METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST CONSTRUCTION

VOLUME 2
CIVIL

PLAN PACKAGE INDEX / DESCRIPTION

THE PROPOSED SOUTHWEST LRT PROJECT IS NOT FINAL BUT IS STILL UNDER ENVIRONMENTAL REVIEW AND THE PROJECT IS SUBJECT TO CHANGE. THESE PLANS ARE NOT FINAL.

THE COUNCIL, THROUGH THE DEVELOPMENT OF THESE PLANS, DOES NOT INTEND THAT THEY WILL PREJUDICE OR COMPROMISE ANY STATE OR FEDERAL ENVIRONMENTAL REVIEW OR OTHER LEGAL REQUIREMENTS. THESE PLANS DO NOT LIMIT THE PROJECT DESIGN ALTERNATIVES OR MITIGATIVE MEASURES THAT THE COUNCIL MAY UNDERTAKE IF THE PROPOSED SWLRT PROJECT PROCEEDS TO CONSTRUCTION.

THE COUNCIL WILL NOT TAKE FINAL ACTION ON THIS MATTER UNLESS THE COUNCIL PROCEEDS WITH THE PROJECT AFTER THE FTA'S RECORD OF DECISION AND THE COUNCIL'S DETERMINATION OF ADEQUACY.

WARNING: THIS RECORD MAY CONTAIN SENSITIVE SECURITY INFORMATION THAT IS CONTROLLED UNDER 49 CFR PARTS 15 AND 1520. NO PART OF THIS RECORD MAY BE DISCLOSED TO PERSONS WITHOUT A "NEED TO KNOW", AS DEFINED IN 49 CFR PARTS 15 AND 1520, EXCEPT WITH THE WRITTEN PERMISSION OF THE ADMINISTRATOR OF THE TRANSPORTATION SECURITY ADMINISTRATION OR THE SECRETARY OF TRANSPORTATION. UNAUTHORIZED RELEASE MAY RESULT IN CIVIL PENALTY OR OTHER ACTION. FOR U.S. GOVERNMENT AGENCIES, PUBLIC DISCLOSURE IS GOVERNED BY 5 U.S.C. 552 AND 49 CFR PARTS 15 AND 1520.

60% SUBMISSION
DATE : 09/28/15

AECOM

CIVIL EAST

SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV
		VOLUME 2 - CIVIL			
1	E0-CIV-CVR-001	COVER SHEET			
2	E0-CIV-IDX-001	VOLUME INDEX OF PLAN SHEETS			
3	E1-GEN-KEY-001	KEY MAP			
4	E0-GEN-NTS-001	LEGEND AND ABBREVIATIONS SHEET 1			
5	E0-GEN-NTS-002	LEGEND AND ABBREVIATIONS SHEET 2			
6	E0-CIV-LGD-001	NOTES & LEGENDS			
7	E0-CIV-DTL-001	DETAILS AND STANDARD PLANS SHEET 1			
8	E0-CIV-DTL-002	DETAILS AND STANDARD PLANS SHEET 2			
9	E0-CIV-DTL-003	DETAILS AND STANDARD PLANS SHEET 3			
10	E0-CIV-DTL-004	DETAILS AND STANDARD PLANS SHEET 4			
11	E0-CIV-DTL-005	DETAILS AND STANDARD PLANS SHEET 5			
12	E1-CIV-IDX-001	CIVIL PLAN SHEET LAYOUT SHEET 1			
13	E2-CIV-IDX-001	CIVIL PLAN SHEET LAYOUT SHEET 2			
14	E2-CIV-IDX-002	CIVIL PLAN SHEET LAYOUT SHEET 3			
15	E3-CIV-IDX-001	CIVIL PLAN SHEET LAYOUT SHEET 4			
16	E4-CIV-IDX-001	CIVIL PLAN SHEET LAYOUT SHEET 5			
17	E4-CIV-IDX-002	CIVIL PLAN SHEET LAYOUT SHEET 6			
18	E1-CIV-ALG-001	ROADWAY ALIGNMENT TABULATIONS SHEET 1			
19	E1-CIV-ALG-002	ROADWAY ALIGNMENT TABULATIONS SHEET 2			
20	E1-CIV-ALG-003	ROADWAY ALIGNMENT TABULATIONS SHEET 3			
21	E2-CIV-ALG-001	ROADWAY ALIGNMENT TABULATIONS SHEET 4			
22	E3-CIV-ALG-001	ROADWAY ALIGNMENT TABULATIONS SHEET 5			
23	E3-CIV-ALG-002	ROADWAY ALIGNMENT TABULATIONS SHEET 6			
24	E3-CIV-ALG-003	ROADWAY ALIGNMENT TABULATIONS SHEET 7			
25	E4-CIV-ALG-001	ROADWAY ALIGNMENT TABULATIONS SHEET 8			
26	E4-CIV-ALG-002	ROADWAY ALIGNMENT TABULATIONS SHEET 9			
27	E4-CIV-ALG-003	ROADWAY ALIGNMENT TABULATIONS SHEET 10			
28	E4-CIV-ALG-004	ROADWAY ALIGNMENT TABULATIONS SHEET 11			
29	E1-CIV-TYP-001	ROADWAY TYPICAL SECTIONS SHEET 1			
30	E1-CIV-TYP-002	ROADWAY TYPICAL SECTIONS SHEET 2			
31	E1-CIV-TYP-003	ROADWAY TYPICAL SECTIONS SHEET 3			
32	E1-CIV-TYP-004	ROADWAY TYPICAL SECTIONS SHEET 4			
33	E1-CIV-TYP-005	ROADWAY TYPICAL SECTIONS SHEET 5			
34	E2-CIV-TYP-001	ROADWAY TYPICAL SECTIONS SHEET 6			
35	E2-CIV-TYP-002	ROADWAY TYPICAL SECTIONS SHEET 7			
36	E2-CIV-TYP-003	ROADWAY TYPICAL SECTIONS SHEET 8			
37	E2-CIV-TYP-004	ROADWAY TYPICAL SECTIONS SHEET 9			
38	E3-CIV-TYP-001	ROADWAY TYPICAL SECTIONS SHEET 10			
39	E3-CIV-TYP-002	ROADWAY TYPICAL SECTIONS SHEET 11			
40	E3-CIV-TYP-003	ROADWAY TYPICAL SECTIONS SHEET 12			
41	E3-CIV-TYP-004	ROADWAY TYPICAL SECTIONS SHEET 13			
42	E3-CIV-TYP-005	ROADWAY TYPICAL SECTIONS SHEET 14			
43	E3-CIV-TYP-006	ROADWAY TYPICAL SECTIONS SHEET 15			
44	E3-CIV-TYP-007	ROADWAY TYPICAL SECTIONS SHEET 16			
45	E4-CIV-TYP-001	ROADWAY TYPICAL SECTIONS SHEET 17			
46	E4-CIV-TYP-002	ROADWAY TYPICAL SECTIONS SHEET 18			
47	E4-CIV-TYP-003	ROADWAY TYPICAL SECTIONS SHEET 19			
48	E4-CIV-TYP-004	ROADWAY TYPICAL SECTIONS SHEET 20			
49	E4-CIV-TYP-005	ROADWAY TYPICAL SECTIONS SHEET 21			
50	E4-CIV-TYP-006	ROADWAY TYPICAL SECTIONS SHEET 22			
51	E4-CIV-TYP-007	ROADWAY TYPICAL SECTIONS SHEET 23			
52	E4-CIV-TYP-008	ROADWAY TYPICAL SECTIONS SHEET 24			
53	E4-CIV-TYP-009	ROADWAY TYPICAL SECTIONS SHEET 25			
54	E1-CIV-PRF-001	11TH AVE S PLAN AND PROFILE	11+00.00	17+00.00	
55	E1-CIV-PRF-002	8TH AVE S PLAN AND PROFILE	1+00.00	7+00.00	
56	E1-CIV-PRF-003	WB CSAH 3 (EXCELSIOR BLVD) PLAN AND PROFILE	197+00.00	205+00.00	
57	E1-CIV-PRF-004	EB CSAH 3 (EXCELSIOR BLVD) PLAN AND PROFILE	100+00.00	107+50.00	
58	E1-CIV-PRF-005	5TH AVE S PLAN AND PROFILE	9+20.00	16+50.00	
59	E1-CIV-PRF-006	CSAH 3 (EXCELSIOR BLVD) PLAN AND PROFILE	136+00.00	143+00.00	
60	E1-CIV-PRF-007	CSAH 20 (BLAKE RD) PLAN AND PROFILE	11+00.00	18+00.00	
61	E1-CIV-PRF-008	PIERCE AVE N PLAN AND PROFILE	10+00.00	17+00.00	
62	E1-CIV-PRF-009	ACCESS ROAD PLAN AND PROFILE	17+00.00	24+50.00	
63	E2-CIV-PRF-001	LOUISIANA AVE S PLAN AND PROFILE	10+00.00	14+50.00	
64	E2-CIV-PRF-002	OXFORD ST PLAN AND PROFILE	10+00.00	14+00.00	
65	E2-CIV-PRF-003	OXFORD ST PLAN AND PROFILE	14+00.00	20+50.00	
66	E2-CIV-PRF-004	OXFORD ST PLAN AND PROFILE	20+50.00	27+00.00	
67	E2-CIV-PRF-005	EDGEWOOD AVE S PLAN AND PROFILE	10+00.00	12+05.42	
68	E2-CIV-PRF-006	WOODDALE AVE PLAN AND PROFILE	10+00.00	17+50.00	
69	E2-CIV-PRF-007	YOSEMITE AVE S / W 35TH 1/2 ST PLAN AND PROFILE	1+00.00	4+00.00	
70	E2-CIV-PRF-008	BELTLINE BLVD PLAN AND PROFILE	112+00.00	118+00.00	
71	E2-CIV-PRF-009	BELTLINE BLVD PLAN AND PROFILE	118+00.00	121+38.00	
72	E3-CIV-PRF-001	CHOWEN AVE S PLAN AND PROFILE	3+35.00	9+50.00	

CIVIL EAST

SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV
73	E3-CIV-PRF-002	CHOWEN AVE S / W 31ST ST PLAN AND PROFILE	9+50.00	16+00.00	
74	E3-CIV-PRF-003	ABBOTT AVE S PLAN AND PROFILE	16+00.00	21+46.00	
75	E3-CIV-PRF-004	W 32ND ST PLAN AND PROFILE	32+00.00	37+26.00	
76	E3-CIV-PRF-005	CSAH 25 (W LAKE ST) PLAN AND PROFILE	0+00.00	6+00.00	
77	E3-CIV-PRF-006	CSAH 25 (W LAKE ST) PLAN AND PROFILE	6+00.00	13+00.00	
78	E3-CIV-PRF-007	CSAH 25 (W LAKE ST) PLAN AND PROFILE	13+00.00	16+00.00	
79	E3-CIV-PRF-008	CSAH 3 (EXCELSIOR BLVD) PLAN AND PROFILE	20+00.00	27+00.00	
80	E3-CIV-PRF-009	CSAH 3 (EXCELSIOR BLVD) PLAN AND PROFILE	27+00.00	34+00.00	
81	E3-CIV-PRF-010	CEDAR LAKE PKWY PLAN AND PROFILE	45+00.00	49+00.00	
82	E3-CIV-PRF-011	BURNHAM RD PLAN AND PROFILE	147+00.00	152+00.00	
83	E3-CIV-PRF-012	W 21ST ST PLAN AND PROFILE	11+00.00	16+50.00	
84	E3-CIV-PRF-013	W 24TH ST / THOMAS AVE PLAN AND PROFILE	20+00.00	26+67.59	
85	E3-CIV-PRF-014	W 22ND ST / THOMAS AVE S PLAN AND PROFILE			
86	E4-CIV-PRF-001	WAYZATA BLVD PLAN AND PROFILE	1+00.00	8+00.00	
87	E4-CIV-PRF-002	S WAYZATA BLVD / CSAH 2 (PENN AVE S) PLAN AND PROFILE	8+00.00	15+50.00	
88	E4-CIV-PRF-003	CSAH 2 (PENN AVE S) PLAN AND PROFILE	15+50.00	23+50.00	
89	E4-CIV-PRF-004	CSAH 2 (PENN AVE S) PLAN AND PROFILE	23+50.00	30+50.00	
90	E4-CIV-PRF-005	PENN STATION PASSENGER DROP-OFF PLAN AND PROFILE	0+00.00	3+55.00	
91	E4-CIV-PRF-006	VAN WHITE STATION ACCESS PLAN AND PROFILE	0+00.00	5+00.00	
92	E4-CIV-PRF-007	VAN WHITE STATION ACCESS PLAN AND PROFILE	5+00.00	8+68.00	
93	E4-CIV-PRF-008	POTENTIAL FUTURE ROADWAY CONNECTION PLAN AND PROFILE	0+00.00	4+00.00	
94	E4-CIV-PRF-009	DUNWOODY BLVD PLAN AND PROFILE	10+00.00	17+00.00	
95	E4-CIV-PRF-010	DUNWOODY BLVD PLAN AND PROFILE	17+00.00	20+61.00	
96	E4-CIV-PRF-011	VAN WHITE MEMORIAL BLVD PLAN AND PROFILE	726+00.00	733+00.00	
97	E4-CIV-PRF-012	VAN WHITE MEMORIAL BLVD PLAN AND PROFILE	733+00.00	735+00.00	
98	E4-CIV-PRF-013	CSAH 40 (GLENWOOD AVE) PLAN AND PROFILE	5+00.00	11+50.00	
99	E4-CIV-PRF-014	ROYALSON AVE N PLAN AND PROFILE	0+00.00	4+50.00	
100	E4-CIV-PRF-015	ROYALSON AVE N PLAN AND PROFILE	4+50.00	11+00.00	
101	E4-CIV-PRF-016	ROYALSON AVE N PLAN AND PROFILE	11+00.00	16+50.00	
102	E4-CIV-PRF-017	ROYALSON AVE N PLAN AND PROFILE	16+50.00	21+54.00	
103	E4-CIV-PRF-018	HOLDEN ST N PLAN AND PROFILE	52+77.00	60+00.00	
104	E4-CIV-PRF-019	HOLDEN ST N & BORDER AVE PLAN AND PROFILE	60+00.00	67+50.00	
105	E4-CIV-PRF-020	BORDER AVE PLAN AND PROFILE	67+50.00	75+13.11	
106	E4-CIV-PRF-021	5TH AVE S PLAN AND PROFILE	0+00.00	4+41.00	
107	E0-TRL-ALG-001	TRAIL ALIGNMENT TABULATIONS SHEET 1			
108	E0-TRL-ALG-002	TRAIL ALIGNMENT TABULATIONS SHEET 2			
109	E0-TRL-ALG-003	TRAIL ALIGNMENT TABULATIONS SHEET 3			
110	E0-TRL-ALG-004	TRAIL ALIGNMENT TABULATIONS SHEET 4			
111	E0-TRL-ALG-005	TRAIL ALIGNMENT TABULATIONS SHEET 5			
112	E0-TRL-ALG-006	TRAIL ALIGNMENT TABULATIONS SHEET 6			
113	E0-TRL-ALG-007	TRAIL ALIGNMENT TABULATIONS SHEET 7			
114	E0-TRL-ALG-008	TRAIL ALIGNMENT TABULATIONS SHEET 8			
115	E0-TRL-ALG-009	TRAIL ALIGNMENT TABULATIONS SHEET 9			
116	E0-TRL-ALG-010	TRAIL ALIGNMENT TABULATIONS SHEET 10			
117	E0-TRL-ALG-011	TRAIL ALIGNMENT TABULATIONS SHEET 11			
118	E0-TRL-ALG-012	TRAIL ALIGNMENT TABULATIONS SHEET 12			
119	E0-TRL-ALG-013	TRAIL ALIGNMENT TABULATIONS SHEET 13			
120	E0-TRL-ALG-014	TRAIL ALIGNMENT TABULATIONS SHEET 14			
121	E0-TRL-ALG-015	TRAIL ALIGNMENT TABULATIONS SHEET 15			
122	E0-TRL-ALG-016	TRAIL ALIGNMENT TABULATIONS SHEET 16			
123	E0-TRL-ALG-017	TRAIL ALIGNMENT TABULATIONS SHEET 17			
124	E1-TRL-PRF-001	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	106+00	113+00	
125	E1-TRL-PRF-002	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	113+00	119+50	
126	E1-TRL-PRF-003	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	119+50	126+50	
127	E1-TRL-PRF-004	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	126+50	133+50	
128	E1-TRL-PRF-005	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	133+50	139+50	
129	E1-TRL-PRF-006	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	139+50	146+00	
130	E1-TRL-PRF-007	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	146+00	151+72	
131	E1-TRL-PRF-008	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	160+00	166+00	
132	E1-TRL-PRF-009	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	166+00	173+00	
133	E1-TRL-PRF-010	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	173+00	180+00	
134	E1-TRL-PRF-011	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	180+00	187+00	
135	E1-TRL-PRF-012	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	187+00	194+00	
136	E1-TRL-PRF-013	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	194+00	200+29.49	
137	E2-TRL-PRF-001	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	200+30.62	206+00	
138	E2-TRL-PRF-002	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	206+00	213+00	
139	E2-TRL-PRF-003	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	213+00	220+00	
140	E2-TRL-PRF-004	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	220+00	227+00	
141	E2-TRL-PRF-005	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	227+00	234+00	
142	E2-TRL-PRF-006	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	234+00	241+00	

CIVIL EAST

SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV
143	E2-TRL-PRF-007	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	241+00	248+00	
144	E2-TRL-PRF-008	LOUISIANA STATION UNDERPASS PLAN AND PROFILE	9+00	11+77.06	
145	E2-TRL-PRF-009	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	248+00	255+00	
146	E2-TRL-PRF-010	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	255+00	262+00	
147	E2-TRL-PRF-011	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	262+00	269+00	
148	E2-TRL-PRF-012	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	269+00	276+00	
149	E2-TRL-PRF-013	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	276+00	283+00	
150	E2-TRL-PRF-014	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	283+00	290+00	
151	E2-TRL-PRF-015	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	290+00	297+00	
152	E2-TRL-PRF-016	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	297+00	304+00	
153	E2-TRL-PRF-017	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	304+00	311+00	
154	E2-TRL-PRF-018	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	311+00	318+00	
155	E2-TRL-PRF-019	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	318+00	325+00	
156	E2-TRL-PRF-020	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	325+00	332+00	
157	E2-TRL-PRF-021	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	332+00	339+00	
158	E2-TRL-PRF-022	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	339+00	340+52.04	
159	E3-TRL-PRF-001	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	340+52.04	347+50	
160	E3-TRL-PRF-002	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	347+50	354+50	
161	E3-TRL-PRF-003	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	354+50	361+50	
162	E3-TRL-PRF-004	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	361+50	368+50	
163	E3-TRL-PRF-005	CEDAR LAKE LRT REGIONAL TRAIL/MIDTOWN GREENWAY PLAN AND PROFILE	9+00	11+77.06	
164	E3-TRL-PRF-006	KENILWORTH TRAIL PLAN AND PROFILE	380+00	387+00	
165	E3-TRL-PRF-007	KENILWORTH TRAIL PLAN AND PROFILE	387+00	394+00	
166	E3-TRL-PRF-008	KENILWORTH TRAIL PLAN AND PROFILE	394+00	401+00	
167	E3-TRL-PRF-009	KENILWORTH TRAIL PLAN AND PROFILE	401+00	408+00	
168	E3-TRL-PRF-010	KENILWORTH TRAIL PLAN AND PROFILE	408+00	415+00	
169	E3-TRL-PRF-011	KENILWORTH TRAIL PLAN AND PROFILE	415+00	422+00	
170	E3-TRL-PRF-012	KENILWORTH TRAIL PLAN AND PROFILE	422+00	427+50	
171	E3-TRL-PRF-013	KENILWORTH TRAIL PLAN AND PROFILE	427+50	434+50	
172	E3-TRL-PRF-014	KENILWORTH TRAIL PLAN AND PROFILE	434+50	441+50	
173	E3-TRL-PRF-015	KENILWORTH TRAIL PLAN AND PROFILE	441+50	443+21.37	
174	E4-TRL-PRF-001	KENILWORTH TRAIL PLAN AND PROFILE	443+21.37	449+50	
175	E4-TRL-PRF-002	KENILWORTH TRAIL PLAN AND PROFILE	449+50	455+50	
176	E4-TRL-PRF-003	KENILWORTH TRAIL/CEDAR LAKE TRAIL PLAN AND PROFILE	455+50	461+50	
177	E4-TRL-PRF-004	CEDAR LAKE TRAIL PLAN AND PROFILE	461+50	468+00	
178	E4-TRL-PRF-005	CEDAR LAKE TRAIL PLAN AND PROFILE	468+00	474+50	
179	E4-TRL-PRF-006	CEDAR LAKE TRAIL PLAN AND PROFILE	474+50	478+28.66	
180	E4-TRL-PRF-007	CEDAR LAKE TRAIL PLAN AND PROFILE	449+71	505+50	
181	E4-TRL-PRF-008	CEDAR LAKE TRAIL PLAN AND PROFILE	505+50	512+58.19	
182	E4-TRL-PRF-009	CEDAR LAKE TRAIL PLAN AND PROFILE	550+10	555+11.31	
183	E4-TRL-PRF-010	LUCE LINE REGIONAL TRAIL PLAN AND PROFILE	3+52.26	8+50	
184	E4-TRL-PRF-011	LUCE LINE REGIONAL TRAIL PLAN AND PROFILE	8+50	16+21.15	
185	E1-CIV-PLN-001	DOWNTOWN HOPKINS STATION SITE PLAN			
186	E1-CIV-PLN-002	BLAKE STATION SITE PLAN			
187	E2-CIV-PLN-001	LOUISIANA STATION SITE PLAN	2630+00	2638+00	
188	E2-CIV-PLN-002	LOUISIANA STATION SITE PLAN	2638+00	2645+00	
189	E2-CIV-PLN-003	LOUISIANA STATION SITE PLAN	22+50	155+19	
190	E2-CIV-PLN-004	WOODDALE STATION SITE PLAN			
191	E2-CIV-PLN-005	BELTLINE STATION SITE PLAN			
192	E2-CIV-PLN-006	BELTLINE STATION PARK AND RIDE SITE PLAN			
193	E2-CIV-PLN-007	BELTLINE STATION SERVICE ROAD SITE PLAN			
194	E3-CIV-PLN-001	WEST LAKE STATION SITE PLAN			
195	E3-CIV-PLN-002	21ST STREET STATION SITE PLAN			
196	E4-CIV-PLN-001	PENN STATION SITE PLAN			
197	E4-CIV-PLN-002	VAN WHITE STATION SITE PLAN WEST			
198	E4-CIV-PLN-003	VAN WHITE STATION SITE PLAN EAST			
199	E4-CIV-PLN-004	ROYALSTON STATION SITE PLAN EAST			

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

METROPOLITAN COUNCIL

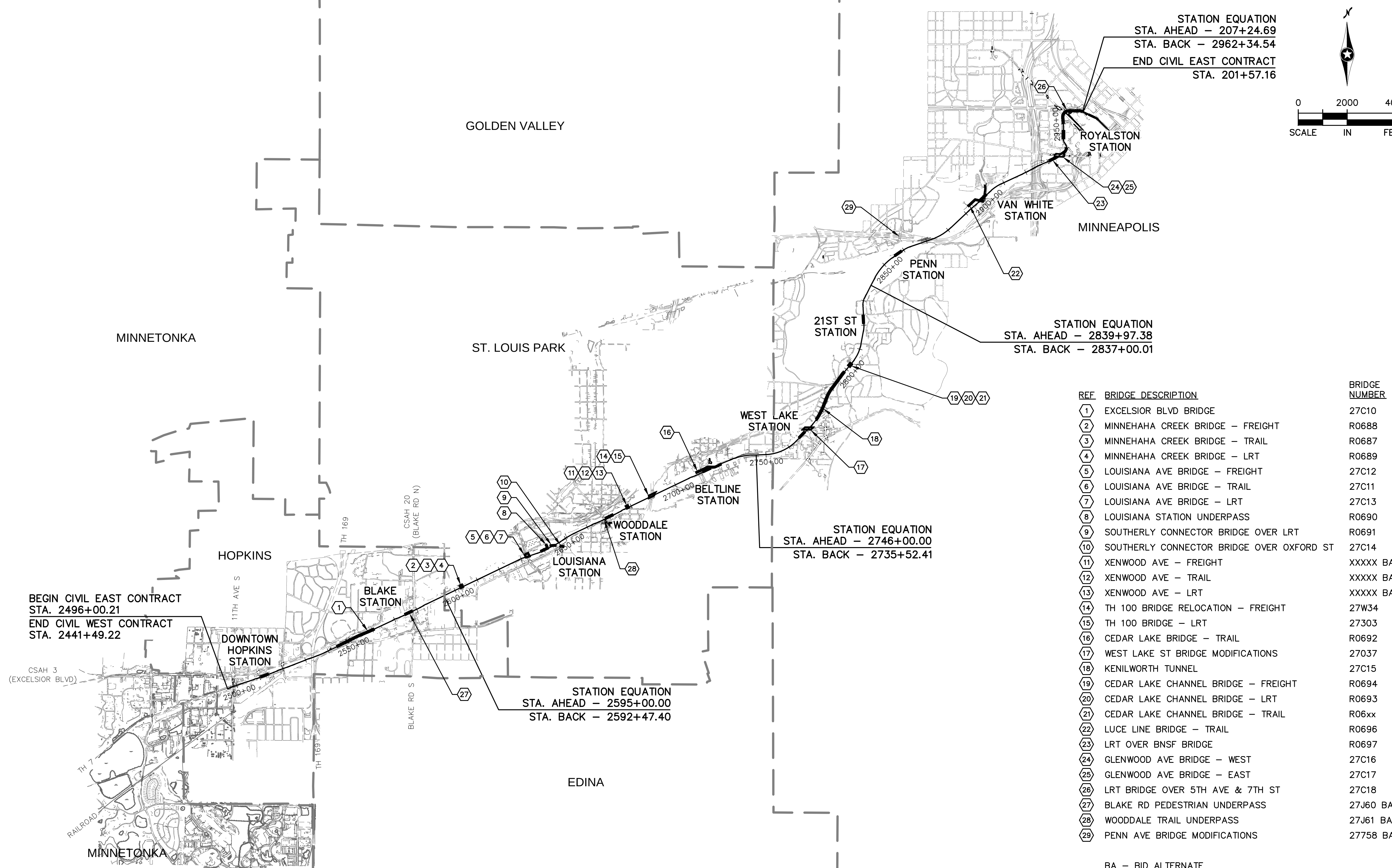
SOUTHWEST Green Line LRT Extension

60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 2
CIVIL
VOLUME INDEX OF PLAN SHEETS

DISCIPLINE: GENERAL

SHEET NAME: E0-CIV-IDX - 001



REF	BRIDGE DESCRIPTION	BRIDGE NUMBER
1	EXCELSIOR BLVD BRIDGE	27C10
2	MINNEHAHA CREEK BRIDGE – FREIGHT	R0688
3	MINNEHAHA CREEK BRIDGE – TRAIL	R0687
4	MINNEHAHA CREEK BRIDGE – LRT	R0689
5	LOUISIANA AVE BRIDGE – FREIGHT	27C12
6	LOUISIANA AVE BRIDGE – TRAIL	27C11
7	LOUISIANA AVE BRIDGE – LRT	27C13
8	LOUISIANA STATION UNDERPASS	R0690
9	SOUTHERLY CONNECTOR BRIDGE OVER LRT	R0691
10	SOUTHERLY CONNECTOR BRIDGE OVER OXFORD ST	27C14
11	XENWOOD AVE – FREIGHT	XXXXX BA
12	XENWOOD AVE – TRAIL	XXXXX BA
13	XENWOOD AVE – LRT	XXXXX BA
14	TH 100 BRIDGE RELOCATION – FREIGHT	27W34
15	TH 100 BRIDGE – LRT	27303
16	CEDAR LAKE BRIDGE – TRAIL	R0692
17	WEST LAKE ST BRIDGE MODIFICATIONS	27037
18	KENILWORTH TUNNEL	27C15
19	CEDAR LAKE CHANNEL BRIDGE – FREIGHT	R0694
20	CEDAR LAKE CHANNEL BRIDGE – LRT	R0693
21	CEDAR LAKE CHANNEL BRIDGE – TRAIL	R06xx
22	LUCE LINE BRIDGE – TRAIL	R0696
23	LRT OVER BNSF BRIDGE	R0697
24	GLENWOOD AVE BRIDGE – WEST	27C16
25	GLENWOOD AVE BRIDGE – EAST	27C17
26	LRT BRIDGE OVER 5TH AVE & 7TH ST	27C18
27	BLAKE RD PEDESTRIAN UNDERPASS	27J60 BA
28	WOODDALE TRAIL UNDERPASS	27J61 BA
29	PENN AVE BRIDGE MODIFICATIONS	27758 BA

BA – BID ALTERNATE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 2
GENERAL
KEY MAP

DISCIPLINE: GENERAL

SHEET NAME: E0-GEN-KEY - 001

TRACK LINETYPES

- ROADWAY ℄
- TRACK ℄ (LRT)
- TRACK ℄ (FRT)
- RETAINING WALL
- BALLAST CURB
- TUNNEL WALL
- FENCE
- EX ROW
- PROP ROW
- PROP TCE
- PROP PE
- FENCE / RAILING
- ID ID INTRUSION DETECTION

CIVIL LINETYPES

- ROADWAY ℄
- TRACK ℄ (LRT)
- TRACK ℄ (FRT)
- RETAINING WALL
- BALLAST CURB
- TUNNEL WALL
- CONCRETE CURB AND GUTTER
- TRAIL
- SIDEWALK
- DRIVEWAY
- BRIDGE
- SAWCUT
- FENCE
- DELINEATED WETLAND
- WATER EDGE
- EX ROW
- PROP ROW
- PROP TCE
- PROP PE
- CROSSWALK
- STOP BAR
- MEDIAN NOSE

TRACK SYMBOLS

- PROPOSED DIRECTIONAL LANE USE
- EXISTING DIRECTIONAL LANE USE
- PEDESTRIAN FLASHER
- AUTOMATIC GATE
- RAIL TURNOUT
- RAIL CROSSOVER (DOUBLE)
- RAIL CROSSOVER (SINGLE)
- POINT OF SWITCH (PS)
- OCS POLE FOUNDATION
- RAIL LUBRICATOR
- POINT OF INTERSECTION (PI) OF TURNOUT (TO)
- W2-200 RAILROAD CURVE NUMBER

NOTE:
ALL TURNOUTS AND CROSSOVERS TO BE EQUIPPED WITH POWER SWITCH MACHINES AND SWITCH HEATERS

CIVIL SYMBOLS

- ACCESSIBLE PEDESTRIAN CURB RAMP (DESIGN VARIES)
- PROPOSED DIRECTIONAL LANE USE
- EXISTING DIRECTIONAL LANE USE
- AUTOMATIC GATE
- HANDICAP PARKING STALL
- TACTILE WARNING STRIP
- TPSS BUILDING (TPSS-SW###)
- SIGNAL OR INTERMEDIATE OR PLATFORM OR XING OR TUNNEL HOUSE OR ANY COMBINATION OF THESE

SURVEY NOTES

1. THE HORIZONTAL DATUM OF THIS MAP IS BASED ON THE HENNEPIN COUNTY COORDINATE SYSTEM WHICH IS RELATED TO THE MINNESOTA STATE PLANE COORDINATE SYSTEM NAD 83 (2007) ADJUSTMENT SOUTH ZONE.
2. THE PLANIMETRIC FEATURES SHOWN ON THIS MAP ARE AS PREPARED BY AERO-METRIC, INC. FROM AERIAL DATA AND IMAGERY COLLECTED IN APRIL 2012, AS SUPPLEMENTED BY FIELD SURVEYS COMPLETED BY MFRA, INC.
3. HORIZONTAL POSITIONAL ACCURACY: USING THE NATIONAL STANDARD FOR SPATIAL DATA ACCURACY, THE DATA SET TESTED 0.14 FEET HORIZONTAL ACCURACY AT A 95% CONFIDENCE LEVEL.
4. VERTICAL POSITIONAL ACCURACY: USING THE NATIONAL STANDARD FOR SPATIAL DATA ACCURACY, THE DATA SET TESTED 0.10 FEET VERTICAL ACCURACY AT 95% CONFIDENCE LEVEL.

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60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
GENERAL
LEGEND AND ABBREVIATIONS
SHEET 1

DISCIPLINE: GENERAL

SHEET NAME: E0-GEN-NTS - 001

ABBREVIATIONS

AD	ALGEBRAIC DIFFERENCE
AVE	AVENUE
BGN	BEGIN
BP	BEGINNING POINT
BVCE	BEGINNING VERTICAL CURVE ELEVATION
BVCS	BEGINNING VERTICAL CURVE STATION
BLVD	BOULEVARD
BNSF	BURLINGTON NORTHERN SANTA FE RAILWAY
C&G	CURB AND GUTTER
℄	CENTERLINE
CIR	CIRCLE
CP	CANADIAN PACIFIC
CPRAIL	CANADIAN PACIFIC RAILWAY
CS	CURVE TO SPIRAL
CSAH	COUNTY STATE AID HIGHWAY
D&U	DRAINAGE AND UTILITY
DF	DIRECT FIXATION
DR	DRIVE
DTL	DETAIL
DWY	DRIVEWAY
E	EAST
Ea	ACTUAL SUPERELEVATION (INCHES)
EB	EAST BOUND
EL or ELEV	ELEVATION
EP	END POINT
ESMT	EASEMENT
Eu	UNBALANCED SUPERELEVATION (INCHES)
EVCE	ENDING VERTICAL CURVE ELEVATION
EVCS	ENDING VERTICAL CURVE STATION
EX	EXISTING
HCRRA	HENNEPIN COUNTY REGIONAL RAILROAD AUTHORITY
LH	LEFT HAND
LN	LANE
LRT	LIGHT RAIL TRANSIT
L_c	CURVE LENGTH (FEET)
L_s	SPIRAL LENGTH (FEET)
MIN	MINIMUM
MPH	MILES PER HOUR
MPLS	CITY OF MINNEAPOLIS
MPRB	MINNEAPOLIS PARK AND RECREATION BOARD
N	NORTH
NB	NORTH BOUND
NIC	NOT IN CONTRACT
NO	NUMBER
OMF	OPERATIONS AND MAINTENANCE FACILITY
OCS	OVERHEAD CONTACT SYSTEM
OH	OVERHEAD
PC	POINT OF CURVE
PE	PERMANENT EASEMENT
PITO	POINT OF INTERSECTION OF TURNOUT
PKWY	PARKWAY
POT	POINT ON TANGENT
PROP	PROPOSED
PS	POINT OF SWITCH
PT	POINT OF TANGENT
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS (FEET)
RD	ROAD
RL	RAIL LUBRICATOR
r	RATE OF CHANGE VERTICAL CURVE
RH	RIGHT HAND
ROW	RIGHT OF WAY
S	SOUTH
SB	SOUTH BOUND
SC	SPIRAL TO CURVE
SIG-COMM	SIGNAL COMMUNICATION
ST	STREET
ST	SPIRAL TO TANGENT
STA	STATION
TCE	TEMPORARY CONSTRUCTION EASEMENT
TH	TRUNK HIGHWAY
THRU	THROUGH
TOR	TOP OF RAIL
TPSS	TRACTION POWER SUBSTATION
TRK	TRACK
TS	TANGENT TO SPIRAL
TYP	TYPICAL
UG	UNDERGROUND
V	DESIGN VELOCITY (MPH)
VC	VERTICAL CURVE
W	WEST
WB	WEST BOUND

TRAIL INDEX

ABBREVIATED NAME	FULL NAME / LOCATION
TRAIL 1	UNDER RED CIRCLE DR, LRT, AND YELLOW CIRCLE DR
TRAIL 2	FROM TRAIL 1 TO GREEN CIRCLE DR
TRAIL 3	OPUS STATION ACCESS FROM BREN RD E
TRAIL 4	FROM BREN RD W TO TRAIL 5
TRAIL 5	FROM OPUS STATION TO GREEN CIRCLE DR
TRAIL 6	FROM TRAIL 5 TO SMETANA RD
CEDAR LAKE TRAIL	CEDAR LAKE LRT REGIONAL TRAIL/FROM SHADY OAK STATION TO 11TH AVE
CEDAR LAKE TRAIL	CEDAR LAKE LRT REGIONAL TRAIL/WEST OF EXCELSIOR
CEDAR LAKE TRAIL	CEDAR LAKE LRT REGIONAL LRT TRAIL/BETWEEN EXCELSIOR AND KENILWORTH TRAIL CONNECTION
MIDTOWN GREENWAY	MIDTOWN GREENWAY/EAST OF KENILWORTH TRAIL CONNECTION
TRAIL A	KENILWORTH TRAIL (SECONDARY)/BETWEEN CEDAR-ISLES CHANNEL AND 21ST STREET STATION
TRAIL B	KENILWORTH TRAIL (SECONDARY)/BETWEEN 21ST STREET STATION AND PENN STATION
TRAIL B	CEDAR LAKE TRAIL (SECONDARY)/EAST OF PENN STATION
TRAIL C	10' CONNECTOR TRAIL FROM CEDAR LAKE LRT REGIONAL TRAIL TO TYLER AVE.
TRAIL D	10' CONNECTOR TRAIL/BELTLINE STATION TO CEDAR LAKE LRT REGIONAL TRAIL
KENILWORTH TRAIL	KENILWORTH TRAIL (MAIN)/W LAKE ST TO PENN STATION
CEDAR LAKE TRAIL	CEDAR LAKE TRAIL (MAIN)/PENN STATION TO TH 394
TRAIL E	KENILWORTH TRAIL (SECONDARY)/EAST OF W LAKE ST
TRAIL F	KENILWORTH TRAIL (SECONDARY)/WEST OF CEDAR LAKE PKWY
TRAIL G	KENILWORTH TRAIL (SECONDARY)/WEST OF PENN STATION
TRAIL G	CEDAR LAKE TRAIL (SECONDARY)/EAST OF PENN STATION
TRAIL H	10' CONNECTOR TRAIL/EAST OF PENN STATION TO KENWOOD PKWY
TRAIL I	NOT USED
CEDAR LAKE TRAIL	CEDAR LAKE TRAIL (MAIN)/AT-GRADE CROSSING AT PENN STATION
TRAIL J	CEDAR LAKE TRAIL (SECONDARY)/NORTHWEST OF PENN STATION
TRAIL K	CEDAR LAKE TRAIL (SECONDARY)/NORTHWEST OF PENN STATION
TRAIL L	CEDAR LAKE TRAIL (SECONDARY)/EAST OF PENN STATION
TRAIL M	NOT USED
TRAIL N	8' CONNECTOR TRAIL FROM CEDAR LAKE TRAIL TO EDGEBROOOK DRIVE
TRAIL O	8' CONNECTOR TRAIL FROM CEDAR LAKE TRAIL TO W LAKE STREET
TRAIL P	8' CONNECTOR TRAIL FROM CEDAR LAKE TRAIL TO LOUISIANA AVE
TRAIL Q	10' CONNECTOR TRAIL FROM CEDAR LAKE TRAIL TO TH 7 SERVICE ROAD
TRAIL R	20' CONNECTOR TRAIL FROM VAN WHITE STATION TO CEDAR LAKE TRAIL
TRAIL S	NOT USED
TRAIL T	8' CONNECTOR TRAIL FROM VAN WHITE STATION TO VAN WHITE MEMORIAL BLVD
TRAIL U	10' TRAIL PARALLEL TO CEDAR LAKE PKWY
LUCE LINE TRAIL	LUCE LINE REGIONAL TRAIL/ON BRIDGE OVER LIGHT RAIL
TRAIL V	CONNECTOR TRAIL TO LUCE LINE REGIONAL TRAIL WEST OF LIGHT RAIL
TRAIL W	CONNECTOR TRAIL TO LUCE LINE REGIONAL TRAIL WEST OF LIGHT RAIL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
GENERAL
LEGEND AND ABBREVIATIONS
SHEET 2

DISCIPLINE: GENERAL

SHEET NAME: E0-GEN-NTS - 002

Sep. 21 2015 05:30 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E0-CIV-LGD.dwg By: Wedgehr

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

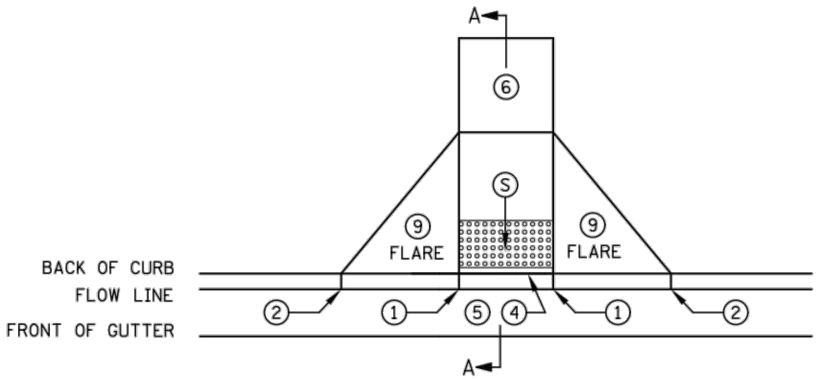
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CIVIL
NOTES & LEGENDS

DISCIPLINE: CIVIL

SHEET NAME: E0-CIV-LGD - 001

SHEET 6 OF 199



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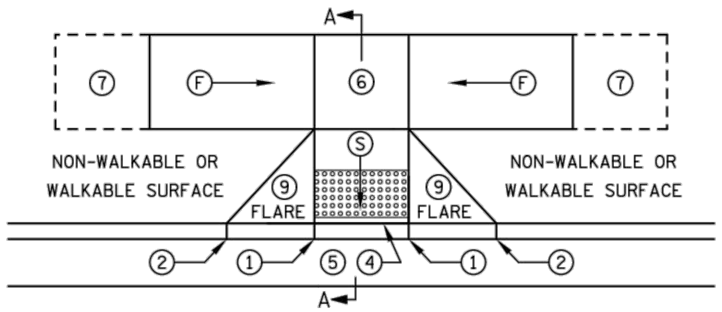

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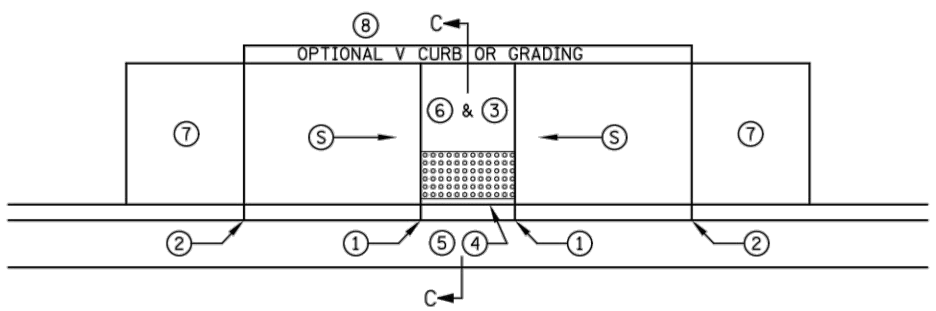
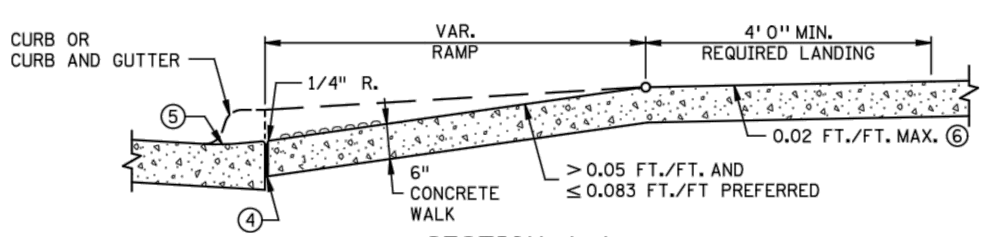
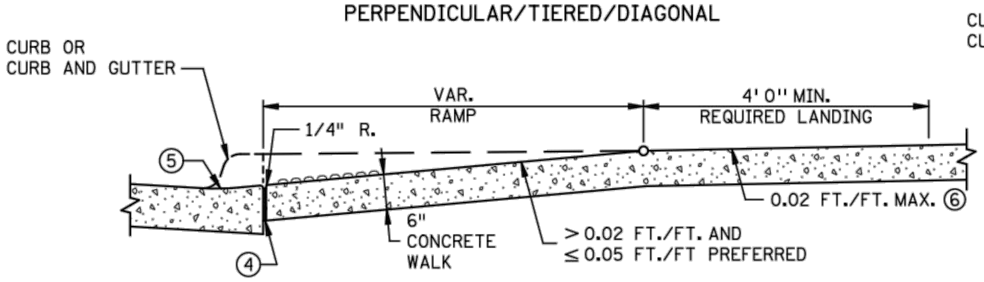


PARALLEL



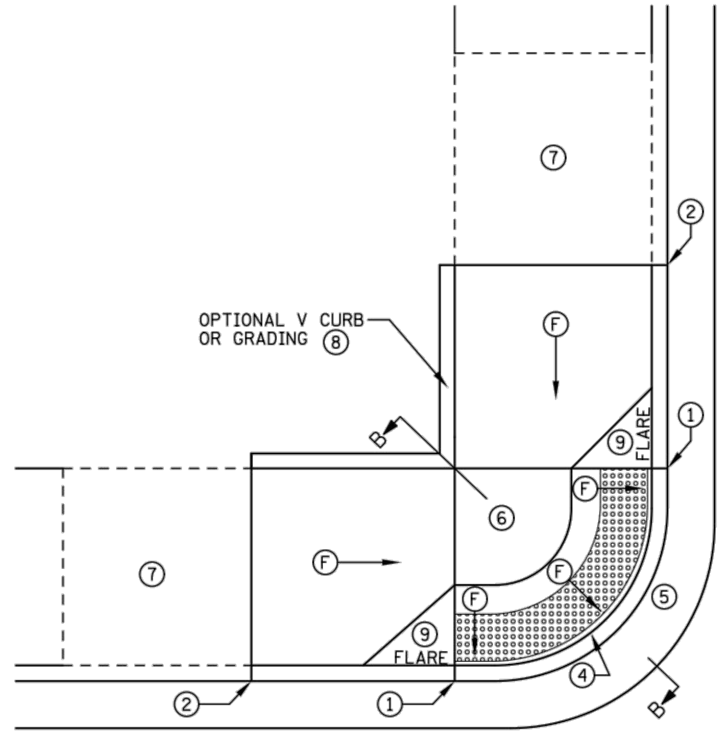
SECTION A-A

PERPENDICULAR/TIERED/DIAGONAL



SECTION B-B

FAN



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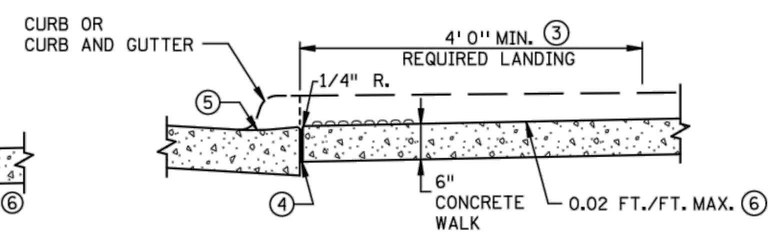
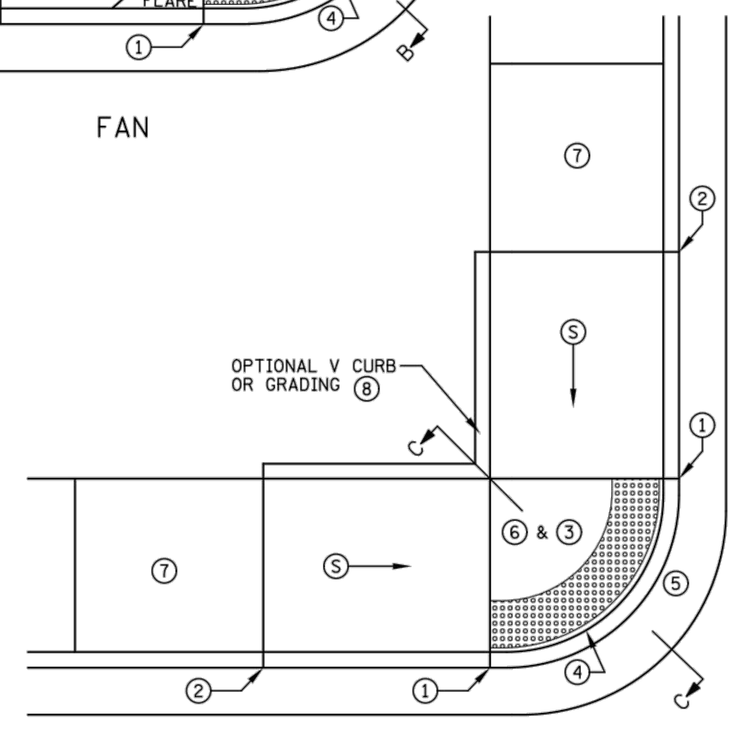
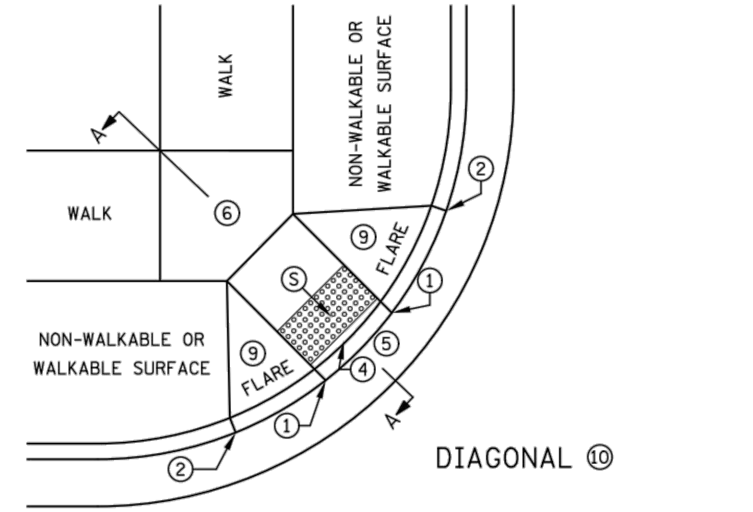


SECTION C-C

PARALLEL/DEPRESSED CORNER



DEPRESSED CORNER



DIAGONAL ⑩

NOTES:

LANDINGS SHALL BE LOCATED ANYWHERE THE PEDESTRIAN ACCESS ROUTE CHANGES DIRECTION, AT THE TOP OF RAMPS THAT HAVE RUNNING SLOPES GREATER THAN 5.0%, AND IF THE APPROACHING WALK IS INVERSE GRADE.

INITIAL CURB RAMP LANDINGS SHALL BE CONSTRUCTED WITHIN 15' FROM THE BACK OF CURB, WITH 6' FROM THE BACK OF CURB BEING THE PREFERRED DISTANCE.

SECONDARY CURB RAMP LANDINGS ARE REQUIRED FOR EVERY 30" OF VERTICAL RISE WHEN THE LONGITUDINAL SLOPE IS GREATER THAN 5.0%.

CONTRACTION JOINTS SHALL BE CONSTRUCTED ALONG ALL GRADE BREAKS.

ALL GRADE BREAKS WITHIN THE PAR SHALL BE PERPENDICULAR TO THE PATH OF TRAVEL.

TO ENSURE RAMPS AND LANDINGS ARE PROPERLY CONCTRUCTED, LANDINGS MAY BE CAST SEPARATELY. FOLLOW SIDEWALK REINFORCEMENT DETAILS ON SHEET 5 WHEN LANDINGS ARE CAST SEPARATELY.

ALL SLOPES ARE ABSOLUTE, RATHER THAN RELATIVE TO SIDEWALK/ROADWAY GRADES.

TOP OF CURB SHALL MATCH PROPOSED ADJACENT WALK GRADE.

4' MINIMUM WIDTH OF DETECTABLE WARNING IS REQUIRED FOR ALL RAMPS. DETECTABLE WARNINGS SHALL CONTINUOUSLY EXTEND FOR A MINIMUM OF 24" IN THE PATH OF TRAVEL. SHARED USE PATHS SHALL HAVE DETECTABLE WARNING ACROSS THE ENTIRE WIDTH OF PATH WHEN THE PATH CROSSES A ROAD.

SEE STANDARD PLATE 7038 AND SHEET 4 OF 5 FOR ADDITIONAL DETAILS ON DETECTABLE WARNING.

1. 0" CURB HEIGHT.
2. FULL CURB HEIGHT.
3. DETECTABLE WARNINGS MAY BE PART OF 4' X 4' LANDING AREA IF IT IS NOT FEASIBLE TO CONSTRUCT THE LANDING OUTSIDE OF THE DETECTABLE WARNING AREA.
4. 1/2" PREFORMED JOINT FILLER MATERIAL AASHTO M 213. JOINT FILLER SHALL BE PLACED FLUSH WITH THE BACK OF CURB AND ADJACENT SIDEWALK. JOINT SHALL BE FREE OF DEBRIS. RECTANGULAR DETECTABLE WARNINGS SHALL BE SETBACK 3" FROM THE BACK OF CURB. RADIAL DETECTABLE WARNINGS SHALL BE SETBACK 3" MINIMUM TO 6" MAXIMUM FROM THE BACK OF CURB.
5. SEE PEDESTRIAN ACCESS ROUTE CURB AND GUTTER DETAIL FOR INFORMATION ON CONSTRUCTING CURB AND GUTTER AT CURB OPENINGS. SEE SHEET NO. 3 OF 5.
6. 4' BY 4' MIN. LANDING WITH MAX. 2.0% SLOPE IN ALL DIRECTIONS.
7. IF LONGITUDINAL SLOPE IS GREATER THAN 5.0%, 4' X 4' MIN. LANDING WITH MAX 2.0% SLOPE IN ALL DIRECTIONS REQUIRED.
8. V CURB, IF USED, SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS. SEE SHEET 5 OF 5.
9. SEE SHEET 4 OF 5, TYPICAL SIDE TREATMENT OPTIONS, FOR DETAILS ON FLARES AND RETURNED CURBS.
10. DIAGONAL RAMPS SHOULD ONLY BE USED AFTER ALL OTHER CURB RAMP TYPES HAVE BEEN EVALUATED AND DEEMED IMPRACTICAL.

LEGEND

THESE LONGITUDINAL SLOPE RANGES SHALL BE THE STARTING POINT. IF SITE CONDITIONS WARRANT, LONGITUDINAL SLOPES UP TO 8.3% OR FLATTER ARE ALLOWED.

S: INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0%

F: INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%

REVISION:

APPROVED: 8-6-2014

OPERATIONS ENGINEER

MINNESOTA DEPARTMENT OF TRANSPORTATION

REVISED:

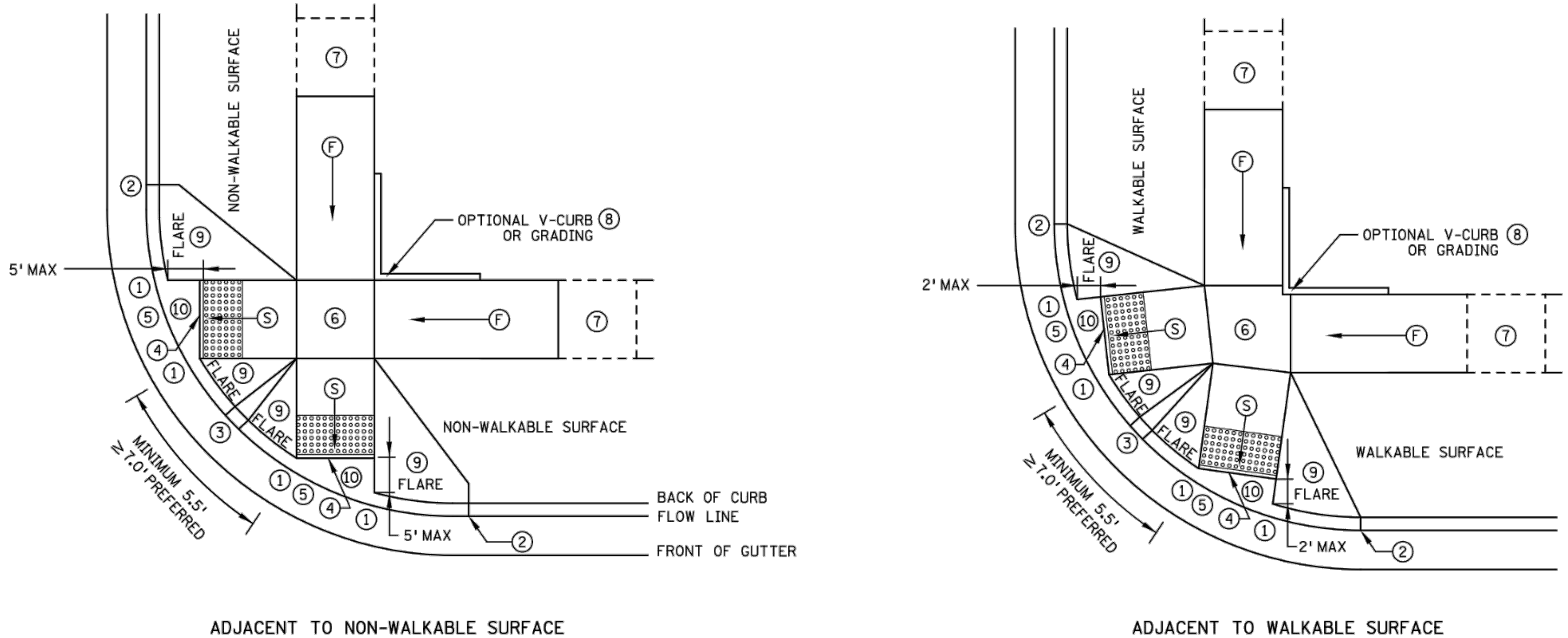
APPROVED:

8-6-2014

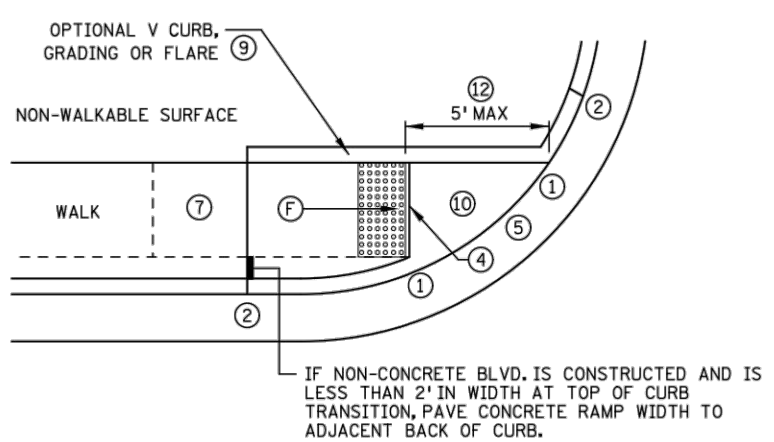
STATE DESIGN ENGINEER

PEDESTRIAN CURB RAMP DETAILS

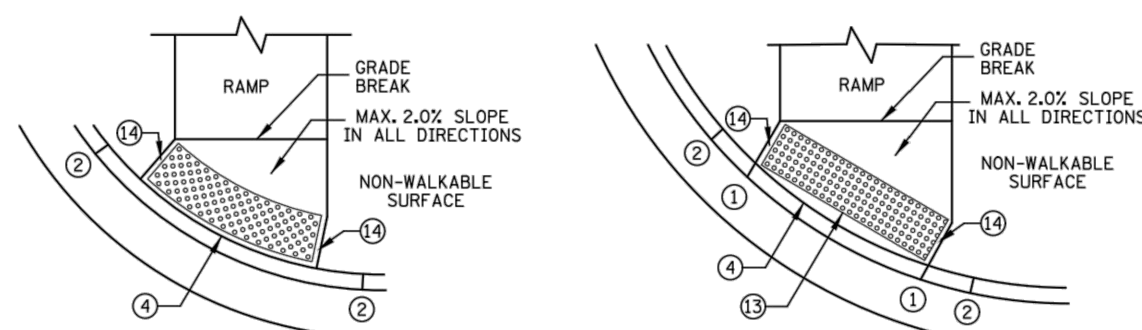
STANDARD PLAN 5-297.250 | 1 OF 5



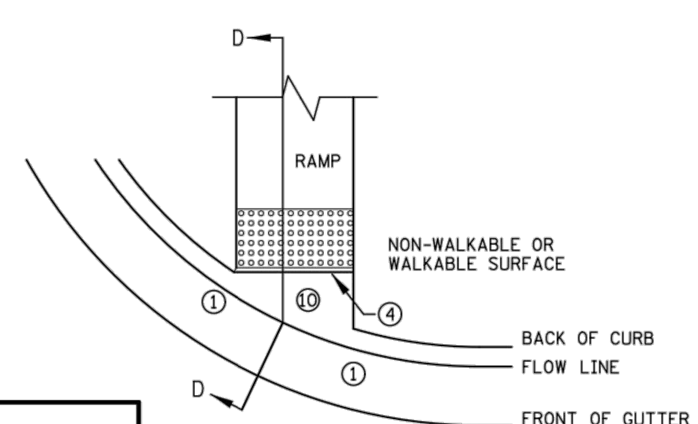
COMBINED DIRECTIONAL ⑮



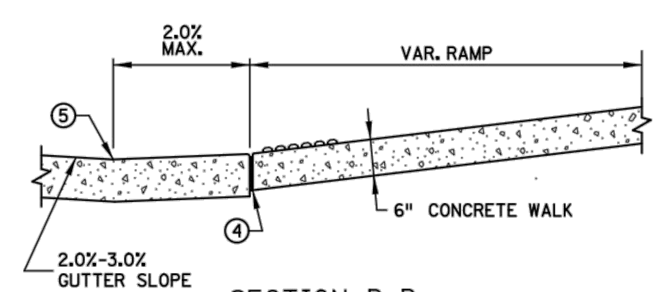
ONE-WAY DIRECTIONAL



DETECTABLE WARNING PLACEMENT WHEN SETBACK CRITERIA IS EXCEEDED



CURB FOR DIRECTIONAL RAMPS ⑪



SECTION D-D

NOTES:

LANDINGS SHALL BE LOCATED ANYWHERE THE PEDESTRIAN ACCESS ROUTE CHANGES DIRECTION, AT THE TOP OF RAMPS THAT HAVE RUNNING SLOPES GREATER THAN 5.0%, AND IF THE APPROACHING WALK IS INVERSE GRADE.

INITIAL CURB RAMP LANDINGS SHALL BE CONSTRUCTED WITHIN 15' FROM THE BACK OF CURB, WITH 6' FROM THE BACK OF CURB BEING THE PREFERRED DISTANCE.

SECONDARY CURB RAMP LANDINGS ARE REQUIRED FOR EVERY 30" OF VERTICAL RISE WHEN THE LONGITUDINAL SLOPE IS GREATER THAN 5.0%.

CONTRACTION JOINTS SHALL BE CONSTRUCTED ALONG ALL GRADE BREAKS.

ALL GRADE BREAKS WITHIN THE PAR SHALL BE PERPENDICULAR TO THE PATH OF TRAVEL.

TO ENSURE RAMPS AND LANDINGS ARE PROPERLY CONCTRUCTED, LANDINGS MAY BE CAST SEPARATELY. FOLLOW SIDEWALK REINFORCEMENT DETAILS ON SHEET 5 WHEN LANDINGS ARE CAST SEPARATELY.

ALL SLOPES ARE ABSOLUTE, RATHER THAN RELATIVE TO SIDEWALK/ROADWAY GRADES.

TOP OF CURB SHALL MATCH PROPOSED ADJACENT WALK GRADE.

4' MINIMUM WIDTH OF DETECTABLE WARNING IS REQUIRED FOR ALL RAMPS. DETECTABLE WARNINGS SHALL CONTINUOUSLY EXTEND FOR A MINIMUM OF 24" IN THE PATH OF TRAVEL. SHARED USE PATHS SHALL HAVE DETECTABLE WARNING ACROSS THE ENTIRE WIDTH OF PATH WHEN THE PATH CROSSES A ROAD.

SEE STANDARD PLATE 7038 AND SHEET 4 OF 5 FOR ADDITIONAL DETAILS ON DETECTABLE WARNING.

① 0" CURB HEIGHT.

② FULL CURB HEIGHT.

③ 3" MINIMUM CURB HEIGHT, 4" PREFERRED.

④ 1/2" PREFORMED JOINT FILLER MATERIAL AASHTO M 213. JOINT FILLER SHALL BE PLACED FLUSH WITH THE BACK OF CURB AND ADJACENT SIDEWALK. JOINT SHALL BE FREE OF DEBRIS. RECTANGULAR DETECTABLE WARNINGS SHALL BE SETBACK 3" FROM THE BACK OF CURB. RADIAL DETECTABLE WARNINGS SHALL BE SETBACK 3" MIN. TO 6" MAX. FROM THE BACK OF CURB.

⑤ SEE PEDESTRIAN ACCESS ROUTE CURB AND GUTTER DETAIL FOR INFORMATION ON CONSTRUCTING CURB AND GUTTER AT CURB OPENINGS. SEE SHEET NO. 3 OF 5.

⑥ 4' BY 4' MIN. LANDING WITH MAX. 2.0% SLOPE IN ALL DIRECTIONS.

⑦ IF LONGITUDINAL SLOPE IS GREATER THAN 5.0%, 4' X 4' MIN. LANDING WITH MAX 2.0% SLOPE IN ALL DIRECTIONS REQUIRED.

⑧ V CURB, IF USED, SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS.

⑨ SEE SHEET 4 OF 5, TYPICAL SIDE TREATMENT OPTIONS, FOR DETAILS ON FLARES AND RETURNED CURBS.

⑩ MAX. 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK AND DRAIN TO FLOW LINE. SHALL BE CONSTRUCTED INTEGRAL WITH CURB AND GUTTER.

⑪ TO BE USED FOR ALL DIRECTIONAL RAMPS.

⑫ PLACE DOMES AT THE BACK OF CURB WHEN ALLOWABLE SETBACK CRITERIA IS EXCEEDED.

⑬ RECTANGULAR DETECTABLE WARNINGS MAY BE SETBACK 9" FROM THE BACK OF CURB WITH CORNERS SET 3" FROM BACK OF CURB. IF 9" SETBACK IS EXCEEDED USE RADIAL DETECTABLE WARNINGS.

⑭ WHEN NO CONCRETE FLARES ARE PROPOSED, THE CONCRETE WALK SHALL BE FORMED AND CONSTRUCTED PERPENDICULAR TO THE BACK OF CURB. MAINTAIN 3" BETWEEN EDGE OF DOMES AND EDGE OF CONCRETE.

⑮ FRONT EDGE OF DETECTABLE WARNING SHALL BE SET BACK 2' MAXIMUM WHEN ADJACENT TO WALKABLE SURFACE, AND 5' MAXIMUM WHEN ADJACENT TO NON-WALKABLE SURFACE WITH ONE CORNER SET 3" FROM BACK OF CURB. WHETHER A SURFACE IS WALKABLE OR NOT SHALL BE DETERMINED BY THE ENGINEER

LEGEND

THESE LONGITUDINAL SLOPE RANGES SHALL BE THE STARTING POINT. IF SITE CONDITIONS WARRANT, LONGITUDINAL SLOPES UP TO 8.3% OR FLATTER ARE ALLOWED.

Ⓢ INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0%

Ⓕ INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%

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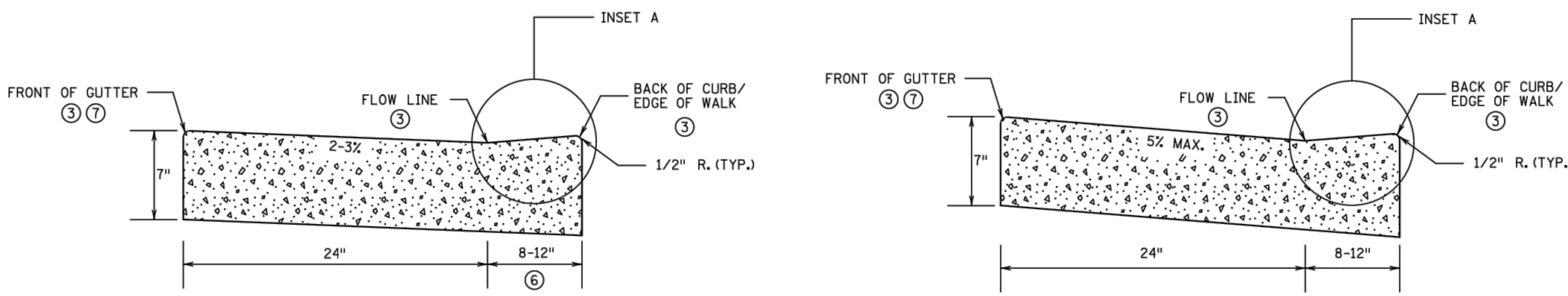
REVISION:
APPROVED: 8-6-2014
OPERATIONS ENGINEER

MINNESOTA DEPARTMENT OF TRANSPORTATION

REVISED:
APPROVED:
8-6-2014
STATE DESIGN ENGINEER

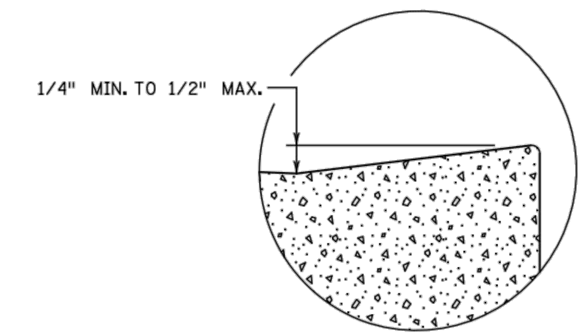
PEDESTRIAN CURB RAMP DETAILS

STANDARD PLAN 5-297.250 | 2 OF 5



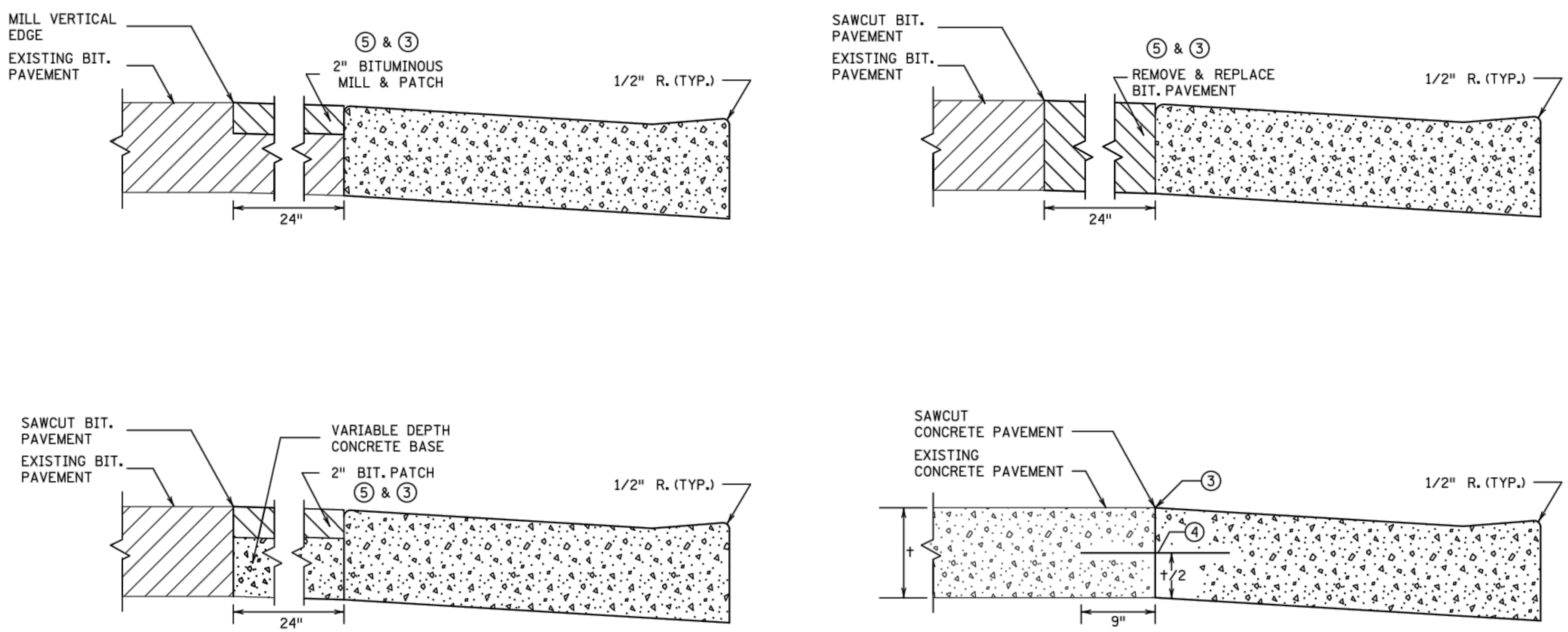
NON PERPENDICULAR ①

PERPENDICULAR ②



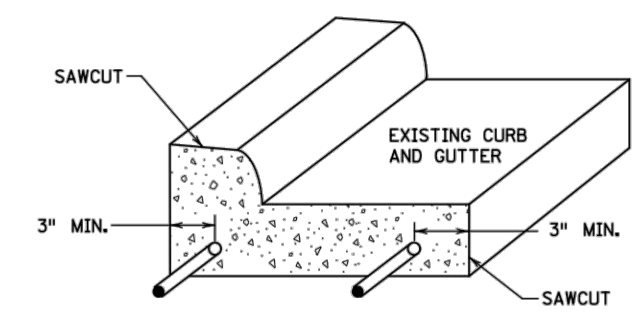
INSET A

PEDESTRIAN ACCESS ROUTE CURB & GUTTER DETAIL



PAVEMENT TREATMENT OPTIONS IN FRONT OF CURB & GUTTER

FOR USE ON CURB RAMP RETROFITS



CURB AND GUTTER REINFORCEMENT ⑧

FOR USE ON CURB RAMP RETROFITS

NOTES:

POSITIVE FLOW LINE DRAINAGE SHALL BE MAINTAINED THROUGH THE PEDESTRIAN ACCESS ROUTE (PAR) AT A 2% MAXIMUM.

NO PONDING SHALL BE PRESENT IN THE PAR.

ANY VERTICAL LIP THAT OCCURS AT THE FLOW LINE SHALL NOT BE GREATER THAN 1/4 INCH.

① FOR USE AT CURB CUTS WHERE THE PEDESTRIAN'S PATH OF TRAVEL IS ASSUMED NON PERPENDICULAR TO THE GUTTER FLOW LINE. RAMP TYPES INCLUDE: FANS, DEPRESSED CORNERS, & ONE WAY AND COMBINED DIRECTIONALS.

② FOR USE AT CURB CUTS WHERE THE PEDESTRIAN'S PATH OF TRAVEL IS ASSUMED PERPENDICULAR TO THE GUTTER FLOW LINE. RAMP TYPES INCLUDE: PERPENDICULAR, TIERED PERPENDICULAR, PARALLEL, AND DIAGONAL RAMPS.

③ THERE SHALL BE NO VERTICAL DISCONTINUITIES GREATER THAN 1/4".

④ DRILL AND GROUT NO. 4 EPOXY-COATED 18" LONG TIE BARS AT 30" CENTER TO CENTER INTO EXISTING CONCRETE PAVEMENT.

⑤ ELEVATION CHANGE TAKES PLACE FROM THE EXISTING TO NEW FRONT OF GUTTER. PATCH IS USED TO MATCH THE NEW GUTTER FACE INTO THE EXISTING ROADWAY.

⑥ VARIABLE WIDTH FOR DIRECTIONAL CURB APPLICATIONS.

⑦ TOP FRONT OF GUTTER SHALL BE CONSTRUCTED FLUSH WITH PROPOSED ADJACENT PAVEMENT ELEVATION. PAR GUTTER SHALL NOT BE OVERLAID.

⑧ WHERE PLAN SPECIFIES, DRILL AND GROUT 2 - NO. 4 X 12" LONG REINFORCEMENT BARS (EPOXY COATED).

REVISION:

APPROVED: 8-6-2014

OPERATIONS ENGINEER

MINNESOTA DEPARTMENT OF TRANSPORTATION

REVISED:

APPROVED:

STATE DESIGN ENGINEER

8-6-2014

PEDESTRIAN CURB RAMP DETAILS

STANDARD PLAN 5-297.250

3 OF 5

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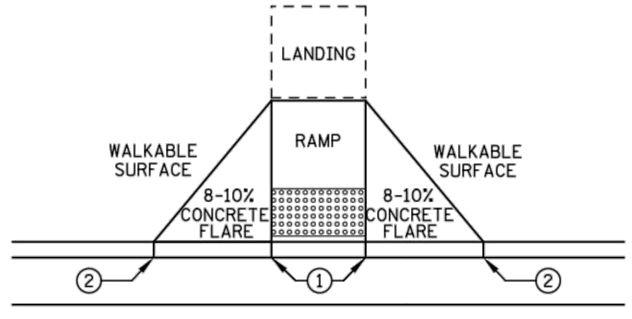
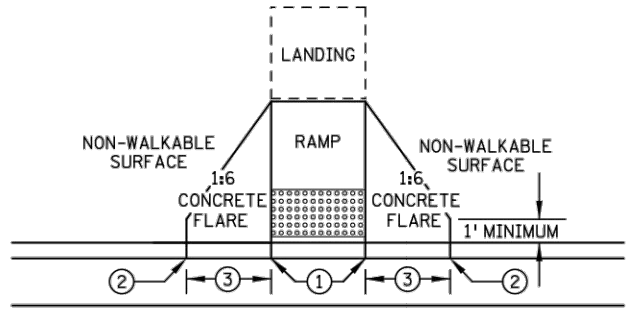
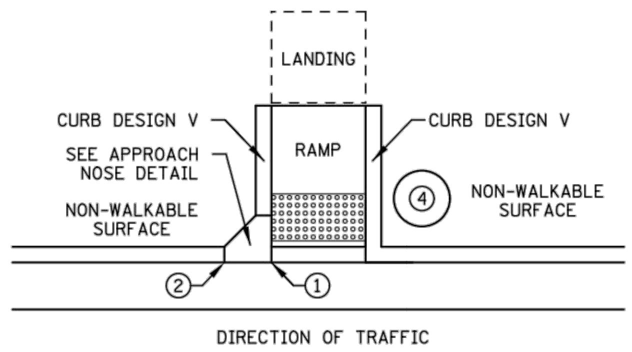


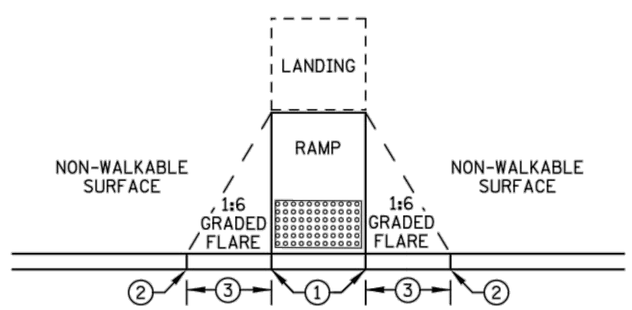
PAVED FLARES
ADJACENT TO WALKABLE SURFACE



PAVED FLARES
ADJACENT TO NON-WALKABLE SURFACE

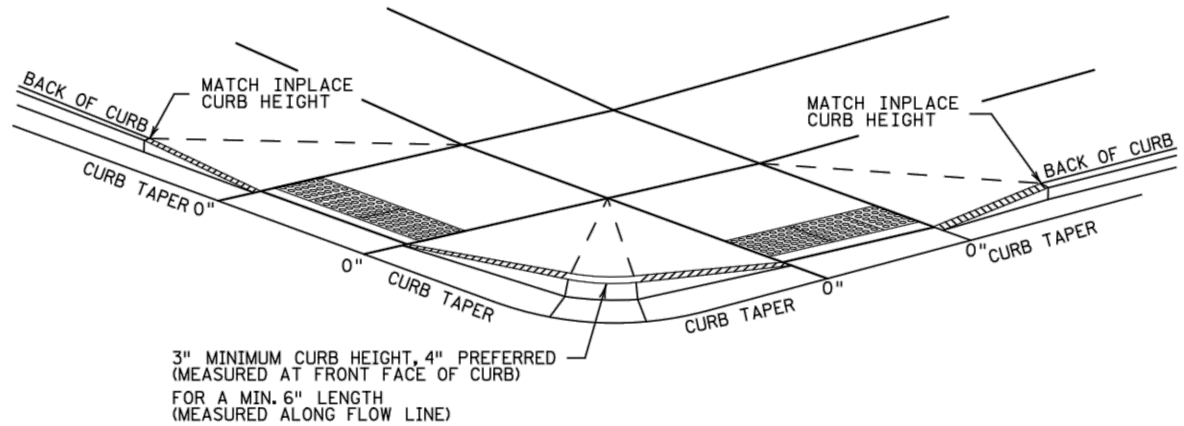


RETURNED CURB

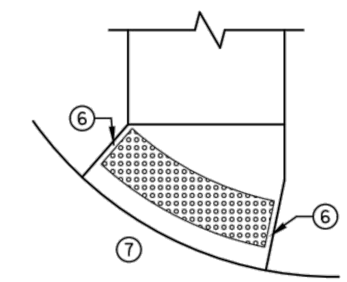


GRADED FLARES

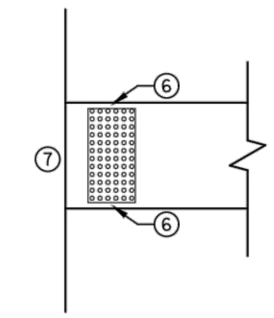
TYPICAL SIDE TREATMENT OPTIONS ⑤



DETECTABLE EDGE WITH
CURB AND GUTTER ⑧

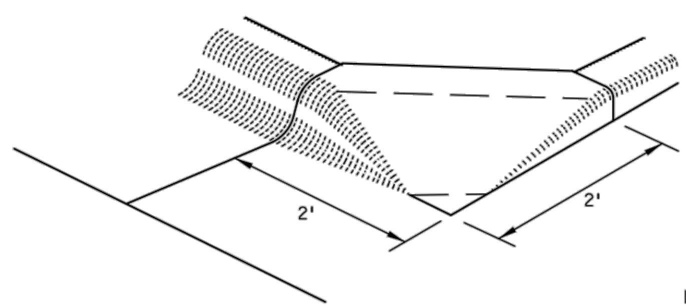


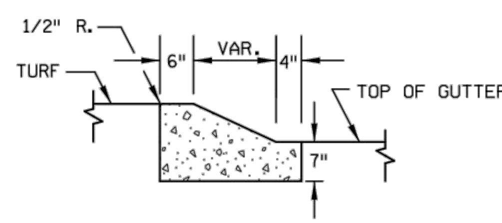
RADIAL DETECTABLE WARNING



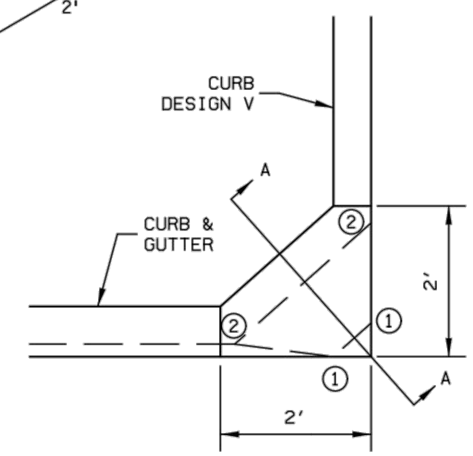
RECTANGULAR DETECTABLE WARNING

DETECTABLE EDGE WITHOUT CURB AND GUTTER





SECTION A-A



APPROACH NOSE DETAIL
FOR DOWNSTREAM SIDE OF TRAFFIC

NOTES:

SEE STANDARD PLATE 7038 AND THIS SHEET FOR ADDITIONAL DETAILS ON DETECTABLE WARNING.

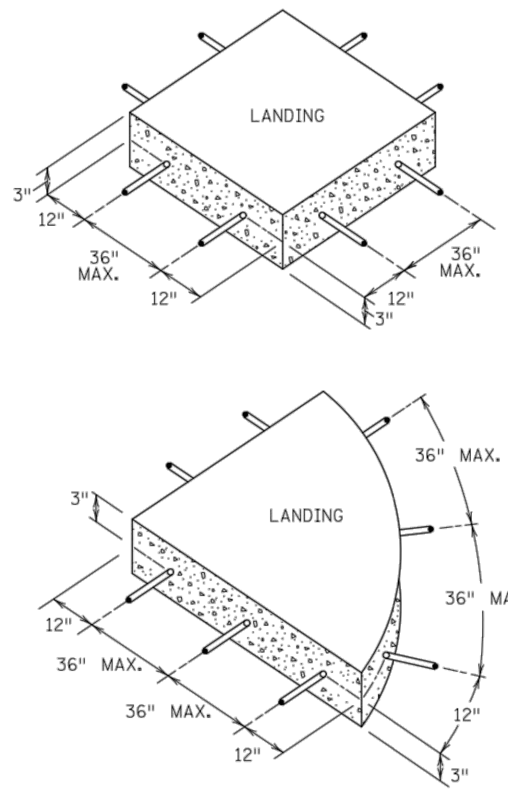
WHETHER A SURFACE IS WALKABLE OR NOT SHALL BE DETERMINED BY THE ENGINEER.

CONCRETE FLARE LENGTHS ADJACENT TO NON-WALKABLE SURFACES SHOULD BE LESS THAN 8' LONG MEASURED ALONG THE RAMPS FROM THE BACK OF CURB.

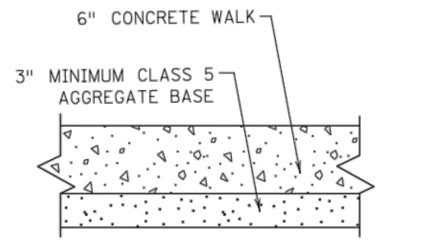
① 0" CURB HEIGHT.
② FULL CURB HEIGHT.
③ 2' - 3' FLARE.
④ IMMOVABLE OBJECT OR OBSTRUCTION.
⑤ SIDE TREATMENTS ARE APPLICABLE TO ALL RAMP TYPES AND SHOULD BE IMPLEMENTED AS NEEDED ON ALL RAMPS AS FIELD CONDITIONS DICTATE. THE ENGINEER SHALL DETERMINE THE RAMP SIDE TREATMENTS BASED ON MAINTENANCE OF BOTH ROADWAY AND SIDEWALK, ADJACENT PROPERTY CONSIDERATIONS, AND MITIGATING CONSTRUCTION IMPACTS.
⑥ WHEN NO CONCRETE FLARES ARE PROPOSED, THE CONCRETE WALK SHALL BE FORMED AND CONSTRUCTED PERPENDICULAR TO THE EDGE OF ROADWAY. MAINTAIN 3" BETWEEN EDGE OF DOMES AND EDGE OF CONCRETE.
⑦ IF NO CURB AND GUTTER IS PLACED IN RURAL SECTIONS, DETECTABLE WARNINGS SHALL BE PLACED 1' FROM THE EDGE OF ROADWAY TO PROVIDE VISUAL CONTRAST.
⑧ ALL CONSTRUCTED CURBS MUST HAVE A CONTINUOUS DETECTABLE EDGE FOR THE VISUALLY IMPAIRED. THIS DETECTABLE EDGE REQUIRES DETECTABLE WARNINGS WHEREVER THERE IS ZERO-INCH HIGH CURB. CURB TAPERS ARE CONSIDERED A DETECTABLE EDGE WHEN THE TAPER STARTS WITHIN 3" OF THE EDGE OF THE DETECTABLE WARNINGS AND UNIFORMLY RISES TO A 3-INCH MINIMUM CURB HEIGHT. ANY CURB NOT PART OF A CURB TAPER AND LESS THAN 3 INCHES IN HEIGHT IS NOT CONSIDERED A DETECTABLE EDGE AND THEREFORE IS NOT COMPLIANT WITH ACCESSIBILITY STANDARDS.

REVISION:	
APPROVED: 8-6-2014	OPERATIONS ENGINEER

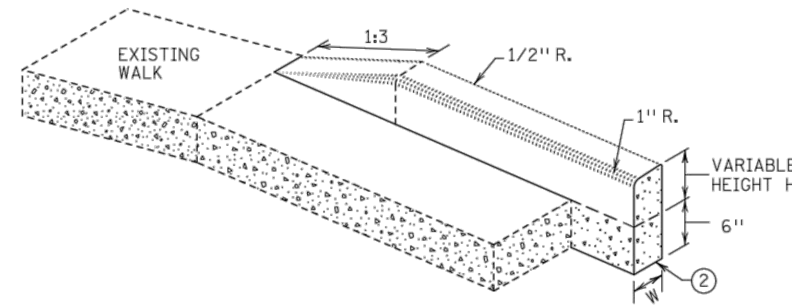
MINNESOTA DEPARTMENT OF TRANSPORTATION — STATE DESIGN ENGINEER	REVISED:	PEDESTRIAN CURB RAMP DETAILS
	APPROVED: 8-6-2014	STANDARD PLAN 5-297.250 — 4 OF 5



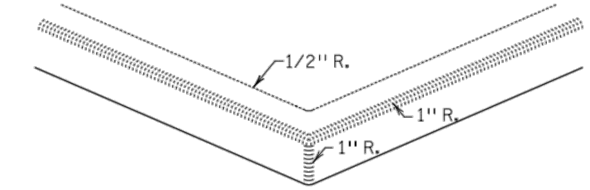
SIDEWALK REINFORCEMENT ⑥ ⑦



TYPICAL SIDEWALK SECTION
WITHIN INTERSECTION CORNER

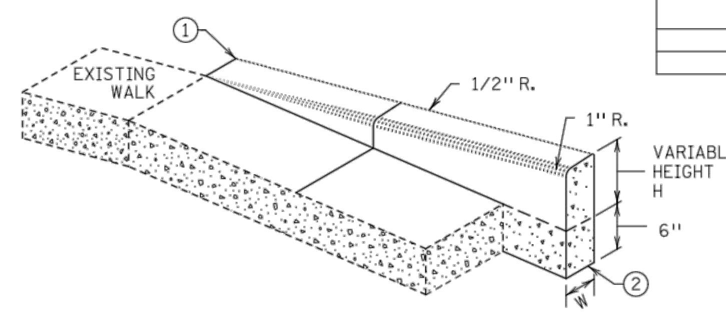


V CURB ADJACENT TO LANDSCAPE
CURB WITHIN SIDEWALK LIMITS

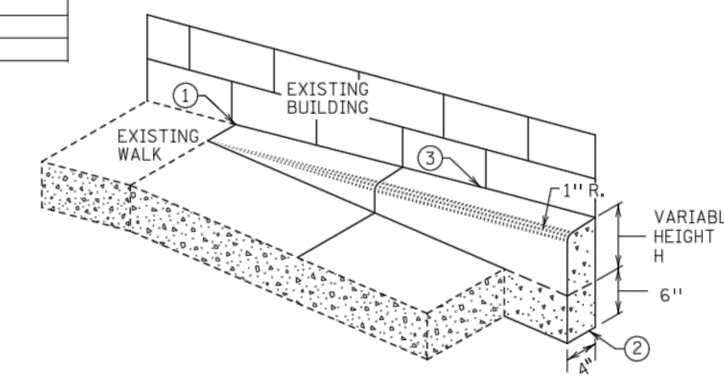


V CURB INTERSECTION

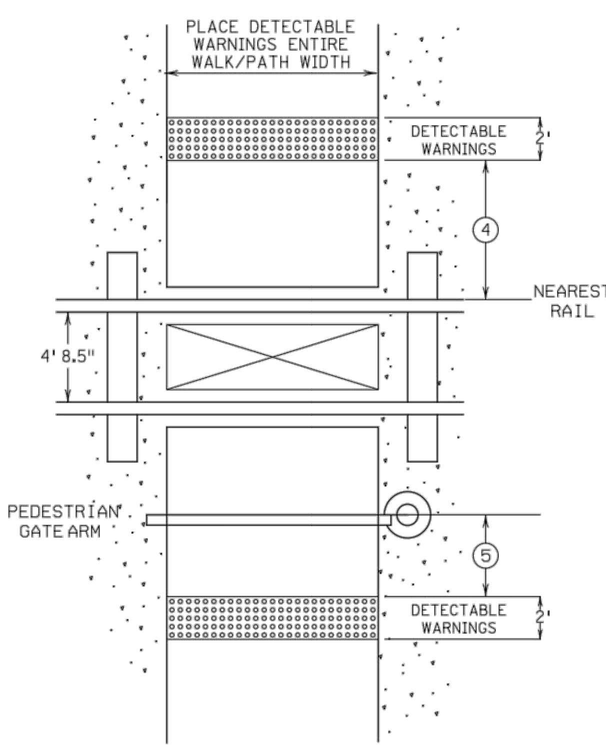
CONCRETE CURB DESIGN V	
CURB HEIGHT H	CURB WIDTH W
< 6"	4"
≥ 6"	6"



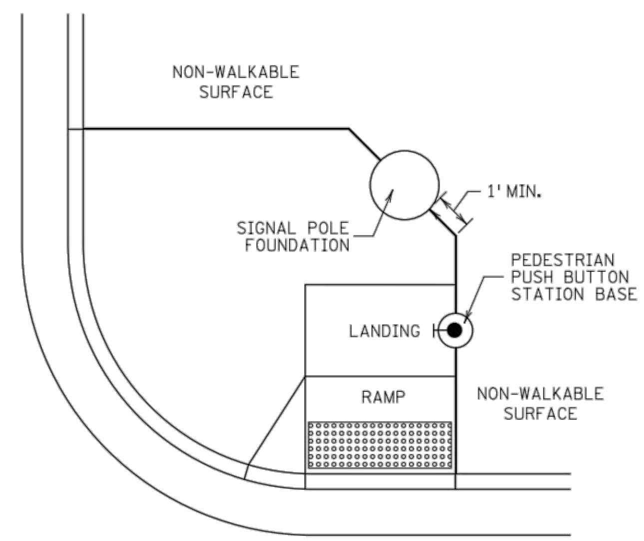
V CURB ADJACENT TO LANDSCAPE
CURB OUTSIDE SIDEWALK LIMITS



V CURB ADJACENT TO BUILDING
OR BARRIER



RAILROAD CROSSING
PLAN VIEW



CONCRETE WALK EDGES ADJACENT
TO CONCRETE STRUCTURES

NOTES:

ALL V CURB CONTRACTION JOINTS SHALL MATCH CONCRETE WALK JOINTS.

WHERE RIGHT-OF-WAY ALLOWS, USE OF V CURB SHOULD BE MINIMIZED. GRADING ADJACENT TURF OR SLOPING ADJACENT PAVEMENT IS PREFERRED.

V CURB SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS.

V CURB NEXT TO BUILDING SHALL BE A 4" WIDTH AND SHALL MATCH PREVIOUS TOP OF SIDEWALK ELEVATIONS.

1. END TAPERS AT TRANSITION SECTION SHALL MATCH INPLACE SIDEWALK GRADES.
2. ALL V CURB SHALL MATCH BOTTOM OF ADJACENT WALK.
3. EDGE BETWEEN NEW V CURB AND INPLACE STRUCTURE SHALL BE SEALED AND BOND BREAKER SHALL BE USED BETWEEN EXISTING STRUCTURE AND PLACED V-CURB.
4. NEAREST EDGE OF DETECTABLE WARNING SURFACES SHALL BE PLACED 12' MINIMUM TO 15' MAXIMUM FROM THE NEAREST RAIL. FOR SKEWED RAILWAYS IN NO INSTANCE SHALL THE DETECTABLE WARNING BE CLOSER THAN 12' MEASURED PERPENDICULAR TO THE NEAREST RAIL.
5. WHEN PEDESTRIAN GATES ARE PROVIDED, DETECTABLE WARNING SURFACES SHALL BE PLACED ON THE SIDE OF THE GATES OPPOSITE THE RAIL, 2' FROM THE APPROACHING SIDE OF THE GATE ARM.
6. WHEN PLAN SPECIFIES, DRILL AND GROUT NO. 4 12" LONG REINFORCEMENT BARS AT 36" MAX. CENTER TO CENTER (EPOXY COATED).
7. TO ENSURE RAMPS AND LANDINGS ARE PROPERLY CONSTRUCTED, LANDINGS MAY BE CAST SEPARATELY. FOLLOW SIDEWALK REINFORCEMENT DETAILS ON THIS SHEET WHEN LANDINGS ARE CAST SEPARATELY.

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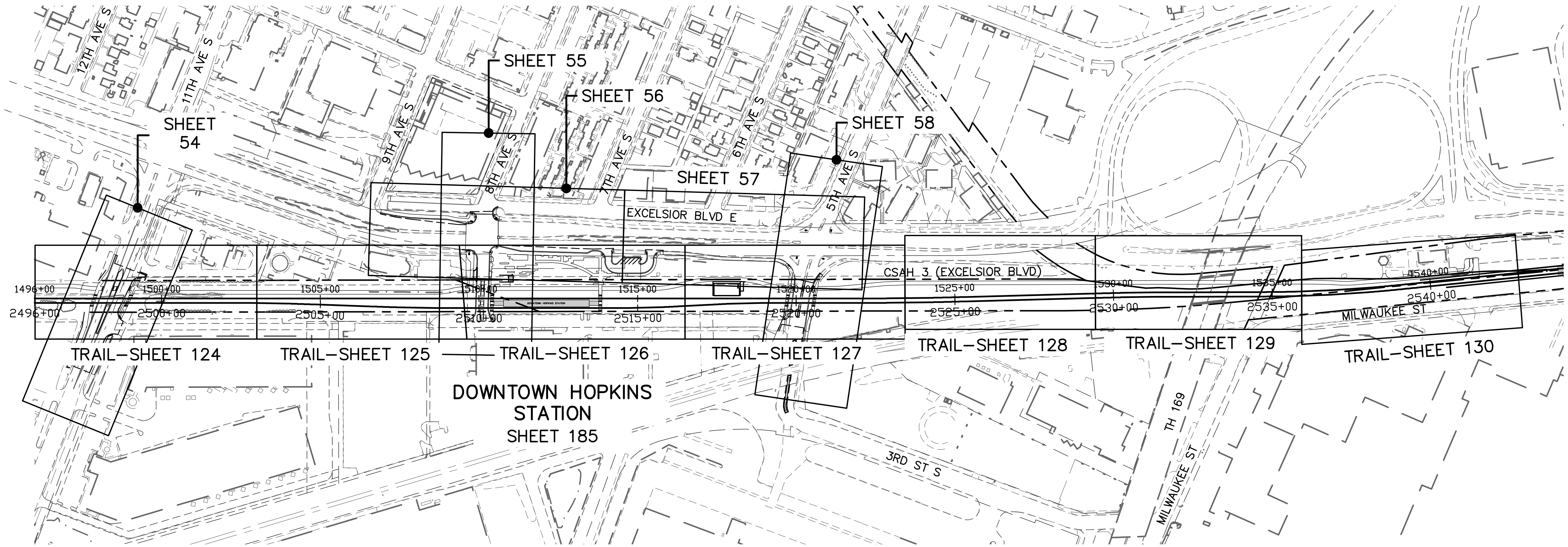
REVISION:
APPROVED: 2-9-2015
OPERATIONS ENGINEER

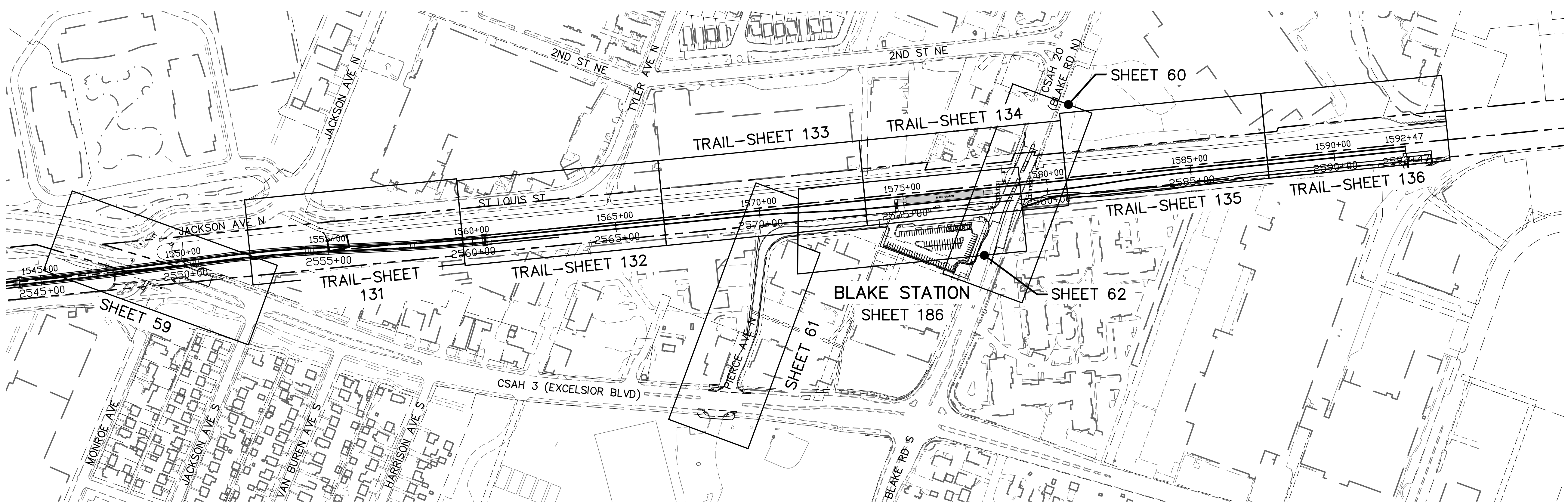
MINNESOTA DEPARTMENT OF TRANSPORTATION

REVISED:
APPROVED:
2-9-2015
STATE DESIGN ENGINEER

PEDESTRIAN CURB RAMP DETAILS

STANDARD PLAN 5-297.250 | 5 OF 5





Sep. 21 2015 05:32 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E1-CIV-IDX.dwg By: Wedgehr

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

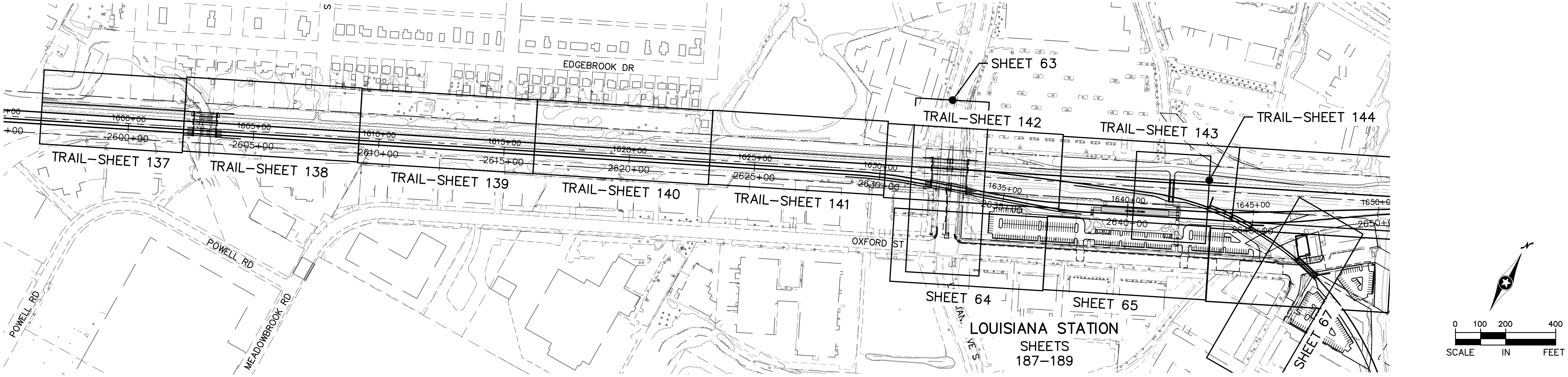
METROPOLITAN COUNCIL

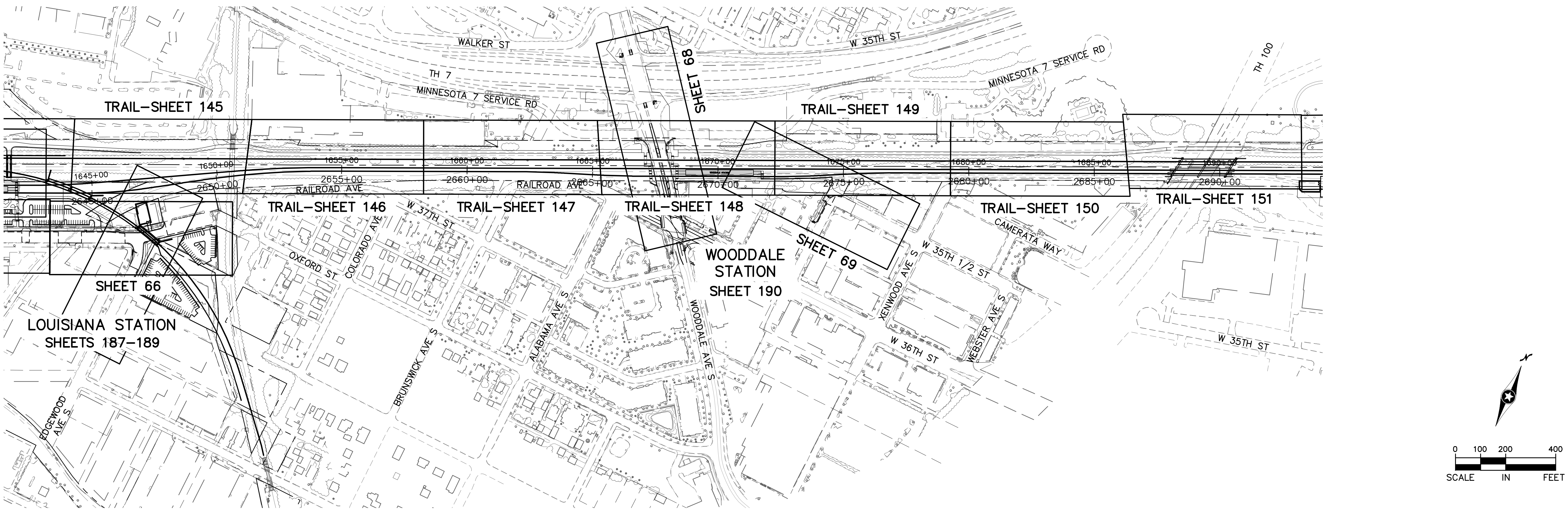
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CIVIL
PLAN SHEET LAYOUT
SHEET 1

DISCIPLINE: GENERAL

SHEET NAME: E1-CIV-IDX - 001





Sep. 21 2015 05:35 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-CIV-IDX.dwg By: Wedgehr

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

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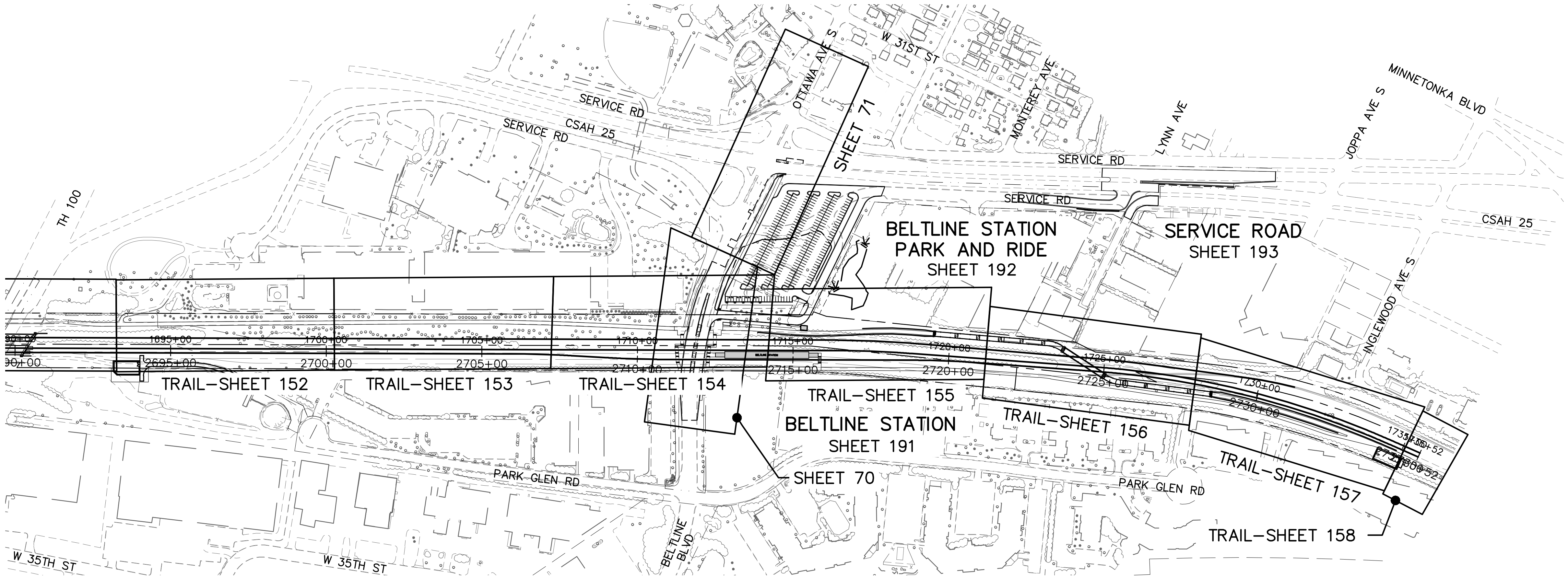
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CIVIL
PLAN SHEET LAYOUT
SHEET 2

DISCIPLINE: GENERAL

SHEET NAME: E2-CIV-IDX - 001



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SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

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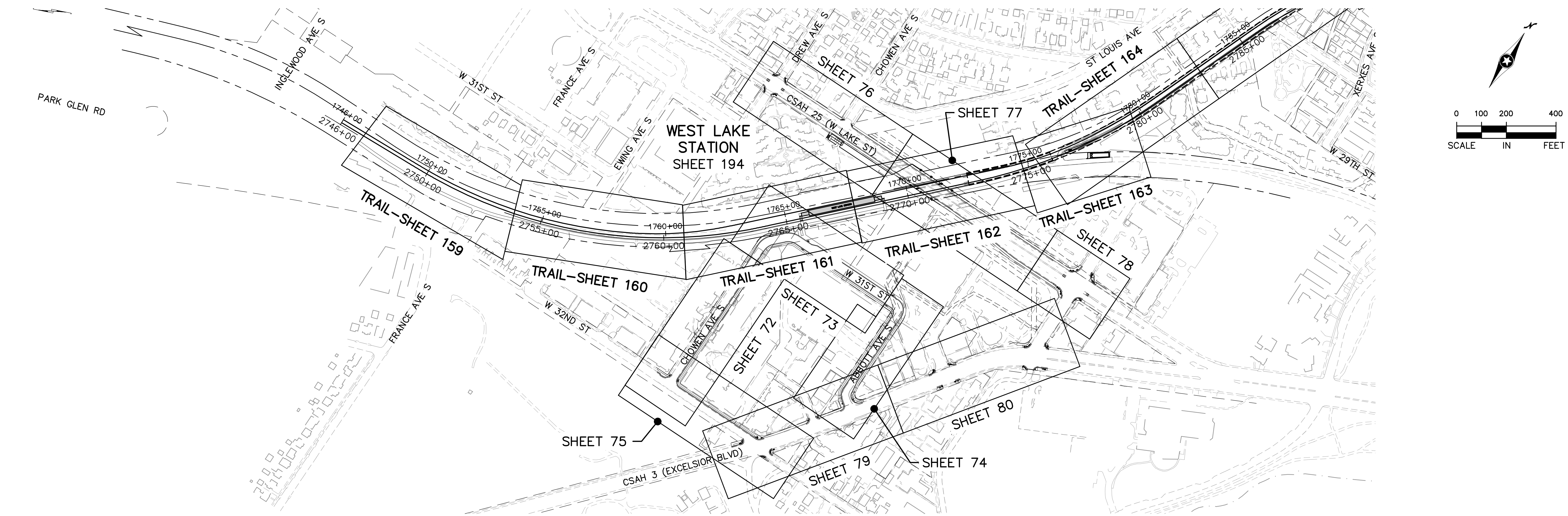
METROPOLITAN COUNCIL

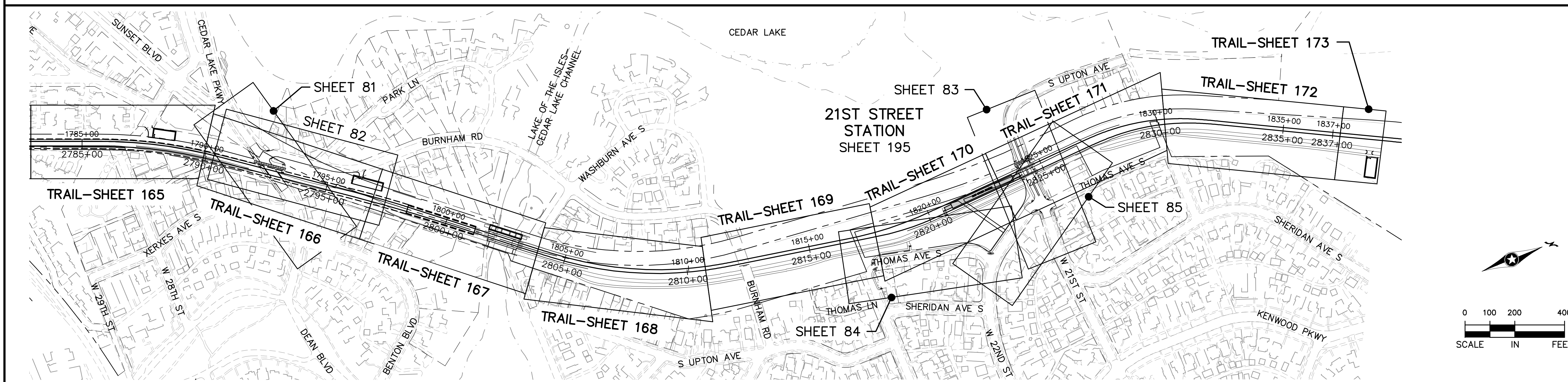
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CIVIL
PLAN SHEET LAYOUT
SHEET 3

DISCIPLINE: GENERAL

SHEET NAME: E2-CIV-IDX - 002





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CIVIL
PLAN SHEET LAYOUT
SHEET 4

DISCIPLINE: GENERAL

SHEET NAME: E3-CIV-IDX - 001

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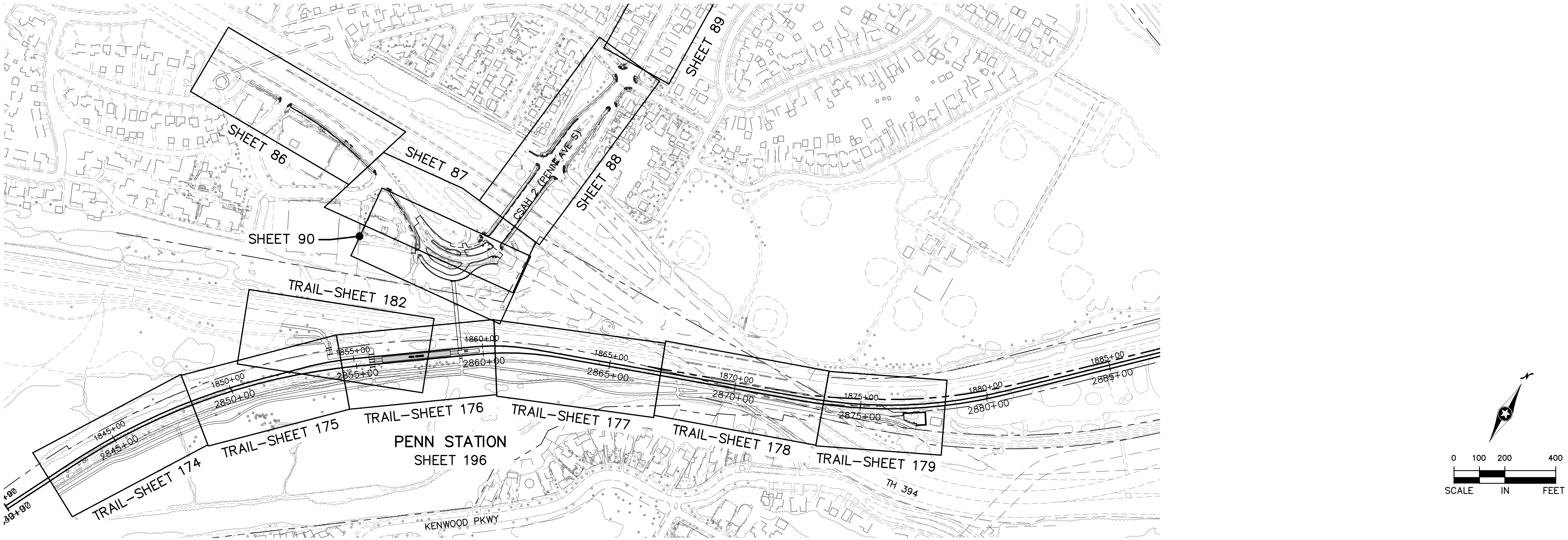

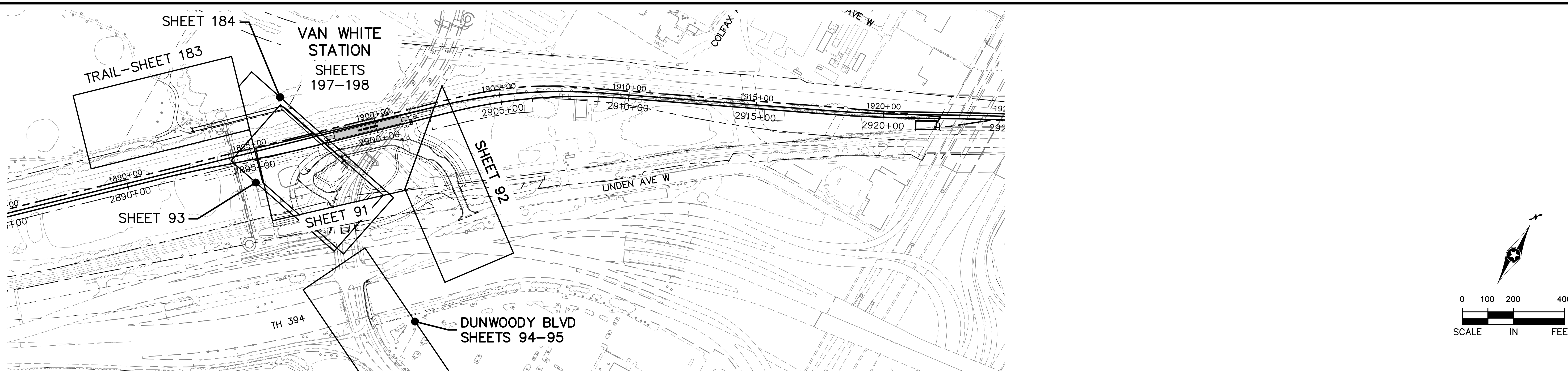

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CIVIL
PLAN SHEET LAYOUT
SHEET 5

DISCIPLINE: GENERAL

SHEET NAME: E4-CIV-IDX - 001

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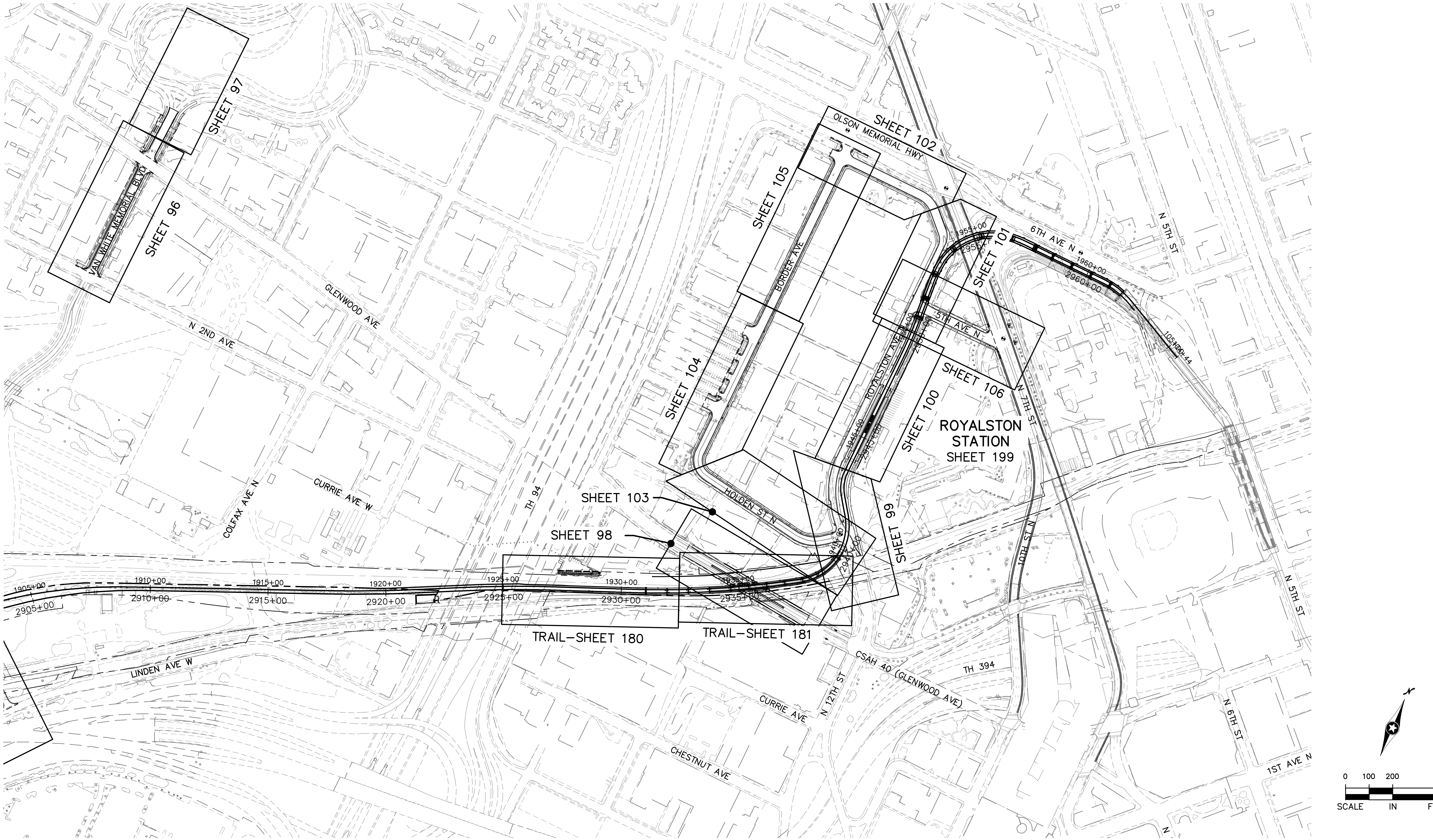

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CIVIL
PLAN SHEET LAYOUT
SHEET 6

DISCIPLINE: GENERAL

SHEET NAME: E4-CIV-IDX - 002

SHEET 17 OF 199

ALIGNMENT DATA
11TH AVE S

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L1	10+00.00	11+40.62							140.62	146326.24	491988.21	146466.81	491992.07	1°34'30"
C2	11+40.62	11+72.31	11+56.46		0°38'30"	2°01'28.51"	2830.00	15.85	31.69	146466.81	491992.07	146498.48	491993.12	1°34'30" 2°13'00"
L2	11+72.31	15+48.18							375.87	146498.48	491993.12	146874.07	492007.66	2°13'00"
C3	15+48.18	16+28.63	15+88.41		1°37'43"	2°01'28.51"	2830.00	40.23	80.45	146874.07	492007.66	146954.49	492009.63	2°13'00" 0°35'17"
L3	16+28.63	21+08.42							479.79	146954.49	492009.63	147434.25	492014.55	0°35'17"

ALIGNMENT DATA
8TH AVE S

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L4	1+00.00	3+46.22							246.22	147128.91	493134.79	147362.77	493057.76	341°46'07"
L5	3+46.22	4+37.84							91.61	147362.77	493057.76	147450.77	493032.26	343°50'27"
L6	4+37.84	4+99.43							61.60	147450.77	493032.26	147510.16	493015.92	344°37'01"
C4	4+99.43	5+27.08	5+13.37		17°47'56"	64°22'38.21"	89.00	13.94	27.65	147510.16	493015.92	147537.52	493012.81	344°37'01" 2°24'57"
L7	5+27.08	7+10.41							183.33	147537.52	493012.81	147720.69	493020.54	2°24'57"

ALIGNMENT DATA
WB CSAH 3 (EXCELSIOR BLVD)

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L14	194+94.13	196+74.19							180.05	147338.55	492482.12	147338.33	492662.17	90°04'10"
C10	196+74.19	198+84.03	197+80.01		18°19'39"	8°44'02.81"	656.00	105.82	209.84	147338.33	492662.17	147371.35	492868.49	90°04'10" 71°44'31"
L8	198+84.03	213+31.86							1447.83	147371.35	492868.49	147824.96	494243.43	71°44'31"
C5	213+31.86	214+21.05	213+76.46		1°47'01"	2°00'00.00"	2864.79	44.60	89.19	147824.96	494243.43	147854.21	494327.68	71°44'31" 69°57'30"
L9	214+21.05	217+47.82							326.78	147854.21	494327.68	147966.20	494634.67	69°57'30"
C6	217+47.82	219+40.77	218+44.31		1°55'46"	1°00'00.00"	5729.58	96.48	192.95	147966.20	494634.67	148029.26	494817.01	69°57'30" 71°53'16"
L10	219+40.77	221+70.94							230.17	148029.26	494817.01	148100.82	495035.78	71°53'16"
C7	221+70.94	227+81.35	224+77.62		13°44'03"	2°15'00.00"	2546.48	306.68	610.41	148100.82	495035.78	148357.97	495587.77	71°53'16" 58°09'12"
L11	227+81.35	228+28.54							47.19	148357.97	495587.77	148382.87	495627.85	58°09'12"
C8	228+28.54	231+45.82	229+87.44		7°55'56"	2°30'00.00"	2291.83	158.90	317.28	148382.87	495627.85	148531.12	495908.08	58°09'12" 66°05'08"
L12	231+45.82	232+12.94							67.12	148531.12	495908.08	148558.33	495969.43	66°05'08"
C9	232+12.94	239+08.31	235+65.95		24°20'17"	3°30'00.00"	1637.02	353.01	695.37	148558.33	495969.43	148698.82	496645.14	66°05'08" 90°25'25"
L13	239+08.31	247+58.42							850.10	148698.82	496645.14	148692.54	497495.22	90°25'25"
C11	247+58.42	254+79.42	251+21.35		16°13'21"	2°15'00.00"	2546.48	362.93	721.00	148692.54	497495.22	148788.67	498207.36	90°25'25" 74°12'04"
L15	254+79.42	265+00.83							1021.41	148788.67	498207.36	149066.76	499190.18	74°12'04"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROADWAY
ALIGNMENT TABULATIONS
SHEET 1

DISCIPLINE: CIVIL

SHEET NAME: E1-CIV-ALG - 001

ALIGNMENT DATA
EB CSAH 3 (EXCELSIOR BLVD)

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L16	100+00.00	122+13.60							2213.60	147367.80	492991.78	148061.32	495093.94	71°44'31"
C12	122+13.60	127+47.64	124+81.83		13°21'03"	2°30'00.00"	2291.83	268.23	534.03	148061.32	495093.94	148285.94	495577.11	71°44'31" 58°23'28"
L17	127+47.64	129+00.87							153.23	148285.94	495577.11	148366.25	495707.61	58°23'28"
C13	129+00.87	131+11.78	130+06.49		7°54'33"	3°45'00.00"	1527.89	105.62	210.91	148366.25	495707.61	148464.07	495894.28	58°23'28" 66°18'01"
L18	131+11.78	131+57.62							45.84	148464.07	495894.28	148482.49	495936.25	66°18'01"
C14	131+57.62	138+87.91	135+28.08		23°44'04"	3°15'00.00"	1762.95	370.46	730.29	148482.49	495936.25	148631.17	496645.92	66°18'01" 90°02'05"
L19	138+87.91	146+57.82							769.91	148631.17	496645.92	148630.70	497415.83	90°02'05"
C15	146+57.82	154+49.51	150+56.20		15°50'02"	2°00'00.00"	2864.79	398.38	791.69	148630.70	497415.83	148738.92	498197.55	90°02'05" 74°12'04"
L20	154+49.51	160+02.55							553.04	148738.92	498197.55	148889.50	498729.70	74°12'04"
C16	160+02.55	161+73.94	160+88.27		3°16'24"	1°54'35.49"	3000.00	85.72	171.39	148889.50	498729.70	148931.43	498895.86	74°12'04" 77°28'27"
L21	161+73.94	162+38.19							64.25	148931.43	498895.86	148945.36	498958.58	77°28'27"
C17	162+38.19	163+48.19	162+93.21		3°09'05"	2°51'53.24"	2000.00	55.01	110.00	148945.36	498958.58	148972.16	499065.25	77°28'27" 74°19'23"
L22	163+48.19	164+94.13							145.94	148972.16	499065.25	149011.59	499205.76	74°19'23"

ALIGNMENT DATA
5TH AVE S

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L23	10+00.00	12+35.55							235.55	147268.82	494108.45	147499.66	494061.59	348°31'29"
C19	12+35.55	13+50.89	12+93.24		3°39'25"	3°10'13.13"	1807.26	57.69	115.35	147499.66	494061.59	147613.36	494042.26	348°31'29" 352°10'54"
C18	13+50.89	14+38.35	13+94.73		9°59'32"	11°25'29.57"	501.50	43.84	87.46	147613.36	494042.26	147700.60	494037.96	352°10'54" 2°10'26"
L24	14+38.35	18+56.36							418.01	147700.60	494037.96	148118.31	494053.82	2°10'26"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROADWAY
ALIGNMENT TABULATIONS
SHEET 2

DISCIPLINE: CIVIL

SHEET NAME: E1-CIV-ALG - 002

ALIGNMENT DATA
CSAH 20 (BLAKE RD)

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L25	10+00.00	12+84.09							284.09	149436.26	499407.21	149720.35	499409.40	0°26'25"
C20	12+84.09	13+54.62	13+19.38		5°04'37"	7°11'52.66"	796.00	35.29	70.53	149720.35	499409.40	149790.81	499406.82	0°26'25" 355°21'48"
C21	13+54.62	14+81.80	14+18.35		9°09'14"	7°11'52.66"	796.00	63.72	127.17	149790.81	499406.82	149917.85	499406.68	355°21'48" 4°31'03"
L26	14+81.80	15+69.02							87.22	149917.85	499406.68	150004.80	499413.55	4°31'03"
C22	15+69.02	16+84.08	16+26.65		8°16'57"	7°11'52.66"	796.00	57.63	115.07	150004.80	499413.55	150119.76	499414.31	4°31'03" 356°14'06"
C23	16+84.08	17+42.08	17+13.09		4°10'28"	7°11'52.66"	796.00	29.01	58.00	150119.76	499414.31	150177.72	499412.61	356°14'06" 0°24'34"
L27	17+42.08	22+69.89							527.81	150177.72	499412.61	150705.52	499416.38	0°24'34"

ALIGNMENT DATA
PIERCE AVE N, ACCESS RD

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L28	10+00.00	10+93.76							93.76	148907.93	498715.28	149001.65	498717.79	1°31'43"
C26	10+93.76	11+68.75	11+31.29		6°19'08"	8°25'33.06"	680.00	37.53	74.99	149001.65	498717.79	149076.36	498723.91	1°31'43" 7°50'51"
C25	11+68.75	13+02.32	12+36.30		21°08'28"	15°49'39.23"	362.00	67.55	133.57	149076.36	498723.91	149209.02	498717.60	7°50'51" 346°42'23"
L29	13+02.32	15+34.45							232.13	149209.02	498717.60	149434.94	498664.22	346°42'23"
C24	15+34.45	16+68.26	16+16.67		84°05'35"	62°50'49.14"	91.17	82.22	133.81	149434.94	498664.22	149542.00	498722.97	346°42'23" 70°47'58"
L31	16+68.26	17+33.65							65.39	149542.00	498722.97	149563.50	498784.72	70°47'58"
C27	17+33.65	17+50.42	17+42.04		6°24'24"	38°11'49.87"	150.00	8.39	16.77	149563.50	498784.72	149569.89	498800.22	70°47'58" 64°23'34"
L30	17+50.42	24+20.22							669.80	149569.89	498800.22	149859.37	499404.22	64°23'34"

ALIGNMENT DATA
LOUISIANA AVE S

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L32	10+00.00	14+50.00							450.00	151920.45	504158.67	152326.05	503963.77	334°20'06"

ALIGNMENT DATA
WOODDALE AVE S

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L33	9+00.00	12+97.75							397.75	153410.74	507401.87	153719.84	507151.55	320°59'51"
C28	12+97.75	13+72.84	13+35.30		2°09'04"	2°51'53.24"	2000.00	37.55	75.09	153719.84	507151.55	153777.29	507103.20	320°59'51" 318°50'47"
L34	13+72.84	21+14.23							741.39	153777.29	507103.20	154335.52	506615.31	318°50'47"

ALIGNMENT DATA
BELTLINE BLVD

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
C30	110+00.00	110+71.60	110+35.83		5°51'39"	8°11'06.40"	700.00	35.83	71.60	155154.51	511345.69	155220.26	511317.41	339°39'33" 333°47'55"
L35	110+71.60	112+52.65							181.05	155220.26	511317.41	155382.70	511237.47	333°47'55"
C29	112+52.65	118+59.86	115+62.17		27°23'39"	4°30'41.32"	1270.00	309.52	607.21	155382.70	511237.47	155969.87	511107.25	333°47'55" 1°11'33"
L36	118+59.86	121+37.53							277.68	155969.87	511107.25	156247.49	511113.03	1°11'33"

ALIGNMENT DATA
CHOWEN AVE S, W 31ST ST, ABBOTT AVE S

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L37	3+35.00	10+00.80							665.80	156121.72	515079.20	156787.45	515088.71	0°49'08"
C31	10+00.80	10+62.81	10+33.46		44°24'46"	71°37'11.01"	80.00	32.66	62.01	156787.45	515088.71	156843.10	515112.36	0°49'08" 45°13'54"
L38	10+62.81	11+09.07							46.26	156843.10	515112.36	156875.68	515145.21	45°13'54"
C33	11+09.07	11+72.44	11+42.52		45°23'02"	71°37'11.01"	80.00	33.45	63.37	156875.68	515145.21	156898.88	515202.41	45°13'54" 90°36'56"
L39	11+72.44	16+28.53							456.09	156898.88	515202.41	156893.98	515658.47	90°36'56"
C32	16+28.53	16+96.37	16+71.83		90°23'34"	133°14'00.81"	43.00	43.30	67.85	156893.98	515658.47	156850.22	515701.01	90°36'56" 181°00'30"
L40	16+96.37	20+47.06							350.68	156850.22	515701.01	156499.59	515694.83	181°00'30"
C34	20+47.06	20+85.31	20+67.79		54°47'57"	143°14'22.02"	40.00	20.73	38.26	156499.59	515694.83	156466.61	515711.20	181°00'30" 126°12'33"
L41	20+85.31	21+46.34							61.03	156466.61	515711.20	156430.56	515760.44	126°12'33"

ALIGNMENT DATA
W 32ND ST

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L42	32+00.00	37+25.55							525.55	156122.47	514996.09	156117.68	515521.61	90°31'22"

ALIGNMENT DATA
EB CSAH 25 (W LAKE ST)

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L43	0+00.00	9+00.42							900.42	157355.44	514749.74	157351.24	515650.15	90°16'03"
C35	9+00.42	9+51.94	9+26.18		3°16'48"	6°21'58.31"	900.00	25.77	51.52	157351.24	515650.15	157349.52	515701.64	90°16'03" 93°32'52"
L44	9+51.94	11+35.33							183.39	157349.52	515701.64	157338.18	515884.67	93°32'52"
C36	11+35.33	11+89.34	11+62.34		3°26'20"	6°21'58.31"	900.00	27.02	54.02	157338.18	515884.67	157336.45	515938.66	93°32'52" 90°06'32"
L45	11+89.34	16+00.01							410.67	157336.45	515938.66	157335.67	516349.32	90°06'32"

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROADWAY
ALIGNMENT TABULATIONS
SHEET 5

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-ALG - 001

ALIGNMENT DATA
CSAH 3 (EXCELSIOR BLVD)

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L46	20+00.00	21+00.83							100.83	156014.84	515428.25	156089.32	515496.22	42°23'07"
C37	21+00.83	23+16.42	22+08.73		6°10'34"	2°51'53.24"	2000.00	107.90	215.59	156089.32	515496.22	156256.07	515632.69	42°23'07" 36°12'33"
L47	23+16.42	30+68.03							751.61	156256.07	515632.69	156862.52	516076.70	36°12'33"
C38	30+68.03	33+49.65	32+11.72		28°03'45"	9°57'52.14"	575.00	143.70	281.63	156862.52	516076.70	157040.85	516291.03	36°12'33" 64°16'18"
L48	33+49.65	38+41.86							492.21	157040.85	516291.03	157254.52	516734.44	64°16'18"

ALIGNMENT DATA
CEDAR LAKE PKWY

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L49	40+00.00	42+49.15							249.15	159183.82	515871.33	159143.14	516117.13	99°23'51"
C39	42+49.15	45+42.73	43+97.98		23°12'06"	7°54'10.32"	725.00	148.83	293.59	159143.14	516117.13	159154.35	516408.50	99°23'51" 76°11'44"
L50	45+42.73	48+62.60							319.86	159154.35	516408.50	159230.67	516719.12	76°11'44"
C40	48+62.60	51+65.90	50+24.51		49°39'04"	16°22'12.80"	350.00	161.91	303.30	159230.67	516719.12	159174.49	517007.60	76°11'44" 125°50'48"
L51	51+65.90	52+58.25							92.35	159174.49	517007.60	159120.40	517082.46	125°50'48"

ALIGNMENT DATA
BURNHAM RD

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L52	147+00.00	147+26.50							26.50	159196.74	516581.00	159222.48	516574.68	346°11'44"
C41	147+26.50	147+73.41	147+51.62		50°42'26"	108°06'18.88"	53.00	25.11	46.91	159222.48	516574.68	159266.95	516583.77	346°11'44" 36°54'11"
L53	147+73.41	149+81.49							208.08	159266.95	516583.77	159433.34	516708.71	36°54'11"
C42	149+81.49	151+62.52	150+75.30		37°02'37"	20°27'46.00"	280.00	93.81	181.03	159433.34	516708.71	159602.16	516764.81	36°54'11" 359°51'34"
L54	151+62.52	152+92.10							129.58	159602.16	516764.81	159731.73	516764.49	359°51'34"

ALIGNMENT DATA
W 21ST STREET

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L55	10+00.00	10+52.65							52.65	162186.74	517486.78	162134.17	517489.73	176°47'04"
C43	10+52.65	12+16.39	11+53.96		85°17'06"	52°05'13.46"	110.00	101.30	163.74	162134.17	517489.73	162030.38	517596.68	176°47'04" 91°29'58"
L57	12+16.39	13+49.04							132.65	162030.38	517596.68	162026.91	517729.28	91°29'58"
C44	13+49.04	13+78.96	13+64.01		5°46'23"	19°17'29.43"	297.00	14.98	29.93	162026.91	517729.28	162027.63	517759.18	91°29'58" 85°43'35"
L58	13+78.96	15+21.28							142.32	162027.63	517759.18	162038.24	517901.11	85°43'35"
C45	15+21.28	15+66.61	15+43.99		8°39'25"	19°05'54.94"	300.00	22.71	45.33	162038.24	517901.11	162038.19	517946.39	85°43'35" 94°23'00"
L56	15+66.61	17+18.01							151.40	162038.19	517946.39	162026.62	518097.35	94°23'00"

ALIGNMENT DATA
THOMAS AVE S

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L59	20+00.00	21+08.01							108.01	161279.22	518039.35	161279.39	517931.34	270°05'18"
C46	21+08.01	21+66.65	21+46.88		96°00'36"	163°42'08.02"	35.00	38.88	58.65	161279.39	517931.34	161318.11	517896.59	270°05'18" 6°05'54"
L60	21+66.65	22+38.62							71.97	161318.11	517896.59	161389.67	517904.24	6°05'54"
C47	22+38.62	22+51.39	22+45.02		7°18'55"	57°17'44.81"	100.00	6.39	12.77	161389.67	517904.24	161402.25	517906.40	6°05'54" 13°24'49"
L61	22+51.39	25+38.93							287.54	161402.25	517906.40	161681.94	517973.10	13°24'49"
C48	25+38.93	26+21.40	25+82.96		49°44'21"	60°18'40.85"	95.00	44.04	82.47	161681.94	517973.10	161744.66	518022.61	13°24'49" 63°09'10"
L62	26+21.40	26+67.59							46.20	161744.66	518022.61	161765.52	518063.83	63°09'10"

ALIGNMENT DATA
W 22ND ST

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L64	19+29.24	19+46.80							17.56	161703.15	518167.47	161709.75	518151.20	292°04'29"
C49	19+46.80	21+20.54	20+36.47		34°55'44"	20°06'13.62"	285.00	89.67	173.74	161709.75	518151.20	161818.65	518019.27	292°04'29" 327°00'13"
L63	21+20.54	23+06.15							185.60	161818.65	518019.27	161974.32	517918.20	327°00'13"
C50	23+06.15	23+27.86	23+17.26		30°20'43"	139°44'44.89"	41.00	11.12	21.71	161974.32	517918.20	161994.75	517911.63	327°00'13" 357°20'55"
L65	23+27.86	23+71.91							44.05	161994.75	517911.63	162038.75	517909.59	357°20'55"

ALIGNMENT DATA
THOMAS AVE S (2)

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L66	10+00.00	11+45.26							145.26	162183.53	517919.49	162038.91	517933.18	174°35'42"

ALIGNMENT DATA
S WAYZATA BLVD, CSAH 2 (PENN AVE S)

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L69	1+00.00	4+36.83							336.83	165179.86	517993.76	165172.20	518330.50	91°18'07"
C53	4+36.83	9+85.83	7+15.83		25°09'52"	4°35'01.18"	1250.00	279.00	549.00	165172.20	518330.50	165041.52	518859.19	91°18'07" 116°27'59"
L68	9+85.83	11+41.03							155.20	165041.52	518859.19	164972.35	518998.13	116°27'59"
C52	11+41.03	12+25.84	11+84.02		23°01'51"	27°09'15.83"	211.00	42.99	84.81	164972.35	518998.13	164950.62	519079.52	116°27'59" 93°26'08"
C51	12+25.84	14+84.18	13+86.59		86°16'06"	33°23'36.83"	171.58	160.75	258.34	164950.62	519079.52	165100.48	519260.04	93°26'08" 7°10'01"
L67	14+84.18	18+01.94							317.76	165100.48	519260.04	165415.76	519299.68	7°10'01"
L70	18+01.94	18+66.09							64.15	165415.76	519299.68	165478.05	519315.04	13°51'01"
L71	18+66.09	19+85.98							119.88	165478.05	519315.04	165596.88	519330.83	7°34'16"
C54	19+85.98	20+18.63	20+02.32		6°14'12"	19°05'54.94"	300.00	16.34	32.65	165596.88	519330.83	165628.96	519336.89	7°34'16" 13°48'28"
L72	20+18.63	22+62.58							243.95	165628.96	519336.89	165865.86	519395.11	13°48'28"
C55	22+62.58	23+34.56	22+98.75		13°44'51"	19°05'54.94"	300.00	36.16	71.98	165865.86	519395.11	165937.14	519403.78	13°48'28" 0°03'37"
L73	23+34.56	31+59.79							825.23	165937.14	519403.78	166762.37	519404.65	0°03'37"

ALIGNMENT DATA
PENN STATION PASSENGER DROP-OFF

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L74	0+00.00	0+69.39							69.39	164979.68	518984.53	164919.66	519019.36	149°52'37"
C56	0+69.39	1+66.00	1+23.36		63°37'28"	65°51'25.98"	87.00	53.97	96.61	164919.66	519019.36	164876.51	519100.29	149°52'37" 86°15'09"
L76	1+66.00	2+12.73							46.73	164876.51	519100.29	164879.57	519146.93	86°15'09"
C57	2+12.73	2+95.95	2+63.74		83°39'14"	100°31'08.08"	57.00	51.01	83.22	164879.57	519146.93	164933.86	519200.14	86°15'09" 2°35'56"
L75	2+95.95	3+54.94							58.99	164933.86	519200.14	164992.79	519202.82	2°35'56"

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROADWAY
ALIGNMENT TABULATIONS
SHEET 8

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-ALG - 001

ALIGNMENT DATA
VAN WHITE STATION ACCESS

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L77	0+00.00	0+37.62							37.62	166512.77	522577.94	166550.31	522580.38	3°43'27"
C58	0+37.62	1+91.68	1+18.70		44°08'01"	28°38'52.40"	200.00	81.08	154.06	166550.31	522580.38	166685.61	522645.77	3°43'27" 47°51'28"
L78	1+91.68	3+40.95							149.27	166685.61	522645.77	166785.77	522756.45	47°51'28"
C59	3+40.95	4+54.71	3+99.41		32°35'28"	28°38'52.40"	200.00	58.47	113.76	166785.77	522756.45	166834.70	522857.46	47°51'28" 80°26'56"
L79	4+54.71	5+14.36							59.65	166834.70	522857.46	166844.60	522916.28	80°26'56"
C60	5+14.36	6+79.23	6+01.80		47°13'54"	28°38'52.40"	200.00	87.44	164.87	166844.60	522916.28	166805.66	523071.72	80°26'56" 127°40'50"
L80	6+79.23	8+67.91							188.69	166805.66	523071.72	166690.32	523221.05	127°40'50"

ALIGNMENT DATA
POTENTIAL FUTURE ROADWAY CONNECTION

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L101	0+00.00	0+63.71							63.71	166443.18	522358.60	166485.93	522405.84	47°51'28"
C75	0+63.71	2+05.82	1+40.61		54°16'57"	38°11'49.87"	150.00	76.90	142.11	166485.93	522405.84	166521.35	522538.03	47°51'28" 102°08'25"
L102	2+05.82	2+51.20							45.38	166521.35	522538.03	166511.81	522582.40	102°08'25"
C76	2+51.20	3+24.55	2+88.06		14°00'35"	19°05'54.94"	300.00	36.86	73.36	166511.81	522582.40	166505.26	522655.28	102°08'25" 88°07'49"
L103	3+24.55	3+99.95							75.40	166505.26	522655.28	166507.72	522730.63	88°07'49"

ALIGNMENT DATA
DUNWOODY BLVD

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L81	10+00.00	11+18.76							118.76	166280.81	522911.81	166186.56	522984.07	142°31'21"
C61	11+18.76	14+14.14	12+71.05		34°23'52"	11°38'43.74"	492.00	152.29	295.37	166186.56	522984.07	166018.33	523221.46	142°31'21" 108°07'29"
C62	14+14.14	16+02.60	15+09.11		17°31'47"	9°18'04.55"	616.00	94.98	188.47	166018.33	523221.46	165987.80	523406.70	108°07'29" 90°35'42"
L82	14+14.14	14+14.14							0.00	166018.33	523221.46	166018.33	523221.46	108°07'29"
L83	16+02.60	20+61.24							458.64	165987.80	523406.70	165983.03	523865.31	90°35'42"

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CIVIL EAST - VOLUME 2
ROADWAY
ALIGNMENT TABULATIONS
SHEET 9

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-ALG - 002

ALIGNMENT DATA
VAN WHITE MEMORIAL BLVD

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
C63	724+91.00	725+30.82	725+10.94		7°36'19"	19°05'54.94"	300.00	19.94	39.82	168348.45	522709.15	168388.18	522707.01	353°06'48" 0°43'07"
L84	725+30.82	731+65.44							634.62	168388.18	522707.01	169022.75	522714.97	0°43'07"
C64	731+65.44	732+01.82	731+83.64		4°10'07"	11°27'32.96"	500.00	18.20	36.38	169022.75	522714.97	169059.08	522716.75	0°43'07" 4°53'14"
C65	732+01.82	732+24.47	732+13.15		2°35'44"	11°27'32.96"	500.00	11.33	22.65	169059.08	522716.75	169081.68	522718.17	4°53'14" 2°17'30"
L85	732+24.47	735+67.34							342.87	169081.68	522718.17	169424.28	522731.88	2°17'30"

ALIGNMENT DATA
CSAH 40 (GLENWOOD AVE)

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L86	0+00.00	1+77.56							177.56	168678.71	524992.17	168624.02	525161.09	107°56'28"
C66	1+77.56	4+93.46	3+36.21		13°12'42"	4°10'55.83"	1370.00	158.66	315.90	168624.02	525161.09	168562.06	525470.15	107°56'28" 94°43'46"
L88	4+93.46	10+10.29							516.83	168562.06	525470.15	168519.45	525985.22	94°43'46"
C67	10+10.29	14+34.89	12+22.71		4°38'02"	1°05'28.85"	5250.00	212.41	424.60	168519.45	525985.22	168501.58	526409.33	94°43'46" 90°05'44"
L87	14+34.89	14+74.15							39.27	168501.58	526409.33	168501.52	526448.59	90°05'44"

ALIGNMENT DATA
ROYALSTON AVE N

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L104	0+00.08	0+65.54							65.45	168812.30	526179.96	168863.04	526138.62	320°49'57"
C77	0+65.54	1+50.26	1+08.43		22°03'54"	26°02'36.73"	220.00	42.89	84.72	168863.04	526138.62	168916.94	526073.93	320°49'57" 298°46'02"
L105	1+50.26	1+62.99							12.73	168916.94	526073.93	168923.07	526062.77	298°46'02"
C78	1+62.99	2+71.39	2+18.32		28°13'50"	26°02'36.73"	220.00	55.32	108.40	168923.07	526062.77	168996.09	525984.14	298°46'02" 326°59'52"
L106	2+71.39	3+01.05							29.66	168996.09	525984.14	169020.96	525967.99	326°59'52"
C79	3+01.05	4+80.75	3+93.45		32°53'39"	18°18'19.30"	313.00	92.40	179.70	169020.96	525967.99	169190.85	525917.49	326°59'52" 359°53'31"
L107	4+80.75	12+45.96							765.21	169190.85	525917.49	169956.06	525916.04	359°53'31"
L108	12+45.96	13+13.57							67.62	169956.06	525916.04	170023.40	525909.92	354°48'03"
L109	13+13.57	14+87.19							173.62	170023.40	525909.92	170197.02	525909.59	359°53'31"
C80	14+87.19	15+47.18	15+18.89		45°49'23"	76°23'39.74"	75.00	31.70	59.98	170197.02	525909.59	170250.77	525886.75	359°53'31" 314°04'08"
L110	15+47.18	16+42.86							95.69	170250.77	525886.75	170317.32	525818.00	314°04'08"
C81	16+42.86	17+33.16	16+90.35		43°50'35"	48°33'20.68"	118.00	47.49	90.29	170317.32	525818.00	170350.54	525736.39	314°04'08" 270°13'33"
L111	17+33.16	21+54.06							420.90	170350.54	525736.39	170352.20	525315.50	270°13'33"

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROADWAY
ALIGNMENT TABULATIONS
SHEET 10

DISCIPLINE: CIVIL

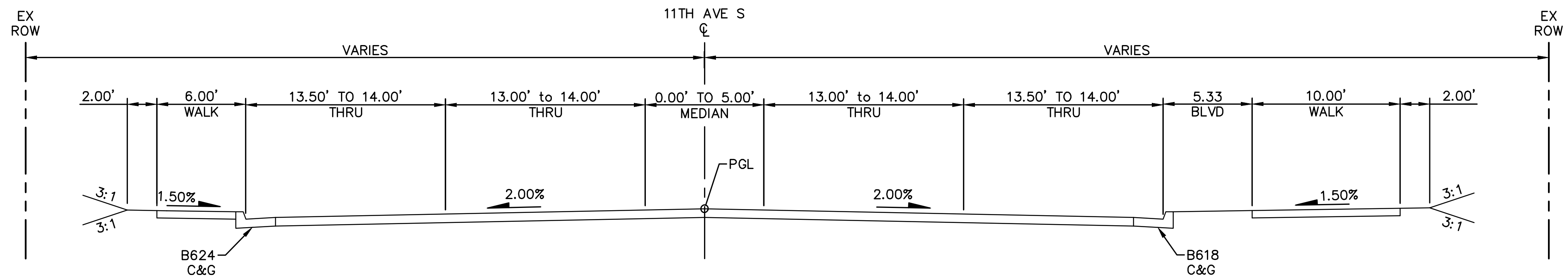
SHEET NAME: E4-CIV-ALG - 003

ALIGNMENT DATA
HOLDEN ST N, BORDER AVE

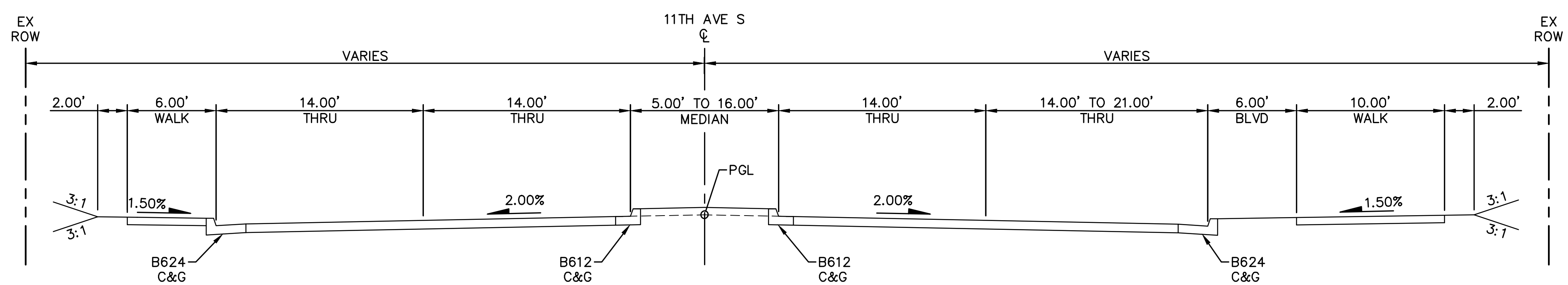
SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L99	53+76.60	54+99.67							123.07	168850.37	525999.50	168818.35	525884.21	254°28'26"
C74	59+52.15	60+66.82	60+21.85		82°07'46"	71°37'11.01"	80.00	69.70	114.67	168881.16	525436.12	168960.53	525367.22	277°58'45" 0°06'31"
C73	60+66.82	75+13.11	???		???	???	???	???	1446.28	168960.53	525367.22	170406.81	525369.96	??? ???

ALIGNMENT DATA
5TH AVE N

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L100	0+00.00	4+40.60							440.60	169922.02	525905.90	169924.91	526346.49	89°37'29"



11TH AVE S
STA. 12+50 TO STA. 13+73



11TH AVE S
STA. 13+73 TO STA. 16+00

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 1

DISCIPLINE: CIVIL

SHEET NAME: E1-CIV-TYP - 001

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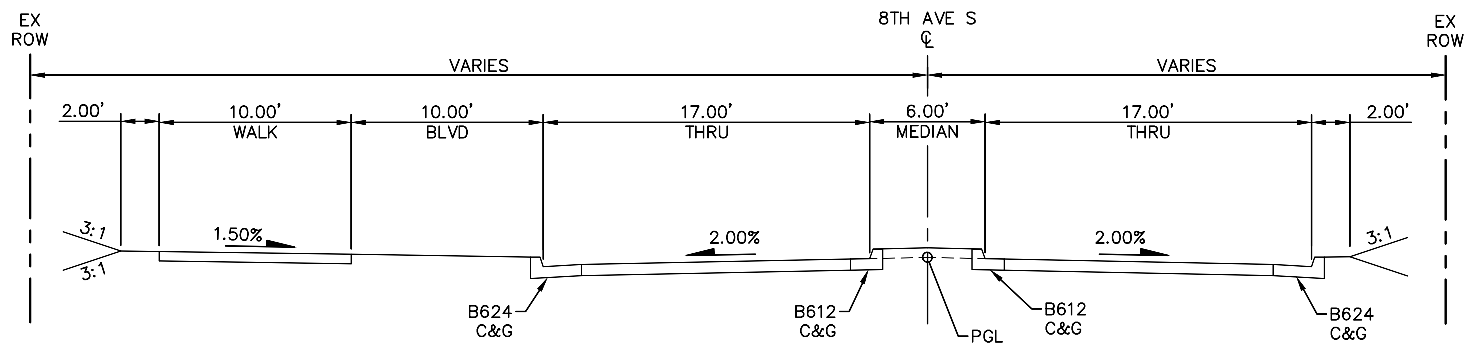
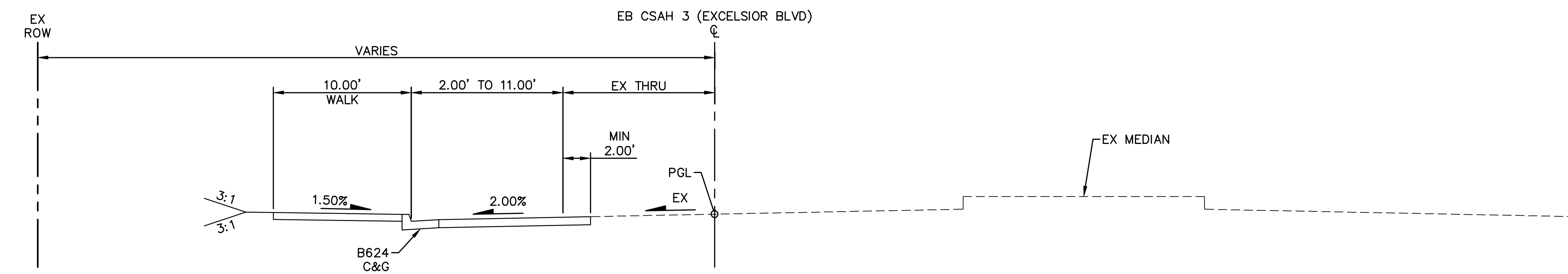


8TH AVE S
STA. 1+00 TO STA. 7+00



WB CSAH 3 (EXCELSIOR BLVD)
STA. 197+00 TO STA. 201+00

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60% SUBMISSION - 09/28/15

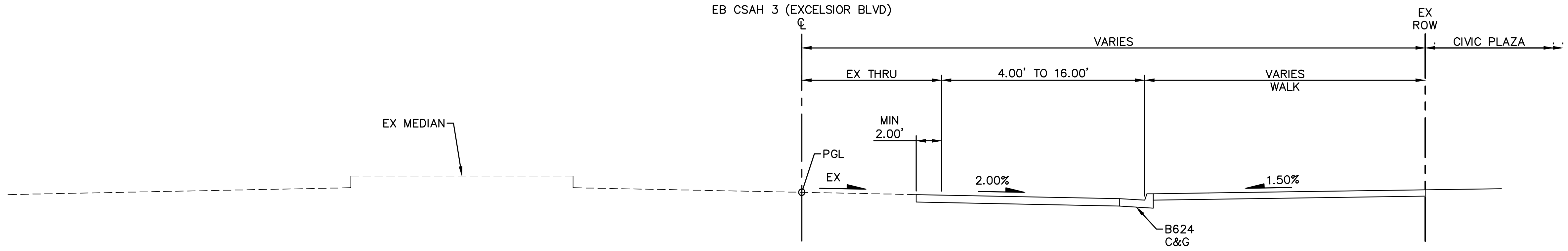
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

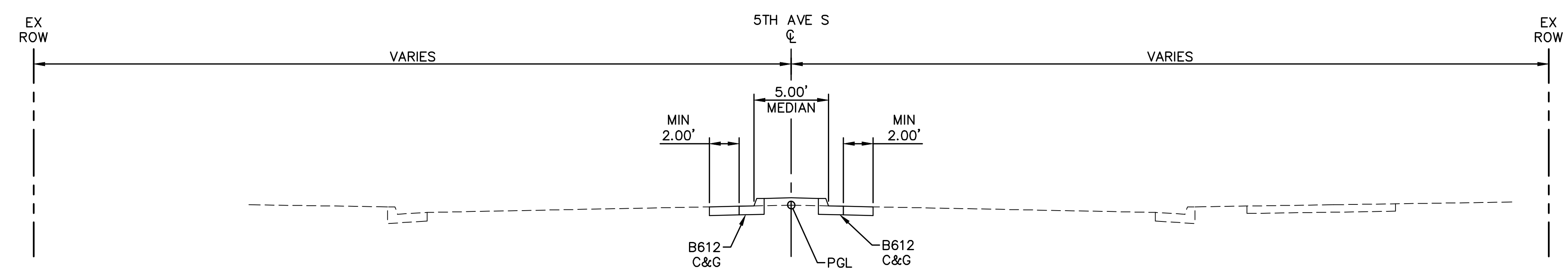
CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 2

DISCIPLINE: CIVIL

SHEET NAME: E1-CIV-TYP - 002



EB CSAH 3 (EXCELSIOR BLVD)
STA. 100+00 TO STA. 104+50



5TH AVE S
STA. 9+00 TO STA. 12+00

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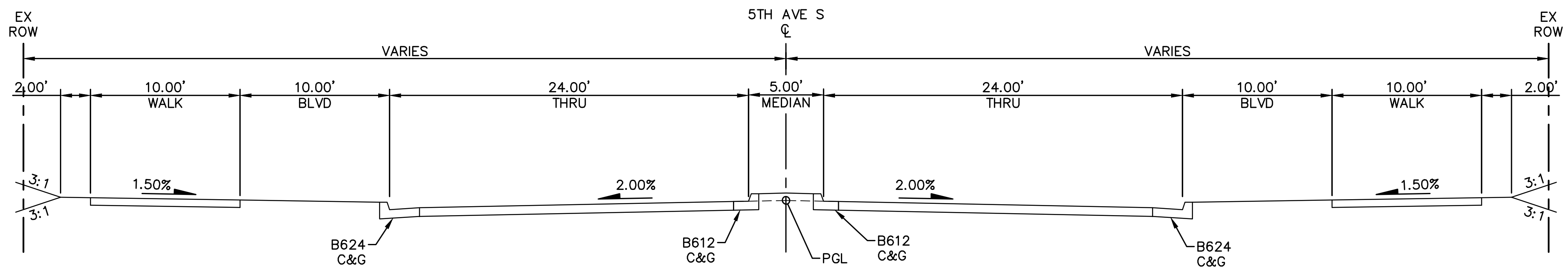
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

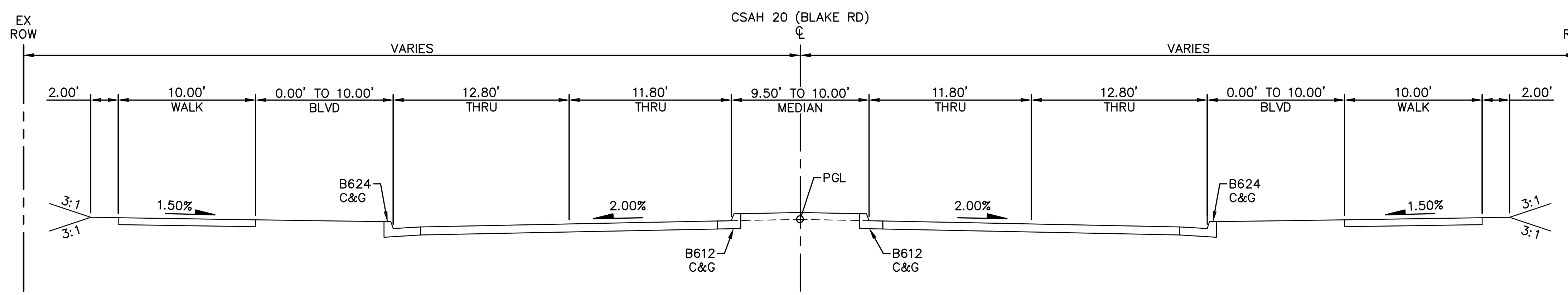
CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 3

DISCIPLINE: CIVIL

SHEET NAME: E1-CIV-TYP - 003



5TH AVE S
STA. 12+00 TO STA. 14+00



CSAH 20 (BLAKE RD)
STA. 13+00 TO STA. 17+00

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60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

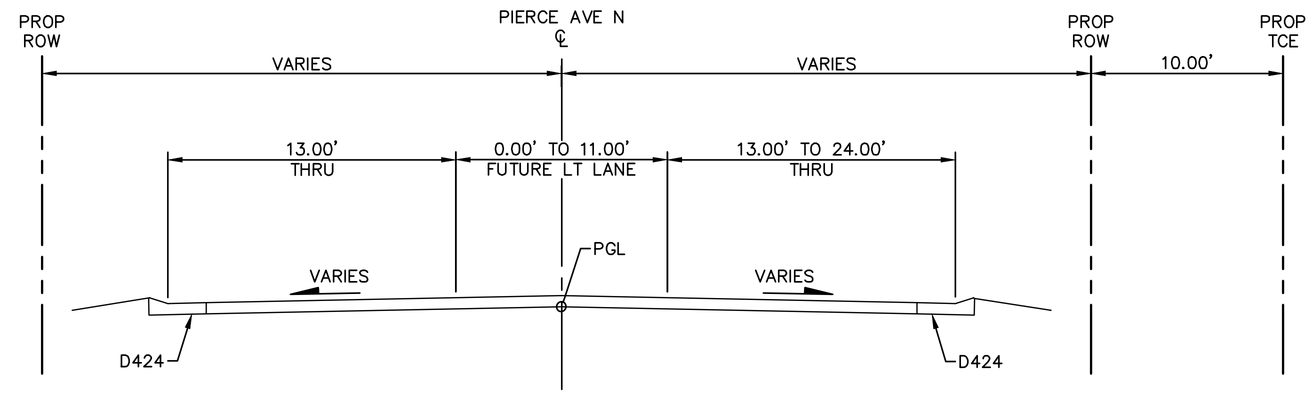
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 4

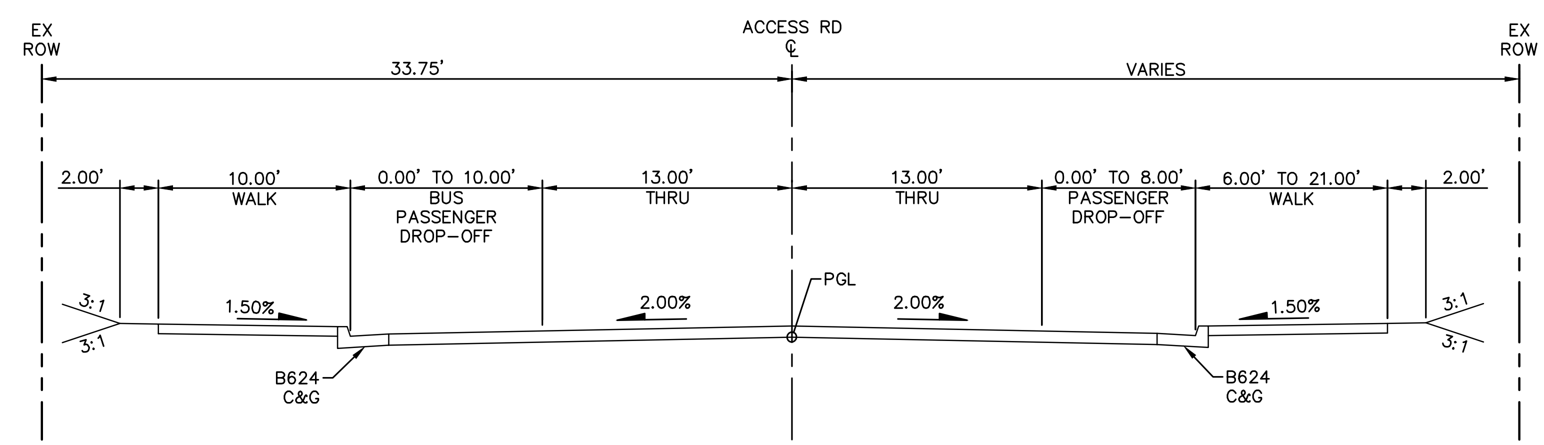
DISCIPLINE: CIVIL

SHEET NAME: E1-CIV-TYP - 004

SHEET 32 OF 199



PIERCE AVE N
STA. 10+86 TO STA. 19+83



ACCESS RD
STA. 19+83 TO STA. 24+20

Sep. 21 2015 05:41 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E1-CIV-TYP.dwg By: Wedgehr

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AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

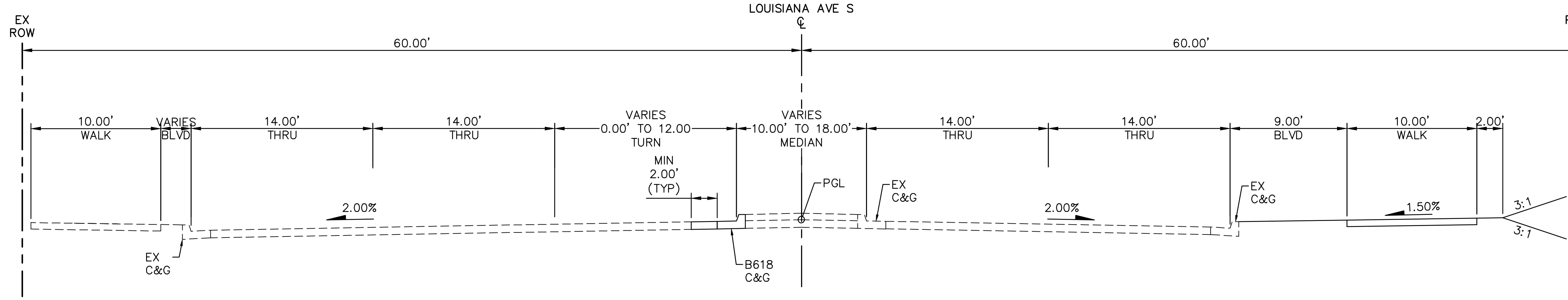
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

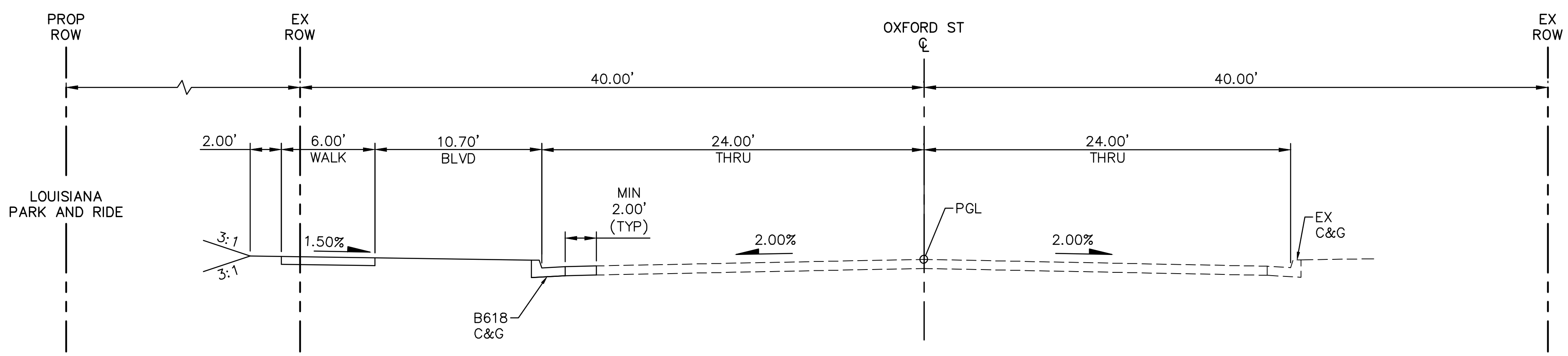
CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 5

DISCIPLINE: CIVIL

SHEET NAME: E1-CIV-TYP - 005



LOUISIANA AVE S
STA. 10+00 TO STA. 14+50



OXFORD ST
STA. 10+00 TO STA. 23+50

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AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

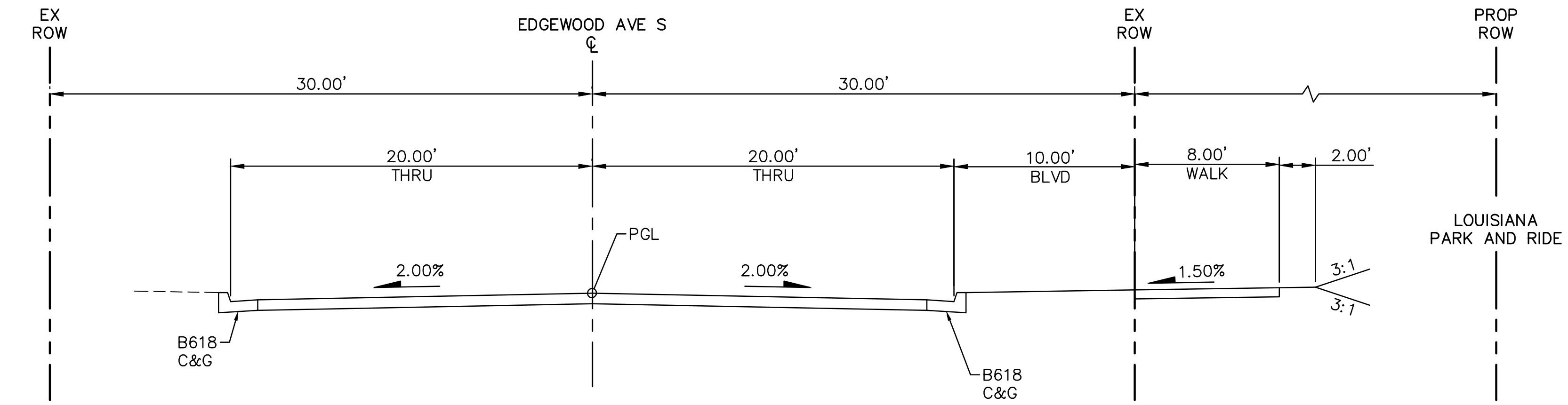
CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 6

DISCIPLINE: CIVIL

SHEET NAME: E2-CIV-TYP - 001

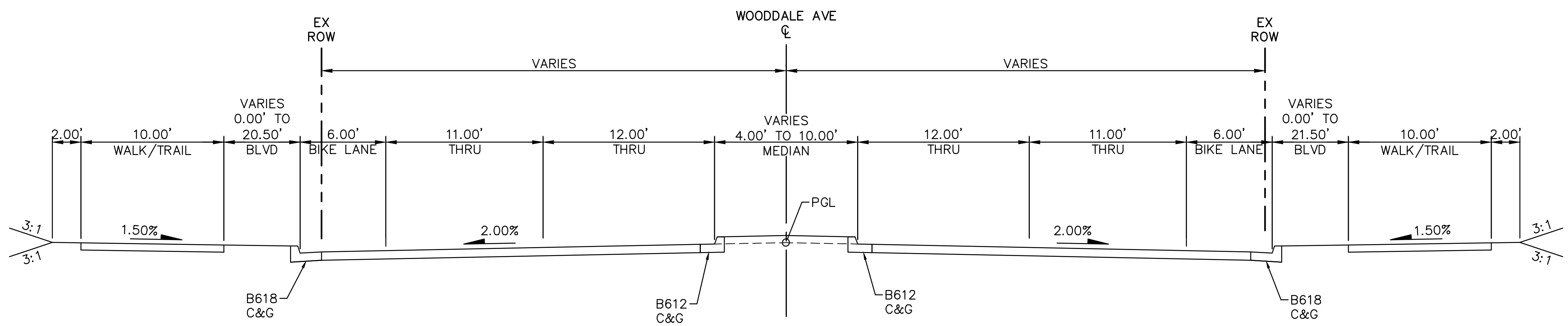
SHEET 34 OF 199

Sep. 21 2015 05:41 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-CIV-TYP.dwg By: Wedgehr



EDGEWOOD AVE S

STA. 10+75 TO STA. 12+05



WOODDALE AVE

STA. 10+00 TO STA. 14+00

Sep. 21 2015 05:41 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-CIV-TYP.dwg By: Wedgehr

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60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

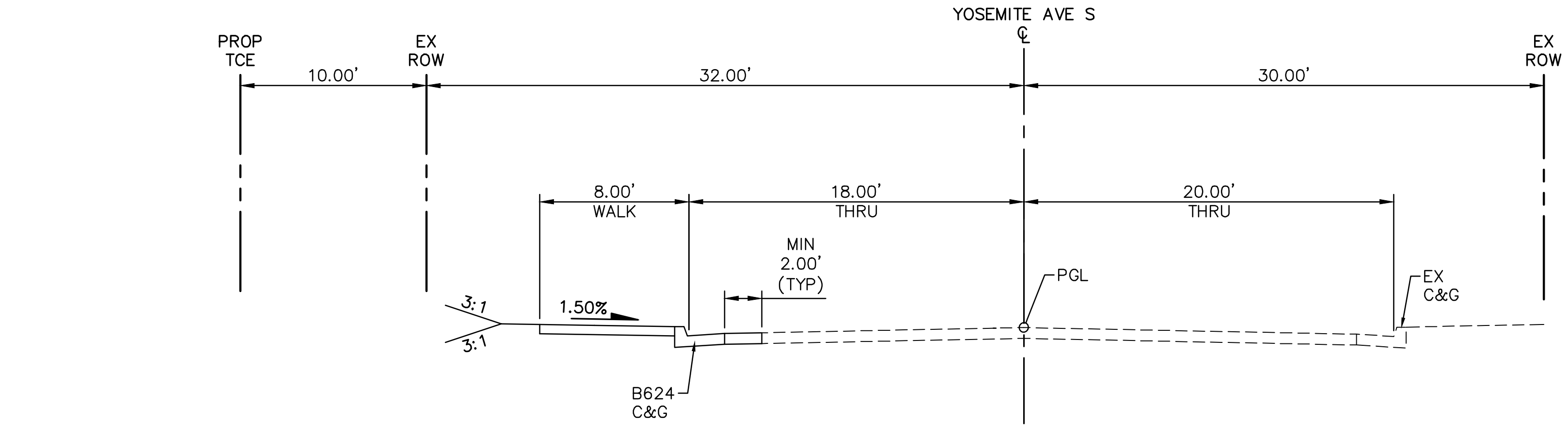
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 7

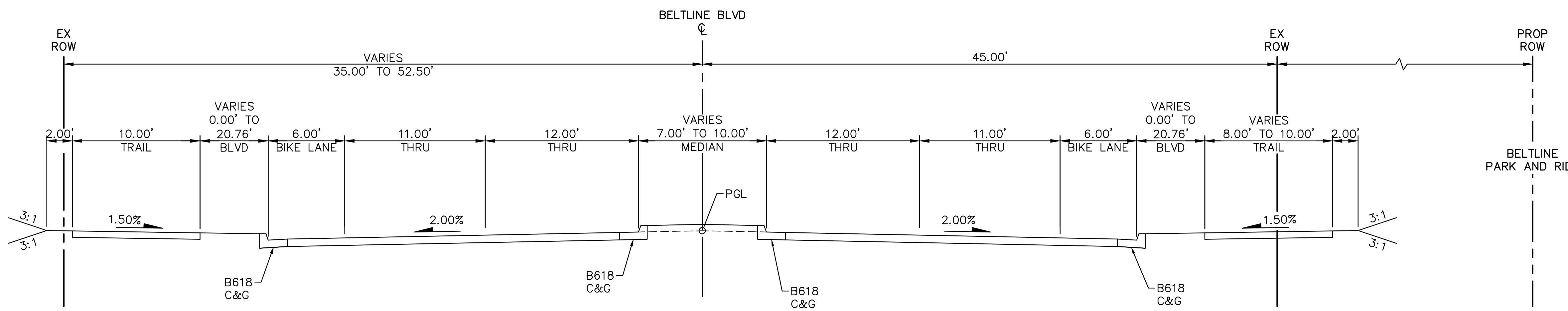
DISCIPLINE: CIVIL

SHEET NAME: E2-CIV-TYP - 002

SHEET 35 OF 199



YOSEMITE AVE S
STA. 2+40 TO STA. 4+00



BELTLINE BLVD
STA. 112+00 TO STA. 117+57

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

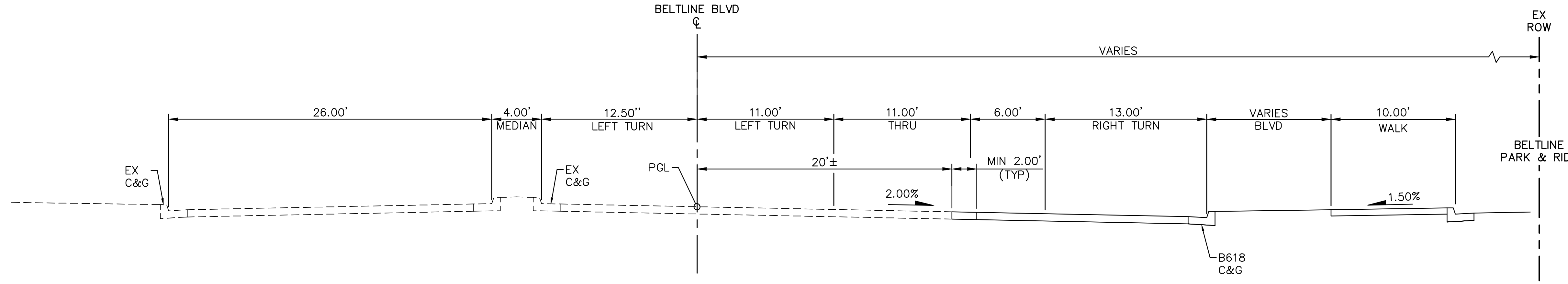
60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 8

DISCIPLINE: CIVIL

SHEET NAME: E2-CIV-TYP - 003

Sep. 21 2015 05:41 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-CIV-TYP.dwg By: Wedgehr



BELTLINE BLVD
STA. 117+57 TO STA. 121+38

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

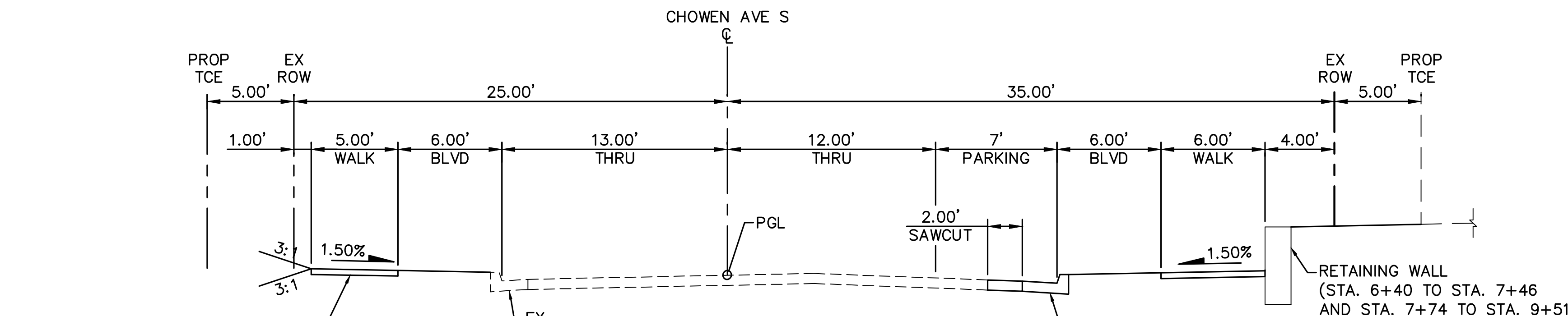
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

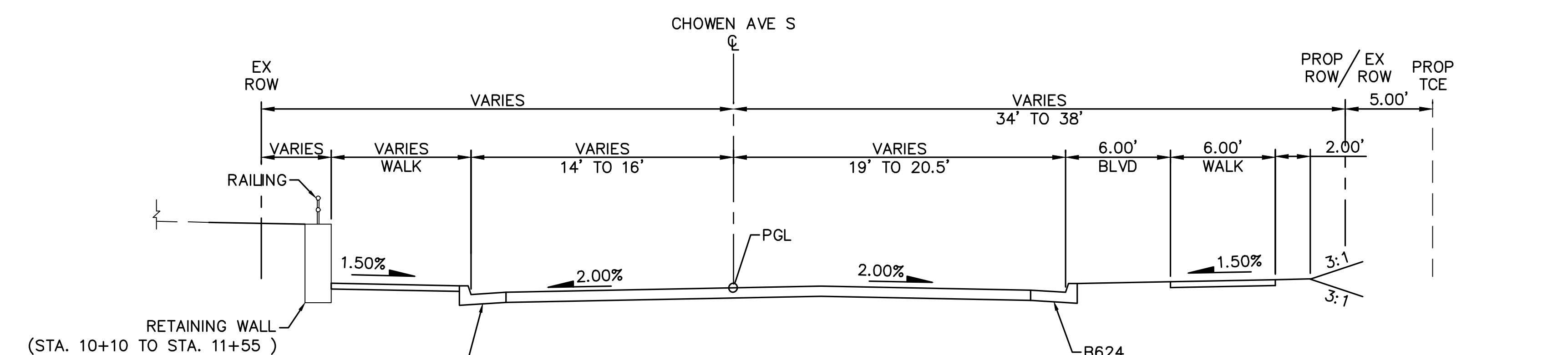
CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 9

DISCIPLINE: CIVIL

SHEET NAME: E2-CIV-TYP - 004



CHOWEN AVE S
STA. 3+35 TO STA. 10+01



CHOWEN AVE S
STA. 10+01 TO STA. 12+46

Sep. 21 2015 05:42 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E3-CIV-TYP.dwg By: Wedgehr

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METROPOLITAN COUNCIL

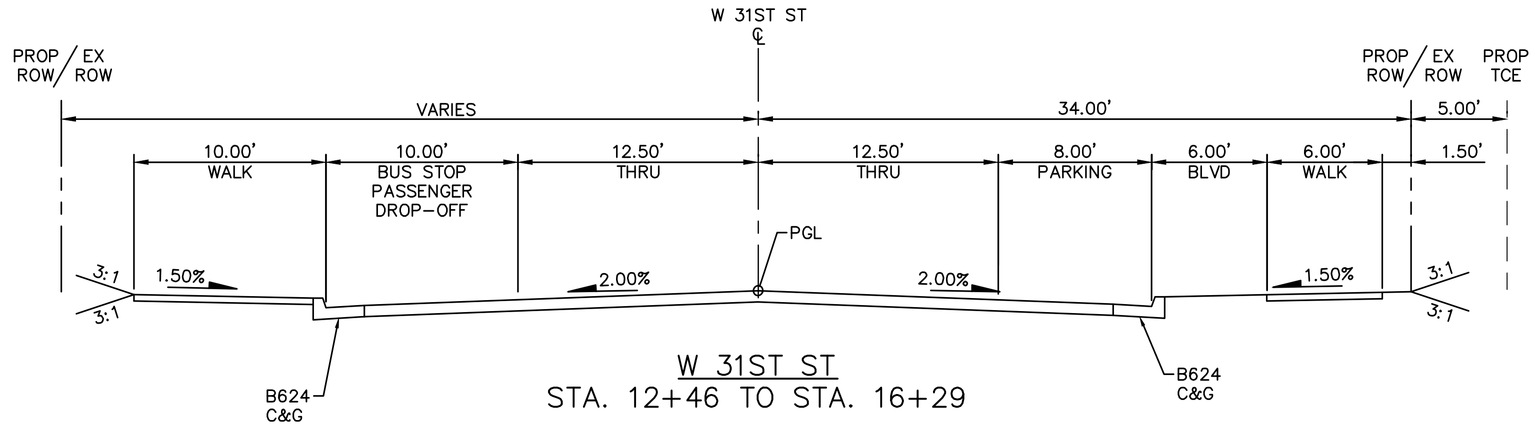
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 10

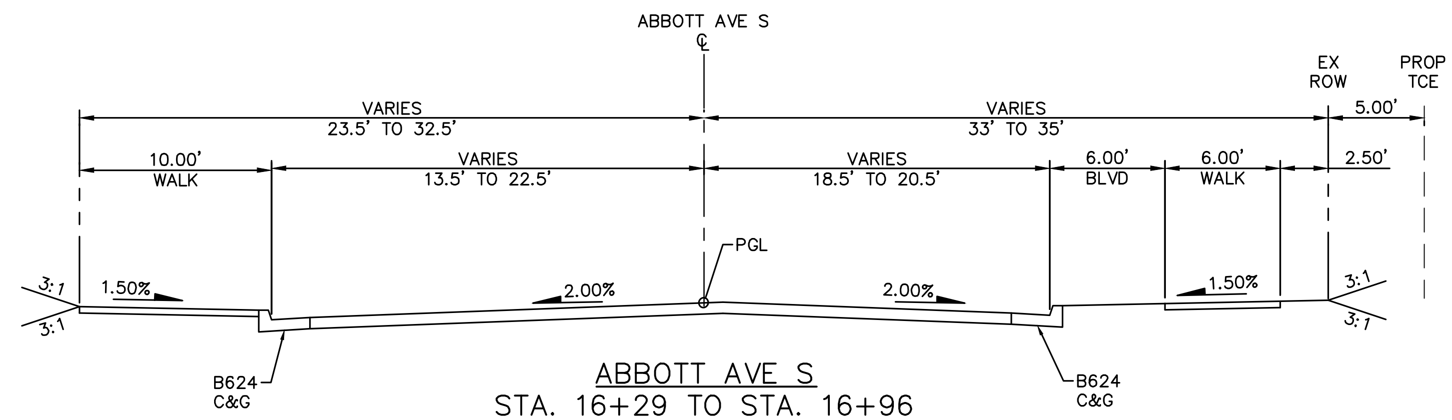
DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TYP - 001

SHEET 38 OF 199



W 31ST ST
STA. 12+46 TO STA. 16+29



ABBOTT AVE S
STA. 16+29 TO STA. 16+96

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

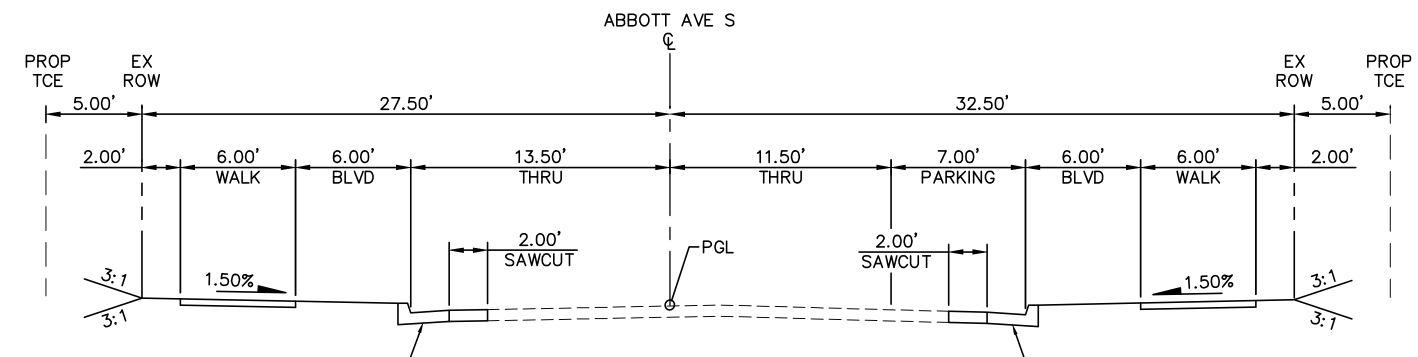
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

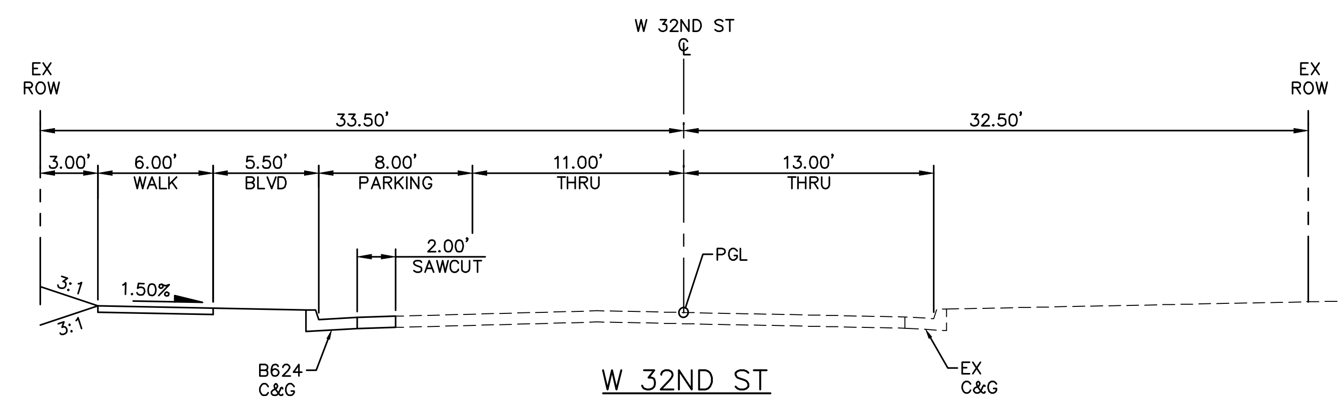
CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 11

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TYP - 002



ABBOTT AVE S
STA. 16+96 TO STA. 21+46



W 32ND ST
STA. 32+00 TO STA. 37+26

Sep. 21 2015 05:42 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E3-CIV-TYP.dwg By: Wedgehr

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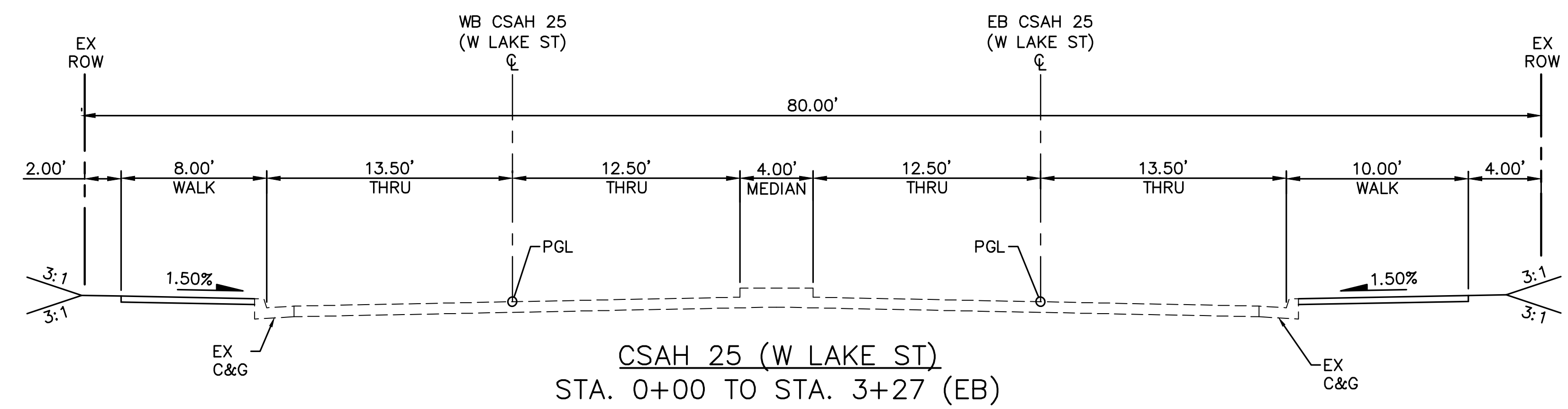
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

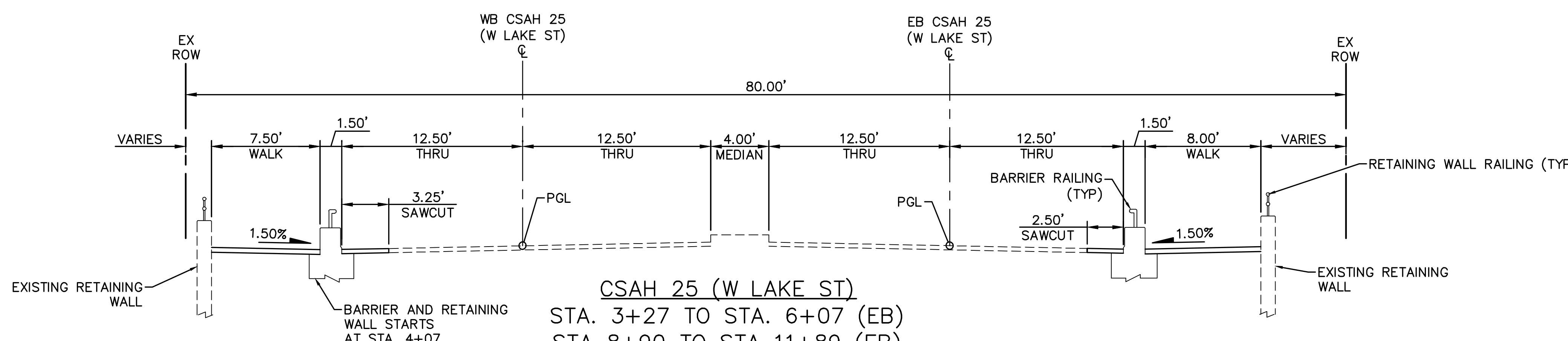
CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 12

DISCIPLINE: CIVIL
SHEET NAME: E3-CIV-TYP - 003

SHEET 40 OF 199



CSAH 25 (W LAKE ST)
STA. 0+00 TO STA. 3+27 (EB)



CSAH 25 (W LAKE ST)
STA. 3+27 TO STA. 6+07 (EB)
STA 8+90 TO STA 11+89 (EB)

Sep. 21 2015 05:42 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E3-CIV-TYP.dwg By: Wedgehr

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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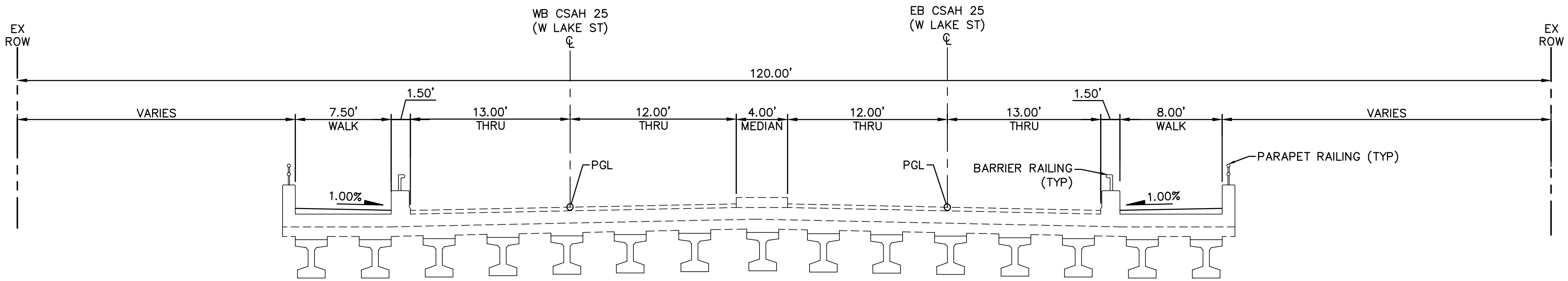
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

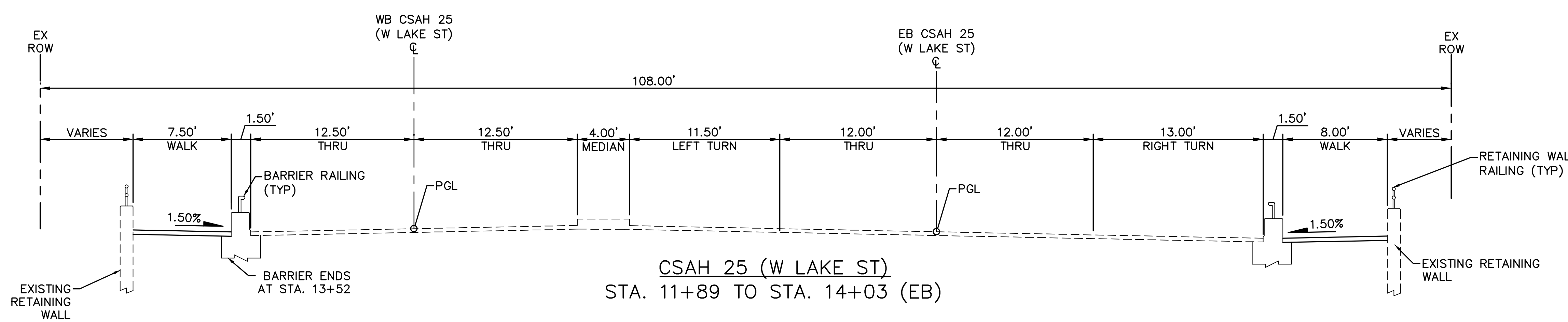
CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 13

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TYP - 004



CSAH 25 (W LAKE ST)
STA. 6+07 TO STA. 8+90 (EB)



CSAH 25 (W LAKE ST)
STA. 11+89 TO STA. 14+03 (EB)

Sep. 21 2015 05:42 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E3-CIV-TYP.dwg By: Wedgehr

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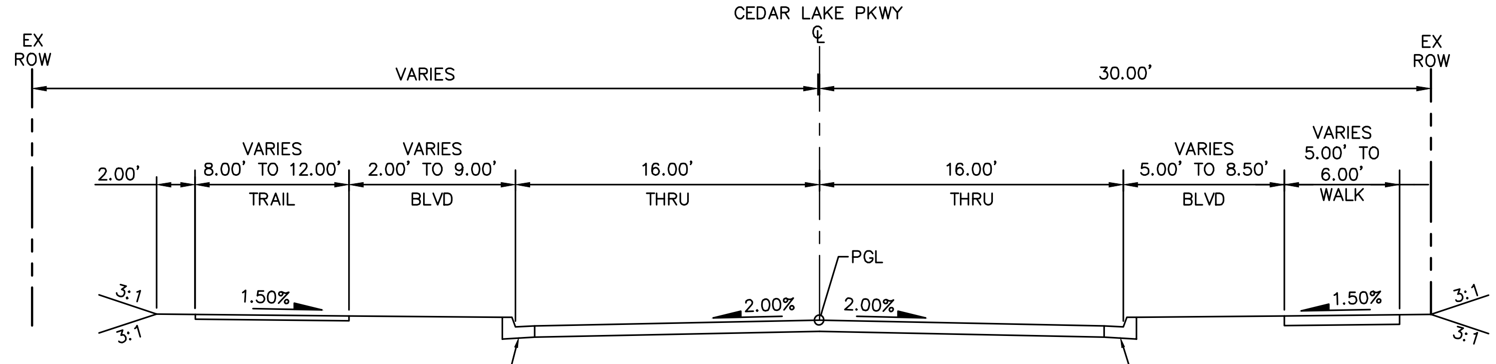
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

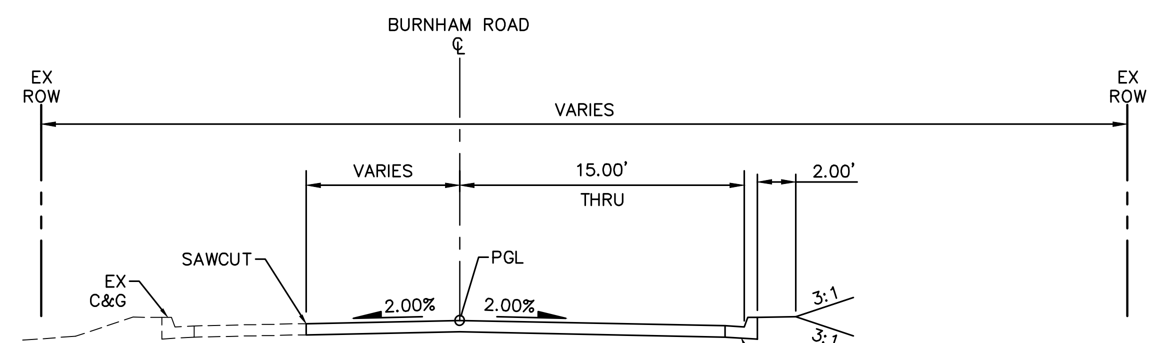
CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 14

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TYP - 005



CEDAR LAKE PKWY
STA. 46+50 TO STA. 48+70



BURNHAM RD
STA. 147+00 TO STA. 151+00

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METROPOLITAN COUNCIL

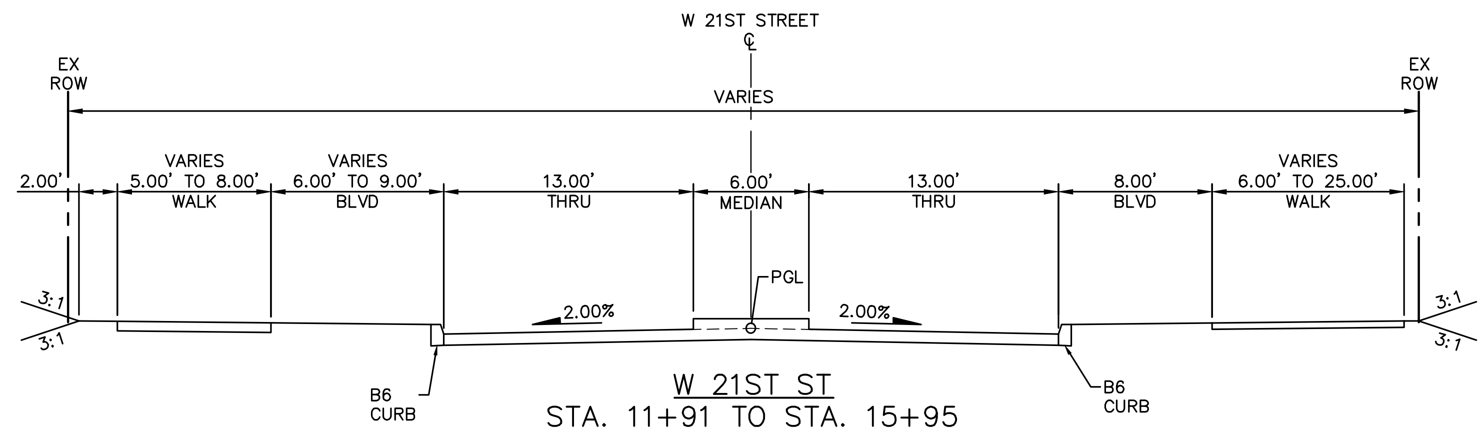
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 15

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TYP - 006

Sep. 21 2015 05:42 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E3-CIV-TYP.dwg By: Wedgehr



W 21ST ST
STA. 11+91 TO STA. 15+95

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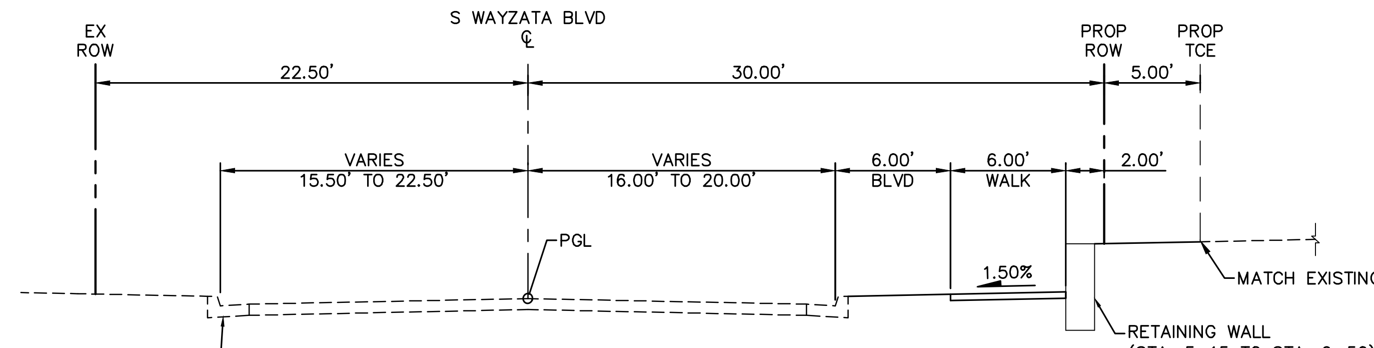
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

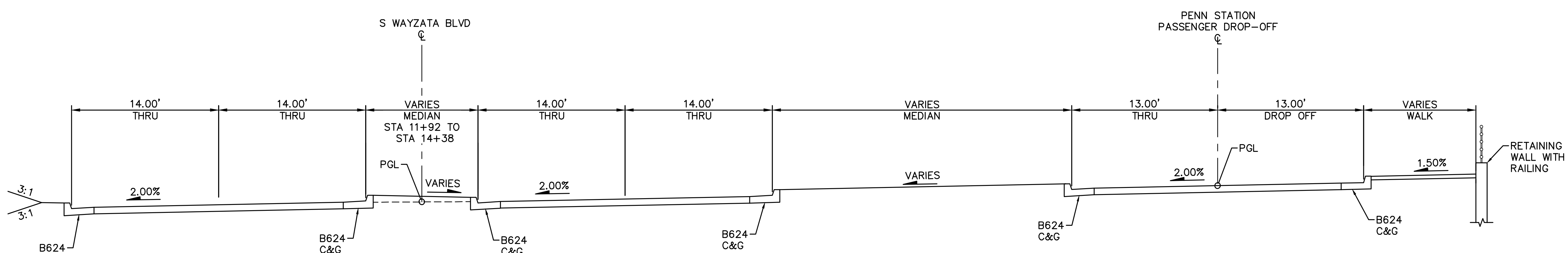
CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 16

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TYP - 007



S WAYZATA BLVD
STA. 2+19 TO STA. 10+79



S WAYZATA BLVD
STA. 10+79 TO STA. 14+36

PENN STATION PASSENGER DROP-OFF
STA. 0+44 TO STA. 2+99

Sep. 21 2015 05:42 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E4-CIV-TYP.dwg By: Wedgehr

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60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

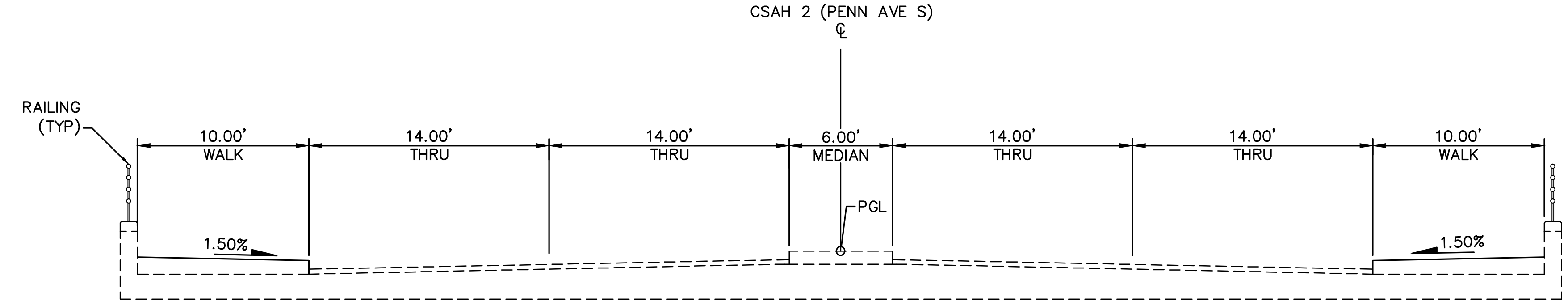
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 17

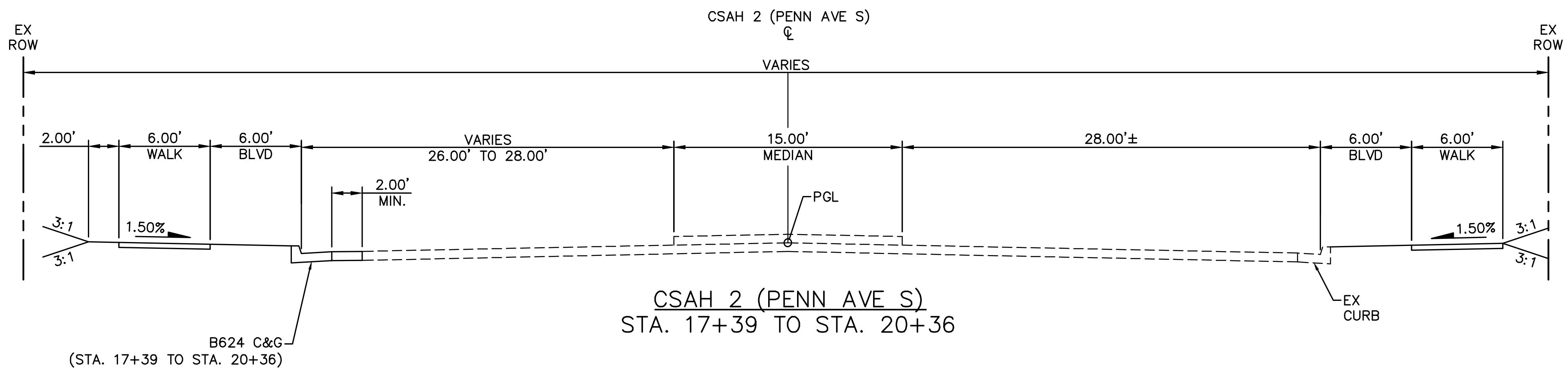
DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-TYP - 001

SHEET 45 OF 199



CSAH 2 (PENN AVE S) BRIDGE
STA. 14+36 TO STA. 17+39



CSAH 2 (PENN AVE S)
STA. 17+39 TO STA. 20+36

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

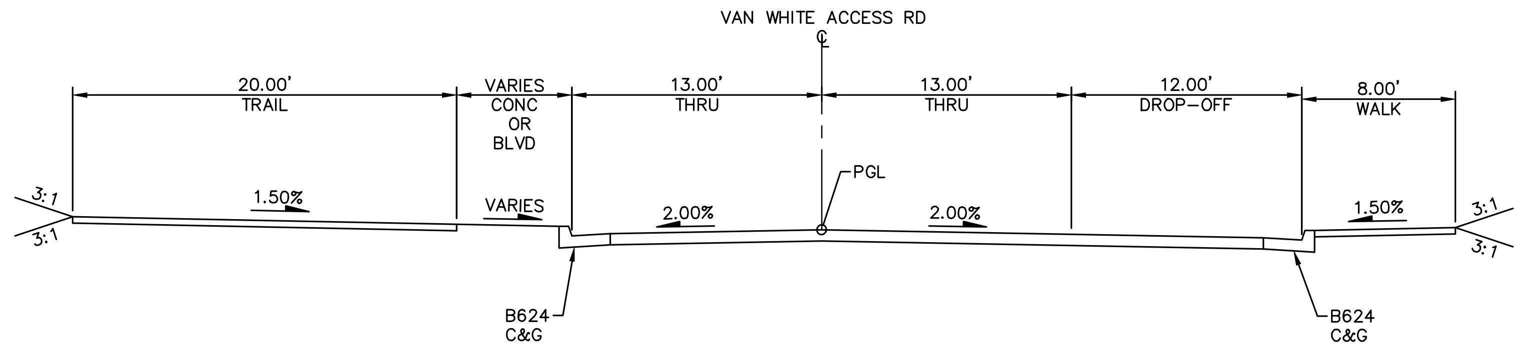
CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 18

DISCIPLINE: CIVIL

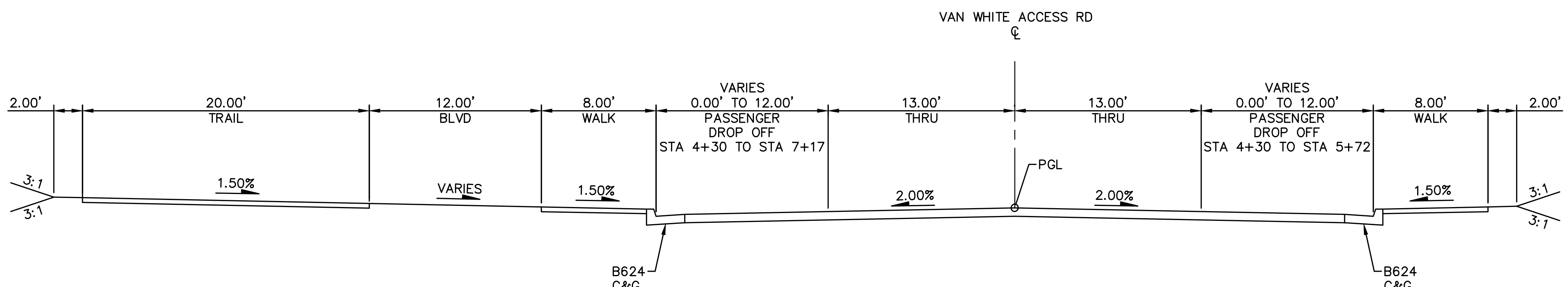
SHEET NAME: E4-CIV-TYP - 002

SHEET 46 OF 199

Sep. 21 2015 05:42 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E4-CIV-TYP.dwg By: Wedgehr



VAN WHITE STATION ACCESS
STA. 0+00 TO STA. 4+30



VAN WHITE STATION ACCESS
STA. 4+30 TO STA. 8+40

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

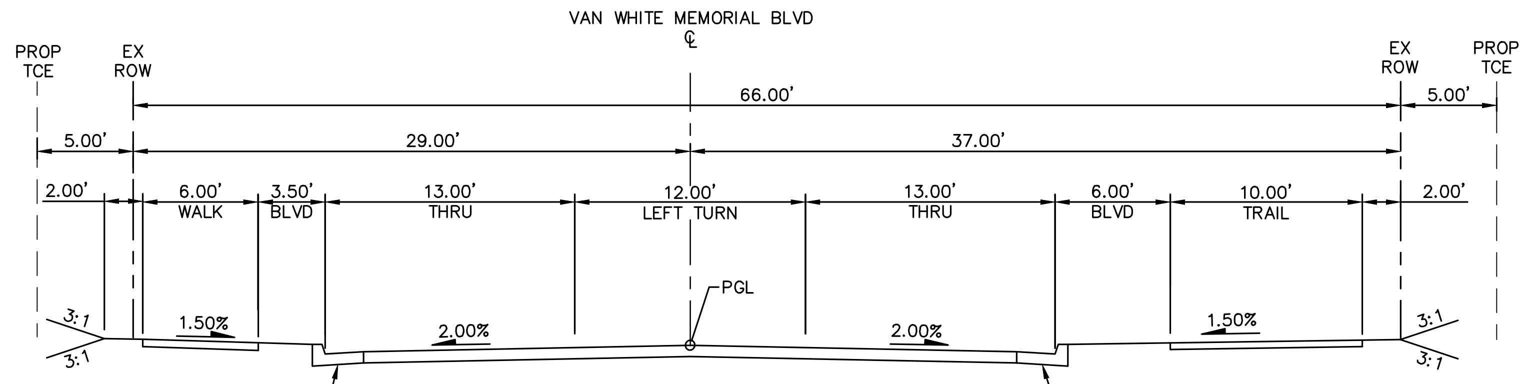
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 19

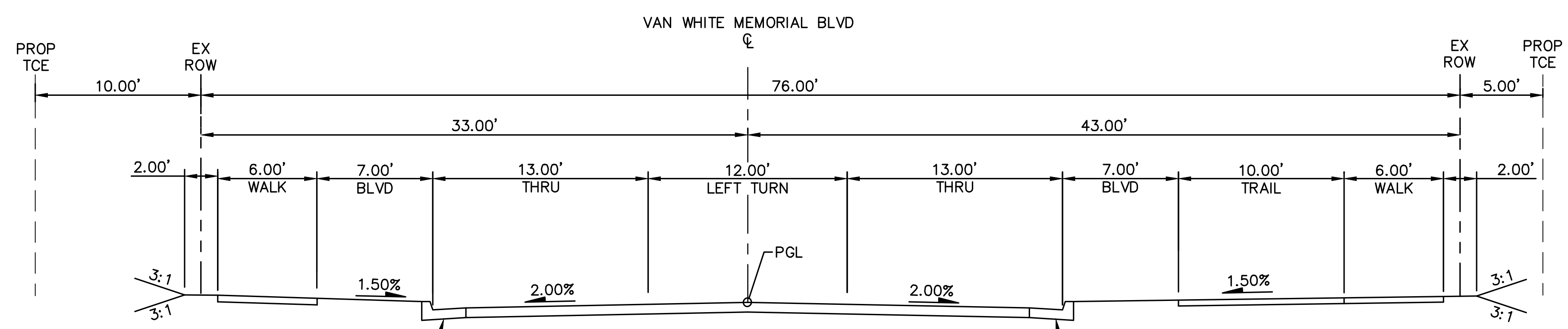
DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-TYP - 003

SHEET 47 OF 199



VAN WHITE MEMORIAL BLVD
STA. 726+64 TO STA. 731+73



VAN WHITE MEMORIAL BLVD
STA. 732+09 TO STA. 734+48

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60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

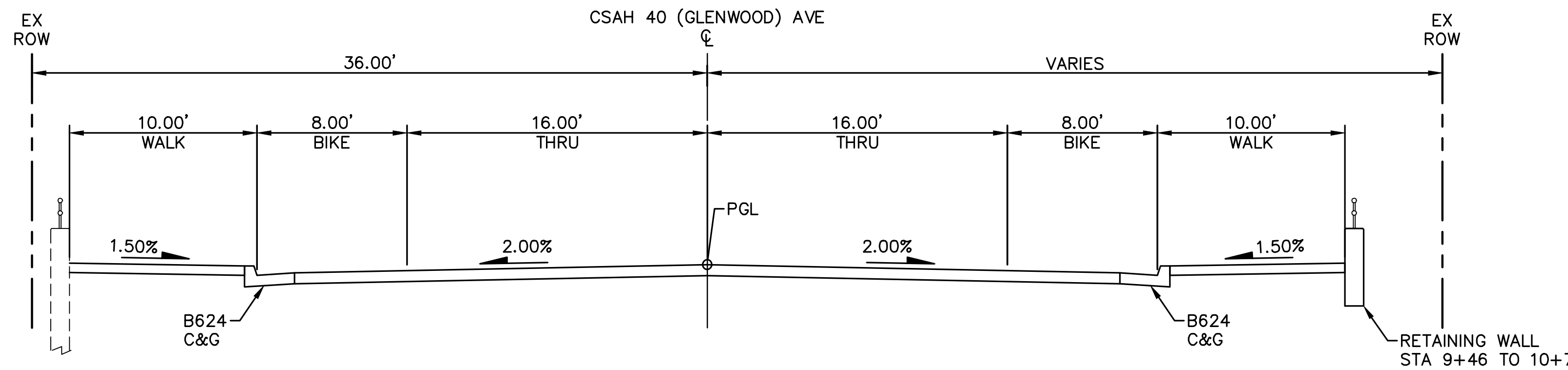
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 20

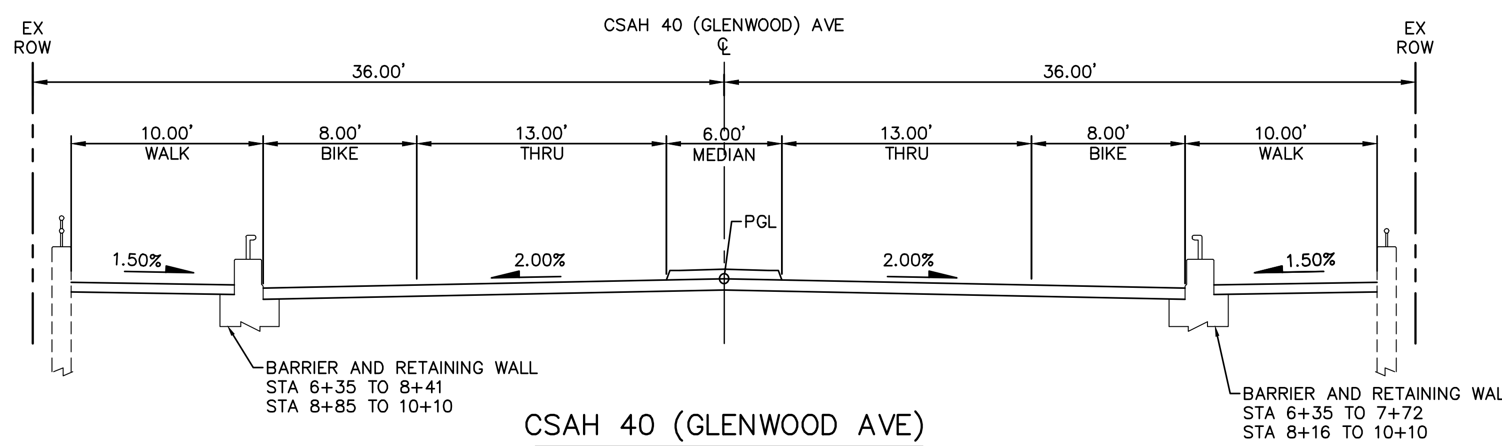
DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-TYP - 004

SHEET 48 OF 199



CSAH 40 (GLENWOOD AVE)
STA. 5+19 TO STA. 6+35
STA. 10+10 TO STA. 11+11



CSAH 40 (GLENWOOD AVE)
STA. 6+35 TO STA. 8+01
STA. 8+55 TO STA. 10+10

Sep. 21 2015 05:42 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E4-CIV-TYP.dwg By: Wedgehr

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60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

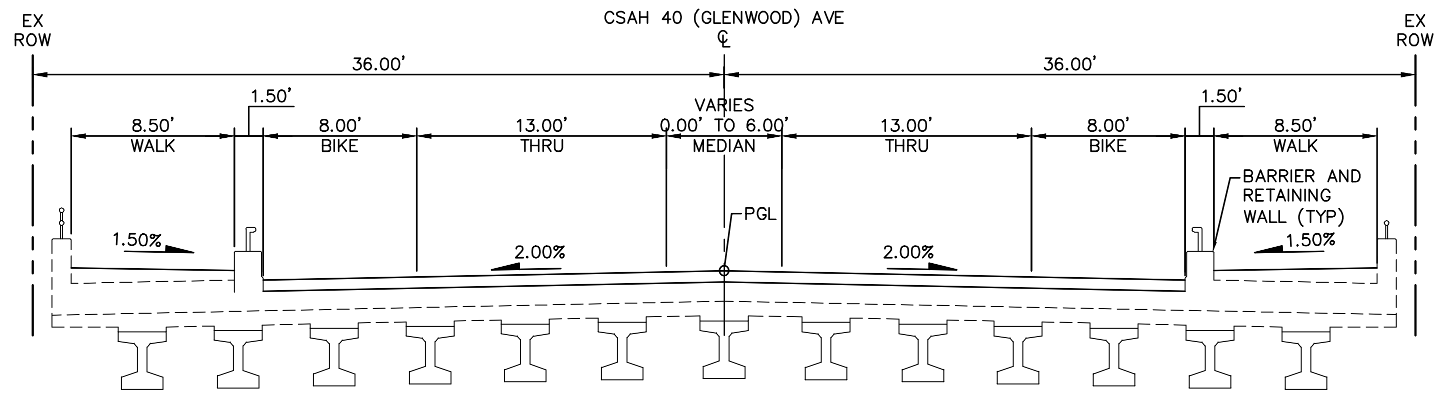
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 21

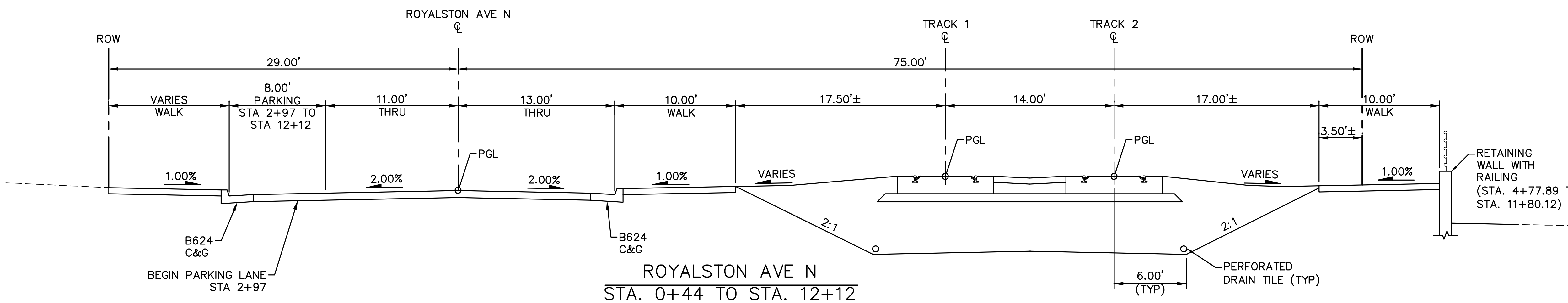
DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-TYP - 005

SHEET 49 OF 199



CSAH 40 (GLENWOOD AVE)
STA. 8+01 TO STA. 8+55



ROYALSTON AVE N
STA. 0+44 TO STA. 12+12

Sep. 21 2015 05:43 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E4-CIV-TYP.dwg By: Wedgehr

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METROPOLITAN COUNCIL

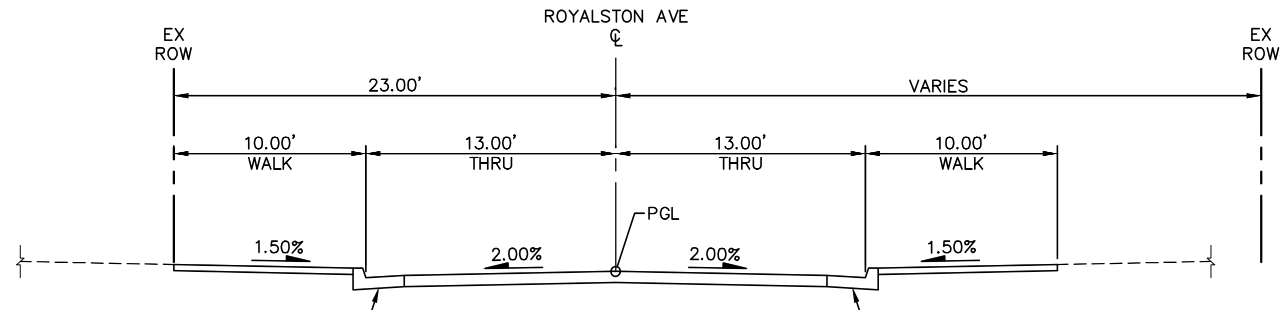
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 22

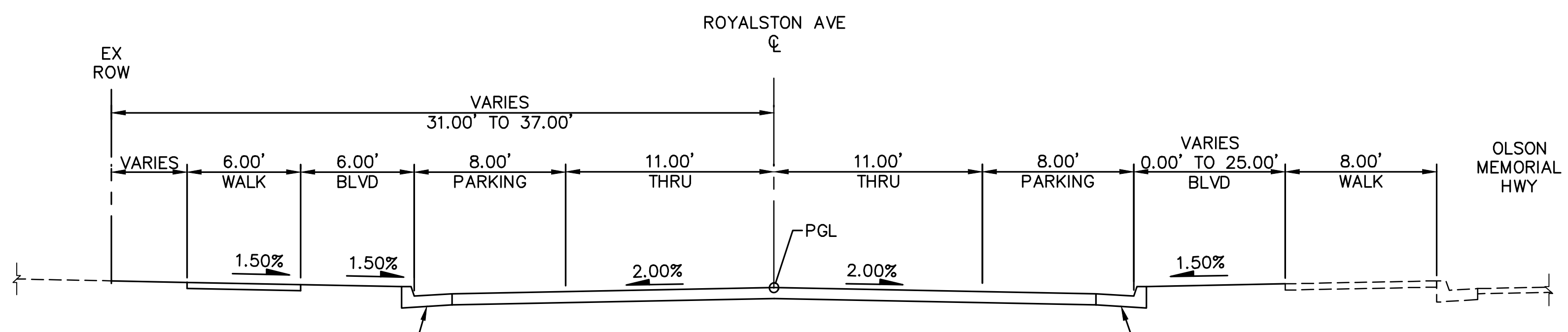
DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-TYP - 006

SHEET 50 OF 199



ROYALSTON AVE
STA. 12+12 TO STA. 14+80



ROYALSTON AVE
STA. 14+80 TO STA. 21+00

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

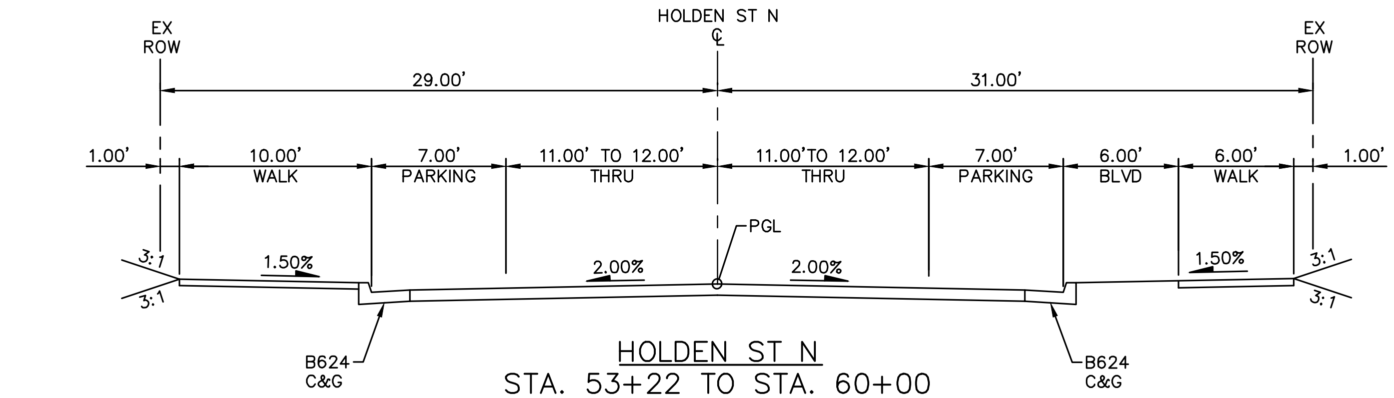
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

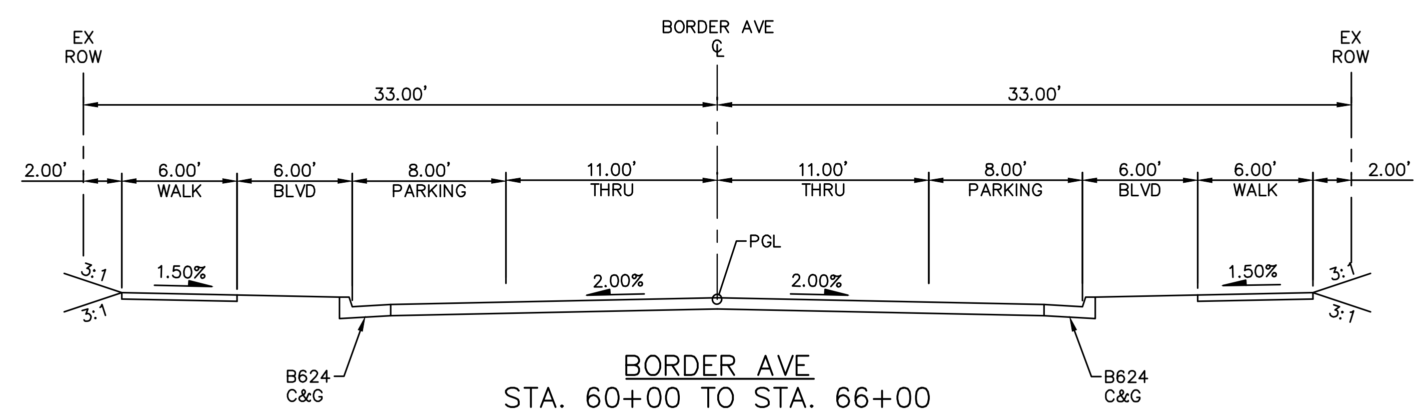
CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 23

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-TYP - 007



HOLDEN ST N
STA. 53+22 TO STA. 60+00



BORDER AVE
STA. 60+00 TO STA. 66+00

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

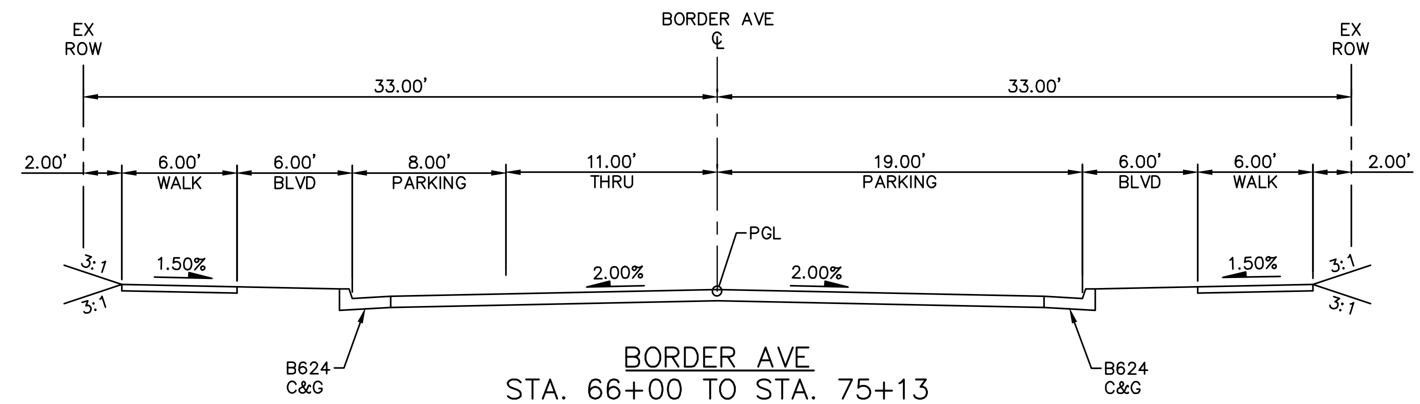
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

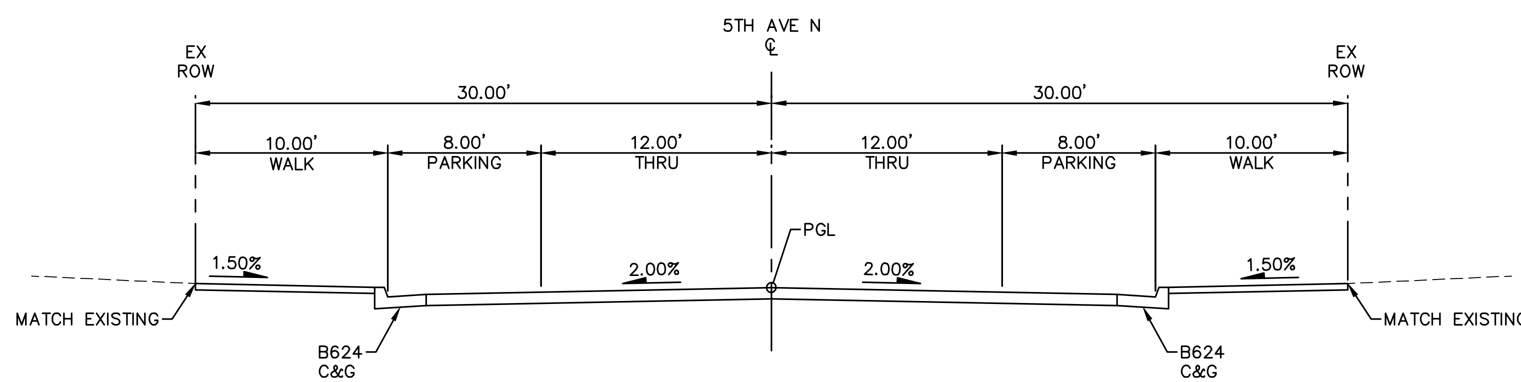
CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 24

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-TYP - 008



BORDER AVE
STA. 66+00 TO STA. 75+13



5TH AVE N
STA. 0+00 TO STA. 4+41

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

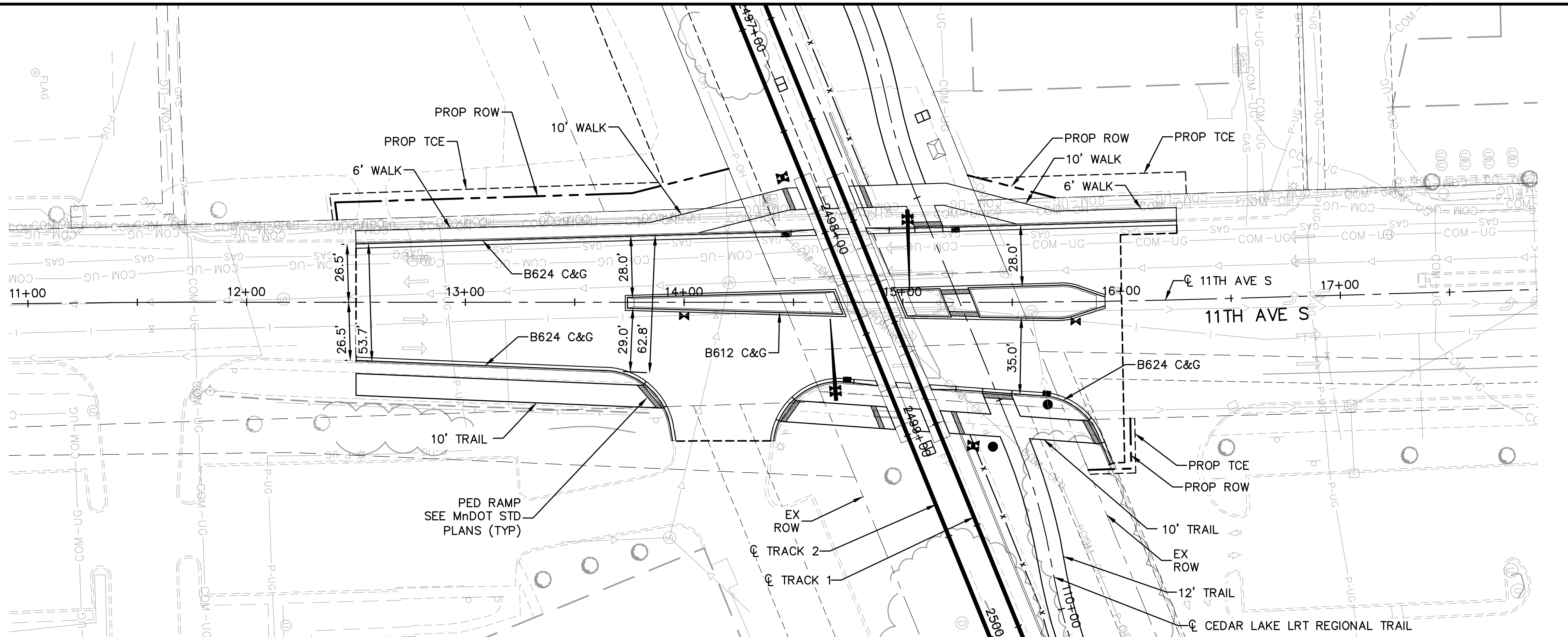
CIVIL EAST - VOLUME 2
ROADWAY
TYPICAL SECTIONS
SHEET 25

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-TYP - 009

SHEET 53 OF 199

Sep. 21 2015 05:43 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E4-CIV-TYP.dwg By: Wedgehr



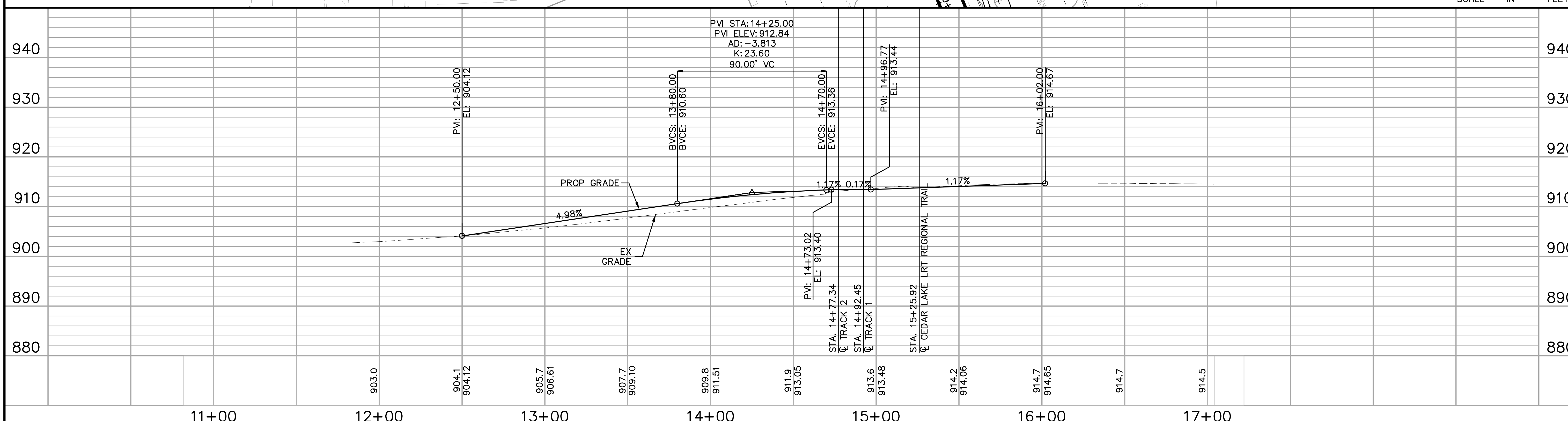
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE IN FEET: VERTICAL 0, 5, 10, 20; HORIZONTAL 0, 15, 30, 60



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

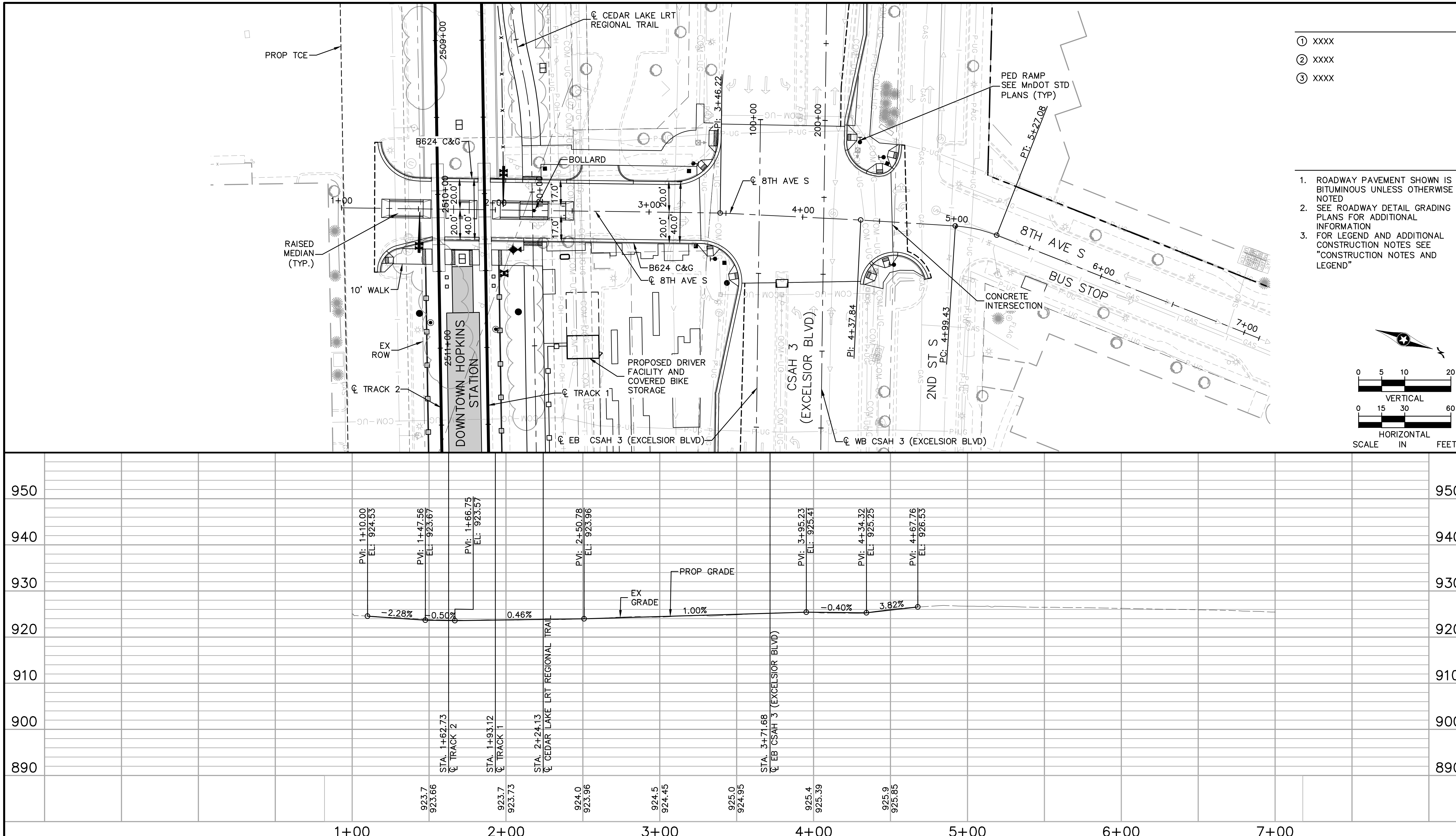
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
11TH AVE S
PLAN AND PROFILE
STA. 11+00 TO STA. 17+00

DISCIPLINE: CIVIL

SHEET NAME: E1-CIV-PRF - 001

SHEET 54 OF 199



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

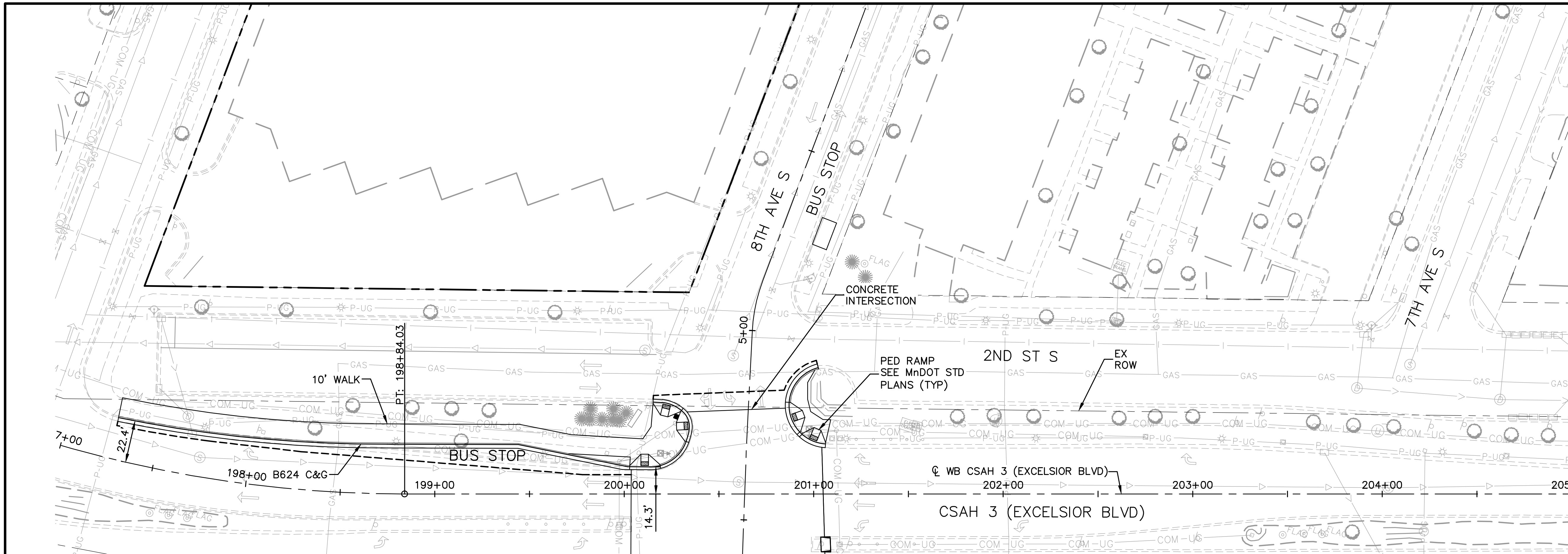
CIVIL EAST - VOLUME 2
8TH AVE S
PLAN AND PROFILE
STA. 1+00 TO STA. 7+00

DISCIPLINE: CIVIL

SHEET NAME: E1-CIV-PRF - 002

SHEET 55 OF 199

Sep. 21 2015 05:51 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E1-CIV-PRF.dwg By: Wedgehr



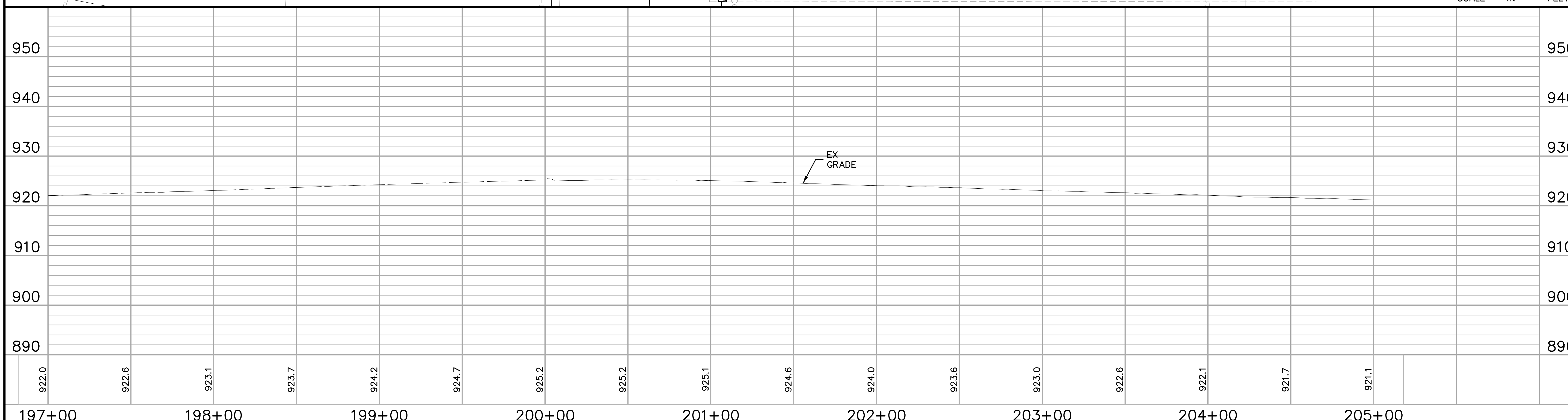
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

0 5 10 20 VERTICAL
0 15 30 60 HORIZONTAL
SCALE IN FEET



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

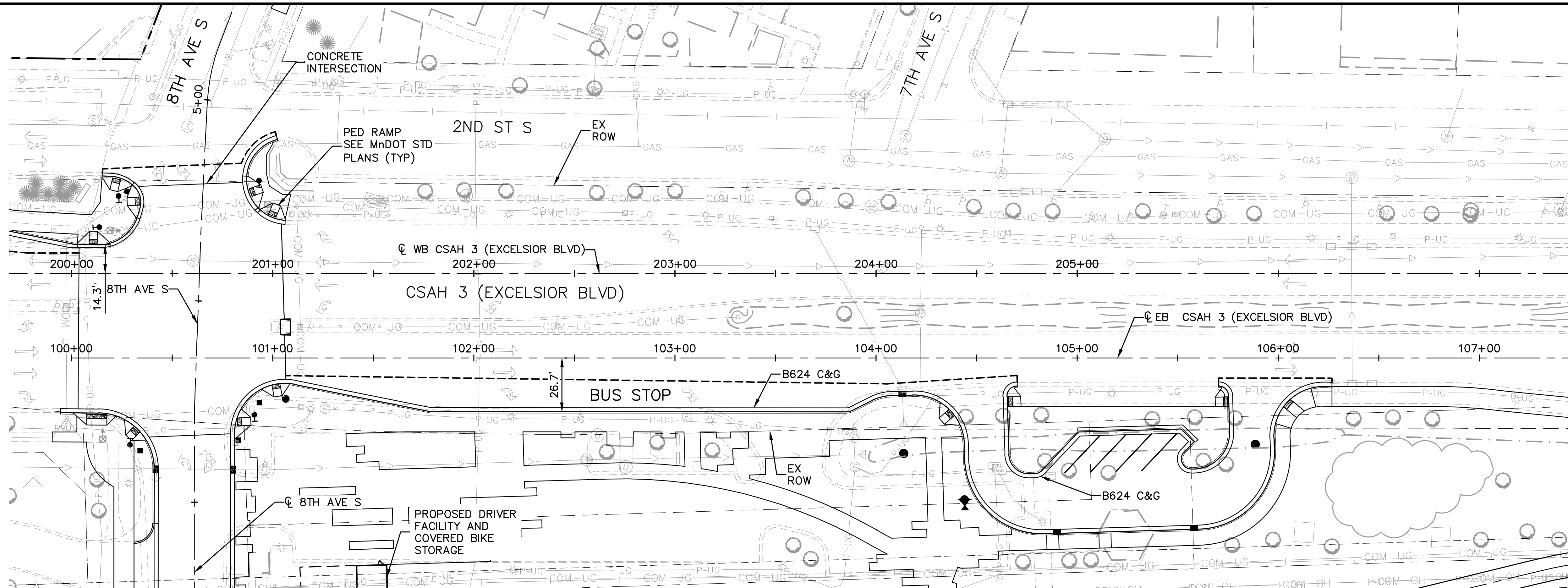
CIVIL EAST - VOLUME 2
WB CSAH 3 (EXCELSIOR BLVD)
PLAN AND PROFILE
STA. 197+00 TO STA. 205+00

DISCIPLINE: CIVIL

SHEET NAME: E1-CIV-PRF - 003

SHEET 56 OF 199

Sep. 21 2015 05:53 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E1-CIV-PRF.dwg By: Wedgehr



CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

0 5 10 20
VERTICAL
0 15 30 60
HORIZONTAL
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

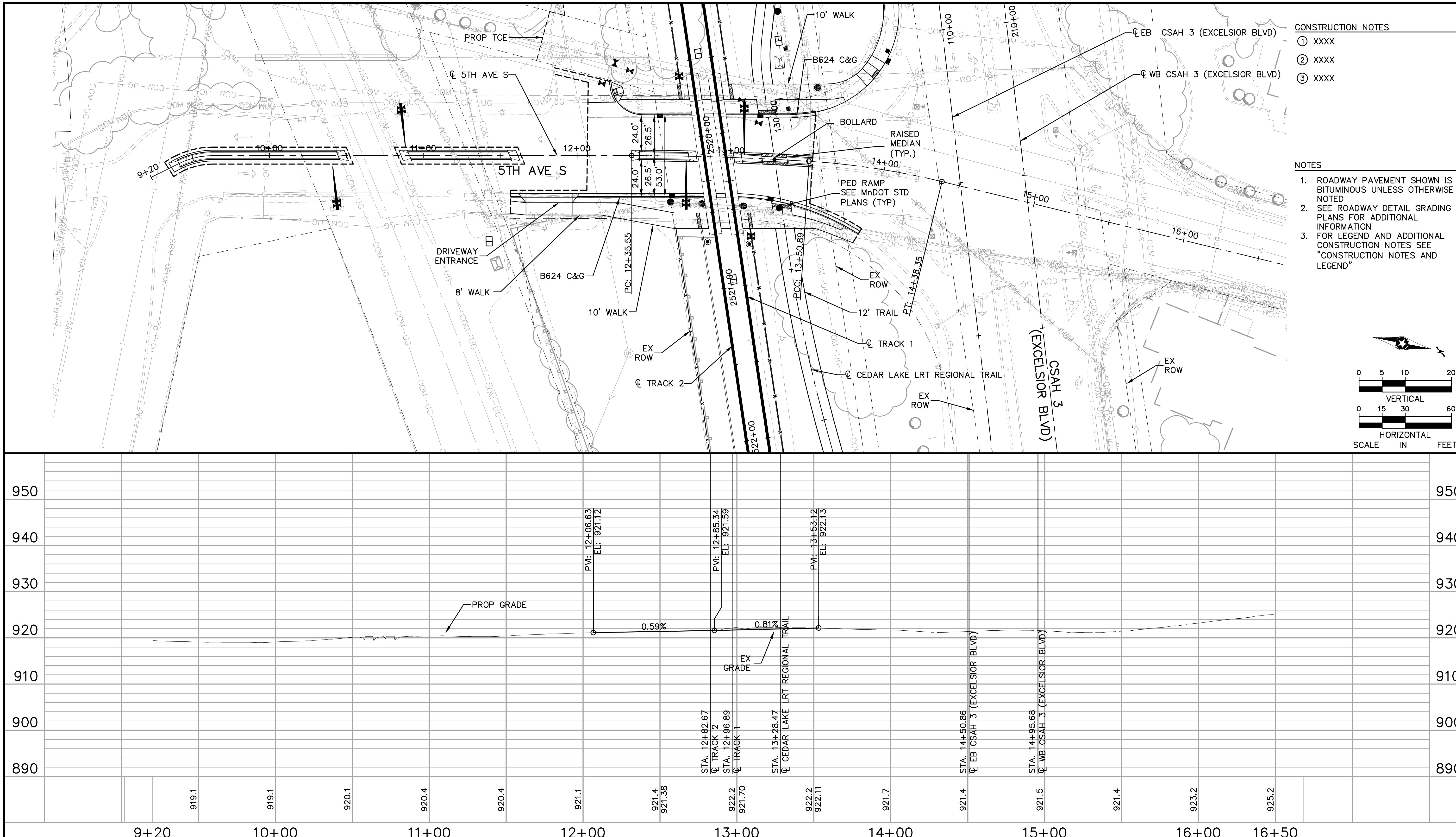
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
EB CSAH 3 (EXCELSIOR BLVD)
PLAN AND PROFILE
STA. 100+00 TO STA. 107+50

DISCIPLINE: CIVIL

SHEET NAME: E1-CIV-PRF - 004

SHEET 57 OF 199



CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

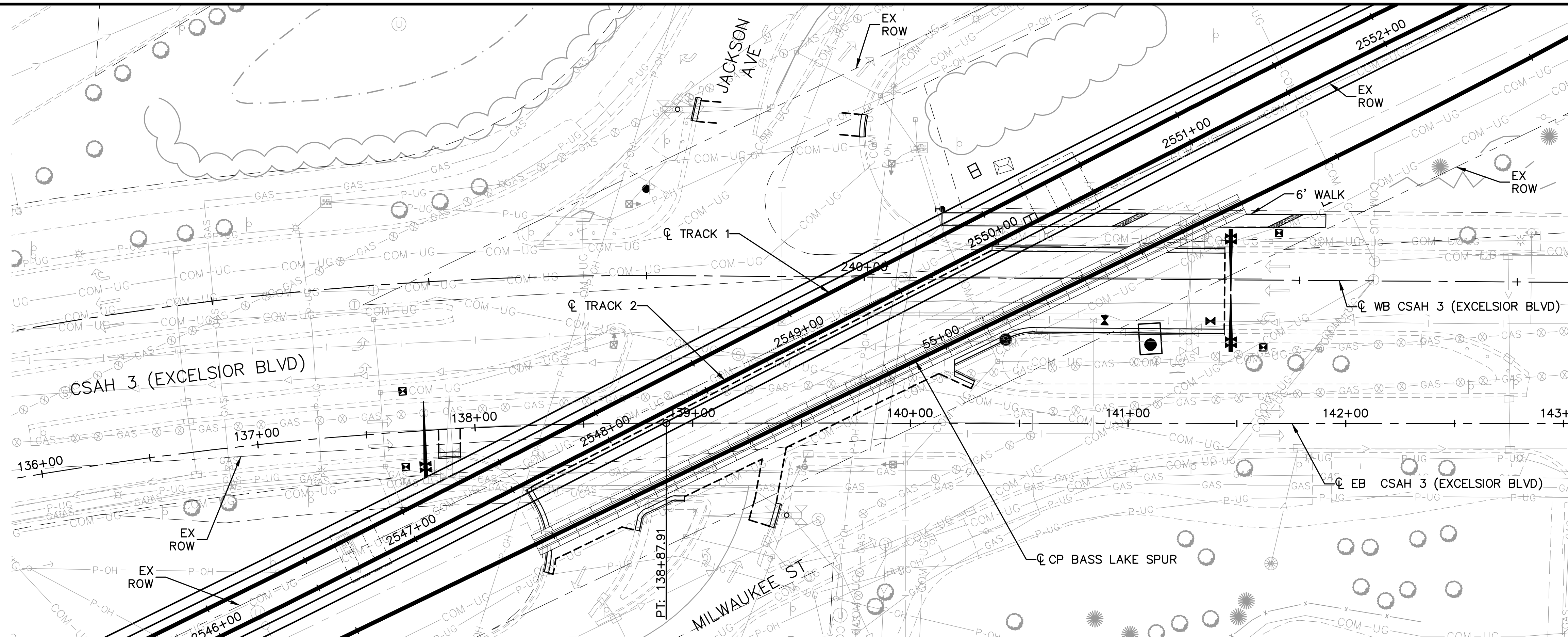
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
5TH AVE S
PLAN AND PROFILE
STA. 10+00 TO STA. 17+50

DISCIPLINE: CIVIL

SHEET NAME: E1-CIV-PRF - 005



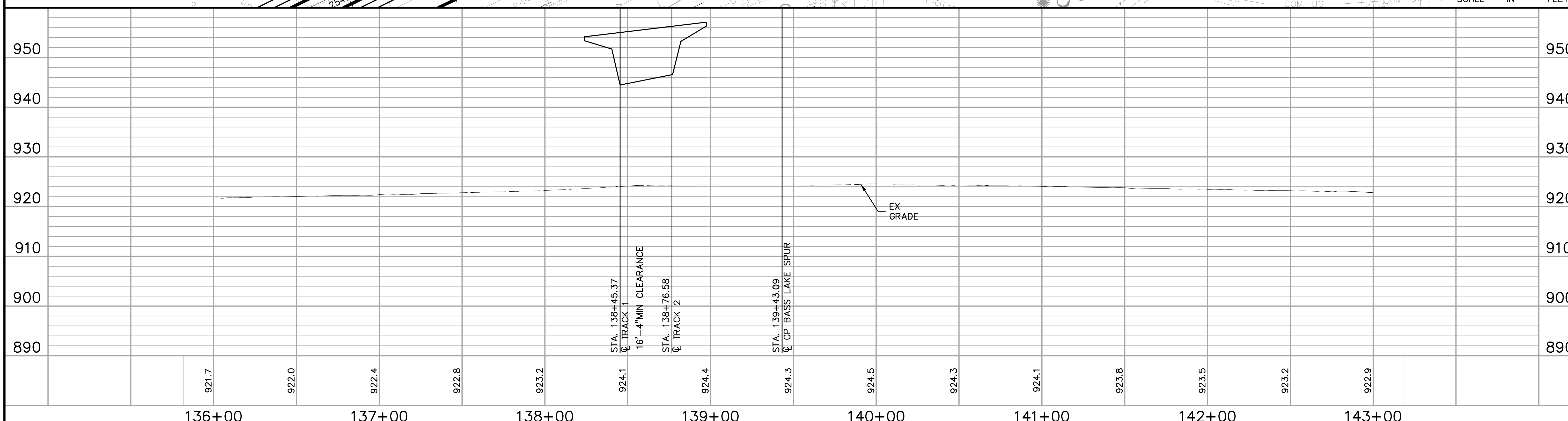
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

0 5 10 20
VERTICAL
0 15 30 60
HORIZONTAL
SCALE IN FEET



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

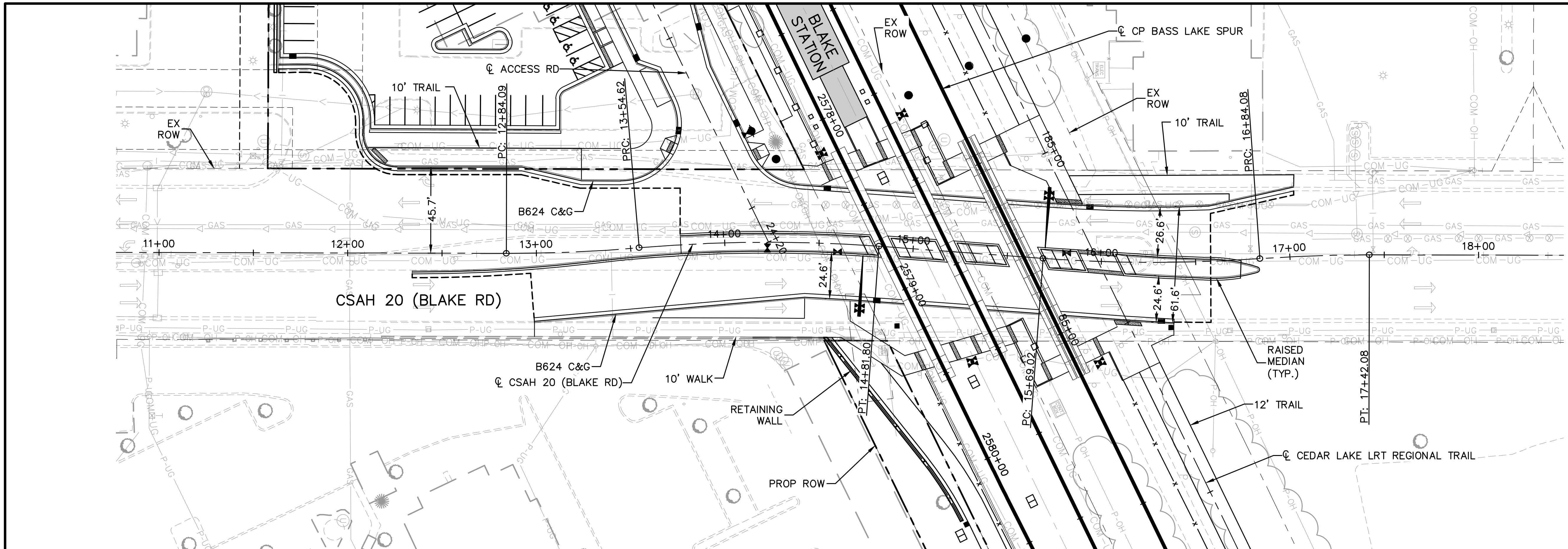
CIVIL EAST - VOLUME 2
CSAH 3 (EXCELSIOR BLVD)
PLAN AND PROFILE
STA. 136+00 TO STA. 143+00

DISCIPLINE: CIVIL

SHEET NAME: E1-CIV-PRF - 006

SHEET 59 OF 199

Sep. 21 2015 06:01 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E1-CIV-PRF.dwg By: Wedgehr



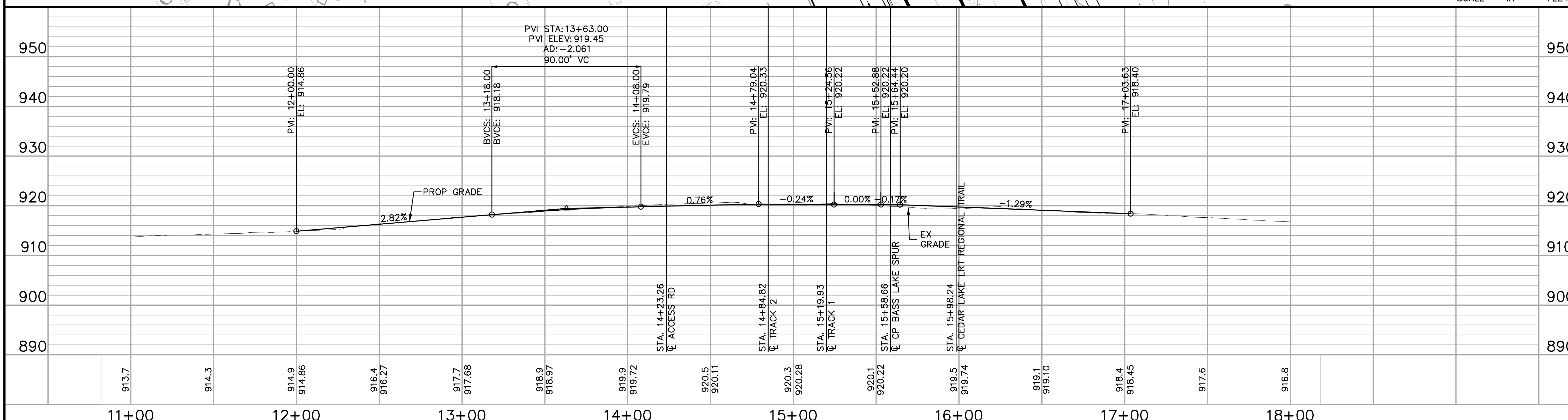
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE IN FEET: VERTICAL 0 5 10 20; HORIZONTAL 0 15 30 60



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

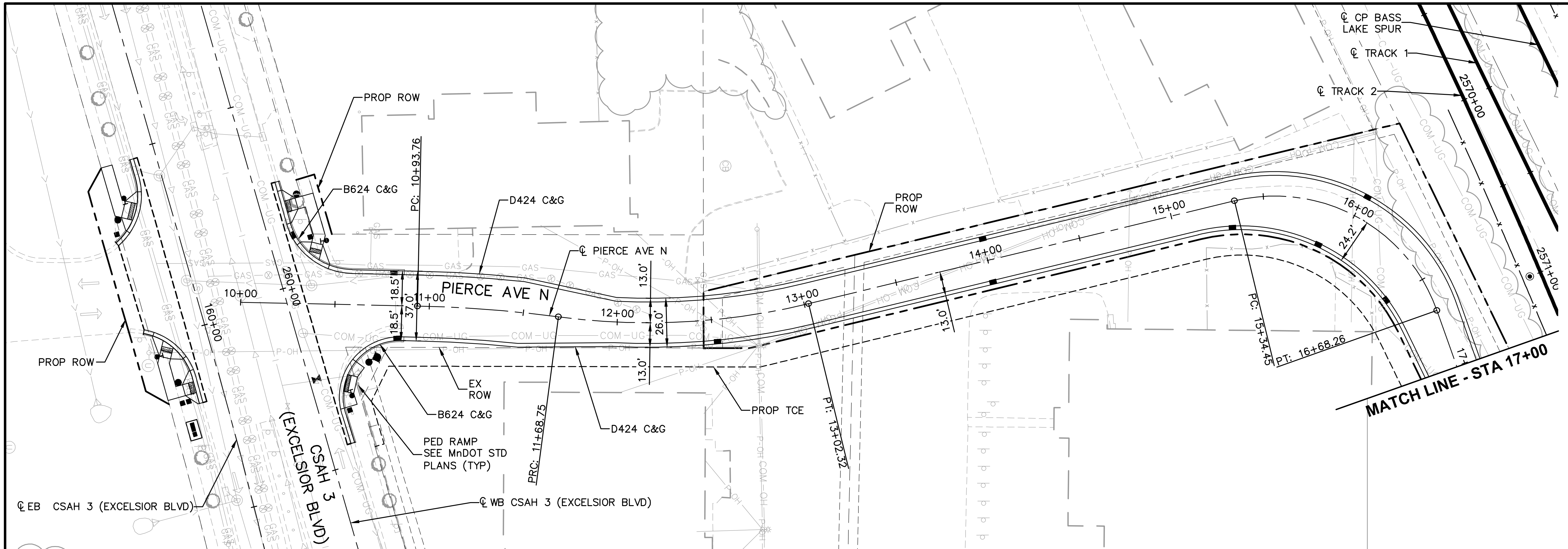
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CSAH 20 (BLAKE RD)
PLAN AND PROFILE
STA. 11+00 TO STA. 18+00

DISCIPLINE: CIVIL

SHEET NAME: E1-CIV-PRF - 007

SHEET 60 OF 199

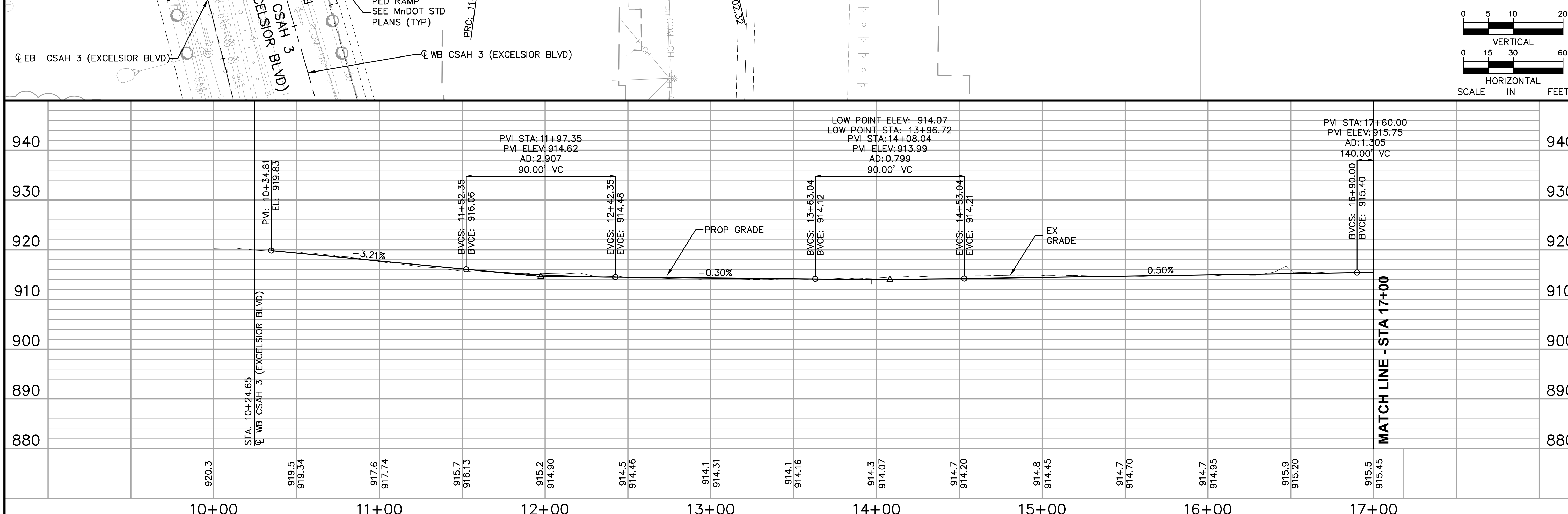


CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

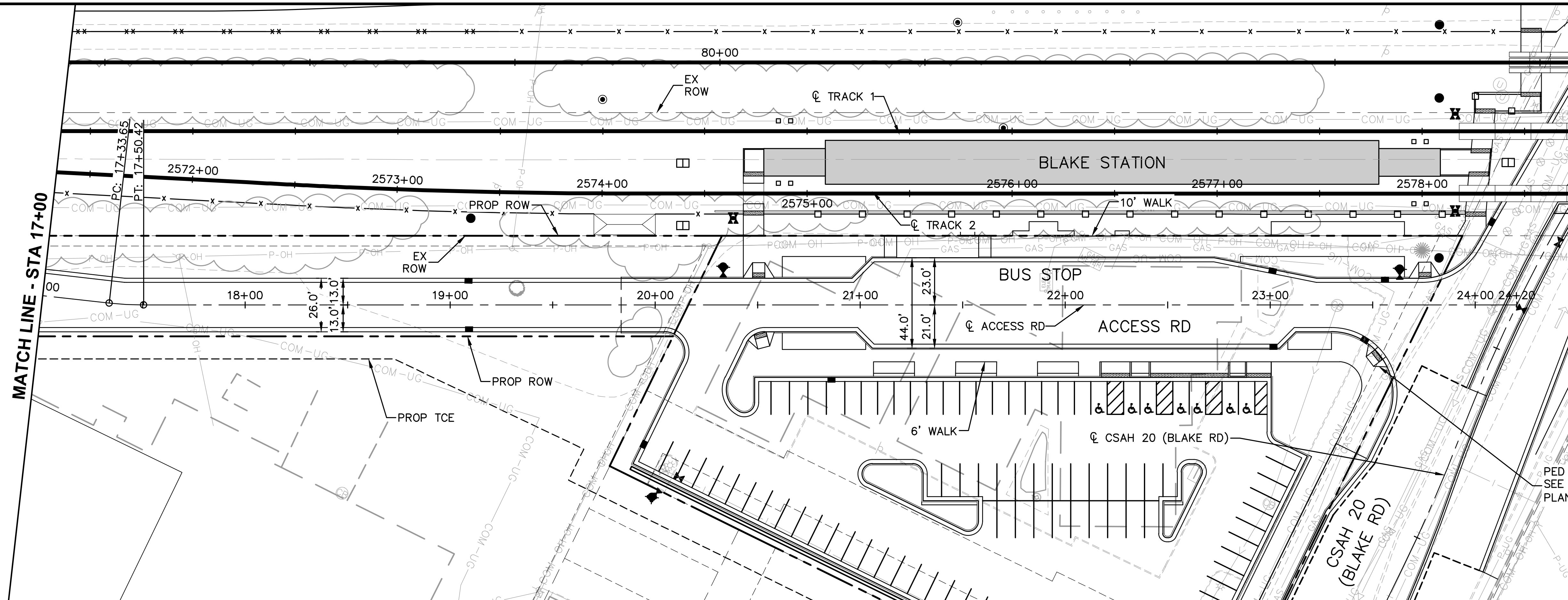
CIVIL EAST - VOLUME 2
PIERCE AVE N
PLAN AND PROFILE
STA. 10+00 TO STA. 17+00

DISCIPLINE: CIVIL

SHEET NAME: E1-CIV-PRF - 008

SHEET 61 OF 199

Sep. 21 2015 06:05 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E1-CIV-PRF.dwg By: Wedgehr



CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

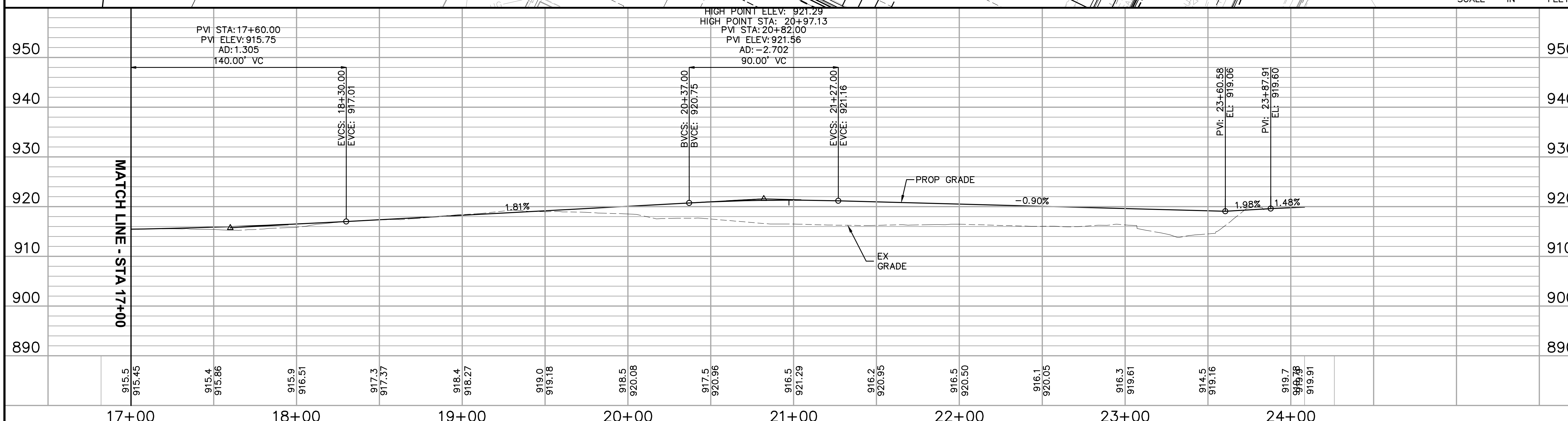
1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

PED RAMP SEE MnDOT STD PLANS (TYP)

0 5 10 20
VERTICAL

0 15 30 60
HORIZONTAL

SCALE IN FEET



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

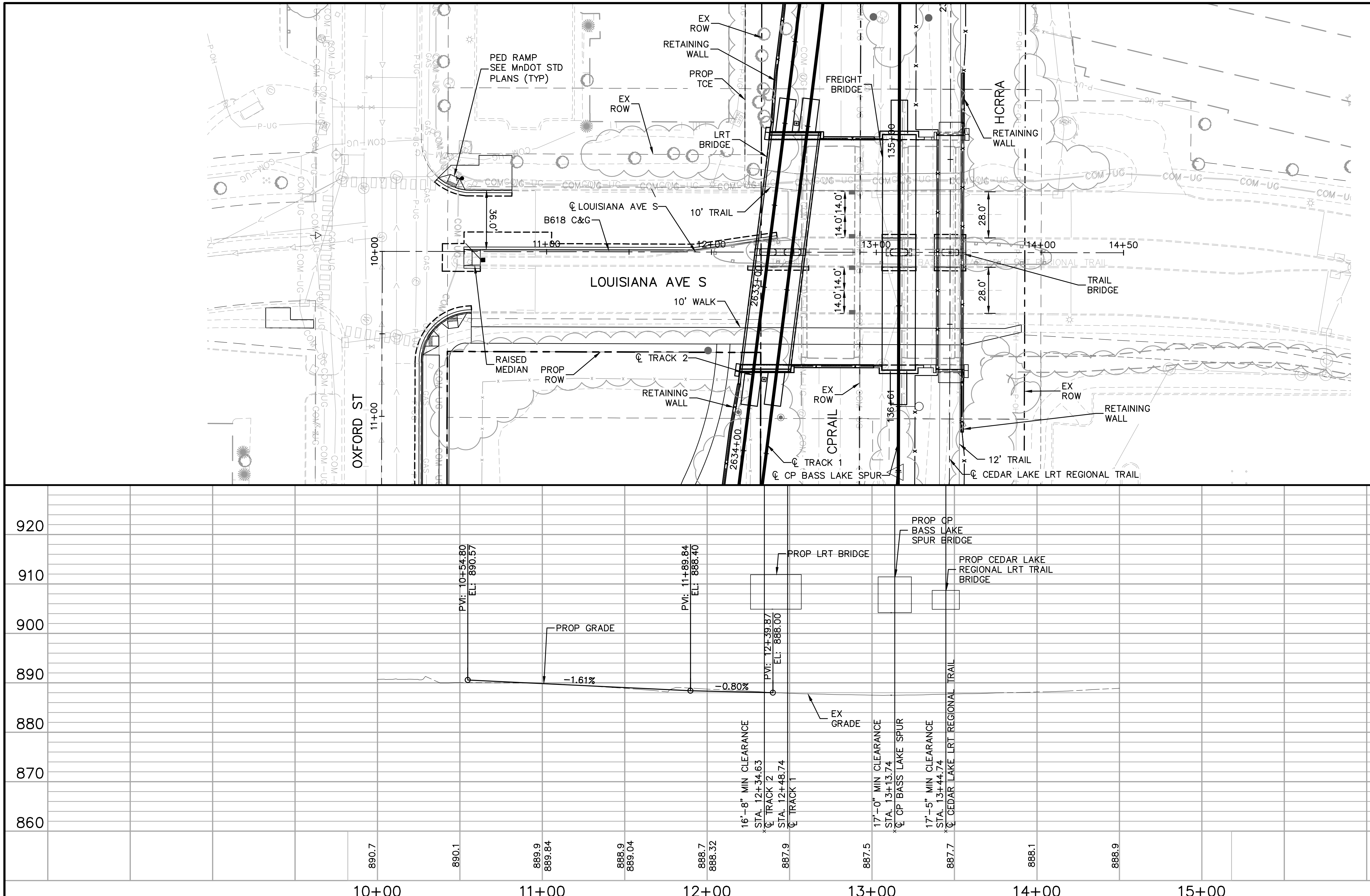
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ACCESS RD
PLAN AND PROFILE
STA. 17+00 TO STA. 24+50

DISCIPLINE: CIVIL

SHEET NAME: E1-CIV-PRF - 009



CONSTRUCTION NOTES

① XXXX

② XXXX

③ XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

0 5 10 20
VERTICAL
0 15 30 60
HORIZONTAL
SCALE IN FEET

Sep. 21 2015 06:12 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-CIV-PRF.dwg By: Wedgehr

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

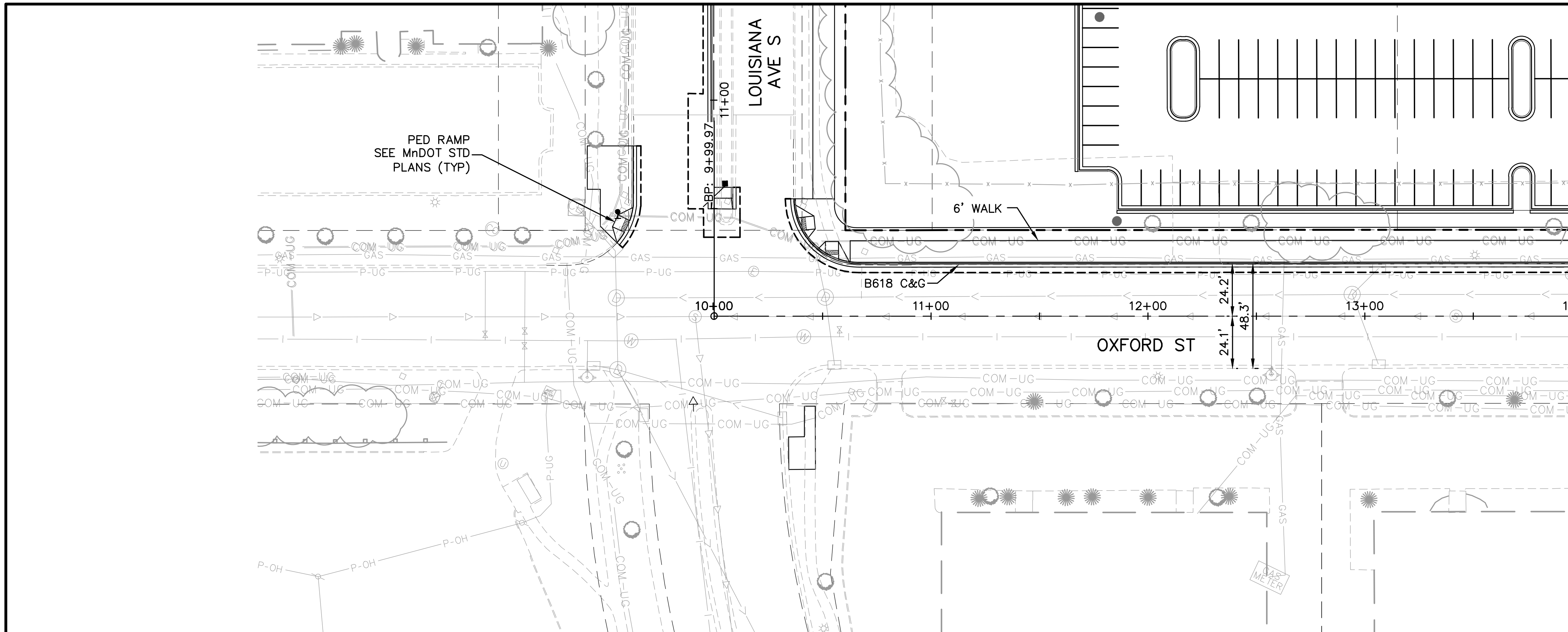
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
LOUISIANA AVE S
PLAN AND PROFILE
STA. 10+00 TO STA. 14+50

DISCIPLINE: ROADWAY

SHEET NAME: E2-CIV-PRF - 001

SHEET 63 OF 199

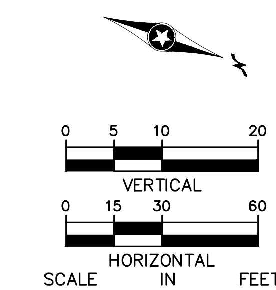


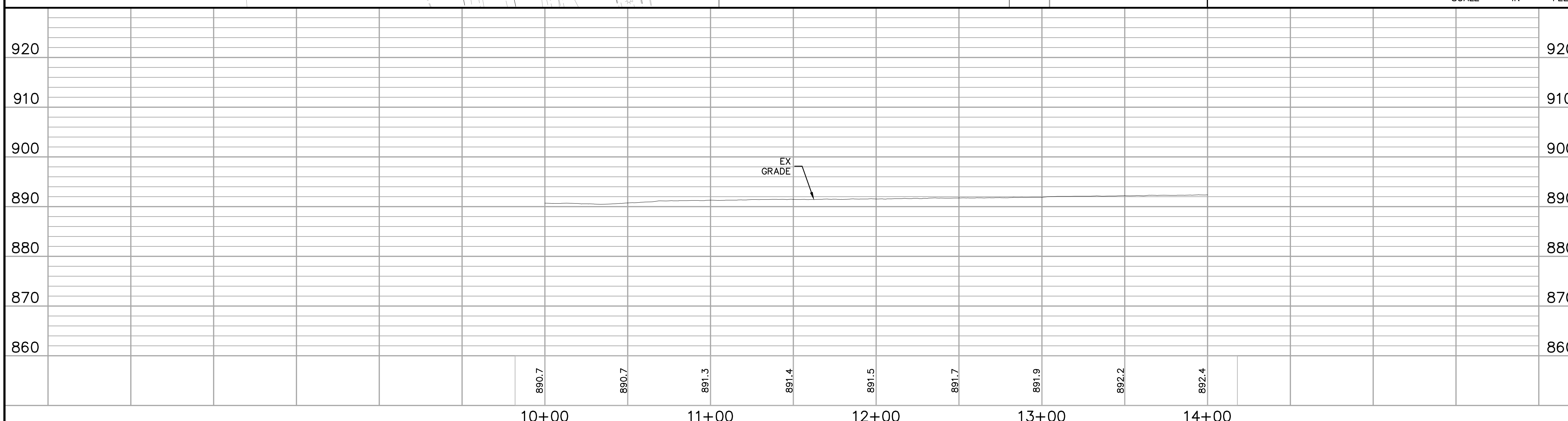
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

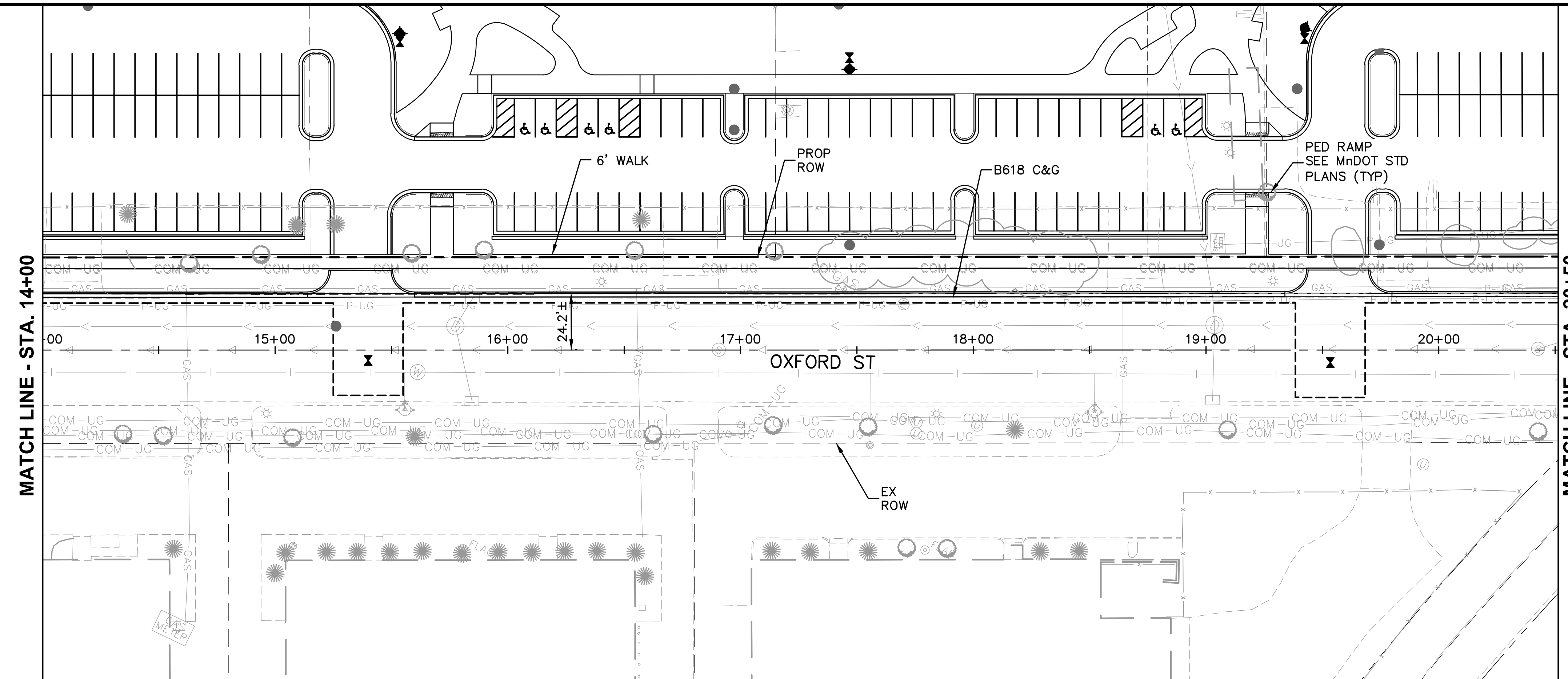
CIVIL EAST - VOLUME 2
OXFORD ST
PLAN AND PROFILE
STA. 10+00 TO STA. 14+00

DISCIPLINE: CIVIL

SHEET NAME: E2-CIV-PRF - 002

SHEET 64 OF 199

Sep. 21 2015 06:14 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-CIV-PRF.dwg By: Wedgehr



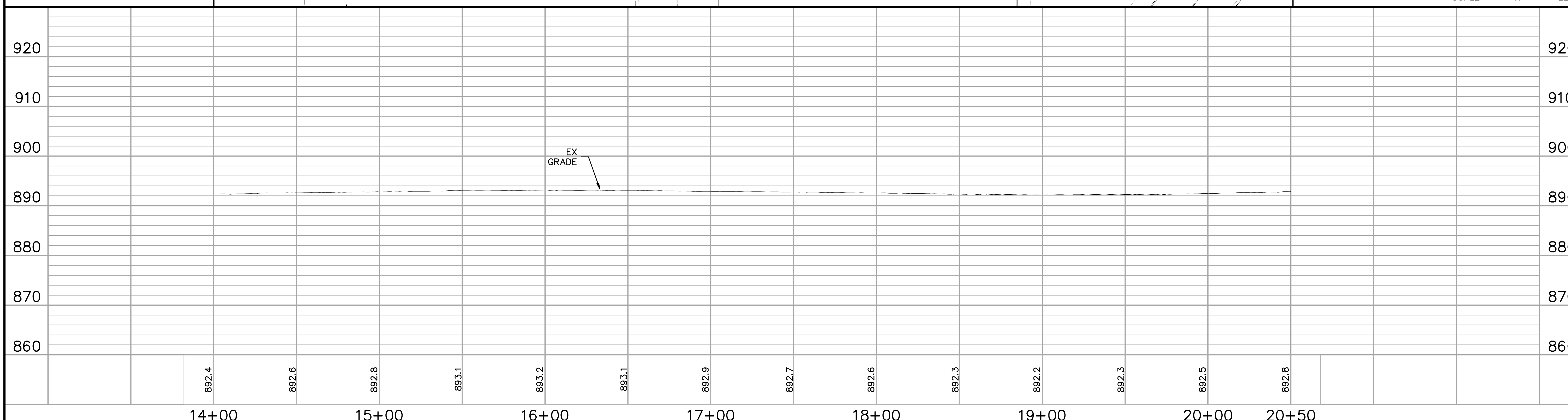
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE IN FEET
VERTICAL: 0 5 10 20
HORIZONTAL: 0 15 30 60



Sep. 21 2015 06:16 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-CIV-PRF.dwg By: Wedgehr

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

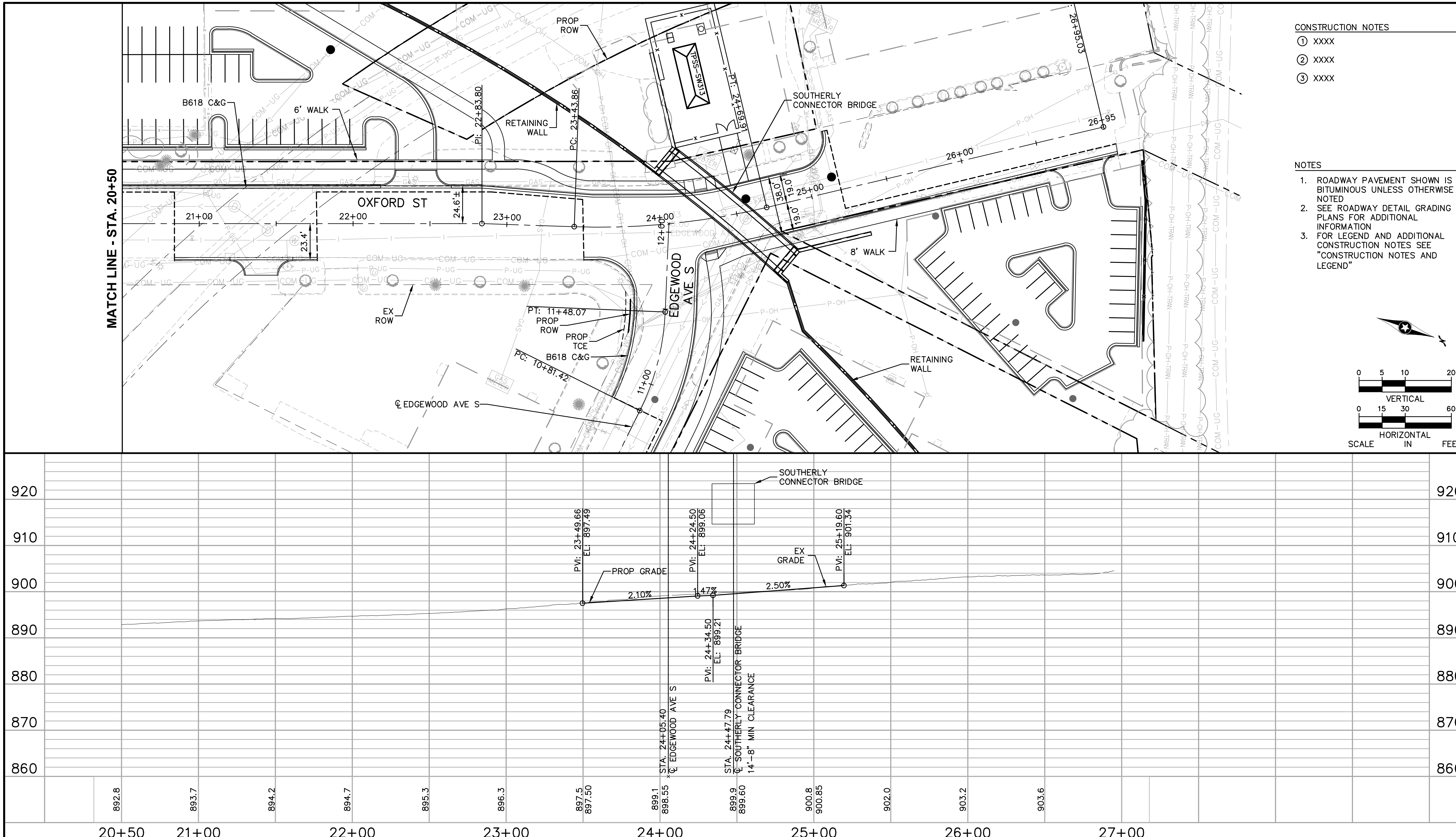
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
OXFORD ST
PLAN AND PROFILE
STA. 14+00 TO STA. 20+50

DISCIPLINE: CIVIL

SHEET NAME: E2-CIV-PRF - 003

SHEET 65 OF 199



CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE IN FEET — VERTICAL 0 5 10 20; HORIZONTAL 0 15 30 60

Sep. 21 2015 06:18 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-CIV-PRF.dwg By: Wedgehr

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

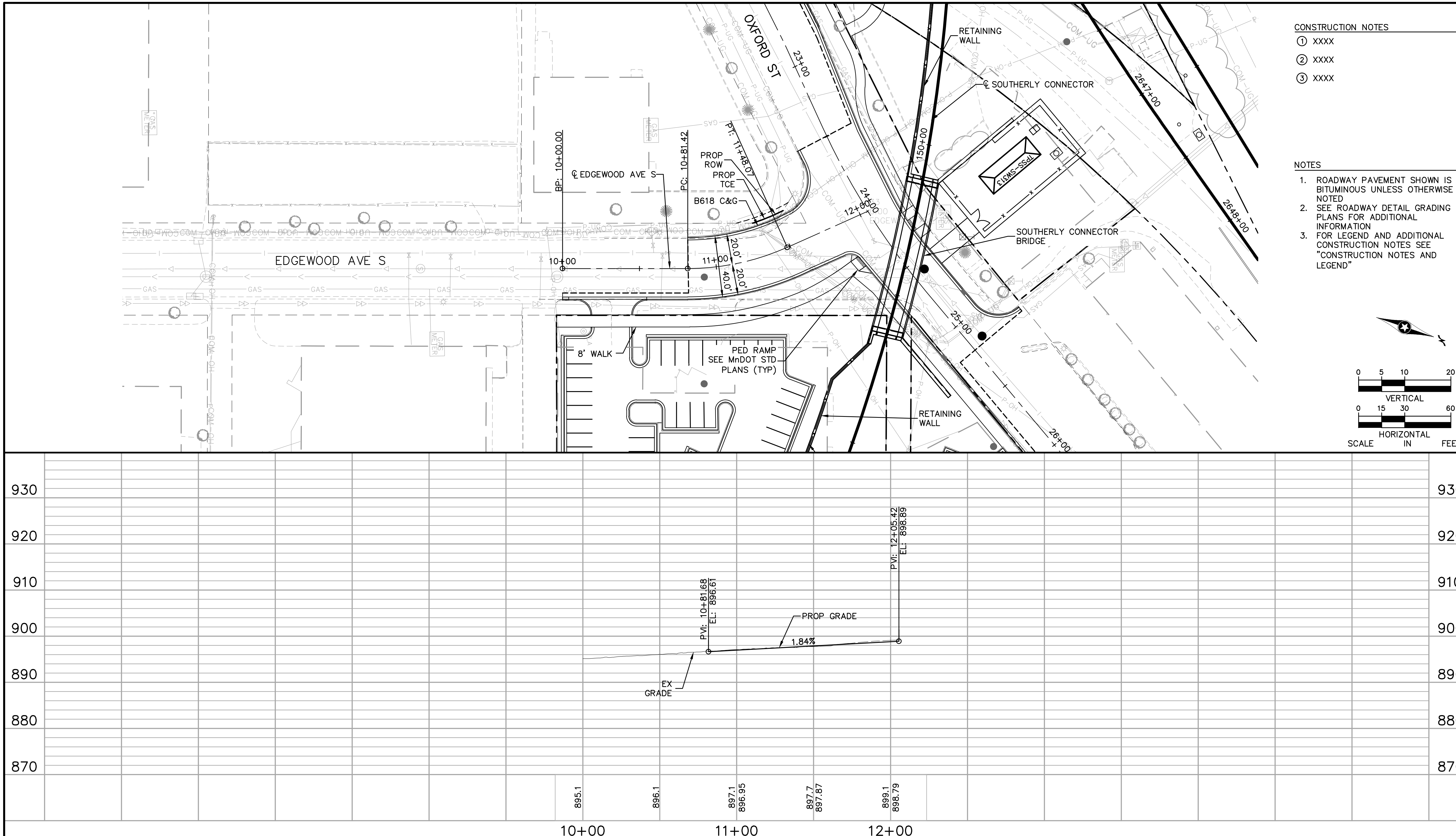
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
OXFORD ST
PLAN AND PROFILE
STA. 20+50 TO STA. 27+00

DISCIPLINE: CIVIL

SHEET NAME: E2-CIV-PRF - 004



CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

Sep. 21 2015 06:20 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-CIV-PRF.dwg By: Wedgehr

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

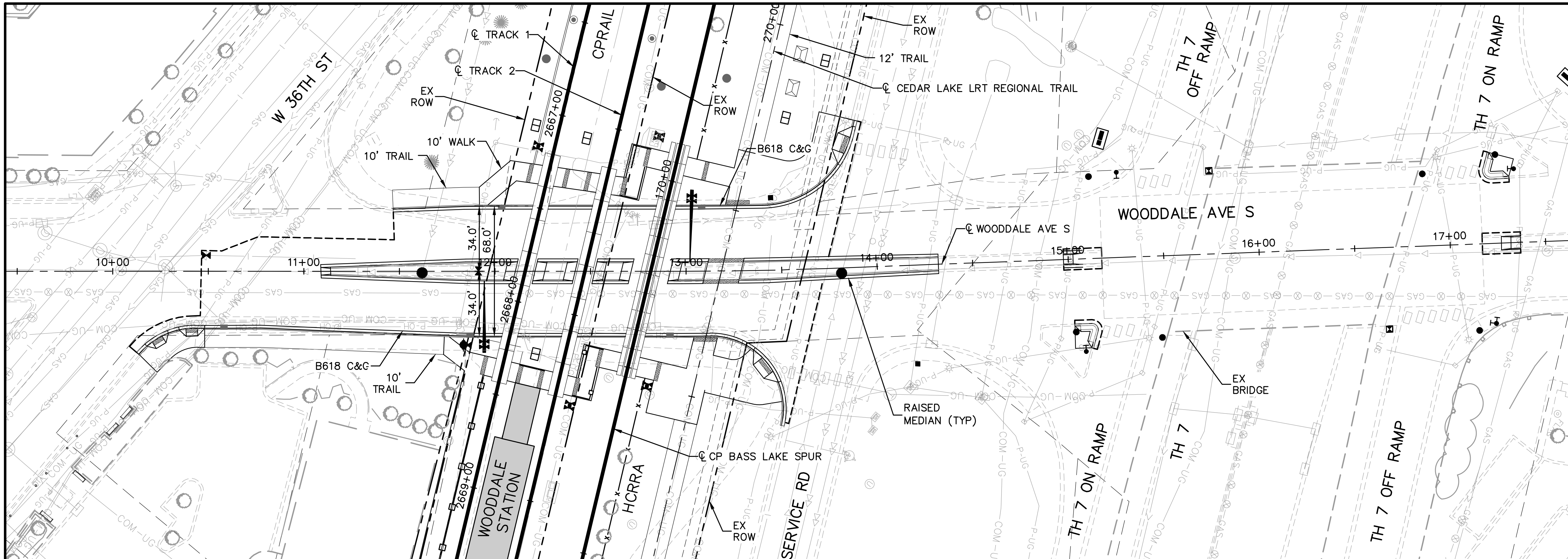
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
EDGEWOOD AVE S
PLAN AND PROFILE
STA. 10+00 TO STA. 12+05.42

DISCIPLINE: CIVIL

SHEET NAME: E2-CIV-PRF - 005

SHEET 67 OF 199



CONSTRUCTION NOTES

① XXXX

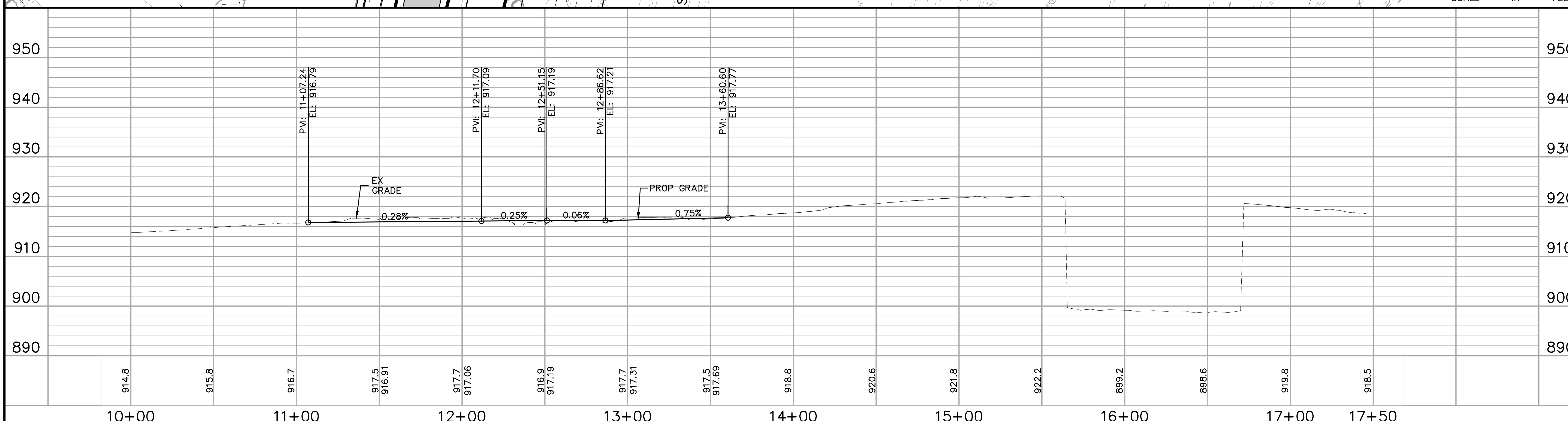
② XXXX

③ XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

0 5 10 20
VERTICAL
0 15 30 60
HORIZONTAL
SCALE IN FEET



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

60% SUBMISSION - 09/28/15

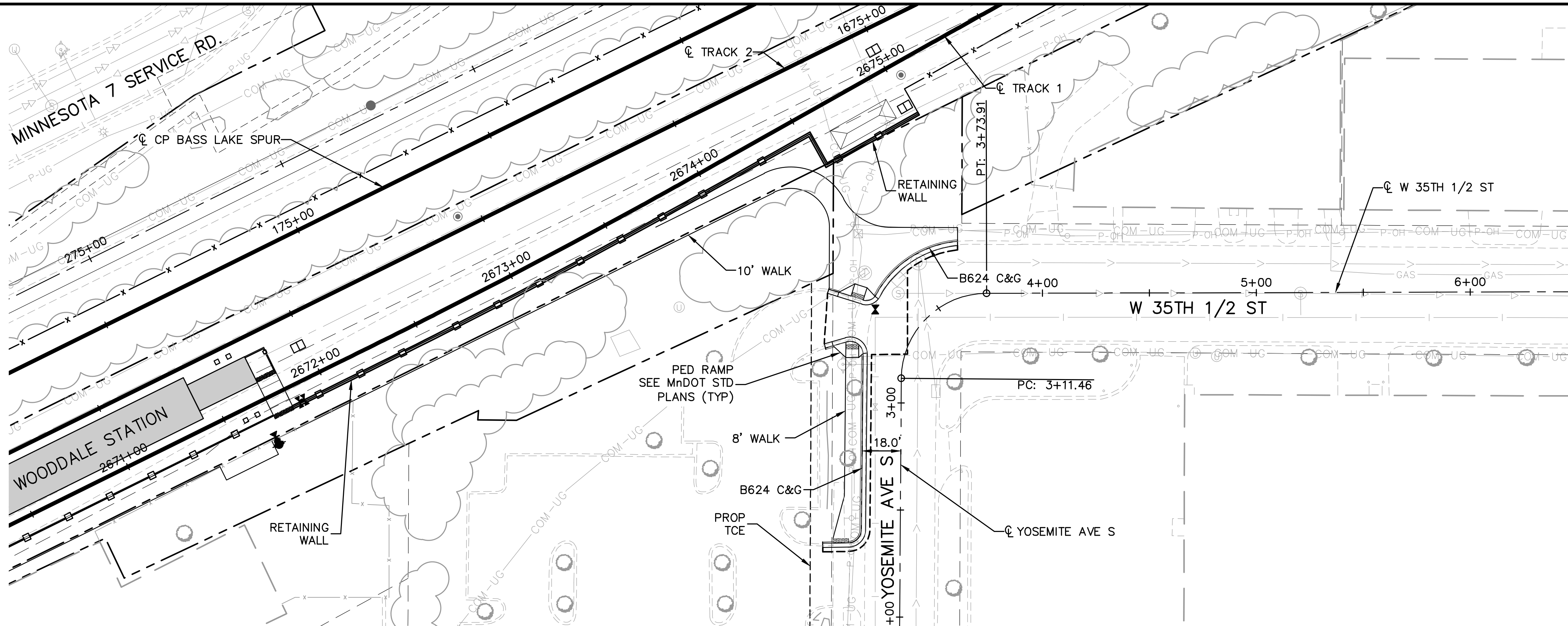
CIVIL EAST - VOLUME 2
WOODDALE AVE
PLAN AND PROFILE
STA. 10+00 TO STA. 17+50

DISCIPLINE: CIVIL

SHEET NAME: E2-CIV-PRF - 006

SHEET 68 OF 199

Sep. 21 2015 06:23 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-CIV-PRF.dwg By: Wedgehr



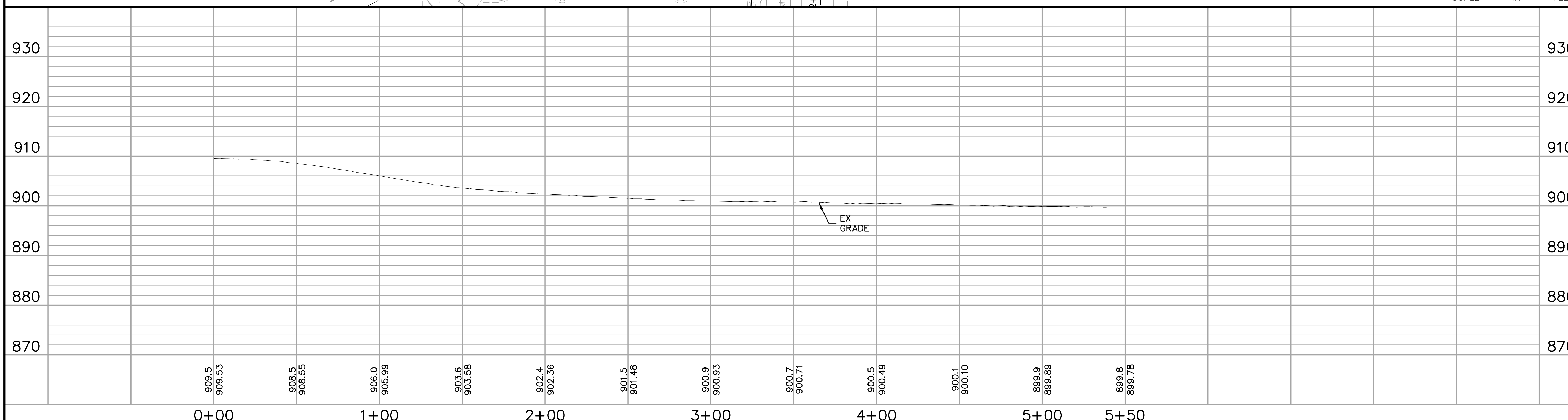
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE IN FEET: VERTICAL 0 5 10 20; HORIZONTAL 0 15 30 60



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

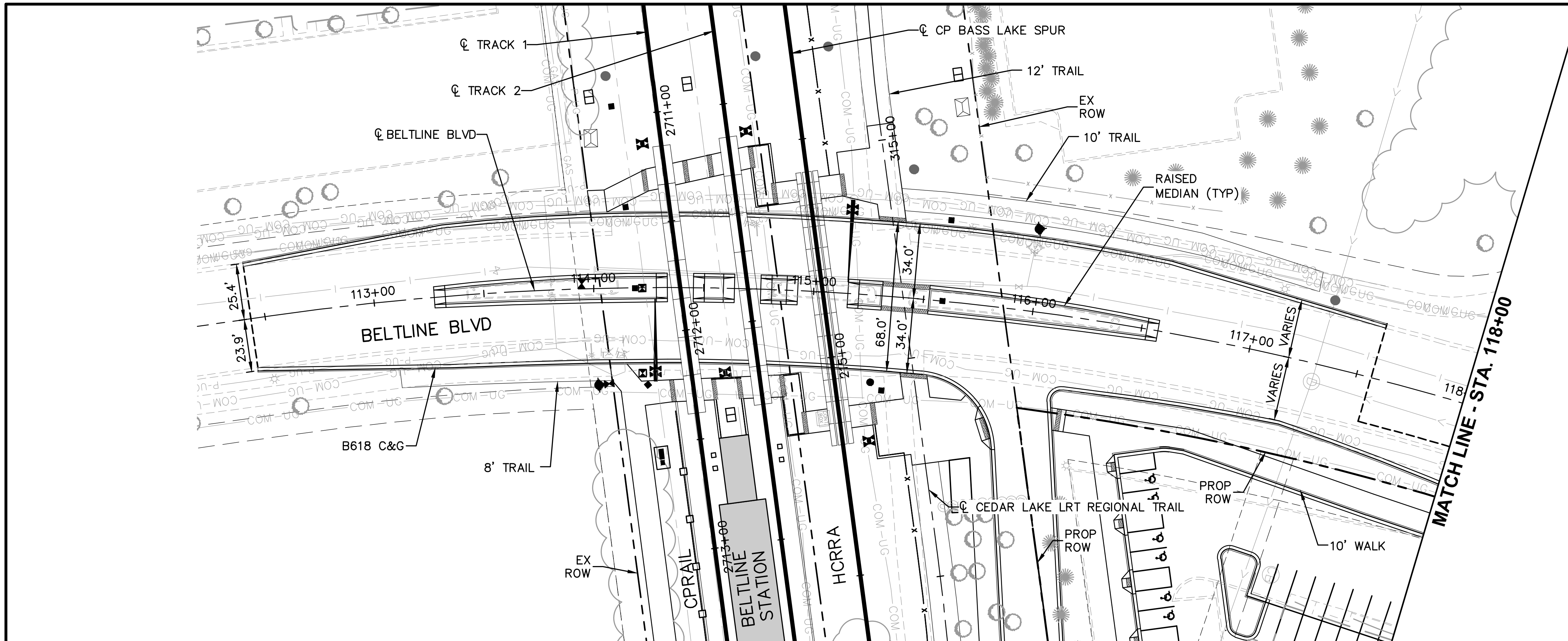
CIVIL EAST - VOLUME 2
YOSEMITE AVE S / W 35TH 1/2 ST
PLAN AND PROFILE
STA. 1+00 TO STA. 4+00

DISCIPLINE: CIVIL

SHEET NAME: E2-CIV-PRF - 007

SHEET 69 OF 199

Sep. 21 2015 06:25 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-CIV-PRF.dwg By: Wedgehr



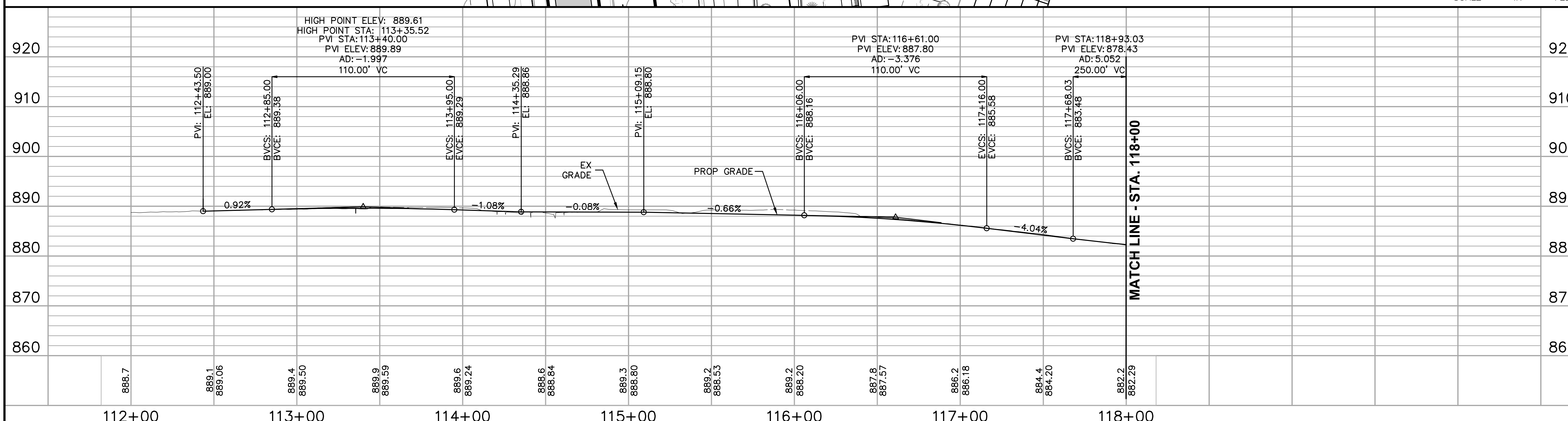
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

0 5 10 20
VERTICAL
0 15 30 60
HORIZONTAL
SCALE IN FEET



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

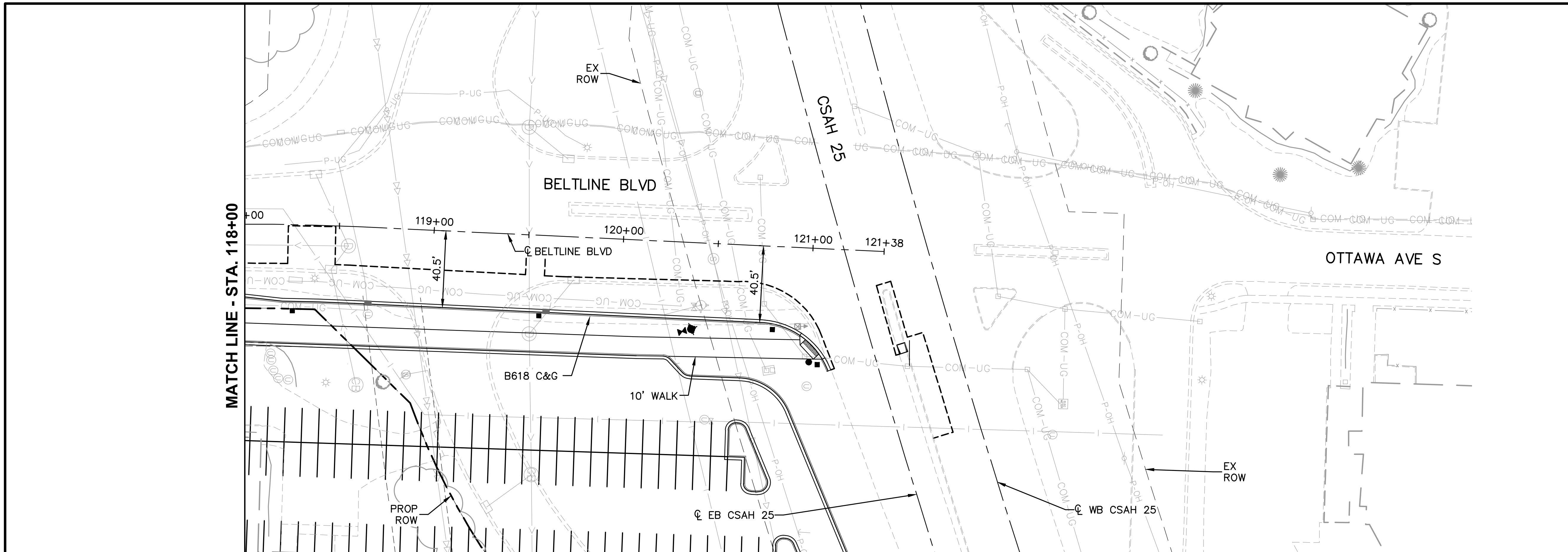
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
BELTLINE BLVD
PLAN AND PROFILE
STA. 112+00 TO STA. 118+00

DISCIPLINE: CIVIL

SHEET NAME: E2-CIV-PRF - 008



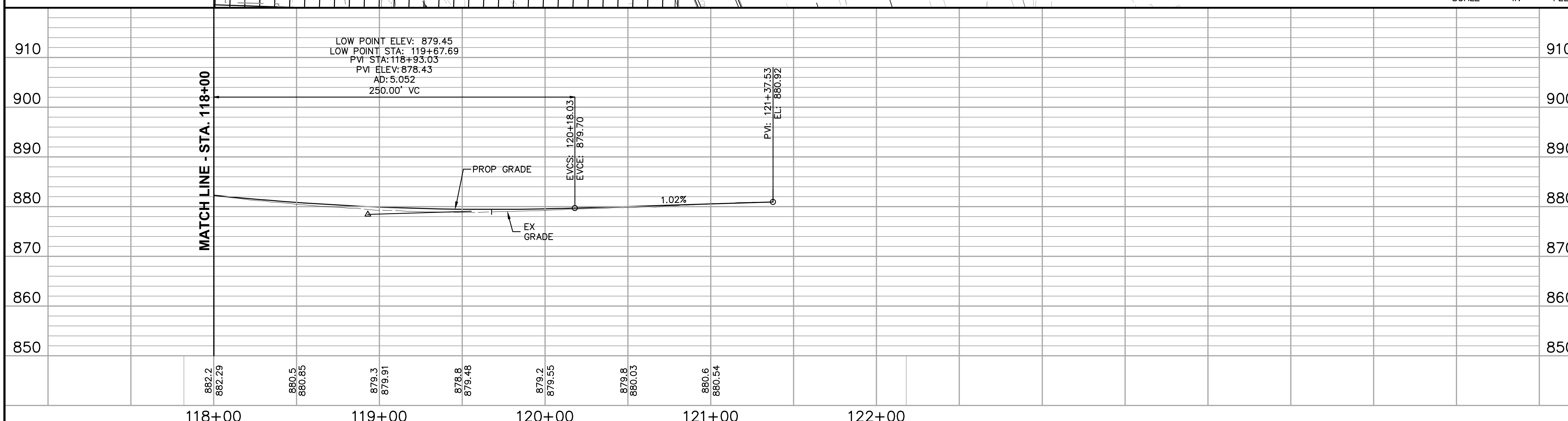
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

0 5 10 20
VERTICAL
0 15 30 60
HORIZONTAL
SCALE IN FEET



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

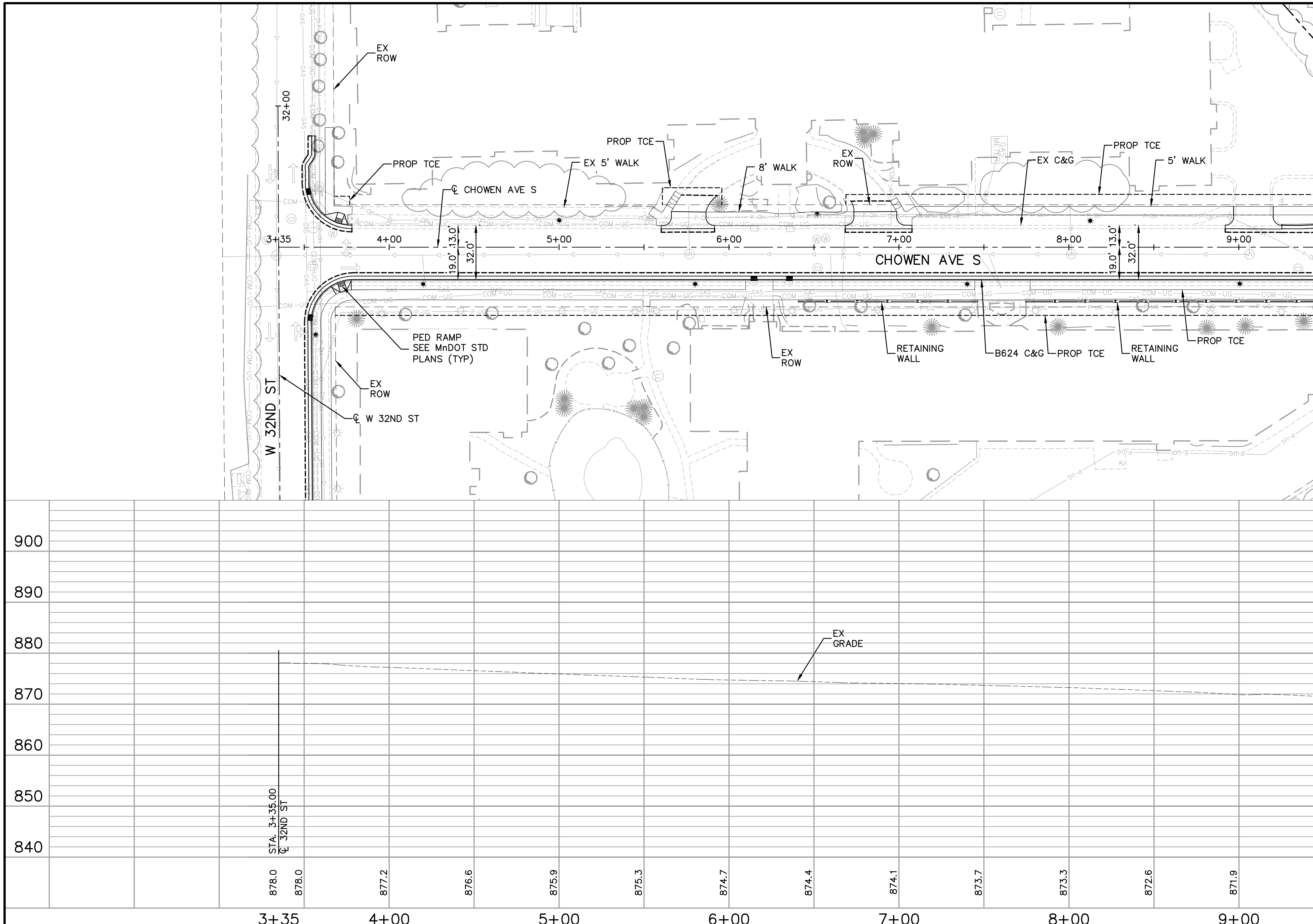
CIVIL EAST - VOLUME 2
BELTLINE BLVD
PLAN AND PROFILE
STA. 118+00 TO STA. 121+38

DISCIPLINE: CIVIL

SHEET NAME: E2-CIV-PRF - 009

SHEET 71 OF 199

Sep. 21 2015 06:29 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-CIV-PRF.dwg By: Wedgehr



CONSTRUCTION NOTES

① XXXX

② XXXX

③ XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

VERTICAL 0 5 10 20

HORIZONTAL 0 15 30 60

SCALE IN FEET

Sep. 21 2015 06:35 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E3-CIV-PRF.dwg By: Wedgehr

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

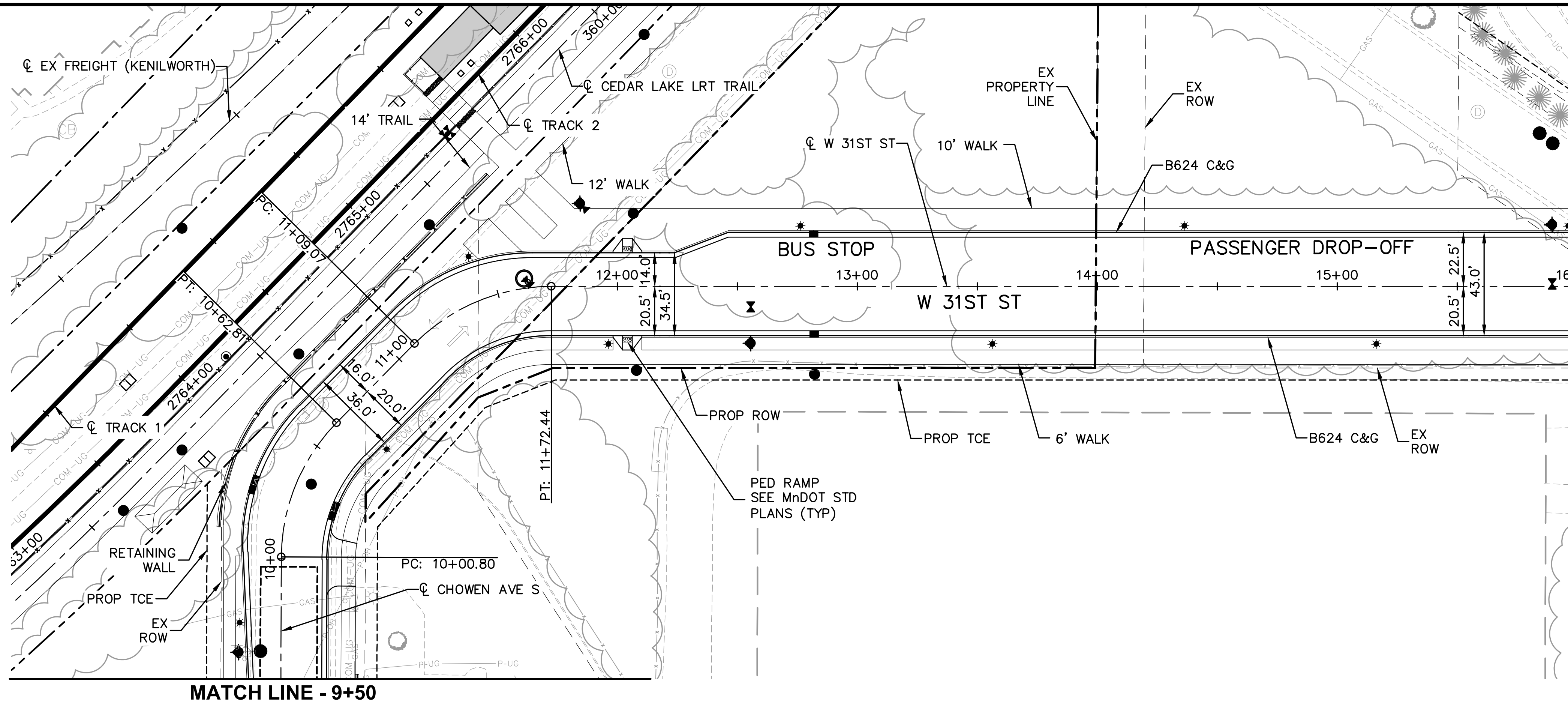
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CHOWEN AVE S
PLAN AND PROFILE
STA. 3+35 TO STA. 9+50

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF - 001

SHEET 72 OF 199



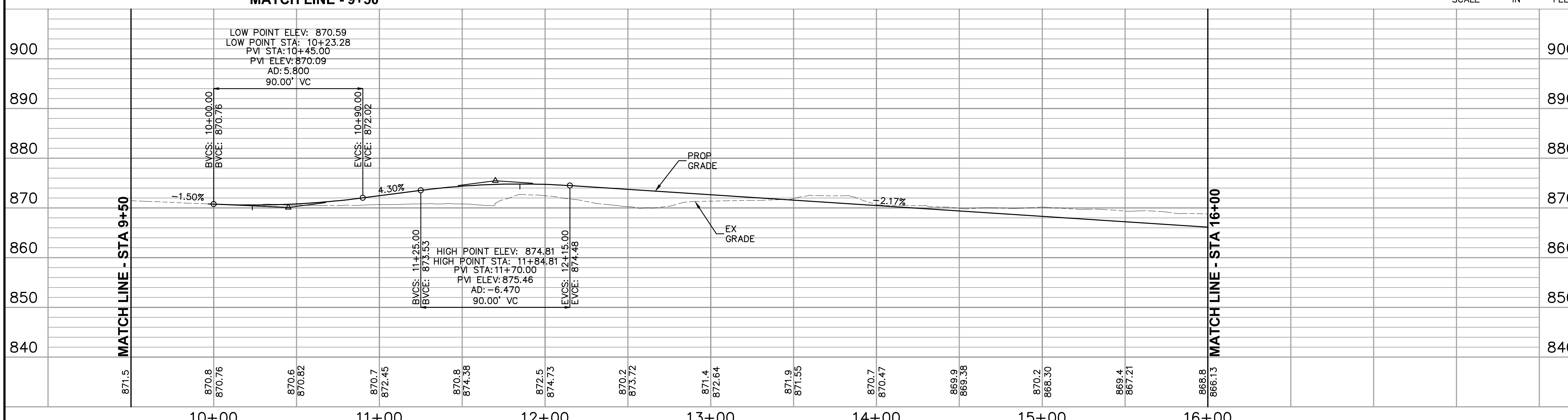
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE IN FEET: VERTICAL 0 5 10 20; HORIZONTAL 0 15 30 60



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CHOWEN AVE S / W 31ST ST
PLAN AND PROFILE
STA. 9+50 TO STA. 16+00

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF - 002

SHEET 73 OF 199

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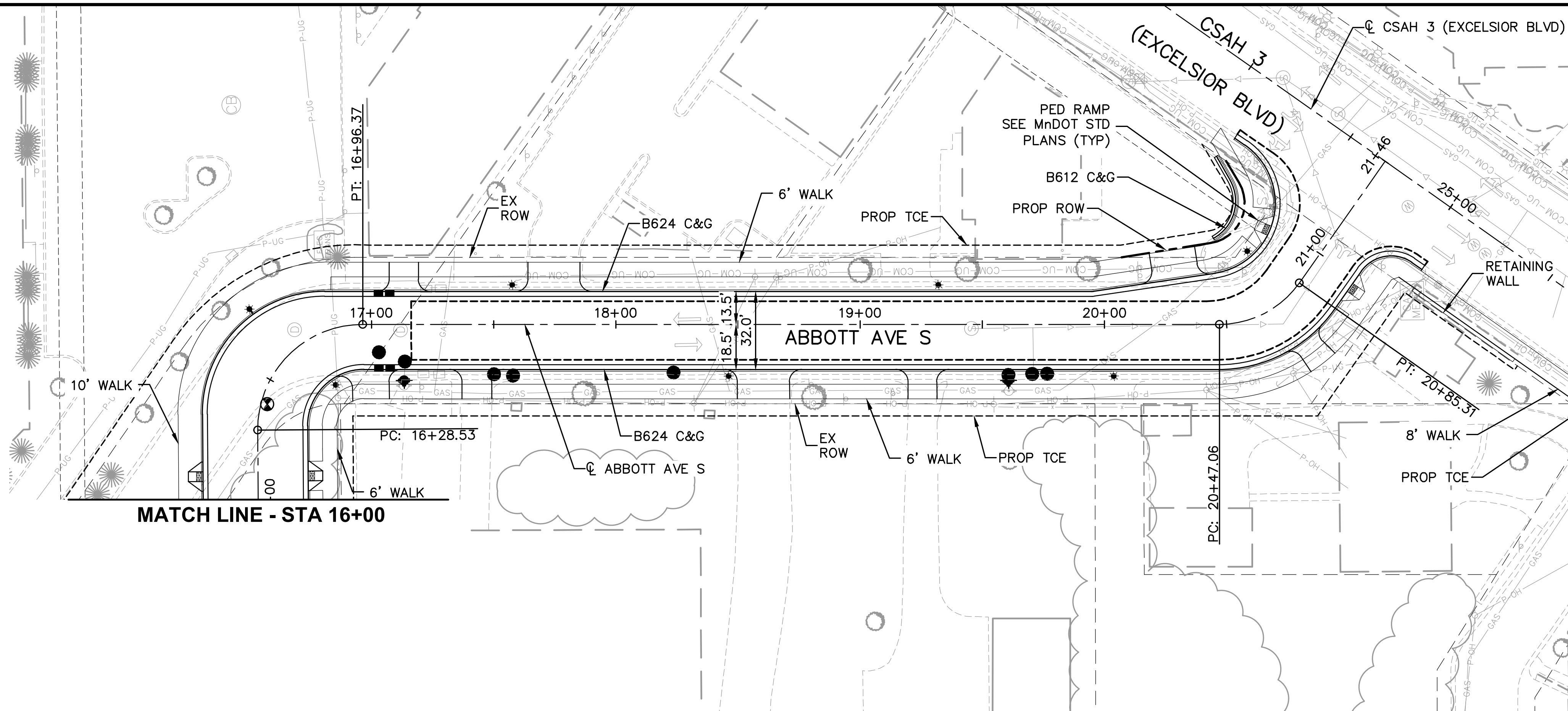


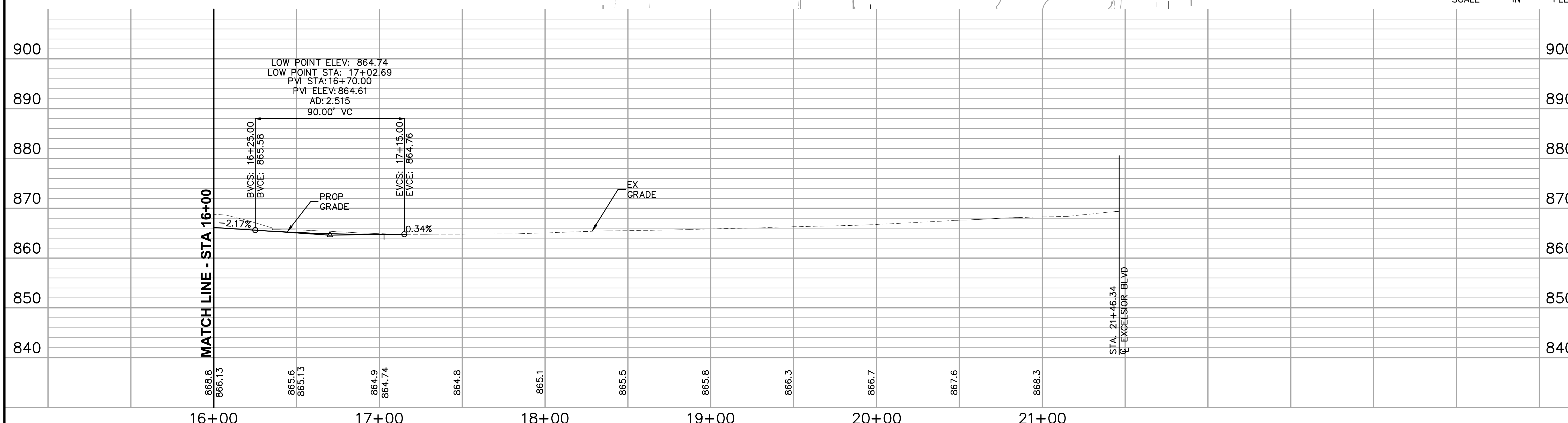
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

0 5 10 20
VERTICAL
0 15 30 60
HORIZONTAL
SCALE IN FEET



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

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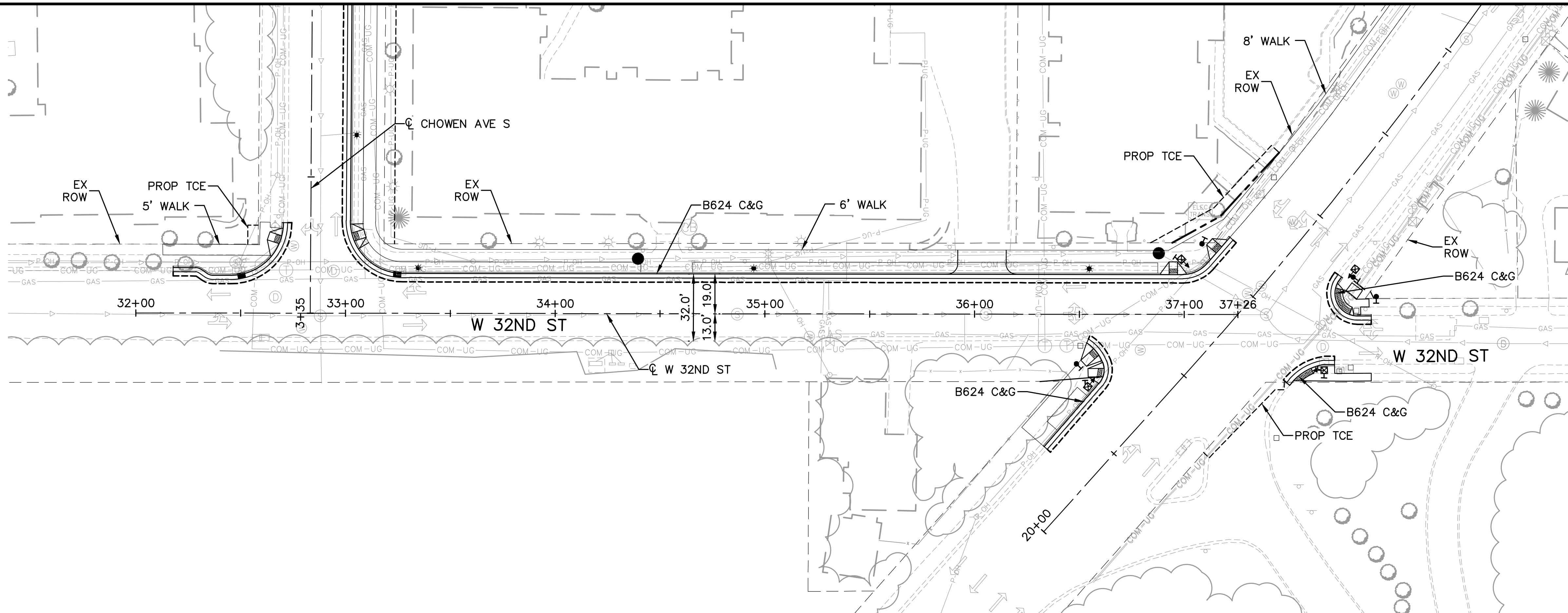
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ABBOTT AVE S
PLAN AND PROFILE
STA. 16+00 TO STA. 21+46

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF - 003



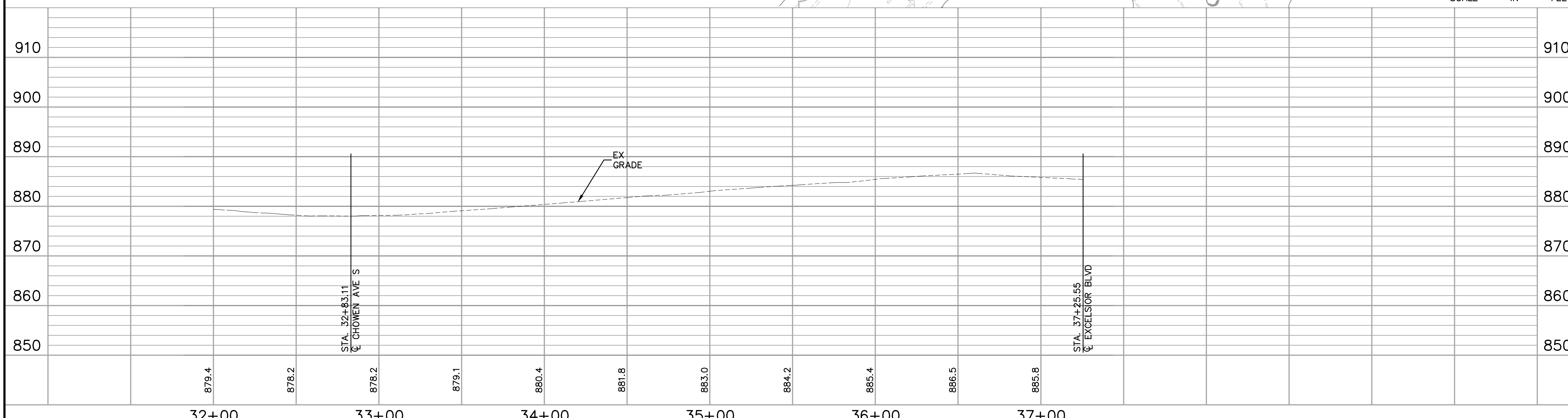
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

0 5 10 20
VERTICAL
0 15 30 60
HORIZONTAL
SCALE IN FEET



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

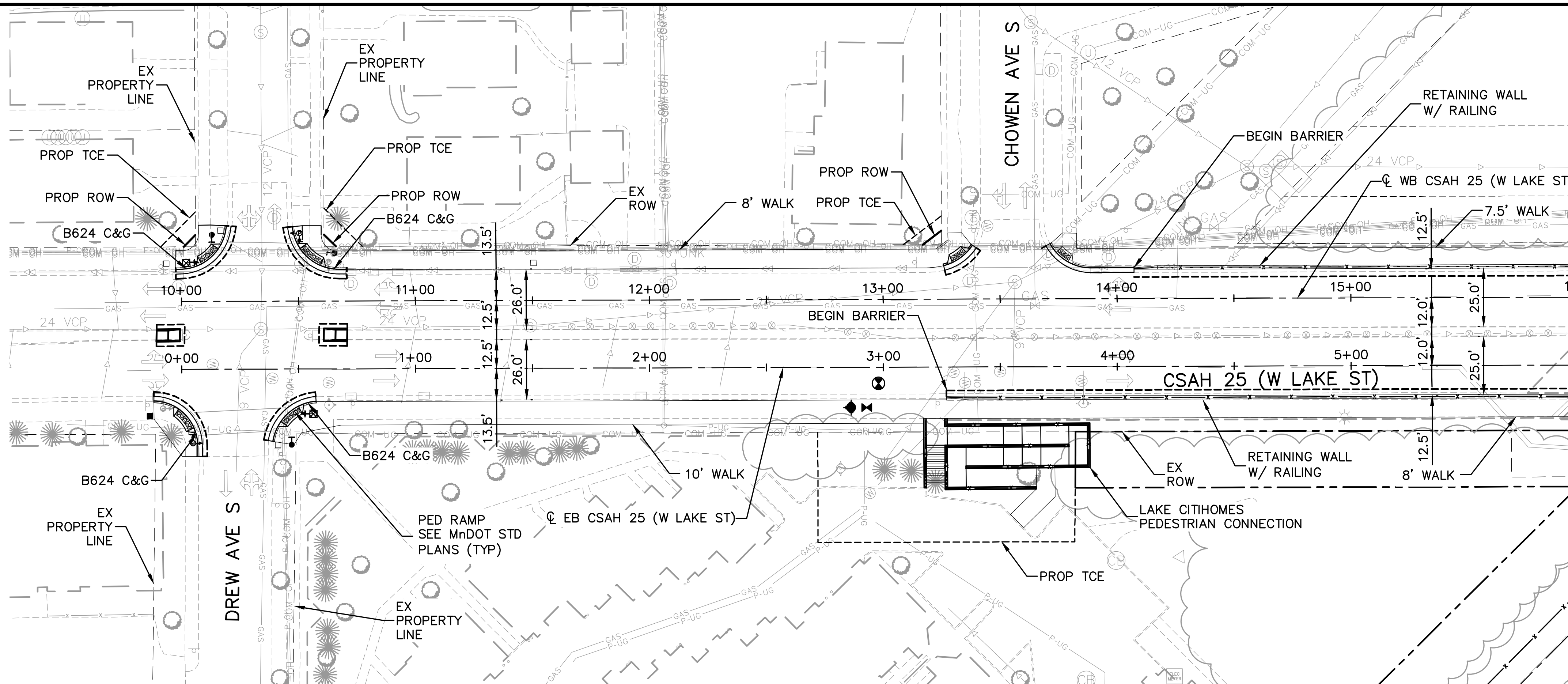
METROPOLITAN COUNCIL

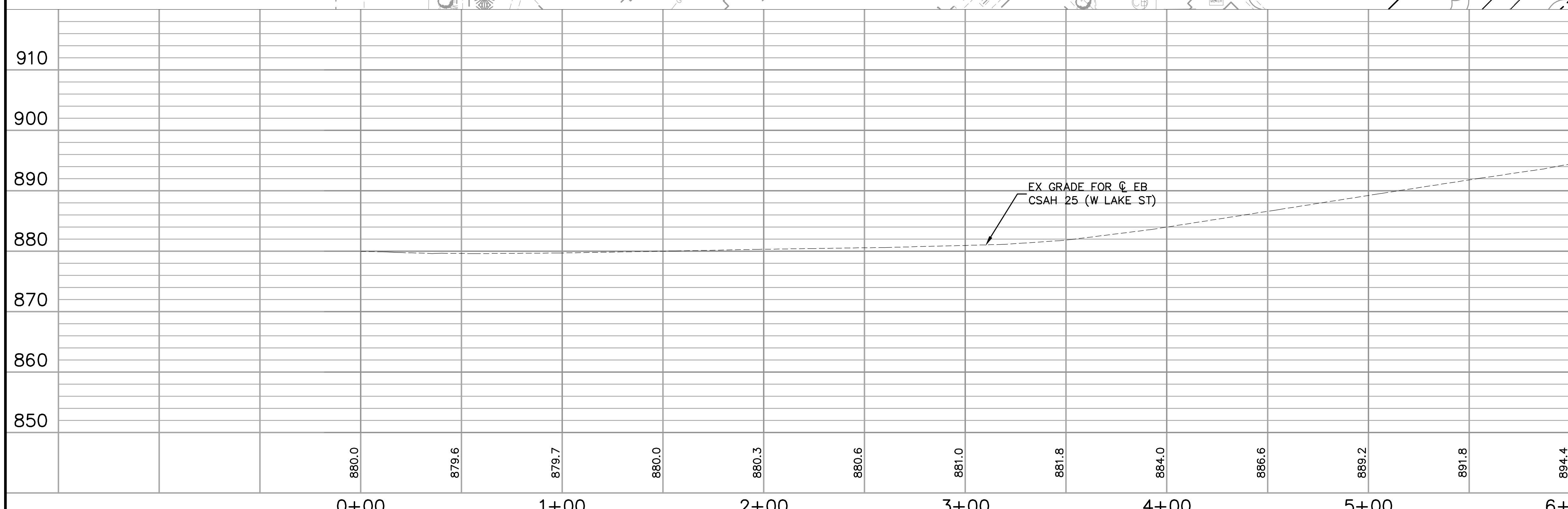
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
W 32ND ST
PLAN AND PROFILE
STA. 32+00 TO STA. 37+26

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF - 004





CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE IN FEET: VERTICAL 0 5 10 20; HORIZONTAL 0 15 30 60

Sep. 21 2015 06:38 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E3-CIV-PRF.dwg By: Wedgehr

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AECOM Kimley»Horn

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

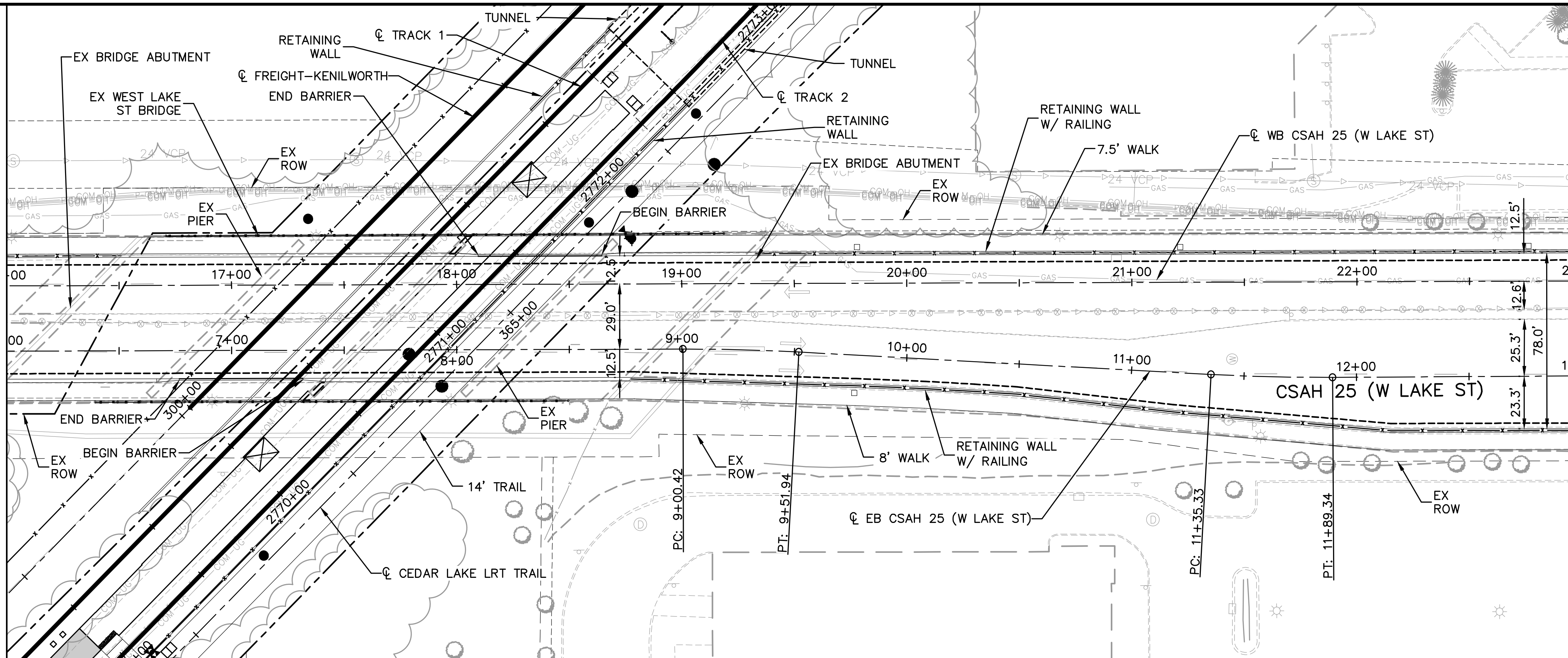
60% SUBMISSION - 09/28/15

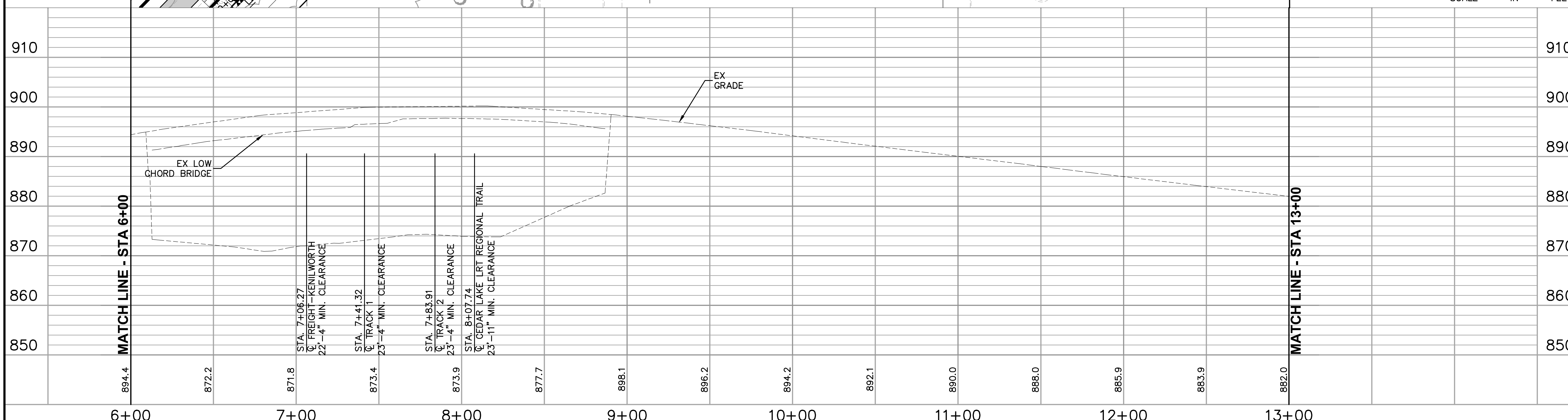
CIVIL EAST - VOLUME 2
CSAH 25 (W LAKE ST)
PLAN AND PROFILE
STA. 0+00 TO STA. 6+00

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF - 005

SHEET 76 OF 199





CONSTRUCTION NOTES

① XXXX

② XXXX

③ XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"
4. SEE BR 27037 MODIFICATION PLANS FOR ADDITIONAL INFORMATION

0 5 10 20
VERTICAL
0 15 30 60
HORIZONTAL
SCALE IN FEET

Sep. 21 2015 06:39 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E3-CIV-PRF.dwg By: Wedgehr

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

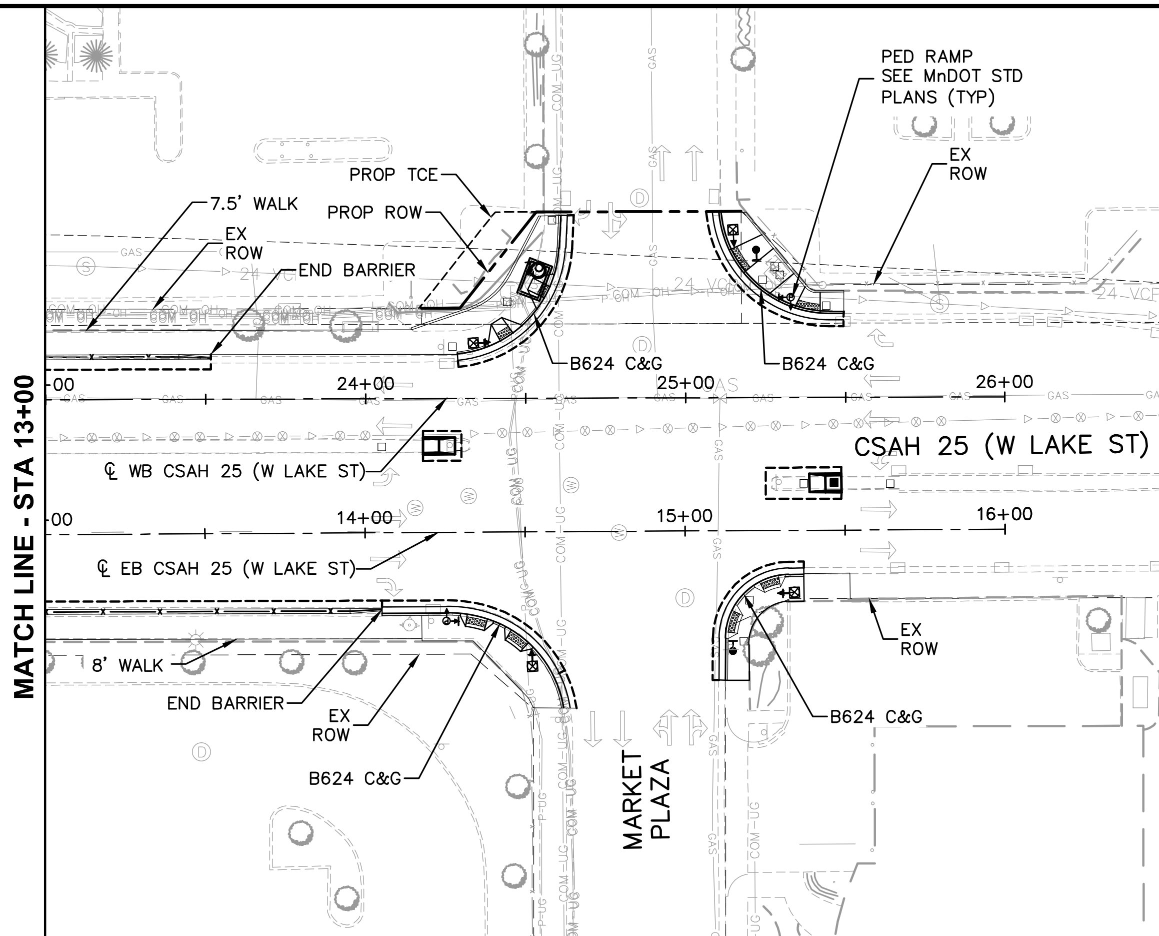
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CSAH 25 (W LAKE ST)
PLAN AND PROFILE
STA. 6+00 TO STA. 13+00

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF - 006

SHEET 77 OF 199

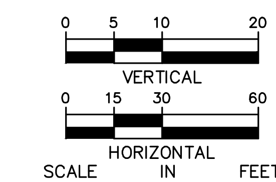


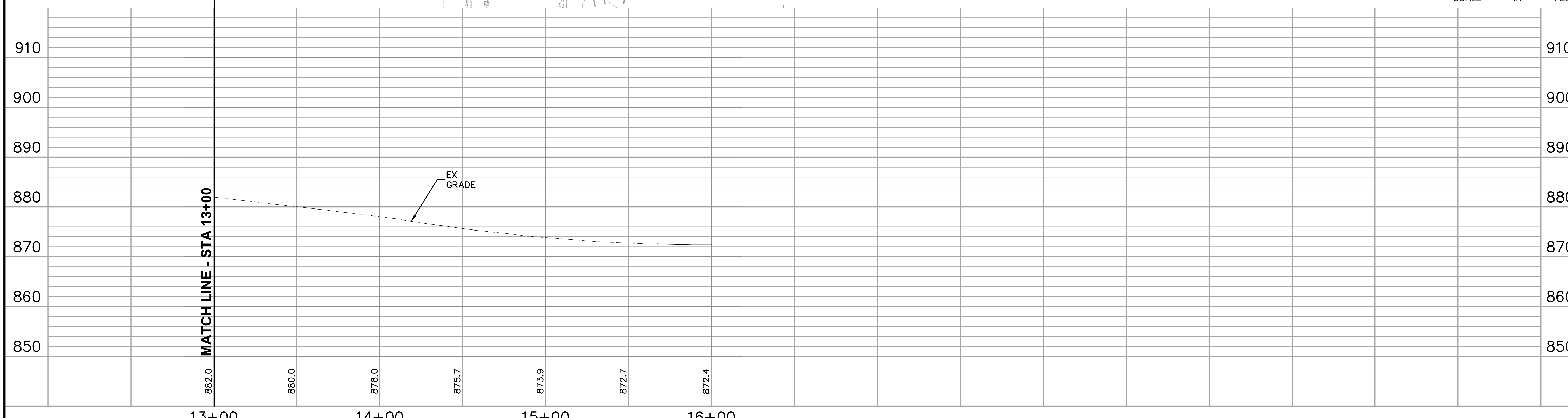
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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60% SUBMISSION - 09/28/15

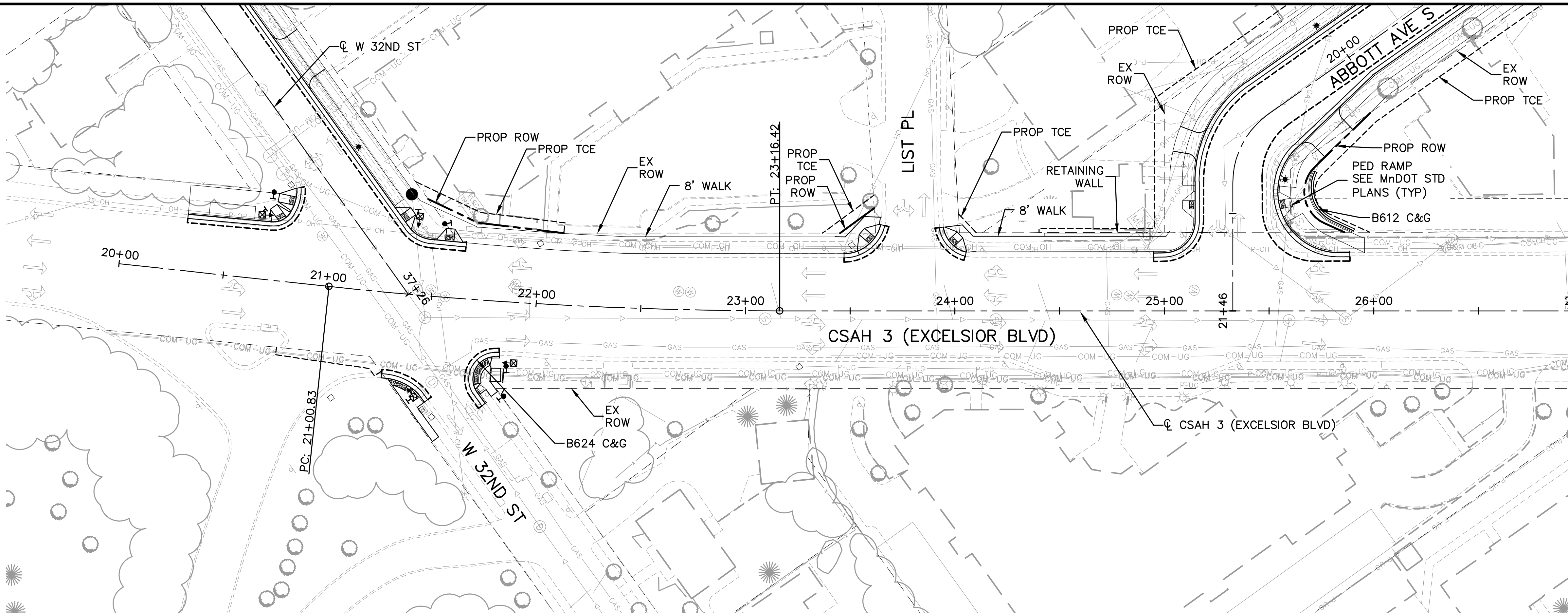
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CSAH 25 (W LAKE ST)
PLAN AND PROFILE
STA. 13+00 TO STA. 16+00

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF - 007



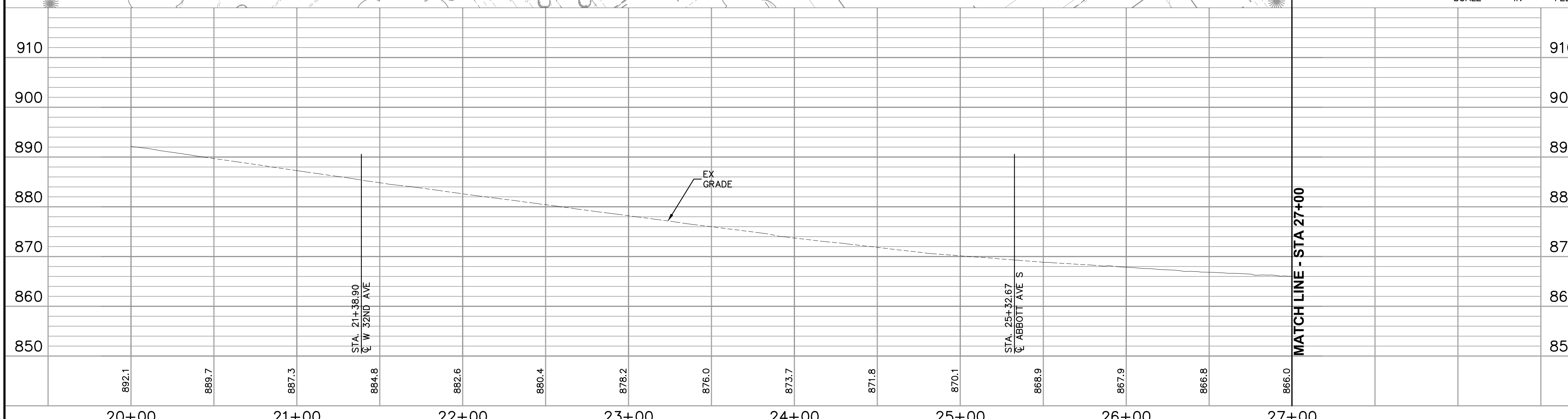
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE IN FEET: VERTICAL 0 5 10 20; HORIZONTAL 0 15 30 60



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

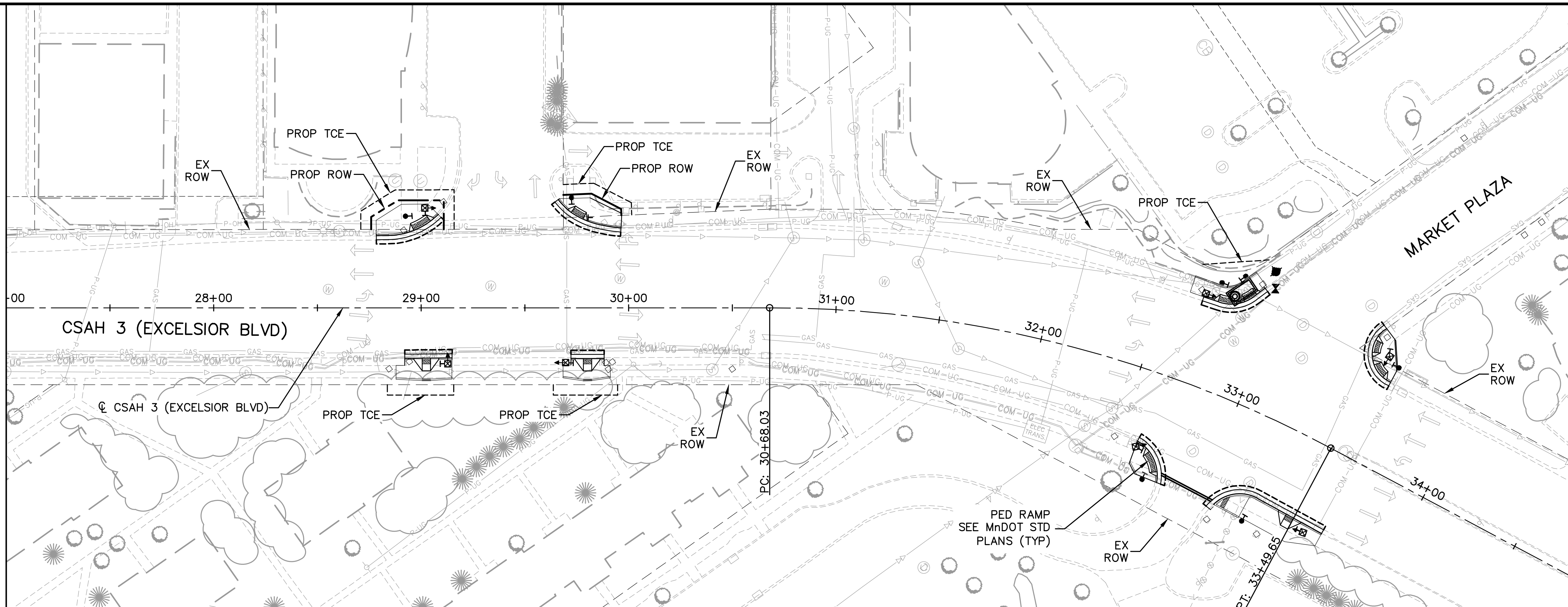
CIVIL EAST - VOLUME 2
CSAH 3 (EXCELSIOR BLVD)
PLAN AND PROFILE
STA. 20+00 TO STA. 27+00

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF - 008

SHEET 79 OF 199

Sep. 21 2015 06:41 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E3-CIV-PRF.dwg By: Wedgehr



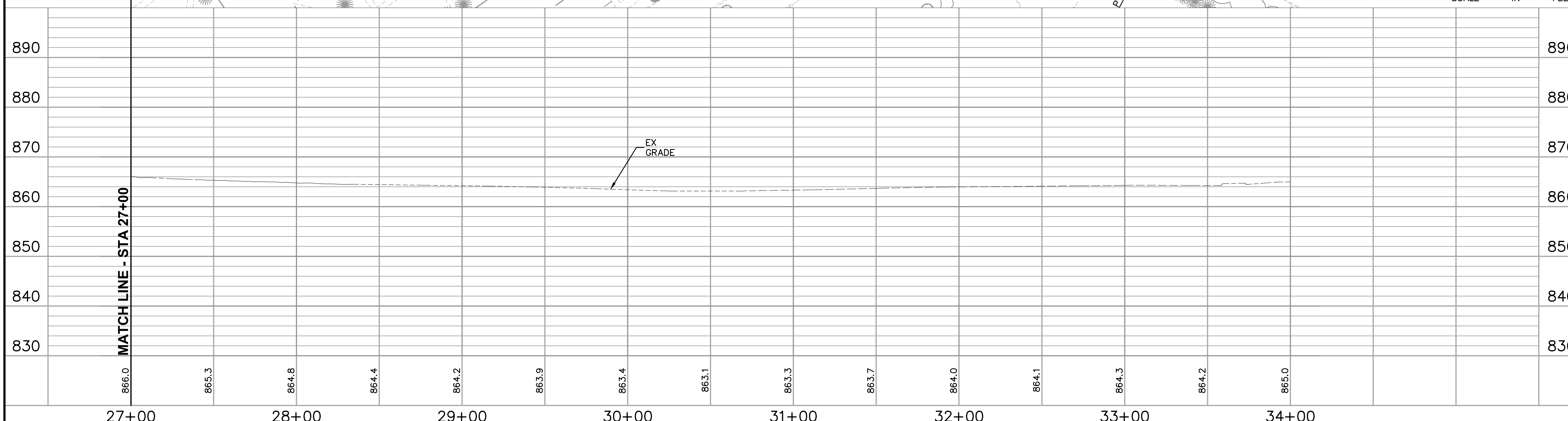
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

0 5 10 20
VERTICAL
0 15 30 60
HORIZONTAL
SCALE IN FEET



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

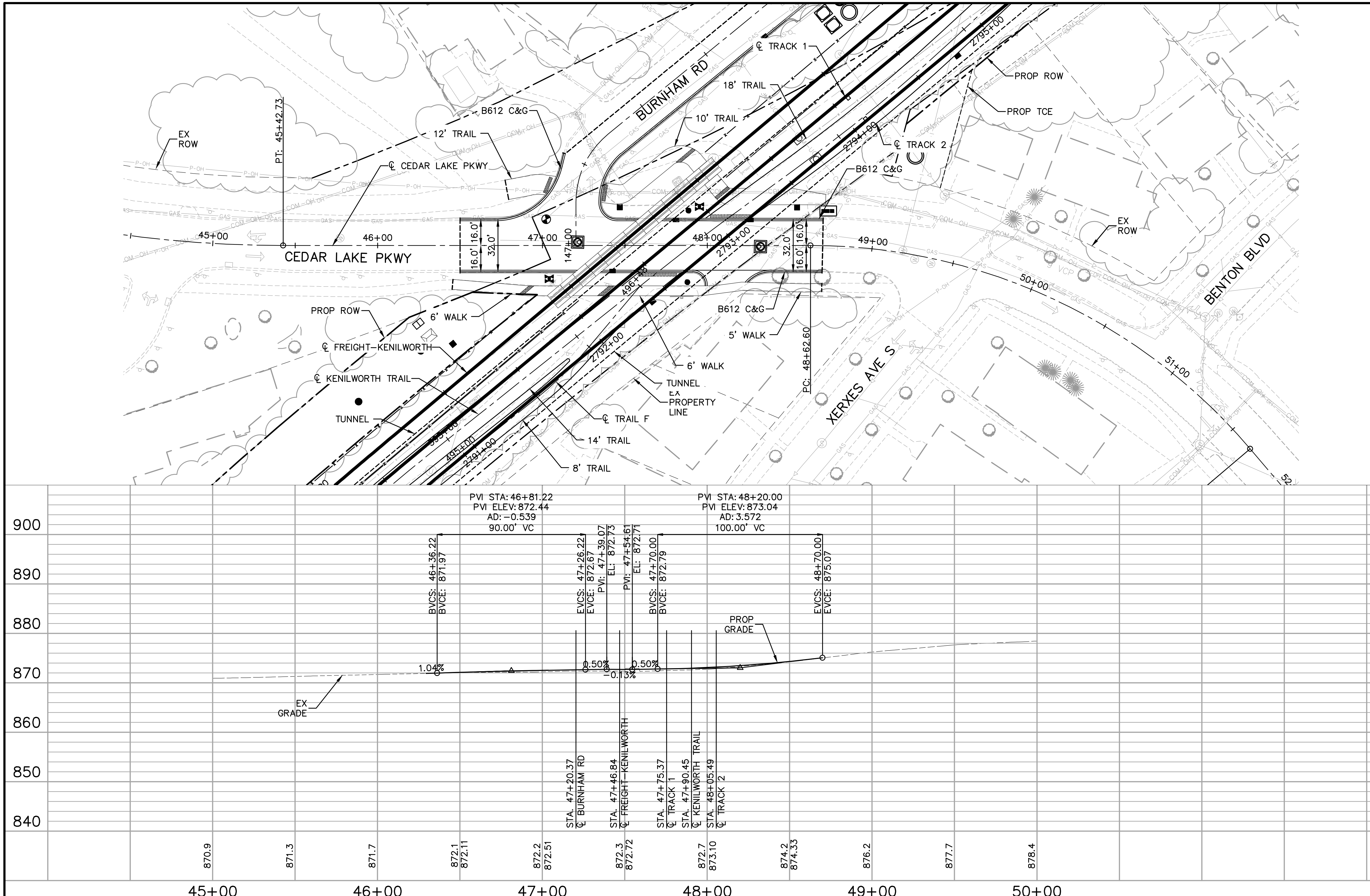
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CSAH 3 (EXCELSIOR BLVD)
PLAN AND PROFILE
STA. 27+00 TO STA. 34+00

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF - 009

SHEET 80 OF 199



CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE IN FEET
VERTICAL: 0 5 10 20
HORIZONTAL: 0 15 30 60

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

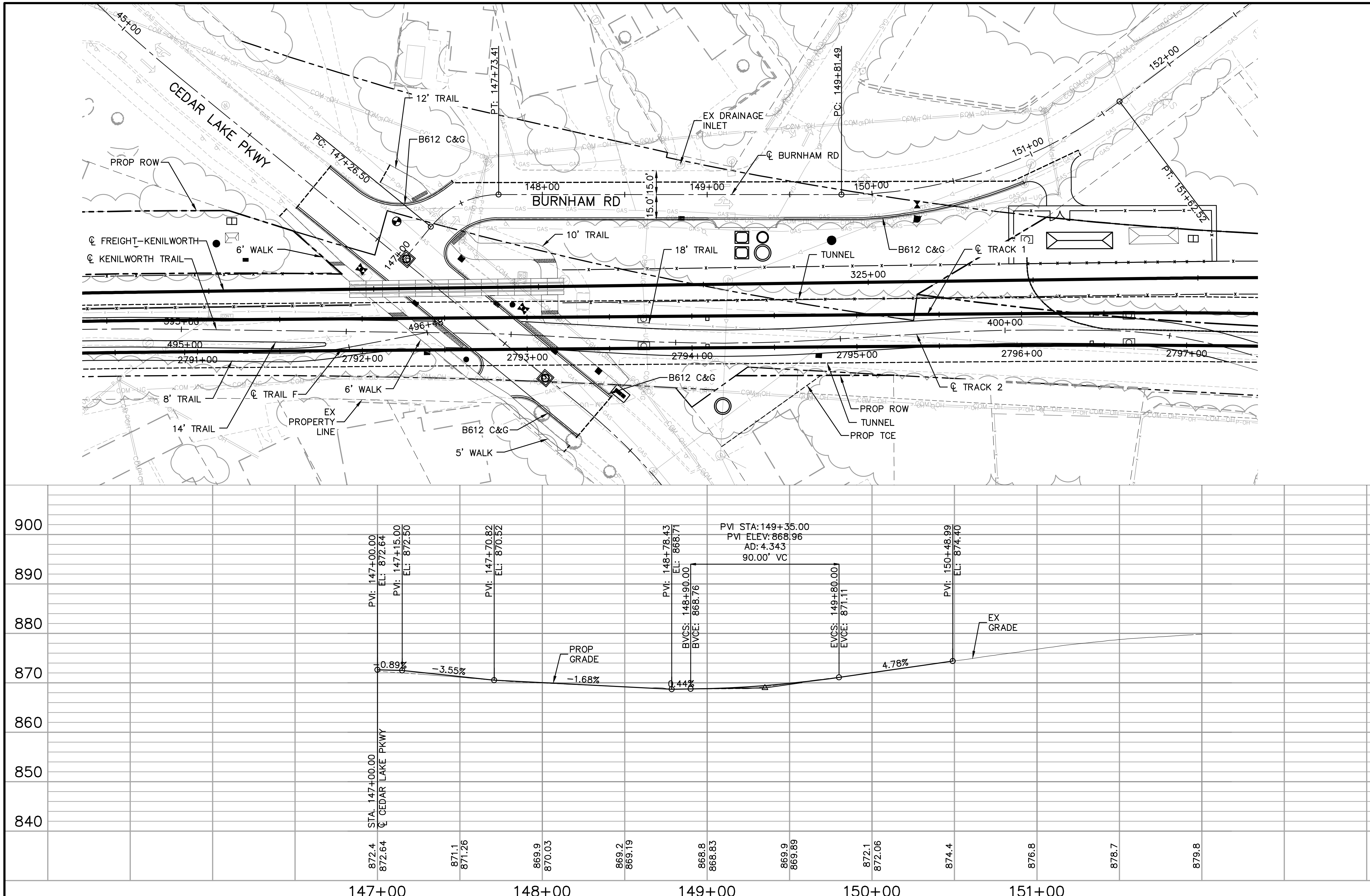
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE PKWY
PLAN AND PROFILE
STA. 45+00 TO STA. 49+00

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF - 010

SHEET 81 OF 199



CONSTRUCTION NOTES

① XXXX

② XXXX

③ XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

0 5 10 20
VERTICAL
0 15 30 60
HORIZONTAL
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

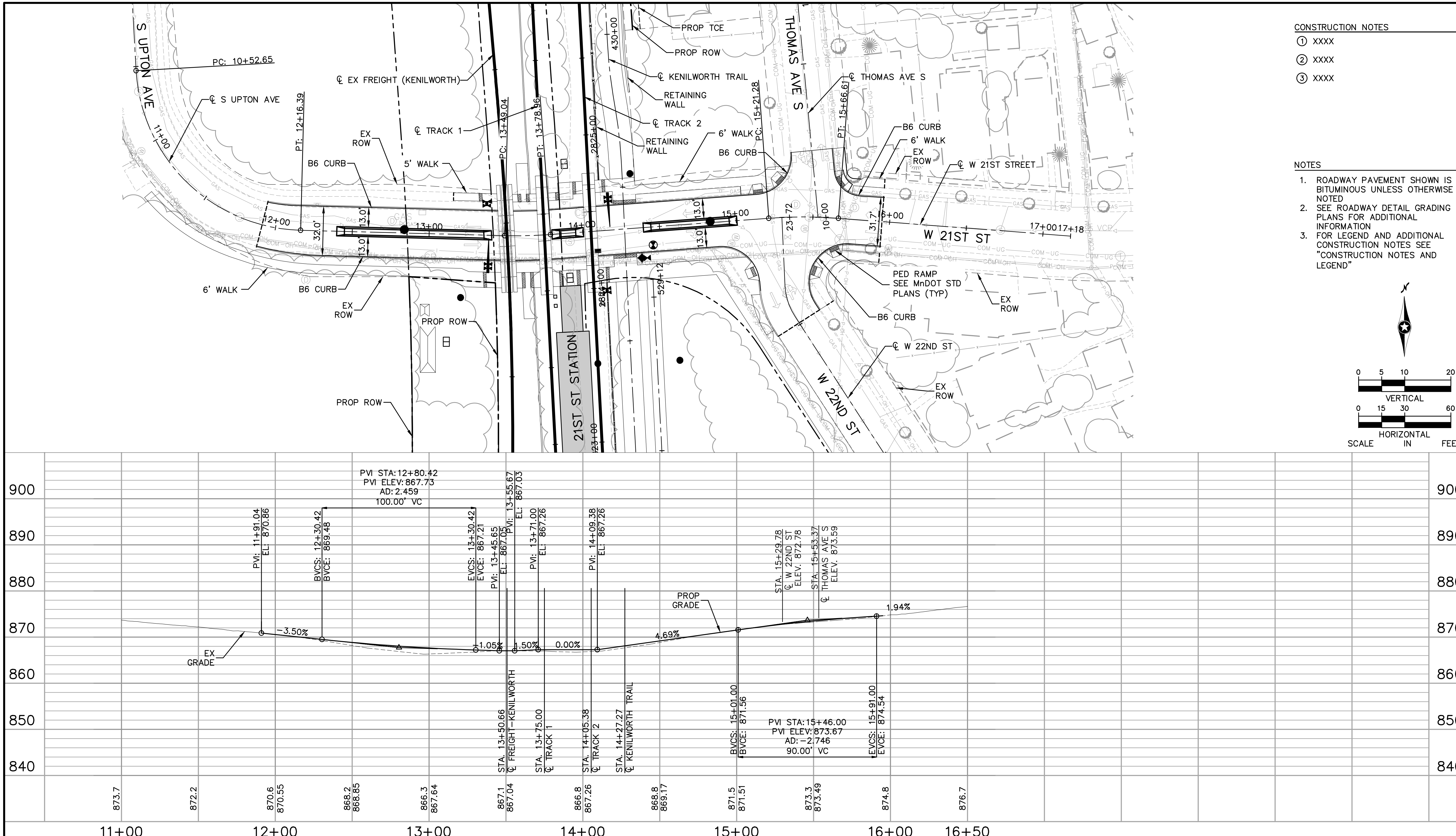
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
BURNHAM RD
PLAN AND PROFILE
STA. 147+00 TO STA. 152+00

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF - 011



CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
W 21ST ST
PLAN AND PROFILE
STA. 11+00 TO STA. 16+50

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF - 012

SHEET 83 OF 199

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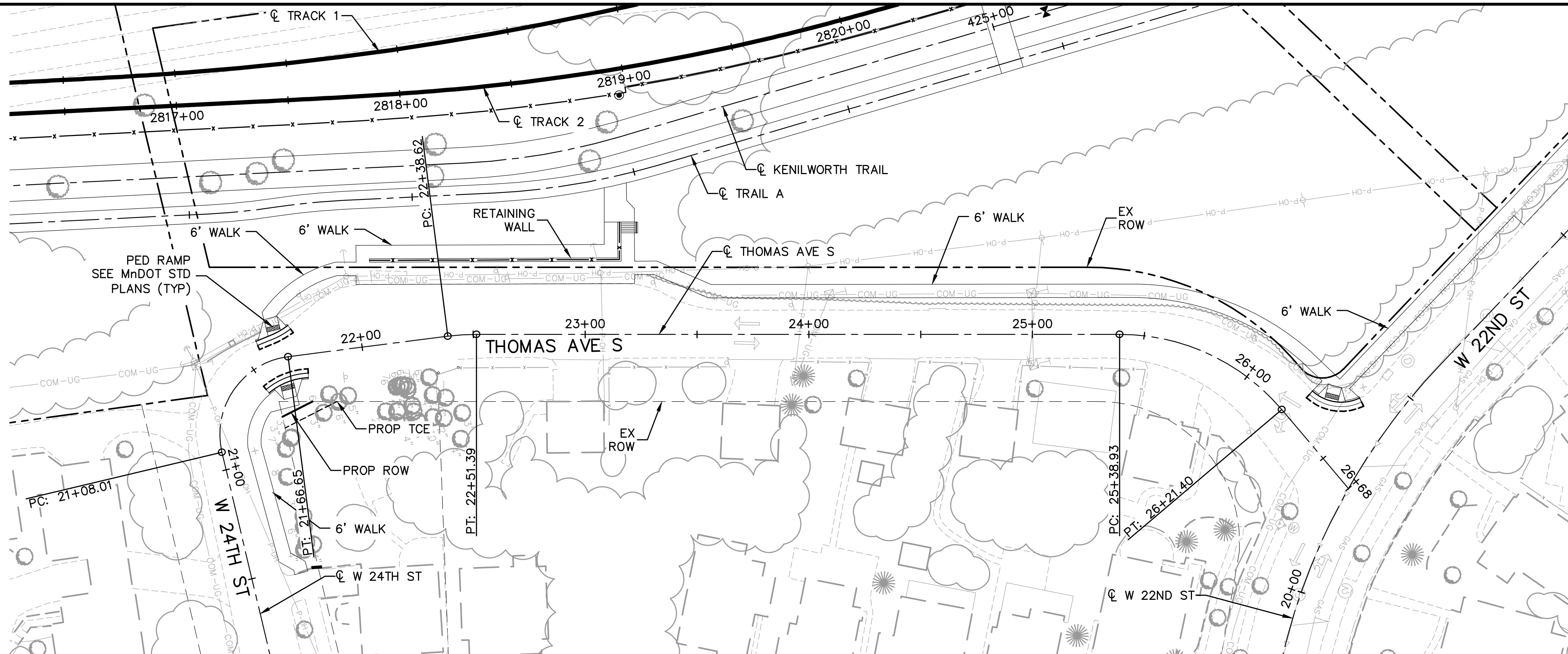


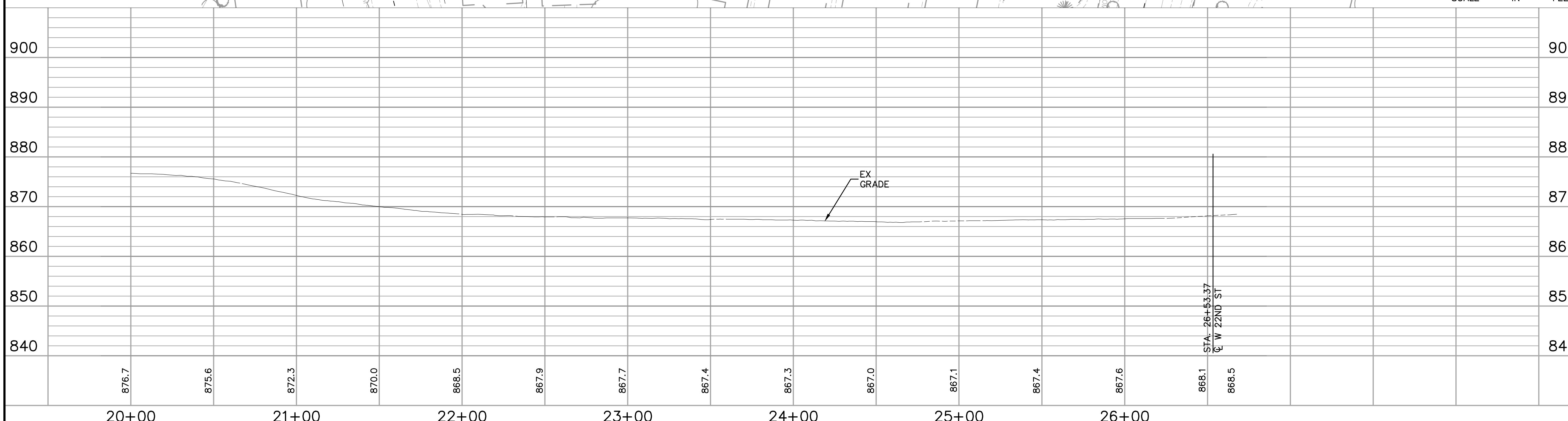
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE IN FEET: VERTICAL 0 5 10 20; HORIZONTAL 0 15 30 60



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
W 24TH ST / THOMAS AVE
PLAN AND PROFILE
STA. 20+00 TO STA. 26+67.59

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF - 013

SHEET 84 OF 199

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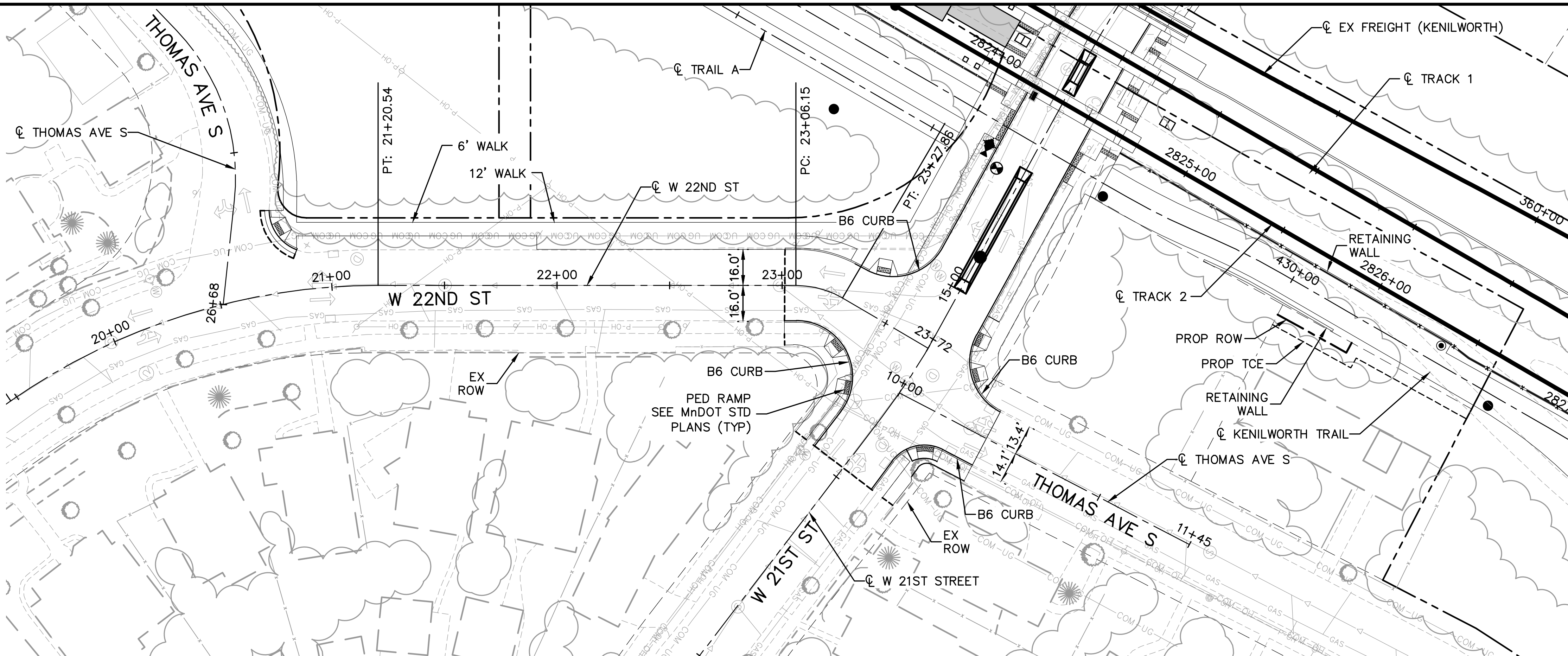


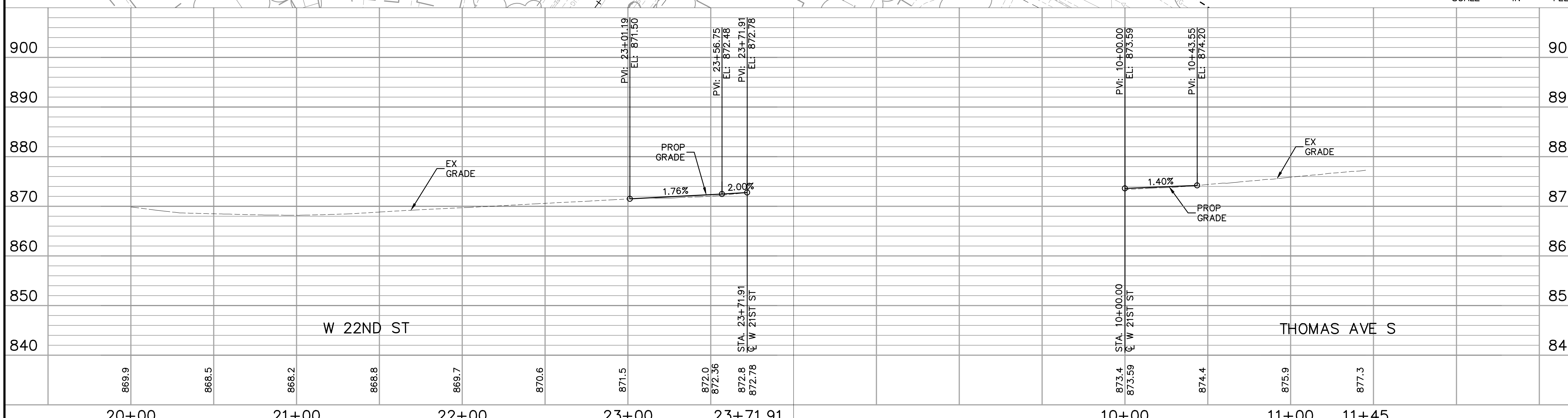
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

0 5 10 20
VERTICAL
0 15 30 60
HORIZONTAL
SCALE IN FEET



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
W 22ND ST / THOMAS AVE S
PLAN AND PROFILE

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF - 014

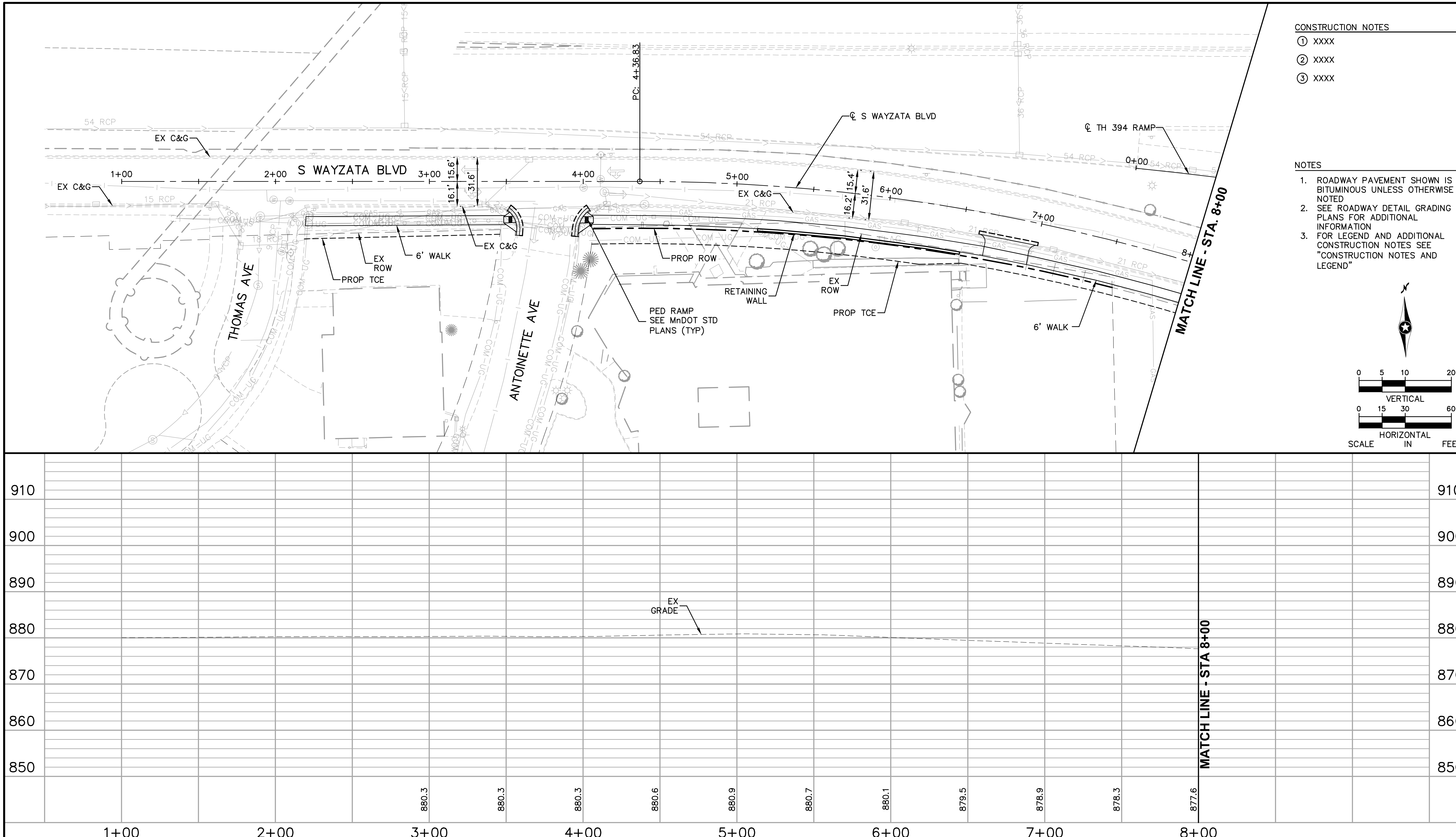
SHEET 85 OF 199

CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"



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0 15 30 60 HORIZONTAL
SCALE IN FEET

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

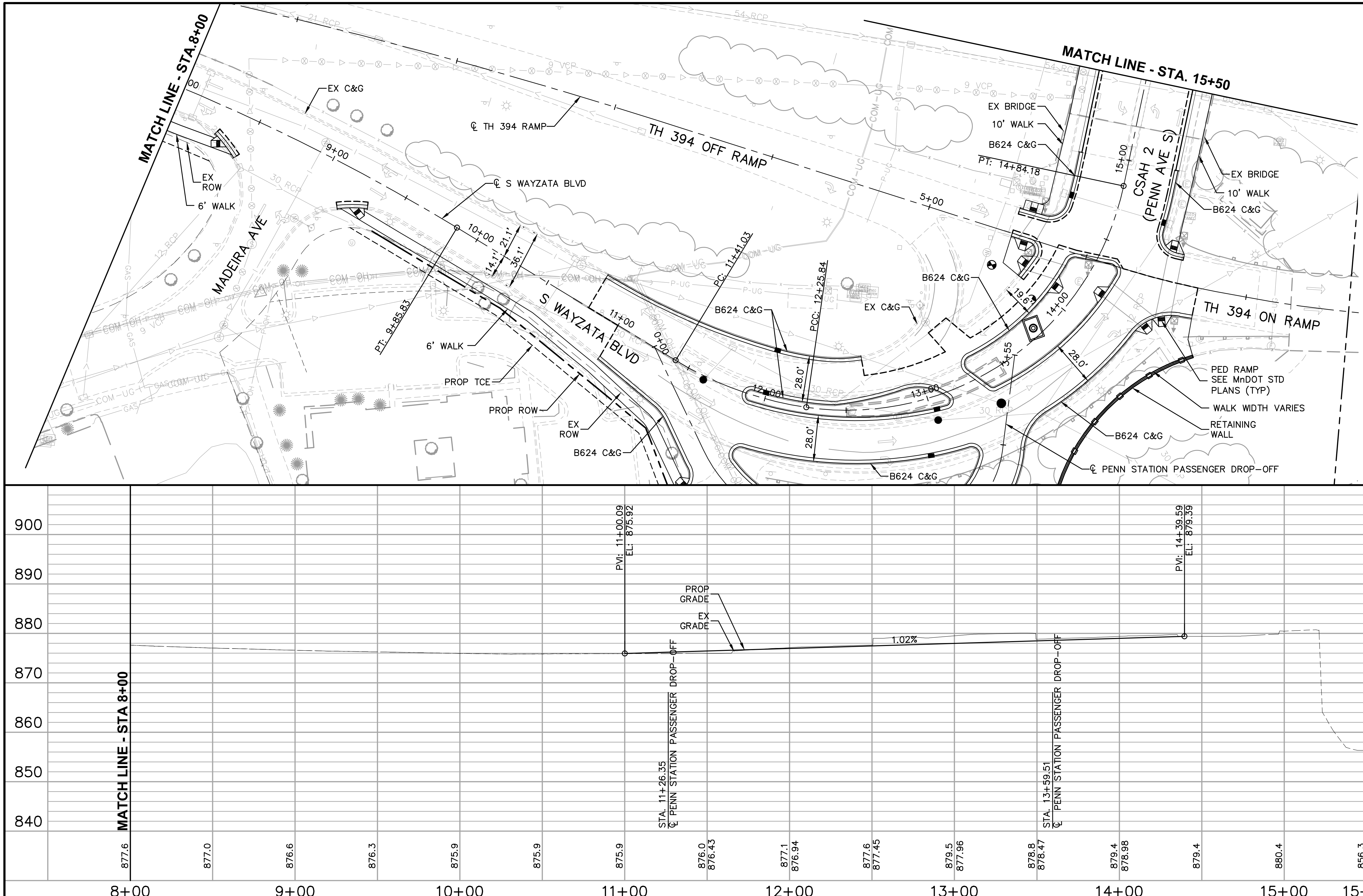
60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 2
WAYZATA BLVD
PLAN AND PROFILE
STA. 1+00 TO STA. 8+00

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 001

SHEET 86 OF 199



CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

VERTICAL: 0 5 10 20

HORIZONTAL: 0 15 30 60

SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

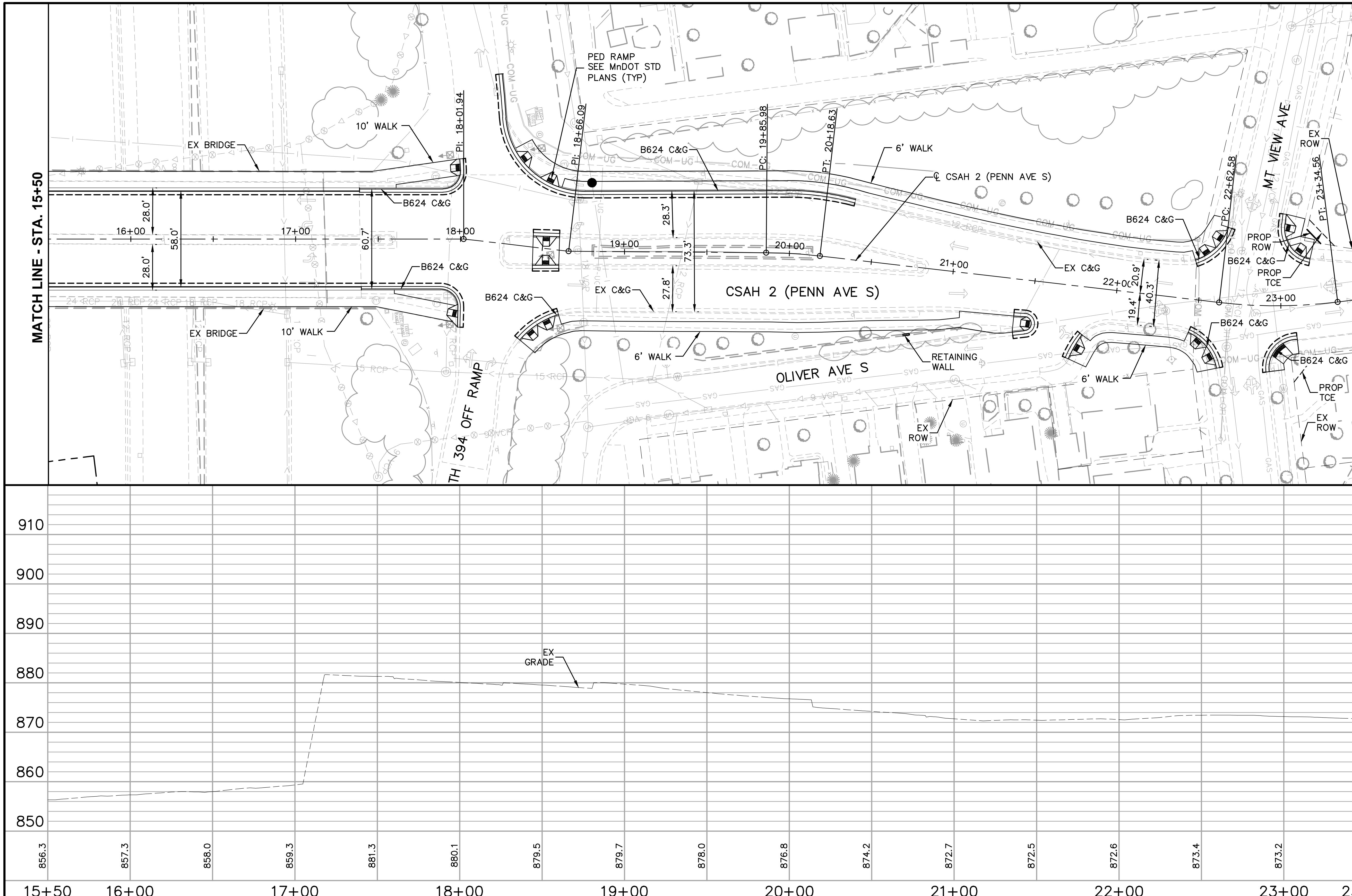
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
S WAYZATA BLVD / CSAH 2 (PENN AVE S)
PLAN AND PROFILE
STA. 8+00 TO STA. 15+50

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 002



CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE IN FEET: VERTICAL 0 5 10 20; HORIZONTAL 0 15 30 60

Station	15+50	16+00		17+00		18+00		19+00		20+00		21+00		22+00		23+00	23+50
Ex. grade	856.3	857.3	858.0	859.3	881.3	880.1	879.5	879.7	878.0	876.8	874.2	872.7	872.5	872.6	873.4	873.2	872.7

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

60% SUBMISSION - 09/28/15

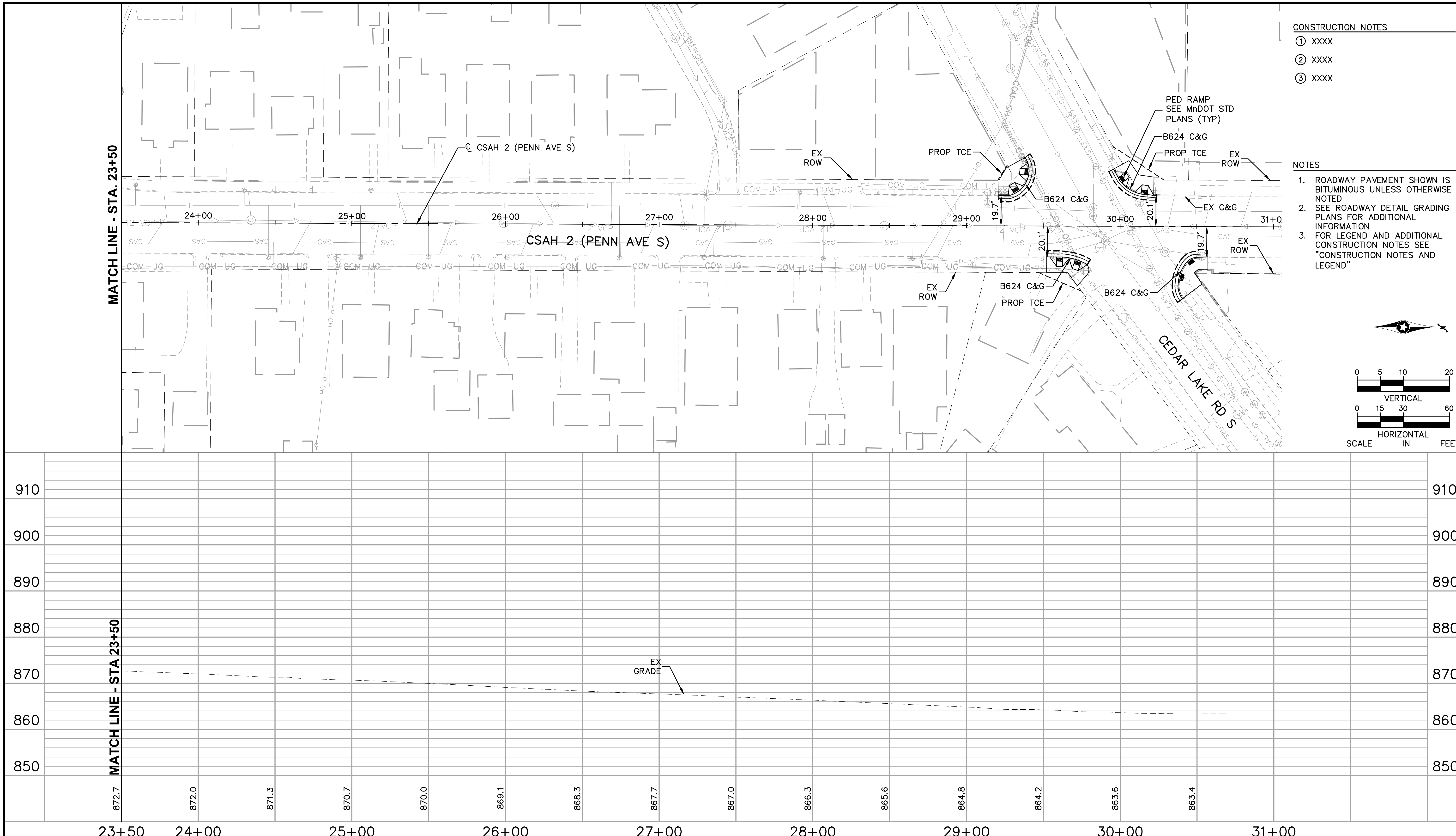
CIVIL EAST - VOLUME 2
CSAH 2 (PENN AVE S)
PLAN AND PROFILE
STA. 15+50 TO STA. 23+50

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 003

SHEET 88 OF 199

Sep. 21 2015 06:51 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E4-CIV-PRF.dwg By: Wedgehr



CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE IN FEET: VERTICAL 0 5 10 20; HORIZONTAL 0 15 30 60

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CSAH 2 (PENN AVE S)
PLAN AND PROFILE
STA. 23+50 TO STA. 30+50

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 004

SHEET 89 OF 199

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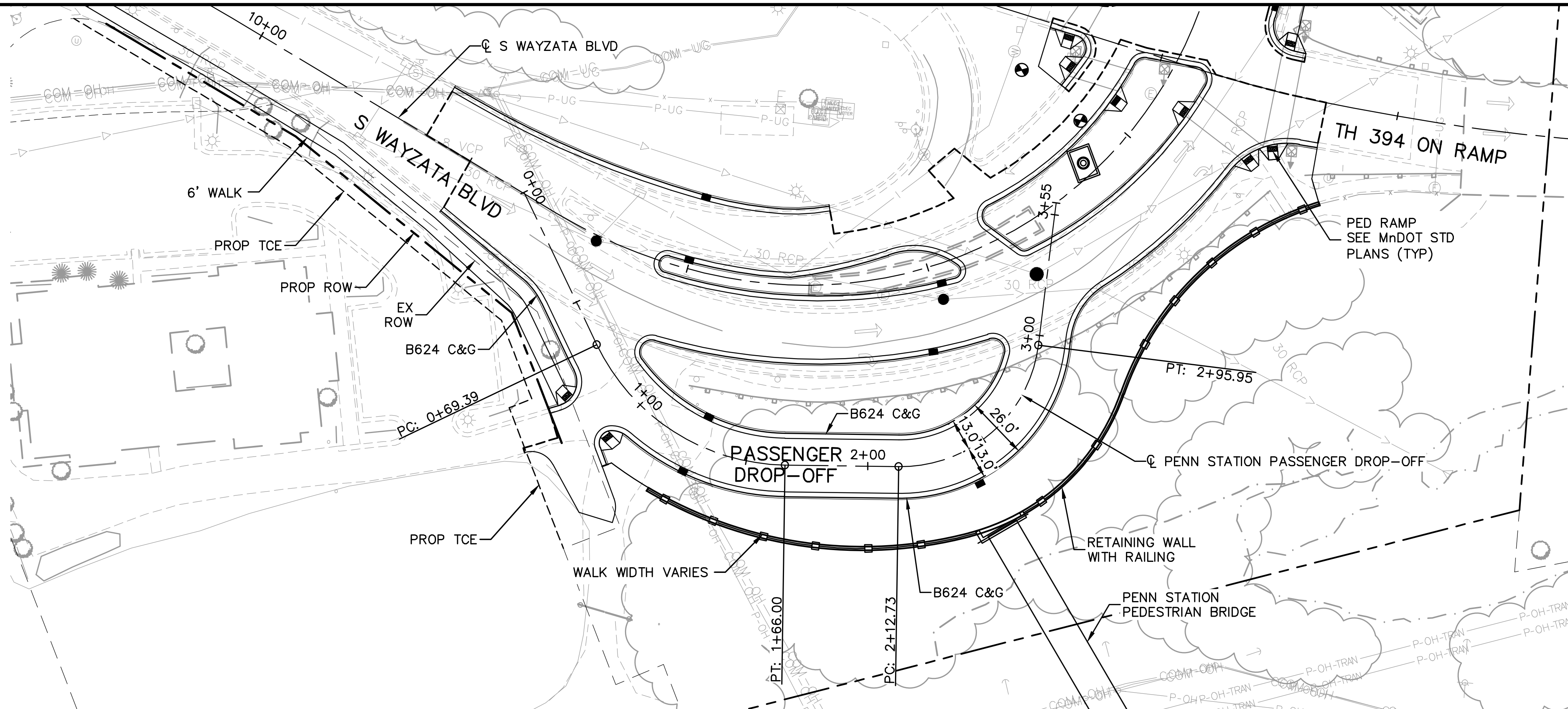


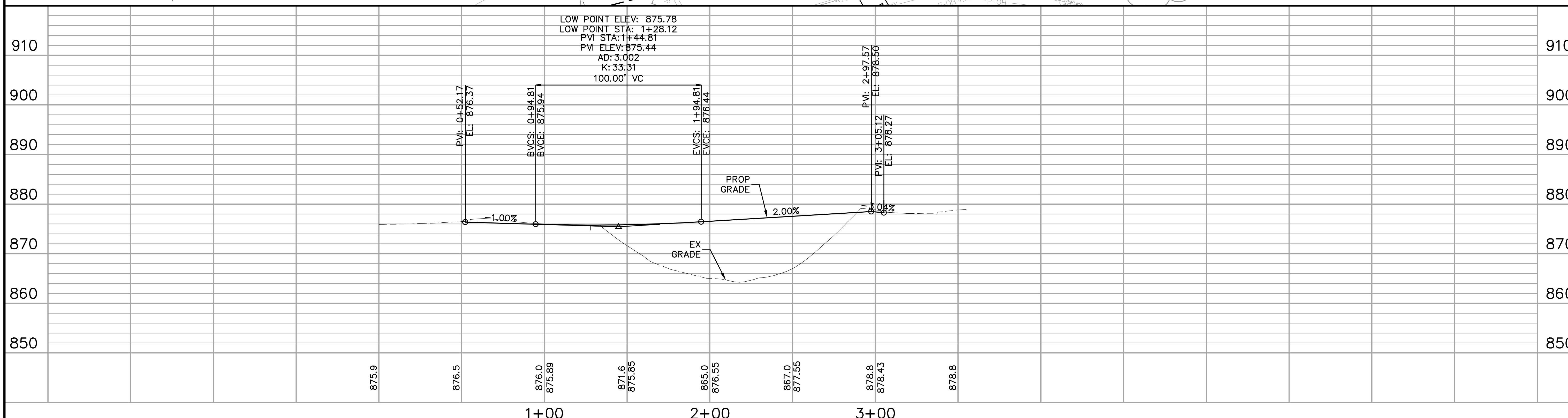
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

0 5 10 20
VERTICAL
0 15 30 60
HORIZONTAL
SCALE IN FEET



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

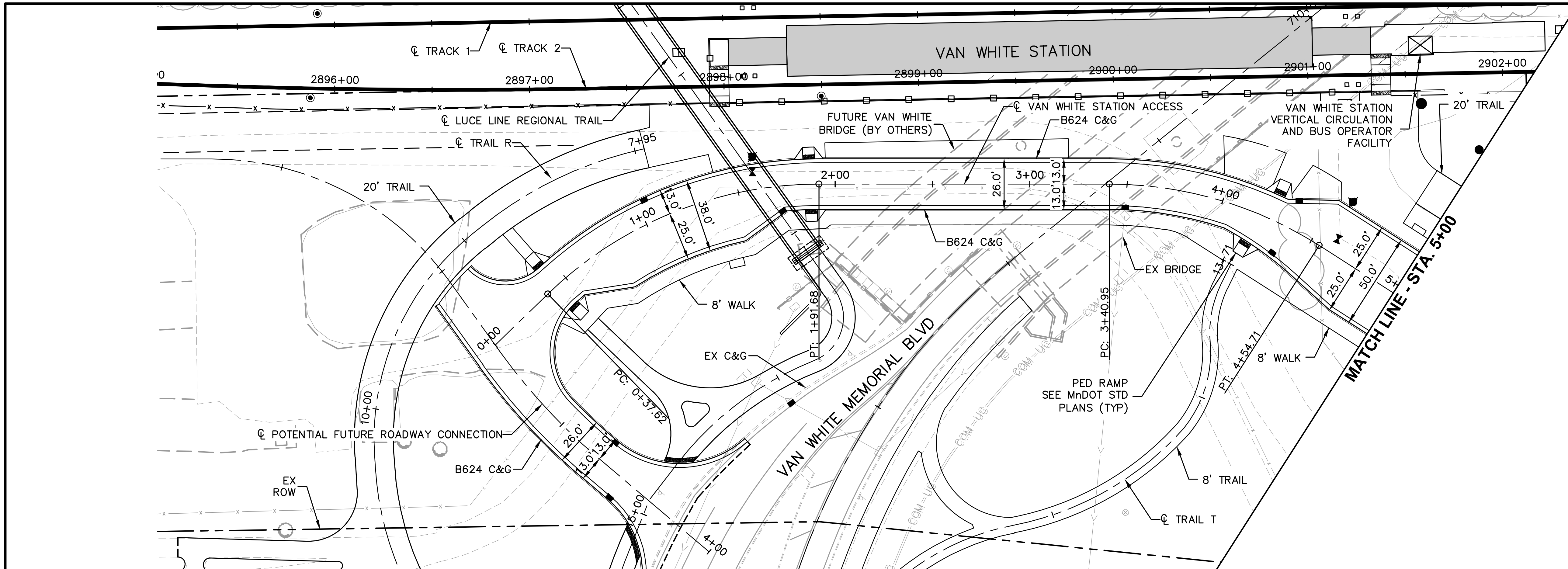
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
PENN STATION PASSENGER DROP-OFF
PLAN AND PROFILE
STA. 0+00 TO STA. 3+55

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 005



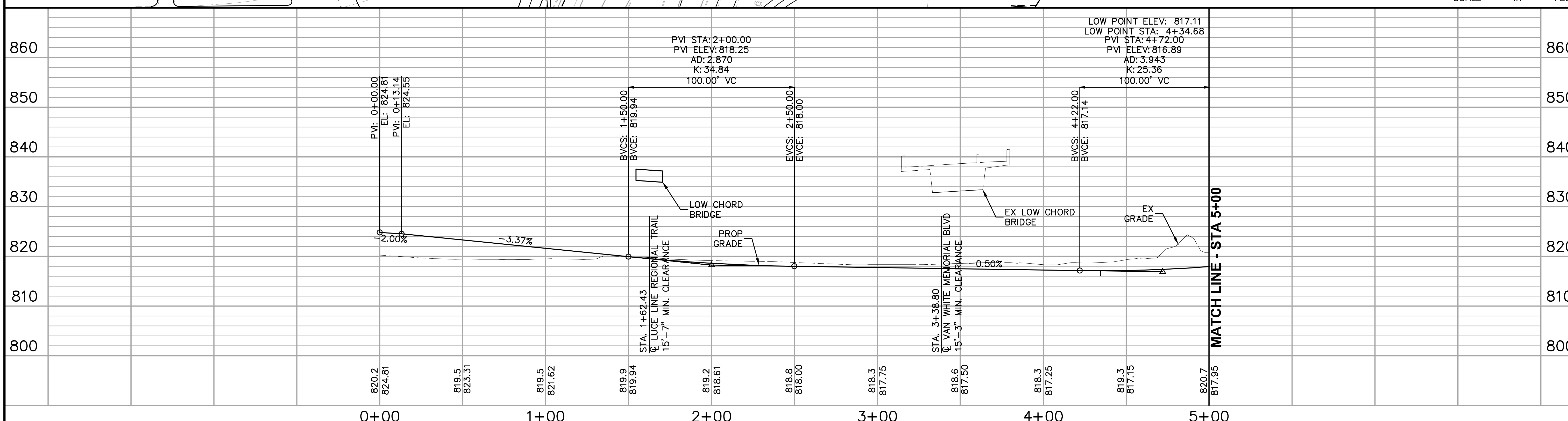
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE IN FEET
VERTICAL 0 5 10 20
HORIZONTAL 0 15 30 60



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
VAN WHITE STATION ACCESS
PLAN AND PROFILE
STA. 0+00 TO STA. 5+00

DISCIPLINE: CIVIL
SHEET NAME: E4-CIV-PRF - 006

SHEET 91 OF 199

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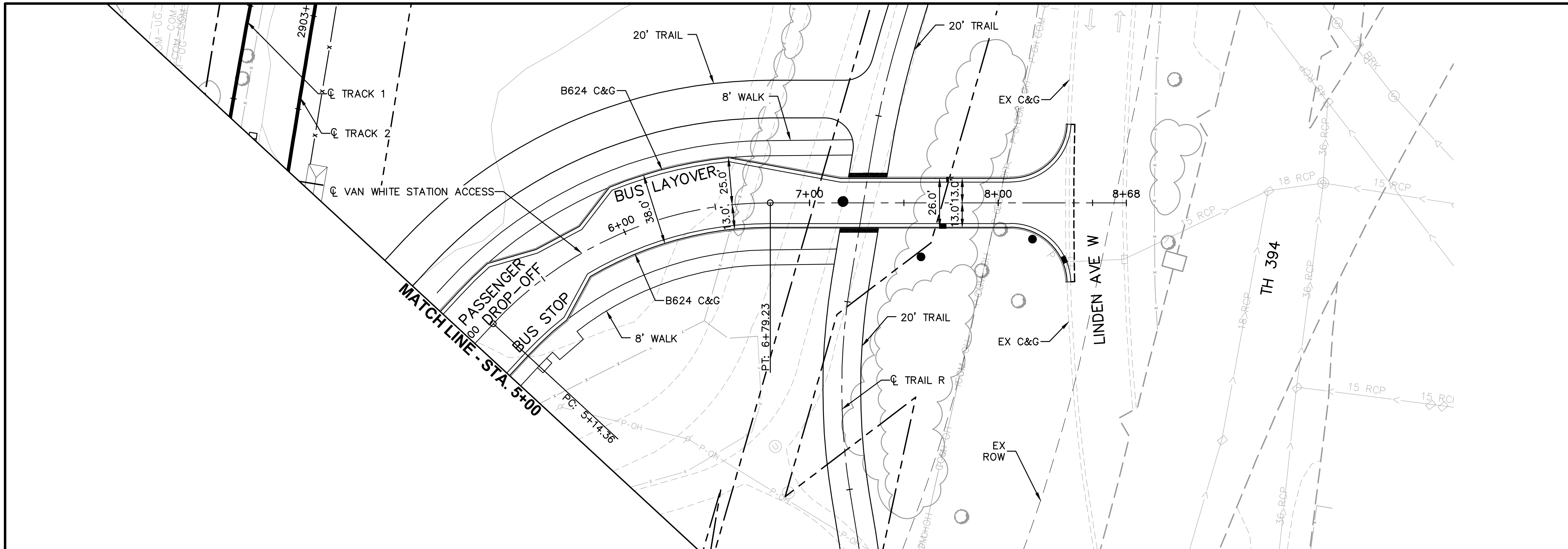


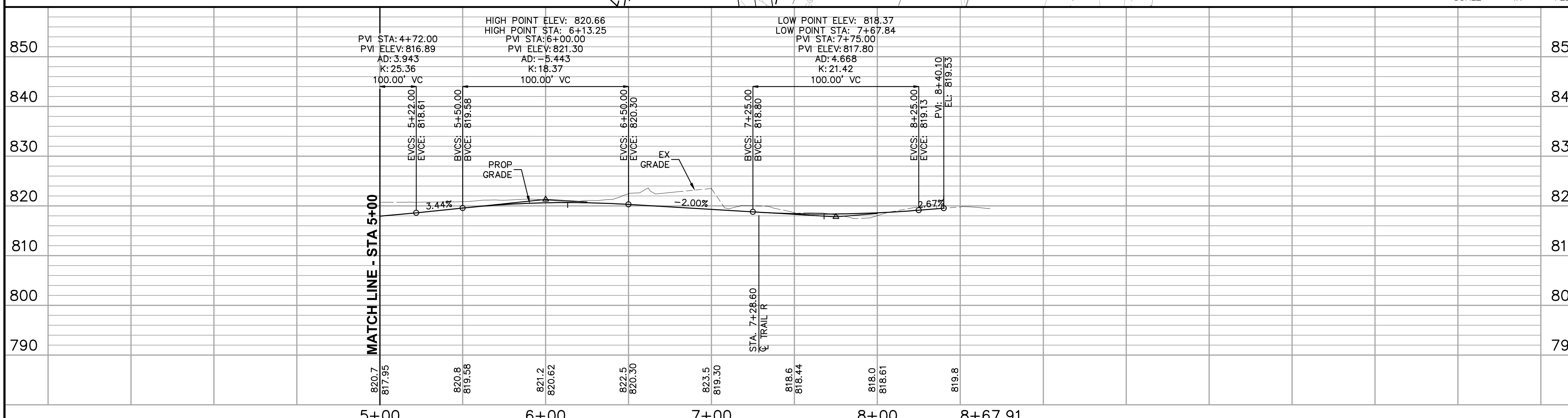
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE IN FEET: VERTICAL 0 5 10 20; HORIZONTAL 0 15 30 60



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

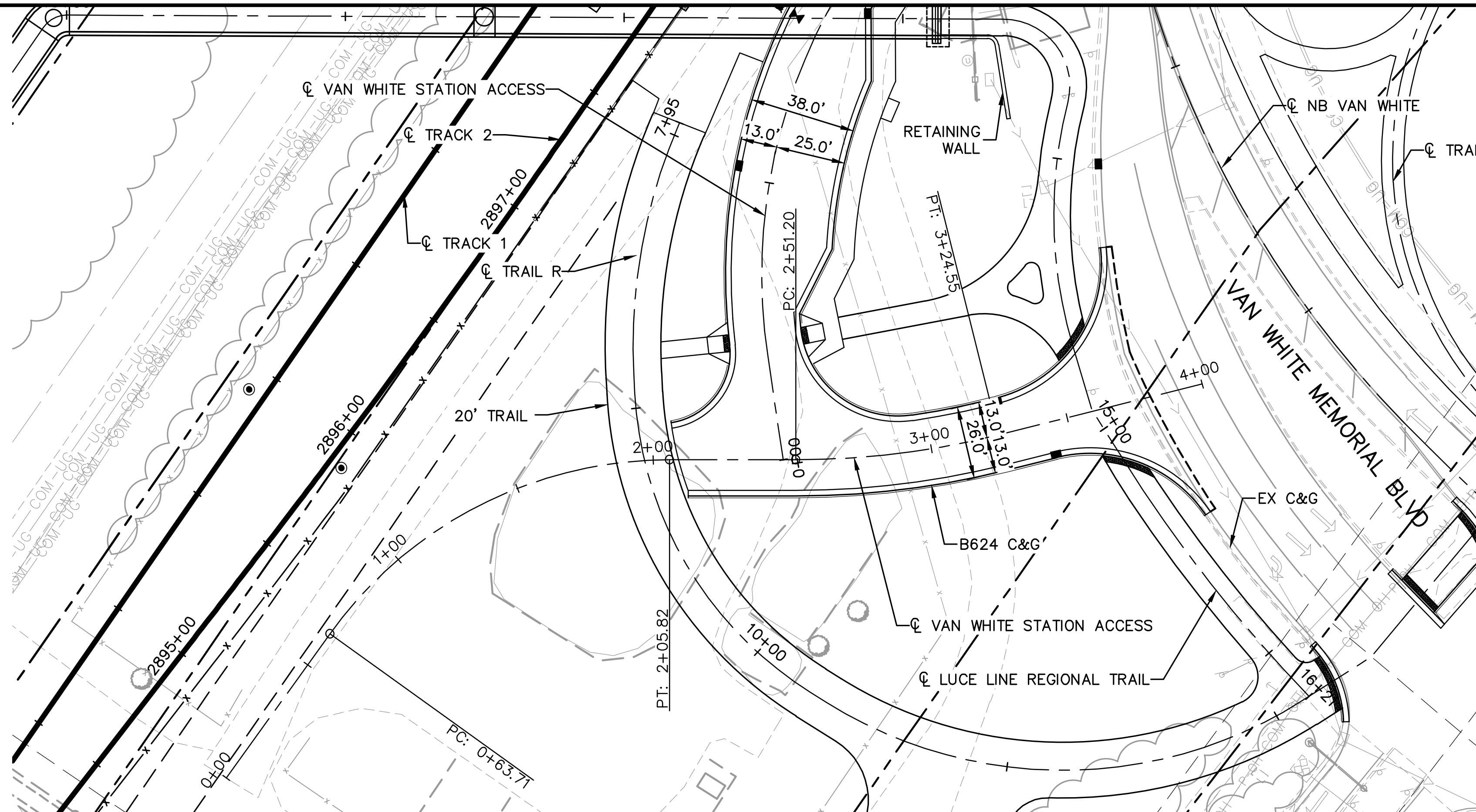
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
VAN WHITE STATION ACCESS
PLAN AND PROFILE
STA. 5+00 TO STA. 8+68

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 007



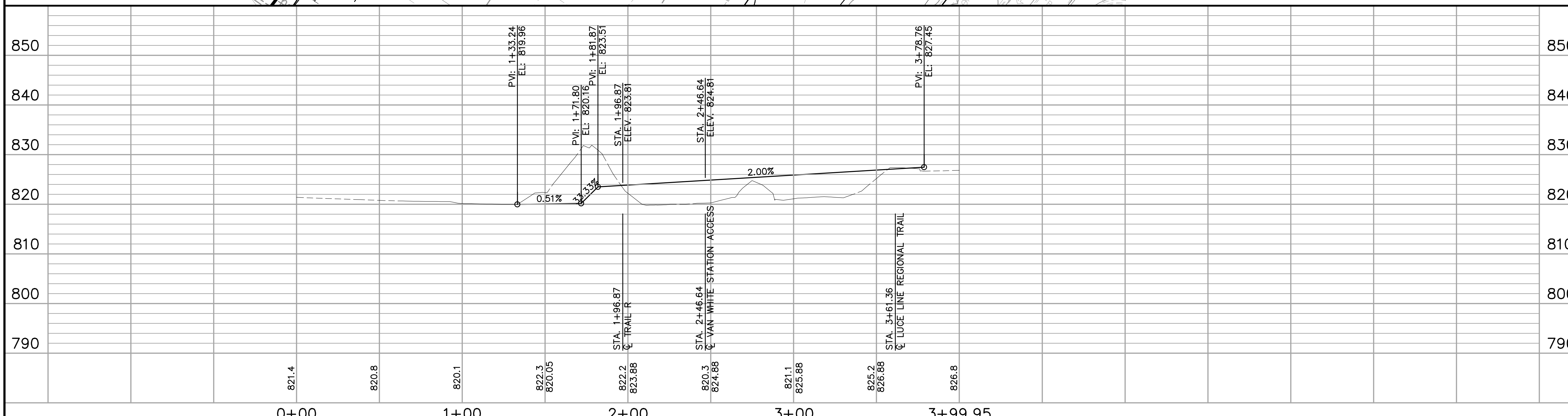
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE IN FEET: VERTICAL 0 5 10 20; HORIZONTAL 0 15 30 60



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

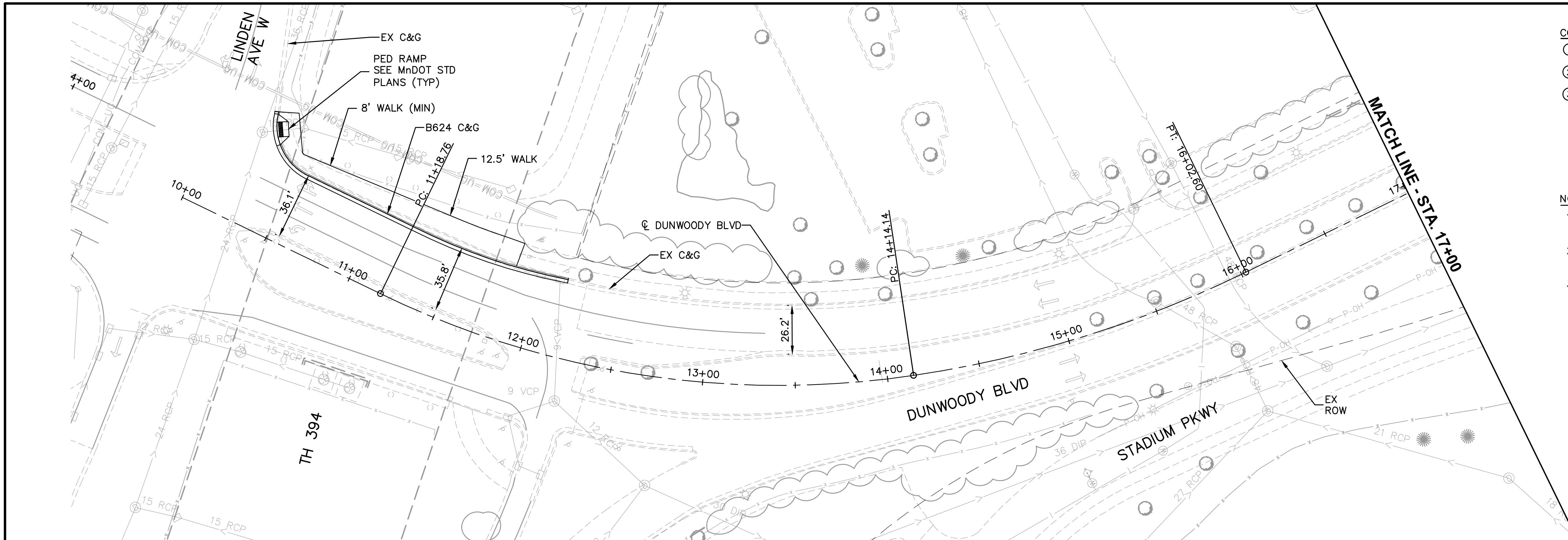
CIVIL EAST - VOLUME 2
POTENTIAL FUTURE ROADWAY CONNECTION PLAN AND PROFILE
STA. 0+00 TO STA. 4+00

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 008

SHEET 93 OF 199

Sep. 21 2015 06:56 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E4-CIV-PRF.dwg By: Wedgehr



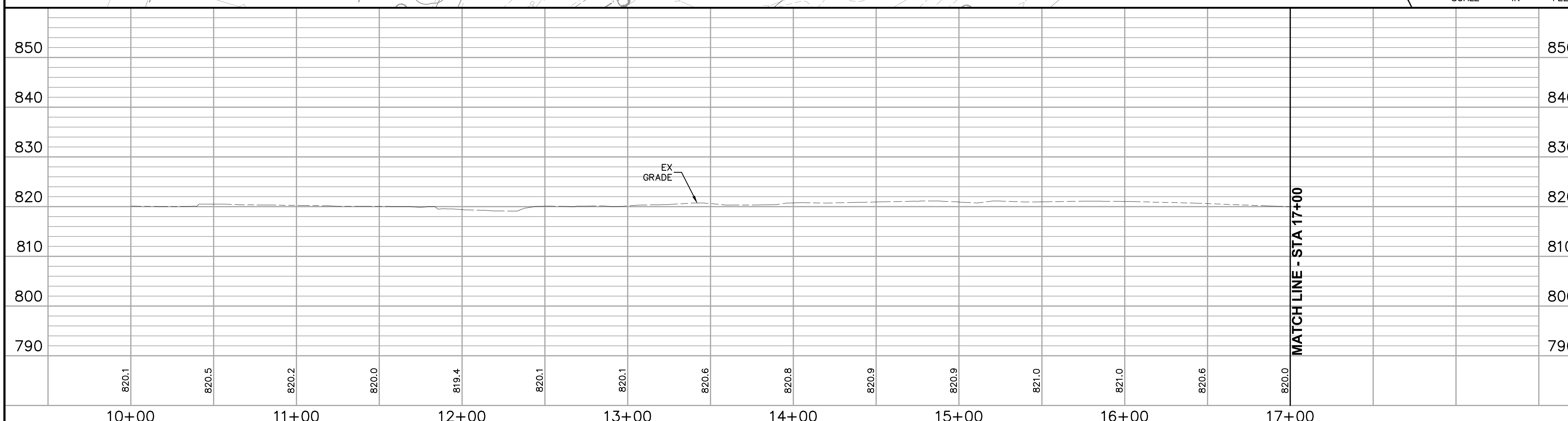
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

0 5 10 20
VERTICAL
0 15 30 60
HORIZONTAL
SCALE IN FEET



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

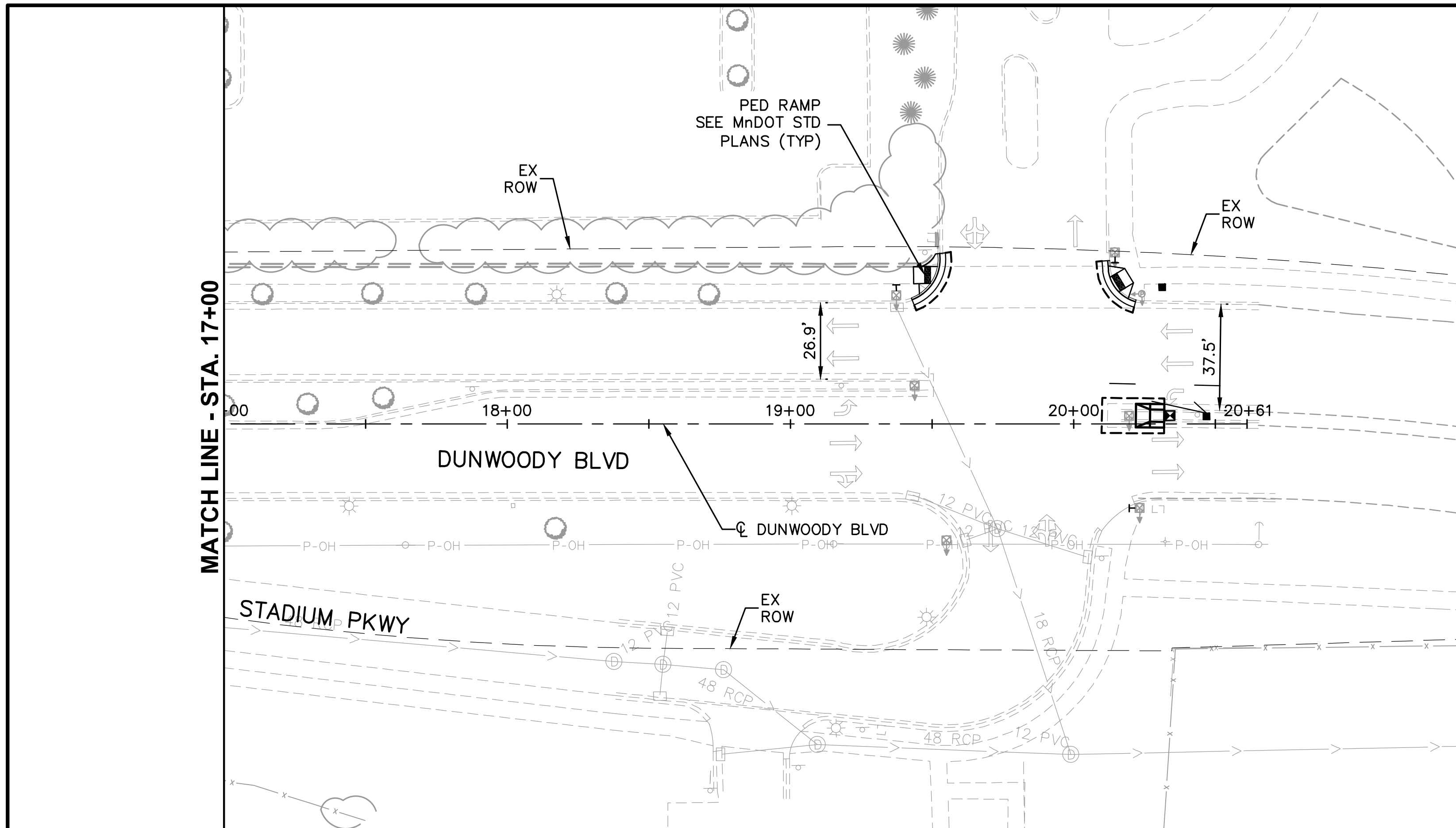
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
DUNWOODY BLVD
PLAN AND PROFILE
STA. 10+00 TO STA. 17+00

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 009

SHEET 94 OF 199



CONSTRUCTION NOTES

① XXXX

② XXXX

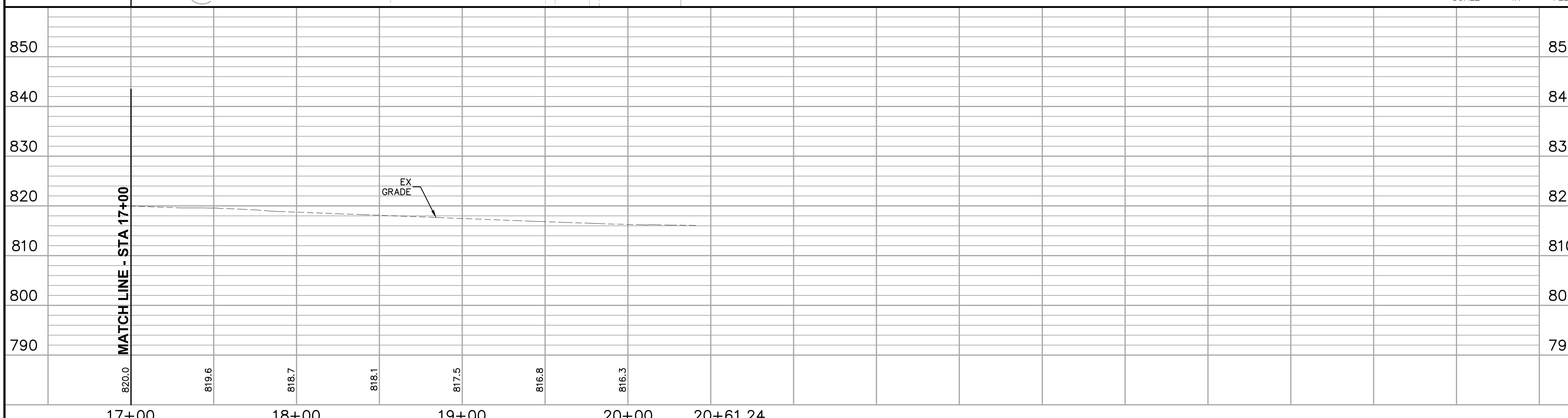
③ XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

N

0 5 10 20
VERTICAL
0 15 30 60
HORIZONTAL
SCALE IN FEET



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

60% SUBMISSION - 09/28/15

AECOM Kimley»Horn

METROPOLITAN COUNCIL

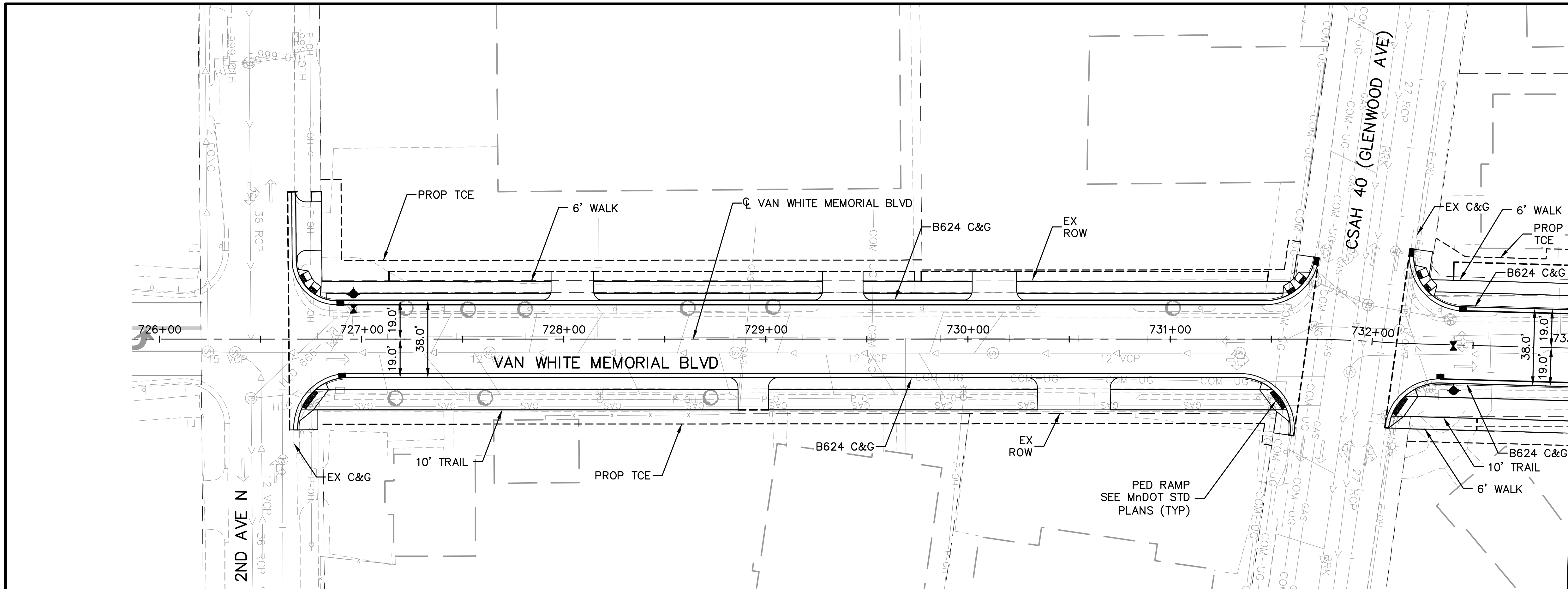
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
DUNWOODY BLVD
PLAN AND PROFILE
STA. 17+00 TO STA. 20+61

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 010

SHEET 95 OF 199



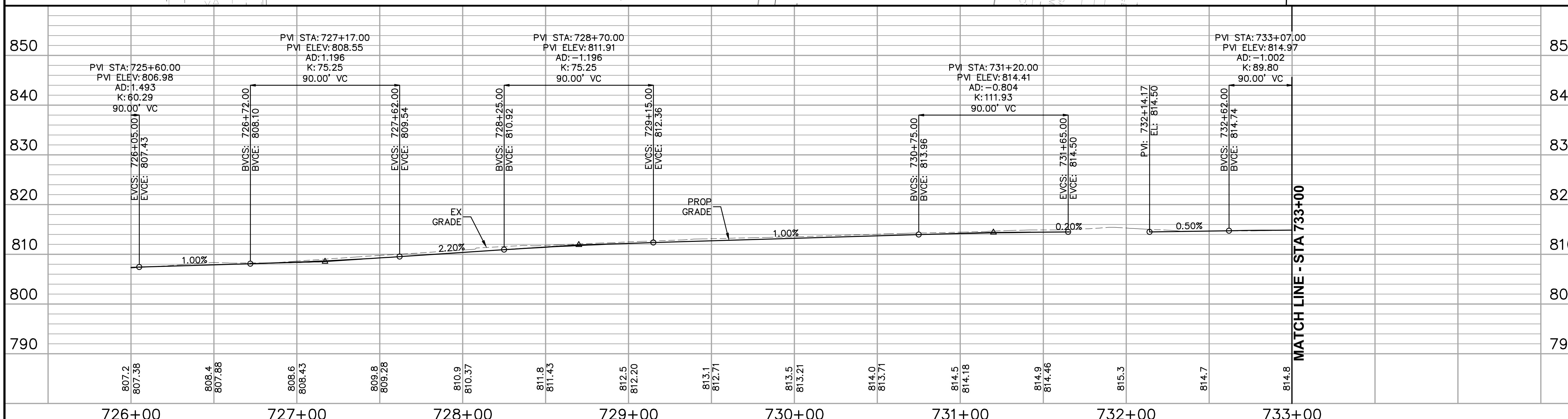
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

VERTICAL 0 5 10 20
HORIZONTAL 0 15 30 60
SCALE IN FEET



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

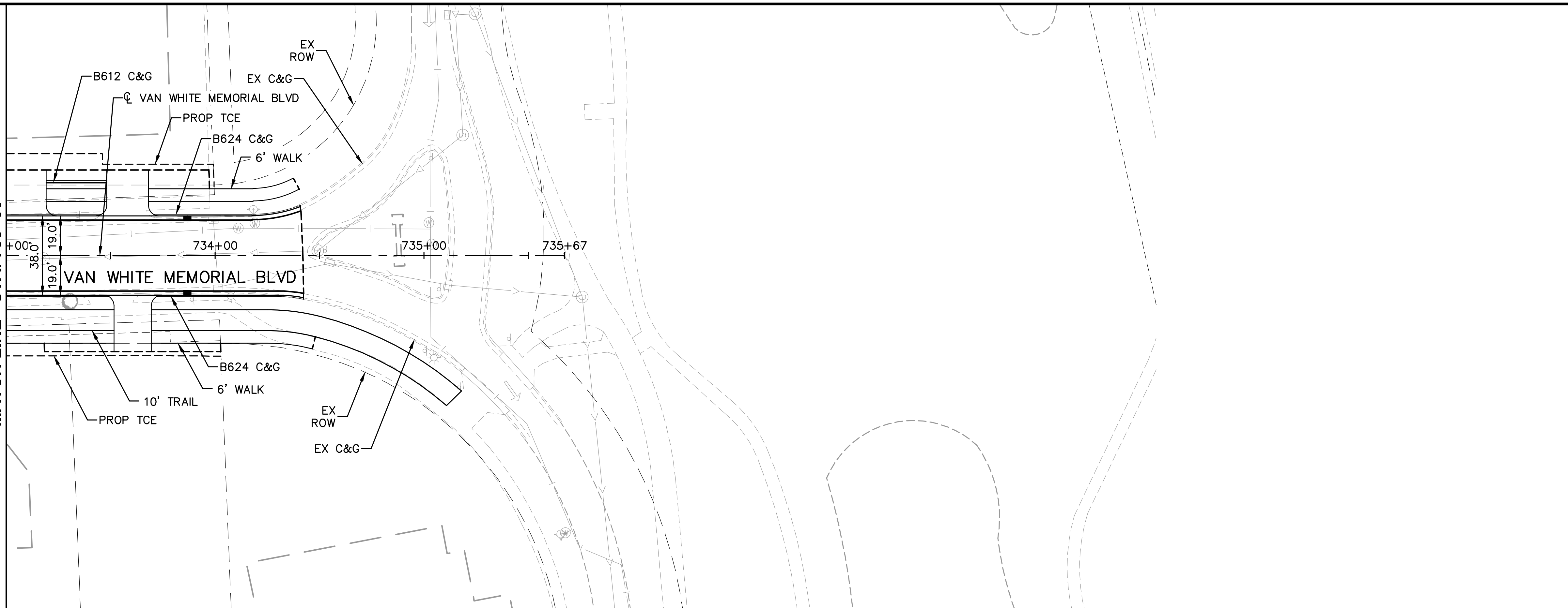
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
VAN WHITE MEMORIAL BLVD
PLAN AND PROFILE
STA. 726+00 TO STA. 733+00

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 011



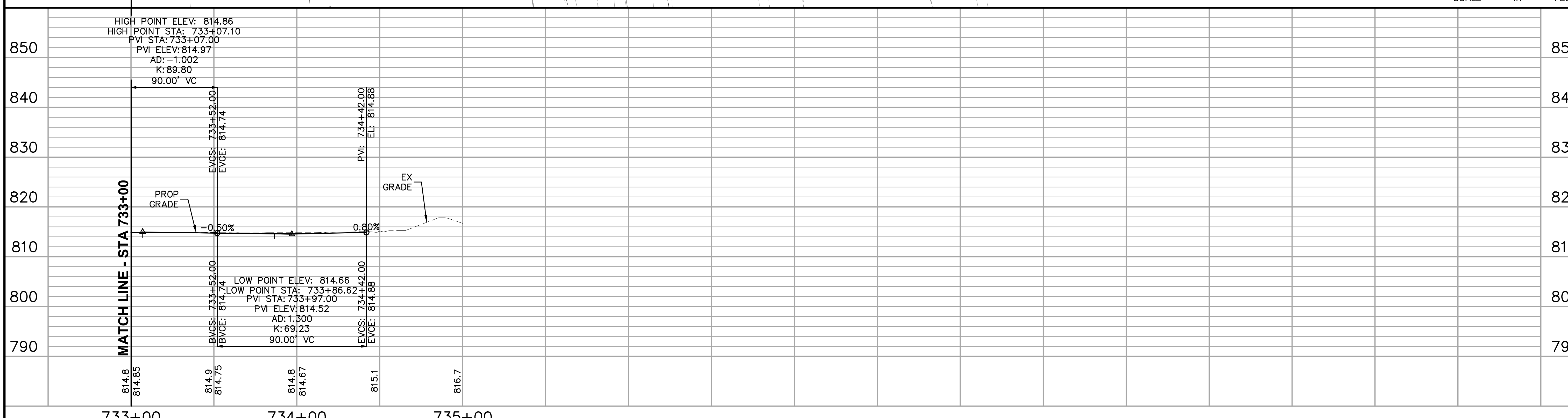
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

0 5 10 20
VERTICAL
0 15 30 60
HORIZONTAL
SCALE IN FEET



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

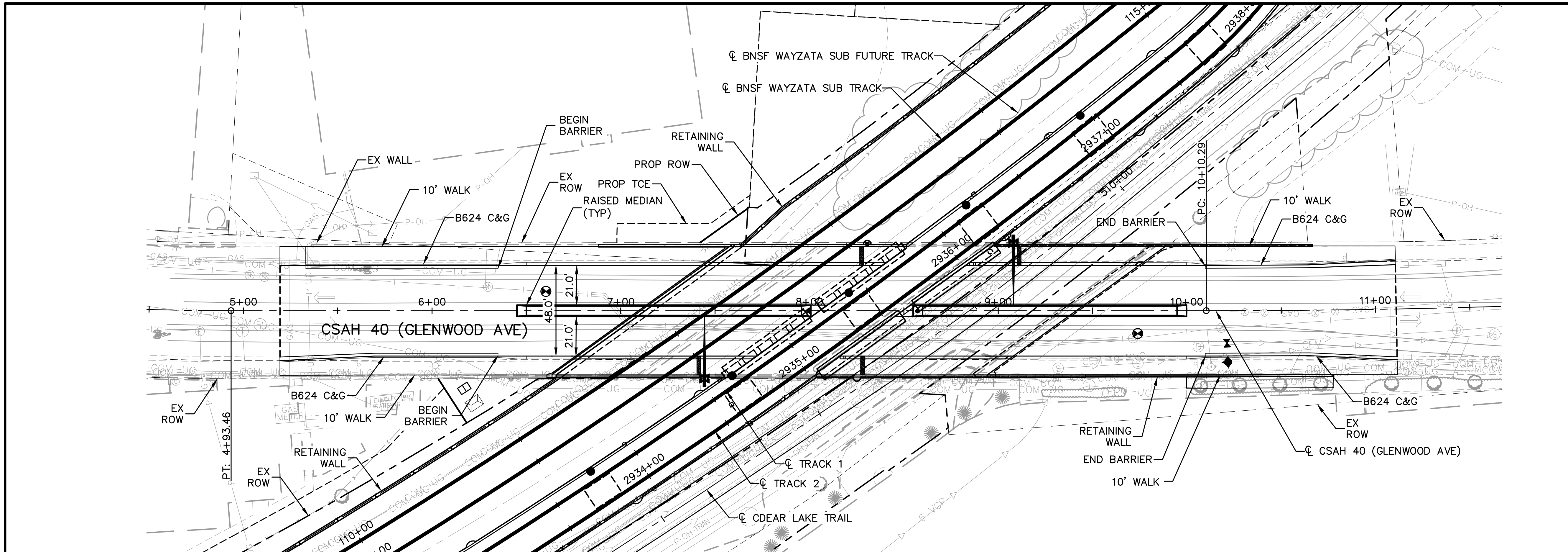
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
VAN WHITE MEMORIAL BLVD
PLAN AND PROFILE
STA. 733+00 TO STA. 735+00

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 012



CONSTRUCTION NOTES

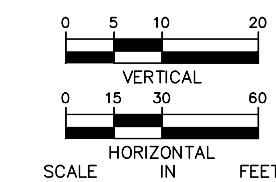
① XXXX

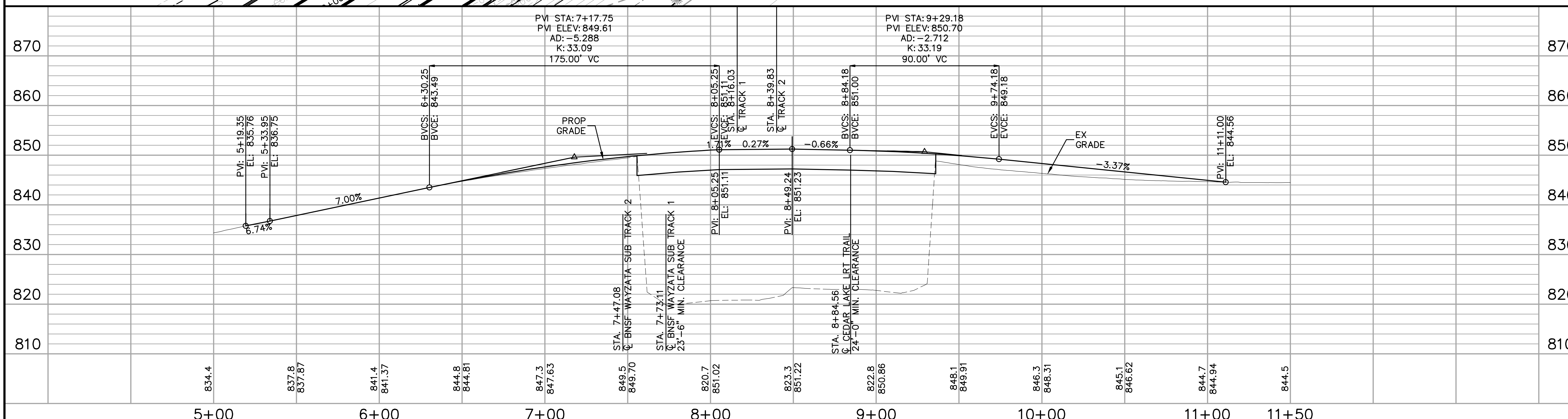
② XXXX

③ XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

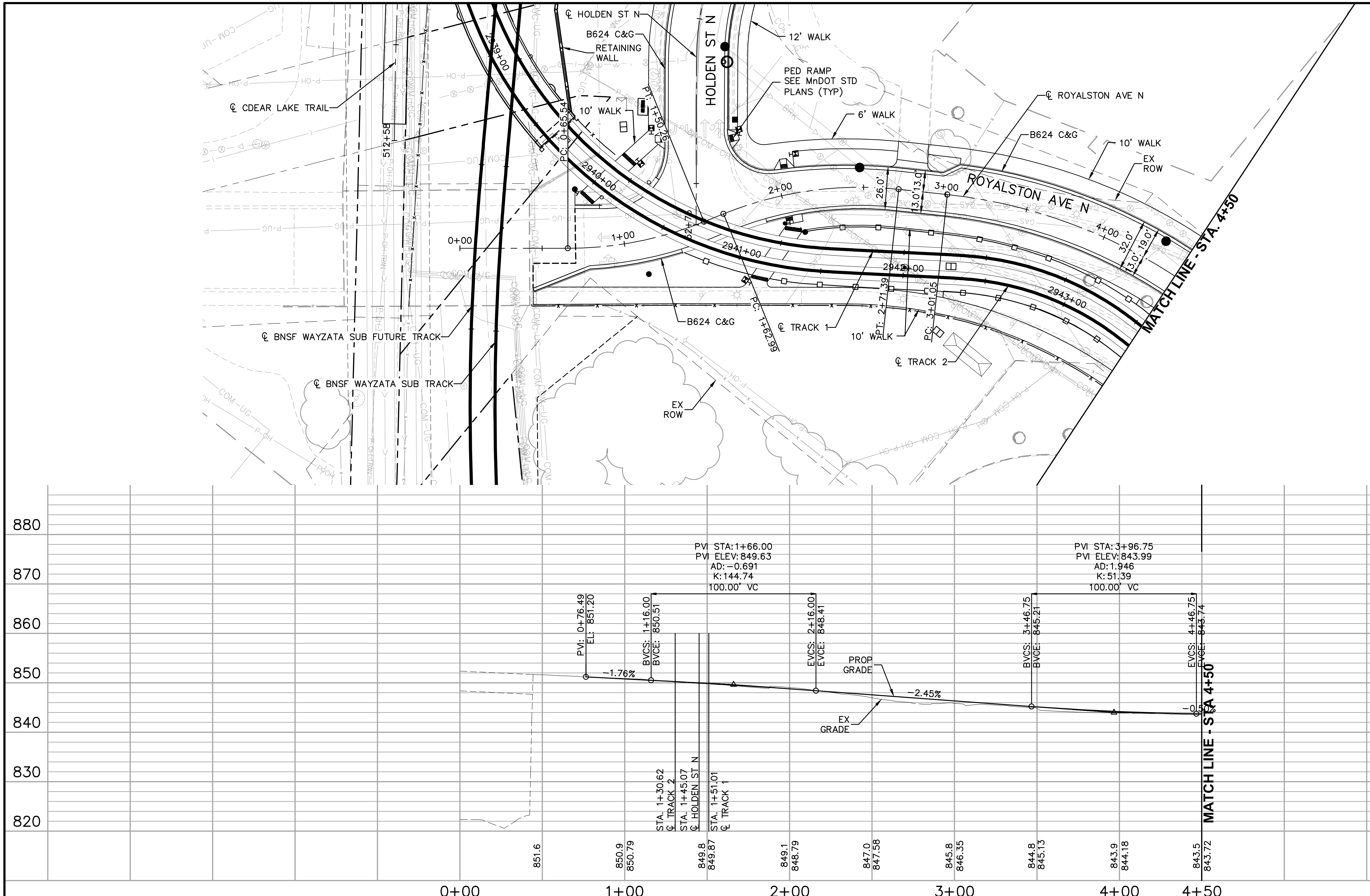
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CSAH 40 (GLENWOOD AVE)
PLAN AND PROFILE
STA. 5+00 TO STA. 11+50

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 013



CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE	0	5	10	20	VERTICAL
IN FEET	0	15	30	60	HORIZONTAL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

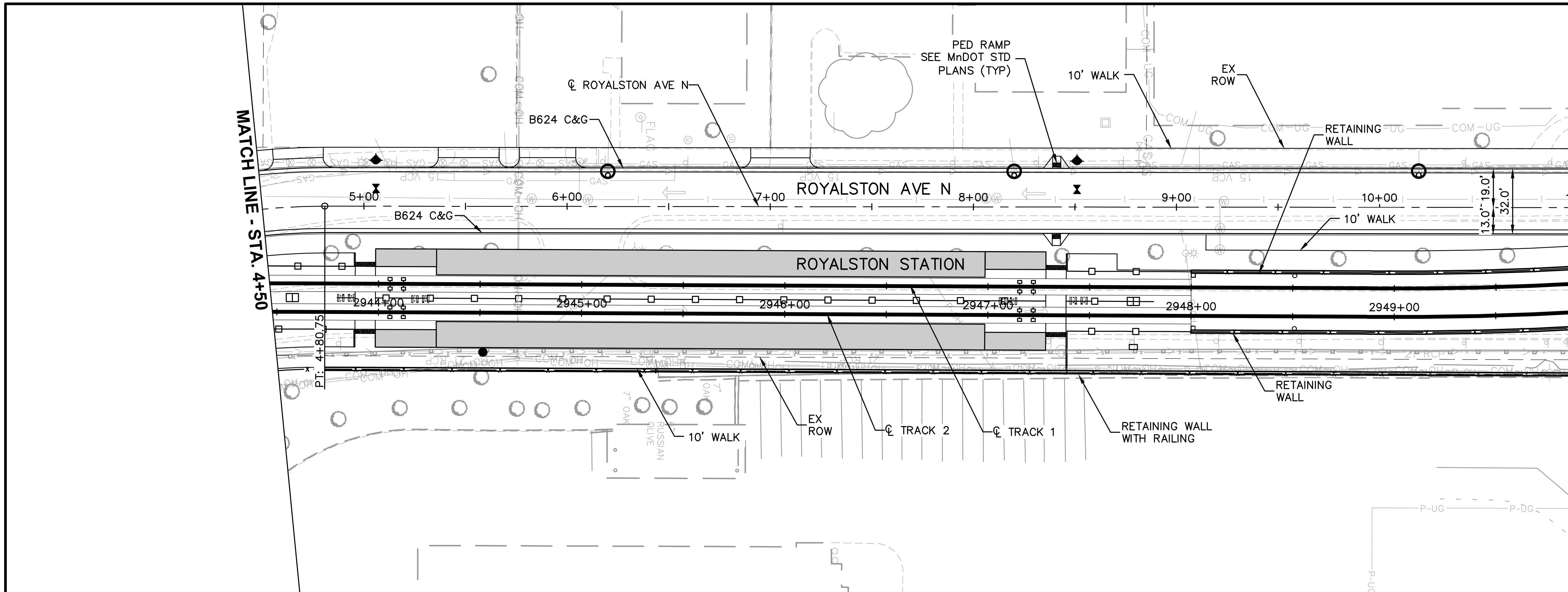
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROYALSON AVE N
PLAN AND PROFILE
STA. 0+00 TO STA. 4+50

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 014

SHEET 99 OF 199

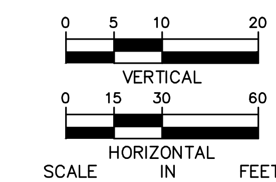


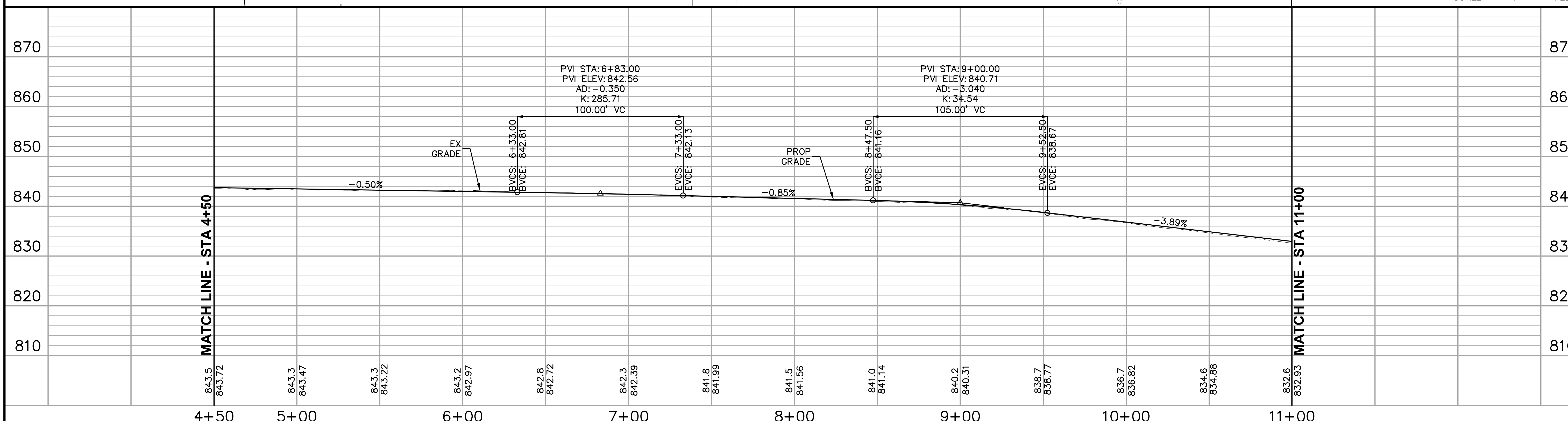
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROYALSON AVE N
PLAN AND PROFILE
STA. 4+50 TO STA. 11+00

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 015

SHEET 100 OF 199

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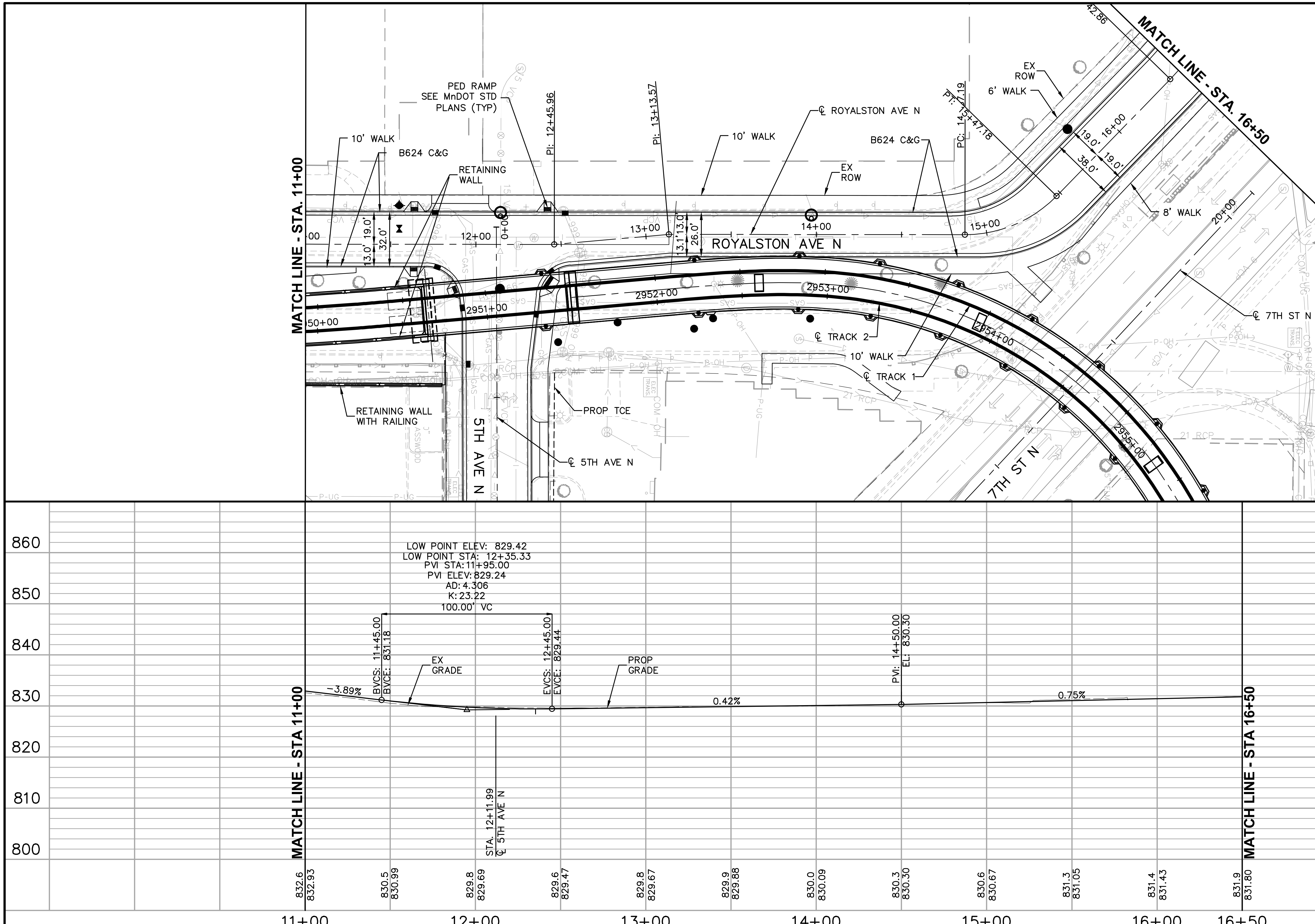


CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE IN FEET

VERTICAL: 0 5 10 20

HORIZONTAL: 0 15 30 60

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROYALSON AVE N
PLAN AND PROFILE
STA. 11+00 TO STA. 16+50

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 016

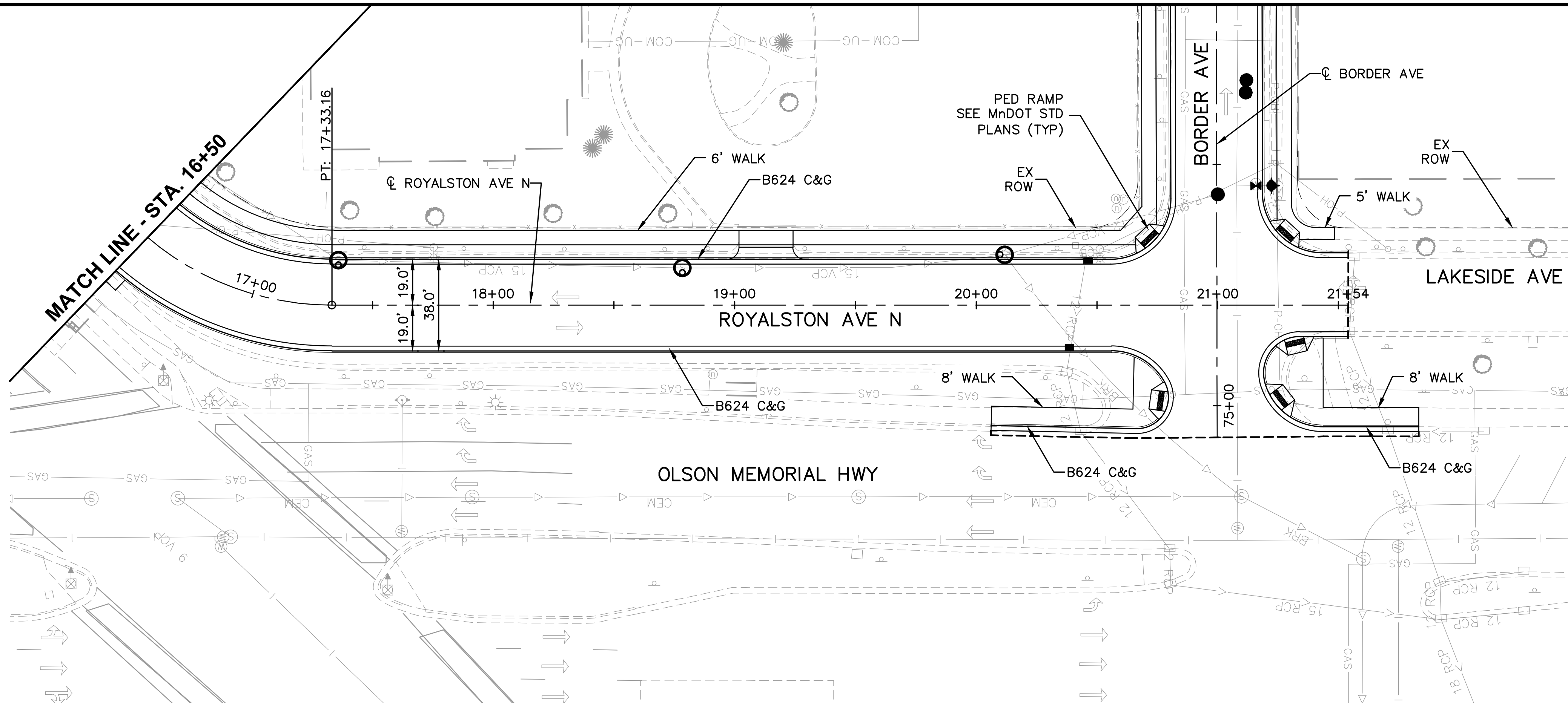
SHEET 101 OF 199

CONSTRUCTION NOTES

① XXXX

② XXXX

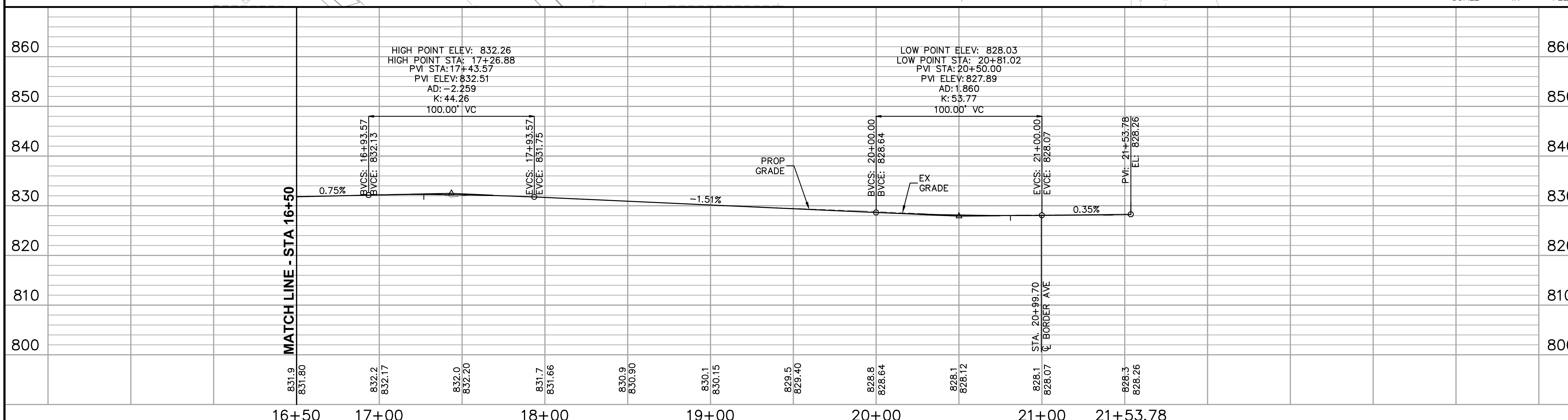
③ XXXX



NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE IN FEET: VERTICAL 0 5 10 20; HORIZONTAL 0 15 30 60



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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

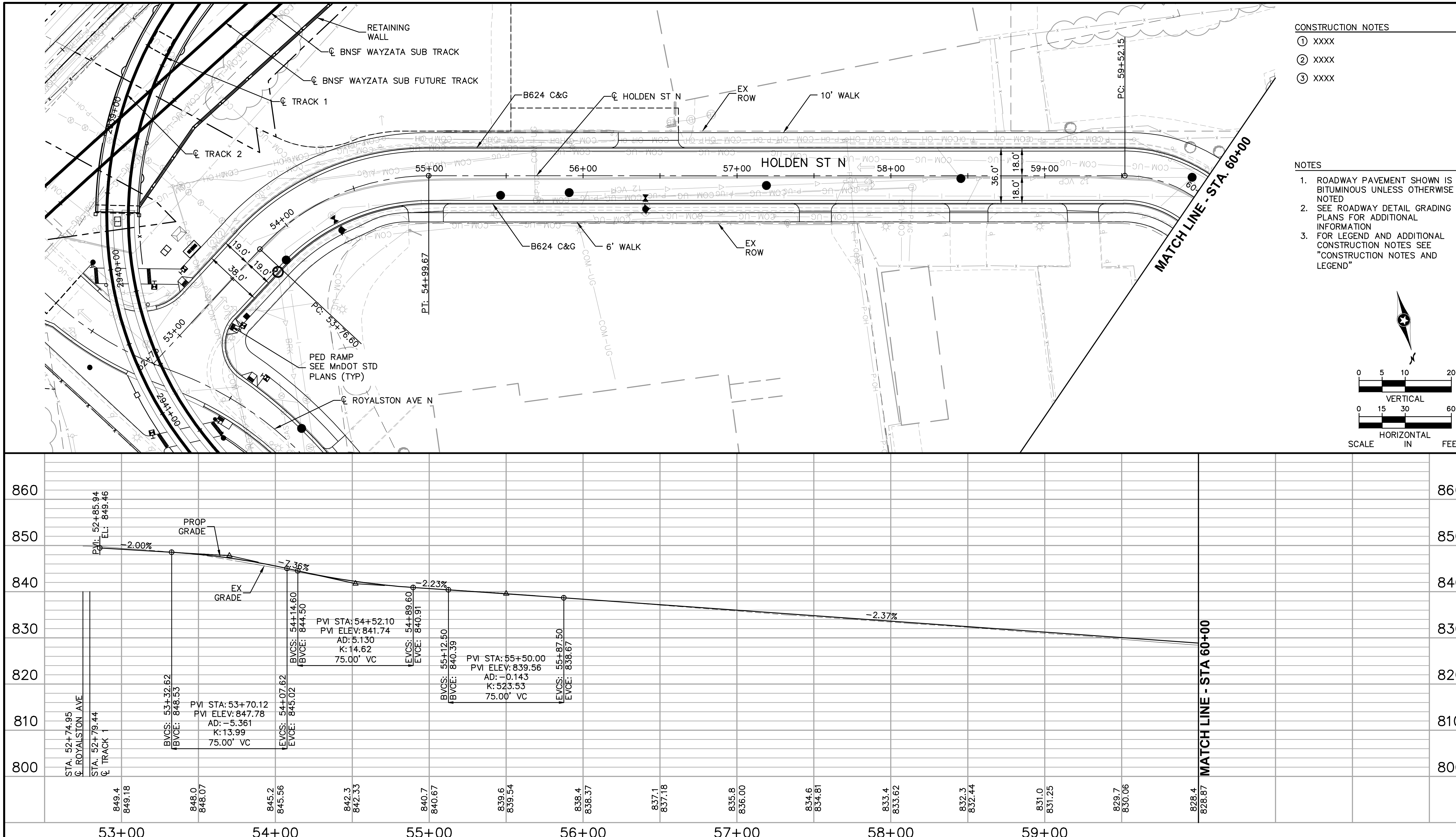
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROYALSON AVE N
PLAN AND PROFILE
STA. 16+50 TO STA. 21+54

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 017

SHEET 102 OF 199



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

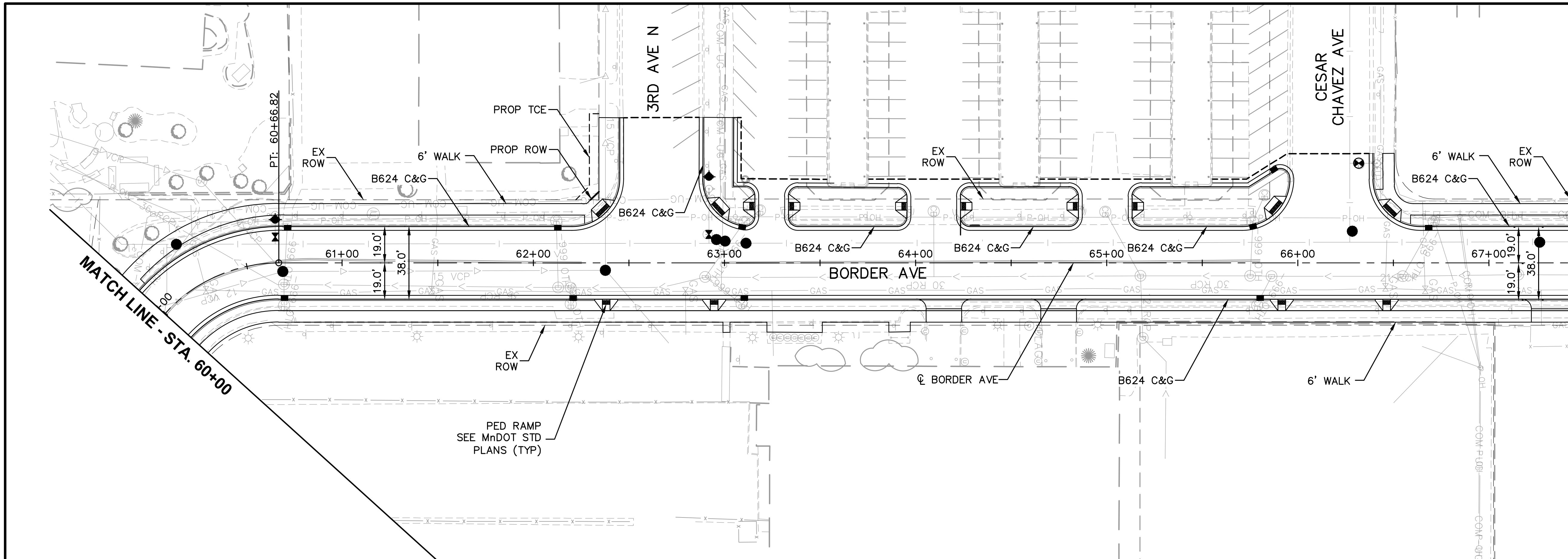
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
HOLDEN ST N
PLAN AND PROFILE
STA. 52+77 TO STA. 60+00

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 018

SHEET 103 OF 199



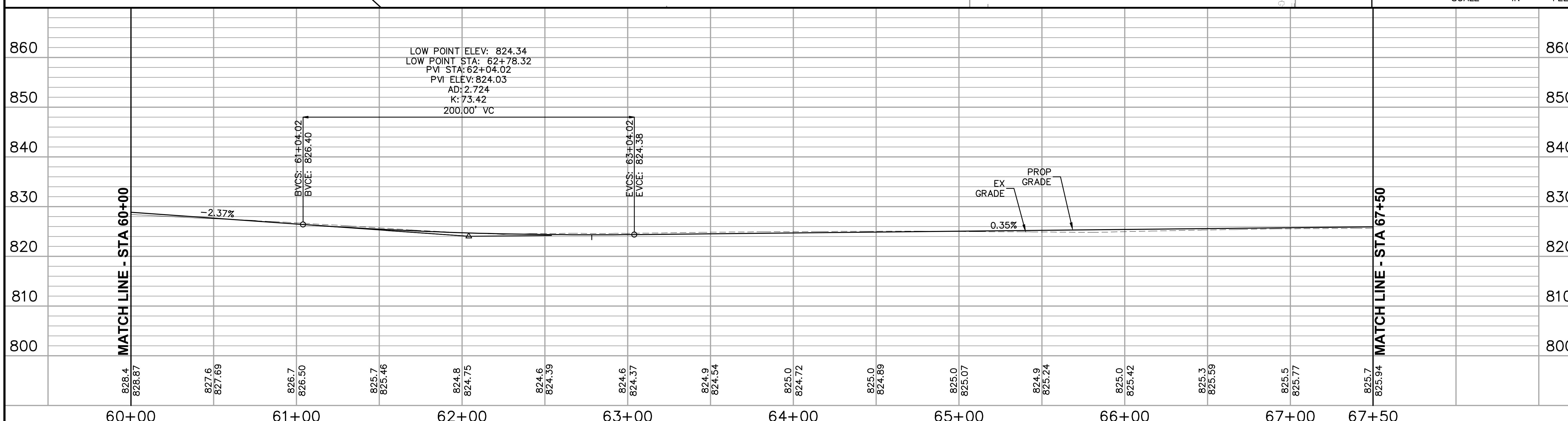
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

0 5 10 20
VERTICAL
0 15 30 60
HORIZONTAL
SCALE IN FEET



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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

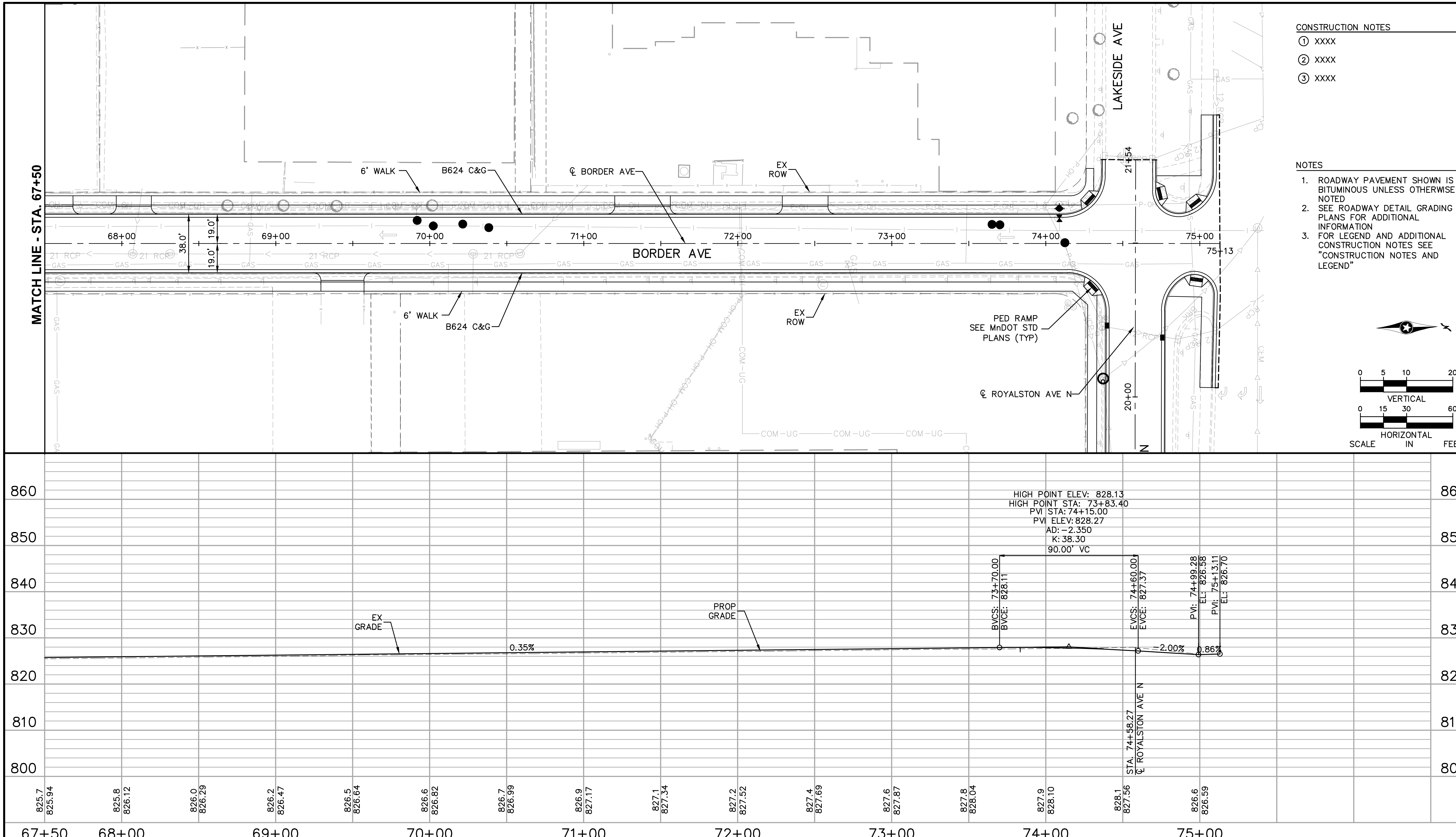
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
HOLDEN ST N & BORDER AVE
PLAN AND PROFILE
STA. 60+00 TO STA. 67+50

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 019

SHEET 104 OF 199



CONSTRUCTION NOTES

① XXXX

② XXXX

③ XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE IN FEET: VERTICAL 0 5 10 20; HORIZONTAL 0 15 30 60

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

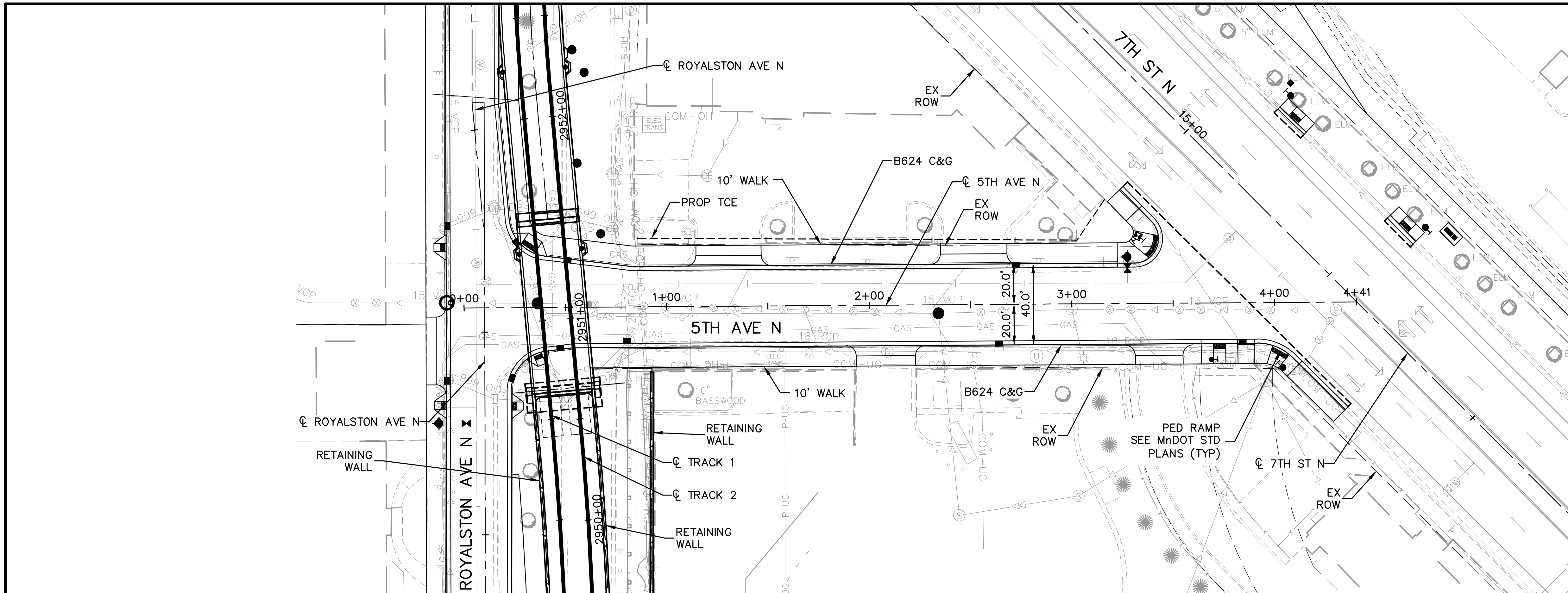
60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 2
BORDER AVE
PLAN AND PROFILE
STA. 67+50 TO STA. 75+13.11

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 020

SHEET 105 OF 199



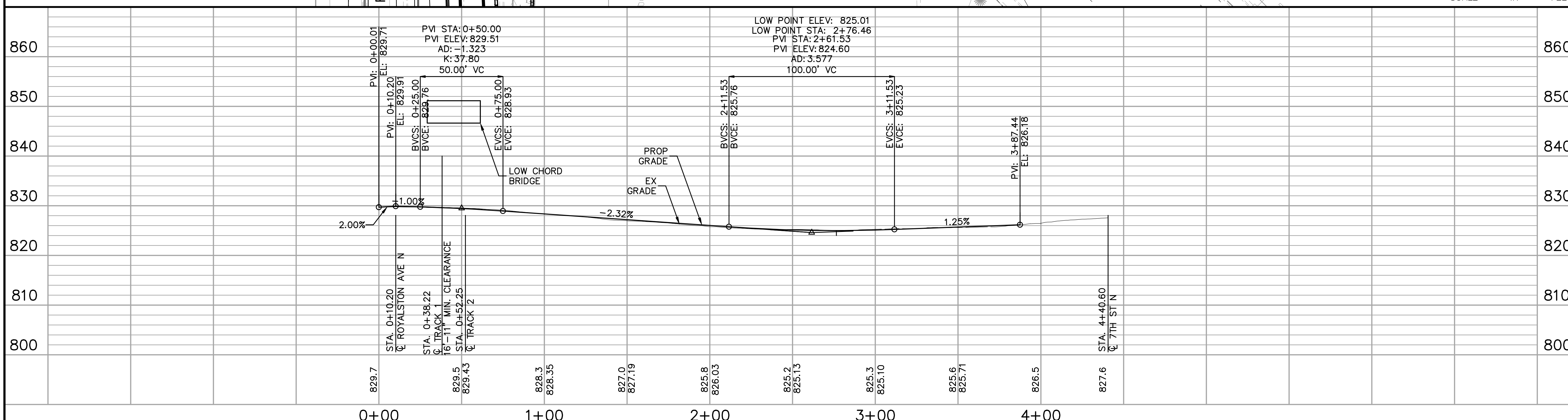
CONSTRUCTION NOTES

1. XXXX
2. XXXX
3. XXXX

NOTES

1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"

SCALE IN FEET: VERTICAL 0 5 10 20; HORIZONTAL 0 15 30 60



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
5TH AVE S
PLAN AND PROFILE
STA. 0+00 TO STA. 4+41

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF - 021

SHEET 106 OF 199

ALIGNMENT DATA
CEDAR LAKE LRT REGIONAL TRAIL

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L7	105+98.71	107+09.97							111.26	146773.30	491766.79	146811.23	491871.38	70°04'00"
C8	107+09.97	107+52.45	107+31.27		10°49'12"	25°27'53.25"	225.00	21.31	42.49	146811.23	491871.38	146821.87	491912.45	70°04'00" 80°53'11"
C9	107+52.45	107+94.94	107+73.76		10°49'12"	25°27'53.25"	225.00	21.31	42.49	146821.87	491912.45	146832.51	491953.52	80°53'11" 70°04'00"
L5	107+94.94	109+23.41							128.47	146832.51	491953.52	146876.31	492074.29	70°04'00"
C5	109+23.41	109+76.97	109+50.30		12°34'41"	23°28'54.76"	244.00	26.89	53.57	146876.31	492074.29	146888.92	492126.24	70°04'00" 82°38'41"
C3	109+76.97	110+33.17	110+05.19		12°34'41"	22°22'52.19"	256.00	28.21	56.20	146888.92	492126.24	146902.15	492180.75	82°38'41" 70°04'00"
L4	110+33.17	118+60.01							826.84	146902.15	492180.75	147184.04	492958.05	70°04'00"
C4	118+60.01	119+16.21	118+88.23		12°34'41"	22°22'52.19"	256.00	28.21	56.20	147184.04	492958.05	147208.82	493008.36	70°04'00" 57°29'18"
C16	119+16.21	119+69.78	119+43.10		12°34'41"	23°28'54.76"	244.00	26.89	53.57	147208.82	493008.36	147232.44	493056.32	57°29'18" 70°04'00"
L13	119+69.78	125+47.03							577.25	147232.44	493056.32	147429.24	493598.98	70°04'00"
C15	125+47.03	126+10.45	125+78.86		12°06'49"	19°05'54.94"	300.00	31.83	63.43	147429.24	493598.98	147456.99	493655.89	70°04'00" 57°57'10"
L8	126+10.45	126+80.22							69.76	147456.99	493655.89	147494.00	493715.02	57°57'10"
C17	126+80.22	127+43.64	127+12.05		12°06'49"	19°05'54.94"	300.00	31.83	63.43	147494.00	493715.02	147521.75	493771.93	57°57'10" 70°04'00"
L14	127+43.64	128+23.67							80.03	147521.75	493771.93	147549.03	493847.16	70°04'00"
C18	128+23.67	128+82.58	128+53.29		15°00'02"	25°27'53.25"	225.00	29.62	58.91	147549.03	493847.16	147561.68	493904.52	70°04'00" 85°04'02"
L10	128+82.58	129+47.97							65.39	147561.68	493904.52	147567.30	493969.67	85°04'02"
C12	129+47.97	129+74.15	129+61.14		15°00'02"	57°17'44.81"	100.00	13.17	26.18	147567.30	493969.67	147572.92	493995.17	85°04'02" 70°04'00"
L12	129+74.15	130+82.21							108.06	147572.92	493995.17	147609.76	494096.75	70°04'00"
C13	130+82.21	132+01.30	131+41.83		6°49'23"	5°43'46.48"	1000.00	59.61	119.09	147609.76	494096.75	147656.92	494206.03	70°04'00" 63°14'36"
L11	132+01.30	132+29.29							27.99	147656.92	494206.03	147669.53	494231.02	63°14'36"
C14	132+29.29	133+46.12	132+87.77		6°41'39"	5°43'46.48"	1000.00	58.48	116.83	147669.53	494231.02	147715.92	494338.18	63°14'36" 69°56'15"
L3	133+46.12	146+34.60							1288.47	147715.92	494338.18	148157.92	495548.46	69°56'15"
C10	146+34.60	146+94.05	146+64.33		3°24'23"	5°43'46.48"	1000.00	29.73	59.45	148157.92	495548.46	148176.64	495604.88	69°56'15" 73°20'38"
L9	146+94.05	147+22.71							28.66	148176.64	495604.88	148184.86	495632.34	73°20'38"
C11	147+22.71	147+60.69	147+41.73		7°15'13"	19°05'54.94"	300.00	19.02	37.98	148184.86	495632.34	148198.02	495667.94	73°20'38" 66°05'25"
C7	147+60.69	148+50.33	148+05.51		1°17'24"	1°26'20.58"	3981.50	44.82	89.64	148198.02	495667.94	148235.27	495749.47	66°05'25" 64°48'01"
L6	148+50.33	148+80.52							30.19	148235.27	495749.47	148248.12	495776.79	64°48'01"
C6	148+80.52	149+00.78	148+90.65		0°34'49"	2°51'53.24"	2000.00	10.13	20.25	148248.12	495776.79	148256.84	495795.07	64°48'01" 64°13'13"
L1	149+00.78	151+17.44							216.66	148256.84	495795.07	148351.07	495990.17	64°13'13"
C2	151+17.44	151+49.96	151+37.98		88°44'12"	272°50'13.36"	21.00	20.54	32.52	148351.07	495990.17	148378.69	496000.14	64°13'13" 335°29'01"
L2	151+49.96	151+70.85							20.89	148378.69	496000.14	148397.70	495991.48	335°29'01"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

DESIGNED BY: CHECKED BY:
DRAWN BY: DATE:

60% SUBMISSION - 09/28/15

AECOM Kimley»Horn

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
TRAIL
ALIGNMENT TABULATIONS
SHEET 1

DISCIPLINE: CIVIL
SHEET NAME: E0-TRL-ALG - 001

ALIGNMENT DATA
CEDAR LAKE LRT REGIONAL TRAIL

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L20	159+00.00	160+00.00							100.00	149007.49	496988.42	148998.61	497088.03	95°05'43"
L15	160+00.00	160+85.91							85.91	148998.61	497088.03	148990.98	497173.60	95°05'43"
C54	160+85.91	162+06.45	161+47.67		30°41'43"	25°27'53.25"	225.00	61.75	120.54	148990.98	497173.60	149012.18	497290.80	95°05'43" 64°24'00"
L16	162+06.45	178+43.29							1636.84	149012.18	497290.80	149719.44	498766.96	64°24'00"
C55	178+43.29	178+78.28	178+60.79		2°00'16"	5°43'46.48"	1000.00	17.49	34.99	149719.44	498766.96	149735.10	498798.24	64°24'00" 62°23'44"
L17	178+78.28	179+43.35							65.07	149735.10	498798.24	149765.25	498855.90	62°23'44"
C56	179+43.35	179+78.34	179+60.84		2°00'16"	5°43'46.48"	1000.00	17.49	34.99	149765.25	498855.90	149780.92	498887.18	62°23'44" 64°24'00"
L18	179+78.34	190+66.78							1088.44	149780.92	498887.18	150251.22	499868.77	64°24'00"
C19	190+66.78	191+01.76	190+84.27		2°00'16"	5°43'46.48"	1000.00	17.49	34.99	150251.22	499868.77	150265.78	499900.58	64°24'00" 66°24'16"
L19	191+01.76	191+66.83							65.07	150265.78	499900.58	150291.83	499960.21	66°24'16"
C20	191+66.83	192+01.82	191+84.33		2°00'16"	5°43'46.48"	1000.00	17.49	34.99	150291.83	499960.21	150306.39	499992.02	66°24'16" 64°24'00"
L40	192+01.82	241+09.27							4907.45	150306.39	499992.02	152426.83	504417.72	64°24'00"
C44	241+09.27	241+71.23	241+40.26		3°33'00"	5°43'46.48"	1000.00	30.99	61.96	152426.83	504417.72	152455.31	504472.73	64°24'00" 60°51'00"
L43	241+71.23	244+56.47							285.24	152455.31	504472.73	152594.25	504721.84	60°51'00"
C45	244+56.47	245+18.43	244+87.46		3°33'00"	5°43'46.48"	1000.00	30.99	61.96	152594.25	504721.84	152622.74	504776.86	60°51'00" 64°24'00"
L44	245+18.43	245+70.69							52.26	152622.74	504776.86	152645.32	504823.98	64°24'00"
C46	245+70.69	246+18.41	245+94.55		2°44'04"	5°43'46.48"	1000.00	23.87	47.72	152645.32	504823.98	152664.91	504867.50	64°24'00" 67°08'04"
L45	246+18.41	250+21.35							402.94	152664.91	504867.50	152821.48	505238.77	67°08'04"
C47	250+21.35	250+69.07	250+45.21		2°44'04"	5°43'46.48"	1000.00	23.87	47.72	152821.48	505238.77	152841.06	505282.29	67°08'04" 64°24'00"
L46	250+69.07	252+53.66							184.59	152841.06	505282.29	152920.82	505448.75	64°24'00"
C48	252+53.66	253+12.79	252+83.32		11°17'39"	19°05'54.94"	300.00	29.66	59.14	152920.82	505448.75	152951.44	505499.23	64°24'00" 53°06'21"
L34	253+12.79	253+43.43							30.63	152951.44	505499.23	152969.84	505523.73	53°06'21"
C36	253+43.43	254+02.56	253+73.09		11°17'39"	19°05'54.94"	300.00	29.66	59.14	152969.84	505523.73	153000.46	505574.21	53°06'21" 64°24'00"
L37	254+02.56	254+72.57							70.00	153000.46	505574.21	153030.71	505637.34	64°24'00"
C37	254+72.57	255+31.04	255+01.89		11°10'01"	19°05'54.94"	300.00	29.33	58.47	153030.71	505637.34	153050.69	505692.19	64°24'00" 75°34'01"

ALIGNMENT DATA
CEDAR LAKE LRT REGIONAL TRAIL

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L36	255+31.04	255+63.35							32.32	153050.69	505692.19	153058.75	505723.49	75°34'01"
C35	255+63.35	256+21.82	255+92.68		11°10'01"	19°05'54.94"	300.00	29.33	58.47	153058.75	505723.49	153078.73	505778.34	75°34'01" 64°24'00"
L35	256+21.82	268+32.24							1210.41	153078.73	505778.34	153601.73	506869.93	64°24'00"
C33	268+32.24	268+57.65	268+44.95		4°51'10"	19°05'54.94"	300.00	12.71	25.41	153601.73	506869.93	153613.67	506892.35	64°24'00" 59°32'50"
L30	268+57.65	268+91.33							33.68	153613.67	506892.35	153630.74	506921.39	59°32'50"
C34	268+91.33	269+16.74	269+04.04		4°51'10"	19°05'54.94"	300.00	12.71	25.41	153630.74	506921.39	153642.67	506943.81	59°32'50" 64°24'00"
L31	269+16.74	273+46.95							430.21	153642.67	506943.81	153828.56	507331.78	64°24'00"
C27	273+46.95	273+72.93	273+59.95		4°57'45"	19°05'54.94"	300.00	13.00	25.98	153828.56	507331.78	153838.76	507355.67	64°24'00" 69°21'45"
L32	273+72.93	274+04.73							31.80	153838.76	507355.67	153849.97	507385.43	69°21'45"
C28	274+04.73	274+30.71	274+17.73		4°57'45"	19°05'54.94"	300.00	13.00	25.98	153849.97	507385.43	153860.16	507409.32	69°21'45" 64°24'00"
L21	274+30.71	289+32.47							1501.76	153860.16	507409.32	154509.05	508763.66	64°24'00"
C23	289+32.47	289+78.90	289+55.70		5°19'13"	11°27'32.96"	500.00	23.23	46.43	154509.05	508763.66	154531.03	508804.54	64°24'00" 59°04'47"
L25	289+78.90	291+61.73							182.83	154531.03	508804.54	154624.97	508961.38	59°04'47"
C24	291+61.73	292+06.86	291+84.31		5°10'20"	11°27'32.96"	500.00	22.58	45.13	154624.97	508961.38	154646.39	509001.10	59°04'47" 64°15'06"
L26	292+06.86	294+98.39							291.52	154646.39	509001.10	154773.03	509263.67	64°15'06"
C25	294+98.39	295+43.84	295+21.13		5°12'29"	11°27'32.96"	500.00	22.74	45.45	154773.03	509263.67	154790.89	509305.45	64°15'06" 69°27'35"
L27	295+43.84	296+11.05							67.21	154790.89	509305.45	154814.47	509368.39	69°27'35"
C26	296+11.05	296+60.43	296+35.76		5°39'32"	11°27'32.96"	500.00	24.71	49.38	154814.47	509368.39	154834.05	509413.70	69°27'35" 63°48'03"
L22	296+60.43	307+52.18							1091.74	154834.05	509413.70	155316.05	510393.29	63°48'03"
C22	307+52.18	312+60.55	310+06.43		3°14'11"	0°38'11.83"	9000.00	254.25	508.37	155316.05	510393.29	155527.49	510855.53	63°48'03" 67°02'14"
L23	312+60.55	314+61.56							201.01	155527.49	510855.53	155605.91	511040.61	67°02'14"
C21	314+61.56	314+85.14	314+73.35		2°42'07"	11°27'32.96"	500.00	11.79	23.58	155605.91	511040.61	155615.62	511062.09	67°02'14" 64°20'07"
L24	314+85.14	316+90.77							205.64	155615.62	511062.09	155704.68	511247.44	64°20'07"
C41	316+90.77	317+72.03	317+31.42		4°39'21"	5°43'46.48"	1000.00	40.65	81.26	155704.68	511247.44	155736.86	511322.03	64°20'07" 68°59'28"
L41	317+72.03	318+69.27							97.24	155736.86	511322.03	155771.72	511412.81	68°59'28"

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

DESIGNED BY: CHECKED BY:
DRAWN BY: DATE:

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
TRAIL
ALIGNMENT TABULATIONS
SHEET 3

DISCIPLINE: CIVIL

SHEET NAME: E0-TRL-ALG - 003

ALIGNMENT DATA
CEDAR LAKE LRT REGIONAL TRAIL

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
C42	318+69.27	319+93.39	319+31.41		7°06'42"	5°43'46.48"	1000.00	62.14	124.12	155771.72	511412.81	155823.29	511525.62	68°59'28" 61°52'46"
L42	319+93.39	321+31.63							138.24	155823.29	511525.62	155888.45	511647.54	61°52'46"
C43	321+31.63	322+55.75	321+93.77		7°06'42"	5°43'46.48"	1000.00	62.14	124.12	155888.45	511647.54	155940.01	511760.35	61°52'46" 68°59'28"
L28	322+55.75	326+91.91							436.17	155940.01	511760.35	156096.38	512167.53	68°59'28"
C29	326+91.91	327+41.46	327+17.21		28°23'26"	57°17'44.81"	100.00	25.30	49.55	156096.38	512167.53	156102.20	512216.23	68°59'28" 97°22'54"
L29	327+41.46	329+12.16							170.70	156102.20	512216.23	156080.27	512385.51	97°22'54"
C30	329+12.16	329+56.94	329+34.93		25°39'27"	57°17'44.81"	100.00	22.77	44.78	156080.27	512385.51	156084.49	512429.71	97°22'54" 71°43'27"
L33	329+56.94	332+53.79							296.85	156084.49	512429.71	156177.58	512711.59	71°43'27"
L39	339+80.88	340+44.96							64.09	156263.21	513430.88	156258.54	513494.79	94°10'25"
C40	340+44.96	346+42.27	343+45.86		17°06'41"	2°51'53.24"	2000.00	300.89	597.30	156258.54	513494.79	156304.01	514088.14	94°10'25" 77°03'43"
C38	346+42.27	347+00.11	346+71.22		6°37'42"	11°27'32.96"	500.00	28.95	57.84	156304.01	514088.14	156320.19	514143.64	77°03'43" 70°26'02"
L38	347+00.11	349+10.04							209.93	156320.19	514143.64	156390.50	514341.44	70°26'02"
C50	349+10.04	355+10.06	352+12.57		18°06'48"	3°01'07.48"	1898.00	302.54	600.02	156390.50	514341.44	156676.74	514865.95	70°26'02" 52°19'14"
C49	355+10.06	357+47.10	356+28.75		7°32'58"	3°11'05.53"	1799.00	118.69	237.04	156676.74	514865.95	156833.55	515043.48	52°19'14" 44°46'16"
L48	357+47.10	366+58.72							911.62	156833.55	515043.48	157480.73	515685.51	44°46'16"
C52	366+58.72	369+12.49	367+85.78		7°21'23"	2°53'55.86"	1976.50	127.06	253.77	157480.73	515685.51	157671.85	515852.20	44°46'16" 37°24'53"
C53	369+12.49	369+89.01	369+50.96		14°33'58"	19°02'06.51"	301.00	38.47	76.52	157671.85	515852.20	157726.10	515905.88	37°24'53" 51°58'51"
L47	369+89.01	371+18.81							129.79	157726.10	515905.88	157806.04	516008.13	51°58'51"
C51	371+18.81	373+07.08	372+13.03		5°59'10"	3°10'46.44"	1802.00	94.22	188.27	157806.04	516008.13	157914.05	516162.23	51°58'51" 57°58'01"

ALIGNMENT DATA
KENILWORTH TRAIL

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L49	380+00.00	380+23.93							23.93	157728.96	515912.78	157747.82	515898.04	321°58'51"
C57	380+23.93	380+76.48	380+54.51		73°25'56"	139°44'44.89"	41.00	30.58	52.55	157747.82	515898.04	157796.83	515896.93	321°58'51" 35°24'47"
C58	380+76.48	384+63.95	382+71.10		13°22'19"	3°27'03.59"	1660.27	194.62	387.48	157796.83	515896.93	158135.84	516082.74	35°24'47" 22°02'29"
L53	384+63.95	384+85.04							21.08	158135.84	516082.74	158155.38	516090.65	22°02'29"
C59	384+85.04	385+14.30	384+99.67		0°10'04"	0°34'22.85"	9999.00	14.63	29.26	158155.38	516090.65	158182.52	516101.60	22°02'29" 21°52'25"
L56	385+14.30	389+32.03							417.73	158182.52	516101.60	158570.18	516257.22	21°52'25"
C60	389+32.03	389+57.16	389+44.59		0°08'38"	0°34'22.44"	10001.00	12.57	25.13	158570.18	516257.22	158593.49	516266.62	21°52'25" 22°01'03"
L50	389+57.16	389+80.34							23.18	158593.49	516266.62	158614.98	516275.31	22°01'03"
C61	389+80.34	394+96.00	392+39.78		15°39'00"	3°02'05.74"	1887.88	259.45	515.66	158614.98	516275.31	159060.87	516531.11	22°01'03" 37°40'03"
L51	394+96.00	396+73.28							177.28	159060.87	516531.11	159201.20	516639.44	37°40'03"
C62	396+73.28	397+15.50	396+94.39		2°25'10"	5°43'46.48"	1000.00	21.12	42.23	159201.20	516639.44	159234.07	516665.94	37°40'03" 40°05'13"
L52	397+15.50	397+71.10							55.59	159234.07	516665.94	159276.60	516701.74	40°05'13"
C82	397+71.10	398+87.88	398+29.56		6°41'29"	5°43'46.48"	1000.00	58.46	116.78	159276.60	516701.74	159370.13	516771.56	40°05'13" 33°23'44"
L71	398+87.88	399+56.53							68.64	159370.13	516771.56	159427.44	516809.35	33°23'44"
C83	399+56.53	400+22.55	399+89.55		3°46'59"	5°43'46.48"	1000.00	33.03	66.03	159427.44	516809.35	159481.33	516847.48	33°23'44" 37°10'43"
L72	400+22.55	400+57.02							34.47	159481.33	516847.48	159508.79	516868.31	37°10'43"
C84	400+57.02	401+42.54	401+00.07		16°19'55"	19°05'54.94"	300.00	43.05	85.51	159508.79	516868.31	159568.69	516928.94	37°10'43" 53°30'38"
L73	401+42.54	401+68.71							26.18	159568.69	516928.94	159584.26	516949.98	53°30'38"
C85	401+68.71	402+39.00	402+04.02		13°25'26"	19°05'54.94"	300.00	35.30	70.29	159584.26	516949.98	159632.27	517001.10	53°30'38" 40°05'13"
L74	402+39.00	403+59.69							120.69	159632.27	517001.10	159724.60	517078.82	40°05'13"
C86	403+59.69	403+90.09	403+74.89		0°20'54"	1°08'45.30"	5000.00	15.20	30.40	159724.60	517078.82	159747.92	517098.32	40°05'13" 39°44'19"
L75	403+90.09	407+34.49							344.40	159747.92	517098.32	160012.75	517318.49	39°44'19"
C87	407+34.49	408+27.10	407+80.80		2°38'33"	2°51'12.15"	2008.00	46.31	92.61	160012.75	517318.49	160085.31	517376.04	39°44'19" 37°05'46"
C88	408+27.10	408+52.89	408+40.00		1°28'39"	5°43'46.48"	1000.00	12.89	25.79	160085.31	517376.04	160105.67	517391.85	37°05'46" 38°34'24"
L76	408+52.89	409+85.38							132.49	160105.67	517391.85	160209.26	517474.46	38°34'24"

ALIGNMENT DATA
KENILWORTH TRAIL

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
C89	409+85.38	411+67.88	410+76.95		11°37'07"	6°21'58.31"	900.00	91.57	182.50	160209.26	517474.46	160362.46	517573.06	38°34'24" 26°57'18"
C66	411+67.88	415+20.52	413+45.07		13°51'28"	3°55'47.11"	1458.00	177.18	352.64	160362.46	517573.06	160692.97	517693.53	26°57'18" 13°05'49"
L64	415+20.52	415+57.05							36.53	160692.97	517693.53	160728.55	517701.81	13°05'49"
C72	415+57.05	416+01.37	415+79.21		2°32'22"	5°43'46.48"	1000.00	22.16	44.32	160728.55	517701.81	160771.92	517710.89	13°05'49" 10°33'27"
L65	416+01.37	422+55.46							654.09	160771.92	517710.89	161414.94	517830.74	10°33'27"
C73	422+55.46	423+26.30	422+91.05		13°31'45"	19°05'54.94"	300.00	35.58	70.84	161414.94	517830.74	161485.46	517835.41	10°33'27" 357°01'42"
L62	423+26.30	428+23.79							497.48	161485.46	517835.41	161982.28	517809.62	357°01'42"
L63	428+23.79	429+05.82							82.03	161982.28	517809.62	162064.22	517805.83	357°21'13"
L61	429+05.82	429+18.08							12.26	162064.22	517805.83	162076.46	517805.12	356°39'21"
C71	429+18.08	429+50.01	429+34.06		6°05'52"	19°05'54.94"	300.00	15.98	31.93	162076.46	517805.12	162108.18	517801.56	356°39'21" 350°33'29"
L60	429+50.01	429+60.47							10.46	162108.18	517801.56	162118.49	517799.85	350°33'29"
C70	429+60.47	429+94.34	429+77.42		6°28'13"	19°05'54.94"	300.00	16.96	33.88	162118.49	517799.85	162152.16	517796.19	350°33'29" 357°01'42"
L59	429+94.34	431+31.64							137.30	162152.16	517796.19	162289.27	517789.07	357°01'42"
C68	431+31.64	431+74.07	431+52.87		4°03'08"	9°32'57.47"	600.00	21.23	42.44	162289.27	517789.07	162331.69	517788.37	357°01'42" 1°04'50"
C69	431+74.07	436+34.70	434+08.55		26°23'31"	5°43'46.48"	1000.00	234.47	460.63	162331.69	517788.37	162774.15	517900.96	1°04'50" 27°28'22"
L57	436+34.70	440+06.89							372.19	162774.15	517900.96	163104.37	518072.66	27°28'22"
C67	440+06.89	440+62.33	440+34.61		1°35'18"	2°51'53.24"	2000.00	27.72	55.44	163104.37	518072.66	163153.20	518098.92	27°28'22" 29°03'39"
L58	440+62.33	444+93.33							431.00	163153.20	518098.92	163529.94	518308.27	29°03'39"
C74	444+93.33	445+35.69	445+14.51		1°00'15"	2°22'15.68"	2416.50	21.18	42.35	163529.94	518308.27	163566.78	518329.17	29°03'39" 30°03'54"
C75	445+35.69	445+64.51	445+50.11		5°30'20"	19°05'54.94"	300.00	14.42	28.83	163566.78	518329.17	163592.38	518342.39	30°03'54" 24°33'34"
C76	445+64.51	445+91.30	445+77.92		6°49'15"	25°27'53.25"	225.00	13.41	26.79	163592.38	518342.39	163616.02	518354.94	24°33'34" 31°22'49"
C64	445+91.30	453+75.15	449+86.69		18°33'44"	2°22'05.10"	2419.50	395.39	783.85	163616.02	518354.94	164208.04	518863.46	31°22'49" 49°56'34"
L68	453+75.15	455+35.29							160.14	164208.04	518863.46	164311.10	518986.04	49°56'34"
C79	455+35.29	456+26.88	455+81.12		5°14'51"	5°43'46.48"	1000.00	45.82	91.58	164311.10	518986.04	164366.74	519058.73	49°56'34" 55°11'24"
L69	456+26.88	460+79.56							452.68	164366.74	519058.73	164625.16	519430.41	55°11'24"

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

DESIGNED BY: CHECKED BY:
DRAWN BY: DATE:

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
TRAIL
ALIGNMENT TABULATIONS
SHEET 6

DISCIPLINE: CIVIL

SHEET NAME: E0-TRL-ALG - 006

ALIGNMENT DATA
KENILWORTH TRAIL

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
C80	460+79.56	463+98.67	462+40.13		15°45'42"	4°56'21.45"	1160.00	160.57	319.11	164625.16	519430.41	164769.23	519714.02	55°11'24" 70°57'06"
L70	463+98.67	467+79.93							381.27	164769.23	519714.02	164893.66	520074.41	70°57'06"
C81	467+79.93	468+47.17	468+13.56		3°51'08"	5°43'46.48"	1000.00	33.63	67.23	164893.66	520074.41	164917.72	520137.17	70°57'06" 67°05'58"
C65	468+47.17	469+91.39	469+19.31		4°07'54"	2°51'53.24"	2000.00	72.14	144.23	164917.72	520137.17	164969.00	520271.94	67°05'58" 71°13'53"
L54	469+91.39	474+44.56							453.17	164969.00	520271.94	165114.81	520701.01	71°13'53"
C63	474+44.56	475+85.53	475+15.16		8°05'04"	5°44'07.13"	999.00	70.60	140.96	165114.81	520701.01	165169.42	520830.84	71°13'53" 63°08'48"
L55	475+85.53	476+57.65							72.13	165169.42	520830.84	165202.00	520895.19	63°08'48"
C77	476+57.65	477+82.65	477+20.91		21°38'14"	17°18'35.65"	331.00	63.25	125.00	165202.00	520895.19	165236.32	521014.62	63°08'48" 84°47'02"
L66	477+82.65	478+11.89							29.24	165236.32	521014.62	165238.98	521043.73	84°47'02"
C78	478+11.89	479+88.15	479+00.94		20°11'52"	11°27'32.96"	500.00	89.05	176.26	165238.98	521043.73	165285.29	521212.85	84°47'02" 64°35'10"
L67	479+88.15	480+36.92							48.77	165285.29	521212.85	165306.22	521256.91	64°35'10"

ALIGNMENT DATA
NORTH CEDAR LAKE TRAIL

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L77	550+00.00	551+39.67							139.67	164374.68	518677.58	164425.16	518807.82	68°48'48"
L78	554+39.78	555+26.50							86.72	164460.88	519042.22	164389.68	519091.73	145°11'24"

ALIGNMENT DATA
LUCE LINE REGIONAL TRAIL

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
C96	3+41.82	3+70.24	3+56.04		4°55'37"	17°20'08.08"	330.51	14.22	28.42	166633.16	521901.17	166606.03	521909.59	165°12'40" 160°17'03"
C97	3+70.24	4+00.28	3+86.56		55°31'14"	184°49'30.34"	31.00	16.32	30.04	166606.03	521909.59	166586.51	521930.88	160°17'03" 104°45'49"
C98	4+00.28	4+83.60	4+45.63		56°09'49"	67°24'24.48"	85.00	45.35	83.32	166586.51	521930.88	166532.09	521989.55	104°45'49" 160°55'38"
L82	4+83.60	5+26.38							42.78	166532.09	521989.55	166491.66	522003.53	160°55'38"
C95	5+26.38	6+25.86	6+03.36		113°59'21"	114°35'29.61"	50.00	76.98	99.47	166491.66	522003.53	166471.47	522084.92	160°55'38" 46°56'17"
L81	6+25.86	9+90.32							364.47	166471.47	522084.92	166720.32	522351.21	46°56'17"
C94	9+90.32	10+00.00	9+95.58		55°26'43"	572°57'28.06"	10.00	5.26	9.68	166720.32	522351.21	166722.78	522360.18	46°56'17" 102°23'00"
L80	10+00.00	13+35.99							335.99	166722.78	522360.18	166650.73	522688.35	102°23'00"
C91	15+26.20	16+21.15	15+73.80		10°05'36"	10°37'48.05"	539.00	47.60	94.95	166474.84	522701.91	166390.10	522744.48	158°22'06" 148°16'30"

ALIGNMENT DATA
CEDAR LAKE TRAIL

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
C100	499+71.32	501+41.11	500+56.25		3°39'26"	2°09'14.32"	2660.00	84.93	169.79	168113.22	525034.83	168191.79	525185.32	60°36'14" 64°15'40"
L83	501+41.11	502+39.56							98.44	168191.79	525185.32	168234.54	525273.99	64°15'40"
C99	502+39.56	504+92.37	503+65.97		1°26'55"	0°34'22.65"	10000.00	126.41	252.81	168234.54	525273.99	168341.43	525503.08	64°15'40" 65°42'35"

ALIGNMENT DATA
TRAIL A

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
C103	510+47.68	511+35.83	510+92.18		19°20'57"	21°57'08.66"	261.00	44.49	88.14	160200.76	517498.44	160267.48	517555.40	50°09'52" 30°48'55"
L86	511+35.83	511+41.37							5.55	160267.48	517555.40	160272.24	517558.24	30°48'55"
C102	511+41.37	512+59.29	512+00.44		8°26'04"	7°09'10.91"	801.00	59.06	117.91	160272.24	517558.24	160377.58	517610.99	30°48'55" 22°22'51"
C101	512+59.29	513+35.79	512+97.54		0°26'18"	0°34'22.65"	10000.00	38.25	76.50	160377.58	517610.99	160448.21	517640.39	22°22'51" 22°49'09"
C104	513+35.79	516+19.47	514+78.07		10°57'36"	3°51'48.62"	1483.00	142.27	283.68	160448.21	517640.39	160718.59	517724.80	22°49'09" 11°51'33"
L85	516+19.47	518+88.29							268.82	160718.59	517724.80	160981.67	517780.05	11°51'33"
C105	518+88.29	520+51.52	519+70.09		9°21'09"	5°43'46.48"	1000.00	81.80	163.23	160981.67	517780.05	161143.44	517800.43	11°51'33" 2°30'24"
C106	520+51.52	520+93.68	520+72.64		8°03'04"	19°05'54.94"	300.00	21.11	42.15	161143.44	517800.43	161185.29	517805.22	2°30'24" 10°33'27"
L88	520+93.68	522+08.42							114.74	161185.29	517805.22	161298.08	517826.25	10°33'27"
C108	522+08.42	522+38.63	522+23.54		5°41'39"	18°50'50.27"	304.00	15.12	30.21	161298.08	517826.25	161328.01	517830.30	10°33'27" 4°51'49"
C107	522+38.63	522+68.84	522+53.75		5°41'39"	18°50'50.27"	304.00	15.12	30.21	161328.01	517830.30	161357.94	517834.35	4°51'49" 10°33'27"
L89	522+68.84	523+36.69							67.85	161357.94	517834.35	161424.64	517846.78	10°33'27"
C109	523+36.69	524+11.54	523+74.29		13°31'45"	18°04'27.76"	317.00	37.60	74.85	161424.64	517846.78	161499.15	517851.72	10°33'27" 357°01'42"
L87	524+11.54	529+11.59							500.05	161499.15	517851.72	161998.53	517825.80	357°01'42"

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

DESIGNED BY: CHECKED BY:
DRAWN BY: DATE:

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
TRAIL
ALIGNMENT TABULATIONS
SHEET 9

DISCIPLINE: CIVIL
SHEET NAME: E0-TRL-ALG - 009

ALIGNMENT DATA
TRAIL B

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L93	631+43.73	631+98.28							54.55	162284.59	517788.59	162336.41	517805.62	18°11'29"
C116	631+98.28	632+52.11	632+25.32		13°42'24"	25°27'53.25"	225.00	27.04	53.83	162336.41	517805.62	162389.06	517816.18	18°11'29" 4°29'05"
C120	632+52.11	632+87.30	632+69.70		2°04'04"	5°52'35.36"	975.00	17.60	35.19	162389.06	517816.18	162424.09	517819.56	4°29'05" 6°33'09"
L94	632+87.30	634+26.48							139.18	162424.09	517819.56	162562.36	517835.44	6°33'09"
C118	634+26.48	634+42.25	634+34.38		9°02'16"	57°17'44.81"	100.00	7.90	15.77	162562.36	517835.44	162577.82	517838.47	6°33'09" 15°35'26"
C117	634+42.25	634+91.20	634+66.73		2°50'39"	5°48'39.35"	986.00	24.48	48.95	162577.82	517838.47	162624.62	517852.79	15°35'26" 18°26'05"
C119	634+91.20	635+06.97	634+99.10		9°02'16"	57°17'44.81"	100.00	7.90	15.77	162624.62	517852.79	162639.13	517858.94	18°26'05" 27°28'22"
L92	635+06.97	640+18.34							511.37	162639.13	517858.94	163092.84	518094.84	27°28'22"
C115	640+18.34	640+73.09	640+45.72		1°35'18"	2°54'03.79"	1975.00	27.38	54.75	163092.84	518094.84	163141.05	518120.77	27°28'22" 29°03'39"
L91	640+73.09	645+04.09							431.00	163141.05	518120.77	163517.80	518330.12	29°03'39"
C114	645+04.09	645+46.01	645+25.05		1°00'15"	2°23'44.91"	2391.50	20.96	41.91	163517.80	518330.12	163554.25	518350.80	29°03'39" 30°03'54"
C112	645+46.01	646+02.07	645+74.22		15°54'04"	28°21'51.29"	202.00	28.21	56.06	163554.25	518350.80	163598.28	518385.22	30°03'54" 45°57'58"
C110	646+02.07	647+08.01	646+55.23		12°02'36"	11°22'05.56"	504.00	53.17	105.94	163598.28	518385.22	163679.35	518453.11	45°57'58" 33°55'22"
C111	647+08.01	649+36.92	648+22.55		5°31'55"	2°24'59.49"	2371.00	114.55	228.92	163679.35	518453.11	163862.85	518589.83	33°55'22" 39°27'17"
C113	649+36.92	650+38.70	649+88.29		19°10'55"	18°50'50.27"	304.00	51.37	101.78	163862.85	518589.83	163929.24	518666.34	39°27'17" 58°38'12"
C122	650+38.70	650+94.88	650+67.49		30°57'01"	55°05'31.54"	104.00	28.79	56.18	163929.24	518666.34	163969.73	518704.30	58°38'12" 27°41'11"
L95	650+94.88	651+38.06							43.18	163969.73	518704.30	164007.96	518724.36	27°41'11"
C124	651+38.06	652+75.23	652+07.83		25°51'14"	18°50'50.27"	304.00	69.78	137.18	164007.96	518724.36	164111.21	518812.90	27°41'11" 53°32'25"
C123	652+75.23	653+89.90	653+32.57		2°11'00"	1°54'14.93"	3009.00	57.34	114.66	164111.21	518812.90	164181.09	518903.80	53°32'25" 51°21'25"
L96	653+89.90	657+85.05							395.15	164181.09	518903.80	164427.85	519212.44	51°21'25"
C125	657+85.05	658+83.32	658+34.22		5°37'50"	5°43'46.48"	1000.00	49.17	98.27	164427.85	519212.44	164485.35	519292.08	51°21'25" 56°59'15"
L97	658+83.32	660+05.15							121.83	164485.35	519292.08	164551.73	519394.24	56°59'15"
C126	660+05.15	660+29.82	660+17.55		14°08'04"	57°17'44.81"	100.00	12.40	24.67	164551.73	519394.24	164562.49	519416.37	56°59'15" 71°07'19"
L98	660+29.82	661+81.45							151.63	164562.49	519416.37	164611.55	519559.84	71°07'19"
C127	661+81.45	662+63.07	662+22.49		15°05'07"	18°28'57.03"	310.00	41.05	81.62	164611.55	519559.84	164647.76	519632.72	71°07'19" 56°02'12"

ALIGNMENT DATA
TRAIL B

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L99	662+63.07	663+53.07							90.01	164647.76	519632.72	164698.05	519707.37	56°02'12"
C128	663+53.07	664+99.73	664+27.43		23°20'30"	15°54'55.78"	360.00	74.36	146.66	164698.05	519707.37	164753.30	519842.13	56°02'12" 79°22'42"
L100	664+99.73	665+44.20							44.47	164753.30	519842.13	164761.49	519885.85	79°22'42"
C129	665+44.20	666+96.46	666+21.14		20°14'27"	13°17'37.26"	431.00	76.93	152.26	164761.49	519885.85	164815.14	520027.50	79°22'42" 59°08'15"

ALIGNMENT DATA
TRAIL C

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L101	1+00.00	1+41.01							41.01	149406.42	498113.64	149442.82	498094.75	332°34'54"

ALIGNMENT DATA
TRAIL D

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L103	420+00.00	423+46.93							346.93	155707.13	511550.00	155856.37	511863.20	64°31'17"
C130	423+46.93	424+83.07	424+15.03		3°53'11"	2°51'17.27"	2007.00	68.09	136.13	155856.37	511863.20	155910.72	511987.98	64°31'17" 68°24'28"
L102	424+83.07	426+98.25							215.19	155910.72	511987.98	155989.91	512188.07	68°24'28"
C131	426+98.25	427+39.25	427+18.77		4°39'06"	11°20'44.52"	505.00	20.51	41.00	155989.91	512188.07	156003.43	512226.76	68°24'28" 73°03'34"
L104	427+39.25	430+66.82							327.56	156003.43	512226.76	156098.88	512540.11	73°03'34"
C132	430+66.82	431+13.54	430+90.18		1°20'07"	2°51'27.52"	2005.00	23.36	46.72	156098.88	512540.11	156113.01	512584.64	73°03'34" 71°43'27"
L105	431+13.54	432+54.33							140.79	156113.01	512584.64	156157.16	512718.33	71°43'27"
C134	432+54.33	433+26.85	432+90.62		5°42'11"	7°51'53.63"	728.50	36.29	72.51	156157.16	512718.33	156176.44	512788.21	71°43'27" 77°25'38"
C133	433+26.85	436+41.97	434+84.58		6°32'39"	2°04'36.07"	2759.00	157.73	315.12	156176.44	512788.21	156227.34	513099.01	77°25'38" 83°58'17"
C135	436+41.97	436+66.33	436+54.16		6°04'12"	24°54'40.35"	230.00	12.19	24.37	156227.34	513099.01	156231.18	513123.07	83°58'17" 77°54'05"
L106	436+66.33	438+18.46							152.13	156231.18	513123.07	156263.06	513271.82	77°54'05"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

DESIGNED BY: CHECKED BY:
DRAWN BY: DATE:

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
TRAIL
ALIGNMENT TABULATIONS
SHEET 11

DISCIPLINE: CIVIL

SHEET NAME: E0-TRL-ALG - 011

ALIGNMENT DATA
TRAIL E

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L107	480+00.00	480+23.93							23.93	157737.59	515923.81	157756.44	515909.07	321°58'51"
C137	480+23.93	480+58.54	480+44.07		73°26'14"	212°12'23.73"	27.00	20.14	34.61	157756.44	515909.07	157788.72	515908.34	321°58'51" 35°25'05"
C138	480+58.54	482+55.94	481+57.35		6°45'37"	3°25'28.74"	1673.04	98.82	197.40	157788.72	515908.34	157955.96	516013.00	35°25'05" 28°39'27"
C139	482+55.94	483+21.56	482+88.80		7°31'11"	11°27'32.96"	500.00	32.86	65.62	157955.96	516013.00	158015.44	516040.60	28°39'27" 21°08'16"
L108	483+21.56	483+69.59							48.03	158015.44	516040.60	158060.23	516057.92	21°08'16"
C140	483+69.59	484+09.18	483+89.39		2°16'07"	5°43'46.48"	1000.00	19.80	39.59	158060.23	516057.92	158096.87	516072.93	21°08'16" 23°24'23"

ALIGNMENT DATA
TRAIL F

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
C143	490+24.14	490+86.19	490+55.20		7°06'37"	11°27'32.96"	500.00	31.06	62.05	158652.35	516297.42	158707.66	516325.46	23°19'30" 30°26'07"
L111	490+86.19	491+34.38							48.19	158707.66	516325.46	158749.21	516349.87	30°26'07"
C144	491+34.38	491+77.14	491+55.76		2°27'00"	5°43'46.48"	1000.00	21.38	42.76	158749.21	516349.87	158786.53	516370.74	30°26'07" 27°59'07"
C141	491+77.14	494+93.80	493+35.85		9°40'56"	3°03'27.36"	1873.88	158.71	316.66	158786.53	516370.74	159052.31	516542.19	27°59'07" 37°40'03"
L109	494+93.80	495+54.90							61.10	159052.31	516542.19	159100.68	516579.53	37°40'03"
C142	495+54.90	495+99.52	495+77.28		11°21'39"	25°27'53.25"	225.00	22.38	44.61	159100.68	516579.53	159138.46	516603.12	37°40'03" 26°18'24"
L110	495+99.52	496+48.21							48.69	159138.46	516603.12	159182.10	516624.70	26°18'24"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

DESIGNED BY: CHECKED BY:
DRAWN BY: DATE:

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
TRAIL
ALIGNMENT TABULATIONS
SHEET 12

DISCIPLINE: CIVIL

SHEET NAME: E0-TRL-ALG - 012

SHEET 118 OF 199

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ALIGNMENT DATA
TRAIL G

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
C145	552+00.00	552+73.27	552+36.97		18°44'32"	25°34'42.50"	224.00	36.97	73.27	163565.27	518331.76	163621.61	518378.10	30°03'54" 48°48'27"
C147	552+73.27	553+32.22	553+02.93		15°38'14"	26°31'32.97"	216.00	29.66	58.95	163621.61	518378.10	163665.97	518416.65	48°48'27" 33°10'13"
C146	553+32.22	556+60.84	554+96.79		7°51'53"	2°23'35.91"	2394.00	164.57	328.62	163665.97	518416.65	163927.86	518614.73	33°10'13" 41°02'06"
L113	556+60.84	558+44.56							183.72	163927.86	518614.73	164066.44	518735.35	41°02'06"
C148	558+44.56	558+91.56	558+68.11		8°58'31"	19°05'54.94"	300.00	23.55	46.99	164066.44	518735.35	164099.33	518768.84	41°02'06" 50°00'37"
L112	558+91.56	562+77.55							385.99	164099.33	518768.84	164347.39	519064.58	50°00'37"
C149	562+77.55	563+04.67	562+91.12		5°10'47"	19°05'54.94"	300.00	13.57	27.12	164347.39	519064.58	164363.86	519086.12	50°00'37" 55°11'24"
L114	563+04.67	567+32.52							427.85	164363.86	519086.12	164608.10	519437.40	55°11'24"
C150	567+32.52	568+01.16	567+66.99		13°06'36"	19°05'54.94"	300.00	34.47	68.64	164608.10	519437.40	164640.52	519497.73	55°11'24" 68°18'00"
L115	568+01.16	571+84.30							383.14	164640.52	519497.73	164782.19	519853.72	68°18'00"
C151	571+84.30	572+40.75	572+12.55		5°46'33"	10°13'53.00"	560.00	28.25	56.45	164782.19	519853.72	164805.67	519905.03	68°18'00" 62°31'27"

ALIGNMENT DATA
TRAIL H

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L119	769+05.69	769+11.38							5.69	164904.06	520176.30	164899.17	520179.22	149°08'15"
C153	769+11.38	769+30.38	769+23.04		83°44'00"	440°44'12.36"	13.00	11.65	19.00	164899.17	520179.22	164894.02	520195.79	149°08'15" 65°24'16"
L117	769+30.38	769+98.24							67.86	164894.02	520195.79	164922.27	520257.49	65°24'16"
C152	769+98.24	770+31.10	770+14.70		8°22'05"	25°27'53.25"	225.00	16.46	32.86	164922.27	520257.49	164933.72	520288.26	65°24'16" 73°46'21"
L118	770+31.10	771+49.22							118.12	164933.72	520288.26	164966.73	520401.67	73°46'21"
C154	771+49.22	772+54.87	772+02.73		22°25'08"	21°13'14.37"	270.00	53.51	105.65	164966.73	520401.67	164975.91	520506.25	73°46'21" 96°11'29"
L120	772+54.87	773+75.37							120.50	164975.91	520506.25	164962.91	520626.04	96°11'29"
C155	773+75.37	774+75.74	774+27.38		37°06'03"	36°57'54.07"	155.00	52.01	100.37	164962.91	520626.04	164921.63	520715.61	96°11'29" 133°17'32"
L121	774+75.74	775+23.18							47.44	164921.63	520715.61	164889.10	520750.15	133°17'32"

ALIGNMENT DATA
TRAIL J

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L122	450+00.00	450+61.49							61.49	164359.53	518741.21	164386.58	518796.43	63°53'55"
C156	450+61.49	450+88.72	450+75.11		1°33'38"	5°43'46.48"	1000.00	13.62	27.24	164386.58	518796.43	164398.89	518820.72	63°53'55" 62°20'17"

ALIGNMENT DATA
TRAIL J

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L122	450+00.00	450+61.49							61.49	164359.53	518741.21	164386.58	518796.43	63°53'55"
C156	450+61.49	450+88.72	450+75.11		1°33'38"	5°43'46.48"	1000.00	13.62	27.24	164386.58	518796.43	164398.89	518820.72	63°53'55" 62°20'17"

ALIGNMENT DATA
TRAIL K

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L124	350+00.00	350+24.92							24.92	164332.45	518769.97	164346.33	518790.67	56°08'35"
C157	350+24.92	350+51.59	350+38.26		1°31'40"	5°43'46.48"	1000.00	13.33	26.66	164346.33	518790.67	164361.48	518812.61	56°08'35" 54°36'56"
L125	350+51.59	351+26.21							74.62	164361.48	518812.61	164404.69	518873.45	54°36'56"

ALIGNMENT DATA
TRAIL L

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
C159	675+17.57	675+33.84	675+25.71		4°34'13"	28°05'10.20"	204.00	8.14	16.27	165139.46	520778.77	165145.33	520793.95	66°34'19" 71°08'32"
L126	675+33.84	676+22.27							88.44	165145.33	520793.95	165173.91	520877.64	71°08'32"
C158	676+22.27	676+52.60	676+37.47		8°51'59"	29°13'57.15"	196.00	15.20	30.33	165173.91	520877.64	165185.89	520905.47	71°08'32" 62°16'34"
C160	676+52.60	677+79.62	677+17.08		24°15'27"	19°05'54.94"	300.00	64.47	127.01	165185.89	520905.47	165219.78	521026.89	62°16'34" 86°32'01"
L127	677+79.62	678+08.03							28.41	165219.78	521026.89	165221.50	521055.25	86°32'01"
C161	678+08.03	678+86.09	678+47.22		12°41'47"	16°15'49.90"	352.29	39.19	78.07	165221.50	521055.25	165234.78	521132.02	86°32'01" 73°50'14"

ALIGNMENT DATA
TRAIL N

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L128	1+00.00	1+41.00							41.00	151138.42	501728.60	151175.39	501710.88	334°24'00"

ALIGNMENT DATA
TRAIL O

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
C162	1+00.00	1+42.34	1+21.47		23°19'39"	55°05'31.54"	104.00	21.47	42.34	151694.07	502883.70	151719.53	502917.17	64°24'00" 41°04'21"
L130	1+42.34	1+48.24							5.89	151719.53	502917.17	151723.97	502921.04	41°04'21"
C163	1+48.24	1+93.33	1+71.17		25°50'16"	57°17'44.81"	100.00	22.94	45.10	151723.97	502921.04	151750.26	502957.21	41°04'21" 66°54'37"
L129	1+93.33	1+98.61							5.28	151750.26	502957.21	151752.33	502962.07	66°54'37"

ALIGNMENT DATA
TRAIL P

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L131	1+00.00	2+01.42							101.42	152384.59	504278.92	152407.65	504377.68	76°51'24"

ALIGNMENT DATA
TRAIL Q

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L132	1+00.00	1+08.01							8.01	154858.04	509462.45	154865.22	509458.92	333°48'03"
C164	1+08.01	1+38.18	1+26.01		78°34'35"	260°26'07.30"	22.00	18.00	30.17	154865.22	509458.92	154892.36	509465.22	333°48'03" 52°22'38"
L133	1+38.18	1+52.04							13.86	154892.36	509465.22	154900.82	509476.21	52°22'38"

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

DESIGNED BY: CHECKED BY:
DRAWN BY: DATE:

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
TRAIL
ALIGNMENT TABULATIONS
SHEET 15

DISCIPLINE: CIVIL

SHEET NAME: E0-TRL-ALG - 015

ALIGNMENT DATA
TRAIL R

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L154	7+95.18	7+96.22							1.05	166638.81	522567.03	166637.96	522566.42	215°23'51"
C182	7+96.22	8+87.71	8+42.78		26°12'33"	28°38'52.40"	200.00	46.56	91.49	166637.96	522566.42	166554.05	522532.02	215°23'51" 189°11'18"
L153	8+87.71	8+94.50							6.79	166554.05	522532.02	166547.34	522530.93	189°11'18"
C165	8+94.50	10+24.11	9+64.79		55°00'26"	42°26'28.75"	135.00	70.29	129.61	166547.34	522530.93	166428.97	522570.12	189°11'18" 134°10'53"
L134	10+24.11	10+30.62							6.51	166428.97	522570.12	166424.43	522574.78	134°10'53"
C172	10+30.62	12+10.61	11+31.48		64°27'13"	35°48'35.50"	160.00	100.86	179.99	166424.43	522574.78	166389.09	522741.73	134°10'53" 69°43'40"
L142	12+10.61	12+40.15							29.54	166389.09	522741.73	166399.32	522769.44	69°43'40"
L135	12+40.15	12+95.00							54.85	166399.32	522769.44	166433.21	522812.56	51°50'02"
C166	12+95.00	13+22.89	13+08.94		1°35'54"	5°43'46.48"	1000.00	13.95	27.90	166433.21	522812.56	166450.14	522834.73	51°50'02" 53°25'56"
L136	13+22.89	13+33.87							10.98	166450.14	522834.73	166456.69	522843.55	53°25'56"
C170	13+33.87	15+75.35	14+56.59		25°09'19"	10°25'02.69"	550.00	122.71	241.47	166456.69	522843.55	166637.87	523000.25	53°25'56" 28°16'37"
L141	15+75.35	15+96.34							20.99	166637.87	523000.25	166656.35	523010.19	28°16'37"
C171	15+96.34	17+10.81	16+54.09		18°44'24"	16°22'12.80"	350.00	57.75	114.48	166656.35	523010.19	166746.59	523079.80	28°16'37" 47°01'01"
L137	17+10.81	17+80.99							70.17	166746.59	523079.80	166794.43	523131.14	47°01'01"
C167	17+80.99	18+45.73	18+13.41		7°34'14"	11°41'34.86"	490.00	32.42	64.74	166794.43	523131.14	166835.32	523181.28	47°01'01" 54°35'15"
L138	18+45.73	20+31.49							185.76	166835.32	523181.28	166942.96	523332.67	54°35'15"
C168	20+31.49	20+72.40	20+51.95		2°19'15"	5°40'22.26"	1010.00	20.46	40.91	166942.96	523332.67	166967.34	523365.52	54°35'15" 52°16'00"
L139	20+72.40	20+98.16							25.75	166967.34	523365.52	166983.10	523385.89	52°16'00"

ALIGNMENT DATA
TRAIL T

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L143	10+00.00	10+12.27							12.27	166457.35	522844.44	166467.19	522837.11	323°19'01"
C173	10+12.27	11+79.08	11+09.42		73°35'54"	44°07'15.31"	129.86	97.15	166.81	166467.19	522837.11	166622.77	522837.43	323°19'01" 36°54'55"
C174	11+79.08	12+81.67	12+32.28		37°25'40"	36°29'05.73"	157.04	53.20	102.58	166622.77	522837.43	166718.49	522868.90	36°54'55" 359°29'15"

ALIGNMENT DATA
TRAIL U

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L146	10+00.00	10+14.14							14.14	159219.58	516532.21	159225.40	516545.10	65°42'54"
C175	10+14.14	10+23.88	10+19.05		18°00'19"	184°49'30.34"	31.00	4.91	9.74	159225.40	516545.10	159227.95	516554.46	65°42'54" 83°43'12"
L145	10+23.88	10+66.83							42.94	159227.95	516554.46	159232.65	516597.14	83°43'12"
C176	10+66.83	10+75.00	10+71.16		46°49'02"	572°57'28.06"	10.00	4.33	8.17	159232.65	516597.14	159236.59	516604.05	83°43'12" 36°54'11"
L147	10+75.00	11+05.88							30.88	159236.59	516604.05	159261.28	516622.59	36°54'11"
C177	11+05.88	11+24.72	11+17.87		89°57'21"	477°27'53.39"	12.00	11.99	18.84	159261.28	516622.59	159263.68	516639.38	36°54'11" 126°51'32"
L148	11+24.72	11+48.57							23.85	159263.68	516639.38	159249.37	516658.47	126°51'32"
C178	11+48.57	11+55.65	11+52.36		50°39'47"	716°11'50.08"	8.00	3.79	7.07	159249.37	516658.47	159248.00	516665.18	126°51'32" 76°11'44"
L149	11+55.65	12+13.01							57.36	159248.00	516665.18	159261.68	516720.88	76°11'44"

ALIGNMENT DATA
TRAIL V

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L150	5+00.00	5+17.53							17.53	166379.65	521977.66	166393.32	521988.63	38°45'26"
C180	5+17.53	5+50.12	5+33.84		5°26'09"	16°40'46.32"	343.51	16.31	32.59	166393.32	521988.63	166419.67	522007.80	38°45'26" 33°19'17"
C179	5+50.12	5+56.78	5+53.46		7°37'55"	114°35'29.61"	50.00	3.33	6.66	166419.67	522007.80	166425.46	522011.08	33°19'17" 25°41'23"
L151	5+56.78	5+98.38							41.60	166425.46	522011.08	166462.94	522029.11	25°41'23"

ALIGNMENT DATA
TRAIL W

SEGMENT NUMBER	BEGINNING STATION	ENDING STATION	PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
C181	5+00.00	5+11.39	5+05.76		21°02'54"	184°49'30.34"	31.00	5.76	11.39	166583.99	521882.38	166588.09	521892.94	79°16'21" 58°13'26"
L152	5+11.39	5+34.31							22.92	166588.09	521892.94	166600.16	521912.42	58°13'26"

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DRAWN BY: DATE:

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

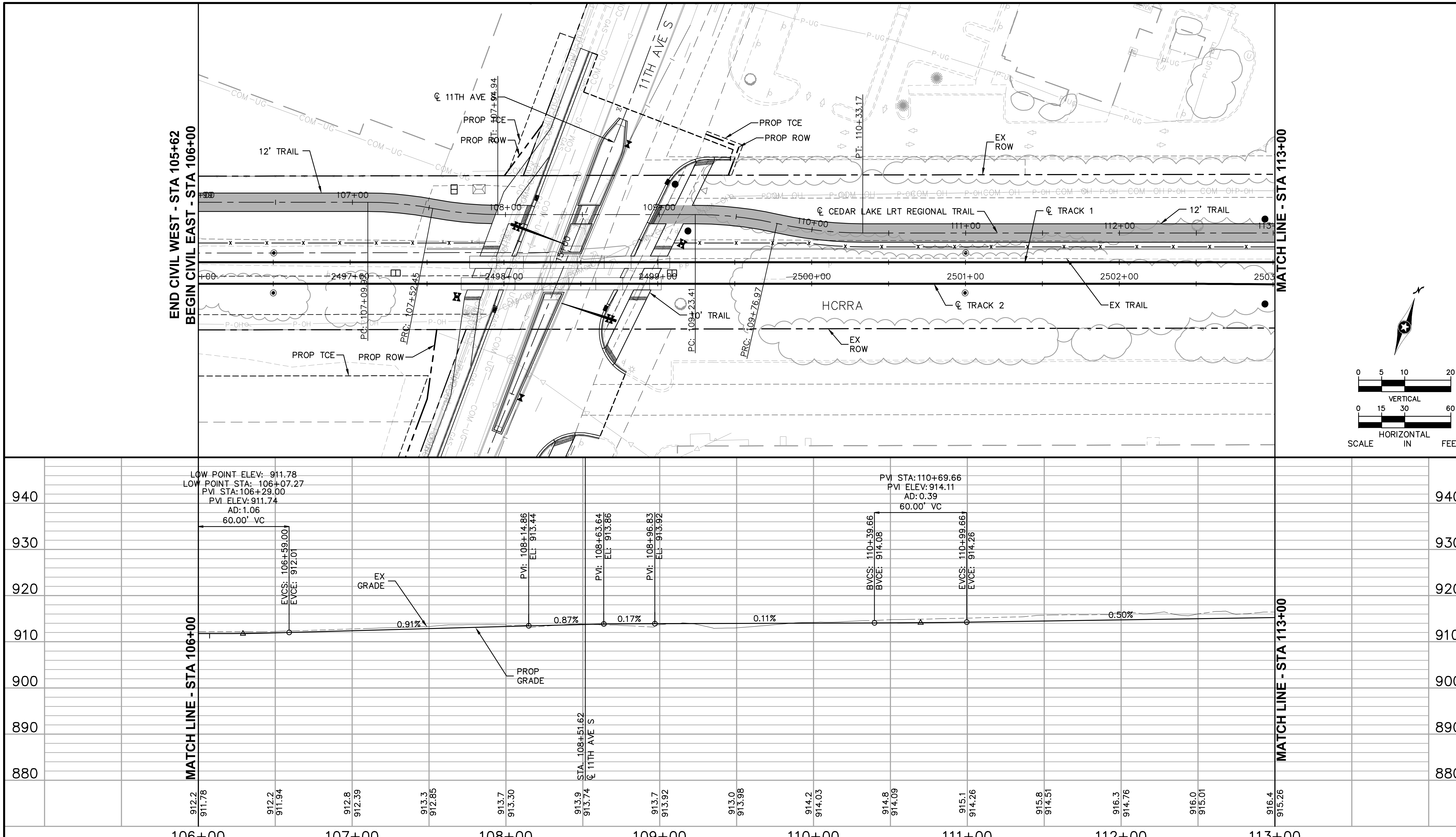
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
TRAIL
ALIGNMENT TABULATIONS
SHEET 17

DISCIPLINE: CIVIL

SHEET NAME: E0-TRL-ALG - 017



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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 106+00 TO STA 113+00

DISCIPLINE: TRAIL

SHEET NAME: E1-TRL-PRF - 001

SHEET 124 OF 199

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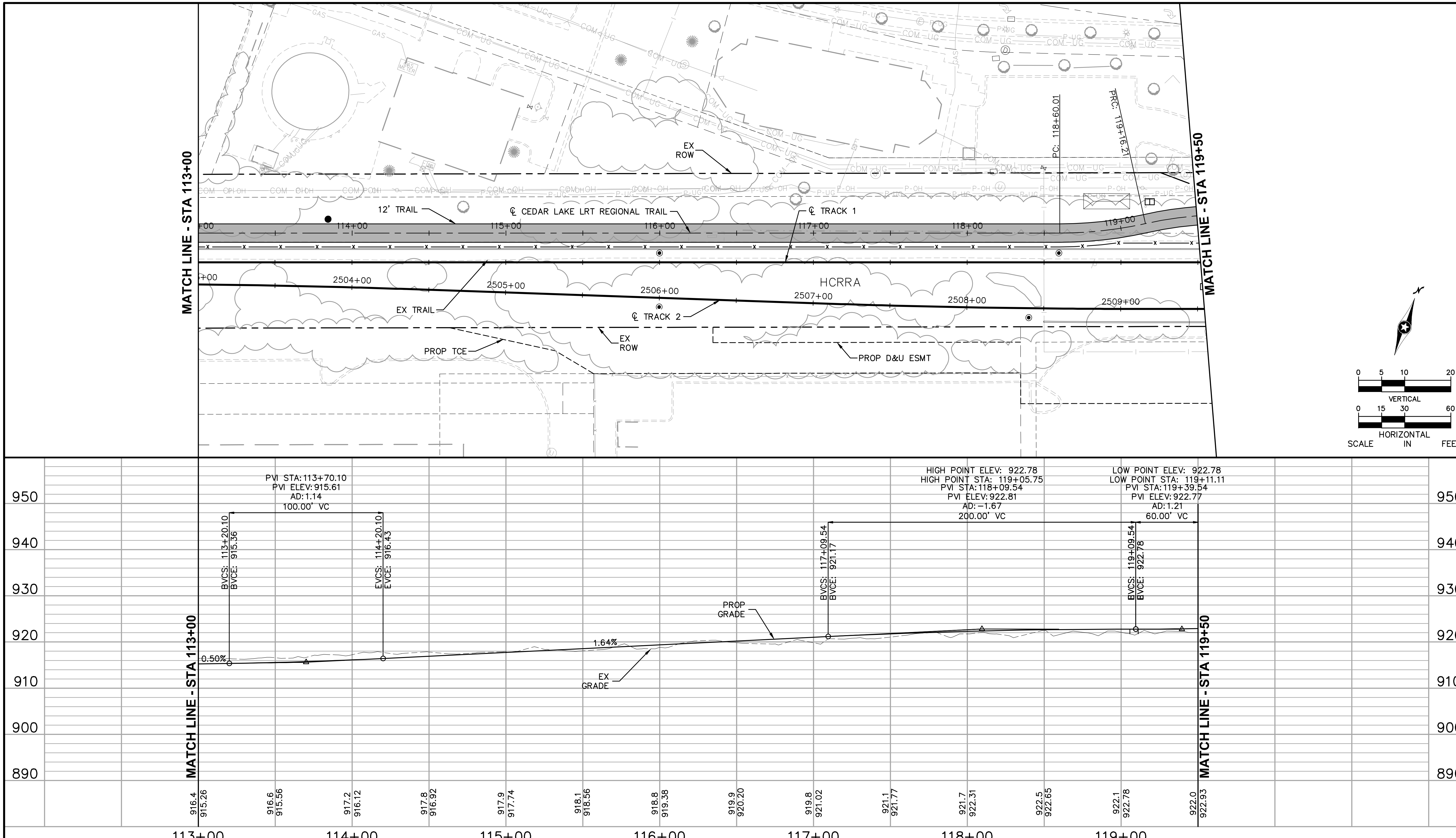

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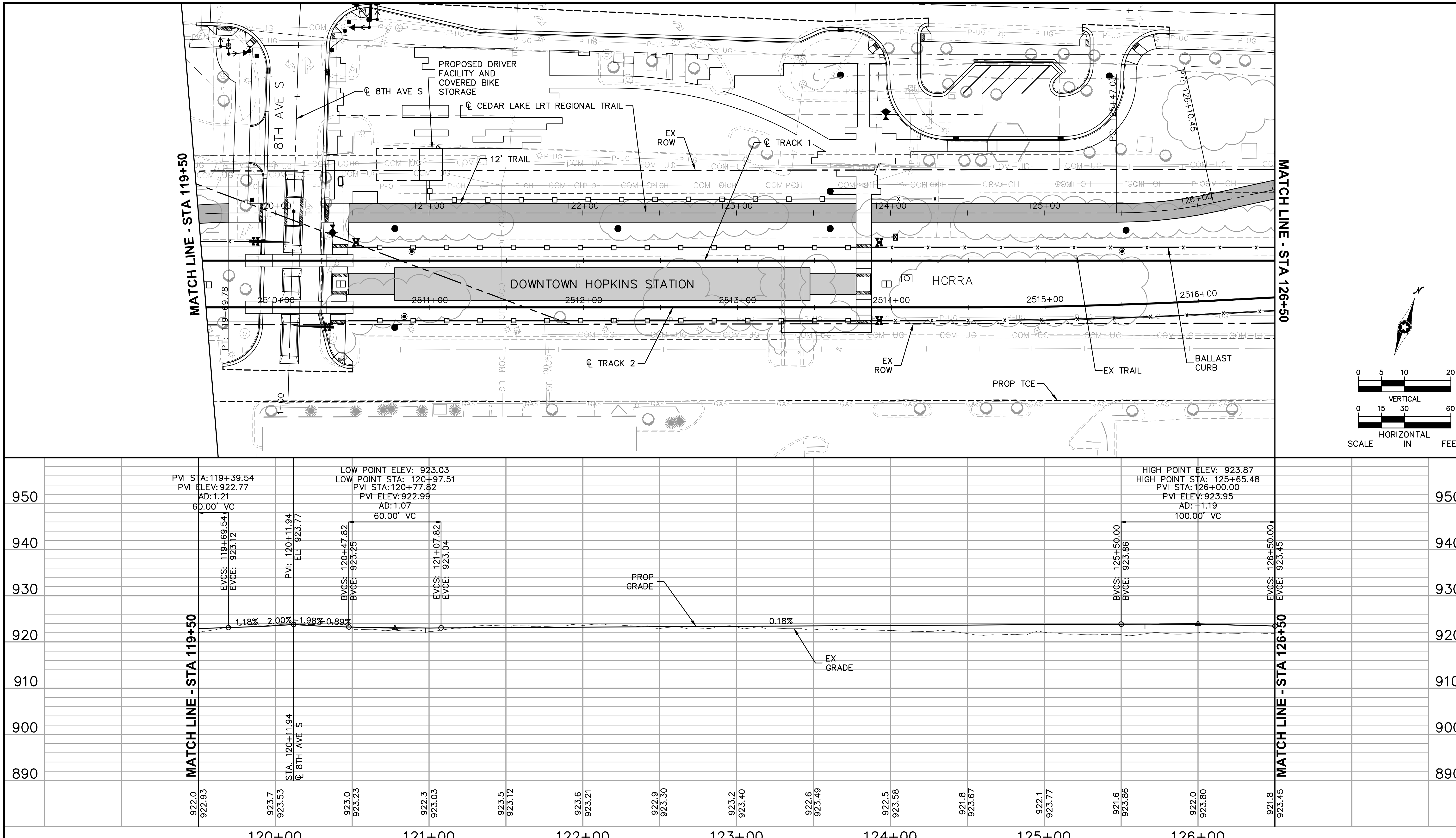
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 113+00 TO STA 119+50

DISCIPLINE: CIVIL

SHEET NAME: E1-TRL-PRF - 002



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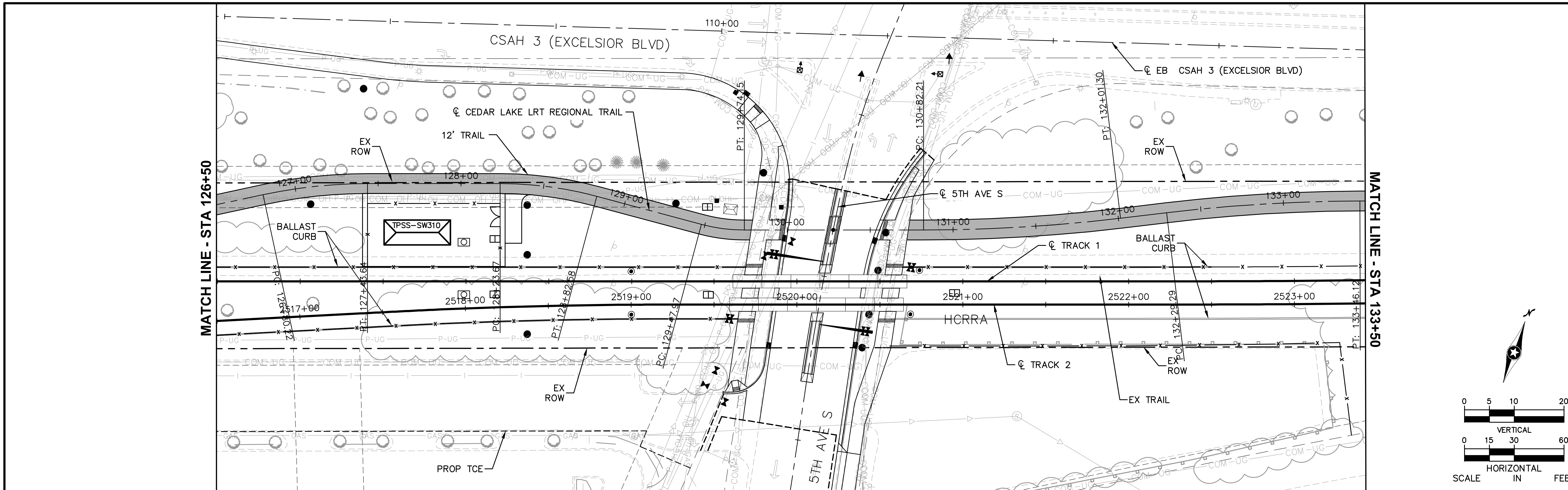
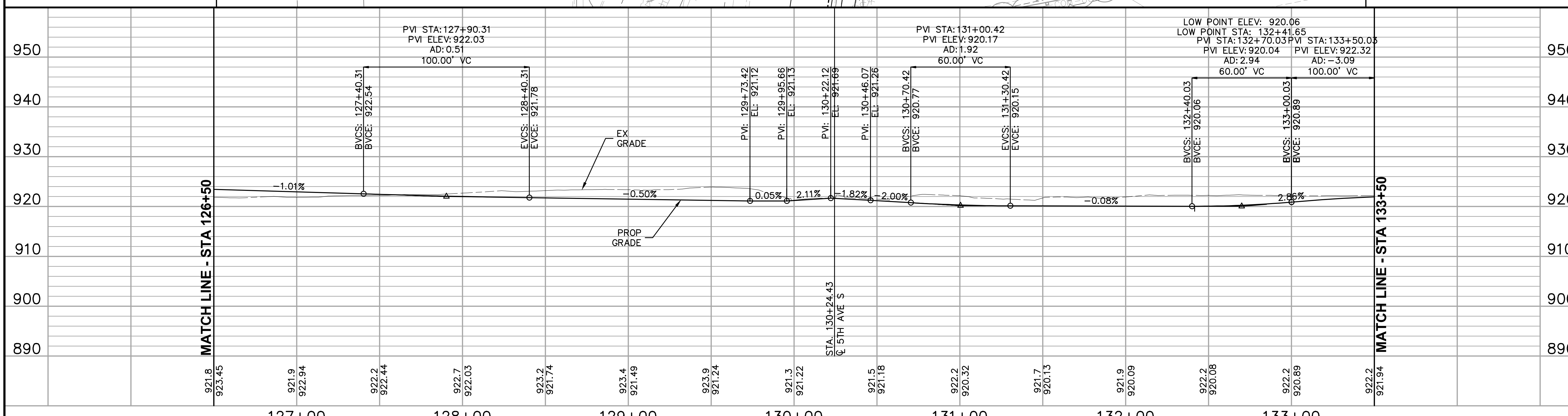
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 119+50 TO STA 126+50

DISCIPLINE: CIVIL

SHEET NAME: E1-TRL-PRF - 003





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METROPOLITAN COUNCIL

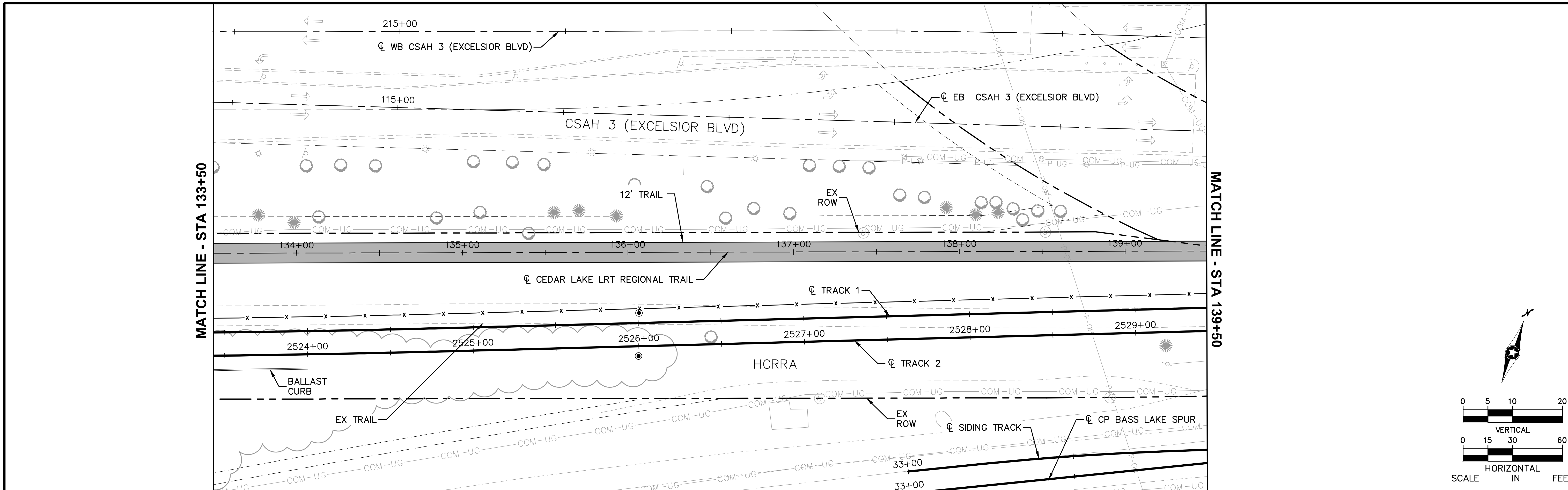
SOUTHWEST Green Line LRT Extension

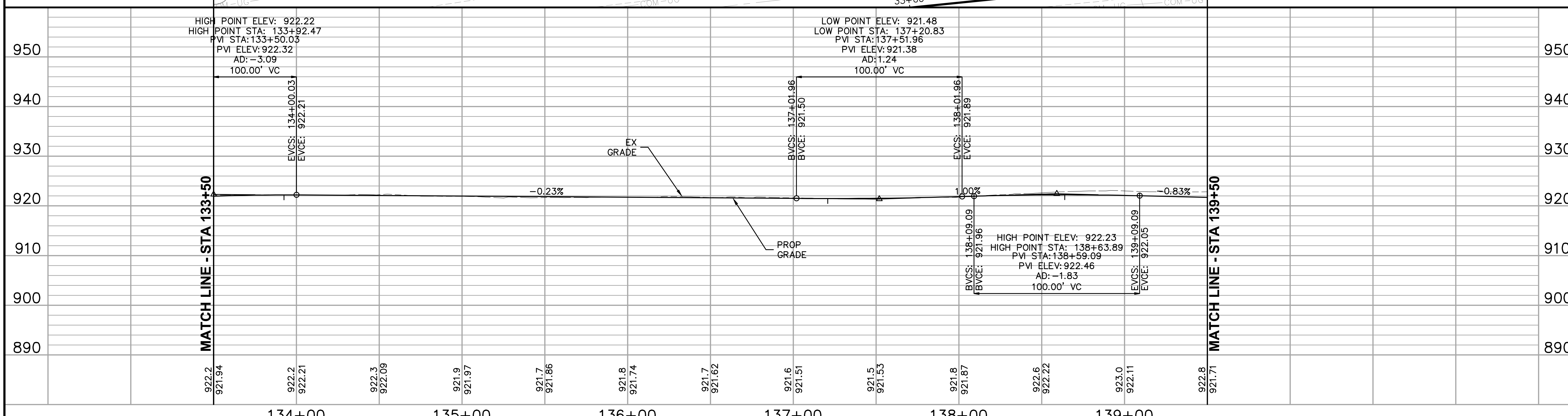
CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 126+50 TO STA 133+50

DISCIPLINE: CIVIL

SHEET NAME: E1-TRL-PRF - 004

SHEET 127 OF 199





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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 133+50 TO STA 139+50

DISCIPLINE: CIVIL

SHEET NAME: E1-TRL-PRF - 005

SHEET 128 OF 199

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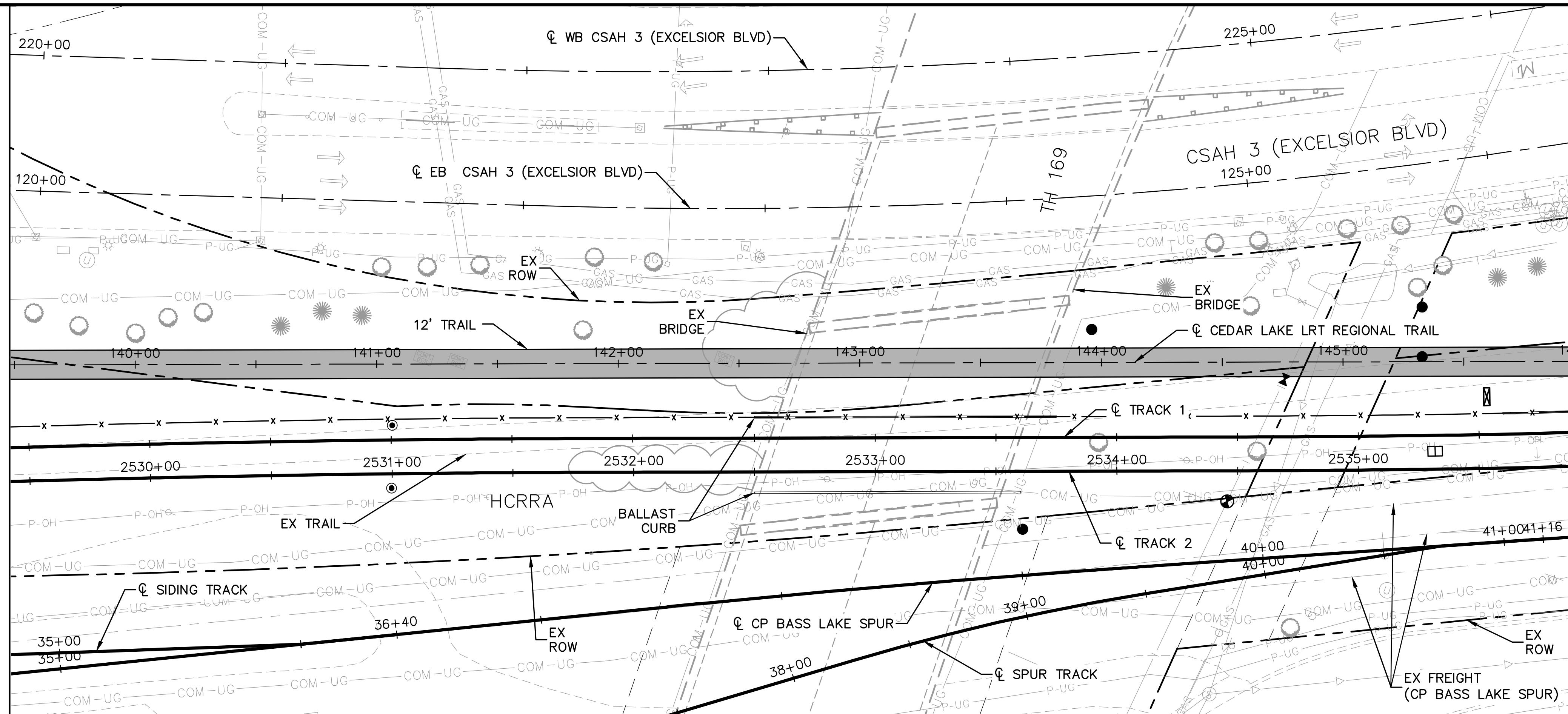

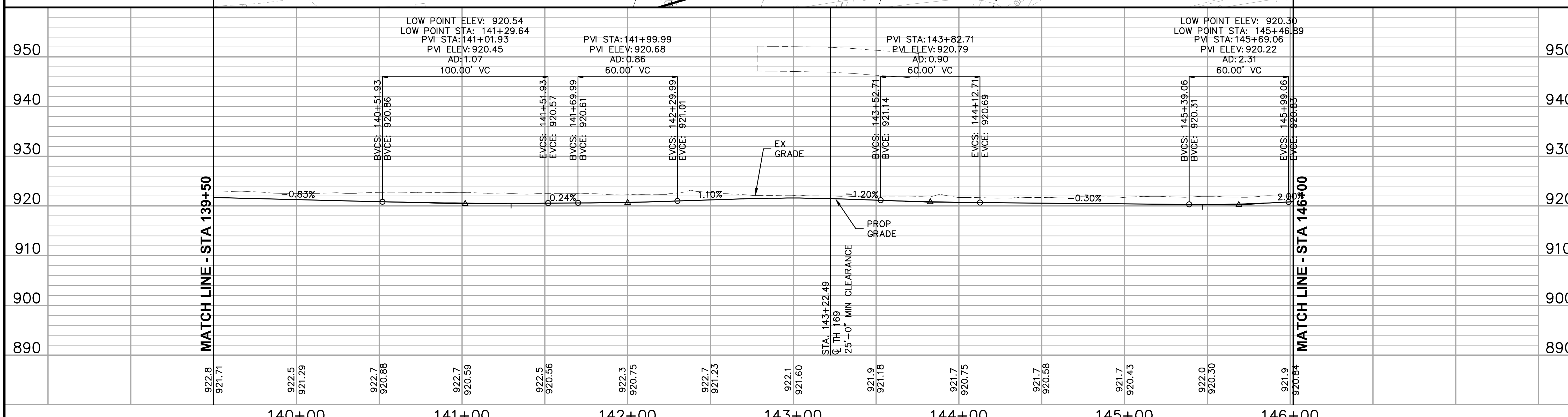

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METROPOLITAN COUNCIL

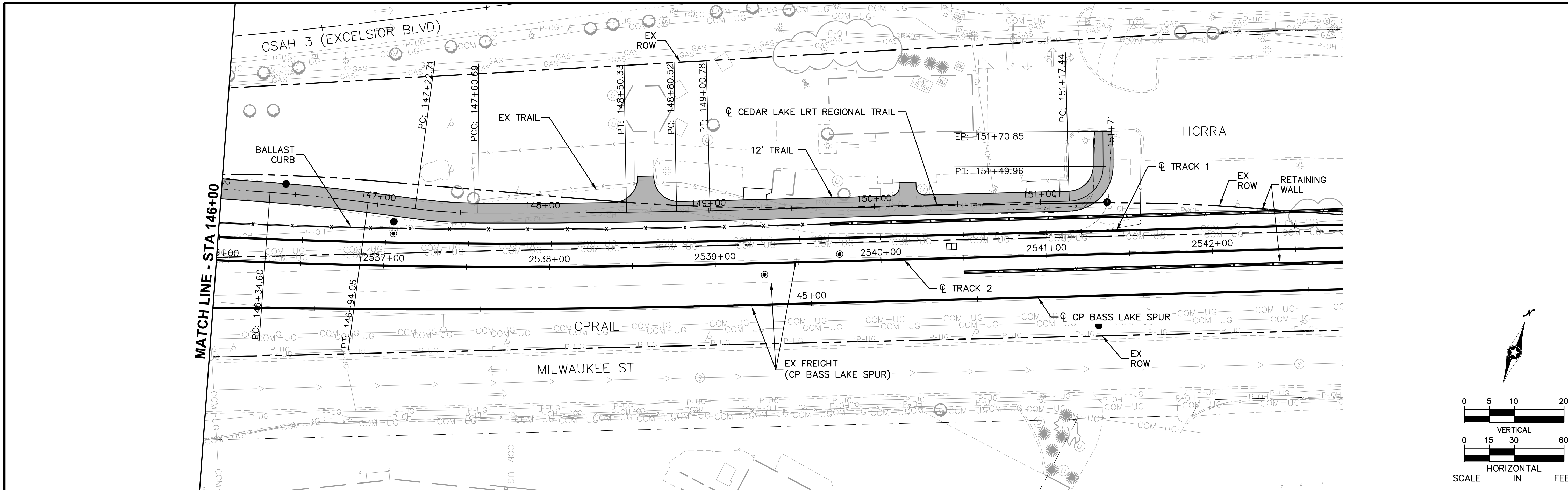
SOUTHWEST Green Line LRT Extension

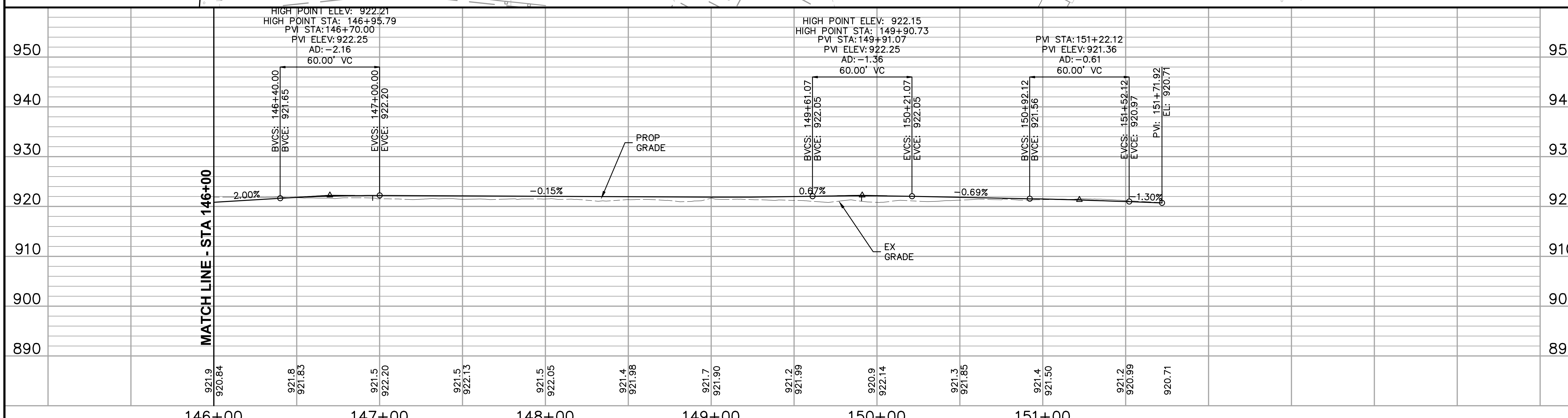
CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 139+50 TO STA 146+00

DISCIPLINE: CIVIL

SHEET NAME: E1-TRL-PRF - 006

SHEET 129 OF 199





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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 146+00 TO STA 151+72

DISCIPLINE: CIVIL

SHEET NAME: E1-TRL-PRF - 007

SHEET 130 OF 199

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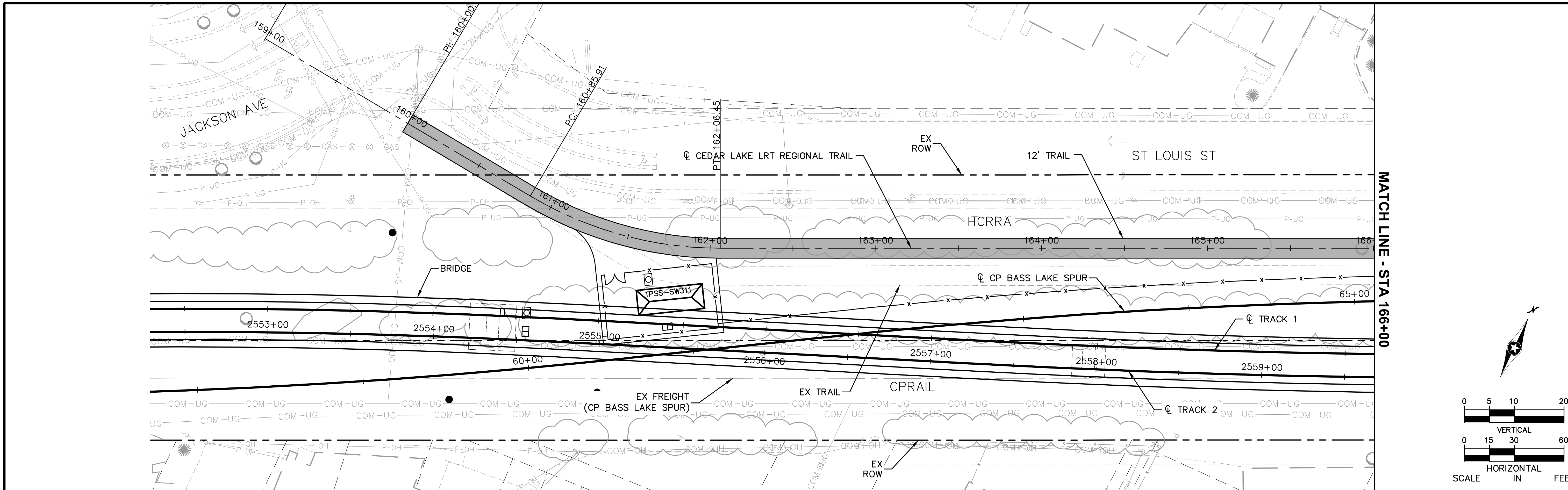

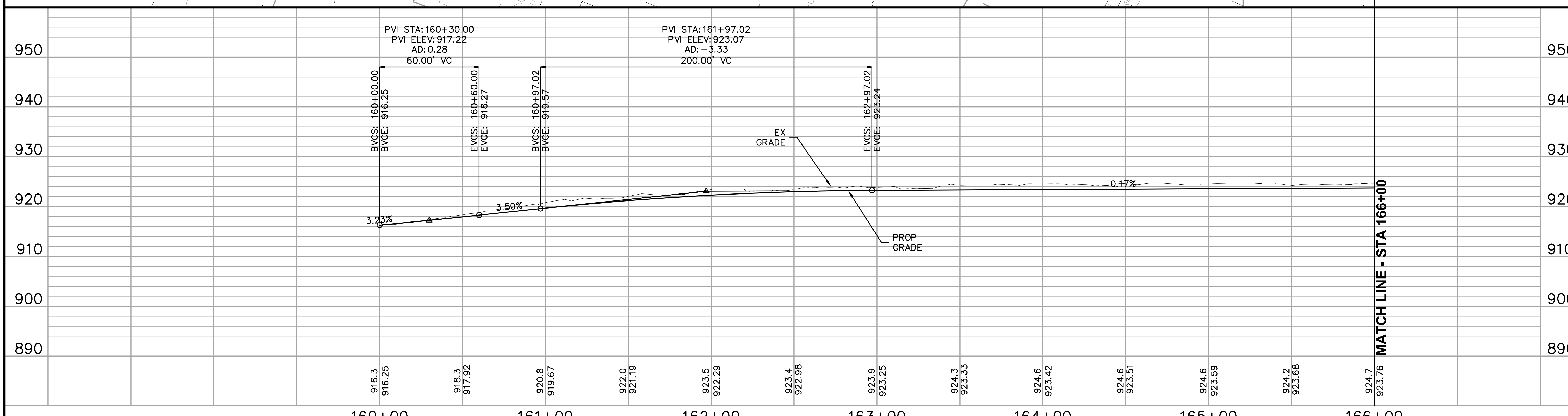

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 160+00 TO STA 166+00

DISCIPLINE: CIVIL

SHEET NAME: E1-TRL-PRF - 008

SHEET 131 OF 199

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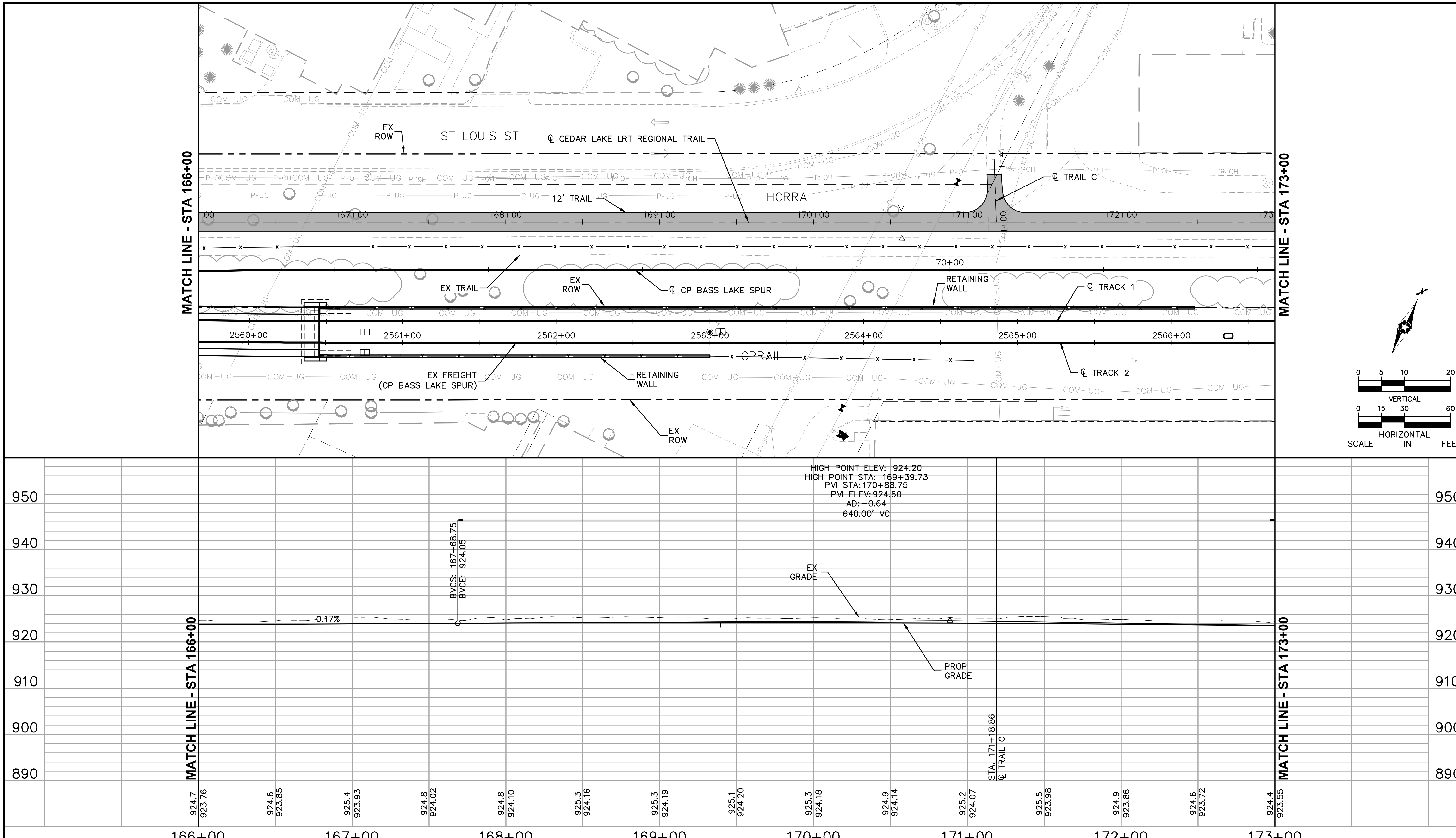

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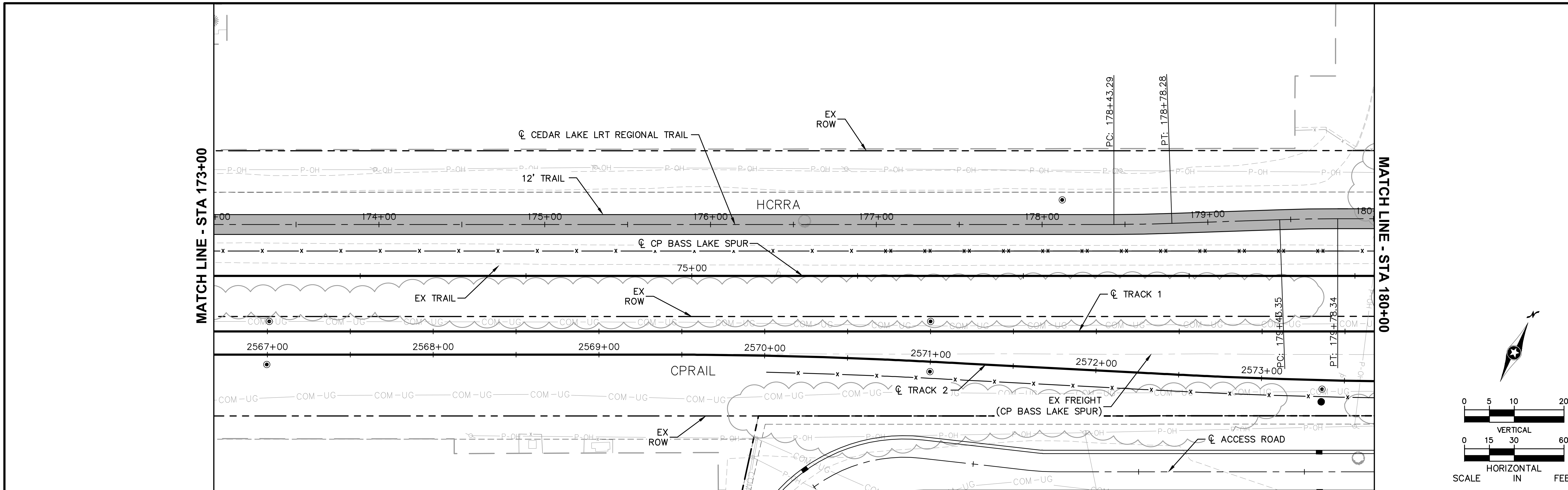
METROPOLITAN COUNCIL

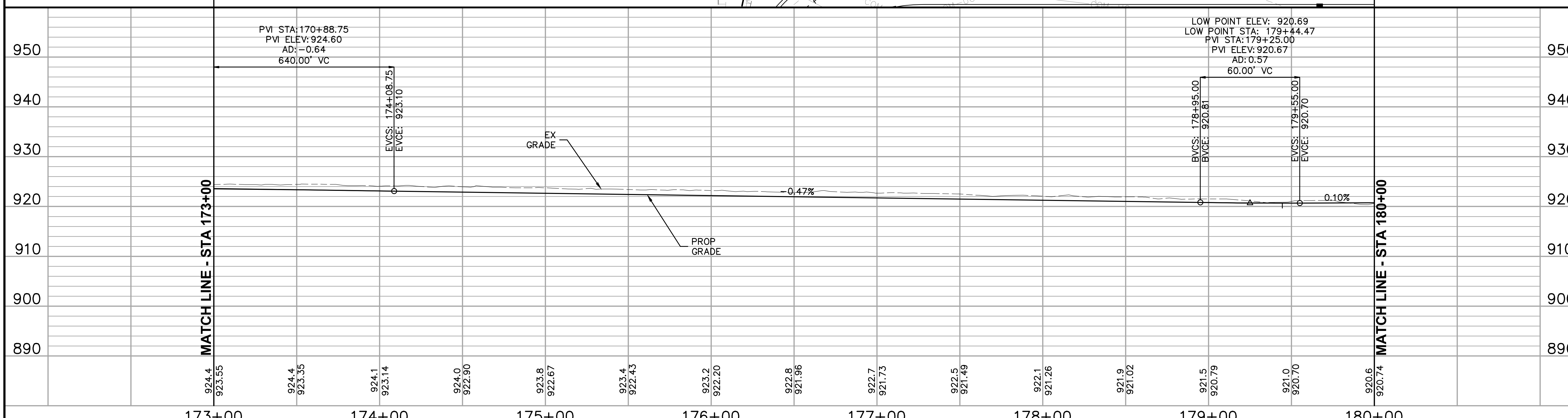
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 166+00 TO STA 173+00

DISCIPLINE: CIVIL

SHEET NAME: E1-TRL-PRF - 009





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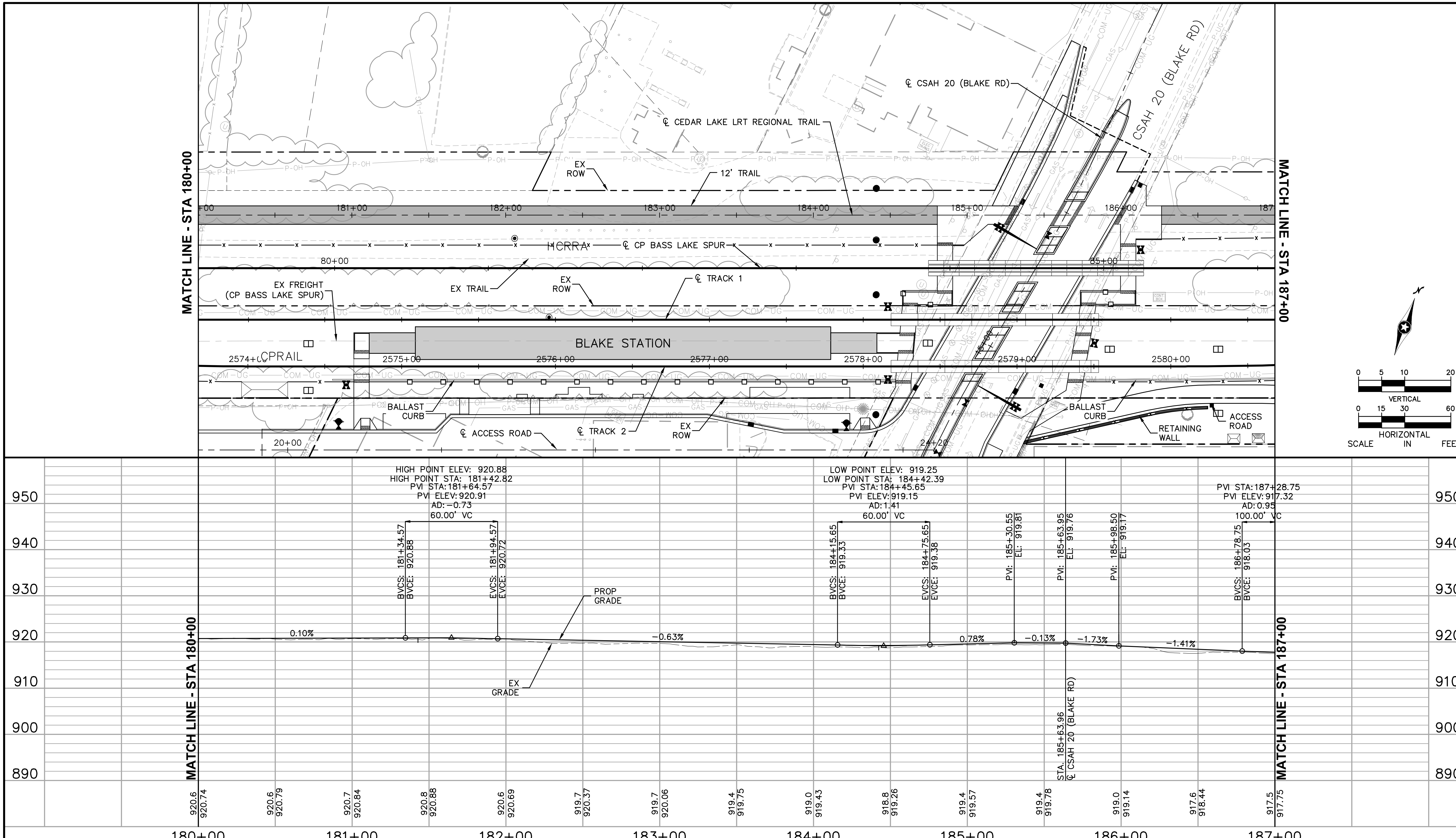
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 173+00 TO STA 180+00

DISCIPLINE: CIVIL

SHEET NAME: E1-TRL-PRF - 010



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SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 180+00 TO STA 187+00

DISCIPLINE: CIVIL

SHEET NAME: E1-TRL-PRF - 011

SHEET 134 OF 199

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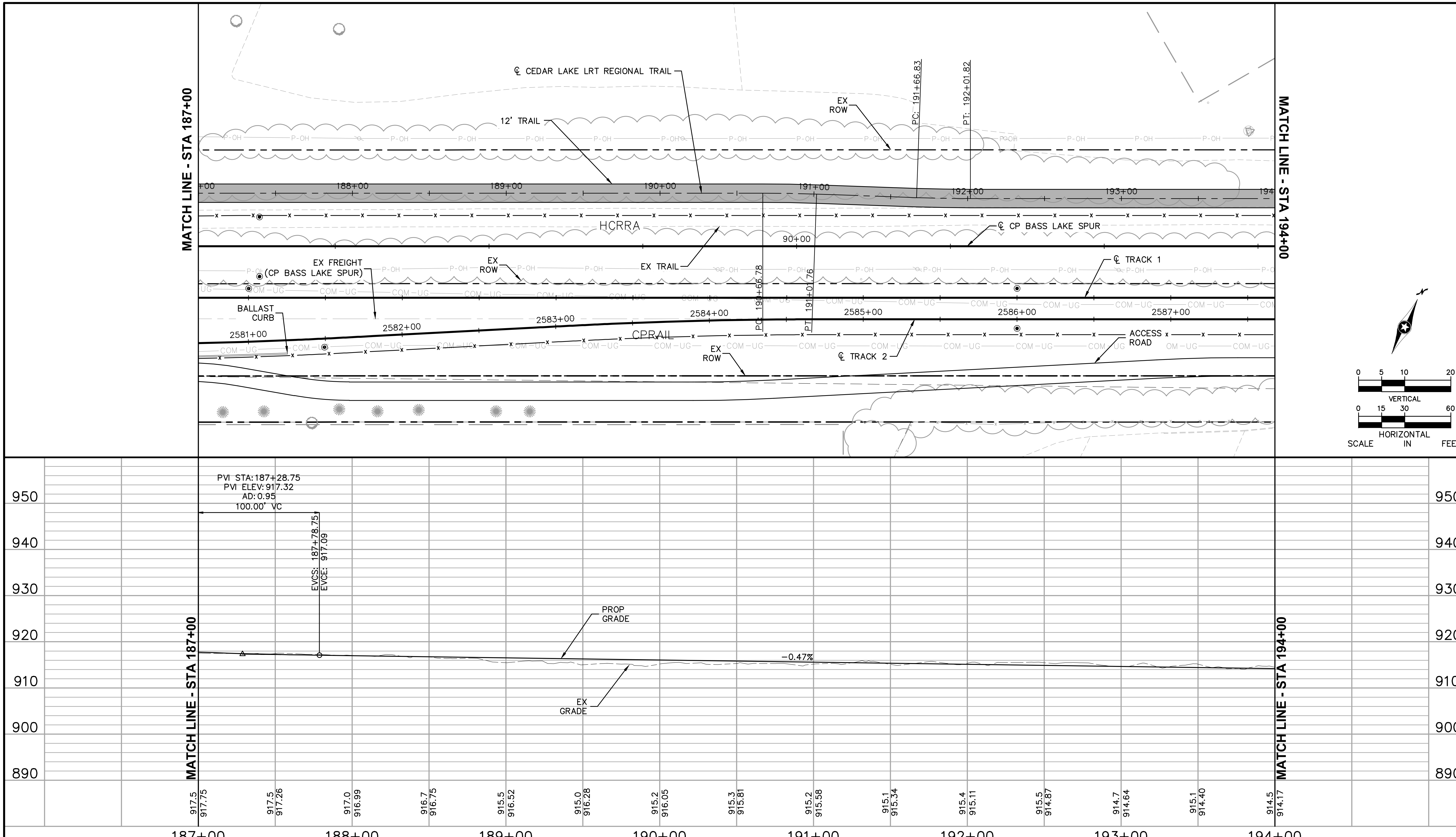

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60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

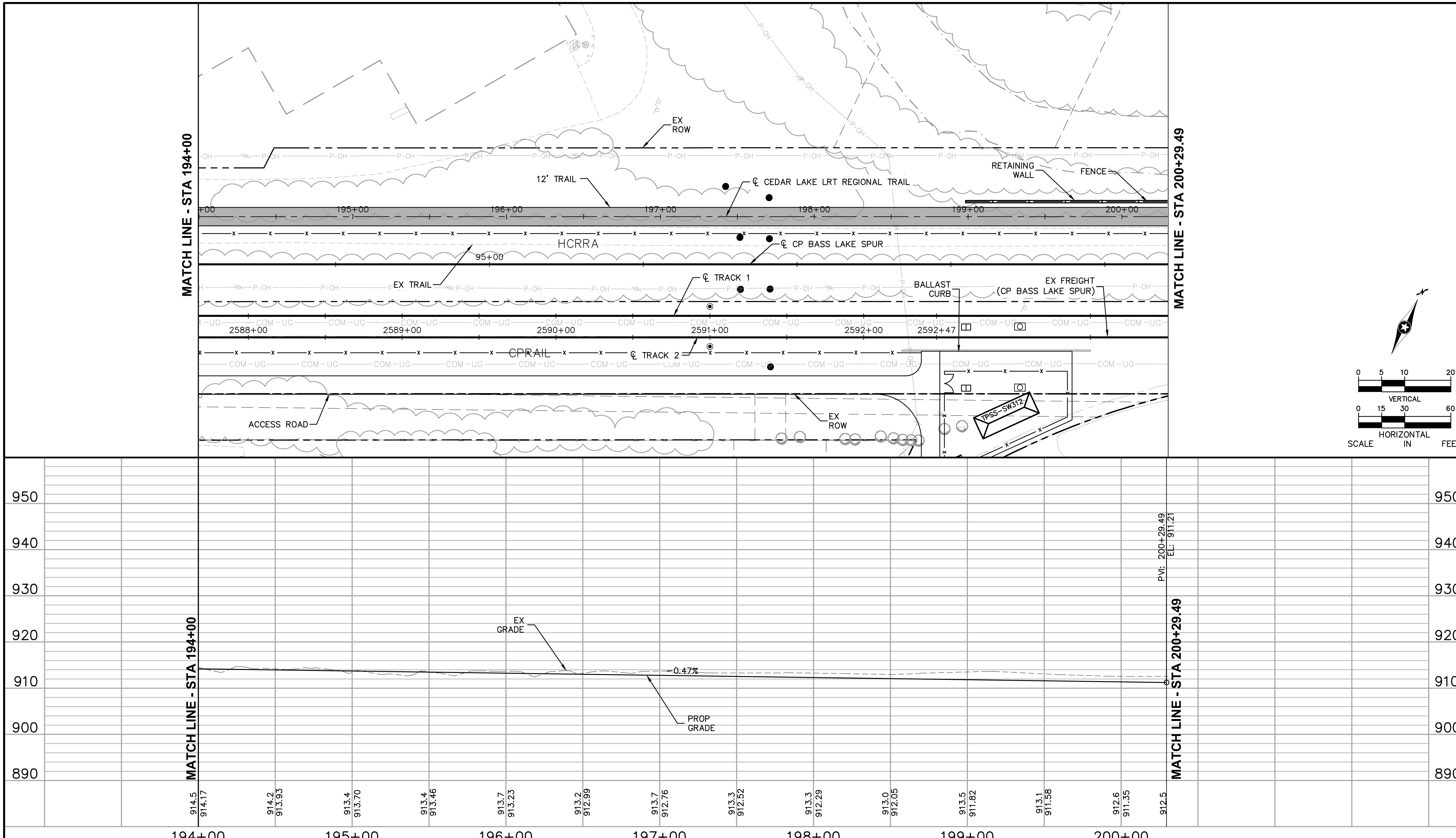
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 187+00 TO STA 194+00

DISCIPLINE: CIVIL

SHEET NAME: E1-TRL-PRF - 012

SHEET 135 OF 199



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 194+00 TO STA 200+29.49

DISCIPLINE: CIVIL

SHEET NAME: E1-TRL-PRF - 013

SHEET 136 OF 199

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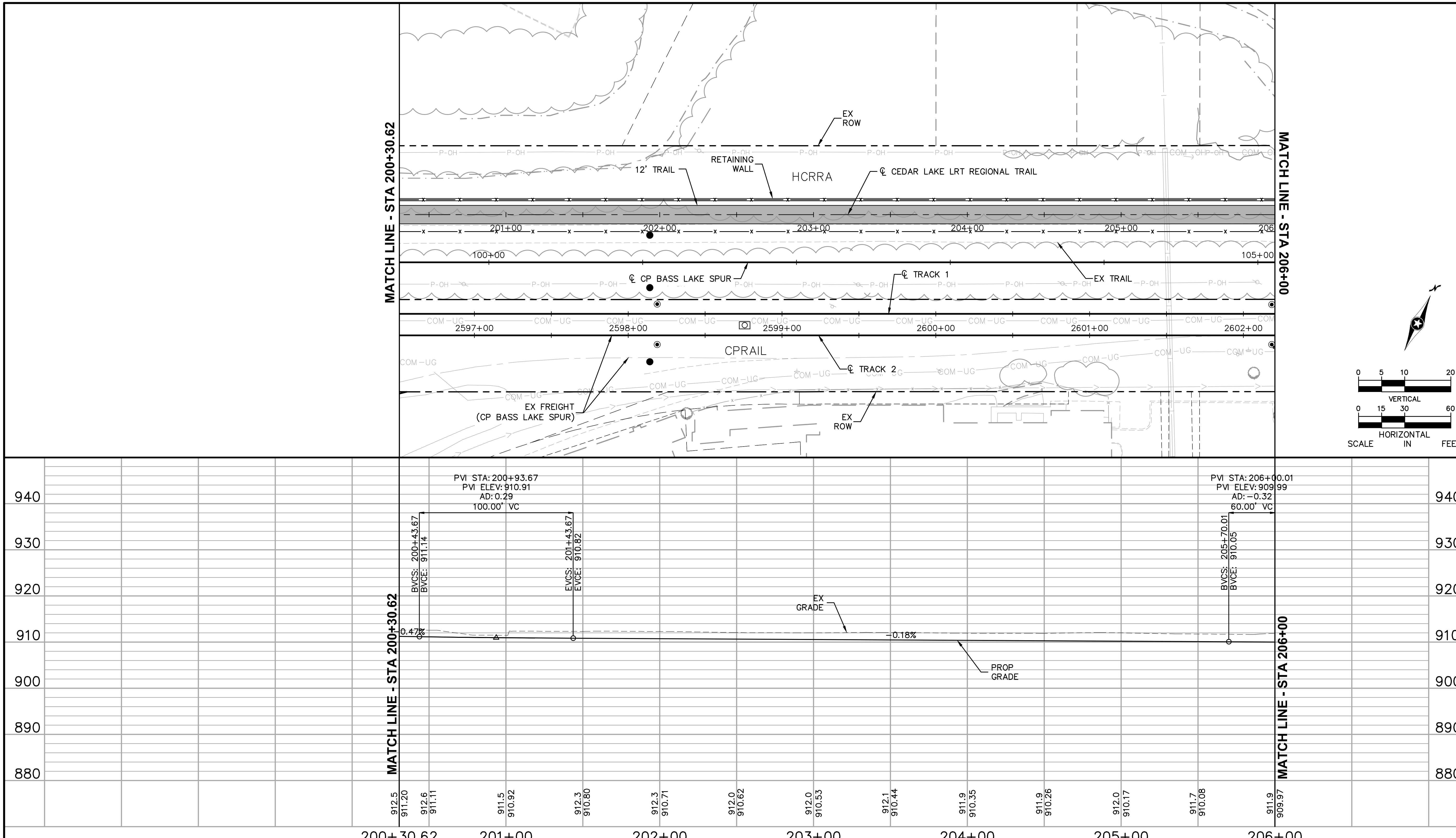


NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

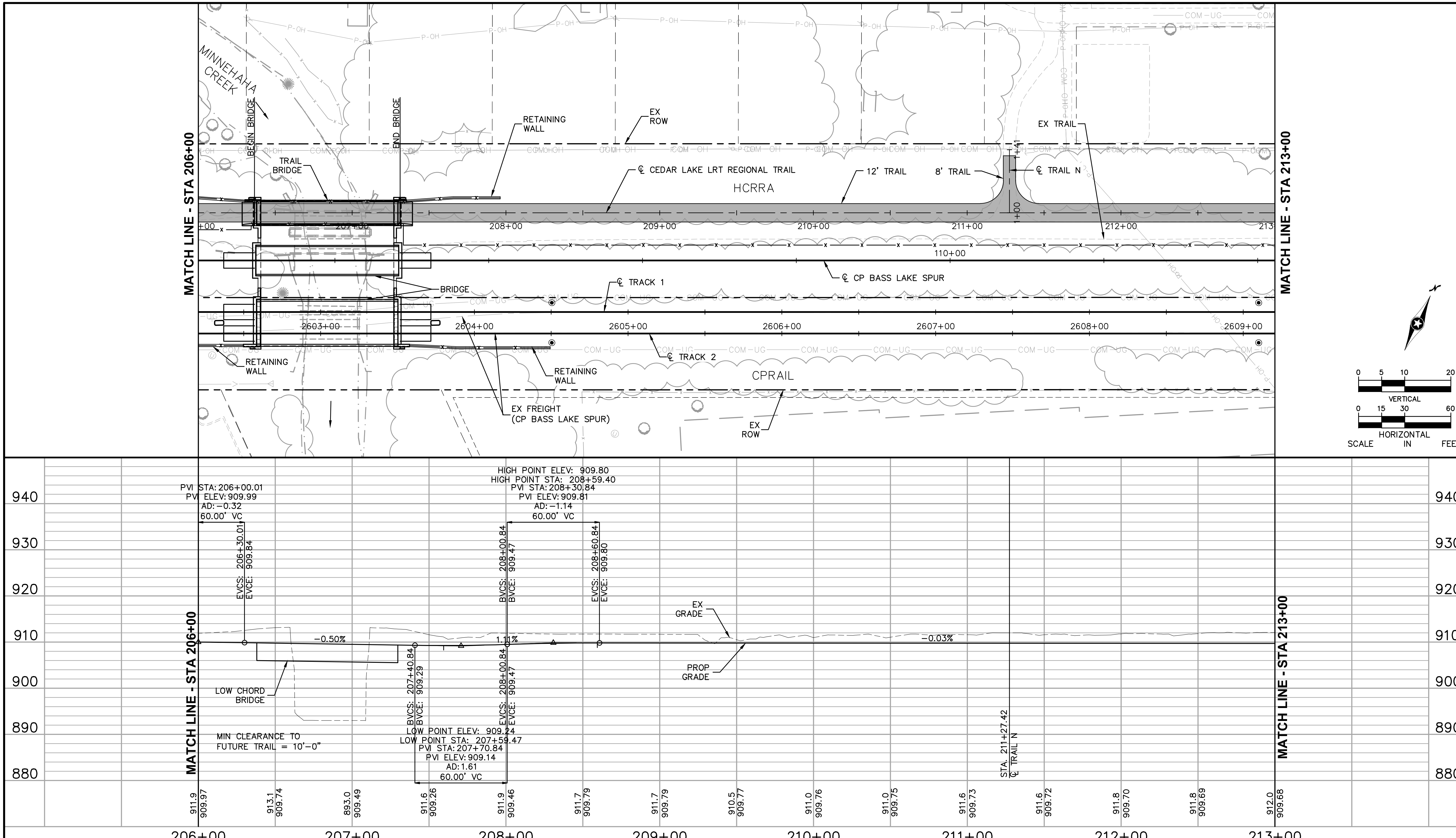
CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 200+30.62 TO STA 206+00

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 001

SHEET 137 OF 199

Sep. 21 2015 06:10 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-TRL-PRF.dwg By: V-JohnsoWD



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

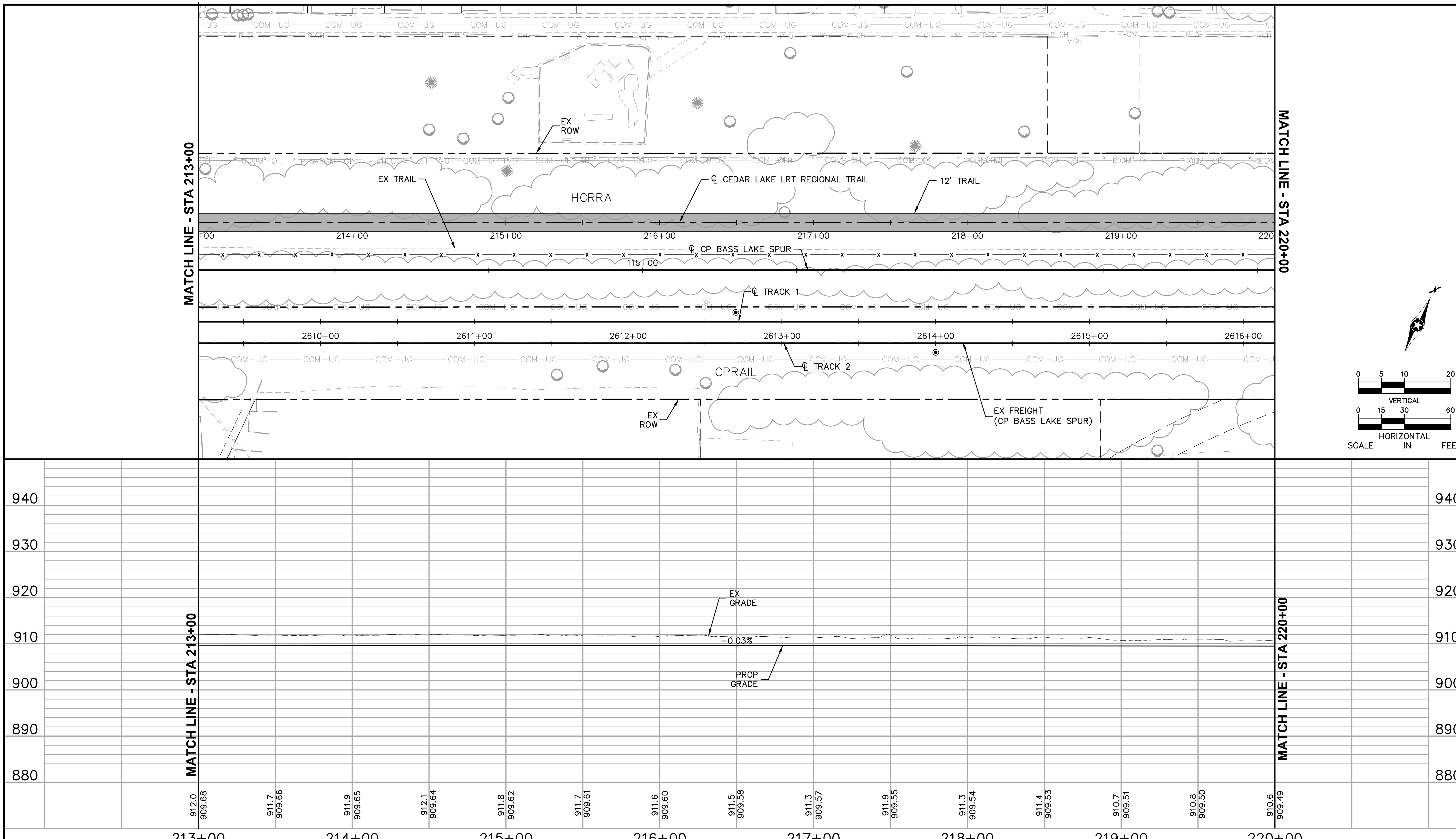
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 206+00 TO STA 213+00

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 002

SHEET 138 OF 199



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

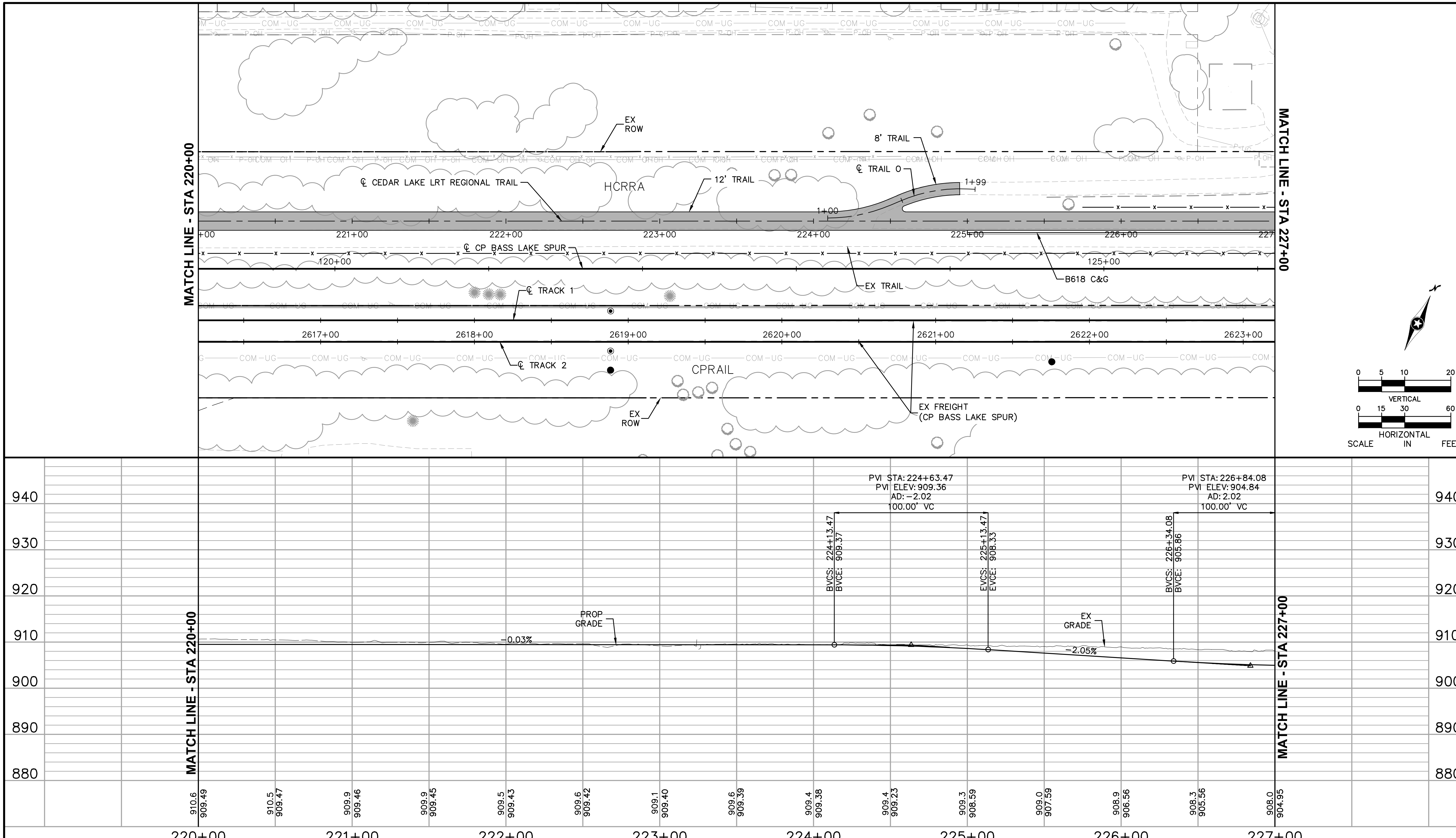
CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 213+00 TO STA 220+00

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 003

SHEET 139 OF 199

Sep. 21 2015 06:14 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-TRL-PRF.dwg By: V-JohnsoWD



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

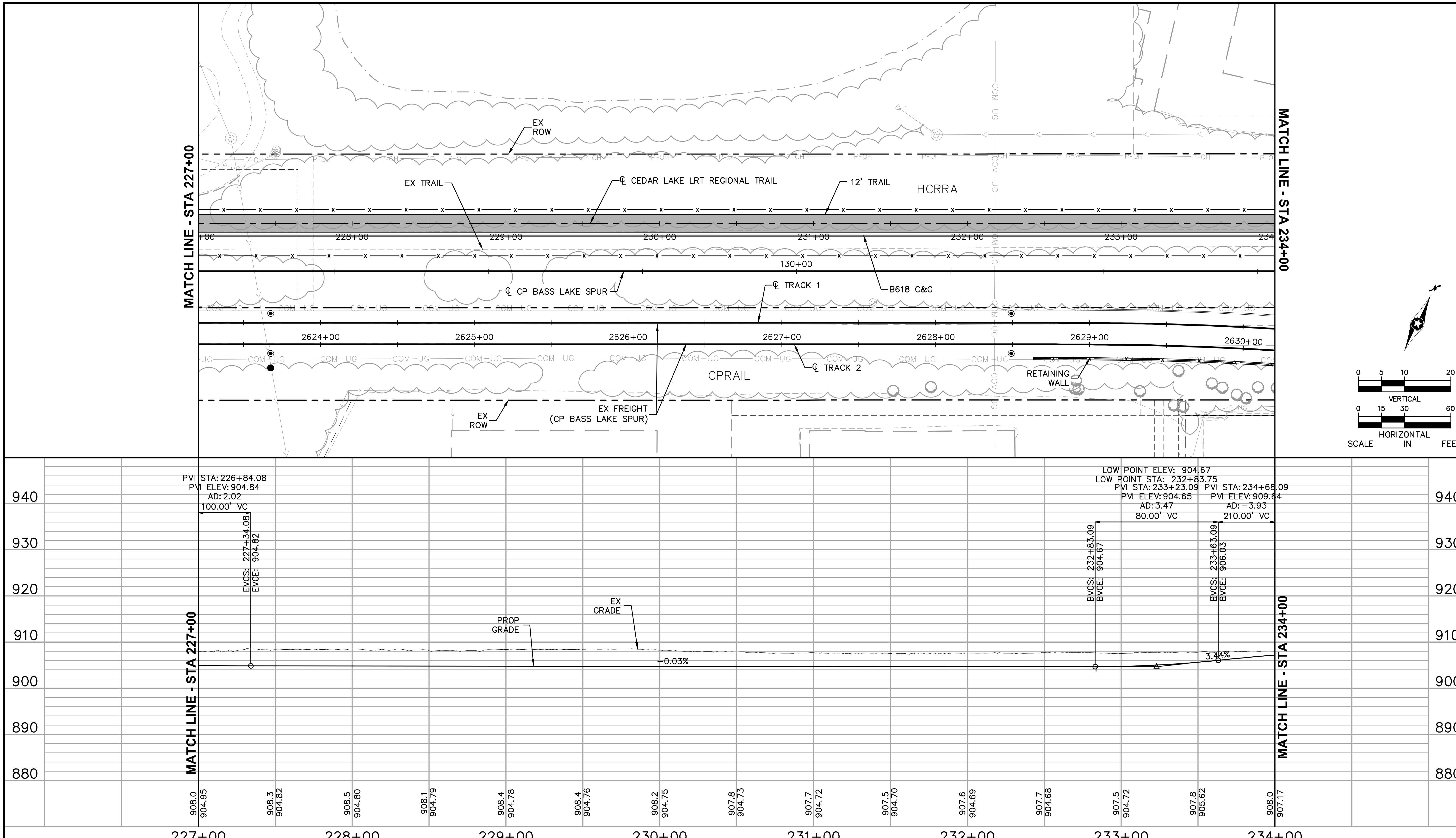
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 220+00 TO STA 227+00

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 004



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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

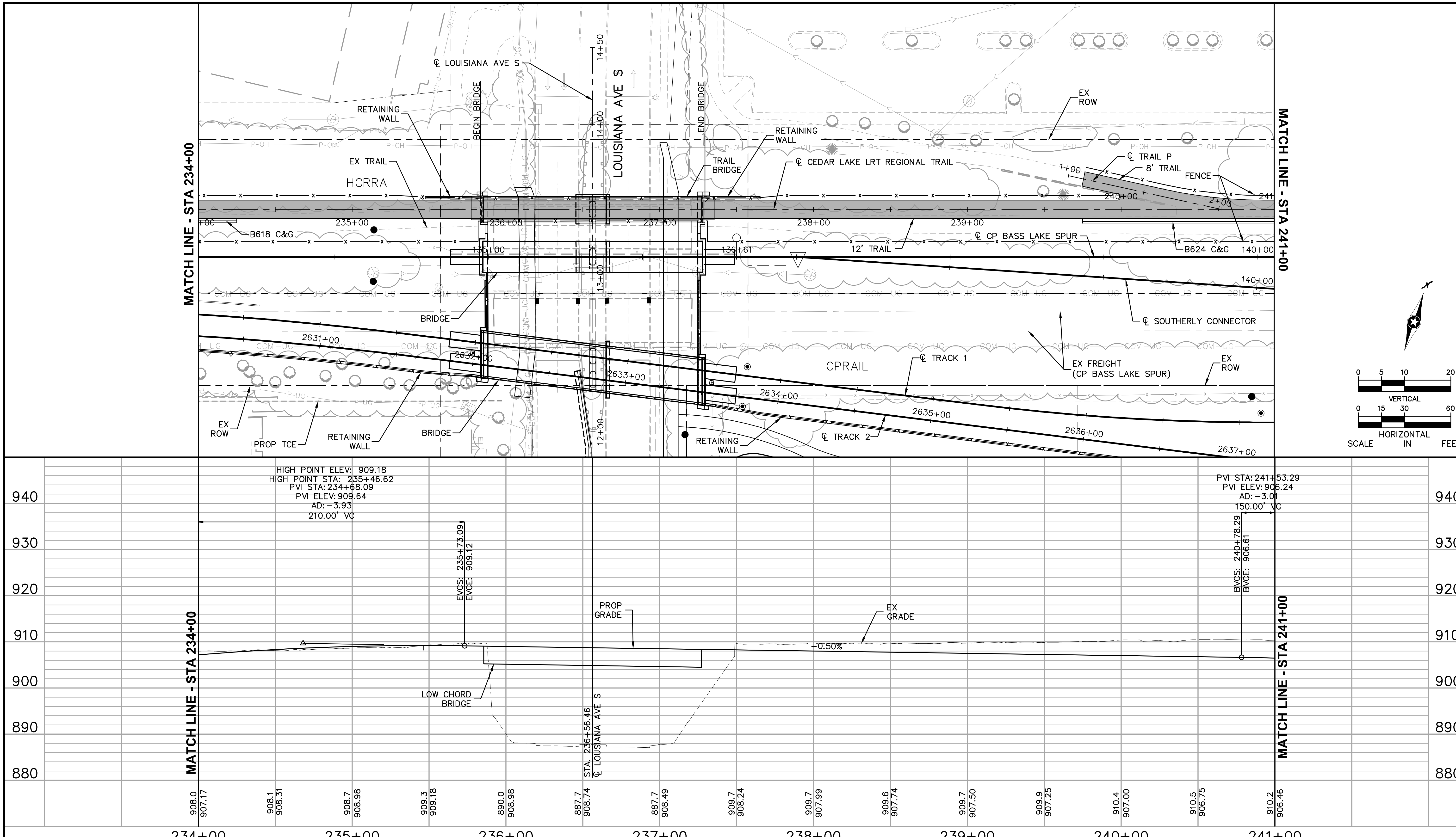
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 227+00 TO STA 234+00

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 005

SHEET 141 OF 199



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

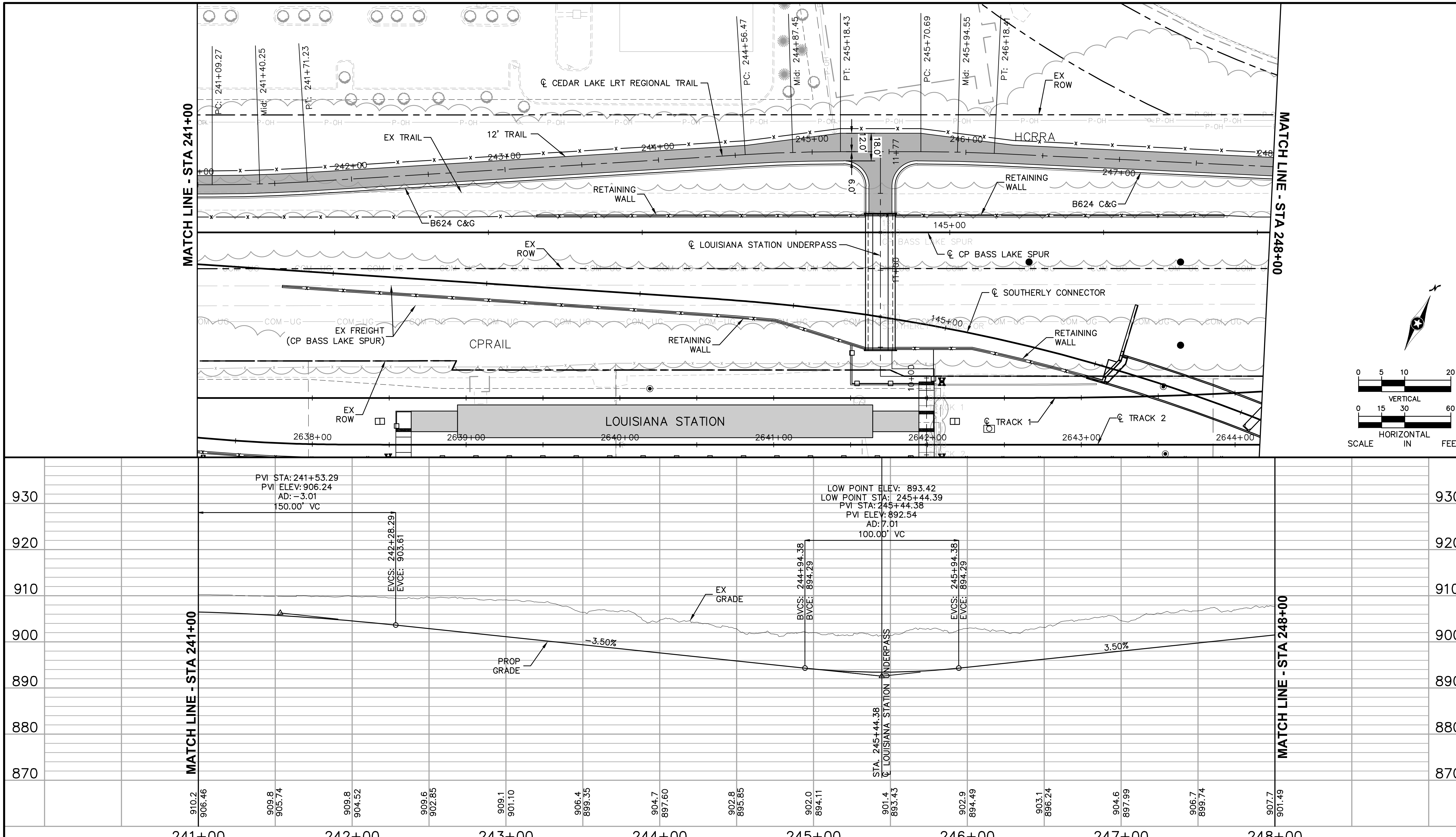
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 234+00 TO STA 241+00

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 006

SHEET 142 OF 199



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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

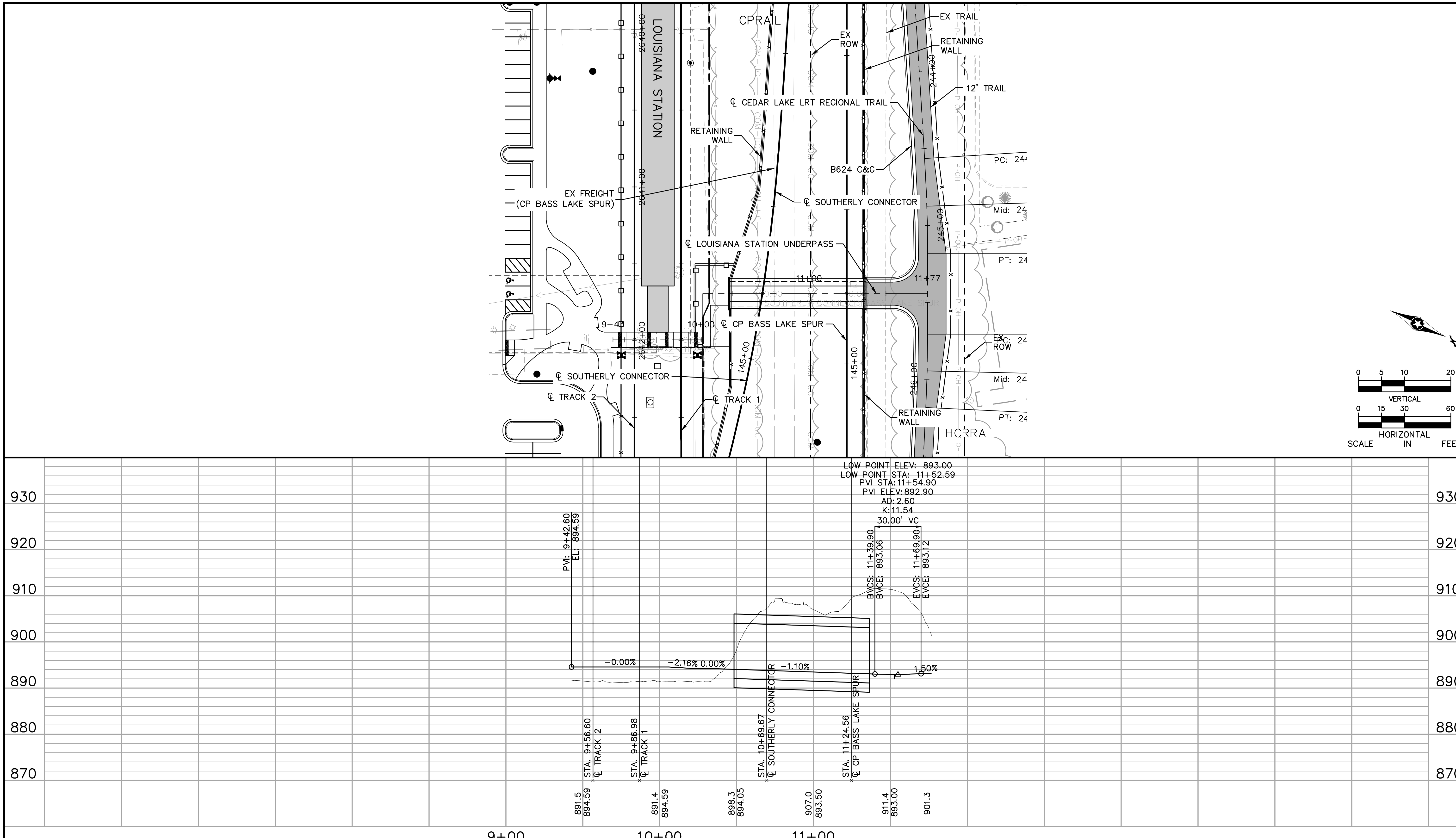
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 241+00 TO STA 248+00

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 007

SHEET 143 OF 199



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

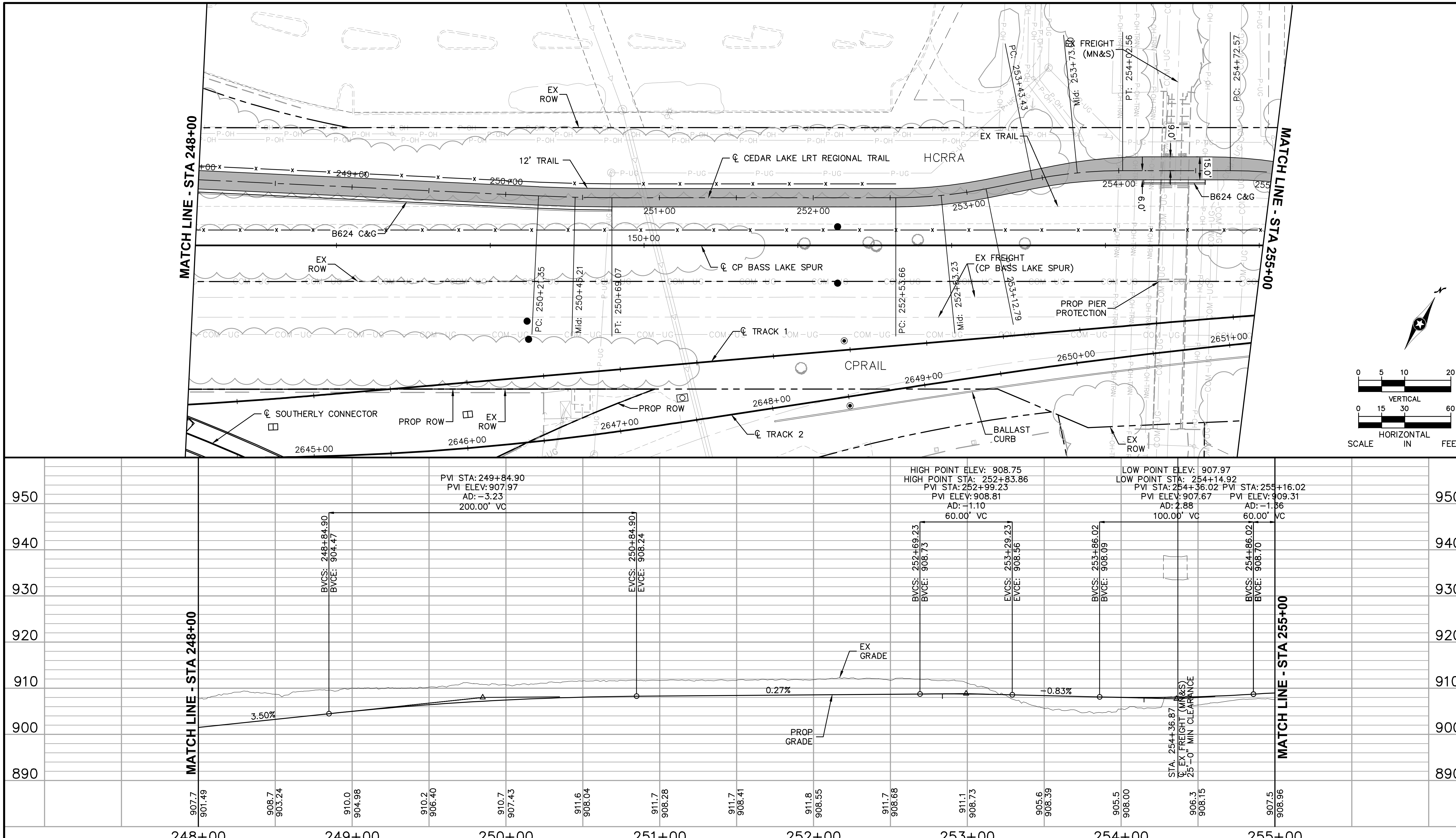
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
LOUISIANA STATION UNDERPASS
PLAN AND PROFILE
STA 9+00 TO STA 11+77.06

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 008



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 248+00 TO STA 255+00

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 009

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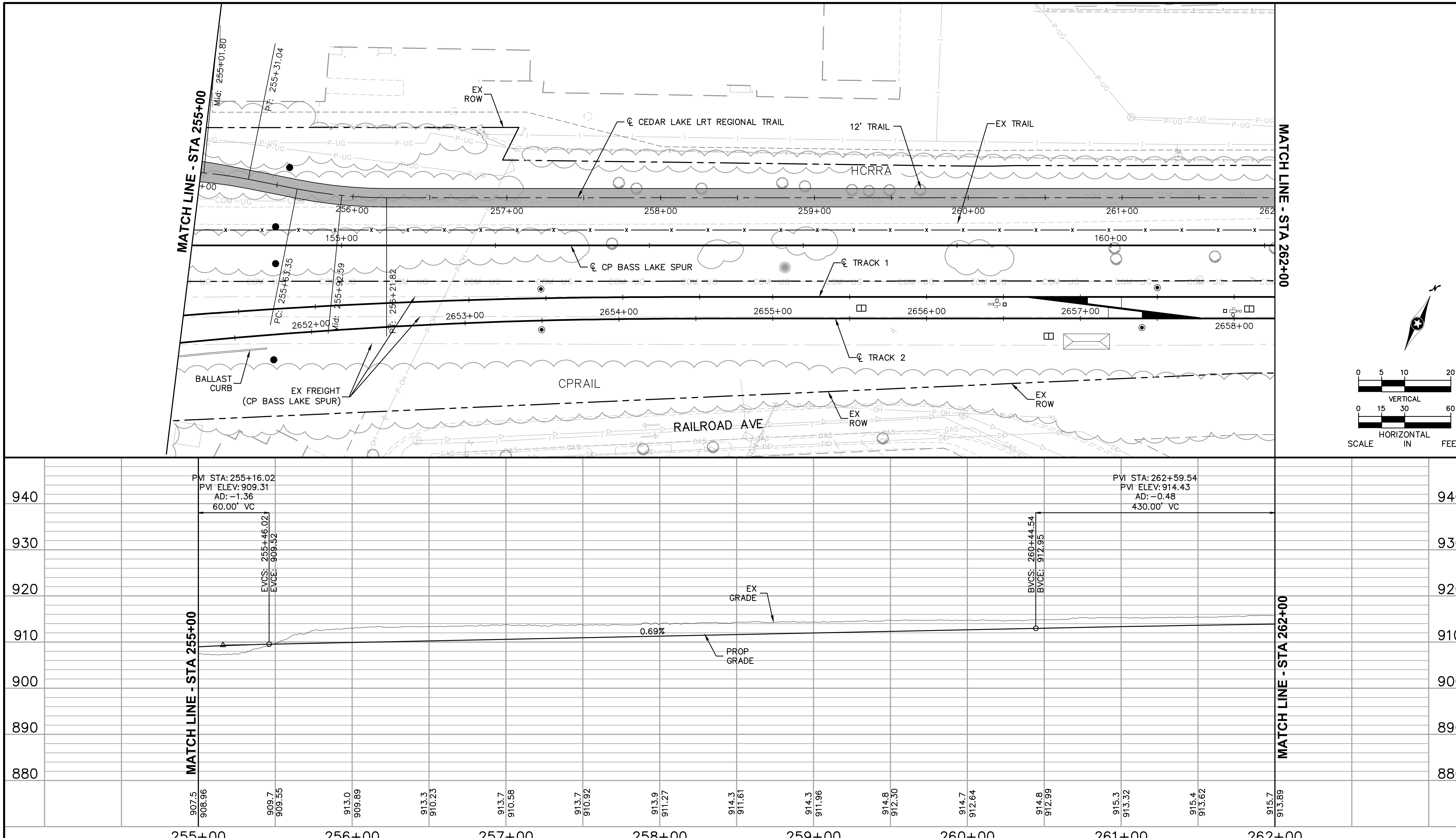


NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

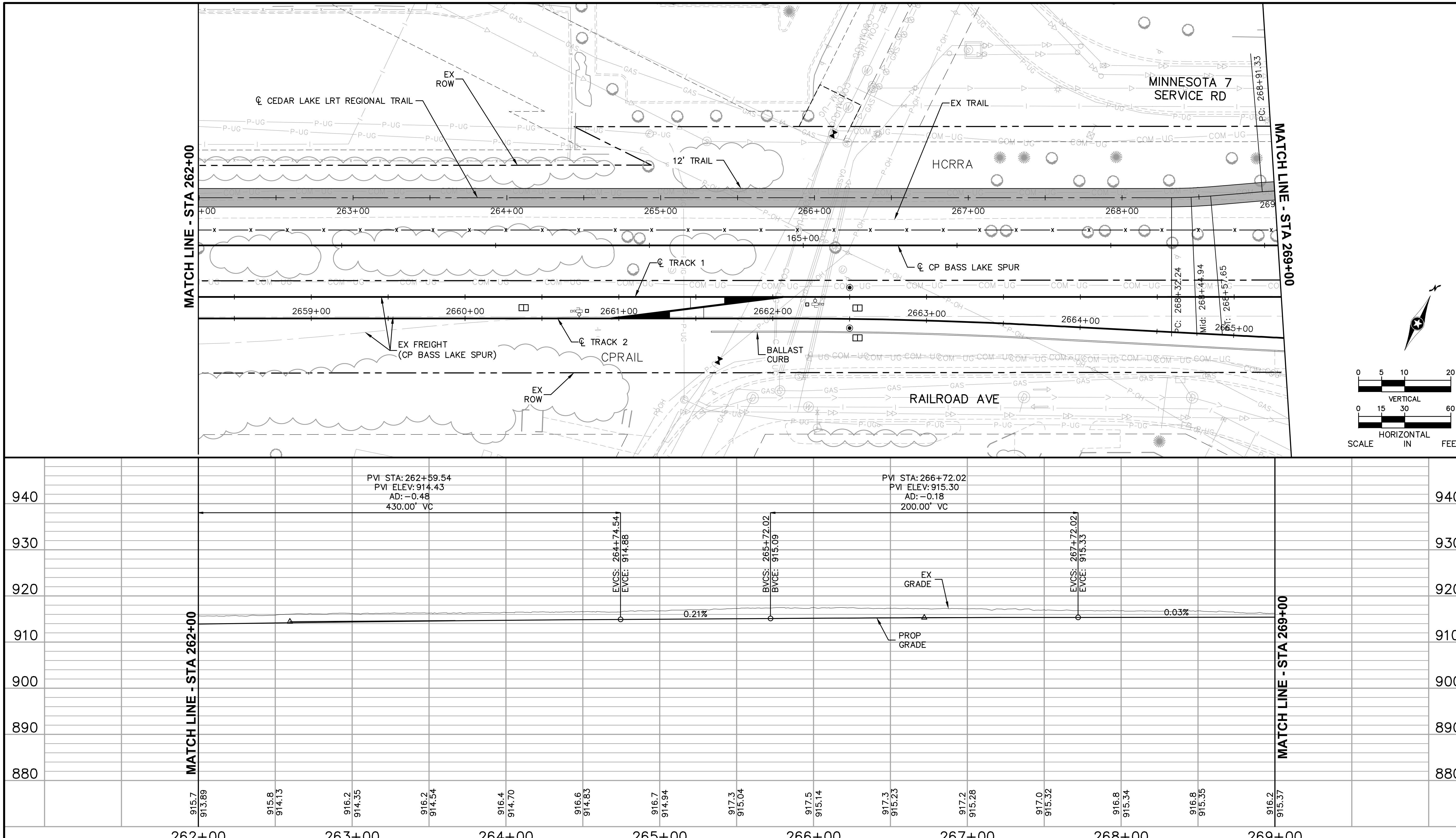
CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 255+00 TO STA 262+00

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 010

SHEET 146 OF 199

Sep. 21 2015 06:29 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-TRL-PRF.dwg By: V-JohnsoWD



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

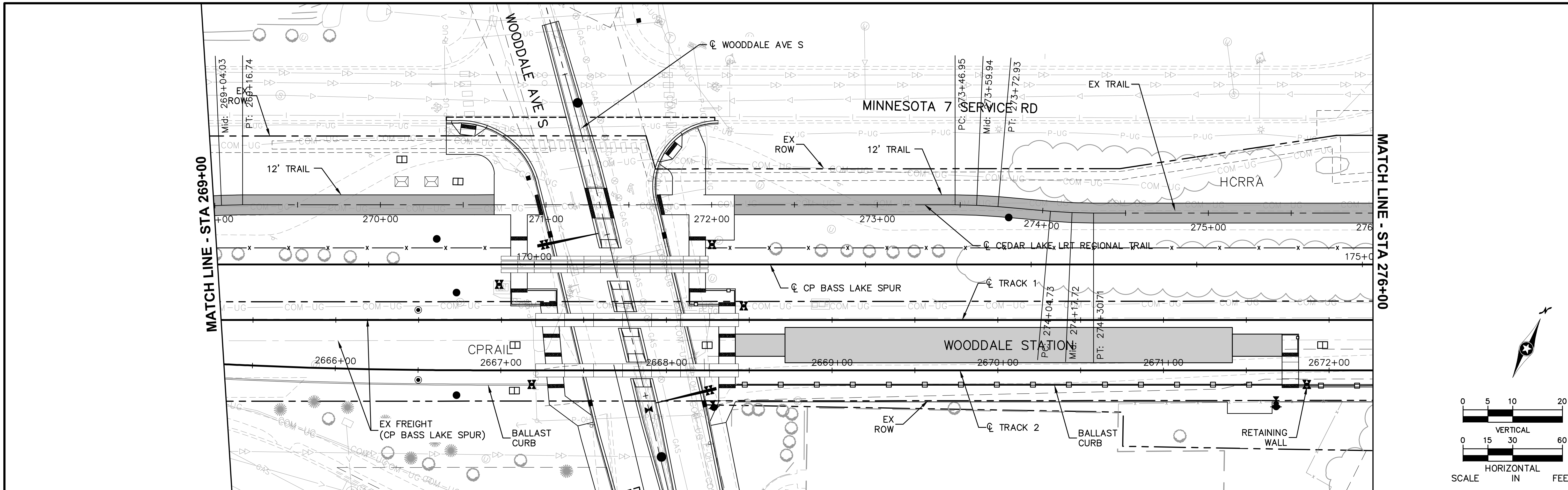
CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 262+00 TO STA 269+00

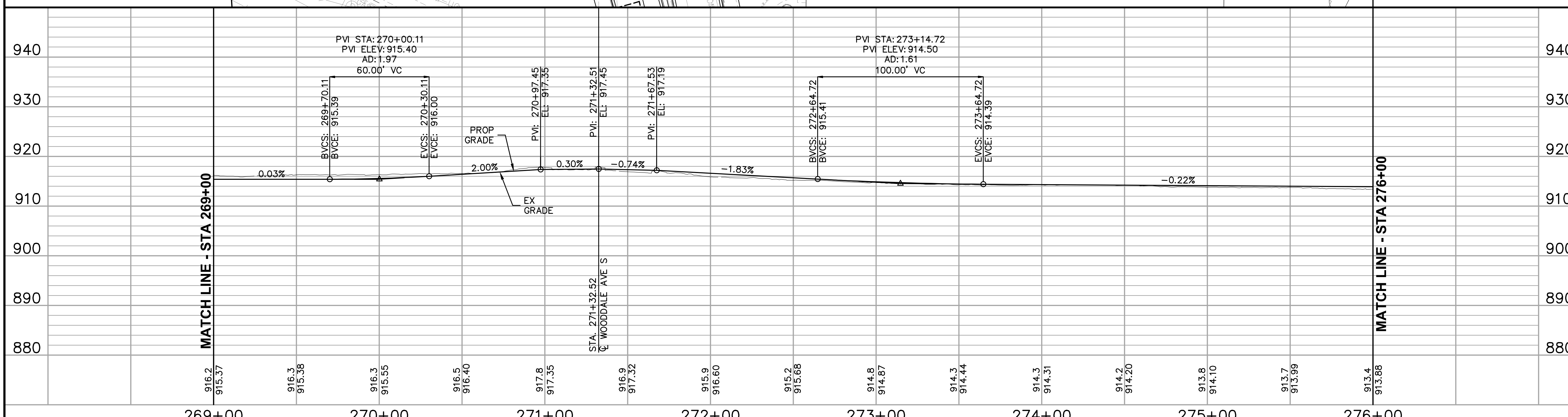
DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 011

SHEET 147 OF 199

Sep. 21 2015 06:31 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-TRL-PRF.dwg By: V-JohnsoWD





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

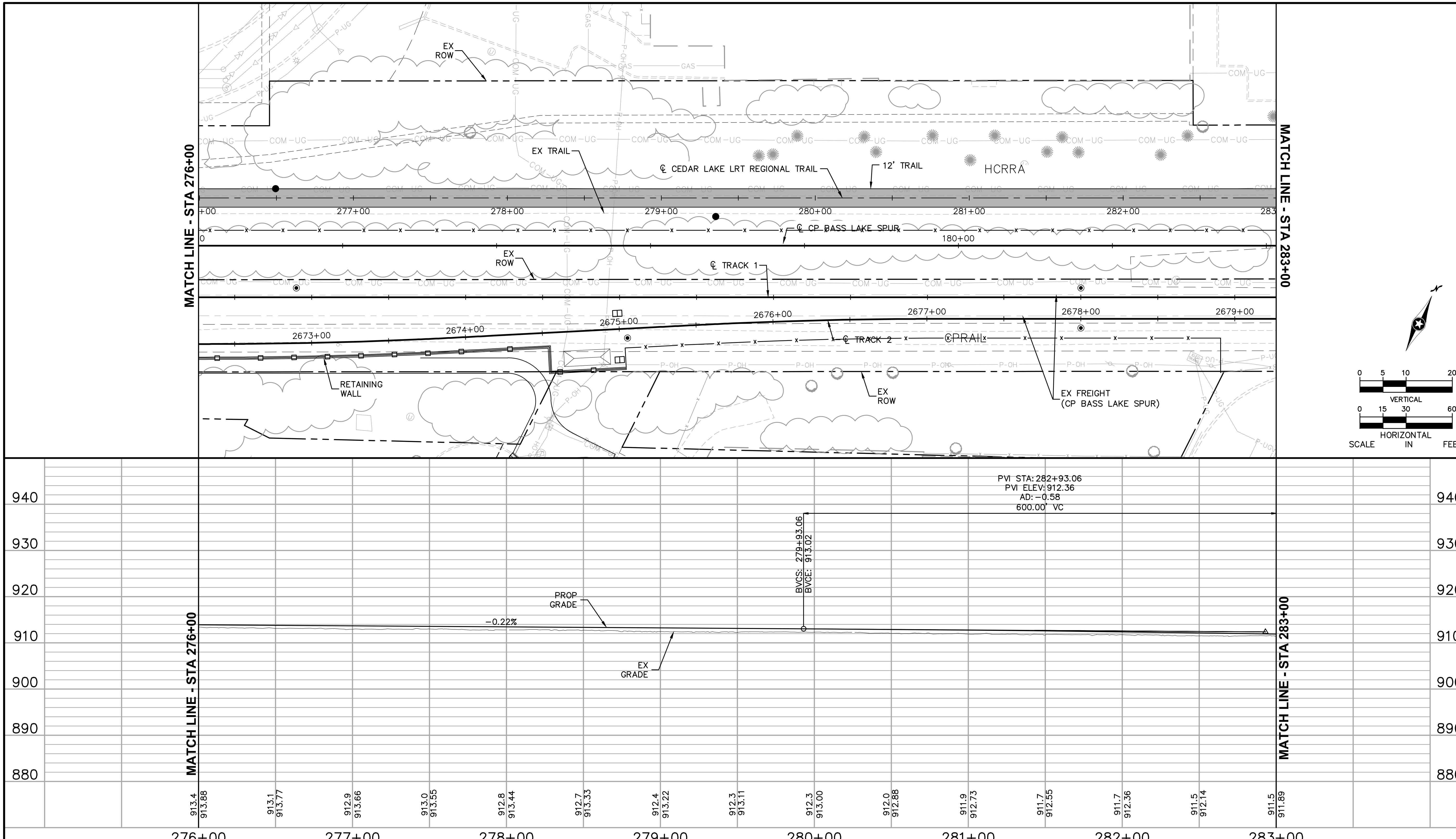
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 269+00 TO STA 276+00

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 012

SHEET 148 OF 199



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

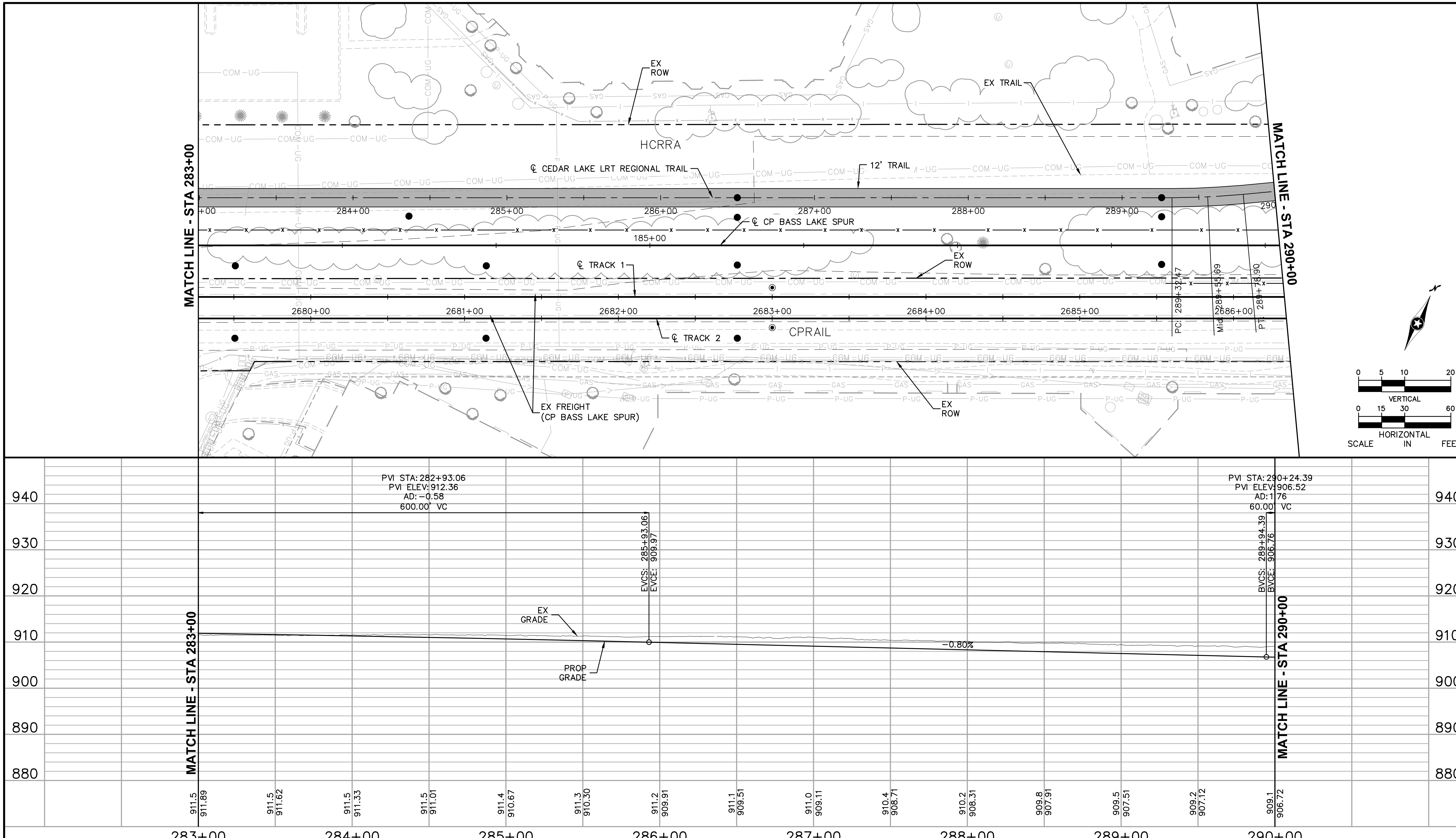
CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 276+00 TO STA 283+00

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 013

SHEET 149 OF 199

Sep. 21 2015 06:35 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-TRL-PRF.dwg By: V-JohnsoWD



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

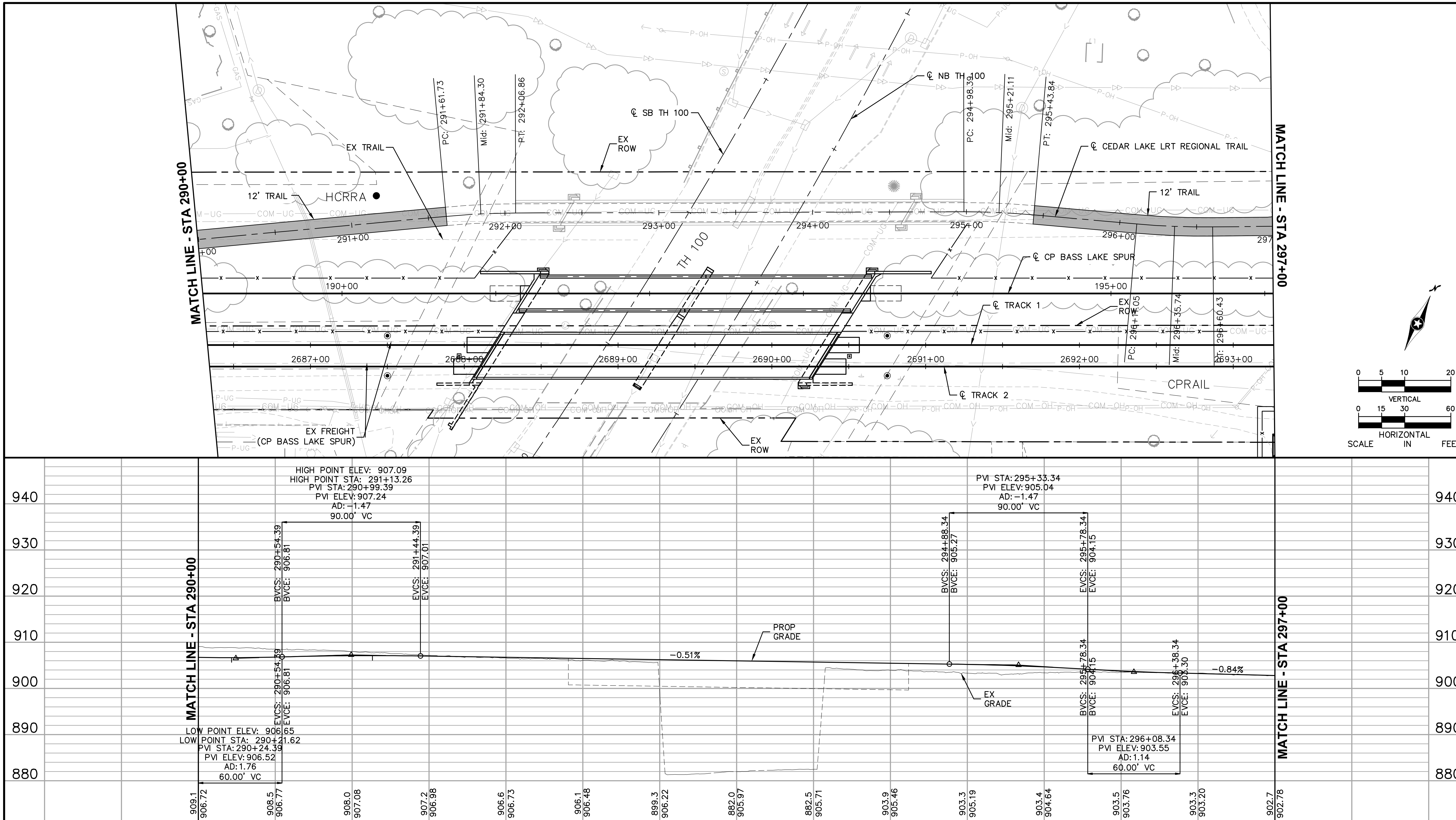
CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 283+00 TO STA 290+00

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 014

SHEET 150 OF 199

Sep. 21 2015 06:37 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-TRL-PRF.dwg By: V-JohnsoWD



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

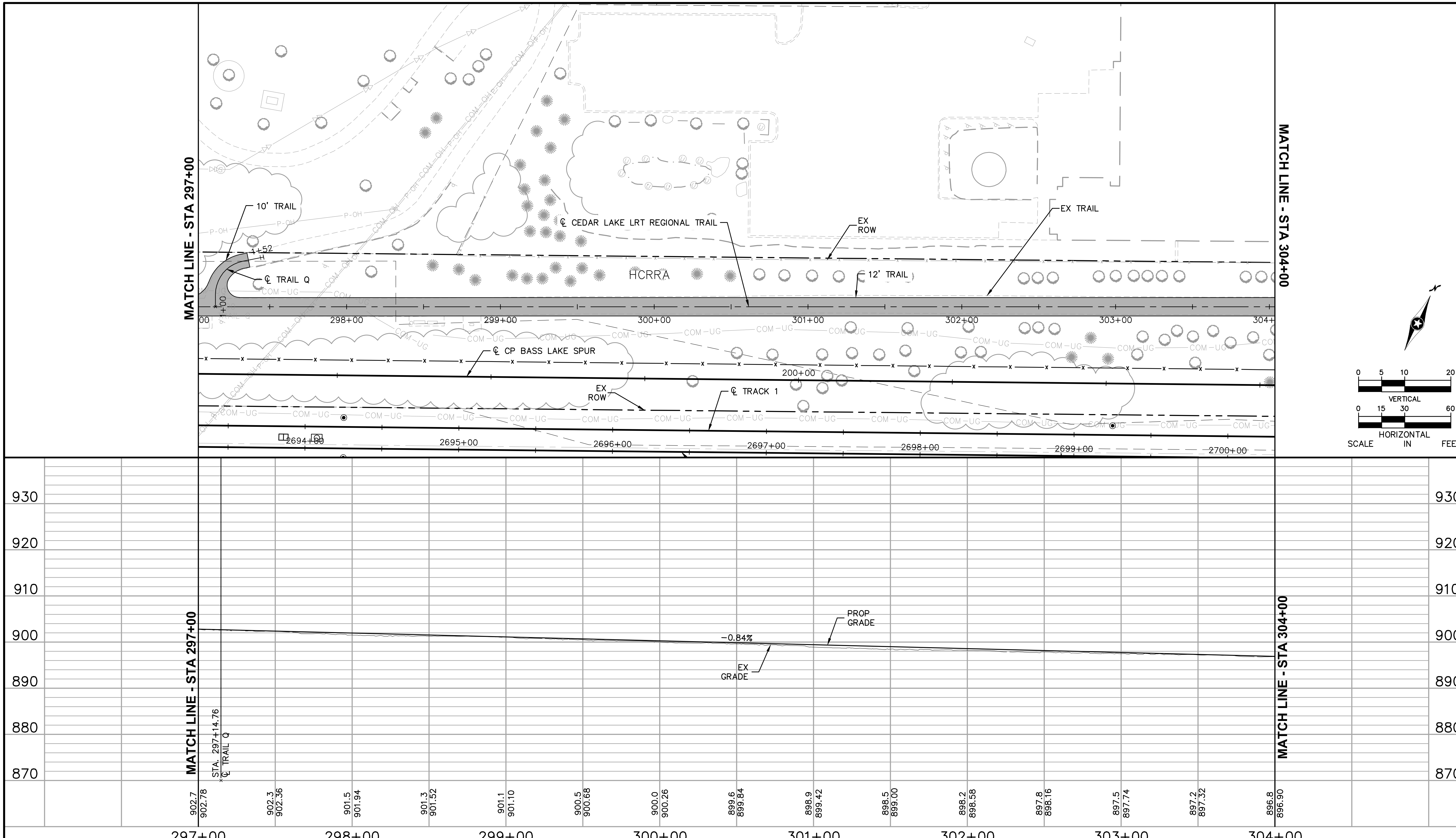
CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 290+00 TO STA 297+00

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 015

SHEET 151 OF 199

Sep. 21 2015 06:39 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-TRL-PRF.dwg By: V-JohnsoWD



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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

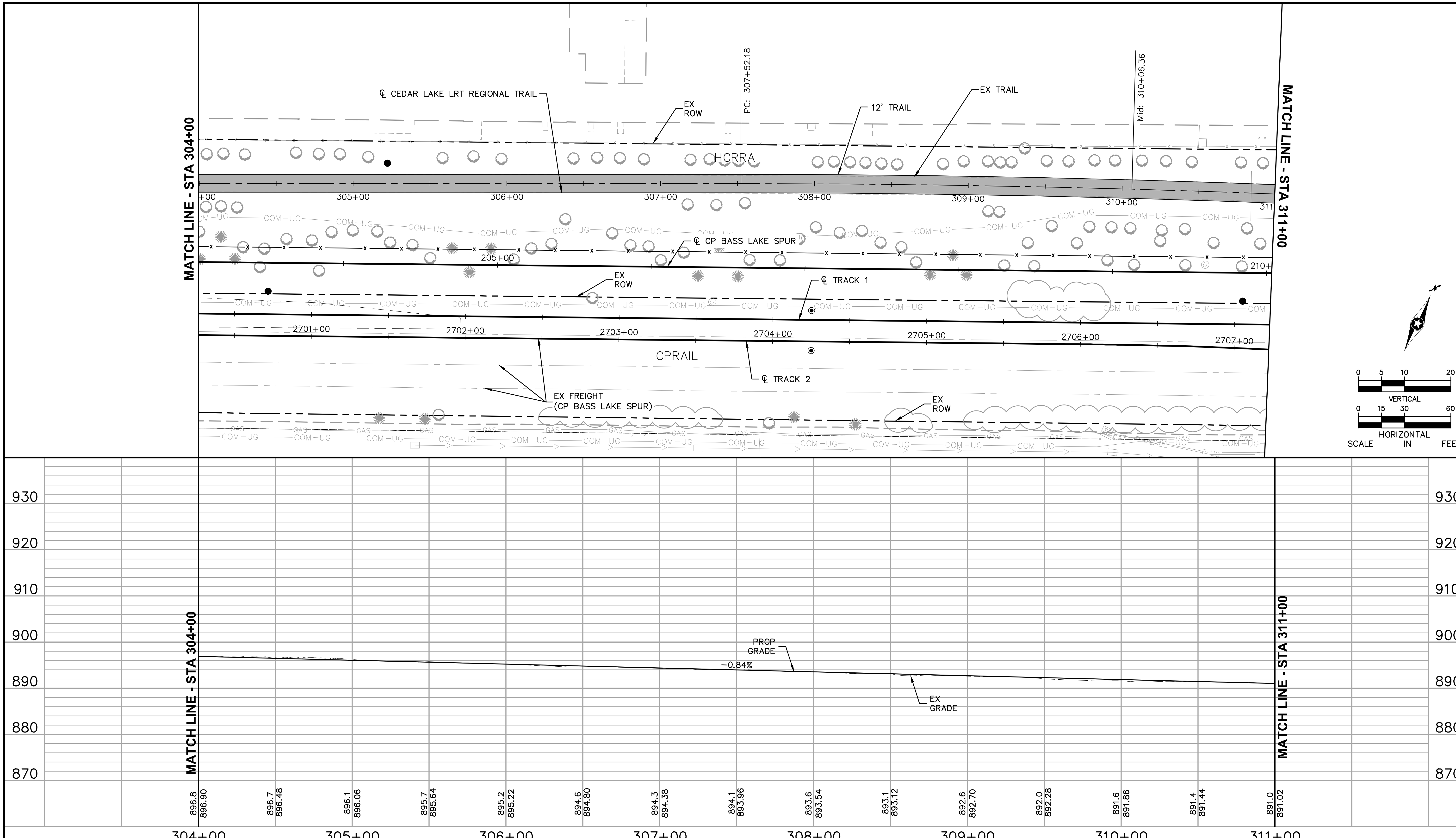
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 297+00 TO STA 304+00

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 016

SHEET 152 OF 199



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

60% SUBMISSION - 09/28/15

AECOM Kimley»Horn

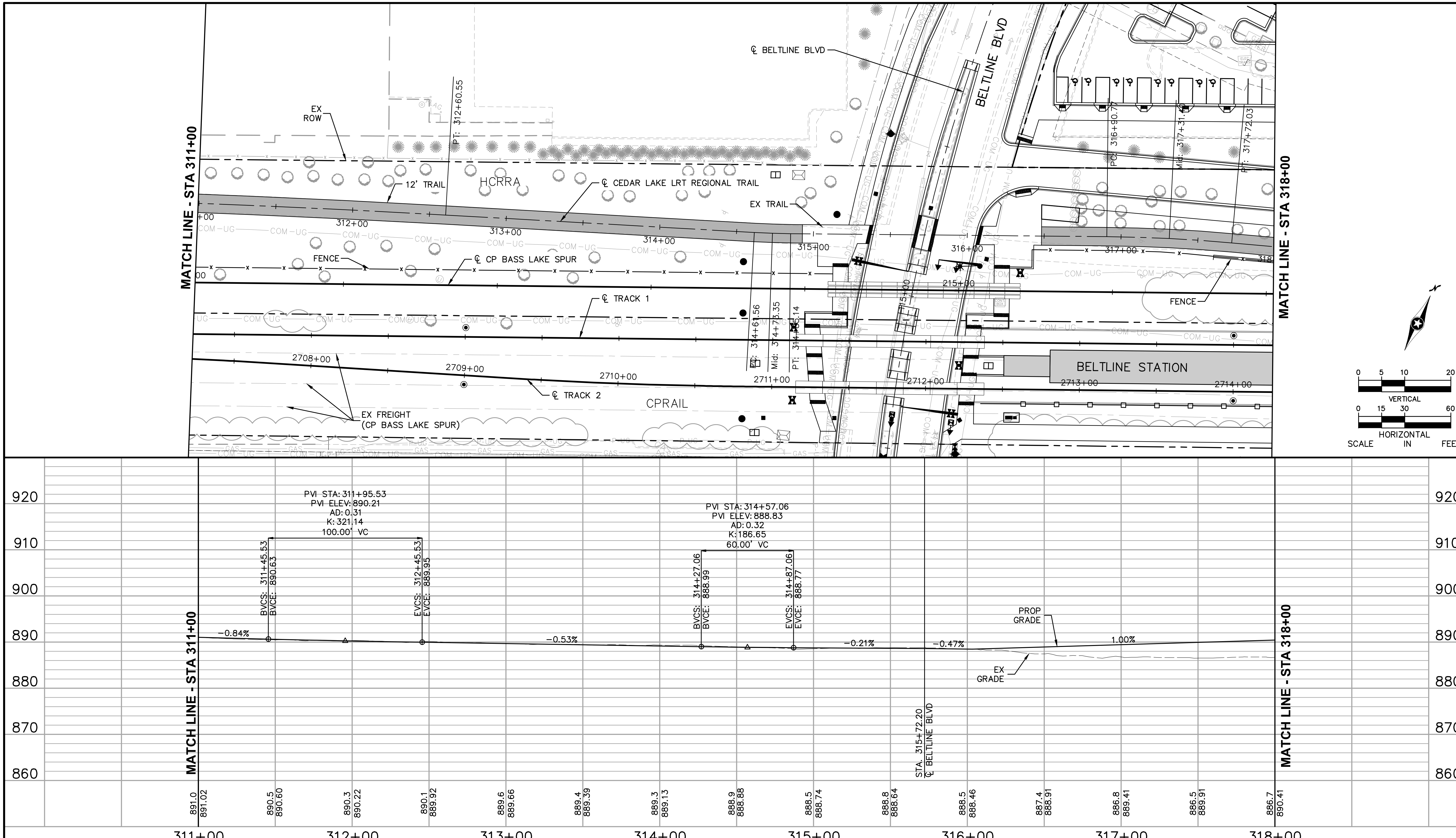
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 304+00 TO STA 311+00

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 017



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

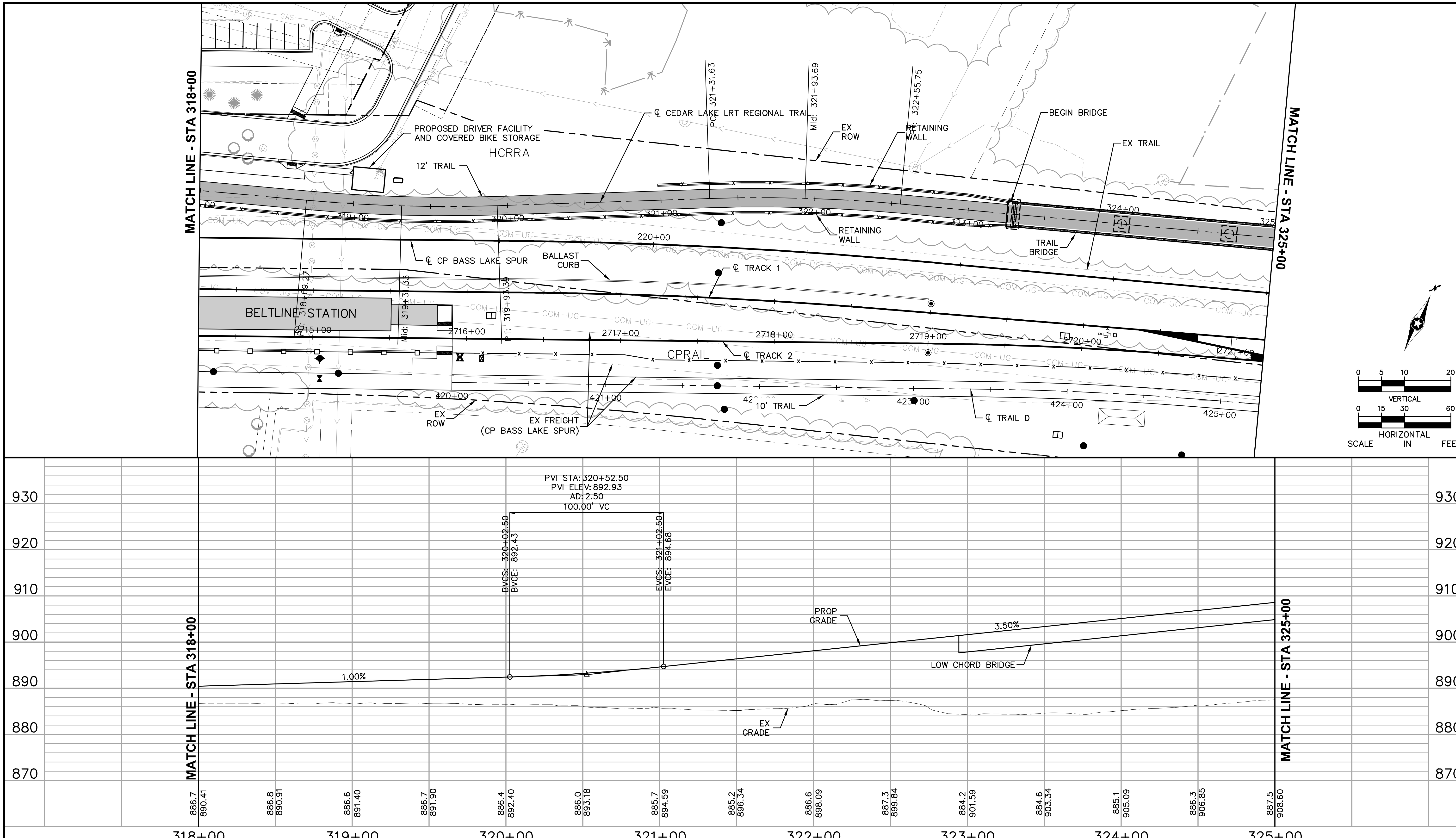
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 311+00 TO STA 318+00

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 018

SHEET 154 OF 199



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

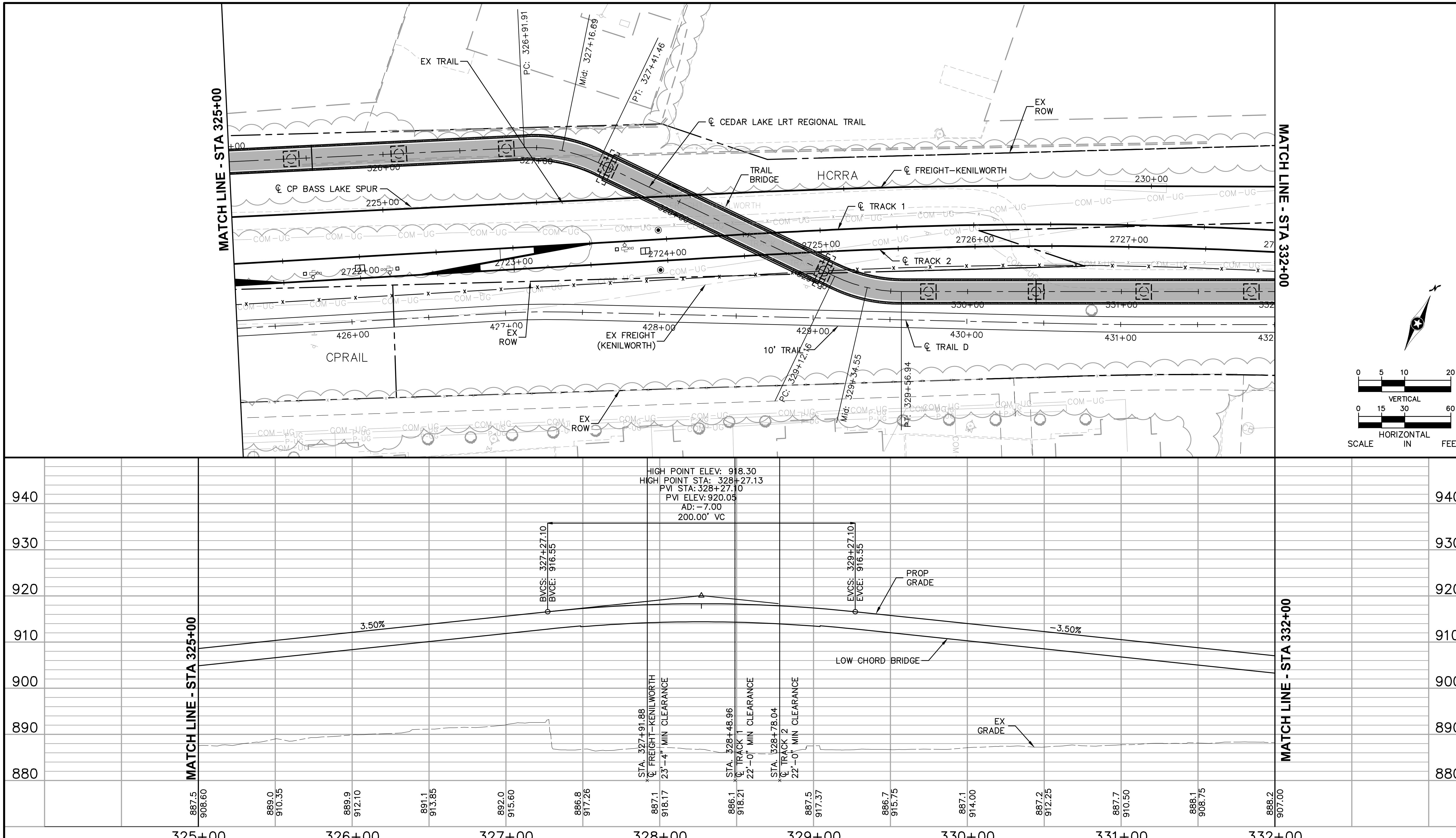
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 318+00 TO STA 325+00

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 019

SHEET 155 OF 199



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

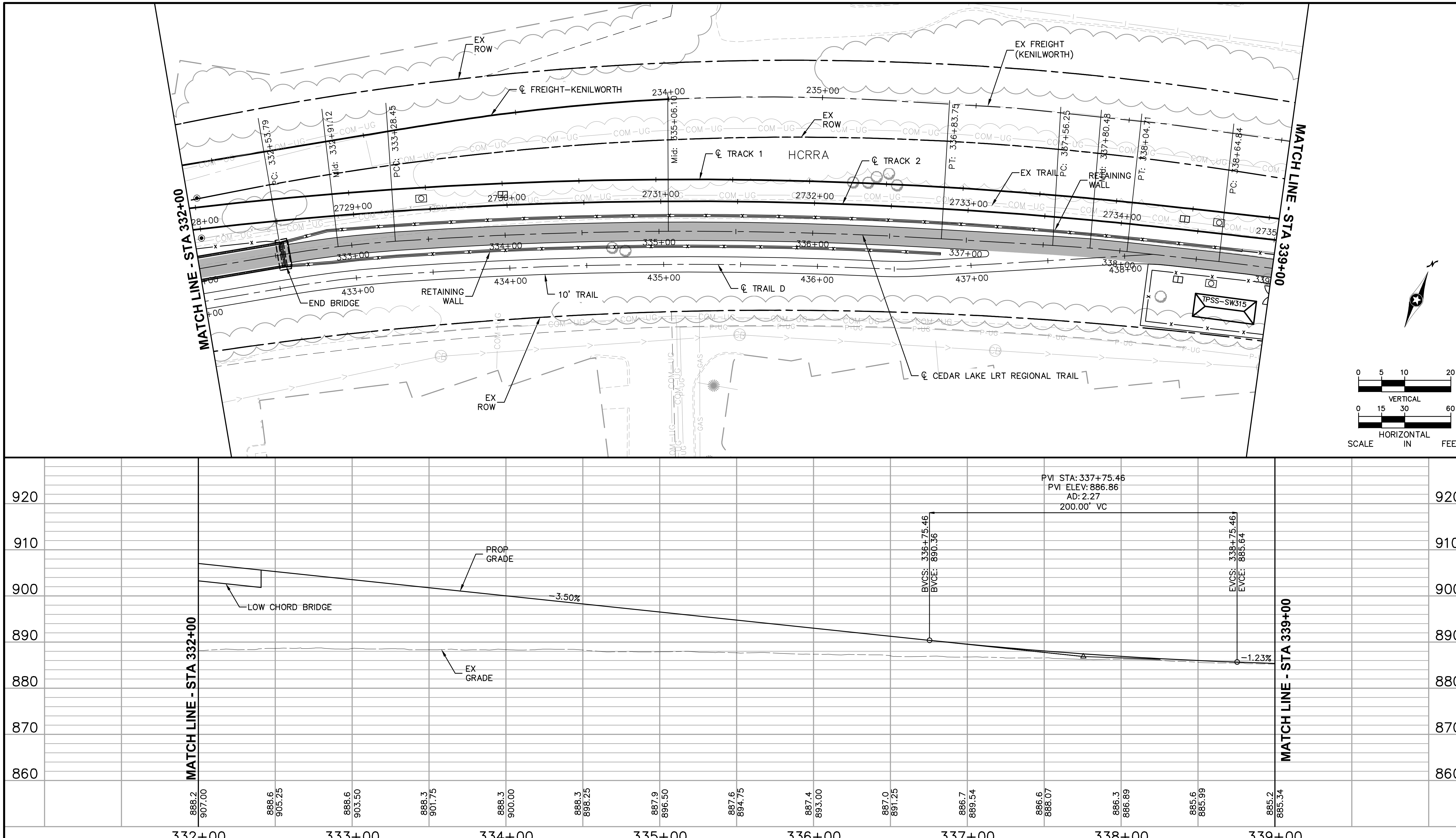
CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 325+00 TO STA 332+00

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 020

SHEET 156 OF 199

Sep. 21 2015 06:49 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-TRL-PRF.dwg By: V-JohnsoWD



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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

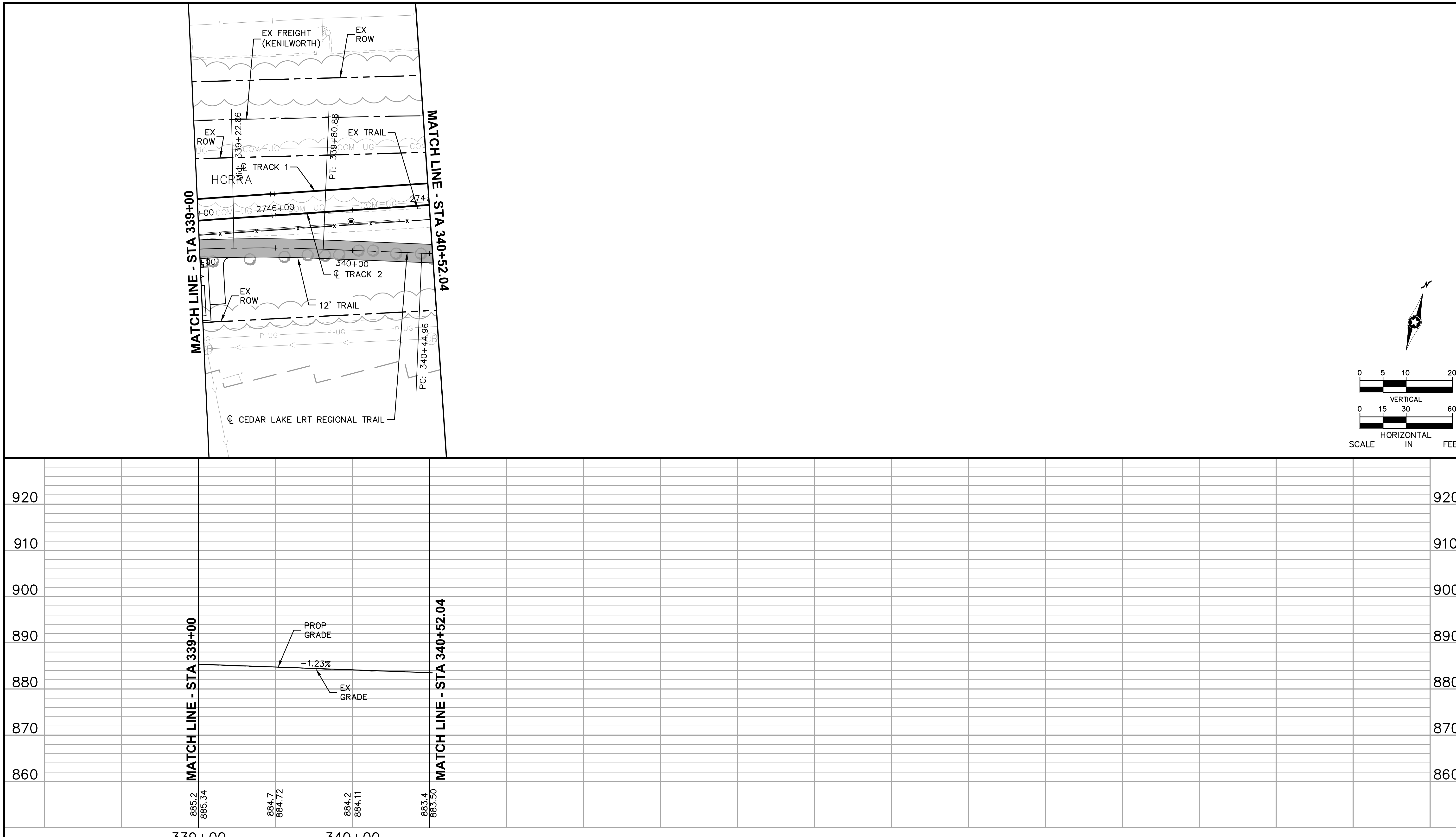
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 332+00 TO STA 339+00

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 021

SHEET 157 OF 199



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

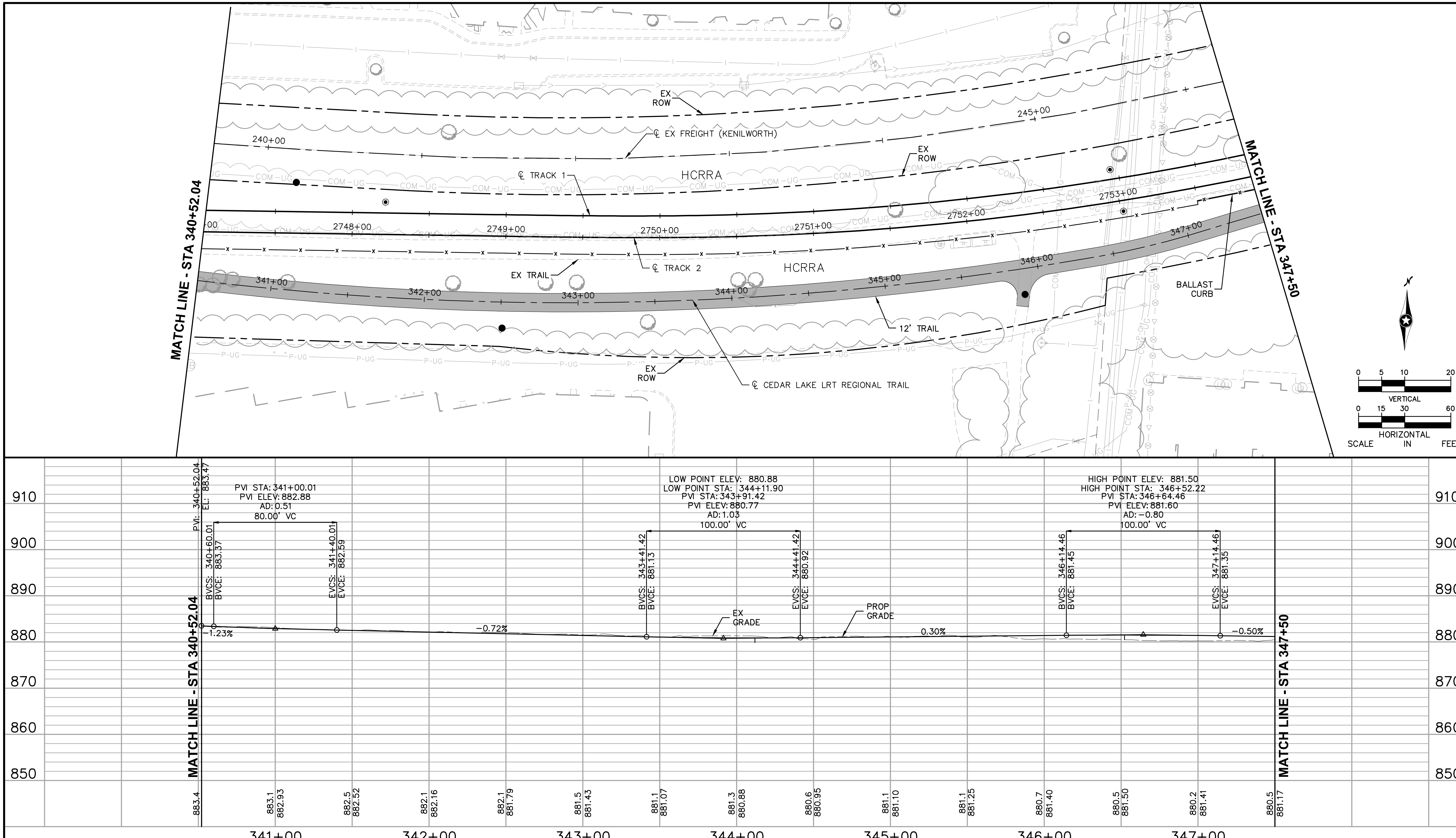
60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 339+00 TO STA 340+52.04

DISCIPLINE: CIVIL

SHEET NAME: E2-TRL-PRF - 022

SHEET 158 OF 199



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

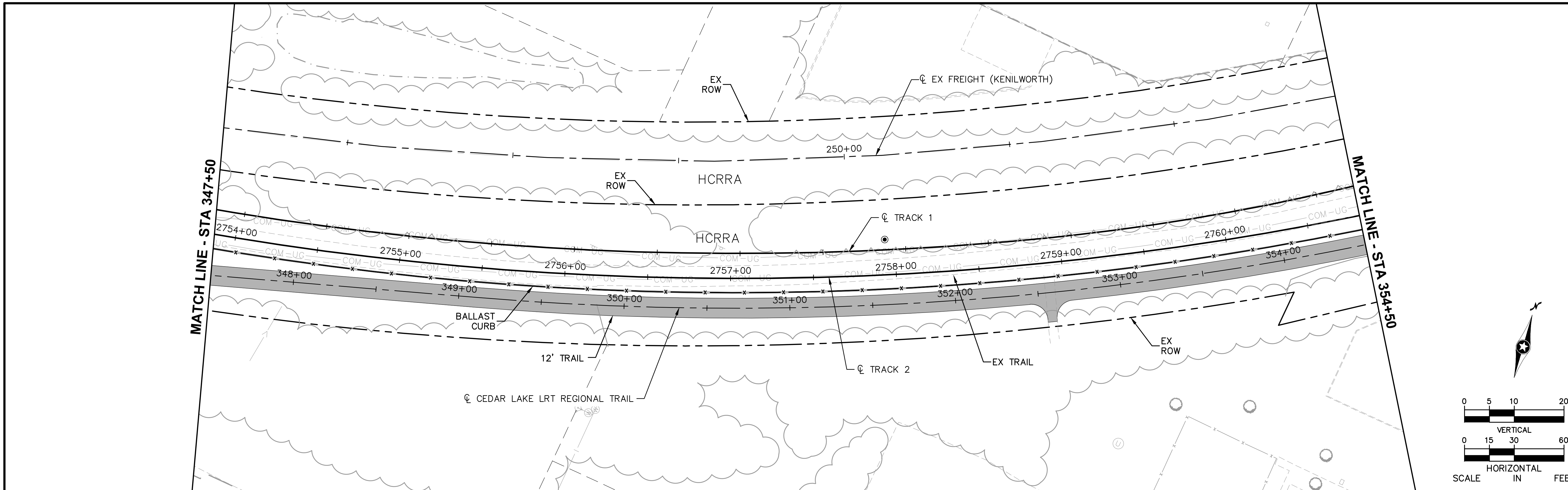
60% SUBMISSION - 09/28/15

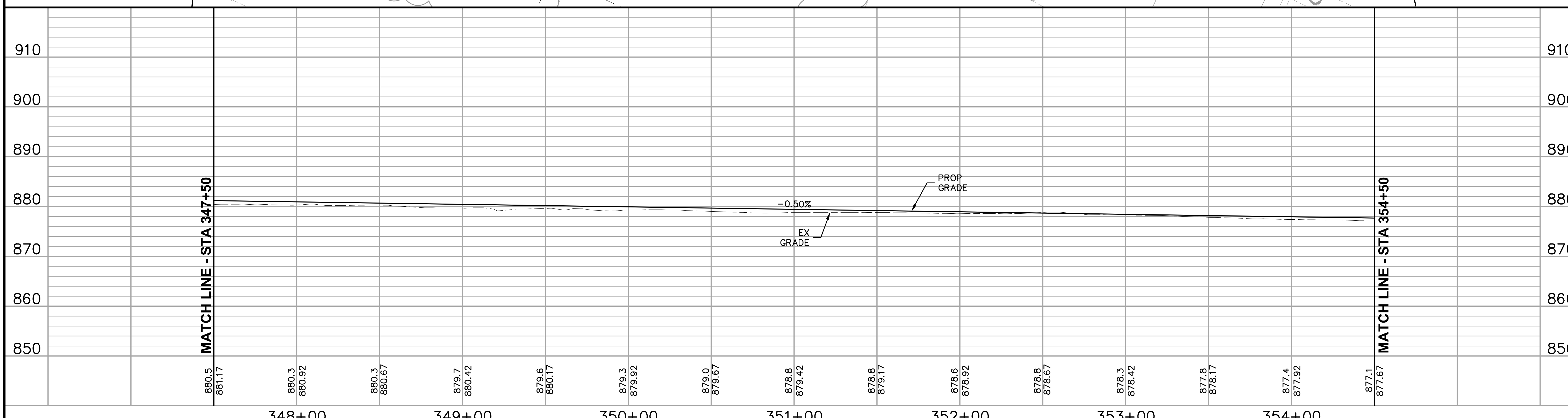
CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 340+52.04 TO STA 347+50

SOUTHWEST Green Line LRT Extension

DISCIPLINE: CIVIL

SHEET NAME: E3-TRL-PRF - 001





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

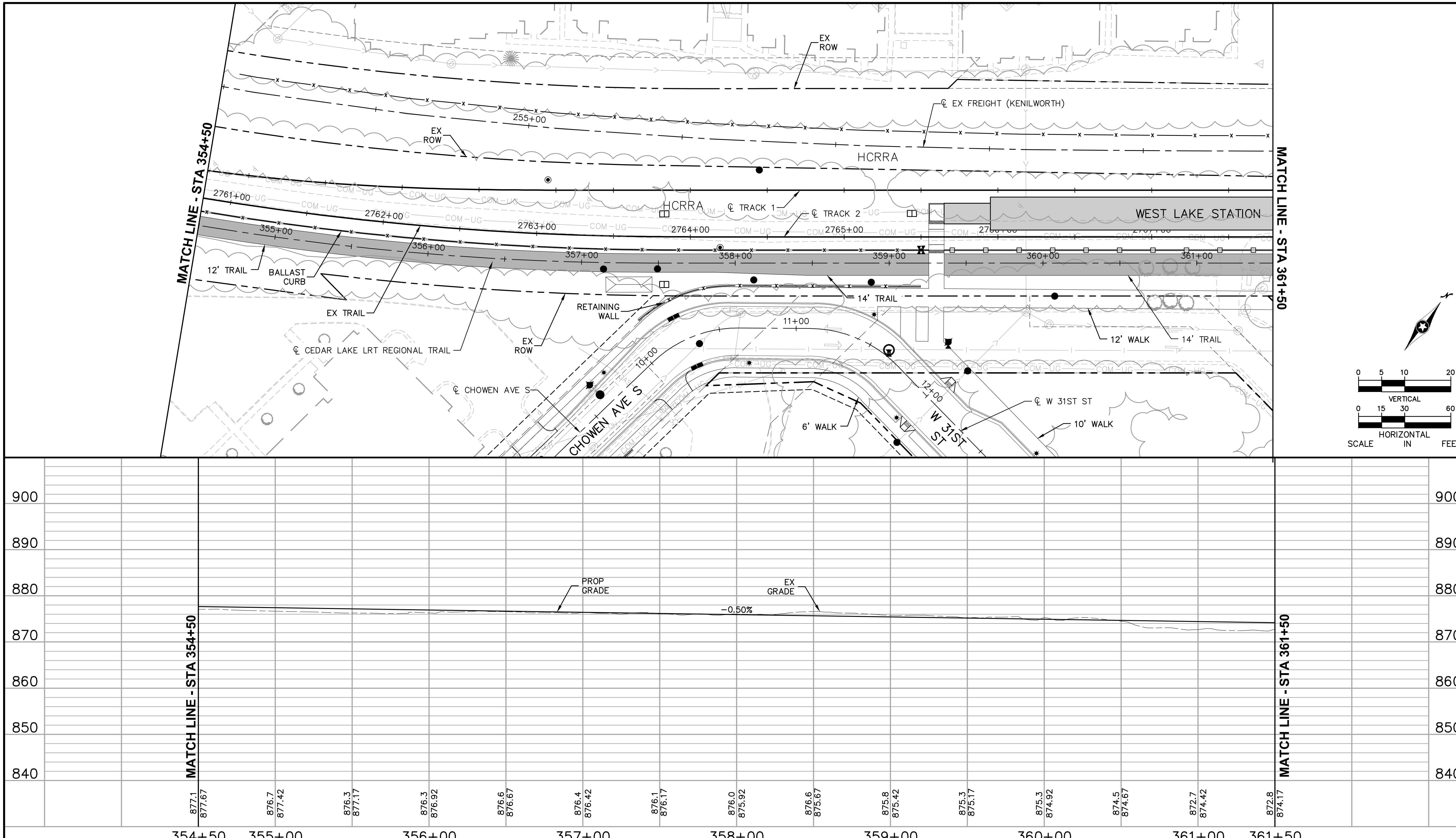
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 347+50 TO STA 354+50

DISCIPLINE: CIVIL

SHEET NAME: E3-TRL-PRF - 002



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

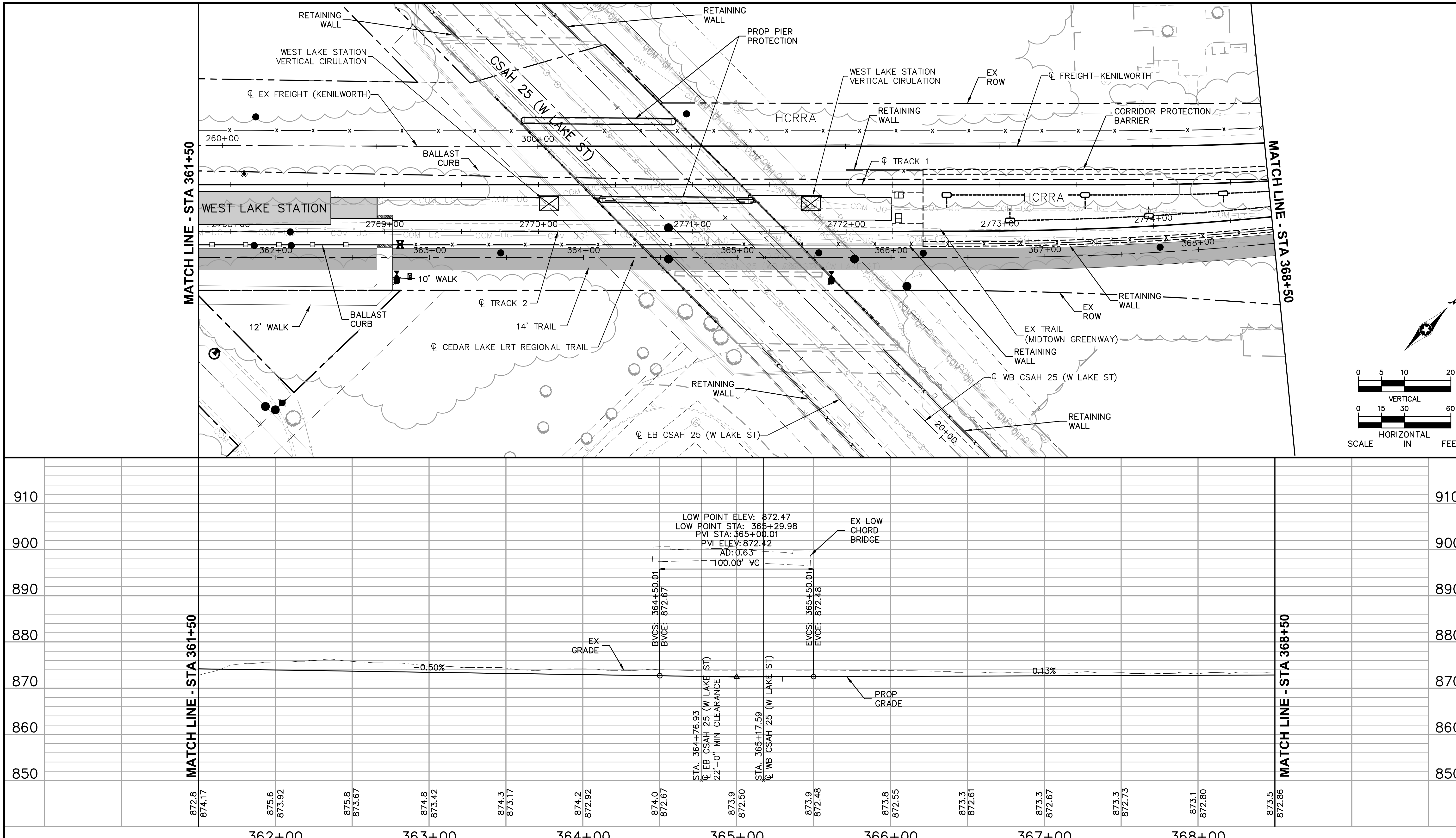
CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 354+50 TO STA 361+50

DISCIPLINE: CIVIL

SHEET NAME: E3-TRL-PRF - 003

SHEET 161 OF 199

Sep. 21 2015 07:01 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E3-TRL-PRF.dwg By: V-JohnsoWD



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 361+50 TO STA 368+50

DISCIPLINE: CIVIL

SHEET NAME: E3-TRL-PRF - 004

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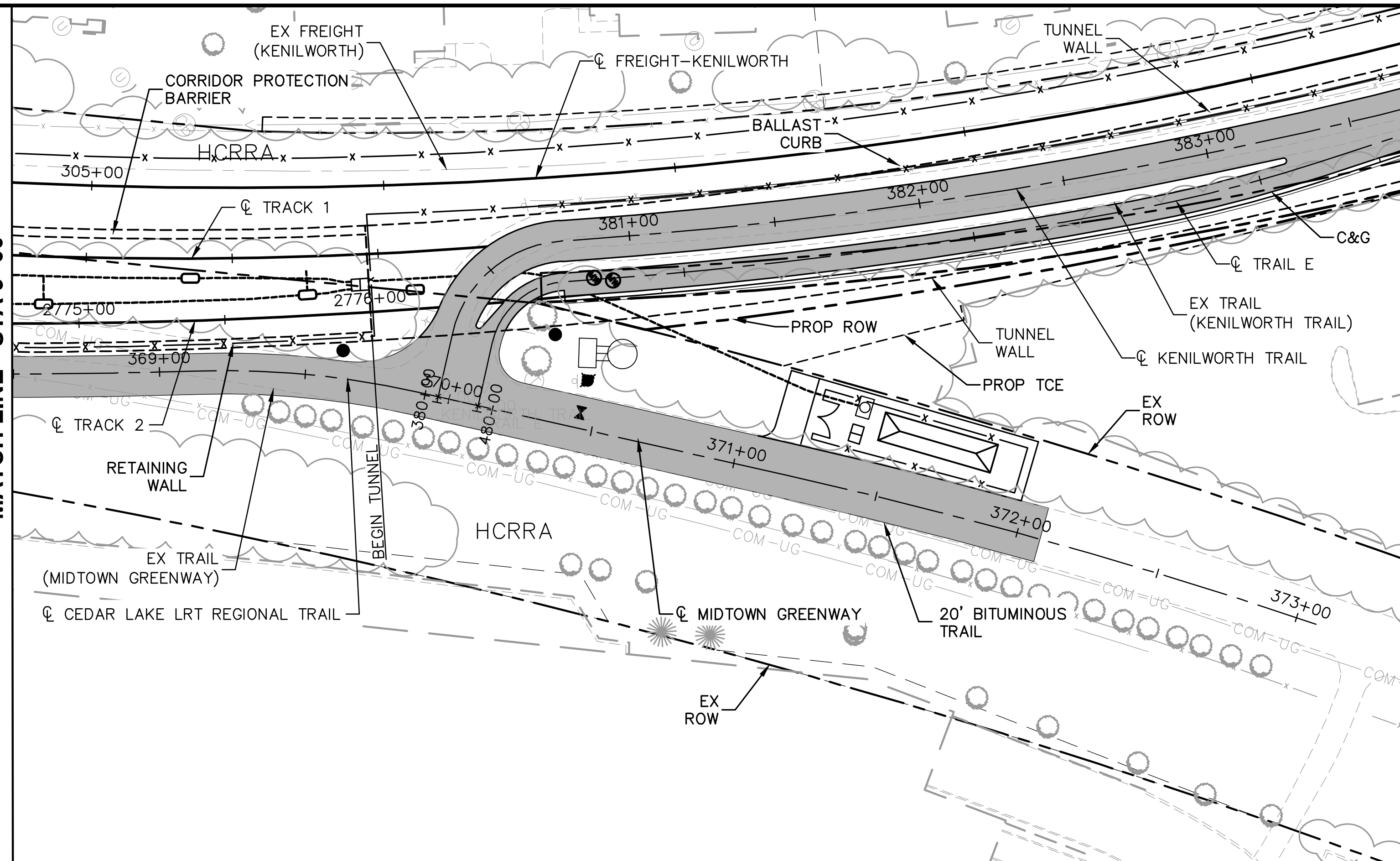

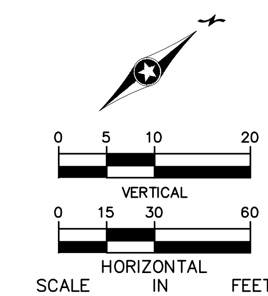

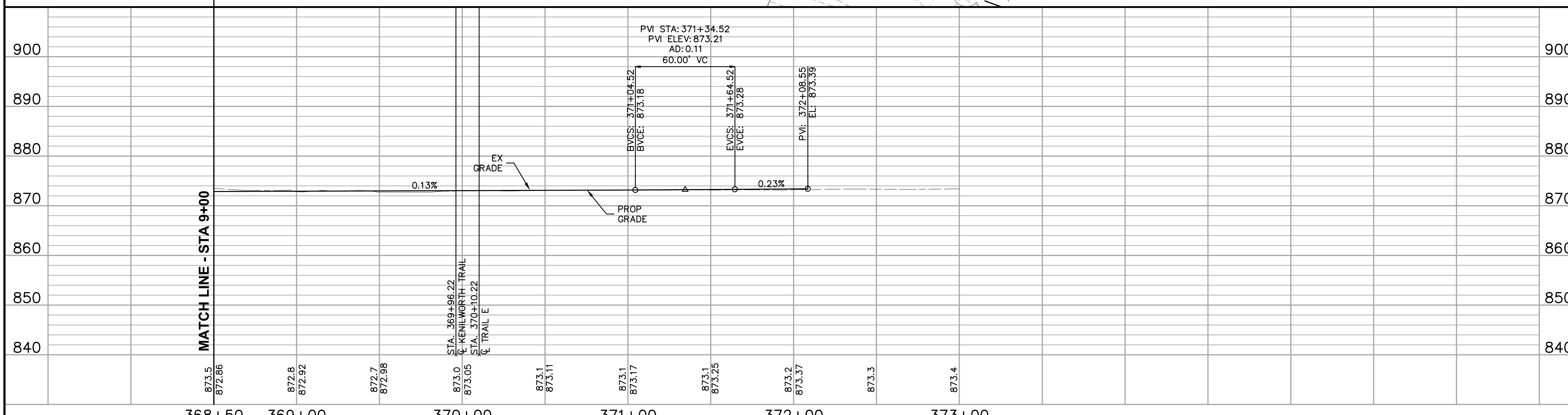

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE LRT REGIONAL TRAIL/ MIDTOWN GREENWAY PLAN AND PROFILE
STA 9+00 TO STA 11+77.06

DISCIPLINE: CIVIL

SHEET NAME: E3-TRL-PRF - 005

SHEET 163 OF 199

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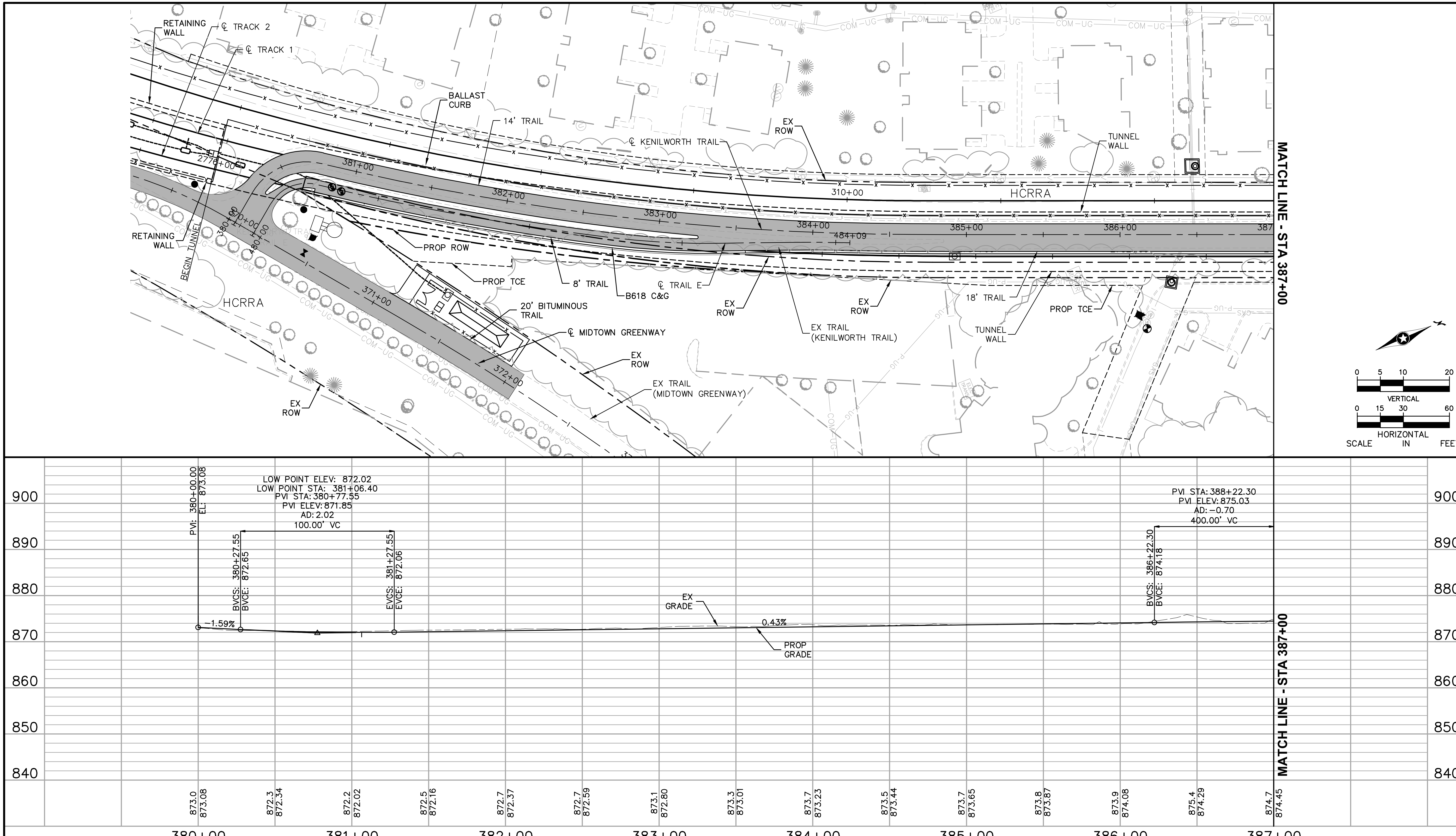


NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

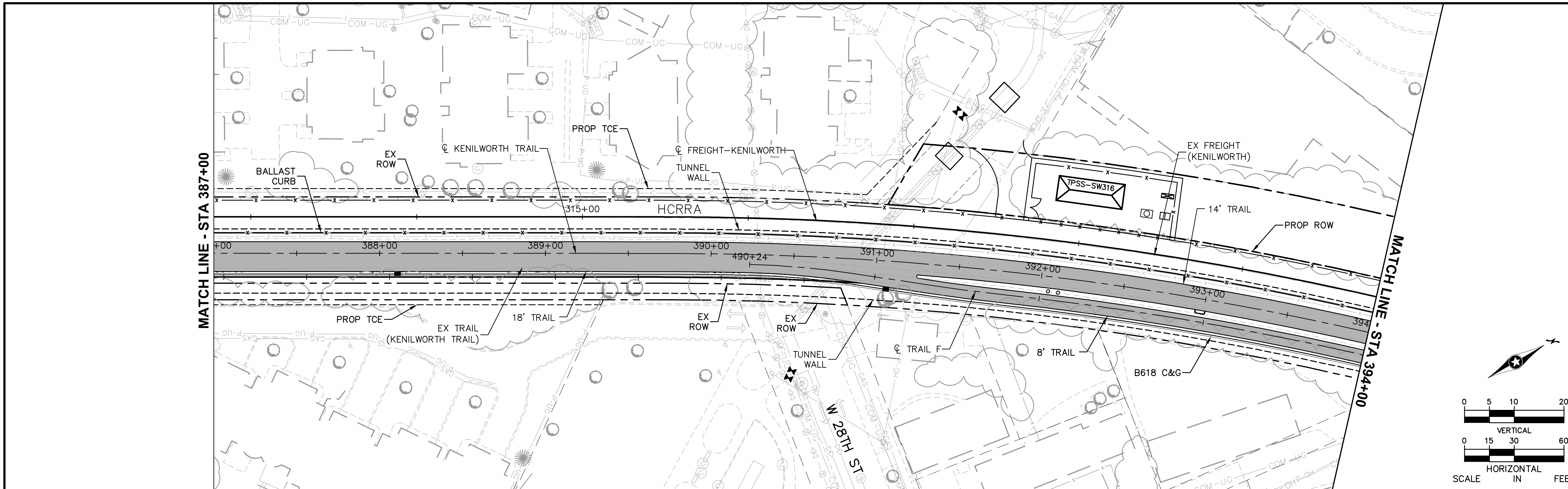
CIVIL EAST - VOLUME 2
KENILWORTH TRAIL
PLAN AND PROFILE
STA 380+00 TO STA 387+00

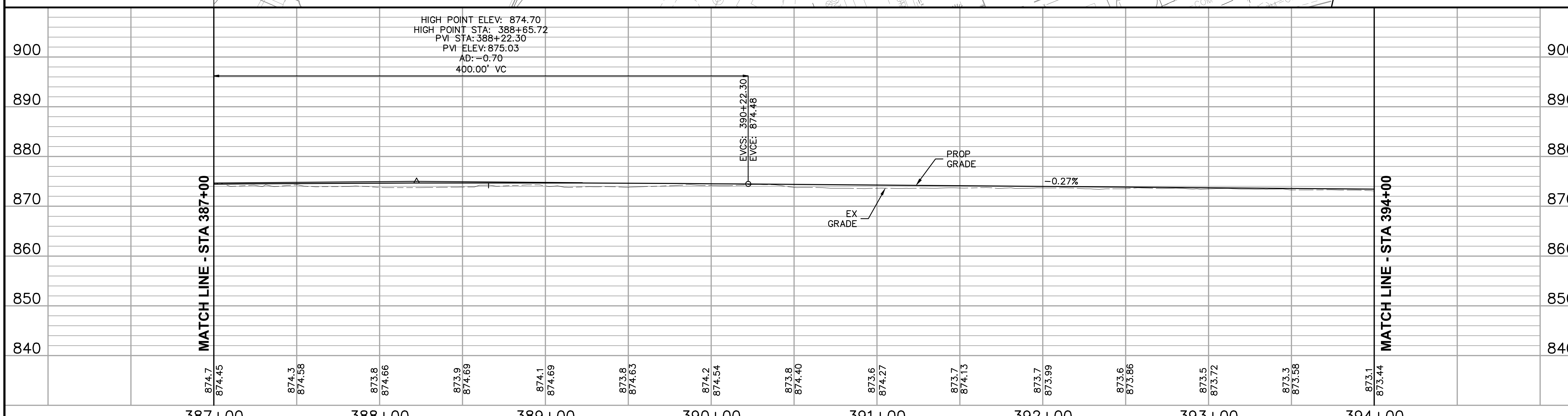
DISCIPLINE: CIVIL

SHEET NAME: E3-TRL-PRF - 006

SHEET 164 OF 199

Sep. 21 2015 07:04 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E3-TRL-PRF.dwg By: V-JohnsoWD





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
KENILWORTH TRAIL
PLAN AND PROFILE
STA 387+00 TO STA 394+00

DISCIPLINE: CIVIL

SHEET NAME: E3-TRL-PRF - 007

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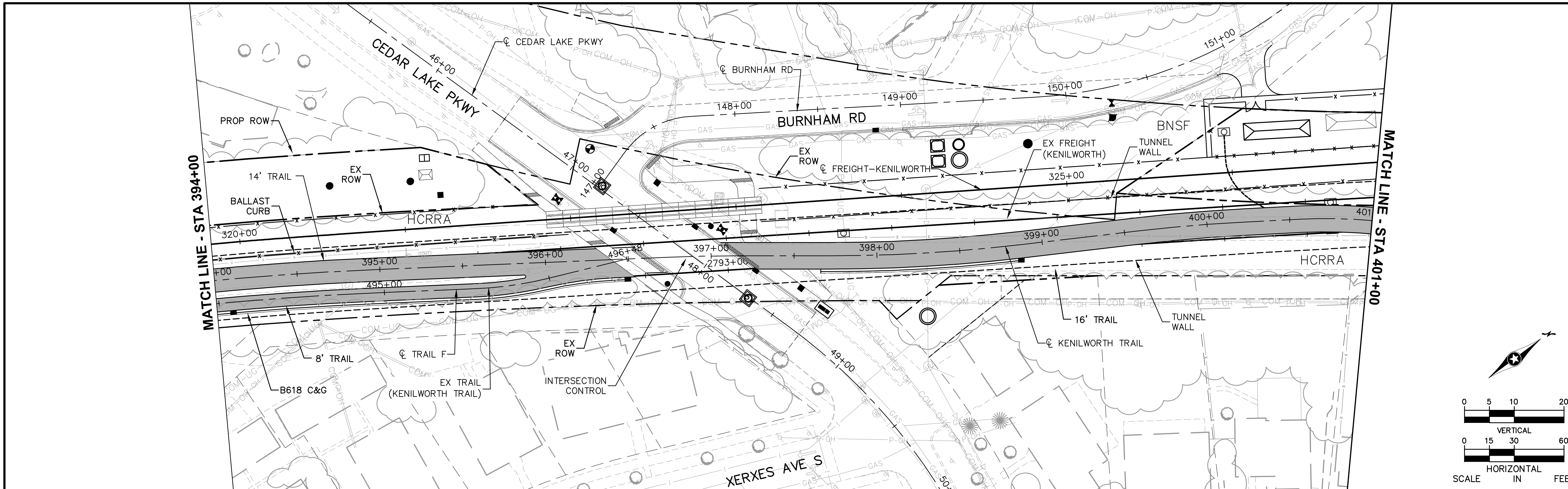
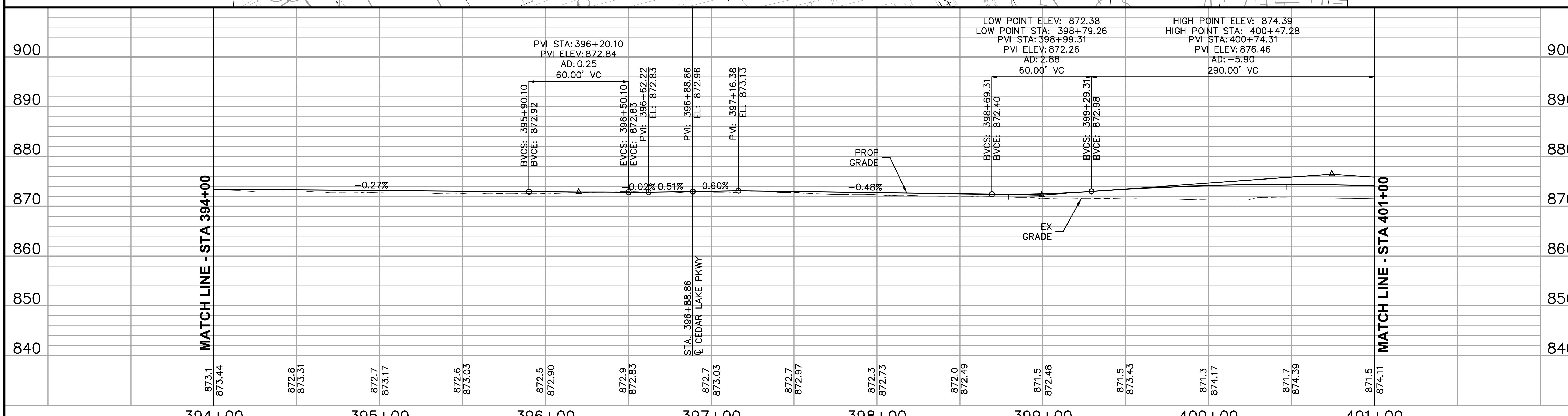




NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

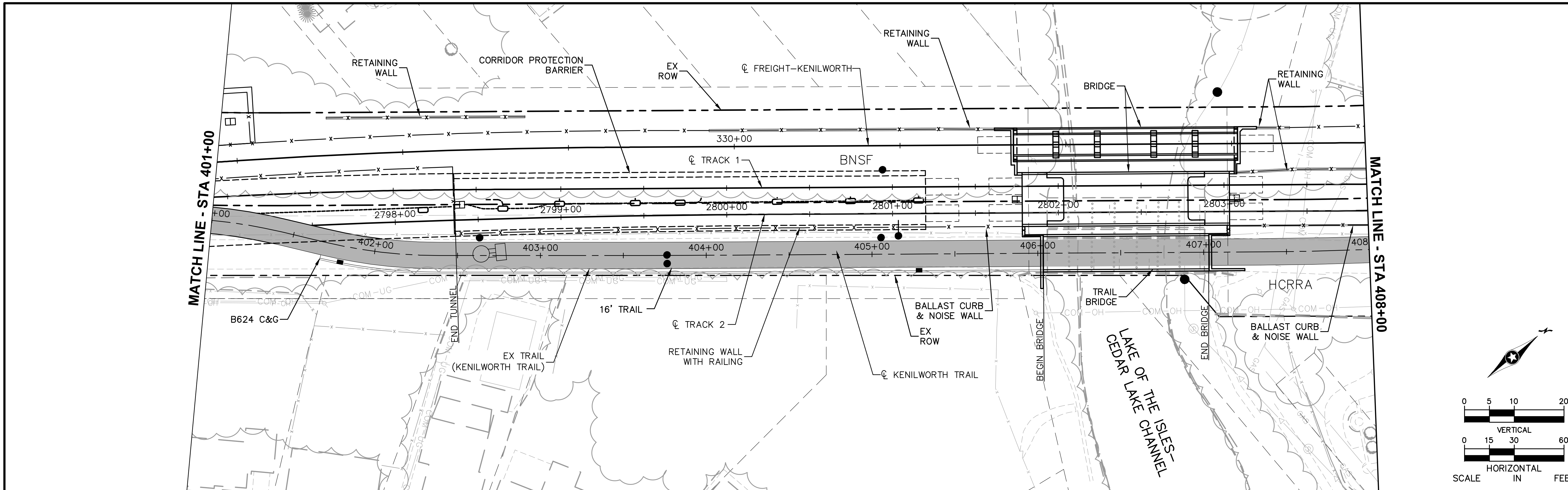
CIVIL EAST - VOLUME 2
KENILWORTH TRAIL
PLAN AND PROFILE
STA 394+00 TO STA 401+00

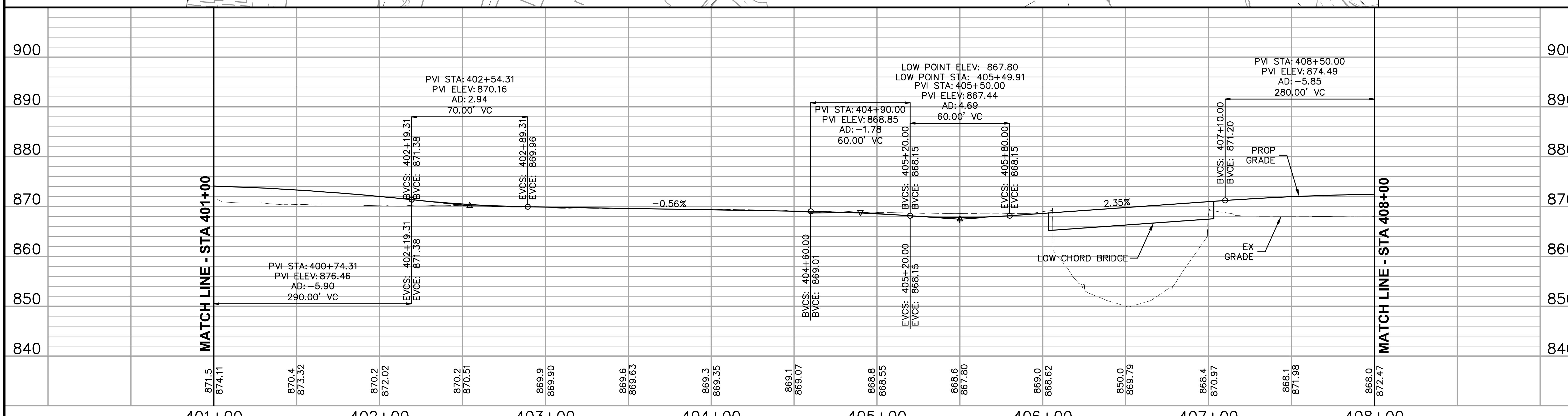
DISCIPLINE: CIVIL

SHEET NAME: E3-TRL-PRF - 008

SHEET 166 OF 199

Sep. 21 2015 07:06 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E3-TRL-PRF.dwg By: V-JohnsoWD





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

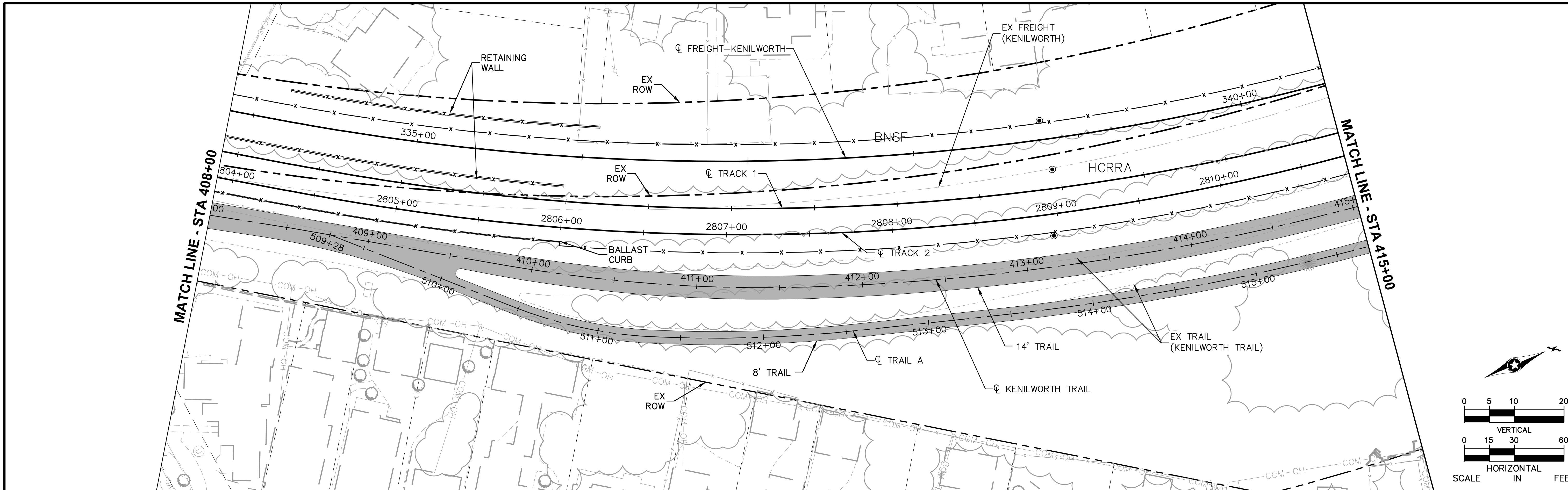
CIVIL EAST - VOLUME 2
KENILWORTH TRAIL
PLAN AND PROFILE
STA 401+00 TO STA 408+00

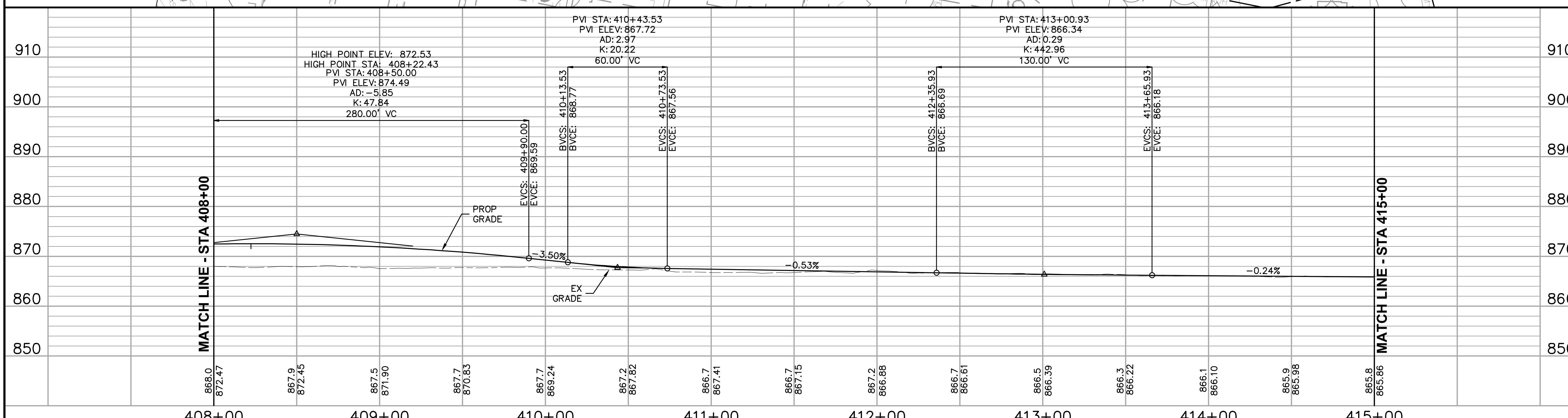
DISCIPLINE: CIVIL

SHEET NAME: E3-TRL-PRF - 009

SHEET 167 OF 199

Sep. 21 2015 07:07 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E3-TRL-PRF.dwg By: V-JohnsoWD





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

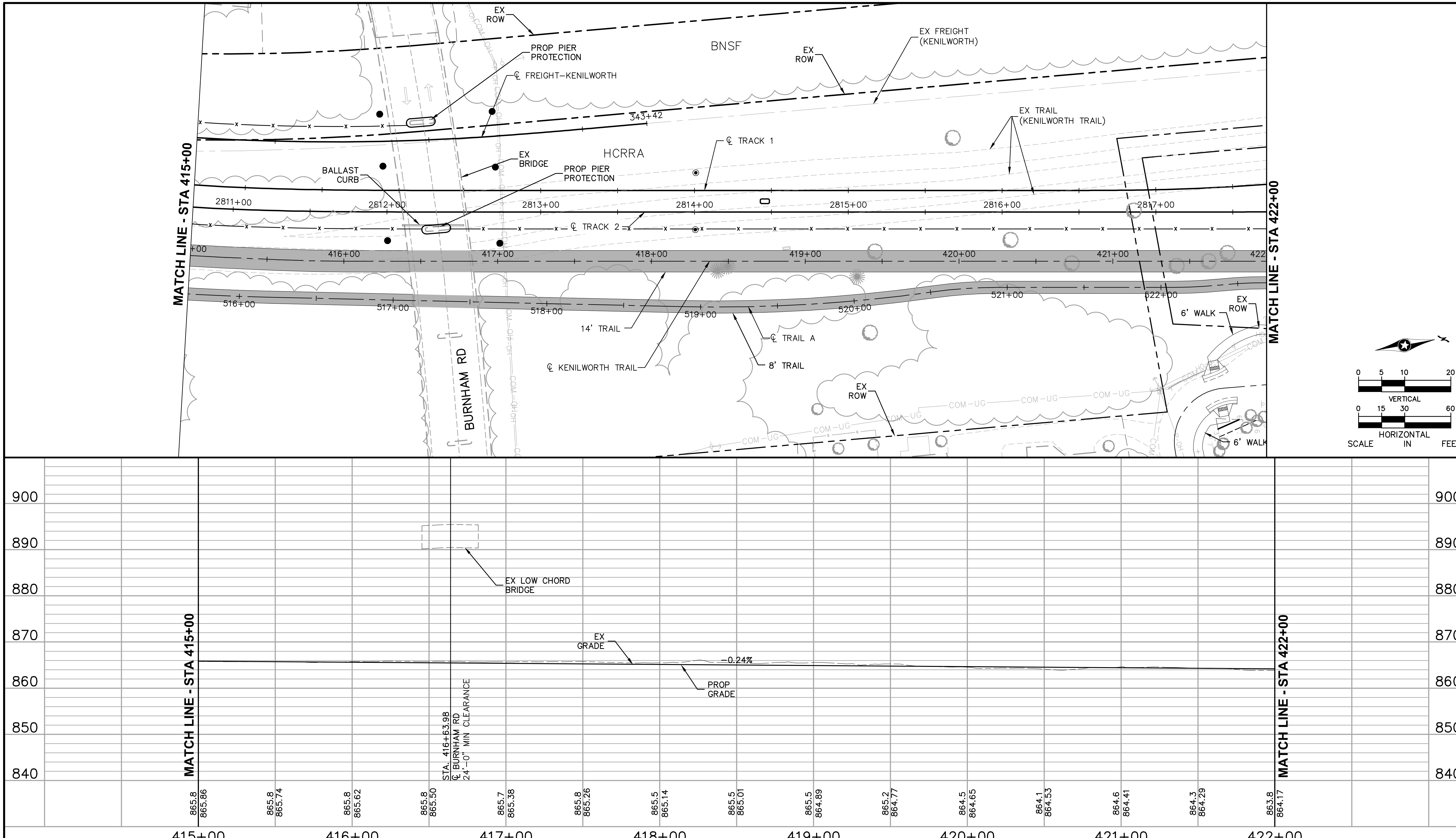
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
KENILWORTH TRAIL
PLAN AND PROFILE
STA 408+00 TO STA 415+00

DISCIPLINE: CIVIL

SHEET NAME: E3-TRL-PRF - 010

SHEET 168 OF 199



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

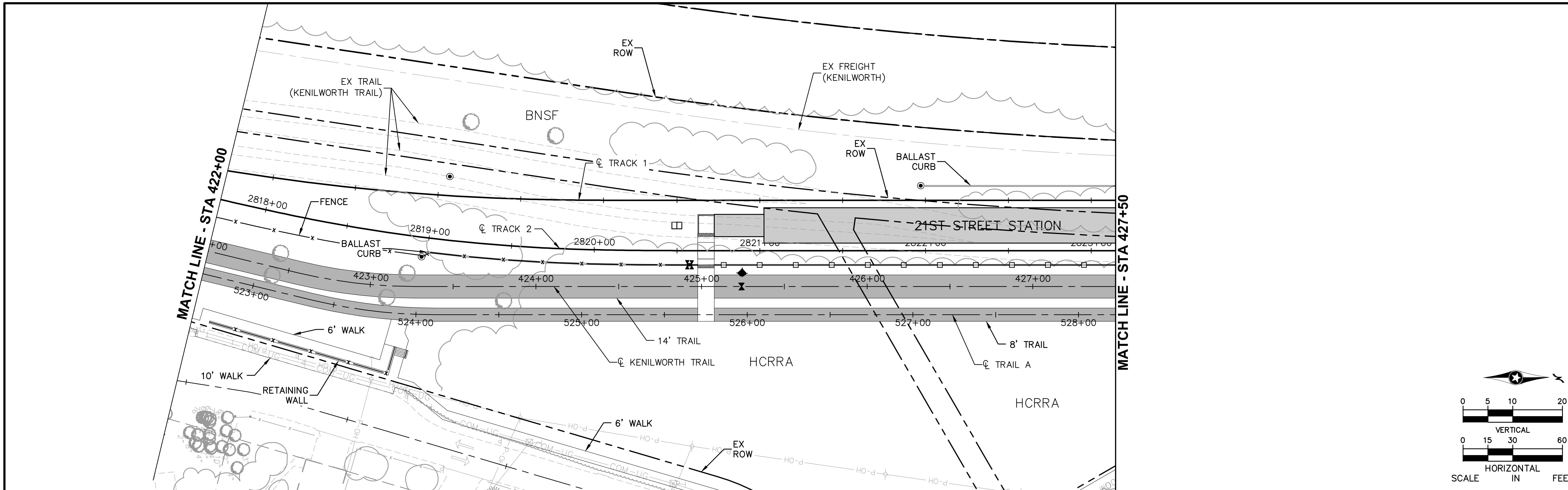
CIVIL EAST - VOLUME 2
KENILWORTH TRAIL
PLAN AND PROFILE
STA 415+00 TO STA 422+00

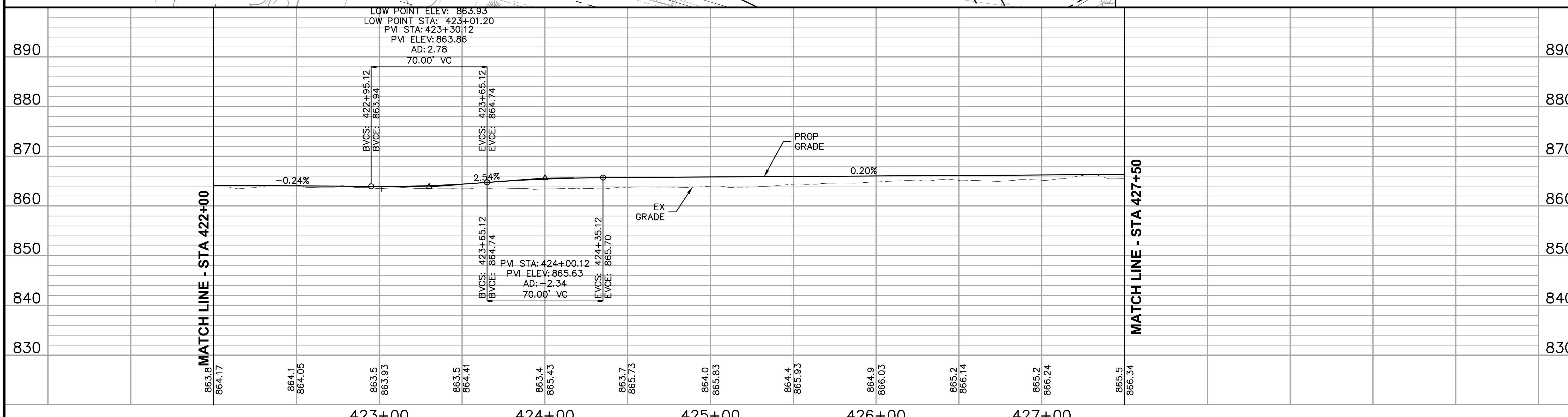
DISCIPLINE: CIVIL

SHEET NAME: E3-TRL-PRF - 011

SHEET 169 OF 199

Sep. 21 2015 07:09 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E3-TRL-PRF.dwg By: V-JohnsoWD





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

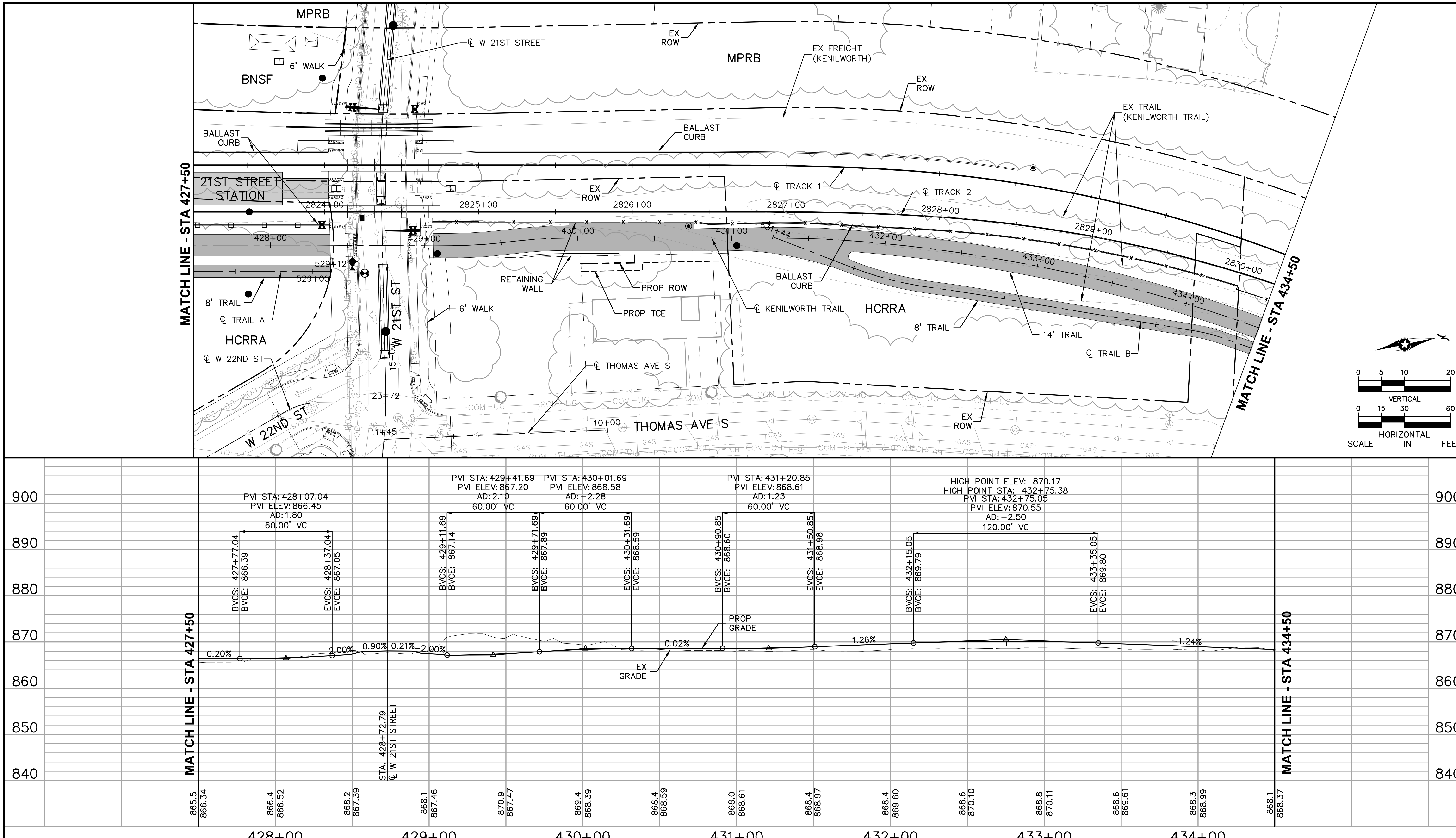
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
KENILWORTH TRAIL
PLAN AND PROFILE
STA 422+00 TO STA 427+50

DISCIPLINE: CIVIL

SHEET NAME: E3-TRL-PRF - 012



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

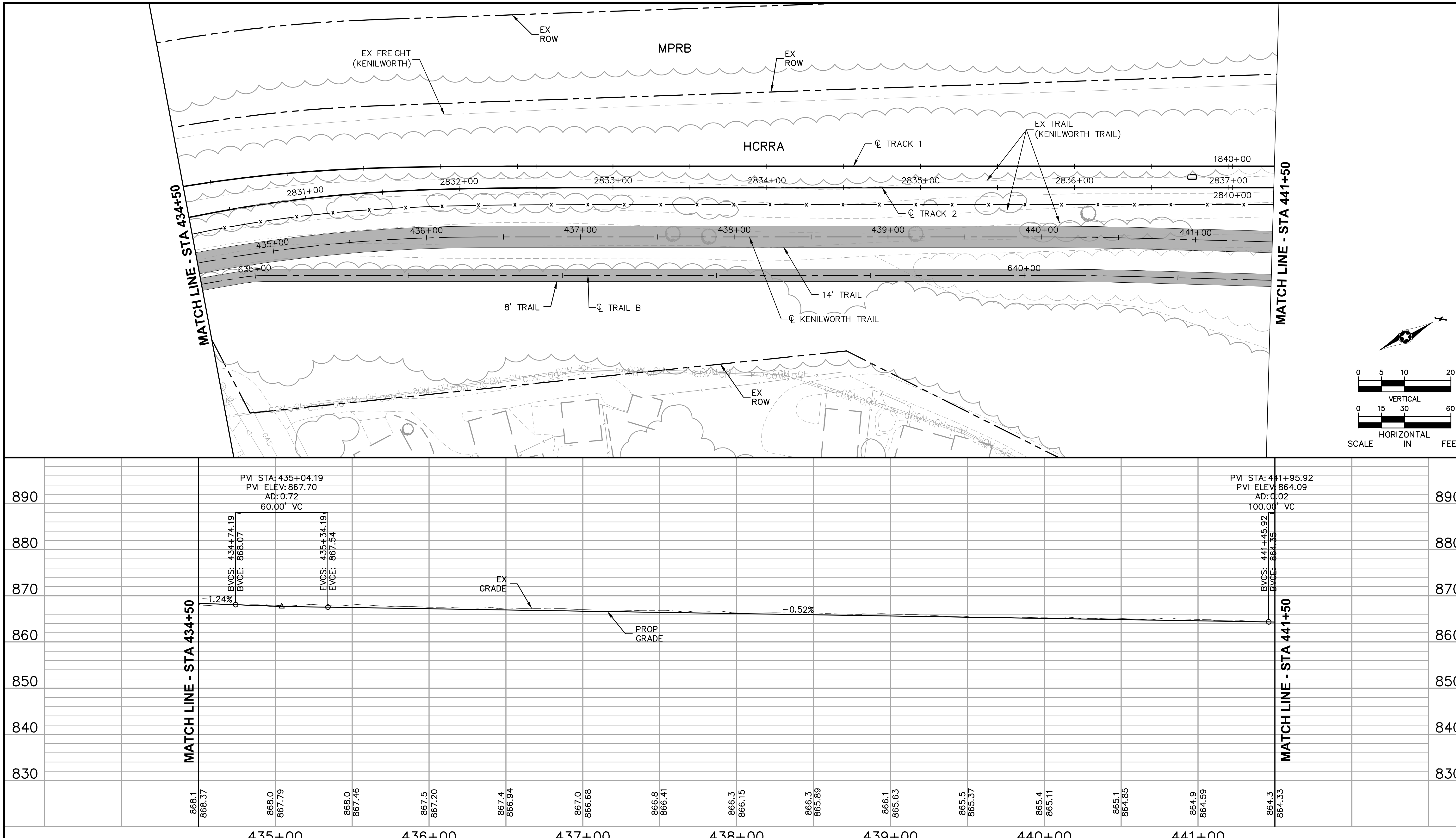
CIVIL EAST - VOLUME 2
KENILWORTH TRAIL
PLAN AND PROFILE
STA 427+50 TO STA 434+50

DISCIPLINE: CIVIL

SHEET NAME: E3-TRL-PRF - 013

SHEET 171 OF 199

Sep. 21 2015 07:11 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E3-TRL-PRF.dwg By: V-JohnsoWD



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

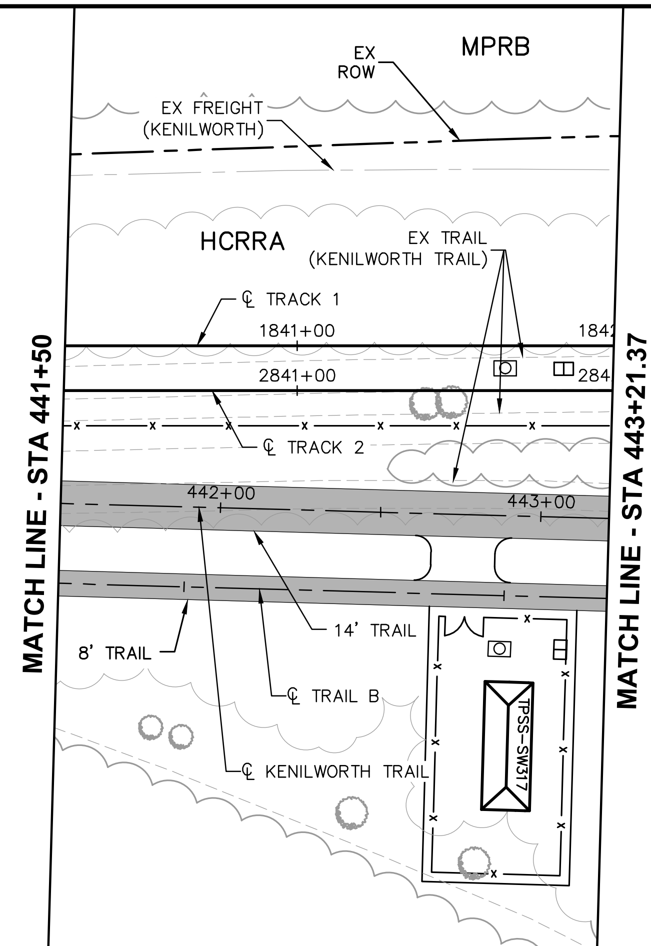
CIVIL EAST - VOLUME 2
KENILWORTH TRAIL
PLAN AND PROFILE
STA 434+50 TO STA 441+50

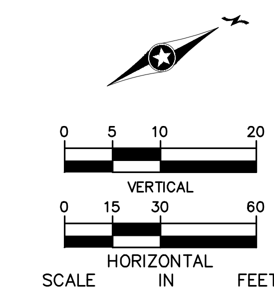
DISCIPLINE: CIVIL

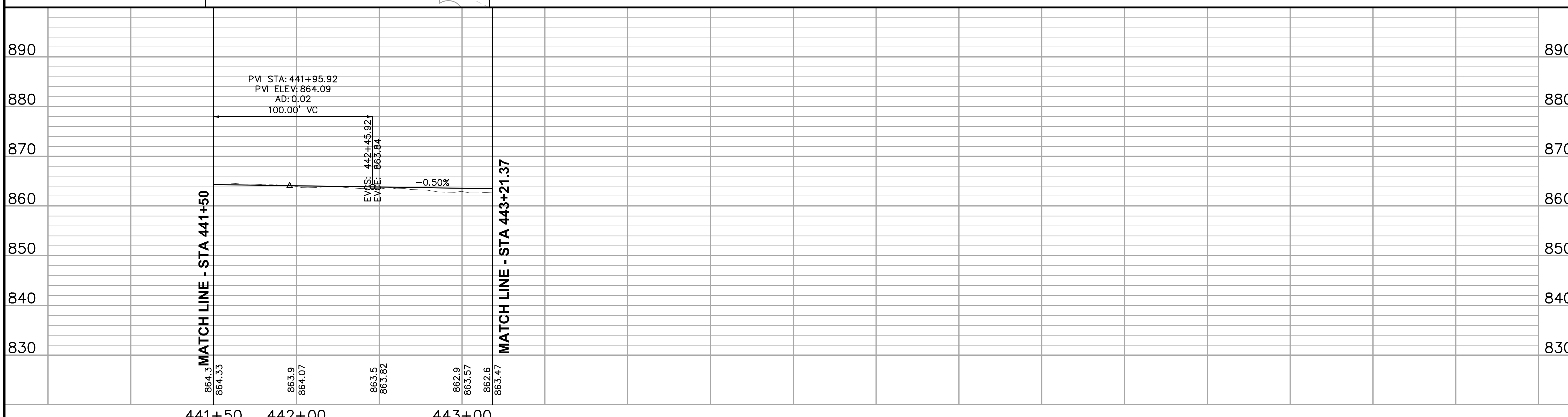
SHEET NAME: E3-TRL-PRF - 014

SHEET 172 OF 199

Sep. 21 2015 07:12 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E3-TRL-PRF.dwg By: V-JohnsoWD







NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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60% SUBMISSION - 09/28/15

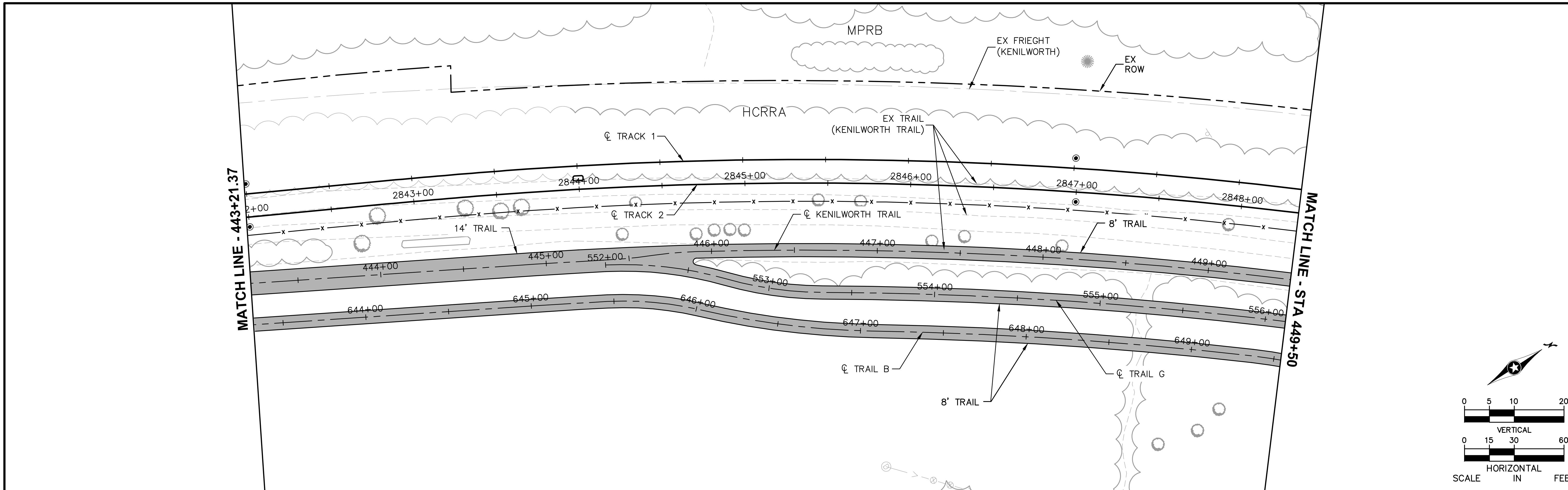
METROPOLITAN COUNCIL

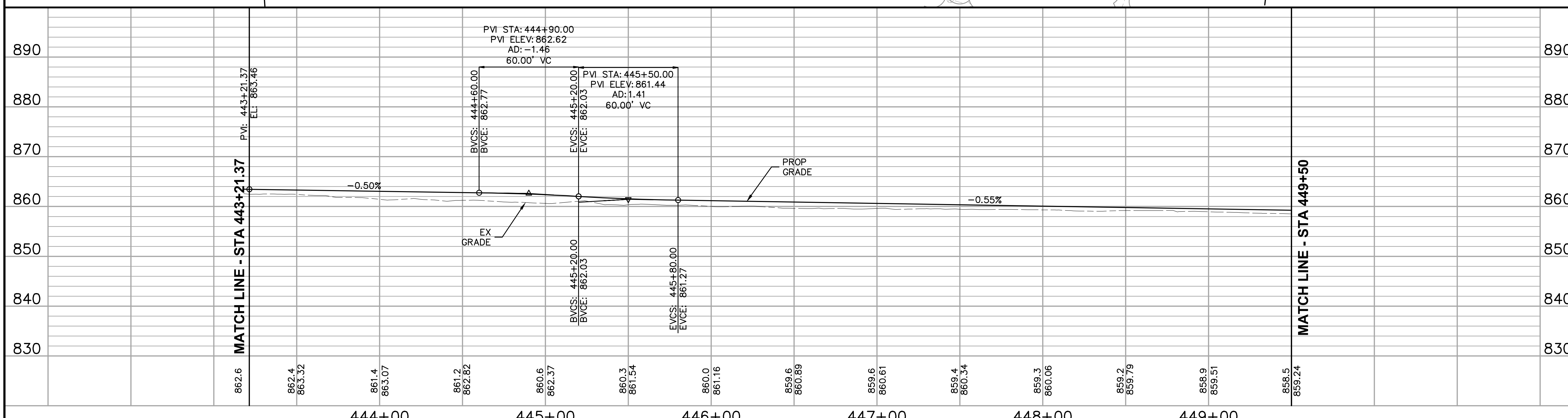
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
KENILWORTH TRAIL
PLAN AND PROFILE
STA 441+50 TO STA 443+21.37

DISCIPLINE: CIVIL

SHEET NAME: E3-TRL-PRF - 015





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

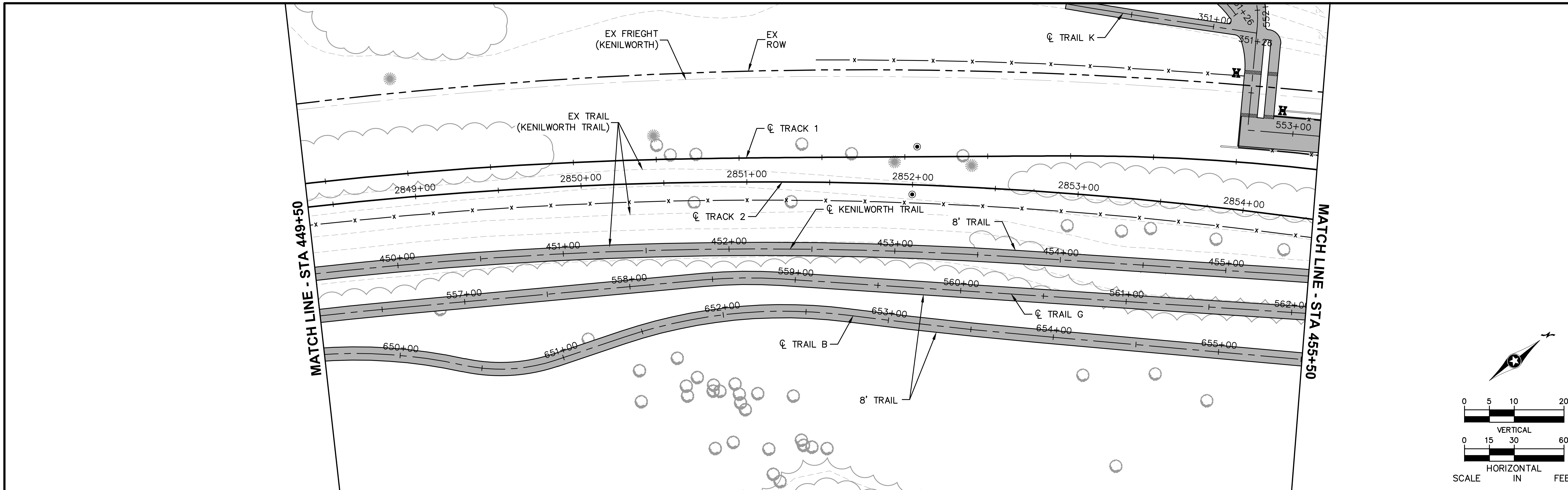
METROPOLITAN COUNCIL

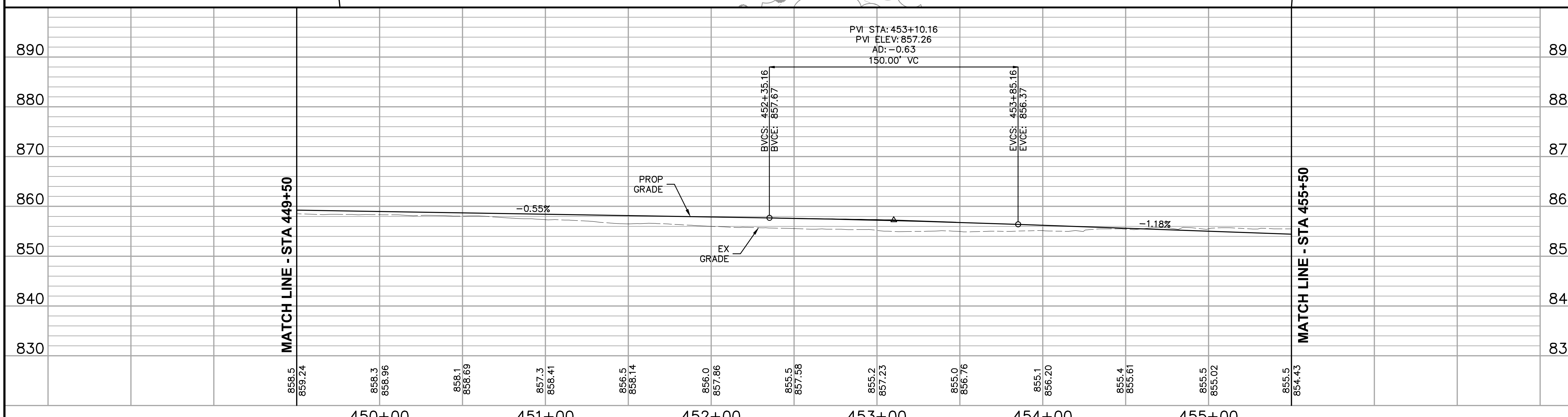
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
KENILWORTH TRAIL
PLAN AND PROFILE
STA 443+21.37 TO STA 449+50

DISCIPLINE: CIVIL

SHEET NAME: E4-TRL-PRF - 001





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

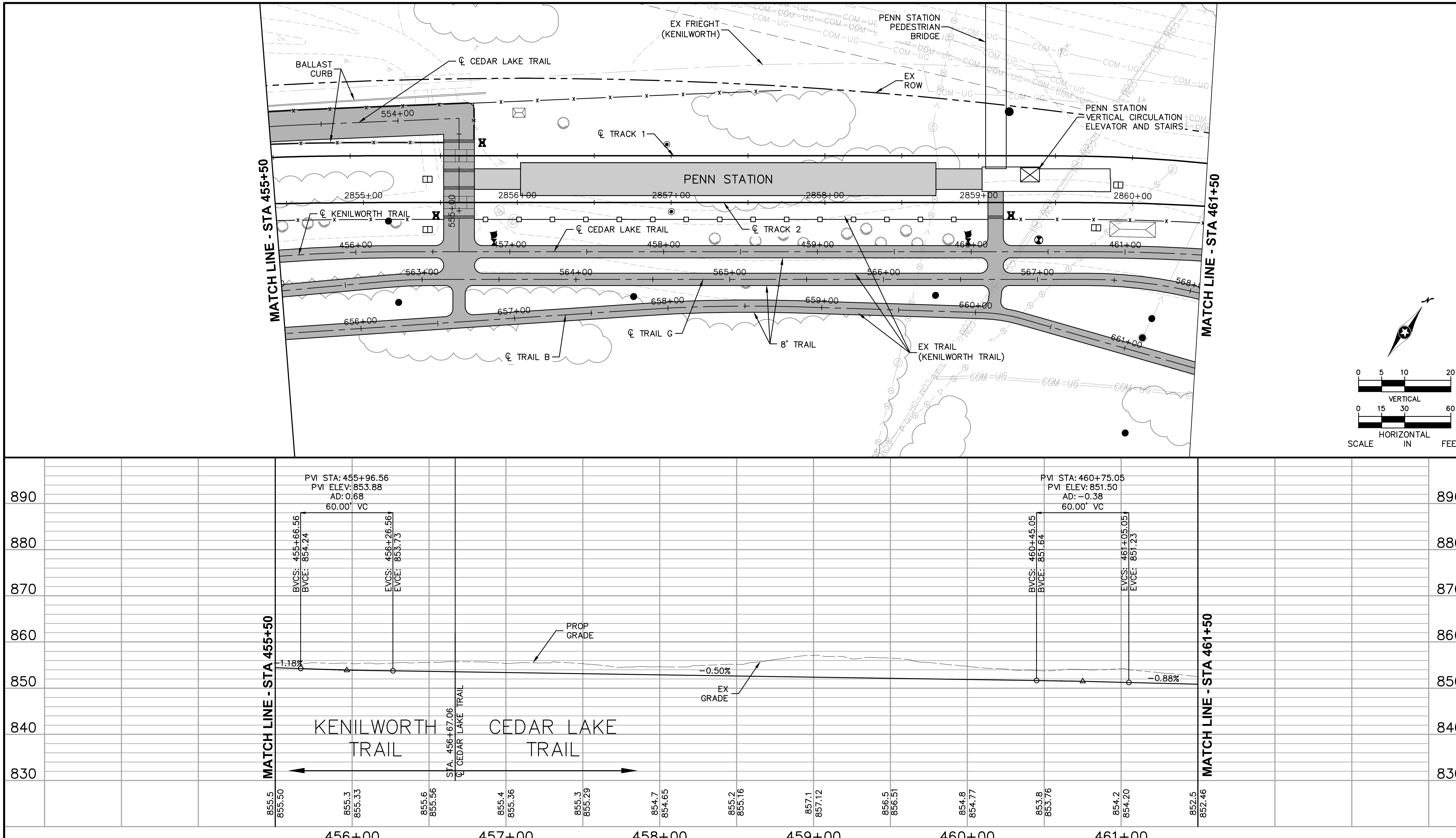
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
KENILWORTH TRAIL
PLAN AND PROFILE
STA 449+50 TO STA 455+50

DISCIPLINE: CIVIL

SHEET NAME: E4-TRL-PRF - 002



Sep. 21 2015 07:19 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E4-TRL-PRF.dwg By: V-JohnsoWD

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

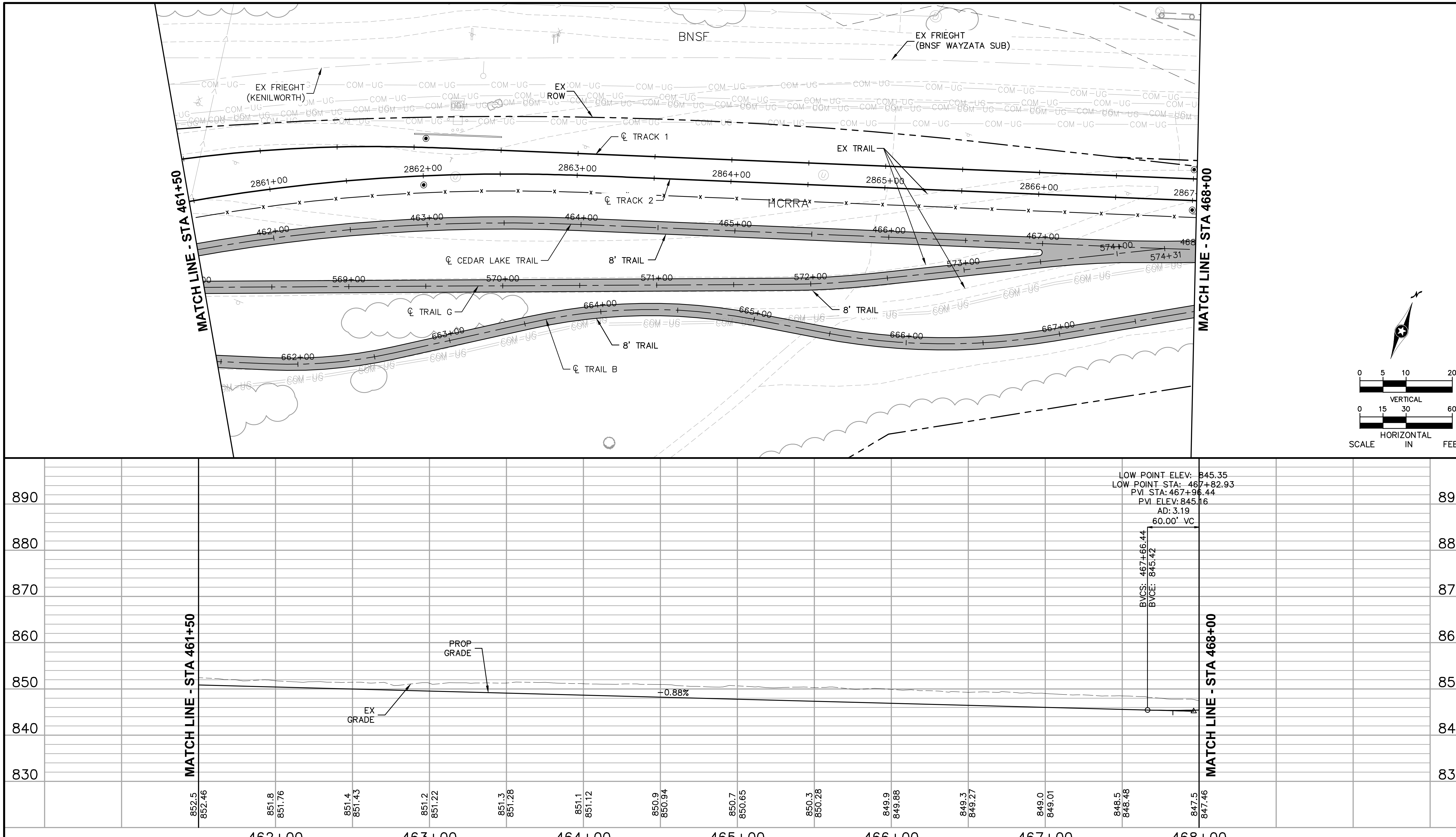
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
KENILWORTH TRAIL/CEDAR LAKE TRAIL PLAN AND PROFILE
STA 455+50 TO STA 461+50

DISCIPLINE: CIVIL

SHEET NAME: E4-TRL-PRF - 003

SHEET 176 OF 199



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

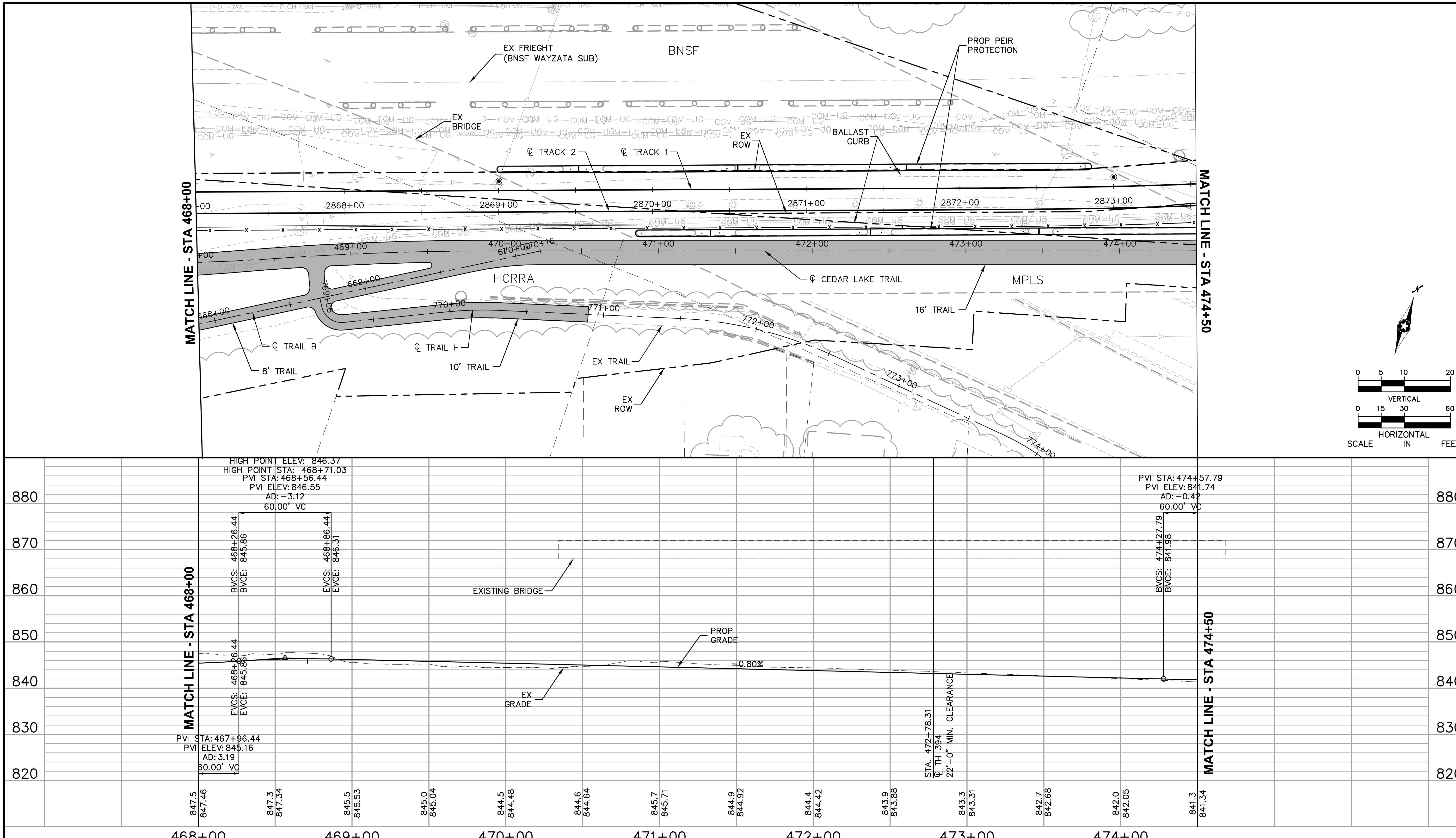
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE TRAIL
PLAN AND PROFILE
STA 461+50 TO STA 468+00

DISCIPLINE: CIVIL

SHEET NAME: E4-TRL-PRF - 004

SHEET 177 OF 199



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

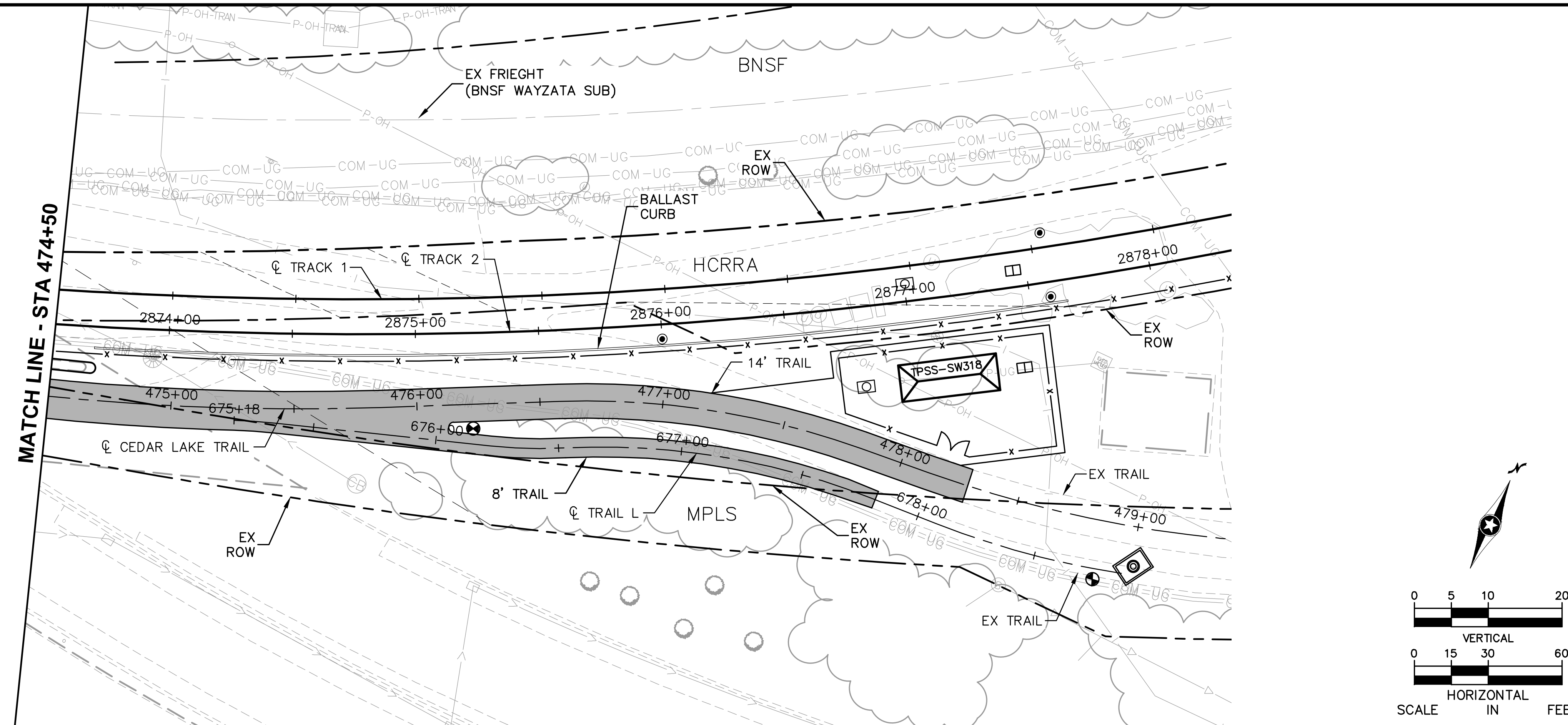
CIVIL EAST - VOLUME 2
CEDAR LAKE TRAIL
PLAN AND PROFILE
STA 468+00 TO STA 474+50

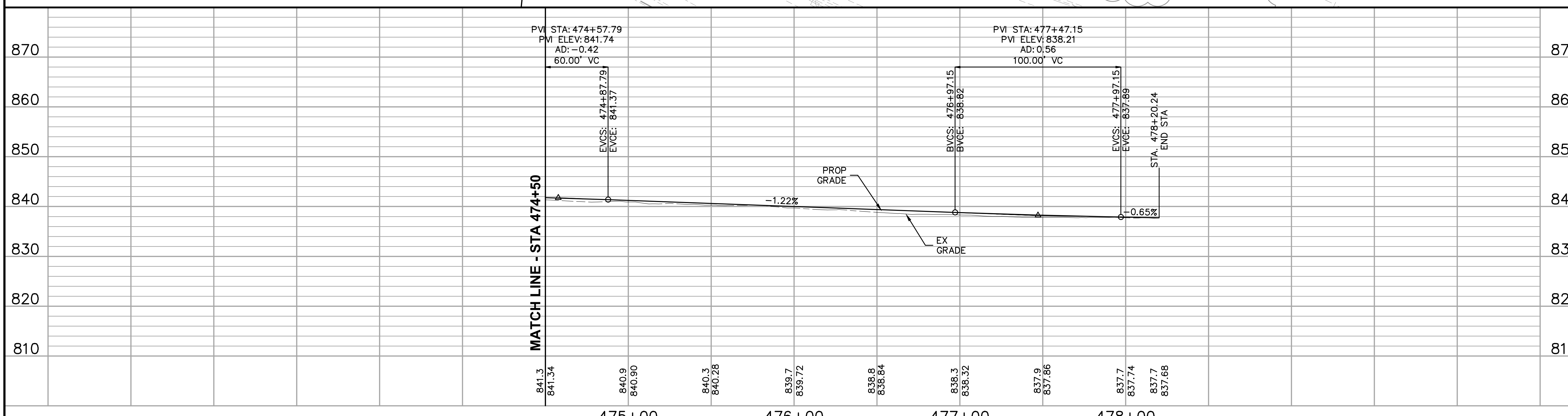
DISCIPLINE: CIVIL

SHEET NAME: E4-TRL-PRF - 005

SHEET 178 OF 199

Sep. 21 2015 07:21 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E4-TRL-PRF.dwg By: V-JohnsoWD





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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

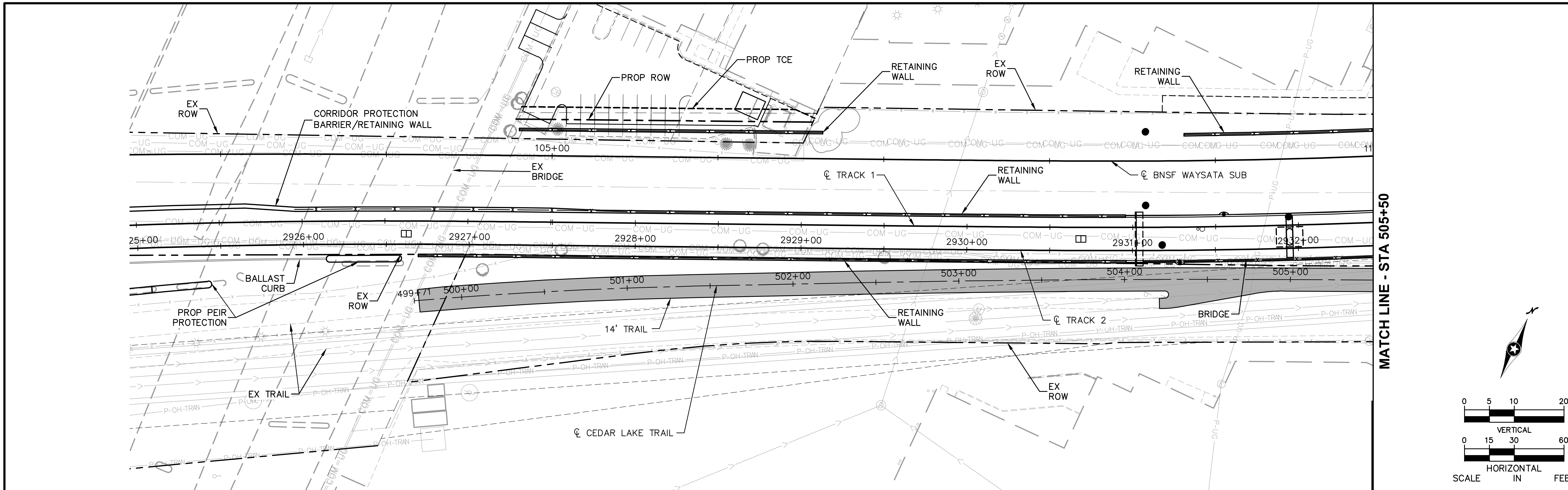
SOUTHWEST Green Line LRT Extension

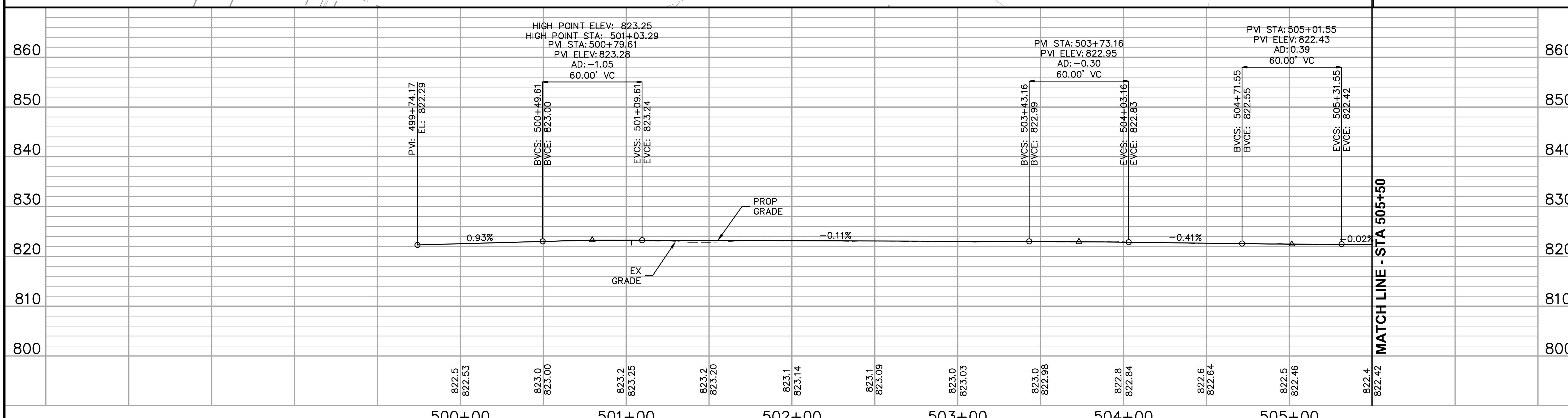
CIVIL EAST - VOLUME 2
CEDAR LAKE TRAIL
PLAN AND PROFILE
STA 474+50 TO STA 478+28.66

DISCIPLINE: CIVIL

SHEET NAME: E4-TRL-PRF - 006

SHEET 179 OF 199





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

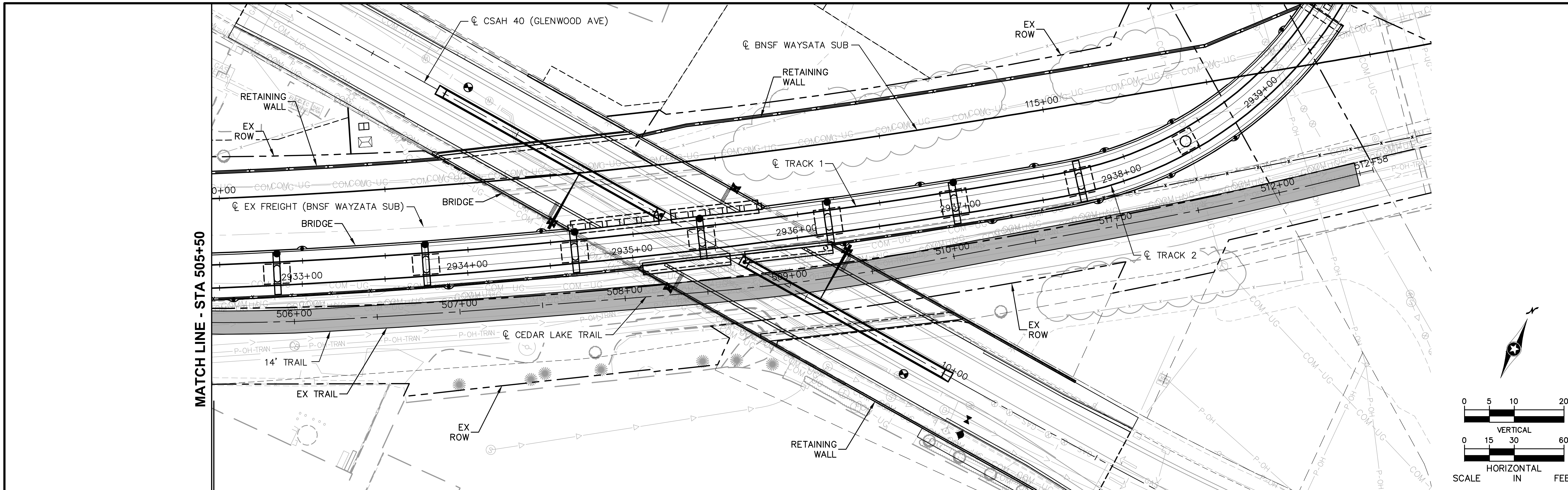
METROPOLITAN COUNCIL

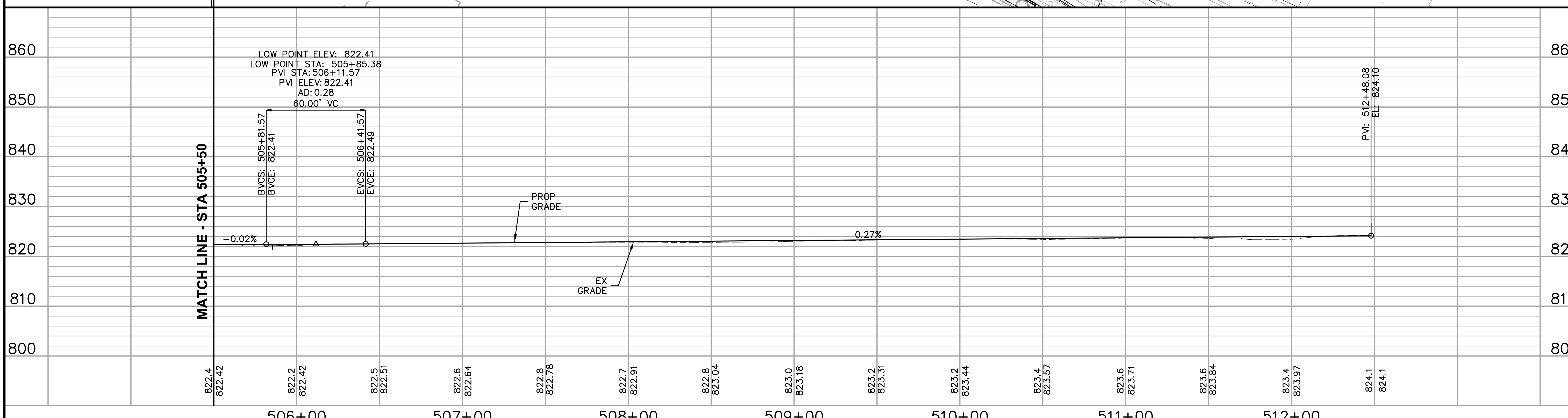
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE TRAIL
PLAN AND PROFILE
STA 449+71 TO STA 505+50

DISCIPLINE: CIVIL

SHEET NAME: E4-TRL-PRF - 007





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE TRAIL
PLAN AND PROFILE
STA 505+50 TO STA 512+58.19

DISCIPLINE: CIVIL

SHEET NAME: E4-TRL-PRF - 008

SHEET 181 OF 199

Sep. 21 2015 07:23 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E4-TRL-PRF.dwg By: V-JohnsoWD

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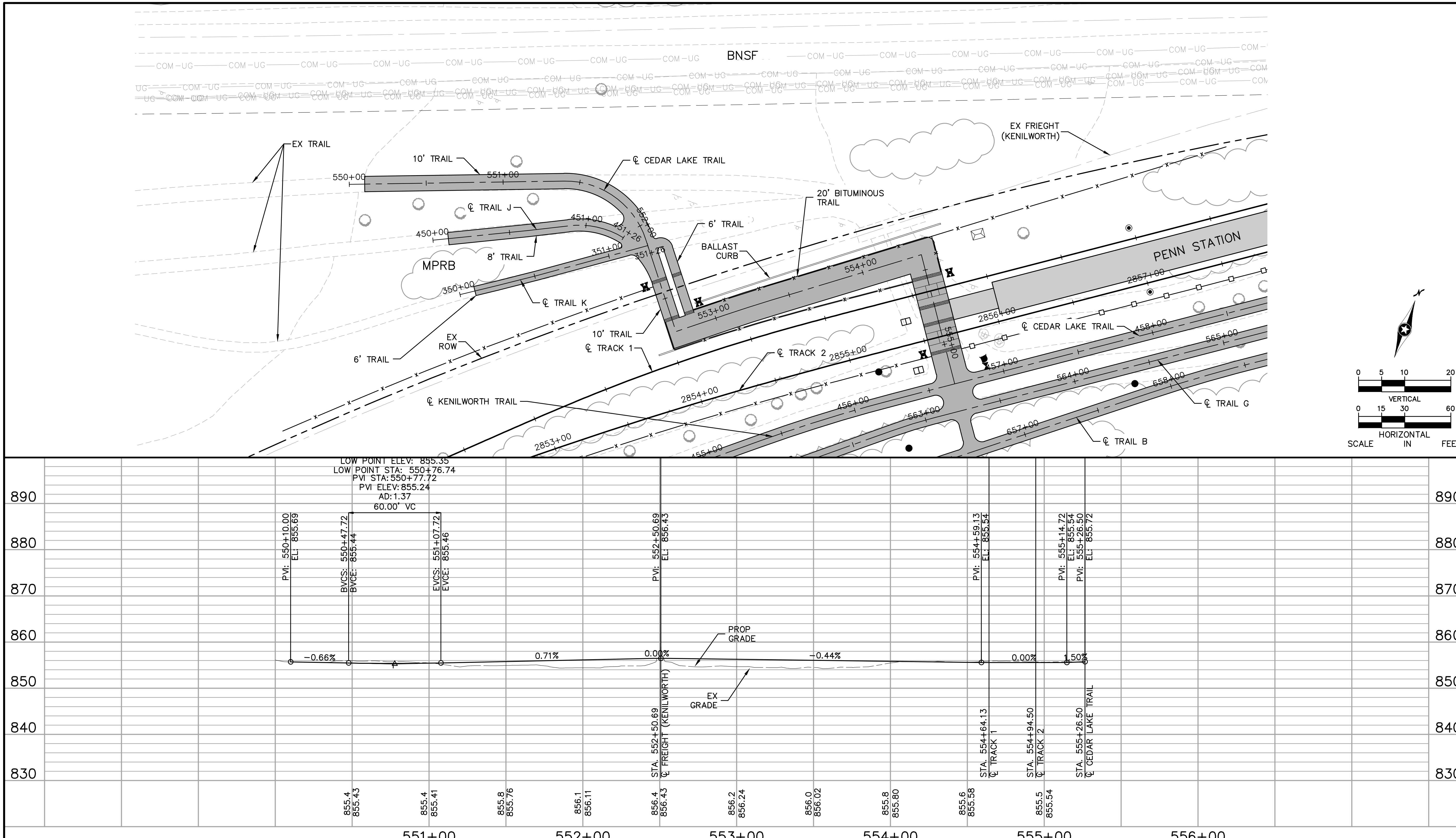


NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

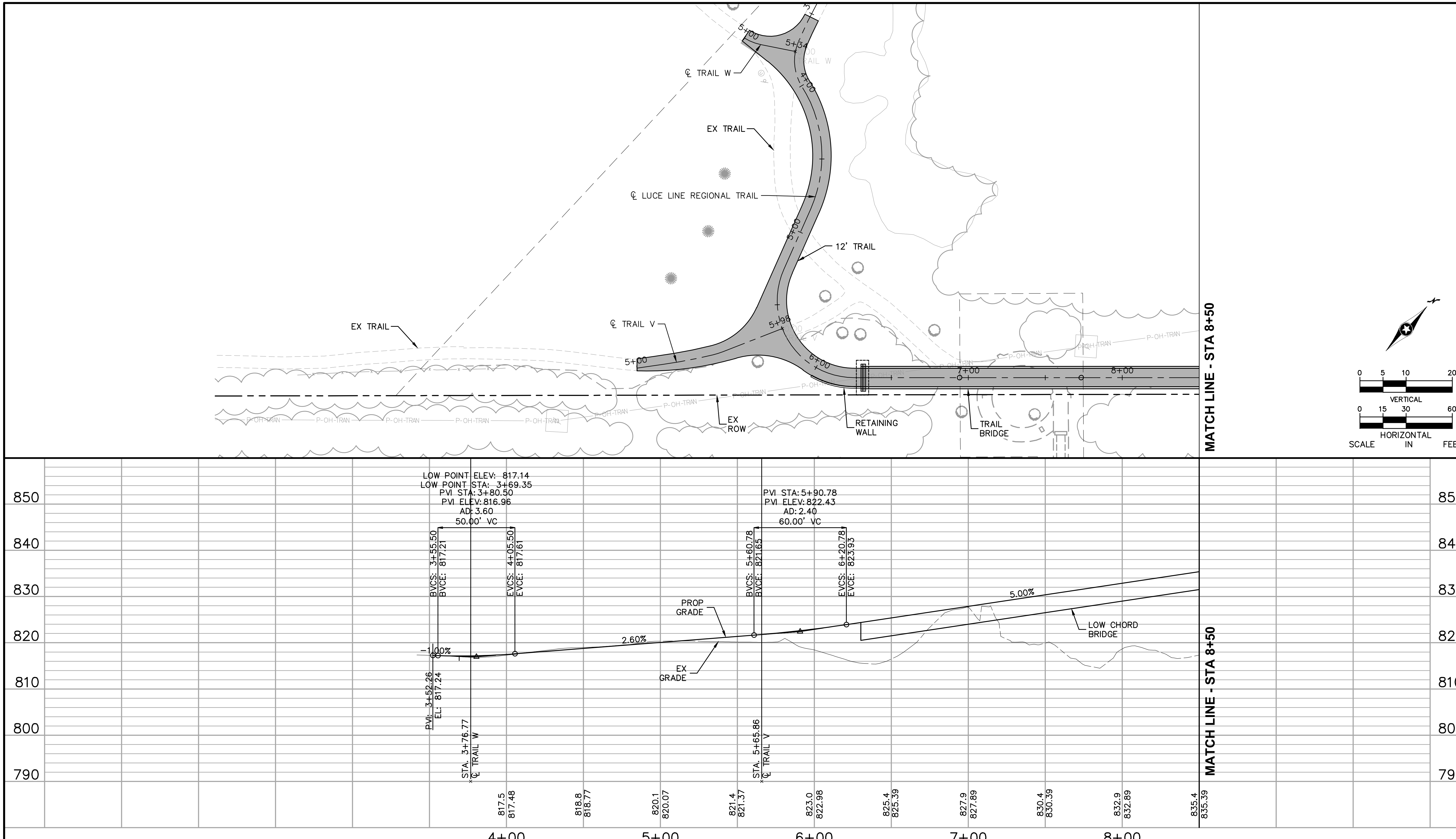
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
CEDAR LAKE TRAIL
PLAN AND PROFILE
STA 550+10 TO STA 555+11.31

DISCIPLINE: CIVIL

SHEET NAME: E4-TRL-PRF - 009

SHEET 182 OF 199



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

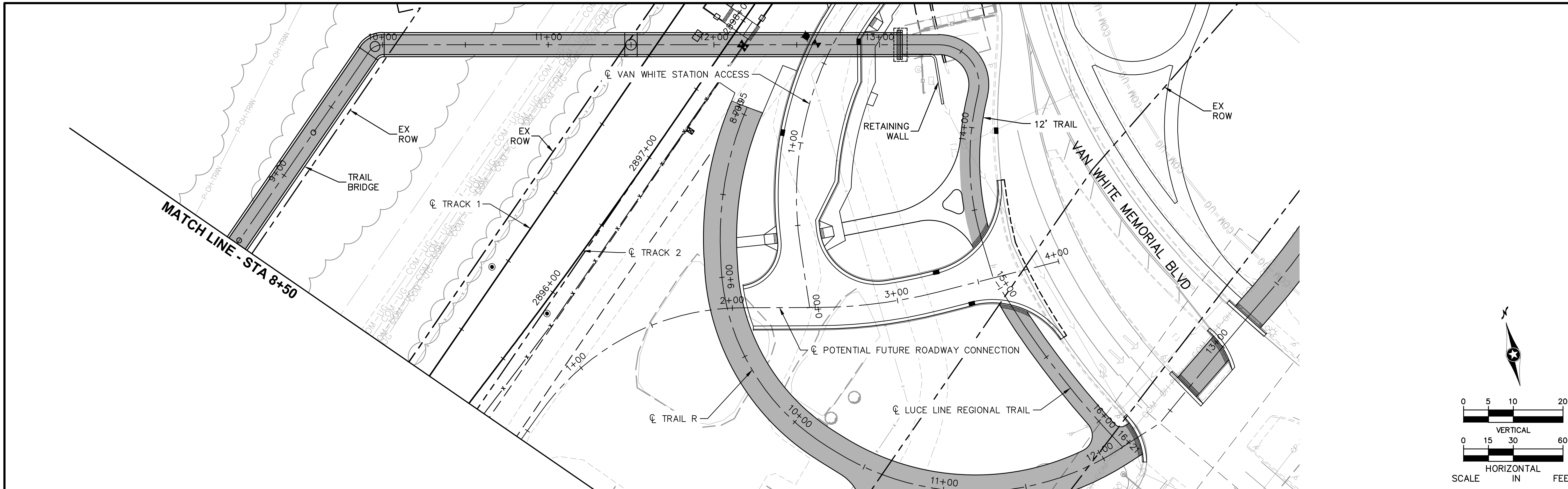
CIVIL EAST - VOLUME 2
LUCE LINE REGIONAL TRAIL
PLAN AND PROFILE
STA 3+52.26 TO STA 8+50

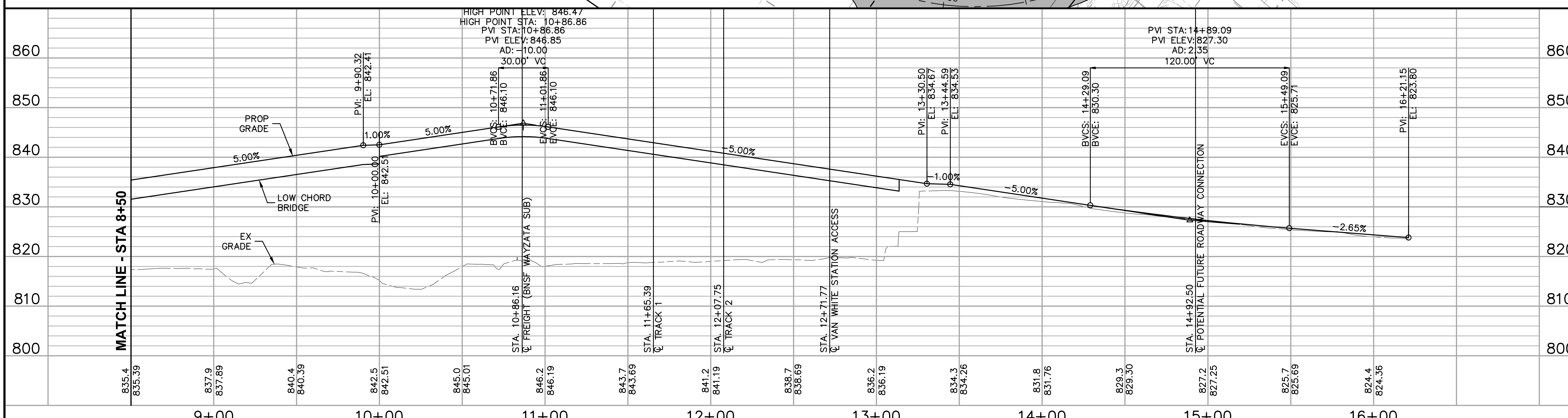
SHEET 183 OF 199

DISCIPLINE: CIVIL

SHEET NAME: E4-TRL-PRF - 010

Sep. 21 2015 07:25 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E4-TRL-PRF.dwg By: V-JohnsoWD





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

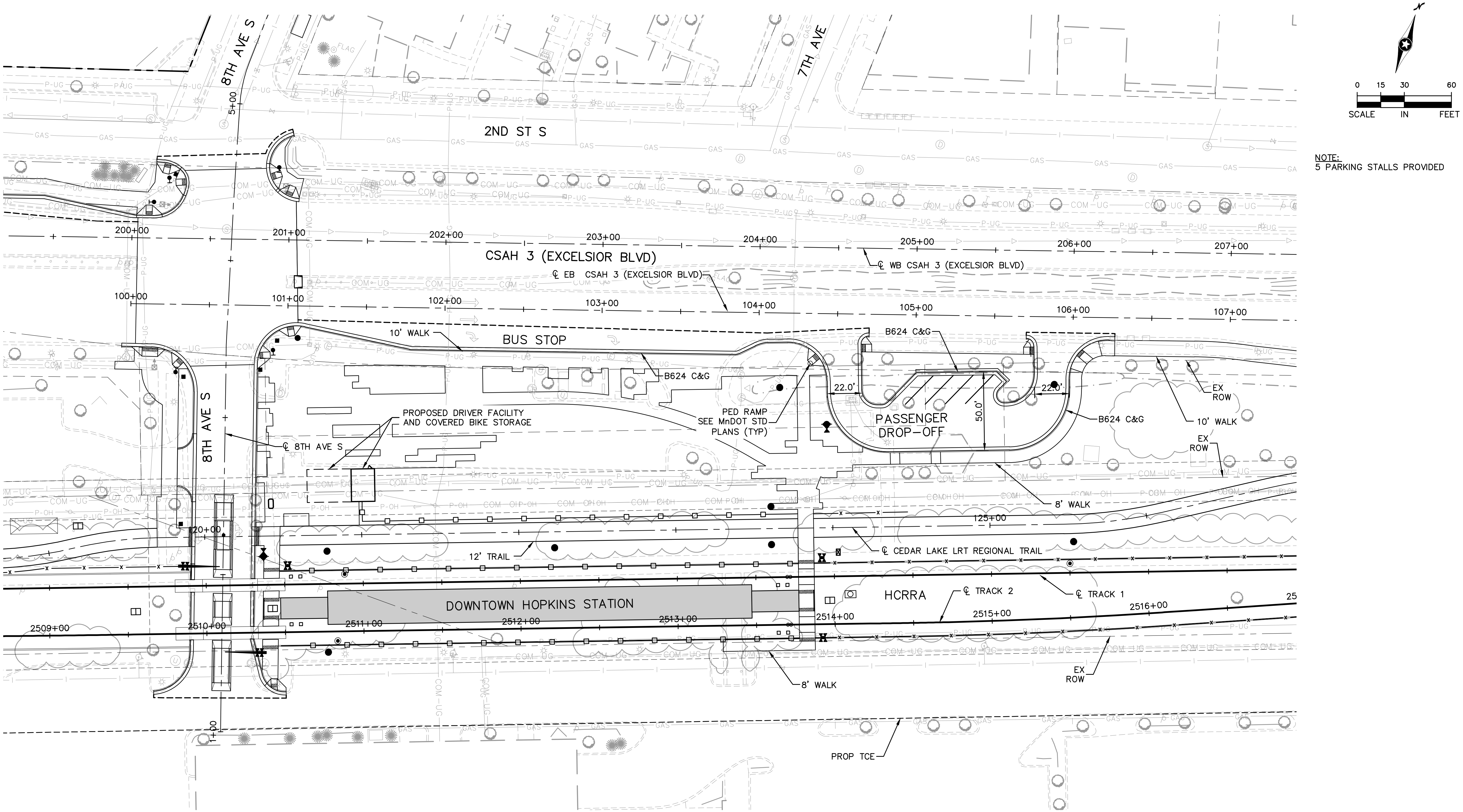
CIVIL EAST - VOLUME 2
LUCE LINE REGIONAL TRAIL
PLAN AND PROFILE
STA 8+50 TO STA 16+21.15

DISCIPLINE: CIVIL

SHEET NAME: E4-TRL-PRF - 011

SHEET 184 OF 199

Sep. 21 2015 07:26 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E4-TRL-PRF.dwg By: V-JohnsoWD



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

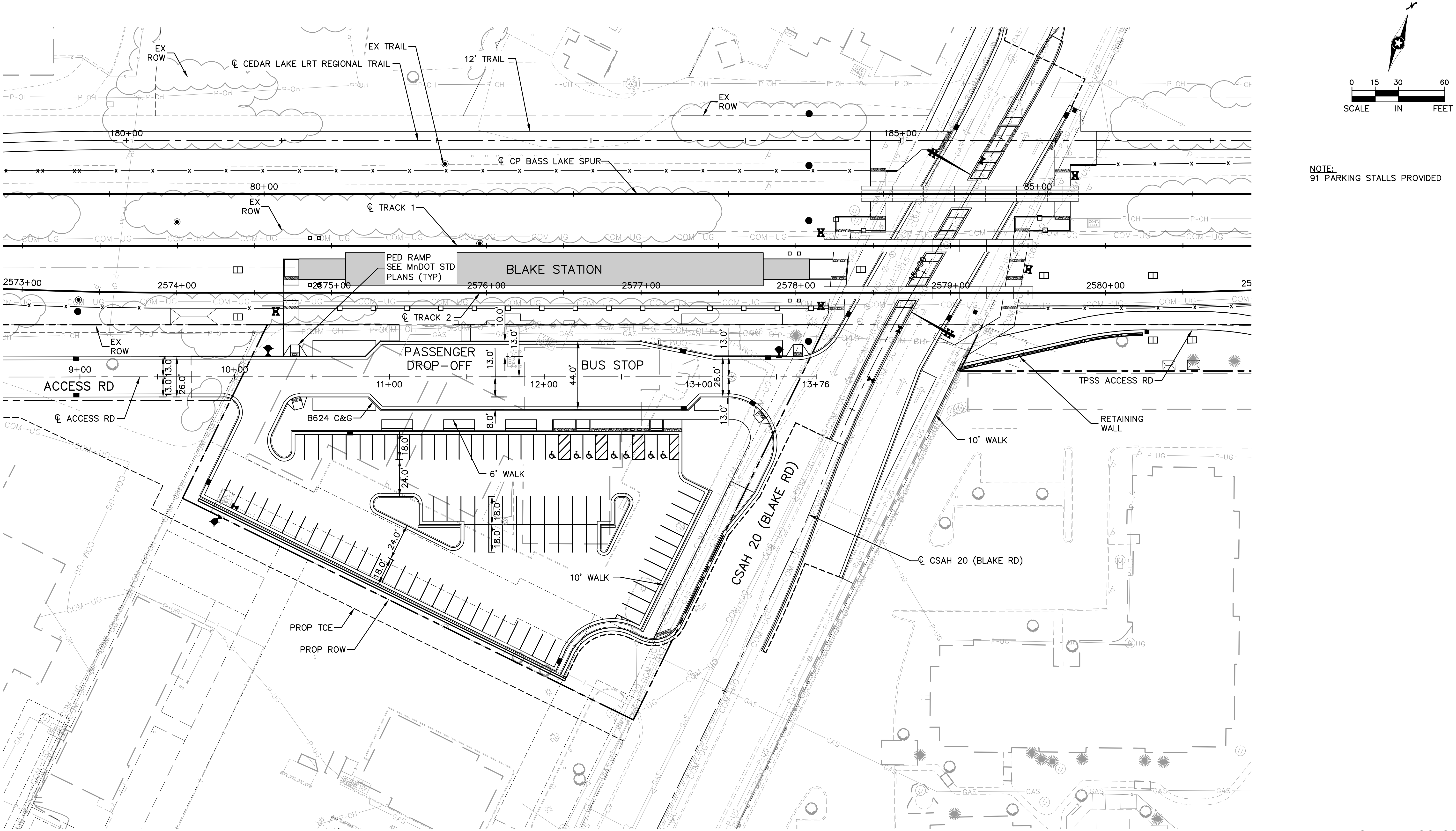
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
DOWNTOWN HOPKINS STATION
SITE PLAN

DISCIPLINE: CIVIL

SHEET NAME: E1-CIV-PLN - 001



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

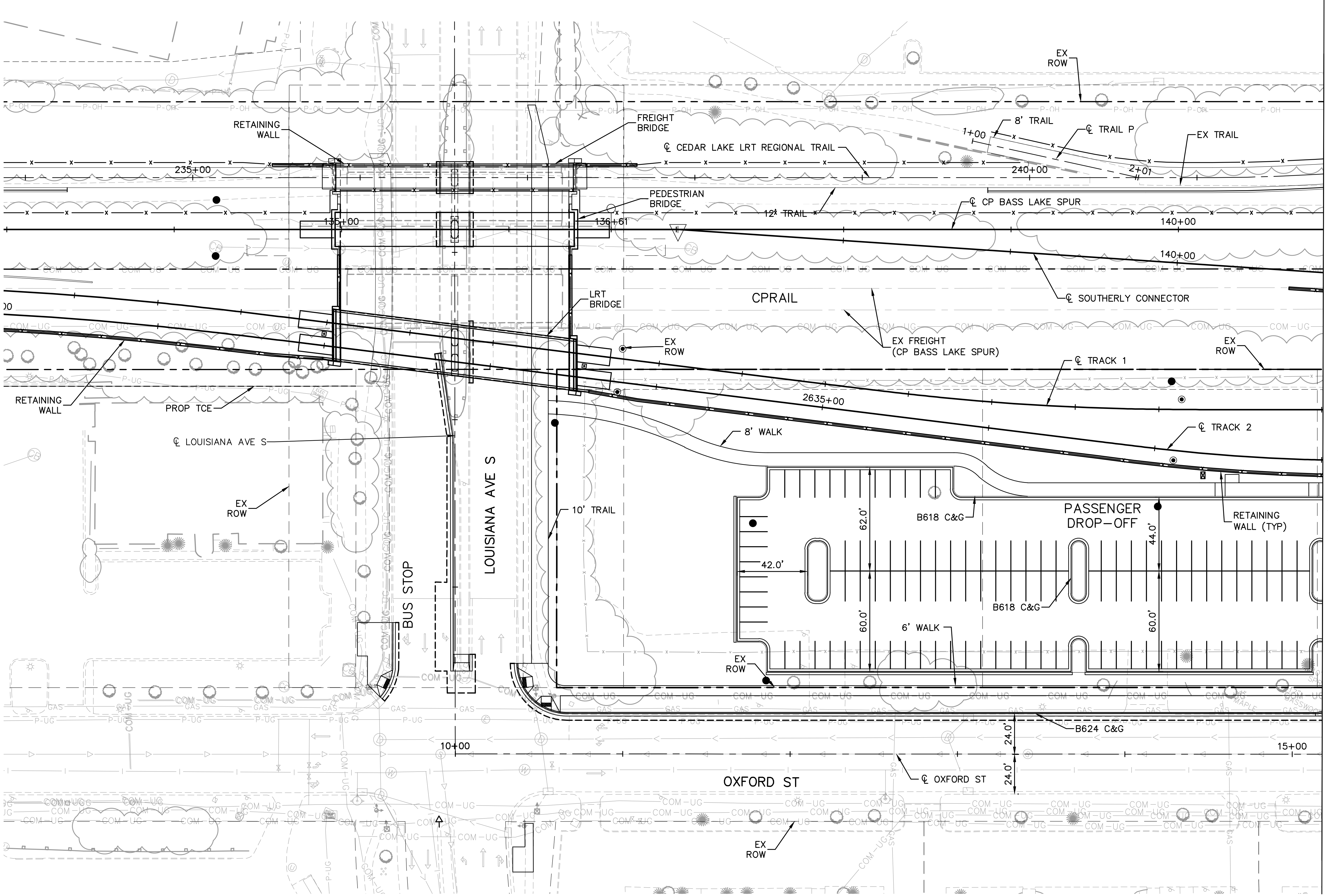
CIVIL EAST - VOLUME 2
BLAKE STATION
SITE PLAN

DISCIPLINE: CIVIL

SHEET NAME: E1-CIV-PLN - 002

SHEET 186 OF 199

Sep. 21 2015 07:32 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E1-CIV-PLN.dwg By: V-JohnsoWD



0 15 30 60
SCALE IN FEET

NOTE:
348 PARKING STALLS PROVIDED

Sep. 21 2015 07:39 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-CIV-PLN.dwg By: V-JohnsoWD

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

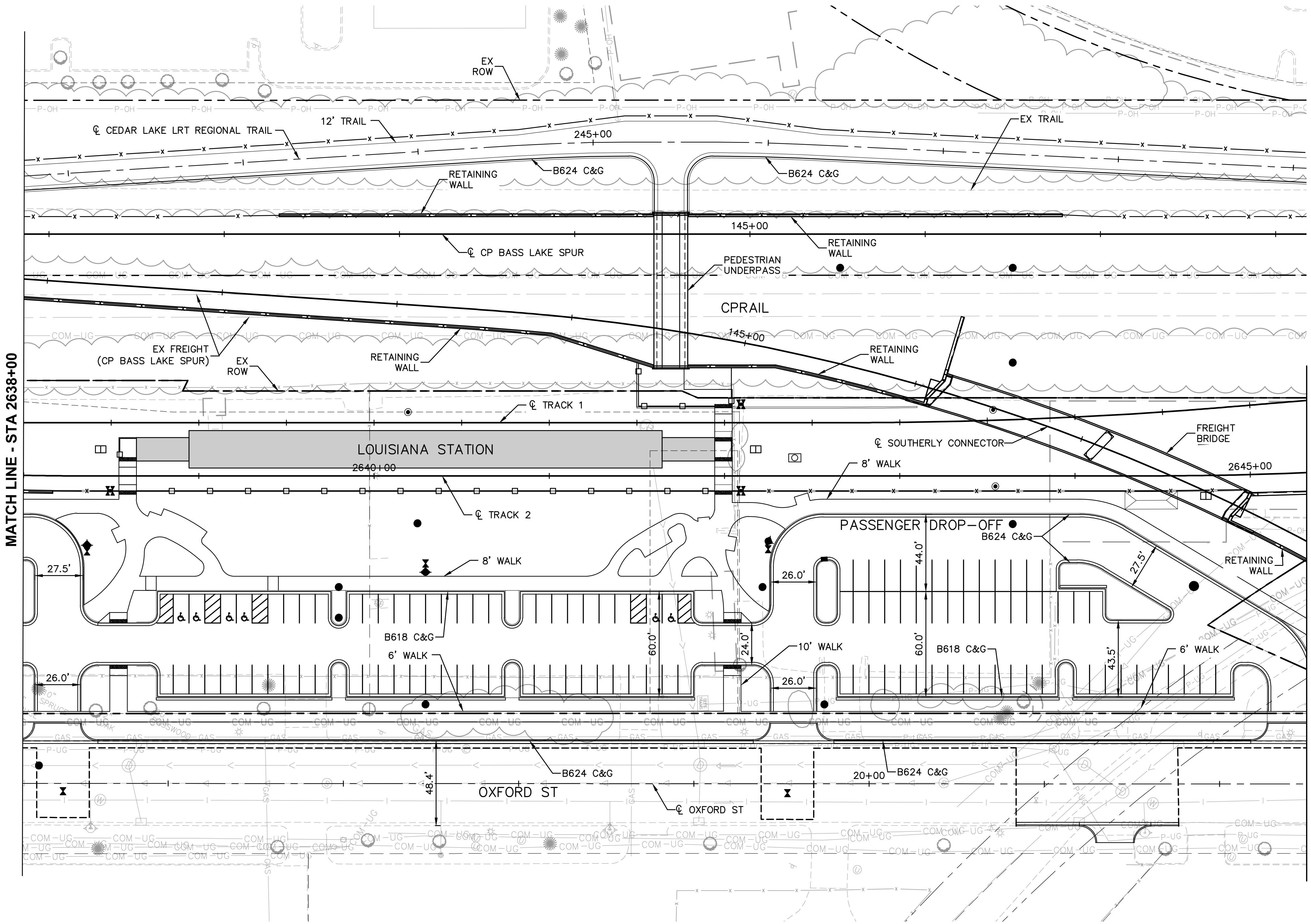
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
LOUISIANA STATION
SITE PLAN
STA 2630+00 TO STA 2638+00

DISCIPLINE: CIVIL

SHEET NAME: E2-CIV-PLN - 001

SHEET 187 OF 199



0 15 30 60
SCALE IN FEET

NOTE:
348 PARKING STALLS PROVIDED

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

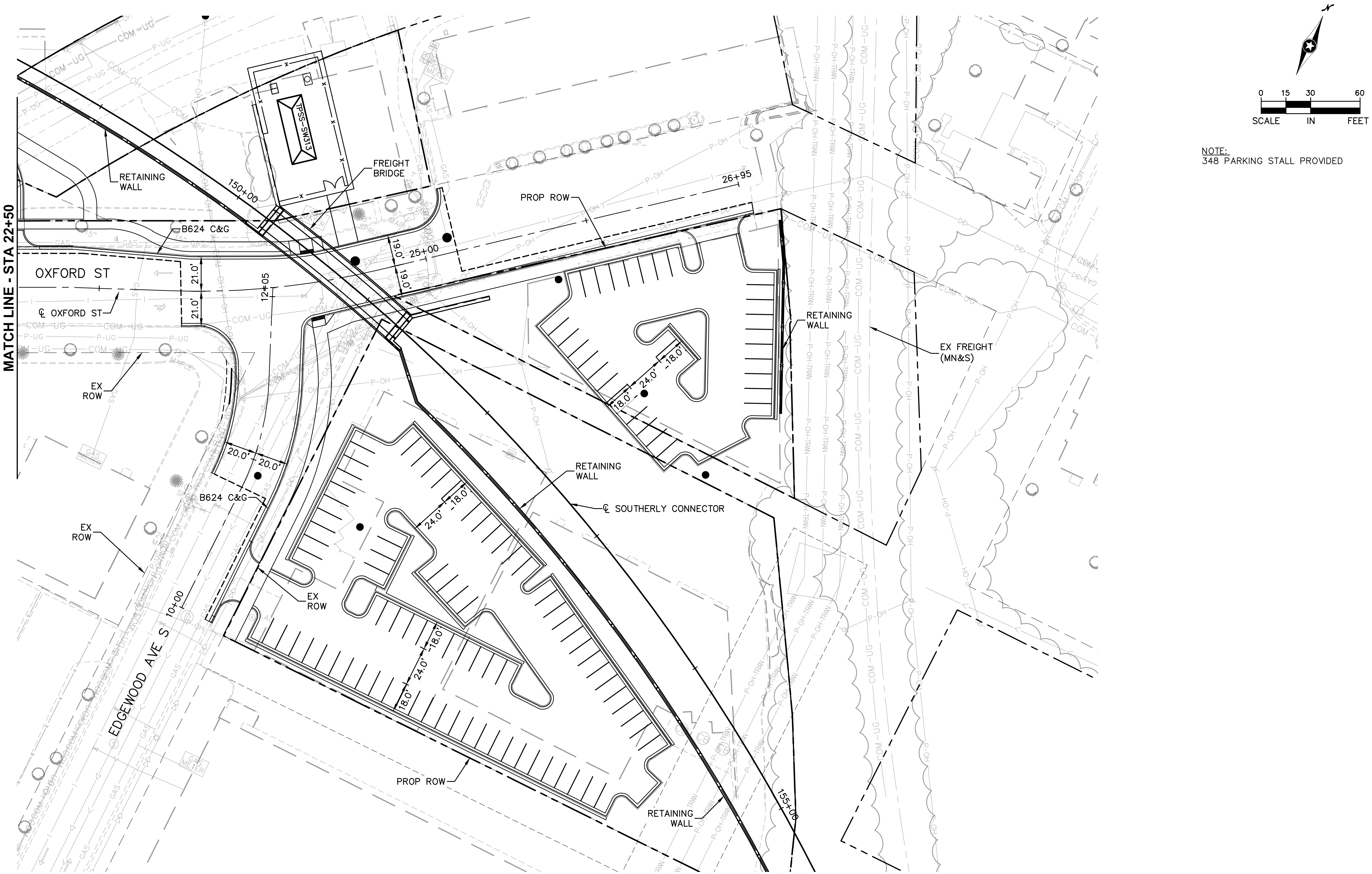
CIVIL EAST - VOLUME 2
LOUISIANA STATION
SITE PLAN
STA 2638+00 TO STA 2645+00

DISCIPLINE: CIVIL

SHEET NAME: E2-CIV-PLN - 002

SHEET 188 OF 199

Sep. 21 2015 07:40 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-CIV-PLN.dwg By: V-JohnsoWD



NOTE:
348 PARKING STALL PROVIDED

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

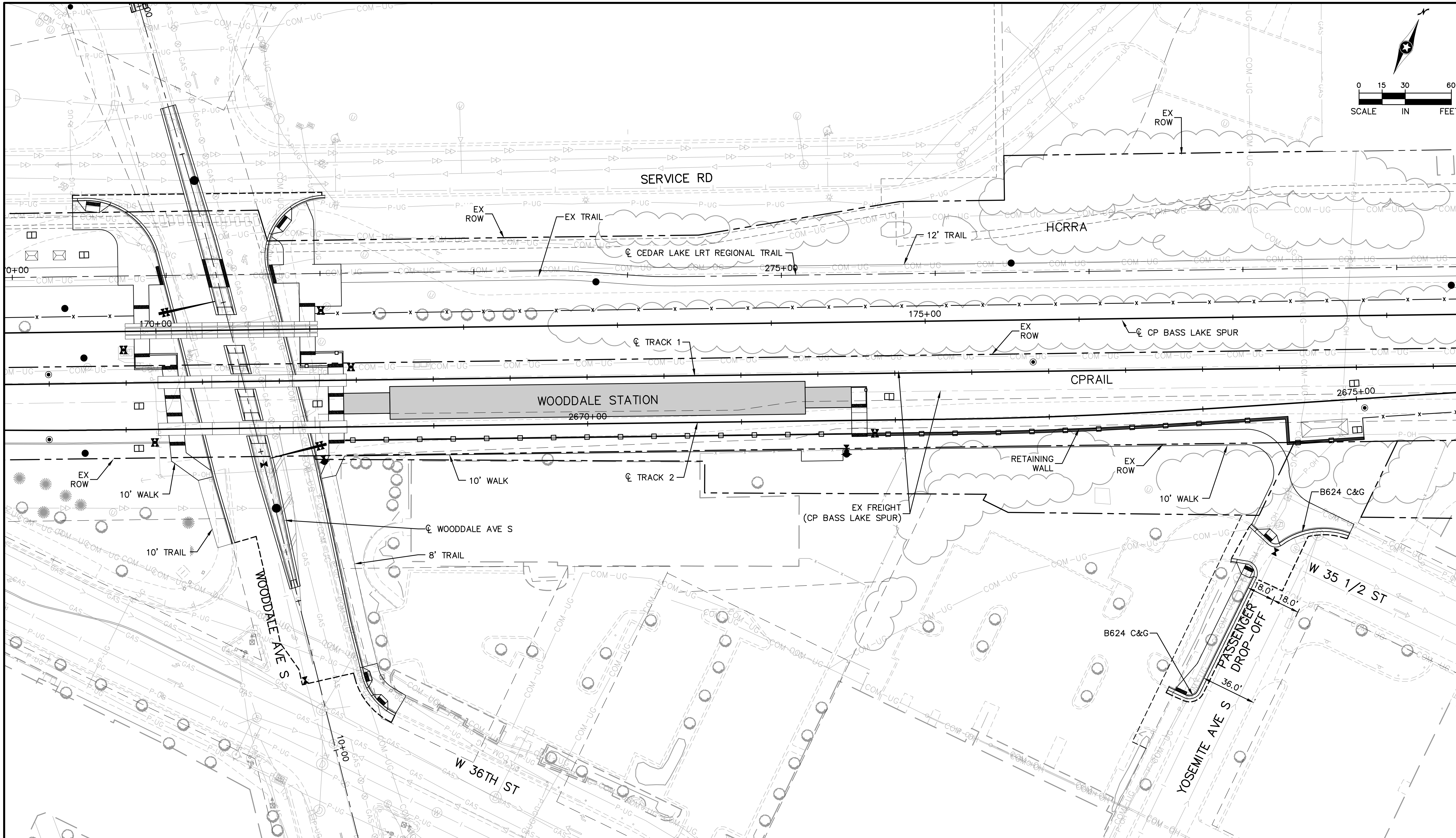
CIVIL EAST - VOLUME 2
LOUISIANA STATION
SITE PLAN
STA 22+50 TO STA 155+19

DISCIPLINE: CIVIL

SHEET NAME: E2-CIV-PLN - 003

SHEET 189 OF 199

Sep. 21 2015 07:41 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-CIV-PLN.dwg By: V-JohnsoWD



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

60% SUBMISSION - 09/28/15

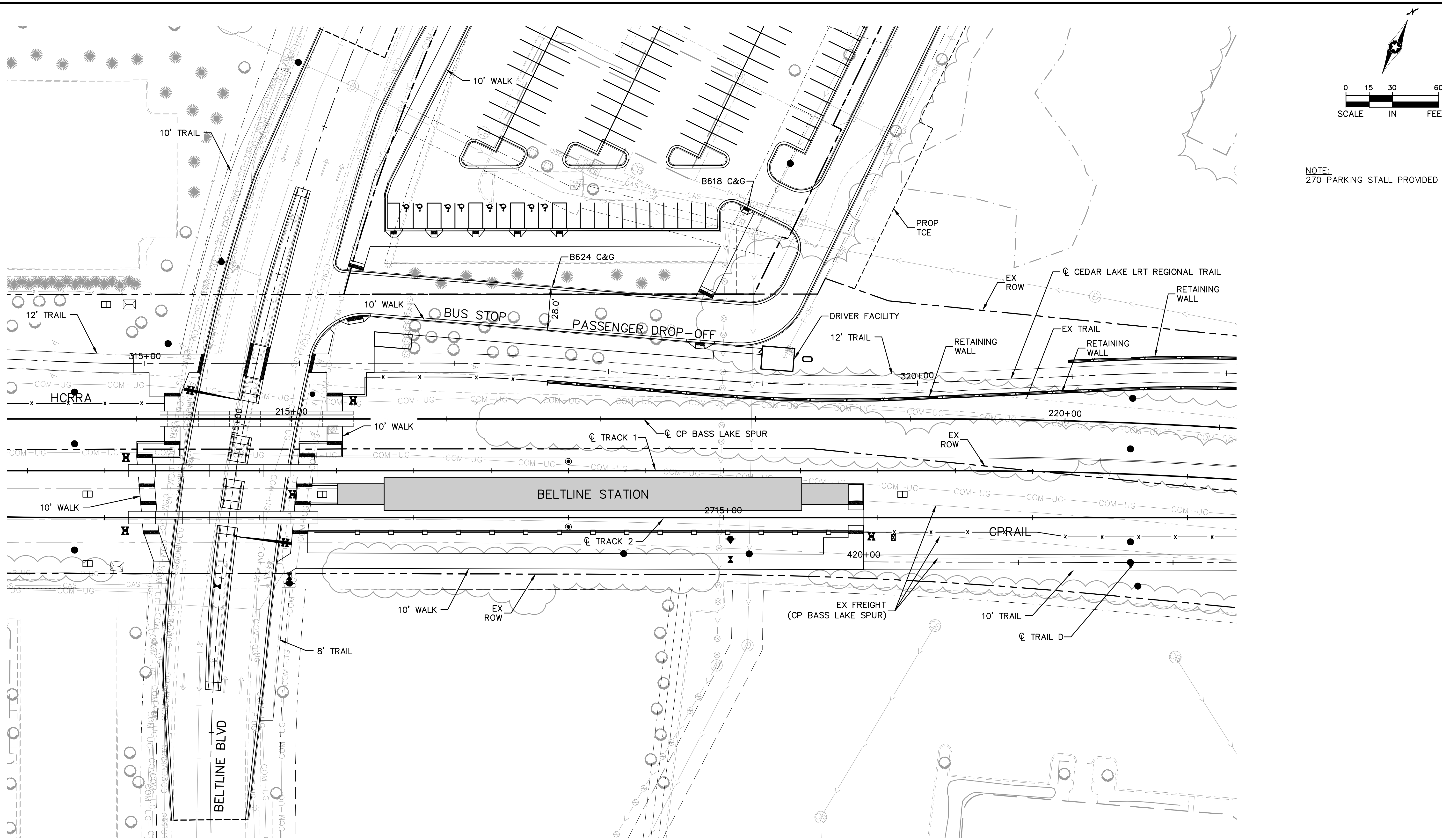
CIVIL EAST - VOLUME 2
WOODDALE STATION
SITE PLAN

DISCIPLINE: CIVIL

SHEET NAME: E2-CIV-PLN - 004

SHEET 190 OF 199

Sep. 21 2015 07:42 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-CIV-PLN.dwg By: V-JohnsoWD



Sep. 21 2015 07:44 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E2-CIV-PLN.dwg By: V-JohnsoWD

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

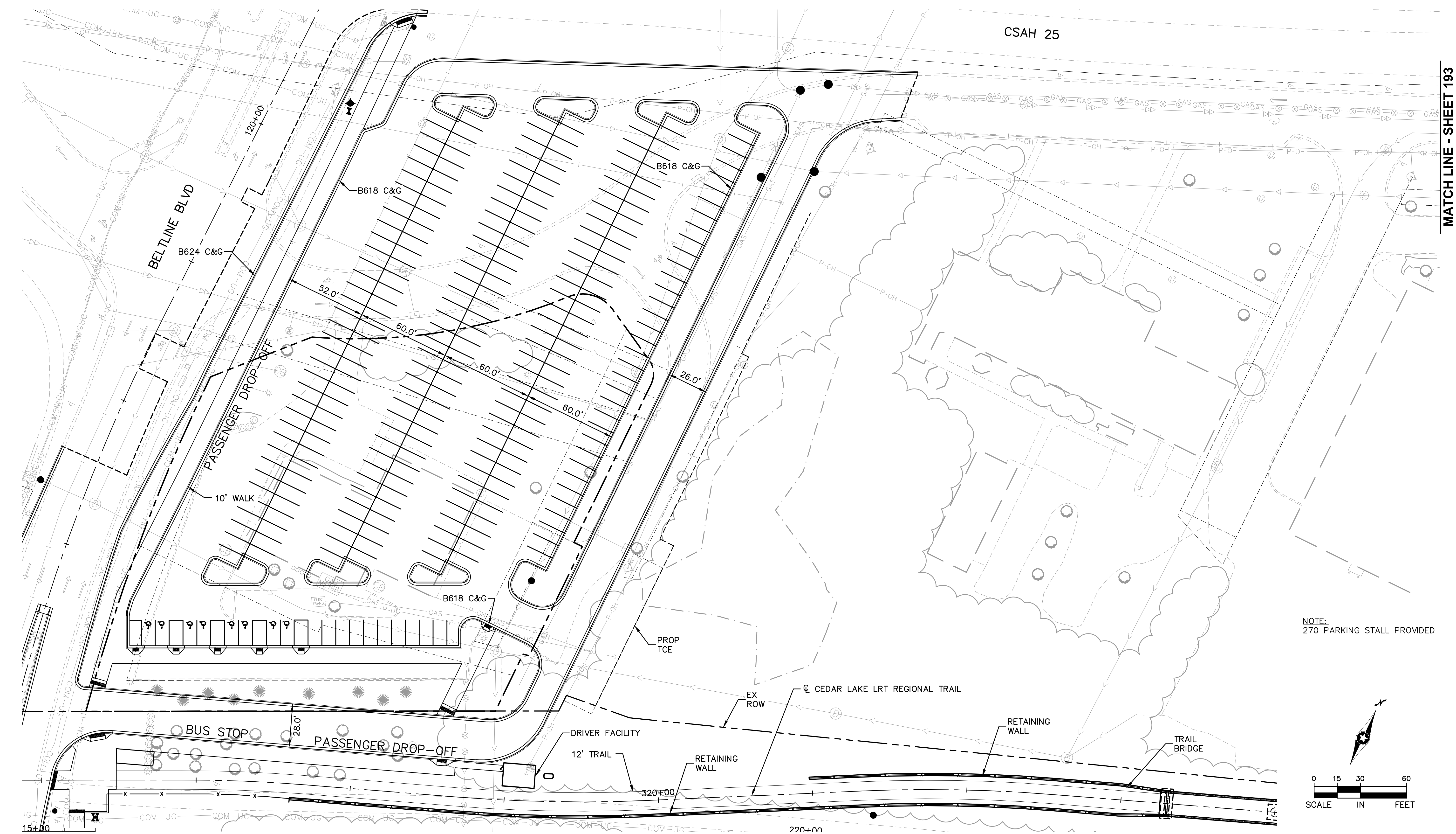
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
BELTLINE STATION
SITE PLAN

DISCIPLINE: CIVIL

SHEET NAME: E2-CIV-PLN - 005

SHEET 191 OF 199



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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

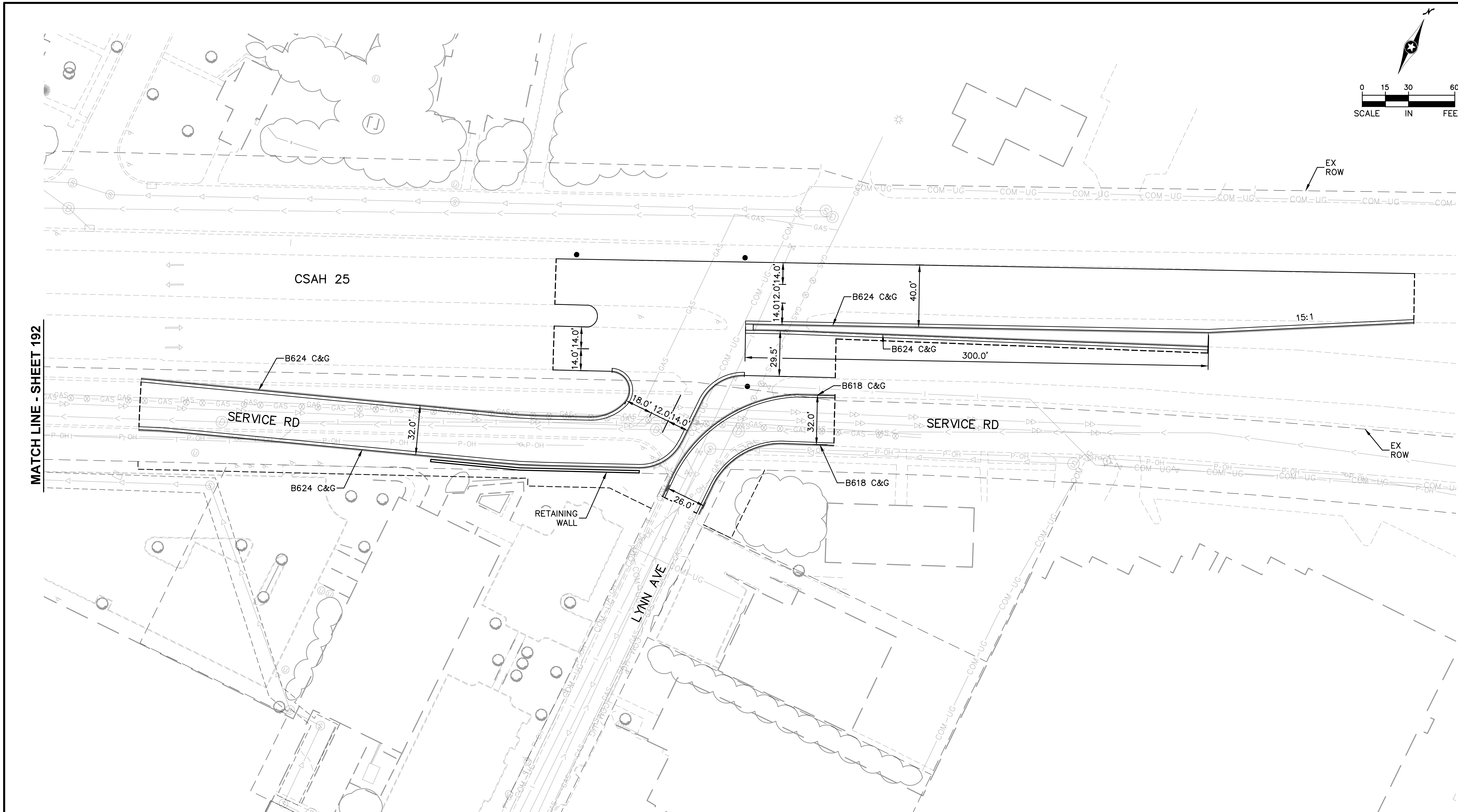
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
BELTLINE STATION
PARK AND RIDE SITE PLAN

DISCIPLINE: CIVIL

SHEET NAME: E2-CIV-PLN - 006

SHEET 192 OF 199



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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

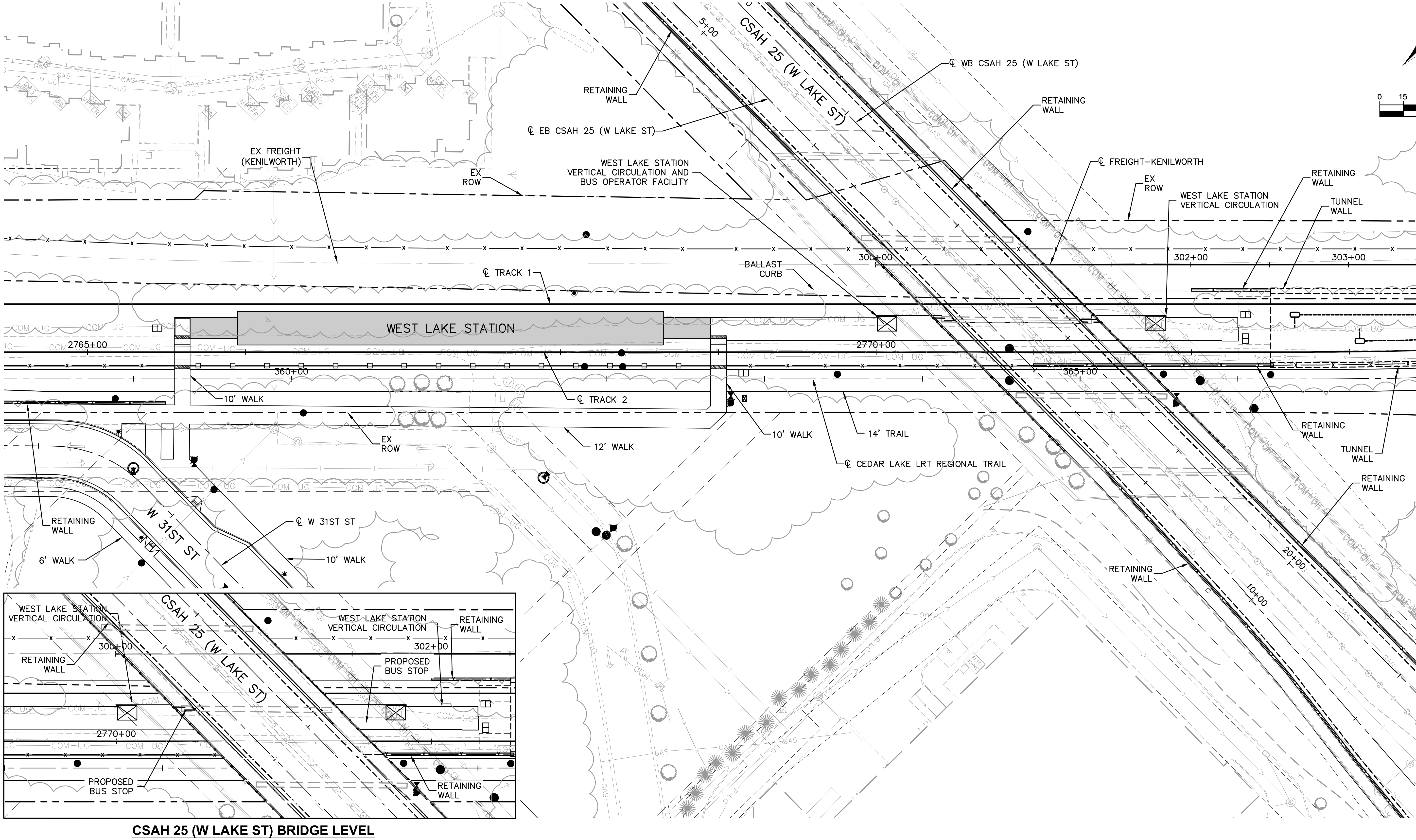
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
BELTLINE STATION
SERVICE ROAD SITE PLAN

DISCIPLINE: CIVIL

SHEET NAME: E2-CIV-PLN - 007

SHEET 193 OF 199



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

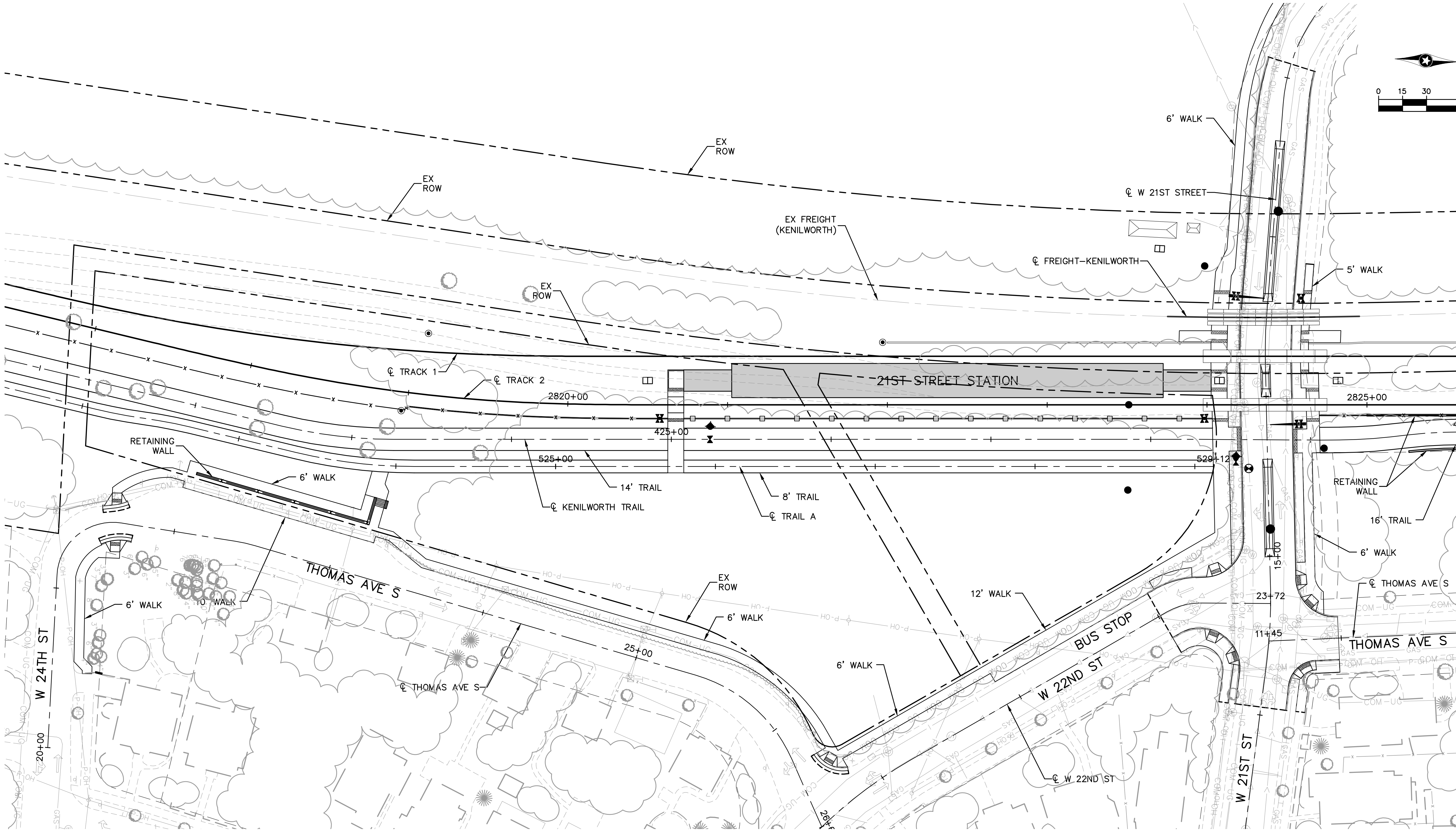
CIVIL EAST - VOLUME 2
WEST LAKE STATION
SITE PLAN

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PLN - 001

SHEET 194 OF 199

Sep. 21 2015 07:53 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E3-CIV-PLN.dwg By: V-JohnsoWD



Sep. 21 2015 07:54 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E3-CIV-PLN.dwg By: V-JohnsoWD

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

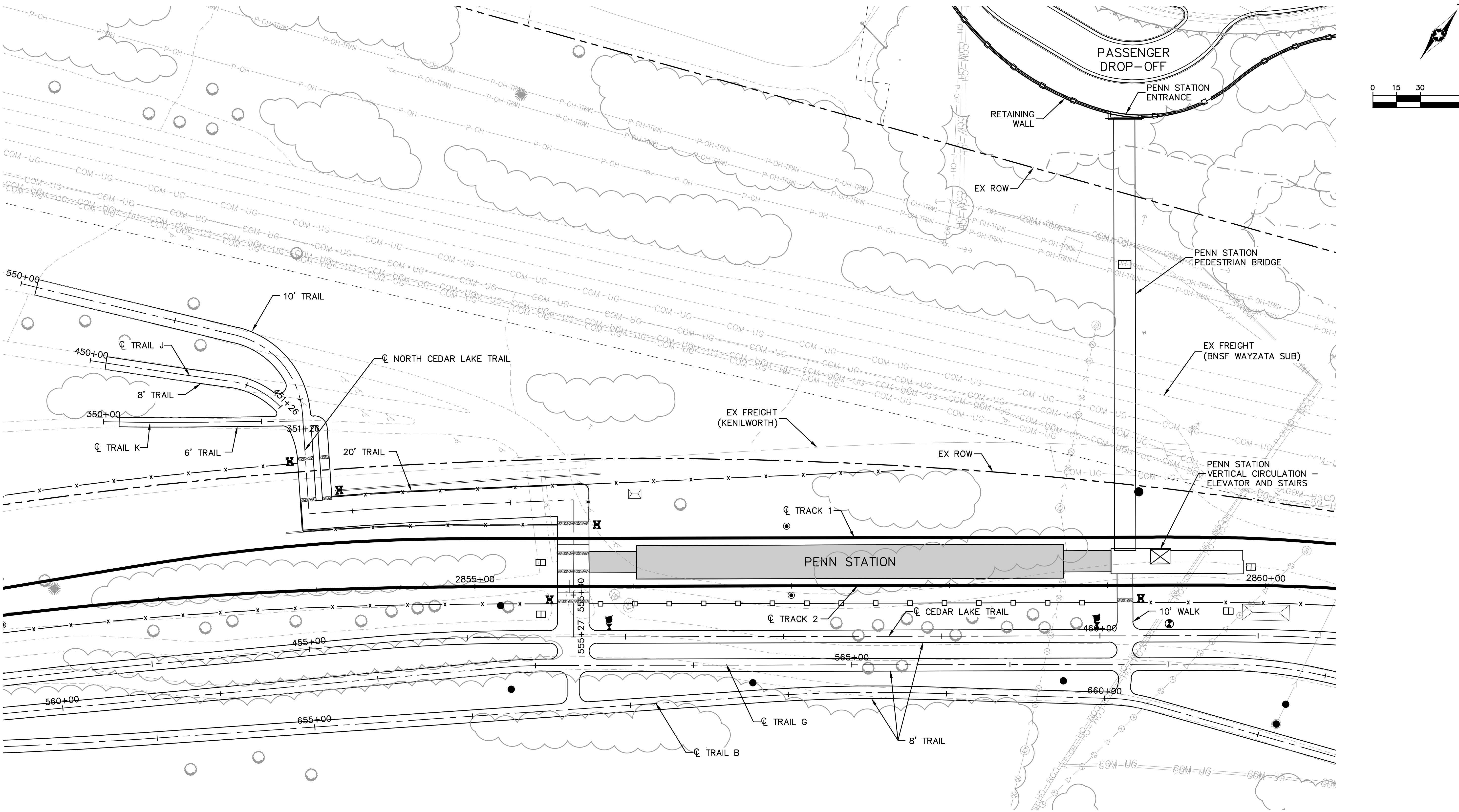
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
21ST STREET STATION
SITE PLAN

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PLN - 002



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

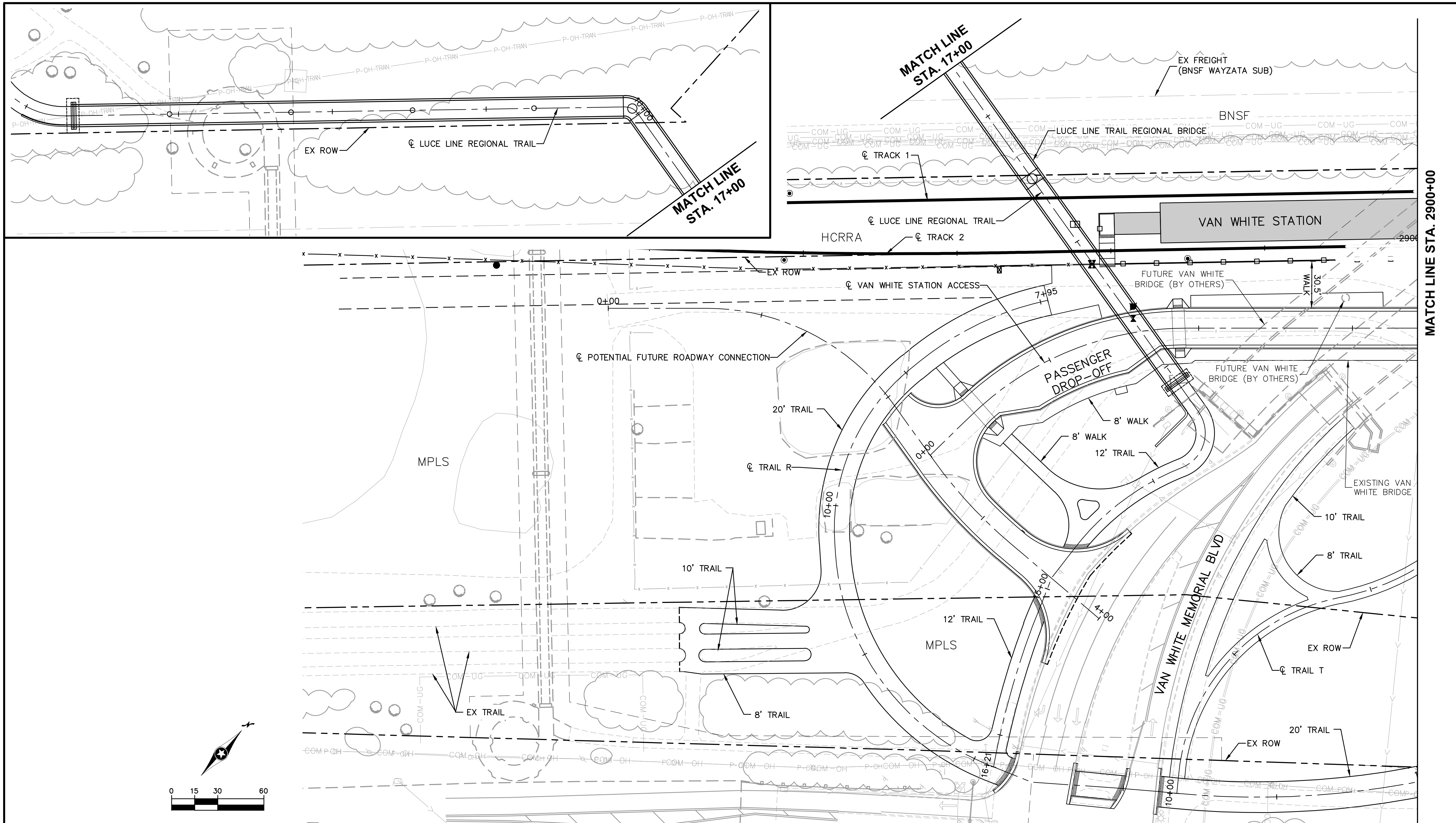
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
PENN STATION
SITE PLAN

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PLN - 001



Sep. 21 2015 08:01 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E4-CIV-PLN.dwg By: V-JohnsoWD

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

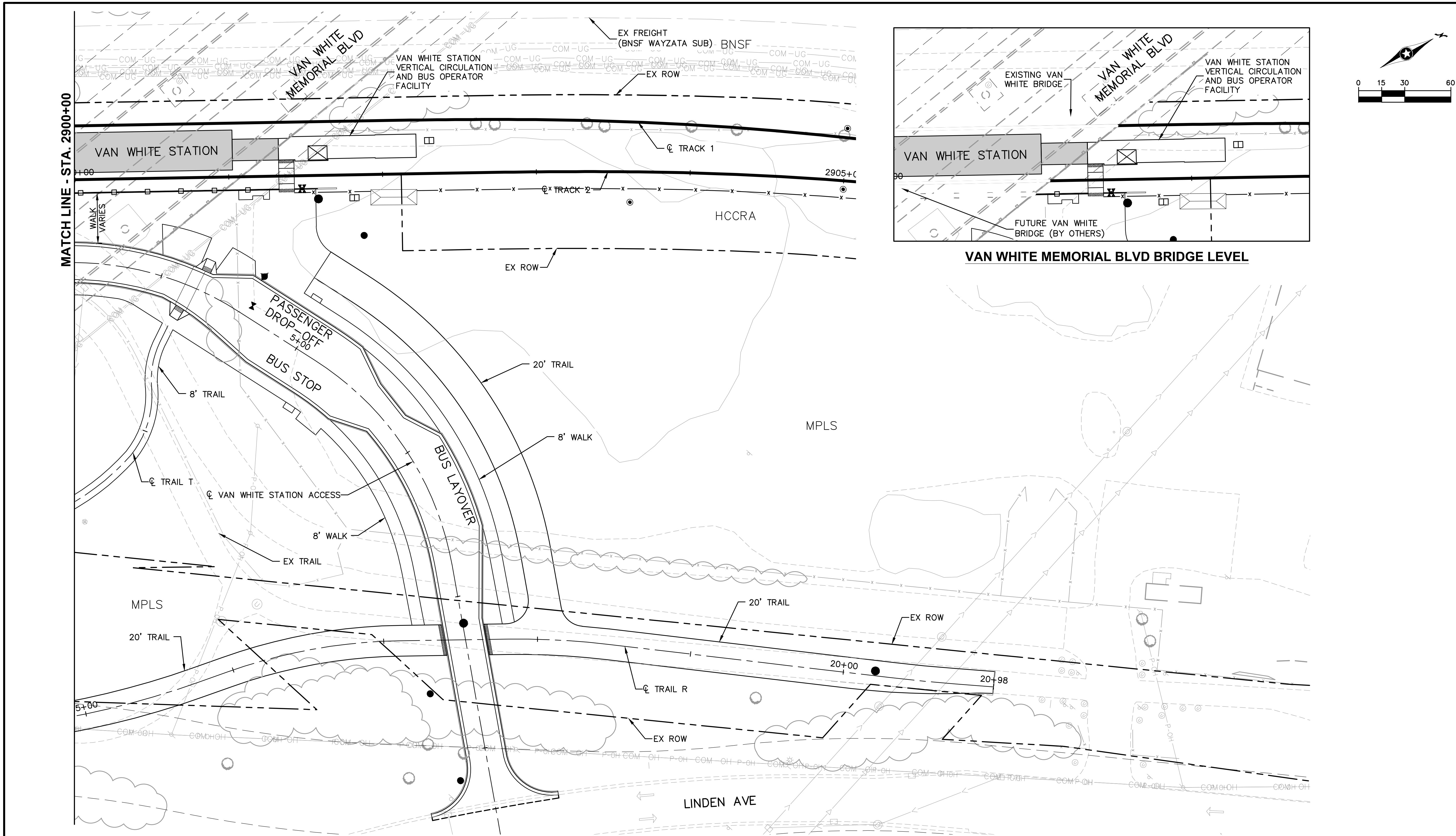
60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 2
VAN WHITE STATION
SITE PLAN WEST

SHEET 197 OF 199

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PLN - 002



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

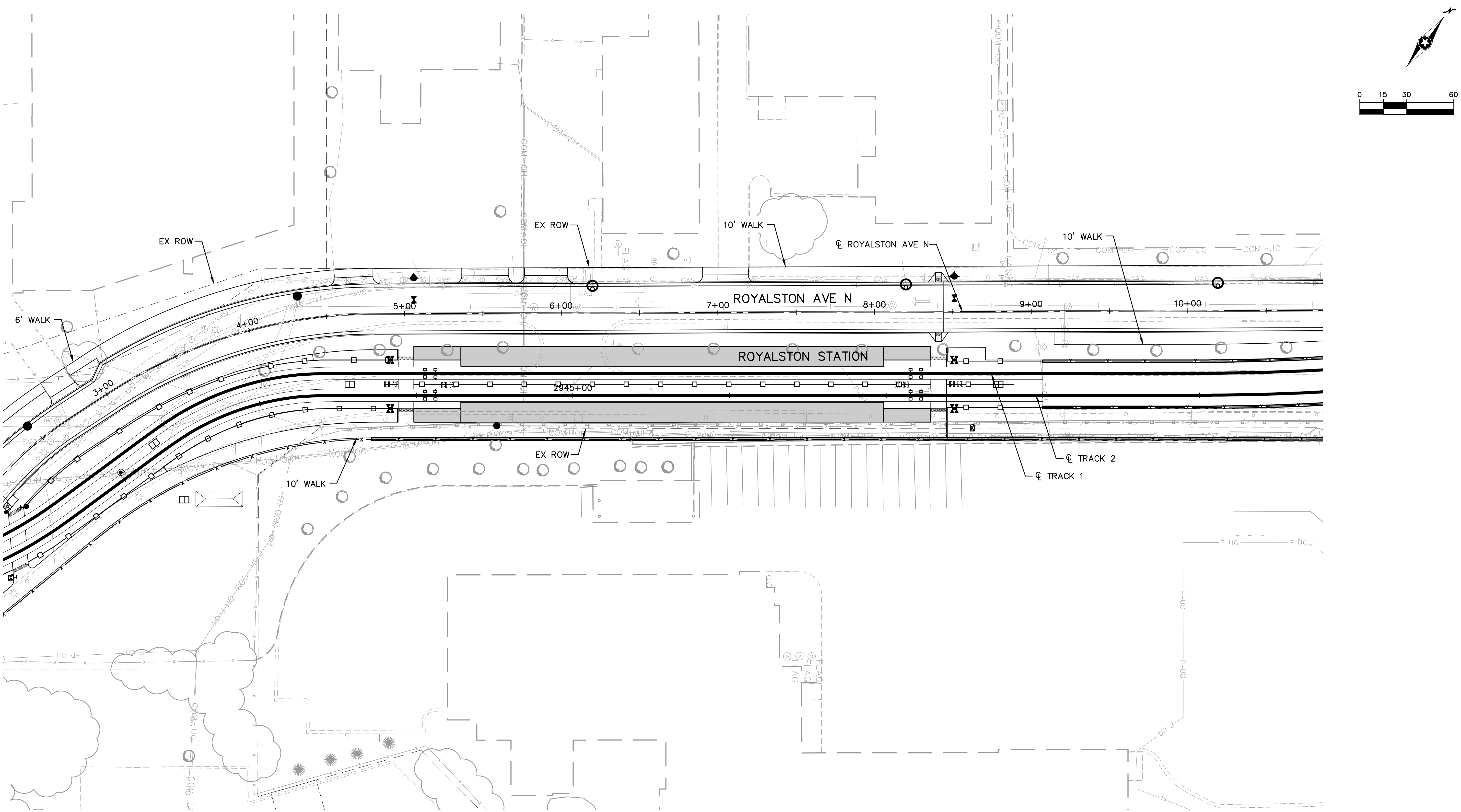
SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
VAN WHITE STATION
SITE PLAN EAST

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PLN - 003

Sep. 21 2015 08:02 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E4-CIV-PLN.dwg By: V-JohnsoWD



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 2
ROYALSTON STATION
SITE PLAN

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PLN - 004

SHEET 199 OF 199

Sep. 21 2015 08:03 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\CIVIL\E4-CIV-PLN.dwg By: V-JohnsoWD