



PORT AUTHORITY OF ALLEGHENY COUNTY

CONTRACT DRAWINGS

BUS RAPID TRANSIT (BRT) UPTOWN TO OAKLAND

CONSTRUCTION CONTRACT NO. BRT-001

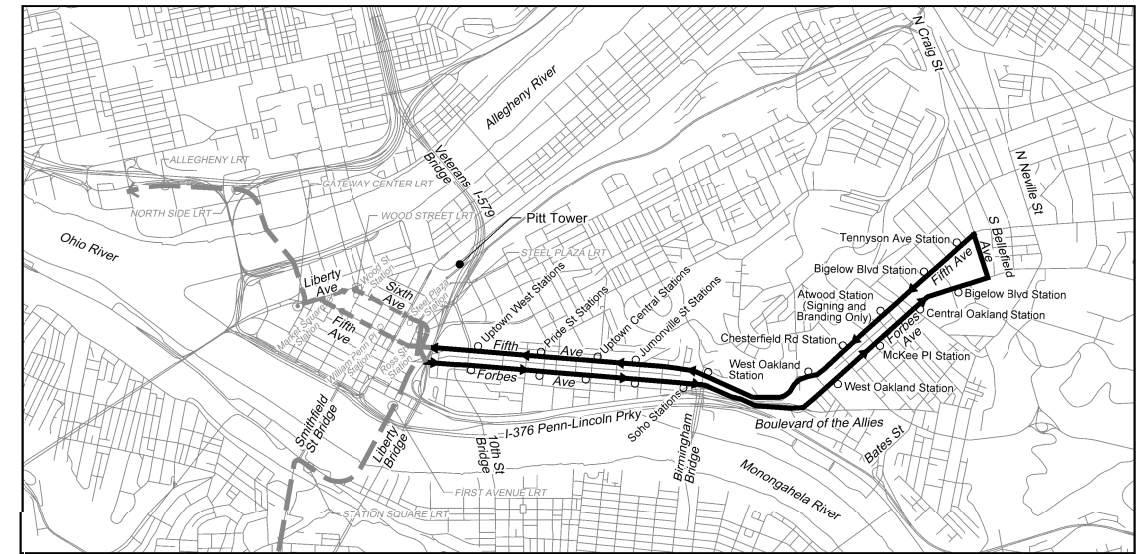
FTA GRANT NO.: PA-2023-002-00

PROJECT NO.: CCA-G-22-23-PAAC-00702
 CCA-21-22-PAAC-00764
 CCA-20-21-PAAC-00715
 CAA-19-20-PAAC-00538

ISSUE DATE: MAY 1, 2024

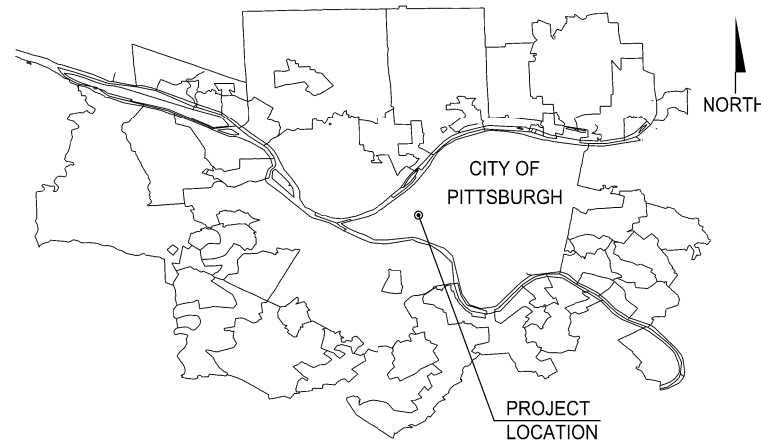
VOLUME 1 OF 3

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| | | EROSION & SEDIMENTATION CONTROL PLANS |



LOCATION MAP
NO SCALE

(NOT FOR
CONSTRUCTION)



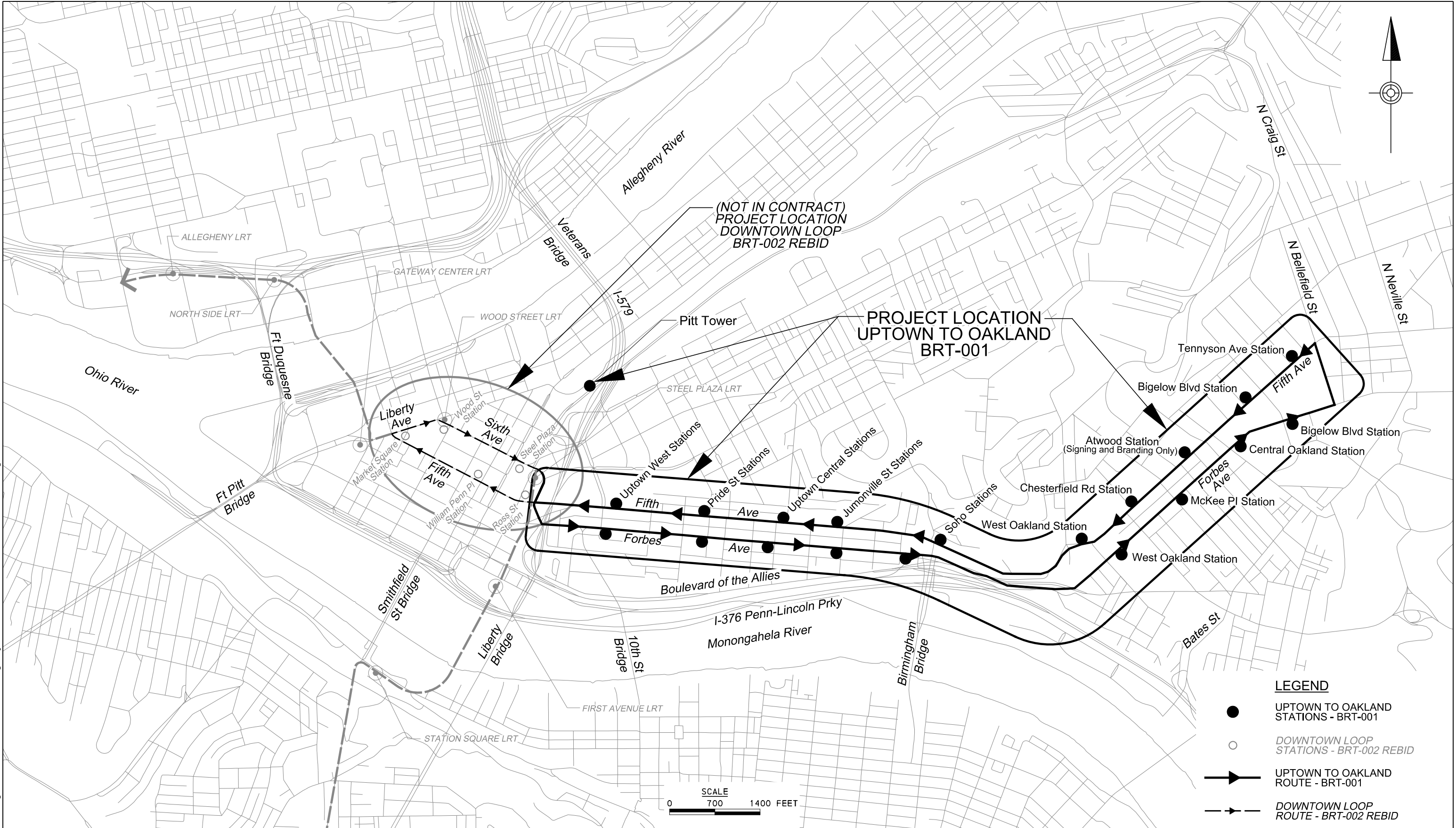
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NO SCALE

THE PREPARATION OF THESE DRAWINGS HAS BEEN FINANCED, IN PART, THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL TRANSIT ADMINISTRATION, UNDER THE URBAN MASS TRANSPORTATION ACT OF 1964, AS AMENDED.

PREPARED BY:
AECOM
 Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

AECOM	
Project Manager _____	Date _____
REGISTERED PROFESSIONAL ENGINEER, PENNSYLVANIA	
PORT AUTHORITY OF ALLEGHENY COUNTY	
Approved _____	Date _____
CHIEF ENGINEER - ENGINEERING AND TECHNICAL SUPPORT	

CITY OF PITTSBURGH	
APPROVAL	DATE
ASSISTANT DIRECTOR OF PLANNING, POLICY AND PERMITTING _____	_____
MUNICIPAL TRAFFIC ENGINEER _____	_____
CHIEF ENGINEER _____	_____
DIRECTOR _____	_____



AECOM
 Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

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DESIGNED	JMS
DRAWN	JMS
CHECKED	MES
IN CHARGE	LAR
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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CONTRACT LOCATION MAP

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CONTRACT NO. BRT-001	
DWG. NO. GN2	SHT. 2

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OPERATOR: "joseph.s.jitoh"
 FILE: PA TH: c:\pwork\img\veacom.ds16.nd\joseph.s.jitoh\veacom.com\d0207700\BRT_01_RD_10D01.dgn

INDEX OF DRAWINGS

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INDEX OF DRAWINGS

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<u>TYPICAL SECTIONS (CONT'D)</u>			<u>SPECIAL DETAILS (CONT'D)</u>			<u>DRAINAGE PROFILES (CONT'D)</u>			<u>INTERSECTION DETAILS (CONT'D)</u>		
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CV48	123	SPECIAL DETAILS CONCRETE AND GRANITE CURB	CV76	151	DRAINAGE DATA DRAINAGE STRUCTURES A29 - A35	ID3	179	INTERSECTION DETAILS FIFTH AVE & CHATHAM SQ/WASHINGTON PL	ID33	209	INTERSECTION DATA FIFTH AVE & BLVD OF THE ALLIES RAMP
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									ID54	230	INTERSECTION DETAILS FIFTH AVE & TENNYSON AVE



Gulf Tower
707 Grant Street
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OPERATOR: "joseph.s.jitoh" FILE: "PA TH: c:\pwworking\aescom\ds16_n\d\joseph.s.jitoh\joseph.s.jitoh\aescom.com\d0207700\BRT_01_RD_10D02.dgn

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ID63	239	INTERSECTION DATA FORBES AVE & ARMSTRONG TUNNEL	CL2	269	CIVIL LAYOUT PLANS FIFTH AVE - STA 438+50 TO STA 443+50	CL32	299	CIVIL LAYOUT PLANS FORBES AVE - STA 159+50 TO STA 164+50	RA19	328	REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 485+50 TO STA 490+50
ID64	240	INTERSECTION DETAILS FORBES AVE & CHATHAM SQ	CL3	270	CIVIL LAYOUT PLANS FIFTH AVE - STA 443+50 TO STA 448+50	CL33	300	CIVIL LAYOUT PLANS FORBES AVE - STA 164+50 TO STA 169+50	RA20	329	REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 490+50 TO STA 496+50
ID65	241	INTERSECTION DATA FORBES AVE & CHATHAM SQ	CL4	271	CIVIL LAYOUT PLANS FIFTH AVE - STA 448+50 TO STA 454+50	CL34	301	CIVIL LAYOUT PLANS FORBES AVE - STA 169+50 TO STA 173+50	RA21	330	REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 496+50 TO STA 502+50
ID66	242	INTERSECTION DETAILS FORBES AVE & STEVENSON ST	CL5	272	CIVIL LAYOUT PLANS FIFTH AVE - STA 454+50 TO STA 458+50	CL35	302	CIVIL LAYOUT PLANS FORBES AVE - STA 173+50 TO STA 177+50	RA22	331	REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 502+50 TO STA 507+50
ID67	243	INTERSECTION DATA FORBES AVE & STEVENSON ST	CL6	273	CIVIL LAYOUT PLANS FIFTH AVE - STA 458+50 TO STA 464+50	CL36	303	CIVIL LAYOUT PLANS FORBES AVE - STA 177+50 TO STA 182+50	RA23	332	REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 507+50 TO STA 513+50
ID68	244	INTERSECTION DETAILS FORBES AVE & PRIDE ST	CL7	274	CIVIL LAYOUT PLANS FIFTH AVE - STA 464+50 TO STA 470+50	CL37	304	CIVIL LAYOUT PLANS FORBES AVE - STA 207+50 TO STA 213+50	RA24	333	REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 513+50 TO STA 517+50
ID69	245	INTERSECTION DATA FORBES AVE & PRIDE ST	CL8	275	CIVIL LAYOUT PLANS FIFTH AVE - STA 470+50 TO STA 475+50	CL38	305	CIVIL LAYOUT PLANS FORBES AVE - STA 213+50 TO STA 217+50	RA25	334	REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 517+50 TO STA 522+50
ID70	246	INTERSECTION DETAILS FORBES AVE & MARION ST	CL9	276	CIVIL LAYOUT PLANS FIFTH AVE - STA 475+50 TO STA 480+50	CL39	306	CIVIL LAYOUT PLANS FORBES AVE - STA 221+50 TO STA 227+00	RA26	335	REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 522+50 TO STA 528+50
ID71	247	INTERSECTION DATA FORBES AVE & MARION ST	CL10	277	CIVIL LAYOUT PLANS FIFTH AVE - STA 480+50 TO STA 485+50	CL40	307	CIVIL LAYOUT PLANS FORBES AVE - STA 232+00 TO STA 237+50	RA27	336	REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 528+50 TO STA 534+50
ID72	248	INTERSECTION DETAILS FORBES AVE & VAN BRAAM ST	CL11	278	CIVIL LAYOUT PLANS FIFTH AVE - STA 485+50 TO STA 490+50	CL41	308	CIVIL LAYOUT PLANS FORBES AVE - STA 242+50 TO STA 247+50	RA28	337	REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 534+50 TO STA 540+50
ID73	249	INTERSECTION DATA FORBES AVE & VAN BRAAM ST	CL12	279	CIVIL LAYOUT PLANS FIFTH AVE - STA 490+50 TO STA 496+50	CL42	309	CIVIL LAYOUT PLANS FORBES AVE - STA 247+50 TO STA 251+50	RA29	338	REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 540+50 TO STA 545+50
ID74	250	INTERSECTION DETAILS FORBES AVE & MILTENBERGER ST	CL13	280	CIVIL LAYOUT PLANS FIFTH AVE - STA 496+50 TO STA 502+50	<u>REMOVAL & ADJUSTMENTS PLANS</u>			RA30	339	REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 545+50 TO STA 551+50
ID75	251	INTERSECTION DATA FORBES AVE & MILTENBERGER ST	CL14	281	CIVIL LAYOUT PLANS FIFTH AVE - STA 502+50 TO STA 507+50	RA1	310	REMOVAL & ADJUSTMENTS PLANS LEGEND	RA31	340	REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 551+50 TO STA 555+50
ID76	252	INTERSECTION DETAILS FORBES AVE & GIST ST	CL15	282	CIVIL LAYOUT PLANS FIFTH AVE - STA 507+50 TO STA 513+50	RA2	311	REMOVAL & ADJUSTMENTS PLANS TABULATIONS	RA32	341	REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 555+50 TO STA 561+50
ID77	253	INTERSECTION DATA FORBES AVE & GIST ST	CL16	283	CIVIL LAYOUT PLANS FIFTH AVE - STA 513+50 TO STA 517+50	RA3	312	REMOVAL & ADJUSTMENTS PLANS TABULATIONS	RA33	342	REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 561+50 TO STA 566+50
ID78	254	INTERSECTION DETAILS FORBES AVE & JUMONVILLE ST	CL17	284	CIVIL LAYOUT PLANS FIFTH AVE - STA 517+50 TO STA 522+50	RA4	313	REMOVAL & ADJUSTMENTS PLANS TABULATIONS	RA34	343	REMOVAL & ADJUSTMENTS PLANS FORBES AVE - STA 122+00 TO STA 128+00
ID79	255	INTERSECTION DATA FORBES AVE & JUMONVILLE ST	CL18	285	CIVIL LAYOUT PLANS FIFTH AVE - STA 522+50 TO STA 528+50	RA5	314	REMOVAL & ADJUSTMENTS PLANS TABULATIONS	RA35	344	REMOVAL & ADJUSTMENTS PLANS FORBES AVE - STA 128+00 TO STA 133+50
ID80	256	INTERSECTION DETAILS FORBES AVE & SENECA ST	CL19	286	CIVIL LAYOUT PLANS FIFTH AVE - STA 528+50 TO STA 534+50	RA6	315	REMOVAL & ADJUSTMENTS PLANS TABULATIONS	RA36	345	REMOVAL & ADJUSTMENTS PLANS FORBES AVE - STA 138+50 TO STA 143+50
ID81	257	INTERSECTION DATA FORBES AVE & SENECA ST	CL20	287	CIVIL LAYOUT PLANS FIFTH AVE - STA 534+50 TO STA 540+50	RA7	316	REMOVAL & ADJUSTMENTS PLANS TABULATIONS	RA37	346	REMOVAL & ADJUSTMENTS PLANS FORBES AVE - STA 143+50 TO STA 149+50
ID82	258	INTERSECTION DETAILS FORBES AVE & MOULTRIE ST	CL21	288	CIVIL LAYOUT PLANS FIFTH AVE - STA 540+50 TO STA 545+50	RA8	317	REMOVAL & ADJUSTMENTS PLANS TABULATIONS	RA38	347	REMOVAL & ADJUSTMENTS PLANS FORBES AVE - STA 149+50 TO STA 154+50
ID83	259	INTERSECTION DATA FORBES AVE & MOULTRIE ST	CL22	289	CIVIL LAYOUT PLANS FIFTH AVE - STA 545+50 TO STA 551+50	RA9	318	REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 433+50 TO STA 438+50	RA39	348	REMOVAL & ADJUSTMENTS PLANS FORBES AVE - STA 154+50 TO STA 159+50
ID84	260	INTERSECTION DETAILS FORBES AVE & BIRMINGHAM BR	CL23	290	CIVIL LAYOUT PLANS FIFTH AVE - STA 551+50 TO STA 555+50	RA10	319	REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 438+50 TO STA 443+50	RA40	349	REMOVAL & ADJUSTMENTS PLANS FORBES AVE - STA 159+50 TO STA 164+50
ID85	261	INTERSECTION DATA FORBES AVE & BIRMINGHAM BR							RA41	350	REMOVAL & ADJUSTMENTS PLANS FORBES AVE - STA 164+50 TO STA 169+50

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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND

INDEX OF DRAWINGS

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INDEX OF DRAWINGS

DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE
REMOVAL & ADJUSTMENTS PLANS (CONT'D)			ROADWAY PLANS (CONT'D)			ROADWAY PROFILES (CONT'D)			ROADWAY PROFILES (CONT'D)		
RA42	351	REMOVAL & ADJUSTMENTS PLANS FORBES AVE - STA 169+50 TO STA 173+50	PP24	380	FIFTH AVE - STA 555+50 TO STA 561+50	PP53	409	FIFTH AVE - STA 464+50 TO STA 470+50	PP84	440	ROADWAY PROFILE VAN BRAAM ST AND MILTENBERGER ST
RA43	352	REMOVAL & ADJUSTMENTS PLANS FORBES AVE - STA 173+50 TO STA 177+50	PP25	381	FIFTH AVE - STA 561+50 TO STA 566+50	PP54	410	FIFTH AVE - STA 470+50 TO STA 475+50	PP85	441	ROADWAY PROFILE GIST ST AND JUMONVILLE ST
RA44	353	REMOVAL & ADJUSTMENTS PLANS FORBES AVE - STA 207+50 TO STA 213+50	PP26	382	FORBES AVE - STA 117+00 TO STA 122+00	PP55	411	FIFTH AVE - STA 475+50 TO STA 480+50	PP86	442	ROADWAY PROFILE SENECA ST AND MOULTRIE ST
RA45	354	REMOVAL & ADJUSTMENTS PLANS FORBES AVE - STA 213+50 TO STA 217+50	PP27	383	FORBES AVE - STA 122+00 TO STA 128+00	PP56	412	FIFTH AVE - STA 480+50 TO STA 485+50	KIRKPATRICK ST PARKING LOT		
RA46	355	REMOVAL & ADJUSTMENTS PLANS FORBES AVE - STA 221+50 TO STA 227+00	PP28	384	FORBES AVE - STA 128+00 TO STA 133+50	PP57	413	FIFTH AVE - STA 485+50 TO STA 490+50			
RA47	356	REMOVAL & ADJUSTMENTS PLANS FORBES AVE - STA 242+50 TO STA 247+50	PP29	385	FORBES AVE - STA 133+50 TO STA 138+50	PP58	414	FIFTH AVE - STA 490+50 TO STA 496+50	KP1	443	KIRKPATRICK ST STORMWATER MANAGEMENT PLAN
ROADWAY PLANS			PP30	386	FORBES AVE - STA 138+50 TO STA 143+50	PP59	415	FIFTH AVE - STA 496+50 TO STA 502+50	KP2	444	KIRKPATRICK ST SPECIAL DETAILS
			PP31	387	FORBES AVE - STA 143+50 TO STA 149+50	PP60	416	FIFTH AVE - STA 502+50 TO STA 507+50	EROSION & SEDIMENTATION CONTROL PLANS		
PP1	357	FIFTH AVE - STA 433+50 TO STA 438+50	PP32	388	FORBES AVE - STA 149+50 TO STA 154+50	PP61	417	FIFTH AVE - STA 507+50 TO STA 513+50			
PP2	358	FIFTH AVE - STA 438+50 TO STA 443+50	PP33	389	FORBES AVE - STA 154+50 TO STA 159+50	PP62	418	DIAMOND ST, CHATHAM SQ, WASHINGTON PL, MAGEE ST	ES1 445 EROSION & SEDIMENTATION CONTROL PLANS GENERAL NOTES		
PP3	359	FIFTH AVE - STA 443+50 TO STA 448+50	PP34	390	FORBES AVE - STA 159+50 TO STA 164+50	PP63	419	LOGAN ST, STEVENSON ST, PRIDE ST			
PP4	360	FIFTH AVE - STA 448+50 TO STA 454+50	PP35	391	FORBES AVE - STA 164+50 TO STA 169+50	PP64	420	PRIDE ST, MARION ST, VINE ST, VAN BRAAM ST	ES2 446 EROSION & SEDIMENTATION CONTROL PLANS GENERAL NOTES		
PP5	361	FIFTH AVE - STA 454+50 TO STA 458+50	PP36	392	FORBES AVE - STA 169+50 TO STA 173+50	PP65	421	MILTENBERGER ST, DINWIDDIE ST, GIST ST,	ES3 447 EROSION & SEDIMENTATION CONTROL PLANS SEQUENCE OF CONSTRUCTION		
PP6	362	FIFTH AVE - STA 458+50 TO STA 464+50	PP37	393	FORBES AVE - STA 173+50 TO STA 177+50	PP66	422	WYANDOTTE ST, SENECA ST, MOULTRIE ST	ES4 448 EROSION & SEDIMENTATION CONTROL PLANS DETAILS		
PP7	363	FIFTH AVE - STA 464+50 TO STA 470+50	PP38	394	FORBES AVE - STA 177+50 TO STA 182+50	PP67	423	KIRKPATRICK ST, BIRMINGHAM BR	ES5 449 EROSION & SEDIMENTATION CONTROL PLANS DETAILS		
PP8	364	FIFTH AVE - STA 470+50 TO STA 475+50	PP39	395	FORBES AVE - STA 207+50 TO STA 213+50	PP68	424	FORBES AVE - STA 119+00 TO STA 122+00	ES6 450 EROSION & SEDIMENTATION CONTROL PLANS DETAILS		
PP9	365	FIFTH AVE - STA 475+50 TO STA 480+50	PP40	396	FORBES AVE - STA 213+50 TO STA 217+50	PP69	425	FORBES AVE - STA 122+00 TO STA 128+00	ES7 451 EROSION & SEDIMENTATION CONTROL PLANS DETAILS		
PP10	366	FIFTH AVE - STA 480+50 TO STA 485+50	PP41	397	FORBES AVE - STA 221+50 TO STA 227+00	PP70	426	FORBES AVE - STA 128+00 TO STA 133+50	ES8 452 EROSION & SEDIMENTATION CONTROL PLANS DETAILS		
PP11	367	FIFTH AVE - STA 485+50 TO STA 490+50	PP42	398	FORBES AVE - STA 227+00 TO STA 232+00	PP71	427	FORBES AVE - STA 133+50 TO STA 138+50	ES9 453 EROSION & SEDIMENTATION CONTROL PLANS DETAILS		
PP12	368	FIFTH AVE - STA 490+50 TO STA 496+50	PP43	399	FORBES AVE - STA 232+00 TO STA 237+50	PP72	428	FORBES AVE - STA 138+50 TO STA 143+50	ES10 454 EROSION & SEDIMENTATION CONTROL PLANS DETAILS		
PP13	369	FIFTH AVE - STA 496+50 TO STA 502+50	PP44	400	FORBES AVE - STA 237+50 TO STA 242+50	PP73	429	FORBES AVE - STA 143+50 TO STA 149+50	ES11 455 EROSION & SEDIMENTATION CONTROL PLANS DETAILS		
PP14	370	FIFTH AVE - STA 502+50 TO STA 507+50	PP45	401	FORBES AVE - STA 242+50 TO STA 247+50	PP74	430	FORBES AVE - STA 149+50 TO STA 154+50	ES12 456 EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 433+50 TO STA 438+50		
PP15	371	FIFTH AVE - STA 507+50 TO STA 513+50	PP46	402	FORBES AVE - STA 247+50 TO STA 251+50	PP75	431	FORBES AVE - STA 154+50 TO STA 159+50	ES13 457 EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 438+50 TO STA 443+50		
PP16	372	FIFTH AVE - STA 513+50 TO STA 517+50	ROADWAY PROFILES			PP76	432	FORBES AVE - STA 159+50 TO STA 164+50	ES14 458 EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 443+50 TO STA 448+50		
PP17	373	FIFTH AVE - STA 517+50 TO STA 522+50				PP47	403	FIFTH AVE - STA 433+50 TO STA 438+50	PP77	433	FORBES AVE - STA 164+50 TO STA 169+50
PP18	374	FIFTH AVE - STA 522+50 TO STA 528+50	PP48	404	FIFTH AVE - STA 438+50 TO STA 443+50	PP78	434	FORBES AVE - STA 169+50 TO STA 173+50	ES16 460 EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 454+50 TO STA 458+50		
PP19	375	FIFTH AVE - STA 528+50 TO STA 534+50	PP49	405	FIFTH AVE - STA 443+50 TO STA 448+50	PP79	435	FORBES AVE - STA 173+50 TO STA 177+50	ES17 461 EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 458+50 TO STA 464+50		
PP20	376	FIFTH AVE - STA 534+50 TO STA 540+50	PP50	406	FIFTH AVE - STA 448+50 TO STA 454+50	PP80	436	FORBES AVE - STA 177+50 TO STA 182+50	ES18 462 EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 464+50 TO STA 470+50		
PP21	377	FIFTH AVE - STA 540+50 TO STA 545+50	PP51	407	FIFTH AVE - STA 454+50 TO STA 458+50	PP81	437	BOYD ST, MCNULTY ST, CHATHAM SQ	ES19 463 EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 470+50 TO STA 475+50		
PP22	378	FIFTH AVE - STA 545+50 TO STA 551+50	PP52	408	FIFTH AVE - STA 458+50 TO STA 464+50	PP82	438	MAGEE ST AND STEVENSON ST	ES20 464 EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 475+50 TO STA 480+50		
PP23	379	FIFTH AVE - STA 551+50 TO STA 555+50									



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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
INDEX OF DRAWINGS



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INDEX OF DRAWINGS

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DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE
<u>EROSION & SEDIMENTATION CONTROL PLANS (CONT'D)</u>			<u>EROSION & SEDIMENTATION CONTROL PLANS (CONT'D)</u>			<u>UTILITY PLANS (CONT'D)</u>			<u>PWSA RELOCATION PLANS (CONT'D)</u>		
ES22	466	EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 485+50 TO STA 490+50	ES53	497	EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 232+00 TO STA 237+50	UT28	526	UTILITY PLANS FORBES AVE - STA 128+00 TO STA 133+50	PWSA5	555	PWSA WATERLINE RELOCATION PLAN FIFTH AVE - STA 444+50
ES23	467	EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 490+50 TO STA 496+50	ES54	498	EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 242+50 TO STA 247+50	UT29	527	UTILITY PLANS FORBES AVE - STA 133+50 TO STA 138+50	PWSA6	556	PWSA WATERLINE RELOCATION PLAN FIFTH AVE & MAGEE ST - STA 448+00
ES24	468	EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 496+50 TO STA 502+50	<u>UTILITY PLANS</u>			UT30	528	UTILITY PLANS FORBES AVE - STA 138+50 TO STA 143+50	PWSA7	557	PWSA WATERLINE RELOCATION PLAN FIFTH AVE & WYANDOTTE ST - STA 478+00
ES25	469	EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 502+50 TO STA 507+50	<u>UTILITY PLANS</u>			UT31	529	UTILITY PLANS FORBES AVE - STA 143+50 TO STA 149+50	PWSA8	558	PWSA WATERLINE RELOCATION PLAN FIFTH AVE - STA 471+00 TO STA 481+00
ES26	470	EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 507+50 TO STA 513+50	UT1	499	GENERAL NOTES & UTILITY LEGENDS	UT32	530	UTILITY PLANS FORBES AVE - STA 149+50 TO STA 154+50	PWSA9	559	PWSA WATERLINE RELOCATION PLAN FIFTH AVE - STA 490+00
ES27	471	EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 513+50 TO STA 517+50	UT2	500	UTILITY PLANS FIFTH AVE - STA 433+50 TO STA 438+50	UT33	531	UTILITY PLANS FORBES AVE - STA 154+50 TO STA 159+50	PWSA10	560	PWSA WATERLINE RELOCATION PLAN FIFTH AVE - STA 495+00
ES28	472	EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 528+50 TO STA 534+50	UT3	501	UTILITY PLANS FIFTH AVE - STA 438+50 TO STA 443+50	UT34	532	UTILITY PLANS FORBES AVE - STA 159+50 TO STA 164+50	PWSA11	561	PWSA WATERLINE RELOCATION PLAN FIFTH AVE - STA 503+00
ES29	473	EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 522+50 TO STA 528+50	UT4	502	UTILITY PLANS FIFTH AVE - STA 443+50 TO STA 448+50	UT35	533	UTILITY PLANS FORBES AVE - STA 164+50 TO STA 169+50	PWSA12	562	PWSA WATERLINE RELOCATION PLAN FIFTH AVE - STA 511+50
ES30	474	EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 528+50 TO STA 534+50	UT5	503	UTILITY PLANS FIFTH AVE - STA 448+50 TO STA 454+50	UT36	534	UTILITY PLANS FORBES AVE - STA 169+50 TO STA 173+50	PWSA13	563	PWSA WATERLINE RELOCATION PLAN FIFTH AVE - STA 517+00
ES31	475	EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 534+50 TO STA 540+50	UT6	504	UTILITY PLANS FIFTH AVE - STA 454+50 TO STA 458+50	UT37	535	UTILITY PLANS FORBES AVE - STA 173+50 TO STA 177+50	PWSA14	564	PWSA WATERLINE RELOCATION PLAN FIFTH AVE - STA 539+00
ES32	476	EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 540+50 TO STA 545+50	UT7	505	UTILITY PLANS FIFTH AVE - STA 458+50 TO STA 464+50	UT38	536	UTILITY PLANS FORBES AVE - STA 177+50 TO STA 182+50	PWSA15	565	PWSA WATERLINE RELOCATION PLAN FIFTH AVE - STA 542+50
ES33	477	EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 545+50 TO STA 551+50	UT8	506	UTILITY PLANS FIFTH AVE - STA 464+50 TO STA 470+50	UT39	537	UTILITY PLANS FORBES AVE - STA 182+50 TO STA 187+50	PWSA16	566	PWSA WATERLINE RELOCATION PLAN FORBES AVE & PRIDE ST - STA 146+00
ES34	478	EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 551+50 TO STA 555+50	UT9	507	UTILITY PLANS FIFTH AVE - STA 470+50 TO STA 475+50	UT40	538	UTILITY PLANS FORBES AVE - STA 187+50 TO STA 193+50	PWSA17	567	PWSA WATERLINE RELOCATION PLAN FORBES AVE - STA 153+00 TO STA 171+00
ES35	479	EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 555+50 TO STA 561+50	UT10	508	UTILITY PLANS FIFTH AVE - STA 475+50 TO STA 480+50	UT41	539	UTILITY PLANS FORBES AVE - STA 193+50 TO STA 198+50	PWSA18	568	PWSA WATERLINE RELOCATION PLAN FORBES AVE - STA 161+00 & 166+50
ES36	480	EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 561+50 TO STA 566+50	UT11	509	UTILITY PLANS FIFTH AVE - STA 480+50 TO STA 485+50	UT42	540	UTILITY PLANS FORBES AVE - STA 198+50 TO STA 202+50	PWSA19	569	PWSA WATERLINE RELOCATION PLAN FORBES AVE - STA 175+00
ES37	481	EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 117+00 TO STA 122+00	UT12	510	UTILITY PLANS FIFTH AVE - STA 485+50 TO STA 490+50	UT43	541	UTILITY PLANS FORBES AVE - STA 202+50 TO STA 207+50	PWSA20	570	PWSA WATERLINE RELOCATION PLAN FORBES AVE & HALKET ST - STA 217+00
ES38	482	EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 128+00 TO STA 133+50	UT13	511	UTILITY PLANS FIFTH AVE - STA 490+50 TO STA 496+50	UT44	542	UTILITY PLANS FORBES AVE - STA 207+50 TO STA 213+50	PWSA21	571	PWSA WATERLINE RELOCATION PLAN FORBES AVE & MCKEE PLACE - STA 224+00
ES39	483	EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 128+00 TO STA 133+50	UT14	512	UTILITY PLANS FIFTH AVE - STA 496+50 TO STA 502+50	UT45	543	UTILITY PLANS FORBES AVE - STA 213+50 TO STA 217+50	<u>LANDSCAPING PLANS</u>		
ES40	484	EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 133+50 TO STA 138+50	UT15	513	UTILITY PLANS FIFTH AVE - STA 502+50 TO STA 507+50	UT46	544	UTILITY PLANS FORBES AVE - STA 217+50 TO STA 221+50	LS1	572	LANDSCAPING PLANS DETAILS
ES41	485	EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 138+50 TO STA 143+50	UT16	514	UTILITY PLANS FIFTH AVE - STA 507+50 TO STA 513+50	UT47	545	UTILITY PLANS FORBES AVE - STA 221+50 TO STA 227+00	LS2	573	LANDSCAPING PLANS DETAILS
ES42	486	EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 143+50 TO STA 149+50	UT17	515	UTILITY PLANS FIFTH AVE - STA 513+50 TO STA 517+50	UT48	546	UTILITY PLANS FORBES AVE - STA 227+00 TO STA 232+00	LS3	574	LANDSCAPING PLANS FIFTH AVE - STA 433+50 TO STA 438+50
ES43	487	EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 149+50 TO STA 154+50	UT18	516	UTILITY PLANS FIFTH AVE - STA 517+50 TO STA 522+50	UT49	547	UTILITY PLANS FORBES AVE - STA 232+00 TO STA 237+50	LS4	575	LANDSCAPING PLANS FIFTH AVE - STA 438+50 TO STA 443+50
ES44	488	EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 154+50 TO STA 159+50	UT19	517	UTILITY PLANS FIFTH AVE - STA 522+50 TO STA 528+50	UT50	548	UTILITY PLANS FORBES AVE - STA 237+50 TO STA 242+50	LS5	576	LANDSCAPING PLANS FIFTH AVE - STA 443+50 TO STA 448+50
ES45	489	EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 159+50 TO STA 164+50	UT20	518	UTILITY PLANS FIFTH AVE - STA 528+50 TO STA 534+50	UT51	549	UTILITY PLANS FORBES AVE - STA 242+50 TO STA 247+50	LS6	577	LANDSCAPING PLANS FIFTH AVE - STA 448+50 TO STA 454+50
ES46	490	EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 164+50 TO STA 169+50	UT21	519	UTILITY PLANS FIFTH AVE - STA 534+50 TO STA 540+50	UT52	550	UTILITY PLANS FORBES AVE - STA 247+50 TO STA 251+50	LS7	578	LANDSCAPING PLANS FIFTH AVE - STA 454+50 TO STA 458+50
ES47	491	EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 169+50 TO STA 173+50	UT22	520	UTILITY PLANS FIFTH AVE - STA 540+50 TO STA 545+50	<u>PWSA RELOCATION PLANS</u>			LS8	579	LANDSCAPING PLANS FIFTH AVE - STA 458+50 TO STA 464+50
ES48	492	EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 173+50 TO STA 177+50	UT23	521	UTILITY PLANS FIFTH AVE - STA 545+50 TO STA 551+50	PWSA1	551	PWSA WATERLINE RELOCATION PLAN PWSA DETAILS	LS9	580	LANDSCAPING PLANS FIFTH AVE - STA 464+50 TO STA 470+50
ES49	493	EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 177+50 TO STA 182+50	UT24	522	UTILITY PLANS FIFTH AVE - STA 551+50 TO STA 555+50	PWSA2	552	PWSA WATERLINE RELOCATION PLAN PWSA DETAILS	LS10	581	LANDSCAPING PLANS FIFTH AVE - STA 470+50 TO STA 475+50
ES50	494	EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 207+50 TO STA 213+50	UT25	523	UTILITY PLANS FIFTH AVE - STA 555+50 TO STA 561+50	PWSA3	553	PWSA WATERLINE RELOCATION PLAN PWSA DETAILS	LS11	582	LANDSCAPING PLANS FIFTH AVE - STA 475+50 TO STA 480+50
ES51	495	EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 213+50 TO STA 217+50	UT26	524	UTILITY PLANS FIFTH AVE - STA 561+50 TO STA 566+50	PWSA4	554	PWSA WATERLINE RELOCATION PLAN FIFTH AVE - STA 441+00	LS12	583	LANDSCAPING PLANS FIFTH AVE - STA 480+50 TO STA 485+50
ES52	496	EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 221+50 TO STA 227+00	UT27	525	UTILITY PLANS FORBES AVE - STA 122+00 TO STA 128+00						



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(NOT FOR CONSTRUCTION)

DESIGNED	JMS
DRAWN	JMS
CHECKED	MES
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND

INDEX OF DRAWINGS

Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. GN7	SHT. 7

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FILE: PA\T\c:\pwork\img\vecom\ds16_n\d\joseph.s.jitoh\com\d0207700\BRT_01_RD_10D06.dgn

INDEX OF DRAWINGS

DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE
<u>LANDSCAPING PLANS (CONT'D)</u>			<u>SIGNING & PAVEMENT MARKING PLANS (CONT'D)</u>			<u>SIGNING & PAVEMENT MARKING PLANS (CONT'D)</u>			<u>SIGNING & PAVEMENT MARKING PLANS (CONT'D)</u>		
LS13	584	LANDSCAPING PLANS FIFTH AVE - STA 485+50 TO STA 490+50	SN8	611	SIGNING & PAVEMENT MARKING PLANS TABULATION SHEET	SN39	642	SIGNING & PAVEMENT MARKING PLANS SIXTH AVE - STA 624+50 TO STA 628+50	SN70	673	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 138+50 TO STA 143+50
LS14	585	LANDSCAPING PLANS FIFTH AVE - STA 490+50 TO STA 495+50	SN9	612	SIGNING & PAVEMENT MARKING PLANS TABULATION SHEET	SN40	643	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 428+50 TO STA 433+50	SN71	674	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 143+50 TO STA 149+50
LS15	586	LANDSCAPING PLANS FIFTH AVE - STA 495+50 TO STA 502+50	SN10	613	SIGNING & PAVEMENT MARKING PLANS TABULATION SHEET	SN41	644	SIGNING & PAVEMENT MARKING PLANS SIXTH AVE - STA 631+50 TO STA 633+24	SN72	675	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 149+50 TO STA 154+50
LS16	587	LANDSCAPING PLANS FIFTH AVE - STA 502+50 TO STA 507+50	SN11	614	SIGNING & PAVEMENT MARKING PLANS TABULATION SHEET	SN42	645	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 433+50 TO STA 438+50	SN73	676	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 154+50 TO STA 159+50
LS17	588	LANDSCAPING PLANS FIFTH AVE - STA 507+50 TO STA 513+50	SN12	615	SIGNING & PAVEMENT MARKING PLANS TABULATION SHEET	SN43	646	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 438+50 TO STA 443+50	SN74	677	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 159+50 TO STA 164+50
LS18	589	LANDSCAPING PLANS FIFTH AVE - STA 513+50 TO STA 517+50	SN13	616	SIGNING & PAVEMENT MARKING PLANS TABULATION SHEET	SN44	647	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 443+50 TO STA 448+50	SN75	678	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 164+50 TO STA 169+50
LS19	590	LANDSCAPING PLANS FIFTH AVE - STA 517+50 TO STA 522+50	SN14	617	SIGNING & PAVEMENT MARKING PLANS TABULATION SHEET	SN45	648	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 448+50 TO STA 454+50	SN76	679	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 169+50 TO STA 173+50
LS20	591	LANDSCAPING PLANS FIFTH AVE - STA 522+50 TO STA 527+50	SN15	618	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF ROADWAY SIGNS	SN46	649	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 454+50 TO STA 458+50	SN77	680	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 173+50 TO STA 177+50
LS21	592	LANDSCAPING PLANS FIFTH AVE - STA 527+50 TO STA 532+50	SN16	619	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF ROADWAY SIGNS	SN47	650	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 458+50 TO STA 464+50	SN78	681	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 177+50 TO STA 182+50
LS22	593	LANDSCAPING PLANS FIFTH AVE - STA 532+50 TO STA 537+50	SN17	620	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF ROADWAY SIGNS	SN48	651	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 464+50 TO STA 470+50	SN79	682	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 182+50 TO STA 187+50
LS23	594	LANDSCAPING PLANS FORBES AVE - STA 138+50 TO STA 143+50	SN18	621	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF ROADWAY SIGNS	SN49	652	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 470+50 TO STA 475+50	SN80	683	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 202+50 TO STA 207+50
LS24	595	LANDSCAPING PLANS FORBES AVE - STA 143+50 TO STA 149+50	SN19	622	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF ROADWAY SIGNS	SN50	653	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 475+50 TO STA 480+50	SN81	684	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 207+50 TO STA 213+50
LS25	596	LANDSCAPING PLANS FORBES AVE - STA 149+50 TO STA 154+50	SN20	623	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF ROADWAY SIGNS	SN51	654	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 480+50 TO STA 485+50	SN82	685	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 213+50 TO STA 217+50
LS26	597	LANDSCAPING PLANS FORBES AVE - STA 154+50 TO STA 159+50	SN21	624	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF ROADWAY SIGNS	SN52	655	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 485+50 TO STA 490+50	SN83	686	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 217+50 TO STA 221+50
LS27	598	LANDSCAPING PLANS FORBES AVE - STA 159+50 TO STA 164+50	SN22	625	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF ROADWAY SIGNS	SN53	656	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 490+50 TO STA 496+50	SN84	687	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 221+50 TO STA 227+00
LS28	599	LANDSCAPING PLANS FORBES AVE - STA 164+50 TO STA 169+50	SN23	626	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF ROADWAY SIGNS	SN54	657	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 496+50 TO STA 502+50	SN85	688	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 227+00 TO STA 232+00
LS29	600	LANDSCAPING PLANS FORBES AVE - STA 169+50 TO STA 174+50	SN24	627	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF ROADWAY SIGNS	SN55	658	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 502+50 TO STA 507+50	SN86	689	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 232+00 TO STA 237+50
LS30	601	LANDSCAPING PLANS FORBES AVE - STA 174+50 TO STA 178+50	SN25	628	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF ROADWAY SIGNS	SN56	659	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 507+50 TO STA 513+50	SN87	690	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 237+50 TO STA 242+50
LS31	602	LANDSCAPING PLANS FORBES AVE - STA 207+50 TO STA 213+50	SN26	629	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF ROADWAY SIGNS	SN57	660	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 513+50 TO STA 517+50	SN88	691	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 242+50 TO STA 247+50
LS32	603	LANDSCAPING PLANS FORBES AVE - STA 213+50 TO STA 217+50	SN27	630	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF ROADWAY SIGNS	SN58	661	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 517+50 TO STA 522+50	SN89	692	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 247+50 TO STA 251+50
			SN28	631	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF ROADWAY SIGNS	SN59	662	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 522+50 TO STA 528+50	SN90	693	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 251+50 TO STA 256+50
			SN29	632	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF ROADWAY SIGNS	SN60	663	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 528+50 TO STA 534+50	SN91	694	SIGNING & PAVEMENT MARKING PLANS BELLEFIELD AVE
			SN30	633	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF ROADWAY SIGNS	SN61	664	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 534+50 TO STA 540+50			
			SN31	634	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF ROADWAY SIGNS	SN62	665	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 540+50 TO STA 545+50			
			SN32	635	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF ROADWAY SIGNS	SN63	666	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 545+50 TO STA 551+50			
SN1	604	SIGNING & PAVEMENT MARKING PLANS GENERAL NOTES	SN33	636	SIGNING & PAVEMENT MARKING PLANS DETAILS	SN64	667	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 551+50 TO STA 555+50	LP1	695	LIGHTING PLANS GENERAL NOTES
SN2	605	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF QUANTITIES	SN34	637	SIGNING & PAVEMENT MARKING PLANS DETAILS	SN65	668	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 555+50 TO STA 561+50	LP2	696	LIGHTING PLANS TABULATION SHEET
SN3	606	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF QUANTITIES	SN35	638	SIGNING & PAVEMENT MARKING PLANS DETAILS	SN66	669	SIGNING & PAVEMENT MARKING PLANS FIFTH AVE - STA 561+50 TO STA 566+50	LP3	697	LIGHTING PLANS DETAIL SHEET
SN4	607	SIGNING & PAVEMENT MARKING PLANS SUMMARY OF QUANTITIES	SN36	639	SIGNING & PAVEMENT MARKING PLANS DETAILS	SN67	670	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 122+00 TO STA 128+00	LP4	698	LIGHTING PLANS DETAIL SHEET
SN5	608	SIGNING & PAVEMENT MARKING PLANS TABULATION SHEET	SN37	640	SIGNING & PAVEMENT MARKING PLANS DETAILS	SN68	671	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 128+00 TO STA 133+50	LP5	699	LIGHTING PLANS DETAIL SHEET
SN6	609	SIGNING & PAVEMENT MARKING PLANS TABULATION SHEET	SN38	641	SIGNING & PAVEMENT MARKING PLANS DETAILS	SN69	672	SIGNING & PAVEMENT MARKING PLANS FORBES AVE - STA 133+50 TO STA 138+50	LP6	700	LIGHTING PLANS DETAIL SHEET
SN7	610	SIGNING & PAVEMENT MARKING PLANS TABULATION SHEET									

SIGNING & PAVEMENT MARKING PLANS

LIGHTING PLANS



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(NOT FOR CONSTRUCTION)

DESIGNED	JMS
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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND

INDEX OF DRAWINGS

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CONTRACT NO. BRT-001

DWG. NO.	GN8	SHT.	8
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INDEX OF DRAWINGS

DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE
<u>LIGHTING PLANS (CONT'D)</u>			<u>LIGHTING PLANS (CONT'D)</u>			<u>ARCHITECTURAL PLANS (CONT'D)</u>			<u>STRUCTURAL PLANS (CONT'D)</u>		
LP7	701	FIFTH AVE - STA 433+50 TO STA 438+50	LP38	732	FORBES AVE - STA 159+50 TO STA 164+50	AR032	761	22 SOHO STATION-OVERALL SITE PLAN	ST6	790	STRUCTURAL PLANS BUS STATION 60' - PART 1
LP8	702	FIFTH AVE - STA 438+50 TO STA 443+50	LP39	733	FORBES AVE - STA 164+50 TO STA 169+50	AR033	762	23 WEST OAKLAND STATION-OVERALL SITE PLAN	ST7	791	STRUCTURAL PLANS BUS STATION 60' - PART 2
LP9	703	FIFTH AVE - STA 443+50 TO STA 448+50	LP40	734	FORBES AVE - STA 169+50 TO STA 173+50	AR034	763	24 MCKEE PL STATION-OVERALL SITE PLAN	ST8	792	STRUCTURAL PLANS BUS STATION 60' - PART 3
LP10	704	FIFTH AVE - STA 448+50 TO STA 454+50	LP41	735	FORBES AVE - STA 173+50 TO STA 177+50	AR035	764	25 CENTRAL OAKLAND STATION-OVERALL SITE PLAN-PART 1	ST9	793	STRUCTURAL PLANS BUS STATION TABLES
LP11	705	FIFTH AVE - STA 454+50 TO STA 458+50	LP42	736	FORBES AVE - STA 177+50 TO STA 182+50	AR036	765	25 CENTRAL OAKLAND STATION-OVERALL SITE PLAN-PART 2	ST10	794	STRUCTURAL PLANS DRAINAGE DETAILS - PART 1
LP12	706	FIFTH AVE - STA 458+50 TO STA 464+50	LP43	737	FORBES AVE - STA 207+50 TO STA 213+50	AR037	766	26 BIGELOW BLVD STATION-OVERALL SITE PLAN-PART 1	ST11	795	STRUCTURAL PLANS DRAINAGE DETAILS - PART 2
LP13	707	FIFTH AVE - STA 464+50 TO STA 470+50	LP44	738	FORBES AVE - STA 213+50 TO STA 217+50	AR038	767	26 BIGELOW BLVD STATION-OVERALL SITE PLAN-PART 2	ST12	796	STRUCTURAL PLANS MISC DETAILS
LP14	708	FIFTH AVE - STA 470+50 TO STA 475+50	LP45	739	FORBES AVE - STA 221+50 TO STA 227+00	AR095	768	ARCHITECTURAL PLANS WINDSCREEN TYPES	ST13	797	STRUCTURAL PLANS VAULT HATCH CLOSURE SLAB
LP15	709	FIFTH AVE - STA 475+50 TO STA 480+50	LP46	740	FORBES AVE - STA 232+00 TO STA 237+50	AR096	769	ARCHITECTURAL PLANS WINDSCREEN SCHEDULES	ST14	798	STRUCTURAL PLANS VAULT SLAB PARTIAL REMOVAL
LP16	710	FIFTH AVE - STA 480+50 TO STA 485+50	LP47	741	FORBES AVE - STA 242+50 TO STA 247+50	AR102	770	30' SHELTER ENLARGED PLAN, ROOF PLAN, AND RCP	ST15	799	STRUCTURAL PLANS SLAB MODIFICATIONS - OVERLAY
LP17	711	FIFTH AVE - STA 485+50 TO STA 490+50	LP48	742	FORBES AVE - STA 247+50 TO STA 251+50	AR103	771	ARCHITECTURAL PLANS 30' SHELTER ELEVATIONS	ST16	800	STRUCTURAL PLANS SLAB MODIFICATIONS - SIDEWALK SLAB
LP18	712	FIFTH AVE - STA 490+50 TO STA 496+50	LP49	743	FORBES AVE - STA 251+50 TO STA 256+50	AR104	772	ARCHITECTURAL PLANS 60' SHELTER ENLARGED PLAN, ROOF PLAN, AND RCP	ST17	801	STRUCTURAL PLANS VAULT BACKFILL - PART 1
LP19	713	FIFTH AVE - STA 496+50 TO STA 502+50	<u>ARCHITECTURAL PLANS</u>			AR105	773	ARCHITECTURAL PLANS 60' SHELTER ELEVATIONS	ST18	802	STRUCTURAL PLANS VAULT BACKFILL - PART 2
LP20	714	FIFTH AVE - STA 502+50 TO STA 507+50	AR001	744	ARCHITECTURAL PLANS ABBREVIATIONS AND SYMBOLS	AR106	774	ARCHITECTURAL PLANS-30' GULLWING SHELTER ENLARGED PLAN, ROOF PLAN AND RCP	ST19	803	STRUCTURAL PLANS VAULT BACKFILL - PART 3
LP21	715	FIFTH AVE - STA 507+50 TO STA 513+50	AR002	745	ARCHITECTURAL PLANS-GENERAL NOTES, APPLICABLE CODES AND STANDARDS, AND CODE SUMMARY	AR107	775	ARCHITECTURAL PLANS 30' GULLWING SHELTER ELEVATIONS	ST20	804	STRUCTURAL PLANS VAULT HATCH REMOVAL
LP22	716	FIFTH AVE - STA 513+50 TO STA 517+50	AR003	746	ARCHITECTURAL PLANS SHELTER SIZE AND AMENITIES SCHEDULE	AR200	776	ARCHITECTURAL PLANS TYPICAL SHELTER SECTIONS	ST21	805	STRUCTURAL PLANS VAULT HATCH REPLACEMENT - PART 1
LP23	717	FIFTH AVE - STA 517+50 TO STA 522+50	AR016	747	6 UPTOWN WEST STATION-OVERALL SITE PLAN	AR201	777	ARCHITECTURAL PLANS TYPICAL SHELTER SECTIONS	ST22	806	STRUCTURAL PLANS VAULT HATCH REPLACEMENT - PART 2
LP24	718	FIFTH AVE - STA 522+50 TO STA 528+50	AR017	748	7 PRIDE ST STATION-OVERALL SITE PLAN	AR300	778	ARCHITECTURAL PLANS SHELTER CANOPY DETAILS	ST23	807	STRUCTURAL PLANS VAULT SLAB REMOVAL - FORBES AVE STA 163+90.86
LP25	719	FIFTH AVE - STA 528+50 TO STA 534+50	AR018	749	8 UPTOWN CENTRAL STATION-OVERALL SITE PLAN	AR310	779	ARCHITECTURAL PLANS SHELTER WINDSCREEN DETAILS	ST24	808	STRUCTURAL PLANS VAULT SLAB MODIFICATION - FORBES AVE STA 163+90.86
LP26	720	FIFTH AVE - STA 534+50 TO STA 540+50	AR019	750	9 JUMONVILLE ST STATION-OVERALL SITE PLAN	AR311	780	ARCHITECTURAL PLANS SHELTER WINDSCREEN DETAILS	ST25	809	STRUCTURAL PLANS VAULT DETAILS - FORBES AVE STA 163+90.86
LP27	721	FIFTH AVE - STA 540+50 TO STA 545+50	AR020	751	10 SOHO STATION-OVERALL SITE PLAN	AR320	781	ARCHITECTURAL PLANS SHELTER SERVICE CARRIER DETAILS	ST26	810	STRUCTURAL PLANS VAULT SLAB REMOVAL - FIFTH AVE STA 437+12.03
LP28	722	FIFTH AVE - STA 545+50 TO STA 551+50	AR021	752	11 WEST OAKLAND STATION-OVERALL SITE PLAN	AR330	782	ARCHITECTURAL PLANS SIGNAGE & WAYFINDING	ST27	811	STRUCTURAL PLANS VAULT SLAB REPLACEMENT - FIFTH AVE STA 437+12.03
LP29	723	FIFTH AVE - STA 551+50 TO STA 555+50	AR022	753	12 CHESTERFIELD RD STATION-OVERALL SITE PLAN	AR331	783	ARCHITECTURAL PLANS SHELTER SIGNAGE DETAILS	ST28	812	STRUCTURAL PLANS VAULT SLAB REMOVAL - FIFTH AVE STA 442+54.33
LP30	724	FIFTH AVE - STA 555+50 TO STA 561+50	AR023	754	13 ATWOOD STATION-OVERALL SITE PLAN	AR340	784	ARCHITECTURAL PLANS MISC SHELTER & WINDSCREEN DETAILS	ST29	813	STRUCTURAL PLANS VAULT SLAB REPLACEMENT - FIFTH AVE STA 442+54.33
LP31	725	FIFTH AVE - STA 561+50 TO STA 566+50	AR024	755	14 BIGELOW BLVD STATION-OVERALL SITE PLAN	<u>STRUCTURAL PLANS</u>			ST30	814	STRUCTURAL PLANS VAULT SLAB REMOVAL - FIFTH AVE STA 469+59.93
LP32	726	FORBES AVE - STA 128+00 TO STA 133+50	AR025	756	15 TENNYSON AVE STATION-OVERALL SITE PLAN	ST1	785	STRUCTURAL PLANS GENERAL NOTES	ST31	815	STRUCTURAL PLANS VAULT SLAB REPLACEMENT - FIFTH AVE STA 469+59.93
LP33	727	FORBES AVE - STA 133+50 TO STA 138+50	AR028	757	18 UPTOWN WEST STATION-OVERALL SITE PLAN	ST2	786	STRUCTURAL PLANS QUANTITIES	ST32	816	STRUCTURAL PLANS VAULT SLAB REPLACEMENT DETAILS
LP34	728	FORBES AVE - STA 138+50 TO STA 143+50	AR029	758	19 PRIDE ST STATION-OVERALL SITE PLAN	ST3	787	STRUCTURAL PLANS TYPICAL SLAB SECTIONS	ST33	817	STRUCTURAL PLANS DLC VAULT SLAB REMOVAL - FIFTH AVE STA 438+14
LP35	729	FORBES AVE - STA 143+50 TO STA 149+50	AR030	759	20 UPTOWN CENTRAL STATION-OVERALL SITE PLAN	ST4	788	STRUCTURAL PLANS BUS STATION 30' - PART 1	ST34	818	STRUCTURAL PLANS DLC VAULT SLAB REPLACEMENT 1 - FIFTH AVE STA 438+14
LP36	730	FORBES AVE - STA 149+50 TO STA 154+50	AR031	760	21 JUMONVILLE ST STATION-OVERALL SITE PLAN	ST5	789	STRUCTURAL PLANS BUS STATION 30' - PART 2	ST35	819	STRUCTURAL PLANS DLC VAULT SLAB REPLACEMENT 2 - FIFTH AVE STA 438+14
LP37	731	FORBES AVE - STA 154+50 TO STA 159+50							ST36	820	STRUCTURAL PLANS DLC VAULT SLAB REMOVAL - FIFTH AVE STA 441+69



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707 Grant Street
5th Floor
Pittsburgh, PA 15219

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THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE FEDERAL TRANSIT ADMINISTRATION, U.S. DEPARTMENT OF TRANSPORTATION, UNDER THE URBAN MASS TRANSPORTATION ACT OF 1984, AS AMENDED, FOR THE PORT AUTHORITY OF ALLEGHENY COUNTY, PENNSYLVANIA.

(NOT FOR CONSTRUCTION)

DESIGNED	JMS
DRAWN	JMS
CHECKED	MES
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
INDEX OF DRAWINGS



CONTRACT NO. BRT-001

DWG. NO. GN9	SHT. 9
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INDEX OF DRAWINGS

DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE
<u>STRUCTURAL PLANS (CONT'D)</u>			<u>STATION TAP IN PLANS (CONT'D)</u>			<u>CONTROL SYSTEMS PLANS (CONT'D)</u>			<u>CONTROL SYSTEMS PLANS (CONT'D)</u>		
ST37	821	STRUCTURAL PLANS DLC VAULT SLAB REPLACEMENT 1 - FIFTH AVE STA 441+69	TI4	847	STATION TAP IN PLANS JUMONVILLE STATION	CS24	876	CONTROL SYSTEMS PLANS GENERAL NOTES	CS55	907	CONTROL SYSTEMS PLANS FORBES AVE - STA 169+50 TO STA 173+50
ST38	822	STRUCTURAL PLANS DLC VAULT SLAB REPLACEMENT 2 - FIFTH AVE STA 441+69	TI5	848	STATION TAP IN PLANS SOHO STATION	CS25	877	CONTROL SYSTEMS PLANS SPECIAL DETAILS	CS56	908	CONTROL SYSTEMS PLANS FORBES AVE - STA 173+50 TO STA 177+50
ST39	823	STRUCTURAL PLANS DLC VAULT SLAB REMOVAL - FIFTH AVE STA 443+11	TI6	849	STATION TAP IN PLANS WEST OAKLAND STATION	CS26	878	CONTROL SYSTEMS PLANS TABULATION SHEET	CS57	909	CONTROL SYSTEMS PLANS FORBES AVE - STA 177+50 TO STA 182+50
ST40	824	STRUCTURAL PLANS DLC VAULT SLAB REPLACEMENT 1 - FIFTH AVE STA 443+11	TI7	850	STATION TAP IN PLANS CHESTERFIELD STATION	CS27	879	CONTROL SYSTEMS PLANS TABULATION SHEET	CS58	910	CONTROL SYSTEMS PLANS FORBES AVE - STA 207+50 TO STA 213+50
ST41	825	STRUCTURAL PLANS DLC VAULT SLAB REPLACEMENT 2 - FIFTH AVE STA 443+11	TI8	851	STATION TAP IN PLANS BIGELOW STATION	CS28	880	CONTROL SYSTEMS PLANS FIFTH AVE - STA 438+50 TO STA 443+50	CS59	911	CONTROL SYSTEMS PLANS FORBES AVE - STA 221+50 TO STA 227+00
ST42	826	STRUCTURAL PLANS VAULT SLAB MODIFICATION - MISC DETAILS	TI9	852	STATION TAP IN PLANS TENNYSON STATION	CS29	881	CONTROL SYSTEMS PLANS FIFTH AVE - STA 443+50 TO STA 448+50	CS60	912	CONTROL SYSTEMS PLANS FORBES AVE - STA 232+00 TO STA 237+50
ST43	827	STRUCTURAL PLANS KIRKPATRICK WALL - GENERAL PLAN	<u>CONTROL SYSTEMS PLANS</u>			CS30	882	CONTROL SYSTEMS PLANS FIFTH AVE - STA 448+50 TO STA 454+50	CS61	913	CONTROL SYSTEMS PLANS FORBES AVE - STA 242+50 TO STA 247+50
ST44	828	STRUCTURAL PLANS KIRKPATRICK WALL - TYPICAL SECTION	CS1	853	CONTROL SYSTEMS PLANS SYSTEMS GENERAL NOTES	CS31	883	CONTROL SYSTEMS PLANS FIFTH AVE - STA 454+50 TO STA 458+50	<u>MAINTENANCE & PROTECTION OF TRAFFIC PLANS</u>		
ST45	829	STRUCTURAL PLANS KIRKPATRICK WALL - ELEVATION 1	CS2	854	CONTROL SYSTEMS PLANS SYSTEMS SHELTER COMMUNICATIONS OVERVIEW	CS32	884	CONTROL SYSTEMS PLANS FIFTH AVE - STA 458+50 TO STA 464+50	MT1	914	MAINTENANCE & PROTECTION OF TRAFFIC PLANS GENERAL NOTES
ST46	830	STRUCTURAL PLANS KIRKPATRICK WALL - ELEVATION 2	CS3	855	CONTROL SYSTEMS PLANS SYSTEMS BRT BLOCK DIAGRAM	CS33	885	CONTROL SYSTEMS PLANS FIFTH AVE - STA 464+50 TO STA 470+50	MT2	915	MAINTENANCE & PROTECTION OF TRAFFIC PLANS GENERAL NOTES
ST47	831	STRUCTURAL PLANS KIRKPATRICK WALL - FOOTING PLAN	CS4	856	CONTROL SYSTEMS PLANS PITT TOWER BLOCK DIAGRAM	CS34	886	CONTROL SYSTEMS PLANS FIFTH AVE - STA 470+50 TO STA 475+50	MT3	916	MAINTENANCE & PROTECTION OF TRAFFIC PLANS GENERAL NOTES
ST48	832	STRUCTURAL PLANS KIRKPATRICK WALL - WALL DETAILS 1	CS5	857	CONTROL SYSTEMS PLANS PITT TOWER PLAN	CS35	887	CONTROL SYSTEMS PLANS FIFTH AVE - STA 475+50 TO STA 480+50	MT4	917	MAINTENANCE & PROTECTION OF TRAFFIC PLANS INDEX SHEET
ST49	833	STRUCTURAL PLANS OFFSET POLE FOUNDATIONS - PART 1	CS6	858	CONTROL SYSTEMS PLANS PITT TOWER EQUIPMENT RACK ELEVATION	CS36	888	CONTROL SYSTEMS PLANS FIFTH AVE - STA 480+50 TO STA 485+50	MT5	918	MAINTENANCE & PROTECTION OF TRAFFIC PLANS INDEX SHEET
ST50	834	STRUCTURAL PLANS OFFSET POLE FOUNDATIONS - PART 2	CS7	859	CONTROL SYSTEMS PLANS TICKET VENDING MACHINE DETAILS SHEET 01	CS37	889	CONTROL SYSTEMS PLANS FIFTH AVE - STA 485+50 TO STA 490+50	MT6	919	MAINTENANCE & PROTECTION OF TRAFFIC PLANS INDEX SHEET
<u>STATION ELECTRICAL PLANS</u>			CS8	860	CONTROL SYSTEMS PLANS TICKET VENDING MACHINE DETAILS SHEET 02	CS38	890	CONTROL SYSTEMS PLANS FIFTH AVE - STA 490+50 TO STA 496+50	MT7	920	MAINTENANCE & PROTECTION OF TRAFFIC PLANS INDEX SHEET
EL1	835	STATION ELECTRICAL PLANS STATION TRACKER - CONSTRUCTION DATA	CS9	861	CONTROL SYSTEMS PLANS TICKET VALIDATOR DETAILS	CS39	891	CONTROL SYSTEMS PLANS FIFTH AVE - STA 496+50 TO STA 502+50	MT8	921	MAINTENANCE & PROTECTION OF TRAFFIC PLANS TABULATION SHEET
EL2	836	STATION ELECTRICAL PLANS GENERAL ELECTRICAL NOTES	CS10	862	CONTROL SYSTEMS PLANS SYSTEM REAL TIME SIGN DETAILS SHEET 01	CS40	892	CONTROL SYSTEMS PLANS FIFTH AVE - STA 502+50 TO STA 507+50	MT9	922	MAINTENANCE & PROTECTION OF TRAFFIC PLANS TABULATION SHEET
EL3	837	STATION ELECTRICAL PLANS TYPICAL STATION PLAN & ELEVATION - 30 & 60 FT	CS11	863	CONTROL SYSTEMS PLANS SYSTEM REAL TIME SIGN DETAILS SHEET 02	CS41	893	CONTROL SYSTEMS PLANS FIFTH AVE - STA 507+50 TO STA 513+50	MT10	923	MAINTENANCE & PROTECTION OF TRAFFIC PLANS TABULATION SHEET
EL4	838	STATION ELECTRICAL PLANS TYPICAL STATION PLAN & ELEVATION - 30 & 60 FT	CS12	864	CONTROL SYSTEMS PLANS SYSTEM REAL TIME SIGN DETAILS SHEET 03	CS42	894	CONTROL SYSTEMS PLANS FIFTH AVE - STA 513+50 TO STA 519+50	MT11	924	MAINTENANCE & PROTECTION OF TRAFFIC PLANS TABULATION SHEET
EL5	839	STATION ELECTRICAL PLANS MISCELLANEOUS ELECTRICAL DETAILS	CS13	865	CONTROL SYSTEMS PLANS EMERGENCY CALL STATION DETAILS	CS43	895	CONTROL SYSTEMS PLANS FIFTH AVE - STA 522+50 TO STA 528+50	MT12	925	MAINTENANCE & PROTECTION OF TRAFFIC PLANS TABULATION SHEET
EL6	840	STATION ELECTRICAL PLANS PANEL SCHEDULES - STATIONS 6 THRU 11	CS14	866	CONTROL SYSTEMS PLANS CCTV MOUNTING DETAILS	CS44	896	CONTROL SYSTEMS PLANS FIFTH AVE - STA 528+50 TO STA 534+50	MT13	926	MAINTENANCE & PROTECTION OF TRAFFIC PLANS TABULATION SHEET
EL7	841	STATION ELECTRICAL PLANS PANEL SCHEDULES - STATIONS 12 THRU 15	CS15	867	CONTROL SYSTEMS PLANS SYSTEM CABINET DETAILS	CS45	897	CONTROL SYSTEMS PLANS FIFTH AVE - STA 534+50 TO STA 540+50	MT14	927	MAINTENANCE & PROTECTION OF TRAFFIC PLANS TABULATION SHEET
EL8	842	STATION ELECTRICAL PLANS PANEL SCHEDULES - STATIONS 18 THRU 23	CS16	868	CONTROL SYSTEMS PLANS SYSTEMS 60' INBOUND EQUIPMENT PLAN	CS46	898	CONTROL SYSTEMS PLANS EXISTING ATWOOD STATION	MT15	928	MAINTENANCE & PROTECTION OF TRAFFIC PLANS TABULATION SHEET
EL9	843	STATION ELECTRICAL PLANS PANEL SCHEDULES - STATIONS 24 THRU 26	CS17	869	CONTROL SYSTEMS PLANS SYSTEMS 60' SPECIAL CASE EQUIPMENT PLAN	CS47	899	CONTROL SYSTEMS PLANS FIFTH AVE - STA 545+50 TO STA 551+50	MT16	929	MAINTENANCE & PROTECTION OF TRAFFIC PLANS TABULATION SHEET
<u>STATION TAP IN PLANS</u>			CS18	870	CONTROL SYSTEMS PLANS SYSTEMS 30' INBOUND EQUIPMENT PLAN	CS48	900	CONTROL SYSTEMS PLANS FIFTH AVE - STA 555+50 TO STA 561+50	MT17	930	MAINTENANCE & PROTECTION OF TRAFFIC PLANS CONSTRUCTION SEQUENCE
TI1	844	STATION TAP IN PLANS LOCATION MAP	CS19	871	CONTROL SYSTEMS PLANS SYSTEMS 30' INBOUND CONDUIT PLAN	CS49	901	CONTROL SYSTEMS PLANS FORBES AVE - STA 128+00 TO STA 133+50	MT18	931	MAINTENANCE & PROTECTION OF TRAFFIC PLANS CONSTRUCTION SEQUENCE
TI2	845	STATION TAP IN PLANS TAP IN DETAILS	CS20	872	CONTROL SYSTEMS PLANS SYSTEMS 30' OUTBOUND CONDUIT PLAN	CS50	902	CONTROL SYSTEMS PLANS FORBES AVE - STA 143+50 TO STA 149+50	MT19	932	MAINTENANCE & PROTECTION OF TRAFFIC PLANS CONSTRUCTION SEQUENCE
TI3	846	STATION TAP IN PLANS TAP IN DETAILS	CS21	873	CONTROL SYSTEMS PLANS SYSTEMS 30' INBOUND CONDUIT PLAN	CS51	903	CONTROL SYSTEMS PLANS FORBES AVE - STA 149+50 TO STA 154+50	MT20	933	MAINTENANCE & PROTECTION OF TRAFFIC PLANS CONSTRUCTION SEQUENCE
			CS22	874	CONTROL SYSTEMS PLANS SYSTEMS 30' OUTBOUND CONDUIT PLAN	CS52	904	CONTROL SYSTEMS PLANS FORBES AVE - STA 154+50 TO STA 159+50	MT21	934	MAINTENANCE & PROTECTION OF TRAFFIC PLANS CONSTRUCTION SEQUENCE
			CS23	875	CONTROL SYSTEMS PLANS SYSTEMS EQUIPMENT CABINET LAYOUT (TYPICAL)	CS53	905	CONTROL SYSTEMS PLANS FORBES AVE - STA 159+50 TO STA 164+50	MT22	935	MAINTENANCE & PROTECTION OF TRAFFIC PLANS CONSTRUCTION SEQUENCE



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5th Floor
Pittsburgh, PA 15219

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(NOT FOR CONSTRUCTION)

DESIGNED	JMS
DRAWN	JMS
CHECKED	MES
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
INDEX OF DRAWINGS



CONTRACT NO. BRT-001

DWG. NO. GN10 SHT. 10

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INDEX OF DRAWINGS

DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE
<u>MAINTENANCE & PROTECTION OF TRAFFIC PLANS (CONT'D)</u>			<u>MAINTENANCE & PROTECTION OF TRAFFIC PLANS (CONT'D)</u>			<u>MAINTENANCE & PROTECTION OF TRAFFIC PLANS (CONT'D)</u>			<u>MAINTENANCE & PROTECTION OF TRAFFIC PLANS (CONT'D)</u>		
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MT24	937	MAINTENANCE & PROTECTION OF TRAFFIC PLANS CONSTRUCTION SEQUENCE	MT55	968	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2A / FIFTH AVE - STA 433+50 TO STA 438+50	MT86	999	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1D / FIFTH AVE - STA 561+50 TO STA 566+50	MT117	1030	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1A / FORBES AVE - STA 173+50 TO STA 177+50
MT25	938	MAINTENANCE & PROTECTION OF TRAFFIC PLANS CONSTRUCTION SEQUENCE	MT56	969	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2A / FIFTH AVE - STA 438+50 TO STA 443+50	MT87	1000	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2A / FIFTH AVE - STA 490+50 TO STA 496+50	MT118	1031	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1A / FORBES AVE - STA 177+50 TO STA 182+50
MT26	939	MAINTENANCE & PROTECTION OF TRAFFIC PLANS SIGN FABRICATION DETAILS	MT57	970	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2A / FIFTH AVE - STA 443+50 TO STA 448+50	MT88	1001	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2A / FIFTH AVE - STA 496+50 TO STA 502+50	MT119	1032	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1B / FORBES AVE - STA 138+50 TO STA 143+50
MT27	940	MAINTENANCE & PROTECTION OF TRAFFIC PLANS DETAILS	MT58	971	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2A / FIFTH AVE - STA 448+50 TO STA 454+50	MT89	1002	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2A / FIFTH AVE - STA 502+50 TO STA 507+50	MT120	1033	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1B / FORBES AVE - STA 143+50 TO STA 149+50
MT28	941	MAINTENANCE & PROTECTION OF TRAFFIC PLANS DETAILS	MT59	972	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2A / FIFTH AVE - STA 454+50 TO STA 458+50	MT90	1003	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2A / FIFTH AVE - STA 507+50 TO STA 513+50	MT121	1034	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1B / FORBES AVE - STA 149+50 TO STA 154+50
MT29	942	MAINTENANCE & PROTECTION OF TRAFFIC PLANS DETAILS	MT60	973	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2B / FIFTH AVE - STA 454+50 TO STA 458+50	MT91	1004	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2B / FIFTH AVE - STA 507+50 TO STA 513+50	MT122	1035	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1B / FORBES AVE - STA 154+50 TO STA 159+50
MT30	943	MAINTENANCE & PROTECTION OF TRAFFIC PLANS DETAILS	MT61	974	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2B / FIFTH AVE - STA 458+50 TO STA 464+50	MT92	1005	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2B / FIFTH AVE - STA 513+50 TO STA 517+50	MT123	1036	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1B / FORBES AVE - STA 159+50 TO STA 164+50
MT31	944	MAINTENANCE & PROTECTION OF TRAFFIC PLANS DETAILS	MT62	975	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2B / FIFTH AVE - STA 464+50 TO STA 470+50	MT93	1006	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2B / FIFTH AVE - STA 517+50 TO STA 522+50	MT124	1037	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1B / FORBES AVE - STA 164+50 TO STA 169+50
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MT34	947	MAINTENANCE & PROTECTION OF TRAFFIC PLANS DETAILS	MT65	978	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2C / FIFTH AVE - STA 470+50 TO STA 475+50	MT96	1009	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2C / FIFTH AVE - STA 528+50 TO STA 534+50	MT127	1040	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1C / FORBES AVE - STA 128+00 TO STA 133+50
MT35	948	MAINTENANCE & PROTECTION OF TRAFFIC PLANS DETAILS	MT66	979	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2C / FIFTH AVE - STA 475+50 TO STA 480+50	MT97	1010	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2C / FIFTH AVE - STA 534+50 TO STA 540+50	MT128	1041	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1C / FORBES AVE - STA 133+50 TO STA 138+50
MT36	949	MAINTENANCE & PROTECTION OF TRAFFIC PLANS DETAILS	MT67	980	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2C / FIFTH AVE - STA 480+50 TO STA 485+50	MT98	1011	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2C / FIFTH AVE - STA 540+50 TO STA 545+50	MT129	1042	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1C / FORBES AVE - STA 138+50 TO STA 143+50
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MT38	951	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1A / SIXTH AVE - STA 428+50 TO STA 433+50	MT69	982	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2C / FIFTH AVE - STA 490+50 TO STA 496+50	MT100	1013	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2D / FIFTH AVE - STA 545+50 TO STA 551+50	MT131	1044	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2A / FORBES AVE - STA 159+50 TO STA 164+50
MT39	952	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1A FIFTH AVE - STA 433+50 TO STA 438+50	MT70	983	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1A / FIFTH AVE - STA 490+50 TO STA 496+50	MT101	1014	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2D / FIFTH AVE - STA 551+50 TO STA 555+50	MT132	1045	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2A / FORBES AVE - STA 164+50 TO STA 169+50
MT40	953	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1A / FIFTH AVE - STA 438+50 TO STA 443+50	MT71	984	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1A / FIFTH AVE - STA 496+50 TO STA 502+50	MT102	1015	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2D / FIFTH AVE - STA 555+50 TO STA 561+50	MT133	1046	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2A / FORBES AVE - STA 169+50 TO STA 173+50
MT41	954	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1A / FIFTH AVE - STA 443+50 TO STA 448+50	MT72	985	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1A / FIFTH AVE - STA 502+50 TO STA 507+50	MT103	1016	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2D / FIFTH AVE - STA 561+50 TO STA 566+50	MT134	1047	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2A / FORBES AVE - STA 173+50 TO STA 177+50
MT42	955	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1A / FIFTH AVE - STA 448+50 TO STA 454+50	MT73	986	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1A / FIFTH AVE - STA 507+50 TO STA 513+50	MT104	1017	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1A / FORBES AVE - STA 237+50 TO STA 242+50	MT135	1048	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2A / FORBES AVE - STA 177+50 TO STA 182+50
MT43	956	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1A / FIFTH AVE - STA 454+50 TO STA 458+50	MT74	987	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1B / FIFTH AVE - STA 507+50 TO STA 513+50	MT105	1018	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1A / FORBES AVE - STA 242+50 TO STA 247+50	MT136	1049	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2B / FORBES AVE - STA 138+50 TO STA 143+50
MT44	957	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1B / FIFTH AVE - STA 454+50 TO STA 458+50	MT75	988	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1B / FIFTH AVE - STA 513+50 TO STA 517+50	MT106	1019	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1A / FORBES AVE - STA 247+50 TO STA 251+50	MT137	1050	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2B / FORBES AVE - STA 143+50 TO STA 149+50
MT45	958	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1B / FIFTH AVE - STA 458+50 TO STA 464+50	MT76	989	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1B / FIFTH AVE - STA 517+50 TO STA 522+50	MT107	1020	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1B / FORBES AVE - STA 232+00 TO STA 237+50	MT138	1051	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2B / FORBES AVE - STA 149+50 TO STA 154+50
MT46	959	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1B / FIFTH AVE - STA 464+50 TO STA 470+50	MT77	990	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1B / FIFTH AVE - STA 522+50 TO STA 528+50	MT108	1021	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1B / FORBES AVE - STA 237+50 TO STA 242+50	MT139	1052	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2B / FORBES AVE - STA 154+50 TO STA 159+50
MT47	960	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1B / FIFTH AVE - STA 470+50 TO STA 475+50	MT78	991	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1C / FIFTH AVE - STA 522+50 TO STA 528+50	MT109	1022	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1C / FORBES AVE - STA 217+50 TO STA 221+50	MT140	1053	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2B / FORBES AVE - STA 159+50 TO STA 164+50
MT48	961	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1B / FIFTH AVE - STA 475+50 TO STA 480+50	MT79	992	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1C / FIFTH AVE - STA 528+50 TO STA 534+50	MT110	1023	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1C / FORBES AVE - STA 221+50 TO STA 227+00	MT141	1054	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2B / FORBES AVE - STA 164+50 TO STA 169+50
MT49	962	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1C / FIFTH AVE - STA 470+50 TO STA 475+50	MT80	993	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1C / FIFTH AVE - STA 534+50 TO STA 540+50	MT111	1024	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1D / FORBES AVE - STA 202+50 TO STA 207+50	MT142	1055	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2C / FORBES AVE - STA 119+00 TO STA 122+00
MT50	963	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1C / FIFTH AVE - STA 475+50 TO STA 480+50	MT81	994	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1C / FIFTH AVE - STA 540+50 TO STA 545+50	MT112	1025	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1D / FORBES AVE - STA 207+50 TO STA 213+50	MT143	1056	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2C / FORBES AVE - STA 122+00 TO STA 128+00
MT51	964	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1C / FIFTH AVE - STA 480+50 TO STA 485+50	MT82	995	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1C / FIFTH AVE - STA 545+50 TO STA 551+50	MT113	1026	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1D / FORBES AVE - STA 213+50 TO STA 217+50	MT144	1057	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2C / FORBES AVE - STA 128+00 TO STA 133+50
MT52	965	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1C / FIFTH AVE - STA 485+50 TO STA 490+50	MT83	996	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1D / FIFTH AVE - STA 545+50 TO STA 551+50	MT114	1027	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1A / FORBES AVE - STA 159+50 TO STA 164+50	MT145	1058	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2C / FORBES AVE - STA 133+50 TO STA 138+50
MT53	966	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1C / FIFTH AVE - STA 490+50 TO STA 496+50	MT84	997	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1D / FIFTH AVE - STA 551+50 TO STA 555+50	MT115	1028	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 1A / FORBES AVE - STA 164+50 TO STA 169+50	MT146	1059	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2C / FORBES AVE - STA 138+50 TO STA 143+50



NO.	DATE	DESCRIPTION
REVISIONS		

THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE FEDERAL TRANSIT ADMINISTRATION, U.S. DEPARTMENT OF TRANSPORTATION, UNDER THE URBAN MASS TRANSPORTATION ACT OF 1984, AS AMENDED, FOR THE PORT AUTHORITY OF ALLEGHENY COUNTY, PENNSYLVANIA.

(NOT FOR CONSTRUCTION)

DESIGNED	JMS
DRAWN	JMS
CHECKED	MES
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY	
PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND	
INDEX OF DRAWINGS	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. GN11	SHT. 11

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INDEX OF DRAWINGS

DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE
MAINTENANCE & PROTECTION OF TRAFFIC PLANS (CONT'D)			SIGNAL PLANS (CONT'D)			SIGNAL PLANS (CONT'D)			SIGNAL PLANS (CONT'D)		
MT147	1060	MAINTENANCE & PROTECTION OF TRAFFIC PLANS PHASE 2C / FORBES AVE - STA 143+50 TO STA 149+50	SG29	1089	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG60	1120	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG91	1151	SIGNAL PLANS FIFTH AVENUE & BELLFIELD AVENUE
		SIGNAL PLANS	SG30	1090	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG61	1121	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG92	1152	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS
SG1	1061	SIGNAL PLANS SIXTH AVENUE & CENTRE AVENUE	SG31	1091	SIGNAL PLANS FIFTH AVENUE & DINWIDDIE STREET	SG62	1122	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG93	1153	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS
SG2	1062	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG32	1092	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG63	1123	SIGNAL PLANS FIFTH AVENUE & ATWOOD STREET	SG94	1154	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS
SG3	1063	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG33	1093	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG64	1124	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG95	1155	SIGNAL PLANS FORBES AVENUE & TENTH ST/ARMSTRONG TUNNEL
SG4	1064	SIGNAL PLANS FIFTH AVENUE & SIXTH STREET	SG34	1094	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG65	1125	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG96	1156	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS
SG5	1065	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG35	1095	SIGNAL PLANS FIFTH AVENUE & JUMONVILLE STREET/WYANDOTTE ST	SG66	1126	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG97	1157	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS
SG6	1066	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG36	1096	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG67	1127	SIGNAL PLANS FIFTH AVENUE & OAKLAND AVENUE/DE SOTO STREET	SG98	1158	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS
SG7	1067	SIGNAL PLANS FORBES AVENUE/SIXTH AVENUE & DIAMOND STREET	SG37	1097	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG68	1128	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG99	1159	SIGNAL PLANS FORBES AVENUE & CHATHAM SQUARE/MCANULTY DRIVE
SG8	1068	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG38	1098	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG69	1129	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG100	1160	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS
SG9	1069	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG39	1099	SIGNAL PLANS FIFTH AVENUE & BIRMINGHAM BRIDGE/KIRKPATRICK ST	SG70	1130	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG101	1161	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS
SG10	1070	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG40	1100	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG71	1131	SIGNAL PLANS FIFTH AVENUE & BOUQUET STREET	SG102	1162	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS
SG11	1071	SIGNAL PLANS FIFTH AVENUE & WASHINGTON PLACE	SG41	1101	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG72	1132	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG103	1163	SIGNAL PLANS FORBES AVENUE & STEVENSON STREET
SG12	1072	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG42	1102	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG73	1133	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG104	1164	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS
SG13	1073	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG43	1103	SIGNAL PLANS FIFTH AVENUE & RAMP TO BOULEVARD OF THE ALLIES	SG74	1134	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG105	1165	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS
SG14	1074	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG44	1104	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG75	1135	SIGNAL PLANS FIFTH AVENUE & THACKERY AVENUE	SG106	1166	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS
SG15	1075	SIGNAL PLANS FIFTH AVENUE & MAGEE STREET	SG45	1105	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG76	1136	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG107	1167	SIGNAL PLANS FORBES AVENUE & PRIDE STREET
SG16	1076	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG46	1106	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG77	1137	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG108	1168	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS
SG17	1077	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG47	1107	SIGNAL PLANS FIFTH AVENUE & CRAFT AVENUE	SG78	1138	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG109	1169	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS
SG18	1078	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG48	1108	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG79	1139	SIGNAL PLANS FIFTH AVENUE & BIGELOW BOULEVARD	SG110	1170	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS
SG19	1079	SIGNAL PLANS FIFTH AVENUE & STEVENSON STREET	SG49	1109	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG80	1140	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG111	1171	SIGNAL PLANS FORBES AVENUE & MARION STREET
SG20	1080	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG50	1110	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG81	1141	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG112	1172	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS
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SG22	1082	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG52	1112	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG83	1143	SIGNAL PLANS FIFTH AVENUE & LYTTON AVENUE	SG114	1174	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS
SG23	1083	SIGNAL PLANS FIFTH AVENUE & PRIDE STREET	SG53	1113	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG84	1144	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG115	1175	SIGNAL PLANS FORBES AVENUE & VAN BRAAM STREET
SG24	1084	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG54	1114	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG85	1145	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG116	1176	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS
SG25	1085	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG55	1115	SIGNAL PLANS FIFTH AVENUE & MCKEE PLACE/ DARRAGH STREET	SG86	1146	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG117	1177	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS
SG26	1086	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG56	1116	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG87	1147	SIGNAL PLANS FIFTH AVENUE & TENNYSON AVENUE	SG118	1178	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS
SG27	1087	SIGNAL PLANS FIFTH AVENUE & MARION STREET/VINE STREET	SG57	1117	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG88	1148	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG119	1179	SIGNAL PLANS FORBES AVENUE & MILTENBERGER STREET
SG28	1088	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	SG58	1118	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG89	1149	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG120	1180	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS
			SG59	1119	SIGNAL PLANS FIFTH AVENUE & MEYRAN AVENUE/ LOTHROP STREET	SG90	1150	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	SG121	1181	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS

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NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

DESIGNED	JMS
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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND	
INDEX OF DRAWINGS	
	CONTRACT NO. BRT-001
	DWG. NO. GN12 SHT. 12

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INDEX OF DRAWINGS

DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE
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SG123	1183	SIGNAL PLANS FORBES AVENUE & GIST STREET	XS6	1211	CROSS SECTIONS FIFTH AVE - STA 437+50.00	XS37	1242	CROSS SECTIONS FIFTH AVE - STA 461+00.00 TO STA 461+50.00	XS68	1273	CROSS SECTIONS FIFTH AVE - STA 480+50.00 TO STA 481+00.00
SG124	1184	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	XS7	1212	CROSS SECTIONS FIFTH AVE - STA 438+00.00 TO STA 438+50.00	XS38	1243	CROSS SECTIONS FIFTH AVE - STA 462+00.00	XS69	1274	CROSS SECTIONS FIFTH AVE - STA 481+50.00 TO STA 482+00.00
SG125	1185	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	XS8	1213	CROSS SECTIONS FIFTH AVE - STA 439+00.00 TO STA 439+50.00	XS39	1244	CROSS SECTIONS FIFTH AVE - STA 462+50.00	XS70	1275	CROSS SECTIONS FIFTH AVE - STA 482+39.00
SG126	1186	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	XS9	1214	CROSS SECTIONS FIFTH AVE - STA 440+00.00 TO STA 440+21.00	XS40	1245	CROSS SECTIONS FIFTH AVE - STA 463+00.00 TO STA 463+50.00	XS71	1276	CROSS SECTIONS FIFTH AVE - STA 482+50.00
SG127	1187	SIGNAL PLANS FORBES AVENUE & JUMONVILLE STREET	XS10	1215	CROSS SECTIONS FIFTH AVE - STA 440+00.00 TO STA 440+50.00	XS41	1246	CROSS SECTIONS FIFTH AVE - STA 463+65.00 TO STA 464+00.00	XS72	1277	CROSS SECTIONS FIFTH AVE - STA 483+00.00
SG128	1188	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	XS11	1216	CROSS SECTIONS FIFTH AVE - STA 440+59.00 TO STA 441+00.00	XS42	1247	CROSS SECTIONS FIFTH AVE - STA 464+50.00 TO STA 465+00.00	XS73	1278	CROSS SECTIONS FIFTH AVE - STA 483+50.00
SG129	1189	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	XS12	1217	CROSS SECTIONS FIFTH AVE - STA 441+50.00 TO STA 442+00.00	XS43	1248	CROSS SECTIONS FIFTH AVE - STA 465+50.00 TO STA 466+00.00	XS74	1279	CROSS SECTIONS FIFTH AVE - STA 484+00.00 TO STA 484+50.00
SG130	1190	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	XS13	1218	CROSS SECTIONS FIFTH AVE - STA 442+11.00 TO STA 442+50.00	XS44	1249	CROSS SECTIONS FIFTH AVE - STA 466+50.00 TO STA 467+00.00	XS75	1280	CROSS SECTIONS FIFTH AVE - STA 485+00.00
SG131	1191	SIGNAL PLANS FORBES AVENUE & MOULTRIE STREET	XS14	1219	CROSS SECTIONS FIFTH AVE - STA 443+00.00 TO STA 443+50.00	XS45	1250	CROSS SECTIONS FIFTH AVE - STA 467+08.00 TO 467+50.00	XS76	1281	CROSS SECTIONS FIFTH AVE - STA 485+50.00
SG132	1192	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	XS15	1220	CROSS SECTIONS FIFTH AVE - STA 440+00.00 TO STA 444+50.00	XS46	1251	CROSS SECTIONS FIFTH AVE - STA 467+86.00 TO 468+00.00	XS77	1282	CROSS SECTIONS FIFTH AVE - STA 486+00.00 TO STA 486+45.00
SG133	1193	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	XS16	1221	CROSS SECTIONS FIFTH AVE - STA 445+00.00 TO STA 445+50.00	XS47	1252	CROSS SECTIONS FIFTH AVE - STA 468+50.00 TO 468+73.00	XS78	1283	CROSS SECTIONS FIFTH AVE - STA 486+50.00 TO STA 486+93.00
SG134	1194	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	XS17	1222	CROSS SECTIONS FIFTH AVE - STA 446+00.00	XS48	1253	CROSS SECTIONS FIFTH AVE - STA 469+00.00 TO STA 469+50.00	XS79	1284	CROSS SECTIONS FIFTH AVE - STA 487+00.00 TO STA 487+50.00
SG135	1195	SIGNAL PLANS FORBES AVENUE & BIRMINGHAM BRIDGE ON-OFF RAMP	XS18	1223	CROSS SECTIONS FIFTH AVE - STA 446+50.00	XS49	1254	CROSS SECTIONS FIFTH AVE - STA 470+00.00	XS80	1285	CROSS SECTIONS FIFTH AVE - STA 488+00.00 TO STA 488+50.00
SG136	1196	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	XS19	1224	CROSS SECTIONS FIFTH AVE - STA 447+00.00 TO STA 447+50.00	XS50	1255	CROSS SECTIONS FIFTH AVE - STA 470+50.00	XS81	1286	CROSS SECTIONS FIFTH AVE - STA 489+00.00 TO STA 489+50.00
SG137	1197	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	XS20	1225	CROSS SECTIONS FIFTH AVE - STA 447+86.00 TO STA 448+00.00	XS51	1256	CROSS SECTIONS FIFTH AVE - STA 471+00.00	XS82	1287	CROSS SECTIONS FIFTH AVE - STA 490+00.00
SG138	1198	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	XS21	1226	CROSS SECTIONS FIFTH AVE - STA 448+50.00 TO STA 449+00.00	XS52	1257	CROSS SECTIONS FIFTH AVE - STA 471+50.00 TO STA 472+00.00	XS83	1288	CROSS SECTIONS FIFTH AVE - STA 490+50.00
SG139	1199	SIGNAL PLANS FORBES AVENUE & HALKET STREET	XS22	1227	CROSS SECTIONS FIFTH AVE - STA 449+50.00 TO STA 450+00.00	XS53	1258	CROSS SECTIONS FIFTH AVE - STA 472+46.00 TO STA 472+50.00	XS84	1289	CROSS SECTIONS FIFTH AVE - STA 491+00.00
SG140	1200	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	XS23	1228	CROSS SECTIONS FIFTH AVE - STA 450+50.00	XS54	1259	CROSS SECTIONS FIFTH AVE - STA 473+00.00 TO STA 473+50.00	XS85	1290	CROSS SECTIONS FIFTH AVE - STA 491+50.00 TO STA 492+00.00
SG141	1201	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	XS24	1229	CROSS SECTIONS FIFTH AVE - STA 451+00.00 TO STA 451+50.00	XS55	1260	CROSS SECTIONS FIFTH AVE - STA 474+00.00 TO STA 474+50.00	XS86	1291	CROSS SECTIONS FIFTH AVE - STA 492+14.00 TO STA 492+50.00
SG142	1202	SIGNAL PLANS & SCHENLEY DRIVE EXTENSION	XS25	1230	CROSS SECTIONS FIFTH AVE - STA 452+00.00 TO STA 452+50.00	XS56	1261	CROSS SECTIONS FIFTH AVE - STA 475+00.00	XS87	1292	CROSS SECTIONS FIFTH AVE - STA 493+00.00 TO STA 493+50.00
SG143	1203	SIGNAL PLANS WIRING, MOVEMENT, PHASING & SEQUENCE DIAGRAMS	XS26	1231	CROSS SECTIONS FIFTH AVE - STA 452+92.00 TO STA 453+00.00	XS57	1262	CROSS SECTIONS FIFTH AVE - STA 475+50.00	XS88	1293	CROSS SECTIONS FIFTH AVE - STA 494+00.00 TO STA 494+50.00
SG144	1204	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	XS27	1232	CROSS SECTIONS FIFTH AVE - STA 453+50.00 TO STA 454+00.00	XS58	1263	CROSS SECTIONS FIFTH AVE - STA 476+00.00	XS89	1294	CROSS SECTIONS FIFTH AVE - STA 495+00.00
SG145	1205	SIGNAL PLANS TRAFFIC SIGNAL TABULATIONS	XS28	1233	CROSS SECTIONS FIFTH AVE - STA 454+50.00	XS59	1264	CROSS SECTIONS FIFTH AVE - STA 476+18.00	XS90	1295	CROSS SECTIONS FIFTH AVE - STA 495+50.00
			XS29	1234	CROSS SECTIONS FIFTH AVE - STA 455+00.00 TO STA 455+50.00	XS60	1265	CROSS SECTIONS FIFTH AVE - STA 476+50.00	XS91	1296	CROSS SECTIONS FIFTH AVE - STA 496+00.00
			XS30	1235	CROSS SECTIONS FIFTH AVE - STA 455+65.00 TO STA 456+00.00	XS61	1266	CROSS SECTIONS FIFTH AVE - STA 477+00.00	XS92	1297	CROSS SECTIONS FIFTH AVE - STA 496+50.00
			XS31	1236	CROSS SECTIONS FIFTH AVE - STA 456+50.00 TO STA 456+80.00	XS62	1267	CROSS SECTIONS FIFTH AVE - STA 477+42.00	XS93	1298	CROSS SECTIONS FIFTH AVE - STA 497+00.00
XS1	1206	CROSS SECTIONS FIFTH AVE - STA 434+00.00 TO STA 434+50.00	XS32	1237	CROSS SECTIONS FIFTH AVE - STA 457+00.00 TO STA 457+50.00	XS63	1268	CROSS SECTIONS FIFTH AVE - STA 477+50.00	XS94	1299	CROSS SECTIONS FIFTH AVE - STA 497+50.00
XS2	1207	CROSS SECTIONS FIFTH AVE - STA 435+00 TO STA 435+16.00	XS33	1238	CROSS SECTIONS FIFTH AVE - STA 458+00.00 TO STA 458+50.00	XS64	1269	CROSS SECTIONS FIFTH AVE - STA 477+90.00	XS95	1300	CROSS SECTIONS FIFTH AVE - STA 498+00.00
XS3	1208	CROSS SECTIONS FIFTH AVE - STA 435+50.00 TO STA 436+00.00	XS34	1239	CROSS SECTIONS FIFTH AVE - STA 459+00.00 TO STA 459+44.00	XS65	1270	CROSS SECTIONS FIFTH AVE - STA 478+00.00	XS96	1301	CROSS SECTIONS FIFTH AVE - STA 498+50.00
XS4	1209	CROSS SECTIONS FIFTH AVE - STA 436+50.00	XS35	1240	CROSS SECTIONS FIFTH AVE - STA 459+50.00 TO STA 459+75.00	XS66	1271	CROSS SECTIONS FIFTH AVE - STA 478+50.00 TO STA 479+00.00	XS97	1302	CROSS SECTIONS FIFTH AVE - STA 499+00.00 TO STA 499+50.00



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(NOT FOR CONSTRUCTION)

DESIGNED	JMS
DRAWN	JMS
CHECKED	MES
IN CHARGE	LAR
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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND

INDEX OF DRAWINGS

Port Authority connecting people to life®

CONTRACT NO. BRT-001

DWG. NO. GN13 SHT. 13

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INDEX OF DRAWINGS

DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE	DRAWING NUMBER	SHEET NUMBER	TITLE
		<u>CROSS SECTIONS (CONT'D)</u>			<u>CROSS SECTIONS (CONT'D)</u>			<u>CROSS SECTIONS (CONT'D)</u>			<u>CROSS SECTIONS (CONT'D)</u>
XS98	1303	CROSS SECTIONS FIFTH AVE - STA 500+00.00 TO STA 500+50.00	XS129	1334	CROSS SECTIONS FIFTH AVE - STA 533+00.00 TO STA 533+50.00	0	0	0	XS191	1396	CROSS SECTIONS FORBES AVE - STA 138+00.00
XS99	1304	CROSS SECTIONS FIFTH AVE - STA 501+00.00	XS130	1335	CROSS SECTIONS FIFTH AVE - STA 534+00.00 TO STA 534+50.00	XS161	1366	CROSS SECTIONS FORBES AVE - STA 121+50.00	XS192	1397	CROSS SECTIONS FORBES AVE - STA 138+50.00
XS100	1305	CROSS SECTIONS FIFTH AVE - STA 501+50.00 TO STA 502+00.00	XS131	1336	CROSS SECTIONS FIFTH AVE - STA 535+00.00 TO STA 535+50.00	XS162	1367	CROSS SECTIONS FORBES AVE - STA 122+00.00	XS193	1398	CROSS SECTIONS FORBES AVE - STA 139+00.00
XS101	1306	CROSS SECTIONS FIFTH AVE - STA 502+50.00 TO STA 503+00.00	XS132	1337	CROSS SECTIONS FIFTH AVE - STA 536+00.00 TO STA 536+50.00	XS163	1368	CROSS SECTIONS FORBES AVE - STA 122+50.00	XS194	1399	CROSS SECTIONS FORBES AVE - STA 139+50.00
XS102	1307	CROSS SECTIONS FIFTH AVE - STA 503+50.00 TO STA 504+00.00	XS133	1338	CROSS SECTIONS FIFTH AVE - STA 537+00.00 TO STA 537+50.00	XS164	1369	CROSS SECTIONS FORBES AVE - STA 122+86.00	XS195	1400	CROSS SECTIONS FORBES AVE - STA 140+00.00
XS103	1308	CROSS SECTIONS FIFTH AVE - STA 504+50.00 TO STA 505+00.00	XS134	1339	CROSS SECTIONS FIFTH AVE - STA 538+00.00 TO STA 538+50.00	XS165	1370	CROSS SECTIONS FORBES AVE - STA 123+00.00	XS196	1401	CROSS SECTIONS FORBES AVE - STA 140+50.00
XS104	1309	CROSS SECTIONS FIFTH AVE - STA 505+50.00	XS135	1340	CROSS SECTIONS FIFTH AVE - STA 539+00.00 TO STA 539+50.00	XS166	1371	CROSS SECTIONS FORBES AVE - STA 123+50.00 TO STA 124+00.00	XS197	1402	CROSS SECTIONS FORBES AVE - STA 141+00.00
XS105	1310	CROSS SECTIONS FIFTH AVE - STA 506+00.00	XS136	1341	CROSS SECTIONS FIFTH AVE - STA 540+00.00 TO STA 540+50.00	XS167	1372	CROSS SECTIONS FORBES AVE - STA 124+50.00	XS198	1403	CROSS SECTIONS FORBES AVE - STA 141+50.00
XS106	1311	CROSS SECTIONS FIFTH AVE - STA 506+50.00 TO STA 507+00.00	XS137	1342	CROSS SECTIONS FIFTH AVE - STA 541+00.00 TO STA 541+50.00	XS168	1373	CROSS SECTIONS FORBES AVE - STA 125+00.00	XS199	1404	CROSS SECTIONS FORBES AVE - STA 141+78.00
XS107	1312	CROSS SECTIONS FIFTH AVE - STA 507+50.00	XS138	1343	CROSS SECTIONS FIFTH AVE - STA 542+00.00 TO STA 542+50.00	XS169	1374	CROSS SECTIONS FORBES AVE - STA 125+50.00	XS200	1405	CROSS SECTIONS FORBES AVE - STA 142+00.00
XS108	1313	CROSS SECTIONS FIFTH AVE - STA 508+00.00	XS139	1344	CROSS SECTIONS FIFTH AVE - STA 543+00.00 TO STA 543+50.00	XS170	1375	CROSS SECTIONS FORBES AVE - STA 126+00.00 TO STA 126+50.00	XS201	1406	CROSS SECTIONS FORBES AVE - STA 142+50.00
XS109	1314	CROSS SECTIONS FIFTH AVE - STA 508+50.00	XS140	1345	CROSS SECTIONS FIFTH AVE - STA 544+00.00 TO STA 544+50.00	XS171	1376	CROSS SECTIONS FORBES AVE - STA 127+00.00	XS202	1407	CROSS SECTIONS FORBES AVE - STA 143+00.00 TO STA 143+50.00
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XS111	1316	CROSS SECTIONS FIFTH AVE - STA 510+00.00 TO STA 510+50.00	XS142	1347	CROSS SECTIONS FIFTH AVE - STA 551+50.00 TO STA 552+00.00	XS173	1378	CROSS SECTIONS FORBES AVE - STA 128+00.00	XS204	1409	CROSS SECTIONS FORBES AVE - STA 145+00.00 TO STA 145+16.00
XS112	1317	CROSS SECTIONS FIFTH AVE - STA 511+00.00 TO STA 511+50.00	XS143	1348	CROSS SECTIONS FIFTH AVE - STA 552+50.00 TO STA 553+00.00	XS174	1379	CROSS SECTIONS FORBES AVE - STA 128+50.00	XS205	1410	CROSS SECTIONS FORBES AVE - STA 145+50.00 TO STA 145+68.00
XS113	1318	CROSS SECTIONS FIFTH AVE - STA 512+00.00 TO STA 512+50.00	XS144	1349	CROSS SECTIONS FIFTH AVE - STA 553+50.00 TO STA 554+00.00	XS175	1380	CROSS SECTIONS FORBES AVE - STA 129+00.00	XS206	1411	CROSS SECTIONS FORBES AVE - STA 146+00.00 TO STA 146+50.00
XS114	1319	CROSS SECTIONS FIFTH AVE - STA 513+00.00 TO STA 513+50.00	XS145	1350	CROSS SECTIONS FIFTH AVE - STA 554+50.00 TO STA 555+00.00	XS176	1381	CROSS SECTIONS FORBES AVE - STA 129+24.00	XS207	1412	CROSS SECTIONS FORBES AVE - STA 147+00.00 TO STA 147+50.00
XS115	1320	CROSS SECTIONS FIFTH AVE - STA 514+00.00 TO STA 514+50.00	XS146	1351	CROSS SECTIONS FIFTH AVE - STA 556+50.00 TO STA 557+00.00	XS177	1382	CROSS SECTIONS FORBES AVE - STA 129+50.00	XS208	1413	CROSS SECTIONS FORBES AVE - STA 148+00.00
XS116	1321	CROSS SECTIONS FIFTH AVE - STA 515+00.00 TO STA 515+50.00	XS147	1352	CROSS SECTIONS FIFTH AVE - STA 557+50.00	XS178	1383	CROSS SECTIONS FORBES AVE - STA 130+00.00	XS209	1414	CROSS SECTIONS FORBES AVE - STA 148+25.00 TO STA 148+50.00
XS117	1322	CROSS SECTIONS FIFTH AVE - STA 516+00.00 TO STA 516+50.00	XS148	1353	CROSS SECTIONS FIFTH AVE - STA 559+50.00 TO STA 560+00.00	XS179	1384	CROSS SECTIONS FORBES AVE - STA 130+28.00	XS210	1415	CROSS SECTIONS FORBES AVE - STA 149+00.00 TO STA 149+50.00
XS118	1323	CROSS SECTIONS FIFTH AVE - STA 516+97.00 TO STA 517+00.00	XS149	1354	CROSS SECTIONS FIFTH AVE - STA 560+50.00 TO STA 561+00.00	XS180	1385	CROSS SECTIONS FORBES AVE - STA 130+50.00	XS211	1416	CROSS SECTIONS FORBES AVE - STA 150+00.00 TO STA 150+50.00
XS119	1324	CROSS SECTIONS FIFTH AVE - STA 517+50.00 TO STA 518+00.00	XS150	1355	CROSS SECTIONS FIFTH AVE - STA 561+50.00 TO STA 562+00.00	XS181	1386	CROSS SECTIONS FORBES AVE - STA 131+00.00 TO STA 131+50.00	XS212	1417	CROSS SECTIONS FORBES AVE - STA 151+00.00
XS120	1325	CROSS SECTIONS FIFTH AVE - STA 518+50.00 TO STA 519+00.00	XS151	1356	CROSS SECTIONS FIFTH AVE - STA 562+50.00 TO STA 563+00.00	XS182	1387	CROSS SECTIONS FORBES AVE - STA 132+00.00 TO STA 132+50.00	XS213	1418	CROSS SECTIONS FORBES AVE - STA 151+50.00
XS121	1326	CROSS SECTIONS FIFTH AVE - STA 520+50.00 TO STA 521+00.00	XS152	1357	CROSS SECTIONS FIFTH AVE - STA 563+50.00 TO STA 564+00.00	XS183	1388	CROSS SECTIONS FORBES AVE - STA 133+00.00 TO STA 133+50.00	XS214	1419	CROSS SECTIONS FORBES AVE - STA 152+00.00
XS122	1327	CROSS SECTIONS FIFTH AVE - STA 521+50.00	XS153	1358	CROSS SECTIONS FIFTH AVE - STA 564+50.00 TO STA 573+95.00	XS184	1389	CROSS SECTIONS FORBES AVE - STA 134+00.00 TO STA 134+50.00	XS215	1420	CROSS SECTIONS FORBES AVE - STA 152+50.00
XS123	1328	CROSS SECTIONS FIFTH AVE - STA 526+00.00 TO STA 526+50.00	XS155	1360	CROSS SECTIONS WASHINGTON PL - STA 25+50.00	XS185	1390	CROSS SECTIONS FORBES AVE - STA 135+00.00 TO STA 135+50.00	XS216	1421	CROSS SECTIONS FORBES AVE - STA 152+55.00
XS124	1329	CROSS SECTIONS FIFTH AVE - STA 527+00.00 TO STA 527+30.00	XS156	1361	CROSS SECTIONS PRIDE ST - STA 30+50.00	XS186	1391	CROSS SECTIONS FORBES AVE - STA 136+00.00	XS217	1422	CROSS SECTIONS FORBES AVE - STA 153+00.00 TO STA 153+50.00
XS125	1330	CROSS SECTIONS FIFTH AVE - STA 527+50.00 TO STA 528+00.00	XS157	1362	CROSS SECTIONS MARION ST - STA 22+75.00	XS187	1392	CROSS SECTIONS FORBES AVE - STA 136+50.00	XS218	1423	CROSS SECTIONS FORBES AVE - STA 154+00.00 TO STA 154+50.00
XS126	1331	CROSS SECTIONS FIFTH AVE - STA 530+50.00 TO STA 531+00.00	XS158	1363	CROSS SECTIONS WYANDOTTE ST - STA 30+50.00	XS188	1393	CROSS SECTIONS FORBES AVE - STA 136+70.00	XS219	1424	CROSS SECTIONS FORBES AVE - STA 155+00.00 TO STA 155+27.00
XS127	1332	CROSS SECTIONS FIFTH AVE - STA 531+50.00 TO STA 532+00.00	XS159	1364	CROSS SECTIONS KIRKPATRICK ST - STA 30+50.00 TO STA 31+00.00	XS189	1394	CROSS SECTIONS FORBES AVE - STA 137+00.00			
XS128	1333	CROSS SECTIONS FIFTH AVE - STA 532+50.00	XS160	1365	CROSS SECTIONS KIRKPATRICK ST - STA 31+50.00	XS190	1395	CROSS SECTIONS FORBES AVE - STA 137+50.00			



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PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
INDEX OF DRAWINGS



CONTRACT NO. BRT-001

DWG. NO. GN14 SHT. 14

OPERATOR: "Joseph.s.j.tch" FILE: PA TH: c:\pwork\img\vecom_dsl16_nd\joseph.s.j.tch\port_01_rd_10d12.dgn

INDEX OF DRAWINGS

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		<u>CROSS SECTIONS (CONT'D)</u>			<u>CROSS SECTIONS (CONT'D)</u>
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XS221	1426	CROSS SECTIONS FORBES AVE - STA 155+99.00	XS252	1457	CROSS SECTIONS FORBES AVE - STA 174+00.00
XS222	1427	CROSS SECTIONS FORBES AVE - STA 156+00.00	XS253	1458	CROSS SECTIONS FORBES AVE - STA 174+50.00
XS223	1428	CROSS SECTIONS FORBES AVE - STA 156+50.00 TO STA 157+00.00	XS254	1459	CROSS SECTIONS FORBES AVE - STA 175+00.00 TO STA 175+33.00
XS224	1429	CROSS SECTIONS FORBES AVE - STA 157+50.00	XS255	1460	CROSS SECTIONS FORBES AVE - STA 175+50.00 TO STA 176+00.00
XS225	1430	CROSS SECTIONS FORBES AVE - STA 158+00.00	XS256	1461	CROSS SECTIONS FORBES AVE - STA 176+50.00
XS226	1431	CROSS SECTIONS FORBES AVE - STA 158+50.00	XS257	1462	CROSS SECTIONS FORBES AVE - STA 176+58.00
XS227	1432	CROSS SECTIONS FORBES AVE - STA 159+00.00	XS258	1463	CROSS SECTIONS FORBES AVE - STA 177+00.00
XS228	1433	CROSS SECTIONS FORBES AVE - STA 159+50.00	XS259	1464	CROSS SECTIONS FORBES AVE - STA 177+50.00 TO STA 178+00.00
XS229	1434	CROSS SECTIONS FORBES AVE - STA 160+00.00	XS260	1465	CROSS SECTIONS FORBES AVE - STA 178+50.00
XS230	1435	CROSS SECTIONS FORBES AVE - STA 160+50.00	XS261	1466	CROSS SECTIONS FORBES AVE - STA 179+00.00
XS231	1436	CROSS SECTIONS FORBES AVE - STA 161+00.00	XS262	1467	CROSS SECTIONS FORBES AVE - STA 179+50.00
XS232	1437	CROSS SECTIONS FORBES AVE - STA 161+36.00	XS263	1468	CROSS SECTIONS FORBES AVE - STA 180+00.00
XS233	1438	CROSS SECTIONS FORBES AVE - STA 161+50.00	XS264	1469	CROSS SECTIONS FORBES AVE - STA 180+50.00
XS234	1439	CROSS SECTIONS FORBES AVE - STA 162+00.00	XS265	1470	CROSS SECTIONS FORBES AVE - STA 180+65.89
XS235	1440	CROSS SECTIONS FORBES AVE - STA 162+50.00	XS266	1471	CROSS SECTIONS FORBES AVE - STA 211+50.00 TO STA 212+00.00
XS236	1441	CROSS SECTIONS FORBES AVE - STA 163+00.00	XS267	1472	CROSS SECTIONS FORBES AVE - STA 212+41.00 TO STA 212+50.00
XS237	1442	CROSS SECTIONS FORBES AVE - STA 163+50.00 TO STA 164+00.00	XS268	1473	CROSS SECTIONS FORBES AVE - STA 213+00.00 TO STA 213+50.00
XS238	1443	CROSS SECTIONS FORBES AVE - STA 164+50.00 TO STA 165+00.00	XS269	1474	CROSS SECTIONS FORBES AVE - STA 217+15.00
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XS241	1446	CROSS SECTIONS FORBES AVE - STA 166+00.00	XS272	1477	CROSS SECTIONS FORBES AVE - STA 224+75.00 TO STA 225+00.00
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XS243	1448	CROSS SECTIONS FORBES AVE - STA 166+50.00	XS274	1479	CROSS SECTIONS FORBES AVE - STA 236+00.00 TO STA 236+50.00
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XS246	1451	CROSS SECTIONS FORBES AVE - STA 169+00.00 TO STA 169+50.00	XS277	1482	CROSS SECTIONS FORBES AVE - STA 245+00.00
XS247	1452	CROSS SECTIONS FORBES AVE - STA 170+00.00 TO STA 170+50.00	XS278	1483	CROSS SECTIONS FORBES AVE - STA 245+50.00 TO STA 245+76.00
XS248	1453	CROSS SECTIONS FORBES AVE - STA 171+00.00	XS279	1484	CROSS SECTIONS FORBES AVE - STA 246+00.00 TO STA 246+46.00
XS249	1454	CROSS SECTIONS FORBES AVE - STA 171+28.00 TO STA 171+50.00	XS280	1485	CROSS SECTIONS FORBES AVE - STA 246+50.00 TO STA 247+00.00
XS250	1455	CROSS SECTIONS FORBES AVE - STA 172+00.00 TO STA 172+50.00	XS281	1486	CROSS SECTIONS FORBES AVE - STA 247+50.00 TO STA 248+00.00



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CONTRACT NO. BRT-001

DWG. NO. GN15 SHT. 15

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SWM13	13	STORMWATER MANAGEMENT PLANS STRUCTURE TABLE - FIFTH AVENUE			
SWM14	14	STORMWATER MANAGEMENT PLANS STRUCTURE TABLE - FORBES AVENUE			
SWM15	15	STORMWATER MANAGEMENT PLANS FIFTH AVE - STA 456+50 TO STA 458+50			
SWM16	16	STORMWATER MANAGEMENT PLANS FIFTH AVE - STA 458+50 TO STA 460+00			
SWM17	17	STORMWATER MANAGEMENT PLANS FIFTH AVE - STA 470+50 TO STA 472+50			
SWM18	18	STORMWATER MANAGEMENT PLANS FIFTH AVE - STA 474+50 TO STA 477+50			
SWM19	19	STORMWATER MANAGEMENT PLANS FIFTH AVE - STA 484+50 TO STA 486+50			
SWM20	20	STORMWATER MANAGEMENT PLANS FIFTH AVE - STA 488+00 TO STA 491+00			
SWM21	21	STORMWATER MANAGEMENT PLANS FIFTH AVE - STA 491+50 TO STA 493+50			
SWM22	22	STORMWATER MANAGEMENT PLANS FORBES AVE - STA 142+00 TO STA 144+00			
SWM23	23	STORMWATER MANAGEMENT PLANS FORBES AVE - STA 145+50 TO STA 147+50			
SWM24	24	STORMWATER MANAGEMENT PLANS FORBES AVE - STA 145+50 TO STA 147+50			
SWM25	25	STORMWATER MANAGEMENT PLANS FORBES AVE - STA 148+00 TO STA 150+50			
SWM26	26	STORMWATER MANAGEMENT PLANS FORBES AVE - STA 156+50 TO STA 158+00			
SWM27	27	STORMWATER MANAGEMENT PLANS FORBES AVE - STA 164+50 TO STA 166+00			
SWM28	28	STORMWATER MANAGEMENT PLANS FORBES AVE - STA 169+50 TO STA 171+50			
SWM29	29	STORMWATER MANAGEMENT PLANS FORBES AVE - STA 246+00 TO STA 248+50			
SWM30	30	STORMWATER MANAGEMENT PLANS BIOSWALE GRADING PLANS			
<u>PWSA GREEN INFRASTRUCTURE (GI) PLANS (CONT'D)</u>					



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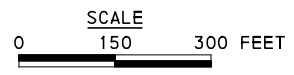
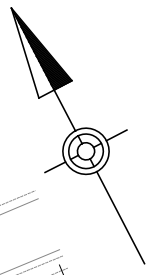
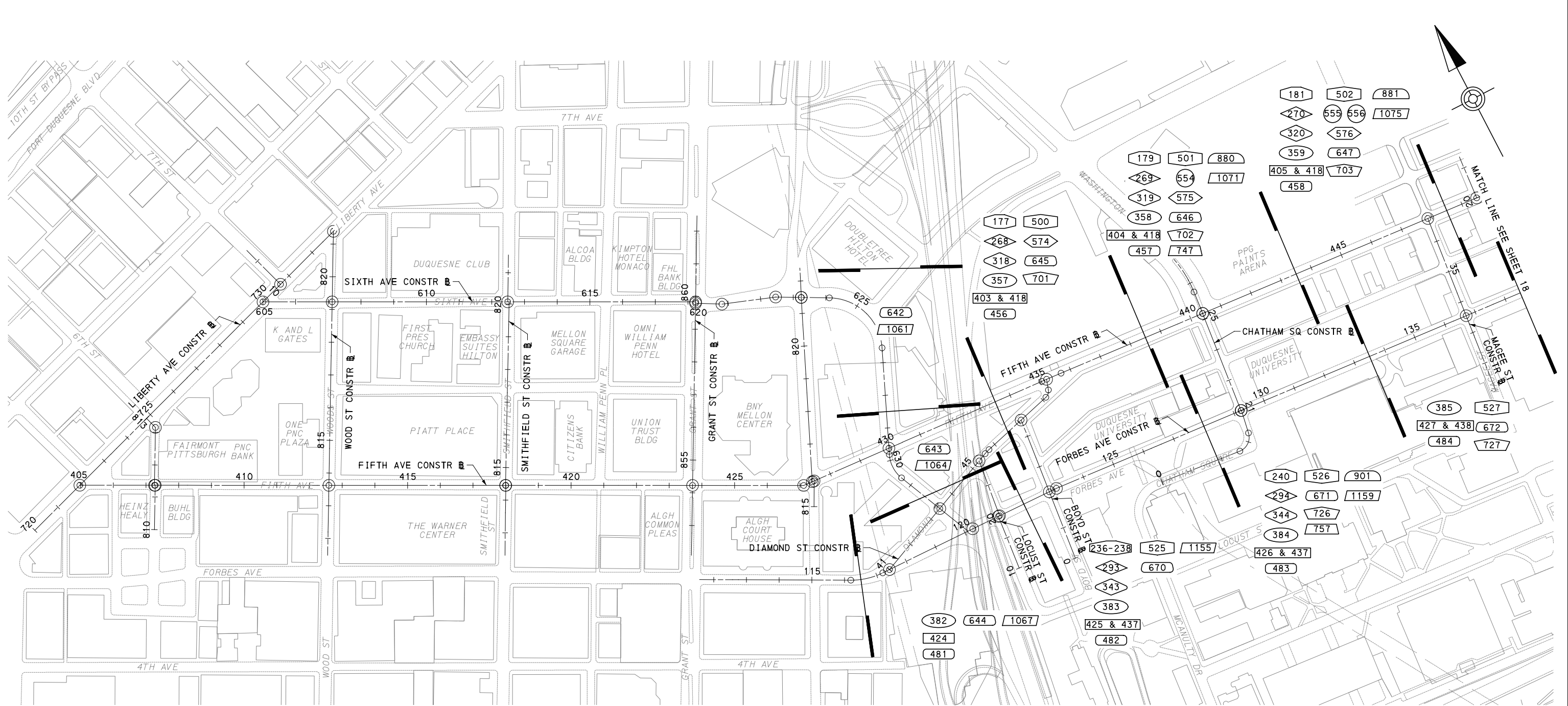
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IN CHARGE	LAR
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND	
INDEX OF DRAWINGS	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. GN16	SHT. 16



- LEGEND**
- INTERSECTION DETAILS
 - CIVIL LAYOUT PLANS
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 - ROADWAY PLANS
 - ROADWAY PROFILES
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 - CONTROL SYSTEMS PLANS
 - SIGNAL PLANS
 - STORMWATER MANAGEMENT PLANS
 - SHEET BREAK

FOR MAINTENANCE & PROTECTION OF TRAFFIC INDEX SEE SHEET 917

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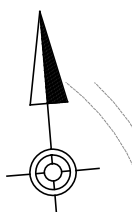
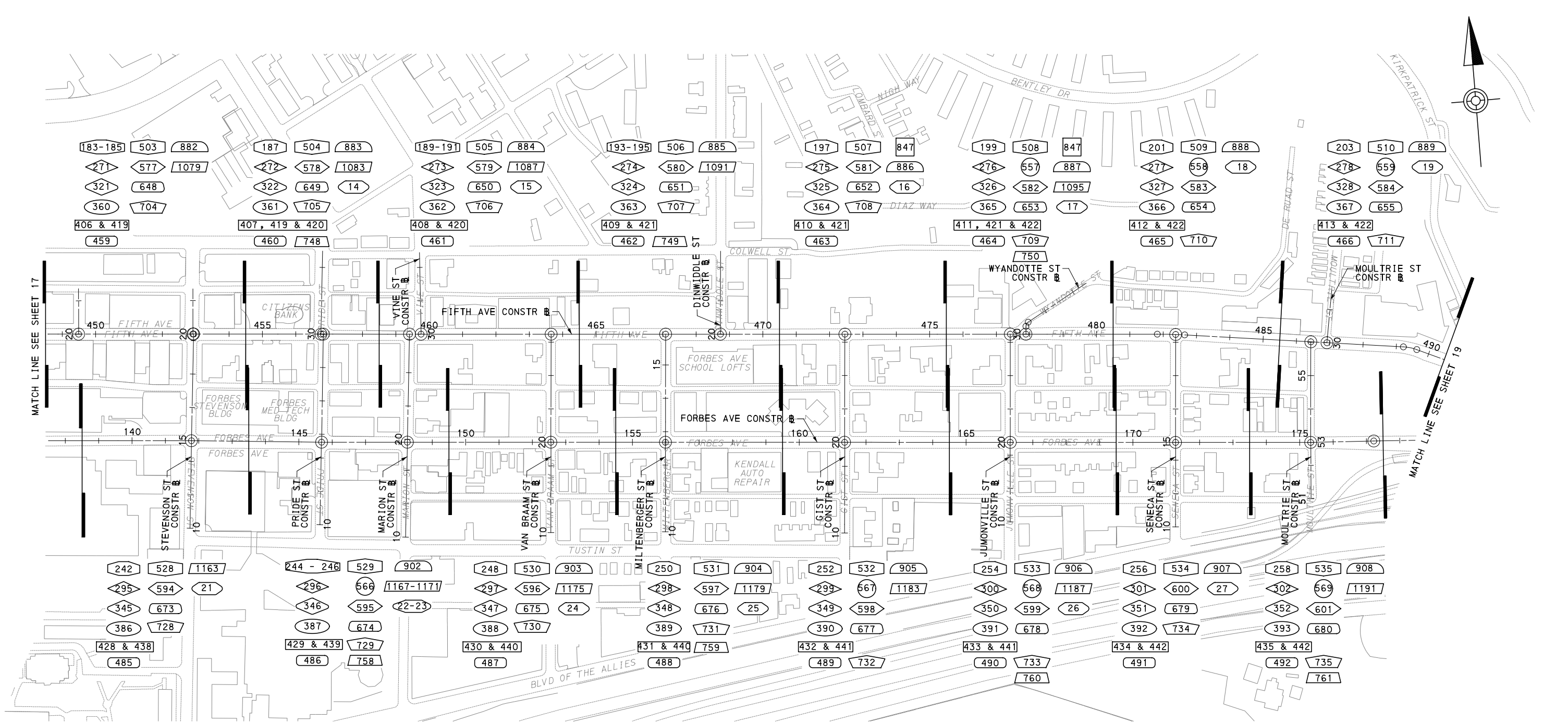
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 INDEX MAP
 DOWNTOWN TO UPTOWN

Port Authority
 connecting people to life

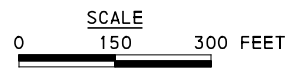
CONTRACT NO. BRT-001

DWG. NO.	GN17	SHT.	17
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LEGEND

INTERSECTION DETAILS	UTILITY PLANS	BUS STATION DRAINAGE TAP-IN PLANS
CIVIL LAYOUT PLANS	PWSA RELOCATION PLANS	CONTROL SYSTEMS PLANS
REMOVAL & ADJUSTMENTS PLANS	LANDSCAPING PLANS	SIGNAL PLANS
ROADWAY PLANS	SIGNING & PAVEMENT MARKING PLANS	STORMWATER MANAGEMENT PLANS
ROADWAY PROFILES	LIGHTING PLANS	SHEET BREAK
EROSION AND SEDIMENTATION CONTROL PLANS	ARCHITECTURAL PLANS	



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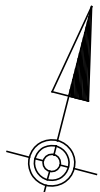
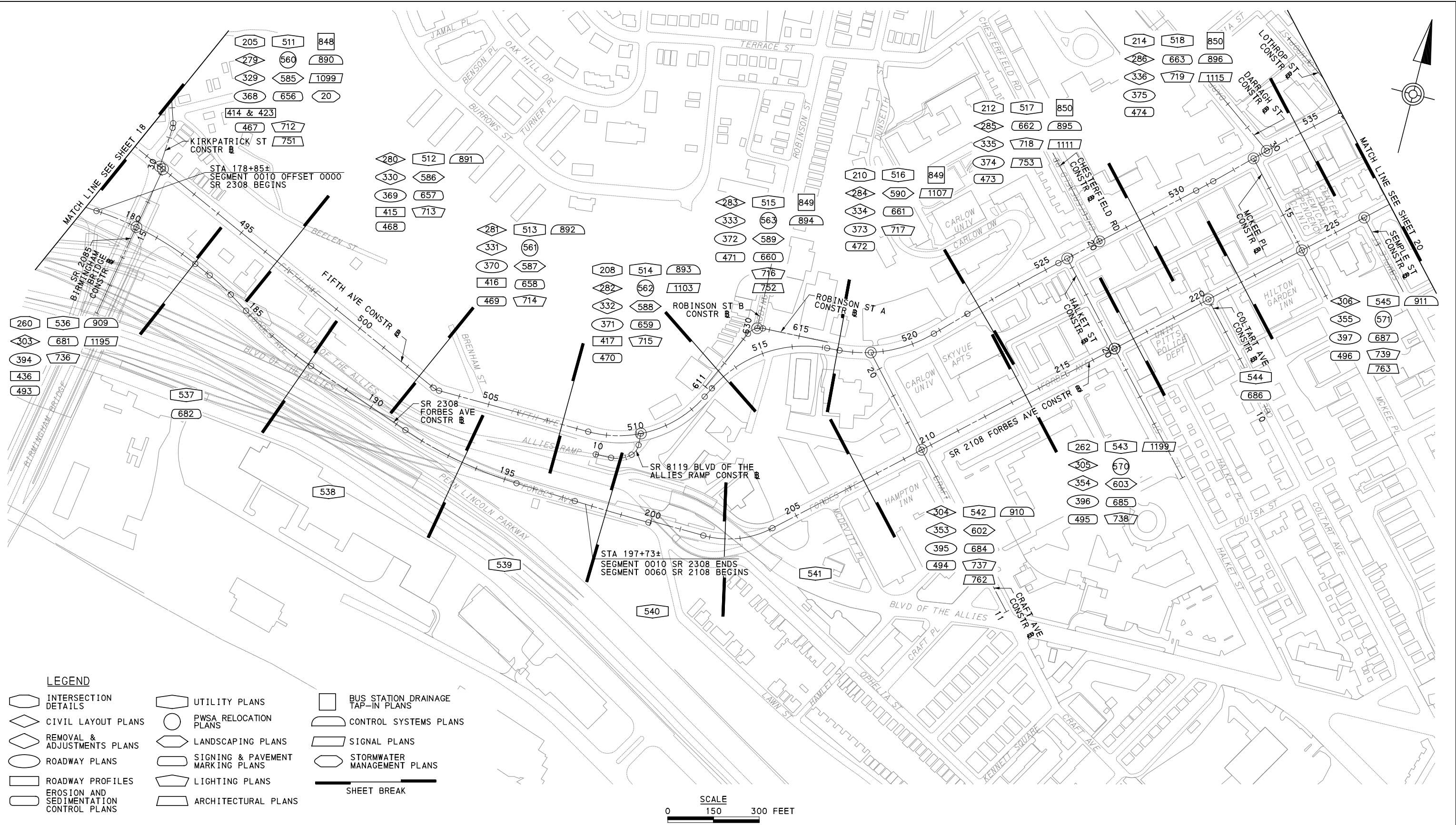
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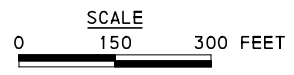
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 INDEX MAP UPTOWN

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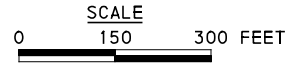
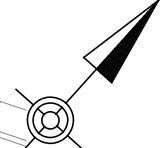
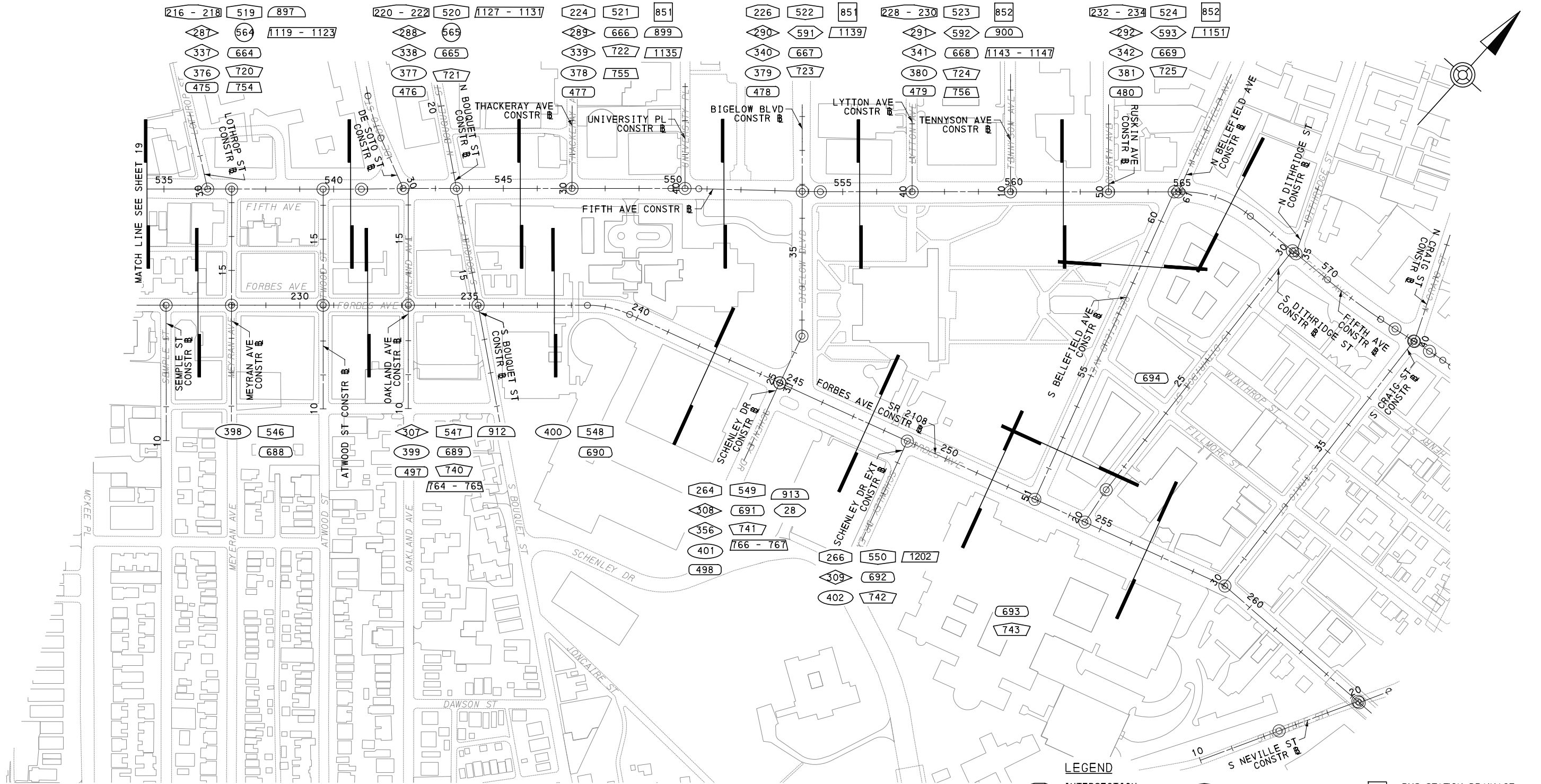
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BUS RAPID TRANSIT UPTOWN TO OAKLAND
 INDEX MAP
 UPTOWN TO OAKLAND

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CONTRACT NO. BRT-001	
DWG. NO. GN19	SHT. 19



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BUS RAPID TRANSIT UPTOWN TO OAKLAND

INDEX MAP
 OAKLAND

Port Authority connecting people to life™

CONTRACT NO. BRT-001

DWG. NO.	GN20	SHT.	20
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GENERAL NOTES

- NOTIFY THE CITY OF PITTSBURGH DEPARTMENT OF MOBILITY AND INFRASTRUCTURE SURVEY PARTY CHIEF AT 412-255-2517 AT LEAST FOURTY-EIGHT (48) HOURS IN ADVANCE OF ANY CONSTRUCTION WHICH MAY INVOLVE STREET MONUMENTS OR BENCHMARKS.
- THE PROJECT BASE MAPPING WAS PREPARED WITH THE USE OF LIDAR AND ON THE GROUND SURVEY MAPPING LOCATING CURB LINES, UTILITIES AND EXISTING CITY MONUMENTS.
- THE PROJECT BASE MAPPING HAS BEEN UPDATED TO ACCOUNT FOR ONGOING MODIFICATIONS TO THE SITE, TO THE EXTENT PRACTICAL. THE BASE MAPPING MAY NOT ACCURATELY DEPICT THE PROJECT SITE. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY PRIOR TO BEGINNING WORK.
- THE HORIZONTAL CONTROL IS BASED ON THE PENNSYLVANIA STATE PLANE COORDINATE SYSTEM (SPCS 83) (SOUTH SIDE) GEOID 12B. VERTICAL CONTROL IS BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88).
- COMBINED SCALE FACTOR IS 0.999916411 - FORBES AVE
COMBINED SCALE FACTOR IS 0.999919875 - FIFTH AVE
- ALL CURVE DATA IS BASED ON THE ARC DEFINITION UNLESS OTHERWISE NOTED.
- ALL FIELD SURVEYING THAT WAS PERFORMED WITH GPS WAS ON THE VRS NETWORK.
- ALL FIELD SURVEYING THAT WAS PERFORMED DOWNTOWN WAS DONE WITH ROBOTIC TOTAL STATION.
- DO NOT INTERFERE WITH THE OPERATION OF ANY FIRE HYDRANT, FIRE CALL BOX OR POLICE CALL BOX, UNLESS DIRECTED BY THE CONTRACT DRAWINGS OR THE ENGINEER.
- ALL DIMENSIONS ON CONTRACT DRAWINGS ARE MEASURED HORIZONTALLY, UNLESS OTHERWISE NOTED.
- ALL SIDEWALK AND ROADWAY SURFACE REPLACEMENTS SHALL BE CONSTRUCTED TO THE NEAREST EXISTING CONSTRUCTION JOINT AT OR BEYOND THE END OF CONSTRUCTION WITHIN LEGAL RIGHT-OF-WAY OR TEMPORARY CONSTRUCTION EASEMENT, EXCEPT AS NOTED ON THE CONTRACT DRAWINGS. CONCRETE PAVEMENT RECONSTRUCTION LIMITS HAVE BEEN ESTABLISHED TO THE NEAREST EXISTING PAVEMENT JOINT. SAW CUT CONCRETE PAVEMENT AS DIRECTED. PAVEMENT RECONSTRUCTION LIMITS TYING INTO EXISTING BITUMINOUS SURFACES WILL BE SAW CUT AND SEALED AS PER THE CONTRACT DRAWINGS.
- SLOPES DENOTED ON THESE DRAWINGS ARE SHOWN IN ENGLISH PROTOCOL AS 2:1. (TWO HORIZONTAL TO ONE VERTICAL).
- CONSTRUCT CURB TO MATCH EXISTING SIDE STREET CURB. CONSTRUCT SIDEWALKS FLUSH WITH TOP OF CURB UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ALWAYS ASSUME THE EXISTING UTILITY CONDUITS ARE ACTIVE. UTILITIES IDENTIFIED AS ABANDONED SHALL BE CONFIRMED WITH FACILITY OWNER BEFORE ANY WORK IS PERFORMED.
- UTILITIES SHOWN ON THE DRAWINGS REPRESENT THE EXTENT OF UTILITIES WHICH MAY BE IMPACTED BY CONSTRUCTION, NOT THE TOTAL EXTENT OF THE RESPECTIVE UTILITIES.
- THE CONTRACTOR SHALL BE AWARE THAT PORTIONS OF THE WORK ARE IN CLOSE PROXIMITY TO EXISTING BASEMENT WALLS AND UTILITY STRUCTURES. PERFORM EXPLORATORY INVESTIGATIONS AS DETAILED IN THE TECHNICAL PROVISIONS. IN THE EVENT THE LOCATION OF THE EXISTING STRUCTURES IS WITHIN THE PROPOSED CONSTRUCTION OR THE PROPOSED CONSTRUCTION ADVERSELY AFFECTS THE BASEMENT WALL OR VAULT OR UTILITY, CONTACT THE ENGINEER IMMEDIATELY.
- THE LIMITS OF WORK ARE INDICATED ON THE SHEET INDEX PLANS. PLAN SHEETS FOR EACH DISCIPLINE ARE MEANT TO COVER THE WORK NECESSARY FOR THAT DISCIPLINE. THEREFORE, IF THERE IS NO WORK FOR A PARTICULAR DISCIPLINE ON A PLAN SHEETS, THEN THAT PLAN SHEET MAY HAVE BEEN OMITTED.
- CONTROL POINTS FOR THE CONSTRUCTION OF EACH PAAC STATION HAVE BEEN ESTABLISHED AND A BENCHMARK HAS BEEN SET. USE STATION CONTROL POINTS DRAWINGS THAT SHOW THE REFERENCE TIES FOR EACH CONTROL POINT IN THE EVENT THE BENCHMARKS ARE DISTURBED OR REMOVED PRIOR TO CONSTRUCTION OF THE PAAC STATION.
- CONTRACTOR IS RESPONSIBLE FOR SETTING THE BRT STATION ACCURATELY TO WITHIN 0.01' HORIZONTALLY AND WITHIN 0.01' VERTICALLY.
- STATE ROUTES INCLUDE:
SR 2108 (FORBES AVE)
SR 2308 (FORBES AVE)
SR 2085 (BIRMINGHAM BRIDGE)
SR 8119 (BLVD OF THE ALLIES RAMP)
ALL OTHER STREETS IN THE PROJECT ARE CITY STREETS.
- MANHOLE & VAULT COVERS SHOULD NOT BE LOCATED ON PAVEMENT JOINT. COORDINATE JOINT LAYOUT WITH THE CONSTRUCTION & UTILITY PLANS.
- TEMPORARY CONSTRUCTION EASEMENT. AN EASEMENT TO USE THE LAND DURING CONSTRUCTION OF THE PROJECT. THE EASEMENT IS REQUIRED ONLY UNTIL THE CONSTRUCTION OR WORK INDICATED BY THE PLAN IS COMPLETED, UNLESS SOONER RELINQUISHED IN WRITING BY THE AUTHORITY. SEE APPENDIX B FOR ADDITIONAL REQUIREMENTS.
- TEMPORARY CONSTRUCTION EASEMENT LINES SHOWN ON THE PLANS HAVE BEEN OFFSET A SET DISTANCE FROM THE LIMIT OF PHYSICAL WORK. THIS DOES NOT GIVE THE RIGHT TO ENTER A BUILDING, MODIFY A BUILDING, STEPS, PLANTER WALL OR RETAINING WALL, NOR ENTER OR MODIFY A LANDSCAPE AREA, UNLESS APPROVED BY THE ENGINEER, IN WRITING.
- PRIVATE PROPERTY LINES WERE NOT SURVEYED BY THE PROFESSIONAL LAND SURVEYOR RESPONSIBLE FOR THE PROJECT AND ARE FOR INFORMATION ONLY. THEIR ACCURACY IS NOT GUARANTEED.
- SEE CONTRACT APPENDIX B "RIGHT-OF-WAY TRACKER" FOR RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION EASEMENT PLATS.
- CONFINE OPERATIONS WITHIN CITY OF PITTSBURGH RIGHT-OF-WAY INCLUDING TEMPORARY CONSTRUCTION EASEMENTS. THE CONTRACTOR'S WORK WILL ENCROACH WITHIN PENNSYLVANIA DEPARTMENT OF TRANSPORTATION EXISTING LEGAL RIGHT-OF-WAY.
- THIS IS A FEDERAL AID PROJECT AND AS SUCH IS SUBJECT TO INSPECTION BY REPRESENTATIVES OF THE FEDERAL GOVERNMENT.
- ALL WORK DONE UNDER THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- ALL UTILITIES SHOWN ARE QUALITY LEVEL "D" (QL-D) UNLESS OTHERWISE NOTED.
- THREE WORKING DAYS PRIOR TO EXCAVATION, CALL THE PA ONE CALL SYSTEM, INC. 1-800-242-1776
- UTILITY SIZE SHOWN HEREON IS TAKEN FROM UTILITY RECORDS.
- UTILITY DEPTHS NOTED OR SHOWN ON CROSS SECTIONS ARE BASED UPON UTILITY OWNER ESTIMATED DEPTHS. ACTUAL FIELD CONDITIONS MAY VARY. THE CONTRACTOR SHALL VERIFY ACTUAL FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- PRIOR TO EXCAVATION ON ADJACENT PROPERTIES, CONTACT PROPERTY OWNERS TO DETERMINE UTILITY LOCATIONS.
- THE ORIGINAL SURVEYING INFORMATION WAS COMPLETED IN 2017 AS A MOBILE LIDAR. AWK ENGINEERS COMPLETED TRADITIONAL SUPPLEMENTAL SURVEY IN OCTOBER 2019, MARCH 2020, JUNE 2020 AND OCTOBER 2022. CONTACT THE ENGINEER FOR ADDITIONAL DETAILS.
- WORK PERFORMED ON STATE ROADS 2108, 2308, 2085 AND 8119 ARE PERMITTED UNDER PENNSYLVANIA DEPARTMENT OF TRANSPORTATION HIGHWAY OCCUPANCY PERMIT #11059300.

RNA (ROADWAY NOTIFICATION AND APPROVAL) - 21 DAYS PRIOR TO START OF WORK: 1) RNA FORM MUST BE SUBMITTED VIA EMAIL TO PERMIT SUPERVISOR AND THOSE LISTED ON THE RNA FORM. THE RNA FORM AND IT'S INSTRUCTIONS ARE IN THE ATTACHMENTS SECTION OF THE HOP.

DETAILS OTHER THAN THOSE INDICATED ARE ON THE FOLLOWING STANDARD DRAWINGS

PENNSYLVANIA DEPT OF TRANSPORTATION STANDARD DRAWINGS		
RC-10M	JUNE 1, 2010	CLASSIFICATION OF EARTHWORK
RC-13M	JUNE 1, 2010	PAY LIMIT OF SUBBASE
RC-20M	NOV 1, 2022	CONCRETE PAVEMENT JOINTS
RC-21M	JUNE 1, 2010	REINFORCED CONCRETE PAVEMENT
RC-26M	NOV 30, 2021	CONCRETE PAVEMENT REHABILITATION
RC-27M	NOV 30, 2021	PLAIN CONCRETE PAVEMENT
RC-28M	SEPT 1, 2023	OVERLAY TRANSITIONS AND PAVING NOTCHES
RC-30M	FEB 27, 2023	SUBSURFACE DRAINS
RC-32M	JUNE 1, 2010	SLOPE PIPE FITTINGS, PIPE CONNECTORS AND CONCRETE COLLAR FOR PIPE EXTENSION
RC-38M	SEPT 15, 2016	SANITARY SEWER MANHOLES
RC-39M	NOV 30, 2021	STORM WATER MANHOLES
RC-45M	FEB 19, 2021	INLET TOPS, GRATES AND FRAME
RC-46M	FEB 19, 2021	INLET BOXES
RC-57M	SEPT 1, 2023	CONCRETE MEDIAN BARRIER
RC-64M	FEB 19, 2021	CURBS AND GUTTERS
RC-65M	DEC 17, 2019	CONCRETE MOUNTABLE CURBS
RC-67M	FEB 19, 2021	CURB RAMPS AND SIDEWALKS
RC-70M	FEB 8, 2019	PERIMETER CONTROL DEVICES
RC-71M	AUG 4, 2017	SEDIMENT BASIN AND SEDIMENT TRAP
RC-72M	FEB 8, 2019	INLET AND OUTLET PROTECTION
RC-77M	DEC 17, 2019	ROCK CONSTRUCTION ENTRANCE
RC-80M	NOV 1, 2022	HIGHWAY LIGHTING - CONVENTIONAL LIGHTING
RC-82M	JUNE 1, 2010	HIGHWAY LIGHTING - JUNCTION BOXES - HEAVY DUTY
RC-83M	NOV 1, 2022	HIGHWAY LIGHTING - HIGH MAST LIGHTING
RC-84M	JUNE 1, 2010	HIGHWAY LIGHTING - LIGHTING AND ELECTRICAL DETAILS
RC-91M	DEC 17, 2019	BRACING AND PLANTING DETAILS
RC-92M	JUNE 1, 2010	REMOVAL LIMITS OF TREE TRIMMING
BC-736	JAN 31, 2019	REINFORCEMENT BAR FABRICATION DETAILS
TC-8600	JUNE 13, 2013	PAVEMENT MARKINGS (EXPRESSWAY/FREEWAY, CONVENTIONAL, LEGENDS & SYMBOLS)
TC-8604	AUG 17, 2021	DELINIATION
TC-8700C	JUNE 13, 2013	SPACING CHARTS/DIRECT APPLIED LETTERS, NUMERALS & ARROWS
TC-8701S	JUNE 13, 2013	FLAT SHEET ALUMINIUM SIGNS
TC-8702B	JUNE 13, 2013	POST-MOUNTED SIGNS, TYPE B
TC-8715	JUNE 13, 2013	SIGN LIGHTING
TC-8716	JUNE 13, 2013	TYPE III BARRICADE
TC-8717	JUNE 13, 2013	TEMPORARY PORTABLE SIGN POST, "H" BASE AND "X" BASE
TC-8801	DEC 12, 2011	TRAFFIC SIGNAL SUPPORT
TC-8802	DEC 12, 2011	CONTROLLER ASSEMBLY
TC-8803	DEC 12, 2011	MISCELLANEOUS
TC-8804	DEC 12, 2011	ELECTRICAL DISTRIBUTION
TC-8805	DEC 12, 2011	SIGNAL HEADS
TC-8806	DEC 12, 2011	DETECTORS

CITY OF PITTSBURGH - DEPARTMENT OF PUBLIC WORKS - DEPARTMENT OF MOBILITY AND INFRASTRUCTURE	
CTY SERIES (2008)	
RIGHT-OF-WAY PROCEDURES MANUAL (MAY 1, 2022)	
RIGHT-OF-WAY PROCEDURES POLICY (JUNE 1, 2017)	
PL-200	STREET TREE ROOT ZONE REQUIREMENTS
SC-500	REINFORCED CONCRETE SIDEWALK
SC-501A	BITUMINOUS PAVEMENT FOR PRIMARY AND SECONDARY STREETS
SC-501B	GRANITE CURB
SC-502A	TYPE 1 CURB RAMP, 6' SIDEWALK
SC-502B	TYPE 1 CURB RAMP, 5' SIDEWALK
SC-502C	TYPE 2 CURB RAMP, 4' LANDING
SC-502D	TYPE 2 CURB RAMP, 3' LANDING
SC-502E	TYPE 3 CURB RAMP, 4' LANDING
SC-502F	TYPE 3 CURB RAMP, 3' LANDING
SC-502G	TYPE 4 CURB RAMP
SC-502H	TYPE 100 CURB RAMP, 4' LANDING
SC-502I	TYPE 100 CURB RAMP, 3' LANDING
CITY OF PITTSBURGH STANDARDS OF CONSTRUCTION (JULY 1, 1993)	
SA-200	STREET PAVEMENTS - TREATMENT AT CURB
SA-202	TRENCH REPAVING DETAILS
SC-300	GRANITE CURB DETAILS
SC-501	BRICK AND RUSTIC TERRAZZO SIDEWALK
SO-100	INSTALLATION OF SURVEY MONUMENT
CITY OF PITTSBURGH STANDARD DETAILS OF CONSTRUCTION (NOV 2008)	
SA-100	JOINT PATTERNS
SA-101	JOINT DETAILS
SA-102	REINFORCING DETAILS

DUQUESNE LIGHT COMPANY STANDARD DRAWINGS	
60912	VAULT LADDER DETAILS (OHSAs) - REV 10
62142	STRUCTURAL DESIGN & SECTIONS OF 5' X 9' HATCH - REV 3
62143	STRUCTURAL DESIGN & DETAILS (SET - A) - REV 9
62144	STRUCTURAL DESIGN & SECTIONS OF 6' X 12' HATCH - REV 3
62181	STRUCTURAL DESIGN & SECTIONS OF 2' - 11 1/8" X 3' - 3 3/4" HATCH - REV 2

PITTSBURGH WATER & SEWER AUTHORITY	
PWSA STANDARD DETAILS FOR WATER TAP-INS (RECEIVED FEB 2024)	



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DWG. NO.	GN21	SHT. 21

LIST OF PUBLIC UTILITIES

OWNER	LINestyle	ADDRESS	REPRESENTATIVE	TELEPHONE	EMAIL ADDRESS	OWNER	LINestyle	ADDRESS	REPRESENTATIVE	TELEPHONE	EMAIL ADDRESS
ALLEGHENY CITY ELECTRIC		3080 BABCOCK BLVD. PITTSBURGH, PA 15237	TOM ULIZZI	412-931-0777	412-931-0777	PITTSBURGH WATER AND SEWER AUTHORITY (PSWA)	EXISTING — W —	1200 PENN AVENUE PITTSBURGH, PA 15222	ANA BENNETT	412-255-8800 (EXT. 8035)	AFLORES@PGH20.COM
ALLEGHENY COUNTY SANITARY AUTHORITY		3300 PREBLE AVENUE PITTSBURGH, PA 15233	JEFFREY CZOCHERA	412-766-4810	JEFFREY.CZOCHARA@ALLEGHENYCOUNTY.COM		— W — PROPOSED		DARBY NEIDIG	412-255-8800 (EXT. 8981)	DNEIDIG@PGH20.COM
AT&T ATLANTA LONG DISTANCE (COMMUNICATION)		2500 ALLEGHENY CENTER PITTSBURGH, PA 15212	JAMES SCHRENK	412-316-9930	JS9723@ATT.COM	PITTSBURGH UNIVERSITY MEDICAL CENTER (PUH)		200 LOTHROP STREET PITTSBURGH, PA 15213	MARGARET BELL	412-647-8762 (EXT. 5548)	BELLMD@UPMC.EDU
AT&T LOCAL SERVICES (COMMUNICATION)		2500 ALLEGHENY CENTER PITTSBURGH, PA 15212	MIKE HUDDLESTON PAT SUTTON	724-622-7196 814-321-6470	MHUDDLESTON@MBAKERINTL.COM PS4364@ATT.COM	PITTSBURGH REGIONAL TRANSIT		HEINZ 57 BUILDING 345 SIXTH AVE, 6TH FLOOR PITTSBURGH, PA 15222	DENISE OTT	412-566-5379	DOTT@RIDEPT.ORG
CARLOW UNIVERSITY		3333 FIFTH AVENUE PITTSBURGH, PA 15213	DANIEL HALL	412-578-6591	DJHALL@CARLOW.EDU	UNIVERSITY OF PITTSBURGH	— CW2 — — ST2 —	UNIVERSITY OF PITTSBURGH, FACILITIES MANAGEMENT, 3400 FORBES AVE, PITTSBURGH, PA 15260	PAT BIGLEY	412-383-4287	PRB11@PITT.EDU
CARNEGIE MELLON UNIVERSITY (COMMUNICATION/STEAM)		5000 FORBES AVENUE PITTSBURGH, PA 15213	ANDREW REILLY	412-268-8904	AREILLY@ANDREW.CMU.EDU		ASHELY DONALDSON		412-383-4287	AID140@PITT.EDU	
LUMEN (FORMERLY CENTURYLINK) (FORMERLY QWEST COMMUNICATION)		6230 OLD DOBIN LANE SUITE 140 COLUMBIA, MD 21045	DAVID BINGER	301-361-3517 240-216-8325	DAVID.BINGER@LUMEN.COM	VERIZON	— TU —	AERIAL 501 HOLIDAY DRIVE PITTSBURGH, PA 15220	CHRISTOPHER HAWK	412-688-7126	CHAWK@PIKE.COM
CITY OF PITTSBURGH	— EU1 —	DEPARTMENT OF MOBILITY AND INFRASTRUCTURE (DOMI) 414 GRANT ST PITTSBURGH, PA 15219	BRIAN RALSTON	412-389-4505	BRIAN.RALSTON@PITTSBURGH.PA.GOV			AERIAL/UNDERGROUND 508 OLD FRANKSTOWN ROAD MONROEVILLE, PA 15146	DANIEL BARRON	412-237-2291 412-529-9266	DANIEL.BARRON@VERIZON.COM
		PITTSBURGH BUREAU OF FIRE 200 ROSS STREET, 5TH FLOOR PITTSBURGH, PA 15219	STEVEN AUTERMAN	412-523-7516	STEVEN.AUTERMAN@PITTSBURGH.PA.GOV			WIRELESS 7575 COMMERCE COURT LEWIS CENTER, OH 43035	MICHAEL BONDY	614-359-8773	MICHAEL.BONDY@VERIZONWIRELESS.COM
		DEPARTMENT OF PUBLIC SAFETY ADMINISTRATION 414 GRANT STREET, SUITE 400 PITTSBURGH, PA 15219	DENNY ROBINSON (LIGHTING)	412-255-2728	DENNY.ROBINSON@PITTSBURGH.PA.GOV						
CLEARWAY ENGERY	— CEU — — CW1 — — ST1 —	900 WALNUT STREET HARRISBURG, PA 17101	BRIAN RALSTON	412-389-4505	BRIAN.RALSTON@PITTSBURGH.PA.GOV						
		1339 OUR WAY PITTSBURGH, PA 15219	STEVEN AUTERMAN	412-523-7516	STEVEN.AUTERMAN@PITTSBURGH.PA.GOV						
COMCAST CABLEVISION (COMMUNICATION)	— C —	1530 CHARTIES AVENUE PITTSBURGH, PA 15204	CHRISTOPHER SKERTICH	412-255-2863	CHRISTOPHER.SKERTICH@PITTSBURGH.PA.GOV						
			DANIEL R. SHAK	412-255-8977	DANIEL.SHAK@PITTSBURGH.PA.GOV						
CROWN CASTLE (COMMUNICATION)	— FOU2 —	2000 CORPORATE DRIVE CANONSBURG, PA 15317	BARD RUPP	717-920-8273	BARD.RUPP@CLEARWAYENERGY.COM						
			BRIAN SARTI	412-231-0409	BRIAN.SARTI@CLEARWAYENERGY.COM						
DUQUESNE LIGHT COMPANY (ELECTRIC)	EXISTING — EU — — EU — PROPOSED	2825 NEW BEAVER AVENUE PITTSBURGH, PA 15233	ROBERT PIRAINO	412-875-1104	ROBERT.PIRAINO@COMCAST.COM						
			MATT WEST	928-899-8655	MATTHEW.WEST2@CABLECOMCAST.COM						
DQE COMMUNICATIONS, LLC		424 S 27TH STREET PITTSBURGH, PA 15203	ROBERT PACHOLARZ	732-718-9078	ROBERT.PACHOLARZ@CROWNCastle.COM						
PEOPLE'S NATURAL GAS	EXISTING — G — — G — PROPOSED	SUITE 400 375 N SHORE DRIVE PITTSBURGH, PA 15212	PATTY NAGLE	412-414-2818	PNAGLE@DUQLIGHT.COM						
		4536 ROUTE 136, SUITE 1 GREENSBURG, PA 15601	JIM RUNATZ	412-393-7813	JRUNATZ@DUQLIGHT.COM						
EXTENET SYSTEMS		5844 JOHN HICKMAN PKWY SUITE 600 FRISCO, TX 75034	ADAM NULPH	724-919-7258	ACNULPH@DQE.COM						

RECORD OF EXISTING ROAD TYPES

NOTE: THE DEPTHS OF MATERIAL SHOWN ARE FOR DESIGN PURPOSES ONLY. RECENT CONSTRUCTION IN THE PROJECT AREA MAY HAVE MODIFIED THE EXISTING PAVEMENT STRUCTURE FROM WHAT IS SHOWN IN THIS TABLE, INCLUDING TYPE AND DEPTH OF PAVEMENT LAYERS. ANY RISK OF UNANTICIPATED COSTS ASSOCIATED WITH DIFFERENCES BETWEEN THE LISTED DEPTHS AND THE ACTUAL DEPTHS SHALL BE ACCEPTED BY THE CONTRACTOR.

FIFTH AVE STA 434+00 TO STA 491+16 (DIAMOND ST TO SR 2085 BIRMINGHAM BRIDGE)	5" ASPHALT ON 5" BLOCKSTONE ON 6" CONCRETE
FIFTH AVE STA 491+16 TO STA 509+83 (SR 2085 BIRMINGHAM BRIDGE TO SR 8119 BLVD OF THE ALLIES RAMP)	13" ASPHALT ON 5" CONCRETE
FIFTH AVE STA 551+70 TO STA 553+10 (UNIVERSITY PL TO BIGELOW BLVD)	16" ASPHALT
FIFTH AVE STA 553+50 TO STA 564+89 (BIGELOW BLVD TO BELLEFIELD AVE)	17" ASPHALT
FORBES AVE STA 121+29 TO STA 180+64 (DIAMOND ST TO SR 2085 BIRMINGHAM BRIDGE)	5" ASPHALT ON 5" BLOCKSTONE ON 6" CONCRETE
FORBES AVE STA 214+00 TO STA 216+65 (CRAFT AVE TO HALKET ST)	9" ASPHALT ON 9" CONCRETE

PA. ONE CALL SERIAL NO.

20172921587	20172921588	20172921589	20172921590
20172921650	20172921694	20172921695	20172921696
20172921753	20172921754	20172921784	20172921793
20172921879	20172921880	20172922542	20172922543
20172922597	20172922598	20172922632	20172922633
20172922672	20172922673	20172922740	20172922769
20172922839	20172922840	20172922895	20172922958
20172922988	20172923026	20172923038	20172932425
20172932450	20172932464	20172932482	20172932495
20172932515	20172932540	20172932558	20172932604
20172932612	20172932623	20180781981	20180781983
20180781984	20180782136	20180782663	20180782664
20180782665	20180782839	20180851205	20180851206
20180851208	20180851209	20180851210	20180851211
20180852370	20180852375	20180852392	20180852394
20180852397	20180852400	20180852454	20180852455
20180852503	20180871631	20180871632	20180871659
20180871660	20180871671	20180871672	20180871673
20180871698	20180871699	20180871734	20180872562
20180872583	20180872612	20180872636	20180872663
20180872683	20180872708	20180872729	20180872730
20180872731	20180920511	20180920530	20180920574
20180920582	20180920597	20180920625	20180920626
20180920637	20180920638	20180920686	20180920728
20190071210	20190071211	20190071582	20190071988
20190100645	20190571912	20190571913	20223420676

PA. ONE CALL PHONE NUMBER 1-800-242-1776

THE PERMITTEE MUST CONTACT THE PENNSYLVANIA ONE-CALL SYSTEM AT 1-800-242-1776 AT LEAST THREE WORKING DAYS PRIOR TO THE START OF EXCAVATION OR DEMOLITION WORK TO HAVE ALL UNDERGROUND UTILITIES MARKED IN THE WORK AREA.



Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219

NO.	DATE	DESCRIPTION
		REVISIONS

THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE FEDERAL TRANSIT ADMINISTRATION, U.S. DEPARTMENT OF TRANSPORTATION, UNDER THE URBAN MASS TRANSPORTATION ACT OF 1984, AS AMENDED, FOR THE PORT AUTHORITY OF ALLEGHENY COUNTY, PENNSYLVANIA.

(NOT FOR CONSTRUCTION)

DESIGNED	SS
DRAWN	JMS
CHECKED	TKF
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
GENERAL NOTES,
LIST OF PUBLIC UTILITIES AND PA ONE CALLS

Port Authority
connecting people to life™

CONTRACT NO. BRT-001
DWG. NO. GN22
SHT. 22

A	
ABD.	ABANDONED
A.F.F.	ABOVE FINISHED FLOOR
ABUT.	ABUTMENT
A.DR.	ACCESS DOOR
A.P.	ACCESS PANEL
ACCEL.	ACCELERATION
ACOUST.	ACOUSTICAL
ADD.	ADDITION
ADD' L	ADDITIONAL
ADJ.	ADJUSTING OR ADJUSTABLE
P.M.	AFTERNOON
AGGR.	AGGREGATE
AHD.	AHEAD
AC	AIR CONDITIONING
ACU	AIR CONDITIONING UNIT
A.V.	AIR VALVE
ALIGN.	ALIGNMENT
AB	ALIGNMENT BEARING
ALLOW.	ALLOWANCE
ALUM.	ALUMINUM
ALT.	ALTERNATE
A.C.	ALTERNATING CURRENT
AMP	AMPERE
∠	ANGLE
ANT.	ANTENNA
AMT.	AMOUNT
APPL.	APPLICATION
APPR.	APPROACH
APP' D.	APPROVED
APPROX.	APPROXIMATE
ARCH.	ARCHITECTURAL
A	AREA
A.D.	AREA DRAIN
A.C.D.	ASBESTOS CEMENT DUCT (CONDUIT)
A.C.P.	ASBESTOS CEMENT PIPE
ASPH.	ASPHALT
ASSY.	ASSEMBLY
ASST.	ASSISTANT
ASSOC.	ASSOCIATE
ASSN.	ASSOCIATION
AT	AUTOMATIC
AUTO.	AUTOMATIC AIR VALVE
A.A.V.	AUTOMATIC TEMPERATURE CONTROL
A.T.C.	AUTOMATIC TEMPERATURE CONTROL
AUX.	AUXILIARY
AVE.	AVENUE
AVG.	AVERAGE
A.W.G.	AMERICAN WIRE GAUGE

B CONT' D.	
B/D	BOTTOM OF DUCT
B/P	BOTTOM OF PANEL
B/S	BOTTOM OF STAKE
B.H.	BORE HOLE
BLVD.	BOULEVARD
BDY.	BOUNDARY
B.I.G.	BREAK IN GRADE
BRK.	BRICK
BRKR.	BREAKER
BRKT.	BRACKET
B.M.U.	BRICK MASONRY UNIT
BRN.	BROWN
BLDG.	BUILDING
B.L.	BUILDING LINE
B.U.	BUILT-UP
BLKHD.	BULKHEAD

C	
cd	CANDELA
CLKG.	CAULKING
CAP.	CAPACITY
C.I.	CAST IRON
C.I.P.	CAST IRON PIPE
C-I-P	CAST-IN-PLACE
CAT.	CATALOG
CAT	CATENARY
C.B.	CATCH BASIN
CLG.	CEILING
C.D.	CEILING DIFFUSER
*C	CELSIUS
CEM.	CEMENT
C.T.B.	CEMENT TREATED BASE
CEM	CEMETERY
CTR.	CENTER
CTRS.	CENTERS
∅	CENTER LINE
C TO C	CENTER TO CENTER
C.G.	CENTER OF GRAVITY
CH.	CHAIN
CHAM.	CHAMFER
CHG.	CHANGE
CHKD.	CHECKED
CH	CHURCH
CIR.	CIRCLE OR CIRCULAR
CKT.	CIRCUIT
C/B	CIRCUIT BREAKER
C/P	CITY OF PITTSBURGH
CL.	CLASS
CO	CLEAN OUT
C.O.D.	CLEAN OUT DOOR
CLR.	CLEAR OR CLEARANCE
CTD.	COATED
COEF.	COEFFICIENT
C.G.C.	COLUMBIA GAS COMPANY
COL.	COLUMN
COMB.	COMBINATION
COMB. S.	COMBINATION SEWER
COMM.	COMMUNICATION
COMP.	COMPUTATION
CONC.	CONCRETE
C.G.	CONCRETE GUTTER
C.P.	CONCRETE PIPE
C.M.U.	CONCRETE MASONRY UNIT
CON.	CONDENSER
COND.	CONDITION
COND	CONDUCTOR
CONN.	CONNECTION OR CONNECT
CONSTR	CONSTRUCT OR CONSTRUCTION
C.J.	CONSTRUCTION JOINT
CONT' D.	CONTINUED
CONT.	CONTINUOUS OR CONTINUATION
CONTR.	CONTRACTION
CONT' R.	CONTRACTOR
CRC	CONTINUOUSLY REINFORCED CONCRETE
C.JT.	CONTROL JOINT
C.P.	CONTROL PANEL
CC	CONTROL CABINET
COORD.	COORDINATE
CW.	COPPERWELD (SURVEY MARKER)
COR.	CORNER
CORR.	CORRUGATED
C.G.S.P.	CORRUGATED GALVANIZED STEEL PIPE

C CONT' D.	
C.M.	CORRUGATED METAL
C.M.P.	CORRUGATED METAL PIPE
CTR.	COUNTER
CSK.	COUNTERSUNK
CO.	COUNTY OR COMPANY
CPLG.	COUPLING
CRSE.	COURSE
C.C.J.	CRACK CONTROL JOINT
X-RD.	CROSS ROAD
X-SECT.	CROSS SECTION
CR.	CRUSHED
CU.	CUBIC
C.F. OR CU.FT.	CUBIC FOOT
CFS	CUBIC FEET PER SECOND
CFM	CUBIC FEET PER MINUTE
C.I. OR CU.IN.	CUBIC INCH
C.Y. OR CU.YD.	CUBIC YARD
C&G	CURB & GUTTER
CUR.	CURRENT
C.L.F.	CURRENT LIMITING FUSE
C	CUT

D	
DPR.	DAMPER
D.L.	DEAD LOAD
DEFL.	DEFLECTION
DEG. OR °	DEGREE
Δ	DELTA
DEPT.	DEPARTMENT
DPW	DEPT. OF PUBLIC WORKS (C/P)
DET.	DETAIL
DWS	DETECTABLE WARNING SURFACE
DSGN.	DESIGN
DIAG.	DIAGONAL
DIA. OR ∅	DIAMETER
DIAG.	DIAGRAM
DIAP.	DIAPHRAGM
DIM.	DIMENSION
DIR.	DIRECTIONAL OR DIRECT
DISC.	DISCONNECT
DIST.	DISTANCE
DP	DISTRIBUTION PANEL
DR.	DOOR
DBL.	DOUBLE
DWLS.	DOWELS
DR.	DRAIN
DN.	DOWN
DWNSTRE.	DOWNSTREAM
D.I.	DRAIN INLET
DWG.	DRAWING
DWGS.	DRAWINGS
DR	DRIVE
DRWY.	DRIVE WAY
DP. I.	DROP INLET
D.I.P.	DUCTILE IRON PIPE
D.L.C.	DUQUESNE LIGHT COMPANY
DWLG.	DWELLING

E	
EA.	EACH
E.F.	EACH FACE
E.W.	EACH WAY
ESMT.	EASEMENT
E	EAST
E.B.	EAST BOUND
E/C	EDGE OF CONCRETE
E/R	EDGE OF ROAD
E/P	EDGE OF PAVEMENT
E/S	EDGE OF SHOULDER
ELL.	ELBOW
ELEC.	ELECTRIC OR ELECTRICAL
E.P.B.	ELECTRIC PANEL BOARD
E.MH.	ELECTRIC MANHOLE
EL. OR ELEV.	ELEVATION
EMB	EMBANKMENT
EMB.	EMBED OR EMBEDMENT
EMER' G.	EMERGENCY
ENCL	ENCLOSURE

E CONT' D.	
E.O.L.	END LINE RESISTOR
E TO E	END TO END
ENGR.	ENGINEER
ENT.	ENTRANCE
EQ. OR (=)	EQUAL
EQ	EQUALITY
EQU.	EQUATION
EQUIP.	EQUIPMENT
E.G.C.	EQUITABLE GAS COMPANY
EQUIV.	EQUIVALENT
EST.	ESTIMATE
EXC.	EXCAVATION
EXH.	EXHAUST
EXIST.	EXISTING
EXP.	EXPANSION
EXP.BT.	EXPANSION BOLT
EXP.JT.	EXPANSION JOINT
EXP.BLK.	EXPOSED BLOCK
EXT.	EXTENSION
EXT	EXTERNAL
EXT. D.	EXTERNAL DISTANCE
EXT	EXTERIOR
XHVY	EXTRA HEAVY
XSTR	EXTRA STRENGTH

F	
FAB.	FABRICATE
F TO F	FACE TO FACE
F/C	FACE OF CURB
F.F.	FAR FACE
FED.	FEDERAL
FED. A.	FEDERAL AID
FEMA	FED. EMERGENCY MANAGEMENT ADMINISTRATION
FTA	FED. TRANSIT ADMINISTRATION
FT. OR '	FEET
FPS	FEET PER SECOND
FPM	FEET PER MINUTE
FP	FENCE POST
F.D.	FIBER DUCT, CONDUIT
F.B.	FIELD BOOK
FIG.	FIGURE
F	FILL
FIN.	FINISH
F.G.	FINISH GRADE
FIN. FL.	FINISHED FLOOR
F.A.	FIRE ALARM
F.H.V.	FIRE HOSE VALVE
F.H.	FIRE HYDRANT
F.P.	FIRE PROTECTION
FIX.	FIXED
FIXT.	FIXTURES
F.P.	FLAG POLE
FLG.	FLANGE OR FLANGED
FLASH	FLASHING
FLEX.	FLEXIBLE
FL.	FLOOR
FL.D.	FLOOR DRAIN
FL.L.	FLOOR LINE
F.L.	FLOW LINE
FLUOR.	FLUORESCENT
FT. OR '	FOOT
FTG.	FOOTING
F.S.	FORESIGHT
FWD.	FORWARD
FDN.	FOUNDATION
FR.	FRAME
FR.DWLG.	FRAME DWELLING
FR.D.	FRENCH DRAIN
FRWY.	FREEWAY

G	
GA.	GAGE, GAUGE
GAL.	GALLON
GPM	GALLONS PER MINUTE
GPS	GALLONS PER SECOND
GALV.	GALVANIZED
G.I.	GALVANIZED IRON
G.S.	GALVANIZED STEEL

G CONT' D.	
G.S.P.	GALVANIZED STEEL PIPE
GAR.	GARAGE
GSKT.	GASKET
G.M.	GAS METER
G.V.	GAS VALVE
GEN.	GENERAL
G.A.E.C.	GENERAL ARCHITECTURAL/ENGINEERING CONSULTANT
G.C.	GENERAL CONTRACTOR
G	GIGA
GL.	GLASS
G.R.C.	GLASS REINFORCED CONC.
GOVT.	GOVERNMENT
GR	GRADE
G.P.	GRADE POINT
GRAD.	GRADUATION
GRTG.	GRATING
GI	GREEN INFRASTRUCTURE
GR.	GRILLE
GRD.	GRIND
GRD.	GROUND
G.F.	GROUND FAULT
G.F.I.	GROUND FAULT INTERRUPTER
GP	GUARD POST

H	
HCP.	HANDICAPPED
H.R.	HANDRAIL
HDW.	HARDWARE
HDWD.	HARDWOOD
HD.	HEAD
HDR.	HEADER
HTR.	HEATER
HVY.	HEATING AND VENTILATING
hd	HEAVY
HGT.	HEIGHT
HZ	HERTZ
HEX.	HEXAGON, HEXAGONAL
H.I.	HEIGHT OF INSTRUMENT
H.P.	HIGH POINT
HP	HIGH PRESSURE
HWY.	HIGHWAY
H.M.	HOLLOW METAL
HOR.	HORIZONTAL
HP.	HORSEPOWER
HR.	HOUR
HSE.	HOUSE
HYD.	HYDRANT

I	
IB.	INBOUND
IN. OR "	INCH
INCL.	INCLUDING OR INCLUDING
INC.	INCORPORATED
INFO.	INFORMATION
I.D.	INSIDE DIAMETER
I.F.	INSIDE FACE
INST.	INSTRUMENT
INSUL.	INSULATION
INTEG.	INTEGRAL
INT.	INTERIOR
INTER.	INTERMEDIATE
INV.	INVERT
I.E.	INVERT ELEVATION
I.PIN	IRON PIN
I.P.	IRON PIPE

J	
JT.	JOINT
J	JOULE
JCT.	JUNCTION
J.B.	JUNCTION BOX

K	
KVA	KILO-VOLT-AMPERE
KW	KILOWATT
K	KIP OR KIPS
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
KLF	KIPS PER LINEAR FOOT
K.O.	KNOCK OUT



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5th Floor
Pittsburgh, PA 15219

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(NOT FOR CONSTRUCTION)

DESIGNED	JMS
DRAWN	JMS
CHECKED	MES
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
STANDARD ABBREVIATIONS
A-K

Port Authority
connecting people to life®

CONTRACT NO. BRT-001
DWG. NO. GN23
SHT. 23

L LAM. LAT. LT. L.H. L/T LGTH. Ld. L+ LGT. LTG. LED LS LIN. L.A. L.F. OR LIN.FT. L.L. LOCA. LG. LONG. LV. L.P. LP LUB. LBR. Lm LS Lx	L LAMINATE LATITUDE LEFT LEFT HAND LEFT TRACK LENGTH LENGTH OF DEVELOPMENT LENGTH (ESTIMATED TOTAL) LIGHT LIGHTING LIGHT EMITTING DIODE LIGHT STANDARD LINEAR OR LINEAL LIMITED ACCESS LINEAR FOOT LIVE LOAD LOCATION LONG LONGITUDE OR LONGITUDINAL LOUVER LOW POINT LOW PRESSURE LUBRICATE LUMBER LUMEN LUMP SUM LUX	O O.C. / OFF. OPNG. OGS OPP. OPP. HD. OPT. ORN. ORIG. O.G. OB. O.D. O.F. O TO O OA. O.H.	ON CENTER OF OFFSET OPENING OPEN GRADAGE SUBBASE OPPOSITE OPPOSITE HAND OPTIONAL ORANGE ORIGINAL ORIGINAL GRADE OUTBOUND OUTSIDE DIAMETER OUTSIDE FENCE OUTSIDE TO OUTSIDE OR OUT TO OUT OVERALL OVERHEAD	P P. PP. PR. PNL. PAR PKG. PKG. M. PKWY. PARTN. PAV' T. PBD PAV' G. P. D. A. PED. PA P.A.W.C. PADER PENNDOT PNGCO. % P. C. M. P. PERF. PERM. PERP. PGH PWSA PL PCC OR PLCC P.D. PL. PLATF. PLYWOOD PT. P.C. P.O.E. PT P.C.B. PVC PAT OR PAAC P.C.C. POS. LB.,LBS. PCF PSF PSI PWR. PP PPB P.P. PRI. PCST. PREFAB. PRELIM. PMLD. PRESS. P/S P.C.P.	P PAGE PAGES PAIR PANEL PARALLEL PARKING PARKING METER PARKWAY PARTITION PAVEMENT PAVEMENT BASE DRAIN PAVING PREDETERMINED AMOUNT PEDESTRIAN PENNSYLVANIA PENNSYLVANIA AMERICAN WATER COMPANY PENNSYLVANIA DEPT. OF ENVIRONMENTAL RESOURCES PENNSYLVANIA DEPARTMENT OF TRANSPORTATION PEOPLES NATURAL GAS COMPANY PERCENT PERFORATED CORRUGATED METAL PIPE PERFORATED PERMANENT PERPENDICULAR PITTSBURGH PGH. WATER & SEWER AUTHORITY PLANE OR PLAIN PLAIN CEMENT CONCRETE PLASTIC CONDUIT DUCT PLATE PLATFORM PLYWOOD POINT POINT OF CURVE POINT OF END POINT OF TANGENT POLICE CALL BOX POLYVINYLS CHORIDE PORT AUTHORITY OF ALLEGHENY COUNTY PORTLAND CEMENT CONCRETE POSITION POUND OR POUNDS POUNDS PER CUBIC FOOT POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POWER POWER PANEL POWER PANEL BOARD POWER POLE PRIMARY PRECAST PREFABRICATED PRELIMINARY PREMOLDED PRESSURE PRESTRESSED PRESTRESSED CONCRETE PIPE	P CONT' D. PROD. PG PGL PROJ. R PROP. PUB. P.B. QUAD. QUAL. QTR. RAD. rad R. R.C.P.R. REC' D. REC. RECONSTR. RECT. REDR. REF. R.N. REFL. REG. REG. REINF. R.C.C. R.C.P. R.E.C.P. REM. REQ' D. RET. RET REV. REV. RT. R.H. R/W R/T RD. RDWY. RM. RF. RF.D. RD R.O. RTE.	PRODUCTION PROFILE GRADE PROFILE GRADE LINE PROJECTION PROPERTY LINE PROPOSED PUBLICATION PUSH-BUTTON QUADRANT QUALITY QUARTER RADIAL RADIAN RADIUS REINFORCED CONCRETE PIPE, RUBBER GASKET RECEIVED RECESSED RECONSTRUCT RECTANGLE REDRESSED REFERENCE REFERENCE NORTH REFLECTION OR REFLECTOR REGULAR REGISTER REINFORCED,REINFORCEMENT OR REINFORCING REINFORCED CEMENT CONCRETE REINFORCED CONCRETE PIPE REINFORCED ELLIPTICAL CONCRETE PIPE REMOVAL OR REMOVE REQUIRED REINFORMING REINFORCED CEMENT CONCRETE REINFORCED ELLIPTICAL CONCRETE PIPE REMOVAL OR REMOVE REQUIRED REINFORMING REINFORCED CEMENT CONCRETE REINFORCED ELLIPTICAL CONCRETE PIPE REMOVAL OR REMOVE REQUIRED REINFORMING REINFORCED CEMENT CONCRETE REINFORCED ELLIPTICAL CONCRETE PIPE REMOVAL OR REMOVE REQUIRED REINFORMING REINFORCED CEMENT CONCRETE REINFORCED ELLIPTICAL CONCRETE PIPE REMOVAL OR REMOVE REQUIRED REINFORMING REINFORCED CEMENT CONCRETE REINFORCED ELLIPTICAL CONCRETE PIPE REMOVAL OR REMOVE	S SPA SPCS SP. SPEC. SQ. SQ.FT. OR S.F. SQ. IN. OR S.I. S.Y. STAG S.S. STWY. S.P. STD. SR STA. STM. STL. STG. S.A. STR. RM. SS SWM STY. ST. S.L. STRUCT. STR SUBG. OR SUBSTR. S.E. SUP. SOE SURF. S.M. SURV. SUSP. SW. SYM.	SPACE OR SPACING SPACES SPARE SPECIFICATION SQUARE SQUARE FOOT SQUARE INCH SQUARE YARD STAGGERED STAINLESS STEEL STAIRWAY STAND PIPE STANDARD STATE ROUTE STATION STEAM STEEL PIPE,DUCT,CONDUIT STORAGE STORAGE AREA STORAGE ROOM STORM SEWER STORMWATER MANAGEMENT STORY STREET STREET LIGHTING STRUCTURAL STRUCTURE SUBGRADE SUBSTRUCTURE SUPER ELEVATION SUPPORT SUPPORT OF EXCAVATION SURFACE SURFACE MOUNTED SURVEY SUSPENDED SWITCH SYMMETRICAL	S CONT' D. SPA SPCS SP. SPEC. SQ. SQ.FT. OR S.F. SQ. IN. OR S.I. S.Y. STAG S.S. STWY. S.P. STD. SR STA. STM. STL. STG. S.A. STR. RM. SS SWM STY. ST. S.L. STRUCT. STR SUBG. OR SUBSTR. S.E. SUP. SOE SURF. S.M. SURV. SUSP. SW. SYM.	TRANSFER AIR TRANSVERSE TREAD TRIP TURNING POINT TYPICAL UNDERDRAIN UNDER PLATFORM VENTILATION UNFINISHED UNINTERRUPTED POWER SUPPLY U.S. GEOLOGICAL SURVEY UNIVERSAL UNLESS NOTED UNLESS OTHERWISE NOTED UTILITY POLE WITH LUMINARIES VACANT VALVE VARIABLE VENT VENTILATION VERIFY IN FIELD VERTICAL VERTICAL CONTROL LINE VERTICAL CURVE VERTICAL FEET VITRIFIED CLAY PIPE VITRIFIED CLAY PIPE EXTRA STRENGTH VITRIFIED CLAY PIPE EXTRA STRENGTH RUBBER GASKET VITRIFIED MATERIAL VITRIFIED TILE PIPE VOLT WALK WAREHOUSE WATER BOX WATER CLOSET WATER METER WATERPROOFING WATER SPIGOT WATER VALVE WATT WEARING SURFACE WEATHERPROOF WEEP HOLES WEIGHT WELDED WIRE FABRIC WELDED STEEL PIPE WELDED STEEL PIPE, COATED WELDED STEEL PIPE, COATED,CEMENT LINED WEST WEST BOUND WEST PENN POWER COMPANY WESTERN UNION TELEGRAPH COMPANY WINDOW WING WALL WIRE GLASS WITH WITHOUT WIDTH WOOD WORK POINT WROUGHT IRON WROUGHT IRON PIPE YARD YEAR YELLOW	T T.A. TRANV. T TR. T.P. TYP. UD OR U-DRAIN U.P.V. UNFIN. U.P.S. U.S.G.S. UNIV. U.N. U.O.N. UPL	T CONT' D. T.A. TRANV. T TR. T.P. TYP. UD OR U-DRAIN U.P.V. UNFIN. U.P.S. U.S.G.S. UNIV. U.N. U.O.N. UPL
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PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
STANDARD ABBREVIATIONS
L-Z

Port Authority
connecting people to life

CONTRACT NO. BRT-001
DWG. NO. GN24
SHT. 24

CURVE DATA TERMS

SURVEY TERMS

TRACK

ROADWAY

HORIZONTAL
 STA. STATION
 Δ TOTAL CENTRAL ANGLE OF SPIRAL AND CIRCULAR CURVES.
 Δ_C CENTRAL ANGLE OF CIRCULAR CURVE.
 Δ_{C1} SUFFIX (1) AT THE SYMBOL DENOTES DATA FOR THE FIRST CIRCULAR CURVE OF A COMPOUND CURVE
 Δ_{C2} SUFFIX (2) SAME AS ABOVE - SECOND CIRCULAR CURVE.
 P.I. POINT OF INTERSECTION OF TWO TANGENTS.
 P.T. POINT OF CHANGE FROM CIRCULAR CURVE TO TANGENT.
 P.C. POINT OF CHANGE FROM TANGENT TO CIRCULAR CURVE.
 T.S. POINT OF CHANGE FROM TANGENT TO SPIRAL.
 S.T. POINT OF CHANGE FROM SPIRAL TO TANGENT.
 S.C. POINT OF CHANGE FROM SPIRAL TO CURVE.
 C.S. POINT OF CHANGE CURVE TO SPIRAL.
 S.S. POINT OF CHANGE FROM SPIRAL TO SPIRAL.
 SC₂ POINT OF CHANGE FROM COMPOUND SPIRAL TO SECOND CIRCULAR CURVE.
 CS₂ POINT OF CHANGE FROM SECOND CIRCULAR CURVE TO LAST SPIRAL.
 L_S TOTAL LENGTH OF SPIRAL, IN FEET.
 L_C TOTAL LENGTH OF CIRCULAR CURVE, IN FEET.
 L_{SC} LENGTH OF COMPOUND SPIRAL, (FROM CS TO SC).
 P.F. POINT OF FROG.
 P.S. POINT OF SWITCH.
 C.C. CENTER OF CIRCULAR CURVE.
 R RADIUS OF CURVATURE.
 V DESIGN VELOCITY, IN MILES PER HOUR.
 E_S EXTERNAL RADIAL DISTANCE FROM PI TO SPIRALIZED CURVE.
 PI-6T POINT OF INTERSECTION, *6 TURNOUT.
 PI-6X POINT OF INTERSECTION OF C, *6 CROSSING.
 PI-6F POINT OF INTERSECTION, *6 FROG (NO SWITCH).
 P.O.C. POINT ON CURVE.
 P.O.S. POINT ON SPIRAL.
 P.O.T. POINT ON TANGENT.
 P.C.C. POINT OF COMPOUND CIRCULAR CURVES.
 P.R.C. POINT OF REVERSE CURVES.
 P.R.S. POINT OF REVERSE SPIRALS.
 T_C TANGENT LENGTH OF CIRCULAR CURVE.
 θ_S CENTRAL ANGLE OF SPIRAL OR SPIRAL ANGLE.
 θ_{SC} CENTRAL ANGLE OF COMPOUND SPIRAL OR COMPOUND SPIRAL ANGLE, (FROM SC TO SC).
 θ_{ST} TOTAL CENTRAL ANGLE OF COMPOUND SPIRAL OR TOTAL COMPOUND SPIRAL ANGLE (FROM SC OR CS TO SPO).
 S.P.O. POINT OF ORIGIN OF COMPOUND SPIRAL
 T_S TANGENT DISTANCE FROM TS OR ST TO PI.
 Y_S TANGENT OFFSET AT SC OR CS.
 L_{S1} SUFFIX (1) AT THE SYMBOL DENOTES THE DATA FOR THE FIRST SPIRAL IN AN UNSYMMETRICAL SPIRALIZED CURVE.
 L_{S2} SUFFIX (2) SAME AS ABOVE SECOND SPIRAL
 P THE ORDINATE OF THE OFFSETTING TC (OR CT) REFERRED TO THE TS (OR ST), THE DISTANCE BETWEEN THE TANGENT AND PARALLEL TANGENT TO THE OFFSETTING CURVE.
 K ABSCISSA OF THE SHIFTED TC (OR CT) REFERRED TO THE TS (OR ST)
 K CONSTANT RATE OF CHANGE IN DEGREE OF CURVE PER FOOT OF SPIRAL.
 D_C DEGREE OF CIRCULAR CURVE.
 e EXTERNAL DISTANCE, CURVE TO PI.
 EQ. EQUATION
 \mathcal{C} CENTERLINE
 E_d SUPERELEVATION IN INCHES.
 E_u UNBALANCED SUPERELEVATION INCHES.
 S.E. SUPERELEVATION
 θ CENTRAL ANGLE
 \mathcal{C}_R CENTER LINE RADIUS
 \mathcal{C}_L CENTER LINE LENGTH
 STA.R STATION RIGHT TRACK
 STA.L STATION LEFT TRACK
 AH AHEAD
 BK BACK

VERTICAL
 V.C. VERTICAL CURVE.
 P.V.I. POINT OF VERTICAL INTERSECTION.
 P.V.C. POINT OF VERTICAL CURVE
 P.V.T. POINT OF VERTICAL TANGENCY
 L.V.C. LENGTH OF VERTICAL CURVE.
 P.V.R.C. POINT OF REVERSE VERTICAL CURVE.
 P.V.C.C. POINT OF COMPOUND VERTICAL CURVE.
 P.O.V.C. POINT ON VERTICAL CURVE.
 P.O.V.T. POINT ON VERTICAL TANGENT.
 ELEV. ELEVATION

HORIZONTAL
 STA. STATION
 R RADIUS
 L LENGTH OF CURVE
 P.O.T. POINT ON TANGENT
 P.O.C. POINT ON CURVE
 P.O.S.T. POINT ON SUBTANGENT
 P.C.C. POINT OF COMPOUND CURVE
 P.R.C. POINT OF REVERSE CURVE

SIMPLE CURVE (ARC METHOD)
 P.I. POINT OF INTERSECTION
 P.C. POINT OF CURVATURE
 P.T. POINT OF TANGENCY
 Δ DEFLECTION ANGLE BETWEEN THE TANGENTS
 T TANGENT DISTANCE
 E EXTERNAL DISTANCE
 R RADIUS OF THE CIRCULAR ARC
 M MIDDLE ORDINATE
 L.C. LONG CHORD (DISTANCE BETWEEN P.C. AND P.T.)
 C MIDPOINT OF LONG CHORD
 D DEGREE OF CURVATURE
 S.E. SUPERELEVATION
 EQ. EQUATION
 \mathcal{C} CENTERLINE
 \mathcal{B} BASELINE

SPIRAL CURVE
 R_C RADIUS OF CIRCULAR CURVE
 D_C DEGREE OF CURVATURE OF THE CIRCULAR CURVE
 Δ DEFLECTION ANGLE BETWEEN THE TANGENTS
 θ_S SPIRAL ANGLE
 Δ_C CENTRAL ANGLE BETWEEN THE S.C. AND C.S.
 E_S EXTERNAL DISTANCE
 L.C. LONG CHORD
 L.T. LONG TANGENT
 S.T. SHORT TANGENT
 x TANGENT DISTANCE DISTANCE FOR S.C.
 y TANGENT OFFSET OF THE S.C.
 k SIMPLE CURVE CO-ORDINATE (ABSCISSAL)
 p SIMPLE CURVE CO-ORDINATE (ORDINATE)
 T.S. TANGENT TO SPIRAL
 S.C. SPIRAL TO CIRCULAR CURVE
 C.S. CIRCULAR CURVE TO SPIRAL
 S.T. SPIRAL TO TANGENT

VERTICAL
 P.V.I. POINT OF VERTICAL INTERSECTION
 P.V.C. POINT OF VERTICAL CURVE
 P.V.T. POINT OF VERTICAL TANGENT
 V.C. LENGTH OF VERTICAL CURVE
 M.O. MIDDLE ORDINATE
 S.S.D. STOPPING SIGHT DISTANCE
 H.L.S.D. HEAD LIGHT SIGHT DISTANCE
 ELEV. ELEVATION
 G PROFILE GRADE

C.P. CONTROL POINT
 H.I. HEIGHT OF INSTRUMENT
 B.S. BACK SIGHT
 F.S. FRONT SIGHT
 T.P. TURNING POINT
 \angle ANGLE
 X-SECT. CROSS SECTION
 DEFL. DEFLECTION
 MAG. MAGNETIC
 T.S. TOP OF STAKE
 B.S. BOTTOM OF STAKE
 AZ. AZIMUTH
 TBM TEMPORARY BENCH MARK
 CW. COPPERWELD (SURVEY MARKER)
 F.B. FIELDBOOK
 GPS GLOBAL POSITIONING SURVEY
 I.PIN IRON PIN (SURVEY MARKER)
 I.P. IRON PIPE (SURVEY MARKER)
 PK PARKER-KALON NAIL (SURVEY MARKER)
 MSL MEAN SEA LEVEL
 MER. MERIDIAN
 LAT. LATITUDE
 LONG. LONGITUDE
 MON. MONUMENT
 N.G.V.D. NATIONAL GEODETIC VERTICAL DATUM
 N.G.S. NATIONAL GEODETIC SURVEY
 NAVD NORTH AMERICAN VERTICAL DATUM
 SPCS STATE PLANE COORDINATE SYSTEM
 USC & GS US COAST & GEODETIC SYSTEM
 USGS US GEOLOGICAL SURVEY



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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 STANDARD CURVE DATA AND SURVEY TERMS



CONTRACT NO. BRT-001

DWG. NO. GN25 SHT. 25

CIVIL SYMBOLS

EXISTING		NEW		EXISTING		NEW		EXISTING		NEW		
	INLET		INLET		QUALITY LEVEL B		MAILBOX			DEPRESSED CURB		DEPRESSED CURB
<i>PWSA ID: CB001D026</i>	INLET NUMBER		INLET NUMBER		QUALITY LEVEL D		UTILITY VALVE			CURB LINE		TYPE OF CURB
	ADA TRENCH DRAIN (PWSA)		ADA TRENCH DRAIN (PWSA)		UTILITY VAULT		LIGHT POST			CENTER LINE OR BASE LINE		CENTER LINE OR BASE LINE
	MANHOLE (PWSA)		MANHOLE (PWSA)		BILLBOARD (SINGLE FACE)		UTILITY POLE			PROPERTY LINE		PROPERTY LINE
	ELECTRIC MANHOLE (DUQUESNE LIGHT COMPANY)		ELECTRIC MANHOLE (DUQUESNE LIGHT COMPANY)		BILLBOARD (DOUBLE FACE)		ELECTRICAL BOX		STATE, COUNTY, TOWNSHIP, OR BOROUGH LINES			
	WATER MANHOLE		WATER MANHOLE		GUIDERAIL		UTILITY BOX		GRADE ADJUST EXISTING MANHOLE BY UTILITY COMPANY			
	TELEPHONE MANHOLE		TELEPHONE MANHOLE		TREE/TREE PIT		NEWSPAPER DISPENSER		GRADE ADJUST EXISTING PWSA MANHOLE			
	SEWER MANHOLE		SEWER MANHOLE		BUS SHELTER		RECYCLING CAN		GRADE ADJUST EXISTING VALVE BY THE UTILITY COMPANY			
	MANHOLE (COMCAST)		MANHOLE (COMCAST)		FIRE HYDRANT		FLAGPOLE		GRADE ADJUST EXISTING PWSA WATER VALVE			
	SEWER LINE AND DRAIN LINES UP TO 18"		SEWER LINE AND DRAIN LINES UP TO 18"		BIKE RACK		CONCRETE SLAB		RELOCATE EXISTING VALVE-SEE PWSA WATER RELOCATION PLANS			
	SEWER LINE AND DRAIN LINES 21" AND LARGER		SEWER LINE AND DRAIN LINES 21" AND LARGER		FENCE		PLANTER		UTILITY TO BE ABANDONED BY UTILITY COMPANY			
	TELEPHONE UNDERGROUND		TELEPHONE UNDERGROUND		FENCE		BENCH			CONTOUR LINE		CONTOUR LINE
	GAS, BY PEOPLE'S GAS		GAS, BY PEOPLE'S GAS		PARKING METER		VEHICULAR/BICYCLE SIGNAL HEAD		RELOCATED LED ACORN LUMINAIRE & 15' POLE			
	WATER		WATER		WATER VALVE		SIGN		LED ROADWAY LUMINAIRE WITH STEEL POLE & ARM			
	ELECTRIC UNDERGROUND (DUQUESNE LIGHT COMPANY)		ELECTRIC UNDERGROUND (DUQUESNE LIGHT COMPANY)		WATER VALVE		LEGAL RIGHT OF WAY LINE		LED ROADWAY LUMINAIRE MOUNTED ON SIGNAL POLE (REFERENCE TRAFFIC SIGNAL PLANS)			
	UNDERGROUND ELECTRIC (CITY OF PITTSBURGH)		UNDERGROUND ELECTRIC (CITY OF PITTSBURGH)		GAS VALVE		REQUIRED RIGHT OF WAY LINE		EXISTING POLE TO BE REMOVED INCLUDING ALL LIGHTING EQUIPMENT AND APPURTENANCES			
	FIBER OPTIC (VERIZON)		FIBER OPTIC (VERIZON)		LIGHT POLE		TEMPORARY CONSTRUCTION EASEMENT		EXISTING POLE & LIGHTING EQUIPMENT TO BE REMOVED AND RELOCATED			
	CVTU (COMCAST)		CVTU (COMCAST)		POST		WALL (RETAINING)		EXISTING LUMINAIRE AND ARM ONLY TO BE REMOVED			
	ELECTRIC OVERHEAD (DUQUESNE LIGHT)		ELECTRIC OVERHEAD (DUQUESNE LIGHT)		ASH TRAY		WALL (RETAINING)		RELOCATED LIGHTING STANDARD			
	ELECTRIC (DUQUESNE LIGHT) AND COMMUNICATION (VARIOUS) OVERHEAD		ELECTRIC (DUQUESNE LIGHT) AND COMMUNICATION (VARIOUS) OVERHEAD		SIGN		FOUNDATION, OLD RUINS		CITY OF PITTSBURGH STANDARD CONCRETE JUNCTION BOX, TYPE JB-1			
	COMMUNICATION OVERHEAD (VARIOUS)		COMMUNICATION OVERHEAD (VARIOUS)		TRASH CAN		BUILDINGS		WIRE TAG			
	STEAM (PACT & CLEARWAY)		STEAM (PACT & CLEARWAY)		TRAFFIC SIGNAL		BUILDINGS		EXISTING JUNCTION BOX TO BE REMOVED			
	TRAFFIC SIGNAL CONDUIT		TRAFFIC SIGNAL CONDUIT		JUNCTION BOX							

NOTES:
 THE SIZE OF SEWER, WATER AND GAS LINES SHOWN ON DRAWING SHEETS ARE FOR REFERENCE ONLY. NUMBERS SHOWN FOR MANHOLES, PULL BOXES AND JUNCTION BOXES ARE FOR REFERENCE ONLY.
 WHERE A CONFLICT ARISES BETWEEN THE DRAWING SHEETS AND THE SYMBOL SHEETS, THE DRAWING SHEETS SHALL GOVERN.

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BUS RAPID TRANSIT UPTOWN TO OAKLAND

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 CONTRACT NO. BRT-001
 DWG. NO.

SYMBOLS

EXISTING		NEW		NEW		EXISTING		NEW		
	CUT SLOPE				EMERGENCY BLUE LIGHT				PEDESTRIAN MOVEMENTS	
	FILL SLOPE				PTZ CAMERA				TEMPORARY WHITE LINE/WIDTH	TW/4"
	SURFACE FLOW DIRECTION				MJR VALIDATOR				TEMPORARY YELLOW LINE/WIDTH	TY/4"
	REQUIRED LIMIT OF SLOPE LINE				REAL TIME SIGN				TEMPORARY DOUBLE YELLOW LINE/WIDTH	TDY/4"
	WOODED AREA				S&B VALIDATOR				TEMPORARY BROKEN WHITE LINE/WIDTH	TBW/4"
	INDIVIDUAL TREES OR SHRUBS				SINGLE MODE FIBER				TEMPORARY DOTTED WHITE LINE/WIDTH	TDW/4"
	POLE AND LUMINAIRE				SYSTEM ENCLOSURE/STATION EQUIPMENT CABINET				<i>EPM</i> EXISTING PAVEMENT MARKINGS	
	LUMINAIRE FOR ROADWAY LIGHTING				TICKET VENDING MACHINE				PROPOSED MAST ARM	
	PEDESTRIAN LUMINAIRE - WALL MOUNTED				TRASH CAN				PROPOSED MAST ARM WITH LUMINAIRE ARM	
	PEDESTRIAN LUMINAIRE - POLE MOUNTED				CONSTRUCTION AREA				PROPOSED PEDESTRIAN SIGNAL HEAD	
	ELECTRICAL JUNCTION BOX				CONSTRUCT WHILE MAINTAINING SHORT-TERM TRAFFIC CONTROL				PROPOSED VEHICULAR SIGNAL HEAD	
	RAILING OR HANDRAIL				SHORT-TERM MILL AND OVERLAY OPERATION				PROPOSED PEDESTAL	
	STANDBOX				WORK COMPLETED IN PREVIOUS PHASE				EXISTING SIGN	
	COMPOST DIVERSION SOCK (SIZE AS NOTED)				TEMPORARY CONCRETE BARRIER				PROPOSED SIGN	
	COMPOST FILTER SOCK (SIZE AS NOTED)				TEMPORARY CONSTRUCTION FENCE				PROPOSED STOP BAR RADAR DETECTION ZONE	
	TEST BORING				TEMPORARY IMPACT ATTENUATING DEVICE				PROPOSED AUDIBLE PEDESTRIAN PUSH BUTTON/SIGN	
	MATCH LINE				TEMPORARY END TRANSITION				PROPOSED CONTROLLER ASSEMBLY	
	NORTH ARROW				CHANNELIZING DEVICE				PROPOSED JUNCTION BOX	
					TYPE III BARRICADE				EXISTING JUNCTION BOX	
					POST MOUNTED SIGN				PROPOSED STOP BAR RADAR DETECTOR	
					TYPE B FLASHING LIGHT (YELLOW)				CONDUIT/SIZE	C/2"
					TYPE B FLASHING LIGHT (RED)				EXISTING POWER CONDUIT	C/P
					COVER EXISTING SIGN				EXISTING INTERCONNECT CONDUIT	C/I
					EXISTING TO REMAIN				SOLID WHITE LINE/WIDTH	W/6"
					FLASHING ARROW PANEL				BROKEN WHITE LINE/WIDTH	BW/6"
					DETOUR ROUTE				DOUBLE SOLID YELLOW LINE/WIDTH	DY/4"
					DETOUR ROUTE					
					DIRECTION OF VEHICULAR TRAVEL					

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DWG. NO. GN27 SHT. 27

SUMMARY OF PROJECT COORDINATES

BASED ON PENNSYLVANIA STATE PLANE COORDINATE SYSTEM (SPCS 83) (SOUTH SIDE) GEOID 12B

Table with 6 columns: CONSTR BASELINE, STATION, POINT, NORTHING, EASTING, BEARING. Contains data for FIFTH AVE.

Table with 6 columns: CONSTR BASELINE, STATION, POINT, NORTHING, EASTING, BEARING. Contains data for FORBES AVE, ATWOOD ST, S BELLEFIELD AVE, N BELLEFIELD AVE, BIGELOW BLVD, SR 2085 (BIRMINGHAM BRIDGE), SR 8119 (BLVD OF THE ALLIES RAMP).

Table with 6 columns: CONSTR BASELINE, STATION, POINT, NORTHING, EASTING, BEARING. Contains data for BOYD ST, CHATHAM SQ, WASHINGTON PL, CHESTERFIELD RD, COLTART AVE, CRAFT AVE, DE SOTO ST, DIAMOND ST, DINWIDDIE ST, S DITHRIDGE ST, DARRAGH ST, GIST ST, HALKET ST, JUMONVILLE ST, KIRKPATRICK ST.



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Table with 3 columns: NO., DATE, DESCRIPTION. Includes a REVISIONS header.

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(NOT FOR CONSTRUCTION)

Table with 2 columns: DESIGNER, DRAWN, CHECKED, IN CHARGE, DATE, SCALE. Values include SDS, JMS, MES, LAR, 05/01/24, AS SHOWN.

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND PROJECT COORDINATES FIFTH AVE, FORBES AVE AND SIDE STREETS
Port Authority connecting people to life
CONTRACT NO. BRT-001 DWG. NO. GN28 SHT. 28

OPERATOR: "mi chae i. mcgarry"
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SUMMARY OF PROJECT COORDINATES

BASED ON PENNSYLVANIA STATE PLANE COORDINATE SYSTEM (SPCS 83) (SOUTH SIDE) GEOID 12B

CONSTR BASELINE	STATION	POINT	NORTHING	EASTING	BEARING
LOGAN ST	20+00.00	POB	410547.9092	1345707.4244	N 04° 37' 30" E
	21+35.97	POE	410683.4395	1345718.3883	
LOTHROP ST	30+00.00	POB	411246.7092	1353610.1520	N 55° 04' 31" W
	33+05.91	POE	411421.8402	1353359.3388	
LYTTON AVE	40+00.00	POB	412630.6768	1355156.9606	N 42° 00' 05" W
	43+37.23	POE	412881.2798	1354931.3047	
MAGEE ST	31+00.00	POB	409989.5742	1345485.8169	N 05° 59' 13" E
	36+74.74	POE	410561.1770	1345545.7631	
MARION ST	10+00.00	POB	409861.5195	1346634.3679	N 05° 49' 54" E
	12+84.50	POE	410144.5453	1346663.2745	
MARION ST	19+91.52	POB	410144.5690	1346662.9872	N 05° 50' 08" E
	23+15.41	POE	410466.7818	1346695.9183	
MCANULTY DR	0+03.83	POB	410222.7874	1344452.2793	S 84° 08' 54" E
	2+60.35	PC	410196.6346	1344707.4645	S 84° 08' 54" E
	3+02.18	PI	410192.3695	1344749.0801	N 10° 01' 42" E
	3+27.75	PT	410233.5640	1344756.3648	N 10° 01' 42" E
	4+00.00	POE	410304.7061	1344768.9453	
MCKEE PL	10+00.00	POB	410481.5683	1353824.0625	N 42° 04' 05" W
	17+10.03	POE	411008.6593	1353348.3337	
MERYAN ST	10+00.00	POB	410743.8664	1354157.6500	N 41° 59' 06" W
	17+40.04	POE	411293.9525	1353662.6119	
MILTENBERGER ST	10+00.00	POB	409813.6826	1347411.7768	N 04° 46' 07" E
	15+92.36	POE	410403.9885	1347461.0198	
MOULTRIE ST	51+00.00	POB	409754.2802	1349348.8909	N 04° 28' 57" E
	52+68.65	POE	409922.4101	1349362.0715	
MOULTRIE ST	53+00.00	POB	409922.4436	1349361.5079	N 04° 47' 06" E
	56+01.54	POE	410222.9280	1349386.6611	
MOULTRIE ST	30+00.00	POB	410216.3541	1349434.4954	N 09° 55' 53" E
	31+60.70	POE	410374.6495	1349462.2114	
N/S BOUQUET ST	10+00.00	POB	411281.1166	1354751.0429	N 52° 33' 04" W
	20+62.61	POE	411927.2394	1353907.4455	
S NEVILLE ST	10+00.00	POB	411954.9949	1356910.1542	N 27° 27' 14" E
	12+47.68	PI	412174.7854	1357024.3454	
	14+95.37	POE	412394.5758	1357138.5366	
S NEVILLE ST	20+00.00	POB	412394.6778	1357143.9984	N 27° 21' 16" E
	20+94.04	PC	412478.2053	1357187.2108	N 27° 21' 16" E
	22+10.21	PI	412581.3788	1357240.5869	N 11° 58' 54" W
	23+17.17	PT	412695.0107	1357216.4717	N 11° 58' 54" W
	23+30.58	POE	412708.1233	1357213.6889	
N/S NEVILLE ST	11+00.00	POB	412924.6380	1357147.0088	N 17° 04' 22" W
	36+38.96	POE	415351.7107	1356401.6110	
OAKLAND AVE	10+00.00	POB	411162.1394	1354482.3649	N 42° 01' 48" W
	16+48.68	POE	411643.9726	1354048.0634	
PRIDE ST	10+00.00	POB	409919.3371	1346381.5531	N 05° 42' 37" E
	12+47.61	POE	410165.7142	1346406.1893	
PRIDE ST	26+76.30	POB	410165.6525	1346406.8515	N 05° 35' 23" E
	30+00.11	POE	410487.9174	1346438.3922	
PRIDE ST	30+00.00	POB	410488.4869	1346431.4527	N 05° 51' 04" E
	32+77.47	POE	410764.5135	1346459.7394	

CONSTR BASELINE	STATION	POINT	NORTHING	EASTING	BEARING
ROBINSON ST A	611+00.00	POB	409836.3557	1351790.3036	N 24° 30' 07" E
	613+23.33	PC	410039.5740	1351882.9240	N 24° 30' 07" E
	613+54.08	PI	410067.5566	1351895.6775	N 87° 41' 17" E
	613+78.47	PT	410068.7971	1351926.4043	N 87° 41' 17" E
ROBINSON ST B	615+95.50	POE	410077.5524	1352143.2589	
	630+00.00	POB	410064.3984	1351907.8245	N 01° 39' 48" W
RUSKIN AVE	633+35.57	POE	410399.8275	1351898.0848	
	50+00.00	POB	413018.3052	1355586.9787	N 42° 01' 24" W
SCHENLEY DR	53+55.32	POE	413282.2630	1355349.1145	
	22+46.91	POB	411709.5244	1355319.9456	N 17° 25' 09" W
SCHENLEY DR EXTENSION	25+00.00	POE	411951.0076	1355244.1812	
	60+00.00	POB	411722.5355	1355750.3455	N 17° 33' 48" W
SEMPLER ST	63+70.15	POE	412075.4330	1355638.6479	
	10+00.00	POB	410614.1481	1354015.8365	N 42° 04' 09" W
SENECA ST	13+98.99	POE	410910.3345	1353748.5006	
	10+00.00	POB	409703.3444	1348937.2716	N 04° 44' 51" E
SENECA ST	12+53.16	POE	409955.6394	1348958.2245	
	15+00.00	POB	409955.6641	1348957.9247	N 04° 44' 43" E
SHINGISS ST	18+23.37	POE	410277.9277	1348984.6753	
	20+00.00	POB	410361.0709	1343964.3846	N 07° 09' 01" E
SIXTH AVE	21+79.05	POE	410538.7291	1343986.6718	
	620+00.00	POB	411366.9673	1343440.4489	S 60° 36' 44" E
	620+80.50	PI	411327.4664	1343510.5866	S 69° 58' 28" E
	622+46.33	PI	411270.6799	1343666.3906	S 61° 33' 53" E
	624+10.73	PC	411192.3950	1343810.9620	S 61° 33' 53" E
	625+61.53	PI	411120.5911	1343943.5646	S 23° 37' 53" W
	626+54.59	PT	410982.4411	1343883.1180	S 23° 37' 53" W
	629+81.50	PC	410682.9430	1343752.0748	S 23° 37' 53" W
	630+25.38	PI	410642.7490	1343734.4882	S 23° 44' 44" E
	630+64.19	PT	410602.5902	1343752.1548	S 23° 44' 44" E
STEVENSON ST	633+24.49	POE	410364.3315	1343856.9694	
	10+00.00	POB	409940.9731	1345992.6513	N 05° 43' 09" E
STEVENSON ST	12+62.16	POE	410201.8246	1346018.7755	
	15+00.00	POB	410201.8510	1346018.4548	N 05° 51' 04" E
STEVENSON ST	18+19.52	POE	410519.7090	1346051.0288	
	20+00.00	POB	410520.3720	1346048.7508	N 04° 48' 02" E
TENNYSON AVE	21+34.96	POE	410654.8585	1346060.0453	
	10+00.00	POB	412824.9047	1355372.4286	N 42° 01' 02" W
THACKERAY AVE	13+46.52	POE	413082.3486	1355140.4843	
	30+00.00	POB	411967.0884	1354406.2634	N 41° 58' 26" W
UNIVERSITY PL	33+05.12	POE	412193.9286	1354202.2020	
	40+00.00	POB	412189.8603	1354653.6147	N 41° 59' 06" W
VAN BRAMM ST	43+09.76	POE	412420.1097	1354446.4066	
	10+00.00	POB	409839.1685	1347069.5956	N 04° 45' 26" E
VAN BRAMM ST	12+71.01	POE	410109.2494	1347092.0722	
	20+00.00	POB	410109.2839	1347091.6533	N 04° 52' 05" E
VINE ST	23+23.93	POE	410432.0470	1347119.1425	
	30+00.00	POB	410463.9340	1346730.6170	N 03° 35' 05" E
WYANDOTTE ST	32+44.27	POE	410707.7282	1346745.8901	
	30+00.00	POB	410315.6460	1348537.4254	N 04° 41' 31" E
	30+23.50	PC	410339.0710	1348539.3479	N 04° 41' 31" E
	30+31.51	PI	410347.0498	1348540.0027	N 60° 52' 13" E
	30+38.21	PT	410350.9469	1348546.9958	N 60° 52' 13" E
	32+47.63	POE	410452.8887	1348729.9251	



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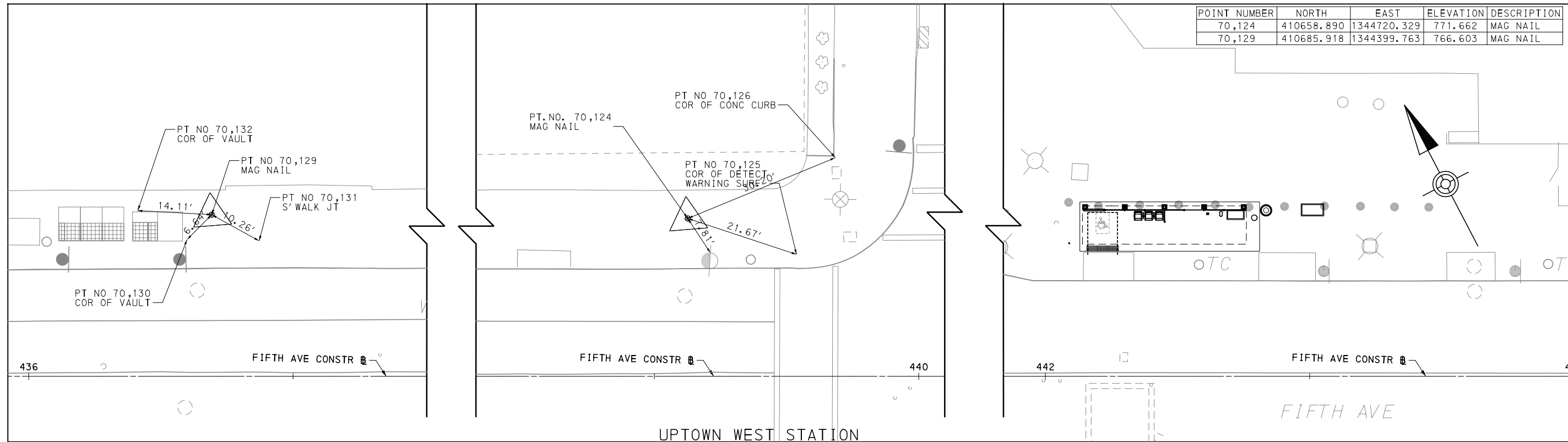
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PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
PROJECT COORDINATES
SIDE STREETS



CONTRACT NO. BRT-001

DWG. NO. GN29 SHT. 29



POINT NUMBER	NORTH	EAST	ELEVATION	DESCRIPTION
70,124	410658.890	1344720.329	771.662	MAG NAIL
70,129	410685.918	1344399.763	766.603	MAG NAIL

UPTOWN WEST STATION
SCALE
0 10 20 FEET



PREPARED BY:
awk
CONSULTING ENGINEERS, INC.
1225 RODI ROAD
TURTLE CREEK, PA 15145

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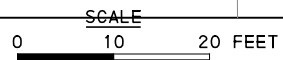
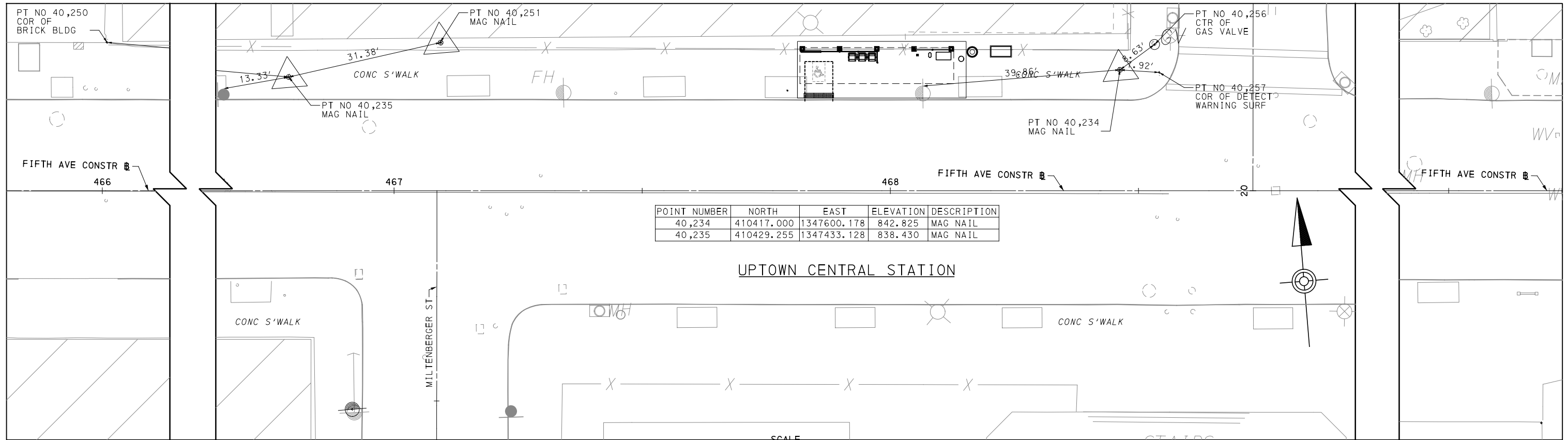
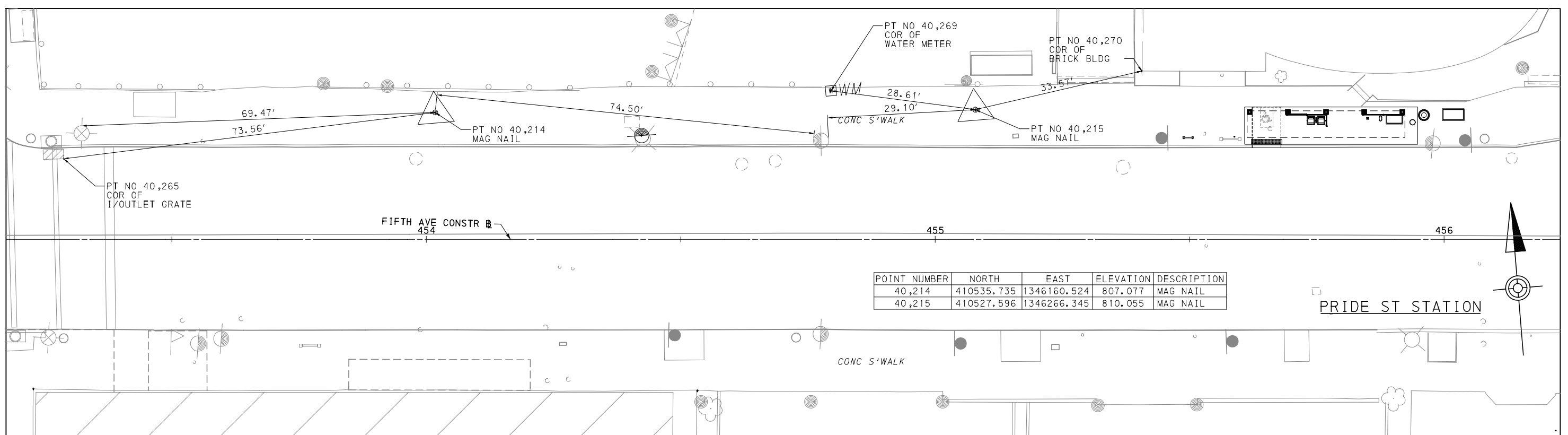
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BUS RAPID TRANSIT UPTOWN TO OAKLAND
STATION CONTROL POINTS
UPTOWN WEST STATION

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DWG. NO. GN30
SHT. 30



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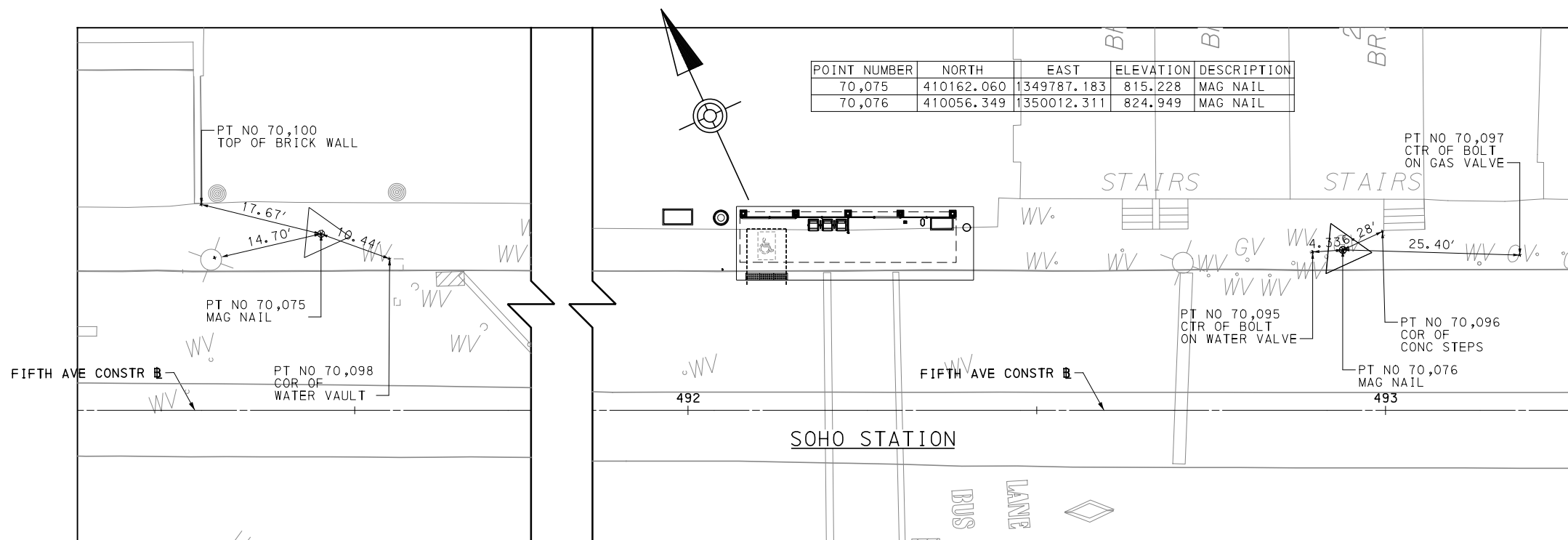
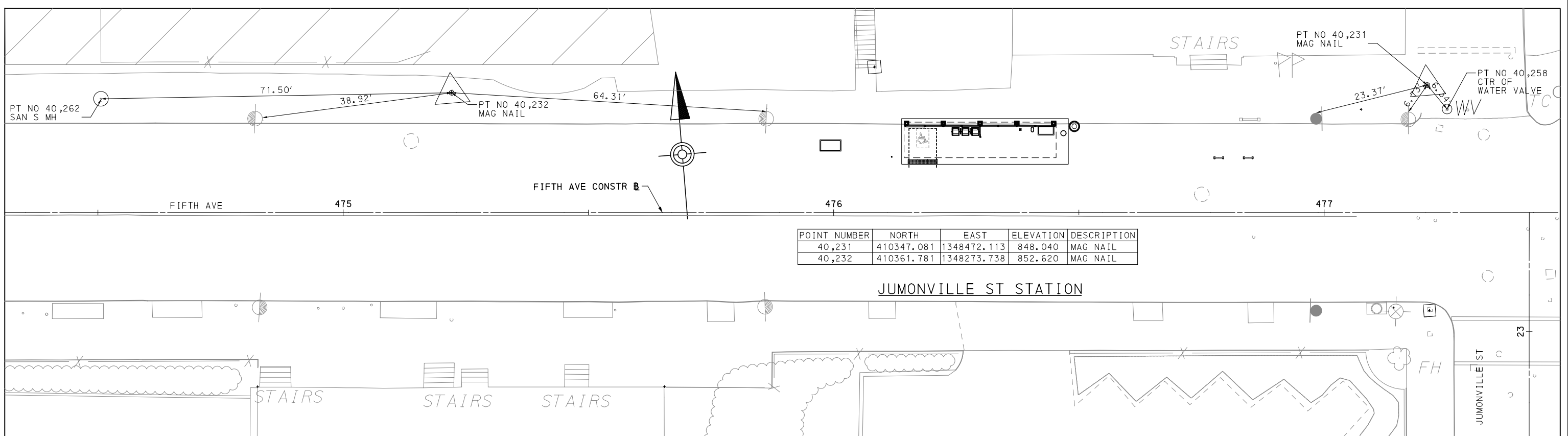
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BUS RAPID TRANSIT UPTOWN TO OAKLAND
STATION CONTROL POINTS
PRIDE ST STATION & UPTOWN CENTRAL STATION



CONTRACT NO. BRT-001

DWG. NO. GN31 SHT. 31



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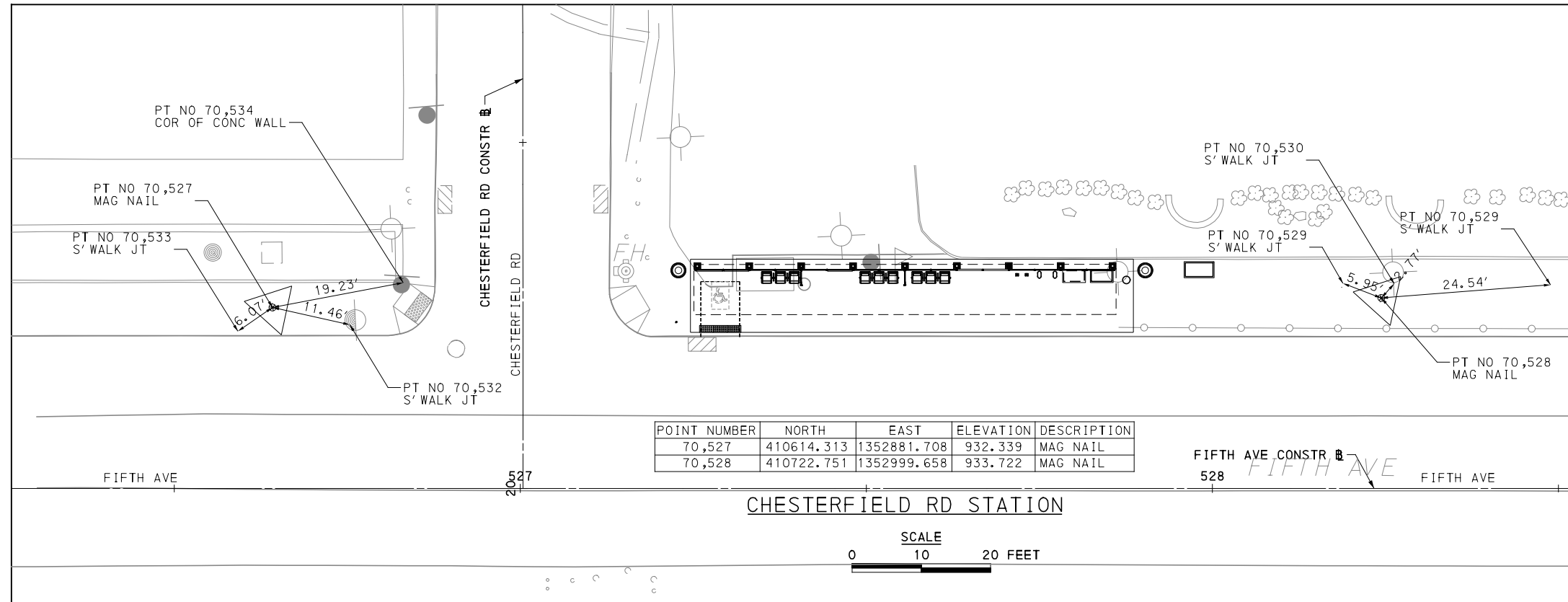
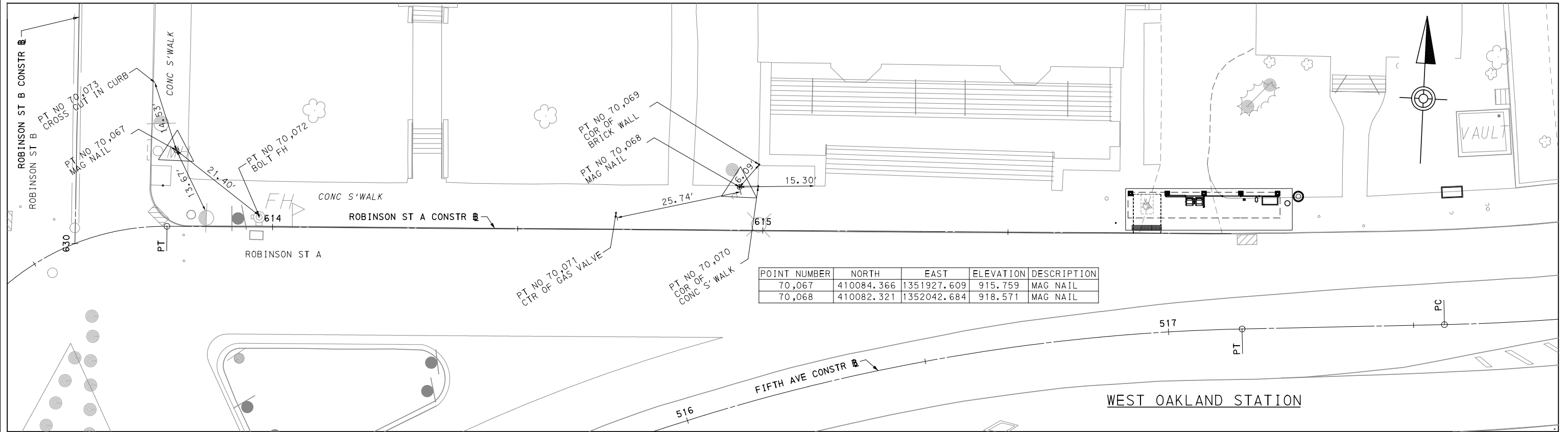
BUS RAPID TRANSIT UPTOWN TO OAKLAND
STATION CONTROL POINTS
JUMONVILLE ST STATION & SOHO STATION

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DWG. NO. GN32

SHT. 32



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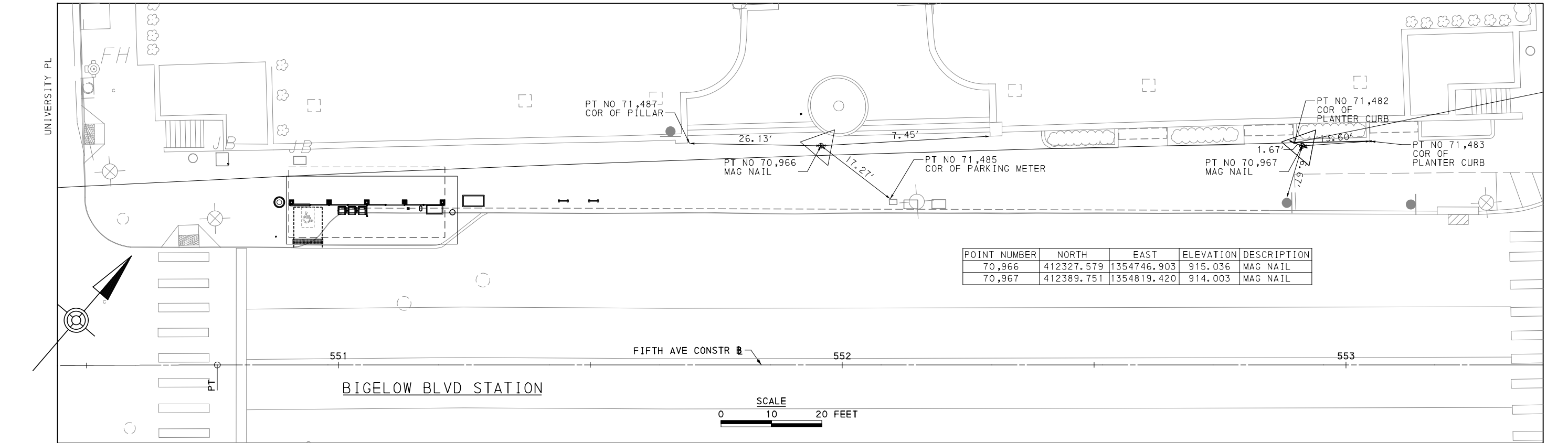
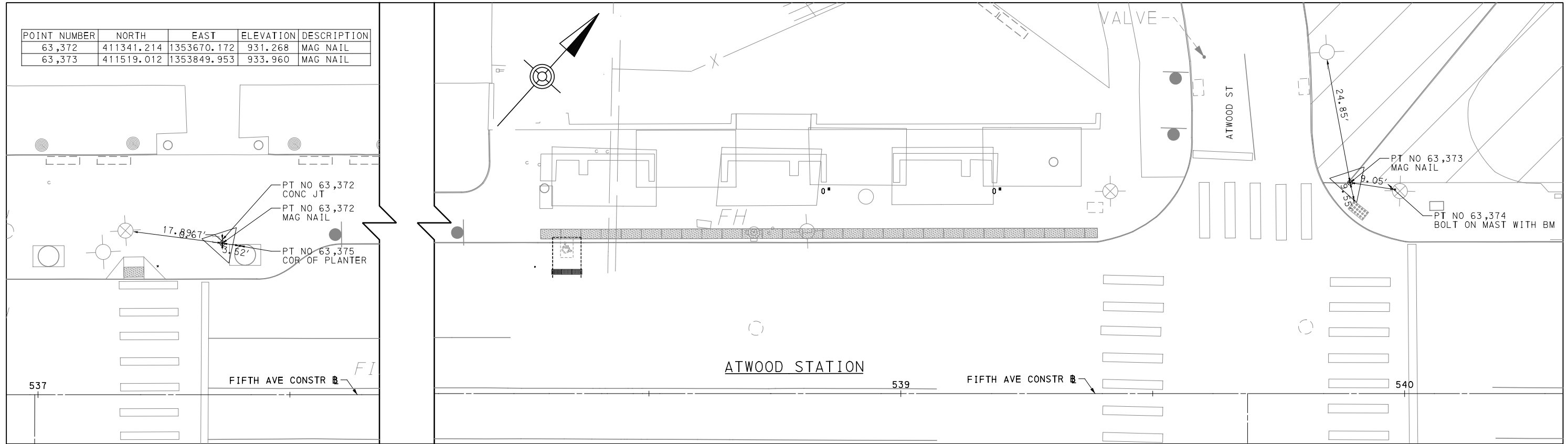
PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
STATION CONTROL POINTS
WEST OAKLAND STATION & CHESTERFIELD RD STATION



CONTRACT NO. BRT-001

DWG. NO. GN33 SHT. 33



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 CONSULTING ENGINEERS, INC.
 1225 RODI ROAD
 TURTLE CREEK, PA 15145

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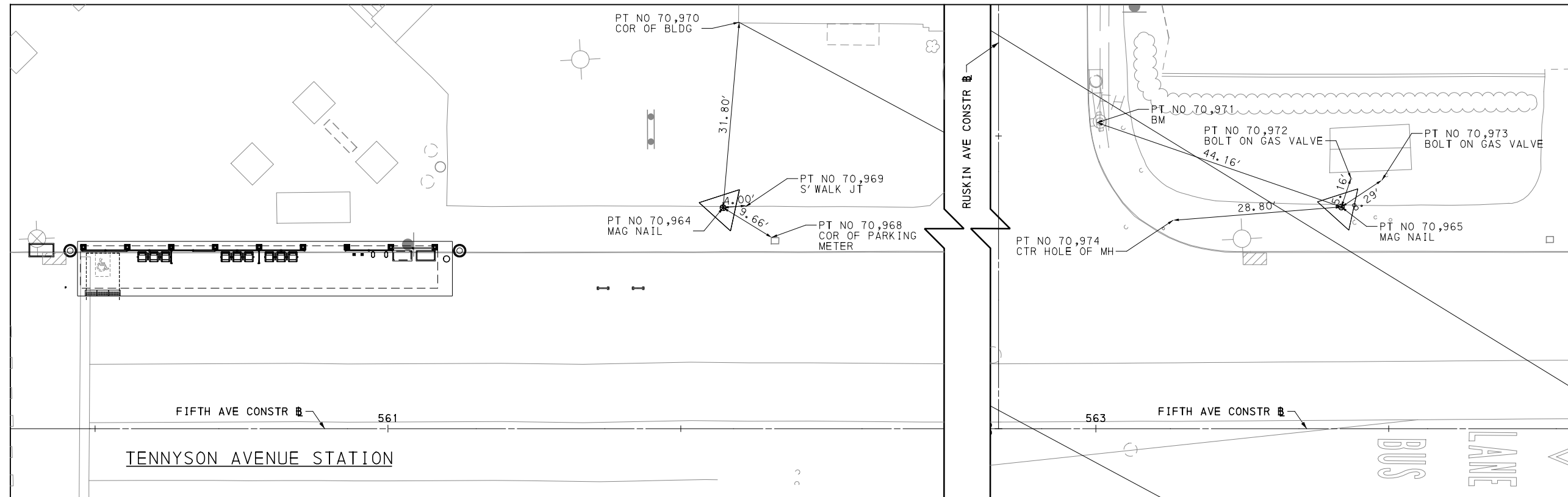
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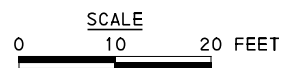
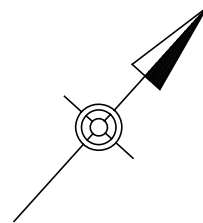
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 STATION CONTROL POINTS
 ATWOOD STATION & BIGELOW BLVD STATION

Port Authority connecting people to life

CONTRACT NO. BRT-001
 DWG. NO. GN34 SHT. 34



POINT NUMBER	NORTH	EAST	ELEVATION	DESCRIPTION
70,964	412961.859	1355468.010	918.745	MAG NAIL
70,965	413085.624	1355605.111	920.652	MAG NAIL



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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

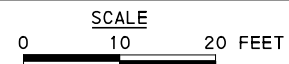
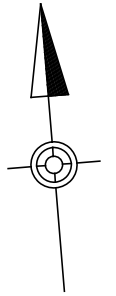
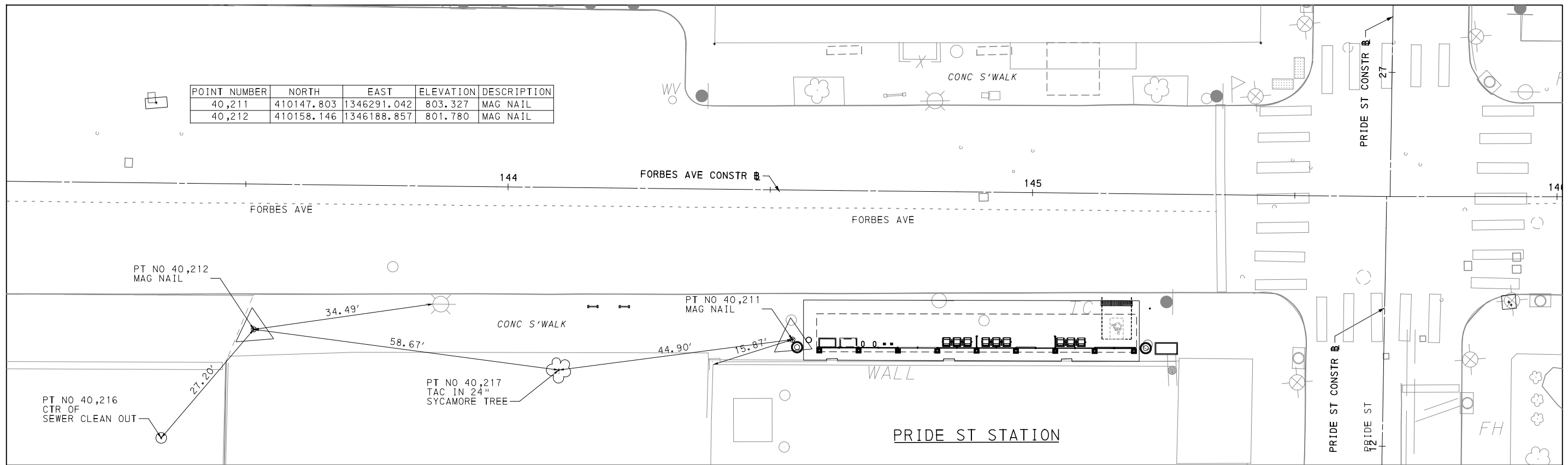
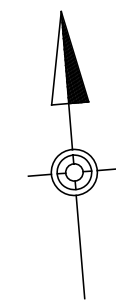
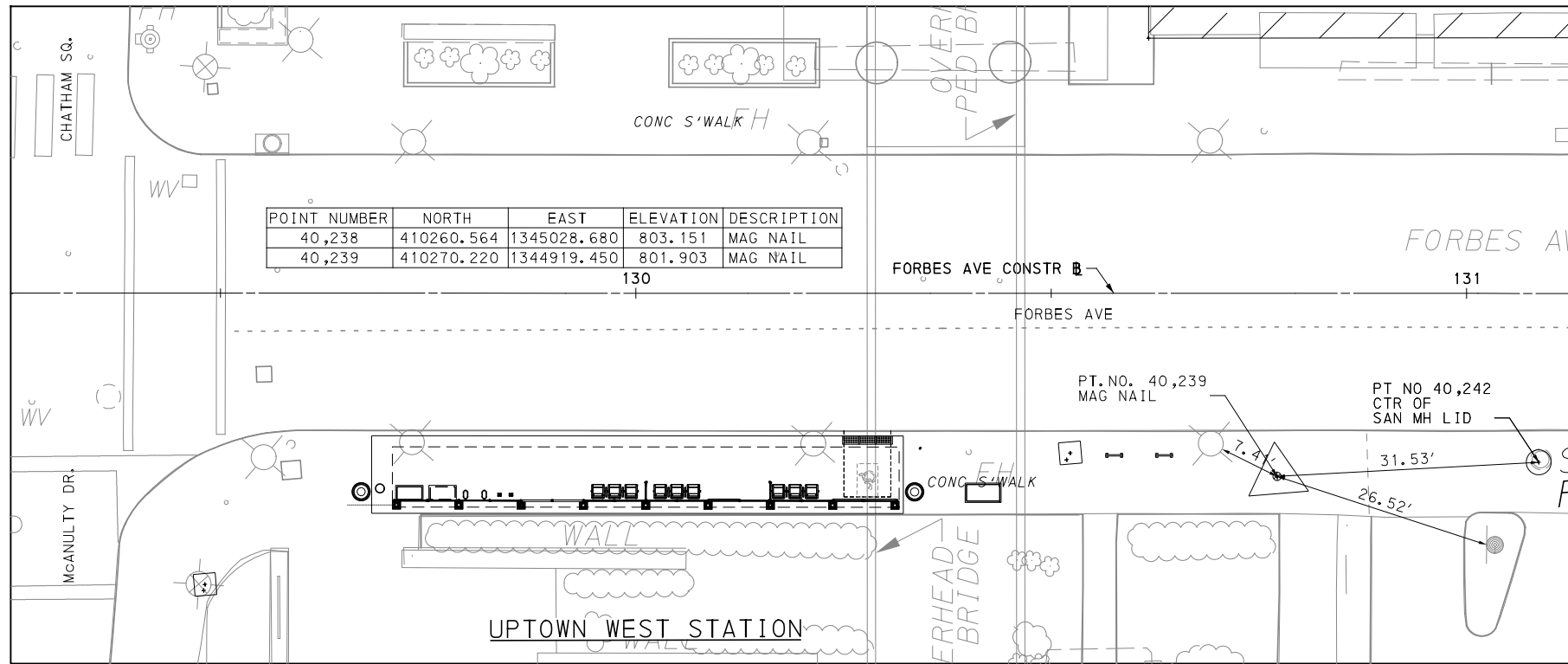
BUS RAPID TRANSIT UPTOWN TO OAKLAND
STATION CONTROL POINTS
TENNYSON AVE STATION



CONTRACT NO. BRT-001

DWG. NO. GN35

SHT. 35



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 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

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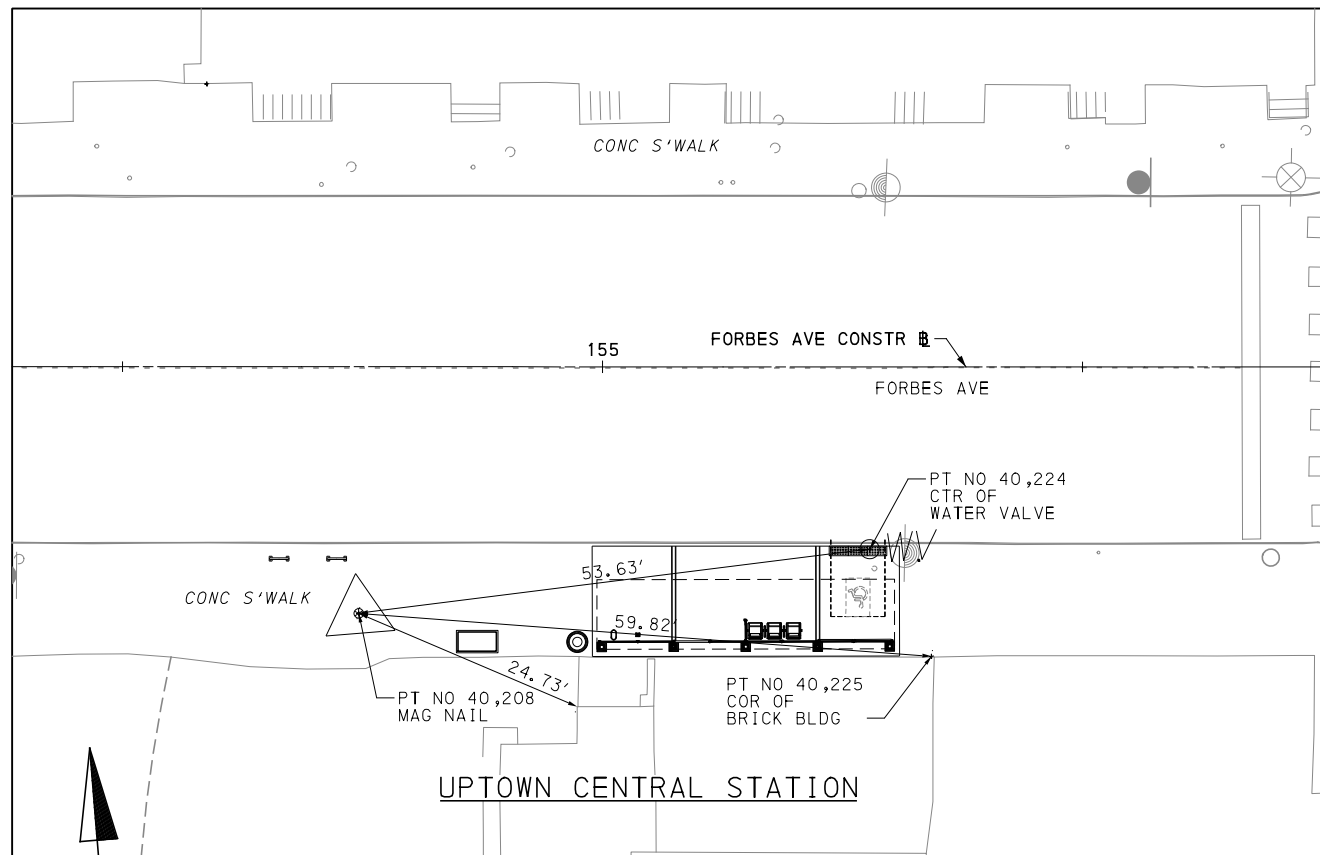
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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

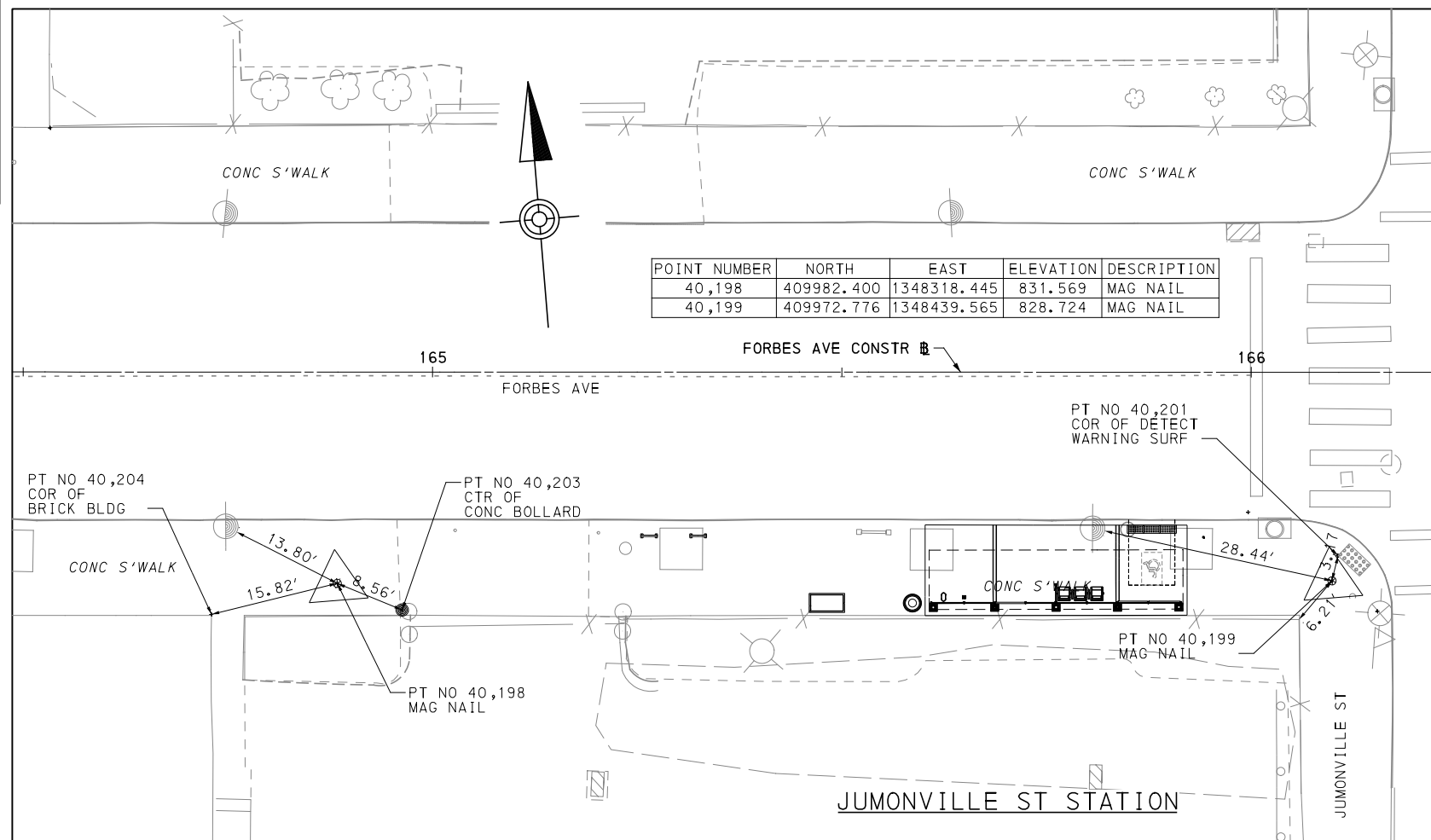
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 STATION CONTROL POINTS
 UPTOWN WEST STATION & PRIDE ST STATION

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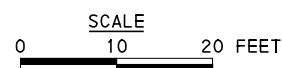
CONTRACT NO. BRT-001
 DWG. NO. GN36 SHT. 36



POINT NUMBER	NORTH	EAST	ELEVATION	DESCRIPTION
40,208	410065.691	1347308.130	826.844	MAG NAIL
40,209	410077.306	1347194.512	824.125	MAG NAIL



POINT NUMBER	NORTH	EAST	ELEVATION	DESCRIPTION
40,198	409982.400	1348318.445	831.569	MAG NAIL
40,199	409972.776	1348439.565	828.724	MAG NAIL



Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219

PREPARED BY:



CONSULTING ENGINEERS, INC.
1225 RODI ROAD
TURTLE CREEK, PA 15145

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(NOT FOR CONSTRUCTION)

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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
STATION CONTROL POINTS
UPTOWN CENTRAL STATION & JUMONVILLE ST STATION

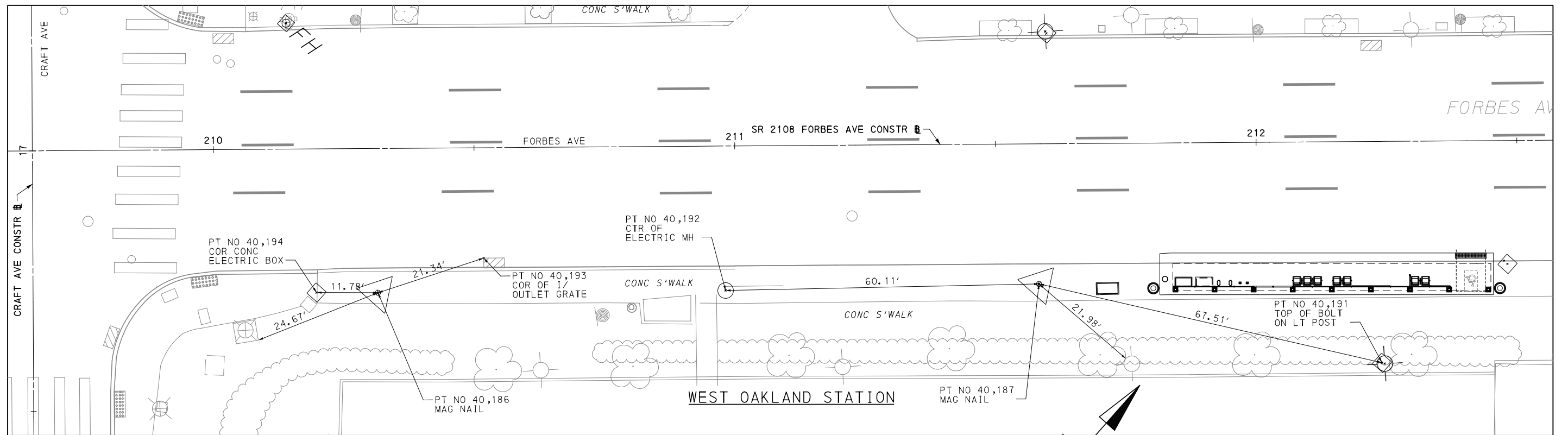
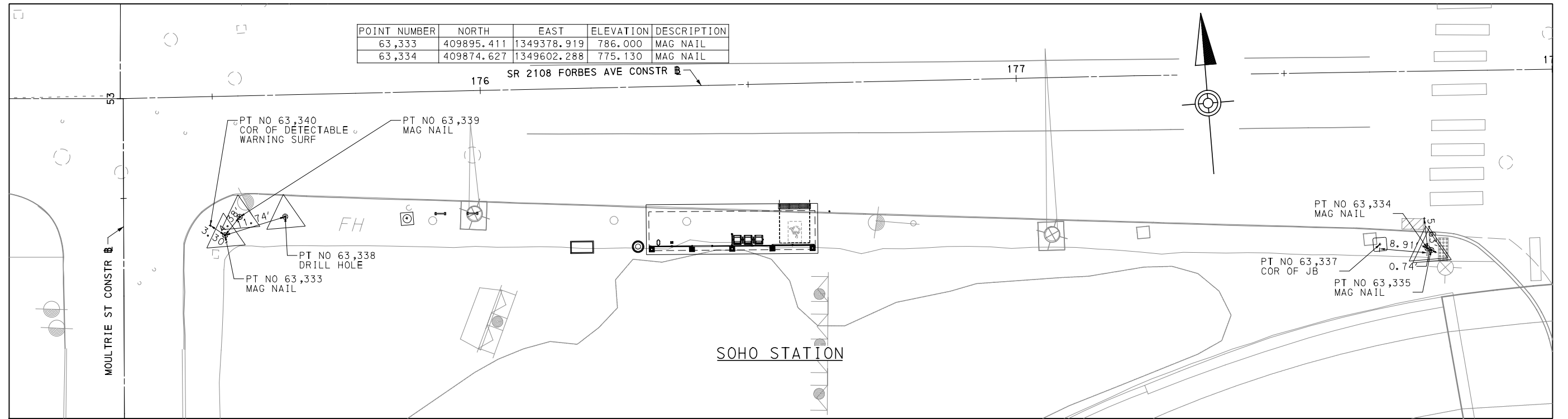


CONTRACT NO. BRT-001

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PREPARED BY:
awk
CONSULTING ENGINEERS, INC.
1225 RODI ROAD
TURTLE CREEK, PA 15145

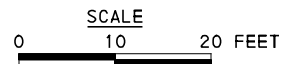
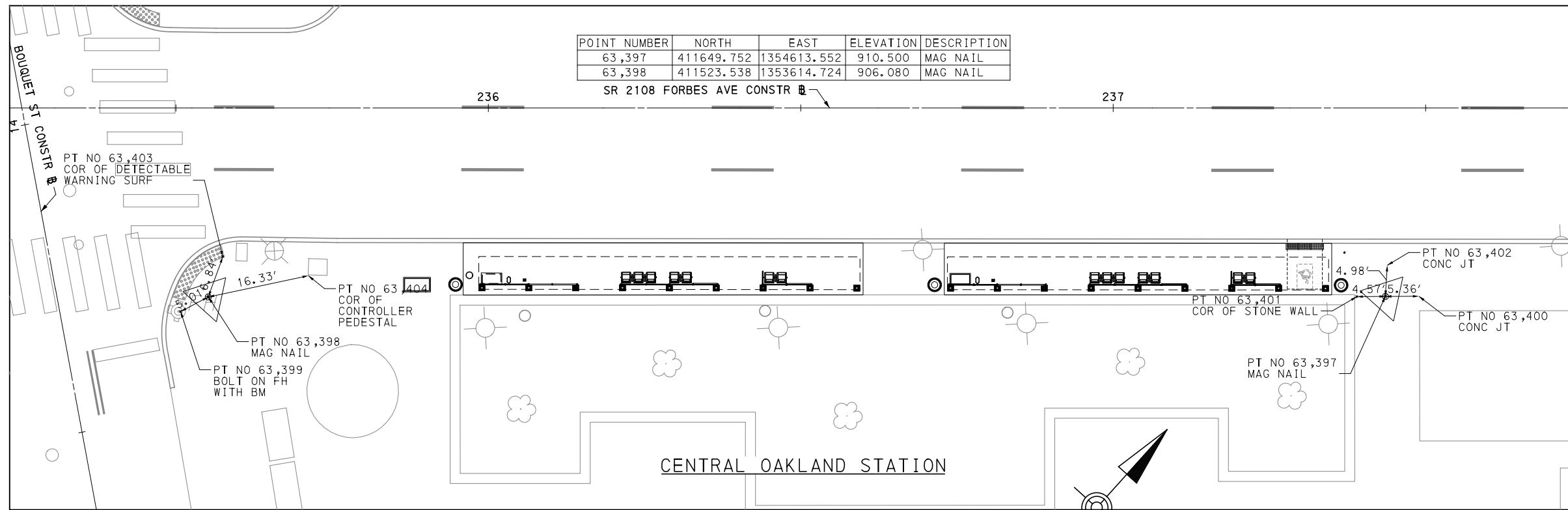
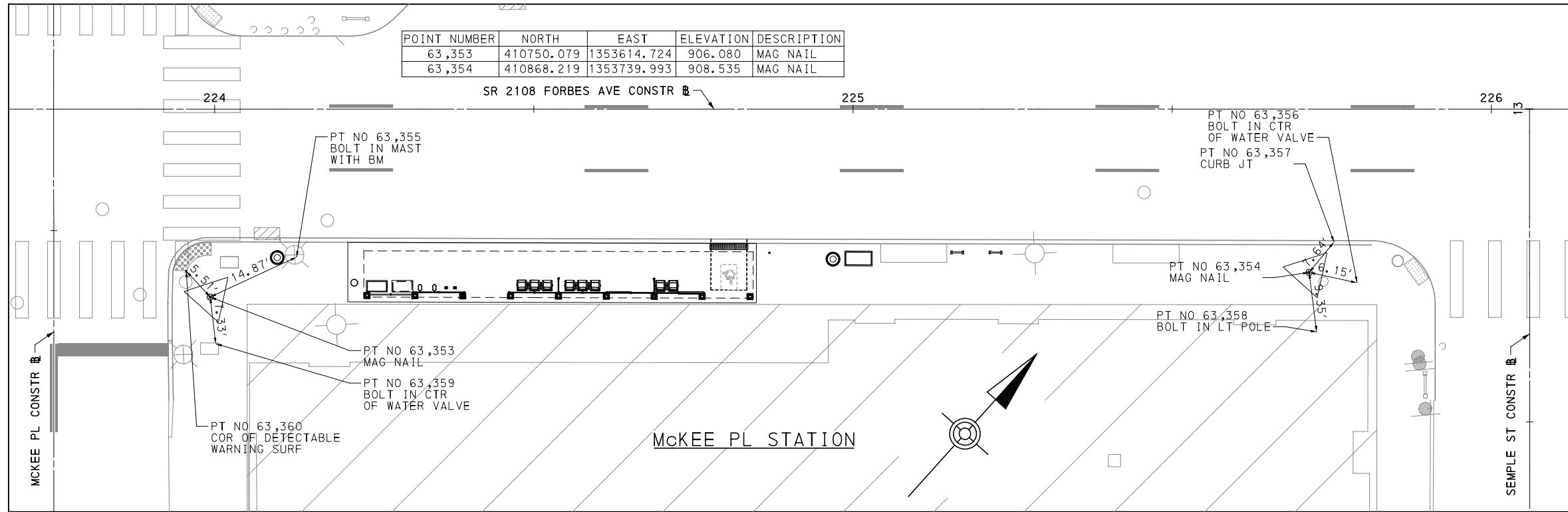
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND STATION CONTROL POINTS SOHO ST STATION & WEST OAKLAND STATION	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. GN38	SHT. 38



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707 Grant Street
5th Floor
Pittsburgh, PA 15219

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1225 RODI ROAD
TURTLE CREEK, PA 15145

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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
STATION CONTROL POINTS
MCKEE PLACE STATION & CENTRAL OAKLAND STATION



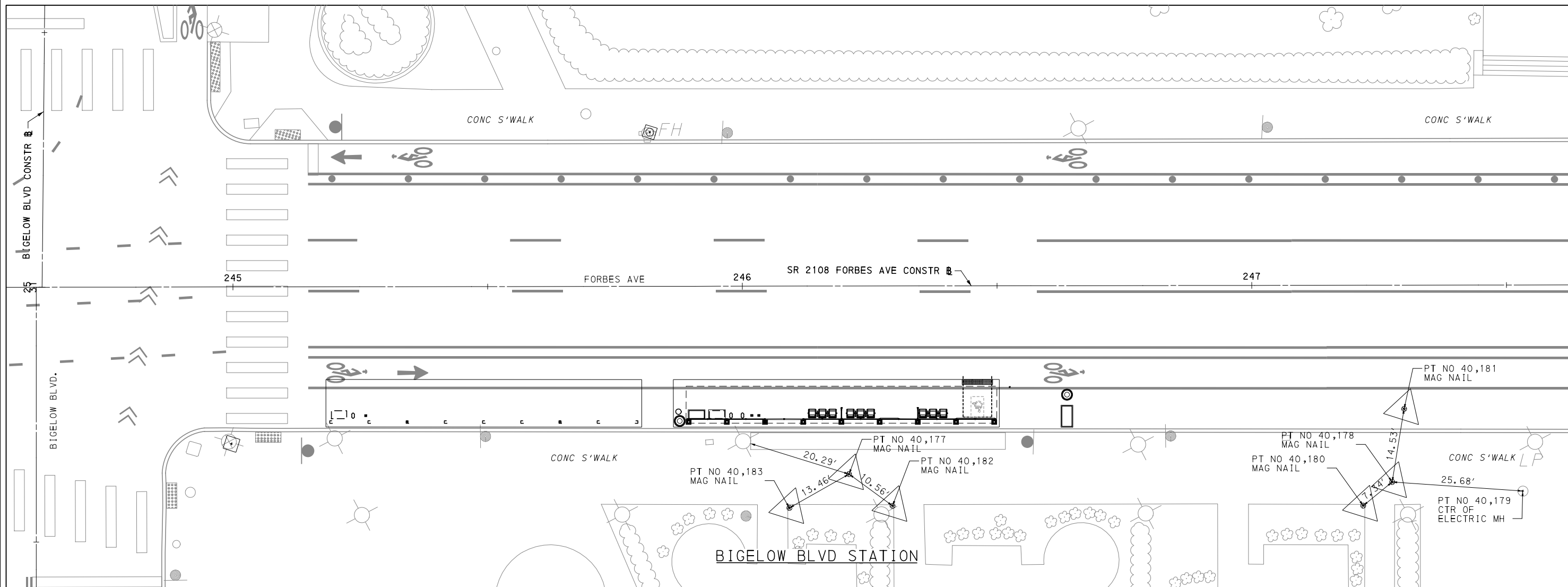
CONTRACT NO. BRT-001

DWG. NO. GN39 SHT. 39

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POINT NUMBER	NORTH	EAST	ELEVATION	DESCRIPTION
40,177	411963.786	1355407.411	898.124	MAG NAIL
40,178	411994.232	1355509.608	896.707	MAG NAIL



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 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 STATION CONTROL POINTS
 BIGELOW BLVD STATION

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CONTRACT NO. BRT-001
 DWG. NO. GN40 SHT. 40

SUMMARY OF QUANTITIES

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QUANTITY	ITEM NO	DESCRIPTION	QUANTITY	ITEM NO	DESCRIPTION	QUANTITY	ITEM NO	DESCRIPTION	QUANTITY	ITEM NO	DESCRIPTION
	UNIT			UNIT			UNIT			UNIT	
\$15,000	01313.001 PDA	PROJECT SIGNS, AS DIRECTED	\$150,000	01802.001 PDA	UNFORESEEN WATER POLLUTION CONTROL	4	01883.002 EA	TEMPORARY MODIFICATION OF EXISTING TRAFFIC SIGNAL	1,211	02212.009 LF	POLE FOUNDATION DRILLING, LESS THAN 30" DIAMETER
1	01321.001 LS	PROJECT SCHEDULING	1	01805.001 LS	MOBILIZATION	237	01900.001 EA	DESIGN OF CURB RAMPS	798	02212.010 LF	POLE FOUNDATION DRILLING, 30" DIAMETER OR GREATER
\$240,000	01322.001 PDA	EARLY COMPLETION INCENTIVE	1	01806.001 LS	FIELD OFFICE	500	02020.001 TON	HANDLING AND DISPOSAL OF RESIDUAL WASTE MATERIALS	\$65,000	02216.001 PDA	UNFORESEEN WALL RESTORATION, AS DIRECTED
\$1,000,000	01706.001 PDA	MISCELLANEOUS UNFORESEEN CONSTRUCTION	\$1,411,000	01811.001 PDA	CITY OF PITTSBURGH OFF-DUTY UNIFORMED POLICE OFFICER	\$200,000	02020.002 PDA	UNFORESEEN HANDLING AND DISPOSAL OF RESIDUAL WASTE MATERIALS	6,109	02218.001 CY	FOREIGN BORROW EXCAVATION
\$200,000	01706.002 PDA	MISCELLANEOUS UNFORESEEN REPAIRS	1	01860.001 LS	CONSTRUCTION NOISE AND VIBRATION CONTROL	1	02030.001 LS	HAZARDOUS MATERIAL INVESTIGATION, SAMPLING AND REPORTING	\$160,000	02220.001 PDA	MISCELLANEOUS UNFORESEEN DEMOLITION
\$50,000	01706.003 PDA	MISCELLANEOUS UNFORESEEN SPARE PARTS	\$40,000	01870.001 PDA	UNFORESEEN ARCHAEOLOGIC DISCOVERY HANDLING	278	02030.002 EA	ASBESTOS BULK SAMPLE ANALYSIS	4,998	02220.002 LFR	REMOVAL OF TROLLEY TRACKS
\$500,000	01720.001 PDA	UNFORESEEN PRIVATE SERVICE LINE CONSTRUCTION - WATER, AS DIRECTED	1	01881.001 LS	MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION	93	02030.003 EA	LEAD PAINT CHIP ANALYSIS	\$150,000	02220.003 PDA	UNFORESEEN REMOVAL OF TROLLEY TRACKS
\$500,000	01720.002 PDA	UNFORESEEN PRIVATE SERVICE LINE CONSTRUCTION - SANITARY, AS DIRECTED	1,796	01881.002 LF	4" STANDARD PAVEMENT MARKINGS, PAINT & BEADS, YELLOW	\$25,000	02030.004 PDA	MISCELLANEOUS UNFORESEEN HAZARDOUS MATERIAL SURVEY, SAMPLING AND ANALYSIS	1	02220.004 LS	REMOVAL AND BACKFILL OF EXISTING CANTILEVER SIGN STRUCTURE
\$500,000	01720.003 PDA	UNFORESEEN PRIVATE SERVICE LINE CONSTRUCTION - GAS, AS DIRECTED	39,555	01881.003 LF	4" STANDARD PAVEMENT MARKINGS, PAINT & BEADS, WHITE	\$100,000	02030.005 PDA	MISCELLANEOUS UNFORESEEN HAZARDOUS MATERIAL ABATEMENT	1	02231.001 LS	CLEARING AND GRUBBING
\$500,000	01720.004 PDA	UNFORESEEN PRIVATE SERVICE LINE CONSTRUCTION - ELECTRIC, AS DIRECTED	1,207	01881.004 LF	6" STANDARD PAVEMENT MARKINGS, PAINT & BEADS, WHITE	8	02085.001 EA	PWSA 6" GATE VALVE	\$400,000	02317.001 PDA	REMOVE OR BACKFILL OF UNFORESEEN UTILITY FACILITIES
\$200,000	01721.001 PDA	MISCELLANEOUS UNFORESEEN PWSA LEAD WATERLINE CONSTRUCTION	944	01881.005 LF	8" STANDARD PAVEMENT MARKINGS, PAINT & BEADS, WHITE	1	02085.002 EA	PWSA 4" GATE VALVE	738	02317.002 LF	PWSA REMOVE AND SEAL ABANDONED UTILITY PIPES (12"-24")
1	01784.001 LS	MAINTENANCE AND PROTECTION OF PEDESTRIAN AND BICYCLE TRAFFIC	744	01881.006 LF	24" STANDARD PAVEMENT MARKINGS, PAINT & BEADS, WHITE	7	02085.003 EA	PWSA RELOCATE EXISTING VALVE	343	02317.003 LF	PWSA REMOVE ABANDONED UTILITY DUCTS
7,208	01784.002 LF	CONSTRUCTION FENCE, CHAIN LINK MESH ON PORTABLE SUPPORT	11	01881.007 EA	WHITE WATERBORNE LEGEND, "LEFT ARROW" 12'-0" X 3'-0"	6	02085.004 EA	PWSA REPLACE EXISTING VALVE	831	02317.004 LF	PWSA GI REMOVE AND SEAL ABANDONED UTILITY PIPES (12"-24")
30,832	01784.003 LF	RESET CONSTRUCTION FENCE	10	01881.008 EA	WHITE WATERBORNE LEGEND, "RIGHT ARROW" 12'-0" X 3'-0"	5	02086.001 EA	PWSA FIRE HYDRANT	543	02317.005 LF	PWSA GI REMOVE ABANDONED CONCRETE UTILITY DUCTS
15	01786.001 EA	CITY OF PITTSBURGH SURVEY MONUMENT	5	01881.009 EA	WHITE WATERBORNE LEGEND, *ONLY", 8'-0*	11	02086.002 EA	PWSA RESET FIRE HYDRANT	353	02320.001 CY	AASHTO NO. 57 COARSE AGGREGATE
1	01791.001 LS	REMOVE, STORE, AND RESET EXISTING COMPONENTS	12	01881.010 EA	WHITE WATERBORNE LEGEND, *THRU AND RIGHT ARROW", 20'-0" X 3'-7*	5	02086.003 EA	PWSA FIRE HYDRANT REMOVAL	168	02320.002 CY	PENNDOT NO. 2A AGGREGATE
5,421	01795.001 LF	TEMPORARY CONCRETE BARRIER	9	01881.011 EA	WHITE WATERBORNE LEGEND, *THRU AND LEFT ARROW", 20'-0" X 3'-7*	\$200,000	02212.001 PDA	UNFORESEEN EXPLORATORY INVESTIGATIONS, AS-DIRECTED	67	02320.006 CY	PENNDOT TYPE D FLOWABLE BACKFILL
27	01795.002 EA	TEMPORARY END TRANSITION	4,205	01881.012 DAY	ADDITIONAL TYPE B LIGHTS	1	02212.002 EA	PWSA GI EXPLORATORY EXCAVATION AND BACKFILL (POTHOLING)	187	02341.001 CY	SUBGRADE UNDERCUT, AS SPECIFIED
20	01795.003 EA	TEMPORARY IMPACT ATTENUATING DEVICE	20,640	01881.013 DAY	ADDITIONAL TYPE C LIGHTS	3	02212.003 EA	VAULT EXPLORATION	122	02341.002 CY	SUBGRADE UNDERCUT, AS DIRECTED
23,101	01795.004 LF	RESET TEMPORARY CONCRETE BARRIER	1,000	01881.014 SF	ADDITIONAL TRAFFIC CONTROL SIGNS	38	02212.004 CY	PWSA EXPLORATORY INVESTIGATIONS, WATER LINE LOCATION	30,019	02353.001 LF	GEOTEXTILE, CLASS I
69	01795.005 EA	RESET TEMPORARY IMPACT ATTENUATING DEVICE	\$100,000	01881.015 PDA	MISCELLANEOUS UNFORESEEN MAINTENANCE AND PROTECTION OF TRAFFIC	1	02212.005 EA	EXPLORATORY INVESTIGATIONS, CUT-IN-WYE A24-1A	9,358	02353.002 SY	GEOTEXTILE, CLASS 4, TYPE A
26	01795.006 EA	RESET TEMPORARY END TRANSITION	8	01882.001 EA	TEMPORARY TRAFFIC SIGNAL TIMING MODIFICATIONS	20	02212.006 EA	EXPLORATORY INVESTIGATIONS, OFFSET POLE FOUNDATION	2,009	02353.003 SY	GEOTEXTILE, CLASS 4, TYPE C
\$330,000	01796.001 PDA	REPAIR TEMPORARY IMPACT ATTENUATING DEVICE	71	01882.002 EA	TRAFFIC SIGNAL TIMING MODIFICATIONS	1	02212.007 LS	EXPLORATORY INVESTIGATIONS, KIRKPATRICK PARKING LOT	292	02513.001 LF	PWSA 6" DUCTILE IRON PIPE
1	01800.001 LS	EROSION AND SEDIMENTATION CONTROL	3	01883.001 EA	TEMPORARY TRAFFIC SIGNAL	10	02212.008 EA	VAULT SLAB THICKNESS EXPLORATORY DRILLING	103	02513.002 LF	PWSA 8" DUCTILE IRON PIPE



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(NOT FOR CONSTRUCTION)

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DRAWN	JMS
CHECKED	MES
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND

SUMMARY OF QUANTITIES

Port Authority
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CONTRACT NO. BRT-001
DWG. NO. GN41 SHT. 41

SUMMARY OF QUANTITIES

QUANTITY	ITEM NO	DESCRIPTION	QUANTITY	ITEM NO	DESCRIPTION	QUANTITY	ITEM NO	DESCRIPTION	QUANTITY	ITEM NO	DESCRIPTION
	UNIT			UNIT			UNIT			UNIT	
51	02513 .004 LF	PWSA 15" DUCTILE IRON PIPE	\$400,000	02532 .009 PDA	MISCELLANEOUS UNFORESEEN ASPHALT BASE PAVEMENT	135	02630 0.01 LF	PWSA GI 8" DIAMETER SDR-35 PVC PIPE	6	02633 .007 EA	PWSA DOGHOUSE MANHOLE, WITH MANHOLE FRAME AND COVER
45	02513 .005 LF	PWSA 20" DUCTILE IRON PIPE	6,290	02550 .001 SY	MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH	404	02630 .02 LF	PWSA GI 8" DIAMETER HDPE PERFORATED PIPE	13	02633 .008 EA	PWSA 4' DIAMETER PWSA MANHOLE, WITH MANHOLE FRAME AND COVER
11,700	02513 .006 LB	PWSA DUCTILE IRON WATER MAIN FITTINGS	1,368	02550 .002 SY	MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH	103	02630 0.03 LF	PWSA GI 10" DIAMETER HDPE SOLID PIPE	2	02633 .009 EA	PWSA MANHOLE SA-10C, WITH MANHOLE FRAME AND COVER
10	02513 .007 EA	PWSA TEE AND VALVE INSTALLATION	795	02550 .003 SY	MILLING OF ASPHALT PAVEMENT SURFACE, 3 1/2" DEPTH	263	02630 0.04 LF	PWSA GI 12" DIAMETER HDPE SOLID PIPE	12	02633 .010 EA	PWSA CORE HOLE IN EXISTING DRAINAGE STRUCTURE
2	02513 .011 EA	PWSA 8" CAP	46,894	02550 .004 SY	MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH	19	02630 .05 EA	PWSA GI PVC CLEANOUTS	63	02633 .011 EA	PWSA CONCRETE COLLAR FOR PIPE CONNECTION
1	02513 .012 EA	PWSA 12" CAP	\$120,000	02550 .005 PDA	MISCELLANEOUS UNFORESEEN MILLING OF ASPHALT PAVEMENT SURFACE	27	02630 .06 LF	PWSA GI 8" DIAMETER DUCTILE IRON PIPE	45	02633 .012 EA	PWSA CLEANING DRAINAGE STRUCTURES
2	02513 .013 EA	PWSA 20" CAP	3,410	02555 .001 SY	MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH	12	02630 .07 EA	PWSA GI GEOMEMBRANE PIPE PENETRATION (BOOT SEAL)	1,885	02633 .013 LF	PWSA CLEANING DRAINAGE PIPE
40	02513 .016 CY	PWSA CONCRETE ANCHOR AND THRUST BLOCK	\$200,000	02555 .002 PDA	MISCELLANEOUS UNFORESEEN MILLING OF CEMENT CONCRETE PAVEMENT SURFACE	20	02630 .08 EA	PWSA GI HDPE ANTI-SEEP COLLAR	87	02633 .014 EA	PWSA DRAINAGE STRUCTURE REMOVAL
58	02513 .025 LF	PWSA 8" WATERLINE ABANDONMENT	633	02610 .001 LF	6" PVC PIPE, SDR 26	3	02630 .09 EA	PWSA GI CATCH BASIN, TYPE 13, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE	\$200,000	02633 .017 PDA	PWSA UNFORESEEN SEWER REPAIRS
15	02513 .026 LF	PWSA 20" WATERLINE ABANDONMENT	196	02610 .002 LF	3" PVC PIPE, SDR 26	1	02630 .10 EA	PWSA GI CATCH BASIN, TYPE 13 MODIFIED	1	02633 .018 EA	PWSA CATCH BASIN, PWSA, TYPE 13, WITH 4-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
\$150,000	02513 .027 PDA	PWSA MISCELLANEOUS UNFORESEEN WATERLINE PIPING	714	02610 .003 LF	4" PVC PIPE, SDR 26	1	02630 .12 EA	PWSA GI GREEN INFRASTRUCTURE (GI) CONTROL STRUCTURE, PWSA TYPE 5 CATCH BASIN WITH WEIR	6	02633 .019 EA	PWSA RECESSED CATCH BASIN CONVERSION
7	02515 .002 EA	PWSA 1.25" TO 2" WATER SERVICE CONNECTION	5	02610 .004 EA	SEWER TAP TO EXISTING SEWER WYE	2	02630 .13 EA	PWSA GI 24" DIAMETER PVC CATCH BASIN WITH SOLID LID	2	02633 .020 EA	PWSA CATCH BASIN, PWSA, TYPE 13 REVERSE MODIFIED, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
578	02521 .001 SY	SUBBASE 8" DEPTH (NO. 2A)	1	02610 .005 EA	CUT-IN WYE PIPE TRANSITION	18	02630 .14 EA	PWSA GI PIPE TRASH GUARD	7	02633 .21 EA	PWSA GI CATCH BASIN / INLET TIE-IN
33,566	02521 .002 SY	SUBBASE 6" DEPTH (NO. 2A)	1,573	02610 .006 LF	PWSA 15" PVC PIPE, SDR 26	13	02630 .15 EA	PWSA GI INLET DEFLECTION PAN (24" X 26")	3	02633 .22 EA	PWSA GI TIE-IN / CONNECTION TO EXISTING MANHOLE
5,152	02521 .003 SY	SUBBASE 4" DEPTH (NO. 2A)	195	02610 .007 LF	PWSA 15" DUCTILE IRON PIPE	6	02630 .16 EA	PWSA GI 2' X 2' PRECAST CONCRETE INLET	3,802	02633 .001 LF	PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT BICYCLE SAFE GRATE
2,805	02521 .004 CY	SUBBASE (NO. 2A)	398	02610 .008 LF	PWSA 6" PVC PIPE, SDR 26	12	02630 .17 EA	PWSA GI GREEN INFRASTRUCTURE (GI) CONTROL STRUCTURE, TYPE 13 CATCH BASIN WITH WEIR	7	02633 .02 LF	PWSA GI 18" CONCRETE TRENCH DRAIN WITH ADA COMPLIANT BICYCLE SAFE GRATE
\$150,000	02521 .005 PDA	MISCELLANEOUS UNFORESEEN SUBBASE	676	02610 .009 LF	PWSA DRAINAGE PIPE REMOVAL	19	02630 .18 EA	PWSA GI CHAMBER SYSTEM INSPECTION PORT	93	02633 .001 EA	PWSA GRADE ADJUSTMENT OF EXISTING PWSA MANHOLE
58,058	02532 .001 SY	SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H	\$300,000	02610 .013 PDA	MISCELLANEOUS UNFORESEEN PIPE CONSTRUCTION	3	02630 .20 EA	PWSA GI JUNCTION BOX WITH WEIR	19	02633 .002 EA	PWSA GRADE ADJUSTMENT OF EXISTING PWSA INLET
10,307	02532 .003 SY	SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, < 0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H	3	02610 .014 EA	PWSA CORED WYE OR TEE CONNECTION TO EXISTING SEWER	51	02630 .21 LF	PWSA GI 8" DIAMETER SDR-26 PVC PIPE	526	02633 .003 EA	PWSA GRADE ADJUSTMENT OF EXISTING PWSA VALVE
501	02532 .004 SY	SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH	17	02610 .015 EA	PWSA CUT-IN WYE OR TEE PIPE TRANSITION	425	02630 .22 LF	PWSA GI 8" DIAMETER HDPE SOLID PIPE	175	02639 .001 VF	PWSA REBUILT MANHOLE
392	02532 .005 SY	SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, < 0.3 MILLION ESALS, 25.0 MM MIX, 4 1/2" DEPTH	1,256	02615 .001 LF	PWSA TRENCH RESTORATION (PIPE INSTALLATION)	14	02630 .23 LF	PWSA GI 15" DIAMETER PVC SOLID PIPE	125	02639 .002 VF	PWSA REBUILT INLET BOX
5,152	02532 .006 SY	SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, < 0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH	20	02615 .002 LF	TRENCH RESTORATION (PIPE INSTALLATION)	19	02633 001 EA	PWSA CATCH BASIN, PWSA TYPE 13 MODIFIED, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE	1	02639 .003 EA	PWSA REBUILT INLET BOX WITH MANHOLE TOP
10,275	02532 .007 TON	SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO < 30 MILLION ESALS, 19.0 MM MIX	101	02620 .001 LF	THROUGH CURB RAIN LEADER	74	02633 002 EA	PWSA CATCH BASIN, PWSA, TYPE 13, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE	1	02640 .001 LS	STORMWATER MANAGEMENT SYSTEM FOR KIRKPATRICK PARKING LOT
\$450,000	02532 .008 PDA	MISCELLANEOUS UNFORESEEN ASPHALT WEARING PAVEMENT	29,994	02627 .001 LF	4" PAVEMENT BASE DRAIN	2	02633 005 EA	PWSA STORM INLET, PWSA, TYPE 13, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE	116,696	02741 .001 SY	ASPHALT TACK COAT



Gulf Tower
707 Grant Street
5th Floor
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CHECKED	MES
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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
SUMMARY OF QUANTITIES



CONTRACT NO. BRT-001

DWG. NO. GN42 SHT. 42

SUMMARY OF QUANTITIES

QUANTITY	ITEM NO	DESCRIPTION	QUANTITY	ITEM NO	DESCRIPTION	QUANTITY	ITEM NO	DESCRIPTION	QUANTITY	ITEM NO	DESCRIPTION
	UNIT			UNIT			UNIT			UNIT	
7,824	02750.001 SY	REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH	1	02761.019 EA	WHITE HOT THERMOPLASTIC LEGEND, *BIKE LANE REDUCTION TRANSITION ARROW * RIGHT LANE *, 9*-0* X 2*-9*	59	02763.006 LF	24" WHITE EPOXY PAVEMENT MARKINGS	\$180,000	02785.002 PDA	MISCELLANEOUS UNFORESEEN CONCRETE SIDEWALK
2,498	02750.002 SY	REINFORCED ACCELERATED CONCRETE PAVEMENT, 8" DEPTH	37	02761.020 EA	WHITE HOT THERMOPLASTIC LEGEND "CHEVRON"	2	02763.008 EA	WHITE EPOXY LEGEND "BUS", 8'-0"	1,347	02786.002 SY	EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN
228	02750.003 SY	PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH	1	02761.021 EA	WHITE HOT THERMOPLASTIC LEGEND "BICYCLE DETECTOR SYMBOL"	2	02763.009 EA	WHITE EPOXY LEGEND "ONLY" 8'-0"	113	02786.004 CY	EXPOSED AGGREGATE CONCRETE, BROWN
216	02750.06 CY	PWSA GI CONCRETE PAVING BASE (ALL CLASSES)	2	02761.022 EA	WHITE HOT THERMOPLASTIC LEGEND, "YIELD TO PEDS"	1	02763.012 EA	WHITE EPOXY LEGEND "STRAIGHT ARROW" 12'-0" X 1'-8"	27	02786.005 SY	ACCELERATED EXPOSED AGGREGATE CONCRETE, BROWN, 8" DEPTH
\$175,000	02750.007 PDA	MISCELLANEOUS UNFORESEEN CONCRETE PAVEMENT	115	02761.023 LF	WHITE HOT THERMOPLASTIC LEGEND, "BIKE LANE YIELD LINE", 12" X 18" TRIANGLE, (MIN 3 TRIANGLES PER LINE)	13	02763.015 EA	WHITE EPOXY LEGEND "BICYCLE WITH RIDER", 6'-0" X 3'-4"	\$100,000	02786.006 PDA	MISCELLANEOUS UNFORESEEN EXPOSED AGGREGATE CONCRETE SIDEWALK
6,041	02755.001 SY	ACCELERATED CONCRETE PAVEMENT PATCHING, AS DIRECTED	17	02761.024 LF	WHITE HOT THERMOPLASTIC LEGEND, "YIELD LINE", 24" X 36" TRIANGLE, (MIN 4 TRIANGLES PER LINE)	14	02763.016 EA	WHITE EPOXY LEGEND "STRAIGHT ARROW", 6'-0" X 1'-4"	76	02788.001 SY	BRICK SURFACING
1,931	02757.001 LF	TRANSVERSE JOINT CLEANING	2	02761.026 EA	WHITE HOT THERMOPLASTIC LEGEND, "LANE REDUCTION TRANSITION ARROW - RIGHT LANE", 18'-0" X 5'-6"	10	02763.017 EA	WHITE EPOXY LEGEND "PED SYMBOL", 6'-0" X 3'-4"	53	02788.002 SY	REMOVE AND RESET BRICK SIDEWALK
21,158	02761.001 LF	4" WHITE HOT THERMOPLASTIC PAVEMENT MARKINGS	1,380	02761.027 LF	6" YELLOW HOT THERMOPLASTIC PAVEMENT MARKINGS	43	02763.020 EA	WHITE EPOXY LEGEND "CHEVRON"	81	02790.001 SY	REMOVE, STORE AND RESET INTERLOCKING PAVERS
11,462	02761.002 LF	4" YELLOW HOT THERMOPLASTIC PAVEMENT MARKINGS	1,203	02761.028 LF	12" YELLOW HOT THERMOPLASTIC PAVEMENT MARKINGS	2	02763.021 EA	WHITE EPOXY LEGEND "BICYCLE DETECTOR SYMBOL"	946	02840.001 LF	ORNAMENTAL RAILING
18,041	02761.003 LF	6" WHITE HOT THERMOPLASTIC PAVEMENT MARKINGS	159,509	02762.001 SF	RED BUS LANE	\$100,000	02763.027 PDA	MISCELLANEOUS UNFORESEEN PAVEMENT MARKINGS	1	02889.001 EA	LED LUMINAIRE CITY STANDARD, GRAY
14,157	02761.004 LF	8" WHITE HOT THERMOPLASTIC PAVEMENT MARKINGS	2,149	02762.002 LF	24" GREEN MMA PAVEMENT MARKINGS	57,470	02764.001 SF	PAVEMENT MARKING REMOVAL	49	02889.002 EA	LED LUMINAIRE CITY STANDARD, BLACK
2,027	02761.005 LF	12" WHITE HOT THERMOPLASTIC PAVEMENT MARKINGS	3,937	02762.003 SF	GREEN MMA PAVEMENT MARKING	129	02764.002 EA	PAVEMENT MARKING LEGEND REMOVAL	21	02890.001 EA	TRAFFIC SIGNAL CONTROLLER ASSEMBLY, TYPE 2070 LC WITH TYPE 332 BASE MOUNTED CABINET
13,279	02761.006 LF	24" WHITE HOT THERMOPLASTIC PAVEMENT MARKINGS	1	02762.004 EA	4' X 12' BIKE BOX	74	02765.001 EA	FLEXIBLE DELINEATOR POST, SURFACE MOUNT TYPE SM-1, WHITE POST WITH WHITE SHEETING	2	02890.002 EA	TRAFFIC SIGNAL CONTROLLER ASSEMBLY, TYPE 2070 LC IN EXISTING CABINET
323	02761.007 LF	24" YELLOW HOT THERMOPLASTIC PAVEMENT MARKINGS	1	02762.005 EA	5' X 10' BIKE BOX	65	02765.002 EA	FLEXIBLE DELINEATOR POST, SURFACE MOUNT TYPE SM-1, YELLOW POST WITH YELLOW SHEETING	26	02890.003 EA	ETHERNET SWITCH
60	02761.008 EA	WHITE HOT THERMOPLASTIC LEGEND "BUS", 8'-0"	1	02762.006 EA	5' X 12' BIKE BOX	28,147	02781.001 LF	REINFORCED CEMENT CONCRETE CURB	3	02890.004 EA	TEMPORARY TRAFFIC SIGNAL CONTROLLER
60	02761.009 EA	WHITE HOT THERMOPLASTIC LEGEND "ONLY", 8'-0"	2	02762.007 EA	9' X 8' BIKE BOX	1,954	02781.002 LF	REINFORCED ACCELERATED CONCRETE CURB	28	02890.005 EA	GPS TIME CLOCK
49	02761.010 EA	WHITE HOT THERMOPLASTIC LEGEND "LEFT ARROW", 12'-0" X 3'-0"	1	02762.008 EA	10' X 16' BIKE BOX	1,604	02781.003 LF	PLAIN CONCRETE MOUNTABLE CURB, TYPE A	6	02890.006 EA	TRAFFIC SIGNAL CONTROLLER ASSEMBLY FOUNDATION, FUTURE INSTALLATION OF TYPE 332 BASE MOUNTED CABINET AND 8" RISER
93	02761.011 EA	WHITE HOT THERMOPLASTIC LEGEND "RIGHT ARROW", 12'-0" X 3'-0"	1	02762.009 EA	10' X 17' BIKE BOX	1,353	02781.004 LF	CURB CHEEK WALL	1	02890.007 EA	TUNNEL PREEMPTION CONNECTION
7	02761.012 EA	WHITE HOT THERMOPLASTIC LEGEND "STRAIGHT ARROW", 12'-0" X 1'-8"	1	02762.010 EA	10' X 12'-6" BIKE BOX	410	02781.005 LF	REINFORCED CEMENT CONCRETE CURB, 36"	1,610	02891.001 SF	POST MOUNTED SIGNS, TYPE B
4	02761.013 EA	WHITE HOT THERMOPLASTIC LEGEND "THRU AND RIGHT ARROW", 20'-0" X 3'-7"	1	02762.011 EA	40' X 5' BIKE BOX	8	02781.006 EA	CONCRETE CURB STOP	1,364	02891.003 SF	POST MOUNTED SIGNS, TYPE F
3	02761.014 EA	WHITE HOT THERMOPLASTIC LEGEND "THRU AND LEFT ARROW", 20'-0" X 3'-7"	3	02762.012 EA	8' X 10' BIKE BOX	528	02781.1.07 LF	PWSA GI REINFORCED CONCRETE CURB, 36"	1,824	02891.007 SF	STRUCTURE MOUNTED FLAT SHEET ALUMINUM SIGNS WITH STIFFENERS
126	02761.015 EA	WHITE HOT THERMOPLASTIC LEGEND "BICYCLE WITH RIDER", 6'-0" X 3'-4"	3,674	02763.001 LF	4" WHITE EPOXY PAVEMENT MARKINGS	\$200,000	02781.008 PDA	MISCELLANEOUS UNFORESEEN CONCRETE CURB	91	02891.011 EA	RESET POST MOUNTED SIGNS, TYPE B
122	02761.016 EA	WHITE HOT THERMOPLASTIC LEGEND "STRAIGHT ARROW", 6'-0" X 1'-4"	1,183	02763.002 LF	4" YELLOW EPOXY PAVEMENT MARKINGS	551	02783.001 SY	CONCRETE BUFFER	93	02891.013 EA	RESET POST MOUNTED SIGNS, TYPE F
3	02761.018 EA	WHITE HOT THERMOPLASTIC LEGEND "LANE REDUCTION TRANSITION ARROW - LEFT LANE", 18'-0" X 5'-6"	296	02763.004 LF	8" WHITE EPOXY PAVEMENT MARKINGS	27,985	02785.001 SY	REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH	17	02891.021 EA	RESET STRUCTURE MOUNTED FLAT SHEET ALUMINUM SIGN WITH STIFFENERS



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PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
SUMMARY OF QUANTITIES



CONTRACT NO. BRT-001

DWG. NO. GN43 SHT. 43

SUMMARY OF QUANTITIES

QUANTITY	ITEM NO	DESCRIPTION	QUANTITY	ITEM NO	DESCRIPTION	QUANTITY	ITEM NO	DESCRIPTION	QUANTITY	ITEM NO	DESCRIPTION
	UNIT			UNIT			UNIT			UNIT	
173	02891.031 EA	REMOVE POST MOUNTED SIGNS TYPE B	5	02892.209 EA	TRAFFIC SIGNAL SUPPORT, 34' MAST ARM WITH LUMINAIRE ARM (30' MOUNTING HEIGHT), PAINTED BLACK	3	02893.003 EA	REMOVE EXISTING MAST ARM	158	02897.001 EA	CITY OF PITTSBURGH STANDARD CONCRETE JUNCTION BOX, TYPE 1
286	02891.032 EA	REMOVE POST MOUNTED SIGNS TYPE F	2	02892.210 EA	TRAFFIC SIGNAL SUPPORT, 36' MAST ARM WITH LUMINAIRE ARM (30' MOUNTING HEIGHT), PAINTED BLACK	23	02893.004 EA	REMOVE AND REPLACE EXISTING LUMINAIRE	3	02897.010 EA	REPLACE EXISTING JUNCTION BOX LID
13	02891.033 EA	REMOVE STRUCTURE MOUNTED FLAT SHEET ALUMINUM SIGN	2	02892.213 EA	TRAFFIC SIGNAL SUPPORT, 40' MAST ARM WITH LUMINAIRE ARM (30' MOUNTING HEIGHT), PAINTED BLACK	29	02893.005 EA	REMOVE LUMINAIRE AND ARM	24	02897.011 EA	CONNECT TO EXISTING JUNCTION BOX
\$25,000	02891.035 PDA	MISCELLANEOUS UNFORESEEN SIGNAGE	2	02892.214 EA	TRAFFIC SIGNAL SUPPORT, 46' MAST ARM WITH LUMINAIRE ARM (30' MOUNTING HEIGHT), PAINTED BLACK	1	02893.006 EA	REMOVE EXISTING POLE AND ENTIRE FOUNDATION	7	02897.012 EA	REMOVE EXISTING JUNCTION BOX
2	02892.002 EA	TRAFFIC SIGNAL SUPPORT, 19' TYPE X, PAINTED GRAY	1	02892.301 EA	TRAFFIC SIGNAL SUPPORT, 20' MAST ARM AND 30' MAST ARM WITH LUMINAIRE ARM (30' MOUNTING HEIGHT), PAINTED BLACK	142	02894.001 EA	VEHICULAR SIGNAL HEAD, THREE 12" SECTIONS	26,486	02898.001 LF	TRENCH AND BACKFILL TYPE I
23	02892.003 EA	TRAFFIC SIGNAL SUPPORT, 15' TYPE X, PAINTED BLACK	1	02892.302 EA	TRAFFIC SIGNAL SUPPORT, 20' MAST ARM AND 32' MAST ARM WITH LUMINAIRE ARM (30' MOUNTING HEIGHT), PAINTED BLACK	3	02894.002 EA	VEHICULAR SIGNAL HEAD, FOUR 12" SECTIONS	2,924	02898.002 LF	TRENCH AND BACKFILL TYPE II
13	02892.004 EA	TRAFFIC SIGNAL SUPPORT, 19' TYPE X, PAINTED BLACK	1	02892.400 EA	TRAFFIC SIGNAL SUPPORT, 15' MAST ARM WITH LUMINAIRE ARM (30' MOUNTING HEIGHT), (FOUNDATION ONLY)	1	02894.003 EA	VEHICULAR SIGNAL HEAD, FIVE 12" SECTIONS	4,831	02898.005 LF	TRENCH AND BACKFILL TYPE IV
11	02892.005 EA	TRAFFIC SIGNAL SUPPORT, 30' TYPE X-L WITH LUMINAIRE ARM, PAINTED BLACK	1	02892.401 EA	TRAFFIC SIGNAL SUPPORT, 44' MAST ARM WITH LUMINAIRE ARM (30' MOUNTING HEIGHT), PAINTED BLACK (POLE ONLY)	23	02894.004 EA	BICYCLE SIGNAL HEAD, THREE 8" SECTIONS	20,368	02899.002 LF	2 INCH CONDUIT
1	02892.006 EA	TRAFFIC SIGNAL SUPPORT, 15' TYPE X, PAINTED BLACK (POLE ONLY)	1	02892.403 EA	TRAFFIC SIGNAL SUPPORT, 30' MAST ARM, (FOUNDATION ONLY)	186	02894.005 EA	LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, TYPE A	46,139	02899.003 LF	3 INCH CONDUIT
3	02892.008 EA	TRAFFIC SIGNAL SUPPORT FOUNDATION, 15' TYPE X, (FOUNDATION ONLY)	15	02892.501 EA	EXISTING TRAFFIC SIGNAL SUPPORT, PAINTED BLACK	40	02894.006 EA	VEHICULAR SIGNAL HEAD, THREE 8" SECTIONS	60	02899.004 LF	2 INCH EXPOSED CONDUIT
1	02892.009 EA	TRAFFIC SIGNAL SUPPORT, 19' TYPE X, PAINTED BLACK (POLE ONLY)	1	02892.602 EA	TRAFFIC SIGNAL SUPPORT, 20' MAST ARM, PAINTED BLACK	10	02894.021 EA	RESET VEHICULAR SIGNAL HEAD	30	02899.005 LF	3 INCH EXPOSED CONDUIT
2	02892.011 EA	TRAFFIC SIGNAL SUPPORT, STRAIN POLE, 2,000 POUNDS DESIGN TENSION, PAINTED BLACK	3	02892.603 EA	TRAFFIC SIGNAL SUPPORT, 24' MAST ARM, PAINTED BLACK	2	02894.022 EA	RESET PEDESTRIAN SIGNAL HEAD	12,220	02899.006 LF	FIBER-OPTIC MICRODUCT
3	02892.012 EA	TRAFFIC SIGNAL SUPPORT, STRAIN POLE WITH LUMINAIRE ARM (30' MOUNTING HEIGHT), 4,000 POUNDS DESIGN TENSION, PAINTED BLACK	5	02892.604 EA	TRAFFIC SIGNAL SUPPORT, 28' MAST ARM, PAINTED BLACK	16	02894.031 EA	REMOVE VEHICULAR SIGNAL HEAD	6	02899.007 EA	INSTALL CONDUIT TO EXISTING TRAFFIC SIGNAL SUPPORT
1	02892.020 EA	PEDESTRIAN STUB POLE, TYPE B, PAINTED BLACK	4	02892.605 EA	TRAFFIC SIGNAL SUPPORT, 34' MAST ARM, PAINTED BLACK	4	02894.032 EA	REMOVE PEDESTRIAN SIGNAL HEAD	13,973	02900.001 LF	AWG 8, UNDERGROUND CABLE, COPPER, 1 CONDUCTOR
2	02892.021 EA	PEDESTRIAN STUB POLE, TYPE E, PAINTED BLACK	3	02892.606 EA	TRAFFIC SIGNAL SUPPORT, 36' MAST ARM, PAINTED BLACK	88	02895.001 EA	VIDEO DETECTION	22,323	02900.002 LF	SIGNAL CABLE, 14 AWG, 5 CONDUCTOR
1	02892.100 EA	TRAFFIC SIGNAL SUPPORT, 40' MAST ARM WITH LUMINAIRE ARM (30' MOUNTING HEIGHT), PAINTED GRAY	2	02892.607 EA	TRAFFIC SIGNAL SUPPORT, 46' MAST ARM, PAINTED BLACK	180	02895.002 EA	ACCESSIBLE PEDESTRIAN SIGNALS	23,483	02900.003 LF	SIGNAL CABLE, 14 AWG, 7 CONDUCTOR
1	02892.101 EA	TRAFFIC SIGNAL SUPPORT, 15' MAST ARM WITH LUMINAIRE ARM (30' MOUNTING HEIGHT), PAINTED GRAY	1	02892.608 EA	TRAFFIC SIGNAL SUPPORT, 42' MAST ARM, PAINTED BLACK	2	02895.003 EA	REMOVE PEDESTRIAN PUSH BUTTON/SIGN	225	02900.004 LF	AWG 8, ABOVE GROUND CABLE, COPPER, 1 CONDUCTOR
1	02892.202 EA	TRAFFIC SIGNAL SUPPORT, 20' MAST ARM WITH LUMINAIRE ARM (30' MOUNTING HEIGHT), PAINTED BLACK	1	02892.609 EA	TRAFFIC SIGNAL SUPPORT, 15' MAST ARM, PAINTED BLACK	1	02895.004 EA	RESET ACCESSIBLE PEDESTRIAN SIGNALS	\$100,000	02903.001 PDA	UNFORSEEN CONDUIT CLEANING AND REPAIRS
2	02892.203 EA	TRAFFIC SIGNAL SUPPORT, 22' MAST ARM WITH LUMINAIRE ARM (30' MOUNTING HEIGHT), PAINTED BLACK	1	02892.610 EA	TRAFFIC SIGNAL SUPPORT, 26' MAST ARM, PAINTED BLACK	23	02895.005 EA	DIGITAL WAVE RADAR DETECTION	7	02923.001 LB	SEEDING
5	02892.204 EA	TRAFFIC SIGNAL SUPPORT, 24' MAST ARM WITH LUMINAIRE ARM (30' MOUNTING HEIGHT), PAINTED BLACK	2	02892.611 EA	TRAFFIC SIGNAL SUPPORT, 30' MAST ARM, PAINTED BLACK	7	02896.002 EA	ELECTRICAL SERVICE, TYPE B	50	02923.002 CY	PLANTING MIX (FOR LAWN)
3	02892.205 EA	TRAFFIC SIGNAL SUPPORT, 26' MAST ARM WITH LUMINAIRE ARM (30' MOUNTING HEIGHT), PAINTED BLACK	1	02892.613 EA	TRAFFIC SIGNAL SUPPORT, 38' MAST ARM, PAINTED BLACK	2	02896.003 EA	ELECTRICAL SERVICE, TYPE C (EXISTING)	50	02923.003 CY	TOPSOIL (FOR LAWN)
1	02892.206 EA	TRAFFIC SIGNAL SUPPORT, 28' MAST ARM WITH LUMINAIRE ARM (30' MOUNTING HEIGHT), PAINTED BLACK	\$200,000	02892.635 PDA	MISCELLANEOUS UNFORESEEN TRAFFIC SIGNALS, AS DIRECTED	13	02896.004 EA	ELECTRICAL SERVICE, TYPE C (NEW)	60	02925.001 CY	FLEXIBLE POROUS PAVEMENT
5	02892.207 EA	TRAFFIC SIGNAL SUPPORT, 30' MAST ARM WITH LUMINAIRE ARM (30' MOUNTING HEIGHT), PAINTED BLACK	128	02893.001 EA	REMOVE EXISTING POLE	1	02896.005 EA	LUMINAIRE SERVICE DISCONNECT	5,069	02925.002 SF	GEOTEXTILE FILTER FABRIC
4	02892.208 EA	TRAFFIC SIGNAL SUPPORT, 32' MAST ARM WITH LUMINAIRE ARM (30' MOUNTING HEIGHT), PAINTED BLACK	20	02893.002 EA	REMOVE AND RELOCATE EXISTING LIGHT POLE	5	02896.006 EA	UNMETERED ELECTRIC SERVICE FOR STREET LIGHTING	47	02925.003 CY	#57 (2B) STONE



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BUS RAPID TRANSIT UPTOWN TO OAKLAND
SUMMARY OF QUANTITIES



CONTRACT NO. BRT-001

DWG. NO. GN44 SHT. 44

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SUMMARY OF QUANTITIES

QUANTITY	ITEM NO	DESCRIPTION	QUANTITY	ITEM NO	DESCRIPTION	QUANTITY	ITEM NO	DESCRIPTION	QUANTITY	ITEM NO	DESCRIPTION
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298	02930 .001 EA	TREES	263	03305 .001 CY	CLASS A CONCRETE, STATION SLABS	1	16010 .010 LS	BRT STATION - SOHO INBOUND, ELECTRICAL/COMMUNICATIONS INFRASTRUCTURE	10	16536 .003 EA	LED TEARDROP LUMINAIRE TYPE A ON A 25-FOOT FLUTED POLE
6,185	02930 .002 EA	ORNAMENTAL GRASS	52	03305 .002 CY	CLASS AA CONCRETE MODIFIED, VAULT ROOF AND WALL	1	16010 .011 LS	BRT STATION - WEST OAKLAND INBOUND, ELECTRICAL/COMMUNICATIONS INFRASTRUCTURE	33	16536 .004 EA	LED TEARDROP LUMINAIRE TYPE B ON A 30-FOOT FLUTED POLE
308	02930 .003 EA	SHRUBS	100,000	03305 .003 PDA	MISCELLANEOUS UNFORESEEN VAULT MODIFICATIONS, CLASS AA CONCRETE LIGHTWEIGHT, AS DIRECTED	1	16010 .012 LS	BRT STATION - CHESTERFIELD RD INBOUND, ELECTRICAL/COMMUNICATIONS INFRASTRUCTURE	12	16536 .005 EA	LED ACORN LUMINAIRE
1,518	02930 .004 CY	PLANTING MIX	74	03305 .004 SY	CLASS AA CONCRETE LIGHTWEIGHT, VAULT HYDRODEMOLITION AND OVERLAY	1	16010 .013 LS	BRT STATION - ATWOOD INBOUND, COMMUNICATIONS INFRASTRUCTURE	12	16536 .006 EA	12-FOOT ORNAMENTAL POLE
849	02930 .005 CY	TOPSOIL	52	03305 .005 CY	CLASS AA CONCRETE LIGHTWEIGHT, VAULT SIDEWALK	1	16010 .014 LS	BRT STATION - BIGELOW BLVD INBOUND, ELECTRICAL/COMMUNICATIONS INFRASTRUCTURE	21	16536 .007 EA	FOUNDATION TYPE A
212	02930 .006 CY	DOUBLE SHREDDED HARDWOOD MULCH	97	03305 .006 CY	CLASS A CONCRETE, RETAINING WALL	1	16010 .015 LS	BRT STATION - TENNYSON AVE INBOUND, ELECTRICAL/COMMUNICATIONS INFRASTRUCTURE	61	16536 .008 EA	FOUNDATION TYPE B
29	02930 .07 CY	PWSA GI DOUBLE SHREDDED HARDWOOD MULCH	296	04413 .001 LF	GRANITE CURB	1	16010 .018 LS	BRT STATION - UPTOWN WEST OUTBOUND, ELECTRICAL/COMMUNICATIONS INFRASTRUCTURE	55,576	16536 .009 EA	#6 AWG UNDERGROUND CABLE
1,266	02930 .08 EA	PWSA GI ORNAMENTAL GRASSES (3 GAL)	32	04413 .002 LF	RADIUS GRANITE CURB	1	16010 .019 LS	BRT STATION - PRIDE ST OUTBOUND, ELECTRICAL/COMMUNICATIONS INFRASTRUCTURE	\$200,000	16536 .010 EA	MISCELLANEOUS UNFORESEEN STREET LIGHTING CONSTRUCTION
40	02930 .09 CY	PWSA GI TREE PIT PLANTING SOIL	9	05100 .001 EA	REMOVABLE CURB	1	16010 .020 LS	BRT STATION - UPTOWN CENTRAL OUTBOUND, ELECTRICAL/COMMUNICATIONS INFRASTRUCTURE	6	16536 .011 EA	OFFSET POLE FOUNDATION, TYPE A
\$15,000	02930 .010 PDA	MISCELLANEOUS UNFORESEEN LANDSCAPING	1	05511 .001 EA	DLC LADDER	1	16010 .021 LS	BRT STATION - JUMONVILLE ST OUTBOUND, ELECTRICAL/COMMUNICATIONS INFRASTRUCTURE	15	16536 .012 EA	OFFSET POLE FOUNDATION, TYPE B
10	02975 .01 EA	PWSA GI CONCRETE SPLASH PAD	15	08305 .001 EA	SIDEWALK HATCH	1	16010 .022 LS	BRT STATION - SOHO OUTBOUND, ELECTRICAL/COMMUNICATIONS INFRASTRUCTURE	5	16536 .013 EA	POLE FOUNDATION TYPE B, MODIFIED
2	02975 .02 EA	PWSA GI INTEGRATED INLET (FOXHOLE)	2	08305 .002 EA	5 x 9 DLC HATCH	1	16010 .023 LS	BRT STATION - WEST OAKLAND OUTBOUND, ELECTRICAL/COMMUNICATIONS INFRASTRUCTURE	1	16536 .014 EA	TESTING OF ENTIRE STREET LIGHTING SYSTEM
1	02975 .03 EA	PWSA GI INTEGRATED INLET (BUNKER)	1	08305 .003 EA	6 x 12 DLC HATCH	1	16010 .024 LS	BRT STATION - MCKEE PLACE OUTBOUND, ELECTRICAL/COMMUNICATIONS INFRASTRUCTURE	19	17080 .002 EA	LAYER 2 SWITCH
13	02975 .04 EA	PWSA GI CURB CUTS	1	08305 .004 EA	2' - 11" x 3' - 4" DLC HATCH	1	16010 .025 LS	BRT STATION - CENTRAL OAKLAND OUTBOUND, ELECTRICAL/COMMUNICATIONS INFRASTRUCTURE	38	17080 .003 EA	SMALL FORM FACTOR PLUGGABLE (SFP) OPTICAL TRANSCEIVER
361	02975 .05 LF	PWSA GI 8" DIAMETER UNDERDRAIN INCLUDING BEDDING AND GEOTEXTILE	1	08305 .005 EA	3x3 VAULT GRATE	1	16010 .026 LS	BRT STATION - BIGELOW BLVD OUTBOUND, ELECTRICAL/COMMUNICATIONS INFRASTRUCTURE	1	17125 .001 EA	BRT SYSTEMS TESTING, INSPECTION, AND TRAINING
115,000	02975 .06 PDA	PWSA GI MISCELLANEOUS UNFORESEEN PWSA CONSTRUCTION	2	10734 .001 EA	SHELTER SIZE 30' X 5'	1	16010 .102 LS	PITT TOWER COMMUNICATIONS INFRASTRUCTURE	25	17200 .001 EA	PTZ CAMERA
886	02976 .01 SY	PWSA GI IMPERMEABLE GEOMEMBRANE BARRIER	7	10734 .002 EA	SHELTER SIZE 30' X 7'	150,000	16010 .103 PDA	MISCELLANEOUS UNFORESEEN STATION CONSTRUCTION	10	17300 .001 EA	13" DIGITAL BUS DISPLAY
2,153	02976 .02 SY	PWSA GI NON-WOVEN GEOTEXTILE	3	10734 .003 EA	SHELTER SIZE 60' X 5'	5	16124 .001 EA	BRT STATION - ELECTRICAL/COMMUNICATIONS CABINET, 60 AMP, TYPE 1, LEFT METER	8	17300 .002 EA	32" DIGITAL BUS DISPLAY
1,345	02976 .03 CY	PWSA GI FURNISH AND PLACE AASHTO #57 STONE FOR GI SYSTEMS	6	10734 .004 EA	SHELTER SIZE 60' X 7'	10	16124 .002 EA	BRT STATION - ELECTRICAL/COMMUNICATIONS CABINET, 60 AMP, TYPE 1, RIGHT METER	15	17400 .001 EA	EMERGENCY BLUE LIGHT PHONE
484	02976 .04 CY	PWSA GI AGGREGATE TRENCH BACKFILL ABOVE STORMWATER TRENCHES (PENNDOT 2A)	1	10734 .005 EA	SHELTER SIZE 30' X 14' GULLWING SHELTER	2	16124 .003 EA	BRT STATION - ELECTRICAL/COMMUNICATIONS CABINET, 100 AMP, TYPE 2, LEFT METER	1	17400 .004 EA	BLUE LIGHT PHONE SYSTEM INTEGRATION
27	02976 .05 EA	PWSA GI 12" HEAVY DUTY CHAMBER UNIT	1	16010 .006 LS	BRT STATION - UPTOWN WEST INBOUND, ELECTRICAL/COMMUNICATIONS INFRASTRUCTURE	1	16124 .004 EA	BRT STATION - ELECTRICAL/COMMUNICATIONS CABINET, 100 AMP, TYPE 2, RIGHT METER	10	32330 .001 EA	SEATING BENCH WITH TWO (2) SEATS
59	02976 .06 EA	PWSA GI 18" HEAVY DUTY CHAMBER UNIT	1	16010 .007 LS	BRT STATION - PRIDE ST INBOUND, ELECTRICAL/COMMUNICATIONS INFRASTRUCTURE	200,000	16124 .006 PDA	MISCELLANEOUS UNFORESEEN ELECTRICAL CONSTRUCTION	29	32330 .002 EA	SEATING BENCH WITH THREE (3) SEATS
17	02976 .07 EA	PWSA GI 30" HEAVY DUTY CHAMBER UNIT	1	16010 .008 LS	BRT STATION - UPTOWN CENTRAL INBOUND, ELECTRICAL/COMMUNICATIONS INFRASTRUCTURE	8	16536 .001 EA	LED ROADWAY LUMINAIRE TYPE A ON 25-FOOT STEEL POLE	28	32330 .003 EA	TRASH RECEPTACLE
173	02979 .01 CY	PWSA GI ENGINEERED BIORETENTION / BIOSWALE SOIL	1	16010 .009 LS	BRT STATION - JUMONVILLE ST INBOUND, ELECTRICAL/COMMUNICATIONS INFRASTRUCTURE	29	16536 .002 EA	LED ROADWAY LUMINAIRE TYPE B ON A 30-FOOT STEEL POLE	23	32330 .004 EA	BIKE RACK



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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
SUMMARY OF QUANTITIES



CONTRACT NO. BRT-001

DWG. NO. GN45 SHT. 45

ROADWAY TABULATION SHEET

DESIGN OF CURB RAMPS		FOREIGN BORROW EXCAVATION		GEOTEXTILE CLASS 1		GEOTEXTILE CLASS 4, TYPE A		SUBBASE 8" DEPTH (NO. 2A)		SUBBASE 6" DEPTH (NO. 2A)		SUBBASE 4" DEPTH (NO. 2A)		SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH)		SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5MM MIX, 1 1/2" DEPTH, SRL-H		SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5MM MIX, 2" DEPTH, SRL-H		SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH		SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0MM MIX, 4 1/2" DEPTH		SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0MM MIX, 4" DEPTH		SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX		MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH		MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH		MILLING OF ASPHALT PAVEMENT SURFACE, 3 1/2" DEPTH		MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH		MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH		REMARKS	SIDE	STATION
01900 .001 EA	02218 .001 CY			02353 .001 LF	02353 .002 SY			02521 .001 SY	02521 .002 SY	02521 .003 SY	02521 .004 CY			02532 .001 SY	02532 .003 SY	02532 .004 SY	02532 .005 SY	02532 .006 SY	02532 .007 TON			02550 .001 SY	02550 .002 SY	02550 .003 SY	02550 .004 SY	02555 .001 SY	ITEM NUMBER	UNIT												
FIFTH AVE - ENTIRE LENGTH																																								
																										AS DIRECTED - ENTIRE LENGTH		LT / RT	434+00.00 TO 565+00.00											
FIFTH AVE - UPTOWN																																								
10	230			1536	149				1826	336	81			3061	336				336	754							3061	DIAMOND ST TO CHATHAM SQ/WASHINGTON PL		LT / RT	434+00.00 TO 440+95.00									
9	227			1872	958			76	1579	597	196			3282	597				597	906							2735	CHATHAM SQ/WASHINGTON PL TO MAGEE ST/LOGAN ST		LT / RT	440+95.00 TO 449+60.00									
4	54			706	149				729	161	34			1374	161				161	372							1374	MAGEE ST/LOGAN ST TO STEVENSON ST		LT / RT	449+60.00 TO 453+15.00									
7	65			810	183				930	174	41			1772	174				174	405							1759	STEVENSON ST TO PRIDE ST		LT / RT	453+15.00 TO 457+00.00									
7	75			635	123				721	126	28			1108	126				126	273							1108	PRIDE ST TO MARION ST/VINE ST		LT / RT	457+00.00 TO 459+95.00									
5	115			867	158				1116	204	35			1296	204				204	342							1296	MARION ST/VINE ST TO VAN BRAAM ST		LT / RT	459+95.00 TO 463+80.00									
4	88			707	141				876	185	32			1175	185				185	301							1175	VAN BRAAM ST TO MILTENBERGER ST		LT /RT	463+80.00 TO 467+25.00									
6	58			344	62				376	95	14			615	95				95	157							615	MILTENBERGER ST TO DINWIDDIE ST		LT / RT	467+25.00 TO 468+90.00									
6	91			761	184				904	194	41			1275	194				194	340							1275	DINWIDDIE ST TO GIST ST		LT / RT	468+90.00 TO 472+65.00									
5	159			1071	255				1479	255	57			1767	255				255	453							1767	GIST ST TO JUMONVILLE ST/WYANDOTTE ST		LT / RT	472+65.00 TO 478+05.00									
5	185			1045	209				1307	228	47			1388	228				228	333							1388	JUMONVILLE ST/WYANDOTTE ST TO SENECA ST		LT / RT	478+05.00 TO 482+55.00									
6	142			893	269				1066	224	60			1558	224				224	387							1559	SENECA ST TO MOULTRIE ST		LT / RT	482+55.00 TO 487+05.00									
5	294			1106	739			502	1393	492	53			2588	492	501			492	415				795	1292		795	MOULTRIE TO KIRKPATRICK ST/BIRMINGHAM BR		LT / RT	487+05.00 TO 492+00.00									
4	732			3652	749				4791		167			6316			392			345			1113				4812	KIRKPATRICK ST/BIRMINGHAM BR TO BLVD OF THE ALLIES		LT / RT	492+00.00 TO 510+50.00									
SUBTOTALS - FIFTH AVE - UPTOWN																																								



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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
ROADWAY TABULATION SHEET

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CONTRACT NO. BRT-001	
DWG. NO. GN46	SHT. 46

ROADWAY TABULATION SHEET

ITEM NUMBER	UNIT	REMARKS	SIDE	STATION
02627 .001 LF		4" PAVEMENT BASE DRAIN		
02741 .001 SY		ASPHALT TACK COAT		
02750 .001 SY		REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH		
02750 .002 SY		REINFORCED ACCELERATED CONCRETE PAVEMENT, 8" DEPTH		
02750 .003 SY		PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH		
02755 .001 SY		ACCELERATED CONCRETE PAVEMENT PATCHING, AS DIRECTED		
02757 .001 LF		TRANSVERSE JOINT CLEANING		
02781 .001 LF		REINFORCED CEMENT CONCRETE CURB		
02781 .002 LF		REINFORCED ACCELERATED CONCRETE CURB		
02781 .003 LF		PLAIN CONCRETE MOUNTABLE CURB, TYPE A		
02781 .004 LF		CURB CHEEK WALL		
02781 .005 LF		REINFORCED CEMENT CONCRETE CURB, 36"		
02781 .006 EA		CONCRETE CURB STOP		
02783 .001 SY		CONCRETE BUFFER		
02785 .001 SY		REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH		
FIFTH AVE - ENTIRE LENGTH				
	2919	AS DIRECTED - ENTIRE LENGTH	LT / RT	434+00.00 TO 565+00.00
FIFTH AVE - UPTOWN				
1506	6458	DIAMOND ST TO CHATHAM SQ/WASHINGTON PL	LT / RT	434+00.00 TO 440+95.00
1872	7161	CHATHAM SQ/WASHINGTON PL TO MAGEE ST/LOGAN ST	LT / RT	440+95.00 TO 449+60.00
706	2909	MAGEE ST/LOGAN ST TO STEVENSON ST	LT / RT	449+60.00 TO 453+15.00
810	3718	STEVENSON ST TO PRIDE ST	LT / RT	453+15.00 TO 457+00.00
627	2342	PRIDE ST TO MARION ST/VINE ST	LT / RT	457+00.00 TO 459+95.00
867	2796	MARION ST/VINE ST TO VAN BRAAM ST	LT / RT	459+95.00 TO 463+80.00
707	2535	VAN BRAAM ST TO MILTENBERGER ST	LT /RT	463+80.00 TO 467+25.00
361	1325	MILTENBERGER ST TO DINWIDDIE ST	LT / RT	467+25.00 TO 468+90.00
757	2744	DINWIDDIE ST TO GIST ST	LT / RT	468+90.00 TO 472+65.00
1071	3789	GIST ST TO JUMONVILLE ST/WYANDOTTE ST	LT / RT	472+65.00 TO 478+05.00
1045	3004	JUMONVILLE ST/WYANDOTTE ST TO SENECA ST	LT / RT	478+05.00 TO 482+55.00
893	3340	SENECA ST TO MOULTRIE ST	LT / RT	482+55.00 TO 487+05.00
1106	5668	MOULTRIE TO KIRKPATRICK ST/BIRMINGHAM BR	LT / RT	487+05.00 TO 492+00.00
3652	7065	KIRKPATRICK ST/BIRMINGHAM BR TO BLVD OF THE ALLIES	LT / RT	492+00.00 TO 510+50.00
15980	54854	SUBTOTALS - FIFTH AVE - UPTOWN		



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BUS RAPID TRANSIT UPTOWN TO OAKLAND
ROADWAY TABULATION SHEET

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CONTRACT NO. BRT-001
DWG. NO. GN47
SHT. 47

ROADWAY TABULATION SHEET

ITEM NUMBER	UNIT	DESCRIPTION	EA	REMARKS	SIDE	STATION
02786 .002 SY		EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN				
02786 .005 SY		ACCELERATED EXPOSED AGGREGATE CONCRETE, BROWN, 8" DEPTH				
02788 .001 SY		BRICK SURFACING				
02788 .002 SY		REMOVE AND RESET BRICK SIDEWALK				
02790 .001 SY		REMOVE, STORE AND RESET INTERLOCKING PAVERS				
02840 .001 LF		ORNAMENTAL RAILING				
04413 .001 LF		GRANITE CURB				
04413 .002 LF		RADIUS GRANITE CURB				
05100 .001 EA		REMOVABLE CURB				
FIFTH AVE - ENTIRE LENGTH						
					LT / RT	434+00.00 TO 565+00.00
FIFTH AVE - UPTOWN						
			3	DIAMOND ST TO CHATHAM SQ/WASHINGTON PL	LT / RT	434+00.00 TO 440+95.00
86				CHATHAM SQ/WASHINGTON PL TO MAGEE ST/LOGAN ST	LT / RT	440+95.00 TO 449+60.00
	76			MAGEE ST/LOGAN ST TO STEVENSON ST	LT / RT	449+60.00 TO 453+15.00
				STEVENSON ST TO PRIDE ST	LT / RT	453+15.00 TO 457+00.00
				PRIDE ST TO MARION ST/VINE ST	LT / RT	457+00.00 TO 459+95.00
			1	MARION ST/VINE ST TO VAN BRAAM ST	LT / RT	459+95.00 TO 463+80.00
				VAN BRAAM ST TO MILTENBERGER ST	LT /RT	463+80.00 TO 467+25.00
				MILTENBERGER ST TO DINWIDDIE ST	LT / RT	467+25.00 TO 468+90.00
				DINWIDDIE ST TO GIST ST	LT / RT	468+90.00 TO 472+65.00
628	27			GIST ST TO JUMONVILLE ST/WYANDOTTE ST	LT / RT	472+65.00 TO 478+05.00
				JUMONVILLE ST/WYANDOTTE ST TO SENECA ST	LT / RT	478+05.00 TO 482+55.00
				SENECA ST TO MOULTRIE ST	LT / RT	482+55.00 TO 487+05.00
			1	MOULTRIE TO KIRKPATRICK ST/BIRMINGHAM BR	LT / RT	487+05.00 TO 492+00.00
		946	1	KIRKPATRICK ST/BIRMINGHAM BR TO BLVD OF THE ALLIES	LT / RT	492+00.00 TO 510+50.00
SUBTOTALS - FIFTH AVE - UPTOWN						
714	27	76	0	81		946



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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
ROADWAY TABULATION SHEET



CONTRACT NO. BRT-001

DWG. NO. GN48	SHT. 48
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ROADWAY TABULATION SHEET

ITEM NUMBER	UNIT	DESIGN OF CURB RAMPS	FOREIGN BORROW EXCAVATION	GEOTEXTILE CLASS 1	GEOTEXTILE CLASS 4, TYPE A	SUBBASE 8" DEPTH (NO. 2A)	SUBBASE 6" DEPTH (NO. 2A)	SUBBASE 4" DEPTH (NO. 2A)	SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH)	SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5MM MIX, 1 1/2" DEPTH, SRL-H	SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22 <0.3 MILLION ESALS, 9.5MM MIX, 2" DEPTH, SRL-H	SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH	SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0MM MIX, 4 1/2" DEPTH	SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0MM MIX, 4" DEPTH	SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX	MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH	MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH	MILLING OF ASPHALT PAVEMENT SURFACE, 3 1/2" DEPTH	MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH	MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH	REMARKS	SIDE	STATION				
																								01900 .001 EA	0218 .001 CY	02353 .001 LF	02353 .002 SY
FIFTH AVE - OAKLAND																											
2	366			1016	231		1308		52							103							BLVD OF THE ALLIES TO CRAFT AVE	LT / RT	510+50.00 TO 518+59.63		
3	10			187	158		121		35							5							767	RT	518+59.63 TO 527+00.39		
3	1			374	250		319		56							11							741	LT / RT	527+00.39 TO 533+25.05		
7	73			740	225		628		52							24							408	LT / RT	533+25.05 TO 536+99.36		
5	61			327	114		372		26							13							301	LT / RT	536+99.36 TO 539+68.83		
4	1			85	58		70		13							3							287	LT / RT	539+68.83 TO 542+20.03		
3	26			159	55		167		13							7							173	LT / RT	542+20.03 TO 543+61.78		
4	6			93	71		88		16							4							359	LT / RT	543+61.78 TO 547+02.43		
5	1			135	74		137		17							5							346	LT / RT	547+02.43 TO 550+35.31		
2	31			469	224		474		50							34		337					28	LT / RT	550+35.31 TO 553+80.75		
7	29			251	170		341		38							14		317						LT / RT	553+80.75 TO 557+04.45		
10	26			250	199		293		45							18		283						LT / RT	557+04.45 TO 559+94.54		
6	84			335	162		434		36							19		303						LT / RT	559+94.54 TO 562+83.39		
5	38			419	164		511		37							27		128		153				LT / RT	562+83.69 TO 564+88.65		
66	753			4840	2155		5263		0							287		1368		0			3410		SUBTOTALS - FIFTH AVE - OAKLAND		



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PORT AUTHORITY OF ALLEGHENY COUNTY
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BUS RAPID TRANSIT UPTOWN TO OAKLAND
ROADWAY TABULATION SHEET

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CONTRACT NO. BRT-001
DWG. NO. GN49 SHT. 49

ROADWAY TABULATION SHEET

																		REMARKS	SIDE	STATION
ITEM NUMBER	UNIT																			
FIFTH AVE - OAKLAND																				
1016		1976	231															BLVD OF THE ALLIES TO CRAFT AVE	LT / RT	510+50.00 TO 518+59.63
187		851	42						369	187								CRAFT AVE TO HALKET ST/CHESTERFIELD RD	RT	518+59.63 TO 527+00.39
374		994	84	41					503	374	381	40						HALKET ST/CHESTERFIELD RD TO MCKEE PL/DARRAGH ST	LT / RT	527+00.39 TO 533+25.05
740		990	166						316	414								MCKEE PL/DARRAGH ST TO LOTHROP ST/MEYRAN AVE	LT / RT	533+25.05 TO 536+99.36
327		667	74						174	323								LOTHROP ST/MEYRAN AVE TO ATWOOD ST	LT / RT	536+99.36 TO 539+68.83
85		327	20						123	85								ATWOOD ST TO DE SOTO ST/OAKLAND AVE	LT / RT	539+68.83 TO 542+20.03
159		352	36						104	159								DE SOTO ST/OAKLAND AVE TO BOUQUET ST	LT / RT	542+20.03 TO 543+61.78
93		403	22						200	89								BOUQUET ST TO THACKERAY AVE	LT / RT	543+61.78 TO 547+02.43
135		408	31						122	135								THACKERAY AVE TO UNIVERSITY PL	LT / RT	547+02.43 TO 550+35.31
469		1085	178						20	315								UNIVERSITY PL TO BIGELOW BLVD	LT / RT	550+35.31 TO 553+80.75
251		802	84	21	27					346	18							BIGELOW BLVD TO LYTTON AVE	LT / RT	553+80.75 TO 557+04.45
250		974	108	11	49					457	11		24					LYTTON AVE TO TENNYSON AVE	LT / RT	557+04.45 TO 559+94.54
335		1018	106	34						464								TENNYSON AVE TO RUSKIN AVE	LT / RT	559+94.54 TO 562+83.39
419		767	95	56						419		128						RUSKIN AVE TO BELLEFIELD AVE	LT / RT	562+83.69 TO 564+88.65
SUBTOTALS - FIFTH AVE - OAKLAND																				



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PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
ROADWAY TABULATION SHEET

Port Authority connecting people to life

CONTRACT NO. BRT-001
DWG. NO. GN50 SHT. 50

ROADWAY TABULATION SHEET

ITEM NUMBER	UNIT	DESIGN OF CURB RAMPS	EA	CY	LF	SY	SY	SY	SY	CY	REMARKS	SIDE	STATION
FORBES AVENUE - ENTIRE LENGTH													
AS DIRECTED - ENTIRE LENGTH													
FORBES AVE - UPTOWN													
					4					3			
6					82	23				147	16		
4					404	82				358	55		
2					305	112				235	76		
7	45				410	180				458	121		
8	265				590	142				708	109	96	
8	304				880	260				1077	246	175	
8	251				700	144				686	165	97	
8	375				1098	319				1287	322	214	
8	357				1007	266				1125	258	179	
8	387				1060	290				1073	264	195	
8	304				840	176				928	227	118	
6	226				585	127				580	142	86	
2	1				60	2				33	2		
FORBES AVE - OAKLAND													
3	60				304					274			
					173					113			
					156					28			
2	266				520					100	148		



NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

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DATE	05/01/24
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND	
ROADWAY TABULATION SHEET	
	CONTRACT NO. BRT-001
DWG. NO. GN52	SHT. 52

ROADWAY TABULATION SHEET

ITEM NUMBER	UNIT	REMARKS	SIDE	STATION	DESCRIPTION												
					02627 .001 LF	02741 .001 SY	02750 .001 SY	02750 .002 SY	02750 .003 SY	02755 .001 SY	02757 .001 LF	02781 .001 LF	02781 .002 LF	02781 .003 LF	02781 .004 LF	02781 .005 LF	02781 .006 EA
		FORBES AVENUE - ENTIRE LENGTH															
		AS DIRECTED - ENTIRE LENGTH	LT / RT	121+20.00 TO 259+50.00													
		FORBES AVE - UPTOWN															
		SHINGISS ST TO BOYD ST	LT / RT	121+29.34 TO 123+03.00		1750		4									
	82	BOYD ST TO CHATHAM SQ/MCANULTY DR	LT / RT	123+03.00 TO 129+42.00		4989		23					82				
	404	CHATHAM SQ/MCANULTY DR TO MAGEE ST	LT / RT	129+42.00 TO 136+89.00		5654		82					404				
	305	MAGEE ST TO STEVENSON ST	LT / RT	136+89.00 TO 142+00.00		4834		112	58				216	89		177	
	410	STEVENSON ST TO PRIDE ST	LT / RT	142+00.00 TO 145+83.00		4622		180					410			458	
	590	PRIDE ST TO MARION ST	LT / RT	145+83.00 TO 148+45.00		2180		142	133				537	53		575	
	880	MARION ST TO VAN BRAAM ST	LT / RT	148+45.00 TO 152+75.00		3438		260	68				813	67		1009	
	700	VAN BRAAM ST TO MILTENBERGER ST	LT / RT	152+75.00 TO 156+18.00		2756		144	19				681	19		667	
	1098	MILTENBERGER ST TO GIST ST	LT / RT	156+18.00 TO 161+56.00		4193		319	123				987	111		1164	
	1007	GIST ST TO JUMONVILLE ST	LT / RT	161+56.00 TO 166+47.50		3852		266	213				846	161		912	
	1060	JUMONVILLE ST TO SENECA ST	LT / RT	166+47.50 TO 171+47.00		3998		290	43				1017	43		1030	
	840	SENECA ST TO MOULTRIE ST	LT / RT	171+47.00 TO 175+47.00		3056		176	130				730	110		798	
	585	MOULTRIE ST TO BRADY ST	LT / RT	175+47.00 TO 178+45.00		2389		127					585			580	
	60	BRADY ST TO BIRMINGHAM BR	LT / RT	178+45.00 TO 180+66.00		1720		2					60			33	
		FORBES AVE - OAKLAND															
	304	CRAFT AVE TO HALKET ST	LT/RT	209+65.29 TO 217+40		292							304			274	
	173	MCKEE PL TO SEMPLE ST	RT	224+04.59 TO 225+77.25		274							173			113	
	156	S BOUQUET ST TO BIGELOW BLVD/SCHENLEY DR	RT	235+93.00 TO 237+60.69		83							156				
	520	BIGELOW BLVD/SCHENLEY DR TO SCHENLEY DR EXT	RT	244+85.95 TO 248+25.99		148							378		142		



Gulf Tower
707 Grant Street
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Pittsburgh, PA 15219



GANNETT FLEMING, INC.
Foster Plaza 8
Suite 400
730 Holiday Drive
Pittsburgh, PA. 15220

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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
ROADWAY TABULATION SHEET



CONTRACT NO. BRT-001

DWG. NO. GN53 SHT. 53

ROADWAY TABULATION SHEET

ITEM NUMBER	UNIT	REMARKS	SIDE	STATION
02786 .002 SY		EXPOSED, AGGREGATE CONCRETE SIDEWALK, BROWN		
02786 .005 SY		ACCELERATED EXPOSED AGGREGATE CONCRETE, BROWN, 8" DEPTH		
02788 .001 SY		BRICK SURFACING		
02788 .002 SY		REMOVE AND RESET BRICK SIDEWALK		
02790 .001 SY		REMOVE, STORE AND RESET INTERLOCKING PAVERS		
02840 .001 LF		ORNAMENTAL RAILING		
04413 .001 LF		GRANITE CURB		
04413 .002 LF		RADIUS GRANITE CURB		
05100 .001 EA		REMOVABLE CURB		
		FORBES AVENUE - ENTIRE LENGTH		
		AS DIRECTED - ENTIRE LENGTH	LT / RT	121+20.00 TO 259+50.00
		FORBES AVE - UPTOWN		
		SHINGISS ST TO BOYD ST	LT / RT	121+29.34 TO 123+03.00
147		BOYD ST TO CHATHAM SQ/MCANULTY DR	LT / RT	123+03.00 TO 129+42.00
358		CHATHAM SQ/MCANULTY DR TO MAGEE ST	LT / RT	129+42.00 TO 136+89.00
		MAGEE ST TO STEVENSON ST	LT / RT	136+89.00 TO 142+00.00
		STEVENSON ST TO PRIDE ST	LT / RT	142+00.00 TO 145+83.00
		PRIDE ST TO MARION ST	LT / RT	145+83.00 TO 148+45.00
		MARION ST TO VAN BRAAM ST	LT /RT	148+45.00 TO 152+75.00
		VAN BRAAM ST TO MILTENBERGER ST	LT / RT	152+75.00 TO 156+18.00
		MILTENBERGER ST TO GIST ST	LT / RT	156+18.00 TO 161+56.00
		GIST ST TO JUMONVILLE ST	LT / RT	161+56.00 TO 166+47.50
		JUMONVILLE ST TO SENECA ST	LT / RT	166+47.50 TO 171+47.00
		SENECA ST TO MOULTRIE ST	LT / RT	171+47.00 TO 175+47.00
		MOULTRIE ST TO BRADY ST	LT / RT	175+47.00 TO 178+45.00
		BRADY ST TO BIRMINGHAM BR	LT / RT	178+45.00 TO 180+66.00
		FORBES AVE - OAKLAND		
		CRAFT AVE TO HALKET ST	LT/RT	209+65.29 TO 217+40
		MCKEE PL TO SEMPLE ST	RT	224+04.59 TO 225+77.25
28		S BOUQUET ST TO BIGELOW BLVD/SCHENLEY DR	RT	235+93.00 TO 237+60.69
100		BIGELOW BLVD/SCHENLEY DR TO SCHENLEY DR EXT	RT	244+85.95 TO 248+25.99



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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
ROADWAY TABULATION SHEET



CONTRACT NO. BRT-001

DWG. NO. GN54 SHT. 54

ROADWAY TABULATION SHEET - TOTALS

ITEM NUMBER	UNIT	DESCRIPTION	REMARKS	SIDE	STATION
01900	.001	EA	DESIGN OF CURB RAMPS		
02218	.001	CY	FOREIGN BORROW EXCAVATION		
02353	.001	LF	GEOTEXTILE CLASS 1		
02353	.002	SY	GEOTEXTILE CLASS 4, TYPE A		
02521	.001	SY	SUBBASE 8" DEPTH (NO. 2A)		
02521	.002	SY	SUBBASE 6" DEPTH (NO. 2A)		
02521	.003	SY	SUBBASE 4" DEPTH (NO. 2A)		
02521	.004	CY	SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH)		
02532	.001	SY	SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5MM MIX, 1 1/2" DEPTH, SRL-H		
02532	.003	SY	SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5MM MIX, 2" DEPTH, SRL-H		
02532	.004	SY	SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH		
02532	.008	SY	SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4 1/2" DEPTH		
02532	.006	SY	SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0MM MIX, 4" DEPTH		
02532	.007	TON	SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX		
02550	.001	SY	MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH		
02550	.002	SY	MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH		
02550	.003	SY	MILLING OF ASPHALT PAVEMENT SURFACE, 3 1/2" DEPTH		
02550	.004	SY	MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH		
02555	.001	SY	MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH		
					SUBTOTAL - FIFTH AVE - ENTIRE LENGTH
83	2515				SUBTOTAL - FIFTH AVE - UPTOWN
66	753				SUBTOTAL - FIFTH AVE - OAKLAND
					SUBTOTAL - FORBES AVENUE - ENTIRE LENGTH
83	2515				SUBTOTAL - FORBES AVE - UPTOWN
5	326				SUBTOTAL - FORBES AVE - OAKLAND
237	6109				TOTALS

4A OF 4C



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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
ROADWAY TABULATION SHEET - TOTALS

Port Authority connecting people to life™

CONTRACT NO. BRT-001
DWG. NO. GN55 SHT. 55

ROADWAY TABULATION SHEET - TOTALS

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ITEM NUMBER	UNIT	REMARKS	SIDE	STATION
02627 .001 LF		4" PAVEMENT BASE DRAIN		
02741 .001 SY		ASPHALT TACK COAT		
02750 .001 SY		REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH		
02750 .002 SY		REINFORCED ACCELERATED CONCRETE PAVEMENT, 8" DEPTH		
02750 .003 SY		PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH		
02755 .001 SY		ACCELERATED CONCRETE PAVEMENT PATCHING, AS DIRECTED		
02757 .001 LF		TRANSVERSE JOINT CLEANING		
02781 .001 LF		REINFORCED CEMENT CONCRETE CURB		
02781 .002 LF		REINFORCED ACCELERATED CONCRETE CURB		
02781 .003 LF		PLAIN CONCRETE MOUNTABLE CURB, TYPE A		
02781 .004 LF		CURB CHEEK WALL		
02781 .005 LF		REINFORCED CEMENT CONCRETE CURB, 36"		
02781 .006 EA		CONCRETE CURB STOP		
02783 .001 SY		CONCRETE BUFFER		
02785 .001 SY		REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH		
		2919		SUBTOTAL - FIFTH AVE - ENTIRE LENGTH
15980	54854	4420 1679 21		SUBTOTAL - FIFTH AVE - UPTOWN
4840	11614	1277 32 207	1931	SUBTOTAL - FIFTH AVE - OAKLAND
		3122		SUBTOTAL - FORBES AVENUE - ENTIRE LENGTH
8021	49431	2127 787		SUBTOTAL - FORBES AVE - UPTOWN
1153	797			SUBTOTAL - FORBES AVE - OAKLAND
29994	116696	7824 2498 228	1931	TOTALS
6041				
28147				
1954				
1604				
1353				
410				
8				
551				
27985				



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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
ROADWAY TABULATION SHEET - TOTALS



CONTRACT NO. BRT-001
DWG. NO. GN56 SHT. 56

ROADWAY TABULATION SHEET - TOTALS

NO.	DATE	DESCRIPTION	REVISIONS	UNIT	QUANTITY	REMARKS	SIDE	STATION
02786		EXPOSED, AGGREGATE CONCRETE SIDEWALK, BROWN		SY	714			
02786		ACCELERATED EXPOSED AGGREGATE CONCRETE, BROWN, 8" DEPTH		SY	27			
02788		BRICK SURFACING		SY	76			
02788		REMOVE AND RESET BRICK SIDEWALK		SY	53			
02790		REMOVE, STORE AND RESET INTERLOCKING PAVERS		SY	81			
02840		ORNAMENTAL RAILING		LF	946			
04413		GRANITE CURB		LF	296			
04413		RADIUS GRANITE CURB		LF	32			
05100		REMOVABLE CURB		EA	6			
					SUBTOTAL - FIFTH AVE - ENTIRE LENGTH			
					SUBTOTAL - FIFTH AVE - UPTOWN			
					SUBTOTAL - FIFTH AVE - OAKLAND			
					SUBTOTAL - FORBES AVENUE - ENTIRE LENGTH			
					SUBTOTAL - FORBES AVE - UPTOWN			
					SUBTOTAL - FORBES AVE - OAKLAND			
1347					714			
27					27			
76					76			
53					53			
81					81			
946					946			
296					296			
32					32			
9					9			
					TOTALS			



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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY TABULATION SHEET - TOTALS	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. GN57	SHT. 57

DRAINAGE TABULATION SHEET

NO.	DATE	DESCRIPTION	REVISIONS	REMARKS	SIDE	STATION
02610 .001 LF		6" PVC PIPE, SDR 26				
02610 .002 LF		3" PVC PIPE, SDR 26				
02610 .003 EA		4" PVC PIPE, SDR 26				
02610 .004 EA		SEWER TAP TO EXISTING SEWER WYE				
02610 .005 EA		CUT-IN WYE PIPE TRANSITION				
02610 .006 LF		PWSA 15" PVC PIPE, SDR 26				
02610 .007 LF		PWSA 15" DUCTILE IRON PIPE				
02610 .008 LF		PWSA 6" PVC PIPE, SDR 26				
02610 .009 LF		PWSA DRAINAGE PIPE REMOVAL				
02610 .014 EA		PWSA CORED WYE OR TEE CONNECTION TO EXISTING SEWER				
02610 .015 EA		PWSA CUT-IN WYE PIPE TRANSITION				
02615 .001 LF		PWSA TRENCH RESTORATION (PIPE INSTALLATION)				
02620 .001 LF		THROUGH CURB RAIN LEADER				
02633 .001 EA		PWSA CATCH BASIN, PWSA TYPE 13 MODIFIED, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE				
02633 .002 EA		PWSA CATCH BASIN, PWSA TYPE 13, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE				
02633 .005 EA		PWSA STORM INLET, PWSA TYPE 13, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE				
02633 .007 EA		PWSA DOGHOUSE MANHOLE, WITH MANHOLE FRAME AND COVER				
02633 .008 EA		PWSA 4' DIAMETER PWSA MANHOLE, WITH MANHOLE FRAME AND COVER				
02633 .009 EA		PWSA MANHOLE SA-10C, WITH MANHOLE FRAME AND COVER				
02633 .010 EA		PWSA CORE HOLE IN EXISTING DRAINAGE STRUCTURE				
02633 .011 EA		PWSA CONCRETE COLLAR FOR PIPE CONNECTION				
FIFTH AVE - UPTOWN						
				GRADE ADJUSTMENT NOT CALLED OUT	LT/RT	START TO 515+00
		73		A14-5, A14-3	RT	434+30 TO 435+10/48+25
		3		A14-7	LT	435+45
		10		A14-8	LT	435+00
		25	65	A14-2, A14-2A, A14-9, A14-10	RT	437+00/48+35 TO 435+25
			17	A15-8	LT	438+50 TO 439+50
			21	A15-9, A15-10, A15-11	RT	483+80 TO 439+45
		6		A15-1	LT	441+05
		23	36	A15-3, A15-7, A15-12, A15-13	RT	440+60 TO 441+40
		3		UPTOWN WEST STATION	LT	442+00 TO 443+25
		6	9	A16-8, A16-9	RT	443+90 TO 444+00
			12	A16-2	LT	444+70
				A16-10, A16-11, A16-12	RT	444+40 TO 446+55
		5		A16-7	LT	448+35
				A16-13, A16-14, A17-9, A17-10	RT	448+35 TO 452+45
		5		A17-2	LT	449+60
		16		A17-3, A17-3A	LT	453+30 TO 453+35
		20		A17-6, A17-8	RT	453+25 TO 453+30
				A18-5, A18-6, A18-7	RT	454+60 TO 455+80
		15		PRIDE STREET STATION	LT	455+50 TO 456+00
		18		A18-1, A18-1A	RT	457+10 TO 457+25
		8		A18-2	LT	457+10



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BUS RAPID TRANSIT UPTOWN TO OAKLAND	
DRAINAGE TABULATION SHEET	
	CONTRACT NO. BRT-001
DWG. NO. GN58	SHT. 58

DRAINAGE TABULATION SHEET

NO.	DATE	DESCRIPTION	REVISIONS	REMARKS	SIDE	STATION
02633	.012	PWSA CLEANING DRAINAGE STRUCTURES				
02633	.013	PWSA CLEANING DRAINAGE PIPE				
02633	.014	PWSA DRAINAGE STRUCTURE REMOVAL				
02633	.018	PWSA CATCH BASIN, PWSA TYPE 13 WITH 4-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE				
02633	.019	PWSA RECESSED CATCH BASIN CONVERSION				
02633	.020	PWSA CATCH BASIN, PWSA TYPE 13 REVERSE MODIFIED, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE				
02635	.001	PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE				
02637	.001	PWSA GRADE ADJUSTMENT OF EXISTING PWSA MANHOLE SET				
02637	.002	PWSA GRADE ADJUSTMENT OF EXISTING PWSA INLET SET				
02639	.003	PWSA REBUILT INLET BOX WITH MANHOLE TOP				
02640	.001	STORMWATER MANAGEMENT SYSTEM FOR KIRKPATRICK PARKING LOT				
				FIFTH AVE - UPTOWN		
			51	GRADE ADJSUTMENT NOT CALLED OUT	LT/RT	START TO 515+00
1				A14-5, A14-3	RT	434+30 TO 435+10/48+25
	18			A14-7	LT	435+45
	8	1		A14-8	LT	435+00
1				A14-2, A14-2A, A14-9, A14-10	RT	437+00/48+35 TO 435+25
	15	1		A15-8	LT	438+50 TO 439+50
	18	1		A15-9, A15-10, A15-11	RT	483+80 TO 439+45
		1		A15-1	LT	441+05
			1	A15-3, A15-7, A15-12, A15-13	RT	440+60 TO 441+40
1		1		UPTOWN WEST STATION	LT	442+00 TO 443+25
	17	1		A16-8, A16-9	RT	443+90 TO 444+00
				A16-2	LT	444+70
	28			A16-10, A16-11, A16-12	RT	444+40 TO 446+55
				A16-7	LT	448+35
				A16-13, A16-14, A17-9, A17-10	RT	448+35 TO 452+45
	23	1		A17-2	LT	449+60
	35	1		A17-3, A17-3A	LT	453+30 TO 453+35
	7	1		A17-6, A17-8	RT	453+25 TO 453+30
				A18-5, A18-6, A18-7	RT	454+60 TO 455+80
				PRIDE STREET STATION	LT	455+50 TO 456+00
13				A18-1, A18-1A	RT	457+10 TO 457+25
22	1			A18-2	LT	457+10



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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND	
DRAINAGE TABULATION SHEET	
	CONTRACT NO. BRT-001
DWG. NO. GN59	SHT. 59

DRAINAGE TABULATION SHEET

PLOTTED: 3/26/2024 5:19:00 AM

OPERATOR: "Joseph.silich" FILE_PATH: c:\pwork\img\vecom.ds16.nda\joseph.silich\vecom.com\d0207700\BRT_01_RD_TAB27.dgn

NO.	DATE	DESCRIPTION	REVISIONS	REMARKS	SIDE	STATION
02610 .001 LF		6" PVC PIPE, SDR 26				
02610 .002 LF		3" PVC PIPE, SDR 26				
02610 .003 EA		4" PVC PIPE, SDR 26				
02610 .004 EA		SEWER TAP TO EXISTING SEWER				
02610 .005 EA		CUT-IN WYE PIPE TRANSITION				
02610 .006 LF		PWSA 15" PVC PIPE, SDR 26				
02610 .007 LF		PWSA 15" DUCTILE IRON PIPE				
02610 .008 LF		PWSA 6" PVC PIPE, SDR 26				
02610 .009 LF		PWSA DRAINAGE PIPE REMOVAL				
02610 .014 EA		PWSA CORED WYE OR TEE CONNECTION TO EXISTING SEWER				
02610 .015 EA		PWSA CUT-IN WYE PIPE TRANSITION				
02615 .001 LF		PWSA TRENCH RESTORATION (PIPE INSTALLATION)				
02620 .001 LF		THROUGH CURB RAIN LEADER				
02633 .001 EA		PWSA CATCH BASIN, PWSA TYPE 13 MODIFIED WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE				
02633 .002 EA		PWSA CATCH BASIN, PWSA TYPE 13, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE				
02633 .005 EA		PWSA STORM INLET, PWSA TYPE 13, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE				
02633 .007 EA		PWSA DOGHOUSE MANHOLE, WITH MANHOLE FRAME AND COVER				
02633 .008 EA		PWSA 4' DIAMETER PWSA MANHOLE, WITH MANHOLE FRAME AND COVER				
02633 .009 EA		PWSA MANHOLE SA-10C, WITH MANHOLE FRAME AND COVER				
02633 .010 EA		PWSA CORE HOLE IN EXISTING DRAINAGE STRUCTURE				
02633 .011 EA		PWSA CONCRETE COLLAR FOR PIPE CONNECTION				
FIFTH AVE - UPTOWN						
				A18-11, A18-12, A19-9	RT	457+45 TO 458+65
				A19-2, A19-3, A19-4	LT	459+90 TO 460+15
				A19-10, A19-11, A19-12, A19-13, A19-14, A19-6, A19-5	RT	459+85 TO 460+65
				A19-8	LT	463+30
				A19-15, A19-16, A20-9	RT	464+35 TO 465+05
				A20-1, A20-2	RT	466+20 TO 466+30
				A20-3, A20-4, A20-7, A20-10, A20-11, A21-1, A21-2, A21-3, A21-4	RT	467+45 TO 472+05
22				UPTOWN CENTRAL STATION	LT	467+80 TO 468+15
				A20-6, A20-6A	RT	468+90 TO 467+00
				A21-6, A21-7, A21-8, A21-9	RT	472+60 TO 473+92
				A21-10, A21-11, A21-12	RT	474+40 TO 474+90
				A21-13, A22-10, A22-1, A22-1A	LT	475+35 TO 477+50
80	106	1		JUMONVILLE ST STATION, A22-24, -25, -26, -27, -28, -29, -30	LT	476+20 TO 476+60
				A22-5, A22-6, A22-2	RT	476+39 TO 477+20
				A22-9, A22-8, A22-7	LT	478+25 TO 479+75
				A22-11, A23-4, A23-2, A23-1A	RT	479+75 TO 482+20
				A23-3	LT	482+55
				A23-5, A24-9, A24-5 & A24-2, A24-1A	RT	483+00 TO 486+05
				A24-1 & A24-3	LT	486+35 TO 486+80
				A24-4	LT	487+30
				A24-6 & A24-7, A24-8	LT	489+00 TO 489+45
				A25-1	LT	490+65
				A25-2, A25-2A	RT	497+95 TO 491+35
				A25-5, A25-5A	LT	491+50 TO 491+65
				A25-6	LT	492+15 TO 492+45

2A OF 13B



NO.	DATE	DESCRIPTION
REVISIONS		

THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE FEDERAL TRANSIT ADMINISTRATION, U.S. DEPARTMENT OF TRANSPORTATION, UNDER THE URBAN MASS TRANSPORTATION ACT OF 1984, AS AMENDED, FOR THE PORT AUTHORITY OF ALLEGHENY COUNTY, PENNSYLVANIA.

(NOT FOR CONSTRUCTION)

DESIGNED	MRM
DRAWN	JMS
CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
DRAINAGE TABULATION SHEET

CONTRACT NO. BRT-001

DWG. NO. GN60

SHT. 60

DRAINAGE TABULATION SHEET

NO.	DATE	DESCRIPTION	REVISIONS	REMARKS	SIDE	STATION
02633 .012 EA		PWSA CLEANING DRAINAGE STRUCTURES				
02633 .013 LF		PWSA CLEANING DRAINAGE PIPE				
02633 .014 EA		PWSA DRAINAGE STRUCTURE REMOVAL				
02633 .018 EA		PWSA CATCH BASIN, PWSA TYPE 13 WITH 4-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE				
02633 .019 EA		PWSA RECESSED CATCH BASIN CONVERSION				
02633 .020 EA		PWSA CATCH BASIN, PWSA TYPE 13 REVERSE MODIFIED WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE				
02635 .001 LF		PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE				
02637 .001 SET		PWSA GRADE ADJUSTMENT OF EXISTING PWSA MANHOLE				
02637 .002 SET		PWSA GRADE ADJUSTMENT OF EXISTING PWSA INLET				
02639 .003 EA		PWSA REBUILT INLET BOX WITH MANHOLE TOP				
02640 .001 EA		STORMWATER MANAGEMENT SYSTEM FOR KIRKPATRICK PARKING LOT				
FIFTH AVE - UPTOWN						
						123
				A18-11, A18-12, A19-9	RT	457+45 TO 458+65
31		1		A19-2, A19-3, A19-4	LT	459+90 TO 460+15
				A19-10, A19-11, A19-12, A19-13, A19-14, A19-6, A19-5	RT	459+85 TO 460+65
30				A19-8	LT	463+30
				A19-15, A19-16, A20-9	RT	464+35 TO 465+05
4		1		A20-1, A20-2	RT	466+20 TO 466+30
1		1		A20-3, A20-4, A20-7, A20-10, A20-11, A21-1, A21-2, A21-3, A21-4	RT	467+45 TO 472+05
1	20	1		UPTOWN CENTRAL STATION	LT	467+80 TO 468+15
				A20-6, A20-6A	RT	468+90 TO 467+00
				A21-6, A21-7, A21-8, A21-9	RT	472+60 TO 473+92
				A21-10, A21-11, A21-12	RT	474+40 TO 474+90
		1		A21-13, A22-10, A22-1, A22-1A	LT	475+35 TO 477+50
38		1		JUMONVILLE ST STATION, A22-24, -25, -26, -27, -28, -29, -30	LT	476+20 TO 476+60
				A22-5, A22-6, A22-2	RT	476+39 TO 477+20
				A22-9, A22-8, A22-7	LT	478+25 TO 479+75
31		1		A22-11, A23-4, A23-2, A23-1A	RT	479+75 TO 482+20
8		1		A23-3	LT	482+55
		1		A23-5, A24-9, A24-5 & A24-2, A24-1A	RT	483+00 TO 486+05
2	30			A24-1 & A24-3	LT	486+35 TO 486+80
1	20			A24-4	LT	487+30
1	8	3		A24-6 & A24-7, A24-8	LT	489+00 TO 489+45
1		1		A25-1	LT	490+65
	24	1		A25-2, A25-2A	RT	497+95 TO 491+35
		2		A25-5, A25-5A	LT	491+50 TO 491+65
1	50		1	A25-6	LT	492+15 TO 492+45

2B OF 13B



Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219

NO.	DATE	DESCRIPTION
REVISIONS		

THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE FEDERAL TRANSIT ADMINISTRATION, U.S. DEPARTMENT OF TRANSPORTATION, UNDER THE URBAN MASS TRANSPORTATION ACT OF 1984, AS AMENDED, FOR THE PORT AUTHORITY OF ALLEGHENY COUNTY, PENNSYLVANIA.

(NOT FOR CONSTRUCTION)

DESIGNED	MRM
DRAWN	JMS
CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND	
DRAINAGE TABULATION SHEET	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. GN61	SHT. 61

DRAINAGE TABULATION SHEET

NO.	DATE	DESCRIPTION	REVISIONS	REMARKS	SIDE	STATION
108	144	1				
FIFTH AVE - UPTOWN						
						SOHO STATION- A25-8,-9,-10,-11,-12,-13,-14
		7		1	LT	A25-7
		16		2	LT	A26-1 & A26-2
					RT	A26-3
		7		1	LT	A26-4
					RT	A26-5
					RT	A27-1
		22		2	LT	A27-3 & A27-4
					RT	A28-5, A28-6
FIFTH AVE - OAKLAND						
81	108	1				A29-2, A29-3
					RT	WEST OAKLAND STATION, A29-4, -5, -6, -7, -8, -9, -10
					LT	A29-11
		6			LT	A31-8
94	124	1				CHESTERFIELD ROAD STATION, A31-1, -2, -3, -4, -5, -6, -7
					LT	A32-3, A33-4, A33-1, A33-5, A33-6
					LT	A33-11, A33-12, A33-13
		11			LT	A34-1
70	104	1				BIGELOW BOULEVARD STATION, A35-1, -2, -3, -4, -5, -6, -7
		9			LT	A36-2, A36-3
		7			LT	A36-6, A36-7
		6			LT	A37-8
		14			LT	A37-12, A37-13
					LT/RT	GRADE ADJSUTMENT NOT CALLED OUT



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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
DRAINAGE TABULATION SHEET

Port Authority
connecting people to life

CONTRACT NO. BRT-001
DWG. NO. GN62 SHT. 62

OPERATOR: "joseph.silich" FILE: PA\TH: c:\pwork\ing\veecom.ds16.nda\joseph.silich\veecom.com\d0207700\BRT_01_RD_TAB30.dgn PLOTTED: 3/26/2024 5:19:12 AM

DRAINAGE TABULATION SHEET

QTY	DESCRIPTION	REVISIONS	NO.	DATE	REMARKS	SIDE	STATION
FIFTH AVE - UPTOWN							
					SOHO STATION- A25-8, -9, -10, -11, -12, -13, -14	RT	491+80 TO 492+30
					A25-7	LT	494+50
					A26-1 & A26-2	LT	496+90 TO 497+35
1	02633 .012 EA				A26-3	RT	497+45
					A26-4	LT	500+50
1	02633 .013 LF				A26-5	RT	501+90
1	02633 .014 EA				A27-1	RT	503+45
					A27-3 & A27-4	LT	504+40 TO 504+85
					A28-5, A28-6	RT	
FIFTH AVE - OAKLAND							
					A29-2, A29-3	RT	515+05 TO 515+30
					WEST OAKLAND STATION, A29-4, -5, -6, -7, -8, -9, -10	LT	516+90 TO 517+15
1	02633 .012 EA				A29-11	LT	517+15
					A31-8	LT	527+20
					CHESTERFIELD ROAD STATION, A31-1, -2, -3, -4, -5, -6, -7	LT	527+40 TO 527+80
1	02633 .013 LF				A32-3, A33-4, A33-1, A33-5, A33-6	LT	533+80 TO 535+55
					A33-11, A33-12, A33-13	LT	538+15 TO 538+30
					A34-1	LT	543+00
					BIGELOW BOULEVARD STATION, A35-1, -2, -3, -4, -5, -6, -7	LT	550+95 TO 551+70
					A36-2, A36-3	LT	553+00 TO 553+15
					A36-6, A36-7	LT	554+70
					A37-8	LT	557+50
1	02633 .013 LF				A37-12, A37-13	LT	560+35 TO 560+25
					GRADE ADJUSTMENT NOT CALLED OUT	LT/RT	515+00 TO END

3B OF 13B



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 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

DESIGNED	<u>MRM</u>
DRAWN	<u>JMS</u>
CHECKED	<u>DJC</u>
IN CHARGE	<u>LAR</u>
DATE	<u>05/01/24</u>
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND DRAINAGE TABULATION SHEET	
	CONTRACT NO. BRT-001 DWG. NO. GN63
SHT. 63	

DRAINAGE TABULATION SHEET

NO.	DATE	DESCRIPTION	REVISIONS	REMARKS	SIDE	STATION
02610 .001 LF		6" PVC PIPE, SDR 26				
02610 .002 LF		3" PVC PIPE, SDR 26				
02610 .003 EA		4" PVC PIPE, SDR 26				
02610 .004 EA		SEWER TAP TO EXISTING SEWER WYE				
02610 .005 EA		CUT-IN WYE PIPE TRANSITION				
02610 .006 LF		PWSA 15" PVC PIPE, SDR 26				
02610 .007 LF		PWSA 15" DUCTILE IRON PIPE				
02610 .008 LF		PWSA 6" PVC PIPE, SDR 26				
02610 .009 LF		PWSA DRAINAGE PIPE REMOVAL				
02610 .014 EA		PWSA CORED WYE OR TEE CONNECTION TO EXISTING SEWER				
02610 .015 EA		PWSA CUT-IN WYE PIPE TRANSITION				
02615 .001 LF		PWSA TRENCH RESTORATION (PIPE INSTALLATION)				
02620 .001 LF		THROUGH CURB RAIN LEADER				
02633 .001 EA		PWSA CATCH BASIN, PWSA TYPE 13 MODIFIED WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE				
02633 .002 EA		PWSA CATCH BASIN, PWSA TYPE 13, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE				
02633 .005 EA		PWSA STORM INLET, PWSA TYPE 13, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE				
02633 .007 EA		PWSA DOGHOUSE MANHOLE, WITH MANHOLE FRAME AND COVER				
02633 .008 EA		PWSA 4' DIAMETER PWSA MANHOLE, WITH MANHOLE FRAME AND COVER				
02633 .009 EA		PWSA MANHOLE SA-10C, WITH MANHOLE FRAME AND COVER				
02633 .010 EA		PWSA CORE HOLE IN EXISTING DRAINAGE STRUCTURE				
02633 .011 EA		PWSA CONCRETE COLLAR FOR PIPE CONNECTION				
96	128	1		FIFTH AVE - OAKLAND		
		7		TENNYSON AVENUE STATION, A37-14, -15, -16, -17, -18, -19, -20	LT	560+50 TO 560+95
				A38-2	LT	563+30
				SIDE STREETS		
				DIAMOND STREET		
				A14-1	RT	48+05
				WASHINGTON PLACE		
		17	8	A15-5 TO A15-4	LT/RT	25+55 TO 25+40
				CHATHAM SQUARE		
		12		A15-6	LT	23+85
				MAGEE STREET		
		27	5	A16-3 & A16-4	LT/RT	36+40
				LOGAN STREET		
		5		A17-1	LT	20+35
				PRIDE STREET		
		6	7	A18-3 & A18-4	LT / RT	30+30 TO 30+55
				VINE STREET		
		12		A19-1	LT	30+35



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Pittsburgh, PA 15219

NO.	DATE	DESCRIPTION
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(NOT FOR CONSTRUCTION)

DESIGNED	MRM
DRAWN	JMS
CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
DRAINAGE TABULATION SHEET

Port Authority
connecting people to life

CONTRACT NO. BRT-001
DWG. NO. GN64 SHT. 64

DRAINAGE TABULATION SHEET

NO.	DATE	DESCRIPTION	REVISIONS	PWSA CLEANING DRAINAGE STRUCTURES	PWSA CLEANING DRAINAGE PIPE	PWSA DRAINAGE STRUCTURE REMOVAL	PWSA CATCH BASIN, PWSA TYPE 13, WITH 4-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE	PWSA RECESSED CATCH BASIN CONVERSION	PWSA CATCH BASIN, PWSA TYPE 13 REVERSE MODIFIED, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE	PWSA SIDEWALK TRENCH DRAIN WITH ADA-COMPLIANT AND BICYCLE SAFE GRATE	PWSA GRADE ADJUSTMENT OF EXISTING PWSA MANHOLE	PWSA GRADE ADJUSTMENT OF EXISTING PWSA INLET	PWSA REBUILT INLET BOX WITH MANHOLE TOP	STORMWATER MANAGEMENT SYSTEM FOR KIRKPATRICK PARKING LOT	REMARKS	SIDE	STATION
02633	.012	EA													FIFTH AVE - OAKLAND TENNYSON AVENUE STATION, A37-14, -15, -16, -17, -18, -19, -20		
6	1															LT	560+50 TO 560+95
															SIDE STREETS		
1												1			DIAMOND STREET		
															WASHINGTON PLACE		
80	1														A15-5 TO A15-4	LT/RT	25+55 TO 25+40
															CHATHAM SQUARE		
9	1														A15-6	LT	23+85
															MAGEE STREET		
34	2														A16-3 & A16-4	LT/RT	36+40
															LOGAN STREET		
41															A17-1	LT	20+35
															PRIDE STREET		
1	32	1									1				A18-3 & A18-4	LT / RT	30+30 TO 30+55
															VINE STREET		
35															A19-1	LT	30+35



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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND

DRAINAGE TABULATION SHEET

Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. GN65	SHT. 65

DRAINAGE TABULATION SHEET

NO.	DATE	DESCRIPTION	REVISIONS	REMARKS	SIDE	STATION
02610 .001 LF		6" PVC PIPE, SDR 26				
02610 .002 LF		3" PVC PIPE, SDR 26				
02610 .003 EA		4" PVC PIPE, SDR 26				
02610 .004 EA		SEWER TAP TO EXISTING SEWER WYE				
02610 .005 EA		CUT-IN WYE PIPE TRANSITION				
02610 .006 LF		PWSA 15" PVC PIPE, SDR 26				
02610 .007 LF		PWSA 15" DUCTILE IRON PIPE				
02610 .008 LF		PWSA 6" PVC PIPE, SDR 26				
02610 .009 LF		PWSA DRAINAGE PIPE REMOVAL				
02610 .014 EA		PWSA CORED WYE OR TEE CONNECTION TO EXISTING SEWER				
02610 .015 EA		PWSA CUT-IN WYE PIPE TRANSITION				
02615 .001 LF		PWSA TRENCH RESTORATION (PIPE INSTALLATION)				
02620 .001 LF		THROUGH CURB RAIN LEADER				
02633 .001 EA		PWSA CATCH BASIN, PWSA TYPE 13 MODIFIED, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE				
02633 .002 EA		PWSA CATCH BASIN, PWSA TYPE 13, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE				
02633 .005 EA		PWSA STORM INLET, PWSA TYPE 13, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE				
02633 .007 EA		PWSA DOGHOUSE MANHOLE, WITH MANHOLE FRAME AND COVER				
02633 .008 EA		PWSA 4' DIAMETER PWSA MANHOLE, WITH MANHOLE FRAME AND COVER				
02633 .009 EA		PWSA MANHOLE SA-10C, WITH MANHOLE FRAME AND COVER				
02633 .010 EA		PWSA CORE HOLE IN EXISTING DRAINAGE STRUCTURE				
02633 .011 EA		PWSA CONCRETE COLLAR FOR PIPE CONNECTION				
				SIDE STREETS		
				DINWIDDIE STREET		
		6		A20-5	LT	20+35
				WYANDOTTE STREET		
				A22-4	RT	30+50
				KIRKPATRICK STREET		
		8	1	A25-4, A25-4A & A25-3A & A25-3	LT	30+95 TO 30+75
				KIRKPATRICK STREET PARKING LOT	RT	30+90 TO 39+25
				MCKEE PLACE		
		13		A32-1	LT	16+65
				LYTTON AVENUE		
		7		A37-5	RT	40+55
				NORTH BELLFIELD AVENUE		
				A38-3	LT	61+55



Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219

NO.	DATE	DESCRIPTION

THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE FEDERAL TRANSIT ADMINISTRATION, U.S. DEPARTMENT OF TRANSPORTATION, UNDER THE URBAN MASS TRANSPORTATION ACT OF 1984, AS AMENDED, FOR THE PORT AUTHORITY OF ALLEGHENY COUNTY, PENNSYLVANIA.

(NOT FOR CONSTRUCTION)

DESIGNED	MRM
DRAWN	JMS
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND
DRAINAGE TABULATION SHEET



CONTRACT NO. BRT-001

DWG. NO. GN66	SHT. 66
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DRAINAGE TABULATION SHEET

NO.	DATE	DESCRIPTION	REVISIONS	PWSA CLEANING DRAINAGE STRUCTURES	PWSA CLEANING DRAINAGE PIPE	PWSA DRAINAGE STRUCTURE REMOVAL	PWSA CATCH BASIN, PWSA TYPE 13, WITH 4-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE	PWSA RECESSED CATCH BASIN CONVERSION	PWSA CATCH BASIN, PWSA TYPE 13 REVERSE MODIFIED, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE	PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE	PWSA GRADE ADJUSTMENT OF EXISTING PWSA MANHOLE	PWSA GRADE ADJUSTMENT OF EXISTING PWSA INLET	PWSA REBUILT INLET BOX WITH MANHOLE TOP	STORMWATER MANAGEMENT SYSTEM FOR KIRKPATRICK PARKING LOT	REMARKS	SIDE	STATION
02633	.012	EA															
02633	.013	LF															
02633	.014	EA			15	1									A20-5	LT	20+35
															SIDE STREETS DINWIDDIE STREET		
1		10										1			WYANDOTTE STREET		
															KIRKPATRICK STREET		
1		10							1			1			A25-4, A25-4A & A25-3A & A25-3	LT	30+95 TO 30+75
													1		KIRKPATRICK STREET PARKING LOT	RT	30+90 TO 39+25
															MCKEE PLACE		
					10										A32-1	LT	16+65
															LYTTON AVENEUE		
					6	1									A37-5	RT	40+55
															NORTH BELLFIELD AVENUE		
1		30						1							A38-3	LT	61+55



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707 Grant Street
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(NOT FOR CONSTRUCTION)

DESIGNED	MRM
DRAWN	JMS
CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND	
DRAINAGE TABULATION SHEET	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. GN67	SHT. 67

DRAINAGE TABULATION SHEET

ITEM NUMBER	UNIT	REMARKS	SIDE	STATION
FORBES AVE - UPTOWN				
02610 .001 LF		6" PVC PIPE, SDR 26		
02610 .002 LF		3" PVC PIPE, SDR 26		
02610 .003 EA		4" PVC PIPE, SDR 26		
02610 .004 EA		SEWER TAP TO EXISTING SEWER WYE		
02610 .005 EA		CUT-IN WYE PIPE TRANSITION		
02610 .006 LF	20	PWSA 15" PVC PIPE, SDR 26, SHORE/TRENCH BOX		
02610 .007 LF		PWSA 15" DUCTILE IRON PIPE		
02610 .008 LF		PWSA 6" PVC PIPE, SDR 26		
02610 .009 LF	25	PWSA DRAINAGE PIPE REMOVAL		
02610 .014 EA		PWSA CORED WYE OR TEE CONNECTION TO EXISTING SEWER		
02610 .015 EA		PWSA CUT-IN WYE PIPE TRANSITION		
02615 .001 LF	20	PWSA TRENCH RESTORATION (PIPE INSTALLATION)		
02620 .001 LF	18	THROUGH CURB RAIN LEADER		
02633 .001 EA	1	PWSA CATCH BASIN, PWSA TYPE 13 MODIFIED, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE		
02633 .002 EA	2	PWSA CATCH BASIN, PWSA TYPE 13, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE		
02633 .005 EA		PWSA STORM INLET, PWSATYPE 13, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE		
02633 .007 EA		PWSA DOGHOUSE MANHOLE, WITH MANHOLE FRAME AND COVER		
02633 .008 EA		PWSA 4' DIAMETER PWSA MANHOLE, WITH MANHOLE FRAME AND COVER		
02633 .009 EA		PWSA MANHOLE SA-10C, WITH MANHOLE FRAME AND COVER		
02633 .010 EA		PWSA CORE HOLE IN EXISTING DRAINAGE STRUCTURE		
02633 .011 EA	4	PWSA CONCRETE COLLAR FOR PIPE CONNECTION		
	20	MISCELLANEOUS DRAINAGE	LT / RT	121+30 TO 127+38
	20	MISCELLANEOUS DRAINAGE	LT / RT	129+00 TO 132+43
		MISCELLANEOUS DRAINAGE	LT / RT	136+65 TO 137+02
		MISCELLANEOUS DRAINAGE	LT / RT	139+18 TO 140+61
	10	MISCELLANEOUS DRAINAGE	LT / RT	141+56 TO 142+16
	10	G04-12	RT	141+57 TO 141+67
	42	G04-4 TO G04-5	LT	142+47 TO 142+64
	28	G05-1 TO G05-2	LT / RT	143+60 TO 143+79
22		PRIDE ST STATION	RT	144+75 TO 145+05
	20	G05-3 TO G05-4	RT	145+52.50 TO 145+72
	6	G05-10	RT	145+72 TO 145+82
		MISCELLANEOUS DRAINAGE	LT / RT	145+53 TO 145+72.50
	16	G05-8 TO G05-9	LT	145+80 TO 145+83
	10	G05-7 TO G05-6	LT	145+80 TO 146+40
	10	G05-5	RT	145+92 TO 146+00
		MISCELLANEOUS DRAINAGE	LT / RT	148+10 TO 148+21
	8	G05-12	RT	148+38 TO 148+60
	10	G06-10 TO G05-11	LT	148+91 TO 149+62
	10	G06-1 TO G06-3	LT	149+85 TO 150+00
	20	G06-2 TO G06-12	RT	149+90 TO 150+05



Gulf Tower
707 Grant Street
5th Floor
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GANNETT FLEMING, INC.
Foster Plaza 8
Suite 400
730 Holiday Drive
Pittsburgh, PA. 15220

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REVISIONS		

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(NOT FOR CONSTRUCTION)

DESIGNED	TCG
DRAWN	TCG
CHECKED	TRZ
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
DRAINAGE TABULATION SHEET



CONTRACT NO. BRT-001
DWG. NO. GN68 SHT. 68

DRAINAGE TABULATION SHEET

PLOTTED: 3/26/2024 5:19:37 AM

OPERATOR: "joseph.sullivan" FILE_PATH: c:\pwork\ing\aecom\ds16_md\joseph.sullivan\aecom.com\d0207700\BRT_01_RD_TAB38.dgn

ITEM NUMBER	UNIT	REMARKS	SIDE	STATION	PWSA CLEANING DRAINAGE STRUCTURES	PWSA CLEANING DRAINAGE PIPE	PWSA DRAINAGE STRUCTURE REMOVAL	PWSA CATCH BASIN, PWSA TYPE 9, WITH 4-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE	PWSA CATCH BASIN, PWSA TYPE 13, WITH 4-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE	PWSA RECESSED CATCH BASIN CONVERSION	PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE	PWSA GRADE ADJUSTMENT OF EXISTING PWSA MANHOLE	PWSA GRADE ADJUSTMENT OF EXISTING PWSA INLET	PWSA REBUILT MANHOLE	PWSA REBUILT INLET BOX WITH MANHOLE TOP	STORMWATER MANAGEMENT SYSTEM FOR KIRKPATRICK PARKING LOT	FORBES AVE - UPTOWN			
																	EA	EA	EA	EA
3	43	3										3	2					MISCELLANEOUS DRAINAGE	LT / RT	121+30 TO 127+38
1	90	3										1						MISCELLANEOUS DRAINAGE	LT / RT	129+00 TO 132+43
1												3						MISCELLANEOUS DRAINAGE	LT / RT	136+65 TO 137+02
2												2						MISCELLANEOUS DRAINAGE	LT / RT	139+18 TO 140+61
2	14	2																MISCELLANEOUS DRAINAGE	LT / RT	141+56 TO 142+16
	29	1										1						G04-12	RT	141+57 TO 141+67
												1						G04-4 TO G04-5	LT	142+47 TO 142+64
												1						G05-1 TO G05-2	LT / RT	143+60 TO 143+79
																		PRIDE ST STATION	RT	144+75 TO 145+05
		1																G05-3 TO G05-4	RT	145+52.50 TO 145+72
1		1										2						G05-10	RT	145+72 TO 145+82
		1																MISCELLANEOUS DRAINAGE	LT / RT	145+53 TO 145+72.50
																		G05-8 TO G05-9	LT	145+80 TO 145+83
																		G05-7 TO G05-6	LT	145+80 TO 146+40
1	18	1																G05-5	RT	145+92 TO 146+00
												1	1					MISCELLANEOUS DRAINAGE	LT / RT	148+10 TO 148+21
	21	2																G05-12	RT	148+38 TO 148+60
											55							G06-10 TO G05-11	LT	148+91 TO 149+62
		1																G06-1 TO G06-3	LT	149+85 TO 150+00
		1																G06-2 TO G06-12	RT	149+90 TO 150+05



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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
DRAINAGE TABULATION SHEET



CONTRACT NO. BRT-001

DWG. NO. GN69 SHT. 69

DRAINAGE TABULATION SHEET

ITEM NUMBER	UNIT	REMARKS	SIDE	STATION
02610 .001 LF		6" PVC PIPE, SDR 26		
02610 .002 LF		3" PVC PIPE, SDR 26		
02610 .003 EA		4" PVC PIPE, SDR 26		
02610 .004 EA		SEWER TAP TO EXISTING SEWER		
02610 .005 EA		CUT-IN WYE PIPE TRANSITION		
02610 .006 LF	59	PWSA 15" PVC PIPE, SDR 26, SHORE/TRENCH BOX		
02610 .007 LF		PWSA 15" DUCTILE IRON PIPE		
02610 .008 LF		PWSA 6" PVC PIPE, SDR 26		
02610 .009 LF	10	PWSA DRAINAGE PIPE REMOVAL		
02610 .014 EA		PWSA CORED WYE OR TEE CONNECTION TO EXISTING SEWER		
02610 .015 EA		PWSA CUT-IN WYE PIPE TRANSITION		
02615 .001 LF	59	PWSA TRENCH RESTORATION (PIPE INSTALLATION)		
02620 .001 LF		THROUGH CURB RAIN LEADER		
02633 .001 EA		PWSA CATCH BASIN, PWSA TYPE 13 MODIFIED, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE		
02633 .002 EA	1	PWSA CATCH BASIN, PWSA TYPE 13, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE		
02633 .005 EA		PWSA STORM INLET, PWSATYPE 13, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE		
02633 .007 EA		PWSA DOGHOUSE MANHOLE, WITH MANHOLE FRAME AND COVER		
02633 .008 EA	1	PWSA 4' DIAMETER PWSA MANHOLE, WITH MANHOLE FRAME AND COVER		
02633 .009 EA		PWSA MANHOLE SA-10C, WITH MANHOLE FRAME AND COVER		
02633 .010 EA	1	PWSA CORE HOLE IN EXISTING DRAINAGE STRUCTURE		
02633 .011 EA		PWSA CONCRETE COLLAR FOR PIPE CONNECTION		
FORBES AVE- UPTOWN				
			LT	152+32 TO 152+71
			LT	152+40.50
			RT	152+94
			LT	152+68 TO 155+14
			RT	155+07 TO 155+23
			LT / RT	155+84 TO 156+46
			LT / RT	156+08 TO 156+66
			LT	161+21.50 TO 163+88
			LT	163+50 TO 164+03
			LT	164+26 TO 165+34
			LT	165+97
			RT	165+58 TO 165+92
			RT	165+96.50
			LT / RT	166+17.25 TO 168+83
			LT	166+80 TO 170+71
			LT / RT	170+95 TO 171+43
			LT	174+65 TO 175+15
			RT	174+98 TO 175+24
			LT	175+22 TO 176+54
			RT	176+31 TO 176+63
			LT	177+47.50
			RT	177+65 TO 177+83
			RT	178+46.50 TO 178+47
			LT / RT	178+10.75 TO 180+17



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PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
DRAINAGE TABULATION SHEET



CONTRACT NO. BRT-001

DWG. NO. GN70 SHT. 70

DRAINAGE TABULATION SHEET

NO.	DATE	DESCRIPTION	REVISIONS	ITEM NUMBER	UNIT	REMARKS	SIDE	STATION
				02610 .001 LF		6" PVC PIPE, SDR 26		
				02610 .002 LF		3" PVC PIPE, SDR 26		
				02610 .003 EA		4" PVC PIPE, SDR 26		
				02610 .004 EA		SEWER TAP TO EXISTING SEWER		
				02610 .005 EA		CUT-IN WYE PIPE TRANSITION		
				02610 .006 LF		PWSA 15" PVC PIPE, SDR 26, SHORE/TRENCH BOX		
				02610 .007 LF		PWSA 15" DUCTILE IRON PIPE		
				02610 .008 LF		PWSA 6" PVC PIPE, SDR 26		
				02610 .009 LF		PWSA DRAINAGE PIPE REMOVAL		
				02610 .014 EA		PWSA CORED WYE OR TEE CONNECTION TO EXISTING SEWER		
				02610 .015 EA		PWSA CUT-IN WYE PIPE TRANSITION		
				02615 .001 LF		PWSA TRENCH RESTORATION (PIPE INSTALLATION)		
				02620 .001 LF		THROUGH CURB RAIN LEADER		
				02633 .001 EA		PWSA CATCH BASIN, PWSA TYPE 13 MODIFIED, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE		
				02633 .002 EA		PWSA CATCH BASIN, PWSA TYPE 13, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE		
				02633 .005 EA		PWSA STORM INLET, PWSATYPE 13, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE		
				02633 .007 EA		PWSA DOGHOUSE MANHOLE, WITH MANHOLE FRAME AND COVER		
				02633 .008 EA		PWSA 4' DIAMETER PWSA MANHOLE, WITH MANHOLE FRAME AND COVER		
				02633 .009 EA		PWSA MANHOLE SA-10C, WITH MANHOLE FRAME AND COVER		
				02633 .010 EA		PWSA CORE HOLE IN EXISTING DRAINAGE STRUCTURE		
				02633 .011 EA		PWSA CONCRETE COLLAR FOR PIPE CONNECTION		
						FORBES AVE - OAKLAND		
16						MISCELLANEOUS DRAINAGE	RT	212+00 TO 213+90.50
18						MISCELLANEOUS DRAINAGE	RT	224+08 TO 224+73
32						CENTRAL OAKLAND STATION	RT	236+14 TO 237+19
104	48					BIGELOW BLVD STATION	RT	245+34 TO 246+56
						MISCELLANEOUS DRAINAGE	LT	255+01 TO 255+50
						MARION ST		
		17				G05-15 TO G05-14	RT	20+25 TO 20+33
		9	13			G05-16 TO G05-17	LT	20+36 TO 20+44
						JUMONVILLE ST		
		22				G09-7 TO G09-8	RT	20+36.50 TO 20+61.50



Gulf Tower
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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
DRAINAGE TABULATION SHEET



CONTRACT NO. BRT-001
DWG. NO. GN72 SHT. 72

DRAINAGE TABULATION SHEET

ITEM NUMBER	UNIT	REMARKS	SIDE	STATION
FORBES AVE - OAKLAND				
02633 .012 EA		PWSA CLEANING DRAINAGE STRUCTURES		
02633 .013 LF	5	PWSA CLEANING DRAINAGE PIPE		
02633 .014 EA	1	PWSA DRAINAGE STRUCTURE REMOVAL		
02633 .016 EA		PWSA CATCH BASIN, PWSA TYPE 9, WITH 4-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE		
02633 .018 EA		PWSA CATCH BASIN, PWSA TYPE 13, WITH 4-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE		
02633 .019 EA		PWSA RECESSED CATCH BASIN CONVERSION		
02635 .001 LF		PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE		
02637 .001 SET		PWSA GRADE ADJUSTMENT OF EXISTING PWSA MANHOLE		
02637 .002 SET	1	PWSA GRADE ADJUSTMENT OF EXISTING PWSA INLET		
02639 .001 VF		PWSA REBUILT MANHOLE		
02639 .003 EA		PWSA REBUILT INLET BOX WITH MANHOLE TOP		
02640 .001 EA		STORMWATER MANAGEMENT SYSTEM FOR KIRKPATRICK PARKING LOT		
MARION ST				
	1	G05-15 TO G05-14	RT	20+25 TO 20+33
	1	G05-16 TO G05-17	LT	20+36 TO 20+44
JUMONVILLE ST				
46	1	G09-7 TO G09-8	RT	20+36.50 TO 20+61.50



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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
DRAINAGE TABULATION SHEET



CONTRACT NO. BRT-001

DWG. NO. GN73 SHT. 73

DRAINAGE TABULATION SHEET - TOTALS

ITEM NUMBER	UNIT	REMARKS	SIDE	STATION																										
02610 .001 LF		6" PVC PIPE, SDR 26																												
02610 .002 LF		3" PVC PIPE, SDR 26																												
02610 .003 EA		4" PVC PIPE, SDR 26																												
02610 .004 EA		SEWER TAP TO EXISTING SEWER WYE																												
02610 .005 EA		CUT-IN WYE PIPE TRANSITION																												
02610 .006 LF		PWSA 15" PVC PIPE, SDR 26																												
02610 .007 LF		PWSA 15" DUCTILE IRON PIPE																												
02610 .008 LF		PWSA 6" PVC PIPE, SDR 26																												
02610 .009 LF		PWSA DRAINAGE PIPE REMOVAL																												
02610 .014 EA		PWSA CORED WYE OR TEE CONNECTION TO EXISTING SEWER																												
02610 .015 EA		PWSA CUT-IN WYE OR TEE PIPE TRANSITION																												
02615 .001 LF		PWSA TRENCH RESTORATION (PIPE INSTALLATION)																												
02620 .001 LF		THROUGH CURB RAIN LEADER																												
02633 .001 EA		PWSA CATCH BASIN, PWSA TYPE 13 MODIFIED, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE																												
02633 .002 EA		PWSA CATCH BASIN, PWSA TYPE 13, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE																												
02633 .005 EA		PWSA STORM INLET, PWSATYPE 13, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE																												
02633 .007 EA		PWSA DOGHOUSE MANHOLE, WITH MANHOLE FRAME AND COVER																												
02633 .008 EA		PWSA 4' DIAMETER PWSA MANHOLE, WITH MANHOLE FRAME AND COVER																												
02633 .009 EA		PWSA MANHOLE SA-10C, WITH MANHOLE FRAME AND COVER																												
02633 .010 EA		PWSA CORE HOLE IN EXISTING DRAINAGE STRUCTURE																												
02633 .011 EA		PWSA CONCRETE COLLAR FOR PIPE CONNECTION																												
529	40	714	5	1	869	195	314	272	2	4	154	41	8	32	1	6	6	2	5	27				SUBTOTAL - FIFTH AVE - ENTIRE LENGTH						
188	40	250	2		784	195	300	197	1	3	107	41	7	26	1	5	6	1	4	23								SUBTOTAL - FIFTH AVE - UPTOWN		
341		464	3	1	85		14	75	1	1	47		1	6			1			4								SUBTOTAL - FIFTH AVE - OAKLAND		
104	156				543		84	373			511	60	9	30	1			3		7	25							SUBTOTAL - FORBES AVE - ENTIRE LENGTH		
	42				543		84	373			511	60	9	30	1			3		7	25							SUBTOTAL - FORBES AVE - UPTOWN		
104	114																											SUBTOTAL - FORBES AVE - OAKLAND		
																												SUBTOTAL - DIAMOND STREET		
					17			8			20			1							2							SUBTOTAL - WASHINGTON PLACE		
					12									1							1							SUBTOTAL - CHATHAM SQUARE		
					27			5			10			2							2							SUBTOTAL - MAGEE STREET		
					5									1							1							SUBTOTAL - LOGAN STREET		
					6						7			1							1							SUBTOTAL - PRIDE STREET		
					12									1							1							SUBTOTAL - VINE STREET		
					6						8			1							1							SUBTOTAL - DINWIDDIE STREET		
																												SUBTOTAL - WYANDOTTE STREET		
					8				1					1														SUBTOTAL - KIRKPATRICK STREET		
					13						14			1							1							SUBTOTAL - MCKEE PLACE		
					7									1							1							SUBTOTAL - LYTTON STREET		
																												SUBTOTAL - NORTH BELLFIELD AVENUE		
					26			18		2	26			2														SUBTOTAL - MARION STREET		
					22						22			1				4										SUBTOTAL - JUMONVILLE STREET		
633	196	714	5	1	1573	195	398	676	3	17	772	101	19	74	2	6	13	2	12	63								TOTALS		



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DESIGNED	MRM
DRAWN	JMS
CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
DRAINAGE TABULATION SHEET - TOTALS

Port Authority connecting people to life

CONTRACT NO. BRT-001
DWG. NO. GN74 SHT. 74

DRAINAGE TABULATION SHEET - TOTALS

ITEM NUMBER	UNIT	REMARKS	SIDE	STATION
02633 .012 EA		PWSA CLEANING DRAINAGE STRUCTURES		
02633 .013 LF		PWSA CLEANING DRAINAGE PIPE		
02633 .014 EA		PWSA DRAINAGE STRUCTURE REMOVAL		
02633 .018 EA		PWSA CATCH BASIN, PWSA TYPE 13, WITH 4-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE		
02633 .019 EA		PWSA RECESSED CATCH BASIN CONVERSION		
02633 .020 EA		PWSA CATCH BASIN, PWSA TYPE 13 REVERSE MODIFIED, WITH 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE		
02635 .001 LF		PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE		
02637 .001 SET		PWSA GRADE ADJUSTMENT OF EXISTING PWSA MANHOLE		
02637 .002 SET		PWSA GRADE ADJUSTMENT OF EXISTING PWSA INLET		
02639 .003 EA		PWSA REBUILT INLET BOX WITH MANHOLE TOP		
02640 .001 EA		STORMWATER MANAGEMENT SYSTEM FOR KIRKPATRICK PARKING LOT		
TOTALS				
17	800	41		
14	745	33		
3	55	8		
23	527	35		
21	517	35		
2	10			
1				
80	1			
9	1			
34	2			
41				
1	32	1		
35				
15	1			
1	10			
1	10			
10	1			
6	1			
1	30			
		2		
46	1			
45	1685	87		
			1	6
				2
				3802
				93
				19
				1
				1
TOTALS				



NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
DRAINAGE TABULATION SHEET - TOTALS

Port Authority
connecting people to life

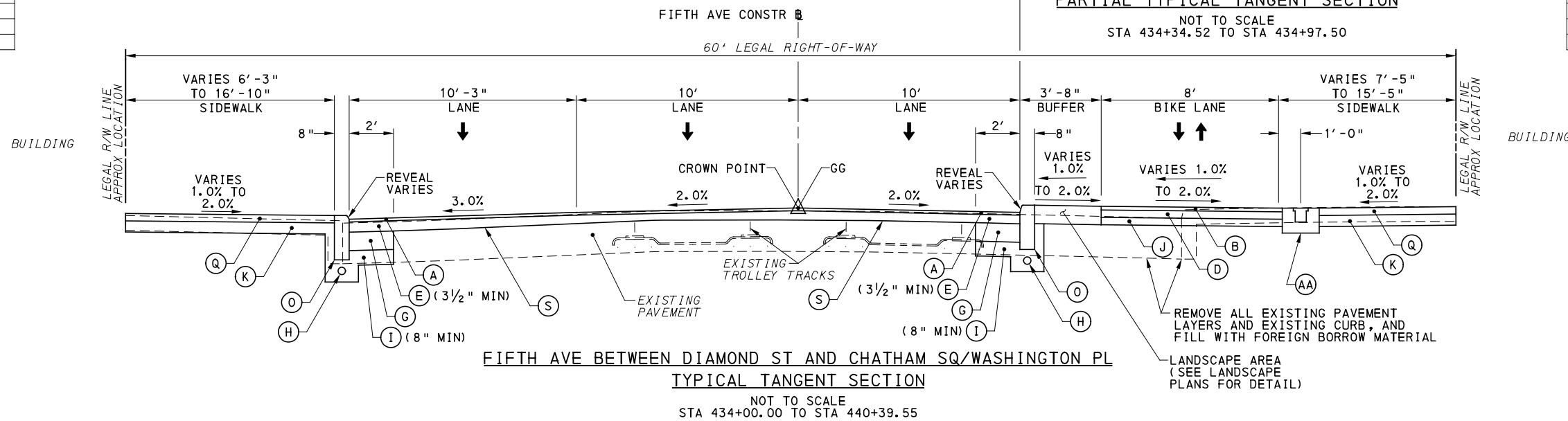
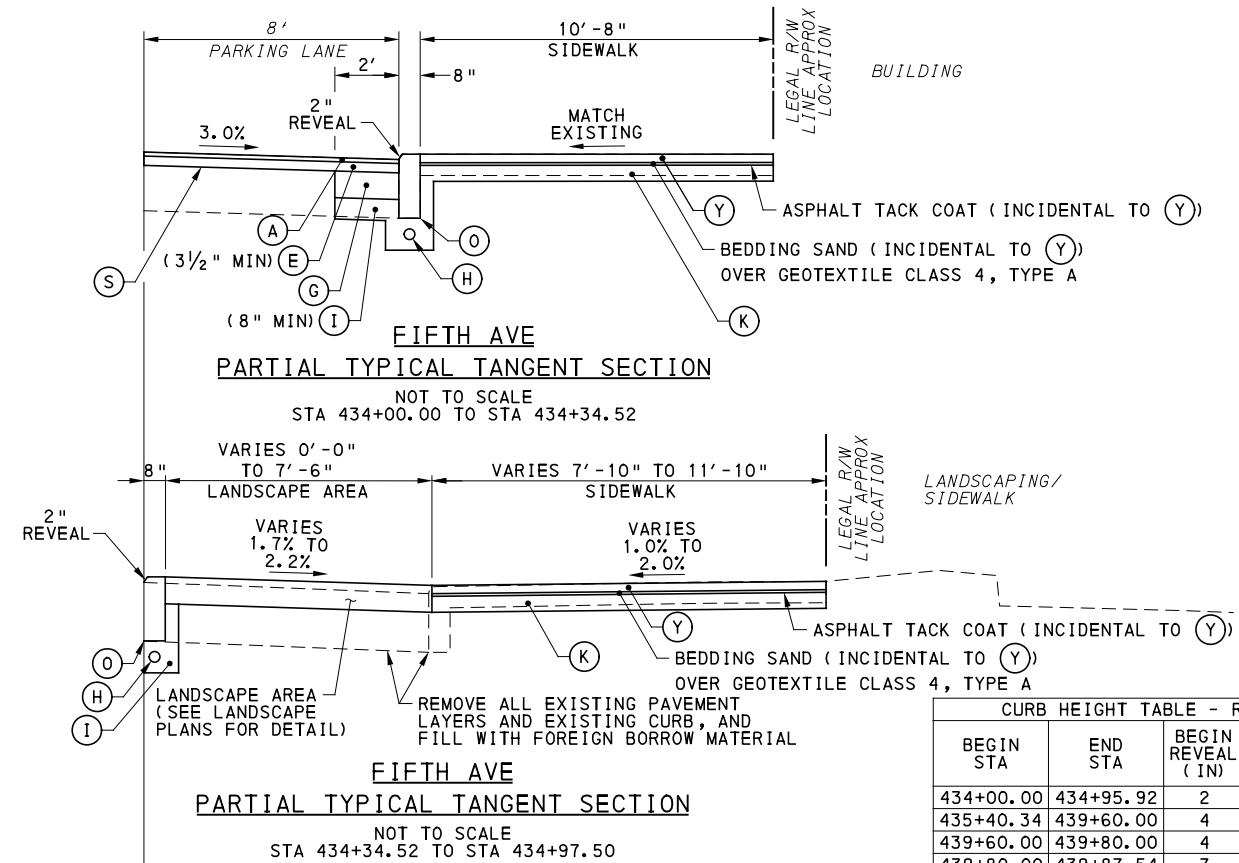
CONTRACT NO. BRT-001
DWG. NO. GN75 SHT. 75

CURB HEIGHT TABLE - LT

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
434+00.00	434+40.00	2	3
434+40.00	435+00.00	3	3
435+76.00	436+04.00	2	3 1/2
436+04.00	436+27.00	3 1/2	3 1/2
436+27.00	436+37.00	3 1/2	6 1/2
437+25.00	439+32.00	2	2
439+32.00	439+68.00	2	4
439+68.00	439+89.60	4	4

CURB HEIGHT TABLE - RT

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
434+00.00	434+95.92	2	2
435+40.34	439+60.00	4	4
439+60.00	439+80.00	4	7
439+80.00	439+87.54	7	7



NOTE: EXISTING TROLLEY TRACKS SHOWN FOR INFORMATION ONLY. THE EXACT LOCATION, LIMITS, AND TYPE OF TRACK IS UNKNOWN. TROLLEY TRACKS MAY HAVE BEEN REMOVED.

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
- (C) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH
- (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH
- (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX
- (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
- (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH
- (H) 4" PAVEMENT BASE DRAIN
- (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A
- (J) SUBBASE 4" DEPTH (NO. 2A)
- (K) SUBBASE 6" DEPTH (NO. 2A)
- (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
- (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A
- (N) CONCRETE BUFFER
- (O) REINFORCED CEMENT CONCRETE CURB
- (P) GRANITE CURB
- (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH
- (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH
- (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER)
- (T) MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH
- (U) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH
- (V) MILLING OF ASPHALT PAVEMENT SURFACE, 3 1/2" DEPTH
- (W) REINFORCED CEMENT CONCRETE CURB, 36"
- (X) CURB CHEEK WALL
- (Y) REMOVE AND RESET INTERLOCKING PAVERS
- (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN
- (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



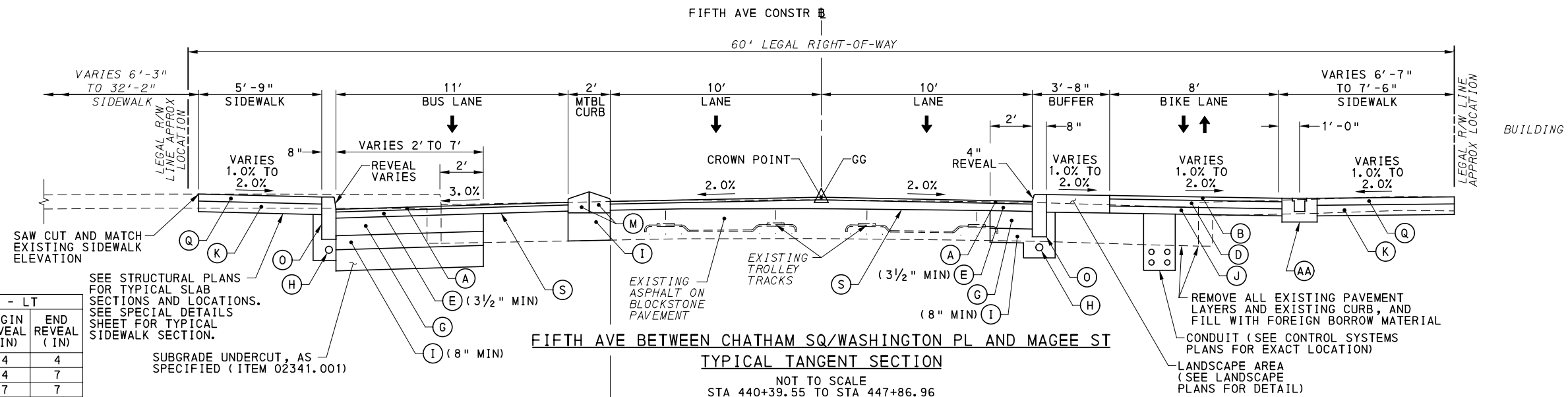
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REVISIONS		

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(NOT FOR CONSTRUCTION)

DESIGNED	SDS
DRAWN	SDS
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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND TYPICAL SECTIONS FIFTH AVE / DIAMOND ST TO CHATAM SQ	
Port Authority connecting people to life	CONTRACT NO. BRT-001
DWG. NO. CV1	SHT. 76

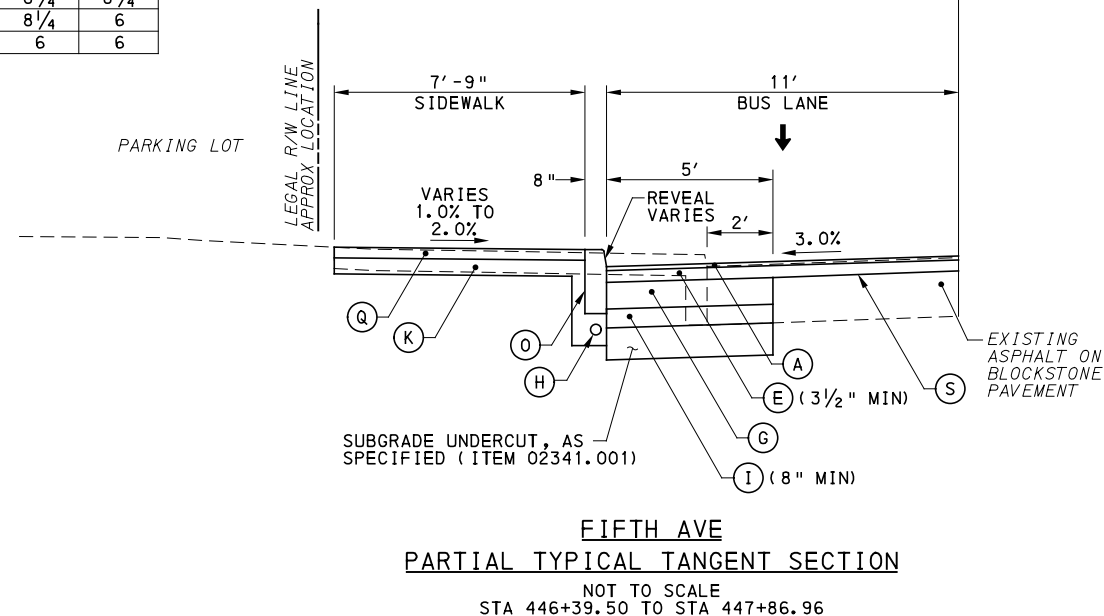


CURB HEIGHT TABLE - LT

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
440+90.25	441+45.00	4	4
441+45.00	441+55.00	4	7
441+55.00	445+00.00	7	7
445+00.00	445+35.00	7	8 1/4
445+35.00	446+40.00	8 1/4	8 1/4
446+40.00	446+60.00	8 1/4	6
446+60.00	447+73.71	6	6

SEE STRUCTURAL PLANS FOR TYPICAL SLAB SECTIONS AND LOCATIONS. SEE SPECIAL DETAILS SHEET FOR TYPICAL SIDEWALK SECTION.

SUBGRADE UNDERCUT, AS SPECIFIED (ITEM 02341.001)



FIFTH AVE PARTIAL TYPICAL TANGENT SECTION

NOT TO SCALE
STA 446+39.50 TO STA 447+86.96

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
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- (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH
- (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX
- (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
- (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH
- (H) 4" PAVEMENT BASE DRAIN
- (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A
- (J) SUBBASE 4" DEPTH (NO. 2A)
- (K) SUBBASE 6" DEPTH (NO. 2A)
- (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
- (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A
- (N) CONCRETE BUFFER
- (O) REINFORCED CEMENT CONCRETE CURB
- (P) GRANITE CURB
- (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH
- (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH
- (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER)
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NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219

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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
TYPICAL SECTIONS

FIFTH AVE / CHATHAM SQ TO MAGEE ST

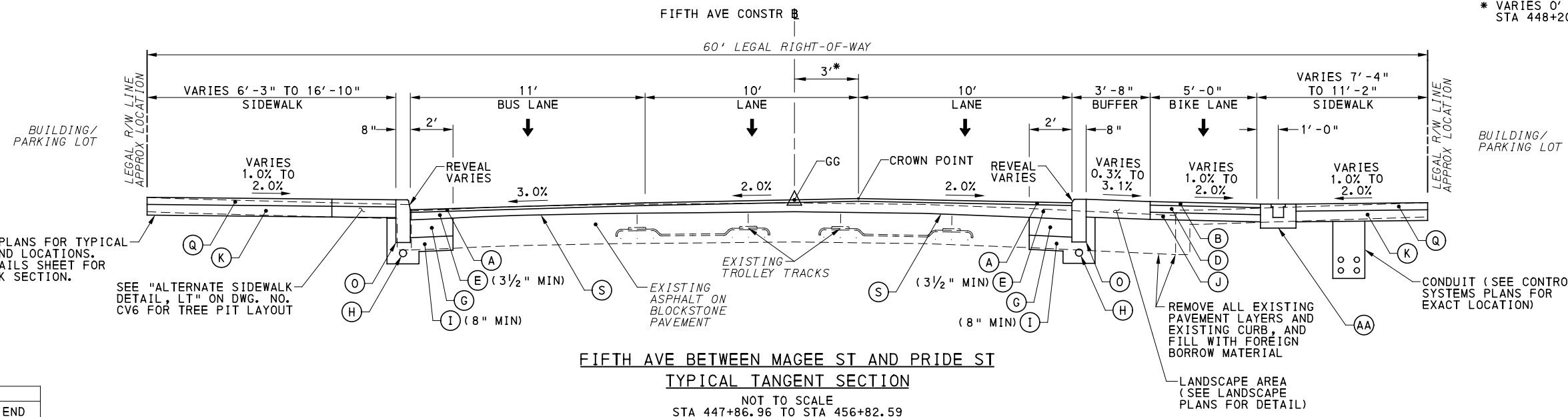


CONTRACT NO. BRT-001

DWG. NO. CV2

SHT. 77

* VARIES 0' TO 3' STA 448+20.00 TO STA 449+20.00



FIFTH AVE BETWEEN MAGEE ST AND PRIDE ST
TYPICAL TANGENT SECTION
NOT TO SCALE
STA 447+86.96 TO STA 456+82.59

SEE STRUCTURAL PLANS FOR TYPICAL SLAB SECTIONS AND LOCATIONS. SEE SPECIAL DETAILS SHEET FOR TYPICAL SIDEWALK SECTION.

SEE "ALTERNATE SIDEWALK DETAIL, LT" ON DWG. NO. CV6 FOR TREE PIT LAYOUT

REMOVE ALL EXISTING PAVEMENT LAYERS AND EXISTING CURB, AND FILL WITH FOREIGN BORROW MATERIAL
LANDSCAPE AREA (SEE LANDSCAPE PLANS FOR DETAIL)

CONDUIT (SEE CONTROL SYSTEMS PLANS FOR EXACT LOCATION)

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
447+98.38	448+19.00	2	6
448+19.00	449+32.86	6	6
449+64.62	450+35.00	6	6
450+35.00	450+48.00	6	2 1/2
450+48.00	450+75.00	2 1/2	6
450+75.00	452+52.98	6	6
453+26.77	453+30.00	7	7
453+30.00	453+40.00	7	3
453+40.00	455+25.00	3	3
455+40.00	455+44.00	2	7
455+44.00	456+40.70	7	7

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
448+21.01	449+05.00	7	7
449+05.00	449+40.00	7	2
449+40.00	452+58.89	2	2
453+27.75	453+45.00	7	7
453+45.00	453+60.00	7	9
453+60.00	454+10.00	9	9
454+10.00	454+35.00	9	4
454+35.00	455+32.00	4	4
455+54.00	456+41.48	2	2

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
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- (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE

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NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
TYPICAL SECTIONS
FIFTH AVE / MAGEE ST TO PRIDE ST

Port Authority
connecting people to life

CONTRACT NO. BRT-001	
DWG. NO. CV3	SHT. 78

PLOTTED: 3/21/2024 3:25:21 PM

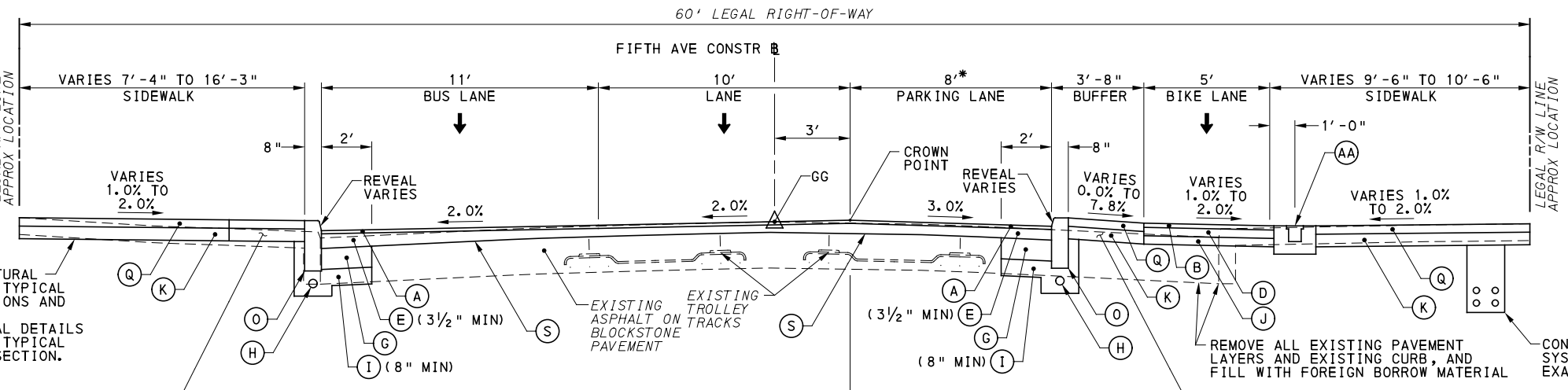
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CURB HEIGHT TABLE - LT			
BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
457+11.18	457+34.00	7	7
457+34.00	457+64.00	7	4
457+64.00	458+31.00	4	4
458+31.00	459+29.56	6	6
459+29.56	459+47.02	6	6
460+11.97	460+35.00	7	7
460+35.00	460+50.00	7	3
460+50.00	460+78.00	3	3
461+08.00	462+00.00	2	2
462+00.00	462+31.00	2	6
462+31.00	463+37.00	2	2
463+37.00	463+47.00	2	4
463+47.00	464+06.00	4	4
464+06.00	465+53.00	2	2
465+53.00	465+63.00	2	4
465+63.00	466+79.00	4	4
467+08.00	468+40.46	7	7

BUILDING/
PARKING
LOT

SEE STRUCTURAL
PLANS FOR TYPICAL
SLAB SECTIONS AND
LOCATIONS.
SEE SPECIAL DETAILS
SHEET FOR TYPICAL
SIDEWALK SECTION.

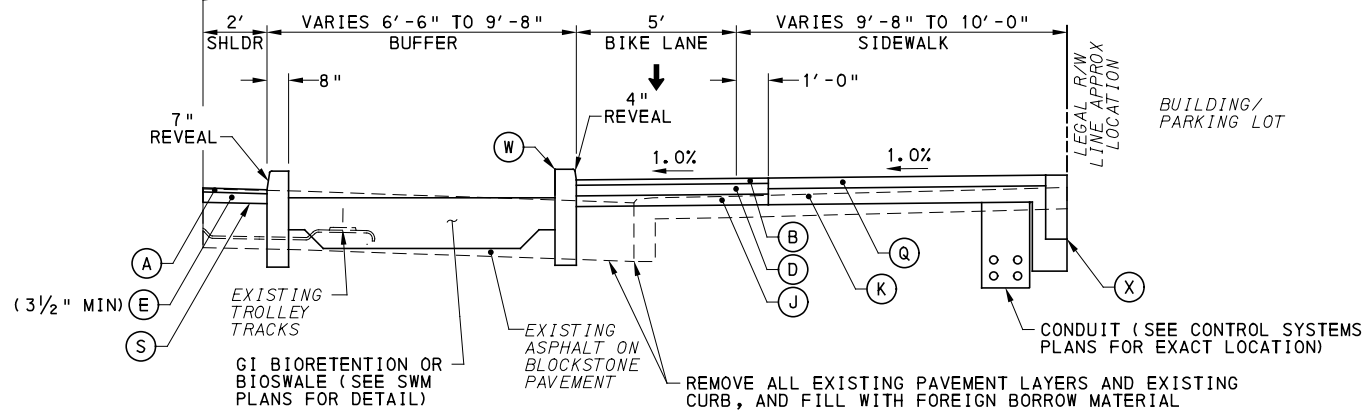
SEE "ALTERNATE SIDEWALK
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CV6 FOR TREE PIT LAYOUT



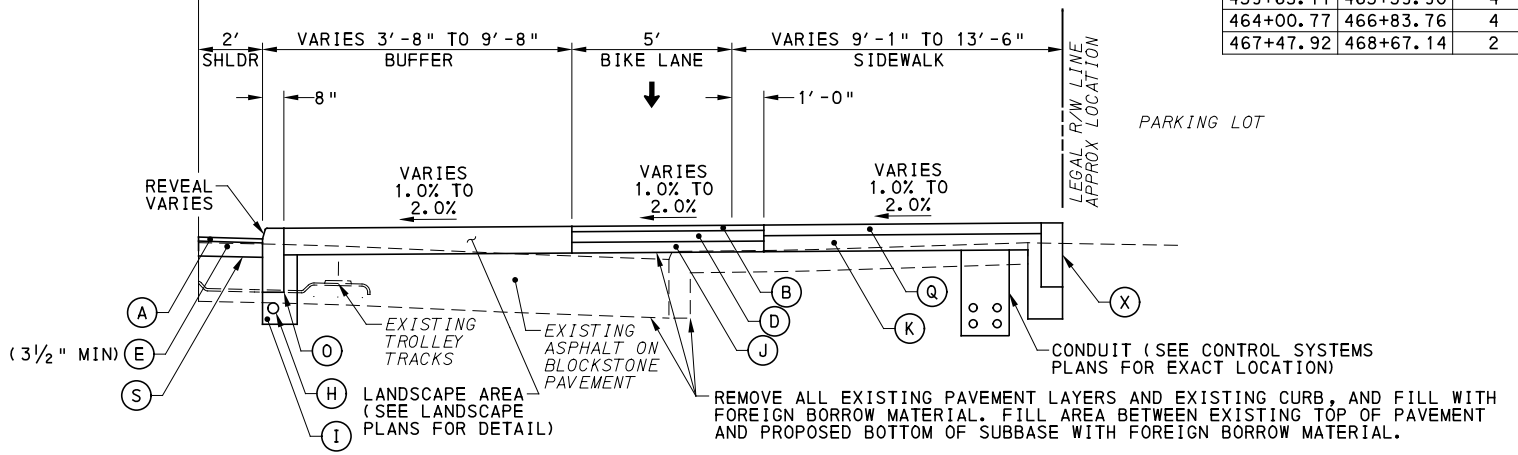
FIFTH AVE BETWEEN PRIDE ST AND DINWIDDIE ST
TYPICAL TANGENT SECTION
NOT TO SCALE
STA 456+82.59 TO STA 468+67.14

* PAINTED BUMPOUT
STA 468+27.86 TO STA 468+77.95

CURB HEIGHT TABLE - RT			
BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
457+10.44	457+47.00	7	7
457+47.00	459+23.68	4	4
459+23.68	463+39.90	4	4
464+00.77	466+83.76	4	4
467+47.92	468+67.14	2	2



FIFTH AVE AT PARKING BUMPOUT WITH GREEN INFRASTRUCTURE
PARTIAL TYPICAL TANGENT SECTION
NOT TO SCALE
STA 456+98.80 TO STA 457+47.17



FIFTH AVE AT PARKING BUMPOUT WITH LANDSCAPE AREA
PARTIAL TYPICAL TANGENT SECTION
NOT TO SCALE
STA 458+83.86 TO STA 459+23.68
STA 459+23.68 TO STA 460+42.14
STA 463+01.86 TO STA 463+39.90
STA 463+89.34 TO STA 464+29.14
STA 466+43.86 TO STA 466+83.76
STA 467+32.94 TO STA 467+79.14

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TRACKS MAY HAVE BEEN REMOVED.

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
- (C) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH
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Gulf Tower
707 Grant Street
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Pittsburgh, PA 15219

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REVISIONS		

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(NOT FOR CONSTRUCTION)

DESIGNED	SDS
DRAWN	SDS
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

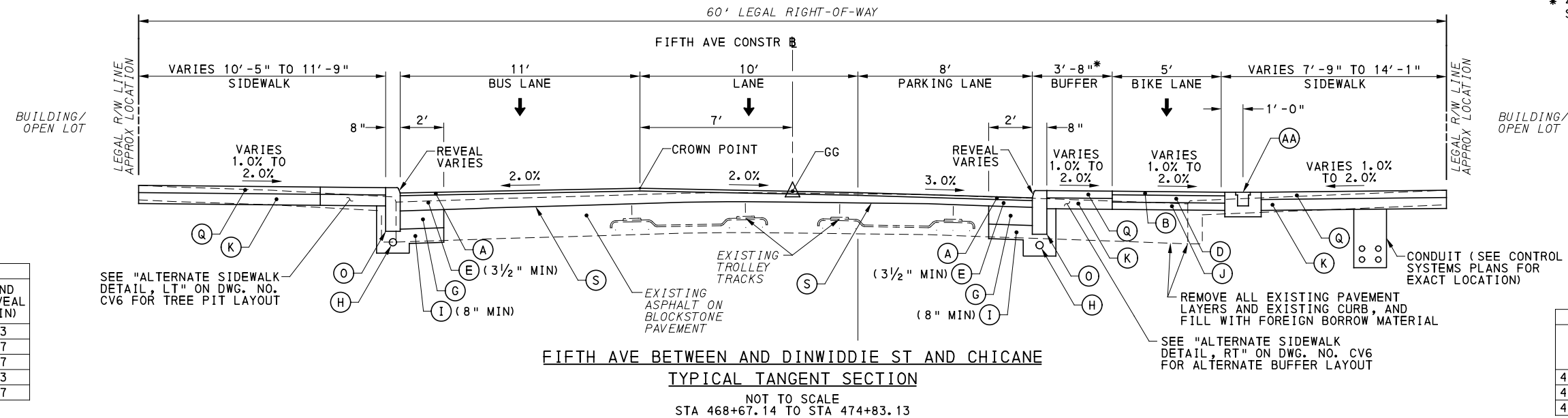
PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
TYPICAL SECTIONS
FIFTH AVE / PRIDE ST TO DINWIDDIE ST

Port Authority connecting people to life

CONTRACT NO. BRT-001
DWG. NO. CV4 SHT. 79

* 4'-6" BUFFER STA 468+10.61 TO STA 474+89.35

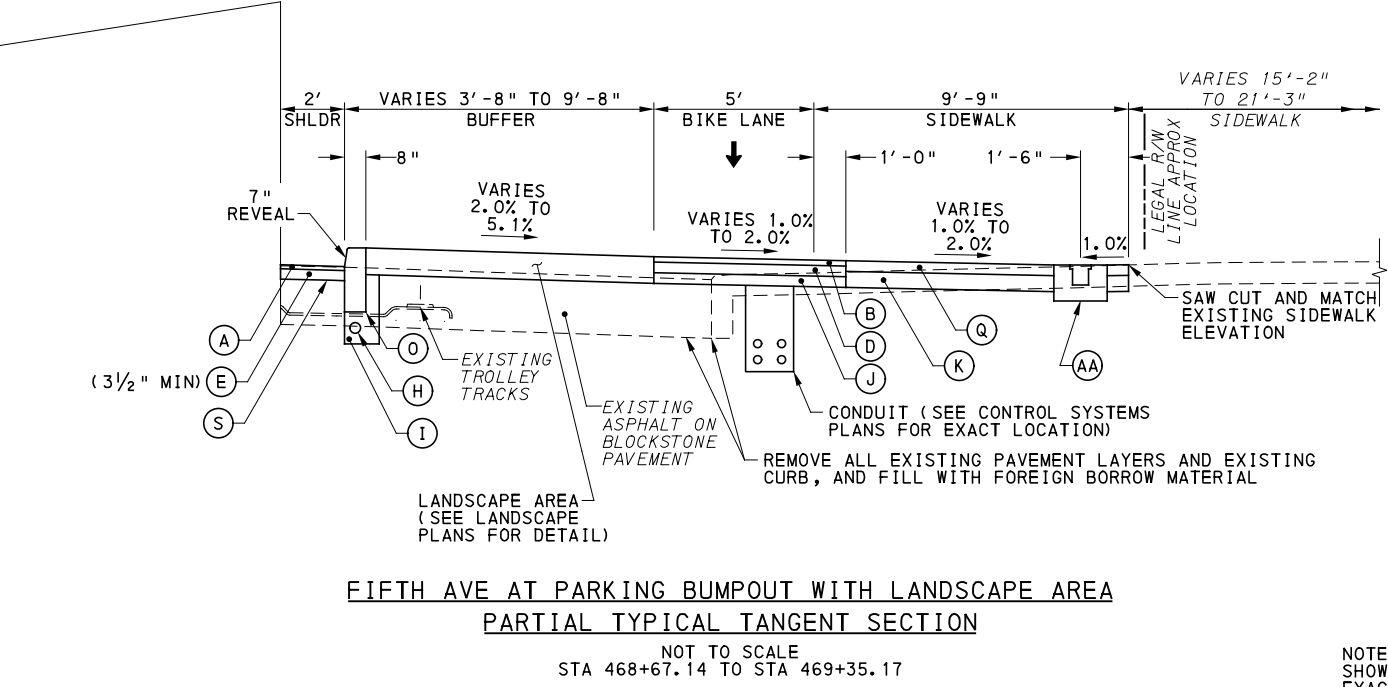
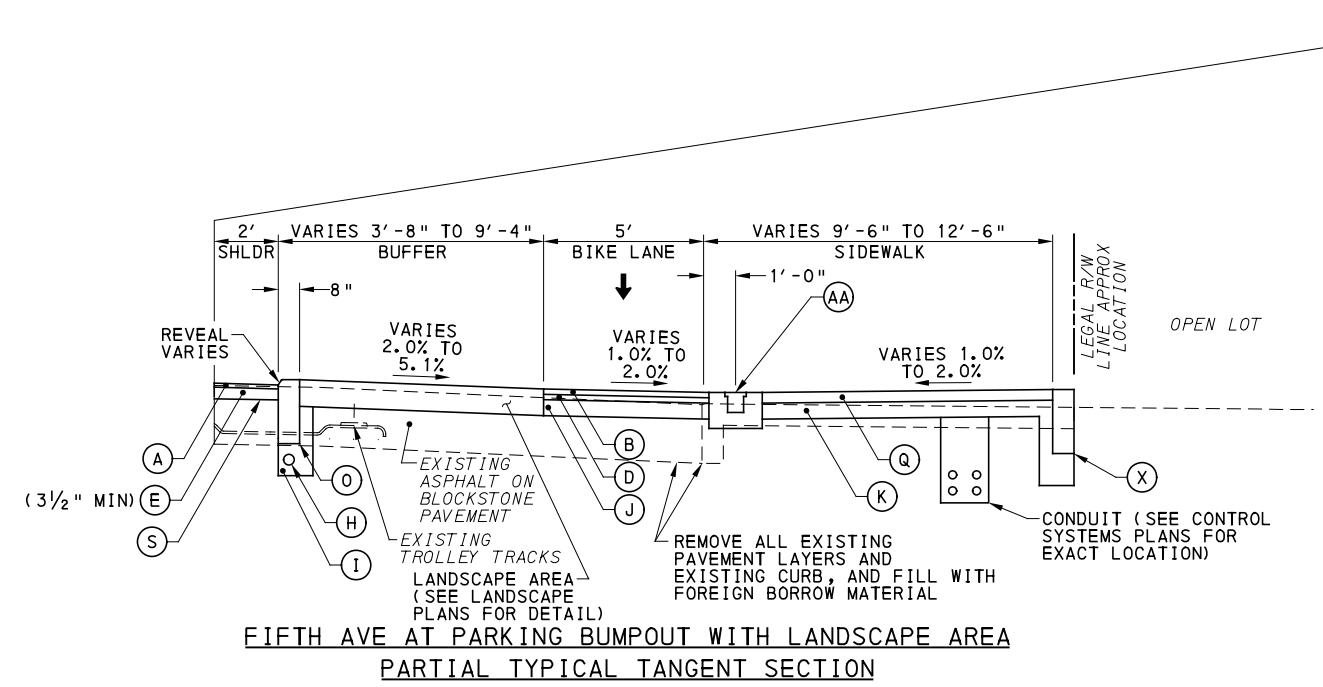


CURB HEIGHT TABLE - LT

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
469+10.66	469+35.00	3	3
469+35.00	469+45.00	3	7
469+45.00	472+45.00	7	7
472+45.00	472+58.84	7	3
473+30.08	474+89.35	7	7

CURB HEIGHT TABLE - RT

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
468+67.14	469+35.17	7	7
469+35.17	472+21.29	2	2
472+70.56	474+83.13	4	4



- LEGEND**
- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
 - (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
 - (C) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH
 - (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH
 - (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX
 - (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
 - (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH
 - (H) 4" PAVEMENT BASE DRAIN
 - (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A
 - (J) SUBBASE 4" DEPTH (NO. 2A)
 - (K) SUBBASE 6" DEPTH (NO. 2A)
 - (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
 - (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A
 - (N) CONCRETE BUFFER
 - (O) REINFORCED CEMENT CONCRETE CURB
 - (P) GRANITE CURB
 - (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH
 - (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH
 - (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER)
 - (T) MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH
 - (U) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH
 - (V) MILLING OF ASPHALT PAVEMENT SURFACE, 3 1/2" DEPTH
 - (W) REINFORCED CEMENT CONCRETE CURB, 36"
 - (X) CURB CHEEK WALL
 - (Y) REMOVE AND RESET INTERLOCKING PAVERS
 - (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN
 - (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE

NOTE: EXISTING TROLLEY TRACKS SHOWN FOR INFORMATION ONLY. THE EXACT LOCATION, LIMITS, AND TYPE OF TRACK IS UNKNOWN. TROLLEY TRACKS MAY HAVE BEEN REMOVED.

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



NO.	DATE	DESCRIPTION
REVISIONS		

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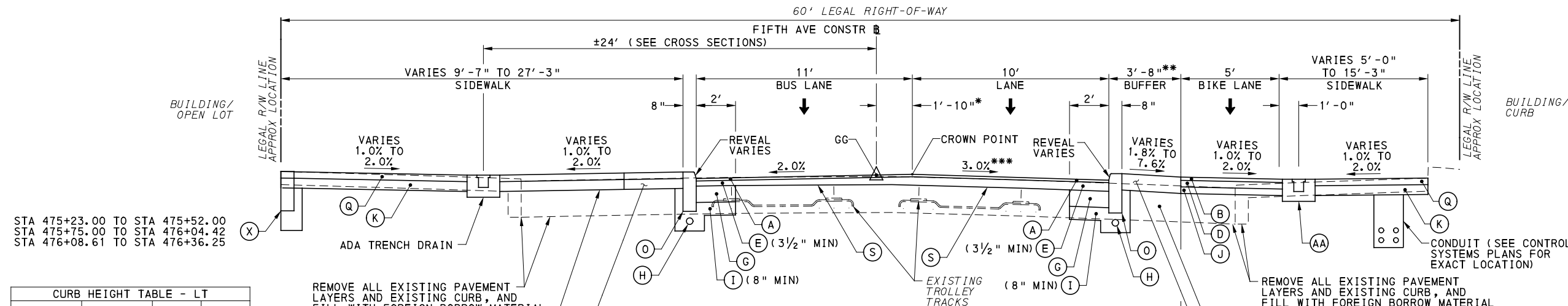
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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
TYPICAL SECTIONS
FIFTH AVE / DINWIDDIE ST TO CHICANE

Port Authority
connecting people to life

CONTRACT NO. BRT-001	
DWG. NO. CV5	SHT. 80

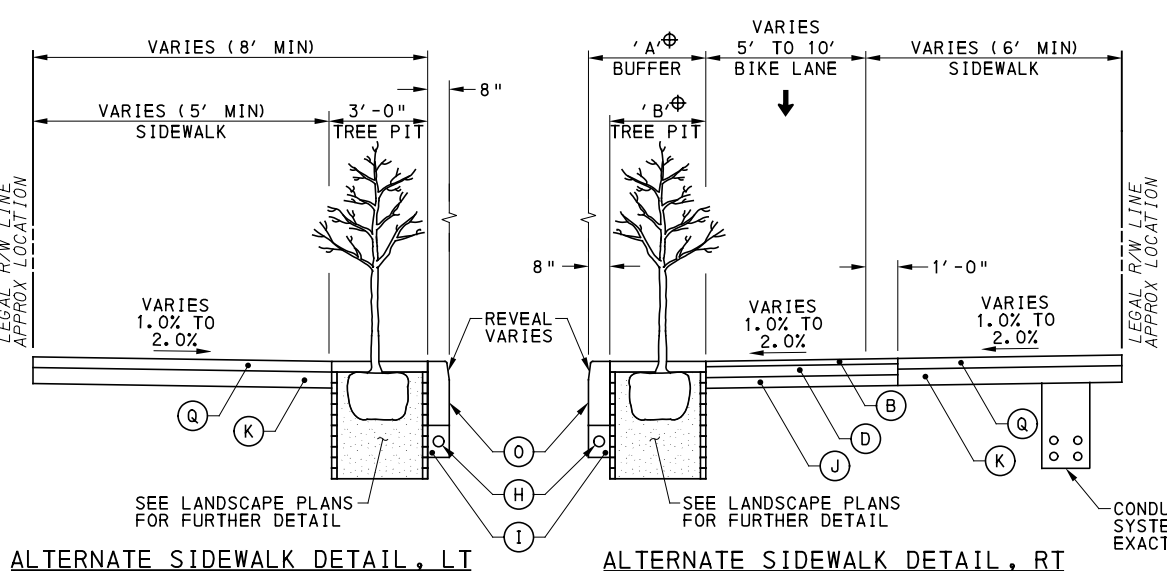


- * VARIES 7'-0", LT TO 1'-10", RT STA 475+02.18 TO STA 475+96.82 VARIES 1'-10", RT TO 7'-6", LT STA 479+28.87 TO STA 480+28.94
- ** VARIES 3'-8" TO 12'-6" STA 479+29.34 TO STA 480+29.41 VARIES 12'-6" TO 5'-0" STA 480+29.41 TO STA 480+41.55
- *** VARIES 3.0% TO 2.0% STA 477+10.00 TO STA 477+30.00 2.0% STA 477+30.00 TO STA 477+55.00 VARIES 2.0% TO 3.0% STA 477+55.00 TO STA 477+75.00

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
474+89.35	475+75.00	7	7
475+75.00	476+00.00	7	4
476+00.00	477+57.05	4	4
478+27.74	480+41.55	4	4

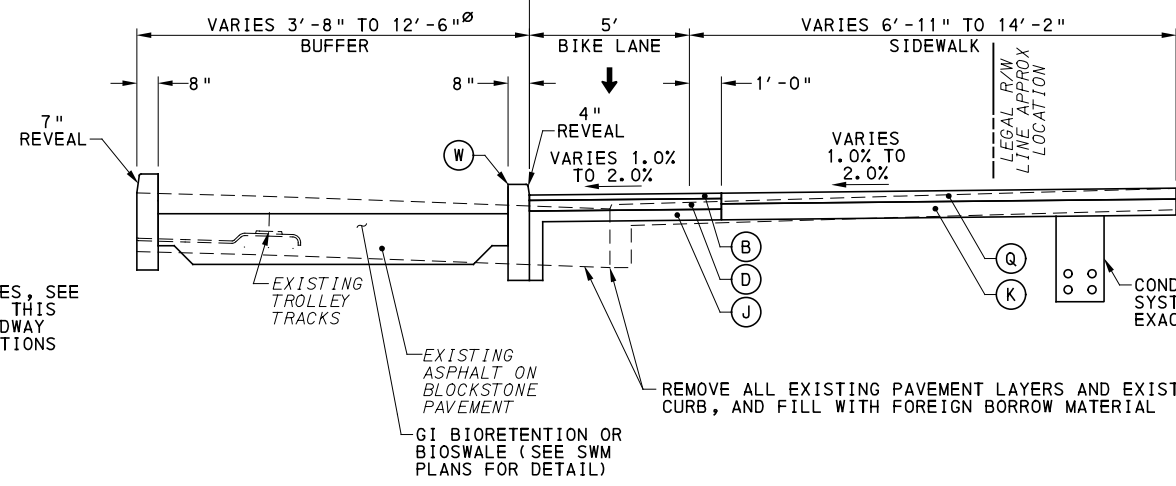
BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
474+83.13	475+96.98	7	7
475+96.98	476+98.19	4	4
477+71.80	480+41.55	4	4

**FIFTH AVE CHICANE
TYPICAL TANGENT SECTION**
NOT TO SCALE
STA 474+83.13 TO STA 480+41.55



⊕ DIMENSION VARIES, SEE TABLE BELOW ON THIS SHEET. SEE ROADWAY PLANS FOR LOCATIONS

A	B
3'-8"	3'-0"
4'-6"	3'-10"
5'-0"	4'-4"



**FIFTH AVE AT CHICANE WITH GREEN INFRASTRUCTURE
PARTIAL TYPICAL TANGENT SECTION**
NOT TO SCALE
STA 474+83.13 TO STA 475+96.98

NOT TO SCALE
SEE PLANS FOR LOCATIONS

NOT TO SCALE
SEE PLANS FOR LOCATIONS

- LEGEND**
- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1/2" DEPTH, SRL-H
 - (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
 - (C) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH
 - (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH
 - (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX
 - (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
 - (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH
 - (H) 4" PAVEMENT BASE DRAIN
 - (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A
 - (J) SUBBASE 4" DEPTH (NO. 2A)
 - (K) SUBBASE 6" DEPTH (NO. 2A)
 - (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
 - (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A
 - (N) CONCRETE BUFFER
 - (O) REINFORCED CEMENT CONCRETE CURB
 - (P) GRANITE CURB
 - (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH
 - (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH
 - (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER)
 - (T) MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH
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 - (V) MILLING OF ASPHALT PAVEMENT SURFACE, 3 1/2" DEPTH
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 - (Y) REMOVE AND RESET INTERLOCKING PAVERS
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 - (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE

NOTE: EXISTING TROLLEY TRACKS SHOWN FOR INFORMATION ONLY. THE EXACT LOCATION, LIMITS, AND TYPE OF TRACK IS UNKNOWN. TROLLEY TRACKS MAY HAVE BEEN REMOVED.

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY

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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

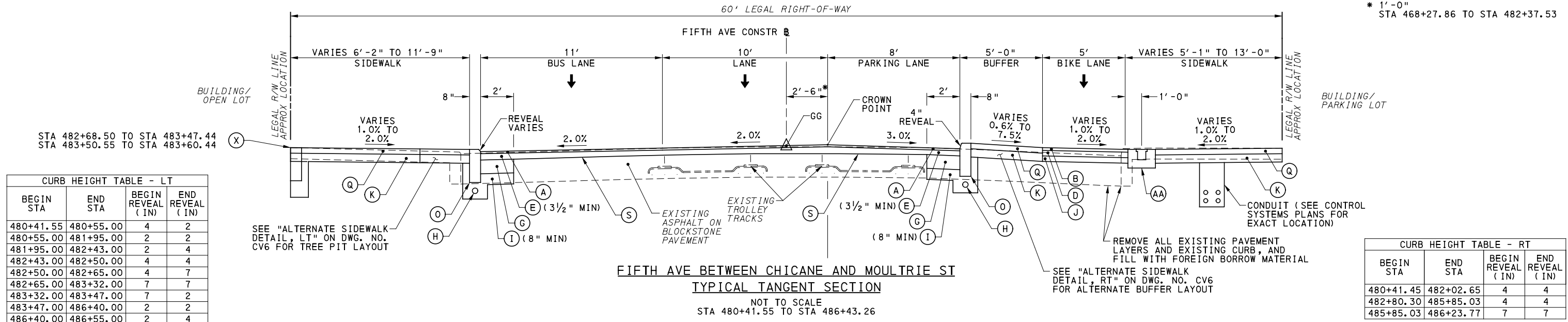
BUS RAPID TRANSIT UPTOWN TO OAKLAND
TYPICAL SECTIONS
FIFTH AVE AT CHICANE

Port Authority
connecting people to life

CONTRACT NO. BRT-001

DWG. NO.	CV6	SHT.	81
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NO.	DATE	DESCRIPTION
REVISIONS		



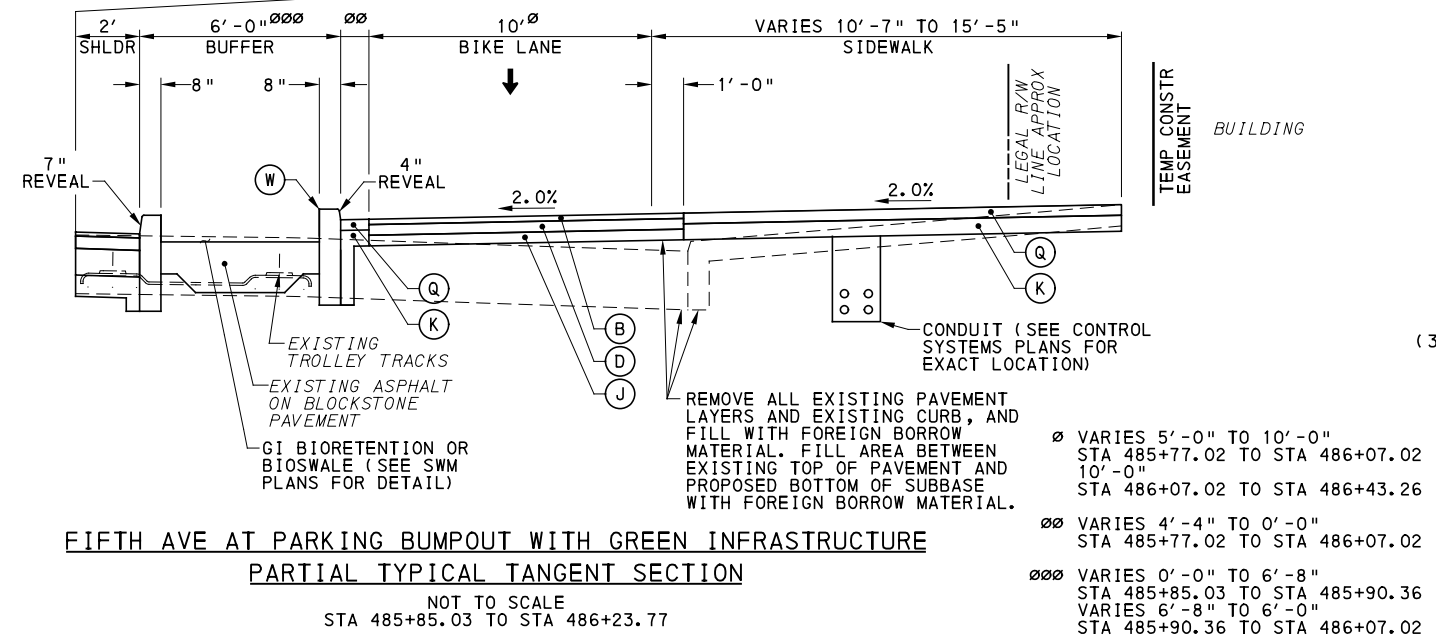
CURB HEIGHT TABLE - LT

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
480+41.55	480+55.00	4	2
480+55.00	481+95.00	2	2
481+95.00	482+43.00	2	4
482+43.00	482+50.00	4	4
482+50.00	482+65.00	4	7
482+65.00	483+32.00	7	7
483+32.00	483+47.00	7	2
483+47.00	486+40.00	2	2
486+40.00	486+55.00	2	4
486+55.00	486+64.89	4	4

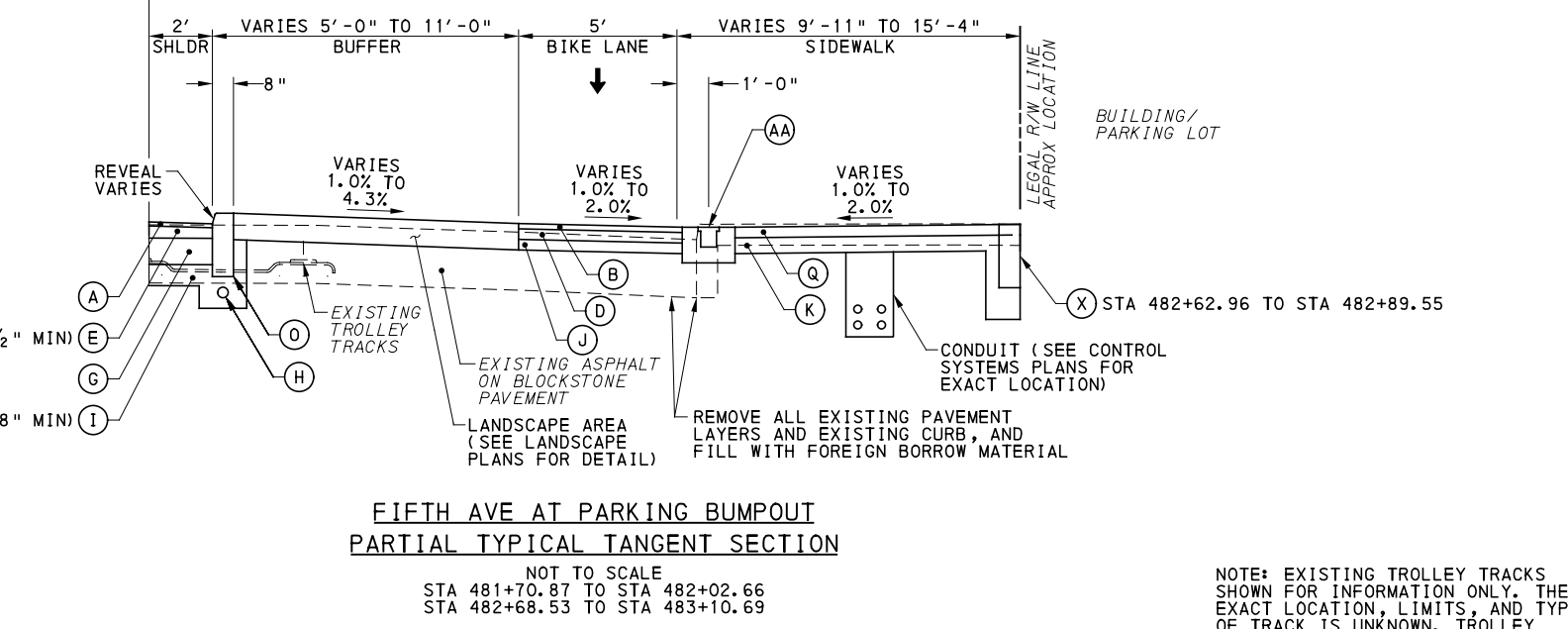
* 1'-0" STA 468+27.86 TO STA 482+37.53

CURB HEIGHT TABLE - RT

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
480+41.45	482+02.65	4	4
482+80.30	485+85.03	4	4
485+85.03	486+23.77	7	7



FIFTH AVE AT PARKING BUMPOUT WITH GREEN INFRASTRUCTURE PARTIAL TYPICAL TANGENT SECTION
NOT TO SCALE
STA 485+85.03 TO STA 486+23.77



FIFTH AVE AT PARKING BUMPOUT PARTIAL TYPICAL TANGENT SECTION
NOT TO SCALE
STA 481+70.87 TO STA 482+02.66
STA 482+68.53 TO STA 483+10.69

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- LEGEND**
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 - (C) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH
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 - (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A
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 - (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
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 - (N) CONCRETE BUFFER
 - (O) REINFORCED CEMENT CONCRETE CURB
 - (P) GRANITE CURB
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 - (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY

AECOM
Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219

NO.	DATE	DESCRIPTION
REVISIONS		

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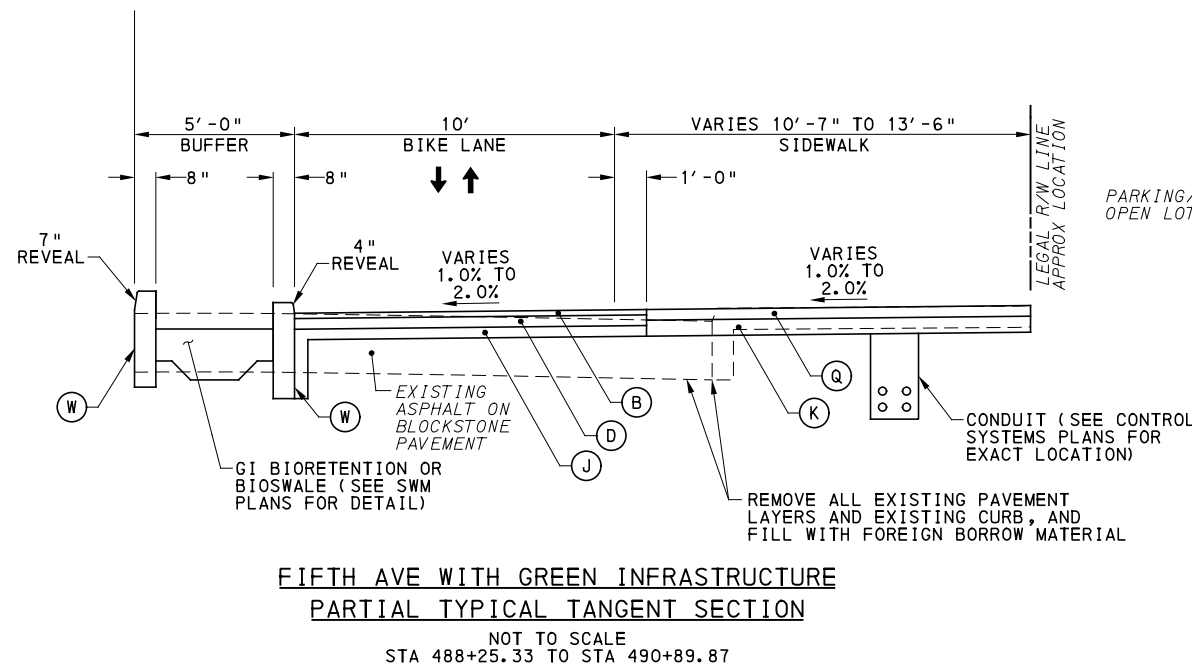
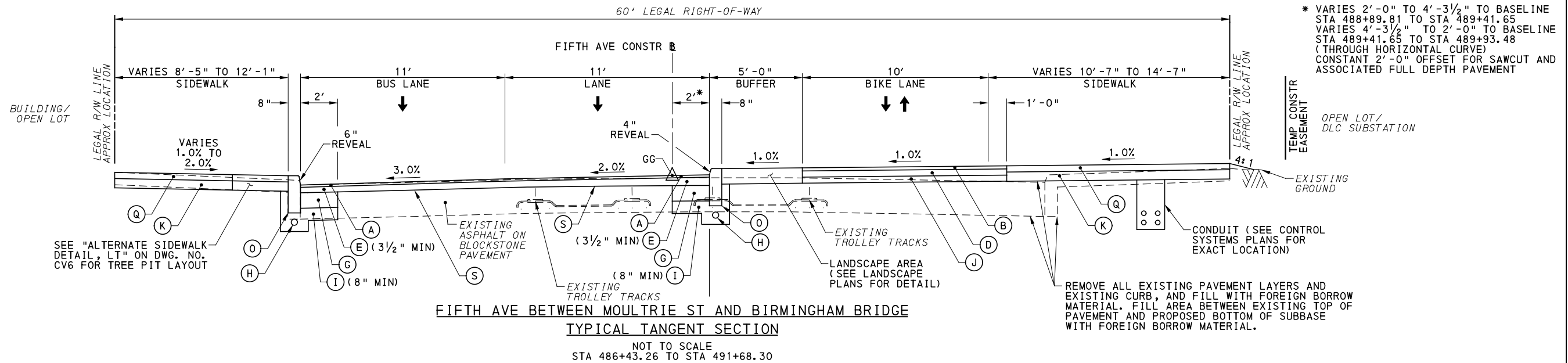
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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND TYPICAL SECTIONS
FIFTH AVE / CHICANE AND MOULTRIE ST

Port Authority
connecting people to life

CONTRACT NO. BRT-001
DWG. NO. CV7
SHT. 82



NOTE: EXISTING TROLLEY TRACKS SHOWN FOR INFORMATION ONLY. THE EXACT LOCATION, LIMITS, AND TYPE OF TRACK IS UNKNOWN. TROLLEY TRACKS MAY HAVE BEEN REMOVED.

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
- (C) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH
- (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH
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- (P) GRANITE CURB
- (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH
- (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH
- (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER)
- (T) MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH
- (U) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH
- (V) MILLING OF ASPHALT PAVEMENT SURFACE, 3 1/2" DEPTH
- (W) REINFORCED CEMENT CONCRETE CURB, 36"
- (X) CURB CHEEK WALL
- (Y) REMOVE AND RESET INTERLOCKING PAVERS
- (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN
- (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE
- ↔ DIRECTIONAL ARROWS



Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219

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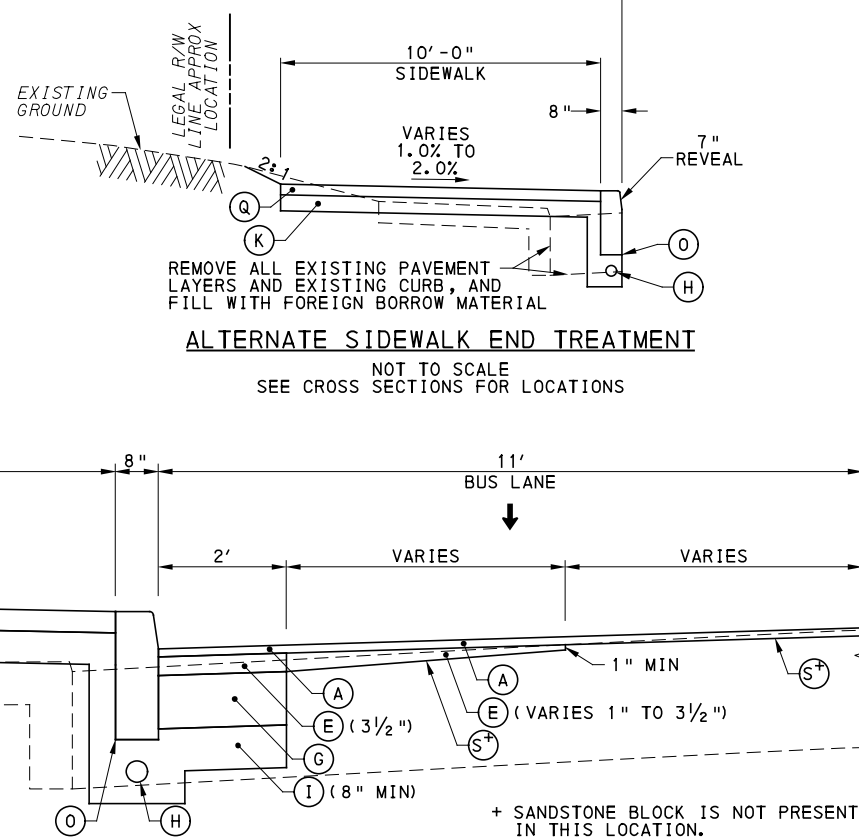
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND TYPICAL SECTIONS	
FIFTH AVE / MOULTRIE ST TO BIRMINGHAM BRIDGE	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. CV8	SHT. 83

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
491+73.50	492+43.00	7	7
492+43.00	492+47.00	7	5
492+47.00	492+90.00	5	5
492+90.00	493+10.00	5	2
493+10.00	493+67.00	2	2
493+67.00	494+15.00	2	7
494+15.00	495+83.18	7	7

SEE STRUCTURAL PLANS FOR TYPICAL SLAB SECTIONS AND LOCATIONS. SEE SPECIAL DETAILS SHEET FOR TYPICAL SIDEWALK SECTION.

REMOVE ALL EXISTING PAVEMENT LAYERS AND EXISTING CURB, AND FILL WITH FOREIGN BORROW MATERIAL



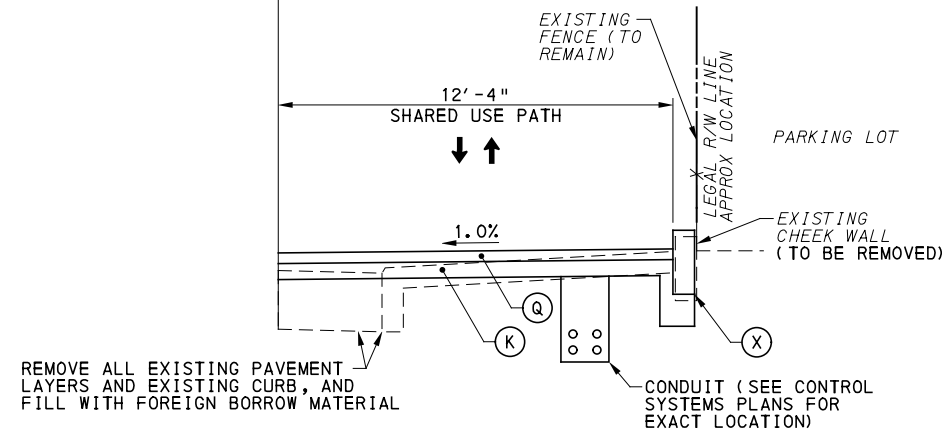
FIFTH AVE BETWEEN BIRMINGHAM BRIDGE AND OAKLAND SUNSHINE DAYCARE
TYPICAL TANGENT SECTION
NOT TO SCALE
STA 491+68.30 TO STA 495+83.18

- * SHIFTS TO EDGE OF BUS LANE STA 494+50.00 TO STA 495+50.00
- ** TRANSITION FROM -2% TO 2% STA 494+50.00 TO STA 495+50.00
- *** TRANSITION FROM -3% TO -2% STA 494+50.00 TO STA 495+50.00

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
492+31.52	493+75.00	7	7
493+75.00	494+00.00	7	4
494+00.00	495+83.18	4	4

ALTERNATE SIDEWALK END TREATMENT
NOT TO SCALE
SEE CROSS SECTIONS FOR LOCATIONS

ALTERNATE PAVING NOTCH
NOT TO SCALE
TO BE USED WHEN WEARING COURSE IN MILL & OVERLAY SECTIONS IS HIGHER THAN EXISTING GROUND STA 502+04.86 TO STA 508+05.00, LT AND AS DIRECTED BY THE ENGINEER



FIFTH AVE AT CHEEK WALL
PARTIAL TYPICAL TANGENT SECTION
NOT TO SCALE
STA 494+22.87 TO STA 495+43.04

LEGEND

- | | | | | |
|---|---|---|---|---|
| (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H | (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX | (J) SUBBASE 4" DEPTH (NO. 2A) | (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH | (W) REINFORCED CEMENT CONCRETE CURB, 36" |
| (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H | (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH | (K) SUBBASE 6" DEPTH (NO. 2A) | (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH | (X) CURB CHEEK WALL |
| (C) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH | (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH | (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A | (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER) | (Y) REMOVE AND RESET INTERLOCKING PAVERS |
| (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH | (H) 4" PAVEMENT BASE DRAIN | (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A | (T) MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH | (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN |
| | (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A | (N) CONCRETE BUFFER | (U) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH | (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE |
| | | (O) REINFORCED CEMENT CONCRETE CURB | (V) MILLING OF ASPHALT PAVEMENT SURFACE, 3 1/2" DEPTH | |
| | | (P) GRANITE CURB | | |

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219

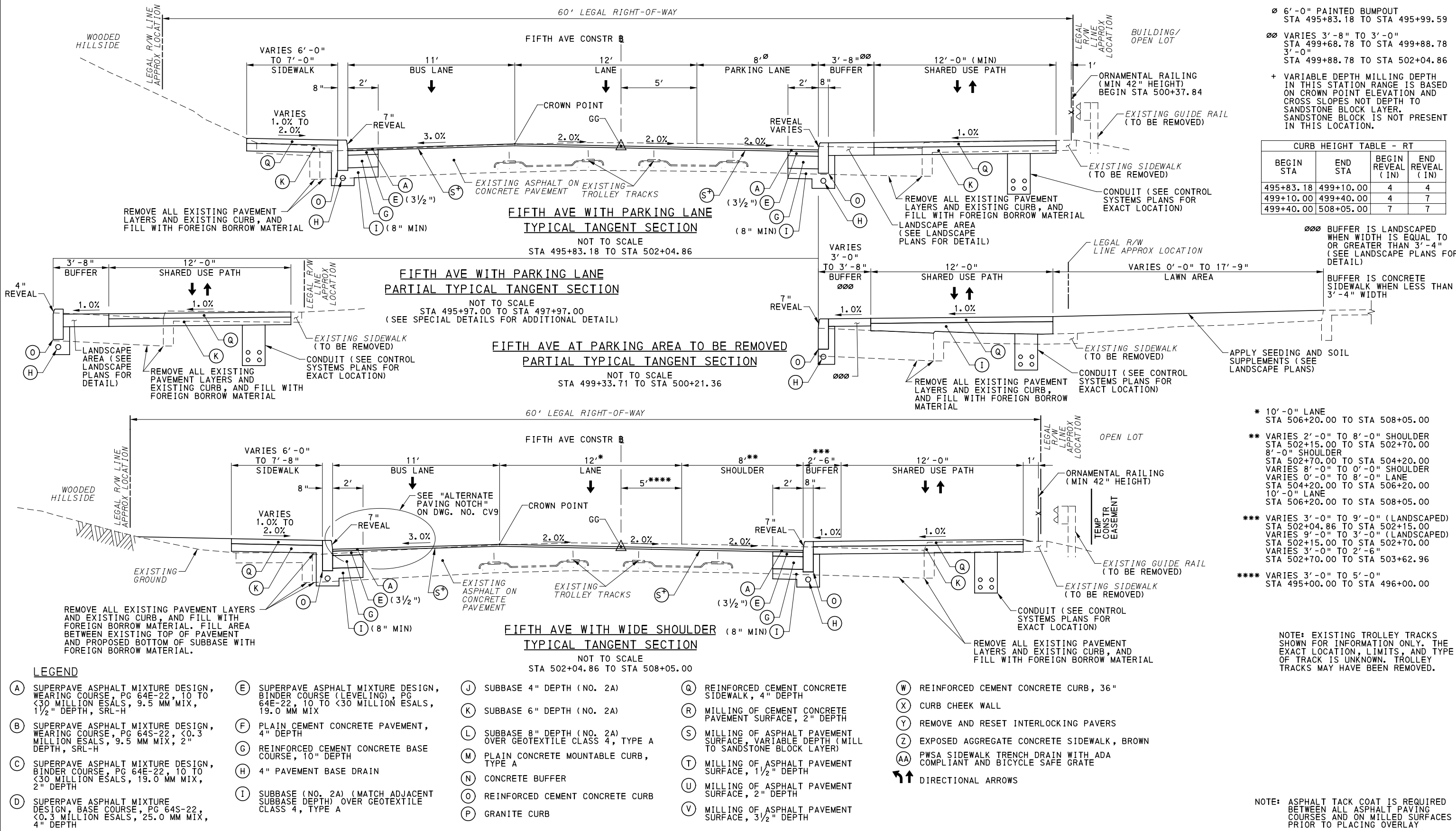
NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

DESIGNED	SDS
DRAWN	SDS
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND TYPICAL SECTIONS	
FIFTH AVE / BIRMINGHAM BRIDGE TO SUNSHINE DAYCARE	
Port Authority connecting people to life	
CONTRACT NO. BRT-001	
DWG. NO.	CV9
SHT.	84



- Ø 6'-0" PAINTED BUMPOUT
STA 495+83.18 TO STA 495+99.59
- ∅∅ VARIES 3'-8" TO 3'-0"
STA 499+68.78 TO STA 499+88.78
STA 499+88.78 TO STA 502+04.86
- + VARIABLE DEPTH MILLING DEPTH
IN THIS STATION RANGE IS BASED
ON CROWN POINT ELEVATION AND
CROSS SLOPES NOT DEPTH TO
SANDSTONE BLOCK LAYER.
SANDSTONE BLOCK IS NOT PRESENT
IN THIS LOCATION.

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
495+83.18	499+10.00	4	4
499+10.00	499+40.00	4	7
499+40.00	508+05.00	7	7

∅∅∅ BUFFER IS LANDSCAPED
WHEN WIDTH IS EQUAL TO
OR GREATER THAN 3'-4"
(SEE LANDSCAPE PLANS FOR
DETAIL)

∅∅∅∅ BUFFER IS CONCRETE
SIDEWALK WHEN LESS THAN
3'-4" WIDTH

- * 10'-0" LANE
STA 506+20.00 TO STA 508+05.00
- ** VARIES 2'-0" TO 8'-0" SHOULDER
STA 502+15.00 TO STA 502+70.00
8'-0" SHOULDER
STA 502+70.00 TO STA 504+20.00
VARIES 8'-0" TO 0'-0" SHOULDER
VARIES 0'-0" TO 8'-0" LANE
STA 504+20.00 TO STA 506+20.00
10'-0" LANE
STA 506+20.00 TO STA 508+05.00
- *** VARIES 3'-0" TO 9'-0" (LANDSCAPED)
STA 502+04.86 TO STA 502+15.00
VARIES 9'-0" TO 3'-0" (LANDSCAPED)
STA 502+15.00 TO STA 502+70.00
VARIES 3'-0" TO 2'-6"
STA 502+70.00 TO STA 503+62.96
- **** VARIES 3'-0" TO 5'-0"
STA 495+00.00 TO STA 496+00.00

NOTE: EXISTING TROLLEY TRACKS
SHOWN FOR INFORMATION ONLY. THE
EXACT LOCATION, LIMITS, AND TYPE
OF TRACK IS UNKNOWN. TROLLEY
TRACKS MAY HAVE BEEN REMOVED.

NOTE: ASPHALT TACK COAT IS REQUIRED
BETWEEN ALL ASPHALT PAVING
COURSES AND ON MILLED SURFACES
PRIOR TO PLACING OVERLAY

LEGEND

- | | | | | |
|---|---|---|---|---|
| (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H | (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX | (J) SUBBASE 4" DEPTH (NO. 2A) | (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH | (W) REINFORCED CEMENT CONCRETE CURB, 36" |
| (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H | (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH | (K) SUBBASE 6" DEPTH (NO. 2A) | (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH | (X) CURB CHEEK WALL |
| (C) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH | (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH | (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A | (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER) | (Y) REMOVE AND RESET INTERLOCKING PAVERS |
| (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH | (H) 4" PAVEMENT BASE DRAIN | (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A | (T) MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH | (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN |
| | (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A | (N) CONCRETE BUFFER | (U) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH | (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE |
| | | (O) REINFORCED CEMENT CONCRETE CURB | (V) MILLING OF ASPHALT PAVEMENT SURFACE, 3 1/2" DEPTH | |
| | | (P) GRANITE CURB | | |



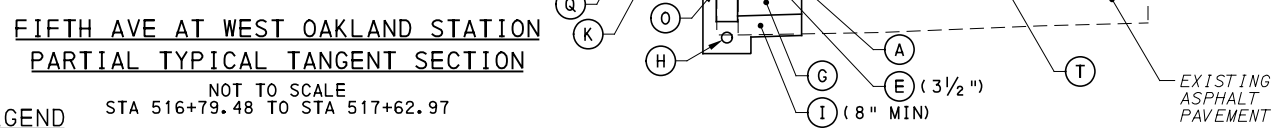
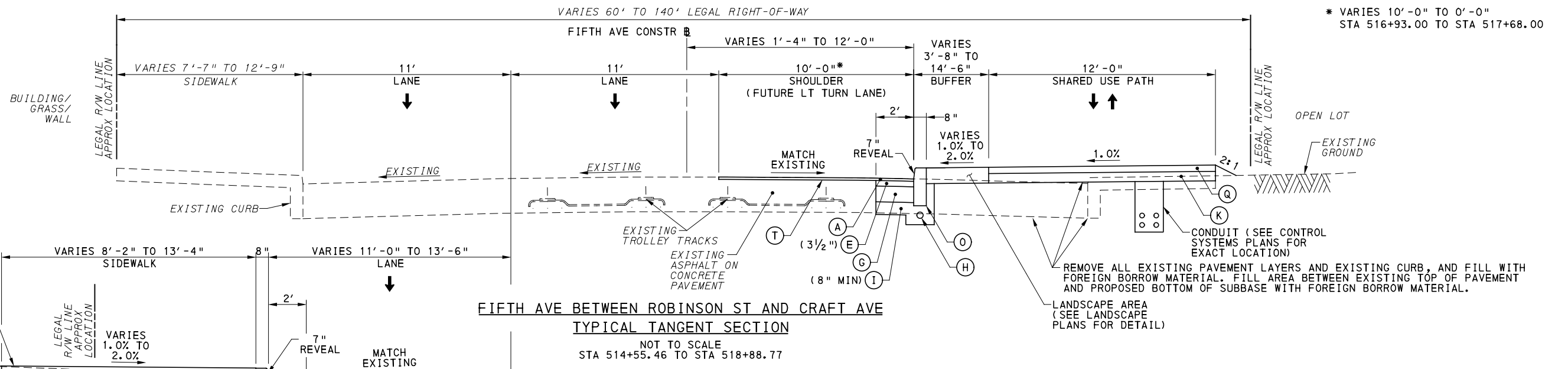
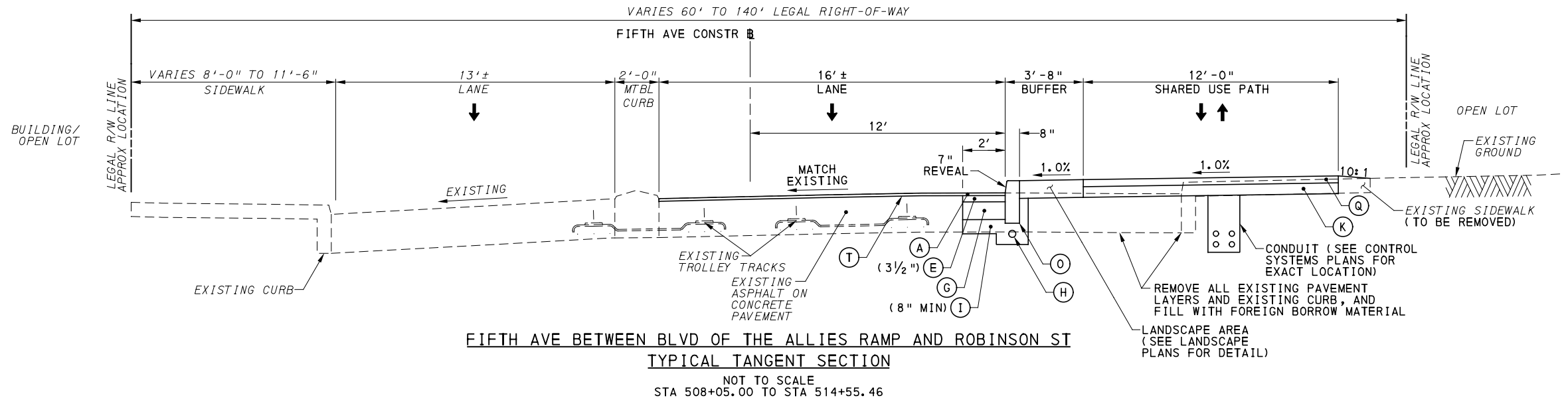
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(NOT FOR CONSTRUCTION)

DESIGNED	SDS
DRAWN	SDS
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH, PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND TYPICAL SECTIONS	
FIFTH AVE WITH PARKING LANE / WIDE SHOULDER	
Port Authority connecting people to life	
CONTRACT NO. BRT-001	DWG. NO. CV10
SHT. 85	



LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
- (C) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH
- (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH
- (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX
- (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
- (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH
- (H) 4" PAVEMENT BASE DRAIN
- (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A
- (J) SUBBASE 4" DEPTH (NO. 2A)
- (K) SUBBASE 6" DEPTH (NO. 2A)
- (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
- (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A
- (N) CONCRETE BUFFER
- (O) REINFORCED CEMENT CONCRETE CURB
- (P) GRANITE CURB
- (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH
- (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH
- (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER)
- (T) MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH
- (U) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH
- (V) MILLING OF ASPHALT PAVEMENT SURFACE, 3 1/2" DEPTH
- (W) REINFORCED CEMENT CONCRETE CURB, 36"
- (X) CURB CHEEK WALL
- (Y) REMOVE AND RESET INTERLOCKING PAVERS
- (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN
- (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE

NOTE: EXISTING TROLLEY TRACKS SHOWN FOR INFORMATION ONLY. THE EXACT LOCATION, LIMITS, AND TYPE OF TRACK IS UNKNOWN. TROLLEY TRACKS MAY HAVE BEEN REMOVED.

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



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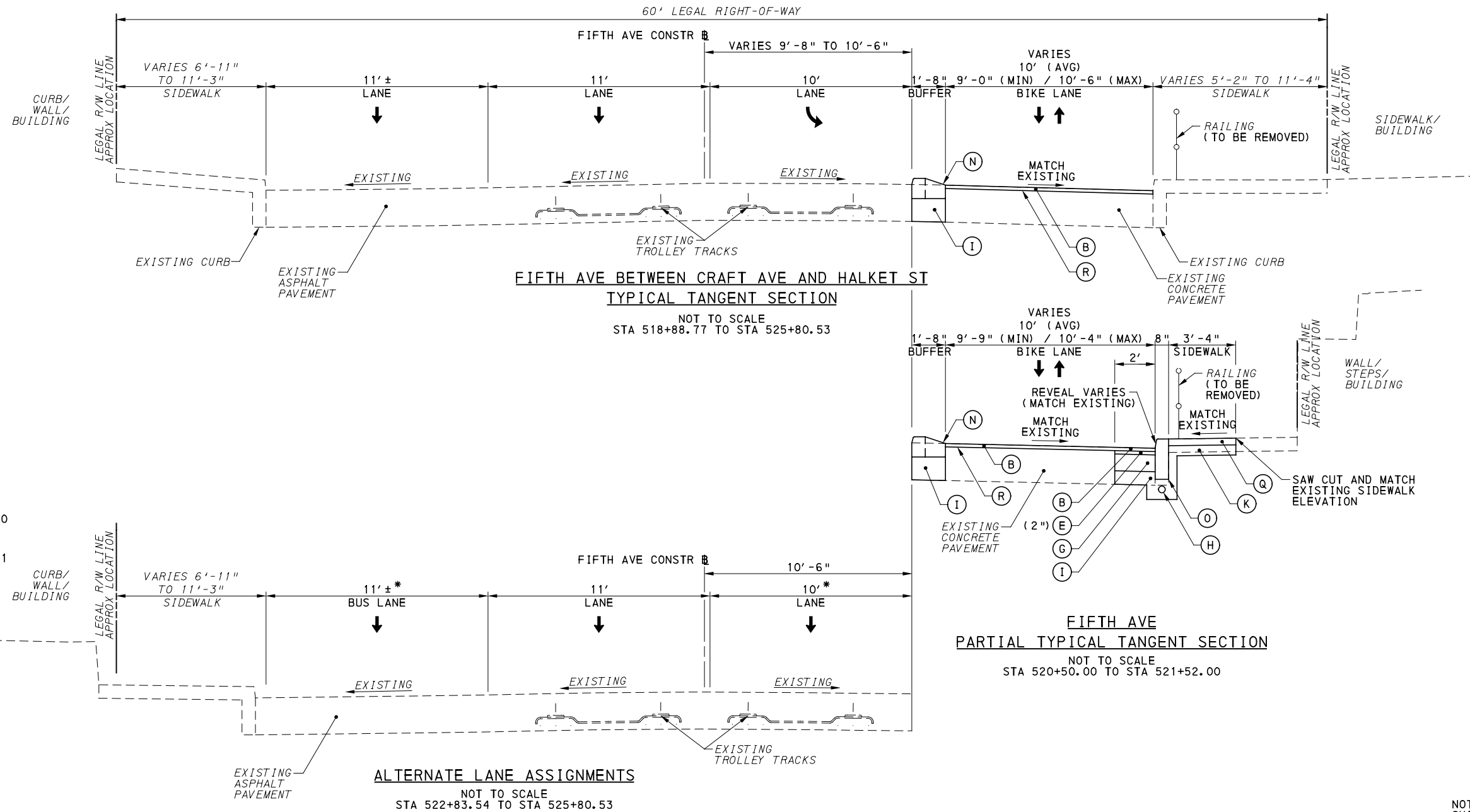
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DRAWN	SDS
CHECKED	BFS
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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 TYPICAL SECTIONS
 FIFTH AVE / BLVD OF THE ALLIES TO CRAFT ST

Port Authority connecting people to life

CONTRACT NO. BRT-001
 DWG. NO. CV11 SHT. 86



* VARIES 0'-0" TO 11'-0"
STA 523+09.00 TO STA 524+59.00

** PAINTED GORE/SHLDR
STA 522+83.54 TO STA 524+42.31

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
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- (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH
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- (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
- (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH
- (H) 4" PAVEMENT BASE DRAIN
- (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A
- (J) SUBBASE 4" DEPTH (NO. 2A)
- (K) SUBBASE 6" DEPTH (NO. 2A)
- (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
- (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A
- (N) CONCRETE BUFFER
- (O) REINFORCED CEMENT CONCRETE CURB
- (P) GRANITE CURB
- (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH
- (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH
- (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER)
- (T) MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH
- (U) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH
- (V) MILLING OF ASPHALT PAVEMENT SURFACE, 3 1/2" DEPTH
- (W) REINFORCED CEMENT CONCRETE CURB, 36"
- (X) CURB CHEEK WALL
- (Y) REMOVE AND RESET INTERLOCKING PAVERS
- (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN
- (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE

NOTE: EXISTING TROLLEY TRACKS SHOWN FOR INFORMATION ONLY. THE EXACT LOCATION, LIMITS, AND TYPE OF TRACK IS UNKNOWN. TROLLEY TRACKS MAY HAVE BEEN REMOVED.

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707 Grant Street
5th Floor
Pittsburgh, PA 15219

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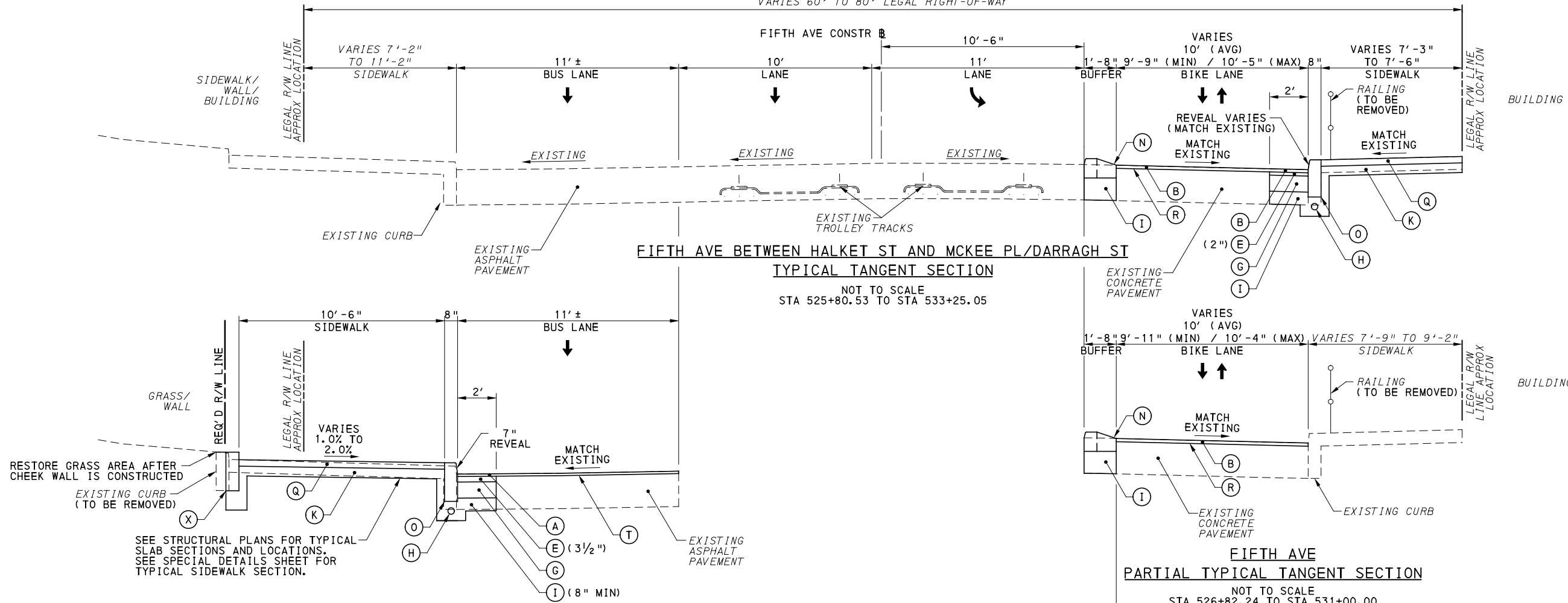
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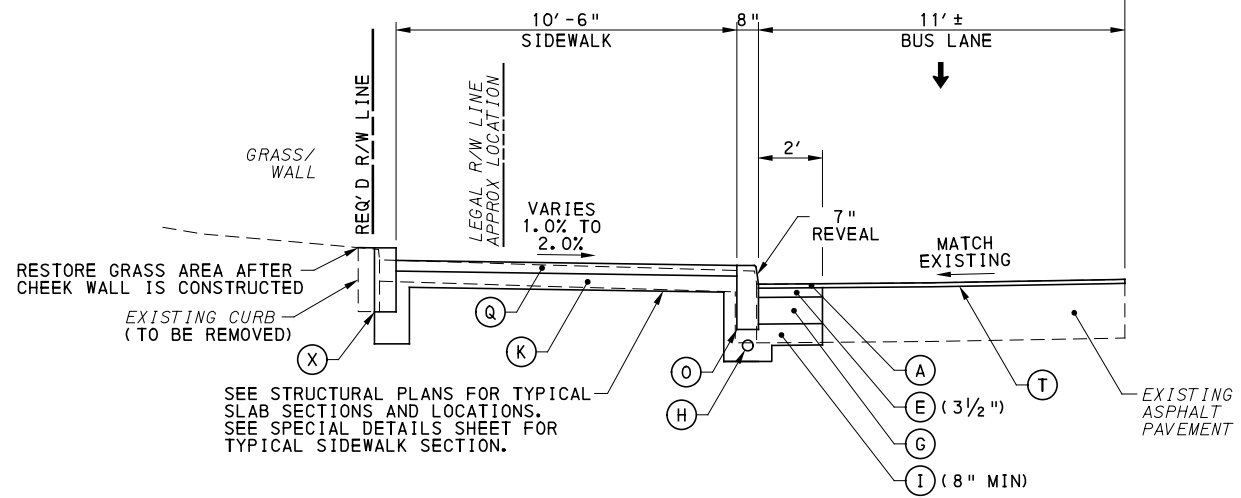
DESIGNED	SDS
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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND TYPICAL SECTIONS FIFTH AVE / CRAFT ST TO HALKET ST	
Port Authority connecting people to life	CONTRACT NO. BRT-001
DWG. NO. CV12	SHT. 87

VARIABLES 60' TO 80' LEGAL RIGHT-OF-WAY

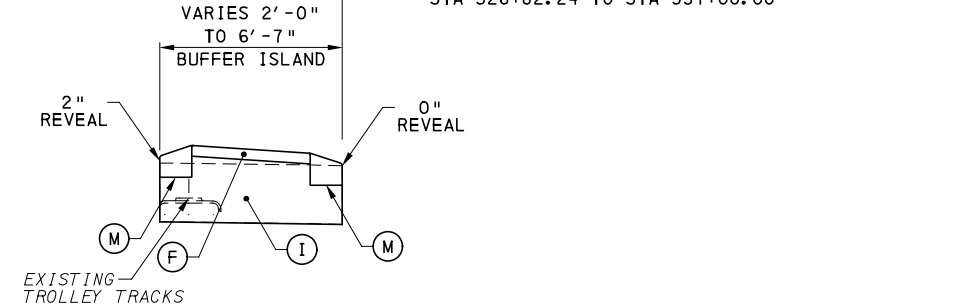


FIFTH AVE BETWEEN HALKET ST AND MCKEE PL/DARRAGH ST
TYPICAL TANGENT SECTION
NOT TO SCALE
STA 525+80.53 TO STA 533+25.05



FIFTH AVE AT CHESTERFIELD RD STATION
PARTIAL TYPICAL TANGENT SECTION
NOT TO SCALE
STA 527+12.82 TO STA 528+02.00

CURB HEIGHT TABLE - LT			
BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
527+19.80	527+88.56	7	7
527+88.56	528+02.00	7	4



ALTERNATE BUFFER DETAIL
NOT TO SCALE
STA 530+95.32 TO STA 532+53.22

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LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
- (C) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH
- (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH
- (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX
- (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
- (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH
- (H) 4" PAVEMENT BASE DRAIN
- (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A
- (J) SUBBASE 4" DEPTH (NO. 2A)
- (K) SUBBASE 6" DEPTH (NO. 2A)
- (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
- (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A
- (N) CONCRETE BUFFER
- (O) REINFORCED CEMENT CONCRETE CURB
- (P) GRANITE CURB
- (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH
- (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH
- (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER)
- (T) MILLING OF ASPHALT PAVEMENT SURFACE, 1/2" DEPTH
- (U) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH
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NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



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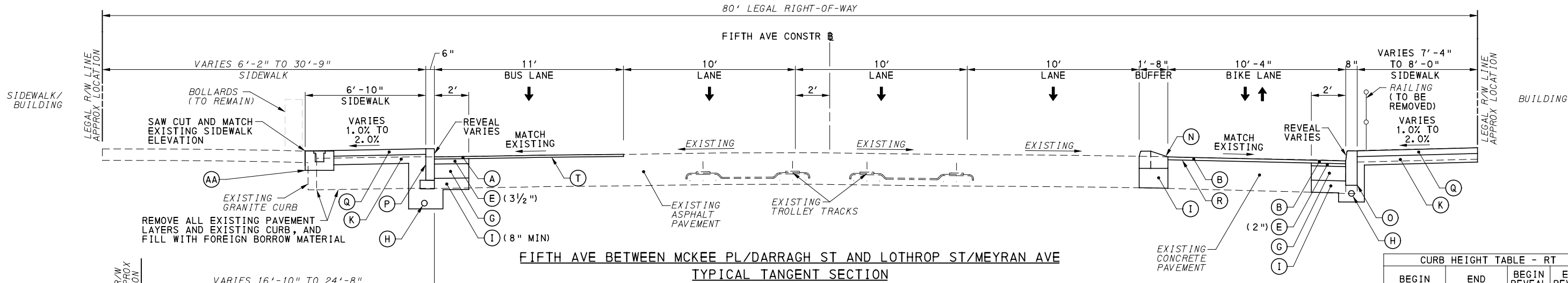
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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
TYPICAL SECTIONS
FIFTH AVE / HALKET ST TO MCKEE PL



CONTRACT NO. BRT-001	
DWG. NO. CV13	SHT. 88



CURB HEIGHT TABLE - LT

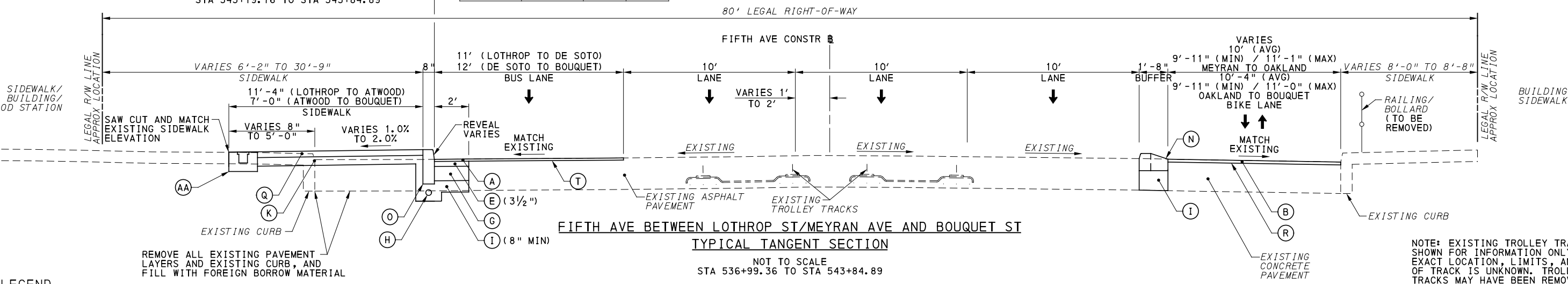
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533+54.01	535+95.48	5 1/4	5 1/4
537+29.75	537+40.00	4	5 1/2
537+40.00	538+25.00	5 1/2	5 1/2
538+25.00	538+35.00	5 1/2	7
538+35.00	539+39.75	7	7
540+01.54	541+07.67	3	3
541+39.33	541+65.64	7	7
542+36.46	543+19.76	4	4

CURB HEIGHT TABLE - RT

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
533+03.95	533+85.00	5	5
533+85.00	533+95.00	5	7
533+95.00	536+10.00	7	7
536+10.00	536+20.00	7	6
536+20.00	536+69.68	6	6

FIFTH AVE PARTIAL TYPICAL TANGENT SECTION
 NOT TO SCALE
 STA 536+28.76 TO STA 537+29.75
 STA 539+81.42 TO STA 541+65.87
 STA 543+19.76 TO STA 543+84.89

FIFTH AVE BETWEEN MCKEE PL/DARRAGH ST AND LOTHROP ST/MEYRAN AVE TYPICAL TANGENT SECTION
 NOT TO SCALE
 STA 533+25.05 TO STA 536+99.36



CURB HEIGHT TABLE - LT

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
533+54.01	535+95.48	5 1/4	5 1/4
537+29.75	537+40.00	4	5 1/2
537+40.00	538+25.00	5 1/2	5 1/2
538+25.00	538+35.00	5 1/2	7
538+35.00	539+39.75	7	7
540+01.54	541+07.67	3	3
541+39.33	541+65.64	7	7
542+36.46	543+19.76	4	4

NOTE: EXISTING TROLLEY TRACKS SHOWN FOR INFORMATION ONLY. THE EXACT LOCATION, LIMITS, AND TYPE OF TRACK IS UNKNOWN. TROLLEY TRACKS MAY HAVE BEEN REMOVED.

FIFTH AVE BETWEEN LOTHROP ST/MEYRAN AVE AND BOUQUET ST TYPICAL TANGENT SECTION
 NOT TO SCALE
 STA 536+99.36 TO STA 543+84.89

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
- (C) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH
- (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH
- (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX
- (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
- (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH
- (H) 4" PAVEMENT BASE DRAIN
- (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A
- (J) SUBBASE 4" DEPTH (NO. 2A)
- (K) SUBBASE 6" DEPTH (NO. 2A)
- (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
- (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A
- (N) CONCRETE BUFFER
- (O) REINFORCED CEMENT CONCRETE CURB
- (P) GRANITE CURB
- (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH
- (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH
- (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER)
- (T) MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH
- (U) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH
- (V) MILLING OF ASPHALT PAVEMENT SURFACE, 3 1/2" DEPTH
- (W) REINFORCED CEMENT CONCRETE CURB, 36"
- (X) CURB CHEEK WALL
- (Y) REMOVE AND RESET INTERLOCKING PAVERS
- (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN
- (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



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REVISIONS		

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(NOT FOR CONSTRUCTION)

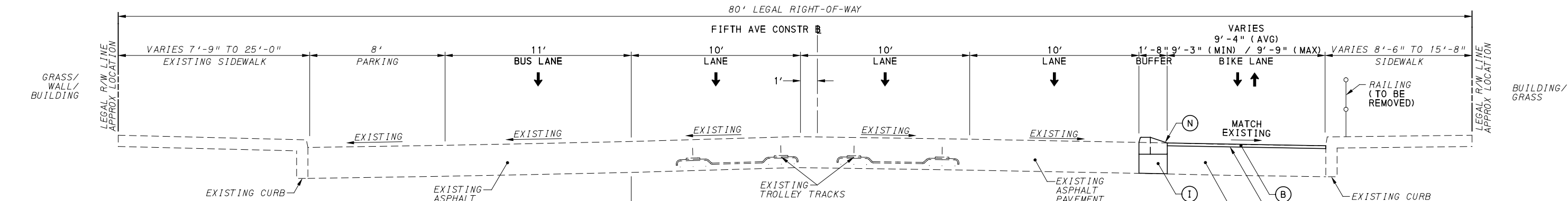
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CHECKED	BFS
IN CHARGE	LAR
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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND TYPICAL SECTIONS
 FIFTH AVE / MCKEE PL TO BOUQUET ST

Port Authority connecting people to life

CONTRACT NO. BRT-001
 DWG. NO. CV14 SHT. 89

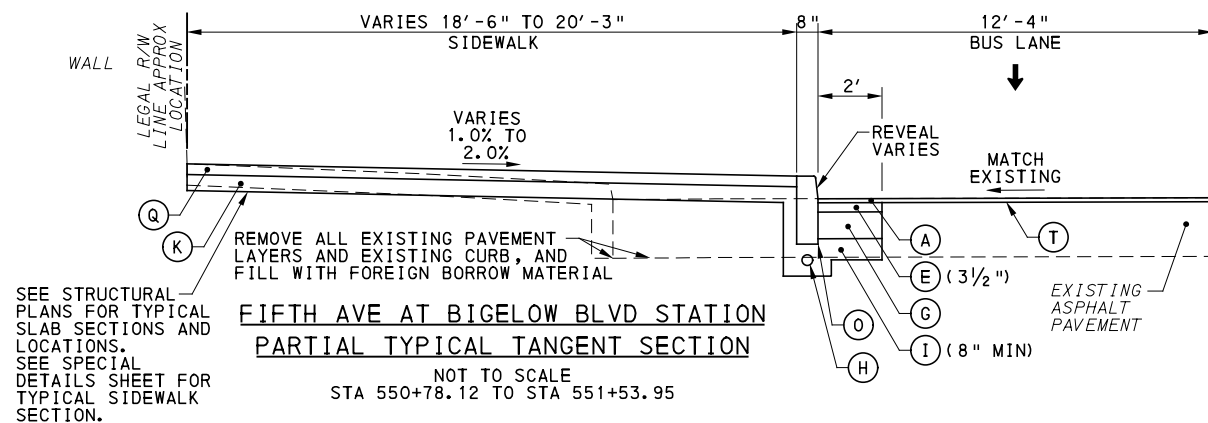


FIFTH AVE BETWEEN BOUQUET ST AND BIGELOW BLVD

TYPICAL TANGENT SECTION

NOT TO SCALE
STA 543+84.89 TO STA 553+80.75

CURB HEIGHT TABLE - LT			
BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
550+78.12	550+89.63	5 1/2	7
550+89.63	553+05.00	7	7
553+05.00	553+15.00	7	12
553+15.00	553+23.11	12	12

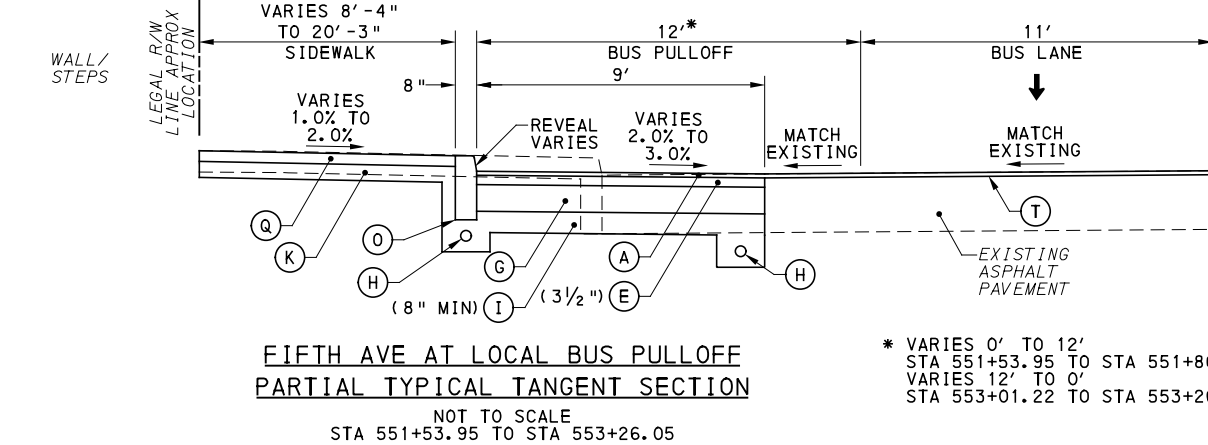


FIFTH AVE AT BIGELOW BLVD STATION

PARTIAL TYPICAL TANGENT SECTION

NOT TO SCALE
STA 550+78.12 TO STA 551+53.95

SEE STRUCTURAL PLANS FOR TYPICAL SLAB SECTIONS AND LOCATIONS. SEE SPECIAL DETAILS SHEET FOR TYPICAL SIDEWALK SECTION.

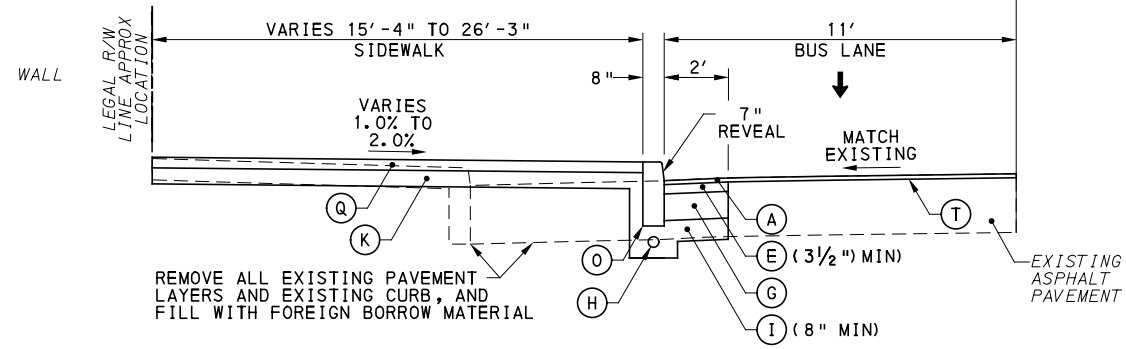


FIFTH AVE AT LOCAL BUS PULLOFF

PARTIAL TYPICAL TANGENT SECTION

NOT TO SCALE
STA 551+53.95 TO STA 553+26.05

* VARIES 0' TO 12' STA 551+53.95 TO STA 551+80.29
VARIES 12' TO 0' STA 553+01.22 TO STA 553+26.05



FIFTH AVE AT PARKING BUMPOUT

PARTIAL TYPICAL TANGENT SECTION

NOT TO SCALE
STA 553+26.05 TO STA 553+54.60

REMOVE ALL EXISTING PAVEMENT LAYERS AND EXISTING CURB, AND FILL WITH FOREIGN BORROW MATERIAL

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LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
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- (N) CONCRETE BUFFER
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- (P) GRANITE CURB
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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

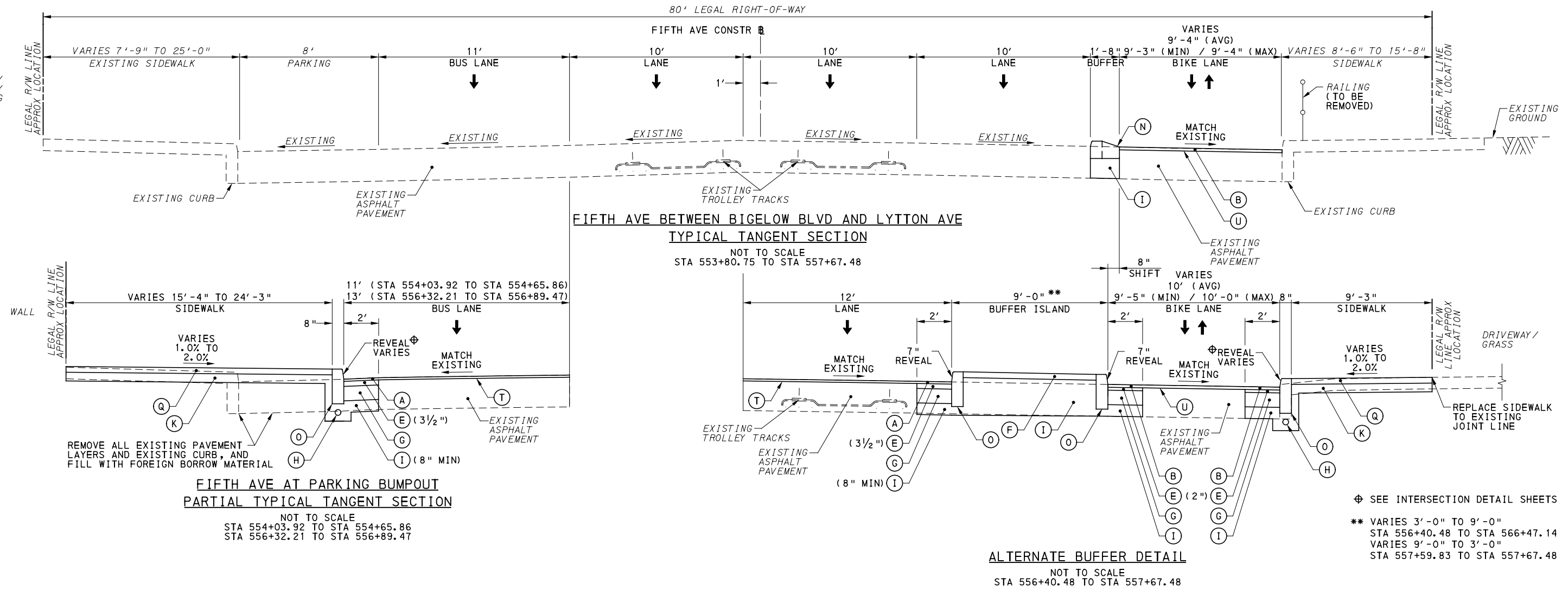
BUS RAPID TRANSIT UPTOWN TO OAKLAND
TYPICAL SECTIONS

FIFTH AVE BOUQUET ST TO BIGELOW BLVD

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CONTRACT NO. BRT-001

DWG. NO. CV15 SHT. 90



LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
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- (↑↑) DIRECTIONAL ARROWS

⊕ SEE INTERSECTION DETAIL SHEETS
 ** VARIES 3'-0" TO 9'-0"
 STA 556+40.48 TO STA 566+47.14
 VARIES 9'-0" TO 3'-0"
 STA 557+59.83 TO STA 557+67.48

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AECOM
 Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

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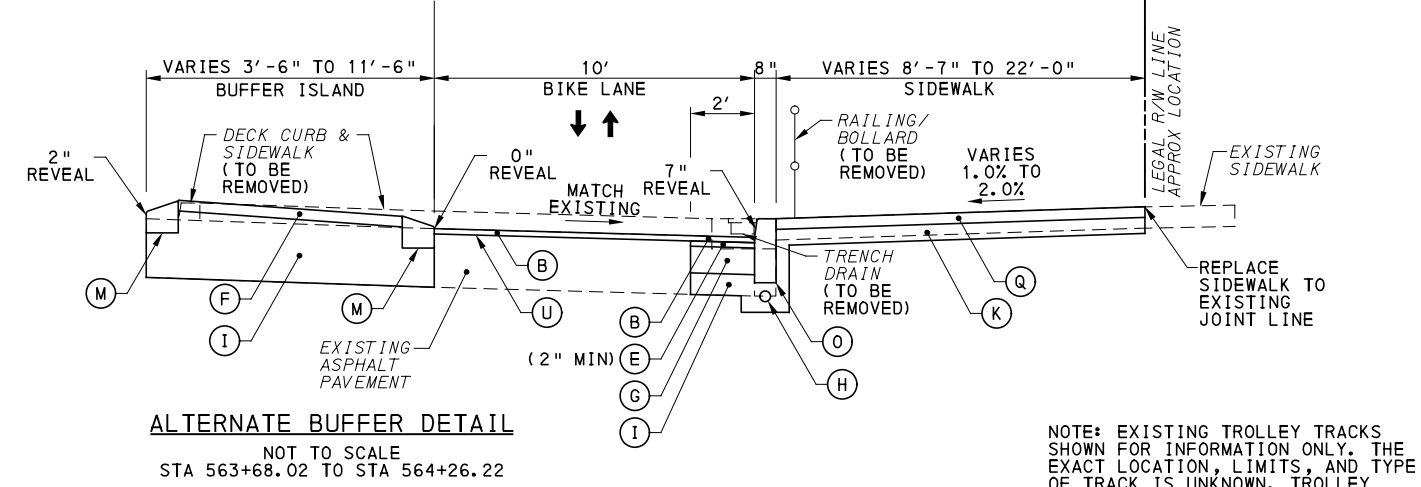
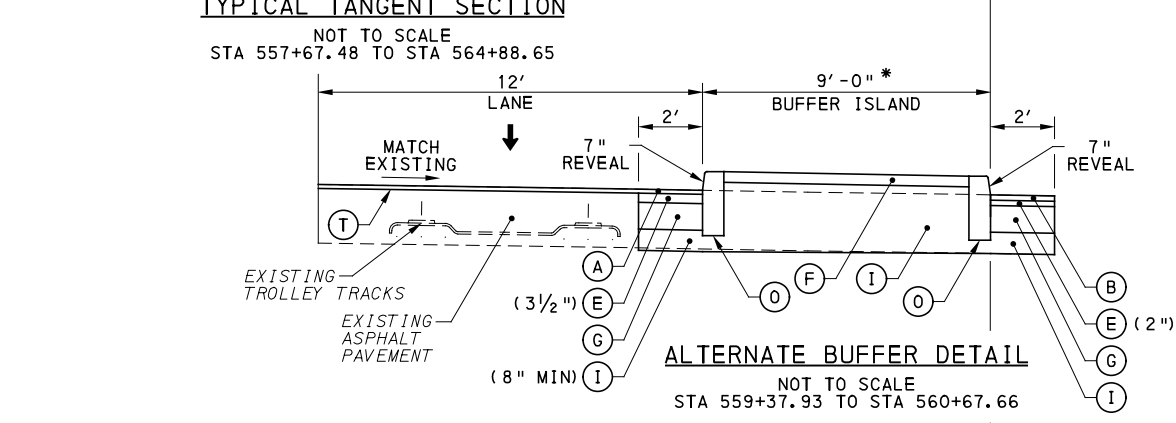
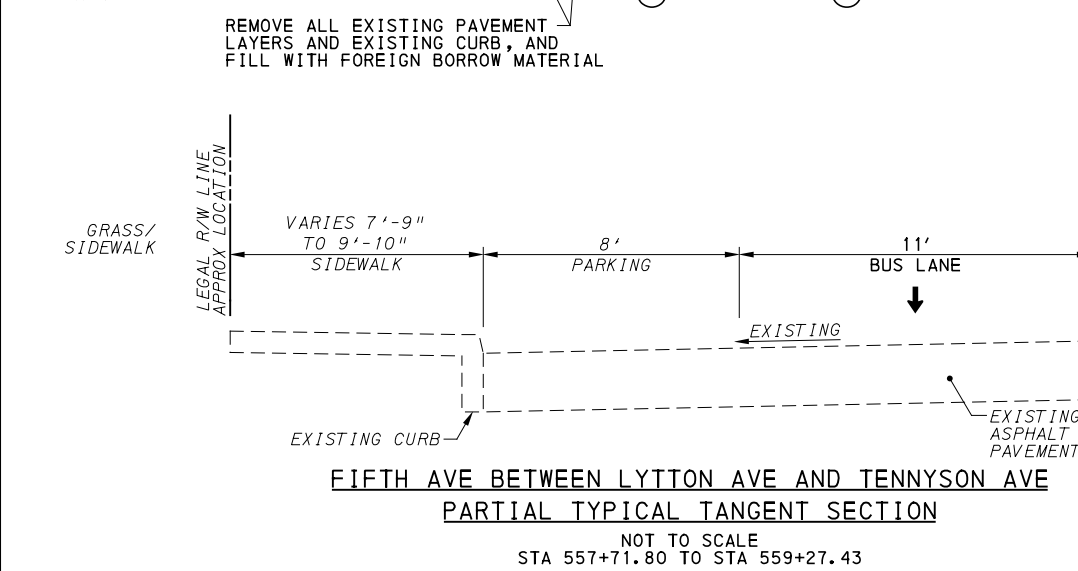
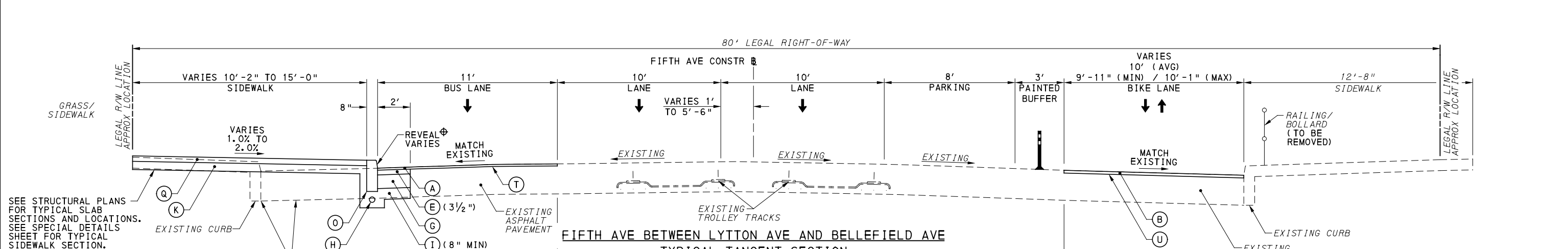
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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 TYPICAL SECTIONS
 FIFTH AVE / BIGELOW BLVD TO LYTTON AVE

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DWG. NO. CV16
SHT. 91



SEE INTERSECTION DETAIL SHEETS
 * VARIES 3'-0" TO 9'-0"
 STA 559+37.93 TO STA 559+45.59
 VARIES 9'-0" TO 3'-0"
 STA 560+60.00 TO STA 560+67.66

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BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
560+36.54	561+09.00	7	7
561+09.00	561+25.00	7	5
561+25.00	562+58.61	5	5
563+09.15	564+62.37	5	5

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
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NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



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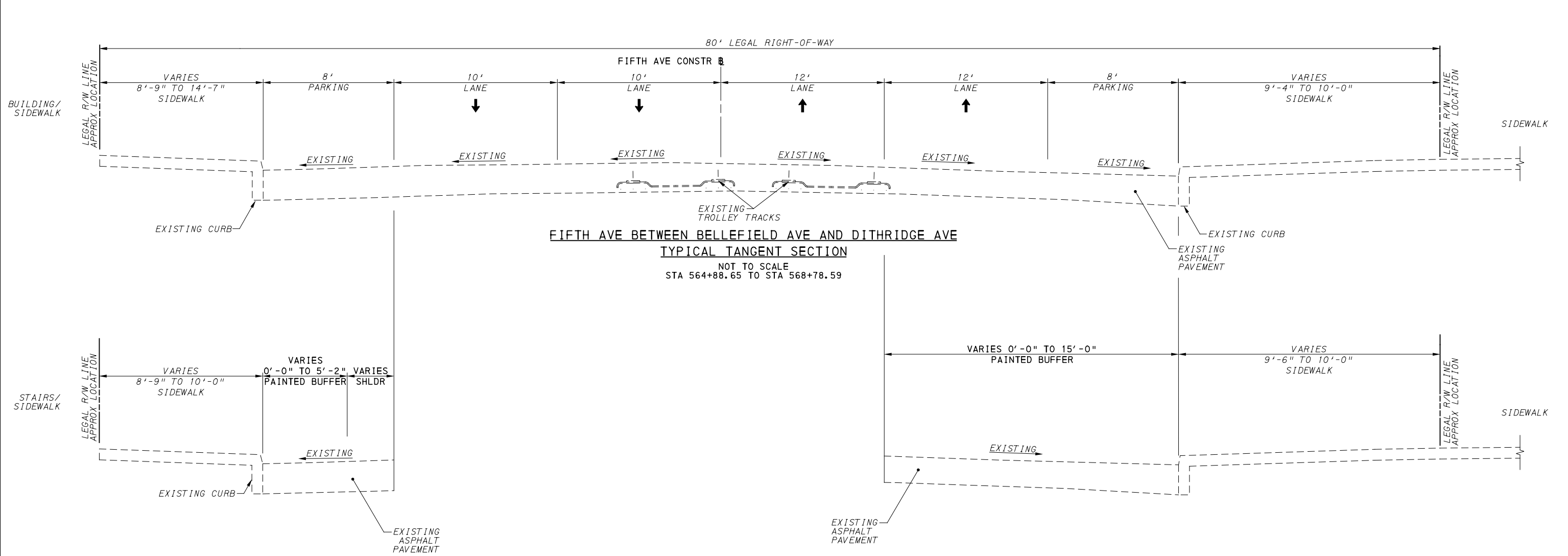
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 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 TYPICAL SECTIONS
 FIFTH AVE LYTTON AVE TO BELLEFIELD AVE

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CONTRACT NO. BRT-001
DWG. NO. CV17
SHT. 92



FIFTH AVE BETWEEN BELLEFIELD AVE AND DITHRIDGE AVE
TYPICAL TANGENT SECTION
 NOT TO SCALE
 STA 564+88.65 TO STA 568+78.59

PARTIAL TYPICAL SECTION
 NOT TO SCALE
 STA 565+43.60 TO STA 565+88.80

PARTIAL TYPICAL SECTION
 NOT TO SCALE
 STA 564+82.09 TO STA 565+63.56

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↑↑ DIRECTIONAL ARROWS



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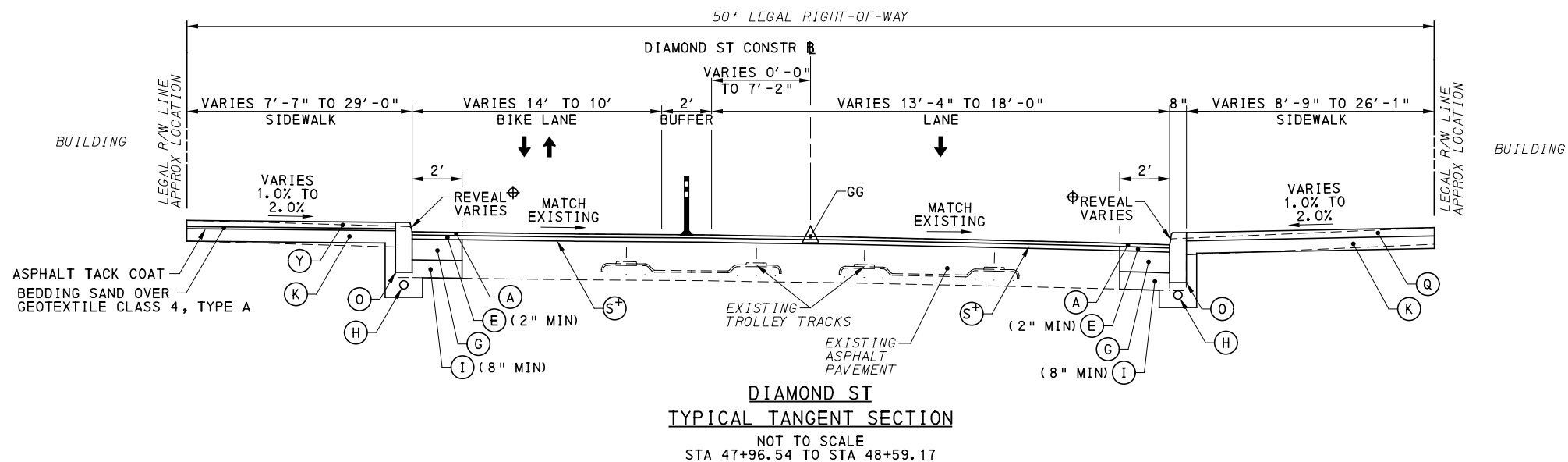
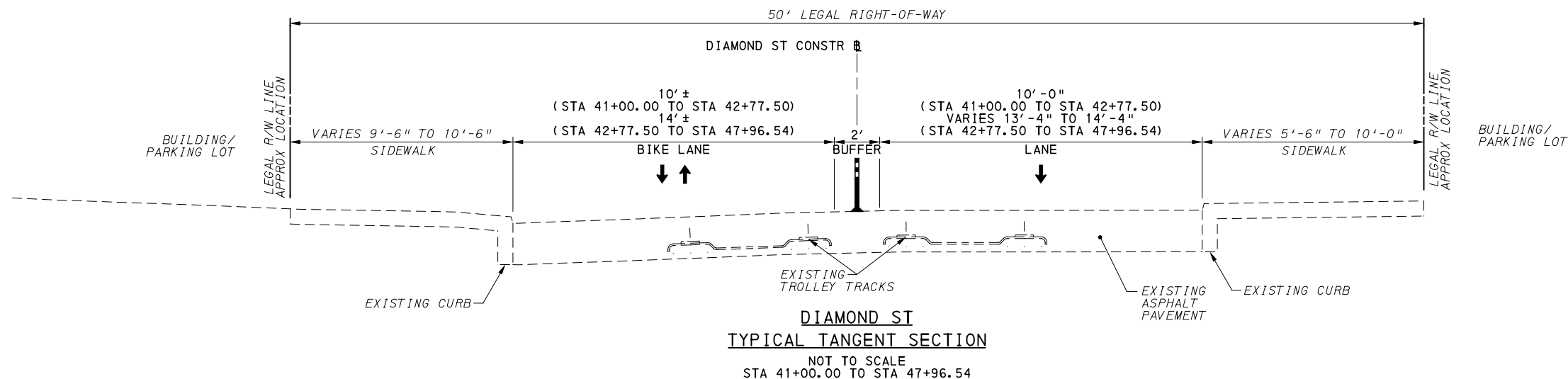
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 FIFTH AVE / BELLEFIELD TO DITHRIDGE AVE

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DWG. NO. CV18	SHT. 93



+ DEPTH OF MILLING BASED ON PROPOSED PAVEMENT DEPTHS NOT DEPTH TO SANDSTONE BLOCK LAYER. SANDSTONE BLOCK MAY NOT BE PRESENT IN THIS LOCATION.

⊕ SEE INTERSECTION DETAIL SHEETS

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- (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX
- (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
- (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH
- (H) 4" PAVEMENT BASE DRAIN
- (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A
- (J) SUBBASE 4" DEPTH (NO. 2A)
- (K) SUBBASE 6" DEPTH (NO. 2A)
- (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
- (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A
- (N) CONCRETE BUFFER
- (O) REINFORCED CEMENT CONCRETE CURB
- (P) GRANITE CURB
- (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH
- (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH
- (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER)
- (T) MILLING OF ASPHALT PAVEMENT SURFACE, 1/2" DEPTH
- (U) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH
- (V) MILLING OF ASPHALT PAVEMENT SURFACE, 3/2" DEPTH
- (W) REINFORCED CEMENT CONCRETE CURB, 36"
- (X) CURB CHEEK WALL
- (Y) REMOVE AND RESET INTERLOCKING PAVERS
- (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN
- (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE

↕↕ DIRECTIONAL ARROWS



Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

DESIGNED	SDS
DRAWN	SDS
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 TYPICAL SECTIONS
 DIAMOND ST

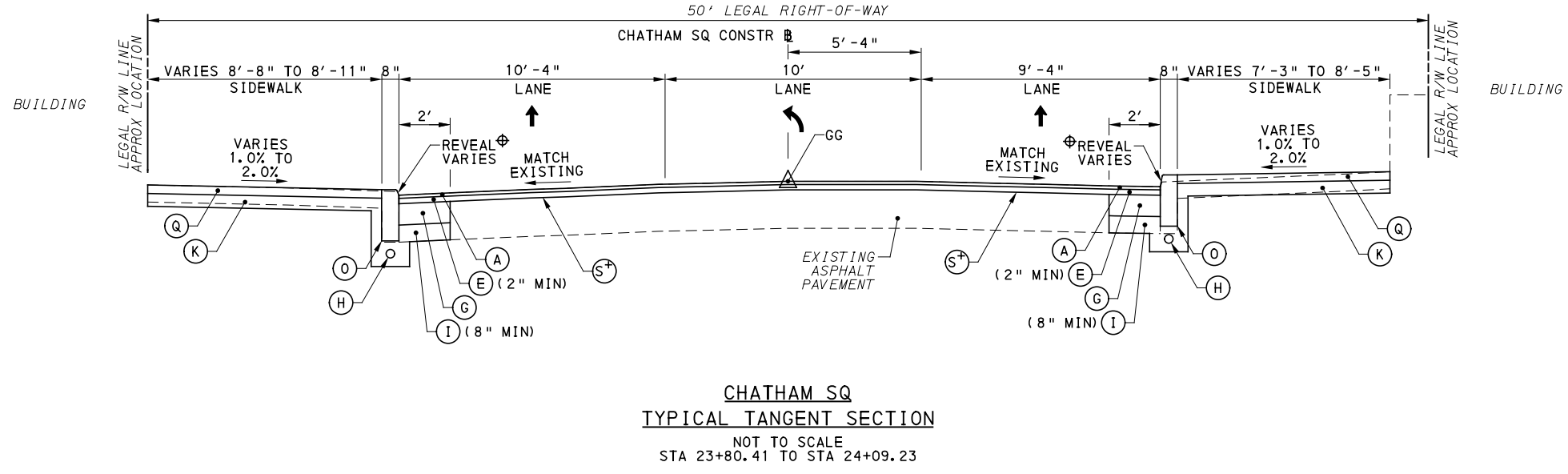
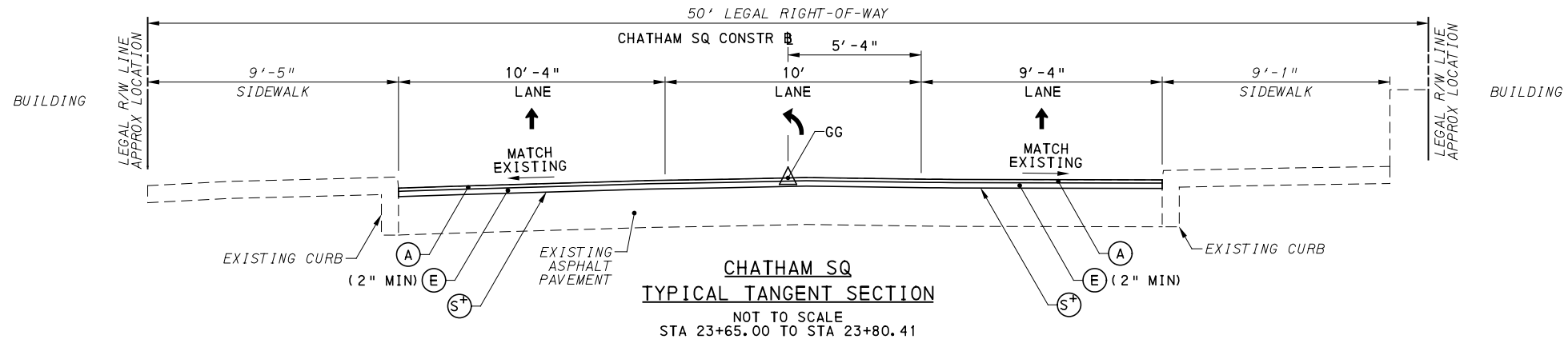


CONTRACT NO. BRT-001

DWG. NO. CV19 SHT. 94

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+ DEPTH OF MILLING BASED ON PROPOSED PAVEMENT DEPTHS NOT DEPTH TO SANDSTONE BLOCK LAYER. SANDSTONE BLOCK MAY NOT BE PRESENT IN THIS LOCATION.

⊕ SEE INTERSECTION DETAIL SHEETS

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
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- (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
- (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH
- (H) 4" PAVEMENT BASE DRAIN
- (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A
- (J) SUBBASE 4" DEPTH (NO. 2A)
- (K) SUBBASE 6" DEPTH (NO. 2A)
- (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
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- (W) REINFORCED CEMENT CONCRETE CURB, 36"
- (X) CURB CHEEK WALL
- (Y) REMOVE AND RESET INTERLOCKING PAVERS
- (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN
- (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE



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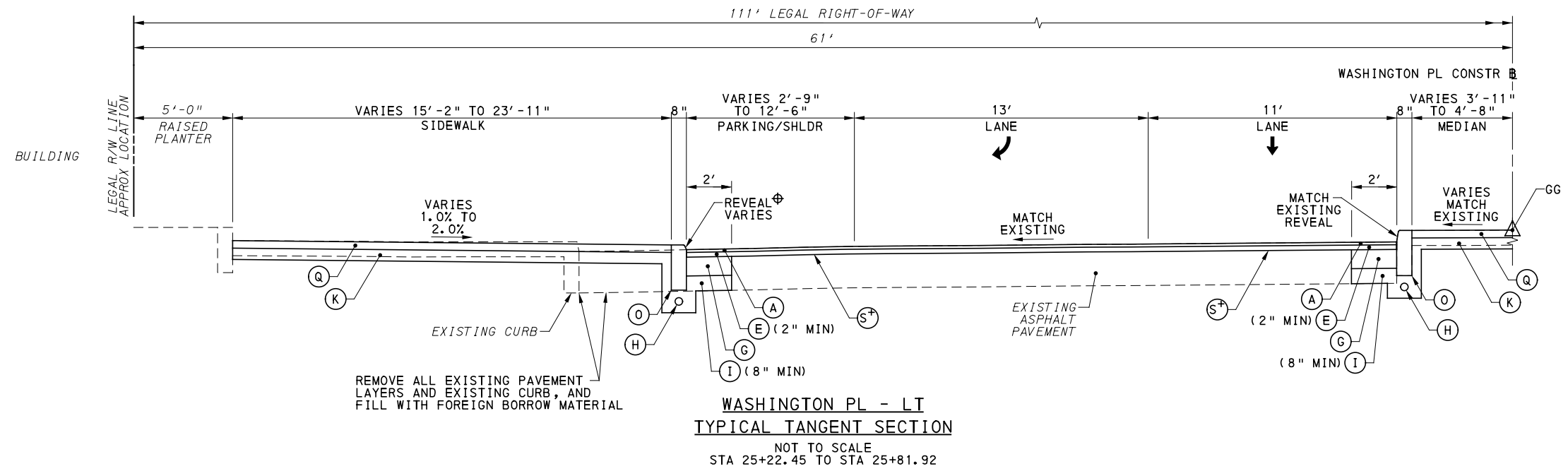
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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

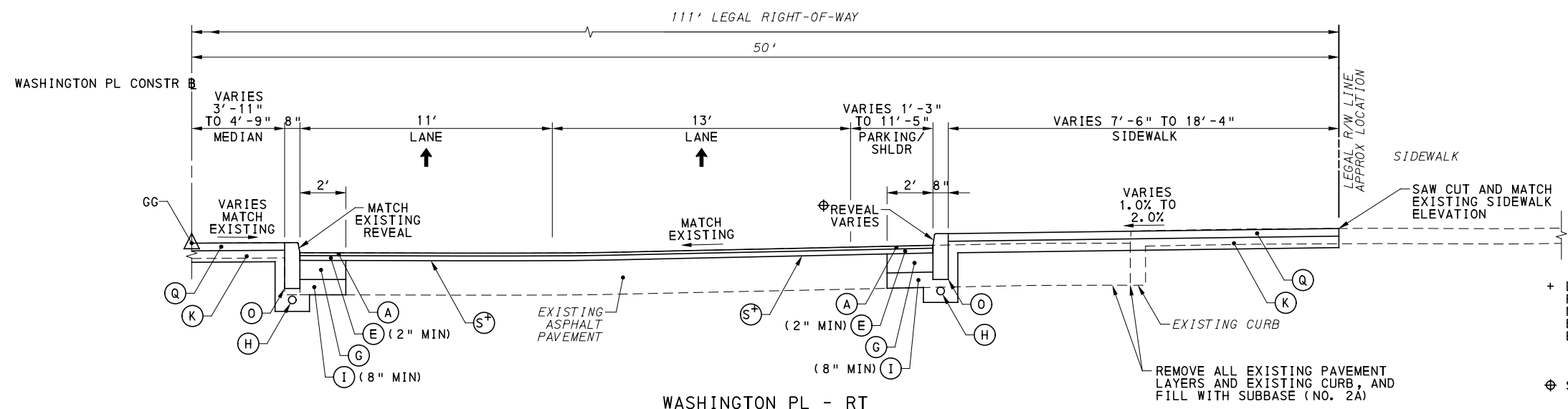
BUS RAPID TRANSIT UPTOWN TO OAKLAND
TYPICAL SECTIONS
CHATHAM SQ

Port Authority
connecting people to life™

CONTRACT NO. BRT-001	
DWG. NO. CV20	SHT. 95



WASHINGTON PL - LT
TYPICAL TANGENT SECTION
 NOT TO SCALE
 STA 25+22.45 TO STA 25+81.92



WASHINGTON PL - RT
TYPICAL TANGENT SECTION
 NOT TO SCALE
 STA 25+22.45 TO STA 25+81.92

+ DEPTH OF MILLING BASED ON PROPOSED PAVEMENT DEPTHS NOT DEPTH TO SANDSTONE BLOCK LAYER. SANDSTONE BLOCK MAY NOT BE PRESENT IN THIS LOCATION.

⊕ SEE INTERSECTION DETAIL SHEETS

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
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- (W) REINFORCED CEMENT CONCRETE CURB, 36"
- (X) CURB CHEEK WALL
- (Y) REMOVE AND RESET INTERLOCKING PAVERS
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- (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



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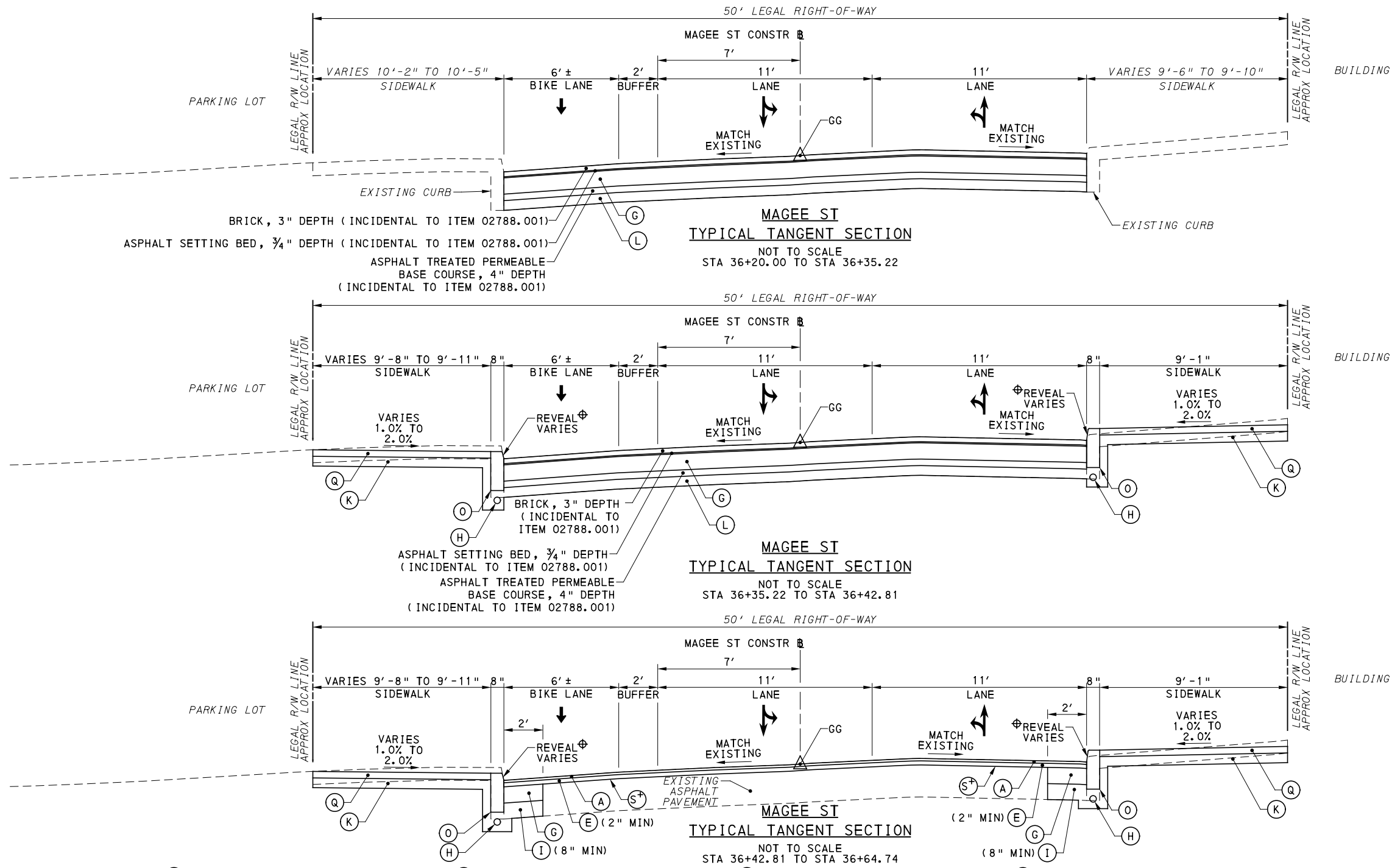
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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 TYPICAL SECTIONS
 WASHINGTON PL

Port Authority connecting people to life

CONTRACT NO. BRT-001
 DWG. NO. CV21 SHT. 96



+ DEPTH OF MILLING BASED ON PROPOSED PAVEMENT DEPTHS NOT DEPTH TO SANDSTONE BLOCK LAYER. SANDSTONE BLOCK MAY NOT BE PRESENT IN THIS LOCATION.
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NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



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 Pittsburgh, PA 15219

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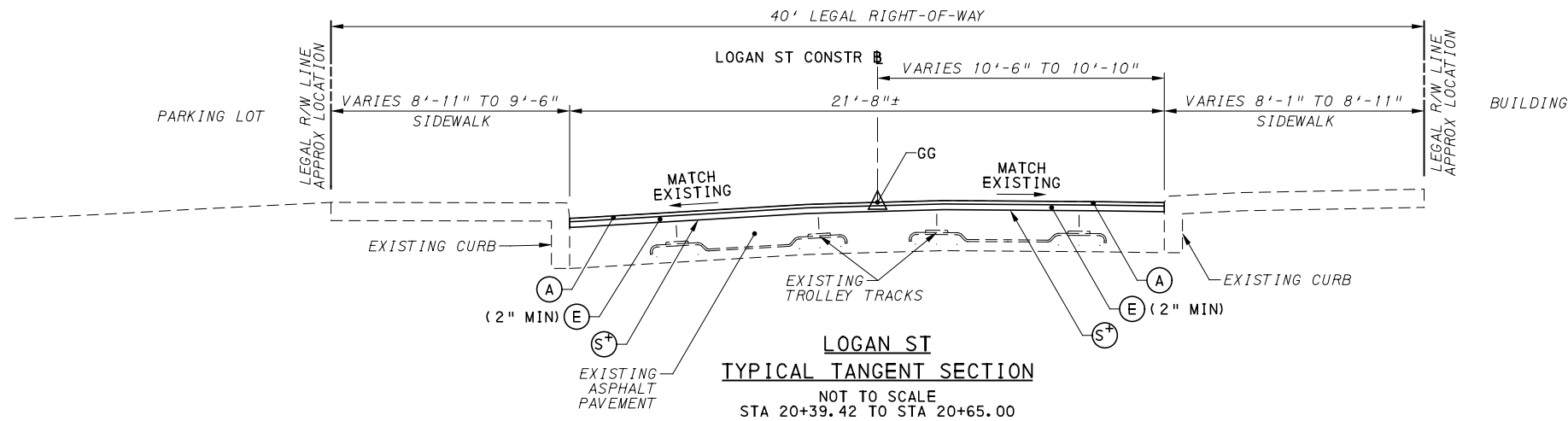
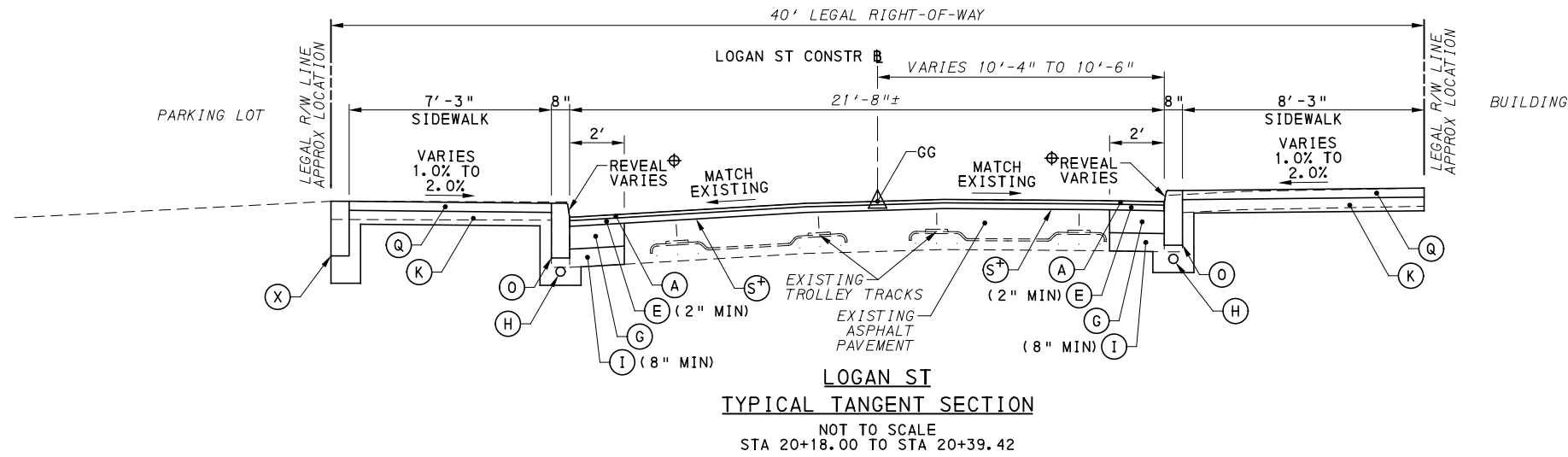
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 TYPICAL SECTIONS
 MAGEE ST

Port Authority
 connecting people to life™

CONTRACT NO. BRT-001

DWG. NO.	CV22	SHT.	97
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+ DEPTH OF MILLING BASED ON PROPOSED PAVEMENT DEPTHS NOT DEPTH TO SANDSTONE BLOCK LAYER. SANDSTONE BLOCK MAY NOT BE PRESENT IN THIS LOCATION.

⊕ SEE INTERSECTION DETAIL SHEETS

NOTE: EXISTING TROLLEY TRACKS SHOWN FOR INFORMATION ONLY. THE EXACT LOCATION, LIMITS, AND TYPE OF TRACK IS UNKNOWN. TROLLEY TRACKS MAY HAVE BEEN REMOVED.

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY

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↑↑ DIRECTIONAL ARROWS



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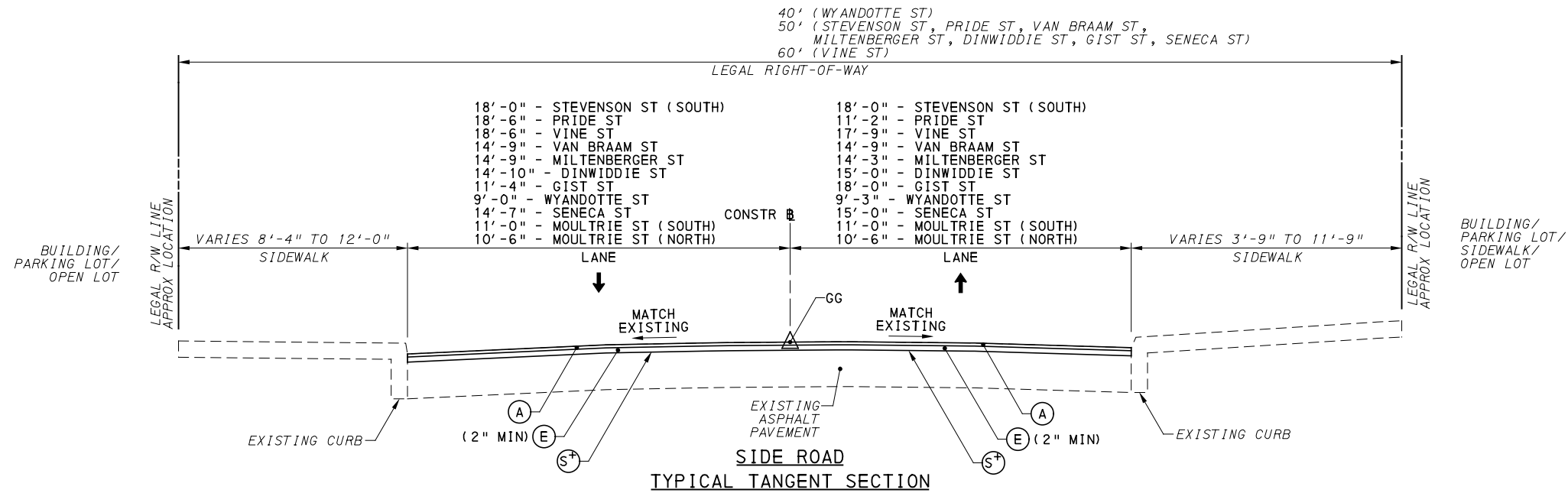
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND TYPICAL SECTIONS LOGAN ST	
CONTRACT NO. BRT-001	
Port Authority <small>connecting people to life</small>	DWG. NO. CV23 SHT. 98



NOT TO SCALE

STA 17+17.00 TO STA 17+19.31	- STEVENSON ST (SOUTH)
STA 29+45.00 TO STA 29+60.80	- PRIDE ST
STA 30+38.80 TO STA 30+50.00	- VINE ST
STA 22+80.00 TO STA 22+93.74	- VAN BRAAM ST
STA 15+45.00 TO STA 15+61.09	- MILTENBERGER ST
STA 20+39.55 TO STA 20+55.00	- DINWIDDIE ST
STA 22+75.00 TO STA 22+87.64	- GIST ST
STA 30+80.62 TO STA 31+00.00	- WYANDOTTE ST
STA 17+65.00 TO STA 17+81.35	- SENECA ST
STA 55+45.00 TO STA 55+61.09	- MOULTRIE ST (SOUTH)
STA 30+40.00 TO STA 30+55.00	- MOULTRIE ST (NORTH)

+ DEPTH OF MILLING BASED ON PROPOSED PAVEMENT DEPTHS NOT DEPTH TO SANDSTONE BLOCK LAYER. SANDSTONE BLOCK MAY NOT BE PRESENT IN THIS LOCATION.

⊕ SEE INTERSECTION DETAIL SHEETS

LEGEND

- | | | | | |
|---|---|---|---|---|
| (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H | (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX | (J) SUBBASE 4" DEPTH (NO. 2A) | (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH | (W) REINFORCED CEMENT CONCRETE CURB, 36" |
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| | (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A | (N) CONCRETE BUFFER | (U) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH | (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE |
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| | | (P) GRANITE CURB | | |

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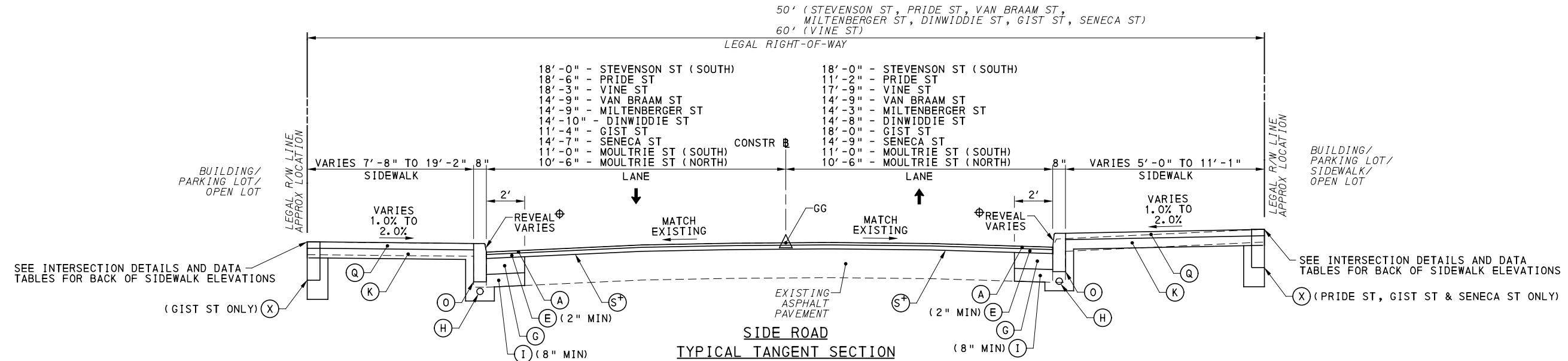
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND TYPICAL SECTIONS SIDE ROAD	
CONTRACT NO. BRT-001	
Port Authority <small>connecting people to life</small>	DWG. NO. CV24 SHT. 99



NOT TO SCALE

STA 17+19.31 TO STA 18+06.52	- STEVENSON ST (SOUTH)
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STA 30+18.00 TO STA 30+38.80	- VINE ST
STA 22+93.74 TO STA 23+18.93	- VAN BRAAM ST
STA 15+61.09 TO STA 15+87.36	- MILTENBERGER ST
STA 20+18.00 TO STA 20+39.55	- DINWIDDIE ST
STA 22+87.64 TO STA 23+19.14	- GIST ST
STA 17+81.35 TO STA 18+19.87	- SENECA ST
STA 55+61.09 TO STA 55+98.95	- MOULTRIE ST (SOUTH)
STA 30+20.01 TO STA 30+40.00	- MOULTRIE ST (NORTH)

+ DEPTH OF MILLING BASED ON PROPOSED PAVEMENT DEPTHS NOT DEPTH TO SANDSTONE BLOCK LAYER. SANDSTONE BLOCK MAY NOT BE PRESENT IN THIS LOCATION.

⊕ SEE INTERSECTION DETAIL SHEETS

LEGEND

- | | | | | |
|---|---|---|---|---|
| (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H | (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX | (J) SUBBASE 4" DEPTH (NO. 2A) | (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH | (W) REINFORCED CEMENT CONCRETE CURB, 36" |
| (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H | (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH | (K) SUBBASE 6" DEPTH (NO. 2A) | (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH | (X) CURB CHEEK WALL |
| (C) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64S-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH | (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH | (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A | (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER) | (Y) REMOVE AND RESET INTERLOCKING PAVERS |
| (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH | (H) 4" PAVEMENT BASE DRAIN | (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A | (T) MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH | (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN |
| | (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A | (N) CONCRETE BUFFER | (U) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH | (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE |
| | | (O) REINFORCED CEMENT CONCRETE CURB | (V) MILLING OF ASPHALT PAVEMENT SURFACE, 3 1/2" DEPTH | |
| | | (P) GRANITE CURB | | |

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



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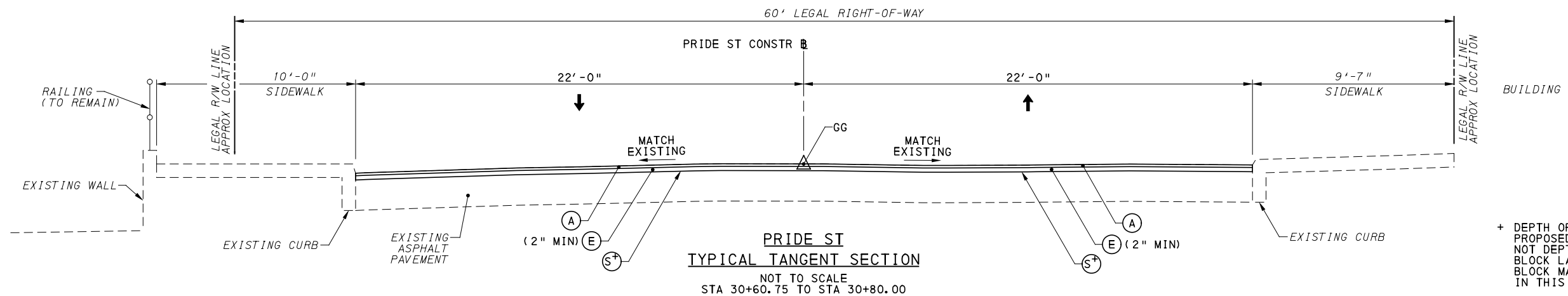
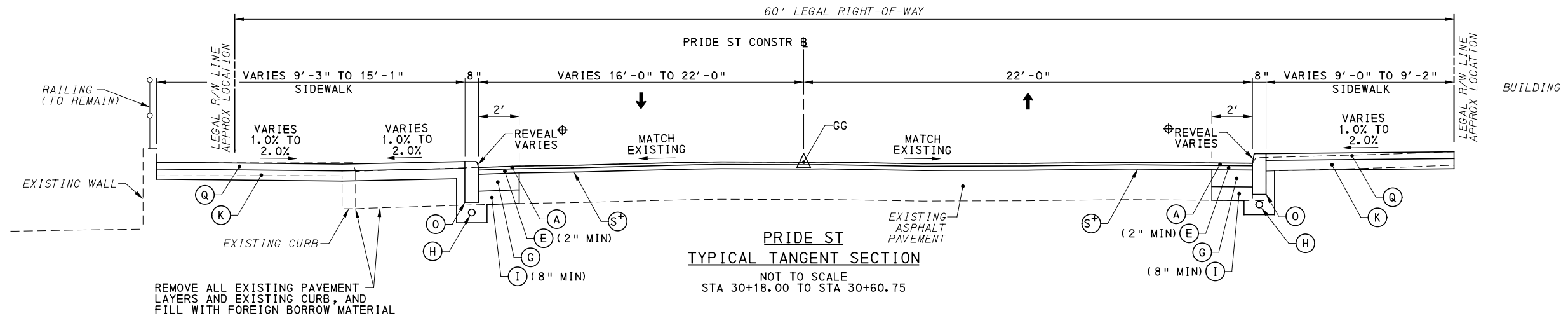
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DESIGNED	SDS
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
TYPICAL SECTIONS
SIDE ROAD

	CONTRACT NO. BRT-001	
	DWG. NO. CV25	SHT. 100



REMOVE ALL EXISTING PAVEMENT LAYERS AND EXISTING CURB, AND FILL WITH FOREIGN BORROW MATERIAL

+ DEPTH OF MILLING BASED ON PROPOSED PAVEMENT DEPTHS NOT DEPTH TO SANDSTONE BLOCK LAYER. SANDSTONE BLOCK MAY NOT BE PRESENT IN THIS LOCATION.

⊕ SEE INTERSECTION DETAIL SHEETS

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
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- (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH
- (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX
- (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
- (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH
- (H) 4" PAVEMENT BASE DRAIN
- (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A
- (J) SUBBASE 4" DEPTH (NO. 2A)
- (K) SUBBASE 6" DEPTH (NO. 2A)
- (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
- (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A
- (N) CONCRETE BUFFER
- (O) REINFORCED CEMENT CONCRETE CURB
- (P) GRANITE CURB
- (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH
- (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH
- (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER)
- (T) MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH
- (U) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH
- (V) MILLING OF ASPHALT PAVEMENT SURFACE, 3 1/2" DEPTH
- (W) REINFORCED CEMENT CONCRETE CURB, 36"
- (X) CURB CHEEK WALL
- (Y) REMOVE AND RESET INTERLOCKING PAVERS
- (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN
- (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



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5th Floor
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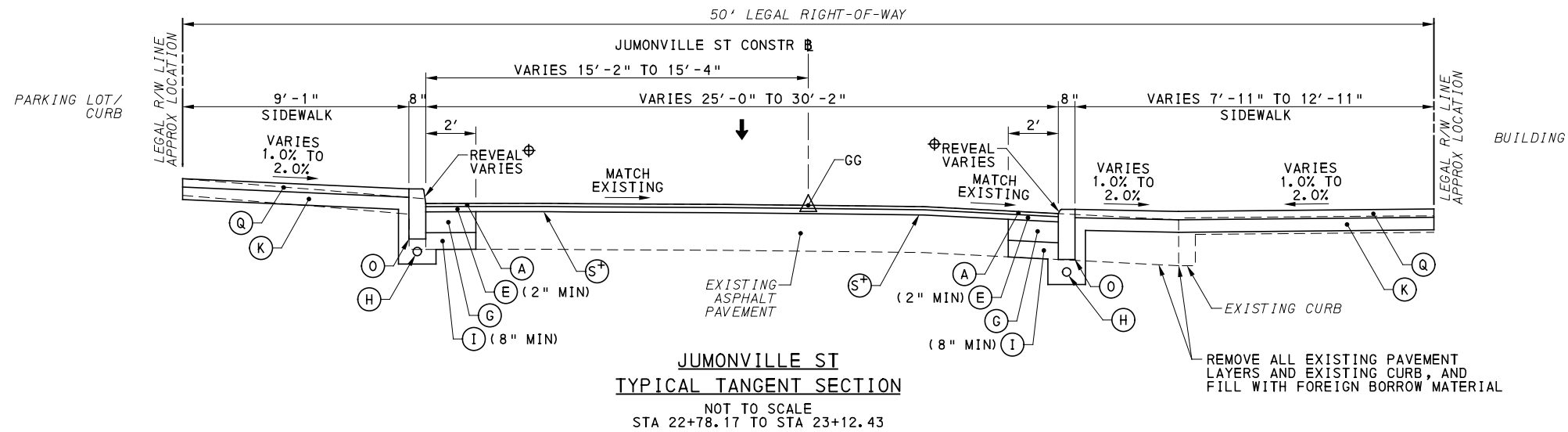
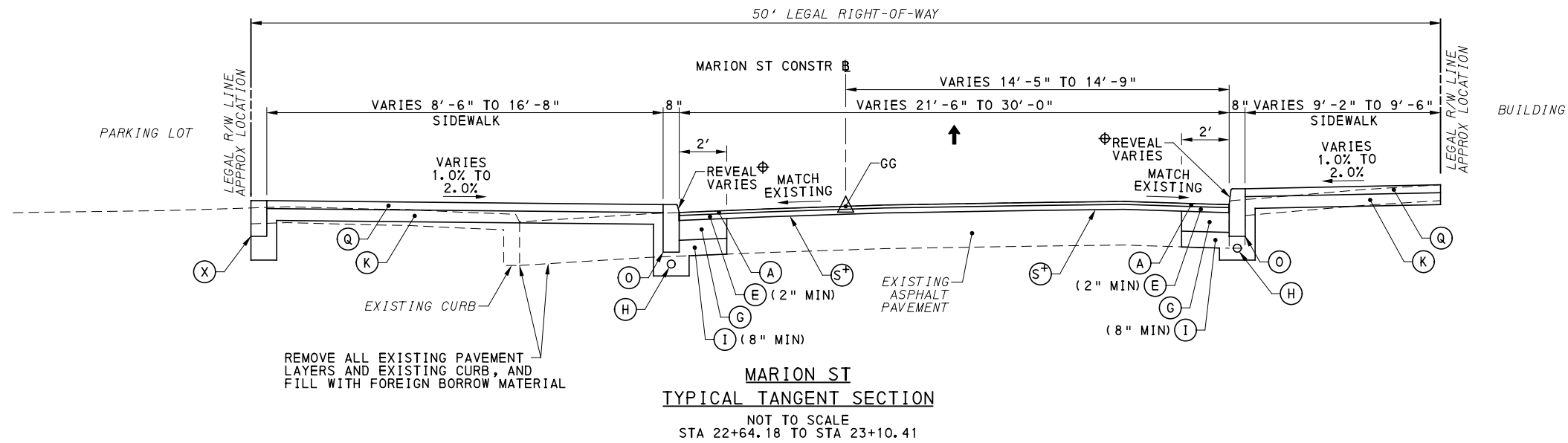
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DRAWN	SDS
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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
TYPICAL SECTIONS
PRIDE ST

Port Authority connecting people to life

CONTRACT NO. BRT-001
DWG. NO. CV26 SHT. 101



+ DEPTH OF MILLING BASED ON PROPOSED PAVEMENT DEPTHS NOT DEPTH TO SANDSTONE BLOCK LAYER. SANDSTONE BLOCK MAY NOT BE PRESENT IN THIS LOCATION.

⊕ SEE INTERSECTION DETAIL SHEETS

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
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- (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH
- (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX
- (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
- (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH
- (H) 4" PAVEMENT BASE DRAIN
- (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A
- (J) SUBBASE 4" DEPTH (NO. 2A)
- (K) SUBBASE 6" DEPTH (NO. 2A)
- (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
- (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A
- (N) CONCRETE BUFFER
- (O) REINFORCED CEMENT CONCRETE CURB
- (P) GRANITE CURB
- (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH
- (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH
- (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER)
- (T) MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH
- (U) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH
- (V) MILLING OF ASPHALT PAVEMENT SURFACE, 3 1/2" DEPTH
- (W) REINFORCED CEMENT CONCRETE CURB, 36"
- (X) CURB CHEEK WALL
- (Y) REMOVE AND RESET INTERLOCKING PAVERS
- (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN
- (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



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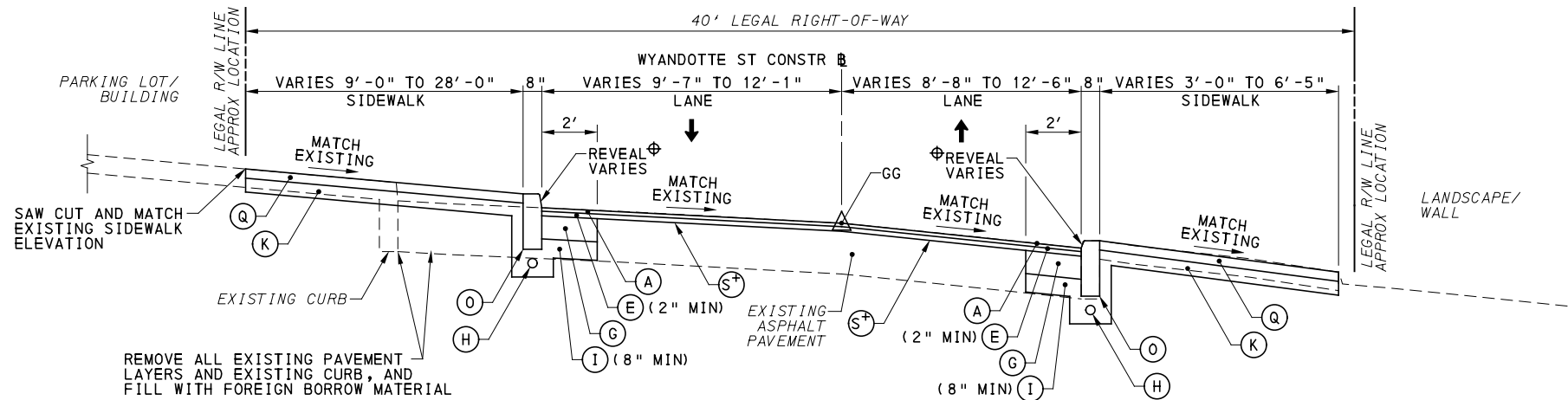
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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND
TYPICAL SECTIONS
MARION ST AND JUMONVILLE ST

Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. CV27	SHT. 102



**WYANDOTTE ST
TYPICAL TANGENT SECTION**

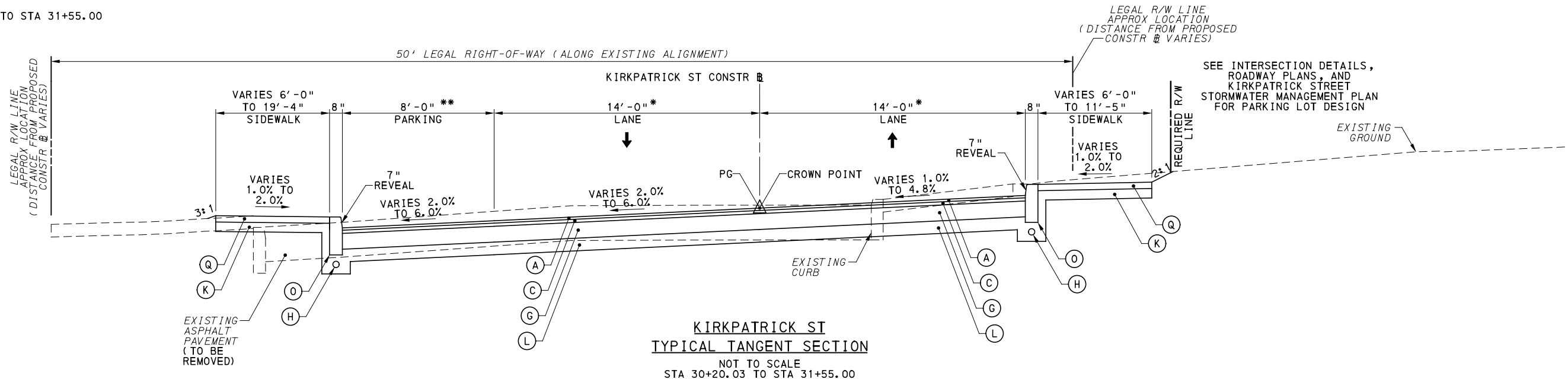
NOT TO SCALE
STA 30+09.17 TO STA 30+80.62

⊕ SEE INTERSECTION DETAIL SHEETS

* VARIES 14'-0" TO 15'-4" LANE
STA 31+33.87 TO STA 31+55.00, RT

** 0'-0"
STA 30+20.03 TO STA 30+60.00
VARIES 0'-0" TO 8'-0"
STA 30+60.00 TO STA 30+71.41
VARIES 8'-0" TO 0'-0"
STA 31+18.14 TO STA 31+33.14
0'-0"
STA 31+33.14 TO STA 31+55.00

+ DEPTH OF MILLING BASED ON PROPOSED PAVEMENT DEPTHS NOT DEPTH TO SANDSTONE BLOCK LAYER. SANDSTONE BLOCK MAY NOT BE PRESENT IN THIS LOCATION.



**KIRKPATRICK ST
TYPICAL TANGENT SECTION**

NOT TO SCALE
STA 30+20.03 TO STA 31+55.00

SEE INTERSECTION DETAILS, ROADWAY PLANS, AND KIRKPATRICK STREET STORMWATER MANAGEMENT PLAN FOR PARKING LOT DESIGN

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
- (C) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH
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- (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
- (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH
- (H) 4" PAVEMENT BASE DRAIN
- (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A
- (J) SUBBASE 4" DEPTH (NO. 2A)
- (K) SUBBASE 6" DEPTH (NO. 2A)
- (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
- (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A
- (N) CONCRETE BUFFER
- (O) REINFORCED CEMENT CONCRETE CURB
- (P) GRANITE CURB
- (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH
- (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH
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- (X) CURB CHEEK WALL
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- (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN
- (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



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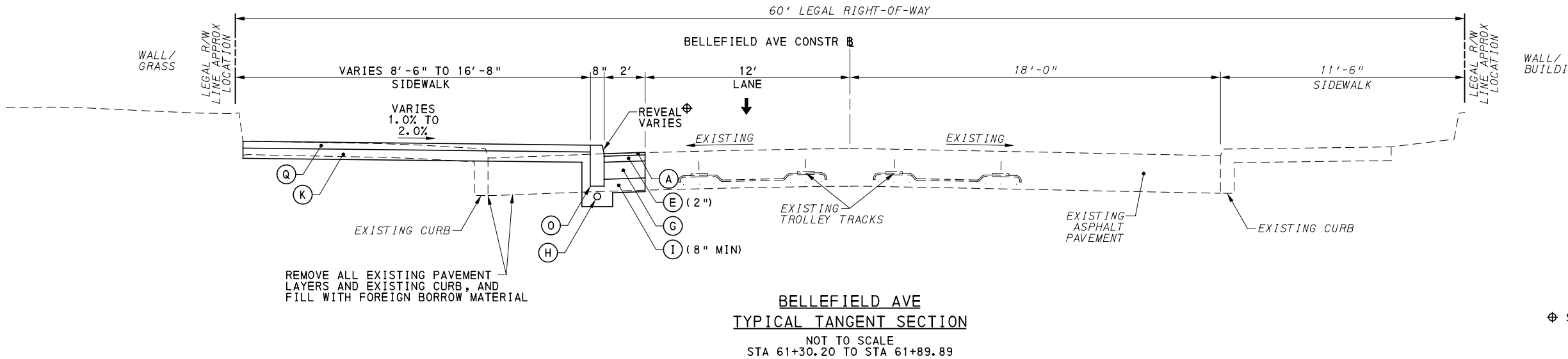
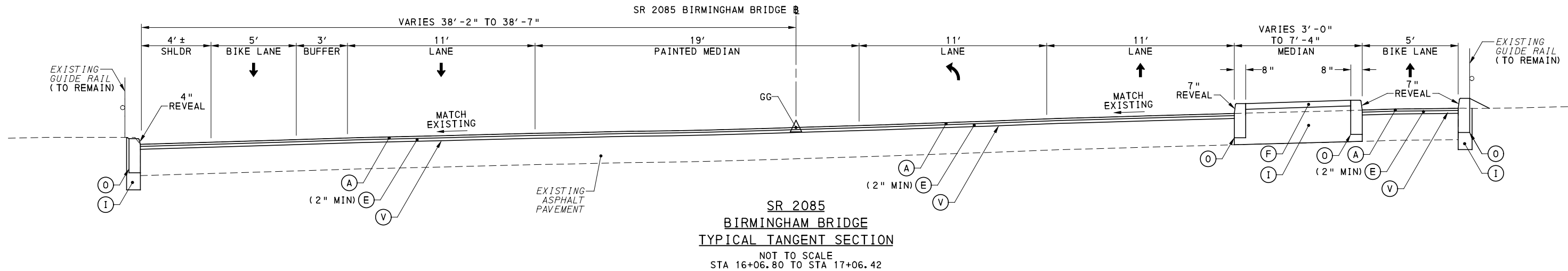
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND TYPICAL SECTIONS	
WYANDOTTE ST AND KIRKPATRICK ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. CV28 SHT. 103



⊕ SEE INTERSECTION DETAIL SHEETS

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
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NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



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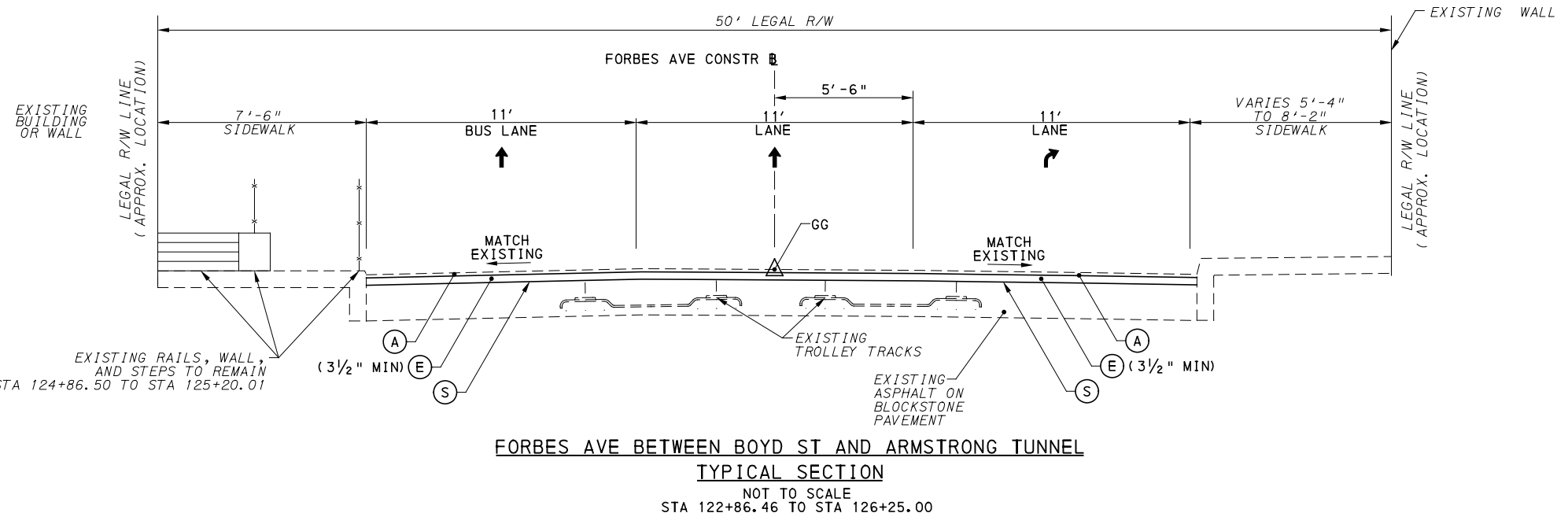
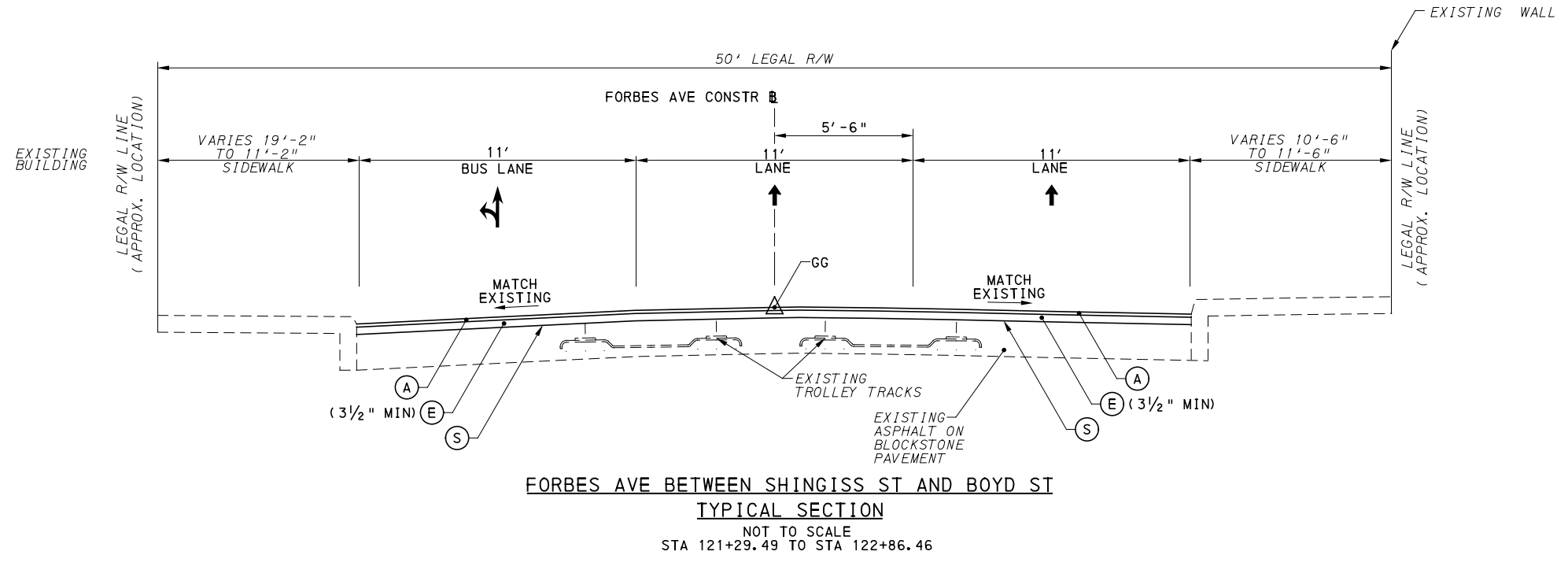
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SR 2085 BIRMINGHAM BRIDGE AND BELLEFIELD AVE	
Port Authority connecting people to life™	
CONTRACT NO. BRT-001	
DWG. NO.	CV29
SHT.	104

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NOTE: EXISTING TROLLEY TRACKS SHOWN FOR INFORMATION ONLY. THE EXACT LOCATION, LIMITS, AND TYPE OF TRACK IS UNKNOWN. TROLLEY TRACKS MAY HAVE BEEN REMOVED.

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY

LEGEND

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- (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN
- (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE



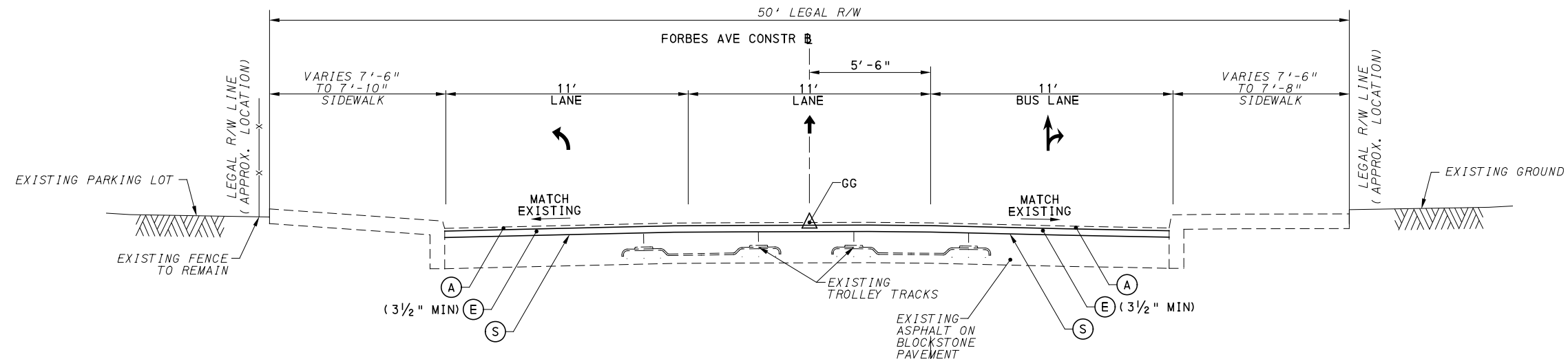
NO.	DATE	DESCRIPTION
REVISIONS		

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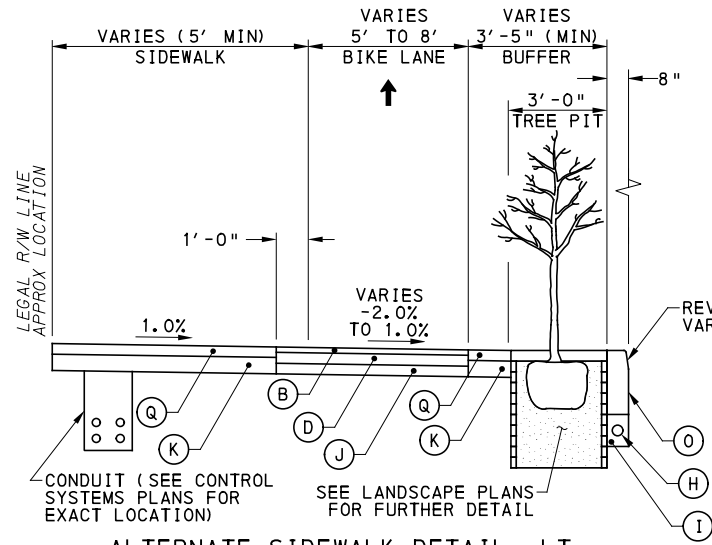
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CHECKED	KCF
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND TYPICAL SECTIONS FORBES AVE		
Port Authority connecting people to life™		CONTRACT NO. BRT-001
DWG. NO.	CV30	SHT. 105

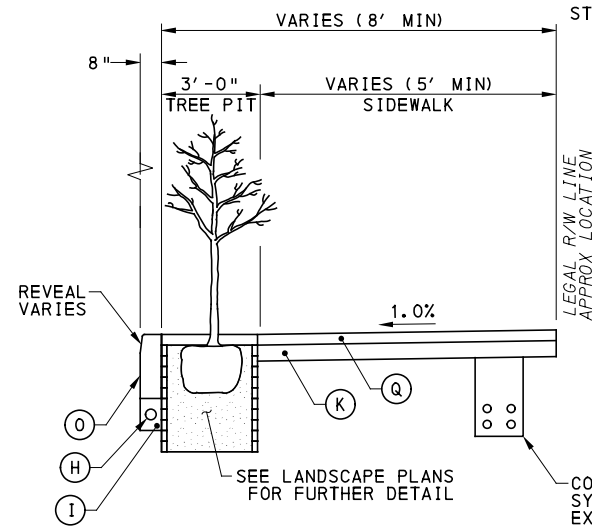


FORBES AVE BETWEEN ARMSTRONG TUNNEL AND CHATHAM SQ/McANULTY DR
 TYPICAL SECTION
 NOT TO SCALE
 STA 126+25.00 TO STA 129+23.18



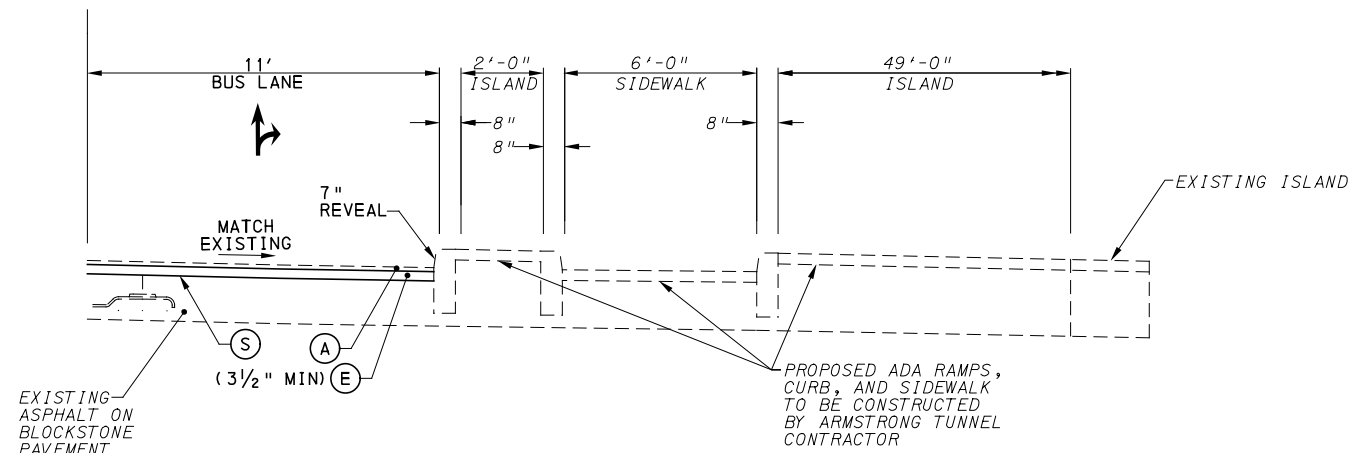
ALTERNATE SIDEWALK DETAIL, LT

NOT TO SCALE
 SEE PLANS FOR LOCATIONS



ALTERNATE SIDEWALK DETAIL, RT

NOT TO SCALE
 SEE PLANS FOR LOCATIONS



FORBES AVE AT ARMSTRONG TUNNEL
 PARTIAL TYPICAL SECTION
 NOT TO SCALE
 STA 126+25.00 TO STA 126+65.02

NOTE: EXISTING TROLLEY TRACKS SHOWN FOR INFORMATION ONLY. THE EXACT LOCATION, LIMITS, AND TYPE OF TRACK IS UNKNOWN. TROLLEY TRACKS MAY HAVE BEEN REMOVED.

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
- (C) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH
- (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH
- (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX
- (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
- (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH
- (H) 4" PAVEMENT BASE DRAIN
- (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A
- (J) SUBBASE 4" DEPTH (NO. 2A)
- (K) SUBBASE 6" DEPTH (NO. 2A)
- (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
- (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A
- (N) CONCRETE BUFFER
- (O) REINFORCED CEMENT CONCRETE CURB
- (P) GRANITE CURB
- (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH
- (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH
- (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER)
- (T) MILLING OF ASPHALT PAVEMENT SURFACE, 1/2" DEPTH
- (U) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH
- (V) MILLING OF ASPHALT PAVEMENT SURFACE, 3/2" DEPTH
- (W) REINFORCED CEMENT CONCRETE CURB, 36"
- (X) CURB CHEEK WALL
- (Y) REMOVE AND RESET INTERLOCKING PAVERS
- (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN
- (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219



GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

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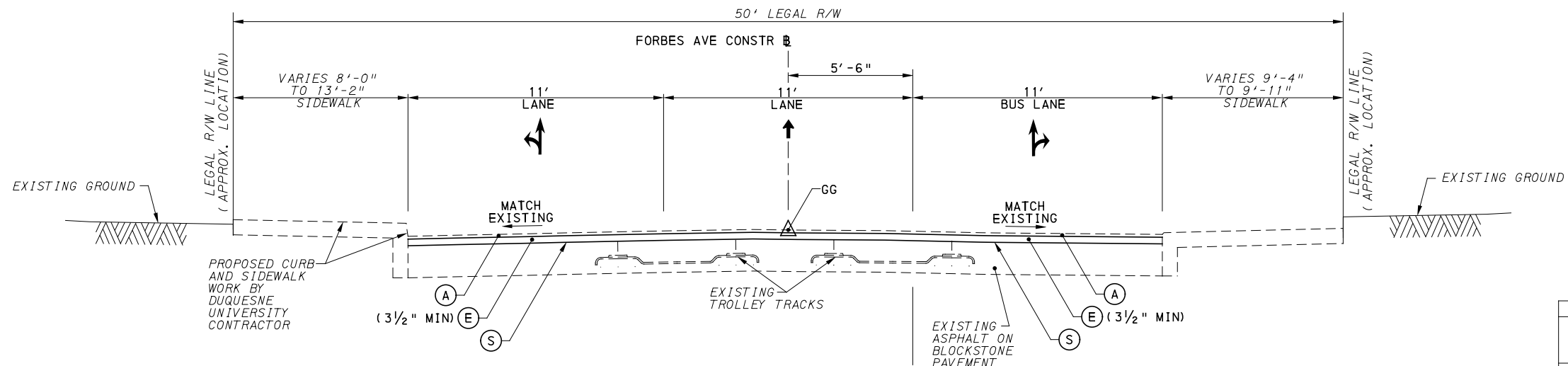
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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

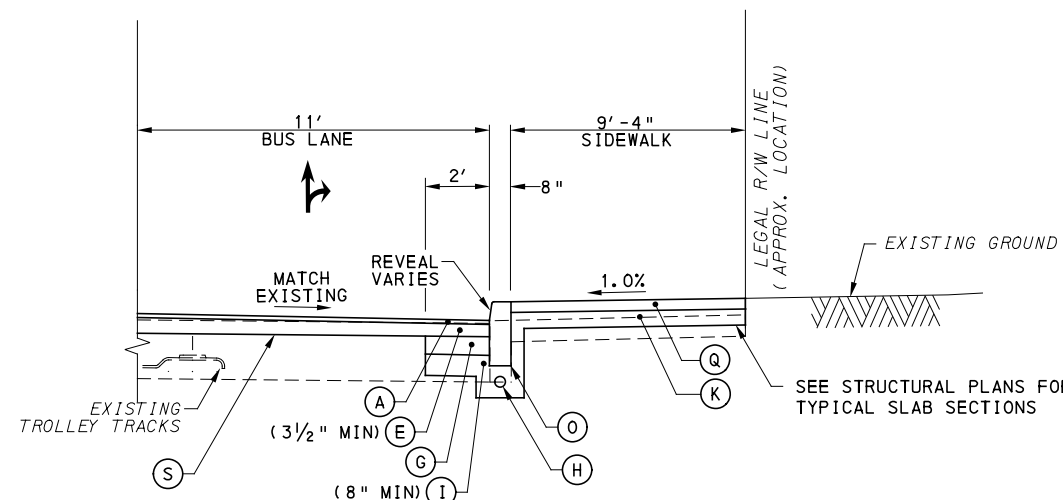
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 TYPICAL SECTIONS
 FORBES AVE

	CONTRACT NO. BRT-001	
	DWG. NO. CV31	SHT. 106



FORBES AVE BETWEEN CHATHAM SQ/McANULTY DR AND MAGEE ST
TYPICAL SECTION
 NOT TO SCALE
 STA 129+23.18 TO STA 136+70.38

CURB HEIGHT TABLE - RT			
BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
129+23.18	130+50.00	4	4
131+25.57	133+63.48	4	4



FORBES AVE BETWEEN CHATHAM SQ/McANULTY DR AND MAGEE ST
PARTIAL TYPICAL TANGENT SECTION
 NOT TO SCALE
 STA 129+23.18 TO STA 130+50.00
 STA 131+25.57 TO STA 133+63.48

NOTE: EXISTING TROLLEY TRACKS SHOWN FOR INFORMATION ONLY. THE EXACT LOCATION, LIMITS, AND TYPE OF TRACK IS UNKNOWN. TROLLEY TRACKS MAY HAVE BEEN REMOVED.

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
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- (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX
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- (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH
- (H) 4" PAVEMENT BASE DRAIN
- (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A
- (J) SUBBASE 4" DEPTH (NO. 2A)
- (K) SUBBASE 6" DEPTH (NO. 2A)
- (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
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- (N) CONCRETE BUFFER
- (O) REINFORCED CEMENT CONCRETE CURB
- (P) GRANITE CURB
- (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH
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- (W) REINFORCED CEMENT CONCRETE CURB, 36"
- (X) CURB CHEEK WALL
- (Y) REMOVE AND RESET INTERLOCKING PAVERS
- (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN
- (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE

↑↑ DIRECTIONAL ARROWS

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



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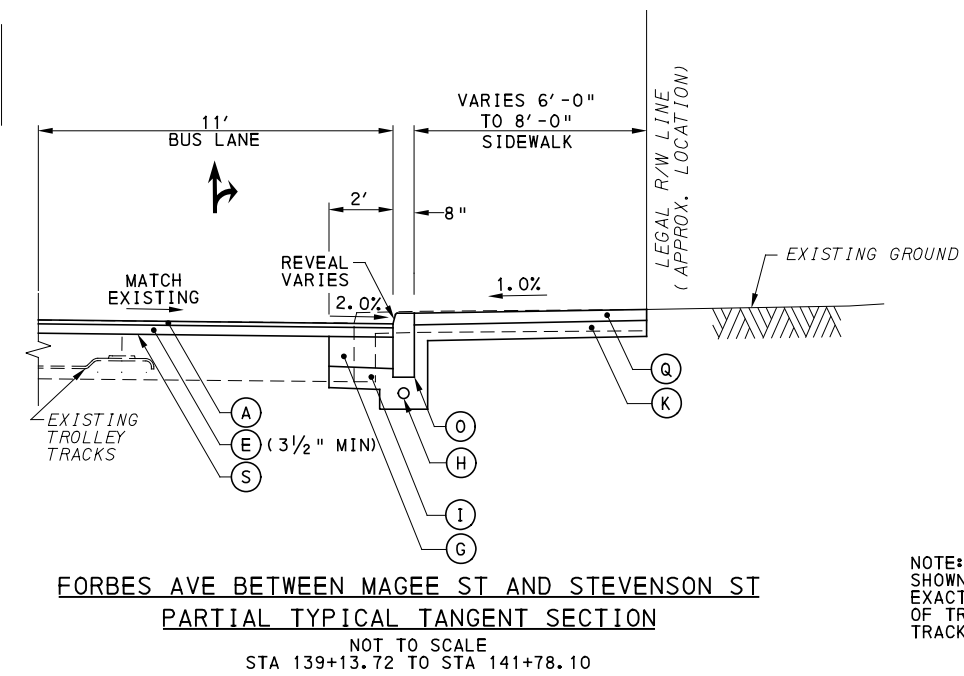
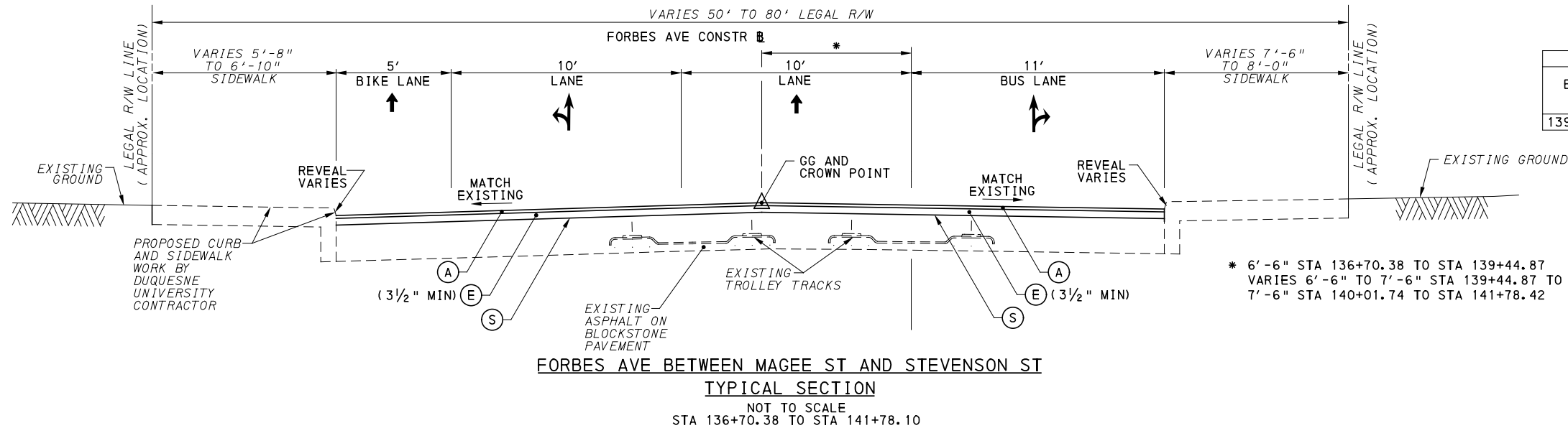
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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND TYPICAL SECTIONS FORBES AVE	
Port Authority connecting people to life™	
CONTRACT NO. BRT-001	
DWG. NO.	CV32
SHT.	107

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
136+70.38	141+78.10	4	4

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
139+13+73	141+78.10	4	4



LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
- (C) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH
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- (↑↑) DIRECTIONAL ARROWS

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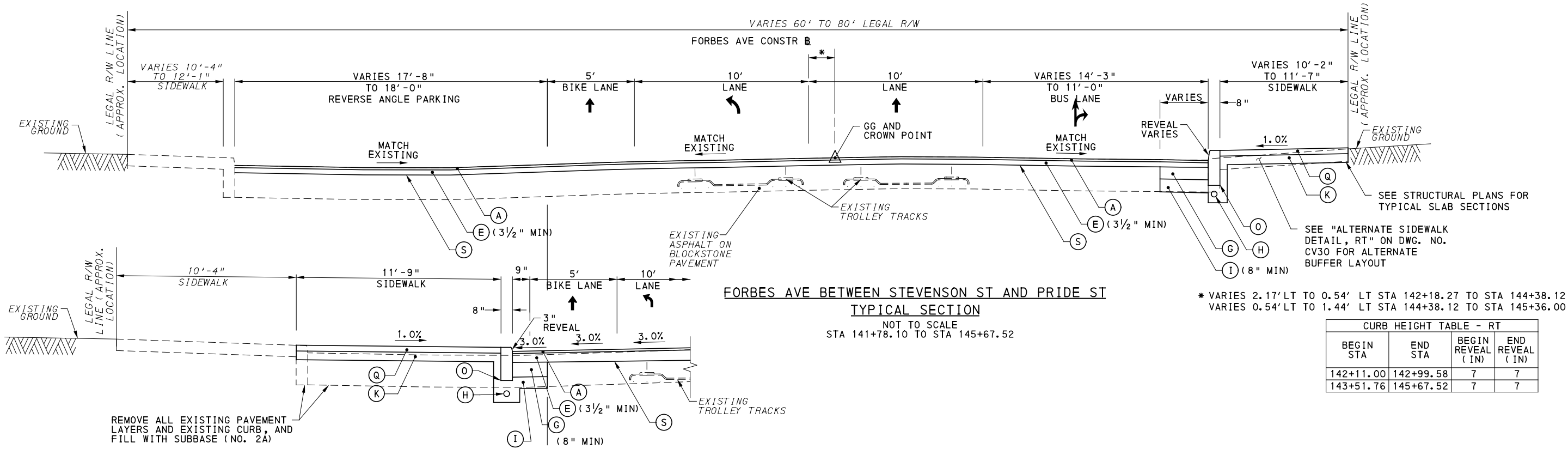
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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH, PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 TYPICAL SECTIONS
 FORBES AVE

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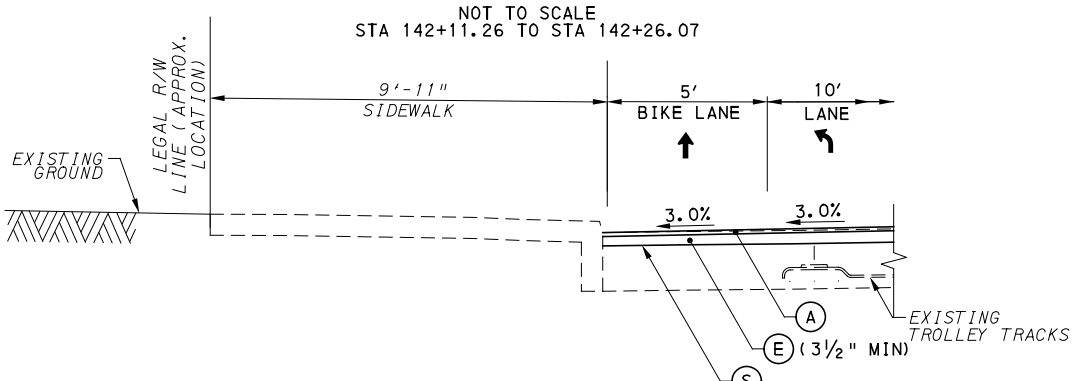
CONTRACT NO. BRT-001	
DWG. NO. CV33	SHT. 108



* VARIES 2.17' LT TO 0.54' LT STA 142+18.27 TO STA 144+38.12
 VARIES 0.54' LT TO 1.44' LT STA 144+38.12 TO STA 145+36.00

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
142+11.00	142+99.58	7	7
143+51.76	145+67.52	7	7

**FORBES AVE BETWEEN STEVENSON ST AND PRIDE ST
 PARTIAL TYPICAL TANGENT SECTION**



**FORBES AVE BETWEEN STEVENSON ST AND PRIDE ST
 PARTIAL TYPICAL TANGENT SECTION**

NOT TO SCALE
 STA 144+33.52 TO STA 145+42.88

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
142+26.07	142+75.13	4	4

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
- (C) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH
- (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH
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- (H) 4" PAVEMENT BASE DRAIN
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- (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER)
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- (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN
- (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE
- (↑↑) DIRECTIONAL ARROWS

NOTE: EXISTING TROLLEY TRACKS SHOWN FOR INFORMATION ONLY. THE EXACT LOCATION, LIMITS, AND TYPE OF TRACK IS UNKNOWN. TROLLEY TRACKS MAY HAVE BEEN REMOVED.

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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH, PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 TYPICAL SECTIONS
 FORBES AVE

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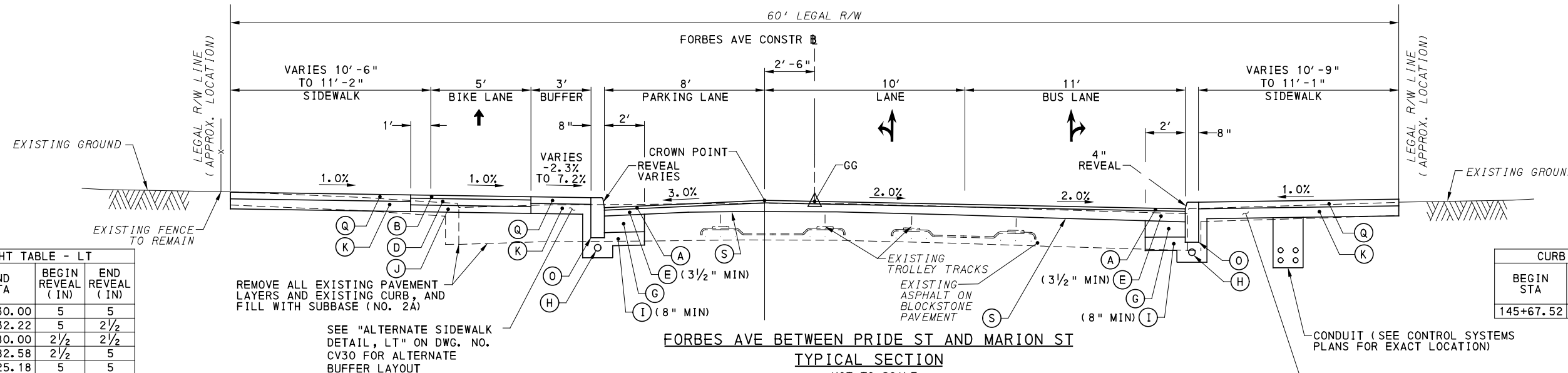
CONTRACT NO. BRT-001
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CURB HEIGHT TABLE - LT

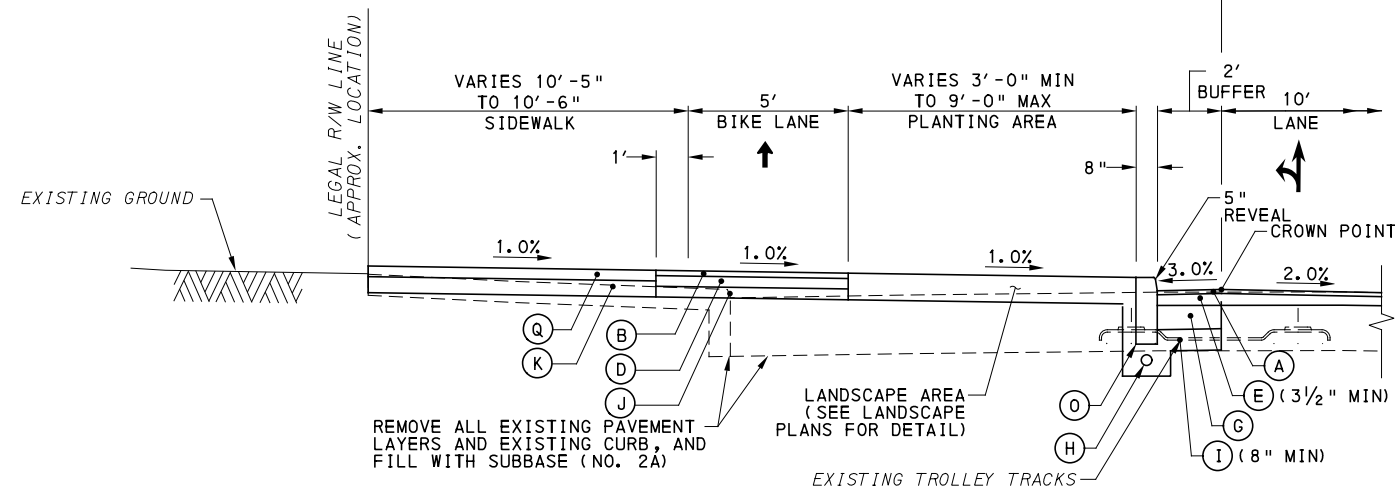
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145+67.52	147+30.00	5	5
147+30.00	147+32.22	5	2 1/2
147+32.22	147+80.00	2 1/2	2 1/2
147+80.00	147+82.58	2 1/2	5
147+82.58	148+25.18	5	5

CURB HEIGHT TABLE - RT

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
145+67.52	148+25.18	4	4



**FORBES AVE BETWEEN PRIDE ST AND MARION ST
 TYPICAL SECTION**
 NOT TO SCALE
 STA 145+67.52 TO STA 148+25.18



**FORBES AVE BETWEEN PRIDE ST AND MARION ST
 PARTIAL TYPICAL TANGENT SECTION**
 NOT TO SCALE
 STA 145+97.96 TO STA 146+37.25
 STA 146+97.25 TO STA 148+04.30

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↑↑ DIRECTIONAL ARROWS

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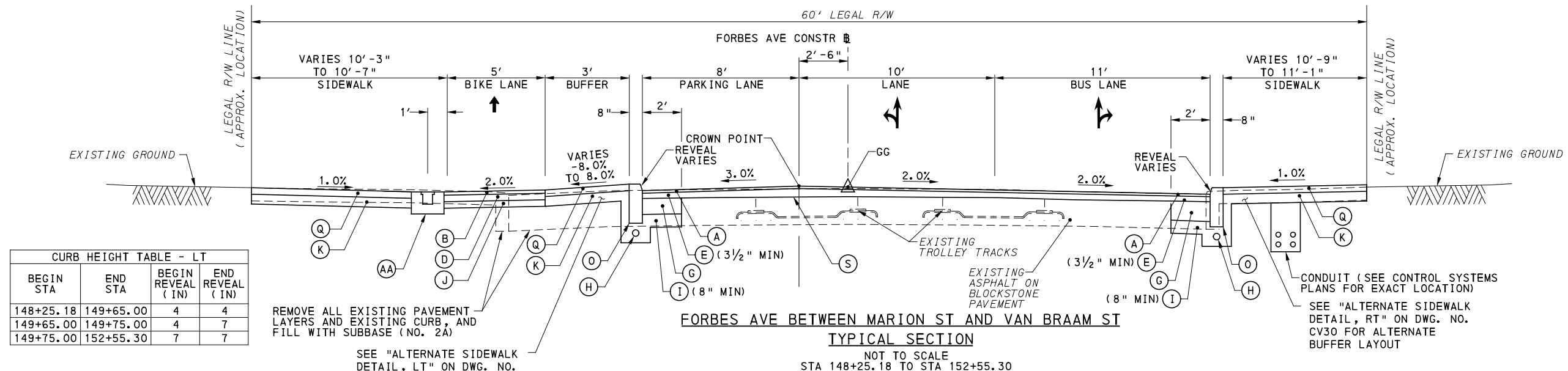
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 TYPICAL SECTIONS
 FORBES AVE

Port Authority connecting people to life™

CONTRACT NO. BRT-001
 DWG. NO. CV35 SHT. 110



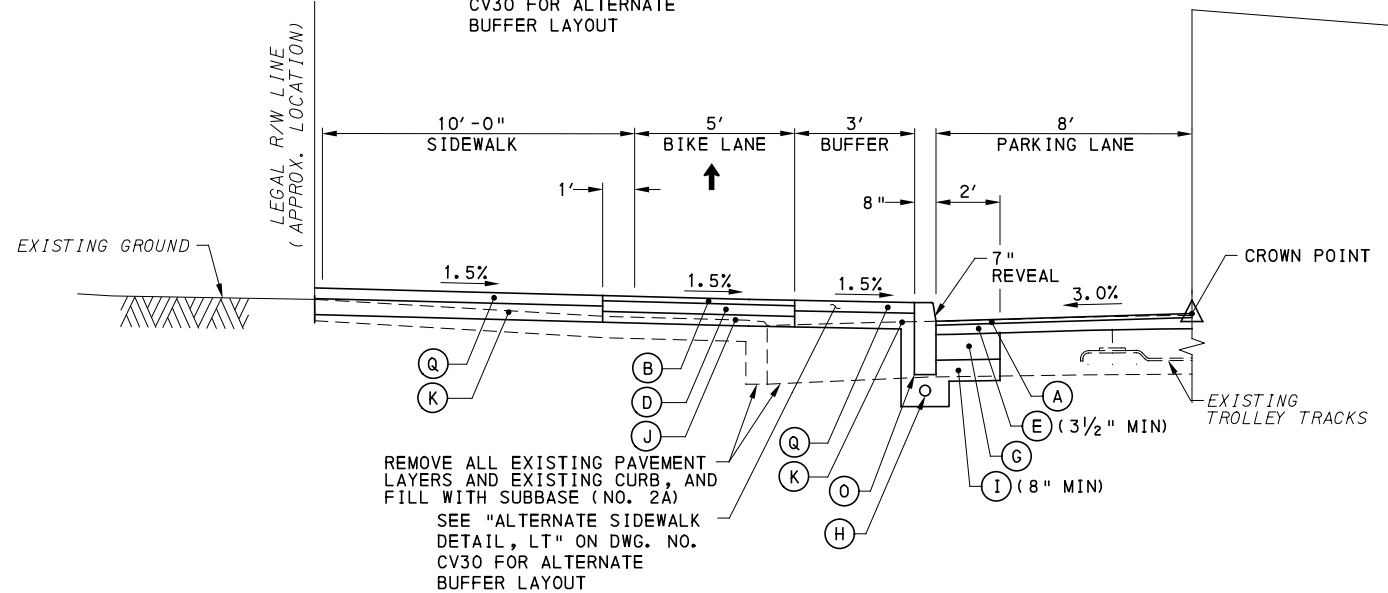
BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
148+25.18	149+65.00	4	4
149+65.00	149+75.00	4	7
149+75.00	152+55.30	7	7

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
148+25.18	152+55.30	4	4

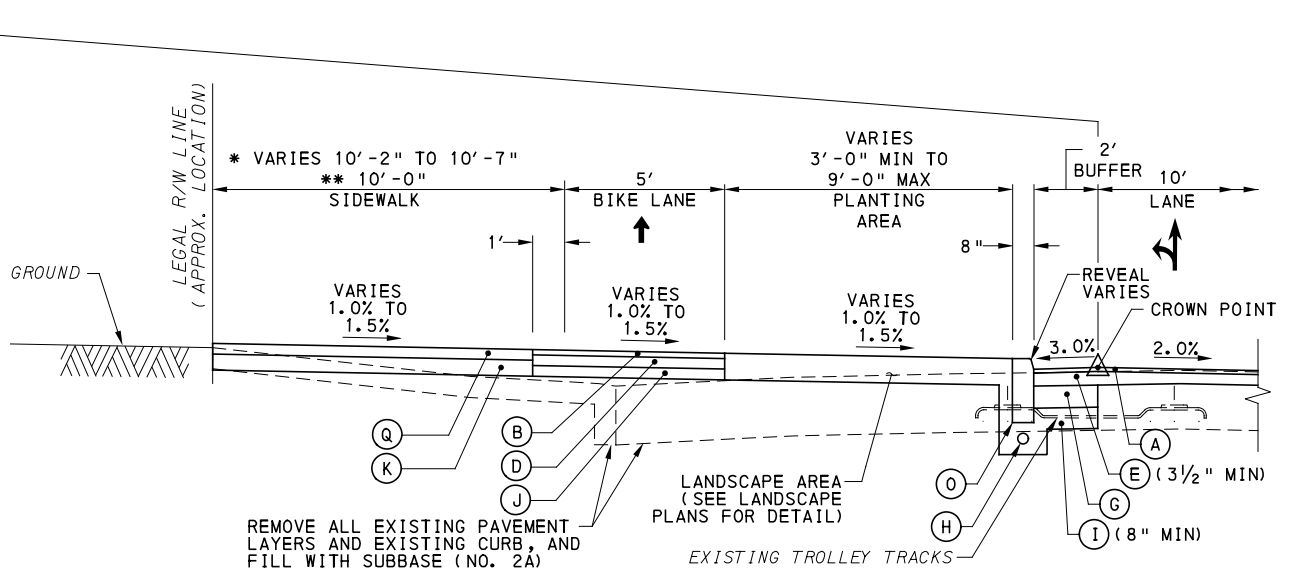
REMOVE ALL EXISTING PAVEMENT LAYERS AND EXISTING CURB, AND FILL WITH SUBBASE (NO. 2A)
SEE "ALTERNATE SIDEWALK DETAIL, LT" ON DWG. NO. CV30 FOR ALTERNATE BUFFER LAYOUT

CONDUIT (SEE CONTROL SYSTEMS PLANS FOR EXACT LOCATION)
SEE "ALTERNATE SIDEWALK DETAIL, RT" ON DWG. NO. CV30 FOR ALTERNATE BUFFER LAYOUT

FORBES AVE BETWEEN MARION ST AND VAN BRAAM ST
TYPICAL SECTION
NOT TO SCALE
STA 148+25.18 TO STA 152+55.30



FORBES AVE BETWEEN MARION ST AND VAN BRAAM ST
PARTIAL TYPICAL TANGENT SECTION
NOT TO SCALE
STA 149+75.00 TO STA 151+93.26



FORBES AVE BETWEEN MARION ST AND VAN BRAAM ST
PARTIAL TYPICAL TANGENT SECTION
NOT TO SCALE
* STA 148+55.67 TO STA 148+88.08
** STA 151+93.26 TO STA 152+25.40

NOTE: EXISTING TROLLEY TRACKS SHOWN FOR INFORMATION ONLY. THE EXACT LOCATION, LIMITS, AND TYPE OF TRACK IS UNKNOWN. TROLLEY TRACKS MAY HAVE BEEN REMOVED.

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
- (C) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH
- (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH
- (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX
- (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
- (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH
- (H) 4" PAVEMENT BASE DRAIN
- (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A
- (J) SUBBASE 4" DEPTH (NO. 2A)
- (K) SUBBASE 6" DEPTH (NO. 2A)
- (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
- (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A
- (N) CONCRETE BUFFER
- (O) REINFORCED CEMENT CONCRETE CURB
- (P) GRANITE CURB
- (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH
- (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH
- (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER)
- (T) MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH
- (U) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH
- (V) MILLING OF ASPHALT PAVEMENT SURFACE, 3 1/2" DEPTH
- (W) REINFORCED CEMENT CONCRETE CURB, 36"
- (X) CURB CHEEK WALL
- (Y) REMOVE AND RESET INTERLOCKING PAVERS
- (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN
- (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



NO.	DATE	DESCRIPTION
REVISIONS		

THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE FEDERAL TRANSIT ADMINISTRATION, U.S. DEPARTMENT OF TRANSPORTATION, UNDER THE URBAN MASS TRANSPORTATION ACT OF 1984, AS AMENDED, FOR THE PORT AUTHORITY OF ALLEGHENY COUNTY, PENNSYLVANIA.

(NOT FOR CONSTRUCTION)

DESIGNED	RRH
DRAWN	RRH
CHECKED	KCF
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH, PENNSYLVANIA

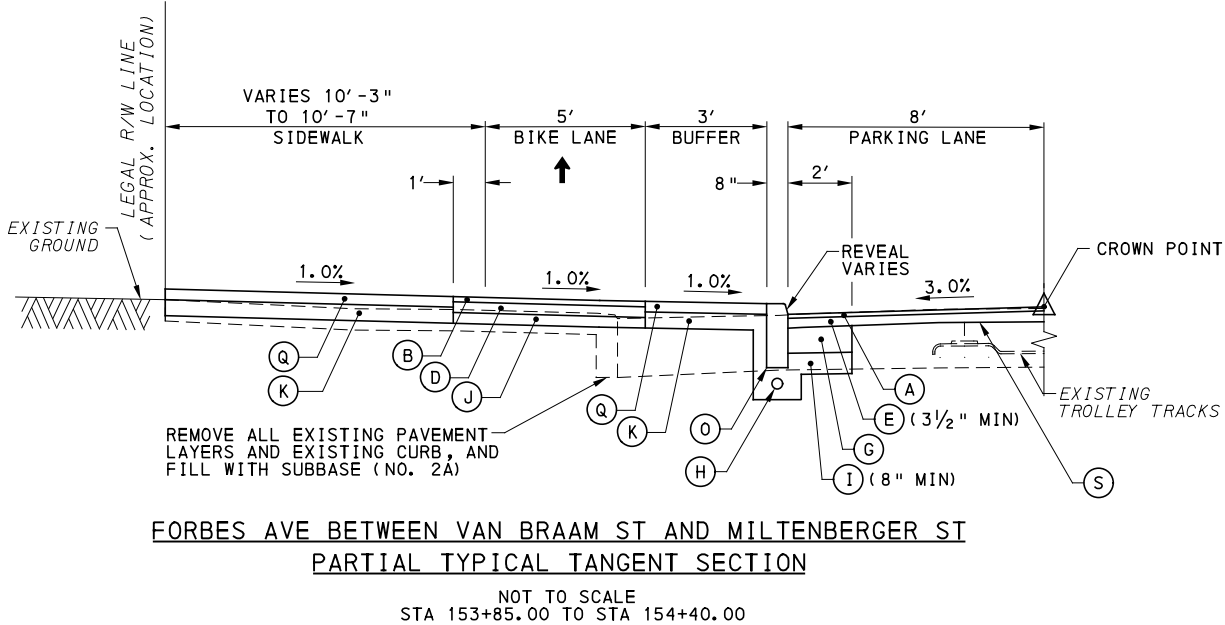
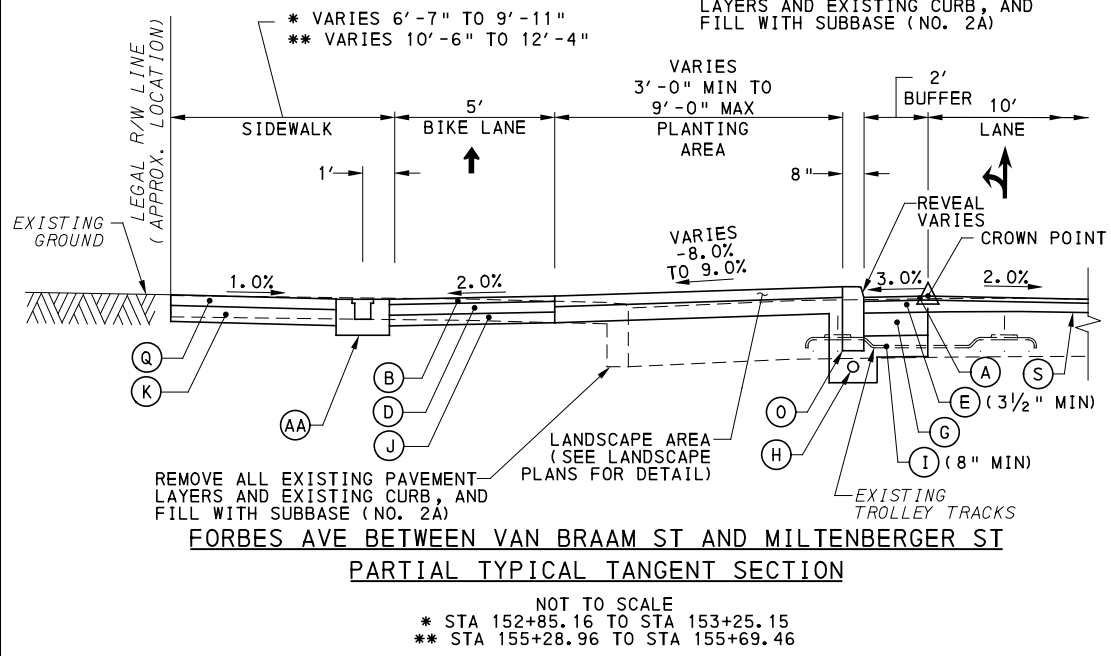
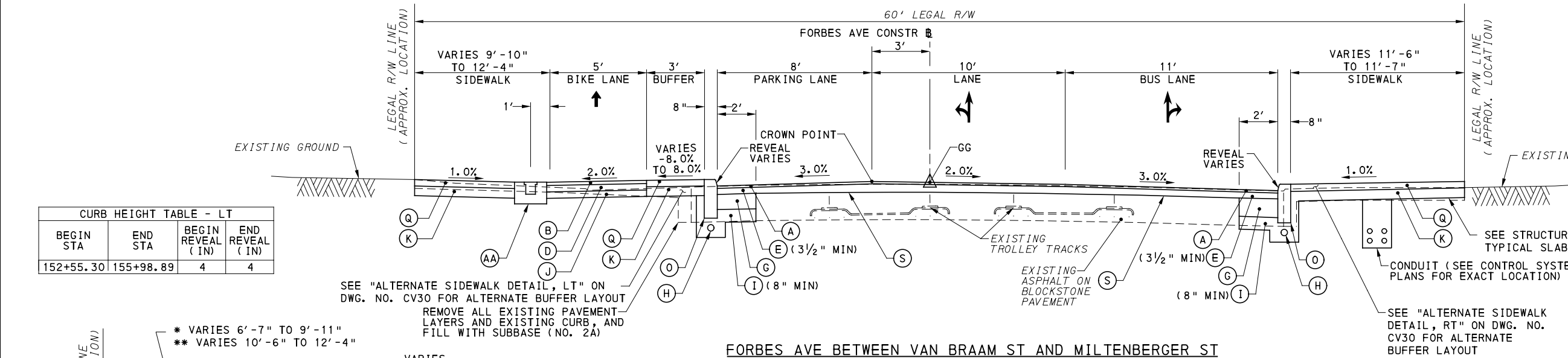
BUS RAPID TRANSIT UPTOWN TO OAKLAND
TYPICAL SECTIONS
FORBES AVE

Port Authority
connecting people to life™

CONTRACT NO. BRT-001	
DWG. NO. CV36	SHT. 111

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
152+55.30	155+98.89	4	4

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
152+55.30	152+90.00	4	4
152+90.00	153+00.00	4	7
153+00.00	153+75.00	7	7
153+75.00	153+85.00	7	4
153+85.00	155+98.89	4	4



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LEGEND

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- (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX
- (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
- (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH
- (H) 4" PAVEMENT BASE DRAIN
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- (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
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NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



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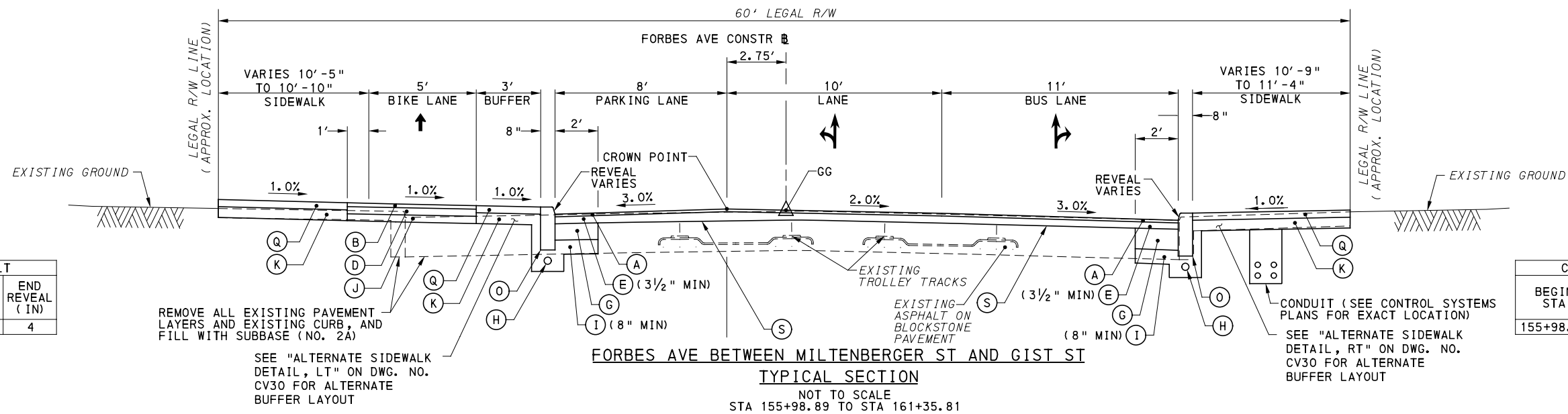
DESIGNED	RRH
DRAWN	RRH
CHECKED	KCF
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH, PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
TYPICAL SECTIONS
FORBES AVE

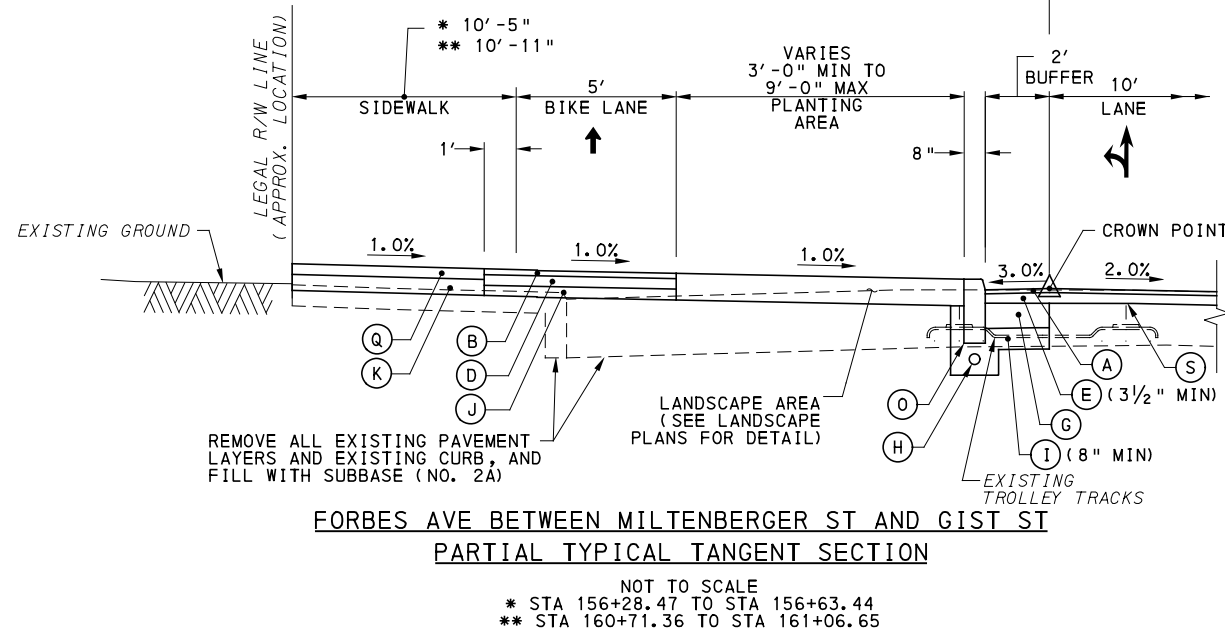
Port Authority
connecting people to life™

CONTRACT NO. BRT-001	
DWG. NO. CV37	SHT. 112



BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
155+98.89	161+35.81	4	4

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
155+98.89	161+35.81	4	4



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NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219



GANNETT FLEMING, INC.
Foster Plaza 8
Suite 400
730 Holiday Drive
Pittsburgh, PA. 15220

NO.	DATE	DESCRIPTION
REVISIONS		

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DESIGNED	RRH
DRAWN	RRH
CHECKED	KCF
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
TYPICAL SECTIONS
FORBES AVE



CONTRACT NO. BRT-001

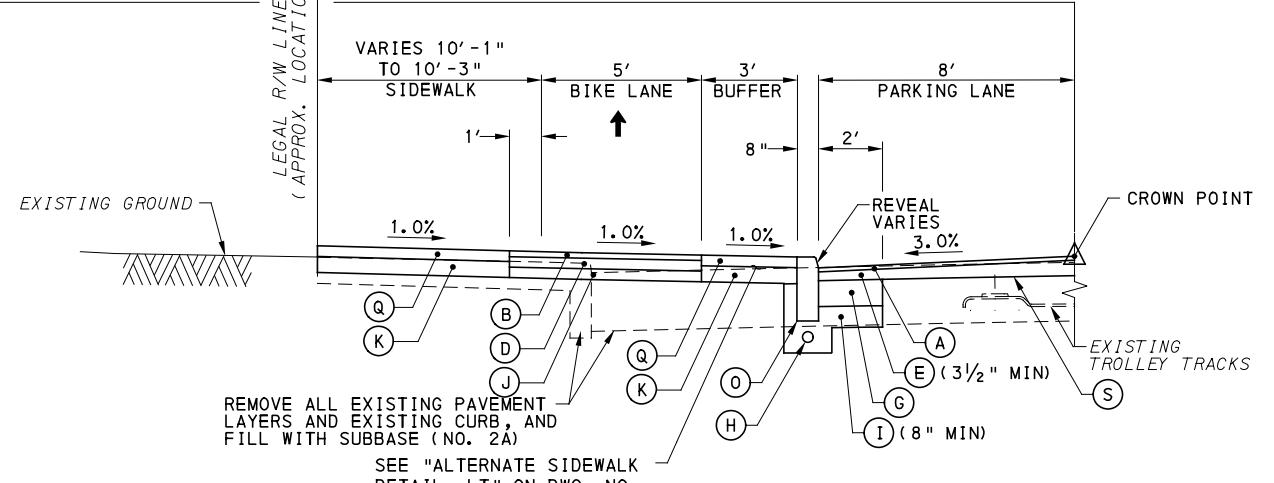
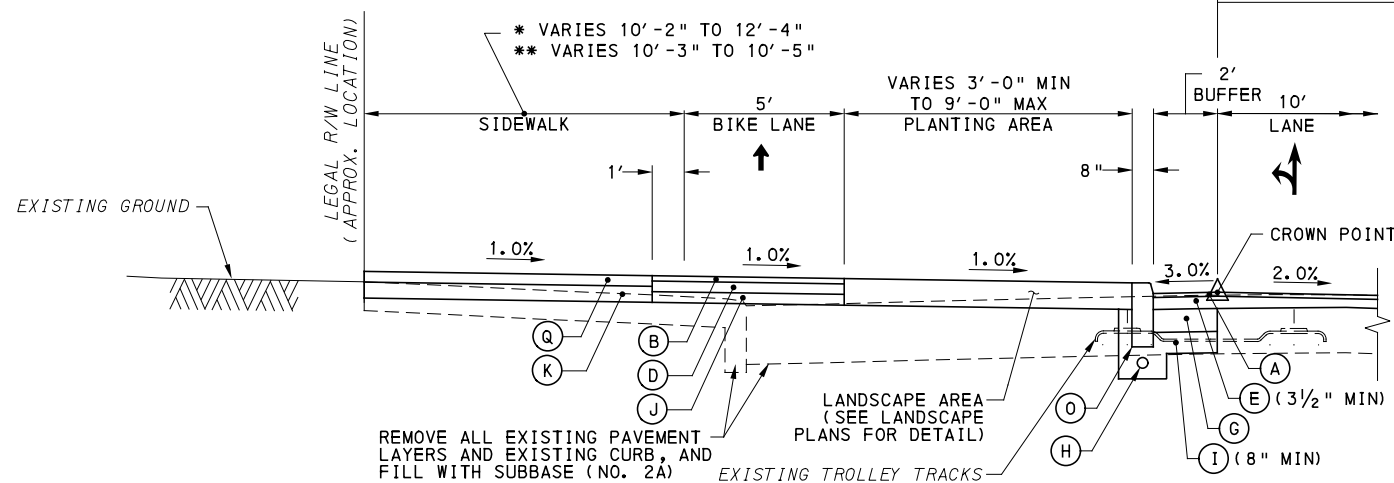
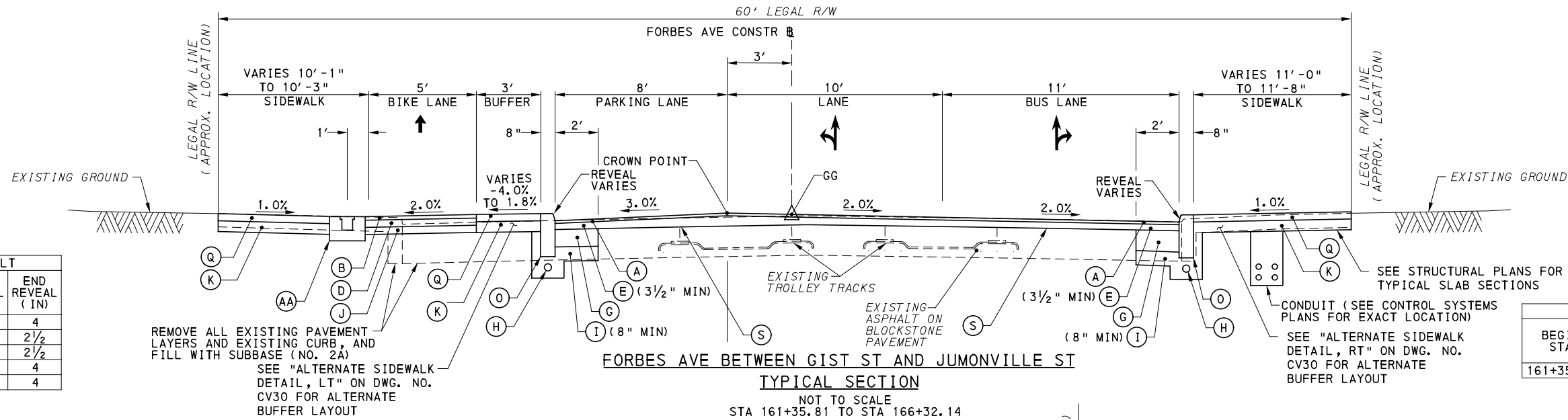
DWG. NO. CV38 SHT. 113

CURB HEIGHT TABLE - LT

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
161+35.81	164+95.92	4	4
164+95.92	164+98.92	4	2 1/2
164+98.92	165+32.30	2 1/2	2 1/2
165+32.30	165+35.30	2 1/2	4
165+35.30	166+32.14	4	4

CURB HEIGHT TABLE - RT

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
161+35.81	166+32.14	4	4



LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
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NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



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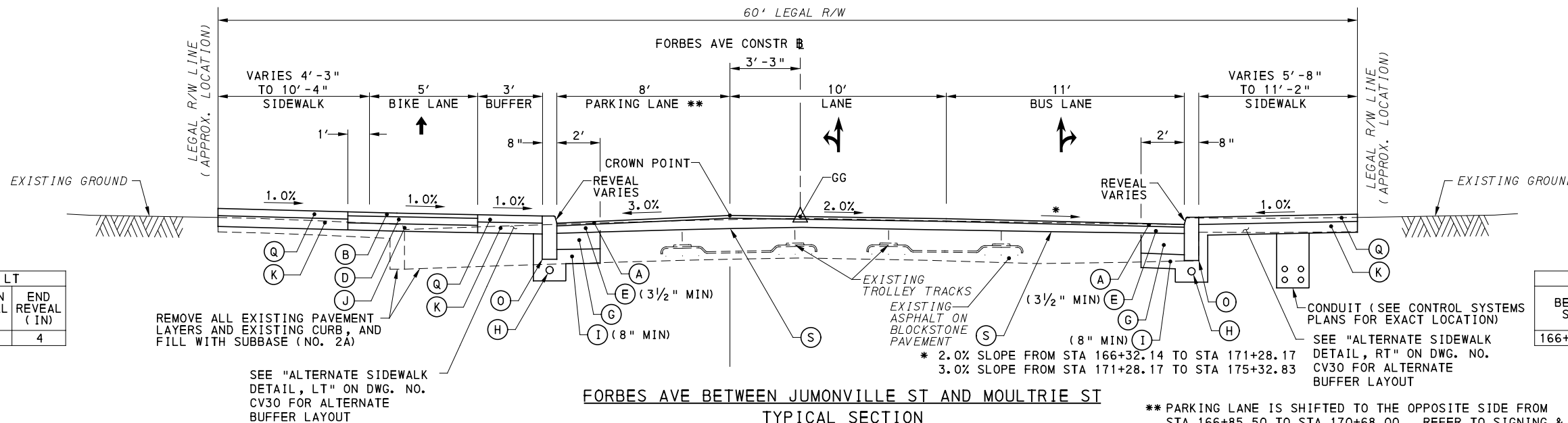
(NOT FOR CONSTRUCTION)

DESIGNED	RRH
DRAWN	RRH
CHECKED	KCF
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND TYPICAL SECTIONS FORBES AVE	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. CV39	SHT. 114

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
166+32.14	175+32.83	4	4

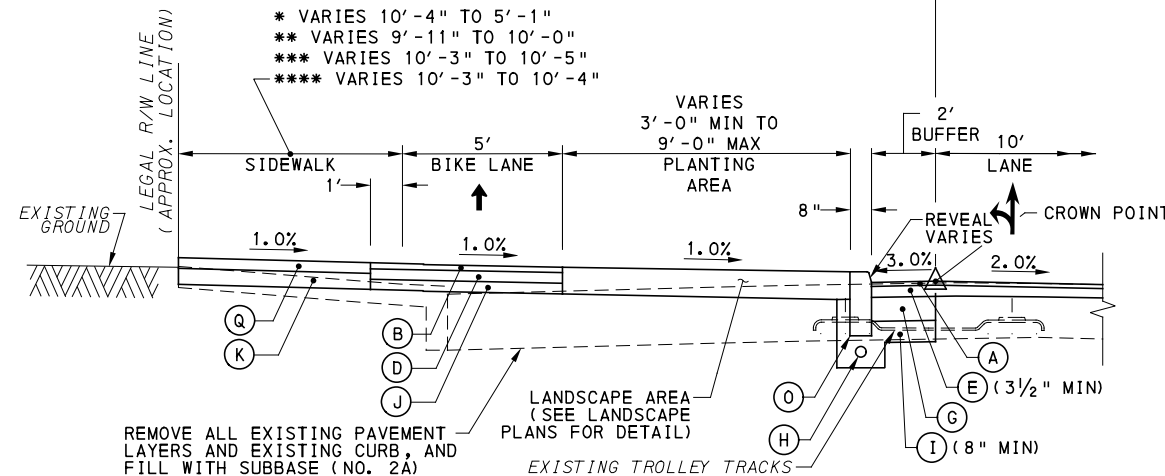
BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
166+32.14	175+32.83	4	4



FORBES AVE BETWEEN JUMONVILLE ST AND MOULTRIE ST

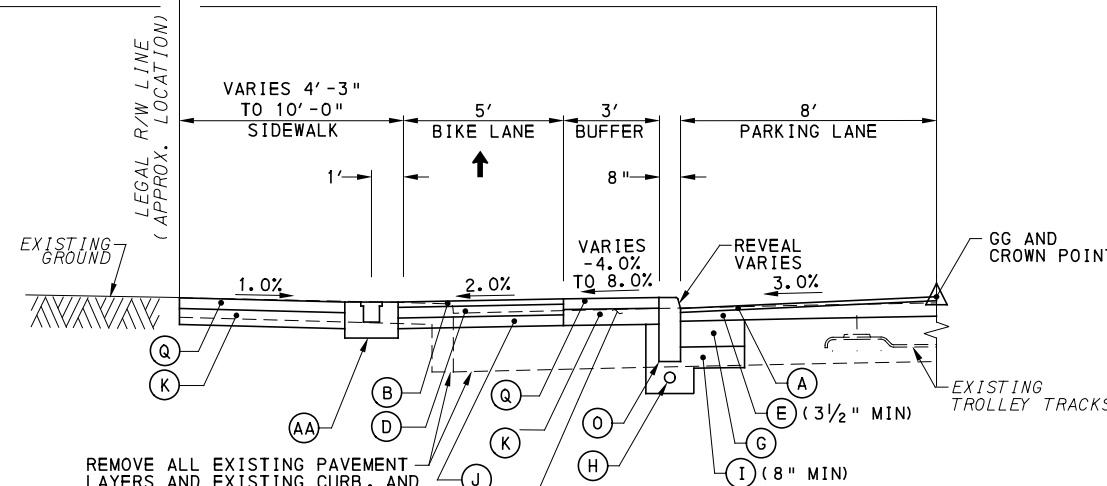
TYPICAL SECTION

NOT TO SCALE
STA 166+32.14 TO STA 175+32.83



FORBES AVE BETWEEN JUMONVILLE ST AND MOULTRIE ST
PARTIAL TYPICAL TANGENT SECTION

NOT TO SCALE
STA 166+55.67 TO STA 166+95.62
STA 170+57.48 TO STA 170+97.64
STA 171+58.01 TO STA 171+97.78
STA 174+67.15 TO STA 175+06.91



FORBES AVE BETWEEN JUMONVILLE ST AND MOULTRIE ST
PARTIAL TYPICAL TANGENT SECTION

NOT TO SCALE
STA 166+95.62 TO STA 170+57.48

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
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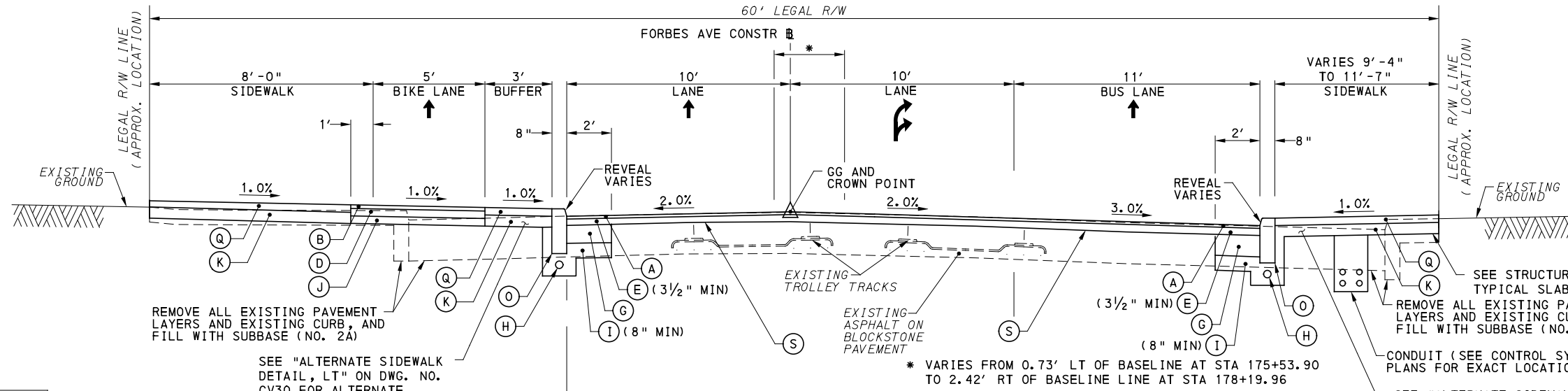
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PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
TYPICAL SECTIONS
FORBES AVE

Port Authority connecting people to life	CONTRACT NO. BRT-001	
	DWG. NO. CV40	SHT. 115



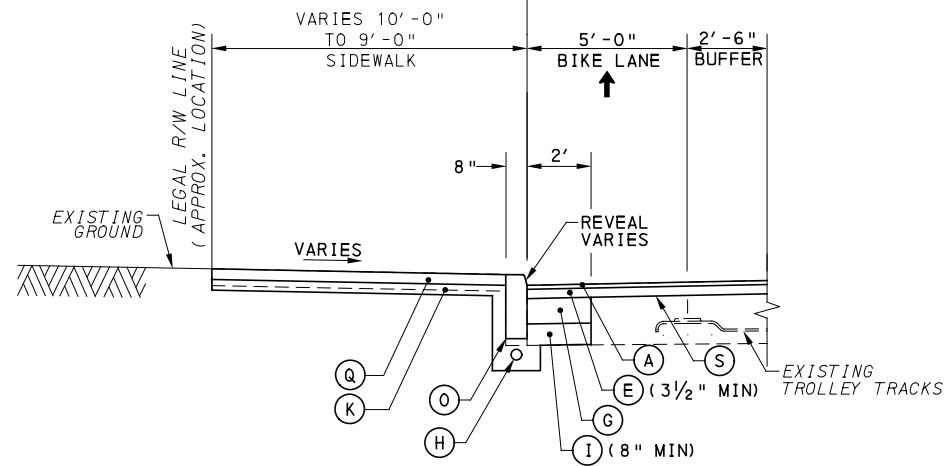
REMOVE ALL EXISTING PAVEMENT LAYERS AND EXISTING CURB, AND FILL WITH SUBBASE (NO. 2A)
SEE "ALTERNATE SIDEWALK DETAIL, LT" ON DWG. NO. CV30 FOR ALTERNATE BUFFER LAYOUT

SEE STRUCTURAL PLANS FOR TYPICAL SLAB SECTIONS
REMOVE ALL EXISTING PAVEMENT LAYERS AND EXISTING CURB, AND FILL WITH SUBBASE (NO. 2A)
CONDUIT (SEE CONTROL SYSTEMS PLANS FOR EXACT LOCATION)
SEE "ALTERNATE SIDEWALK DETAIL, RT" ON DWG. NO. CV30 FOR ALTERNATE BUFFER LAYOUT

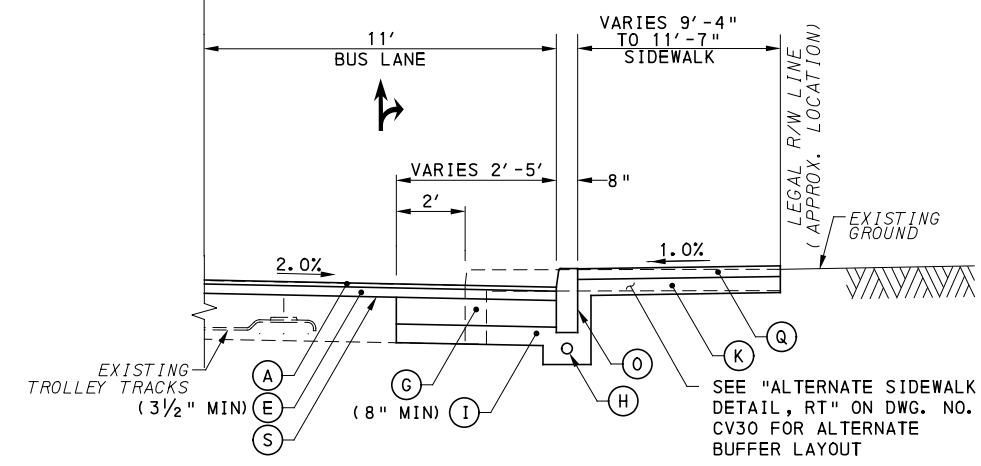
BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
175+32.83	178+00.00	4	4
178+00.00	178+05.00	4	7
178+05.00	178+19.96	7	7

BEGIN STA	END STA	BEGIN REVEAL (IN)	END REVEAL (IN)
175+32.83	178+19.96	7	7

FORBES AVE BETWEEN MOULTRIE ST AND BRADY ST
TYPICAL SECTION
NOT TO SCALE
STA 175+32.83 TO STA 178+19.96



FORBES AVE BETWEEN MOULTRIE ST AND BRADY ST
PARTIAL TYPICAL TANGENT SECTION
NOT TO SCALE
STA 177+91.50 TO STA 178+18.84



FORBES AVE BETWEEN MOULTRIE ST AND BRADY ST
PARTIAL TYPICAL TANGENT SECTION
NOT TO SCALE
STA 175+58.95 TO STA 176+05.11

NOTE: EXISTING TROLLEY TRACKS SHOWN FOR INFORMATION ONLY. THE EXACT LOCATION, LIMITS, AND TYPE OF TRACK IS UNKNOWN. TROLLEY TRACKS MAY HAVE BEEN REMOVED.

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
- (C) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH
- (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH
- (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX
- (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
- (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH
- (H) 4" PAVEMENT BASE DRAIN
- (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A
- (J) SUBBASE 4" DEPTH (NO. 2A)
- (K) SUBBASE 6" DEPTH (NO. 2A)
- (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
- (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A
- (N) CONCRETE BUFFER
- (O) REINFORCED CEMENT CONCRETE CURB
- (P) GRANITE CURB
- (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH
- (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH
- (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER)
- (T) MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH
- (U) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH
- (V) MILLING OF ASPHALT PAVEMENT SURFACE, 3 1/2" DEPTH
- (W) REINFORCED CEMENT CONCRETE CURB, 36"
- (X) CURB CHEEK WALL
- (Y) REMOVE AND RESET INTERLOCKING PAVERS
- (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN
- (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE
- (↑↑) DIRECTIONAL ARROWS

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



NO.	DATE	DESCRIPTION
REVISIONS		

THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE FEDERAL TRANSIT ADMINISTRATION, U.S. DEPARTMENT OF TRANSPORTATION, UNDER THE URBAN MASS TRANSPORTATION ACT OF 1984, AS AMENDED, FOR THE PORT AUTHORITY OF ALLEGHENY COUNTY, PENNSYLVANIA.

(NOT FOR CONSTRUCTION)

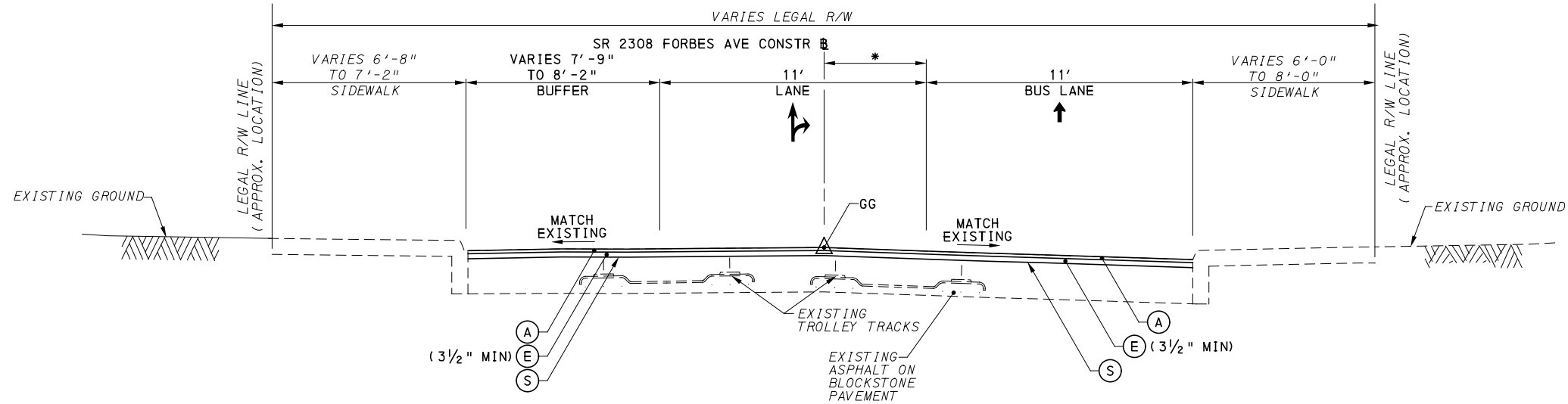
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DRAWN	RRH
CHECKED	KCF
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
TYPICAL SECTIONS
FORBES AVE

Port Authority connecting people to life™

CONTRACT NO. BRT-001
DWG. NO. CV41 SHT. 116



FORBES AVE BETWEEN BRADY ST AND BIRMINGHAM BRIDGE OFF-RAMP
TYPICAL SECTION
 NOT TO SCALE
 STA 178+19.96 TO STA 180+65.89

* VARIES 3.81' TO 3.01' STA 179+78.31 TO STA 180+63.77

NOTE: EXISTING TROLLEY TRACKS SHOWN FOR INFORMATION ONLY. THE EXACT LOCATION, LIMITS, AND TYPE OF TRACK IS UNKNOWN. TROLLEY TRACKS MAY HAVE BEEN REMOVED.

LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H
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- (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH
- (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX
- (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
- (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH
- (H) 4" PAVEMENT BASE DRAIN
- (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A
- (J) SUBBASE 4" DEPTH (NO. 2A)
- (K) SUBBASE 6" DEPTH (NO. 2A)
- (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A
- (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A
- (N) CONCRETE BUFFER
- (O) REINFORCED CEMENT CONCRETE CURB
- (P) GRANITE CURB
- (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH
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- (X) CURB CHEEK WALL
- (Y) REMOVE AND RESET INTERLOCKING PAVERS
- (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN
- (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE

↑↑ DIRECTIONAL ARROWS

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



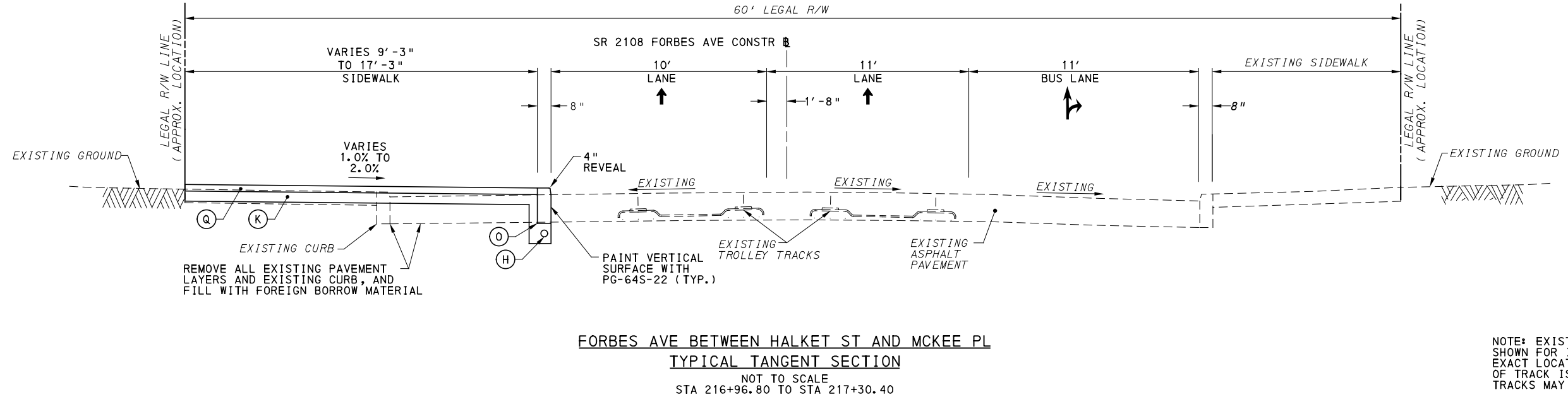
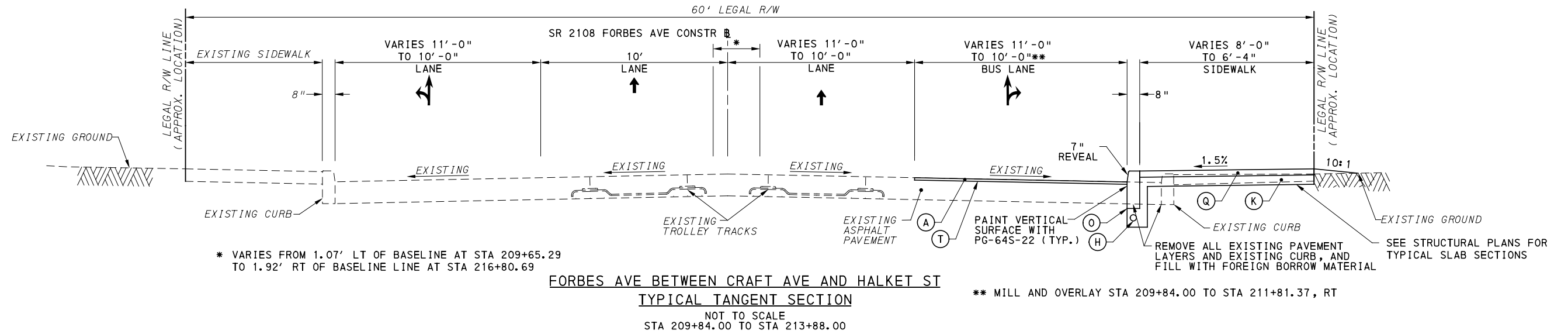
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(NOT FOR CONSTRUCTION)

DESIGNED	RRH
DRAWN	RRH
CHECKED	KCF
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND TYPICAL SECTIONS FORBES AVE	
Port Authority <small>connecting people to life™</small>	CONTRACT NO. BRT-001
DWG. NO. CV42	SHT. 117



NOTE: EXISTING TROLLEY TRACKS SHOWN FOR INFORMATION ONLY. THE EXACT LOCATION, LIMITS, AND TYPE OF TRACK IS UNKNOWN. TROLLEY TRACKS MAY HAVE BEEN REMOVED.

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LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1/2" DEPTH, SRL-H
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↗↘ DIRECTIONAL ARROWS



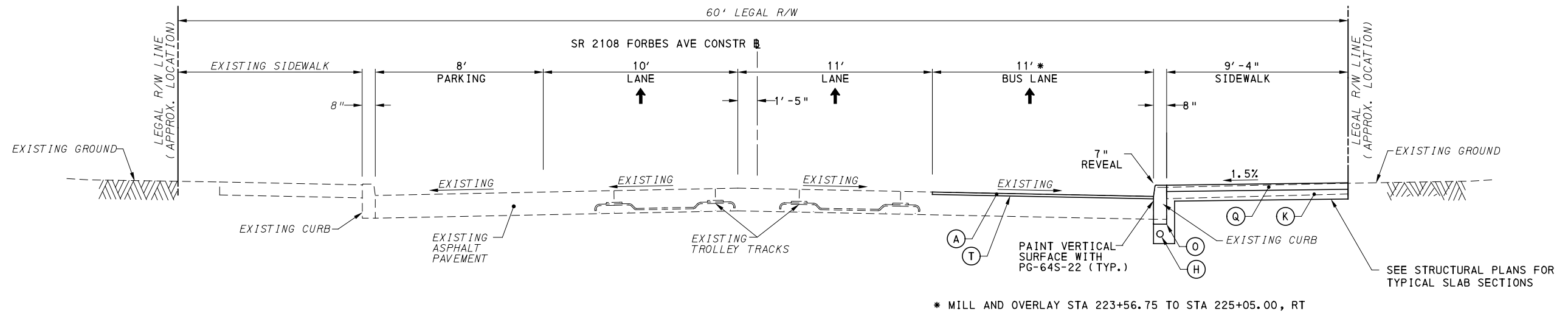
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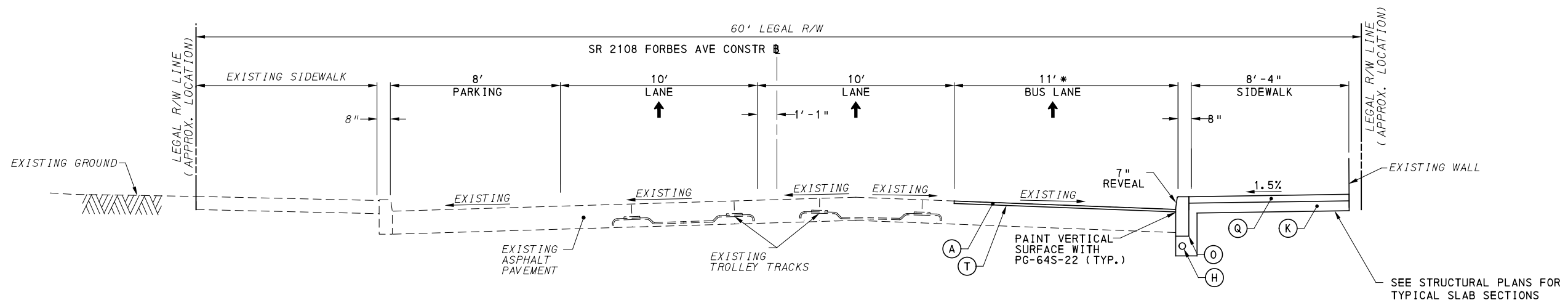
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND TYPICAL SECTIONS FORBES AVE	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. CV43	SHT. 118



FORBES AVE BETWEEN MCKEE PL AND SEMPLE ST
TYPICAL TANGENT SECTION
 NOT TO SCALE
 STA 223+56.75 TO STA 225+77.25



FORBES AVE BETWEEN BOUQUET ST AND SCHENLEY DR/BIGELOW BLVD
TYPICAL TANGENT SECTION
 NOT TO SCALE
 STA 235+33.00 TO STA 237+60.69

NOTE: EXISTING TROLLEY TRACKS SHOWN FOR INFORMATION ONLY. THE EXACT LOCATION, LIMITS, AND TYPE OF TRACK IS UNKNOWN. TROLLEY TRACKS MAY HAVE BEEN REMOVED.

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY

LEGEND

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↗↖ DIRECTIONAL ARROWS



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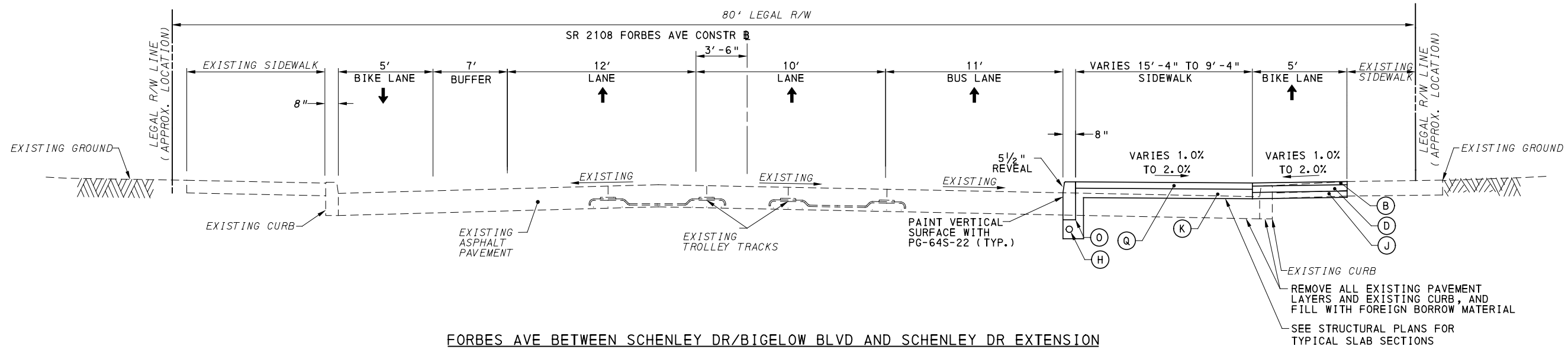
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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 TYPICAL SECTIONS
 FORBES AVE

Port Authority connecting people to life

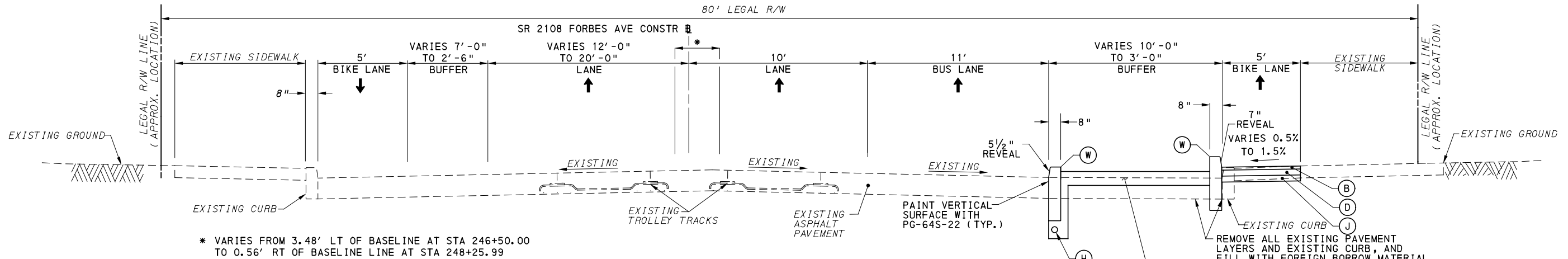
CONTRACT NO. BRT-001
 DWG. NO. CV44 SHT. 119



FORBES AVE BETWEEN SCHENLEY DR/BIGELOW BLVD AND SCHENLEY DR EXTENSION

TYPICAL TANGENT SECTION

NOT TO SCALE
STA 244+62.55 TO STA 246+65.45



FORBES AVE BETWEEN SCHENLEY DR/BIGELOW BLVD AND SCHENLEY DR EXTENSION

TYPICAL TANGENT SECTION

NOT TO SCALE
STA 246+65.45 TO STA 248+75.02

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LEGEND

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
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- ↕ DIRECTIONAL ARROWS

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219



GANNETT FLEMING, INC.
Foster Plaza 8
Suite 400
730 Holiday Drive
Pittsburgh, PA. 15220

NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

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SCALE	AS SHOWN

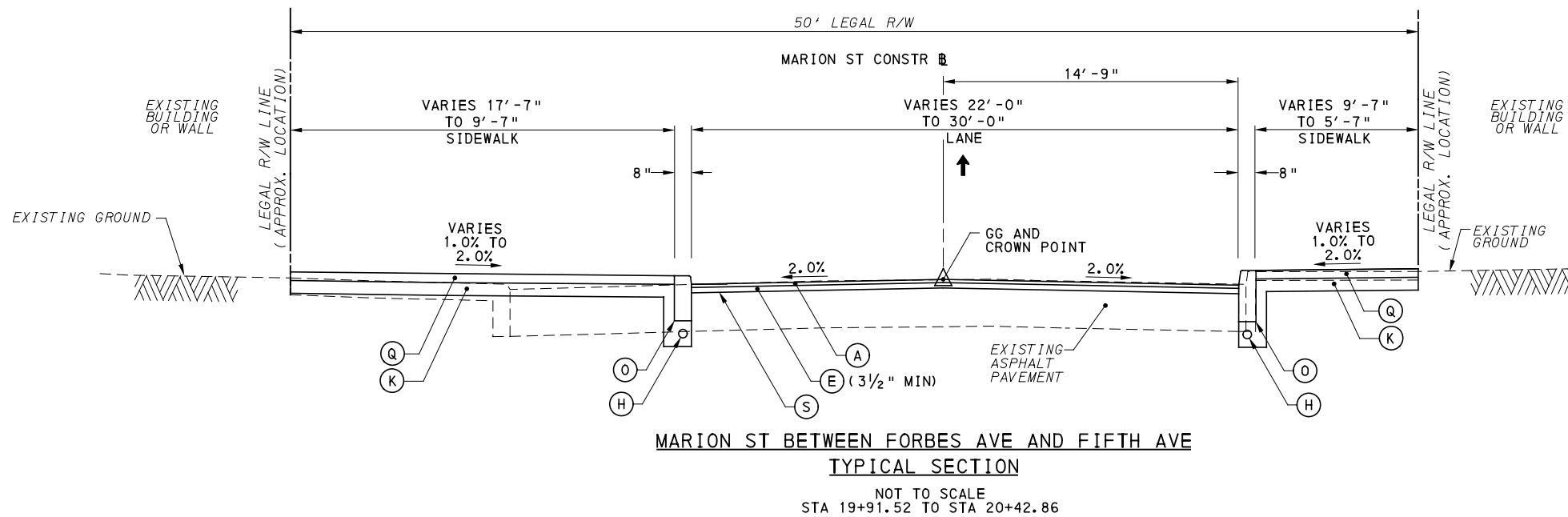
PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
TYPICAL SECTIONS
FORBES AVE

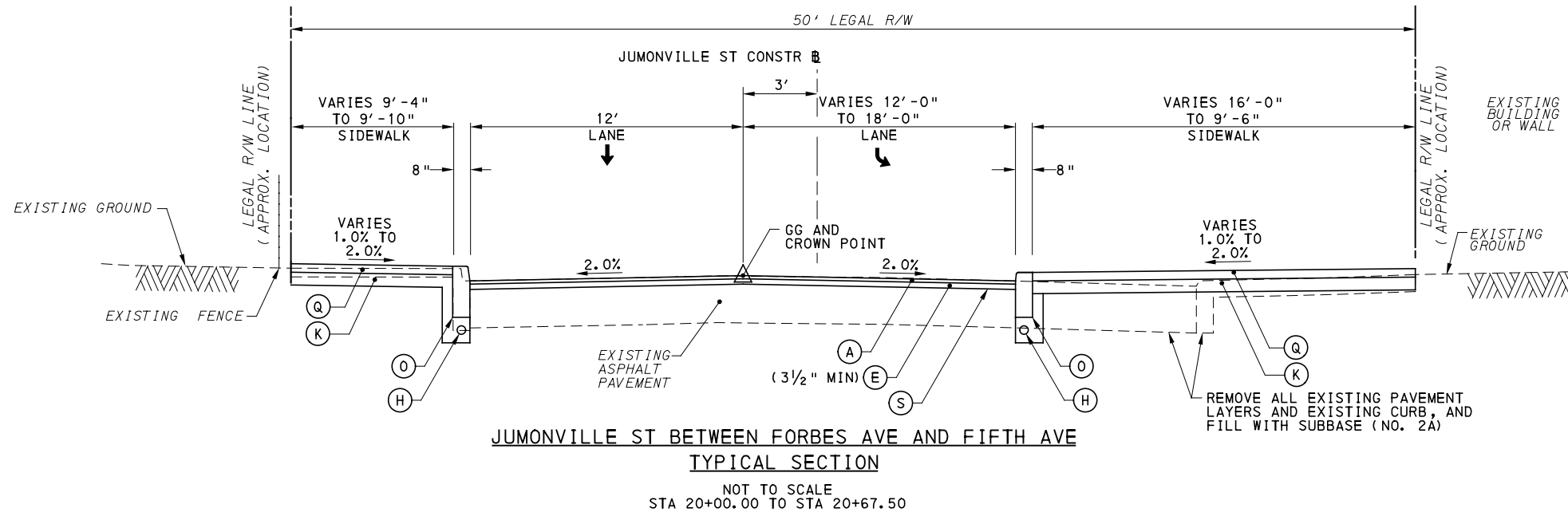


CONTRACT NO. BRT-001

DWG. NO. CV45 SHT. 120



MARION ST BETWEEN FORBES AVE AND FIFTH AVE
TYPICAL SECTION
 NOT TO SCALE
 STA 19+91.52 TO STA 20+42.86



JUMONVILLE ST BETWEEN FORBES AVE AND FIFTH AVE
TYPICAL SECTION
 NOT TO SCALE
 STA 20+00.00 TO STA 20+67.50

LEGEND

- | | | | | |
|---|---|---|---|---|
| (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H | (E) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX | (J) SUBBASE 4" DEPTH (NO. 2A) | (Q) REINFORCED CEMENT CONCRETE SIDEWALK, 4" DEPTH | (W) REINFORCED CEMENT CONCRETE CURB, 36" |
| (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, <0.3 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-H | (F) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH | (K) SUBBASE 6" DEPTH (NO. 2A) | (R) MILLING OF CEMENT CONCRETE PAVEMENT SURFACE, 2" DEPTH | (X) CURB CHEEK WALL |
| (C) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64E-22, 10 TO <30 MILLION ESALS, 19.0 MM MIX, 2" DEPTH | (G) REINFORCED CEMENT CONCRETE BASE COURSE, 10" DEPTH | (L) SUBBASE 8" DEPTH (NO. 2A) OVER GEOTEXTILE CLASS 4, TYPE A | (S) MILLING OF ASPHALT PAVEMENT SURFACE, VARIABLE DEPTH (MILL TO SANDSTONE BLOCK LAYER) | (Y) REMOVE AND RESET INTERLOCKING PAVERS |
| (D) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH | (H) 4" PAVEMENT BASE DRAIN | (M) PLAIN CONCRETE MOUNTABLE CURB, TYPE A | (T) MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH | (Z) EXPOSED AGGREGATE CONCRETE SIDEWALK, BROWN |
| | (I) SUBBASE (NO. 2A) (MATCH ADJACENT SUBBASE DEPTH) OVER GEOTEXTILE CLASS 4, TYPE A | (N) CONCRETE BUFFER | (U) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH | (AA) PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE |
| | | (O) REINFORCED CEMENT CONCRETE CURB | (V) MILLING OF ASPHALT PAVEMENT SURFACE, 3 1/2" DEPTH | |
| | | (P) GRANITE CURB | | |

NOTE: ASPHALT TACK COAT IS REQUIRED BETWEEN ALL ASPHALT PAVING COURSES AND ON MILLED SURFACES PRIOR TO PLACING OVERLAY



NO.	DATE	DESCRIPTION
REVISIONS		

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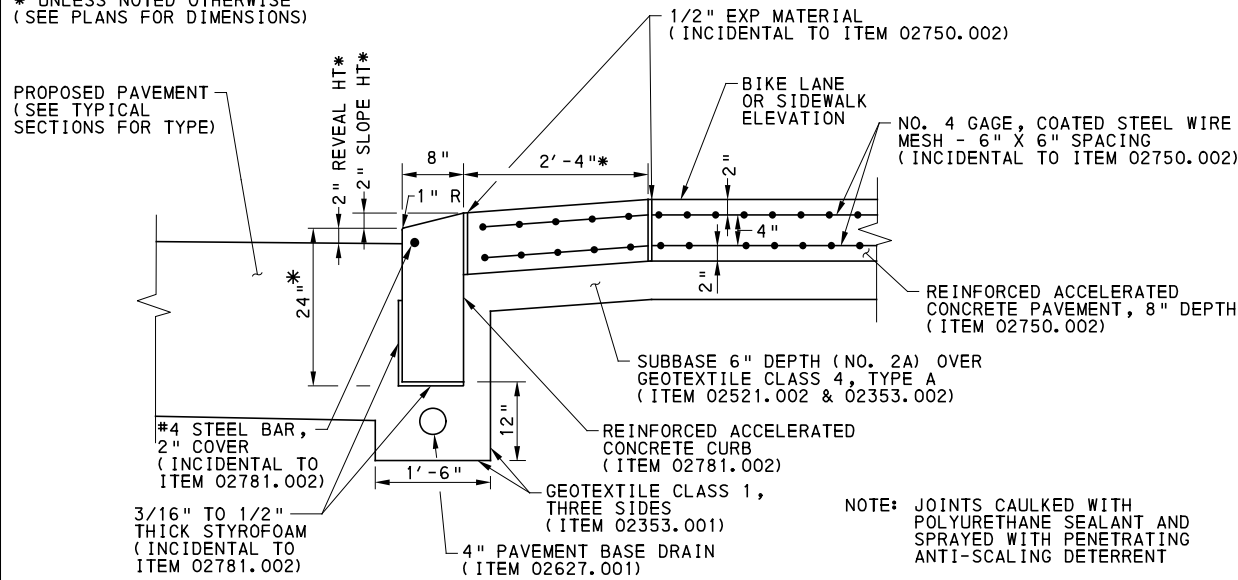
(NOT FOR CONSTRUCTION)

DESIGNED	RRH
DRAWN	RRH
CHECKED	KCF
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND TYPICAL SECTIONS MARION ST AND JUMONVILLE ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. CV46	SHT. 121

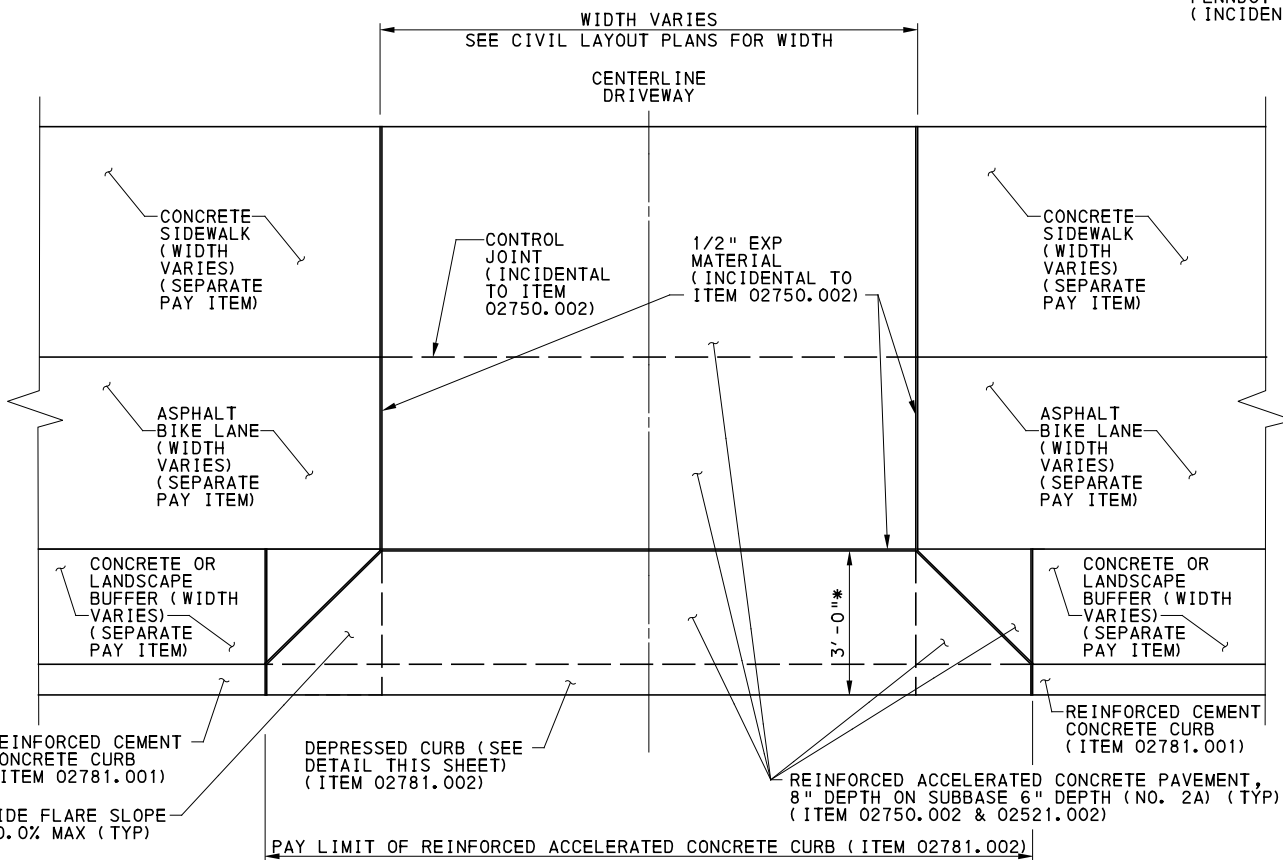
PLOTTED: 3/21/2024 3:32:35 PM

* UNLESS NOTED OTHERWISE (SEE PLANS FOR DIMENSIONS)



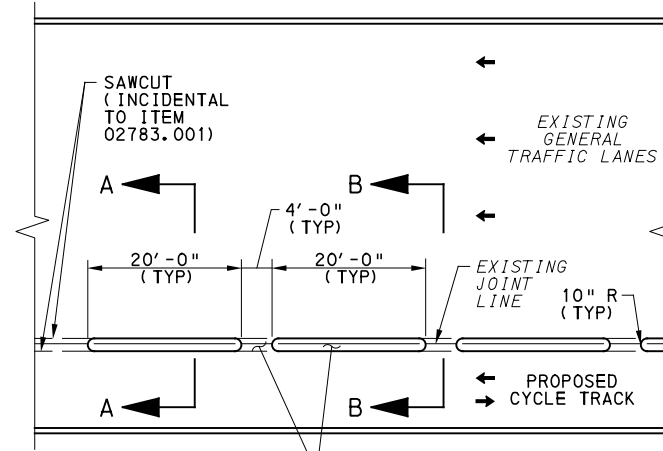
DRIVEWAY DEPRESSED CURB AND APRON DETAIL

*DEPTH MAY BE DECREASED TO 10" BELOW GUTTERLINE (RC-64M) AS REQUIRED TO ELIMINATE CONFLICTS WITH UNDERGROUND FACILITIES, AS INDICATED BY THE ENGINEER.



TYPE 1-A DRIVEWAY APRON DETAIL WITH BIKE LANE AND BUFFER
NOT TO SCALE

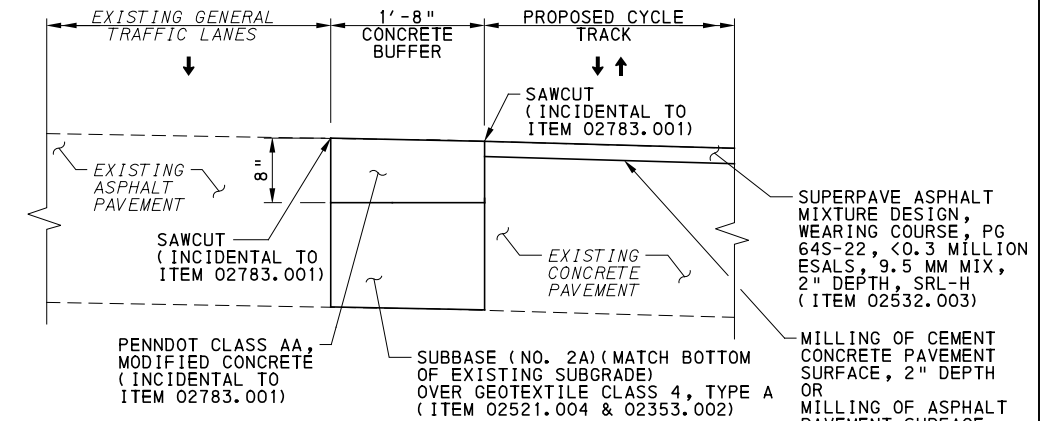
* UNLESS NOTED OTHERWISE (SEE PLANS FOR DIMENSIONS)



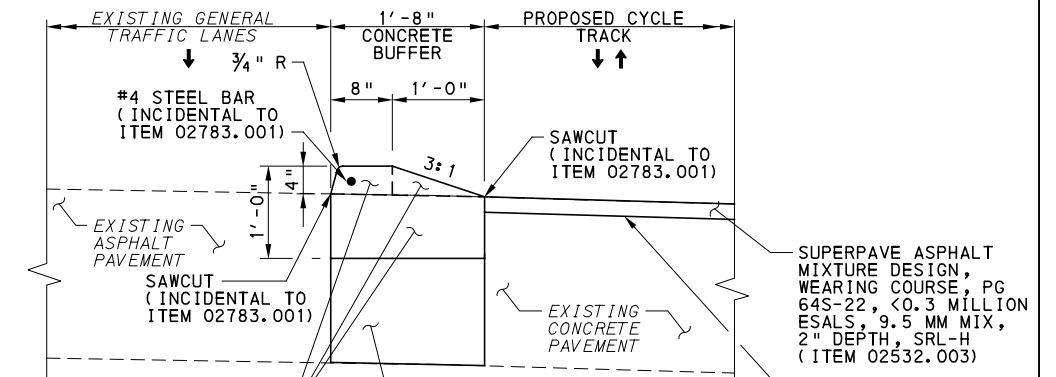
CONCRETE BUFFER DETAIL

NOT TO SCALE

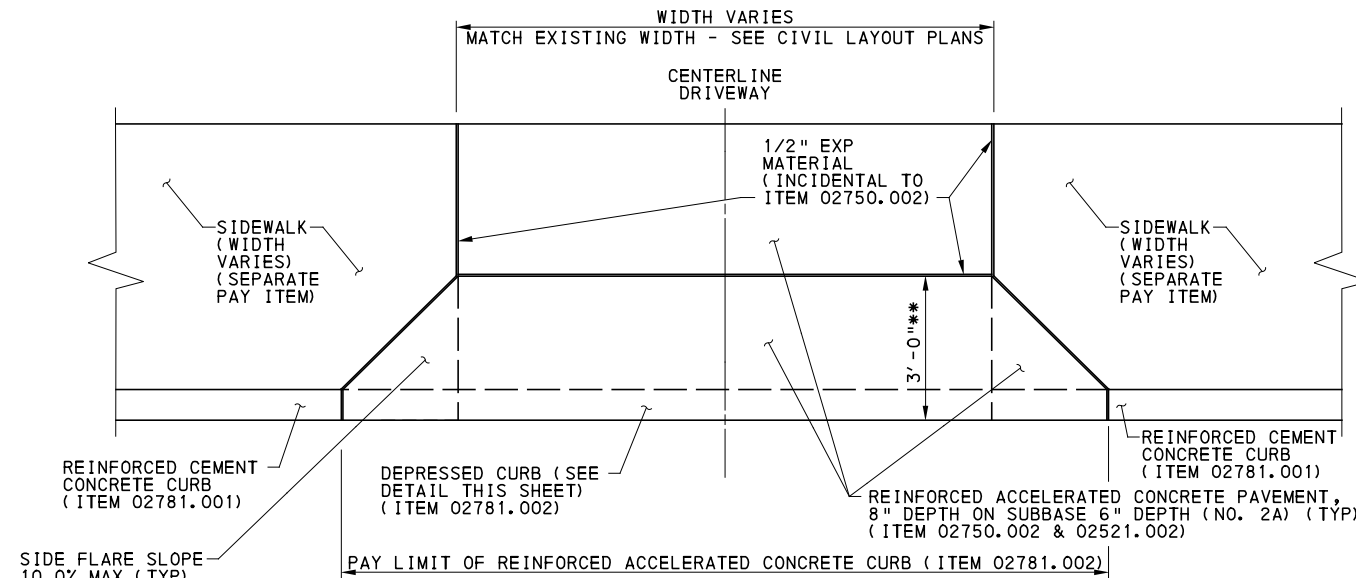
PENNDOT CLASS AA, MODIFIED CONCRETE (INCIDENTAL TO ITEM 02783.001)



SECTION B-B



SECTION A-A



TYPE 1-A DRIVEWAY APRON DETAIL
NOT TO SCALE

** UNLESS NOTED OTHERWISE (SEE PLANS FOR DIMENSIONS)

AECOM

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Pittsburgh, PA 15219

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REVISIONS		

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(NOT FOR CONSTRUCTION)

DESIGNED	SDS
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CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
SPECIAL DETAILS
DRIVEWAY APRON & CONCRETE BUFFER

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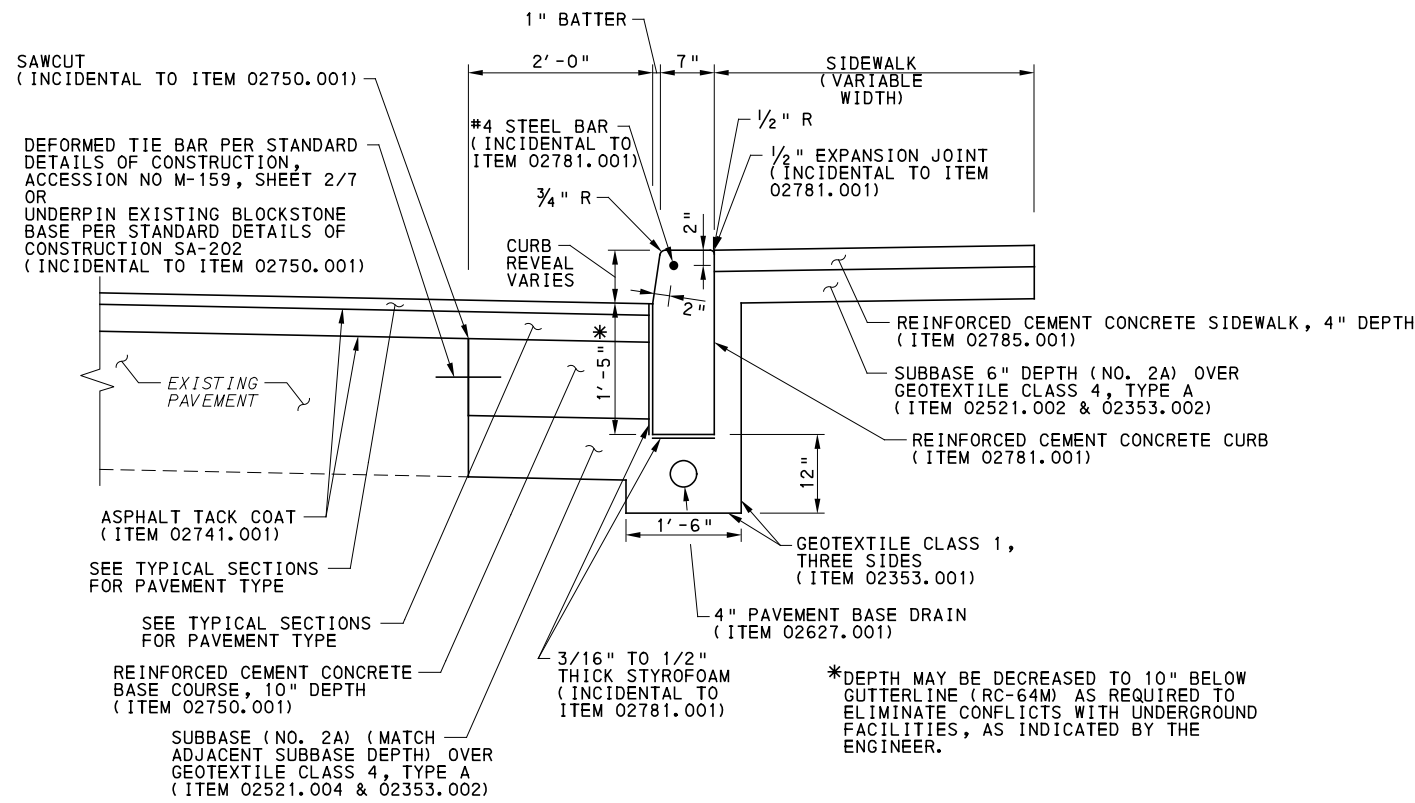
CONTRACT NO. BRT-001

DWG. NO. CV47

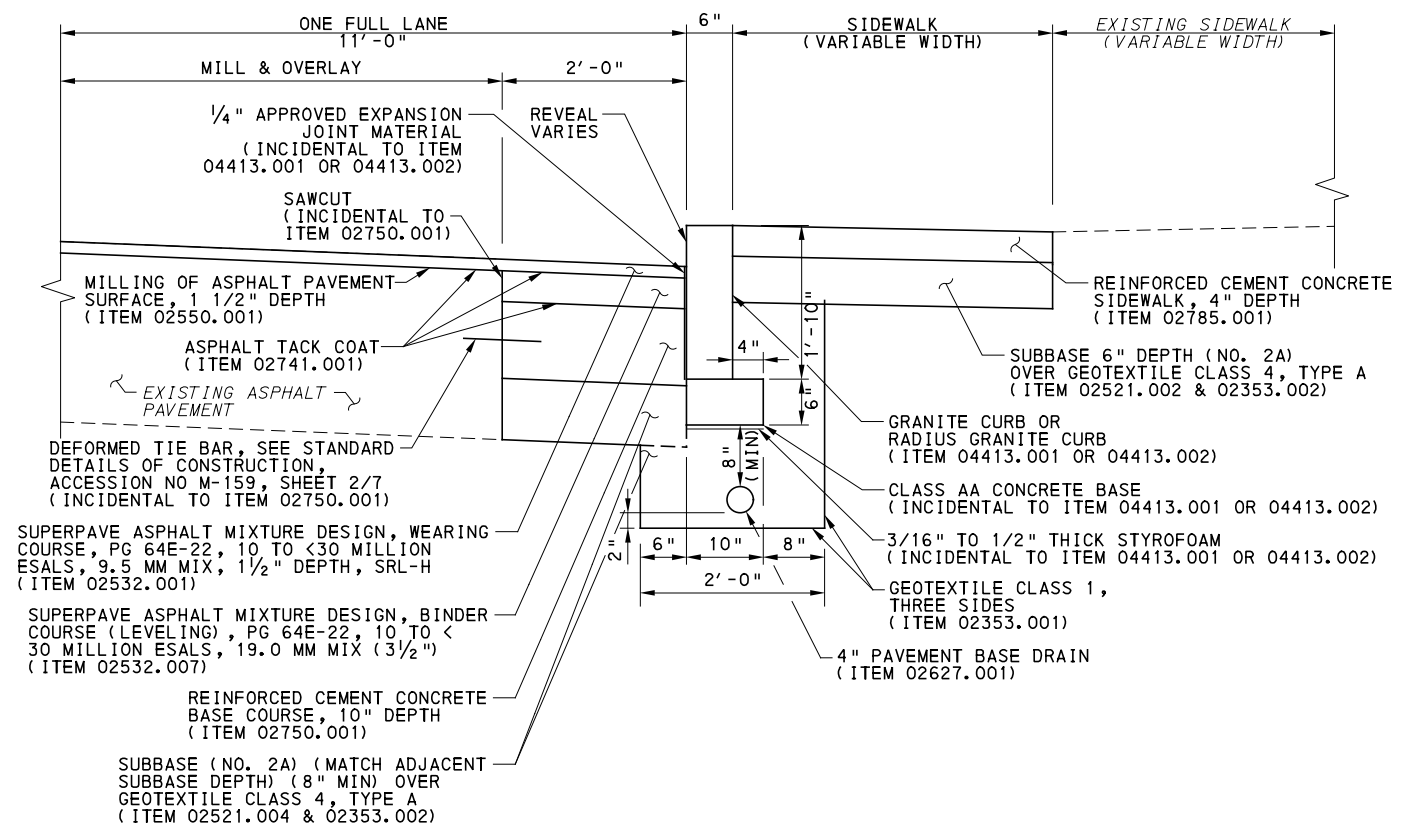
SHT. 122

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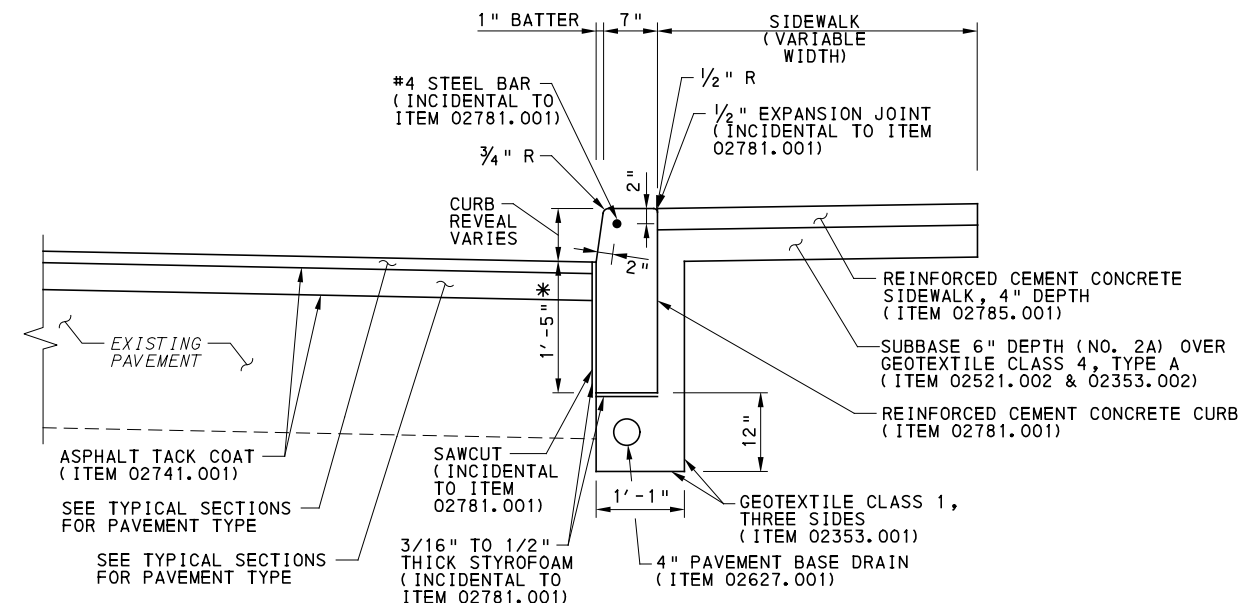
OPERATOR: "michael.mcgarry" FILE PATH: c:\pwworking\aecocom.com\d0207701\BRT_01_RD_DETAIL02.dgn



REINFORCED CEMENT CONCRETE CURB ADJACENT TO PAVEMENT RESTORATION DETAIL
NOT TO SCALE

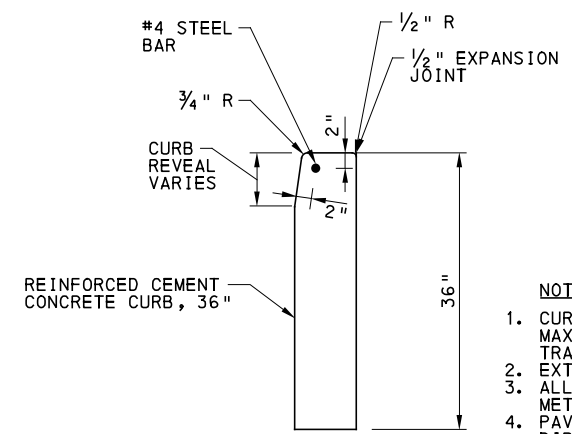


GRANITE CURB ADJACENT TO COMPOSITE PAVEMENT RESTORATION AND MILL & OVERLAY DETAIL
NOT TO SCALE
FOR USE ON FIFTH AVE BETWEEN DARRAGH ST AND LOTHROP ST, LT



REINFORCED CEMENT CONCRETE CURB ADJACENT TO MILL & OVERLAY DETAIL
NOT TO SCALE

FOR USE AT CURB BUMPOUTS WHERE FULL DEPTH PAVEMENT RESTORATION IS NOT POSSIBLE DUE TO MPT RESTRICTIONS AND ALONG PORTIONS OF FORBES AVE DESIGNATED AS A STATE ROUTE



REINFORCED CEMENT CONCRETE CURB, 36" DETAIL
NOT TO SCALE

FOR USE AT GI BIORETENTION OR BIOSWALE LOCATIONS
SEE STORMWATER MANAGEMENT PLANS (ALSO PLAN) FOR ADDITIONAL DETAIL

- NOTES:**
1. CURB CONSTRUCTION JOINTS SHALL BE SPACED AT A MAXIMUM OF 10'-0", AND SHALL COINCIDE WITH TRANSVERSE JOINTS IN THE PAVEMENT AND/OR BASE.
 2. EXTEND ALL PAVEMENT JOINTS THROUGH CURB.
 3. ALL CONCRETE CURB SHALL BE CURED BY THE SAME METHOD AS CONCRETE PAVEMENT OR BASE COURSE.
 4. PAVEMENT BASE DRAIN MAY BE OMITTED AS DIRECTED BY THE ENGINEER.



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(NOT FOR CONSTRUCTION)

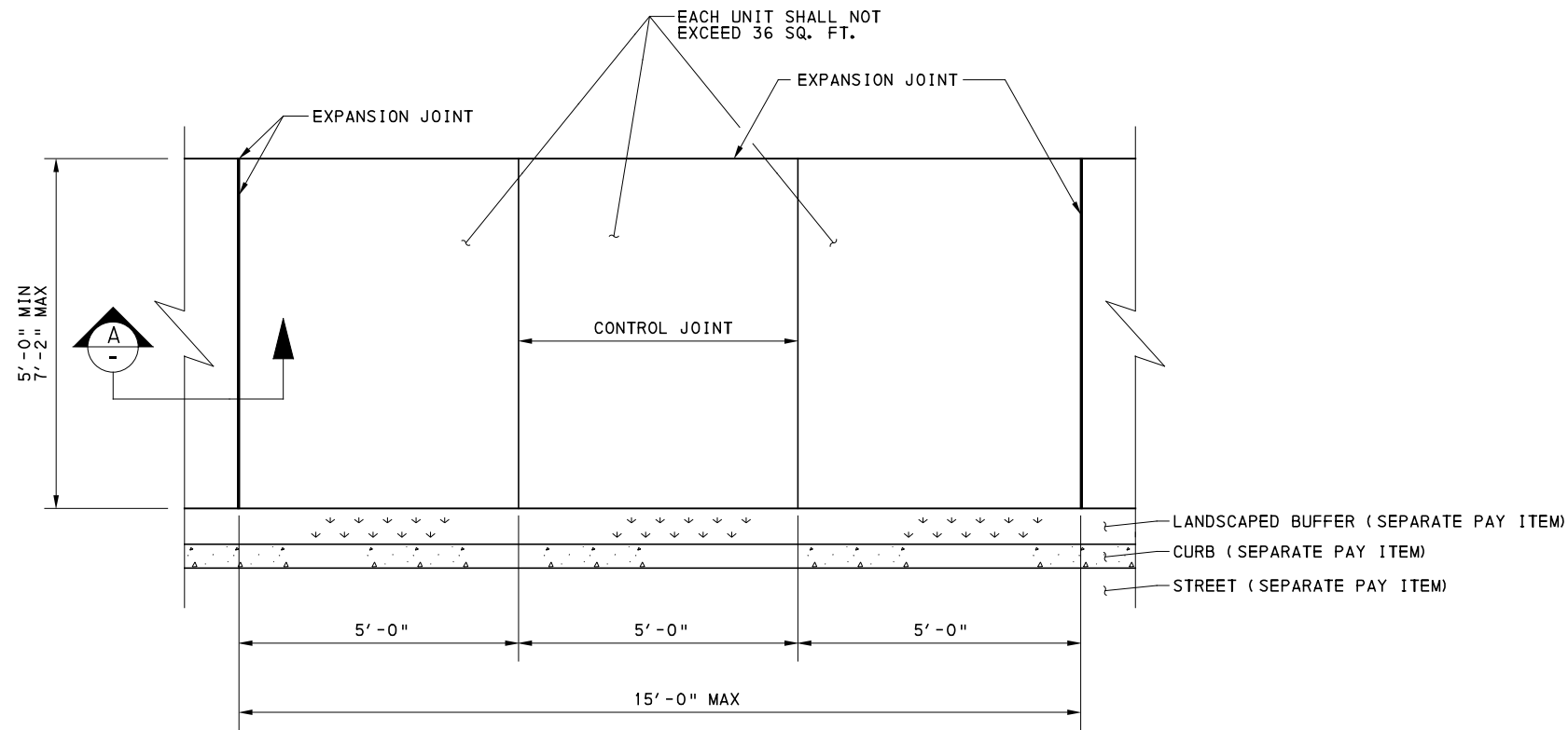
DESIGNED	SDS
DRAWN	JMS
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

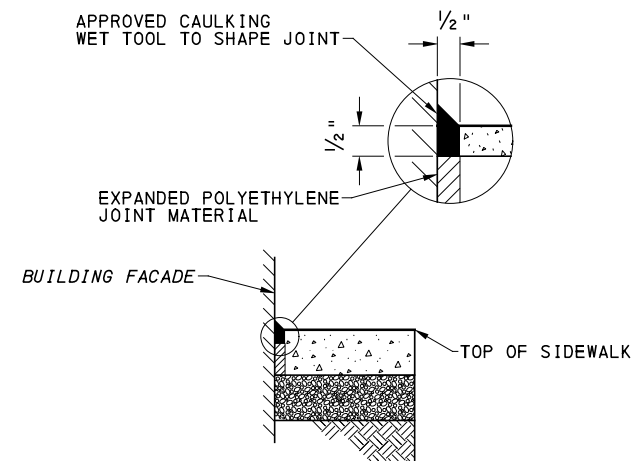
BUS RAPID TRANSIT UPTOWN TO OAKLAND
SPECIAL DETAILS
CONCRETE AND GRANITE CURB

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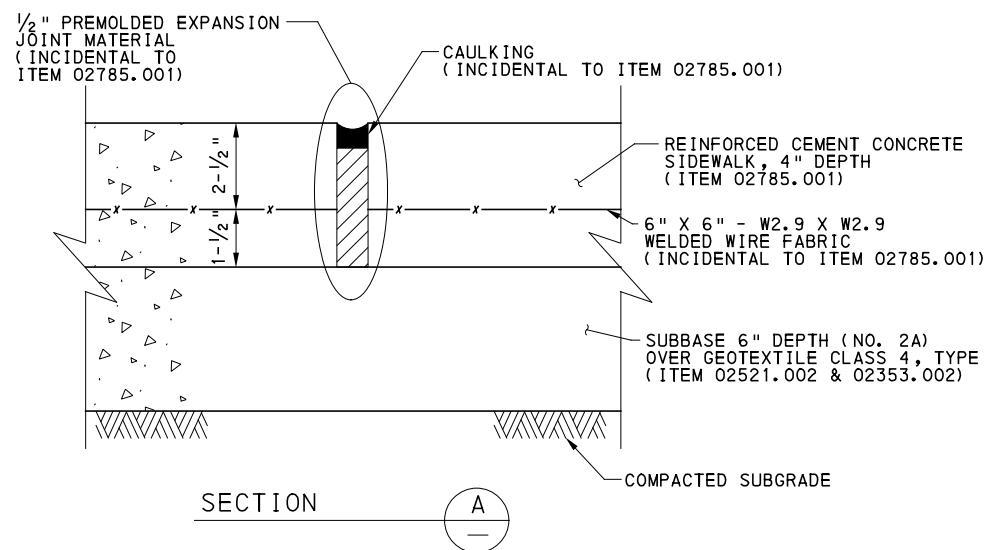
CONTRACT NO. BRT-001
DWG. NO. CV48 SHT. 123



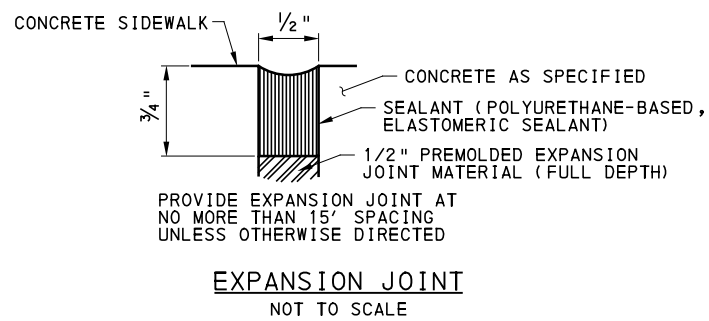
**REINFORCED CONCRETE SIDEWALK,
4" DEPTH DETAIL (ITEM 02785.001)**
NOT TO SCALE



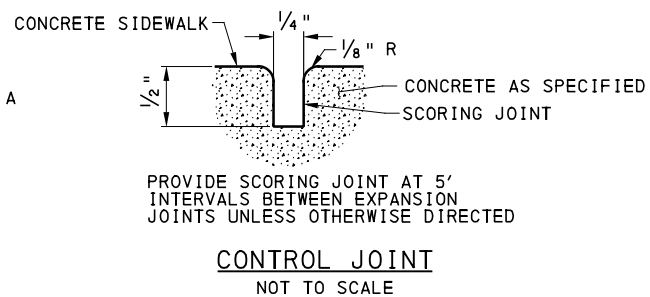
**TYPICAL EXPANSION JOINT
AT FACADE OF BUILDING**
NOT TO SCALE



SECTION
A



EXPANSION JOINT
NOT TO SCALE



CONTROL JOINT
NOT TO SCALE

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Pittsburgh, PA 15219

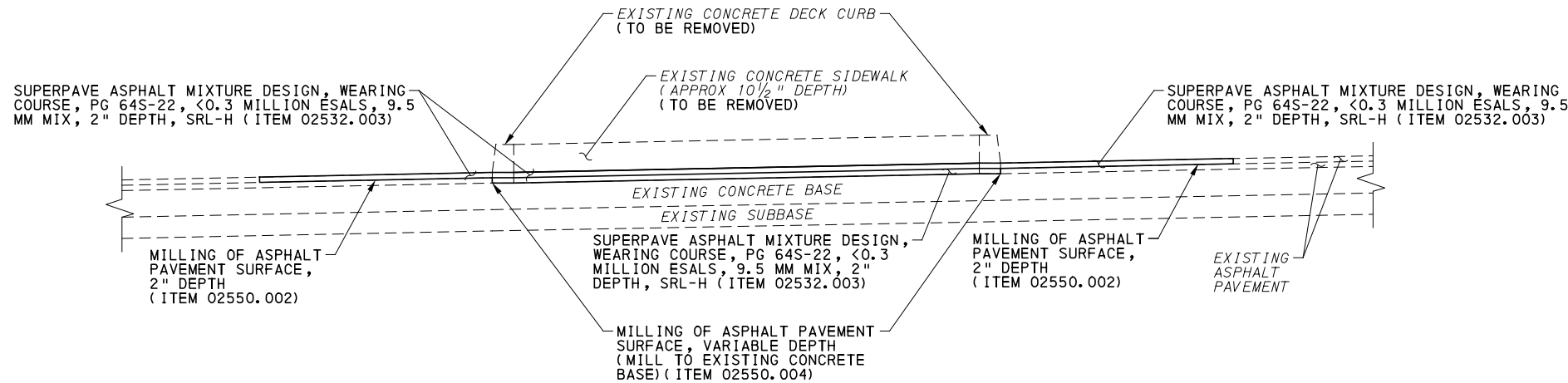
NO.	DATE	DESCRIPTION
REVISIONS		

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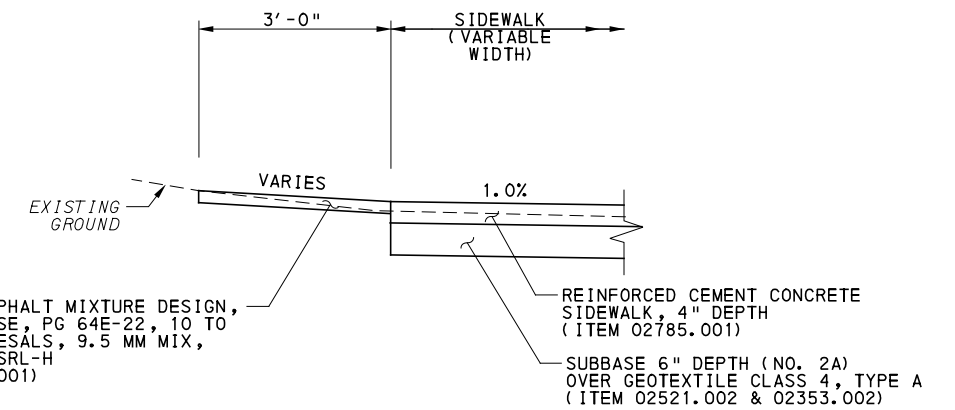
**(NOT FOR
CONSTRUCTION)**

DESIGNED	SDS
DRAWN	JMS
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

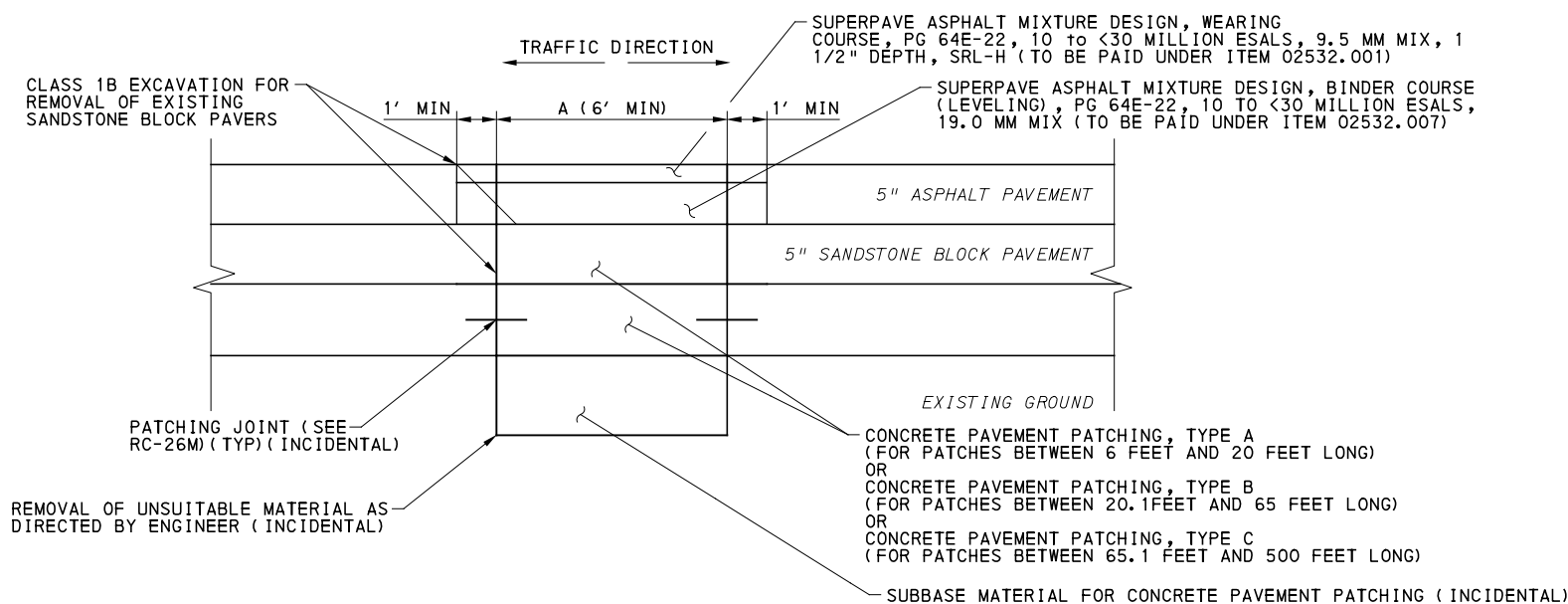
PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND SPECIAL DETAILS REINFORCED CONCRETE SIDEWALK AND JOINTS	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. CV49	SHT. 124



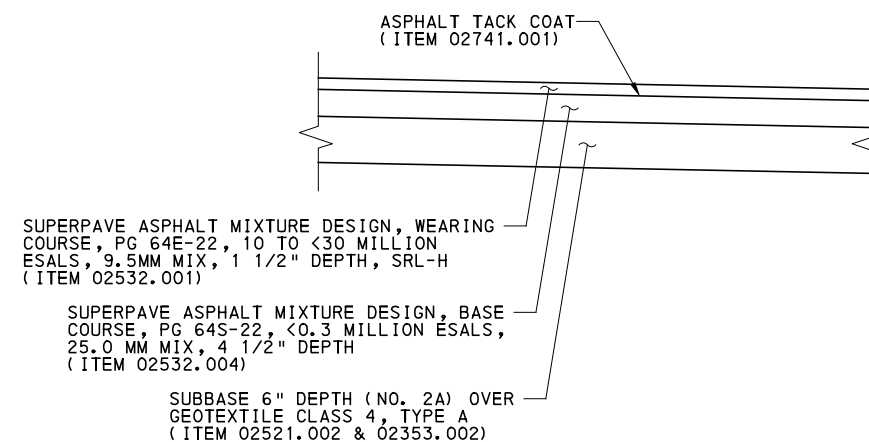
EXISTING ISLAND TO BE REMOVED DETAIL
 (SEE ROADWAY PLANS FOR LOCATIONS)
 NOT TO SCALE



PARKING LOT PAVEMENT PATCH
 NOT TO SCALE



ACCELERATED CONCRETE PAVEMENT PATCHING (ITEM 02755.001)
 (AS DIRECTED)
 NOT TO SCALE



KIRKPATRICK ST PARKING LOT PAVEMENT DETAIL
 NOT TO SCALE

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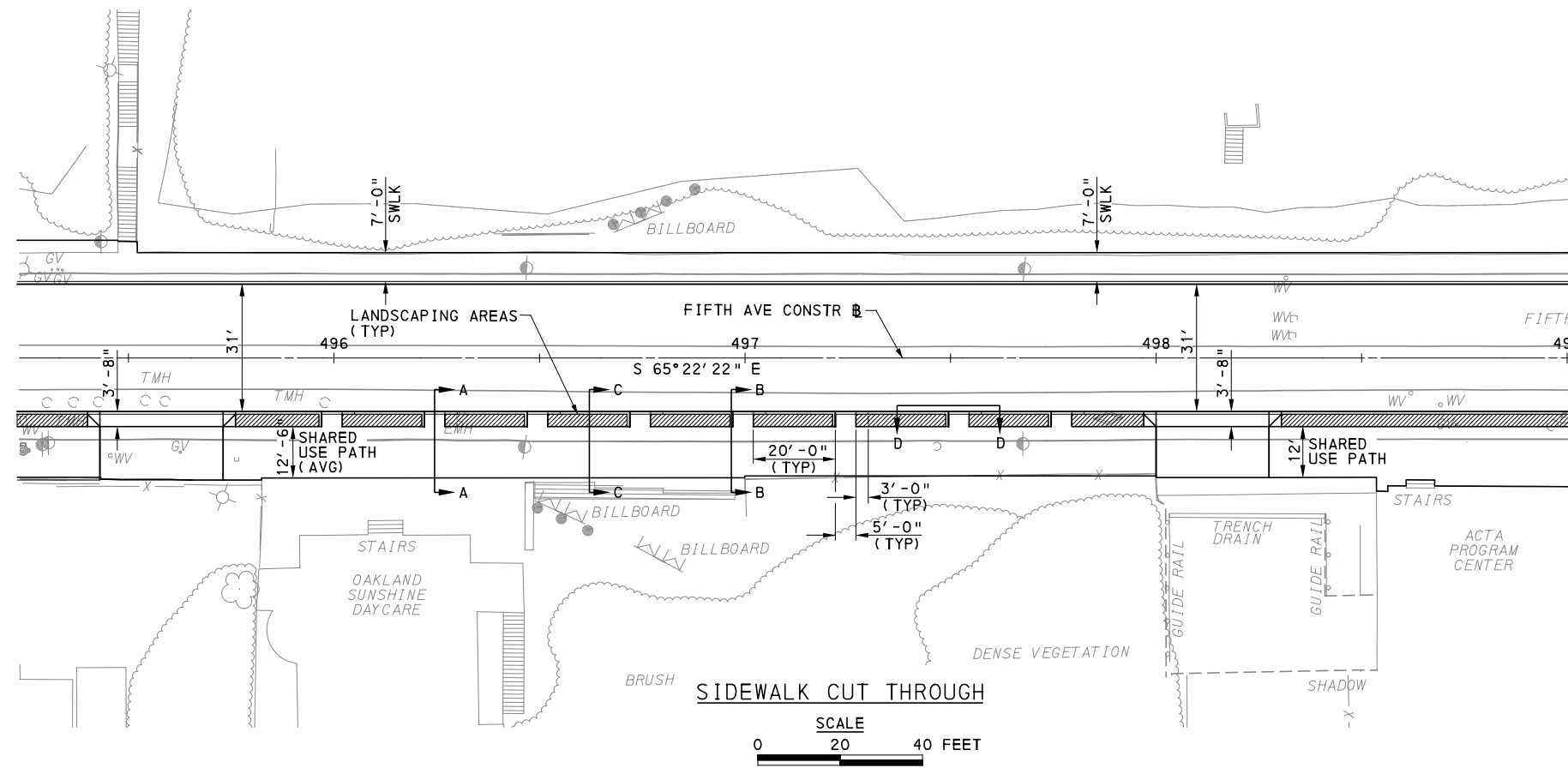
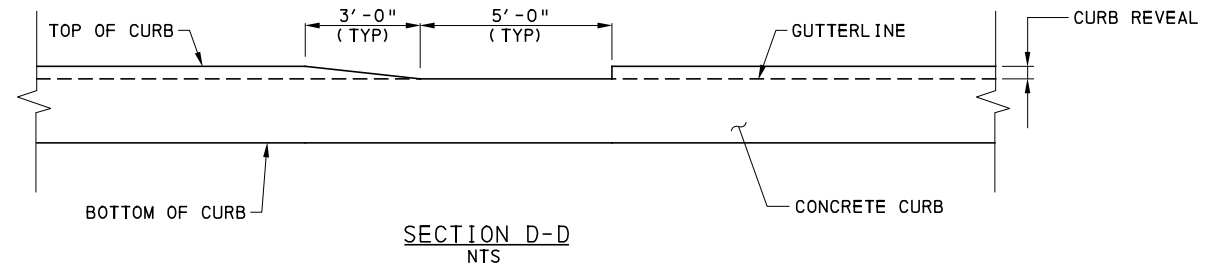
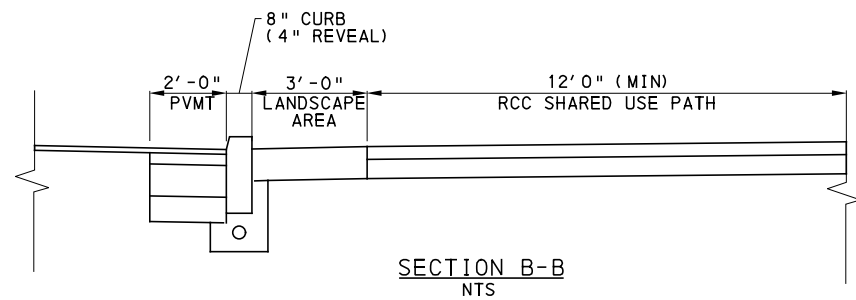
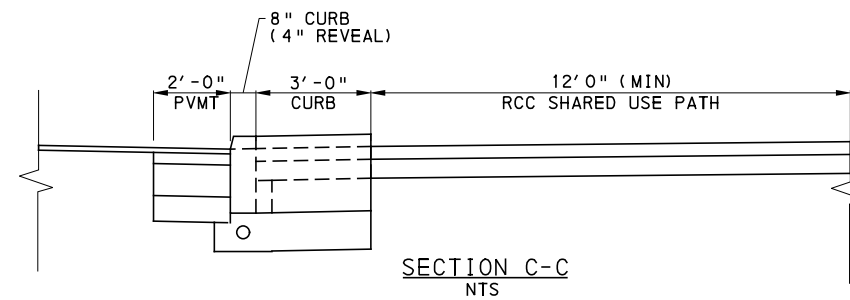
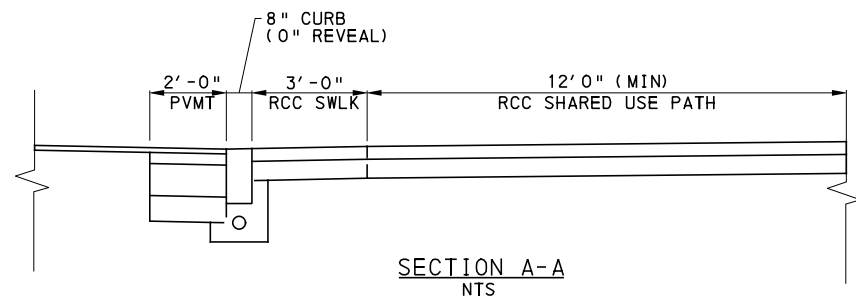
NO.	DATE	DESCRIPTION
REVISIONS		

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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND SPECIAL DETAILS ISLAND REMOVAL / PAVEMENT PATCHING	
Port Authority <small>connecting people to life™</small>	CONTRACT NO. BRT-001
	DWG. NO. CV50 SHT. 125



SCALE
 0 20 40 FEET



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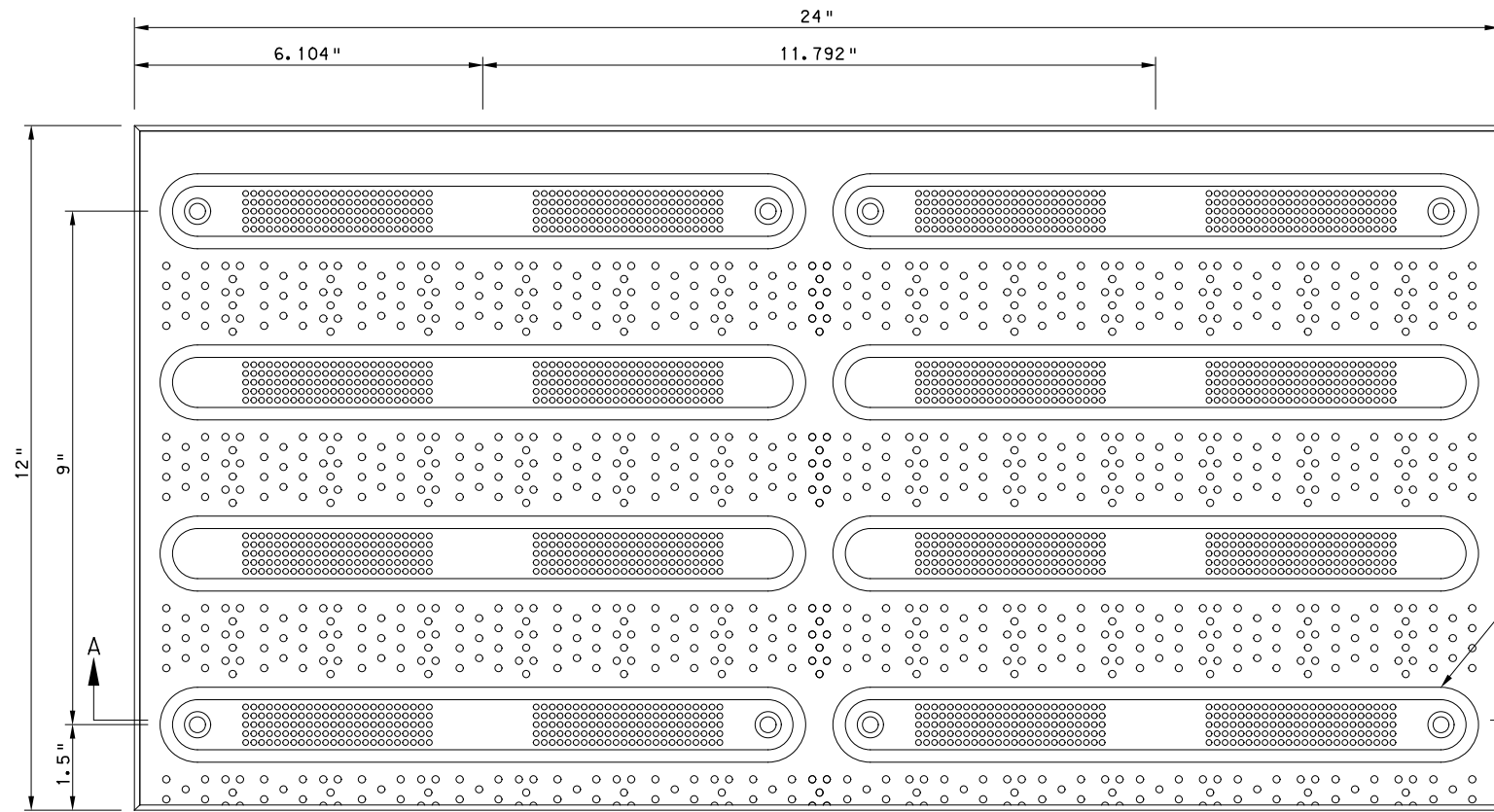
(NOT FOR CONSTRUCTION)

DESIGNED	SDS
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DATE	05/01/24
SCALE	AS SHOWN

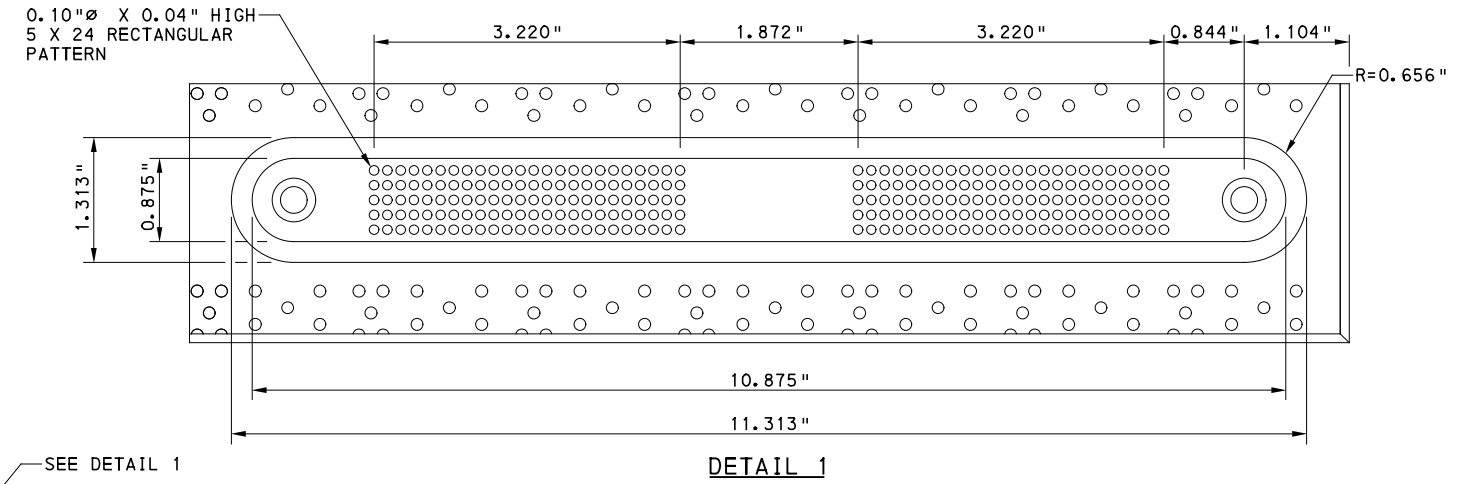
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 SPECIAL DETAILS
 SIDEWALK CUT THROUGH



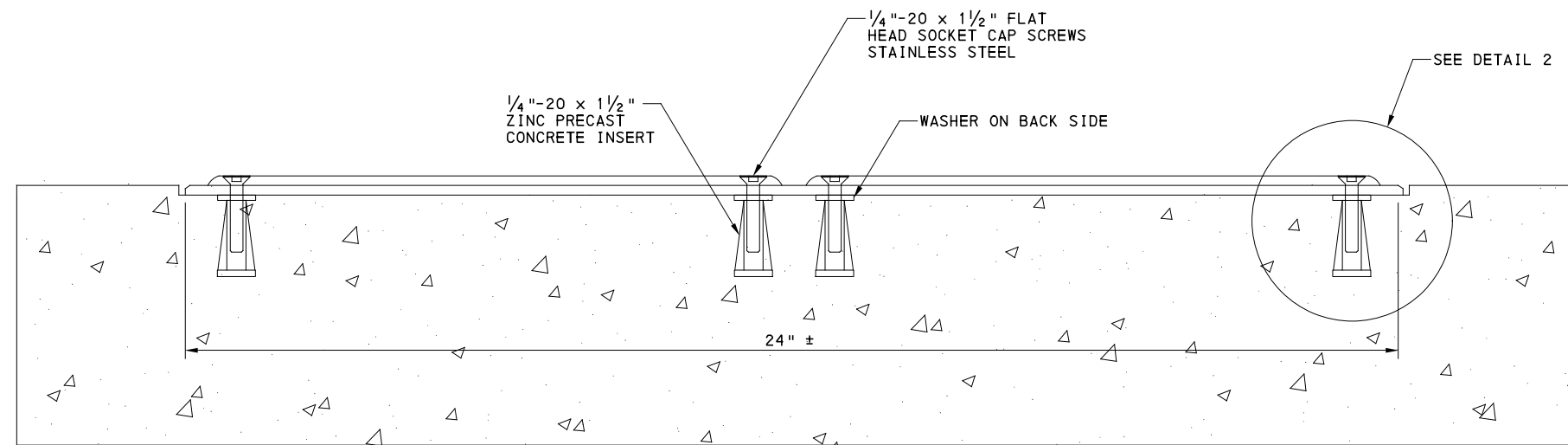
CONTRACT NO. BRT-001
 DWG. NO. CV51 SHT. 126



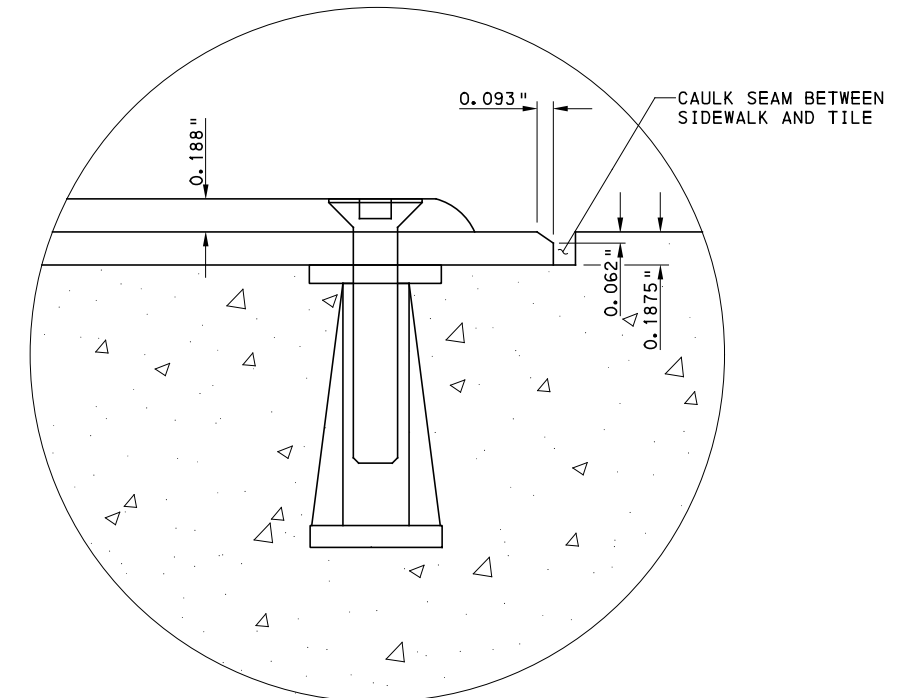
DIRECTIONAL INDICATOR PLAN
(INCIDENTAL TO ITEM 02785.001)
NOT TO SCALE



DETAIL 1



SECTION A-A



DETAIL 2



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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

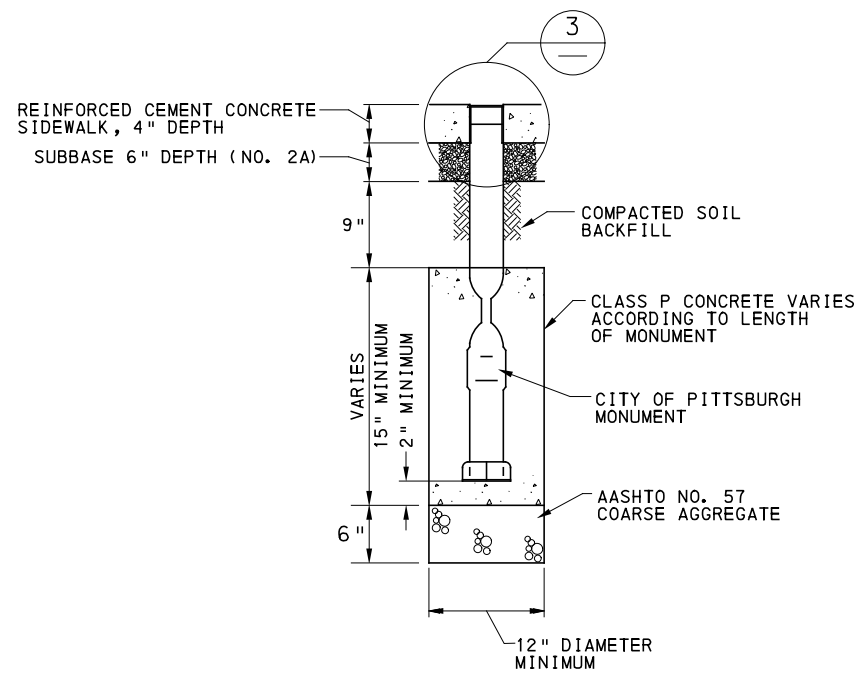
PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
SPECIAL DETAILS
DIRECTIONAL INDICATOR



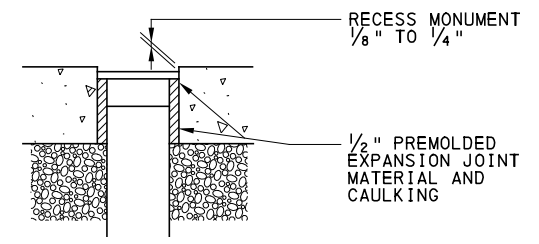
CONTRACT NO. BRT-001

DWG. NO. CV52 SHT. 127

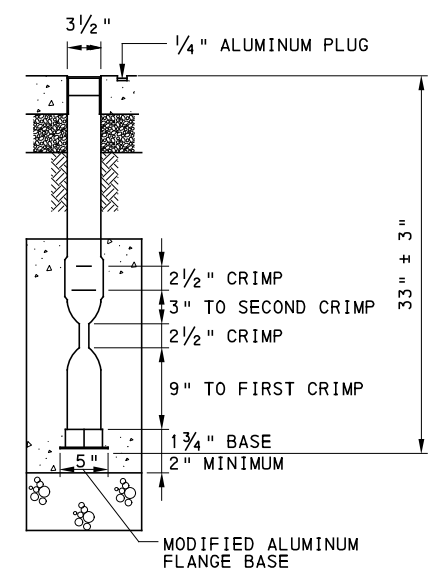


SECTION B

CITY OF PITTSBURGH SURVEY MONUMENT
NOT TO SCALE

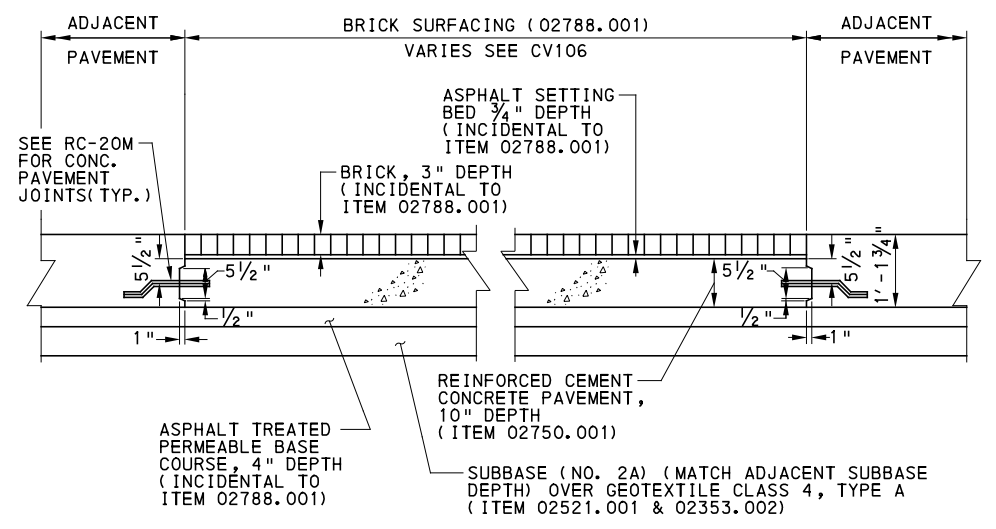


MONUMENT TOP DETAIL

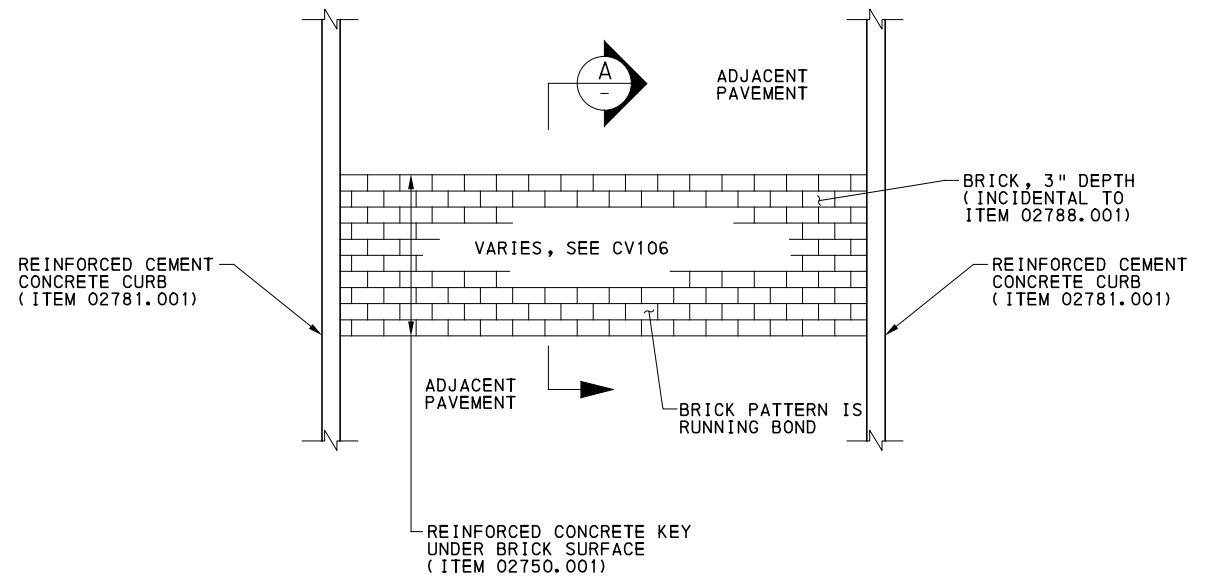


SECTION C

NOTE:
ALL DIMENSIONS SHOWN FOR CITY OF PITTSBURGH SURVEY MONUMENT ARE APPROXIMATE. THE ACTUAL MONUMENT THE CITY OF PITTSBURGH IS TO PROVIDE MAY VARY.



SECTION A



BRICK SURFACING DETAIL
(ITEM 02788.001)
NOT TO SCALE



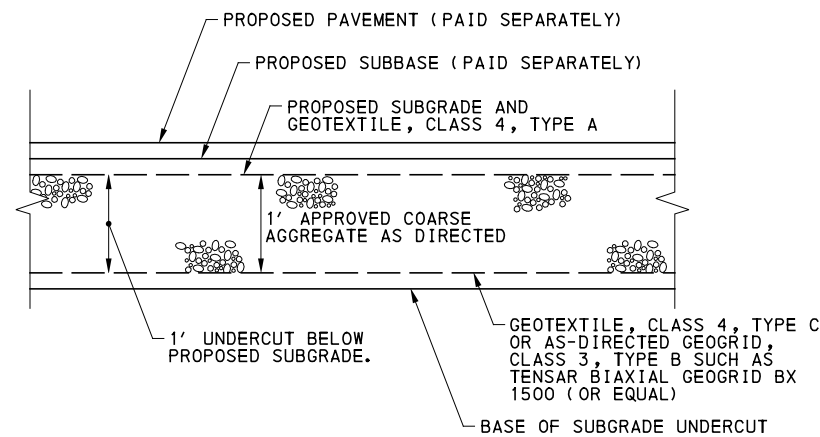
NO.	DATE	DESCRIPTION
REVISIONS		

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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND SPECIAL DETAILS SURVEY MONUMENT & BRICK SURFACING	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. CV53



SUBGRADE UNDERCUT DETAIL
NOT TO SCALE

SUBGRADE UNDERCUT, AS SPECIFIED (ITEM 02341.001)

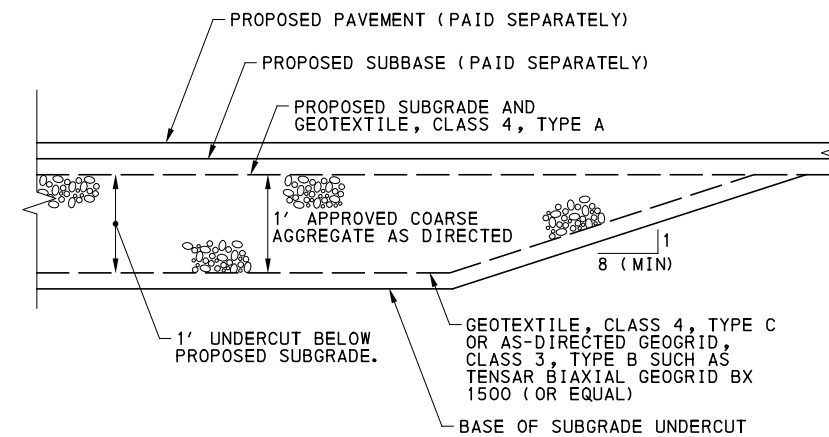
APPLIED LOCATION:
FIFTH AVENUE: STA 440+91 TO STA 449+17 LT

SUBGRADE UNDERCUT, AS DIRECTED (ITEM 02341.002)

APPLIED LOCATION:
AS DIRECTED

NOTES:

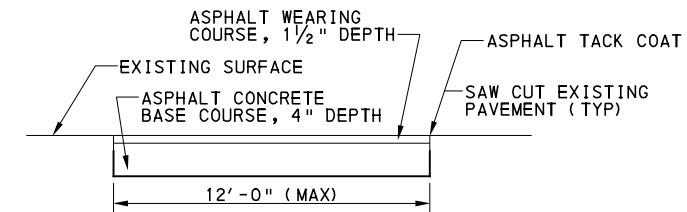
- PERFORM SPECIAL ROLLING TO DETERMINE WEAK SUBGRADE AREAS, SECTION 02342.
- PERFORM UNDERCUTTING EXCAVATION AS DIRECTED BY ENGINEER. DEPTH OF UNDERCUT 1 FOOT IN ACCORDANCE WITH THIS ITEM AND AS DIRECTED.
- GEOTEXTILE, CLASS 4 TYPE C TO BE USED WITH PERMANENT DEFLECTIONS FROM 0.5 TO 3 INCHES.
- USE GEOGRID, CLASS 3, TYPE B SUCH AS TENSAR BIAXIAL GEOGRID BX 1500 (OR EQUAL) FOR AS DIRECTED LOCATIONS WITH PERMANENT DEFLECTION GREATER THAN 3 INCHES.
- PLACE APPROVED COARSE AGGREGATE IN 8" MAX LIFTS.
- GEOTEXTILE, CLASS 4 TYPE A TO BE USED FOR LAYER SEPARATION.
- 8" OF APPROVED COARSE AGGREGATE OR 6" OF SUBBASE MATERIAL IS TO BE IN PLACE ON GEOTEXTILE OR GEOGRID BEFORE PERMITTING COMPACTION.



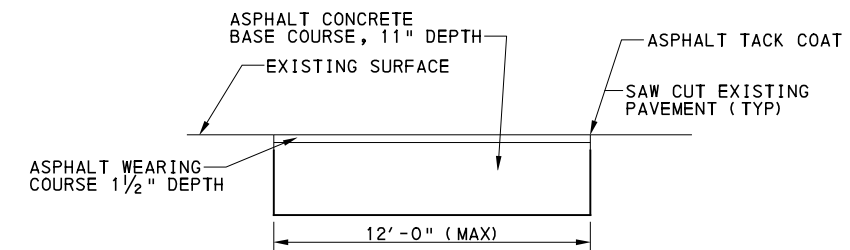
SUBGRADE UNDERCUT TRANSITION DETAIL
NOT TO SCALE

NOTE:

USE TRANSITION DETAIL AT EACH END OF SUBGRADE UNDERCUT (ITEM 02341.001), AS DIRECTED.



SIDEWALK TRENCH RESTORATION (PIPE INSTALLATION), TEMPORARY
NOT TO SCALE
INCIDENTAL TO TRENCH RESTORATION 02615.001



ROADWAY TRENCH RESTORATION (PIPE INSTALLATION), TEMPORARY
NOT TO SCALE
INCIDENTAL TO TRENCH RESTORATION 02615.001



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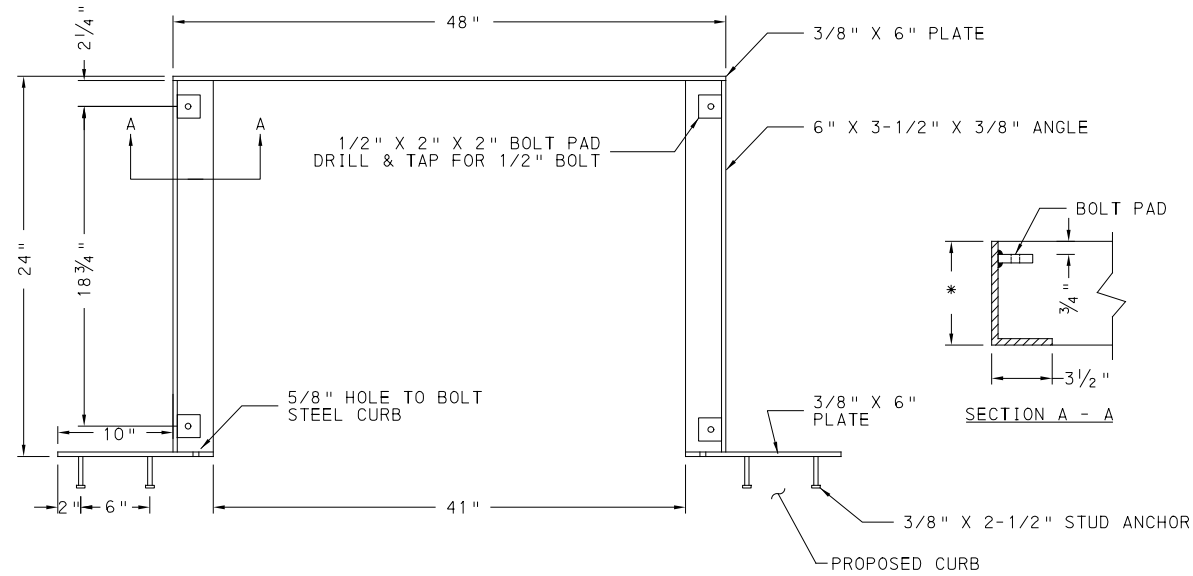
NO.	DATE	DESCRIPTION
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(NOT FOR CONSTRUCTION)

DESIGNED	SDS
DRAWN	JMS
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

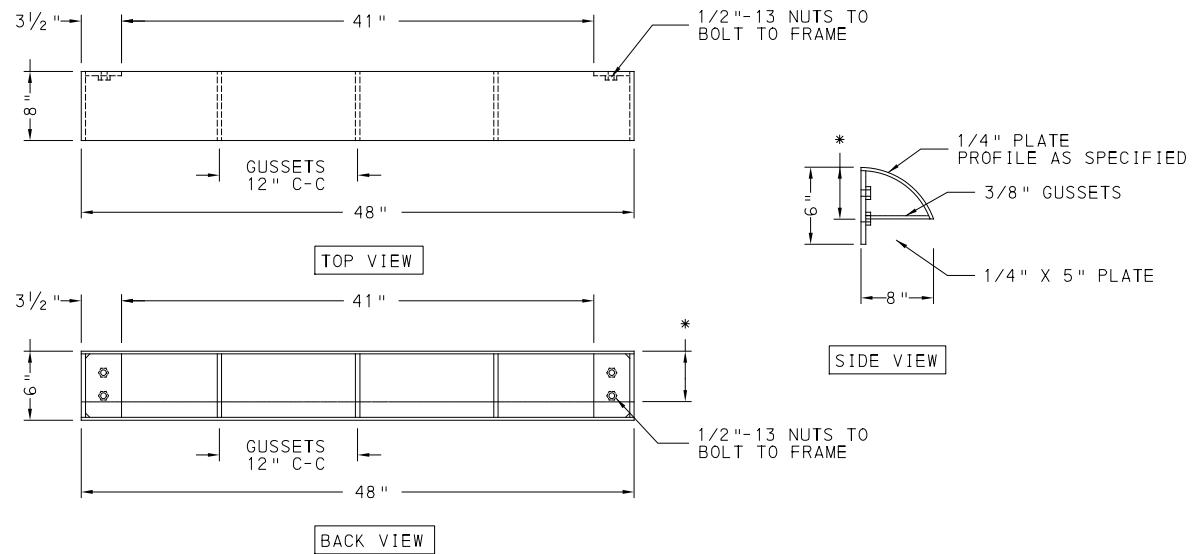
PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND SPECIAL DETAILS SUBGRADE UNDERCUT / TRENCH RESTORATION	
Port Authority connecting people to life™	
CONTRACT NO. BRT-001	
DWG. NO.	CV54
SHT.	129



NOTES :

- 1.) ALL MATERIAL SHALL BE HOT ROLLED STEEL.
- 2.) FRAME SHALL BE HOT DIP GALVANIZED PER ASTM A123 AFTER FABRICATION.
- 3.) COVER SHALL BE BOLTED TO FRAME WITH FOUR 1/2"-13 STAINLESS STEEL PENTA-HEAD BOLTS. CURB SHALL BE BOLTED TO FRAME WITH FOUR 1/2"-13 STAINLESS STEEL HEX-HEAD BOLTS.

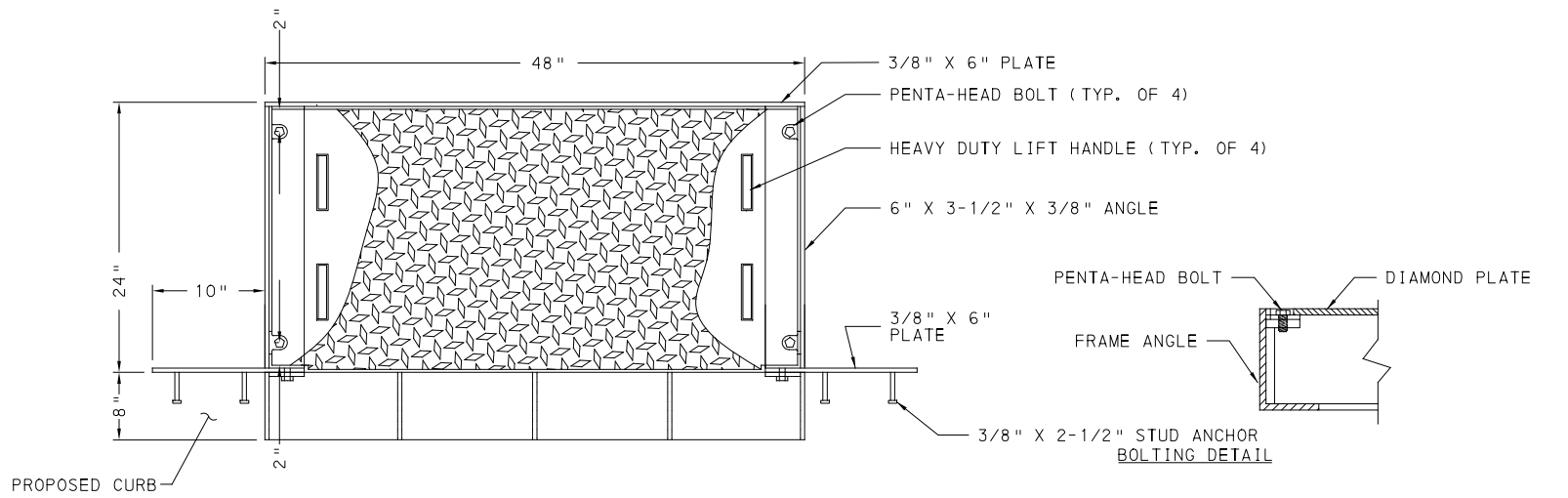
* VARIES BY ADJACENT CURB REVEAL



NOTES :

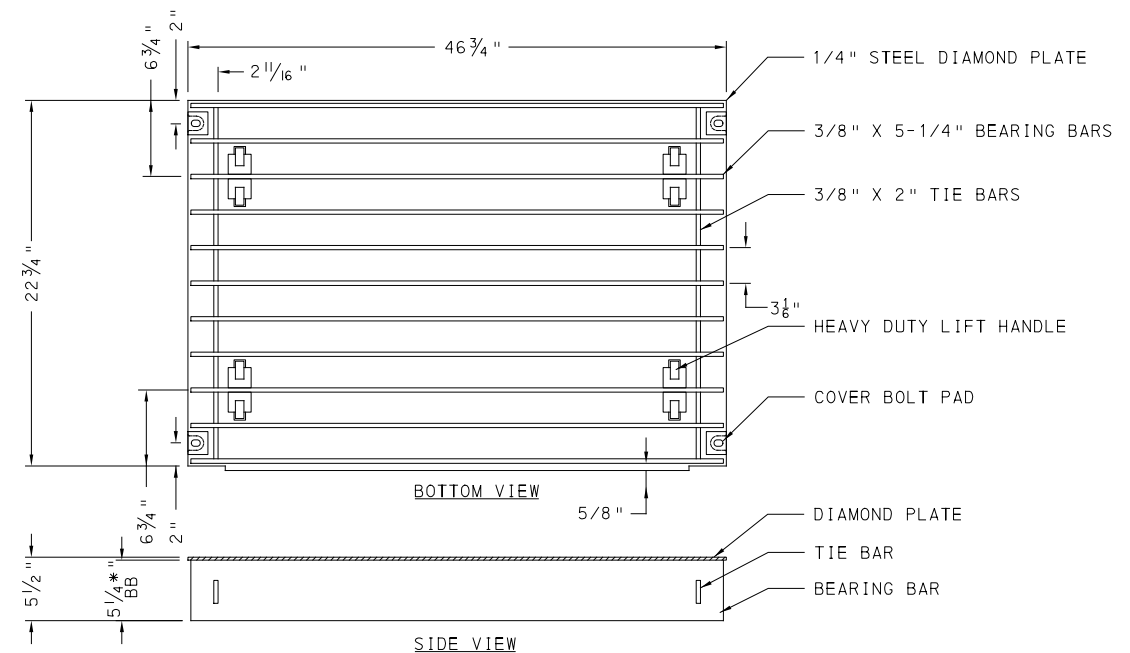
- 1.) ALL MATERIAL SHALL BE HOT ROLLED STEEL.
- 2.) CURB SHALL BE HOT DIP GALVANIZED PER ASTM A123 AFTER FABRICATION.
- 3.) CURB SHALL BE BOLTED TO FRAME WITH FOUR 1/2"-13 STAINLESS STEEL HEX-HEAD BOLTS.
- 4.) THIS UNIT DESIGNED TO WITHSTAND H20 WHEEL LOADS WHERE NOT SUBJECT TO HIGH DENSITY TRAFFIC.

* VARIES BY ADJACENT CURB REVEAL



NOTES :

- 1.) ALL MATERIAL SHALL BE HOT ROLLED STEEL. BEARING BARS FOR COVER SHALL CONFORM TO ASTM A572 GR. 50.
- 2.) COMPLETE UNIT SHALL BE HOT DIP GALVANIZED PER ASTM A123 AFTER FABRICATION.
- 3.) COVER SHALL BE BOLTED TO FRAME WITH FOUR 1/2"-13 STAINLESS STEEL PENTA-HEAD BOLTS. CURB SHALL BE BOLTED TO FRAME WITH FOUR 1/2"-13 STAINLESS STEEL HEX-HEAD BOLTS.
- 4.) THIS COVER DESIGNED TO WITHSTAND HS20 WHEEL LOADS WHERE NOT SUBJECT TO HIGH DENSITY TRAFFIC.



NOTES :

- 1.) ALL MATERIAL SHALL BE HOT ROLLED STEEL. BEARING BARS SHALL CONFORM TO ASTM A572 GR. 50.
- 2.) COVER SHALL BE HOT DIP GALVANIZED PER ASTM A123 AFTER FABRICATION.
- 3.) COVER SHALL BE BOLTED TO FRAME WITH FOUR 1/2"-13 STAINLESS STEEL PENTA-HEAD BOLTS.
- 4.) THIS COVER DESIGNED TO WITHSTAND HS20 WHEEL LOADS WHERE NOT SUBJECT TO HIGH DENSITY TRAFFIC.

REMOVABLE CURB

NOT TO SCALE



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CHECKED	SS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

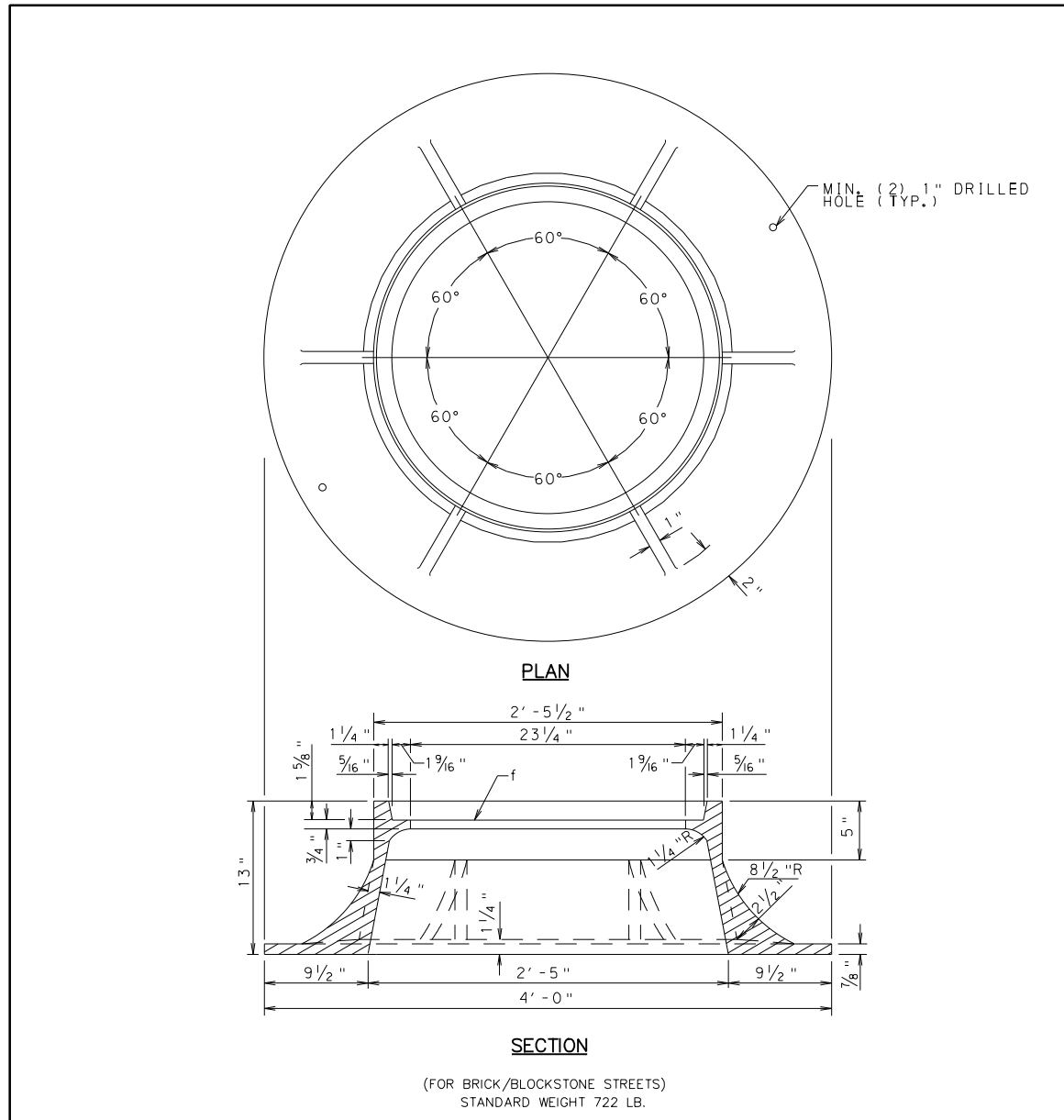
PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
SPECIAL DETAILS
REMOVABLE CURB



CONTRACT NO. BRT-001

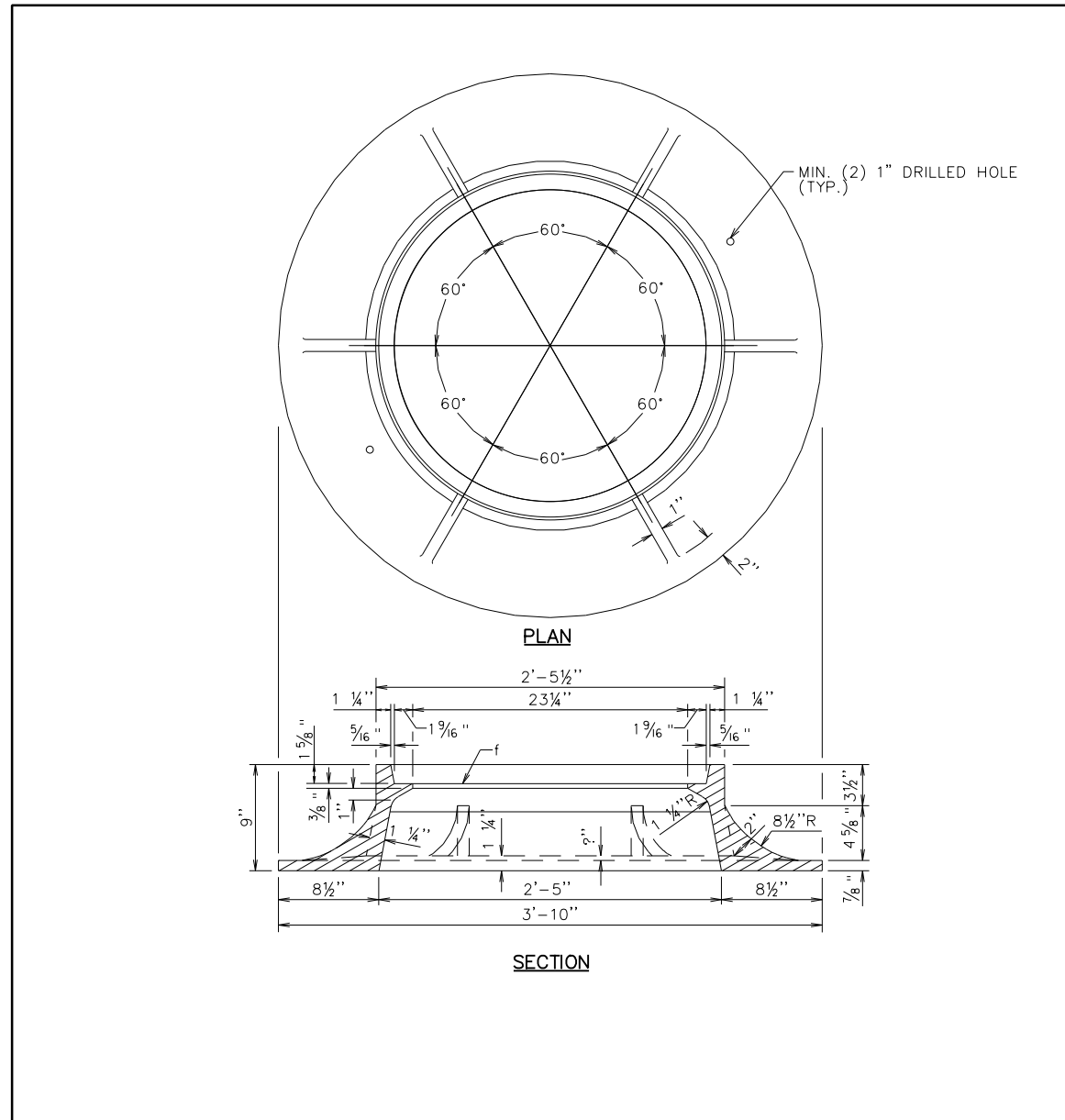
DWG. NO. CV55 SHT. 130



NOTES:

1. FRAMES AND COVERS MUST BE MACHINED TO INSURE GOOD BEARING AND PROPER FIT IN ANY POSITION.
2. CAST IRON SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR GRAY IRON CASTINGS, ASTM DESIGNATION: A48 CLASS No. 30B GRADE MINIMUM STRENGTH.

R E V I S I O N S		The Pittsburgh Water and Sewer Authority MANHOLE FRAME CASTING (CITY OF PGH / PWSA No. 23)	
		Scale: N.T.S.	Supplemental Detail Drawing: MFC23
		\$FILENAME\$	
Approved by:			



NOTES:

1. FRAMES AND COVERS MUST BE MACHINED TO INSURE GOOD BEARING AND PROPER FIT IN ANY POSITION.
2. CAST IRON SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR GRAY IRON CASTINGS, ASTM DESIGNATION: A48 CLASS No. 30B GRADE MINIMUM STRENGTH.

R E V I S I O N S		The Pittsburgh Water and Sewer Authority MANHOLE FRAME CASTING (CITY OF PGH / PWSA No. 26)	
		Scale: N.T.S.	Supplemental Detail Drawing: MFC26
Approved by:			



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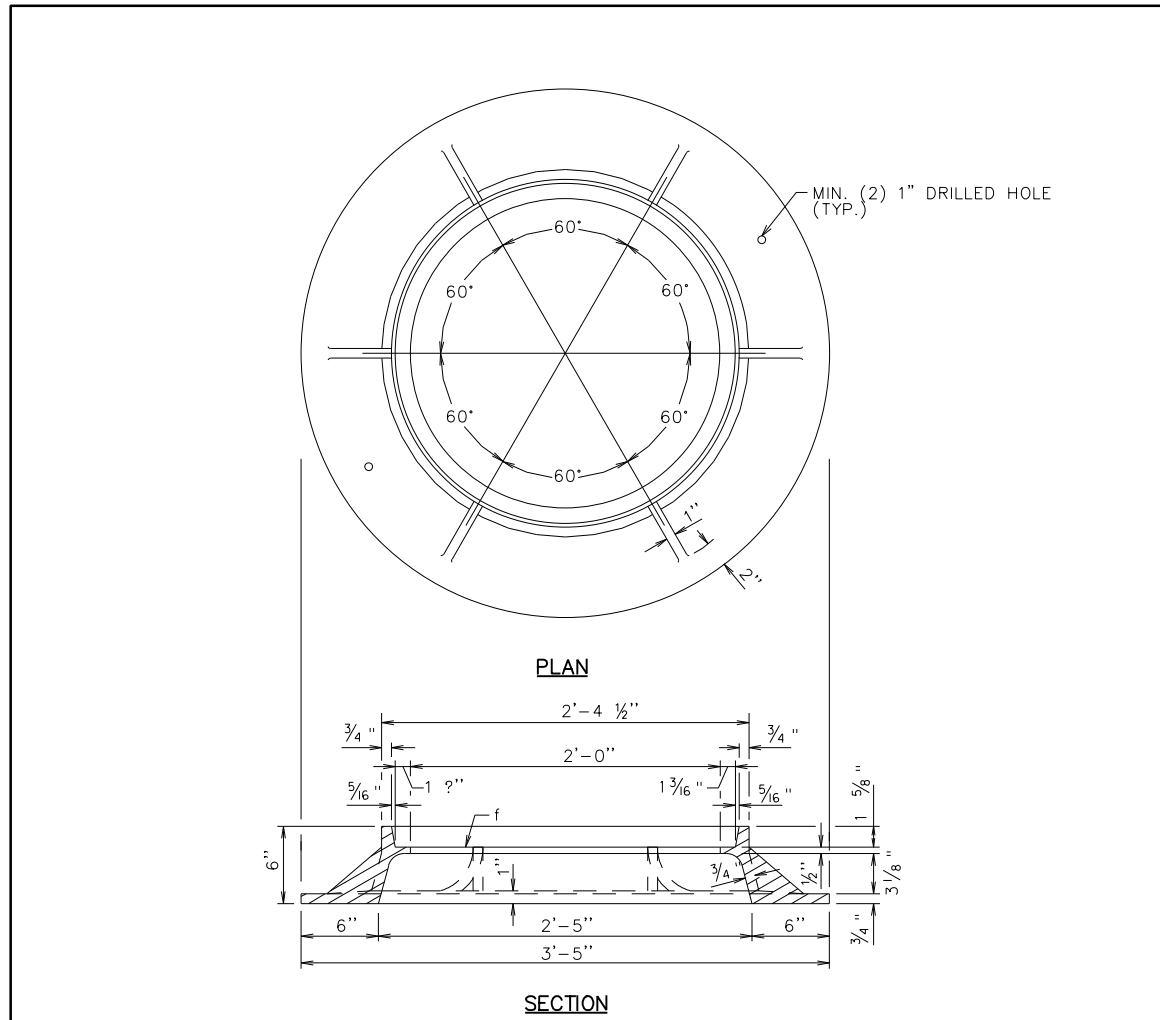
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SCALE	AS SHOWN

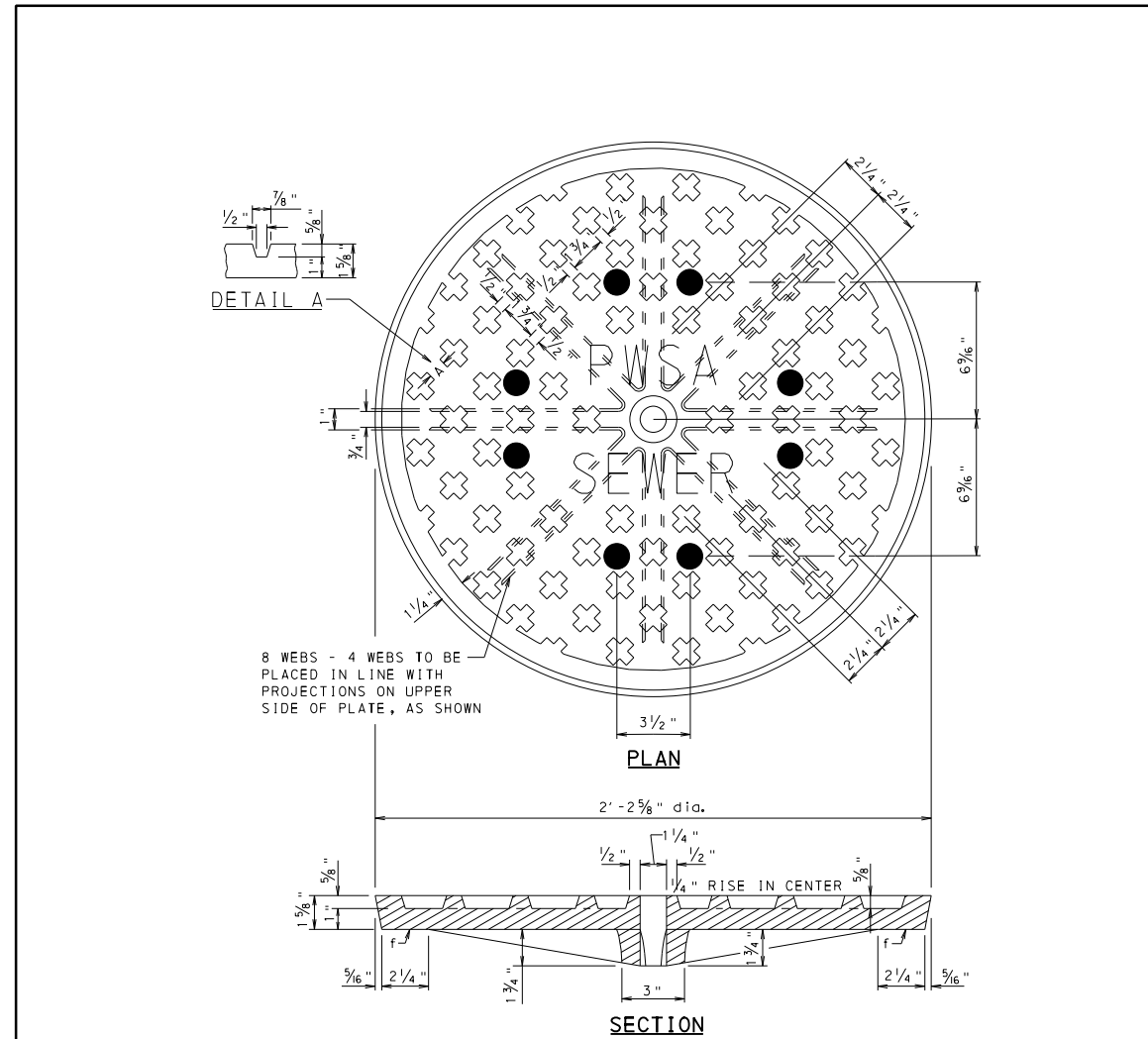
PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND SPECIAL DETAILS PWSA - MANHOLE FRAME CASTINGS	
Port Authority connecting people to life™	CONTRACT NO. BRT-001
DWG. NO. CV56	SHT. 131



NOTES:

1. FRAMES AND COVERS MUST BE MACHINED TO INSURE GOOD BEARING AND PROPER FIT IN ANY POSITION.
2. CAST IRON SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR GRAY IRON CASTINGS, ASTM DESIGNATION: A48 CLASS No. 30B GRADE MINIMUM STRENGTH.

R E V I S I O N S		The Pittsburgh Water and Sewer Authority MANHOLE FRAME CASTING (CITY OF PGH / PWSA No. 65)	
		Scale: N.T.S.	Supplemental Detail Drawing: MFC65
Approved by:			



NOTES:

1. 2" HIGH LETTERING SHALL NOTE "PWSA" AND "SEWER" FOR ALL COMBINATION AND SANITARY SEWERS. FOR STORM ONLY SEWERS, CHANGE THE LABEL 'SEWER' TO 'STORM'.
2. FRAMES AND COVERS MUST BE MACHINED TO INSURE GOOD BEARING AND PROPER FIT IN ANY POSITION.
3. VENT HOLES IN LID REQUIRED FOR COMBINATION AND SANITARY SEWERS (AS DIRECTED). VENT HOLES IN LID FOR STORM SEWERS ARE OPTIONAL.
4. CAST IRON SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR GRAY IRON CASTINGS, ASTM DESIGNATION: A48 CLASS No. 30B MINIMUM STRENGTH.

R E V I S I O N S		The Pittsburgh Water and Sewer Authority Sewer Manhole Cover Casting	
		Scale: N.T.S.	Supplemental Detail Drawing: SMHCOV
Approved by:			



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5th Floor
Pittsburgh, PA 15219

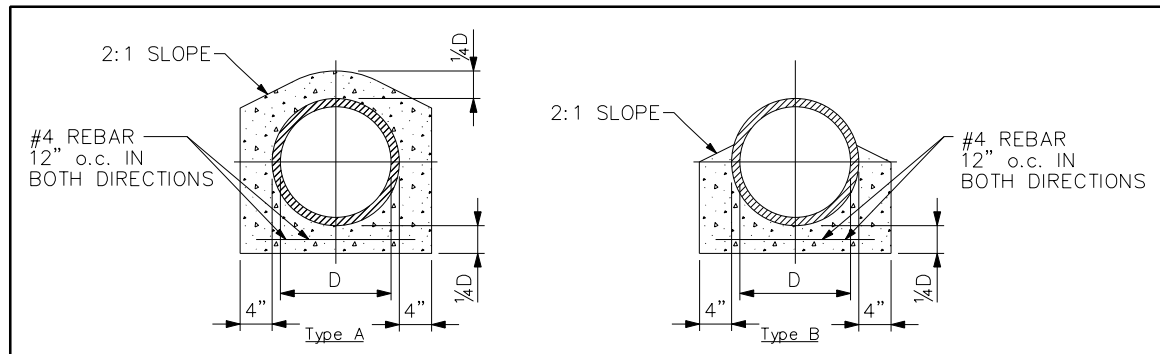
NO.	DATE	DESCRIPTION
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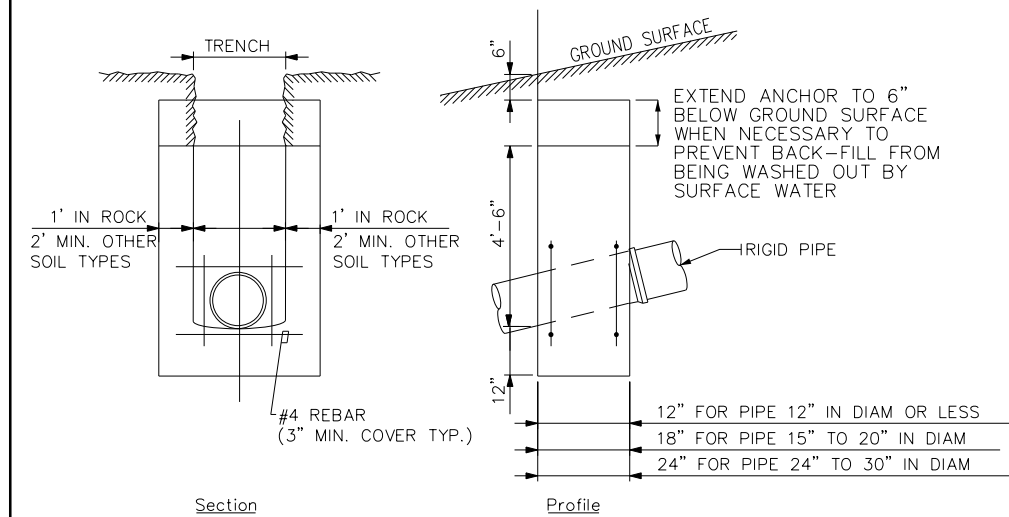
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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
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Port Authority connecting people to life™	CONTRACT NO. BRT-001
DWG. NO. CV57	SHT. 132



CONCRETE ENCASEMENT REINFORCEMENT CONCRETE CRADLE REINFORCEMENT

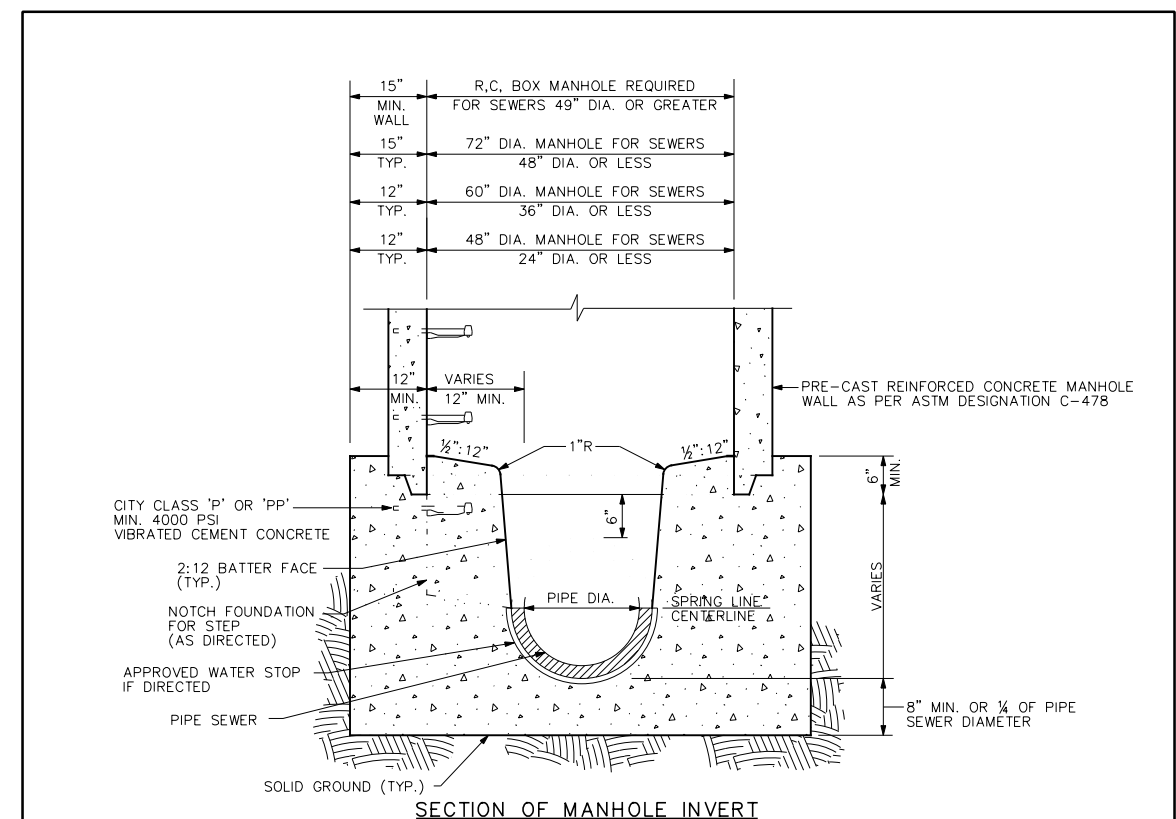


CONCRETE ANCHORS

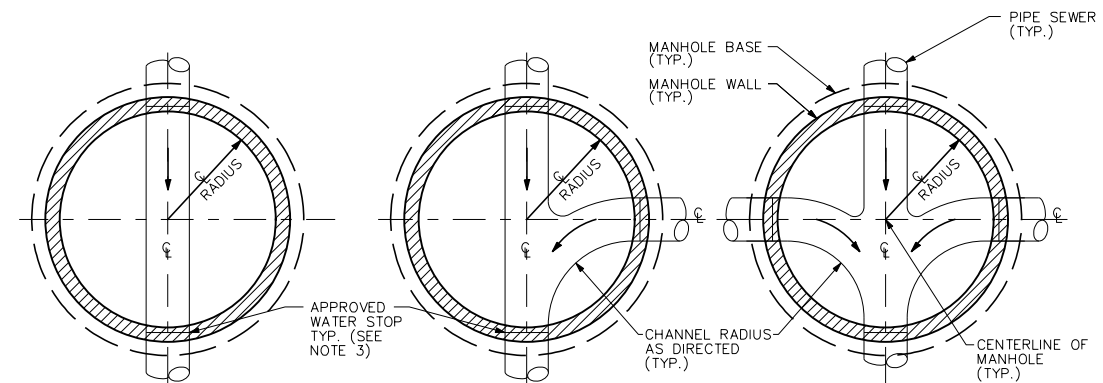
NOTES:

1. CEMENT CONCRETE REINFORCEMENT SHALL BE MINIMUM 28 DAY, VIBRATED, 4000# AIR-ENTRAINED.
2. DETAILS SHOWN ARE FOR MINIMUM GENERAL CONDITIONS. SPECIFIC CERTAIN SOIL CONDITIONS MAY REQUIRE ADDITIONAL ENGINEERING REINFORCEMENT DESIGN.
3. CONCRETE ANCHORS FOR RIGID PIPE ON STEEP GRADES:
 PROVIDE NO ANCHORS ON GRADES LESS THAN 24%
 PROVIDE ANCHORS 36' c. TO c. ON GRADES BETWEEN 24% AND 34%
 PROVIDE ANCHORS 24' c. TO c. ON GRADES BETWEEN 34% AND 50%
 PROVIDE ANCHORS 16' c. TO c. ON GRADES BETWEEN 50% AND 70%
 FOR CONDITIONS OTHER THAN SHOWN HERE, ANCHORS SHALL BE PROVIDED AS REQUIRED BY THE CONTRACT PLANS OR AS ORDERED IN THE FIELD BY THE DIRECTOR.

R E V I S I O N S		<p>The Pittsburgh Water and Sewer Authority Concrete Reinforcement For Rigid Pipe</p>
Approved by:		
Scale: N.T.S.	Supplemental Detail Drawing: WS-CE	



SECTION OF MANHOLE INVERT



PLAN VIEW OF MANHOLE INVERT - SINGLE, TWO-WAY, THREE-WAY

NOTES:

1. ADDITIONAL AND/OR ALTERNATE PIPE SEWER LAYOUT CONNECTIONS WILL BE APPROVED AS DIRECTED.
2. REINFORCED CEMENT CONCRETE BOX MANHOLE MAY BE ORDERED FOR MULTIPLE CONNECTIONS OR SPECIAL CONDITIONS, AS DIRECTED.
3. ALL PLASTIC PIPE SEWERS OR CONNECTIONS MUST HAVE APPROVED WATER STOPS OR FLEXIBLE BOOT TYPE CONNECTIONS, AS DIRECTED.
4. APPROVED MANHOLE STEPS REQUIRED IN BASE, MUST BE PER ASTM A615, C478, D4101 AND AASHTO M199. INSTALL MANHOLE STEPS AT 12" O.C. AND NOTCH FOUNDATION AS DIRECTED. PROPOSED STEPS SHALL NOT BE PLACED IN BARREL OF FLOW LINE.
5. CLASS A MANHOLES ARE 1-WAY WITH INVERT FORMED WITH SPLIT PIPE EMBEDDED IN CONCRETE. CLASS B MANHOLES ARE 2-WAY OR 3-WAY WITH INVERT MOULDED IN CONCRETE BASE.

R E V I S I O N S		<p>The Pittsburgh Water and Sewer Authority Cast-In-Place Manhole Invert</p>
Approved by:		
Scale: N.T.S.	Supplemental Detail Drawing: SA-2A	



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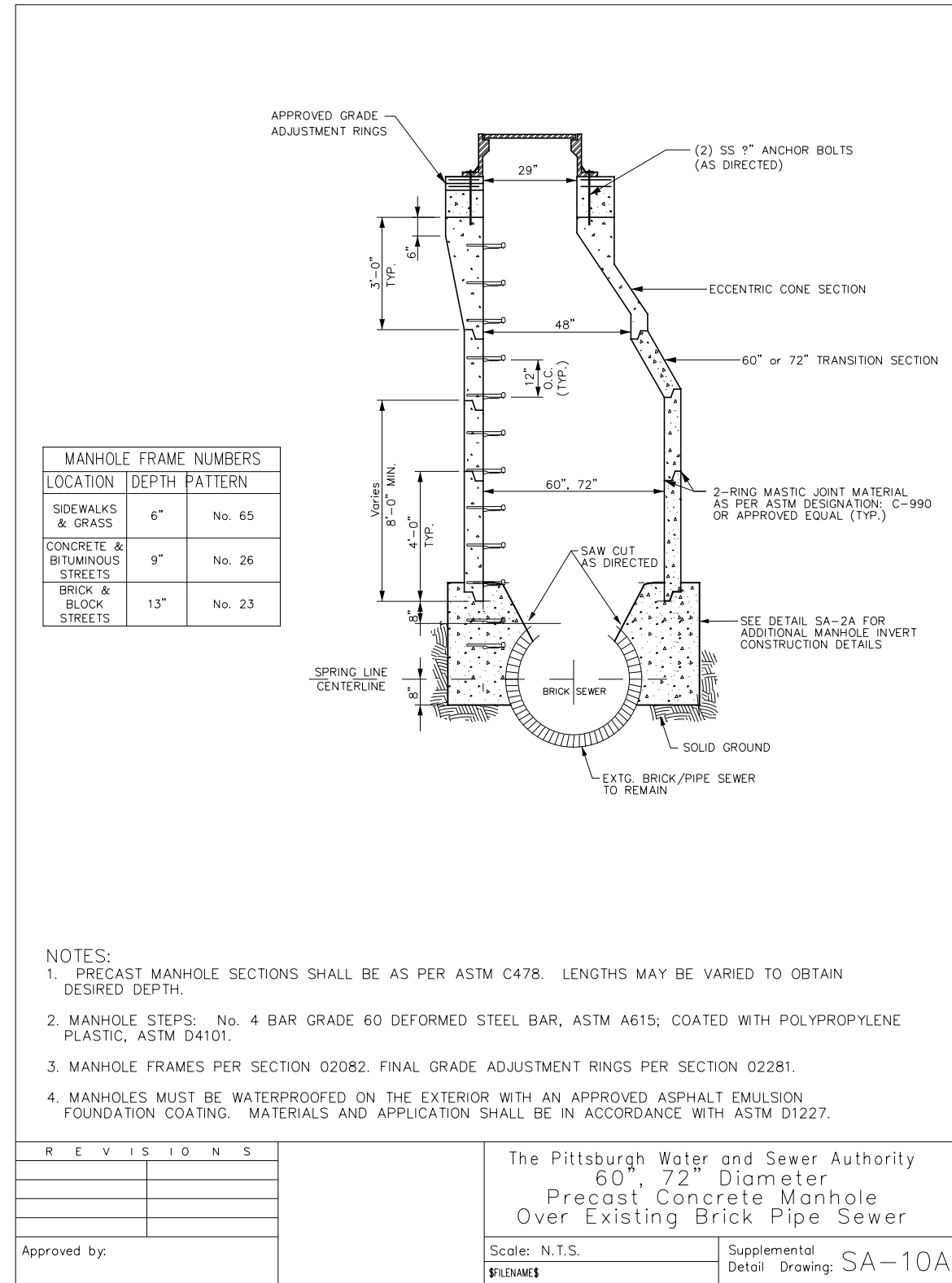
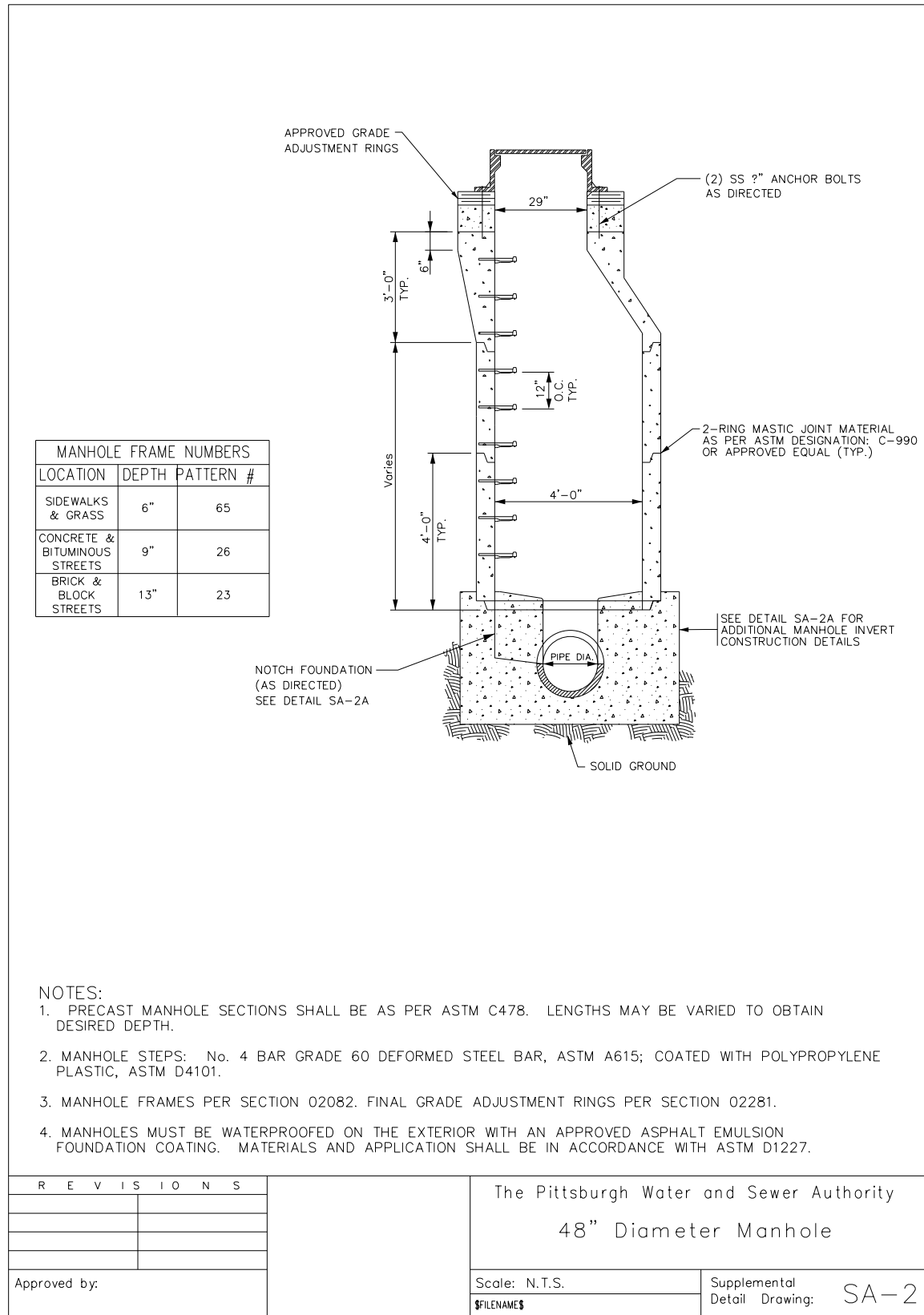
DESIGNED	JMS
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
SPECIAL DETAILS
PWSA - PIPE REINFORCEMENT & CIP MH INVERT

Port Authority connecting people to life®

CONTRACT NO. BRT-001
DWG. NO. CV59 SHT. 134



REVISIONS

The Pittsburgh Water and Sewer Authority
60", 72" Diameter
Precast Concrete Manhole
Over Existing Brick Pipe Sewer

Approved by: _____

Scale: N.T.S. Supplemental Detail Drawing: SA-10A

NOTE:
SA-10A TO BE PAID UNDER ITEM 20633.007
PWSA DOGHOUSE MANHOLE



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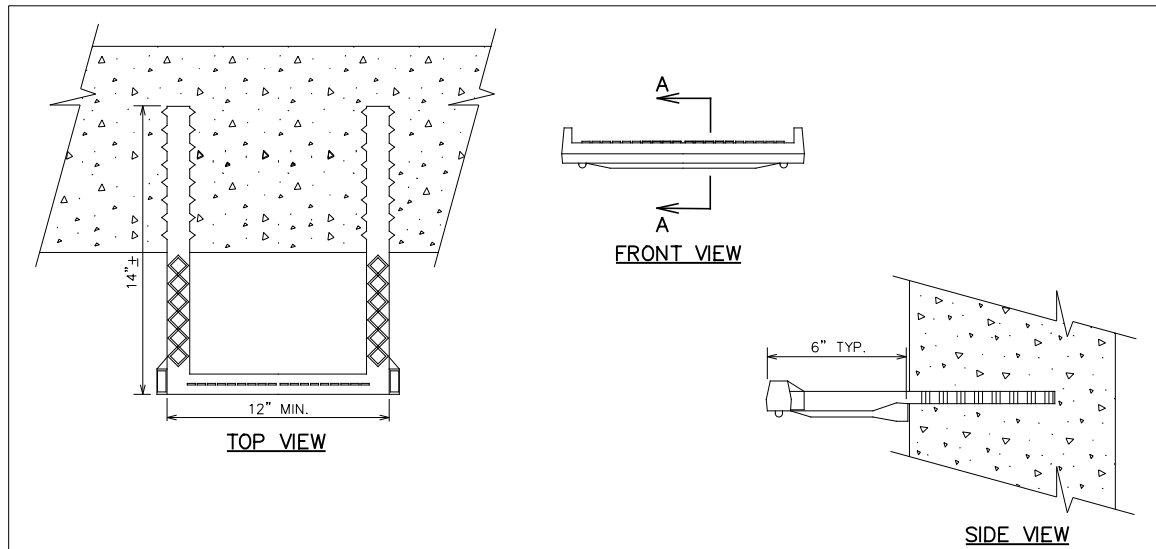
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PITTSBURGH PENNSYLVANIA

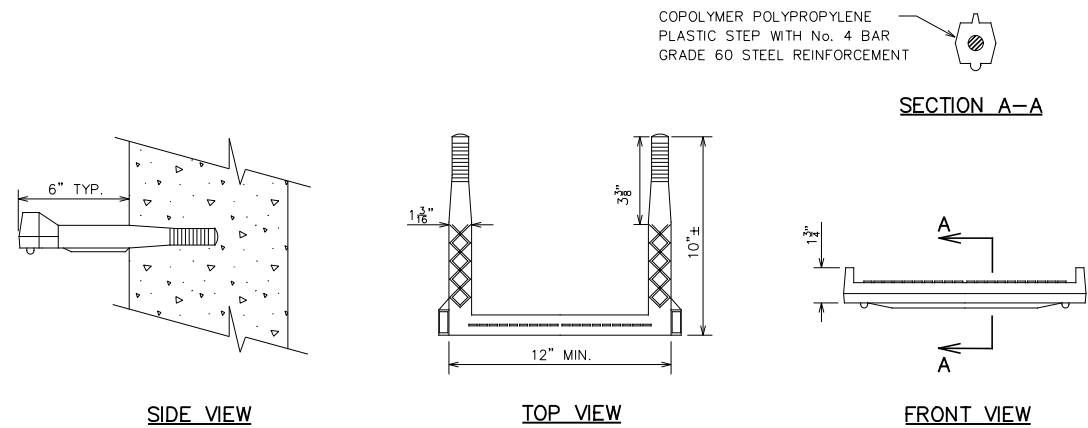
BUS RAPID TRANSIT UPTOWN TO OAKLAND
SPECIAL DETAILS
PWSA - MANHOLES

Port Authority connecting people to life®

CONTRACT NO. BRT-001
DWG. NO. CV60 SHT. 135



TYPE 1 CAST-IN-PLACE

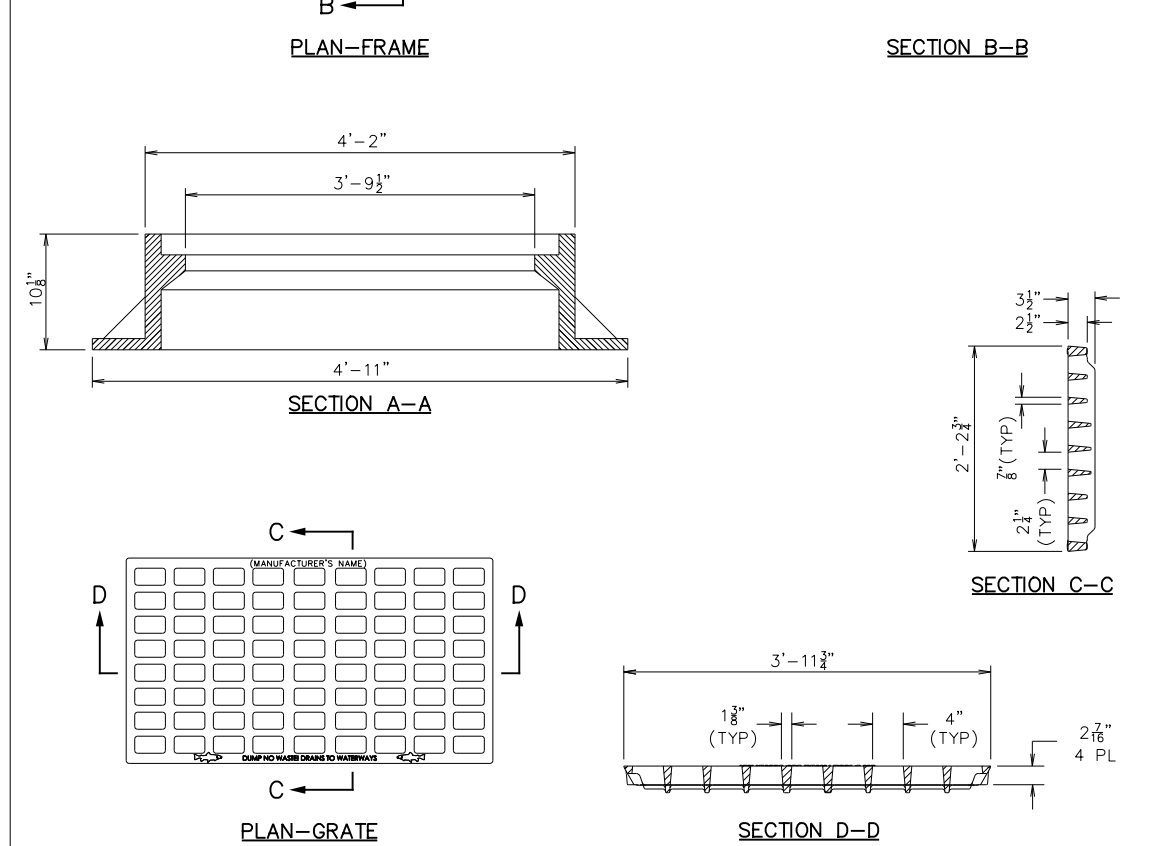
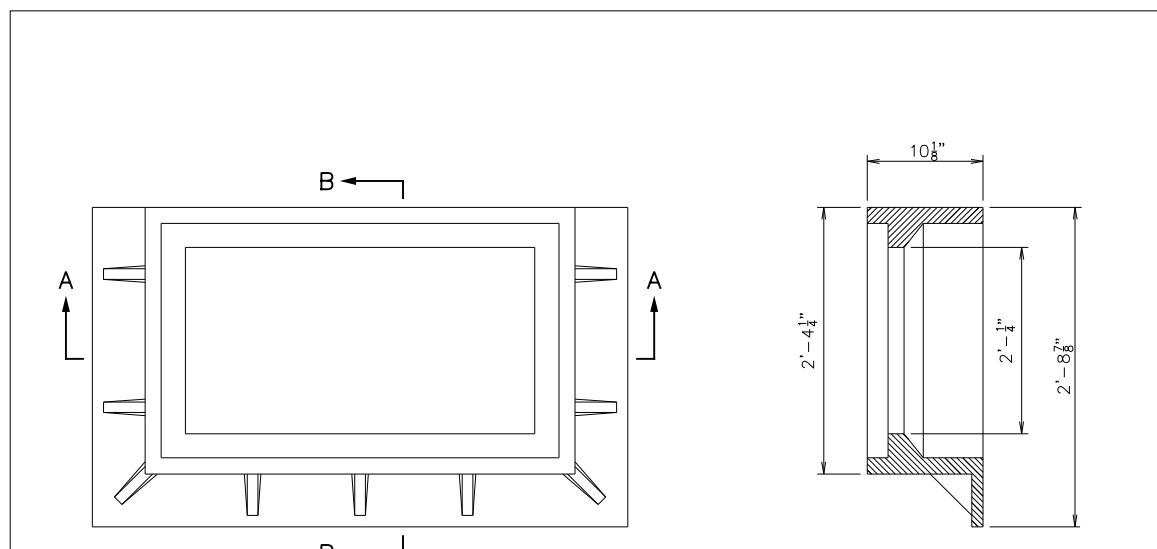


TYPE 2 PRE-DRILLED HOLE

NOTES:

1. TYPICAL STEPS, SPACING AND MATERIAL AS PER ASTM C478 AND AASHTO M199.
2. PLASTIC SHALL BE A COPOLYMER POLYPROPYLENE MEETING THE REQUIREMENTS OUTLINED IN ASTM D4101, TYPE II, GRADE 49108.
3. STEEL REINFORCING BAR SHALL BE No. 4 GRADE 60 DEFORMED STEEL BAR AND CONFORMING TO THE REQUIREMENTS OF ASTM A615.
4. USE TYPE 1 FOR CAST-IN-PLACE VAULTS. USE TYPE 2 FOR NEW PRECAST MANHOLES OR WHEN ADDING STEPS TO EXISTING STRUCTURES.
5. ALL STEPS SHALL BE SET VERTICALLY AT 12" O.C.

R E V I S I O N S		The Pittsburgh Water and Sewer Authority	
		Plastic Manhole Steps	
		Scale: N.T.S.	Supplemental Detail Drawing: SA-2B
Approved by:			



NOTES:

1. INLET FRAME AND GRATE AND ALL APPURTENANCES SHALL BE PER PWSA SPECIFICATION SECTION 02630.

R E V I S I O N S		The Pittsburgh Water and Sewer Authority	
		INLET FRAME AND GRATE	
		3-FLANGE CAST IRON	
		Scale: N.T.S.	Supplemental Detail Drawing: IFG
Approved by:			



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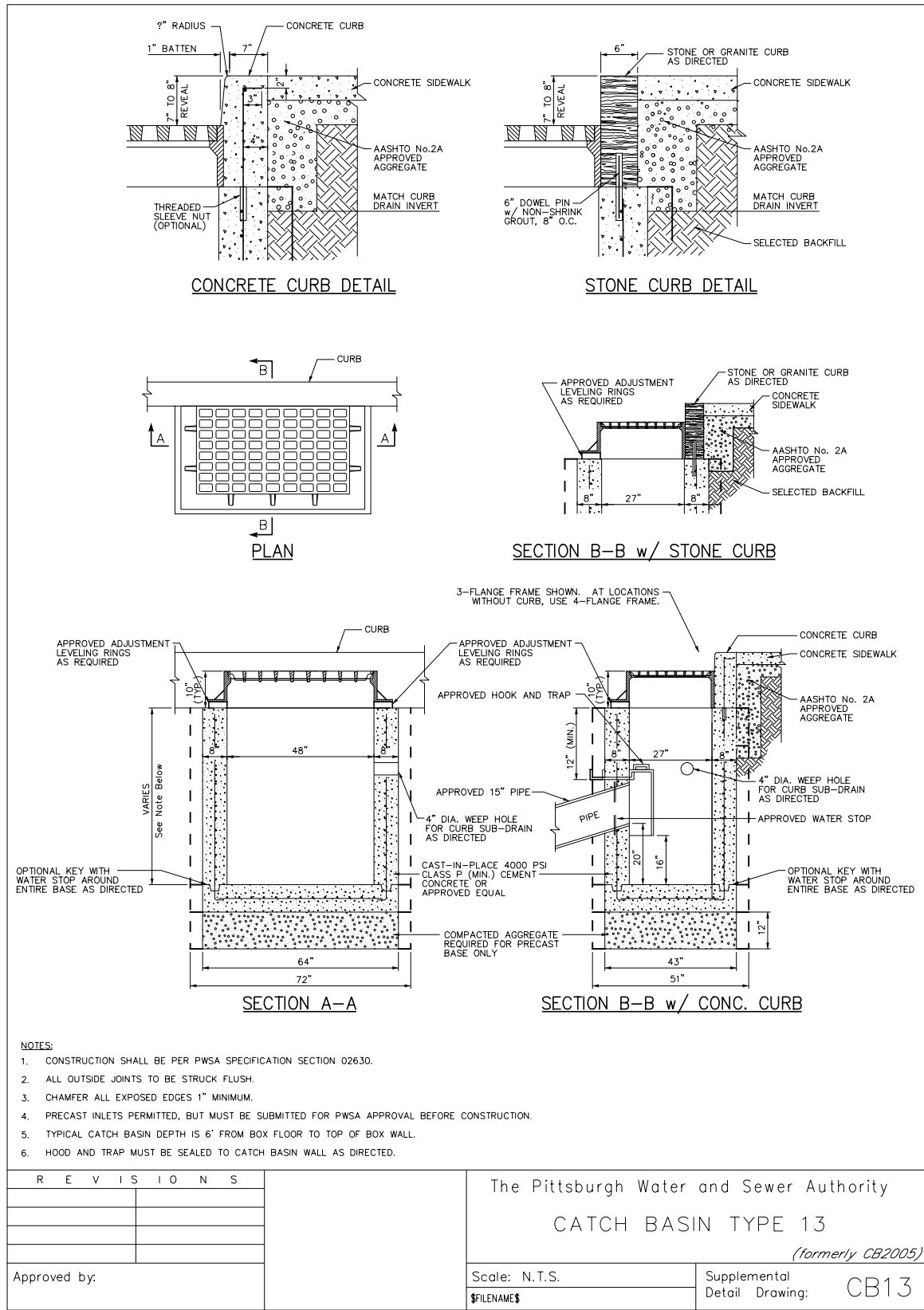
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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 SPECIAL DETAILS
 PWSA - MANHOLE STEPS / INLET FRAME & GRATE

Port Authority connecting people to life™

CONTRACT NO. BRT-001
 DWG. NO. CV61 SHT. 136



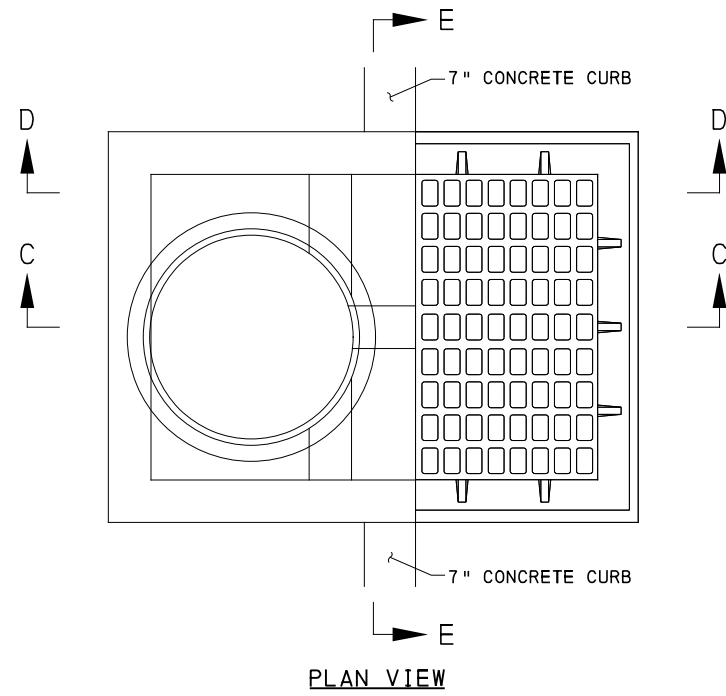
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 5th Floor
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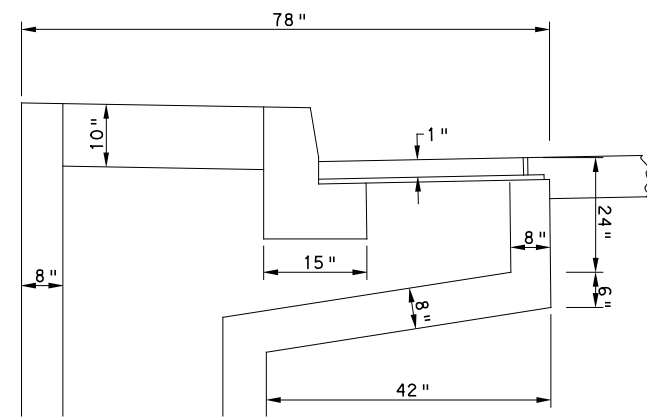
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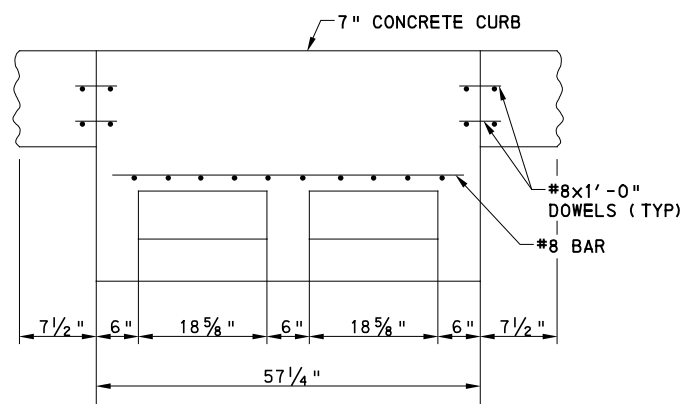
PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND SPECIAL DETAILS PWSA - CATCH BASIN TYPE 13		
Port Authority connecting people to life®	CONTRACT NO. BRT-001	
DWG. NO. CV62	SHT. 137	



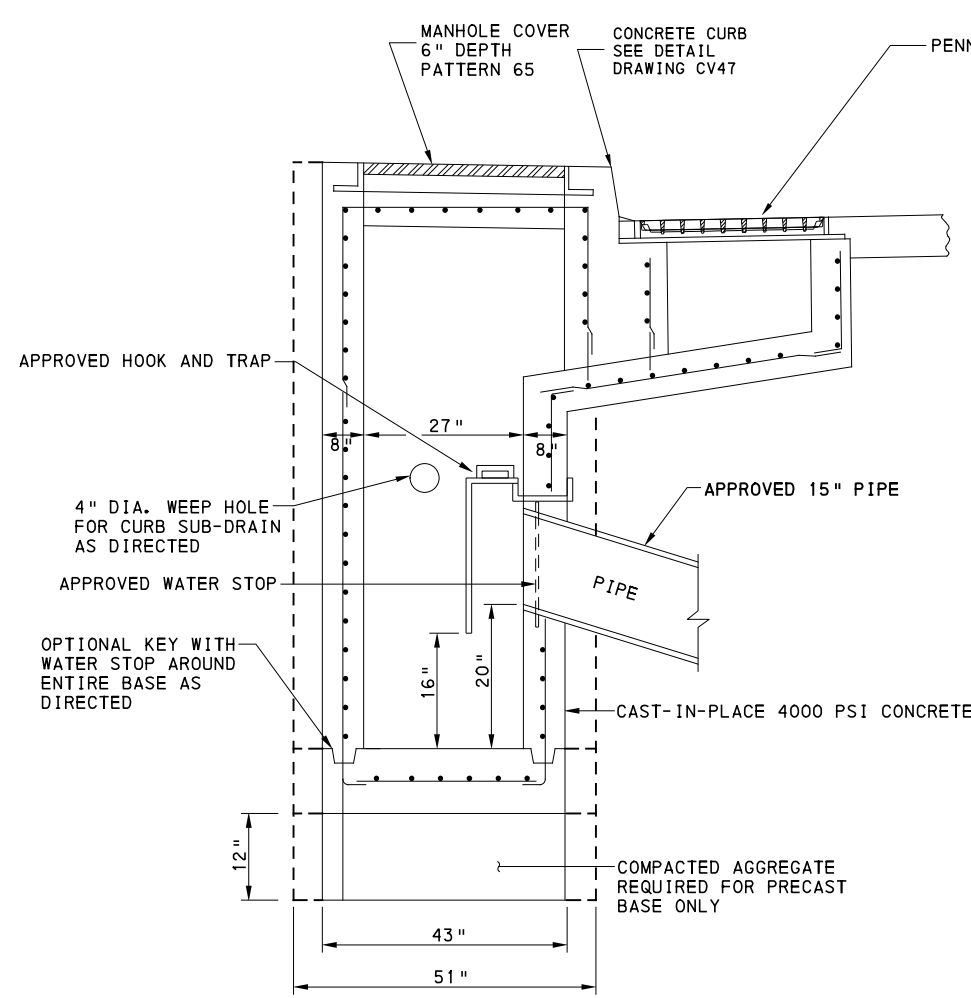
PLAN VIEW



SECTION D-D

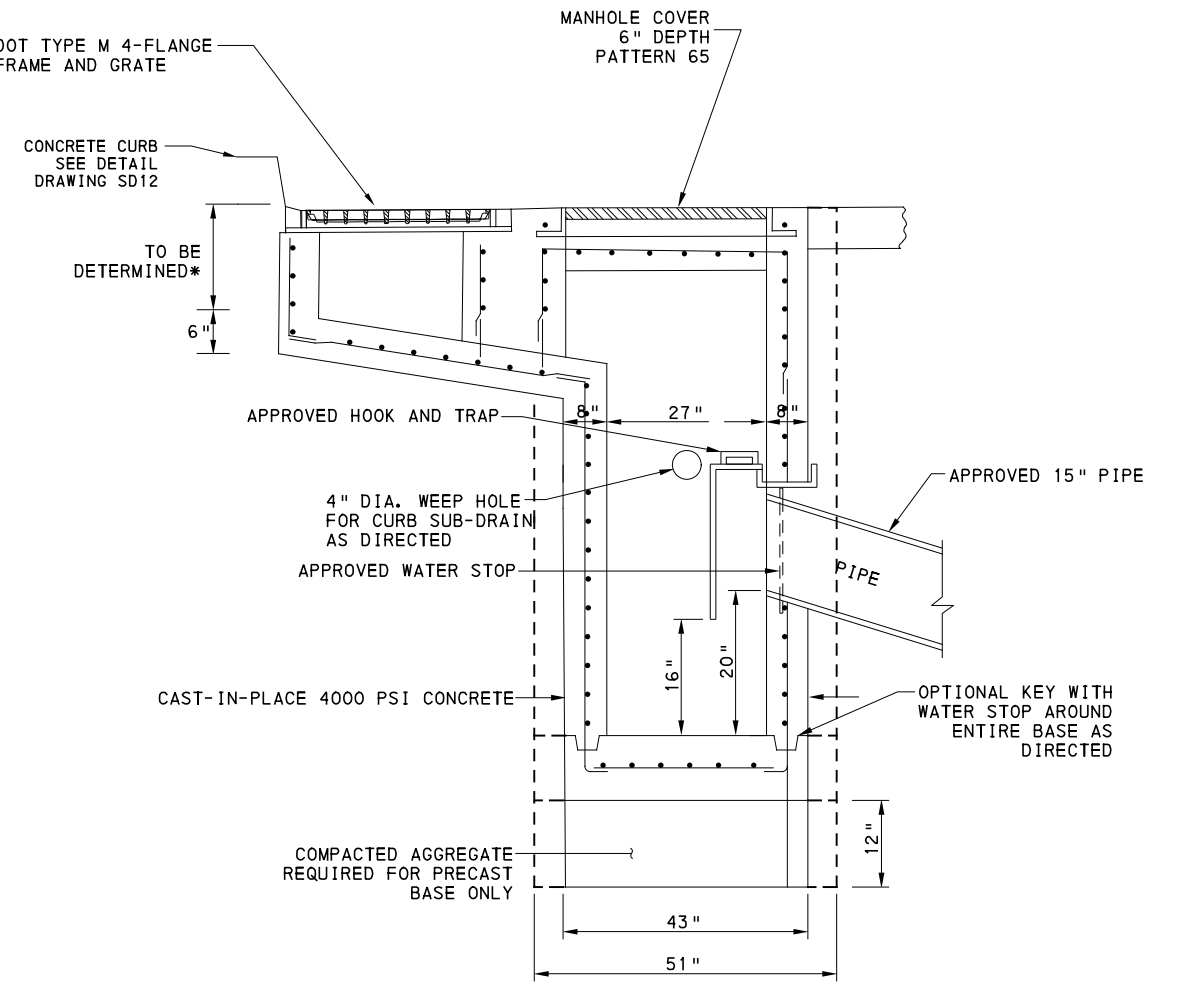


SECTION E-E



SECTION C-C

CATCH BASIN, PWSA TYPE 13 MODIFIED,
CONCRETE CURB
(PWSA STANDARD DETAIL CB13M)
NOT TO SCALE



SECTION C-C

CATCH BASIN, REVERSE TYPE PWSA 13 MODIFIED,
CONCRETE CURB
NOT TO SCALE

* BASED ON FIELD CONDITIONS AND STRUCTURAL REVIEW

NOTES

1. ALL FRAMES AND CASTINGS CLASS 30 MIN. STRENGTH CAST OR GRAY IRON.
2. ALL CONCRETE 4000 PSI MIN.



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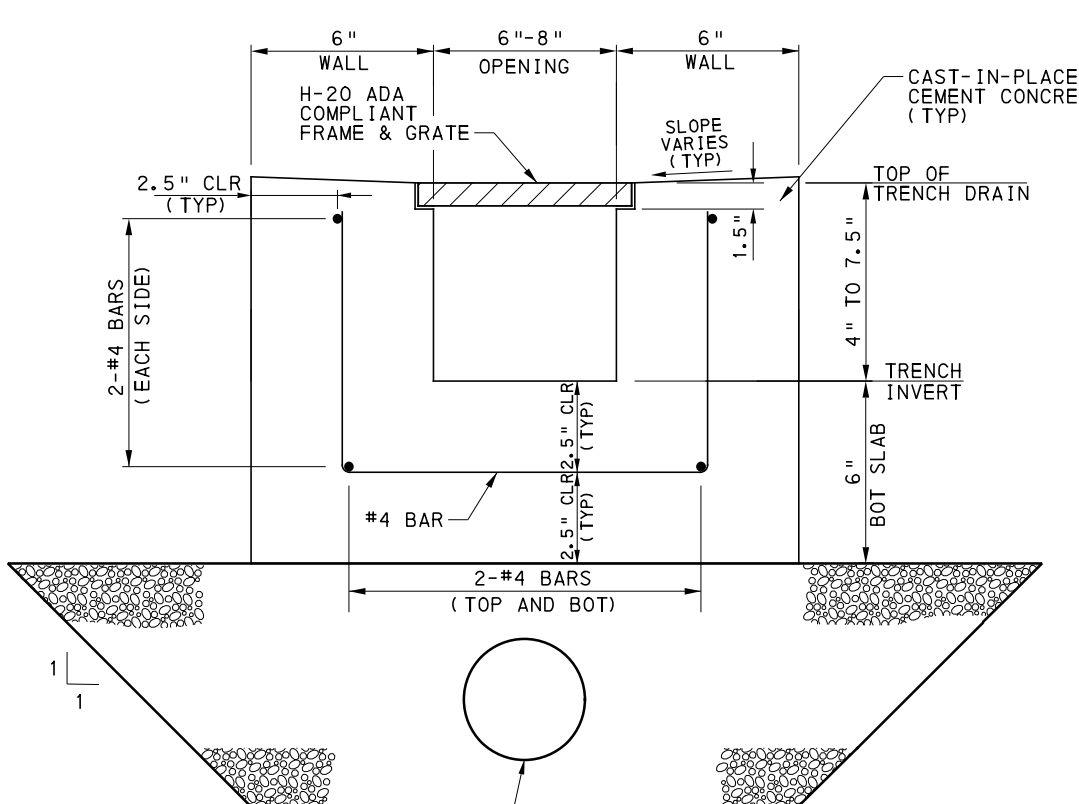
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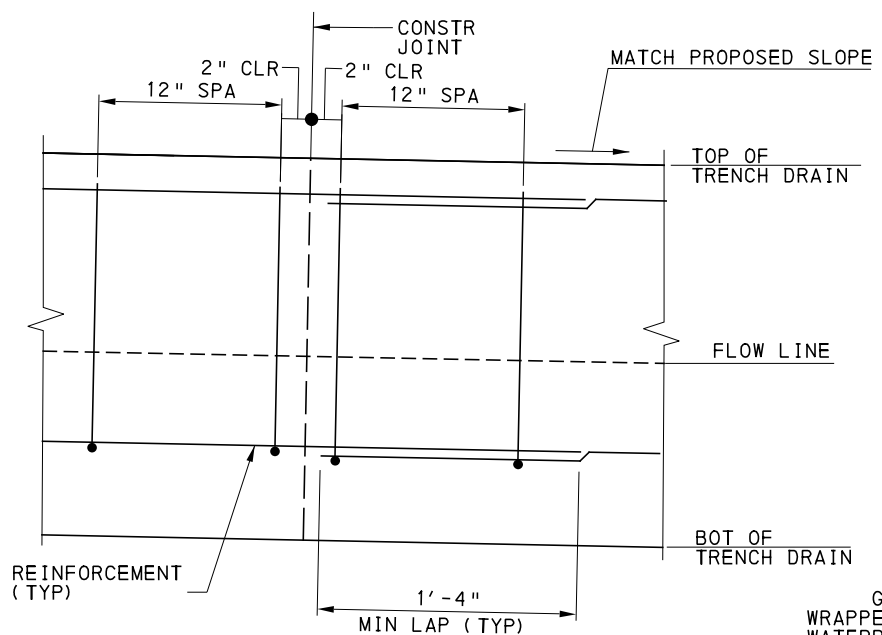
PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND SPECIAL DETAILS PWSA - CATCH BASINS TYPE 13 MODIFIED	
Port Authority connecting people to life	CONTRACT NO. BRT-001
DWG. NO. CV63	SHT. 138



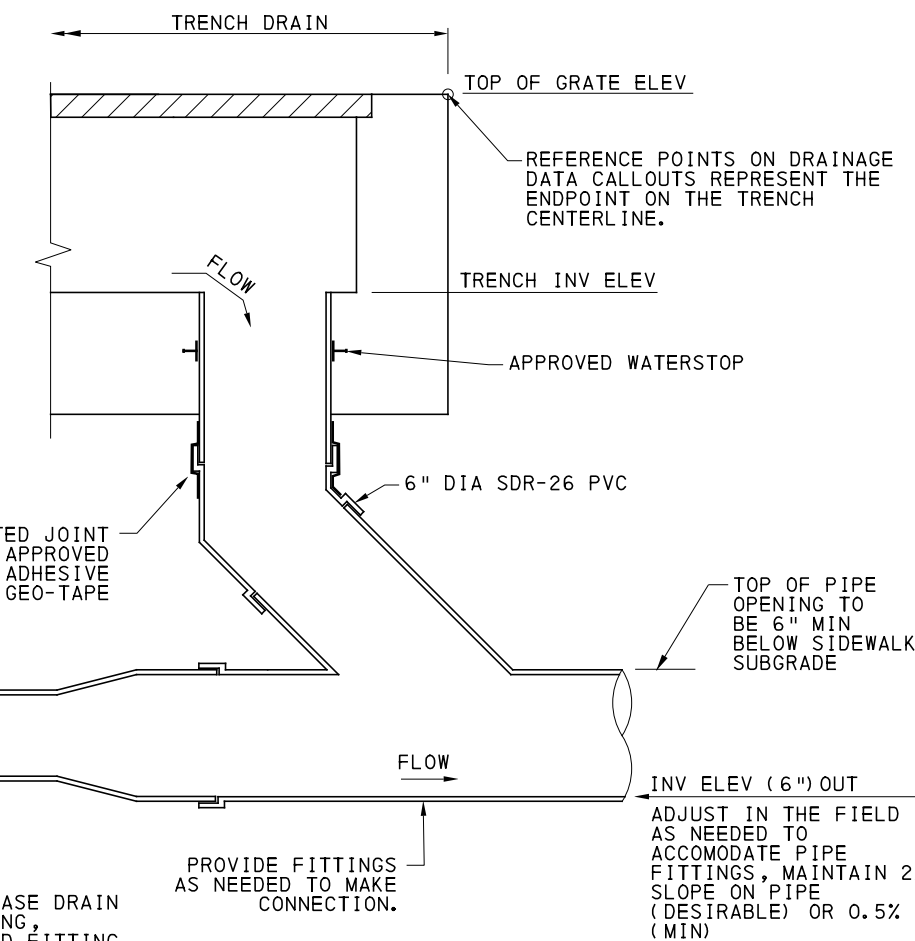
8" DEPTH, PENNDOT #8 AGGREGATE, TAMPED, WRAPPED IN PENNDOT GEOTEXTILE, CLASS 1 (INCIDENTAL TO SIDEWALK TRENCH DRAIN ITEM 02635.001, COMPLIANT W/ ITEM 02353.001)

4" DIA PAVEMENT BASE DRAIN PIPE, SMOOTH. TIE TO TRENCH OUTLET PIPE IF PRESENT, OTHERWISE ROADWAY PAVEMENT BASE DRAIN IF PRESENT, OTHERWISE PLACE 2A AGGREGATE INSTEAD OF BASE DRAIN. (INCIDENTAL TO SIDEWALK TRENCH DRAIN ITEM 02635.001, COMPLIANT W/ ITEM 02627.001)

TRENCH DRAIN TYPICAL SECTION
NOT TO SCALE



TRENCH DRAIN PARTIAL ELEVATION AT CONSTRUCTION JOINT
NOT TO SCALE



SECTION A-A
NOT TO SCALE

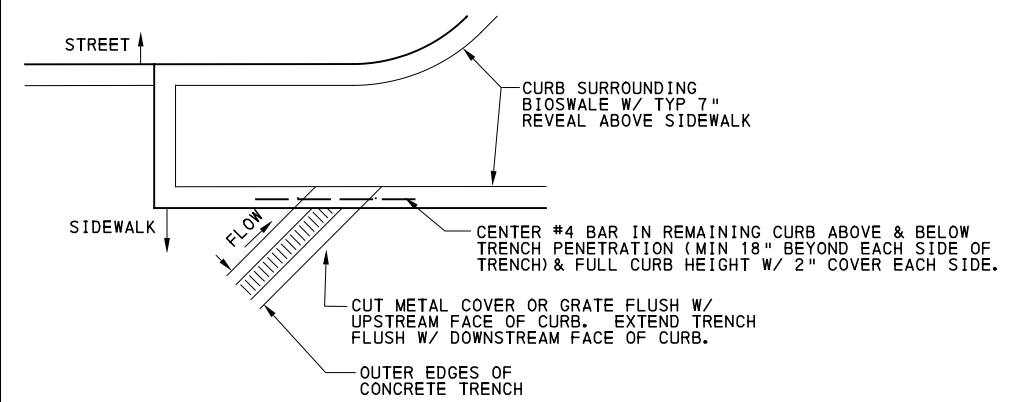
BEGIN 4" PERFORATED BASE DRAIN PIPE ABOVE THIS FITTING, SEAL GEOTEXTILE AROUND FITTING W/ NYLON ZIP TIE, BACKFILL OUTSIDE FABRIC W/ 2A

PROVIDE FITTINGS AS NEEDED TO MAKE CONNECTION.

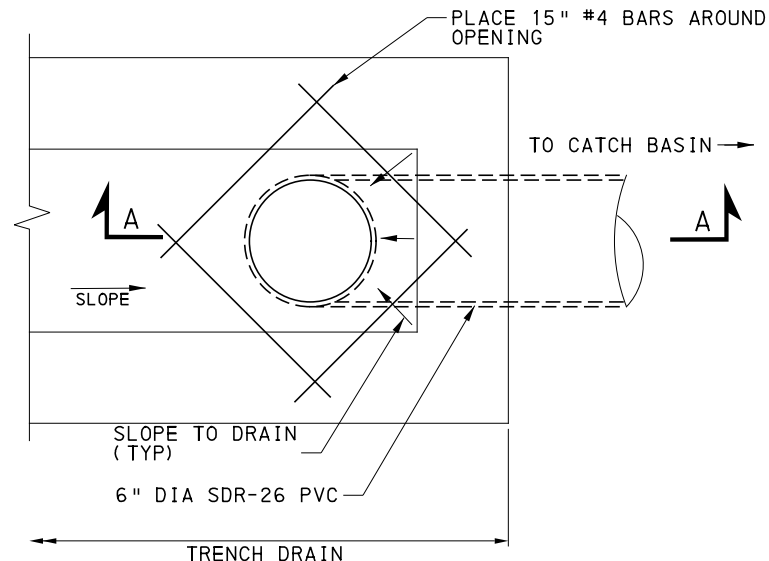
ADJUST IN THE FIELD AS NEEDED TO ACCOMMODATE PIPE FITTINGS, MAINTAIN 2% SLOPE ON PIPE (DESIRABLE) OR 0.5% (MIN)

NOTES:

1. REINFORCEMENT WILL BE EPOXY COATED.
2. SCUPPER/DRAIN COMPONENTS WILL BE GALVANIZED.
3. CAST IN PLACE CONCRETE $f'c = 4,000$ PSI.
4. CONSTRUCTION JOINTS ARE TO BE PROVIDED AT INTERVALS NOT EXCEEDING 30 FEET. EXPANSION JOINTS ARE TO BE PROVIDED AT INTERVALS NOT EXCEEDING 90 FEET. WHEN EXPANSION JOINTS ARE USED, WATERSTOPS ARE REQUIRED.
5. PLACE BEDDING AT 12" MINIMUM DEPTH BELOW BOTTOM OF TRENCH DRAIN.
6. SOME TRENCHES WILL OUTLET TO CURB GUTTER INSTEAD OF AN OUTLET PIPE. IN THOSE CASES, USE SOLID COVER INSTEAD OF GRATE ON THE PORTION BETWEEN THE VALLEY OF SIDEWALK AND CURB AS DIRECTED. CUT LOWERMOST COVER STRAIGHT AND FLUSH WITH FACE OF CURB. GRIND SMOOTH.
7. PROVIDE CLOSED, PLAIN TEXTURED SOLID COVER AS DIRECTED WHERE TRENCH TRAVERSES FROM SIDEWALK GUTTER TO CURB.



TYPICAL PENETRATION THROUGH CURB AT BIOSWALE
NOT TO SCALE



PLAN VIEW
NOT TO SCALE

TRENCH DRAIN DETAILS
NOT TO SCALE

AECOM
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Pittsburgh, PA 15219

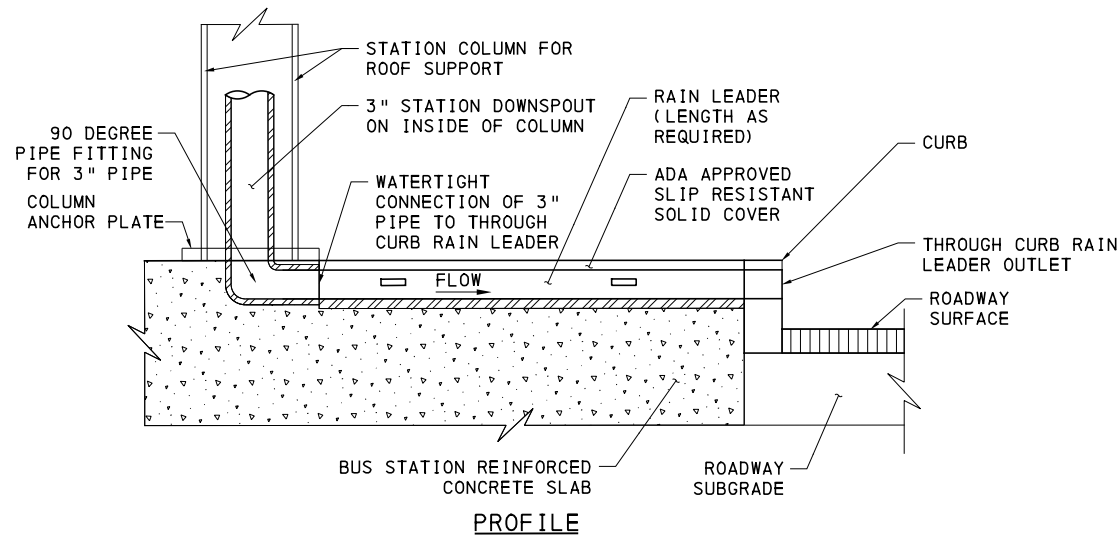
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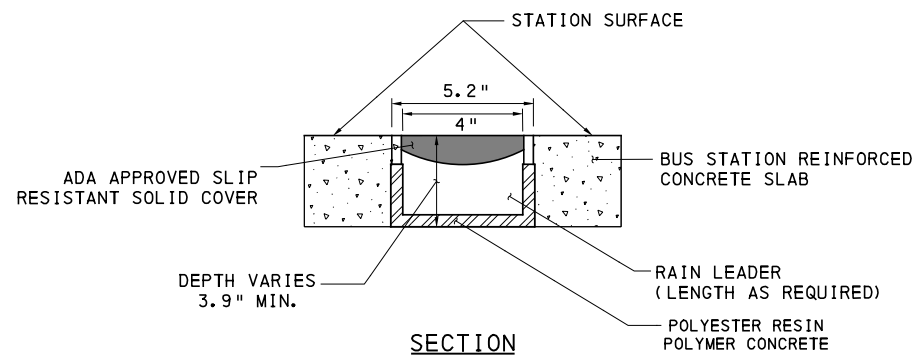
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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND SPECIAL DETAILS TRENCH DRAIN	
Port Authority connecting people to life®	CONTRACT NO. BRT-001
DWG. NO. CV64	SHT. 139



PROFILE



SECTION

NOTES:

1. RAIN LEADER AND THROUGH CURB RAIN LEADER ARE TO BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE.
2. THROUGH CURB RAIN LEADER OUTLET IS TO BE 6" OVERALL WIDTH AND 7.9" OVERALL DEPTH. INTERLOCK WITH SURROUNDING CONCRETE.
3. THE RAIN LEADER IS TO BE 4 INCHES NOMINAL INSIDE WIDTH WITH A 5.2" OVERALL WIDTH AND 3.9" OVERALL DEPTH. ALL PIECES ARE TO BE INTERLOCKING WITH A MALE/FEMALE JOINT.
4. INSTALL AN ADA APPROVED CAST-IN STAINLESS OR GALVANIZED STEEL SLIP RESISTANT SOLID COVER. COVER SHALL BE SECURED USING A BOLTLESS LOCKING SYSTEM. COVER AND LOCKING SYSTEM IS TO BE FULLY REMOVEABLE FROM RAIN LEADER. ENSURE COVER IS FLUSH WITH TOP OF STATION SLAB.
5. THE RAIN LEADER SYSTEM IS TO BE INDEPENDENTLY CERTIFIED TO WITHSTAND LOADINGS TO LOAD CLASS C (DIN19580).
6. POLYMER CONCRETE IS TO HAVE MATERIAL PROPERTIES OF: COMPRESSIVE STRENGTH RANGE BETWEEN 14,000-14,500 PSI; FLEXURAL STRENGTH BETWEEN 3600-4500 PSI; TENSILE STRENGTH OF 1500 PSI. THE MATERIAL WATER ABSORPTION RATE IS TO NOT EXCEED 0.1% BY WEIGHT AND IS TO BE RESISTANT TO PROLONGED SALT EXPOSURE, REPETITIVE FROST CYCLES AND CHEMICALLY RESISTANT TO DILUTE ACIDS AND ALKALIS.
7. THE SYSTEM IS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
8. PROVIDE POSITIVE DRAINAGE FROM 3" DOWNSPOUT TO OUTLET THROUGH CURB. MINIMUM SLOPE IS 0.5%
9. LOCATE 3" ELBOW SUCH THAT CONNECTING DOWNSPOUT IS LOCATED IN CENTER OF STATION COLUMN. PROVIDE SMOOTH TRANSITION TO CHANNEL.

**THROUGH CURB RAIN LEADER
(AT BUS STATIONS)**

NOT TO SCALE



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Pittsburgh, PA 15219

NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

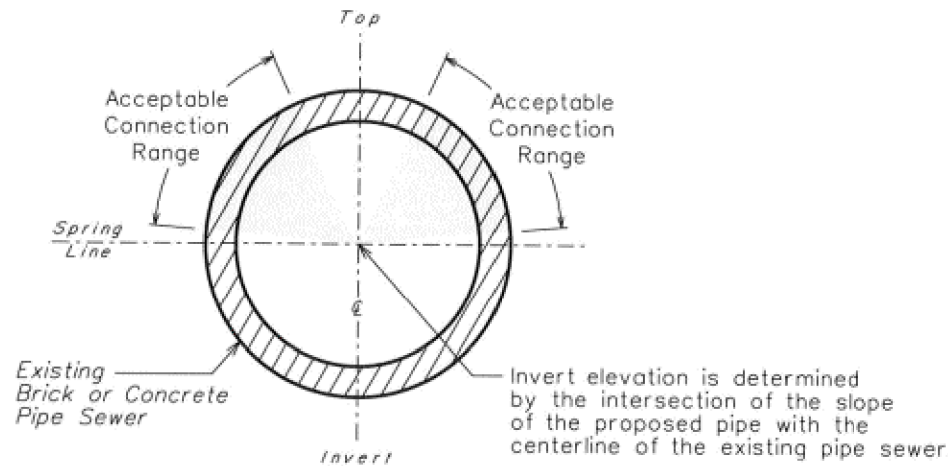
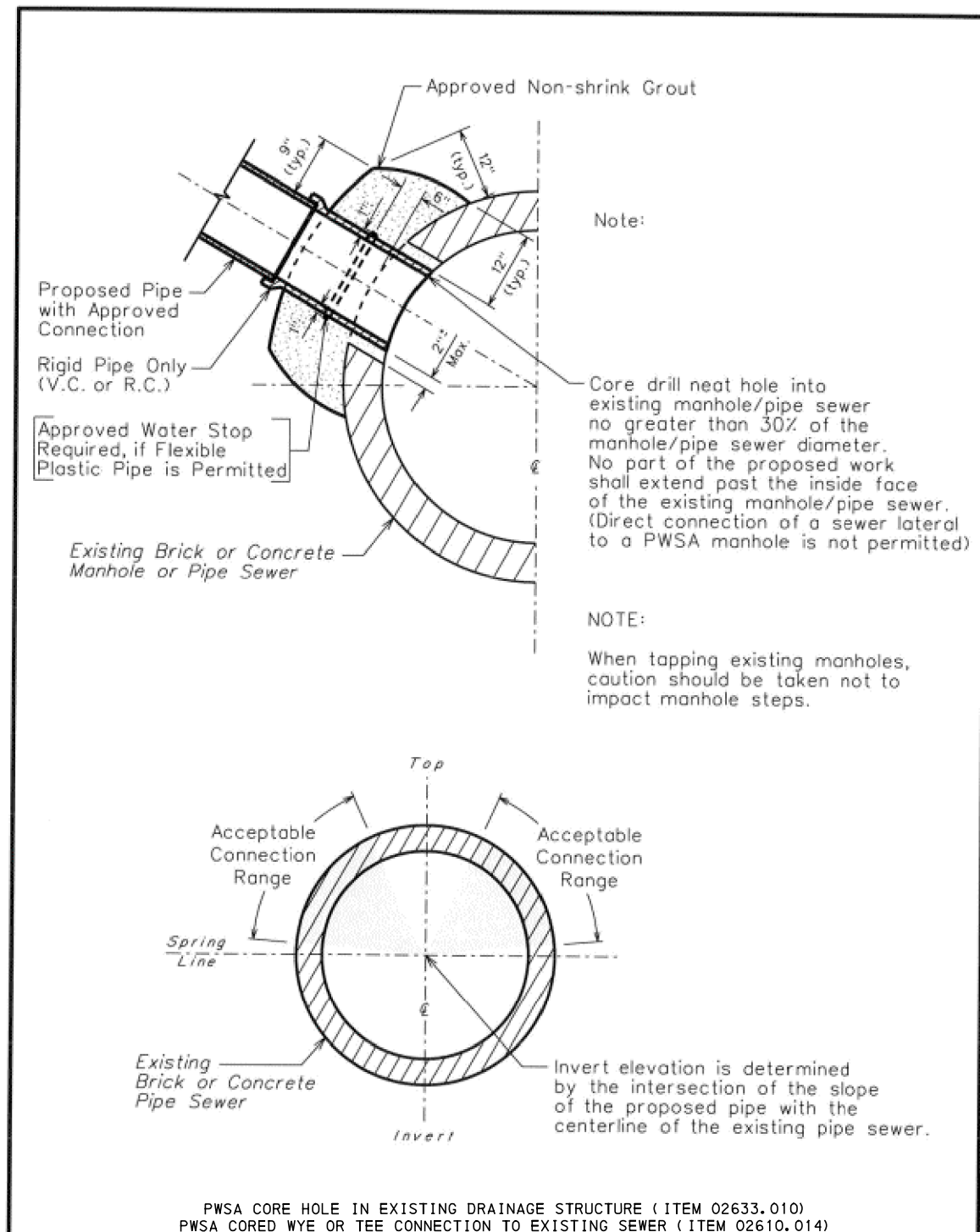
BUS RAPID TRANSIT UPTOWN TO OAKLAND
SPECIAL DETAILS
THROUGH CURB RAIN LEADER



CONTRACT NO. BRT-001

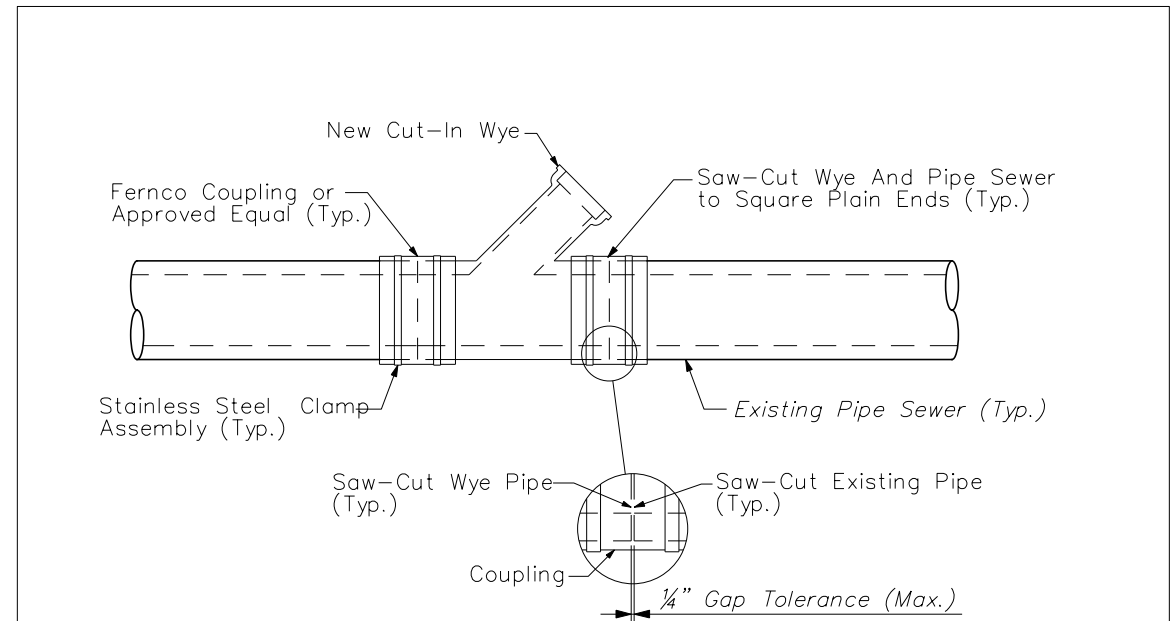
DWG. NO. CV65

SHT. 140

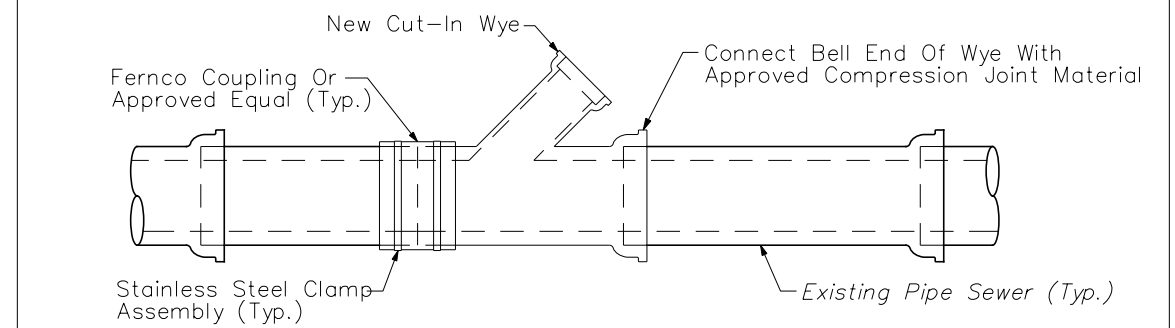


PWSA CORE HOLE IN EXISTING DRAINAGE STRUCTURE (ITEM 02633.010)
PWSA CORED WYE OR TEE CONNECTION TO EXISTING SEWER (ITEM 02610.014)

REVISIONS		<p>PWSA THE PITTSBURGH WATER & SEWER AUTHORITY Quality Water Quality Service Engineering & Construction Division</p>	<p>Pittsburgh Water and Sewer Authority Manhole / Pipe Sewer Cored Wye Connection</p>	<p>Scale: N.T.S. Supplemental Detail Drawing: SSC-1</p>
1.	MSR 4-18-01			
2.	DWP 9-15-05			
3.	MAC 11-3-08			
4.	LRC 1-31-14			
Approved by:				



ALT. No.1



ALT. No.2

- NOTES:
- SAW-CUT EXISTING PIPE SEWER, NO BREAK-IN OR HAMMER CONNECTIONS PERMITTED. JOINTS MUST BE INSPECTED BY PWSA BEFORE AND AFTER FLEXIBLE COUPLINGS ARE INSTALLED.
 - WYE MATERIAL WILL MATCH SEWER MAIN MATERIAL.
 - PIPE MAIN I.D. OF NEW WYE SECTION WILL MATCH I.D. OF EXISTING PIPE SEWER MAIN.
 - WYE LOCATION WILL BE LOCATED AT 2 O'CLOCK OR 10 O'CLOCK ON BARREL OF PIPE SEWER.

REVISIONS		<p>PGH₂O Pittsburgh Water & Sewer Authority</p>	The Pittsburgh Water and Sewer Authority	
			Cut-In Wye Pipe Transition	
Approved by:			Scale: N.T.S.	Supplemental Detail Drawing: ST-7

AECOM
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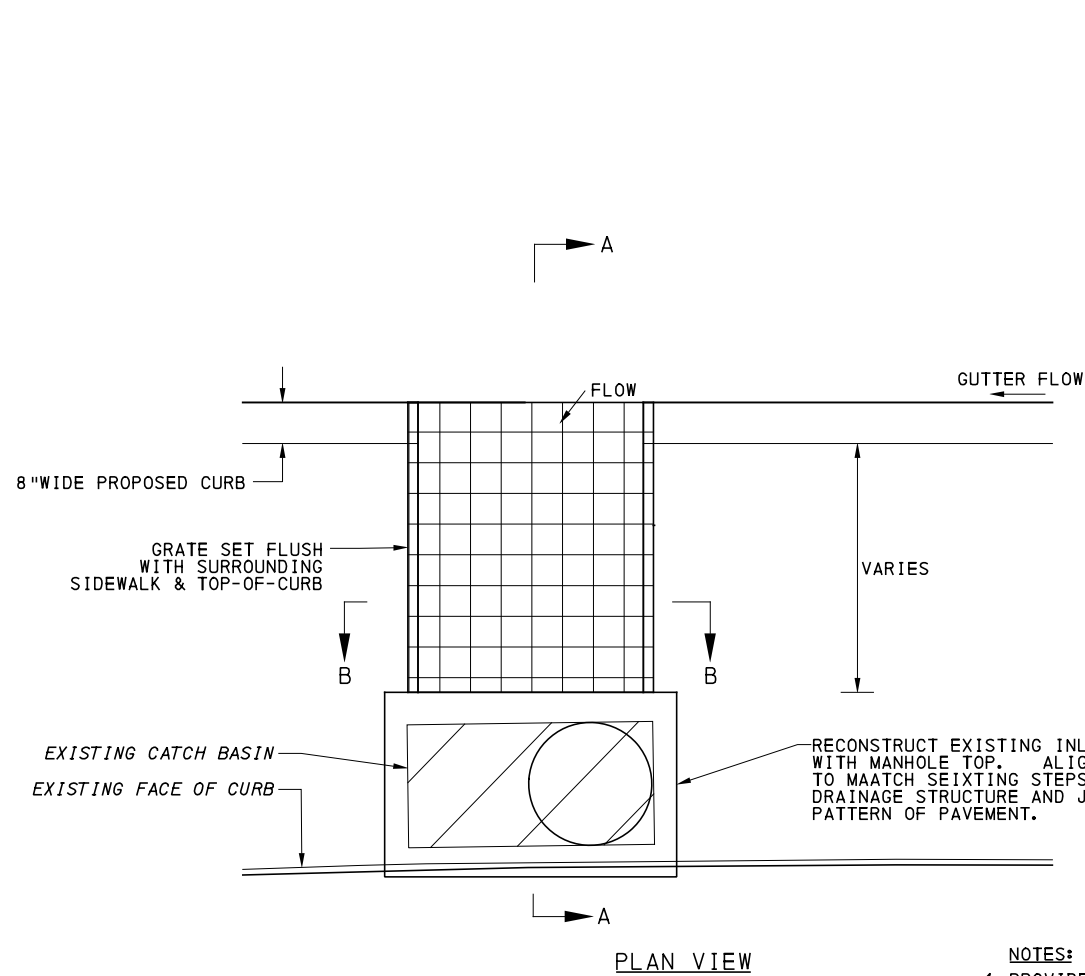
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BUS RAPID TRANSIT UPTOWN TO OAKLAND SPECIAL DETAILS PWSA - WYE CONNECTIONS	
Port Authority connecting people to life®	CONTRACT NO. BRT-001
DWG. NO. CV66	SHT. 141

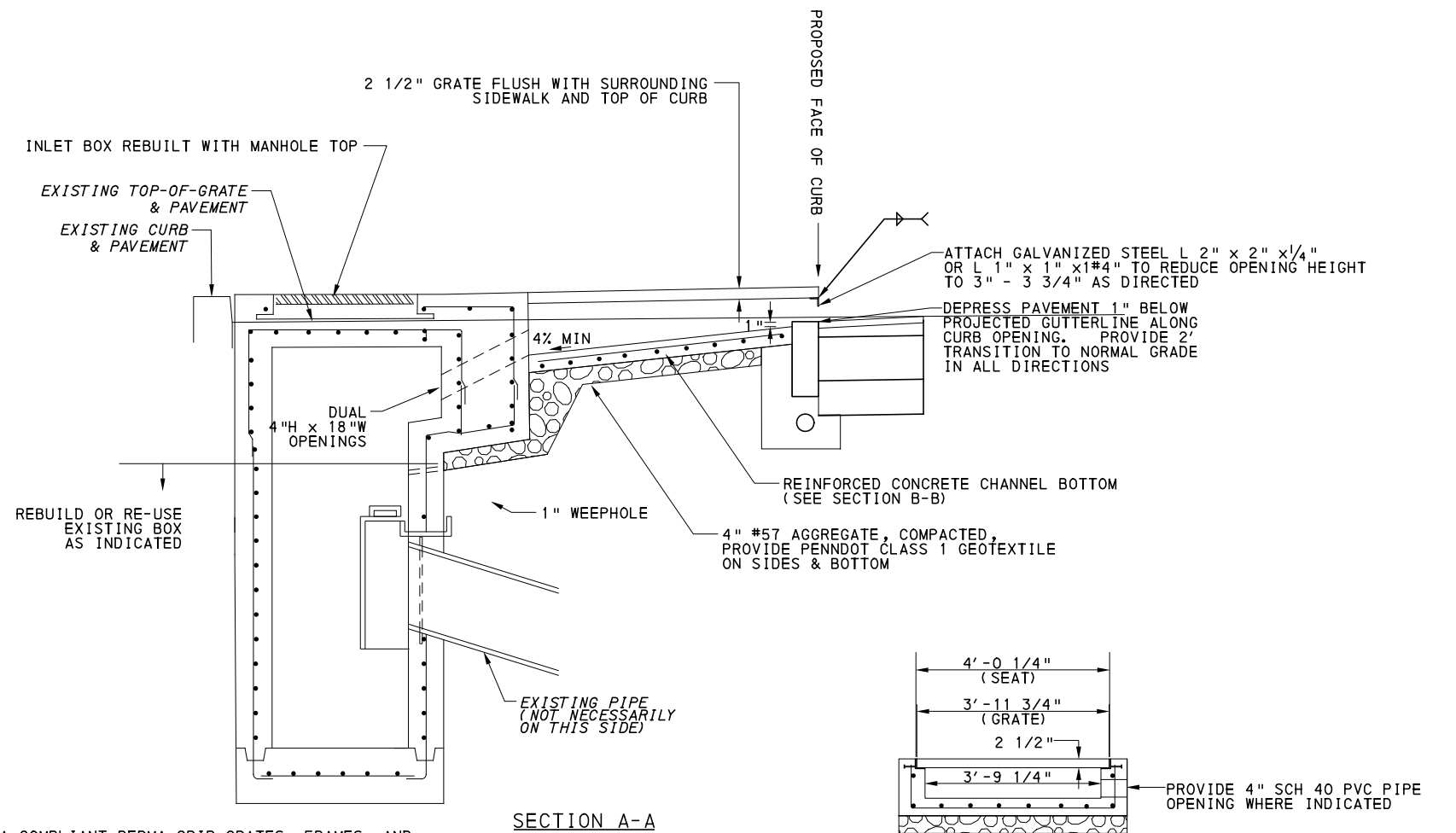


INLET	BASELINE	STA	OFFSET	CURB REVEAL*
A25-6	5TH AVE	STA 492+34.12	- 19.22' RT	7"
A26-3	5TH AVE	STA 497+46.65	- 21.39' RT	4"
A26-5	5TH AVE	STA 492+34.12	- 19.22' RT	7"
A27-1	5TH AVE	STA 503+46.91	- 21.04' RT	7"
A33-1	5TH AVE	STA 534+86.43	- 28.54' LT	7"
A38-3	BELLEFIELD AVE	STA 61+52.54	- 18.91' LT	5"

* THIS IS CURB REVEAL OF THE ADJACENT CURBS. DEPRESSION OF CURB AT INLET WILL ADD 1".

NOTES:

1. PROVIDE 2 1/2" DEEP ADA-COMPLIANT PERMA-GRIP GRATES, FRAMES, AND GRATE SEATS OF MATERIALS AND COATINGS PER STANDARD PENNDOT SPECIFICATION 605.2(A) RATED FOR H2O LOADS WITH MAXIMUM 1/4" OR 1/2" OPENINGS AS DIRECTED.
2. PRIOR TO CONSTRUCTION MOBILIZATION, CONFIRM DESIGN SHOWN WILL NOT CONFLICT WITH EXISTING UTILITIES, CATCH BASIN OUTLET, OR OTHER FEATURES. REPORT CONFLICTS TO ENGINEER FOR DESIGN ADJUSTMENT.
3. PROVIDE VANDAL-RESISTANT LOCKING MECHANISM TO HOLD GRATES IN PLACE WITHOUT MOVEMENT UNDER TRAFFIC.
4. PROVIDE STRUCTURAL DETAILING TO FIT FIELD CONDITIONS EQUAL OR STRONGER THAN TYPE 13 MODIFIED CATCH BASIN FOR ENGINEER'S APPROVAL.



RECESSED CATCH BASIN CONVERSION

NOT TO SCALE



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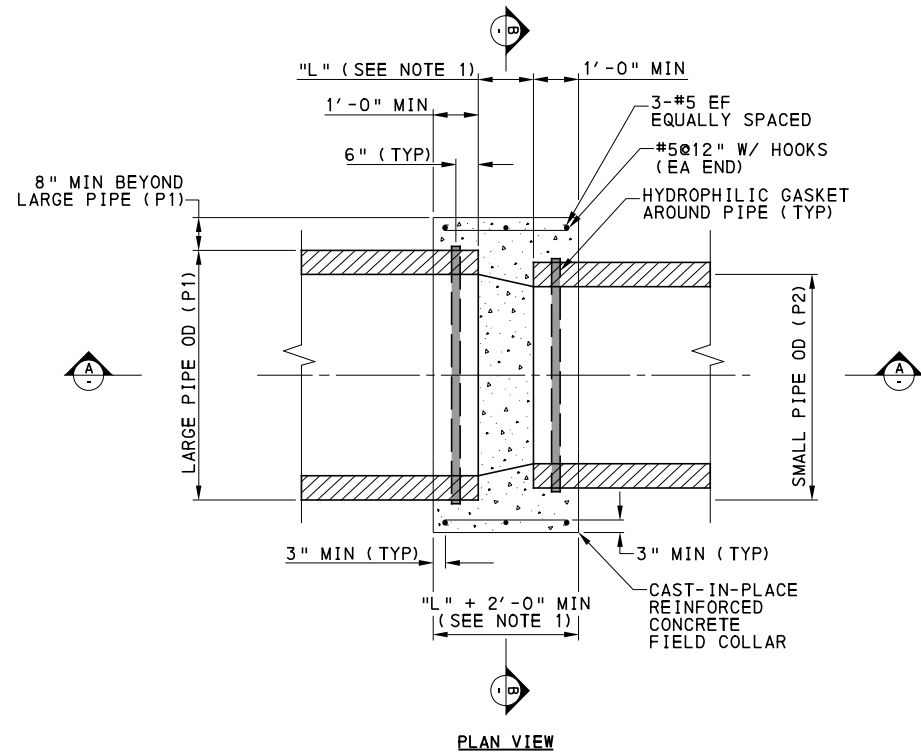
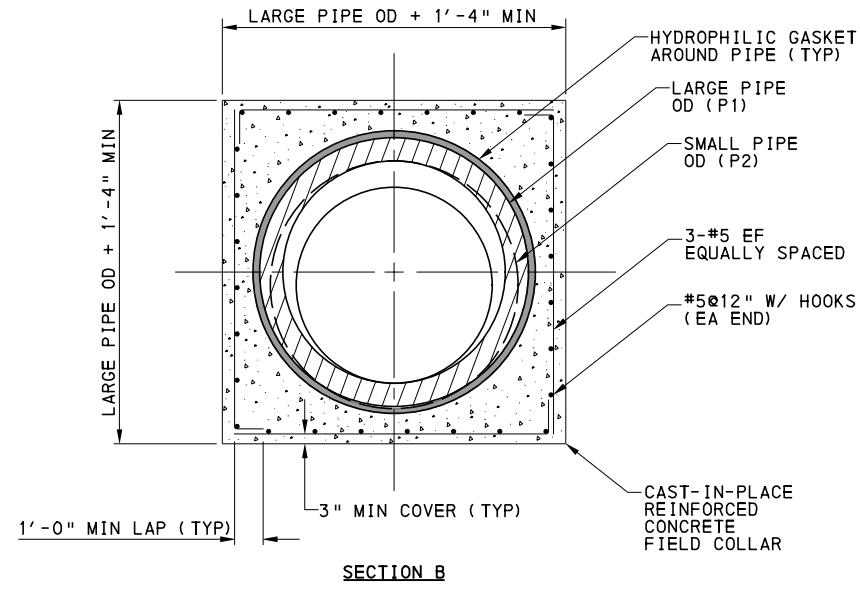
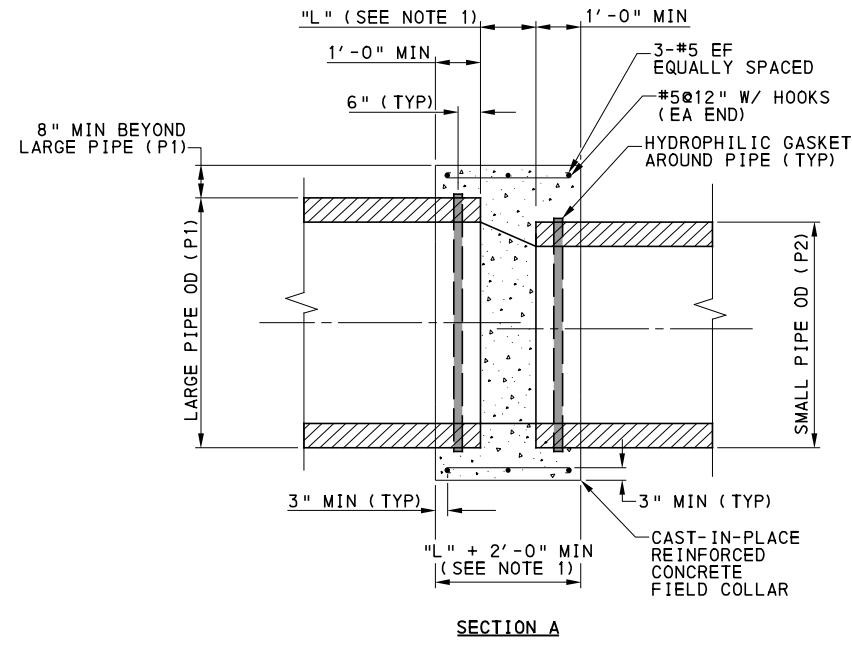
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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

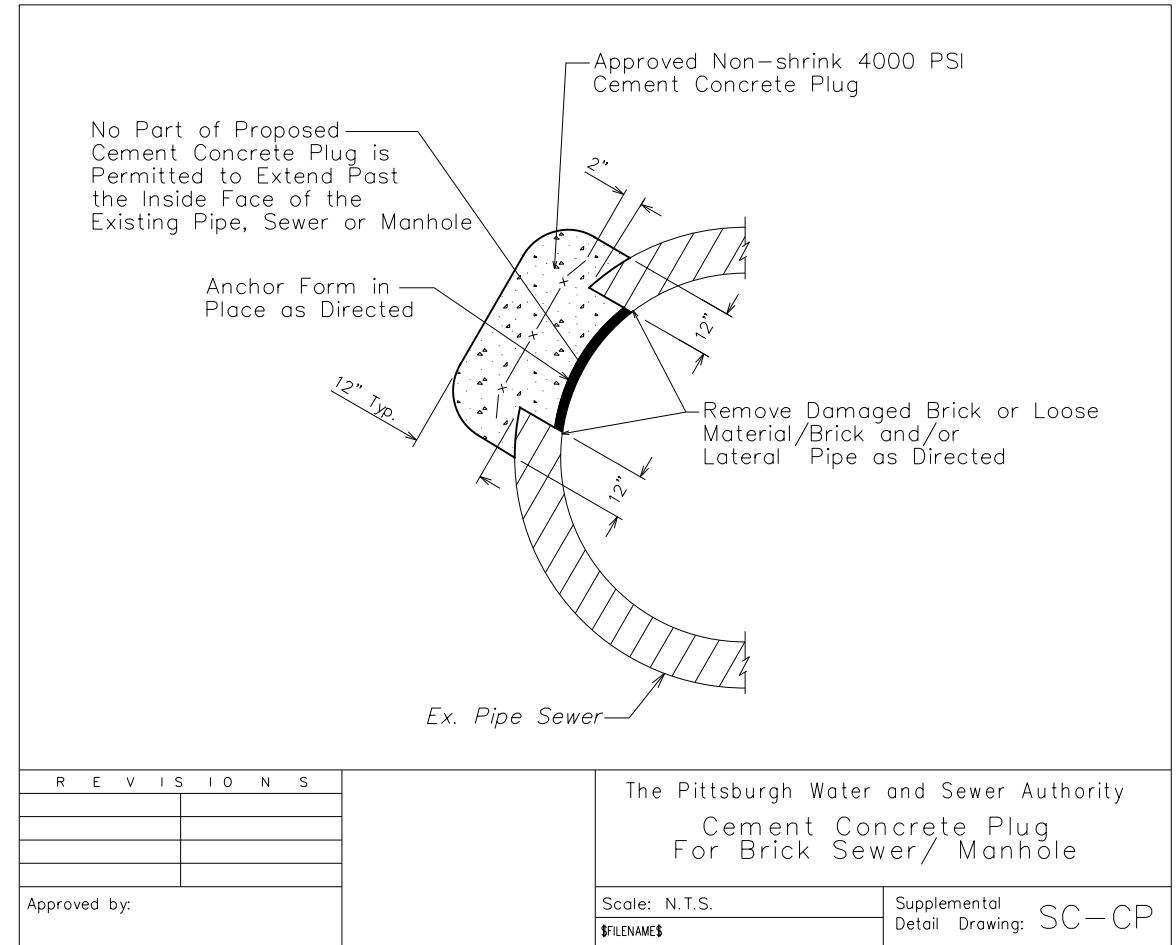
BUS RAPID TRANSIT UPTOWN TO OAKLAND
SPECIAL DETAILS
RECESSED CATCH BASIN CONVERSION

Port Authority connecting people to life®	CONTRACT NO. BRT-001
DWG. NO. CV67	SHT. 142



- NOTES:**
1. SPACING BETWEEN PIPES (L) DEPENDS ON PIPE SIZES, FOR PIPES OF THE SAME SIZE USE 4". THE DISTANCE "L" EQUALS THE LARGE PIPE ID MINUS THE SMALL PIPE ID TIMES TWO ($L = (P1 - P2) \times 2$) BUT NO LESS THAN 4"
 2. PROPOSED PIPE INVERT SHALL MATCH EXISTING PIPE INVERT UNLESS OTHERWISE NOTED.
 3. CONCRETE AND REBAR REQUIREMENTS SHALL CONFORM TO CAST-IN-PLACE CONCRETE SPECIFICATIONS.
 4. LOCATION OF FIELD COLLAR SHALL BE SUBJECT TO THE ENGINEERS APPROVAL.
 5. FOR NON-PRESSURE PIPES OF DIFFERENT MATERIALS OR SIZES.

CAST-IN-PLACE CONCRETE FIELD COLLAR
NOT TO SCALE



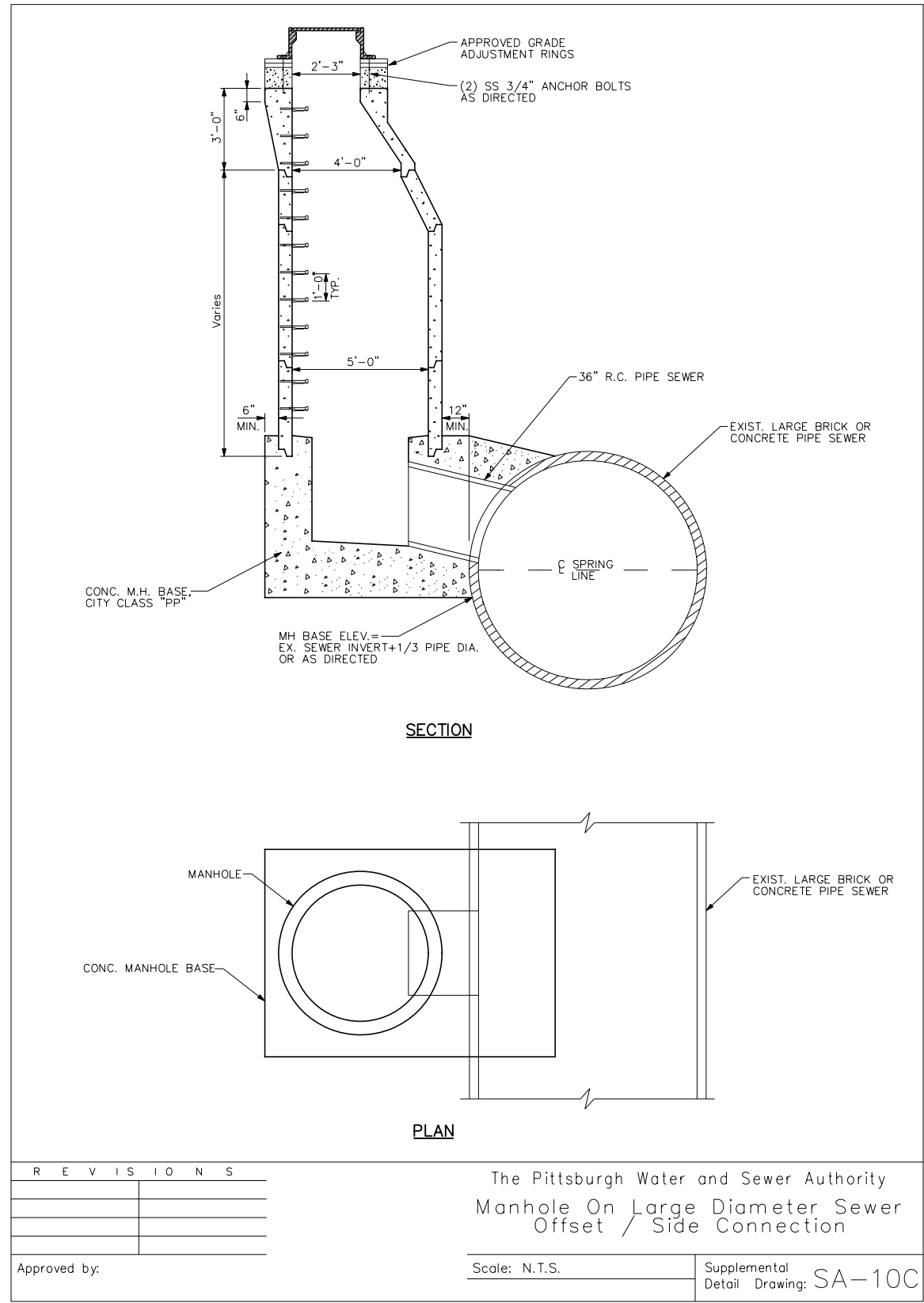
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND SPECIAL DETAILS PIPE FIELD COLLAR & PWSA - CONCRETE PLUG		
Port Authority connecting people to life™	CONTRACT NO. BRT-001	DWG. NO. CV68
		SHT. 143



REVISIONS	

The Pittsburgh Water and Sewer Authority
 Manhole On Large Diameter Sewer
 Offset / Side Connection

Approved by: _____ Scale: N.T.S. Supplemental Detail Drawing: SA-10C



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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND SPECIAL DETAILS PWSA - LARGE DIAMETER SEWER CONNECTION	
Port Authority connecting people to life®	CONTRACT NO. BRT-001
DWG. NO. CV69	SHT. 144

A14-1 DIAMOND ST STA 48+02.78 - 14.35' RT
 EXISTING INLET
 PWSA ID: CB002F013
 TG ELEV 764.02
 GRADE ADJUSTMENT OF EXISTING PWSA INLET
 TG ELEV 764.60
 EXISTING INVERT ELEVATIONS UNKNOWN

A14-7 FIFTH AVE STA 435+43.99 - 19.39 LT
 CATCH BASIN, PWSA TYPE 13,
 W/ 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 765.39
 INV 761.39 (15") OUT
 (FIELD VERIFY, ADJUST TG ELEV
 DOWN IF NEEDED)

A15-1 FIFTH AVE STA 441+01.48 - 23.00' LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 773.48
 INV 768.48 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A15-8 FIFTH AVE. STA 438+65.94 - 20.25' LT
 EXISTING INLET
 PWSA ID: CB002F027
 TG ELEV 769.56
 GRADE ADJUSTMENT OF EXISTING PWSA INLET
 TG ELEV 769.87
 EXISTING INVERT 765.56

A14-2 DIAMOND ST. STA 48+33.33 - 15.11' RT
 PWSA DOGHOUSE MANHOLE,
 W/ MANHOLE FRAME AND COVER
 RIM ELEV 765.44
 INV 762.44 (15") IN FROM A14-2A
 INV 758.00 (15") OUT TO EXS PIPE
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A14-8 FIFTH AVE STA 435+03.04 - 19.30 LT
 CATCH BASIN, PWSA TYPE 13,
 W/ 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 765.37
 INV 761.37 (15") OUT
 (FIELD VERIFY)

A15-3 FIFTH AVE STA 440+59.86 - 23.11' RT
 4' DIAMETER PWSA MANHOLE,
 W/ MANHOLE FRAME AND COVER
 RIM ELEV 773.70
 INV 768.00 (15") IN FROM A15-7
 INV 766.20 (15") OUT
 (FIELD VERIFY)

A15-9 FIFTH AVE STA 438+82.39 - 10.00' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 770.62
 TRENCH INV ELEV 770.29

A14-2A FIFTH AVE STA 435+48.51 - 34.50' RT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 765.42
 INV 763.30 (6") IN FROM A14-9
 INV 761.62 (15") OUT TO A14-2
 PROVIDE ADA COMPLIANT GRATE
 INCIDENTAL TO ITEM

A14-9 FIFTH AVE STA 436+14.00- 22.80' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 766.33
 TRENCH INV ELEV 765.71
 INV 764.23 (6") OUT TO A14-2A

A15-4 CHATHAM SQUARE STA 25+38.88 - 4.71' RT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 772.55
 INV 765.90 (15") IN
 INV 765.85 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A15-10 FIFTH AVE STA 438+94.00 - 22.67' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 770.91
 TRENCH INV ELEV 770.58

A14-3 DIAMOND ST STA 48+23.92 - 09.58' LT
 EXS STORM/SEWER MANHOLE
 PWSA ID: MH002F126
 RIM ELEV 765.21
 GRADE ADJUSTMENT OF EXS PWSA MANHOLE
 RIM ELEV 765.12
 CORE HOLE IN EXISTING DRAINAGE STRUCTURE
 INV 759.25 (15") IN FROM A14-4
 EXISTING INVERT ELEVATIONS UNKNOWN

A14-10 FIFTH AVE STA 436+87.00- 22.67' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 767.40
 TRENCH INV ELEV 766.78

A15-5 CHATHAM SQUARE STA 25+58.42 - 32.00' LT
 STORM INLET, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 772.71
 INV 767.41 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A15-11 FIFTH AVE STA 439+43.00 - 22.67' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 771.47
 TRENCH INV ELEV 771.14

A14-5 FIFTH AVE STA 434+30.59 - 18.92' RT
 CATCH BASIN, PWSA TYPE 13 MODIFIED, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE
 GRATE, AND MANHOLE FRAME AND COVER
 TG ELEV 765.59, RIM ELEV 765.79
 INV 761.59 (15") OUT TO A14-4

A15-6 CHATHAM SQUARE STA 23+86.16 - 15.18' LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 773.48
 INV 769.15 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A15-12 FIFTH AVE STA 440+90.00 - 22.67' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 773.78
 TRENCH INV ELEV 773.16
 INV 771.68 (6") OUT TO A15-7

A15-7 FIFTH AVE STA 440+71.39 - 10.00' RT
 CATCH BASIN, PWSA TYPE 13 REVERSE
 MODIFIED, W/ 3-FLANGE CAST IRON
 FRAME AND BICYCLE SAFE GRATE
 AND MANHOLE FRAME AND COVER
 TG ELEV 773.39, RIM ELEV 773.52
 INV 771.00 (6") IN FROM A15-12
 INV 768.50 (15") OUT TO A15-3

A15-13 FIFTH AVE STA 441+39.00 - 22.67' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 774.73
 TRENCH INV ELEV 774.11

GENERAL NOTE:
 DRAINAGE STRUCTURE LOCATIONS, PIPE SIZES, AND
 ELEVATIONS SHOULD BE ADJUSTED WHERE NECESSARY
 TO ALIGN W/ EXISTING PIPE WHERE POSSIBLE.
 DETERMINE EXISTING PIPE ALIGNMENTS AND
 DEPTHS AND NOTIFY ENGINEER PRIOR TO CATCH
 BASIN CONSTRUCTION WHERE ADJUSTMENT
 IS NEEDED.



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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND DRAINAGE DATA DRAINAGE STRUCTURES A14 - A16		
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. CV70	SHT. 145

A16-2 FIFTH AVE STA 444+68.20 - 23.00' LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 782.84
 INV 779.50 (15") OUT
 CONNECT TO EXISTING
 USE DUCTILE IRON PIPE DUE TO
 SHALLOW RECEIVING PIPE
 (FIELD VERIFY)

A16-9 FIFTH AVE STA 443+97.27 - 10.00' RT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 780.96
 INV 776.54 (15") OUT TO A16-9

A17-1 LOGAN ST STA 20+34.38 - 11.26' LT
 CATCH BASIN, PWSA TYPE 13 MODIFIED, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE, AND MANHOLE FRAME AND COVER
 TG ELEV 796.53, RIM ELEV 796.96
 INV 791.68 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A17-6 FIFTH AVE STA 453+25.97 - 25.73' RT
 4' DIAMETER PWSA MANHOLE,
 W/ MANHOLE FRAME AND COVER
 RIM ELEV 805.45
 INV 800.08 (15") IN FROM A17-8
 INV 800.00 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A16-3 MAGEE ST STA 36+39.87 - 15.18' LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 791.25
 INV 787.33 (15") OUT TO EXS PIPE
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A16-10 FIFTH AVE STA 444+42.72 - 10.00' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 782.59
 TRENCH INV ELEV 782.26

A17-2 FIFTH AVE STA 449+61.74 - 18.85' RT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 795.80
 INV 789.84 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A17-8 FIFTH AVE STA 453+31.12 - 13.00' RT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 805.17
 INV 800.19 (15") OUT TO A17-6

A16-4 MAGEE ST STA 36+39.77 - 14.70' RT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 792.06
 INV 788.06 (15") OUT TO EXS PIPE
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)
 NOTE: THE PROPOSED STREET GRADING WILL
 NOT DRAIN TO THIS CATCH BASIN. IT IS TO
 BE BUILT ONLY IF FIELD ADJUSTMENTS RESULT
 IN A GUTTER DRAINING TO IT.

A16-11 FIFTH AVE STA 444+59.49 - 22.67' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 782.88
 TRENCH INV ELEV 782.55

A17-3 FIFTH AVE STA 453+36.11 - 18.00' LT
 CATCH BASIN, PWSA TYPE 13 MODIFIED, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE, AND MANHOLE FRAME AND COVER
 TG ELEV 805.06, RIM 805.48
 INV 801.10 (15") OUT TO A17-3A

A17-9 FIFTH AVE. STA 449+19.39 - 22.67' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 795.20
 TRENCH INV ELEV 794.62

A16-7 FIFTH AVE STA 448+37.01 - 20.49' LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 792.42
 INV 786.80 (UNK DIAMETER) OUT
 LOCATE AND CONNECT TO
 EXS INLET OUTLET PIPE

A16-12 FIFTH AVE STA 446+55.09 - 22.67' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 788.14
 TRENCH INV ELEV 787.81

A17-3A FIFTH AVE STA 453+31.95 - 26.23' LT
 4' DIAMETER PWSA MANHOLE,
 W/ MANHOLE FRAME AND COVER
 RIM ELEV 805.62
 INV 801.04 (15") IN FROM A17-3
 INV 800.63 OUT (15") MATCH EXS

A17-10 FIFTH AVE. STA 452+44.73 - 22.67' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 803.22
 TRENCH INV ELEV 802.64

A16-8 FIFTH AVE STA 443+89.52 - 6.00' RT
 EXS STORM/SEWER MANHOLE
 PWSA ID: MH002G063
 RIM ELEV 780.86
 GRADE ADJUSTMENT OF EXS PWSA MANHOLE
 RIM ELEV 780.89
 CORE HOLE IN EXISTING STRUCTURE
 INV 776.00 (15") IN FROM A16-9

A16-13 FIFTH AVE STA 448+36.00 - 10.49' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 793.20
 TRENCH INV ELEV 792.62

A16-14 FIFTH AVE STA 448+45.37 - 20.45' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 793.33
 TRENCH INV ELEV 792.75

GENERAL NOTE:
 DRAINAGE STRUCTURE LOCATIONS, PIPE SIZES, AND
 ELEVATIONS SHOULD BE ADJUSTED WHERE NECESSARY
 TO ALIGN W/ EXISTING PIPE WHERE POSSIBLE.
 DETERMINE EXISTING PIPE ALIGNMENTS AND
 DEPTHS AND NOTIFY ENGINEER PRIOR TO CATCH
 BASIN CONSTRUCTION WHERE ADJUSTMENT
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND DRAINAGE DATA DRAINAGE STRUCTURES A16 - A18		
Port Authority connecting people to life		CONTRACT NO. BRT-001
DWG. NO. CV71	SHT. 146	

A18-1 FIFTH AVE STA 457+22.92 - 9.53' RT
 CATCH BASIN, PWSA TYPE 5 W/
 BASKET GRATE
 G.I. CONTROL STRUCTURE**
 RIM ELEV 815.33
 INV 810.70 (15") OUT TO A18-1A
 **SEE STORMWATER MANAGEMENT PLANS

A18-1A FIFTH AVE STA 457+10.84 - 19.30' RT
 4' DIAMETER PWSA MANHOLE,
 W/ MANHOLE FRAME AND COVER
 RIM ELEV 815.68
 INV 810.58 (15") IN FROM A18-1
 INV 810.50 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A18-2 FIFTH AVE STA 457+11.41 - 18.00' LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 814.85
 INV 810.95 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A18-3 PRIDE ST STA 30+32.79 - 22.12' RT
 EXISTING INLET
 PWSA ID: CB002H006
 TG 815.26
 GRADE ADJUSTMENT OF EXISTING PWSA INLET
 TG ELEV 815.37
 ELEV 811.56 WATER

A18-4 PRIDE ST STA 30+55.45 - 18.81' LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 817.06
 INV 813.21 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A18-5 FIFTH AVE STA 454+60.50 - 13.00' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 808.74
 TRENCH INV ELEV 808.41

A18-6 FIFTH AVE STA 454+72.75 - 22.67' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 808.89
 TRENCH INV ELEV 808.56

A18-7 FIFTH AVE STA 455+80.00 - 22.67' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 811.66
 TRENCH INV ELEV 811.33

A18-11 FIFTH AVE STA 457+43.48 - 14.27' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 816.08
 TRENCH INV ELEV 815.45

A18-12 FIFTH AVE STA 457+51.11 - 20.67' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 816.26
 TRENCH INV ELEV 815.64

A19-1 VINE ST STA 30+36.33 - 18.21' LT
 CATCH BASIN, PWSA TYPE 13 MODIFIED, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE
 GRATE, AND MANHOLE FRAME AND COVER
 TG ELEV 823.10, RIM ELEV 823.50
 CONNECTED TO G.I. STRUCTURE**
 INV 819.55 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)
 **SEE STORMWATER MANAGEMENT PLANS

A19-2 FIFTH AVE STA 459+92.28 - 17.09' LT
 PWSA DOGHOUSE MANHOLE,
 W/ MANHOLE FRAME AND COVER
 RIM ELEV 822.45
 INV 818.65 (15") IN FROM A19-3
 INV 818.65 (15") IN FROM A19-4
 INV 817.90 (15") OUT TO EX PIPE
 (FIELD VERIFY)

A19-3 VINE ST STA 30+35.36 - 17.74' RT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 823.78
 INV 819.98 (15") OUT TO A19-2

A19-4 FIFTH AVE STA 460+13.96 - 18.00' LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 822.73
 INV 818.93 (15") OUT TO A19-2

A19-5 FIFTH AVE STA 460+63.73 - 23.37' RT
 PWSA MANHOLE SA-10C, W/ MANHOLE
 FRAME AND COVER
 RIM ELEV 823.93
 INV 817.40 (15") IN FROM A19-6
 INV 814.26 (15") OUT TO EX PIPE
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A19-6 FIFTH AVE STA 460+44.13 - 11.00' RT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 823.52
 INV 818.70 (6") IN FROM A19-14
 INV 817.68 (15") OUT TO A19-5

A19-8 FIFTH AVE STA 463+32.83 - 18.00' LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 829.72
 INV 823.92 (15") OUT TO EXS PIPE
 *LOCATE AND CONNECT TO EXS PIPE FROM
 EXS INLET, MAINTAIN POSITIVE DRAINAGE

A19-9 FIFTH AVE STA 458+63.03 - 20.67' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 819.22
 TRENCH INV ELEV 818.64

A19-10 FIFTH AVE STA 459+83.26 - 18.88' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 822.22
 TRENCH INV ELEV 821.60
 INV 820.02 (6") OUT TO A19-14

A19-11 FIFTH AVE STA 459+96.21 - 20.18' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 822.58
 TRENCH INV ELEV 821.96

A19-12 FIFTH AVE STA 460+24.51 - 20.67' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 823.21
 TRENCH INV ELEV 822.59
 INV 820.91 (6") OUT TO A19-14

A19-13 FIFTH AVE STA 460+37.51 - 20.67' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 823.39
 TRENCH INV ELEV 822.77

A19-14 FIFTH AVE STA 460+31.92 - 11.75' RT
 6" WYE CONNECTION
 INV 819.00 OUT TO A19-6

A19-15 FIFTH AVE STA 464+33.50 - 11.00' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 832.75
 TRENCH INV ELEV 832.42

A19-16 FIFTH AVE STA 464+49.81 - 20.67' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 833.11
 TRENCH INV ELEV 832.78

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Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. CV72	SHT. 147

A20-1 FIFTH AVE STA 466+23.86 - 22.79' RT
 4' DIAMETER PWSA MANHOLE,
 W/ MANHOLE FRAME AND COVER
 RIM ELEV 837.37
 INV 834.20 (15") IN FROM A20-2
 INV 834.10 (15") OUT TO EXS PIPE
 (FIELD VERIFY)

A20-2 FIFTH AVE STA 466+26.39 - 11.00' RT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 836.96
 INV 834.27 (15") OUT TO A20-1

A20-3 FIFTH AVE STA 467+47.17 - 9.57' RT
 EXS PWSA MANHOLE
 PWSA ID: MH0026067
 RIM ELEV 840.00
 GRADE ADJUSTMENT OF EXS PWSA MANHOLE
 RIM ELEV 839.87
 EXS INVERT 824.50
 CORE HOLE IN EXISTING DRAINAGE STRUCTURE
 INV 836.00 (15") IN FROM A20-4
 (FIELD VERIFY)

A20-4 FIFTH AVE STA 467+81.13 - 11.00' RT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 840.61
 INV 837.61 (6") IN FROM A20-10
 INV 836.61 (15") IN FROM A20-7
 INV 836.41 (15") OUT TO EXS MANHOLE A20-3
 (FIELD VERIFY)

A20-5 DINWIDDIE ST. STA 20+34.75 - 14.94' LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 843.28
 INV 839.17 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A20-6 FIFTH AVE STA 468+97.90 - 18.00' LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG 843.23
 INV 839.17 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A20-6A FIFTH AVE STA 468+94.08 - 11.95' LT
 EXS STORM/SEWER MANHOLE
 PWSA ID: X
 RIM ELEV 843.51
 GRADE ADJUSTMENT OF EXS PWSA MANHOLE
 RIM ELEV 843.26
 CORE HOLE IN EXISTING STRUCTURE
 INV UNK (15") IN FROM A20-6
 - MATCH EXISTING (+/- 832.1)

A20-7 FIFTH AVE STA 469+42.00 - 11.00' RT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 844.32
 INV 840.32 (15") IN FROM A21-1
 INV 840.22 (15") OUT TO A20-4

A20-9 FIFTH AVE STA 465+06.39 - 20.67' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 834.23
 TRENCH INV ELEV 833.90

A20-10 FIFTH AVE STA 467+49.00 - 28.60' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 839.46*
 TRENCH INV ELEV 838.84
 INV 837.36 (6") OUT TO A20-4

* ADJUST IF NEEDED TO DRAIN
 ADJACENT LAND

A20-11 FIFTH AVE STA 469+82.00 - 28.57' RT
 SIDEWALK DRAIN W/ ADA COMPLIANT
 AND BICYCLE SAFE GRATE
 TG ELEV 845.24*
 TRENCH INV ELEV 844.62

* ADJUST IF NEEDED TO DRAIN
 ADJACENT LAND

A21-1 FIFTH AVE STA 470+95.00 - 11.00' RT
 STORM INLET, PWSA TYPE 13 MODIFIED, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE, AND MANHOLE FRAME AND COVER
 CONNECTED TO G.I. STRUCTURE**
 TG ELEV 848.04, RIM ELEV 848.22
 INV 844.36 (8") IN FROM GI
 CONTROL STRUCTURE
 INV 844.04 (15") OUT TO A20-7

**SEE STORMWATER MANAGEMENT PLANS

A21-2 FIFTH AVE STA 471+07.00 - 20.67' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 848.50
 TRENCH INV ELEV 847.87
 INV 846.42 (6") OUT TO G1-A7A
 WYE INTO SHARED PIPE FROM A21-4

A21-3 FIFTH AVE. STA 471+86.25 - 20.67' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 849.90
 TRENCH INV ELEV 849.28

A21-4 FIFTH AVE. STA 472+05.90 - 18.71' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 850.29
 TRENCH INV ELEV 849.67

A21-6 FIFTH AVE. STA 472+60.50 - 32.52' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 851.04
 TRENCH INV ELEV 850.71

A21-7 FIFTH AVE. STA 472+84.85 - 19.45' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 852.30
 TRENCH INV ELEV 851.97

A21-8 FIFTH AVE. STA 473+05.40 - 21.49' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 852.48
 TRENCH INV ELEV 852.15

A21-9 FIFTH AVE. STA 473+92.00 - 21.49' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 853.72
 TRENCH INV ELEV 853.39

A21-10 FIFTH AVE. STA 474+40.64 - 21.50' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 853.71
 TRENCH INV ELEV 853.09

A21-11 FIFTH AVE. STA 474+83.17 - 21.50' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 853.23
 TRENCH INV ELEV 852.61

A21-12 FIFTH AVE. STA 474+89.75 - 14.88' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 853.02
 TRENCH INV ELEV 852.40

A21-13 FIFTH AVE STA 475+35.00 - 20.00' LT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 852.56
 TRENCH INV ELEV 851.94

GENERAL NOTE:

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Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. CV73	SHT. 148

A22-1 FIFTH AVE STA 477+50.33 - 9.17' LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 846.82
 INV 843.23 (6") IN FROM A22-10
 INV 837.33 (15") OUT TO A22-1A

A22-6 FIFTH AVE. STA 477+00.00 - 21.50' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 848.26
 TRENCH INV ELEV 847.64
 INV 846.16 (6") OUT FROM A22-2

A23-1A FIFTH AVE STA 482+17.07 - 5.97' RT
 4' DIAMETER PWSA MANHOLE,
 W/ MANHOLE FRAME AND COVER
 RIM ELEV 829.57
 INV 826.30 (15") IN FROM A23-2
 INV 822.30 (15") OUT
 MATCH EXISTING PIPE
 (FIELD VERIFY)

A22-1A FIFTH AVE STA 477+50.21 - 24.78' LT
 PWSA DOGHOUSE MANHOLE,
 W/ MANHOLE FRAME AND COVER
 RIM ELEV 847.77
 INV 836.50 (15") IN FROM A22-1

A22-7 FIFTH AVE. STA 479+75.00 - 13.52' LT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 838.77
 TRENCH INV ELEV 838.44

A23-2 FIFTH AVE STA 481+64.00 - 10.50' RT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 831.54
 INV 827.94 (6") IN FROM A23-4
 INV 827.74 (15") OUT TO A23-1A

A22-2 FIFTH AVE STA 477+17.51 - 11.83' RT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 G.I. CONTROL STRUCTURE**
 TG ELEV 847.66
 INV 845.96 (6") IN FROM A22-6
 INV 843.50 (15") OUT TO EXS
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)
 **SEE STORMWATER MANAGEMENT PLANS

A22-8 FIFTH AVE. STA 479+61.00 - 24.00' LT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 839.07
 TRENCH INV ELEV 838.74

A23-3 FIFTH AVE STA 482+57.05 - 19.61 LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 827.69
 INV 823.69 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A22-4 WYANDOTTE ST 30+50.24 - 8.70' RT
 EXISTING INLET
 PWSA ID: X
 TG ELEV 846.32
 GRADE ADJUSTMENT OF EXISTING PWSA INLET
 TG ELEV 846.44

A22-9 FIFTH AVE. STA 478+23.00 - 24.00' LT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 844.38
 TRENCH INV ELEV 844.05

A23-4 FIFTH AVE. STA 481+66.00 - 21.50' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 831.51
 TRENCH INV ELEV 830.89
 INV 829.41 (6") OUT TO A23-2

A22-5 FIFTH AVE. STA 476+39.00 - 21.50' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 849.53
 TRENCH INV ELEV 848.91

A22-10 FIFTH AVE STA 477+16.00 - 20.00' LT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 847.92
 TRENCH INV ELEV 847.30
 INV 845.82 (6") OUT FROM A22-1

A23-5 FIFTH AVE. STA 482+98.59 - 20.00' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 826.35
 TRENCH INV ELEV 825.73

A22-11 FIFTH AVE. STA 478+27.00 - 21.50' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 844.01
 TRENCH INV ELEV 843.39

*SHIFT MANHOLE LID TO MATCH INLET
 STEPS IF PRESENT. COORDINATE ELEVATION
 ADJUSTMENT W/ ENGINEER.

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	DWG. NO. CV74	SHT. 149

A24-1 FIFTH AVE STA 486+34.98 - 20.00' LT
 EXISTING INLET
 PWSA ID: CB0011L002
 TG ELEV 813.06
 ELEV 808.95 (DEBRIS)
 GRADE ADJUSTMENT OF EXISTING PWSA INLET
 TG ELEV 813.09

A24-5 FIFTH AVE STA 485+94.78 - 8.94' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 815.31
 TRENCH INV ELEV 814.69

A25-1 FIFTH AVE STA 490+63.62 - 20.00' LT
 EXISTING INLET
 GRADE ADJUSTMENT OF EXISTING PWSA INLET
 TG ELEV 815.37
 EXISTING INVERT UNK

A25-4A KIRKPATRICK ST STA 30+89.00 - 15.00' LT
 CORED WYE CONNECTION
 INV (15") IN FROM A25-4 (MATCH EXISTING)

A25-15 FIFTH AVE. STA 491+50.21- 80.18' LT
 TYPE 5 INLET BOX W/ TRANSITION SLAB
 SIDEWALK DRAIN W/ ADA COMPLIANT
 AND BICYCLE SAFE GRATE
 TG ELEV 823.70
 INV 817.04 (42") OUT TO A25-21

A24-1A FIFTH AVE STA 486+08.57 - 2.20' LT
 CUT IN WYE PIPE TRANSITION
 INV (15") TO FROM A24-2 (MATCH EXISTING)

A24-6 FIFTH AVE STA 488+98.21 - 19.90' LT
 EXISTING INLET
 PWSA ID: S1011L002
 TG ELEV 809.75
 ELEV 807.64 (DEBRIS)
 GRADE ADJUSTMENT OF EXISTING PWSA INLET
 TG ELEV 809.75

A25-2 FIFTH AVE STA 491+35.58 - 27.51' RT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE
 GRATE
 TG ELEV 818.76
 INV 815.66 (15") OUT TO A25-2A

A25-5 FIFTH AVE STA 491+63.90 - 21.50' LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 819.50
 INV 815.42 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A25-16 FIFTH AVE. 491+60.14 - 23.94' LT
 CCTV STA 5+60.00
 SEWER TAP TO EXISTING SEWER WYE, AT
 EXISTING PWSA 15" VCP SEWER MAIN
 (8") IN FROM FROM A25-17
 MAIN AT INVERT 811.23*
 560.0' DOWNSTREAM OF MH011L001
 (FIELD VERIFY) PRIOR TO CONSTRUCTION

A24-2 FIFTH AVE STA 486+04.27 - 6.09' RT
 CATCH BASIN, PWSA TYPE 5 W/
 BASKET GRATE
 G.I. CONTROL STRUCTURE**
 RIM ELEV 814.26
 INV 809.10 (15") OUT TO A24-1A
 **SEE STORMWATER MANAGEMENT PLANS

A24-7 FIFTH AVE STA 489+35.43 - 17.79' LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 810.50
 INV 806.50 (15") OUT TO A24-8

A25-2A FIFTH AVE STA 490+97.05 - 21.65' RT
 PWSA REBUILT INLET BOX
 W/ MANHOLE TOP
 RIM ELEV 817.52
 INV 814.80 (15") IN FROM A25-2
 INV 814.80 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A25-5A FIFTH AVE STA 491+53.00 - 24.00' LT
 CUT IN WYE PIPE TRANSITION
 INV (15") IN FROM A25-5 (MATCH EXISTING)

A25-17 FIFTH AVE. STA 491+66.20 - 30.63' LT
 DRAINAGE CLEANOUT STRUCTURE
 TOP ELEVATION 819.92'
 INV ELEV 815.00' (8") IN FROM A25-18
 INV ELEV 815.00' (8") OUT TO A25-16
 (FIELD VERIFY) PRIOR TO CONSTRUCTION

A24-3 FIFTH AVE STA 486+79.74 - 22.51' LT
 EXISTING INLET
 PWSA ID: CB0011L001
 TG ELEV 812.12
 GRADE ADJUSTMENT OF EXISTING PWSA INLET
 TG ELEV 811.92
 ELEV 808.72 (WATER)

A24-8 FIFTH AVE STA 489+46.24 - 21.55' LT
 PWSA DOGHOUSE MANHOLE,
 W/ MANHOLE FRAME AND COVER
 RIM ELEV 811.37
 INV 806.00 (15") IN FROM A24-7
 INV (15") MATCH EXS

A25-3 KIRKPATRICK ST STA 30+52.36 - 14.26' LT
 CATCH BASIN, PWSA TYPE 13 REVERSE
 MODIFIED, W/ 3-FLANGE CAST IRON
 FRAME AND BICYCLE SAFE GRATE
 AND MANHOLE FRAME AND COVER
 TG ELEV 819.20, RIM ELEV 819.34

A25-6 FIFTH AVE STA 492+34.12 - 19.22' RT *
 PWSA RECESSED CATCH BASIN CONVERSION
 RIM ELEV 823.33
 CONNECTED TO G.I. STRUCTURE
 SEE STORMWATER MANAGEMENT PLANS

A25-18 FIFTH AVE. STA 491+71.40 - 32.54' LT
 TRAP AND VENT
 TOP ELEVATION FLUSH W/ GROUND SURFACE
 INV ELEV 816.30' (8") IN FROM A25-22
 INV ELEV 815.50' (8") OUT TO A25-17
 (FIELD VERIFY) PRIOR TO CONSTRUCTION

A24-4 FIFTH AVE STA 487.30+42 - 20.00' LT
 EXISTING INLET
 PWSA ID: CB0011L004
 TG ELEV 810.70
 GRADE ADJUSTMENT OF EXISTING PWSA INLET
 TG ELEV 811.20
 ELEV 807.50 (DEBRIS)

A24-9 FIFTH AVE STA 485+87.00 - 20.00' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 815.67
 TRENCH INV ELEV 815.05

A25-3A KIRKPATRICK ST STA 30+73.43 - 33.60' LT
 EXISTING INLET
 GRADE ADJUSTMENT OF EXISTING PWSA INLET
 TG ELEV 821.00

A25-7 FIFTH AVE STA 494+50.00 - 18'.00 LT
 CATCH BASIN, PWSA TYPE 13 MODIFIED, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE, AND MANHOLE FRAME AND COVER
 TG ELEV 831.14, RIM ELEV 831.76
 INV 828.26 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A25-4 KIRKPATRICK ST. STA 30+92.91 - 22.00' LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 823.25
 INV 819.25 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

GENERAL NOTE:
 DRAINAGE STRUCTURE LOCATIONS, PIPE SIZES, AND
 ELEVATIONS SHOULD BE ADJUSTED WHERE NECESSARY
 TO ALIGN W/ EXISTING PIPE WHERE POSSIBLE.
 DETERMINE EXISTING PIPE ALIGNMENTS AND
 DEPTHS AND NOTIFY ENGINEER PRIOR TO CATCH
 BASIN CONSTRUCTION WHERE ADJUSTMENT
 IS NEEDED.

*SHIFT MANHOLE LID TO MATCH INLET
 STEPS IF PRESENT. COORDINATE ELEVATION
 ADJUSTMENT W/ ENGINEER.



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**(NOT FOR
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DRAWN	MRM
CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND DRAINAGE DATA DRAINAGE STRUCTURES A25 - A28		
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. CV75	SHT. 150

A22-4 WYANDOTTE ST 30+50.24 - 8.70' RT
 EXISTING INLET
 PWSA ID: X
 TG ELEV 846.32
 GRADE ADJUSTMENT OF EXISTING PWSA INLET
 TG ELEV 846.44

A23-1A FIFTH AVE STA 482+17.07 - 5.97' RT
 4' DIAMETER PWSA MANHOLE,
 W/ MANHOLE FRAME AND COVER
 RIM ELEV 829.57
 INV 826.30 (15") IN FROM A23-2
 INV 822.30 (15") OUT
 MATCH EXISTING PIPE
 (FIELD VERIFY)

A23-4 FIFTH AVE. STA 481+66.00 - 21.50' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 831.51
 TRENCH INV ELEV 830.89
 INV 829.41 (6") OUT TO A23-2

A24-3 FIFTH AVE STA 486+79.74 - 22.51' LT
 EXISTING INLET
 PWSA ID: CB0011L001
 TG ELEV 812.12
 GRADE ADJUSTMENT OF EXISTING PWSA INLET
 TG ELEV 811.92
 ELEV 808.72 (WATER)

A22-5 FIFTH AVE. STA 476+39.00 - 21.50' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 849.53
 TRENCH INV ELEV 848.91

A23-2 FIFTH AVE STA 481+64.00 - 10.50' RT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 831.54
 INV 827.94 (6") IN FROM A23-4
 INV 827.74 (15") OUT TO A23-1A

A24-1 FIFTH AVE STA 486+34.98 - 20.00' LT
 EXISTING INLET
 PWSA ID: CB0011L002
 TG ELEV 813.06
 ELEV 808.95 (DEBRIS)
 GRADE ADJUSTMENT OF EXISTING PWSA INLET
 TG ELEV 813.09

A24-4 FIFTH AVE STA 487.30+42 - 20.00' LT
 EXISTING INLET
 PWSA ID: CB0011L004
 TG ELEV 810.70
 GRADE ADJUSTMENT OF EXISTING PWSA INLET
 TG ELEV 811.20
 ELEV 807.50 (DEBRIS)

A22-6 FIFTH AVE. STA 477+00.00 - 21.50' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 848.26
 TRENCH INV ELEV 847.64
 INV 846.16 (6") OUT FROM A22-2

A23-3 FIFTH AVE STA 482+57.05 - 19.61 LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 827.69
 INV 823.69 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A24-1A FIFTH AVE STA 486+08.57 - 2.20' LT
 CUT IN WYE PIPE TRANSITION
 INV (15") TO FROM A24-2 (MATCH EXISTING)

A24-5 FIFTH AVE STA 485+94.78 - 8.94' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 815.31
 TRENCH INV ELEV 814.69

A22-7 FIFTH AVE. STA 479+75.00 - 13.52' LT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 838.77
 TRENCH INV ELEV 838.44

A23-5 FIFTH AVE. STA 482+98.59 - 20.00' RT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 826.35
 TRENCH INV ELEV 825.73

A24-2 FIFTH AVE STA 486+04.27 - 6.09' RT
 CATCH BASIN, PWSA TYPE 5 W/
 BASKET GRATE
 G.I. CONTROL STRUCTURE**
 RIM ELEV 814.26'
 INV 809.10 (15") OUT TO A24-1A
 **SEE STORMWATER MANAGEMENT PLANS

A22-8 FIFTH AVE. STA 479+61.00 - 24.00' LT
 SIDEWALK TRENCH DRAIN, PWSA W/ ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 839.07
 TRENCH INV ELEV 838.74

A24-6 FIFTH AVE STA 488+98.21 - 19.90' LT
 EXISTING INLET
 PWSA ID: S1011L002
 TG ELEV 809.75
 ELEV 807.64 (DEBRIS)
 GRADE ADJUSTMENT OF EXISTING PWSA INLET
 TG ELEV 809.75

A24-7 FIFTH AVE STA 489+35.43 - 17.79' LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 810.50
 INV 806.50 (15") OUT TO A24-8



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(NOT FOR CONSTRUCTION)

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND DRAINAGE DATA DRAINAGE STRUCTURES A29 - A35		
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. CV76	SHT. 151

A25-1 FIFTH AVE STA 490+63.62 - 20.00' LT
 EXISTING INLET
 GRADE ADJUSTMENT OF EXISTING PWSA INLET
 TG ELEV 815.37
 EXISTING INVERT UNK

A25-2 FIFTH AVE STA 491+35.58 - 27.51' RT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE
 GRATE
 TG ELEV 818.76
 INV 815.66 (15") OUT TO A25-2A

A25-10 FIFTH AVE. STA 492+02.79 - 25.17' LT
 TRAP, VENT, AND CLEANOUT
 INVERT ELEV 816.70' (6") IN FROM A25-11
 INVERT ELEV 816.00' (6") OUT TO A25-9

A25-2A FIFTH AVE STA 490+97.05 - 21.65' RT
 PWSA REBUILT INLET BOX
 W/ MANHOLE TOP
 RIM ELEV 817.52
 INV 814.80 (15") IN FROM A25-2
 INV 814.80 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A25-3 KIRKPATRICK ST STA 30+52.36 - 14.26' LT
 CATCH BASIN, PWSA TYPE 13 REVERSE
 MODIFIED, W/ 3-FLANGE CAST IRON
 FRAME AND BICYCLE SAFE GRATE
 AND MANHOLE FRAME AND COVER
 TG ELEV 819.20, RIM ELEV 819.34

A25-3A KIRKPATRICK ST STA 30+73.43 - 33.60' LT
 EXISTING INLET
 GRADE ADJUSTMENT OF EXISTING PWSA INLET
 TG ELEV 821.00

A25-4 KIRKPATRICK ST. STA 30+92.91 - 22.00' LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 823.25
 INV 819.25 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A26-1 FIFTH AVE STA 496+92.64 - 18.00' LT
 CATCH BASIN, PWSA TYPE 13 MODIFIED, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE, AND MANHOLE FRAME AND COVER
 TG ELEV 840.60, RIM ELEV 841.25
 INV 837.25 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A26-2 FIFTH AVE STA 497+34.97 - 18.00' LT
 CATCH BASIN, PWSA TYPE 13 MODIFIED, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE, AND MANHOLE FRAME AND COVER
 TG ELEV 842.32, RIM ELEV 842.93
 INV 838.06 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A26-3 FIFTH AVE STA 497+46.65 - 21.39' RT *
 PWSA RECESSED CATCH BASIN CONVERSION
 RIM ELEV 842.90

A26-4 FIFTH AVE STA 500+49.13 - 18.00' LT
 CATCH BASIN, PWSA TYPE 13 MODIFIED, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE, AND MANHOLE FRAME AND COVER
 TG ELEV 854.32, RIM ELEV 854.96
 INV 850.96 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A26-5 FIFTH AVE STA 501+88.76 - 20.85' RT *
 PWSA RECESSED CATCH BASIN CONVERSION
 RIM ELEV 860.82

A27-1 FIFTH AVE STA 503+46.91 - 21.04' RT *
 PWSA RECESSED CATCH BASIN CONVERSION
 RIM ELEV 866.93

A27-3 FIFTH AVE STA 504+37.71 - 19.00' LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 869.84
 INV 865.84 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A27-4 FIFTH AVE STA 504+84.46 - 19.00' LT
 CATCH BASIN, PWSA TYPE 13, W/
 3-FLANGE CAST IRON FRAME AND BICYCLE
 SAFE GRATE
 TG ELEV 871.69
 INV 867.69 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)

A28-5 FIFTH AVE STA 511+82.95 - 16.05' RT
 PWSA DOGHOUSE MANHOLE,
 W/ MANHOLE FRAME AND COVER
 RIM ELEV 903.21
 INV 899.10 (15") IN FROM A28-6
 INV 896.00 (15") OUT
 CONNECT TO EXISTING PIPE
 (FIELD VERIFY)



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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND DRAINAGE DATA DRAINAGE STRUCTURES A36 - A38	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. CV77	SHT. 152

G01-1 FORBES AVE STA 123+02.97 - 18.8' RT CATCH BASIN, PWSA TYPE 13, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 TG ELEV 781.80
 INV 777.39* (15") OUT TO EXS PIPE
 *FIELD VERIFY PRIOR TO CONSTRUCTION

G01-2 FORBES AVE STA 126+25.79 - 16.4' LT CATCH BASIN, PWSA TYPE 13, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 TG ELEV 791.67
 INV 787.73* (15") OUT TO EXS PIPE
 *FIELD VERIFY PRIOR TO CONSTRUCTION

G01-3 FORBES AVE STA 127+37.40 - 16.3' RT CATCH BASIN, PWSA TYPE 13, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 TG ELEV 794.76
 INV 792.38* (15") OUT TO EXS PIPE
 *FIELD VERIFY PRIOR TO CONSTRUCTION

G02-1 FORBES AVE STA 129+56.27 - 16.6' LT CATCH BASIN, PWSA TYPE 13 MODIFIED, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 TG ELEV 800.11
 INV 795.80* (15") OUT TO EXS PIPE
 *FIELD VERIFY PRIOR TO CONSTRUCTION

G02-2 FORBES AVE STA 132+45.73 - 16.7' LT CATCH BASIN, PWSA TYPE 13 MODIFIED, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 TG ELEV 803.28
 INV 798.41* (15") OUT TO EXS PIPE
 *FIELD VERIFY PRIOR TO CONSTRUCTION

G02-3 FORBES AVE STA 132+35.72 - 16.5' RT CATCH BASIN, PWSA TYPE 13 MODIFIED, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 TG ELEV 803.21
 INV 799.27* (15") OUT TO EXS PIPE
 *FIELD VERIFY PRIOR TO CONSTRUCTION

G04-3 FORBES AVE STA 141+56.37 - 20.3' RT CATCH BASIN, PWSA TYPE 13 MODIFIED, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 TG ELEV 799.70
 INV 795.76* (15") OUT TO EXS PIPE
 *FIELD VERIFY PRIOR TO CONSTRUCTION

G04-4 FORBES AVE STA 142+30.52 - 34.9' LT CATCH BASIN, PWSA TYPE 13, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 G.I. CONTROL STRUCTURE*
 TG ELEV 799.31
 INV 791.31 (15") OUT TO G04-5
 *SEE STORMWATER MANAGEMENT PLANS

G04-5 FORBES AVE STA 142+63.86 - 5.0' LT EXS MANHOLE
 RIM ELEVATION 800.32
 MANHOLE COVER ADJUSTMENT
 RIM ELEVATION 800.22'
 CORE HOLE IN EXISTING DRAINAGE STRUCTURE
 INV 789.23 (15") IN FROM G04-4
 INV 782.82 (36") IN FROM EX PIPE
 (PWSA MH002M035)

G04-12 STEVENSON ST STA 12+15.28 - 17.9' LT CATCH BASIN, PWSA TYPE 13, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 TG ELEV 800.88
 INV 796.01* (15") OUT TO EXS PIPE
 *FIELD VERIFY PRIOR TO CONSTRUCTION

G05-1 FORBES AVE STA 143+60.00 - 20.9' RT CATCH BASIN, PWSA TYPE 13, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 G.I. CONTROL STRUCTURE*
 TG ELEV 801.39
 INV 791.39 (15") OUT TO G05-2
 *SEE STORMWATER MANAGEMENT PLANS

G05-2 FORBES AVE STA 143+78.68 - 2.7' LT EXS MANHOLE
 RIM ELEVATION 801.81
 MANHOLE COVER ADJUSTMENT
 RIM ELEVATION 801.76'
 CORE HOLE IN EXISTING DRAINAGE STRUCTURE
 INV 790.56 (15") IN FROM G05-1
 INV 784.46 (36") IN FROM EX PIPE
 (PWSA MH002M018)

G05-3 PRIDE ST STA 12+07.00 - 14.8' LT CATCH BASIN, PWSA TYPE 13, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 TG ELEV 804.20
 INV 796.20 (15") OUT TO G05-4

G05-4 PRIDE ST STA 12+07.32 - 5.3' RT CUT IN WYE PIPE TRANSITION
 INV (15") IN FROM G05-3 (MATCH EXISTING)

G05-5 FORBES AVE STA 146+00.00 - 18.5' RT CATCH BASIN, PWSA TYPE 13, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 G.I. CONTROL STRUCTURE*
 TG ELEV 804.85
 INV 800.25** (15") OUT TO EXS PIPE
 *SEE STORMWATER MANAGEMENT PLANS
 **FIELD VERIFY PRIOR TO CONSTRUCTION

G05-6 FORBES AVE STA 146+39.65 - 3.4' LT CUT IN WYE PIPE TRANSITION
 INV (15") IN FROM G05-7 (MATCH EXISTING)

G05-7 FORBES AVE STA 146+39.65 - 10.5' LT CATCH BASIN, PWSA TYPE 13, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 G.I. CONTROL STRUCTURE*
 TG ELEV 806.00
 INV 796.00 (15") OUT TO G05-7
 *SEE STORMWATER MANAGEMENT PLANS

G05-8 PRIDE ST STA 27+15.09 - 14.4' RT CATCH BASIN, PWSA TYPE 13, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 TG ELEV 805.08
 INV 797.08 (15") OUT TO G05-9

G05-9 PRIDE ST STA 27+15.09 - 3.6' LT CUT IN WYE PIPE TRANSITION
 INV (15") IN FROM G05-8 (MATCH EXISTING)

G05-10 PRIDE ST STA 12+08.50 - 15.0' RT CATCH BASIN, PWSA TYPE 13, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 TG ELEV 804.63
 INV 799.47* (15") OUT TO EXS PIPE
 *FIELD VERIFY PRIOR TO CONSTRUCTION

G05-11 FORBES AVE STA 148+92.05 - 2.4' LT CUT IN WYE PIPE TRANSITION
 INV (15") IN FROM G05-13 (MATCH EXISTING)

G05-12 FORBES AVE STA 148+60.00 - 18.5' RT CATCH BASIN, PWSA TYPE 13, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 G.I. CONTROL STRUCTURE*
 TG ELEV 811.24
 INV 807.30** (15") OUT TO EXS PIPE
 *SEE STORMWATER MANAGEMENT PLANS
 **FIELD VERIFY PRIOR TO CONSTRUCTION

G05-13 FORBES AVE STA 148+92.05 - 10.5' LT CATCH BASIN, PWSA TYPE 13, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 TG ELEV 812.21
 INV 810.37 (6") IN FROM G05-19
 INV 802.21 (15") OUT TO G05-11

G05-14 MARION ST STA 20+29.50 - 4.3' LT CUT IN WYE PIPE TRANSITION
 INV (15") IN FROM G05-15 (MATCH EXISTING)

G05-15 MARION ST STA 20+29.50 - 14.7' RT CATCH BASIN, PWSA TYPE 13, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 TG ELEV 810.94
 INV 802.94 (15") OUT TO EXS PIPE

G05-16 MARION ST STA 20+39.86 - 14.8' LT CATCH BASIN, PWSA TYPE 13, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 TG ELEV 810.87
 INV 802.87 (15") OUT TO EXS PIPE

G05-17 MARION ST STA 20+39.86 - 3.6' LT CUT IN WYE PIPE TRANSITION
 INV (15") IN FROM G05-3 (MATCH EXISTING)

G05-18 MARION ST STA 12+43.00 - 14.8' LT EXISTING INLET PWSA IN002M003
 ELEVATION 810.33
 INLET GRATE ADJUSTMENT
 PROPOSED GRATE ELEVATION 809.93
 EXISTING INVERT ELEVATIONS UNKNOWN

G05-19 FORBES AVE STA 149+07.50 - 20.2' LT PWSA SIDEWALK TRENCH DRAIN WITH ADA COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 812.69
 TRENCH INV ELEV 812.06
 INV 810.59 (6") OUT TO G05-13

G06-1 FORBES AVE STA 149+93.50 - 10.5' LT CATCH BASIN, PWSA TYPE 13, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 TG ELEV 814.90
 INV 805.54 (15") OUT TO EXS PIPE

G06-2 FORBES AVE STA 149+97.50 - 18.5' RT CATCH BASIN, PWSA TYPE 13, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 G.I. CONTROL STRUCTURE*
 TG ELEV 814.83
 INV 805.83 (15") OUT TO EXS PIPE
 *SEE STORMWATER MANAGEMENT PLANS

G06-3 FORBES AVE STA 149+98.50 - 3.1' LT CUT IN WYE PIPE TRANSITION
 INV (15") IN FROM G06-1 (MATCH EXISTING)

G06-4 FORBES AVE STA 152+94.93 - 5.0' LT CATCH BASIN, PWSA TYPE 13 MODIFIED, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 TG ELEV 822.36
 INV 820.00 (6") IN FROM G06-13
 INV 813.53 (15") OUT TO G06-7

G06-5 VAN BRAAM ST STA 20+33.00 - 14.8' RT CATCH BASIN, PWSA TYPE 13, W/ 3-FLANGE CAST IRON FRAME AND BICYCLE SAFE GRATE
 TG ELEV 821.87
 INV 813.87 (15") OUT TO G06-7

GENERAL NOTE:
 DRAINAGE STRUCTURE LOCATIONS, PIPE SIZES, AND ELEVATIONS SHOULD BE ADJUSTED WHERE NECESSARY TO ALIGN WITH EXISTING PIPE WHERE POSSIBLE. DETERMINE EXISTING PIPE ALIGNMENTS AND DEPTHS AND NOTIFY ENGINEER PRIOR TO CATCH BASIN CONSTRUCTION WHERE ADJUSTMENT IS NEEDED.



NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

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DRAWN	<u>DPV</u>
CHECKED	<u>KCF</u>
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DATE	<u>05/01/24</u>
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND DRAINAGE DATA DRAINAGE STRUCTURES G01 - G06		
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. CV78	SHT. 153

G06-6 FORBES AVE STA 152+94.19 - 18.0' RT
 CATCH BASIN, PWSA TYPE 13,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 TG ELEV 821.88
 INV 817.78* (15") OUT TO EXS PIPE
 *FIELD VERIFY PRIOR TO CONSTRUCTION

G07-1 FORBES AVE STA 156+67.30 - 10.8' LT
 STORM INLET, PWSA TYPE 13,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 TG ELEV 831.07
 INV 826.98 (15") OUT TO G07-2

G08-3 FORBES AVE STA 164+01.87 - 11.0' LT
 PWSA SIDEWALK TRENCH DRAIN WITH ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 833.57
 TRENCH INV ELEV 833.24

G09-6 FORBES AVE STA 164+90.50 - 1.3' LT
 CUT IN WYE PIPE TRANSITION
 INV (15") IN FROM G09-1 (MATCH EXISTING)

G10-2 FORBES AVE STA 170+55.00 - 4.6' LT
 CUT IN WYE PIPE TRANSITION
 INV (15") IN FROM G10-1 (MATCH EXISTING)

G06-7 FORBES AVE STA 152+68.00 - 3.1' LT
 48" DIAMETER MANHOLE,
 W/ MANHOLE FRAME AND COVER
 TR ELEV 821.93
 INV 813.07 (15") IN FROM G06-4
 INV 813.07 (15") IN FROM G06-5
 INV 812.77 (15") OUT TO G06-8

G07-2 FORBES AVE STA 156+17.50 - 9.5' LT
 CATCH BASIN, PWSA TYPE 13,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 TG ELEV 830.25
 INV 826.51 (15") IN FROM G07-1
 INV 826.31 (15") OUT TO G07-3

G08-4 FORBES AVE STA 164+27.77 - 20.7' LT
 PWSA SIDEWALK TRENCH DRAIN WITH ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 833.16
 TRENCH INV ELEV 832.54

G09-7 JUMONVILLE ST STA 20+61.50 - 14.9' RT
 CATCH BASIN, PWSA TYPE 13,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 TG ELEV 830.74
 INV 826.80 (15") OUT TO G09-8

G10-3 FORBES AVE STA 170+95.00 - 17.8' RT
 CATCH BASIN, PWSA TYPE 13,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 G.I. CONTROL STRUCTURE*
 TG ELEV 808.65
 INV 802.42** (15") OUT TO EXS PIPE
 *SEE STORMWATER MANAGEMENT PLANS
 **FIELD VERIFY PRIOR TO CONSTRUCTION

G06-8 FORBES AVE STA 152+32.31 - 3.1' LT
 EXS MANHOLE
 RIM ELEVATION 820.95
 MANHOLE COVER ADJUSTMENT
 RIM ELEVATION 821.22
 CORE HOLE IN EXISTING DRAINAGE STRUCTURE
 INV 809.45 (15") IN FROM G06-7
 INV. 809.25 (36") OUT TO EX PIPE
 (PWSA MH011J025)

G07-3 MILTENBERGER ST STA 12+94.92 - 11.9' RT
 48" DIAMETER MANHOLE,
 W/ MANHOLE FRAME AND COVER
 TR ELEV 830.10
 INV 826.15 (15") IN FROM G07-2
 INV 825.95* (15") OUT TO EXS PIPE
 *FIELD VERIFY PRIOR TO CONSTRUCTION

G09-1 FORBES AVE STA 164+90.50 - 11.0' LT
 CATCH BASIN, PWSA TYPE 13,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 TG ELEV 831.37
 INV 828.05 (6") IN FROM G09-11
 INV 823.95 (15") OUT TO G09-6

G09-8 JUMONVILLE ST STA 20+36.46 - 16.2' RT
 48" DIAMETER MANHOLE,
 W/ MANHOLE FRAME AND COVER
 TR ELEV 829.05
 INV 824.95 (15") IN FROM G09-7
 INV 824.65* (15") OUT TO EXS PIPE
 *FIELD VERIFY PRIOR TO CONSTRUCTION

G10-4 SENECA ST STA 12+16.70 - 15.1' LT
 CATCH BASIN, PWSA TYPE 13,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 TG ELEV 807.50
 INV 803.56 (15") OUT TO EXS PIPE

G06-9 VAN BRAAM ST STA 20+31.50 - 14.9' LT
 CATCH BASIN, PWSA TYPE 13,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 TG ELEV 821.42
 INV 817.22* (15") OUT TO EXS PIPE
 *FIELD VERIFY PRIOR TO CONSTRUCTION

G07-4 FORBES AVE STA 156+42.00 - 18.3' RT
 CATCH BASIN, PWSA TYPE 13,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 G.I. CONTROL STRUCTURE*
 TG ELEV 830.37
 INV 826.37** (15") OUT TO EXS PIPE
 *SEE STORMWATER MANAGEMENT PLANS
 **FIELD VERIFY PRIOR TO CONSTRUCTION

G09-2 FORBES AVE STA 165+96.50 - 5.0' LT
 CATCH BASIN, PWSA TYPE 13,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 TG ELEV 829.36
 INV 821.36 (15") OUT TO G09-3

G09-9 JUMONVILLE ST STA 12+02.80 - 15.0' RT
 CATCH BASIN, PWSA TYPE 13,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 TG ELEV 827.82
 INV 823.88* (15") OUT TO EXS PIPE
 *FIELD VERIFY PRIOR TO CONSTRUCTION

G10-6 SENECA ST STA 12+21.41 - 14.9' RT
 CATCH BASIN, PWSA TYPE 13,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 TG ELEV 806.12
 INV 801.31* (15") OUT TO EXS
 *FIELD VERIFY PRIOR TO CONSTRUCTION

G06-10 FORBES AVE STA 149+61.50 - 20.2' LT
 PWSA SIDEWALK TRENCH DRAIN WITH ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 814.47
 TRENCH INV ELEV 813.84

G07-8 FORBES AVE STA 155+12.65 - 20.7' LT
 PWSA SIDEWALK TRENCH DRAIN WITH ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 827.75
 TRENCH INV ELEV 827.12

G09-3 FORBES AVE STA 165+96.50 - 2.0' RT
 CUT IN WYE PIPE TRANSITION
 INV (15") IN FROM G09-2 (MATCH EXISTING)

G09-11 FORBES AVE STA 165+31.85 - 20.7' LT
 PWSA SIDEWALK TRENCH DRAIN WITH ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 830.81
 TRENCH INV ELEV 830.18
 INV 828.71 (6") OUT TO G09-1

G10-9 FORBES AVE STA 170+55.40 - 20.9' LT
 PWSA SIDEWALK TRENCH DRAIN WITH ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 810.35
 TRENCH INV ELEV 809.72
 INV 808.25 (6") OUT TO G10-1

G06-12 FORBES AVE STA 149+97.50 - 3.1' LT
 CUT IN WYE PIPE TRANSITION
 INV (15") IN FROM G06-2 (MATCH EXISTING)

G08-1 FORBES AVE STA 163+52.78 - 20.7' LT
 PWSA SIDEWALK TRENCH DRAIN WITH ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 834.34
 TRENCH INV ELEV 833.72

G09-4 FORBES AVE STA 165+96.50 - 18.0' RT
 CATCH BASIN, PWSA TYPE 13,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 G.I. CONTROL STRUCTURE*
 TG ELEV 829.00
 INV 822.76 (15") OUT TO EXS PIPE
 *SEE STORMWATER MANAGEMENT PLANS

G09-12 FORBES AVE STA 166+81.40 - 20.9' LT
 PWSA SIDEWALK TRENCH DRAIN WITH ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 822.69
 TRENCH INV ELEV 822.06

G11-1 FORBES AVE STA 174+65.00 - 11.3' LT
 STORM INLET, PWSA TYPE 13,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 TG ELEV 790.50
 INV 780.50 (15") OUT TO G11-2

G06-13 FORBES AVE STA 152+95.00 - 20.7' LT
 PWSA SIDEWALK TRENCH DRAIN WITH ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 822.70
 TRENCH INV ELEV 822.07
 INV 820.60 (6") OUT TO G06-4

G08-2 FORBES AVE STA 163+82.50 - 20.7' LT
 PWSA SIDEWALK TRENCH DRAIN WITH ADA
 COMPLIANT AND BICYCLE SAFE GRATE
 TG ELEV 833.92
 TRENCH INV ELEV 833.30

G09-5 JUMONVILLE ST STA 20+34.00 - 15.1' LT
 CATCH BASIN, PWSA TYPE 13 MODIFIED,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 TG ELEV 828.75
 INV 824.93* (15") OUT TO EXS PIPE
 *FIELD VERIFY PRIOR TO CONSTRUCTION

G10-1 FORBES AVE STA 170+55.40 - 11.3' LT
 CATCH BASIN, PWSA TYPE 13,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 TG ELEV 810.87
 INV 808.05 (6") IN FROM G10-9
 INV 800.87 (15") OUT TO G10-2

GENERAL NOTE:
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 DETERMINE EXISTING PIPE ALIGNMENTS AND
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 IS NEEDED.



Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219



GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND DRAINAGE DATA DRAINAGE STRUCTURES G06 - G11		
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. CV79	SHT. 154

G11-2 FORBES AVE STA 174+65.00 - 4.2' LT
 CUT IN WYE PIPE TRANSITION
 INV (15") IN FROM G10-1 (MATCH EXISTING)

G12-6 FORBES AVE STA 178+46.77 - 35.7' RT
 48" DIAMETER MANHOLE,
 W/ MANHOLE FRAME AND COVER
 TR ELEV 774.40
 INV 770.04 (15") IN FROM G12-4
 INV 769.28* (15") OUT TO EXS PIPE
 *FIELD VERIFY PRIOR TO CONSTRUCTION

G11-3 FORBES AVE STA 175+02.00 - 17.8' RT
 CATCH BASIN, PWSA TYPE 13,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 TG ELEV 788.38
 INV 784.44 (15") OUT TO G11-4

G19-1 FORBES AVE STA 213+82.10 - 21.8' RT
 EXISTING INLET PWSA CBO28K011
 ELEVATION 915.91
 INLET GRATE ADJUSTMENT
 PROPOSED GRATE ELEVATION
 TO MATCH EXISTING, VERIFY
 EXISTING INVERT ELEVATIONS UNKNOWN

G11-5 MOULTRIE ST STA 53+35.50 - 11.0' RT
 CATCH BASIN, PWSA TYPE 13 MODIFIED,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 TG ELEV 787.64
 INV 784.03* (15") OUT TO EXS PIPE
 *FIELD VERIFY PRIOR TO CONSTRUCTION

G21-1 FORBES AVE STA 224+08.20 - 20.1' RT
 EXISTING INLET PWSA CBO28F013
 ELEVATION 905.71
 INLET GRATE ADJUSTMENT
 PROPOSED GRATE ELEVATION
 TO MATCH EXISTING, VERIFY
 EXISTING INVERT ELEVATIONS UNKNOWN

G12-1 FORBES AVE STA 177+48.00 - 8.1' LT
 CATCH BASIN, PWSA TYPE 13 MODIFIED,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 TG ELEV 776.31
 INV 764.31 (15") OUT TO G12-2

G12-2 FORBES AVE STA 177+48 - 0.0' LT/RT
 CUT IN WYE PIPE TRANSITION
 INV (15") IN FROM G12-1 (MATCH EXISTING)

G12-3 FORBES AVE STA 177+65.00 - 23.0' RT
 CATCH BASIN, PWSA TYPE 13 MODIFIED,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 TG ELEV 775.48
 INV 771.54* (15") OUT TO EXS PIPE
 *FIELD VERIFY PRIOR TO CONSTRUCTION

G12-4 FORBES AVE STA 178+46.51 - 29.5' RT
 CATCH BASIN, PWSA TYPE 13,
 W/ 3-FLANGE CAST IRON FRAME AND
 BICYCLE SAFE GRATE
 TG ELEV 774.48
 INV 770.54 (15") OUT TO G12-6

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND DRAINAGE DATA DRAINAGE STRUCTURES G11 - G21	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. CV80	SHT. 155

TRENCH DRAIN DATA TABLE
(STA, OFFSET, ELEV ARE IN FT)

NEAR ENDPOINT					TO NEXT POINT		VERTEX				TO NEXT POINT		FAR ENDPOINT					OUTLET PIPE					
CALLOUT	STA	OFFSET	SIDE	TG ELEV	INV ELEV	LENGTH	SLOPE	CALLOUT	STA	OFFSET	SIDE	TG ELEV	INV ELEV	LENGTH	SLOPE	CALLOUT	STA	OFFSET	SIDE	TG ELEV	INV ELEV	INV ELEV	
G05-19	149+07.50	20.2'	LT	812.69	812.06	54.00	-4.46%	-	-	-	-	-	-	-	-	G06-10	149+61.50	20.2'	LT	814.47	813.84	810.59	
G06-13	152+95.00	20.7'	LT	822.7	822.07	217.65	-2.61%	-	-	-	-	-	-	-	-	G07-8	155+12.65	20.7'	LT	827.75	827.12	820.6	
G08-1	163+52.78	20.7'	LT	834.34	833.72	29.22	1.44%	G08-2	163+82.00	20.7'	LT	833.92	833.30	19.87	0.30%	G08-3	164+01.87	11.0'	LT	833.57	833.24	N/A	
G08-4	164+27.77	20.7'	LT	833.16	832.54	104.08	1.66%	-	-	-	-	-	-	-	-	G09-11	165+31.85	20.7'	LT	830.81	830.18	828.71	
G09-12	166+81.40	20.9'	LT	822.69	822.06	374.00	3.13%	-	-	-	-	-	-	-	-	G10-9	170+55.40	20.9'	LT	810.35	809.72	808.25	
A14-9	436+14.00	22.8	RT	766.33	765.71	73.00	-2.32%	-	-	-	-	-	-	-	-	A14-10	436+87.00	22.67	RT	767.40	766.78	764.23	
A15-9	438+82.39	10	RT	770.62	770.29	11.61	-2.50%	A15-10	438+94.00	22.67	RT	770.91	770.58	49.00	-1.14%	A15-11	439+43.00	22.67	RT	771.47	771.14	-	
A15-12	440+90.00	22.67	RT	773.78	773.16	49.00	-3.20%	-	-	-	-	-	-	-	-	A15-13	441+39.00	22.67	RT	774.73	774.11	771.68	
A16-10	444+42.72	10	RT	782.59	782.26	16.77	-1.73%	A16-11	444+59.49	22.67	RT	782.88	782.55	195.60	-2.69%	A16-12	446+55.09	22.67	RT	788.14	787.81	-	
A16-13	448+36.00	10.49	RT	793.20	792.62	9.37	-1.39%	A16-14*	448+45.37	20.45	RT	793.33	792.75										
								A17-9*	449+19.39	22.67	RT	795.20	794.62	325.34	-2.47%	A17-10	452+44.73	22.67	RT	803.22	802.64	-	
A18-5	454+60.50	13	RT	808.74	808.41	12.25	-1.22%	A18-6	454+72.75	22.67	RT	808.89	808.56	107.25	-2.58%	A18-7	455+80.00	22.67	RT	811.66	811.33	-	
A18-11	457+43.48	14.27	RT	816.08	815.45	7.63	-2.49%	A18-12	457+51.11	20.67	RT	816.26	815.64	111.92	-2.68%	A19-9	458+63.03	20.67	RT	819.22	818.64	-	
A19-10	459+83.26	18.88	RT	822.22	821.60	12.95	-7.57%	-	-	-	-	-	-	-	-	A19-11	459+96.21	20.18	RT	822.58	821.96	820.02	
A19-12	460+24.51	20.67	RT	823.21	822.59	13.00	-6.15%	-	-	-	-	-	-	-	-	A19-13	460+37.51	20.67	RT	823.39	822.77	820.91	
A19-15	464+33.50	11	RT	832.75	832.42	16.31	-2.21%	A19-16	464+49.81	20.67	RT	833.11	832.78	56.58	-1.98%	A20-9	465+06.39	20.67	RT	834.23	833.9	-	
A20-10	467+49.00	28.6	RT	839.46	838.84	233.00	-2.75%	-	-	-	-	-	-	-	-	A20-11	469+82.00	28.57	RT	845.24	844.62	837.36	
A21-2	471+07.00	20.67	RT	848.50	847.87	79.25	-1.78%	A21-3	471+86.25	20.67	RT	849.90	849.28	19.65	-1.98%	A21-4	472+05.90	18.71	RT	850.29	849.67	846.42	
A21-6	472+60.50	32.52	RT	851.04	850.71	24.35	-5.17%	A21-7*	472+84.85	19.45	RT	852.30	851.97										
								A21-8*	473+05.40	21.49	RT	852.48	852.15	86.60	-1.43%	A21-9	473+92.00	21.49	RT	853.72	853.39	-	
A21-10	474+40.64	21.5	RT	853.71	853.09	42.53	1.13%	A21-11	474+83.17	21.5	RT	853.23	852.61	6.58	3.19%	A21-12	474+89.75	14.88	RT	853.02	852.40	-	
A21-13	475+35.00	20	LT	852.56	851.94	181.00	2.22%	-	-	-	-	-	-	-	-	A22-10	477+16.00	20	LT	847.92	847.30	845.82	
A22-5	476+39.00	21.5	RT	849.53	848.91	61.00	1.07%	-	-	-	-	-	-	-	-	A22-6	477+00.00	21.5	RT	848.26	847.64	846.16	
A22-9	478+23.00	24	LT	844.38	844.05	138.00	3.85%	A22-8	479+61.00	24	LT	839.07	838.74	14.00	2.14%	A22-7	479+75.00	13.52	LT	838.77	838.44	-	
A22-11	478+27.00	21.5	RT	844.01	843.39	339.00	3.50%	-	-	-	-	-	-	-	-	A23-4	481+66.00	21.5	RT	831.51	830.89	829.41	
A23-5	482+98.59	20	RT	826.35	825.73	285.41	3.74%	A24-9	485+84.00	20	RT	815.66	815.06	7.72	3.24%	A24-5	485+91.72	8.94	RT	815.43	814.81	-	
A32-3	533+80.95	29.54	LT	929.53	928.91	101.09	0.08%	-	-	-	-	-	-	-	-	A33-4	534+82.04	29.52	LT	928.83	928.21	926.73	
A33-5	534+90.78	29.51	LT	928.79	928.17	61.04	-1.47%	-	-	-	-	-	-	-	-	A33-6	535+51.82	29.54	LT	929.07	928.45	926.69	
A33-11	538+15.00	23	LT	931.81	931.35	11.23	-0.53%	A33-12	538+26.23	34.18	LT	931.76	931.41	84.44	-1.17%	A33-13	539+10.67	34.18	LT	932.86	932.40	-	

NOTES:

1. ENDPOINTS REFER TO THE LONGITUDINAL CENTERLINE OF THE TRENCH EITHER AT THE OUTSIDE EDGE OF THE CONCRETE OR, IF THE TRENCH OUTLETS TO THE STREET, AT THE BASE OF CURB. BETWEEN POINTS, FOLLOW SURFACE ELEV OF ADJOINING PAVEMENT.
2. NOT ALL TRENCHES HAVE A VERTEX OR OUTLET PIPE.
3. THIS TRENCH DRAIN HAS FOUR VERTECES.



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PORT AUTHORITY OF ALLEGHENY COUNTY
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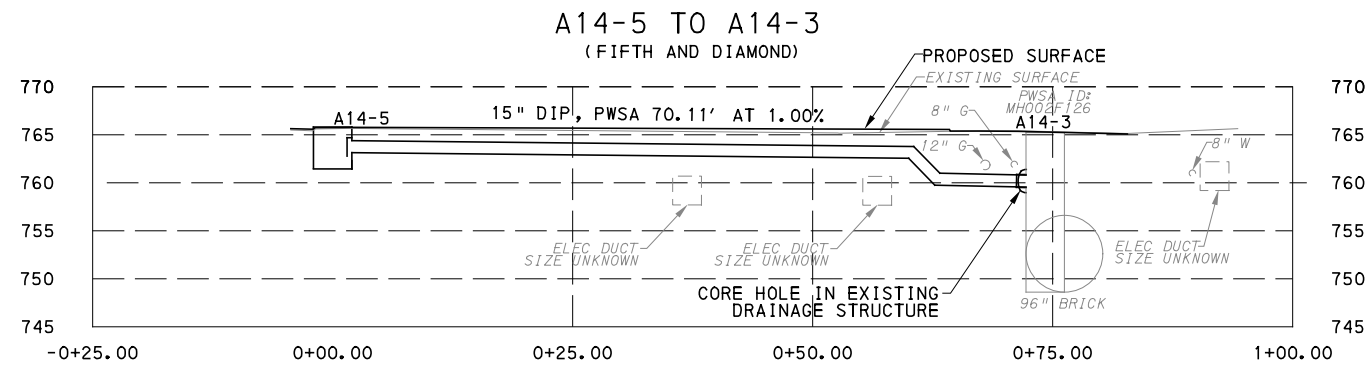
BUS RAPID TRANSIT UPTOWN TO OAKLAND
DRAINAGE DATA
TRENCH DRAIN DATA TABLE



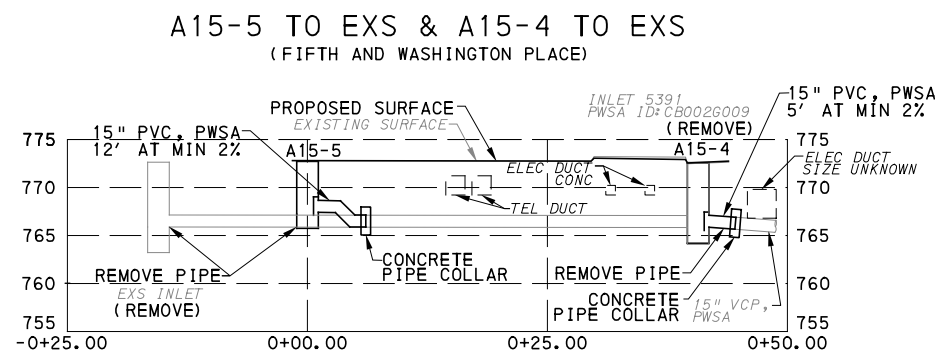
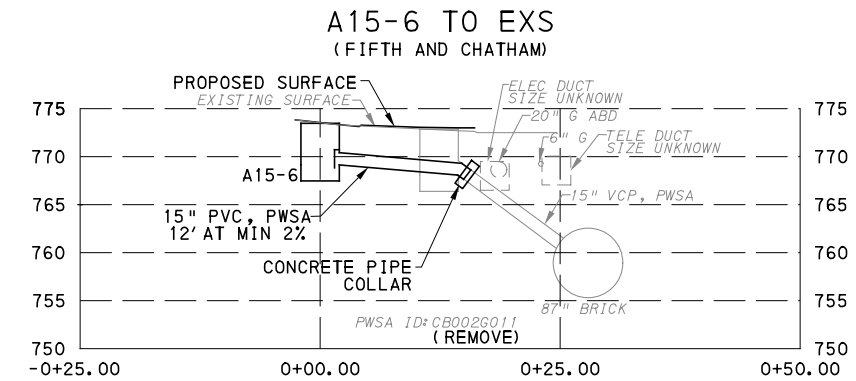
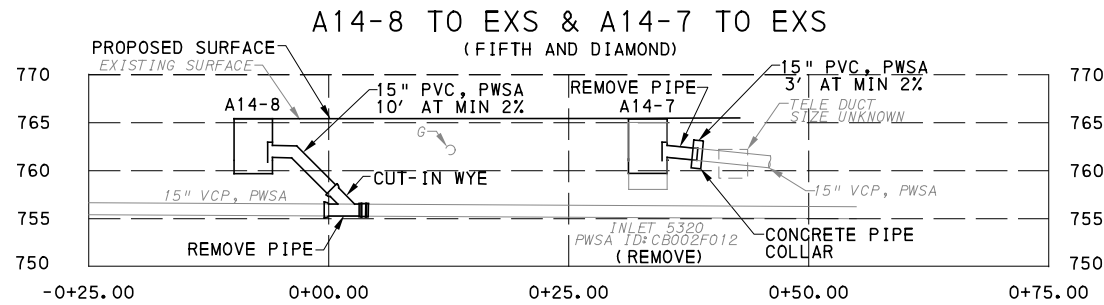
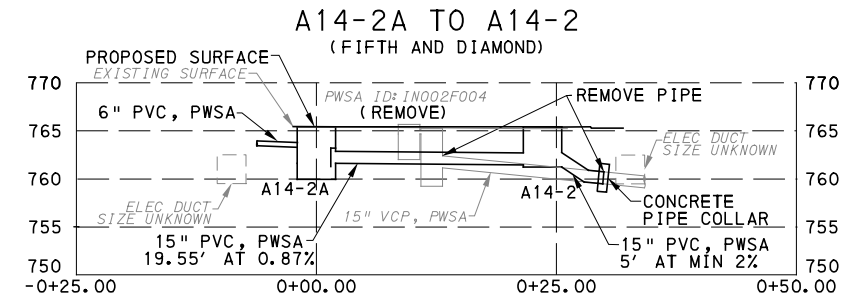
CONTRACT NO. BRT-001

DWG. NO. CV81

SHT. 156



NOTE: DIP IS SPECIFIED ONLY TO REDUCE MIN COVER REQUIREMENT BY 3" COMPARED TO PVC IF NEEDED TO PROVIDE CLEARANCE OVER UTILITY SHOWN. DETERMINE DEPTH OF UTILITY PRIOR TO ORDERING MATERIALS THEN REVIEW NEED FOR DIP WITH ENGINEER



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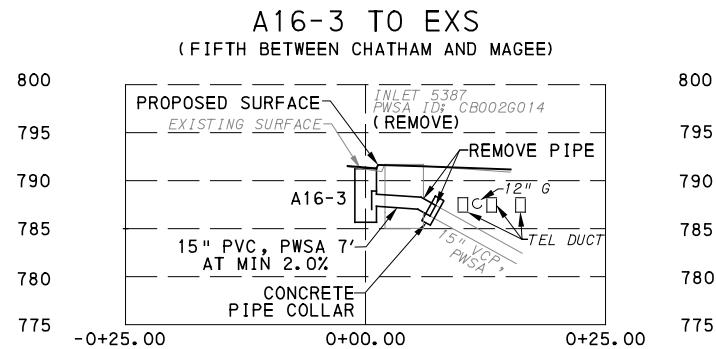
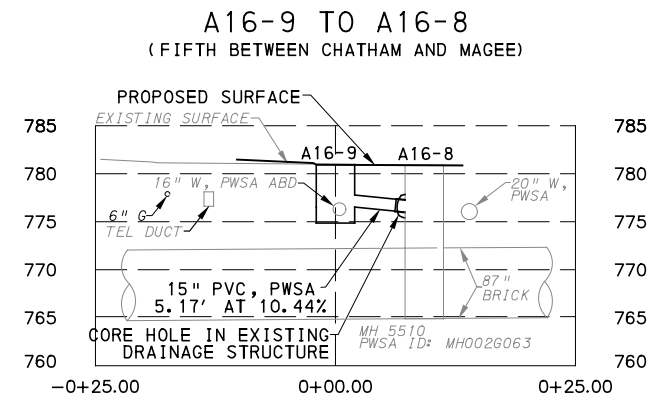
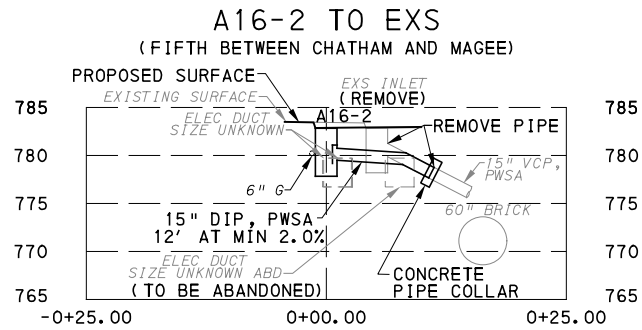
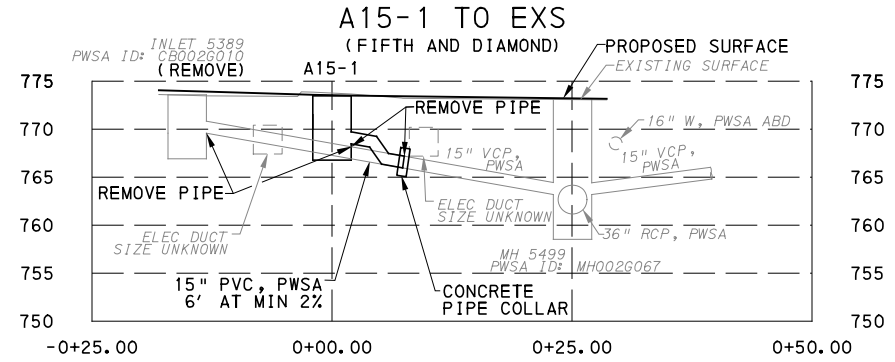
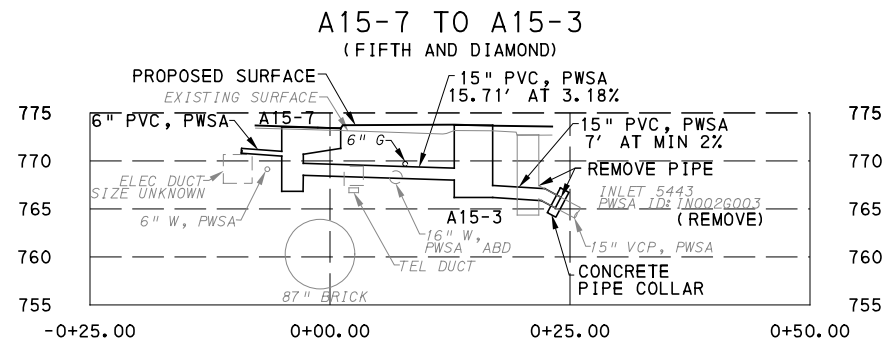
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND DRAINAGE PROFILES DRAINAGE STRUCTURES A14 - A15	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. CV82 SHT. 157



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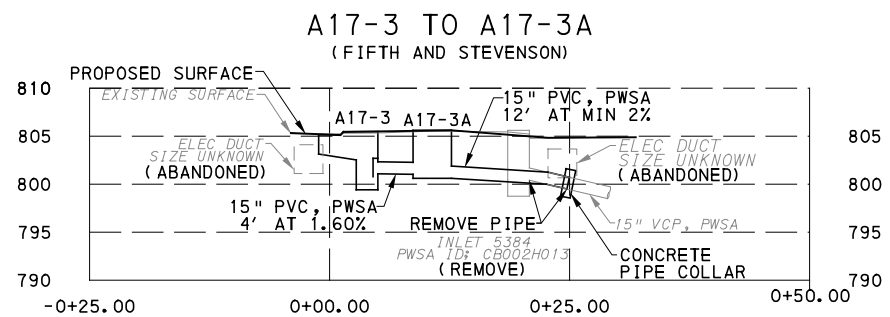
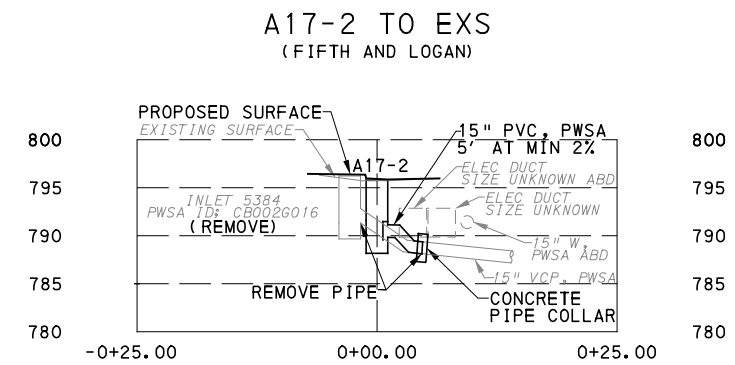
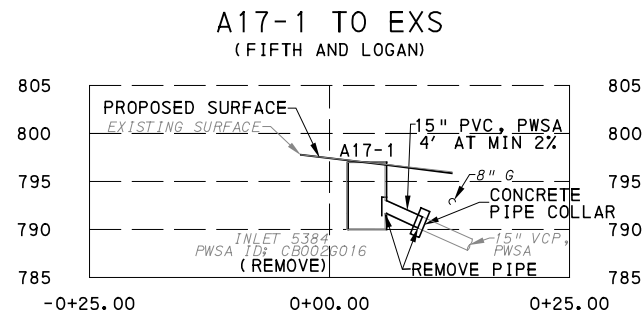
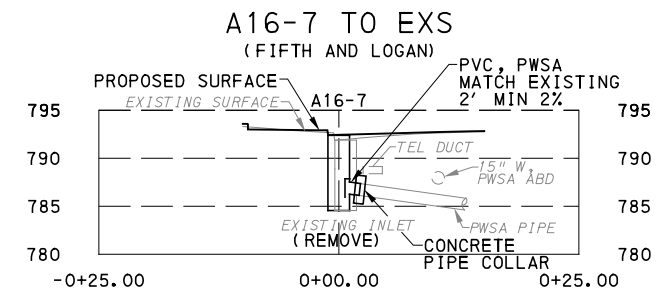
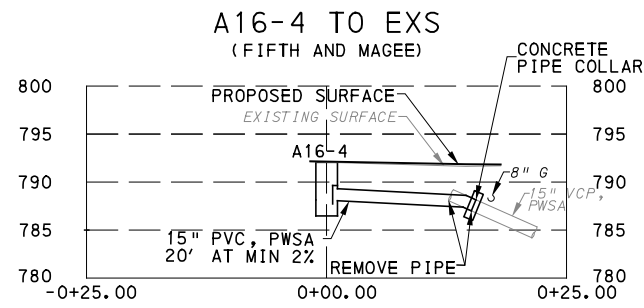
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PORT AUTHORITY OF ALLEGHENY COUNTY
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BUS RAPID TRANSIT UPTOWN TO OAKLAND
DRAINAGE PROFILES
DRAINAGE STRUCTURES A15 - A16

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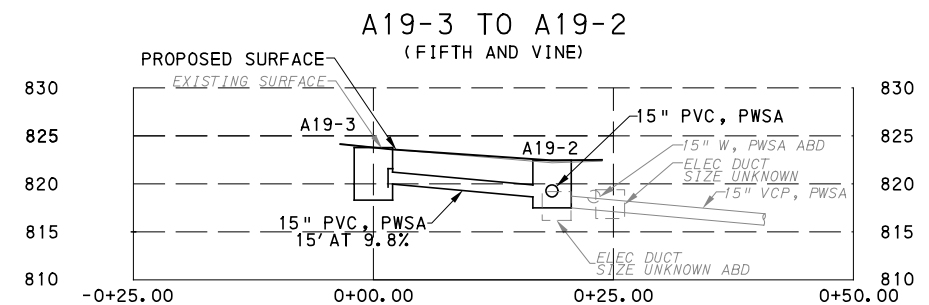
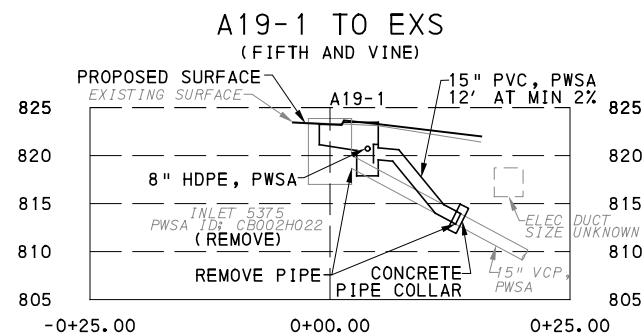
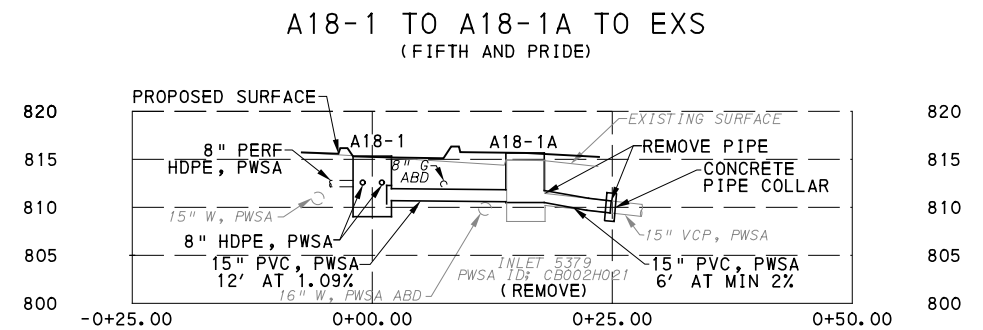
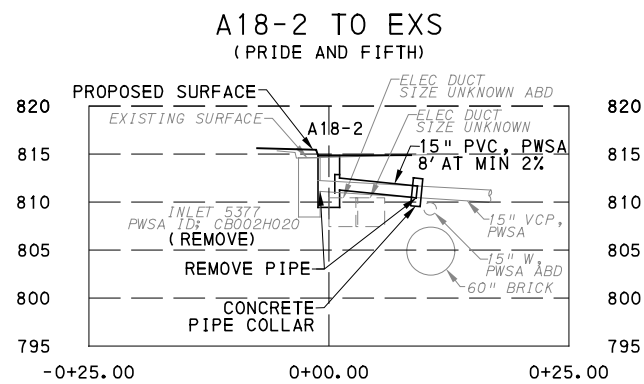
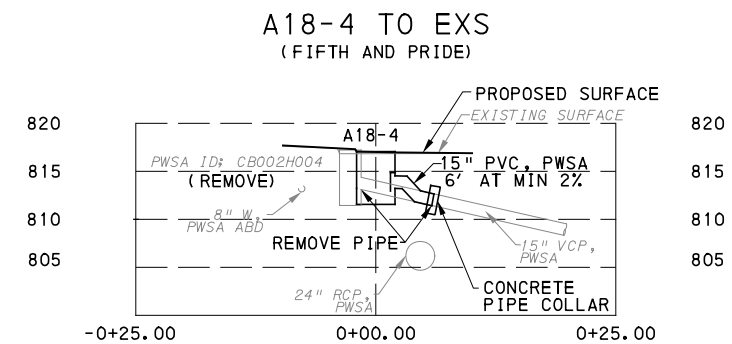
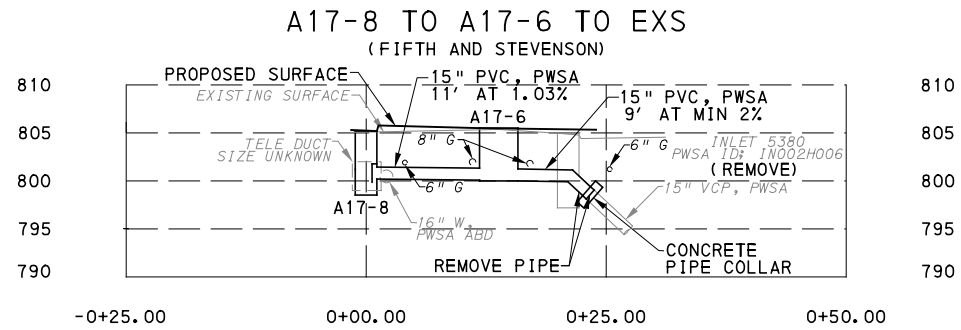
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BUS RAPID TRANSIT UPTOWN TO OAKLAND
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DRAINAGE STRUCTURES A16 - A17

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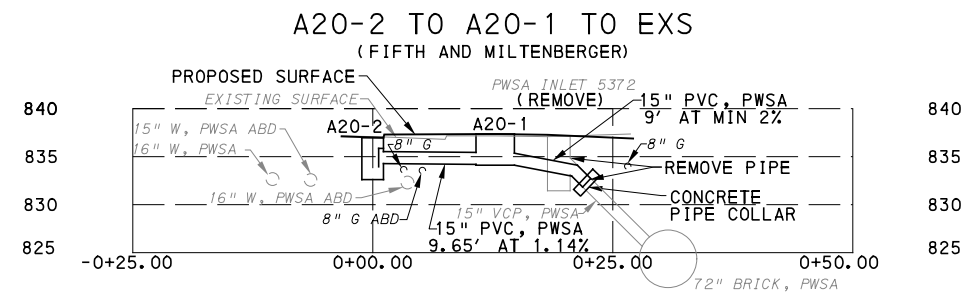
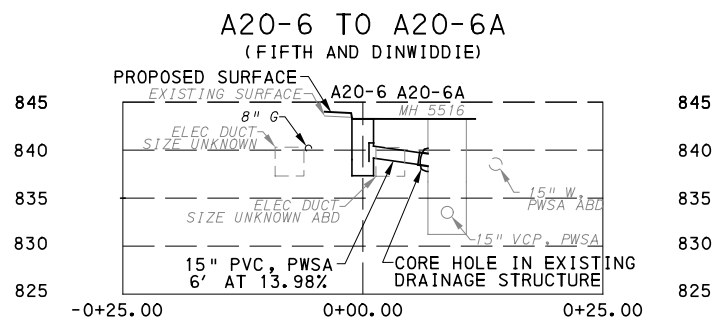
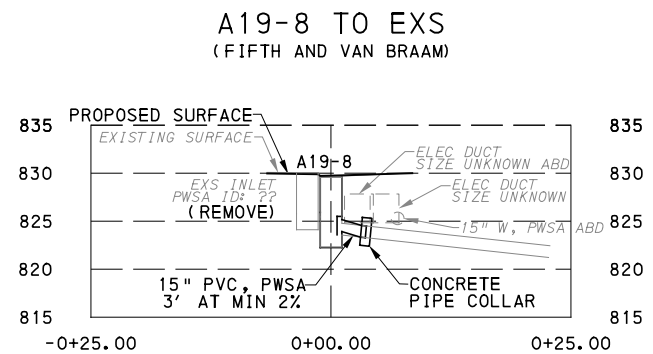
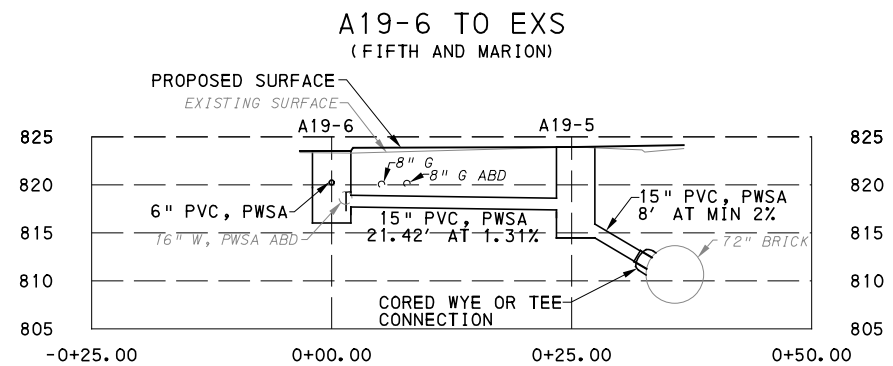
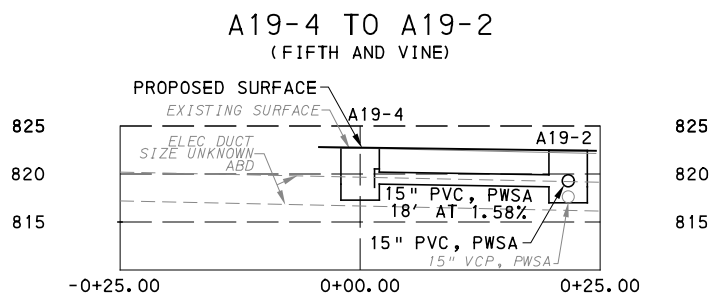
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DRAINAGE PROFILES
DRAINAGE STRUCTURES A17 - A19



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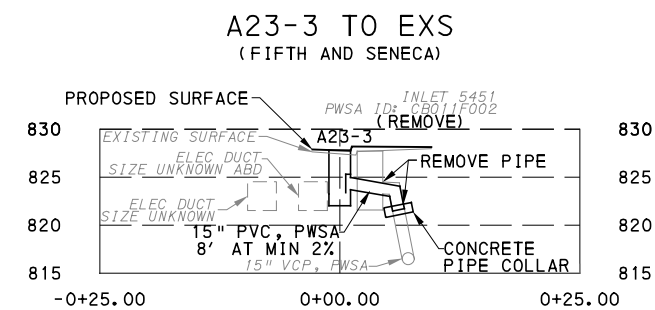
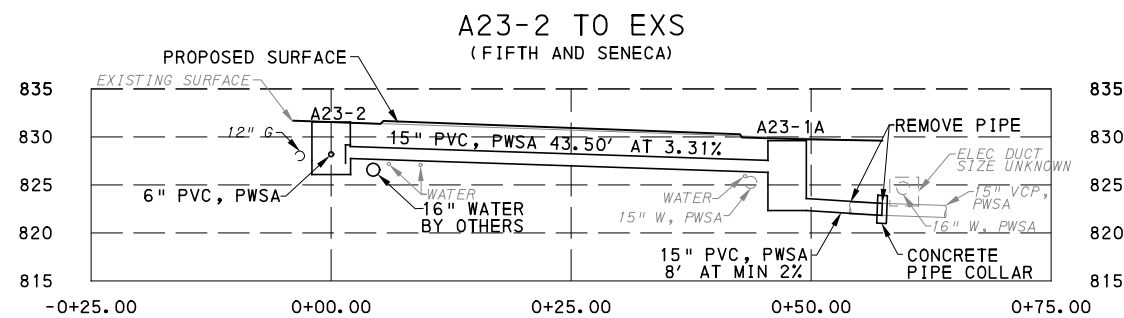
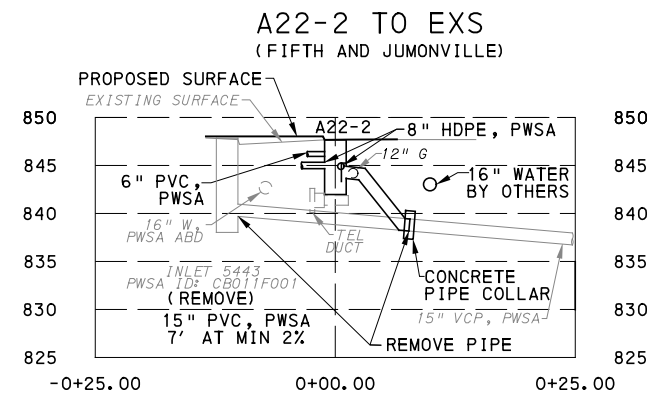
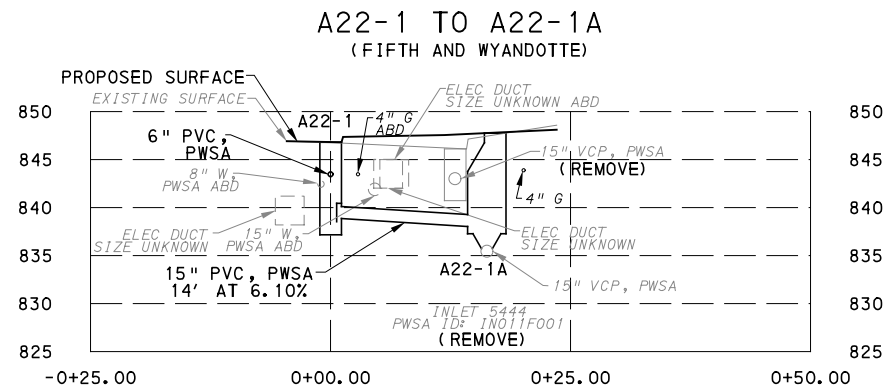
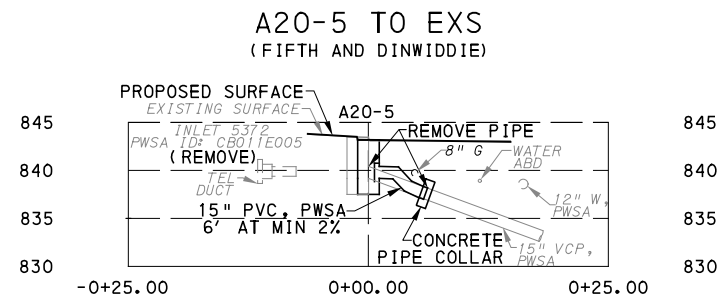
BUS RAPID TRANSIT UPTOWN TO OAKLAND
DRAINAGE PROFILES
DRAINAGE STRUCTURES A19 - A20



CONTRACT NO. BRT-001

DWG. NO. CV86

SHT. 161



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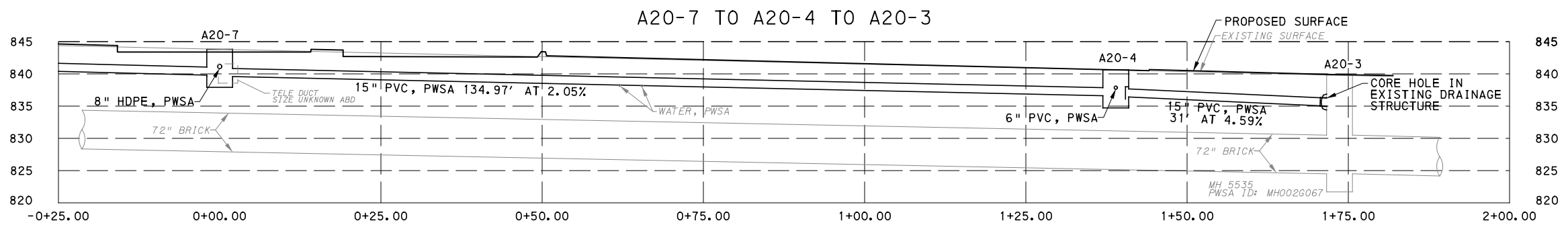
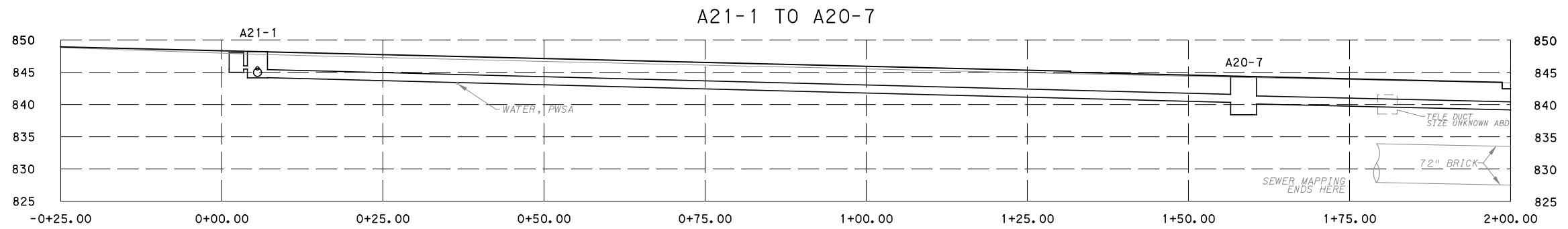
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND DRAINAGE PROFILES DRAINAGE STRUCTURES A20 - A23	
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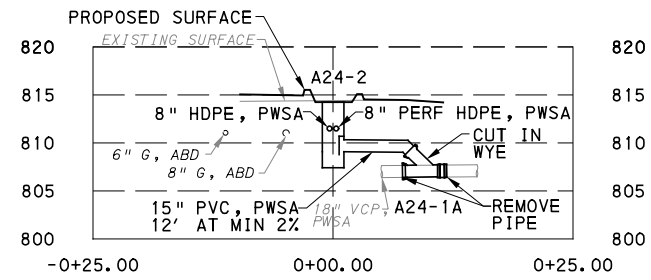
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BUS RAPID TRANSIT UPTOWN TO OAKLAND
 DRAINAGE PROFILES
 DRAINAGE STRUCTURES A20

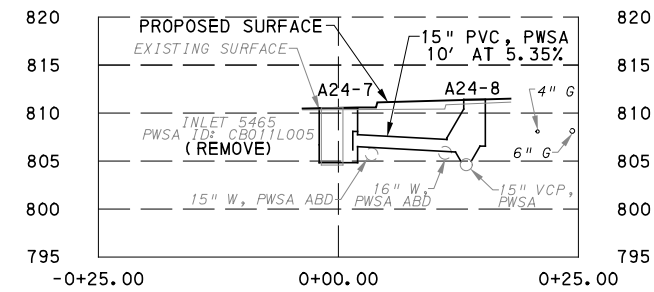
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DWG. NO. CV88	SHT. 163

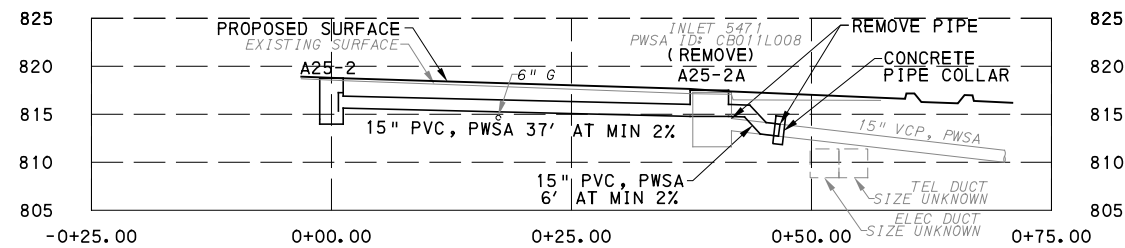
A24-2 TO A24-1A
(FIFTH AND MOULTRIE)



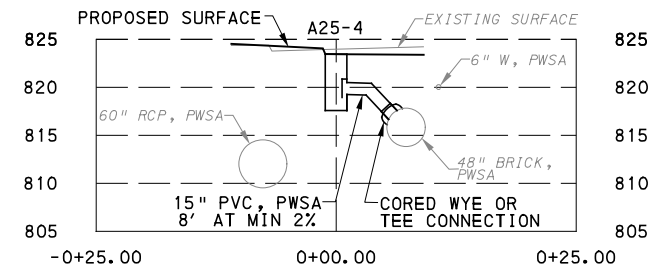
A24-7 TO A24-8
(FIFTH BETWEEN MOULTIRE AND KIRPATRICK)



A25-2 TO A25-2A TO EXS
(FIFTH AND KIRPATRICK)



A25-4 TO EXS
(KIRPATRICK AND FIFTH)



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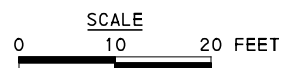
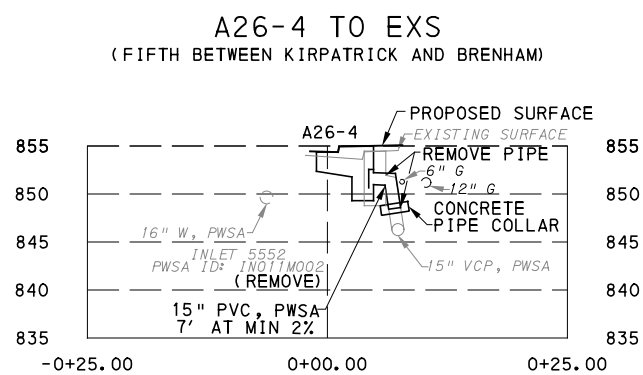
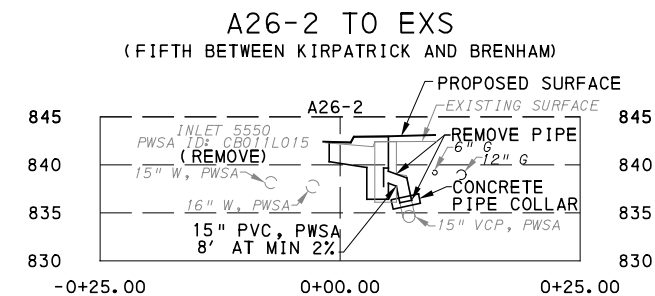
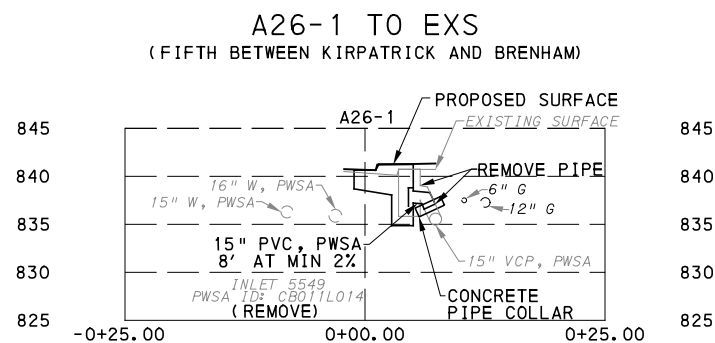
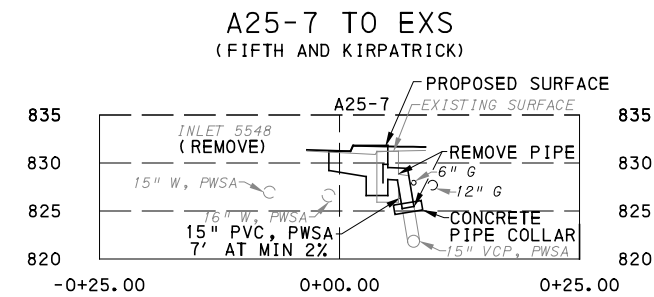
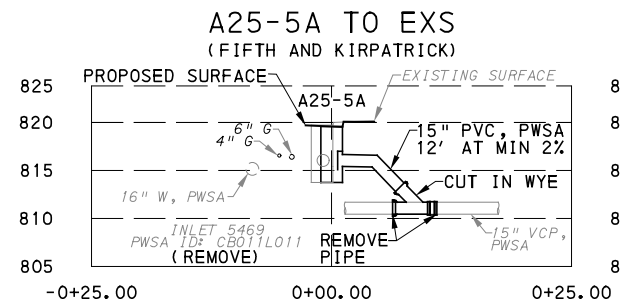
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BUS RAPID TRANSIT UPTOWN TO OAKLAND DRAINAGE PROFILES DRAINAGE STRUCTURES A24 - A25	
Port Authority <small>connecting people to life™</small>	CONTRACT NO. BRT-001
	DWG. NO. CV89 SHT. 164



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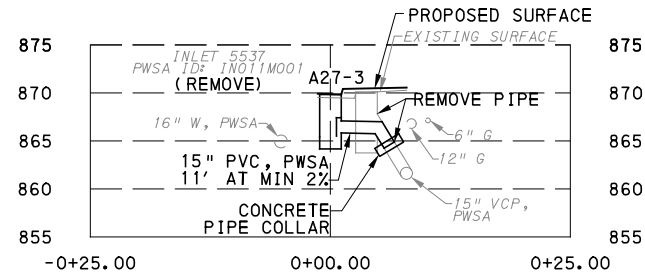
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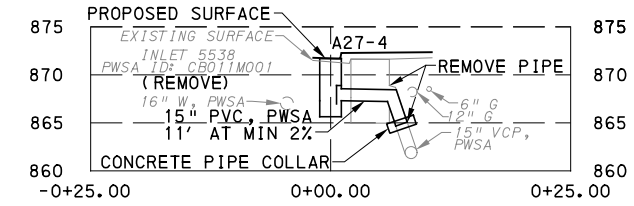
BUS RAPID TRANSIT UPTOWN TO OAKLAND
DRAINAGE PROFILES
DRAINAGE STRUCTURES A25 - A26

	CONTRACT NO. BRT-001	
	DWG. NO. CV90	SHT. 165

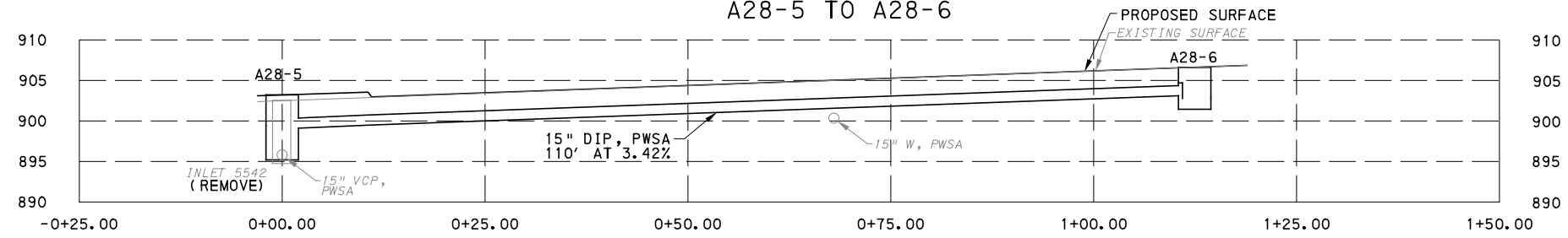
A27-3 TO EXS
(FIFTH AND BRENHAM)



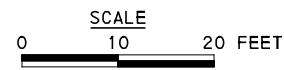
A27-4 TO EXS
(FIFTH AND BRENHAM)



A28-5 TO A28-6



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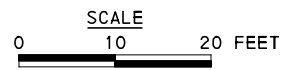
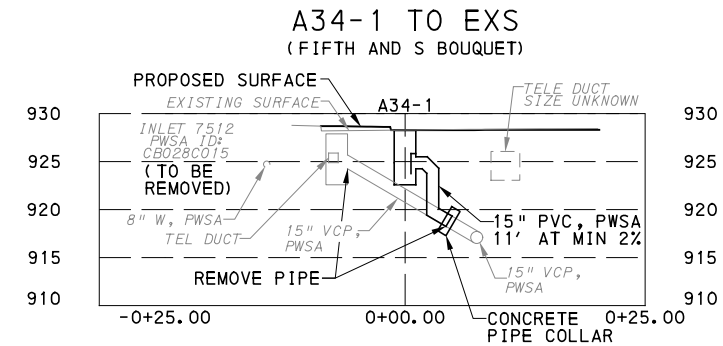
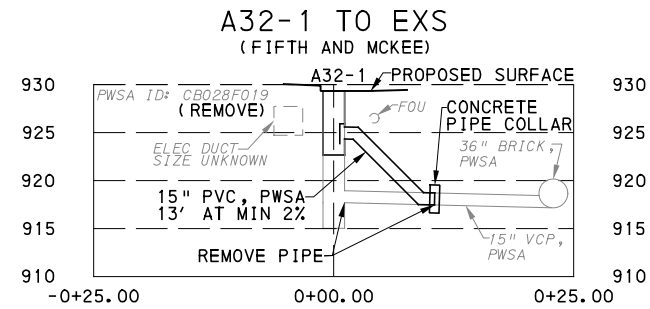
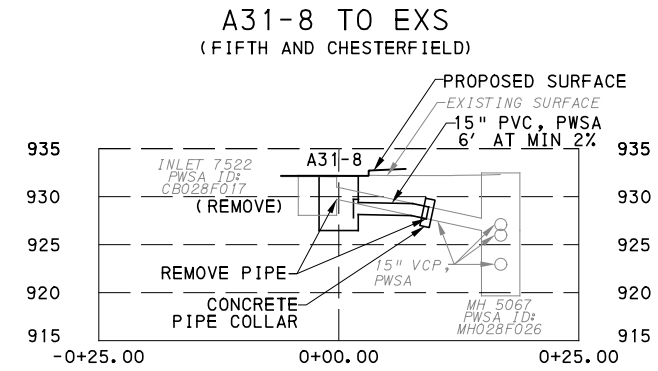
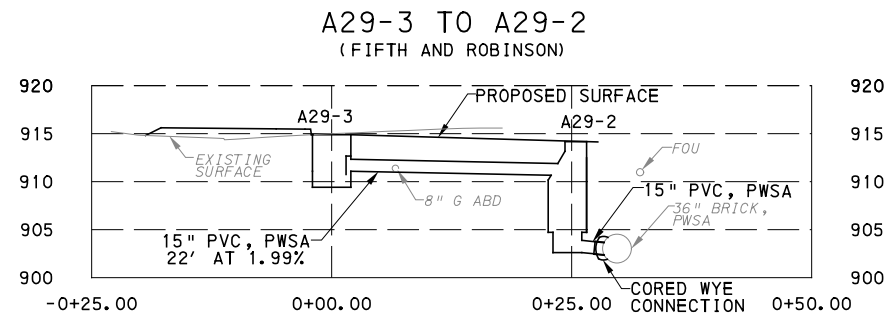
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
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BUS RAPID TRANSIT UPTOWN TO OAKLAND
DRAINAGE PROFILES
DRAINAGE STRUCTURES A27 - A28

Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. CV91	SHT. 166



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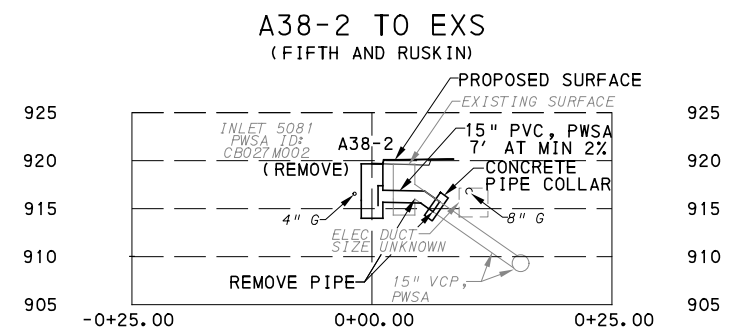
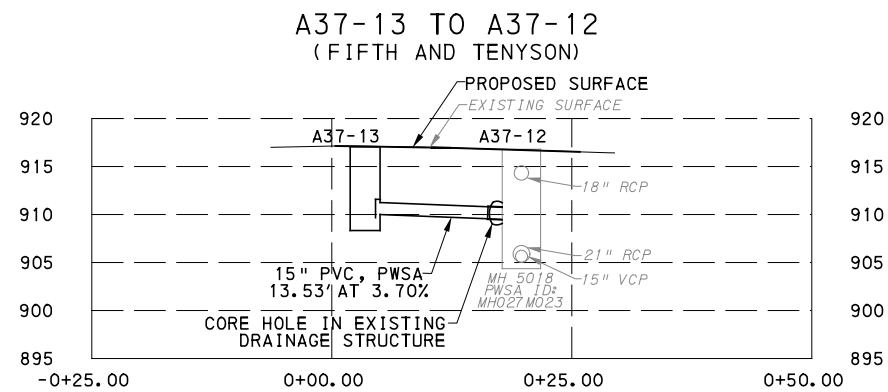
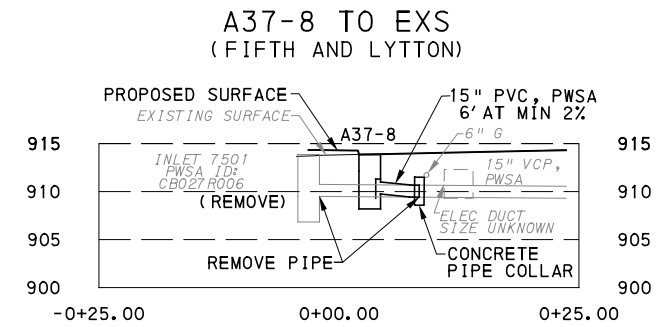
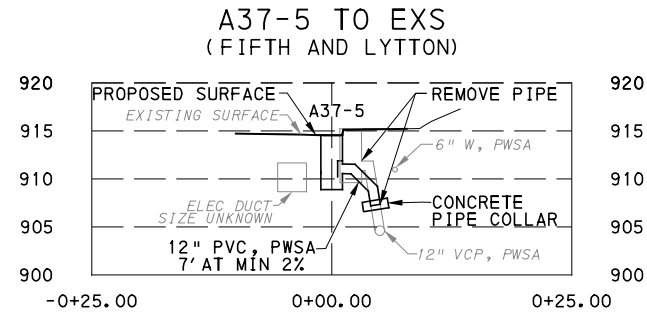
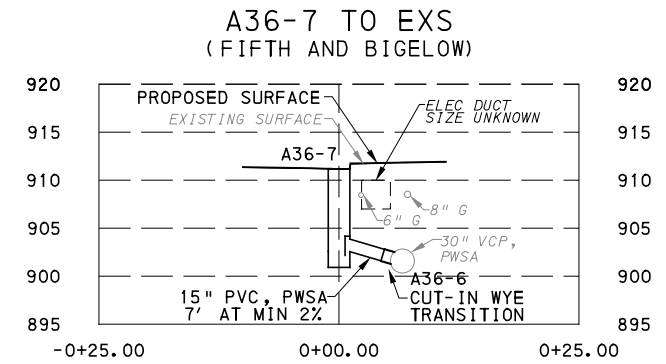
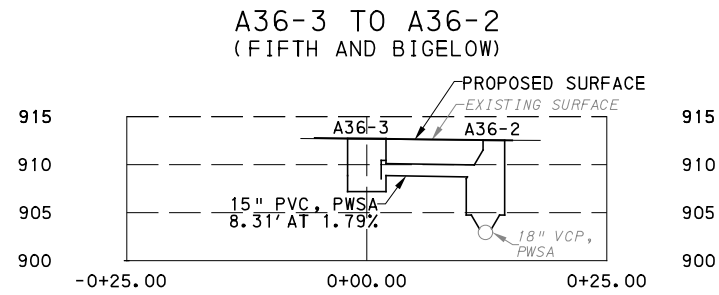
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BUS RAPID TRANSIT UPTOWN TO OAKLAND
 DRAINAGE PROFILES
 DRAINAGE STRUCTURES A29 - A34

Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. CV92	SHT. 167



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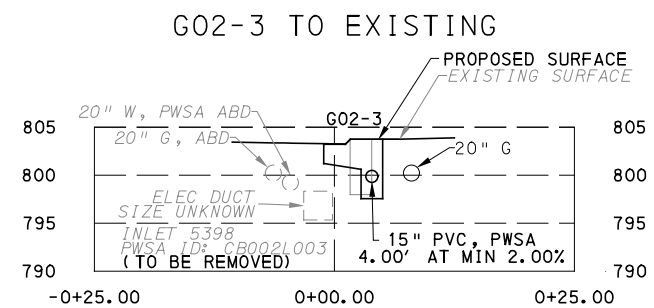
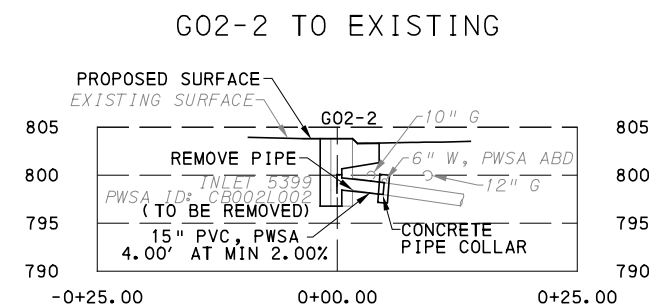
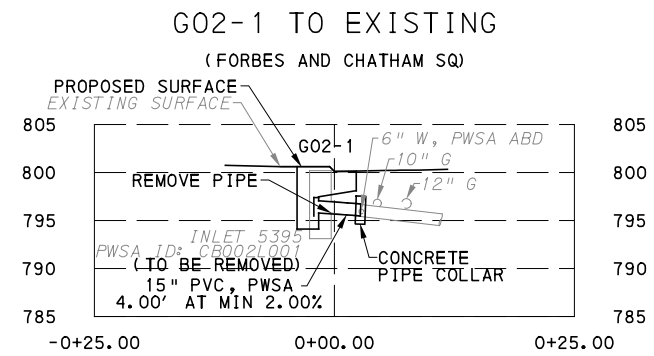
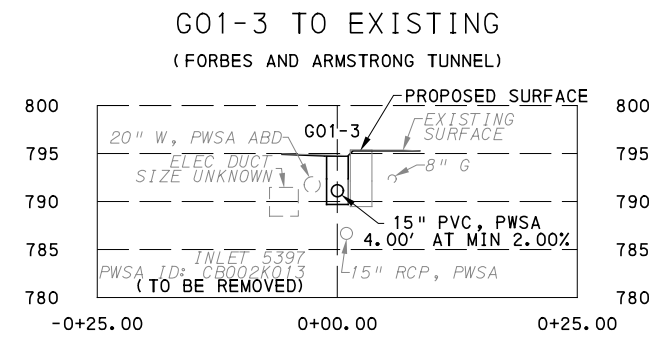
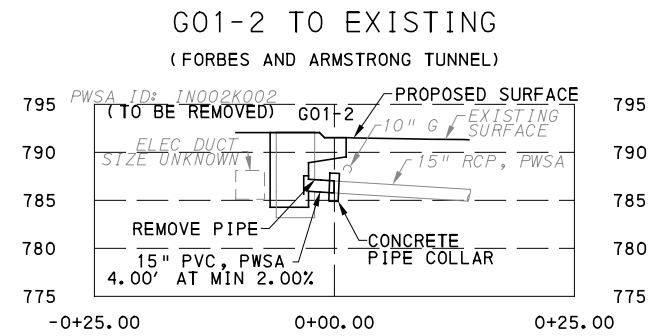
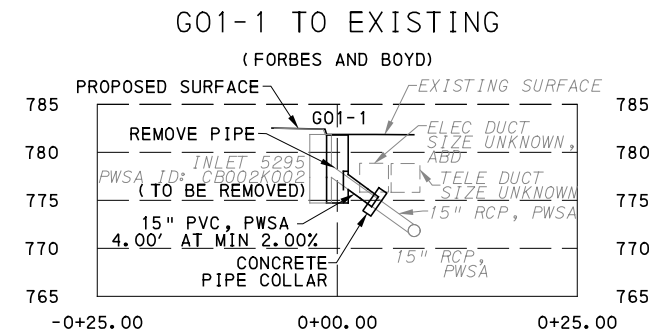
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND DRAINAGE PROFILES DRAINAGE STRUCTURES A36 - A38	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
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PORT AUTHORITY OF ALLEGHENY COUNTY
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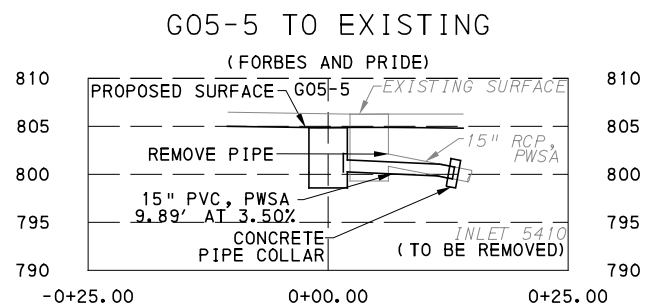
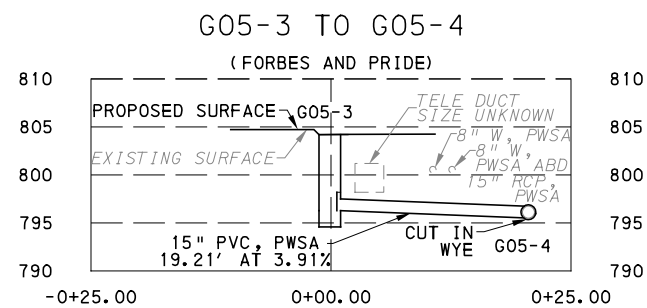
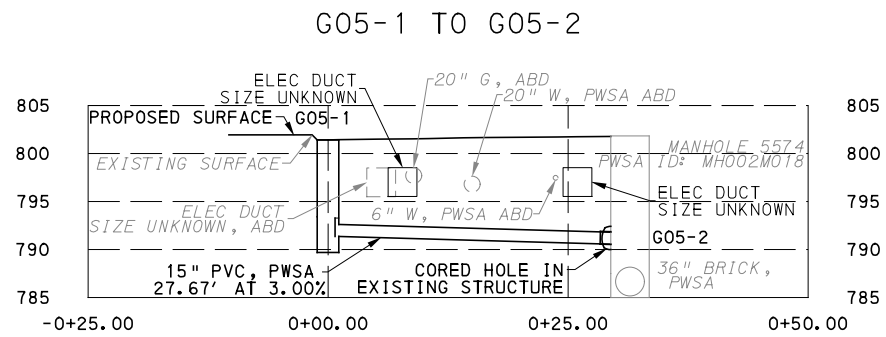
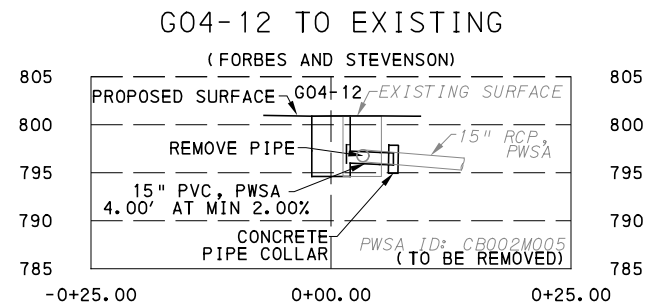
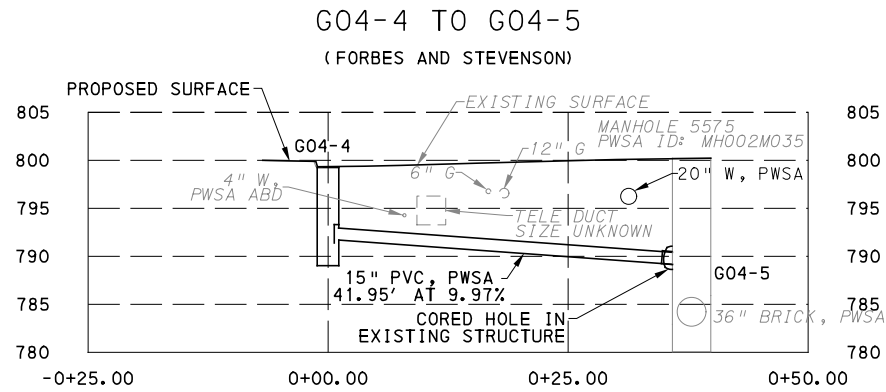
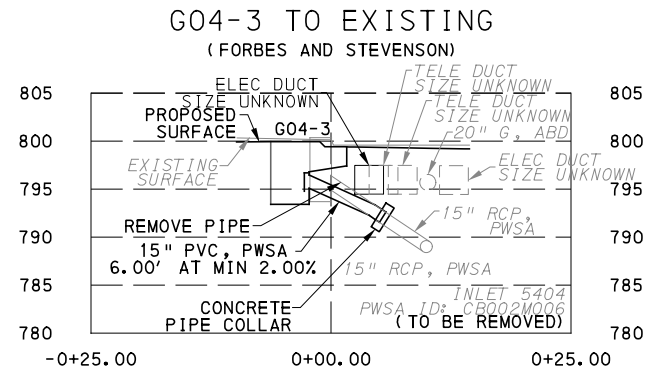
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 DRAINAGE PROFILES
 DRAINAGE STRUCTURES G01 - G02



CONTRACT NO. BRT-001

DWG. NO. CV94

SHT. 169



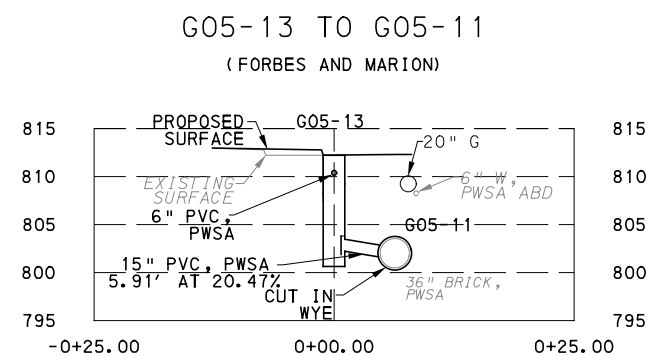
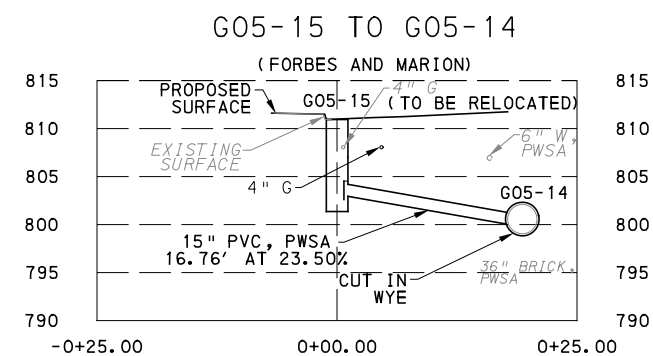
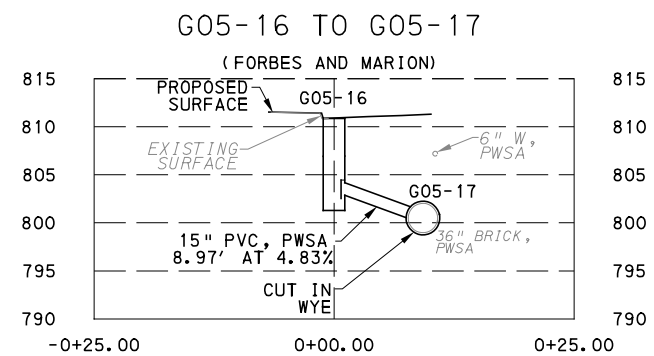
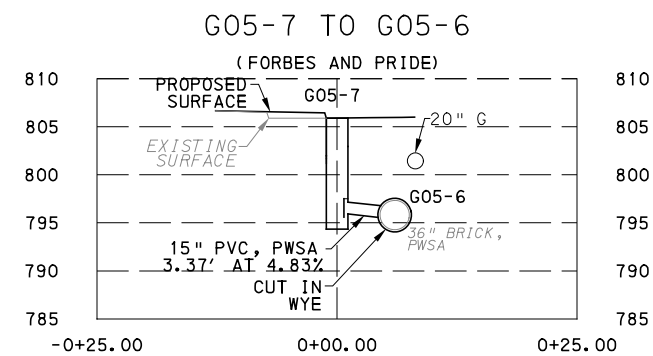
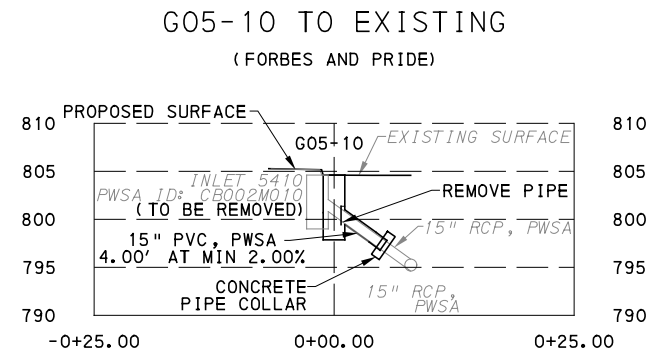
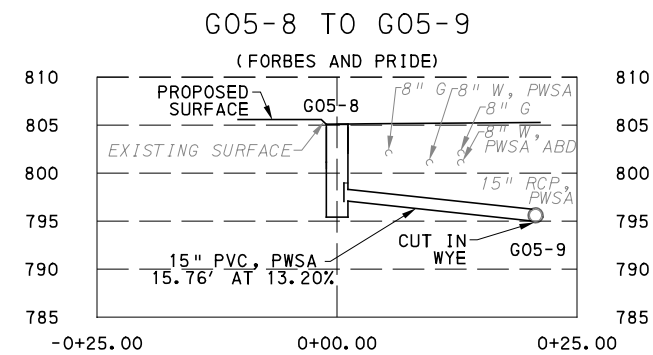
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND DRAINAGE PROFILES DRAINAGE STRUCTURES G04 - G05		
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. CV95	SHT. 170



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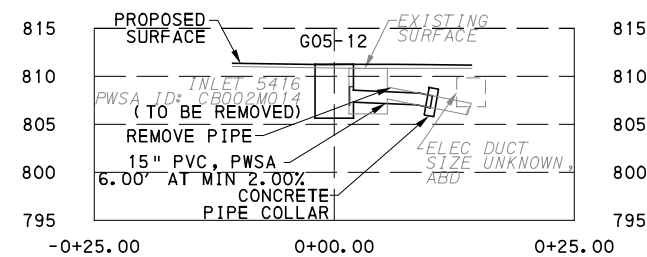
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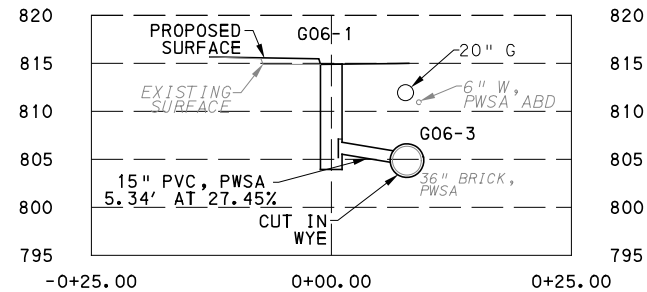
PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND DRAINAGE PROFILES DRAINAGE STRUCTURES G05	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. CV96	SHT. 171

G05-12 TO EXISTING

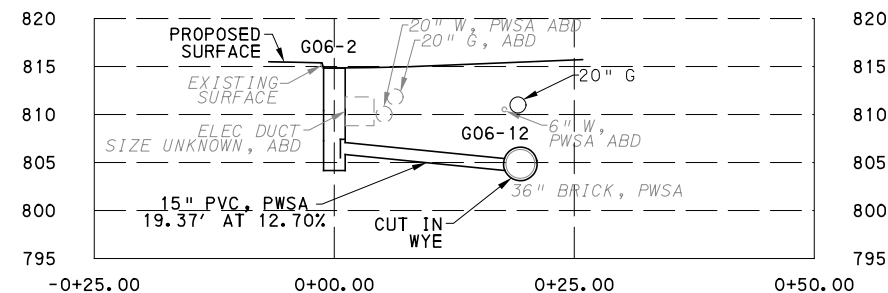
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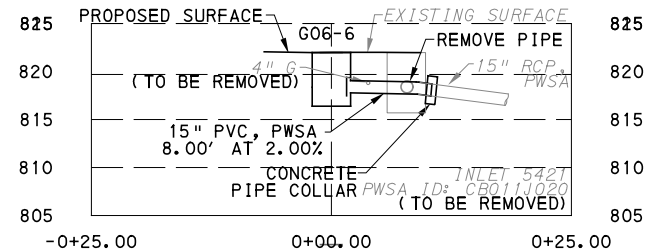


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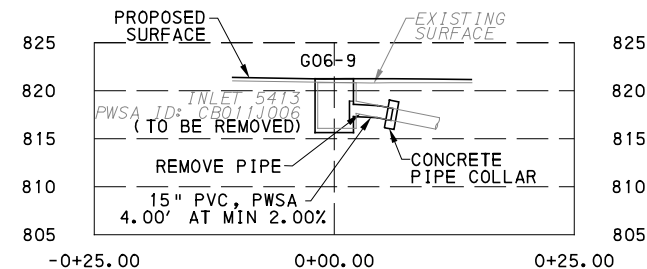
G06-6 TO EXISTING

(FORBES AND VAN BRAAM)



G06-9 TO EXISTING

(FORBES AND VAN BRAAM)



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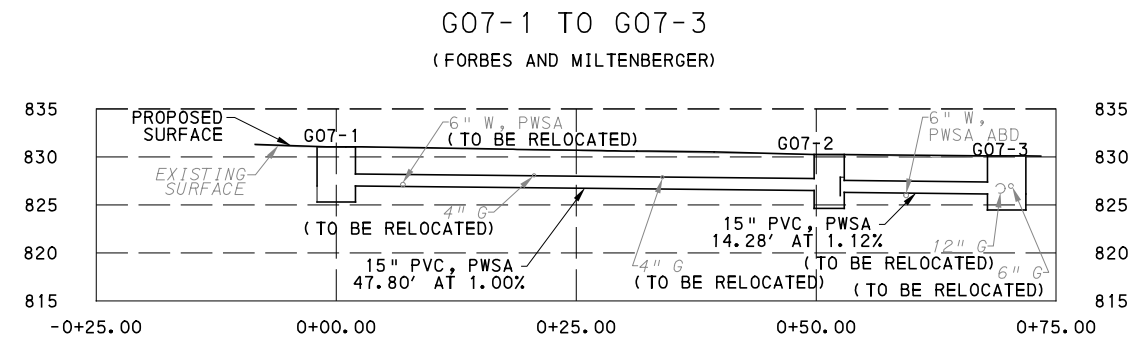
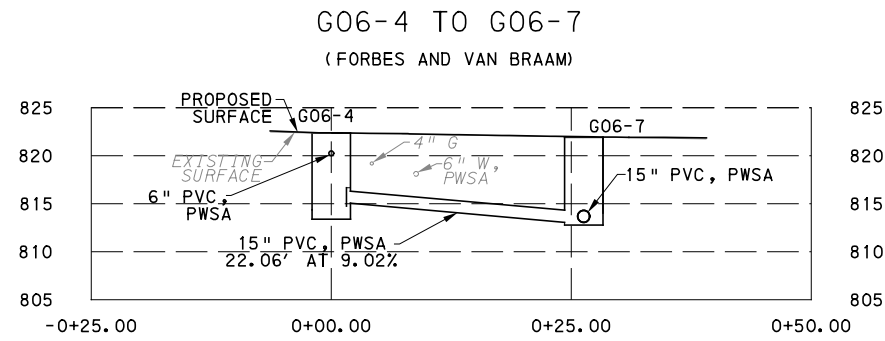
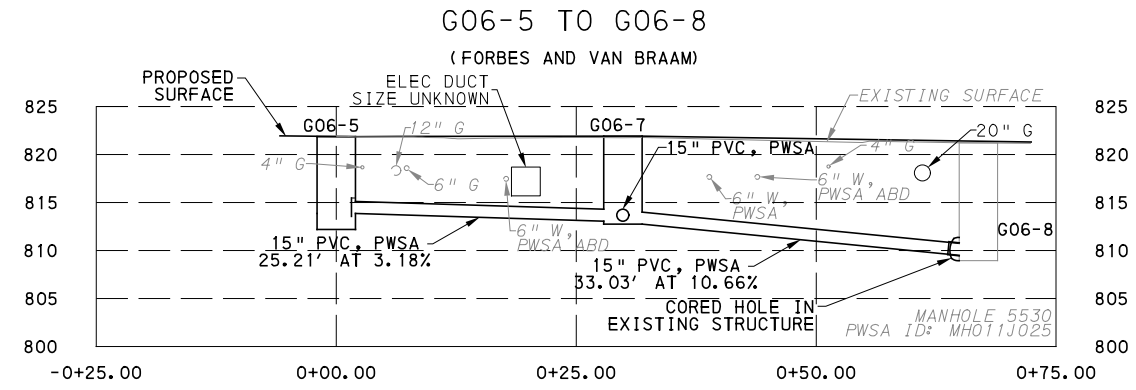
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 DRAINAGE PROFILES
 DRAINAGE STRUCTURES G05 - G06



CONTRACT NO. BRT-001

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BUS RAPID TRANSIT UPTOWN TO OAKLAND
 DRAINAGE PROFILES
 DRAINAGE STRUCTURES G06 - G07

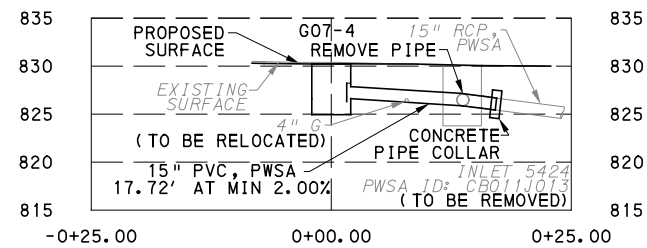


CONTRACT NO. BRT-001

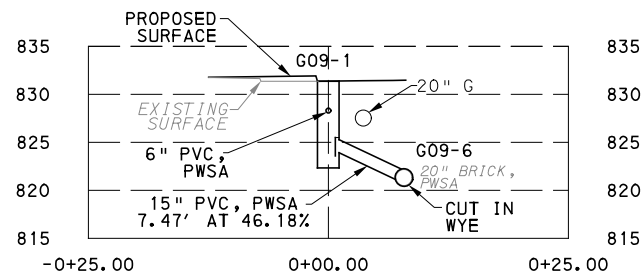
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SHT. 173

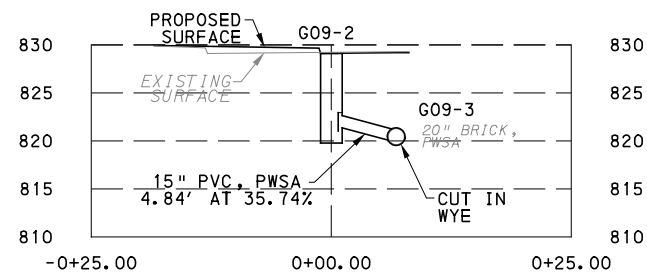
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(FORBES AND MILTENBERGER)



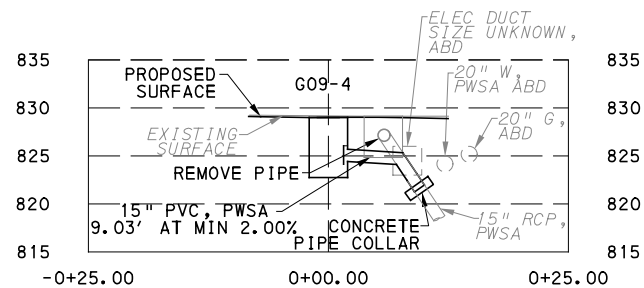
G09-1 TO G09-6



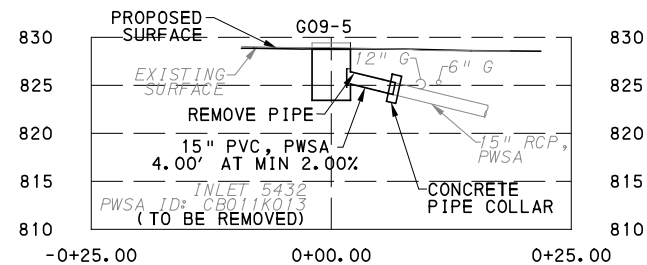
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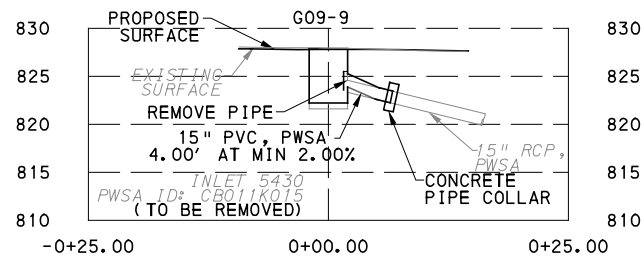
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(FORBES AND JUMONVILLE)



G09-5 TO EXISTING
(FORBES AND JUMONVILLE)



G09-9 TO EXISTING
(FORBES AND JUMONVILLE)



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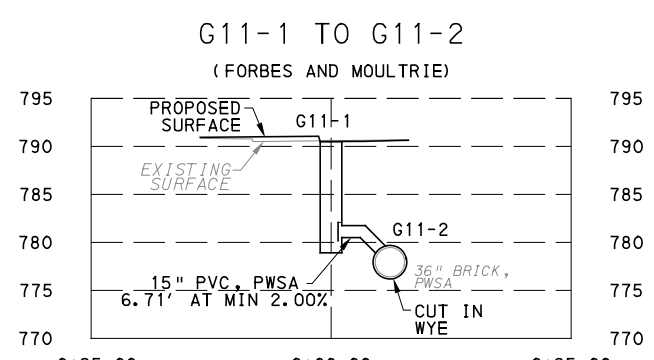
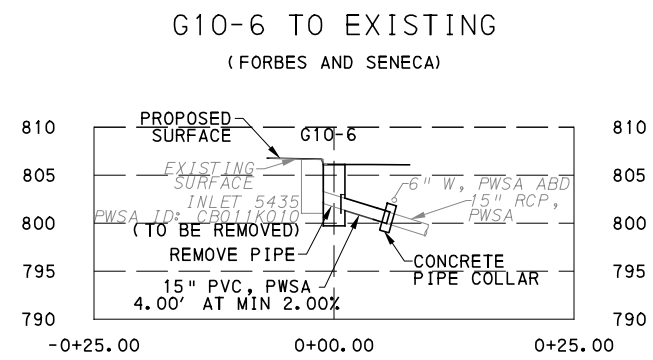
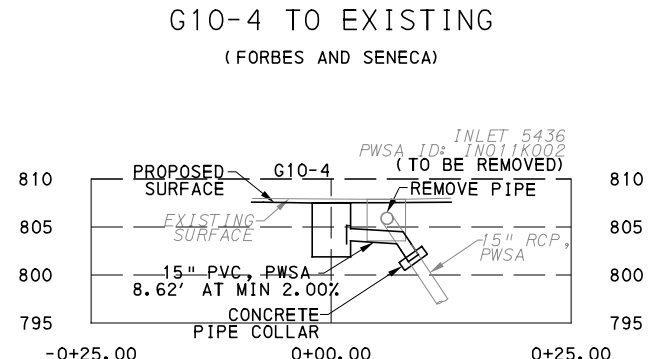
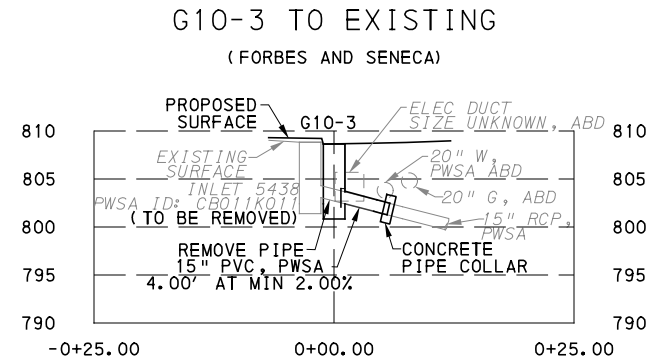
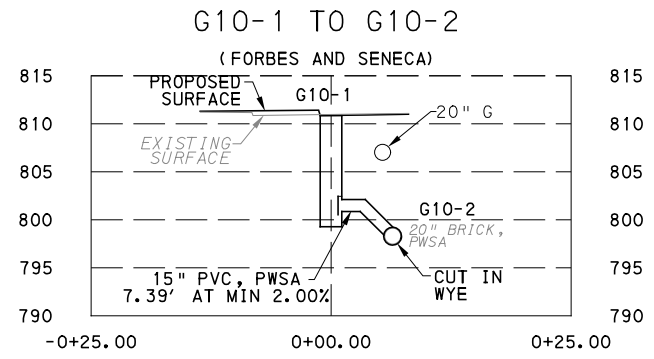
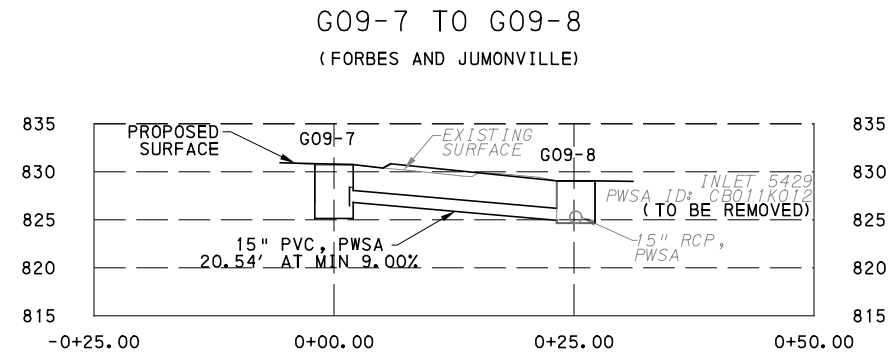
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BUS RAPID TRANSIT UPTOWN TO OAKLAND DRAINAGE PROFILES DRAINAGE STRUCTURES G07 - G09	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
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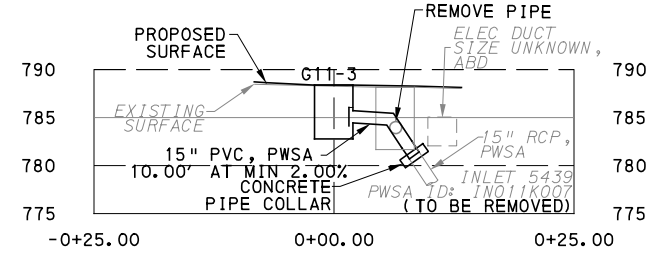
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 DRAINAGE PROFILES
 DRAINAGE STRUCTURES G09 - G11

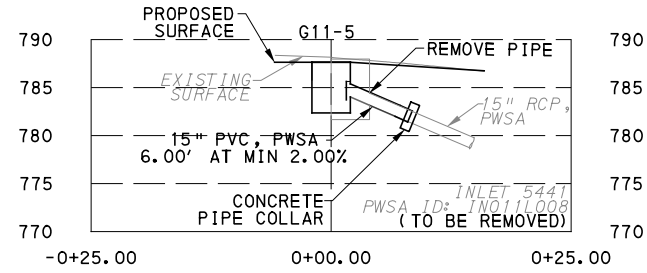
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CONTRACT NO. BRT-001	
DWG. NO. CV100	SHT. 175

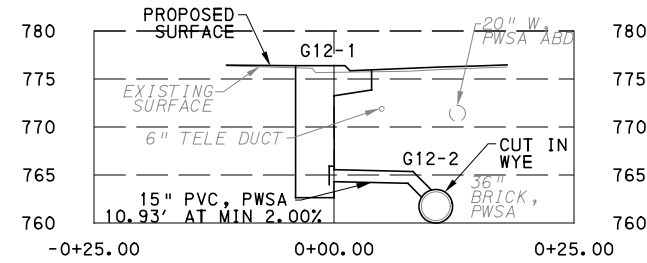
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(FORBES AND MOULTRIE)



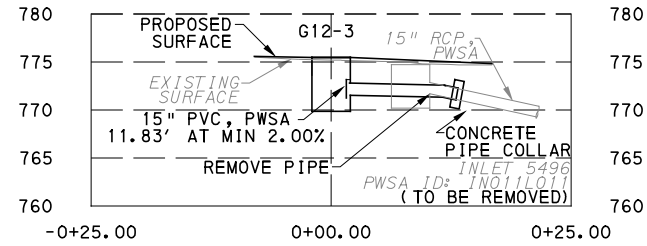
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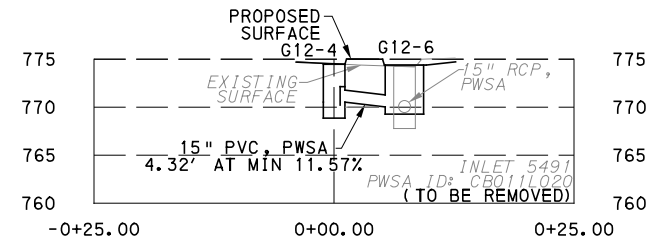
G12-1 TO G12-2
(FORBES AND BRADY)



G12-3 TO EXISTING
(FORBES AND BRADY)



G12-4 TO G12-6
(FORBES AND BIRMINGHAM BR)



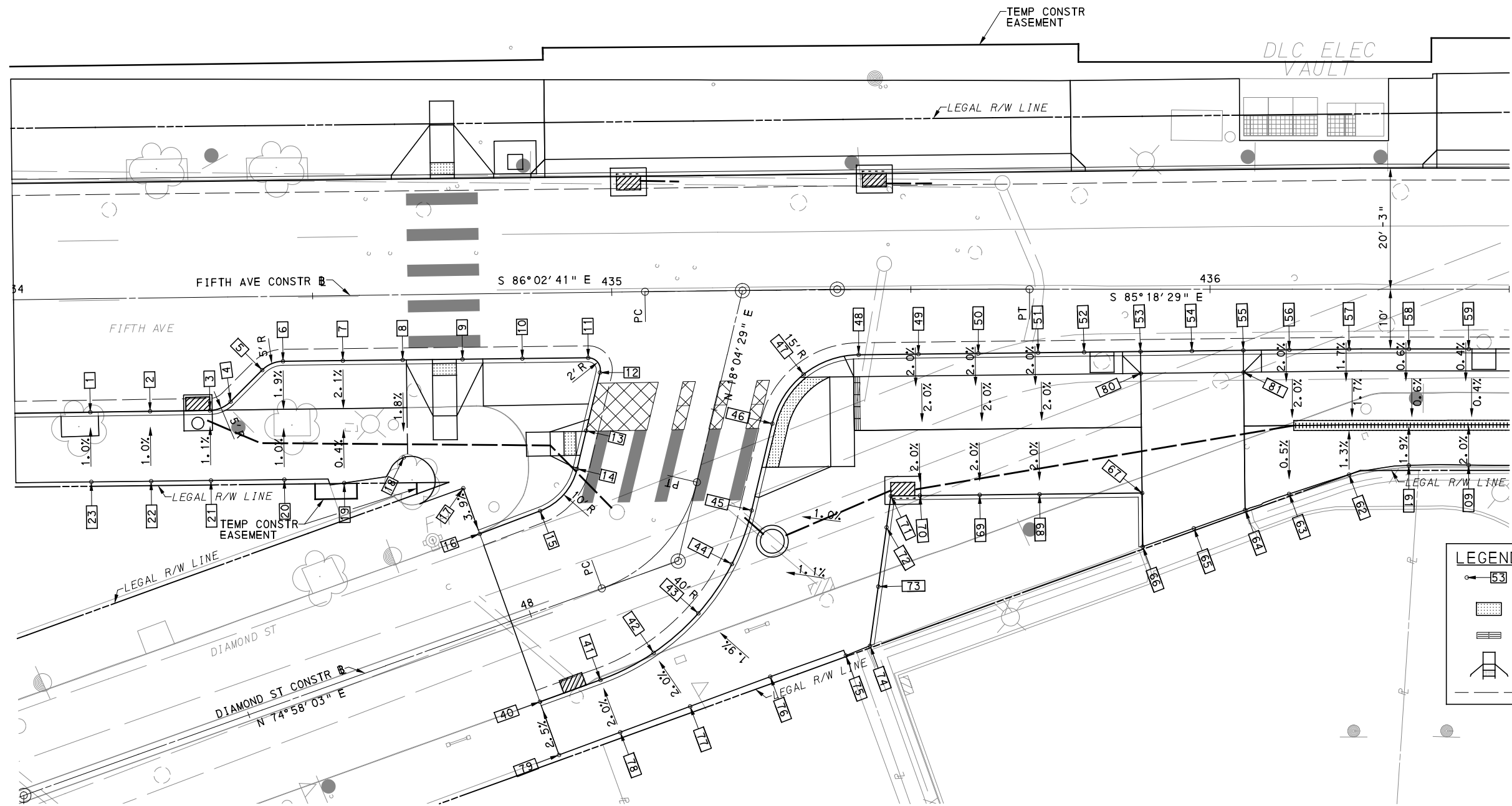
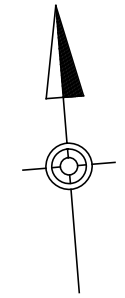
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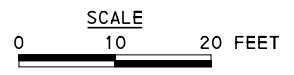
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND DRAINAGE PROFILES DRAINAGE STRUCTURES G11- G12	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. CV101 SHT. 176



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 357]

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DESIGNED	MJP/AGO
DRAWN	JBM
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & DIAMOND ST	
	CONTRACT NO. BRT-001
	DWG. NO. ID1

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	POT	434+12.59	18.96' RT	765.68	765.84	-
2	FIFTH AVE	POT	434+22.59	18.94' RT	765.65	765.82	-
3	FIFTH AVE	PC	434+32.59	18.91' RT	765.62	765.76	-
4	FIFTH AVE	PT	434+36.07	17.49' RT	765.63	765.79	-
5	FIFTH AVE	PC	434+41.42	12.28' RT	765.73	765.90	-
6	FIFTH AVE	PT	434+44.91	10.86' RT	765.75	765.92	-
7	FIFTH AVE	POT	434+54.91	10.88' RT	765.70	765.87	-
8	FIFTH AVE	POT	434+64.91	10.89' RT	765.65	765.82*	-
9	FIFTH AVE	POT	434+74.91	10.91' RT	765.60	*	-
10	FIFTH AVE	POT	434+84.91	10.92' RT	765.55	765.72	-
11	FIFTH AVE	PC	434+95.92	10.94' RT	765.50	765.67	-
12	DIAMOND ST	PT	48+51.60	20.00' LT	765.48	765.65	-
13	DIAMOND ST	POT	48+41.60	20.00' LT	[765.43]	765.59*	-
14	DIAMOND ST	PC	48+26.07	19.43' LT	[765.25]	*	-
15	DIAMOND ST	PT	48+07.34	15.67' LT	[764.98]	765.15	-
16	DIAMOND ST	POT	47+96.54	15.47' LT	[764.78]	[764.96]	-
17	DIAMOND ST	-	47+96.54	23.58' LT	-	-	[765.28]
18	DIAMOND ST	-	434+64.91	27.20' RT	-	-	[765.55]
19	DIAMOND ST	-	434+54.91	31.35' RT	-	-	[765.76]
20	DIAMOND ST	-	434+44.91	30.65' RT	-	-	[765.87]
21	FIFTH AVE	-	434+32.59	30.64' RT	-	-	[765.89]
22	FIFTH AVE	-	434+22.59	30.63' RT	-	-	765.93
23	FIFTH AVE	-	434+12.59	30.62' RT	-	-	765.95

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
40	DIAMOND ST	POT	47+96.54	14.37' RT	[764.56]	[764.73]	-
41	DIAMOND ST	PC	48+07.29	14.33' RT	764.63	764.87	-
42	DIAMOND ST	POC	48+15.63	13.32' RT	764.69	764.98	-
43	DIAMOND ST	POC	48+22.21	12.02' RT	[764.84]	765.00	-
44	DIAMOND ST	POC	48+29.03	10.91' RT	[765.07]	765.23	-
45	DIAMOND ST	PT	48+35.75	10.09' RT	[765.32]	765.48	-
46	DIAMOND ST	PC	48+49.95	10.00' RT	765.53	*	-
47	FIFTH AVE	POC	435+31.96	14.10' RT	765.65	*	-
48	FIFTH AVE	PT	435+41.20	10.88' RT	765.71	765.88*	-
49	FIFTH AVE	POT	435+51.22	10.81' RT	765.73	765.89	-
50	FIFTH AVE	POT	435+61.24	10.72' RT	765.81	765.97	-
51	FIFTH AVE	POT	435+71.26	10.62' RT	765.89	766.06	-
52	FIFTH AVE	POT	435+78.95	10.53' RT	765.95	766.12	-
53	FIFTH AVE	POT	435+88.37	10.42' RT	766.02	766.18	-
54	FIFTH AVE	POT	435+96.97	10.32' RT	766.07	766.24	-
55	FIFTH AVE	POT	436+05.56	10.22' RT	766.15	766.32	-
56	FIFTH AVE	POT	436+13.24	10.14' RT	766.23	766.56	-
57	FIFTH AVE	POT	436+23.24	10.00' RT	766.33	766.66	-
58	FIFTH AVE	POT	436+33.24	10.00' RT	766.44	766.77	-
59	FIFTH AVE	POT	436+43.24	10.00' RT	766.56	766.89	-
60	FIFTH AVE	-	436+43.21	29.40' RT	-	-	[766.97]
61	FIFTH AVE	-	436+33.21	29.45' RT	-	-	[766.83]
62	FIFTH AVE	-	436+23.23	31.00' RT	-	-	[766.56]
63	FIFTH AVE	-	436+13.21	34.23' RT	-	-	[766.38]
64	FIFTH AVE	-	436+05.86	36.90' RT	-	-	[766.01]
65	FIFTH AVE	-	435+97.30	39.98' RT	-	-	[765.81]
66	FIFTH AVE	-	435+88.74	43.05' RT	[765.73]	766.31	-
67	FIFTH AVE	-	435+88.64	34.09' RT	765.73	766.30	-
68	FIFTH AVE	-	435+71.50	34.28' RT	765.60	766.18	-
69	FIFTH AVE	-	435+61.44	34.39' RT	765.52	766.10	-
70	FIFTH AVE	-	435+51.37	34.48' RT	765.43	766.01	-
71	FIFTH AVE	-	435+46.51	34.51' RT	765.42	766.00	-
72	DIAMOND ST	-	48+37.51	32.59' RT	765.72	766.30	-
73	DIAMOND ST	-	48+33.29	34.37' RT	765.50	766.08	-
74	DIAMOND ST	-	48+29.43	37.72' RT	[765.41]	765.99	-
75	DIAMOND ST	-	48+27.96	35.27' RT	-	-	[765.30]
76	DIAMOND ST	-	48+23.13	27.98' RT	-	-	[765.31]
77	DIAMOND ST	-	48+16.37	24.10' RT	-	-	[765.18]
78	DIAMOND ST	-	48+07.46	23.70' RT	-	-	[765.05]
79	DIAMOND ST	-	47+96.54	23.81' RT	-	-	[764.95]
80	FIFTH AVE	-	435+88.41	14.09' RT	-	-	766.12
81	FIFTH AVE	-	436+05.60	13.89' RT	-	-	766.26

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM * 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



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 5th Floor
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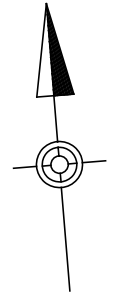
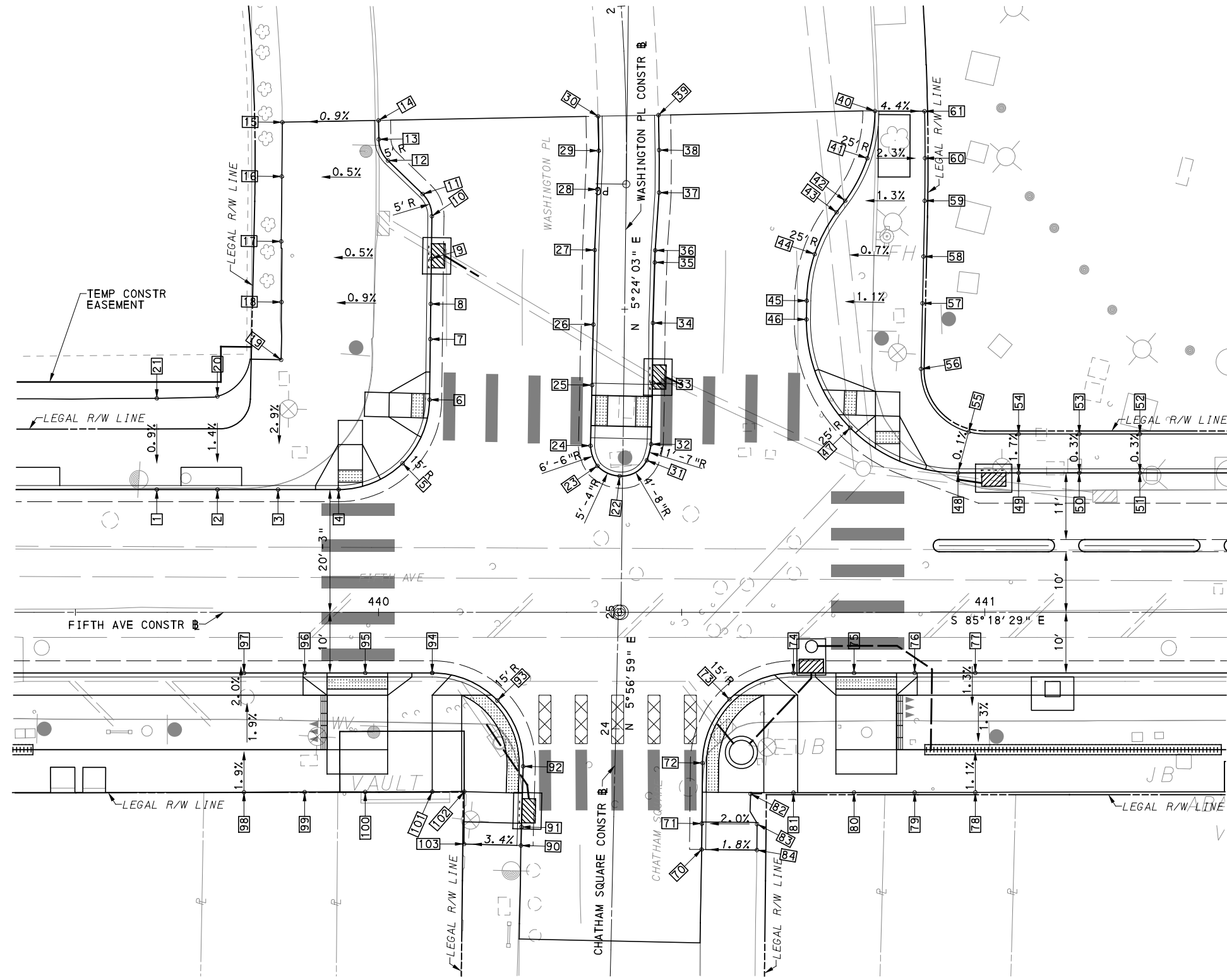
NO.	DATE	DESCRIPTION
REVISIONS		

THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE FEDERAL TRANSIT ADMINISTRATION, U.S. DEPARTMENT OF TRANSPORTATION, UNDER THE URBAN MASS TRANSPORTATION ACT OF 1984, AS AMENDED, FOR THE PORT AUTHORITY OF ALLEGHENY COUNTY, PENNSYLVANIA.

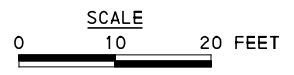
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DRAWN	JBM
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & DIAMOND ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. ID2	SHT. 178



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



(FOR ROADWAY PLAN SEE SHEET 358)

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NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

DESIGNED	MJP/AGO
DRAWN	JBM
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & CHATHAM SQ/WASHINGTON PL	
Port Authority connecting people to life	CONTRACT NO. BRT-001
DWG. NO. ID3	SHT. 179

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	POT	439+63.42	20.25' LT	771.29	771.61	-
2	FIFTH AVE	POT	439+73.42	20.25' LT	771.47	771.80	-
3	FIFTH AVE	POT	439+83.42	20.25' LT	771.64	771.97	-
4	FIFTH AVE	PC	439+93.42	20.25' LT	771.83	*	-
5	FIFTH AVE	POC	440+03.96	24.58' LT	772.09	772.55	-
6	WASHINGTON PLACE	PT	25+34.67	32.00' LT	772.28	*	-
7	WASHINGTON PLACE	POT	25+44.67	32.00' LT	772.47	773.05	-
8	WASHINGTON PLACE	PC	25+50.48	32.00' LT	772.58	773.16	-
9	WASHINGTON PLACE	POC	25+57.96	33.14' LT	772.71	773.29	-
10	WASHINGTON PLACE	PC	25+64.94	32.00' LT	772.93	773.51	-
11	WASHINGTON PLACE	PT	25+68.58	39.69' LT	773.04	773.55	-
12	WASHINGTON PLACE	PC	25+74.45	39.33' LT	773.21	773.60	-
13	WASHINGTON PLACE	PT	25+78.40	40.84' LT	773.35	773.67	-
14	WASHINGTON PLACE	POT	25+81.92	40.84' LT	[773.44]	[773.69]	-
15	WASHINGTON PLACE	-	25+81.92	56.71' LT	-	-	[773.56]
16	WASHINGTON PLACE	-	25+71.30	56.83' LT	-	-	[773.47]
17	WASHINGTON PLACE	-	25+60.48	56.80' LT	-	-	[773.26]
18	WASHINGTON PLACE	-	25+50.48	56.62' LT	-	-	[772.95]
19	WASHINGTON PLACE	-	25+40.95	56.57' LT	-	-	[772.60]
20	FIFTH AVE	-	439+73.42	35.62' LT	-	-	[772.02]
21	FIFTH AVE	-	439+63.42	35.30' LT	-	-	[771.75]
22	WASHINGTON PLACE	PCC	25+22.46	0.50' LT	[772.81]	773.02	-
23	WASHINGTON PLACE	PCC	25+24.09	4.19' LT	[772.72]	773.04	-
24	WASHINGTON PLACE	PT	25+27.41	5.36' LT	[772.62]	772.95	-
25	WASHINGTON PLACE	POT	25+37.41	5.24' LT	[772.60]	772.94	-
26	WASHINGTON PLACE	POT	25+47.41	5.14' LT	[772.79]	773.12	-
27	WASHINGTON PLACE	PI	25+59.71	5.07' LT	[773.01]	773.34	-
28	WASHINGTON PLACE	POT	25+69.70	4.79' LT	[773.19]	773.53	-
29	WASHINGTON PLACE	PI	25+76.16	4.56' LT	[773.34]	773.65	-
30	WASHINGTON PLACE	POT	25+81.92	4.61' LT	[773.42]	[773.75]	-

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
31	WASHINGTON PLACE	POC	25+25.12	3.97' RT	[772.82]	773.15	-
32	WASHINGTON PLACE	PC	25+27.79	4.63' RT	[772.75]	773.08	-
33	WASHINGTON PLACE	POT	25+37.79	4.71' RT	772.56	772.88	-
34	WASHINGTON PLACE	POT	25+47.79	4.69' RT	[772.89]	773.22	-
35	WASHINGTON PLACE	POT	25+57.79	4.87' RT	[773.10]	773.43	-
36	WASHINGTON PLACE	PI	25+59.77	4.90' RT	[773.17]	773.48	-
37	WASHINGTON PLACE	PI	25+69.31	5.43' RT	[773.34]	773.67	-
38	WASHINGTON PLACE	POT	25+76.24	5.39' RT	[773.49]	773.82	-
39	WASHINGTON PLACE	POT	25+81.92	5.36' RT	[773.61]	773.94	-
40	WASHINGTON PLACE	PC	25+81.92	41.07' RT	[773.96]	[774.55]	-
41	WASHINGTON PLACE	POC	25+74.93	39.72' RT	773.82	774.38	-
42	WASHINGTON PLACE	PT	25+68.35	36.13' RT	773.67	774.20	-
43	WASHINGTON PLACE	PC	25+66.43	34.74' RT	773.57	774.15	-
44	WASHINGTON PLACE	POC	25+59.48	31.22' RT	773.40	773.98	-
45	WASHINGTON PLACE	PT	25+51.78	30.00' RT	773.23	773.81	-
46	WASHINGTON PLACE	PC	25+48.68	30.00' RT	773.14	773.72	-
47	FIFTH AVE	POC	440+77.80	30.43' LT	773.26	*	-
48	FIFTH AVE	PT	440+95.59	23.00' LT	773.40	773.74	-
49	FIFTH AVE	POT	441+05.59	23.00' LT	773.56	773.89	-
50	FIFTH AVE	POT	441+15.59	23.00' LT	773.76	774.09	-
51	FIFTH AVE	POT	441+25.59	23.00' LT	773.95	774.29	-
52	FIFTH AVE	-	441+25.59	29.42' LT	-	-	[774.31]
53	FIFTH AVE	-	441+15.59	29.42' LT	-	-	[774.11]
54	FIFTH AVE	-	441+05.59	29.42' LT	-	-	[774.00]
55	FIFTH AVE	-	440+97.34	29.76' LT	-	-	[773.75]
56	WASHINGTON PLACE	-	25+40.76	49.00' RT	-	-	[773.83]
57	WASHINGTON PLACE	-	25+51.59	49.10' RT	-	-	[774.01]
58	WASHINGTON PLACE	-	25+59.30	49.18' RT	-	-	[774.10]
59	WASHINGTON PLACE	-	25+68.51	49.26' RT	-	-	[774.37]
60	WASHINGTON PLACE	-	25+74.94	49.26' RT	-	-	[774.58]
61	WASHINGTON PLACE	-	25+81.76	49.25' RT	-	-	[774.81]

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
90	CHATHAM SQUARE	POT	23+80.41	15.21' LT	[773.92]	[774.33]	-
91	CHATHAM SQUARE	POT	23+83.48	15.19' LT	[773.64]	774.05*	-
92	CHATHAM SQUARE	PC	23+93.48	15.14' LT	772.88	*	-
93	FIFTH AVE	POC	440+19.60	14.54' RT	772.64	*	-
94	FIFTH AVE	PT	440+08.85	10.00' RT	772.42	772.45*	-
95	FIFTH AVE	POT	439+97.81	10.00' RT	772.18	*	-
96	FIFTH AVE	POT	439+87.81	10.00' RT	771.96	*	-
97	FIFTH AVE	POT	439+77.81	10.00' RT	771.75	772.30	-
98	FIFTH AVE	-	439+77.81	29.69' RT	-	-	[772.66]
99	FIFTH AVE	-	439+87.81	29.67' RT	-	-	[772.79]
100	FIFTH AVE	-	439+97.81	29.64' RT	-	-	[773.22]
101	FIFTH AVE	-	440+08.86	29.60' RT	-	-	[773.22]
102	FIFTH AVE	-	440+14.14	29.58' RT	-	-	[773.26]
103	CHATHAM SQUARE	-	23+80.46	24.59' LT	-	-	[774.01]

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
70	CHATHAM SQUARE	POT	23+80.41	14.60' RT	[774.24]	[774.60]	-
71	CHATHAM SQUARE	POT	23+84.69	14.55' RT	[773.85]	774.25*	-
72	CHATHAM SQUARE	PC	23+94.69	14.43' RT	773.27	*	-
73	FIFTH AVE	POC	440+57.88	14.34' RT	773.04	*	-
74	FIFTH AVE	PT	440+68.43	10.00' RT	773.36	773.38*	-
75	FIFTH AVE	POT	440+78.43	10.00' RT	773.46	*	-
76	FIFTH AVE	POT	440+88.44	10.00' RT	773.56	*	-
77	FIFTH AVE	POT	440+98.43	10.00' RT	773.66	773.99	-
78	FIFTH AVE	-	440+98.44	29.70' RT	-	-	[773.91]
79	FIFTH AVE	-	440+88.43	29.72' RT	-	-	[773.87]
80	FIFTH AVE	-	440+78.43	29.74' RT	-	-	[773.86]
81	FIFTH AVE	-	440+68.43	29.76' RT	-	-	[773.80]
82	FIFTH AVE	-	440+61.38	29.96' RT	-	-	[773.94]
83	CHATHAM SQUARE	-	23+84.80	23.65' RT	-	-	[774.42]
84	CHATHAM SQUARE	-	23+80.52	23.71' RT	-	-	[774.76]

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM # 01900.001-DESIGN OF CURB RAMPS

[] MATCH EXISTING ELEVATION



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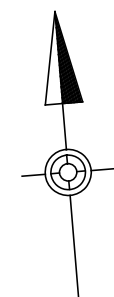
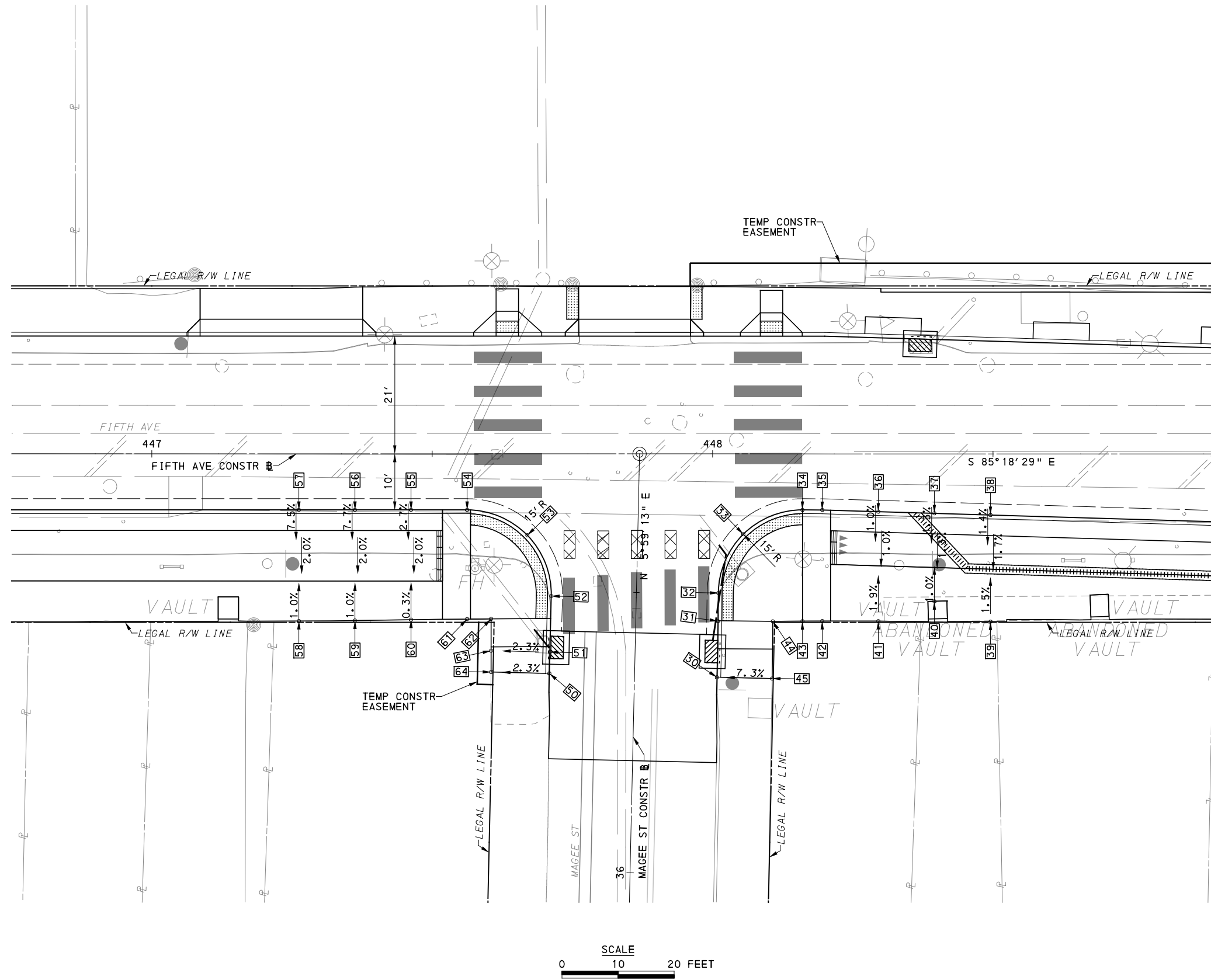
NO.	DATE	DESCRIPTION
REVISIONS		

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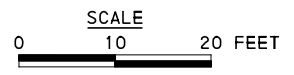
(NOT FOR CONSTRUCTION)

DESIGNED	MJP/AGO
DRAWN	JBM
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & CHATHAM SQ/WASHINGTON PL		
	CONTRACT NO. BRT-001	
DWG. NO.	ID4	SHT. 180



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 359]

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 Pittsburgh, PA 15219

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REVISIONS		

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & MAGEE ST	
Port Authority <small>connecting people to life™</small>	CONTRACT NO. BRT-001 DWG. NO. ID5
	SHT. 181

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
30	MAGEE ST	POT	36+35.22	14.69' RT	[792.18]	[792.70]	-
31	MAGEE ST	POT	36+45.22	14.66' RT	791.93	*	-
32	MAGEE ST	PC	36+50.24	14.60' RT	791.91	*	-
33	FIFTH AVE	POC	448+05.46	14.33' RT	791.85	*	-
34	FIFTH AVE	PT	448+16.01	10.00' RT	792.14	*	-
35	FIFTH AVE	PI	448+19.54	10.00' RT	792.22	*	-
36	FIFTH AVE	POT	448+29.54	10.30' RT	792.46	793.05	-
37	FIFTH AVE	POT	448+39.54	10.60' RT	792.70	793.29	-
38	FIFTH AVE	POT	448+49.54	10.90' RT	792.95	793.53	-
39	FIFTH AVE	-	448+49.54	29.92' RT	-	-	[793.53]
40	FIFTH AVE	-	448+39.54	26.30' RT	-	-	[793.23]
41	FIFTH AVE	-	448+29.54	29.83' RT	-	-	[793.15]
42	FIFTH AVE	-	448+19.54	29.82' RT	-	-	[792.91]
43	FIFTH AVE	-	448+16.01	29.84' RT	-	-	[792.82]
44	FIFTH AVE	-	448+10.72	29.88' RT	-	-	[792.82]
45	MAGEE ST	-	36+35.21	24.54' RT	-	-	[793.28]

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
50	MAGEE ST	POT	36+35.22	15.19' LT	[791.42]	[791.80]	-
51	MAGEE ST	POT	36+39.03	15.18' LT	791.29	791.68*	-
52	MAGEE ST	PC	36+49.03	15.17' LT	791.04	*	-
53	FIFTH AVE	POC	447+66.95	14.52' RT	790.80	*	-
54	FIFTH AVE	PT	447+56.22	10.00' RT	790.57	*	-
55	FIFTH AVE	POT	447+46.22	10.00' RT	790.25	790.58	-
56	FIFTH AVE	POT	447+36.22	10.00' RT	789.98	790.31	-
57	FIFTH AVE	POT	447+26.22	10.00' RT	789.71	790.04	-
58	FIFTH AVE	-	447+26.22	29.82' RT	-	-	[789.71]
59	FIFTH AVE	-	447+36.22	29.73' RT	-	-	[789.97]
60	FIFTH AVE	-	447+46.22	29.58' RT	-	-	[790.34]
61	FIFTH AVE	-	447+56.22	29.47' RT	-	-	[790.94]
62	FIFTH AVE	-	447+60.50	29.44' RT	-	-	[791.34]
63	MAGEE ST	-	36+39.04	25.67' LT	-	-	[791.66]
64	MAGEE ST	-	36+35.22	25.59' LT	-	-	[791.85]

NOTE:
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 [] MATCH EXISTING ELEVATION



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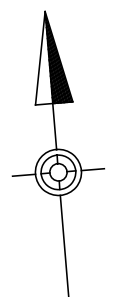
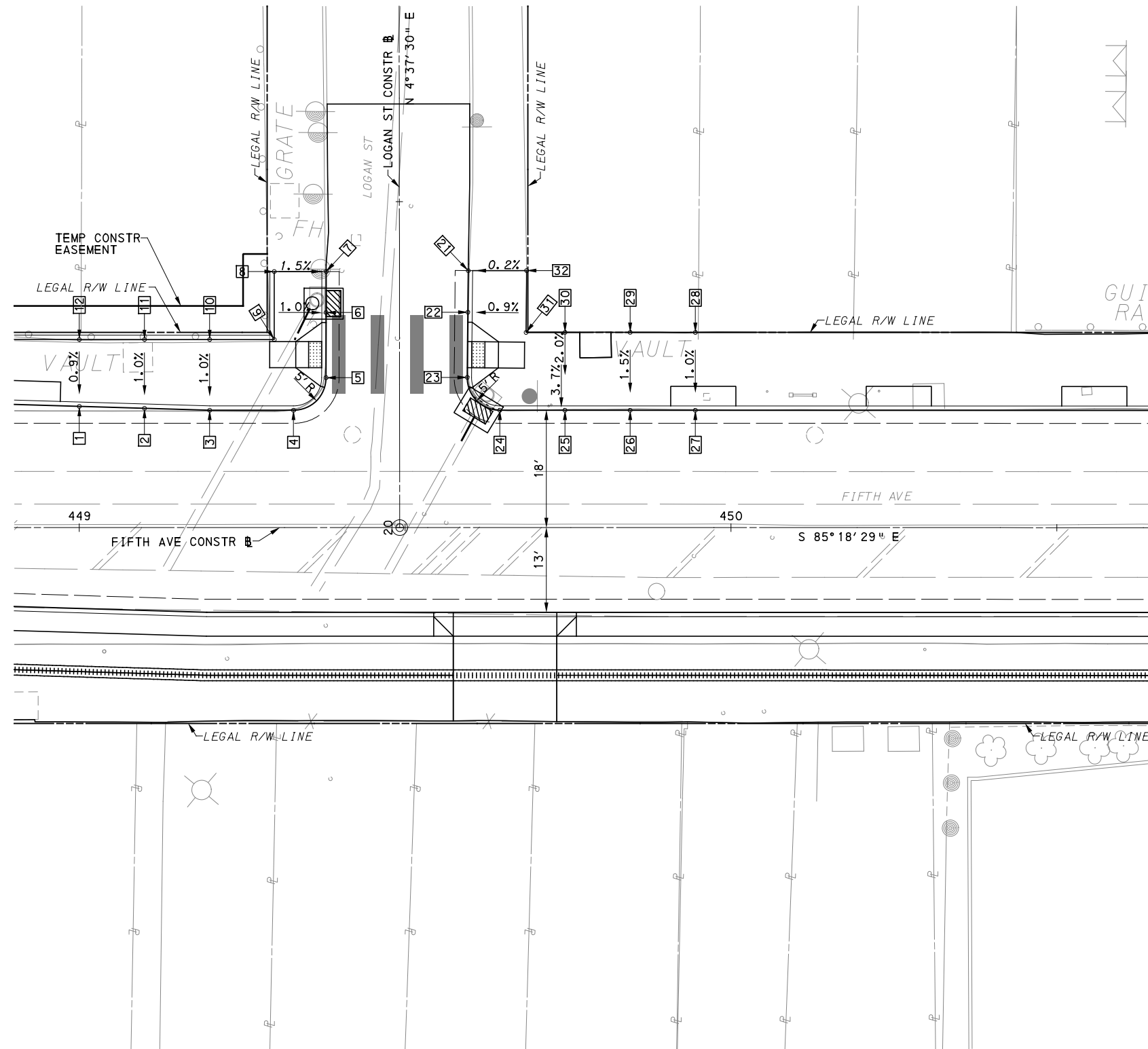
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(NOT FOR CONSTRUCTION)

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & MAGEE ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. ID6	SHT. 182



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 360]

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & LOGAN ST		
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. ID7	SHT. 183

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	POT	449+00.00	18.60' LT	794.16	794.66	-
2	FIFTH AVE	POT	449+10.00	18.30' LT	794.45	794.95	-
3	FIFTH AVE	PI	449+20.00	18.00' LT	794.74	795.24	-
4	FIFTH AVE	PC	449+32.86	18.00' LT	795.10	795.60	-
5	LOGAN ST	PT	20+23.01	11.28' LT	795.43	*	-
6	LOGAN ST	POT	20+33.01	11.26' LT	796.40	796.90*	-
7	LOGAN ST	POT	20+39.31	11.25' LT	[796.90]	[797.36]	-
8	LOGAN ST	-	20+39.31	19.21' LT	[797.47]	[797.49]	-
9	FIFTH AVE	-	449+29.91	28.86' LT	795.56	795.61	-
10	FIFTH AVE	-	449+20.00	28.86' LT	795.34	795.92	-
11	FIFTH AVE	-	449+10.00	28.86' LT	795.05	795.63	-
12	FIFTH AVE	-	449+00.00	28.86' LT	794.75	795.34	-

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
21	LOGAN ST	POT	20+39.42	10.55' RT	[797.48]	[797.83]	-
22	LOGAN ST	POT	20+33.03	10.49' RT	796.80	797.16*	-
23	LOGAN ST	PC	20+23.03	10.38' RT	796.09	*	-
24	FIFTH AVE	PT	449+64.52	18.00' LT	795.93	796.44	-
25	FIFTH AVE	POT	449+74.52	18.00' LT	796.16	796.66	-
26	FIFTH AVE	POT	449+84.52	18.00' LT	796.40	796.90	-
27	FIFTH AVE	POT	449+94.52	18.00' LT	796.63	797.13	-
28	FIFTH AVE	-	449+94.52	29.95' LT	-	-	797.24
29	FIFTH AVE	-	449+84.52	29.95' LT	-	-	[797.07]
30	FIFTH AVE	-	449+74.52	29.95' LT	-	-	[797.02]
31	FIFTH AVE	-	449+68.54	29.95' LT	-	-	[796.96]
32	LOGAN ST	-	20+39.42	19.51' RT	-	-	[797.83]

NOTE:
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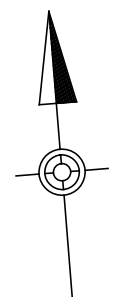
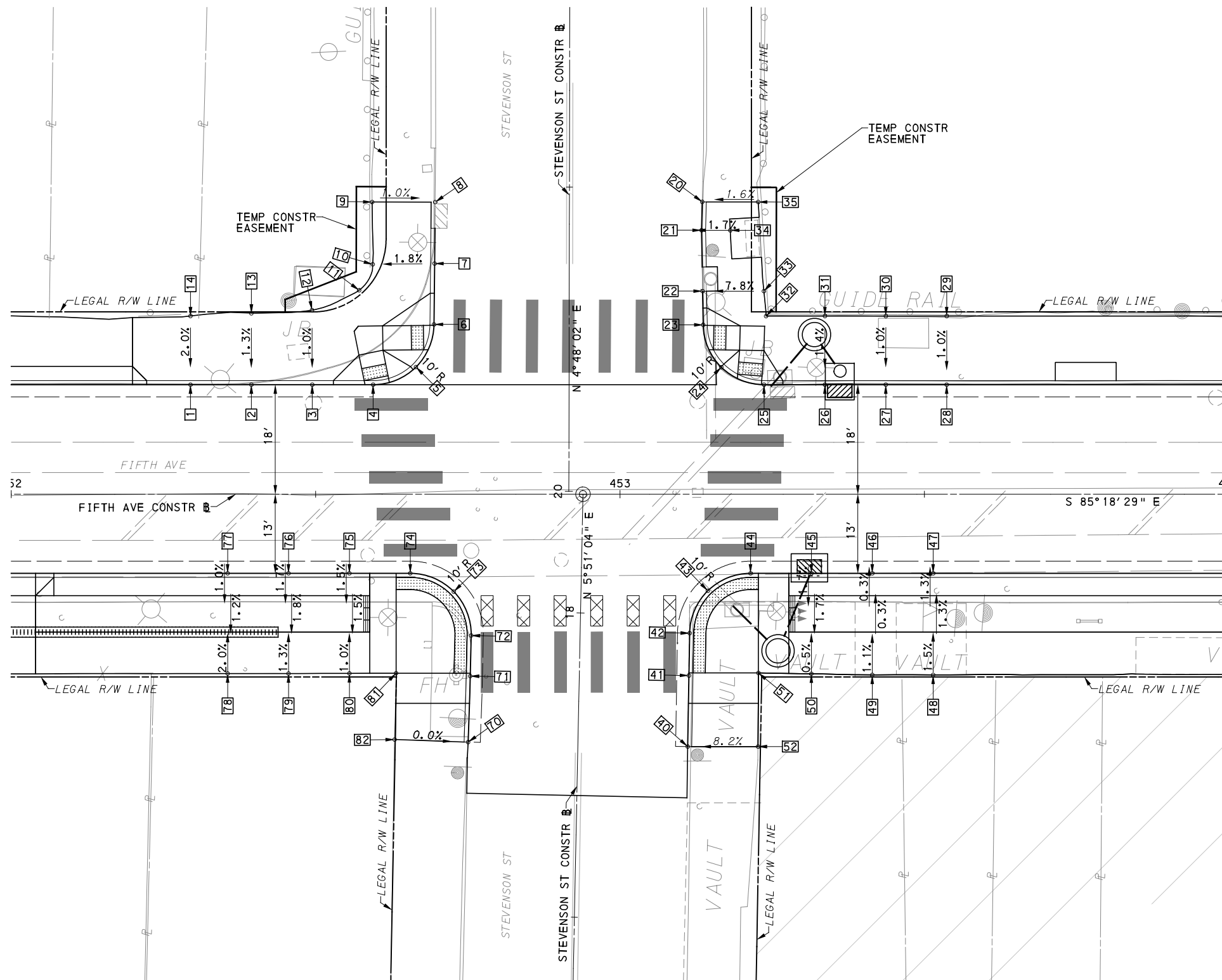
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & LOGAN ST	
Port Authority <small>connecting people to life®</small>	CONTRACT NO. BRT-001
DWG. NO. ID8	SHT. 184



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 360]

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & STEVENSON ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001 DWG. NO. ID9 SHT. 185

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	POT	452+29.45	18.00' LT	802.59	803.09	-
2	FIFTH AVE	POT	452+39.45	18.00' LT	802.84	803.34	-
3	FIFTH AVE	POT	452+49.45	18.00' LT	803.09	803.59	-
4	FIFTH AVE	PC	452+59.45	18.00' LT	803.31	*	-
5	FIFTH AVE	POC	452+66.49	20.89' LT	803.45	*	-
6	STEVENSON ST	PT	20+27.38	22.20' LT	803.94	*	-
7	STEVENSON ST	POT	20+37.38	22.12' LT	805.06	805.56	-
8	STEVENSON ST	POT	20+47.48	22.04' LT	[806.37]	[806.86]	-
9	STEVENSON ST	-	20+47.48	32.39' LT	-	-	[806.95]
10	STEVENSON ST	-	20+37.23	32.28' LT	-	-	[805.35]
11	FIFTH AVE	-	452+57.16	33.51' LT	-	-	[804.39]
12	FIFTH AVE	-	452+49.41	30.25' LT	-	-	[803.71]
13	FIFTH AVE	-	452+39.46	29.72' LT	-	-	[803.45]
14	FIFTH AVE	-	452+29.46	29.28' LT	-	-	[803.31]

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
20	STEVENSON ST	POT	20+47.60	21.83' RT	[806.51]	[807.13]	-
21	STEVENSON ST	PI	20+42.94	21.72' RT	[805.98]	806.50	-
22	STEVENSON ST	POT	20+32.94	21.91' RT	[804.86]	805.53	-
23	STEVENSON ST	PC	20+27.40	22.02' RT	[804.60]	*	-
24	FIFTH AVE	POC	453+16.66	20.87' LT	[804.59]	*	-
25	FIFTH AVE	PT	453+23.67	18.00' LT	804.78	*	-
26	FIFTH AVE	POT	453+33.67	18.00' LT	805.02	805.48	-
27	FIFTH AVE	POT	453+43.67	18.00' LT	805.25	805.50	-
28	FIFTH AVE	POT	453+53.67	18.00' LT	805.49	805.74	-
29	FIFTH AVE	-	453+53.67	29.27' LT	-	-	[805.85]
30	FIFTH AVE	-	453+43.67	29.27' LT	-	-	[805.61]
31	FIFTH AVE	-	453+33.67	29.27' LT	-	-	[805.63]
32	FIFTH AVE	-	453+23.99	29.27' LT	-	-	[805.74]
33	STEVENSON ST	-	20+32.94	31.98' RT	-	-	[806.32]
34	STEVENSON ST	-	20+42.95	26.43' RT	-	-	[806.57]
35	STEVENSON ST	-	20+47.60	31.02' RT	-	-	[807.27]

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
70	STEVENSON ST	POT	17+78.41	18.04' LT	[802.97]	[803.37]	-
71	STEVENSON ST	POT	17+89.27	17.91' LT	[803.28]	803.56*	-
72	STEVENSON ST	PC	17+95.93	17.90' LT	[803.41]	*	-
73	FIFTH AVE	POC	452+72.71	16.01' RT	803.69	*	-
74	FIFTH AVE	PT	452+65.56	13.00' RT	803.68	*	-
75	FIFTH AVE	POT	452+55.56	13.00' RT	803.46	803.62	-
76	FIFTH AVE	POT	452+45.56	13.00' RT	803.22	803.39	-
77	FIFTH AVE	POT	452+35.56	13.00' RT	802.97	803.14	-
78	FIFTH AVE	-	452+35.56	29.47' RT	-	-	[803.18]
79	FIFTH AVE	-	452+45.56	29.47' RT	-	-	[803.32]
80	FIFTH AVE	-	452+55.56	29.45' RT	-	-	[803.56]
81	FIFTH AVE	-	452+63.22	29.42' RT	-	-	[803.75]
82	STEVENSON ST	-	17+78.59	30.12' LT	-	-	[803.52]

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
40	STEVENSON ST	POT	17+78.41	18.05' RT	[803.49]	[803.77]	-
41	STEVENSON ST	POT	17+90.09	18.01' RT	[804.05]	*	-
42	STEVENSON ST	PC	17+97.05	17.98' RT	804.22	*	-
43	FIFTH AVE	POC	453+14.43	15.87' RT	804.60	*	-
44	FIFTH AVE	PT	453+21.45	13.00' RT	804.96	*	-
45	FIFTH AVE	POT	453+31.45	13.00' RT	805.20	805.78	-
46	FIFTH AVE	POT	453+41.45	13.00' RT	805.43	806.02	-
47	FIFTH AVE	POT	453+51.45	13.00' RT	805.67	806.33	-
48	FIFTH AVE	-	453+51.45	29.69' RT	-	-	806.56
49	FIFTH AVE	-	453+41.45	29.70' RT	-	-	806.11
50	FIFTH AVE	-	453+31.45	29.51' RT	-	-	805.66
51	FIFTH AVE	-	453+22.75	29.37' RT	-	-	[805.25]
52	STEVENSON ST	-	17+78.64	29.59' RT	-	-	[804.63]

NOTE:
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 [] MATCH EXISTING ELEVATION



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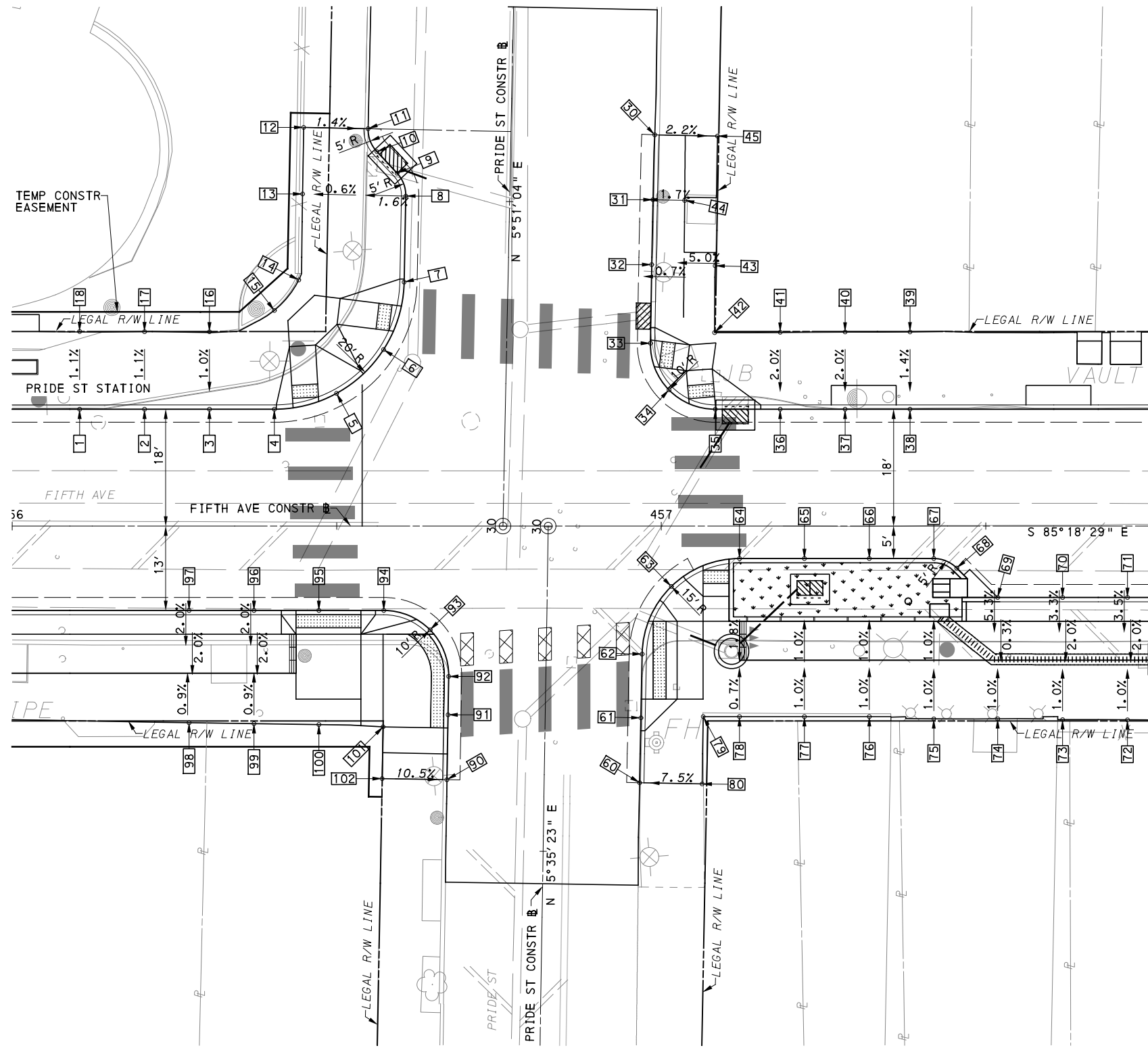
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA
 FIFTH AVE & STEVENSON ST



CONTRACT NO. BRT-001

DWG. NO. ID10 SHT. 186



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 361]

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & PRIDE ST		
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. ID11	SHT. 187

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	POT	456+10.39	18.00' LT	812.13	812.71	-
2	FIFTH AVE	POT	456+20.39	18.00' LT	812.40	812.98	-
3	FIFTH AVE	POT	456+30.39	18.00' LT	812.67	813.25	-
4	FIFTH AVE	PC	456+40.39	18.00' LT	812.98	813.44*	-
5	FIFTH AVE	POC	456+49.98	20.45' LT	[813.14]	*	-
6	PRIDE ST	POC	30+26.82	18.96' LT	[813.88]	*	-
7	PRIDE ST	PT	30+37.28	16.00' LT	[815.02]	*	-
8	PRIDE ST	PC	30+50.53	16.00' LT	[816.50]	816.71	-
9	PRIDE ST	PT	30+54.03	17.42' LT	816.86	817.06	-
10	PRIDE ST	PC	30+57.28	20.60' LT	817.14	817.34	-
11	PRIDE ST	PT	30+60.79	22.02' LT	[817.53]	[818.02]	-
12	PRIDE ST	-	30+60.79	31.96' LT	-	-	[817.79]
13	PRIDE ST	-	30+50.53	31.91' LT	-	-	[816.55]
14	PRIDE ST	-	30+37.28	32.23' LT	-	-	[815.13]
15	FIFTH AVE	-	456+40.39	33.22' LT	-	-	[814.16]
16	FIFTH AVE	-	456+30.39	29.93' LT	-	-	[813.36]
17	FIFTH AVE	-	456+20.39	29.95' LT	-	-	[813.10]
18	FIFTH AVE	-	456+10.39	29.97' LT	-	-	[812.83]

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
30	PRIDE ST	POT	30+60.74	22.15' RT	[818.05]	[818.35]	-
31	PRIDE ST	POT	30+50.74	22.09' RT	[816.99]	817.32	-
32	PRIDE ST	POT	30+40.74	22.09' RT	[816.06]	816.39	-
33	PRIDE ST	PC	30+28.62	22.13' RT	[815.11]	*	-
34	FIFTH AVE	POC	457+01.20	20.99' LT	[814.55]	*	-
35	FIFTH AVE	PT	457+08.33	18.00' LT	814.77	815.28	-
36	FIFTH AVE	POT	457+18.33	18.00' LT	815.03	815.62	-
37	FIFTH AVE	POT	457+28.33	18.00' LT	815.30	815.89	-
38	FIFTH AVE	POT	457+38.33	18.00' LT	815.57	816.12	-
39	FIFTH AVE	-	457+38.33	29.91' LT	-	-	[816.28]
40	FIFTH AVE	-	457+28.33	29.91' LT	-	-	816.11
41	FIFTH AVE	-	457+18.33	29.87' LT	-	-	815.84
42	FIFTH AVE	-	457+08.22	29.82' LT	-	-	815.92
43	PRIDE ST	-	30+40.74	31.85' RT	-	-	[816.66]
44	PRIDE ST	-	30+50.74	26.96' RT	-	-	[817.39]
45	PRIDE ST	-	30+60.74	31.82' RT	-	-	[818.55]

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
90	PRIDE ST	POT	29+60.80	14.99' LT	[812.83]	[813.46]	-
91	PRIDE ST	POT	29+70.80	14.98' LT	[813.21]	*	-
92	PRIDE ST	PC	29+76.70	14.97' LT	[813.47]	*	-
93	FIFTH AVE	POC	456+64.39	15.99' RT	[813.72]	*	-
94	FIFTH AVE	PT	456+57.26	13.00' RT	813.60	*	-
95	FIFTH AVE	POT	456+47.26	13.00' RT	813.35	*	-
96	FIFTH AVE	POT	456+37.26	13.00' RT	813.08	813.25	-
97	FIFTH AVE	POT	456+27.26	13.00' RT	812.81	812.98	-
98	FIFTH AVE	-	456+27.26	30.' 30 RT	-	-	[813.02]
99	FIFTH AVE	-	456+37.26	29.06' RT	-	-	[813.38]
100	FIFTH AVE	-	456+47.26	29.07' RT	-	-	[813.68]
101	FIFTH AVE	-	456+57.73	29.07' RT	-	-	[813.94]
102	PRIDE ST	-	29+60.81	24.41' LT	-	-	[813.64]

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
60	PRIDE ST	POT	29+60.80	14.71' RT	[813.50]	[813.84]	-
61	PRIDE ST	POT	29+70.80	14.74' RT	[813.77]	*	-
62	PRIDE ST	PC	29+80.63	14.78' RT	[814.09]	*	-
63	FIFTH AVE	POC	457+01.56	9.29' RT	[814.65]	815.15*	-
64	FIFTH AVE	PT	457+12.06	5.00' RT	815.23	815.73*	-
65	FIFTH AVE	POT	457+22.06	5.00' RT	815.50	816.08	-
66	FIFTH AVE	POT	457+32.06	5.00' RT	815.76	816.35	-
67	FIFTH AVE	PC	457+42.00	5.00' RT	816.03	816.61	-
68	FIFTH AVE	PT	457+45.54	6.47' RT	816.08	816.66	-
69	FIFTH AVE	POT	457+51.84	11.00' RT	816.21	816.45	-
70	FIFTH AVE	POT	457+61.84	11.00' RT	816.39	816.73	-
71	FIFTH AVE	POT	457+71.84	11.00' RT	816.67	817.01	-
72	FIFTH AVE	-	457+71.84	29.85' RT	-	-	[816.87]
73	FIFTH AVE	-	457+61.84	29.81' RT	-	-	[816.60]
74	FIFTH AVE	-	457+51.84	29.69' RT	-	-	[816.36]
75	FIFTH AVE	-	457+42.00	29.70' RT	-	-	[816.21]
76	FIFTH AVE	-	457+32.06	29.36' RT	-	-	[816.11]
77	FIFTH AVE	-	457+22.06	29.36' RT	-	-	[816.01]
78	FIFTH AVE	-	457+12.06	29.36' RT	-	-	[815.80]
79	FIFTH AVE	-	457+06.47	29.36' RT	-	-	[815.57]
80	PRIDE ST	-	29+60.76	24.33' RT	-	-	[814.37]

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM # 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



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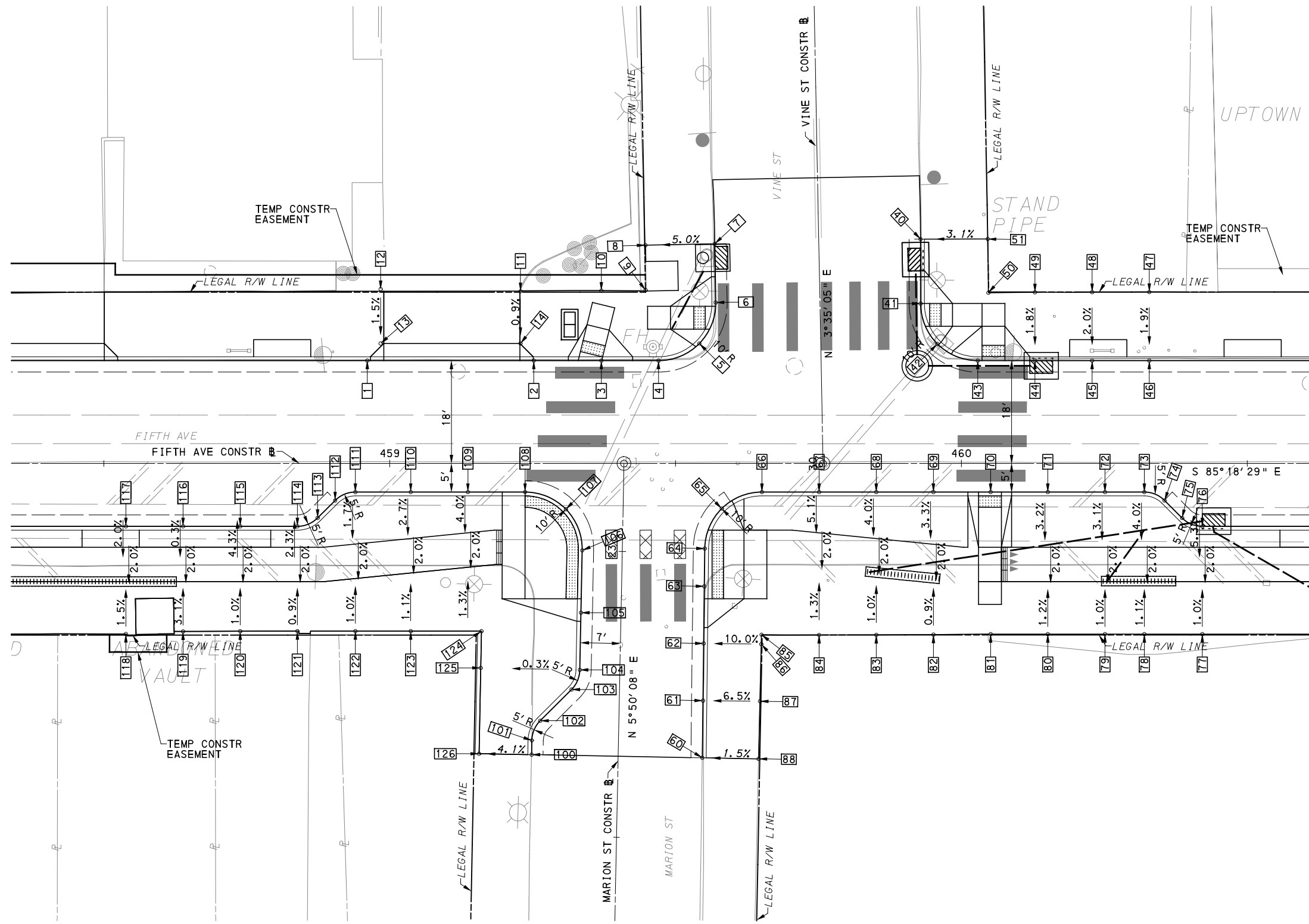
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REVISIONS		

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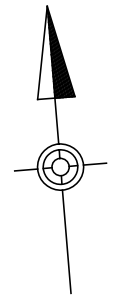
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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & PRIDE ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. ID12	SHT. 188



LEGEND

- ELEVATION POINT IDENTIFICATION
- DETECTABLE WARNING SURFACE
- DIRECTIONAL INDICATOR
- CURB RAMP
- PAV'T SAW CUT LINE



FOR ROADWAY PLAN SEE SHEET 362

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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 INTERSECTION DETAILS
 FIFTH AVE & MARION ST/VINE ST

Port Authority connecting people to life®

CONTRACT NO. BRT-001
 DWG. NO. ID13 SHT. 189

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	POT	458+96.08	18.00' LT	819.74	820.24	-
2	FIFTH AVE	POT	459+25.21	18.00' LT	820.53	821.03	-
3	FIFTH AVE	POT	459+37.02	18.00' LT	820.90	*	-
4	FIFTH AVE	PC	459+47.02	18.00' LT	821.27	821.77	-
5	FIFTH AVE	POC	459+54.15	20.99' LT	821.82	*	-
6	VINE ST	PT	30+28.52	18.23' LT	[822.36]	*	-
7	VINE ST	POT	30+38.79	18.20' LT	[823.39]	[823.85]	-
8	VINE ST	-	30+38.79	30.32' LT	-	-	[823.28]
9	FIFTH AVE	-	459+44.77	30.32' LT	-	-	[821.80]
10	FIFTH AVE	-	459+37.02	30.24' LT	-	-	[821.52]
11	FIFTH AVE	-	459+22.87	30.13' LT	-	-	[821.09]
12	FIFTH AVE	-	458+98.42	30.52' LT	-	-	[820.48]
13	FIFTH AVE	-	458+98.42	21.00' LT	-	-	820.34
14	FIFTH AVE	-	459+22.87	21.00' LT	-	-	821.01

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
100	MARION ST	POT	22+64.16	15.13' LT	[819.14]	[819.41]	-
101	MARION ST	PC	22+66.65	15.14' LT	819.25	819.51	-
102	MARION ST	PT	22+70.12	13.74' LT	819.41	819.70	-
103	MARION ST	PC	22+75.69	8.39' LT	819.80	820.12	-
104	MARION ST	PT	22+79.15	7.00' LT	819.96	820.30	-
105	MARION ST	POT	22+89.15	7.00' LT	820.34	*	-
106	MARION ST	PC	23+00.07	7.00' LT	820.68	*	-
107	FIFTH AVE	POC	459+30.82	8.00' RT	820.85	*	-
108	FIFTH AVE	PT	459+23.68	5.00' RT	820.85	*	-
109	FIFTH AVE	POT	459+13.68	5.00' RT	820.57	820.90	-
110	FIFTH AVE	POT	459+03.68	5.00' RT	820.30	820.63	-
111	FIFTH AVE	PC	458+94.00	5.00' RT	820.04	820.37	-
112	FIFTH AVE	PT	458+90.46	6.46' RT	819.90	820.25	-
113	FIFTH AVE	PC	458+87.39	9.54' RT	819.73	820.08	-
114	FIFTH AVE	PT	458+83.86	11.00' RT	819.60	819.92	-
115	FIFTH AVE	POT	458+73.86	11.00' RT	819.32	819.65	-
116	FIFTH AVE	POT	458+63.86	11.00' RT	819.05	819.39	-
117	FIFTH AVE	POT	458+53.86	11.00' RT	818.78	819.12	-
118	FIFTH AVE	-	458+53.86	29.83' RT	-	-	[819.08]
119	FIFTH AVE	-	458+63.86	29.39' RT	-	-	[819.53]
120	FIFTH AVE	-	458+73.86	29.35' RT	-	-	[819.75]
121	FIFTH AVE	-	458+83.86	29.33' RT	-	-	[819.95]
122	FIFTH AVE	-	458+94.00	29.33' RT	-	-	820.20
123	FIFTH AVE	-	459+03.68	29.33' RT	-	-	820.42
124	FIFTH AVE	-	459+16.06	29.33' RT	-	-	820.68
125	MARION ST	-	22+79.15	24.33' LT	-	-	820.33
126	MARION ST	-	22+64.13	24.33' LT	-	-	[819.51]

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
40	VINE ST	POT	30+38.92	17.80' RT	[824.16]	[824.51]	-
41	VINE ST	PC	30+27.65	17.60' RT	[823.02]	*	-
42	FIFTH AVE	POC	459+95.80	20.92' LT	822.72	*	-
43	FIFTH AVE	PT	460+02.87	18.00' LT	822.56	*	-
44	FIFTH AVE	POT	460+12.87	18.00' LT	822.71	823.30*	-
45	FIFTH AVE	POT	460+22.87	18.00' LT	822.90	823.48	-
46	FIFTH AVE	POT	460+32.87	18.00' LT	823.11	823.69	-
47	FIFTH AVE	-	460+32.87	30.00' LT	-	-	823.91
48	FIFTH AVE	-	460+22.87	29.97' LT	-	-	823.71
49	FIFTH AVE	-	460+12.87	29.96' LT	-	-	823.50
50	FIFTH AVE	-	460+04.71	29.88' LT	-	-	823.35
51	VINE ST	-	30+38.71	29.56' RT	-	-	[824.86]

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
60	MARION ST	POT	22+64.21	14.73' RT	[819.65]	[820.02]	-
61	MARION ST	POT	22+74.21	14.64' RT	[820.03]	820.39	-
62	MARION ST	POT	22+84.20	14.56' RT	[820.50]	820.84	-
63	MARION ST	POT	22+94.20	14.48' RT	[820.99]	*	-
64	MARION ST	PC	23+00.81	14.42' RT	821.25	*	-
65	FIFTH AVE	POC	459+58.08	7.89' RT	821.55	*	-
66	FIFTH AVE	PT	459+65.11	5.00' RT	821.85	822.18	-
67	FIFTH AVE	POT	459+75.11	5.00' RT	822.09	822.42	-
68	FIFTH AVE	POT	459+85.11	5.00' RT	822.36	822.69	-
69	FIFTH AVE	POT	459+95.11	5.00' RT	822.62	822.96	-
70	FIFTH AVE	POT	460+05.11	5.00' RT	822.87	*	-
71	FIFTH AVE	POT	460+15.11	5.00' RT	823.10	823.43	-
72	FIFTH AVE	POT	460+25.11	5.00' RT	823.31	823.64	-
73	FIFTH AVE	PC	460+32.00	5.00' RT	823.45	823.78	-
74	FIFTH AVE	PT	460+35.54	6.46' RT	823.48	823.80	-
75	FIFTH AVE	PC	460+38.61	9.54' RT	823.55	823.88	-
76	FIFTH AVE	PT	460+42.14	11.00' RT	823.49	823.81	-
77	FIFTH AVE	-	460+42.14	29.85' RT	-	-	[823.62]
78	FIFTH AVE	-	460+32.00	29.85' RT	-	-	[823.40]
79	FIFTH AVE	-	460+25.11	29.85' RT	-	-	[823.33]
80	FIFTH AVE	-	460+15.11	29.85' RT	-	-	[823.13]
81	FIFTH AVE	-	460+05.11	29.85' RT	-	-	[822.85]
82	FIFTH AVE	-	459+95.11	29.94' RT	-	-	[822.65]
83	FIFTH AVE	-	459+85.11	30.00' RT	-	-	[822.38]
84	FIFTH AVE	-	459+75.11	30.01' RT	-	-	[822.13]
85	FIFTH AVE	-	459+65.04	29.95' RT	-	-	[821.86]
86	MARION ST	-	22+84.29	24.64' RT	-	-	[821.75]
87	MARION ST	-	22+74.29	24.61' RT	-	-	[820.93]
88	MARION ST	-	22+64.21	24.58' RT	-	-	[820.34]

NOTE:
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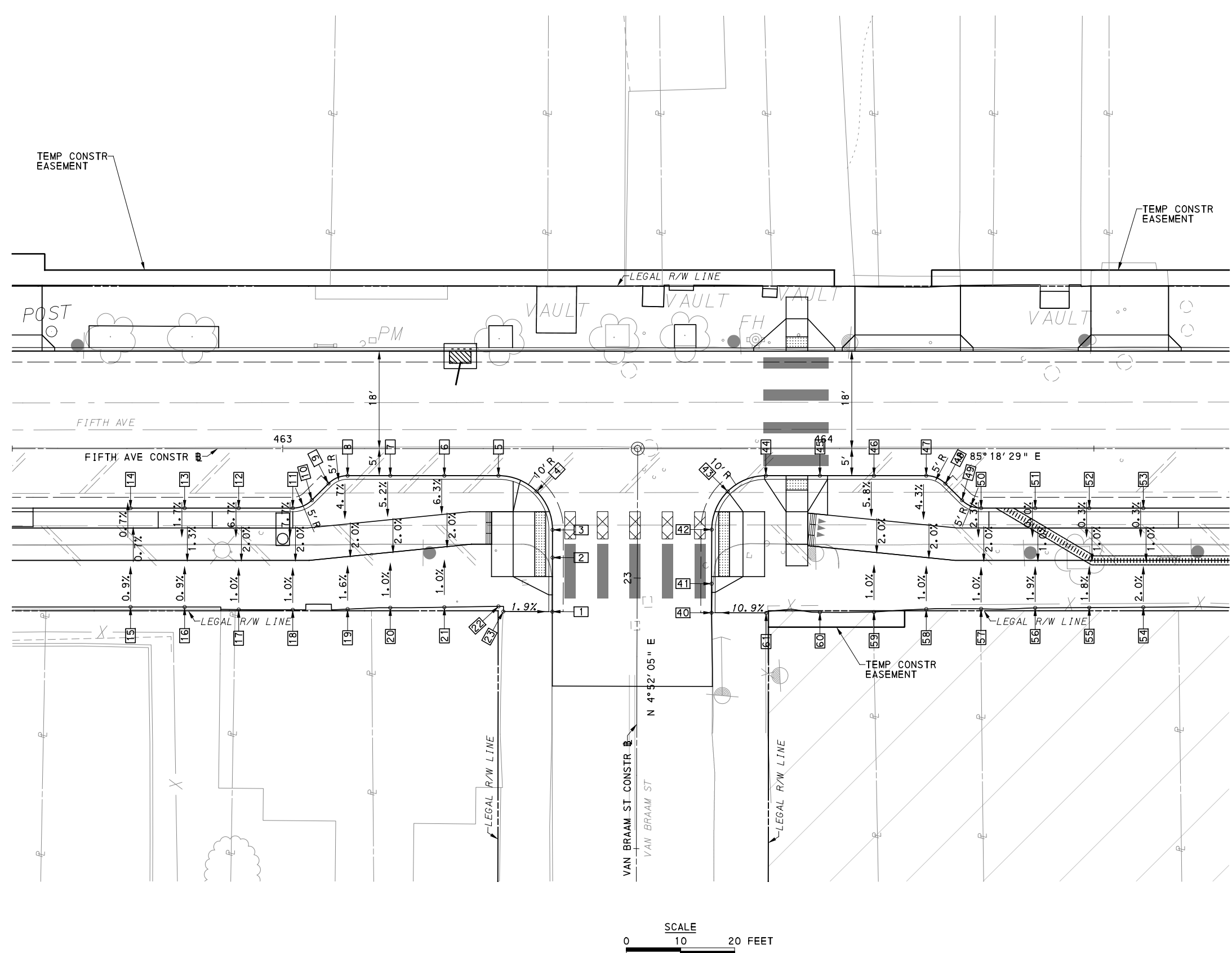
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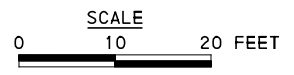
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & MARION ST/VINE ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ID14 SHT. 190



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 362]

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & VAN BRAAM ST		
	CONTRACT NO. BRT-001	
	DWG. NO. ID15	SHT. 191

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	VAN BRAAM ST	POT	22+93.74	15.67' LT	[829.32]	[829.76]	-
2	VAN BRAAM ST	POT	23+03.74	15.68' LT	[829.77]	*	-
3	VAN BRAAM ST	PC	23+08.87	15.69' LT	[830.04]	*	-
4	FIFTH AVE	POC	463+46.97	7.93' RT	[830.30]	*	-
5	FIFTH AVE	PT	463+39.90	5.00' RT	[830.33]	830.66	-
6	FIFTH AVE	POT	463+29.90	5.00' RT	830.13	830.47	-
7	FIFTH AVE	POT	463+19.90	5.00' RT	829.93	830.27	-
8	FIFTH AVE	PC	463+12.00	5.00' RT	829.78	830.11	-
9	FIFTH AVE	PT	463+08.46	6.46' RT	829.67	830.01	-
10	FIFTH AVE	PC	463+05.39	9.54' RT	829.51	829.85	-
11	FIFTH AVE	PT	463+01.86	11.00' RT	829.41	829.73	-
12	FIFTH AVE	POT	462+91.86	11.00' RT	829.17	829.50	-
13	FIFTH AVE	POT	462+81.86	11.00' RT	828.93	829.27	-
14	FIFTH AVE	POT	462+71.86	11.00' RT	828.70	829.03	-
15	FIFTH AVE	-	462+71.86	29.28' RT	-	-	829.17
16	FIFTH AVE	-	462+81.86	29.28' RT	-	-	829.22
17	FIFTH AVE	-	462+91.86	29.76' RT	-	-	829.27
18	FIFTH AVE	-	463+01.86	29.79' RT	-	-	[829.47]
19	FIFTH AVE	-	463+12.00	29.68' RT	-	-	[829.76]
20	FIFTH AVE	-	463+19.90	29.42' RT	-	-	[829.86]
21	FIFTH AVE	-	463+29.90	29.32' RT	-	-	[830.05]
22	FIFTH AVE	-	463+39.90	29.17' RT	-	-	[830.03]
23	VAN BRAAM ST	-	22+93.74	24.74' RT	-	-	[829.92]

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
40	VAN BRAM ST	POT	22+93.63	13.76' RT	[829.61]	[829.82]	-
41	VAN BRAM ST	POT	22+99.00	13.76' RT	[829.84]	*	-
42	VAN BRAM ST	PC	23+09.00	13.76' RT	[830.59]	*	-
43	FIFTH AVE	POC	463+82.28	7.92' RT	831.07	831.40*	-
44	FIFTH AVE	PT	463+89.34	5.00' RT	831.47	*	-
45	FIFTH AVE	POT	463+99.34	5.00' RT	831.71	*	-
46	FIFTH AVE	POT	464+09.34	5.00' RT	831.97	832.31	-
47	FIFTH AVE	PC	464+19.00	5.00' RT	832.22	832.56	-
48	FIFTH AVE	PT	464+22.54	6.46' RT	832.27	832.60	-
49	FIFTH AVE	PC	464+25.61	9.54' RT	832.36	832.58	-
50	FIFTH AVE	PT	464+29.14	11.00' RT	832.32	832.64	-
51	FIFTH AVE	POT	464+39.14	11.00' RT	832.57	832.90	-
52	FIFTH AVE	POT	464+49.14	11.00' RT	832.83	833.16	-
53	FIFTH AVE	POT	464+59.14	11.00' RT	833.06	833.39	-
54	FIFTH AVE	-	464+59.14	29.32' RT	-	-	[833.49]
55	FIFTH AVE	-	464+49.14	29.40' RT	-	-	[833.25]
56	FIFTH AVE	-	464+39.14	29.43' RT	-	-	[833.01]
57	FIFTH AVE	-	464+29.14	29.61' RT	-	-	[832.54]
58	FIFTH AVE	-	464+19.00	29.66' RT	-	-	[832.18]
59	FIFTH AVE	-	464+09.34	30.21' RT	-	-	[831.87]
60	FIFTH AVE	-	463+99.34	30.26' RT	-	-	[831.50]
61	FIFTH AVE	-	463+89.39	30.37' RT	-	-	[830.85]

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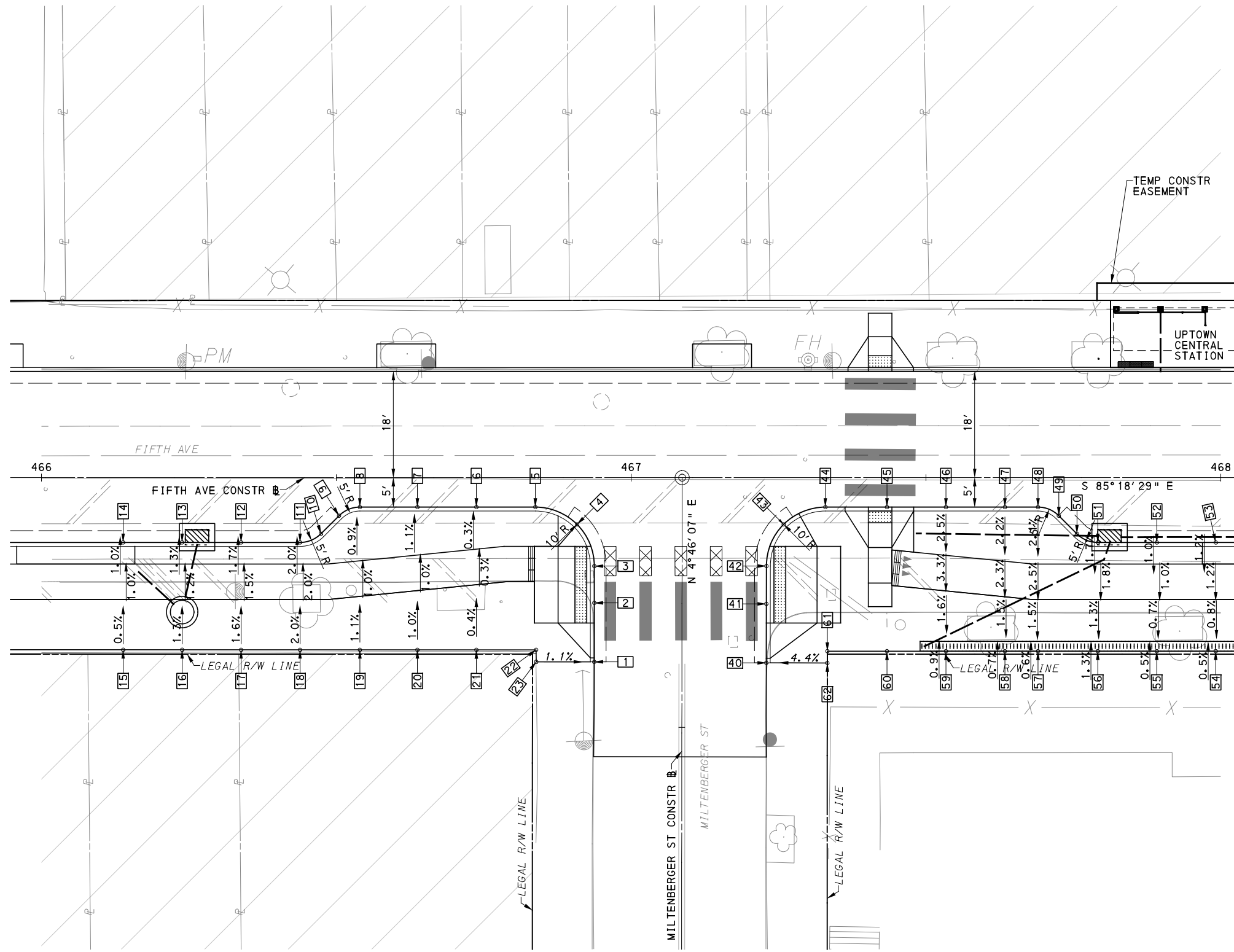
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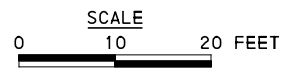
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & VAN BRAAM ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ID16 SHT. 192



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 363]

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & MILTENBERGER ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ID17

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	MILTENBERGER ST	POT	15+61.09	14.87' LT	[838.00]	[838.41*]	-
2	MILTENBERGER ST	POT	15+71.09	14.88' LT	[838.35]	*	-
3	MILTENBERGER ST	PC	15+77.33	14.88' LT	[838.56]	*	-
4	FIFTH AVE	POC	466+90.83	7.93' RT	[838.58]	838.91*	-
5	FIFTH AVE	PT	466+83.76	5.00' RT	838.51	838.84	-
6	FIFTH AVE	POT	466+73.76	5.00' RT	838.27	838.60	-
7	FIFTH AVE	POT	466+63.76	5.00' RT	838.03	838.36	-
8	FIFTH AVE	PC	466+54.00	5.00' RT	837.80	838.13	-
9	FIFTH AVE	PT	466+50.46	6.46' RT	837.67	838.02	-
10	FIFTH AVE	PC	466+47.39	9.54' RT	837.50	837.86	-
11	FIFTH AVE	PT	466+43.86	11.00' RT	837.39	837.71	-
12	FIFTH AVE	POT	466+33.86	11.00' RT	837.14	837.47	-
13	FIFTH AVE	POT	466+23.86	11.00' RT	836.90	837.23	-
14	FIFTH AVE	POT	466+13.86	11.00' RT	836.66	837.00	-
15	FIFTH AVE	-	466+13.86	29.20' RT	-	-	837.17
16	FIFTH AVE	-	466+23.86	29.20' RT	-	-	837.45
17	FIFTH AVE	-	466+33.86	29.20' RT	-	-	837.75
18	FIFTH AVE	-	466+43.86	29.20' RT	-	-	838.06
19	FIFTH AVE	-	466+54.00	29.20' RT	-	-	838.37
20	FIFTH AVE	-	466+63.76	29.20' RT	-	-	838.60
21	FIFTH AVE	-	466+73.76	29.20' RT	-	-	838.68
22	FIFTH AVE	-	466+83.89	29.20' RT	-	-	[838.58]
23	MILTENBERGER ST	-	15+61.09	24.71' LT	-	-	[838.51]

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
40	MILTENBERGER ST	POT	15+60.96	14.30' RT	[838.39]	[838.56*]	-
41	MILTENBERGER ST	POT	15+70.96	14.30' RT	[838.80]	*	-
42	MILTENBERGER ST	PC	15+77.39	14.30' RT	[839.15]	*	-
43	FIFTH AVE	POC	467+25.87	7.92' RT	[839.41]	*	-
44	FIFTH AVE	PT	467+32.94	5.00' RT	839.60	839.77	-
45	FIFTH AVE	POT	467+43.39	5.00' RT	839.83	*	-
46	FIFTH AVE	POT	467+53.39	5.00' RT	840.06	840.22	-
47	FIFTH AVE	POT	467+63.39	5.00' RT	840.32	840.48	-
48	FIFTH AVE	PC	467+69.00	5.00' RT	840.47	840.63	-
49	FIFTH AVE	PT	467+72.54	6.46' RT	840.50	840.66	-
50	FIFTH AVE	PC	467+75.61	9.54' RT	840.53	840.69	-
51	FIFTH AVE	PT	467+79.14	11.00' RT	840.56	840.72	-
52	FIFTH AVE	POT	467+89.14	11.00' RT	840.82	840.98	-
53	FIFTH AVE	POT	467+99.14	11.00' RT	841.08	841.25	-
54	FIFTH AVE	-	467+99.14	29.43' RT	-	-	841.07
55	FIFTH AVE	-	467+89.14	29.43' RT	-	-	840.83
56	FIFTH AVE	-	467+79.14	29.43' RT	-	-	840.45
57	FIFTH AVE	-	467+69.00	29.43' RT	-	-	840.16
58	FIFTH AVE	-	467+63.39	29.43' RT	-	-	840.02
59	FIFTH AVE	-	467+53.39	29.43' RT	-	-	839.67
60	FIFTH AVE	-	467+43.39	29.43' RT	-	-	839.34
61	FIFTH AVE	-	467+33.28	29.43' RT	-	-	838.98
62	MILTENBERGER ST	-	15+60.96	24.66' RT	-	-	[838.99]

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM * 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



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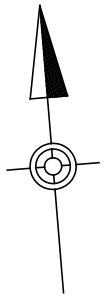
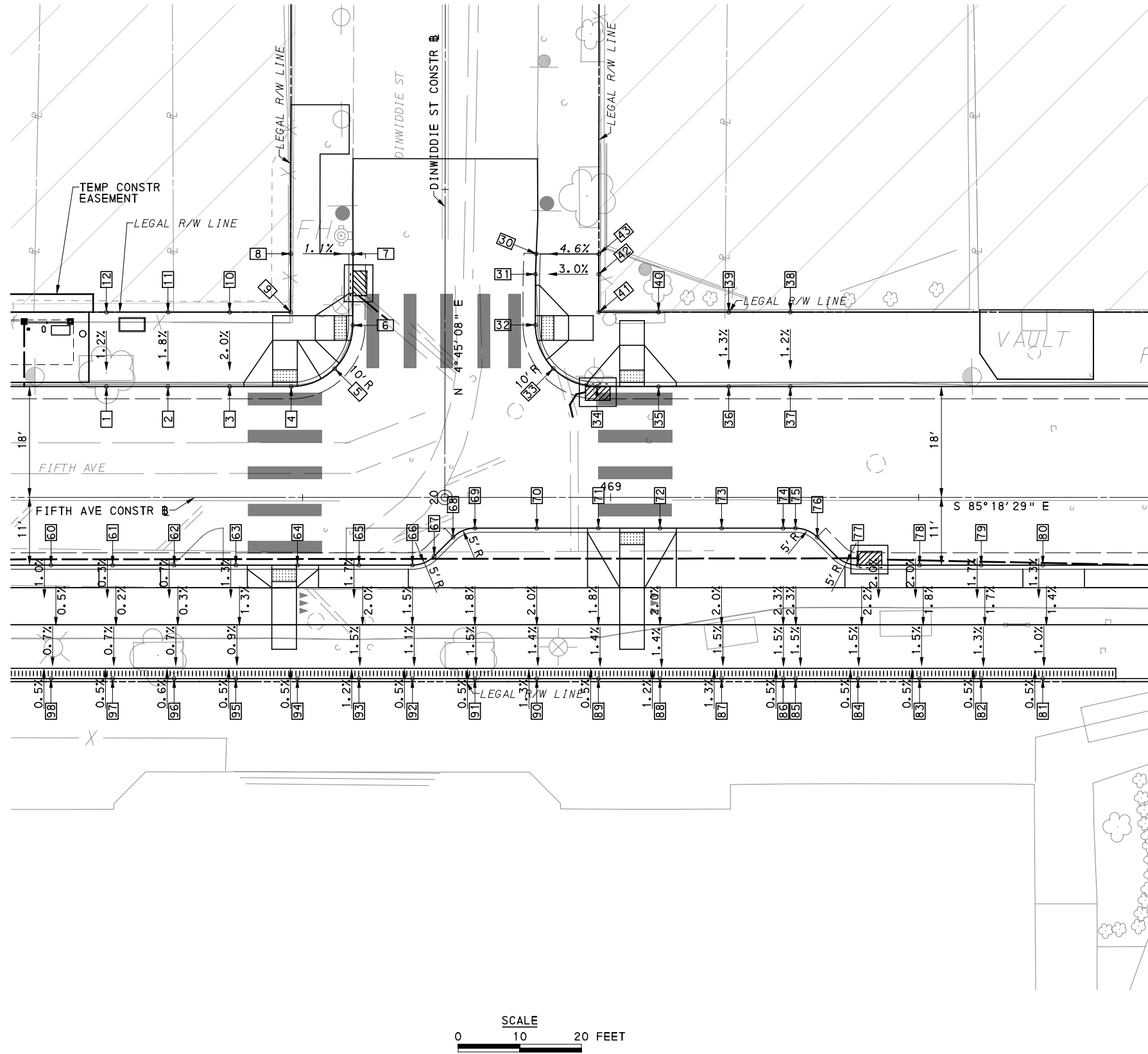
NO.	DATE	DESCRIPTION
REVISIONS		

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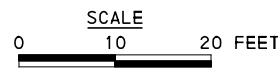
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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & MILTENBERGER ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. ID18	SHT. 194



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 363]



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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & DINWIDDIE ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ID19

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	POT	468+18.13	18.00' LT	841.38	841.96	-
2	FIFTH AVE	POT	468+28.13	18.00' LT	841.62	842.21	-
3	FIFTH AVE	POT	468+38.13	18.00' LT	841.87	842.45	-
4	FIFTH AVE	PC	468+48.13	18.00' LT	842.12	*	-
5	FIFTH AVE	POC	468+55.19	20.91' LT	842.48	842.87*	-
6	DINWIDDIE ST	PT	20+27.93	14.97' LT	842.85	*	-
7	DINWIDDIE ST	POT	20+39.54	14.92' LT	[843.61]	[843.84]	-
8	DINWIDDIE ST	-	20+39.54	25.05' LT	-	-	843.93
9	FIFTH AVE	-	468+48.05	30.08' LT	-	-	842.93
10	FIFTH AVE	-	468+38.13	30.08' LT	-	-	842.68
11	FIFTH AVE	-	468+28.13	30.08' LT	-	-	[842.43]
12	FIFTH AVE	-	468+18.13	30.08' LT	-	-	[842.11]

SOUTH QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
60	FIFTH AVE	POT	468+09.14	11.00' RT	841.33	841.50	-
61	FIFTH AVE	POT	468+19.14	11.00' RT	841.58	841.74	-
62	FIFTH AVE	POT	468+29.14	11.00' RT	841.83	841.99	-
63	FIFTH AVE	POT	468+39.14	11.00' RT	842.08	842.24	-
64	FIFTH AVE	POT	468+49.14	11.00' RT	842.32	*	-
65	FIFTH AVE	POT	468+59.14	11.00' RT	842.55	842.71	-
66	FIFTH AVE	PC	468+67.81	11.00' RT	842.76	843.32	-
67	FIFTH AVE	PT	468+71.35	9.54' RT	842.86	843.45	-
68	FIFTH AVE	PC	468+74.42	6.46' RT	843.02	843.61	-
69	FIFTH AVE	PT	468+77.95	5.00' RT	843.14	843.73	-
70	FIFTH AVE	POT	468+88.00	5.00' RT	843.37	843.95	-
71	FIFTH AVE	POT	468+98.00	5.00' RT	843.59	*	-
72	FIFTH AVE	POT	469+08.00	5.00' RT	843.81	*	-
73	FIFTH AVE	POT	469+18.00	5.00' RT	844.04	844.62	-
74	FIFTH AVE	POT	469+28.00	5.00' RT	844.27	844.85	-
75	FIFTH AVE	PC	469+30.00	5.00' RT	844.31	844.89	-
76	FIFTH AVE	PT	469+33.54	6.46' RT	844.35	844.93	-
77	FIFTH AVE	POT	469+40.14	11.00' RT	844.37	844.52	-
78	FIFTH AVE	POT	469+50.14	11.00' RT	844.59	844.75	-
79	FIFTH AVE	POT	469+60.14	11.00' RT	844.82	844.98	-
80	FIFTH AVE	POT	469+70.14	11.00' RT	845.05	845.21	-
81	FIFTH AVE	-	469+70.14	29.41' RT	-	-	[845.00]
82	FIFTH AVE	-	469+60.14	29.41' RT	-	-	[844.72]
83	FIFTH AVE	-	469+50.14	29.41' RT	-	-	[844.45]
84	FIFTH AVE	-	469+40.14	29.41' RT	-	-	[844.20]
85	FIFTH AVE	-	469+30.05	29.41' RT	-	-	[844.01]
86	FIFTH AVE	-	469+28.00	29.41' RT	-	-	[843.97]
87	FIFTH AVE	-	469+18.00	29.41' RT	-	-	[843.77]
88	FIFTH AVE	-	469+08.00	29.42' RT	-	-	[843.57]
89	FIFTH AVE	-	468+98.00	29.42' RT	-	-	[843.36]
90	FIFTH AVE	-	468+88.00	29.42' RT	-	-	[843.12]
91	FIFTH AVE	-	468+77.95	29.42' RT	-	-	[842.90]
92	FIFTH AVE	-	468+67.81	29.42' RT	-	-	[842.67]
93	FIFTH AVE	-	468+59.14	29.42' RT	-	-	[842.41]
94	FIFTH AVE	-	468+49.14	29.42' RT	-	-	[842.20]
95	FIFTH AVE	-	468+39.14	29.42' RT	-	-	[842.04]
96	FIFTH AVE	-	468+29.14	29.42' RT	-	-	[841.89]
97	FIFTH AVE	-	468+19.14	29.42' RT	-	-	[841.66]
98	FIFTH AVE	-	468+09.14	29.42' RT	-	-	[841.38]

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
30	DINWIDDIE ST	POT	20+39.58	14.80' RT	[844.29]	[844.39]	-
31	DINWIDDIE ST	PI	20+36.26	14.67' RT	[844.08]	844.31*	-
32	DINWIDDIE ST	PC	20+28.03	14.67' RT	[843.49]	*	-
33	FIFTH AVE	POC	468+90.70	20.93' LT	843.30	843.80*	-
34	FIFTH AVE	PT	468+97.77	18.00' LT	843.22	*	-
35	FIFTH AVE	POT	469+07.77	18.00' LT	843.45	*	-
36	FIFTH AVE	POT	469+19.16	18.00' LT	843.70	844.29	-
37	FIFTH AVE	POT	469+29.16	18.00' LT	843.93	844.51	-
38	FIFTH AVE	-	469+29.16	30.09' LT	-	-	[844.63]
39	FIFTH AVE	-	469+19.16	33.09' LT	-	-	[844.51]
40	FIFTH AVE	-	469+07.77	30.08' LT	-	-	[844.26]
41	FIFTH AVE	-	468+98.05	33.28' LT	-	-	[844.18]
42	DINWIDDIE ST	-	20+36.27	24.95' RT	-	-	[844.57]
43	DINWIDDIE ST	-	20+39.55	24.95' RT	-	-	[844.72]

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM * 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



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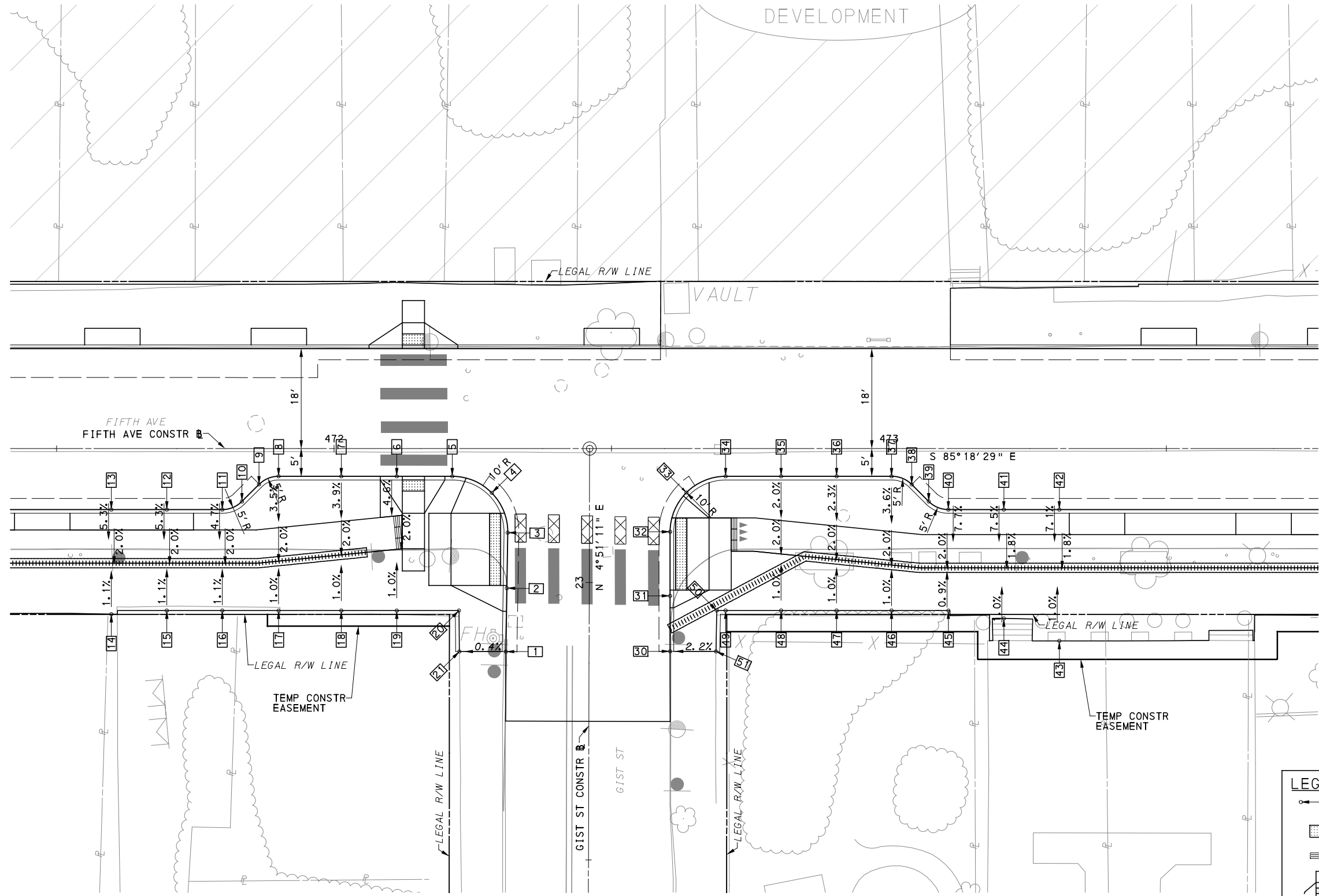
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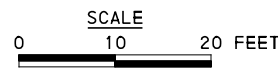
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & DINWIDDIE ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. ID20	SHT. 196



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 364]

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & GIST ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ID21
	SHT. 197

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	GIST ST	POT	22+87.51	15.00' LT	[849.84]	[850.11]	-
2	GIST ST	POT	22+98.94	14.85' LT	[850.29]	*	-
3	GIST ST	PC	22+08.94	14.72' LT	[850.76]	*	-
4	FIFTH AVE	POC	472+28.42	7.99' RT	850.95	*	-
5	FIFTH AVE	PT	472+21.29	5.00' RT	850.87	851.04*	-
6	FIFTH AVE	POT	472+11.29	5.00' RT	850.66	850.82*	-
7	FIFTH AVE	POT	472+01.29	5.00' RT	850.44	850.61	-
8	FIFTH AVE	PC	471+90.00	5.00' RT	850.22	850.39	-
9	FIFTH AVE	PT	471+86.46	6.46' RT	850.11	850.29	-
10	FIFTH AVE	PC	471+83.39	9.54' RT	849.96	850.14	-
11	FIFTH AVE	PT	471+79.86	11.00' RT	849.86	850.02	-
12	FIFTH AVE	POT	471+69.86	11.00' RT	849.66	849.83	-
13	FIFTH AVE	POT	471+59.86	11.00' RT	849.47	849.63	-
14	FIFTH AVE	-	471+59.86	29.85' RT	-	-	[849.45]
15	FIFTH AVE	-	471+69.86	29.20' RT	-	-	849.64
16	FIFTH AVE	-	471+79.86	29.20' RT	-	-	849.85
17	FIFTH AVE	-	471+90.00	29.20' RT	-	-	850.06
18	FIFTH AVE	-	472+01.29	29.20' RT	-	-	850.30
19	FIFTH AVE	-	472+11.29	29.20' RT	-	-	850.51
20	FIFTH AVE	-	472+22.51	29.20' RT	-	-	850.66
21	GIST ST	-	22+87.51	23.37' LT	-	-	[850.08]

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
30	GIST ST	POT	22+87.64	14.60' RT	[850.55]	[850.89]	-
31	GIST ST	POT	22+97.64	14.58' RT	[850.98]	*	-
32	GIST ST	PC	23+09.19	14.55' RT	[851.38]	*	-
33	FIFTH AVE	POC	472+63.49	7.92' RT	[851.67]	852.00*	-
34	FIFTH AVE	PT	472+70.56	5.00' RT	851.94	852.27	-
35	FIFTH AVE	POT	472+80.56	5.00' RT	852.15	852.48	-
36	FIFTH AVE	POT	472+90.56	5.00' RT	852.36	852.70	-
37	FIFTH AVE	PC	473+00.47	5.00' RT	852.57	852.91	-
38	FIFTH AVE	PT	473+04.10	6.46' RT	852.60	852.93	-
39	FIFTH AVE	PC	473+07.17	9.54' RT	852.64	852.97	-
40	FIFTH AVE	PT	473+10.70	11.00' RT	852.65	852.98	-
41	FIFTH AVE	POT	473+20.70	11.00' RT	852.78	853.12	-
42	FIFTH AVE	POT	473+30.70	11.00' RT	852.96	853.30	-
43	FIFTH AVE	-	473+30.70	34.65' RT	-	-	[853.04]
44	FIFTH AVE	-	473+20.70	30.61' RT	-	-	[852.80]
45	FIFTH AVE	-	473+10.70	29.18' RT	-	-	852.58
46	FIFTH AVE	-	473+00.47	29.18' RT	-	-	852.53
47	FIFTH AVE	-	472+90.56	29.18' RT	-	-	852.48
48	FIFTH AVE	-	472+80.56	29.18' RT	-	-	852.32
49	FIFTH AVE	-	472+70.56	29.18 RT	-	-	852.04
50	FIFTH AVE	-	472+68.97	29.18' RT	-	-	851.96
51	GIST ST	-	22+87.64	22.88' RT	-	-	[851.05]

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM * 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



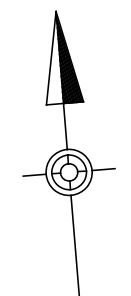
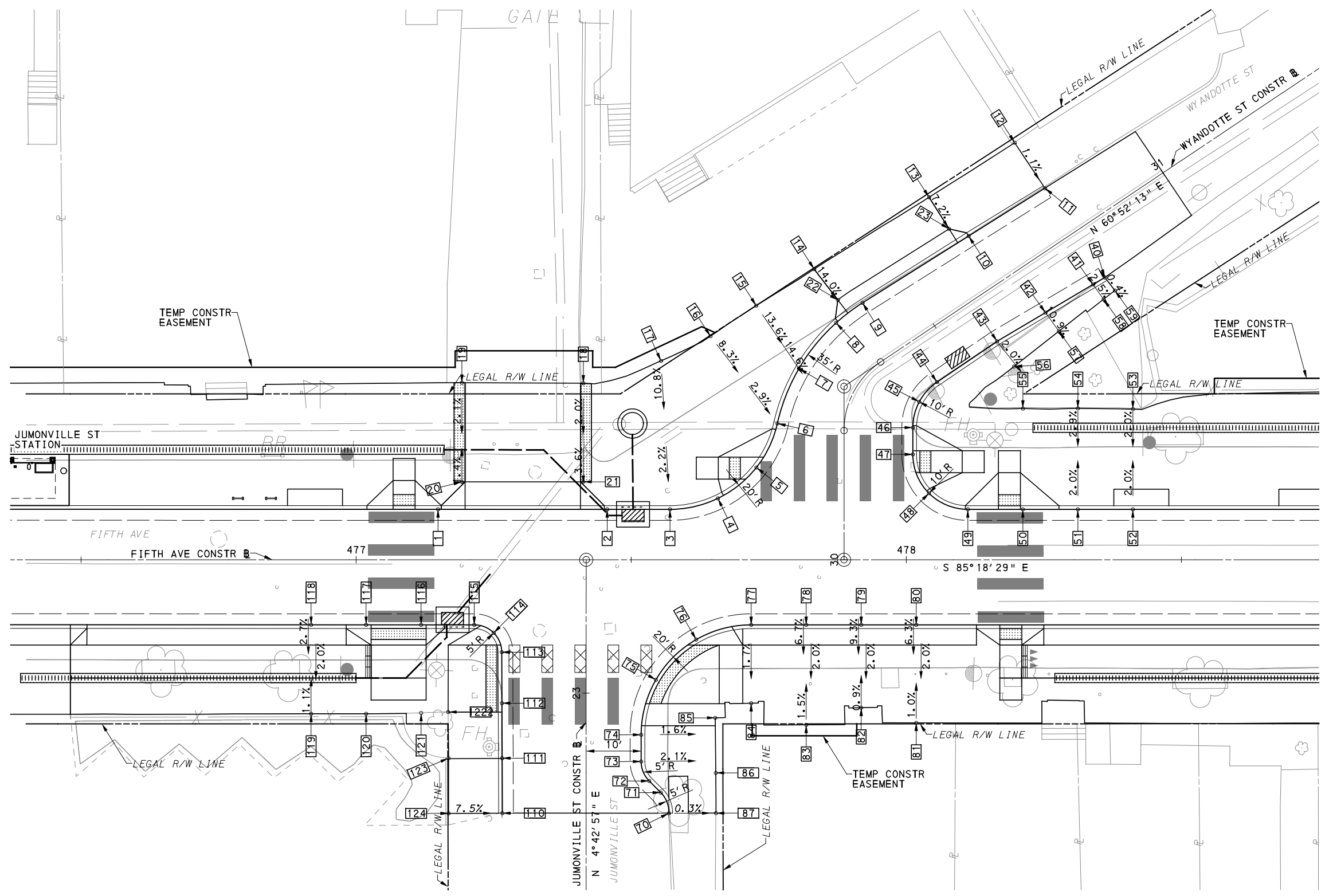
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & GIST ST	
Port Authority <small>connecting people to life™</small>	CONTRACT NO. BRT-001
DWG. NO. ID22	SHT. 198



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



(FOR ROADWAY PLAN SEE SHEET 365)

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & JUMONVILLE ST/WYANDOTTE ST	
Port Authority connecting people to life™	CONTRACT NO. BRT-001
DWG. NO. ID23	SHT. 199

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	POT	477+14.89	9.17' LT	847.77	848.11*	-
2	FIFTH AVE	POT	477+45.63	9.17' LT	846.94	847.39	-
3	FIFTH AVE	PC	477+57.04	9.17' LT	846.58	847.16	-
4	FIFTH AVE	POC	477+65.75	11.16' LT	846.39	*	-
5	FIFTH AVE	POC	477+72.75	16.77' LT	846.32	*	-
6	WYANDOTTE ST	PRC	30+24.21	12.15' LT	846.57	847.15	-
7	WYANDOTTE ST	POC	30+30.28	10.78' LT	846.89	847.48	-
8	WYANDOTTE ST	POC	30+36.83	10.57' LT	[847.22]	847.80	-
9	WYANDOTTE ST	PT	30+41.45	10.76' LT	[847.41]	847.57	-
10	WYANDOTTE ST	POT	30+64.25	10.13' LT	[848.88]	849.46	-
11	WYANDOTTE ST	POT	30+80.61	9.63' LT	[850.46]	[851.20]	-
12	WYANDOTTE ST	-	30+80.64	19.57' LT	-	-	[850.94]
13	WYANDOTTE ST	-	30+62.20	19.97' LT	-	-	[849.98]
14	WYANDOTTE ST	-	30+37.94	20.75' LT	-	-	[848.98]
15	WYANDOTTE ST	-	30+32.99	23.39' LT	-	-	[848.83]
16	WYANDOTTE ST	-	30+29.68	27.86' LT	-	-	[848.63]
17	FIFTH AVE	-	477+55.41	36.17' LT	-	-	[848.47]
18	FIFTH AVE	-	477+41.30	32.09' LT	-	-	[847.78]
19	FIFTH AVE	-	477+19.22	32.19' LT	-	-	[848.09]
20	FIFTH AVE	-	477+19.22	14.17' LT	-	-	[847.92]
21	FIFTH AVE	-	477+41.30	14.17' LT	-	-	[847.32]
22	WYANDOTTE ST	-	30+38.12	13.69' LT	-	-	848.04
23	WYANDOTTE ST	-	30+62.01	13.19' LT	-	-	849.52

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
40	WYANDOTTE ST	POT	30+80.61	9.94' RT	[850.01]	[850.16]	-
41	WYANDOTTE ST	POT	30+78.12	9.78' RT	[849.69]	849.86	-
42	WYANDOTTE ST	POT	30+68.10	9.23' RT	[848.51]	848.67	-
43	WYANDOTTE ST	PI	30+57.89	8.66' RT	[847.18]	847.35	-
44	WYANDOTTE ST	PC	30+44.68	8.73' RT	[846.04]	846.21	-
45	WYANDOTTE ST	POC	30+40.01	9.92' RT	[845.83]	846.01	-
46	WYANDOTTE ST	PT	30+26.64	12.44' RT	[845.10]	845.27*	-
47	WYANDOTTE ST	PC	30+19.16	12.50' RT	[844.94]	*	-
48	FIFTH AVE	POC	478+04.11	12.10' LT	[844.88]	*	-
49	FIFTH AVE	PT	478+11.18	9.17' LT	[844.62]	*	-
50	FIFTH AVE	POT	478+21.18	9.17' LT	844.24	*	-
51	FIFTH AVE	POT	478+31.18	9.17' LT	843.85	844.02	-
52	FIFTH AVE	POT	478+41.18	9.17' LT	843.47	843.64	-
53	FIFTH AVE	-	478+41.18	27.37' LT	-	-	[843.58]
54	FIFTH AVE	-	478+31.18	27.53' LT	-	-	[844.04]
55	FIFTH AVE	-	478+21.18	27.49' LT	-	-	[844.56]
56	WYANDOTTE ST	-	30+57.89	14.19' RT	-	-	[847.22]
57	WYANDOTTE ST	-	30+68.23	13.39' RT	-	-	[848.34]
58	WYANDOTTE ST	-	30+78.22	13.10' RT	-	-	[849.61]
59	WYANDOTTE ST	-	30+80.81	12.91' RT	-	-	[850.00]

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
110	JUMONVILLE ST	POT	22+78.17	15.21' LT	[845.75]	[845.92]	-
111	JUMONVILLE ST	POT	22+88.17	15.25' LT	846.45	*	-
112	JUMONVILLE ST	POT	22+98.17	15.30' LT	847.02	*	-
113	JUMONVILLE ST	PC	23+07.44	15.34' LT	847.32	*	-
114	JUMONVILLE ST	POC	477+25.00	13.29' RT	847.45	*	-
115	FIFTH AVE	PT	477+21.47	11.83' RT	847.57	847.91*	-
116	FIFTH AVE	POT	477+11.81	11.83' RT	847.79	*	-
117	FIFTH AVE	POT	477+01.81	11.83' RT	848.05	*	-
118	FIFTH AVE	POT	476+91.81	11.83' RT	848.30	848.64	-
119	FIFTH AVE	-	476+91.81	28.01' RT	-	-	[848.51]
120	FIFTH AVE	-	477+01.81	28.01' RT	-	-	[848.28]
121	FIFTH AVE	-	477+11.81	27.86' RT	-	-	[848.02]
122	FIFTH AVE	-	477+16.73	27.69' RT	-	-	[847.85]
123	JUMONVILLE ST	-	22+88.17	25.01' LT	-	-	847.26
124	JUMONVILLE ST	-	22+78.13	24.99' LT	-	-	[846.56]

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
70	JUMONVILLE ST	PC	22+78.17	15.05' RT	[844.96]	[845.12]	-
71	JUMONVILLE ST	PT	22+81.93	13.58' RT	[845.26]	845.43	-
72	JUMONVILLE ST	PC	22+84.04	11.47' RT	[845.49]	845.65	-
73	JUMONVILLE ST	PT	22+87.58	10.00' RT	[845.79]	846.96	-
74	JUMONVILLE ST	PC	22+92.44	10.00' RT	[846.13]	846.30*	-
75	JUMONVILLE ST	POC	23+02.44	12.68' RT	846.36	*	-
76	FIFTH AVE	POC	477+61.80	14.51' RT	846.27	*	-
77	FIFTH AVE	PT	477+71.80	11.83' RT	845.98	846.30	-
78	FIFTH AVE	POT	477+81.80	11.83' RT	845.60	845.93	-
79	FIFTH AVE	POT	477+91.80	11.83' RT	845.25	845.57	-
80	FIFTH AVE	POT	478+01.80	11.83' RT	844.89	845.22	-
81	FIFTH AVE	-	478+01.80	29.66' RT	-	-	[844.99]
82	FIFTH AVE	-	477+91.80	26.91' RT	-	-	[845.23]
83	FIFTH AVE	-	477+81.80	30.02' RT	-	-	[845.74]
84	FIFTH AVE	-	477+71.80	26.09' RT	-	-	[846.07]
85	FIFTH AVE	-	477+65.27	28.75' RT	-	-	846.30
86	JUMONVILLE ST	-	22+85.52	23.58' RT	-	-	845.56
87	JUMONVILLE ST	-	22+78.20	23.61' RT	-	-	[845.04]

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM # 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



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5th Floor
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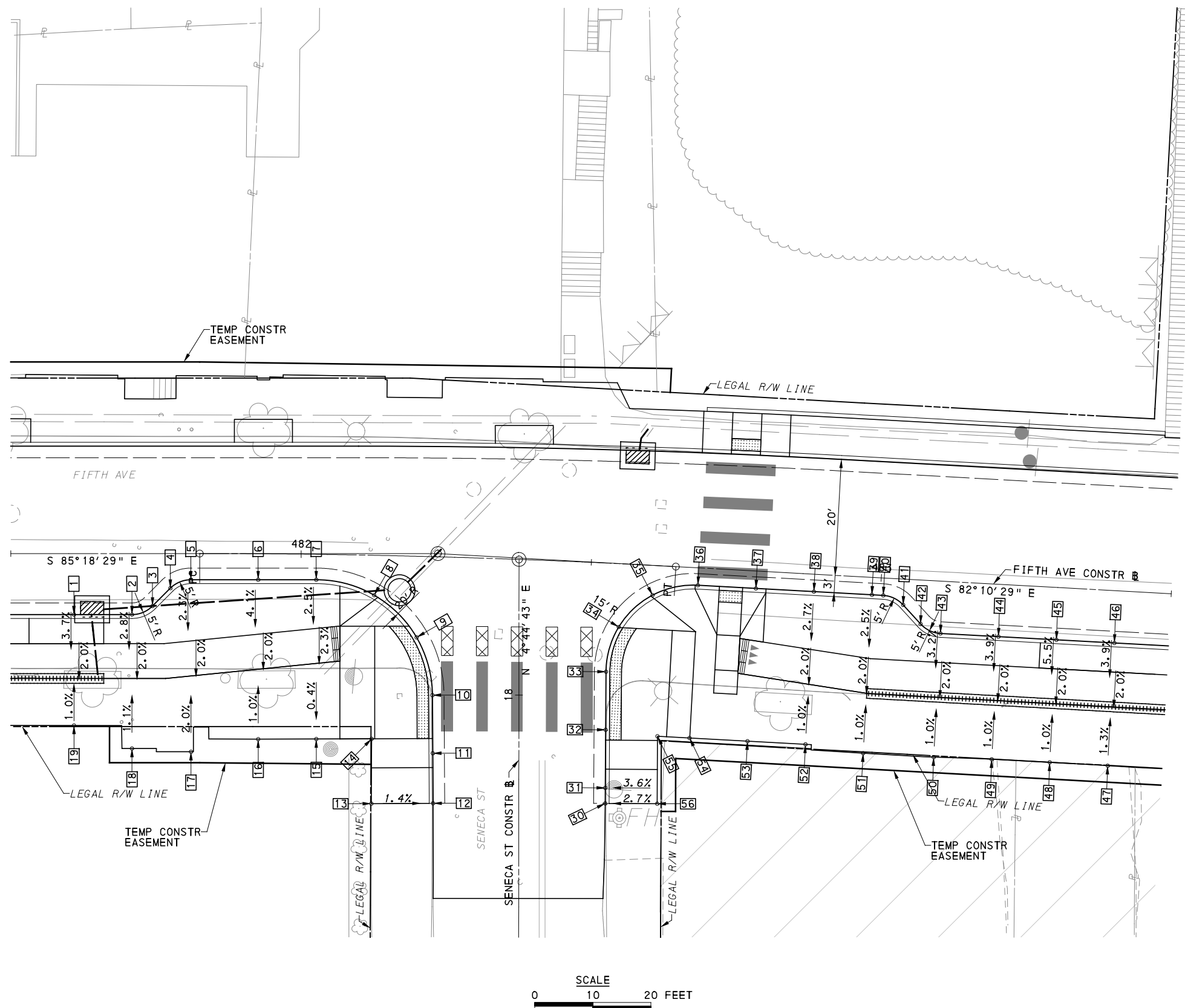
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REVISIONS		

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(NOT FOR CONSTRUCTION)

DESIGNED	MJP/AGO
DRAWN	JBM
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & JUMONVILLE ST/WYANDOTTE ST		
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. ID24	SHT. 200



LEGEND

- ELEVATION POINT IDENTIFICATION
- DETECTABLE WARNING SURFACE
- DIRECTIONAL INDICATOR
- CURB RAMP
- PAV'T SAW CUT LINE



FOR ROADWAY PLAN SEE SHEET 366

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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 INTERSECTION DETAILS
 FIFTH AVE & SENECA ST

Port Authority connecting people to life™

CONTRACT NO. BRT-001
DWG. NO. ID25
SHT. 201

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	POT	481+60.87	10.50' RT	831.66	831.99	-
2	FIFTH AVE	PC	481+70.87	10.50' RT	831.26	831.60	-
3	FIFTH AVE	PT	481+74.40	9.04' RT	831.17	831.50	-
4	FIFTH AVE	PC	481+77.47	5.96' RT	831.14	831.47	-
5	FIFTH AVE	PT	481+81.01	4.50' RT	831.05	831.38	-
6	FIFTH AVE	POT	481+92.63	4.47' RT	830.59	830.92	-
7	FIFTH AVE	PC	482+02.66	4.37' RT	830.20	830.53	-
8	FIFTH AVE	POC	482+12.70	6.86' RT	829.70	830.03*	-
9	SENECA ST	POC	18+09.93	17.63' LT	829.21	*	-
10	SENECA ST	PT	17+99.99	14.90' LT	828.71	*	-
11	SENECA ST	POT	17+89.99	14.83' LT	827.59	*	-
12	SENECA ST	POT	17+81.38	14.77' LT	[826.97]	[827.83]	-
13	SENECA ST	-	17+81.30	25.39' LT	-	-	[827.97]
14	FIFTH AVE	-	482+12.76	31.61' RT	-	-	829.71
15	FIFTH AVE	-	482+03.03	31.80' RT	-	-	[830.14]
16	FIFTH AVE	-	481+92.82	31.93' RT	-	-	[830.56]
17	FIFTH AVE	-	481+81.02	34.13' RT	-	-	831.29
18	FIFTH AVE	-	481+70.87	33.57' RT	-	-	[831.49]
19	FIFTH AVE	-	481+60.87	29.60' RT	-	-	[831.79]

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
30	SENECA ST	POT	17+81.38	14.88' RT	[826.25]	[826.83]	-
31	SENECA ST	POT	17+84.06	14.89' RT	826.45	827.04	-
32	SENECA ST	POT	17+94.06	14.94' RT	827.18	*	-
33	SENECA ST	PC	18+04.06	15.00' RT	827.75	*	-
34	SENECA ST	POC	18+11.75	17.17' RT	828.05	*	-
35	FIFTH AVE	POC	482+60.81	5.13' RT	827.94	828.27*	-
36	FIFTH AVE	PT	482+68.53	3.00' RT	827.61	*	-
37	FIFTH AVE	POT	482+78.53	3.00' RT	827.20	*	-
38	FIFTH AVE	POT	482+88.53	3.00' RT	826.80	827.13	-
39	FIFTH AVE	POT	482+98.53	3.00' RT	826.39	826.73	-
40	FIFTH AVE	PC	483+00.50	3.00' RT	826.31	826.65	-
41	FIFTH AVE	PT	483+04.01	4.44' RT	826.14	826.48	-
42	FIFTH AVE	PC	483+07.18	7.56' RT	825.93	826.27	-
43	FIFTH AVE	PT	483+10.69	9.00' RT	825.76	826.09	-
44	FIFTH AVE	POT	483+20.69	9.00' RT	825.38	825.71	-
45	FIFTH AVE	POT	483+30.69	9.00' RT	825.01	825.34	-
46	FIFTH AVE	POT	483+40.69	9.00' RT	824.63	824.97	-
47	FIFTH AVE	-	483+40.69	30.16' RT	-	-	[824.81]
48	FIFTH AVE	-	483+30.69	30.13' RT	-	-	[825.08]
49	FIFTH AVE	-	483+20.69	30.15' RT	-	-	[825.52]
50	FIFTH AVE	-	483+10.69	30.32' RT	-	-	[825.93]
51	FIFTH AVE	-	482+98.53	30.31' RT	-	-	[826.45]
52	FIFTH AVE	-	482+88.53	29.33' RT	-	-	826.86
53	FIFTH AVE	-	482+78.53	29.33' RT	-	-	827.37
54	FIFTH AVE	-	482+68.53	29.33' RT	-	-	827.88
55	FIFTH AVE	-	482+62.96	29.33' RT	-	-	827.90
56	SENECA ST	-	17+81.34	23.83' RT	-	-	[827.02]

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM * 01900.001-DESIGN OF CURB RAMPS
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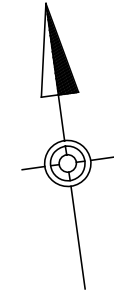
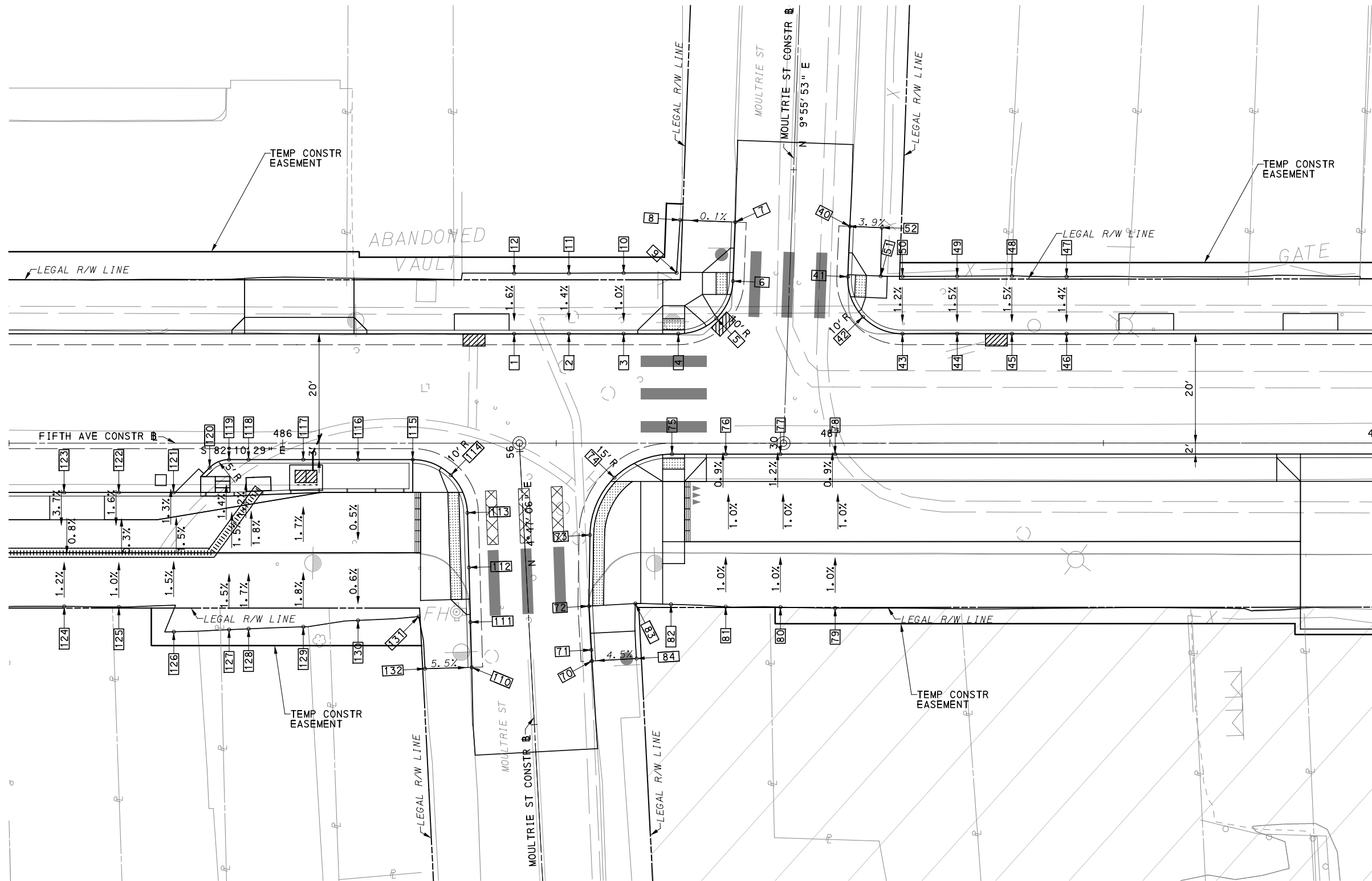
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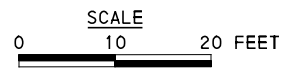
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & SENECA ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. ID26	SHT. 202



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



FOR ROADWAY PLAN SEE SHEET 367

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NO.	DATE	DESCRIPTION
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & MOULTRIE ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. ID27	SHT. 203

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	POT	486+42.32	20.00' LT	812.86	813.06	-
2	FIFTH AVE	POT	486+52.32	20.00' LT	812.58	812.88	-
3	FIFTH AVE	POT	486+62.32	20.00' LT	812.34	812.68*	-
4	FIFTH AVE	PC	486+72.32	20.00' LT	812.11	*	-
5	FIFTH AVE	POC	486+79.25	22.80' LT	812.15	812.49*	-
6	MOULTRIE ST	PT	30+29.26	10.32' LT	812.19	*	-
7	MOULTRIE ST	POT	30+40.05	10.31' LT	[812.69]	[812.83]	-
8	FIFTH AVE	-	30+40.05	20.40' LT	-	-	[812.82]
9	FIFTH AVE	-	486+72.00	31.14' LT	-	-	[812.65]
10	FIFTH AVE	-	486+62.32	31.10' LT	-	-	[812.78]
11	FIFTH AVE	-	486+52.32	31.05' LT	-	-	[813.03]
12	FIFTH AVE	-	486+42.32	31.05' LT	-	-	[813.23]

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
40	MOULTRIE ST	POT	30+40.05	10.66' RT	[812.02]	[812.33]	-
41	MOULTRIE ST	PC	30+30.83	10.61' RT	[811.60]	*	-
42	FIFTH AVE	POC	487+06.05	23.08' LT	811.48	811.94*	-
43	FIFTH AVE	PT	487+13.27	20.00' LT	811.44	811.94	-
44	FIFTH AVE	POT	487+23.27	20.00' LT	811.30	811.80	-
45	FIFTH AVE	POT	487+33.27	20.00' LT	811.16	811.66	-
46	FIFTH AVE	POT	487+43.27	20.00' LT	811.02	811.52	-
47	FIFTH AVE	-	487+43.27	30.44' LT	-	-	811.66
48	FIFTH AVE	-	487+33.27	30.55' LT	-	-	[811.81]
49	FIFTH AVE	-	487+23.27	30.52' LT	-	-	[811.95]
50	FIFTH AVE	-	487+13.27	30.48' LT	-	-	[812.09]
51	FIFTH AVE	-	487+09.30	30.53' LT	-	-	[812.05]
52	MOULTRIE ST	-	30+40.02	16.50' RT	-	-	[812.43]

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
110	MOULTRIE ST	POT	55+61.07	10.87' LT	[811.35]	[811.68]	-
111	MOULTRIE ST	POT	55+69.34	10.66' LT	812.08	812.65*	-
112	MOULTRIE ST	POT	55+79.34	10.41' LT	812.63	*	-
113	MOULTRIE ST	PC	55+89.33	10.16' LT	813.15	*	-
114	FIFTH AVE	POC	486+30.75	5.83' RT	813.45	*	-
115	FIFTH AVE	PT	486+23.77	3.00' RT	813.80	814.38	-
116	FIFTH AVE	POT	486+13.77	3.00' RT	814.17	814.75	-
117	FIFTH AVE	POT	486+03.77	3.00' RT	814.54	815.12	-
118	FIFTH AVE	POT	485+93.77	3.00' RT	814.91	815.49	-
119	FIFTH AVE	PC	485+90.20	3.00' RT	815.04	815.63	-
120	FIFTH AVE	PT	485+86.66	4.46' RT	815.13	815.71	-
121	FIFTH AVE	POT	485+80.06	9.00' RT	815.26	815.58	-
122	FIFTH AVE	POT	485+70.06	9.00' RT	815.63	815.97	-
123	FIFTH AVE	POT	485+60.06	9.00' RT	816.03	816.37	-
124	FIFTH AVE	-	485+60.06	29.84' RT	-	-	[816.28]
125	FIFTH AVE	-	485+70.06	29.94' RT	-	-	816.01
126	FIFTH AVE	-	485+80.10	34.48' RT	-	-	815.90
127	FIFTH AVE	-	485+90.20	34.09' RT	-	-	[815.83]
128	FIFTH AVE	-	485+93.77	33.93' RT	-	-	[815.77]
129	FIFTH AVE	-	486+03.77	33.57' RT	-	-	[815.40]
130	FIFTH AVE	-	486+13.77	32.40' RT	-	-	[814.34]
131	FIFTH AVE	-	486+24.87	31.69' RT	-	-	[813.57]
132	FIFTH AVE	-	55+61.29	19.40' LT	-	-	[812.32]

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
70	MOULTRIE ST	POT	55+61.07	11.12' RT	[810.90]	[810.99]	-
71	MOULTRIE ST	POT	55+63.10	11.12' RT	811.08	811.23	-
72	MOULTRIE ST	PI	55+71.12	11.11' RT	811.59	*	-
73	MOULTRIE ST	PC	55+84.09	11.99' RT	812.43	*	-
74	FIFTH AVE	POC	486+60.63	6.32' RT	812.77	*	-
75	FIFTH AVE	PT	486+71.16	2.00' RT	812.58	*	-
76	FIFTH AVE	POT	486+80.97	2.00' RT	812.39	812.72	-
77	FIFTH AVE	POT	486+90.97	2.00' RT	812.22	812.55	-
78	FIFTH AVE	POT	487+00.97	2.00' RT	812.05	812.39	-
79	FIFTH AVE	-	487+00.97	30.16' RT	-	-	812.66
80	FIFTH AVE	-	486+90.97	29.98' RT	-	-	812.83
81	FIFTH AVE	-	486+80.97	29.90' RT	-	-	812.99
82	FIFTH AVE	-	486+70.97	29.47' RT	-	-	812.54
83	FIFTH AVE	-	486+64.45	29.32' RT	-	-	[812.18]
84	FIFTH AVE	-	55+61.08	19.28' RT	-	-	[811.29]

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM # 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



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REVISIONS		

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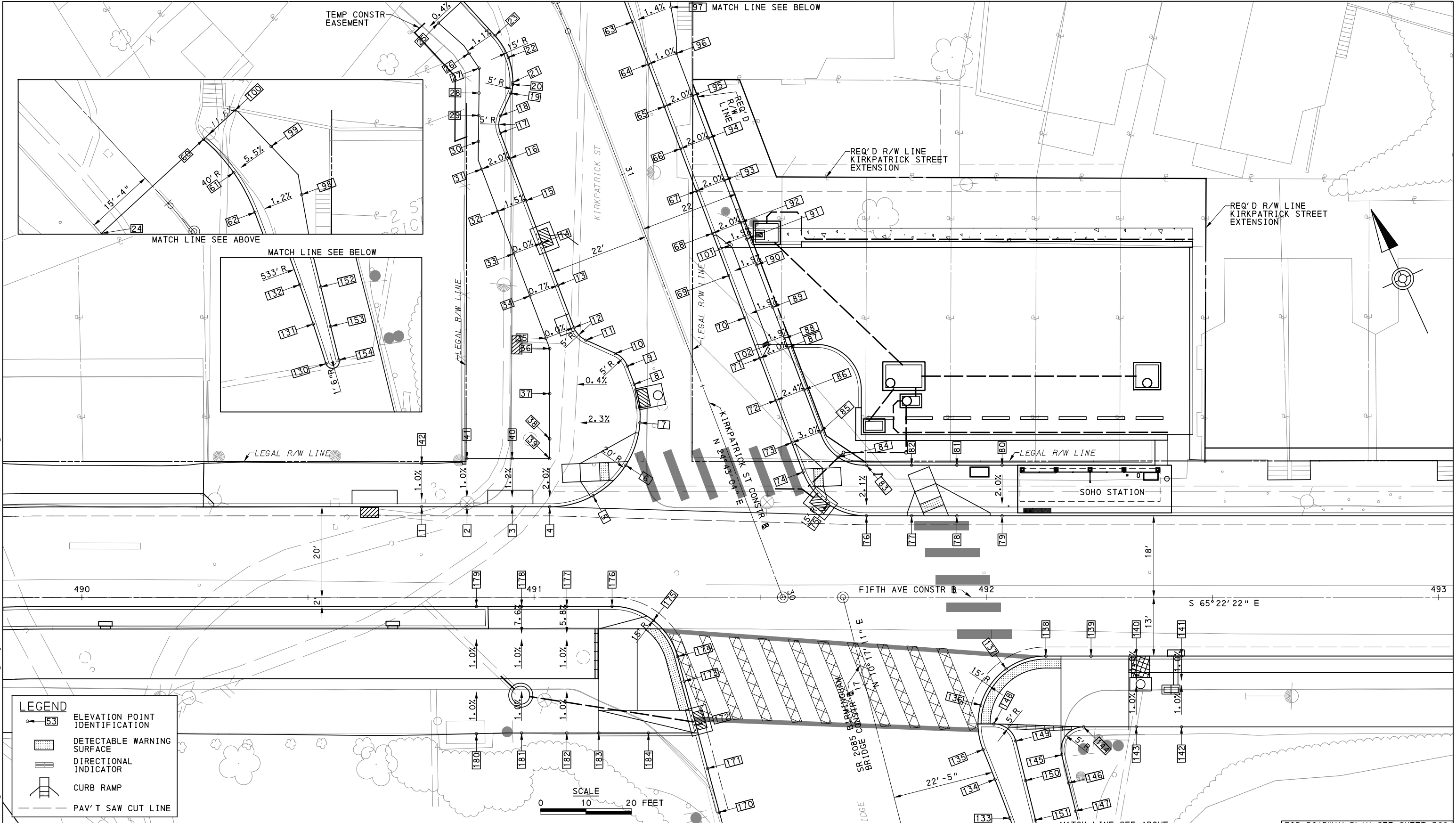
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DRAWN	JBM
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DATE	05/01/24
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & MOULTRIE ST		
	CONTRACT NO. BRT-001	
DWG. NO.	ID28	SHT. 204

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LEGEND

- ELEVATION POINT IDENTIFICATION
- DETECTABLE WARNING SURFACE
- DIRECTIONAL INDICATOR
- CURB RAMP
- PAV'T SAW CUT LINE



AECOM
Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219

NO.	DATE	DESCRIPTION
REVISIONS		

THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE FEDERAL TRANSIT ADMINISTRATION, U.S. DEPARTMENT OF TRANSPORTATION, UNDER THE URBAN MASS TRANSPORTATION ACT OF 1984, AS AMENDED, FOR THE PORT AUTHORITY OF ALLEGHENY COUNTY, PENNSYLVANIA.

(NOT FOR CONSTRUCTION)

DESIGNED	MJP/AGO
DRAWN	JBM
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS
FIFTH AVE & KIRKPATRICK ST/BIRMINGHAM BR

Port Authority connecting people to life™

CONTRACT NO. BRT-001
DWG. NO. ID29 SHT. 205

[FOR ROADWAY PLAN SEE SHEET 368]

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	POT	490+75.16	20.00' LT	815.89	816.39	-
2	FIFTH AVE	POT	490+85.16	20.00' LT	816.40	816.90	-
3	FIFTH AVE	POT	490+95.16	20.00' LT	816.93	817.43	-
4	FIFTH AVE	PC	491+03.46	20.00' LT	817.37	817.87	-
5	FIFTH AVE	POC	491+13.05	22.45' LT	817.82	818.33*	-
6	KIRKPATRICK ST	POC	30+39.61	22.10' LT	818.29	*	-
7	KIRKPATRICK ST	POC	30+47.28	15.85' LT	818.85	819.43	-
8	KIRKPATRICK ST	PT	30+55.68	14.00' LT	819.44	820.03	-
9	KIRKPATRICK ST	PC	30+60.00	14.00' LT	819.80	820.38	-
10	KIRKPATRICK ST	PT	30+63.54	15.46' LT	820.05	820.64	-
11	KIRKPATRICK ST	PC	30+68.61	20.54' LT	820.32	820.91	-
12	KIRKPATRICK ST	PT	30+72.14	22.00' LT	820.64	821.20	-
13	KIRKPATRICK ST	POT	30+82.14	22.00' LT	821.89	822.45	-
14	KIRKPATRICK ST	POT	30+92.14	22.00' LT	823.18	823.77	-
15	KIRKPATRICK ST	POT	31+02.14	22.00' LT	824.47	825.05	-
16	KIRKPATRICK ST	POT	31+12.14	22.00' LT	825.71	826.30	-
17	KIRKPATRICK ST	PC	31+18.14	22.00' LT	826.44	827.02	-
18	KIRKPATRICK ST	PT	31+21.68	20.54' LT	826.96	827.51	-
19	KIRKPATRICK ST	PC	31+25.51	16.70' LT	827.55	828.15	-
20	KIRKPATRICK ST	PT	31+27.20	15.59' LT	827.79	828.37	-
21	KIRKPATRICK ST	PC	31+27.61	15.43' LT	827.84	828.43	-
22	KIRKPATRICK ST	POC	31+33.14	14.37' LT	828.48	829.07	-
23	KIRKPATRICK ST	PT	31+41.60	14.97' LT	829.34	829.91	-
24	KIRKPATRICK ST	POT	31+55.00	15.38' LT	[830.68]	[831.13]	-
25	KIRKPATRICK ST	-	31+55.00	22.72' LT	-	-	[830.94]
26	KIRKPATRICK ST	-	31+41.01	21.91' LT	-	-	[829.85]
27	KIRKPATRICK ST	-	31+33.22	21.29' LT	-	-	[829.22]
28	KIRKPATRICK ST	-	31+28.08	23.25' LT	-	-	[828.38]
29	KIRKPATRICK ST	-	31+23.46	25.07' LT	-	-	[827.75]
30	KIRKPATRICK ST	-	31+18.14	27.16' LT	-	-	[826.96]
31	KIRKPATRICK ST	-	31+12.14	28.67' LT	-	-	826.18
32	KIRKPATRICK ST	-	31+02.14	28.67' LT	-	-	824.96
33	KIRKPATRICK ST	-	30+92.14	28.67' LT	-	-	823.77
34	KIRKPATRICK ST	-	30+82.14	28.67' LT	-	-	822.49
35	KIRKPATRICK ST	-	30+72.14	28.67' LT	-	-	821.20
36	KIRKPATRICK ST	-	30+69.74	28.67' LT	-	-	820.89
37	KIRKPATRICK ST	-	30+60.39	32.21' LT	-	-	819.72
38	KIRKPATRICK ST	-	30+51.04	35.76' LT	-	-	818.57
39	FIFTH AVE	-	491+03.46	30.67' LT	-	-	818.07
40	FIFTH AVE	-	490+95.16	30.67' LT	-	-	817.55
41	FIFTH AVE	-	490+85.16	30.67' LT	-	-	817.00
42	FIFTH AVE	-	490+75.16	29.63' LT	-	-	816.48

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
60	KIRKPATRICK ST	PC	31+55.00	15.29' RT	[832.36]	[832.89]	-
61	KIRKPATRICK ST	POC	31+46.19	15.37' RT	831.38	831.96	-
62	KIRKPATRICK ST	PT	31+38.96	14.44' RT	830.54	831.12	-
63	KIRKPATRICK ST	POT	31+30.78	14.00' RT	829.61	830.21	-
64	KIRKPATRICK ST	POT	31+20.78	14.00' RT	828.46	829.05	-
65	KIRKPATRICK ST	POT	31+10.78	14.00' RT	827.25	827.84	-
66	KIRKPATRICK ST	POT	31+00.78	14.00' RT	826.00	826.57	-
67	KIRKPATRICK ST	POT	30+90.78	14.00' RT	824.65	825.24	-
68	KIRKPATRICK ST	POT	30+80.77	14.00' RT	823.28	823.87	-
69	KIRKPATRICK ST	POT	30+70.77	14.00' RT	822.00	822.17	-
70	KIRKPATRICK ST	POT	30+60.77	14.00' RT	820.93	821.10	-
71	KIRKPATRICK ST	POT	30+51.24	14.00' RT	820.11	820.69	-
72	KIRKPATRICK ST	POT	30+41.24	14.00' RT	819.46	820.04	-
73	KIRKPATRICK ST	POT	30+30.03	14.00' RT	819.13	819.71	-
74	KIRKPATRICK ST	PC	30+24.29	14.00' RT	819.14	*	-
75	FIFTH AVE	POC	491+64.98	20.65' LT	819.65	820.23	-
76	FIFTH AVE	PT	491+73.50	18.00' LT	820.09	820.67	-
77	FIFTH AVE	POT	491+83.50	18.00' LT	820.45	*	-
78	FIFTH AVE	POT	491+93.50	18.00' LT	820.84	*	-
79	FIFTH AVE	POT	492+03.50	18.00' LT	821.25	821.83	-
80	FIFTH AVE	-	492+03.50	29.21' LT	-	-	822.04
81	FIFTH AVE	-	941+93.50	29.21' LT	-	-	821.63
82	FIFTH AVE	-	491+83.50	29.21' LT	-	-	821.05
83	FIFTH AVE	-	491+73.50	29.21' LT	-	-	820.89
84	FIFTH AVE	-	491+67.24	30.98' LT	-	-	820.11
85	KIRKPATRICK ST	-	30+31.24	20.67' RT	-	-	819.89
86	KIRKPATRICK ST	-	30+41.24	20.67' RT	-	-	820.15
87	KIRKPATRICK ST	-	30+51.24	20.67' RT	-	-	820.81
88	KIRKPATRICK ST	-	30+53.36	20.67' RT	-	-	820.98
89	KIRKPATRICK ST	-	30+60.77	20.67' RT	-	-	821.64
90	KIRKPATRICK ST	-	30+70.77	20.67' RT	-	-	822.71
91	KIRKPATRICK ST	-	30+76.89	20.67' RT	-	-	823.47
92	KIRKPATRICK ST	-	30+80.77	20.67' RT	-	-	823.99
93	KIRKPATRICK ST	-	30+90.78	20.67' RT	-	-	825.36
94	KIRKPATRICK ST	-	31+00.78	20.67' RT	-	-	826.71
95	KIRKPATRICK ST	-	31+10.77	20.67' RT	-	-	827.96
96	KIRKPATRICK ST	-	31+20.77	20.69' RT	-	-	[829.11]
97	KIRKPATRICK ST	-	31+30.77	23.19' RT	-	-	[830.33]
98	KIRKPATRICK ST	-	31+38.10	25.46' RT	-	-	[831.51]
99	KIRKPATRICK ST	-	31+45.82	25.46' RT	-	-	[832.48]
100	KIRKPATRICK ST	-	31+55.00	24.68' RT	-	-	[833.90]
101	KIRKPATRICK ST	-	30+76.89	17.00' RT	-	-	823.40
102	KIRKPATRICK ST	-	30+53.36	17.00' RT	-	-	820.91

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM # 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



Gulf Tower
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 5th Floor
 Pittsburgh, PA 15219

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(NOT FOR CONSTRUCTION)

DESIGNED	MJP/AGO
DRAWN	JBM
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & KIRKPATRICK ST/BIRMINGHAM BR	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. ID30	SHT. 206

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
170	SR 2085 BIRMINGHAM BRIDGE	POT	16+80.56	38.24' LT	[819.55]	[820.06]	-
171	SR 2085 BIRMINGHAM BRIDGE	POT	16+90.56	38.36' LT	819.03	819.61	-
172	SR 2085 BIRMINGHAM BRIDGE	POT	17+00.55	38.48' LT	818.77	*	-
173	SR 2085 BIRMINGHAM BRIDGE	POT	17+10.55	38.60' LT	818.67	*	-
174	SR 2085 BIRMINGHAM BRIDGE	PC	17+16.20	38.67' LT	818.61	*	-
175	FIFTH AVE	POC	491+26.37	5.10' RT	818.49	*	-
176	FIFTH AVE	PT	491+17.24	2.00' RT	818.19	818.51	-
177	FIFTH AVE	POT	491+07.24	2.00' RT	817.79	818.13	-
178	FIFTH AVE	POT	490+97.24	2.00' RT	817.38	817.71	-
179	FIFTH AVE	POT	490+87.24	2.00' RT	816.90	817.49	-
180	FIFTH AVE	-	490+87.24	30.17' RT	-	-	817.11
181	FIFTH AVE	-	490+97.24	30.00' RT	-	-	817.61
182	FIFTH AVE	-	491+07.24	30.00' RT	-	-	818.11
183	FIFTH AVE	-	491+14.32	30.00' RT	-	-	818.47
184	FIFTH AVE	-	491+25.29	30.00' RT	-	-	818.74

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
130	SR 2085 BIRMINGHAM BRIDGE	PCC	16+35.87	25.89' RT	823.62	824.20	-
131	SR 2085 BIRMINGHAM BRIDGE	POC	16+45.05	25.31' RT	822.99	823.57	-
132	SR 2085 BIRMINGHAM BRIDGE	POC	16+54.22	24.56' RT	822.36	822.93	-
133	SR 2085 BIRMINGHAM BRIDGE	POC	16+63.37	23.66' RT	821.85	822.43	-
134	SR 2085 BIRMINGHAM BRIDGE	POC	16+72.51	22.60' RT	821.40	821.99	-
135	SR 2085 BIRMINGHAM BRIDGE	PRC	16+79.54	21.68' RT	821.29	821.87	-
136	SR 2085 BIRMINGHAM BRIDGE	POC	16+89.17	23.59' RT	821.48	*	-
137	FIFTH AVE	POC	492+04.39	15.84' RT	821.68	*	-
138	FIFTH AVE	PT	492+13.17	13.00' RT	821.86	*	-
139	FIFTH AVE	POT	492+23.17	13.00' RT	822.26	*	-
140	FIFTH AVE	POT	492+33.17	13.00' RT	822.65	823.24	-
141	FIFTH AVE	POT	492+43.17	13.00' RT	823.05	823.63	-
142	FIFTH AVE	-	492+43.17	28.67' RT	-	-	823.78
143	FIFTH AVE	-	492+33.17	28.67' RT	-	-	823.39
144	FIFTH AVE	PC	492+21.52	28.67' RT	-	-	822.54
145	SR 2085 BIRMINGHAM BRIDGE	PT	16+74.14	38.23' RT	822.20	822.78	-
146	SR 2085 BIRMINGHAM BRIDGE	POT	16+67.68	38.20' RT	[822.21]	822.79	-
147	SR 2085 BIRMINGHAM BRIDGE	POT	16+61.26	38.17' RT	[822.45]	[822.80]	-
148	SR 2085 BIRMINGHAM BRIDGE	PC	16+84.45	25.40' RT	821.90	822.40	-
149	SR 2085 BIRMINGHAM BRIDGE	PT	16+79.57	29.16' RT	822.02	822.61	-
150	SR 2085 BIRMINGHAM BRIDGE	POT	16+70.57	29.11' RT	822.02	822.60	-
151	SR 2085 BIRMINGHAM BRIDGE	POT	16+61.57	29.05' RT	822.03	822.62	-
152	SR 2085 BIRMINGHAM BRIDGE	POT	16+52.57	28.99' RT	822.52	823.10	-
153	SR 2085 BIRMINGHAM BRIDGE	POT	16+43.57	28.94' RT	823.12	823.70	-
154	SR 2085 BIRMINGHAM BRIDGE	PC	16+35.94	28.89' RT	823.58	824.11	-

NOTE:
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 [] MATCH EXISTING ELEVATION



Gulf Tower
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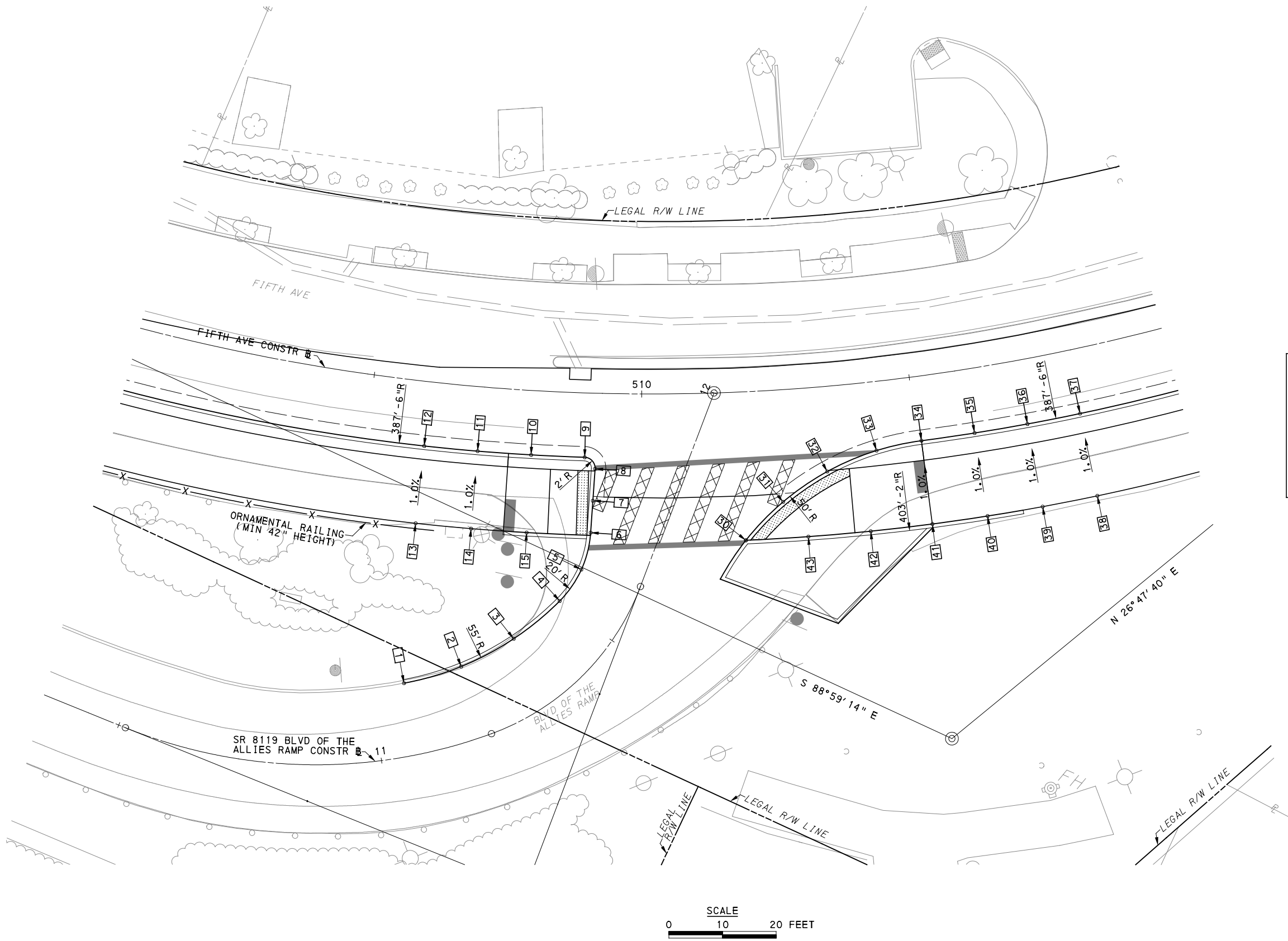
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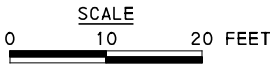
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DRAWN	JBM
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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & KIRKPATRICK ST/BIRMINGHAM BR	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. ID31	SHT. 207



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 371]



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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & BLVD OF THE ALLIES RAMP	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ID32

SOUTHWEST QUADRANT

POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	SR 8119 BLVD OF THE ALLIES RAMP	PC	11+07.01	13.56' LT	[891.44]	[891.94]	-
2	SR 8119 BLVD OF THE ALLIES RAMP	POC	11+19.97	13.70' LT	[892.02]	892.52	-
3	SR 8119 BLVD OF THE ALLIES RAMP	POC	11+35.44	13.66' LT	[892.92]	893.42	-
4	SR 8119 BLVD OF THE ALLIES RAMP	PRC	11+50.69	12.21' LT	893.09	893.59	-
5	SR 8119 BLVD OF THE ALLIES RAMP	POC	11+60.13	11.40' LT	893.31	893.81	-
6	SR 8119 BLVD OF THE ALLIES RAMP	PT	11+67.49	12.24' LT	893.52	*	-
7	SR 8119 BLVD OF THE ALLIES RAMP	POT	11+73.20	13.98' LT	893.79	*	-
8	SR 8119 BLVD OF THE ALLIES RAMP	PC	11+78.92	15.71' LT	893.83	*	-
9	FIFTH AVE	PT	509+89.75	12.00' RT	893.72	*	-
10	FIFTH AVE	POC	509+80.05	12.00' RT	893.31	893.89	-
11	FIFTH AVE	POC	509+70.36	12.00' RT	892.92	893.50	-
12	FIFTH AVE	POC	509+60.67	12.00' RT	892.47	893.06	-
13	FIFTH AVE	-	509+60.67	26.50' RT	-	-	893.19
14	FIFTH AVE	-	509+70.36	26.50' RT	-	-	893.64
15	FIFTH AVE	-	509+80.06	26.50' RT	-	-	894.03

SOUTHEAST QUADRANT

POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
30	SR 8119 BLVD OF THE ALLIES RAMP	PC	11+76.44	15.31' RT	895.12	895.69	-
31	SR 8119 BLVD OF THE ALLIES RAMP	POC	11+85.61	19.25' RT	895.50	*	-
32	FIFTH AVE	POC	510+33.29	15.83' RT	895.85	*	-
33	FIFTH AVE	POC	510+42.46	12.83' RT	896.25	*	-
34	FIFTH AVE	PRC	540+50.72	12.00' RT	896.61	897.19	-
35	FIFTH AVE	POC	510+60.41	12.00' RT	897.04	897.63	-
36	FIFTH AVE	POC	510+70.10	12.00' RT	897.49	898.07	-
37	FIFTH AVE	POC	510+79.79	12.00' RT	897.96	898.54	-
38	FIFTH AVE	-	510+79.79	27.67' RT	-	-	898.69
39	FIFTH AVE	-	510+70.10	27.67' RT	-	-	898.23
40	FIFTH AVE	-	510+60.41	27.67' RT	-	-	897.78
41	FIFTH AVE	-	510+50.72	15.67' RT	-	-	897.34
42	FIFTH AVE	-	510+39.95	13.62' RT	-	-	896.29
43	FIFTH AVE	-	510+29.08	27.67' RT	-	-	895.78



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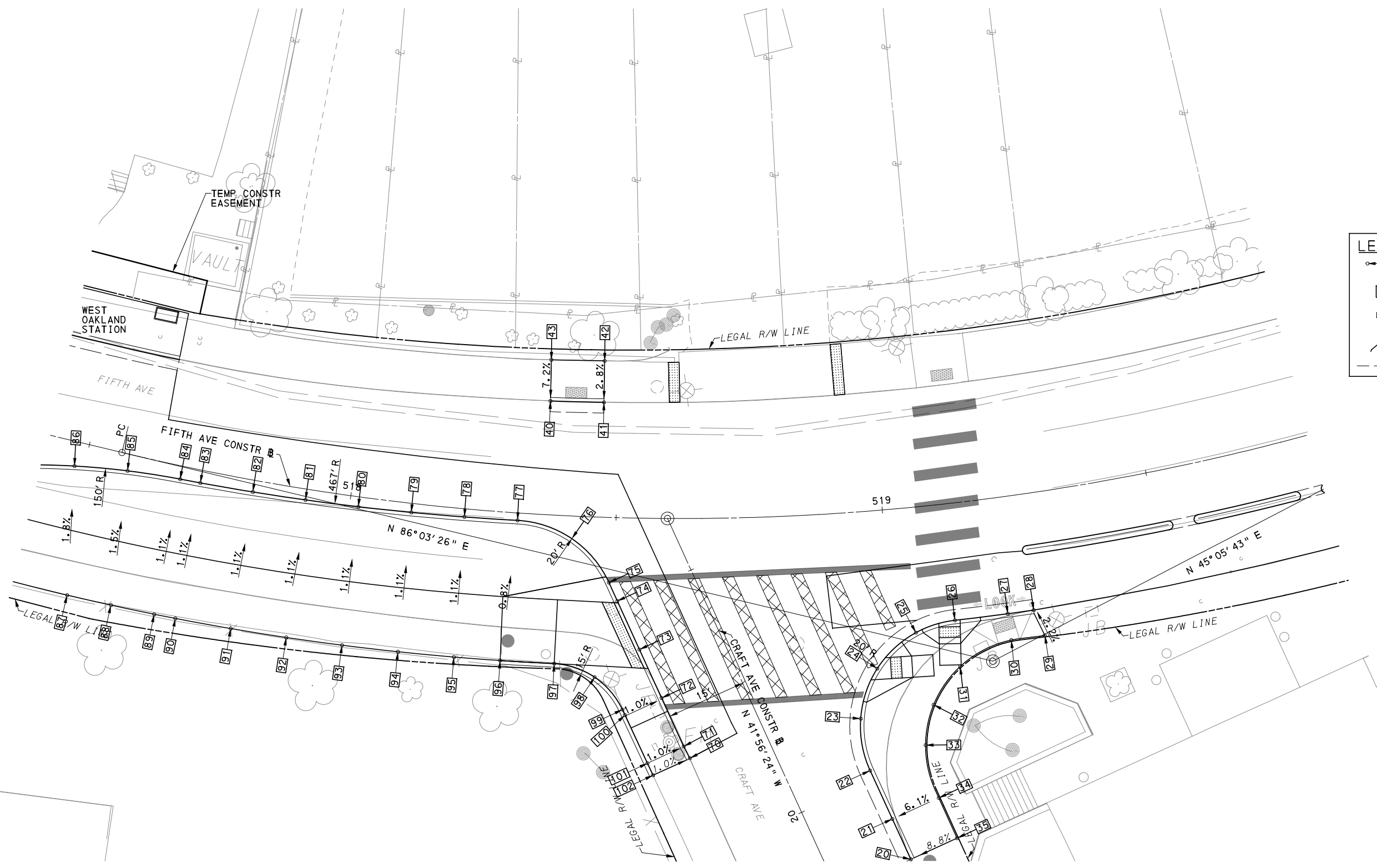
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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
INTERSECTION DATA
FIFTH AVE & BLVD OF THE ALLIES RAMP

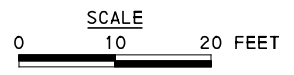


CONTRACT NO. BRT-001
DWG. NO. ID33



LEGEND

- ELEVATION POINT IDENTIFICATION
- DETECTABLE WARNING SURFACE
- DIRECTIONAL INDICATOR
- CURB RAMP
- PAV'T SAW CUT LINE



FOR ROADWAY PLAN SEE SHEET 373

AECOM
 Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 INTERSECTION DETAILS
 FIFTH AVE & CRAFT AVE

Port Authority
 connecting people to life™

CONTRACT NO. BRT-001	
DWG. NO. ID34	SHT. 210

NORTH							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
40	FIFTH AVE	POT	518+36.44	21.37' LT	[926.28]	[926.62]	-
41	FIFTH AVE	POT	518+46.99	21.57' LT	[926.75]	[927.27]	-
42	FIFTH AVE	-	518+46.85	29.34' LT	-	-	[927.47]
43	FIFTH AVE	-	518+36.15	29.08' LT	-	-	[927.13]

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
70	CRAFT AVE	POT	20+17.94	0.00' RT	[925.17]	[925.74]	-
71	CRAFT AVE	POT	20+20.44	0.00' RT	925.64	925.93	-
72	CRAFT AVE	POT	20+30.44	0.00' RT	926.23	926.70	-
73	CRAFT AVE	POT	20+40.44	0.00' RT	926.61	926.97	-
74	CRAFT AVE	POT	20+50.44	0.00' RT	926.82	*	-
75	CRAFT AVE	PC	20+54.26	0.00' RT	926.90	*	-
76	FIFTH AVE	POC	000+15.90	0.00' RT	926.77	*	-
77	FIFTH AVE	PRC	518+31.57	1.39' RT	926.41	927.00	-
78	FIFTH AVE	POC	518+21.61	1.54' RT	926.03	926.62	-
79	FIFTH AVE	POC	518+11.65	1.70' RT	925.62	926.20	-
80	FIFTH AVE	POC	518+01.68	1.86' RT	925.20	925.79	-
81	FIFTH AVE	POC	517+91.73	2.03' RT	924.80	925.39	-
82	FIFTH AVE	POC	517+81.78	2.21' RT	924.36	924.95	-
83	FIFTH AVE	POC	517+71.84	2.40' RT	923.94	924.52	-
84	FIFTH AVE	PRC	517+68.00	2.47' RT	923.76	924.36	-
85	FIFTH AVE	POC	517+58.08	3.11' RT	923.34	923.93	-
86	FIFTH AVE	POC	517+48.20	4.55' RT	922.90	923.49	-
87	FIFTH AVE	-	517+52.51	28.44' RT	-	-	923.92
88	FIFTH AVE	-	517+60.66	28.37' RT	-	-	924.29
89	FIFTH AVE	-	517+68.47	28.30' RT	-	-	924.63
90	FIFTH AVE	-	517+72.29	28.26' RT	-	-	924.79
91	FIFTH AVE	-	517+82.23	28.17' RT	-	-	925.22
92	FIFTH AVE	-	517+92.16	28.09' RT	-	-	925.66
93	FIFTH AVE	-	518+02.10	28.02' RT	-	-	926.06
94	FIFTH AVE	-	518+12.05	27.96' RT	-	-	926.47
95	FIFTH AVE	-	518+21.99	28.20' RT	-	-	926.89
96	FIFTH AVE	-	518+30.18	27.86' RT	-	-	927.21
97	FIFTH AVE	-	518+39.74	27.83' RT	-	-	927.44
98	FIFTH AVE	-	518+46.98	30.05' RT	-	-	927.25
99	CRAFT AVE	-	20+31.51	22.59' RT	-	-	926.84
100	CRAFT AVE	-	20+30.36	22.58' RT	-	-	926.77
101	CRAFT AVE	-	20+19.97	22.49' RT	-	-	926.0000
102	CRAFT AVE	-	20+17.92	22.47' RT	-	-	[925.84]

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
20	CRAFT AVE	POT	19+83.48	15.00' RT	[924.01]	[924.26]	-
21	CRAFT AVE	POT	19+91.81	14.99' RT	924.77	925.10	-
22	CRAFT AVE	PC	20+01.81	14.97' RT	925.77	926.10	-
23	CRAFT AVE	POC	20+11.40	17.40' RT	926.76	927.09	-
24	FIFTH AVE	POC	518+96.75	29.59' RT	927.69	*	-
25	FIFTH AVE	POC	519+04.13	23.48' RT	928.34	*	-
26	FIFTH AVE	PRC	519+11.29	21.91' RT	928.78	*	-
27	FIFTH AVE	POC	519+20.83	21.88' RT	929.22	929.55	-
28	FIFTH AVE	POC	519+25.51	21.86' RT	[929.41]	[929.72]	-
29	FIFTH AVE	-	519+26.85	26.90' RT	-	-	[929.82]
30	FIFTH AVE	-	519+20.84	26.87' RT	-	-	[929.36]
31	FIFTH AVE	-	519+20.84	30.64' RT	-	-	[928.61]
32	FIFTH AVE	-	519+06.03	37.27' RT	-	-	[927.61]
33	CRAFT AVE	-	20+01.83	26.42' RT	-	-	[926.72]
34	CRAFT AVE	-	19+91.79	24.55' RT	-	-	[925.59]
35	CRAFT AVE	-	19+83.49	24.53' RT	-	-	[925.04]

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM * 01900.001-DESIGN OF CURB RAMPS
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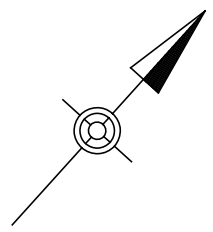
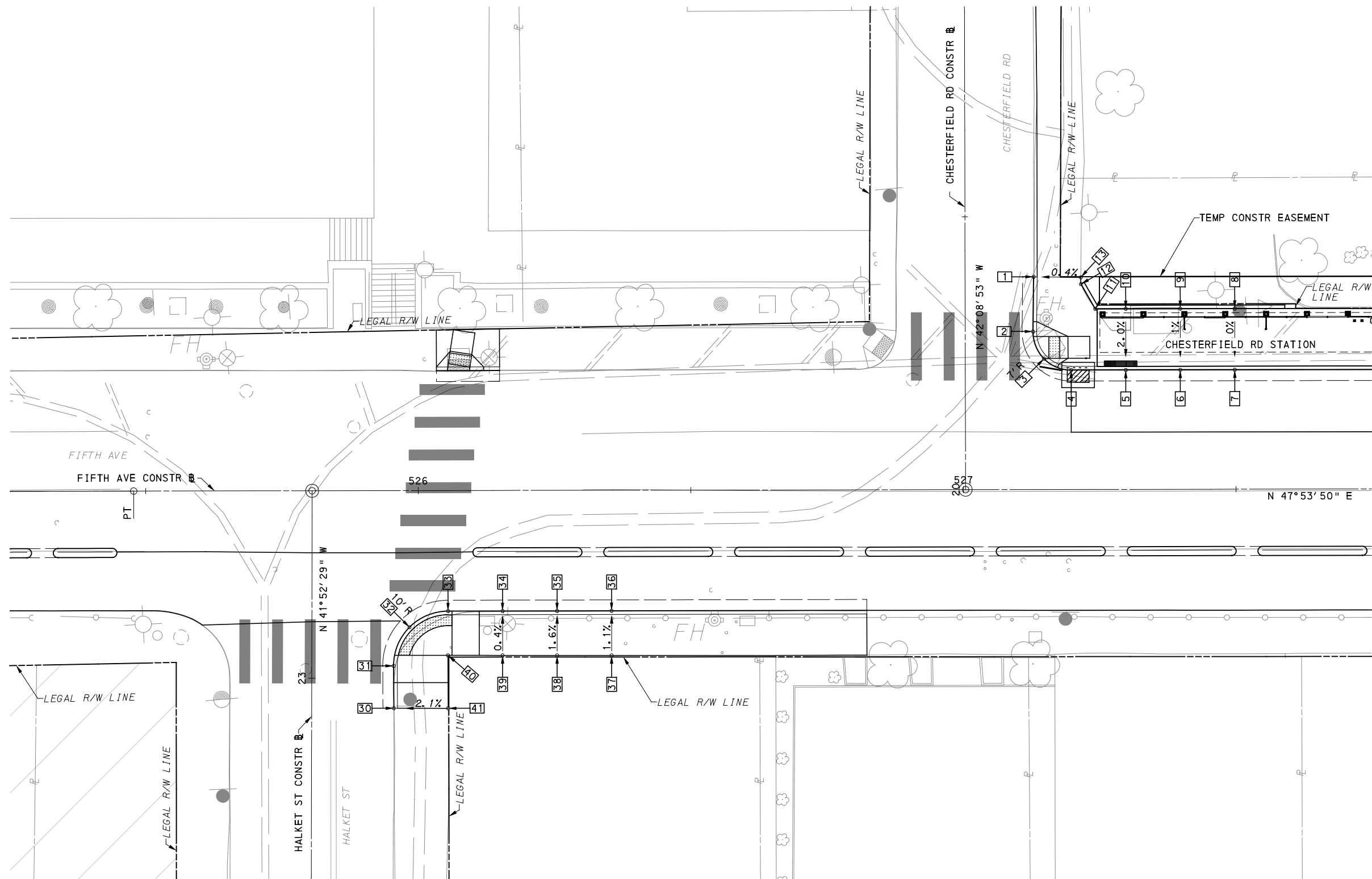
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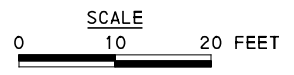
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & CRAFT AVE	
Port Authority connecting people to life™	CONTRACT NO. BRT-001
DWG. NO. ID35	SHT. 211



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



(FOR ROADWAY PLAN SEE SHEET 374)

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & HALKET ST/CHESTERFIELD RD	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ID36

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	CHESTERFIELD RD	POT	20+38.99	12.57' RT	[933.68]	[934.19]	-
2	CHESTERFIELD RD	PC	20+28.97	12.43' RT	[932.77]	*	-
3	FIFTH AVE	POC	527+14.82	23.94' LT	[932.27]	*	-
4	FIFTH AVE	PT	527+19.80	21.89' LT	[932.22]	932.80	-
5	FIFTH AVE	POT	527+29.80	21.89' LT	932.27	932.86	-
6	FIFTH AVE	POT	527+39.80	21.89' LT	[932.35]	932.93	-
7	FIFTH AVE	POT	527+49.80	21.89' LT	[932.45]	933.03	-
8	FIFTH AVE	-	527+49.80	33.11' LT	-	-	933.24
9	FIFTH AVE	-	527+39.80	33.11' LT	-	-	933.15
10	FIFTH AVE	-	527+29.80	33.11' LT	-	-	933.07
11	FIFTH AVE	-	527+24.22	33.11' LT	-	-	933.51
12	CHESTERFIELD RD	-	20+37.76	21.21' RT	-	-	934.33
13	CHESTERFIELD RD	-	20+38.87	21.22' RT	-	-	[934.22]

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
30	HALKET ST	POT	22+94.55	15.07' RT	[930.61]	[931.12]	-
31	HALKET ST	PC	23+02.30	15.02' RT	[930.95]	931.28	-
32	FIFTH AVE	POC	525+98.34	25.04' RT	[931.24]	*	-
33	FIFTH AVE	PT	526+05.42	22.11' RT	[931.27]	*	-
34	FIFTH AVE	POT	526+15.42	22.11' RT	[931.35]	931.68	-
35	FIFTH AVE	POT	526+25.42	22.11' RT	[931.44]	931.77	-
36	FIFTH AVE	POT	526+35.42	22.11' RT	[931.53]	931.88	-
37	FIFTH AVE	-	526+35.42	30.28' RT	-	-	[931.96]
38	FIFTH AVE	-	526+25.42	30.26' RT	-	-	[931.89]
39	FIFTH AVE	-	526+15.42	30.25' RT	-	-	[931.71]
40	FIFTH AVE	-	526+05.40	30.23' RT	-	-	[931.51]
41	HALKET ST	-	22+94.55	25.04' RT	-	-	[931.30]

NOTE:
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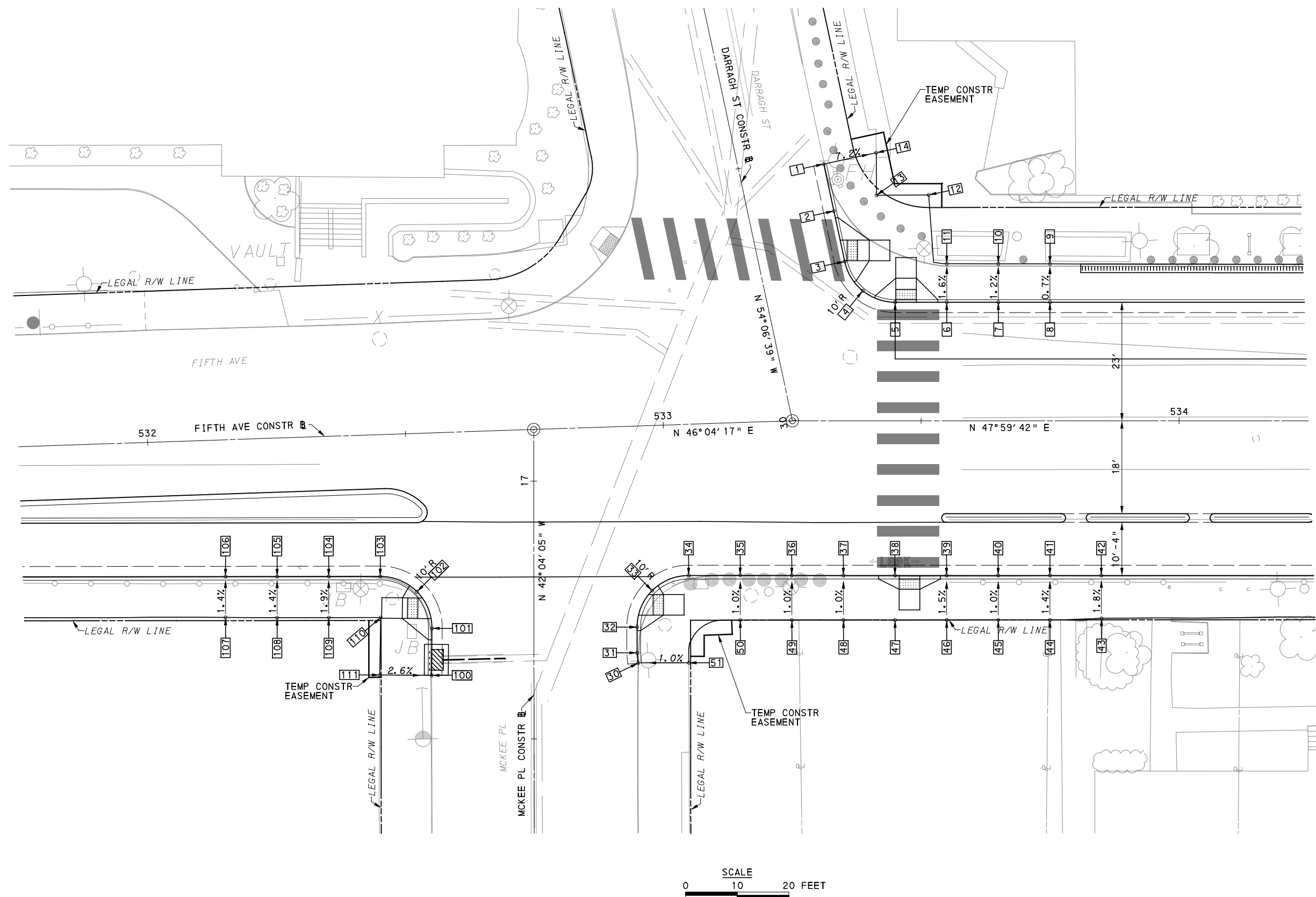
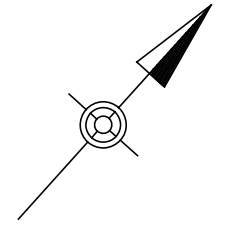
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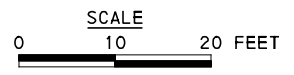
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & HALKET ST/CHESTERFIELD RD	
Port Authority <small>connecting people to life™</small>	CONTRACT NO. BRT-001
DWG. NO. ID37	SHT. 213



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



FOR ROADWAY PLAN SEE SHEET 375

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & MCKEE PL/DARRAGH ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. ID38	SHT. 214

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	DARRAGH ST	POT	30+47.41	16.39' RT	[931.10]	[931.54]	-
2	DARRAGH ST	POT	30+38.09	16.39' RT	[930.52]	930.96	-
3	DARRAGH ST	PC	30+28.09	16.39' RT	[930.17]	*	-
4	FIFTH AVE	POC	553+38.68	25.22' RT	[929.94]	930.38*	-
5	FIFTH AVE	PT	533+44.97	23.00' LT	[929.78]	*	-
6	FIFTH AVE	POT	533+54.97	23.00' LT	[929.59]	930.03	-
7	FIFTH AVE	POT	533+64.97	23.00' LT	[929.41]	929.85	-
8	FIFTH AVE	POT	533+74.97	23.00' LT	[929.24]	929.68	-
9	FIFTH AVE	-	533+74.97	30.43' LT	-	-	[929.62]
10	FIFTH AVE	-	533+64.97	30.44' LT	-	-	[929.76]
11	FIFTH AVE	-	533+54.97	30.45' LT	-	-	[929.92]
12	DARRAGH ST	-	30+37.28	35.02' LT	-	-	[930.21]
13	DARRAGH ST	-	30+39.34	25.11' LT	-	-	[930.40]
14	DARRAGH ST	-	30+47.41	26.78' LT	-	-	[930.77]

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
100	MCKEE PL	POT	16+62.37	19.84' LT	[929.13]	[929.63]	-
101	MCKEE PL	PC	16+71.48	19.77' LT	[929.77]	*	-
102	FIFTH AVE	POC	532+51.19	30.67' RT	[930.28]	*	-
103	FIFTH AVE	PT	532+44.19	27.49' RT	[930.37]	930.71	-
104	FIFTH AVE	POT	532+34.20	27.17' RT	930.51	930.92	-
105	FIFTH AVE	POT	532+24.20	26.84' RT	930.66	931.05	-
106	FIFTH AVE	POT	532+14.21	26.51' RT	930.77	931.16	-
107	FIFTH AVE	POT	532+13.94	34.43' RT	-	-	[931.26]
108	FIFTH AVE	POT	532+23.94	34.81' RT	-	-	[931.15]
109	FIFTH AVE	POT	532+33.93	35.14' RT	-	-	[931.06]
110	FIFTH AVE	-	532+44.02	35.46' RT	-	-	[930.76]
111	MCKEE PL	-	000+22.58	29.85' LT	-	-	[930.03]

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
30	MCKEE PL	POT	16+64.69	20.18' RT	[928.94]	[929.50]	-
31	MCKEE PL	PI	16+66.69	20.00' RT	[929.11]	929.53	-
32	MCKEE PL	PC	16+71.68	20.00' RT	[929.51]	929.93	-
33	FIFTH AVE	POC	532+96.78	32.00' RT	[929.81]	*	-
34	FIFTH AVE	PT	533+03.94	29.31' RT	[929.86]	930.28	-
35	FIFTH AVE	POT	533+13.90	29.64' RT	929.84	930.26	-
36	FIFTH AVE	POT	533+23.93	29.98' RT	929.79	930.21	-
37	FIFTH AVE	POT	533+34.94	30.00' RT	929.74	930.16	-
38	FIFTH AVE	POT	533+44.94	30.00' RT	929.68	*	-
39	FIFTH AVE	POT	533+54.94	30.00' RT	929.52	929.94	-
40	FIFTH AVE	POT	533+64.94	30.00' RT	929.38	929.80	-
41	FIFTH AVE	POT	533+74.94	30.00' RT	929.24	929.67	-
42	FIFTH AVE	POT	533+84.94	30.00' RT	929.11	929.53	-
43	FIFTH AVE	-	533+84.94	38.29' RT	-	-	[929.67]
44	FIFTH AVE	-	533+74.94	38.63' RT	-	-	[929.78]
45	FIFTH AVE	-	533+64.94	38.64' RT	-	-	[929.88]
46	FIFTH AVE	-	533+54.94	38.69' RT	-	-	[930.16]
47	FIFTH AVE	-	533+44.94	38.68' RT	-	-	[930.18]
48	FIFTH AVE	-	533+34.94	38.64' RT	-	-	[930.24]
49	FIFTH AVE	-	533+23.66	38.63' RT	-	-	[930.29]
50	FIFTH AVE	-	533+13.90	38.29' RT	-	-	[930.34]
51	MCKEE PL	-	000+00.00	9.76' RT	-	-	[929.59]

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM * 01900.001-DESIGN OF CURB RAMPS
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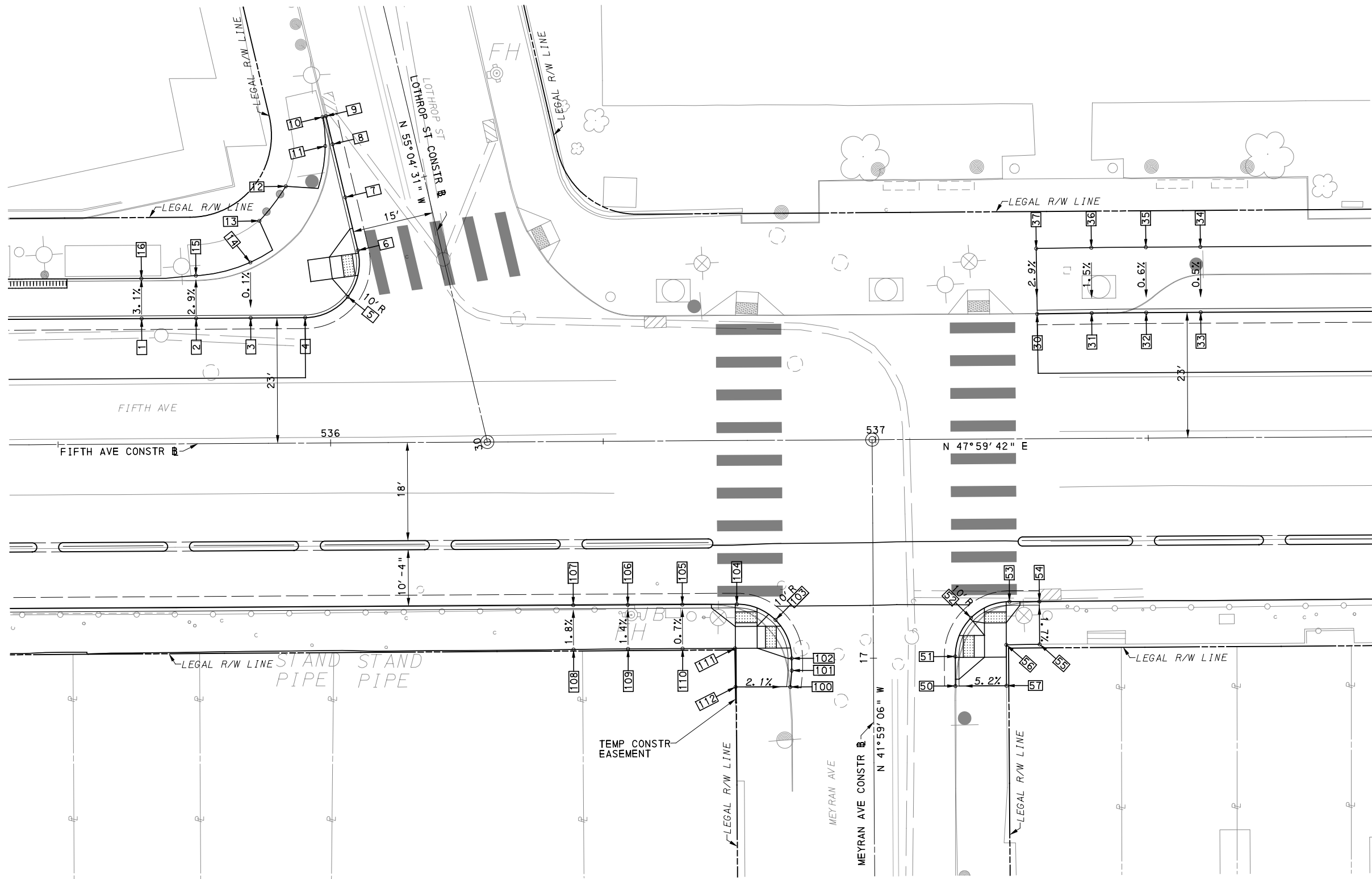
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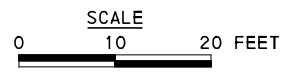
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & MCKEE PL/DARRAGH ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. ID39	SHT. 215



LEGEND

- ELEVATION POINT IDENTIFICATION
- DETECTABLE WARNING SURFACE
- DIRECTIONAL INDICATOR
- CURB RAMP
- PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 376]

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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 INTERSECTION DETAILS
 FIFTH AVE & LOTHROP ST/MEYRAN AVE

Port Authority connecting people to life™

CONTRACT NO. BRT-001
DWG. NO. ID40
SHT. 216

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	POT	535+65.48	23.00' LT	[928.92]	929.36	-
2	FIFTH AVE	POT	535+75.48	23.00' LT	[929.07]	929.51	-
3	FIFTH AVE	POT	535+85.48	23.00' LT	[929.20]	929.63	-
4	FIFTH AVE	PC	535+95.48	23.00' LT	[929.32]	929.90	-
5	FIFTH AVE	POC	536+03.31	26.78' LT	[929.42]	*	-
6	LOTHROP ST	PT	30+39.67	14.96' LT	[929.70]	*	-
7	LOTHROP ST	POT	30+49.68	14.96' LT	[930.31]	930.89	-
8	LOTHROP ST	POT	30+59.69	14.96' LT	[931.23]	931.69	-
9	LOTHROP ST	POT	30+64.98	14.96' LT	[931.60]	[932.18]	-
10	LOTHROP ST	-	30+64.98	15.57' LT	-	-	[932.18]
11	LOTHROP ST	-	30+59.67	16.35' LT	-	-	[931.71]
12	LOTHROP ST	-	30+54.19	25.09' LT	-	-	[930.47]
13	LOTHROP ST	-	30+49.14	31.27' LT	-	-	[929.56]
14	FIFTH AVE	-	535+85.48	33.18' LT	-	-	[929.64]
15	FIFTH AVE	-	535+75.48	30.83' LT	-	-	[929.30]
16	FIFTH AVE	-	535+65.48	30.36' LT	-	-	[929.15]

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
30	FIFTH AVE	POT	537+29.75	22.87' LT	[930.47]	[930.80]	-
31	FIFTH AVE	POT	537+39.75	22.97' LT	[930.57]	931.02	-
32	FIFTH AVE	POT	537+49.75	23.00' LT	[930.70]	931.16	-
33	FIFTH AVE	POT	537+59.75	23.00' LT	[930.75]	[931.21]	-
34	FIFTH AVE	-	537+59.75	35.00' LT	-	-	[931.27]
35	FIFTH AVE	-	537+49.75	35.00' LT	-	-	[931.23]
36	FIFTH AVE	-	537+39.75	34.97' LT	-	-	[931.19]
37	FIFTH AVE	-	537+29.64	34.87' LT	-	-	[931.13]

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE		STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
100	MEYRAN AVE	POT	16+94.80	15.28' LT	[928.90]	[929.47]	-
101	MEYRAN AVE	PI	16+97.81	15.00' LT	[929.14]	929.72	-
102	MEYRAN AVE	PC	17+00.03	15.00' LT	[929.29]	*	-
103	FIFTH AVE	POC	536+81.41	32.93' RT	[929.67]	*	-
104	FIFTH AVE	PT	536+74.34	30.00' RT	[929.84]	*	-
105	FIFTH AVE	POT	536+64.34	30.00' RT	929.74	930.24	-
106	FIFTH AVE	POT	536+54.34	30.00' RT	929.67	930.17	-
107	FIFTH AVE	POT	536+44.34	30.00' RT	[929.53]	930.03	-
108	FIFTH AVE	-	536+44.34	38.14' RT	-	-	[930.16]
109	FIFTH AVE	-	536+54.34	38.09' RT	-	-	[930.27]
110	FIFTH AVE	-	536+64.34	38.09' RT	-	-	[930.29]
111	FIFTH AVE	-	536+73.97	38.09' RT	-	-	[930.21]
112	MEYRAN AVE	-	16+94.87	25.31' LT	-	-	[929.69]

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
50	MEYRAN AVE	POT	16+94.80	15.01' RT	[929.14]	[929.56]	-
51	MEYRAN AVE	PC	17+00.21	15.01' RT	[929.47]	*	-
52	FIFTH AVE	POC	537+17.28	32.76' RT	[930.02]	*	-
53	FIFTH AVE	PT	537+24.35	29.83' RT	[930.38]	*	-
54	FIFTH AVE	POT	537+29.84	29.83' RT	[930.16]	[930.78]	-
55	FIFTH AVE	-	537+29.84	37.70' RT	-	-	[930.89]
56	FIFTH AVE	-	537+23.73	37.75' RT	-	-	[930.59]
57	MEYRAN AVE	-	16+94.80	24.38' RT	-	-	[930.01]

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM * 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



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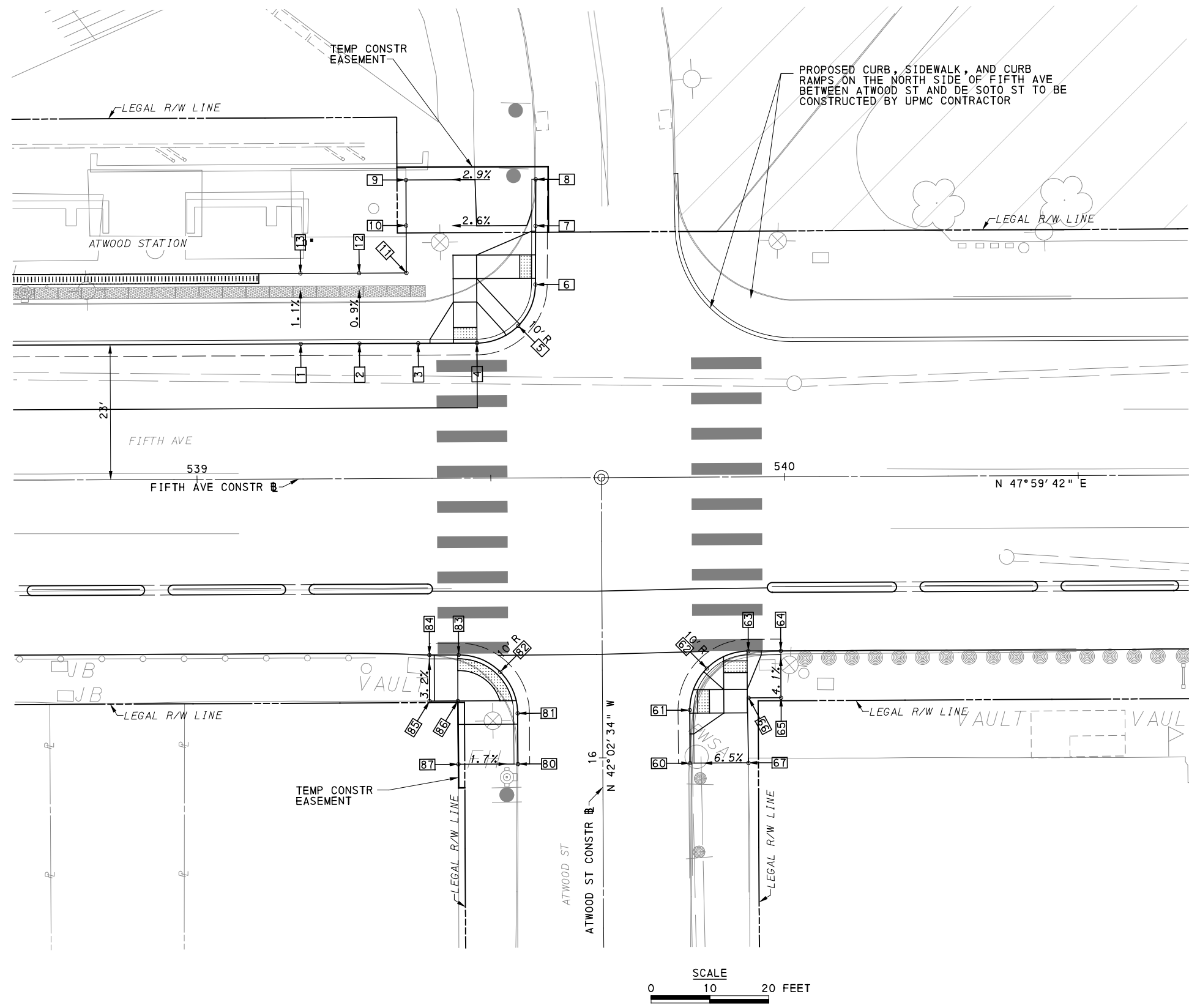
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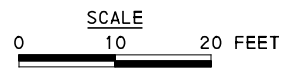
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & LOTHROP ST/MEYRAN AVE	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001 DWG. NO. ID41
	SHT. 217



LEGEND

- ELEVATION POINT IDENTIFICATION
- DETECTABLE WARNING SURFACE
- DIRECTIONAL INDICATOR
- CURB RAMP
- PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 376]

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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 INTERSECTION DETAILS
 FIFTH AVE & ATWOOD ST

Port Authority connecting people to life™

CONTRACT NO. BRT-001
DWG. NO. ID42
SHT. 218

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	POT	539+17.75	23.00' LT	[932.46]	933.04	-
2	FIFTH AVE	POT	539+27.75	23.00' LT	[932.55]	933.13	-
3	FIFTH AVE	POT	539+37.75	23.00' LT	[932.62]	933.20	-
4	FIFTH AVE	PC	539+47.75	23.00' LT	[932.69]	*	-
5	FIFTH AVE	POC	539+54.80	25.90' LT	[932.71]	933.29*	-
6	FIFTH AVE	PT	539+57.75	32.93' LT	[932.86]	*	-
7	FIFTH AVE	POT	539+57.82	42.93' LT	[933.21]	933.79*	-
8	FIFTH AVE	POT	539+57.87	50.84' LT	[933.49]	[933.90]	-
9	FIFTH AVE	-	539+35.78	50.83' LT	-	-	[933.33]
10	FIFTH AVE	-	539+35.79	43.08' LT	-	-	[933.23]
11	FIFTH AVE	-	539+35.79	35.00' LT	-	-	[933.11]
12	FIFTH AVE	-	539+27.75	35.00' LT	-	-	[933.03]
13	FIFTH AVE	-	539+17.75	35.00' LT	-	-	[932.92]

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
60	ATWOOD ST	POT	15+99.02	14.86' RT	[931.83]	[932.41]	-
61	ATWOOD ST	PC	16+08.05	14.86' RT	[932.21]	*	-
62	FIFTH AVE	POC	539+86.63	32.59' RT	[932.38]	*	-
63	FIFTH AVE	PT	539+93.71	29.65' RT	[932.36]	[932.77]	-
64	FIFTH AVE	POT	539+99.24	29.65' RT	[932.29]	[932.75]	-
65	FIFTH AVE	-	539+99.24	37.63' RT	-	-	[933.05]
66	FIFTH AVE	-	539+93.74	37.63' RT	-	-	[932.99]
67	ATWOOD ST	-	15+99.02	24.80' RT	-	-	[933.00]

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
80	ATWOOD ST	POT	15+99.02	14.45' LT	[931.77]	[932.25]	-
81	ATWOOD ST	PC	16+07.65	14.45' LT	[932.21]	*	-
82	FIFTH AVE	POC	539+51.47	33.01' RT	[932.55]	*	-
83	FIFTH AVE	PT	539+44.40	33.09' RT	[932.67]	*	-
84	FIFTH AVE	POT	539+39.42	33.09' RT	[932.67]	[933.00]	-
85	FIFTH AVE	-	539+39.42	37.94' RT	-	-	[933.23]
86	FIFTH AVE	-	539+44.23	37.94' RT	-	-	[933.05]
87	ATWOOD ST	-	15+99.02	24.57' LT	-	-	[932.41]

NOTE:
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 [] MATCH EXISTING ELEVATION



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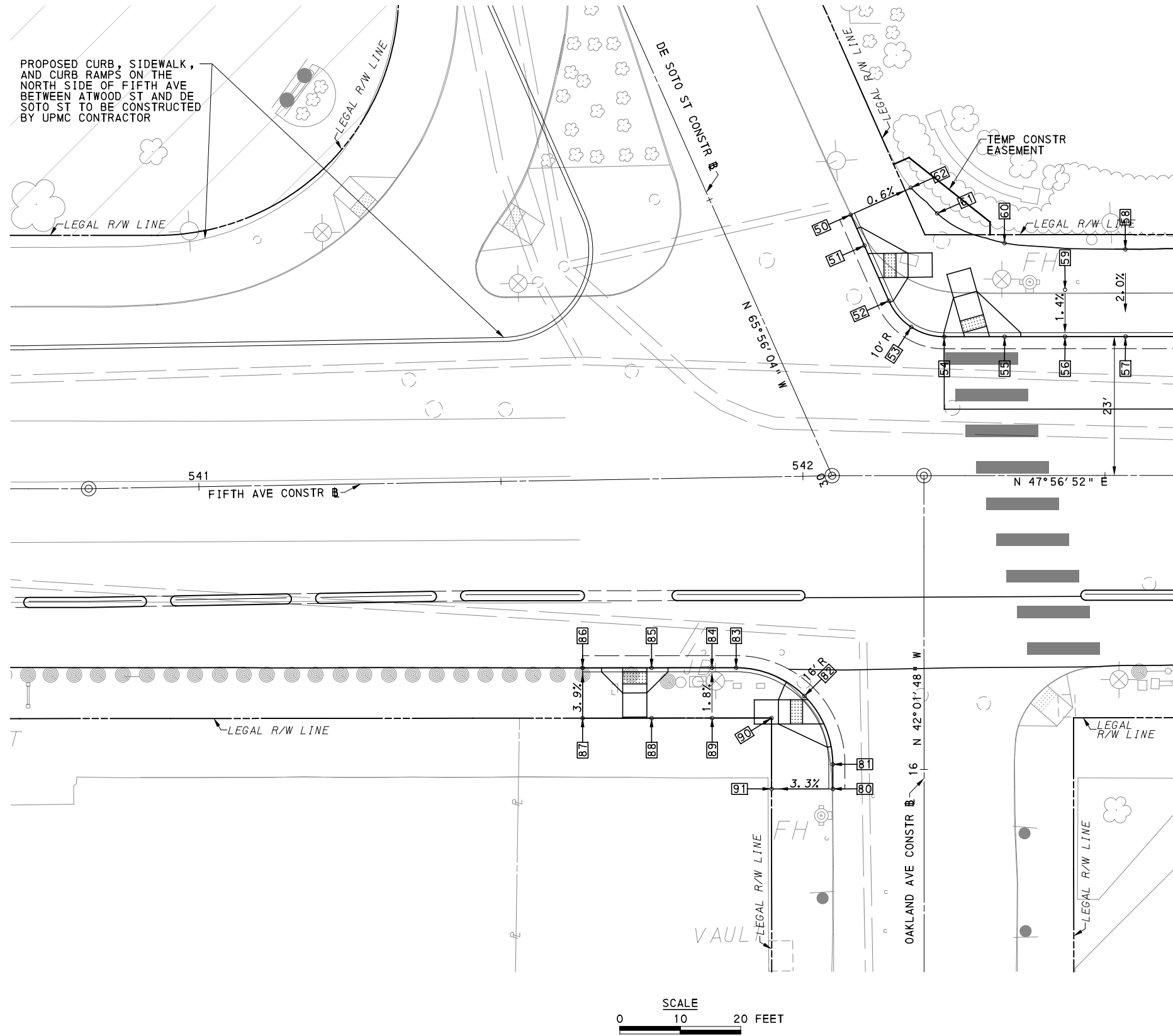
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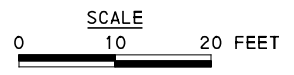
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & ATWOOD ST	
Port Authority <small>connecting people to life™</small>	CONTRACT NO. BRT-001
DWG. NO. ID43	SHT. 219



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 377]

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & OAKLAND AVE/DE SOTO ST	
Port Authority <small>connecting people to life™</small>	CONTRACT NO. BRT-001
	DWG. NO. ID44
	SHT. 220

NORTHEAST QUADRANT

POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
50	DE SOTO ST	POT	30+38.25	20.34' RT	[929.88]	[930.32]	-
51	DE SOTO ST	POT	30+32.66	20.34' RT	[929.70]	*	-
52	DE SOTO ST	PC	30+22.66	20.34' RT	[929.59]	*	-
53	FIFTH AVE	POC	542+17.95	24.62' LT	[929.56]	929.89 *	-
54	FIFTH AVE	PT	542+23.40	23.00' LT	[929.46]	929.79 *	-
55	FIFTH AVE	POT	542+33.40	23.00' LT	[929.31]	929.64	-
56	FIFTH AVE	POT	542+43.40	23.00' LT	[929.11]	929.44	-
57	FIFTH AVE	POT	542+53.40	23.00' LT	[928.96]	929.29	-
58	FIFTH AVE	-	542+53.40	30.77' LT	-	-	[929.59]
59	FIFTH AVE	-	542+43.40	30.76' LT	-	-	[929.54]
60	FIFTH AVE	-	542+33.40	38.51' LT	-	-	[930.02]
61	DE SOTO ST	-	30+32.66	33.53' RT	-	-	[930.14]
62	DE SOTO ST	-	30+38.31	31.26' RT	-	-	[930.26]

SOUTHWEST QUADRANT

POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
80	OAKLAND AVE	POT	15+96.81	15.09' LT	[928.93]	[929.34]	-
81	OAKLAND AVE	PC	16+00.88	15.09' LT	[929.05]	929.50*	-
82	FIFTH AVE	POC	541+99.63	36.39' RT	[929.31]	*	-
83	FIFTH AVE	PT	541+88.39	31.51' RT	[929.53]	930.11	-
84	FIFTH AVE	POT	541+84.40	31.45' RT	[929.47]	930.05	-
85	FIFTH AVE	POT	541+74.40	31.28' RT	[929.61]	*	-
86	FIFTH AVE	POT	541+62.98	31.09' RT	[929.85]	[930.34]	-
87	FIFTH AVE	-	541+62.84	39.43' RT	-	-	[930.63]
88	FIFTH AVE	-	541+74.26	39.61' RT	-	-	[930.49]
89	FIFTH AVE	-	541+84.28	39.78' RT	-	-	[930.24]
90	OAKLAND AVE	-	16+08.55	25.25' LT	-	-	[929.84]
91	OAKLAND AVE	-	15+96.81	25.25' LT	-	-	[929.65]

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM * 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



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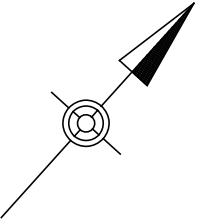
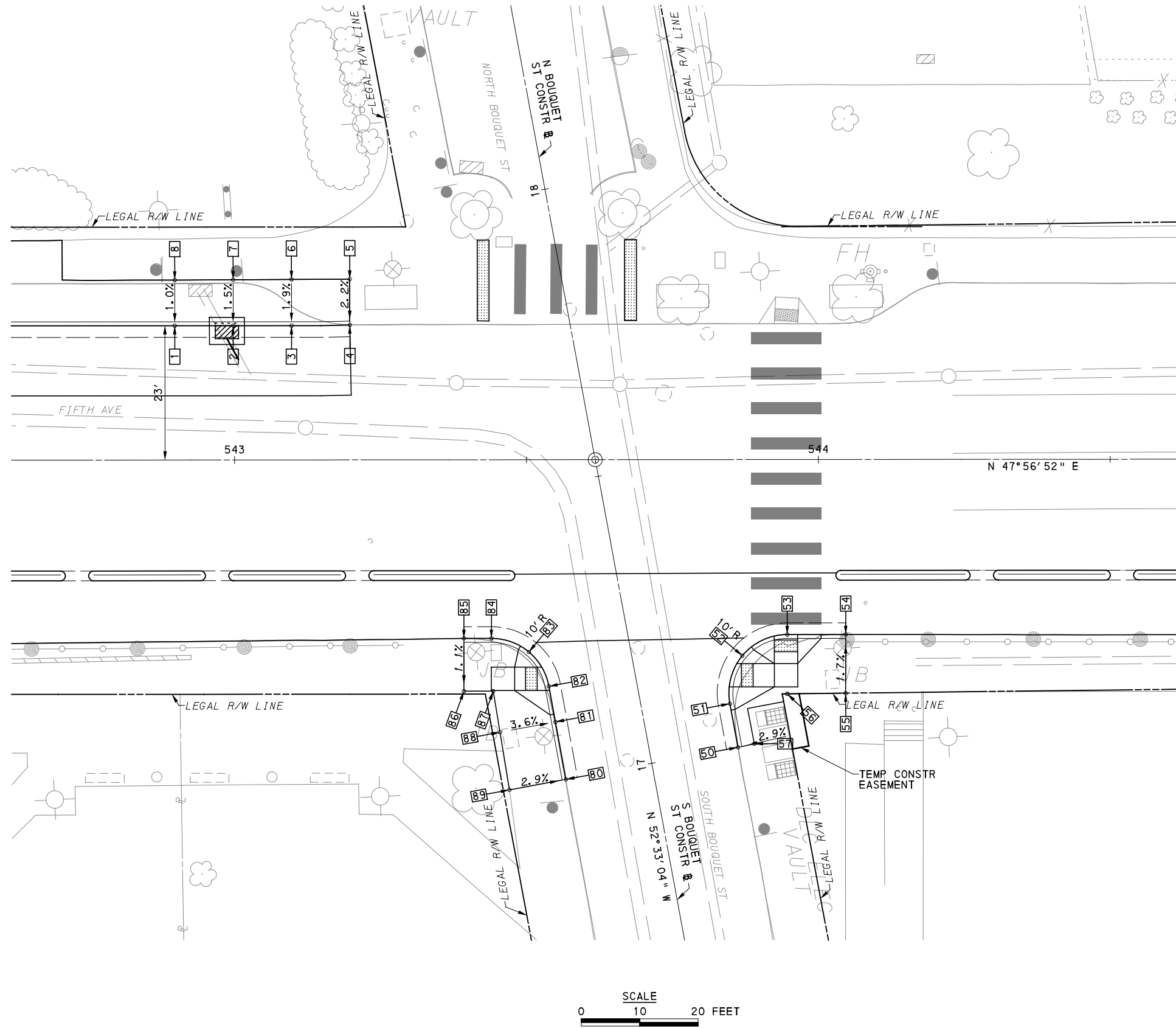
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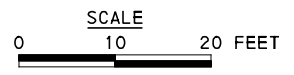
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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & OAKLAND AVE/DE SOTO ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. ID45	SHT. 221



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 377]

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & BOUQUET ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ID46

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	POT	542+89.77	23.00' LT	[928.39]	928.72	-
2	FIFTH AVE	POT	542+99.77	23.00' LT	[928.23]	928.57	-
3	FIFTH AVE	POT	543+09.77	23.00' LT	[928.14]	928.47	-
4	FIFTH AVE	POT	543+19.76	23.09' LT	[927.96]	[928.40]	-
5	FIFTH AVE	-	543+19.75	30.96' LT	-	-	[928.54]
6	FIFTH AVE	-	543+09.77	30.91' LT	-	-	[928.61]
7	FIFTH AVE	-	542+99.77	30.86' LT	-	-	[928.67]
8	FIFTH AVE	-	542+89.77	30.82' LT	-	-	[928.79]

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
80	S BOUQUET ST	POT	17+00.00	14.96' LT	[925.91]	[926.50]	-
81	S BOUQUET ST	POT	17+10.00	14.93' LT	[926.41]	[926.91]	-
82	S BOUQUET ST	PC	17+16.20	14.91' LT	[926.71]	*	-
83	FIFTH AVE	POC	543+50.38	32.91' RT	[926.97]	*	-
84	FIFTH AVE	PT	543+43.98	30.59' RT	[927.24]	[927.74]	-
85	FIFTH AVE	POT	543+39.26	30.59' RT	[927.33]	[927.88]	-
86	FIFTH AVE	-	543+39.26	39.62' RT	-	-	[927.79]
87	FIFTH AVE	-	543+44.28	39.62' RT	-	-	927.60
88	S BOUQUET ST	-	17+10.00	24.58' LT	-	-	927.09
89	S BOUQUET ST	-	17+00.00	24.79' LT	-	-	[926.63]

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
50	S BOUQUET ST	POT	17+00.00	15.03' RT	[926.01]	[926.32]	-
51	S BOUQUET ST	PC	17+07.60	15.03' RT	[926.32]	[926.65]	-
52	FIFTH AVE	POC	543+86.96	33.58' RT	[926.37]	*	-
53	FIFTH AVE	PT	543+94.65	29.98' RT	[926.32]	*	-
54	FIFTH AVE	POT	544+04.67	29.98' RT	[926.01]	[926.59]	-
55	FIFTH AVE	-	544+04.66	40.01' RT	-	-	[926.75]
56	FIFTH AVE	-	543+94.65	40.12' RT	-	-	[926.66]
57	S BOUQUET ST	-	17+00.10	17.88' RT	-	-	[926.37]

NOTE:
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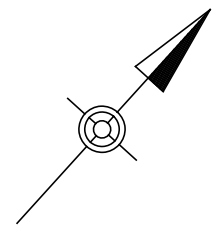
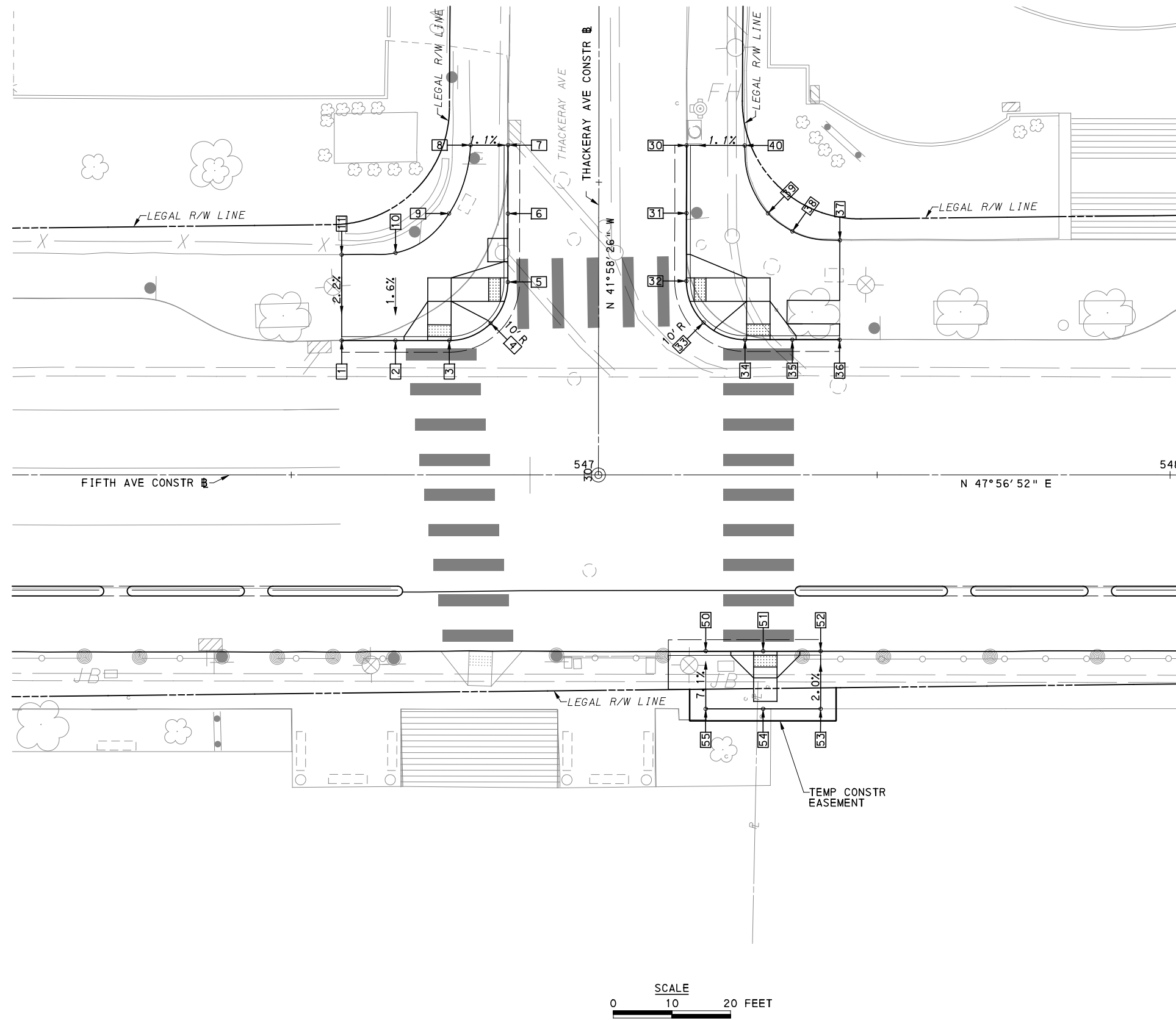
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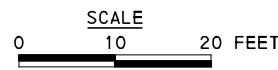
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & BOUQUET ST	
Port Authority <small>connecting people to life™</small>	CONTRACT NO. BRT-001
DWG. NO. ID47	SHT. 223



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 378]



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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 INTERSECTION DETAILS
 FIFTH AVE & THACKERY AVE

	CONTRACT NO. BRT-001	
	DWG. NO. ID48	SHT. 224

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	POT	546+58.61	22.96' LT	[922.28]	[922.61]	-
2	FIFTH AVE	POT	546+67.79	22.96' LT	[922.26]	922.64	-
3	FIFTH AVE	PC	546+76.98	0.00' RT	[922.11]	*	-
4	FIFTH AVE	POC	546+84.04	0.00' RT	[922.08]	*	-
5	THACKERAY AVE	PT	30+32.93	0.00' RT	[922.26]	*	-
6	THACKERAY AVE	POT	30+44.62	0.00' RT	[922.91]	923.29	-
7	THACKERAY AVE	POT	30+56.30	0.00' RT	[923.81]	[824.02]	-
8	THACKERAY AVE	-	30+56.30	6.38' LT	-	-	[924.12]
9	THACKERAY AVE	-	30+44.61	10.06' LT	-	-	[923.16]
10	FIFTH AVE	-	546+67.81	37.93' LT	-	-	[922.87]
11	FIFTH AVE	-	546+58.61	37.62' LT	-	-	[922.74]

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
30	THACKERAY AVE	POT	30+56.30	14.98' RT	[923.00]	[923.63]	-
31	THACKERAY AVE	POT	30+44.72	14.98' RT	[922.38]	922.96	-
32	THACKERAY AVE	PC	30+33.14	14.98' RT	921.93	*	-
33	FIFTH AVE	POC	547+20.38	26.04' LT	921.68	*	-
34	FIFTH AVE	PC	547+27.46	23.10' LT	921.44	*	-
35	FIFTH AVE	POT	547+35.53	23.10' LT	[921.27]	921.85*	-
36	FIFTH AVE	POT	547+43.60	23.10' LT	[921.11]	[921.65]	-
37	FIFTH AVE	-	547+43.65	40.08' LT	-	-	[921.62]
38	FIFTH AVE	-	547+35.54	41.61' LT	-	-	[921.99]
39	THACKERAY AVE	-	30+44.73	28.89' LT	-	-	[922.50]
40	THACKERAY AVE	-	30+56.30	24.88' LT	-	-	[923.73]

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
50	FIFTH AVE	POT	547+20.75	30.06' RT	[921.08]	[921.20]	-
51	FIFTH AVE	POT	547+30.55	30.08' RT	[920.99]	*	-
52	FIFTH AVE	POT	547+40.36	30.10' RT	[920.85]	[921.43]	-
53	FIFTH AVE	-	547+40.36	39.93' RT	-	-	[921.61]
54	FIFTH AVE	-	547+30.55	39.93' RT	-	-	[921.76]
55	FIFTH AVE	-	547+20.75	39.93' RT	-	-	[921.85]

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM * 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



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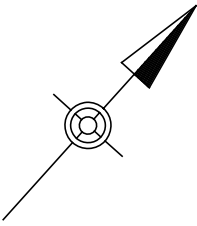
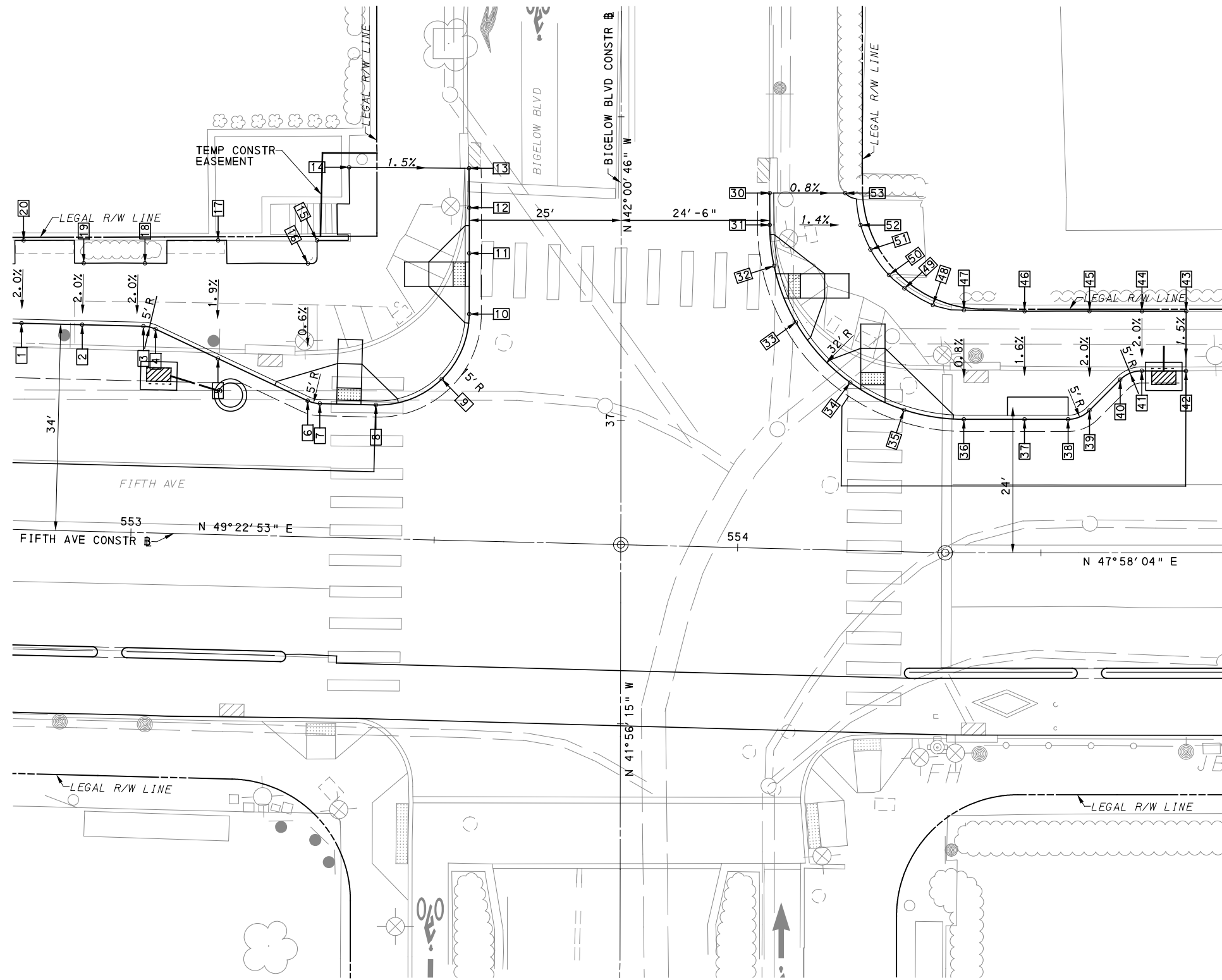
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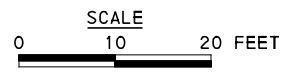
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & THACKERY AVE	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. ID49	SHT. 225



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV' T SAW CUT LINE



FOR ROADWAY PLAN SEE SHEET 379

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & BIGELOW BLVD		
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. ID50	SHT. 226

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	POT	552+81.13	34.00' LT	913.22	913.80	-
2	FIFTH AVE	POT	552+91.13	34.00' LT	913.13	913.72	-
3	FIFTH AVE	PC	553+01.22	34.00' LT	913.00	913.59	-
4	FIFTH AVE	PT	553+03.24	33.58' LT	912.97	913.56	-
5	FIFTH AVE	POT	553+13.64	29.00' LT	912.51	913.45	-
6	FIFTH AVE	PC	553+28.58	22.42' LT	912.39	*	-
7	FIFTH AVE	PT	553+30.60	22.00' LT	912.36	*	-
8	FIFTH AVE	PC	553+39.84	22.00' LT	912.22	*	-
9	FIFTH AVE	POC	553+50.58	26.52' LT	912.11	912.69	-
10	BIGELOW BLVD	PT	37+17.48	25.00' LT	912.44	913.02*	-
11	BIGELOW BLVD	POT	37+27.48	25.00' LT	912.71	*	-
12	BIGELOW BLVD	PI	37+35.00	25.00' LT	913.08	913.66	-
13	BIGELOW BLVD	POT	37+41.49	25.05' LT	[913.13]	[913.71]	-
14	BIGELOW BLVD	-	37+41.65	44.81' LT	-	-	[913.99]
15	FIFTH AVE	-	553+29.46	48.87' LT	-	-	[913.57]
16	FIFTH AVE	-	553+28.04	45.02' LT	-	-	[913.52]
17	FIFTH AVE	-	553+13.17	48.46' LT	-	-	[913.80]
18	FIFTH AVE	-	553+01.23	44.39' LT	-	-	[913.78]
19	FIFTH AVE	-	552+91.13	44.15' LT	-	-	[913.91]
20	FIFTH AVE	-	552+81.13	47.65' LT	-	-	[914.06]

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
30	BIGELOW BLVD	POT	37+37.45	24.50' RT	[912.34]	[912.92]	-
31	BIGELOW BLVD	PC	37+32.20	24.50' RT	[912.23]	[912.81]	-
32	BIGELOW BLVD	POC	37+25.44	25.22' RT	911.98	*	-
33	BIGELOW BLVD	POC	37+16.15	28.81' RT	911.70	*	-
34	FIFTH AVE	POC	554+17.88	27.65' LT	911.33	*	-
35	FIFTH AVE	POC	554+26.87	23.38' LT	911.25	*	-
36	FIFTH AVE	PT	554+37.29	22.00' LT	911.26	911.84	-
37	FIFTH AVE	POT	554+47.29	22.00' LT	911.21	911.79	-
38	FIFTH AVE	PC	554+56.46	24.00' LT	911.20	911.79	-
39	FIFTH AVE	PT	554+60.00	25.46' LT	911.19	911.77	-
40	FIFTH AVE	PC	554+63.06	28.52' LT	[911.17]	911.75	-
41	FIFTH AVE	PT	554+66.61	30.00' LT	[911.15]	911.73	-
42	FIFTH AVE	POT	554+73.89	29.97' LT	[911.21]	[911.79]	-
43	FIFTH AVE	-	554+73.92	39.82' LT	-	-	[911.92]
44	FIFTH AVE	-	554+66.63	39.82' LT	-	-	[911.92]
45	FIFTH AVE	-	554+58.00	39.82' LT	-	-	912.09
46	FIFTH AVE	-	554+47.29	39.82' LT	-	-	912.13
47	FIFTH AVE	-	554+37.30	39.99' LT	-	-	912.17
48	FIFTH AVE	-	554+31.17	40.78' LT	-	-	912.10
49	FIFTH AVE	-	554+26.44	43.38' LT	-	-	912.17
50	BIGELOW BLVD	-	37+23.96	44.15' LT	-	-	[912.29]
51	BIGELOW BLVD	-	37+28.15	41.12' LT	-	-	[912.46]
52	BIGELOW BLVD	-	37+32.18	39.49' RT	-	-	[912.61]
53	BIGELOW BLVD	-	37+37.45	36.94' LT	-	-	[912.82]

NOTE:
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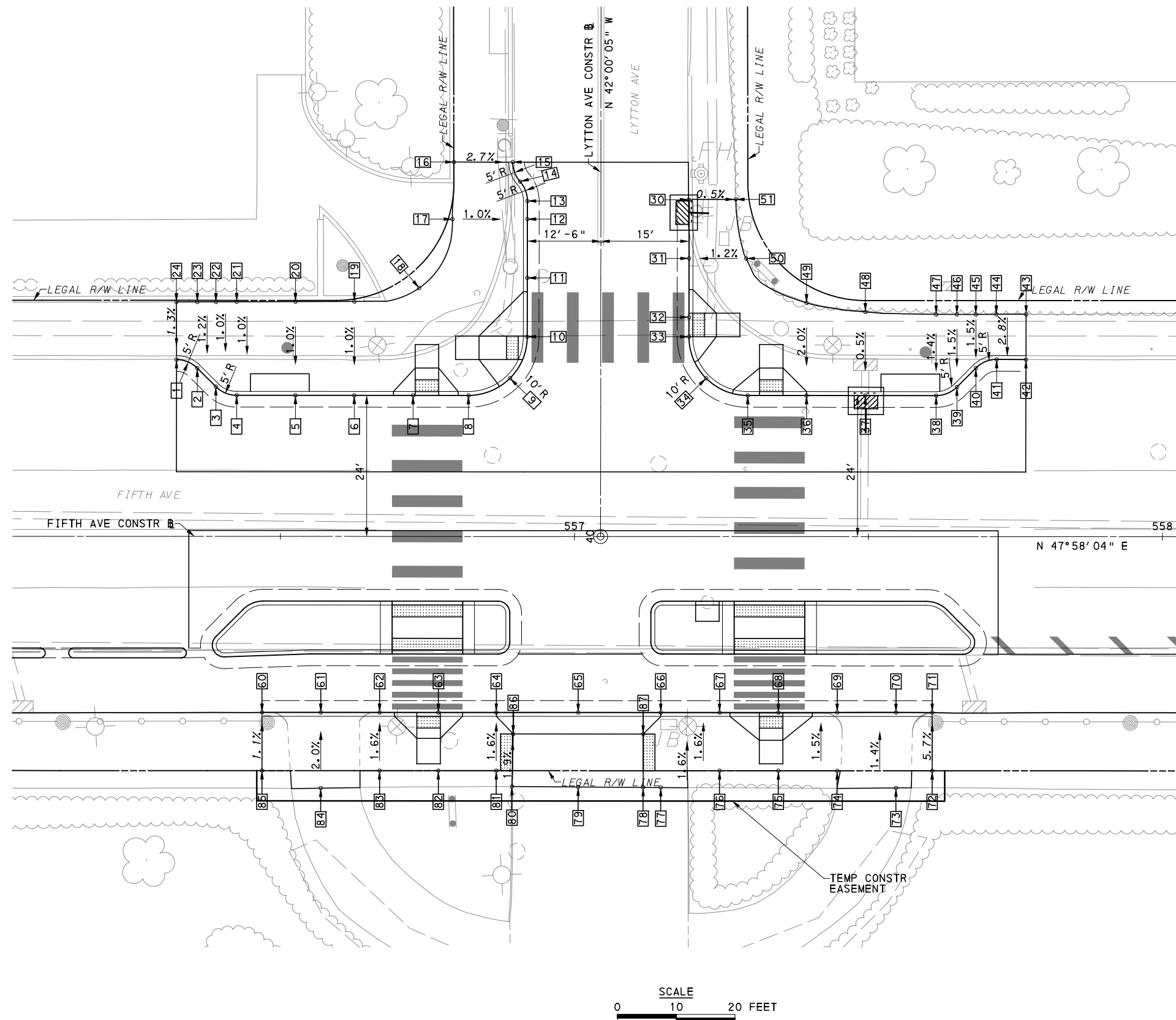
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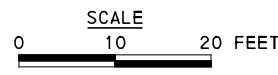
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & BIGELOW BLVD	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. ID51	SHT. 227



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 380]

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & LYTTON AVE	
Port Authority connecting people to life	CONTRACT NO. BRT-001
	DWG. NO. ID52 SHT. 228

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	PC	556+32.31	30.09' LT	[912.71]	[913.17]	-
2	FIFTH AVE	PT	556+35.85	28.63' LT	[912.75]	913.21	-
3	FIFTH AVE	PC	556+39.01	25.46' LT	[912.83]	913.28	-
4	FIFTH AVE	PT	556+42.55	24.00' LT	[912.89]	913.34	-
5	FIFTH AVE	POT	556+52.55	24.00' LT	[913.00]	913.46	-
6	FIFTH AVE	POT	556+62.55	24.00' LT	[913.15]	* 913.61	-
7	FIFTH AVE	POT	556+72.55	24.00' LT	[913.32]	* *	-
8	FIFTH AVE	PC	556+81.97	24.00' LT	[913.52]	*	-
9	FIFTH AVE	POC	556+89.04	26.93' LT	[913.65]	*	-
10	LYTTON AVE	PT	40+33.99	12.50' LT	[913.79]	*	-
11	LYTTON AVE	POT	40+43.99	12.50' LT	[914.29]	914.56*	-
12	LYTTON AVE	POT	40+53.99	12.50' LT	[914.54]	914.94	-
13	LYTTON AVE	PC	40+57.08	12.50' LT	[914.65]	915.11	-
14	LYTTON AVE	PRC	40+60.38	13.75' LT	[914.75]	915.30	-
15	LYTTON AVE	PT	40+63.99	15.00' LT	[914.84]	915.26	-
16	LYTTON AVE	-	40+63.69	25.00' LT	-	-	[915.51]
17	LYTTON AVE	-	40+53.97	25.24' LT	-	-	[915.07]
18	LYTTON AVE	-	40+42.25	30.89' LT	-	-	[914.15]
19	FIFTH AVE	-	556+62.55	39.98' LT	-	-	[913.73]
20	FIFTH AVE	-	556+52.55	39.95' LT	-	-	[913.57]
21	FIFTH AVE	-	556+42.55	39.92' LT	-	-	[913.43]
22	FIFTH AVE	-	556+39.01	39.90' LT	-	-	[913.38]
23	FIFTH AVE	-	556+35.85	39.89' LT	-	-	[913.33]
24	FIFTH AVE	-	556+32.30	39.88' LT	-	-	[913.29]

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
30	LYTTON AVE	POT	40+57.32	14.91' RT	[914.60]	[915.38]	-
31	LYTTON AVE	POT	40+47.33	15.00' RT	[914.35]	914.77	-
32	LYTTON AVE	POT	40+37.33	15.00' RT	[913.98]	*	-
33	LYTTON AVE	PC	40+34.01	15.00' RT	[913.89]	*	-
34	FIFTH AVE	POC	557+22.39	26.93' LT	[913.78]	914.20	-
35	FIFTH AVE	PT	557+29.47	24.00' LT	[913.81]	*	-
36	FIFTH AVE	POT	557+39.47	24.00' LT	[913.84]	914.25	-
37	FIFTH AVE	POT	557+49.47	24.00' LT	[913.86]	914.28	-
38	FIFTH AVE	PC	557+61.50	24.00' LT	913.93	914.35	-
39	FIFTH AVE	PT	557+65.04	25.46' LT	913.95	914.37	-
40	FIFTH AVE	PC	557+68.26	28.68' LT	913.97	914.39	-
41	FIFTH AVE	PT	557+71.80	30.15' LT	913.99	914.41	-
42	FIFTH AVE	POT	557+76.79	30.14' LT	[914.02]	[914.46]	-
43	FIFTH AVE	-	557+76.80	37.85' LT	-	-	[914.63]
44	FIFTH AVE	-	557+71.74	37.84' LT	-	-	[914.59]
45	FIFTH AVE	-	557+68.26	37.82' LT	-	-	[914.57]
46	FIFTH AVE	-	557+65.04	37.81' LT	-	-	[914.55]
47	FIFTH AVE	-	557+61.50	37.82' LT	-	-	[914.53]
48	FIFTH AVE	-	557+49.47	38.23' LT	-	-	[914.47]
49	FIFTH AVE	-	557+39.46	39.76' LT	-	-	[914.56]
50	LYTTON AVE	-	40+47.34	24.70' LT	-	-	[914.88]
51	LYTTON AVE	-	40+57.38	22.94' LT	-	-	[915.34]

SOUTH QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
60	FIFTH AVE	POT	556+46.88	29.93' RT	[912.97]	[913.47]	-
61	FIFTH AVE	POT	556+56.88	29.93' RT	913.08	913.50	-
62	FIFTH AVE	POT	556+66.88	29.93' RT	913.15	913.57*	-
63	FIFTH AVE	POT	556+76.88	29.93' RT	913.27	*	-
64	FIFTH AVE	POT	556+86.72	29.93' RT	913.41	913.83	-
65	FIFTH AVE	POT	557+00.65	29.93' RT	913.57	913.99	-
66	FIFTH AVE	POT	557+14.70	29.93' RT	913.74	914.16	-
67	FIFTH AVE	POT	557+24.70	29.93' RT	913.81	914.25	-
68	FIFTH AVE	POT	557+34.70	29.93' RT	913.84	*	-
69	FIFTH AVE	POT	557+44.70	29.93' RT	913.91	914.40	-
70	FIFTH AVE	POT	557+54.70	29.93' RT	913.94	914.49	-
71	FIFTH AVE	POT	557+60.86	29.93' RT	[913.98]	[914.28]	-
72	FIFTH AVE	-	557+60.86	39.84' RT	-	-	[914.68]
73	FIFTH AVE	-	557+54.70	42.76' RT	-	-	[914.63]
74	FIFTH AVE	-	557+44.70	39.84' RT	-	-	[914.52]
75	FIFTH AVE	-	557+34.70	39.84' RT	-	-	[914.45]
76	FIFTH AVE	-	557+24.70	39.84' RT	-	-	[914.35]
77	FIFTH AVE	-	557+14.70	42.70' RT	-	-	[914.39]
78	FIFTH AVE	-	557+11.70	42.68' RT	-	-	[914.37]
79	FIFTH AVE	-	557+00.65	42.61' RT	-	-	[914.25]
80	FIFTH AVE	-	556+89.59	42.53' RT	-	-	[914.07]
81	FIFTH AVE	-	556+86.72	39.84' RT	-	-	[913.97]
82	FIFTH AVE	-	556+76.87	39.84' RT	-	-	[913.86]
83	FIFTH AVE	-	556+66.87	39.84' RT	-	-	[913.72]
84	FIFTH AVE	-	556+56.87	42.82' RT	-	-	[913.73]
85	FIFTH AVE	-	556+46.88	39.84' RT	-	-	[913.57]
86	FIFTH AVE	-	556+89.59	33.60' RT	-	-	913.94
87	FIFTH AVE	-	557+11.70	33.60' RT	-	-	914.19

NOTE:
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 [] MATCH EXISTING ELEVATION



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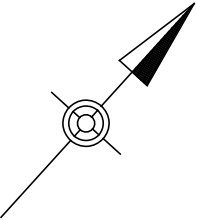
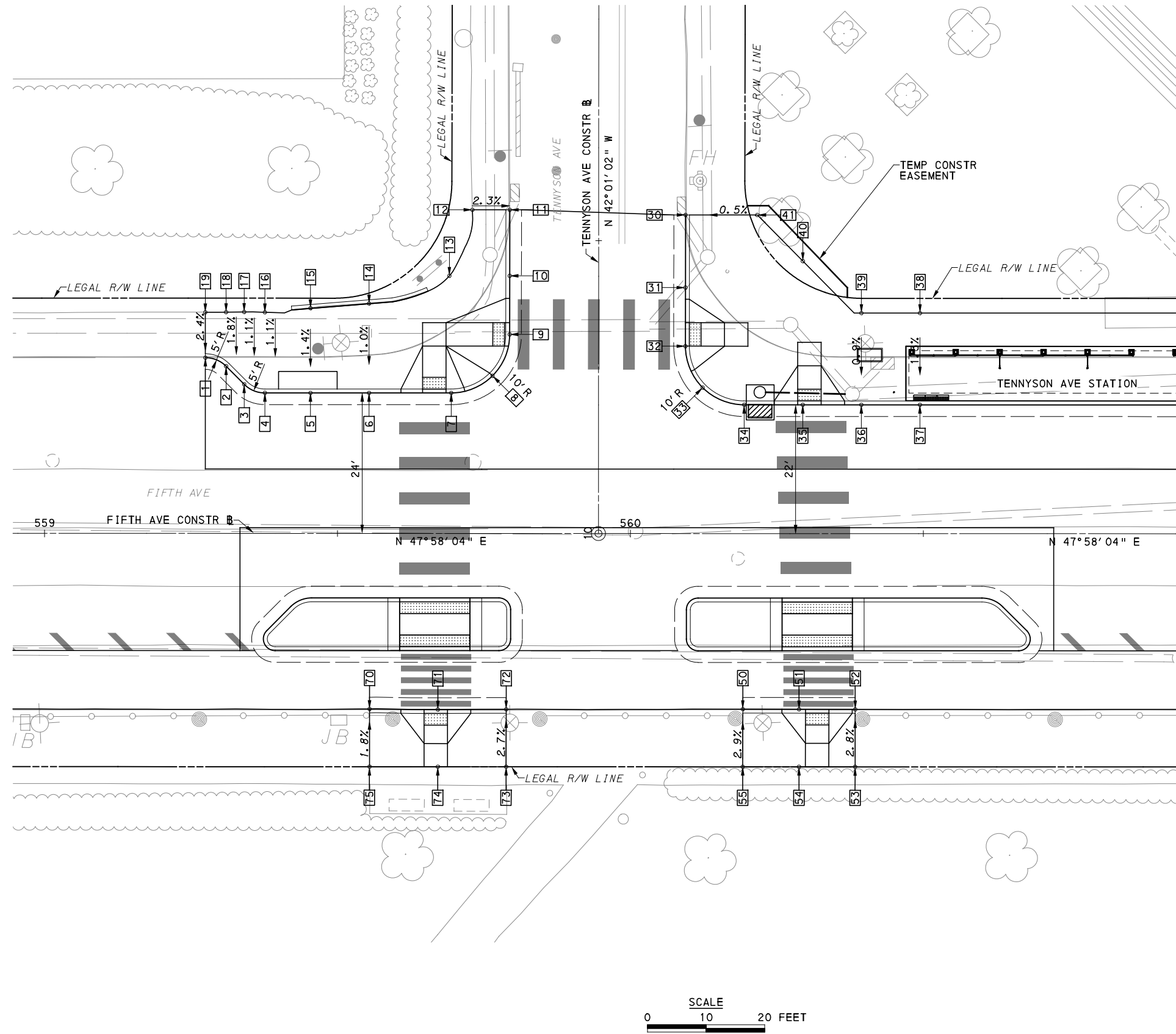
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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

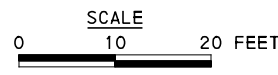
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA
 FIFTH AVE & LYTTON AVE

Port Authority connecting people to life™

CONTRACT NO. BRT-001
 DWG. NO. ID53 SHT. 229



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 380]

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & TENNYSON AVE		
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. ID54	SHT. 230

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	PC	559+27.43	30.02' LT	[915.46]	[916.00]	-
2	FIFTH AVE	PT	559+30.97	28.55' LT	[915.52]	916.02	-
3	FIFTH AVE	PC	559+34.06	25.46' LT	[915.62]	916.10	-
4	FIFTH AVE	PT	559+37.59	24.00' LT	[915.69]	916.15	-
5	FIFTH AVE	POT	559+45.37	24.00' LT	[915.77]	916.20	-
6	FIFTH AVE	POT	559+55.37	24.00' LT	[915.92]	916.42	-
7	FIFTH AVE	PC	559+69.40	24.00' LT	[916.21]	*	-
8	FIFTH AVE	POC	559+76.45	26.94' LT	[916.35]	916.93*	-
9	TENNYSON AVE	PT	10+33.99	15.17' LT	[916.54]	*	-
10	TENNYSON AVE	POT	10+43.99	15.17' LT	[916.90]	917.48	-
11	TENNYSON AVE	POT	10+55.27	15.17' LT	[916.31]	[917.85]	-
12	TENNYSON AVE	-	10+55.27	21.54' LT	-	-	[917.98]
13	TENNYSON AVE	-	10+44.00	25.47' LT	-	-	[917.29]
14	FIFTH AVE	-	559+55.37	39.27' LT	-	-	[916.58]
15	FIFTH AVE	-	559+45.37	38.47' LT	-	-	[916.40]
16	FIFTH AVE	-	559+37.59	37.76' LT	-	-	[916.29]
17	FIFTH AVE	-	559+34.06	37.81' LT	-	-	[916.23]
18	FIFTH AVE	-	559+30.97	37.78' LT	-	-	[916.20]
19	FIFTH AVE	-	559+27.43	37.76' LT	-	-	[916.17]

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
30	TENNYSON AVE	POT	10+54.41	14.83' RT	[917.15]	[917.78]	-
31	TENNYSON AVE	POT	10+42.01	14.83' RT	[916.85]	917.43	-
32	TENNYSON AVE	PC	10+32.01	14.83' RT	[916.62]	*	-
33	FIFTH AVE	POC	560+12.31	24.92' LT	[916.49]	917.07	-
34	FIFTH AVE	PT	560+19.40	22.00' LT	[916.43]	917.01	-
35	FIFTH AVE	POT	560+29.40	22.00' LT	[916.48]	*	-
36	FIFTH AVE	POT	560+39.40	22.00' LT	[916.56]	917.14	-
37	FIFTH AVE	POT	560+49.40	22.00' LT	[916.67]	917.25	-
38	FIFTH AVE	-	560+49.40	37.67' LT	-	-	[917.45]
39	FIFTH AVE	-	560+39.40	37.67' LT	-	-	[917.27]
40	TENNYSON AVE	-	10+46.54	34.86' RT	-	-	[917.55]
41	TENNYSON AVE	-	10+54.41	27.07' RT	-	-	[917.84]

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
70	FIFTH AVE	POT	559+55.47	29.97' RT	[915.48]	[916.19]	-
71	FIFTH AVE	POT	559+67.13	30.06' RT	[915.55]	*	-
72	FIFTH AVE	POT	559+78.79	30.01' RT	[915.71]	[916.26]	-
73	FIFTH AVE	-	559+78.79	39.83' RT	-	-	[916.52]
74	FIFTH AVE	-	559+67.13	39.83' RT	-	-	[916.44]
75	FIFTH AVE	-	559+55.47	39.83' RT	-	-	[916.36]

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
50	FIFTH AVE	POT	560+19.19	29.98' RT	[916.01]	[916.45]	-
51	FIFTH AVE	POT	560+28.78	30.00' RT	[916.06]	*	-
52	FIFTH AVE	POT	560+38.37	30.02' RT	[916.13]	[916.63]	-
53	FIFTH AVE	-	560+38.38	39.82' RT	-	-	[916.89]
54	FIFTH AVE	-	560+28.78	39.82' RT	-	-	[916.73]
55	FIFTH AVE	-	560+19.19	39.82' RT	-	-	[916.72]

NOTE:
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 [] MATCH EXISTING ELEVATION



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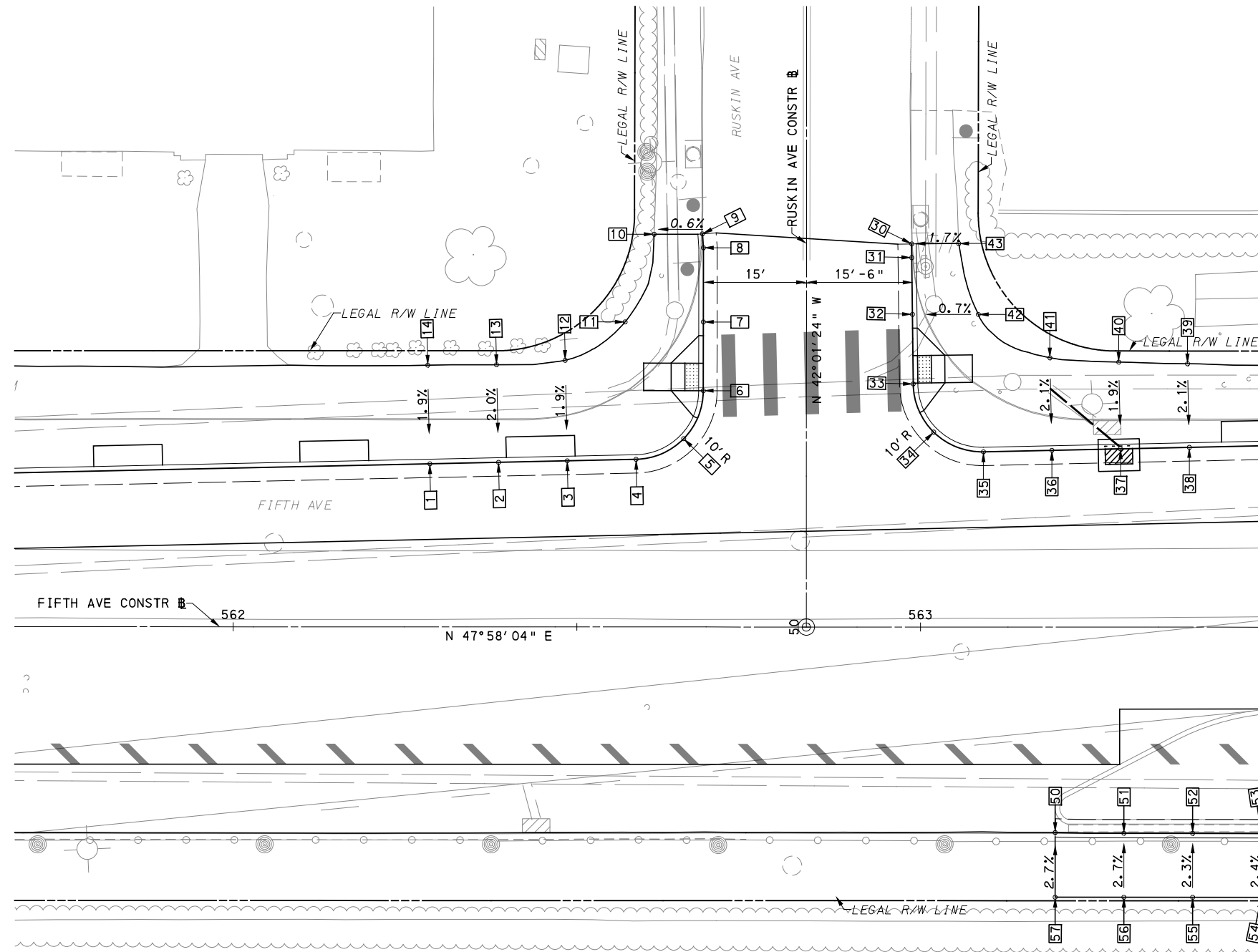
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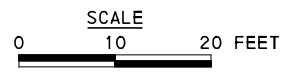
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & TENNYSON AVE	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. ID55	SHT. 231



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 381]

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & RUSKIN AVE	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ID56
	SHT. 232

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	POT	562+28.60	23.73' LT	[918.51]	918.93	-
2	FIFTH AVE	POT	562+38.60	23.95' LT	[918.60]	919.02	-
3	FIFTH AVE	POT	562+48.60	24.17' LT	[918.79]	919.21	-
4	FIFTH AVE	PC	562+58.61	24.39' LT	[919.08]	919.50	-
5	FIFTH AVE	POC	562+65.54	27.40' LT	[919.27]	919.69	-
6	RUSKIN AVE	PT	50+34.39	15.00' LT	[919.37]	*	-
7	RUSKIN AVE	POT	50+44.39	15.00' LT	[919.77]	920.19	-
8	RUSKIN AVE	PI	50+55.18	15.00' LT	[920.26]	920.68	-
9	RUSKIN AVE	POT	50+57.20	15.14' LT	[920.33]	[920.72]	-
10	RUSKIN AVE	-	50+57.15	22.17' LT	-	-	[920.76]
11	RUSKIN AVE	-	50+44.39	26.37' LT	-	-	[919.95]
12	FIFTH AVE	-	562+48.29	38.80' LT	-	-	919.48
13	FIFTH AVE	-	562+38.20	38.15' LT	-	-	919.29
14	FIFTH AVE	-	562+28.30	38.09' LT	-	-	919.19

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
30	RUSKIN AVE	POT	50+55.76	15.31' RT	[920.48]	[920.89]	-
31	RUSKIN AVE	PI	50+53.76	15.32' RT	[920.40]	920.81	-
32	RUSKIN AVE	POT	50+45.51	15.42' RT	[920.08]	920.49*	-
33	RUSKIN AVE	PC	50+35.58	15.54' RT	[919.79]	*	-
34	FIFTH AVE	POC	563+01.92	28.37' LT	[919.66]	920.07*	-
35	FIFTH AVE	PT	563+09.15	25.50' LT	[919.66]	920.08	-
36	FIFTH AVE	POT	563+19.11	25.72' LT	[919.66]	920.08	-
37	FIFTH AVE	POT	563+29.07	25.94' LT	[919.65]	920.07	-
38	FIFTH AVE	POT	563+39.10	26.16' LT	[919.74]	920.16	-
39	FIFTH AVE	-	563+38.84	38.33' LT	-	-	[920.40]
40	FIFTH AVE	-	563+28.82	38.57' LT	-	-	[920.30]
41	FIFTH AVE	-	563+18.81	39.17' LT	-	-	[920.35]
42	RUSKIN AVE	-	50+45.49	25.01' LT	-	-	[920.57]
43	RUSKIN AVE	-	50+55.82	22.15' LT	-	-	[921.02]

SOUTH QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
50	FIFTH AVE	POT	563+19.61	28.89' RT	[919.21]	[919.71]	-
51	FIFTH AVE	POT	563+29.61	30.00' RT	919.31	919.81	-
52	FIFTH AVE	POT	563+39.61	30.00' RT	919.41	919.91	-
53	FIFTH AVE	POT	563+49.61	30.00' RT	919.51	920.01	-
54	FIFTH AVE	-	563+49.61	39.31' RT	-	-	[920.22]
55	FIFTH AVE	-	563+39.61	39.31' RT	-	-	[920.11]
56	FIFTH AVE	-	563+29.61	39.31' RT	-	-	[920.04]
57	FIFTH AVE	-	563+19.61	39.31' RT	-	-	[919.95]

NOTE:
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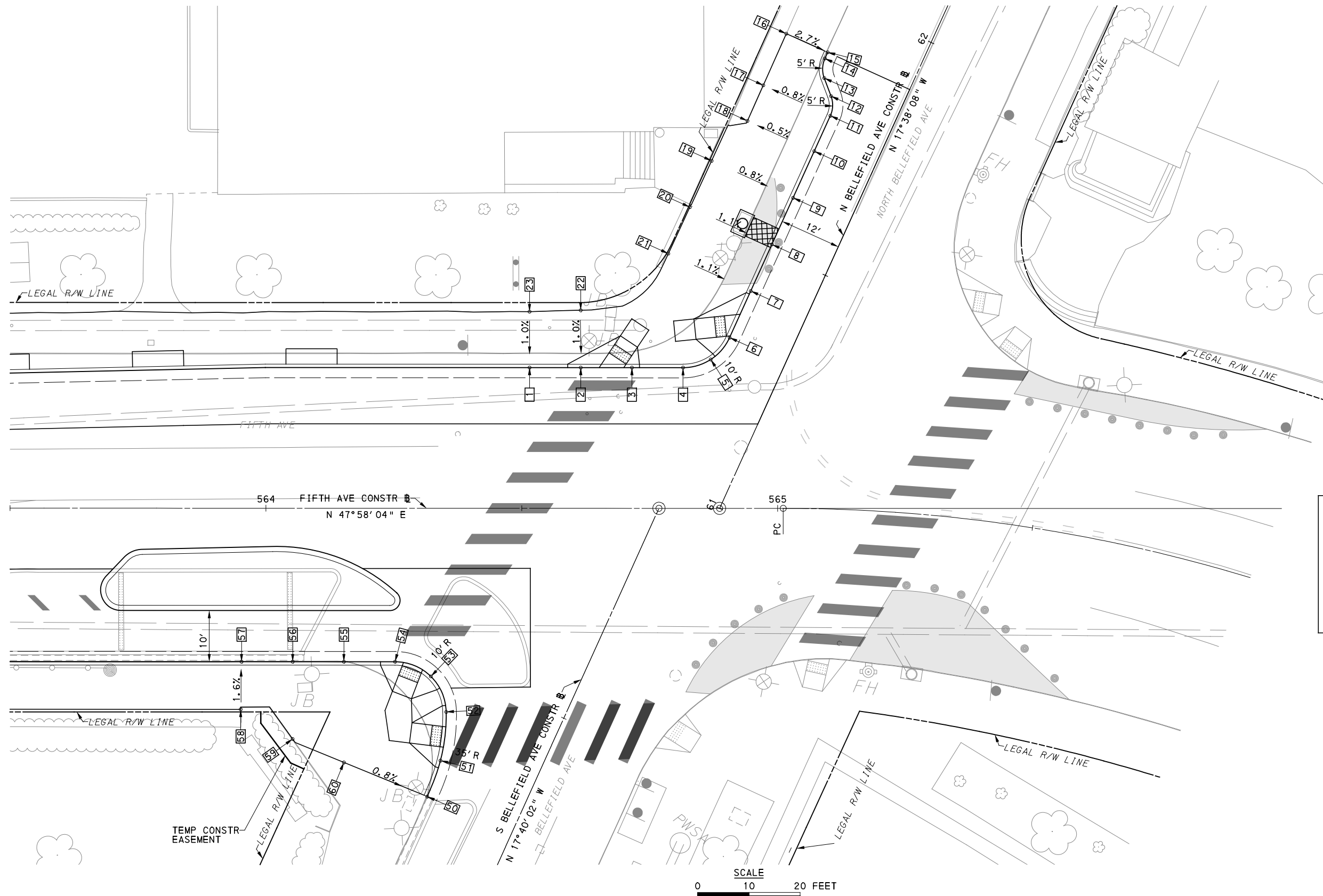
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & RUSKIN AVE	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ID57
SHT. 233	



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 381]

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FIFTH AVE & BELLEFIELD AVE		
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. ID58	SHT. 234

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FIFTH AVE	POT	564+51.52	27.50' LT	[920.96]	921.38	-
2	FIFTH AVE	POT	564+61.52	27.50' LT	[921.09]	921.51	-
3	FIFTH AVE	POT	564+71.52	27.50' LT	[921.20]	*	-
4	FIFTH AVE	PC	564+81.50	27.50' LT	[921.37]	921.79	-
5	FIFTH AVE	POC	564+86.91	29.09' LT	[921.54]	921.96	-
6	N BELLEFIELD AVE	PT	61+31.19	12.00' LT	[921.60]	*	-
7	N BELLEFIELD AVE	POT	61+41.19	12.00' LT	[921.90]	922.32	-
8	N BELLEFIELD AVE	POT	61+51.19	12.00' LT	[922.26]	922.68	-
9	N BELLEFIELD AVE	POT	61+61.20	12.00' LT	[922.68]	923.10	-
10	N BELLEFIELD AVE	POT	61+71.20	12.00' LT	[923.05]	923.47	-
11	N BELLEFIELD AVE	PC	61+78.82	12.00' LT	[923.34]	923.76	-
12	N BELLEFIELD AVE	PT	61+82.35	13.46' LT	[923.41]	923.83	-
13	N BELLEFIELD AVE	PC	61+85.02	16.13' LT	[923.47]	923.89	-
14	N BELLEFIELD AVE	PT	61+88.55	17.59' LT	[923.60]	924.02	-
15	N BELLEFIELD AVE	POT	61+89.89	17.59' LT	[923.55]	923.76	-
16	N BELLEFIELD AVE	-	61+89.85	26.47' LT	-	-	[923.98]
17	N BELLEFIELD AVE	-	61+78.82	26.39' LT	-	-	[923.65]
18	N BELLEFIELD AVE	-	61+71.19	26.33' LT	-	-	[923.40]
19	N BELLEFIELD AVE	-	61+61.20	29.49' LT	-	-	[923.54]
20	N BELLEFIELD AVE	-	61+51.20	29.61' LT	-	-	[922.87]
21	N BELLEFIELD AVE	-	61+41.20	29.69' LT	-	-	[922.06]
22	FIFTH AVE	-	564+61.51	38.72' LT	-	-	[921.62]
23	FIFTH AVE	-	564+51.50	38.42' LT	-	-	921.48

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
50	S BELLEFIELD AVE	POC	60+25.02	17.99' LT	[919.67]	[920.06]	-
51	S BELLEFIELD AVE	POC	60+32.50	18.54' LT	[919.92]	*	-
52	S BELLEFIELD AVE	PRC	60+41.63	21.44' LT	[920.15]	*	-
53	FIFTH AVE	POC	564+32.24	32.86' RT	[920.26]	*	-
54	FIFTH AVE	PC	564+25.24	30.00' RT	920.18	*	-
55	FIFTH AVE	POT	564+15.24	30.00' RT	920.16	920.49	-
56	FIFTH AVE	POT	564+05.24	30.00' RT	920.13	920.46	-
57	FIFTH AVE	POT	563+95.24	30.00' RT	920.11	920.44	-
58	FIFTH AVE	-	563+95.08	39.31' RT	-	-	[920.61]
59	FIFTH AVE	-	564+05.24	45.10' RT	-	-	[920.49]
60	S BELLEFIELD AVE	-	60+24.38	35.58' LT	-	-	[920.19]

NOTE:
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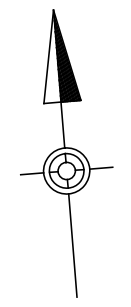
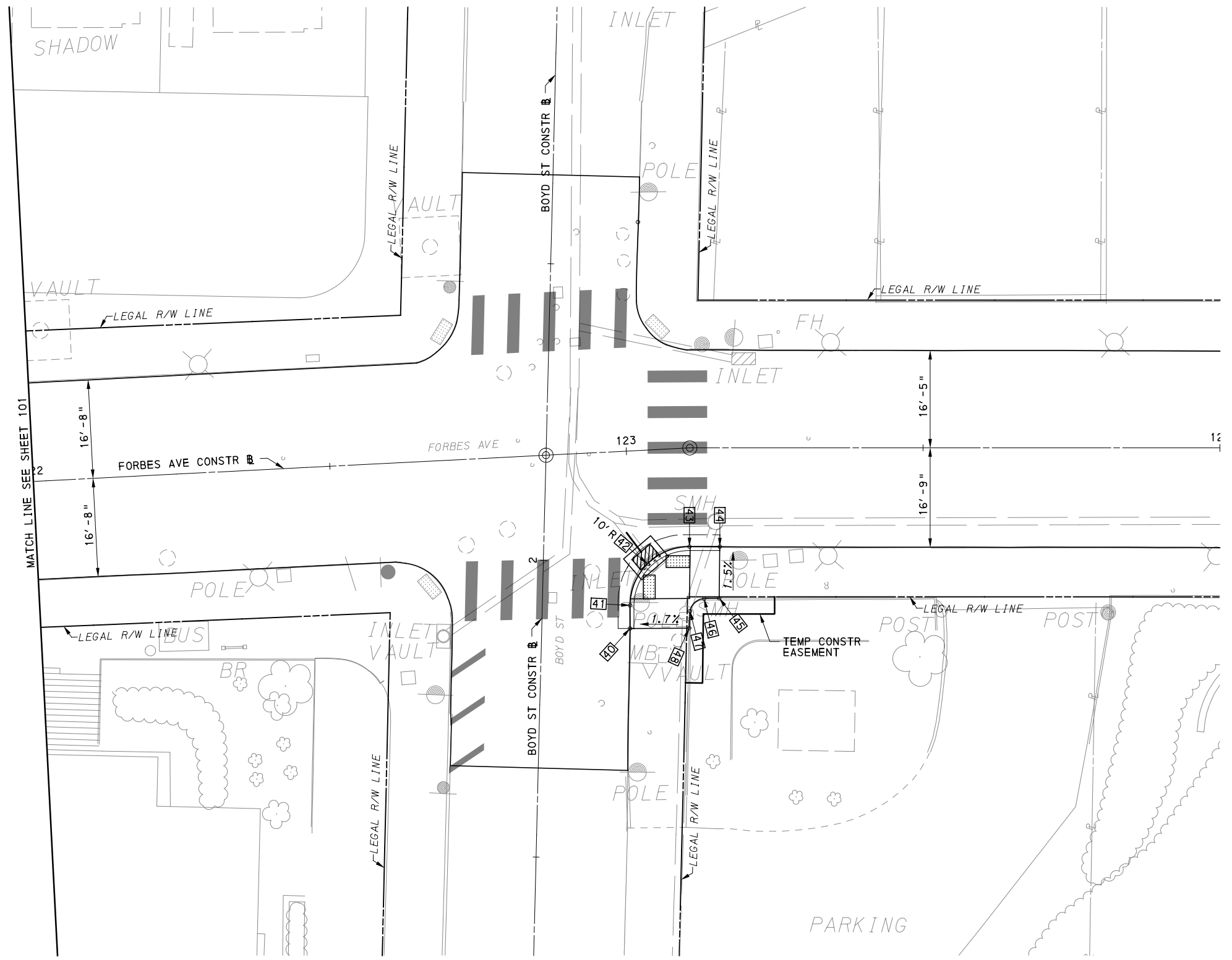
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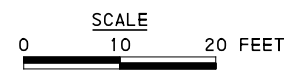
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FIFTH AVE & BELLEFIELD AVE	
Port Authority <small>connecting people to life™</small>	CONTRACT NO. BRT-001
DWG. NO. ID59	SHT. 235



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 383]

AECOM
 Gulf Tower
 707 Grant Street
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GANNETT FLEMING
 GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FORBES AVE & BOYD ST		
Port Authority connecting people to life®	CONTRACT NO. BRT-001	
	DWG. NO. ID60	SHT. 236

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
40	BOYD ST	POT	1+88.90	14.87' RT	[782.46]	[782.90*]	-
41	BOYD ST	PC	1+92.78	14.77' RT	782.13	*	-
42	BOYD ST	POC	1+99.87	17.56' RT	781.80	*	-
43	FORBES AVE	PT	123+09.80	16.61' RT	782.12	*	-
44	FORBES AVE	POT	123+15.76	16.64' RT	[782.32]	[782.66*]	-
45	FORBES AVE	POT	123+15.66	25.34' RT	-	-	[782.80]
46	FORBES AVE	PC	123+13.12	25.42' RT	-	-	782.62
47	FORBES AVE	PT	123+09.33	27.48' RT	-	-	782.63
48	FORBES AVE	POT	123+09.06	30.33' RT	-	-	[782.88]

NOTE:
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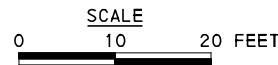
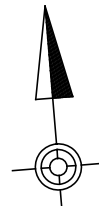
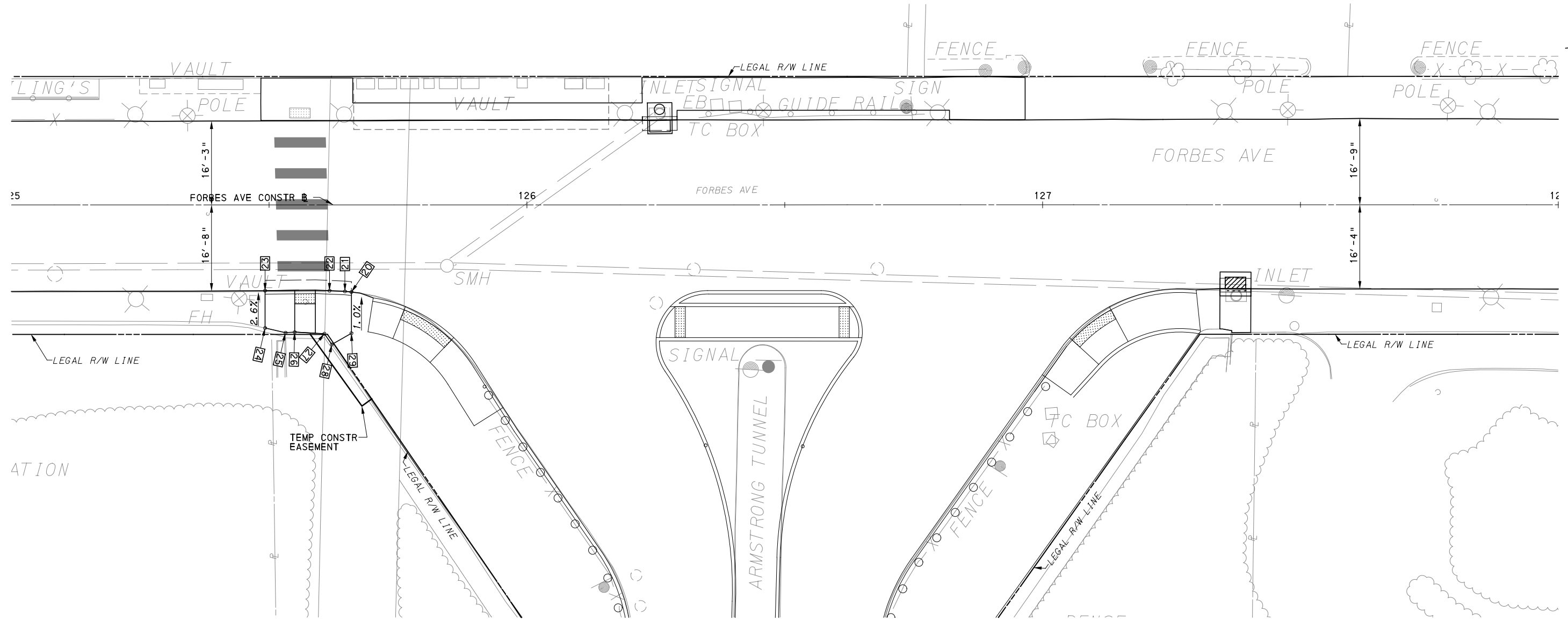
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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FORBES AVE & BOYD ST

	CONTRACT NO. BRT-001	
	DWG. NO. ID61	SHT. 237



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE

[FOR ROADWAY PLAN SEE SHEET 383]



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(NOT FOR CONSTRUCTION)

DESIGNED	TCG
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IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 INTERSECTION DETAILS
 FORBES AVE & ARMSTRONG TUNNEL



CONTRACT NO. BRT-001

DWG. NO. ID62

SHT. 238

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
20	FORBES AVE	POT	125+65.97	16.91' RT	[789.65]	[789.76*]	-
21	FORBES AVE	PC	125+64.71	16.77' RT	789.62	*	-
22	FORBES AVE	POC	125+61.72	16.65' RT	789.55	*	-
23	FORBES AVE	PT	125+49.23	16.64' RT	[789.29]	[789.29*]	-
24	FORBES AVE	POT	125+49.23	23.88' RT	-	-	[789.69]
25	FORBES AVE	POT	125+53.19	24.80' RT	-	-	790.03
26	FORBES AVE	POT	125+54.97	24.96' RT	-	-	790.07
27	FORBES AVE	POT	125+60.73	24.99' RT	-	-	790.19
28	FORBES AVE	POT	125+62.19	27.05' RT	-	-	[790.35]
29	FORBES AVE	POT	125+65.97	24.89' RT	-	-	[790.31]

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM * 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



Gulf Tower
 707 Grant Street
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 Pittsburgh, PA 15219



GANNETT FLEMING, INC.
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 730 Holiday Drive
 Pittsburgh, PA. 15220

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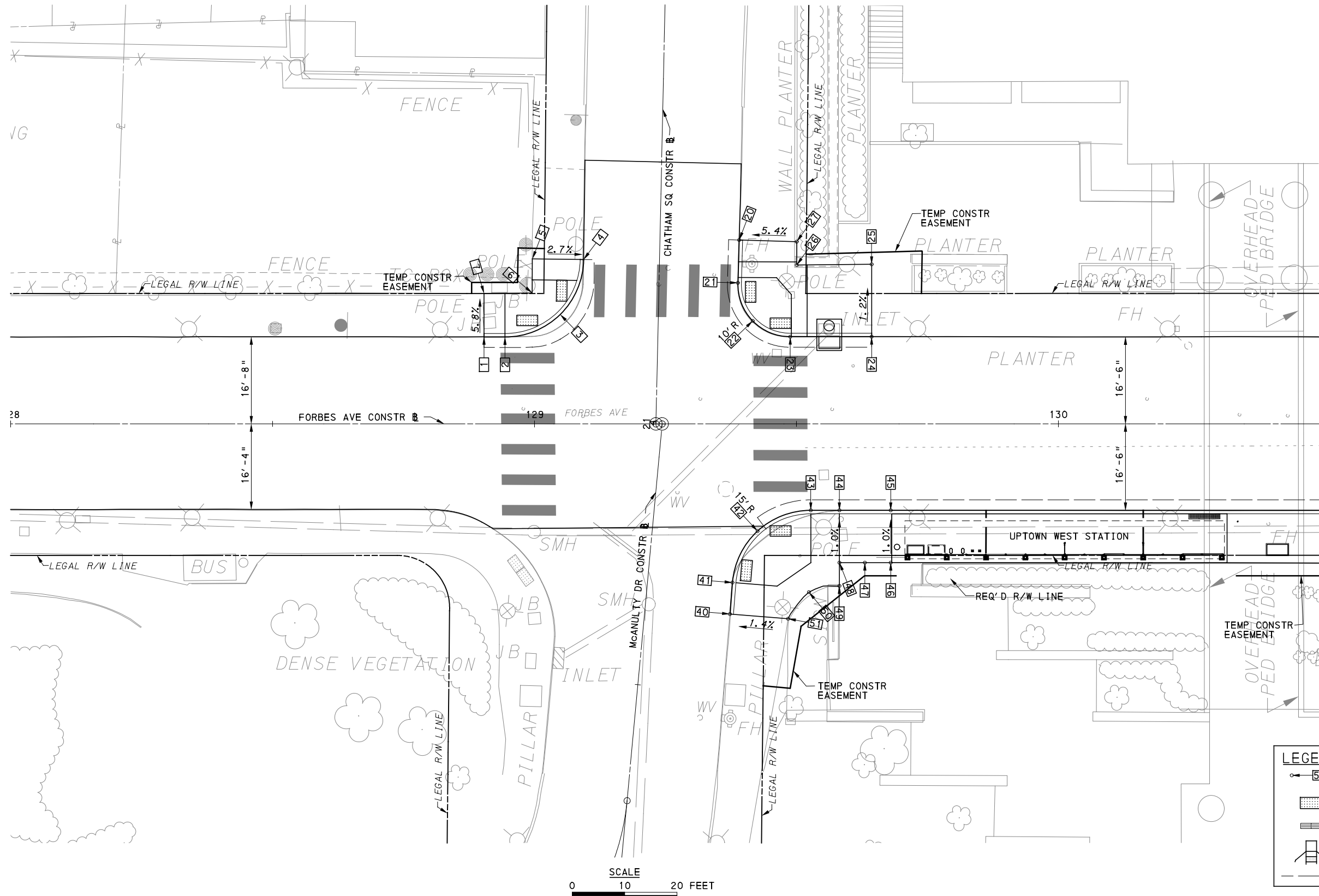
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 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FORBES AVE & ARMSTRONG TUNNEL

	CONTRACT NO. BRT-001	
	DWG. NO. ID63	SHT. 239



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE

SCALE
 0 10 20 FEET

[FOR ROADWAY PLAN SEE SHEET 384]

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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 INTERSECTION DETAILS
 FORBES AVE & CHATHAM SQ

Port Authority
 connecting people to life™

CONTRACT NO. BRT-001	
DWG. NO. ID64	SHT. 240

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FORBES AVE	POT	128+90.36	16.59' LT	[799.25]	[799.50*]	-
2	FORBES AVE	PC	128+94.36	16.58' LT	799.29	*	-
3	CHATHAM SQ	POC	21+20.49	18.72' LT	798.87	*	-
4	CHATHAM SQ	PT	21+31.06	14.47' LT	[797.70]	[798.12*]	-
5	FORBES AVE	POT	128+99.58	31.51' LT	-	-	[798.38]
6	FORBES AVE	POT	128+99.57	24.99' LT	-	-	798.93
7	FORBES AVE	POT	128+90.38	24.92' LT	-	-	[799.02]

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
20	CHATHAM SQ	POT	21+35.43	15.12' RT	[797.59]	[797.86]	-
21	CHATHAM SQ	PC	21+27.25	15.06' RT	798.68	*	-
22	CHATHAM SQ	POC	21+20.06	18.04' RT	799.54	*	-
23	FORBES AVE	PT	129+48.82	16.63' LT	799.99	*	-
24	FORBES AVE	POT	129+64.35	16.64' LT	[800.20]	[800.27]	-
25	FORBES AVE	POT	129+64.36	30.46' LT	-	-	800.10
26	FORBES AVE	POT	129+50.06	30.32' LT	-	-	799.08
27	FORBES AVE	POT	129+50.05	34.78' LT	-	-	798.45

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
40	McANULTY DR	POT	3+65.06	16.24' RT	[801.29]	[801.74]	-
41	McANULTY DR	PC	3+71.08	16.17' RT	800.94	*	-
42	McANULTY DR	POC	3+81.30	20.02' RT	800.34	*	-
43	FORBES AVE	PT	129+52.74	16.50' RT	800.32	*	-
44	FORBES AVE	POT	129+58.20	16.50' RT	800.45	800.79	-
45	FORBES AVE	POT	129+68.00	16.50' RT	[800.57]	[800.81]	-
46	FORBES AVE	POT	129+68.00	26.50' RT	-	-	[801.04]
47	FORBES AVE	POT	129+63.06	26.50' RT	-	-	801.00
48	FORBES AVE	POT	129+58.20	26.50' RT	-	-	800.92
49	FORBES AVE	POT	129+58.20	30.93' RT	-	-	800.98
50	FORBES AVE	POT	129+52.37	32.13' RT	-	-	801.26
51	FORBES AVE	POT	129+48.39	37.20' RT	-	-	[801.90]

NOTE:
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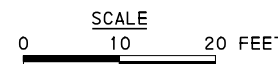
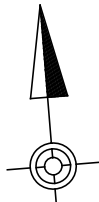
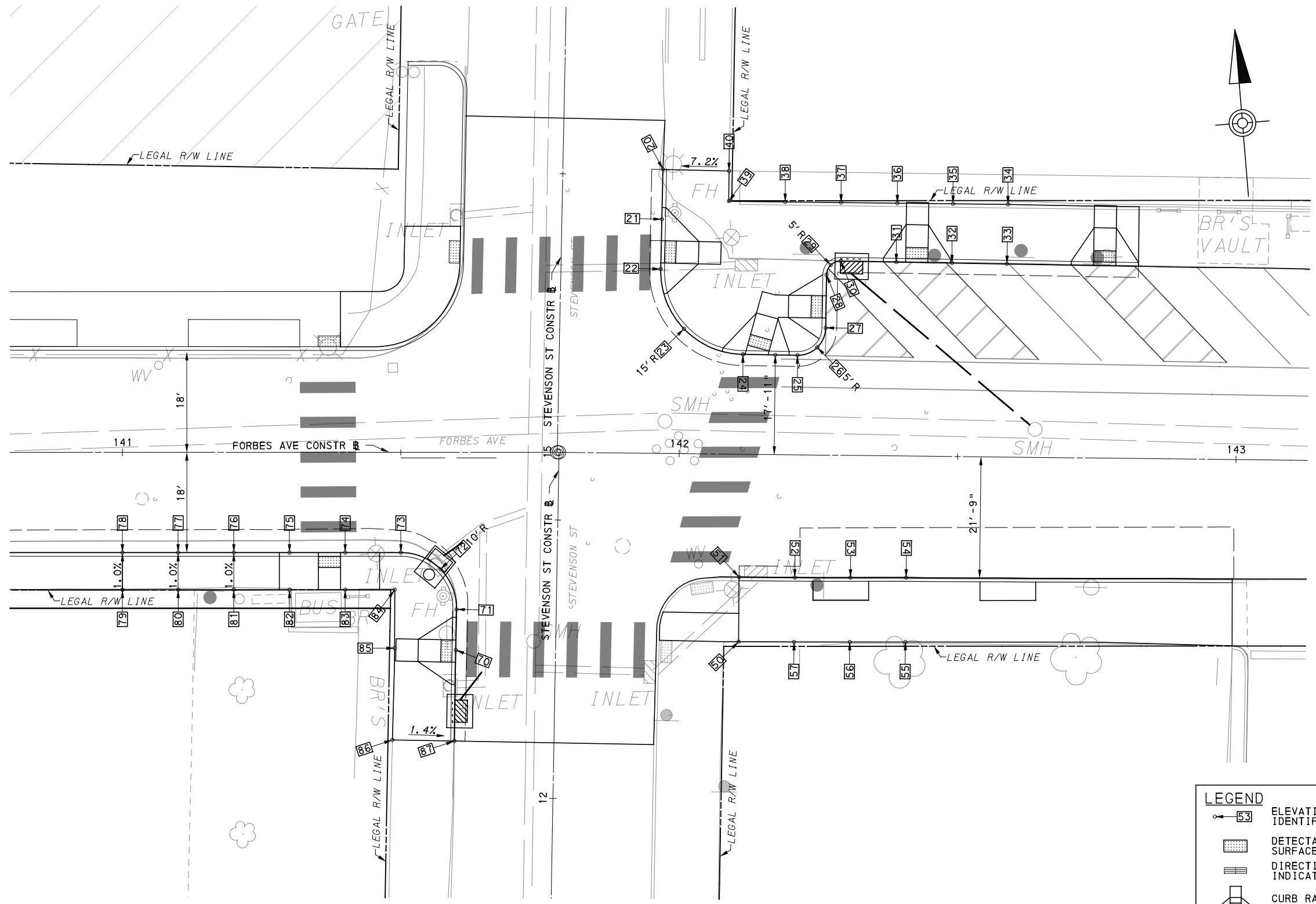
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BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FORBES AVE & CHATHAM SQ	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ID65 SHT. 241



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE

[FOR ROADWAY PLAN SEE SHEET 386]

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FORBES AVE & STEVENSON ST	
Port Authority connecting people to life	CONTRACT NO. BRT-001
DWG. NO. ID66	SHT. 242

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
20	STEVENSON ST	POT	15+51.14	17.98' RT	[798.96]	[799.03]	-
21	STEVENSON ST	POT	15+42.21	17.95' RT	799.02	*	-
22	STEVENSON ST	PC	15+33.27	17.92' RT	799.13	*	-
23	STEVENSON ST	POC	15+22.61	22.32' RT	799.24	799.57	-
24	FORBES AVE	PT	142+11.26	17.92' LT	799.41	*	-
25	FORBES AVE	PC	142+21.05	17.88' LT	799.50	*	-
26	FORBES AVE	POC	142+24.59	19.33' LT	799.49	799.82	-
27	FORBES AVE	PT	142+26.07	22.86' LT	799.42	-	-
28	FORBES AVE	PC	142+26.12	32.38' LT	799.33	*	-
29	FORBES AVE	POC	142+26.86	34.14' LT	799.29	-	-
30	FORBES AVE	PT	142+28.63	34.87' LT	799.25	-	-
31	FORBES AVE	POT	142+38.63	34.80' LT	799.3	*	-
32	FORBES AVE	POT	142+48.63	34.73' LT	799.48	709.81	-
33	FORBES AVE	POT	142+58.50	34.66' LT	799.71	800.04	-
34	FORBES AVE	POT	142+58.57	45.38' LT	-	-	800.6
35	FORBES AVE	POT	142+48.70	45.38' LT	-	-	800.41
36	FORBES AVE	POT	142+38.70	45.38' LT	-	-	800.17
37	FORBES AVE	POT	142+28.60	45.38' LT	-	-	800.02
38	FORBES AVE	POT	142+18.56	45.38' LT	-	-	799.84
39	FORBES AVE	POT	142+08.42	45.38' LT	-	-	799.65
40	FORBES AVE	POT	142+08.42	50.82' LT	-	-	799.89

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
70	STEVENSON ST	POT	12+26.33	17.90' LT	[800.18]	*	-
71	STEVENSON ST	PC	12+33.63	17.91' LT	800.07	*	-
72	STEVENSON ST	POC	12+40.78	20.89' LT	799.70	*	-
73	FORBES AVE	PT	141+50.01	18.00' RT	799.73	*	-
74	FORBES AVE	POT	141+40.01	18.00' RT	799.76	*	-
75	FORBES AVE	POT	141+30.01	18.00' RT	799.84	*	-
76	FORBES AVE	POT	141+20.01	18.00' RT	799.99	800.32	-
77	FORBES AVE	POT	141+10.01	18.00' RT	800.16	800.50	-
78	FORBES AVE	POT	141+00.01	18.00' RT	800.36	800.70	-
79	FORBES AVE	POT	141+00.01	24.67' RT	-	-	800.76
80	FORBES AVE	POT	141+10.01	24.67' RT	-	-	800.56
81	FORBES AVE	POT	141+20.01	24.67' RT	-	-	800.38
82	FORBES AVE	POT	141+30.01	24.67' RT	-	-	800.25
83	FORBES AVE	POT	141+40.01	24.67' RT	-	-	800.19
84	FORBES AVE	POT	141+48.92	24.67' RT	-	-	[800.40]
85	FORBES AVE	POT	141+48.90	35.17' RT	-	-	[800.82]
86	STEVENSON ST	POT	12+10.00	29.02' LT	-	-	[801.52]
87	STEVENSON ST	POT	12+10.00	17.87' LT	[801.22]	[801.36]	-

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
50	FORBES AVE	POT	142+11.04	33.66' RT	-	-	800.08
51	FORBES AVE	POT	142+11.00	22.04' RT	[799.4]	[799.98]	-
52	FORBES AVE	POT	142+21.00	22.01' RT	799.49	800.07	-
53	FORBES AVE	POT	142+31.00	21.93' RT	799.56	800.15	-
54	FORBES AVE	POT	142+41.00	21.82' RT	799.62	800.21	-
55	FORBES AVE	POT	142+41.00	33.39' RT	-	-	80.31
56	FORBES AVE	POT	142+31.00	33.49' RT	-	-	800.26
57	FORBES AVE	POT	142+21.00	33.59' RT	-	-	800.18

NOTE:
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 [] MATCH EXISTING ELEVATION



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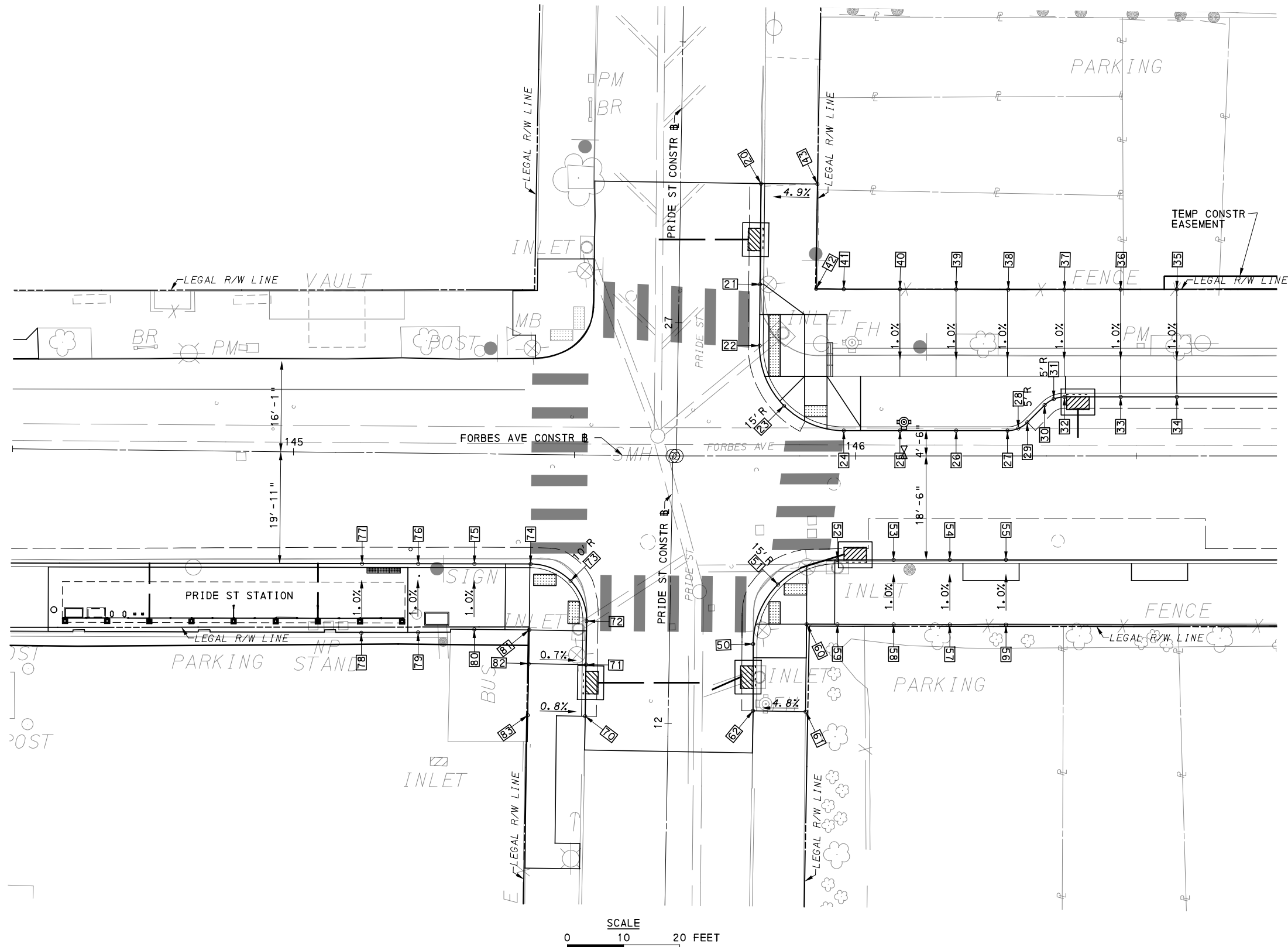
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FORBES AVE & STEVENSON ST	
Port Authority connecting people to life	CONTRACT NO. BRT-001
DWG. NO. ID67	SHT. 243



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE

[FOR ROADWAY PLAN SEE SHEET 387]

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FORBES AVE & PRIDE ST		
Port Authority connecting people to life	CONTRACT NO. BRT-001	
	DWG. NO. ID68	SHT. 244

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
20	PRIDE ST	POT	27+25.00	14.29' LT	[805.35]	[805.90]	-
21	PRIDE ST	POT	27+07.09	14.40' LT	804.93	*	-
22	PRIDE ST	PC	26+96.15	14.48' LT	805.00	*	-
23	PRIDE ST	POC	26+85.53	18.99' LT	805.08	*	-
24	FORBES AVE	PT	145+97.96	4.50' LT	805.16	*	-
25	FORBES AVE	POT	146+07.96	4.50' LT	805.36	805.77	-
26	FORBES AVE	POT	146+17.96	4.50' LT	805.55	805.97	-
27	FORBES AVE	PC	146+27.10	4.50' LT	805.74	806.15	-
28	FORBES AVE	POC	146+29.02	4.88' LT	805.78	806.19	-
29	FORBES AVE	PT	146+30.64	5.96' LT	805.79	806.21	-
30	FORBES AVE	PC	146+33.71	9.04' LT	805.79	806.21	-
31	FORBES AVE	POC	146+35.33	10.12' LT	805.81	806.22	-
32	FORBES AVE	PT	146+37.25	10.5' LT	805.85	806.27	-
33	FORBES AVE	POT	146+47.25	10.5' LT	806.11	806.53	-
34	FORBES AVE	POT	146+57.25	10.5' LT	806.39	806.81	-
35	FORBES AVE	POT	146+57.25	29.66' LT	-	-	807.10
36	FORBES AVE	POT	146+47.25	29.63' LT	-	-	806.88
37	FORBES AVE	POT	146+37.25	29.61' LT	-	-	806.53
38	FORBES AVE	POT	146+27.25	29.61' LT	-	-	806.36
39	FORBES AVE	POT	146+17.96	29.64' LT	-	-	806.2
40	FORBES AVE	POT	146+07.96	29.67' LT	-	-	806.01
41	FORBES AVE	POT	145+97.96	29.69' LT	-	-	805.72
42	FORBES AVE	POT	145+93.06	29.75' LT	-	-	805.48
43	FORBES AVE	POT	145+93.08	39.81' LT	-	-	[805.72]

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
70	PRIDE ST	POT	12+01.01	14.78' LT	[804.39]	[804.66]	-
71	PRIDE ST	POT	12+10.19	14.79' LT	804.09	804.45	-
72	PRIDE ST	PC	12+17.95	14.81' LT	803.92	*	-
73	FORBES AVE	POC	145+49.57	22.42' RT	803.89	*	-
74	FORBES AVE	PT	145+42.42	19.51' RT	803.58	*	-
75	FORBES AVE	POT	145+32.42	19.60' RT	803.47	804.06	-
76	FORBES AVE	POT	145+22.42	19.69' RT	803.32	803.9	-
77	FORBES AVE	POT	145+12.42	19.78' RT	803.19	803.77	-
78	FORBES AVE	POT	145+12.42	32.07' RT	-	-	803.89
79	FORBES AVE	POT	145+22.53	31.90' RT	-	-	804.02
80	FORBES AVE	POT	145+32.53	31.26' RT	-	-	804.16
81	FORBES AVE	POT	145+42.31	31.25' RT	-	-	804.32
82	FORBES AVE	POT	145+42.27	37.24' RT	-	-	804.55
83	FORBES AVE	POT	145+42.21	46.43' RT	-	-	[804.73]

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
50	PRIDE ST	PC	12+14.38	14.90' RT	805.14	*	-
51	PRIDE ST	POC	12+25.05	19.11' RT	805.14	*	-
52	FORBES AVE	PT	145+96.83	18.50' RT	804.77	*	-
53	FORBES AVE	POT	146+06.83	18.50' RT	804.98	805.31	-
54	FORBES AVE	POT	146+16.83	18.50' RT	805.17	805.50	-
55	FORBES AVE	POT	146+26.83	18.50' RT	805.37	805.71	-
56	FORBES AVE	POT	146+26.83	30.02' RT	-	-	805.81
57	FORBES AVE	POT	146+16.83	30.00' RT	-	-	805.61
58	FORBES AVE	POT	146+06.83	29.98' RT	-	-	805.42
59	FORBES AVE	POT	145+96.83	29.96' RT	-	-	805.28
60	FORBES AVE	POT	145+91.34	29.95' RT	-	-	805.19
61	FORBES AVE	POT	145+91.16	45.52' RT	-	-	[805.57]
62	PRIDE ST	POT	12+02.50	15.08' RT	[804.74]	[805.15]	-

NOTE:
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 [] MATCH EXISTING ELEVATION



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DRAWN	TCG
CHECKED	KCF
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FORBES AVE & PRIDE ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. ID69	SHT. 245

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FORBES AVE	POT	147+65.87	4.50' LT	809.29	809.50	-
2	FORBES AVE	POT	147+75.87	4.50' LT	809.52	809.73	-
3	FORBES AVE	POT	147+85.87	4.50' LT	809.75	810.17	-
4	FORBES AVE	POT	147+95.87	4.50' LT	809.98	*	-
5	FORBES AVE	PC	148+04.30	4.50' LT	810.19	*	-
6	MARION ST	POC	20+00.27	10.84' LT	810.43	*	-
7	MARION ST	PT	20+10.64	6.73' LT	810.49	*	-
8	MARION ST	POT	20+20.64	6.78' LT	810.58	*	-
9	MARION ST	PC	20+25.75	6.79' LT	810.71	811.04	-
10	MARION ST	POC	20+27.67	7.18' LT	810.76	811.09	-
11	MARION ST	PT	20+29.28	8.27' LT	810.76	811.09	-
12	MARION ST	PC	20+34.34	13.36' LT	810.71	811.04	-
13	MARION ST	POC	20+35.96	14.45' LT	810.73	811.06	-
14	MARION ST	PT	20+37.87	14.84' LT	810.79	811.12	-
15	MARION ST	POT	20+42.86	14.86' LT	[811.02]	[811.41]	-
16	FORBES AVE	POT	148+01.57	51.79' LT	-	-	[811.70]
17	FORBES AVE	POT	148+01.37	41.56' LT	-	-	811.49
18	FORBES AVE	POT	148+03.08	41.55' LT	-	-	811.48
19	FORBES AVE	POT	148+02.99	38.55' LT	-	-	811.27
20	FORBES AVE	POT	148+03.73	38.59' LT	-	-	811.23
21	FORBES AVE	POT	148+03.74	35.20' LT	-	-	810.93
22	FORBES AVE	POT	148+02.99	35.20' LT	-	-	810.93
23	FORBES AVE	POT	148+02.99	32.35' LT	-	-	810.65
24	FORBES AVE	POT	148+01.20	32.39' LT	-	-	810.64
25	FORBES AVE	POT	148+01.13	28.58' LT	-	-	810.52
26	FORBES AVE	POT	147+90.61	28.78' LT	-	-	810.07
27	FORBES AVE	POT	147+75.86	29.67' LT	-	-	809.98
28	FORBES AVE	POT	147+65.87	29.86' LT	-	-	809.77
29	FORBES AVE	POT	147+55.86	30.05' LT	-	-	809.57
30	FORBES AVE	POT	147+55.86	4.50' LT	809.06	809.27	-

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
35	MARION ST	POT	20+21.78	14.73' RT	810.94	[811.21]	-
36	MARION ST	PC	20+11.10	15.10' RT	810.78	*	-
37	MARION ST	POC	20+00.72	19.78' RT	811.13	*	-
38	MARION ST	PT	148+55.67	4.50' LT	811.50	*	-
39	MARION ST	POT	148+68.10	4.50' LT	811.80	812.14	-
40	MARION ST	POT	148+75.67	4.50' LT	811.99	812.32	-
41	MARION ST	PC	148+77.94	4.50' LT	812.04	812.37	-
42	MARION ST	POC	148+79.85	4.88' LT	812.08	812.41	-
43	MARION ST	PT	148+81.48	5.97' LT	812.09	812.41	-
44	FORBES AVE	PC	148+84.54	9.03' LT	812.10	812.40	-
45	FORBES AVE	POC	148+86.16	10.12' LT	812.09	812.43	-
46	FORBES AVE	PT	148+88.08	10.50' LT	812.12	812.46	-
47	FORBES AVE	POT	148+98.08	10.50' LT	812.36	812.69	-
48	FORBES AVE	POT	149+08.08	10.50' LT	812.62	812.95	-
49	FORBES AVE	POT	149+18.08	10.50' LT	812.88	813.22	-
50	FORBES AVE	POT	149+18.08	29.26' LT	-	-	813.01
51	FORBES AVE	POT	149+08.08	29.24' LT	-	-	812.78
52	FORBES AVE	POT	148+98.08	29.21' LT	-	-	812.59
53	FORBES AVE	POT	148+88.08	29.18' LT	-	-	812.46
54	FORBES AVE	POT	148+77.98	29.30' LT	-	-	812.21
55	FORBES AVE	POT	148+67.88	29.48' LT	-	-	811.89
56	FORBES AVE	POT	148+50.74	29.71' LT	-	-	811.40
57	FORBES AVE	POT	148+50.88	37.48' LT	-	-	[811.63]
58	MARION ST	POT	20+29.50	14.72' RT	[810.94]	[811.21]	-

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
70	MARION ST	PC	12+50.27	14.68' LT	810.05	*	-
71	MARION ST	POC	12+61.07	19.13' LT	810.06	*	-
72	FORBES AVE	PT	147+95.13	18.50' RT	809.60	*	-
73	FORBES AVE	POT	147+85.13	18.50' RT	809.37	809.71	-
74	FORBES AVE	POT	147+75.13	18.50' RT	809.14	809.48	-
75	FORBES AVE	POT	147+65.13	18.50' RT	808.91	809.25	-
76	FORBES AVE	POT	147+65.13	30.24' RT	-	-	809.36
77	FORBES AVE	POT	147+75.55	30.24' RT	-	-	809.59
78	FORBES AVE	POT	147+75.56	25.87' RT	-	-	809.56
79	FORBES AVE	POT	147+85.13	25.93' RT	-	-	809.77
80	FORBES AVE	POT	147+89.38	30.23' RT	-	-	809.91
81	FORBES AVE	POT	147+99.93	30.23' RT	-	-	810.54
82	FORBES AVE	POT	147+99.77	39.15' RT	-	-	810.64
83	MARION ST	POT	12+44.85	14.73' LT	810.00	810.60	-
84	FORBES AVE	POT	147+99.70	44.00' RT	-	-	[810.69]
85	MARION ST	POT	12+40.04	14.78' LT	[809.97]	[810.60]	-

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
86	MARION ST	PC	12+51.34	14.88' RT	810.73	*	-
87	MARION ST	POC	12+62.00	19.08' RT	810.85	*	-
88	FORBES AVE	PT	148+54.69	18.50' RT	811.11	*	-
89	FORBES AVE	POT	148+64.69	18.50' RT	811.36	811.69	-
90	FORBES AVE	POT	148+74.69	18.50' RT	811.60	811.94	-
91	FORBES AVE	POT	148+84.69	18.50' RT	811.85	812.18	-
92	FORBES AVE	POT	148+84.69	30.34' RT	-	-	812.29
93	FORBES AVE	POT	148+74.69	30.35' RT	-	-	812.05
94	FORBES AVE	POT	148+64.69	30.31' RT	-	-	811.80
95	FORBES AVE	POT	148+56.51	30.23' RT	-	-	811.60
96	FORBES AVE	POT	148+49.65	35.83' RT	-	-	811.31
97	FORBES AVE	POT	148+49.66	36.41' RT	-	-	[811.32]
98	MARION ST	POT	12+48.33	14.92' LT	[810.65]	[810.71*]	-

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM # 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



NO.	DATE	DESCRIPTION
REVISIONS		

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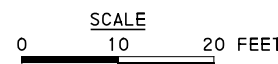
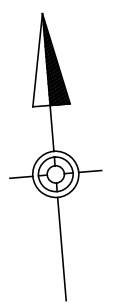
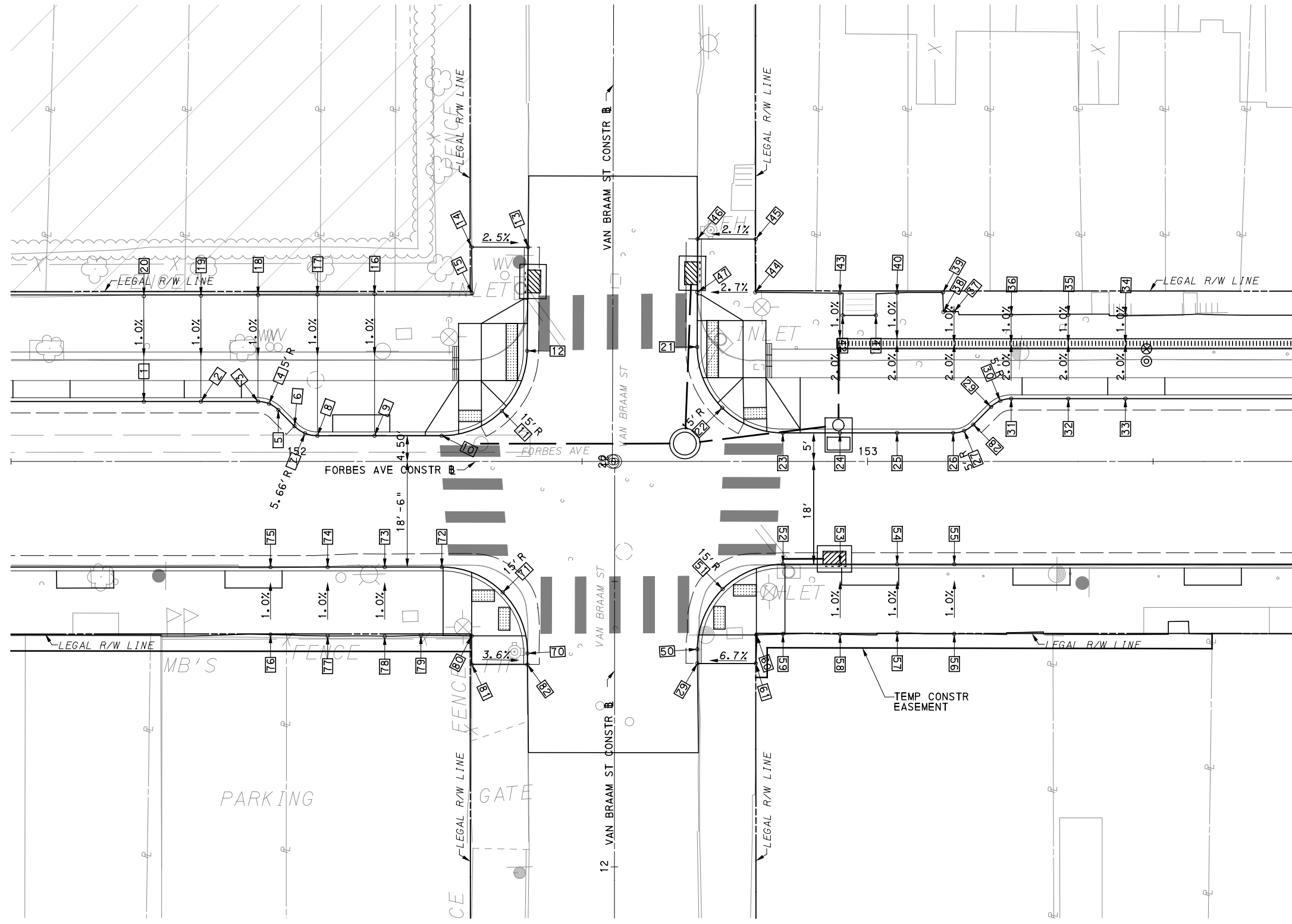
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FORBES AVE & MARION ST

Port Authority connecting people to life®

CONTRACT NO. BRT-001
 DWG. NO. ID71 SHT. 247



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE

FOR ROADWAY PLAN SEE SHEET 388

AECOM
 Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

GANNETT FLEMING
 GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FORBES AVE & VAN BRAAM ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ID72 SHT. 248

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FORBES AVE	POT	151+73.26	10.50' LT	819.51	819.85	-
2	FORBES AVE	POT	151+83.26	10.50' LT	819.78	820.11	-
3	FORBES AVE	PC	151+93.26	10.50' LT	820.06	820.39	-
4	FORBES AVE	POC	151+95.18	10.12' LT	820.12	820.46	-
5	FORBES AVE	PT	151+96.80	9.03' LT	820.19	820.57	-
6	FORBES AVE	PC	151+99.65	6.17' LT	820.42	820.71	-
7	FORBES AVE	POC	152+01.49	4.93' LT	820.43	820.76	-
8	FORBES AVE	PT	152+03.66	4.50' LT	820.49	820.82	-
9	FORBES AVE	POT	152+13.66	4.50' LT	820.72	821.06	-
10	FORBES AVE	PC	152+25.40	4.50' LT	820.99	*	-
11	FORBES AVE	POC	152+35.96	8.85' LT	821.12	*	-
12	VAN BRAAM ST	PT	20+19.34	14.96' LT	821.28	*	-
13	VAN BRAAM ST	POT	20+37.50	14.86' LT	[821.68]	[821.87]	-
14	FORBES AVE	POT	152+30.67	37.57' LT	-	-	[822.10]
15	FORBES AVE	POT	152+25.42	29.45' LT	-	-	821.81
16	FORBES AVE	POT	152+13.66	29.34' LT	-	-	821.30
17	FORBES AVE	POT	152+03.66	29.25' LT	-	-	821.05
18	FORBES AVE	POT	151+93.26	29.15' LT	-	-	820.57
19	FORBES AVE	POT	151+83.26	29.06' LT	-	-	820.29
20	FORBES AVE	POT	151+73.26	28.97' LT	-	-	820.20

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
21	VAN BRAAM ST	PC	20+20.10	14.80' RT	821.63	*	-
22	VAN BRAAM ST	POC	20+09.47	19.20' RT	821.84	*	-
23	FORBES AVE	PT	152+85.16	5.00' LT	822.19	*	-
24	FORBES AVE	POT	152+95.16	5.00' LT	822.36	822.70	-
25	FORBES AVE	POT	153+05.16	5.00' LT	822.57	822.91	-
26	FORBES AVE	PC	153+14.99	5.00' LT	822.80	823.14	-
27	FORBES AVE	POC	153+16.90	5.38' LT	822.84	823.15	-
28	FORBES AVE	PT	153+18.52	6.46' LT	822.84	823.16	-
29	FORBES AVE	PC	153+21.62	9.54' LT	822.85	823.18	-
30	FORBES AVE	POC	153+23.24	10.62' LT	822.85	823.18	-
31	FORBES AVE	PT	153+25.15	11.00' LT	822.88	823.20	-
32	FORBES AVE	POT	153+35.15	11.00' LT	823.10	823.43	-
33	FORBES AVE	POT	153+45.15	11.00' LT	823.34	823.67	-
34	FORBES AVE	POT	153+45.15	25.56' LT	-	-	823.87
35	FORBES AVE	POT	153+35.15	25.78' LT	-	-	823.44
36	FORBES AVE	POT	153+25.15	25.71' LT	-	-	822.97
37	FORBES AVE	POT	153+15.15	26.25' LT	-	-	822.55
38	FORBES AVE	POT	153+13.27	26.18' LT	-	-	822.51
39	FORBES AVE	POT	153+13.17	29.61' LT	-	-	822.68
40	FORBES AVE	POT	153+05.15	29.52' LT	-	-	822.38
41	FORBES AVE	POT	153+01.46	25.59' LT	-	-	822.13
42	FORBES AVE	POT	152+95.63	25.59' LT	-	-	821.97
43	FORBES AVE	POT	152+95.15	29.48' LT	-	-	822.07
44	FORBES AVE	POT	152+80.33	29.63' LT	-	-	822.19
45	VAN BRAAM ST	POT	20+39.02	24.91' RT	-	-	[822.45]
46	VAN BRAAM ST	POT	20+39.02	14.81' RT	[822.07]	[822.32]	-
47	VAN BRAAM ST	POT	20+29.70	14.81' RT	821.85	821.93*	-

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
70	VAN BRAAM ST	PT	12+37.38	15.25' LT	820.32	*	-
71	VAN BRAAM ST	POC	12+48.06	19.61' LT	820.76	*	-
72	FORBES AVE	PC	152+25.44	18.50' RT	820.63	*	-
73	FORBES AVE	POT	152+15.44	18.50' RT	820.40	820.74	-
74	FORBES AVE	POT	152+05.44	18.50' RT	820.17	820.51	-
75	FORBES AVE	POT	151+95.44	18.50' RT	819.93	820.26	-
76	FORBES AVE	POT	151+95.44	30.32' RT	-	-	820.37
77	FORBES AVE	POT	152+05.44	30.55' RT	-	-	820.62
78	FORBES AVE	POT	152+15.43	30.59' RT	-	-	820.85
79	FORBES AVE	POT	152+21.77	30.47' RT	-	-	820.99
80	FORBES AVE	POT	152+30.66	30.56' RT	-	-	820.99
81	FORBES AVE	POT	152+30.68	35.56' RT	-	-	[820.83]
82	VAN BRAAM ST	POT	12+35.44	15.25' LT	[820.25]	[820.50*]	-

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
50	VAN BRAAM ST	PC	12+38.13	14.49' RT	820.75	*	-
51	VAN BRAAM ST	POC	12+48.67	18.91' RT	821.43	*	-
52	FORBES AVE	PT	152+85.18	18.00' RT	821.82	*	-
53	FORBES AVE	POT	152+95.18	18.00' RT	821.89	822.23	-
54	FORBES AVE	POT	153+05.18	18.00' RT	822.10	822.44	-
55	FORBES AVE	POT	153+15.18	18.00' RT	822.34	822.67	-
56	FORBES AVE	POT	153+15.19	30.20' RT	-	-	822.79
57	FORBES AVE	POT	153+05.18	30.06' RT	-	-	822.55
58	FORBES AVE	POT	152+95.18	30.27' RT	-	-	822.34
59	FORBES AVE	POT	152+85.18	30.25' RT	-	-	822.23
60	FORBES AVE	POT	152+80.52	30.38' RT	-	-	821.89
61	FORBES AVE	POT	152+80.42	35.38' RT	-	-	[821.53]
62	VAN BRAAM ST	POT	12+35.65	14.49' RT	[820.62]	[820.89*]	-

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM # 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219



GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

DESIGNED	TCG
DRAWN	TCG
CHECKED	KCF
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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

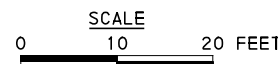
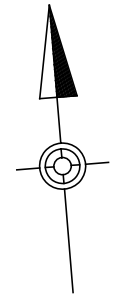
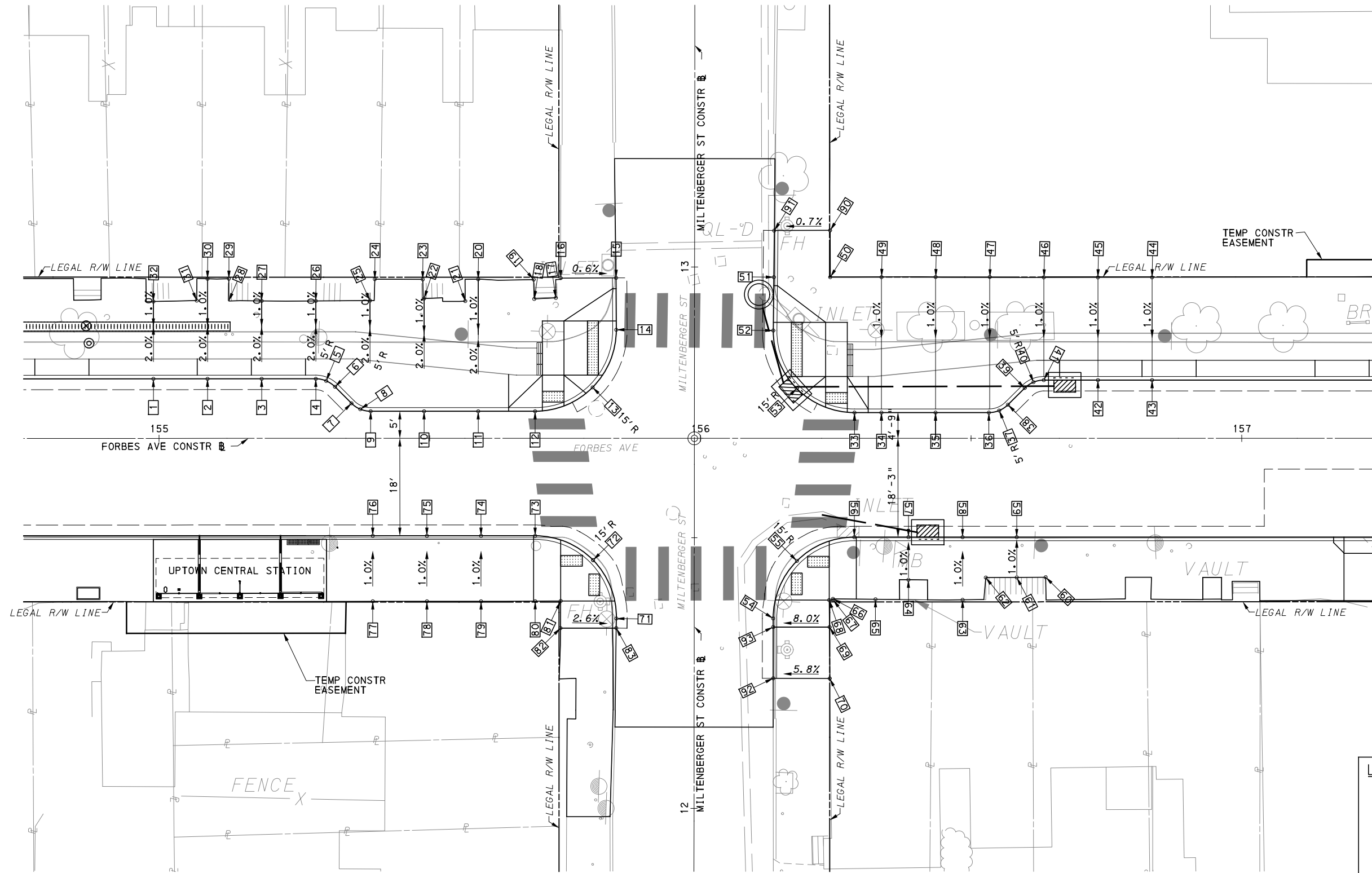
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FORBES AVE & VAN BRAAM ST



CONTRACT NO. BRT-001

DWG. NO. ID73

SHT. 249



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE

FOR ROADWAY PLAN SEE SHEET 389

AECOM
Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219

GANNETT FLEMING
GANNETT FLEMING, INC.
Foster Plaza 8
Suite 400
730 Holiday Drive
Pittsburgh, PA. 15220

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FORBES AVE & MILTENBERGER ST	
Port Authority connecting people to life®	CONTRACT NO. BRT-001
	DWG. NO. ID74 SHT. 250

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FORBES AVE	POT	154+98.96	11.00' LT	827.22	827.55	-
2	FORBES AVE	POT	155+08.96	11.00' LT	827.47	827.80	-
3	FORBES AVE	POT	155+18.96	11.00' LT	827.72	828.06	-
4	FORBES AVE	PC	155+28.96	11.00' LT	827.99	828.31	-
5	FORBES AVE	POC	155+30.87	10.62' LT	828.05	828.38	-
6	FORBES AVE	PT	155+32.50	9.53' LT	828.12	828.46	-
7	FORBES AVE	PC	155+35.54	6.47' LT	828.28	828.63	-
8	FORBES AVE	POC	155+37.17	5.38' LT	828.35	828.68	-
9	FORBES AVE	PT	155+39.08	5.00' LT	828.41	828.73	-
10	FORBES AVE	POT	155+48.96	5.00' LT	828.66	829.00	-
11	FORBES AVE	POT	155+58.96	5.00' LT	828.96	829.29	-
12	FORBES AVE	PC	155+69.46	5.00' LT	829.27	*	-
13	MILTENBERGER ST	POC	12+77.74	18.81' LT	829.43	*	-
14	MILTENBERGER ST	PT	12+88.38	14.45' LT	829.49	*	-
15	MILTENBERGER ST	POT	12+97.97	14.50' LT	[829.51]	[829.79*]	-
16	FORBES AVE	POT	155+74.21	29.60' LT	-	-	[829.85]
17	FORBES AVE	POT	155+73.30	25.95' LT	-	-	829.65
18	FORBES AVE	POT	155+69.31	25.75' LT	-	-	829.43
19	FORBES AVE	POT	155+69.21	29.33' LT	-	-	829.45
20	FORBES AVE	POT	155+58.96	29.39' LT	-	-	829.12
21	FORBES AVE	POT	155+56.56	25.35' LT	-	-	828.96
22	FORBES AVE	POT	155+48.96	25.83' LT	-	-	828.73
23	FORBES AVE	POT	155+48.70	29.36' LT	-	-	828.73
24	FORBES AVE	POT	155+39.86	29.40' LT	-	-	828.61
25	FORBES AVE	POT	155+38.96	25.45' LT	-	-	828.44
26	FORBES AVE	POT	155+28.96	25.38' LT	-	-	828.05
27	FORBES AVE	POT	155+18.96	25.39' LT	-	-	827.81
28	FORBES AVE	POT	155+12.87	25.37' LT	-	-	827.80
29	FORBES AVE	POT	155+12.89	29.49' LT	-	-	827.93
30	FORBES AVE	POT	155+08.96	29.48' LT	-	-	827.75
31	FORBES AVE	POT	155+06.96	25.45' LT	-	-	827.62
32	FORBES AVE	POT	154+98.96	25.28' LT	-	-	827.46

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
71	MILTENBERGER ST	PT	12+35.05	14.38' LT	828.48	*	-
72	MILTENBERGER ST	POC	155+45.83	18.69' LT	828.91	*	-
73	FORBES AVE	PC	155+69.47	18.00' RT	828.91	*	-
74	FORBES AVE	POT	155+59.47	18.00' RT	828.50	828.84	-
75	FORBES AVE	POT	155+49.47	18.00' RT	828.21	828.54	-
76	FORBES AVE	POT	155+39.47	18.00' RT	827.95	828.29	-
77	FORBES AVE	POT	155+39.47	30.10' RT	-	-	828.40
78	FORBES AVE	POT	155+49.47	30.10' RT	-	-	828.65
79	FORBES AVE	POT	155+59.47	30.10' RT	-	-	828.95
80	FORBES AVE	POT	155+69.47	30.08' RT	-	-	829.25
81	FORBES AVE	POT	155+74.19	30.04' RT	-	-	829.06
82	FORBES AVE	POT	155+74.15	35.05' RT	-	-	[828.82]
83	MILTENBERGER ST	POT	12+33.28	14.41' LT	[828.38]	[828.57*]	-

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
33	FORBES AVE	PT	156+28.47	4.75' LT	830.63	*	-
34	FORBES AVE	POT	156+33.44	4.75' LT	830.70	*	-
35	FORBES AVE	POT	156+43.44	4.75' LT	830.86	831.19	-
36	FORBES AVE	PC	156+53.28	4.75' LT	831.00	831.33	-
37	FORBES AVE	POC	156+55.19	5.13' LT	831.01	831.34	-
38	FORBES AVE	PT	156+56.81	6.21' LT	831.02	831.35	-
39	FORBES AVE	PC	156+59.91	9.29' LT	831.03	831.36	-
40	FORBES AVE	POC	156+61.53	10.37' LT	831.04	831.37	-
41	FORBES AVE	PT	156+63.44	10.75' LT	831.05	831.38	-
42	FORBES AVE	POT	156+73.44	10.75' LT	831.20	831.54	-
43	FORBES AVE	POT	156+83.44	10.75' LT	831.38	831.71	-
44	FORBES AVE	POT	156+83.44	29.75' LT	-	-	831.90
45	FORBES AVE	POT	156+73.44	29.73' LT	-	-	831.72
46	FORBES AVE	POT	156+63.47	29.72' LT	-	-	831.56
47	FORBES AVE	POT	156+53.47	29.73' LT	-	-	831.59
48	FORBES AVE	POT	156+43.47	29.77' LT	-	-	831.44
49	FORBES AVE	POT	156+33.47	29.80' LT	-	-	831.28
50	FORBES AVE	POT	156+24.00	29.80' LT	-	-	830.77
51	MILTENBERGER ST	POT	12+98.12	14.65' RT	830.15	830.32*	-
52	MILTENBERGER ST	PC	12+88.12	14.55' RT	829.94	*	-
53	MILTENBERGER ST	POC	12+77.56	18.90' RT	830.27	*	-
90	FORBES AVE	POT	156+23.98	38.42' LT	-	-	[831.02]
91	MILTENBERGER ST	POT	13+06.75	14.74' RT	[830.46]	[830.94]	-

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
54	MILTENBERGER ST	PC	12+35.10	14.58' RT	829.04	*	-
55	MILTENBERGER ST	POC	12+45.72	18.95' RT	829.70	*	-
56	FORBES AVE	PT	156+28.43	18.25' RT	830.16	*	-
57	FORBES AVE	POT	156+38.43	18.25' RT	830.31	830.65	-
58	FORBES AVE	POT	156+48.43	18.25' RT	830.47	830.80	-
59	FORBES AVE	POT	156+58.43	18.25' RT	830.64	830.98	-
60	FORBES AVE	POT	156+63.77	29.66' RT	-	-	831.14
61	FORBES AVE	POT	156+58.43	25.96' RT	-	-	831.04
62	FORBES AVE	POT	156+52.71	25.73' RT	-	-	830.94
63	FORBES AVE	POT	156+48.43	29.84' RT	-	-	830.91
64	FORBES AVE	POT	156+38.43	29.79' RT	-	-	830.75
65	FORBES AVE	POT	156+32.34	29.73' RT	-	-	830.66
66	FORBES AVE	POT	156+24.49	29.65' RT	-	-	830.17
67	FORBES AVE	POT	156+24.52	29.87' RT	-	-	830.17
68	FORBES AVE	POT	156+23.79	29.88' RT	-	-	830.11
69	FORBES AVE	POT	156+23.84	34.86' RT	-	-	830.01
70	FORBES AVE	POT	156+23.92	44.36' RT	-	-	[829.39]
92	MILTENBERGER ST	POT	12+24.03	14.59' RT	[828.43]	[828.78]	-
93	MILTENBERGER ST	POT	12+33.49	14.58' RT	828.95	829.21*	-

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM # 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

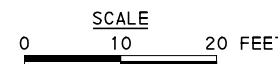
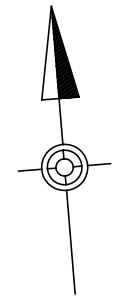
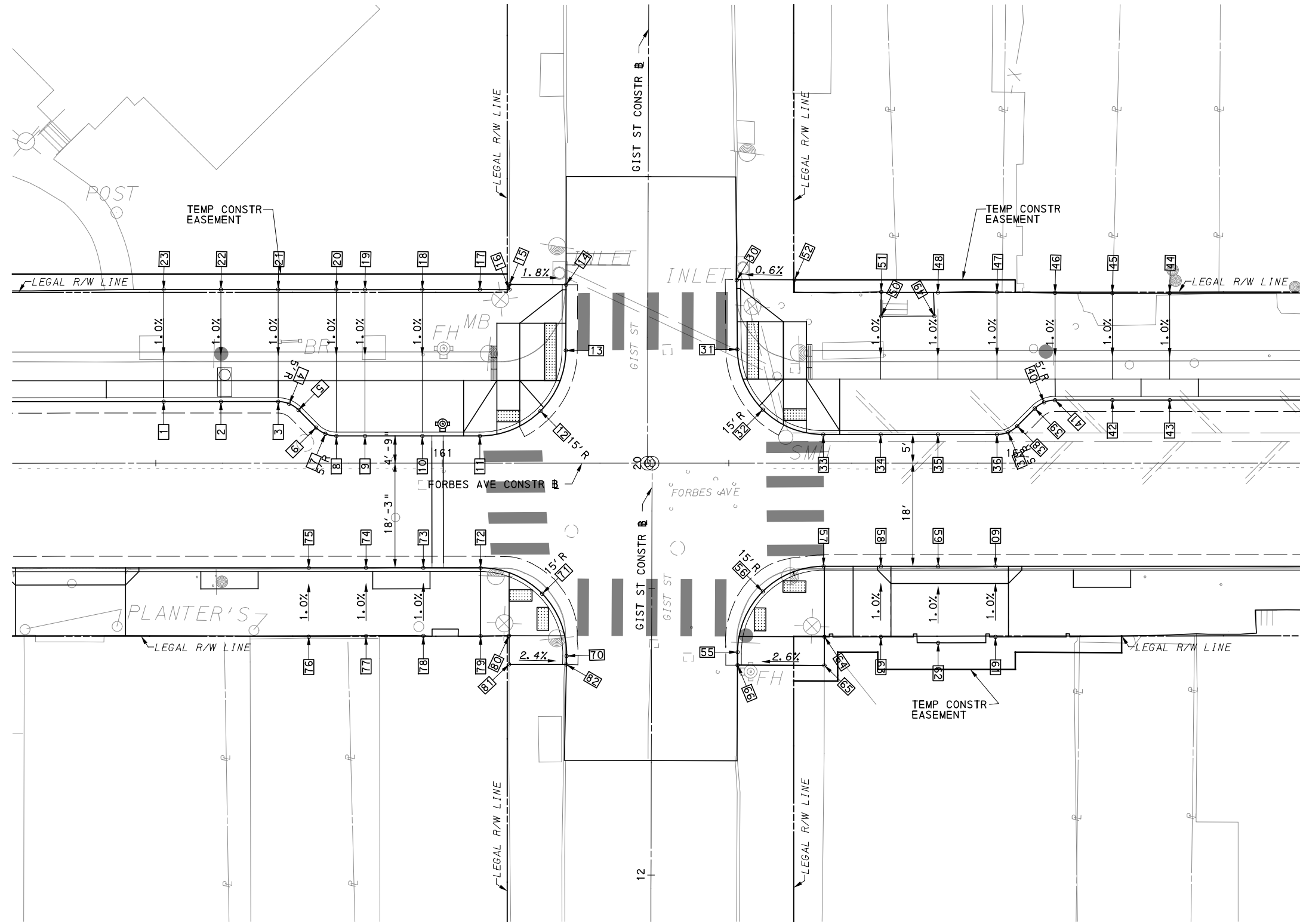
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA
 FORBES AVE & MILTENBERGER ST

Port Authority connecting people to life®

CONTRACT NO. BRT-001
 DWG. NO. ID75 SHT. 251



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE

FOR ROADWAY PLAN SEE SHEET 390

AECOM
 Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

GANNETT FLEMING
 GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FORBES AVE & GIST ST		
Port Authority connecting people to life	CONTRACT NO. BRT-001	
	DWG. NO. ID76	SHT. 252

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FORBES AVE	POT	160+51.36	10.75' LT	837.44	837.68	-
2	FORBES AVE	POT	160+61.36	10.75' LT	837.61	837.84	-
3	FORBES AVE	PC	160+71.36	10.75' LT	837.78	803.02	-
4	FORBES AVE	POC	160+73.28	10.37' LT	837.80	838.04	-
5	FORBES AVE	PT	160+74.90	9.29' LT	837.84	838.08	-
6	FORBES AVE	PC	160+77.97	6.21' LT	837.98	838.22	-
7	FORBES AVE	POC	160+79.59	5.13' LT	838.04	838.28	-
8	FORBES AVE	PT	160+81.51	4.75' LT	838.08	838.32	-
9	FORBES AVE	POT	160+86.51	4.75' LT	838.16	838.49	-
10	FORBES AVE	POT	160+96.51	4.75' LT	838.30	838.63	-
11	FORBES AVE	PC	161+06.55	4.75' LT	838.41	*	-
12	GIST ST	POC	20+09.07	18.70' LT	838.41	*	-
13	GIST ST	PT	20+19.64	14.31' LT	838.47	*	-
14	GIST ST	POT	20+31.12	14.28' LT	[838.77]	[839.11*]	-
15	FORBES AVE	POT	161+11.83	31.71' LT	-	-	[839.25]
16	FORBES AVE	POT	161+11.73	30.30' LT	-	-	839.20
17	FORBES AVE	POT	161+06.55	30.31' LT	-	-	838.99
18	FORBES AVE	POT	160+96.51	30.31' LT	-	-	838.88
19	FORBES AVE	POT	160+86.51	30.31' LT	-	-	838.74
20	FORBES AVE	POT	160+81.51	30.32' LT	-	-	838.66
21	FORBES AVE	POT	160+71.36	30.32' LT	-	-	838.30
22	FORBES AVE	POT	160+61.36	30.33' LT	-	-	838.10
23	FORBES AVE	POT	160+51.36	30.33' LT	-	-	837.95

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
30	GIST ST	POT	20+31.97	15.49' RT	[838.88]	[839.29*]	-
31	GIST ST	PC	20+19.90	15.63' RT	838.51	*	-
32	GIST ST	POC	20+09.40	20.1' RT	838.39	*	-
33	FORBES AVE	PT	161+66.49	5.00' LT	838.30	*	-
34	FORBES AVE	POT	161+76.50	5.00' LT	838.17	838.50	-
35	FORBES AVE	POT	161+86.49	5.00' LT	837.96	838.29	-
36	FORBES AVE	PC	161+96.80	5.00' LT	837.74	838.06	-
37	FORBES AVE	POC	161+98.72	5.38' LT	837.68	838.01	-
38	FORBES AVE	PT	162+00.34	6.47' LT	837.62	837.97	-
39	FORBES AVE	PC	162+03.40	9.53' LT	837.46	837.79	-
40	FORBES AVE	POC	162+05.02	10.62' LT	837.40	837.73	-
41	FORBES AVE	PT	162+06.94	11.00' LT	837.35	837.68	-
42	FORBES AVE	POT	162+16.94	11.00' LT	837.13	837.47	-
43	FORBES AVE	POT	162+26.94	11.00' LT	836.92	837.26	-
44	FORBES AVE	POT	162+26.94	29.66' LT	-	-	837.43
45	FORBES AVE	POT	162+16.94	25.65' LT	-	-	837.61
46	FORBES AVE	POT	162+06.94	29.7' LT	-	-	837.87
47	FORBES AVE	POT	161+96.80	29.85' LT	-	-	837.88
48	FORBES AVE	POT	161+86.49	29.79' LT	-	-	838.18
49	FORBES AVE	POT	161+85.88	25.66' LT	-	-	838.06
50	FORBES AVE	POT	161+76.61	25.64' LT	-	-	838.40
51	FORBES AVE	POT	161+76.60	29.89' LT	-	-	838.47
52	FORBES AVE	POT	161+61.48	32.00' LT	-	-	[839.35]

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
70	GIST ST	PT	12+38.21	14.84' LT	837.18	*	-
71	GIST ST	POC	12+49.06	19.12' LT	837.85	*	-
72	FORBES AVE	PC	161+06.69	18.25' RT	838.05	*	-
73	FORBES AVE	POT	160+96.69	18.25' RT	837.83	838.16	-
74	FORBES AVE	POT	160+86.69	18.25' RT	837.69	838.02	-
75	FORBES AVE	POT	160+76.69	18.25' RT	837.55	837.88	-
76	FORBES AVE	POT	160+76.69	30.27' RT	-	-	838.00
77	FORBES AVE	POT	160+86.69	30.17' RT	-	-	838.13
78	FORBES AVE	POT	160+96.69	30.13' RT	-	-	838.25
79	FORBES AVE	POT	161+06.69	30.17' RT	-	-	838.39
80	FORBES AVE	POT	161+11.66	30.10' RT	-	-	837.98
81	FORBES AVE	POT	161+11.67	35.11' RT	-	-	[837.62]
82	GIST ST	POT	12+36.72	14.87' LT	[837.09]	[837.39*]	-

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
55	GIST ST	PC	12+38.94	15.00' RT	837.38	*	-
56	GIST ST	POC	12+49.55	19.38' RT	837.91	*	-
57	FORBES AVE	PT	161+66.53	18.00' RT	837.94	*	-
58	FORBES AVE	POT	161+76.53	18.00' RT	837.81	838.14	-
59	FORBES AVE	POT	161+86.53	18.00' RT	837.59	837.93	-
60	FORBES AVE	POT	161+96.53	18.00' RT	837.38	837.72	-
61	FORBES AVE	POT	161+96.53	30.32' RT	-	-	837.84
62	FORBES AVE	POT	161+86.53	31.36' RT	-	-	838.05
63	FORBES AVE	POT	161+76.53	30.31' RT	-	-	838.26
64	FORBES AVE	POT	161+66.69	30.29' RT	-	-	838.39
65	FORBES AVE	POT	161+66.68	35.29' RT	-	-	[837.97]
66	GIST ST	POT	12+36.68	15.01' RT	[837.30]	[837.60*]	-

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM * 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



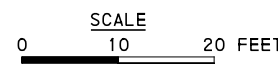
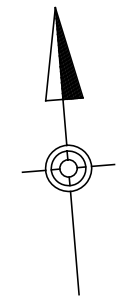
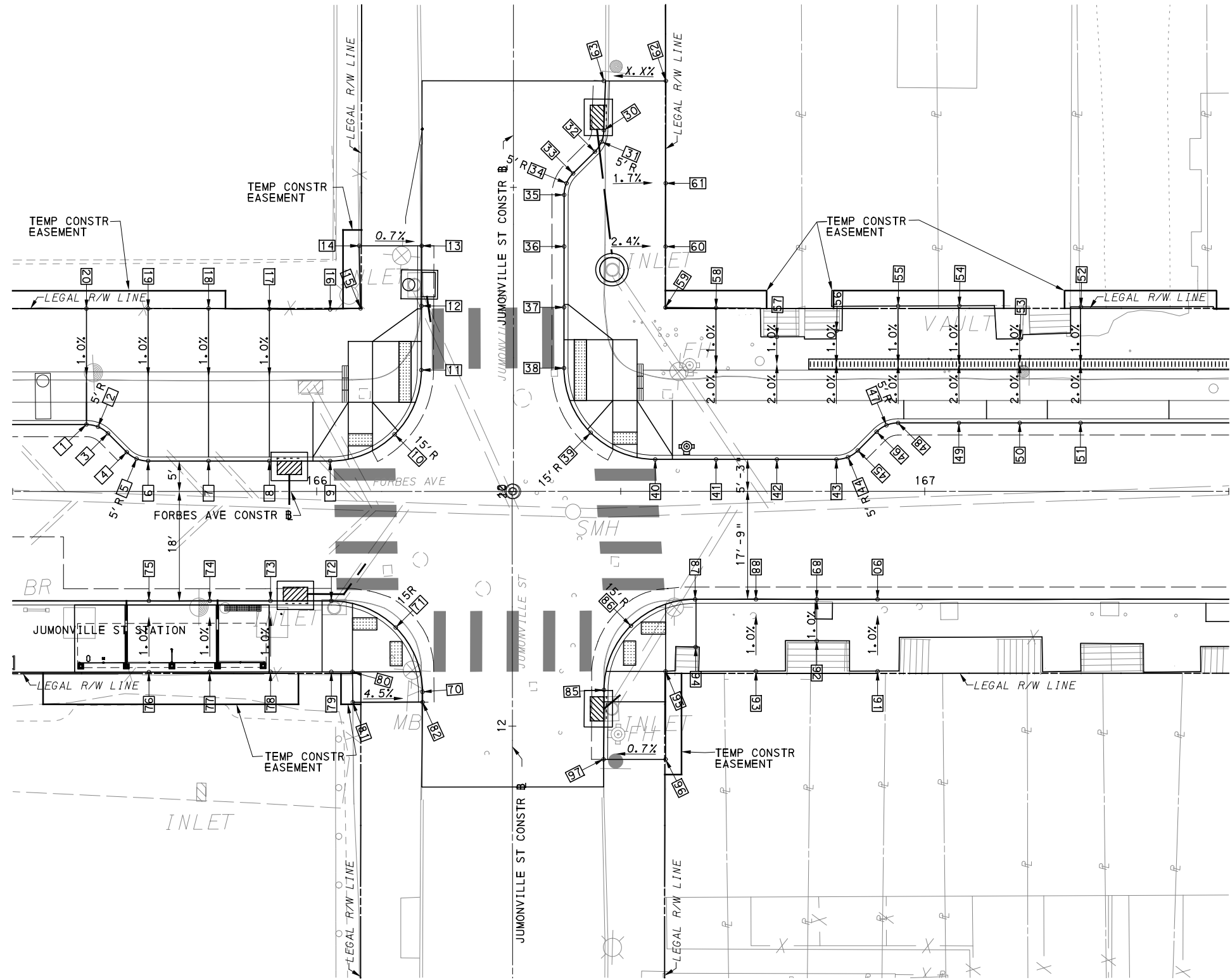
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FORBES AVE & GIST ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. ID77	SHT. 253



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE

FOR ROADWAY PLAN SEE SHEET 391

AECOM
 Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

GANNETT FLEMING
 GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FORBES AVE & JUMONVILLE ST		
	CONTRACT NO. BRT-001	
	DWG. NO. ID78	SHT. 254

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FORBES AVE	PC	165+62.13	11.00' LT	829.86	830.19	-
2	FORBES AVE	POC	165+64.04	10.62' LT	829.84	830.17	-
3	FORBES AVE	PT	165+65.66	9.54' LT	829.82	830.15	-
4	FORBES AVE	PC	165+68.74	6.46' LT	829.77	830.10	-
5	FORBES AVE	POC	165+70.36	5.38' LT	829.75	830.08	-
6	FORBES AVE	PT	165+72.28	5.00' LT	829.73	830.06	-
7	FORBES AVE	POT	165+82.21	5.00' LT	829.64	829.97	-
8	FORBES AVE	POT	165+92.21	5.00' LT	829.44	829.77	-
9	FORBES AVE	PC	166+02.21	5.00' LT	829.24	*	-
10	JUMONVILLE ST	POC	20+09.38	19.54' LT	829.08	*	-
11	JUMONVILLE ST	PT	20+19.96	15.14' LT	828.92	*	-
12	JUMONVILLE ST	POT	20+30.49	15.11' LT	828.77	*	-
13	JUMONVILLE ST	POT	20+40.37	15.09' LT	[829.51]	[829.93]	-
14	FORBES AVE	POT	166+07.00	40.38' LT	-	-	[830.00]
15	FORBES AVE	POT	166+07.20	30.09' LT	-	-	829.42
16	FORBES AVE	POT	166+02.21	29.94' LT	-	-	829.43
17	FORBES AVE	POT	165+92.21	29.99' LT	-	-	830.02
18	FORBES AVE	POT	165+82.21	30.10' LT	-	-	830.21
19	FORBES AVE	POT	165+72.28	30.07' LT	-	-	830.39
20	FORBES AVE	POT	165+62.13	30.05' LT	-	-	830.38

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
70	JUMONVILLE ST	PT	12+05.65	14.78' LT	828.42	*	-
71	JUMONVILLE ST	POC	12+16.24	19.17' LT	828.47	*	-
72	FORBES AVE	PC	166+02.39	18.00' RT	828.88	*	-
73	FORBES AVE	POT	165+92.39	18.00' RT	829.08	829.41	-
74	FORBES AVE	POT	165+82.39	18.00' RT	829.27	829.60	-
75	FORBES AVE	POT	165+72.39	18.00' RT	829.47	829.80	-
76	FORBES AVE	POT	165+72.39	28.00' RT	-	-	829.91
77	FORBES AVE	POT	165+82.39	28.00' RT	-	-	829.72
78	FORBES AVE	POT	165+92.39	29.68' RT	-	-	829.52
79	FORBES AVE	POT	166+02.39	29.68' RT	-	-	829.10
80	FORBES AVE	POT	166+05.88	29.68' RT	-	-	829.02
81	FORBES AVE	POT	166+05.93	34.68' RT	-	-	[829.07]
82	JUMONVILLE ST	POT	12+03.96	14.77' LT	[828.43]	[828.61*]	-

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
30	JUMONVILLE ST	PC	20+59.40	14.86' RT	OUTSIDE DTM	OUTSIDE DTM	-
31	JUMONVILLE ST	POC	20+57.49	14.48' RT	830.25	830.67	-
32	JUMONVILLE ST	PT	20+55.87	13.40' RT	830.22	830.63	-
33	JUMONVILLE ST	PC	20+52.29	9.81' RT	830.19	830.60	-
34	JUMONVILLE ST	POC	20+50.66	8.73' RT	830.12	830.53	-
35	JUMONVILLE ST	PT	20+48.75	8.34' RT	830.00	830.41	-
36	JUMONVILLE ST	POT	20+40.27	8.34' RT	829.40	829.81	-
37	JUMONVILLE ST	POT	20+30.27	8.33' RT	828.77	*	-
38	JUMONVILLE ST	PC	20+20.27	8.32' RT	828.39	*	-
39	FORBES AVE	POC	20+09.65	12.71' RT	828.10	*	-
40	FORBES AVE	PT	166+55.67	5.25' LT	827.83	*	-
41	FORBES AVE	POT	166+65.67	5.25' LT	827.44	827.78	-
42	FORBES AVE	POT	166+75.67	5.25' LT	827.06	827.39	-
43	FORBES AVE	PC	166+85.47	5.25' LT	826.64	826.97	-
44	FORBES AVE	POC	166+87.38	5.63' LT	826.54	826.89	-
45	FORBES AVE	PT	166+89.00	6.71' LT	826.44	826.80	-
46	FORBES AVE	PC	166+92.08	9.79' LT	826.21	826.57	-
47	FORBES AVE	POC	166+93.70	10.87' LT	826.12	826.46	-
48	FORBES AVE	PT	166+95.62	11.25' LT	826.03	826.36	-
49	FORBES AVE	POT	167+05.62	11.25' LT	825.59	825.92	-
50	FORBES AVE	POT	167+15.62	11.25' LT	825.15	825.49	-
51	FORBES AVE	POT	167+25.62	11.25' LT	824.72	825.05	-
52	FORBES AVE	POT	167+25.62	30.34' LT	-	-	825.23
53	FORBES AVE	POT	167+15.69	25.10' LT	-	-	825.62
54	FORBES AVE	POT	167+05.69	30.51' LT	-	-	825.87
55	FORBES AVE	POT	166+95.62	30.47' LT	-	-	826.23
56	FORBES AVE	POT	166+85.47	26.41' LT	-	-	826.53
57	FORBES AVE	POT	166+75.67	25.41' LT	-	-	826.95
58	FORBES AVE	POT	166+65.67	30.18' LT	-	-	827.92
59	FORBES AVE	POT	166+57.35	30.23' LT	-	-	828.42
60	FORBES AVE	POT	166+57.38	40.25' LT	-	-	829.43
61	FORBES AVE	POT	166+57.40	50.66' LT	-	-	830.27
62	JUMONVILLE ST	POT	20+67.50	25.08' RT	-	-	[OUTSIDE DTM]
63	JUMONVILLE ST	POT	20+67.50	15.13' RT	[OUTSIDE DTM]	[OUTSIDE DTM]	-

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
85	JUMONVILLE ST	PC	12+05.94	15.07' RT	827.75	*	-
86	JUMONVILLE ST	POC	12+16.48	19.51' RT	827.54	*	-
87	FORBES AVE	PT	166+62.24	17.75' RT	827.21	*	-
88	FORBES AVE	POT	166+72.24	17.75' RT	826.83	827.16	-
89	FORBES AVE	POT	166+82.24	17.75' RT	826.42	826.75	-
90	FORBES AVE	POT	166+92.24	17.75' RT	825.99	826.32	-
91	FORBES AVE	POT	166+92.24	29.56' RT	-	-	826.43
92	FORBES AVE	POT	166+82.24	24.58' RT	-	-	826.81
93	FORBES AVE	POT	166+72.24	29.56' RT	-	-	827.28
94	FORBES AVE	POT	166+62.32	25.59' RT	-	-	827.62
95	FORBES AVE	POT	166+57.37	29.59' RT	-	-	828.00
96	FORBES AVE	POT	166+57.38	44.06' RT	-	-	[828.30]
97	JUMONVILLE ST	POT	11+94.52	14.99' RT	[827.99]	[828.23*]	-

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM # 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



NO.	DATE	DESCRIPTION
REVISIONS		

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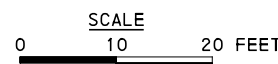
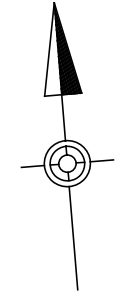
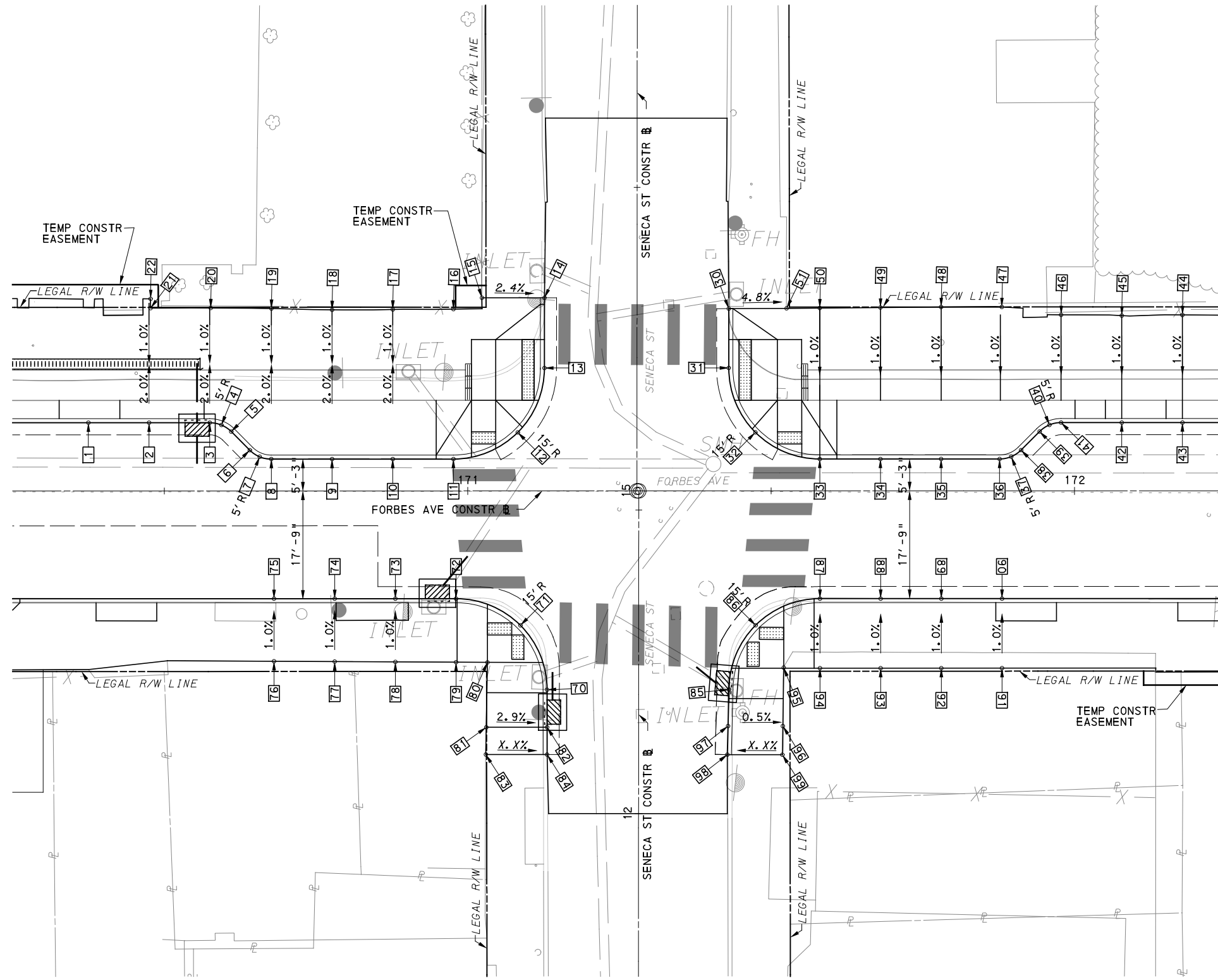
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IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH, PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA
 FORBES AVE & JUMONVILLE ST

Port Authority connecting people to life®

CONTRACT NO. BRT-001
 DWG. NO. ID79 SHT. 255



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE

FOR ROADWAY PLAN SEE SHEET 392

AECOM
 Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

GANNETT FLEMING
 GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

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DATE	05/01/24
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FORBES AVE & SENECA ST	
Port Authority connecting people to life	CONTRACT NO. BRT-001
DWG. NO. ID80	SHT. 256

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FORBES AVE	POT	170+37.48	11.25' LT	811.31	811.64	-
2	FORBES AVE	POT	170+47.48	11.25' LT	810.87	811.21	-
3	FORBES AVE	PC	170+57.48	11.25' LT	810.47	810.79	-
4	FORBES AVE	POC	170+59.40	10.87' LT	810.40	810.72	-
5	FORBES AVE	PT	170+61.02	9.78' LT	810.36	810.68	-
6	FORBES AVE	PC	170+64.08	6.72' LT	810.30	810.61	-
7	FORBES AVE	POC	170+65.70	5.63' LT	810.26	810.58	-
8	FORBES AVE	PT	170+67.62	5.25' LT	810.19	810.51	-
9	FORBES AVE	POT	170+77.64	5.25' LT	809.76	810.09	-
10	FORBES AVE	POT	170+87.64	5.25' LT	809.33	809.66	-
11	FORBES AVE	PC	170+97.64	5.25' LT	808.90	*	-
12	SENECA ST	POC	15+09.63	19.64' LT	808.06	*	-
13	SENECA ST	PT	15+20.24	15.26' LT	807.70	*	-
14	SENECA ST	POT	15+31.81	15.26' LT	[807.93]	[808.23*]	-
15	FORBES AVE	POT	171+02.35	31.82' LT	-	-	[808.46]
16	FORBES AVE	POT	170+97.64	29.96' LT	-	-	808.61
17	FORBES AVE	POT	170+87.64	29.90' LT	-	-	809.14
18	FORBES AVE	POT	170+77.64	29.84' LT	-	-	809.52
19	FORBES AVE	POT	170+67.64	30.05' LT	-	-	809.91
20	FORBES AVE	POT	170+57.64	30.15' LT	-	-	810.35
21	FORBES AVE	POT	170+47.73	30.12' LT	-	-	810.82
22	FORBES AVE	POT	170+47.73	31.65' LT	-	-	811.05

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
30	SENECA ST	POT	15+30.04	15.12' RT	[806.45]	[806.76*]	-
31	SENECA ST	PC	15+20.27	15.12' RT	806.35	*	-
32	SENECA ST	POC	15+09.66	19.51' RT	806.25	*	-
33	FORBES AVE	PT	171+58.01	5.25' LT	805.91	*	-
34	FORBES AVE	POT	171+68.01	5.25' LT	805.36	805.70	-
35	FORBES AVE	POT	171+78.01	5.25' LT	804.83	805.16	-
36	FORBES AVE	PC	171+87.65	5.25' LT	804.34	804.66	-
37	FORBES AVE	POC	171+89.56	5.63' LT	804.23	804.57	-
38	FORBES AVE	PT	171+91.19	6.72' LT	804.11	804.48	-
39	FORBES AVE	PC	171+94.24	9.78' LT	803.86	804.23	-
40	FORBES AVE	POC	171+95.87	10.87' LT	803.75	804.09	-
41	FORBES AVE	PT	171+97.78	11.25' LT	803.64	803.97	-
42	FORBES AVE	POT	172+07.78	11.25' LT	803.15	803.48	-
43	FORBES AVE	POT	172+17.78	11.25' LT	802.67	803.00	-
44	FORBES AVE	POT	172+17.78	28.67' LT	-	-	803.18
45	FORBES AVE	POT	172+07.78	28.98' LT	-	-	803.65
46	FORBES AVE	POT	171+97.78	28.87' LT	-	-	804.08
47	FORBES AVE	POT	171+88.01	30.31' LT	-	-	804.72
48	FORBES AVE	POT	171+78.01	30.21' LT	-	-	805.23
49	FORBES AVE	POT	171+68.01	30.21' LT	-	-	805.76
50	FORBES AVE	POT	171+58.01	30.12' LT	-	-	806.06
51	FORBES AVE	POT	171+52.54	30.08' LT	-	-	[806.37]
52	FORBES AVE	POT	171+52.56	31.85' LT	-	-	-

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
70	SENECA ST	PT	12+20.39	15.08' LT	807.40	*	-
71	SENECA ST	POC	12+31.00	19.48' LT	807.90	*	-
72	FORBES AVE	PC	170+98.08	17.75' RT	808.52	*	-
73	FORBES AVE	POT	170+88.08	17.75' RT	808.95	809.28	-
74	FORBES AVE	POT	170+78.08	17.75' RT	809.38	809.72	-
75	FORBES AVE	POT	170+68.08	17.75' RT	809.81	810.14	-
76	FORBES AVE	POT	170+68.08	28.06' RT	-	-	810.24
77	FORBES AVE	POT	170+78.08	28.11' RT	-	-	809.81
78	FORBES AVE	POT	170+88.08	28.17' RT	-	-	809.38
79	FORBES AVE	POT	170+98.08	28.22' RT	-	-	808.73
80	FORBES AVE	POT	171+03.25	28.25' RT	-	-	808.47
81	SENECA ST	POT	12+14.21	25.10' LT	-	-	808.36
82	SENECA ST	POT	12+14.21	15.08' LT	807.53	808.09	-
83	SENECA ST	POT	12+09.72	25.18' LT	-	-	[OUTSIDE DTM]
84	SENECA ST	POT	12+09.72	15.08' LT	[OUTSIDE DTM]	[OUTSIDE DTM]	-

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
85	SENECA ST	PC	12+20.44	14.89' RT	806.11	*	-
86	SENECA ST	POC	12+31.04	19.28' RT	805.97	*	-
87	FORBES AVE	PT	171+58.05	17.75' RT	805.55	*	-
88	FORBES AVE	POT	171+68.05	17.75' RT	805.00	805.59	-
89	FORBES AVE	POT	171+78.05	17.75' RT	804.47	805.33	-
90	FORBES AVE	POT	171+88.05	17.75' RT	803.96	805.05	-
91	FORBES AVE	POT	171+88.05	29.20' RT	-	-	804.65
92	FORBES AVE	POT	171+78.05	29.20' RT	-	-	805.16
93	FORBES AVE	POT	171+68.05	29.21' RT	-	-	805.69
94	FORBES AVE	POT	171+58.05	29.21' RT	-	-	805.73
95	FORBES AVE	POT	171+52.07	29.21' RT	-	-	806.31
96	SENECA ST	POT	12+14.43	23.77' RT	-	-	806.67
97	SENECA ST	POT	12+14.43	14.74' RT	806.21	806.70	-
98	SENECA ST	POT	12+09.72	14.63' RT	[OUTSIDE DTM]	[OUTSIDE DTM]	-
99	SENECA ST	POT	12+09.72	23.70' RT	-	-	[OUTSIDE DTM]

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM # 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



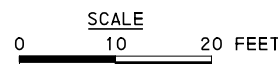
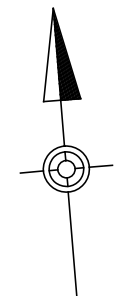
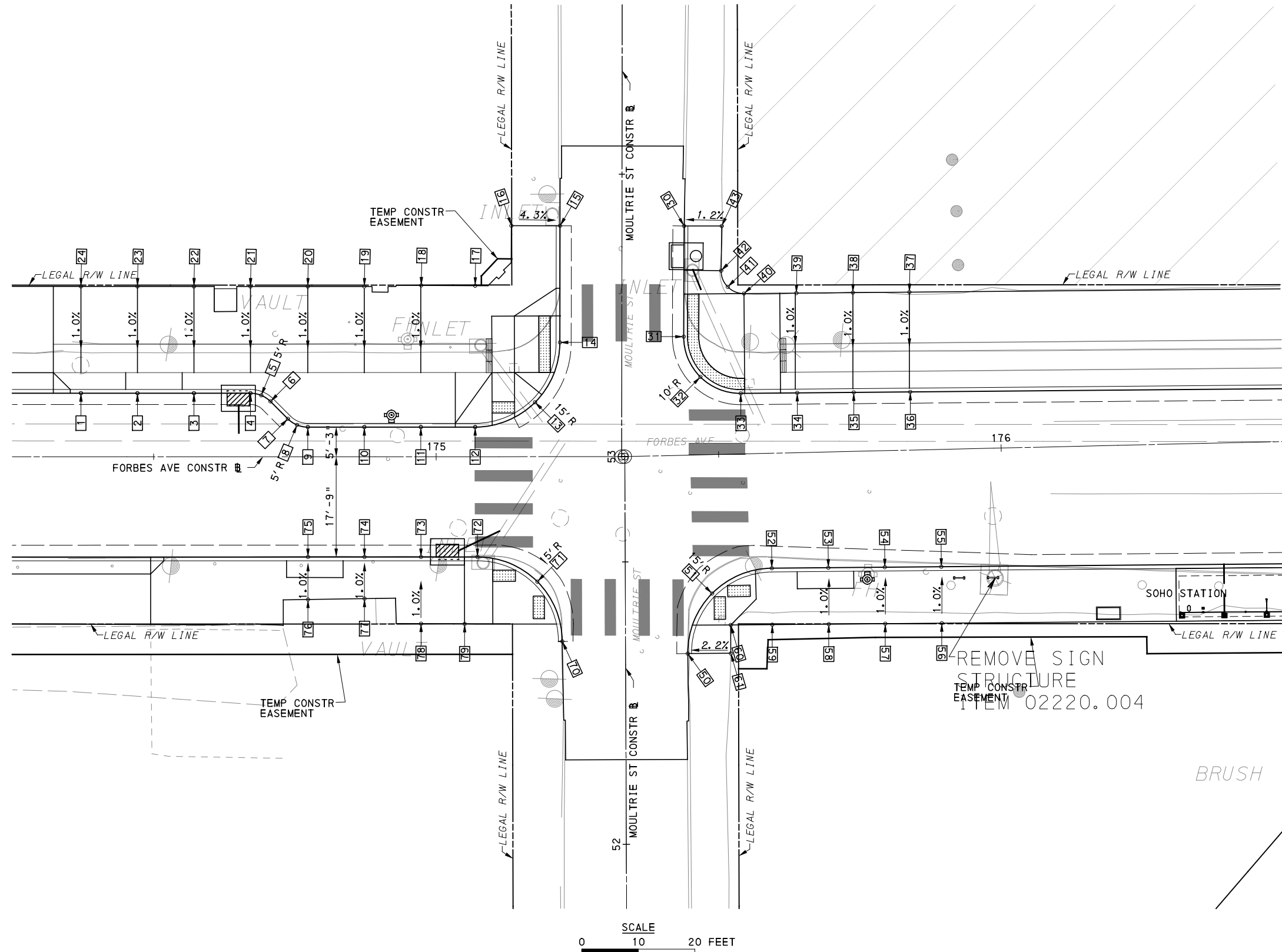
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(NOT FOR CONSTRUCTION)

DESIGNED	TCG
DRAWN	TCG
CHECKED	KCF
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FORBES AVE & SENECA ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ID81 SHT. 257



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE

FOR ROADWAY PLAN SEE SHEET 393

AECOM
 Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

GANNETT FLEMING
 GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FORBES AVE & MOULTRIE ST	
Port Authority connecting people to life	CONTRACT NO. BRT-001
DWG. NO. ID82	SHT. 258

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FORBES AVE	POT	174+37.15	11.25' LT	791.91	792.24	-
2	FORBES AVE	POT	174+47.15	11.25' LT	791.39	791.73	-
3	FORBES AVE	POT	174+57.15	11.25' LT	790.89	791.22	-
4	FORBES AVE	PC	174+67.15	11.25' LT	790.41	790.74	-
5	FORBES AVE	POC	174+69.06	10.87' LT	790.34	790.65	-
6	FORBES AVE	PT	174+70.68	9.79' LT	790.28	790.59	-
7	FORBES AVE	PC	174+73.76	6.71' LT	790.20	790.52	-
8	FORBES AVE	POC	174+75.39	5.63' LT	790.15	790.47	-
9	FORBES AVE	PT	174+77.30	5.25' LT	790.07	790.40	-
10	FORBES AVE	POT	174+87.30	5.25' LT	789.58	789.91	-
11	FORBES AVE	POT	174+97.30	5.25' LT	789.08	789.41	-
12	FORBES AVE	PC	175+06.91	5.25' LT	788.63	*	-
13	MOULTRIE ST	POC	53+09.61	15.34' LT	787.93	*	-
14	MOULTRIE ST	PT	53+20.21	10.95' LT	787.69	*	-
15	MOULTRIE ST	POT	53+40.87	10.95' LT	[789.35]	[789.68]	-
16	FORBES AVE	POT	175+13.33	40.89' LT	-	-	[790.02]
17	FORBES AVE	POT	175+06.91	30.27' LT	-	-	789.37
18	FORBES AVE	POT	174+97.37	30.32' LT	-	-	789.76
19	FORBES AVE	POT	174+87.30	30.13' LT	-	-	790.12
20	FORBES AVE	POT	174+77.30	30.13' LT	-	-	790.53
21	FORBES AVE	POT	174+67.15	30.13' LT	-	-	791.11
22	FORBES AVE	POT	174+57.15	30.14' LT	-	-	791.66
23	FORBES AVE	POT	174+47.15	30.15' LT	-	-	792.15
24	FORBES AVE	POT	174+37.15	30.15' LT	-	-	792.78

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
30	MOULTRIE ST	POT	53+40.87	11.00' RT	[788.57]	[788.75]	-
31	MOULTRIE ST	PC	53+21.26	10.96' RT	786.91	*	-
32	MOULTRIE ST	POC	53+14.14	13.92' RT	786.61	*	-
33	FORBES AVE	PT	175+54.16	10.73' LT	786.23	*	-
34	FORBES AVE	POT	175+64.15	10.59' LT	785.70	786.04	-
35	FORBES AVE	POT	175+74.15	10.44' LT	785.16	785.50	-
36	FORBES AVE	POT	175+84.15	10.3' LT	784.63	784.96	-
37	FORBES AVE	POT	175+84.40	27.97' LT	-	-	785.12
38	FORBES AVE	POT	175+74.40	28.11' LT	-	-	785.65
39	FORBES AVE	POT	175+64.41	28.25' LT	-	-	786.19
40	FORBES AVE	PC	175+55.13	28.38' LT	-	-	787.24
41	FORBES AVE	POC	175+52.29	29.62' LT	-	-	787.60
42	FORBES AVE	PT	175+51.19	32.52' LT	-	-	787.90
43	FORBES AVE	POT	175+51.47	40.43' LT	-	-	[788.82]

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
70	MOULTRIE ST	PT	52+35.96	11.20' LT	[786.42]	*	-
71	MOULTRIE ST	POC	52+46.57	15.58' LT	787.19	*	-
72	FORBES AVE	PC	175+07.32	17.75' RT	788.14	*	-
73	FORBES AVE	POT	174+97.32	17.75' RT	788.61	788.94	-
74	FORBES AVE	POT	174+87.32	17.75' RT	789.11	789.44	-
75	FORBES AVE	POT	174+77.32	17.75' RT	789.60	789.93	-
76	FORBES AVE	POT	174+77.32	25.28' RT	-	-	790.05
77	FORBES AVE	POT	174+87.32	25.13' RT	-	-	789.55
78	FORBES AVE	POT	174+97.34	29.55' RT	-	-	789.05
79	FORBES AVE	POT	175+05.05	29.61' RT	-	-	788.69

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
50	MOULTRIE ST	PC	52+33.74	11.00' RT	[785.48]	[785.65*]	-
51	MOULTRIE ST	POC	52+44.35	15.35' RT	786.02	*	-
52	FORBES AVE	PT	175+58.95	20.34' RT	785.64	*	-
53	FORBES AVE	POT	175+68.95	20.49' RT	785.11	785.69	-
54	FORBES AVE	POT	175+78.94	20.63' RT	784.58	785.16	-
55	FORBES AVE	POT	175+88.94	20.77' RT	784.04	784.62	-
56	FORBES AVE	POT	175+88.80	30.77' RT	-	-	784.72
57	FORBES AVE	POT	175+78.80	30.63' RT	-	-	785.26
58	FORBES AVE	POT	175+68.80	30.48' RT	-	-	785.79
59	FORBES AVE	POT	175+58.80	30.34' RT	-	-	785.97
60	FORBES AVE	POT	175+51.45	30.22' RT	-	-	785.98
61	FORBES AVE	POT	175+51.36	35.23' RT	-	-	[785.82]

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM * 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



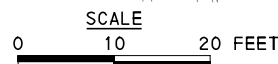
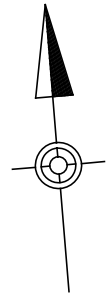
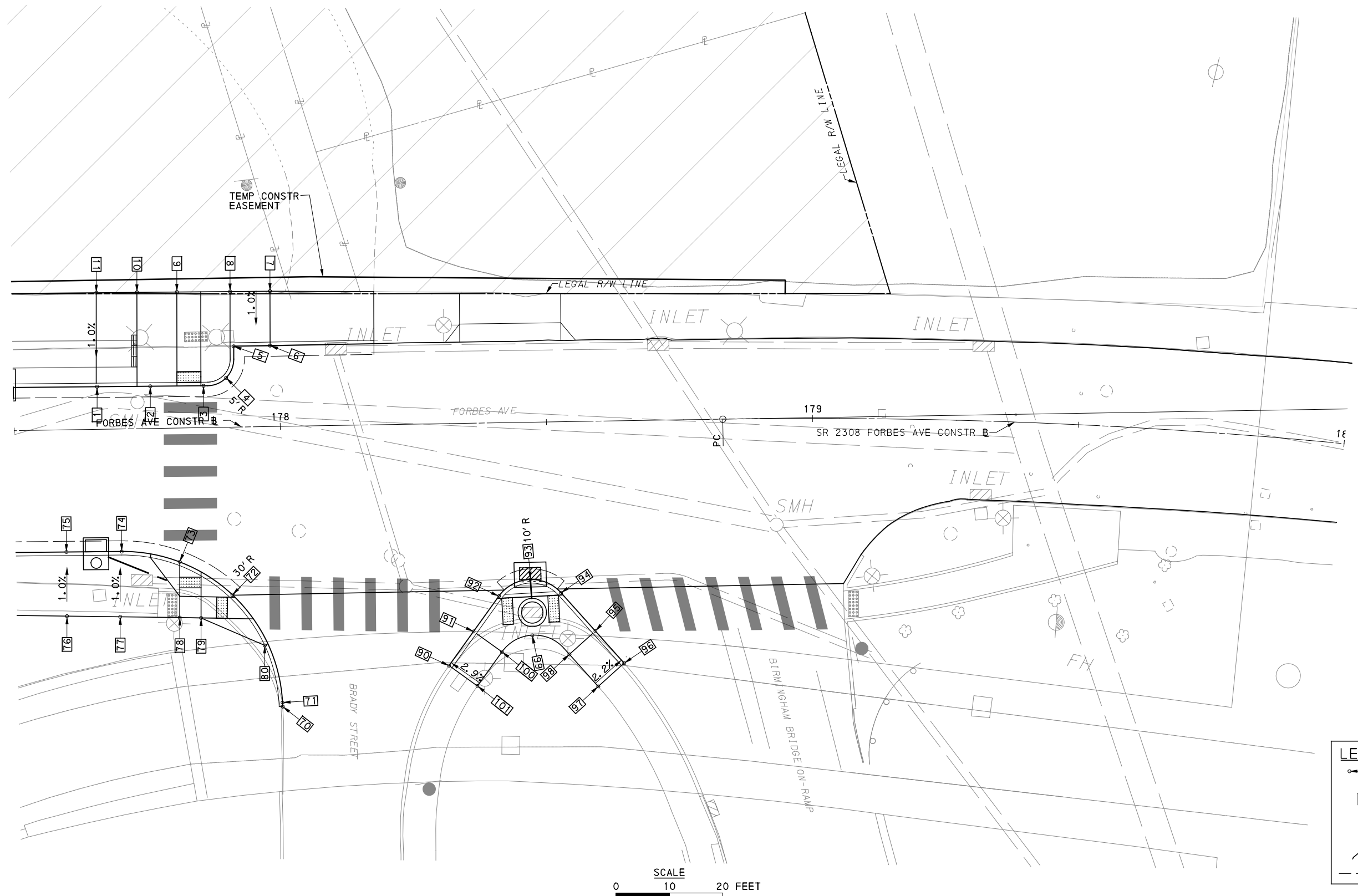
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(NOT FOR CONSTRUCTION)

DESIGNED	TCG
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IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FORBES AVE & MOULTRIE ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. ID83	SHT. 259



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE

[FOR ROADWAY PLAN SEE SHEET 394]

AECOM
 Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

GANNETT FLEMING
 GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FORBES AVE & BIRMINGHAM BR		
Port Authority connecting people to life®	CONTRACT NO. BRT-001	
	DWG. NO. ID84	SHT. 260

NORTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
1	FORBES AVE	POT	177+65.71	8.00' LT	775.78	776.12	-
2	FORBES AVE	POT	177+75.71	7.92' LT	775.51	*	-
3	FORBES AVE	PC	177+86.43	7.84' LT	775.35	*	-
4	FORBES AVE	POC	177+89.97	9.27' LT	775.26	*	-
5	FORBES AVE	PT	177+91.49	15.18' LT	775.14	*	-
6	FORBES AVE	POT	177+98.33	15.19' LT	775.01	*	-
7	FORBES AVE	POT	177+98.48	25.42' LT	-	-	775.42
8	FORBES AVE	POT	177+90.98	25.47' LT	-	-	775.56
9	FORBES AVE	POT	177+80.98	25.55' LT	-	-	775.95
10	FORBES AVE	POT	177+73.48	25.61' LT	-	-	776.07
11	FORBES AVE	POT	177+66.85	25.67' LT	-	-	776.28

SOUTHWEST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
70	FORBES AVE	POT	177+99.62	52.66' RT	773.34	774.05	-
71	FORBES AVE	PT	177+99.59	51.88' RT	773.41	774.11	-
72	FORBES AVE	POC	177+90.49	31.49' RT	774.74	*	-
73	FORBES AVE	POC	177+80.71	25.16' RT	775.06	*	-
74	FORBES AVE	PC	177+69.84	23.03' RT	775.34	775.92	-
75	FORBES AVE	POT	177+59.45	22.95' RT	775.63	776.22	-
76	FORBES AVE	POT	177+59.36	35.01' RT	-	-	776.33
77	FORBES AVE	POT	177+69.36	35.30' RT	-	-	776.05
78	FORBES AVE	POT	177+80.55	35.62' RT	-	-	774.78
79	FORBES AVE	POT	177+84.55	35.76' RT	-	-	774.49
80	FORBES AVE	POT	177+96.41	41.10' RT	-	-	774.00
90	FORBES AVE	POT	178+30.97	45.47' RT	[773.65]	[774.19]	-
91	FORBES AVE	POT	178+35.68	39.12' RT	773.95	774.53	-
92	FORBES AVE	PC	178+40.54	32.56' RT	774.35	774.93	-
93	FORBES AVE	POC	178+46.55	29.53' RT	774.40	774.98	-
94	FORBES AVE	PT	178+52.23	32.11' RT	774.44	775.02	-
95	FORBES AVE	POT	178+58.57	39.41' RT	774.50	775.08	-
96	FORBES AVE	POT	178+63.87	45.53' RT	[774.63]	[775.32]	-
97	FORBES AVE	POT	178+58.93	49.83' RT	-	-	[775.40]
98	FORBES AVE	PT	178+53.62	43.71' RT	-	-	775.23
99	FORBES AVE	POC	178+46.69	40.00' RT	-	-	774.93
100	FORBES AVE	PC	178+40.95	43.03' RT	-	-	774.54
101	FORBES AVE	POT	178+36.25	49.37' RT	-	-	[774.44]

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM * 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



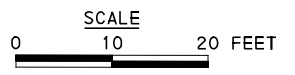
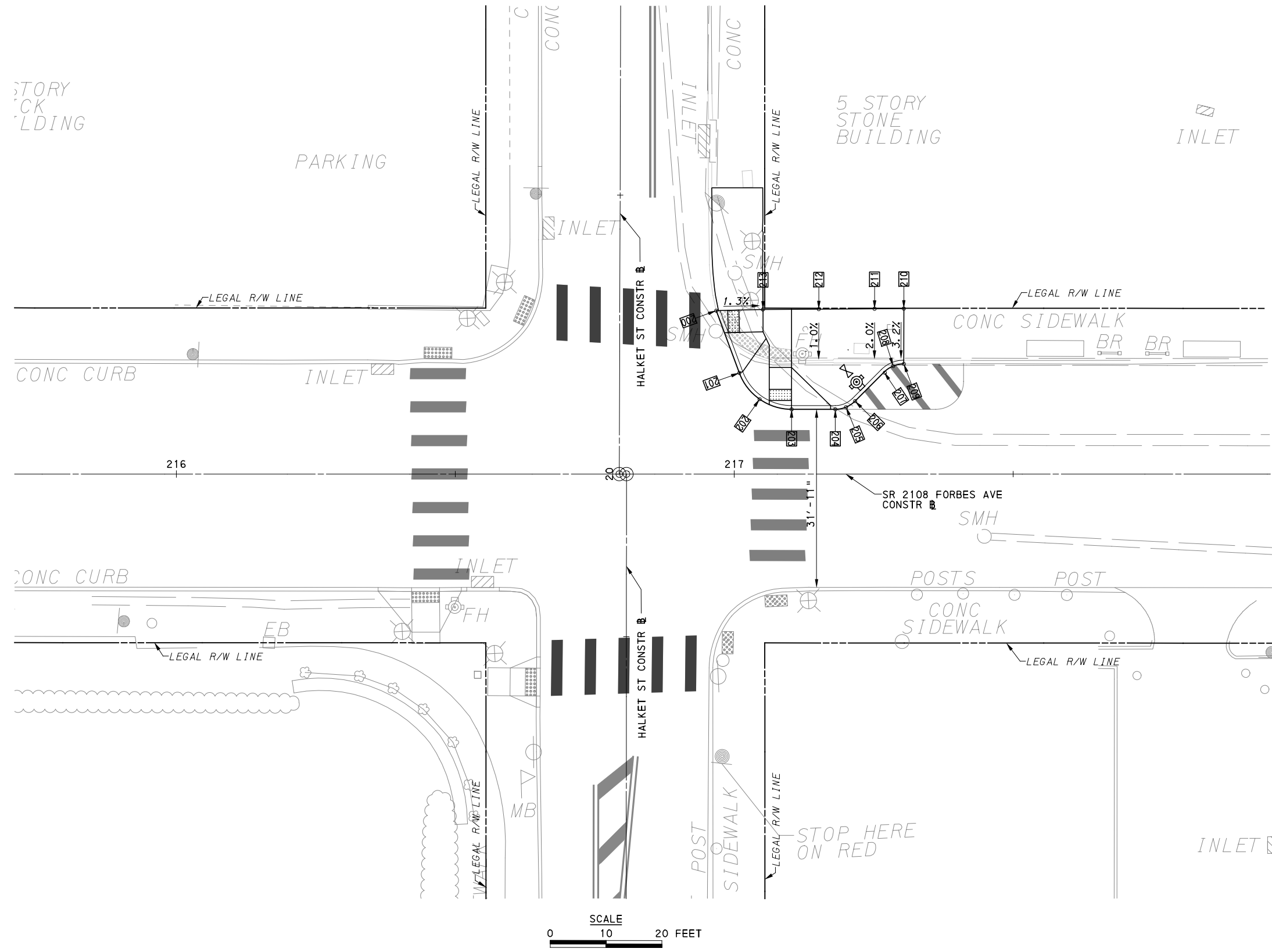
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FORBES AVE & BIRMINGHAM BR	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. ID85	SHT. 261



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE

[FOR ROADWAY PLAN SEE SHEET 396]

AECOM
 Gulf Tower
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 Pittsburgh, PA 15219

GANNETT FLEMING
 GANNETT FLEMING, INC.
 Foster Plaza 8
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DETAILS FORBES AVE & HALKET ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ID86 SHT. 262

NORTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
200	HALKET ST	POT	20+29.33	17.28' RT	[913.88]	*	-
201	HALKET ST	PC	20+18.19	21.46' RT	913.70	914.03	-
202	FORBES AVE	POC	217+04.58	13.40' LT	913.62	*	-
203	FORBES AVE	PT	217+10.28	11.61' LT	913.51	*	-
204	FORBES AVE	PC	217+18.12	11.61' LT	913.35	913.68	-
205	FORBES AVE	POC	217+20.04	11.99' LT	913.30	913.63	-
206	FORBES AVE	PT	217+21.66	13.07' LT	913.25	913.58	-
207	FORBES AVE	PC	217+26.87	18.28' LT	913.05	913.38	-
208	FORBES AVE	POC	217+28.49	19.36' LT	912.99	913.32	-
209	FORBES AVE	PT	217+30.40	19.74' LT	[912.94]	[913.27]	-
210	FORBES AVE	POT	217+30.41	29.65' LT	-	-	[913.71]
211	FORBES AVE	POT	217+25.16	29.62' LT	-	-	913.74
212	FORBES AVE	POT	217+15.16	29.56' LT	-	-	913.81
213	FORBES AVE	POT	217+05.07	29.14' LT	-	-	[914.05]

NOTE:
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 [] MATCH EXISTING ELEVATION



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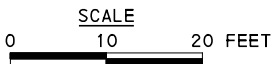
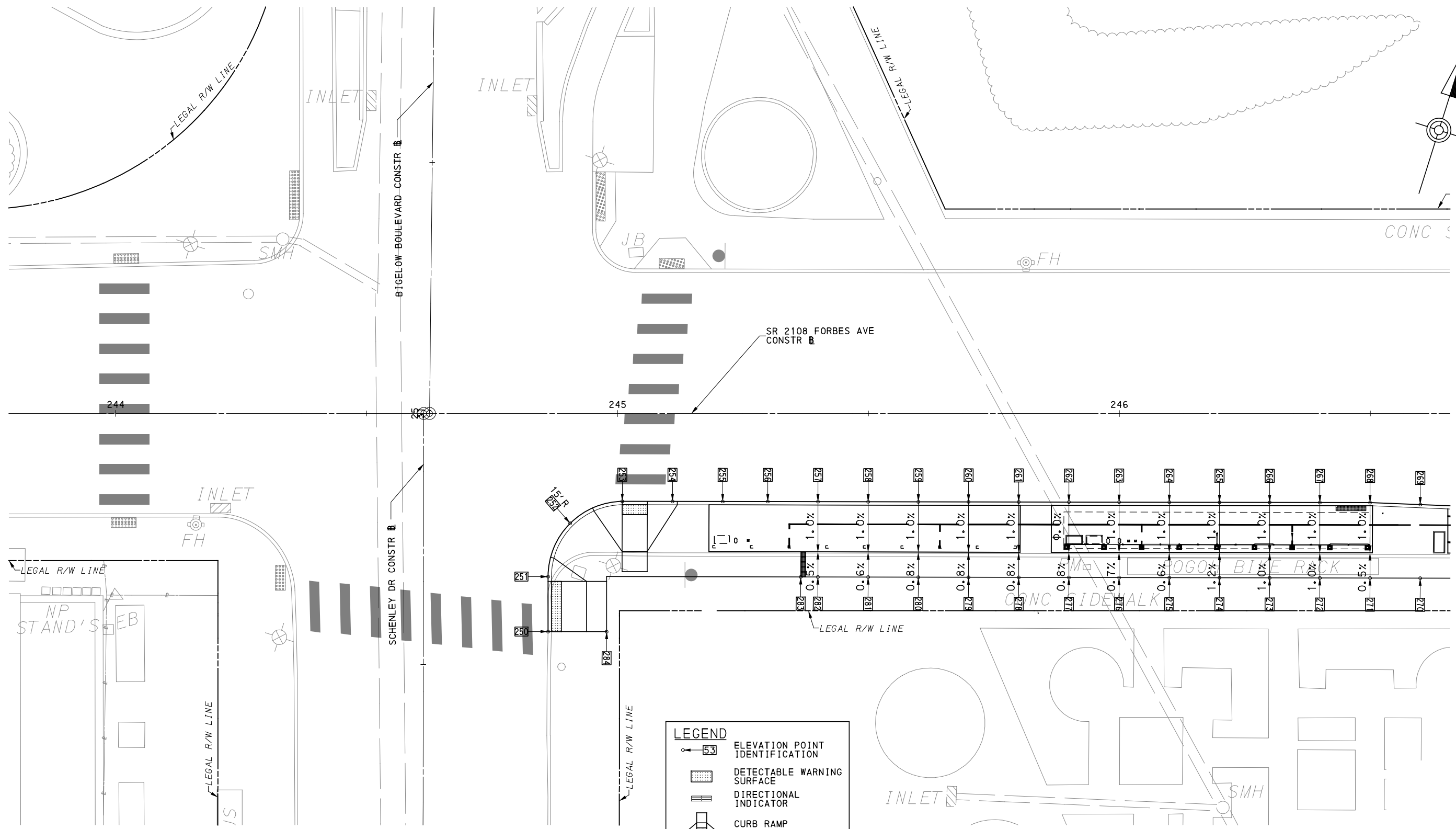
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PORT AUTHORITY OF ALLEGHENY COUNTY	
PITTSBURGH	PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA FORBES AVE & HALKET ST	
Port Authority connecting people to life®	CONTRACT NO. BRT-001
DWG. NO. ID87	SHT. 263



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE

[FOR ROADWAY PLAN SEE SHEET 401]

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 Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

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 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 INTERSECTION DETAILS
 FORBES AVE & BIGELOW BLVD

Port Authority connecting people to life™

CONTRACT NO. BRT-001
DWG. NO. ID88
SHT. 264

SOUTHEAST QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
250	SCHENLEY DR	POT	24+56.60	24.84' RT	[898.75]	*	-
251	SCHENLEY DR	PC	24+67.53	24.59' RT	[899.02]	*	-
252	FORBES AVE	POC	244+90.57	21.88' RT	[899.18]	899.64	-
253	FORBES AVE	PT	245+00.96	17.50' RT	[899.15]	*	-
254	FORBES AVE	POT	245+10.96	17.51' RT	[899.00]	*	-
255	FORBES AVE	POT	245+20.96	17.53' RT	[898.85]	899.31	-
256	FORBES AVE	POT	245+29.94	17.54' RT	[898.72]	899.18	-
257	FORBES AVE	POT	245+39.94	17.56' RT	[898.57]	899.03	-
258	FORBES AVE	POT	245+49.94	17.57' RT	[898.42]	898.88	-
259	FORBES AVE	POT	245+59.94	17.59' RT	[898.28]	898.74	-
260	FORBES AVE	POT	245+69.94	17.61' RT	[898.14]	898.6	-
261	FORBES AVE	POT	245+79.94	17.62' RT	[898.00]	898.46	-
262	FORBES AVE	POT	245+89.94	17.64' RT	[897.85]	898.31	-
263	FORBES AVE	POT	245+99.94	17.65' RT	[897.71]	898.17	-
264	FORBES AVE	POT	246+09.94	17.67' RT	[897.57]	898.03	-
265	FORBES AVE	POT	246+19.94	17.69' RT	[897.43]	897.89	-
266	FORBES AVE	POT	246+29.94	17.70' RT	[897.29]	897.75	-
267	FORBES AVE	POT	246+39.94	17.72' RT	[897.16]	897.62	-
268	FORBES AVE	POT	246+49.94	17.74' RT	[897.05]	897.5	-
269	FORBES AVE	POT	246+59.94	18.13' RT	[896.91]	897.37	-
270	FORBES AVE	POT	246+59.94	32.78' RT	-	-	[897.29]
271	FORBES AVE	POT	246+49.94	32.77' RT	-	-	[897.44]
272	FORBES AVE	POT	246+39.94	32.75' RT	-	-	[897.58]
273	FORBES AVE	POT	246+29.94	32.73' RT	-	-	[897.71]
274	FORBES AVE	POT	246+19.94	32.71' RT	-	-	[897.86]
275	FORBES AVE	POT	246+09.94	32.69' RT	-	-	[897.97]
276	FORBES AVE	POT	245+99.94	32.67' RT	-	-	[898.07]
277	FORBES AVE	POT	245+89.94	32.65' RT	-	-	[898.16]
278	FORBES AVE	POT	245+79.94	32.63' RT	-	-	[898.43]
279	FORBES AVE	POT	245+69.94	32.62' RT	-	-	[898.55]
280	FORBES AVE	POT	245+59.94	32.60' RT	-	-	[898.69]
281	FORBES AVE	POT	245+49.94	32.58' RT	-	-	[898.82]
282	FORBES AVE	POT	245+39.92	32.56' RT	-	-	[898.95]
283	FORBES AVE	POT	245+35.51	32.55' RT	-	-	[899.00]
284	SCHENLEY DR	POT	24+56.60	36.51' RT	-	-	[899.46]

NOTE:
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 [] MATCH EXISTING ELEVATION



Gulf Tower
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 Pittsburgh, PA 15219



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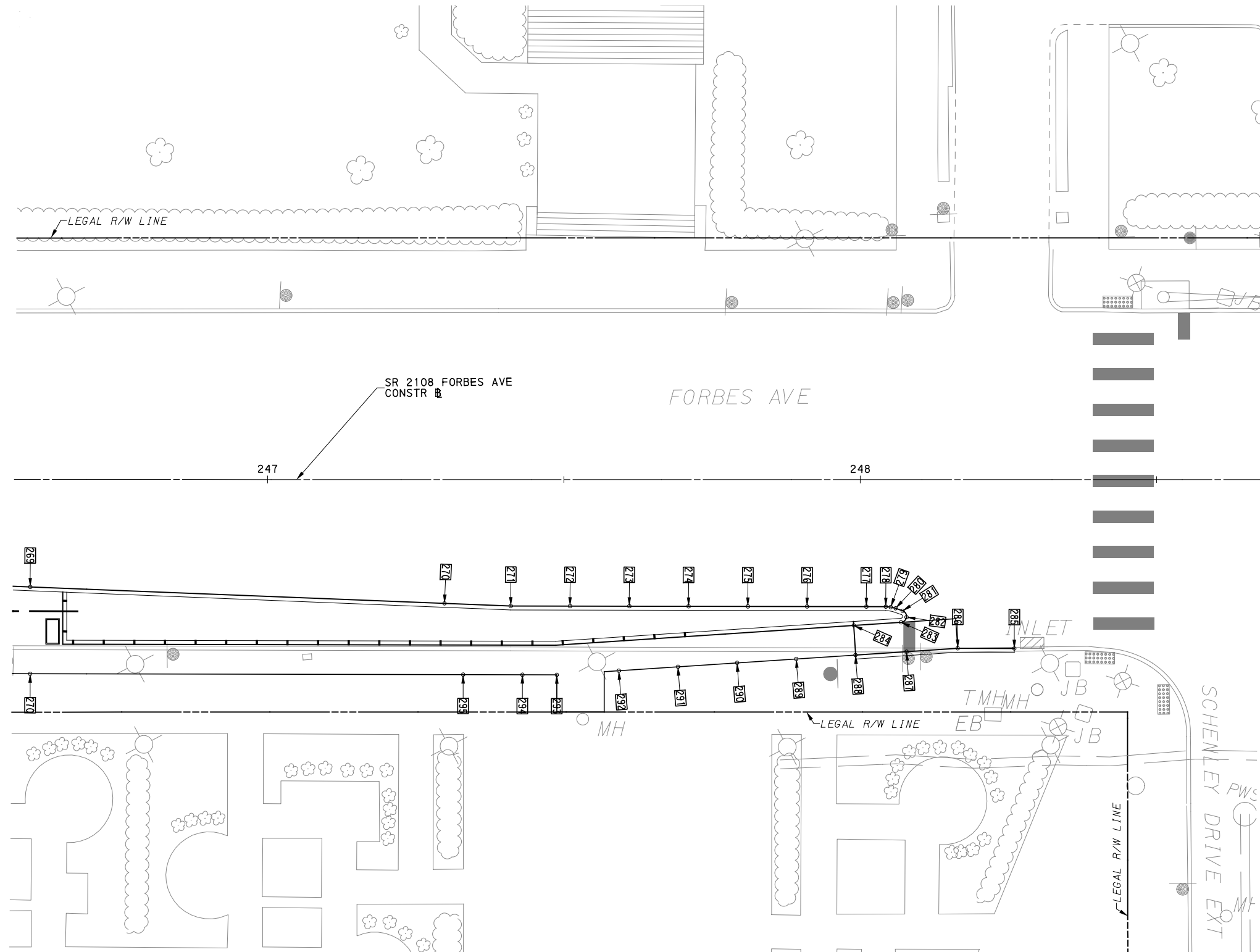
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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

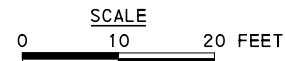
BUS RAPID TRANSIT UPTOWN TO OAKLAND INTERSECTION DATA
 FORBES AVE & BIGELOW BLVD



CONTRACT NO. BRT-001
 DWG. NO. ID89



LEGEND	
	ELEVATION POINT IDENTIFICATION
	DETECTABLE WARNING SURFACE
	DIRECTIONAL INDICATOR
	CURB RAMP
	PAV'T SAW CUT LINE



[FOR ROADWAY PLAN SEE SHEET 402]



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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 INTERSECTION DETAILS
 FORBES AVE & SCHENLEY DR EXT



CONTRACT NO. BRT-001

DWG. NO. ID90 SHT. 266

SOUTH QUADRANT							
POINT NUMBER	BASELINE	POINT	STATION	OFFSET	ELEVATION BOTTOM OF CURB	ELEVATION TOP OF CURB	ELEVATION BACK OF SIDEWALK
270	FORBES AVE	POT	247+29.86	20.90' RT	[895.86']	896.32'	
271	FORBES AVE	POT	247+41.03	21.34' RT	[895.66']	896.12'	
272	FORBES AVE	POT	247+51.03	21.36' RT	[895.50']	895.96'	
273	FORBES AVE	POT	247+61.03	21.37' RT	[895.34']	895.80'	
274	FORBES AVE	POT	247+71.03	21.39' RT	[895.19']	895.65'	
275	FORBES AVE	POT	247+81.03	21.41' RT	[895.01']	895.47'	
276	FORBES AVE	POT	247+91.03	21.42' RT	[894.84']	895.30'	
277	FORBES AVE	POT	248+01.03	21.44' RT	[894.66']	895.12'	
278	FORBES AVE	PC	248+04.31	21.45' RT	[894.59']	895.05'	
279	FORBES AVE	POC	248+05.15	21.52' RT	[894.58']	895.04'	
280	FORBES AVE	PT	248+05.96	21.73' RT	[894.56']	895.02'	
281	FORBES AVE	PC	248+07.15	22.15' RT	[894.52']	894.98'	
282	FORBES AVE	POC	248+07.81	23.23' RT	[894.48']	894.94'	
283	FORBES AVE	PT	248+06.88	24.09' RT	[894.48']	894.94'	
284	FORBES AVE	POT	247+98.90	24.62' RT	[895.10']	895.69'	
285	FORBES AVE	POT	248+25.99	28.50' RT	[893.86']	[894.75']	
286	FORBES AVE	POT	248+16.44	28.47' RT	[894.12']	[894.85']	
287	FORBES AVE	POT	248+07.81	29.04' RT	894.58'	[895.01']	
288	FORBES AVE	POT	247+99.19	29.61' RT	895.17'	[895.17']	
289	FORBES AVE	POT	247+89.19	30.27' RT			[895.37']
290	FORBES AVE	POT	247+79.22	30.93' RT			[895.54']
291	FORBES AVE	POT	247+69.24	31.59' RT			[895.70']
292	FORBES AVE	POT	247+59.25	32.26' RT			[895.87']
293	FORBES AVE	POT	247+48.80	32.95' RT			[896.05']
294	FORBES AVE	POT	247+42.99	32.94' RT			[896.17']
295	FORBES AVE	POT	247+32.99	32.92' RT			[896.32']

NOTE:
 * TOP OF CURB ELEVATION TO BE DETERMINED PER ITEM * 01900.001-DESIGN OF CURB RAMPS
 [] MATCH EXISTING ELEVATION



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 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219



GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

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(NOT FOR CONSTRUCTION)

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DRAWN	TCG
CHECKED	KCF
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

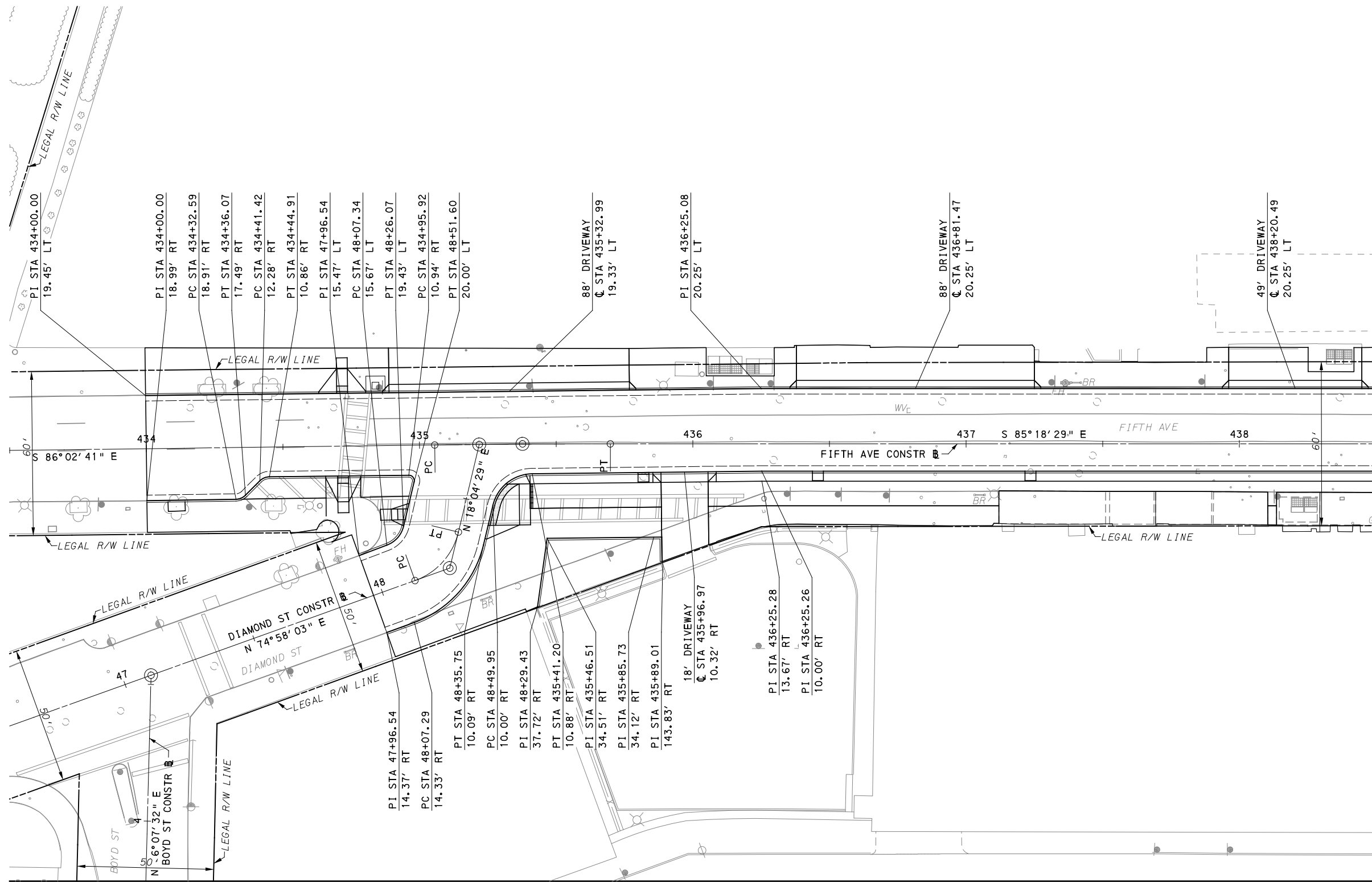
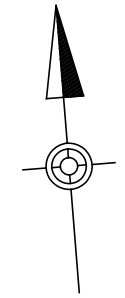
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 INTERSECTION DETAILS
 FORBES AVE & SCHENLEY DR EXT



CONTRACT NO. BRT-001

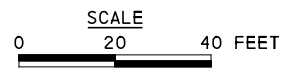
DWG. NO. ID91

SHT. 267



MATCH LINE SEE SHEET 293

MATCH LINE SEE SHEET 269



[FOR ROADWAY PLAN SEE SHEET 357]

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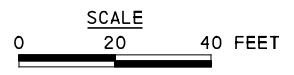
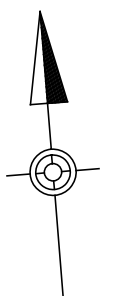
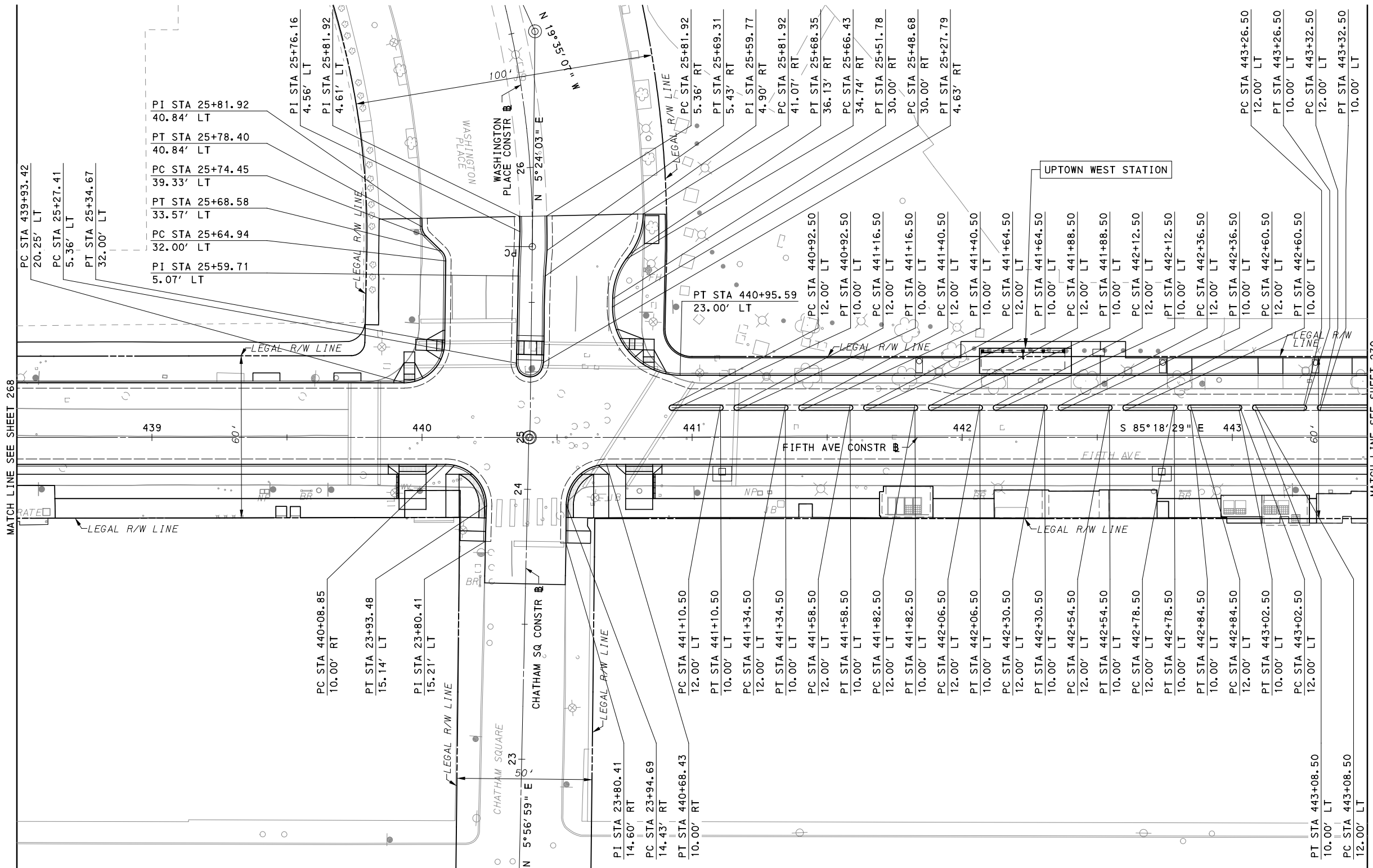
NO.	DATE	DESCRIPTION
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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND CIVIL LAYOUT PLANS FIFTH AVE - STA 433+50 TO STA 438+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. CL1 SHT. 268



MATCH LINE SEE SHEET 294

MATCH LINE SEE SHEET 270

FOR ROADWAY PLAN SEE SHEET 358

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Pittsburgh, PA 15219

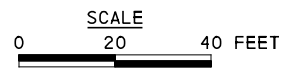
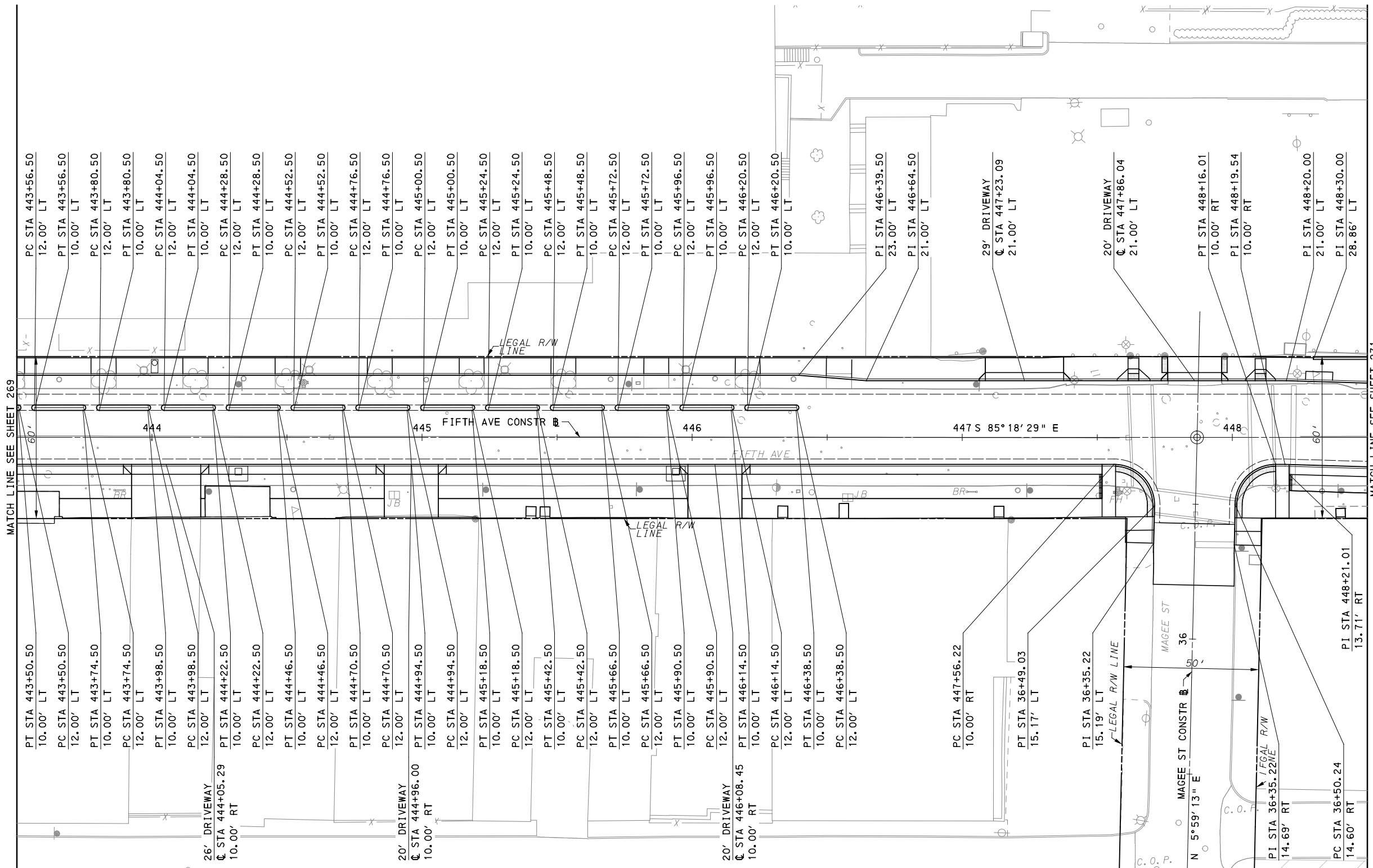
NO.	DATE	DESCRIPTION
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND CIVIL LAYOUT PLANS FIFTH AVE - STA 438+50 TO STA 443+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. CL2 SHT. 269



[FOR ROADWAY PLAN SEE SHEET 359]



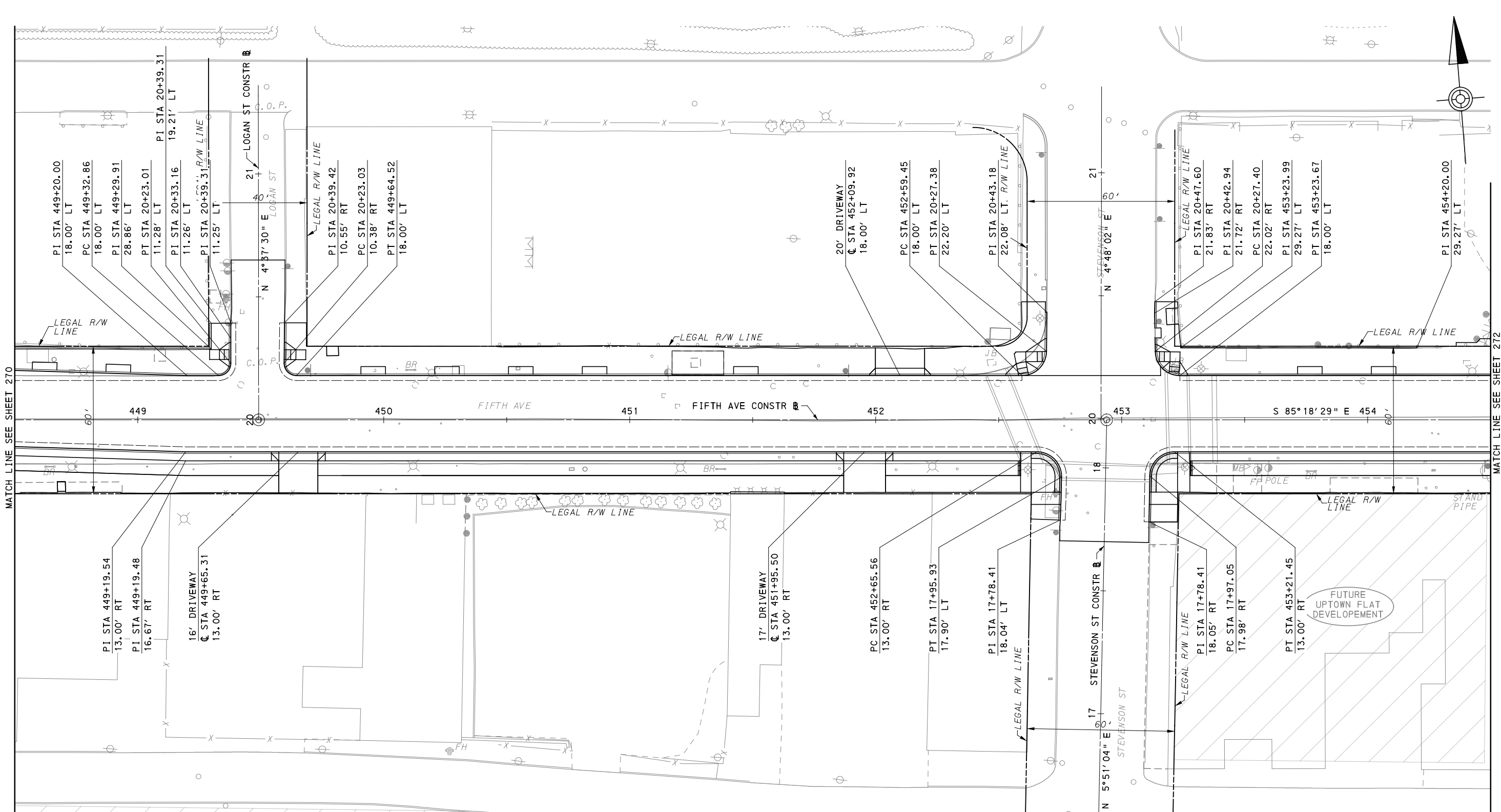
NO.	DATE	DESCRIPTION
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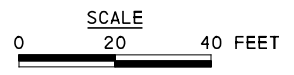
(NOT FOR CONSTRUCTION)

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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND CIVIL LAYOUT PLANS FIFTH AVE - STA 443+50 TO STA 448+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. CL3 SHT. 270



MATCH LINE SEE SHEET 295



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DESIGNED	SDS
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SCALE	AS SHOWN

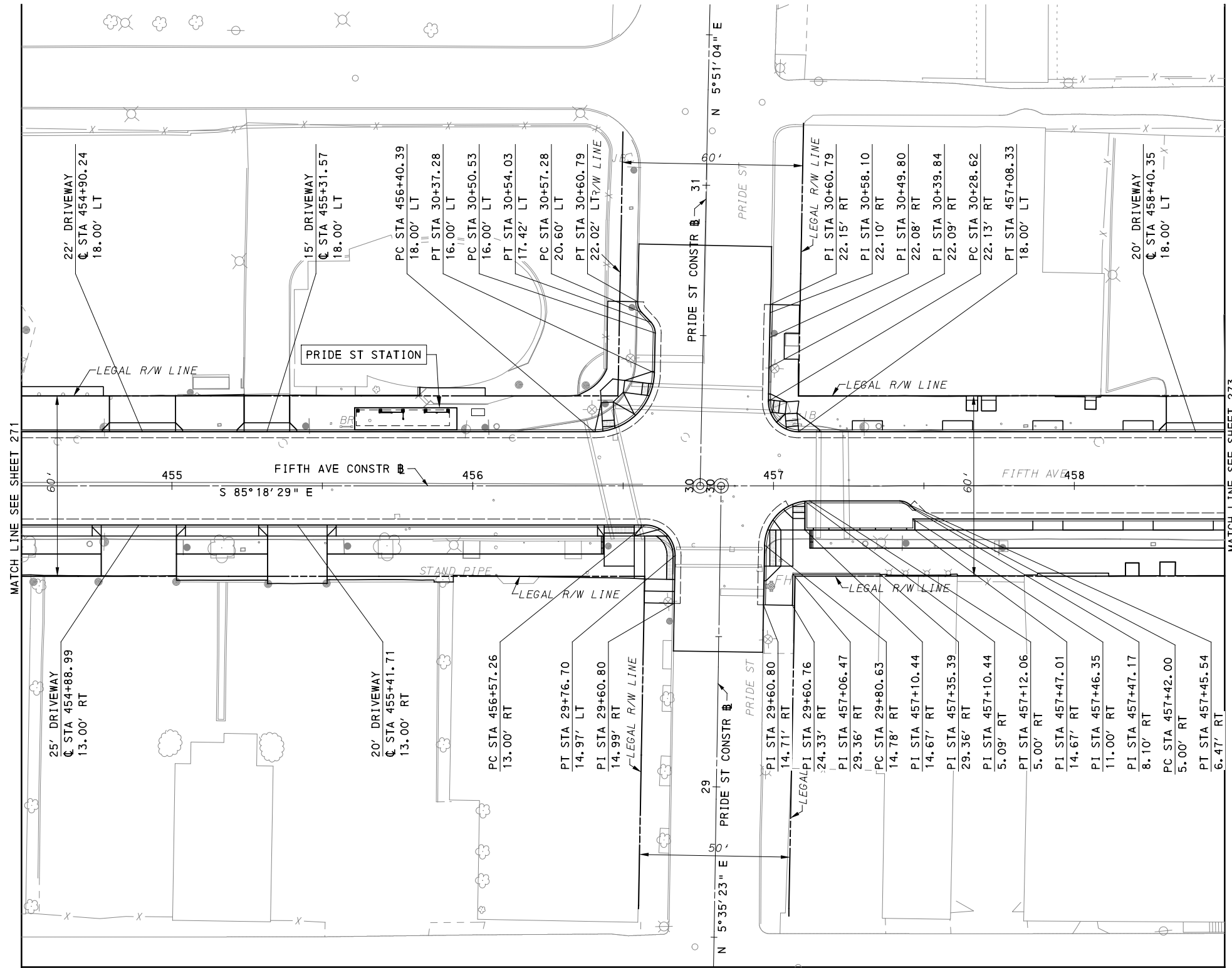
[FOR ROADWAY PLAN SEE SHEET 360]

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

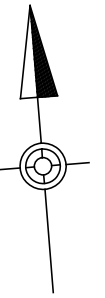
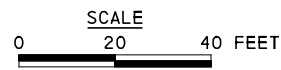
BUS RAPID TRANSIT UPTOWN TO OAKLAND
CIVIL LAYOUT PLANS
FIFTH AVE - STA 448+50 TO STA 454+50

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DWG. NO. CL4	SHT. 271



MATCH LINE SEE SHEET 296



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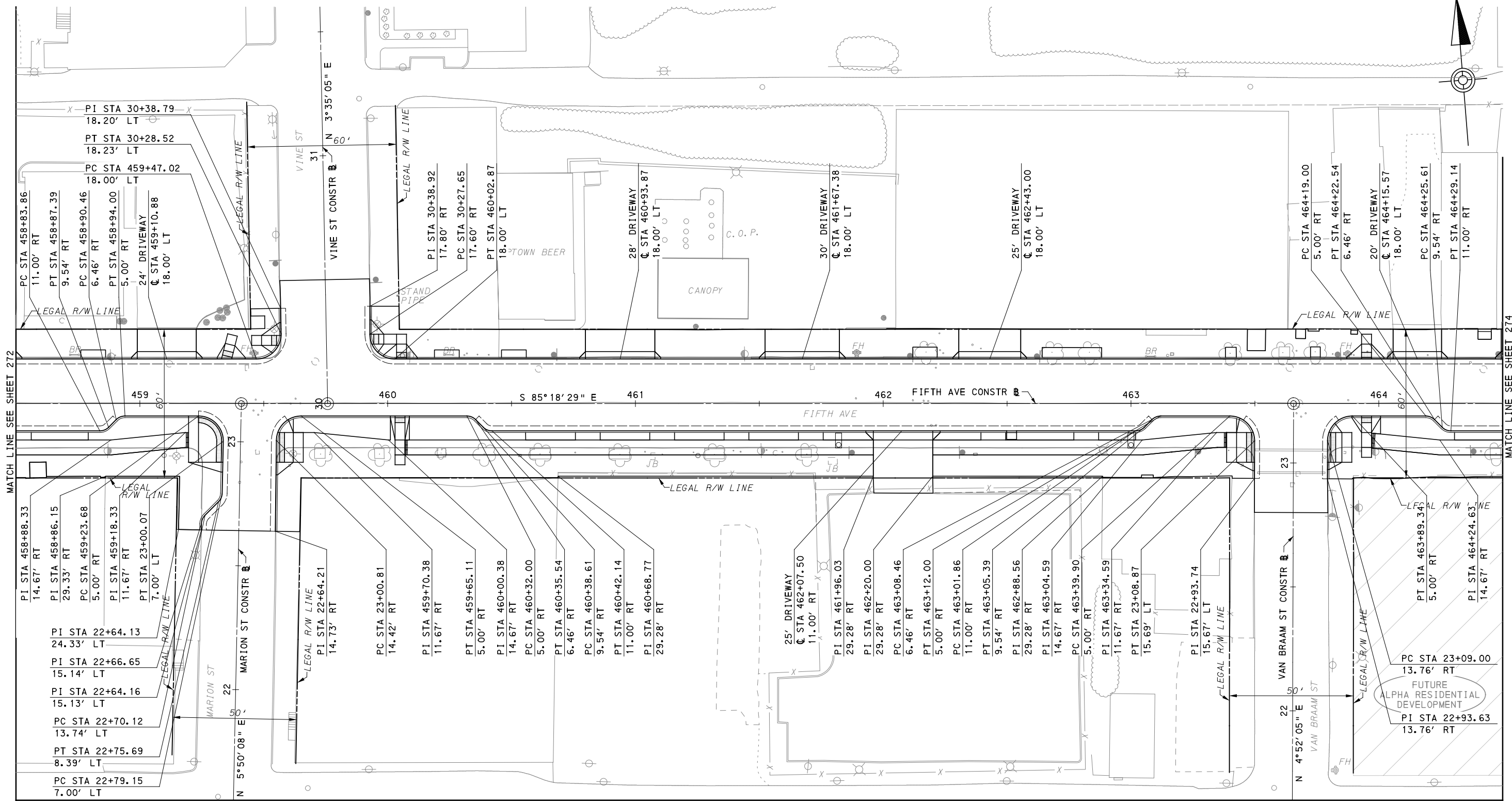
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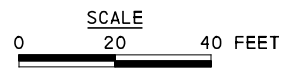
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND CIVIL LAYOUT PLANS FIFTH AVE - STA 454+50 TO STA 458+50		
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. CL5	SHT. 272

[FOR ROADWAY PLAN SEE SHEET 361]



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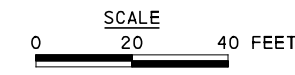
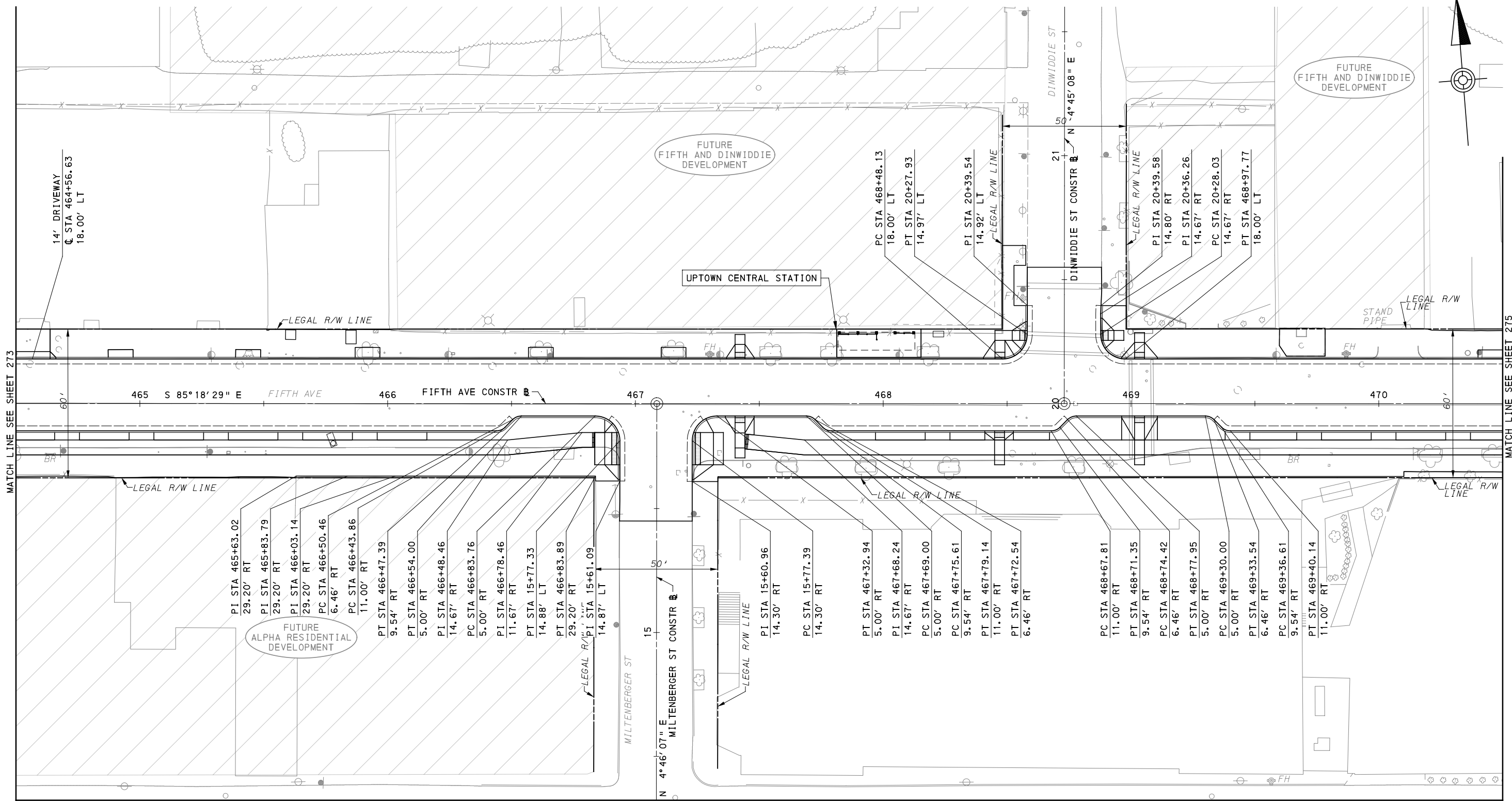
(FOR ROADWAY PLAN SEE SHEET 362)

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
CIVIL LAYOUT PLANS
FIFTH AVE - STA 458+50 TO STA 464+50

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CONTRACT NO. BRT-001	
DWG. NO. CL6	SHT. 273



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CHECKED	<u>BFS</u>
IN CHARGE	<u>LAR</u>
DATE	<u>05/01/24</u>
SCALE	AS SHOWN

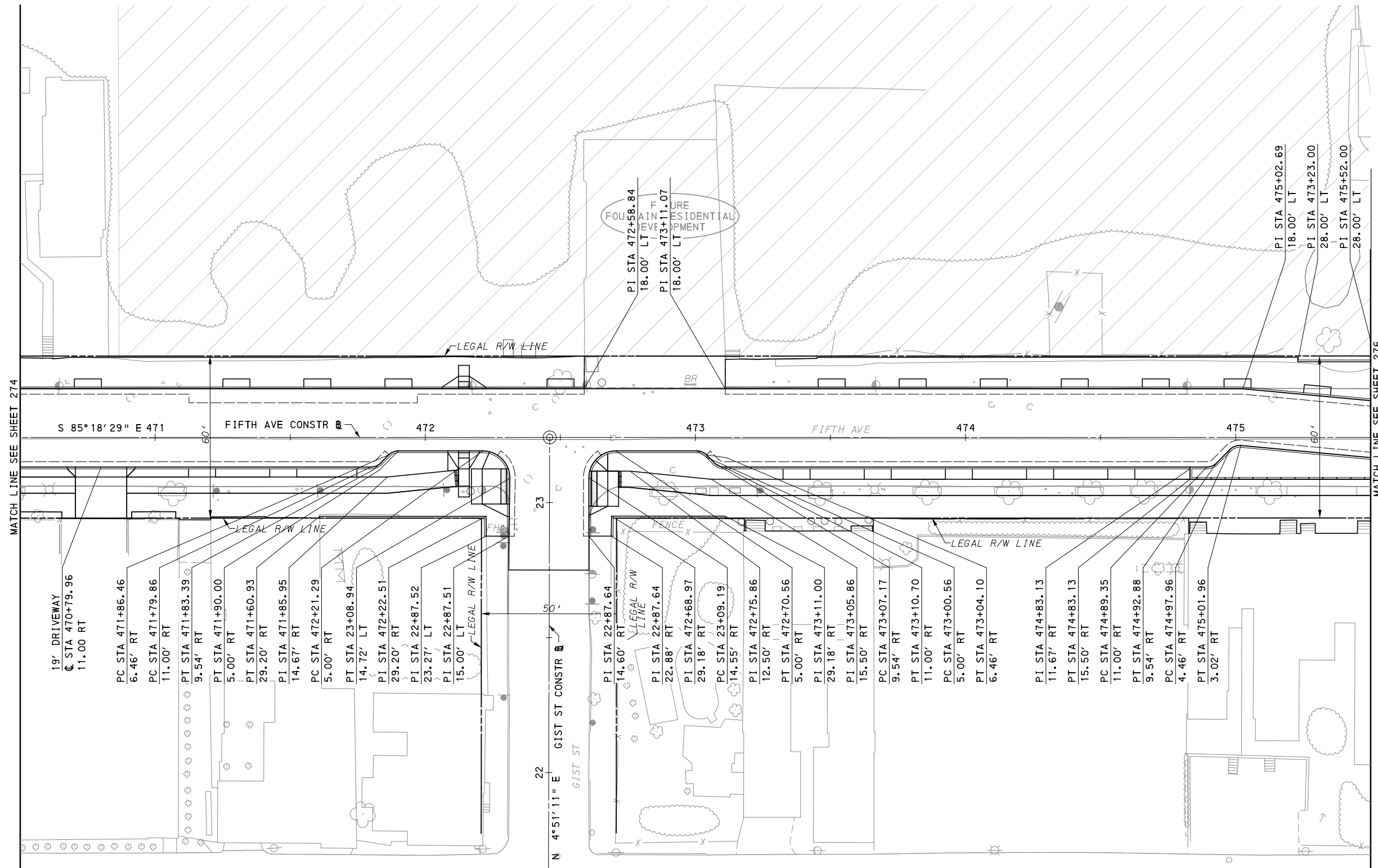
[FOR ROADWAY PLAN SEE SHEET 363]

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FIFTH AVE - STA 464+50 TO STA 470+50

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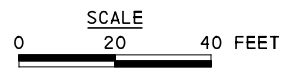
CONTRACT NO. BRT-001	
DWG. NO. CL7	SHT. 274



MATCH LINE SEE SHEET 274

MATCH LINE SEE SHEET 276

MATCH LINE SEE SHEET 299



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CHECKED	<u>BFS</u>
IN CHARGE	<u>LAR</u>
DATE	<u>05/01/24</u>
SCALE	AS SHOWN

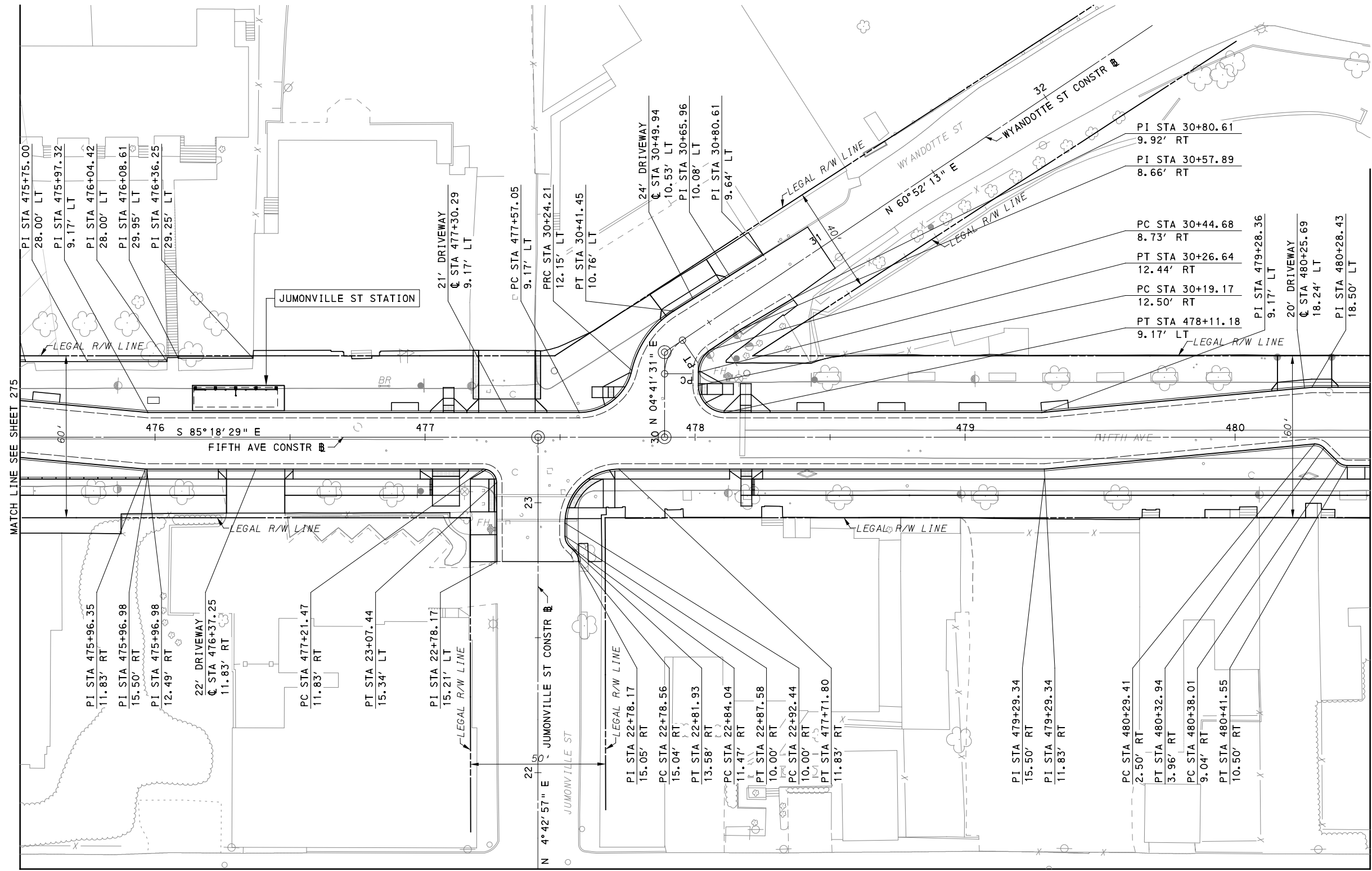
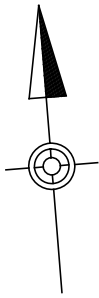
(FOR ROADWAY PLAN SEE SHEET 364)

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

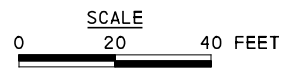
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FIFTH AVE - STA 470+50 TO STA 475+50

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CONTRACT NO. BRT-001	
DWG. NO. CL8	SHT. 275



MATCH LINE SEE SHEET 300



MATCH LINE SEE SHEET 277

FOR ROADWAY PLAN SEE SHEET 365



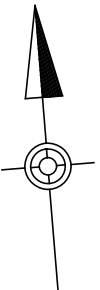
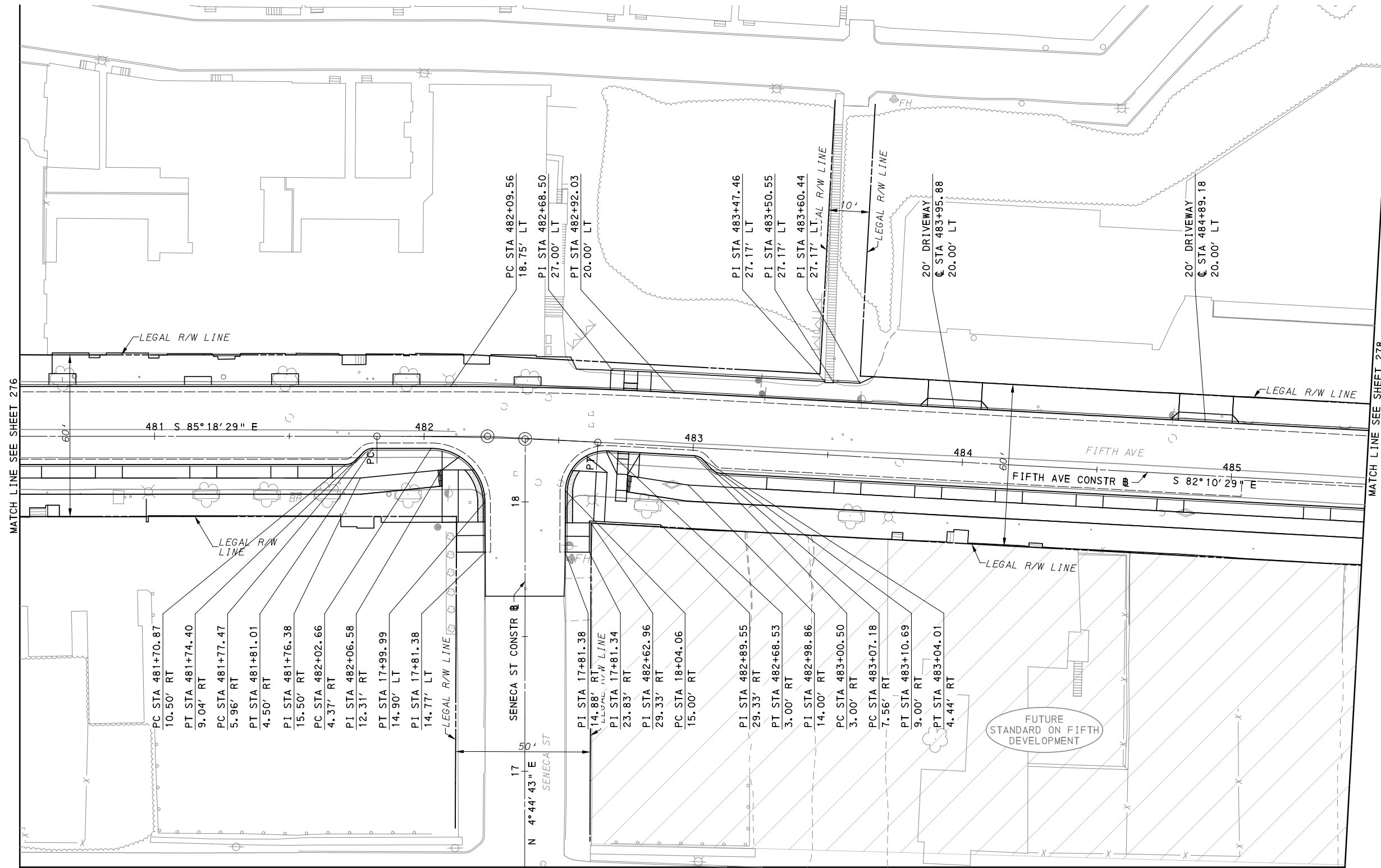
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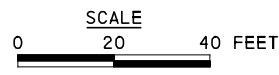
PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND CIVIL LAYOUT PLANS FIFTH AVE - STA 475+50 TO STA 480+50	
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	DWG. NO. CL9 SHT. 276



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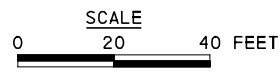
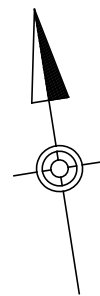
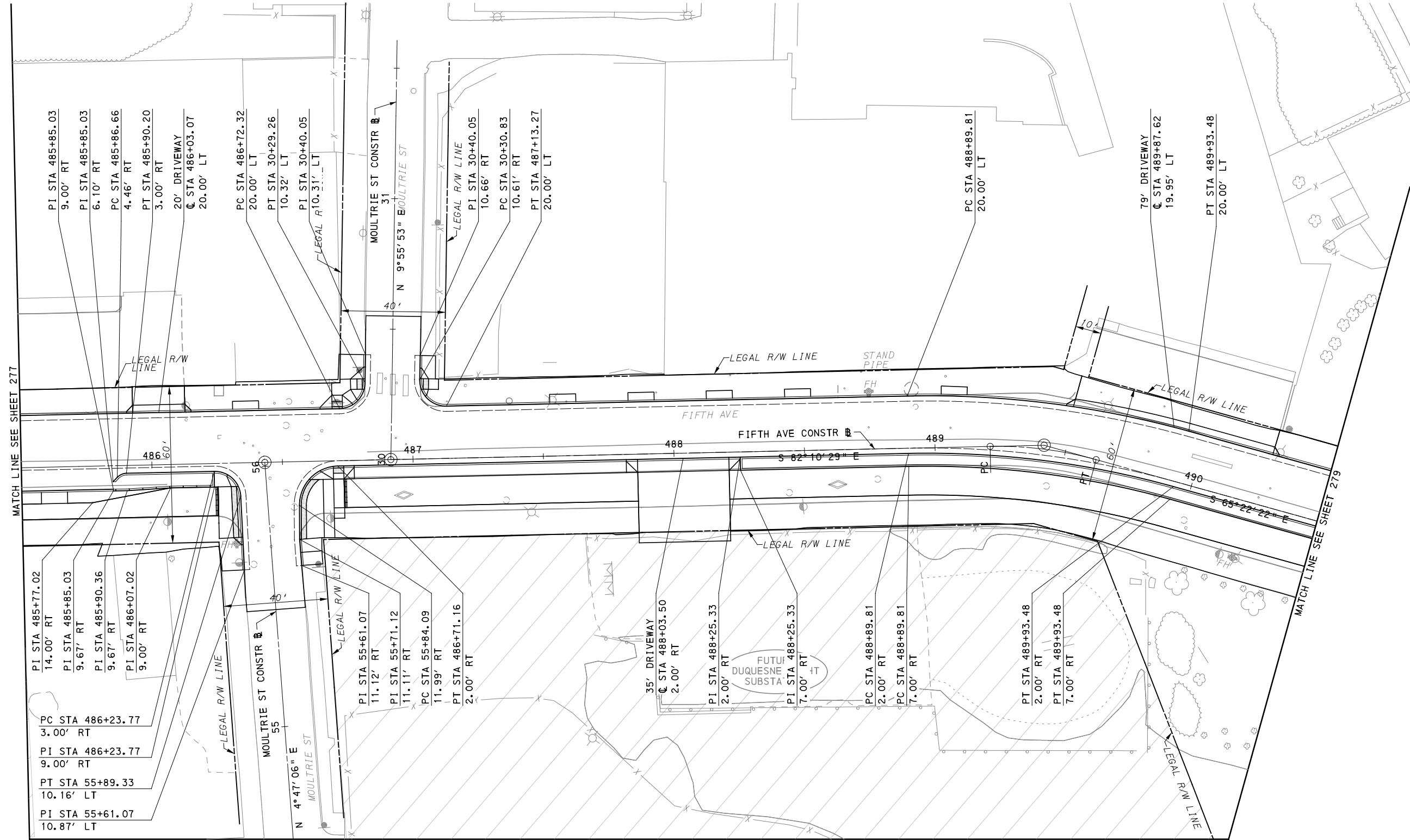
[FOR ROADWAY PLAN SEE SHEET 366]

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FIFTH AVE - STA 480+50 TO STA 485+50

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DWG. NO. CL10
SHT. 277



MATCH LINE SEE SHEET 302

FOR ROADWAY PLAN SEE SHEET 367

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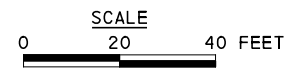
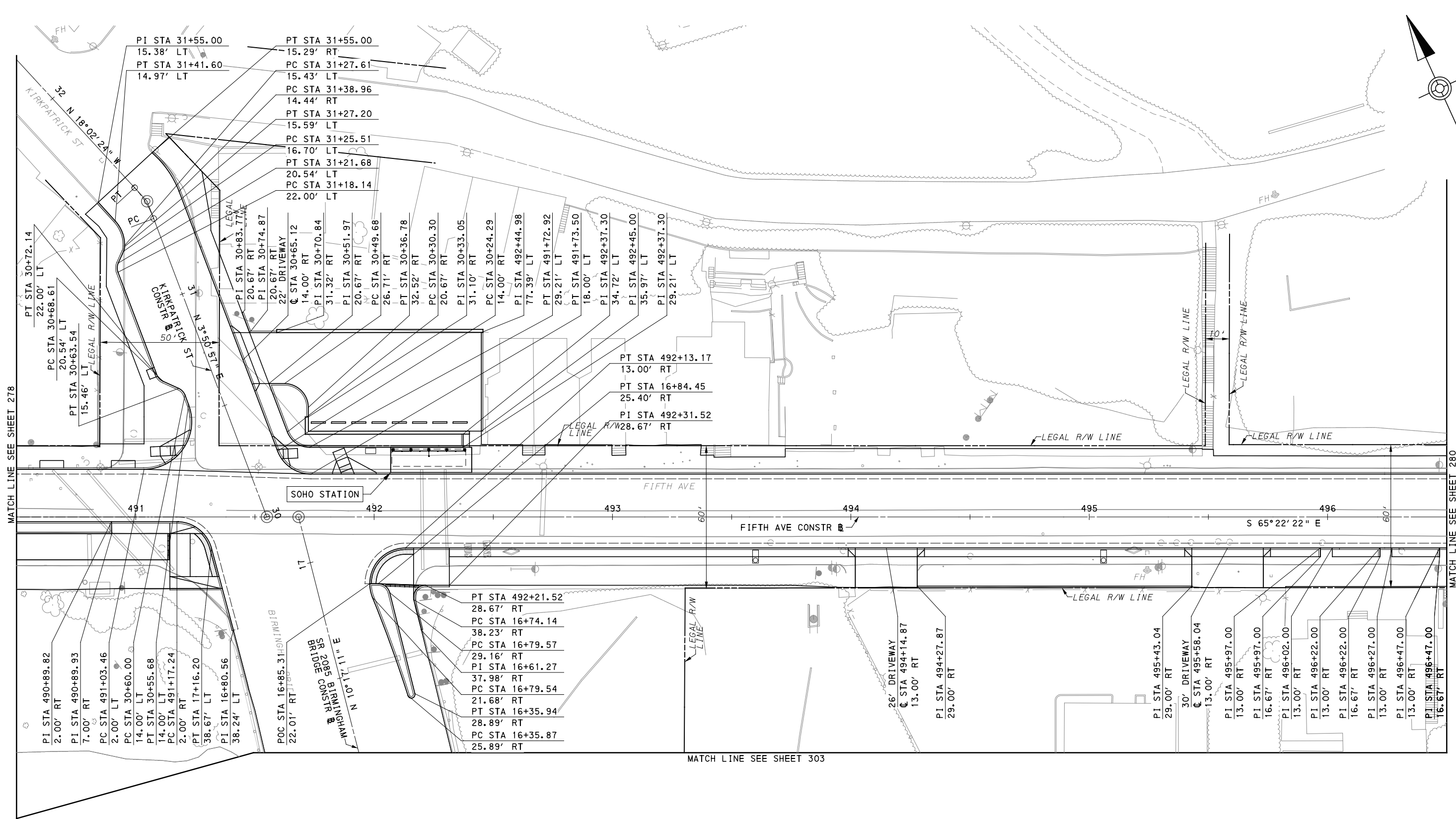
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CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
CIVIL LAYOUT PLANS
FIFTH AVE - STA 485+50 TO STA 490+50

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CONTRACT NO. BRT-001	
DWG. NO. CL11	SHT. 278



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DESIGNED	SDS
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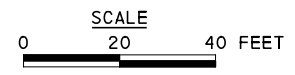
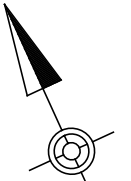
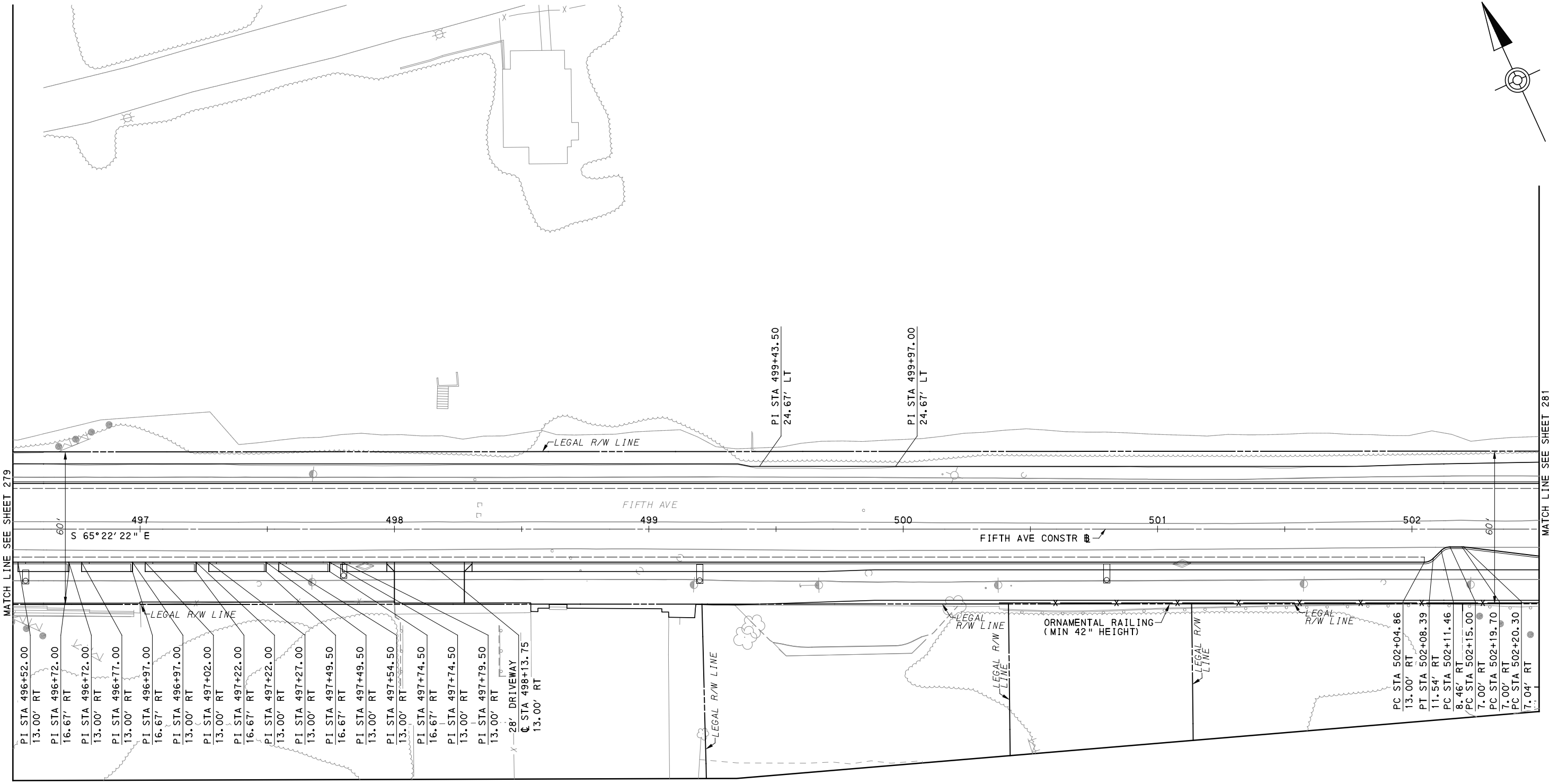
(FOR ROADWAY PLAN SEE SHEET 368)

PORT AUTHORITY OF ALLEGHENY COUNTY
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BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FIFTH AVE - STA 490+50 TO STA 496+50

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DWG. NO. CL12	SHT. 279



MATCH LINE SEE SHEET 279

MATCH LINE SEE SHEET 281

FOR ROADWAY PLAN SEE SHEET 369

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(NOT FOR CONSTRUCTION)

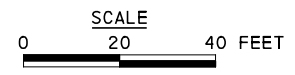
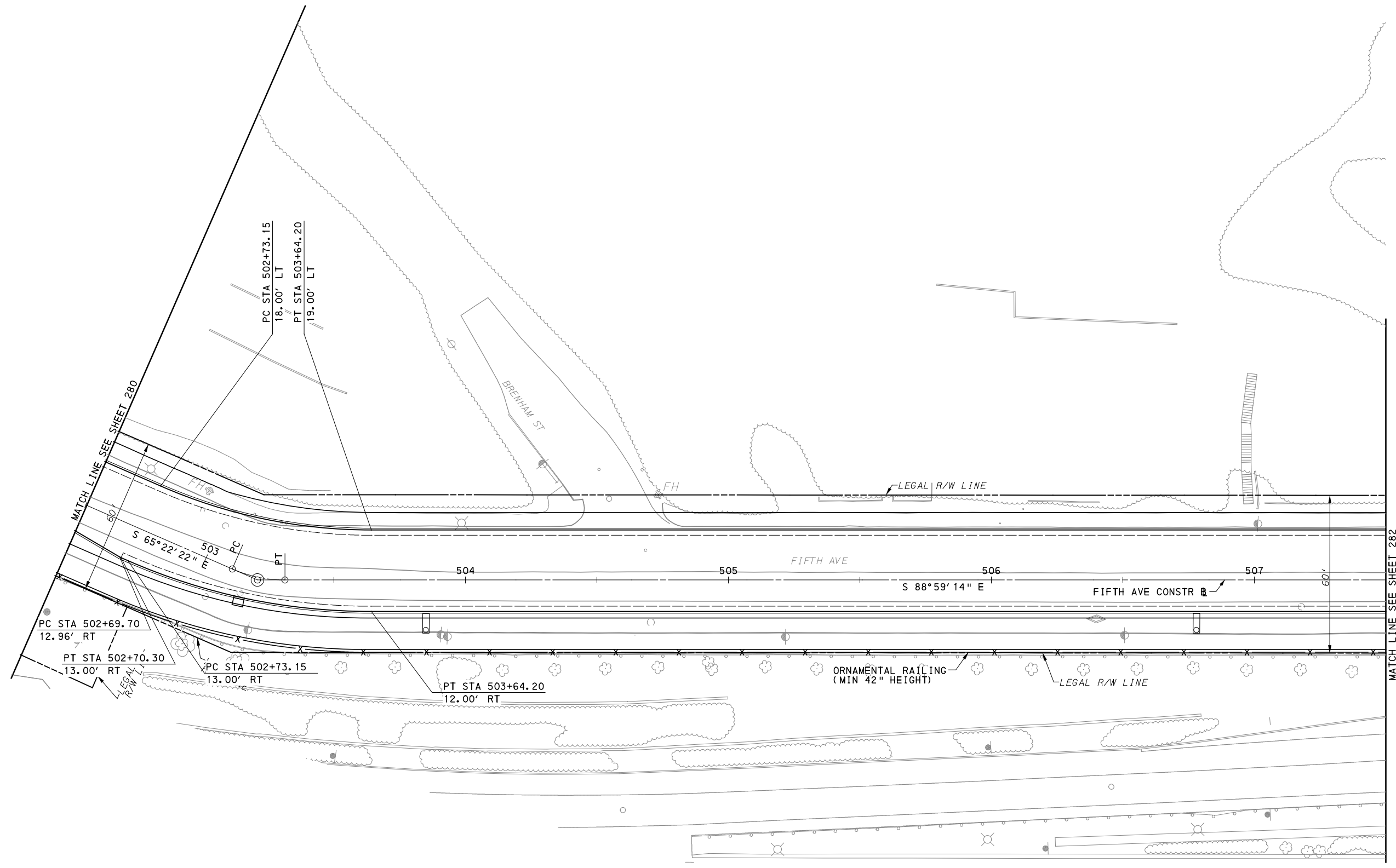
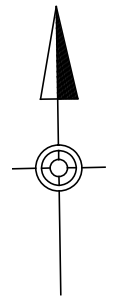
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CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FIFTH AVE - STA 496+50 TO STA 502+50

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CONTRACT NO. BRT-001	
DWG. NO. CL13	SHT. 280



[FOR ROADWAY PLAN SEE SHEET 370]

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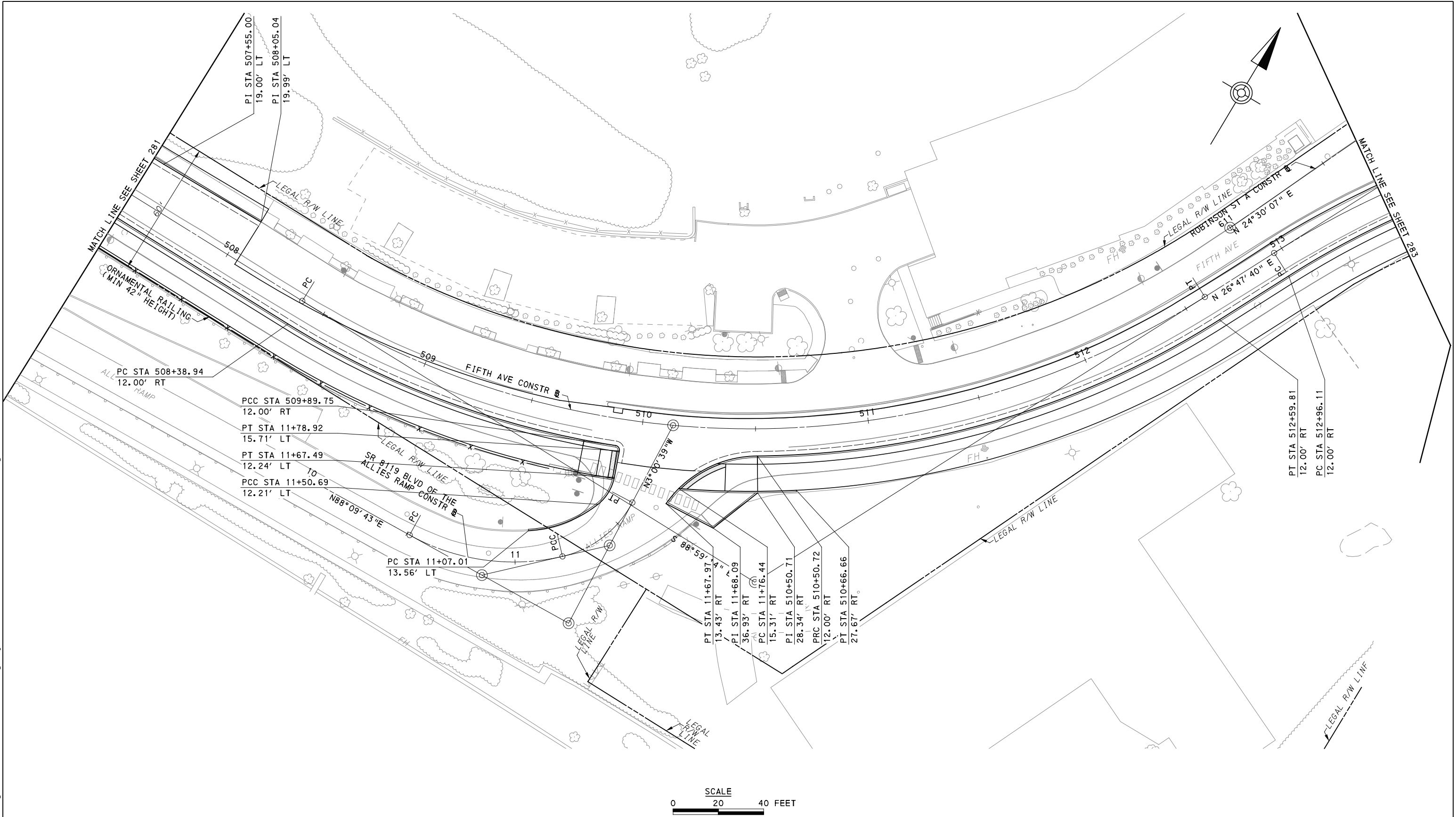
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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND CIVIL LAYOUT PLANS FIFTH AVE - STA 502+50 TO STA 507+50	
Port Authority <small>connecting people to life™</small>	CONTRACT NO. BRT-001
	DWG. NO. CL14 SHT. 281



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DESIGNED	SDS
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CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

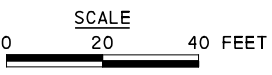
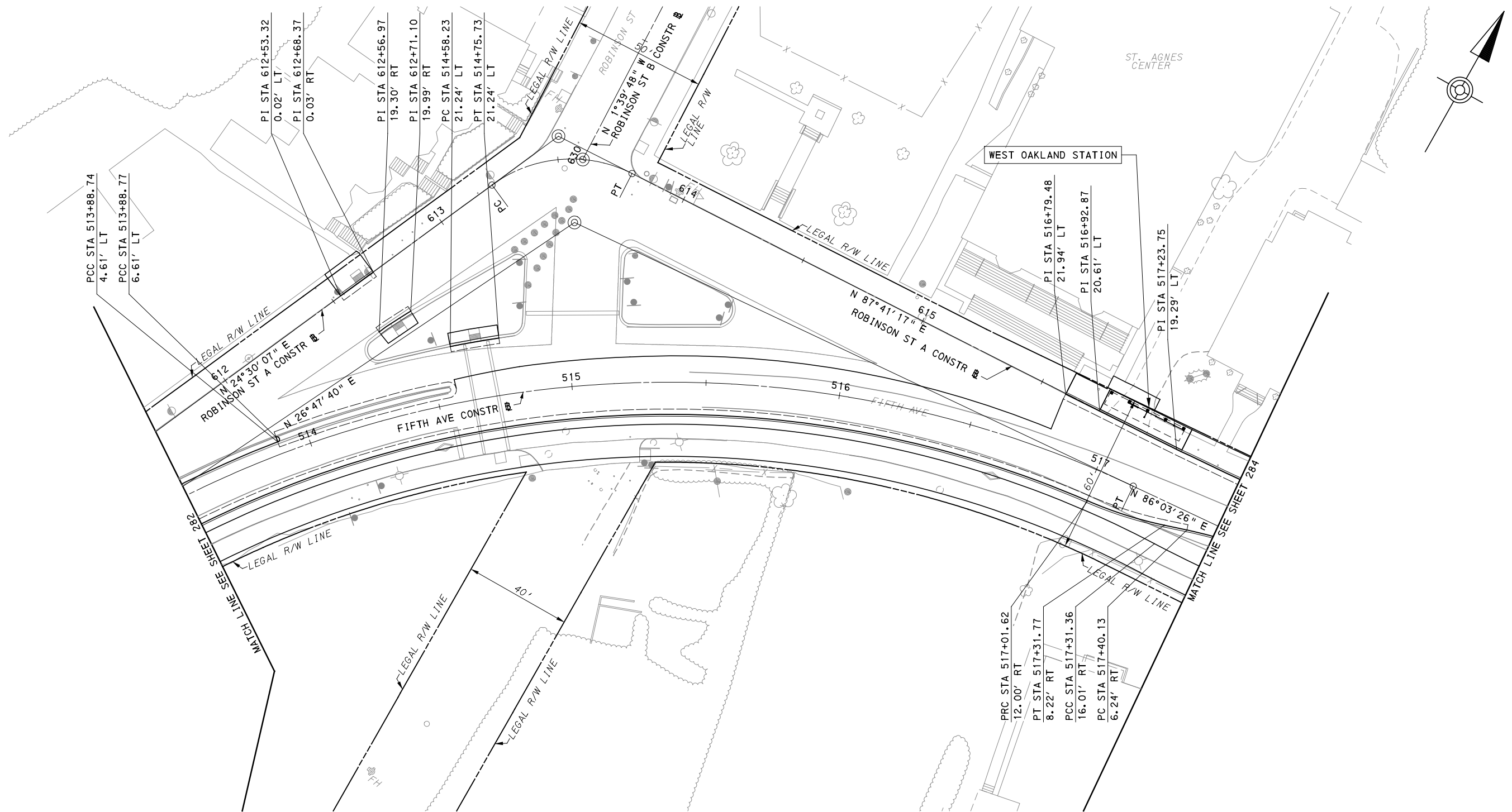
(FOR ROADWAY PLAN SEE SHEET 371)

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FIFTH AVE - STA 507+50 TO STA 513+50

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DWG. NO. CL15	SHT. 282



[FOR ROADWAY PLAN SEE SHEET 372]

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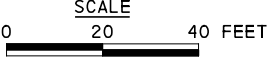
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CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FIFTH AVE - STA 513+50 TO STA 517+50

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CONTRACT NO. BRT-001	
DWG. NO. CL16	SHT. 283



[FOR ROADWAY PLAN SEE SHEET 373]



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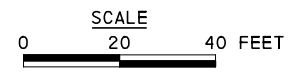
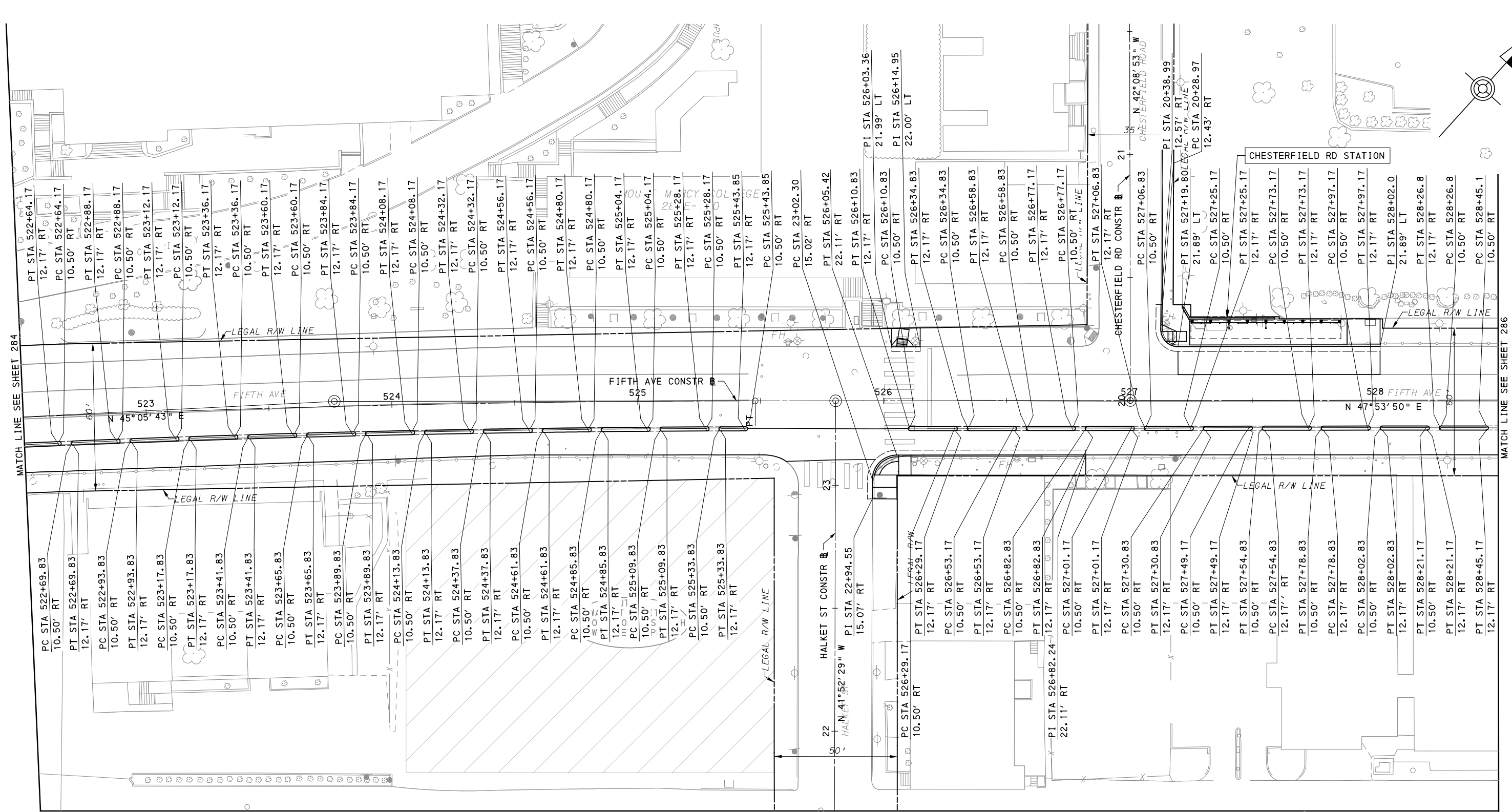
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IN CHARGE	<u>LAR</u>
DATE	<u>05/01/24</u>
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
CIVIL LAYOUT PLANS
FIFTH AVE - STA 517+50 TO STA 522+50

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DWG. NO. CL17	SHT. 284



[FOR ROADWAY PLAN SEE SHEET 374]

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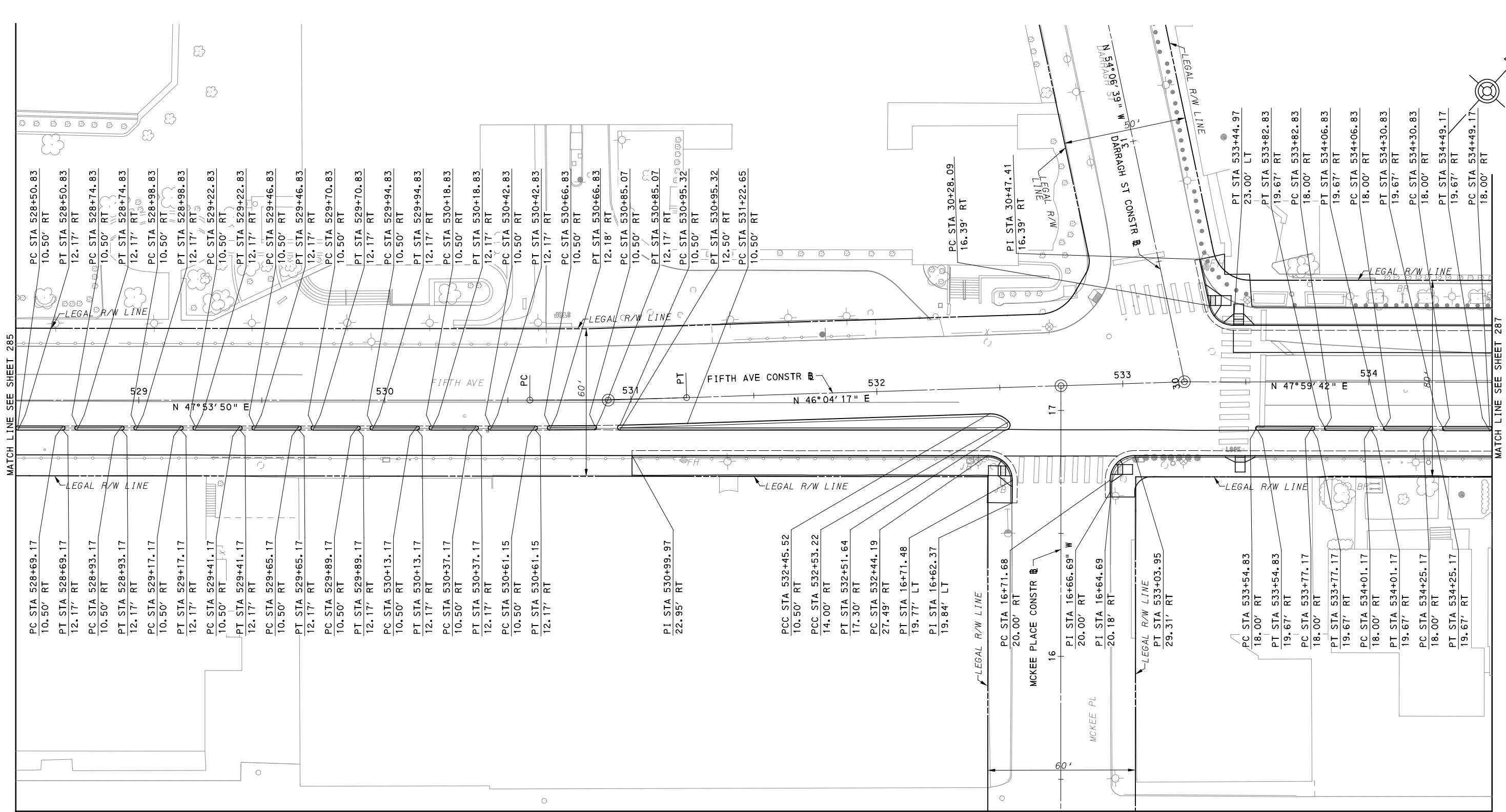
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

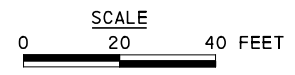
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FIFTH AVE - STA 522+50 TO STA 528+50

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DWG. NO. CL18	SHT. 285



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DATE	<u>05/01/24</u>
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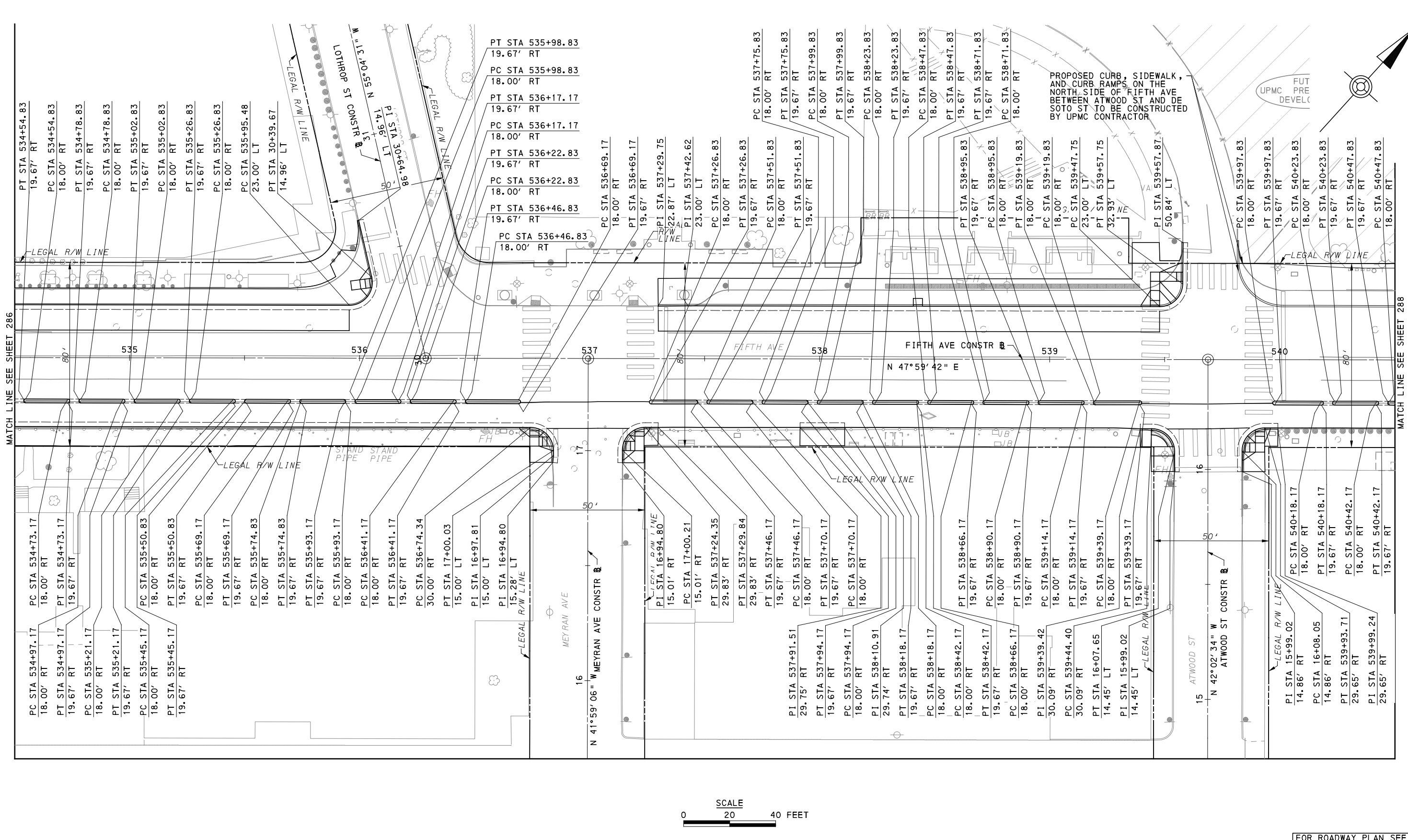
(FOR ROADWAY PLAN SEE SHEET 375)

PORT AUTHORITY OF ALLEGHENY COUNTY
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BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FIFTH AVE - STA 528+50 TO STA 534+50

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CONTRACT NO. BRT-001	
DWG. NO. CL19	SHT. 286

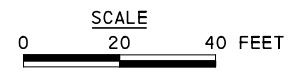


PROPOSED CURB, SIDEWALK, AND CURB RAMPS ON THE NORTH SIDE OF FIFTH AVE BETWEEN ATWOOD ST AND DE SOTO ST TO BE CONSTRUCTED BY UPMC CONTRACTOR

FUT
PRE
DEVEL

MATCH LINE SEE SHEET 286

MATCH LINE SEE SHEET 288



FOR ROADWAY PLAN SEE SHEET 376



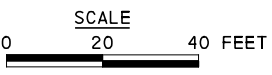
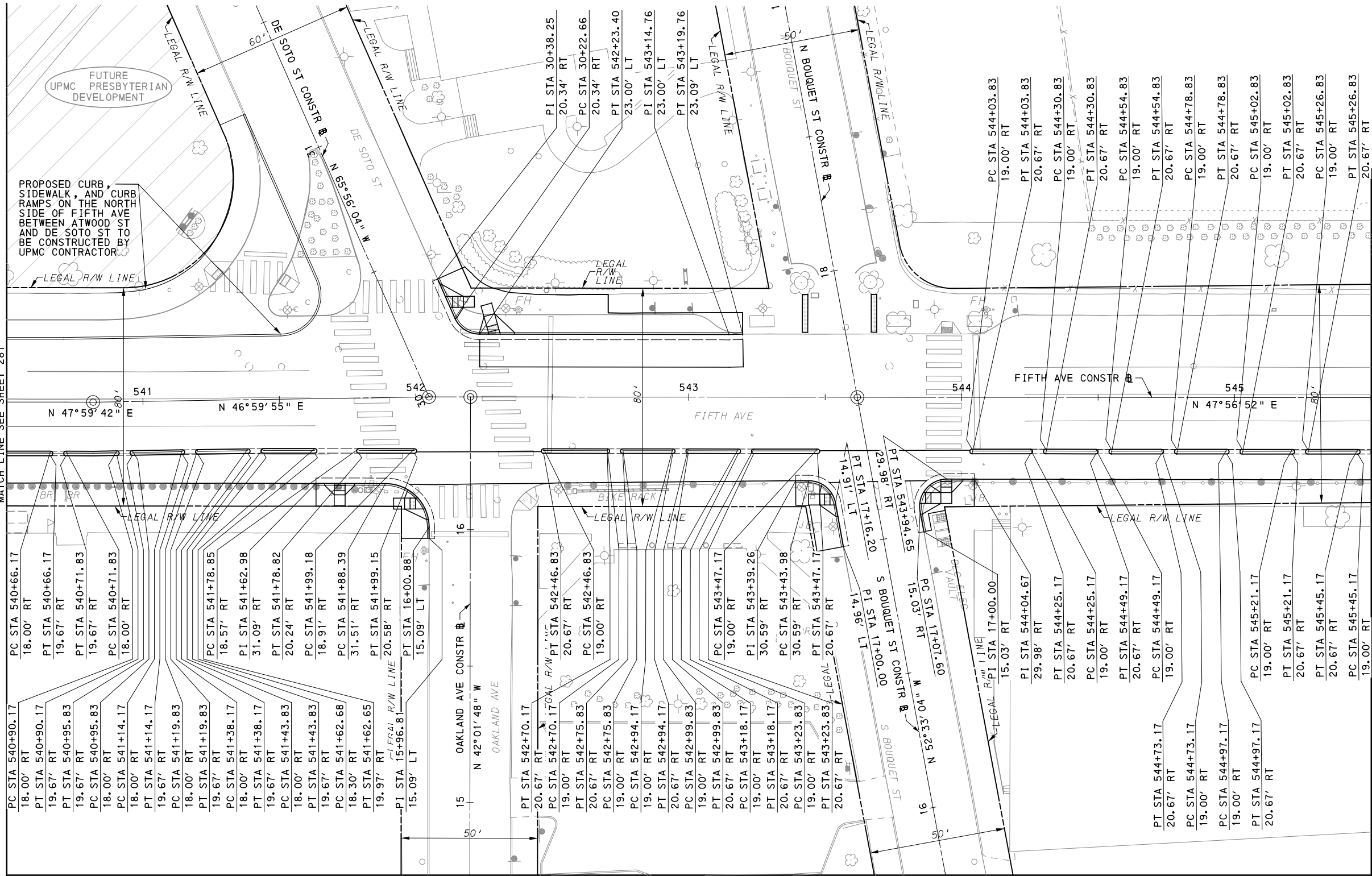
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CHECKED	<u>BFS</u>
IN CHARGE	<u>LAR</u>
DATE	<u>05/01/24</u>
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND CIVIL LAYOUT PLANS FIFTH AVE - STA 534+50 TO STA 540+50	
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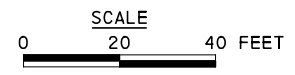
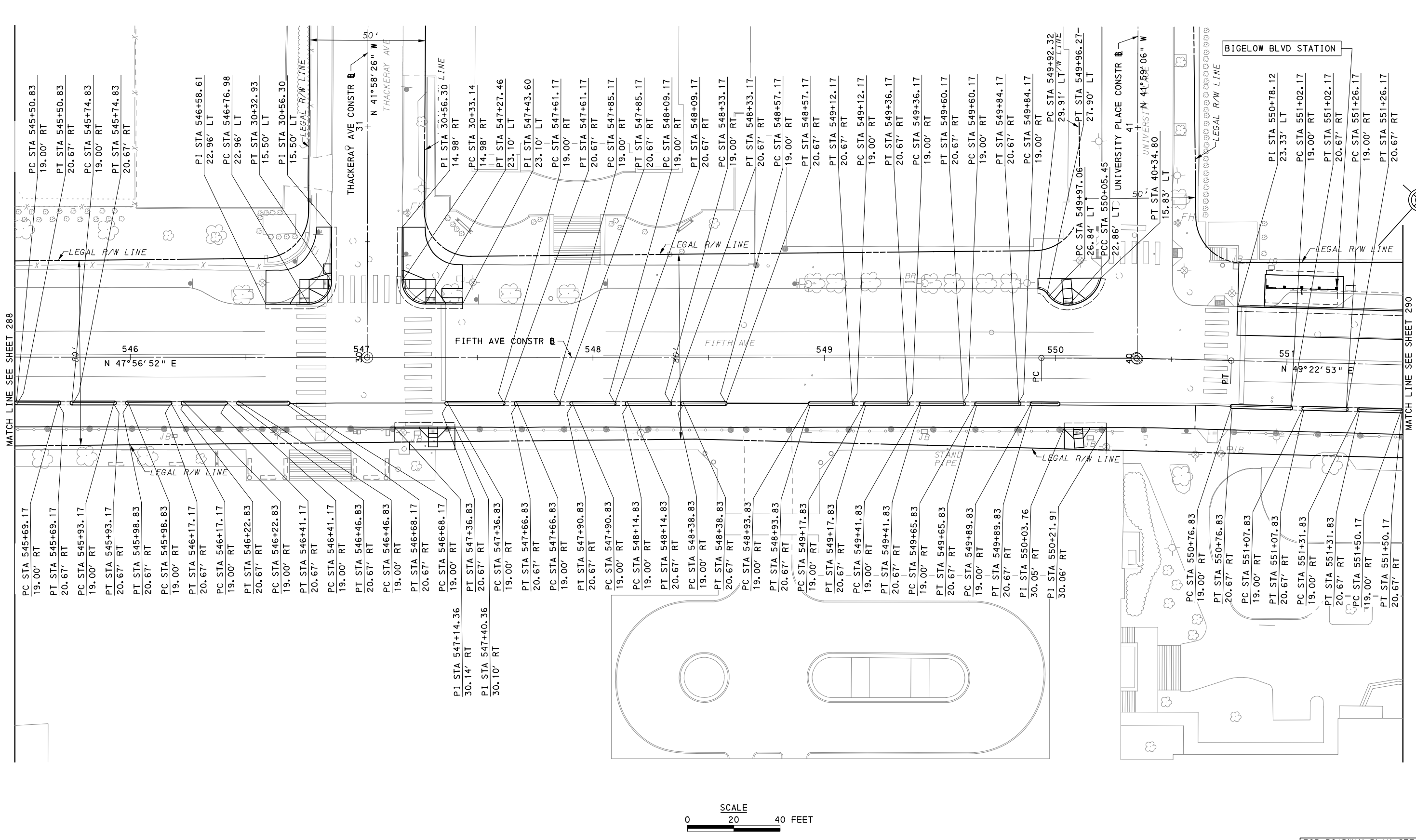
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CHECKED	<u>BFS</u>
IN CHARGE	<u>LAR</u>
DATE	<u>05/01/24</u>
SCALE	AS SHOWN

[FOR ROADWAY PLAN SEE SHEET 377]

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FIFTH AVE - STA 540+50 TO STA 545+50

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DATE	05/01/24
SCALE	AS SHOWN

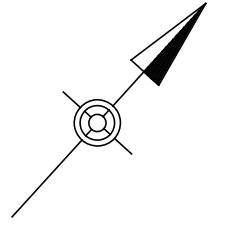
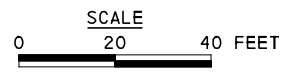
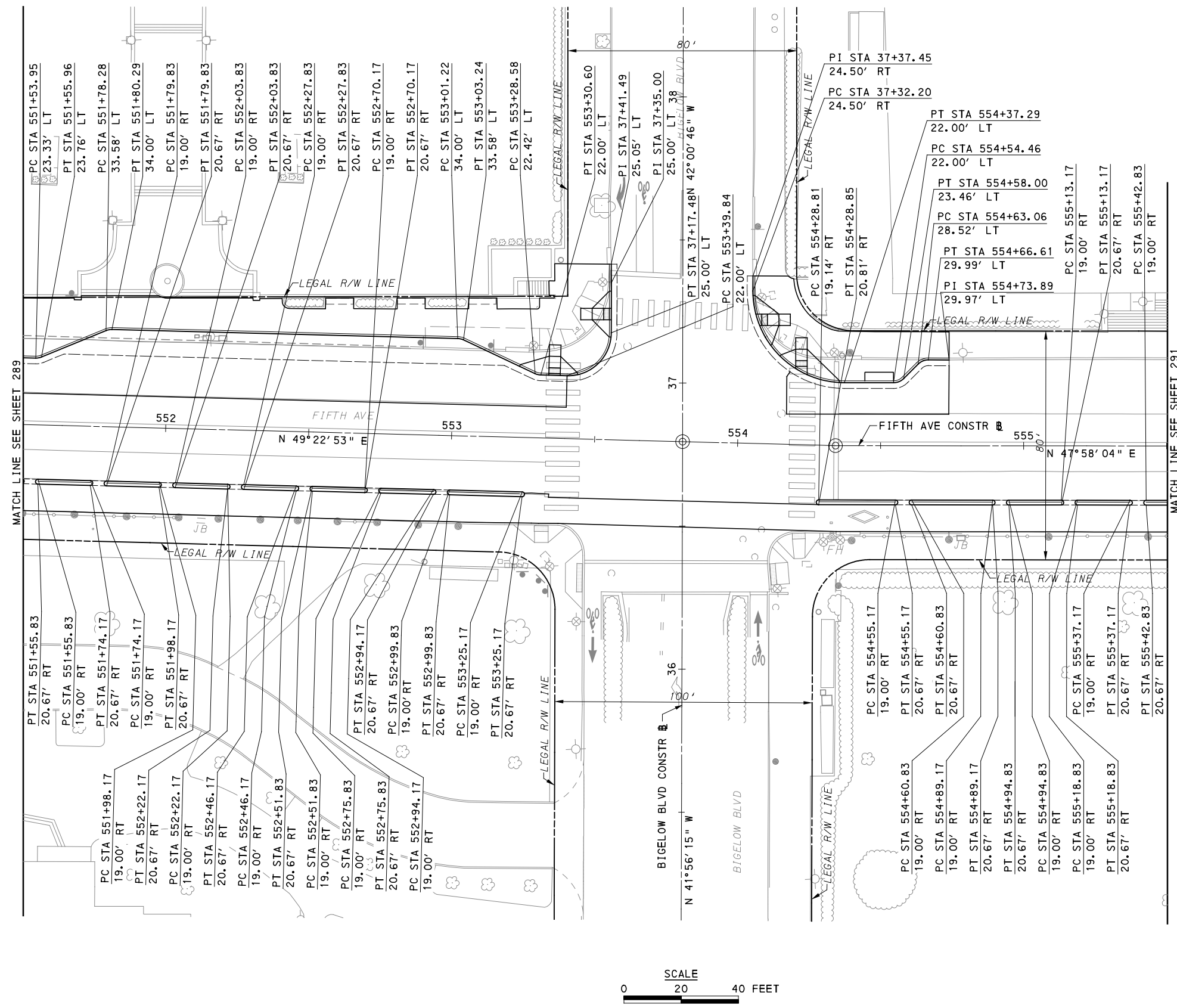
FOR ROADWAY PLAN SEE SHEET 378

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FIFTH AVE - STA 545+50 TO STA 551+50

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CONTRACT NO. BRT-001	
DWG. NO. CL22	SHT. 289



MATCH LINE SEE SHEET 289

MATCH LINE SEE SHEET 291

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DESIGNED	SDS
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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

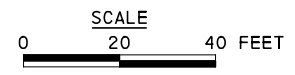
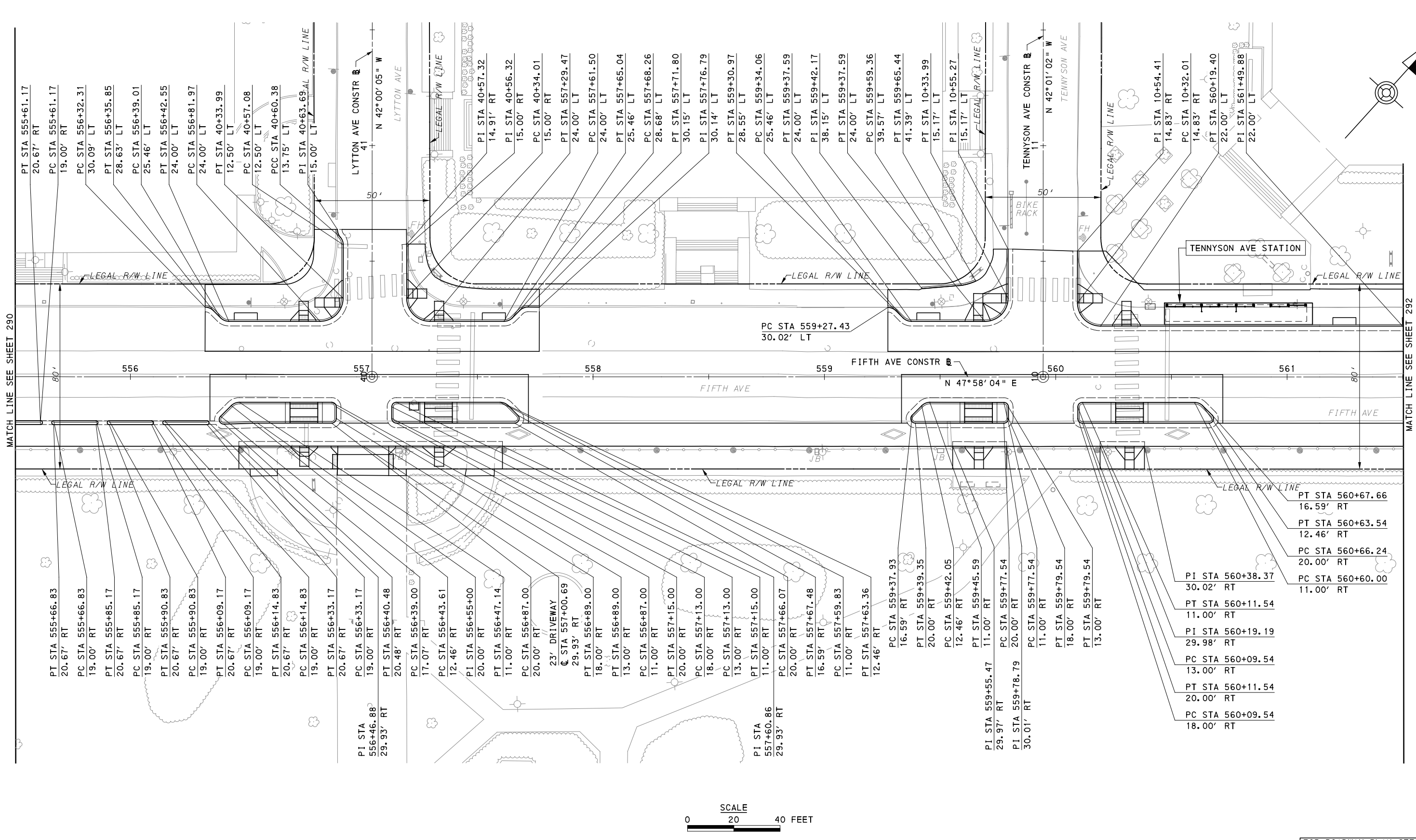
[FOR ROADWAY PLAN SEE SHEET 379]

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FIFTH AVE - STA 551+50 TO STA 555+50

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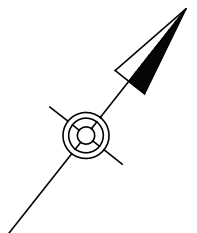
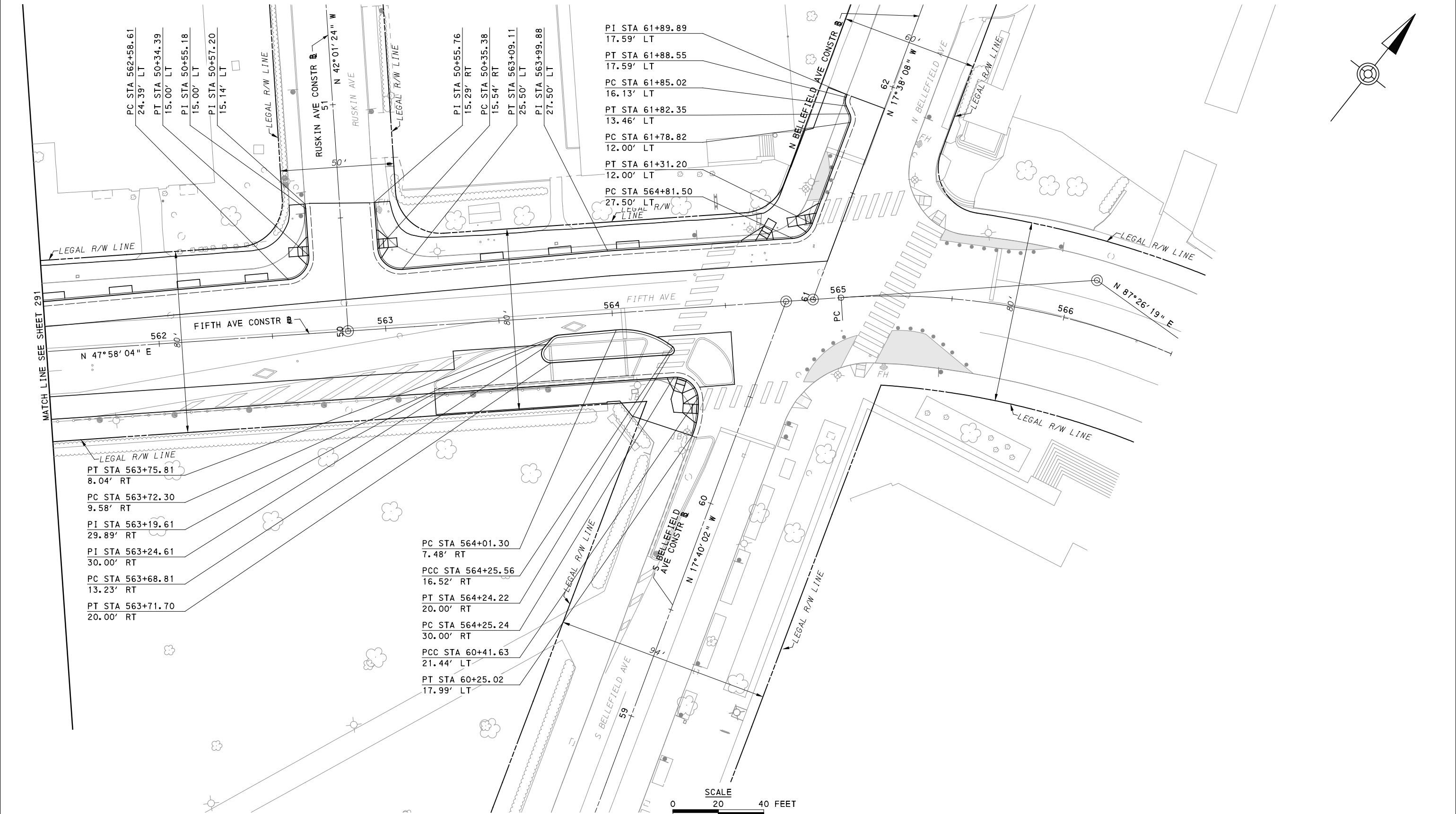
(FOR ROADWAY PLAN SEE SHEET 380)

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FIFTH AVE - STA 555+50 TO STA 561+50

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[FOR ROADWAY PLAN SEE SHEET 381]

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 PITTSBURGH PENNSYLVANIA

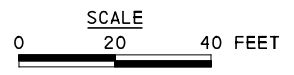
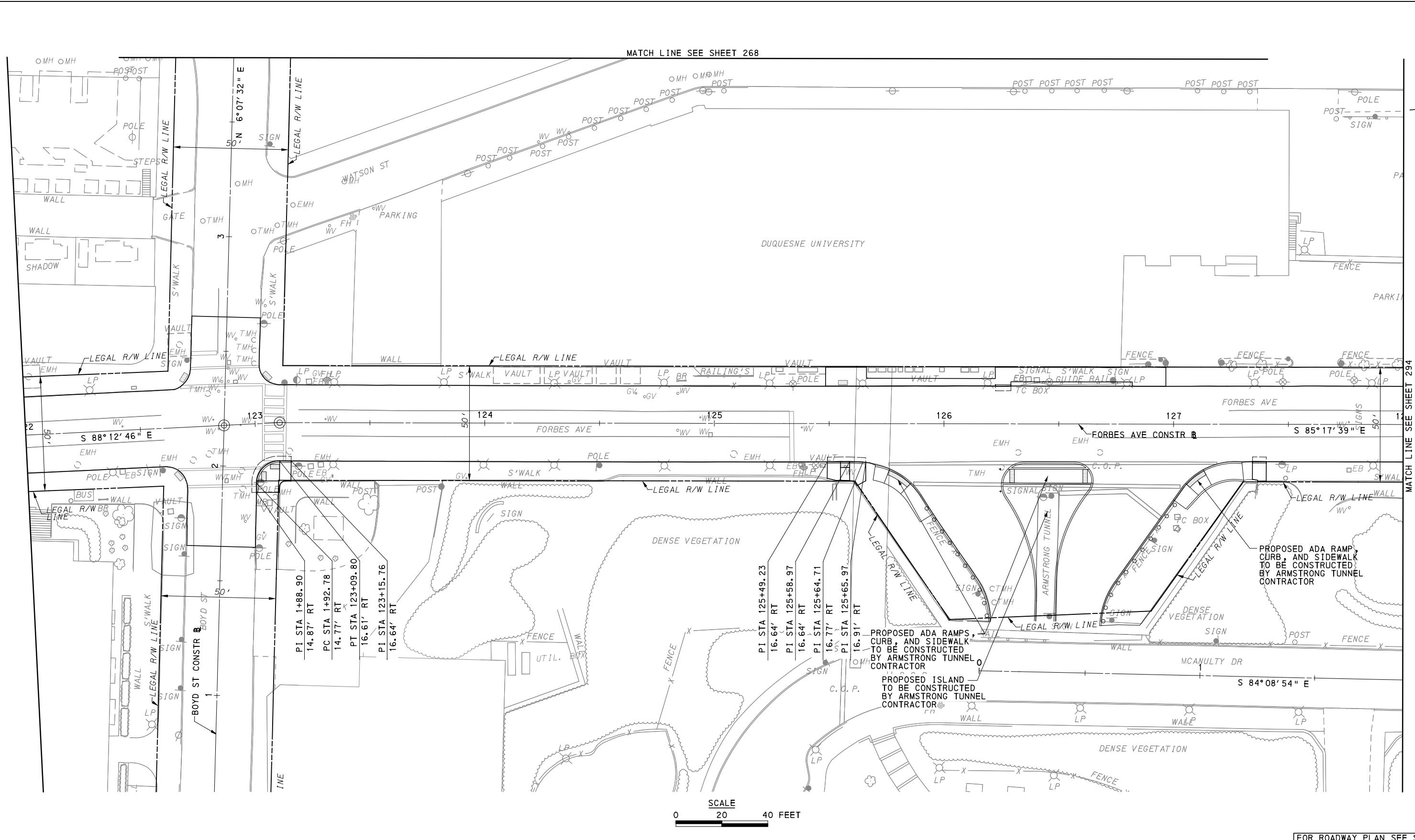
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FIFTH AVE - STA 561+50 TO STA 566+50

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FOR ROADWAY PLAN SEE SHEET 383

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Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219

GANNETT FLEMING
GANNETT FLEMING, INC.
Foster Plaza 8
Suite 400
730 Holiday Drive
Pittsburgh, PA. 15220

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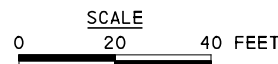
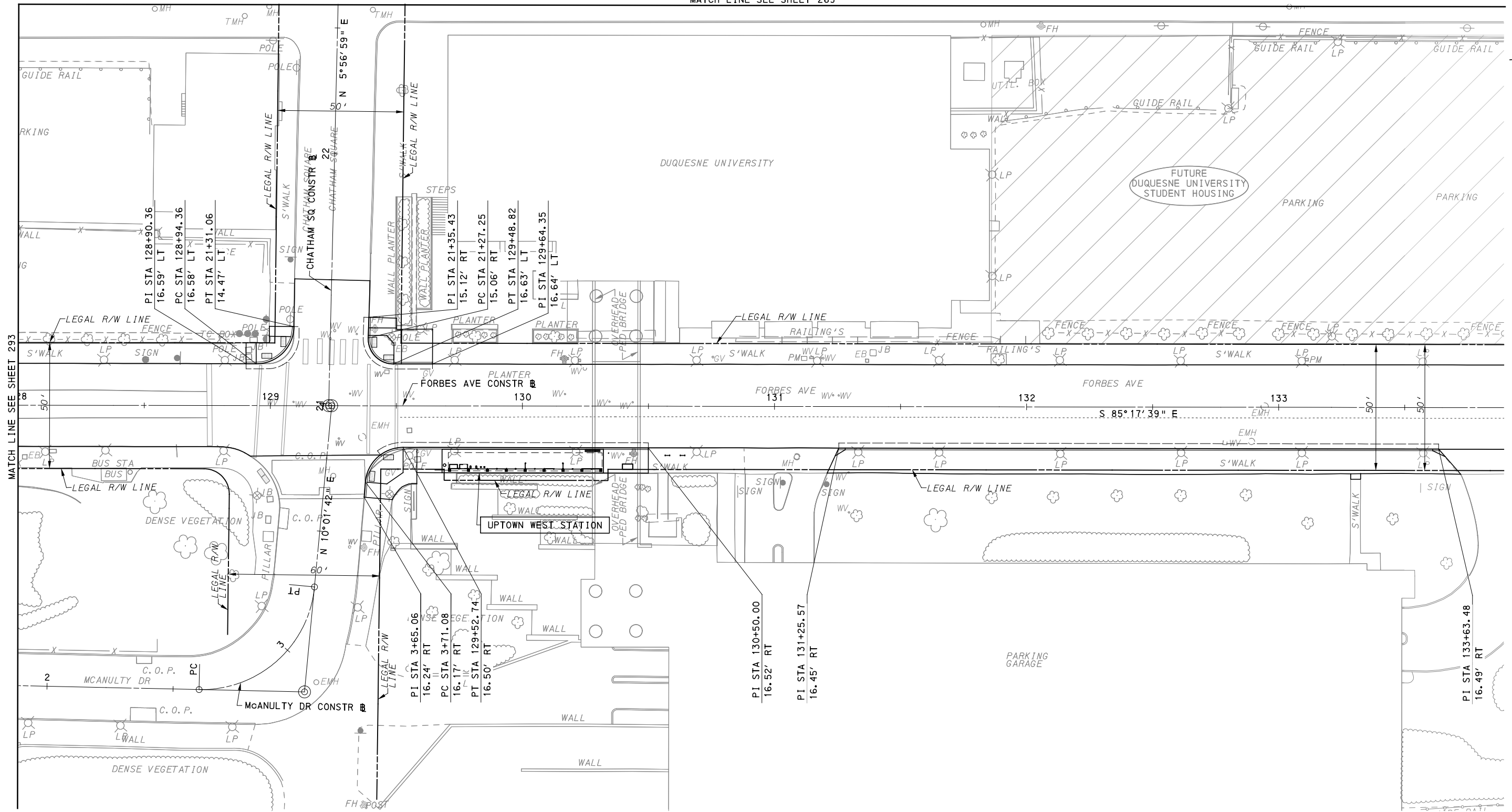
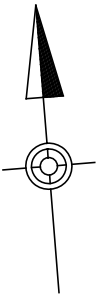
PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
CIVIL LAYOUT PLANS
FORBES AVE - STA 122+00 TO STA 128+00

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MATCH LINE SEE SHEET 269



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GANNETT FLEMING
 GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

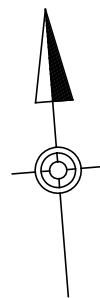
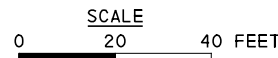
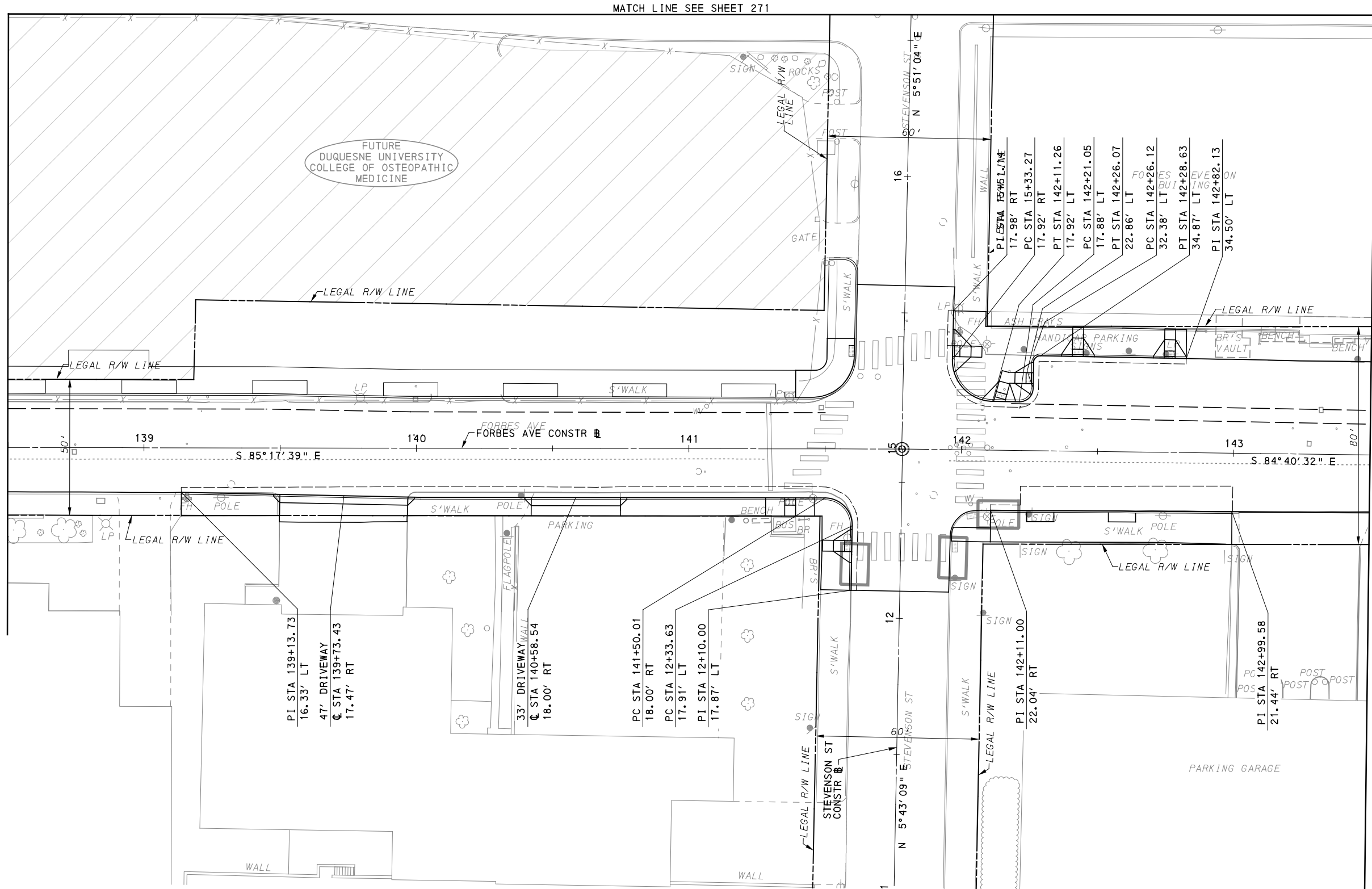
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND CIVIL LAYOUT PLANS FORBES AVE - STA 128+00 TO STA 133+50		
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[FOR ROADWAY PLAN SEE SHEET 386]

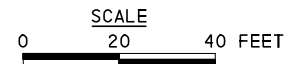
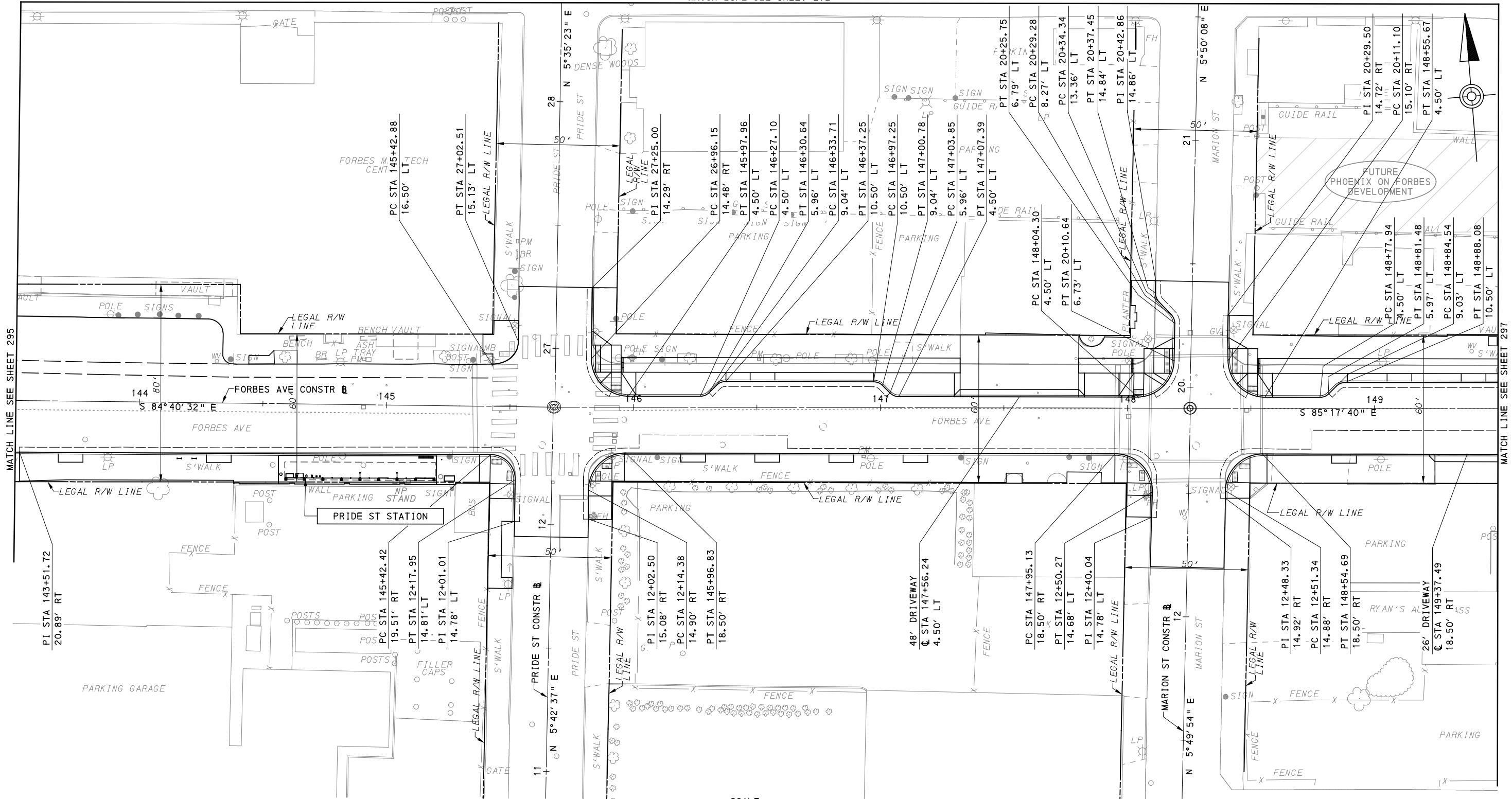
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FORBES AVE - STA 138+50 TO STA 143+50

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DWG. NO. CL28	SHT. 295

MATCH LINE SEE SHEET 272



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 730 Holiday Drive
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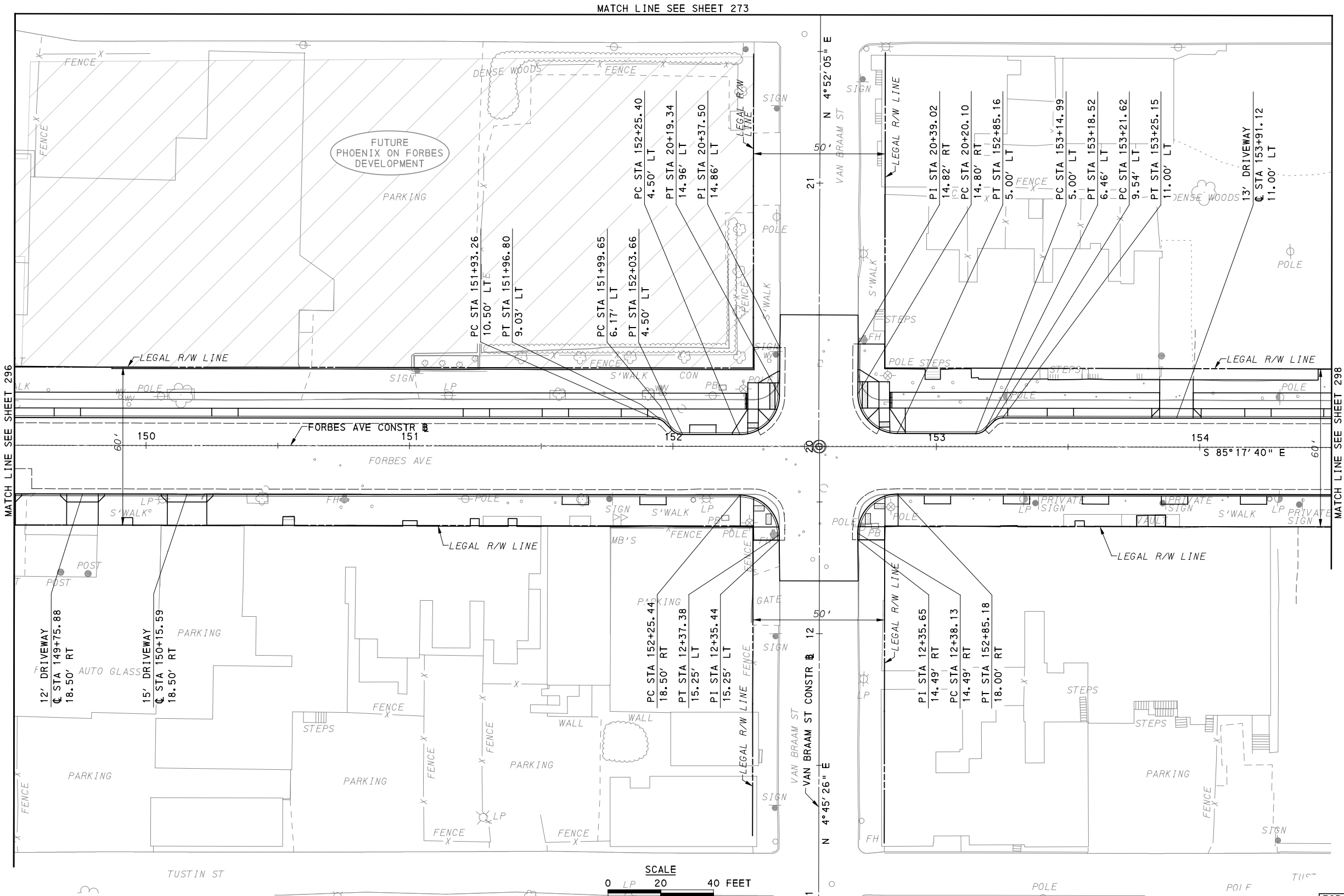
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IN CHARGE	GEC
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BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FORBES AVE - STA 143+50 TO STA 149+50

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DWG. NO. CL29	SHT. 296



MATCH LINE SEE SHEET 273

MATCH LINE SEE SHEET 296

MATCH LINE SEE SHEET 296

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Foster Plaza 8
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Pittsburgh, PA. 15220

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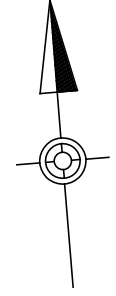
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IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

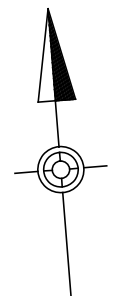
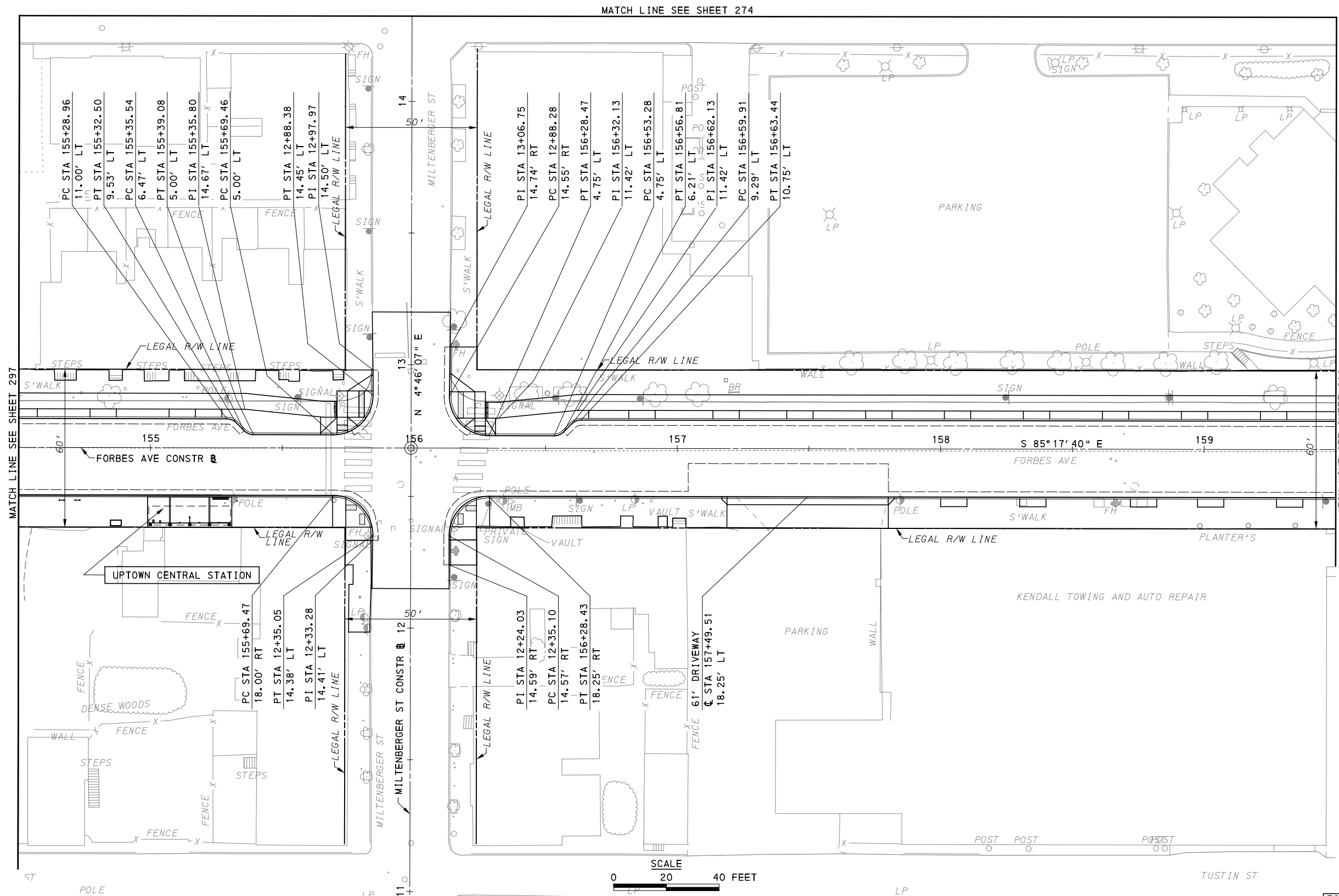
PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
CIVIL LAYOUT PLANS
FORBES AVE - STA 149+50 TO STA 154+50

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CONTRACT NO. BRT-001	
DWG. NO. CL30	SHT. 297





FOR ROADWAY PLAN SEE SHEET 389

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GANNETT FLEMING
GANNETT FLEMING, INC.
Foster Plaza 8
Suite 400
730 Holiday Drive
Pittsburgh, PA. 15220

NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

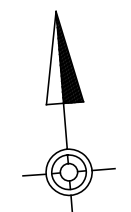
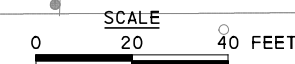
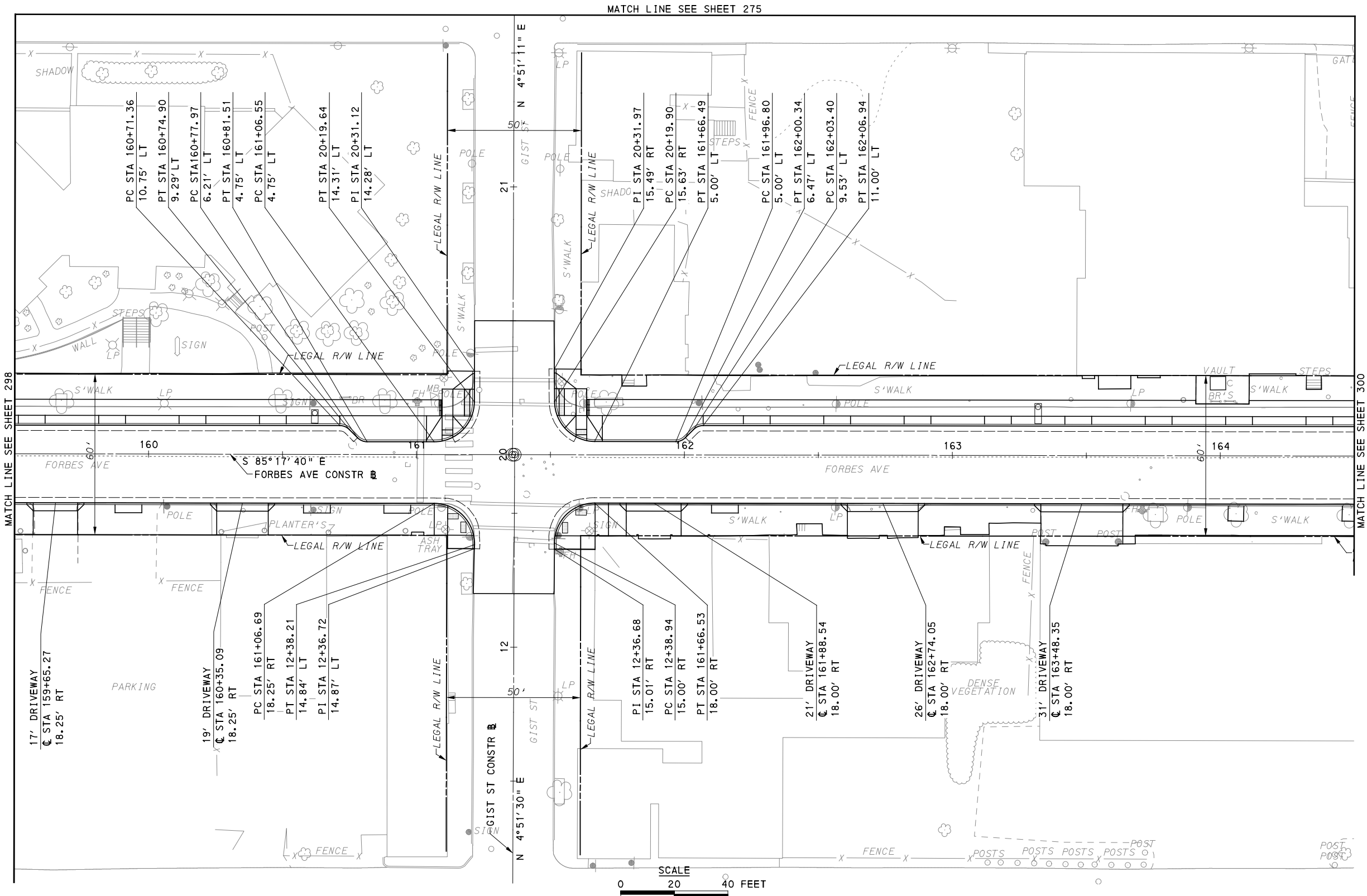
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CHECKED	KCF
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
CIVIL LAYOUT PLANS
FORBES AVE - STA 154+50 TO STA 159+50

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IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

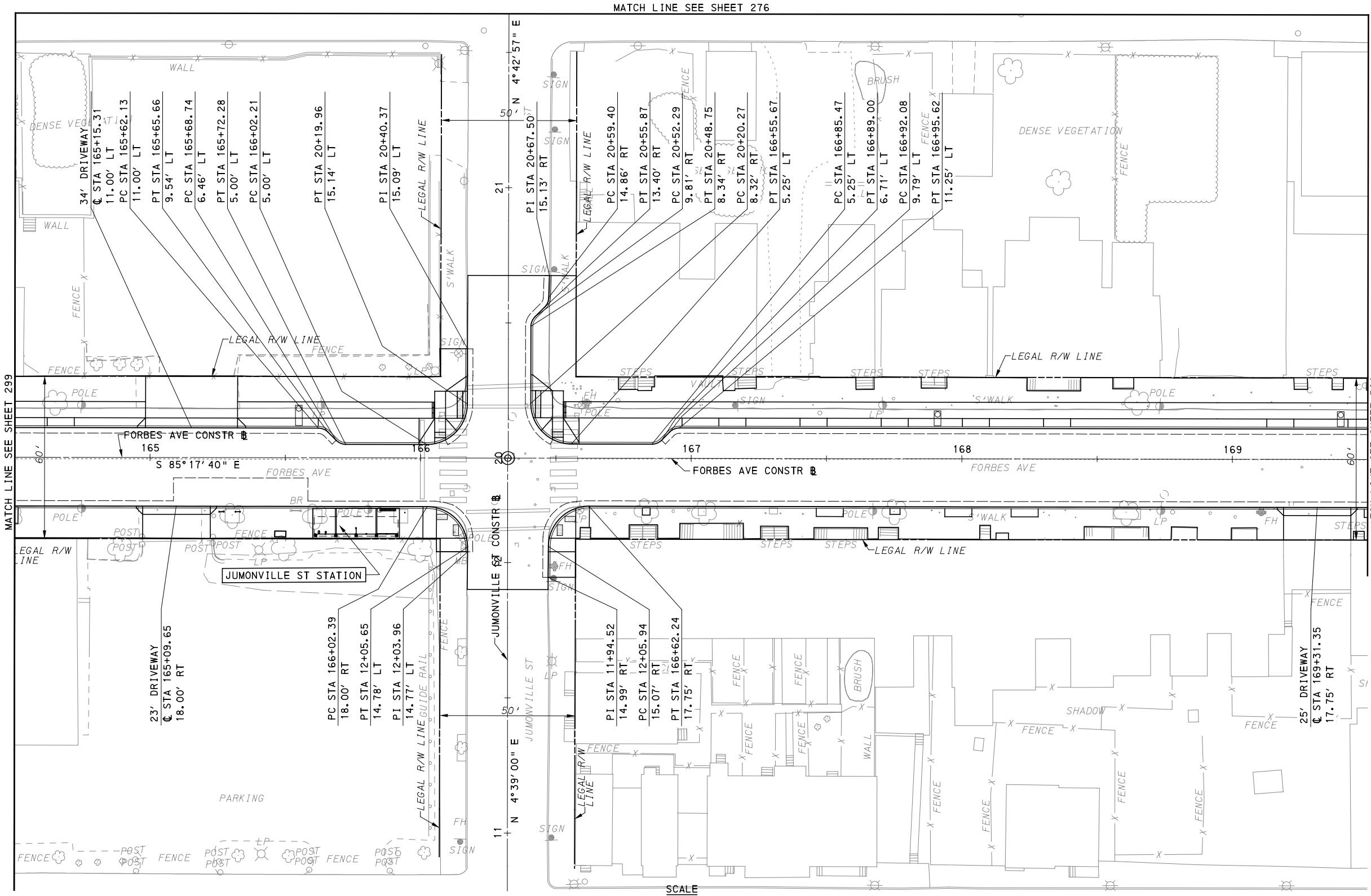
[FOR ROADWAY PLAN SEE SHEET 390]

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FORBES AVE - STA 159+50 TO STA 164+50

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DWG. NO. CL32	SHT. 299



MATCH LINE SEE SHEET 276

MATCH LINE SEE SHEET 299

MATCH LINE SEE SHEET 301

SCALE 0 20 40 FEET

FOR ROADWAY PLAN SEE SHEET 391



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Pittsburgh, PA 15219



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Foster Plaza 8
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730 Holiday Drive
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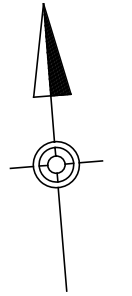
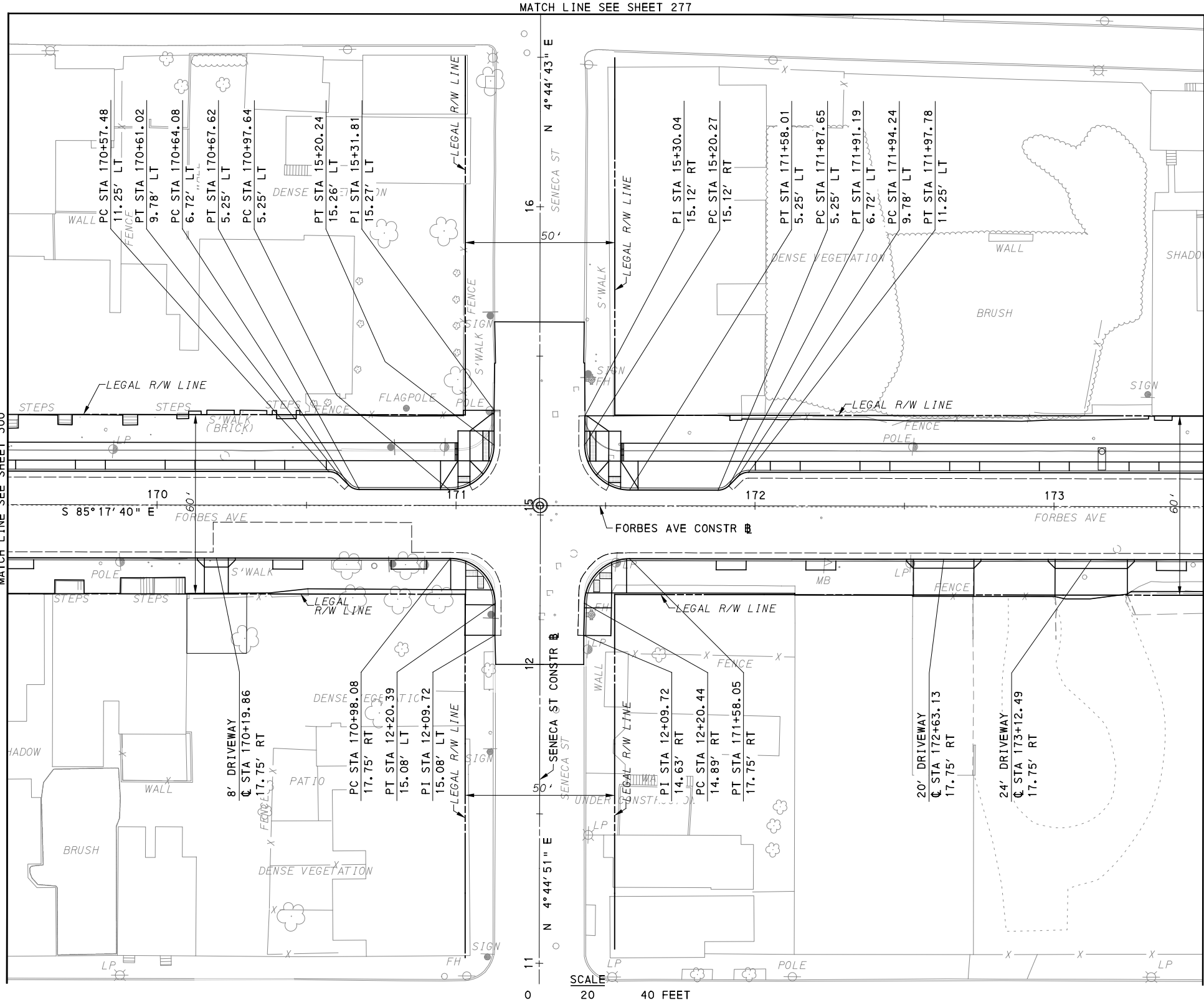
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REVISIONS		

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IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH, PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND CIVIL LAYOUT PLANS FORBES AVE - STA 164+50 TO STA 169+50	
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CONTRACT NO. BRT-001	CONTRACT NO. BRT-001
DWG. NO. CL33	SHT. 300



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(NOT FOR CONSTRUCTION)

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CHECKED	KCF
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DATE	05/01/24
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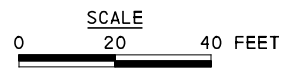
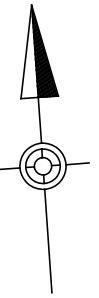
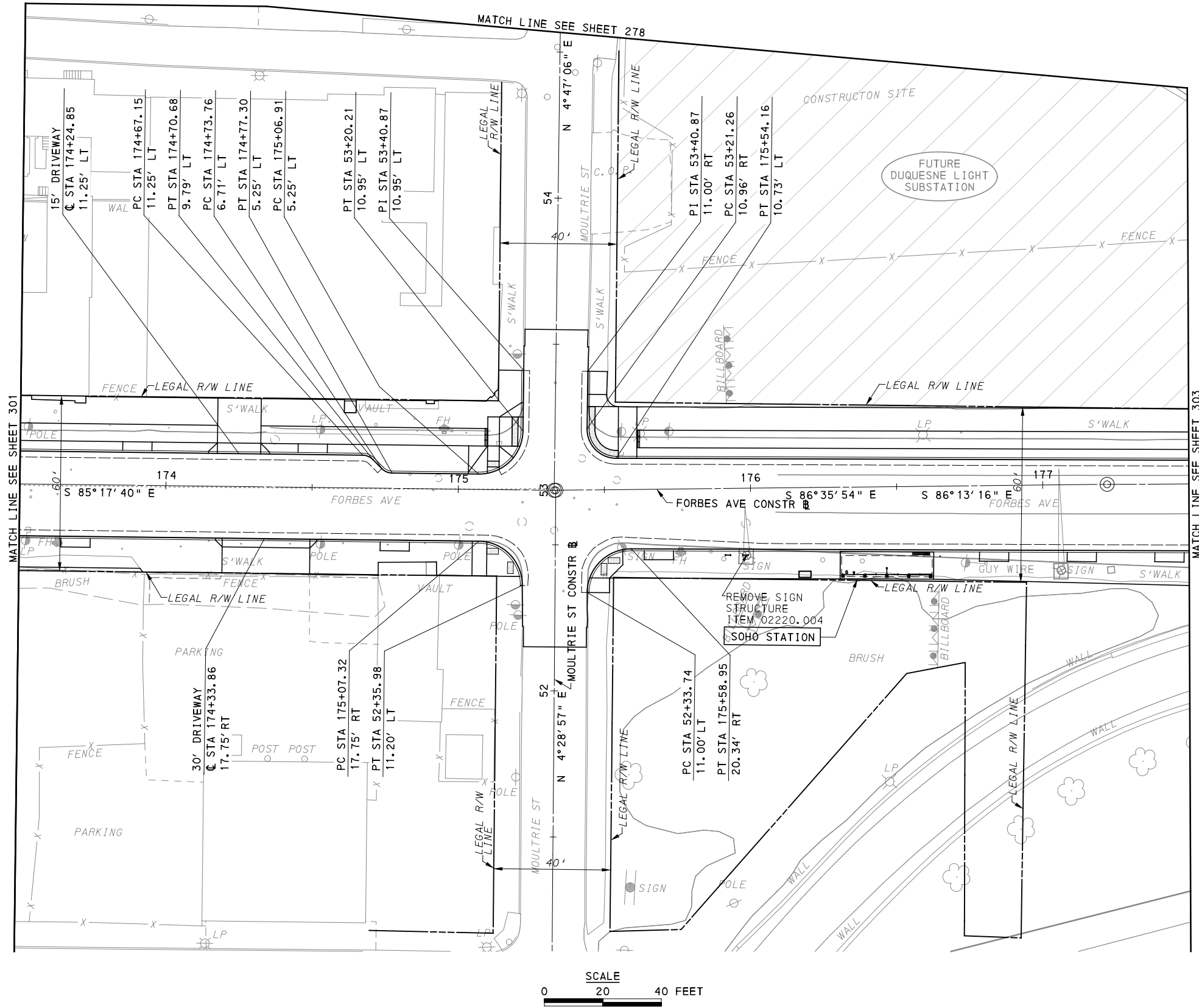
[FOR ROADWAY PLAN SEE SHEET 392]

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FORBES AVE - STA 169+50 TO STA 173+50

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CONTRACT NO. BRT-001	
DWG. NO. CL34	SHT. 301



[FOR ROADWAY PLAN SEE SHEET 393]



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(NOT FOR CONSTRUCTION)

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DATE	05/01/24
SCALE	AS SHOWN

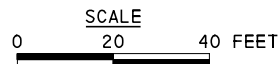
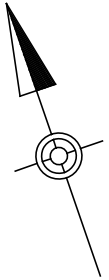
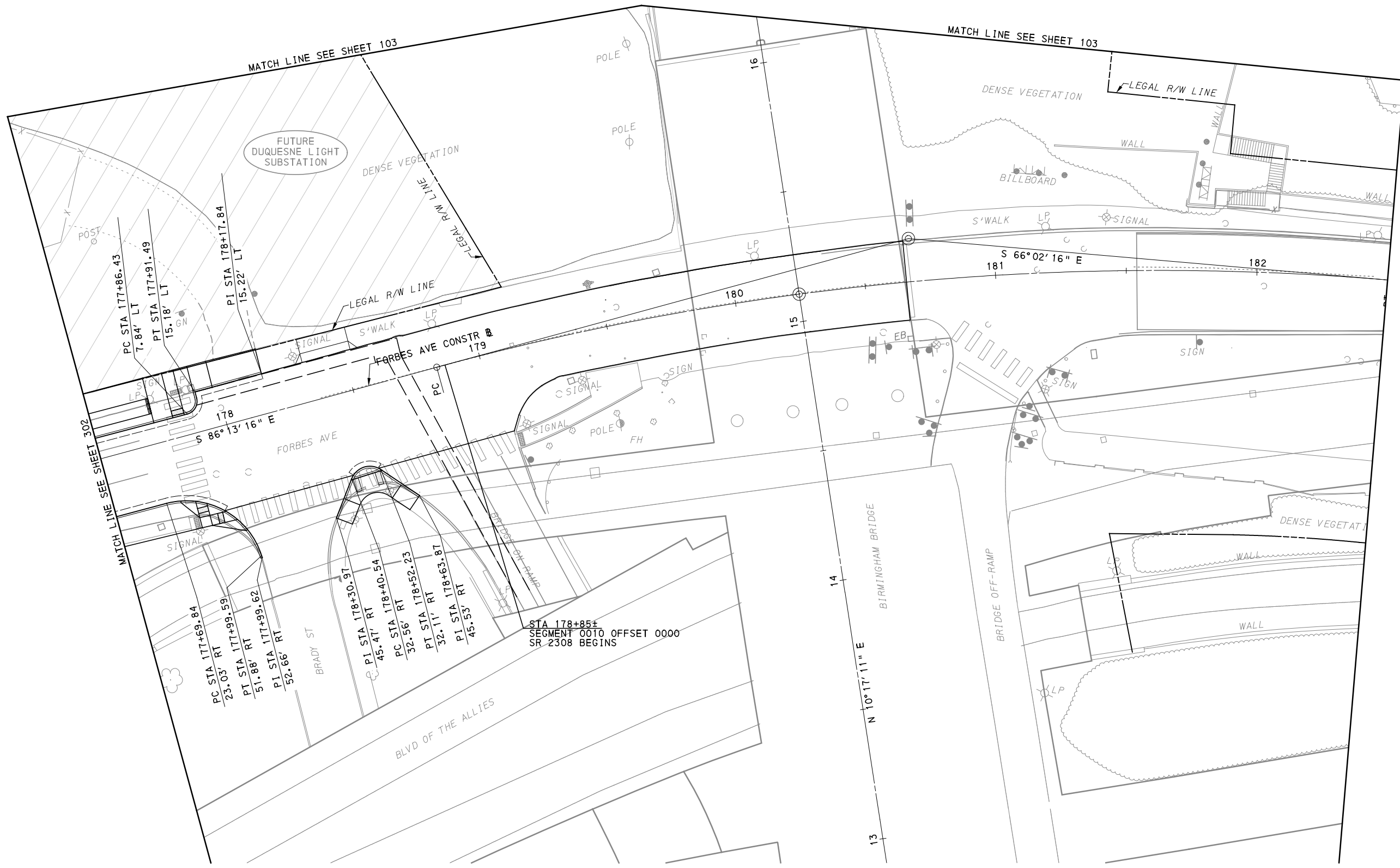
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FORBES AVE - STA 173+50 TO STA 177+50



CONTRACT NO. BRT-001

DWG. NO. CL35 SHT. 302



[FOR ROADWAY PLAN SEE SHEET 394]

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DATE	05/01/24
SCALE	AS SHOWN

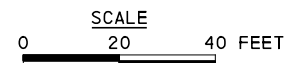
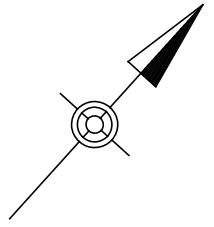
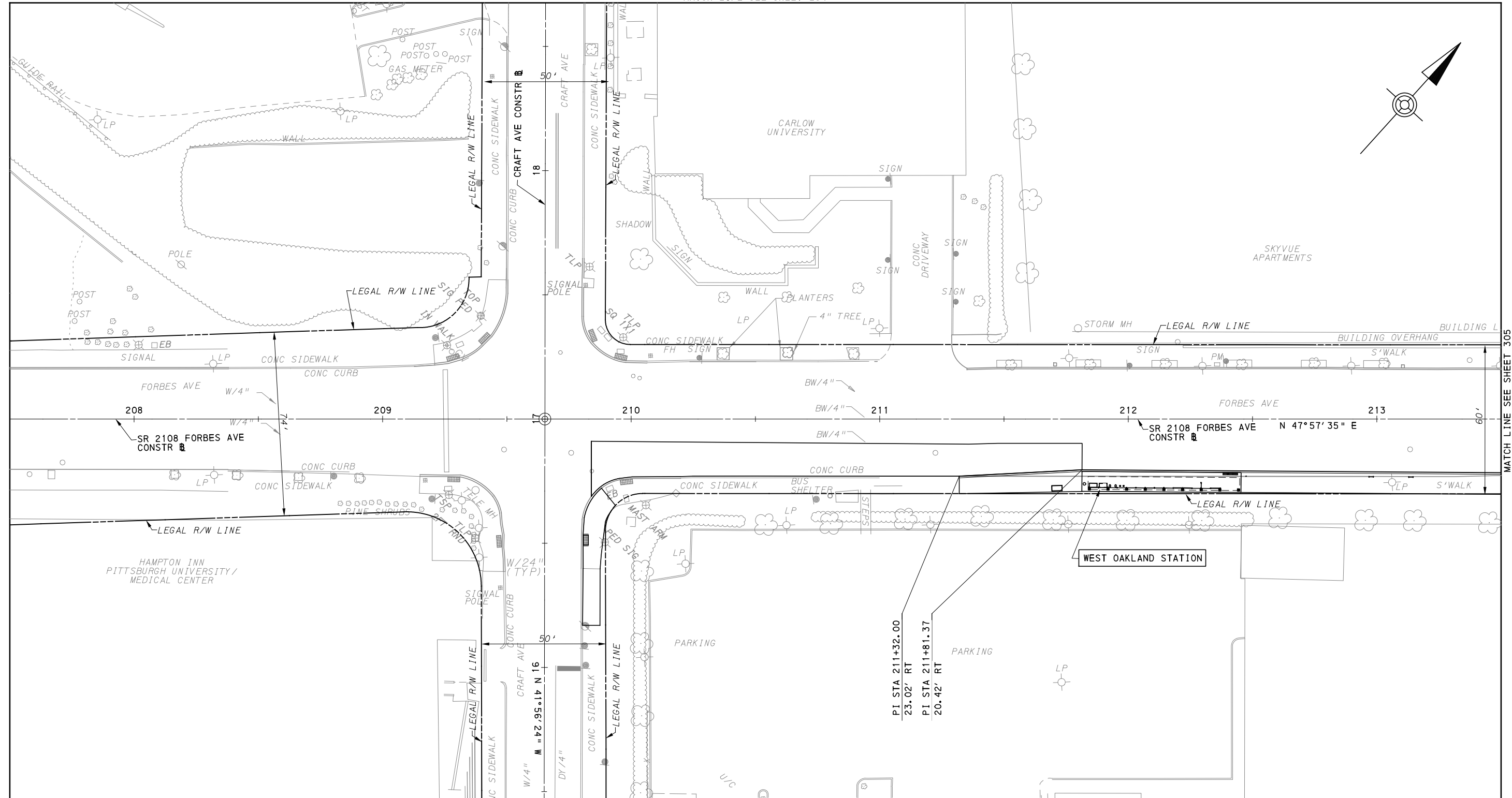
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FORBES AVE - STA 177+50 TO STA 182+50

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CONTRACT NO. BRT-001	
DWG. NO. CL36	SHT. 303

MATCH LINE SEE SHEET 284



FOR ROADWAY PLAN SEE SHEET 395



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Pittsburgh, PA. 15220

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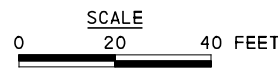
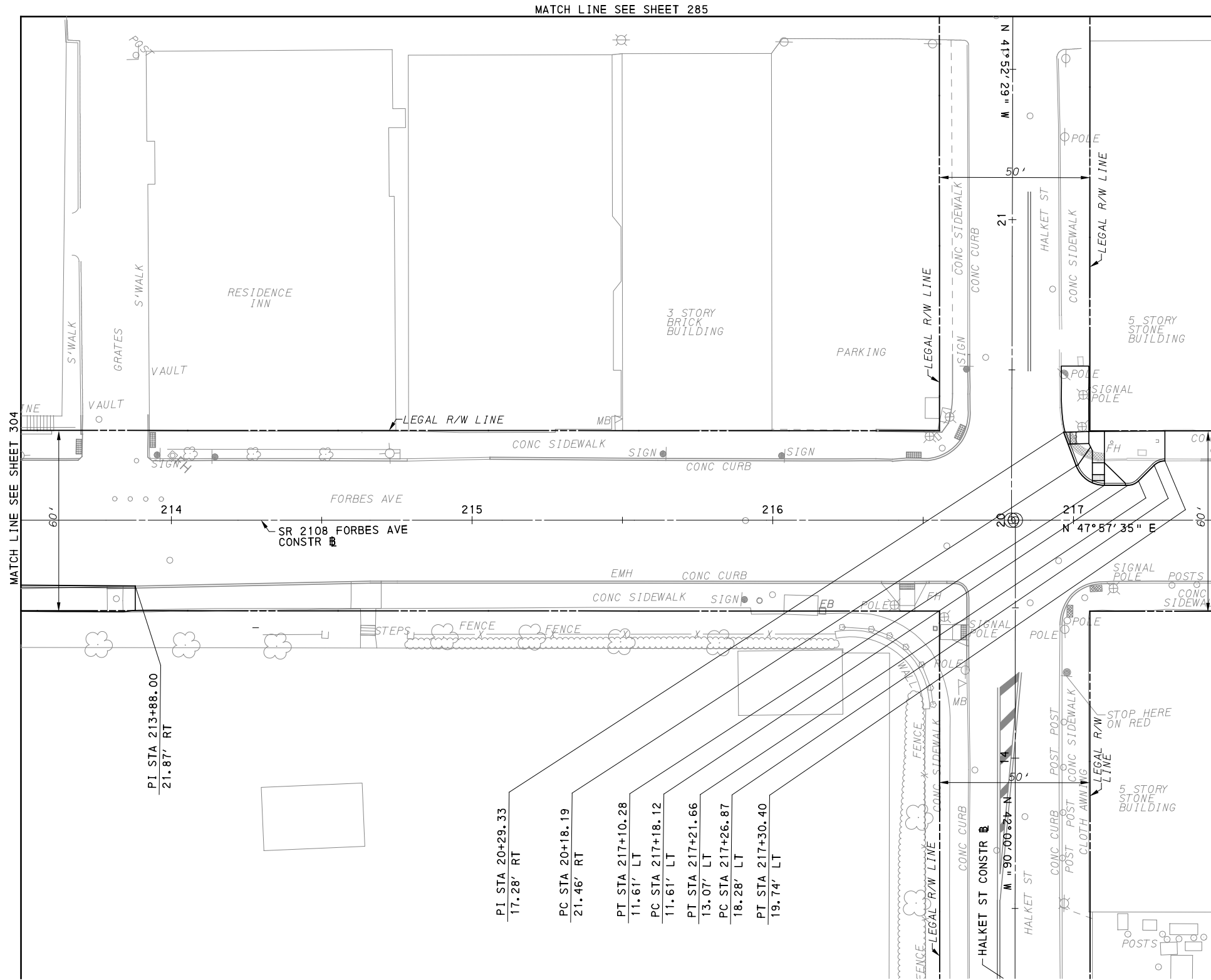
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CHECKED	KCF
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
CIVIL LAYOUT PLANS
FORBES AVE - STA 207+50 TO STA 213+50



CONTRACT NO. BRT-001
DWG. NO. CL37 SHT. 304



[FOR ROADWAY PLAN SEE SHEET 396]

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 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

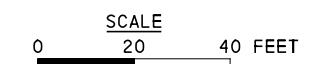
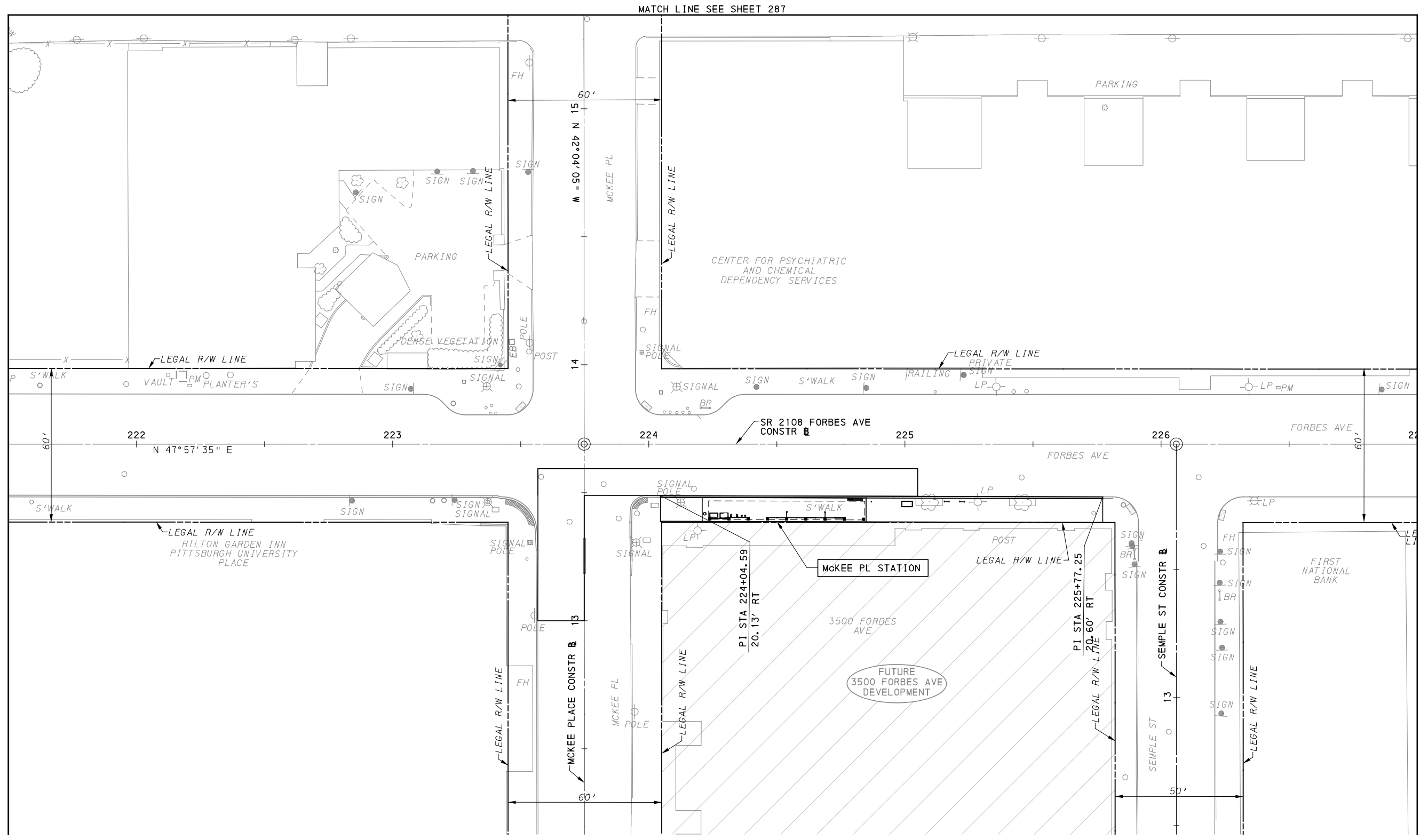
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REVISIONS		

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(NOT FOR CONSTRUCTION)

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IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND CIVIL LAYOUT PLANS FORBES AVE - STA 213+50 TO STA 217+50		
Port Authority <small>connecting people to life™</small>	CONTRACT NO. BRT-001	
	DWG. NO. CL38	SHT. 305



[FOR ROADWAY PLAN SEE SHEET 397]

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 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

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REVISIONS		

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(NOT FOR CONSTRUCTION)

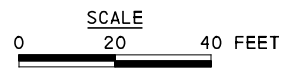
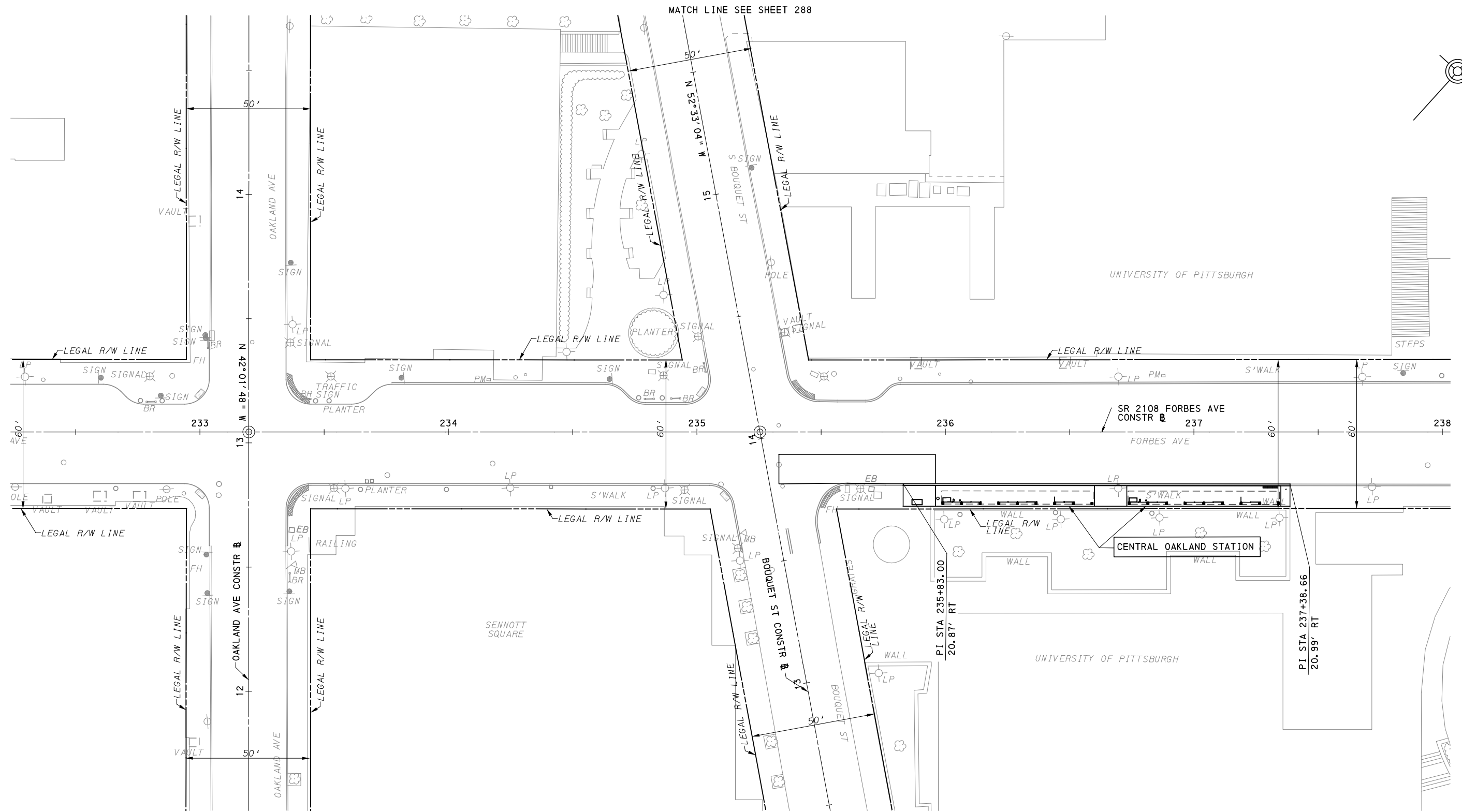
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FORBES AVE - STA 221+50 TO STA 227+00

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DWG. NO. CL39	SHT. 306



[FOR ROADWAY PLAN SEE SHEET 399]

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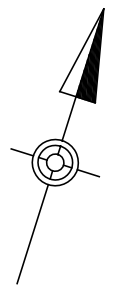
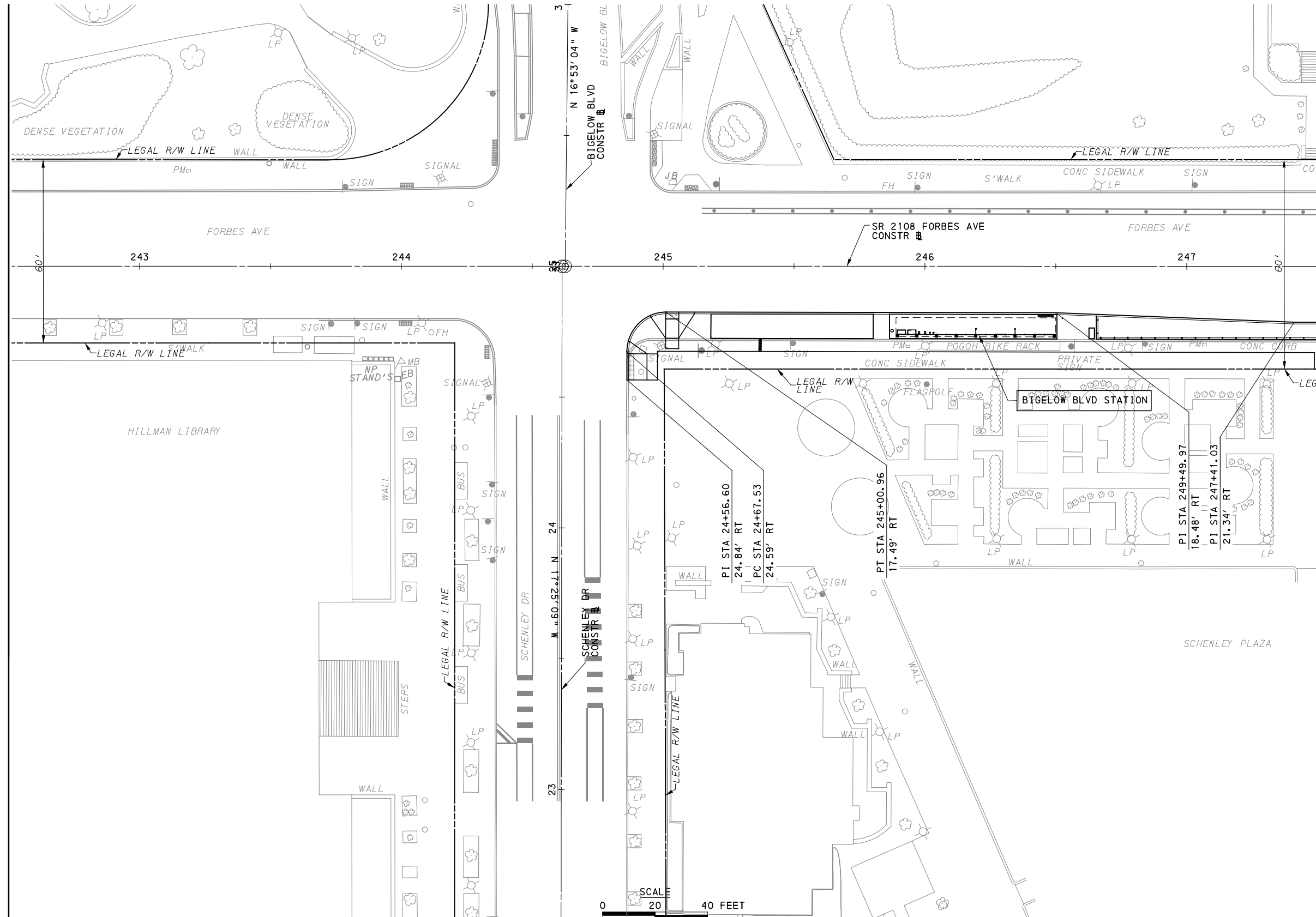
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
CIVIL LAYOUT PLANS
FORBES AVE - STA 232+00 TO STA 237+50

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FOR ROADWAY PLAN SEE SHEET 401

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(NOT FOR CONSTRUCTION)

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CHECKED	KCF
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

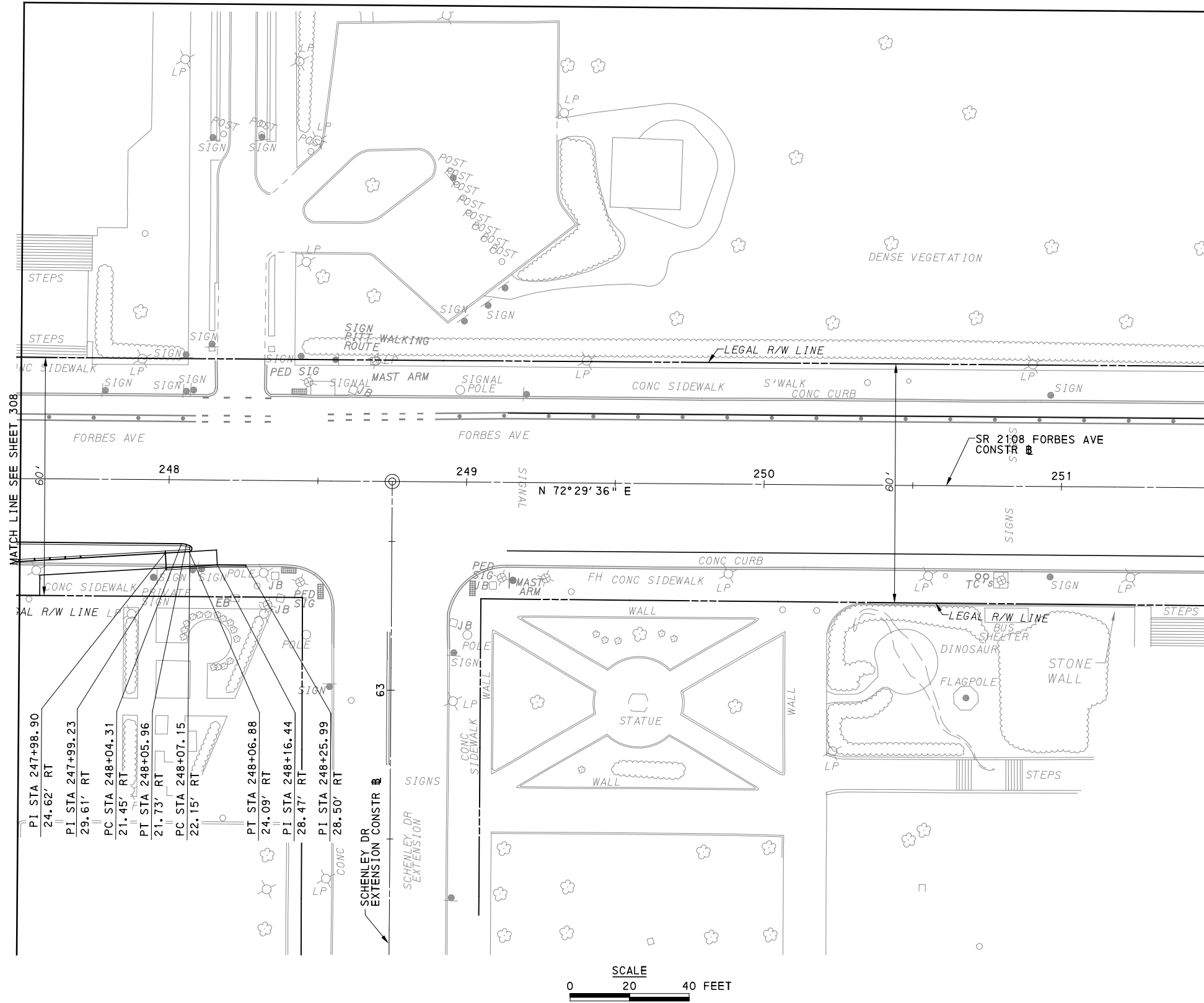
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 CIVIL LAYOUT PLANS
 FORBES AVE - STA 242+50 TO STA 247+50

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CONTRACT NO. BRT-001	
DWG. NO. CL41	SHT. 308

MATCH LINE SEE SHEET 309



MATCH LINE SEE SHEET 308

SCALE
0 20 40 FEET

[FOR ROADWAY PLAN SEE SHEET 402]



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Pittsburgh, PA 15219



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Foster Plaza 8
Suite 400
730 Holiday Drive
Pittsburgh, PA. 15220

NO.	DATE	DESCRIPTION
REVISIONS		

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CHECKED	KCF
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
CIVIL LAYOUT PLANS
FORBES AVE - STA 247+50 TO STA 251+50














































CONTRACT NO. BRT-001

DWG. NO. CL42 SHT. 309

PLOTTED: \$DATE\$ \$TIME\$

REMOVAL AND ADJUSTMENTS LEGEND

ADJUST	REMOVE	REMOVE / RESET	SALVAGE	REMAIN IN PLACE
<p> GRADE ADJUST PULLBOX</p>	<p> REMOVE BOLLARD POST</p> <p> REMOVE BUS SHELTER</p> <p> REMOVE DRAINAGE GRATE</p> <p> REMOVE DETECTABLE WARNING SURFACE</p> <p> REMOVE FLAG POLE</p> <p> REMOVE GUIDE RAIL</p> <p> REMOVE GRANITE BOLLARD POST</p> <p> REMOVE QWICK KURB</p> <p> REMOVE RAILING</p> <p> REMOVE TRAFFIC DELINEATOR POST</p>	<p> REMOVE AND RESET ASHTRAY</p> <p> REMOVE AND RESET BENCH</p> <p> REMOVE AND RESET BIKE RACK</p> <p> REMOVE AND RESET DUMPSTER</p> <p> REMOVE AND RESET FENCE</p> <p> REMOVE AND RESET MAILBOX</p> <p> REMOVE AND RESET NEWSPAPER/MAGAZINE DISPENSER</p> <p> REMOVE AND RESET PLANTER</p> <p> REMOVE AND RESET PARKING METER</p> <p> REMOVE AND RESET PRIVATE SIGN</p> <p> REMOVE AND RESET BOLLARD POST</p> <p> REMOVE AND RESET GRATE</p> <p> REMOVE AND RESET TRASH CAN</p>	<p> SALVAGE BOLLARD POST</p> <p> SALVAGE BUS SHELTER</p> <p> SALVAGE FENCE</p> <p> SALVAGE PERENNIAL FLOWERS</p> <p> SALVAGE PARKING METER</p> <p> SALVAGE PRIVATE SIGN</p> <p> SALVAGE RAILING AND BOLLARDS</p> <p> SALVAGE TREE GRATE</p>	<p> BILLBOARD TO REMAIN IN PLACE</p> <p> BOLLARD TO REMAIN IN PLACE</p> <p> COLUMN / PILLAR TO REMAIN IN PLACE</p> <p> CURB TO REMAIN IN PLACE</p> <p> FENCE TO REMAIN IN PLACE</p> <p> GUIDE RAIL TO REMAIN IN PLACE</p> <p> PLANTER WALL TO REMAIN IN PLACE</p> <p> RETAINING WALL TO REMAIN IN PLACE</p> <p> STAND PIPE TO REMAIN IN PLACE</p> <p> TRENCH DRAIN TO REMAIN IN PLACE</p> <p> VAULT ROOF TO REMAIN IN PLACE</p>

FOR REMOVAL AND ADJUSTMENTS OF:

MANHOLES _____ SEE UTILITY PLANS
 UTILITY POLES _____ SEE UTILITY PLANS
 UTILITY VALVES _____ SEE UTILITY PLANS
 FIRE HYDRANTS _____ SEE UTILITY PLANS
 TREES _____ SEE LANDSCAPING PLANS
 LIGHT POLES _____ SEE LIGHTING PLANS
 SIGNAL POLES _____ SEE SIGNAL PLANS
 SIGNS _____ SEE SIGNING & PAVEMENT MARKING PLANS
 DRAINAGE STRUCTURES _____ SEE ROADWAY PLANS

OPERATOR: \$USER\$
FILE PATH: \$FILE\$



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(NOT FOR CONSTRUCTION)

DESIGNED	SDS
DRAWN	JMS
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS LEGEND	
Port Authority <small>connecting people to life™</small>	
CONTRACT NO. BRT-001	SHT. 310
DWG. NO. RA1	

PLOTTED: \$DATE\$ \$TIME\$

REMOVAL & ADJUSTMENTS TABULATION SHEET

DRAWING NO.	ITEM	QUANTITY	UNIT	BASELINE	STA	END STA	OFFSET (LT/RT)	NOTES
ITEM NOT ON SHEET	SPM-1	1	EA	DIAMOND ST	42+26		LT	
RA9	BR-1	1	EA	FIFTH AVE	435+44		LT	
	RBR-1	1	EA	DIAMOND ST	48+26		RT	
	RBR-2	1	EA	FIFTH AVE	437+05		RT	
	RBR-3	1	EA	FIFTH AVE	437+40		LT	
	RMB-1	1	EA	DIAMOND ST	48+17		RT	
	RTC-1	1	EA	FIFTH AVE	434+63		RT	
	RTC-2	1	EA	DIAMOND ST	48+00		LT	
	RTC-3	1	EA	FIFTH AVE	436+26		RT	
	RTC-4	1	EA	FIFTH AVE	436+04		LT	
	RWR-1	47	LF	FIFTH AVE	435+43	435+90	RT	
	RWR-2	50	LF	FIFTH AVE	436+06	436+56	RT	
	SBS-1	1	EA	FIFTH AVE	435+98		LT	
	SPM-1	1	EA	DIAMOND ST	48+18		RT	
	SPM-2	1	EA	FIFTH AVE	438+38		RT	
	SPR-1	1	EA	FIFTH AVE	435+18		LT	
SPR-2	1	EA	FIFTH AVE	435+45		LT		
VRR-1	1	EA	FIFTH AVE	436+17		LT		
RA10	APX-1	1	EA	FIFTH AVE	441+33		RT	
	PWR-1	23	LF	WASHINGTON PL	25+40	25+80	LT	
	RBR-1	1	EA	FIFTH AVE	439+57		RT	
	RBR-2	1	EA	FIFTH AVE	442+06		RT	
	RBR-3	1	EA	FIFTH AVE	442+82		RT	
	RMB-1	1	EA	FIFTH AVE	443+18		RT	
	RNM-1	1	EA	FIFTH AVE	439+43		RT	
	RNM-2	1	EA	FIFTH AVE	439+45		RT	
	RNM-3	1	EA	FIFTH AVE	441+25		RT	
	RTC-1	1	EA	FIFTH AVE	439+62		RT	
	RTC-2	1	EA	FIFTH AVE	440+80		RT	
	RTC-3	1	EA	FIFTH AVE	442+70		RT	
	RTC-4	1	EA	FIFTH AVE	439+68		LT	
	RTC-5	1	EA	FIFTH AVE	442+29		LT	
	RTC-6	1	EA	FIFTH AVE	442+95		LT	

DRAWING NO.	ITEM	QUANTITY	UNIT	BASELINE	STA	END STA	OFFSET(LT/RT)	NOTES
RA10 CONT.	SBP-1	1	EA	FIFTH AVE	442+04		LT	
	SBP-2	1	EA	FIFTH AVE	442+10		LT	
	SBP-3	1	EA	FIFTH AVE	442+18		LT	
	SBP-4	1	EA	FIFTH AVE	442+25		LT	
	SBP-5	1	EA	FIFTH AVE	442+32		LT	
	SBP-6	1	EA	FIFTH AVE	442+38		LT	
	SBP-7	1	EA	FIFTH AVE	442+45		LT	
	SBP-8	1	EA	FIFTH AVE	442+53		LT	
	SBP-9	1	EA	FIFTH AVE	442+60		LT	
	SPR-1	1	EA	FIFTH AVE	439+94		RT	
	SPM-1	1	EA	FIFTH AVE	441+33		RT	
	SPM-2	1	EA	FIFTH AVE	443+36		RT	
	SPM-3	1	EA	FIFTH AVE	439+05		LT	
	SPM-4	1	EA	FIFTH AVE	443+29		LT	
	RA11	APX-1	1	EA	FIFTH AVE	446+58		RT
GRR-1		14	LF	FIFTH AVE	446+95	447+09	LT	
GRR-2		36	LF	FIFTH AVE	447+40	447+76	LT	
GRR-3		13	LF	FIFTH AVE	447+96	448+11	LT	
GRR-4		22	LF	FIFTH AVE	448+28	448+50	LT	
RBR-1		1	EA	FIFTH AVE	443+88		RT	
RBR-2		1	EA	FIFTH AVE	447+04		RT	
RMB-1		1	EA	FIFTH AVE	444+52		RT	
RMB-2		1	EA	FIFTH AVE	448+30		LT	
RTC-1		1	EA	FIFTH AVE	444+52		RT	
RTC-2		1	EA	FIFTH AVE	447+21		RT	
RTC-3		1	EA	FIFTH AVE	448+33		RT	
RTC-4		1	EA	FIFTH AVE	443+66		LT	
RTC-5		1	EA	FIFTH AVE	444+34		LT	
RTC-6		1	EA	FIFTH AVE	445+02		LT	
RTC-7		1	EA	FIFTH AVE	445+70		LT	
RTC-8		1	EA	FIFTH AVE	446+09		LT	
RTC-9		1	EA	FIFTH AVE	446+38		LT	
SPM-1		1	EA	FIFTH AVE	446+39		RT	
SPM-2		1	EA	FIFTH AVE	445+80		LT	
RA12	BBR-1	1	EA	FIFTH AVE	454+50		LT	
	BBR-2	1	EA	FIFTH AVE	454+50		LT	
	BBR-2	1	EA	FIFTH AVE	450+34		RT	
	FR-1	80	LF	FIFTH AVE	449+13	449+93	RT	
	FR-2	20	LF	FIFTH AVE	451+63	451+83	RT	
	FR-3	16	LF	FIFTH AVE	452+07	452+23	RT	
	GRR-1	26	LF	FIFTH AVE	448+50	448+76	LT	
	GRR-2	33	LF	FIFTH AVE	450+45	450+78	LT	

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Gulf Tower
707 Grant Street
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS TABULATIONS	
Port Authority <small>connecting people to life®</small>	CONTRACT NO. BRT-001
DWG. NO. RA2	SHT. 311

REMOVAL & ADJUSTMENTS TABULATION SHEET

PLOTTED: \$DATE\$ \$TIME\$

DRAWING NO.	ITEM	QUANTITY	UNIT	BASELINE	STA	END STA	OFFSET(LT/RT)	NOTES
RA12 CONT.	GRR-3	96	LF	FIFTH AVE	451+02	451+98	LT	
	GRR-4	7	LF	FIFTH AVE	452+21	452+28	LT	
	GRR-5	13	LF	STEVENSON ST	20+37	20+50	LT	
	GRR-6	21	LF	STEVENSON ST	20+30	20+50	RT	
	RBR-1	1	EA	FIFTH AVE	448+64		RT	
	RBR-2	1	EA	FIFTH AVE	451+37		RT	
	RBR-3	1	EA	FIFTH AVE	453+77		RT	
	RBR-4	1	EA	FIFTH AVE	450+11		LT	
	RFP-1	1	EA	FIFTH AVE	453+55		RT	
	RG-1	68	LF	FIFTH AVE	448+76	449+29	LT	
	RG-2	52	LF	FIFTH AVE	453+78	454+30	LT	
	RG-3	12	LF	FIFTH AVE	454+37	454+50	LT	
	RG-4	34	LF	FIFTH AVE	453+24	453+59	LT	
	RMB-1	1	EA	FIFTH AVE	453+50		RT	
	RTC-1	1	EA	FIFTH AVE	448+66		LT	
	RTC-2	1	EA	FIFTH AVE	453+22		LT	
	RTC-3	1	EA	FIFTH AVE	450+82		RT	
	RTC-4	1	EA	FIFTH AVE	453+29		RT	
	SBS-1	1	EA	FIFTH AVE	448+59		LT	
	SBS-2	1	EA	FIFTH AVE	453+47		LT	
SPM-1	1	EA	FIFTH AVE	448+75		RT		
SPM-2	1	EA	FIFTH AVE	450+76		RT		
SPM-3	1	EA	FIFTH AVE	454+27		RT		
SPM-4	1	EA	FIFTH AVE	450+55		LT		
SPR-1	1	EA	FIFTH AVE	454+41		RT		
RA13	BR-1	1	EA	FIFTH AVE	454+75		RT	
	BR-2	1	EA	FIFTH AVE	455+01		RT	
	BR-3	1	EA	FIFTH AVE	455+32		RT	
	BR-4	1	EA	FIFTH AVE	455+51		RT	
	CBR-1	9	LF	FIFTH AVE	455+40	455+48	LT	
	CBR-2	21	LF	FIFTH AVE	455+61	455+82	LT	
	FR-1	25	LF	PRIDE ST	30+38	30+63	LT	
	FR-2	20	LF	FIFTH AVE	464+05	464+25	LT	
	GRR-1	8	LF	FIFTH AVE	455+02	455+10	LT	
	RBR-1	1	EA	FIFTH AVE	455+58		LT	
	RG-1	27	LF	FIFTH AVE	454+50	454+77	LT	
	RMR-1	5	LF	FIFTH AVE	455+81	455+85	LT	
	RMR-2	23	LF	FIFTH AVE	455+84	456+05	LT	
	RPM-1	1	EA	FIFTH AVE	458+26		RT	
	RTC-1	1	EA	FIFTH AVE	454+73		RT	
	RTC-2	1	EA	FIFTH AVE	457+31		RT	
	RTC-3	1	EA	FIFTH AVE	456+08		LT	
	RTC-4	1	EA	FIFTH AVE	457+35		LT	
	RWR-1	38	LF	PRIDE ST	30+29	30+63	LT	
	RWR-2	22	LF	FIFTH AVE	458+09	458+31	LT	
RWR-3	30	LF	FIFTH AVE	455+02	455+32	RT		
RWR-4	35	LF	FIFTH AVE	455+52	455+87	RT		
SPM-1	1	EA	FIFTH AVE	455+24		RT		
SPM-2	1	EA	FIFTH AVE	455+16		LT		
SPM-3	1	EA	FIFTH AVE	457+84		LT		
SPR-1	1	EA	FIFTH AVE	456+05		RT		

DRAWING NO.	ITEM	QUANTITY	UNIT	BASELINE	STA	END STA	OFFSET(LT/RT)	NOTES
RA14	BR-1	1	EA	FIFTH AVE	458+92		LT	
	BR-2	1	EA	FIFTH AVE	458+94		LT	
	BR-3	1	EA	FIFTH AVE	459+27		LT	
	CBR-1	30	LF	FIFTH AVE	461+14	461+44	LT	
	FR-1	26	LF	FIFTH AVE	461+95	462+21	RT	
	FR-2	20	LF	FIFTH AVE	464+05	464+25	LT	
	RBR-1	1	EA	FIFTH AVE	458+74		LT	
	RBR-2	1	EA	FIFTH AVE	460+25		LT	
	RBR-3	1	EA	FIFTH AVE	463+08		LT	
	RPM-1	1	EA	FIFTH AVE	460+53		RT	
	RPM-2	1	EA	FIFTH AVE	462+37		RT	
	RRG-1	1	EA	FIFTH AVE	463+90		LT	
	RTC-1	1	EA	FIFTH AVE	459+09		RT	
	RTC-2	1	EA	FIFTH AVE	460+06		LT	
	RTC-3	1	EA	FIFTH AVE	464+49		LT	
	RTC-4	1	EA	FIFTH AVE	461+25		RT	
	SF-1	106	LF	FIFTH AVE	460+69	461+72	RT	
	SF-2	10	LF	FIFTH AVE	463+89	463+99	RT	
	SF-3	26	LF	FIFTH AVE	464+24	464+50	RT	
	SPM-1	1	EA	FIFTH AVE	463+17		LT	
TDR-1	1	EA	FIFTH AVE	459+10		LT		
RA15	CBR-1	40	LF	FIFTH AVE	470+10	470+50	RT	
	FR-1	11	LF	DINWIDDIE ST	20+31	20+42	RT	
	RB-1	1	EA	FIFTH AVE	469+05		LT	
	RBR-1	1	EA	FIFTH AVE	464+64		RT	
	RBR-2	1	EA	FIFTH AVE	469+66		RT	
	RMB-1	1	EA	FIFTH AVE	470+14		RT	
	RPM-1	1	EA	FIFTH AVE	465+36		RT	
	RTC-1	1	EA	FIFTH AVE	466+63		RT	
	RTC-2	1	EA	FIFTH AVE	465+28		RT	
	RTC-3	1	EA	FIFTH AVE	467+46		RT	
	RTC-4	1	EA	FIFTH AVE	468+94		LT	
	RTC-5	1	EA	FIFTH AVE	470+36		LT	
	RWR-1	11	LF	FIFTH AVE	470+39	470+50	LT	
	SF-1	40	LF	FIFTH AVE	464+50	464+90	RT	
	SF-2	78	LF	FIFTH AVE	466+01	466+79	LT	
SF-3	140	LF	FIFTH AVE	467+08	468+48	LT		
SPM-1	1	EA	FIFTH AVE	466+26		LT		
SPR-1	1	EA	FIFTH AVE	469+99		LT		
RA16	BBR-1	1	EA	FIFTH AVE	473+50		LT	
	BBR-2	1	EA	FIFTH AVE	474+35		LT	
	CBR-1	15	LF	FIFTH AVE	470+50	470+65	RT	
	CBR-2	17	LF	FIFTH AVE	470+91	471+08	RT	
	FR-1	12	LF	FIFTH AVE	471+09	471+21	RT	
	FR-2	107	LF	FIFTH AVE	473+76	474+83	RT	
	FR-3	228	LF	FIFTH AVE	473+53	475+17	LT	
	RD-1	1	EA	FIFTH AVE	472+28		LT	CLOTHING DONATION BOX
	RD-2	1	EA	FIFTH AVE	472+39		LT	
	RP-1	1	EA	FIFTH AVE	473+03		RT	PROPERTY OWNER TO REMOVE/RESET

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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
REMOVAL & ADJUSTMENTS PLANS
TABULATIONS

Port Authority connecting people to life™

CONTRACT NO. BRT-001
DWG. NO. RA3 SHT. 312

PLOTTED: \$DATE\$ \$TIME\$

REMOVAL & ADJUSTMENTS TABULATION SHEET

DRAWING NO.	ITEM	QUANTITY	UNIT	BASELINE	STA	END STA	OFFSET(LT/RT)	NOTES
RA16 CONT.	RP-2	1	EA	FIFTH AVE	473+11		RT	PROPERTY OWNER TO REMOVE/RESET
	RP-3	1	EA	FIFTH AVE	473+18		RT	PROPERTY OWNER TO REMOVE/RESET
	RP-4	1	EA	FIFTH AVE	473+26		RT	PROPERTY OWNER TO REMOVE/RESET
	RP-5	1	EA	FIFTH AVE	473+42		RT	PROPERTY OWNER TO REMOVE/RESET
	RP-6	1	EA	FIFTH AVE	473+48		RT	PROPERTY OWNER TO REMOVE/RESET
	RP-7	1	EA	FIFTH AVE	473+56		RT	PROPERTY OWNER TO REMOVE/RESET
	RP-8	1	EA	FIFTH AVE	473+65		RT	PROPERTY OWNER TO REMOVE/RESET
	RTC-1	1	EA	FIFTH AVE	472+17		RT	
	RWR-1	33	LF	FIFTH AVE	470+50	470+83	LT	
	RWR-2	29	LF	FIFTH AVE	473+16	473+45	LT	
VRR-1	1	EA	FIFTH AVE	472+85		LT		
RA17	FR-1	66	LF	FIFTH AVE	475+66	476+25	RT	
	FR-2	61	LF	FIFTH AVE	476+48	477+09	RT	
	FR-3	58	LF	FIFTH AVE	478+36	478+94	LT	
	RBR-1	1	EA	FIFTH AVE	476+89		LT	
	RMB-1	1	EA	FIFTH AVE	476+91		LT	
	RMB-2	1	EA	FIFTH AVE	476+93		LT	
	RRB-1	1	EA	FIFTH AVE	480+16		LT	
	RRB-2	1	EA	FIFTH AVE	480+36		LT	
	RTC-1	1	EA	FIFTH AVE	477+48		LT	
	RTC-2	1	EA	FIFTH AVE	478+19		LT	
TDR-1	1	EA	FIFTH AVE	477+30		LT		
RA18	FR-1	20	LF	FIFTH AVE	484+45	484+65	RT	
	RBR-1	1	EA	FIFTH AVE	481+53		RT	
	RCL-1	1	EA	FIFTH AVE	482+05		RT	
	RTC-1	1	EA	FIFTH AVE	481+87		RT	
	RTC-2	1	EA	FIFTH AVE	480+70		LT	
RTC-3	1	EA	FIFTH AVE	481+26		LT		
RA19	FR-1	226	LF	FIFTH AVE	487+65	489+91	RT	
	FR-2	31	LF	FIFTH AVE	487+10	487+33	LT	
	FR-3	20	LF	FIFTH AVE	487+76	487+96	LT	
	RMB-1	1	EA	FIFTH AVE	486+69		LT	
	RTC-1	1	EA	FIFTH AVE	487+37		LT	
SPR-1	1	EA	FIFTH AVE	488+72		LT		
RA20	FR-1	174	LF	FIFTH AVE	494+08	495+82	RT	
	GRR-1	68	LF	BIRMINGHAM BRIDGE	16+22	16+90	LT	
	GRR-2	52	LF	BIRMINGHAM BRIDGE	16+17	16+69	RT	
	RC-1	94	LF	FIFTH AVE	494+41	495+35	RT	
	RTC-1	1	EA	FIFTH AVE	490+79		RT	
	RWR-1	99	LF	KIRKPATRICK ST	30+52	31+45	LT	
	RWR-2	11	LF	FIFTH AVE	496+39	496+50	LT	
	SBS-1	1	EA	FIFTH AVE	490+85		RT	
	SPS-1	1	EA	KIRKPATRICK ST	30+81		RT	WESTERN PA CONSERVANCY TO SALVAGE
SPF-1	1	EA	FIFTH AVE	491+34	491+61	LT	WESTERN PA CONSERVANCY TO SALVAGE	
RA21	FR-1	54	LF	FIFTH AVE	497+00	497+54	RT	
	RF-1	46	LF	FIFTH AVE	497+54	498+00	RT	
	RG-1	211	LF	FIFTH AVE	500+39	502+50	RT	
	RWR-1	13	LF	FIFTH AVE	496+50	496+63	LT	

DRAWING NO.	ITEM	QUANTITY	UNIT	BASELINE	STA	END STA	OFFSET(LT/RT)	NOTES
RA22	RWR-1	42	LF	FIFTH AVE	505+35	505+77	LT	
	RWR-2	27	LF	FIFTH AVE	506+14	506+41	LT	
	RWR-3	28	LF	FIFTH AVE	507+01	507+29	LT	
	RG-1	500	LF	FIFTH AVE	502+50	507+50	RT	
RA23	GRR-1	80	LF	BLVD OF THE ALLIES	11+06	11+67	RT	
	RG-1	183	LF	FIFTH AVE	507+50	509+26	RT	
	RWR-1	187	LF	FIFTH AVE	508+00	509+99	LT	
RA24	FR-1	40	LF	FIFTH AVE	517+10	517+50	RT	
	RDS-1	8	SF	ROBINSON ST A	612+64		LT	
	RDS-2	8	SF	ROBINSON ST A	612+64		RT	
	RDS-3	8	SF	FIFTH AVE	514+68		LT	
RA25	RWR-1	12	LF	FIFTH AVE	516+81	516+93	LT	
	FR-1	132	LF	FIFTH AVE	517+50	518+54	RT	
	PWR-1	61	LF	FIFTH AVE	520+50	521+08	RT	
	RBP-1	1	EA	CRAFT	20+25		LT	
	RBP-2	1	EA	CRAFT	20+19		LT	
	RDS-1	8	SF	FIFTH AVE	518+42		LT	
	RMR-1	198	LF	FIFTH AVE	520+52	522+50	RT	
	RTC-1	1	EA	FIFTH AVE	518+38		RT	
	RWR-1	11	LF	FIFTH AVE	518+36	518+47	LT	
	APX-1	1	EA	FIFTH AVE	526+13		RT	
RA26	APX-2	1	EA	FIFTH AVE	526+60		RT	
	RMB-1	1	EA	FIFTH AVE	527+54		LT	
	RMR-1	298	LF	FIFTH AVE	522+50	525+48	RT	
	RTC-1	1	EA	FIFTH AVE	526+13		RT	
	RTC-2	1	EA	FIFTH AVE	527+41		LT	
	SBS-1	1	EA	FIFTH AVE	527+35		LT	
	SRB-1	32	LF	FIFTH AVE	526+18	526+50	RT	OWNED BY CHILDREN'S HOSPITAL OF UPMC
	SRB-2	192	LF	FIFTH AVE	526+58	528+50	RT	OWNED BY CHILDREN'S HOSPITAL OF UPMC
SRB-3	63	LF	FIFTH AVE	527+87	528+50	LT	OWNED BY UPMC	
RA27	APX-1	1	EA	FIFTH AVE	532+37		RT	
	APX-2	1	EA	FIFTH AVE	532+49		RT	
	APX-3	1	EA	FIFTH AVE	533+06		RT	
	BR-1	1	EA	DARRAGH ST	30+46		RT	
	BR-2	1	EA	DARRAGH ST	30+42		RT	
	BR-3	1	EA	DARRAGH ST	30+39		RT	
	BR-4	1	EA	DARRAGH ST	30+35		RT	
	BR-5	1	EA	FIFTH AVE	533+46		LT	
	BR-6	1	EA	FIFTH AVE	533+50		LT	
	BR-7	1	EA	FIFTH AVE	533+70		LT	
	BR-8	1	EA	FIFTH AVE	533+95		LT	
	BR-9	1	EA	FIFTH AVE	533+99		LT	
	BR-10	1	EA	FIFTH AVE	534+03		LT	
BR-11	1	EA	FIFTH AVE	534+07		LT		
BR-12	1	EA	FIFTH AVE	534+11		LT		
BR-13	1	EA	FIFTH AVE	534+15		LT		

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CONTRACT NO. BRT-001
DWG. NO. RA4 SHT. 313

REMOVAL & ADJUSTMENTS TABULATION SHEET

PLOTTED: \$DATE\$ \$TIME\$

DRAWING NO.	ITEM	QUANTITY	UNIT	BASELINE	STA	END STA	OFFSET(LT/RT)	NOTES
RA27 CONT.	BR-14	1	EA	FIFTH AVE	534+19		LT	
	BR-15	1	EA	FIFTH AVE	534+24		LT	
	BR-16	1	EA	FIFTH AVE	534+28		LT	
	BR-17	1	EA	FIFTH AVE	534+32		LT	
	BR-18	1	EA	FIFTH AVE	534+36		LT	
	BR-19	1	EA	FIFTH AVE	534+40		LT	
	BR-20	1	EA	FIFTH AVE	534+44		LT	
	BR-21	1	EA	FIFTH AVE	534+48		LT	
	PWR-1	14	LF	FIFTH AVE	533+52	533+66	LT	
	PWR-2	16	LF	FIFTH AVE	533+74	533+90	LT	
	RBP-1	1	EA	FIFTH AVE	533+04		RT	
	RBP-2	1	EA	FIFTH AVE	533+08		RT	
	RBP-3	1	EA	FIFTH AVE	533+12		RT	
	RBP-4	1	EA	FIFTH AVE	533+16		RT	
	RBP-5	1	EA	FIFTH AVE	533+19		RT	
	RBP-6	1	EA	FIFTH AVE	533+22		RT	
	RBP-7	1	EA	FIFTH AVE	533+27		RT	
	RBP-8	1	EA	FIFTH AVE	533+30		RT	
	RMR-1	54	LF	FIFTH AVE	533+55	534+09	RT	
	RMR-2	32	LF	FIFTH AVE	534+18	534+50	RT	
RTC-1	1	EA	FIFTH AVE	533+19		RT		
RTC-2	1	EA	FIFTH AVE	534+24		RT		
SRB-1	268	LF	FIFTH AVE	528+50	531+17	RT	OWNED BY CHILDREN'S HOSPITAL OF UPMC	
SRB-2	122	LF	FIFTH AVE	531+26	532+48	RT	OWNED BY CHILDREN'S HOSPITAL OF UPMC	
SRB-3	38	LF	FIFTH AVE	528+50	528+88	LT	OWNED BY UPMC	
RA28	APX-1	1	EA	FIFTH AVE	539+96		RT	
	BR-1	1	EA	FIFTH AVE	534+53		LT	
	BR-2	1	EA	FIFTH AVE	534+57		LT	
	BR-3	1	EA	FIFTH AVE	534+61		LT	
	BR-4	1	EA	FIFTH AVE	534+65		LT	
	BR-5	1	EA	FIFTH AVE	534+69		LT	
	BR-6	1	EA	FIFTH AVE	534+73		LT	
	BR-7	1	EA	FIFTH AVE	534+77		LT	
	BR-8	1	EA	FIFTH AVE	534+81		LT	
	BR-9	1	EA	FIFTH AVE	534+85		LT	
	BR-10	1	EA	FIFTH AVE	534+90		LT	
	BR-11	1	EA	FIFTH AVE	534+94		LT	
	BR-12	1	EA	FIFTH AVE	534+98		LT	
	BR-13	1	EA	FIFTH AVE	534+03		LT	
	BR-14	1	EA	FIFTH AVE	534+07		LT	
	BR-15	1	EA	FIFTH AVE	534+11		LT	
	BR-16	1	EA	FIFTH AVE	534+15		LT	
	BR-17	1	EA	FIFTH AVE	534+19		LT	
	BR-18	1	EA	FIFTH AVE	535+48		LT	
	BR-19	1	EA	FIFTH AVE	535+89		LT	
BR-20	1	EA	FIFTH AVE	535+91		LT		
PWR-1	18	LF	FIFTH AVE	535+24	535+42	LT		
PWR-2	17	LF	FIFTH AVE	535+52	535+69	LT		

	ITEM	QUANTITY	UNIT	BASELINE	STA	END STA	OFFSET(LT/RT)	NOTES
RA28 CONT.	PWR-3	15	LF	FIFTH AVE	535+75	535+90	LT	
	PWR-4	13	LF	LOTHROP ST	30+52	30+65	LT	
	RBP-1	1	EA	FIFTH AVE	540+03		RT	
	RBP-2	1	EA	FIFTH AVE	540+07		RT	
	RBP-3	1	EA	FIFTH AVE	540+11		RT	
	RBP-4	1	EA	FIFTH AVE	540+15		RT	
	RBP-5	1	EA	FIFTH AVE	540+19		RT	
	RBP-6	1	EA	FIFTH AVE	540+23		RT	
	RBP-7	1	EA	FIFTH AVE	540+27		RT	
	RBP-8	1	EA	FIFTH AVE	540+31		RT	
	RBP-9	1	EA	FIFTH AVE	540+35		RT	
	RBP-10	1	EA	FIFTH AVE	540+39		RT	
	RBP-11	1	EA	FIFTH AVE	540+43		RT	
	RBP-12	1	EA	FIFTH AVE	540+47		RT	
	RDS-1	213	SF	FIFTH AVE	538+29	539+39	LT	
	RMR-1	200	LF	FIFTH AVE	534+50	536+50	RT	
	RMR-2	200	LF	FIFTH AVE	537+30	539+30	RT	
	RP-1	1	EA	FIFTH AVE	537+41		LT	
	RTC-1	1	EA	FIFTH AVE	536+66		RT	
	SPR-1	1	EA	FIFTH AVE	535+96		RT	
SPR-2	1	EA	FIFTH AVE	536+10		RT		
STG-1	1	EA	FIFTH AVE	537+41		LT		
RA29	APX-1	1	EA	FIFTH AVE	541+88		RT	
	APX-2	1	EA	FIFTH AVE	543+45		RT	
	APX-3	1	EA	FIFTH AVE	542+14		LT	
	RBP-1	1	EA	FIFTH AVE	540+51		RT	
	RBP-2	1	EA	FIFTH AVE	540+55		RT	
	RBP-3	1	EA	FIFTH AVE	540+59		RT	
	RBP-4	1	EA	FIFTH AVE	540+63		RT	
	RBP-5	1	EA	FIFTH AVE	540+68		RT	
	RBP-6	1	EA	FIFTH AVE	540+72		RT	
	RBP-7	1	EA	FIFTH AVE	540+75		RT	
	RBP-8	1	EA	FIFTH AVE	540+79		RT	
	RBP-9	1	EA	FIFTH AVE	540+83		RT	
	RBP-10	1	EA	FIFTH AVE	540+87		RT	
	RBP-11	1	EA	FIFTH AVE	540+91		RT	
	RBP-12	1	EA	FIFTH AVE	540+95		RT	
	RBP-13	1	EA	FIFTH AVE	540+99		RT	
	RBP-14	1	EA	FIFTH AVE	541+03		RT	
	RBP-15	1	EA	FIFTH AVE	541+07		RT	
	RBP-16	1	EA	FIFTH AVE	541+11		RT	
	RBP-17	1	EA	FIFTH AVE	541+15		RT	
	RBP-18	1	EA	FIFTH AVE	541+19		RT	
	RBP-19	1	EA	FIFTH AVE	541+23		RT	
	RBP-20	1	EA	FIFTH AVE	541+27		RT	
	RBP-21	1	EA	FIFTH AVE	541+31		RT	
RBP-22	1	EA	FIFTH AVE	541+35		RT		
RBP-23	1	EA	FIFTH AVE	541+39		RT		
RBP-24	1	EA	FIFTH AVE	541+43		RT		

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Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219

NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

DESIGNED	SDS
DRAWN	JMS
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
REMOVAL & ADJUSTMENTS PLANS
TABULATIONS

Port Authority connecting people to life®

CONTRACT NO. BRT-001
DWG. NO. RA5 SHT. 314

REMOVAL & ADJUSTMENTS TABULATION SHEET

PLOTTED: \$DATE\$ \$TIME\$

	ITEM	QUANTITY	UNIT	BASELINE	STA	END STA	OFFSET(LT/RT)	NOTES
RA29 CONT.	RBP-25	1	EA	FIFTH AVE	541+47		RT	
	RBP-26	1	EA	FIFTH AVE	541+51		RT	
	RBP-27	1	EA	FIFTH AVE	541+55		RT	
	RBP-28	1	EA	FIFTH AVE	541+59		RT	
	RBP-29	1	EA	FIFTH AVE	541+63		RT	
	RBP-30	1	EA	FIFTH AVE	541+71		RT	
	RBP-31	1	EA	FIFTH AVE	541+78		RT	
	RNM-1	1	EA	FIFTH AVE	541+89		RT	
	RNM-2	1	EA	FIFTH AVE	541+92		RT	
	RTC-1	1	EA	FIFTH AVE	541+80		RT	
	RTC-2	1	EA	FIFTH AVE	541+83		RT	
	SRB-1	73	LF	FIFTH AVE	542+56	543+29	RT	OWNED BY UNIVERSITY OF PITTSBURGH
	SRB-2	145	LF	FIFTH AVE	544+05	545+50	RT	OWNED BY UNIVERSITY OF PITTSBURGH
	VRR-1	1	EA	S BOUQUET ST	16+97		RT	
RA30	APX-1	1	EA	FIFTH AVE	547+24		RT	
	APX-2	1	EA	FIFTH AVE	550+92		LT	
	APX-3	1	EA	FIFTH AVE	550+15		RT	
	PWR-1	14	LF	FIFTH AVE	547+18	547+32	RT	
	RWR-1	26	LF	THACKERAY AVE	30+40	30+56	RT	
	RWR-2	75	LF	FIFTH AVE	550+75	551+50	LT	
	SRB-1	64	LF	FIFTH AVE	545+50	546+14	RT	OWNED BY UNIVERSITY OF PITTSBURGH
	SRB-2	13	LF	FIFTH AVE	546+25	546+38	RT	OWNED BY UNIVERSITY OF PITTSBURGH
	SRB-3	9	LF	FIFTH AVE	546+48	546+57	RT	OWNED BY UNIVERSITY OF PITTSBURGH
	SRB-4	6	LF	FIFTH AVE	546+62	546+68	RT	OWNED BY UNIVERSITY OF PITTSBURGH
	SRB-5	16	LF	FIFTH AVE	546+97	547+13	RT	OWNED BY UNIVERSITY OF PITTSBURGH
	SRB-6	123	LF	FIFTH AVE	547+37	548+60	RT	OWNED BY UNIVERSITY OF PITTSBURGH
	SRB-7	141	LF	FIFTH AVE	548+92	550+38	RT	OWNED BY UNIVERSITY OF PITTSBURGH
	SRB-8	73	LF	FIFTH AVE	550+78	551+50	RT	OWNED BY UNIVERSITY OF PITTSBURGH
RA31	APX-1	1	EA	FIFTH AVE	552+14		LT	
	APX-2	1	EA	FIFTH AVE	552+19		LT	
	APX-3	1	EA	BIGELOW BLVD	37+32		LT	
	APX-4	1	EA	FIFTH AVE	554+15		LT	
	PWR-1	16	LF	FIFTH AVE	552+39	552+55	LT	
	PWR-2	15	LF	FIFTH AVE	552+65	552+80	LT	
	PWR-3	15	LF	FIFTH AVE	552+90	553+05	LT	
	PWR-4	15	LF	FIFTH AVE	553+15	553+30	LT	
	RB-1	1	EA	FIFTH AVE	552+59		LT	
	RB-2	1	EA	FIFTH AVE	552+85		LT	
	RB-3	1	EA	FIFTH AVE	553+10		LT	
	RGB-1	1	EA	FIFTH AVE	554+39		RT	
	RGB-2	1	EA	FIFTH AVE	554+74		RT	
	RGB-3	1	EA	FIFTH AVE	555+09		RT	
	RGB-4	1	EA	FIFTH AVE	555+44		RT	
	RMR-1	111	LF	FIFTH AVE	554+39	555+50	RT	

	ITEM	QUANTITY	UNIT	BASELINE	STA	END STA	OFFSET(LT/RT)	NOTES
RA31 CONT.	RPM-1	1	EA	FIFTH AVE	552+10		LT	
	RTC-1	1	EA	FIFTH AVE	554+36		LT	
	RTC-2	1	EA	FIFTH AVE	554+38		LT	
	RWR-1	184	LF	FIFTH AVE	551+50	553+34	LT	
	SRB-1	152	LF	FIFTH AVE	551+50	553+02	RT	
RA32	APX-1	1	EA	FIFTH AVE	557+16		RT	
	RC-1	24	LF	FIFTH AVE	559+42	559+65	LT	
	RGB-1	1	EA	FIFTH AVE	555+78		RT	
	RGB-2	1	EA	FIFTH AVE	556+13		RT	
	RGB-3	1	EA	FIFTH AVE	556+48		RT	
	RGB-4	1	EA	FIFTH AVE	557+61		RT	
	RGB-5	1	EA	FIFTH AVE	557+95		RT	
	RGB-6	1	EA	FIFTH AVE	558+27		RT	
	RGB-7	1	EA	FIFTH AVE	558+61		RT	
	RGB-8	1	EA	FIFTH AVE	558+93		RT	
	RGB-9	1	EA	FIFTH AVE	558+93		RT	
	RGB-10	1	EA	FIFTH AVE	559+26		RT	
	RGB-11	1	EA	FIFTH AVE	559+59		RT	
	RGB-12	1	EA	FIFTH AVE	559+85		RT	
	RGB-13	1	EA	FIFTH AVE	560+18		RT	
	RGB-14	1	EA	FIFTH AVE	560+40		RT	
	RGB-15	1	EA	FIFTH AVE	560+73		RT	
	RGB-16	1	EA	FIFTH AVE	561+06		RT	
	RGB-17	1	EA	FIFTH AVE	561+39		RT	
	RMR-1	98	LF	FIFTH AVE	555+50	556+48	RT	
RMR-2	198	LF	FIFTH AVE	557+61	559+59	RT		
RMR-3	31	LF	FIFTH AVE	559+86	560+17	RT		
RMR-4	110	LF	FIFTH AVE	560+40	561+50	RT		
SBS-1	1	EA	FIFTH AVE	560+87		LT		
RA33	APX-1	1	EA	FIFTH AVE	564+08		RT	
	APX-2	1	EA	FIFTH AVE	564+68		LT	
	PWR-1	30	LF	FIFTH AVE	563+95	564+15	RT	
	RDG-1	86	LF	FIFTH AVE	563+21	564+07	RT	
	RGB-1	1	EA	FIFTH AVE	561+72		RT	
	RGB-2	1	EA	FIFTH AVE	562+05		RT	
	RGB-3	1	EA	FIFTH AVE	562+38		RT	
	RGB-4	1	EA	FIFTH AVE	562+71		RT	
	RGB-5	1	EA	FIFTH AVE	563+04		RT	
	RGB-6	1	EA	FIFTH AVE	563+36		RT	
	RGB-7	1	EA	FIFTH AVE	563+70		RT	
	RMR-1	220	LF	FIFTH AVE	561+50	563+70	RT	
	RPM-1	1	EA	FIFTH AVE	561+66		LT	
	RPM-2	1	EA	FIFTH AVE	563+78		LT	
	RQK-1	1	EA	N BELLEFIELD AVE	61+46		LT	
	RQK-2	1	EA	N BELLEFIELD AVE	61+52		LT	
RQK-3	1	EA	N BELLEFIELD AVE	61+57		LT		
RQK-4	1	EA	N BELLEFIELD AVE	61+62		LT		
RWR-1	13	LF	N BELLEFIELD AVE	61+38	61+51	LT		

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Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219

NO.	DATE	DESCRIPTION
		REVISIONS

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(NOT FOR CONSTRUCTION)

DESIGNED	SDS
DRAWN	JMS
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
REMOVAL & ADJUSTMENTS PLANS
TABULATIONS



CONTRACT NO. BRT-001

DWG. NO. RA6

SHT. 315

REMOVAL & ADJUSTMENTS TABULATION SHEET

PLOTTED: \$DATE\$ \$TIME\$

DRAWING NO.	ITEM	QUANTITY	UNIT	BASELINE	STA	END STA	OFFSET(LT/RT)	NOTES
RA34	SBS-1	1	EA	FORBES AVE	122+24		RT	
RA35	SBS-1	1	EA	FORBES AVE	128+34		RT	
	APX-1	1	EA	FORBES AVE	128+91		LT	
	APX-2	1	EA	FORBES AVE	128+91		LT	
RA36	RWR-1	79	LF	FORBES AVE	129+74	130+53	RT	
	RTC-1	1	EA	FORBES AVE	141 +21		RT	
	RB-1	1	EA	FORBES AVE	141+27		RT	
	RWR-1	13	LF	FORBES AVE	141+29	141+42	RT	
RA37	SBS-1	1	EA	FORBES AVE	141+35		RT	
	RBR-1	1	EA	FORBES AVE	141+42		RT	
	RWR-1	86	LF	FORBES AVE	144+39	145+25	RT	
	RNM-1	1	EA	FORBES AVE	145+04		RT	
	RNM-2	1	EA	FORBES AVE	145+06		RT	
	RNM-3	1	EA	FORBES AVE	145+09		RT	
	RTC-1	1	EA	FORBES AVE	145+22		RT	
	RPM-2	1	EA	FORBES AVE	146+50		LT	
	SF-1	136	LF	FORBES AVE	146+01	147+38	RT	
	RPM-3	1	EA	FORBES AVE	146+92		LT	
	PWR-1	1	EA	FORBES AVE	147+85		LT	
RA38	RP-1	1	EA	FORBES AVE	148+01		LT	
	SF-2	37	LF	FORBES AVE	148+85	149+22	LT	
	RMB-1	1	EA	FORBES AVE	151+78		RT	
	RMB-2	1	EA	FORBES AVE	151+81		RT	
	RTC-1	1	EA	FORBES AVE	152+08		RT	
	APX-1	1	EA	FORBES AVE	152+19		LT	
	APX-2	1	EA	FORBES AVE	152+20		RT	
	APX-3	1	EA	FORBES AVE	152+77		RT	
	RPS-1	1	EA	FORBES AVE	153+37		RT	
	RPS-2	1	EA	FORBES AVE	153+85		RT	
RA39	RTC-2	1	EA	FORBES AVE	154+26		RT	
	RPS-3	1	EA	FORBES AVE	154+38		RT	

DRAWING NO.	ITEM	QUANTITY	UNIT	BASELINE	STA	END STA	OFFSET(LT/RT)	NOTES	
RA39	RTC-1	1	EA	FORBES AVE	155+70		RT		
	RPS-1	1	EA	FORBES AVE	156+29		RT		
	RMB-1	1	EA	FORBES AVE	156+37		RT		
	RTC-2	1	EA	FORBES AVE	156+50		LT		
	SF-2	19	LF	FORBES AVE	157+04	157+23	RT		
	RBR-1	1	EA	FORBES AVE	157+21		LT		
	RWR-1	179	LF	FORBES AVE	157+30	159+09	LT		
	SF-1	164	LF	FORBES AVE	157+33	158+97	LT		
	RP-1	1	EA	FORBES AVE	158+98		RT		
	RP-2	1	EA	FORBES AVE	159+17		RT		
	RP-3	1	EA	FORBES AVE	159+35		RT		
	RA40	RP-1	1	EA	FORBES AVE	159+53		RT	
		RP-2	1	EA	FORBES AVE	160+27		RT	
RP-3		1	EA	FORBES AVE	160+43		RT		
RP-4		1	EA	FORBES AVE	160+67		RT		
SF-1		22	LF	FORBES AVE	160+66	160+88	RT		
RBR-1		1	EA	FORBES AVE	160+73		LT		
RTC-1		1	EA	FORBES AVE	160+96		RT		
RAT-1		1	EA	FORBES AVE	161+04		RT		
RMB-1		1	EA	FORBES AVE	161+06		LT		
SF-2		19	LF	FORBES AVE	162+11	162+30	RT		
RBP-1		1	EA	FORBES AVE	163+35		RT		
RBP-2		1	EA	FORBES AVE	163+62		RT		
RTC-2		1	EA	FORBES AVE	163+86		LT		
STG-1		1	EA	FORBES AVE	163+75		RT		
RBR-2	1	EA	FORBES AVE	163+98		LT			
RBR-3	1	EA	FORBES AVE	164+04		LT			
STG-2	1	EA	FORBES AVE	164+06		RT			
STG-3	1	EA	FORBES AVE	164+48		RT			

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Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219



GANNETT FLEMING, INC.
Foster Plaza 8
Suite 400
730 Holiday Drive
Pittsburgh, PA. 15220

NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

DESIGNED	KMH
DRAWN	KMH
CHECKED	MRK
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
REMOVAL & ADJUSTMENTS PLANS
TABULATIONS



CONTRACT NO. BRT-001

DWG. NO. RA7

SHT. 316

PLOTTED: \$DATE\$ \$TIME\$

REMOVAL & ADJUSTMENTS TABULATION SHEET

DRAWING NO.	ITEM	QUANTITY	UNIT	BASELINE	STA	END STA	OFFSET(LT/RT)	NOTES
R41	SF-1	153	LF	FORBES AVE	164+54	166+07	LT	
	RBP-1	1	EA	FORBES AVE	164+97		RT	
	RBP-2	1	EA	FORBES AVE	165+23		RT	
	STG-1	1	EA	FORBES AVE	165+30		RT	
	RBR-1	1	EA	FORBES AVE	165+54		RT	
	SF-2	109	LF	FORBES AVE	164+97	166+06	RT	
	STG-2	1	EA	FORBES AVE	165+60		RT	
	RTC-1	1	EA	FORBES AVE	165+85		RT	
	STG-3	1	EA	FORBES AVE	165+92		RT	
RA42	RMB-1	1	EA	FORBES AVE	166+16		RT	
	STG-1	1	EA	FORBES AVE	170+63		RT	
	RTC-1	1	EA	FORBES AVE	170+73		RT	
	RWR-1	35	LF	FORBES AVE	171+88	172+23	LT	
RA43	SF-1	87	LF	FORBES AVE	172+45	173+33	LT	
	RMB-1	1	EA	FORBES AVE	172+23		RT	
RA44	SF-1	122	LF	FORBES AVE	173+51	174+73	RT	
	SBS-1	1	EA	FORBES AVE	210+87		RT	
RA45	SPM-1	1	EA	FORBES AVE	212+36		LT	
	SPM-1	1	EA	FORBES AVE	214+78		RT	
	APX-1	1	EA	FORBES AVE	217+23		LT	
RA46	SBS-1	1	EA	FORBES AVE	243+56		RT	
	SBS-2	1	EA	FORBES AVE	243+74		RT	
	SPM-1	1	EA	FORBES AVE	245+93		RT	
	RPS-1	1	EA	FORBES AVE	246+55		RT	
	SPM-2	1	EA	FORBES AVE	247+07		RT	

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Gulf Tower
707 Grant Street
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Pittsburgh, PA 15219



GANNETT FLEMING, INC.
Foster Plaza 8
Suite 400
730 Holiday Drive
Pittsburgh, PA. 15220

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		REVISIONS

THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE FEDERAL TRANSIT ADMINISTRATION, U.S. DEPARTMENT OF TRANSPORTATION, UNDER THE URBAN MASS TRANSPORTATION ACT OF 1964, AS AMENDED, FOR THE PORT AUTHORITY OF ALLEGHENY COUNTY, PENNSYLVANIA.

(NOT FOR CONSTRUCTION)

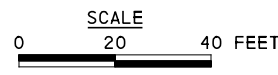
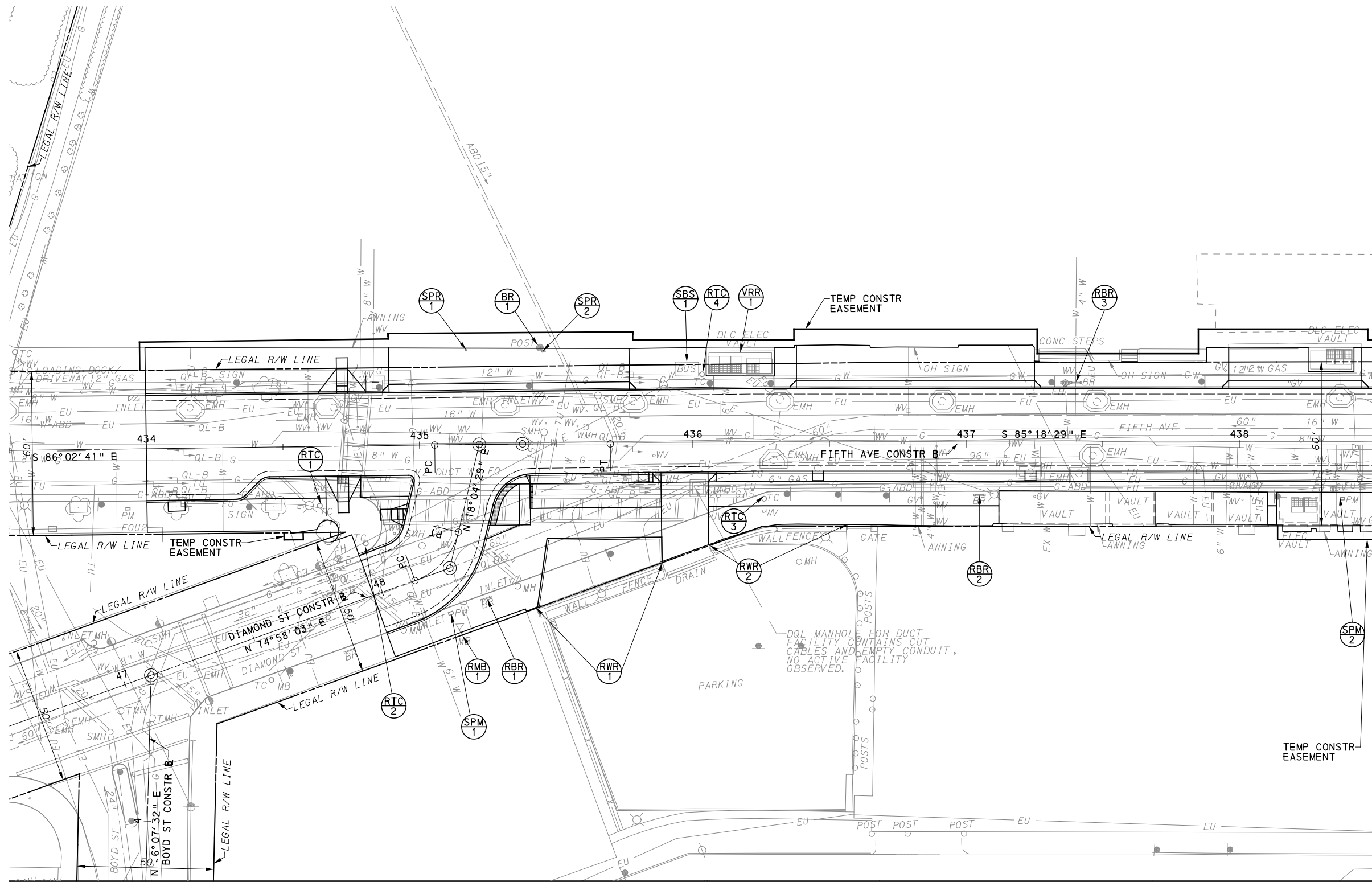
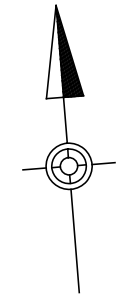
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
REMOVAL & ADJUSTMENTS PLANS
TABULATIONS



CONTRACT NO. BRT-001
DWG. NO. RA8 SHT. 317



[FOR ROADWAY PLAN SEE SHEET 357]

AECOM
Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219

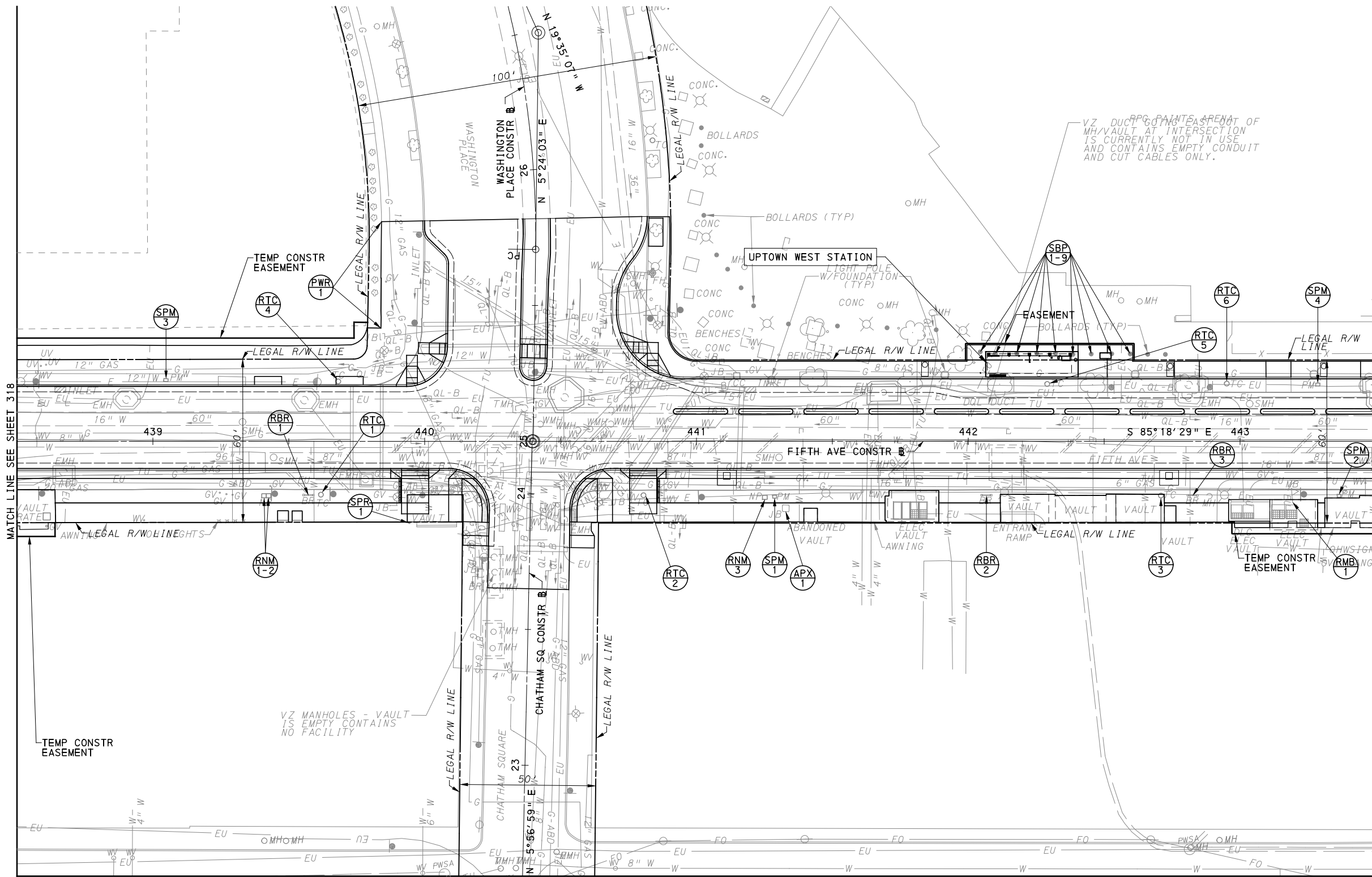
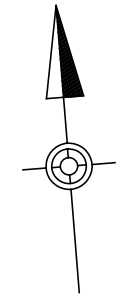
NO.	DATE	DESCRIPTION
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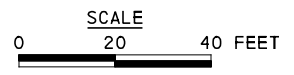
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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 433+50 TO STA 438+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. RA9 SHT. 318



MATCH LINE SEE SHEET 344



[FOR ROADWAY PLAN SEE SHEET 358]

AECOM
 Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

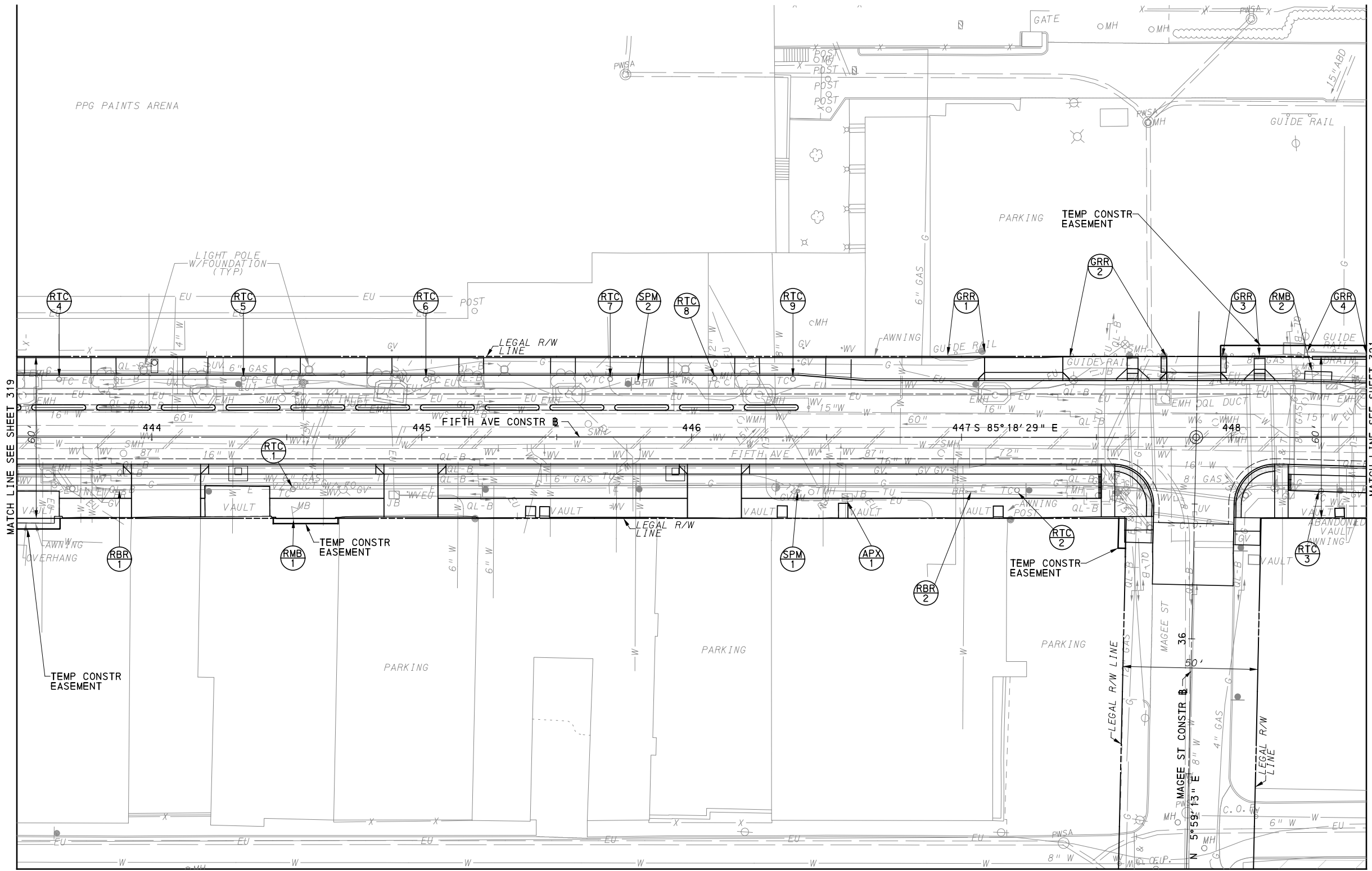
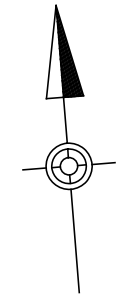
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REVISIONS		

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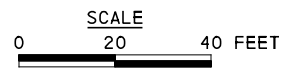
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 438+50 TO STA 443+50		
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. RA10	SHT. 319



MATCH LINE SEE SHEET 335



[FOR ROADWAY PLAN SEE SHEET 359]

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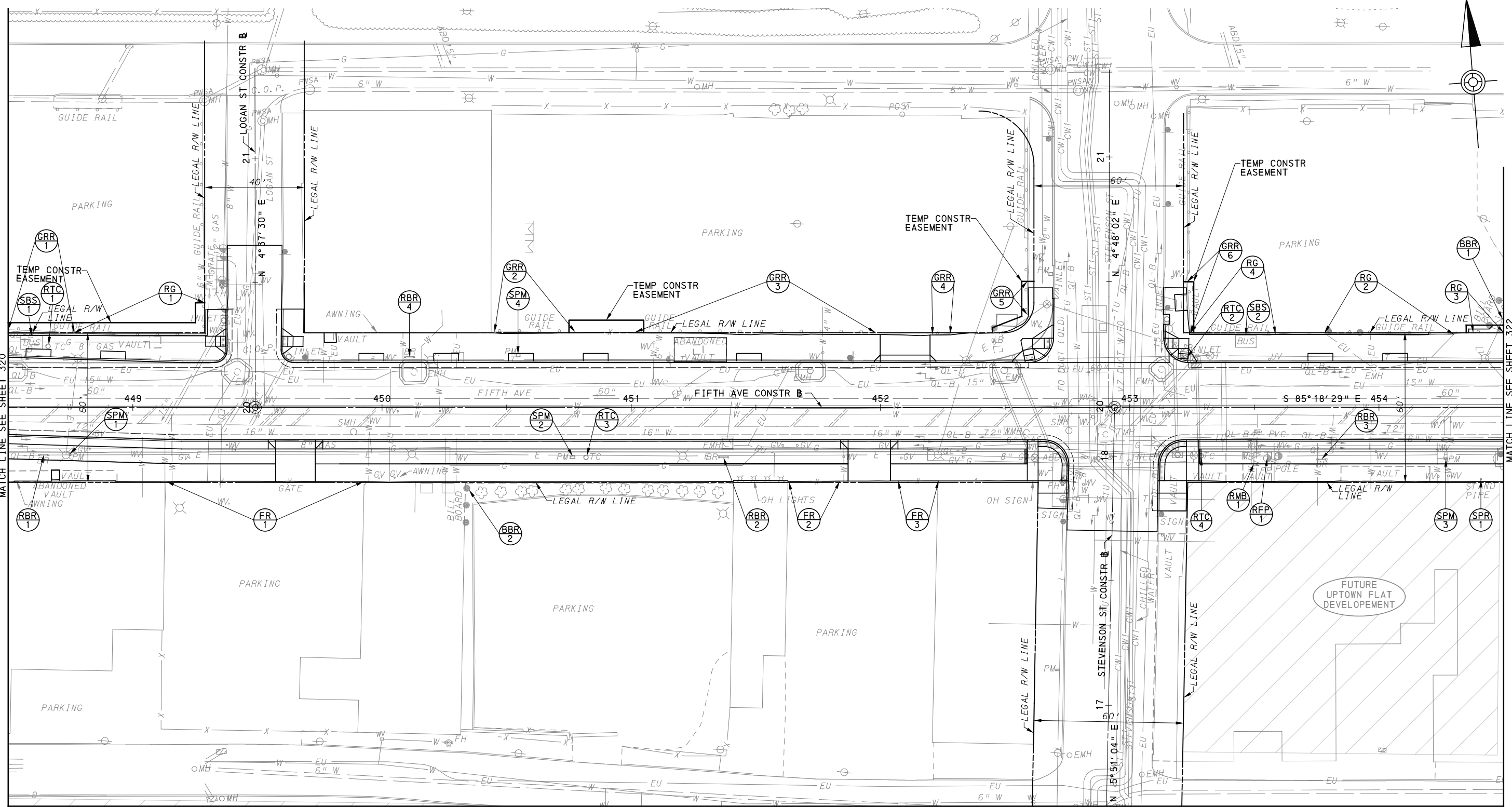
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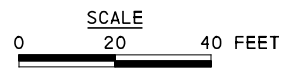
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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 443+50 TO STA 448+50	
Port Authority <small>connecting people to life™</small>	CONTRACT NO. BRT-001
	DWG. NO. RA11 SHT. 320



MATCH LINE SEE SHEET 345



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DATE	05/01/24
SCALE	AS SHOWN

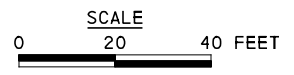
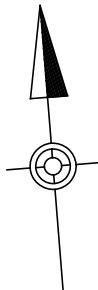
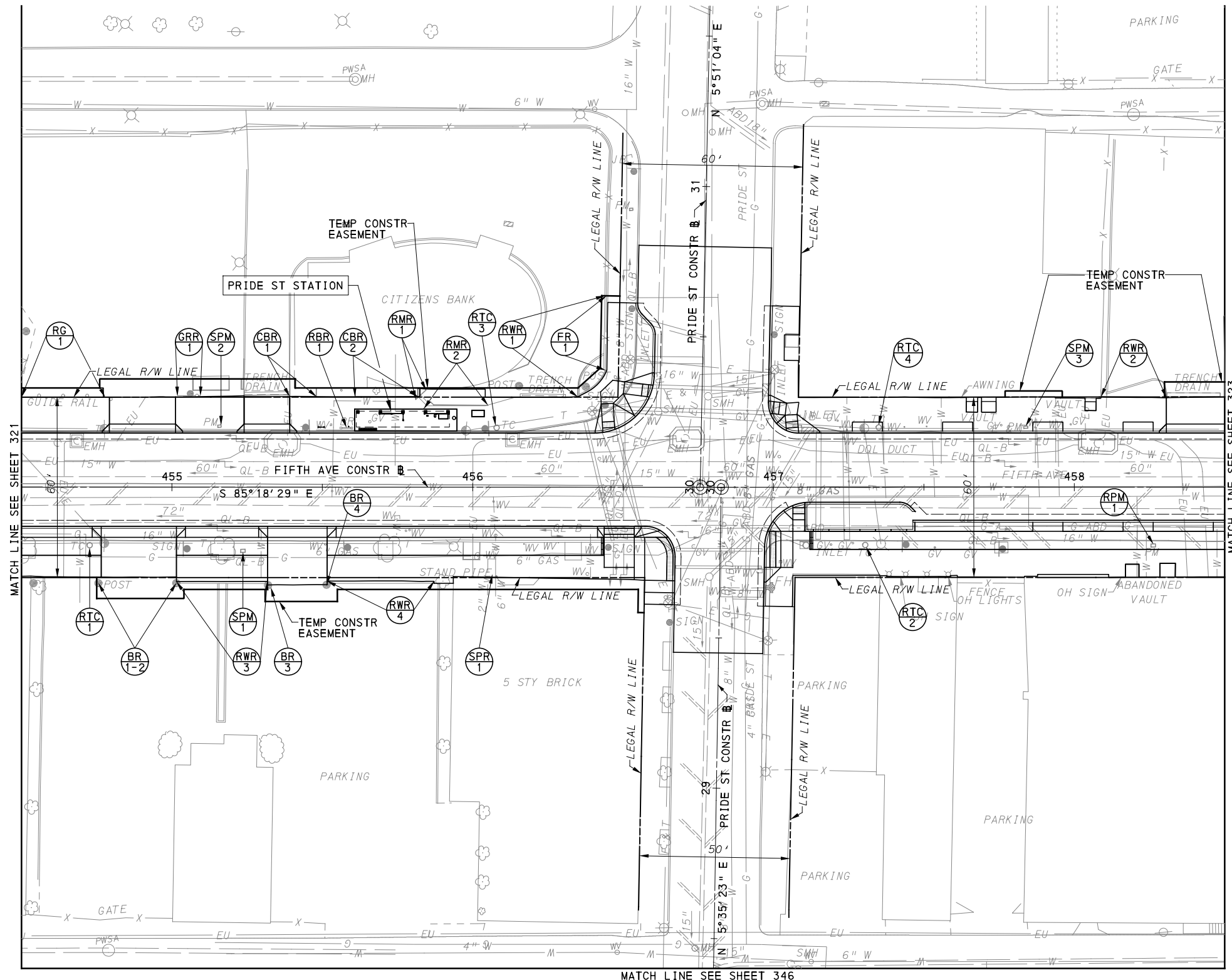
[FOR ROADWAY PLAN SEE SHEET 360]

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 REMOVAL & ADJUSTMENTS PLANS
 FIFTH AVE - STA 448+50 TO STA 454+50

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CONTRACT NO. BRT-001	
DWG. NO. RA12	SHT. 321



[FOR ROADWAY PLAN SEE SHEET 361]

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Pittsburgh, PA 15219

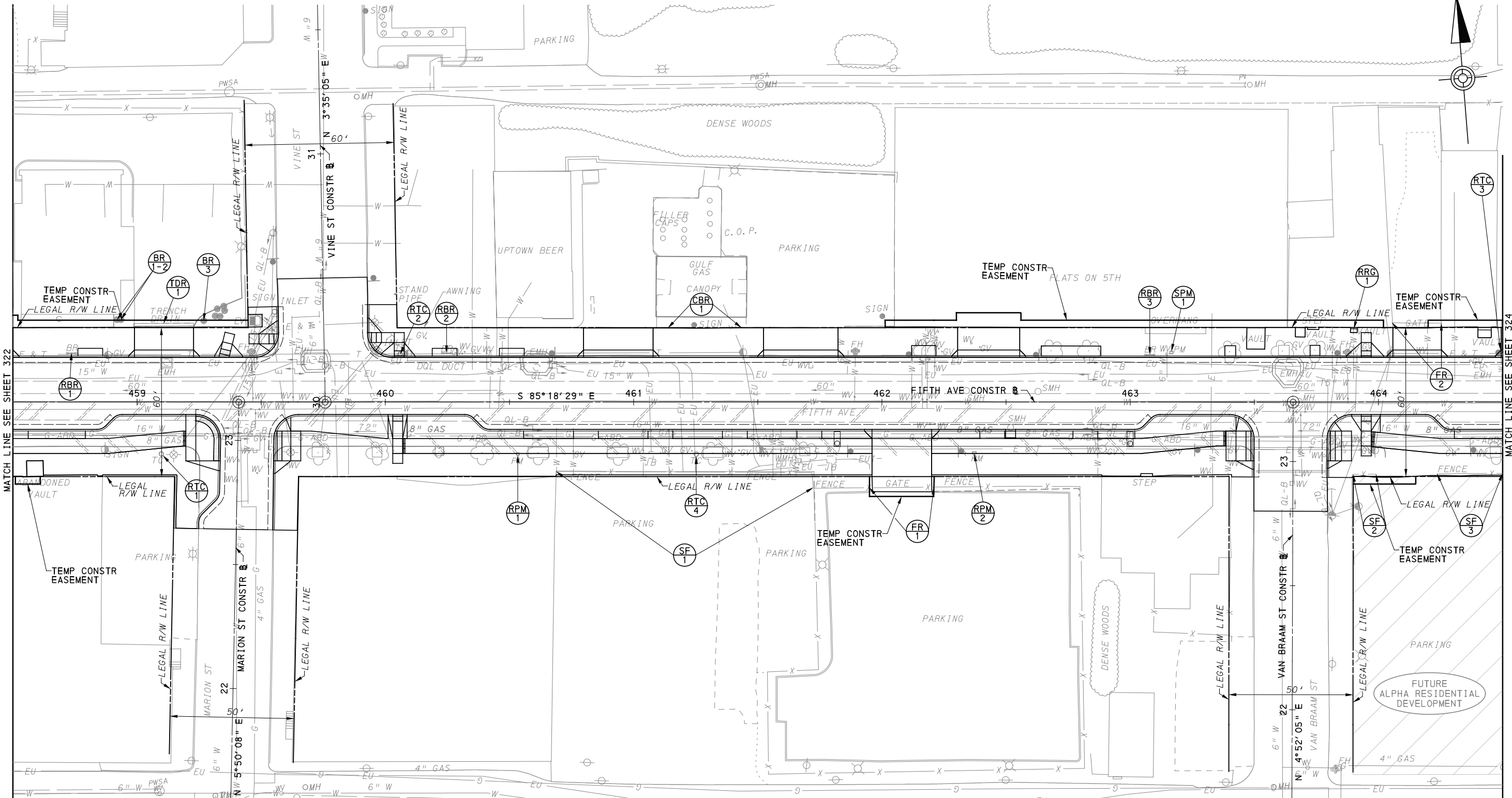
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REVISIONS		

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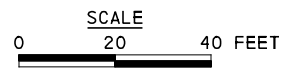
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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 454+50 TO STA 458+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. RA13 SHT. 322



MATCH LINE SEE SHEET 347



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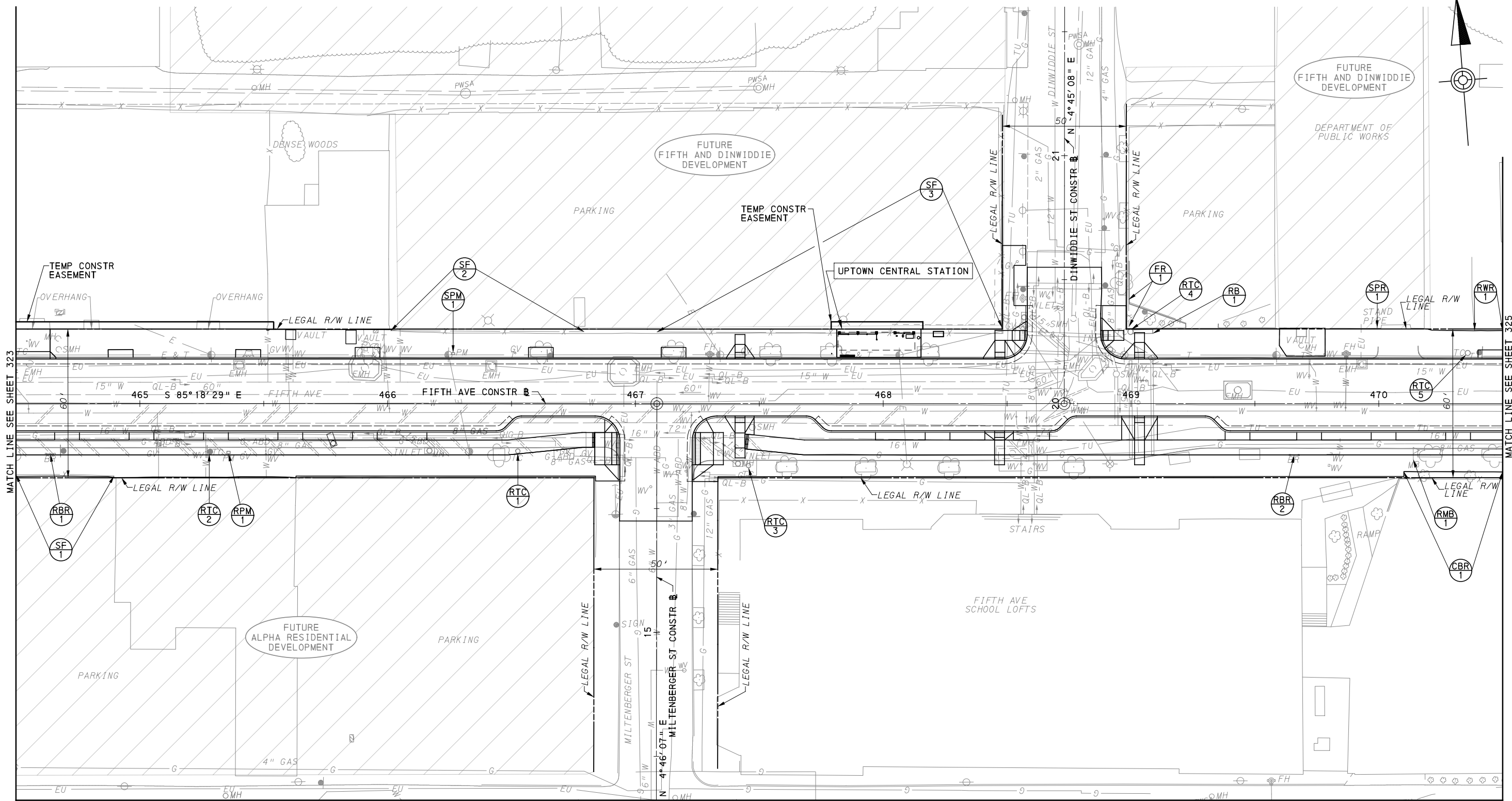
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CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

(FOR ROADWAY PLAN SEE SHEET 362)

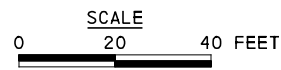
PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND
REMOVAL & ADJUSTMENTS PLANS
FIFTH AVE - STA 458+50 TO STA 464+50

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DWG. NO. RA14	SHT. 323



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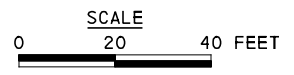
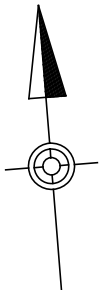
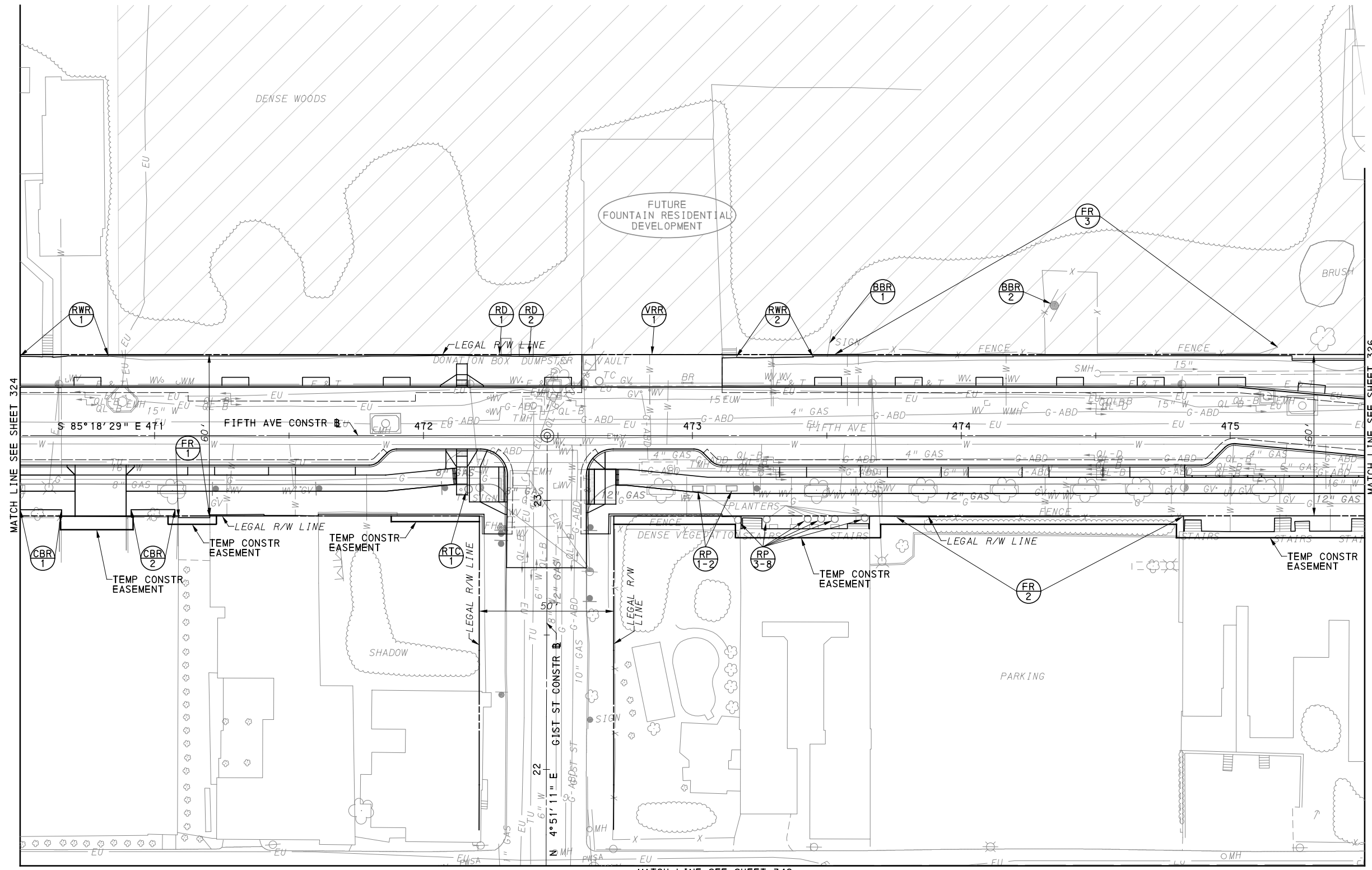
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DATE	05/01/24
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[FOR ROADWAY PLAN SEE SHEET 363]

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

**BUS RAPID TRANSIT UPTOWN TO OAKLAND
REMOVAL & ADJUSTMENTS PLANS
FIFTH AVE - STA 464+50 TO STA 470+50**

Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. RA15	SHT. 324



[FOR ROADWAY PLAN SEE SHEET 364]

AECOM
Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219

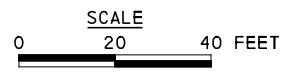
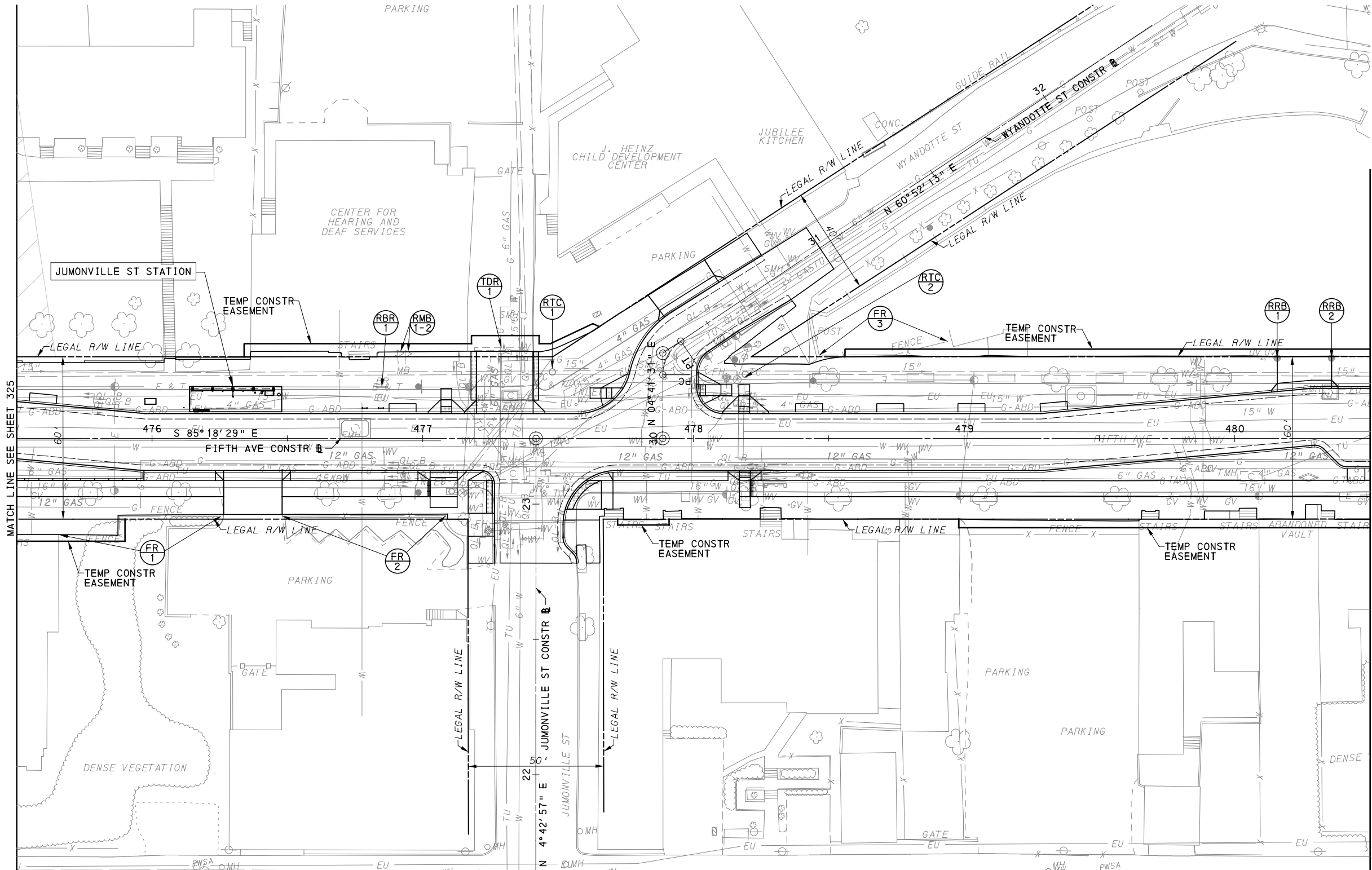
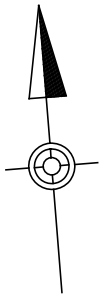
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DATE	05/01/24
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 470+50 TO STA 475+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. RA16 SHT. 325



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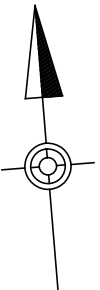
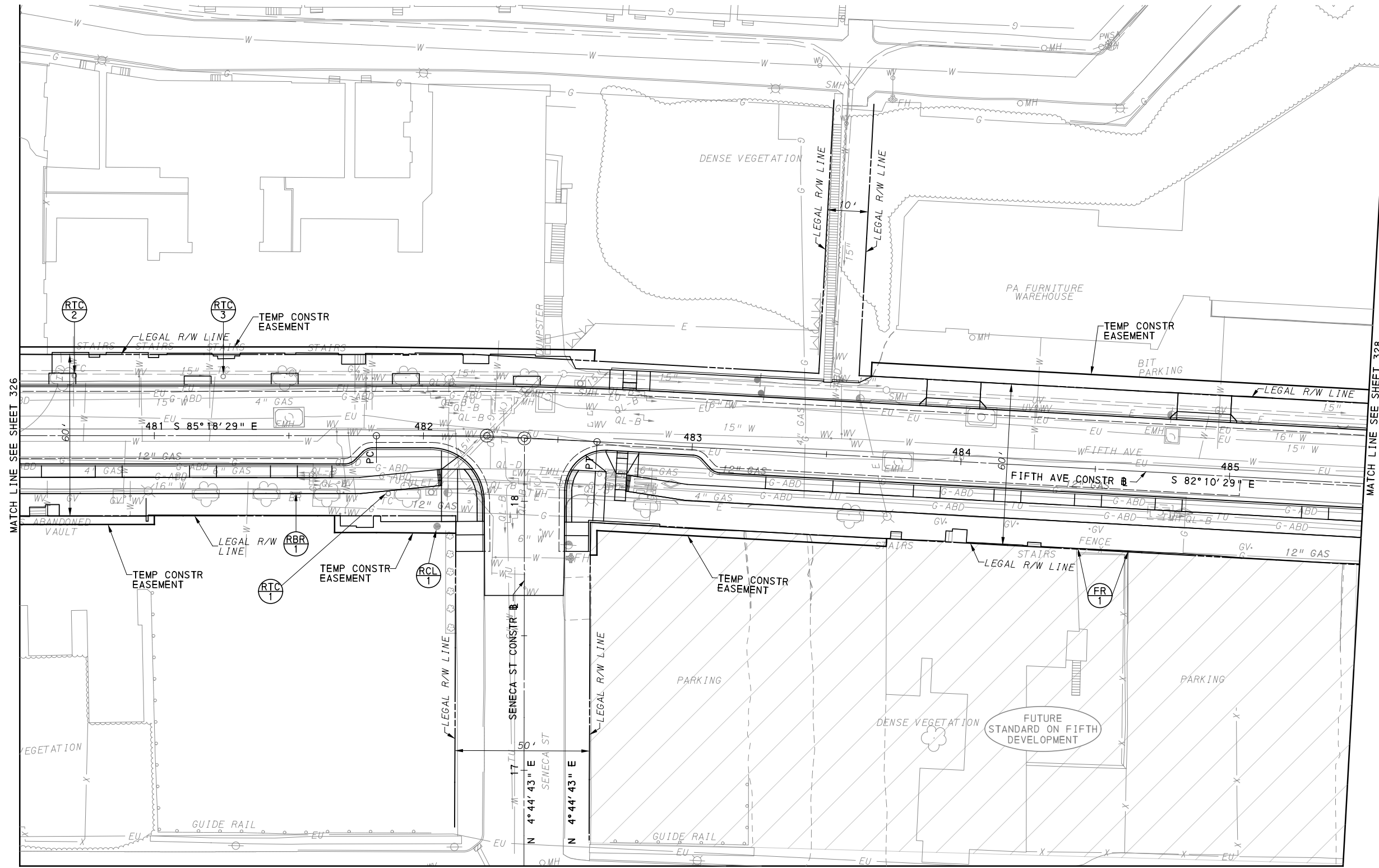
NO.	DATE	DESCRIPTION
REVISIONS		

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DATE	<u>05/01/24</u>
SCALE	AS SHOWN

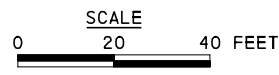
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 475+50 TO STA 480+50		
Port Authority <small>connecting people to life</small>		CONTRACT NO. BRT-001
DWG. NO. RA17	SHT. 326	



MATCH LINE SEE SHEET 326

MATCH LINE SEE SHEET 328

MATCH LINE SEE SHEET 351



[FOR ROADWAY PLAN SEE SHEET 366]

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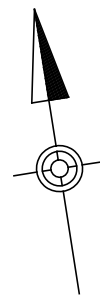
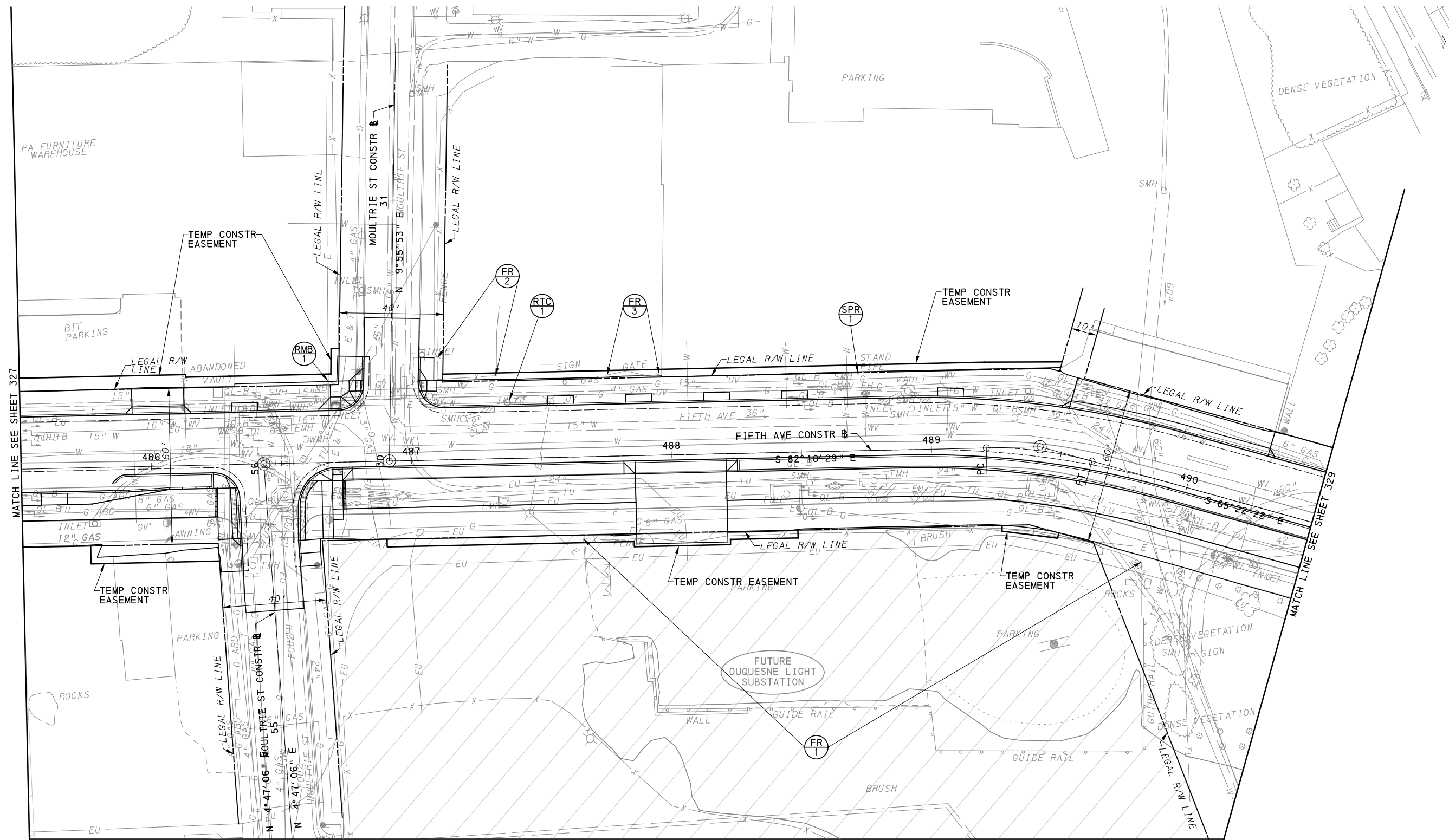
NO.	DATE	DESCRIPTION
REVISIONS		

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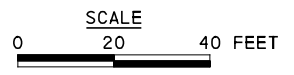
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DESIGNED	SDS
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CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 480+50 TO STA 485+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. RA18 SHT. 327



MATCH LINE SEE SHEET 369



FOR ROADWAY PLAN SEE SHEET 367

AECOM
 Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

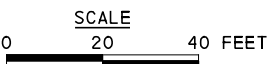
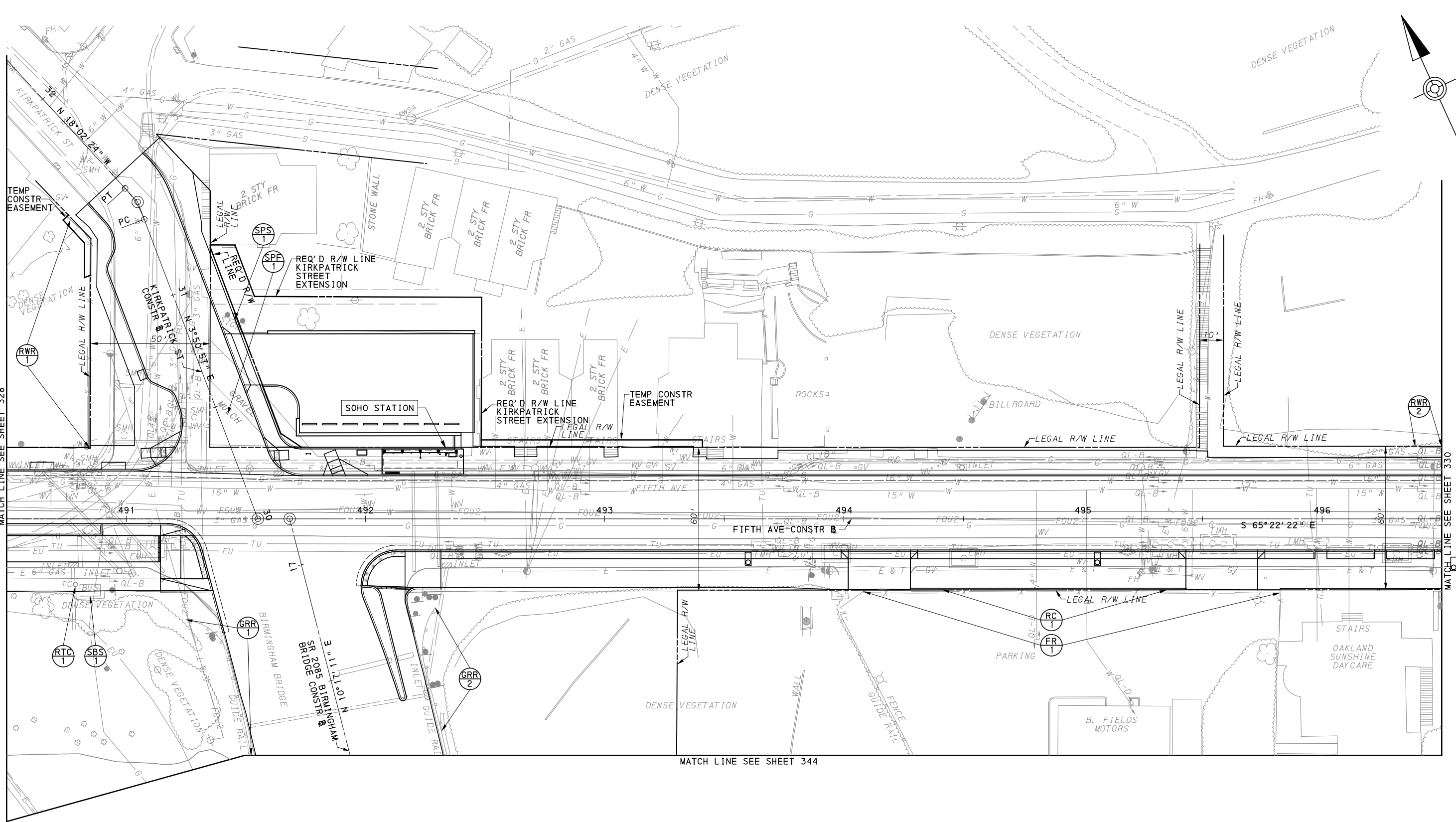
NO.	DATE	DESCRIPTION
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 485+50 TO STA 490+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. RA19 SHT. 328



[FOR ROADWAY PLAN SEE SHEET 368]

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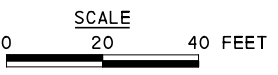
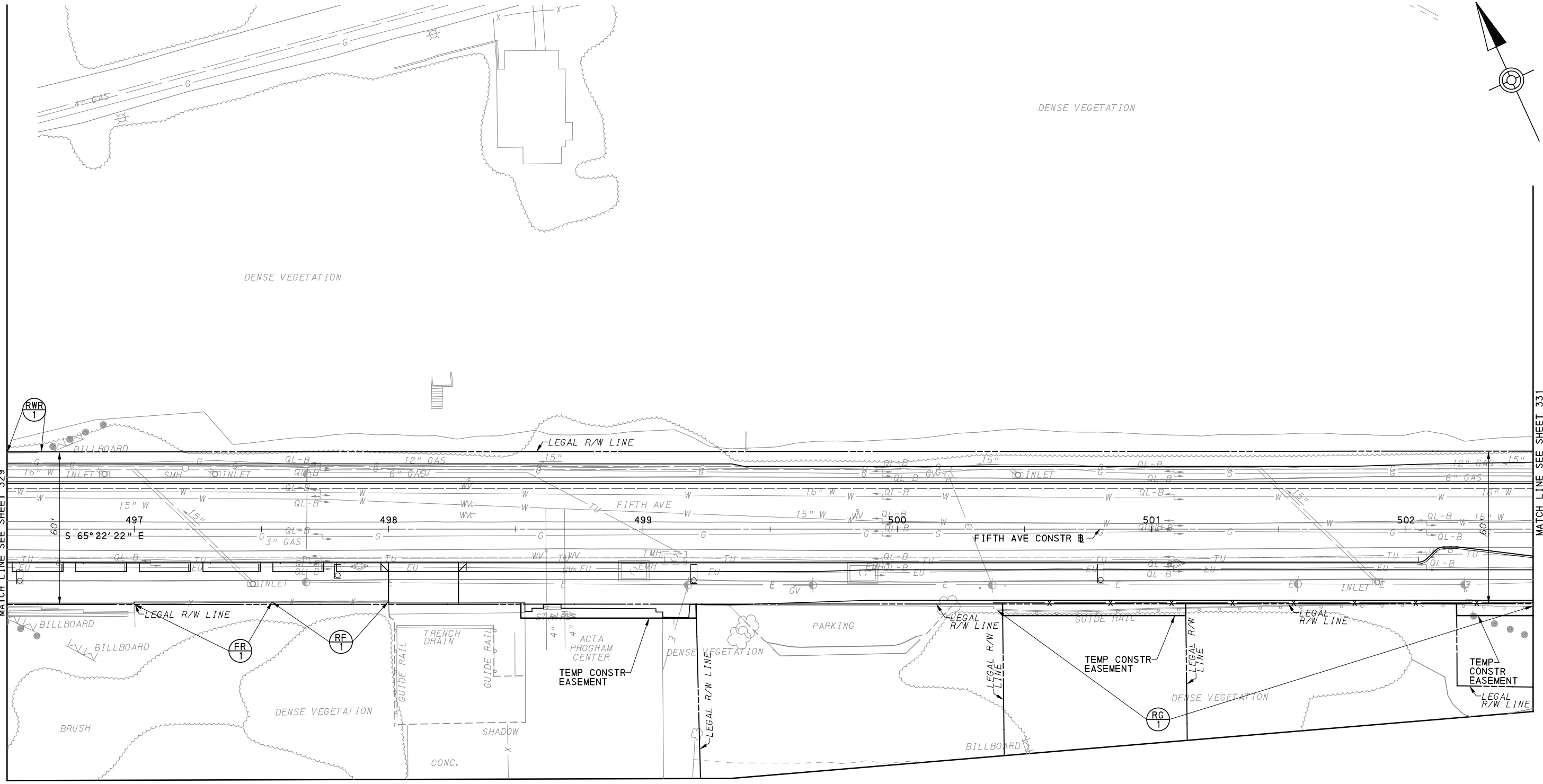
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DESIGNED	SDS
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 490+50 TO STA 496+50	
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	DWG. NO. RA20 SHT. 329



[FOR ROADWAY PLAN SEE SHEET 369]

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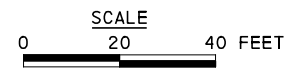
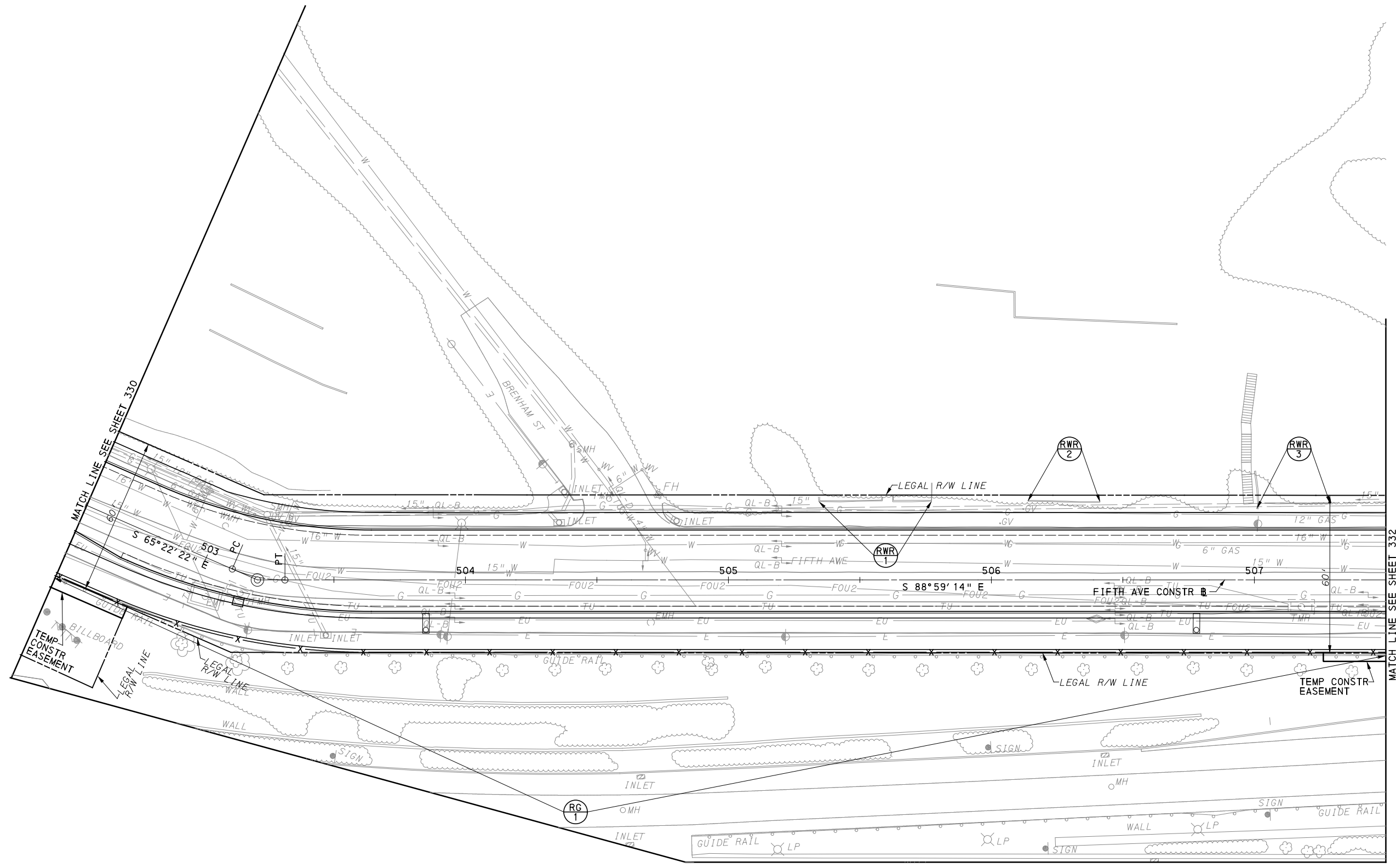
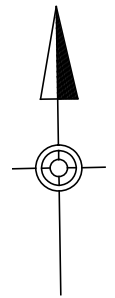
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DRAWN	JMS
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 REMOVAL & ADJUSTMENTS PLANS
 FIFTH AVE - STA 496+50 TO STA 502+50

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DWG. NO. RA21	SHT. 330



[FOR ROADWAY PLAN SEE SHEET 330]

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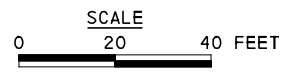
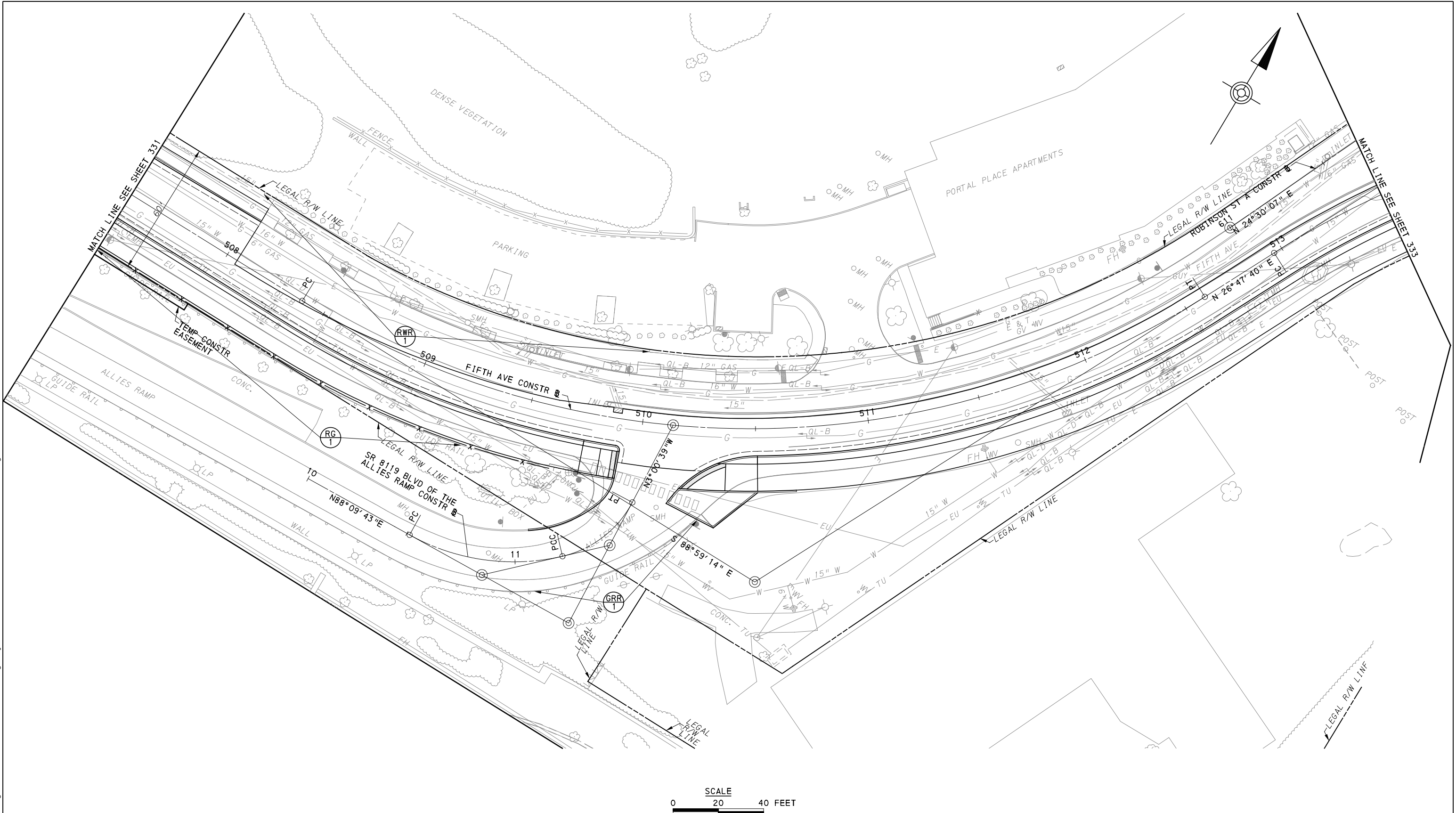
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 502+50 TO STA 507+50	
Port Authority <small>connecting people to life™</small>	CONTRACT NO. BRT-001
	DWG. NO. RA22 SHT. 331



[FOR ROADWAY PLAN SEE SHEET 371]

AECOM
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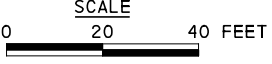
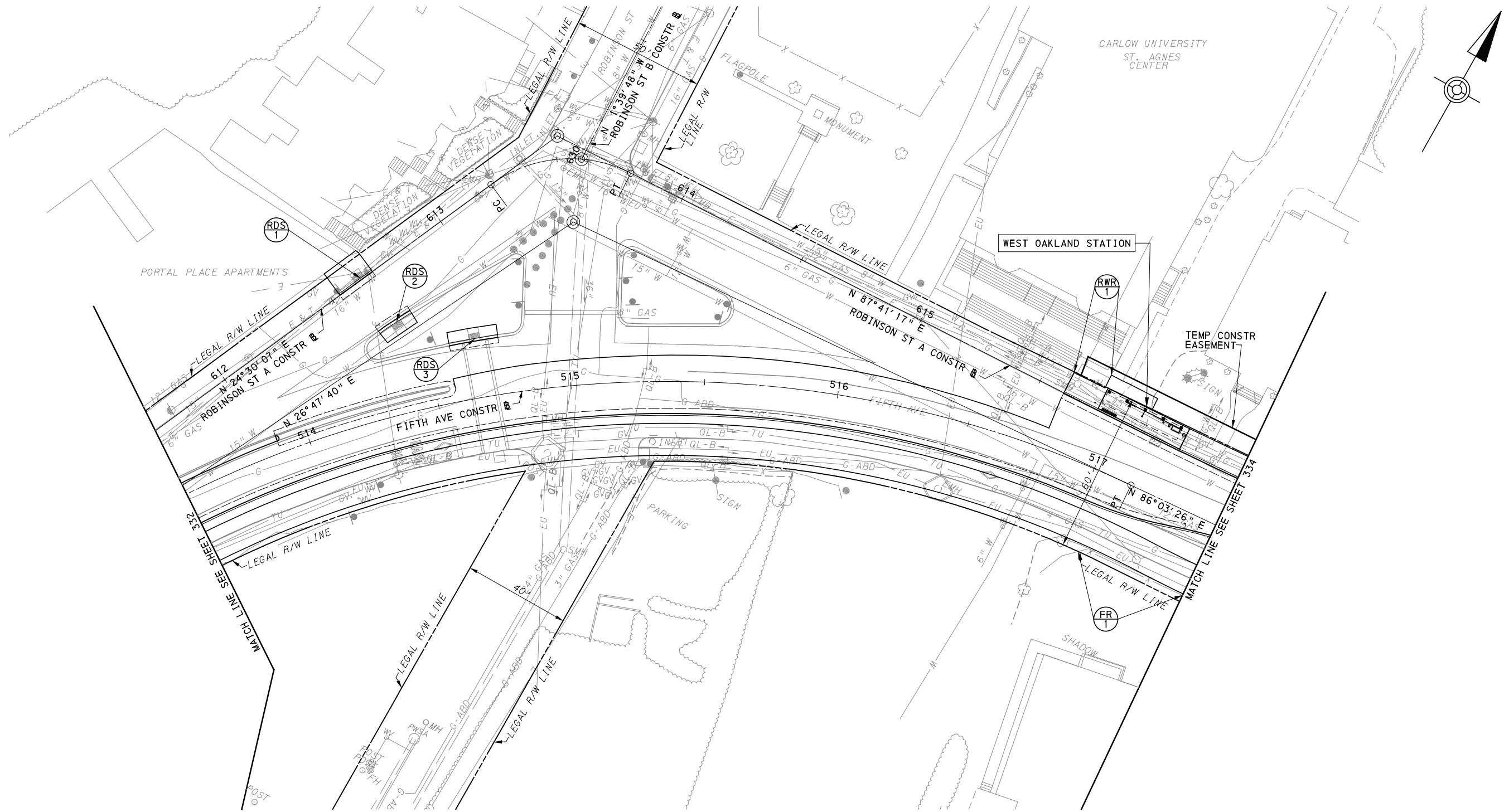
NO.	DATE	DESCRIPTION
REVISIONS		

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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 507+50 TO STA 513+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. RA23 SHT. 332



[FOR ROADWAY PLAN SEE SHEET 372]



Gulf Tower
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5th Floor
Pittsburgh, PA 15219

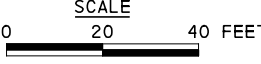
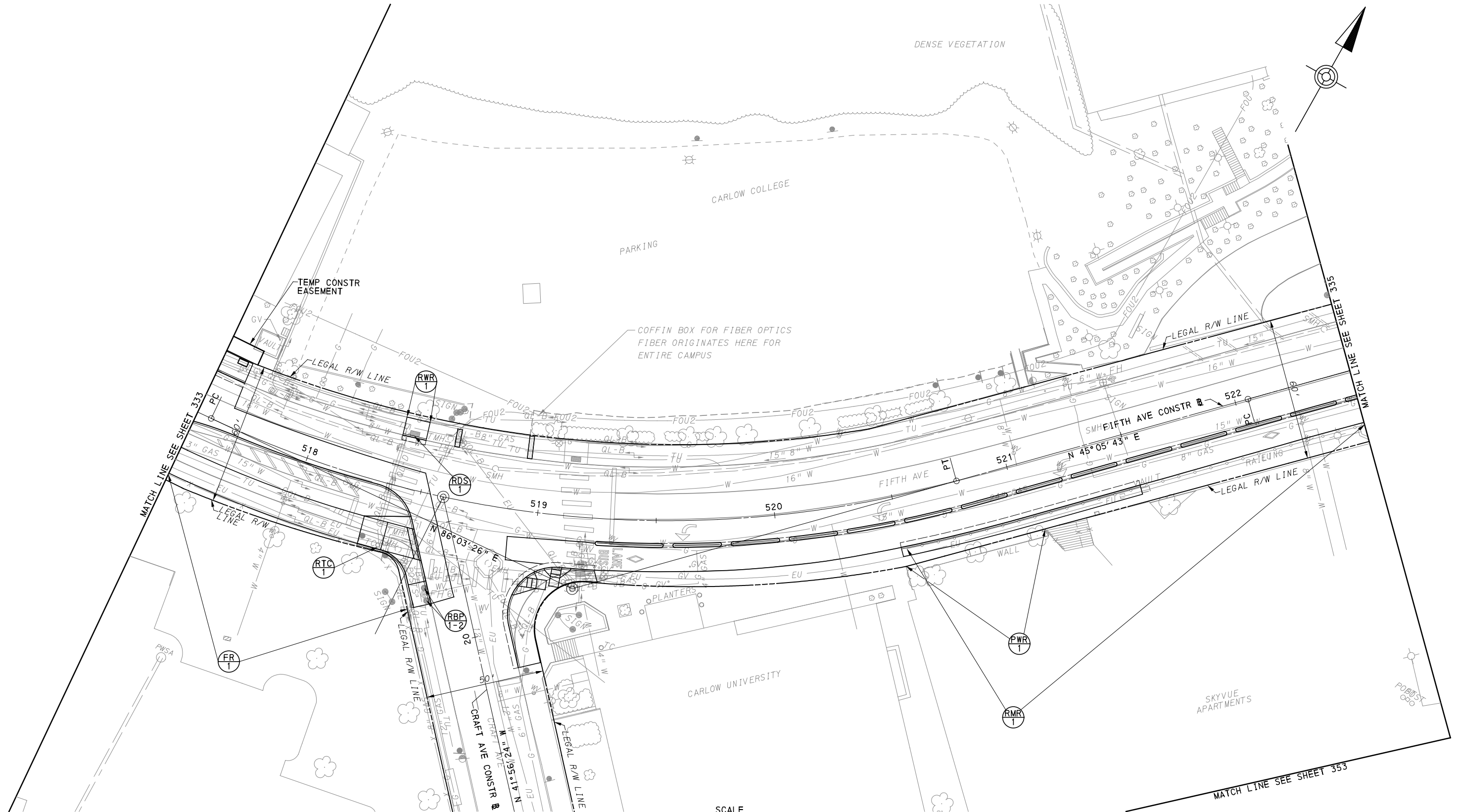
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 513+50 TO STA 517+50	
Port Authority <small>connecting people to life™</small>	CONTRACT NO. BRT-001
	DWG. NO. RA24 SHT. 333



[FOR ROADWAY PLAN SEE SHEET 373]

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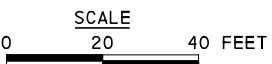
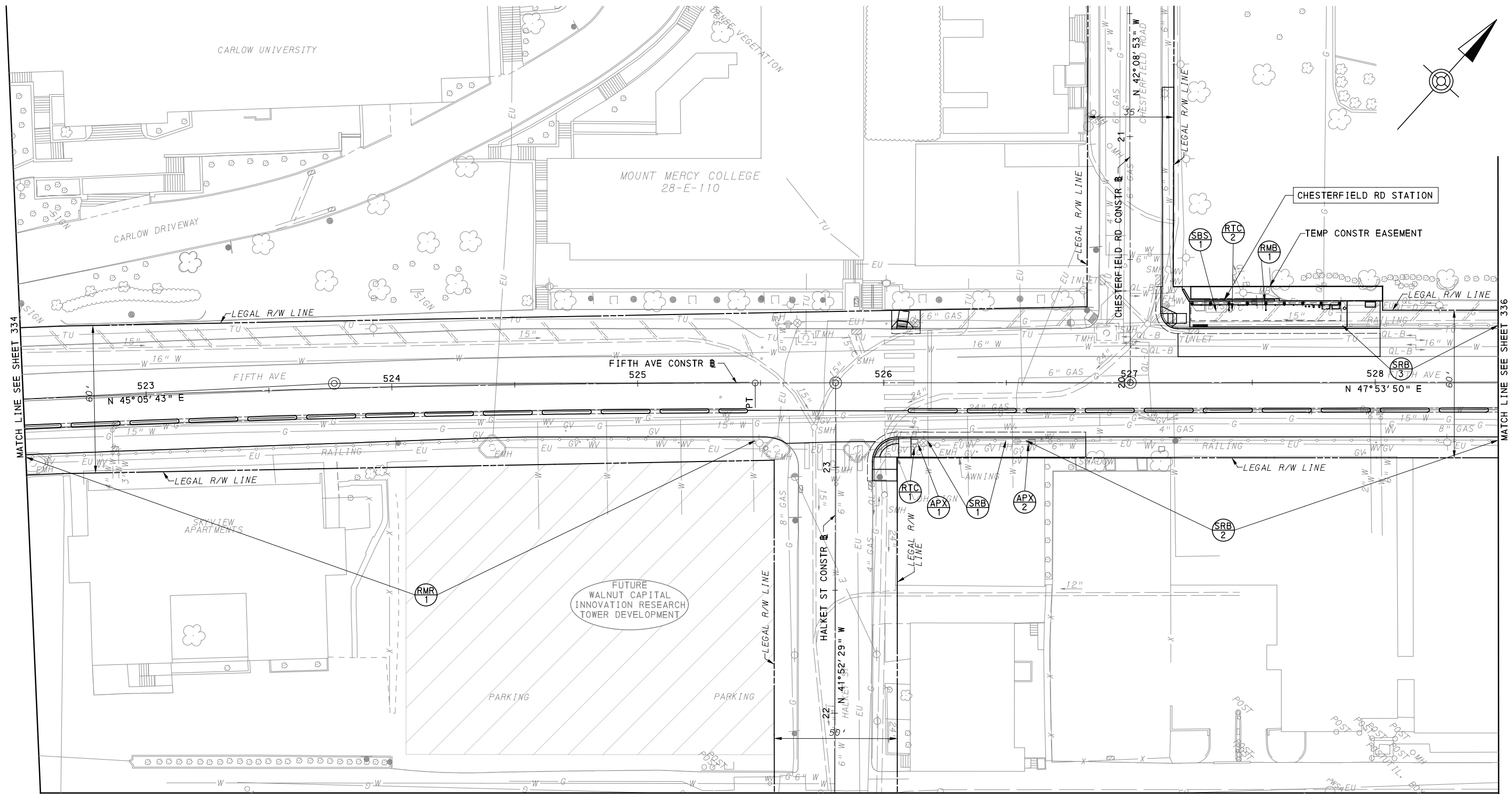
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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 REMOVAL & ADJUSTMENTS PLANS
 FIFTH AVE - STA 517+50 TO STA 522+50

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DWG. NO. RA25	SHT. 334



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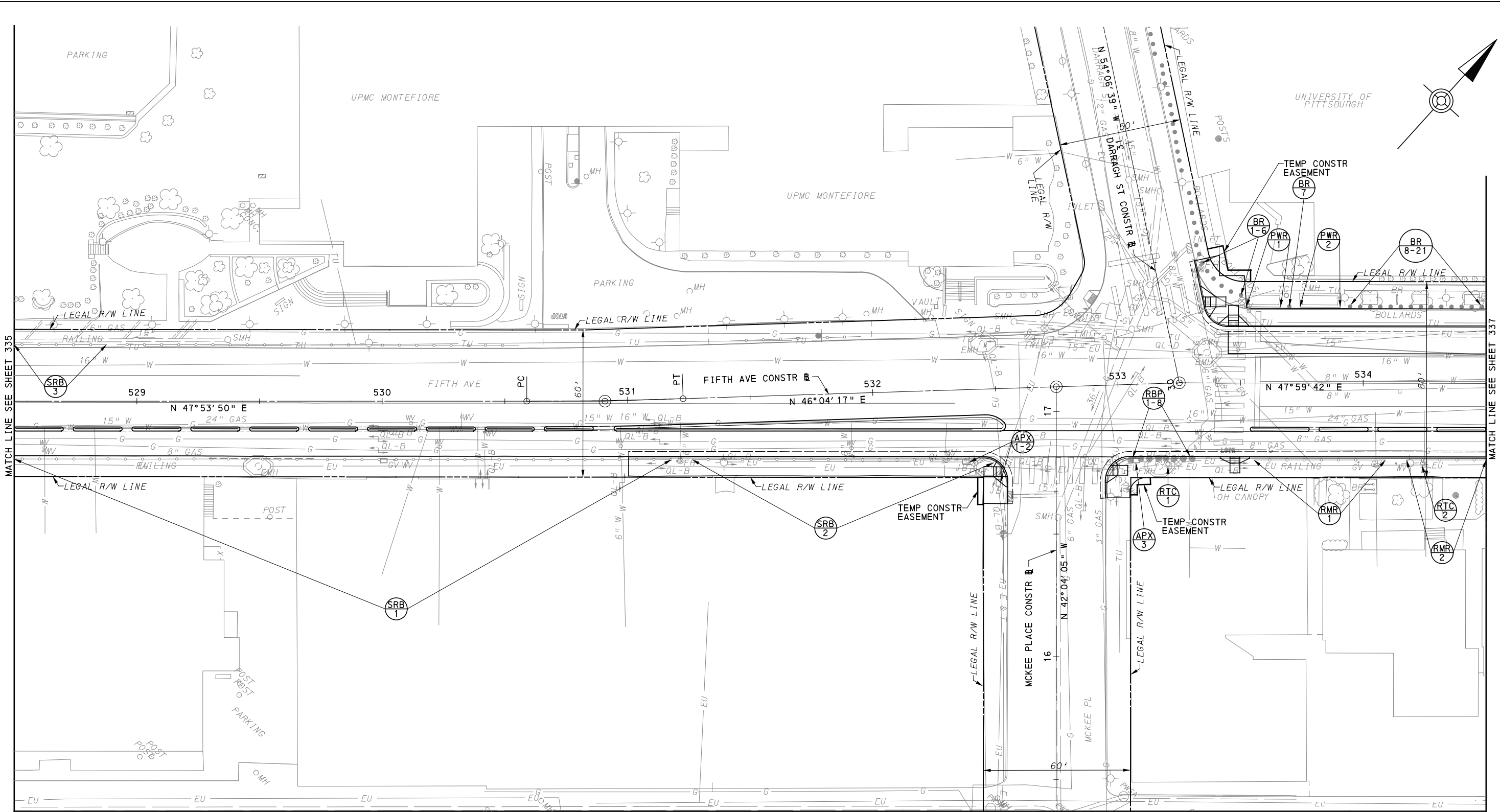
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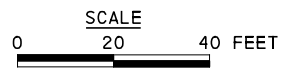
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(FOR ROADWAY PLAN SEE SHEET 374)		
PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 522+50 TO STA 528+50		
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DWG. NO.	RA26	SHT. 335



MATCH LINE SEE SHEET 355



[FOR ROADWAY PLAN SEE SHEET 375]



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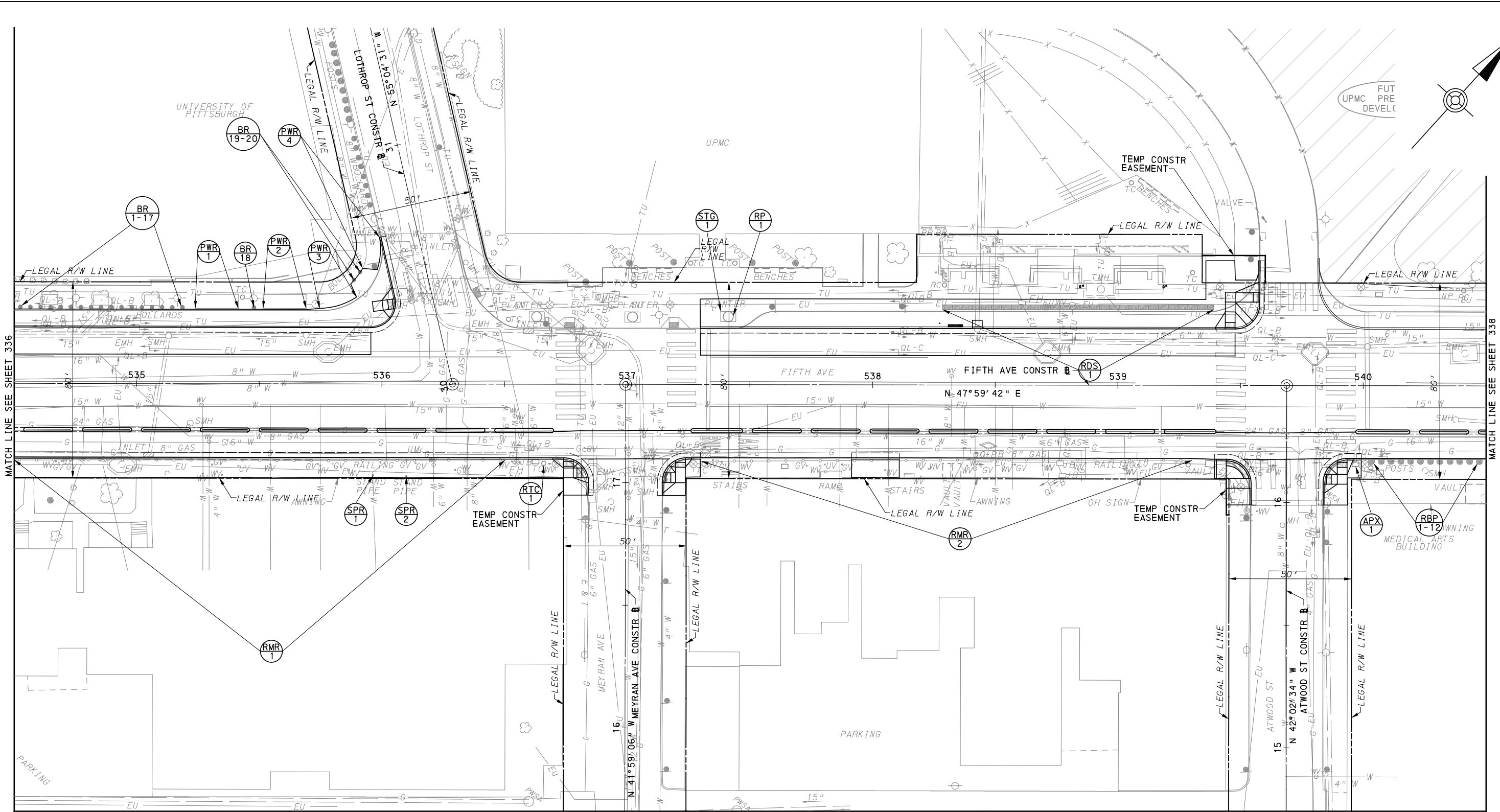
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SCALE	AS SHOWN

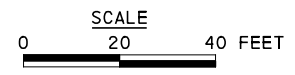
PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 528+50 TO STA 534+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. RA27 SHT. 336



MATCH LINE SEE SHEET 336

MATCH LINE SEE SHEET 338

MATCH LINE SEE SHEET 320



FOR ROADWAY PLAN SEE SHEET 376

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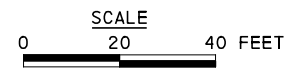
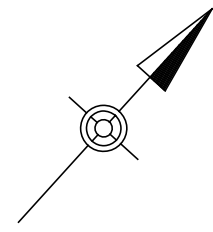
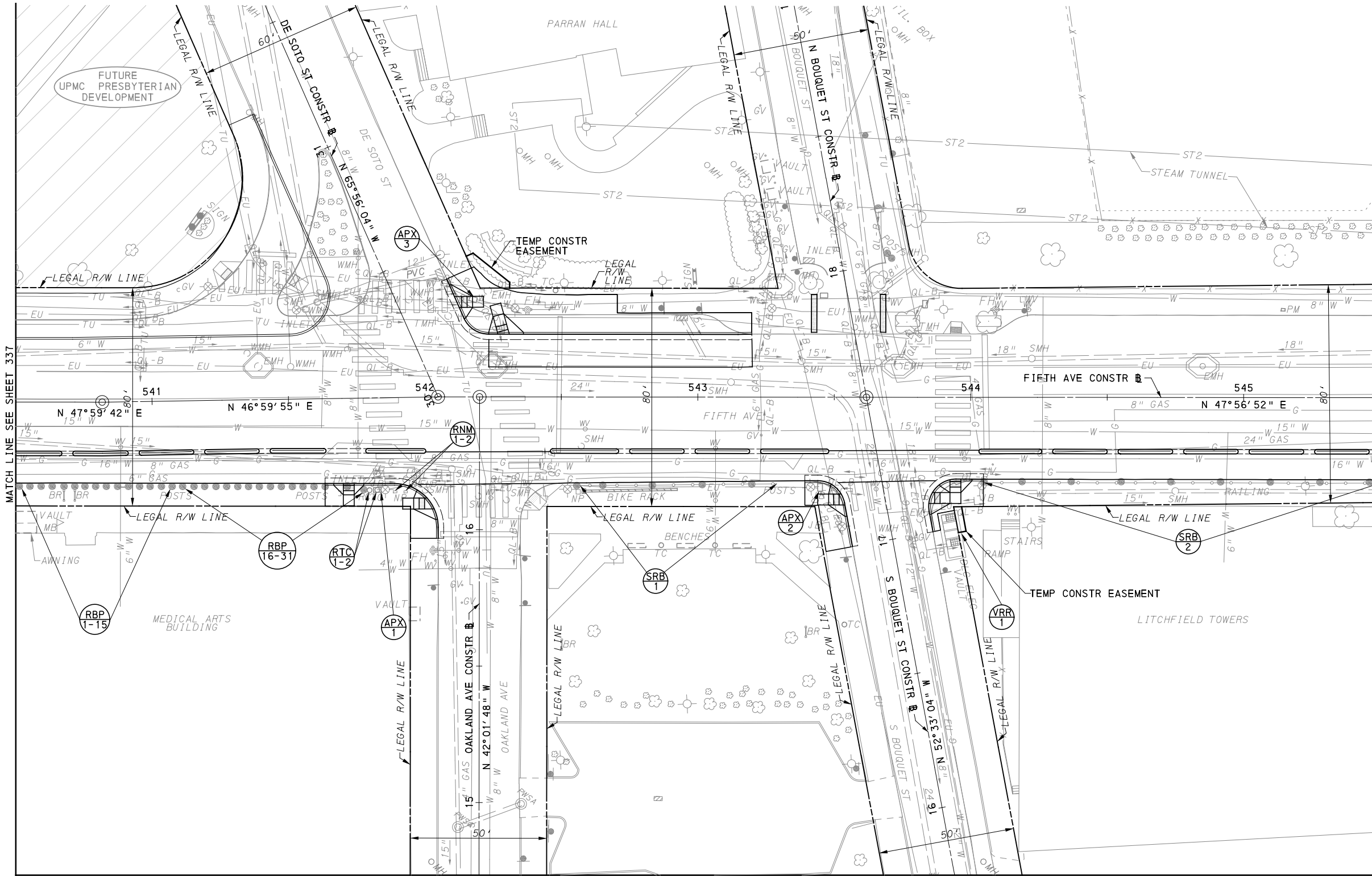
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 534+50 TO STA 540+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. RA28 SHT. 337



MATCH LINE SEE SHEET 348

[FOR ROADWAY PLAN SEE SHEET 377]

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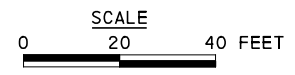
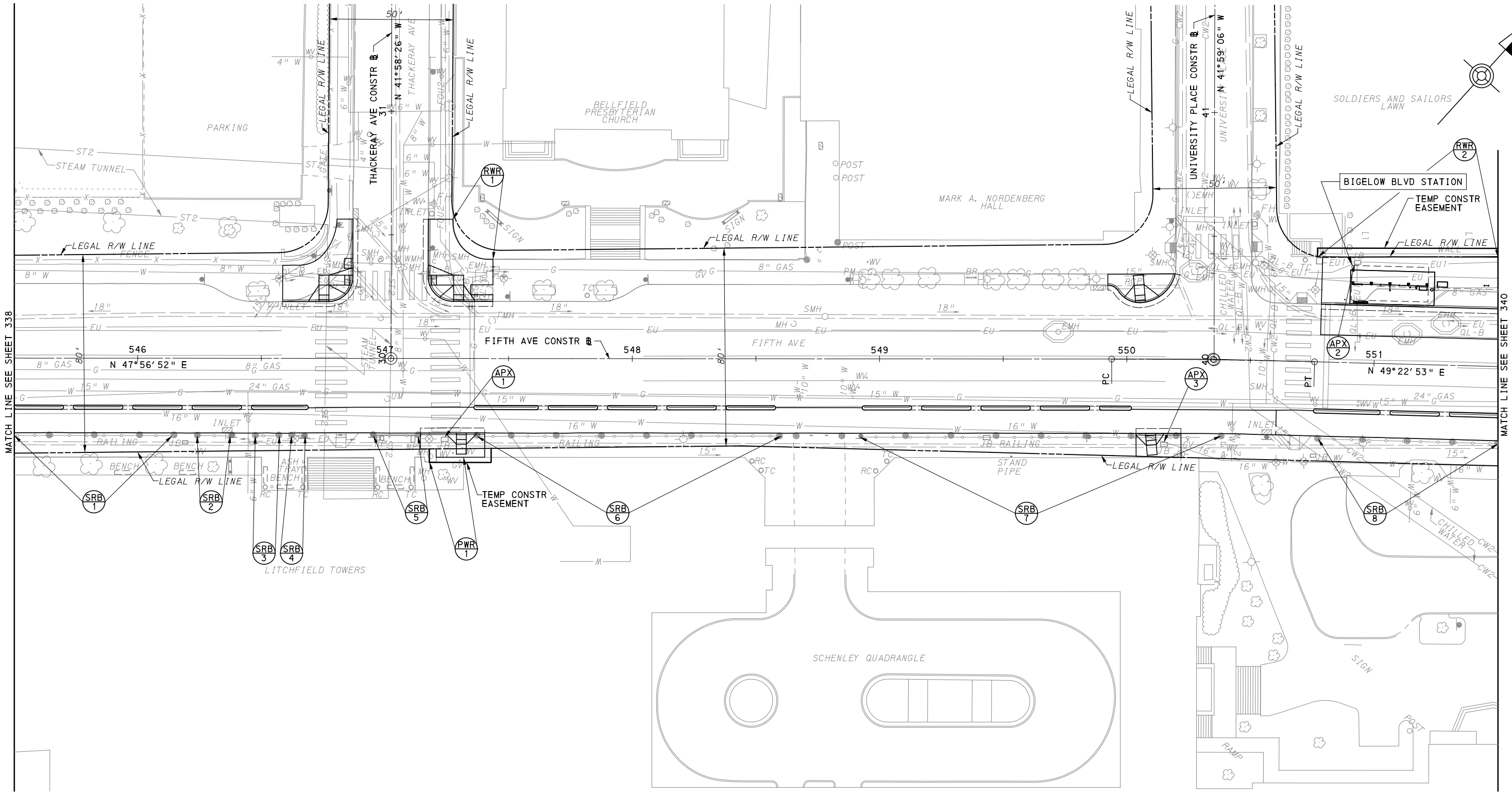
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 540+50 TO STA 545+50		
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	DWG. NO. RA29	SHT. 338



[FOR ROADWAY PLAN SEE SHEET 378]

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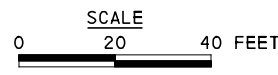
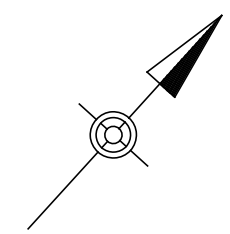
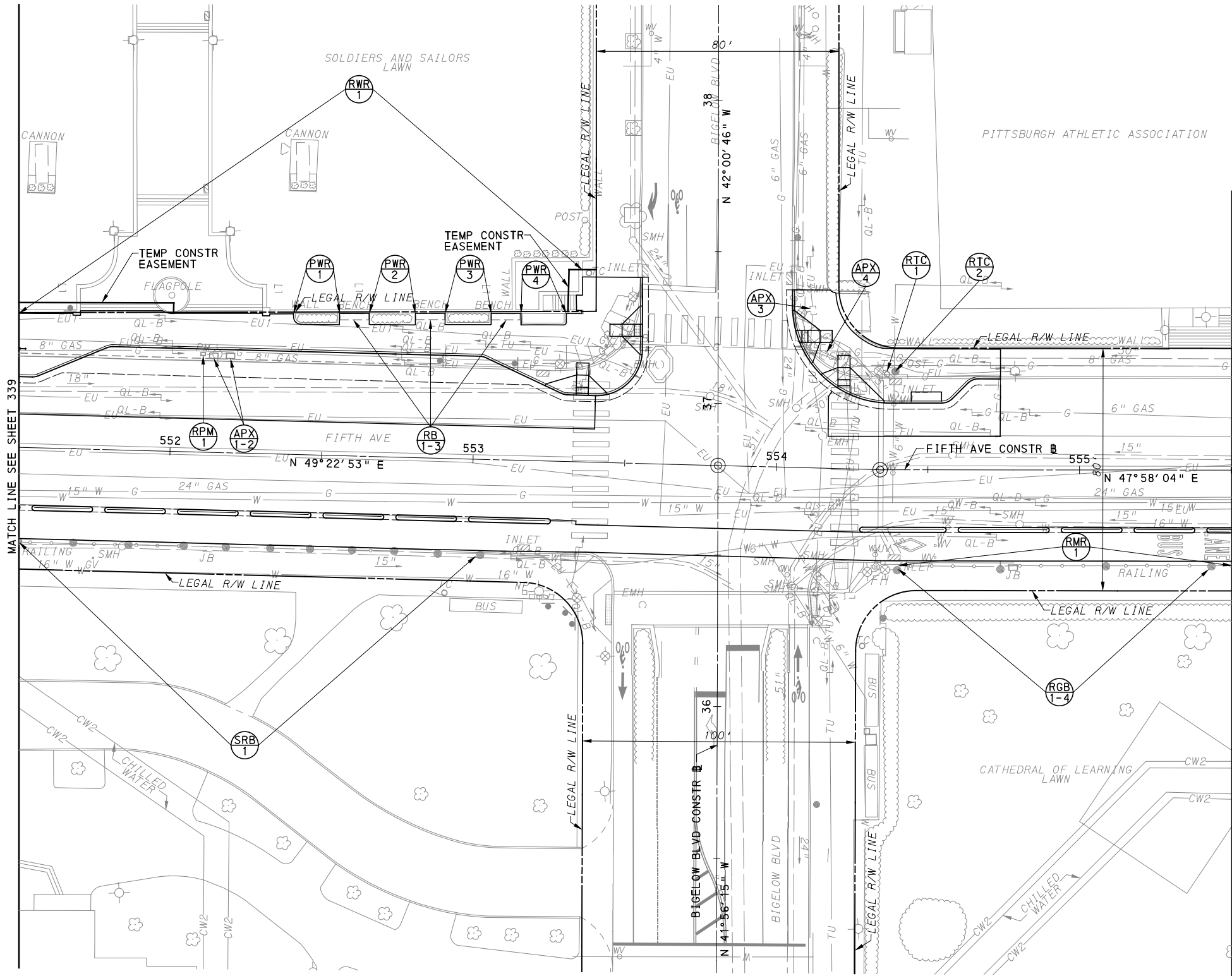
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**BUS RAPID TRANSIT UPTOWN TO OAKLAND
 REMOVAL & ADJUSTMENTS PLANS
 FIFTH AVE - STA 545+50 TO STA 551+50**

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DWG. NO. RA30
SHT. 339



MATCH LINE SEE SHEET 339

MATCH LINE SEE SHEET 341

FOR ROADWAY PLAN SEE SHEET 379

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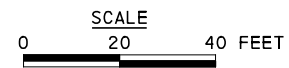
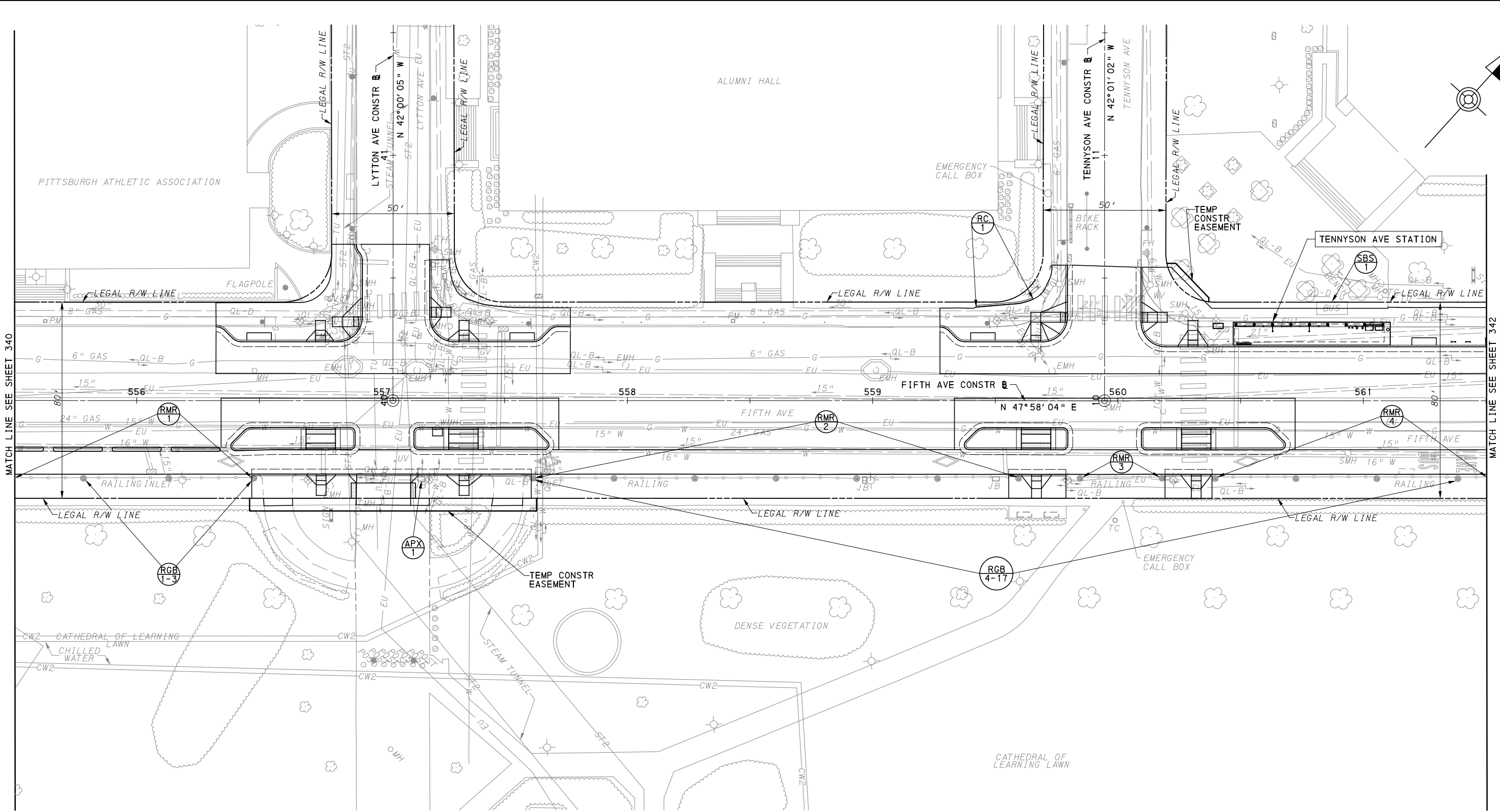
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 551+50 TO STA 555+50		
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. RA31	SHT. 340



[FOR ROADWAY PLAN SEE SHEET 380]



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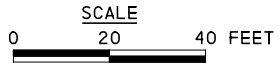
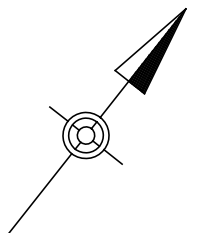
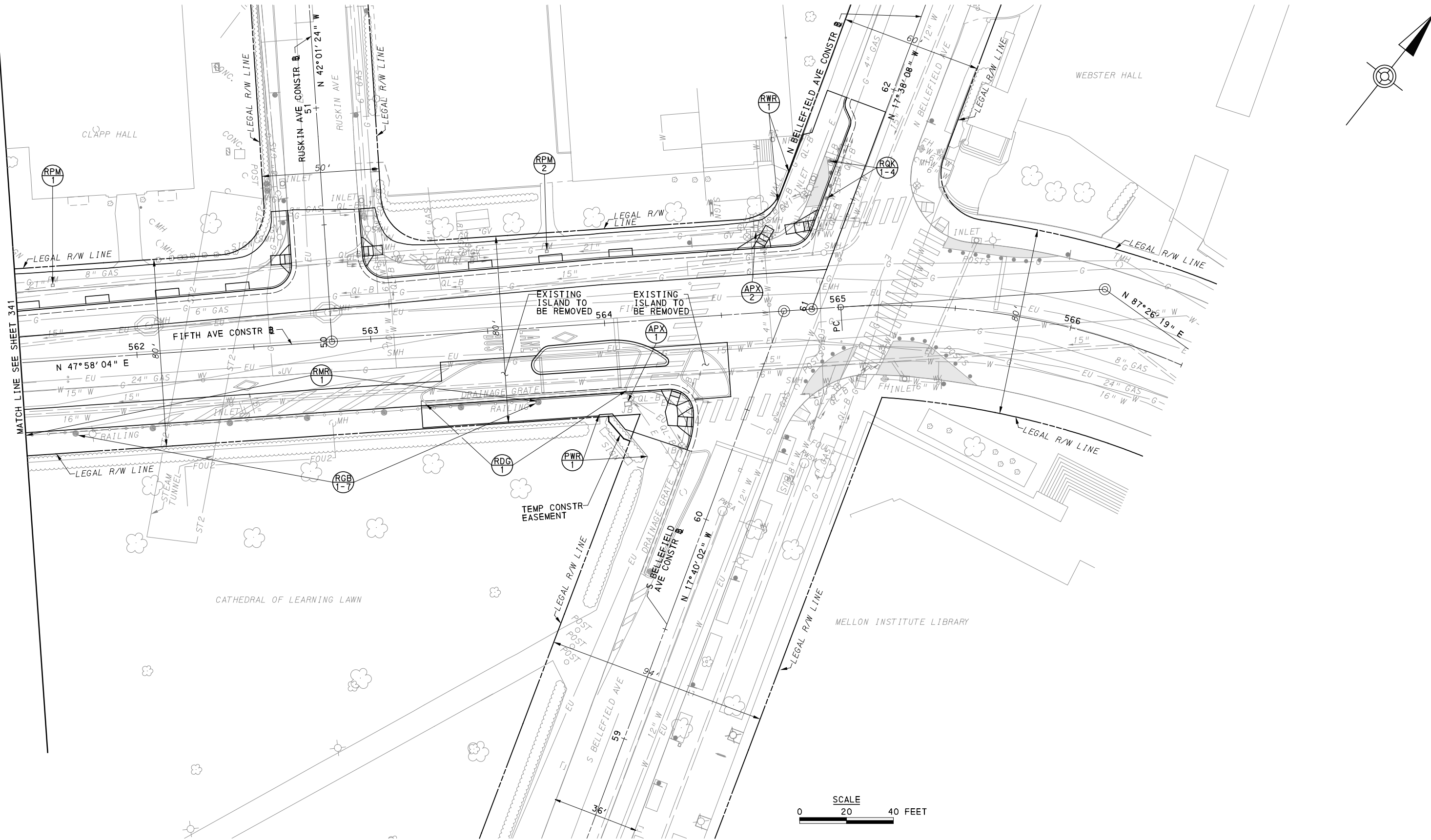
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 555+50 TO STA 561+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. RA32 SHT. 341



[FOR ROADWAY PLAN SEE SHEET 381]

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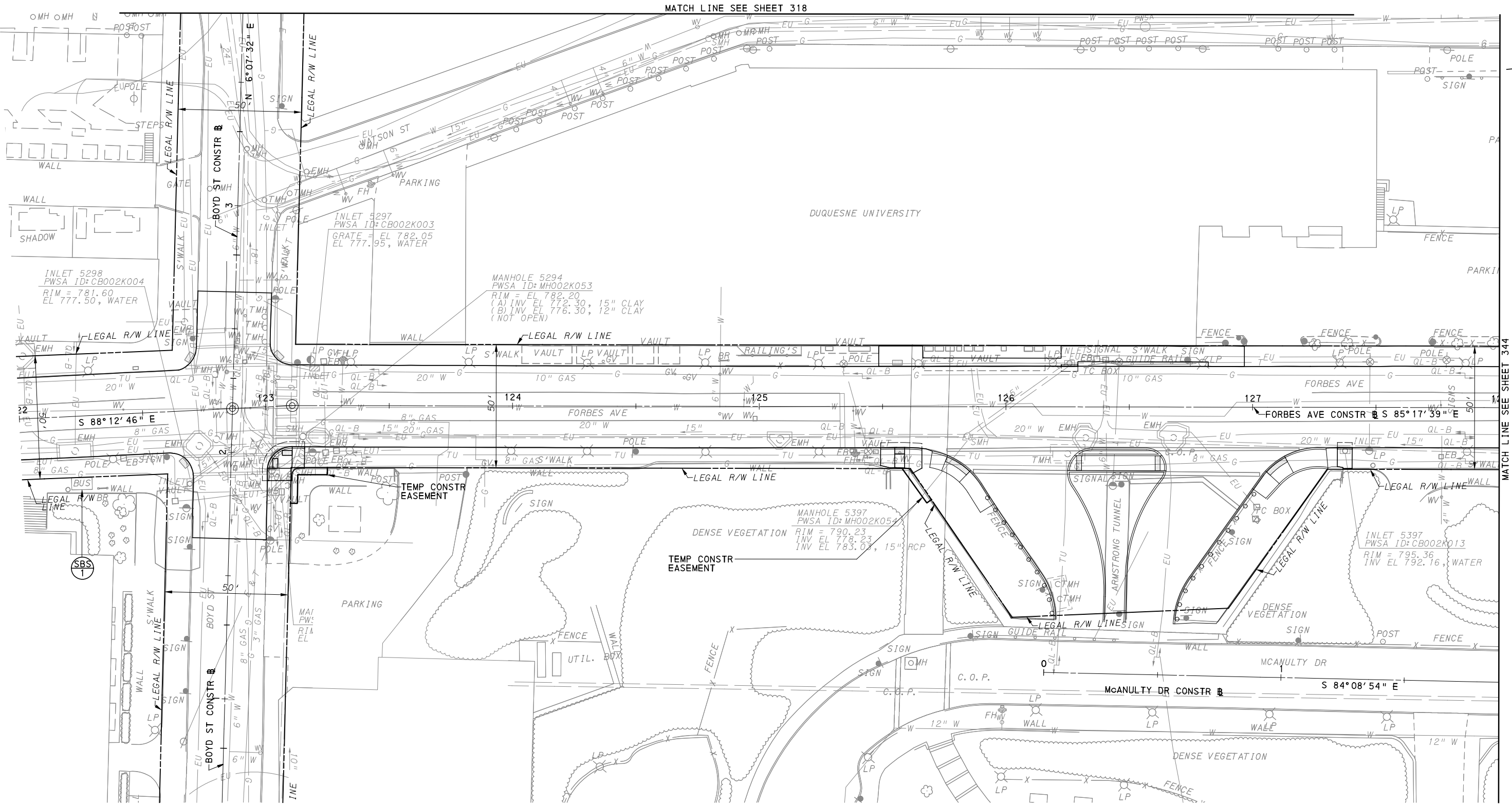
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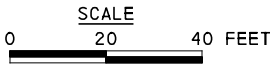
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FIFTH AVE - STA 561+50 TO STA 566+50		
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. RA33	SHT. 342



MATCH LINE SEE SHEET 318

MATCH LINE SEE SHEET 344



[FOR ROADWAY PLAN SEE SHEET 383]

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 Foster Plaza 8
 Suite 400
 730 Holiday Drive
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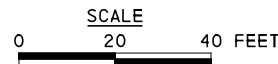
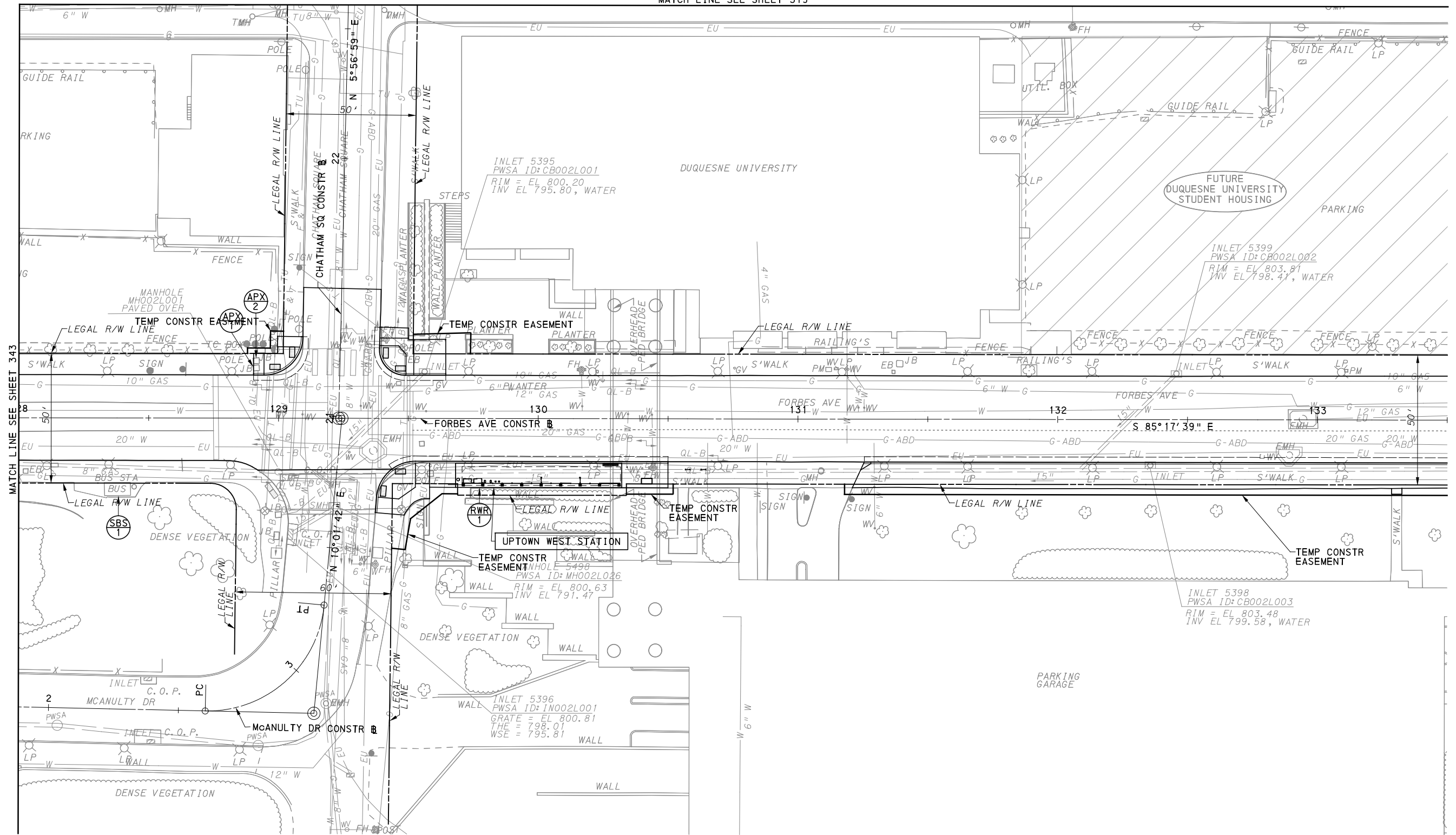
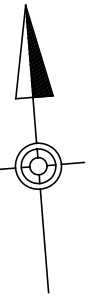
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 REMOVAL & ADJUSTMENTS PLANS
 FORBES AVE - STA 122+00 TO STA 128+00

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MATCH LINE SEE SHEET 319



FOR ROADWAY PLAN SEE SHEET 384

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Foster Plaza 8
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730 Holiday Drive
Pittsburgh, PA. 15220

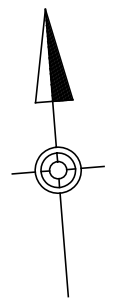
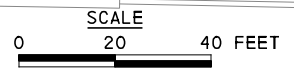
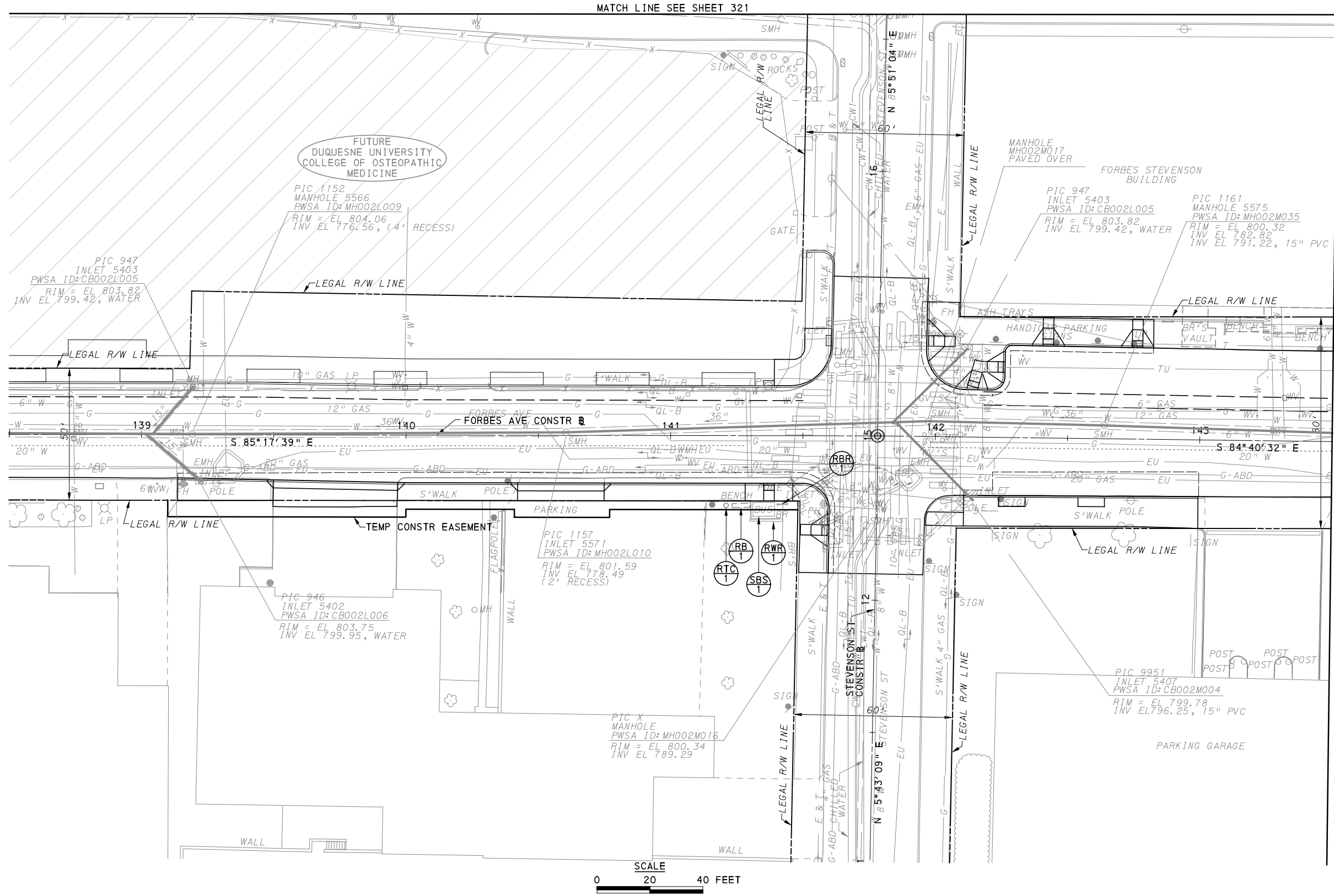
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FORBES AVE - STA 128+00 TO STA 133+50	
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[FOR ROADWAY PLAN SEE SHEET 386]

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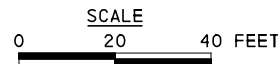
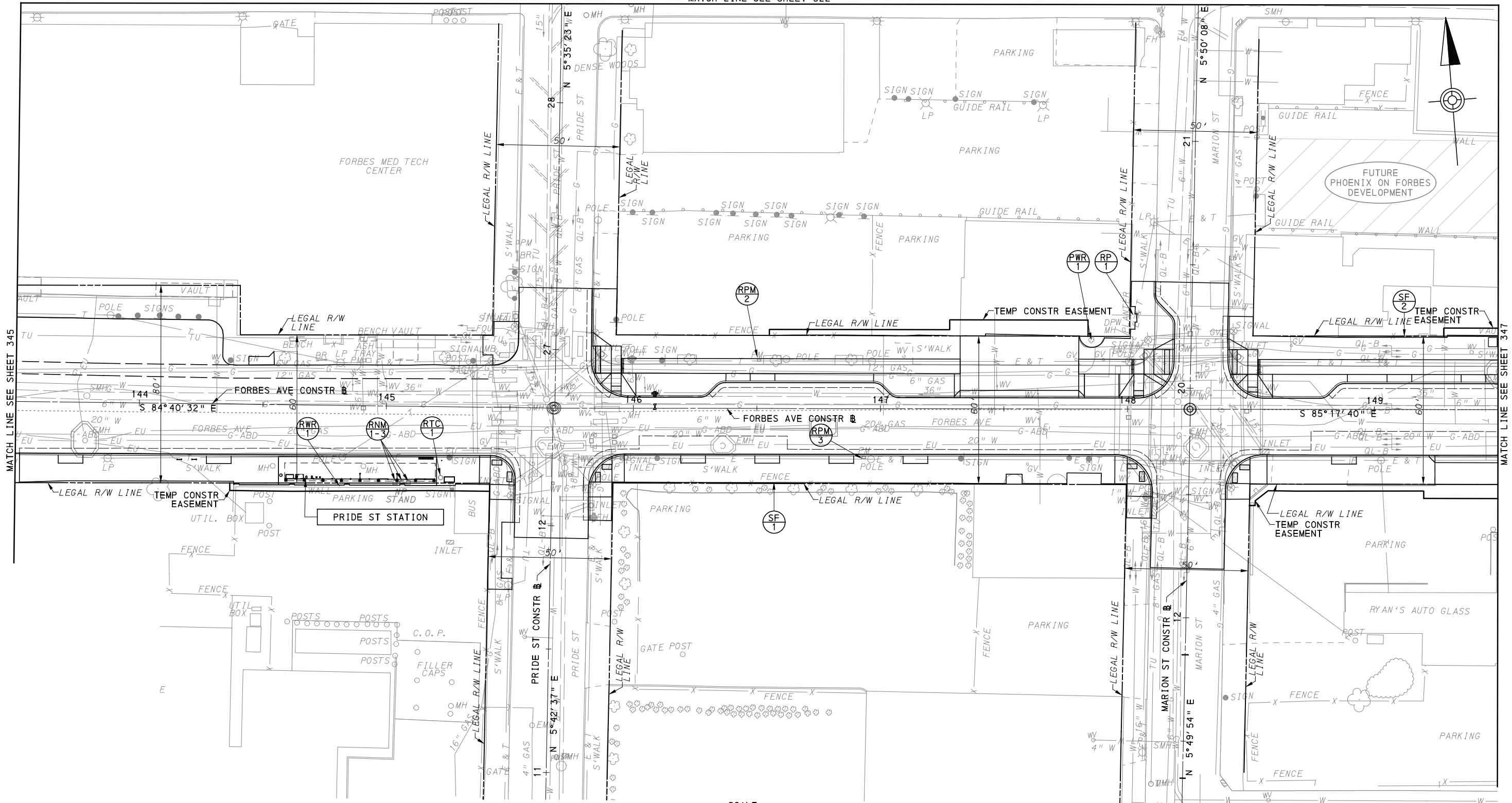
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FORBES AVE - STA 138+50 TO STA 143+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. RA36 SHT. 345

MATCH LINE SEE SHEET 322



FOR ROADWAY PLAN SEE SHEET 387



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Pittsburgh, PA 15219



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730 Holiday Drive
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PITTSBURGH PENNSYLVANIA

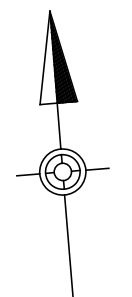
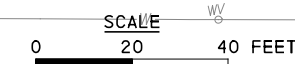
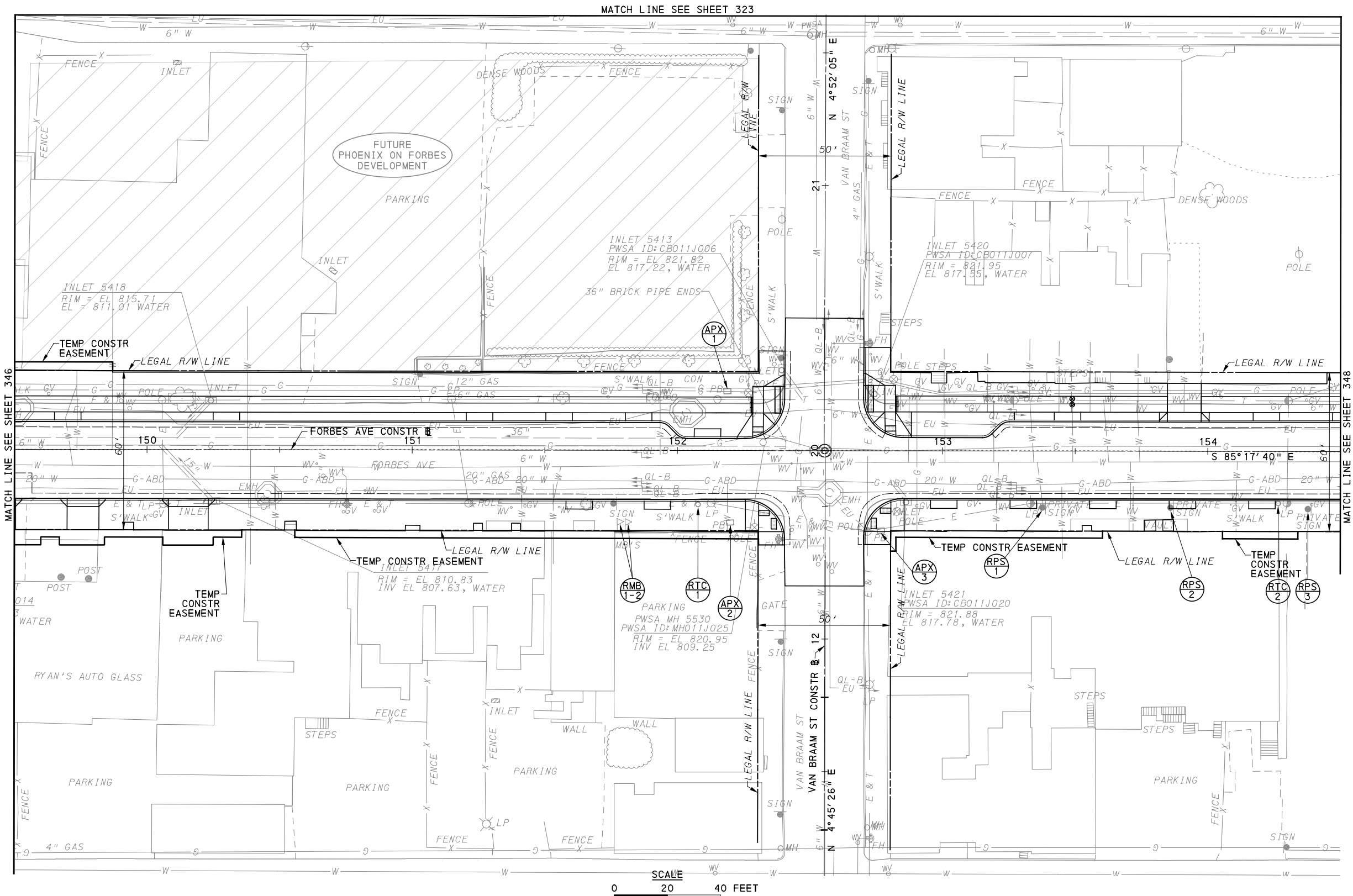
BUS RAPID TRANSIT UPTOWN TO OAKLAND
REMOVAL & ADJUSTMENTS PLANS
FORBES AVE - STA 143+50 TO STA 149+50



CONTRACT NO. BRT-001

DWG. NO. RA37

SHT. 346



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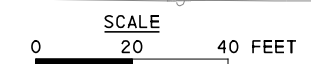
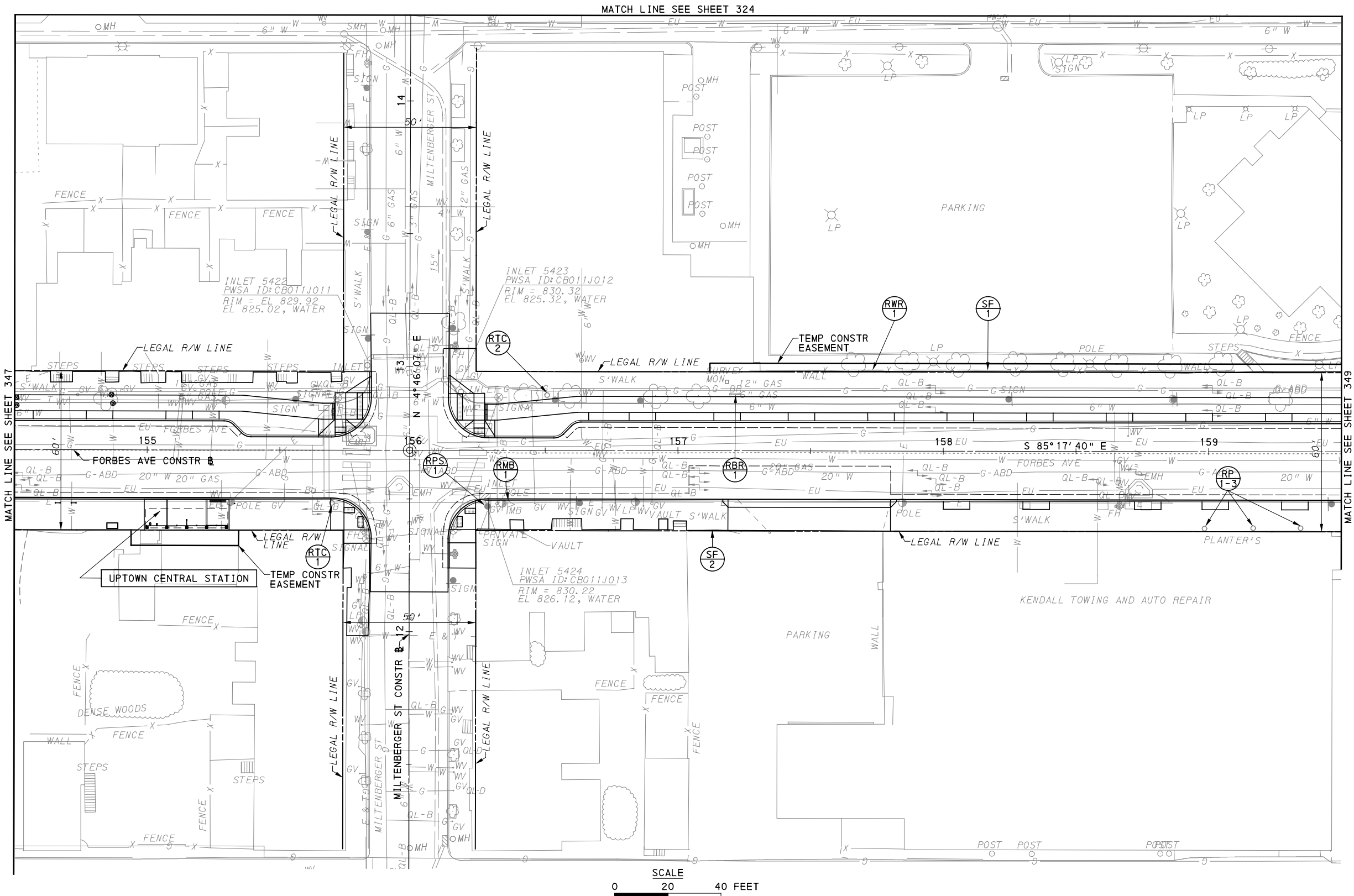
[FOR ROADWAY PLAN SEE SHEET 388]

PORT AUTHORITY OF ALLEGHENY COUNTY
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BUS RAPID TRANSIT UPTOWN TO OAKLAND
 REMOVAL & ADJUSTMENTS PLANS
 FORBES AVE - STA 149+50 TO STA 154+50

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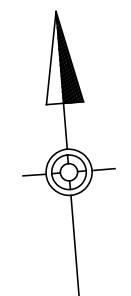
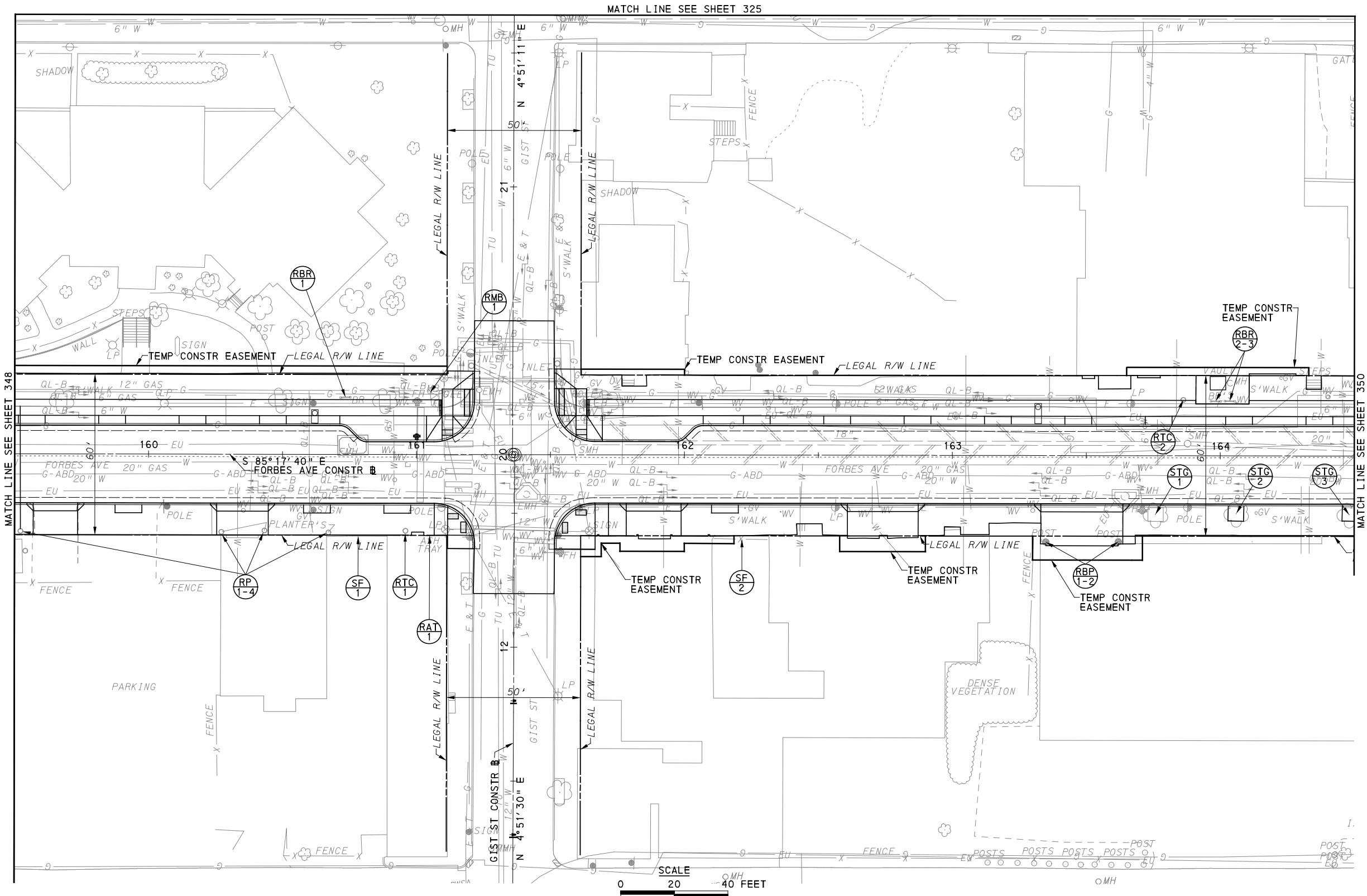
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FOR ROADWAY PLAN SEE SHEET 389		
PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FORBES AVE - STA 154+50 TO STA 159+50		
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	DWG. NO. RA39	SHT. 348



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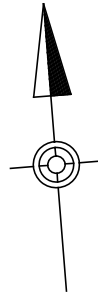
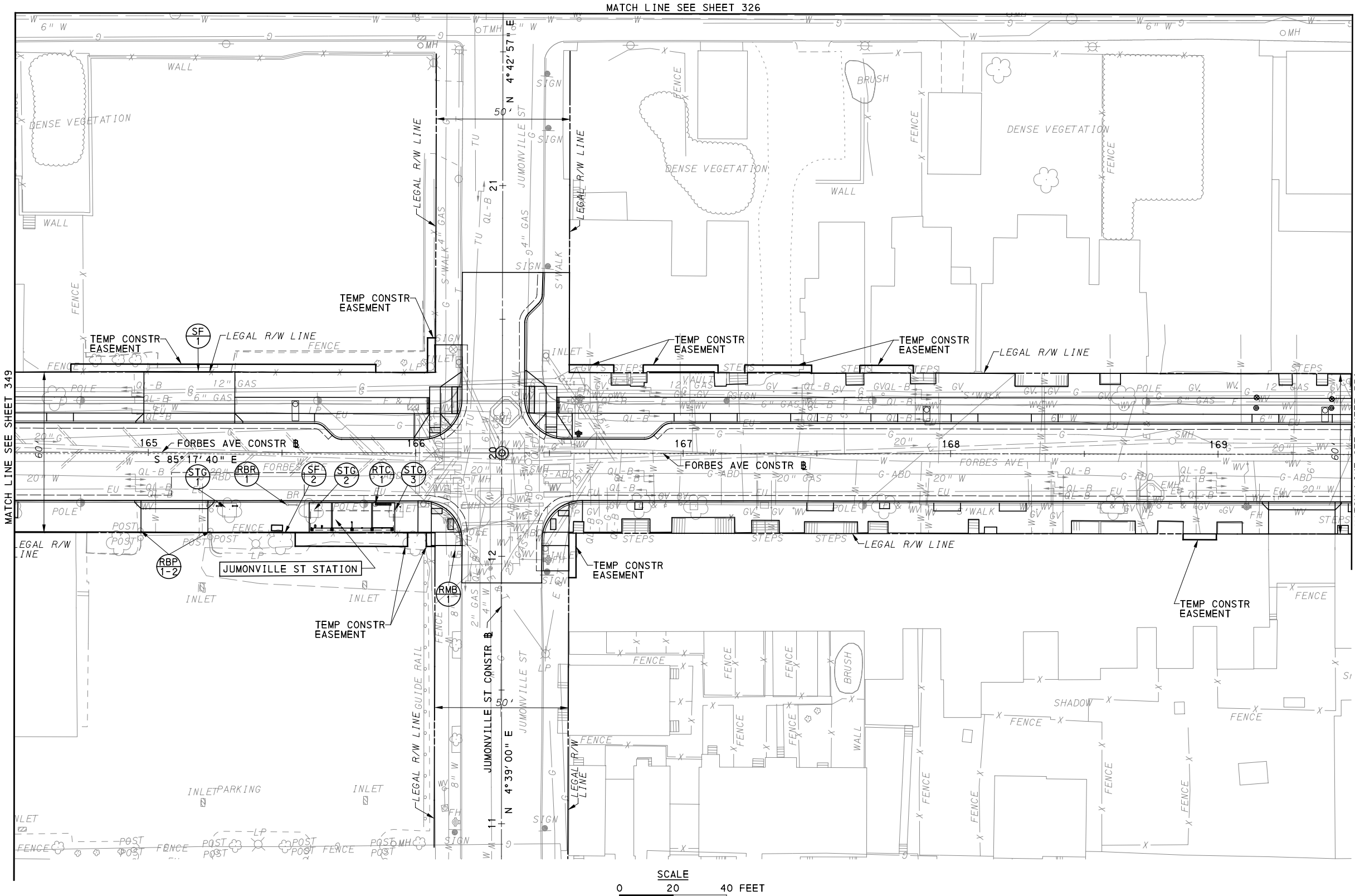
[FOR ROADWAY PLAN SEE SHEET 390]

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

**BUS RAPID TRANSIT UPTOWN TO OAKLAND
 REMOVAL & ADJUSTMENTS PLANS
 FORBES AVE - STA 159+50 TO STA 164+50**

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FOR ROADWAY PLAN SEE SHEET 391



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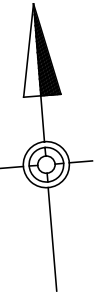
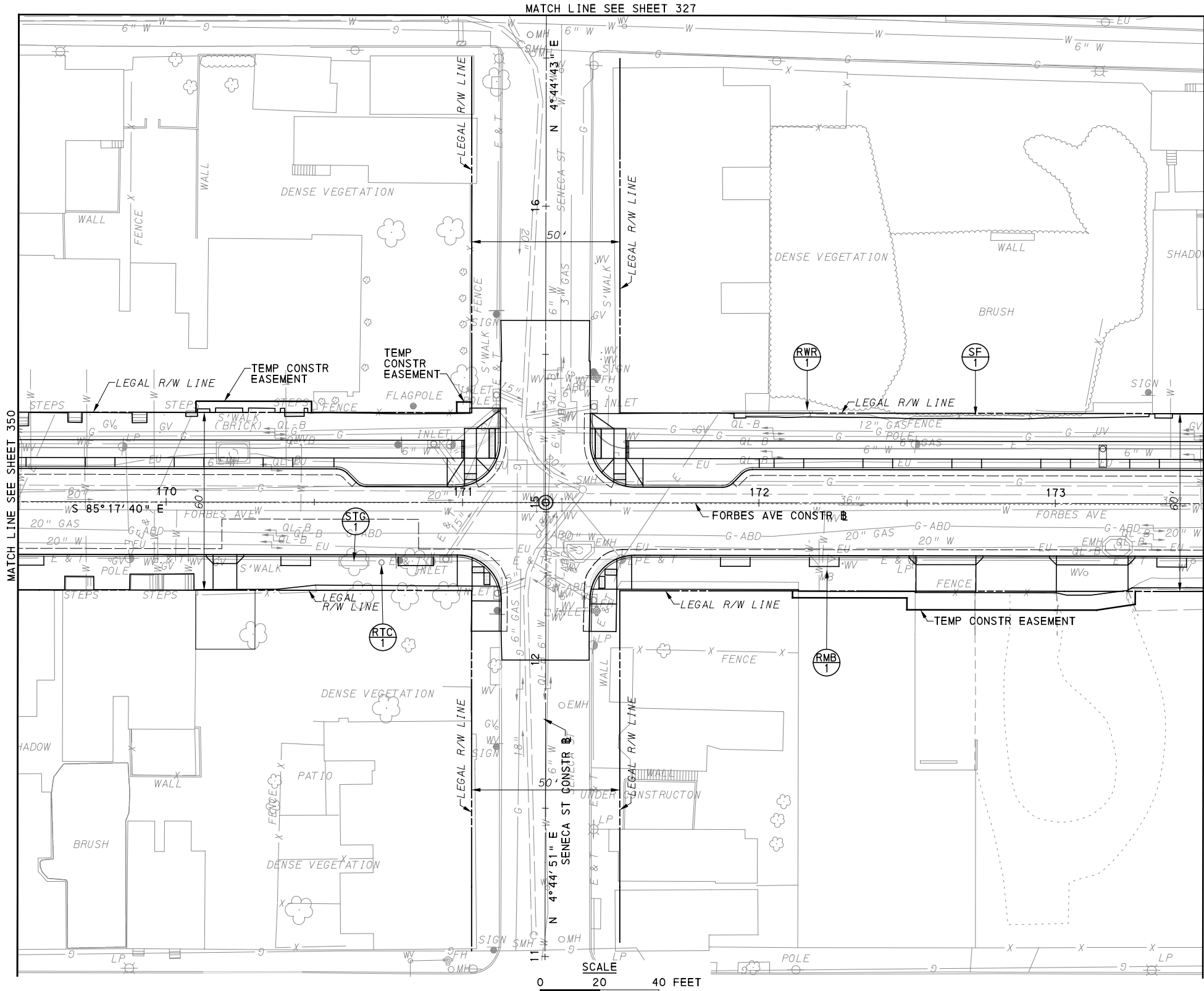
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BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FORBES AVE - STA 164+50 TO STA 169+50	
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[FOR ROADWAY PLAN SEE SHEET 392]



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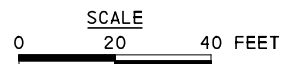
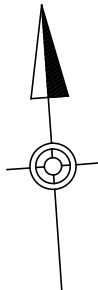
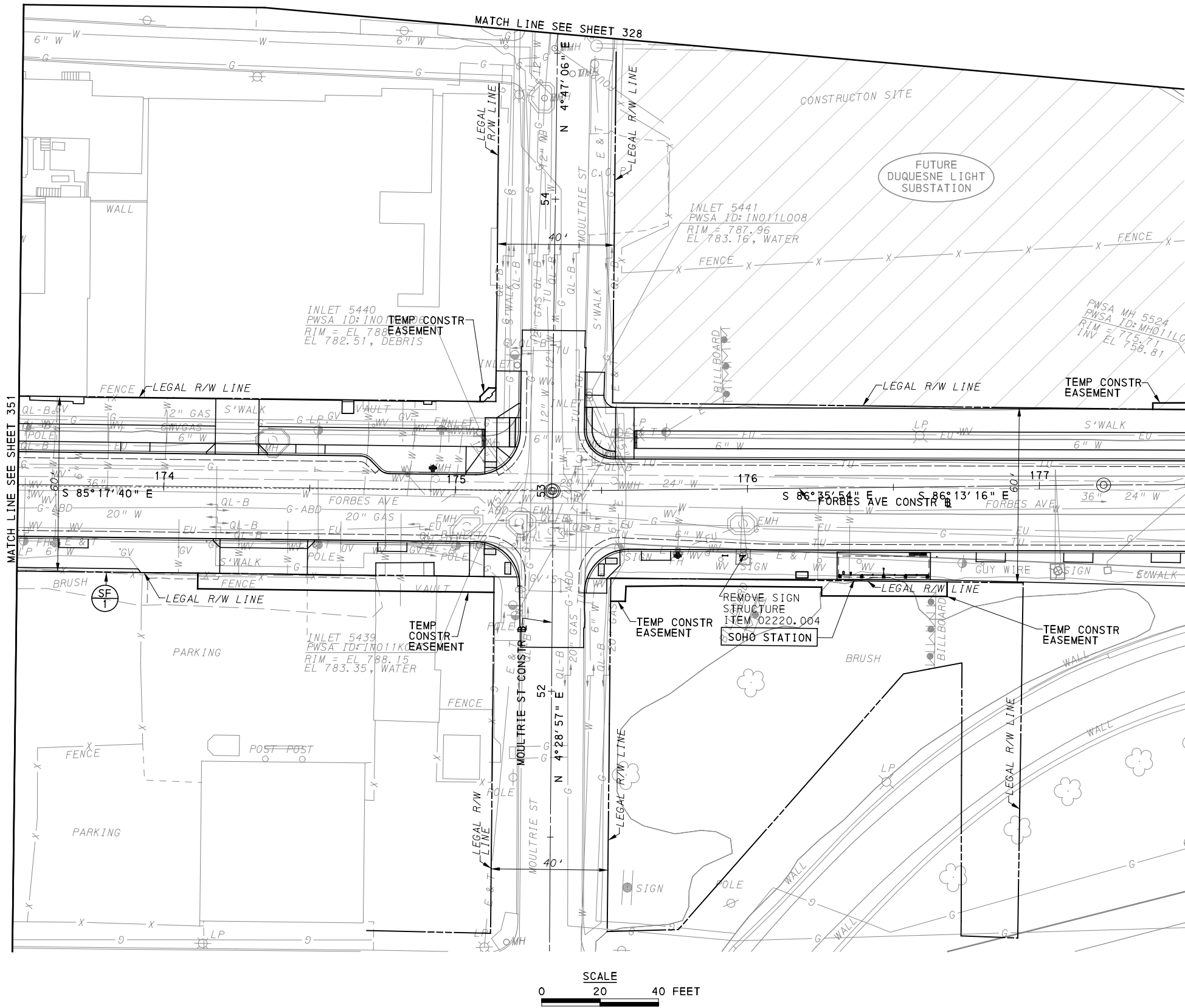
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[FOR ROADWAY PLAN SEE SHEET 393]

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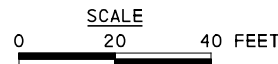
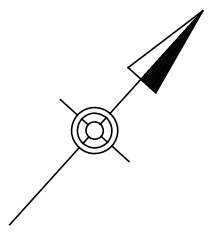
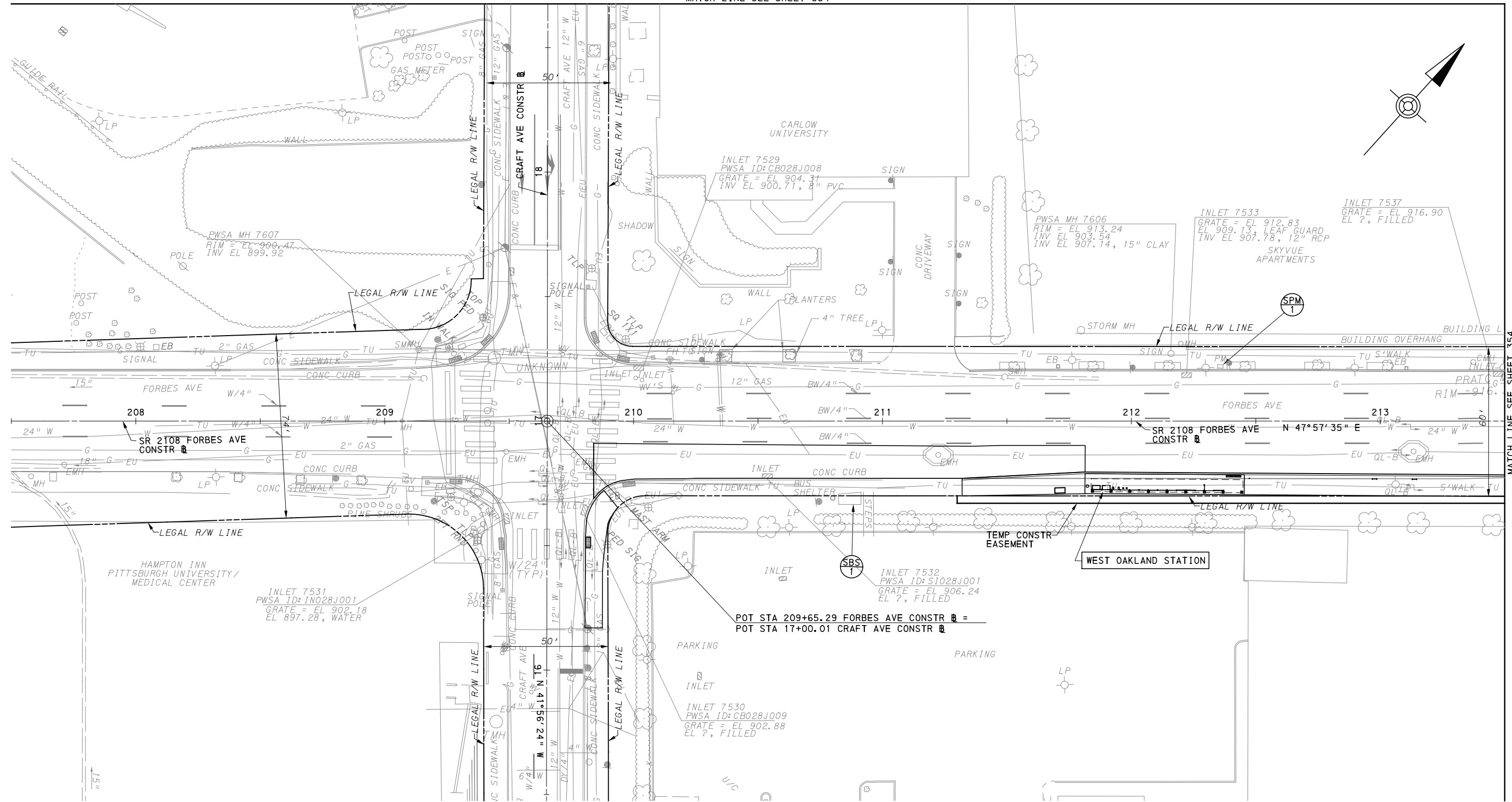
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND REMOVAL & ADJUSTMENTS PLANS FORBES AVE - STA 173+50 TO STA 177+50	
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	DWG. NO. RA43 SHT. 352

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MATCH LINE SEE SHEET 334



FOR ROADWAY PLAN SEE SHEET 395

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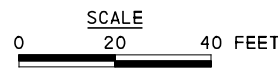
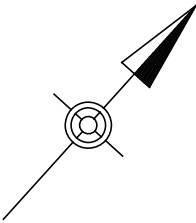
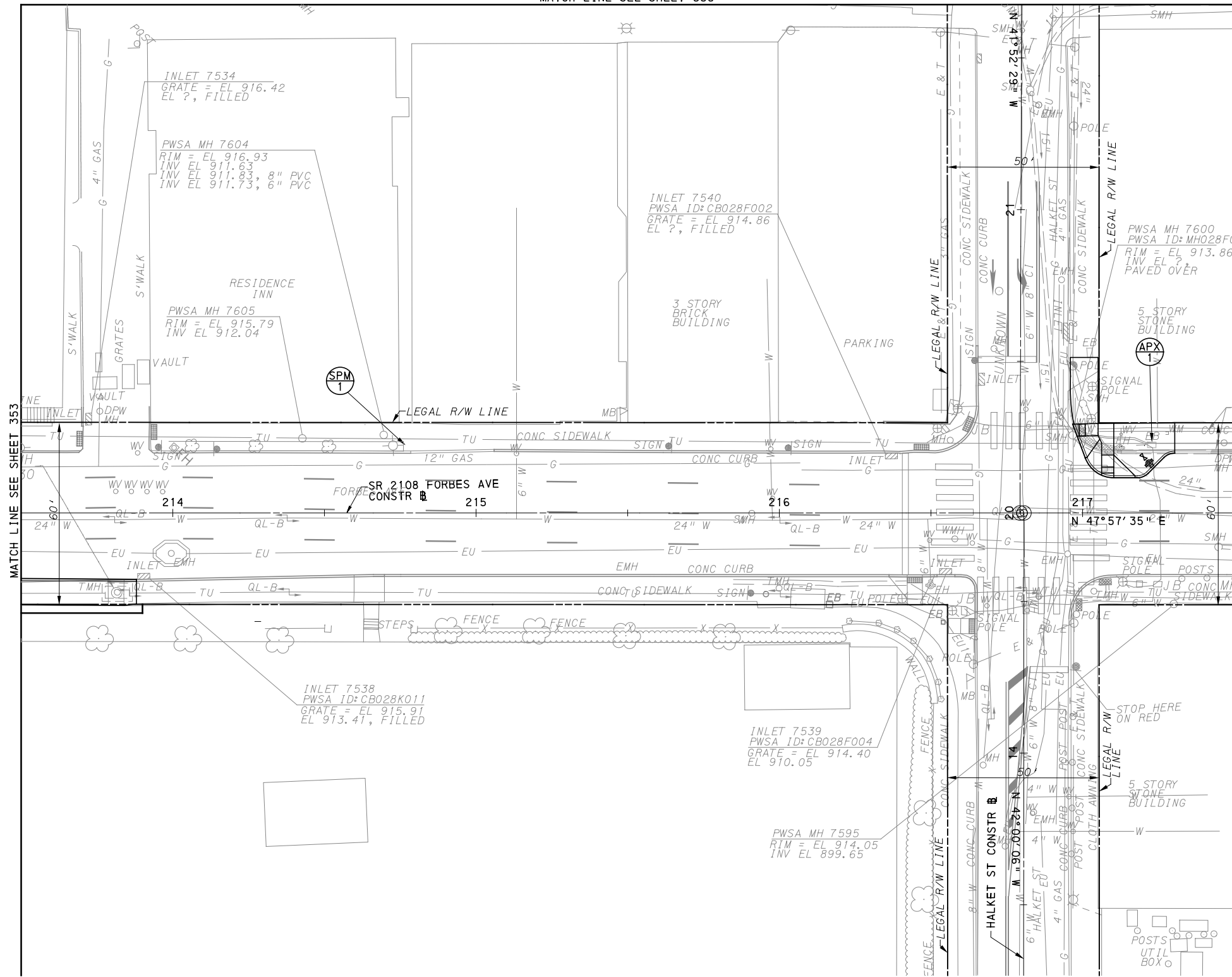
PORT AUTHORITY OF ALLEGHENY COUNTY
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**BUS RAPID TRANSIT UPTOWN TO OAKLAND
 REMOVAL & ADJUSTMENTS PLANS
 FORBES AVE - STA 207+50 TO STA 213+50**

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MATCH LINE SEE SHEET 335



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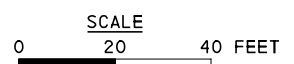
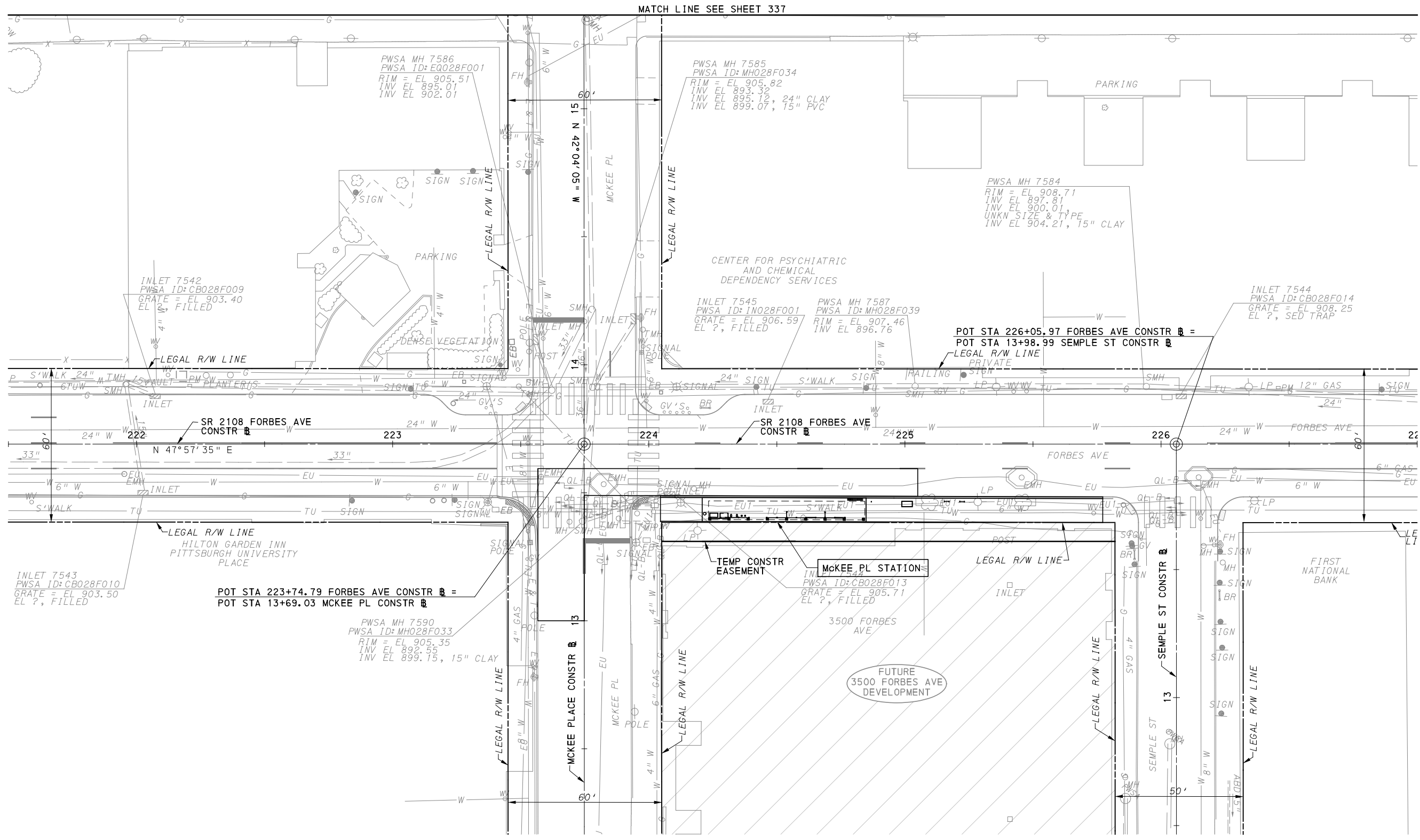
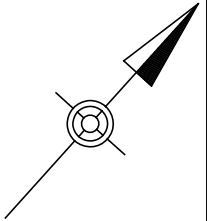
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FOR ROADWAY PLAN SEE SHEET 397

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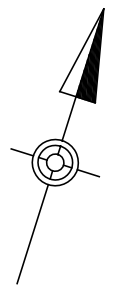
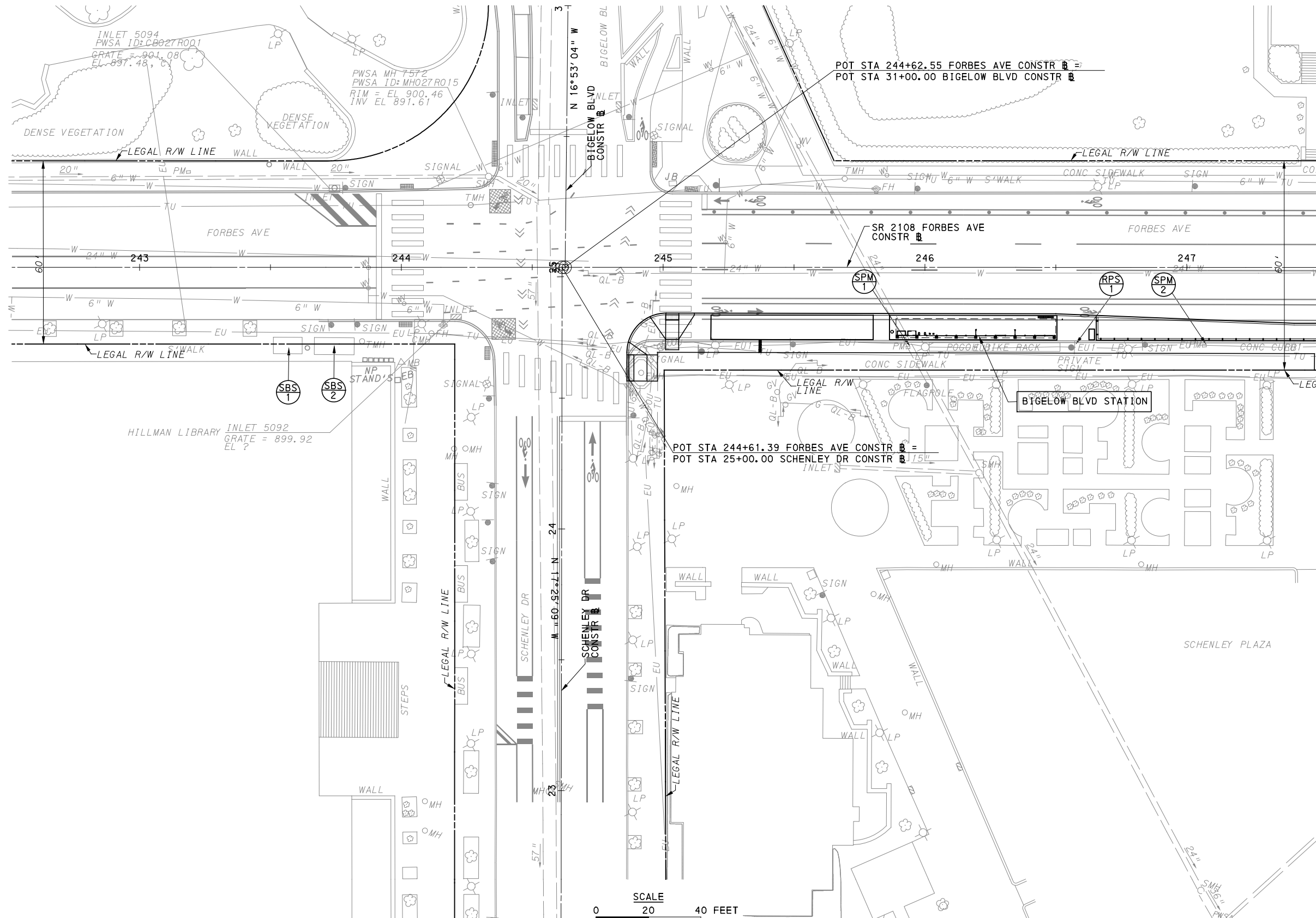
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REMOVAL & ADJUSTMENTS PLANS
FORBES AVE - STA 221+50 TO STA 227+00**

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[FOR ROADWAY PLAN SEE SHEET 401]

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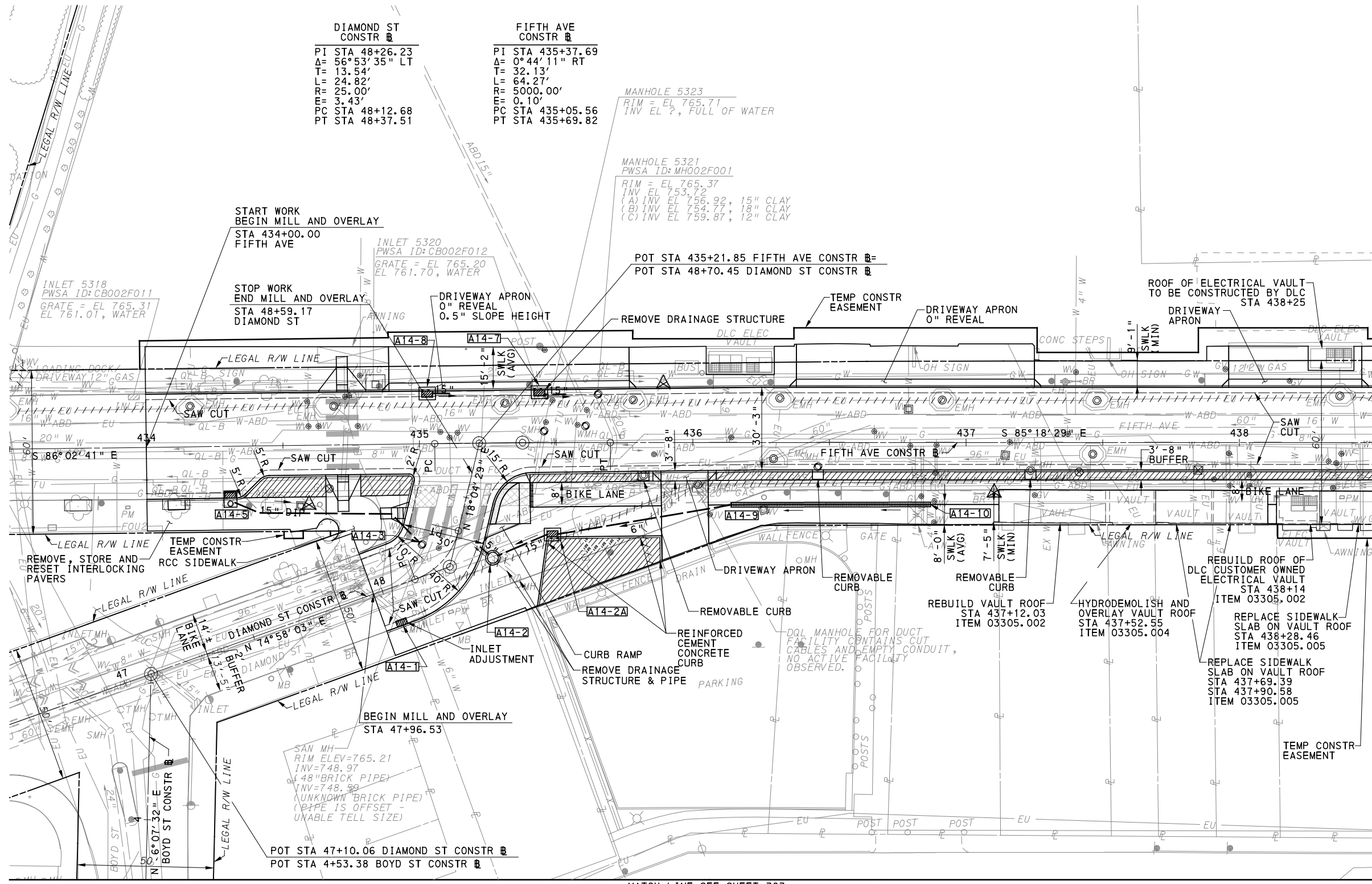
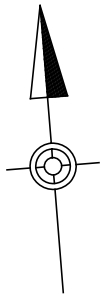
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REMOVAL & ADJUSTMENTS PLANS
FORBES AVE - STA 242+50 TO STA 247+50**

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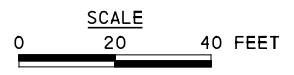
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DWG. NO. RA47	SHT. 356



LEGEND

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- [Symbol] TRENCH DRAIN, PWSA
- [Symbol] DEDICATED BUS LANE
- [Symbol] LANDSCAPING AREAS
- [Symbol] GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
- [Symbol] DETECTABLE WARNING SURFACE
- [Symbol] CURB RAMP
- [Symbol] DIRECTIONAL INDICATOR
- [Symbol] TO BE RELOCATED BY THE UTILITY COMPANY
- [Symbol] RELOCATE EXISTING MANHOLE
- [Symbol] RELOCATE EXISTING PWSA MANHOLE
- [Symbol] GRADE ADJUST EXISTING MANHOLE
- [Symbol] GRADE ADJUST EXISTING PWSA MANHOLE
- [Symbol] GRADE ADJUST EXISTING VALVE/ UTILITY BOX
- [Symbol] RELOCATE EXISTING VALVE/UTILITY BOX
- [Symbol] UTILITY TO BE ABANDONED

MATCH LINE SEE SHEET 383



FOR INTERSECTION DETAIL SEE SHEET 177
 FOR CIVIL LAYOUT PLAN SEE SHEET 268
 FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 318
 FOR PROFILE SEE SHEETS 403 & 418
 FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 456
 FOR UTILITY PLAN SEE SHEET 500

FOR LANDSCAPING PLAN SEE SHEET 574
 FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 645
 FOR LIGHTING PLAN SEE SHEET 701

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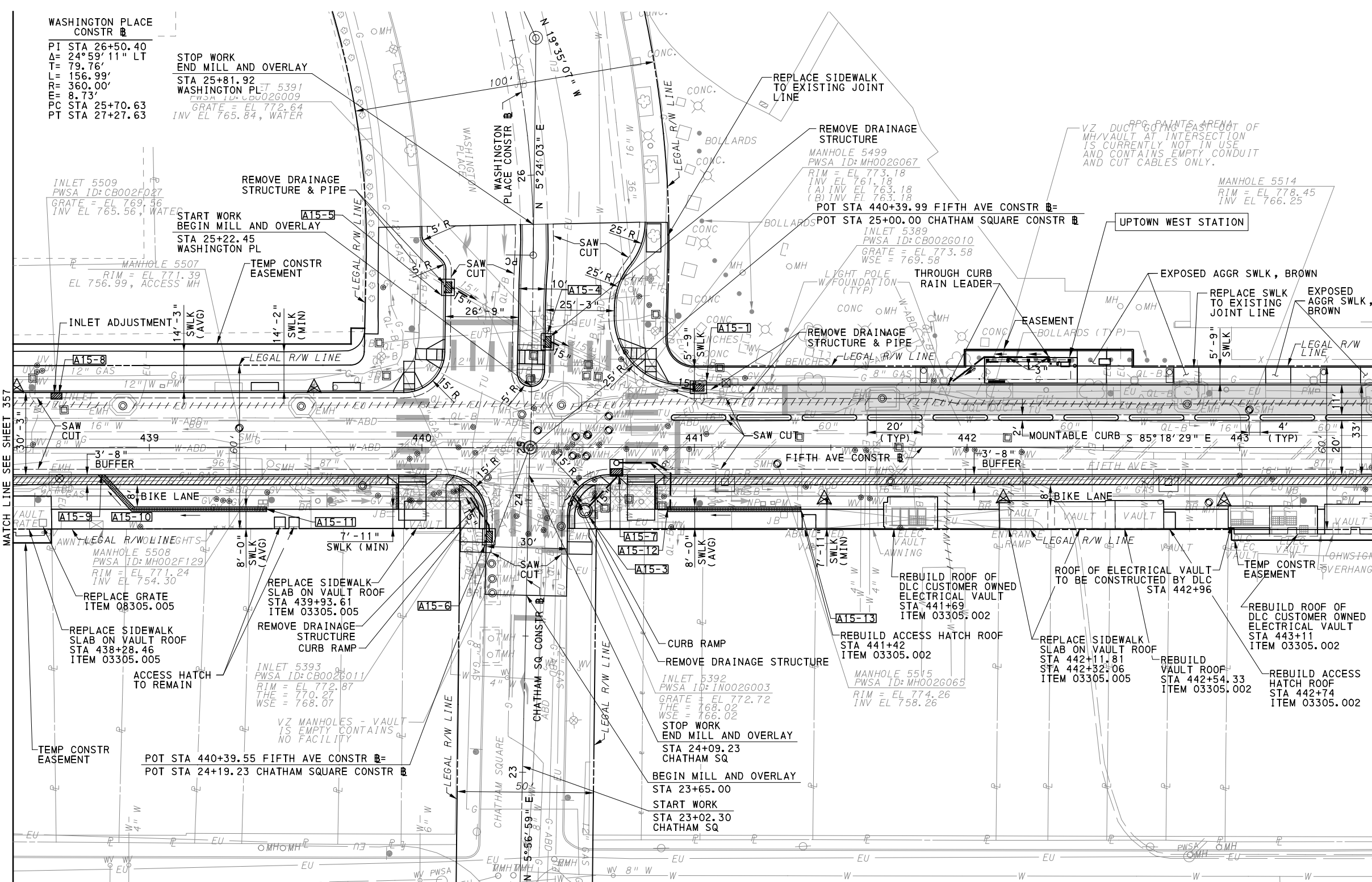
PORT AUTHORITY OF ALLEGHENY COUNTY
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**BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PLANS**
 FIFTH AVE - STA 433+50 TO STA 438+50

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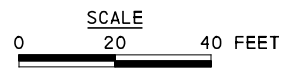
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LEGEND	
	DRAINAGE STRUCTURE IDENTIFICATION
	TRENCH DRAIN, PWSA
	DEDICATED BUS LANE
	LANDSCAPING AREAS
	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
	DETECTABLE WARNING SURFACE
	CURB RAMP
	DIRECTIONAL INDICATOR
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/ UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED

MATCH LINE SEE SHEET 384



FOR INTERSECTION DETAIL SEE SHEET 179	FOR LANDSCAPING PLAN SEE SHEET 575
FOR CIVIL LAYOUT PLAN SEE SHEET 269	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 646
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 319	FOR LIGHTING PLAN SEE SHEET 702
FOR PROFILE SEE SHEETS 404 & 418	FOR ARCHITECTURAL PLAN SEE SHEET 747
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 457	FOR CONTROL SYSTEMS PLAN SEE SHEET 880
FOR UTILITY PLAN SEE SHEET 501	FOR SIGNAL PLAN SEE SHEET 1071
PWSA RELOCATION PLAN SEE SHEET 554	



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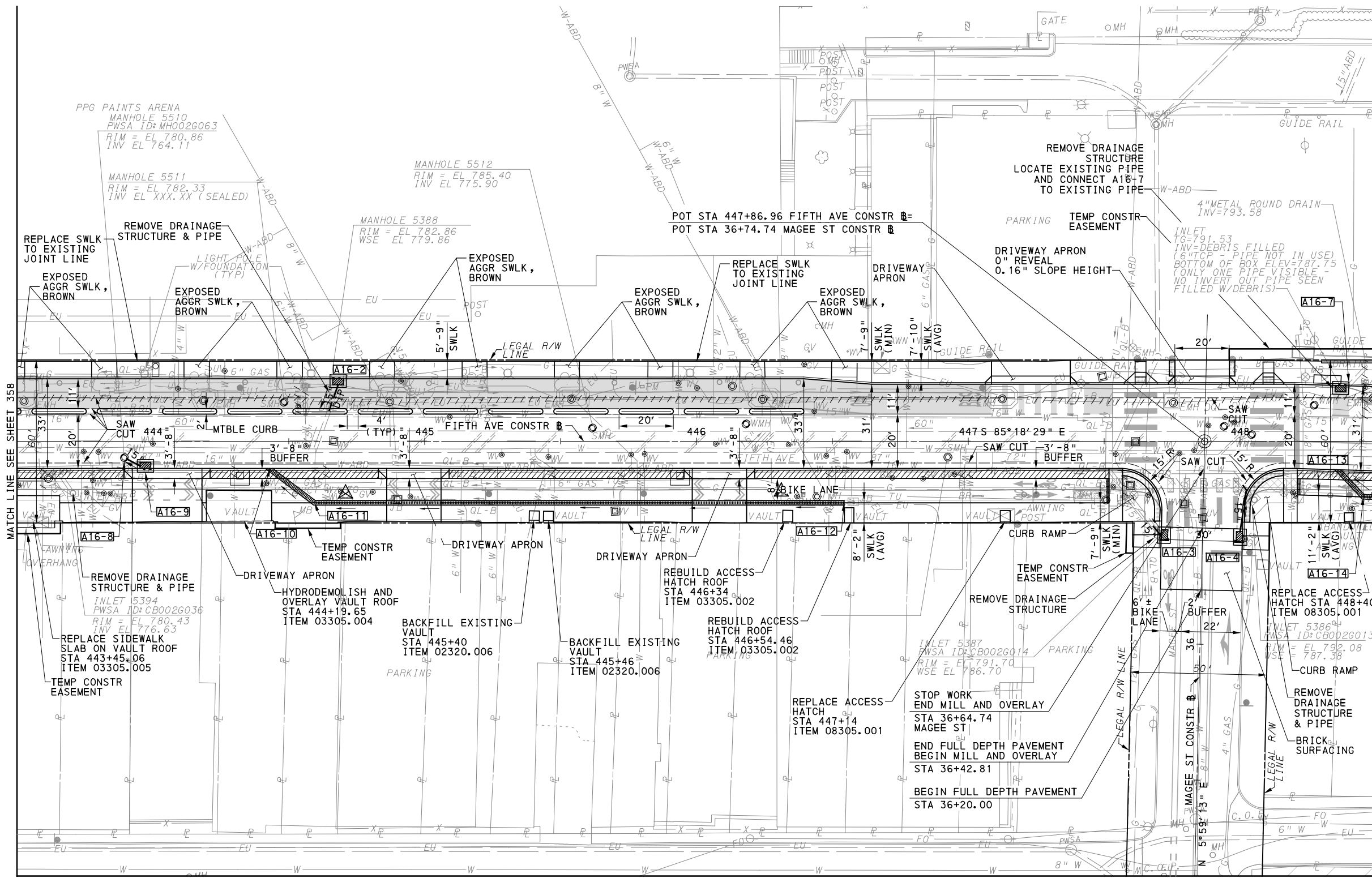
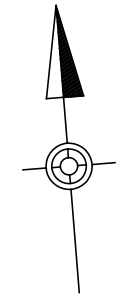
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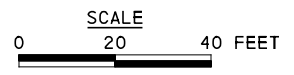
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 FIFTH AVE - STA 438+50 TO STA 443+50

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LEGEND	
	DRAINAGE STRUCTURE IDENTIFICATION
	TRENCH DRAIN, PWSA
	DEDICATED BUS LANE
	LANDSCAPING AREAS
	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
	DETECTABLE WARNING SURFACE
	CURB RAMP
	DIRECTIONAL INDICATOR
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/ UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED



FOR INTERSECTION DETAIL SEE SHEET 181	FOR LANDSCAPING PLAN SEE SHEET 576
FOR CIVIL LAYOUT PLAN SEE SHEET 270	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 647
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 320	FOR LIGHTING PLAN SEE SHEET 703
FOR PROFILE SEE SHEETS 405 & 418	FOR CONTROL SYSTEMS PLAN SEE SHEET 881
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 458	FOR SIGNAL PLAN SEE SHEET 1075
FOR UTILITY PLAN SEE SHEET 502	
PWSA RELOCATION PLAN SEE SHEET 555 - 556	

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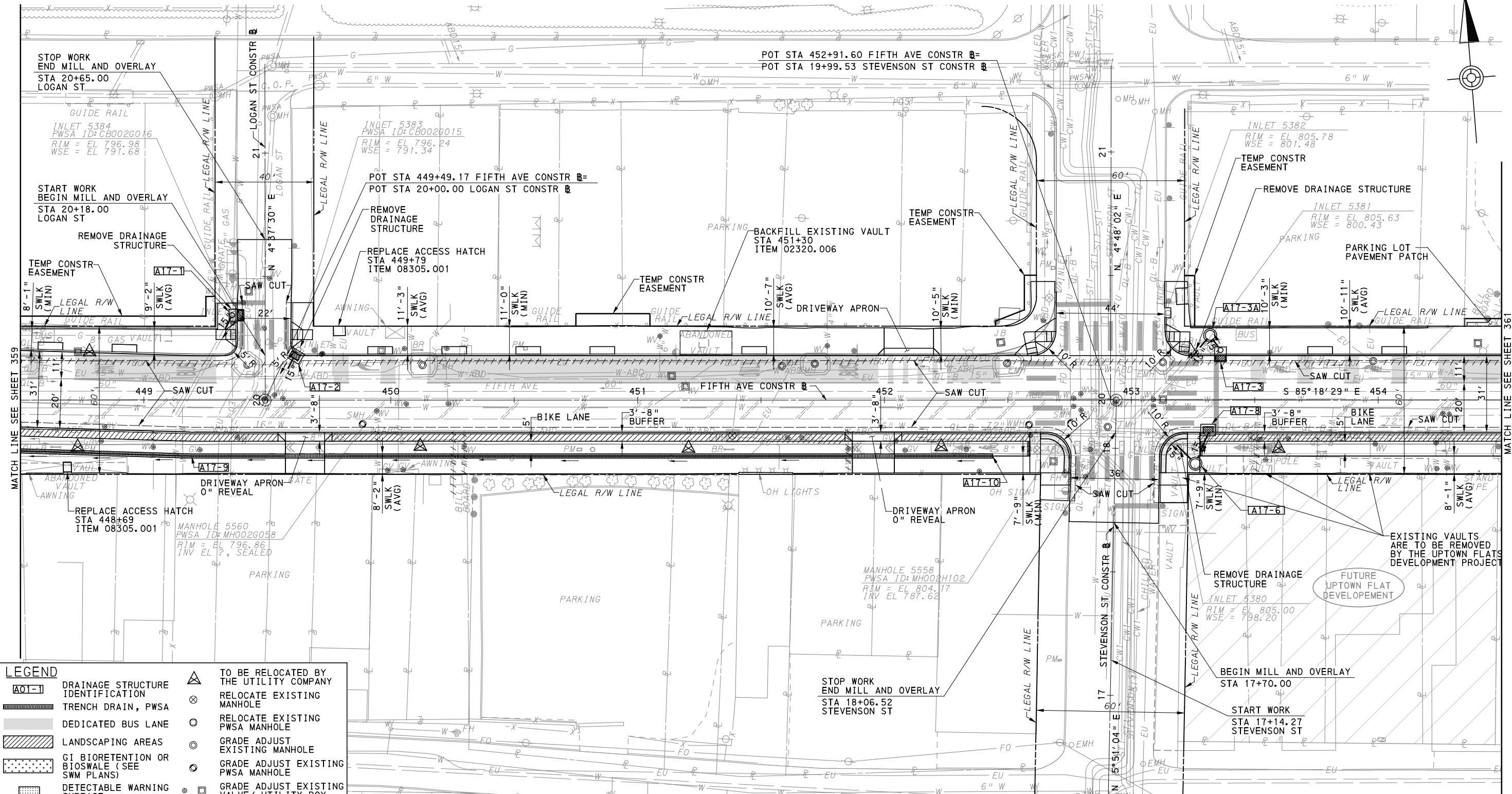
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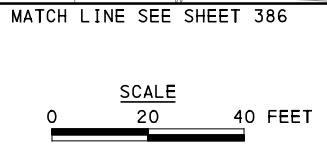
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 FIFTH AVE - STA 443+50 TO STA 448+50

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CONTRACT NO. BRT-001
 DWG. NO. PP3 SHT. 359



LEGEND	
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED



FOR INTERSECTION DETAIL SEE SHEETS 183 - 185	FOR LANDSCAPING PLAN SEE SHEET 577
FOR CIVIL LAYOUT PLAN SEE SHEET 271	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 648
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 321	FOR LIGHTING PLAN SEE SHEET 704
FOR PROFILE SEE SHEETS 406 & 419	FOR CONTROL SYSTEMS PLAN SEE SHEET 882
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 459	FOR SIGNAL PLAN SEE SHEET 1079
FOR UTILITY PLAN SEE SHEET 503	

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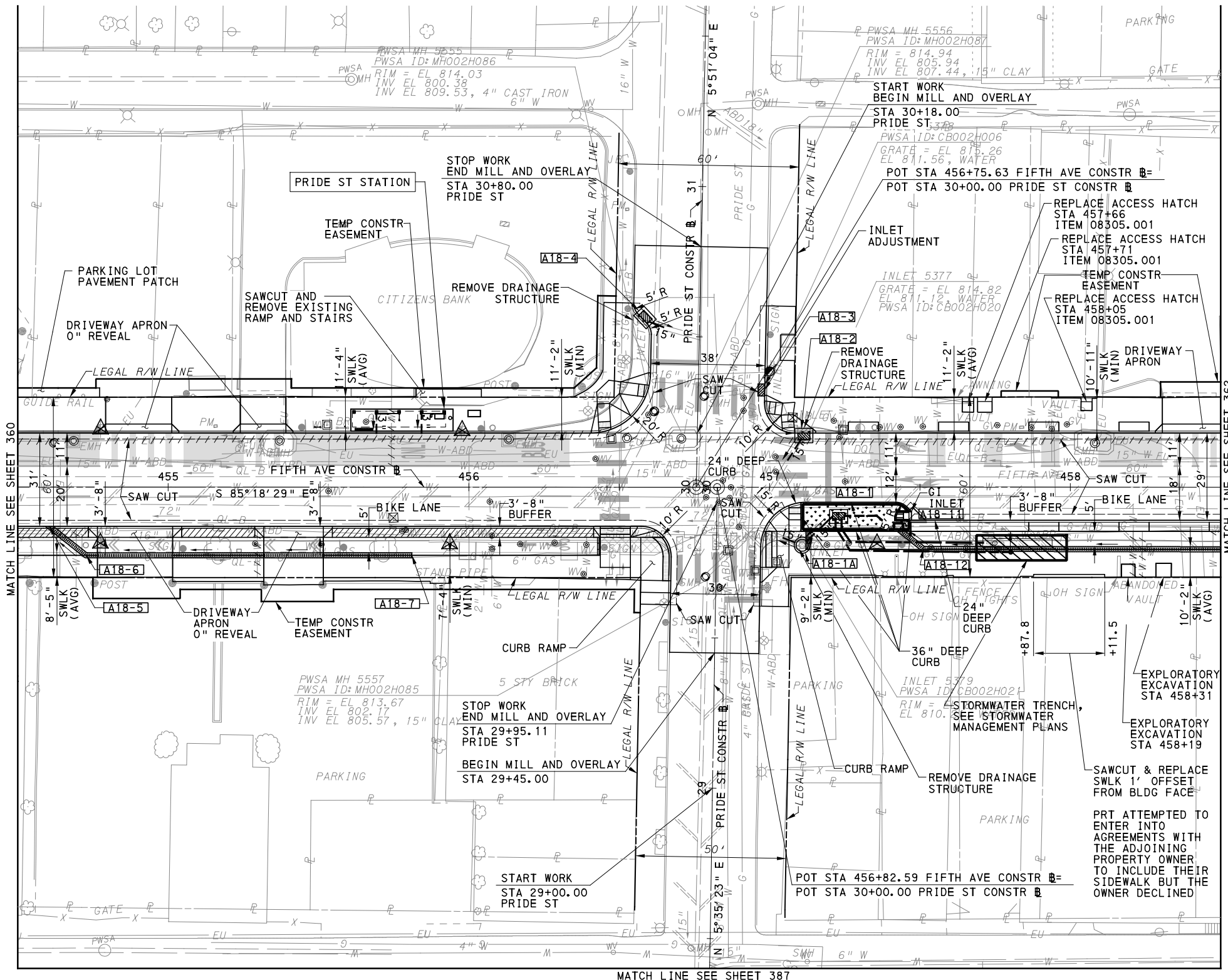
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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH, PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FIFTH AVE - STA 448+50 TO STA 454+50

Port Authority connecting people to life™

CONTRACT NO. BRT-001
 DWG. NO. PP4 SHT. 360

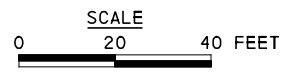
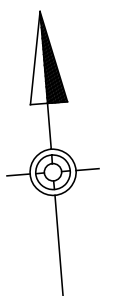


MATCH LINE SEE SHEET 362

MATCH LINE SEE SHEET 360

MATCH LINE SEE SHEET 387

LEGEND	
	DRAINAGE STRUCTURE IDENTIFICATION
	TRENCH DRAIN, PWSA
	DEDICATED BUS LANE
	LANDSCAPING AREAS
	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
	DETECTABLE WARNING SURFACE
	CURB RAMP
	DIRECTIONAL INDICATOR
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/ UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED



FOR INTERSECTION DETAIL SEE SHEET 187	FOR LANDSCAPING PLAN SEE SHEET 578
FOR CIVIL LAYOUT PLAN SEE SHEET 272	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 649
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 322	FOR LIGHTING PLAN SEE SHEET 705
FOR PROFILE SEE SHEETS 407, 419 & 420	FOR ARCHITECTURAL PLAN SEE SHEET 748
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 460	FOR CONTROL SYSTEMS PLAN SEE SHEET 883
FOR UTILITY PLAN SEE SHEET 504	FOR SIGNAL PLAN SEE SHEET 1083
	FOR STORMWATER MANAGEMENT (ALSO PLAN) SEE SHEET 14

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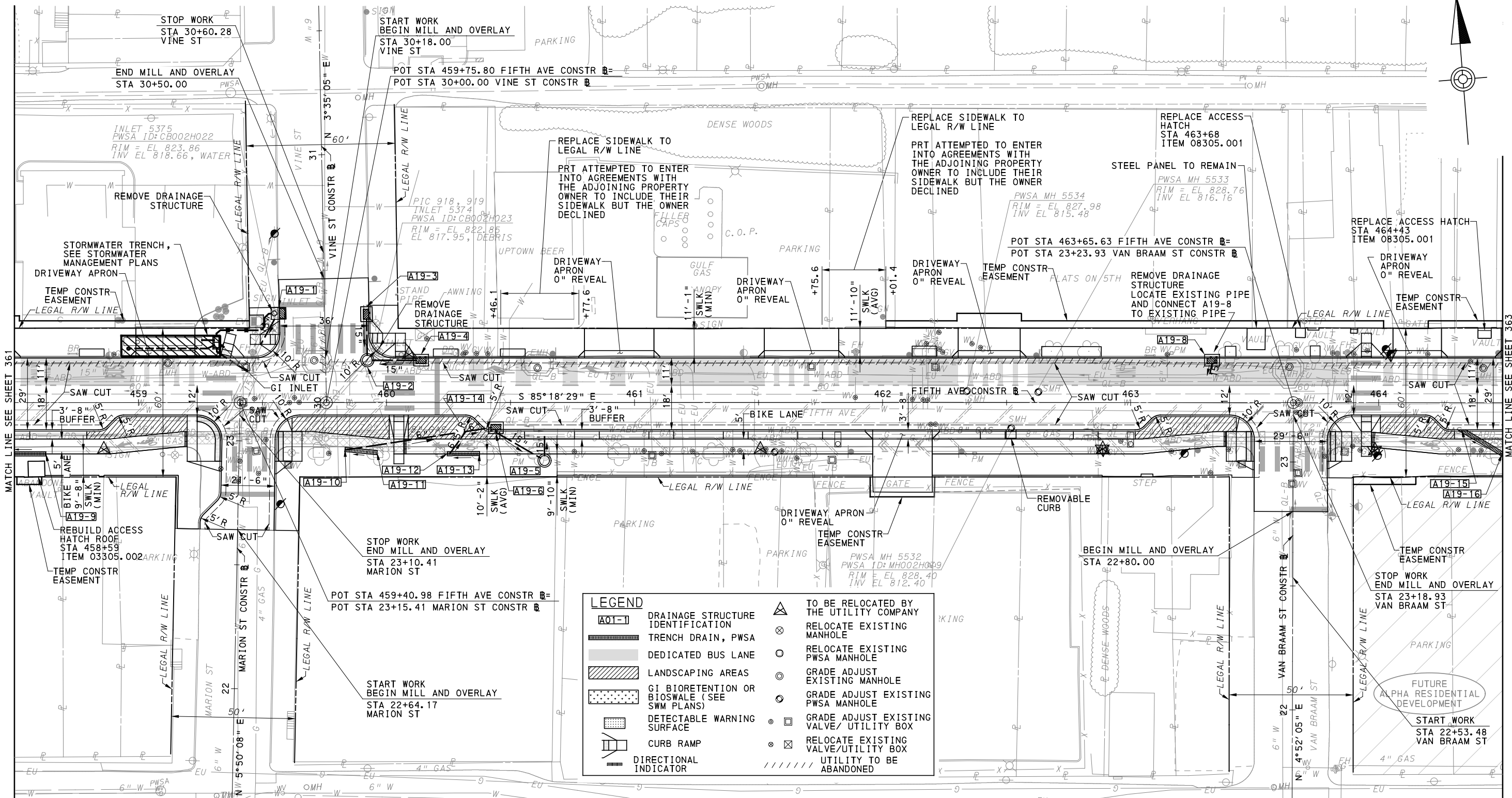
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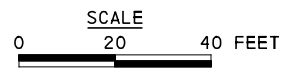
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH, PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS FIFTH AVE - STA 454+50 TO STA 458+50	
Port Authority connecting people to life	CONTRACT NO. BRT-001
DWG. NO. PP5	SHT. 361



MATCH LINE SEE SHEET 388



FOR INTERSECTION DETAIL SEE SHEETS 189 - 191	FOR LANDSCAPING PLAN SEE SHEET 579
FOR CIVIL LAYOUT PLAN SEE SHEET 273	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 650
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 323	FOR LIGHTING PLAN SEE SHEET 706
FOR PROFILE SEE SHEETS 408 & 420	FOR CONTROL SYSTEMS PLAN SEE SHEET 884
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 461	FOR SIGNAL PLAN SEE SHEET 1087
FOR UTILITY PLAN SEE SHEET 505	FOR STORMWATER MANAGEMENT (ALSO PLAN) SEE SHEET 15

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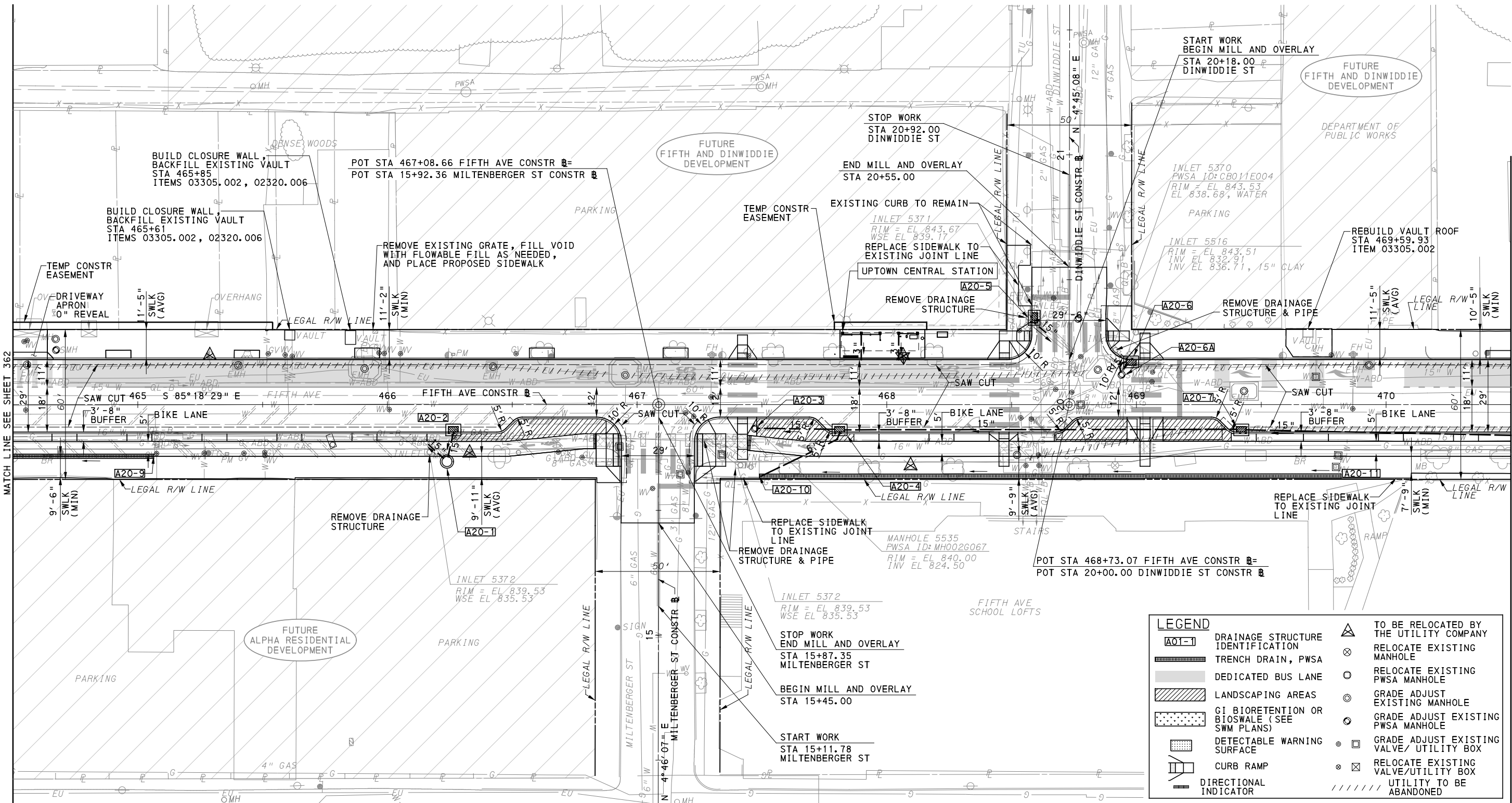
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PORT AUTHORITY OF ALLEGHENY COUNTY
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FIFTH AVE - STA 458+50 TO STA 464+50

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CONTRACT NO. BRT-001
 DWG. NO. PP6 SHT. 362

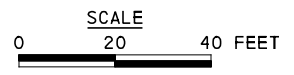


MATCH LINE SEE SHEET 364

MATCH LINE SEE SHEET 362

MATCH LINE SEE SHEET 389

LEGEND	
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/ UTILITY BOX
	RELOCATE EXISTING VALVE/ UTILITY BOX
	UTILITY TO BE ABANDONED



FOR INTERSECTION DETAIL SEE SHEETS 193 - 195	FOR LANDSCAPING PLAN SEE SHEET 580
FOR CIVIL LAYOUT PLAN SEE SHEET 274	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 651
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 324	FOR LIGHTING PLAN SEE SHEET 707
FOR PROFILE SEE SHEETS 409 & 421	FOR ARCHITECTURAL PLAN SEE SHEET 749
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 462	FOR CONTROL SYSTEMS PLAN SEE SHEET 885
FOR UTILITY PLAN SEE SHEET 506	FOR SIGNAL PLAN SEE SHEET 1091

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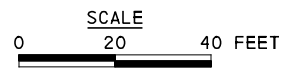
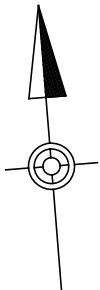
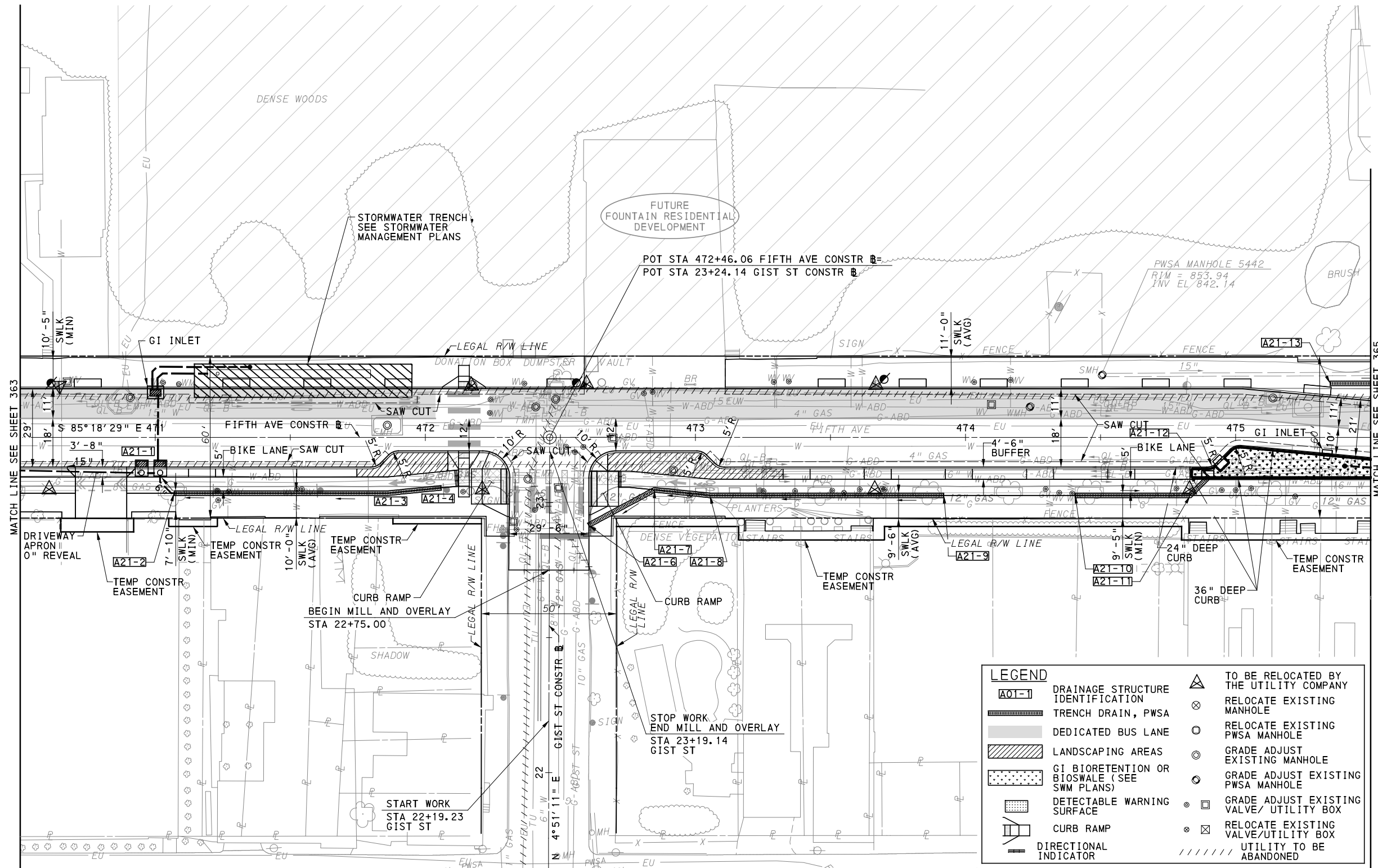
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FIFTH AVE - STA 464+50 TO STA 470+50

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CONTRACT NO. BRT-001
 DWG. NO. PP7 SHT. 363



FOR INTERSECTION DETAIL SEE SHEET 197	FOR LANDSCAPING PLAN SEE SHEET 581
FOR CIVIL LAYOUT PLAN SEE SHEET 275	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 652
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 325	FOR LIGHTING PLAN SEE SHEET 708
FOR PROFILE SEE SHEETS 410 & 421	FOR BUS STATION DRAINAGE PLAN SEE SHEET 847
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 463	FOR CONTROL SYSTEMS PLAN SEE SHEET 886
FOR UTILITY PLAN SEE SHEET 507	FOR STORMWATER MANAGEMENT (ALSO PLAN) SEE SHEET 16

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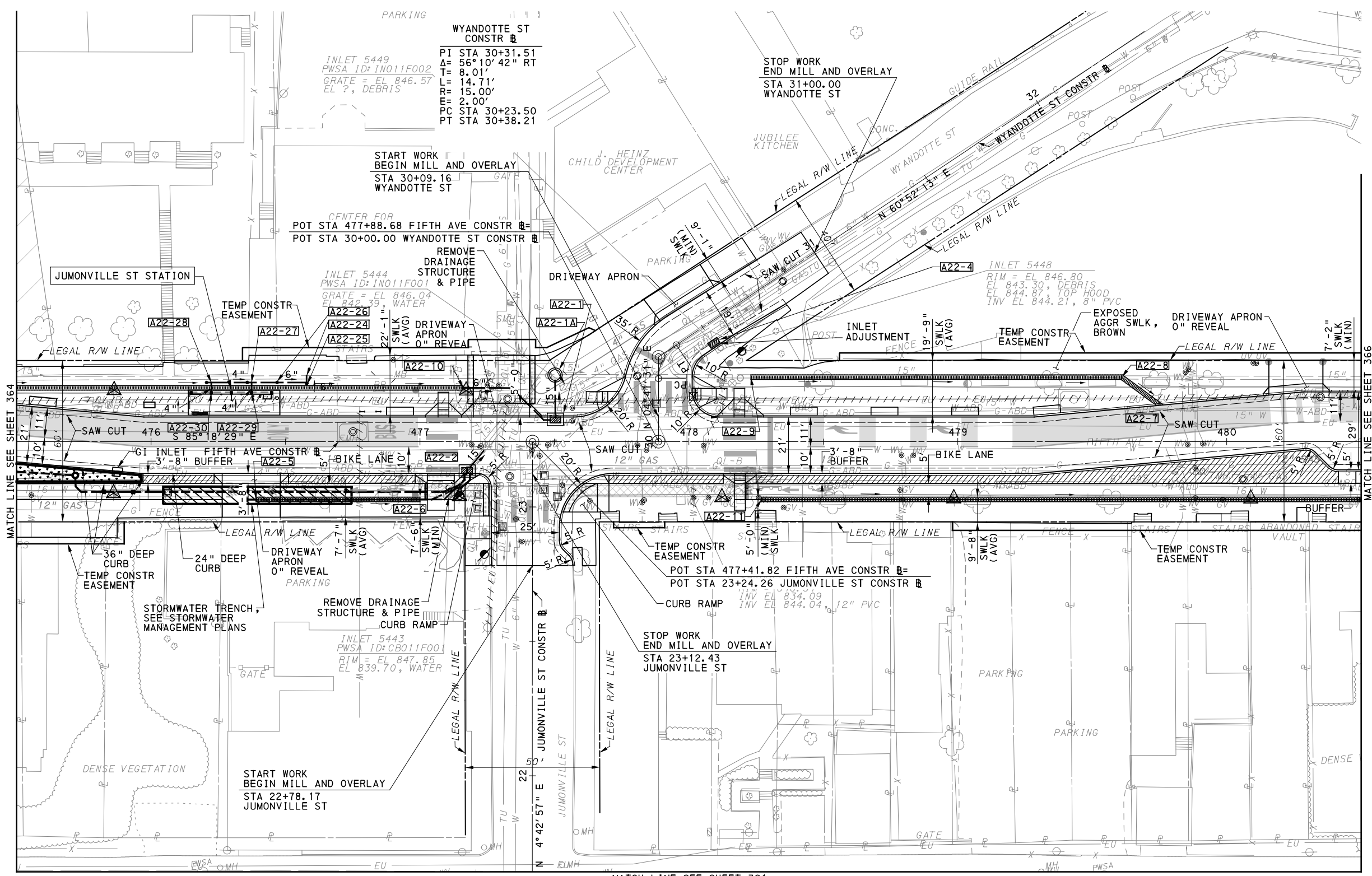
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FIFTH AVE - STA 470+50 TO STA 475+50

Port Authority connecting people to life™

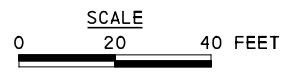
CONTRACT NO. BRT-001
 DWG. NO. PP8 SHT. 364



LEGEND

	A01-1 DRAINAGE STRUCTURE IDENTIFICATION
	TRENCH DRAIN, PWSA
	DEDICATED BUS LANE
	LANDSCAPING AREAS
	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
	DETECTABLE WARNING SURFACE
	CURB RAMP
	DIRECTIONAL INDICATOR
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED

MATCH LINE SEE SHEET 391



FOR INTERSECTION DETAIL SEE SHEET 199	FOR LANDSCAPING PLAN SEE SHEET 582
FOR CIVIL LAYOUT PLAN SEE SHEET 276	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 653
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 326	FOR LIGHTING PLAN SEE SHEET 709
FOR PROFILE SEE SHEETS 411, 421 & 422	FOR ARCHITECTURAL PLAN SEE SHEET 750
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 464	FOR BUS STATION DRAINAGE PLAN SEE SHEET 847
FOR UTILITY PLAN SEE SHEET 508	FOR CONTROL SYSTEMS PLAN SEE SHEET 887
PWSA RELOCATION PLAN SEE SHEET 557	FOR SIGNAL PLAN SEE SHEET 1095
	FOR STORMWATER MANAGEMENT (ALSO PLAN) SEE SHEET 17

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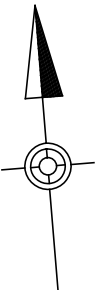
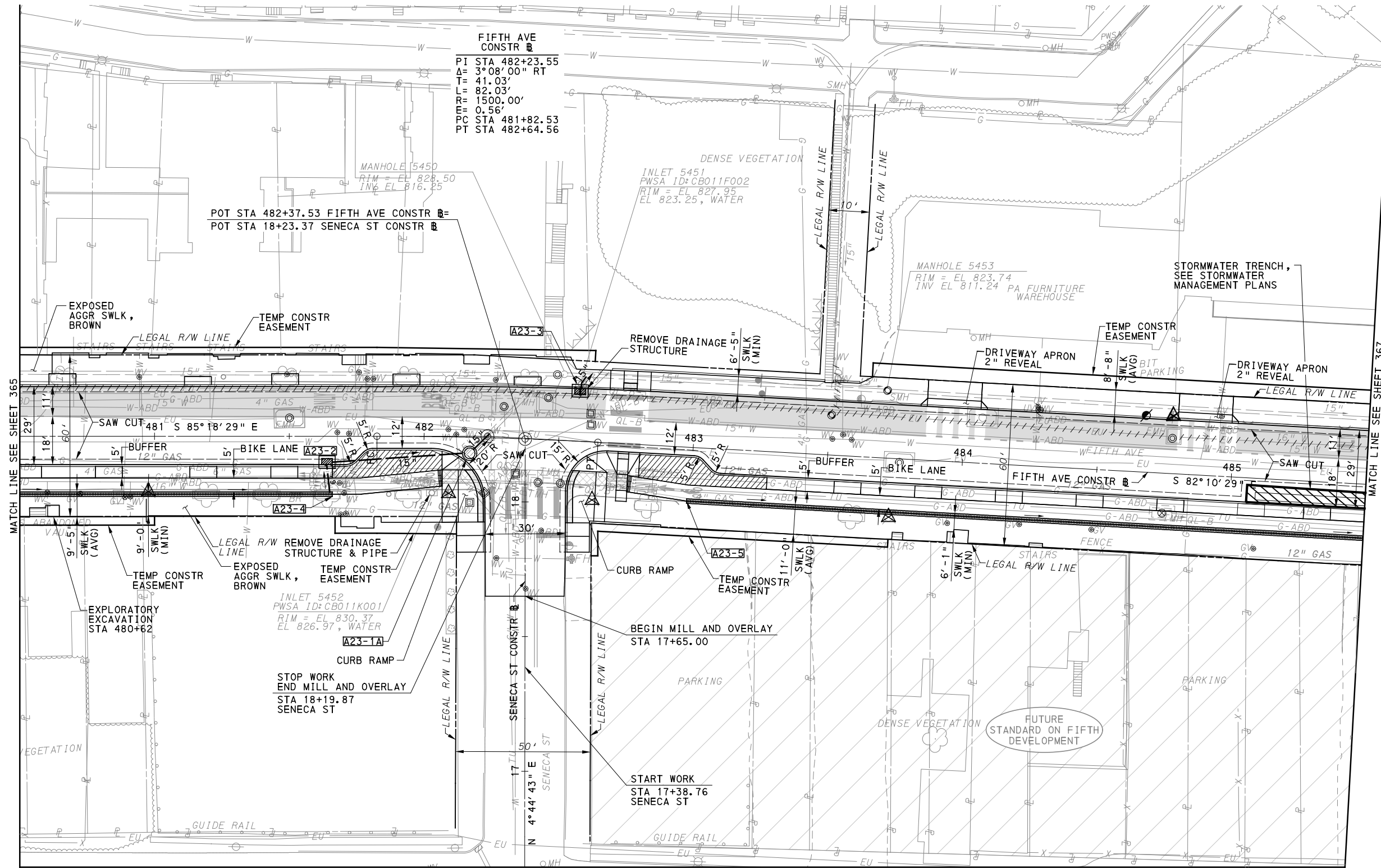
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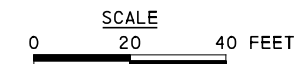
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS FIFTH AVE - STA 475+50 TO STA 480+50	
Port Authority connecting people to life	CONTRACT NO. BRT-001
DWG. NO. PP9	SHT. 365



LEGEND	
[Symbol]	DRAINAGE STRUCTURE IDENTIFICATION
[Symbol]	TRENCH DRAIN, PWSA
[Symbol]	DEDICATED BUS LANE
[Symbol]	LANDSCAPING AREAS
[Symbol]	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
[Symbol]	DETECTABLE WARNING SURFACE
[Symbol]	CURB RAMP
[Symbol]	DIRECTIONAL INDICATOR
[Symbol]	TO BE RELOCATED BY THE UTILITY COMPANY
[Symbol]	RELOCATE EXISTING MANHOLE
[Symbol]	RELOCATE EXISTING PWSA MANHOLE
[Symbol]	GRADE ADJUST EXISTING MANHOLE
[Symbol]	GRADE ADJUST EXISTING PWSA MANHOLE
[Symbol]	GRADE ADJUST EXISTING VALVE/UTILITY BOX
[Symbol]	RELOCATE EXISTING VALVE/UTILITY BOX
[Symbol]	UTILITY TO BE ABANDONED



FOR INTERSECTION DETAIL SEE SHEET 201	FOR LANDSCAPING PLAN SEE SHEET 583
FOR CIVIL LAYOUT PLAN SEE SHEET 277	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 654
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 327	FOR LIGHTING PLAN SEE SHEET 710
FOR PROFILE SEE SHEETS 412 & 422	FOR CONTROL SYSTEMS PLAN SEE SHEET 888
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 465	FOR STORMWATER MANAGEMENT (ALSO PLAN) SEE SHEET 18
FOR UTILITY PLAN SEE SHEET 509	
PWSA RELOCATION PLAN SEE SHEET 558	

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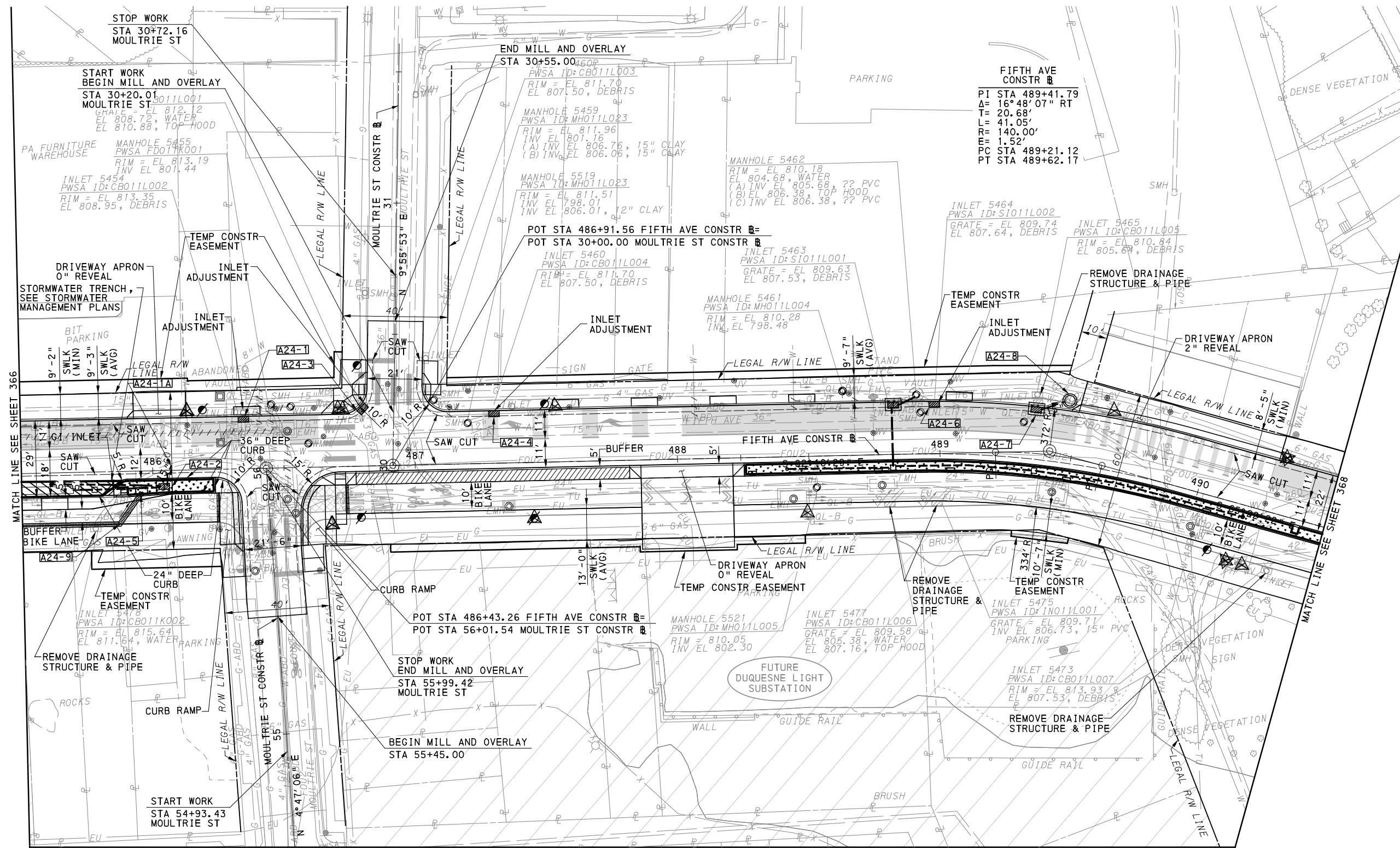
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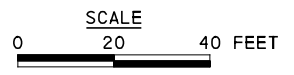
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS FIFTH AVE - STA 480+50 TO STA 485+50	
Port Authority connecting people to life	CONTRACT NO. BRT-001
DWG. NO. PP10	SHT. 366



LEGEND	
	DRAINAGE STRUCTURE IDENTIFICATION
	TRENCH DRAIN, PWSA
	DEDICATED BUS LANE
	LANDSCAPING AREAS
	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
	DETECTABLE WARNING SURFACE
	CURB RAMP
	DIRECTIONAL INDICATOR
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/ UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED

MATCH LINE SEE SHEET 393



FOR INTERSECTION DETAIL SEE SHEET 203	FOR LANDSCAPING PLAN SEE SHEET 584
FOR CIVIL LAYOUT PLAN SEE SHEET 278	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 655
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 328	FOR LIGHTING PLAN SEE SHEET 711
FOR PROFILE SEE SHEETS 413 & 422	FOR CONTROL SYSTEMS PLAN SEE SHEET 889
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 466	FOR STORMWATER MANAGEMENT (ALSO PLAN) SEE SHEET 19
FOR UTILITY PLAN SEE SHEET 510	
PWSA RELOCATION PLAN SEE SHEET 559	

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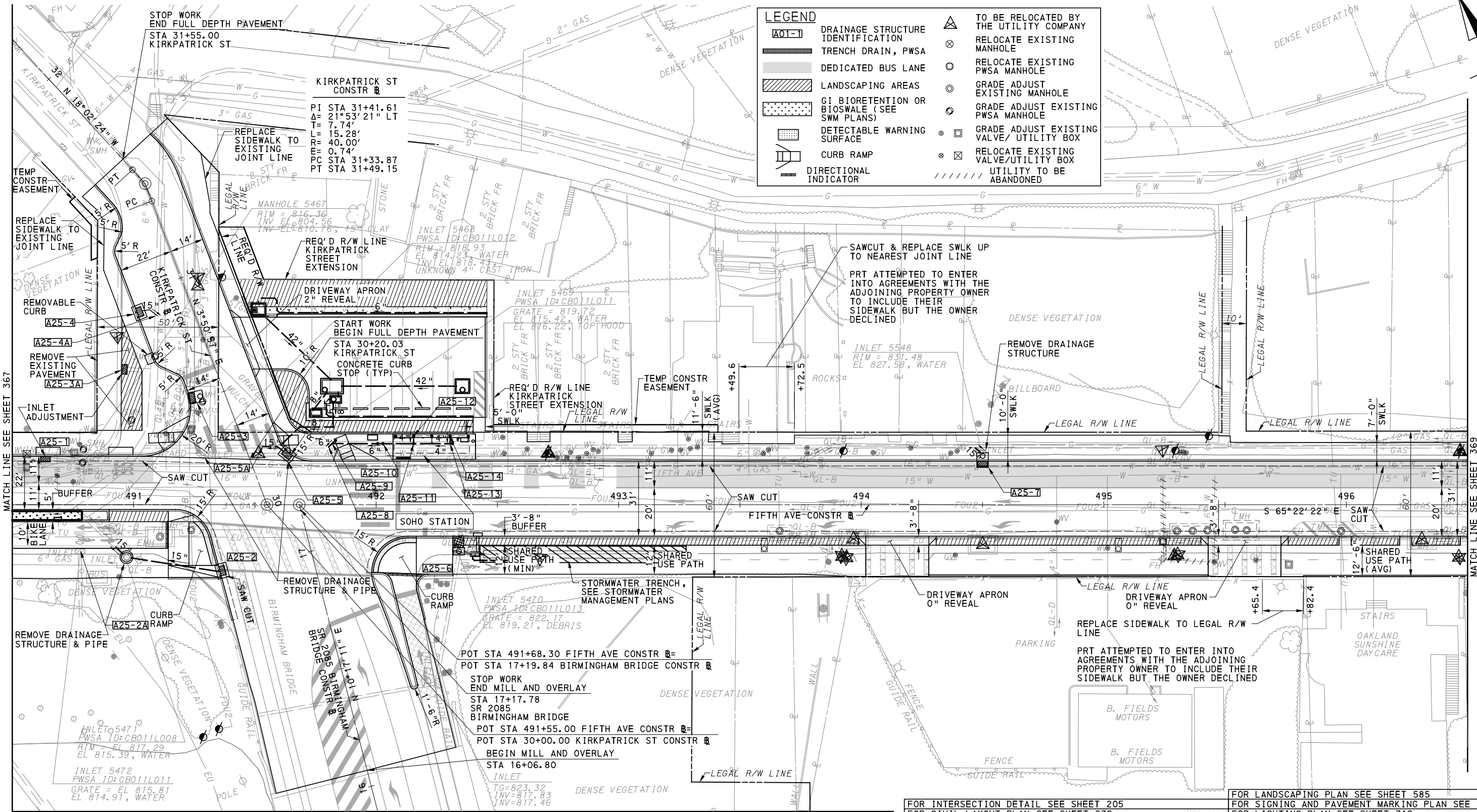
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS FIFTH AVE - STA 485+50 TO STA 490+50	
Port Authority connecting people to life	CONTRACT NO. BRT-001
DWG. NO. PP11	SHT. 367



LEGEND	
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED

MATCH LINE SEE SHEET 367

MATCH LINE SEE SHEET 369



FOR INTERSECTION DETAIL SEE SHEET 205	FOR LANDSCAPING PLAN SEE SHEET 585
FOR CIVIL LAYOUT PLAN SEE SHEET 279	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 656
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 329	FOR LIGHTING PLAN SEE SHEET 712
FOR PROFILE SEE SHEETS 414 & 423	FOR ARCHITECTURAL PLAN SEE SHEET 751
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 467	FOR BUS STATION DRAINAGE PLAN SEE SHEET 848
FOR UTILITY PLAN SEE SHEET 511	FOR CONTROL SYSTEMS PLAN SEE SHEET 890
PWSA RELOCATION PLAN SEE SHEET 560	FOR SIGNAL PLAN SEE SHEET 1099
	FOR STORMWATER MANAGEMENT (ALSO PLAN) SEE SHEET 20

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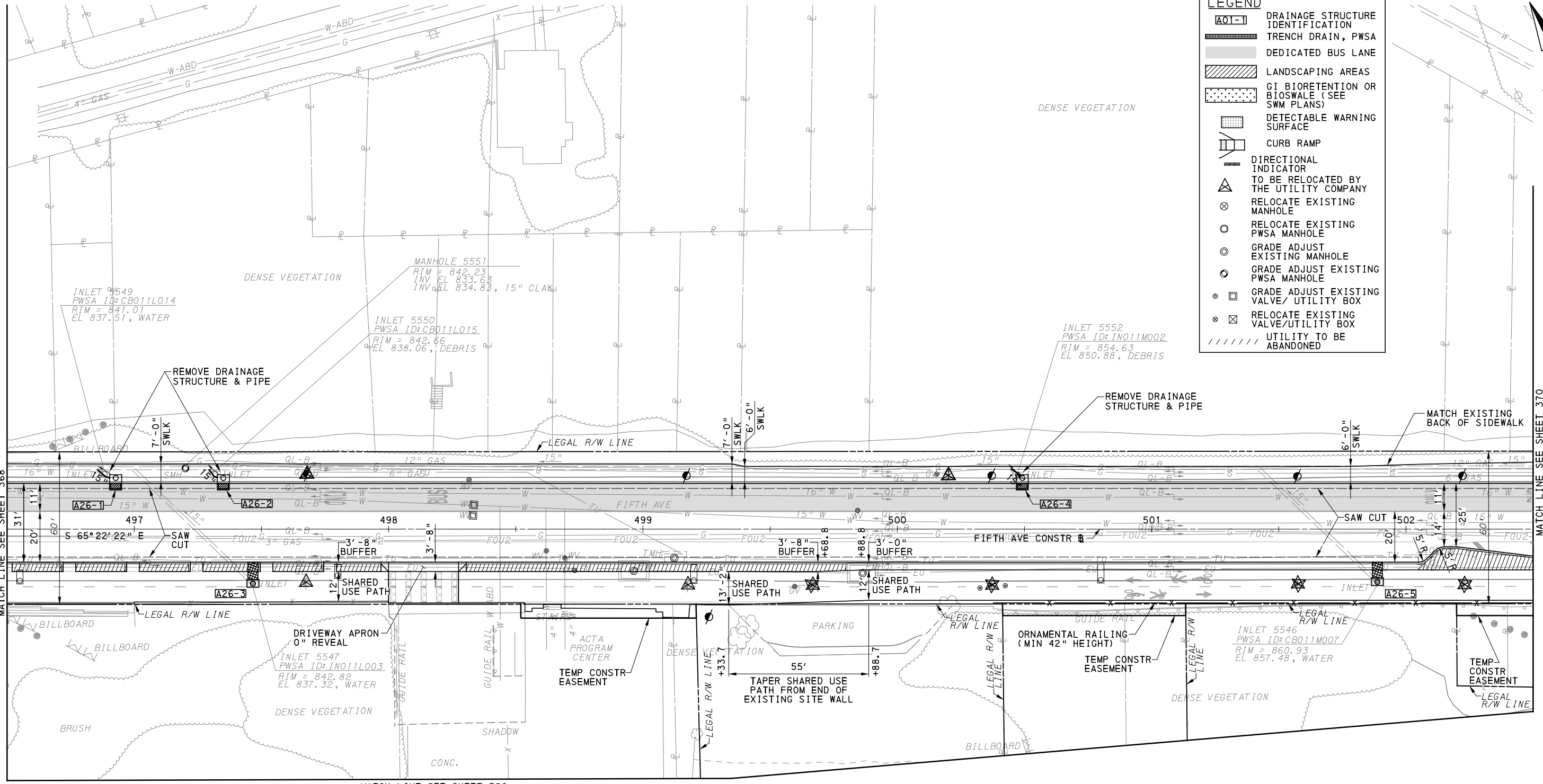
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS FIFTH AVE - STA 490+50 TO STA 496+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. PP12	SHT. 368

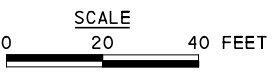


LEGEND	
	DRAINAGE STRUCTURE IDENTIFICATION
	TRENCH DRAIN, PWSA
	DEDICATED BUS LANE
	LANDSCAPING AREAS
	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
	DETECTABLE WARNING SURFACE
	CURB RAMP
	DIRECTIONAL INDICATOR
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/ UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED

MATCH LINE SEE SHEET 370

MATCH LINE SEE SHEET 368

MATCH LINE SEE SHEET 390



FOR CIVIL LAYOUT PLAN SEE SHEET 280	FOR LANDSCAPING PLAN SEE SHEET 586
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 330	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 657
FOR PROFILE SEE SHEET 415	FOR LIGHTING PLAN SEE SHEET 713
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 468	FOR CONTROL SYSTEMS PLAN SEE SHEET 891
FOR UTILITY PLAN SEE SHEET 512	

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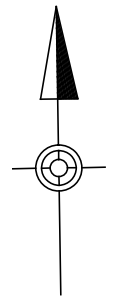
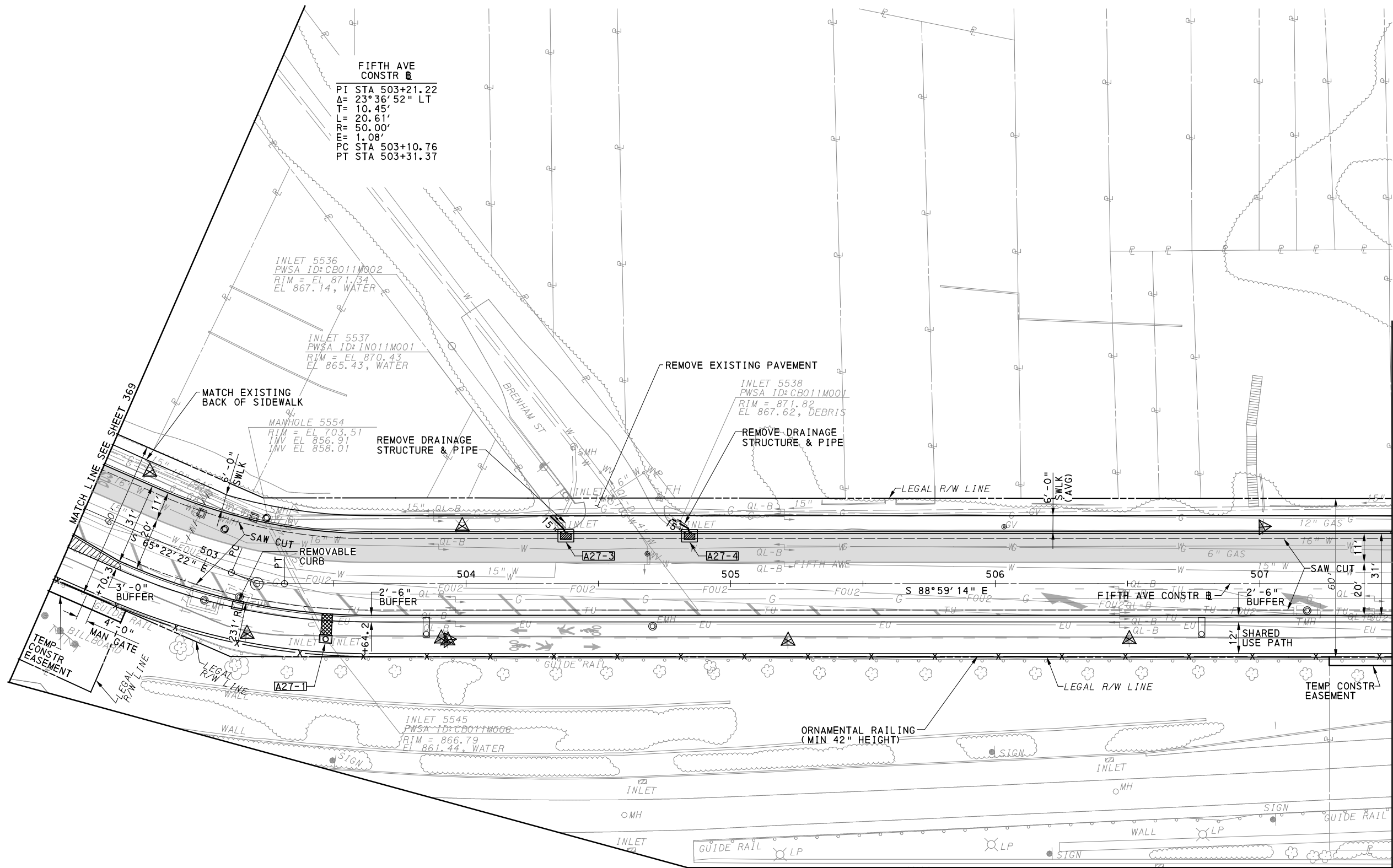
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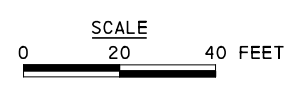
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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH, PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PLANS
 FIFTH AVE - STA 496+50 TO STA 502+50
Port Authority connecting people to life
 CONTRACT NO. BRT-001
 DWG. NO. PP13 SHT. 369



LEGEND	
	DRAINAGE STRUCTURE IDENTIFICATION
	TRENCH DRAIN, PWSA
	DEDICATED BUS LANE
	LANDSCAPING AREAS
	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
	DETECTABLE WARNING SURFACE
	CURB RAMP
	DIRECTIONAL INDICATOR
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED



FOR CIVIL LAYOUT PLAN SEE SHEET 281	FOR LANDSCAPING PLAN SEE SHEET 587
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 331	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 658
FOR PROFILE SEE SHEET 416	FOR LIGHTING PLAN SEE SHEET 714
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 469	FOR CONTROL SYSTEMS PLAN SEE SHEET 892
FOR UTILITY PLAN SEE SHEET 513	
PWSA RELOCATION PLAN SEE SHEET 561	

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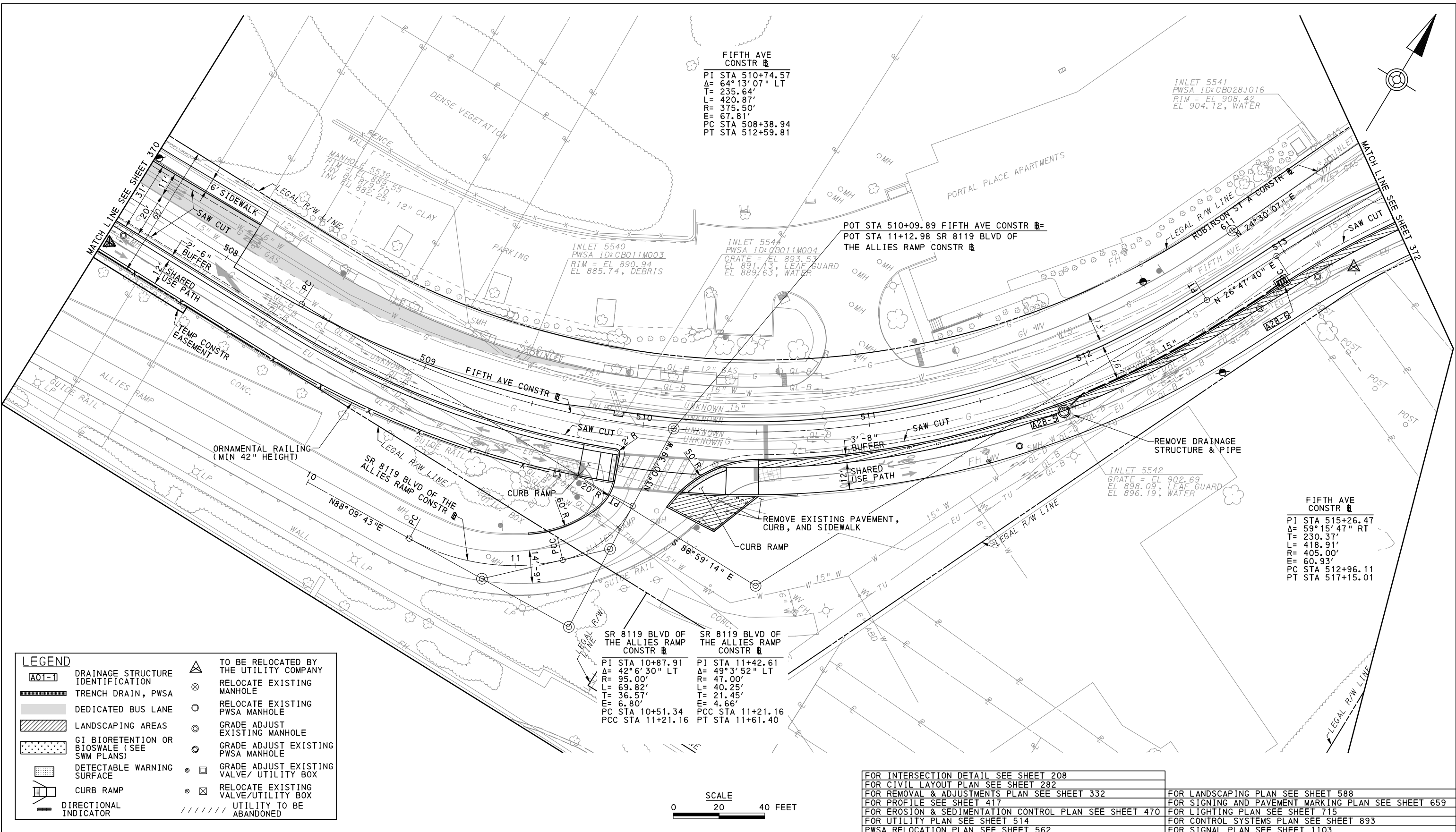
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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH, PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FIFTH AVE - STA 502+50 TO STA 507+50

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CONTRACT NO. BRT-001
 DWG. NO. PP14 SHT. 370



FIFTH AVE CONSTR
 PI STA 510+74.57
 $\Delta = 64^\circ 13' 07''$ LT
 T = 235.64'
 L = 420.87'
 R = 375.50'
 E = 67.81'
 PC STA 508+38.94
 PT STA 512+59.81

INLET 5541
 PWSA ID: CBO28J016
 RIM = EL 908.42
 EL 904.12, WATER

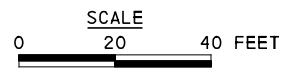
POT STA 510+09.89 FIFTH AVE CONSTR
 POT STA 11+12.98 SR 8119 BLVD OF THE ALLIES RAMP CONSTR

FIFTH AVE CONSTR
 PI STA 515+26.47
 $\Delta = 59^\circ 15' 47''$ RT
 T = 230.37'
 L = 418.91'
 R = 405.00'
 E = 60.93'
 PC STA 512+96.11
 PT STA 517+15.01

SR 8119 BLVD OF THE ALLIES RAMP CONSTR
 PI STA 10+87.91
 $\Delta = 42^\circ 6' 30''$ LT
 R = 95.00'
 L = 69.82'
 T = 36.57'
 E = 6.80'
 PC STA 10+51.34
 PCC STA 11+21.16

SR 8119 BLVD OF THE ALLIES RAMP CONSTR
 PI STA 11+42.61
 $\Delta = 49^\circ 3' 52''$ LT
 R = 47.00'
 L = 40.25'
 T = 21.45'
 E = 4.66'
 PCC STA 11+21.16
 PT STA 11+61.40

LEGEND	
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED



FOR INTERSECTION DETAIL SEE SHEET 208	FOR LANDSCAPING PLAN SEE SHEET 588
FOR CIVIL LAYOUT PLAN SEE SHEET 282	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 659
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 332	FOR LIGHTING PLAN SEE SHEET 715
FOR PROFILE SEE SHEET 417	FOR CONTROL SYSTEMS PLAN SEE SHEET 893
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 470	FOR SIGNAL PLAN SEE SHEET 1103
FOR UTILITY PLAN SEE SHEET 514	
PWSA RELOCATION PLAN SEE SHEET 562	

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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FIFTH AVE - STA 507+50 TO STA 513+50

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CONTRACT NO. BRT-001
 DWG. NO. PP15 SHT. 371

ROBINSON ST A CONSTR
 PI STA 613+54.08
 Δ = 63° 11' 10" RT
 T = 30.75'
 L = 55.14'
 R = 50.00'
 E = 8.70'
 PC STA 613+23.33
 PT STA 613+78.47

FIFTH AVE CONSTR
 PI STA 515+26.47
 Δ = 59° 15' 47" RT
 T = 230.37'
 L = 418.91'
 R = 405.00'
 E = 60.93'
 PC STA 512+96.11
 PT STA 517+15.01



LEGEND	
	DRAINAGE STRUCTURE IDENTIFICATION
	TRENCH DRAIN, PWSA
	DEDICATED BUS LANE
	LANDSCAPING AREAS
	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
	DETECTABLE WARNING SURFACE
	CURB RAMP
	DIRECTIONAL INDICATOR
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/ UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED

FOR CIVIL LAYOUT PLAN SEE SHEET 283	FOR LANDSCAPING PLAN SEE SHEET 589
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 333	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 660
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 471	FOR LIGHTING PLAN SEE SHEET 716
FOR UTILITY PLAN SEE SHEET 515	FOR ARCHITECTURAL PLAN SEE SHEET 752
PWSA RELOCATION PLAN SEE SHEET 563	FOR BUS STATION DRAINAGE PLAN SEE SHEET 849
	FOR CONTROL SYSTEMS PLAN SEE SHEET 894

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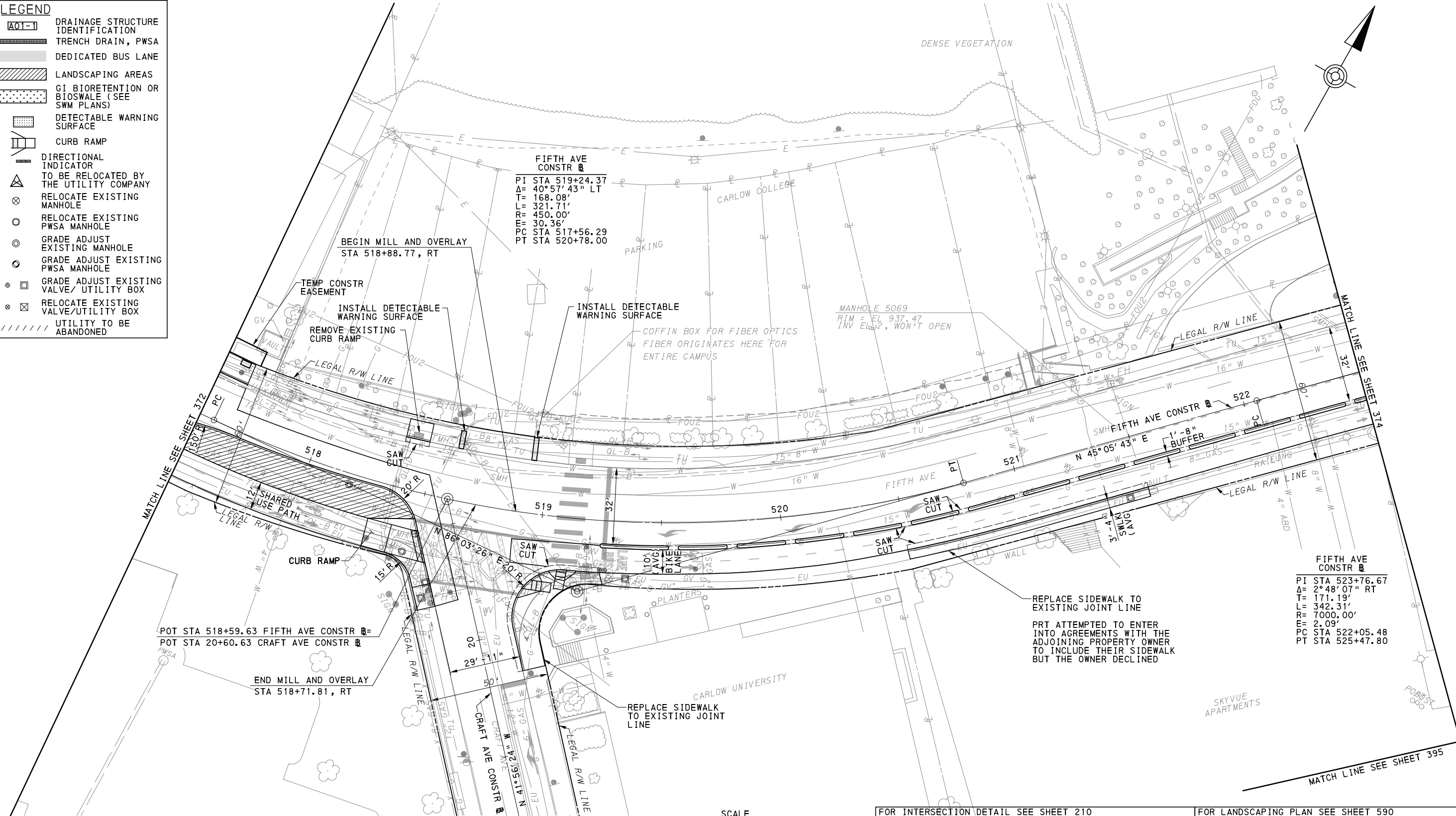
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FIFTH AVE - STA 513+50 TO STA 517+50

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 DWG. NO. PP16 SHT. 372

LEGEND	
	DRAINAGE STRUCTURE IDENTIFICATION
	TRENCH DRAIN, PWSA
	DEDICATED BUS LANE
	LANDSCAPING AREAS
	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
	DETECTABLE WARNING SURFACE
	CURB RAMP
	DIRECTIONAL INDICATOR
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED



FOR INTERSECTION DETAIL SEE SHEET 210	FOR LANDSCAPING PLAN SEE SHEET 590
FOR CIVIL LAYOUT PLAN SEE SHEET 284	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 645
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 334	FOR LIGHTING PLAN SEE SHEET 717
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 472	FOR BUS STATION DRAINAGE PLAN SEE SHEET 849
FOR UTILITY PLAN SEE SHEET 516	FOR SIGNAL PLAN SEE SHEET 1107



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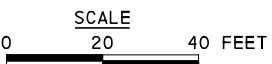
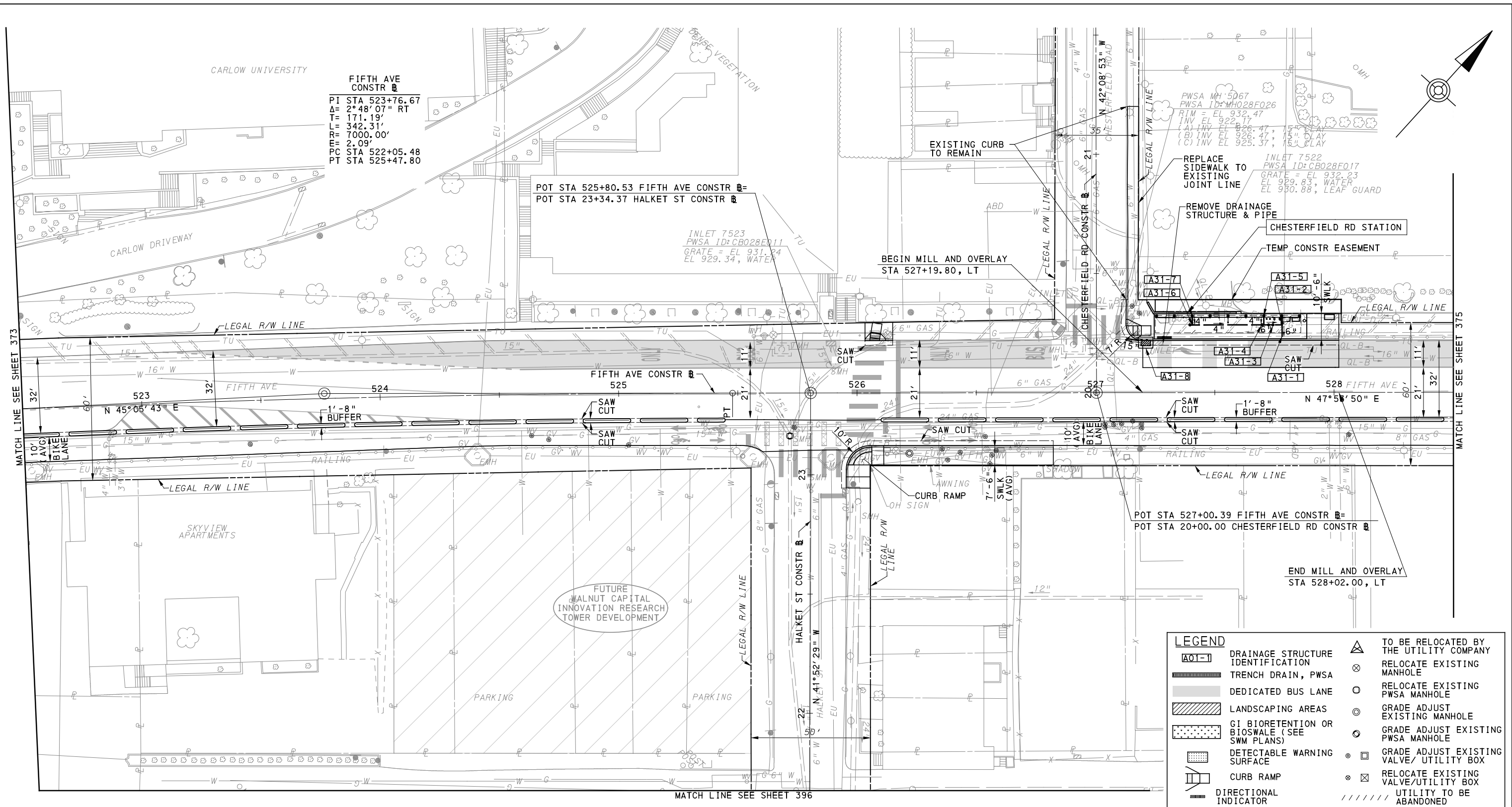
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FIFTH AVE - STA 517+50 TO STA 522+50

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 DWG. NO. PP17 SHT. 373



FOR INTERSECTION DETAIL SEE SHEET 212
 FOR CIVIL LAYOUT PLAN SEE SHEET 285
 FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 335
 FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 473
 FOR UTILITY PLAN SEE SHEET 517

FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 662
 FOR LIGHTING PLAN SEE SHEET 718
 FOR ARCHITECTURAL PLAN SEE SHEET 753
 FOR BUS STATION DRAINAGE PLAN SEE SHEET 850
 FOR CONTROL SYSTEMS PLAN SEE SHEET 895
 FOR SIGNAL PLAN SEE SHEET 1111

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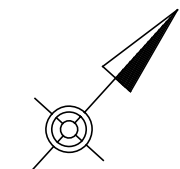
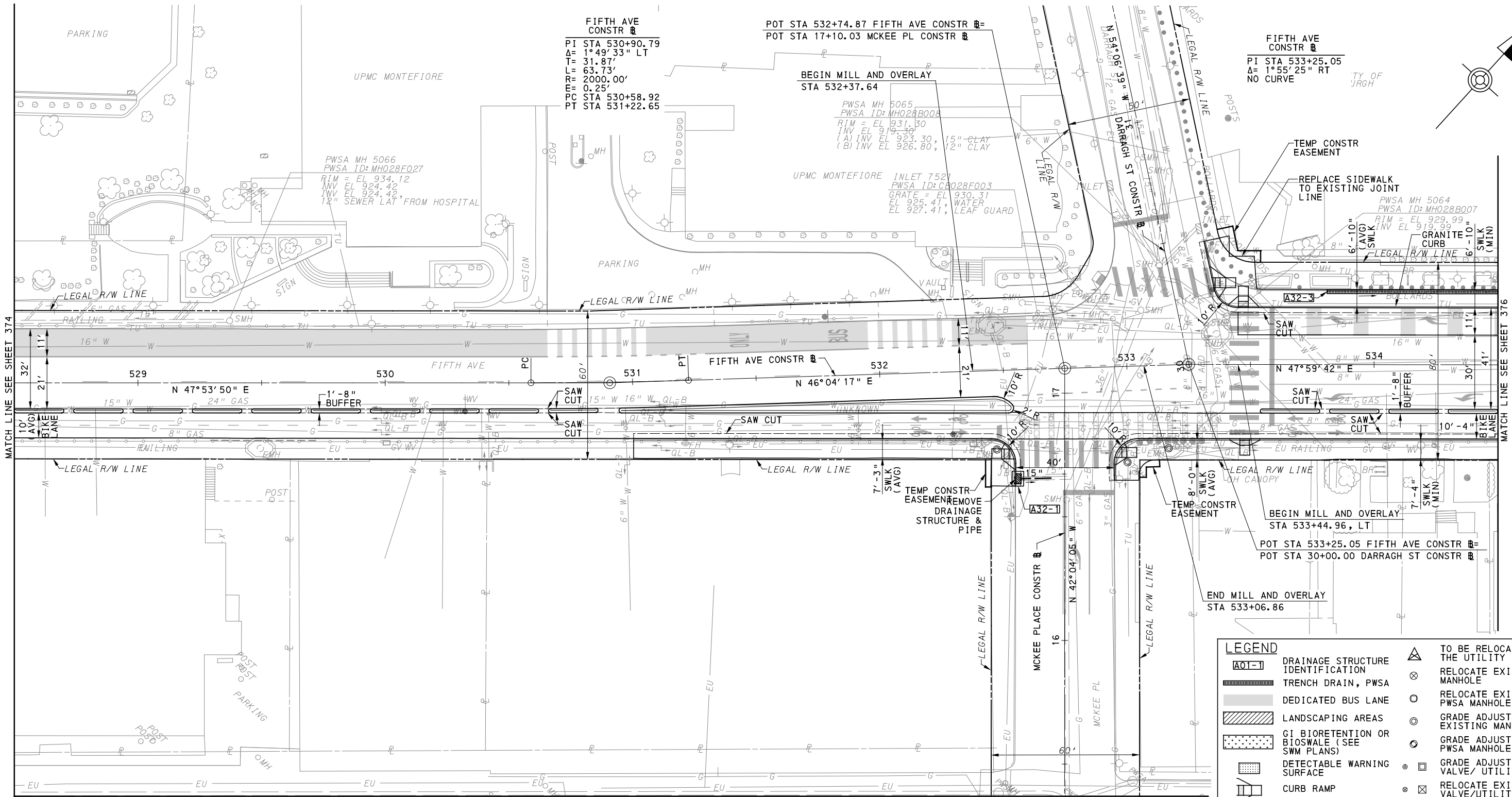
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FIFTH AVE - STA 522+50 TO STA 528+50

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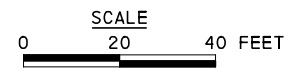
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 DWG. NO. PP18 SHT. 374



MATCH LINE SEE SHEET 374

MATCH LINE SEE SHEET 376

MATCH LINE SEE SHEET 394



FOR INTERSECTION DETAIL SEE SHEET 214	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 663
FOR CIVIL LAYOUT PLAN SEE SHEET 286	FOR LIGHTING PLAN SEE SHEET 719
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 336	FOR BUS STATION DRAINAGE PLAN SEE SHEET 850
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 474	FOR CONTROL SYSTEMS PLAN SEE SHEET 896
FOR UTILITY PLAN SEE SHEET 518	FOR SIGNAL PLAN SEE SHEET 1115

LEGEND	
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED

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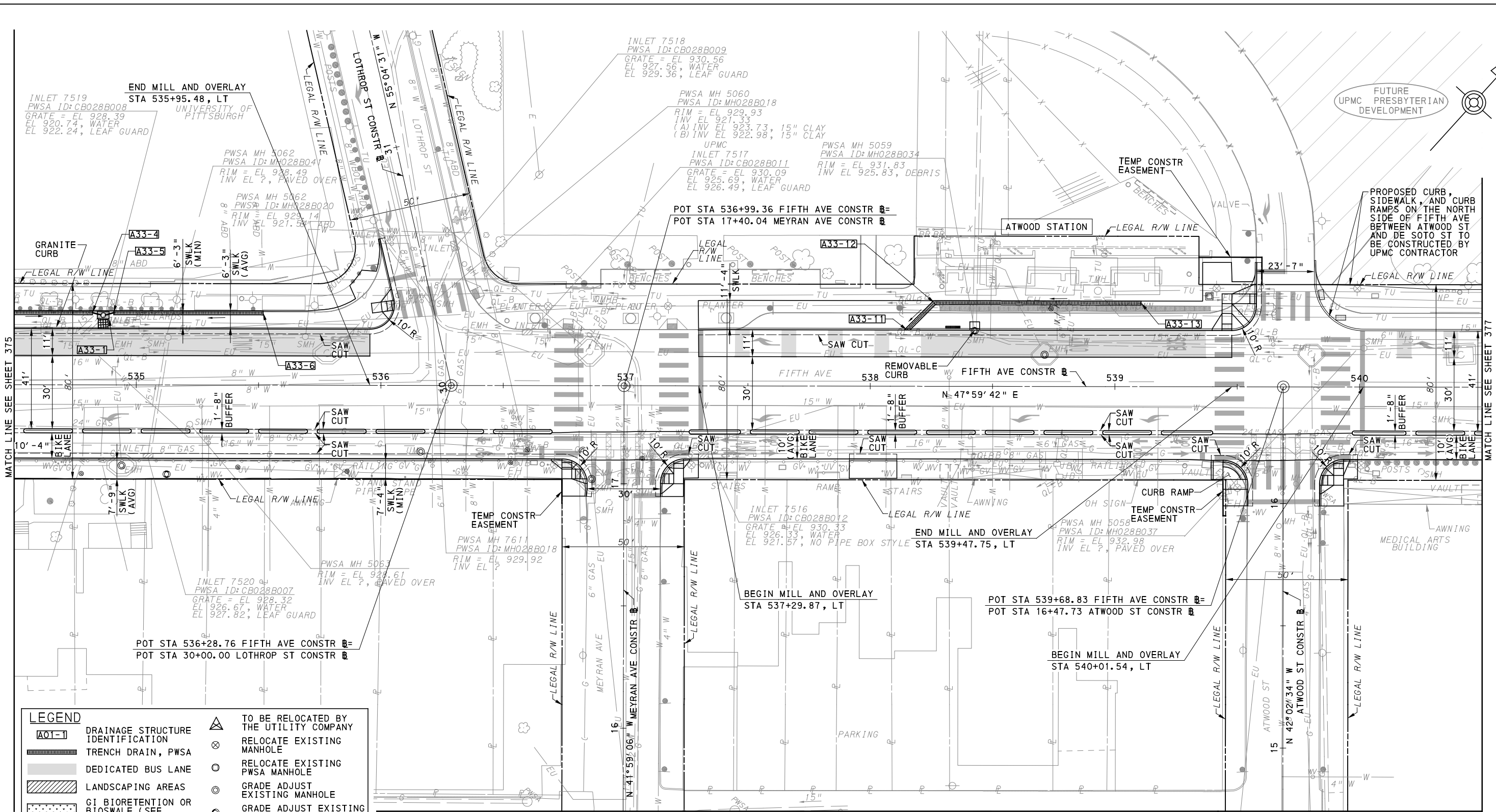
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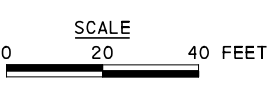
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FIFTH AVE - STA 528+50 TO STA 534+50

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CONTRACT NO. BRT-001
 DWG. NO. PP19 SHT. 375



LEGEND	
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED



FOR INTERSECTION DETAIL SEE SHEETS 216 - 218	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 664
FOR CIVIL LAYOUT PLAN SEE SHEET 287	FOR LIGHTING PLAN SEE SHEET 720
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 337	FOR ARCHITECTURAL PLAN SEE SHEET 754
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 475	FOR CONTROL SYSTEMS PLAN SEE SHEET 897
FOR UTILITY PLAN SEE SHEET 519	FOR SIGNAL PLAN SEE SHEETS 1119 - 1123
PWSA RELOCATION PLAN SEE SHEET 564	

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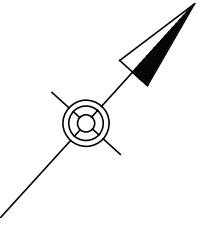
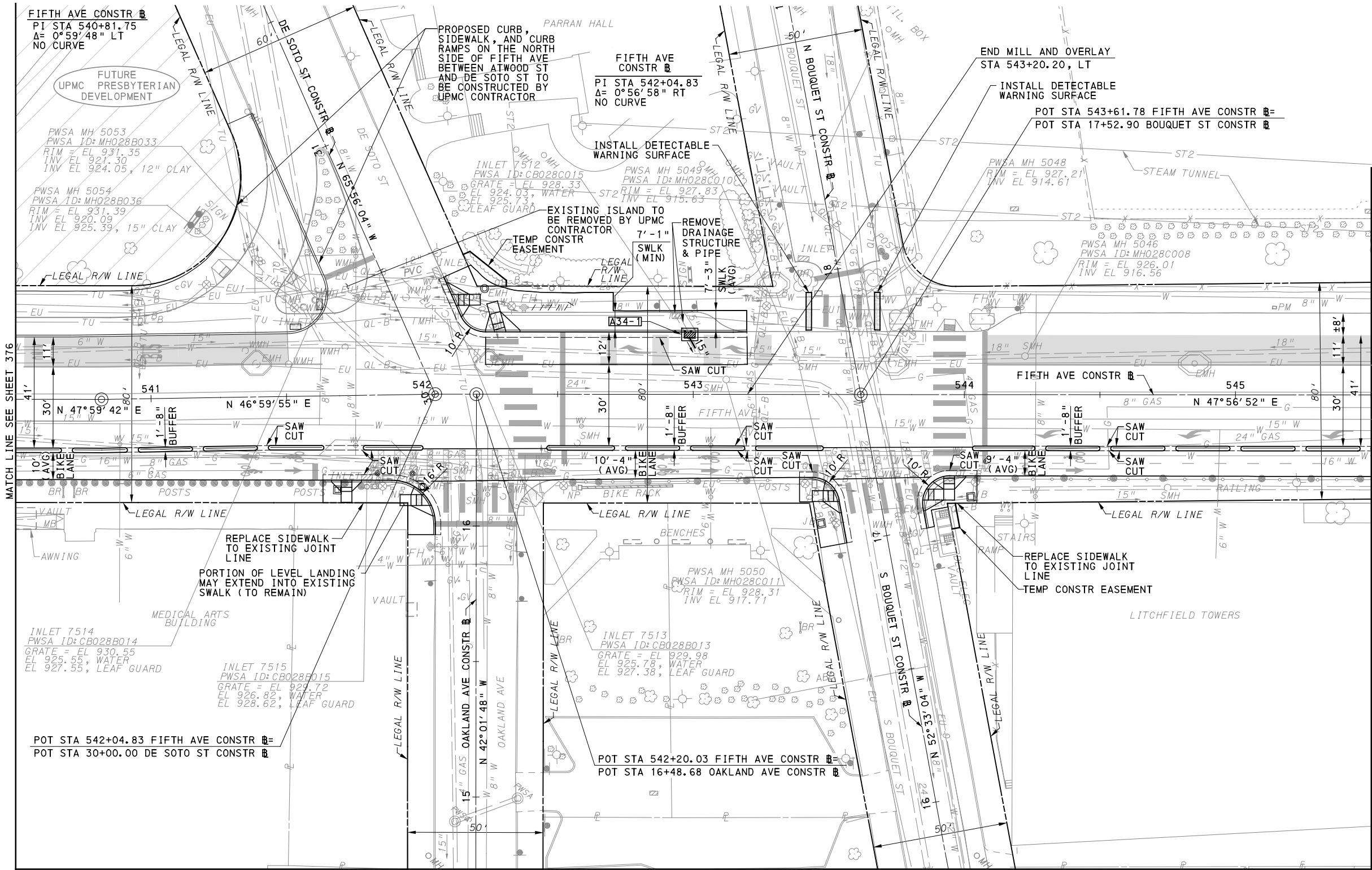
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FIFTH AVE - STA 534+50 TO STA 540+50

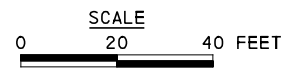
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SHT. 376



LEGEND	
	DRAINAGE STRUCTURE IDENTIFICATION
	TRENCH DRAIN, PWSA
	DEDICATED BUS LANE
	LANDSCAPING AREAS
	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
	DETECTABLE WARNING SURFACE
	CURB RAMP
	DIRECTIONAL INDICATOR
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/ UTILITY BOX
	RELOCATE EXISTING VALVE/ UTILITY BOX
	UTILITY TO BE ABANDONED

MATCH LINE SEE SHEET 398



FOR INTERSECTION DETAIL SEE SHEETS 220 - 222
 FOR CIVIL LAYOUT PLAN SEE SHEET 288
 FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 338
 FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 476
 FOR UTILITY PLAN SEE SHEET 520
 PWSA RELOCATION PLAN SEE SHEET 565

FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 665
 FOR LIGHTING PLAN SEE SHEET 721
 FOR SIGNAL PLAN SEE SHEETS 1127 - 1131

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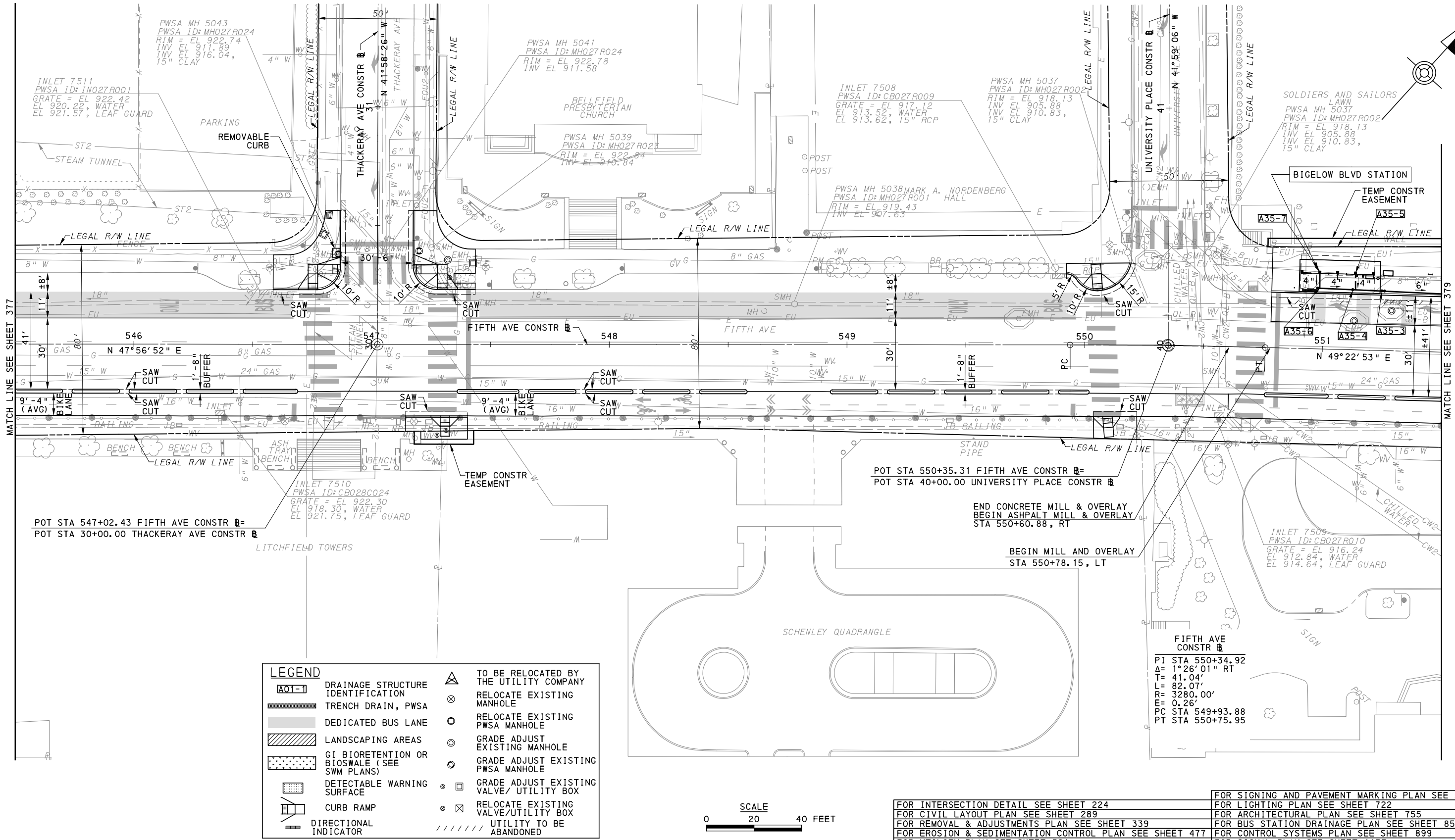
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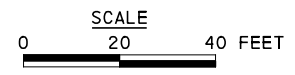
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FIFTH AVE - STA 540+50 TO STA 545+50

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SHT. 377



LEGEND	
	DRAINAGE STRUCTURE IDENTIFICATION
	TRENCH DRAIN, PWSA
	DEDICATED BUS LANE
	LANDSCAPING AREAS
	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
	DETECTABLE WARNING SURFACE
	CURB RAMP
	DIRECTIONAL INDICATOR
	UTILITY TO BE ABANDONED
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX



FOR INTERSECTION DETAIL SEE SHEET 224	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 666
FOR CIVIL LAYOUT PLAN SEE SHEET 289	FOR LIGHTING PLAN SEE SHEET 722
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 339	FOR ARCHITECTURAL PLAN SEE SHEET 755
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 477	FOR BUS STATION DRAINAGE PLAN SEE SHEET 851
FOR UTILITY PLAN SEE SHEET 521	FOR CONTROL SYSTEMS PLAN SEE SHEET 899
	FOR SIGNAL PLAN SEE SHEET 1135

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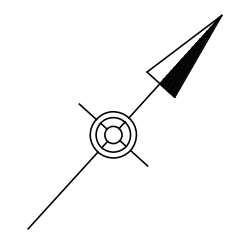
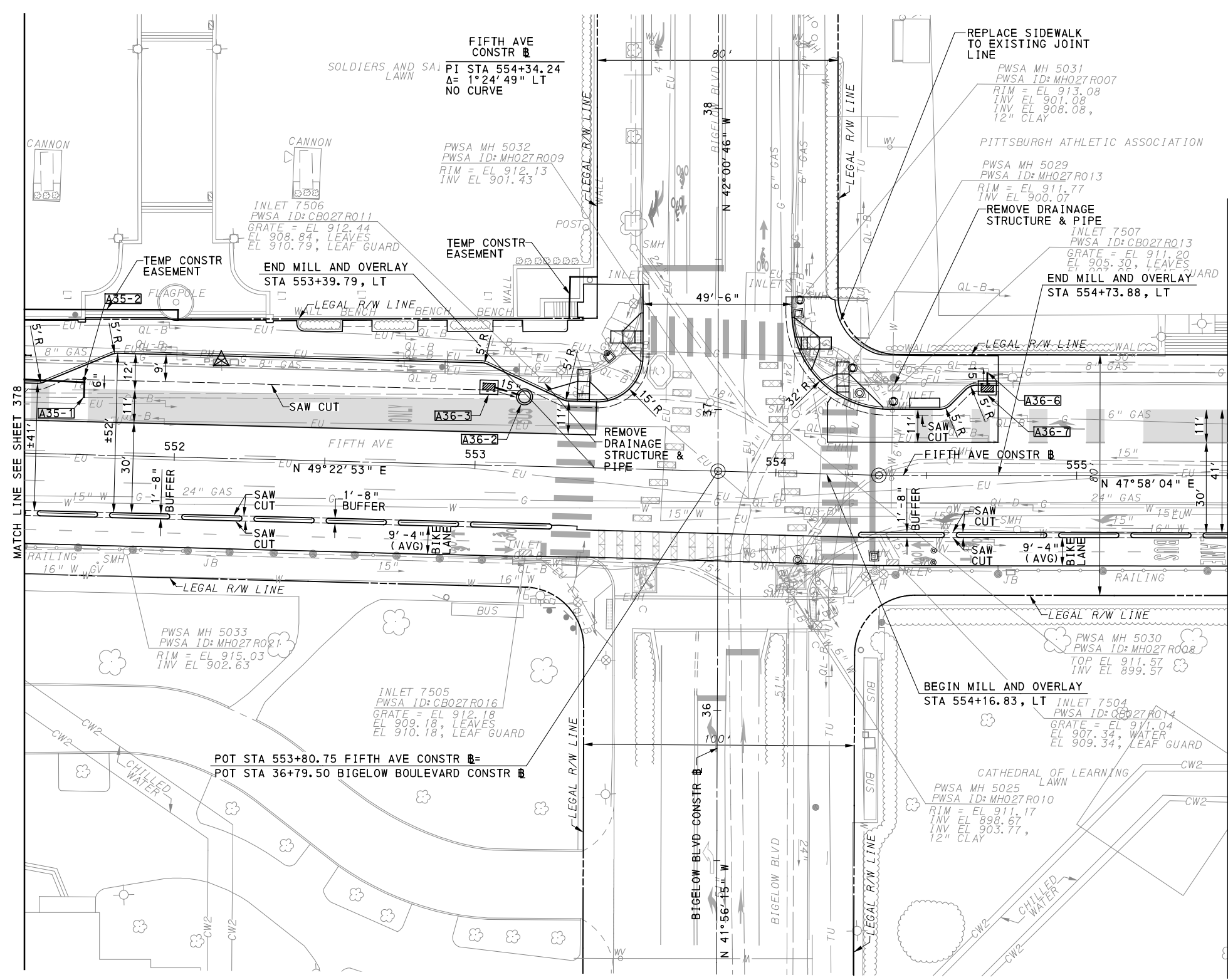
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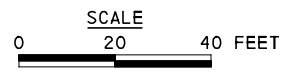
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FIFTH AVE - STA 545+50 TO STA 551+50
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 CONTRACT NO. BRT-001
 DWG. NO. PP22 SHT. 378



LEGEND	
	DRAINAGE STRUCTURE IDENTIFICATION
	TRENCH DRAIN, PWSA
	DEDICATED BUS LANE
	LANDSCAPING AREAS
	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
	DETECTABLE WARNING SURFACE
	CURB RAMP
	DIRECTIONAL INDICATOR
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/ UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED



FOR INTERSECTION DETAIL SEE SHEET 226	FOR LANDSCAPING PLAN SEE SHEET 591
FOR CIVIL LAYOUT PLAN SEE SHEET 290	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 667
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 340	FOR LIGHTING PLAN SEE SHEET 723
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 478	FOR BUS STATION DRAINAGE PLAN SEE SHEET 851
FOR UTILITY PLAN SEE SHEET 522	FOR SIGNAL PLAN SEE SHEET 1139

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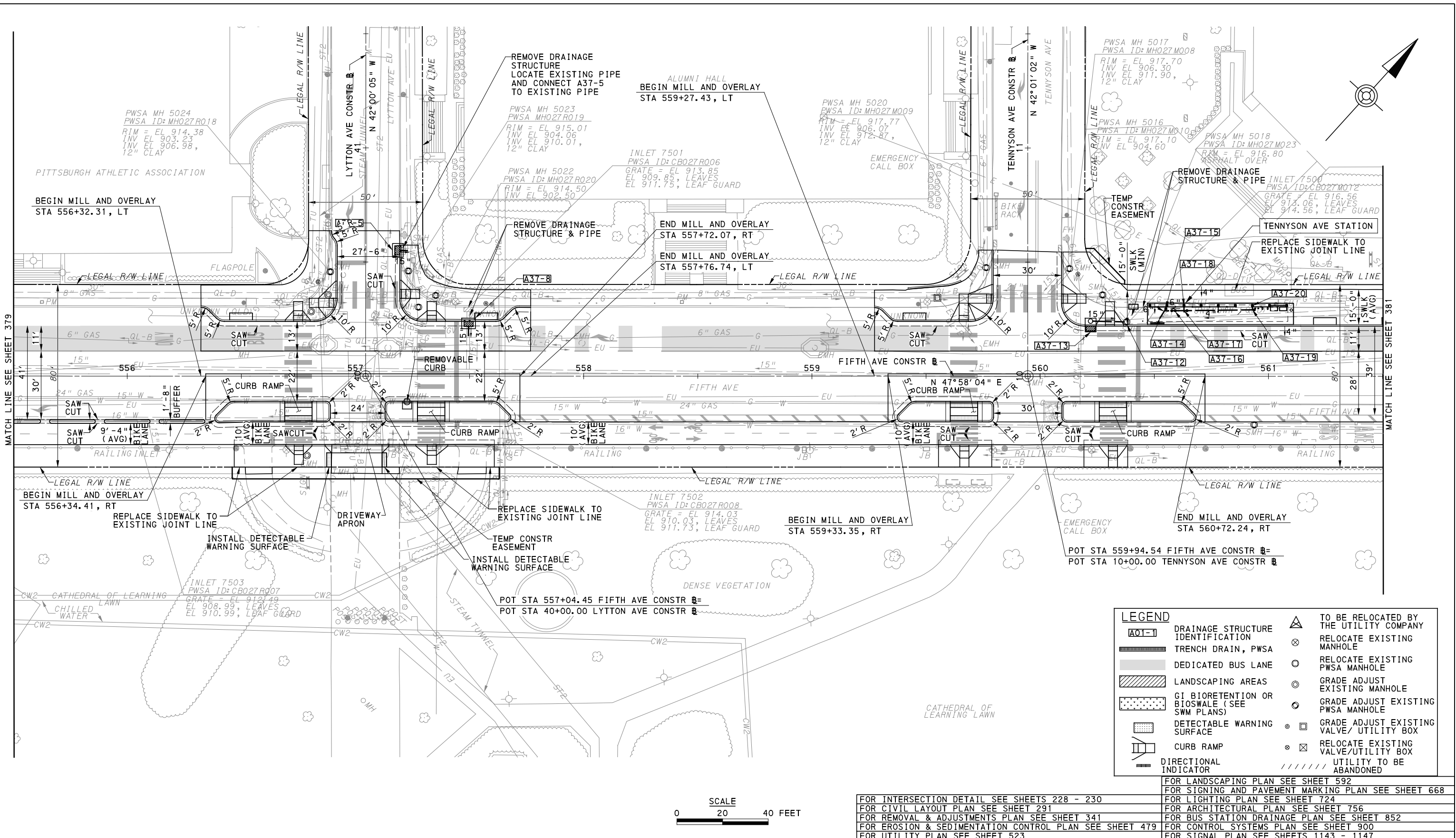
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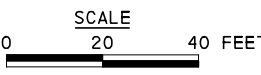
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 DWG. NO. PP23 SHT. 379



LEGEND	
[Symbol]	TO BE RELOCATED BY THE UTILITY COMPANY
[Symbol]	RELOCATE EXISTING MANHOLE
[Symbol]	RELOCATE EXISTING PWSA MANHOLE
[Symbol]	GRADE ADJUST EXISTING MANHOLE
[Symbol]	GRADE ADJUST EXISTING PWSA MANHOLE
[Symbol]	GRADE ADJUST EXISTING VALVE/ UTILITY BOX
[Symbol]	RELOCATE EXISTING VALVE/ UTILITY BOX
[Symbol]	UTILITY TO BE ABANDONED
[Symbol]	DRAINAGE STRUCTURE IDENTIFICATION
[Symbol]	TRENCH DRAIN, PWSA
[Symbol]	DEDICATED BUS LANE
[Symbol]	LANDSCAPING AREAS
[Symbol]	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
[Symbol]	DETECTABLE WARNING SURFACE
[Symbol]	CURB RAMP
[Symbol]	DIRECTIONAL INDICATOR



FOR INTERSECTION DETAIL SEE SHEETS 228 - 230
 FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 668
 FOR LIGHTING PLAN SEE SHEET 724
 FOR ARCHITECTURAL PLAN SEE SHEET 756
 FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 341
 FOR BUS STATION DRAINAGE PLAN SEE SHEET 852
 FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 479
 FOR CONTROL SYSTEMS PLAN SEE SHEET 900
 FOR SIGNAL PLAN SEE SHEETS 1143 - 1147

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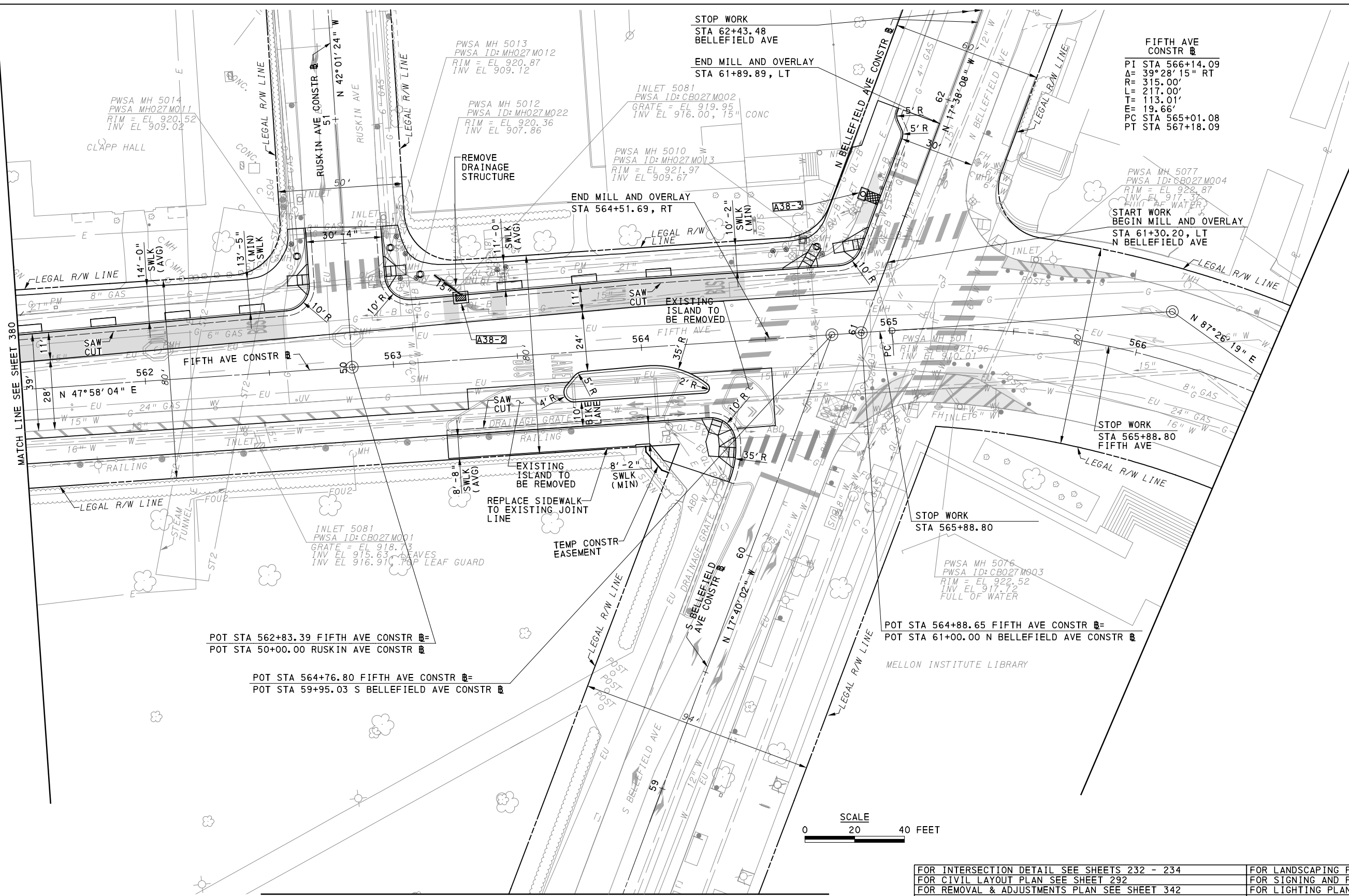
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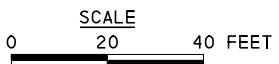
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FIFTH AVE - STA 555+50 TO STA 561+50

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CONTRACT NO. BRT-001
 DWG. NO. PP24 SHT. 380



LEGEND	
	DRAINAGE STRUCTURE IDENTIFICATION
	TRENCH DRAIN, PWSA
	DEDICATED BUS LANE
	LANDSCAPING AREAS
	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
	DETECTABLE WARNING SURFACE
	CURB RAMP
	DIRECTIONAL INDICATOR
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED



FOR INTERSECTION DETAIL SEE SHEETS 232 - 234	FOR LANDSCAPING PLAN SEE SHEET 593
FOR CIVIL LAYOUT PLAN SEE SHEET 292	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 669
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 342	FOR LIGHTING PLAN SEE SHEET 725
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 480	FOR BUS STATION DRAINAGE PLAN SEE SHEET 852
FOR UTILITY PLAN SEE SHEET 524	FOR SIGNAL PLAN SEE SHEETS



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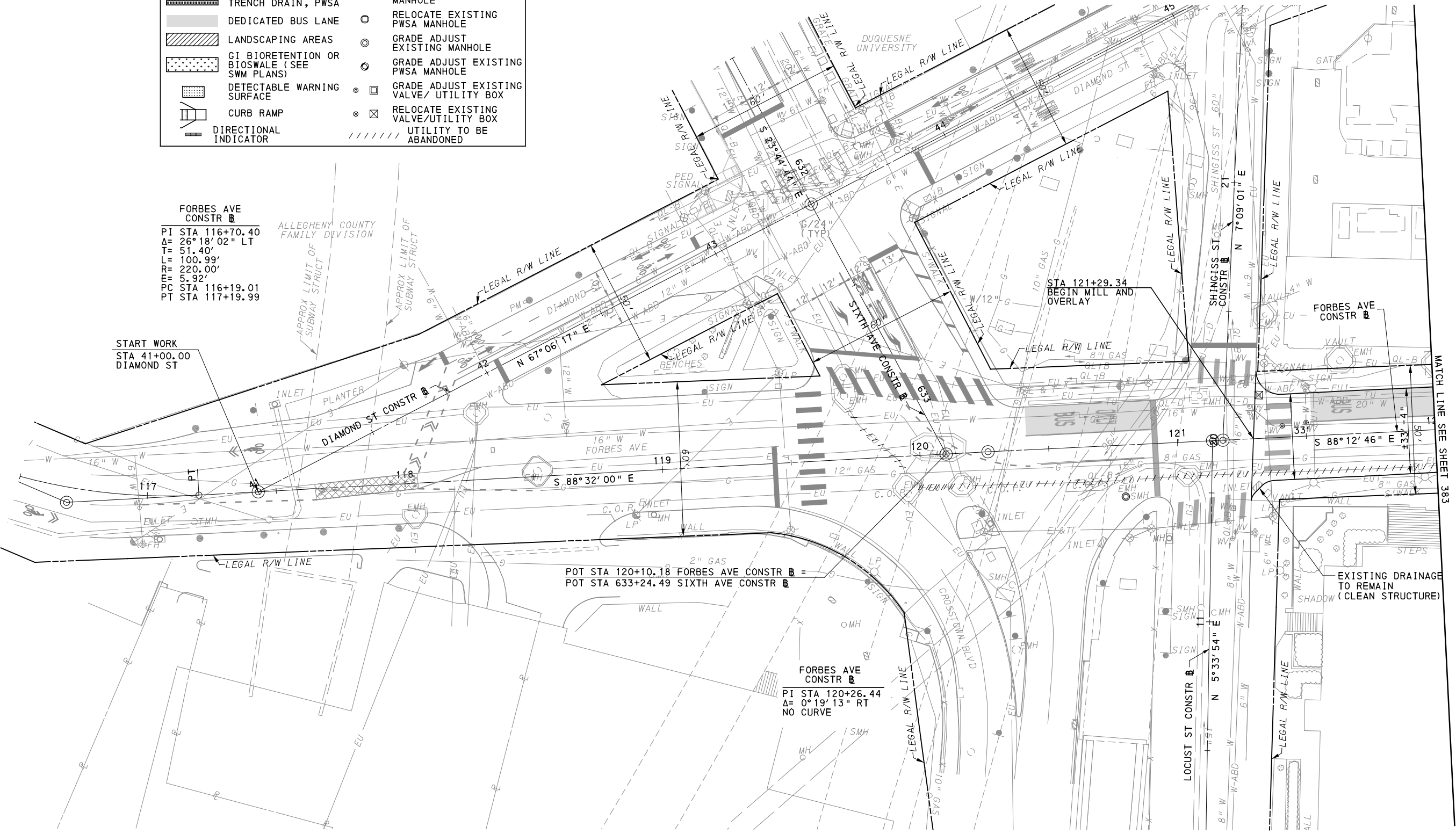
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PITTSBURGH, PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
FIFTH AVE - STA 561+50 TO STA 566+50

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DWG. NO. PP25 SHT. 381

LEGEND	
	DRAINAGE STRUCTURE IDENTIFICATION
	TRENCH DRAIN, PWSA
	DEDICATED BUS LANE
	LANDSCAPING AREAS
	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
	DETECTABLE WARNING SURFACE
	CURB RAMP
	DIRECTIONAL INDICATOR
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED

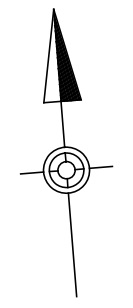
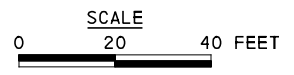


FORBES AVE CONSTR B
 PI STA 116+70.40
 Δ = 26° 18' 02" LT
 T = 51.40'
 L = 100.99'
 R = 220.00'
 E = 5.92'
 PC STA 116+19.01
 PT STA 117+19.99

START WORK
 STA 41+00.00
 DIAMOND ST

POT STA 120+10.18 FORBES AVE CONSTR B
 POT STA 633+24.49 SIXTH AVE CONSTR B

FORBES AVE CONSTR B
 PI STA 120+26.44
 Δ = 0° 19' 13" RT
 NO CURVE



FOR PROFILE SEE SHEET 424
 FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 481

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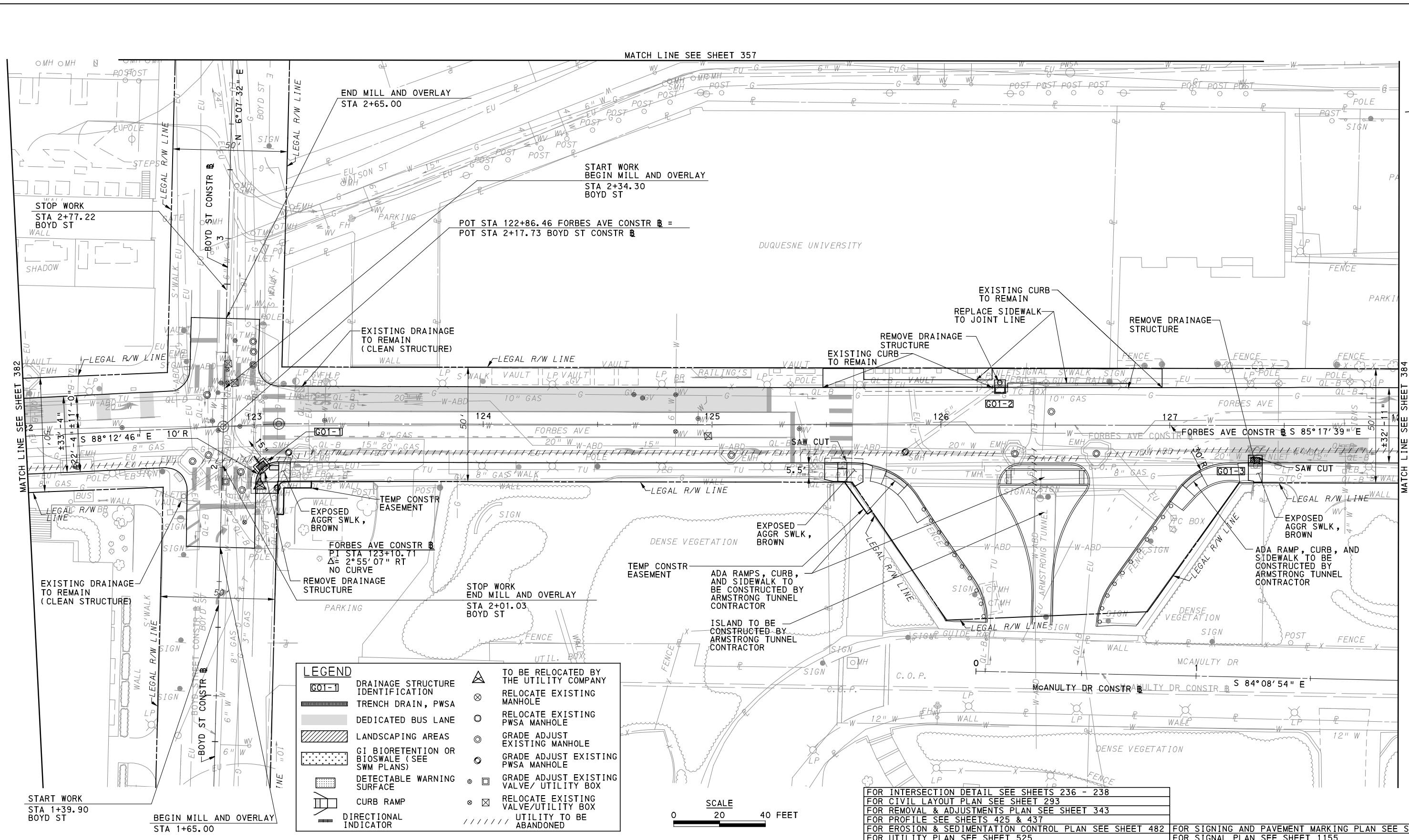
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FORBES AVE - STA 117+00 TO STA 122+00

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 DWG. NO. PP26 SHT. 382



FOR INTERSECTION DETAIL SEE SHEETS 236 - 238
 FOR CIVIL LAYOUT PLAN SEE SHEET 293
 FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 343
 FOR PROFILE SEE SHEETS 425 & 437
 FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 482
 FOR UTILITY PLAN SEE SHEET 525
 FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 670
 FOR SIGNAL PLAN SEE SHEET 1155

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 707 Grant Street
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 Suite 400
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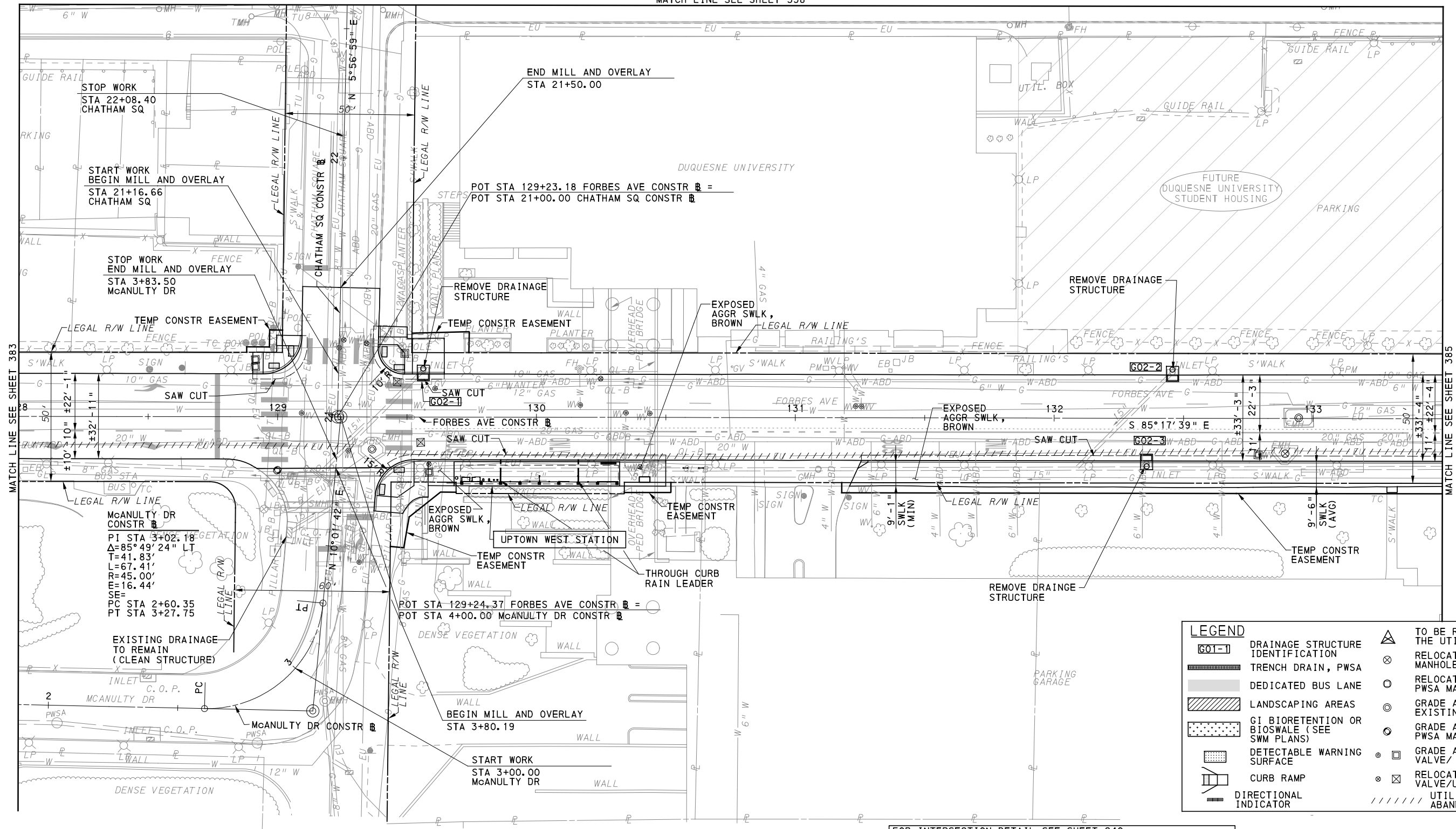
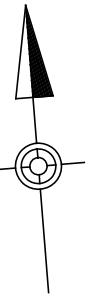
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FORBES AVE - STA 122+00 TO STA 128+00

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 DWG. NO. PP27 SHT. 383

MATCH LINE SEE SHEET 358

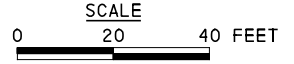


MATCH LINE SEE SHEET 383

MATCH LINE SEE SHEET 385

LEGEND	
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/ UTILITY BOX
	RELOCATE EXISTING VALVE/ UTILITY BOX
	UTILITY TO BE ABANDONED

FOR INTERSECTION DETAIL SEE SHEET 240	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 671
FOR CIVIL LAYOUT PLAN SEE SHEET 294	FOR LIGHTING PLAN SEE SHEET 726
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 344	FOR ARCHITECTURAL PLAN SEE SHEET 757
FOR PROFILE SEE SHEETS 426 & 437	FOR CONTROL SYSTEMS PLAN SEE SHEET 901
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 483	FOR SIGNAL PLAN SEE SHEET 1159
FOR UTILITY PLAN SEE SHEET 526	



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5th Floor
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Foster Plaza 8
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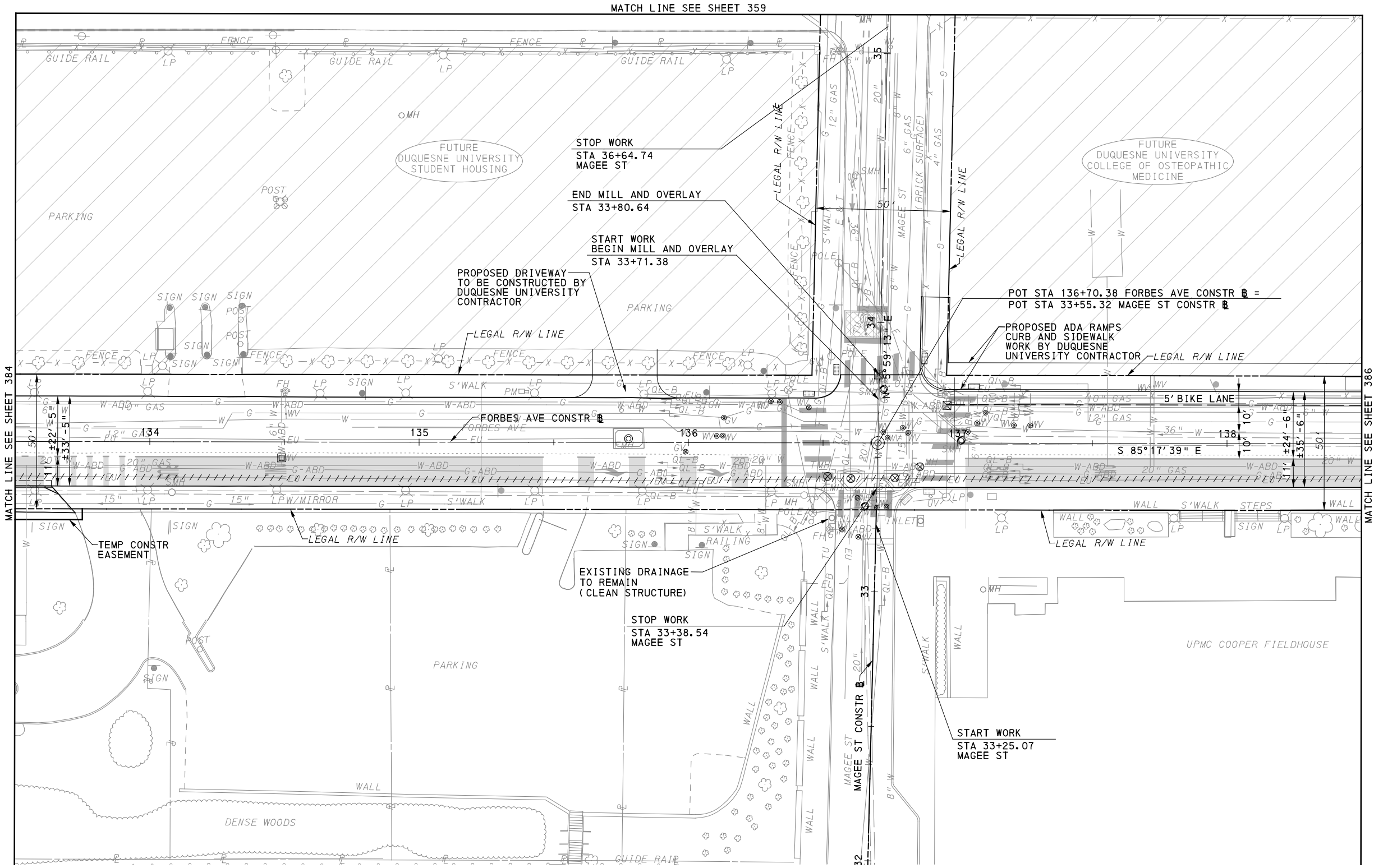
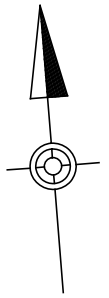
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
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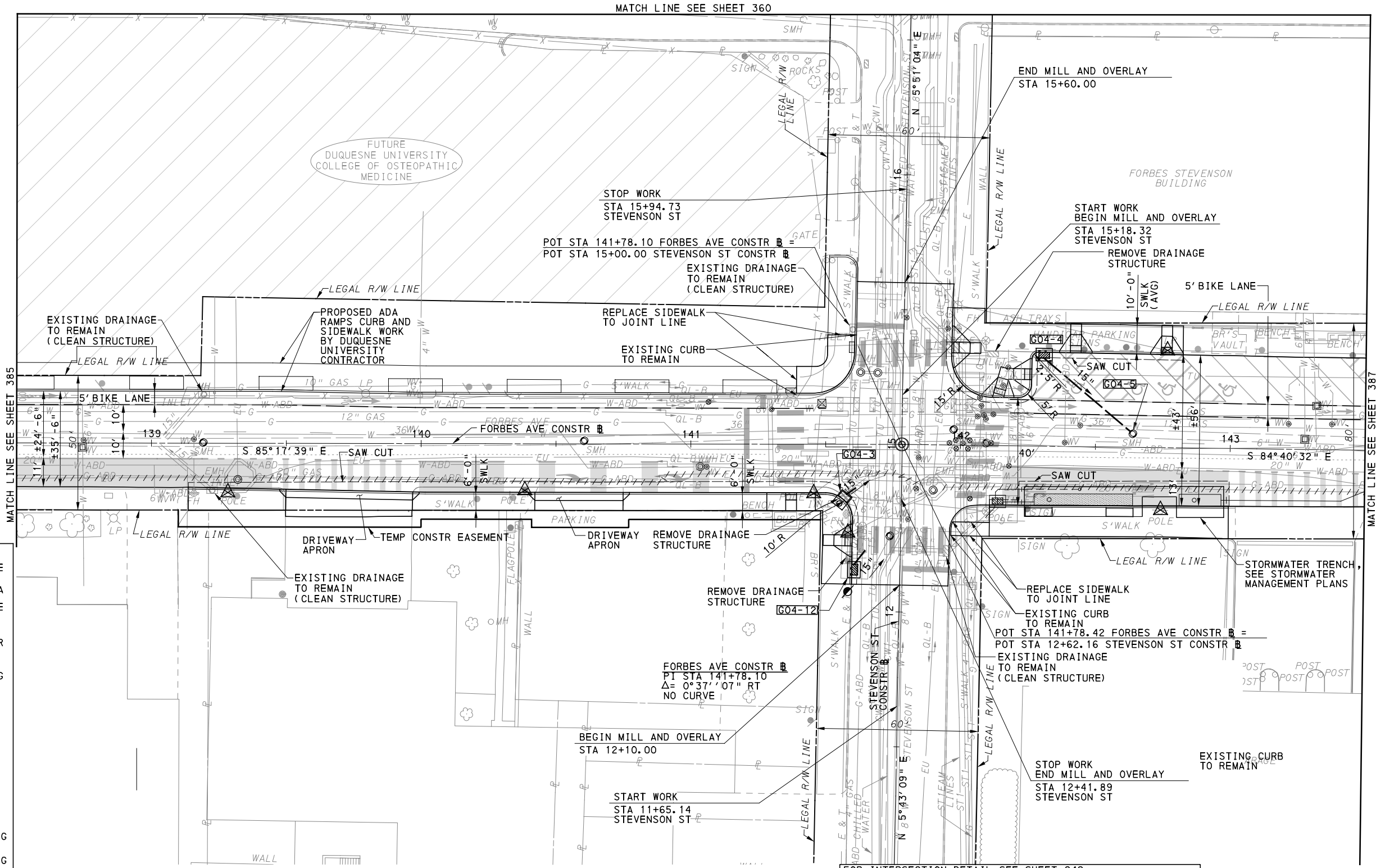
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FORBES AVE - STA 133+50 TO STA 138+50

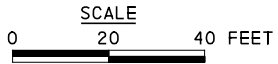
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SHT. 385



LEGEND

	DRAINAGE STRUCTURE IDENTIFICATION
	TRENCH DRAIN, PWSA
	DEDICATED BUS LANE
	LANDSCAPING AREAS
	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
	DETECTABLE WARNING SURFACE
	CURB RAMP
	DIRECTIONAL INDICATOR
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/ UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED



FOR INTERSECTION DETAIL SEE SHEET 242	FOR LANDSCAPING PLAN SEE SHEET 594
FOR CIVIL LAYOUT PLAN SEE SHEET 295	FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 345
FOR PROFILE SEE SHEETS 428 & 438	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 673
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 485	FOR LIGHTING PLAN SEE SHEET 728
FOR UTILITY PLAN SEE SHEET 528	FOR SIGNAL PLAN SEE SHEET 1163
	FOR STORMWATER MANAGEMENT (ALSO PLAN) SEE SHEET 21

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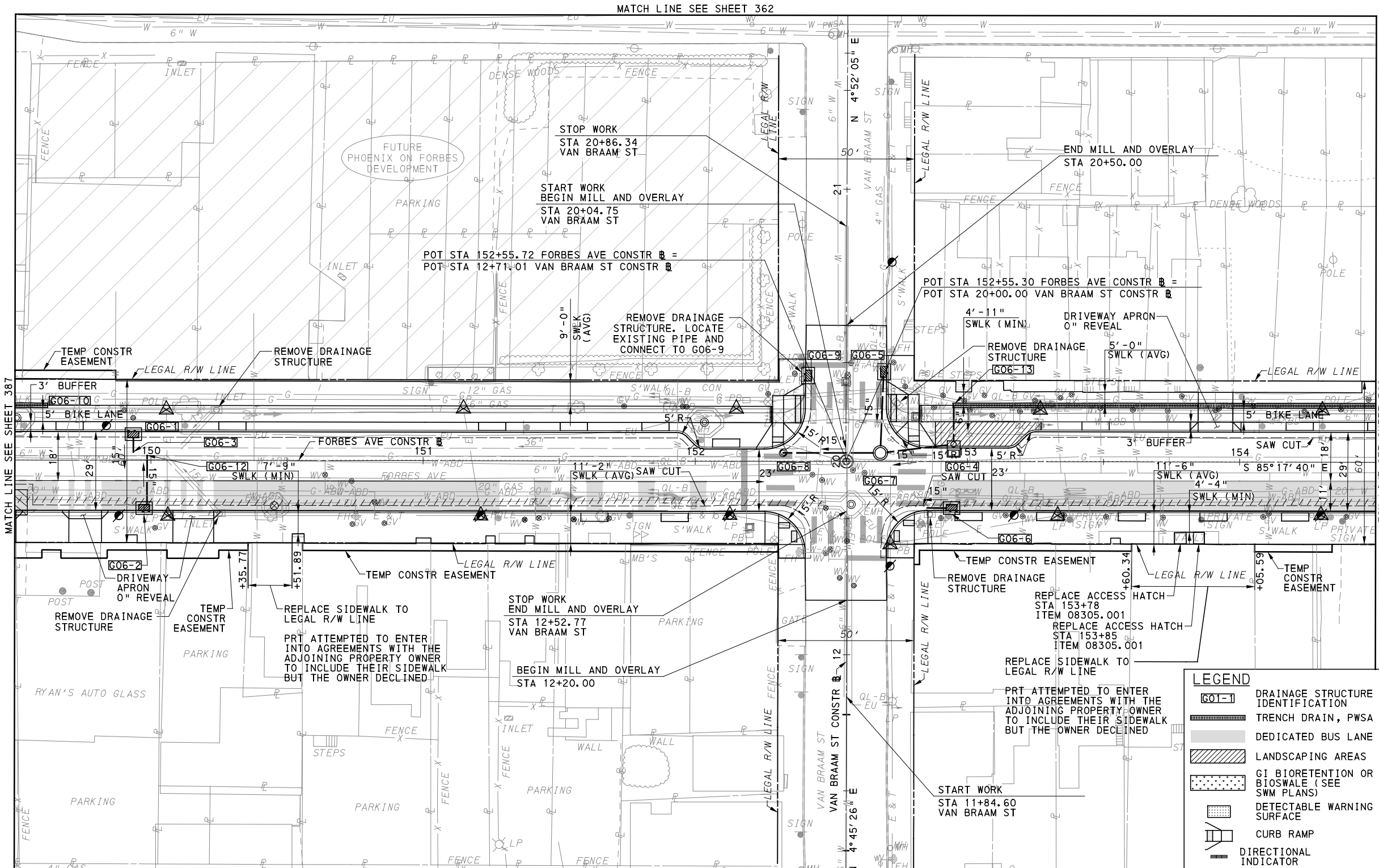
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FORBES AVE - STA 138+50 TO STA 143+50

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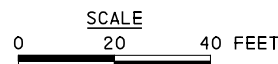
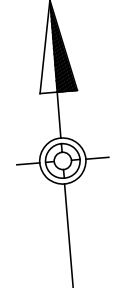
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 DWG. NO. PP30 SHT. 386



MATCH LINE SEE SHEET 362

MATCH LINE SEE SHEET 387

MATCH LINE SEE SHEET 389



FOR INTERSECTION DETAIL SEE SHEET 248	FOR LANDSCAPING PLAN SEE SHEET 596
FOR CIVIL LAYOUT PLAN SEE SHEET 297	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 675
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 347	FOR LIGHTING PLAN SEE SHEET 730
FOR PROFILE SEE SHEETS 430 & 440	FOR CONTROL SYSTEMS PLAN SEE SHEET 903
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 487	FOR SIGNAL PLAN SEE SHEET 1175
FOR UTILITY PLAN SEE SHEET 530	FOR STORMWATER MANAGEMENT (ALSO PLAN) SEE SHEET 24

LEGEND	
[Symbol]	TO BE RELOCATED BY THE UTILITY COMPANY
[Symbol]	RELOCATE EXISTING MANHOLE
[Symbol]	RELOCATE EXISTING PWSA MANHOLE
[Symbol]	GRADE ADJUST EXISTING MANHOLE
[Symbol]	GRADE ADJUST EXISTING PWSA MANHOLE
[Symbol]	GRADE ADJUST EXISTING VALVE/ UTILITY BOX
[Symbol]	RELOCATE EXISTING VALVE/UTILITY BOX
[Symbol]	UTILITY TO BE ABANDONED
[Symbol]	DRAINAGE STRUCTURE IDENTIFICATION
[Symbol]	TRENCH DRAIN, PWSA
[Symbol]	DEDICATED BUS LANE
[Symbol]	LANDSCAPING AREAS
[Symbol]	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
[Symbol]	DETECTABLE WARNING SURFACE
[Symbol]	CURB RAMP
[Symbol]	DIRECTIONAL INDICATOR

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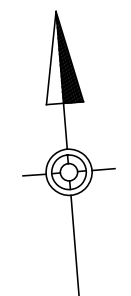
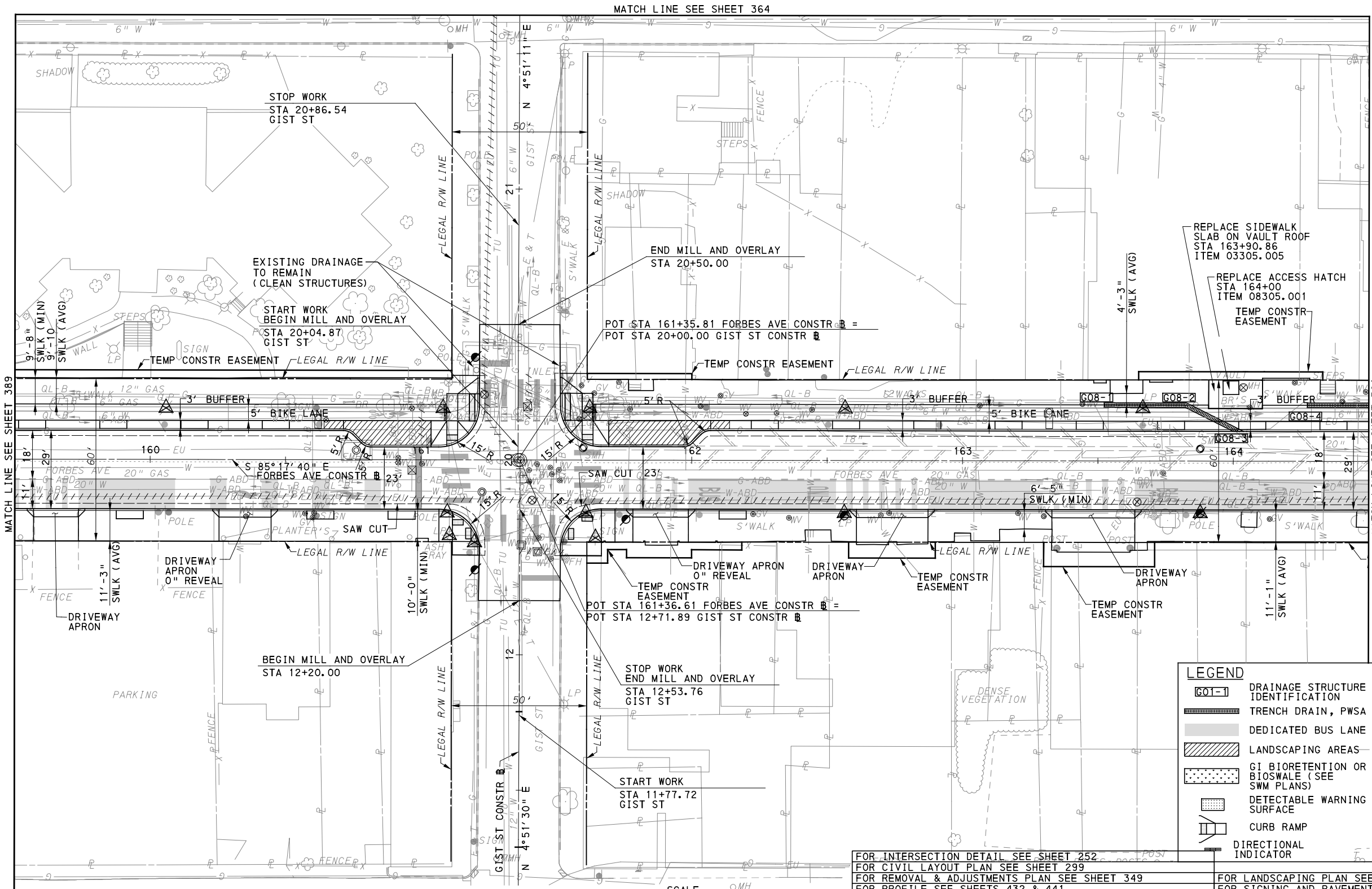
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FORBES AVE - STA 149+50 TO STA 154+50

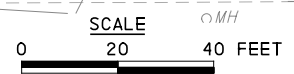
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CONTRACT NO. BRT-001
 DWG. NO. PP32 SHT. 388



LEGEND	
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED

FOR INTERSECTION DETAIL SEE SHEET 252	FOR LANDSCAPING PLAN SEE SHEET 598
FOR CIVIL LAYOUT PLAN SEE SHEET 299	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 677
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 349	FOR LIGHTING PLAN SEE SHEET 732
FOR PROFILE SEE SHEETS 432 & 441	FOR CONTROL SYSTEMS PLAN SEE SHEET 905
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 489	FOR SIGNAL PLAN SEE SHEET 1183
FOR UTILITY PLAN SEE SHEET 532	
PWSA RELOCATION PLAN SEE SHEET 567	



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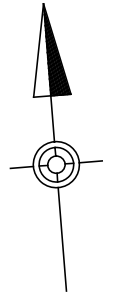
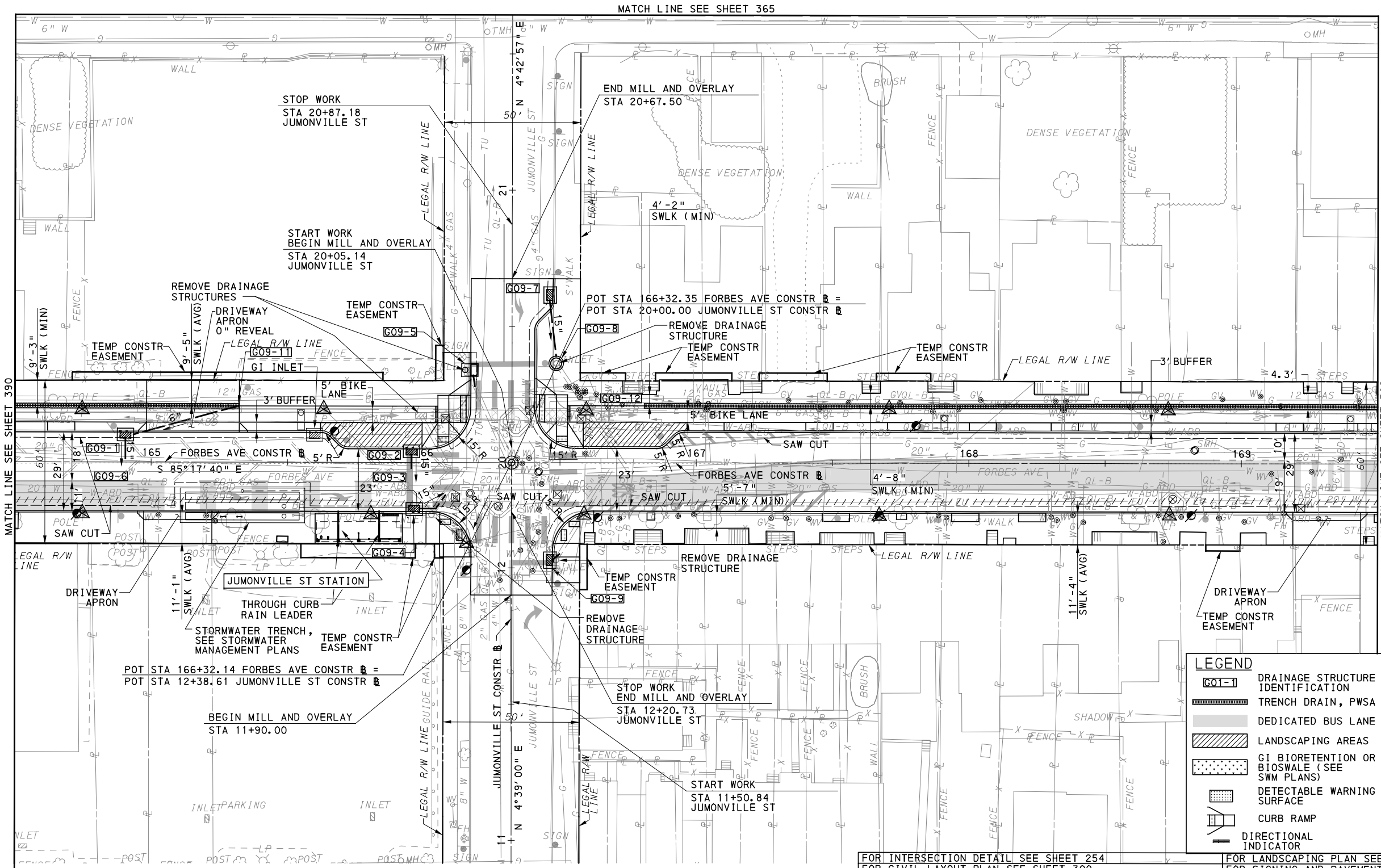
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FORBES AVE - STA 159+50 TO STA 164+50

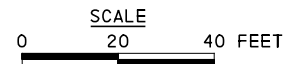
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 DWG. NO. PP34 SHT. 390



LEGEND	
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED

FOR INTERSECTION DETAIL SEE SHEET 254	FOR LANDSCAPING PLAN SEE SHEET 599
FOR CIVIL LAYOUT PLAN SEE SHEET 300	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 678
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 350	FOR LIGHTING PLAN SEE SHEET 733
FOR PROFILE SEE SHEETS 433 & 441	FOR ARCHITECTURAL PLAN SEE SHEET 760
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 490	FOR CONTROL SYSTEMS PLAN SEE SHEET 906
FOR UTILITY PLAN SEE SHEET 533	FOR SIGNAL PLAN SEE SHEET 1187
PWSA RELOCATION PLAN SEE SHEET 568	FOR STORMWATER MANAGEMENT (ALSO PLAN) SEE SHEET 26



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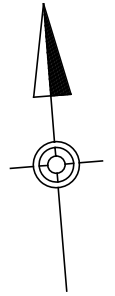
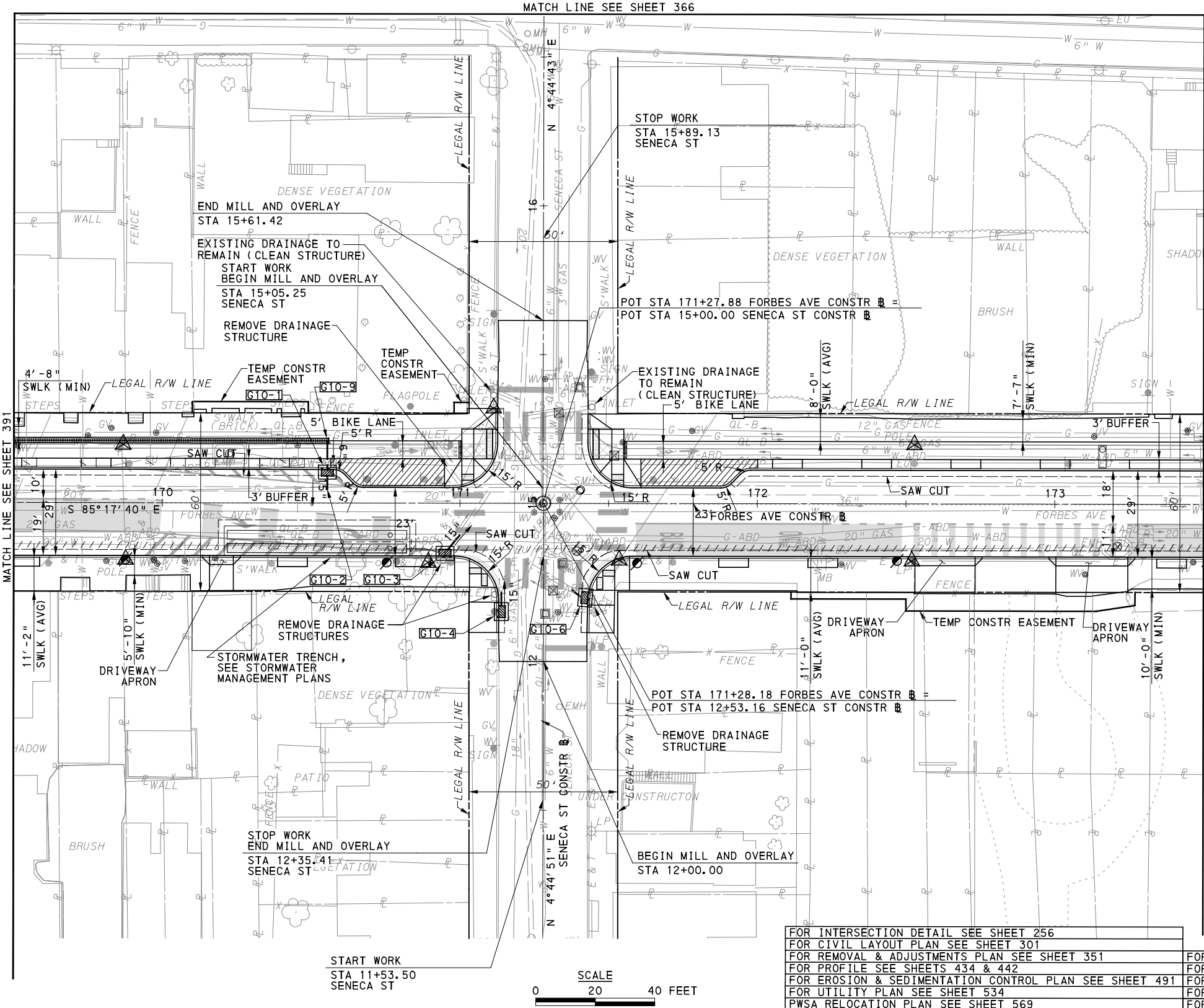
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS FORBES AVE - STA 164+50 TO STA 169+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. PP35	SHT. 391



LEGEND	
[G10-1]	DRAINAGE STRUCTURE IDENTIFICATION
[Symbol]	TRENCH DRAIN, PWSA
[Symbol]	DEDICATED BUS LANE
[Symbol]	LANDSCAPING AREAS
[Symbol]	G1 BIORETENTION OR BIOSWALE (SEE SWM PLANS)
[Symbol]	DETECTABLE WARNING SURFACE
[Symbol]	CURB RAMP
[Symbol]	DIRECTIONAL INDICATOR
[Symbol]	TO BE RELOCATED BY THE UTILITY COMPANY
[Symbol]	RELOCATE EXISTING MANHOLE
[Symbol]	RELOCATE EXISTING PWSA MANHOLE
[Symbol]	GRADE ADJUST EXISTING MANHOLE
[Symbol]	GRADE ADJUST EXISTING PWSA MANHOLE
[Symbol]	GRADE ADJUST EXISTING VALVE/UTILITY BOX
[Symbol]	RELOCATE EXISTING VALVE/UTILITY BOX
[Symbol]	UTILITY TO BE ABANDONED

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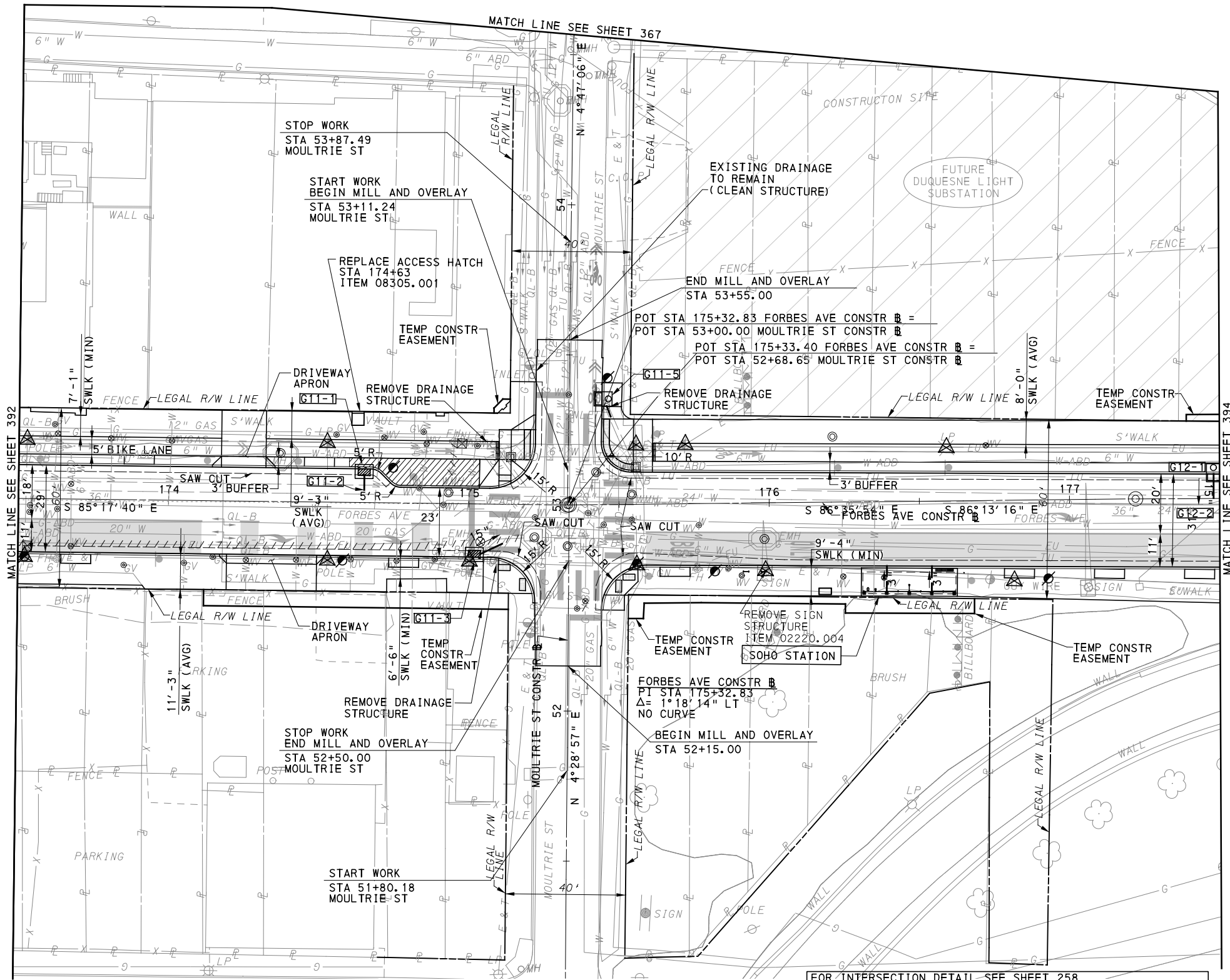
NO.	DATE	DESCRIPTION
REVISIONS		

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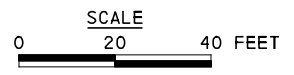
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IN CHARGE	GEC
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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FORBES AVE - STA 169+50 TO STA 173+50
Port Authority connecting people to life
 CONTRACT NO. BRT-001
 DWG. NO. PP36 SHT. 392



LEGEND	
	DRAINAGE STRUCTURE IDENTIFICATION
	TRENCH DRAIN, PWSA
	DEDICATED BUS LANE
	LANDSCAPING AREAS
	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
	DETECTABLE WARNING SURFACE
	CURB RAMP
	DIRECTIONAL INDICATOR
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED



FOR INTERSECTION DETAIL SEE SHEET 258	FOR LANDSCAPING PLAN SEE SHEET 601
FOR CIVIL LAYOUT PLAN SEE SHEET 302	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 680
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 352	FOR LIGHTING PLAN SEE SHEET 735
FOR PROFILE SEE SHEETS 435 & 442	FOR ARCHITECTURAL PLAN SEE SHEET 761
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 492	FOR CONTROL SYSTEMS PLAN SEE SHEET 908
FOR UTILITY PLAN SEE SHEET 535	FOR SIGNAL PLAN SEE SHEET 1191
PWSA RELOCATION PLAN SEE SHEET 570	

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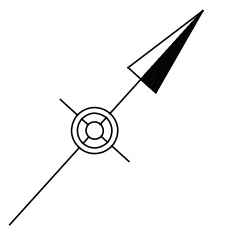
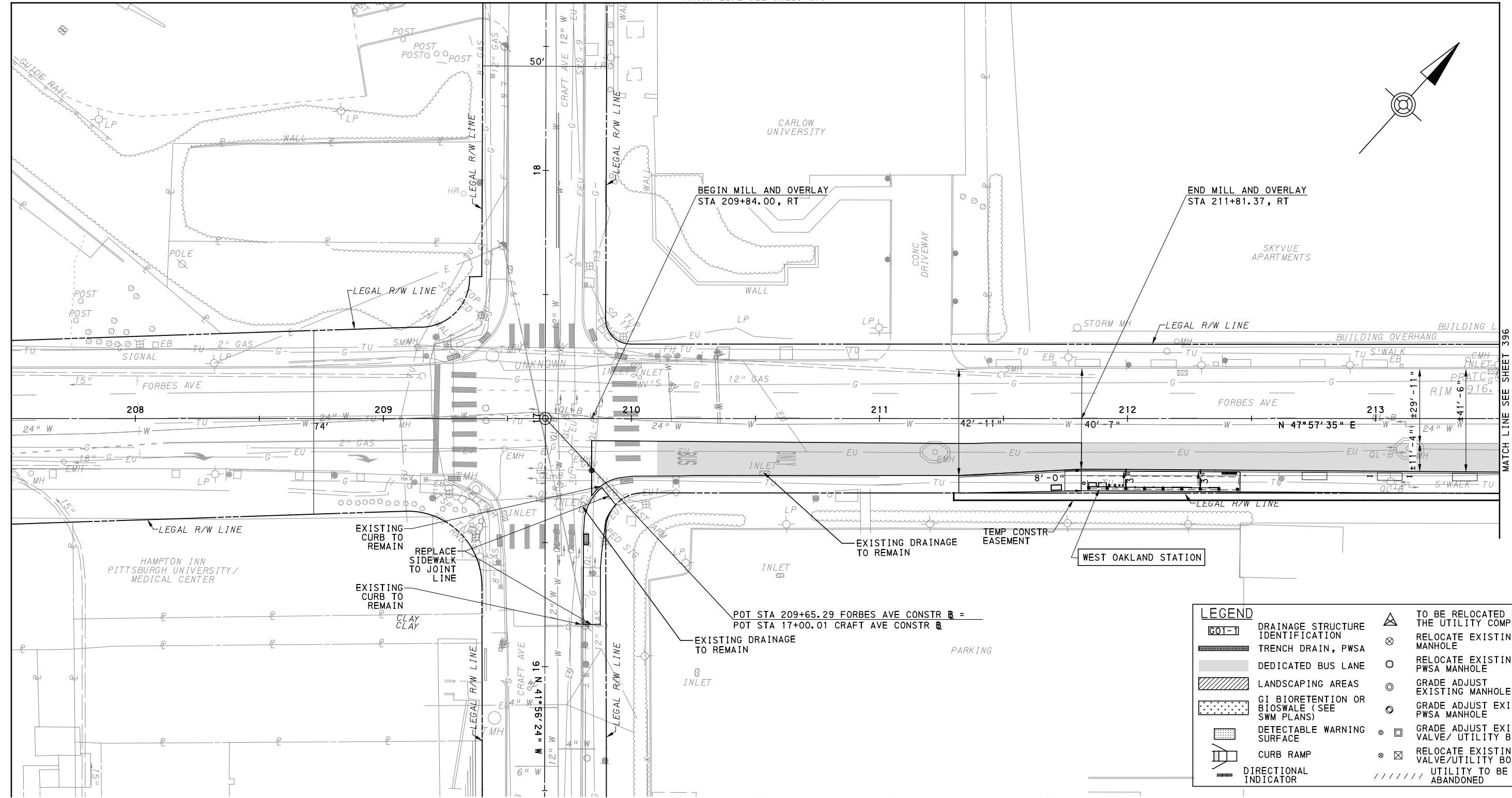
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FORBES AVE - STA 173+50 TO STA 177+50

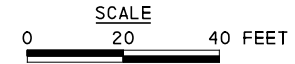
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CONTRACT NO. BRT-001
 DWG. NO. PP37 SHT. 393

MATCH LINE SEE SHEET 373



LEGEND	
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED



FOR LANDSCAPING PLAN SEE SHEET 602
 FOR CIVIL LAYOUT PLAN SEE SHEET 304
 FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 353
 FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 494
 FOR UTILITY PLAN SEE SHEET 542
 FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 684
 FOR LIGHTING PLAN SEE SHEET 737
 FOR ARCHITECTURAL PLAN SEE SHEET 762
 FOR CONTROL SYSTEMS PLAN SEE SHEET 910

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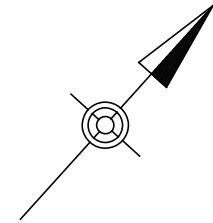
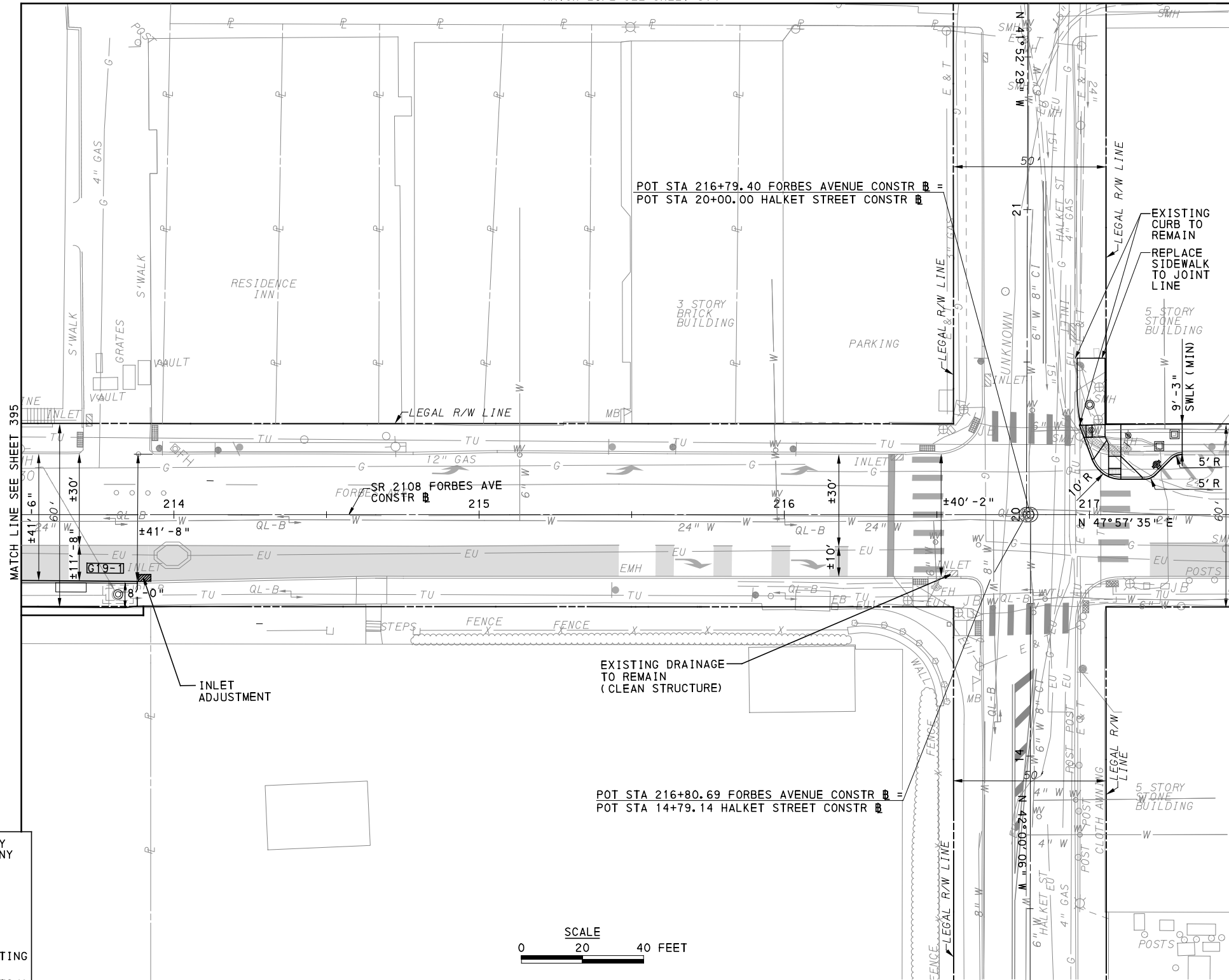
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH, PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FORBES AVE - STA 207+50 TO STA 213+50

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CONTRACT NO. BRT-001
 DWG. NO. PP39 SHT. 395

MATCH LINE SEE SHEET 374



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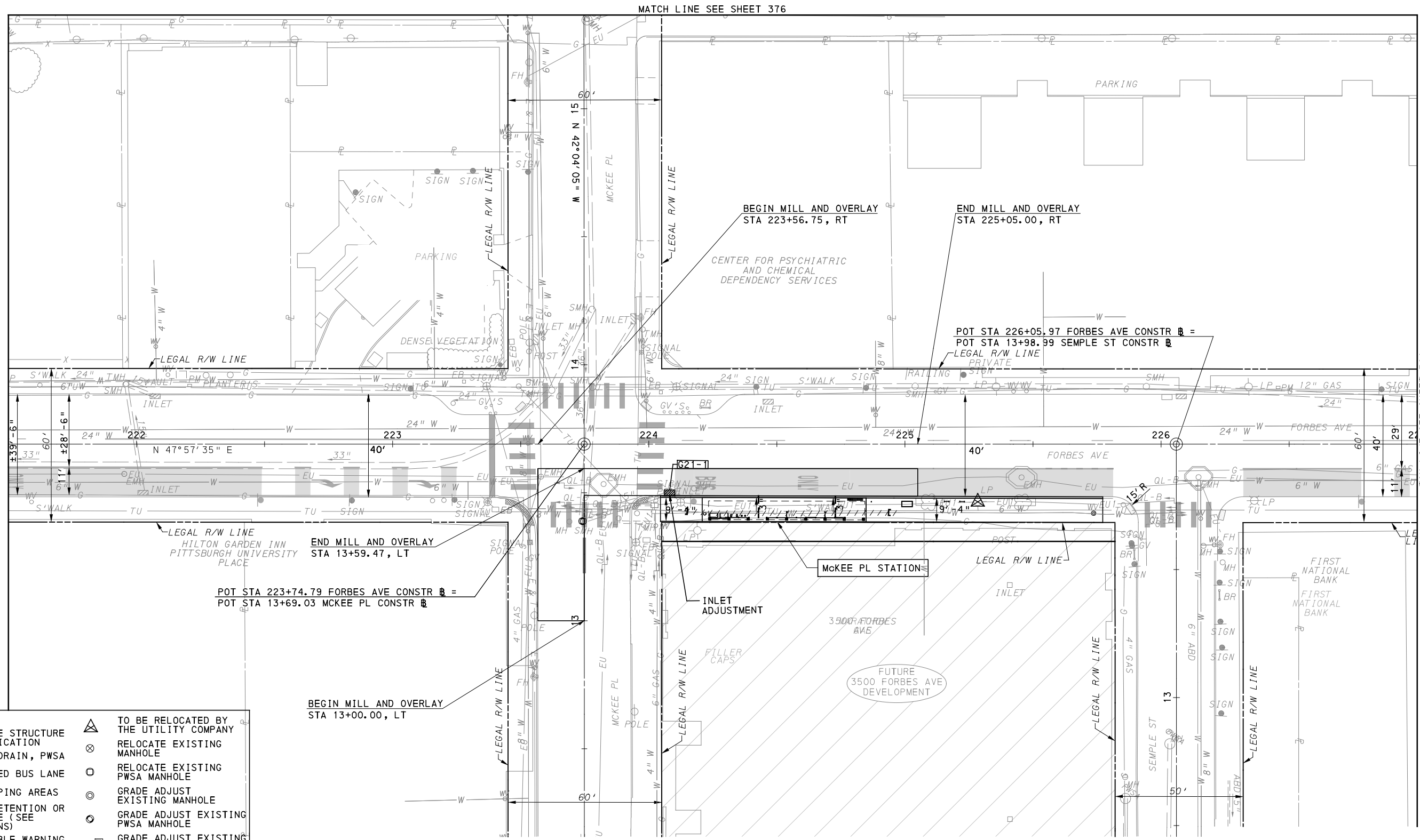
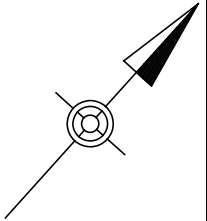
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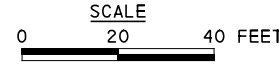
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS FORBES AVE - STA 213+50 TO STA 217+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. PP40	SHT. 396



LEGEND	
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/ UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED



FOR CIVIL LAYOUT PLAN SEE SHEET 306	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 687
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 355	FOR LIGHTING PLAN SEE SHEET 739
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 496	FOR ARCHITECTURAL PLAN SEE SHEET 763
FOR UTILITY PLAN SEE SHEET 545	FOR CONTROL SYSTEMS PLAN SEE SHEET 911
PWSA RELOCATION PLAN SEE SHEET 571	

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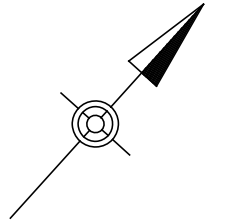
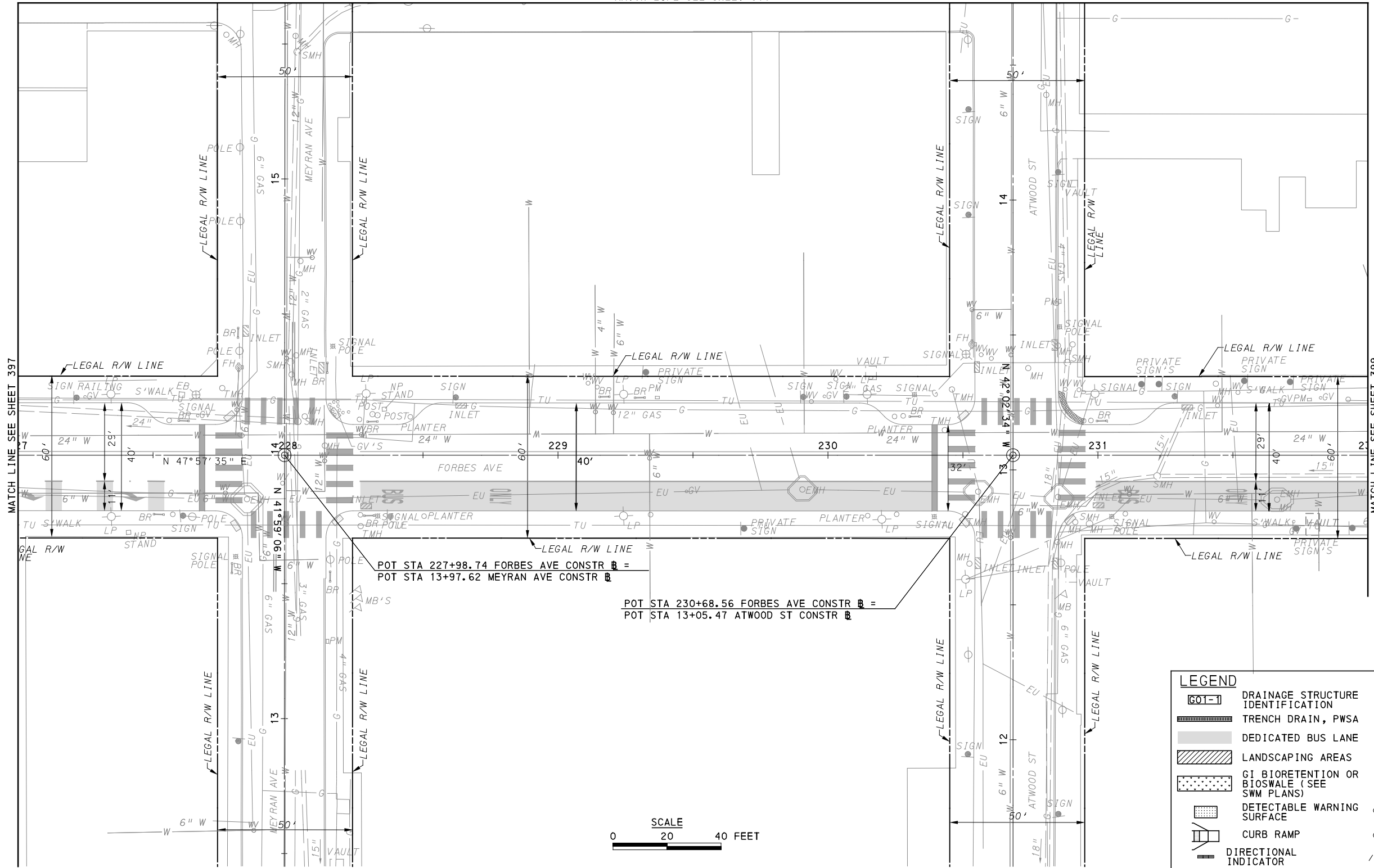
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BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
 FORBES AVE - STA 221+50 TO STA 227+00

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CONTRACT NO. BRT-001
 DWG. NO. PP41 SHT. 397

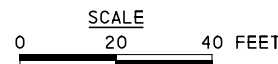
MATCH LINE SEE SHEET 376



MATCH LINE SEE SHEET 397

MATCH LINE SEE SHEET 399

POT STA 227+98.74 FORBES AVE CONSTR B =
 POT STA 13+97.62 MEYRAN AVE CONSTR B
 POT STA 230+68.56 FORBES AVE CONSTR B =
 POT STA 13+05.47 ATWOOD ST CONSTR B



LEGEND	
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/ UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED

FOR UTILITY PLAN SEE SHEET 546

FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 688

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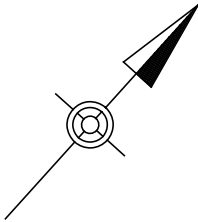
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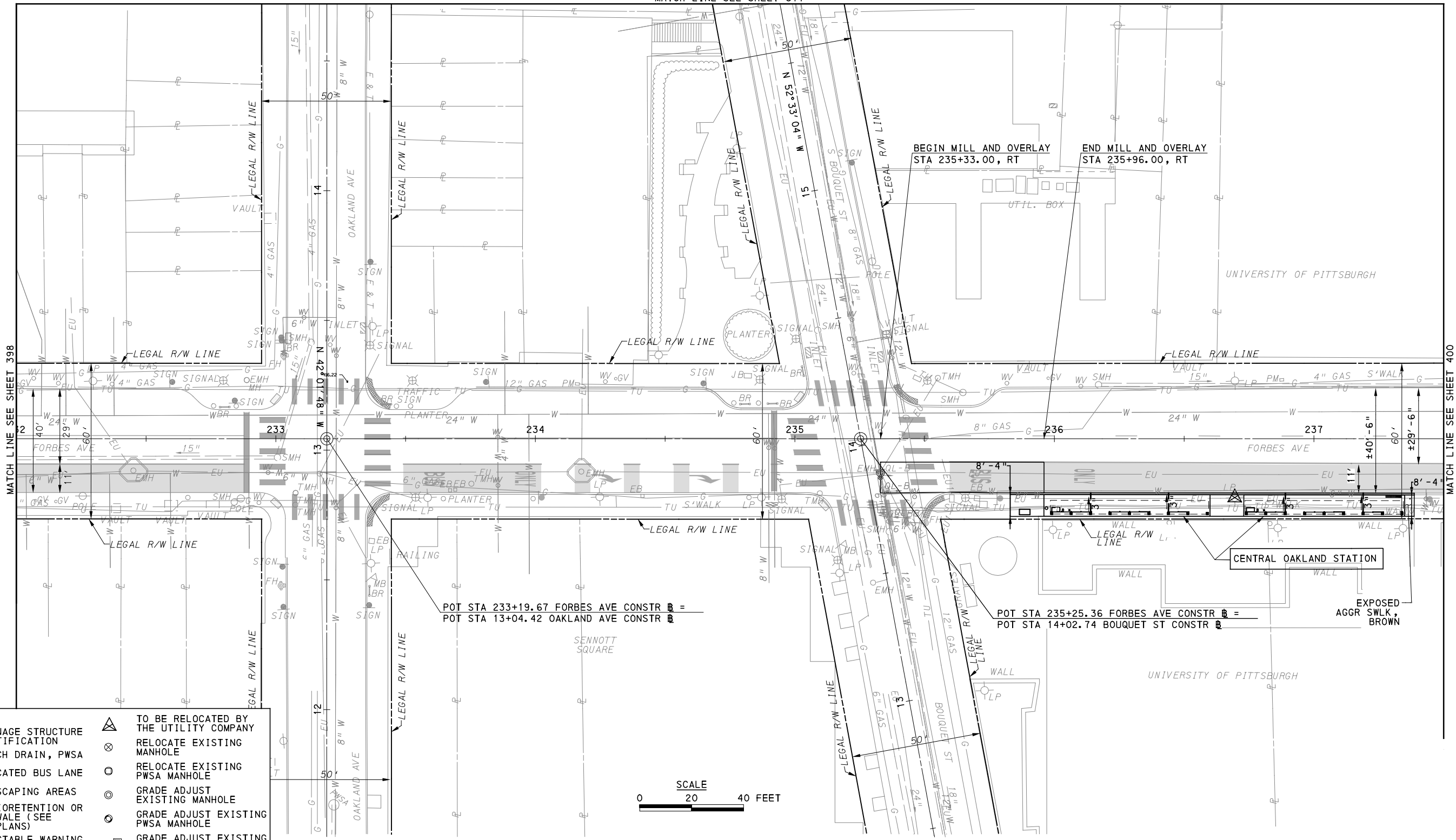
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS FORBES AVE - STA 227+00 TO STA 232+00	
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DWG. NO. PP42	SHT. 398



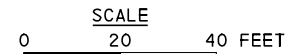
MATCH LINE SEE SHEET 377



MATCH LINE SEE SHEET 398

MATCH LINE SEE SHEET 400

LEGEND	
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/ UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED



FOR CIVIL LAYOUT PLAN SEE SHEET 307
 FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 497
 FOR UTILITY PLAN SEE SHEET 547
 FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 689
 FOR LIGHTING PLAN SEE SHEET 740
 FOR ARCHITECTURAL PLAN SEE SHEETS 764 - 765
 FOR CONTROL SYSTEMS PLAN SEE SHEET 912

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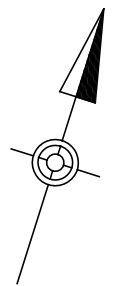
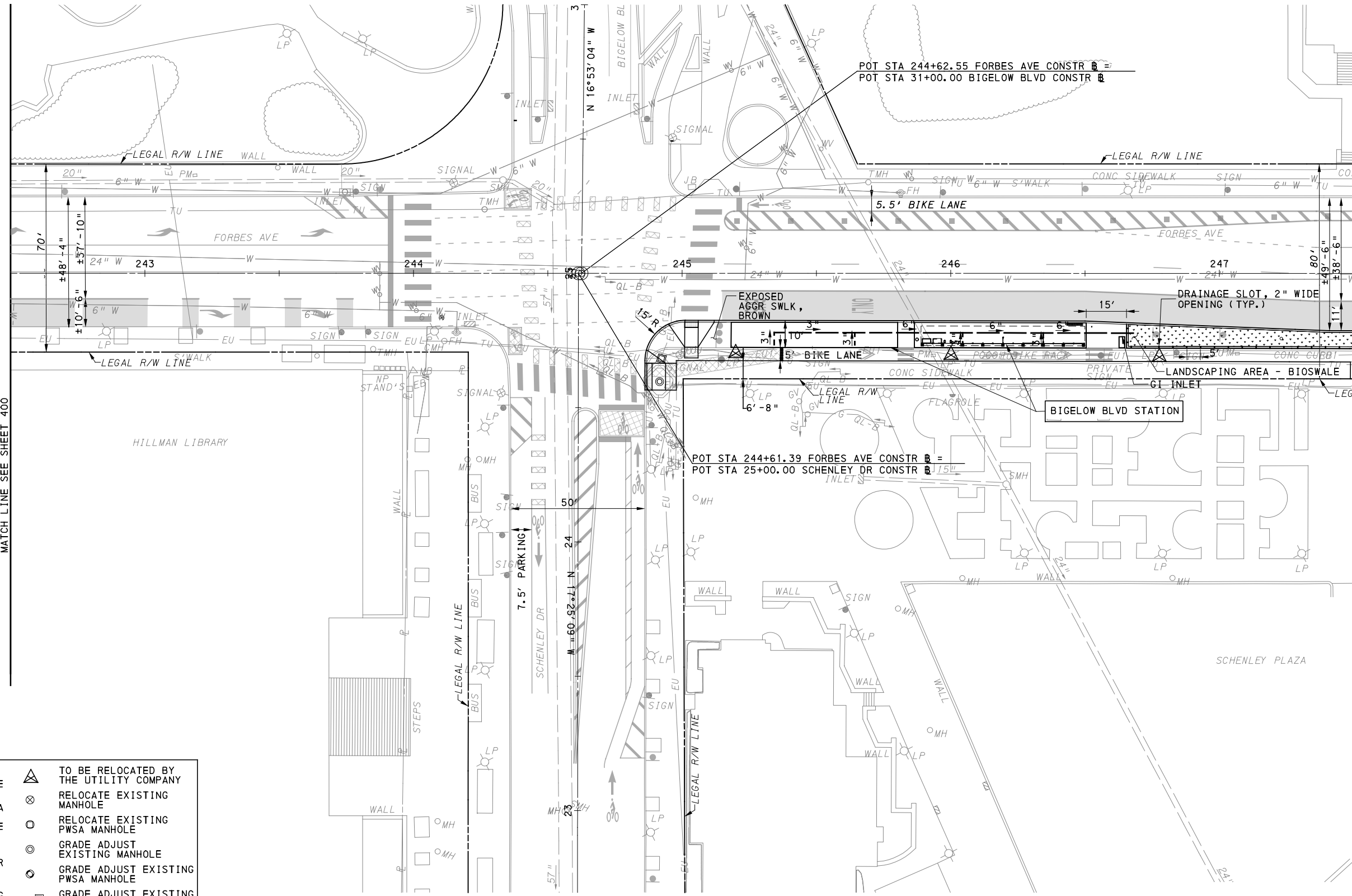
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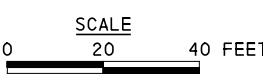
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 FORBES AVE - STA 232+00 TO STA 237+50

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CONTRACT NO. BRT-001
 DWG. NO. PP43 SHT. 399



LEGEND	
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/ UTILITY BOX
	RELOCATE EXISTING VALVE/UTILITY BOX
	UTILITY TO BE ABANDONED



FOR INTERSECTION DETAIL SEE SHEET 264	FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 691
FOR CIVIL LAYOUT PLAN SEE SHEET 308	FOR LIGHTING PLAN SEE SHEET 741
FOR REMOVAL & ADJUSTMENTS PLAN SEE SHEET 356	FOR ARCHITECTURAL PLAN SEE SHEETS 766 - 767
FOR EROSION & SEDIMENTATION CONTROL PLAN SEE SHEET 498	FOR CONTROL SYSTEMS PLAN SEE SHEET 913
FOR UTILITY PLAN SEE SHEET 549	FOR STORMWATER MANAGEMENT (ALSO PLAN) SEE SHEET 28

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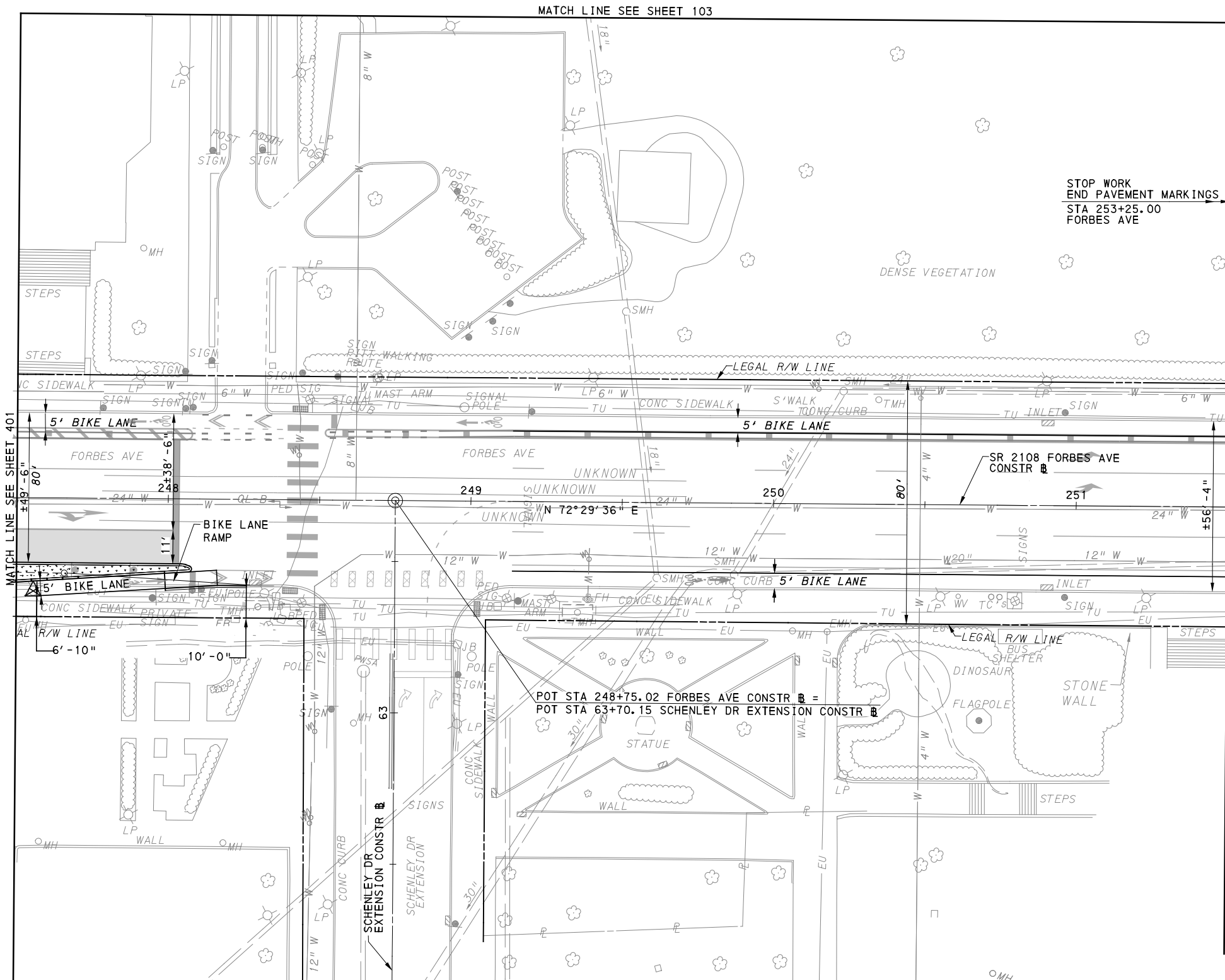
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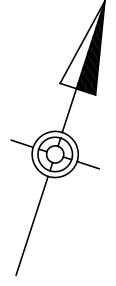
PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH, PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS FORBES AVE - STA 242+50 TO STA 247+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. PP45	SHT. 401



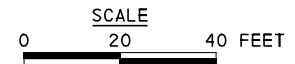
MATCH LINE SEE SHEET 103

MATCH LINE SEE SHEET 401

STOP WORK
END PAVEMENT MARKINGS
STA 253+25.00
FORBES AVE



LEGEND	
	DRAINAGE STRUCTURE IDENTIFICATION
	TRENCH DRAIN, PWSA
	DEDICATED BUS LANE
	LANDSCAPING AREAS
	GI BIORETENTION OR BIOSWALE (SEE SWM PLANS)
	DETECTABLE WARNING SURFACE
	CURB RAMP
	DIRECTIONAL INDICATOR
	TO BE RELOCATED BY THE UTILITY COMPANY
	RELOCATE EXISTING MANHOLE
	RELOCATE EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING MANHOLE
	GRADE ADJUST EXISTING PWSA MANHOLE
	GRADE ADJUST EXISTING VALVE/ UTILITY BOX
	RELOCATE EXISTING VALVE/ UTILITY BOX
	UTILITY TO BE ABANDONED



FOR INTERSECTION DETAIL SEE SHEET 266
FOR CIVIL LAYOUT PLAN SEE SHEET 309
FOR UTILITY PLAN SEE SHEET 550

FOR SIGNING AND PAVEMENT MARKING PLAN SEE SHEET 692
FOR LIGHTING PLAN SEE SHEET 742
FOR SIGNAL PLAN SEE SHEET 1202

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5th Floor
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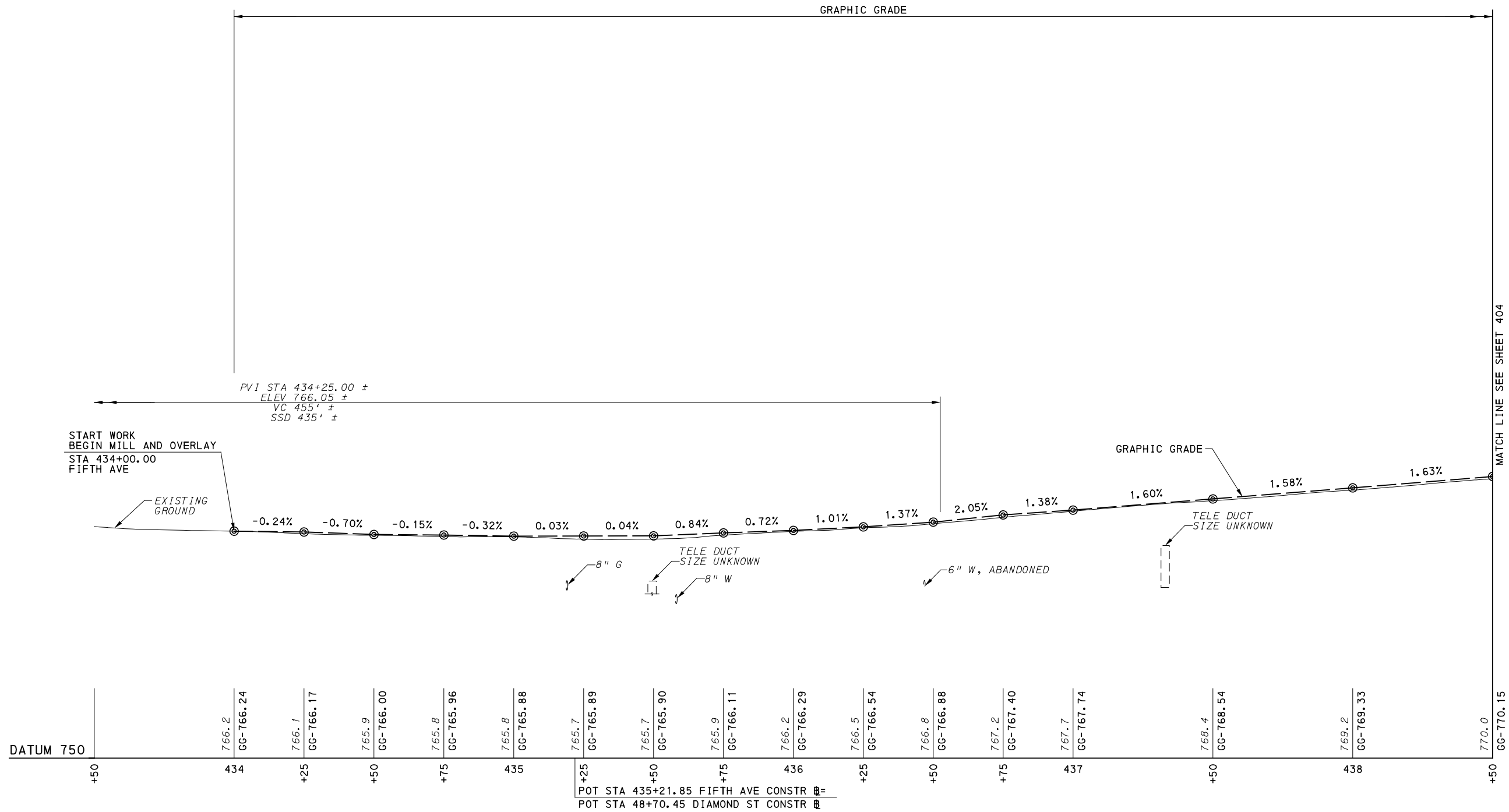
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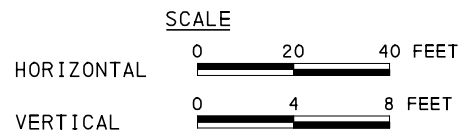
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PLANS
FORBES AVE - STA 247+50 TO STA 251+50

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FIFTH AVE



[FOR ROADWAY PLAN SEE SHEET 357]



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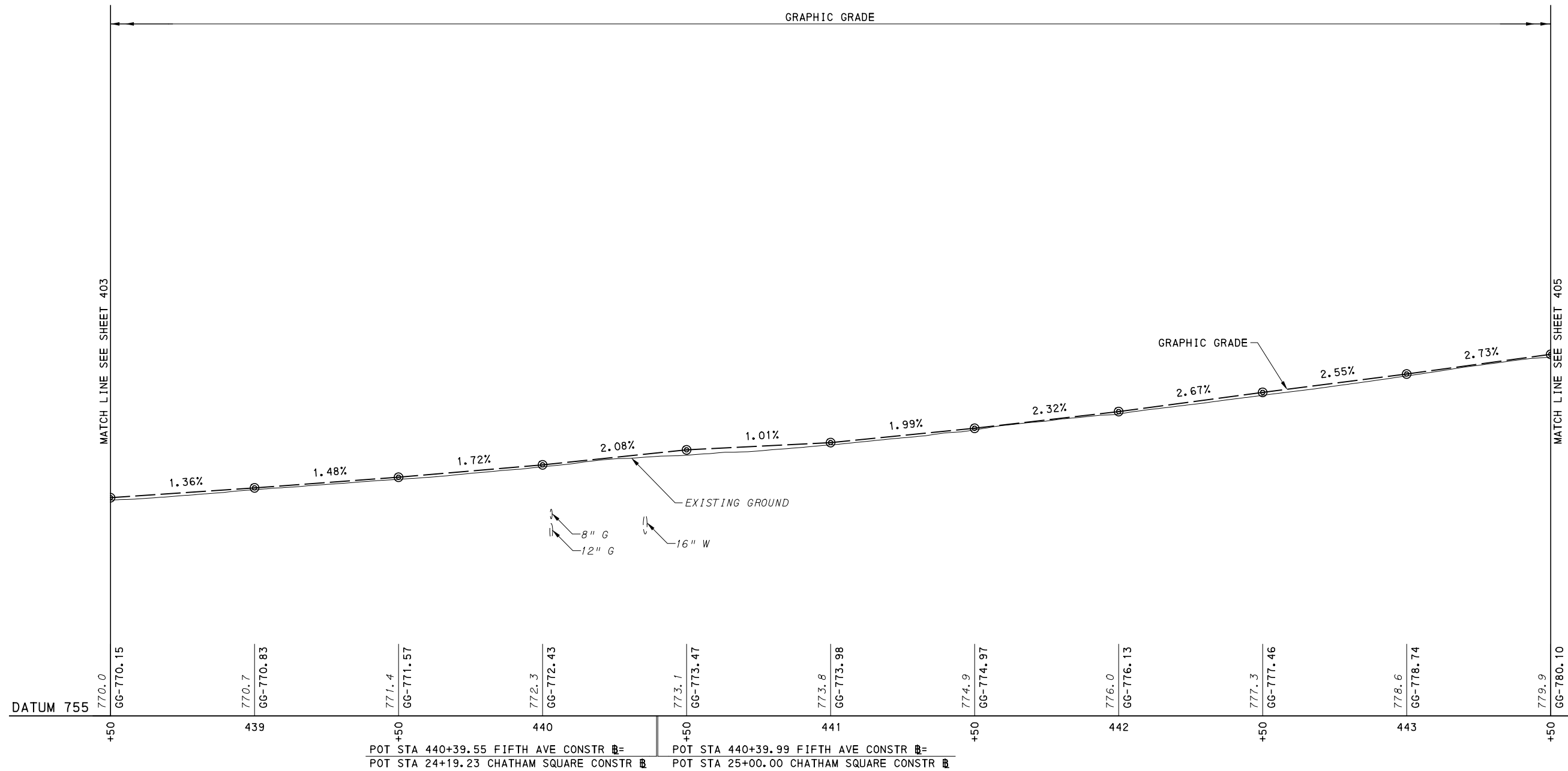
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FIFTH AVE - STA 433+50 TO STA 438+50

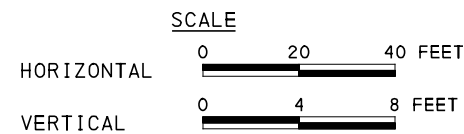
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CONTRACT NO. BRT-001

DWG. NO. PP47 SHT. 403



FIFTH AVE



[FOR ROADWAY PLAN SEE SHEET 358]

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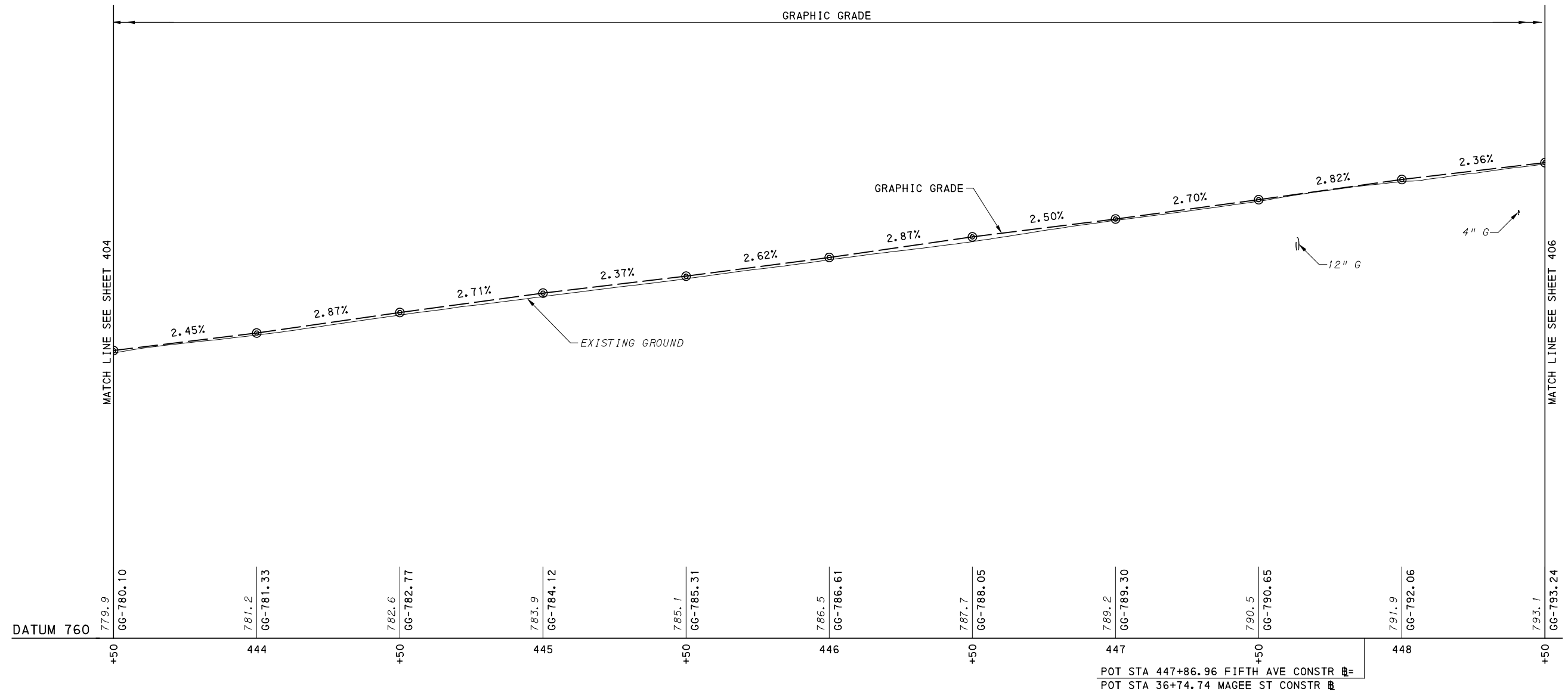
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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

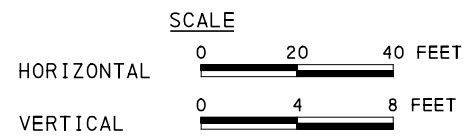
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FIFTH AVE - STA 438+50 TO STA 443+50

Port Authority
 connecting people to life™

CONTRACT NO. BRT-001
DWG. NO. PP48
SHT. 404



FIFTH AVE



[FOR ROADWAY PLAN SEE SHEET 359]



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Pittsburgh, PA 15219

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(NOT FOR CONSTRUCTION)

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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

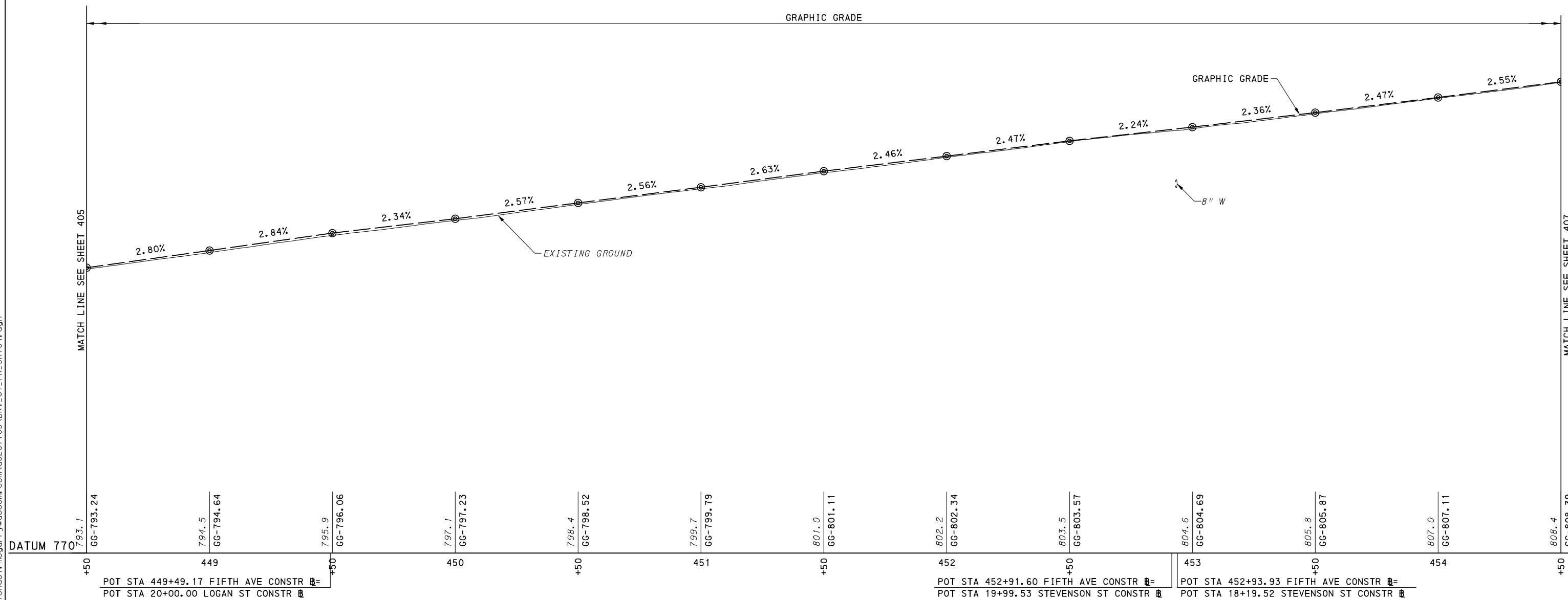
PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
ROADWAY PROFILE
FIFTH AVE - STA 443+50 TO STA 448+50



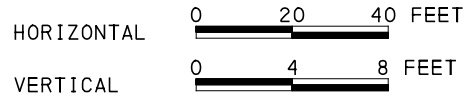
CONTRACT NO. BRT-001

DWG. NO. PP49 SHT. 405



FIFTH AVE

SCALE



FOR ROADWAY PLAN SEE SHEET 360



NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

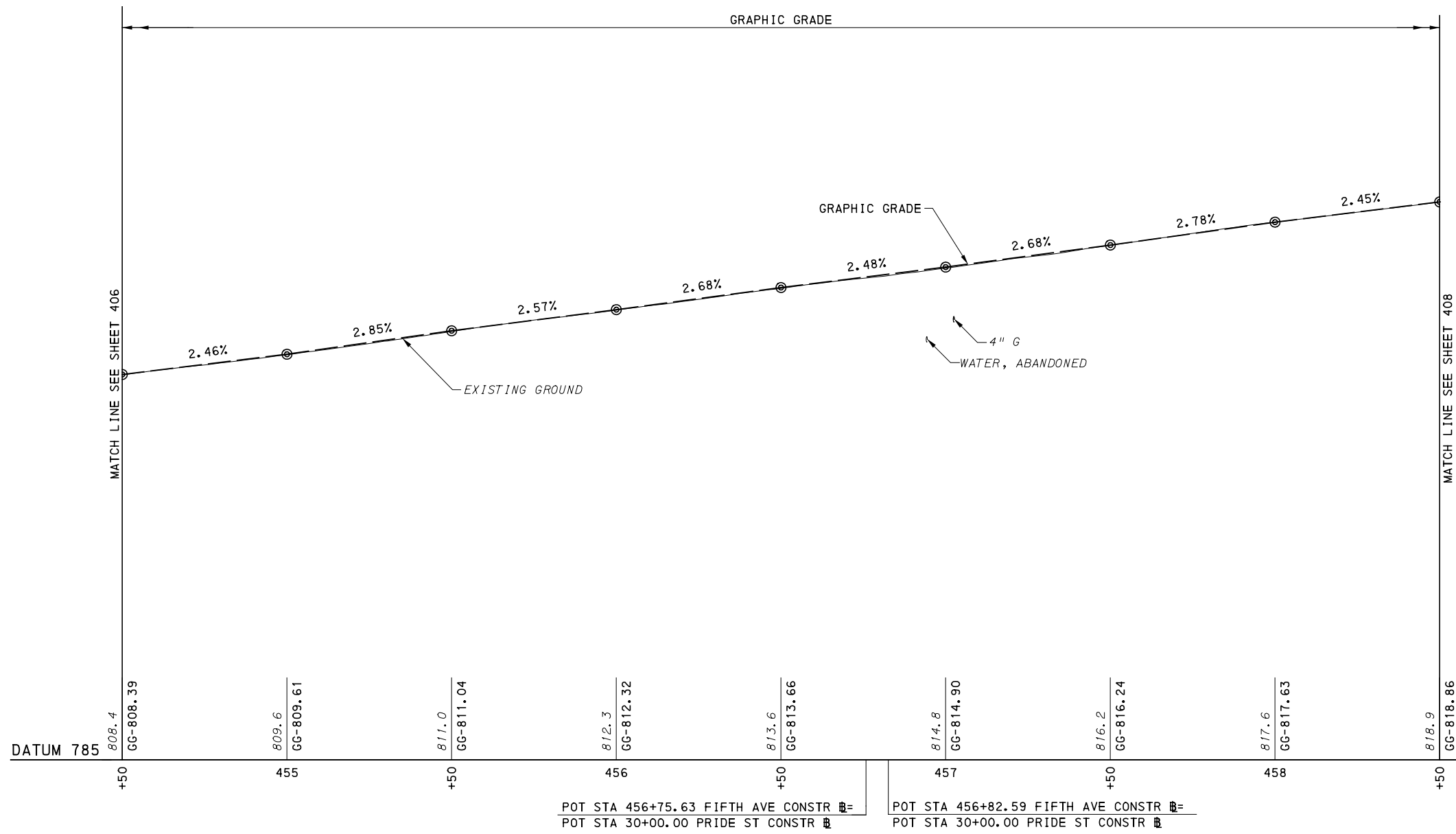
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

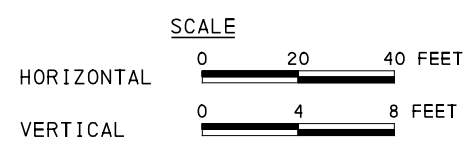
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FIFTH AVE - STA 448+50 TO STA 454+50

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CONTRACT NO. BRT-001
 DWG. NO. PP50 SHT. 406



FIFTH AVE
 POT STA 456+75.63 FIFTH AVE CONSTR =
 POT STA 30+00.00 PRIDE ST CONSTR =



[FOR ROADWAY PLAN SEE SHEET 361]

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 5th Floor
 Pittsburgh, PA 15219

NO.	DATE	DESCRIPTION
REVISIONS		

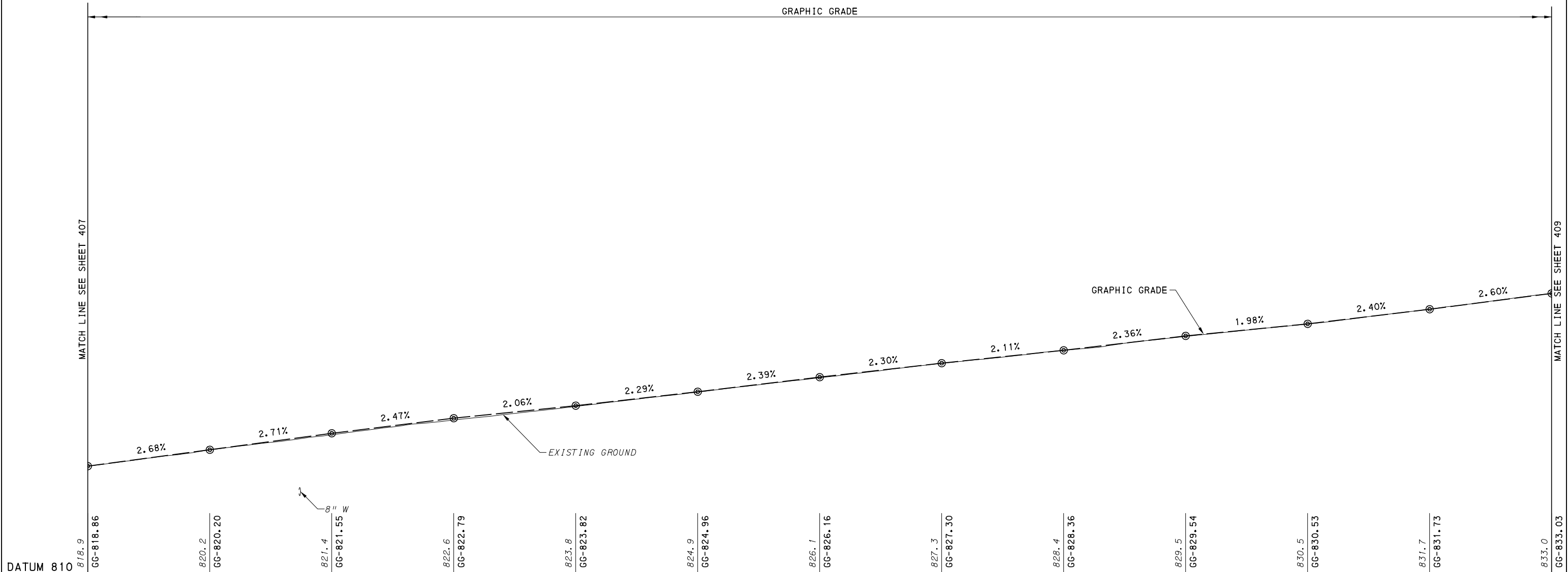
THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE FEDERAL TRANSIT ADMINISTRATION, U.S. DEPARTMENT OF TRANSPORTATION, UNDER THE URBAN MASS TRANSPORTATION ACT OF 1984, AS AMENDED, FOR THE PORT AUTHORITY OF ALLEGHENY COUNTY, PENNSYLVANIA.

(NOT FOR CONSTRUCTION)

DESIGNED	SDS
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CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

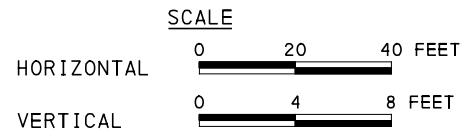
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA
 BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FIFTH AVE - STA 454+50 TO STA 458+50

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 DWG. NO. PP51 SHT. 407



+50	459	+50	460	+50	461	+50	462	+50	463	+50	464	+50
		POT STA 459+40.98 FIFTH AVE CONSTR		POT STA 459+75.80 FIFTH AVE CONSTR		POT STA 30+00.00 VINE ST CONSTR		POT STA 463+65.63 FIFTH AVE CONSTR		POT STA 23+23.93 VAN BRAAM ST CONSTR		
		POT STA 23+15.41 MARION ST CONSTR										

FIFTH AVE



[FOR ROADWAY PLAN SEE SHEET 362]



NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

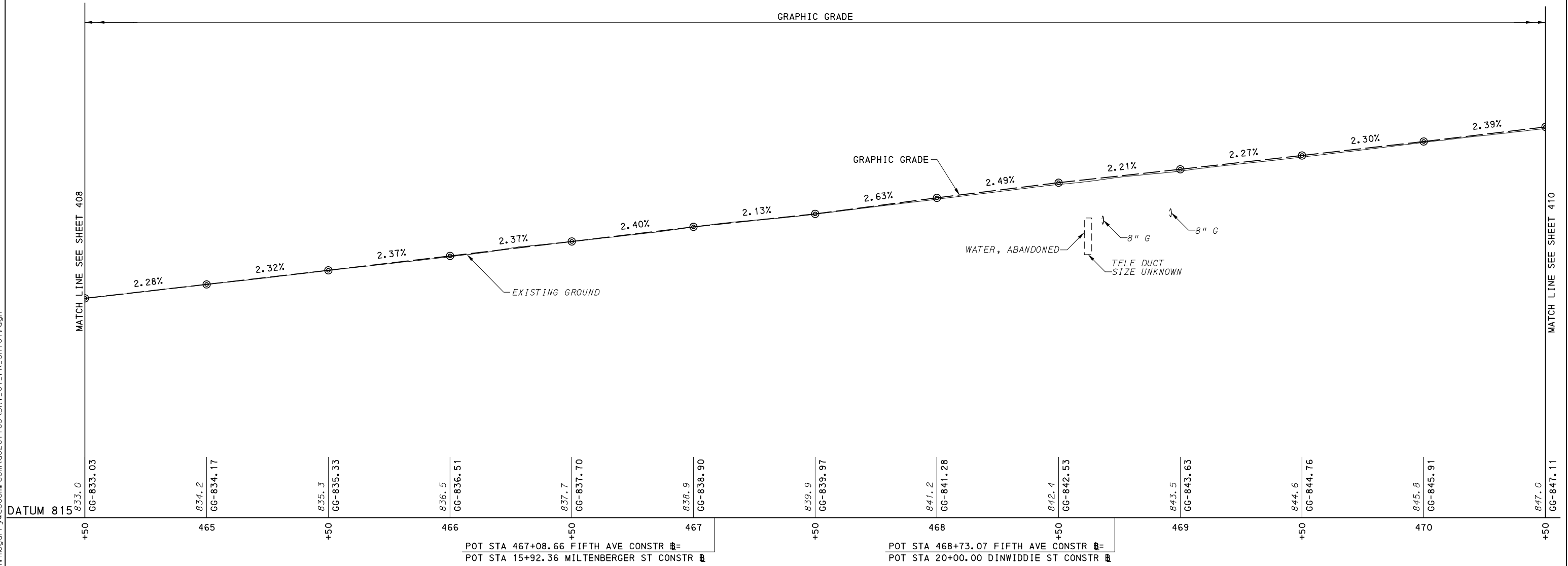
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

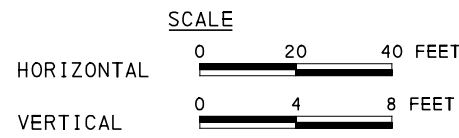
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FIFTH AVE - STA 458+50 TO STA 464+50

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DWG. NO. PP52	SHT. 408



FIFTH AVE



[FOR ROADWAY PLAN SEE SHEET 363]



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(NOT FOR CONSTRUCTION)

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CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

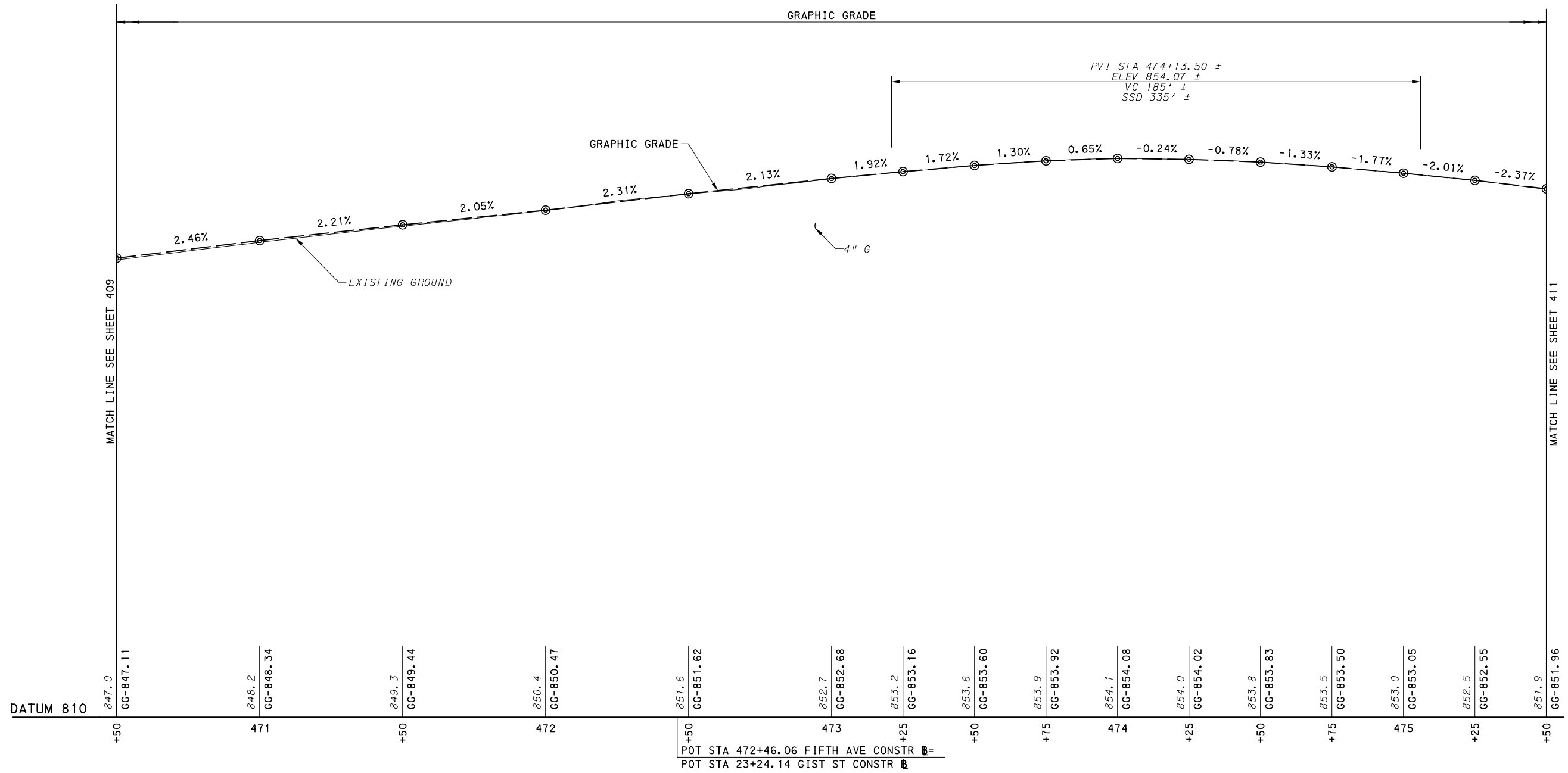
PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
ROADWAY PROFILE
FIFTH AVE - STA 464+50 TO STA 470+50

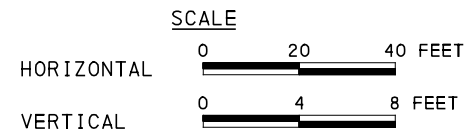
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DWG. NO. PP53 SHT. 409



FIFTH AVE



[FOR ROADWAY PLAN SEE SHEET 364]



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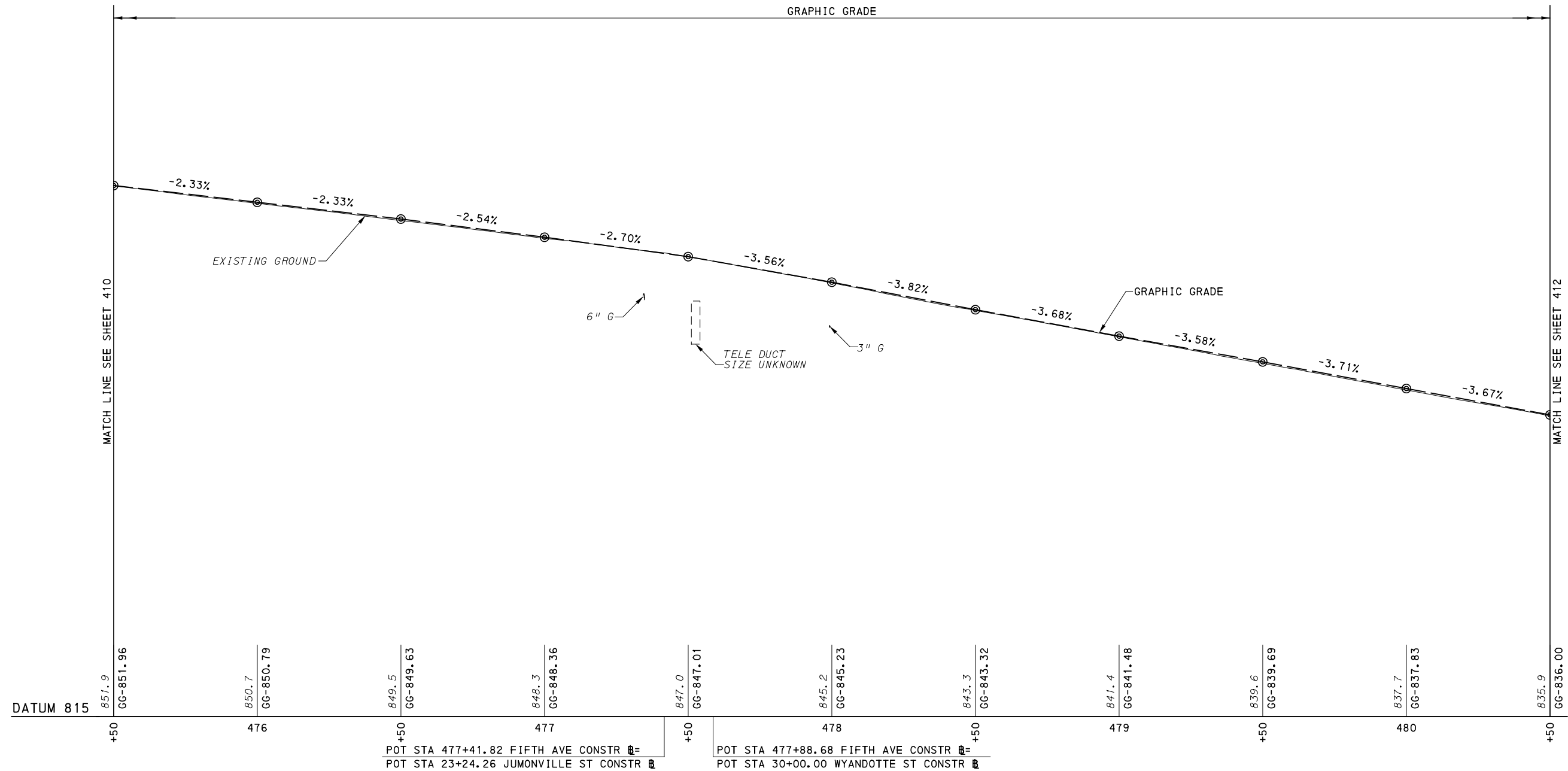
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REVISIONS		

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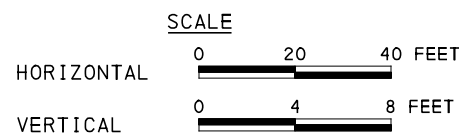
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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PROFILE FIFTH AVE - STA 470+50 TO STA 475+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. PP54



FIFTH AVE



[FOR ROADWAY PLAN SEE SHEET 365]



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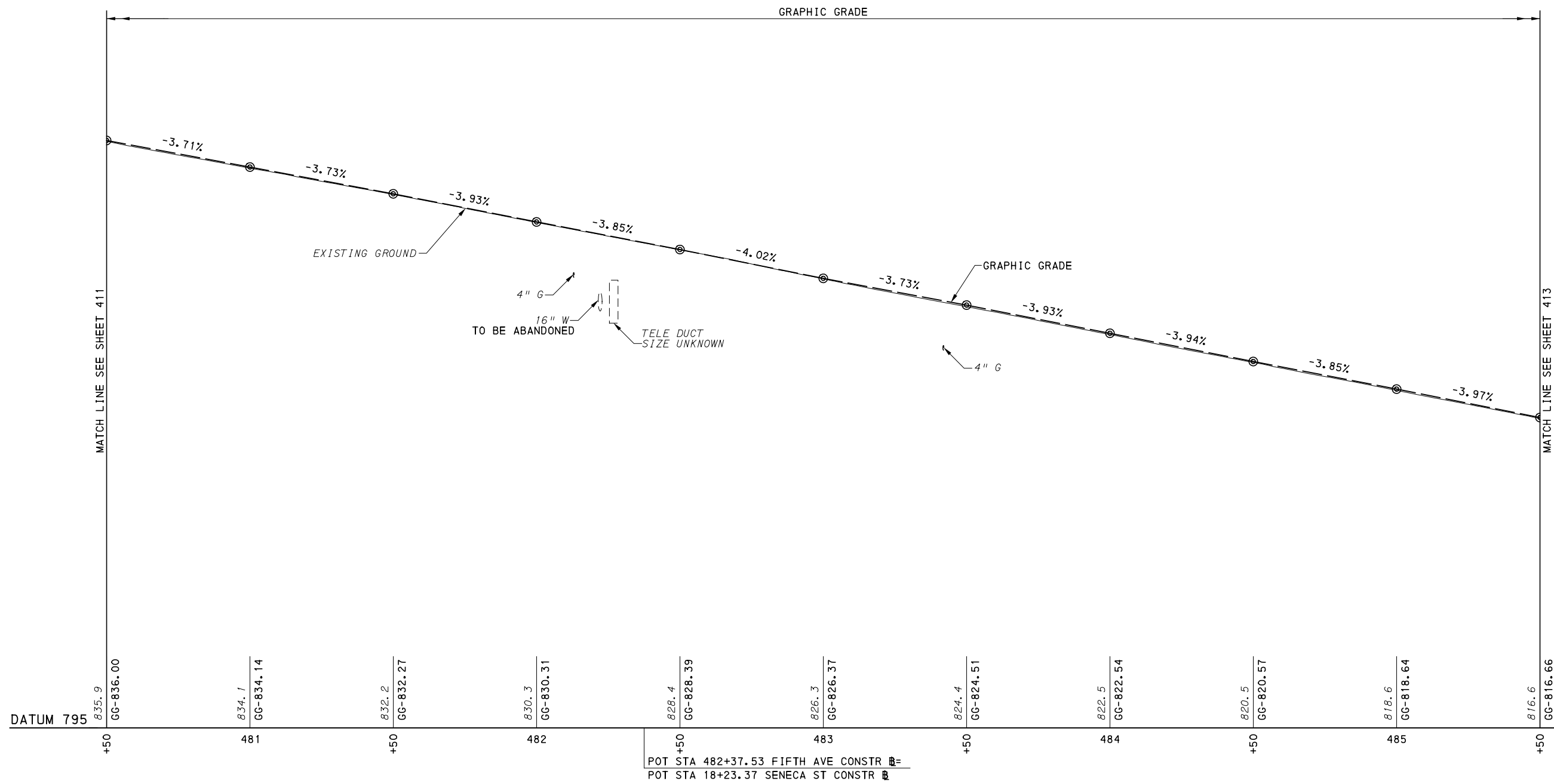
DESIGNED	SDS
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

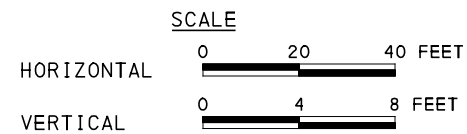
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FIFTH AVE - STA 475+50 TO STA 480+50

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FIFTH AVE



FOR ROADWAY PLAN SEE SHEET 366



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(NOT FOR CONSTRUCTION)

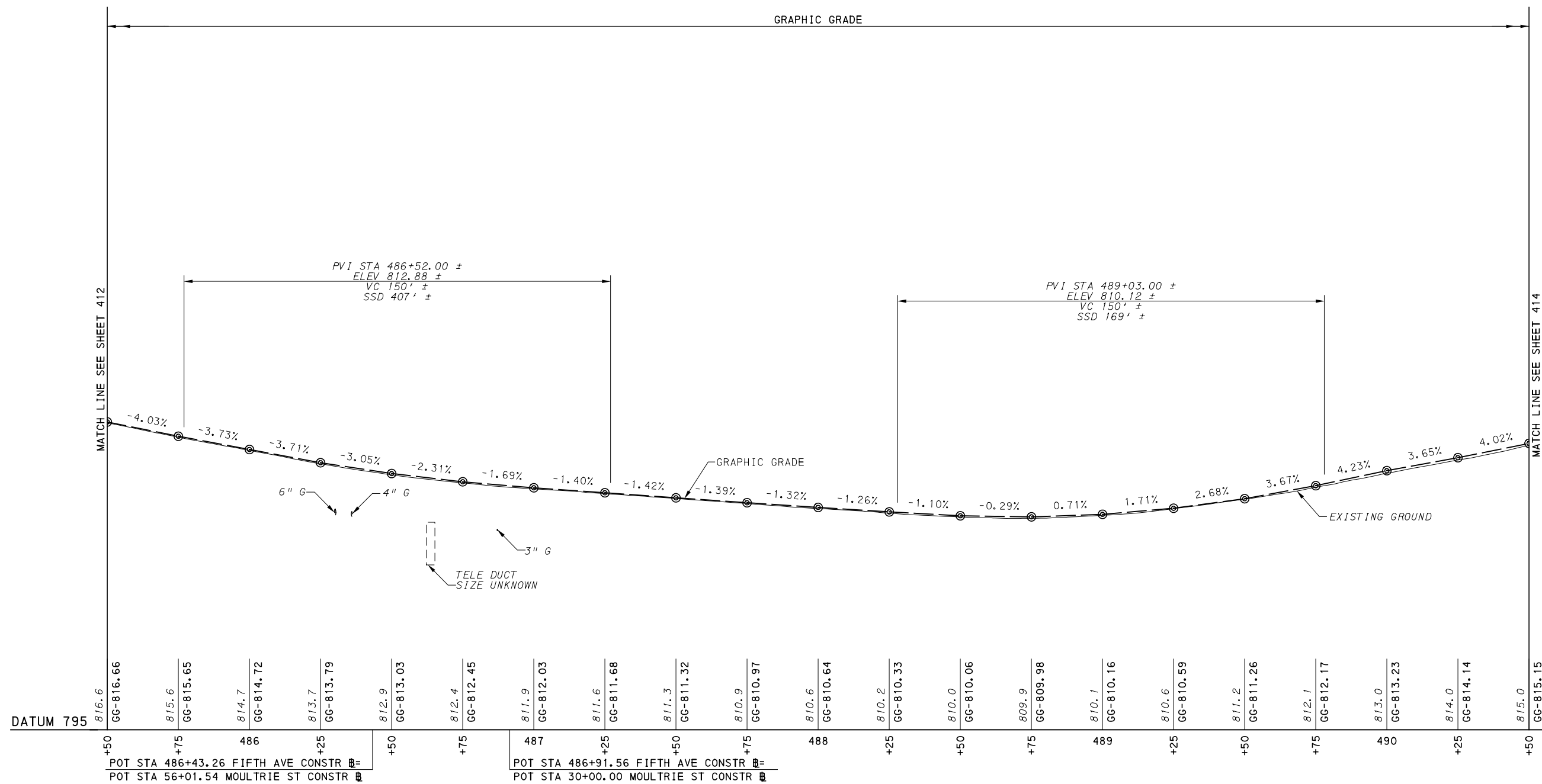
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

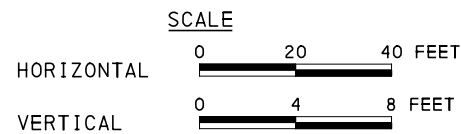
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FIFTH AVE - STA 480+50 TO STA 485+50

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 DWG. NO. PP56 SHT. 412



FIFTH AVE



[FOR ROADWAY PLAN SEE SHEET 367]



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NO.	DATE	DESCRIPTION
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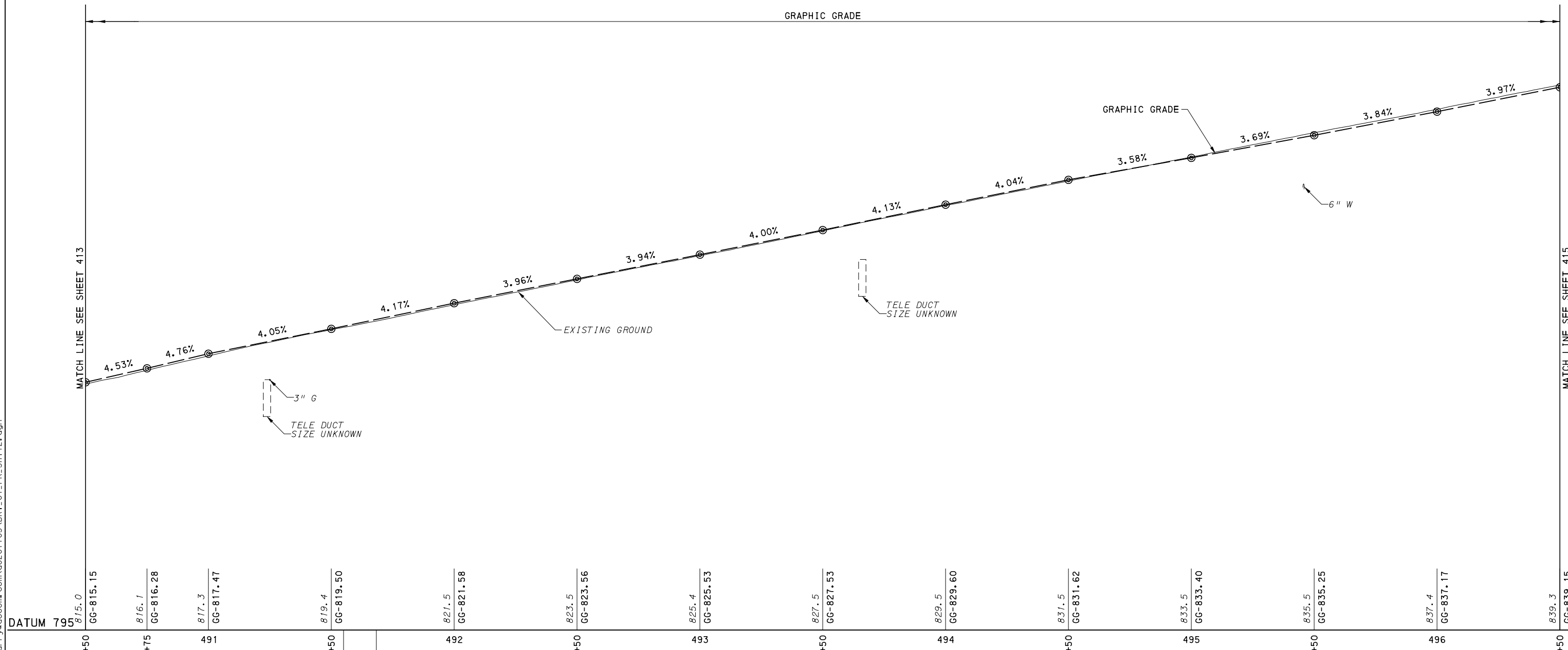
THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE FEDERAL TRANSIT ADMINISTRATION, U.S. DEPARTMENT OF TRANSPORTATION, UNDER THE URBAN MASS TRANSPORTATION ACT OF 1984, AS AMENDED, FOR THE PORT AUTHORITY OF ALLEGHENY COUNTY, PENNSYLVANIA.

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DATE	05/01/24
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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FIFTH AVE - STA 485+50 TO STA 490+50

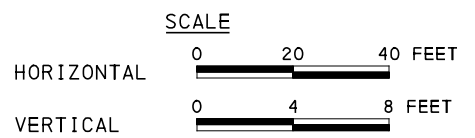
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	DWG. NO. PP57	SHT. 413



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+50	+75	491	+50	492	+50	493	+50	494	+50	495	+50	496	+50	

POT STA 491+68.30 FIFTH AVE CONSTR \square =
 POT STA 17+19.84 BIRMINGHAM BRIDGE CONSTR \square =
 POT STA 491+55.00 FIFTH AVE CONSTR \square =
 POT STA 30+00.00 KIRKPATRICK ST CONSTR \square

FIFTH AVE



[FOR ROADWAY PLAN SEE SHEET 368]



NO.	DATE	DESCRIPTION
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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

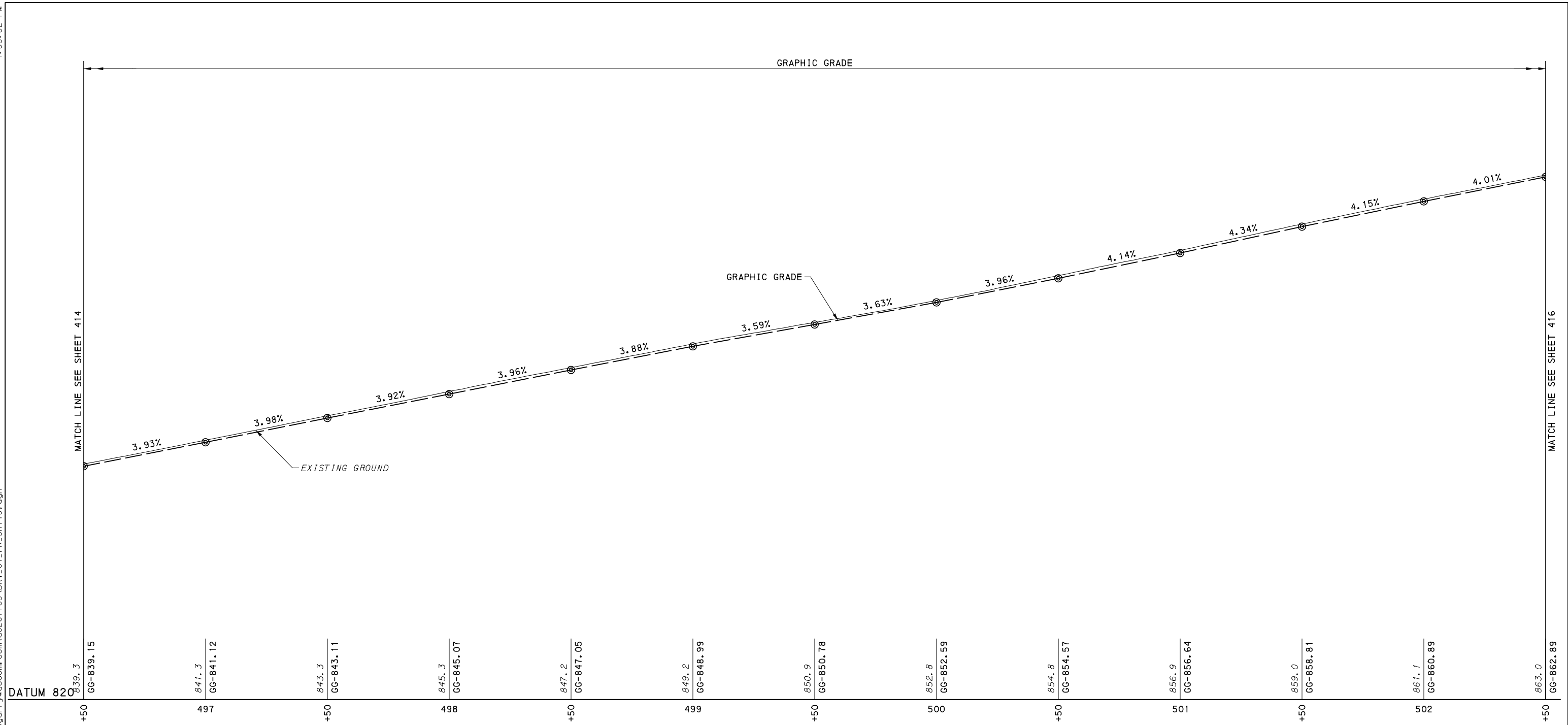
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FIFTH AVE - STA 490+50 TO STA 496+50

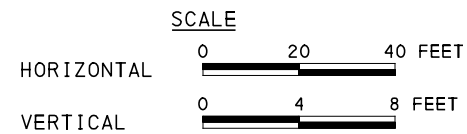
Port Authority connecting people to life™

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DWG. NO. PP58 SHT. 414



FIFTH AVE



[FOR ROADWAY PLAN SEE SHEET 369]



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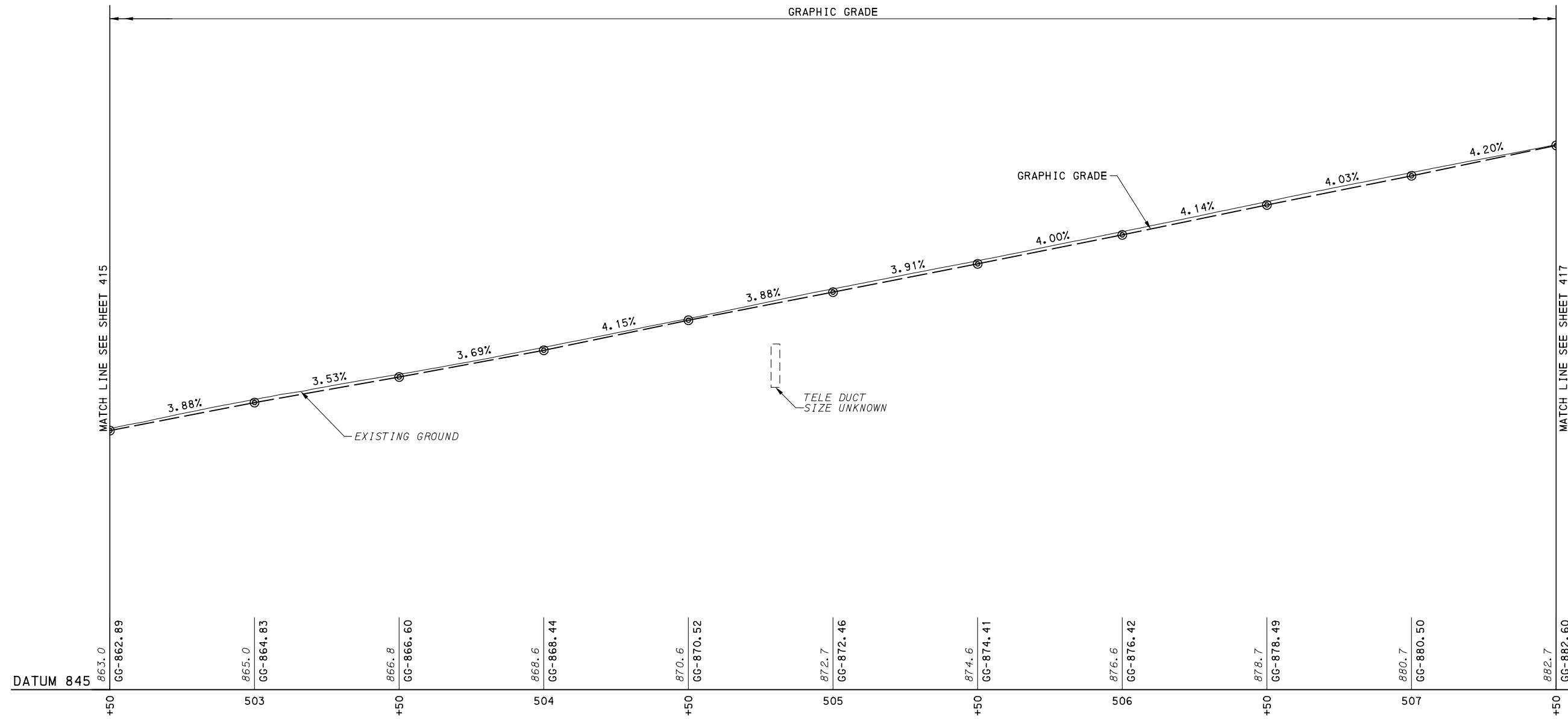
THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE FEDERAL TRANSIT ADMINISTRATION, U.S. DEPARTMENT OF TRANSPORTATION, UNDER THE URBAN MASS TRANSPORTATION ACT OF 1984, AS AMENDED, FOR THE PORT AUTHORITY OF ALLEGHENY COUNTY, PENNSYLVANIA.

(NOT FOR CONSTRUCTION)

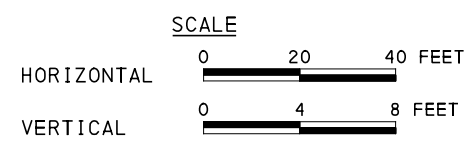
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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FIFTH AVE - STA 496+50 TO STA 502+50

	CONTRACT NO. BRT-001	
	DWG. NO. PP59	SHT. 415



FIFTH AVE



(FOR ROADWAY PLAN SEE SHEET 370)



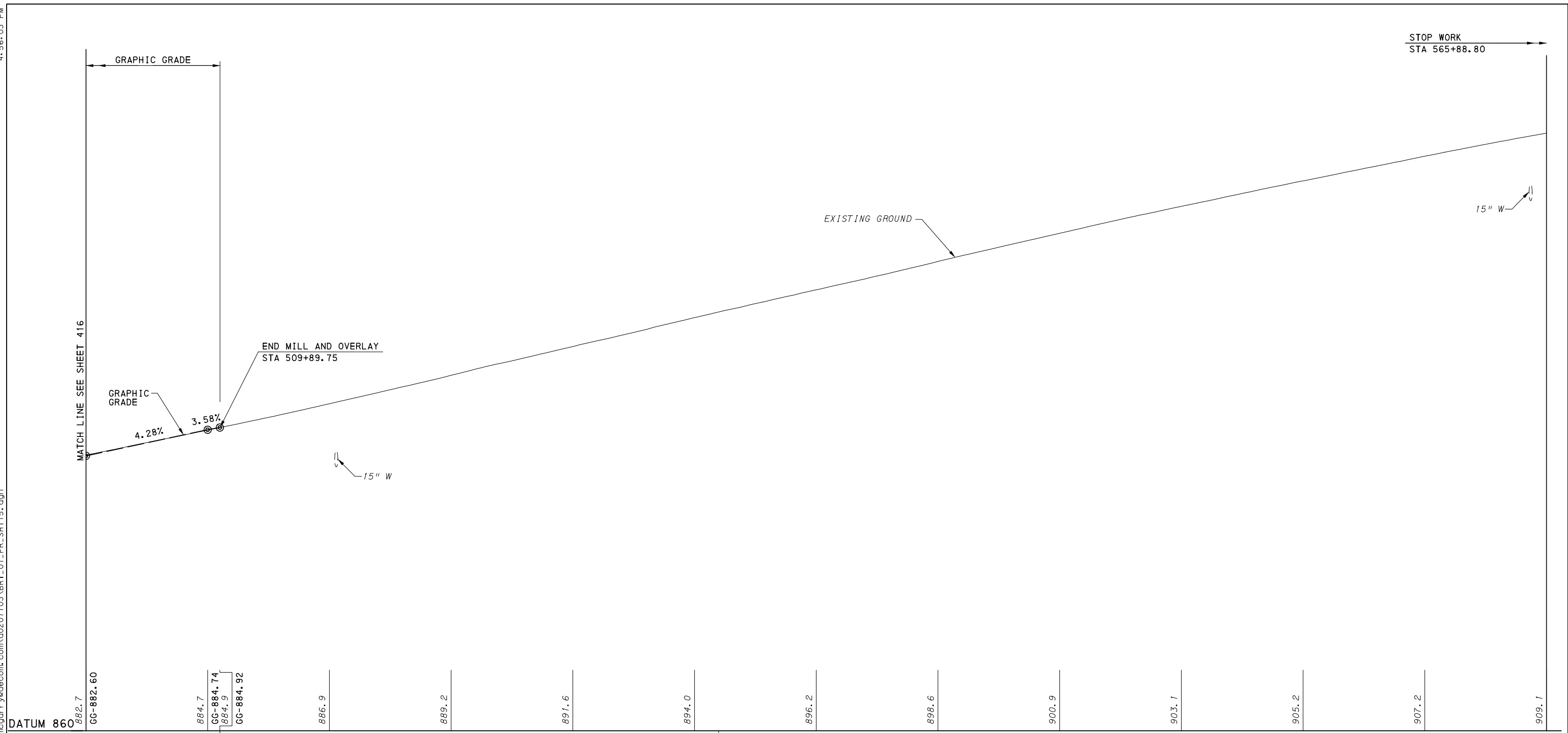
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REVISIONS		

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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PROFILE FIFTH AVE - STA 502+50 TO STA 507+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. PP60



DATUM 860	882.7	CG-882.60	884.7	CG-884.74	884.9	CG-884.92	886.9	889.2	891.6	894.0	896.2	898.6	900.9	903.1	905.2	907.2	909.1		
+50			+05				+50		509	+50		511	+50		512	+50		513	+50

POT STA 510+09.89 FIFTH AVE CONSTR
 POT STA 11+12.98 SR 8119 BLVD OF THE ALLIES RAMP CONSTR

FIFTH AVE



[FOR ROADWAY PLAN SEE SHEET 371]



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(NOT FOR CONSTRUCTION)

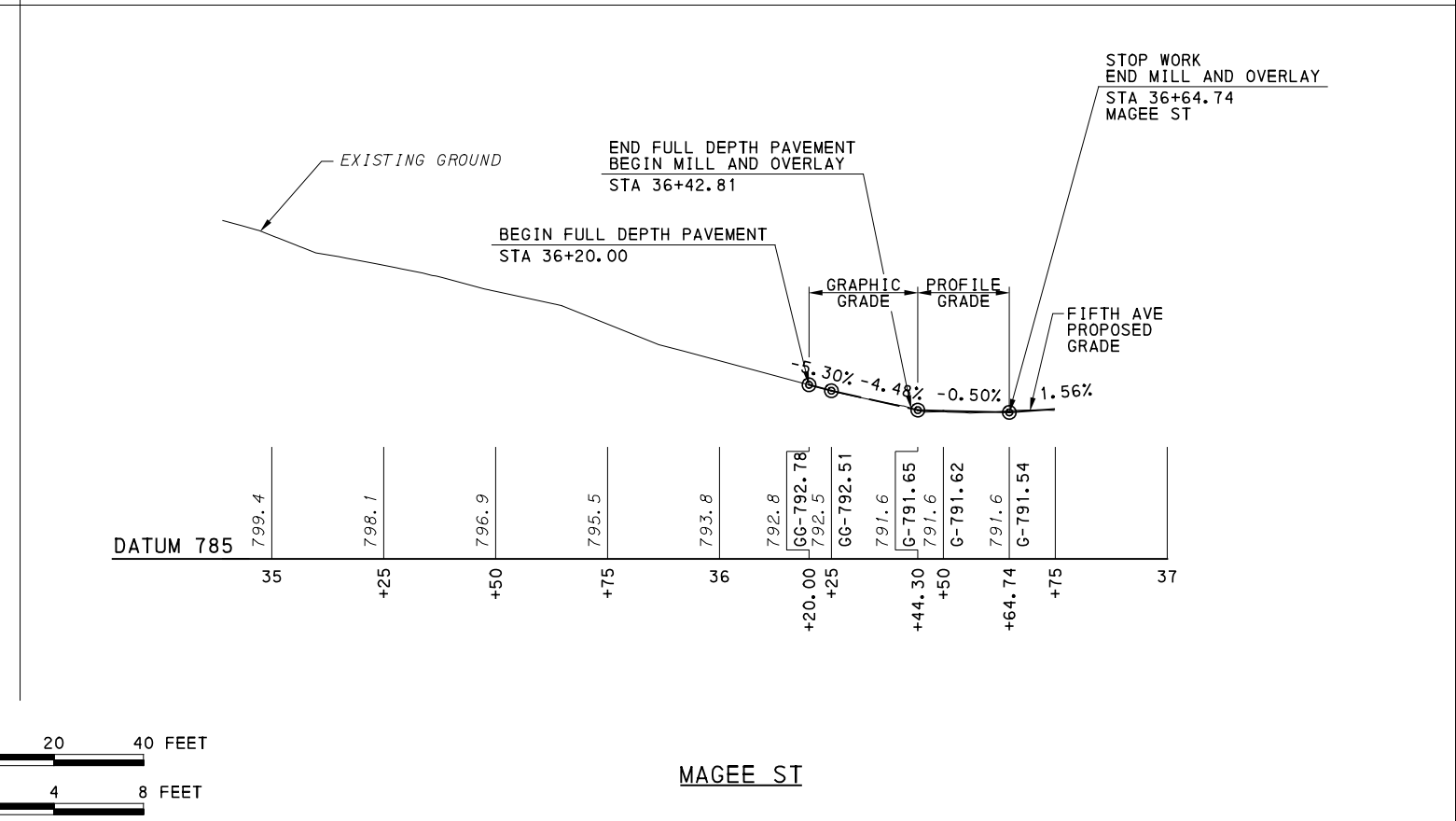
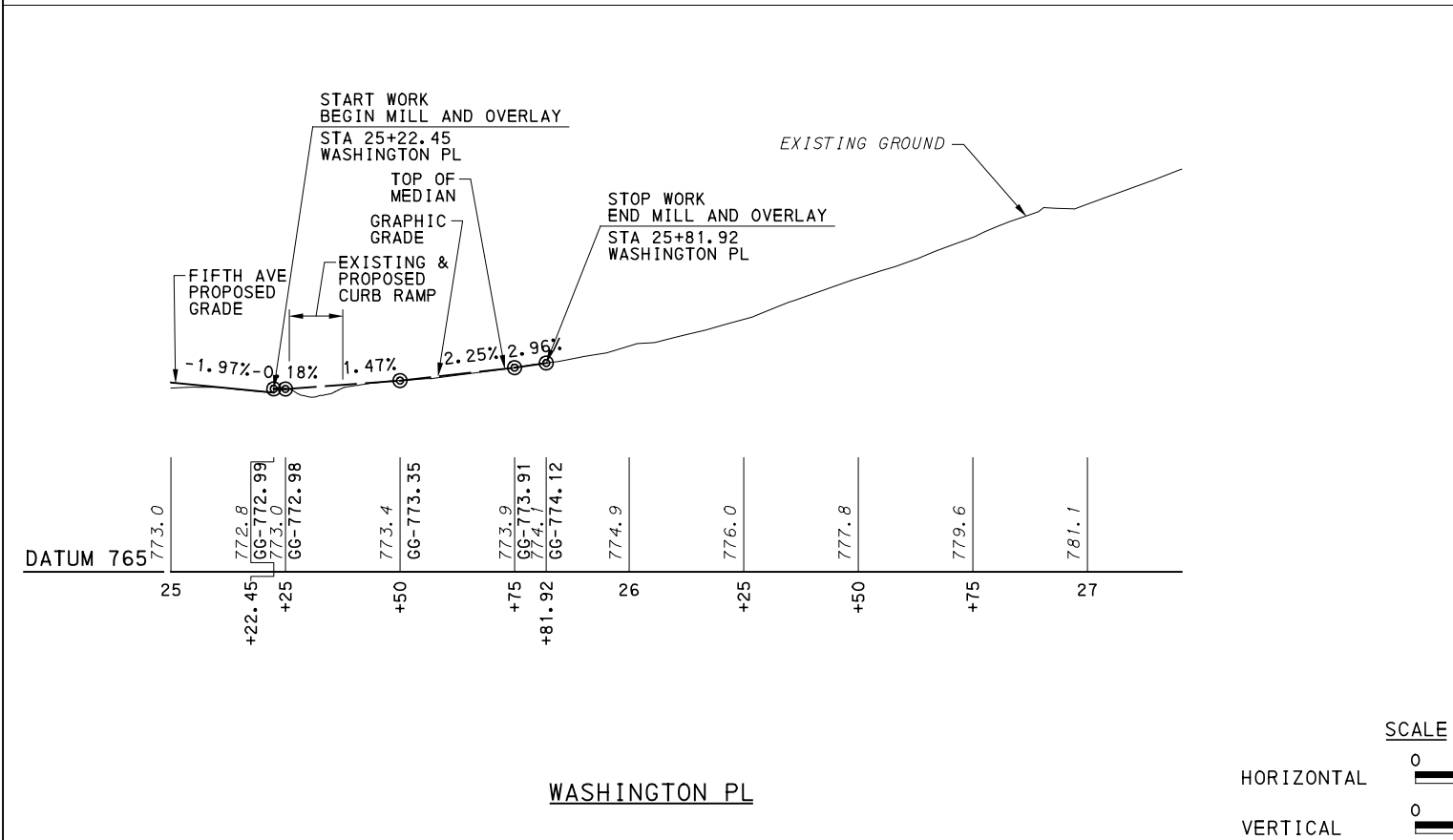
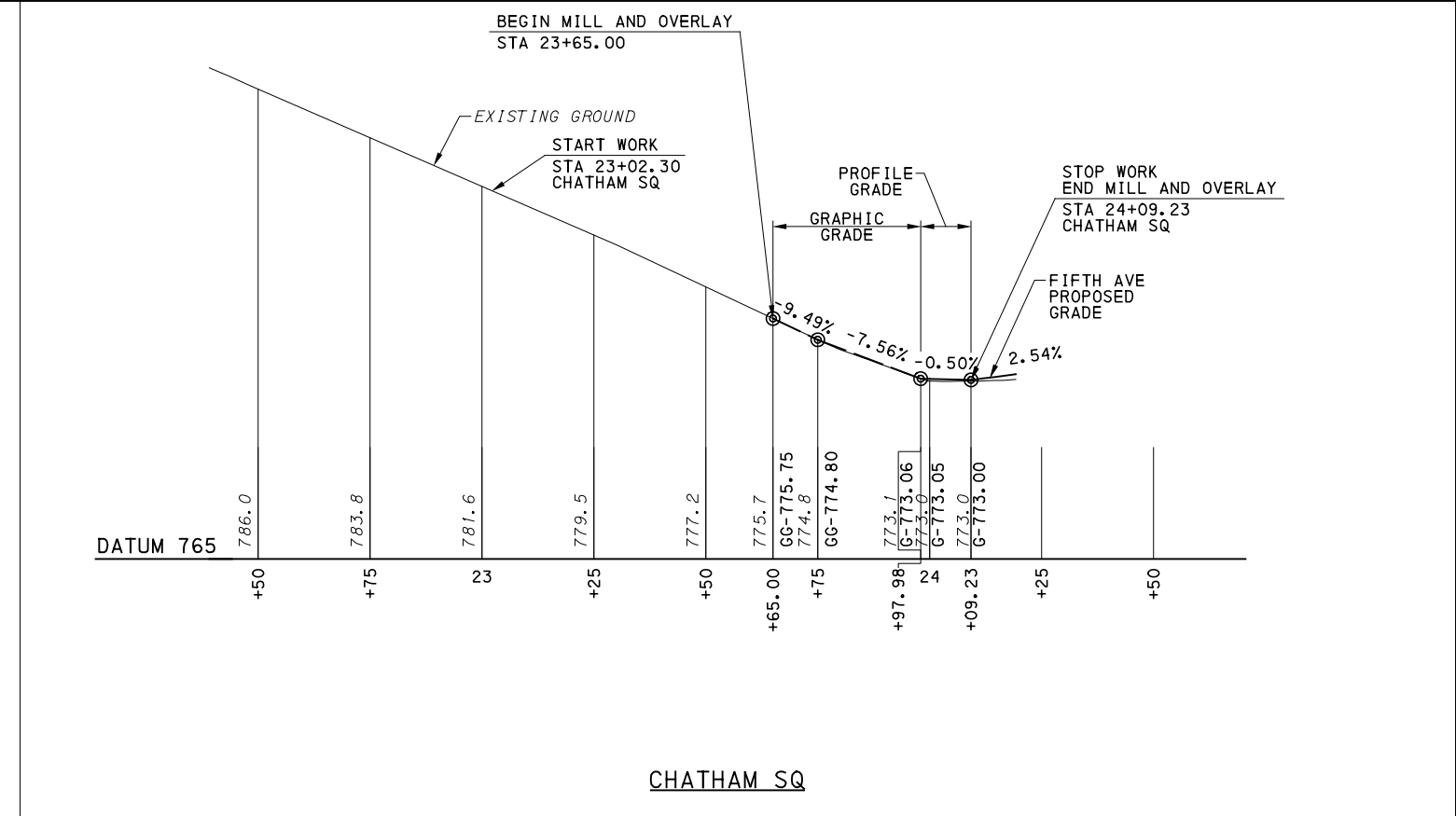
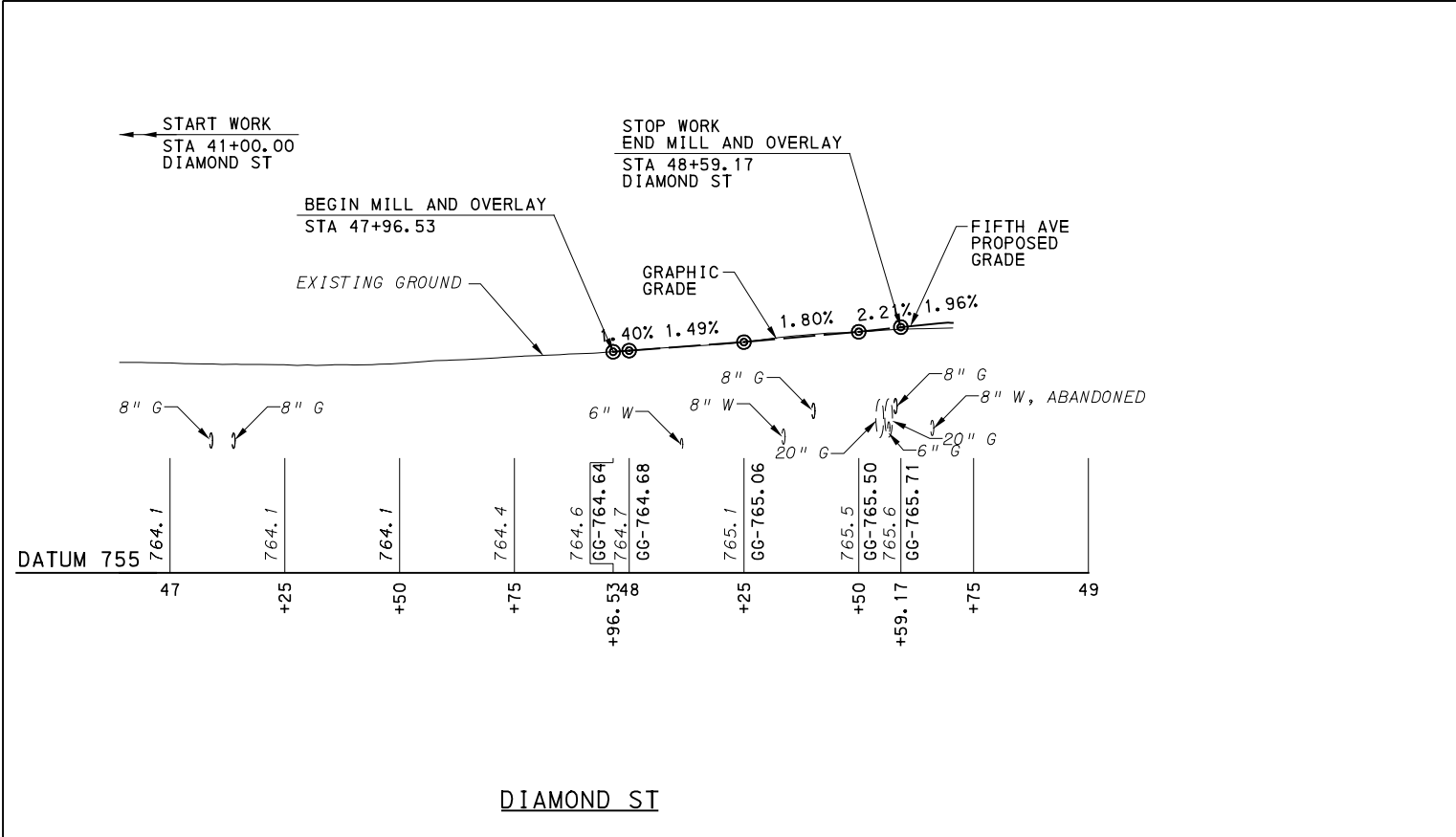
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CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FIFTH AVE - STA 507+50 TO STA 513+50

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CONTRACT NO. BRT-001	
DWG. NO. PP61	SHT. 417



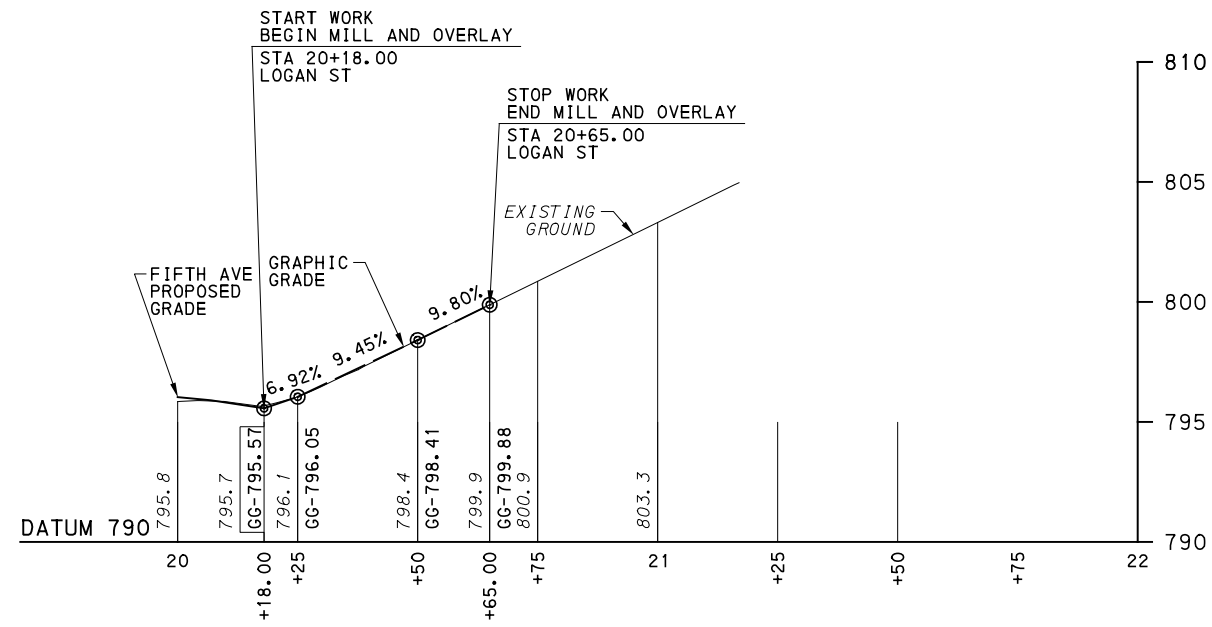
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REVISIONS		

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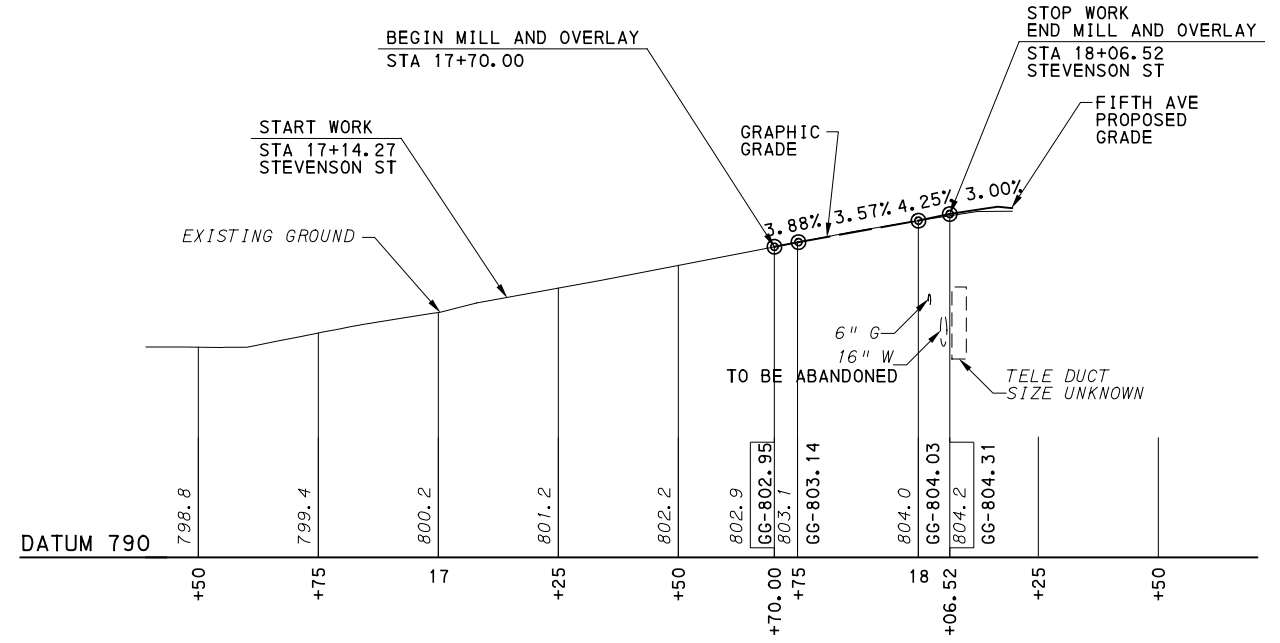
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SCALE	AS SHOWN

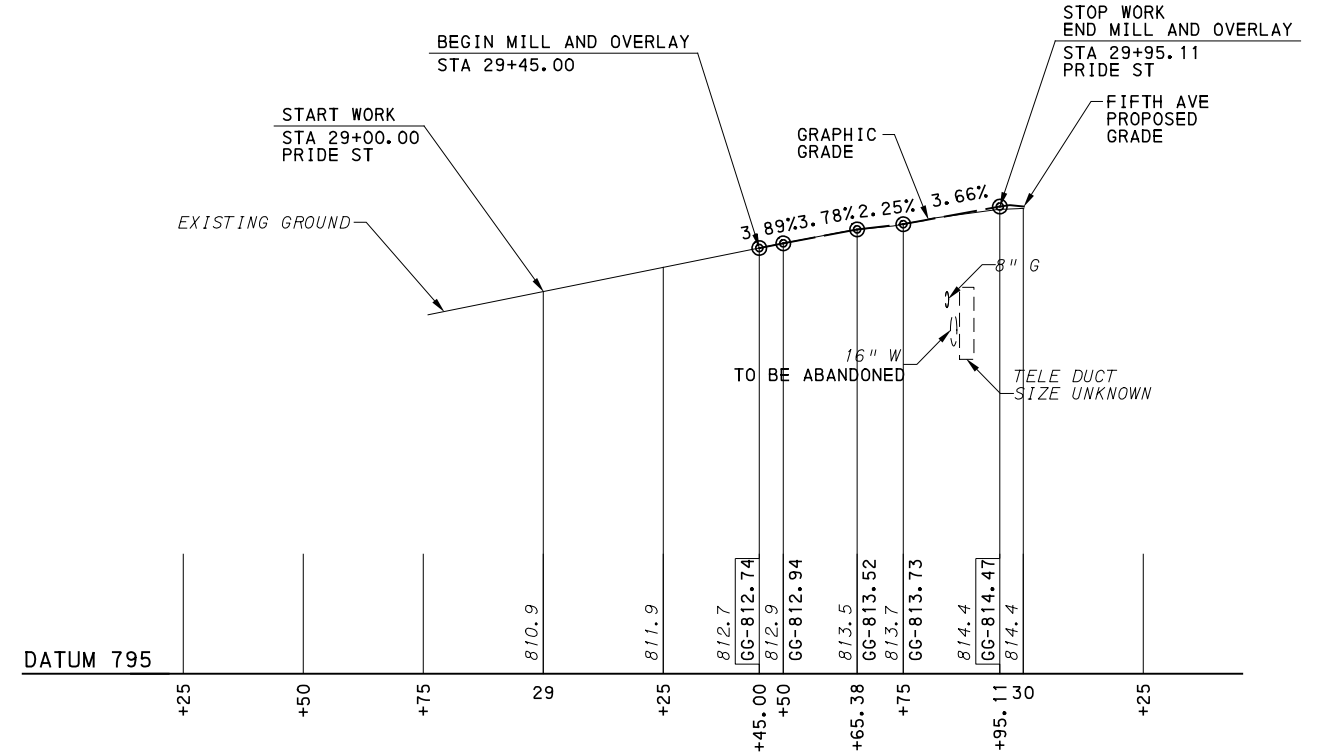
PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PROFILE DIAMOND ST, CHATHAM SQ, WASHINGTON PL, MAGEE ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. PP62 SHT. 418



LOGAN ST

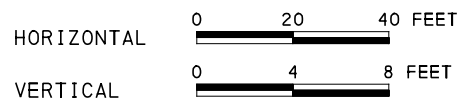


STEVENSON ST (SOUTH)



PRIDE ST (SOUTH)

SCALE



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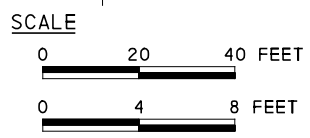
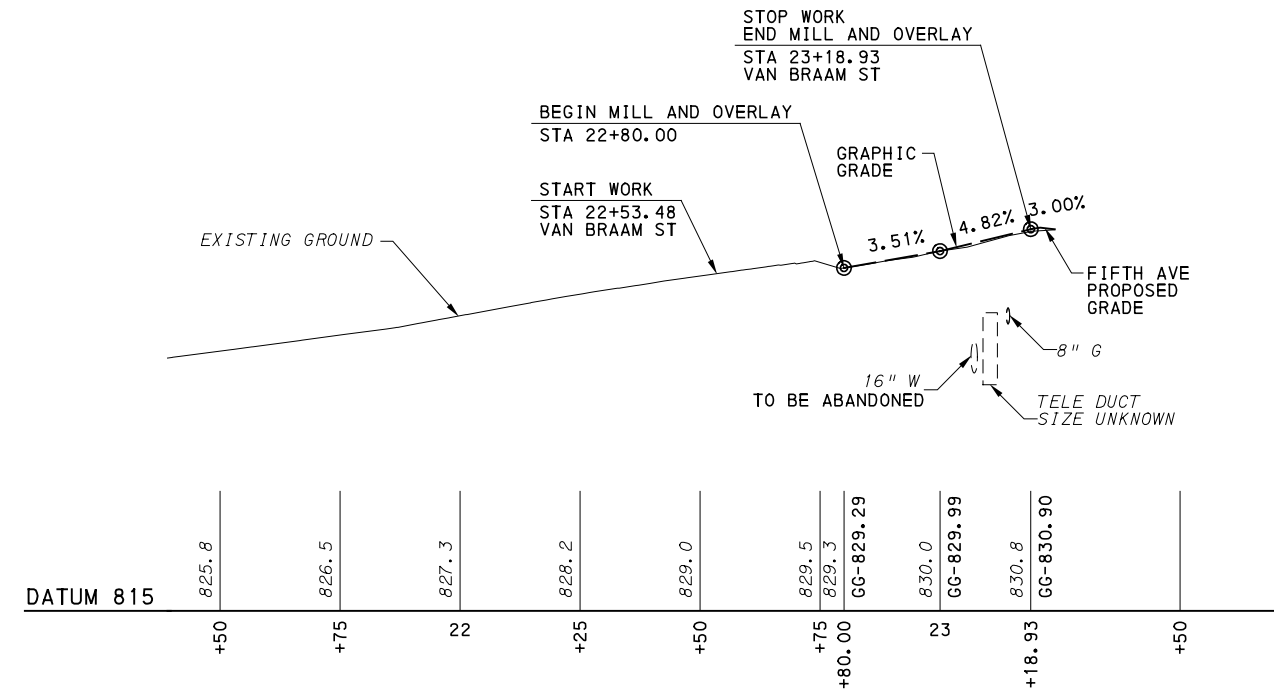
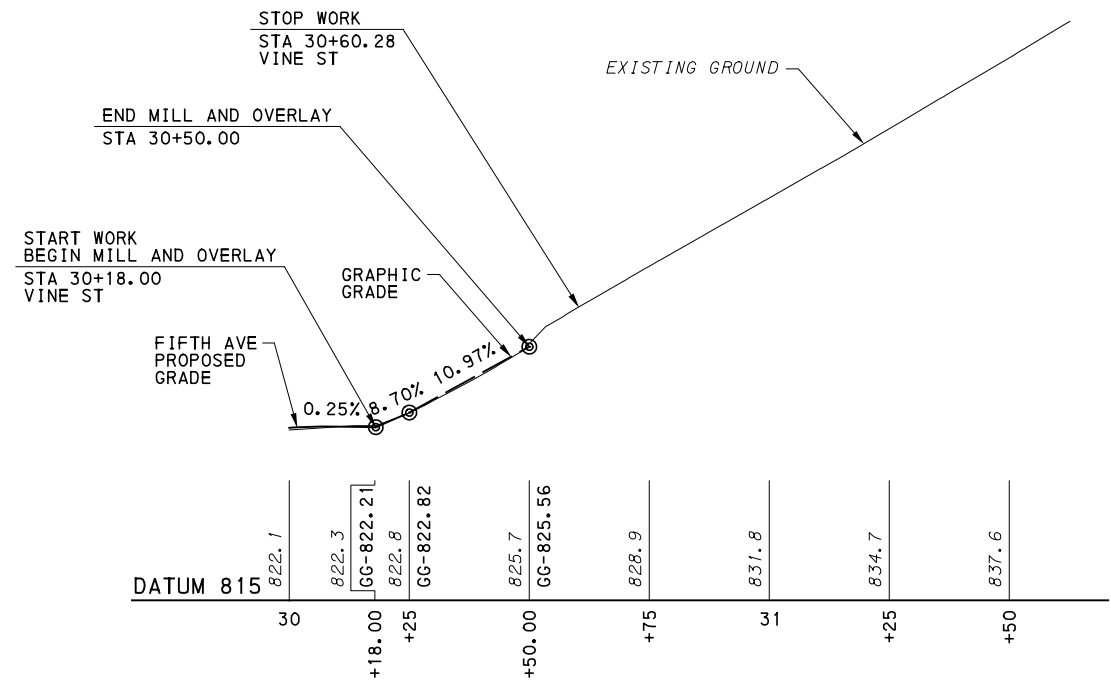
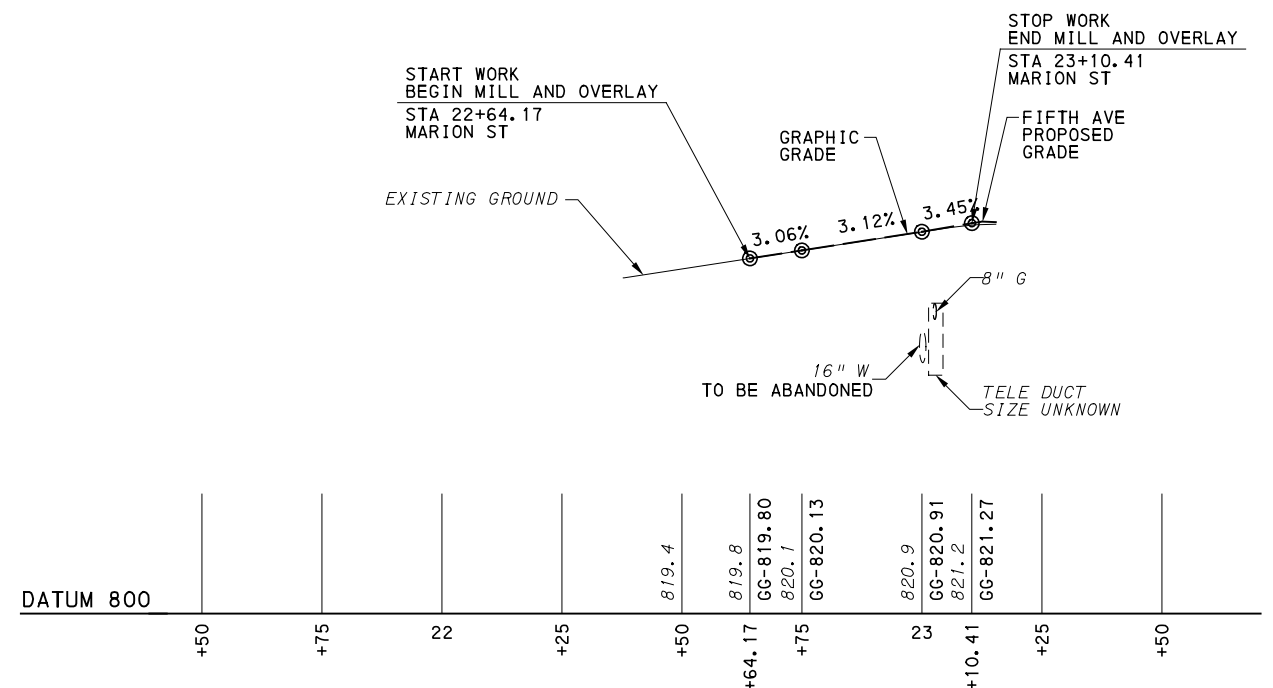
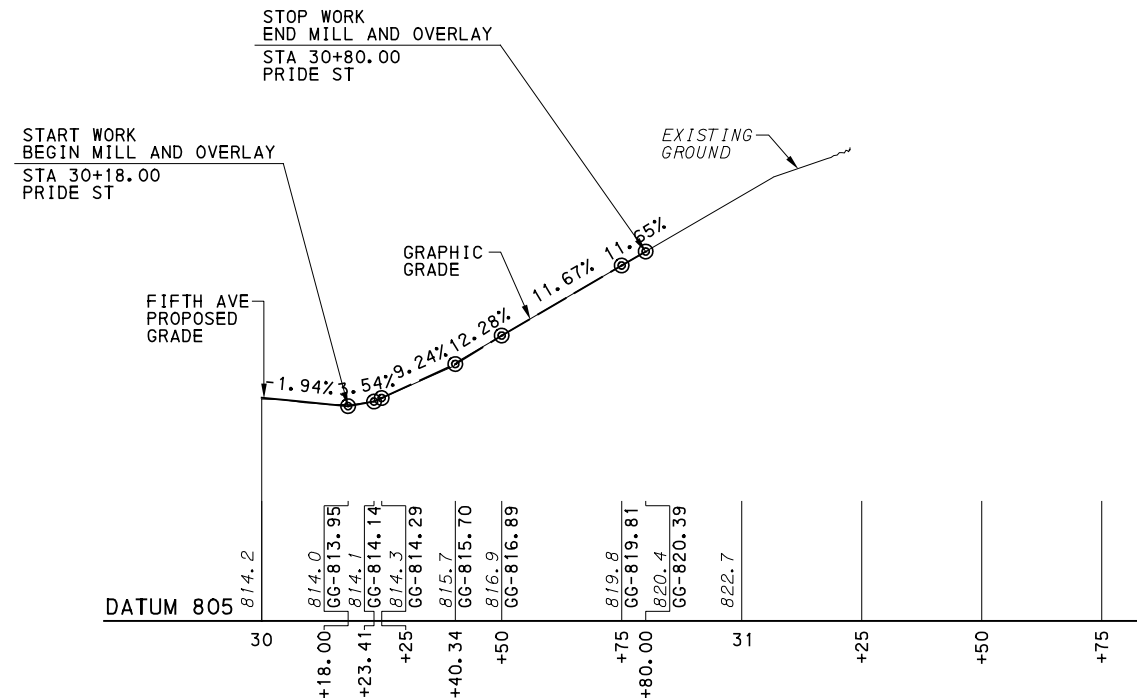
(NOT FOR CONSTRUCTION)

DESIGNED	SDS
DRAWN	JMS
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PROFILE LOGAN ST, STEVENSON ST, PRIDE ST	
Port Authority connecting people to life	CONTRACT NO. BRT-001
DWG. NO. PP63	SHT. 419

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FILE_PATH: c:\pwworking\aecocom\ds16_nad\michael.mcgarry\aeocom.com\d0207703\BRT_01_PR_SHT21.dgn



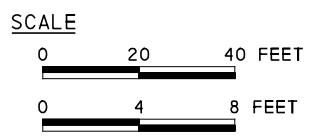
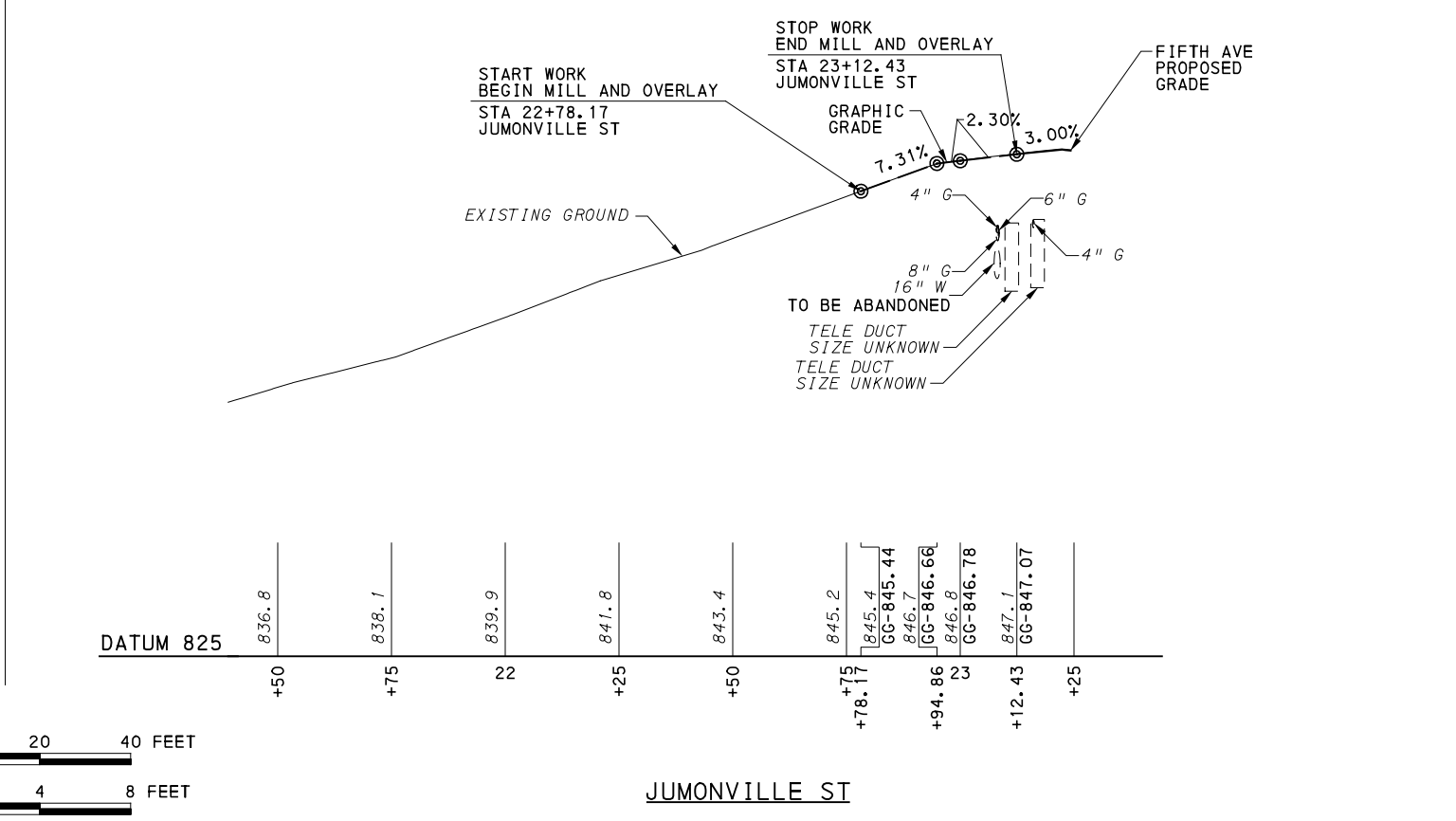
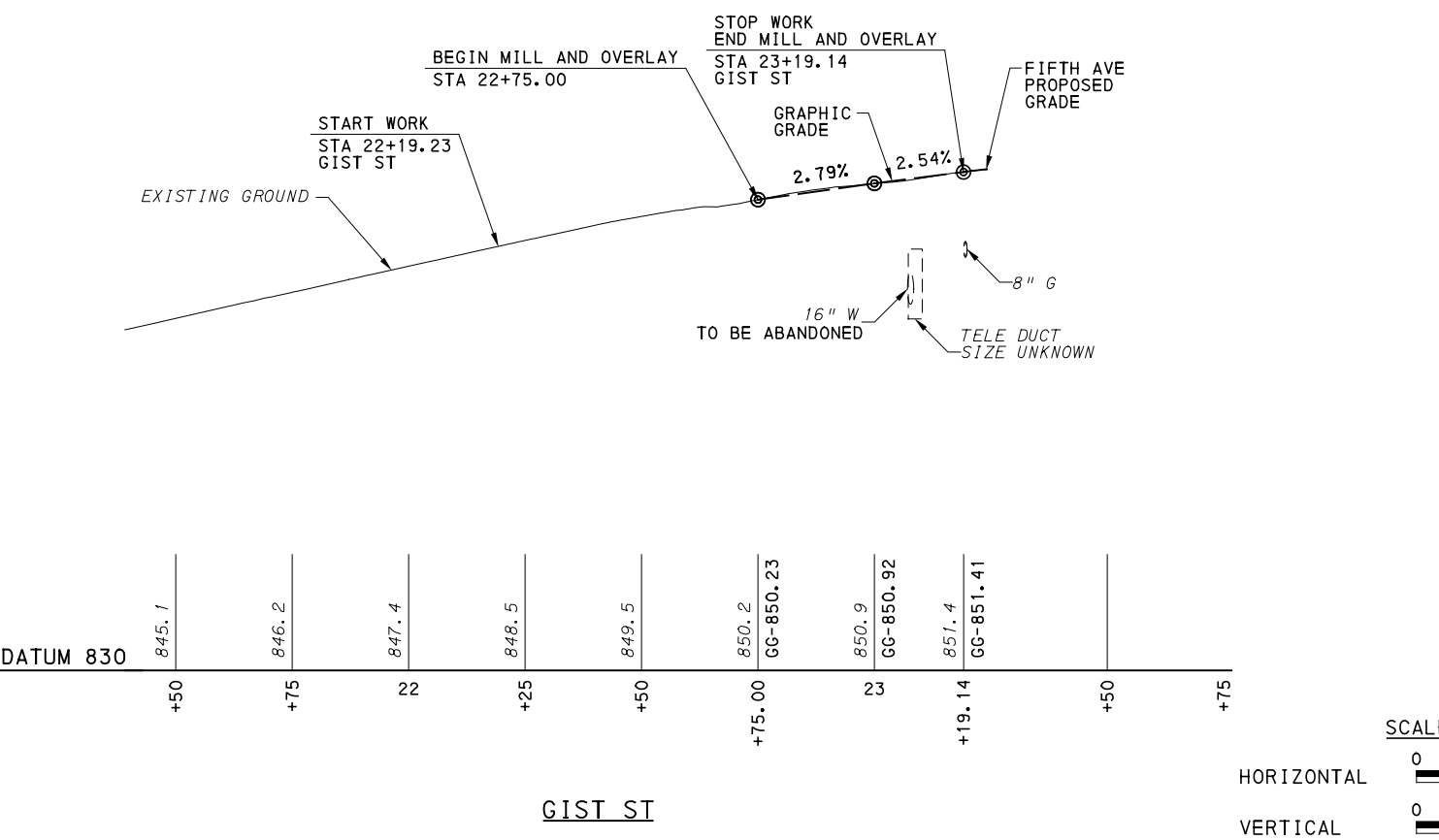
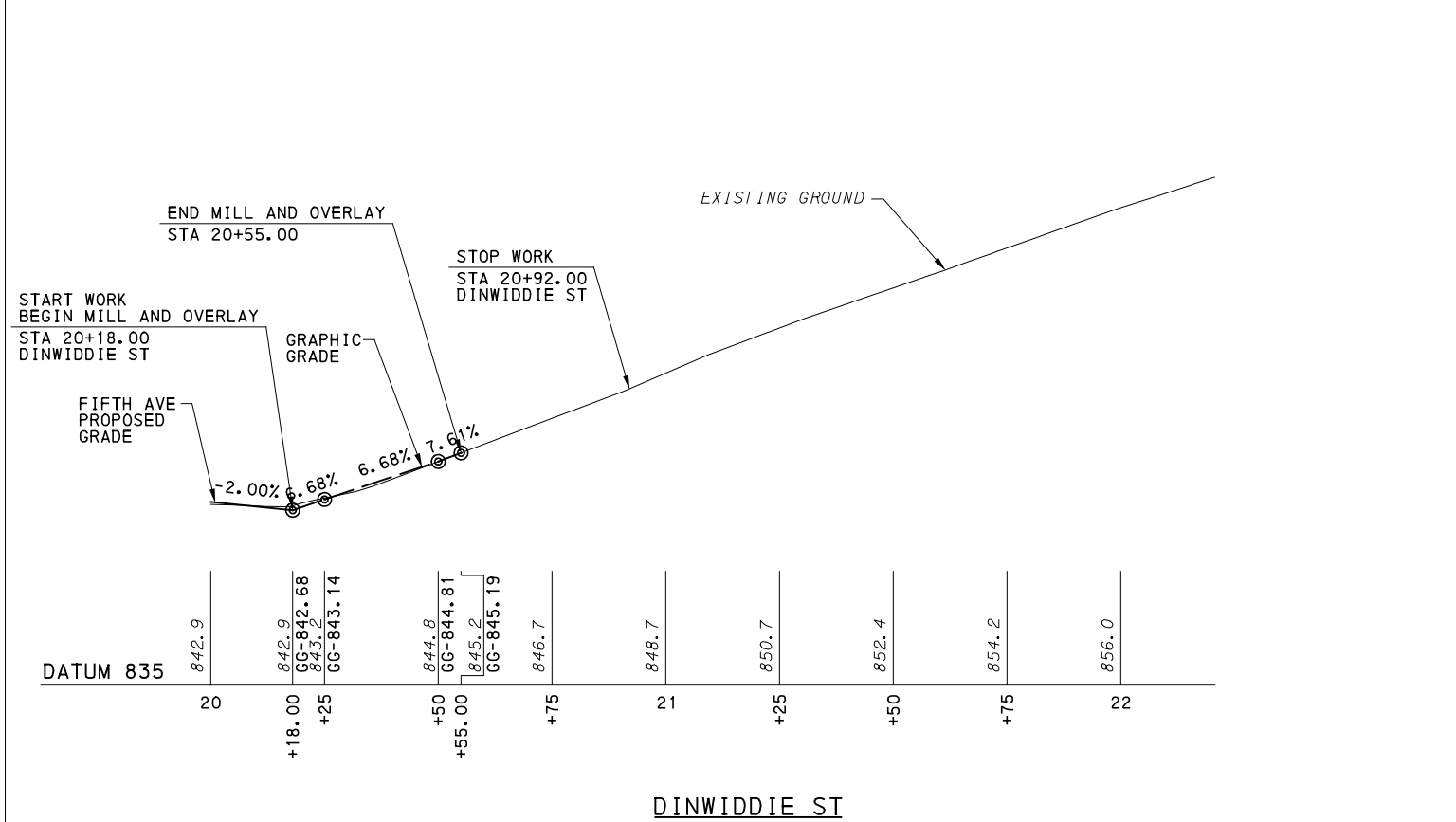
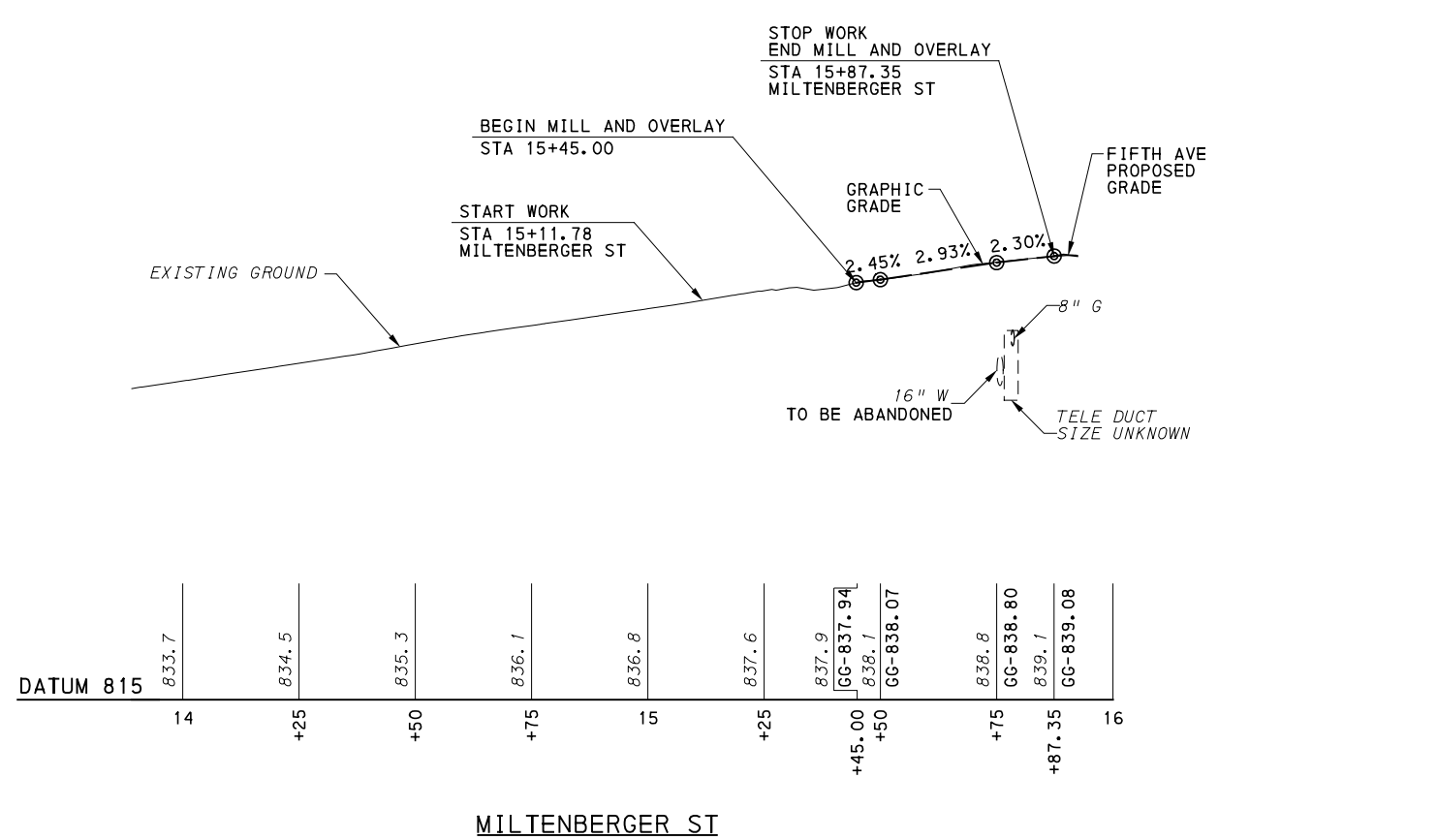
NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

DESIGNED	SDS
DRAWN	JMS
CHECKED	BFS
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PROFILE PRIDE ST, MARION ST, VINE ST, VAN BRAAM ST	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. PP64	SHT. 420



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(NOT FOR CONSTRUCTION)

DESIGNED	SDS
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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

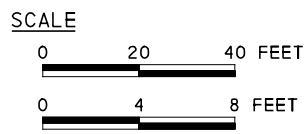
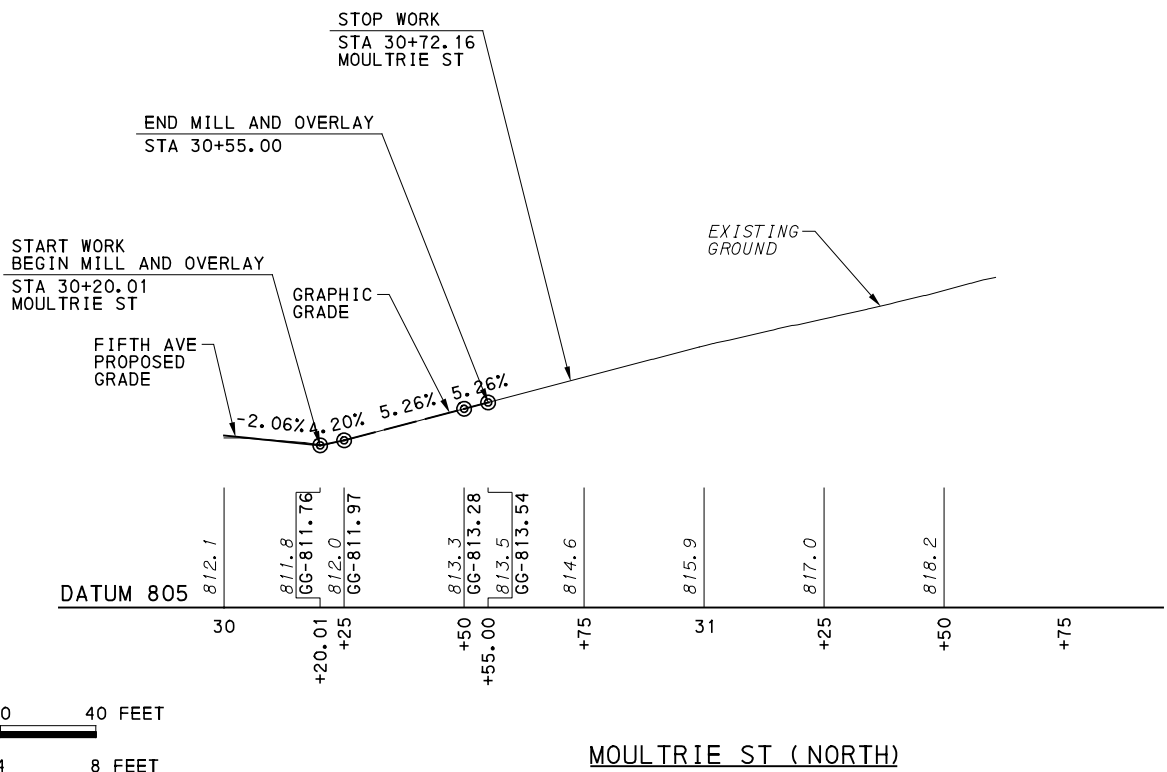
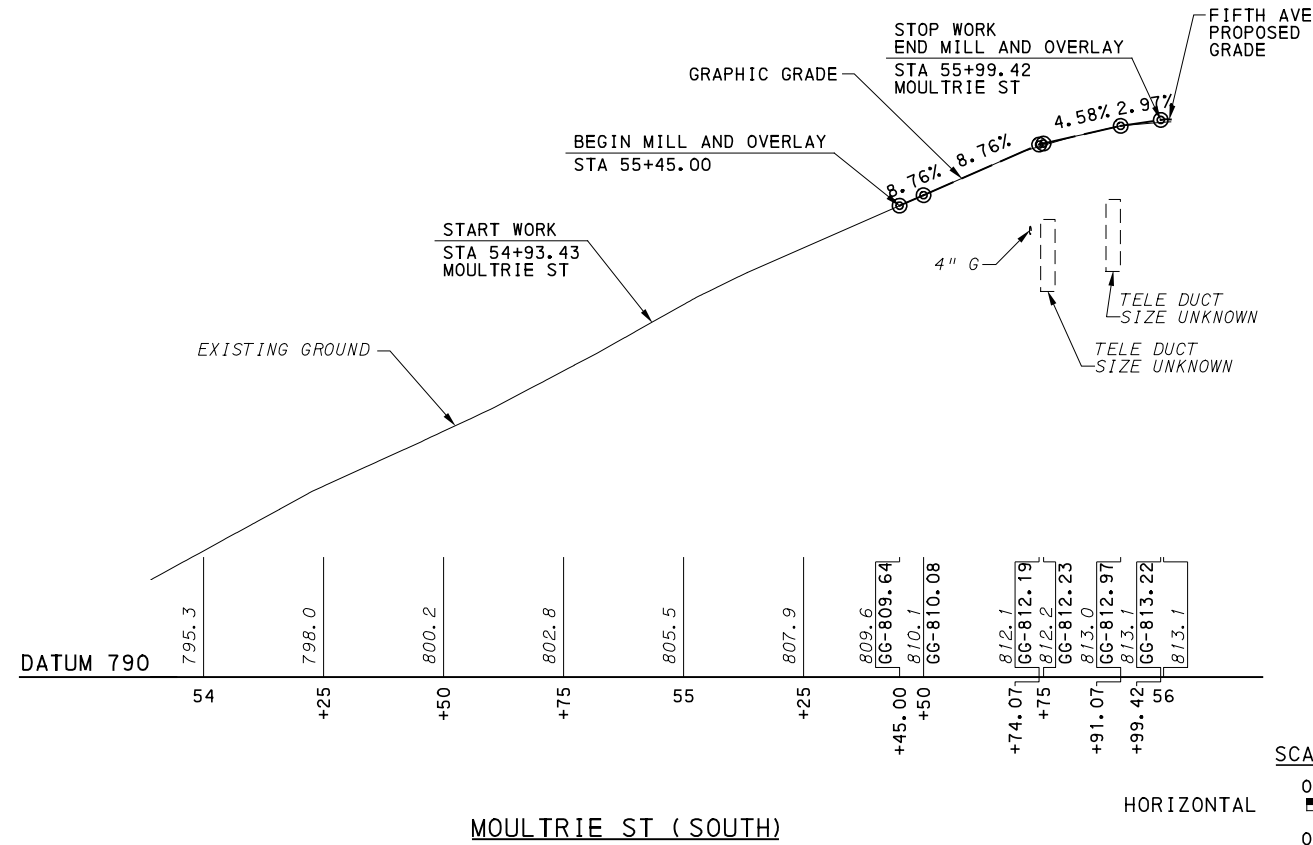
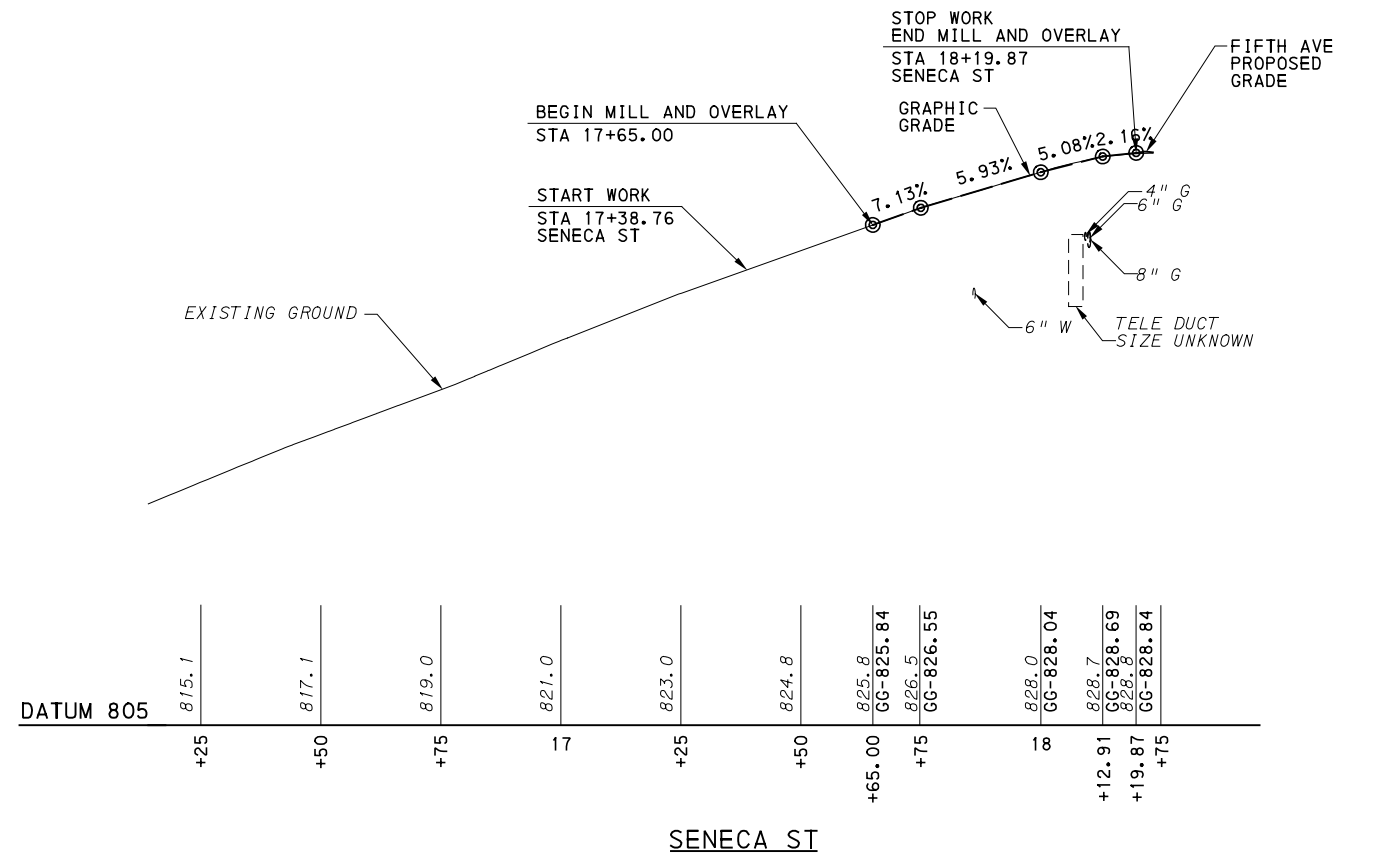
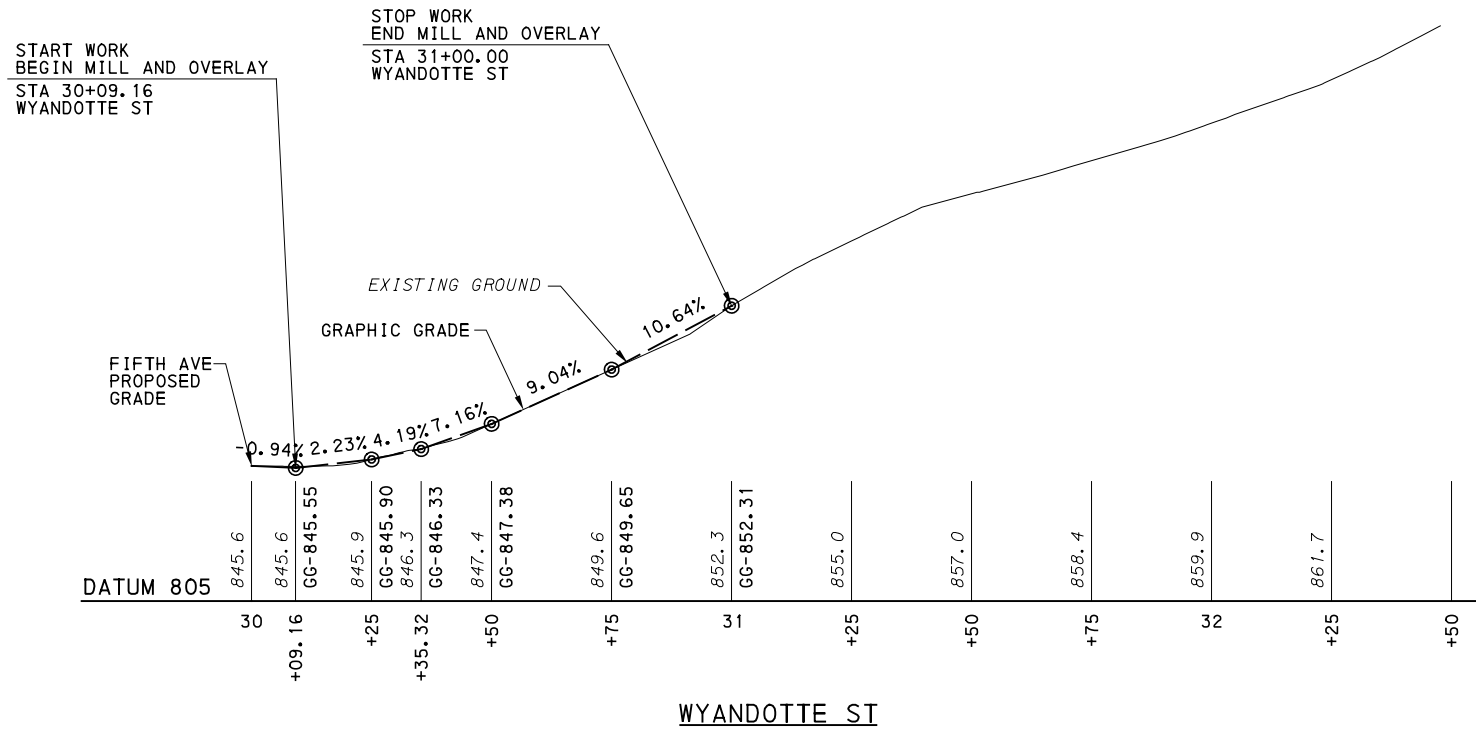
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 MILTENBERGER ST, DINWIDDIE ST, GIST ST, JUMONVILLE ST

Port Authority
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CONTRACT NO. BRT-001

DWG. NO. PP65 SHT. 421



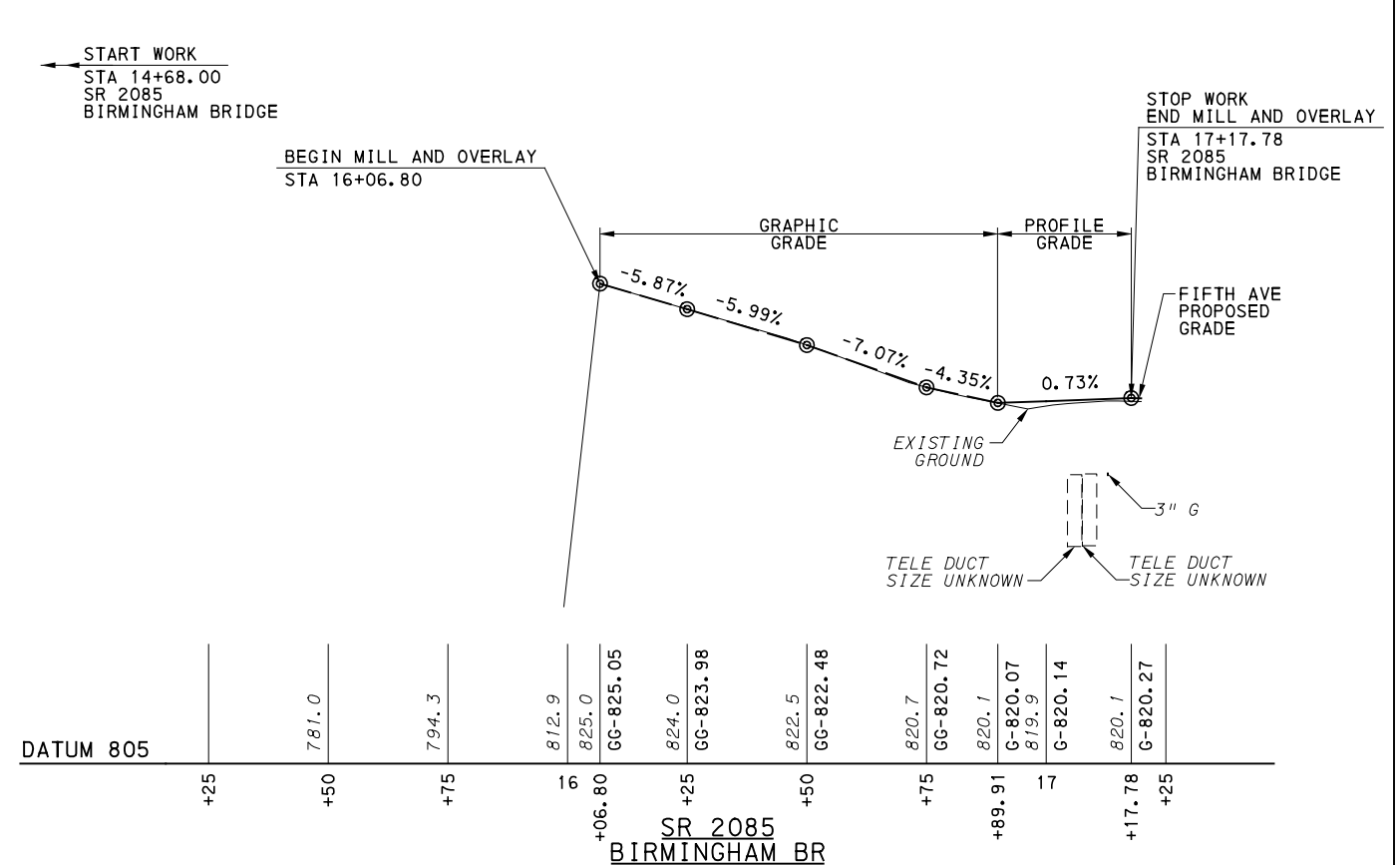
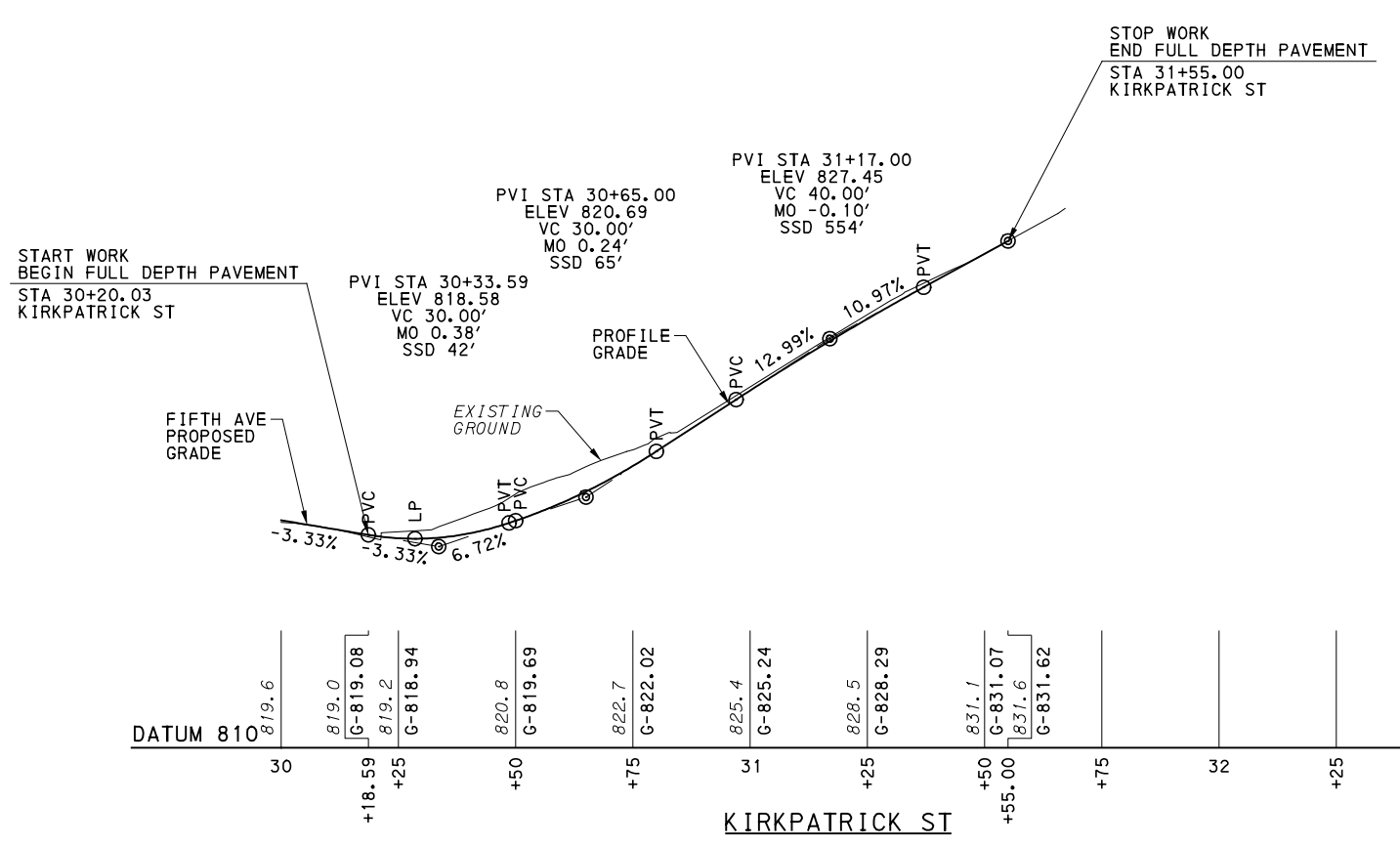
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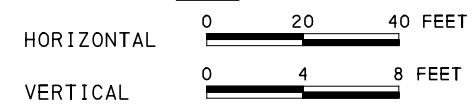
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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PROFILE WYANDOTTE ST, SENECA ST, MOULTRIE ST	
Port Authority connecting people to life	CONTRACT NO. BRT-001
DWG. NO. PP66	SHT. 422



SCALE



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SCALE	AS SHOWN

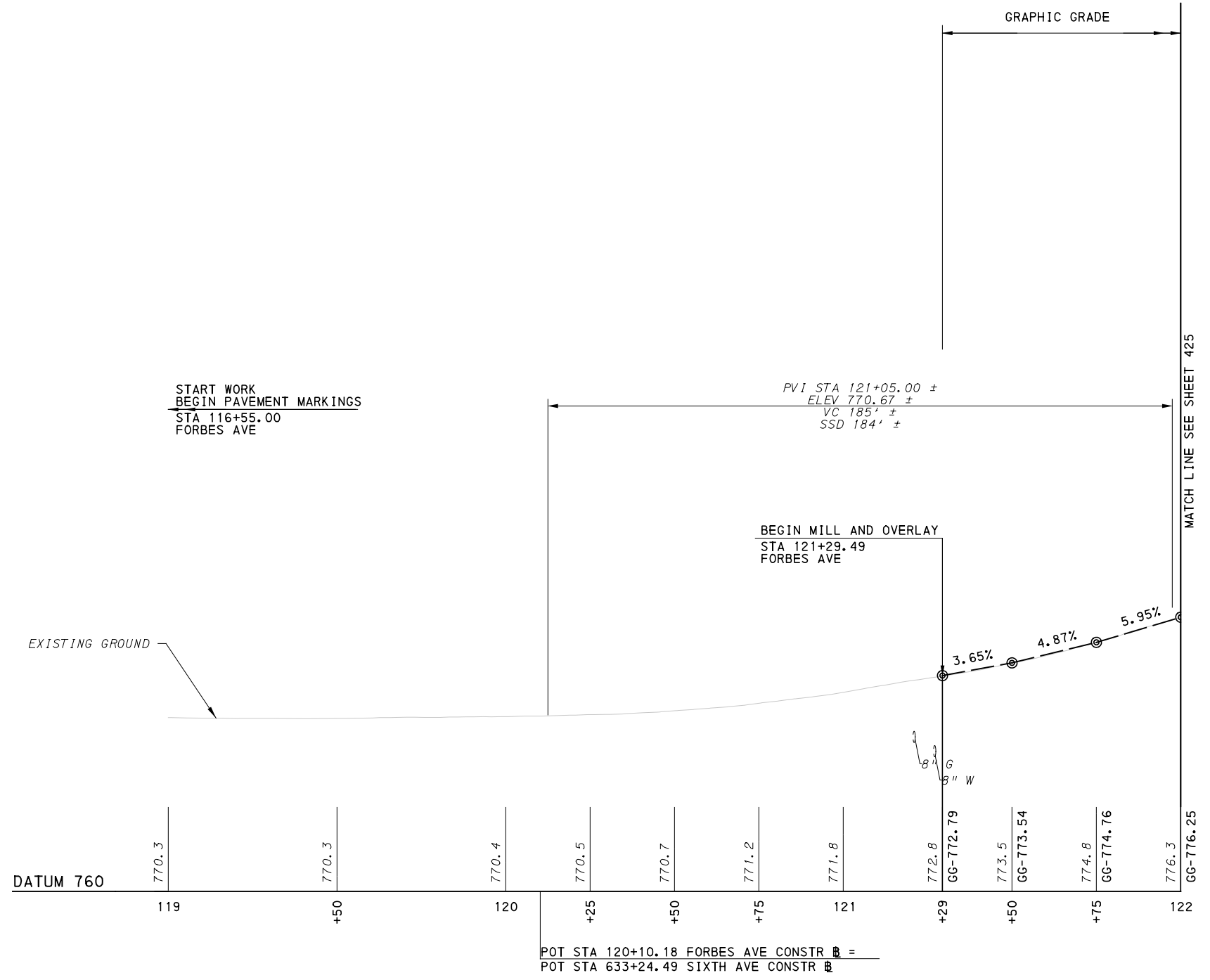
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 KIRKPATRICK ST, BIRMINGHAM BR

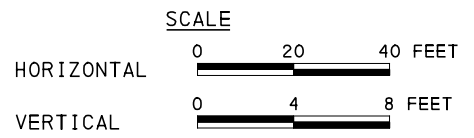
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CONTRACT NO. BRT-001

DWG. NO. PP67 SHT. 423



FORBES AVE



[FOR ROADWAY PLAN SEE SHEET 382]



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IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

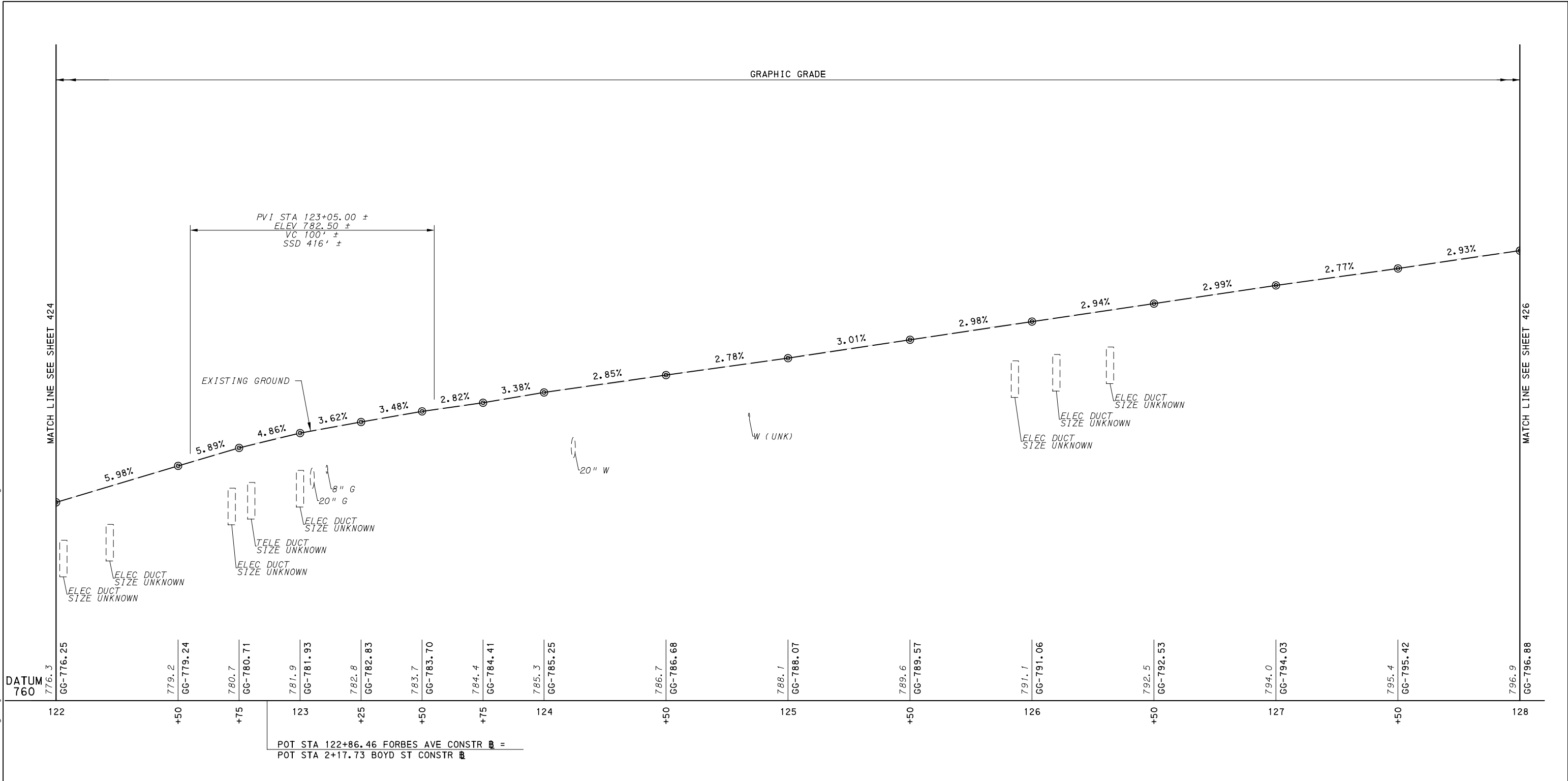
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FORBES AVE - STA 119+00 TO STA 122+00

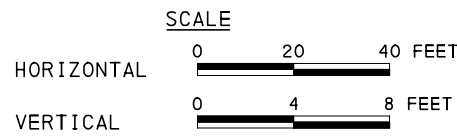
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CONTRACT NO. BRT-001

DWG. NO. PP68 SHT. 424



FORBES AVE



[FOR ROADWAY PLAN SEE SHEET 383]



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GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

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IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

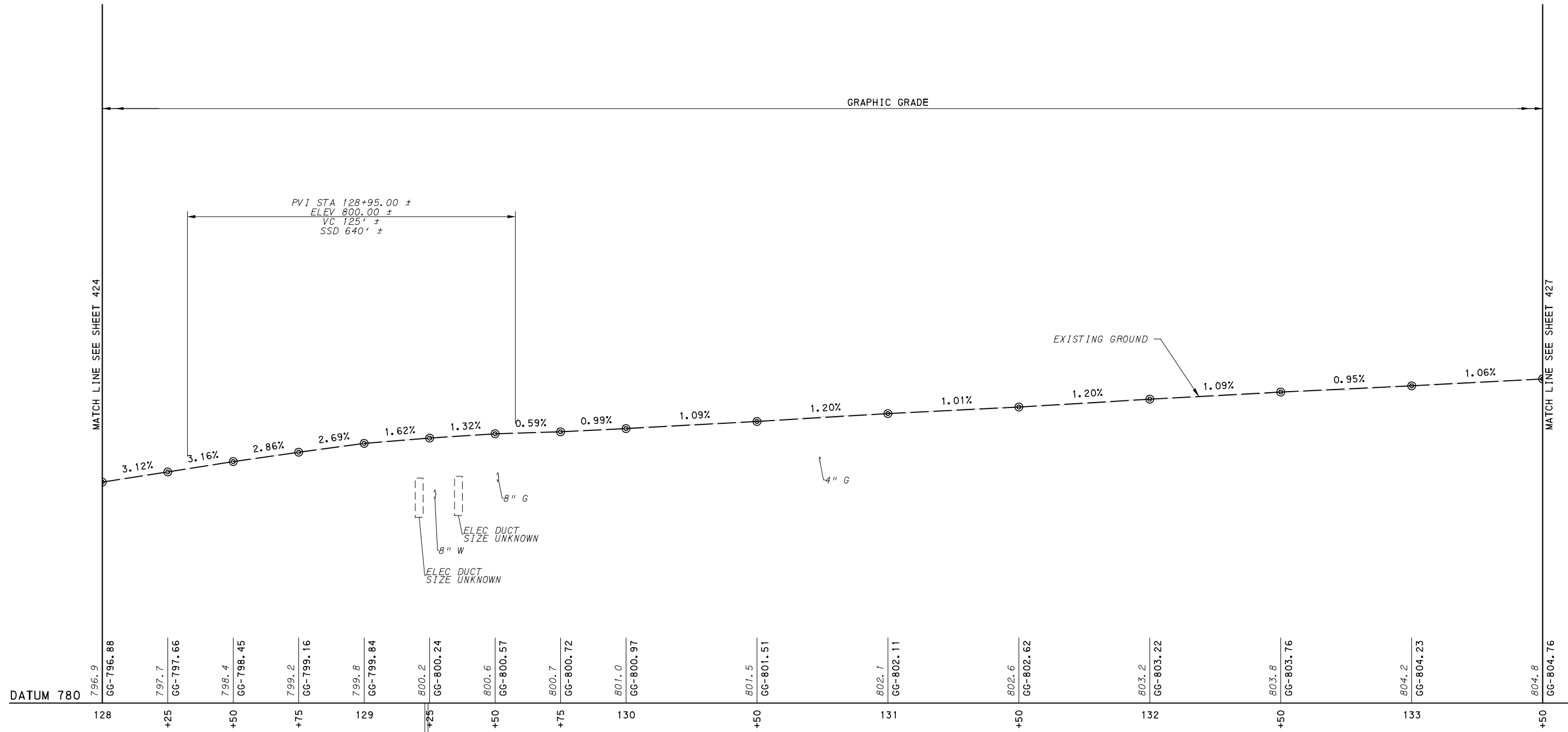
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FORBES AVE - STA 122+00 TO STA 128+00

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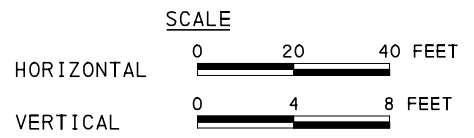
CONTRACT NO. BRT-001

DWG. NO. PP69 SHT. 425



POT STA 129+23.18 FORBES AVE CONSTR B = POT STA 129+24.37 FORBES AVE CONSTR B =
 POT STA 21+00.00 CHATHAM SQ CONSTR B = POT STA 4+00.00 McANULTY DR CONSTR B =

FORBES AVE



[FOR ROADWAY PLAN SEE SHEET 384]

AECOM
 Gulf Tower
 707 Grant Street
 5th Floor
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(NOT FOR CONSTRUCTION)

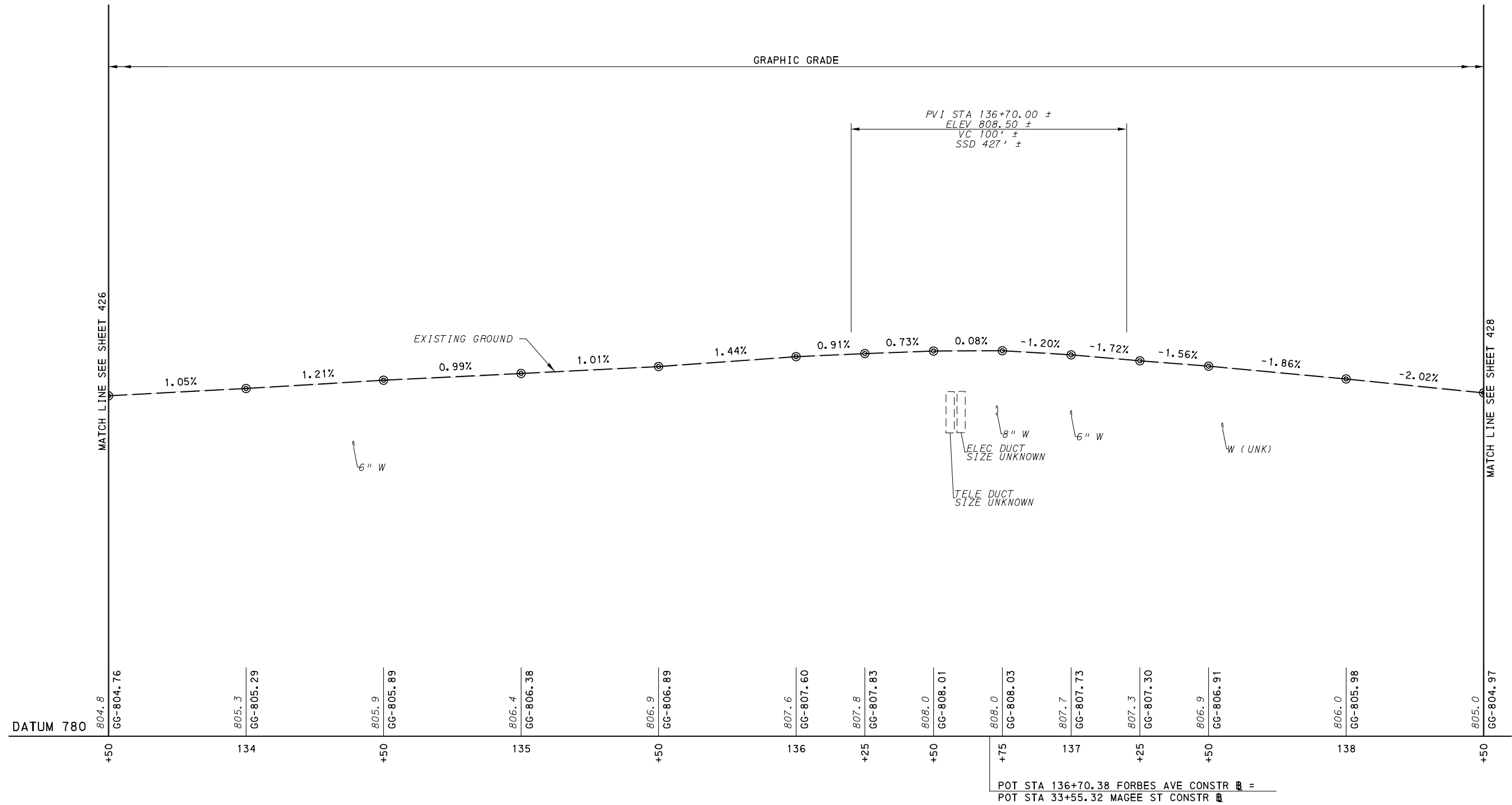
DESIGNED	RRH
DRAWN	RRH
CHECKED	KCF
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FORBES AVE - STA 128+00 TO STA 133+50

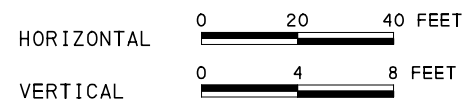
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CONTRACT NO. BRT-001
 DWG. NO. PP70 SHT. 426



FORBES AVE

SCALE



(FOR ROADWAY PLAN SEE SHEET 385)



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 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

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(NOT FOR CONSTRUCTION)

DESIGNED	RRH
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DATE	05/01/24
SCALE	AS SHOWN

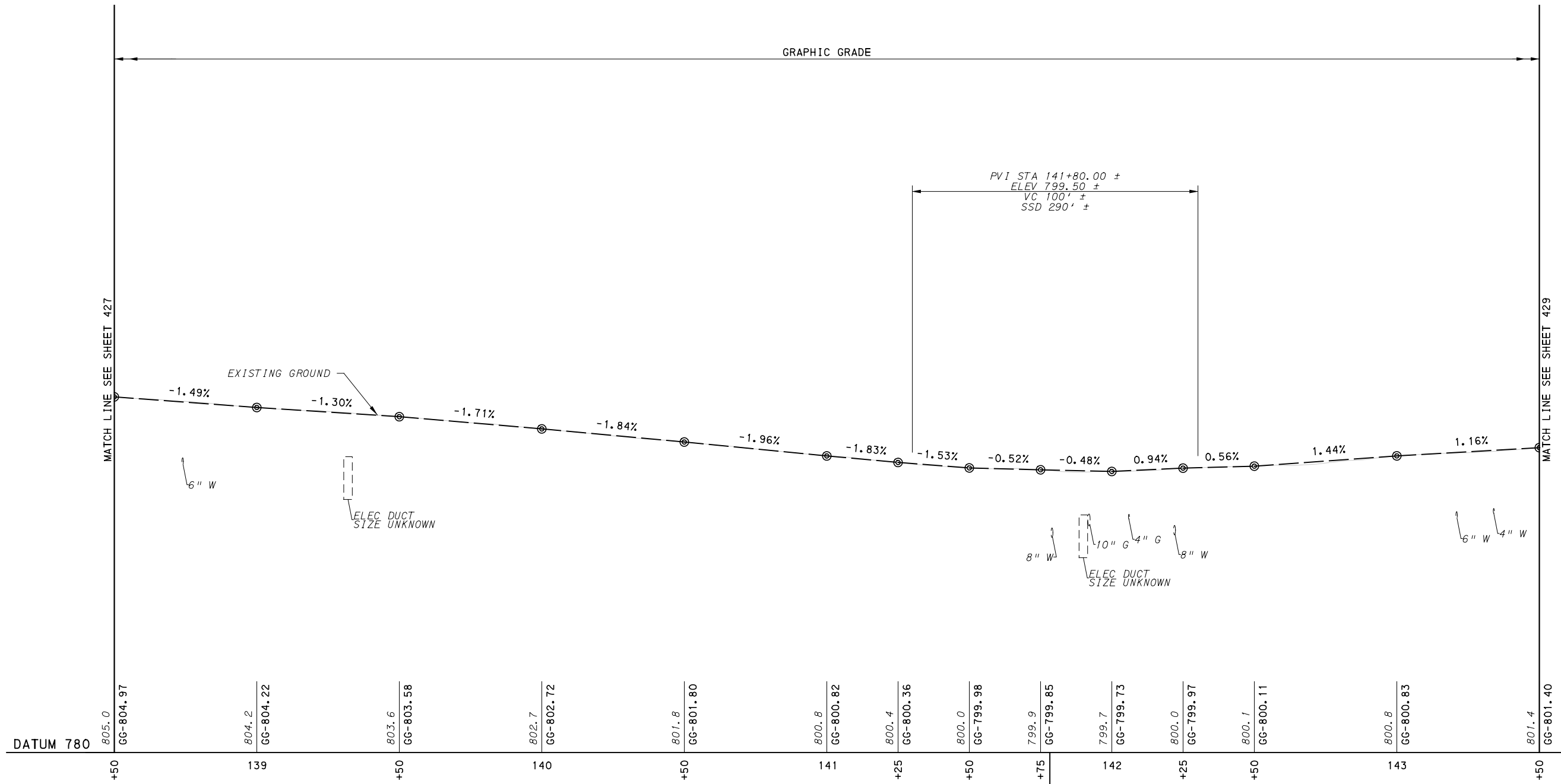
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FORBES AVE - STA 133+50 TO STA 138+50



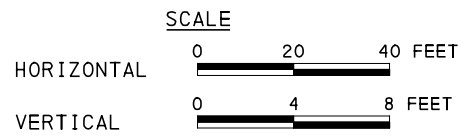
CONTRACT NO. BRT-001

DWG. NO. PP71 SHT. 427



POT STA 141+78.42 FORBES AVE CONSTR =
 POT STA 12+62.16 STEVENSON ST CONSTR =
 POT STA 141+78.10 FORBES AVE CONSTR =
 POT STA 15+00.00 STEVENSON ST CONSTR =

FORBES AVE



[FOR ROADWAY PLAN SEE SHEET 386]



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DESIGNED	RRH
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IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

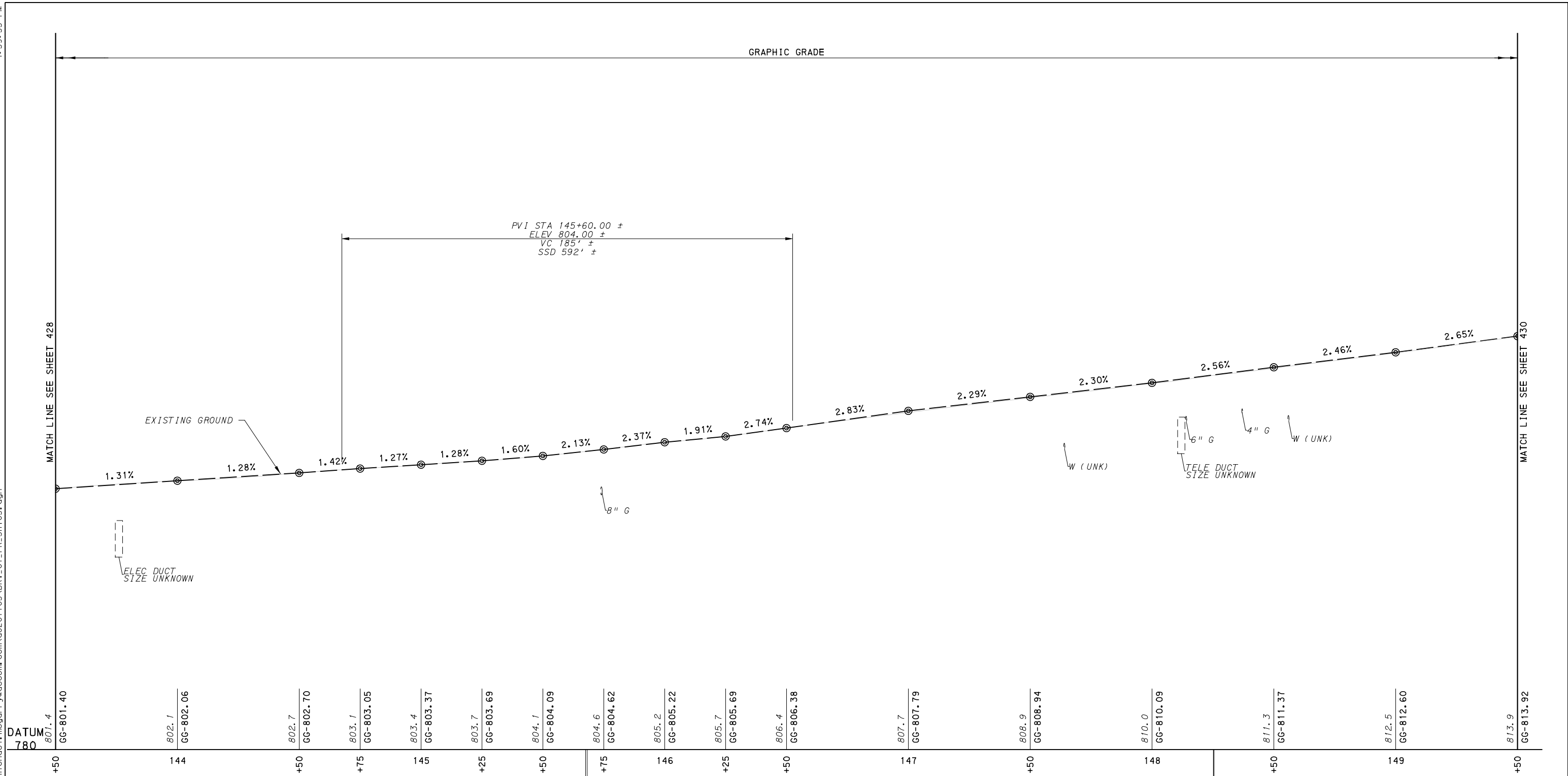
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FORBES AVE - STA 138+50 TO STA 143+50

Port Authority connecting people to life™

CONTRACT NO. BRT-001

DWG. NO. PP72 SHT. 428



DATUM 780	801.4 GG-801.40	802.1 GG-802.06	802.7 GG-802.70	803.1 GG-803.05	803.4 GG-803.37	803.7 GG-803.69	804.1 GG-804.09	804.6 GG-804.62	805.2 GG-805.22	805.7 GG-805.69	806.4 GG-806.38	807.7 GG-807.79	808.9 GG-808.94	810.0 GG-810.09	811.3 GG-811.37	812.5 GG-812.60	813.9 GG-813.92
+50	144	+50	+75	145	+25	+50	+75	146	+25	+50	147	+50	148	+50	149	+50	
POT STA 145+67.52 FORBES AVE CONSTR = POT STA 12+47.61 PRIDE ST CONSTR = POT STA 145+68.18 FORBES AVE CONSTR = POT STA 26+76.30 PRIDE ST CONSTR =							FORBES AVE					POT STA 148+25.18 FORBES AVE CONSTR = POT STA 19+91.52 MARION ST CONSTR = POT STA 148+25.47 FORBES AVE CONSTR = POT STA 12+84.50 MARION ST CONSTR =					
SCALE HORIZONTAL 0 20 40 FEET VERTICAL 0 4 8 FEET																	

[FOR ROADWAY PLAN SEE SHEET 387]



NO.	DATE	DESCRIPTION
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(NOT FOR CONSTRUCTION)

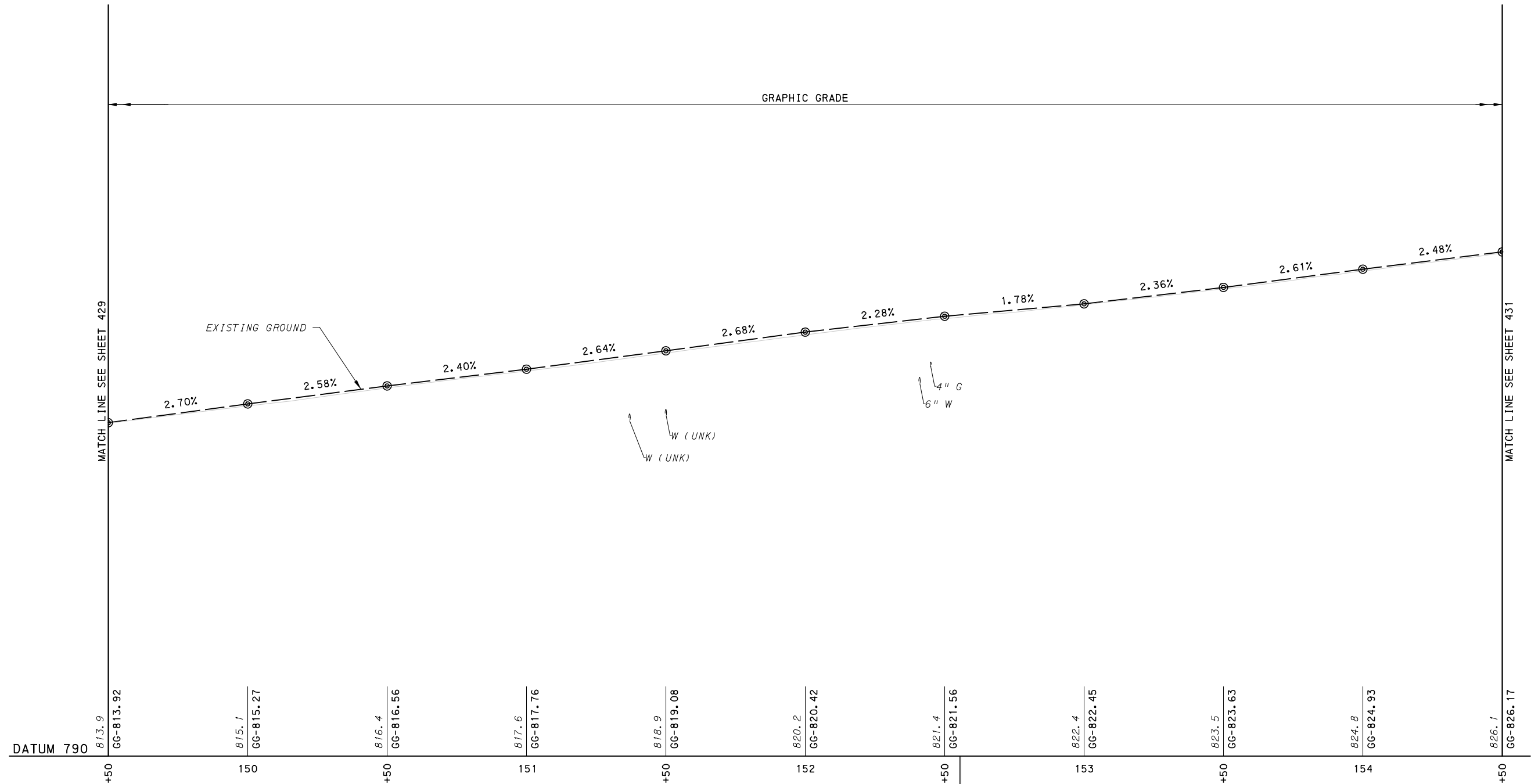
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IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FORBES AVE - STA 143+50 TO STA 149+50

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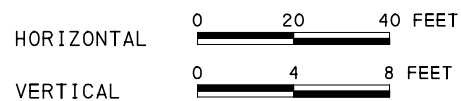
CONTRACT NO. BRT-001	
DWG. NO. PP73	SHT. 429



POT STA 152+55.72 FORBES AVE CONSTR B =
 POT STA 12+71.01 VAN BRAAM ST CONSTR B =
 POT STA 152+55.30 FORBES AVE CONSTR B =
 POT STA 20+00.00 VAN BRAAM ST CONSTR B =

FORBES AVE

SCALE



[FOR ROADWAY PLAN SEE SHEET 388]



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 5th Floor
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GANNETT FLEMING, INC.
 Foster Plaza 8
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 730 Holiday Drive
 Pittsburgh, PA. 15220

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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

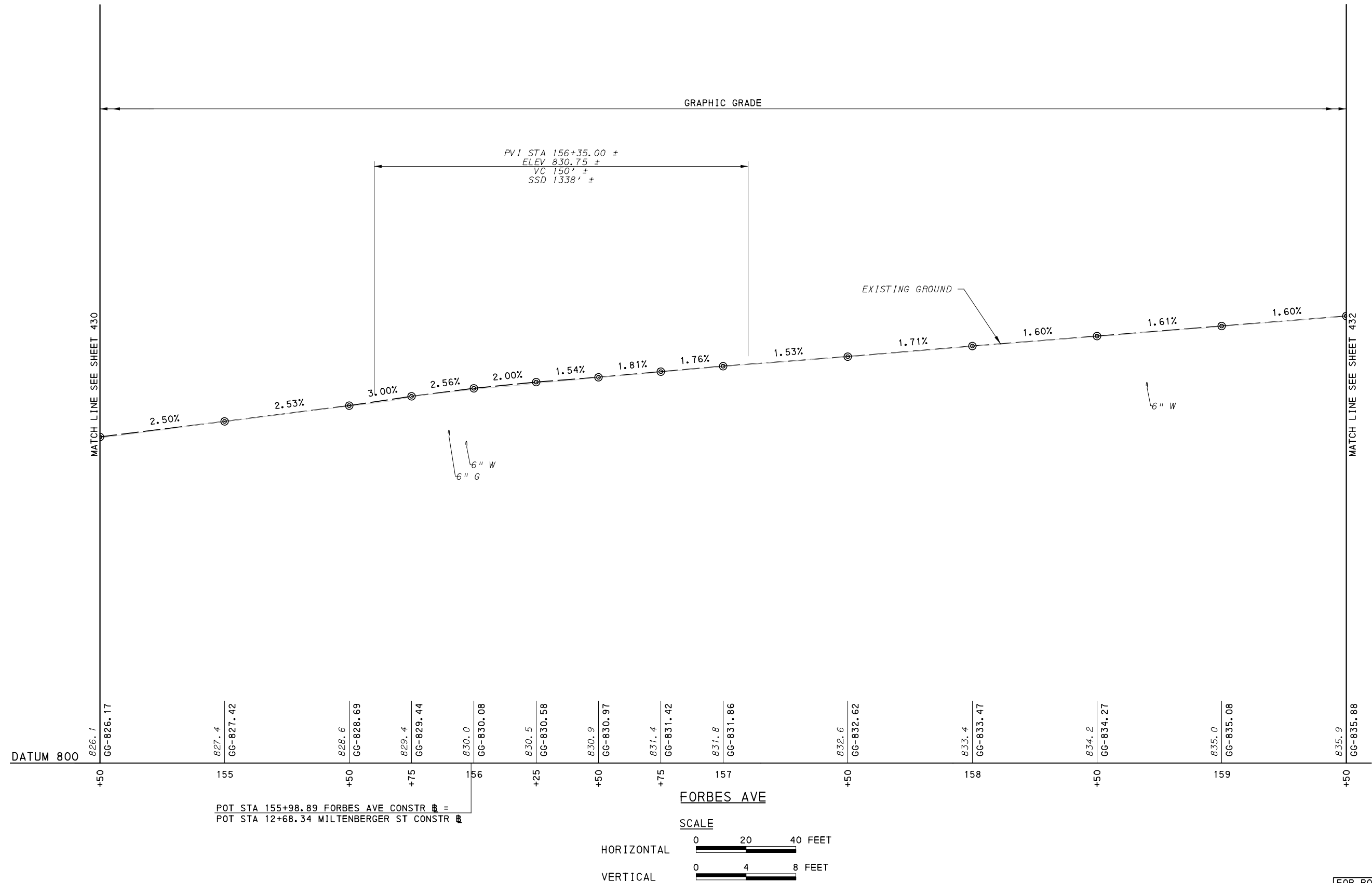
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FORBES AVE - STA 149+50 TO STA 154+50



CONTRACT NO. BRT-001

DWG. NO. PP74

SHT. 430



FOR ROADWAY PLAN SEE SHEET 389



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 707 Grant Street
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GANNETT FLEMING, INC.
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 730 Holiday Drive
 Pittsburgh, PA. 15220

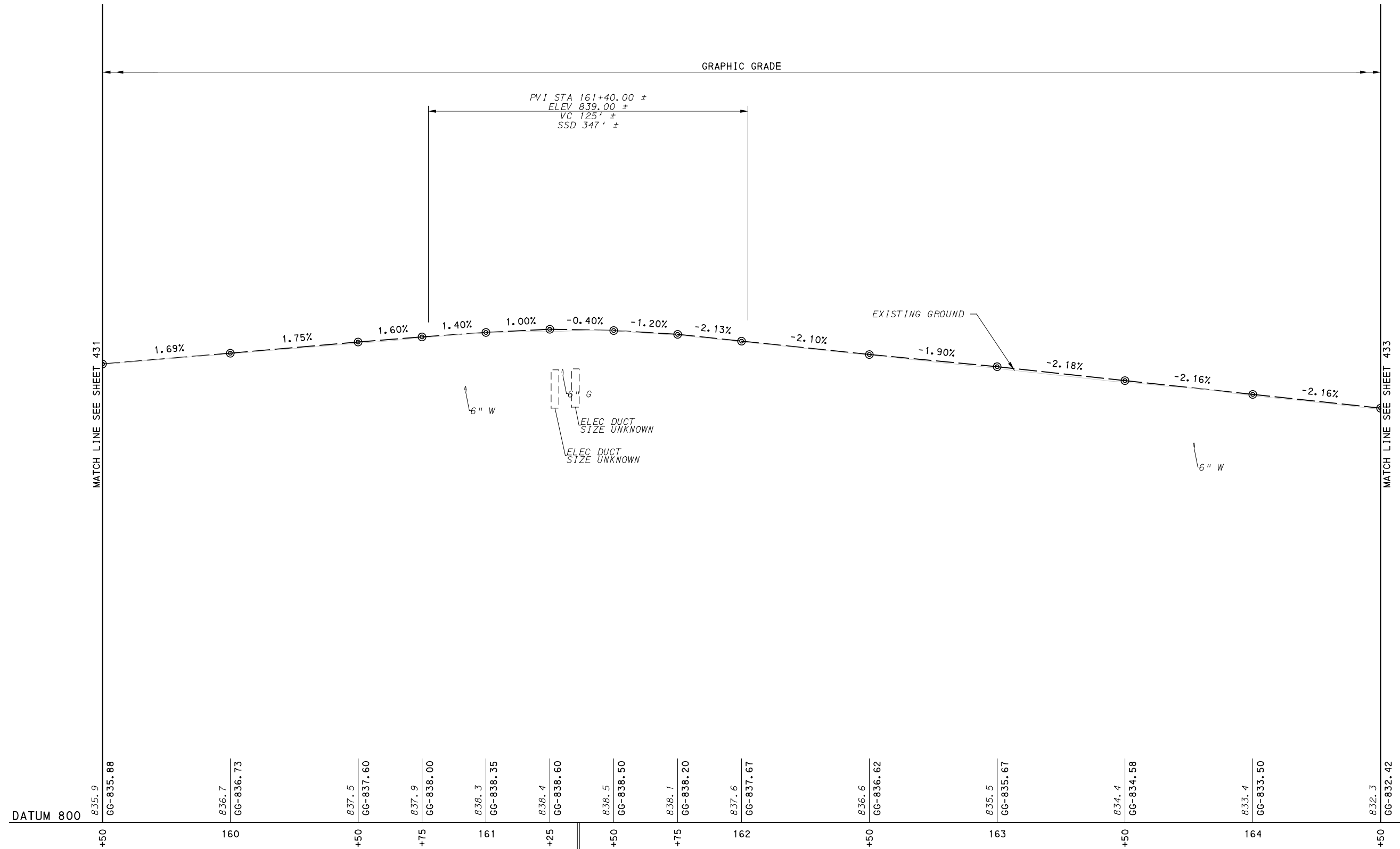
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PROFILE FORBES AVE - STA 154+50 TO STA 159+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
DWG. NO. PP75	SHT. 431



DATUM 800

POT STA 161+35.81 FORBES AVE CONSTR =

POT STA 20+00.00 GIST ST CONSTR =

POT STA 161+36.61 FORBES AVE CONSTR =

POT STA 12+71.89 GIST ST CONSTR =



(FOR ROADWAY PLAN SEE SHEET 390)



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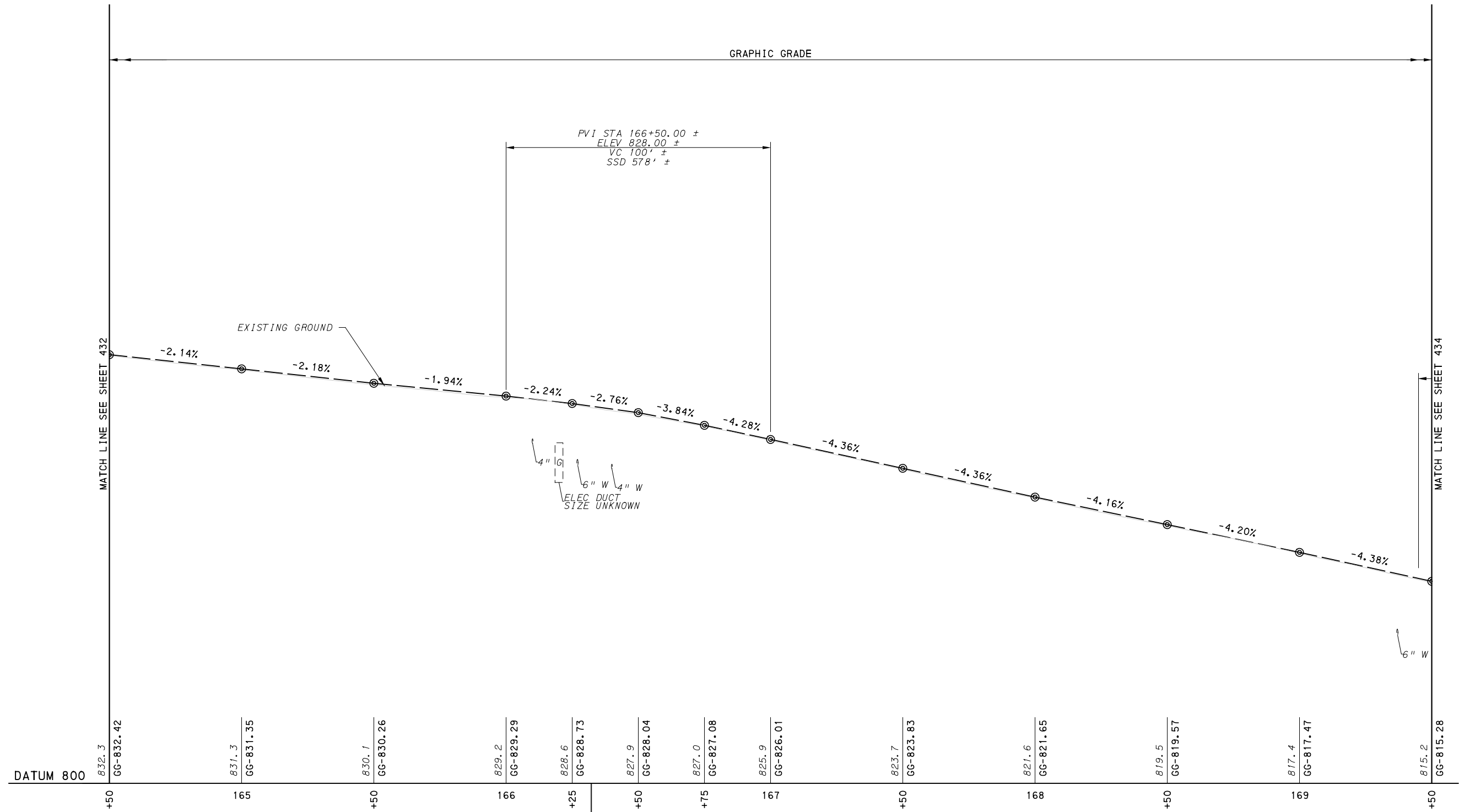
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FORBES AVE - STA 159+50 TO STA 164+50

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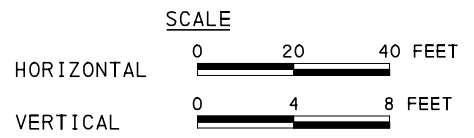
CONTRACT NO. BRT-001

DWG. NO. PP76 SHT. 432



POT STA 166+32.14 FORBES AVE CONSTR B =
 POT STA 12+38.61 JUMONVILLE ST CONSTR B =
 POT STA 166+32.35 FORBES AVE CONSTR B =
 POT STA 20+00.00 JUMONVILLE ST CONSTR B =

FORBES AVE



(FOR ROADWAY PLAN SEE SHEET 391)



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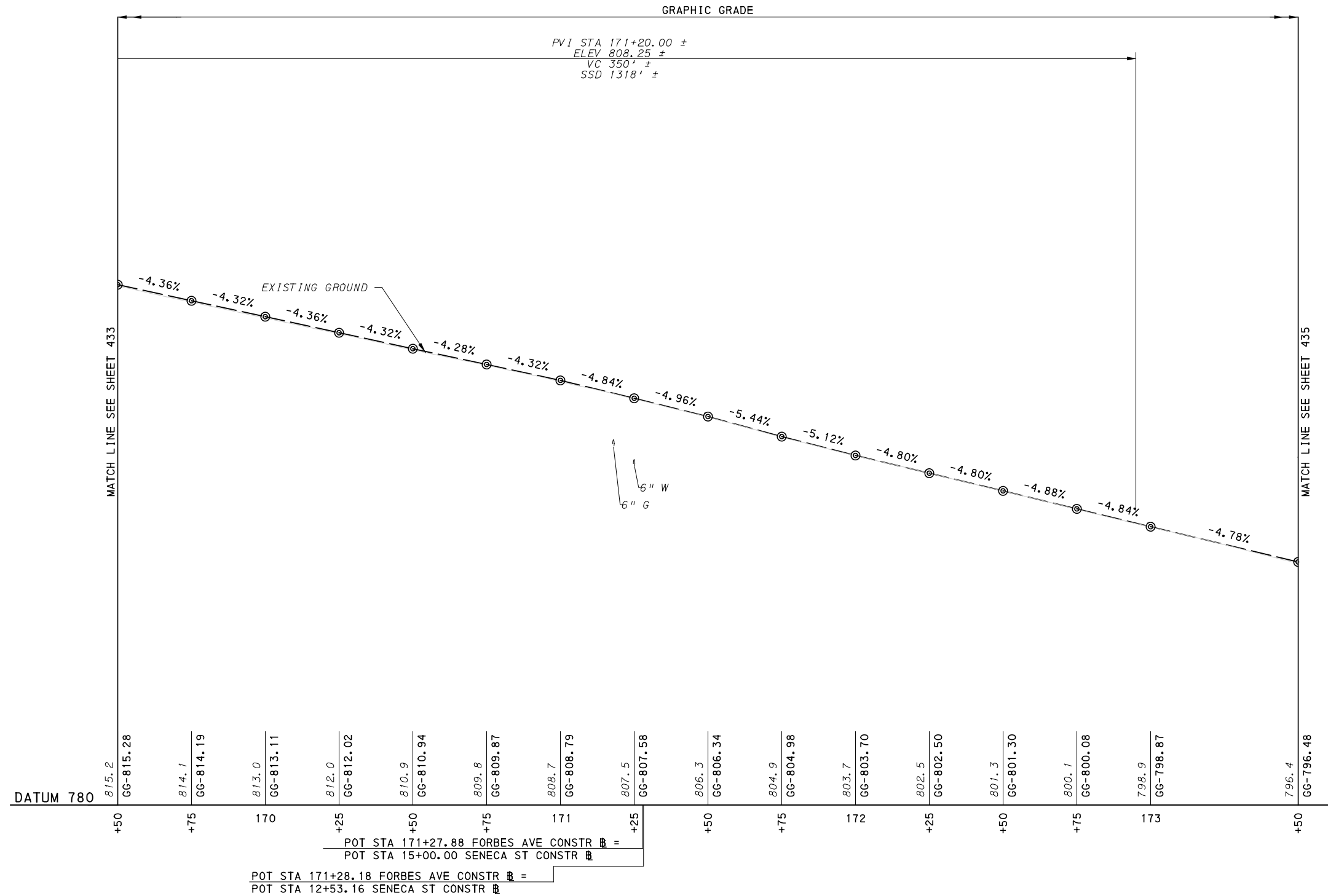
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IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FORBES AVE - STA 164+50 TO STA 169+50

Port Authority
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CONTRACT NO. BRT-001	
DWG. NO. PP77	SHT. 433



FORBES AVE

SCALE



[FOR ROADWAY PLAN SEE SHEET 392]



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 5th Floor
 Pittsburgh, PA 15219



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 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

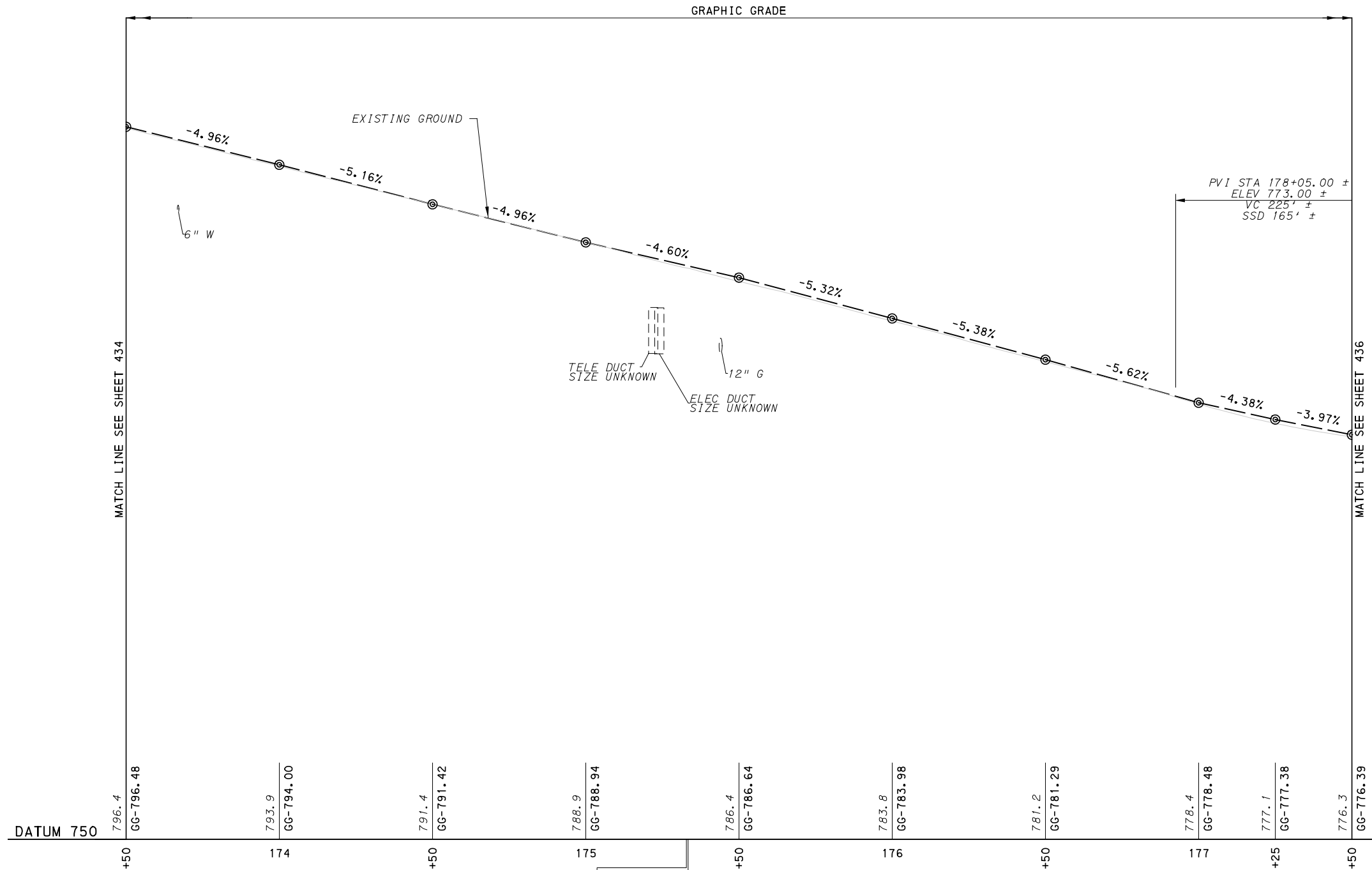
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FORBES AVE - STA 169+50 TO STA 173+50



CONTRACT NO. BRT-001

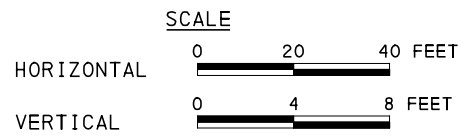
DWG. NO. PP78

SHT. 434



POT STA 175+32.83 FORBES AVE CONSTR =
 POT STA 53+00.00 MOULTRIE ST CONSTR =
 POT STA 175+33.40 FORBES AVE CONSTR =
 POT STA 52+68.65 MOULTRIE ST CONSTR =

FORBES AVE



[FOR ROADWAY PLAN SEE SHEET 393]



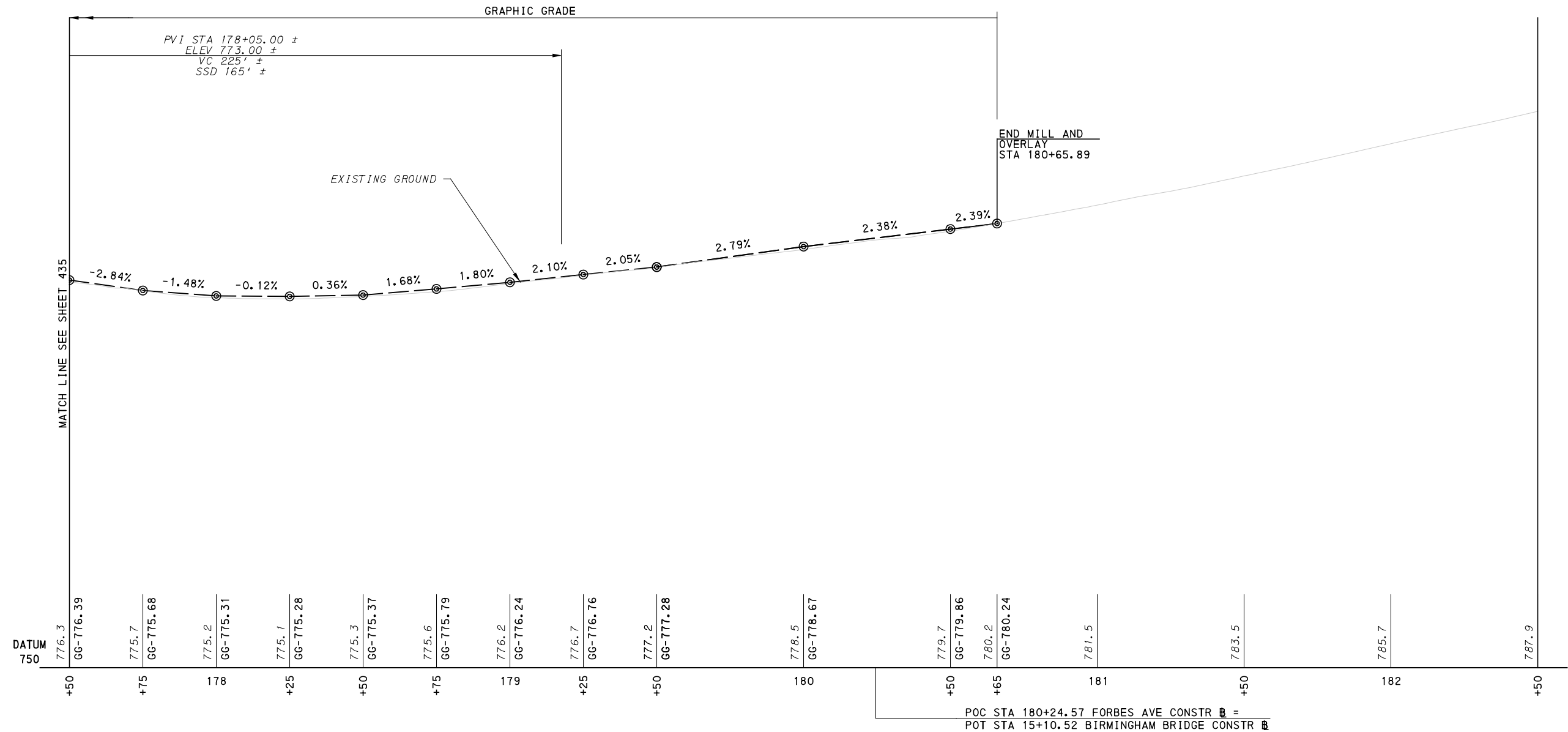
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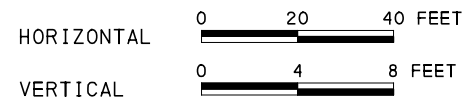
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CHECKED	KCF
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PROFILE FORBES AVE - STA 173+50 TO STA 177+50	
Port Authority connecting people to life®	CONTRACT NO. BRT-001 DWG. NO. PP79 SHT. 435



FORBES AVE

SCALE



[FOR ROADWAY PLAN SEE SHEET 394]



Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219



GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

DESIGNED	RRH
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SCALE	AS SHOWN

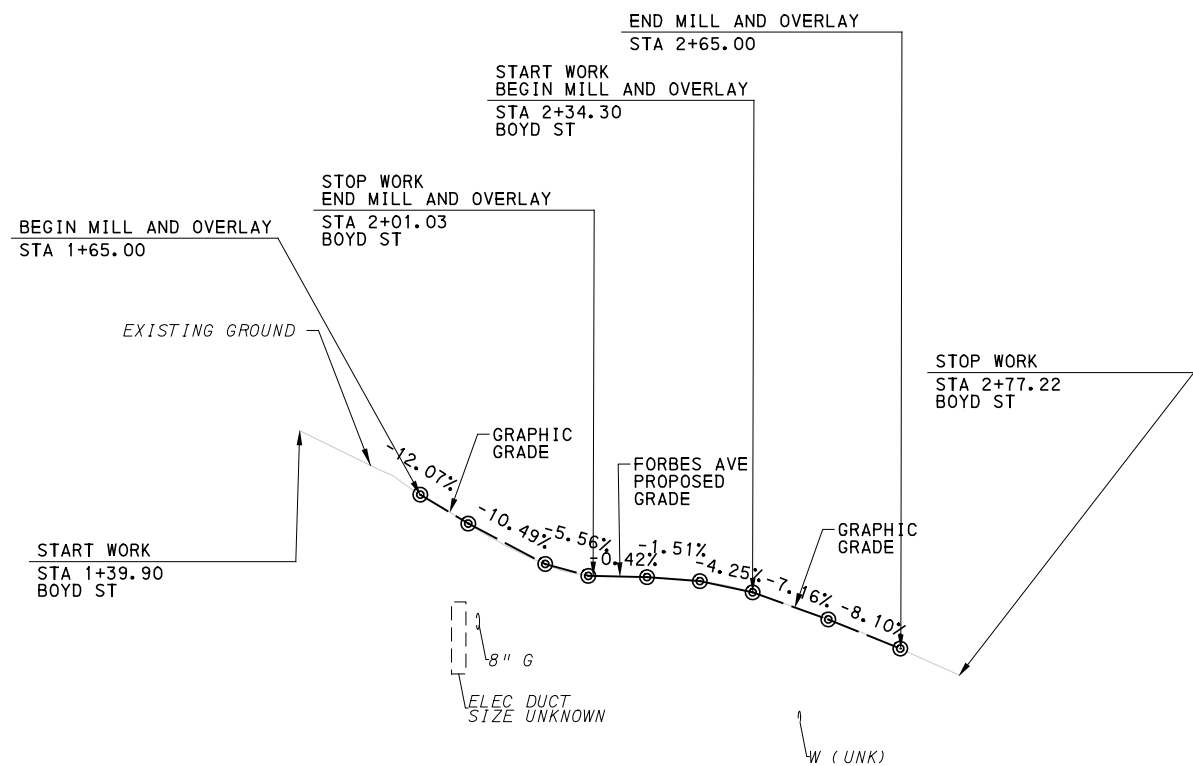
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 FORBES AVE - STA 177+50 TO STA 182+50



CONTRACT NO. BRT-001

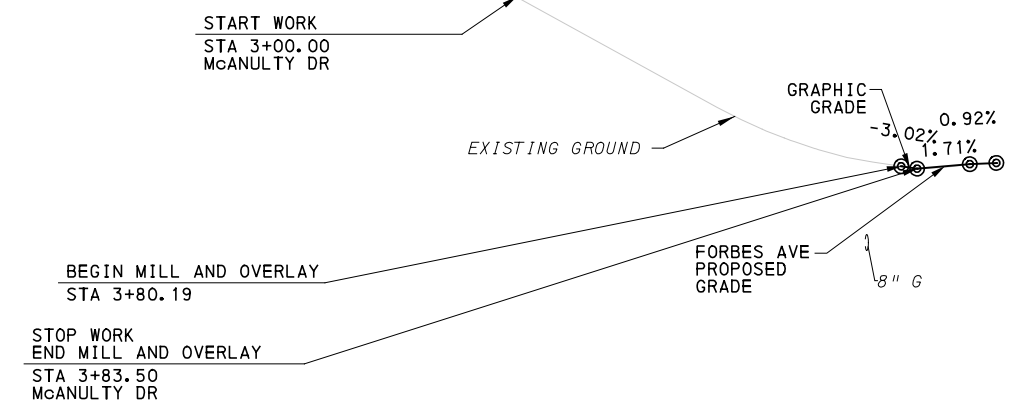
DWG. NO. PP80 SHT. 436



STATION	EG	GG	PG
+50			
+65	784.8	GG-784.81	
+75		783.6	GG-783.60
+91		781.9	
+2		GG-781.92	
+12		781.4	GG-781.42
+23		781.2	
+34		780.7	GG-780.73
+50		779.6	GG-779.61
+65		778.4	GG-778.39

POT STA 122+86.46 FORBES AVE CONSTR =
 POT STA 2+17.73 BOYD ST CONSTR =

BOYD ST

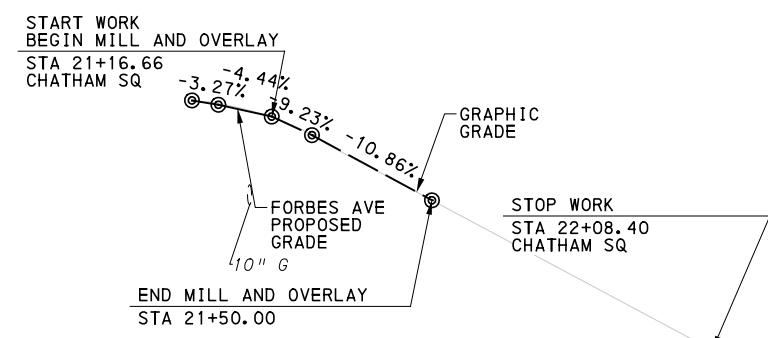


STATION	EG	GG	PG
+3			
+50	801.7		
+80		800.1	GG-800.09
+84		800.0	GG-799.99
+94		800.2	

DATUM 780

POT STA 4+00.00 McNULTY DR CONSTR =
 POT STA 21+00.00 CHATHAM SQ CONSTR 1.18' LT

McNULTY DR

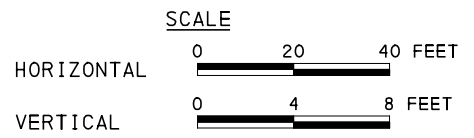


STATION	EG	GG	PG
21+06	800.1		
+17	799.5		
+25		GG-799.54	
		GG-798.77	
+50		GG-796.05	
22			

DATUM 780

POT STA 4+00.00 McNULTY DR CONSTR =
 POT STA 21+00.00 CHATHAM SQ CONSTR 1.18' LT

CHATHAM SQ



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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

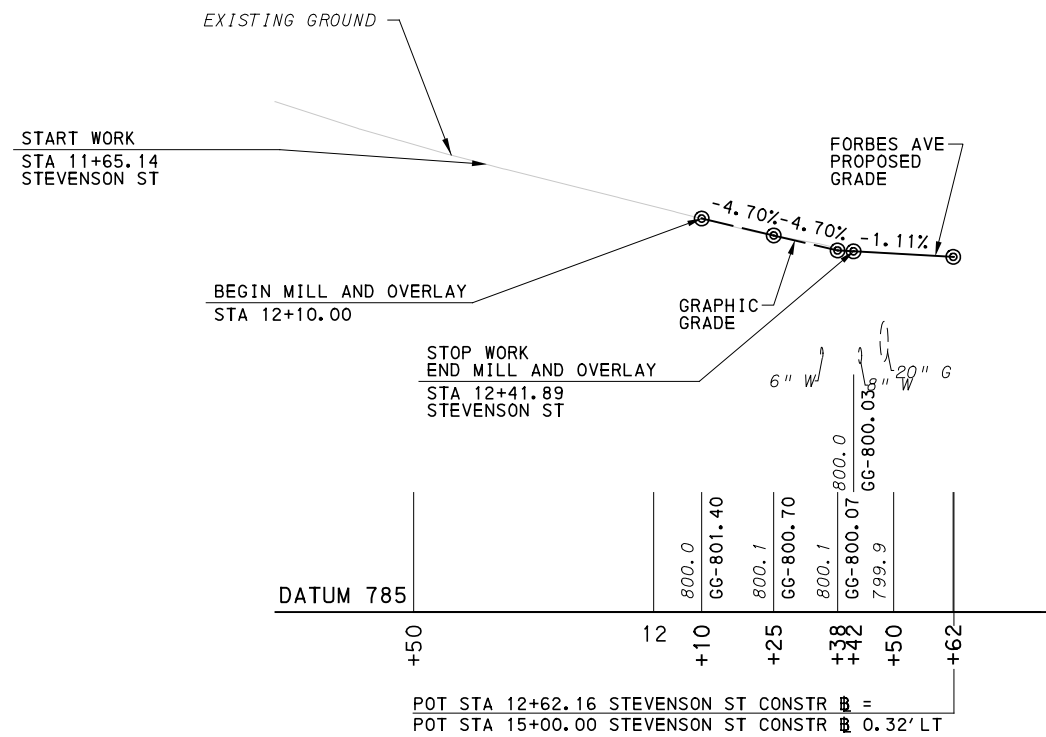
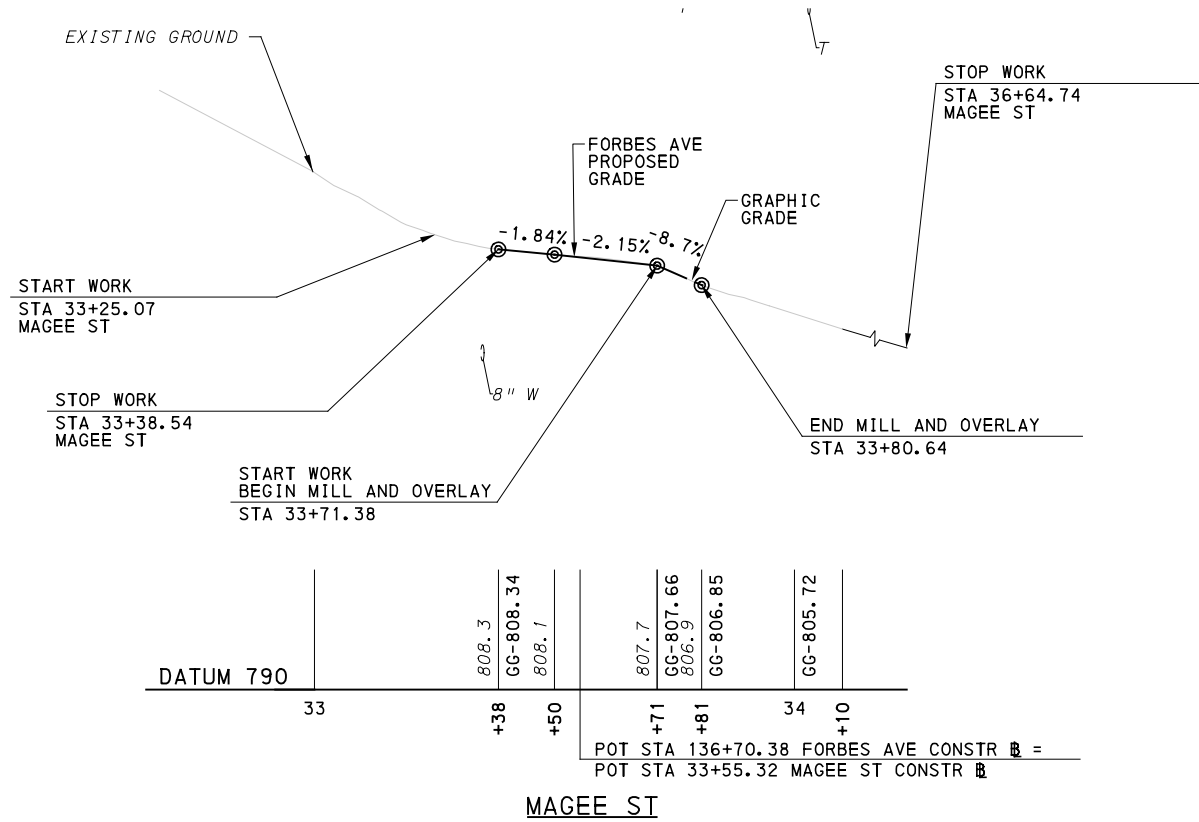
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 BOYD ST, McNULTY ST, CHATHAM SQ

Port Authority connecting people to life

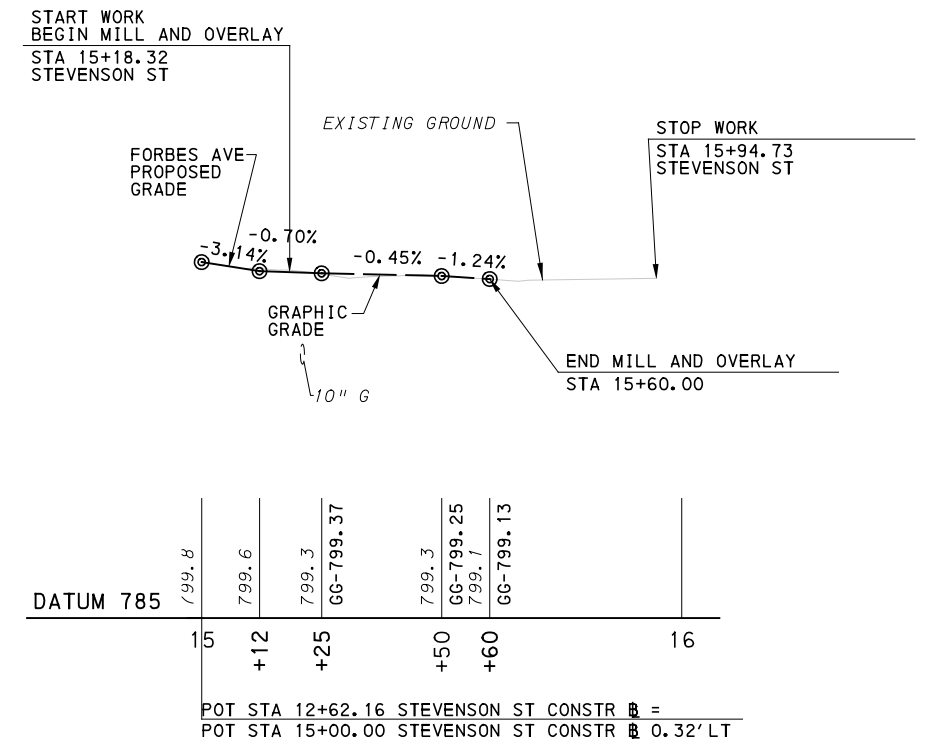
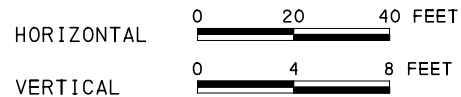
CONTRACT NO. BRT-001
 DWG. NO. PP81 SHT. 437

PLOTTED: 3/21/2024 5:02:07 PM

OPERATOR: "mi chae.l. mcgarry"
 FILE PATH: c:\pwworking\aecocom.com\d0207703\BRT_07_PR_SHT31.dgn



SCALE



AECOM
 Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

GANNETT FLEMING
 GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

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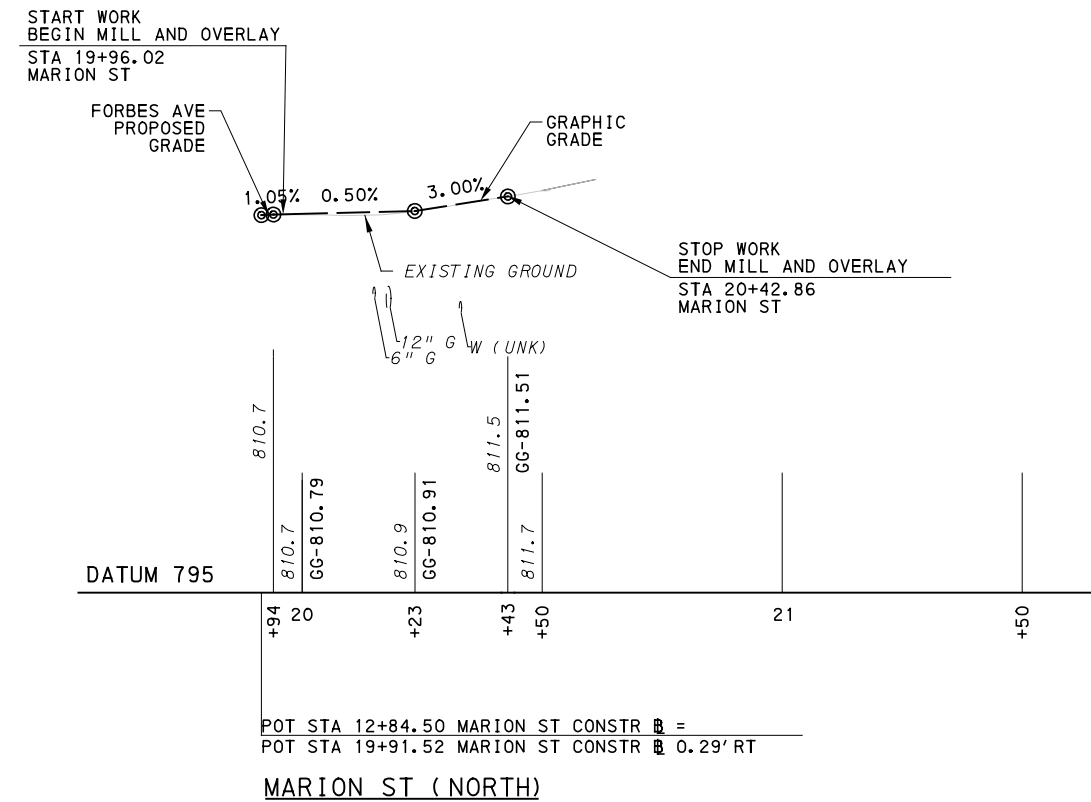
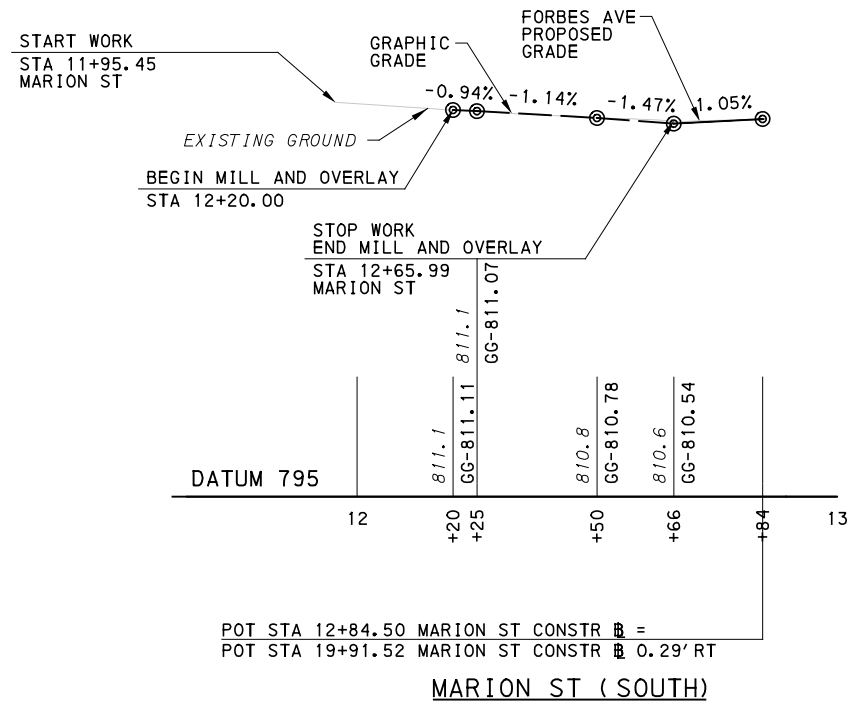
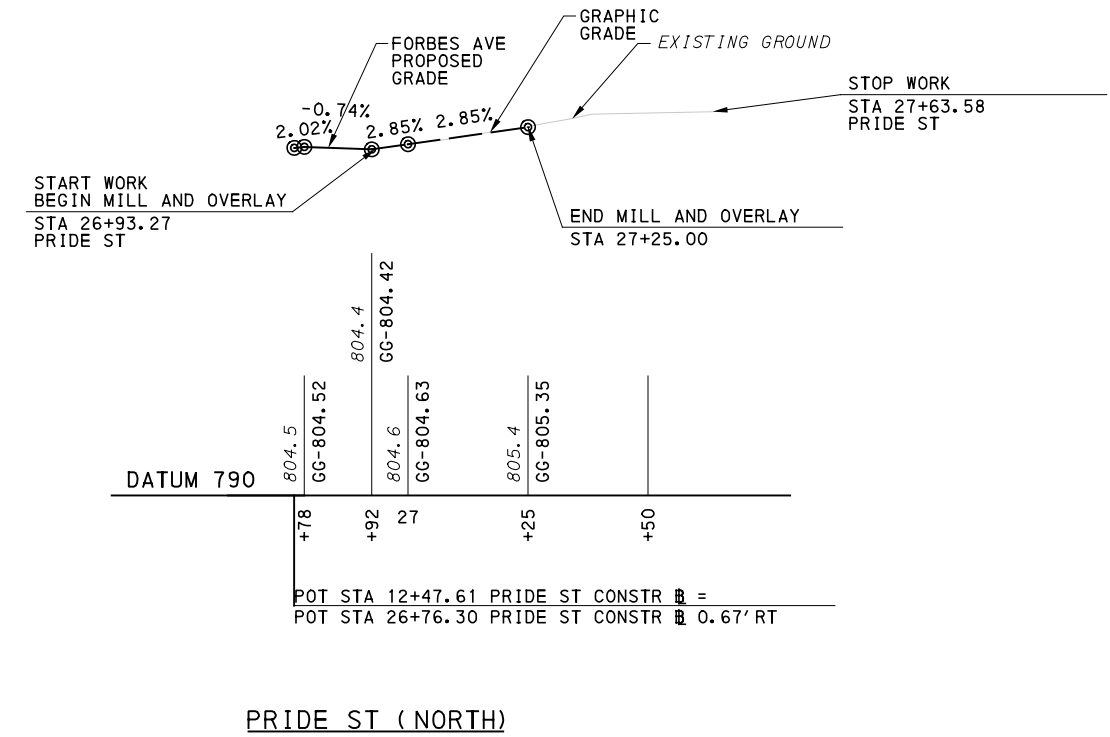
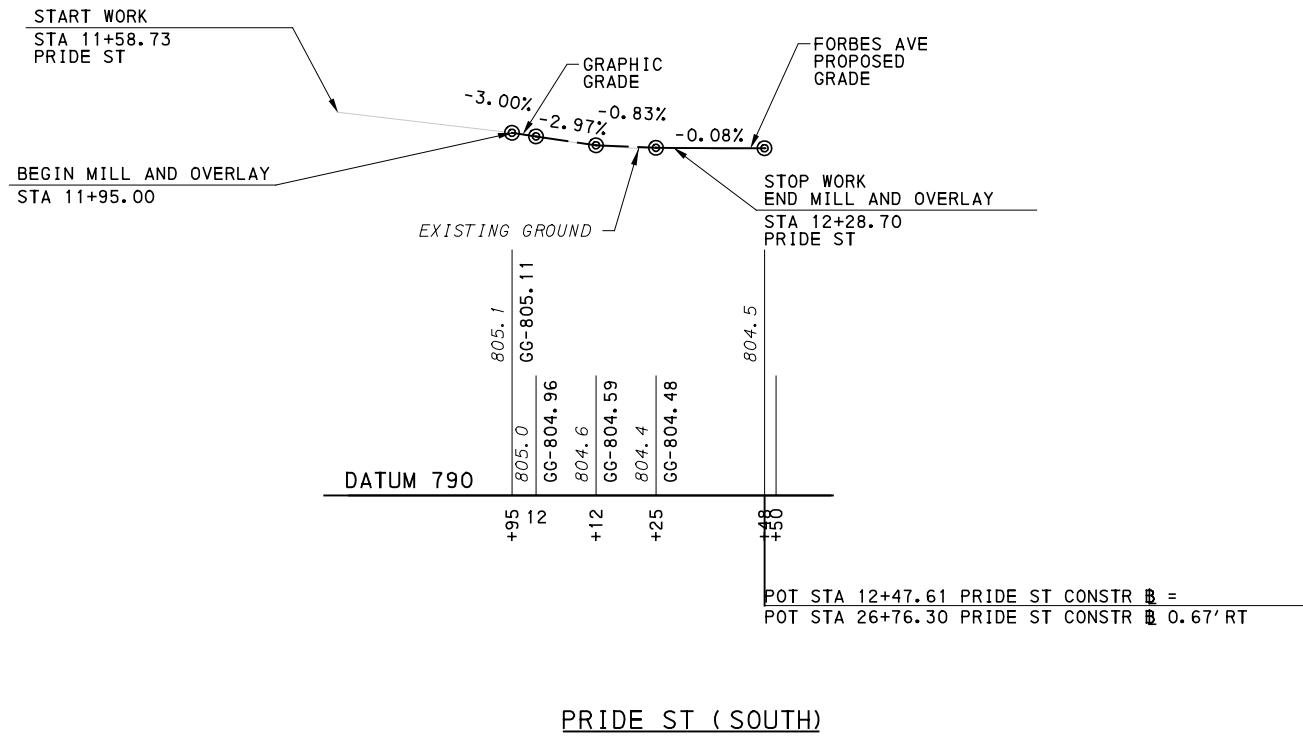
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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND ROADWAY PROFILE MAGEE ST AND STEVENSON ST	
Port Authority connecting people to life	CONTRACT NO. BRT-001
DWG. NO. PP82	SHT. 438

PLOTTED: 3/21/2024 5:02:23 PM

OPERATOR: "michele.l.mcgarry"
 FILE PATH: c:\pwworking\aecocom\ds16_md\michele.l.mcgarry\aecocom\dwg\0207703\BRT_07_PR_SHT32.dgn



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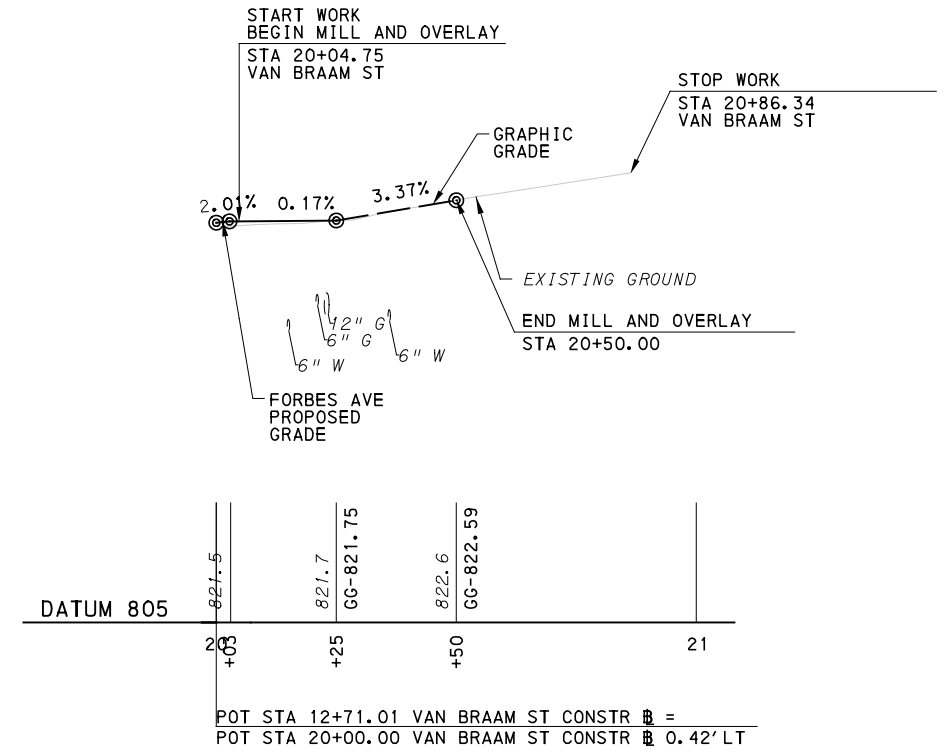
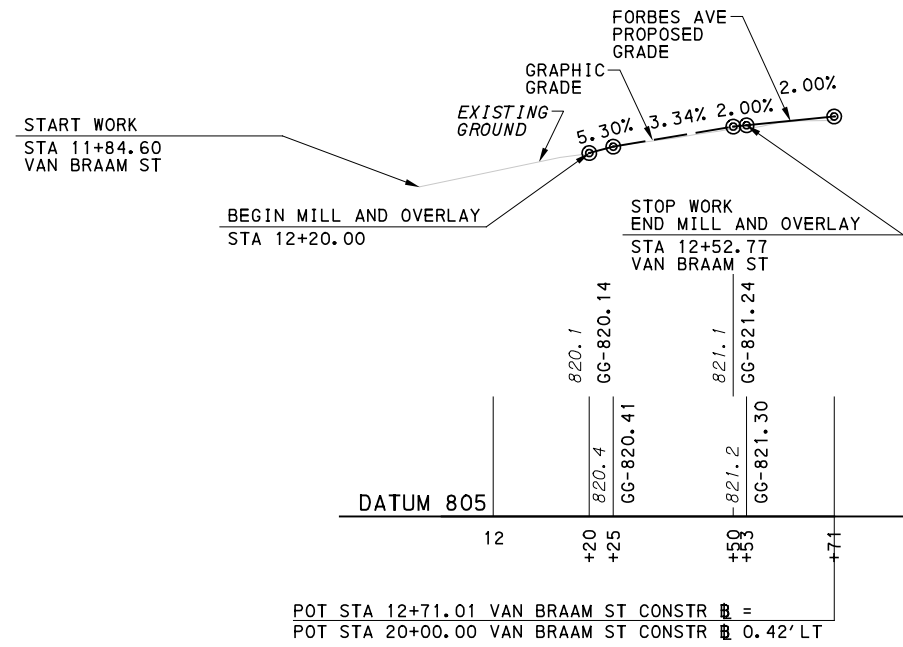
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 PRIDE ST AND MARION ST

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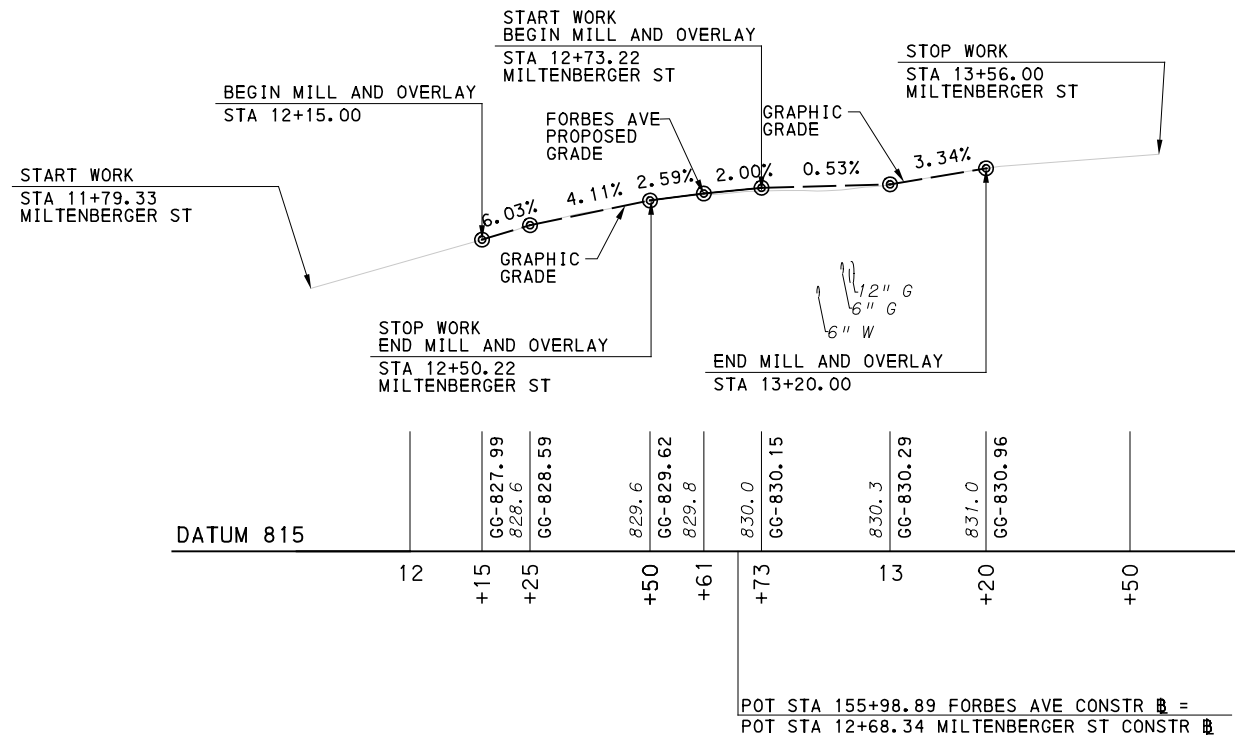
CONTRACT NO. BRT-001

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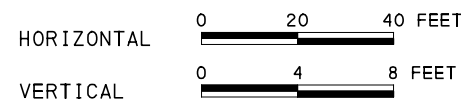
VAN BRAAM ST (SOUTH)

VAN BRAAM ST (NORTH)



MILTENBERGER ST

SCALE



Gulf Tower
 707 Grant Street
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 Foster Plaza 8
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 730 Holiday Drive
 Pittsburgh, PA. 15220

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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

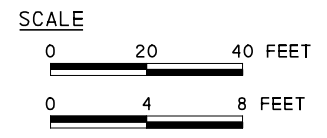
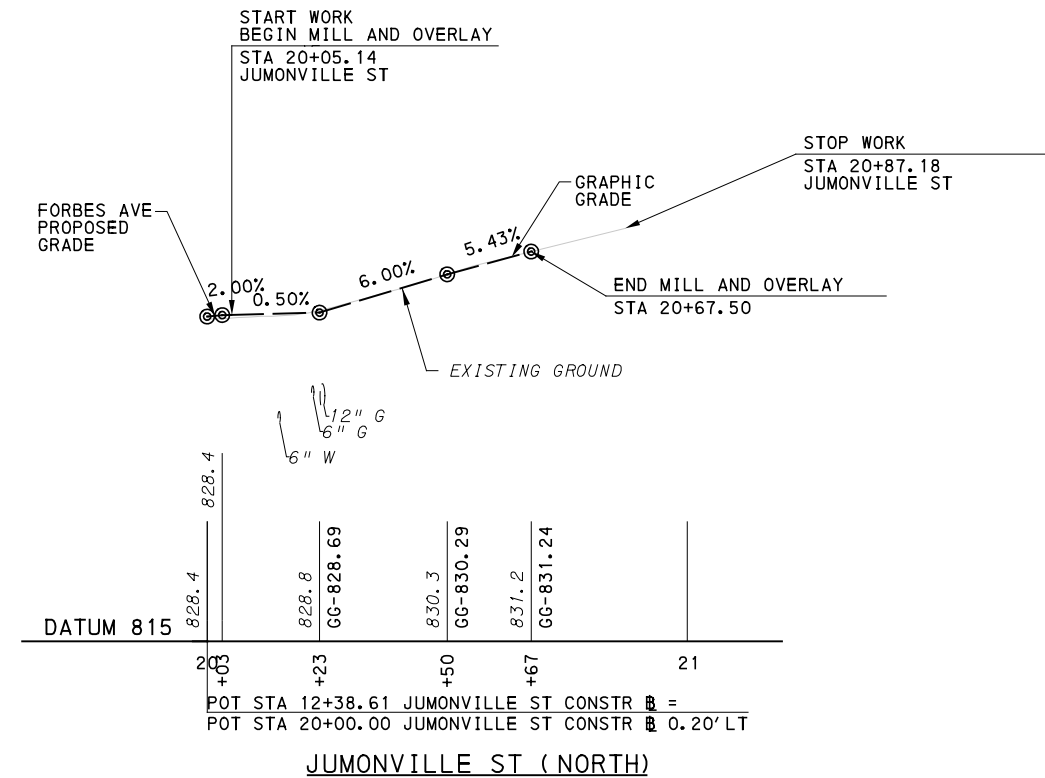
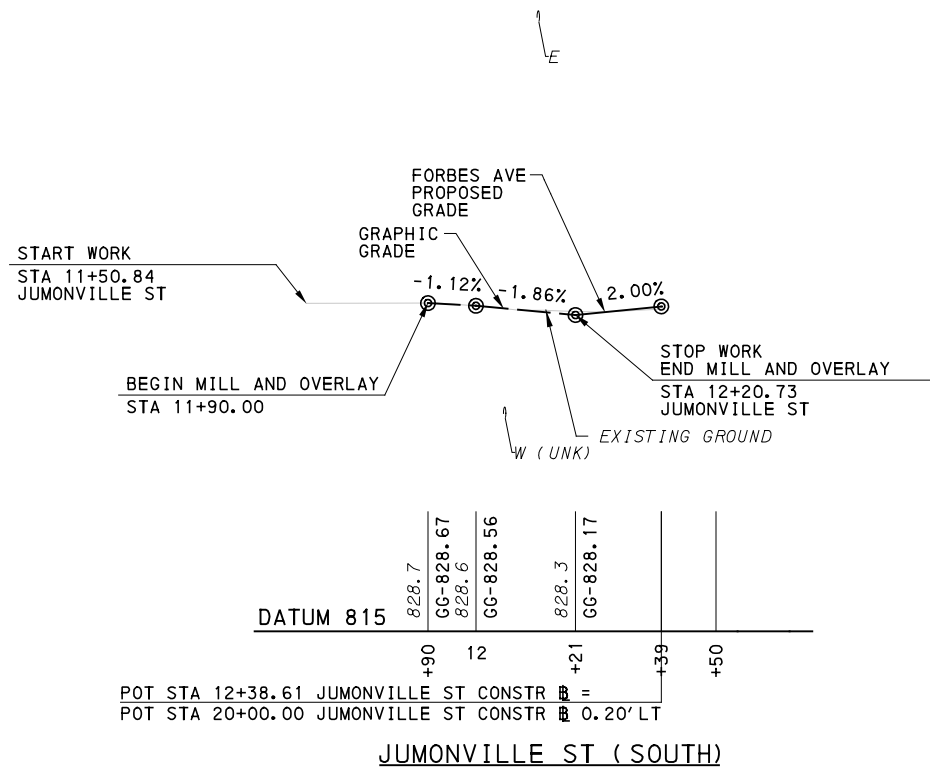
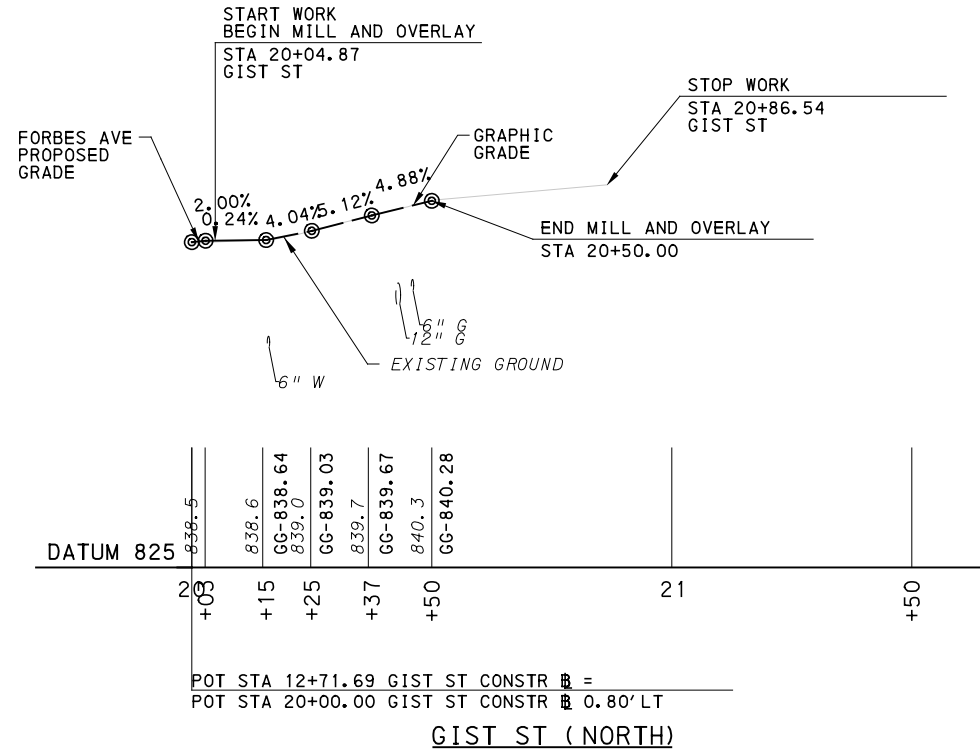
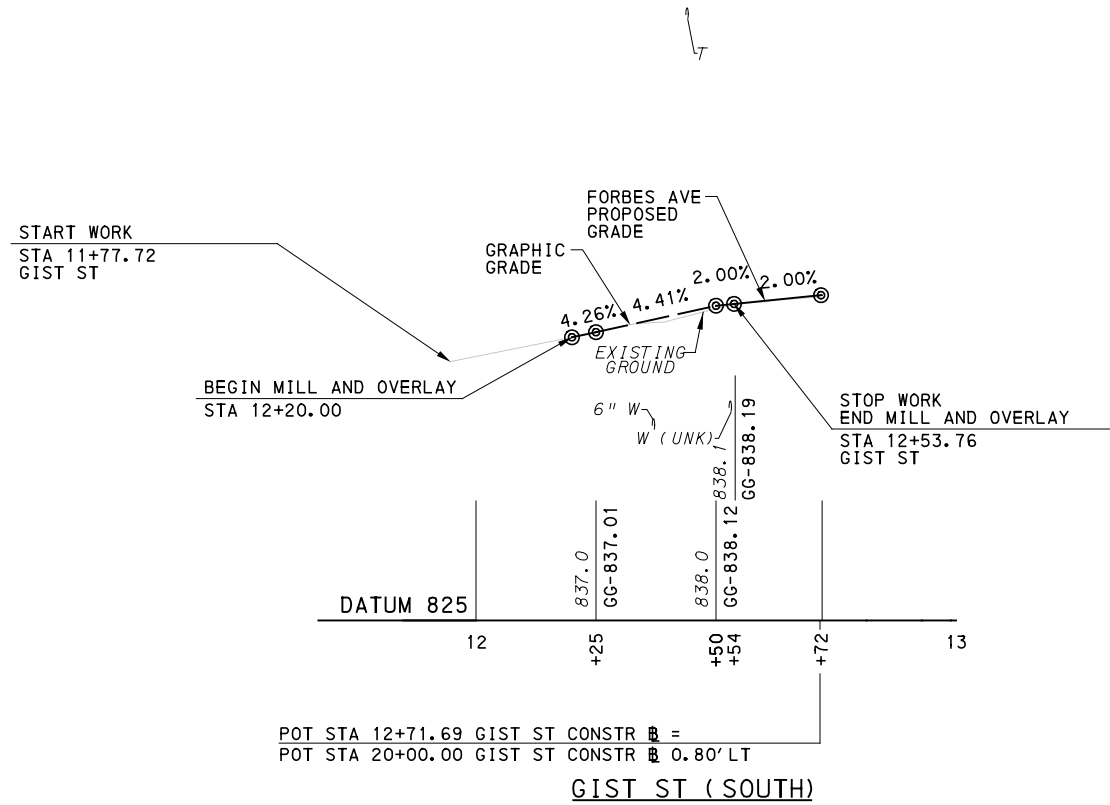
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 VAN BRAAM ST AND MILTENBERGER ST



CONTRACT NO. BRT-001

DWG. NO. PP84

SHT. 440



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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH, PENNSYLVANIA

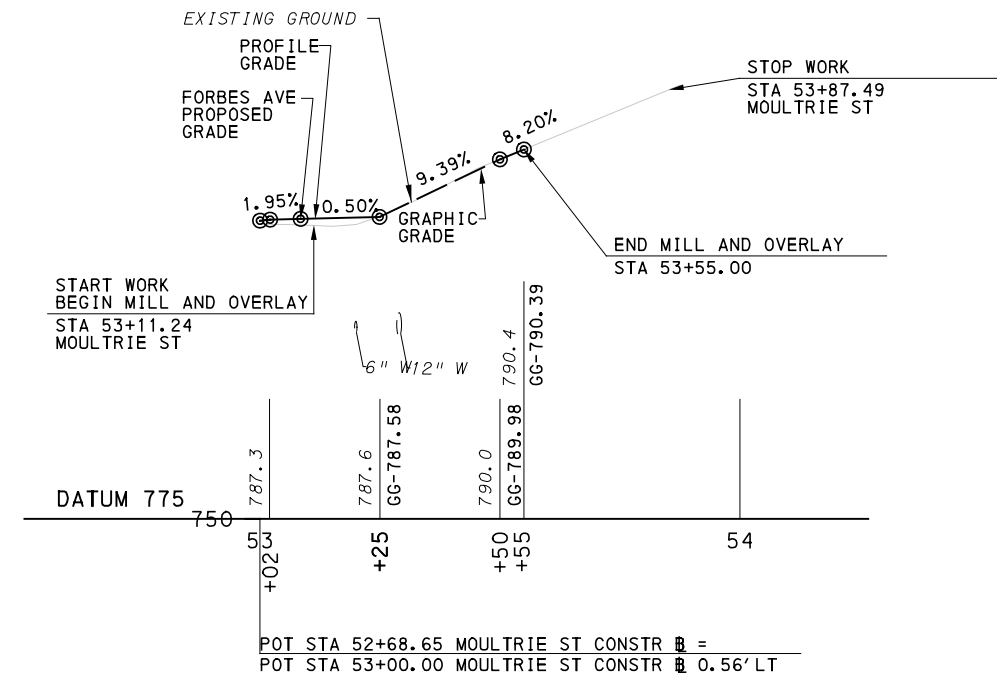
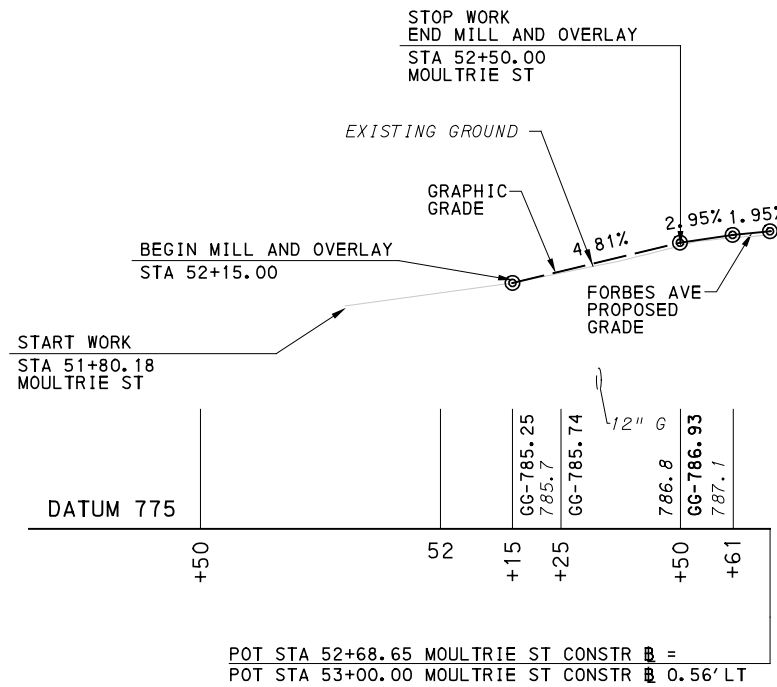
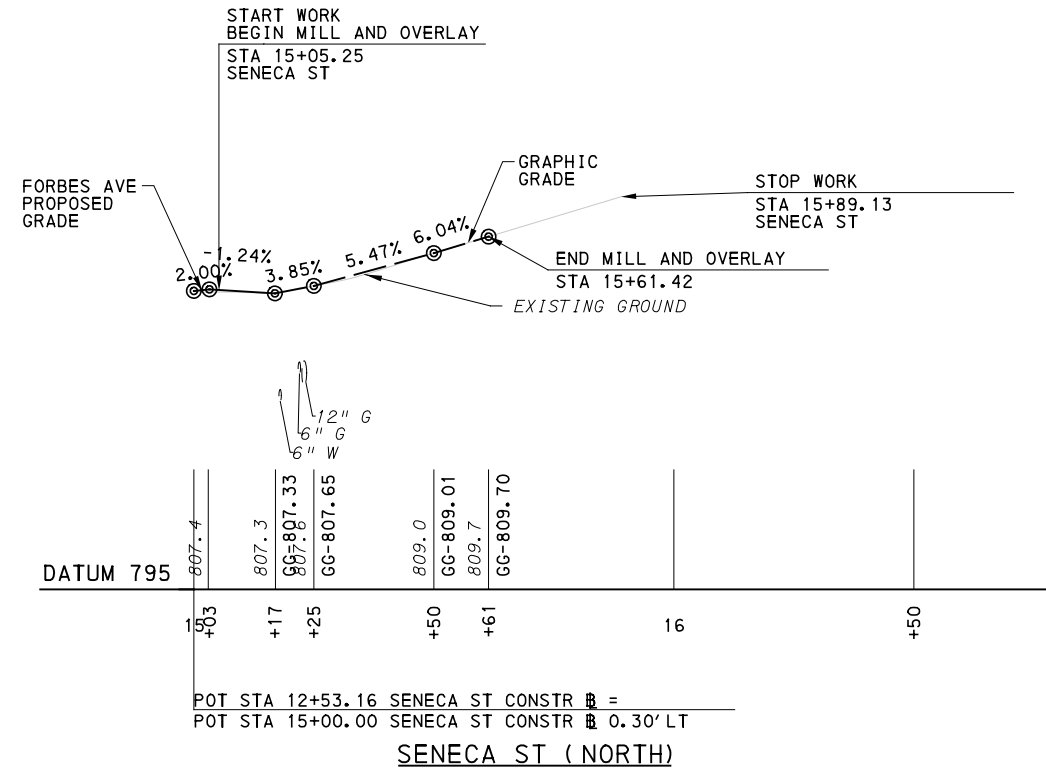
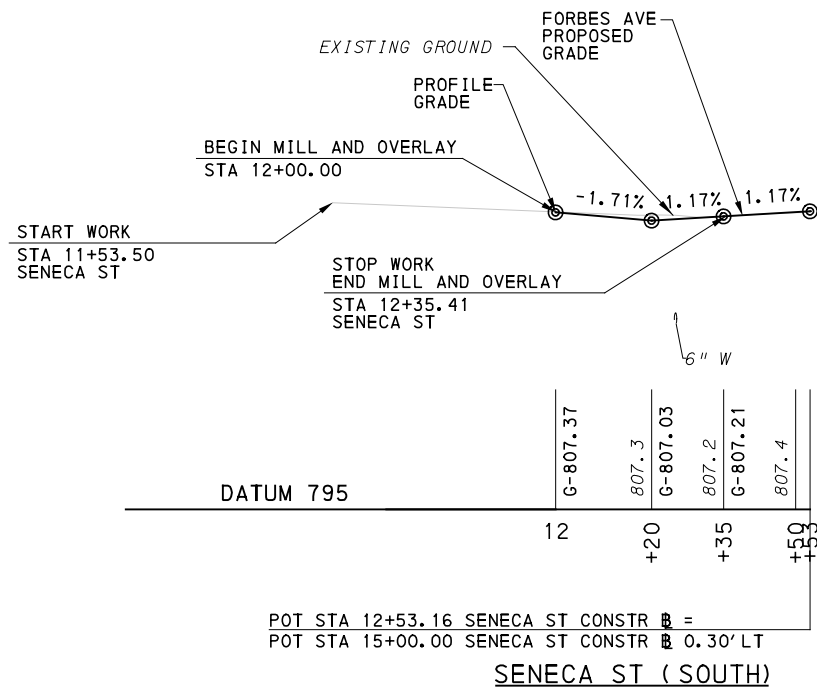
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 GIST ST AND JUMONVILLE ST

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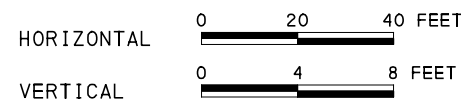
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DWG. NO. PP85	SHT. 441

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OPERATOR: "mi chae.l. mcgarry"
 FILE PATH: c:\pwworking\aecocom.com\d0207703\BRT_07_PR_SHT35.dgn



SCALE



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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 ROADWAY PROFILE
 SENECA ST AND MOULTRIE ST



CONTRACT NO. BRT-001
 DWG. NO. PP86 SHT. 442

PLOTTED: 3/21/2024 5:03:33 PM

OPERATOR: "michael.mcgarry" FILE PATH: c:\pwworking\aecocom\d0207703\BRT_08_KP_KIRK01.dgn

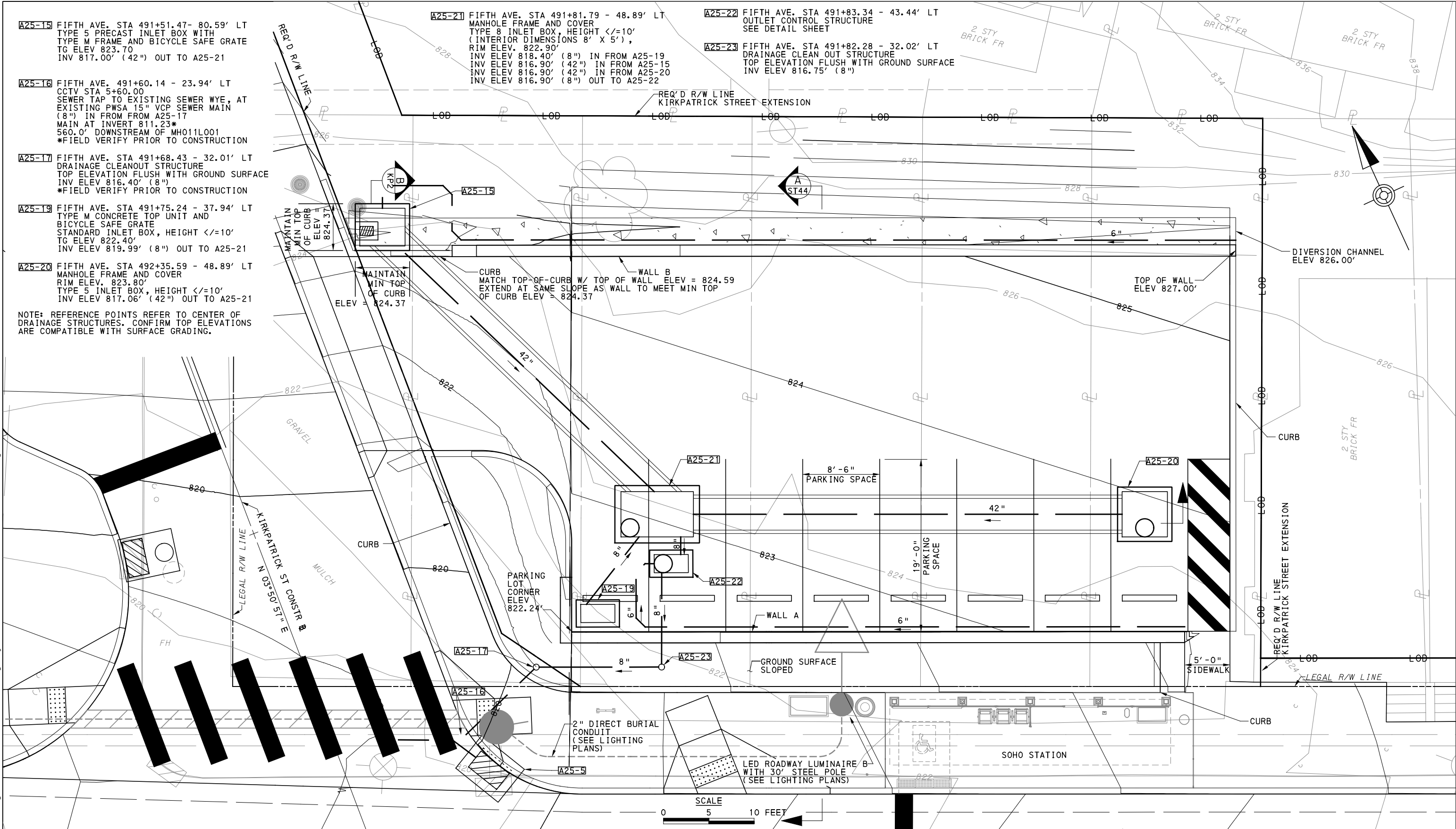
- A25-15** FIFTH AVE. STA 491+51.47 - 80.59' LT
TYPE 5 PRECAST INLET BOX WITH
TYPE M FRAME AND BICYCLE SAFE GRATE
TG ELEV 823.70
INV 817.00' (42") OUT TO A25-21
- A25-16** FIFTH AVE. STA 491+60.14 - 23.94' LT
CCTV STA 5+60.00
SEWER TAP TO EXISTING SEWER WYE, AT
EXISTING PWSA 15" VCP SEWER MAIN
(8") IN FROM FROM A25-17
MAIN AT INVERT 811.23*
560.0' DOWNSTREAM OF MH011L001
*FIELD VERIFY PRIOR TO CONSTRUCTION
- A25-17** FIFTH AVE. STA 491+68.43 - 32.01' LT
DRAINAGE CLEANOUT STRUCTURE
TOP ELEVATION FLUSH WITH GROUND SURFACE
INV ELEV 816.40' (8")
*FIELD VERIFY PRIOR TO CONSTRUCTION
- A25-19** FIFTH AVE. STA 491+75.24 - 37.94' LT
TYPE M CONCRETE TOP UNIT AND
BICYCLE SAFE GRATE
STANDARD INLET BOX, HEIGHT $\leq 10'$
TG ELEV 822.40'
INV ELEV 819.99' (8") OUT TO A25-21
- A25-20** FIFTH AVE. STA 492+35.59 - 48.89' LT
MANHOLE FRAME AND COVER
RIM ELEV. 823.80'
TYPE 5 INLET BOX, HEIGHT $\leq 10'$
INV ELEV 817.06' (42") OUT TO A25-21

NOTE: REFERENCE POINTS REFER TO CENTER OF DRAINAGE STRUCTURES. CONFIRM TOP ELEVATIONS ARE COMPATIBLE WITH SURFACE GRADING.

A25-21 FIFTH AVE. STA 491+81.79 - 48.89' LT
MANHOLE FRAME AND COVER
TYPE 8 INLET BOX, HEIGHT $\leq 10'$
(INTERIOR DIMENSIONS 8' X 5'),
RIM ELEV. 822.90'
INV ELEV 818.40' (8") IN FROM A25-19
INV ELEV 816.90' (42") IN FROM A25-15
INV ELEV 816.90' (42") IN FROM A25-20
INV ELEV 816.90' (8") OUT TO A25-22

A25-22 FIFTH AVE. STA 491+83.34 - 43.44' LT
OUTLET CONTROL STRUCTURE
SEE DETAIL SHEET

A25-23 FIFTH AVE. STA 491+82.28 - 32.02' LT
DRAINAGE CLEAN OUT STRUCTURE
TOP ELEVATION FLUSH WITH GROUND SURFACE
INV ELEV 816.75' (8")



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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
KIRKPATRICK ST
STORMWATER MANAGEMENT PLAN

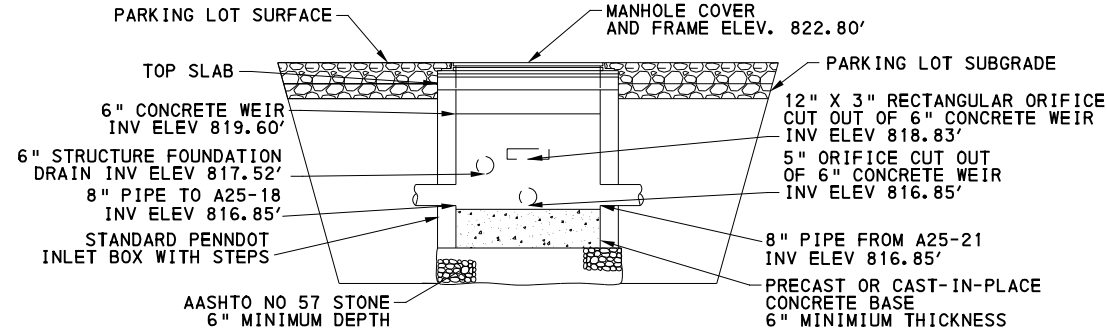
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CONTRACT NO. BRT-001

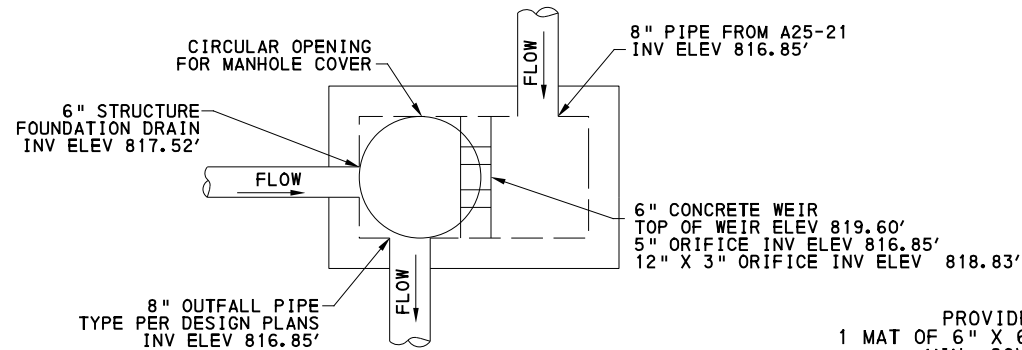
DWG. NO. KP1

SHT. 443

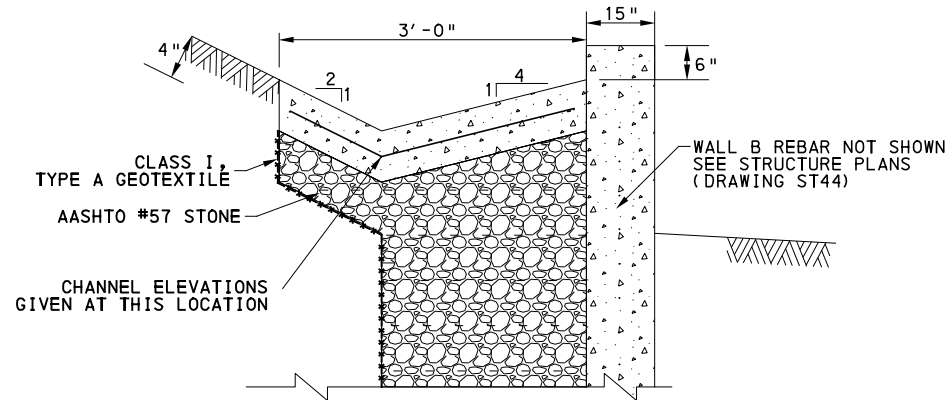
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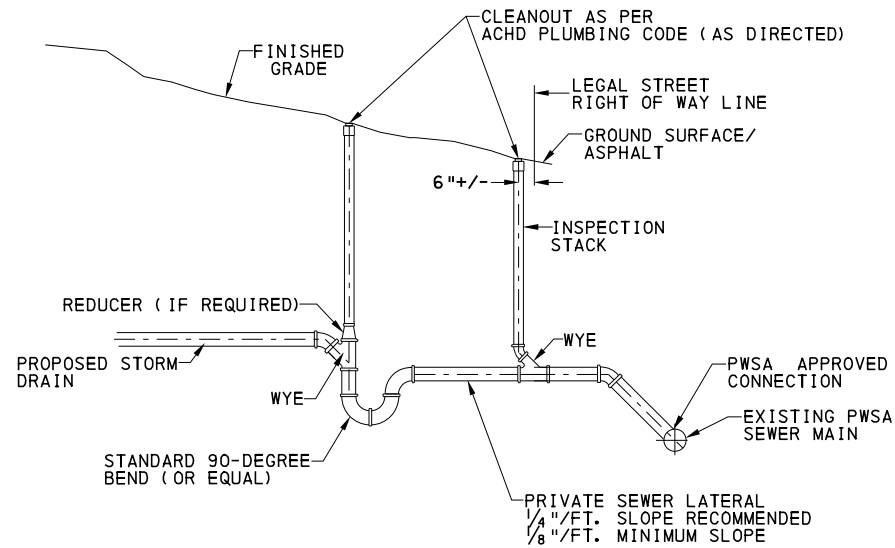
OUTLET CONTROL STRUCTURE (A25-22) ELEVATION
NOT TO SCALE



OUTLET CONTROL STRUCTURE (A25-22) PLAN VIEW
NOT TO SCALE



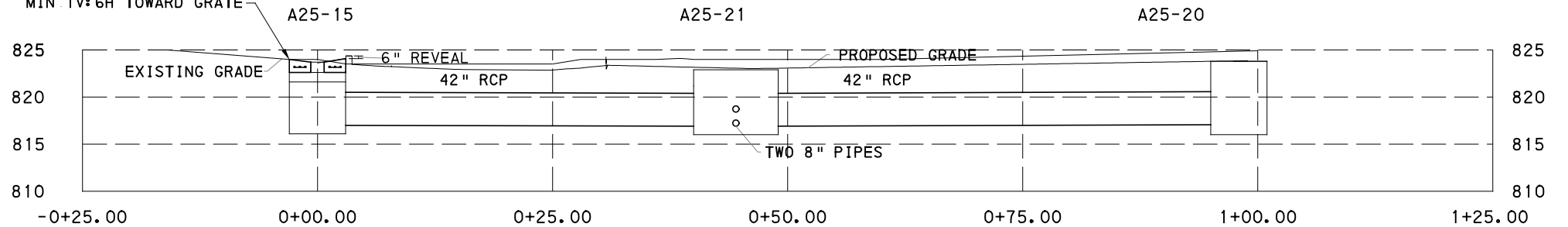
TYPICAL DIVERSION CHANNEL & WALL B
NOT TO SCALE



NOTE:
CONTRACTOR MUST CONTACT PWSA AND/OR ACHD FOR ALL REQUIRED TAP-IN PERMITS AND TRUNK LINE SEWER CONNECTION INSPECTION PRIOR TO BACKFILLING. ALL PIPE TO BE BEDDED AND SURROUNDED BY FIRMLY COMPACTED CLEAN SELECTED BACKFILL. REFER TO CURRENT ACHD PLUMBING CODE ARTICLE XV FOR ADDITIONAL SPECIFICATIONS.

PRIVATE SEWER LATERAL RECONNECTION (SS-1)
NOT TO SCALE

PROVIDE PENNDOT AA CONCRETE W/ 1 MAT OF 6" X 6" - W2.9 X W2.9 WWF, 2" MIN COVER AROUND GRATE ON BOX, APPLY CONCRETE BONDING ADHESIVE TOP SLAB, SLOPE SURFACE MIN 1V:6H TOWARD GRATE



SECTION B
A25-15 TO A25-20
NOT TO SCALE

QUANTITIES:
ITEM 02640.001 - APPROXIMATE QUANTITIES FOR INFORMATION ONLY:

CONCRETE DIVERSION CHANNEL	33 SY
6" PERFORATED PVC PIPE	173 LF
AASHTO #57	38 CY
GEOTEXTILE	47 SY
8" PVC PIPE	45 LF
TYPE 5 INLET BOX WITH MANHOLE FRAME & COVER	1 EA
TYPE 8 INLET BOX WITH MANHOLE FRAME & COVER	1 EA
TYPE 5 PRECAST INLET BOX WITH TYPE M FRAME AND BICYCLE SAFE GRATE	1 EA
STANDARD PENNDOT INLET BOX WITH TYPE M CONCRETE TOP UNIT AND BICYCLE SAFE GRATE	1 EA
STANDARD PENNDOT INLET BOX WITH MANHOLE FRAME & COVER AND 6" CONCRETE WEIR	1 EA
DRAINAGE CLEAN OUT STRUCTURES	2 EA
42" RCP, 2'-7" FILL	90 LF

NOTE: ITEMS ON THIS SHEET ARE TO BE PAID AS PART OF ITEM 02640.001: STORMWATER MANAGEMENT SYSTEM FOR KIRKPATRICK PARKING LOT



Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219

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PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND
KIRKPATRICK ST
SPECIAL DETAILS



CONTRACT NO. BRT-001

DWG. NO. KP2 SHT. 444

OPERATOR: \$USER\$ FILE PATH: \$FILE\$

EROSION AND SEDIMENTATION CONTROL GENERAL NOTES

1. A COPY OF THESE E&SC PLAN DRAWINGS MUST BE KEPT ON-SITE AND AVAILABLE FOR REVIEW BY INSPECTORS DURING CONSTRUCTION. REVISIONS SHOULD BE REVIEWED AND APPROVED IN ADVANCE OF CONSTRUCTION AT THE ENGINEER'S DISCRETION.
2. NOTIFY THE PENNSYLVANIA ONE CALL SYSTEM (1-800-242-1776) AT LEAST 3 BUSINESS DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED. LOCATE POTENTIAL CONFLICTS AND AVOID DAMAGE OR DISRUPTION OF UTILITIES.
3. PROCEED WITH ALL EARTH DISTURBANCE ACTIVITIES IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS FOR EACH WORK AREA. DEVIATION FROM THAT SEQUENCE REQUIRES WRITTEN APPROVAL FROM THE ENGINEER PRIOR TO IMPLEMENTATION.
4. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL SEDIMENT BE WASHED, SHOVELED, OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
5. LIMIT CLEARING, GRUBBING, AND TOPSOIL STRIPPING TO AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE AND WITHIN THE LIMITS-OF-DISTURBANCE (LOD) SHOWN ON THE DRAWINGS. DO NOT COMMENCE EARTH DISTURBANCE UNTIL THE E&S BMPS SPECIFIED BY THE CONSTRUCTION SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN DEPLOYED.
6. CLEARLY MARK LIMITS-OF-DISTURBANCE (LOD) WITH FENCE AND SIGNAGE OR OTHER BARRIER SUITABLE TO PREVENT INADVERTENT ENTRY BY THE PUBLIC
7. STOCKPILING OF EXCAVATED MATERIAL OR AGGREGATE SHALL COMPLY WITH TYPICAL DETAILS PROVIDED IN THIS PLAN.
8. UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMMEDIATELY IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR DAMAGE OR POLLUTION AND NOTIFY THE ENGINEER.
9. REMOVE ALL BUILDING MATERIALS AND WASTES FROM THE SITE AND RECYCLE OR DISPOSE IN ACCORDANCE WITH PA DEP'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260.1 ET SEQ., 271.1, AND 287.1 ET. SEQ. DO NOT BURN, BURY, DUMP, OR DISCHARGE ANY BUILDING MATERIALS, WASTES, OR UNUSED BUILDING MATERIALS AT THE SITE.
10. FOR TRANSPORTATION OF EXCAVATED MATERIAL, MATERIALS WITH SUFFICIENT WATER CONTENT OR CONTAMINATION THAT COULD LEAK SHALL BE CARRIED IN SEALED TRUCK BEDS.
11. ALL OFFSITE BORROW AREAS, WASTE DISPOSAL AREAS, AND/OR STORAGE AREAS SHALL HAVE AN APPROVED EROSION AND SEDIMENTATION CONTROL PLAN PRIOR TO THE START OF ANY EARTHMOVING ACTIVITIES IN THESE OFFSITE AREAS. THE CONTRACTOR, IN ITS PROPOSAL, SHALL MAKE PROVISIONS FOR THESE OFFSITE AREAS AND SHALL BE RESPONSIBLE FOR ENSURING THAT EACH OFFSITE AREA HAS AN APPROVED EROSION AND SEDIMENTATION CONTROL PLAN BY THE COUNTY CONSERVATION DISTRICT IN WHICH THE OFFSITE AREA IS LOCATED. THE CONTRACTOR SHALL FURNISH A COPY OF THE APPROVED PLAN TO THE ENGINEER PRIOR TO BEGINNING OFFSITE OPERATIONS. ANY EXPANSION OF THE LIMITS-OF-DISTURBANCE PROPOSED BY THE CONTRACTOR MUST BE APPROVED BY THE ENGINEER AND, IF NECESSARY, THE COUNTY CONSERVATION DISTRICT.
12. PLEASE AVOID THE INTRODUCTION OF INVASIVE SPECIES IN ORDER TO PROTECT THE INTEGRITY OF NEARBY PLANT SPECIES OF SPECIAL CONCERN. VOLUNTARY CLEANING OF EQUIPMENT/VEHICLES, USING CLEAN FILL AND MULCH, AND AVOIDING PLANTING INVASIVE SPECIES (<http://www.dcnr.pa.gov/Conservation/WildPlants/InvasivePlants/Pages/default.aspx>) WILL HELP TO CONSERVE SENSITIVE PLANT HABITATS.
13. STABILIZE AS SOON AS A DISTURBED AREA IS BROUGHT TO GRADE OR FINAL EARTHMOVING HAS BEEN COMPLETED. WHERE IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE A DISTURBED AREA IMMEDIATELY AFTER THE FINAL EARTHMOVING HAS BEEN COMPLETED OR WHERE THE ACTIVITY CEASES FOR MORE THAN 4 DAYS, IMPLEMENT TEMPORARY STABILIZATION MEASURES PROMPTLY.
14. ENSURE CUT & FILL SLOPES CAN RESIST SLUMPING, SLIDING, OR OTHER FAILURES. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE, OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT STRUCTURES, CONDUIT, OR OTHER INFRASTRUCTURE SHALL CONSIST OF SUITABLE MATERIAL COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
15. ENSURE MATERIAL BROUGHT ON-SITE IS CLEAN FILL. PENNDOT FORM FP-001 MUST BE PREPARED FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
16. IN AREAS TO BE PAVED, PLACE SUBBASE AS EARLY AS PRACTICAL TO STABILIZE THE SURFACE AGAINST EROSION.

17. DO NOT ALLOW SURFACE RUNOFF AND STORM SEWER DRAINAGE TO ENTER EXCAVATED AREAS. MAINTAIN STORM SEWER FLOWS IN ACCORDANCE WITH TECHNICAL PROVISION 01510 – SEWER BYPASS PUMPING.
18. WHEN PUMPING GROUNDWATER, COMPLY WITH SECTION 01825 – WATER QUALITY MONITORING.
19. GROUNDWATER OR STORM RUNOFF PUMPED FROM SUMPS SHALL PASS THROUGH A SEDIMENTATION TANK OR PUMPED WATER FILTER BAG PRIOR TO DISCHARGE. MONITOR DISCHARGE IN ACCORDANCE WITH TECHNICAL PROVISION 01825, WATER QUALITY MONITORING. IF CONTAMINATED, THE WATER SHALL BE RUN THROUGH A SEDIMENTATION TANK THEN DISCHARGED TO COMBINATION SEWER FOR TREATMENT BY ALCOSAN IF PERMITTED BY THE "PRETREATMENT REGULATIONS OF THE ALLEGHENY COUNTY SANITARY AUTHORITY (ALCOSAN)". ANY WATER THAT DOES NOT MEET THESE STANDARDS SHALL BE LOADED ONTO SEALED TANKER TRUCKS AND HAULED TO A PADEP APPROVED TREATMENT PLANT FOR DISPOSAL.
20. ANY EROSION AND SEDIMENTATION CONTROL BMP'S REQUIRED OR NECESSARY TO PROTECT AREAS FROM EROSION DURING THE STABILIZATION PERIOD SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION OF THE CONTRIBUTING DRAINAGE AREA IS COMPLETED. UPON COMPLETION OF PERMANENT STABILIZATION, ALL UNNECESSARY OR UNUSABLE CONTROL MEASURES AND FACILITIES SHALL BE REMOVED.
21. MANAGE CONCRETE TRUCK WASH WATER AS INDICATED IN THE "CONCRETE WASHOUT" DETAIL.
22. KEEP CHANNELS, GUTTERS, PIPES, AND OTHER FLOW CONVEYANCES FREE OF UNWANTED OBSTRUCTIONS.
23. PLAN WORK TO MINIMIZE THE DURATION OF OPEN EXCAVATIONS WHICH INTERFERE WITH THE DESIRABLE DRAINAGE PATTERN.
24. IMMEDIATELY REPAIR IN A PERMANENT MANNER ANY DAMAGE THAT OCCURS IN WHOLE OR PART BECAUSE OF TEMPORARY DRAINAGE MEASURES OR OVERSIGHTS ASSOCIATED WITH THIS PROJECT SATISFACTORY TO THE PROPERTY OWNER AND ENGINEER.
25. TAKE ALL MEASURES NECESSARY TO PREVENT FLOODING OR INFILTRATION WHICH COULD ADVERSELY IMPACT THE PUBLIC, BUILDINGS, UTILITIES, OR OTHER INFRASTRUCTURE. SEEK ENGINEERS APPROVAL FOR MEASURES NOT IN THIS PLAN.
26. STAGE CLEARING, GRUBBING, AND EXCAVATION SO AS TO MINIMIZE THE TOTAL EXPOSURE OF ERODIBLE STOCKPILES & GROUND AT ALL TIMES TO THE EXTENT PRACTICAL. PROTECT AND PRESERVE EXISTING TREES TO THE EXTENT POSSIBLE.
27. THE INTENT OF THIS PLAN IS TO INDICATE GENERAL MEANS OF COMPLIANCE WITH THE REQUIREMENTS OF THE RULES AND REGULATIONS OF CHAPTER 102, THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (AS AUTHORIZED UNDER THE CLEAN STREAMS LAW). IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT THESE METHODS, PLUS ADDITIONAL METHODS, AS MAY BE NECESSARY BECAUSE OF CONDITIONS CREATED BY LOCALIZED SITE CONDITIONS AND/OR CONSTRUCTION PROCEDURES IN ORDER TO ASSURE COMPLIANCE WITH APPLICABLE LAW. IT SHALL FURTHER BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL FACILITIES SO THAT THEY PERFORM AS REQUIRED.
28. FAILURE TO CORRECTLY INSTALL BMPS, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF BMPS MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.
29. OVER-THE-ROAD VEHICLES SUPPORTING CONSTRUCTION ARE EXPECTED TO OPERATE ONLY ON PAVEMENT OR SURFACES STABILIZED WITH NON-COHESIVE CLEAN AGGREGATE. CONSTRUCTION EQUIPMENT TRACKS AND WHEELS ARE TO BE THOROUGHLY CLEANED BEFORE EXITING THE LOD. WHERE THESE PRACTICES ARE NOT POSSIBLE, INSTALL A ROCK CONSTRUCTION ENTRANCE.

GREEN INFRASTRUCTURE EROSION AND SEDIMENT CONTROL GENERAL NOTES:

1. PROTECT ALL CATCH BASINS, BIORETENTION AREAS, STORMWATER STORAGE TRENCHES, BIOSWALES, AND OTHER STORMWATER IMPROVEMENTS DURING EXCAVATION AND CONSTRUCTION. IF ANY CATCH BASINS, DRAINS, OR BMPS BECOME CLOGGED AS A RESULT OF DEMOLITION, EXCAVATION OR CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR CLEANING INCLUDING DOWNSTREAM STORM DRAINS. MEASURES SHALL BE IMPLEMENTED TO PREVENT THE DISCHARGE OF WASTE MATERIALS, INCLUDING BUILDING MATERIALS, TO STORM DRAINS, STORM SEWERS OR THE RECEIVING WATERS.
2. EXTREME CARE MUST BE TAKEN TO PREVENT RUNOFF FROM UNSTABILIZED AREAS FROM ENTERING THE STORMWATER IMPROVEMENTS DURING CONSTRUCTION. CONTRACTOR SHALL USE COMPOST SOCK, GEOTEXTILE SAND BAGS, TEMPORARY FENCING, STABILIZATION OF THE DRAINAGE AREA, ETC. TO PREVENT SEDIMENTATION AND OTHER DAMAGE.
3. UNLESS OTHERWISE NOTED, KEEP THE STORMWATER IMPROVEMENTS OFF-LINE UNTIL CONSTRUCTION IS COMPLETE. PREVENT SEDIMENT FROM ENTERING THE STORMWATER IMPROVEMENTS BY USING SUPER SILT FENCE, COIR LOGS, DIVERSION BERMS, SAND BAGS OR OTHER MEANS.
4. IF CURB CUTS OR INLETS ARE BLOCKED DURING CONSTRUCTION OF THE STORMWATER IMPROVEMENTS, UNBLOCK THESE AFTER THE DRAINAGE AREA AND BIORETENTION/BIOSWALES HAVE GOOD VEGETATIVE COVER. IT IS RECOMMENDED THAT UNBLOCKING CURB CUTS AND INLETS TAKE PLACE AFTER AT LEAST TWO TO THREE STORM EVENTS IF THE DRAINAGE AREA INCLUDES NEWLY INSTALLED ASPHALT, SINCE NEW ASPHALT TENDS TO PRODUCE FINES AND GRIT DURING THE FIRST SEVERAL STORMS. STORMWATER IMPROVEMENTS MUST BE APPROVED BY PWSA BEFORE OPENING SYSTEM TO RECEIVE STORMWATER.

PLAN PREPARER: DAVID J COOPER, AECOM, 412-463-0805
 ALLEGHENY COUNTY CONSERVATION DISTRICT CONTACT:
 MS. MAUREEN COPELAND, 412-241-7645



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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND EROSION & SEDIMENTATION CONTROL PLANS GENERAL NOTES	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ES1 SHT. 445

MAINTENANCE

1. GENERAL

- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUOUS MAINTENANCE OF ALL EROSION AND SEDIMENTATION CONTROL MEASURES AND DEVICES FOR THE DURATION OF THE PROJECT AND UNTIL THE AREA IS STABILIZED WITH PAVEMENT OR A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER. THE CONTRACTOR SHALL INSPECT ALL DEVICES WEEKLY (MINIMUM) AND AFTER EACH RUNOFF EVENT AND PERFORM MAINTENANCE AS REQUIRED AND CORRECT DEFICIENCIES. CLEAN ANY BMP FOUND TO BE CLOGGED, DAMAGED, OR HALF-FULL. THE SOLID WASTE DISPOSAL IS THE RESPONSIBILITY OF THE CONTRACTOR.
- B. MAINTAIN ON SITE A WRITTEN RECORD OF INSPECTION DATES, INSPECTORS NAMES, DEFICIENCIES FOUND, AND THE DATE CORRECTIONS ARE COMPLETED.
- C. DISPOSE OF SEDIMENT REMOVED FROM BMPs BY INCORPORATING INTO TOPSOIL FOR LANDSCAPE AREAS IN A MANNER CONSISTENT WITH LANDSCAPE SPECIFICATIONS AND APPROVAL OF ENGINEER. OTHERWISE, REMOVE FROM SITE.

2. VEGETATION

- A. MAINTAIN GRASS AREAS WITHIN THE GRADING LIMITS OF THE PROJECT UNTIL THE ENTIRE PROJECT HAS BEEN COMPLETE. IF A SLOPE FAILURE OCCURS (AFTER THE SEEDING AND SOIL SUPPLEMENT WORK ON A SLOPE HAS BEEN SATISFACTORILY COMPLETED), THAT REQUIRES REDRESSING, EXCAVATION, OR ESTABLISHMENT OF A NEW SLOPE, REAPPLY SOIL SUPPLEMENTS, AND RESEED, AS SPECIFIED FOR THE ORIGINAL TREATMENT.
- B. TEMPORARY STABILIZATION - TEMPORARY STABILIZATION MEASURES SHALL BE UTILIZED FOR DISTURBED AREAS TO BE INACTIVE MORE THAN 4 DAYS.
- C. CONTROL NOXIOUS WEED GROWTH IN THE WORK AREA BY HERBICIDE SPRAYING, CUTTING, OR REMOVAL. THESE PLANTS ARE DEFINED BY THE PENNSYLVANIA WEED CONTROL ACT OF 1982, P.L. 228, NO. 74 AND AS AMENDED BY FURTHER LEGISLATION. SUBMIT, FOR APPROVAL, A SCHEDULE OF WORK AND LIST OF HERBICIDE TO BE USED BEFORE STARTING THIS EFFORT.

3. SEDIMENT INLET PROTECTION

- A. REMOVE SEDIMENT ACCUMULATIONS FROM ALL INLET PROTECTION FACILITIES AND MAKE REPAIRS OR REPLACE THE FACILITY AS NEEDED.
- B. THE INLET FILTER BAG SHALL BE CLEANED OR REPLACED WHEN ACCUMULATIONS FILL 1/2 OF THE BAG. THE INLET FILTER BAG SHALL BE WASHED COMPLETELY FREE OF ALL FOREIGN MATERIAL OR A NEW INLET FILTER BAG SHALL BE INSTALLED WITHIN THE INLET. IF THE BAG IS WASHED, ENSURE THAT SEDIMENT LADEN RUNOFF FROM THE WASHED MATERIAL DOES NOT LEAVE THE SITE.

4. SUMPS

- A. WATER PUMPED FROM SUMPS TO DEWATER EXCAVATED AREAS SHALL PASS THROUGH A PUMPED WATER FILTER BAG OR A SEDIMENT TANK PRIOR TO DISCHARGE. MINIMIZE TURBIDITY WHILE PUMPING FROM SUMP AREAS TO THE EXTENT PRACTICAL BY ADDING CLEAN GRAVEL, GEOTEXTILE, AND/OR A PERFORATED STEEL DRUM.

5. PUMPED WATER FILTER BAGS

- A. THE FILTER BAG SHALL BE INSPECTED BEFORE AND AFTER EACH PUMPING OPERATION. THE FILTER BAG SHALL BE REPLACED IF ANY TYPE OF DAMAGE, CLOGGING, OR LEAKAGE HAS BEEN DISCOVERED.
- B. MONITOR AND EVALUATE THE ENTIRE PUMPING OPERATION TO ASSURE THAT THE BAG CONTINUES TO FUNCTION PROPERLY. REPLACE THE BAG WHEN THE CONTAINED SILT REDUCES THE BAG FLOW TO APPROXIMATELY 50% OF THE RATE BEFORE REMOVING A BAG FROM THE HOSE, THE BAG SHALL BE TIED OFF BELOW THE END OF THE HOSE, ALLOWING THE BAG TO DRAIN. DRAINAGE SHALL NOT BE ALLOWED THROUGH THE INLET HOLE.
- C. IF DISCERNABLE SEDIMENT DISCHARGES FROM BAG, REDUCE FLOW RATE OR USE SEDIMENT TANK.

6. SEDIMENTATION TANKS

- A. SEDIMENTATION TANKS SHALL BE UTILIZED TO REMOVE SEDIMENT FROM PUMPED WATER PRIOR TO DISCHARGE.
- B. AT ALL TIMES SUFFICIENT MEANS SHALL BE PROVIDED FOR THE ENGINEER TO INSPECT THE ENTIRE SYSTEM TO DETERMINE THE ADEQUACY OF ITS FUNCTION. THE CONTRACTOR SHALL ALSO PROVIDE SUFFICIENT MEANS FOR SAMPLING THE OUTFLOW FROM THE SEDIMENTATION SYSTEM.
- C. SEDIMENTATION TANKS SHALL BE MAINTAINED SUCH THAT SEDIMENT DOES NOT ACCUMULATE TO MORE THAN 25% OF THE EFFECTIVE DEPTH OF THE TANKS OR AS DIRECTED BY THE ENGINEER. ALL SEDIMENT IN THE TANK SHALL BE DISPOSED OF AT AN APPROVED DISPOSAL SITE. ENSURE THAT NO LEAKAGE OR OVERFLOWING CONDITIONS PERSIST. MAINTAIN FLOW RATE LOW ENOUGH THAT DISCHARGE REMAINS CLEAR.
- D. ALL COMPONENTS OF THE SEDIMENTATION TANK SHALL BE MAINTAINED IN WORKING ORDER THROUGHOUT CONSTRUCTION. BREAKS OR FAILURES IN THE SYSTEM SHALL BE REPAIRED IMMEDIATELY UPON DETECTION.
- E. IF PUMPING NEEDS TO INCREASE BEYOND THE CAPACITY OF THE SEDIMENTATION TANK, ADD SEDIMENTATION TANKS TO HANDLE ADDITIONAL FLOW.

7. ROCK CONSTRUCTION ENTRANCE

- A. THICKNESS SHALL BE MAINTAINED TO THE SPECIFIED DIMENSION BY ADDING ROCK, A STOCKPILE OF ROCK MATERIAL SHALL BE MAINTAINED NEARBY FOR THIS PURPOSE.
- B. AT THE END OF EACH CONSTRUCTION DAY, SEDIMENT DEPOSITED ON PUBLIC ROADWAYS SHALL BE IMMEDIATELY REMOVED AND RETURNED TO THE CONSTRUCTION SITE.
- C. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, ROCK CONSTRUCTION ENTRANCE SHALL BE EXTENDED BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK.
- D. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

8. COMPOST FILTER SOCK

- A. COMPOST FILTER SOCK 8" TO 32" DIAMETER - USE ON DOWNSLOPE PERIMETER TO HELP POND RUNOFF AND CAPTURE SEDIMENT, USE UPSLOPE TO DIVERT FLOW AROUND WORK AREA, USE CAUTION TO ENSURE PONDING DOES NOT EXTEND INTO TRAFFIC OR IMPACT ADJACENT LANDOWNERS.
- B. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 HEIGHT OF THE SOCKS.
- C. IMMEDIATELY CLOSE ANY GAPS AND INITIATE ANY REPAIRS NEEDED TO MAINTAIN PROPER FUNCTIONING.
- D. REPAIR TORN OR DAMAGED FABRIC ACCORDING TO MANUFACTURER'S SPECIFICATIONS, REPLACE COMPOST FILTER SOCK, OR REPLACE WITH A ROCK FILTER OUTLET.
- E. STACK ADDITIONAL LAYERS OF COMPOST SOCK IF "BLOWOUTS" OR OVERTOPPING OCCURS AT LOW POINTS.

9. TEMPORARY COMPOST DIVERSION SOCK (OR BERM)

- A. SHALL BE MAINTAINED TO EFFECTIVELY DIVERT "CLEAN" UPLAND WATER AROUND THE CONSTRUCTION. IMMEDIATELY CLOSE ANY GAPS AND REINFORCE AS NEEDED.
- B. VERIFY DIVERSION DOES NOT PRESENT RISK OF FLOODING PROBLEMS FOR PEDESTRIANS TRAFFIC, OR PROPERTY, ADJUST DESIGN IF NEEDED IN COORDINATION WITH ENGINEER.
- C. REMOVE SIGNIFICANT SEDIMENT ACCUMULATIONS WITHIN THE FLOW PATH. REMOVE SEDIMENT AND DEBRIS WHEN CAPACITY IS IMPAIRED MORE THAN 25%.
- D. STACK ADDITIONAL LAYERS OF COMPOST SOCK IF "BLOWOUTS" OR OVERTOPPING OCCURS AT LOW POINTS.

10. COMPOST SOCK CONCRETE WASHOUT

- A. THE COMPOST SOCK WASHOUT SHALL BE INSPECTED BEFORE AND AFTER EACH USE.
- B. THE COMPOST SOCK WASHOUT SHALL BE REPAIRED OR REPLACED IMMEDIATELY IF ANY TYPE OF DAMAGE OR LEAKS ARE DISCOVERED.
- C. COMPOST SOCK WASHOUT SHALL BE MAINTAINED SUCH THAT MATERIAL DOES NOT ACCUMULATE TO MORE THAN 50% OF THE EFFECTIVE DEPTH OF THE WASHOUT.

PLAN PREPARER: DAVID J COOPER, AECOM, 412-463-0805
ALLEGHENY COUNTY CONSERVATION DISTRICT CONTACT: MS. MAUREEN COPELAND, 412-241-7645



Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219

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CONSTRUCTION SEQUENCE

GENERAL PRE-CONSTRUCTION STEPS

PERFORM THE FOLLOWING INITIAL STEPS AS APPROPRIATE AT ALL WORK AREAS:

1. VERIFY ONE CALL COMPLIANCE AND COMPLETE UTILITY COORDINATION.
2. PLAN CONSTRUCTION TO MINIMIZE THE EXTENT AND DURATION OF EARTH DISTURBANCE AND INTERRUPTION OF DESIRABLE DRAINAGE PATTERNS. AVOID EXCESSIVE TOPSOIL COMPACTION IN AREAS INTENDED FOR PLANT GROWTH.
3. MARK LIMITS OF DISTURBANCE AND ERECT FENCE, BARRIERS, AND SIGNAGE.
4. COORDINATE WITH ADJACENT PROPERTY OWNERS/OCCUPANTS TO IDENTIFY POTENTIALLY FLOOD SENSITIVE BUILDINGS, VAULTS, OR OTHER CONCERNS. WHERE EXCAVATION CREATES RISK OF FLOOD DAMAGE, THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO MINIMIZE RISK INCLUDING DESIGN & DEPLOYMENT OF TEMPORARY DIVERSION/DRAINAGE FEATURES AND EXPEDITED REMOVAL AND REPLACEMENT OF PAVEMENT. SEE GUIDANCE IN "TYPICAL UPSLOPE DIVERSION" DETAIL.
5. DEPLOY COMPOST FILTER SOCK, INLET PROTECTION, AND UPSTREAM DIVERSIONS.
6. DEPLOY DIVERSION AT SAWCUTS PER "TEMPORARY DIVERSION AT SAWCUT" DETAIL.

GENERAL CONSTRUCTION STEPS

1. WITH APPROVAL OF THE ENGINEER, LOCATE PUMPED WATER FILTER BAGS AND CONCRETE WASHOUTS WITHIN THE LOD AS NEEDED AND IN ACCORDANCE WITH DETAILS.
2. CONSTRUCT MANHOLES, INLETS, STORMWATER MANAGEMENT FEATURES, AND ASSOCIATED PIPE. MANAGE SPOIL PILES IN ACCORDANCE WITH "TYPICAL STOCKPILE" DETAIL. INSTALL INLET SEDIMENT PROTECTION WHERE INDICATED. COVER OPENINGS TO PREVENT FLOW INTO STORMWATER MANAGEMENT TANKS UNTIL TRIBUTARY AREAS ARE STABILIZED.
3. RECONSTRUCT SIDEWALK, CURB, AND PAVEMENT WITHIN ZONES WHERE DIVERSION IS IN PLACE. SALVAGE AND RESTORE SOD, TOPSOIL, MULCH, PLANTS, OR OTHER MATERIALS DISTURBED AROUND FRINGE OF WORK AREA AS DIRECTED.
4. SEED & MULCH LAWN AREAS OR SLOPES AS INDICATED AND STABILIZE UNPAVED AREAS IMMEDIATELY WITH MULCH AS INDICATED IN LANDSCAPE PLANS.
5. SEE MAINTENANCE NOTE 1C FOR DISPOSAL OF SEDIMENT REMOVED FROM BMPS.

GENERAL FINAL STEPS

1. REMOVE SEDIMENT DEPOSITS ASSOCIATED WITH CONSTRUCTION FROM DOWNSTREAM GUTTERS OR CATCH BASINS.
2. PROMPTLY REMOVE COMPOST FILTER SOCK, INLET PROTECTION, AND UPSTREAM DIVERSIONS WHEN AREA IS STABILIZED AND DRAINAGE SYSTEMS ARE READY FOR SERVICE. STABILIZATION SHALL MEAN A UNIFORM 70% VEGETATIVE COVER OR, PAVEMENT, OR OTHER PERMANENT NON-ERODIBLE SURFACE.
3. CLEAN EXISTING PAVEMENT TO REMOVE CAULK, ASPHALT EMULSION, STAINS FROM CONSTRUCTION AND RESTORE TO SATISFACTORY CONDITION.
4. IN COORDINATION WITH THE ENGINEER, LOOSEN SOILS IN LANDSCAPE AND INFILTRATION AREAS THAT MAY HAVE BEEN INADVERTENTLY COMPACTED.

SPECIAL CONSTRUCTION SEQUENCE FOR KIRKPATRICK STREET REALIGNMENT (TRAFFIC CONTROL UPTOWN PHASE 1 STAGE C)

1. CONSTRUCT INLETS A25-1, A25-4, and A25-5 AND INSTALL INLET FILTER BAG PROTECTION, IN THOSE AND ALL OTHER ACTIVE INLETS FOR A DISTANCE AT LEAST 200' DOWN 5TH AVE.
2. DEPLOY COMPOST DIVERSION SOCK UPSTREAM OF WORK AREA TO DIVERT FLOW INTO VACANT GRASS AREAS/5TH AVE. VERIFY DOWNSTREAM FLOW PATH IS FREE OF FLOOD VULNERABLE FEATURES. USE MULTIPLE COURSES OF SOCK WHERE NEEDED TO MAINTAIN AT LEAST 8" CONTINUOUS FLOW DEPTH
3. DEPLOY 24" COMPOST FILTER SOCK ON-CONTOUR ACROSS DOWNSTREAM LIMIT OF KIRKPATRICK STREET (JUST UPSTREAM OF 5TH AVE) AS SHOWN.
4. DEPLOY ROCK CONSTRUCTION ENTRANCE ONLY IF VEHICLES WILL BE EXITING FROM BARE COHESIVE SOILS TO STREET PER GENERAL NOTE 29.
5. REALIGN KIRKPATRICK STREET AND LAY DOWN SUBBASE AND PAVEMENT AS QUICKLY AS PRACTICAL. SALVAGE TOPSOIL (& PLANTS AS DIRECTED) FOR USE IN REVEGETATING AREAS OF PERMANENT PAVEMENT REMOVAL. IF SIGNIFICANT RAINFALL IS FORECAST BEFORE FIRST PAVEMENT COURSE IS PLACED, USE TARPS TO COVER EASILY ERODIBLE AREAS IF DIRECTED BY ENGINEER. TARPS MUST BE KEYED INTO GROUND AT UPPER EDGE TO PREVENT UNDERMINING AND OVERLAPPED TO CONVEY FLOW SAFELY TO 5TH AVE. ADD TEMPORARY DIVERSION SOCK AS APPROPRIATE.
6. IMMEDIATELY SEED AND APPLY EROSION CONTROL BLANKET TO GRADED AREAS OUTSIDE SIDEWALKS.
7. REMOVE FILTER SOCK AND DIVERSION ON STREET AFTER PAVING. DIVERSION SOCK ALONG EAST CUT LINE SHOULD REMAIN UNTIL UNIFORM 70% VEGETATIVE COVER GROWS.

SPECIAL CONSTRUCTION SEQUENCE FOR GREEN INFRASTRUCTURE BIOSWALE.

1. USE DIVERSION SOCK TO PREVENT FLOW FROM ENTERING CURB CUT UNTIL BIOSWALE IS VEGETATED AND READY TO RECEIVE FLOW. SEE BIOSWALE DIVERSION SOCK DETAIL (ES10). (CONFIRM DIVERSION WILL NOT CAUSE A DOWNSTREAM DRAINAGE PROBLEM).
2. INLETS RECEIVING FLOW WITHIN BIOSWALE SHALL BE PROTECTED USING INLET PROTECTION AS SHOWN ON PLANS.
3. DIVERSION SOCKS AND INLET PROTECTION SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OF SWALE IS COMPLETE AND VEGETATION IS ESTABLISHED.

SPECIAL CONSTRUCTION SEQUENCE FOR KIRKPATRICK STREET PARKING LOT. (TO OCCUR AFTER KIRKPATRICK REALIGNMENT IS STABILIZED)

1. CONSTRUCT INLET A25-15 AND STABILIZE SURROUNDING AREA.
2. RECONFIGURE DIVERSION SOCK AND COMPOST FILTER SOCK AS SHOWN. USE CARE TO DIRECT UPSLOPE DIVERTED RUNOFF INTO INLET A25-15.
3. CONSTRUCT DETENTION SYSTEM AND ASSOCIATED TAP-IN TO SEWER.
4. CONSTRUCT UPSLOPE DIVERSION CHANNEL AND ADJACENT RETAINING WALL. IMMEDIATELY STABILIZE UPSLOPE DISTURBED AREA WITH EROSION CONTROL BLANKET, LANDSCAPE PLANTINGS, SEED (AS DIRECTED), AND MULCH. LEAVE DIVERSION SOCK IN PLACE UNTIL VEGETATION IS WELL ESTABLISHED.
5. COMPLETE PARKING LOT CONSTRUCTION.
6. REMOVE DIVERSION AND COMPOST FILTER SOCKS AFTER ASSOCIATED AREAS ARE STABILIZED.



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 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

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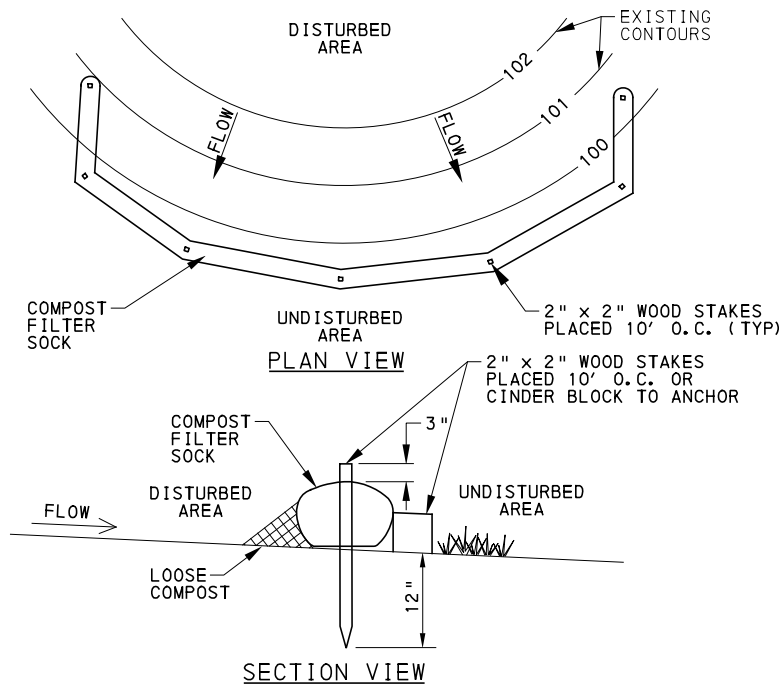
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BUS RAPID TRANSIT UPTOWN TO OAKLAND EROSION & SEDIMENTATION CONTROL PLANS SEQUENCE OF CONSTRUCTION		
Port Authority <small>connecting people to life</small>		CONTRACT NO. BRT-001
DWG. NO. ES3	SHT. 447	

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NOTES:

- SOCK FABRIC SHALL MEET STANDARDS OF TABLE 1. COMPOST SHALL MEET STANDARDS OF TABLE 2. (PENNDOT STANDARD 867.2)
- PLACE COMPOST FILTER SOCK ON LEVEL GRADE. EXTEND BOTH ENDS OF THE COMPOST FILTER SOCK/BERM AT LEAST 8 FEET UPSLOPE AT 45 DEGREES TO THE MAIN ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY SOCK SHALL NOT EXCEED THAT SHOWN ON FIGURE 4.2 IN THE DEP E&S MANUAL. STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
- TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
- REPLACE BIODEGRADABLE FILTER SOCK AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 12 MONTHS. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS, OR WHEN NEEDED.
- UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. RE-USE OR REMOVE ENTIRE SOCK, OR IF COMPATIBLE WITH LANDSCAPE PLAN. THE SOCK MAY BE CUT OPEN AND COMPOST USED ON-SITE.
- WHEN USED ON PAVEMENT, SECURE SOCK IN PLACE WITH CONCRETE BLOCKS OR OTHER HEAVY OBJECTS.

COMPOST FILTER SOCK
(FOR FILTRATION OF DIRTY WATER)
NOT TO SCALE

TABLE 1

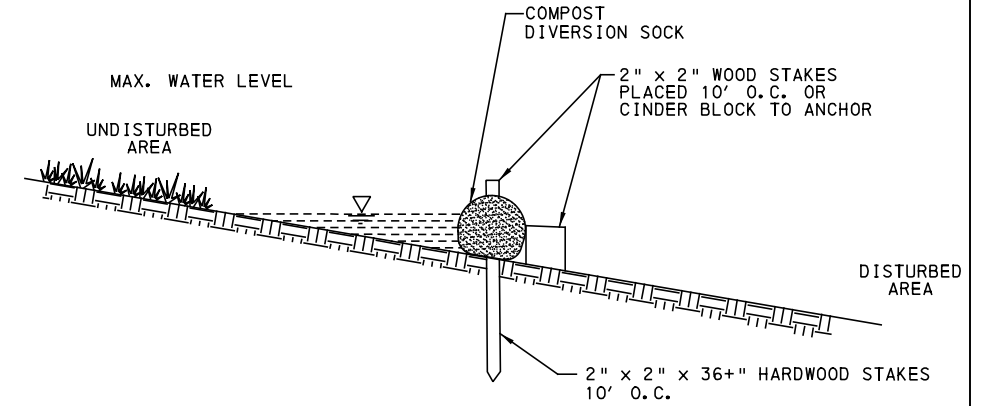
PROVIDE FILTER SOCK MEETING THE COMPOST FILTER SOCK REQUIREMENTS OF THE DEP E&S MANUAL OR PENNDOT STANDARD SPECIFICATION 867, AS SHOWN BELOW. PROVIDE MANUFACTURER'S FILTER SOCK SPECIFICATIONS, PRODUCT DATE SHEETS, AND DRAWINGS FOR APPROVAL BY THE ENGINEER.

MATERIAL TYPE	3 MIL HDPE	5 MIL HDPE	5 MIL HDPE	MULTI-FILAMENT POLYPROPYLENE (MFPP)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (HDMFPP)
MATERIAL CHARACTERISTICS	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE	BIO-DEGRADABLE	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE
SOCK DIAMETERS	12" 18"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"
MESH OPENING	3/8"	3/8"	3/8"	3/8"	1/8"
TENSILE STRENGTH		26 PSI	26 PSI	44 PSI	202 PSI
ULTRAVIOLET STABILITY % ORIGINAL STRENGTH (ASTM G-155)	23% AT 1000 HR.	23% AT 1000 HR.		100% AT 1000 HR.	100% AT 1000 HR.
MINIMUM FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS
TWO-PLY SYSTEMS					
INNER CONTAINMENT NETTING	HDPE BIAXIAL NET				
	CONTINUOUSLY WOUND				
	FUSION-WELDED JUNCTURES				
OUTER FILTRATION MESH	3/4" X 3/4" MAX. APERTURE SIZE				
	COMPOSITE POLYPROPYLENE FABRIC (WOVEN LAYER & NON-WOVEN FLEECE MECHANICALLY FUSED VIA NEEDLE PUNCH)				
	3/16" MAX. APERTURE SIZE				
SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LESS.					

TABLE 2

ORGANIC MATTER CONTENT*	25% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5-8.5
MOISTURE CONTENT	30% - 60%
PARTICLE SIZE	30% - 50% PASS THROUGH 3/8" SCREEN
SOLUBLE SALT CONCENTRATION	5.0 dS/m MAXIMUM

*PROVIDE WELL-DECOMPOSED, STABLE, WEED-FREE, ORGANIC COMPOST DERIVED FROM AGRICULTURE, FOOD, STUMP GRINDINGS, AND YARD OR WOOD/BARK ORGANIC MATTER SOURCES. THE COMPOST SHOULD BE AEROBICALLY COMPOSTED WITH NO OBJECTIONABLE ODORS. THE COMPOST PRODUCT SHOULD NOT RESEMBLE THE RAW MATERIAL FROM WHICH IT WAS DERIVED. GROUND CONSTRUCTION DEBRIS OR REPROCESSED WOOD PRODUCTS ARE NOT ACCEPTABLE AS THE ORGANIC COMPONENT OF THE MIX. COMPOST MEETING PENNDOT STANDARD SPECIFICATION SECTION 867 WILL BE ACCEPTABLE. PROVIDE A WRITTEN STATEMENT BY THE SUPPLIER CERTIFYING THAT THE COMPOST MEETS THESE REQUIREMENTS. SUBMIT FOR APPROVAL BY THE ENGINEER.



GROWING MEDIA SPECIFICATIONS FOR DIVERSION SOCK

ORGANIC MATTER CONTENT	25% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.0 - 8.0
MOISTURE CONTENT	< 60%
PARTICLE SIZE	100% PASSING 2" SIEVE 99% PASSING 1" SIEVE 70% PASSING 3/4" SIEVE 60% PASSING 1/2" SIEVE 30%-75% PASSING 1/4" SIEVE
SOLUBLE SALT CONCENTRATION	5.0 dS/m (mmhos/cm) MAXIMUM

(ADAPTED FROM PADEP E&S MANUAL TABLE 4.2 AND PENNDOT STANDARD SPECIFICATION 867)

NOTES:

- REFER TO COMPOST FILTER SOCK DETAIL FOR ADDITIONAL NOTES.
- MEET "GROWING MEDIA SPECIFICATIONS FOR DIVERSION SOCK". THIS FINER MIX IS REQUIRED TO PROVIDE LOW-PERMEABILITY FOR THE PURPOSE OF WATER DIVERSION.
- THE CONTRACTOR SHALL PROVIDE CERTIFICATION THAT COMPOST DIVERSION SOCK MEETS PADEP OR PENNDOT STANDARDS PRIOR TO UTILIZATION OF THE PRODUCT ON-SITE.

TEMPORARY COMPOST DIVERSION SOCK
NOT TO SCALE

COMPOST FILTER SOCK



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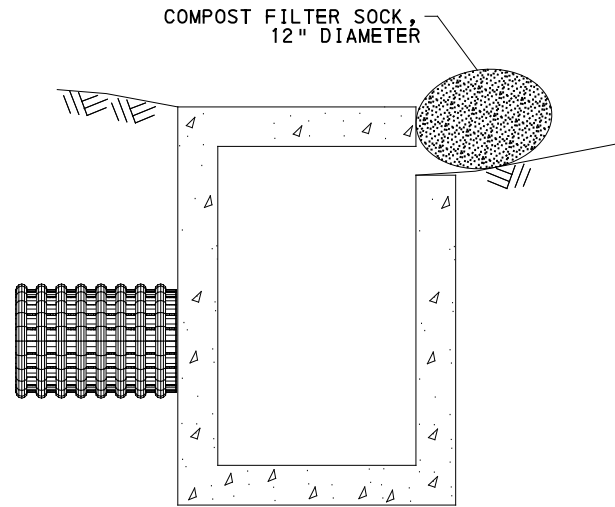
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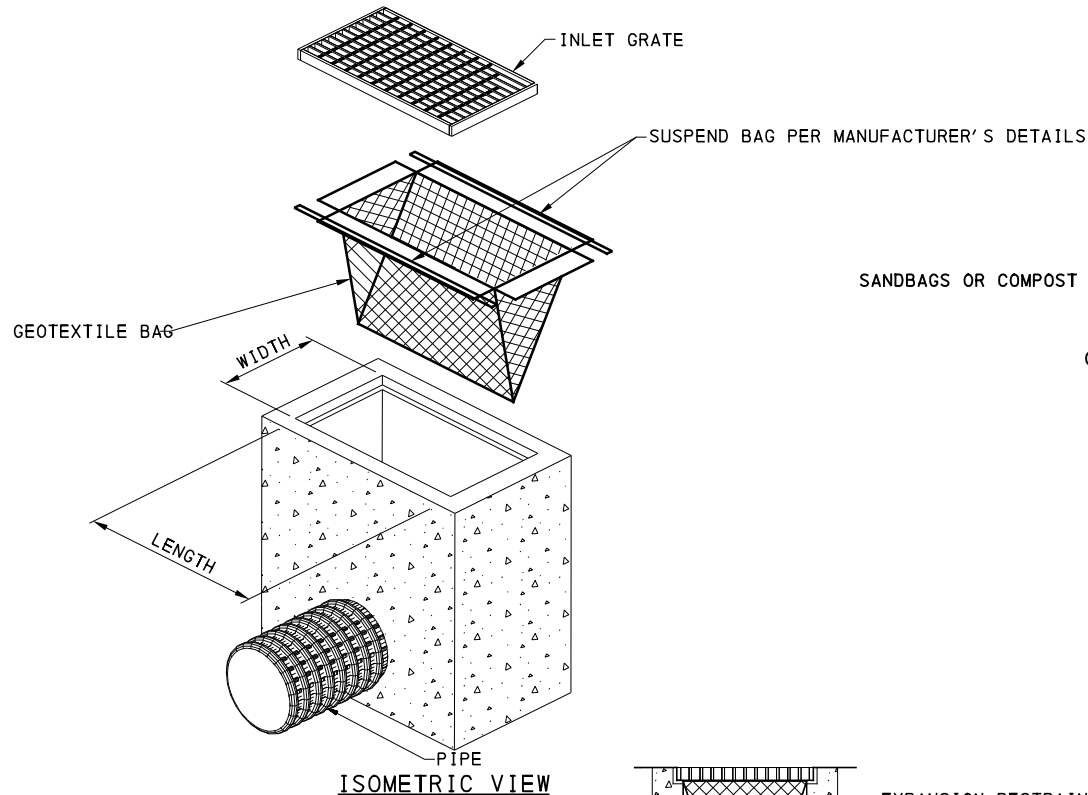
SIDE VIEW

NOTES

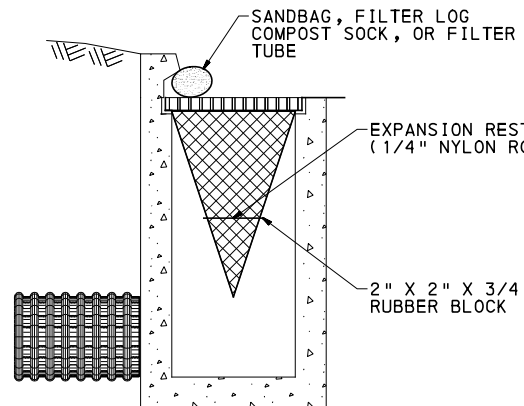
1. COMPOST FILTER SOCK SHALL EXTEND ALONG THE GUTTER A MINIMUM OF 12" BEYOND THE EDGE OF OPENING ON EITHER SIDE OF THE INLET.
2. REMOVE DEPOSITS WHEN SEDIMENT ACCUMULATION IS ONE HALF OF THE EXPOSED COMPOST FILTER SOCK.
3. REPLACE BIODEGRADABLE FILTER SOCK AFTER 6 MONTHS; PHOTODEGRADABLE AFTER 12 MONTHS; POLYPROPYLENE PER MANUFACTURER'S RECOMMENDATIONS.

INLET PROTECTION FOR INLETS W/ CURB OPENING ONLY

NOT TO SCALE

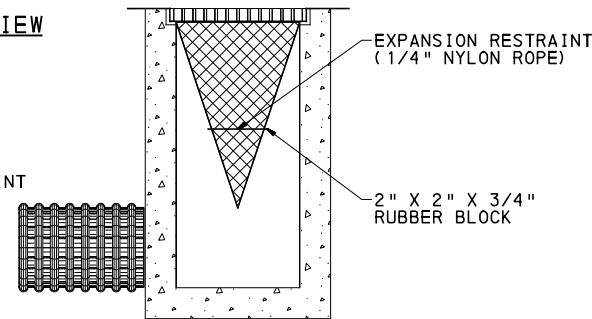


ISOMETRIC VIEW

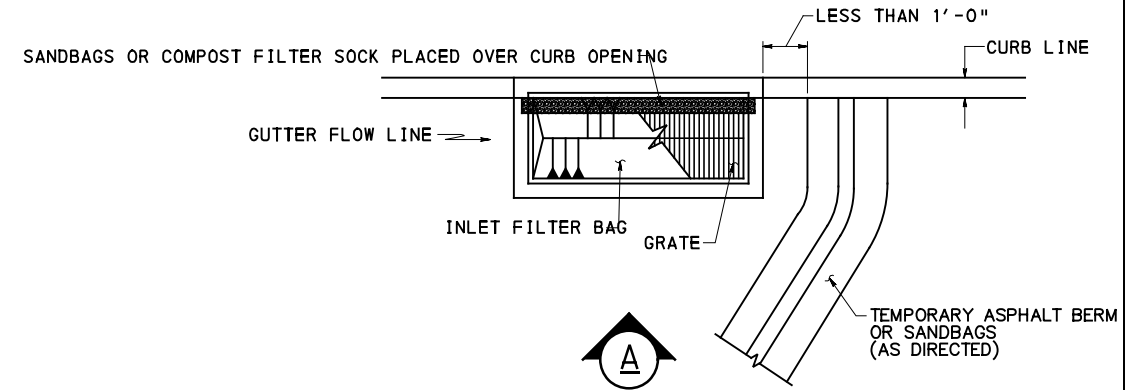


TYPE C INLET INSTALLATION (TYP) SECTION B-B

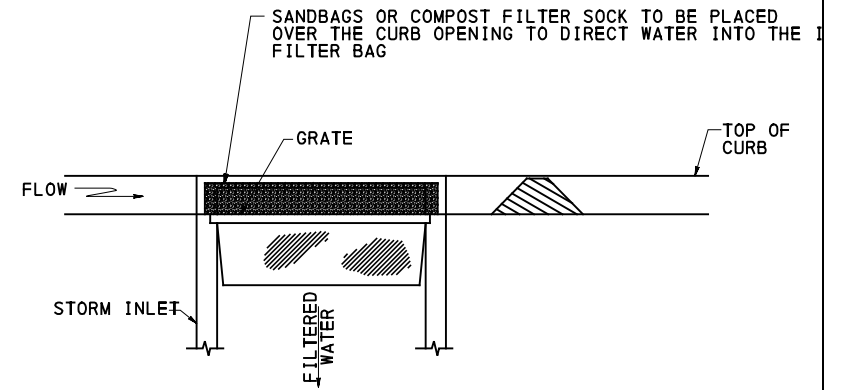
SIDE VIEW



TYPE M OR TYPE S INLET INSTALLATION (TYP) SECTION A-A



ELEVATION VIEW A



INLET SEDIMENT PROTECTION SUPPLEMENTAL DETAIL (CURB AND GUTTER)

NOTES:

1. PROVIDE INLET PROTECTION IN ACCORDANCE WITH PENNDOT STANDARD SPECIFICATION 860 - STORM INLET PROTECTION.

INLET SEDIMENT PROTECTION

NOT TO SCALE



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PITTSBURGH PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND
EROSION & SEDIMENTATION CONTROL PLANS
DETAILS

Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. ES5	SHT. 449

SEEDING SCHEDULE:

1. SCARIFY SUBGRADE, PROVIDE TOPSOIL (IMPORTED OR SALVAGED), APPLY SOIL SUPPLEMENTS, SEED, AND MULCH IN ACCORDANCE WITH TECHNICAL PROVISION 02923 AND AS INDICATED.
2. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER STEEPER THAN 3H:1V, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED WITH PENNDOT 1.D ROLLED EROSION CONTROL PRODUCT PER PENNDOT STANDARD SPECIFICATION 806.
3. WITHIN 4 DAYS AFTER EARTH DISTURBANCE CEASES IN ANY AREA, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED WITH FORMULA E. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
4. SEED AS INCICATED BELOW AND IN TABLE A, OR AS OTHERWISE INDICATED OR DIRECTED.

SCHEDULE OF SEEDING AND SOIL SUPPLEMENTS

SEEDING AND SOIL SUPPLEMENT FORMULA	APPLICATION	APPLICABLE SEEDING SEASON
FORMULA B	LAWNS, AREAS OF INTENSE USE, AND SELECTED ROADSIDE AREAS	MARCH 15 TO JUNE 1 SEPTEMBER 1 TO OCTOBER 15
FORMULA E	TEMPORARY SEEDING	MARCH 15 TO OCTOBER 15

SEE TECHNICAL PROVISION 02923 - SEEDING AND SOIL SUPPLEMENTS. IF IN CONFLICT WITH THIS DRAWING, PROCEED AS DIRECTED BY ENGINEER.

EXTEND SEEDING DATES WHERE PROJECT CONDITIONS WARRANT. APPLY FULL TREATMENT OR APPLY ONLY 50% OF THE PERMANENT SEEDING AND SOIL SUPPLEMENTS AND APPLY THE REMAINING 50% WITHIN THE NEXT SEEDING DATES, AS DIRECTED IN WRITING.

USE TILLAGE AND SOIL SUPPLEMENTS BEFORE PERMANENT SEEDING ON TOPSOILED AREAS, WHERE TEMPORARY SEEDING OR MULCHING HAS BEEN APPLIED. THE CONTRACTOR MAY APPLY PERMANENT SEED AND/OR SOIL SUPPLEMENTS WITHOUT TILLING ON NON-TOPSOILED AREAS, WHERE TEMPORARY SEEDING OR MULCHING HAS BEEN APPLIED.

APPLICATION RATES:	PER ACRE	PER 1,000 SQ YD
AGRICULTURAL LIME	6 TONS	2,480 LB
10-20-20 FERTILIZER	1,000 LB	140.0 LB
FORMULA B SEED	203 LB	44.0 LB
FORMULA E SEED	48 LB	10.0 LB
MULCHING STRAW (TACKIFY PER TECH PROVISION 02923 OR PENNDOT STANDARD SPECIFICATION 805)	3 TONS	1,240 LB
MULCHING WOOD CHIPS (ONLY WHERE DIRECTED)	4 - 6 TONS	1,650 - 2,500 LB

FORMULA AND SPECIES	% BY WEIGHT	MINIMUM %		MAX % WEED SEED	SEEDING RATE LBS PER 1000 SY
		PURITY	GERMINATION		
FORMULA B					42.0 TOTAL
PERENNIAL RYEGRASS MIXTURE (LOLIUM PERENNE) A COMBINATION OF IMPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 50% OF THE TOTAL RYEGRASS COMPONENT	20	97	90	0.1	8.5
CREeping RED FESCUE ORCHEWINGS FESCUE (FESTUCA RUBRA OR SSP COMMUTATE)	30	97	85	0.1	12.5
KENTUCKY BLUEGRASS MIXTURE (POA PRATENSIS) A COMBINATION OF IMPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 50% OF THE TOTAL BLUEGRASS COMPONENT	50	97	80	0.15	21
FORMULA E					10.0 TOTAL
ANNUAL RYEGRASS (LOLIUM MULTIFLORUM)	100	95	90	0.1	10.0

* INCLUDES HARDSEED AND NORMAL SEEDLINGS



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**BUS RAPID TRANSIT UPTOWN TO OAKLAND
EROSION & SEDIMENTATION CONTROL PLANS
DETAILS**

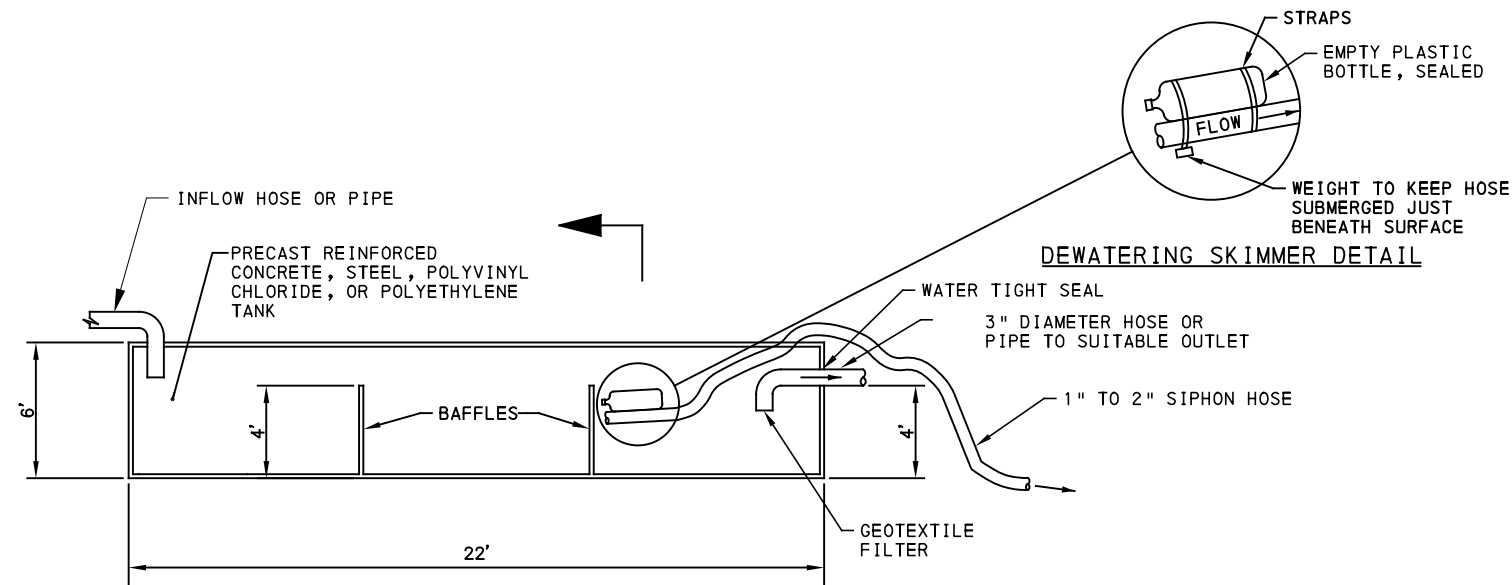


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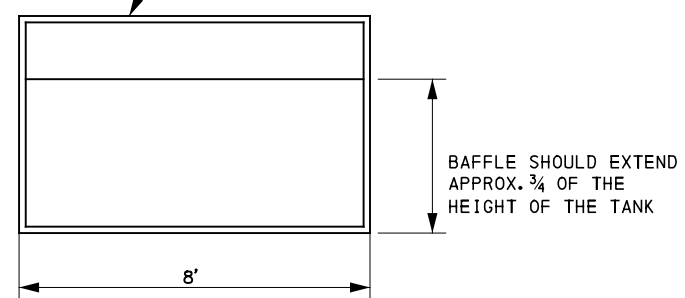
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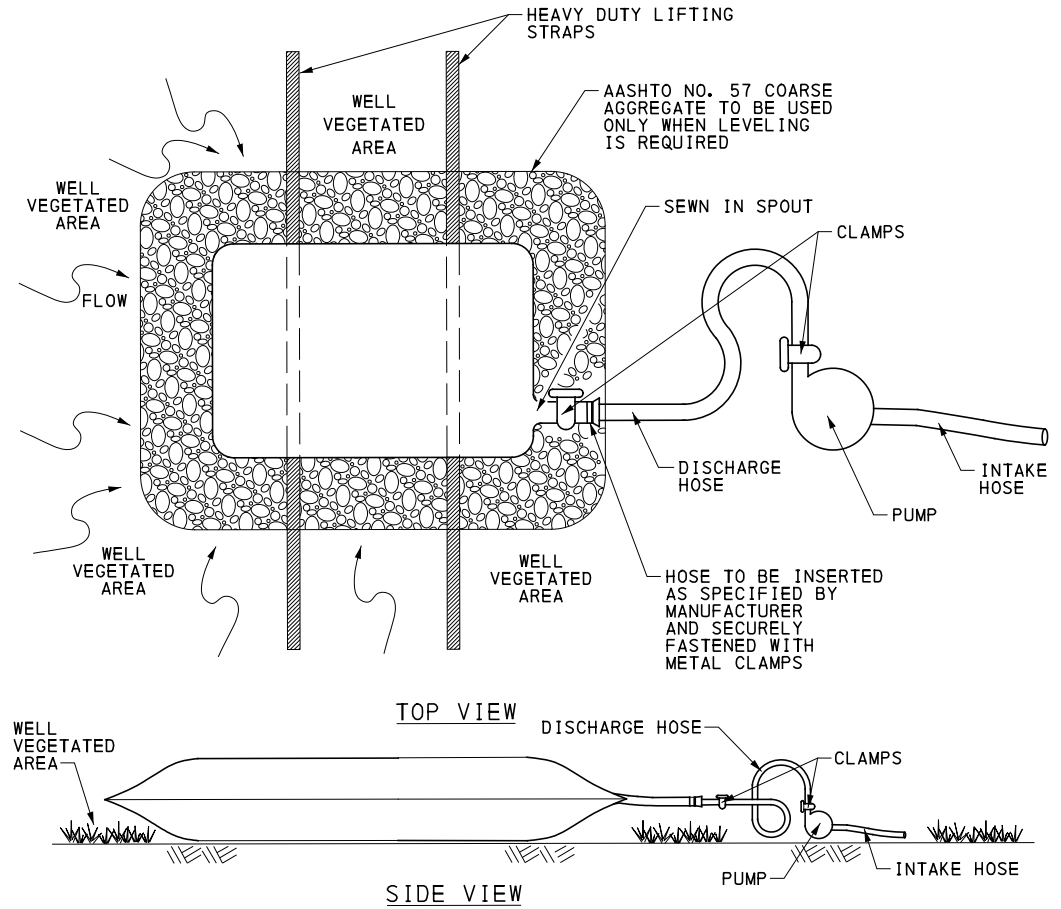
SECTION A

TOP OF TANK TO BE LEFT OPEN OR HATCHES NEED TO BE PROVIDED TO ALLOW EASY ACCESS TO THE ENTIRE TANK FOR INSPECTION AND MAINTENANCE.



- NOTES**
1. A SMALLER TANK MAY BE USED FOR SMALLER FLOWS AS LONG AS ADEQUATE SEDIMENT CLARIFICATION IS ACHIEVED. LIMIT PUMPING RATE SUCH THAT (TANK VOLUME) / (FLOW RATE) REMAINS AT LEAST 60 MINUTES. E.G., 600 GAL TANK / 10 GAL/MINUTE = 60 MINUTES.

SEDIMENT TANK
NOT TO SCALE



- NOTES:**
1. A SEDIMENT TANK MAY BE USED IN PLACE OF A PUMPED WATER FILTER BAG AND MAY BE REQUIRED WHERE DIRECTED BY THE ENGINEER.
 2. A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.
 3. BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.
 4. THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.
 5. THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.
 6. FOR SMALL VOLUMES (< 50 GALLONS), A TUB MAY BE USED AS AN ALTERNATIVE TO EITHER PUMPED WATER FILTER BAG OR SEDIMENT TANK. ALLOW AT LEAST ONE HOUR FOR THE SUSPENDED SOLIDS TO SETTLE THEN DECANT CLEAN WATER AND DISPOSE OF SEDIMENT.
 7. REMOVE AND DISPOSE OF SEDIMENT OR RESIDUE ON DOWNSTREAM FLOW PATH AS NEEDED.

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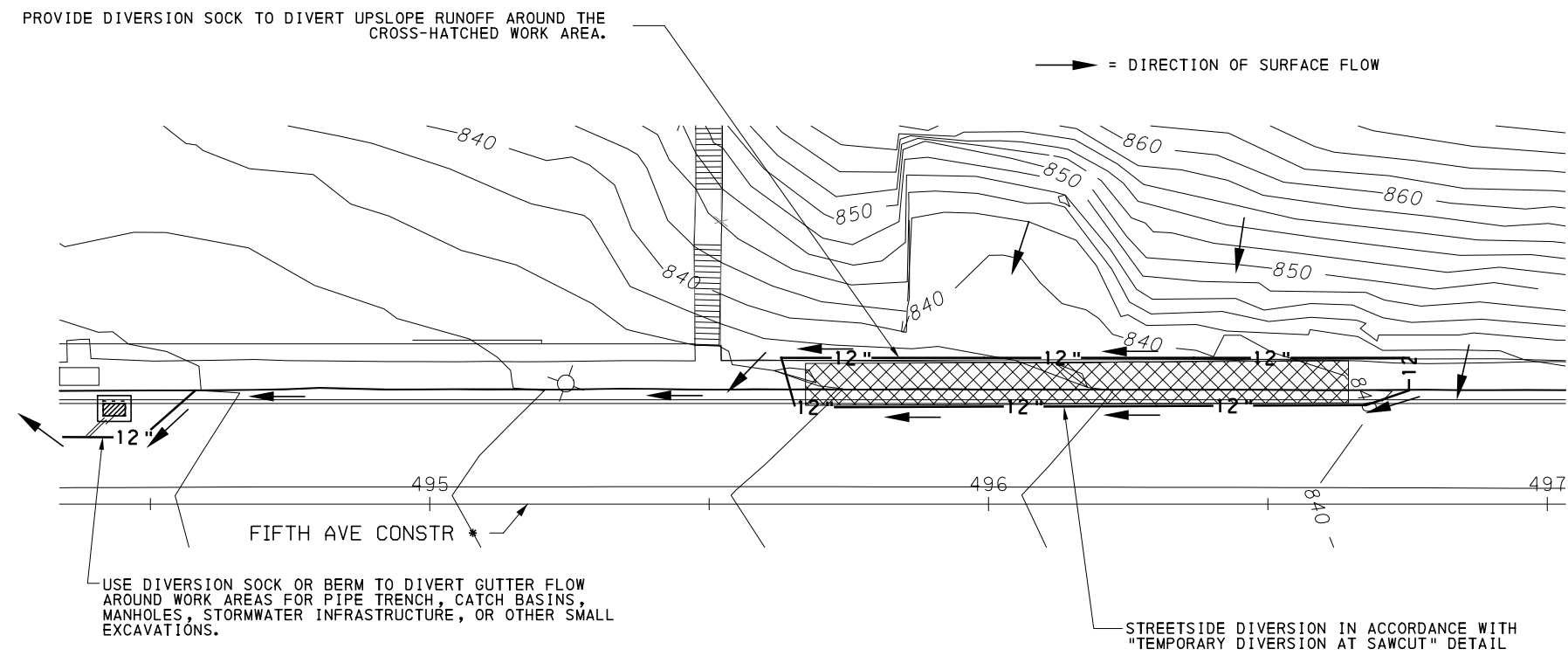
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NOTES:

1. THIS PLAN VIEW ILLUSTRATES TYPICAL PRACTICES FOR WORK WHERE ADJACENT GROUND DRAINS TOWARD THE STREET. ADJUST AS APPROPRIATE FOR SPECIFIC CIRCUMSTANCES.
2. 12" LINSTYLE REPRESENTS 12" DIVERSION SOCK. ON IRREGULAR PAVEMENT, APPLY A BEAD OF REMOVABLE CAULK BENEATH DIVERSION SOCK AS NEEDED TO PREVENT FLOW UNDER SOCK. A 6"-HIGH TEMPORARY ASPHALT CURB OR BERM MAY BE USED IN PLACE OF SOCK.
3. WHERE DIVERSION SOCK OR TEMPORARY ASPHALT BERM MEET VERTICAL OR IRREGULAR SURFACES, SEAL GAPS USING PLASTIC SHEET & ROCK, ASPHALT COLD PATCH, CAULK, OR OTHER MATERIALS.
4. WHEN NO LONGER NEEDED, REMOVE CAULK, ASPHALT, AND OTHER MATERIALS AND RESTORE STREET, SIDEWALK, AND OTHER PROPERTY TO OWNER'S SATISFACTION.
5. IF A DOWNSPOUT DISCHARGES WITHIN WORK AREA, TEMPORARILY EXTEND THROUGH WORK AREA.
6. LIMIT SIZE OF WORK AREAS SUCH THAT DIVERSION DOES NOT OVERLOAD DOWNSTREAM DRAINAGE SYSTEM.
7. IF WORK OCCURS IN COLD WEATHER, PREVENT FORMATION OF ICE HAZARDS DUE TO DIVERSIONS.
8. DIVERSION IS NOT NECESSARY IF WORK CAN BE COMPLETED BEFORE RISK OF A RUNOFF EVENT.

TYPICAL UPSLOPE DIVERSION
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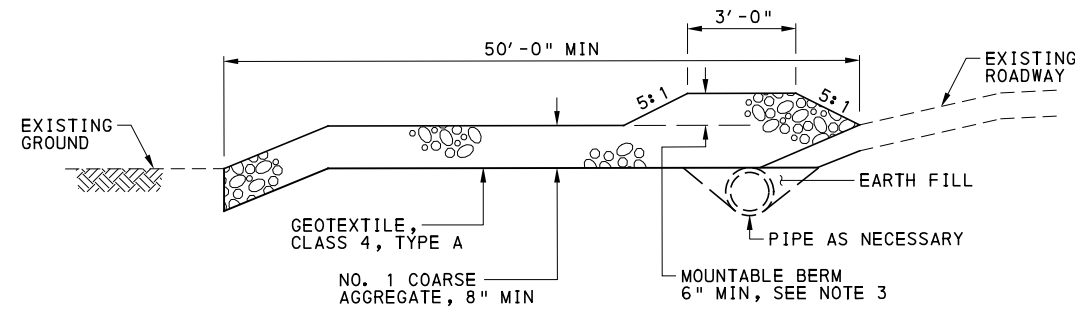
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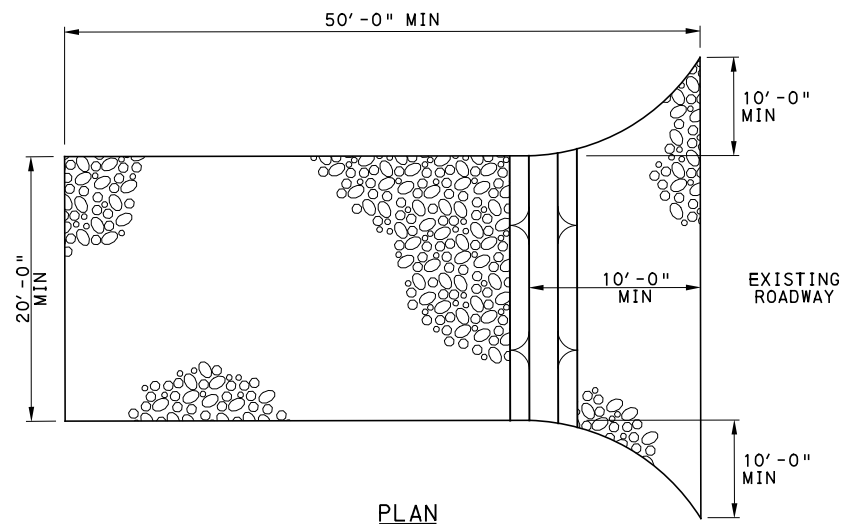
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PROFILE



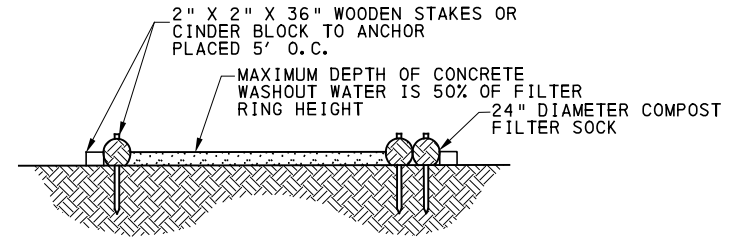
PLAN

ROCK CONSTRUCTION ENTRANCE

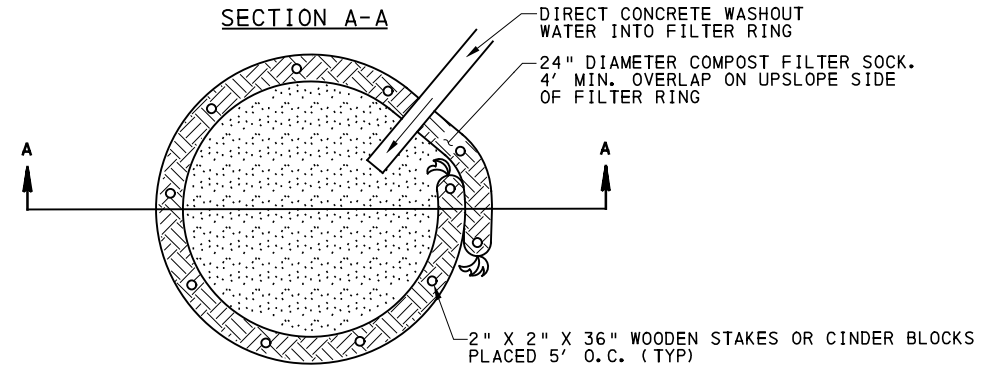
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NOTES:

1. REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.
2. RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
3. MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.
4. PRE-CONSTRUCTED RUMBLE PADS (SEE PA DEP MANUAL PAGE 17 FOR EXAMPLE PHOTO) MAY BE USED INSTEAD OF ROCK CONSTRUCTION ENTRANCES PROVIDED THEY ARE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND A SUFFICIENT NUMBER OF PADS ARE INSTALLED TO PROVIDE FOR A MINIMUM OF FOUR TIRE REVOLUTIONS WHILE ON THE PAD. MORE PADS MAY BE NEEDED DEPENDING ON SITE CONDITIONS



SECTION A-A



PLAN

CONCRETE WASHOUT

NOT TO SCALE

NOTES:

1. FOR THE PURPOSE OF RINSING CHUTES ONLY, RINSATE MAY GO INTO A SEDIMENT TANK OR A TUB. ALLOW AT LEAST 30 MINUTES FOR SEDIMENT TO SETTLE THEN DECANT CLEAR WATER AT A LOCATION DRAINING TO THE COMBINED SEWER SYSTEM. RETURN UNUSED CONCRETE AND MIXER DRUM RINSATE TO THE CONCRETE PLANT.
2. INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE.
3. 18" DIAMETER FILTER SOCK MAY BE STACKED ONTO DOUBLE 24" DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.
4. FOR ANY PROJECT ON WHICH CONCRETE WILL BE POURED OR OTHERWISE FORMED ON SITE, A WASHOUT FACILITY MUST BE PROVIDED FOR THE CLEANING OF CHUTES, MIXERS, AND HOPPERS OF THE DELIVERY VEHICLES. UNDER NO CIRCUMSTANCES SHOULD WASH WATER FROM THESE VEHICLES BE ALLOWED TO ENTER ANY SURFACE WATERS. MAKE SURE THAT PROPER SIGNAGE IS PROVIDED TO DRIVERS SO THAT THEY ARE AWARE OF THE PRESENCE OF WASHOUT FACILITIES.
5. A SUITABLE IMPERVIOUS GEOMEMBRANE MUST BE PLACED AT THE LOCATION OF THE WASHOUT. COMPOST SOCKS MUST BE STAKED IN THE MANNER RECOMMENDED BY THE MANUFACTURER AROUND PERIMETER OF THE GEOMEMBRANE SO AS TO FORM A RING WITH THE ENDS OF THE SOCK LOCATED AT THE UPSLOPE CORNER. CARE MUST BE TAKEN TO ENSURE CONTINUOUS CONTACT OF THE SOCK WITH THE GEOMEMBRANE AT ALL LOCATIONS. WHERE NECESSARY, SOCKS MAY BE STACKED AND STAKED SO AS TO FORM A TRIANGULAR CROSS-SECTION.
6. ALL CONCRETE WASHOUT FACILITIES MUST BE INSPECTED DAILY. DAMAGED OR LEAKING WASHOUTS MUST BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY.
7. ACCUMULATED MATERIALS MUST BE REMOVED WHEN THEY REACH 50% CAPACITY.
8. PLASTIC LINERS MUST BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY.
9. IF CONTRACTOR PREFERS ANY OTHER METHOD FOR CONCRETE WASHOUT, IT MUST BE APPROVED BY THE ENGINEER.
10. WASHOUT FACILITIES MUST NOT BE PLACED WITHIN 50 FEET OF STORM DRAINS, OPEN DITCHES, OR SURFACE WATERS. THEY MUST BE IN A CONVENIENT LOCATION FOR THE TRUCKS, PREFERABLY NEAR THE PLACE WHERE THE CONCRETE IS BEING POURED, BUT FAR ENOUGH FROM OTHER VEHICULAR TRAFFIC TO MINIMIZE THE POTENTIAL FOR ACCIDENTAL DAMAGE OR SPILLS WHEREVER POSSIBLE, THEY MUST BE LOCATED ON SLOPES NOT EXCEEDING A 2% GRADE.
11. REMOVE AND DISPOSE OF SEDIMENT OR RESIDUE ON DOWNSTREAM FLOW PATH AS NEEDED.



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PORT AUTHORITY OF ALLEGHENY COUNTY
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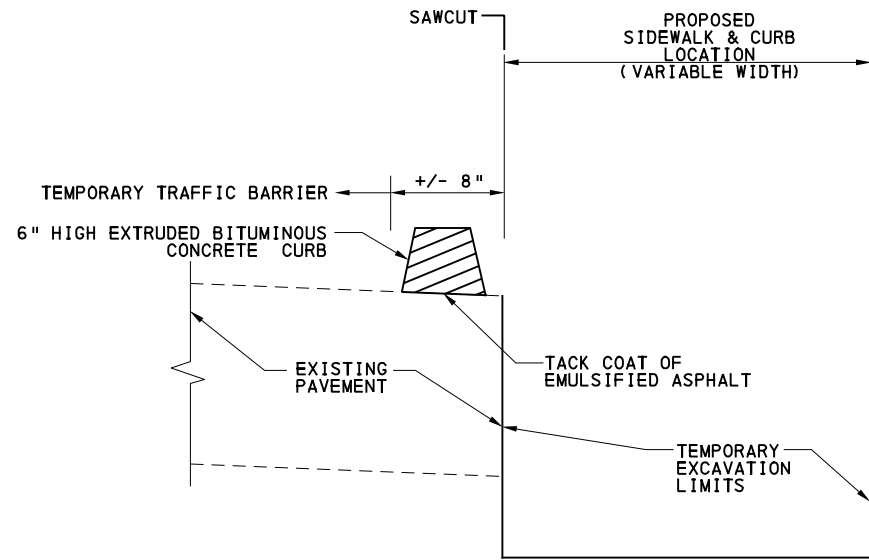
BUS RAPID TRANSIT UPTOWN TO OAKLAND
EROSION & SEDIMENTATION CONTROL PLANS
DETAILS

Port Authority
connecting people to life

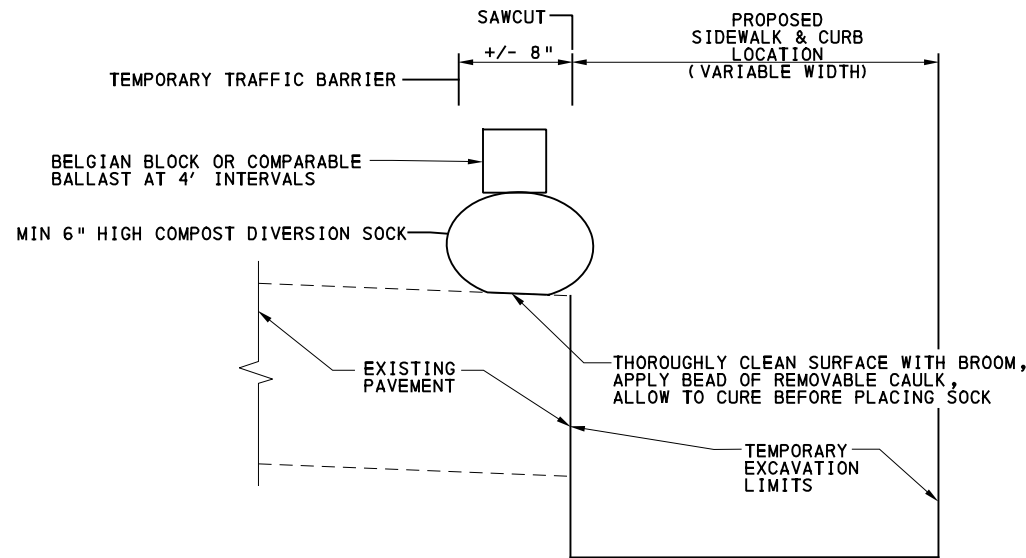
CONTRACT NO. BRT-001

DWG. NO. ES9

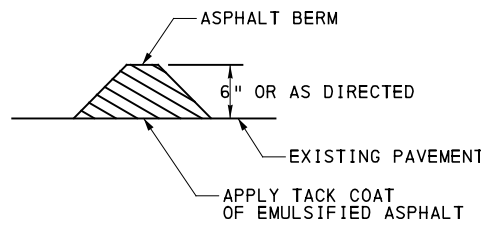
SHT. 453



BITUMINOUS DIVERSION CURB



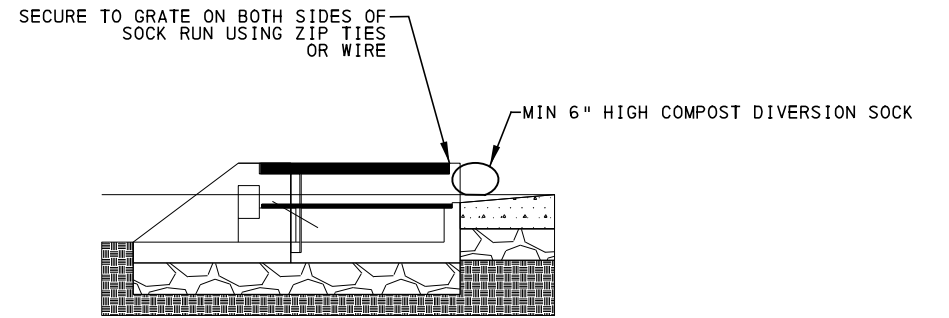
COMPOST DIVERSION SOCK



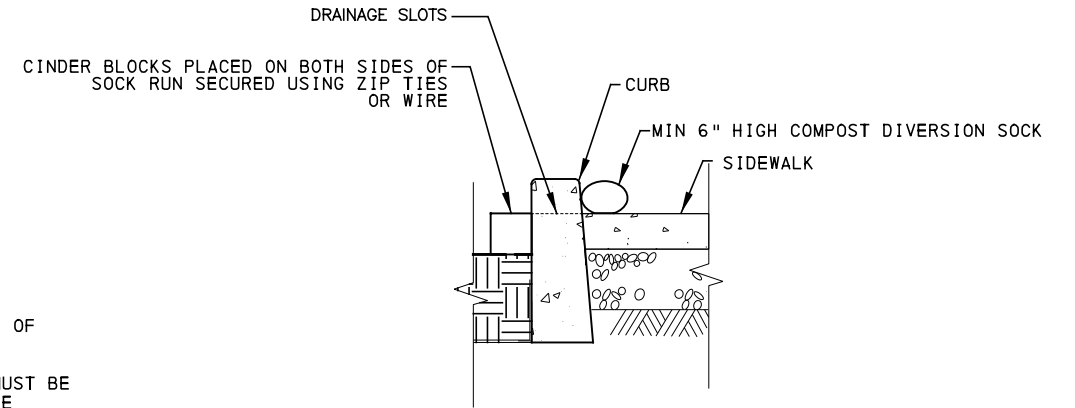
TEMPORARY ASPHALT BERM
NOT TO SCALE

NOTE:

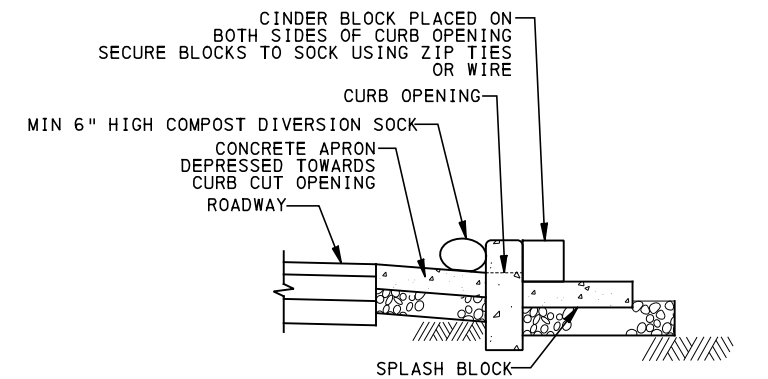
1. MAY BE USED IN PLACE OF COMPOST DIVERSION SOCK.
2. PERMANENT PAVEMENT MUST BE RESTORED TO FULLY USABLE CONDITION AFTER REMOVAL OF BERM TO THE OWNER'S SATISFACTION.



TYPICAL INTEGRATED INLET (FOXHOLE) DIVERSION SOCK
NOT TO SCALE



TYPICAL SIDEWALK SLOT DIVERSION SOCK
NOT TO SCALE



TYPICAL CURB CUT DIVERSION SOCK
NOT TO SCALE

NOTES:

1. AFTER CURB CUT OR DRAINAGE SLOT ARE IN PLACE IMMEDIATELY INSTALL COMPOST FILTER SOCK AT OPENING.
2. FILTER SOCK SHALL REMAIN IN PLACE UNTIL ALL UPSLOPE AREAS HAVE BEEN STABILIZED AND CONSTRUCTION OF THE BIOSWALE HAS BEEN COMPLETED.

BIOSWALE DIVERSION SOCK
NOT TO SCALE

NOTES:

1. DIVERSION CURB OR SOCK IS TO PREVENT STORM RUNOFF FROM ENTERING EXCAVATIONS WHERE BASEMENT WALLS, VAULTS, OR OTHER FLOOD-SENSITIVE STRUCTURES MAY BE EXPOSED. DIVERSION MAY NOT BE NEEDED WHERE ADJACENT PAVEMENT SLOPES AWAY FROM THE EXCAVATION, WHERE THERE IS NEGLIGIBLE UPSLOPE AREA, WHERE THERE IS NO SIGNIFICANT RISK OF FLOOD DAMAGE, OR WHERE CURB WILL BE RESTORED BEFORE RISK OF PRECIPITATION.
2. DIVERSION CURB OR SOCK SHOULD GENERALLY EXTEND TO UPSTREAM CURB FACE WITH A DURABLE WATERTIGHT CLOSURE. USE REMOVABLE CAULK, PLASTIC SHEET WITH BALLAST, OR OTHER MATERIALS FOR CLOSURE. EXTEND DIVERSION TO THE DOWNSTREAM CURB OR AS NEEDED TO PREVENT FLOW INTO THE EXCAVATION.
3. SEE "COMPOST FILTER SOCK" DETAIL. COMPOST DIVERSION SOCK MESH FABRIC IS TO BE THE SAME BUT COMPOST DIVERSION SOCK FILL MATERIAL IS TO BE GROWING MEDIA AS NOTED IN THE TEMPORARY COMPOST DIVERSION SOCK DETAIL.
4. REMOVE & DISPOSE OF SOCK, ASPHALT, CAULK WHEN FINISHED. RESTORE EXISTING PAVEMENT.
5. DIVERSION MAY NEED TO BE RESET WHEN WORK ACTIVITIES ARE LOCATED IN CLOSE PROXIMITY OR DUE TO RESTRICTED WORK AREAS BEHIND TRAFFIC BARRIERS. RESTORE DIVERSION PRIOR TO END OF WORK DAY OR PRIOR TO ANY RAIN EVENTS.

TEMPORARY DIVERSION AT SAWCUT
NOT TO SCALE



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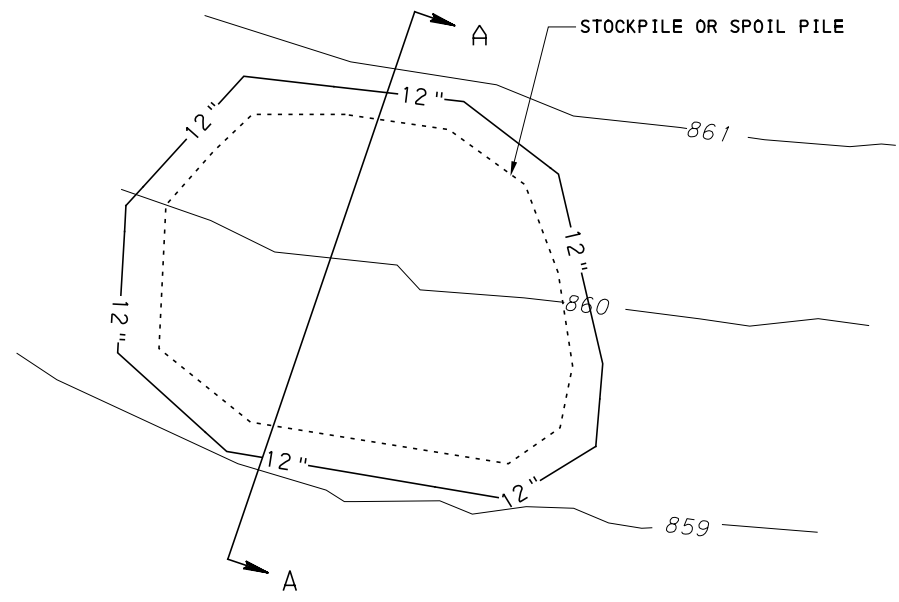
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PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND EROSION & SEDIMENTATION CONTROL PLANS DETAILS		
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001	
	DWG. NO. ES10	SHT. 454

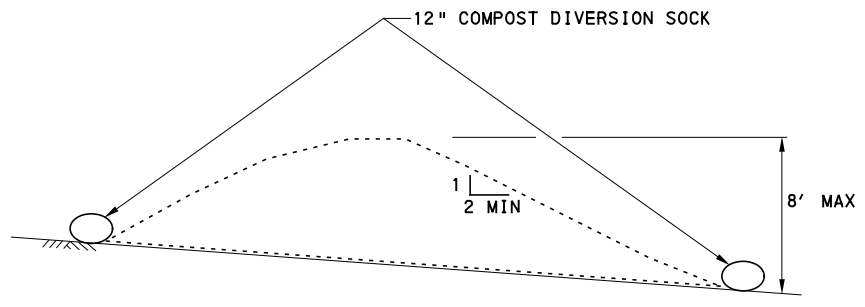


PLAN

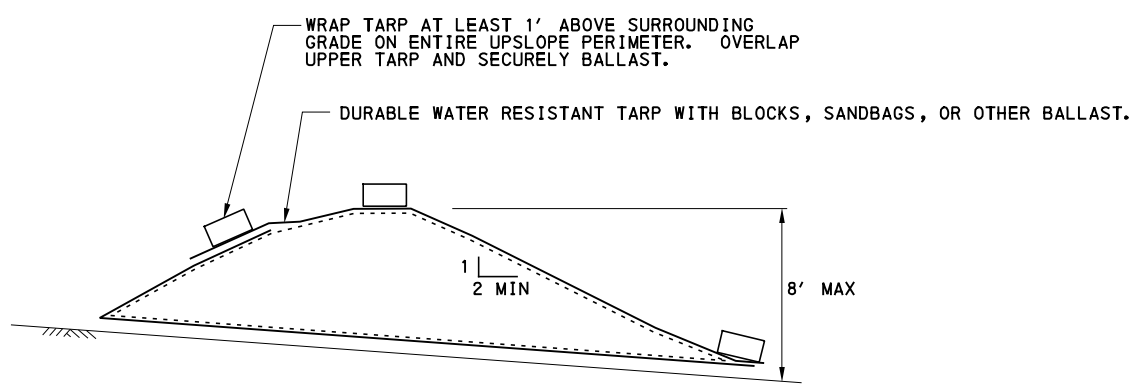
NOTES:

1. PROTECT ALL ERODIBLE STOCKPILES AND SPOIL PILES DURING NON-WORKING HOURS OR WHEN RAINFALL MIGHT OCCUR WITH EITHER COMPOST SOCK OR TARP. USE COMPOST SOCK OPTION ONLY WHERE APPROVED BY ENGINEER.
2. PLACE GEOTEXTILE OR TARP UNDER ALL PILES. CAREFULLY ROLL UP TARP TO REMOVE ALL DIRT WHEN STOCKPILE IS REMOVED.
3. KEEP STOCKPILES WITHIN LIMITS-OF-DISTURBANCE SHOWN ON PLANS.

TYPICAL STOCKPILE
 NOT TO SCALE



SECTION A-A - COMPOST SOCK OPTION



SECTION A-A - TARP OPTION

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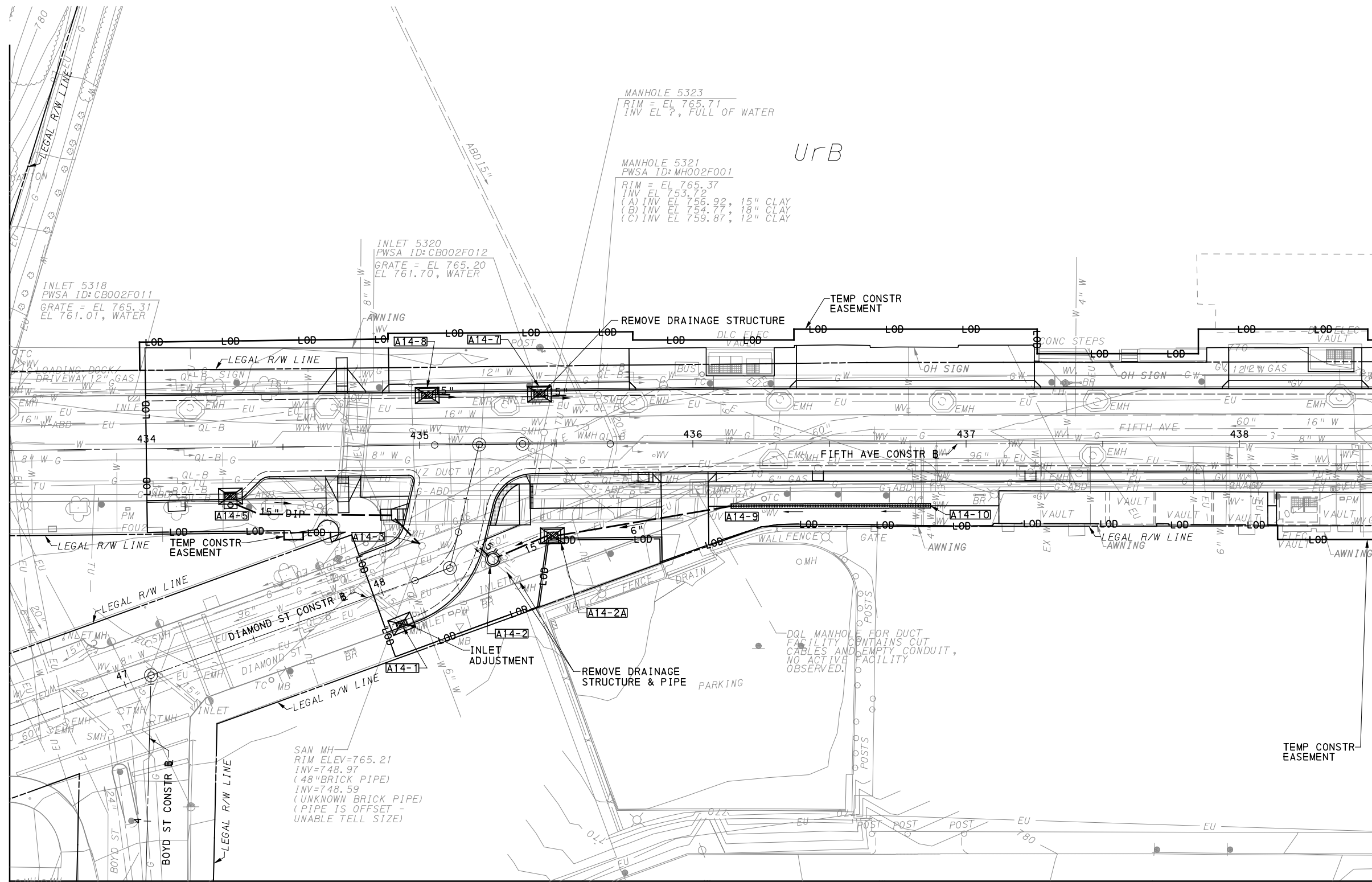
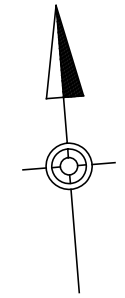
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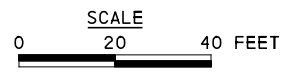
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Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ES11 SHT. 455



MATCH LINE SEE SHEET 457

MATCH LINE SEE SHEET 481



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	SOIL BOUNDARY
<i>UrB</i>	SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE

[FOR ROADWAY PLAN SEE SHEET 357]

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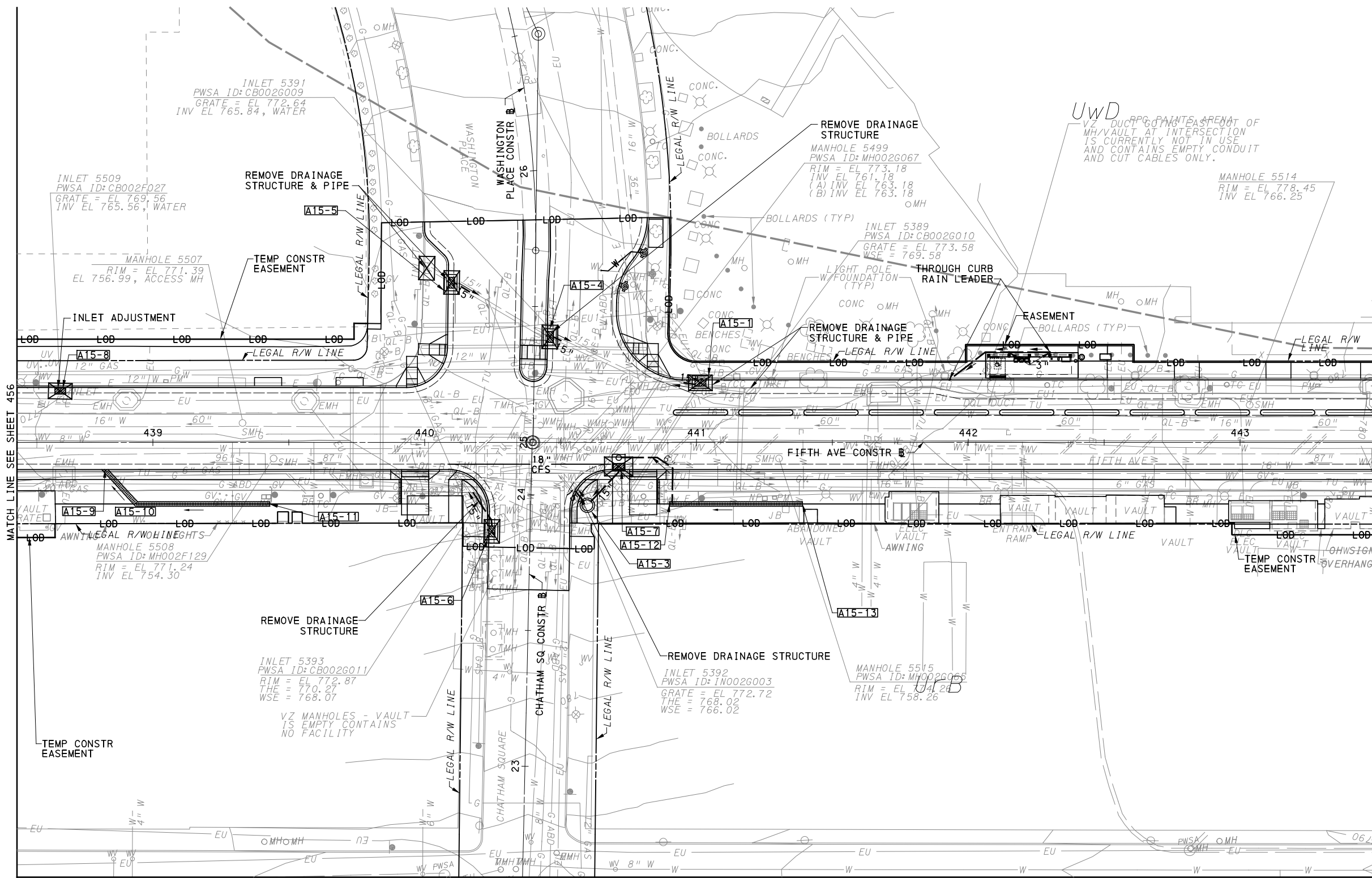
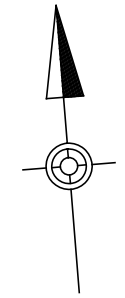
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PORT AUTHORITY OF ALLEGHENY COUNTY
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BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FIFTH AVE - STA 433+50 TO STA 438+50

Port Authority connecting people to life™

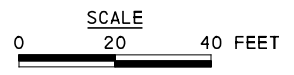
CONTRACT NO. BRT-001	
DWG. NO. ES12	SHT. 456



MATCH LINE SEE SHEET 456

MATCH LINE SEE SHEET 458

MATCH LINE SEE SHEET 483



LEGEND	
— 12" —	COMPOST DIVERSION SOCK (SIZE AS NOTED)
— 12" CFS	COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
---	SOIL BOUNDARY
UrB	SOIL UNIT NAME
---	EXISTING CONTOUR MINOR
-732-	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE

[FOR ROADWAY PLAN SEE SHEET 358]

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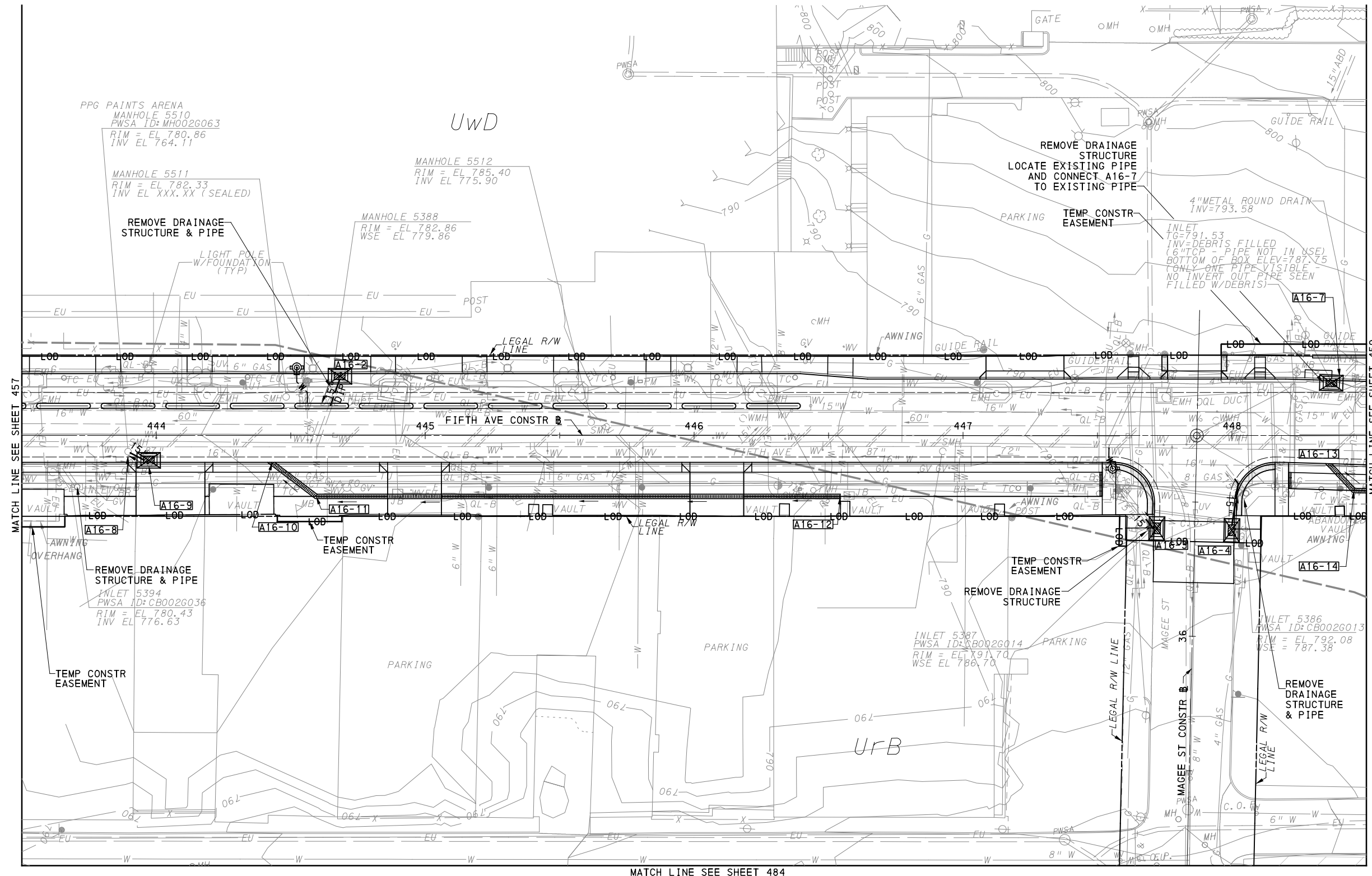
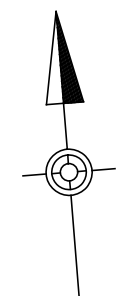
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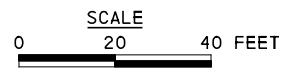
PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 438+50 TO STA 443+50	
Port Authority connecting people to life	CONTRACT NO. BRT-001
DWG. NO. ES13	SHT. 457



MATCH LINE SEE SHEET 457

MATCH LINE SEE SHEET 459

MATCH LINE SEE SHEET 484



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	SOIL BOUNDARY
	UrB SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE

[FOR ROADWAY PLAN SEE SHEET 359]

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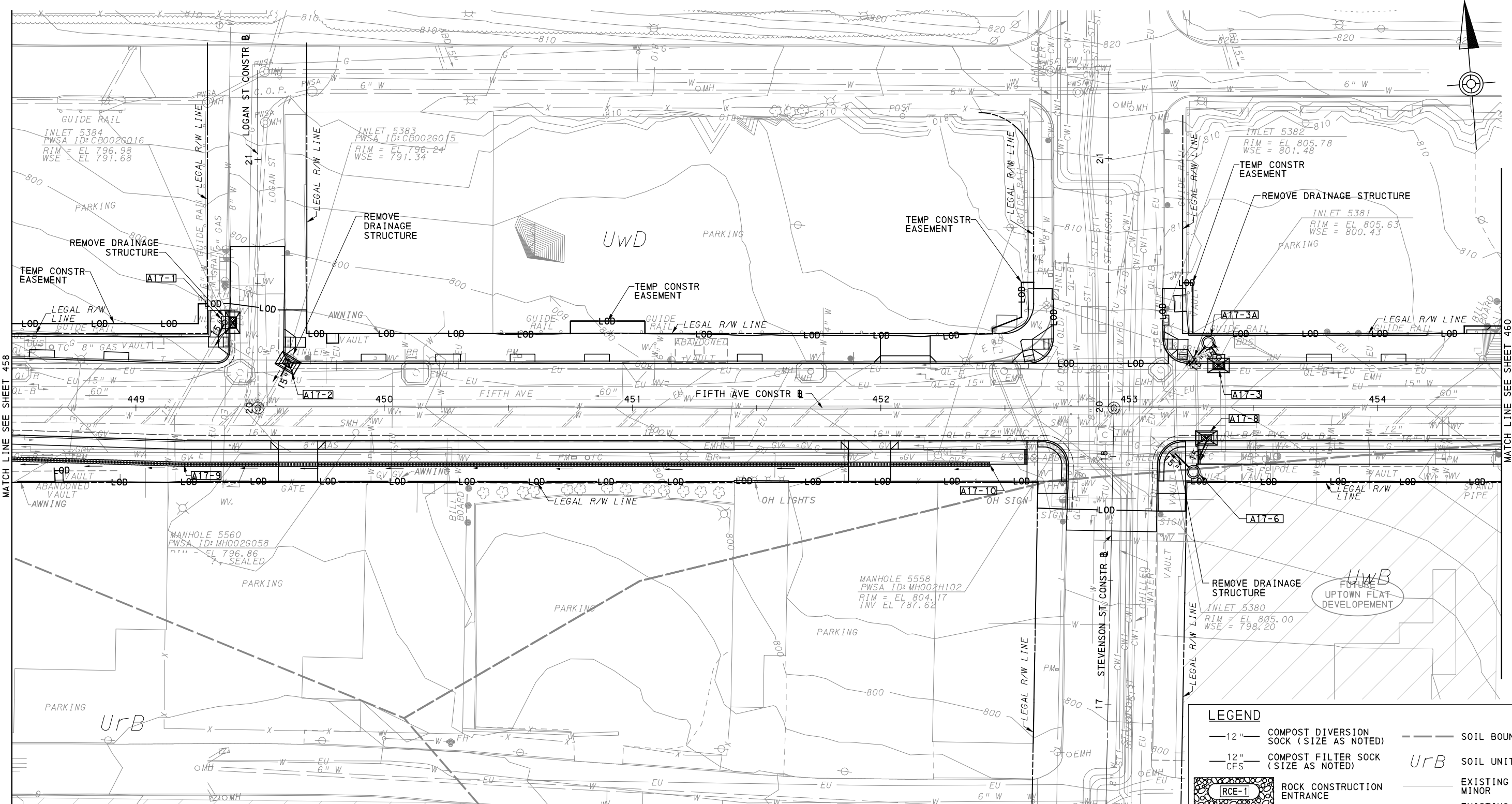
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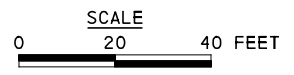
PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 443+50 TO STA 448+50	
Port Authority connecting people to life	CONTRACT NO. BRT-001
DWG. NO. ES14	SHT. 458



MATCH LINE SEE SHEET 458

MATCH LINE SEE SHEET 460

MATCH LINE SEE SHEET 485



LEGEND	
— 12" —	COMPOST DIVERSION SOCK (SIZE AS NOTED)
— 12" CFS —	COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
---	SOIL BOUNDARY
UrB	SOIL UNIT NAME
---	EXISTING CONTOUR MINOR
-732-	EXISTING CONTOUR MAJOR
	DRAINAGE STRUCTURE

[FOR ROADWAY PLAN SEE SHEET 360]

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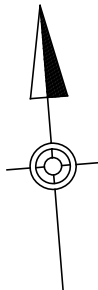
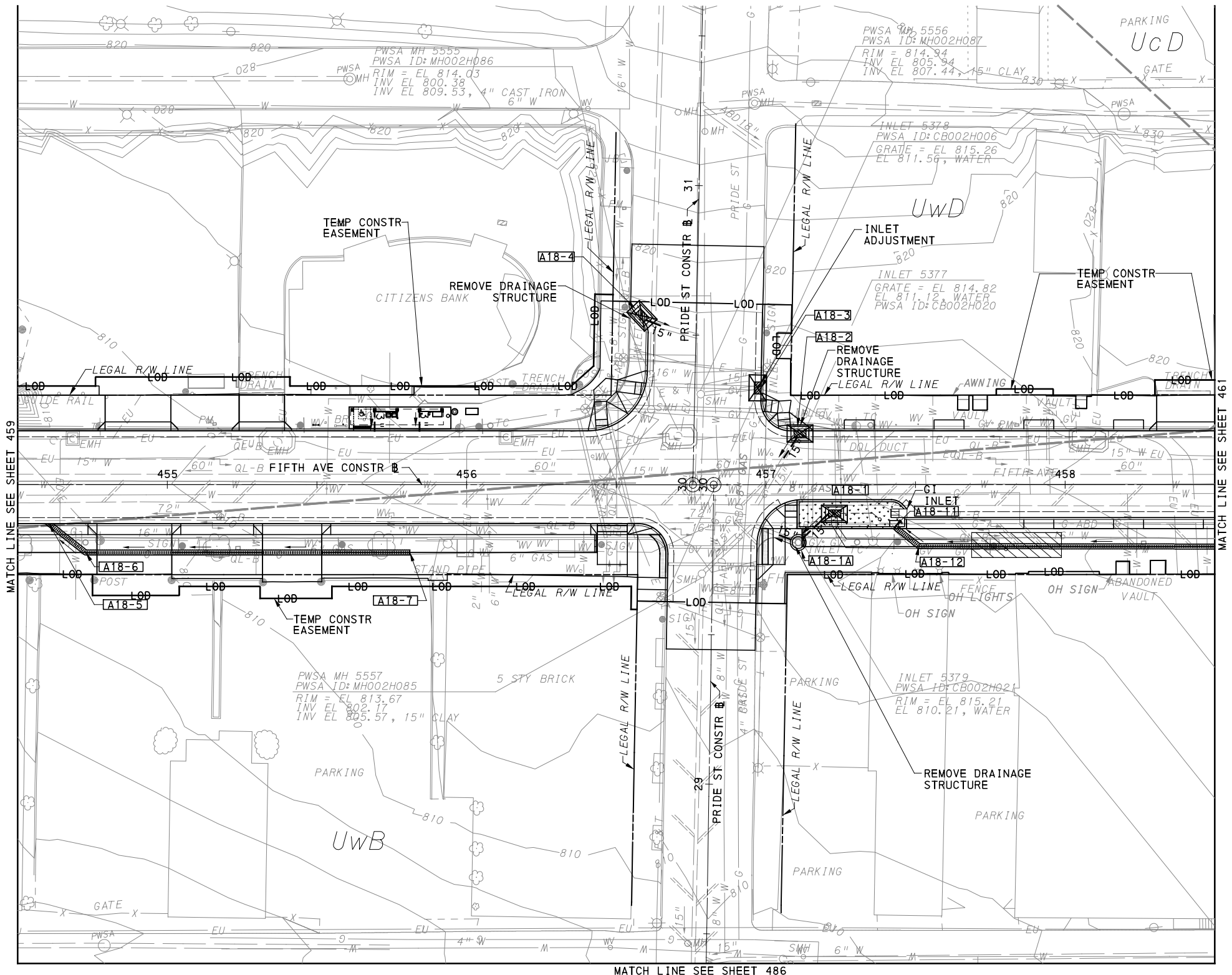
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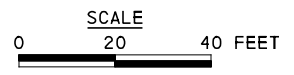
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 PITTSBURGH PENNSYLVANIA
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 EROSION & SEDIMENTATION CONTROL PLANS
 FIFTH AVE - STA 448+50 TO STA 454+50

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CONTRACT NO. BRT-001
 DWG. NO. ES15 SHT. 459



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	RCE-1 ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	SOIL BOUNDARY
	UrB SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	-7.32- EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE



[FOR ROADWAY PLAN SEE SHEET 361]

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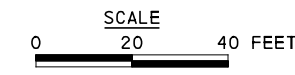
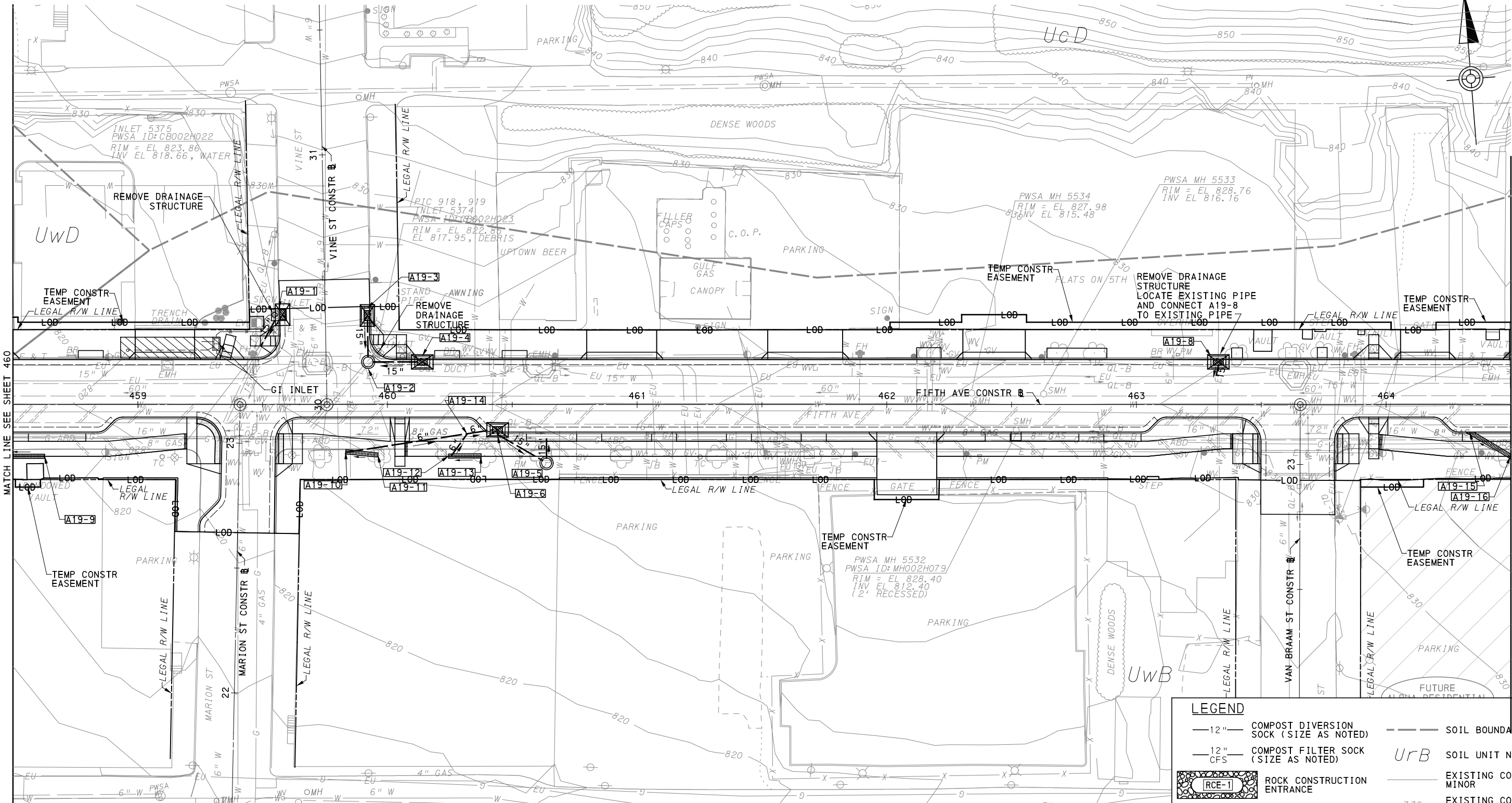
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DWG. NO. ES16	SHT. 460



LEGEND	
— 12" —	COMPOST DIVERSION SOCK (SIZE AS NOTED)
— 12" CFS —	COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
---	SOIL BOUNDARY
UrB	SOIL UNIT NAME
---	EXISTING CONTOUR MINOR
-732-	EXISTING CONTOUR MAJOR
	DRAINAGE STRUCTURE

[FOR ROADWAY PLAN SEE SHEET 362]

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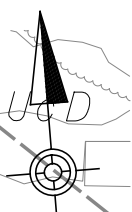
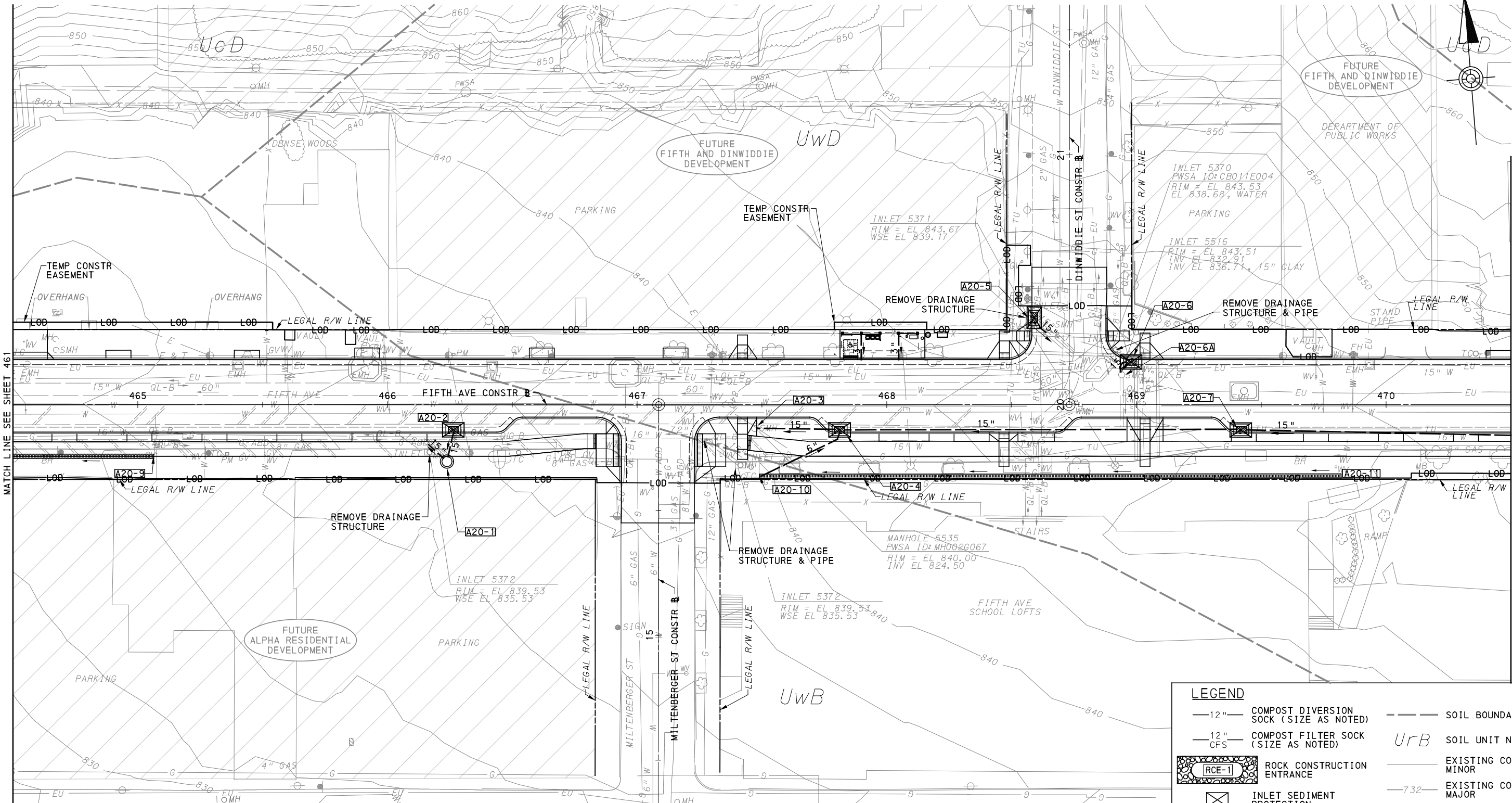
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PORT AUTHORITY OF ALLEGHENY COUNTY
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BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FIFTH AVE - STA 458+50 TO STA 464+50

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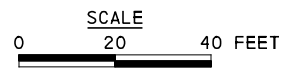
CONTRACT NO. BRT-001
 DWG. NO. ES17 SHT. 461



MATCH LINE SEE SHEET 461

MATCH LINE SEE SHEET 463

MATCH LINE SEE SHEET 488



LEGEND	
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— 12" CFS —	COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
---	SOIL BOUNDARY
UrB	SOIL UNIT NAME
---	EXISTING CONTOUR MINOR
-732-	EXISTING CONTOUR MAJOR
	DRAINAGE STRUCTURE

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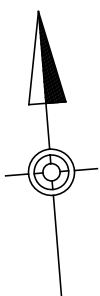
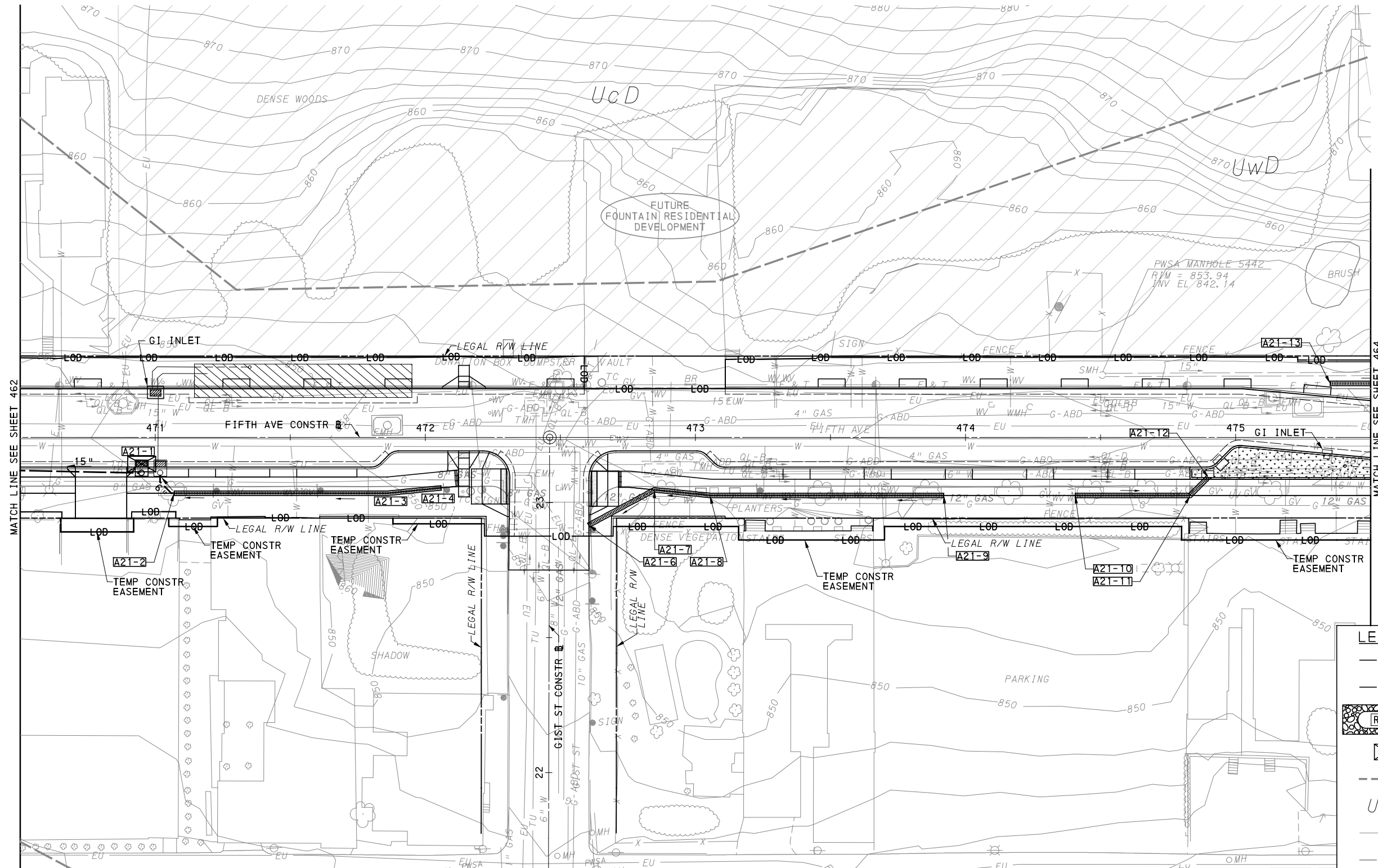
[FOR ROADWAY PLAN SEE SHEET 363]

PORT AUTHORITY OF ALLEGHENY COUNTY
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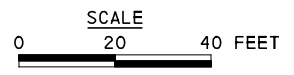
BUS RAPID TRANSIT UPTOWN TO OAKLAND
EROSION & SEDIMENTATION CONTROL PLANS
FIFTH AVE - STA 464+50 TO STA 470+50

Port Authority connecting people to life™

CONTRACT NO. BRT-001
 DWG. NO. ES18 SHT. 462



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	SOIL BOUNDARY
	UrB SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE



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 5th Floor
 Pittsburgh, PA 15219

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(NOT FOR CONSTRUCTION)

DESIGNED	JMS
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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

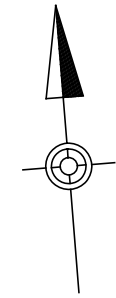
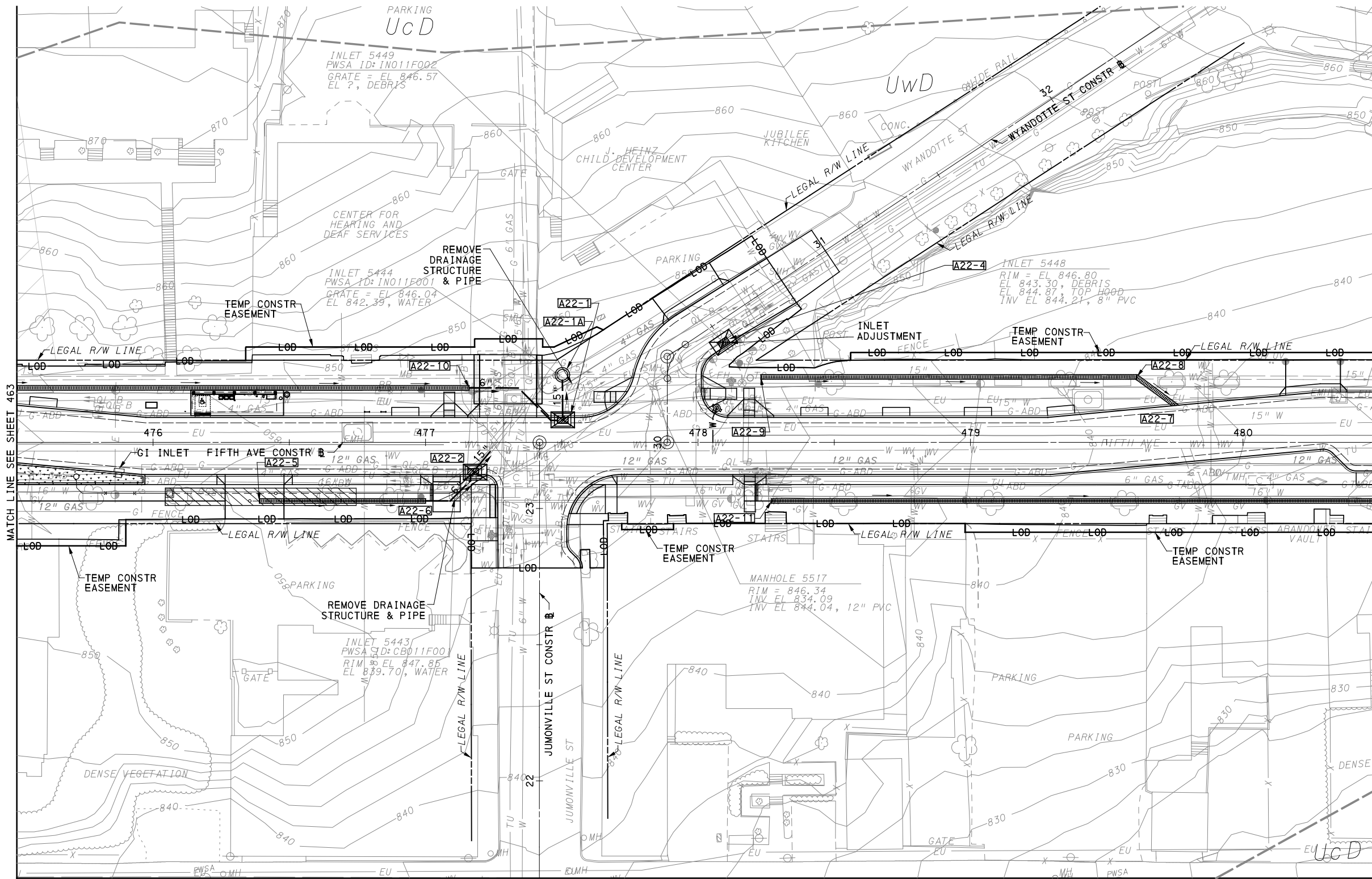
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FIFTH AVE - STA 470+50 TO STA 475+50

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CONTRACT NO. BRT-001
 DWG. NO. ES19 SHT. 463

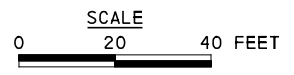
[FOR ROADWAY PLAN SEE SHEET 364]



MATCH LINE SEE SHEET 465

MATCH LINE SEE SHEET 463

MATCH LINE SEE SHEET 490



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	SOIL BOUNDARY
	SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE

[FOR ROADWAY PLAN SEE SHEET 365]

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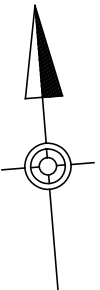
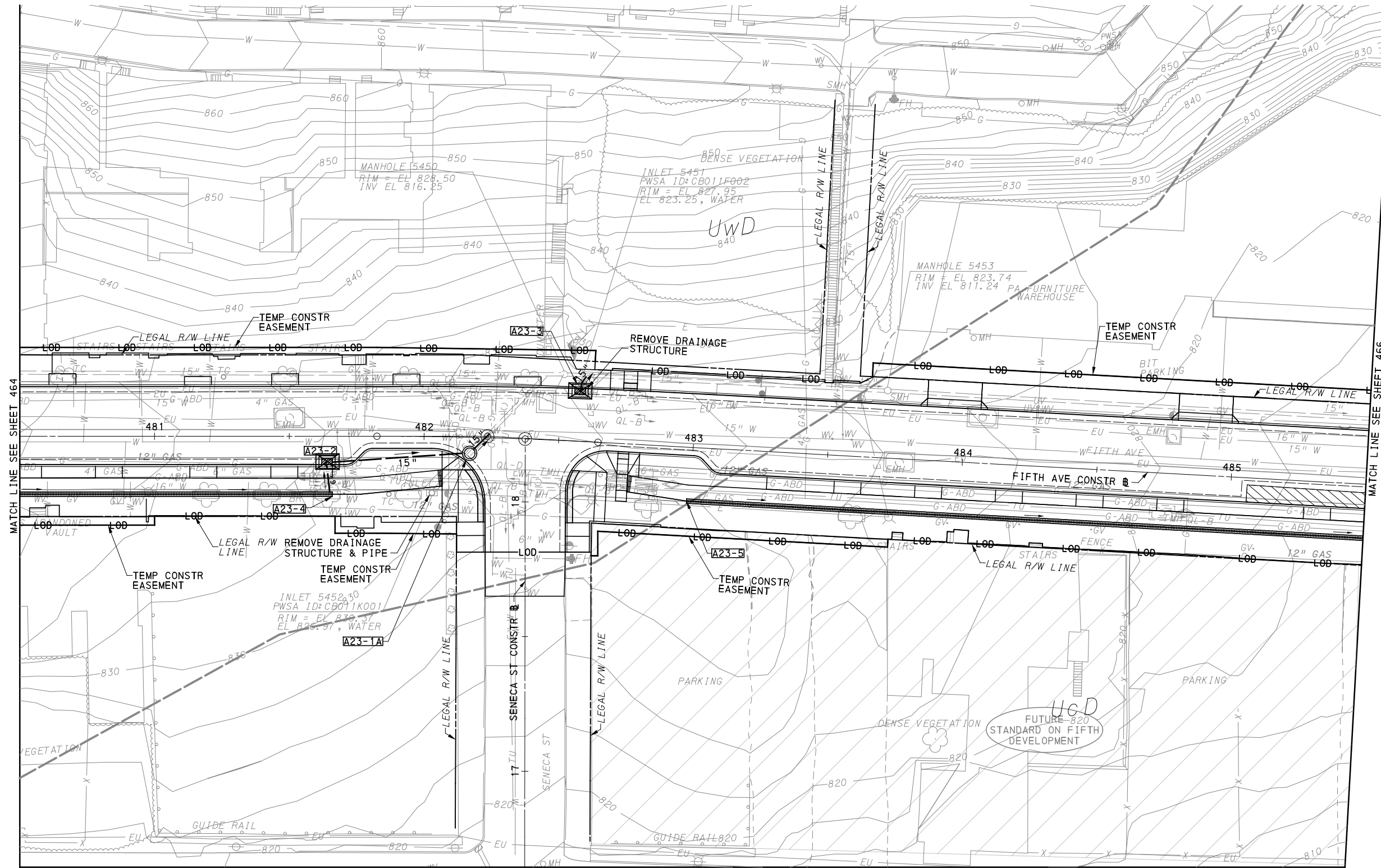
NO.	DATE	DESCRIPTION
REVISIONS		

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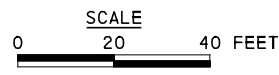
(NOT FOR CONSTRUCTION)

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CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 475+50 TO STA 480+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ES20 SHT. 464



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	SOIL BOUNDARY
	UrB SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE



[FOR ROADWAY PLAN SEE SHEET 366]

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(NOT FOR CONSTRUCTION)

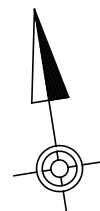
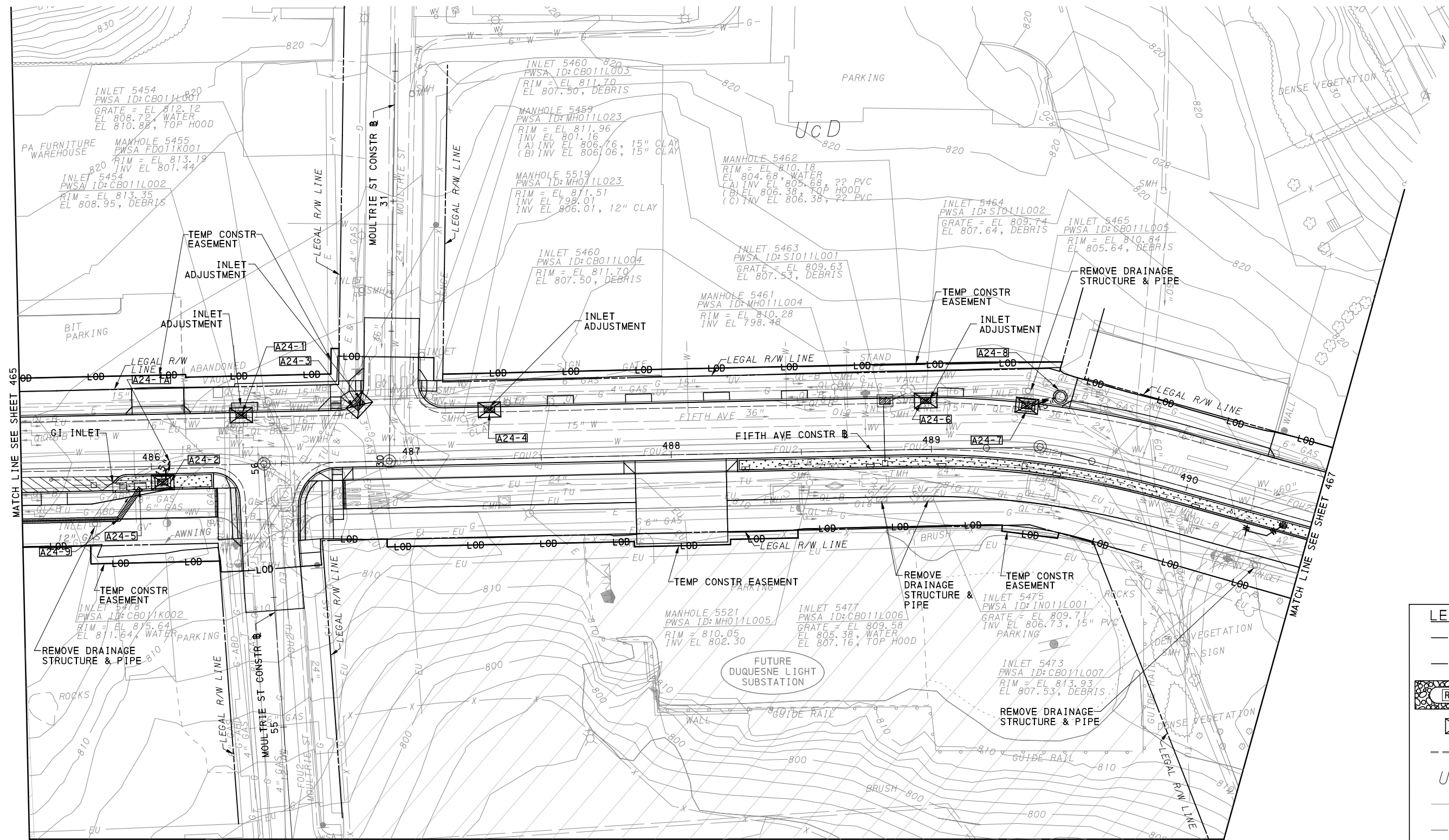
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DRAWN	JMS
CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

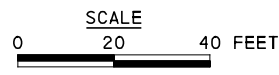
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FIFTH AVE - STA 480+50 TO STA 485+50

Port Authority connecting people to life™

CONTRACT NO. BRT-001	
DWG. NO. ES21	SHT. 465



LEGEND	
— 12" —	COMPOST DIVERSION SOCK (SIZE AS NOTED)
— 12" CFS	COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
---	SOIL BOUNDARY
UrB	SOIL UNIT NAME
---	EXISTING CONTOUR MINOR
-732-	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE



[FOR ROADWAY PLAN SEE SHEET 367]

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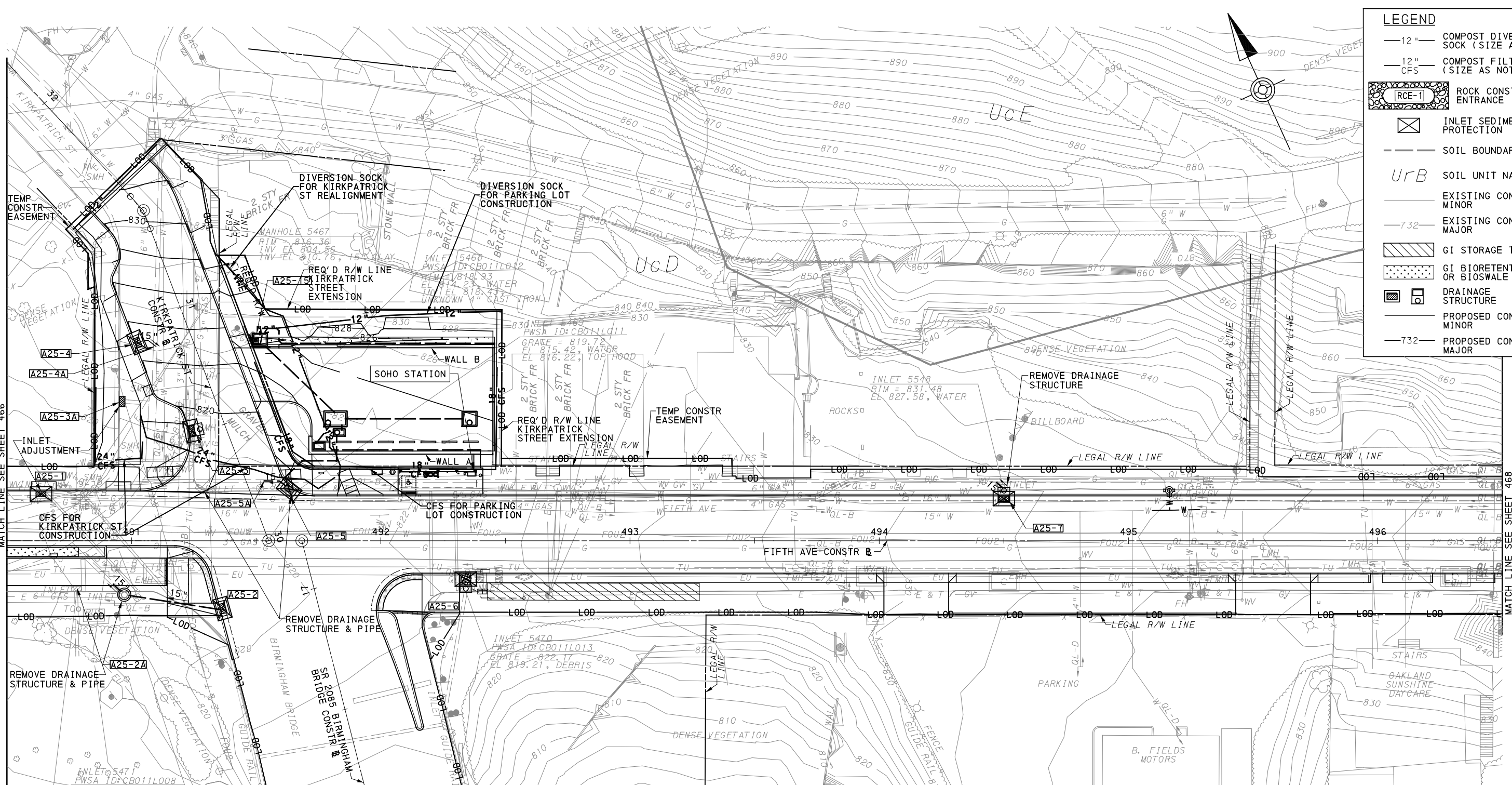
NO.	DATE	DESCRIPTION
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(NOT FOR CONSTRUCTION)

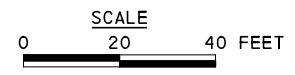
DESIGNED	JMS
DRAWN	JMS
CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 485+50 TO STA 490+50	
Port Authority connecting people to life™	CONTRACT NO. BRT-001
DWG. NO. ES22	SHT. 466



LEGEND

- 12"— COMPOST DIVERSION SOCK (SIZE AS NOTED)
- 12" CFS— COMPOST FILTER SOCK (SIZE AS NOTED)
- RCE-1 ROCK CONSTRUCTION ENTRANCE
- INLET SEDIMENT PROTECTION
- SOIL BOUNDARY
- UrB SOIL UNIT NAME
- 732--- EXISTING CONTOUR MINOR
- 732--- EXISTING CONTOUR MAJOR
- GI STORAGE TRENCH
- GI BIORETENTION OR BIOSWALE
- DRAINAGE STRUCTURE
- 732--- PROPOSED CONTOUR MINOR
- 732--- PROPOSED CONTOUR MAJOR



[FOR ROADWAY PLAN SEE SHEET 368]

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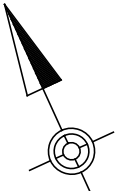
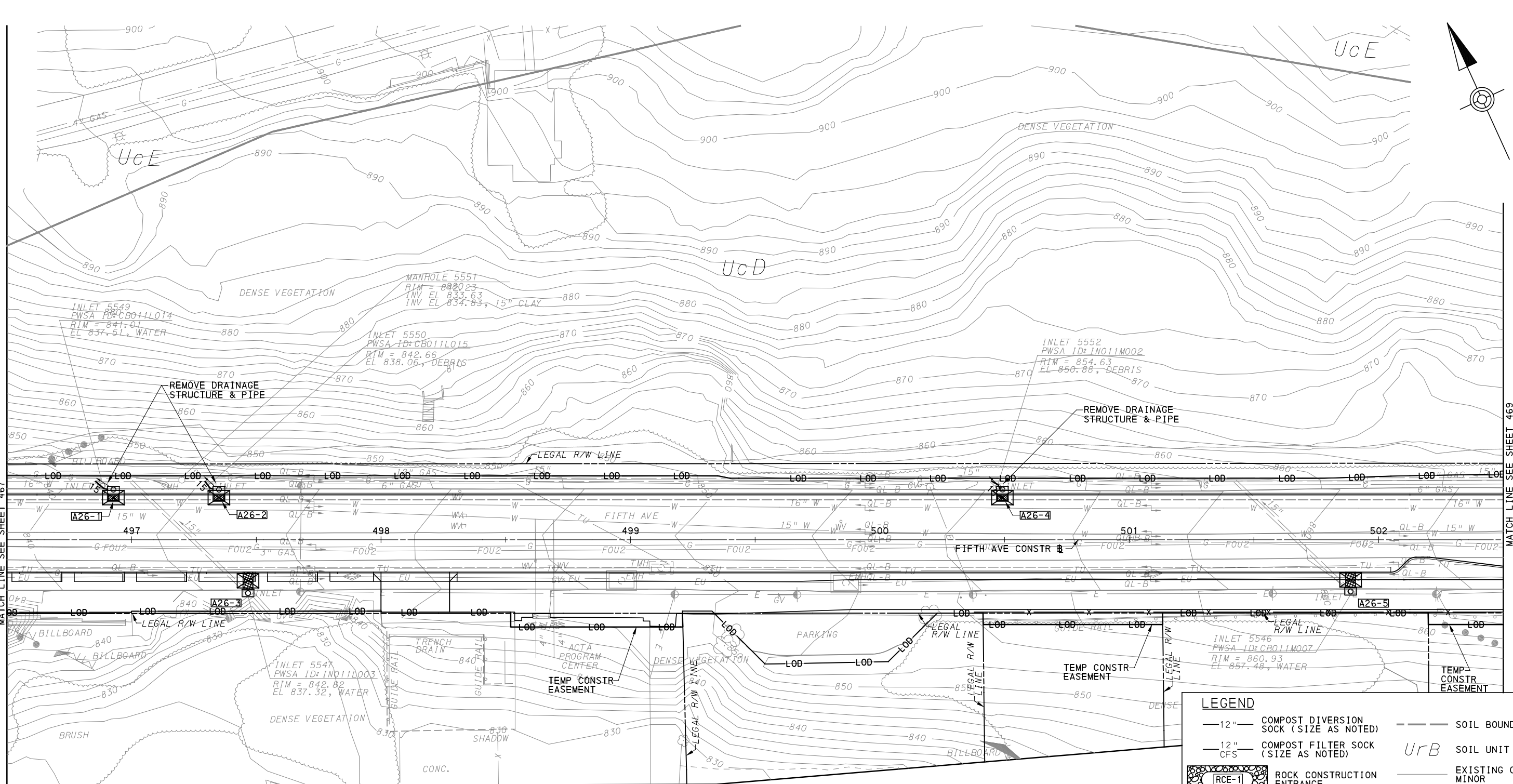
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CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FIFTH AVE - STA 490+50 TO STA 496+50

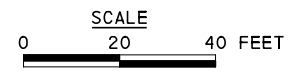
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CONTRACT NO. BRT-001
 DWG. NO. ES23 SHT. 467



MATCH LINE SEE SHEET 467

MATCH LINE SEE SHEET 469



LEGEND	
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	12" CFS COMPOST FILTER SOCK (SIZE AS NOTED)
	RCE-1 ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	SOIL BOUNDARY
<i>UrB</i>	SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	EXISTING CONTOUR MAJOR
	DRAINAGE STRUCTURE

FOR ROADWAY PLAN SEE SHEET 369

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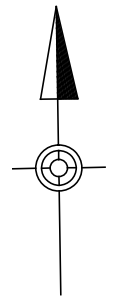
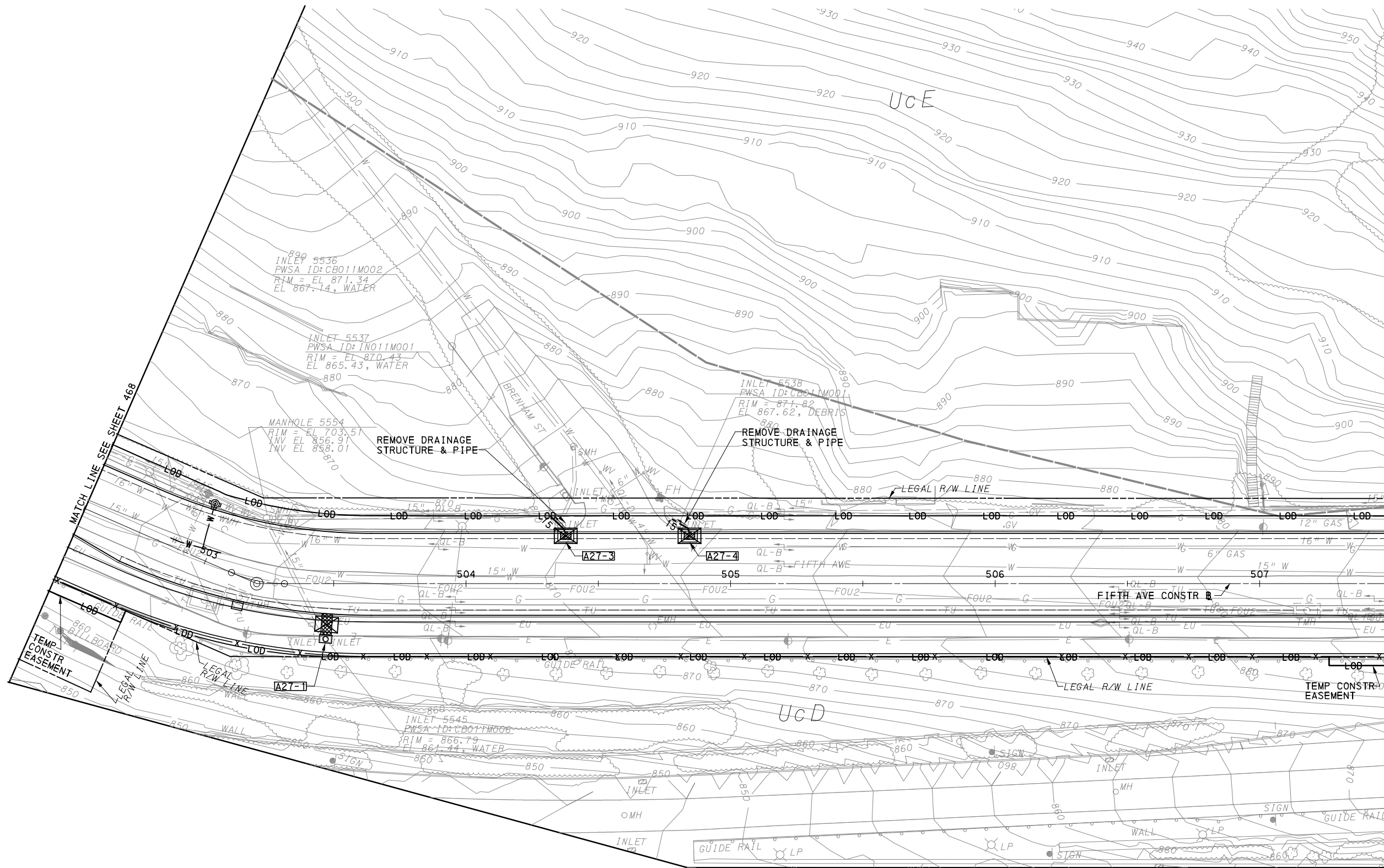
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DRAWN	JMS
CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
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BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FIFTH AVE - STA 496+50 TO STA 502+50

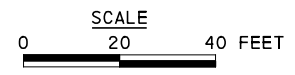
Port Authority connecting people to life™

CONTRACT NO. BRT-001
DWG. NO. ES24
SHT. 468



LEGEND

- 12" — COMPOST DIVERSION SOCK (SIZE AS NOTED)
- 12" CFS — COMPOST FILTER SOCK (SIZE AS NOTED)
- RCE-1 ROCK CONSTRUCTION ENTRANCE
- INLET SEDIMENT PROTECTION
- - - SOIL BOUNDARY
- UrB SOIL UNIT NAME
- — — EXISTING CONTOUR MINOR
- 732- EXISTING CONTOUR MAJOR
- GI STORAGE TRENCH
- GI BIORETENTION OR BIOSWALE
- DRAINAGE STRUCTURE



[FOR ROADWAY PLAN SEE SHEET 370]

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(NOT FOR CONSTRUCTION)

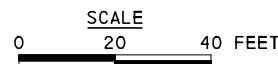
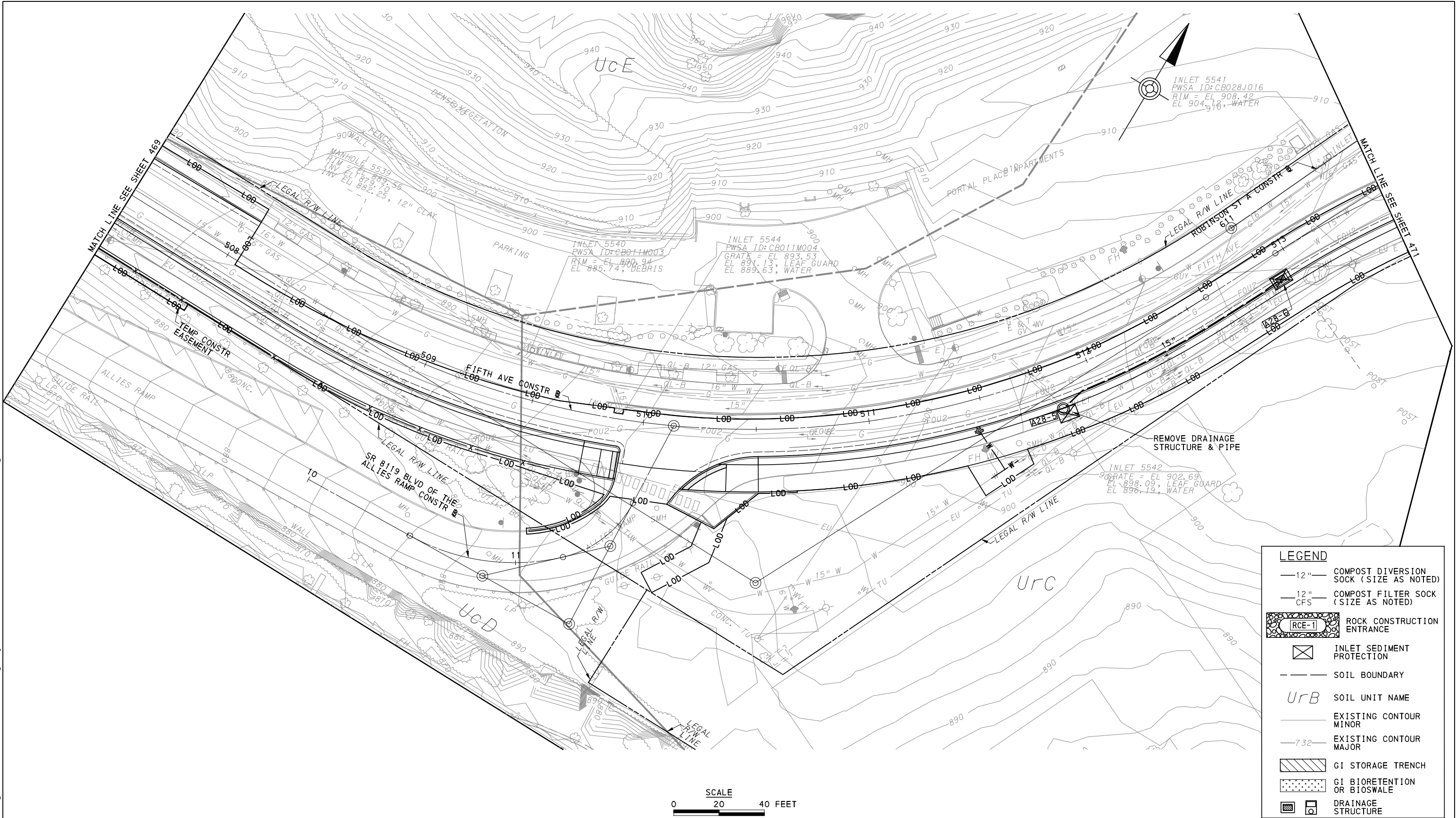
DESIGNED	JMS
DRAWN	JMS
CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
EROSION & SEDIMENTATION CONTROL PLANS
FIFTH AVE - STA 502+50 TO STA 507+50

Port Authority connecting people to life™

CONTRACT NO. BRT-001
DWG. NO. ES25 SHT. 469



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	SOIL BOUNDARY
<i>UrB</i>	SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE

[FOR ROADWAY PLAN SEE SHEET 371]

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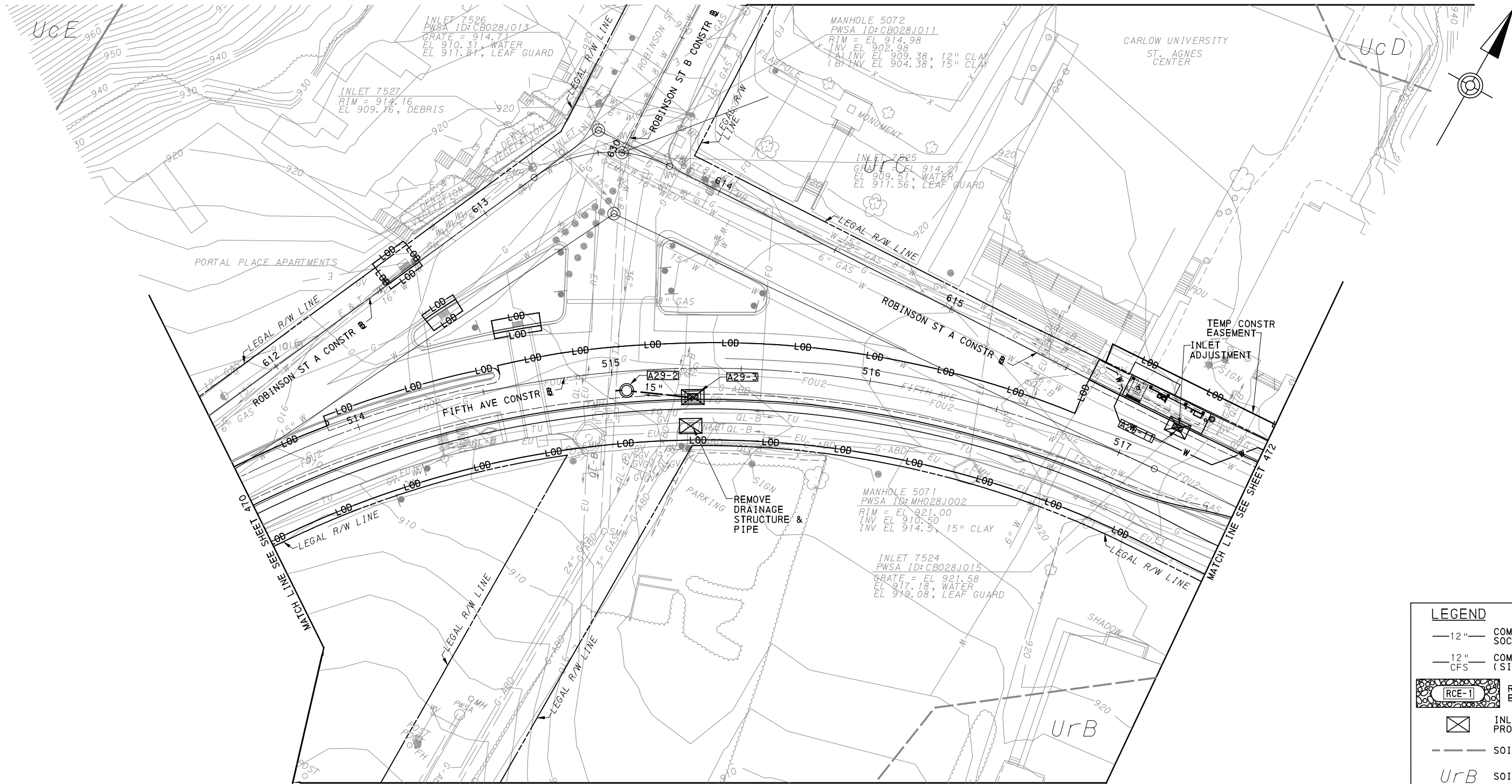
NO.	DATE	DESCRIPTION
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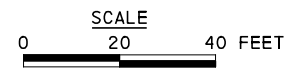
(NOT FOR CONSTRUCTION)

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CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 507+50 TO STA 513+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ES26 SHT. 470



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	RCE-1 ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	SOIL BOUNDARY
	UrB SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	-7.32- EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE



[FOR ROADWAY PLAN SEE SHEET 372]

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NO.	DATE	DESCRIPTION
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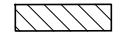
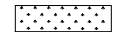

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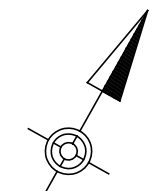
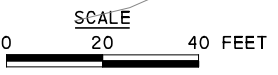
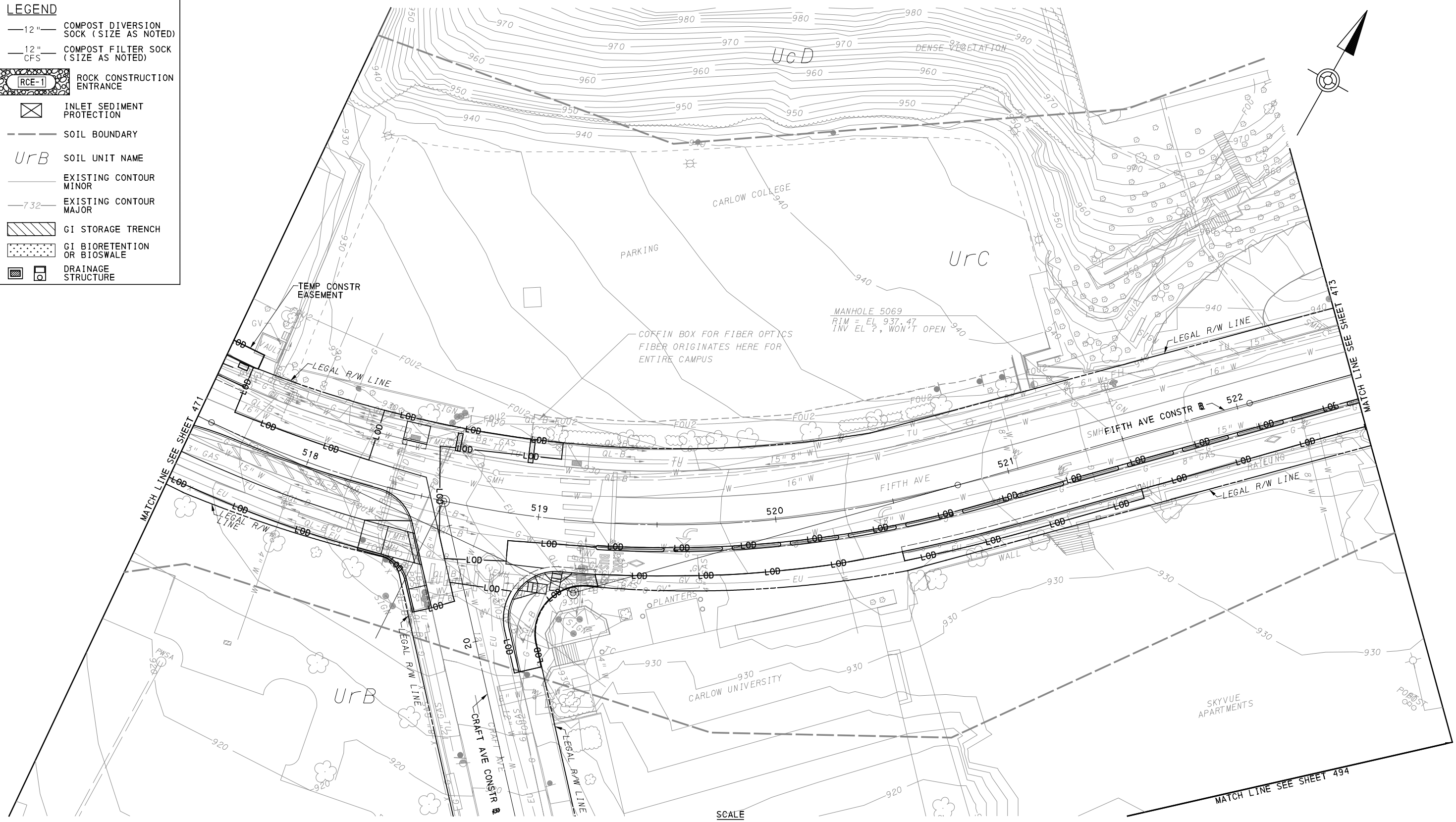
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IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA		
BUS RAPID TRANSIT UPTOWN TO OAKLAND EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 513+50 TO STA 517+50		
Port Authority connecting people to life	CONTRACT NO. BRT-001	
	DWG. NO. ES27	SHT. 471

LEGEND

- 12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
- 12" COMPOST FILTER SOCK (SIZE AS NOTED)
-  ROCK CONSTRUCTION ENTRANCE
-  INLET SEDIMENT PROTECTION
- - - SOIL BOUNDARY
- UrB* SOIL UNIT NAME
- EXISTING CONTOUR MINOR
- 732- EXISTING CONTOUR MAJOR
-  GI STORAGE TRENCH
-  GI BIORETENTION OR BIOSWALE
-  DRAINAGE STRUCTURE



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(NOT FOR CONSTRUCTION)

DESIGNED	JMS
DRAWN	JMS
CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

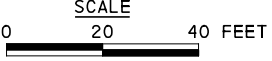
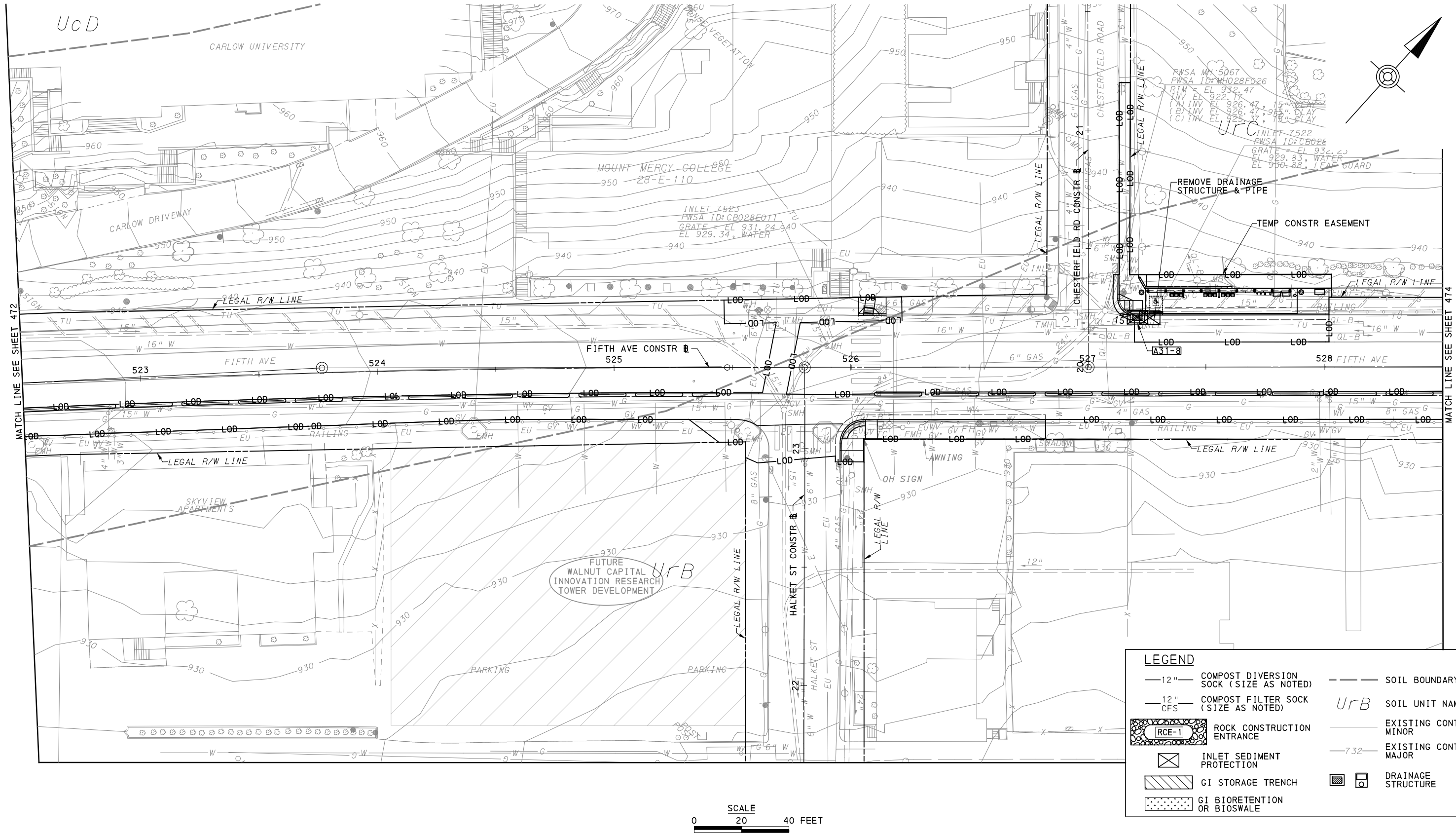
[FOR ROADWAY PLAN SEE SHEET 373]

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FIFTH AVE - STA 528+50 TO STA 534+50

Port Authority
connecting people to life

CONTRACT NO. BRT-001	
DWG. NO. ES28	SHT. 472



LEGEND	
— 12" —	COMPOST DIVERSION SOCK (SIZE AS NOTED)
— 12" CFS —	COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
---	SOIL BOUNDARY
UrB	SOIL UNIT NAME
---	EXISTING CONTOUR MINOR
-732-	EXISTING CONTOUR MAJOR
	DRAINAGE STRUCTURE

[FOR ROADWAY PLAN SEE SHEET 374]



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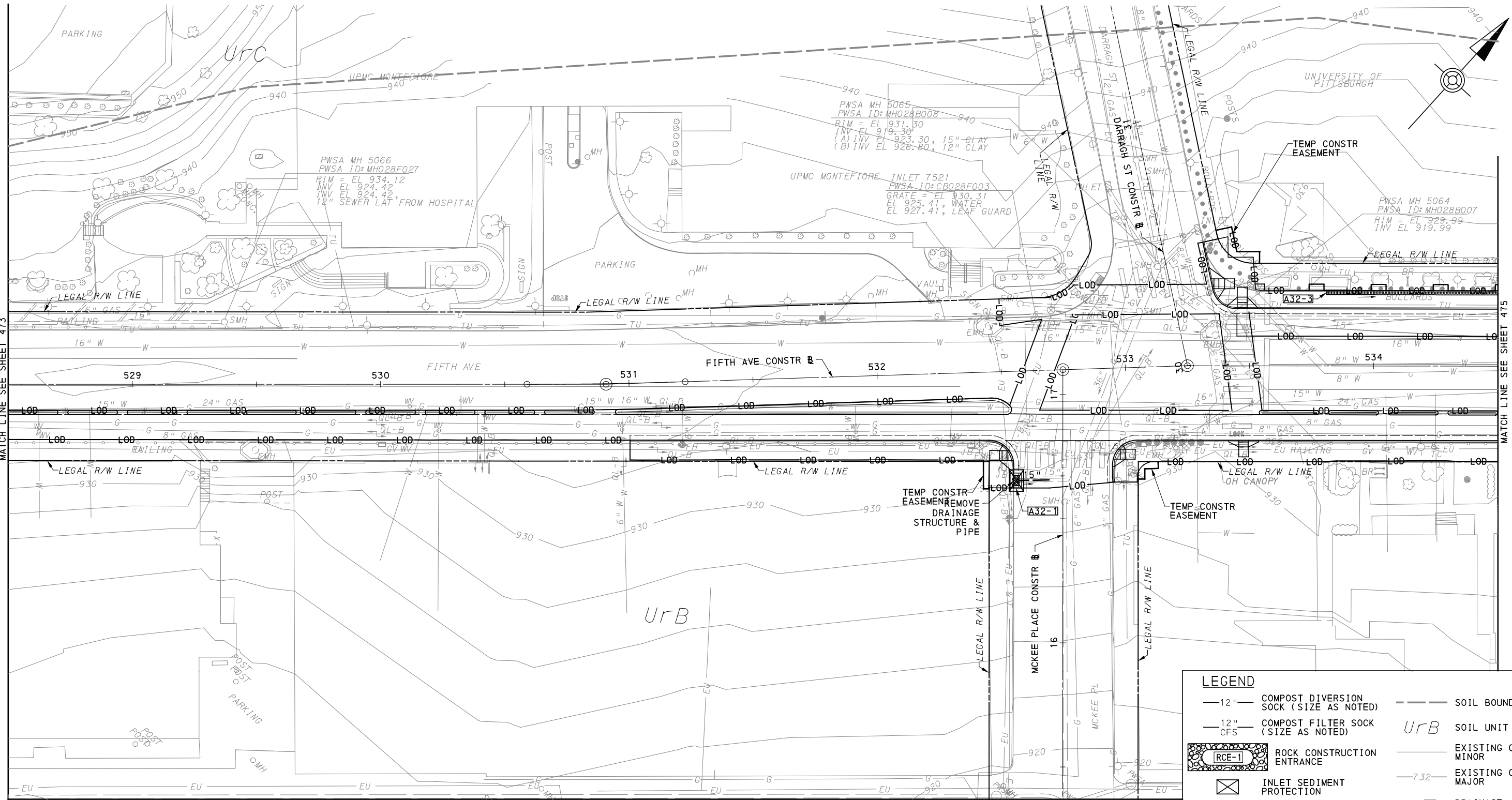
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DRAWN	JMS
CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
EROSION & SEDIMENTATION CONTROL PLANS
FIFTH AVE - STA 522+50 TO STA 528+50

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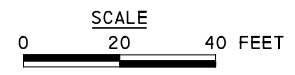
CONTRACT NO. BRT-001	
DWG. NO. ES29	SHT. 473



MATCH LINE SEE SHEET 473

MATCH LINE SEE SHEET 475

MATCH LINE SEE SHEET 496



LEGEND	
— 12" —	COMPOST DIVERSION SOCK (SIZE AS NOTED)
— 12" CFS —	COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
---	SOIL BOUNDARY
UrB	SOIL UNIT NAME
---	EXISTING CONTOUR MINOR
-732-	EXISTING CONTOUR MAJOR
	DRAINAGE STRUCTURE

FOR ROADWAY PLAN SEE SHEET 375

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(NOT FOR CONSTRUCTION)

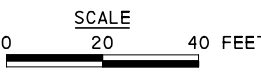
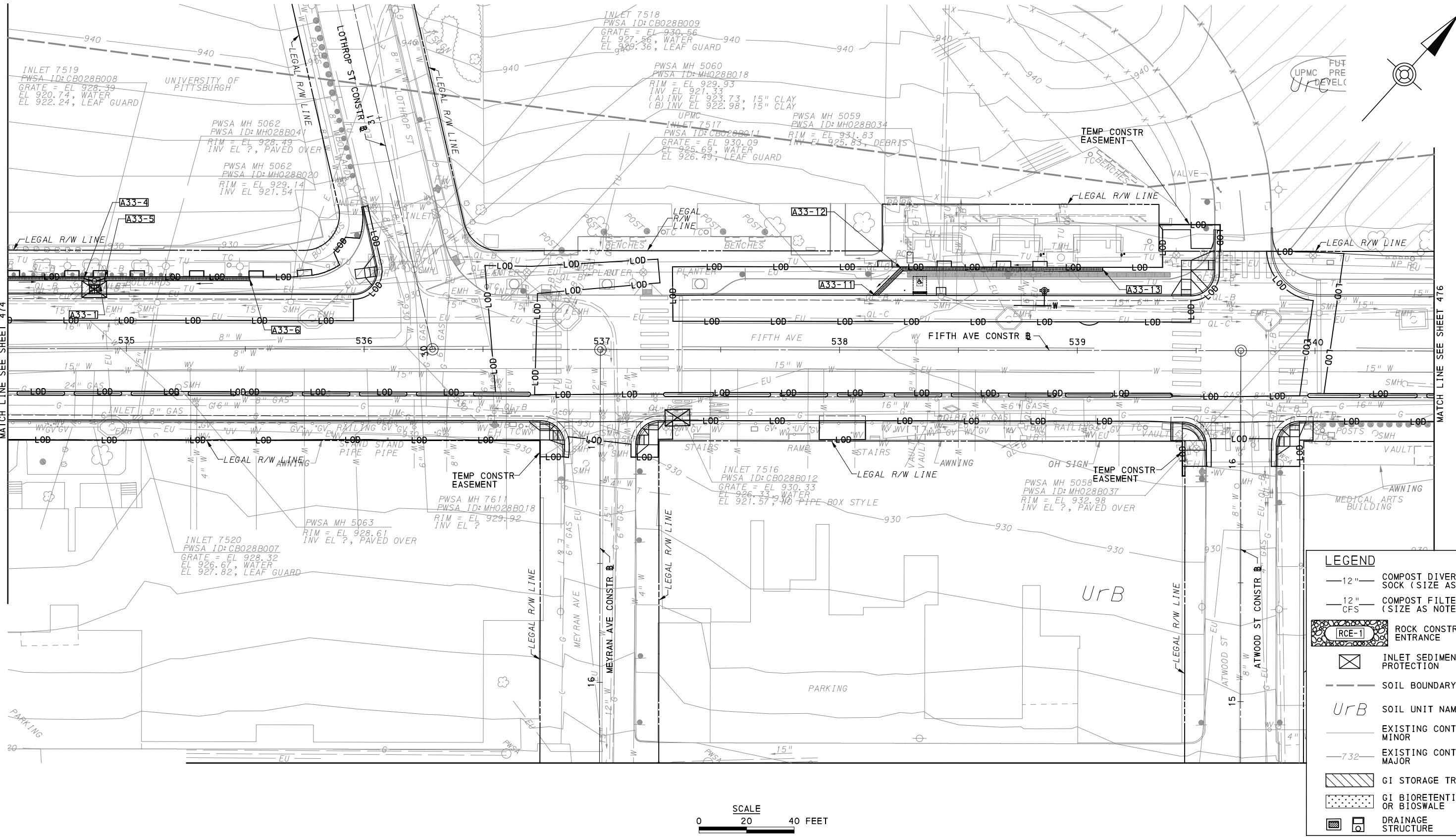
DESIGNED	JMS
DRAWN	JMS
CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FIFTH AVE - STA 528+50 TO STA 534+50

Port Authority
 connecting people to life

CONTRACT NO. BRT-001	
DWG. NO. ES30	SHT. 474



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	RCE-1 ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	SOIL BOUNDARY
	UrB SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE

[FOR ROADWAY PLAN SEE SHEET 376]

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 Gulf Tower
 707 Grant Street
 5th Floor
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REVISIONS		

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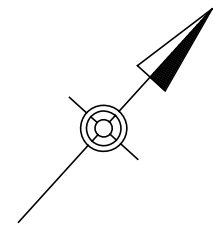
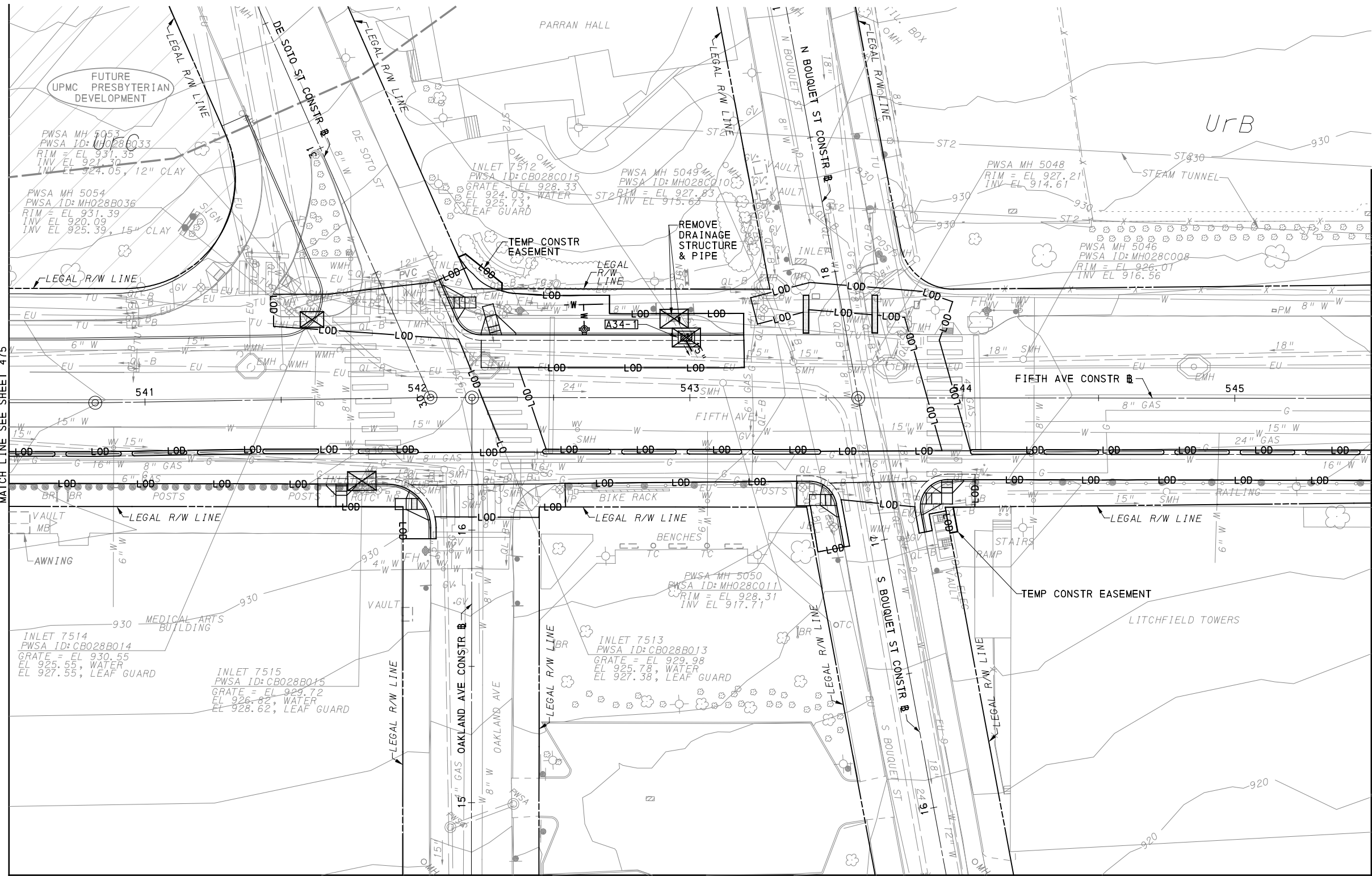
DESIGNED	JMS
DRAWN	JMS
CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

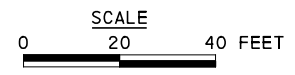
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FIFTH AVE - STA 534+50 TO STA 540+50

Port Authority
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CONTRACT NO. BRT-001
 DWG. NO. ES31 SHT. 475



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	RCE-1 ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	SOIL BOUNDARY
	UrB SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE



[FOR ROADWAY PLAN SEE SHEET 377]

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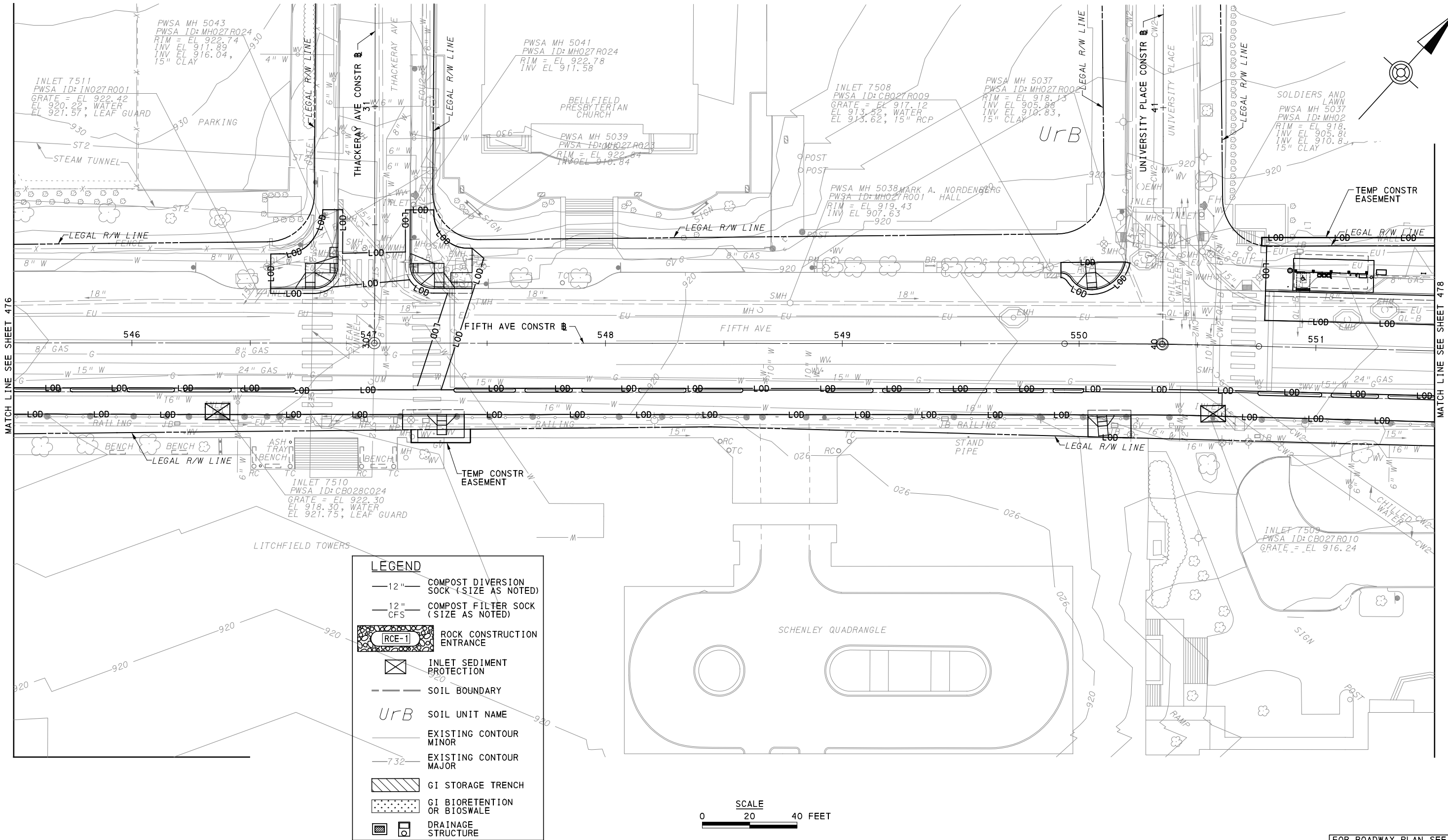
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CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FIFTH AVE - STA 540+50 TO STA 545+50

Port Authority connecting people to life™

CONTRACT NO. BRT-001	
DWG. NO. ES32	SHT. 476



MATCH LINE SEE SHEET 476

MATCH LINE SEE SHEET 478

[FOR ROADWAY PLAN SEE SHEET 378]

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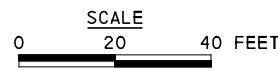
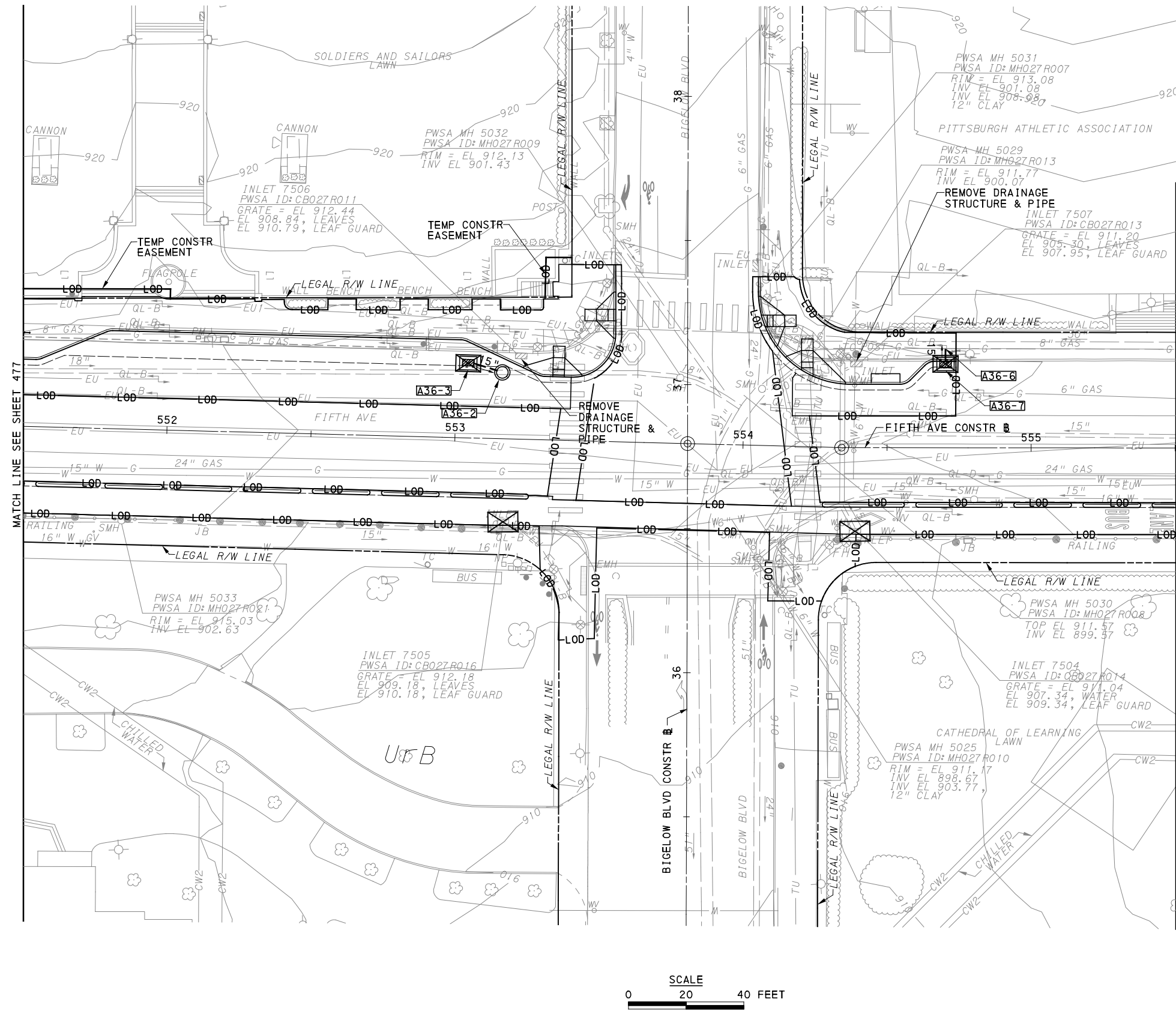
(NOT FOR CONSTRUCTION)

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CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FIFTH AVE - STA 545+50 TO STA 551+50

Port Authority connecting people to life™

CONTRACT NO. BRT-001
DWG. NO. ES33
SHT. 477



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	SOIL BOUNDARY
<i>UrB</i>	SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE

[FOR ROADWAY PLAN SEE SHEET 379]

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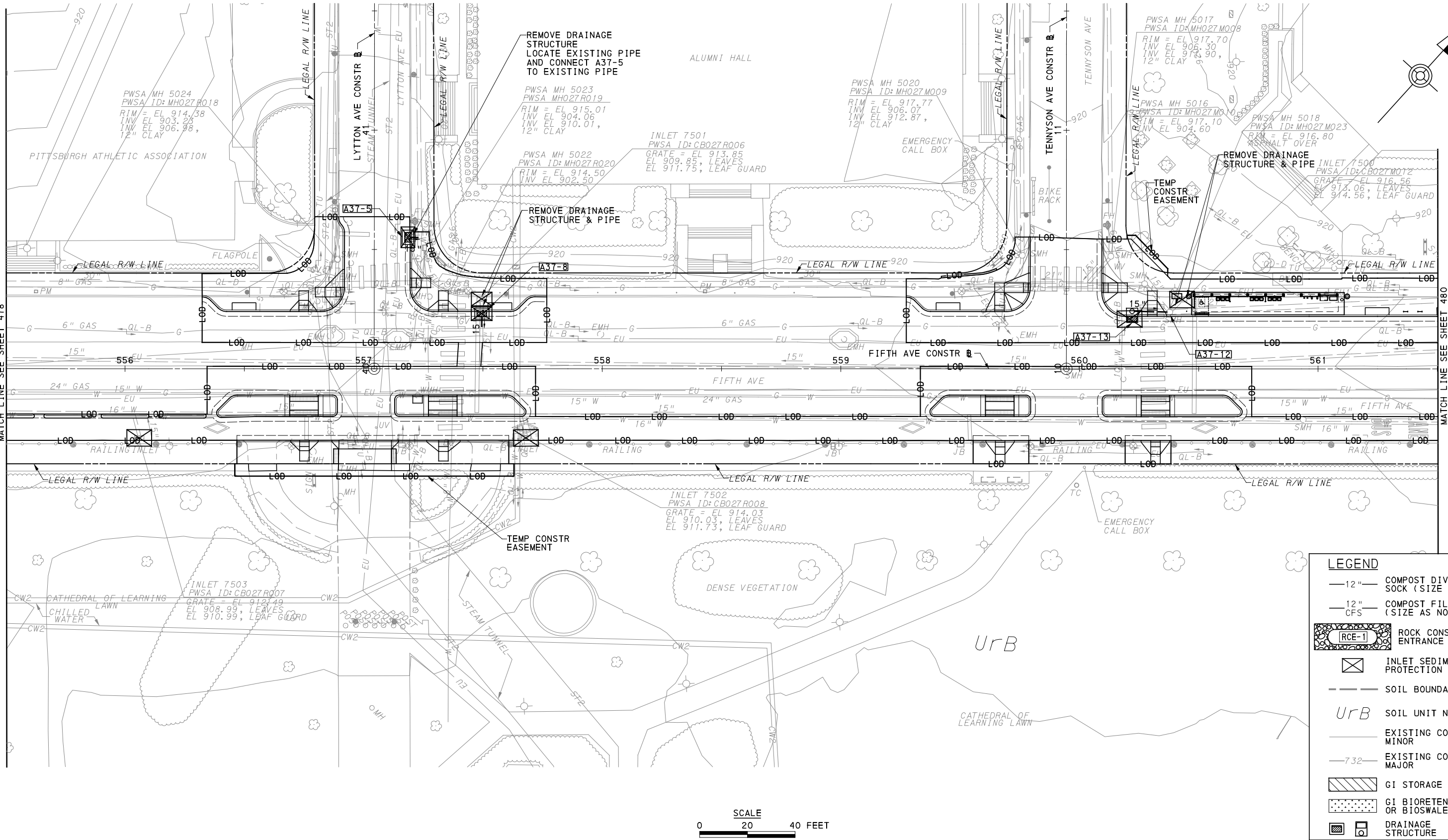
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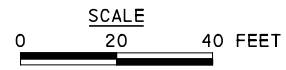
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DRAWN	JMS
CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND EROSION & SEDIMENTATION CONTROL PLANS FIFTH AVE - STA 551+50 TO STA 555+50	
Port Authority connecting people to life™	CONTRACT NO. BRT-001
DWG. NO. ES34	SHT. 478



LEGEND

- 12" — COMPOST DIVERSION SOCK (SIZE AS NOTED)
- 12" CFS — COMPOST FILTER SOCK (SIZE AS NOTED)
- RCE-1] ROCK CONSTRUCTION ENTRANCE
- INLET SEDIMENT PROTECTION
- SOIL BOUNDARY
- UrB SOIL UNIT NAME
- EXISTING CONTOUR MINOR
- 732- EXISTING CONTOUR MAJOR
- GI STORAGE TRENCH
- GI BIORETENTION OR BIOSWALE
- DRAINAGE STRUCTURE



[FOR ROADWAY PLAN SEE SHEET 380]



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NO.	DATE	DESCRIPTION
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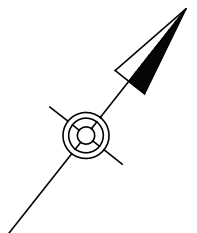
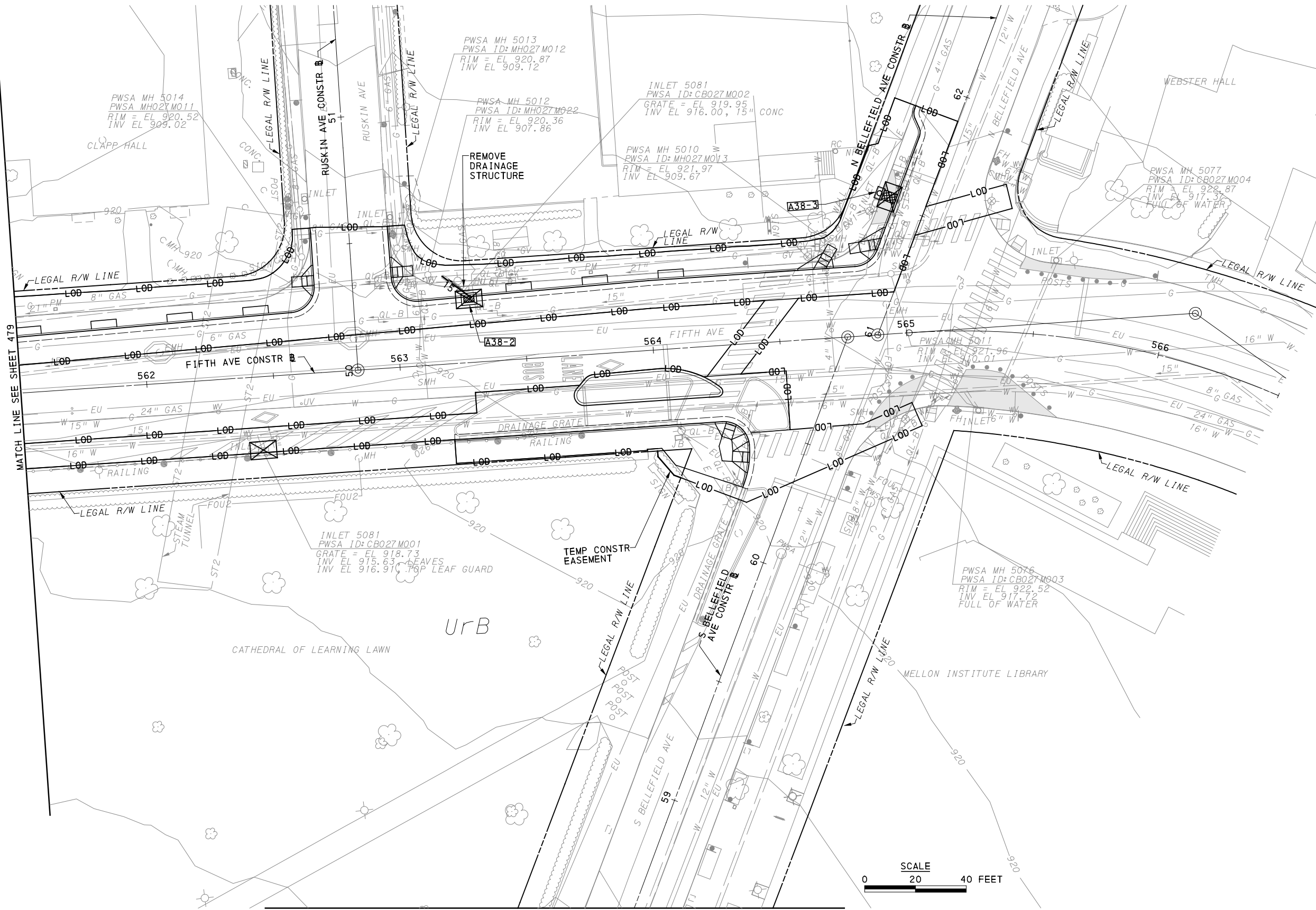
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(NOT FOR CONSTRUCTION)

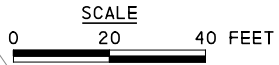
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DRAWN	JMS
CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FIFTH AVE - STA 555+50 TO STA 561+50

Port Authority connecting people to life™	CONTRACT NO. BRT-001	
	DWG. NO. ES35	SHT. 479



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	SOIL BOUNDARY
<i>UrB</i>	SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE



[FOR ROADWAY PLAN SEE SHEET 381]

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DRAWN	JMS
CHECKED	DJC
IN CHARGE	LAR
DATE	05/01/24
SCALE	AS SHOWN

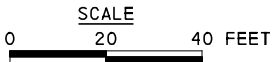
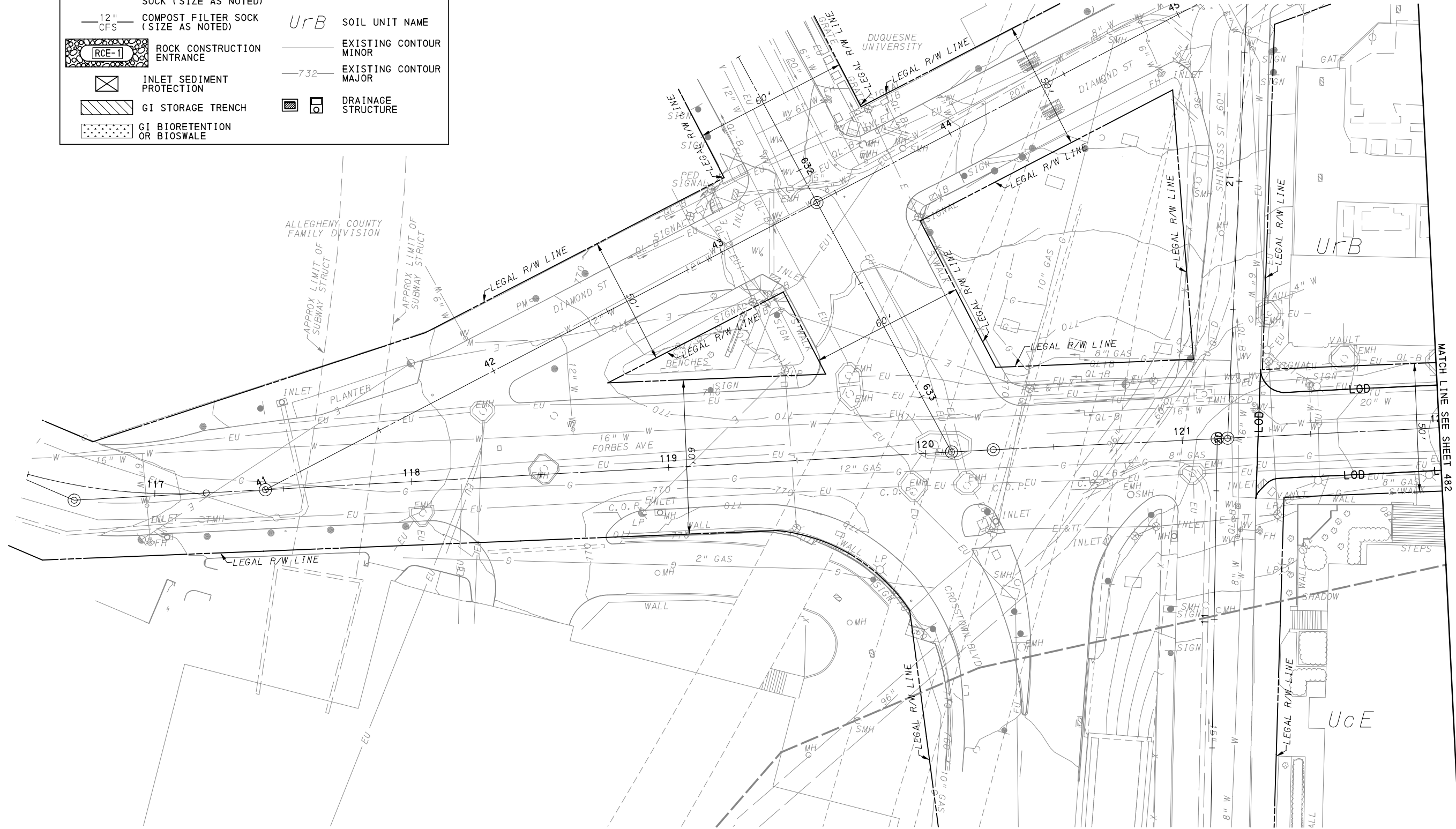
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FIFTH AVE - STA 561+50 TO STA 566+50

Port Authority
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CONTRACT NO. BRT-001	
DWG. NO. ES36	SHT. 480

LEGEND			
— 12" —	COMPOST DIVERSION SOCK (SIZE AS NOTED)	---	SOIL BOUNDARY
— 12" CFS —	COMPOST FILTER SOCK (SIZE AS NOTED)	UrB	SOIL UNIT NAME
	ROCK CONSTRUCTION ENTRANCE	---	EXISTING CONTOUR MINOR
	INLET SEDIMENT PROTECTION	— 732 —	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH		DRAINAGE STRUCTURE
	GI BIORETENTION OR BIOSWALE		



[FOR ROADWAY PLAN SEE SHEET 482]



Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219



GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

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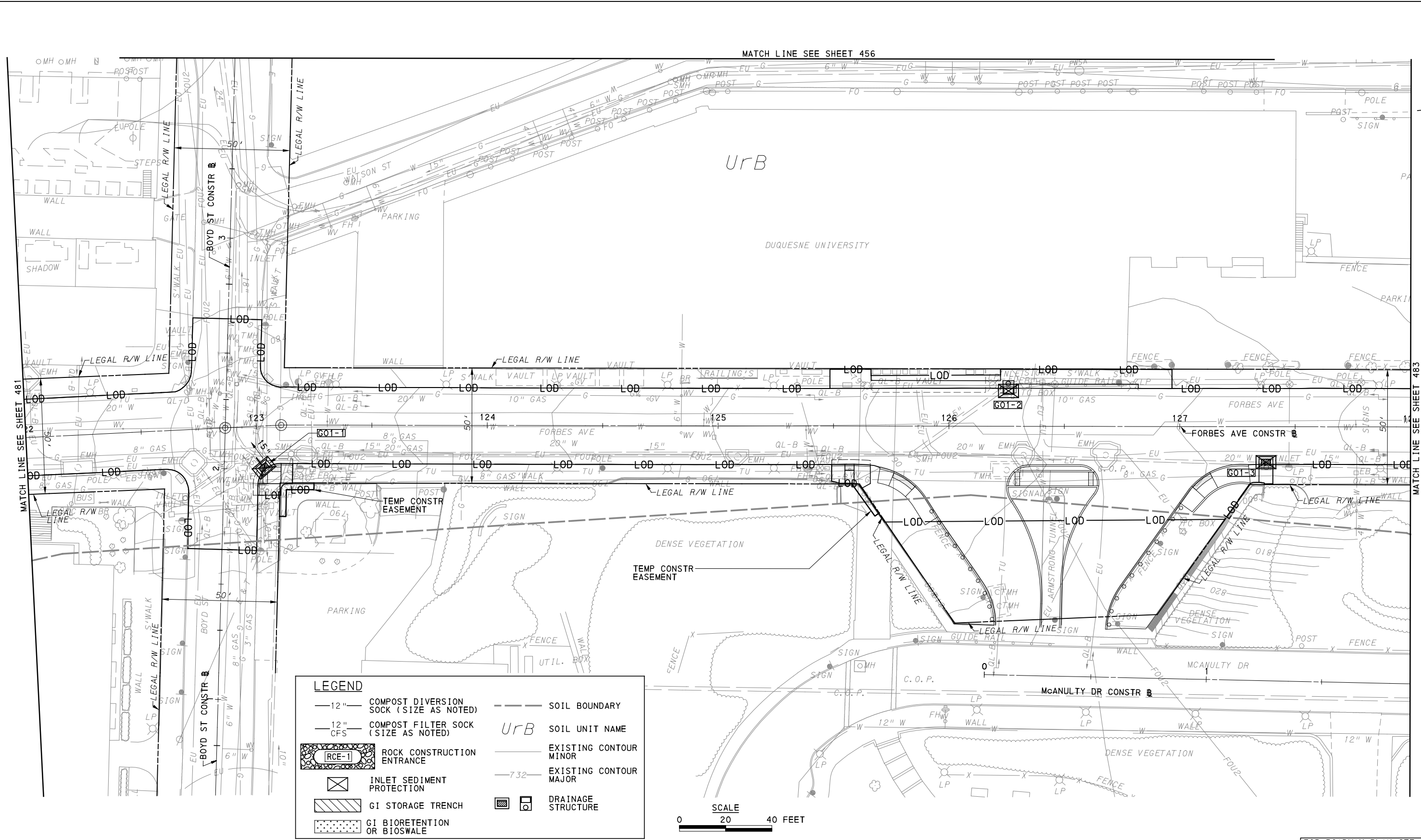
DESIGNED	KMH
DRAWN	KMH
CHECKED	MRK
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

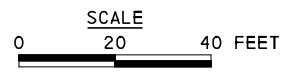
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FORBES AVE - STA 117+00 TO STA 122+00



CONTRACT NO. BRT-001	
DWG. NO. ES37	SHT. 481



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	RCE-1 ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	SOIL BOUNDARY
<i>UrB</i>	SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	EXISTING CONTOUR MAJOR
	732 DRAINAGE STRUCTURE



(FOR ROADWAY PLAN SEE SHEET 383)

AECOM
 Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

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 GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

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(NOT FOR CONSTRUCTION)

DESIGNED	KMH
DRAWN	KMH
CHECKED	MRK
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

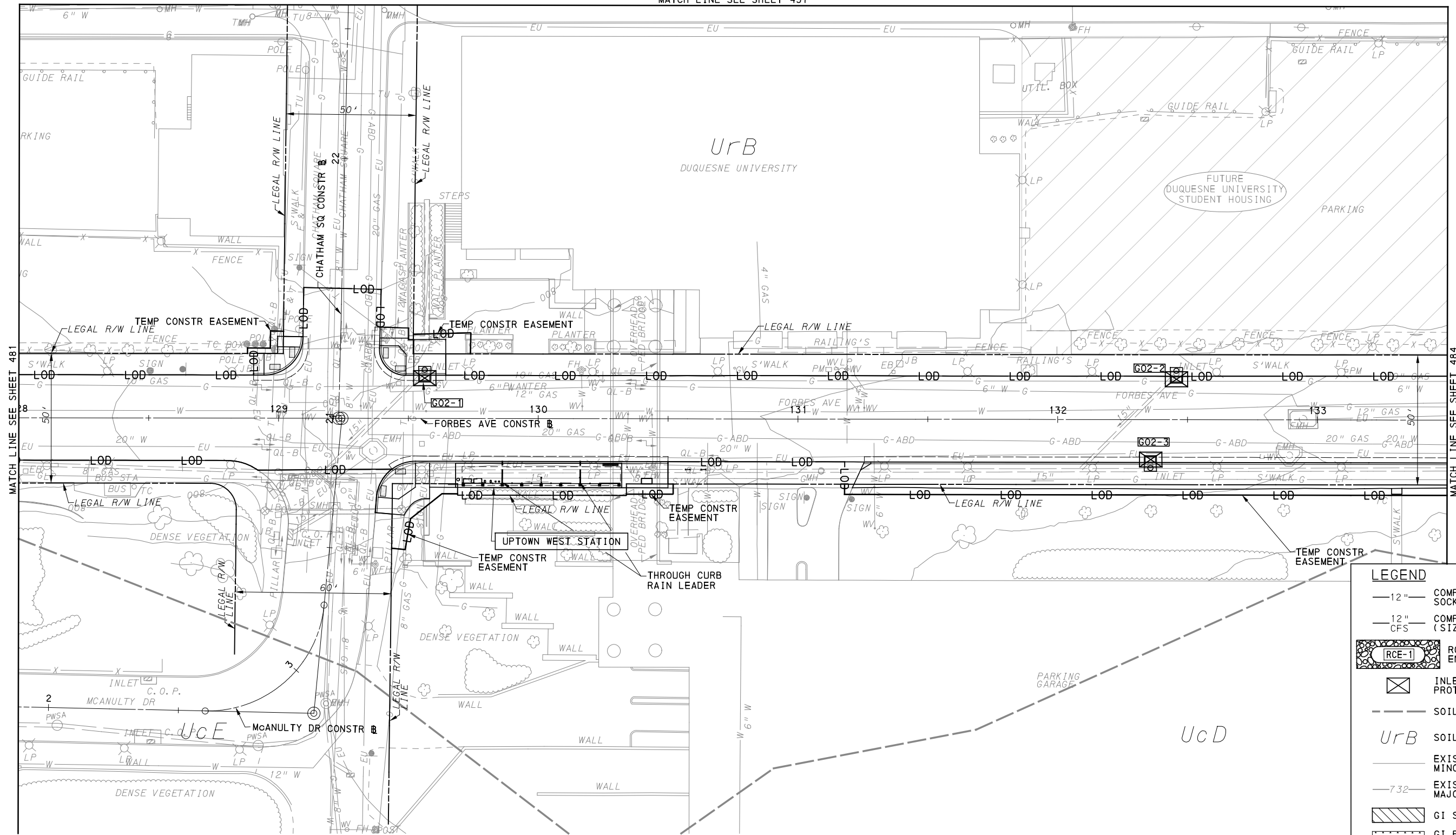
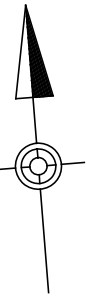
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FORBES AVE - STA 128+00 TO STA 133+50

Port Authority
 connecting people to life™

CONTRACT NO. BRT-001	
DWG. NO. ES38	SHT. 482

MATCH LINE SEE SHEET 457



LEGEND	
— 12" —	COMPOST DIVERSION SOCK (SIZE AS NOTED)
— 12" CFS —	COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
---	SOIL BOUNDARY
UrB	SOIL UNIT NAME
---	EXISTING CONTOUR MINOR
-732-	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE

[FOR ROADWAY PLAN SEE SHEET 384]

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 Pittsburgh, PA 15219

GANNETT FLEMING
 GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

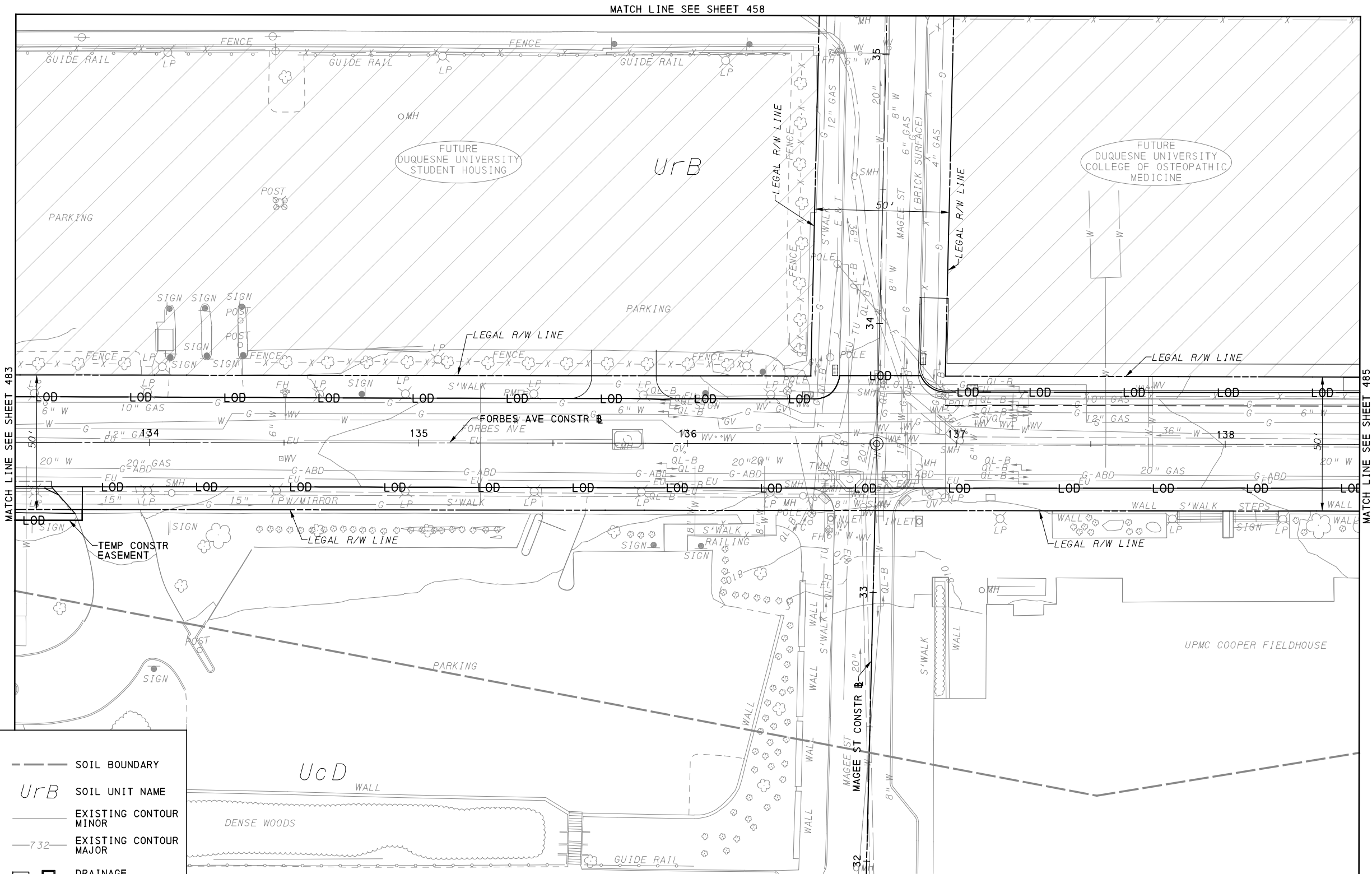
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IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 128+00 TO STA 133+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ES39 SHT. 483



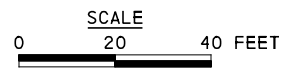
MATCH LINE SEE SHEET 458

MATCH LINE SEE SHEET 483

MATCH LINE SEE SHEET 485

LEGEND

- 12" — COMPOST DIVERSION SOCK (SIZE AS NOTED)
- 12" — COMPOST FILTER SOCK (SIZE AS NOTED)
- [RCE-1] ROCK CONSTRUCTION ENTRANCE
- ⊗ INLET SEDIMENT PROTECTION
- [Hatched Box] GI STORAGE TRENCH
- [Dotted Box] GI BIORETENTION OR BIOSWALE
- - - SOIL BOUNDARY
- UrB SOIL UNIT NAME
- — — EXISTING CONTOUR MINOR
- - -732- EXISTING CONTOUR MAJOR
- [Square with X] DRAINAGE STRUCTURE



AECOM
 Gulf Tower
 707 Grant Street
 5th Floor
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DESIGNED	KMH
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DATE	05/01/24
SCALE	AS SHOWN

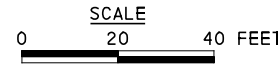
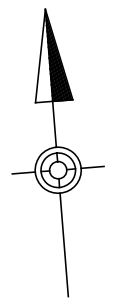
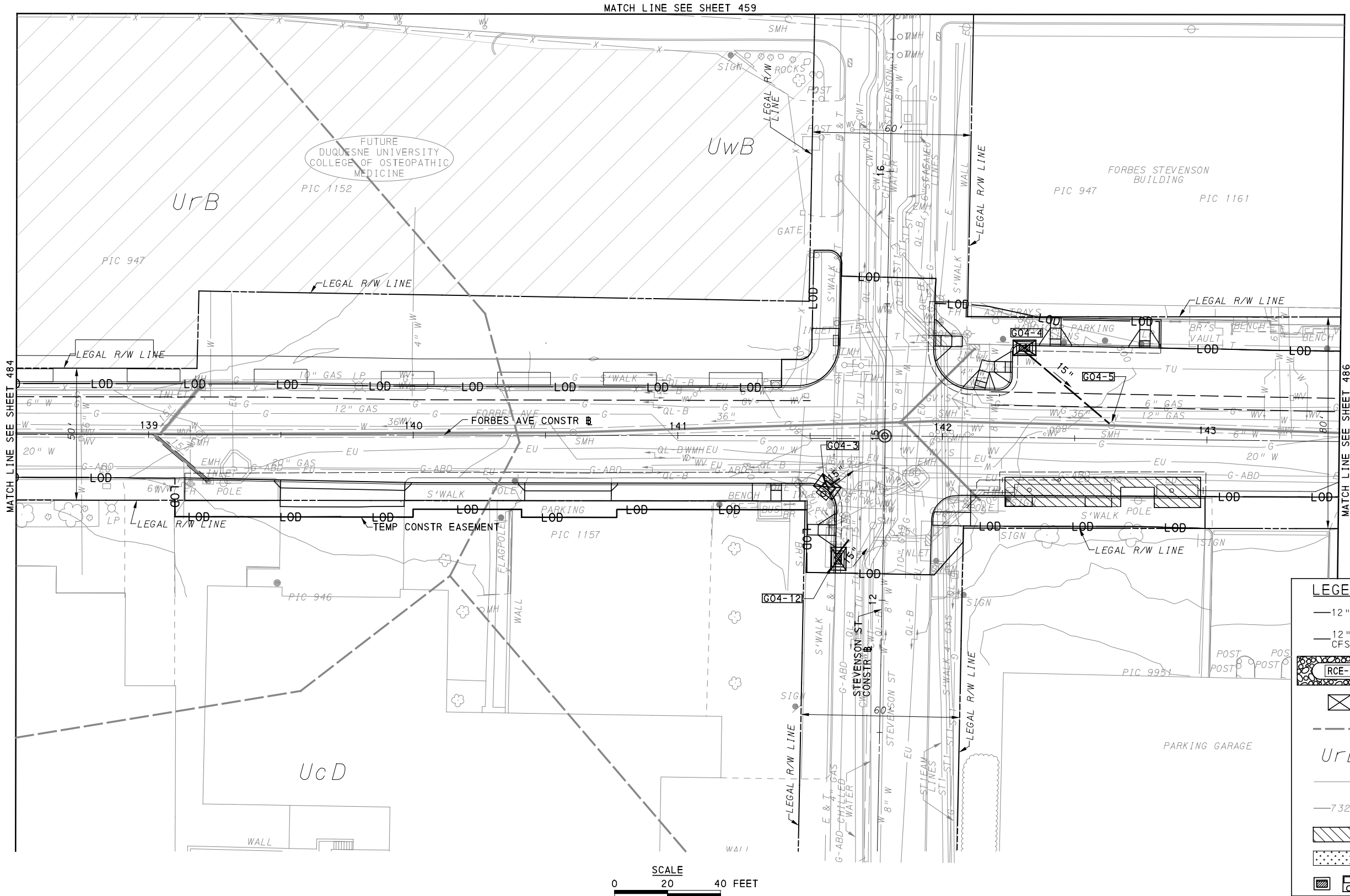
(FOR ROADWAY PLAN SEE SHEET 385)

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FORBES AVE - STA 133+50 TO STA 138+50

Port Authority connecting people to life™

CONTRACT NO. BRT-001
 DWG. NO. ES40 SHT. 484



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	SOIL BOUNDARY
<i>UrB</i>	SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE

[FOR ROADWAY PLAN SEE SHEET 386]

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CHECKED	MRK
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

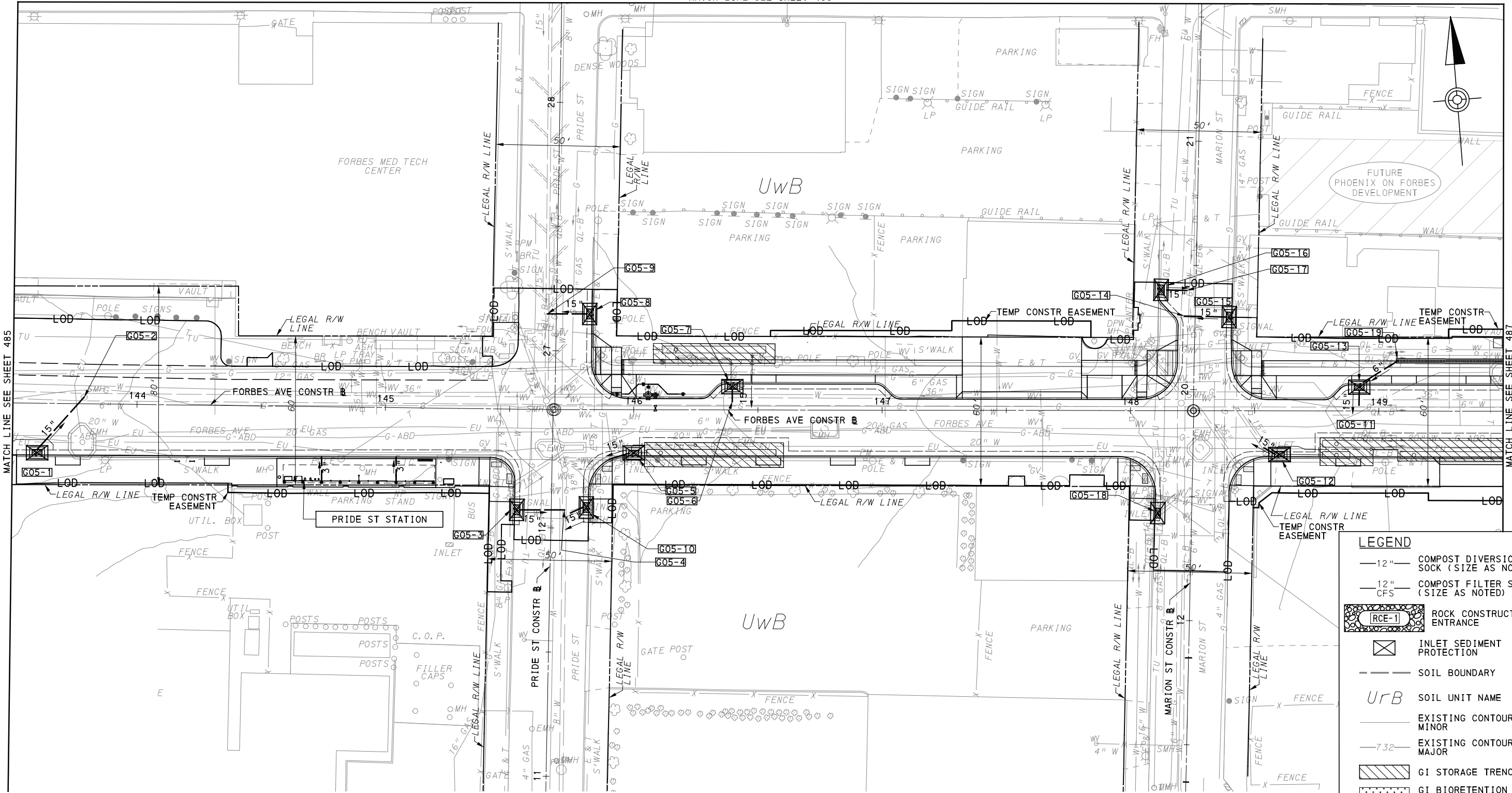
PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FORBES AVE - STA 138+50 TO STA 143+50

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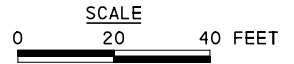
CONTRACT NO. BRT-001
 DWG. NO. ES41 SHT. 485

MATCH LINE SEE SHEET 460



LEGEND

- 12" — COMPOST DIVERSION SOCK (SIZE AS NOTED)
- 12" CFS — COMPOST FILTER SOCK (SIZE AS NOTED)
- RCE-1 ROCK CONSTRUCTION ENTRANCE
- INLET SEDIMENT PROTECTION
- SOIL BOUNDARY
- UrB SOIL UNIT NAME
- 732--- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR
- GI STORAGE TRENCH
- GI BIORETENTION OR BIOSWALE
- DRAINAGE STRUCTURE



[FOR ROADWAY PLAN SEE SHEET 387]

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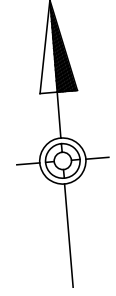
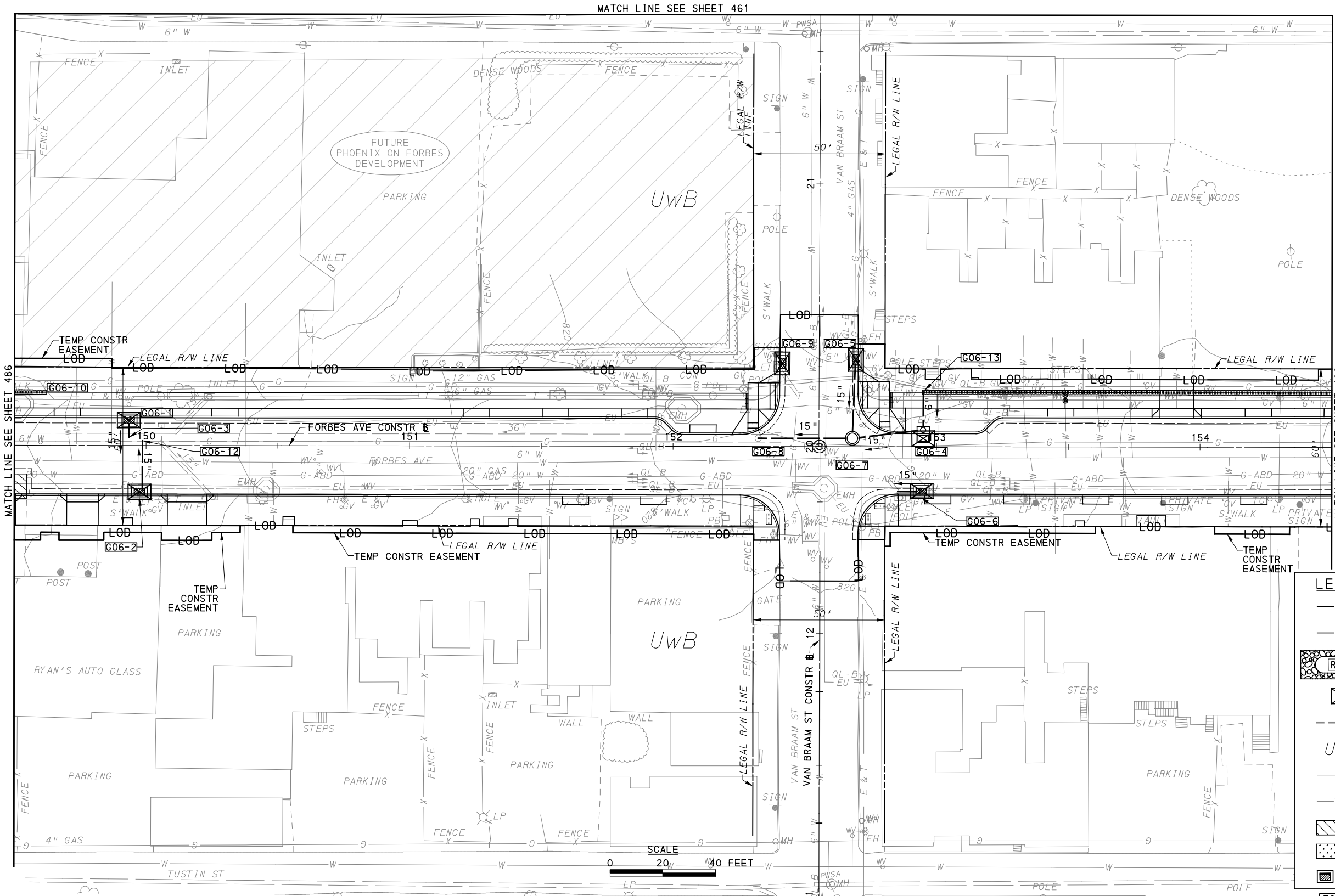
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

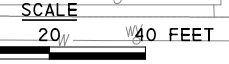
BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FORBES AVE - STA 143+50 TO STA 149+50

Port Authority connecting people to life™

CONTRACT NO. BRT-001
 DWG. NO. ES42 SHT. 486



LEGEND	
— 12" —	COMPOST DIVERSION SOCK (SIZE AS NOTED)
— 12" CFS —	COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
---	SOIL BOUNDARY
UrB	SOIL UNIT NAME
---	EXISTING CONTOUR MINOR
-732-	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE



[FOR ROADWAY PLAN SEE SHEET 388]

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 Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

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 GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

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(NOT FOR CONSTRUCTION)

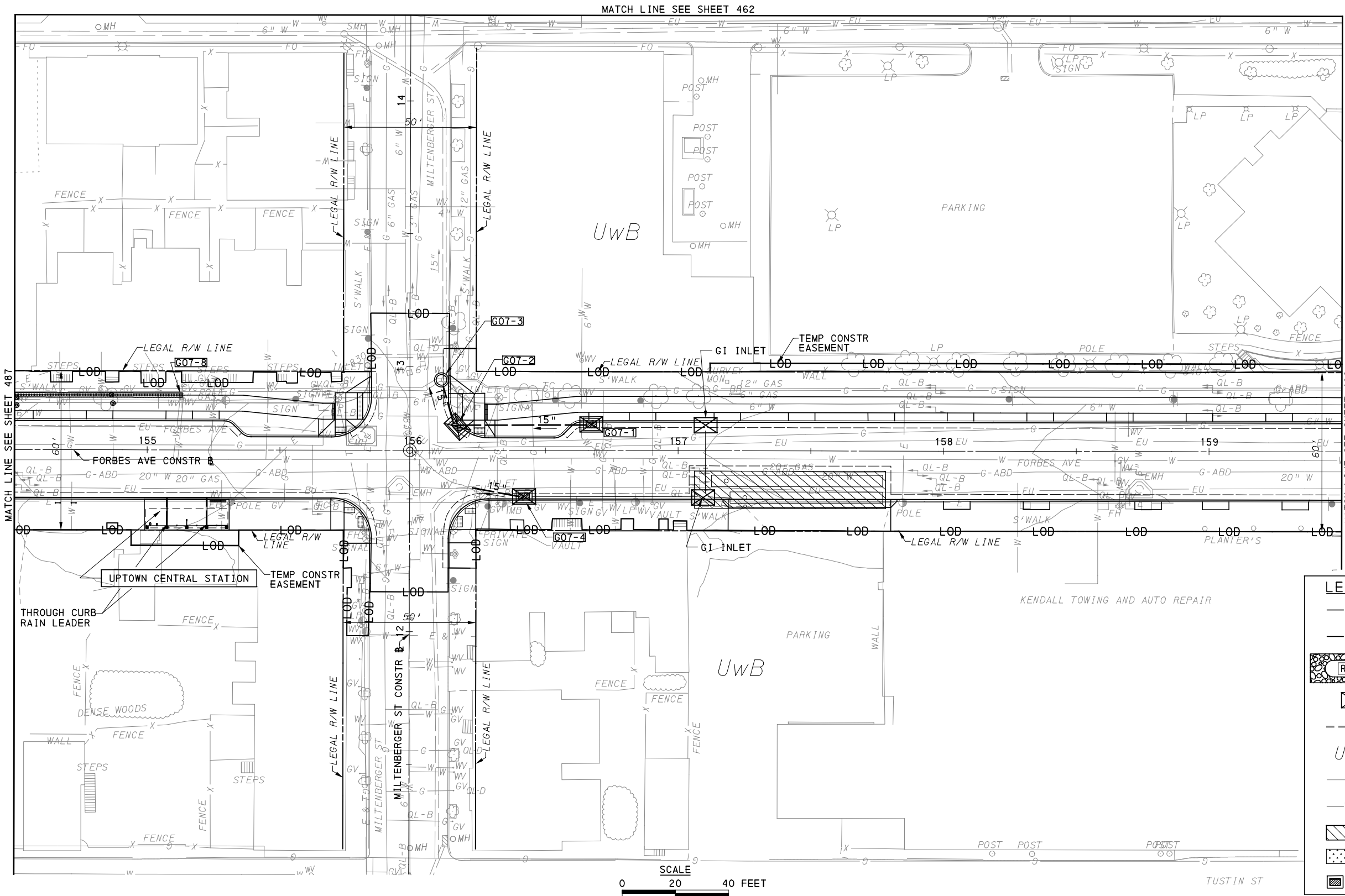
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DRAWN	KMH
CHECKED	MRK
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FORBES AVE - STA 149+50 TO STA 154+50

Port Authority connecting people to life™

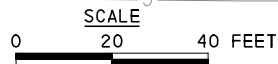
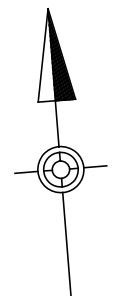
CONTRACT NO. BRT-001
 DWG. NO. ES43 SHT. 487



MATCH LINE SEE SHEET 462

MATCH LINE SEE SHEET 487

MATCH LINE SEE SHEET 489



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	RCE-1 ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	SOIL BOUNDARY
	UrB SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	-732- EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE

[FOR ROADWAY PLAN SEE SHEET 389]

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 Foster Plaza 8
 Suite 400
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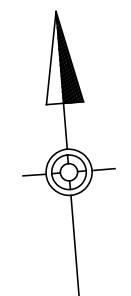
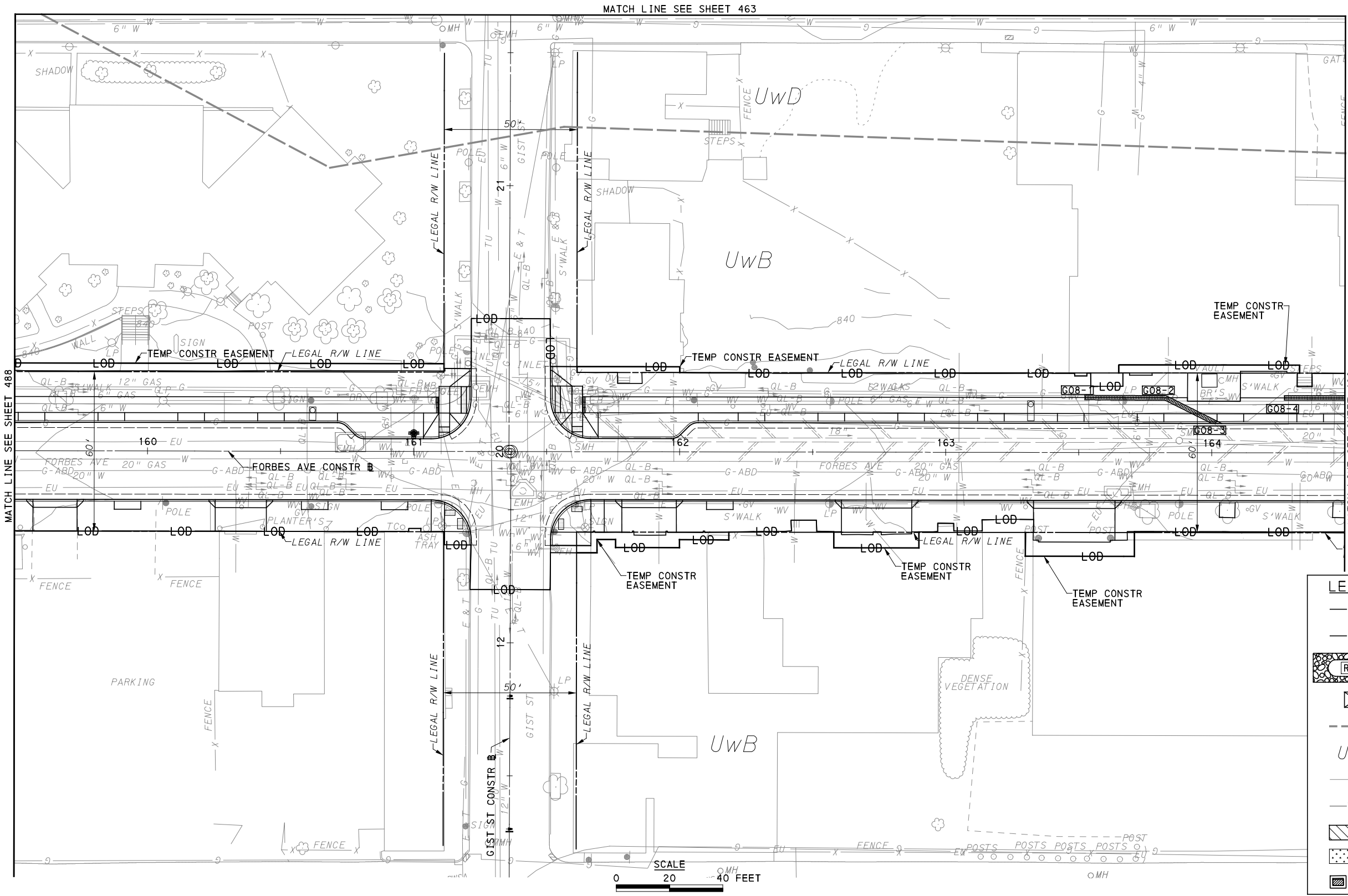
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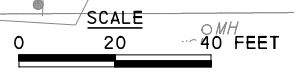
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IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 154+50 TO STA 159+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ES44 SHT. 488



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	RCE-1 ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	SOIL BOUNDARY
	UrB SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	-732- EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE



[FOR ROADWAY PLAN SEE SHEET 390]

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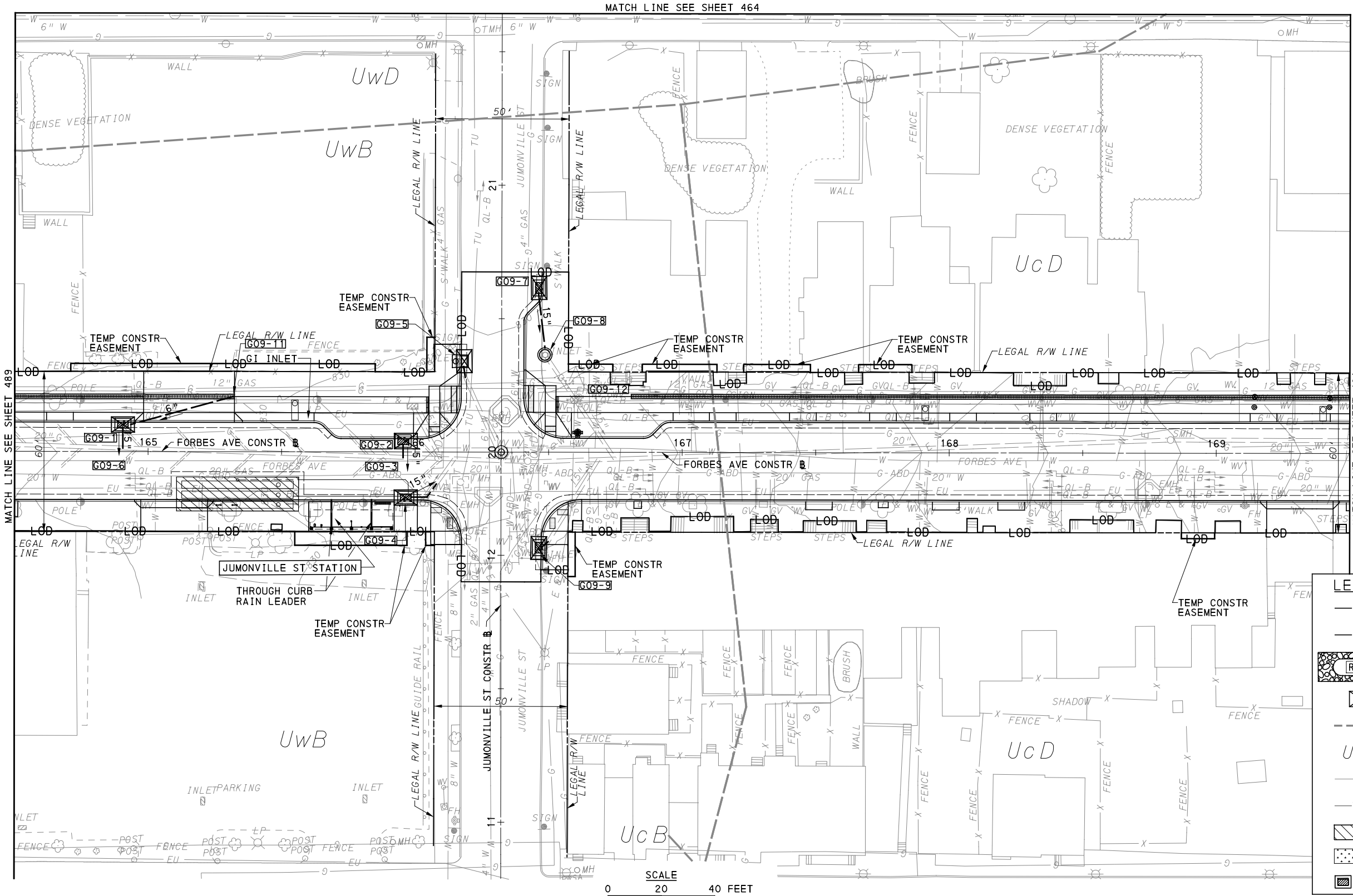
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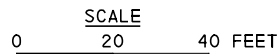
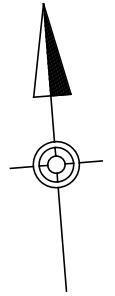
PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 159+50 TO STA 164+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ES45 SHT. 489



MATCH LINE SEE SHEET 464

MATCH LINE SEE SHEET 489

MATCH LINE SEE SHEET 491



LEGEND	
— 12" —	COMPOST DIVERSION SOCK (SIZE AS NOTED)
— 12" CFS —	COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
---	SOIL BOUNDARY
UrB	SOIL UNIT NAME
---	EXISTING CONTOUR MINOR
-732-	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE

[FOR ROADWAY PLAN SEE SHEET 391]

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 Suite 400
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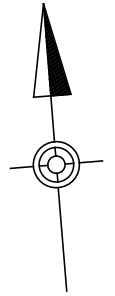
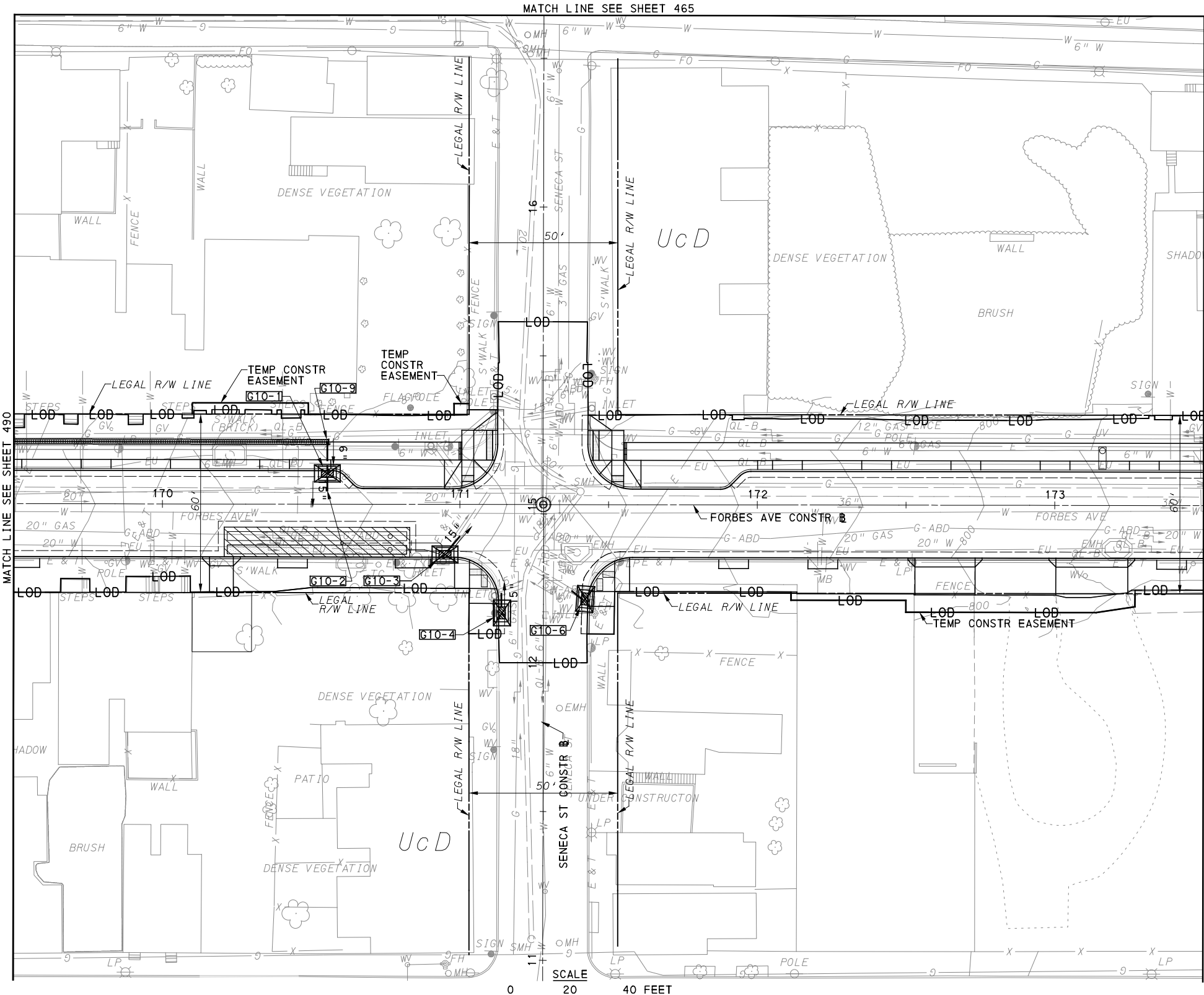
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SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 164+50 TO STA 169+50	
Port Authority <small>connecting people to life™</small>	CONTRACT NO. BRT-001
	DWG. NO. ES46 SHT. 490



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	SOIL BOUNDARY
<i>UrB</i>	SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE



[FOR ROADWAY PLAN SEE SHEET 392]

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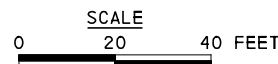
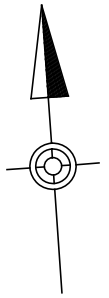
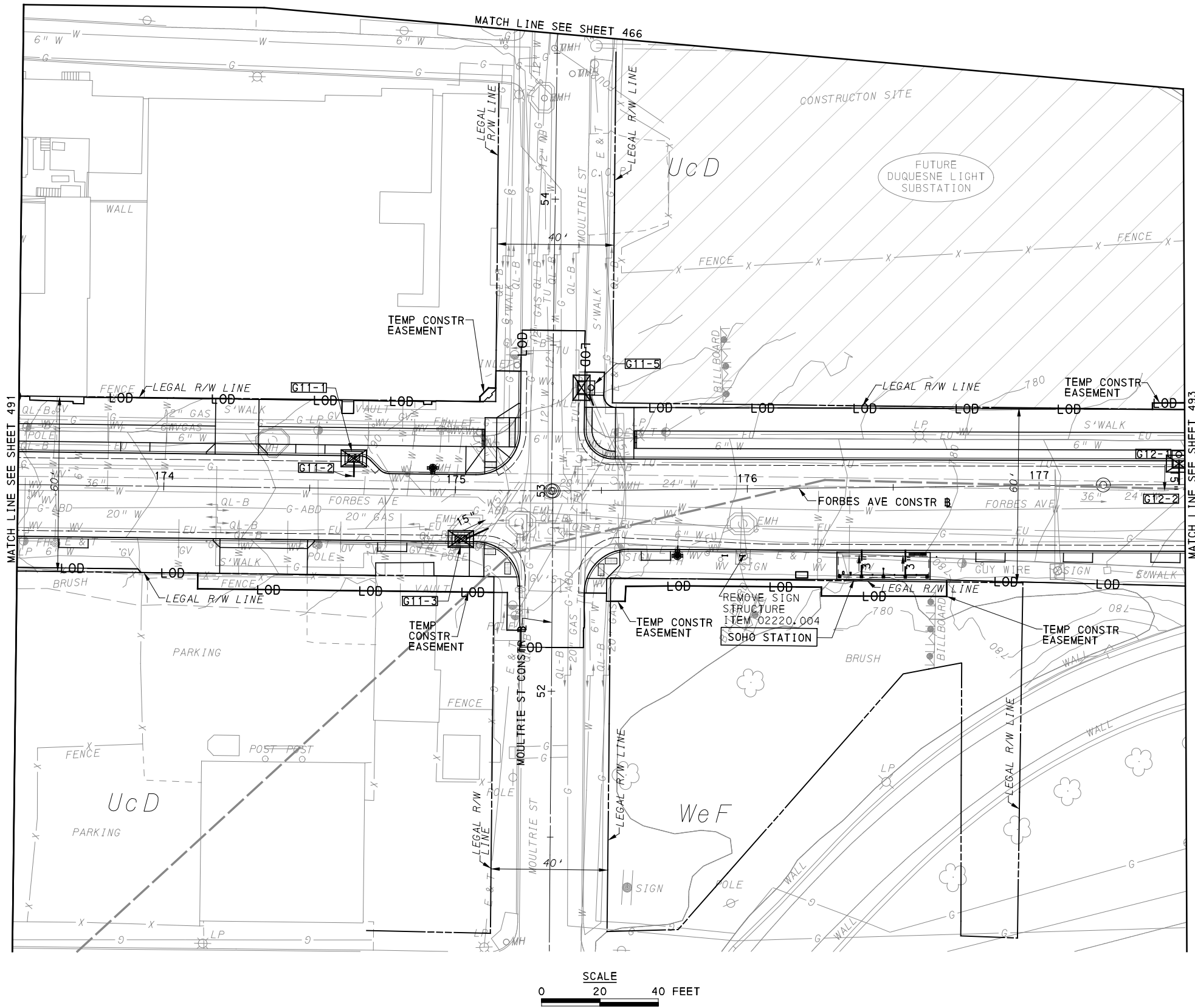
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IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FORBES AVE - STA 169+50 TO STA 173+50

Port Authority connecting people to life™

CONTRACT NO. BRT-001	
DWG. NO. ES47	SHT. 491



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	SOIL BOUNDARY
<i>UrB</i>	SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE

[FOR ROADWAY PLAN SEE SHEET 393]

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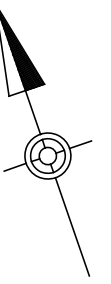
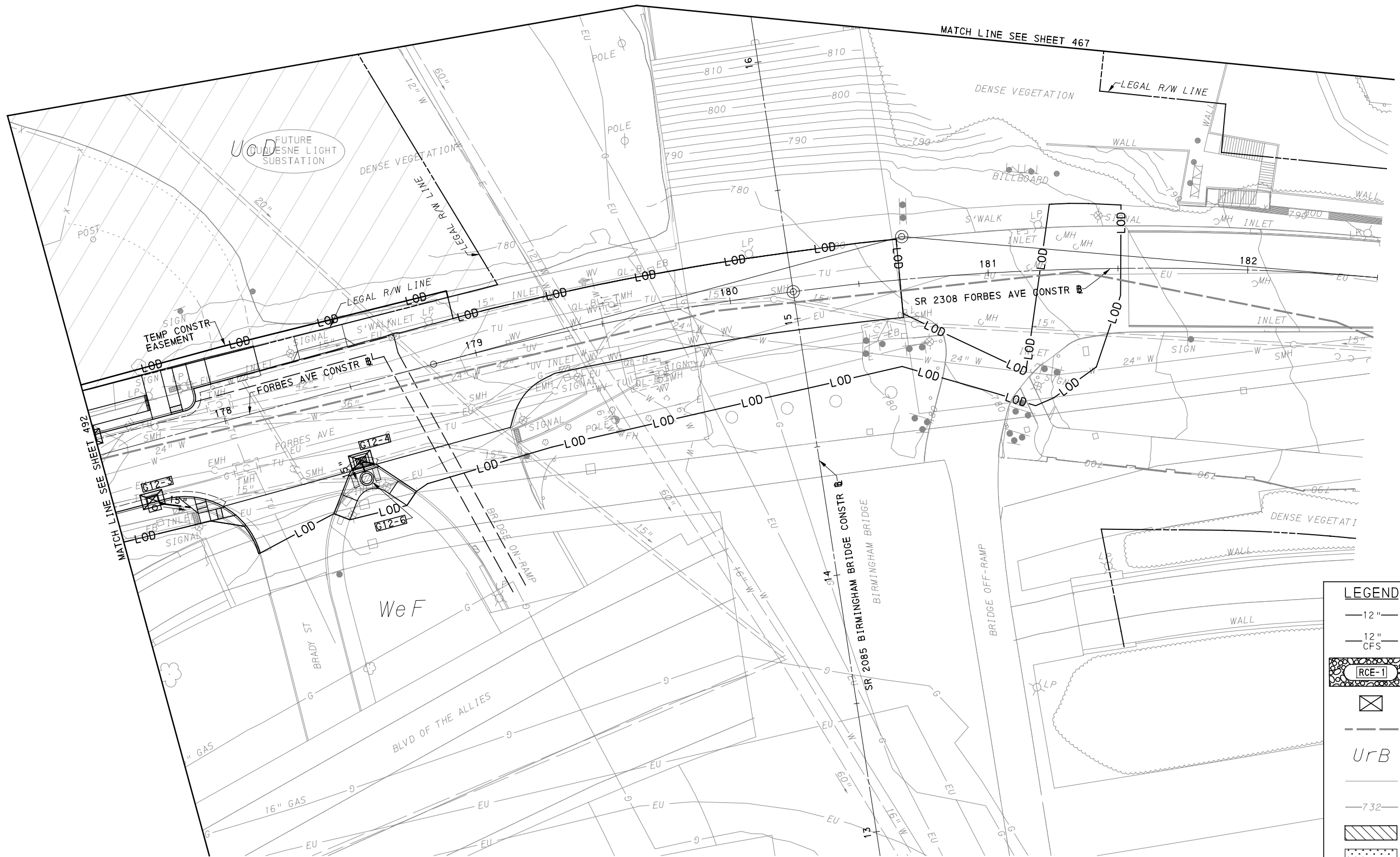
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PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

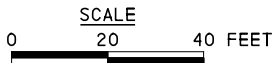
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 EROSION & SEDIMENTATION CONTROL PLANS
 FORBES AVE - STA 173+50 TO STA 177+50

Port Authority connecting people to life®

CONTRACT NO. BRT-001
 DWG. NO. ES48 SHT. 492



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	RCE-1 ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	SOIL BOUNDARY
	UrB SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	732 EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE



[FOR ROADWAY PLAN SEE SHEET 394]



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707 Grant Street
5th Floor
Pittsburgh, PA 15219



GANNETT FLEMING, INC.
Foster Plaza 8
Suite 400
730 Holiday Drive
Pittsburgh, PA. 15220

NO.	DATE	DESCRIPTION
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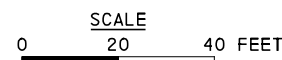
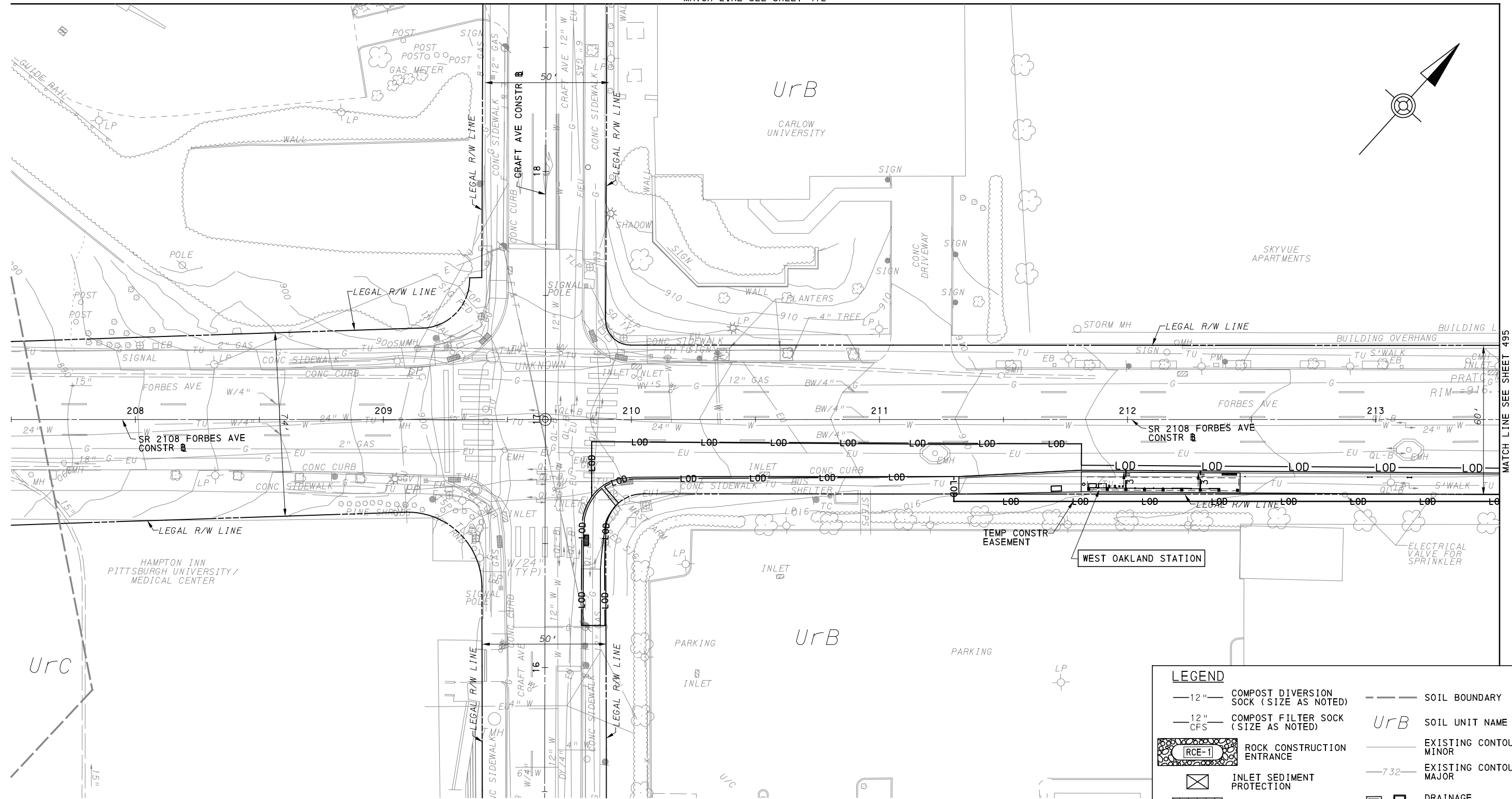
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY PITTSBURGH PENNSYLVANIA	
BUS RAPID TRANSIT UPTOWN TO OAKLAND EROSION & SEDIMENTATION CONTROL PLANS FORBES AVE - STA 177+50 TO STA 182+50	
Port Authority <small>connecting people to life</small>	CONTRACT NO. BRT-001
	DWG. NO. ES49 SHT. 493

MATCH LINE SEE SHEET 472



LEGEND	
— 12" — COMPOST DIVERSION SOCK (SIZE AS NOTED)	--- SOIL BOUNDARY
— 12" CFS COMPOST FILTER SOCK (SIZE AS NOTED)	UrB SOIL UNIT NAME
(RCE-1) ROCK CONSTRUCTION ENTRANCE	--- EXISTING CONTOUR MINOR
INLET SEDIMENT PROTECTION	--- 732 EXISTING CONTOUR MAJOR
GI STORAGE TRENCH	DRAINAGE STRUCTURE
GI BIORETENTION OR BIOSWALE	

[FOR ROADWAY PLAN SEE SHEET 395]



Gulf Tower
707 Grant Street
5th Floor
Pittsburgh, PA 15219



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730 Holiday Drive
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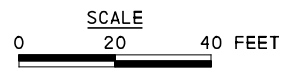
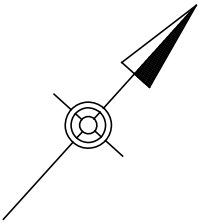
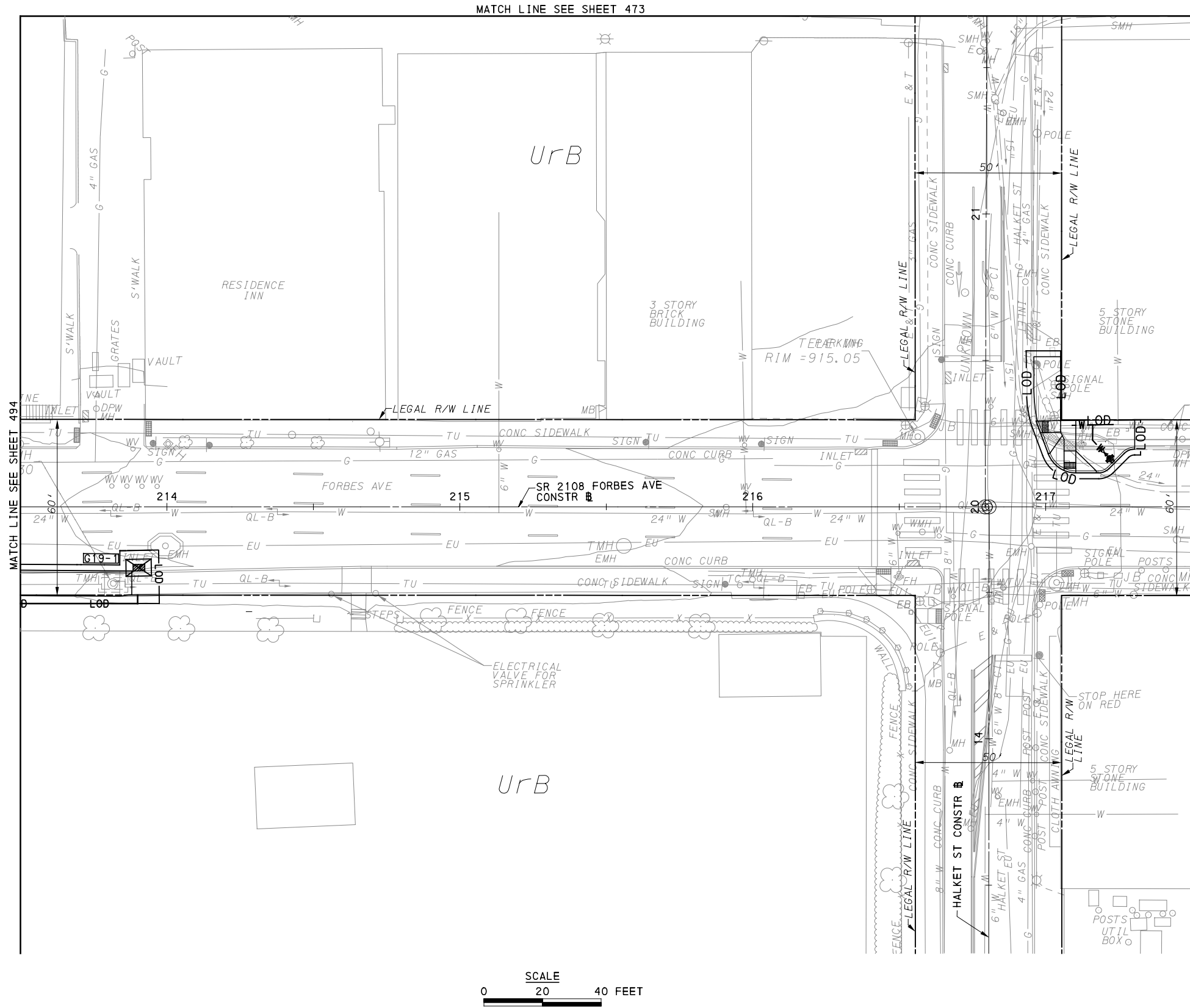
BUS RAPID TRANSIT UPTOWN TO OAKLAND
EROSION & SEDIMENTATION CONTROL PLANS
FORBES AVE - STA 207+50 TO STA 213+50



CONTRACT NO. BRT-001

DWG. NO. ES50

SHT. 494



LEGEND	
— 12" —	COMPOST DIVERSION SOCK (SIZE AS NOTED)
— 12" CFS —	COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
---	SOIL BOUNDARY
UrB	SOIL UNIT NAME
---	EXISTING CONTOUR MINOR
-732-	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE

[FOR ROADWAY PLAN SEE SHEET 396]

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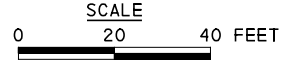
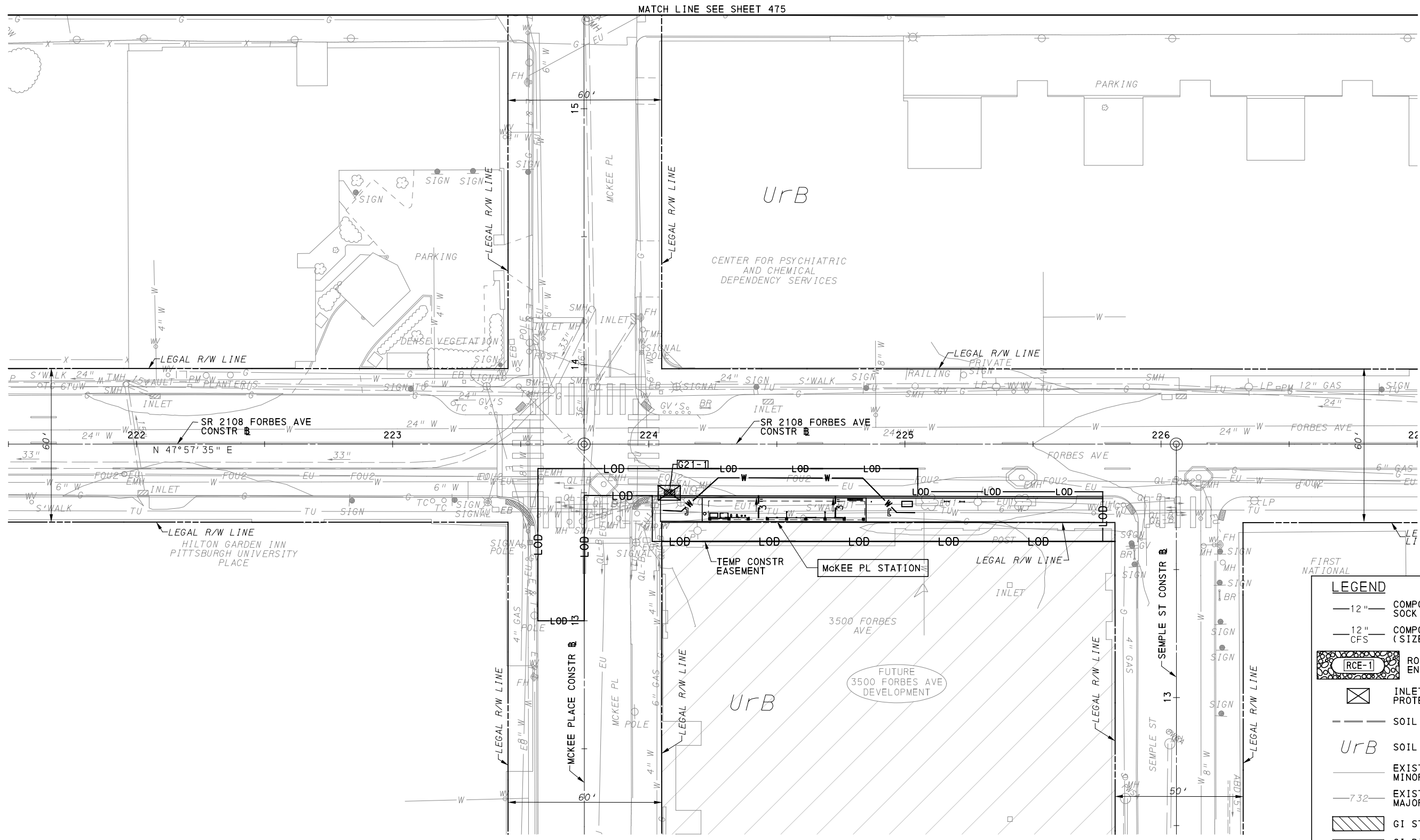
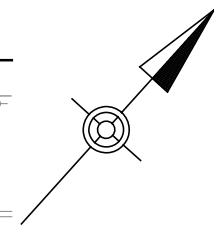
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CHECKED	MRK
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DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FORBES AVE - STA 213+50 TO STA 217+50

Port Authority connecting people to life™

CONTRACT NO. BRT-001	
DWG. NO. ES51	SHT. 495



LEGEND	
	12" COMPOST DIVERSION SOCK (SIZE AS NOTED)
	12" COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	SOIL BOUNDARY
	UrB SOIL UNIT NAME
	EXISTING CONTOUR MINOR
	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE

[FOR ROADWAY PLAN SEE SHEET 397]

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 5th Floor
 Pittsburgh, PA 15219

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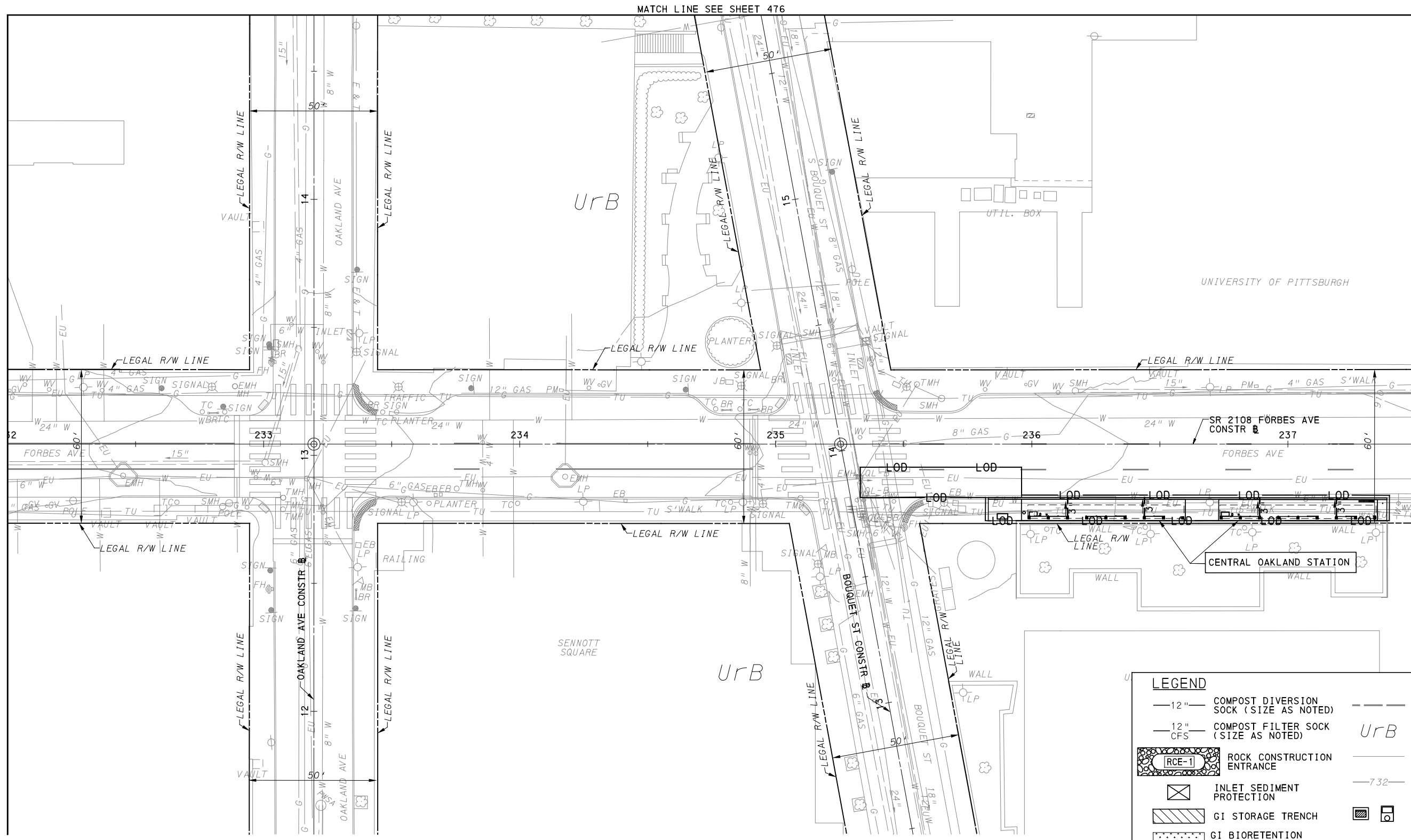
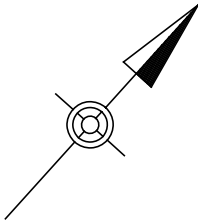
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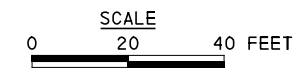
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 EROSION & SEDIMENTATION CONTROL PLANS
 FORBES AVE - STA 221+50 TO STA 227+00

Port Authority connecting people to life™

CONTRACT NO. BRT-001
 DWG. NO. ES52 SHT. 496



MATCH LINE SEE SHEET 476



LEGEND	
— 12" —	COMPOST DIVERSION SOCK (SIZE AS NOTED)
— 12" CFS —	COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
---	SOIL BOUNDARY
UrB	SOIL UNIT NAME
---	EXISTING CONTOUR MINOR
-732-	EXISTING CONTOUR MAJOR
	DRAINAGE STRUCTURE

[FOR ROADWAY PLAN SEE SHEET 399]

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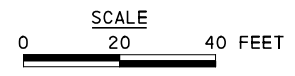
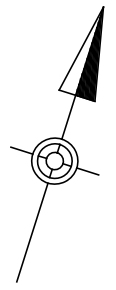
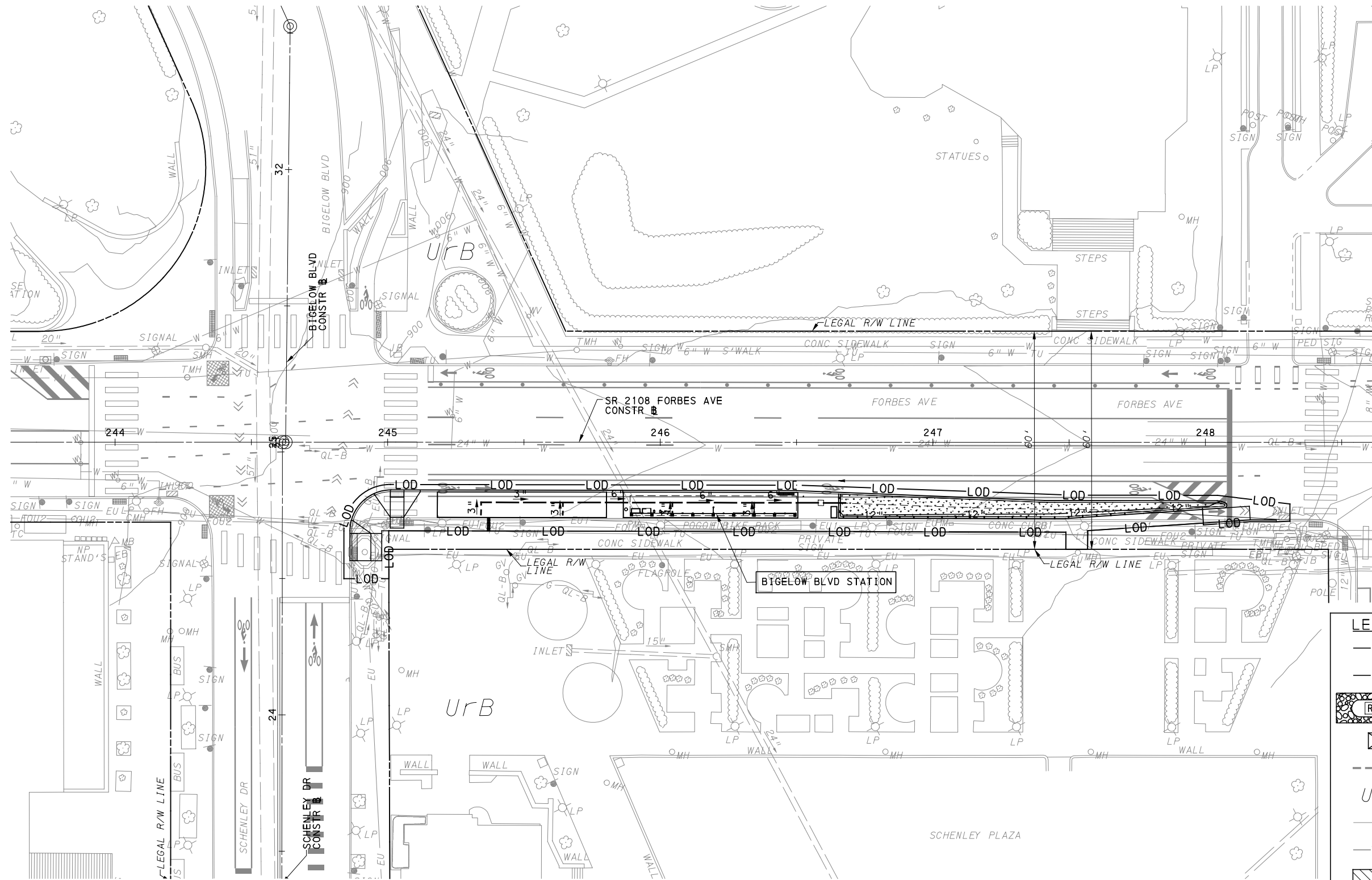
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PORT AUTHORITY OF ALLEGHENY COUNTY
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BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FORBES AVE - STA 232+00 TO STA 237+50

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CONTRACT NO. BRT-001	
DWG. NO. ES53	SHT. 497



LEGEND	
—12" —	COMPOST DIVERSION SOCK (SIZE AS NOTED)
—12" CFS	COMPOST FILTER SOCK (SIZE AS NOTED)
	ROCK CONSTRUCTION ENTRANCE
	INLET SEDIMENT PROTECTION
---	SOIL BOUNDARY
UrB	SOIL UNIT NAME
---	EXISTING CONTOUR MINOR
-7.32-	EXISTING CONTOUR MAJOR
	GI STORAGE TRENCH
	GI BIORETENTION OR BIOSWALE
	DRAINAGE STRUCTURE

[FOR ROADWAY PLAN SEE SHEET 401]

AECOM
 Gulf Tower
 707 Grant Street
 5th Floor
 Pittsburgh, PA 15219

GANNETT FLEMING
 GANNETT FLEMING, INC.
 Foster Plaza 8
 Suite 400
 730 Holiday Drive
 Pittsburgh, PA. 15220

NO.	DATE	DESCRIPTION
REVISIONS		

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(NOT FOR CONSTRUCTION)

DESIGNED	KMH
DRAWN	KMH
CHECKED	MRK
IN CHARGE	GEC
DATE	05/01/24
SCALE	AS SHOWN

PORT AUTHORITY OF ALLEGHENY COUNTY
 PITTSBURGH PENNSYLVANIA

BUS RAPID TRANSIT UPTOWN TO OAKLAND
 EROSION & SEDIMENTATION CONTROL PLANS
 FORBES AVE - STA 242+50 TO STA 247+50

Port Authority
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DWG. NO. ES54	SHT. 498