METROPOLITAN COUNCIL

SOUTHWEST
Green Line LRT Extension

CIVIL CONSTRUCTION

VOLUME 3A
TRACKWORK

PLAN PACKAGE INDEX / DESCRIPTION	
CIVIL CONSTRUCTION	BID ALTERNATES
VOLUME 1 - EXISTING CONDITIONS & REMOVALS	VOLUME A - NOT USED
VOLUME 2A - CIVIL	VOLUME B - NOT USED
VOLUME 2B - CIVIL	VOLUME C - BID ALTERNATE 3 (LRCI 5) ▲
VOLUME 3A - TRACKWORK	VOLUME D - BID ALTERNATE 4 (LRCI 6) ▲
VOLUME 3B - TRACKWORK	VOLUME E - BID ALTERNATE 5 (LRCI 7) ▲
VOLUME 3C - TRACKWORK DETAILS	VOLUME F - BID ALTERNATE 6 (LRCI 8) ▲
VOLUME 4A - BRIDGES	VOLUME G - BID ALTERNATE 7 (LRCI 4) ▲
VOLUME 4B - BRIDGES	VOLUME H - BID ALTERNATE 8 (LRCI 10) ▲
VOLUME 4C - BRIDGES	VOLUME I - BID ALTERNATE 9 (LRCI 11) ▲
VOLUME 4D - BRIDGES	VOLUME J - BID ALTERNATE 10 (LRCI 12)
VOLUME 4E - BRIDGES	VOLUME K - BID ALTERNATE 11 (LRCI 13)
VOLUME 4F - BRIDGES	VOLUME L - BID ALTERNATE 12 (LRCI 14)
VOLUME 4G - BRIDGES	VOLUME M - BID ALTERNATE 13 (LRCI 26)
VOLUME 5 - TUNNELS	VOLUME N - BID ALTERNATE 14 (LRCI 27)
VOLUME 6 - RETAINING WALLS	VOLUME O - BID ALTERNATE 15 (LRCI 17)
VOLUME 7 - UTILITIES	VOLUME P - BID ALTERNATE 20 (LRCI 32)
VOLUME 8 - DRAINAGE	VOLUME Q - BID ALTERNATE 21 (LRCI 33)
VOLUME 9 - URBAN DESIGN / LANDSCAPE	
VOLUME 10A - TRAFFIC	
VOLUME 10B - LIGHTING *	
VOLUME 11A - STATIONS ▲	
VOLUME 11B - STATIONS	
VOLUME 11C - STATIONS	
VOLUME 11D - STATIONS	
VOLUME 11E - STATIONS	
VOLUME 12 - SYSTEMS	

* TO BE SUBMITTED AT A LATER DATE
▲ SUBMITTED AT 75%, NOT INCLUDED IN 90%

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.

90% SUBMISSION
DATE : 01/22/16

AECOM

CIVIL CONSTRUCTION

SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV
		VOLUME 3A - TRACKWORK			
1	00-GEN-CVR-001	COVER SHEET			
2	00-GEN-IDX-001	VOLUME INDEX OF PLAN SHEETS			
3	W0-GEN-KEY-001	GENERAL KEY MAP SHEET 1			
4	E0-GEN-KEY-002	GENERAL KEY MAP SHEET 2			
5	00-GEN-NTS-001	GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS SHEET 1			
6	00-GEN-NTS-002	GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS SHEET 2			
7	W0-TRK-NTS-001	TRACK TRACK NOTES SHEET 1			
8	W0-TRK-NTS-002	TRACK SOIL CORRECTION TABLE SHEET 1			
9	W1-TRK-ALG-001	TRACK ALIGNMENT DATA SHEET 1			
10	W1-TRK-ALG-002	TRACK ALIGNMENT DATA SHEET 2			
11	W1-TRK-ALG-003	TRACK ALIGNMENT DATA SHEET 3			
12	W2-TRK-ALG-001	TRACK ALIGNMENT DATA SHEET 4			
13	W2-TRK-ALG-002	TRACK ALIGNMENT DATA SHEET 5			
14	W2-TRK-ALG-003	TRACK ALIGNMENT DATA SHEET 6			
15	W3-TRK-ALG-001	TRACK ALIGNMENT DATA SHEET 7			
16	W3-TRK-ALG-002	TRACK ALIGNMENT DATA SHEET 8			
17	W1-TRK-CHT-001	TRACK TRACK CHART SHEET 1			
18	W1-TRK-CHT-002	TRACK TRACK CHART SHEET 2			
19	W1-TRK-CHT-003	TRACK TRACK CHART SHEET 3			
20	W1-TRK-CHT-004	TRACK TRACK CHART SHEET 4			
21	W2-TRK-CHT-001	TRACK TRACK CHART SHEET 5			
22	W2-TRK-CHT-002	TRACK TRACK CHART SHEET 6			
23	W2-TRK-CHT-003	TRACK TRACK CHART SHEET 7			
24	W2-TRK-CHT-004	TRACK TRACK CHART SHEET 8			
25	W2-TRK-CHT-005	TRACK TRACK CHART SHEET 9			
26	W3-TRK-CHT-001	TRACK TRACK CHART SHEET 10			
27	W3-TRK-CHT-002	TRACK TRACK CHART SHEET 11			
28	W3-TRK-CHT-003	TRACK TRACK CHART SHEET 12			
29	W3-TRK-CHT-004	TRACK TRACK CHART SHEET 13			
30	W1-TRK-TYP-001	TRACK TYPICAL SECTIONS			
31	W1-TRK-TYP-002	TRACK TYPICAL SECTIONS			
32	W1-TRK-TYP-003	TRACK TYPICAL SECTIONS			
33	W1-TRK-TYP-004	TRACK TYPICAL SECTIONS			
34	W1-TRK-TYP-005	TRACK TYPICAL SECTIONS			
35	W1-TRK-TYP-006	TRACK TYPICAL SECTIONS			
36	W1-TRK-TYP-007	TRACK TYPICAL SECTIONS			
37	W1-TRK-TYP-008	TRACK TYPICAL SECTIONS			
38	W1-TRK-TYP-009	TRACK TYPICAL SECTIONS			
39	W1-TRK-TYP-010	TRACK TYPICAL SECTIONS			
40	W1-TRK-TYP-011	TRACK TYPICAL SECTIONS			
41	W1-TRK-TYP-012	TRACK TYPICAL SECTIONS			
42	W1-TRK-TYP-013	TRACK TYPICAL SECTIONS			
43	W1-TRK-TYP-014	TRACK TYPICAL SECTIONS			
44	W1-TRK-TYP-015	TRACK TYPICAL SECTIONS			
45	W1-TRK-TYP-016	TRACK TYPICAL SECTIONS			
46	W1-TRK-TYP-017	TRACK TYPICAL SECTIONS			
47	W1-TRK-TYP-018	TRACK TYPICAL SECTIONS			
48	W1-TRK-TYP-019	TRACK TYPICAL SECTIONS			
49	W1-TRK-TYP-020	TRACK TYPICAL SECTIONS			
50	W1-TRK-TYP-021	TRACK TYPICAL SECTIONS			
51	W1-TRK-TYP-022	TRACK TYPICAL SECTIONS			
52	W1-TRK-TYP-023	TRACK TYPICAL SECTIONS			
53	W1-TRK-TYP-024	TRACK TYPICAL SECTIONS			
54	W1-TRK-TYP-025	TRACK TYPICAL SECTIONS			
55	W1-TRK-TYP-026	TRACK TYPICAL SECTIONS			
56	W1-TRK-TYP-027	TRACK TYPICAL SECTIONS			
57	W1-TRK-TYP-028	TRACK TYPICAL SECTIONS			
58	W1-TRK-TYP-029	TRACK TYPICAL SECTIONS			
59	W1-TRK-TYP-030	TRACK TYPICAL SECTIONS			
60	W2-TRK-TYP-001	TRACK TYPICAL SECTIONS			
61	W2-TRK-TYP-002	TRACK TYPICAL SECTIONS			
62	W2-TRK-TYP-003	TRACK TYPICAL SECTIONS			
63	W2-TRK-TYP-040	TRACK TYPICAL SECTIONS			
64	W2-TRK-TYP-004	TRACK TYPICAL SECTIONS			
65	W2-TRK-TYP-005	TRACK TYPICAL SECTIONS			
66	W2-TRK-TYP-006	TRACK TYPICAL SECTIONS			
67	W2-TRK-TYP-007	TRACK TYPICAL SECTIONS			
68	W2-TRK-TYP-008	TRACK TYPICAL SECTIONS			
69	W2-TRK-TYP-009	TRACK TYPICAL SECTIONS			
70	W2-TRK-TYP-010	TRACK TYPICAL SECTIONS			

CIVIL CONSTRUCTION

SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV
71	W2-TRK-TYP-011	TRACK TYPICAL SECTIONS			
72	W2-TRK-TYP-012	TRACK TYPICAL SECTIONS			
73	W2-TRK-TYP-013	TRACK TYPICAL SECTIONS			
74	W2-TRK-TYP-014	TRACK TYPICAL SECTIONS			
75	W2-TRK-TYP-015	TRACK TYPICAL SECTIONS			
76	W2-TRK-TYP-016	TRACK TYPICAL SECTIONS			
77	W2-TRK-TYP-017	TRACK TYPICAL SECTIONS			
78	W2-TRK-TYP-018	TRACK TYPICAL SECTIONS			
79	W2-TRK-TYP-019	TRACK TYPICAL SECTIONS			
80	W2-TRK-TYP-020	TRACK TYPICAL SECTIONS			
81	W2-TRK-TYP-044	TRACK TYPICAL SECTIONS			
82	W2-TRK-TYP-021	TRACK TYPICAL SECTIONS			
83	W2-TRK-TYP-022	TRACK TYPICAL SECTIONS			
84	W2-TRK-TYP-023	TRACK TYPICAL SECTIONS			
85	W2-TRK-TYP-024	TRACK TYPICAL SECTIONS			
86	W2-TRK-TYP-025	TRACK TYPICAL SECTIONS			
87	W2-TRK-TYP-026	TRACK TYPICAL SECTIONS			
88	W2-TRK-TYP-027	TRACK TYPICAL SECTIONS			
89	W2-TRK-TYP-028	TRACK TYPICAL SECTIONS			
90	W2-TRK-TYP-029	TRACK TYPICAL SECTIONS			
91	W2-TRK-TYP-030	TRACK TYPICAL SECTIONS			
92	W2-TRK-TYP-031	TRACK TYPICAL SECTIONS			
93	W2-TRK-TYP-032	TRACK TYPICAL SECTIONS			
94	W2-TRK-TYP-033	TRACK TYPICAL SECTIONS			
95	W2-TRK-TYP-034	TRACK TYPICAL SECTIONS			
96	W2-TRK-TYP-041	TRACK TYPICAL SECTIONS			
97	W2-TRK-TYP-035	TRACK TYPICAL SECTIONS			
98	W2-TRK-TYP-036	TRACK TYPICAL SECTIONS			
99	W2-TRK-TYP-042	TRACK TYPICAL SECTIONS			
100	W2-TRK-TYP-037	TRACK TYPICAL SECTIONS			
101	W2-TRK-TYP-038	TRACK TYPICAL SECTIONS			
102	W2-TRK-TYP-043	TRACK TYPICAL SECTIONS			
103	W2-TRK-TYP-039	TRACK TYPICAL SECTIONS			
104	W3-TRK-TYP-001	TRACK TYPICAL SECTIONS			
105	W3-TRK-TYP-002	TRACK TYPICAL SECTIONS			
106	W3-TRK-TYP-003	TRACK TYPICAL SECTIONS			
107	W3-TRK-TYP-004	TRACK TYPICAL SECTIONS			
108	W3-TRK-TYP-005	TRACK TYPICAL SECTIONS			
109	W3-TRK-TYP-006	TRACK TYPICAL SECTIONS			
110	W3-TRK-TYP-007	TRACK TYPICAL SECTIONS			
111	W3-TRK-TYP-008	TRACK TYPICAL SECTIONS			
112	W3-TRK-TYP-009	TRACK TYPICAL SECTIONS			
113	W3-TRK-TYP-010	TRACK TYPICAL SECTIONS			
114	W3-TRK-TYP-011	TRACK TYPICAL SECTIONS			
115	W3-TRK-TYP-012	TRACK TYPICAL SECTIONS			
116	W3-TRK-TYP-013	TRACK TYPICAL SECTIONS			
117	W3-TRK-TYP-014	TRACK TYPICAL SECTIONS			
118	W3-TRK-TYP-015	TRACK TYPICAL SECTIONS			
119	W3-TRK-TYP-016	TRACK TYPICAL SECTIONS			
120	W3-TRK-TYP-017	TRACK TYPICAL SECTIONS			
121	W3-TRK-TYP-018	TRACK TYPICAL SECTIONS			
122	W3-TRK-TYP-019	TRACK TYPICAL SECTIONS			
123	W3-TRK-TYP-020	TRACK TYPICAL SECTIONS			
124	W3-TRK-TYP-021	TRACK TYPICAL SECTIONS			
125	W3-TRK-TYP-022	TRACK TYPICAL SECTIONS			
126	W3-TRK-TYP-023	TRACK TYPICAL SECTIONS			
127	W3-TRK-TYP-024	TRACK TYPICAL SECTIONS			
128	W3-TRK-TYP-025	TRACK TYPICAL SECTIONS			
129	W3-TRK-TYP-026	TRACK TYPICAL SECTIONS			
130	W3-TRK-TYP-027	TRACK TYPICAL SECTIONS			
131	W3-TRK-TYP-028	TRACK TYPICAL SECTIONS			
132	W3-TRK-TYP-029	TRACK TYPICAL SECTIONS			
133	W3-TRK-TYP-030	TRACK TYPICAL SECTIONS			
134	W3-TRK-TYP-031	TRACK TYPICAL SECTIONS			
135	W3-TRK-TYP-032	TRACK TYPICAL SECTIONS			
136	W3-TRK-TYP-033	TRACK TYPICAL SECTIONS			
137	W3-TRK-TYP-034	TRACK TYPICAL SECTIONS			
138	W3-TRK-TYP-035	TRACK TYPICAL SECTIONS			
139	W3-TRK-TYP-036	TRACK TYPICAL SECTIONS			
140	W3-TRK-TYP-037	TRACK TYPICAL SECTIONS			
141	W3-TRK-TYP-038	TRACK TYPICAL SECTIONS			
142	W3-TRK-TYP-039	TRACK TYPICAL SECTIONS			
143	W3-TRK-TYP-040	TRACK TYPICAL SECTIONS			

CIVIL CONSTRUCTION

SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV
144	W3-TRK-TYP-041	TRACK TYPICAL SECTIONS			
145	W3-TRK-TYP-042	TRACK TYPICAL SECTIONS			
146	W3-TRK-TYP-043	TRACK TYPICAL SECTIONS			
147	W3-TRK-TYP-044	TRACK TYPICAL SECTIONS			
148	W3-TRK-TYP-045	TRACK TYPICAL SECTIONS			
149	W3-TRK-TYP-046	TRACK TYPICAL SECTIONS			
150	W3-TRK-TYP-047	TRACK TYPICAL SECTIONS			
151	W3-TRK-TYP-048	TRACK TYPICAL SECTIONS			
152	W3-TRK-TYP-049	TRACK TYPICAL SECTIONS			
153	W3-TRK-TYP-050	TRACK TYPICAL SECTIONS			
154	W3-TRK-TYP-051	TRACK TYPICAL SECTIONS			
155	W1-TRK-LAY-001	TRACK PLAN SHEET LAYOUT SHEET 1			
156	W2-TRK-LAY-001	TRACK PLAN SHEET LAYOUT SHEET 2			
157	W3-TRK-LAY-001	TRACK PLAN SHEET LAYOUT SHEET 3			
158	W1-TRK-PRF-001	TRACK PLAN AND PROFILE	2077+80	2084+00	
159	W1-TRK-PRF-002	TRACK PLAN AND PROFILE	2084+00	2089+50	
160	W1-TRK-PRF-003	TRACK PLAN AND PROFILE	2089+50	2096+00	
161	W1-TRK-PRF-004	TRACK PLAN AND PROFILE	2096+00	2103+00	
162	W1-TRK-PRF-005	TRACK PLAN AND PROFILE	2103+00	2109+50	
163	W1-TRK-PRF-006	TRACK PLAN AND PROFILE	2109+50	2114+00	
164	W1-TRK-PRF-007	TRACK PLAN AND PROFILE	2114+00	2120+50	
165	W1-TRK-PRF-008	TRACK PLAN AND PROFILE	2120+50	2126+50	
166	W1-TRK-PRF-009	TRACK PLAN AND PROFILE	2126+50	2133+50	
167	W1-TRK-PRF-010	TRACK PLAN AND PROFILE	2133+50	2140+50	
168	W1-TRK-PRF-011	TRACK PLAN AND PROFILE	2140+50	2147+50	
169	W1-TRK-PRF-012	TRACK PLAN AND PROFILE	2147+50	2154+50	
170	W1-TRK-PRF-013	TRACK PLAN AND PROFILE	2154+50	2161+00	
171	W1-TRK-PRF-014	TRACK PLAN AND PROFILE	2161+00	2165+50	
172	W1-TRK-PRF-015	TRACK PLAN AND PROFILE	2165+50	2169+50	
173	W1-TRK-PRF-016	TRACK PLAN AND PROFILE	2169+50	2173+69.94	
174	W2-TRK-PRF-001	TRACK PLAN AND PROFILE	2206+00	2213+00	
175	W2-TRK-PRF-002	TRACK PLAN AND PROFILE	2213+00	2220+50	
176	W2-TRK-PRF-003	TRACK PLAN AND PROFILE	2220+50	2227+50	
177	W2-TRK-PRF-004	TRACK PLAN AND PROFILE	2227+50	2234+50	
178	W2-TRK-PRF-005	TRACK PLAN AND PROFILE	2234+50	2240+50	
179	W2-TRK-PRF-006	TRACK PLAN AND PROFILE	2240+50	2247+50	
180	W2-TRK-PRF-007	TRACK PLAN AND PROFILE	2247+50	2254+50	
181	W2-TRK-PRF-008	TRACK PLAN AND PROFILE	2254+50	2261+50	
182	W2-TRK-PRF-009	TRACK PLAN AND PROFILE	2261+50	2268+50	
183	W2-TRK-PRF-010	TRACK PLAN AND PROFILE	2268+50	2275+50	
184	W2-TRK-PRF-011	TRACK PLAN AND PROFILE	2275+50	2282+50	
185	W2-TRK-PRF-012	TRACK PLAN AND PROFILE	2282+50	2289+50	
186	W2-TRK-PRF-013	TRACK PLAN AND PROFILE	2289+50	2295+00	
187	W2-TRK-PRF-014	TRACK PLAN AND PROFILE	2295+00	2302+00	
188	W2-TRK-PRF-014A	TRACK TYPICAL SECTIONS	1299+00	1302+00	
189	W2-TRK-PRF-015	TRACK PLAN AND PROFILE	2302+00	2308+50	
190	W2-TRK-PRF-015A	TRACK TYPICAL SECTIONS	1302+00	1308+50	
191	W2-TRK-PRF-016	TRACK PLAN AND PROFILE	2308+50	2315+00	
192	W2-TRK-PRF-016A	TRACK TYPICAL SECTIONS	1308+50	1315+00	
193	W2-TRK-PRF-017	TRACK PLAN AND PROFILE	2315+00	2320+55.80	
194	W2-TRK-PRF-017A	TRACK TYPICAL SECTIONS	1315+00	1316+00	
195	W3-TRK-PRF-001	TRACK PLAN AND PROFILE	2335+00	2339+50	
196	W3-TRK-PRF-002	TRACK PLAN AND PROFILE	2339+50	2345+50	
197	W3-TRK-PRF-003	TRACK PLAN AND PROFILE	2345+50	2352+50	
198	W3-TRK-PRF-004	TRACK PLAN AND PROFILE	2352+50	2359+50	
199	W3-TRK-PRF-005	TRACK PLAN AND PROFILE	2359+50	2366+50	
200	W3-TRK-PRF-006	TRACK PLAN AND PROFILE	2366+50	2373+50	
201	W3-TRK-PRF-007	TRACK PLAN AND PROFILE	2373+50	2378+50	
202	W3-TRK-PRF-008	TRACK PLAN AND PROFILE	2378+50	2384+50	
203	W3-TRK-PRF-009	TRACK PLAN AND PROFILE	2384+50	2391+00	
204	W3-TRK-PRF-010	TRACK PLAN AND PROFILE	2391+00	2397+50	
205	W3-TRK-PRF-011	TRACK PLAN AND PROFILE	2397+50	2404+00	
206	W3-TRK-PRF-012	TRACK PLAN AND PROFILE	2404+00	2410+50	
207	W3-TRK-PRF-013	TRACK PLAN AND PROFILE	2410+50	2417+00	
208	W3-TRK-PRF-014	TRACK PLAN AND PROFILE	2417+00	2422+00	
209	W3-TRK-PRF-015	TRACK PLAN AND PROFILE	2422+00	2428+50	
210	W3-TRK-PRF-016	TRACK PLAN AND PROFILE	2428+50	2435+50	
211	W3-TRK-PRF-017	TRACK PLAN AND PROFILE	2435+50	2441+49.22	

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

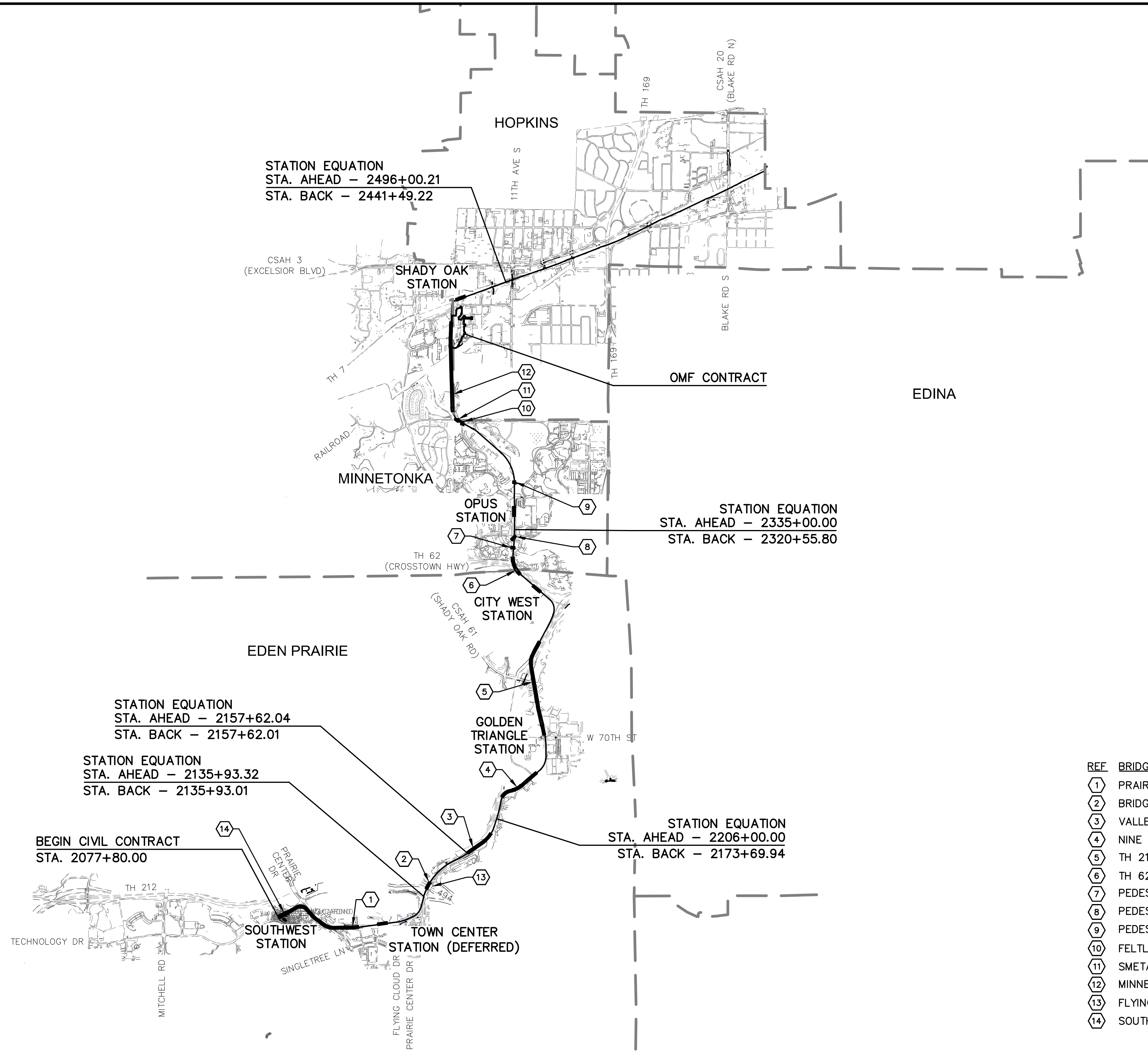
METROPOLITAN COUNCIL

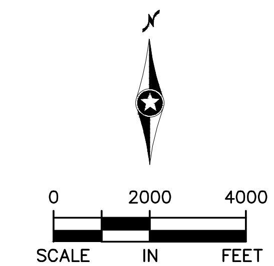
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
GENERAL
VOLUME INDEX OF PLAN SHEETS

DISCIPLINE: GENERAL

SHEET NAME: 00-GEN-IDX-001





REF	BRIDGE DESCRIPTION	BRIDGE NUMBER
1	PRAIRIE CENTER DRIVE BRIDGE	27C06
2	BRIDGE OVER I–494	27W32
3	VALLEY VIEW RD BRIDGE	27R33
4	NINE MILE CREEK BRIDGE	27C07
5	TH 212 / SHADY OAK ROAD BRIDGE	27R34
6	TH 62 TUNNEL	27W33
7	PEDESTRIAN UNDERPASS #2	27J63
8	PEDESTRIAN UNDERPASS #1	27J62
9	PEDESTRIAN UNDERPASS #5	R0715
10	FELTL ROAD BRIDGE	27C08
11	SMETANA ROAD BRIDGE	27C09
12	MINNETONKA / HOPKINS LRT BRIDGE	R0686
13	FLYING CLOUD DRIVE BRIDGE MODIFICATIONS	27762 BA
14	SOUTHWEST STATION BUS LOOP BRIDGE	XXXXX

BA – BID ALTERNATE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

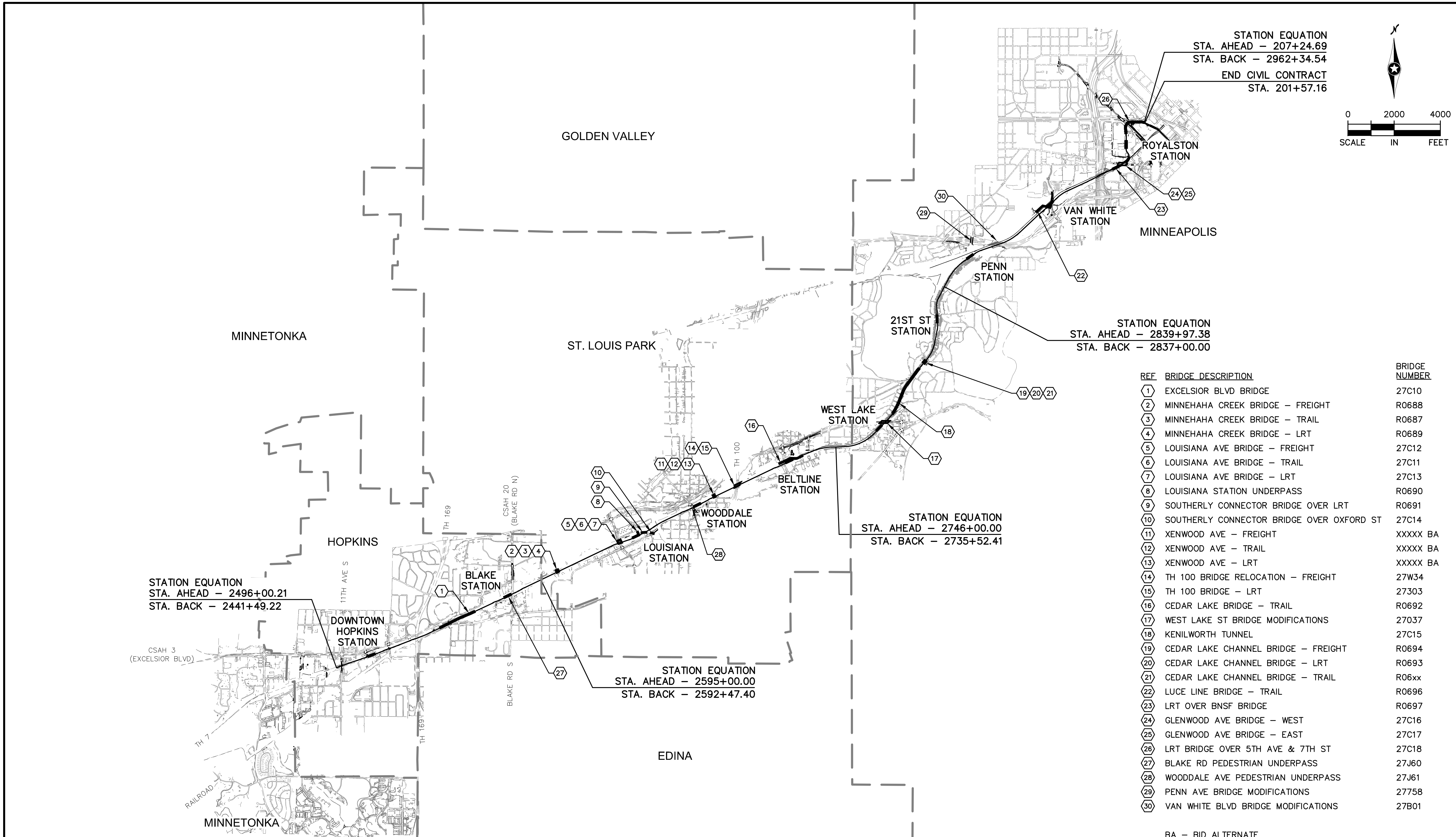
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
GENERAL
KEY MAP
SHEET 1

DISCIPLINE: GENERAL

SHEET NAME: W0-GEN-KEY-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
28	WOODDALE AVE PEDESTRIAN UNDERPASS	27J61
29	PENN AVE BRIDGE MODIFICATIONS	27758
30	VAN WHITE BLVD BRIDGE MODIFICATIONS	27B01

BA – BID ALTERNATE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
GENERAL
KEY MAP
SHEET 2

DISCIPLINE: GENERAL

SHEET NAME: E0-GEN-KEY-002

SHEET 4 OF 211

Jan. 16 2016 03:21 pm V:\3400_ADC\CAD MANAGEMENT\DRAWING LIST\COVER SHEETS 90%\E0-GEN-KEY.dwg By: V-KriewaMR

SYMBOLS

	PROPOSED DIRECTIONAL LANE USE
	EXISTING DIRECTIONAL LANE USE
	FLASHER (FREIGHT & PEDESTRIAN)
	CROSSING GATE (FREIGHT & LRT)
	CANTILEVER SIGNAL
	RAIL TURNOUT
	RAIL CROSSOVER (DOUBLE)
	RAIL CROSSOVER (SINGLE)
	POINT OF SWITCH (PS)
	OCS POLE FOUNDATION
	RAIL LUBRICATOR
	POINT OF INTERSECTION (PI)
W2-200	RAILROAD CURVE NUMBER
	ACCESSIBLE PEDESTRIAN CURB RAMP (DESIGN VARIES)
	HANDICAP PARKING STALL
	TACTILE WARNING STRIP
	TPSS BUILDING (TPSS-SW###) - NIC TUNNEL SYSTEMS HOUSE (TSY-SW###) - NIC
	SIGNAL / COMMUNICATION HOUSE - NIC
	STORM SEWER MANHOLE
	STORM SEWER CATCH BASIN
	STORM SEWER FLARED END SECTION
	STORM SEWER CLEAN-OUT
	STORM SEWER PUMP STATION
DTXX INV XXX.XX	DRAINTILE ID
XXXX - ST	STORM SEWER STRUCTURE ID
C E	BUS SHELTER
	ROADWAY / PEDESTRIAN LIGHT

LINETYPES

	ROADWAY ℄
	TRACK ℄ (LRT)
	TRACK ℄ (FRT)
	RETAINING WALL
	BALLAST CURB
	TUNNEL WALL
x x x	FENCE
	EX ROW
	PROP ROW
	PROP TCE
	PROP PE
	FENCE / RAILING
ID ID	FREIGHT INTRUSION DETECTION
	CONCRETE CURB AND GUTTER
	TRAIL (WIDTH VARIES)
	SIDEWALK
	DRIVEWAY
	BRIDGE
	SAWCUT
	DELINEATED WETLAND
	BMP (NWL) WATER EDGE
	PROPOSED FLOODPLAIN MITIGATION AREA
	SILT FENCE
	BALE BARRIER
	STORM SEWER
	CASING PIPE
	PIPE REMOVAL
	STRUCTURE REMOVAL
	FLOATING SILT FENCE
	SUPER DUTY SILT FENCE
	CONSTRUCTION LIMITS
	ROCK WEEPER
	DIVERSION DITCH
	OVERLAND FLOW
	CROSSWALK
	STOP BAR
	MEDIAN NOSE
EP-EP-18	WETLAND ID

CONSTRUCTION PACKAGE NOTE

NOTE: THE SWLRT CONSTRUCTION IS BEING IMPLEMENTED THROUGH THREE MAIN CONSTRUCTION PACKAGES; CIVIL, SYSTEMS & TUNNEL FACILITIES (SYS), AND OPERATIONS & MAINTENANCE FACILITY (OMF). CERTAIN SYS AND OMF SYMBOLS ARE SHOWN ON THE CIVIL CONTRACT PLANS FOR INFORMATION ONLY AND CERTAIN FACILITIES ARE NOT PART OF THE CIVIL CONTRACT.

ABBREVIATIONS

3-2 (EG)	SIGNAL HEAD NUMBER (PHASE 3, NO. 2)
AD	ALGEBRAIC DIFFERENCE
AVE	AVENUE
AWF	ADVANCE WARNING FLASHER
BA	BID ALTERNATE
BGN	BEGIN
BP	BEGINNING POINT
BVCE	BEGINNING VERTICAL CURVE ELEVATION
BVCS	BEGINNING VERTICAL CURVE STATION
BLVD	BOULEVARD
BMP	BEST MANAGEMENT PRACTICE
BNSF	BURLINGTON NORTHERN SANTA FE RAILWAY
C&G	CURB AND GUTTER
℄	CENTERLINE
CB	CATCH BASIN
CE	CLEARANCE ENVELOPE
CIR	CIRCLE
CO	DRAINTILE CLEANOUT STRUCTURE
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
DT	DRAINTILE
DTL	DETAIL
DWY	DRIVEWAY
E	EAST
Ea	ACTUAL SUPERELEVATION (INCHES)
EB	EAST BOUND
EL or ELEV	ELEVATION
EP	ENDING POINT
ESMT	EASEMENT
Eu	UNBALANCED SUPERELEVATION (INCHES)
EVCE	ENDING VERTICAL CURVE ELEVATION
EVCS	ENDING VERTICAL CURVE STATION
EVP	EMERGENCY VEHICLE PRE-EMPTION
EX	EXISTING
FES	FLARED END SECTION
FYA	FLASHING YELLOW ARROW
GR RD	GROUND ROD
GRN	GREEN INDICATION
HCRRA	HENNEPIN COUNTY REGIONAL RAILROAD AUTHORITY
INL	BRIDGE DRAIN INLET
INS GR	INSULATED GROUND
IP	INPLACE
LED	LIGHT EMITTING DIODE
LH	LEFT HAND
LN	LANE
LRCI	LOCALLY REQUESTED CAPITAL INVESTMENT
LRT	LIGHT RAIL TRANSIT
LRV	LIGHT RAIL VEHICLE
LT	LEFT
LUM	LUMINAIRE
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
NWL	NORMAL WATER LINE
OCS	OUTLET CONTROL SYSTEM
OCS	OVERHEAD CONTACT SYSTEM
OMF	OPERATIONS AND MAINTENANCE FACILITY
OH	OVERHEAD
P1-1 (EG)	PEDESTRIAN HEAD (PHASE 1, NO. 1)
PB2-1 (EG)	PUSHBUTTON (PHASE 2, NO. 1)
PC	POINT OF CURVE
PE	PERMANENT EASEMENT
PED	PEDESTRIAN
PITO	POINT OF INTERSECTION OF TURNOUT
PKWY	PARKWAY
POB	POINT OF BEGINNING
POE	POINT OF ENDING
POT	POINT ON TANGENT
PROP	PROPOSED
PS	POINT OF SWITCH
PT	POINT OF TANGENT
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS (FEET)
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RL	RAIL LUBRICATOR
r	RATE OF CHANGE VERTICAL CURVE
RH	RIGHT HAND
ROW	RIGHT OF WAY
RT	RIGHT
S	SOUTH
SB	SOUTH BOUND
SC	SPIRAL TO CURVE
SIG-COMM	SIGNAL COMMUNICATION
SOP	SOURCE OF POWER
ST	STREET
ST	SPIRAL TO TANGENT
ST	STORM MANHOLE STRUCTURE
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
VDE	VEHICLE DYNAMIC ENVELOPE
W	WEST
WB	WEST BOUND
WLK	WALK INDICATION

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	NOT USED
TRAIL H	10' CONNECTOR TRAIL/EAST OF PENN STATION TO KENWOOD PKWY
TRAIL I	10' CONNECTOR TRAIL FROM CEDAR LAKE REGIONAL TRAIL TO CSAH 20 (BLAKE RD)
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	10' CONNECTOR TRAIL FROM CEDAR LAKE REGIONAL TRAIL TO CSAH 20 (BLAKE RD)
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	10' CONNECTOR TRAIL FROM CEDAR LAKE REGIONAL TRAIL TO BELTLINE BLVD
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
TRAIL X	NOT USED
TRAIL Y	12' CONNECTOR TRAIL FROM CEDAR LAKE REGIONAL TRAIL TO WOODDALE AVE S
TRAIL Z	12' CONNECTOR TRAIL FROM CEDAR LAKE REGIONAL TRAIL TO WOODDALE AVE S
TRAIL AA	8' PEDESTRIAN CONNECTOR TRAIL FROM TRAIL B TO PENN STATION
TRAIL BB	8' PEDESTRIAN CONNECTOR TRAIL FROM TRAIL B TO PENN STATION
TRAIL CC	10' CONNECTOR TRAIL FROM KENILWORTH TRAIL (MAIN) TO PENN STATION

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
GENERAL
NOTES, ABBREVIATIONS, AND SYMBOLS
SHEET 2

DISCIPLINE: GENERAL

SHEET NAME: 00-GEN-NTS-002

TRACK GENERAL NOTES

1. THE EASTBOUND (EB) TRACK IS THE RIGHT TRACK AND IS USED FOR HORIZONTAL ALIGNMENT CONTROL FOR THE PROJECT. THIS TRACK ALIGNMENT IS REFERENCED AS TRACK 2. PROFILE AND CROSS SECTION STATIONING FOR THIS PROJECT ARE BASED ON STATIONS ESTABLISHED FOR THE TRACK 2 CENTER LINE. TRACK 2 STATION EQUATIONS OCCUR AT SEGMENT LIMITS AND AT THE CIVIL WEST/CIVIL EAST MATCH POINT.
2. THE WESTBOUND (WB) TRACK IS THE LEFT TRACK AND HAS A SEPARATELY DEFINED GEOMETRY WITH STATION EQUALITIES, TO THE TRACK 2 CENTER LINE, AT SPIRAL–TO–TANGENT (ST) POINTS. THIS TRACK ALIGNMENT IS REFERENCED AS TRACK 1.
3. TRACK CENTER DISTANCES ARE MEASURED PERPENDICULAR TO THE TRACK 2 CENTER LINE AND ARE LABELED AT ENDS OF DOUBLE TANGENT TRACKS, AT THE MAXIMUM TRACK SPACING IN HORIZONTAL CURVES, AND AT SELECT CARDINAL POINTS IN TRACK WIDENING AND NARROWING SEGMENTS.
4. SUPERELEVATION IS ATTAINED (AND REMOVED) LINEARLY THROUGH THE FULL LENGTH OF THE SPIRAL TRANSITION CURVES BY MAINTAINING TOP OF INSIDE (LOW) RAIL AT PROFILE GRADE AND BY RAISING (AND LOWERING) OUTSIDE RAIL AN AMOUNT EQUAL TO THE ACTUAL SUPERELEVATION (Ea).
5. OCS POLES ARE NOT IN CONTRACT (NIC) AND ARE SHOWN FOR REFERENCE ONLY.
6. TRACK PLANS AND TYPICAL SECTIONS INCLUDE ELEMENTS SUCH AS, BUT NOT LIMITED TO, FENCING, TRAILS, BRIDGES, RETAINING WALLS, TUNNELS, ROADWAYS, DRAINAGE, STATIONS AND SYSTEMS. DETAILS FOR THESE ITEMS ARE INCLUDED IN THEIR RESPECTIVE VOLUMES.
7. WORK IN AREAS PARALLEL TO ACTIVE FREIGHT RAILROAD SHALL MAINTAIN SAFE WORKING DISTANCES FROM ACTIVE FREIGHT TRACK. IF SAFE WORKING DISTANCES ARE NOT POSSIBLE, WORK SHALL BE DONE WITH THE FULL KNOWLEDGE AND APPROVAL OF THE OPERATING RAILROAD AND UTILIZE AN OPERATING RAILROAD FLAGMAN AS REQUIRED. REFER TO THE CONTRACT SPECIFICATIONS REGARDING RESTRICTIONS FOR PERFORMANCE WORK NEAR ACTIVE RAIL LINES.
8. RESTRAINING RAILS ARE NOT SHOWN ON TYPICAL SECTIONS FOR CLARITY. SEE TRACK CHARTS AND TRACK DETAILS FOR LOCATION AND DETAILS.

Jan. 18 2016 10:30 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W0-TRK-NTS.dwg By: V-BurrellM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TRACK NOTES
SHEET 1

DISCIPLINE: TRACK

SHEET NAME: W0-TRK-NTS-001

SOIL CORRECTION TABLE

APPROXIMATE STATIONING		SELECT GRANULAR	AVERAGE SUBCUT		APPROXIMATE STATIONING		SELECT GRANULAR	AVERAGE SUBCUT
START	END				START	END		
2108+36	2110+50	1'	10'		2295+50	2305+00	3'-4"	18'
2110+50	2116+00	3'-4"	14 1/2'		2310+80	2314+25	3'-4"	14'
2116+00	2127+80	1'	8'		2314+25	2315+50	3'-4"	1'
2127+80	2129+50	2'	5'		2315+50	2317+50	1'	1'
2129+50	2138+50	1'	1 1/2'		2317+50	2319+00	3'-4"	1 1/2'
2138+50	2138+90	3'-4"	3 1/2'		2319+00	2339+50	1'	1 1/2'
2140+80	2145+00	3'-4"	1'		2339+50	2342+65	3'-4"	1'
2145+00	2148+50	2'	7'		2342+65	2346+00	1'	1'
2148+50	2154+40	1'	5'		2346+00	2348+25	3'-4"	1'
2154+40	2157+95	3'-4"	2'		2348+25	2349+75	1'	3'
2167+91	2169+15	3'-4"	4'		2349+75	2351+15	3'-4"	4'
2169+15	2171+30	1'	1'		2351+35	2354+00	3'-4"	5'
2171+30	2213+94	3'-4"	1'		2354+00	2359+00	3'-4"	3'
2227+95	2233+00	3'-4"	1'		2359+00	2375+00	3'-4"	10'
2233+00	2238+00	3'-4"	12'		2375+00	2379+00	1'	22'
2238+00	2241+00	1'	15'		2379+00	2384+15	3'-4"	28 1/2'
2241+00	2242+75	2'	7'		2384+15	2384+93	1'	2'
2242+75	2246+00	*	4'		2414+93	2418+10	2'	2'
2275+00	2287+00	3'-4"	1 1/2'		2418+10	2423+81	1'	7'
2287+00	2290+50	1'	12'		2423+81	2426+51	3'-4"	7'
2290+50	2295+50	3'-4"	9'		2426+51	2441+50	1'	6'

NOTES:
- ASSUMED RAIL SECTION
  - BALLAST – 12 IN
  - SUBBABLAST – 8 IN
- * PILE SUPPORTED AREA. SLAB, SUBBALLAST, AND SELECT GRANULAR MATERIAL SHOULE TOTAL 5.5 FEET.
- TRANSITIONS BETWEEN THICKNESS OF SELECT GRANULAR SHOULD BE 20H:1V.
- IN AREAS OF CUT, A MINIMUM OF AN ADDITIONAL 1 ' SUBCUT TO REWORK AND RECOMPACT THE SOIL BELOW THE SELECT GRANULAR WILL BE REQUIRED TO PROVIDE A MORE CONSISTENT BASE.

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
SOIL CORRECTION TABLE
SHEET 1

DISCIPLINE: TRACK

SHEET NAME: W0-TRK-NTS-001

TRACK 2 ALIGNMENT

DESCRIPTION	POINT DESC.	STATIONING	COORDINATES		SPIRAL AND CURVE DATA / EQUATIONS				TANGENT	
			NORTHING	EASTING					DISTANCE	BEARING
TIE IN	BP	2077+80.00	125002.0754	484012.5295						
TRACK AHEAD									437.36'	N 61° 45' 32'' E
N0. 8 DOUBLE CROSSOVER	PS	2082+17.36	125209.0272	484397.8278						
	TRACK AHEAD								20.93'	N 61° 45' 32'' E
	PITO	2082+38.29	125218.9309	484416.2663						
	TRACK AHEAD								111.56'	N 61° 45' 32'' E
	PITO	2083+49.85	125271.7197	484514.5473						
	TRACK AHEAD								20.93'	N 61° 45' 32'' E
	PS	2083+70.78	125281.6235	484532.9859						
TRACK AHEAD									73.83'	N 61° 45' 32'' E
CURVE W1-200	TS	2084+44.61	125438.5990	484598.0281	Ls1 =	120.00'				
	SC	2085+64.61	125364.5924	484707.6604	I =	76° 20' 33'' RT	Ea =	2.50''		
	PI	2087+02.91	125438.7803	484825.5769	Rc =	250.00'	Eu =	3.84''		
	CS	2087+77.72	125328.9456	484911.2768	Lc =	213.11'	V =	20 MPH		
	ST	2088+97.72	125246.5242	484998.0705	Ls2 =	120.00'				
TRACK AHEAD									204.25'	S 41° 53' 55'' E
CURVE W1-201	TS	2091+01.97	125094.4961	485134.4711	Ls1 =	40.00'				
	SC	2091+41.97	125064.8890	485161.3666	I =	11° 56' 46'' LT	Ea =	1.00''		
	PI	2092+34.97	124995.4974	485223.2935	Rc =	1080.00'	Eu =	1.29''		
	CS	2093+27.14	124940.8256	485298.5340	Lc =	185.18'	V =	25 MPH		
	ST	2093+67.14	124917.0280	485330.6840	Ls2 =	40.00'				
TRACK AHEAD									256.80'	S 53° 50' 41'' E
CURVE W1-202	TS	2096+23.94	124765.5246	485538.0264	Ls1 =	80.00'				
	SC	2097+03.94	124720.0436	485603.8137	I =	36° 52' 44'' LT	Ea =	2.25''		
	PI	2098+34.15	124641.5052	485707.7551	Rc =	510.00'	Eu =	2.60''		
	CS	2099+52.21	124645.2408	485837.9784	Lc =	248.27'	V =	25 MPH		
	ST	2100+32.21	124644.1602	485917.9493	Ls2 =	80.00'				
TRACK AHEAD									580.59'	N 89° 16' 35'' E
CURVE W1-203	TS	2106+12.79	124651.4930	486498.4904	Ls1 =	60.00'				
	SC	2106+72.79	124652.5507	486558.4804	I =	07° 02' 29'' LT	Ea =	1.00''		
	PI	2107+65.85	124653.4260	486651.5311	Rc =	2000.00'	Eu =	1.43''		
	CS	2108+58.58	124666.2958	486743.6916	Lc =	185.79'	V =	35 MPH		
	ST	2109+18.58	124674.1049	486803.1806	Ls2 =	60.00'				
TRACK AHEAD									1220.81'	N 82° 14' 06'' E
CURVE W1-207	TS	2121+39.39	124839.0474	488012.7927	Ls1 =	140.00'				
	SC	2122+79.39	124860.6529	488151.0941	I =	15° 38' 29'' LT	Ea =	1.00''		
	PI	2123+74.30	124870.7856	488245.5463	Rc =	1200.00'	Eu =	3.04''		
	CS	2124+66.98	124911.0042	488331.6065	Lc =	187.59'	V =	35 MPH		
	ST	2126+06.98	124964.1028	488461.1233	Ls2 =	140.00'				
TRACK AHEAD									77.81'	N 66° 35' 37'' E

DESCRIPTION	POINT DESC.	STATIONING	COORDINATES		SPIRAL AND CURVE DATA / EQUATIONS				TANGENT	
			NORTHING	EASTING					DISTANCE	BEARING
CURVE W1-208	TS	2126+84.79	124995.0142	488532.5333	Ls1 =	150.00'				
	SC	2128+34.79	125061.2105	488666.9760	I =	52° 54' 10'' LT	Ea =	4.50''		
	PI	2130+14.39	125125.9463	488835.0066	Rc =	510.00'	Eu =	2.49''		
	CS	2131+55.69	125302.4915	488870.4578	Lc =	320.90'	V =	30 MPH		
	ST	2133+05.69	125446.1770	488913.0168	Ls2 =	150.00'				
TRACK AHEAD									67.32'	N 13° 41' 27'' E
CURVE W1-209	TS	2133+73.01	125511.5801	488928.9494	Ls1 =	220.00'				
	SC	2135+93.32	125724.3101	488984.9221	I =	49° 13' 35'' RT	Ea =	1.00''		
	PI	2144+00.00	126509.0870	489171.9483	Rc =	2000.00'	Eu =	3.95''		
	CS	2150+91.64	126872.7887	489892.0696	Lc =	1498.32'	V =	50 MPH		
	ST	2153+11.64	126976.5095	490086.0515	Ls2 =	220.00'				
STATION EQUATION	ST	2135+93.01 BK								
		2135+93.32 AH								
TRACK AHEAD									90.07'	N 65° 55' 02'' E
CURVE W1-210	TS	2154+01.72	127017.5178	490166.2483	Ls1 =	100.00'				
	SC	2155+01.72	127063.7845	490254.8984	I =	07° 27' 24'' LT	Ea =	2.00''		
	PI	2155+82.06	127099.6228	490326.8150	Rc =	2000.00'	Eu =	2.01''		
	CS	2156+62.01	127145.8641	490392.5276	Lc =	160.29'	V =	45 MPH		
	ST	2157+62.04	127201.8715	490475.3685	Ls2 =	100.00'				
STATION EQUATION	ST	2157+62.01 BK								
		2157+62.04 AH								
TRACK AHEAD									547.90'	N 55° 27' 38'' E
CURVE W1-211	TS	2163+09.94	127512.5161	490926.6931	Ls1 =	210.00'				
	SC	2165+19.94	127638.0004	491094.9271	I =	37° 40' 41'' LT	Ea =	4.50''		
	PI	2167+29.47	127750.3774	491272.2734	Rc =	920.00'	Eu =	4.22''		
	CS	2169+14.94	127952.5926	491328.7475	Lc =	395.00'	V =	45 MPH		
	ST	2171+24.94	128149.8614	491400.3995	Ls2 =	210.00'				
TRACK AHEAD									245.00'	N 17° 46' 57'' E
TIE IN	EP	2173+69.94	128383.1552	491475.2236						

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
ALIGNMENT DATA
SHEET 1

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-ALG-001

TRACK 1 ALIGNMENT

DESCRIPTION	POINT DESC.	STATIONING	COORDINATES		SPIRAL AND CURVE DATA / EQUATIONS				TANGENT	
			NORTHING	EASTING					DISTANCE	BEARING
TIE IN	BP	1077+80.00	125014.4089	484005.9050						
TRACK AHEAD									437.36'	N 61° 45' 32'' E
N0. 8 DOUBLE CROSSOVER	PS	1082+17.36	125211.3607	484391.2032						
	TRACK AHEAD								20.93'	N 61° 45' 32'' E
	PITO	1082+38.29	125231.2644	484409.6417						
	TRACK AHEAD								111.56'	N 61° 45' 32'' E
	PITO	1083+49.85	125284.0532	484507.9227						
	TRACK AHEAD								20.93'	N 61° 45' 32'' E
	PS	1083+70.78	125293.9570	484526.3613						
TRACK AHEAD									84.84'	N 61° 45' 32'' E
CURVE W1-100	TS	1084+55.62	125334.1002	484601.0990	Ls1 =	120.00'				
	SC	1085+75.62	125382.1336	484710.7313	I =	76° 20' 33'' RT	Ea =	2.50''		
	PI	1087+13.91	125456.3214	484828.6478	Rc =	250.00'	Eu =	3.84''		
	CS	1087+88.72	125346.4867	484914.3477	Lc =	213.11'	V =	20 MPH		
	ST	1088+86.71	125264.0653	485001.1414	Ls2 =	120.00'				
STATION EQUATION	ST	1089+08.72 BK								
		1088+86.71 AH								
TRACK AHEAD									213.79'	S 41° 53' 55'' E
CURVE W1-101	TS	1091+00.50	125104.9358	485143.9135	Ls1 =	40.00'				
	SC	1091+40.50	125075.3287	485170.8090	I =	11° 56' 46'' LT	Ea =	1.00''		
	PI	1092+33.50	125005.9371	485232.7359	Rc =	1080.00'	Eu =	1.29''		
	CS	1093+25.68	124951.2653	485307.9763	Lc =	185.18'	V =	25 MPH		
	ST	1093+65.68	124927.4677	485340.1264	Ls2 =	40.00'				
STATION EQUATION	ST	1093+65.68 BK								
		1093+68.61 AH								
TRACK AHEAD									250.66'	S 53° 50' 41'' E
CURVE W1-102	TS	1096+19.27	124779.5825	485542.5171	Ls1 =	80.00'				
	SC	1096+99.27	124734.1014	485608.3044	I =	36° 52' 44'' LT	Ea =	2.25''		
	PI	1098+29.48	124655.5631	485712.2458	Rc =	510.00'	Eu =	2.60''		
	CS	1099+47.54	124659.2987	485842.4691	Lc =	248.27'	V =	25 MPH		
	ST	1100+27.54	124658.2180	485922.4400	Ls2 =	80.00'				
STATION EQUATION	ST	1100+27.54 BK								
		1100+36.87 AH								
TRACK AHEAD									575.06'	N 89° 16' 35'' E
CURVE W1-103	TS	1106+11.93	124665.4810	486497.4523	Ls1 =	60.00'				
	SC	1106+71.93	124666.5387	486557.4423	I =	07° 02' 29'' LT	Ea =	1.00''		
	PI	1107+64.98	124667.4140	486650.4930	Rc =	2000.00'	Eu =	1.43''		
	CS	1108+57.72	124680.2838	486742.6535	Lc =	185.79'	V =	35 MPH		
	ST	1109+17.72	124688.0929	486802.1425	Ls2 =	60.00'				
STATION EQUATION	ST	1109+17.72 BK								
		1109+19.44 AH								
TRACK AHEAD									100.33'	N 82° 14' 06'' E

DESCRIPTION	POINT DESC.	STATIONING	COORDINATES		SPIRAL AND CURVE DATA / EQUATIONS				TANGENT	
			NORTHING	EASTING					DISTANCE	BEARING
CURVE W1-104	TS	1110+19.77	124701.6490	486901.5566	Ls1 =	55.00'				
	SC	1110+74.77	124709.3297	486956.0172	I =	03° 23' 17'' LT	Ea =	1.00''		
	PI	1111+06.43	124713.3568	486987.4158	Rc =	2000.00'	Eu =	1.43''		
	CS	1111+38.04	124719.7271	487018.4240	Lc =	63.27'	V =	35 MPH		
	ST	1111+93.04	124730.1184	487072.4330	Ls2 =	55.00'				
TRACK AHEAD									103.76'	N 78° 50' 49'' E
CURVE W1-105	TS	1112+96.81	124750.1895	487174.2367	Ls1 =	55.00'				
	SC	1113+51.81	124760.5807	487228.2457	I =	03° 23' 17'' RT	Ea =	1.00''		
	PI	1113+83.46	124766.9511	487259.2539	Rc =	2000.00'	Eu =	1.43''		
	CS	1114+15.08	124770.9782	487290.6525	Lc =	63.27'	V =	35 MPH		
	ST	1114+70.08	124778.6588	487345.1131	Ls2 =	55.00'				
STATION EQUATION	ST	1114+70.08 BK								
		1114+69.67 AH								
TRACK AHEAD									407.65'	N 82° 14' 06'' E
CURVE W1-106	TS	1118+77.32	124833.7357	487749.0215	Ls1 =	50.00'				
	SC	1119+27.32	124840.2847	487798.5904	I =	02° 54' 00'' RT	Ea =	1.25''		
	PI	1119+52.94	124843.9537	487823.9554	Rc =	2000.00'	Eu =	1.18''		
	CS	1119+78.55	124845.9195	487849.5088	Lc =	51.23'	V =	35 MPH		
	ST	1120+28.55	124850.3674	487899.3102	Ls2 =	50.00'				
TRACK AHEAD									63.60'	N 85° 08' 06'' E
CURVE W1-107	TS	1120+92.15	124855.7611	487962.6817	Ls1 =	140.00'				
	SC	1122+32.15	124870.3418	488101.8991	I =	18° 32' 29'' LT	Ea =	1.00''		
	PI	1123+58.13	124878.3182	488227.7053	Rc =	1200.00'	Eu =	3.04''		
	CS	1124+80.48	124930.8811	488342.2827	Lc =	248.33'	V =	35 MPH		
	ST	1126+20.48	124983.9796	488471.7996	Ls2 =	140.00'				
STATION EQUATION	ST	1126+20.48 BK								
		1126+24.68 AH								
TRACK AHEAD									53.15'	N 66° 35' 37'' E
CURVE W1-108	TS	1126+77.83	125005.0952	488520.5797	Ls1 =	150.00'				
	SC	1128+27.83	125071.2915	488655.0224	I =	52° 54' 10'' LT	Ea =	4.50''		
	PI	1130+07.43	125136.0273	488823.0530	Rc =	510.00'	Eu =	2.49''		
	CS	1131+48.73	125312.5725	488858.5042	Lc =	320.90'	V =	30 MPH		
	ST	1132+98.73	125456.2580	488901.0632	Ls2 =	150.00'				
STATION EQUATION	ST	1132+98.73 BK								
		1133+12.66 AH								
TRACK AHEAD									66.76'	N 13° 41' 27'' E
CURVE W1-109	TS	1133+79.42	125521.1250	488916.8652	Ls1 =	220.00'				
	SC	1135+99.42	125733.8550	488972.8379	I =	49° 13' 35'' RT	Ea =	1.00''		
	PI	1144+06.10	126518.6320	489159.8640	Rc =	2000.00'	Eu =	3.95''		
	CS	1150+97.75	126882.3337	489879.9854	Lc =	1498.32'	V =	50 MPH		
	ST	1153+17.75	126986.0545	490073.9673	Ls2 =	220.00'				
STATION EQUATION	ST	1153+17.75 BK								
		1153+05.23 AH								
TRACK AHEAD									95.57'	N 62° 55' 02'' E

TRACK 1 ALIGNMENT

DESCRIPTION	POINT DESC.	STATIONING	COORDINATES		SPIRAL AND CURVE DATA / EQUATIONS				TANGENT	
			NORTHING	EASTING					DISTANCE	BEARING
CURVE W1-110	TS	1154+00.80	127029.5673	490159.0622	Ls1 =	100.00'				
	SC	1155+00.80	127075.8341	490247.7123	I =	07° 27' 24'' LT	Ea =	2.00''		
	PI	1155+81.15	127111.6724	490319.6289	Rc =	2000.00'	Eu =	2.01''		
	CS	1156+61.09	127157.9136	490385.3414	Lc =	160.29'	V =	45 MPH		
	ST	1157+61.09	127213.9210	490468.1823	Ls2 =	100.00'				
STATION EQUATION	ST	1157+61.09 BK								
		1157+62.95 AH								
TRACK AHEAD									542.21'	N 55° 27' 38'' E
CURVE W1-111	TS	1163+05.16	127521.3402	490914.8208	Ls1 =	210.00'				
	SC	1165+15.16	127646.8245	491083.0547	I =	37° 40' 41'' LT	Ea =	4.50''		
	PI	1167+24.69	127759.2015	491260.4011	Rc =	920.00'	Eu =	4.22''		
	CS	1169+10.16	127961.4167	491316.8752	Lc =	395.00'	V =	45 MPH		
	ST	1171+20.16	128158.6855	491388.5272	Ls2 =	210.00'				
STATION EQUATION	ST	1171+20.16 BK								
		1171+29.72 AH								
TRACK AHEAD									240.22'	N 17° 46' 57'' E
TIE IN	EP	1173+69.94	128387.4309	491461.8925						

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
ALIGNMENT DATA
SHEET 3

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-ALG-003

TRACK 2 ALIGNMENT

DESCRIPTION	POINT DESC.	STATIONING	COORDINATES		SPIRAL AND CURVE DATA / EQUATIONS				TANGENT	
			NORTHING	EASTING					DISTANCE	BEARING
TIE IN	BP	2206+00.00	128383.1552	491475.2236						
TRACK AHEAD									79.12'	N 17° 46' 57" E
CURVE W2-200	TS	2206+79.12	128458.4971	491499.3879	Ls1 =	80.00'				
	SC	2207+59.12	128534.7984	491523.4291	I =	07° 58' 28" LT	Ea =	1.50"		
	PI	2209+00.36	128669.1630	491566.9546	Rc =	2600.00'	Eu =	1.58"		
	CS	2210+41.00	128808.4064	491590.6098	Lc =	281.87'	V =	45 MPH		
	ST	2211+21.00	128887.1654	491604.6416	Ls2 =	80.00'				
TRACK AHEAD									50.69'	N 09° 48' 29" E
CURVE W2-201	TS	2211+71.69	128937.1163	491613.2768	Ls1 =	120.00'				
	SC	2212+91.69	129054.0761	491639.5753	I =	64° 02' 00" RT	Ea =	3.50"		
	PI	2214+82.69	129243.5726	491666.2551	Rc =	400.00'	Eu =	2.69"		
	CS	2216+18.72	129291.0493	491851.6377	Lc =	327.04'	V =	25 MPH		
	ST	2217+38.72	129330.1236	491964.9709	Ls2 =	120.00'				
TRACK AHEAD									74.98'	N 73° 50' 29" E
CURVE W2-202	TS	2218+13.70	129350.9894	492036.9855	Ls1 =	80.00'				
	SC	2218+93.70	129374.9503	492113.2963	I =	24° 26' 44" LT	Ea =	2.25"		
	PI	2219+83.77	129398.3181	492200.3321	Rc =	600.00'	Eu =	1.88"		
	CS	2220+69.69	129458.3075	492267.5819	Lc =	175.99'	V =	25 MPH		
	ST	2221+49.69	129509.0015	492329.4494	Ls2 =	80.00'				
TRACK AHEAD									777.85'	N 49° 23' 45" E
CURVE W2-203	TS	2229+27.55	130015.2515	492920.0129	Ls1 =	120.00'				
	SC	2230+47.55	130096.5684	493008.1737	I =	50° 13' 01" LT	Ea =	3.50"		
	PI	2232+45.77	130222.3626	493161.6173	Rc =	550.00'	Eu =	2.98"		
	CS	2234+09.60	130420.6483	493154.4145	Lc =	362.05'	V =	30 MPH		
	ST	2235+29.60	130540.5557	493157.0559	Ls2 =	120.00'				
TRACK AHEAD									87.32'	N 00° 49' 17" W
N0. 8 DOUBLE CROSSOVER	PS	2236+16.92	130627.8711	493155.8042						
	TRACK AHEAD								20.93'	N 00° 49' 17" W
	PITO	2236+37.85	130648.7990	493155.5042						
	TRACK AHEAD								111.56'	N 00° 49' 17" W
	PITO	2237+49.41	130760.3483	493153.9051						
	TRACK AHEAD								20.93'	N 00° 49' 17" W
	PS	2237+70.34	130781.2762	493153.6051						
TRACK AHEAD									176.57'	N 00° 49' 17" W
CURVE W2-204	TS	2239+46.91	130957.8250	493151.0743	Ls1 =	90.00'				
	SC	2240+36.91	131047.7752	493148.3638	I =	11° 23' 44" LT	Ea =	1.00"		
	PI	2240+86.73	131097.6285	493149.0701	Rc =	950.00'	Eu =	2.75"		
	CS	2241+35.85	131146.0372	493137.1351	Lc =	98.95'	V =	30 MPH		
	ST	2242+25.85	131234.2800	493119.4829	Ls2 =	90.00'				
TRACK AHEAD									370.08'	N 12° 13' 01" W
CURVE W2-205	TS	2245+95.94	131595.9810	493041.1687	Ls1 =	40.00'				
	SC	2246+35.94	131635.0609	493032.6390	I =	03° 11' 29" LT	Ea =	0.75"		
	PI	2247+27.37	131724.4389	493013.3554	Rc =	4000.00'	Eu =	0.83"		
	CS	2248+18.75	131812.5692	492988.9972	Lc =	182.81'	V =	40 MPH		
	ST	2248+58.75	131851.1491	492978.4336	Ls2 =	40.00'				
TRACK AHEAD									51.64'	N 15° 24' 30" W

DESCRIPTION	POINT DESC.	STATIONING	COORDINATES		SPIRAL AND CURVE DATA / EQUATIONS				TANGENT	
			NORTHING	EASTING					DISTANCE	BEARING
CURVE W2-206	TS	2249+10.39	131900.9314	492964.7134	Ls1 =	60.00'				
	SC	2249+70.39	131958.8301	492948.9747	I =	05° 38' 18" RT	Ea =	1.00"		
	PI	2250+80.73	132065.1563	492919.4523	Rc =	2850.00'	Eu =	1.22"		
	CS	2251+90.85	132173.9401	492900.9343	Lc =	220.46'	V =	40 MPH		
	ST	2252+50.85	132233.0335	492890.5453	Ls2 =	60.00'				
TRACK AHEAD									1239.49'	N 09° 46' 12" W
CURVE W2-207	TS	2264+90.34	133454.5470	492680.2113	Ls1 =	220.00'				
	SC	2267+10.34	133672.7127	492653.5421	I =	37° 43' 20" RT	Ea =	4.00"		
	PI	2268+57.39	133816.2762	492617.9247	Rc =	750.00'	Eu =	4.45"		
	CS	2269+84.12	133941.5574	492696.5611	Lc =	273.78'	V =	40 MPH		
	ST	2272+04.12	134140.5082	492789.9748	Ls2 =	220.00'				
TRACK AHEAD									970.16'	N 27° 57' 08" E
CURVE W2-208A CURVE W2-208B	TS	2281+74.28	134997.4881	493244.7218	LS1 =	40.00'	Ea1 =	1.00"		
	SC1	2282+14.28	135032.8714	493263.3768			Eu1 =	0.94"		
					RC1 =	RC1 = 2500.00'	V1 =	35 MPH		
	CS1	2285+61.79	135351.2718	493401.8983	LC1 =	347.51'				
	PI	2288+89.31	135629.1017	493579.8807	I =	77° 21' 07" LT				
	SC2	2286+61.79	135447.0114	493430.5192	LS2 =	100.00'				
					RC2 =	450.00'	Ea2 =	2.50"		
	CS2	2290+99.16	135851.4329	493315.8783	LC2 =	437.37'	Eu2 =	3.00"		
	ST	2291+89.16	135912.2206	493249.5634	LS3 =	90.00'	V2 =	25 MPH		
TRACK AHEAD									1153.86'	N 49° 23' 59" W
CURVE W2-211	TS	2303+43.02	136663.1288	492373.4719	Ls1 =	170.00'				
	SC	2305+13.02	136778.2039	492248.4570	I =	54° 25' 06" RT	Ea =	4.00"		
	PI	2308+40.07	136986.5966	491996.0791	Rc =	800.00'	Eu =	3.92"		
	CS	2311+02.84	137312.0556	492030.6990	Lc =	589.82'	V =	40 MPH		
	ST	2312+72.84	137481.7391	492039.5609	Ls2 =	170.00'				
TRACK AHEAD									181.58'	N 05° 01' 07" E
CURVE W2-212	TS	2314+54.43	137662.6267	492055.4459	Ls1 =	130.00'				
	SC	2315+84.43	137792.1893	492066.0796	I =	04° 34' 27" LT	Ea =	1.00"		
	PI	2316+71.20	137878.5692	492074.4093	Rc =	3800.00'	Eu =	2.15"		
	CS	2317+57.80	137965.3498	492074.3412	Lc =	173.37'	V =	55 MPH		
	ST	2318+87.80	138095.3363	492076.0908	Ls2 =	130.00'				
TRACK AHEAD									168.00'	N 00° 26' 40" E
TIE IN	EP	2320+55.80	138263.3306	492077.3940						

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
ALIGNMENT DATA
SHEET 4

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-ALG-001

TRACK 1 ALIGNMENT

DESCRIPTION	POINT DESC.	STATIONING	COORDINATES		SPIRAL AND CURVE DATA / EQUATIONS				TANGENT	
			NORTHING	EASTING					DISTANCE	BEARING
TIE IN	BP	1206+00.00	128387.4309	491461.8925						
TRACK AHEAD									78.15'	N 17° 46' 57'' E
CURVE W2-100	TS	1206+78.15	128461.8436	491485.7588	Ls1 =	80.00'				
	SC	1207+58.15	128538.1449	491509.8000	I =	07° 58' 28'' LT	Ea =	1.50''		
	PI	1208+99.38	128672.5094	491553.3255	Rc =	2600.00'	Eu =	1.58''		
	CS	1210+40.02	128811.7529	491576.9807	Lc =	281.87'	V =	45 MPH		
	ST	1211+20.02	128890.5118	491591.0124	Ls2 =	80.00'				
STATION EQUATION	ST	1211+20.02 BK								
		1211+21.97 AH								
TRACK AHEAD									58.47'	N 09° 48' 29'' E
CURVE W2-101	TS	1211+80.44	128948.1270	491600.9726	Ls1 =	120.00'				
	SC	1213+00.44	129065.0869	491627.2711	I =	64° 02' 00'' RT	Ea =	3.50''		
	PI	1214+91.44	129254.5834	491653.9510	Rc =	400.00'	Eu =	2.69''		
	CS	1216+27.48	129302.0600	491839.3335	Lc =	327.04'	V =	25 MPH		
	ST	1217+47.48	129341.1344	491952.6667	Ls2 =	120.00'				
STATION EQUATION	ST	1217+47.48 BK								
		1217+29.97 AH								
TRACK AHEAD									80.70'	N 73° 50' 29'' E
CURVE W2-102	TS	1218+10.67	129363.5923	492030.1764	Ls1 =	80.00'				
	SC	1218+90.67	129387.5532	492106.4872	I =	24° 26' 44'' LT	Ea =	2.25''		
	PI	1219+80.73	129410.9210	492193.5230	Rc =	600.00'	Eu =	1.88''		
	CS	1220+66.66	129470.9105	492260.7728	Lc =	175.99'	V =	25 MPH		
	ST	1221+46.66	129521.6045	492322.6403	Ls2 =	80.00'				
STATION EQUATION	ST	1221+46.66 BK								
		1221+52.73 AH								
TRACK AHEAD									768.26'	N 49° 23' 45'' E
CURVE W2-103	TS	1229+20.99	130021.6108	492905.9203	Ls1 =	120.00'				
	SC	1230+40.99	130102.9277	492994.0811	I =	50° 13' 01'' LT	Ea =	3.50''		
	PI	1232+39.21	130228.7219	493147.5247	Rc =	550.00'	Eu =	2.98''		
	CS	1234+03.04	130427.0076	493140.3219	Lc =	362.05'	V =	30 MPH		
	ST	1235+23.04	130546.9150	493142.9633	Ls2 =	120.00'				
STATION EQUATION	ST	1235+23.04 BK								
		1235+36.16 AH								
TRACK AHEAD									80.76'	N 00° 49' 17'' W
N0. 8 DOUBLE CROSSOVER	PS	1236+16.92	130627.6705	493141.8057						
	TRACK AHEAD								20.93'	N 00° 49' 17'' W
	PITO	1236+37.85	130648.5983	493141.5057						
	TRACK AHEAD								111.56'	N 00° 49' 17'' W
	PITO	1237+49.41	130760.1476	493139.9066						
	TRACK AHEAD								20.93'	N 00° 49' 17'' W
	PS	1237+70.34	130781.0755	493139.6066						
TRACK AHEAD									92.30'	N 00° 49' 17'' W

DESCRIPTION	POINT DESC.	STATIONING	COORDINATES		SPIRAL AND CURVE DATA / EQUATIONS				TANGENT	
			NORTHING	EASTING					DISTANCE	BEARING
CURVE W2-104	TS	1238+62.64	130873.3592	493138.2837	Ls1 =	90.00'				
	SC	1239+52.64	130963.3094	493135.5732	I =	11° 23' 44'' LT	Ea =	1.00''		
	PI	1240+02.46	131013.1627	493136.2795	Rc =	950.00'	Eu =	2.75''		
	CS	1240+51.58	131061.5714	493124.3445	Lc =	98.95'	V =	30 MPH		
	ST	1241+41.58	131149.8142	493106.6923	Ls2 =	90.00'				
STATION EQUATION	ST	1242+21.43 BK								
		1242+25.85 AH								
TRACK AHEAD									920.92'	N 12° 13' 01'' W
CURVE W2-106	TS	1250+66.93	132049.8821	492911.8128	Ls1 =	60.00'				
	SC	1251+26.93	132108.5672	492899.3219	I =	02° 26' 49'' RT	Ea =	1.00''		
	PI	1251+57.79	132138.6904	492892.5844	Rc =	2850.00'	Eu =	1.22''		
	CS	1251+88.64	132169.1453	492887.5539	Lc =	61.71'	V =	40 MPH		
	ST	1252+48.64	132228.2387	492877.1649	Ls2 =	60.00'				
STATION EQUATION	ST	1252+48.64 BK								
		1252+48.40 AH								
TRACK AHEAD									1246.73'	N 09° 46' 12'' W
CURVE W2-107	TS	1264+95.13	133456.8845	492665.6027	Ls1 =	220.00'				
	SC	1267+15.13	133675.0502	492638.9336	I =	37° 43' 20'' RT	Ea =	4.00''		
	PI	1268+62.18	133818.6137	492603.3161	Rc =	750.00'	Eu =	4.45''		
	CS	1269+88.91	133943.8949	492681.9525	Lc =	273.78'	V =	40 MPH		
	ST	1272+08.91	134142.8457	492775.3663	Ls2 =	220.00'				
STATION EQUATION	ST	1272+08.91 BK								
		1271+99.34 AH								
TRACK AHEAD									972.33'	N 27° 57' 08'' E
CURVE W2-108A CURVE W2-108B	TS	1281+71.67	135001.7473	493231.1329	LS1 =	40.00'				
	SC1	1282+11.67	135037.1306	493249.7880			Ea1 =	1.00''		
					RC1 =	RC1 = 2500.00'	Eu1 =	0.94''		
	CS1	1285+26.63	135324.9251	493377.2287	LC1 =	314.96'	V1 =	35 MPH		
	PI	1288+61.32	135610.9405	493554.3946	I =	77° 21' 07'' LT				
	SC2	1286+26.63	135420.2839	493407.0937	LS2 =	100.00'	Ea2 =	2.50''		
					RC2 =	450.00'	Eu2 =	3.00''		
	CS2	1290+69.86	135830.4280	493293.7100	LC2 =	443.23'	V2 =	25 MPH		
	ST	1291+59.86	135891.2157	493227.3951	LS3 =	90.00'				
STATION EQUATION	ST	1291+59.86 BK								
		1291+92.32 AH								
TRACK AHEAD									711.80'	N 49° 23' 59'' W
CURVE W2-109	TS	1299+04.12	136354.4405	492686.9464	Ls1 =	40.00'				
	SC	1299+44.12	136380.5525	492656.6453	I =	02° 46' 21'' RT	Ea =	1.00''		
	PI	1299+84.62	136406.8294	492625.8238	Rc =	2500.00'	Eu =	0.94''		
	CS	1300+25.10	136434.7216	492596.4561	Lc =	80.98'	V =	35 MPH		
	ST	1300+65.10	136462.1136	492567.3070	Ls2 =	40.00'				
TRACK AHEAD									63.81'	N 46° 37' 38'' W

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
ALIGNMENT DATA
SHEET 5

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-ALG-002

SHEET 13 OF 211

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TRACK 1 ALIGNMENT

DESCRIPTION	POINT DESC.	STATIONING	COORDINATES		SPIRAL AND CURVE DATA / EQUATIONS				TANGENT	
			NORTHING	EASTING					DISTANCE	BEARING
CURVE W2-110	TS	1301+28.91	136505.9367	492520.9215	Ls1 =	40.00'				
	SC	1301+68.91	136533.3287	492491.7724	I =	02° 46' 21'' LT	Ea =	1.00''		
	PI	1302+09.42	136561.2209	492462.4047	Rc =	2500.00'	Eu =	0.94''		
	CS	1302+49.89	136587.4978	492431.5832	Lc =	80.98'	V =	35 MPH		
	ST	1302+89.89	136613.6097	492401.2821	Ls2 =	40.00'				
STATION EQUATION	ST	1302+89.89 BK								
		1302+89.68 AH								
TRACK AHEAD									53.36'	N 49° 23' 59'' W
CURVE W2-111	TS	1303+43.04	136648.3340	492360.7690	Ls1 =	170.00'				
	SC	1305+13.04	136763.3065	492235.6542	I =	54° 25' 06'' RT	Ea =	4.00''		
	PI	1308+50.09	136978.3153	491975.7768	Rc =	819.50'	Eu =	3.73''		
	CS	1311+21.38	137313.7482	492011.1291	Lc =	608.34'	V =	40 MPH		
	ST	1312+91.38	137483.4281	492020.1342	Ls2 =	170.00'				
STATION EQUATION	ST	1312+91.38 BK								
		1312+72.84 AH								
TRACK AHEAD									210.66'	N 05° 01' 07'' E
CURVE W2-112	TS	1314+83.50	137693.2768	492038.5624	Ls1 =	130.00'				
	SC	1316+13.50	137822.8394	492049.1961	I =	06° 35' 51'' LT	Ea =	1.00''		
	PI	1317+67.53	137976.2240	492063.4099	Rc =	3800.00'	Eu =	2.15''		
	CS	1319+21.06	138130.1850	492058.4246	Lc =	307.57'	V =	55 MPH		
	ST	1320+51.06	138260.1522	492055.5836	Ls2 =	130.00'				
TRACK AHEAD									3.35'	N 01° 34' 44'' W
TIE IN	EP	1320+54.41	138263.5005	492055.4913						

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SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
ALIGNMENT DATA
SHEET 6

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-ALG-003

SHEET 14 OF 211

TRACK 2 ALIGNMENT

DESCRIPTION	POINT DESC.	STATIONING	COORDINATES NORTHING	COORDINATES EASTING	SPIRAL AND CURVE DATA / EQUATIONS		TANGENT DISTANCE	TANGENT BEARING
TIE IN	BP	2335+00.00	138263.3306	492077.3940				
TRACK AHEAD							814.33'	N 00° 26' 40'' E
CURVE W3-201	TS	2343+14.33	139077.6341	492083.7108	Ls1 = 55.00'			
	SC	2343+69.33	139132.6332	492084.0048	I = 01° 57' 57'' LT	Ea = 1.00''		
	PI	2344+07.02	139170.3258	492084.4299	Rc = 3800.00'	Eu = 1.11''		
	CS	2344+44.70	139208.0037	492083.2965	Lc = 75.38'	V = 45 MPH		
	ST	2344+99.70	139262.9876	492081.9689	Ls2 = 55.00'			
TRACK AHEAD							53.30'	N 01° 31' 17'' W
CURVE W3-202	TS	2345+53.00	139316.2651	492080.5540	Ls1 = 55.00'			
	SC	2346+08.00	139371.2490	492079.2264	I = 1° 57' 57'' RT	Ea = 1.00''		
	PI	2346+45.69	139408.9269	492078.0930	Rc = 3800.00'	Eu = 1.11''		
	CS	2346+83.37	139446.6195	492078.5181	Lc = 75.38'	V = 45 MPH		
	ST	2347+38.37	139501.6186	492078.8121	Ls2 = 55.00'			
TRACK AHEAD							64.76'	N 00° 26' 40'' E
N0. 8 DOUBLE CROSSOVER	PS	2348+03.13	139566.3754	492079.3144				
	TRACK AHEAD						20.93'	N 00° 26' 40'' E
	PITO	2348+24.06	139587.3048	492079.4768				
	TRACK AHEAD						111.56'	N 00° 26' 40'' E
	PITO	2349+35.62	139698.8622	492080.3422				
	TRACK AHEAD						20.93'	N 00° 26' 40'' E
	PS	2349+56.55	139719.7916	492080.5045				
TRACK AHEAD							56.35'	N 00° 26' 40'' E
CURVE W3-203	TS	2350+12.90	139776.1391	492080.9416	Ls1 = 140.00'			
	SC	2351+52.90	139916.1180	492079.6945	I = 48° 47' 26'' LT	Ea = 3.00''		
	PI	2357+18.09	140481.3042	492086.4118	Rc = 1400.00'	Eu = 2.73''		
	CS	2362+05.08	140855.2245	491662.5438	Lc = 1052.18'	V = 45 MPH		
	ST	2363+45.08	140949.9926	491559.5164	Ls2 = 140.00'			
TRACK AHEAD							858.67'	N 48° 20' 46'' W
CURVE W3-204	TS	2372+03.75	141520.6942	490917.9387	Ls1 = 125.00'			
	SC	2373+28.75	141602.1294	490823.1255	I = 13° 06' 54'' LT	Ea = 3.00''		
	PI	2374+04.25	141653.9520	490768.1314	Rc = 1200.00'	Eu = 2.28''		
	CS	2374+78.43	141688.1323	490700.7398	Lc = 149.68'	V = 40 MPH		
	ST	2376+03.43	141749.7419	490591.9947	Ls2 = 125.00'			
TRACK AHEAD							321.59'	N 61° 27' 39'' W
CURVE W3-205	TS	2379+25.02	141903.3819	490309.4844	Ls1 = 165.00'			
	SC	2380+90.02	141989.8072	490169.1548	I = 59° 48' 23'' RT	Ea = 4.00''		
	PI	2383+02.03	142083.4996	489978.2872	Rc = 510.00'	Eu = 2.99''		
	CS	2384+57.37	142296.1054	489981.0299	Lc = 367.35'	V = 30 MPH		
	ST	2386+22.37	142460.3491	489967.4013	Ls2 = 165.00'			
TRACK AHEAD							1994.69'	N 01° 39' 17'' W

DESCRIPTION	POINT DESC.	STATIONING	COORDINATES NORTHING	COORDINATES EASTING	SPIRAL AND CURVE DATA / EQUATIONS		TANGENT DISTANCE	TANGENT BEARING
CURVE W3-206	TS	2406+17.06	144454.2104	489909.8058	Ls1 = 130.00'			
	SC	2407+47.06	144584.1703	489906.6153	I = 03° 26' 17'' RT	Ea = 0.75''		
	PI	2408+32.12	144669.1782	489903.5962	Rc = 5000.00'	Eu = 1.04''		
	CS	2409+17.08	144754.1791	489906.8063	Lc = 170.02'	V = 55 MPH		
	ST	2410+47.08	144884.1315	489910.2888	Ls2 = 130.00'			
TRACK AHEAD							600.52'	N 01° 47' 00'' E
NO. 8 LH TURNOUT	PITO	2416+47.59	145484.3592	489928.9769				
	TRACK AHEAD						21.24'	N 01° 47' 00'' E
	PS	2416+68.83	145505.5888	489929.6379				
TRACK AHEAD							70.07'	N 01° 47' 00'' E
NO. 8 RH CROSSOVER	PITO	2417+38.90	145575.6218	489931.8184				
	TRACK AHEAD						20.93'	N 01° 47' 00'' E
	PS	2417+59.83	145596.5417	489932.4697				
TRACK AHEAD							50.00'	N 01° 47' 00'' E
NO. 6 RH TURNOUT	PS	2418+09.83	145646.5174	489934.0257				
	TRACK AHEAD						21.24'	N 01° 47' 00'' E
	PITO	2418+31.07	145667.7472	489934.6867				
TRACK AHEAD							57.76'	N 01° 47' 00'' E
NO. 6 LH CROSSOVER	PS	2418+88.83	145725.4792	489936.4842				
	TRACK AHEAD						21.24'	N 01° 47' 00'' E
	PITO	2419+10.07	145746.7089	489937.1452				
TRACK AHEAD							172.76'	N 01° 47' 00'' E
CURVE W3-207	TS	2420+82.83	145919.3849	489942.5215	Ls1 = 70.00'			
	SC	2421+52.83	145988.8023	489950.1087	I = 68° 17' 00'' RT	Ea = 2.00''		
	PI	2422+20.40	146056.8927	489946.8028	Rc = 150.00'	Eu = 3.94''		
	CS	2422+61.60	146074.9619	490012.5351	Lc = 108.77'	V = 15 MPH		
	ST	2423+31.60	146103.7957	490076.1350	Ls2 = 70.00'			
TRACK AHEAD							1817.62'	N 70° 04' 00'' E
TIE IN	EP	2441+49.22	146723.4739	491784.8605				

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SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
ALIGNMENT DATA
SHEET 7

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-ALG-001

TRACK 1 ALIGNMENT

DESCRIPTION	POINT DESC.	STATIONING	COORDINATES NORTHING	COORDINATES EASTING	SPIRAL AND CURVE DATA / EQUATIONS				TANGENT DISTANCE	TANGENT BEARING
TIE IN	BP	1335+00.00	138263.5005	492055.4913						
TRACK AHEAD									116.94'	N 01° 34' 44" W
CURVE W3-100	TS	1336+16.94	138380.3987	492052.2691	Ls1 =	80.00'				
	SC	1336+96.94	138460.3740	492050.2917	I =	02° 01' 24" RT	Ea =	1.25"		
	PI	1337+39.94	138503.3509	492048.8800	Rc =	4700.00'	Eu =	1.30"		
	CS	1337+82.92	138546.3473	492049.4405	Lc =	85.98'	V =	55 MPH		
	ST	1338+62.92	138626.3461	492049.8341	Ls2 =	80.00'				
STATION EQUATION	ST	1338+62.92 BK								
		1338+62.79 AH								
TRACK AHEAD									451.06'	N 00° 26' 40" E
CURVE W3-101	TS	1343+13.85	139077.3883	492053.3330	Ls1 =	55.00'				
	SC	1343+68.85	139132.3854	492053.8923	I =	01° 57' 47" RT	Ea =	1.00"		
	PI	1344+06.45	139169.9865	492054.0513	Rc =	3800.00'	Eu =	1.11"		
	CS	1344+44.03	139207.5489	492055.7633	Lc =	75.19'	V =	45 MPH		
	ST	1344+99.03	139262.5057	492057.9410	Ls2 =	55.00'				
TRACK AHEAD									53.83'	N 02° 24' 27" E
CURVE W3-102	TS	1345+52.86	139316.2843	492060.2020	Ls1 =	55.00'				
	SC	1346+07.86	139371.2410	492062.3797	I =	01° 57' 47" LT	Ea =	1.00"		
	PI	1346+45.46	139408.8035	492064.0917	Rc =	3800.00'	Eu =	1.11"		
	CS	1346+83.05	139446.4046	492064.2507	Lc =	75.19'	V =	45 MPH		
	ST	1347+38.05	139501.4016	492064.8100	Ls2 =	55.00'				
STATION EQUATION	ST	1347+38.05 BK								
		1347+38.04 AH								
TRACK AHEAD									65.08'	N 00° 26' 40" E
N0. 8 DOUBLE CROSSOVER	PS	1348+03.12	139566.4840	492065.3148						
	TRACK AHEAD								20.93'	N 00° 26' 40" E
	PITO	1348+24.05	139587.4134	492065.4772						
	TRACK AHEAD								111.56'	N 00° 26' 40" E
	PITO	1349+35.62	139698.9708	492066.3426						
	TRACK AHEAD								20.93'	N 00° 26' 40" E
	PS	1349+56.55	139719.9002	492066.5049						
TRACK AHEAD									50.00'	N 00° 26' 40" E
CURVE W3-103	TS	1350+06.55	139769.8987	492066.8928	Ls1 =	140.00'				
	SC	1351+46.55	139909.8776	492065.6457	I =	48° 47' 26" LT	Ea =	3.00"		
	PI	1357+11.73	140475.0637	492072.3630	Rc =	1400.00'	Eu =	2.73"		
	CS	1361+98.72	140848.9840	491648.4950	Lc =	1052.18'	V =	45 MPH		
	ST	1363+38.72	140943.7521	491545.4676	Ls2 =	140.00'				
STATION EQUATION	ST	1363+38.72 BK								
		1363+51.43 AH								
TRACK AHEAD									850.72'	N 48° 20' 46" W
CURVE W3-104	TS	1372+02.15	141509.1642	490909.8363	Ls1 =	125.00'				
	SC	1373+27.15	141590.5993	490815.0231	I =	13° 06' 54" LT	Ea =	3.00"		
	PI	1374+02.65	141642.4220	490760.0290	Rc =	1200.00'	Eu =	2.28"		
	CS	1374+76.83	141676.6023	490692.6374	Lc =	149.68'	V =	40 MPH		
	ST	1376+01.83	141738.2119	490583.8923	Ls2 =	125.00'				
STATION EQUATION	ST	1376+01.83 BK								
		1376+05.04 AH								
TRACK AHEAD									328.03'	N 61° 27' 39" W
CURVE W3-105	TS	1379+33.07	141894.9296	490295.7227	Ls1 =	165.00'				
	SC	1380+98.07	141981.3550	490155.3931	I =	59° 48' 23" RT	Ea =	4.00"		
	PI	1383+10.07	142075.0474	489964.5255	Rc =	510.00'	Eu =	2.99"		
	CS	1384+65.41	142287.6531	489967.2682	Lc =	367.35'	V =	30 MPH		
	ST	1386+30.41	142451.8968	489953.6397	Ls2 =	165.00'				
STATION EQUATION	ST	1386+30.41 BK								
		1386+14.32 AH								
TRACK AHEAD									2003.16'	N 01° 39' 17" W
CURVE W3-106	TS	1406+17.48	144454.2261	489895.7995	Ls1 =	130.00'				
	SC	1407+47.48	144584.1860	489892.6090	I =	03° 26' 17" RT	Ea =	0.75"		
	PI	1408+32.54	144669.1939	489889.5899	Rc =	5000.00'	Eu =	1.04"		
	CS	1409+17.50	144754.1948	489892.8000	Lc =	170.02'	V =	55 MPH		
	ST	1410+47.50	144884.1472	489896.2825	Ls2 =	130.00'				
STATION EQUATION	ST	1410+47.50 BK								
		1410+46.66 AH								
TRACK AHEAD									559.75'	N 01° 47' 00" E
NO. 8 RH CROSSOVER	PS	1416+06.41	145443.6309	489913.7020						
	TRACK AHEAD								20.93'	N 01° 47' 00" E
	PITO	1416+27.34	145464.5507	489914.3534						
TRACK AHEAD									366.15'	N 01° 47' 00" E
NO. 6 LH CROSSOVER	PITO	1419+93.49	145830.5214	489925.7479						
	TRACK AHEAD								21.45'	N 01° 47' 00" E
	PS	1420+14.94	145851.9572	489926.4153						
TRACK AHEAD									95.01'	N 01° 47' 00" E
CURVE W3-107	TS	1421+09.95	145946.9271	489929.3722	Ls1 =	70.00'				
	SC	1421+79.95	146016.3444	489936.9595	I =	68° 17' 00" RT	Ea =	2.00"		
	PI	1422+47.53	146084.4348	489933.6535	Rc =	150.00'	Eu =	3.94"		
	CS	1422+88.72	146102.5040	489999.3858	Lc =	108.77'	V =	15 MPH		
	ST	1423+58.72	146131.3378	490062.9857	Ls2 =	70.00'				
STATION EQUATION	ST	1423+58.72 BK								
		1423+27.19 AH								
TRACK AHEAD									372.97'	N 70° 04' 00" E
CURVE W3-108	TS	1427+00.16	146258.4943	490413.6123	Ls1 =	90.00'				
	SC	1427+90.16	146288.8680	490498.3316	I =	02° 31' 45" RT	Ea =	1.50"		
	PI	1428+35.67	146304.6931	490541.0025	Rc =	4100.00'	Eu =	1.42"		
	CS	1428+81.15	146317.9913	490584.5272	Lc =	90.98'	V =	55 MPH		
	ST	1429+71.15	146345.2253	490670.3073	Ls2 =	90.00'				
TRACK AHEAD									100.06'	N 72° 35' 45" E
CURVE W3-109	TS	1430+71.21	146375.1545	490765.7867	Ls1 =	90.00'				
	SC	1431+61.21	146402.3884	490851.5668	I =	02° 31' 45" LT	Ea =	1.50"		
	PI	1432+06.72	146415.6867	490895.0915	Rc =	4100.00'	Eu =	1.42"		
	CS	1432+52.19	146431.5118	490937.7624	Lc =	90.98'	V =	55 MPH		
	ST	1433+42.19	146461.8854	491022.4817	Ls2 =	90.00'				
STATION EQUATION	ST	1433+42.19 BK								
		1433+43.33 AH								
TRACK AHEAD									805.89'	N 70° 04' 00" E
TIE IN	EP	1441+49.22	146736.6351	491780.0875						

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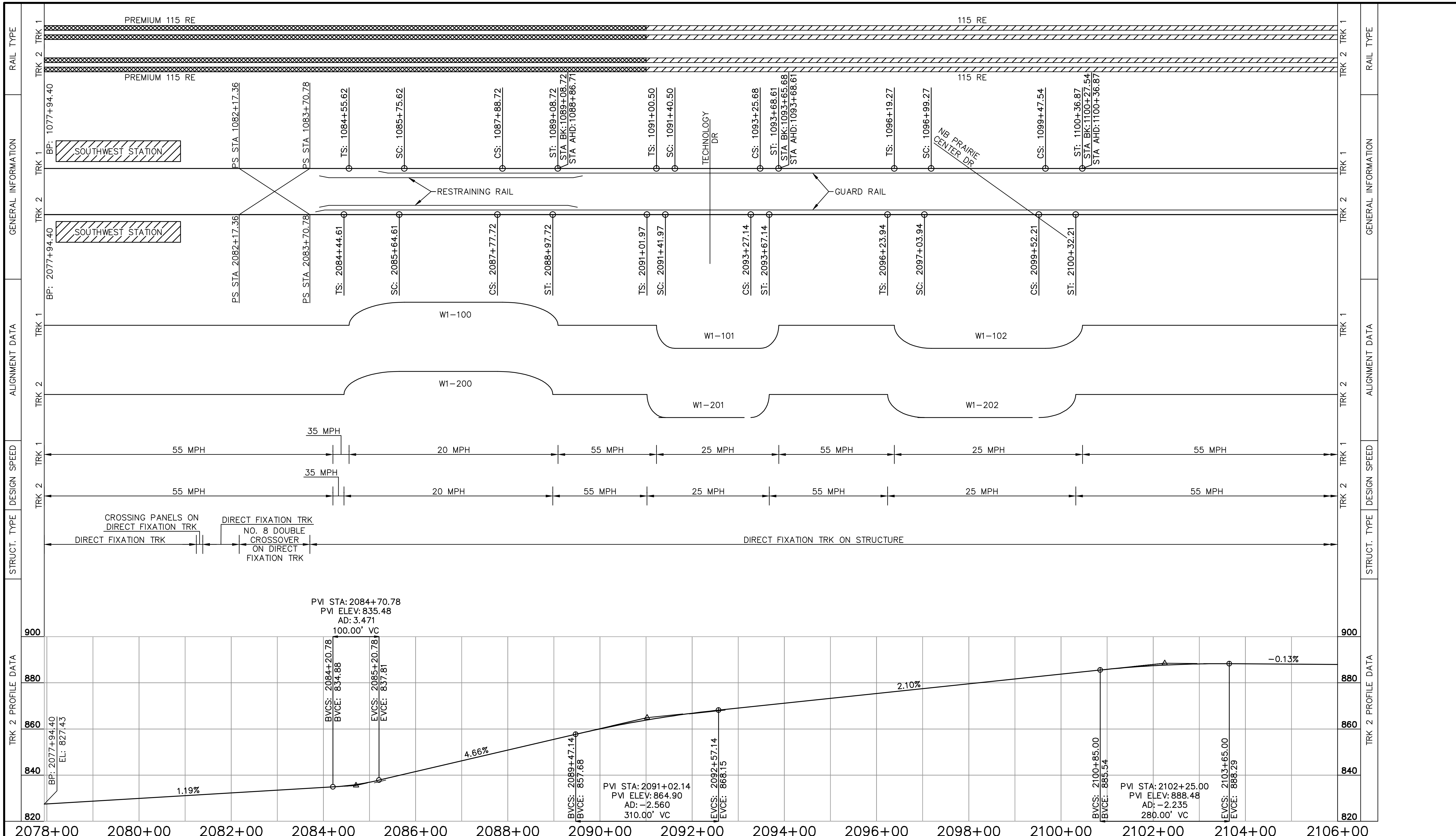
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
ALIGNMENT DATA
SHEET 8

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-ALG-002



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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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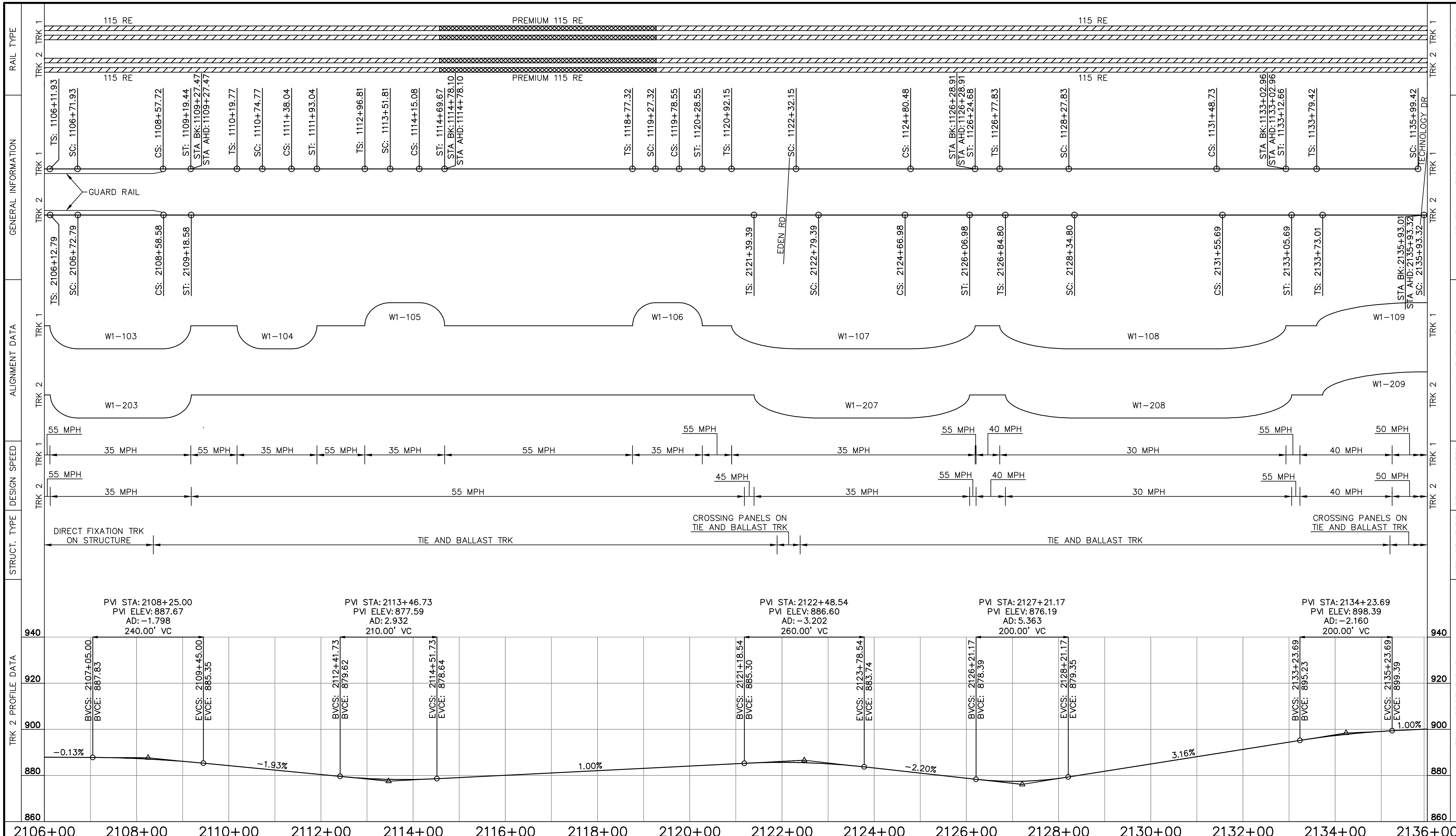
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TRACK CHART
SHEET 1

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-CHT-001



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TRACK CHART
SHEET 2

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-CHT-002

SHEET 18 OF 211

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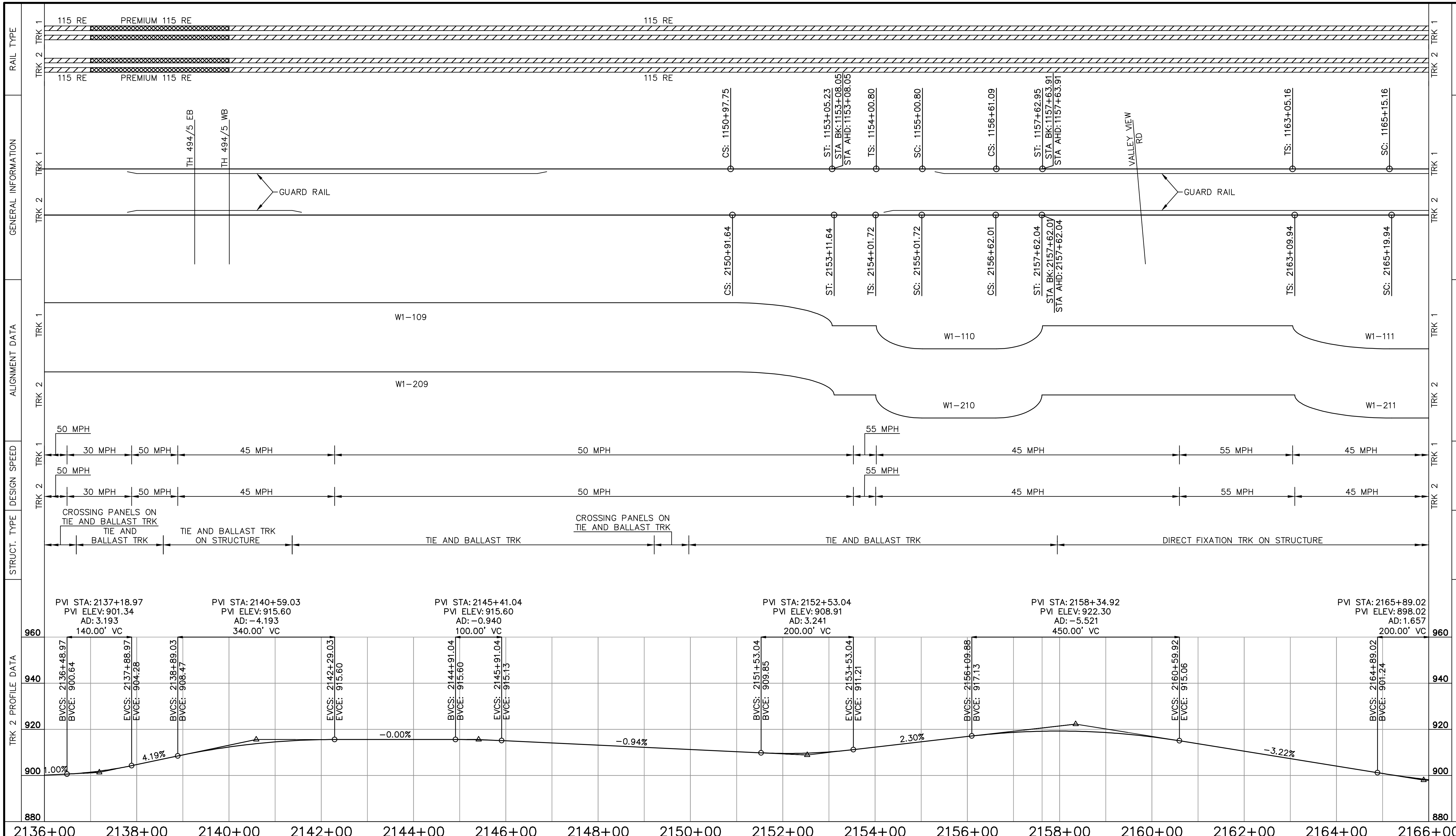

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TRACK CHART
SHEET 3

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-CHT-003

SHEET 19 OF 211

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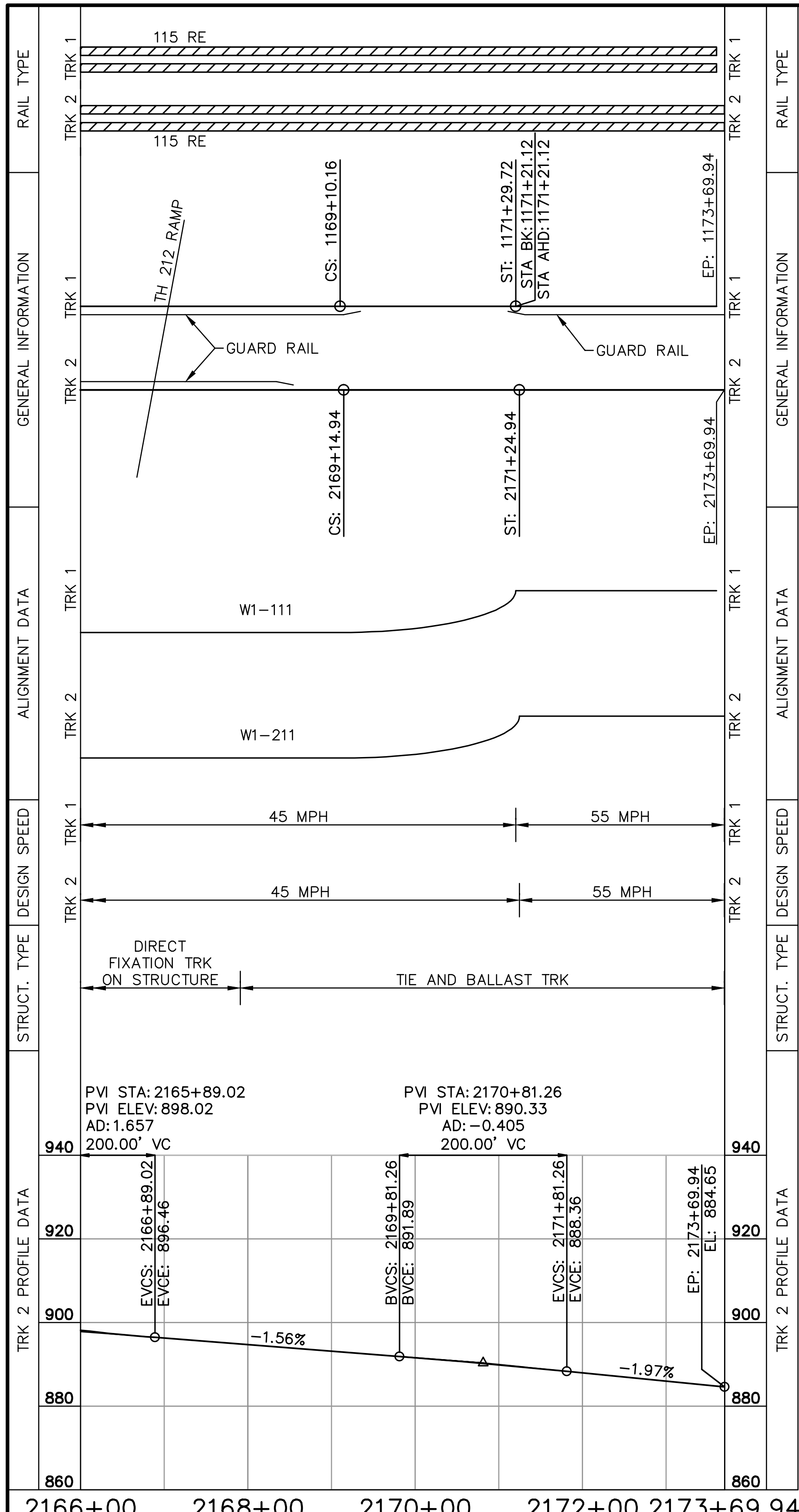

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METROPOLITAN COUNCIL

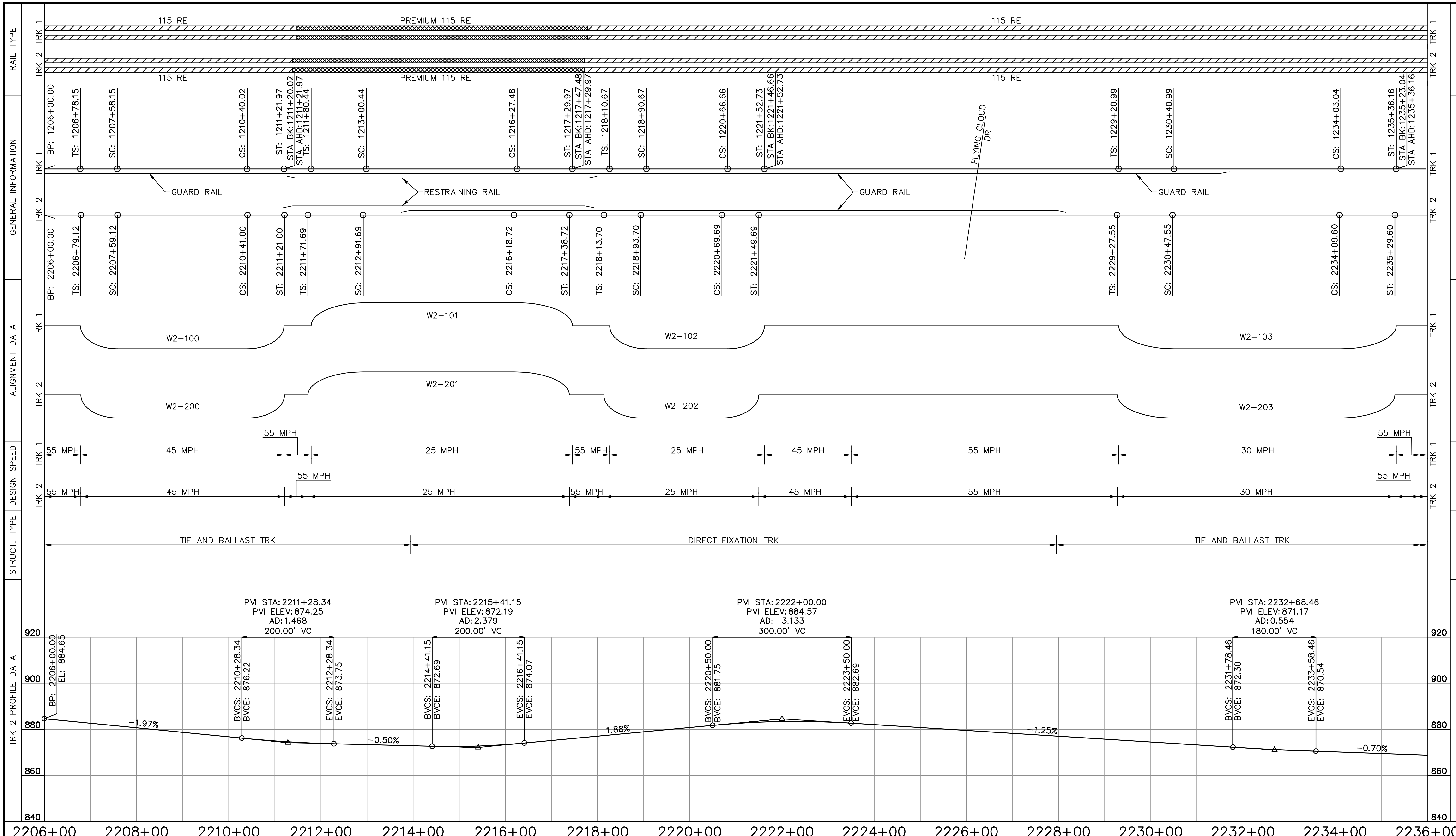
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TRACK CHART
SHEET 4

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-CHT-004

SHEET 20 OF 211



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METROPOLITAN COUNCIL

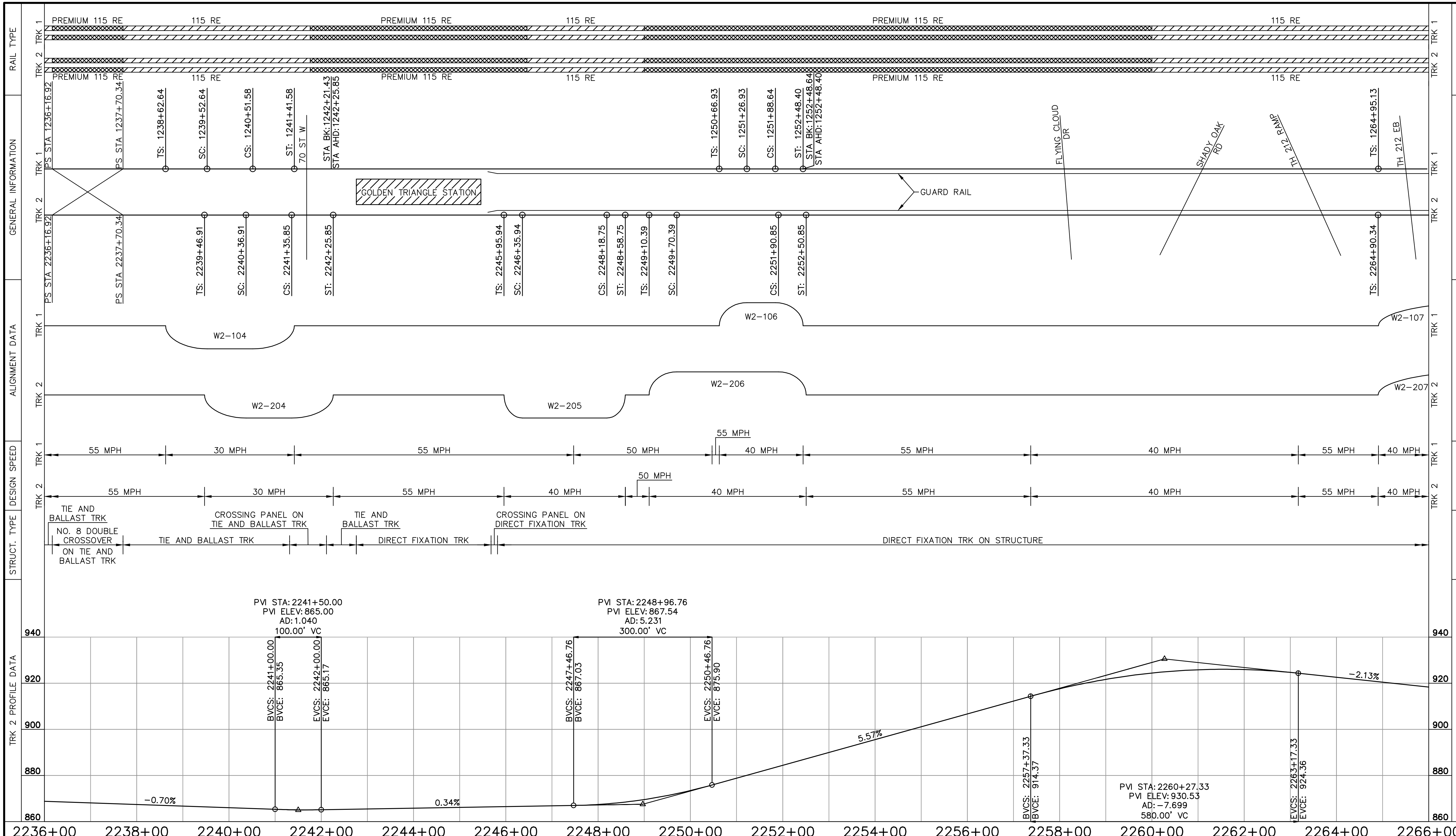
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TRACK CHART
SHEET 5

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-CHT-001

SHEET 21 OF 211



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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

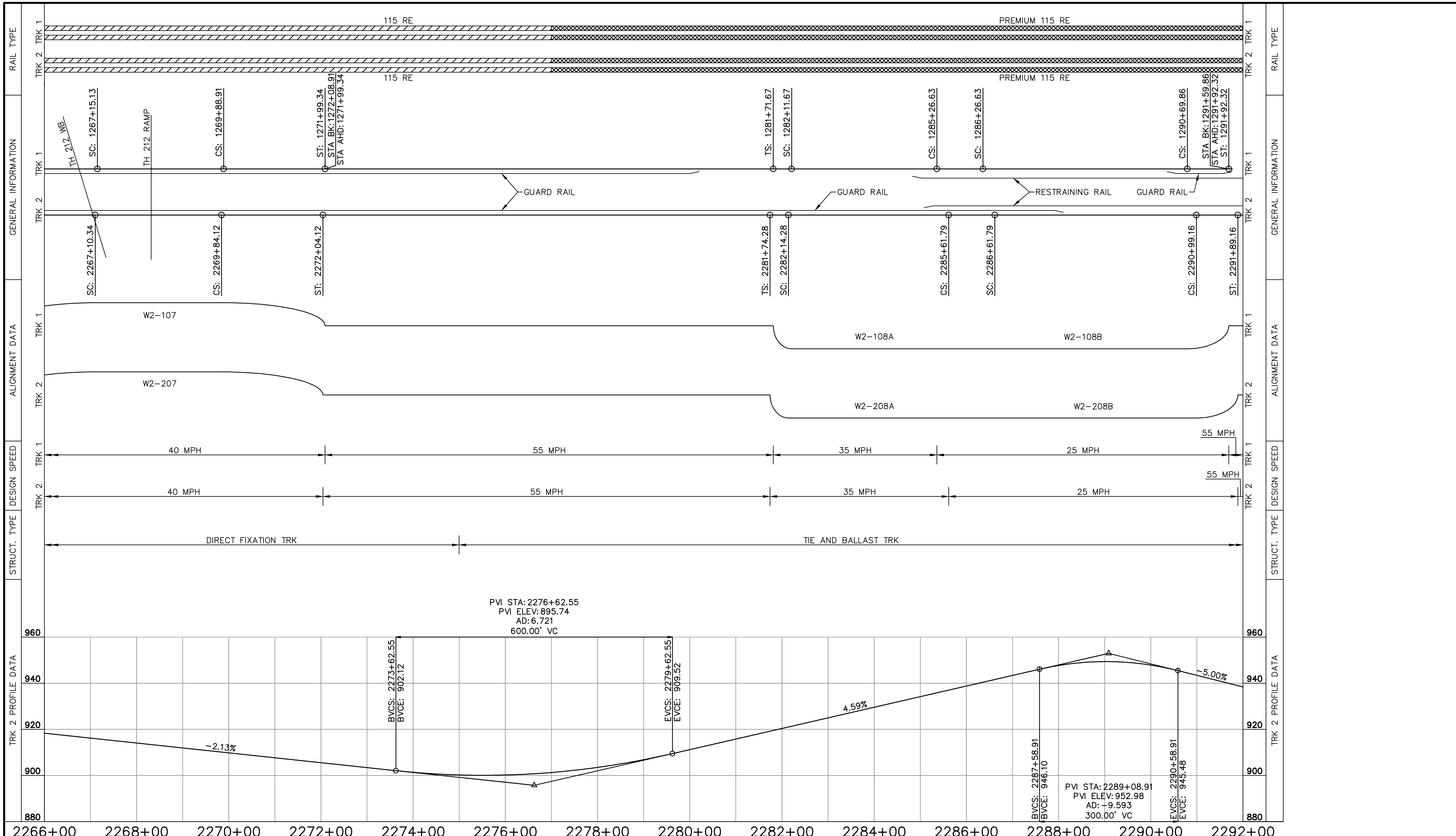
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TRACK CHART
SHEET 6

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-CHT-002

SHEET 22 OF 211



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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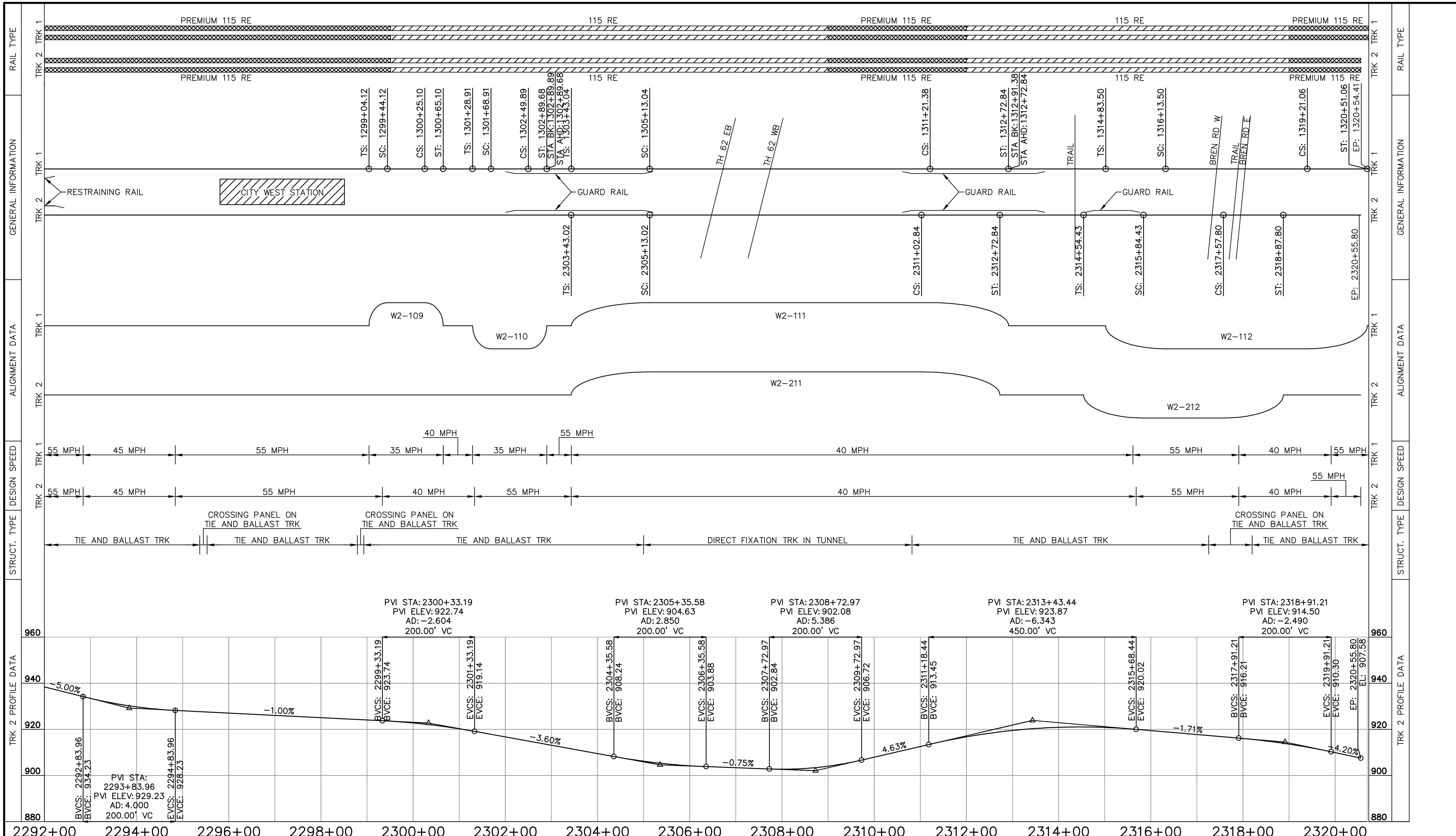
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TRACK CHART
SHEET 7

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-CHT-003



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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TRACK CHART
SHEET 8

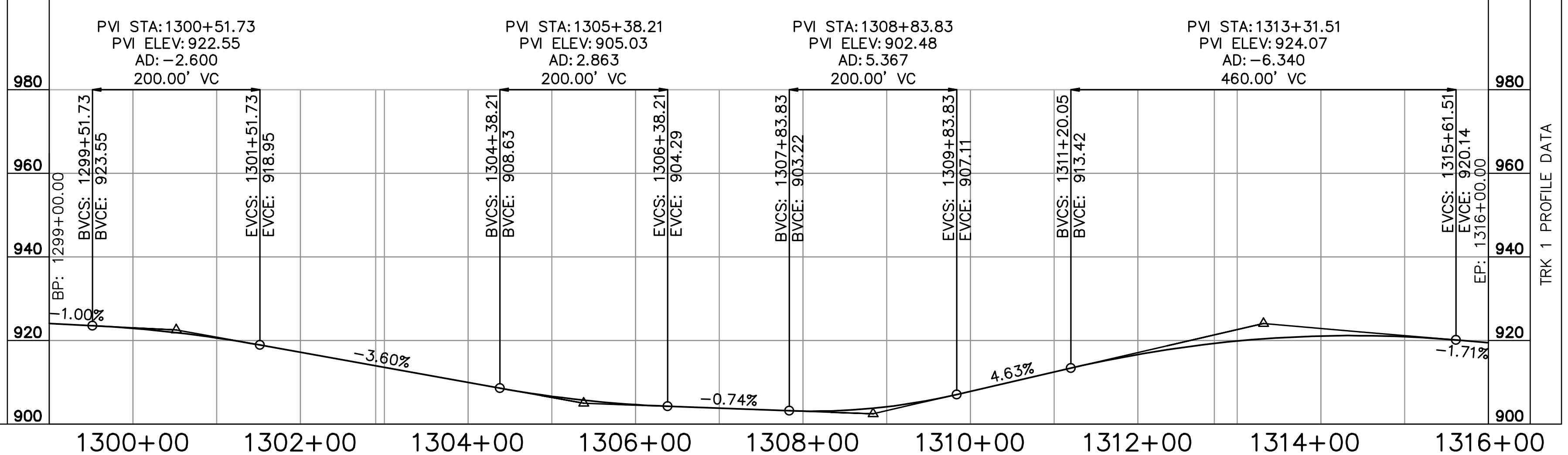
DISCIPLINE: TRACK

SHEET NAME: W2-TRK-CHT-004

SHEET 24 OF 211

RAIL TYPE	GENERAL INFORMATION	ALIGNMENT DATA	DESIGN SPEED	STRUCT. TYPE	TRK 1 PROFILE DATA
TRK 1 / TRK 2	TRK 1 / TRK 2	TRK 1 / TRK 2	TRK 1 / TRK 2		

NOTE:
SEE SHEET W2-TRK-CHT-004 FOR RAIL TYPE, GENERAL INFORMATION, ALIGNMENT DATA, DESIGN SPEED AND STRUCTURE TYPE



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TRACK CHART
SHEET 9

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-CHT-005

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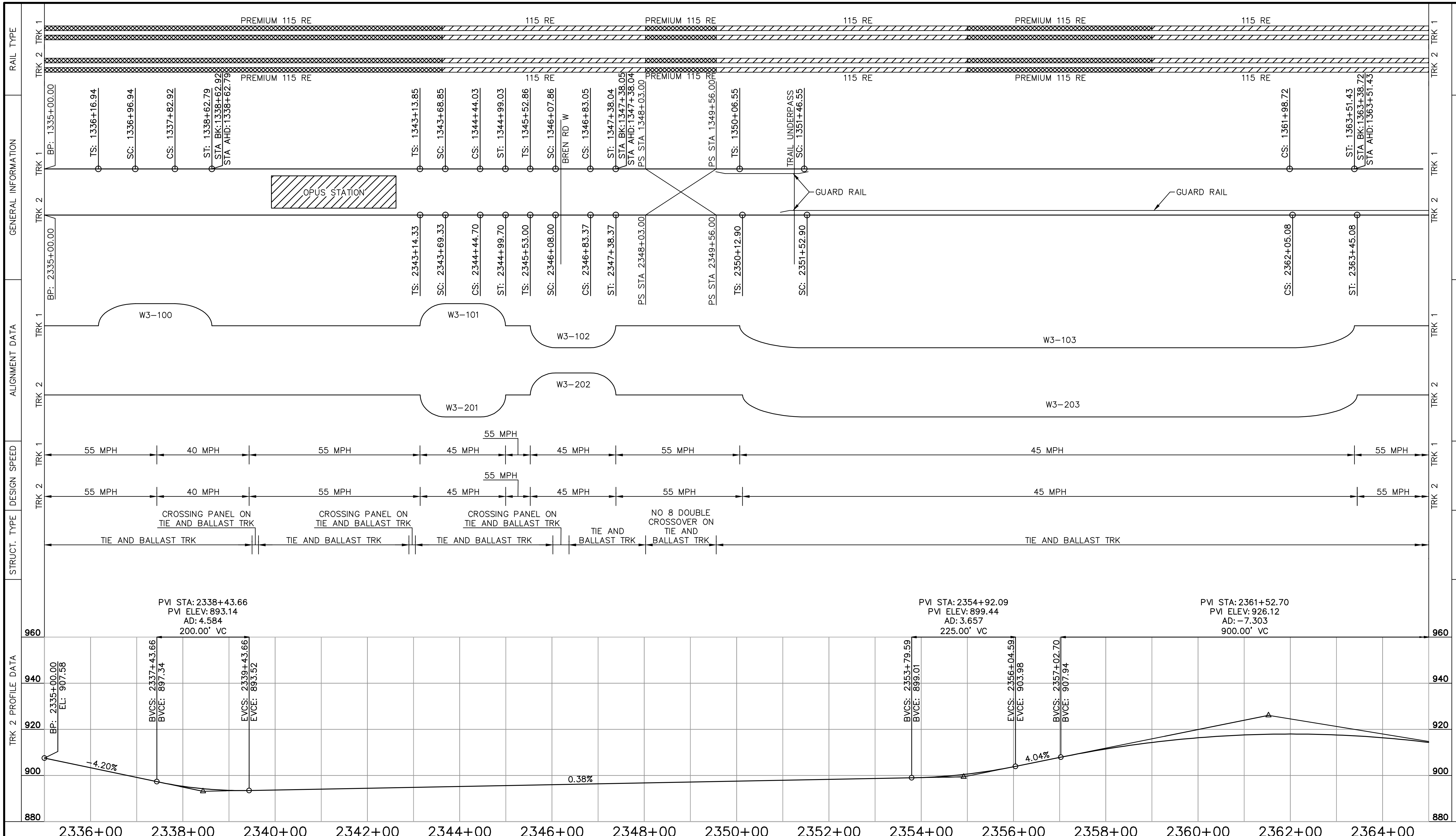

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

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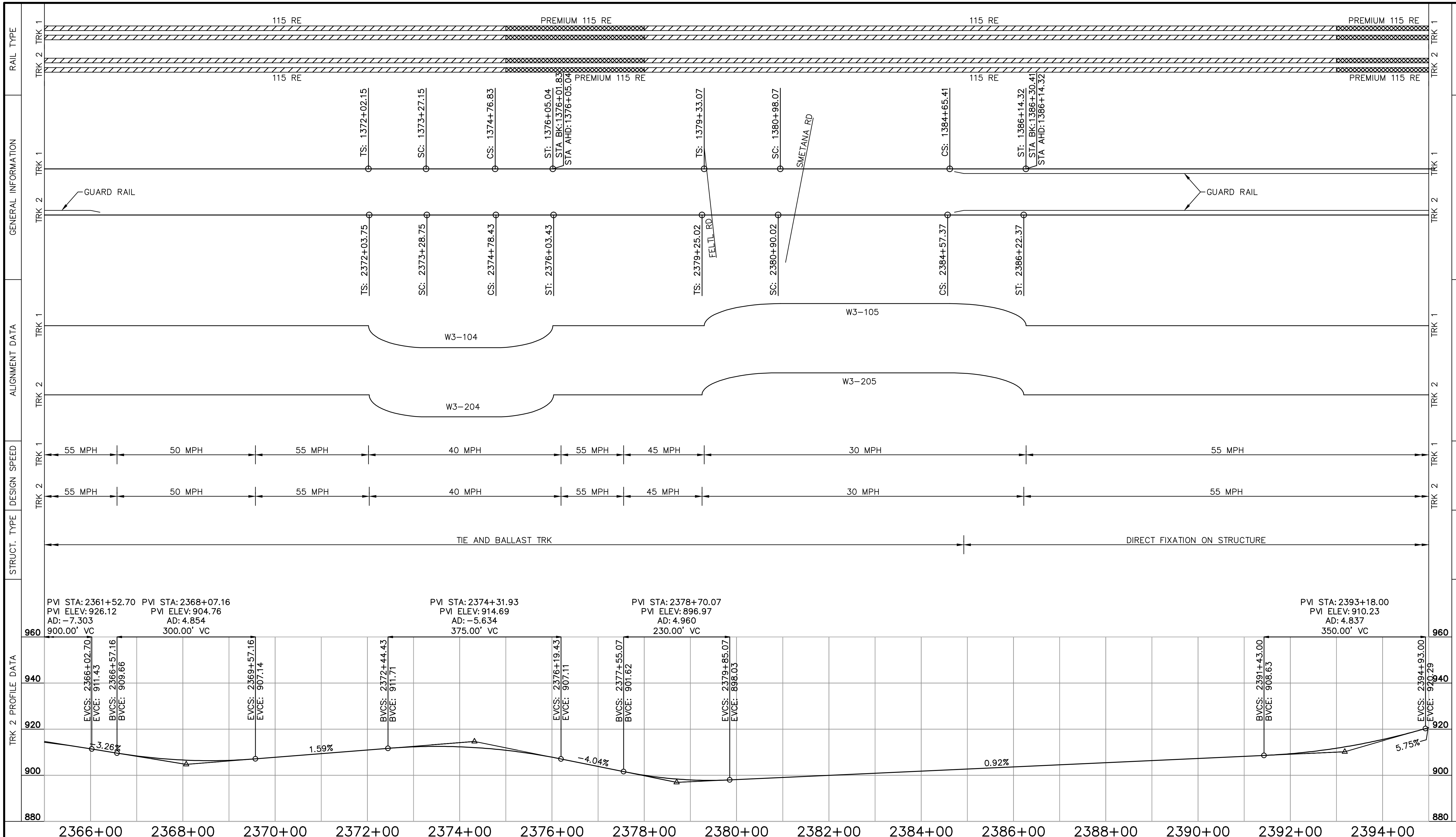
CIVIL - VOLUME 3A
TRACK
TRACK CHART
SHEET 10

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-CHT-001



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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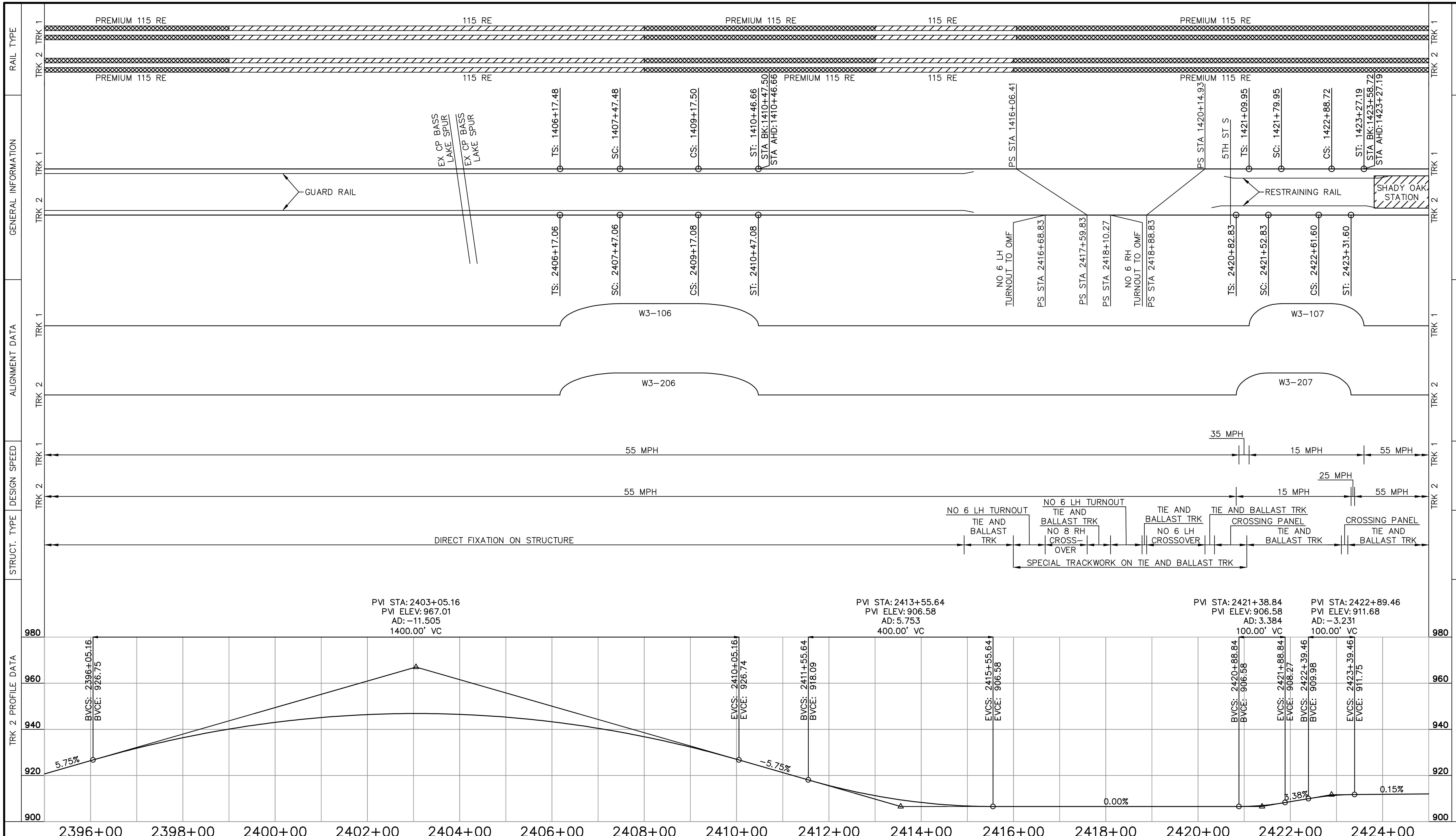
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TRACK CHART
SHEET 11

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-CHT-002



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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

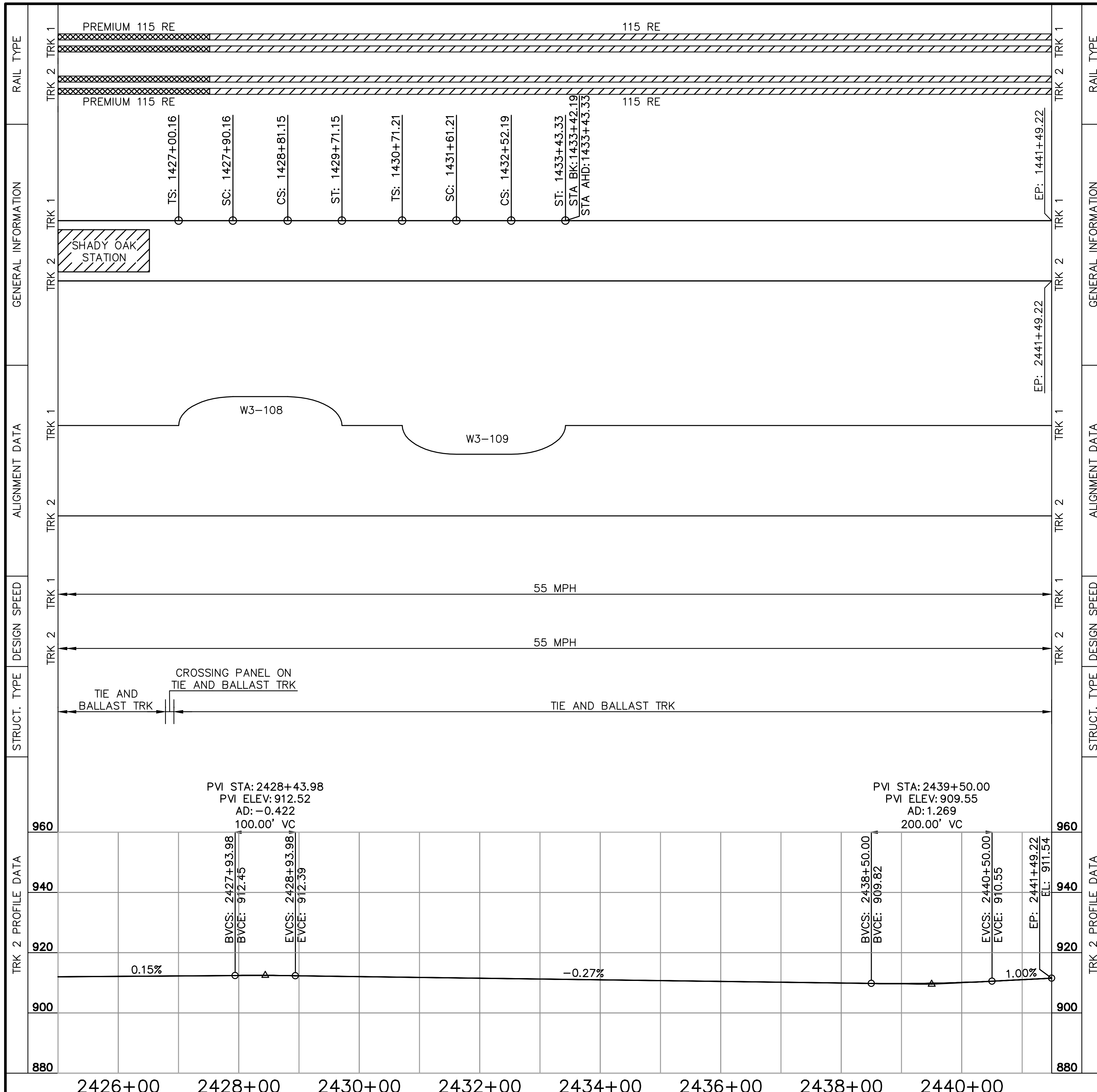
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TRACK CHART
SHEET 12

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-CHT-003

SHEET 28 OF 211



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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

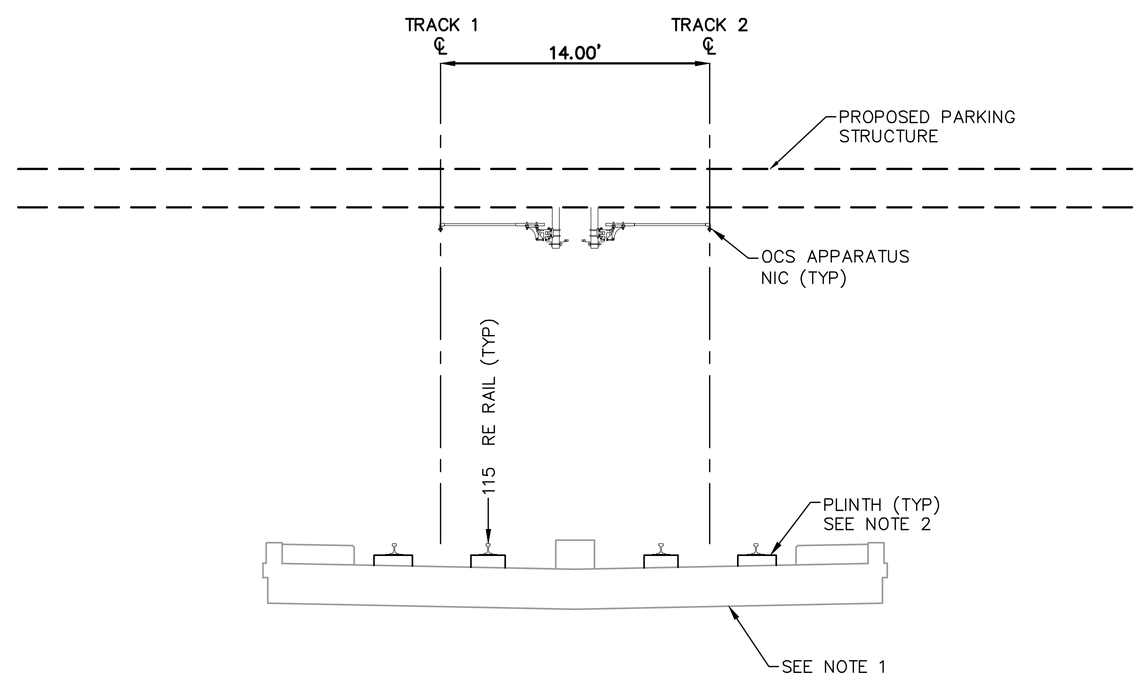
CIVIL - VOLUME 3A
TRACK
TRACK CHART
SHEET 13

DISCIPLINE: TRACK

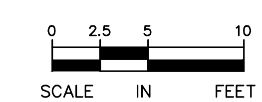
SHEET NAME: W3-TRK-CHT-004

SHEET 29 OF 211

NOTES:
1. SEE STATION PLANS FOR DETAILS.
2. SEE TRACK DETAILS FOR PLINTH LAYOUT.



TYPICAL SECTION
STA 2077+94.40 TO STA 2078+34.40



Jan, 18 2016 08:47 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-TYP.dwg By: MaurisBM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

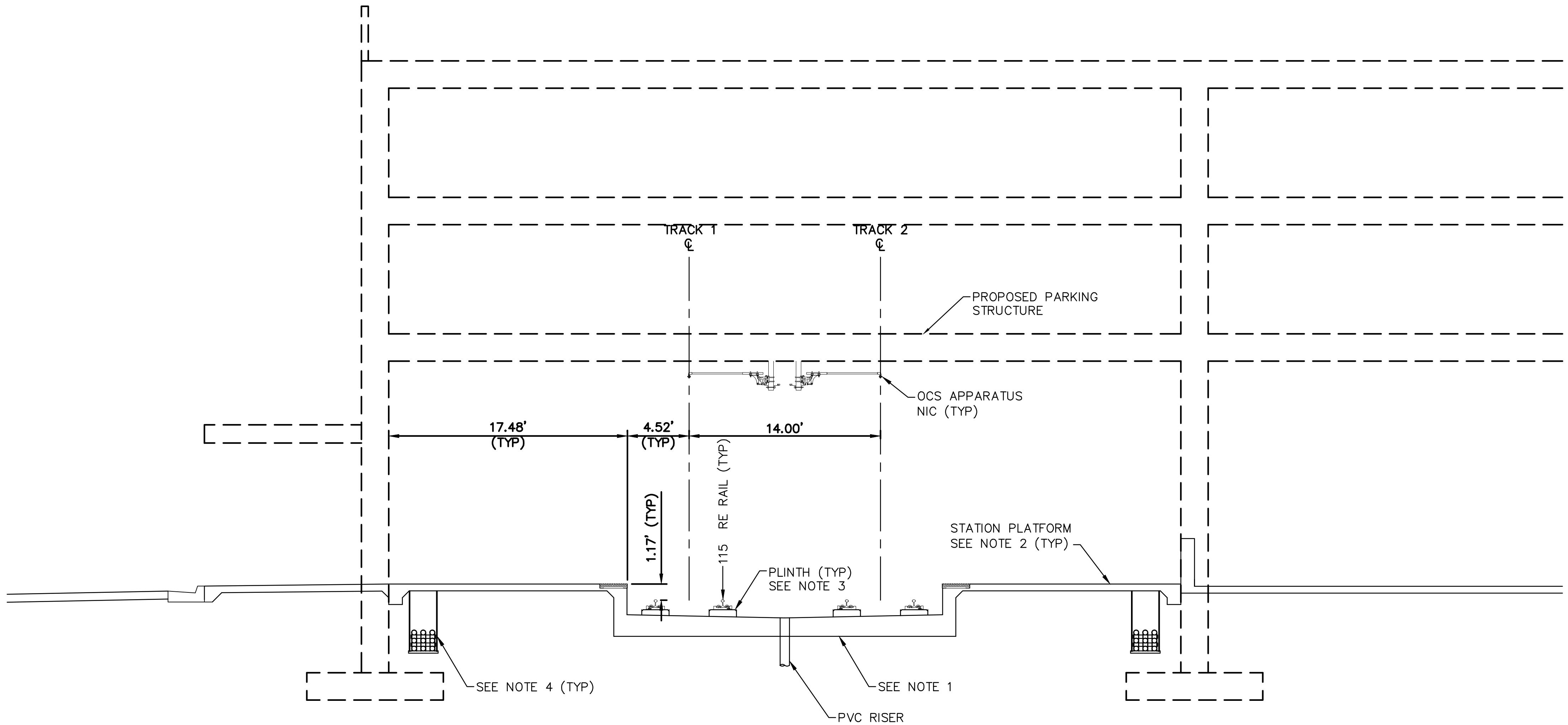
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

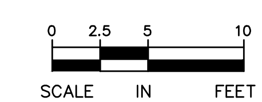
SHEET NAME: W1-TRK-TYP - 001

SHEET 30 OF 211

NOTES:
1. SEE STATION PLANS FOR DETAILS.
2. SEE STATION PLANS FOR STATION PLATFORM DETAILS.
3. SEE TRACK DETAILS FOR PLINTH LAYOUT.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION – SOUTHWEST STATION
STA 2078+34.40 TO STA 2081+04.40



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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

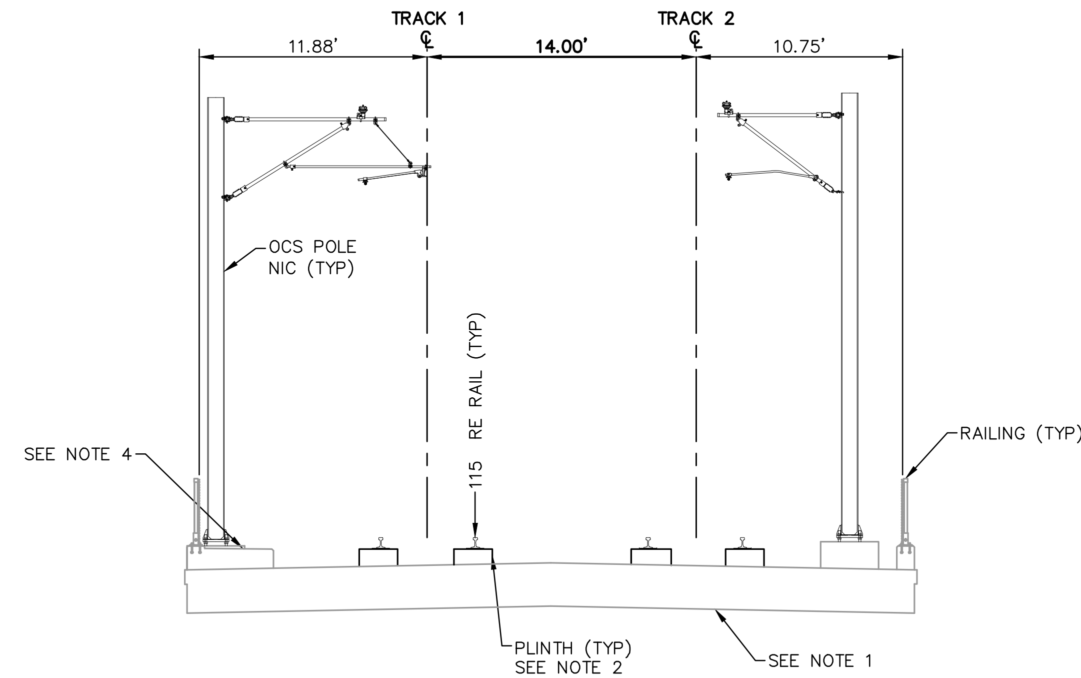
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

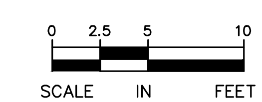
SHEET NAME: W1-TRK-TYP - 002

SHEET 31 OF 211

NOTES:
1. MnDOT BRIDGE 27C06. SEE STRUCTURAL PLANS.
2. SEE TRACK DETAILS FOR PLINTH LAYOUT.
3. SPECIAL TRACKWORK NOT ILLUSTRATED.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2081+04.40 TO STA 2082+56.86



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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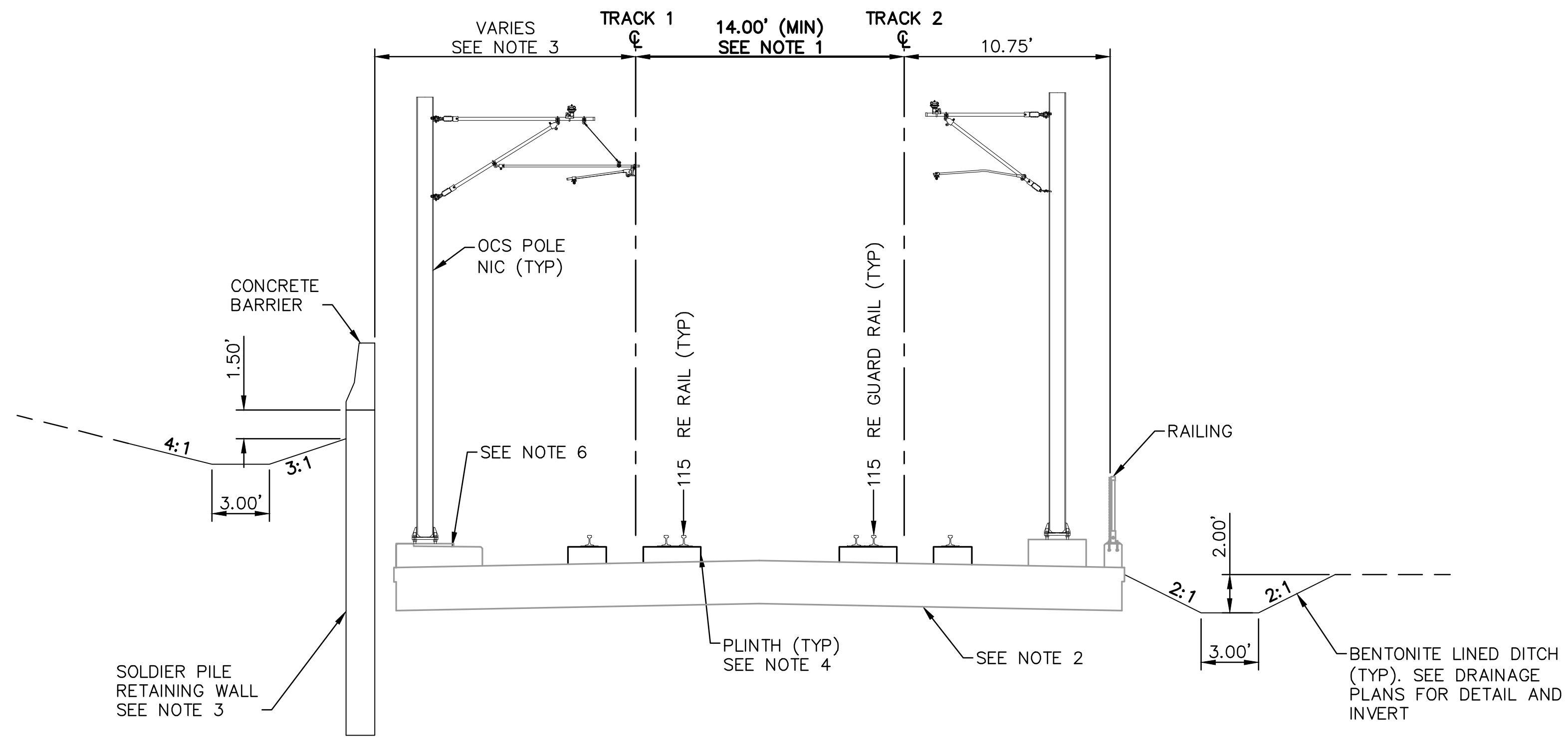
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK
SHEET NAME: W1-TRK-TYP - 003

Jan, 18 2016 08:48 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-TYP.dwg By: MaurisBM

NOTES:
1. TRACK CENTERS VARY IN CURVE W1-201. SEE TRACK PLANS.
2. MnDOT BRIDGE 27C06. SEE STRUCTURAL PLANS.
3. SEE RETAINING WALL PLANS FOR DETAILS.
4. SEE TRACK DETAILS FOR PLINTH LAYOUT.
5. SPECIAL TRACKWORK NOT ILLUSTRATED.
6. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2082+56.86 TO STA 2084+44.61

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

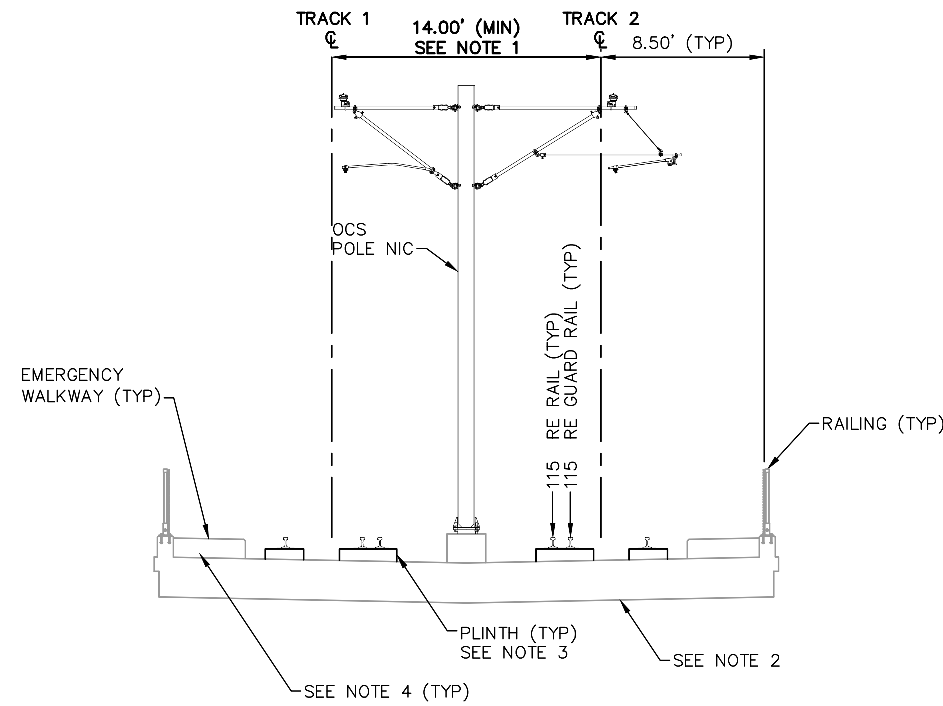
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 004

NOTES:
1. TRACK CENTERS VARY IN CURVE W1-201. SEE TRACK PLANS.
2. MnDOT BRIDGE 27C06. SEE STRUCTURAL PLANS.
3. SEE TRACK DETAILS FOR PLINTH DETAILS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION

STA 2084+44.61 TO STA 2088+84.14

0 2.5 5 10
SCALE IN FEET

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

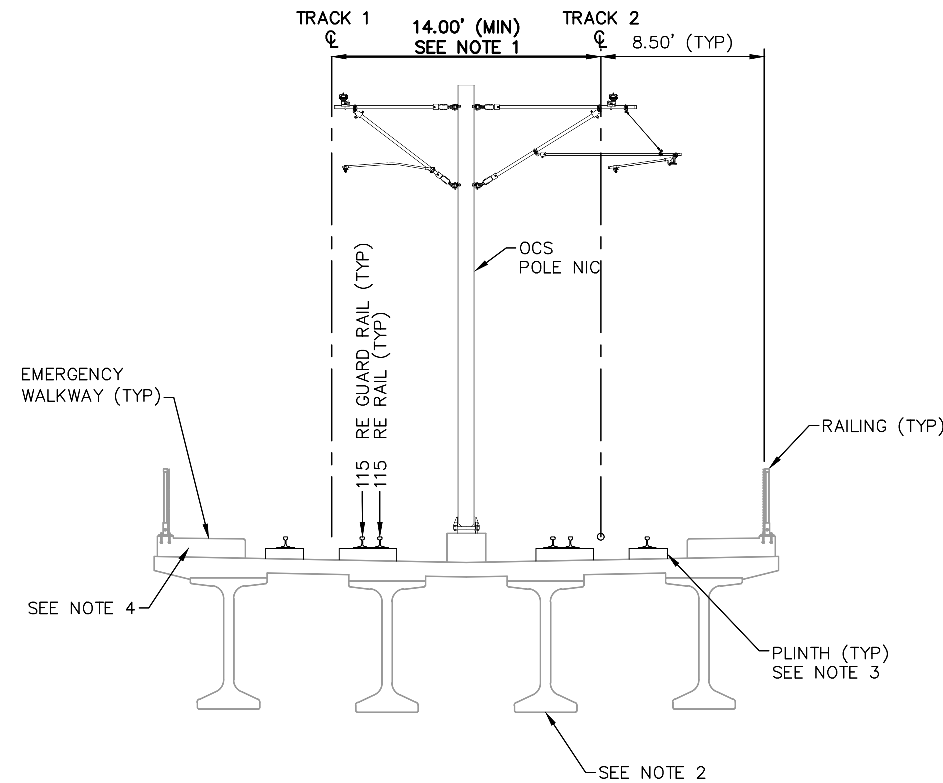
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 005

SHEET 34 OF 211

NOTES:
1. TRACK CENTERS VARY IN CURVES W1-201 AND W1-202. SEE TRACK PLANS.
2. MnDOT BRIDGE 27C06. SEE STRUCTURAL PLANS.
3. SEE TRACK DETAILS FOR PLINTH LAYOUT.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2088+84.14 TO STA 2102+36.14

0 2.5 5 10
SCALE IN FEET

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METROPOLITAN COUNCIL

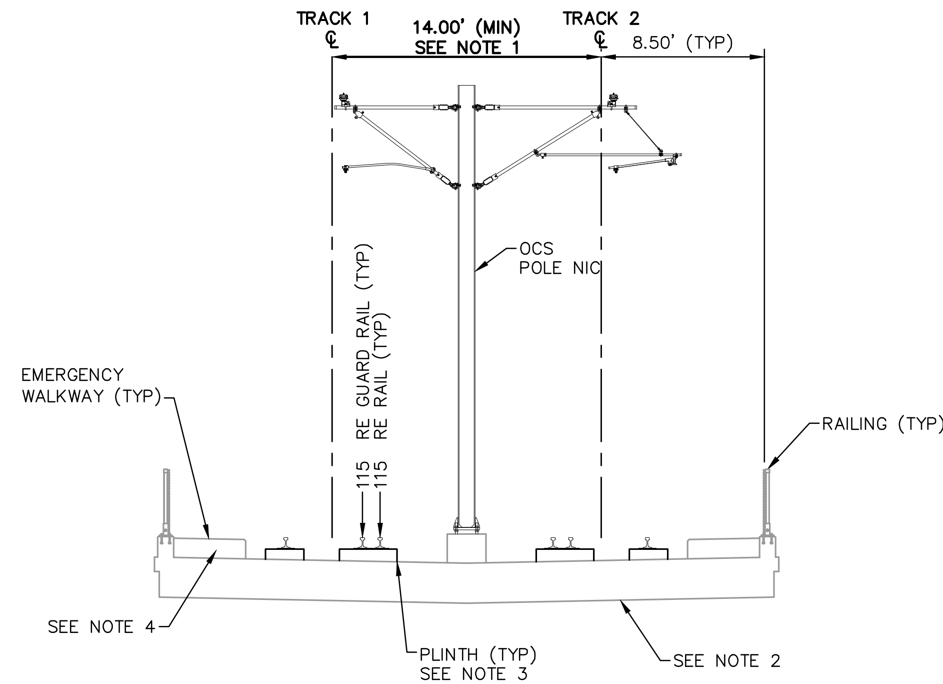
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 006

NOTES:
1. TRACK CENTERS VARY IN CURVE W1-203. SEE TRACK PLANS.
2. MnDOT BRIDGE 27C06. SEE STRUCTURAL PLANS.
3. SEE TRACK DETAILS FOR PLINTH LAYOUT.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2102+36.14 TO STA 2108+37.14

0 2.5 5 10
SCALE IN FEET

Jan, 18 2016 08:48 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-TYP.dwg By: MaurisBM

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METROPOLITAN COUNCIL

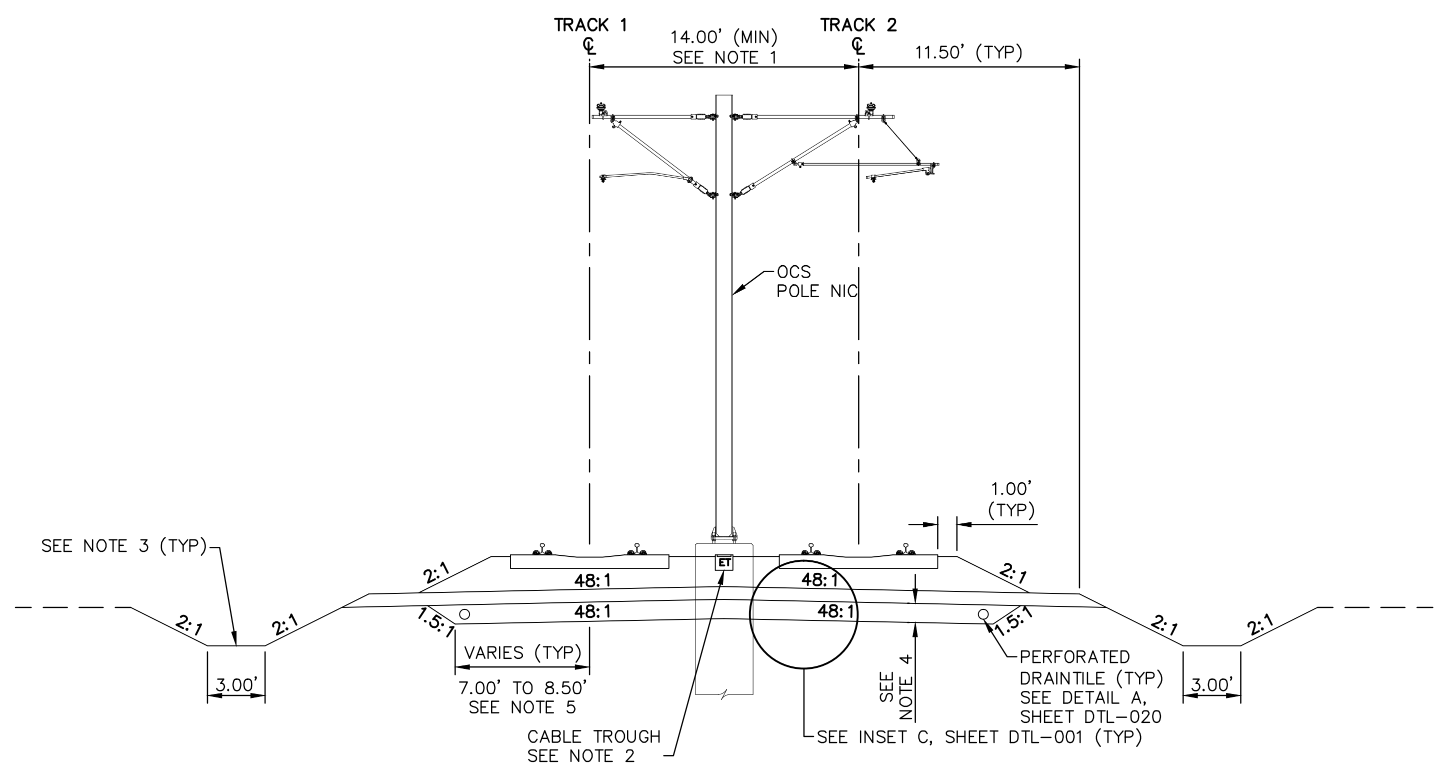
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 007

NOTES:
1. TRACK CENTERS VARY IN CURVE W1-203. SEE TRACK PLANS.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
4. SELECT GRANULAR DEPTH:
   STA 2108+37.14 TO STA 2110+00.00: 1.00'
   STA 2110+52.24: 3.33'
   TRANSITION LINEARLY BETWEEN STA 2110+00.00 AND STA 2110+52.24.
5. TRANSITION FROM 7.00' TO 8.50' BETWEEN STA 2110+00.00 AND STA 2110+52.24.



TYPICAL SECTION
STA 2108+37.14 TO STA 2110+52.24

0 2.5 5 10
SCALE IN FEET

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METROPOLITAN COUNCIL

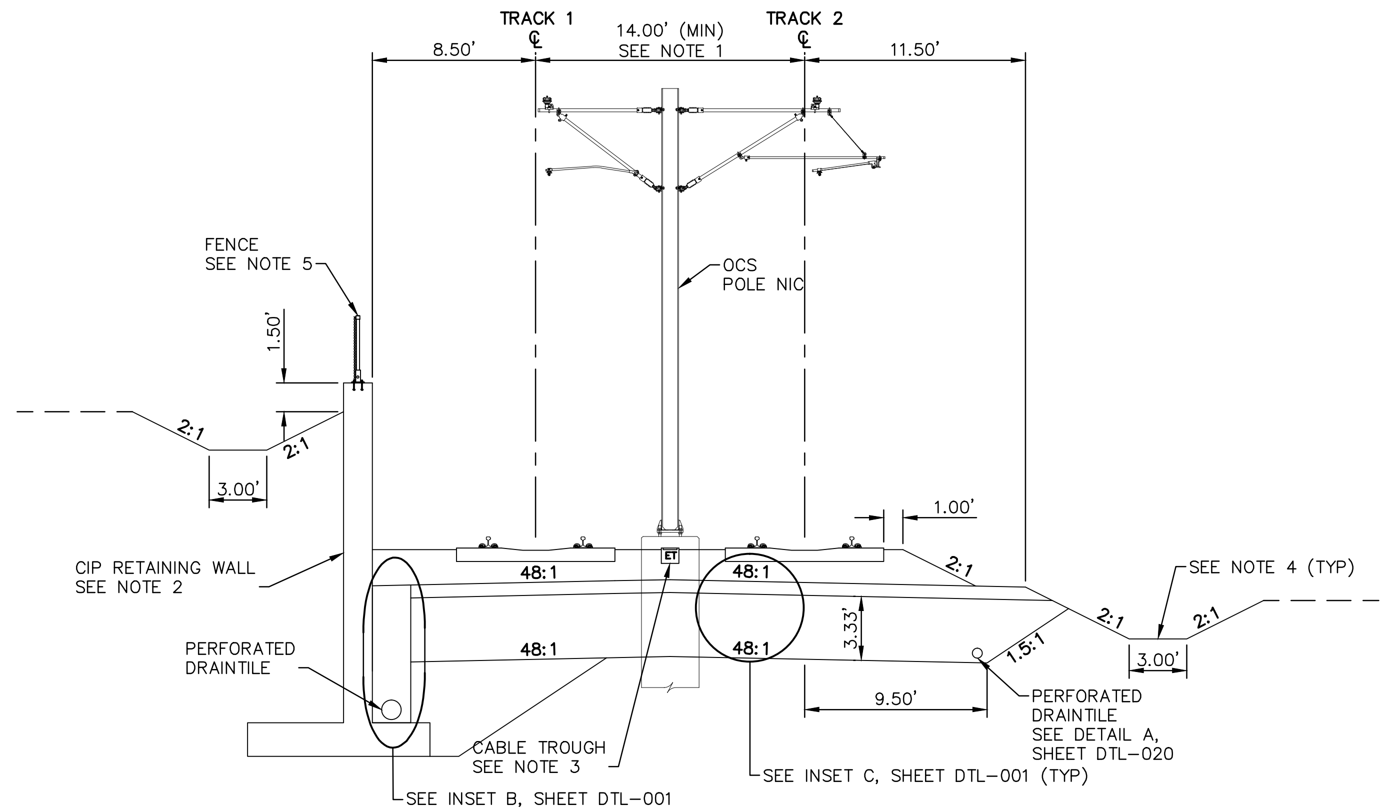
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 008

NOTES:
1. TRACK CENTERS VARY IN CURVE W1-104. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONSAND DETAILS.



TYPICAL SECTION
STA 2110+52.24 TO STA 2112+07.79

0 2.5 5 10
SCALE IN FEET

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

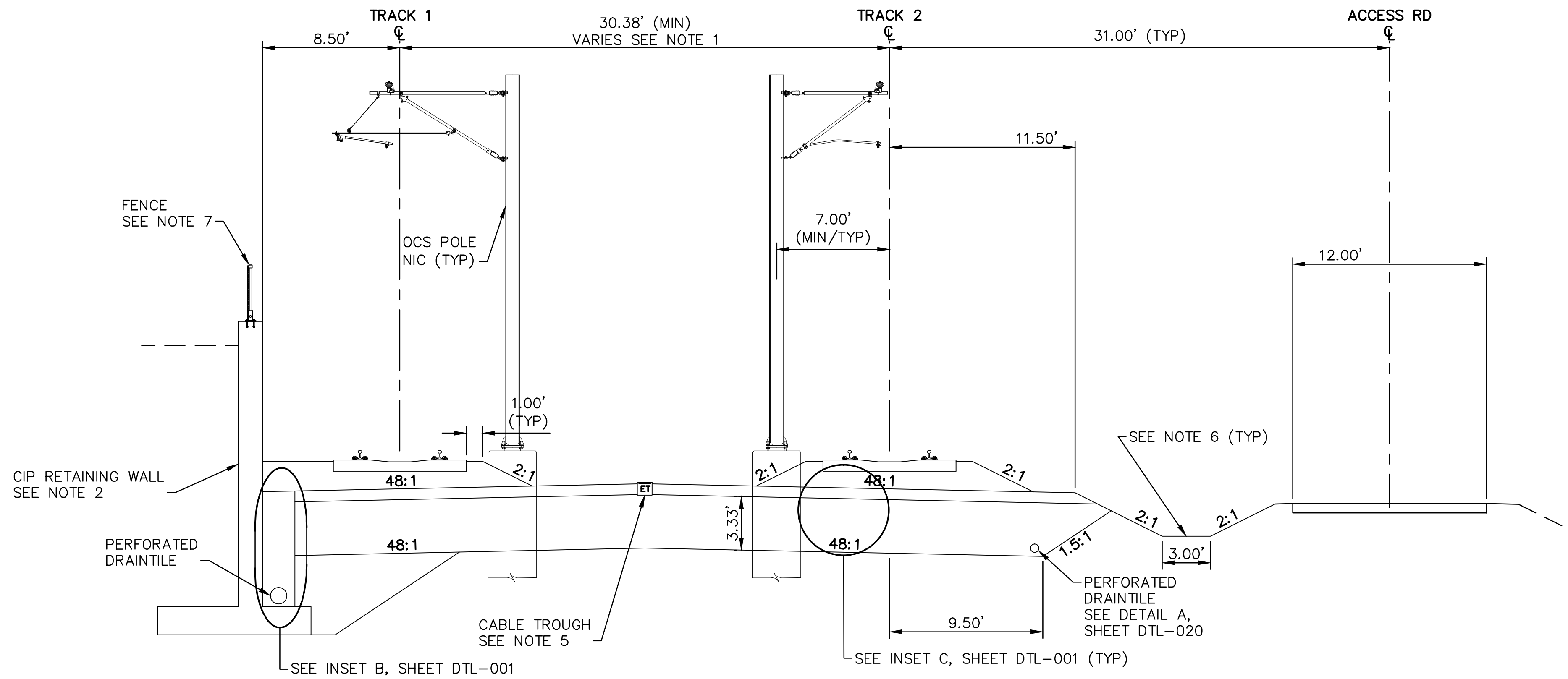
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 009

SHEET 38 OF 211

NOTES:
1. TRACK CENTERS VARY IN CURVE W1-105. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. TPSS SITE ON TRACK 2 SIDE NOT DEPICTED BETWEEN STA. 2112+08 AND 2113+01.
4. LIMITS OF TOWN CENTER STATION (DEFERRED) ARE BETWEEN STA. 2115+57.17 AND 2118+27.17. NOT ILLUSTRATED.
5. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
6. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
7. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONSAND DETAILS.



TYPICAL SECTION
STA 2112+07.79 TO STA 2115+70.33

0 2.5 5 10
SCALE IN FEET

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METROPOLITAN COUNCIL

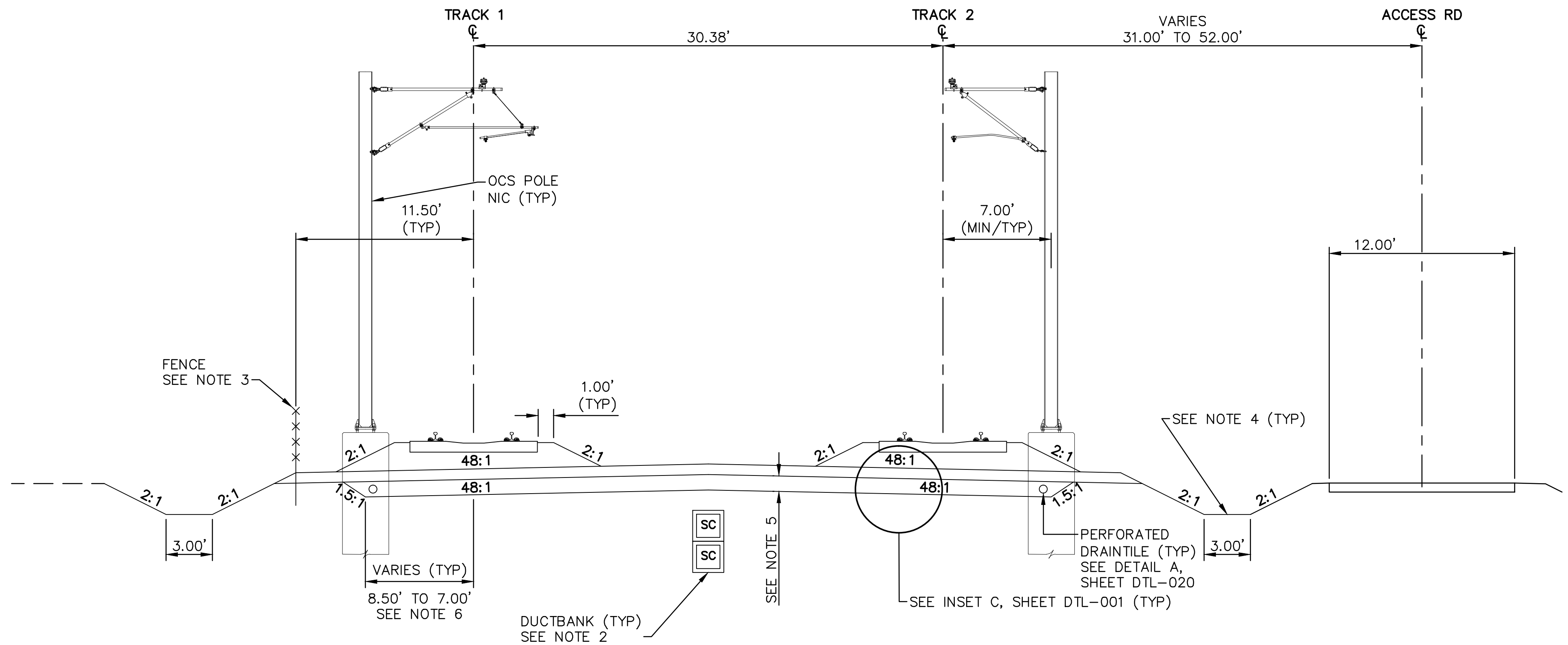
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 010

NOTES:
1. LIMITS OF TOWN CENTER STATION (DEFERRED) ARE BETWEEN STA. 2115+57.17 AND 2118+27.17. NOT ILLUSTRATED.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
5. SELECT GRANULAR DEPTH:
   STA 2115+67.79: 3.33'
   STA 2116+15.00 TO STA 2118+27.17: 1.00'
   TRANSITION LINEARLY BETWEEN STA 2115+67.79 AND STA 2116+15.00.
6. TRANSITION FROM 8.50' TO 7.00' BETWEEN STA 2115+67.79 AND STA 2116+15.00.



TYPICAL SECTION
STA 2115+70.33 TO STA 2118+27.17

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

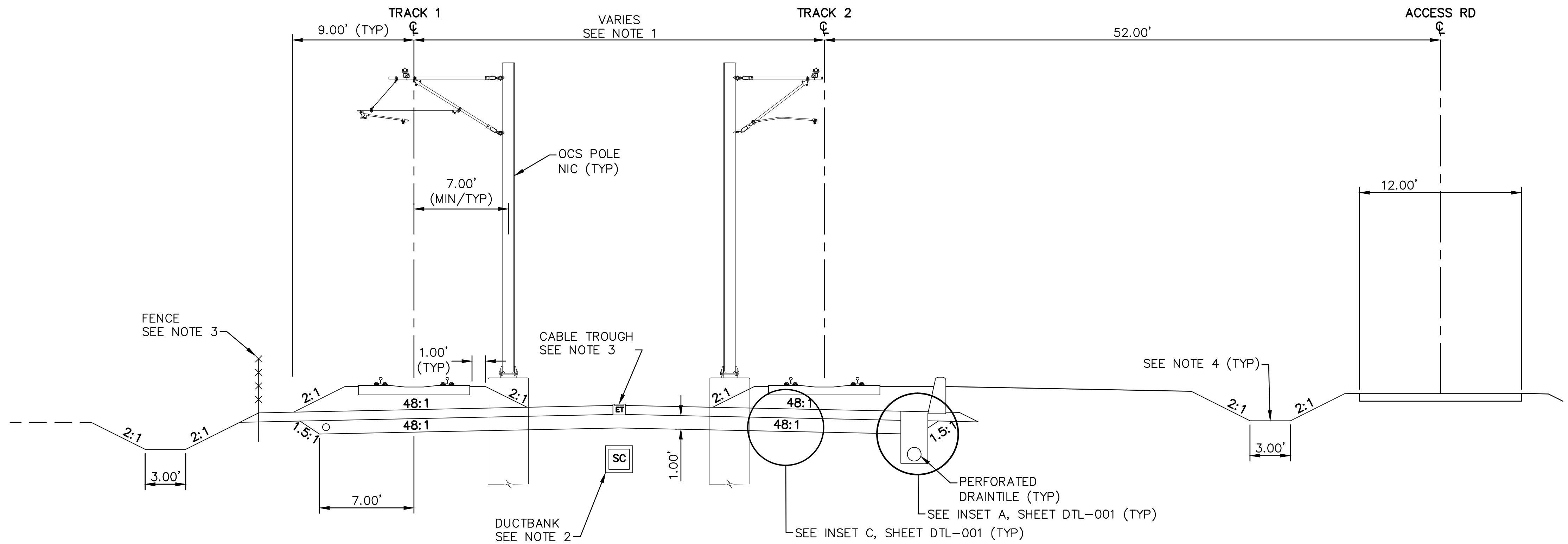
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 011

Jan, 18 2016 08:49 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-TYP.dwg By: MaurisBM

NOTES:
1. TRACK CENTERS NARROW FROM 30.38' TO 20.00' BETWEEN STA. 2118+77.32 AND 2121+65.07.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONSAND DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2118+27.17 TO STA 2121+65.07

0 2.5 5 10
SCALE IN FEET

Jan, 18 2016 08:49 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-TYP.dwg By: MaurisBM

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

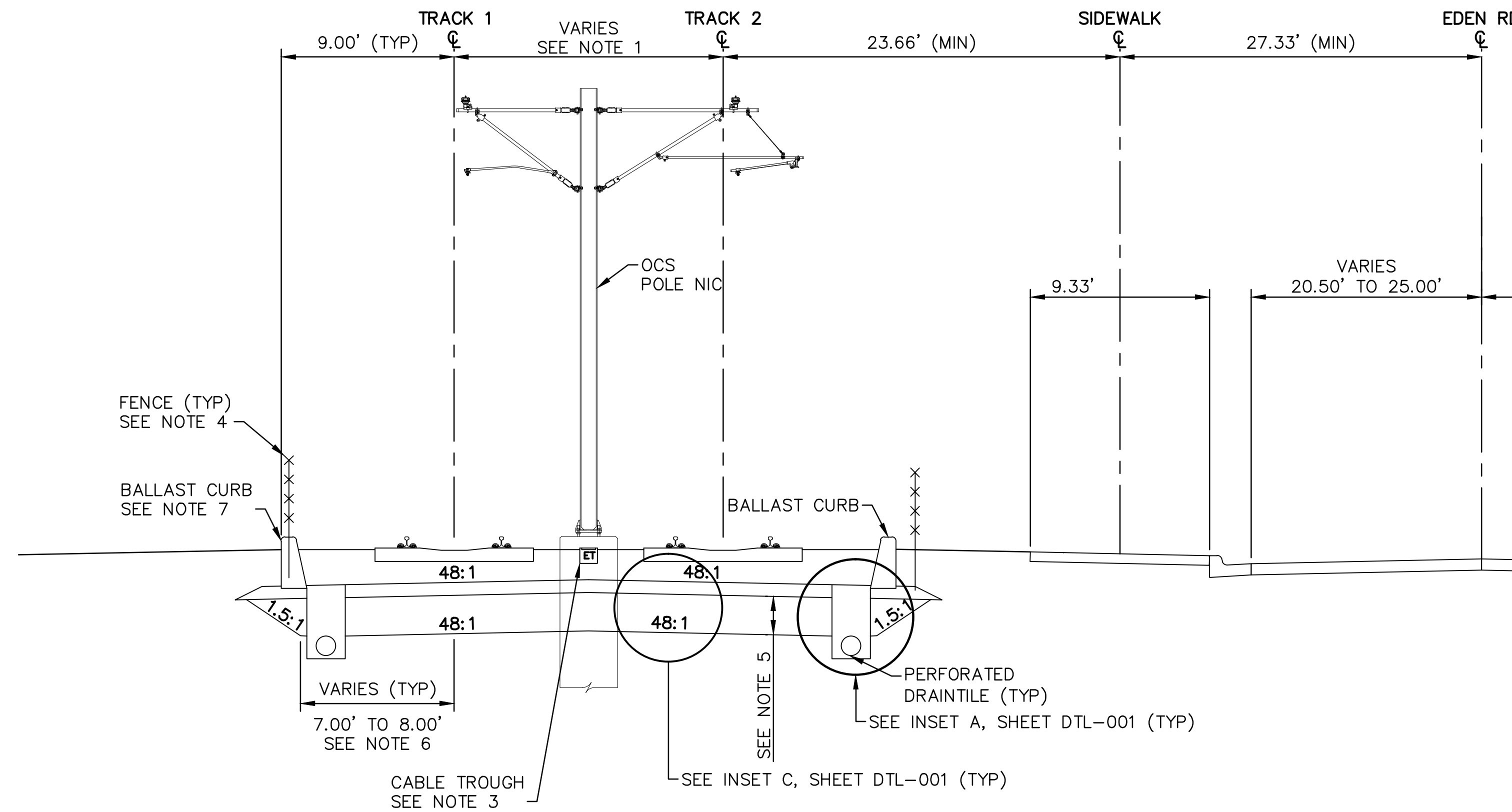
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 012

NOTES:
1. TRACK CENTERS NARROW FROM 20.00' TO 14.00' BETWEEN STA. 5121+65.07 AND 2126+24.68. SEE TRACK PLANS.
2. SECTION DOES NOT ILLUSTRATE GRADE CROSSING AT EDEN ROAD. SEE TRACK PLANS AND DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
5. SELECT GRANULAR DEPTH:
   STA 2121+65.07 TO STA 2127+60.00: 1.00'
   STA 2127+80.00 TO STA 2129+50.00: 2.00'
   TRANSITION LINEARLY BETWEEN STA 2127+60.00 AND STA 2127+80.00.
6. TRANSITION FROM 7.00' TO 8.00' BETWEEN STA 2127+60.00 AND STA 2127+80.00.
7. BALLAST CURB BEGINS AT STA 2122+38.35.



TYPICAL SECTION
STA 2121+65.07 TO STA 2129+50.00

0 2.5 5 10
SCALE IN FEET

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

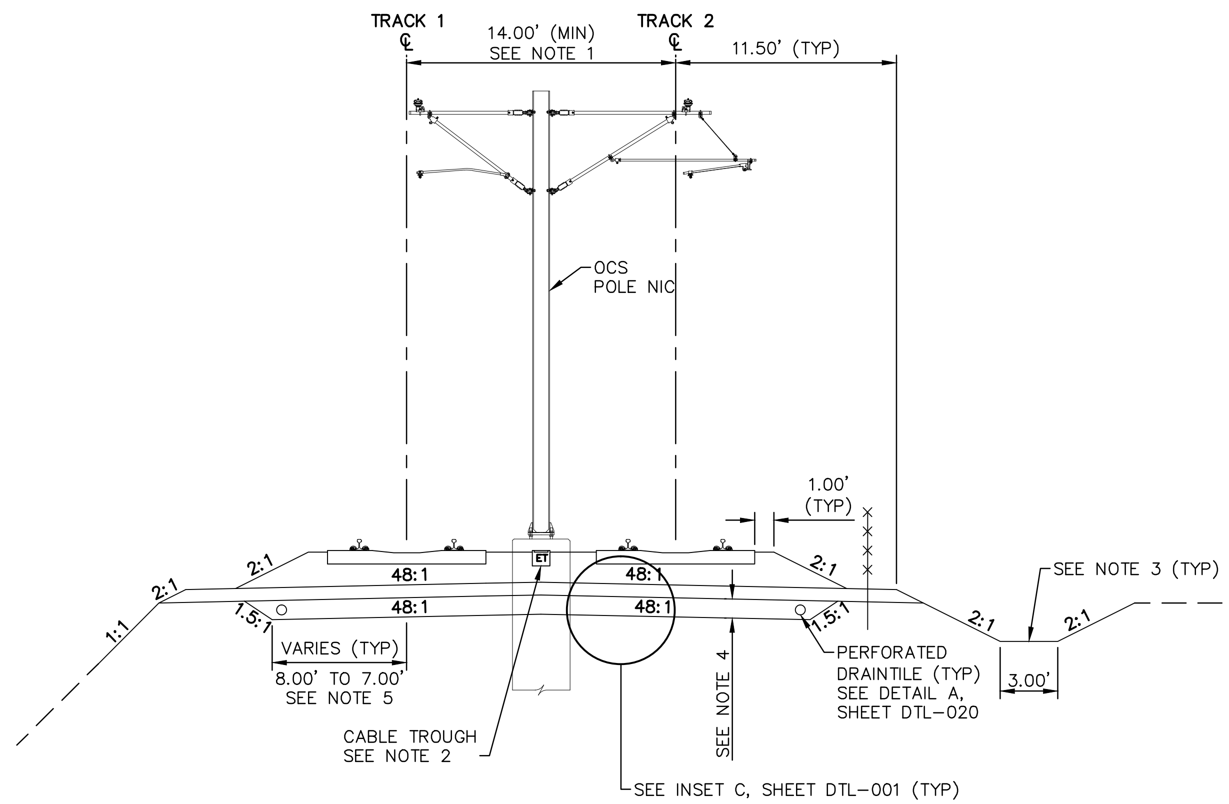
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 013

NOTES:
1. TRACK CENTERS VARY IN CURVE W1-208. SEE TRACK PLANS.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
4. SELECT GRANULAR DEPTH:
   STA 2129+50.00: 2.00'
   STA 2129+70.00 TO STA 2131+33.58: 1.00'
   TRANSITION LINEARLY BETWEEN STA 2129+50.00 AND STA 2129+70.00.
5. TRANSITION FROM 8.00' TO 7.00' BETWEEN STA 2129+50.00 AND STA 2129+70.00.



TYPICAL SECTION
STA 2129+50.00 TO STA 2131+33.58

0 2.5 5 10
SCALE IN FEET

Jan, 18 2016 08:50 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-TYP.dwg By: MaurisBM

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METROPOLITAN COUNCIL

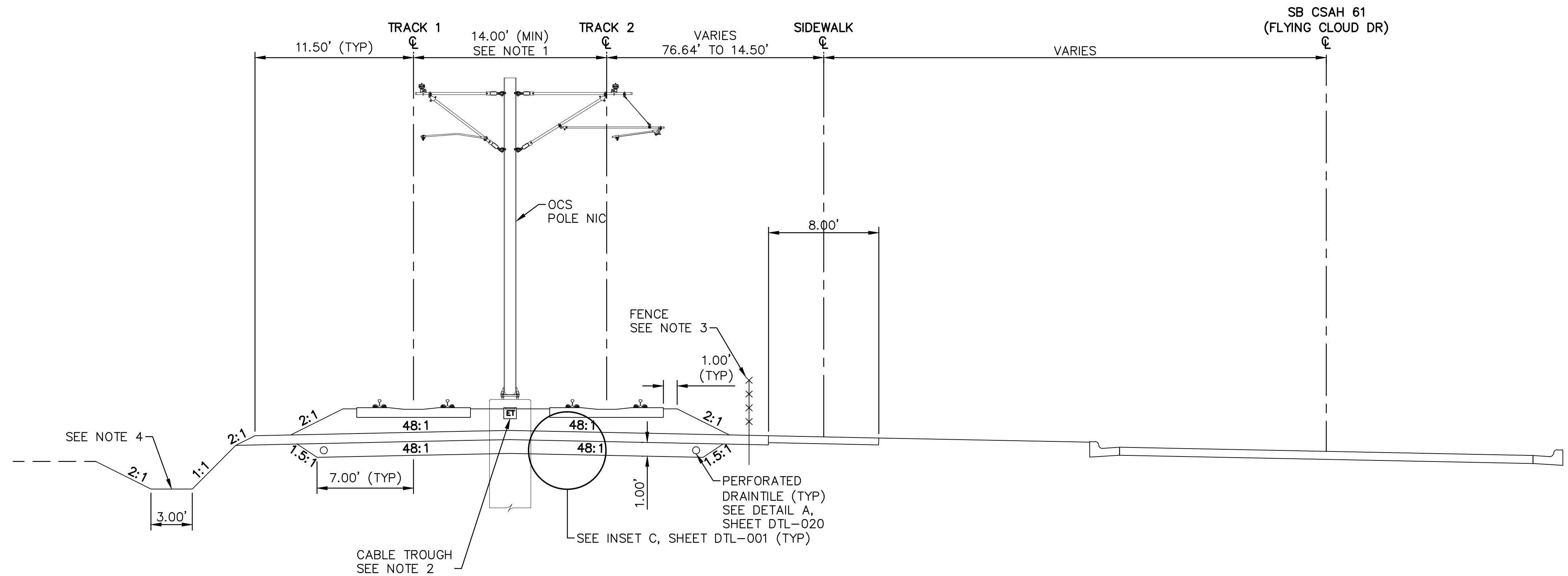
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 014

NOTES:
1. TRACK CENTERS VARY IN CURVE W1-208. SEE TRACK PLANS.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2131+33.58 TO STA 2135+19.09

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

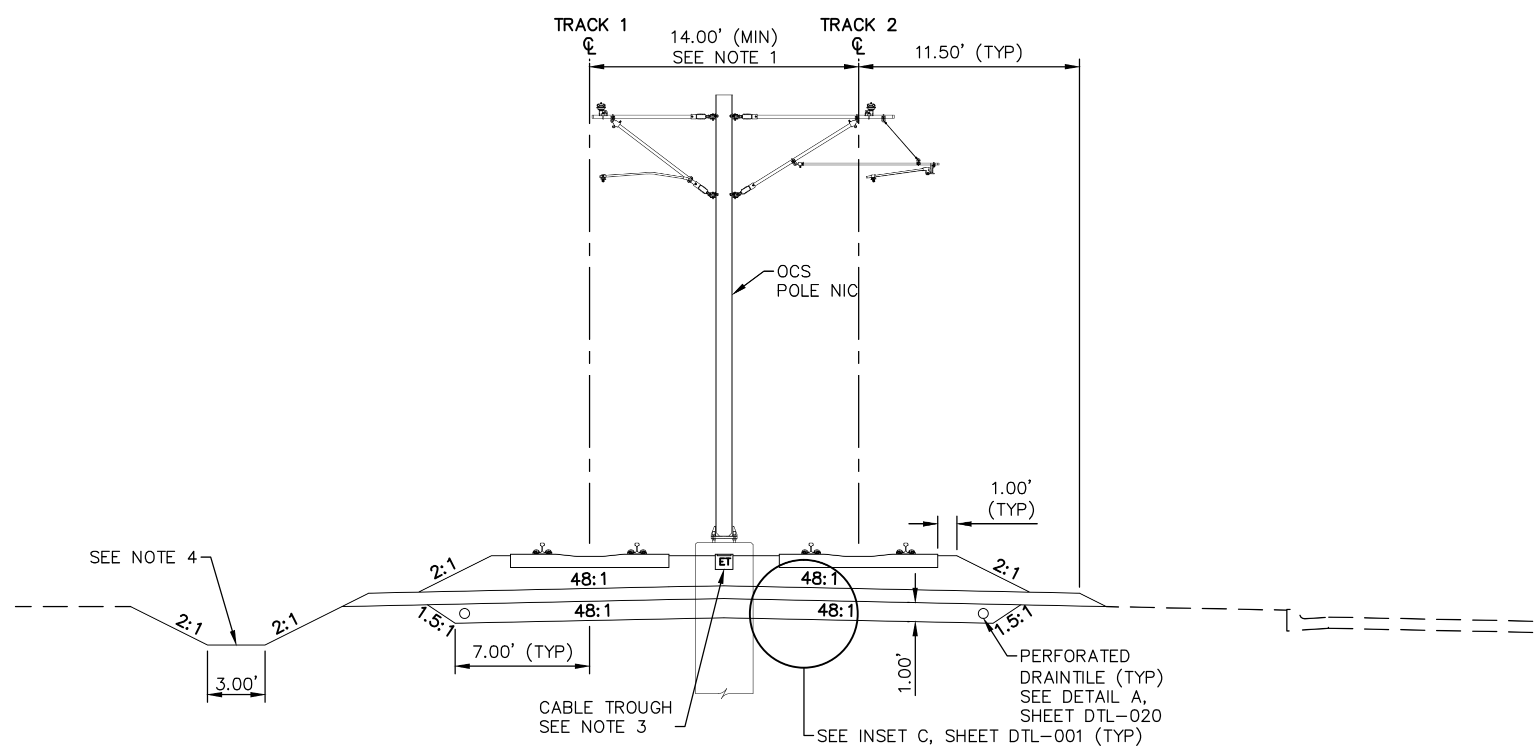
DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 015

SHEET 44 OF 211

Jan. 18 2016 08:50 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-TYP.dwg By: MaurisBM

NOTES:
1. TRACK CENTERS VARY IN CURVE W1-209. SEE TRACK PLANS.
2. SECTION DOES NOT ILLUSTRATE GRADE CROSSING AT TECHNOLOGY DRIVE. SEE TRACK PLANS AND DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2135+19.09 TO STA 2138+57.61

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

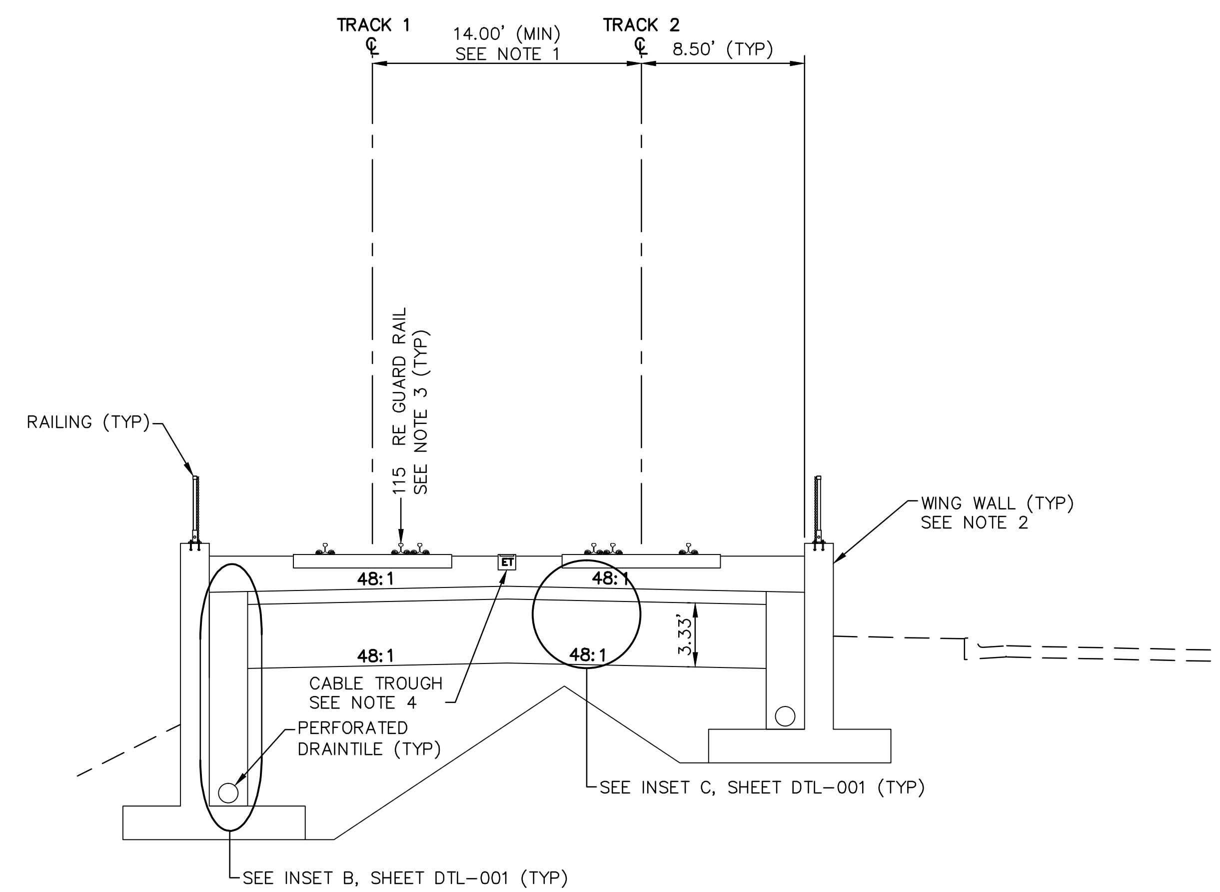
DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 016

SHEET 45 OF 211

Jan. 18 2016 08:50 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-TYP.dwg By: MaurisBM

NOTES:
1. TRACK CENTERS VARY IN CURVE W1-209. SEE TRACK PLANS.
2. SEE BRIDGE PLANS FOR WING WALL DETAILS.
3. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2138+57.61 TO STA 2138+89.27

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

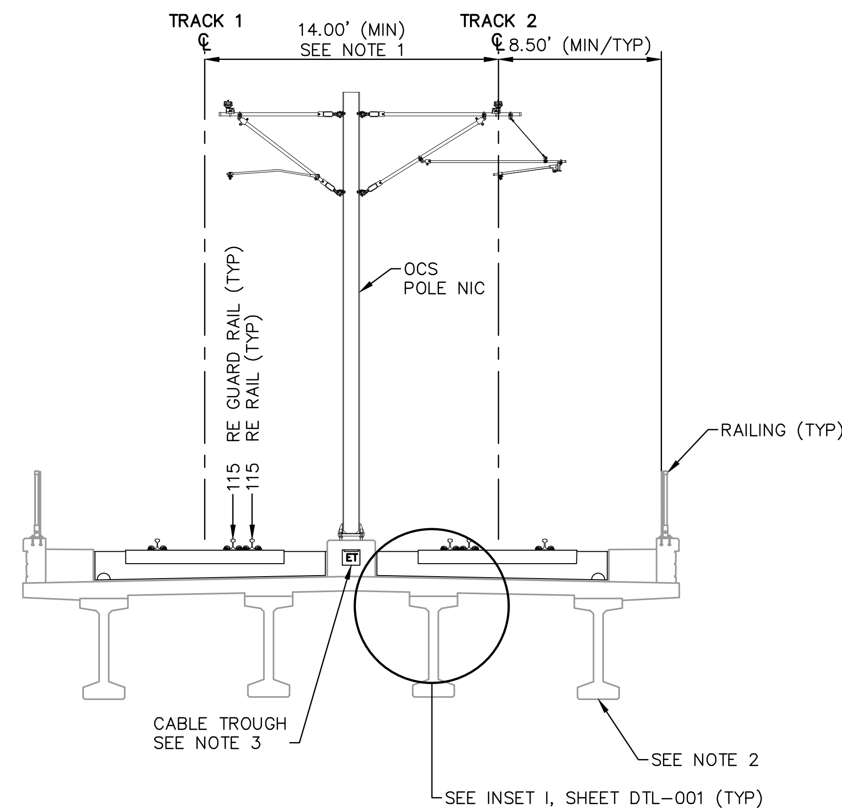
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 017

NOTES:
1. TRACK CENTERS VARY IN CURVE W1-209. SEE TRACK PLANS.
2. MnDOT BRIDGE 27W32. SEE STRUCTURAL PLANS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2138+89.27 TO STA 2140+86.00

0 2.5 5 10
SCALE IN FEET

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METROPOLITAN COUNCIL

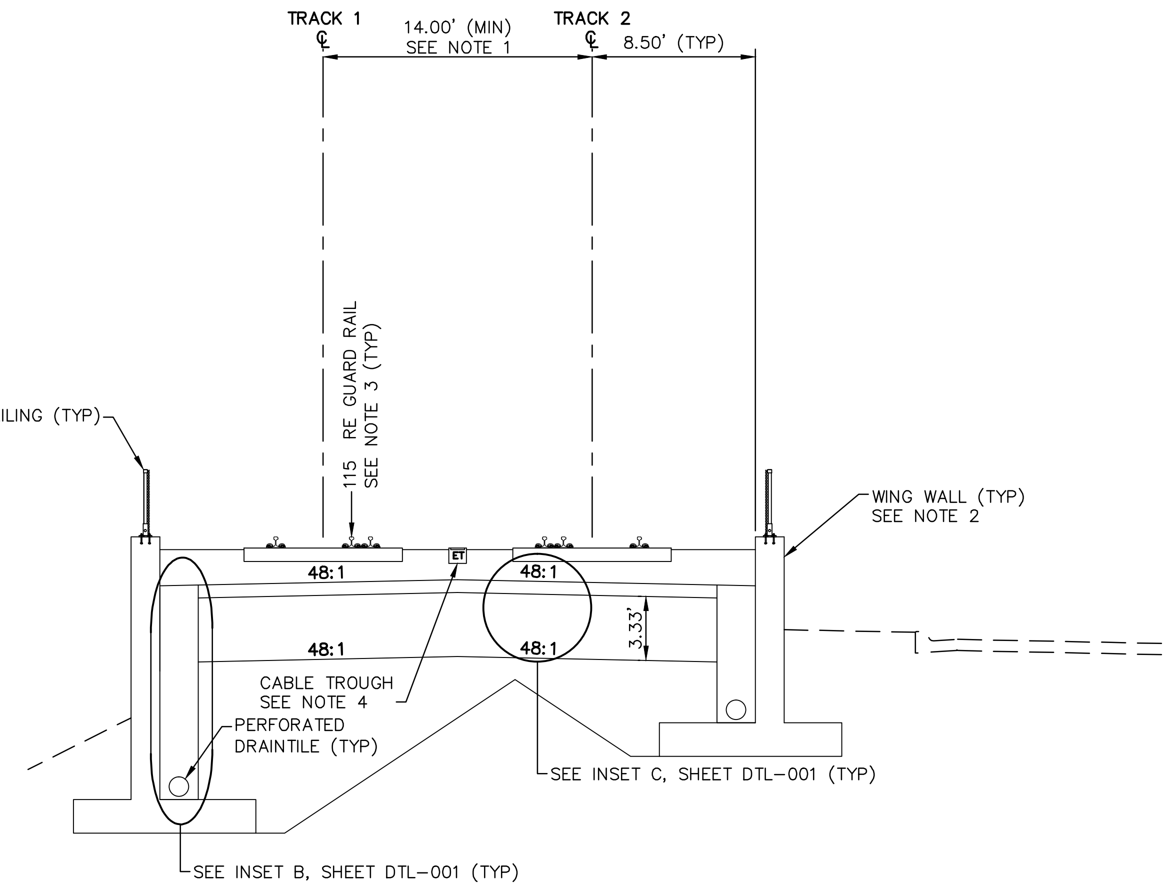
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 018

NOTES:
1. TRACK CENTERS VARY IN CURVE W1-209. SEE TRACK PLANS.
2. SEE BRIDGE PLANS FOR WING WALL DETAILS.
3. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2140+86.00 TO STA 2141+36.48

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

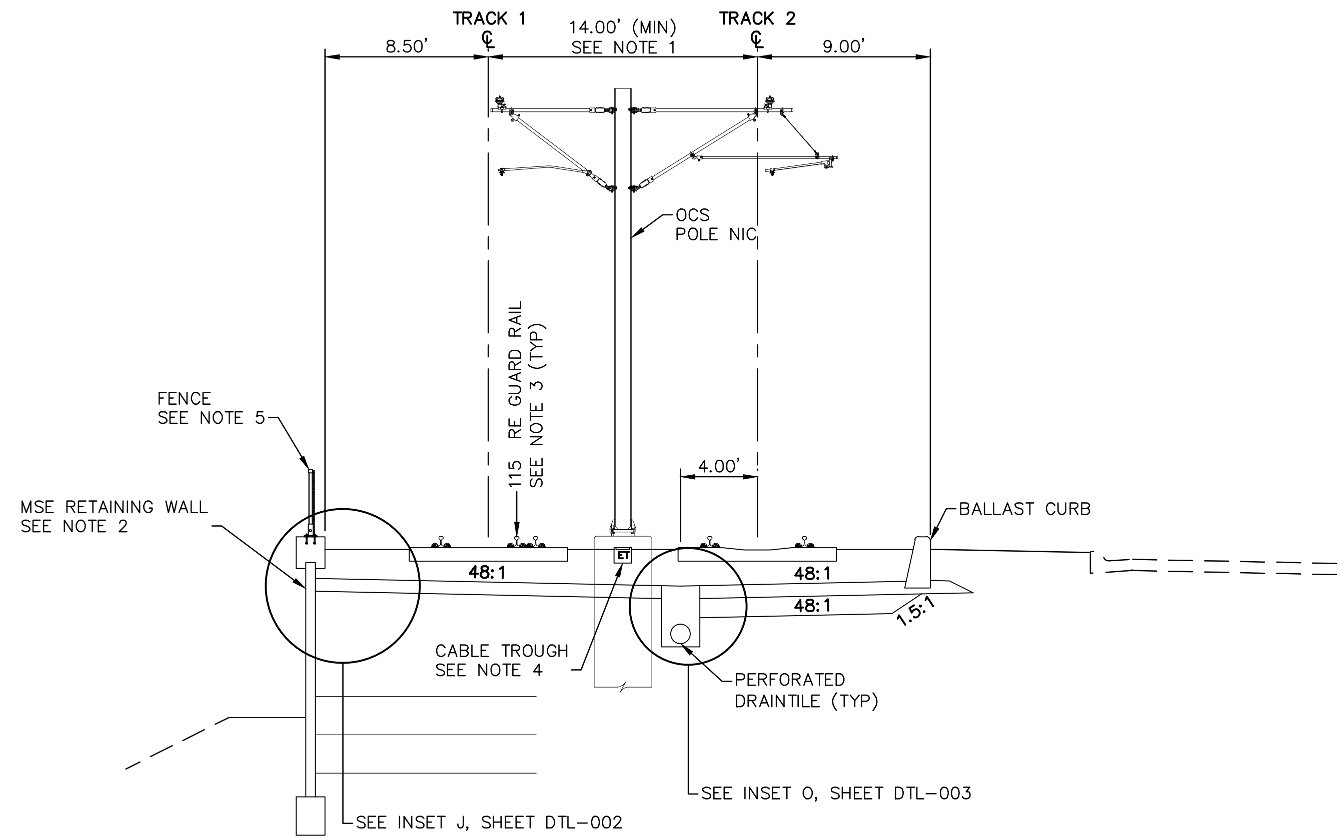
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 019

NOTES:
1. TRACK CENTERS VARY IN CURVE W1-209. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONSAND DETAILS.



TYPICAL SECTION
STA 2141+36.48 TO STA 2146+68.34

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

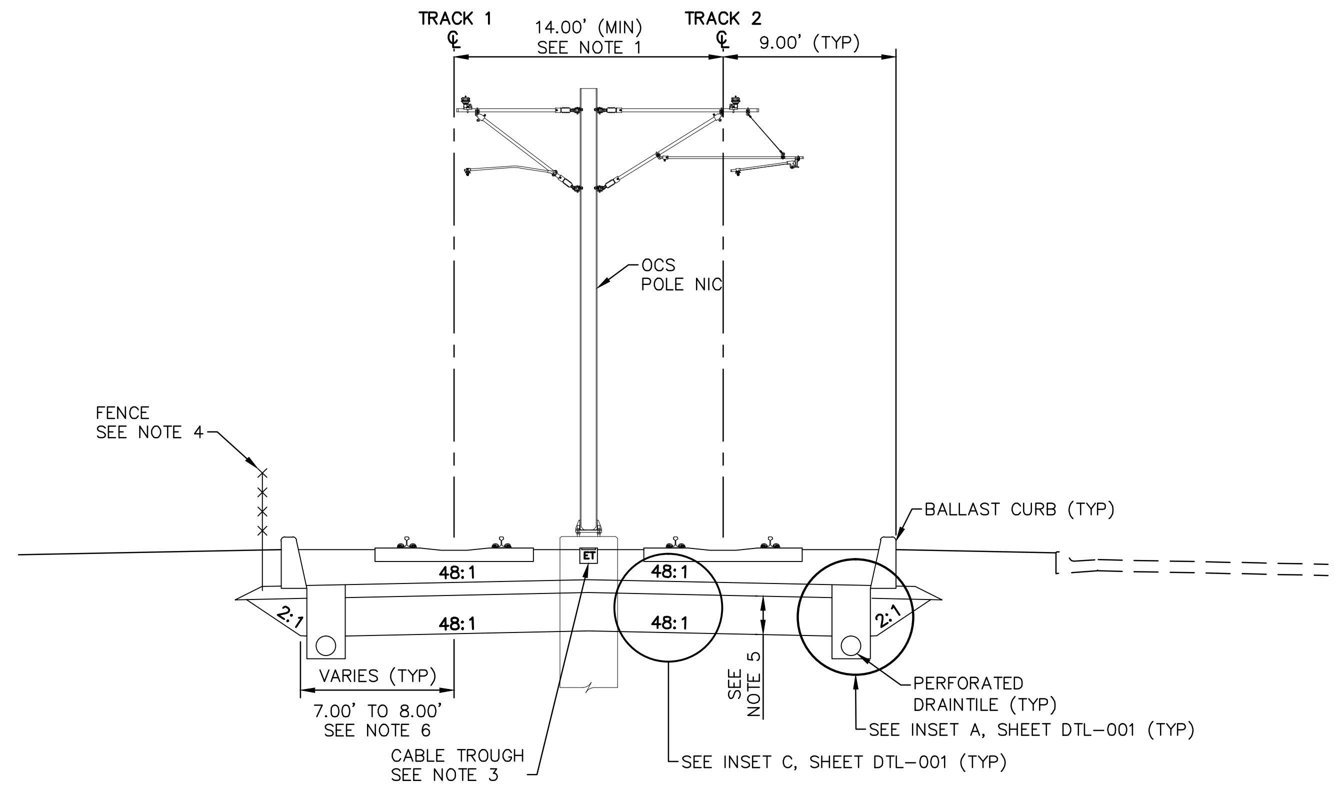
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 020

SHEET 49 OF 211

NOTES:
1. TRACK CENTERS VARY IN CURVE W1-209. SEE TRACK PLANS.
2. SECTION DOES NOT ILLUSTRATE GRADE CROSSING AT VIKING DRIVE. SEE TRACK PLANS AND DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
5. SELECT GRANULAR DEPTH:
   STA 2146+68.34 TO STA 2148+50.00: 2.00'
   STA 2148+70.00 TO STA 2152+66.63: 1.00'
   TRANSITION LINEARLY BETWEEN STA 2148+50.00 AND STA 2148+70.00.
6. TRANSITION FROM 7.00' TO 8.00' BETWEEN STA 2146+80 AND 2147+00. TRANSITION FROM 8.00' TO 7.00' BETWEEN STA 2148+50.00 AND 2148+70.00.



TYPICAL SECTION
STA 2146+68.34 TO STA 2152+66.63

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

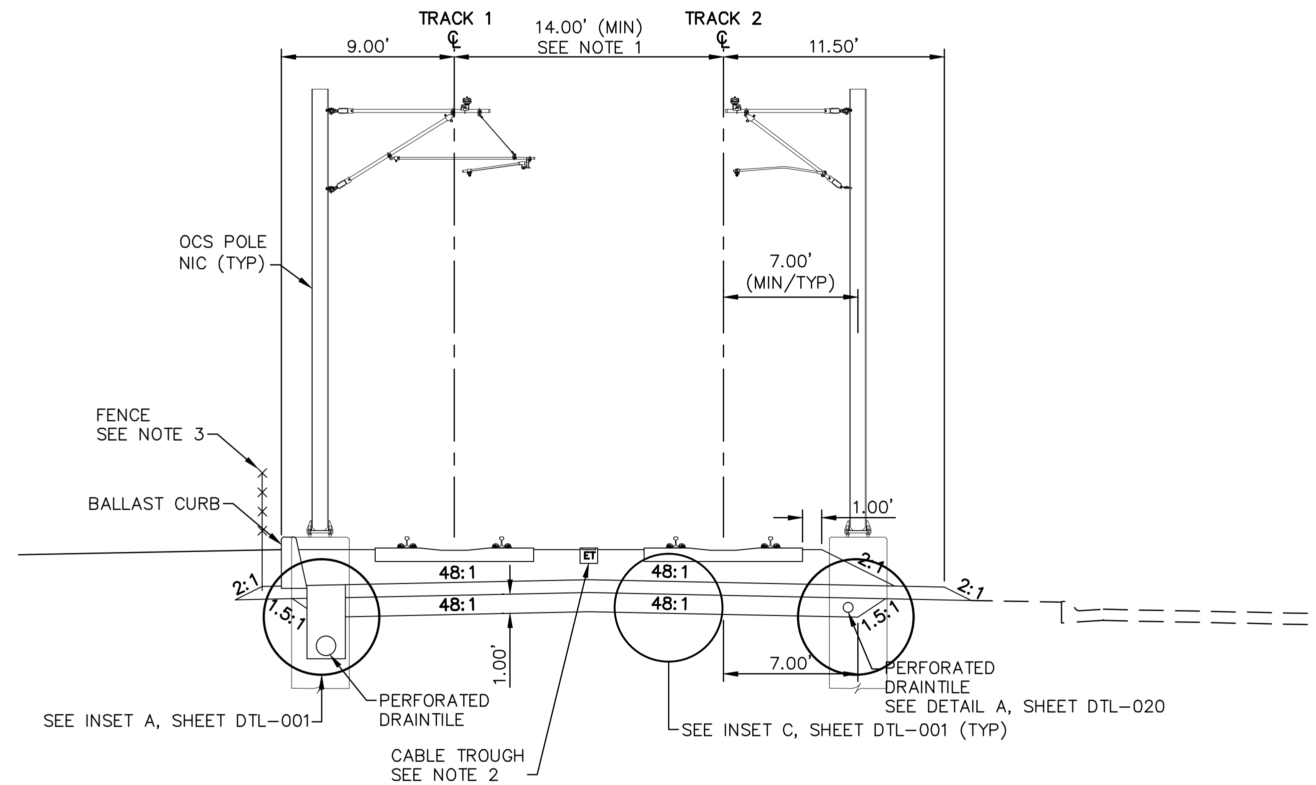
DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 021

SHEET 50 OF 211

Jan, 18 2016 08:51 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-TYP.dwg By: MaurisBM

NOTES:
1. TRACK CENTERS VARY IN CURVES W1-209 AND W1-210. SEE TRACK PLANS.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2152+66.63 TO STA 2154+39.28

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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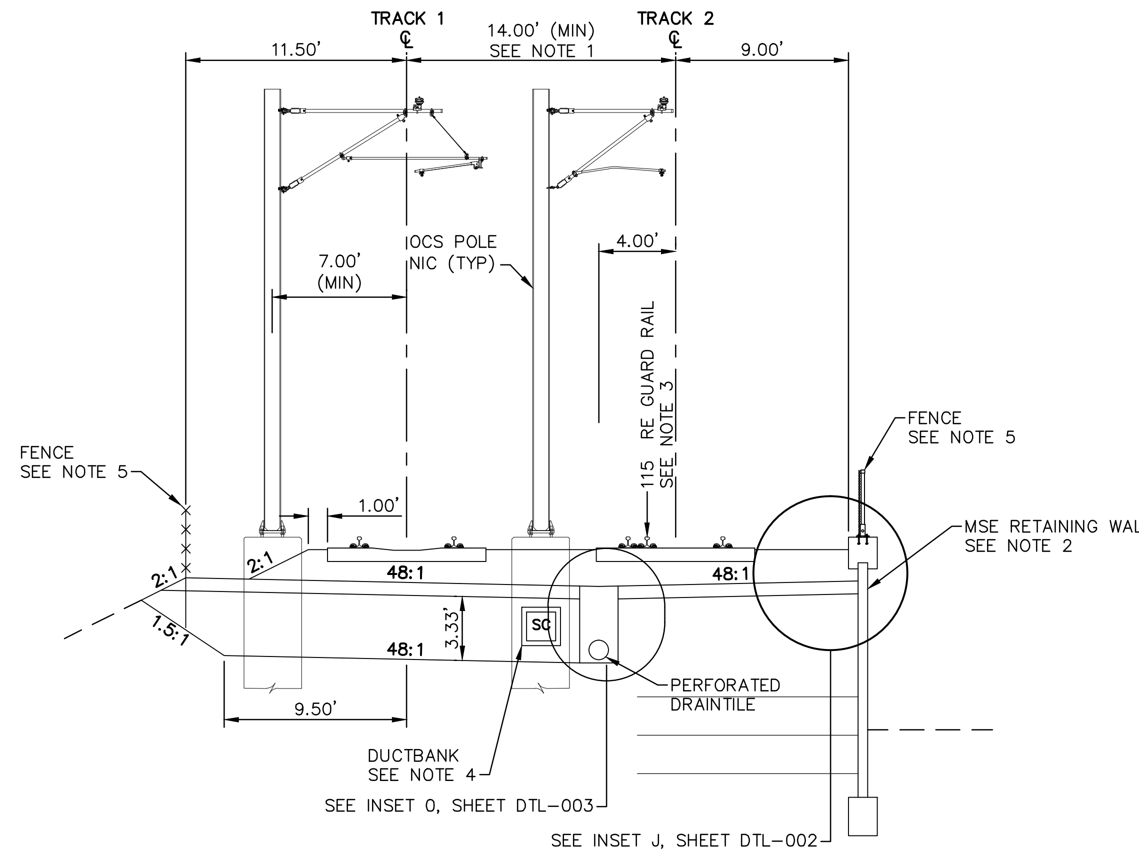
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK
SHEET NAME: W1-TRK-TYP - 022

NOTES:
1. TRACK CENTERS VARY IN CURVE W1-210. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2154+39.28 TO STA 2155+49.94

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

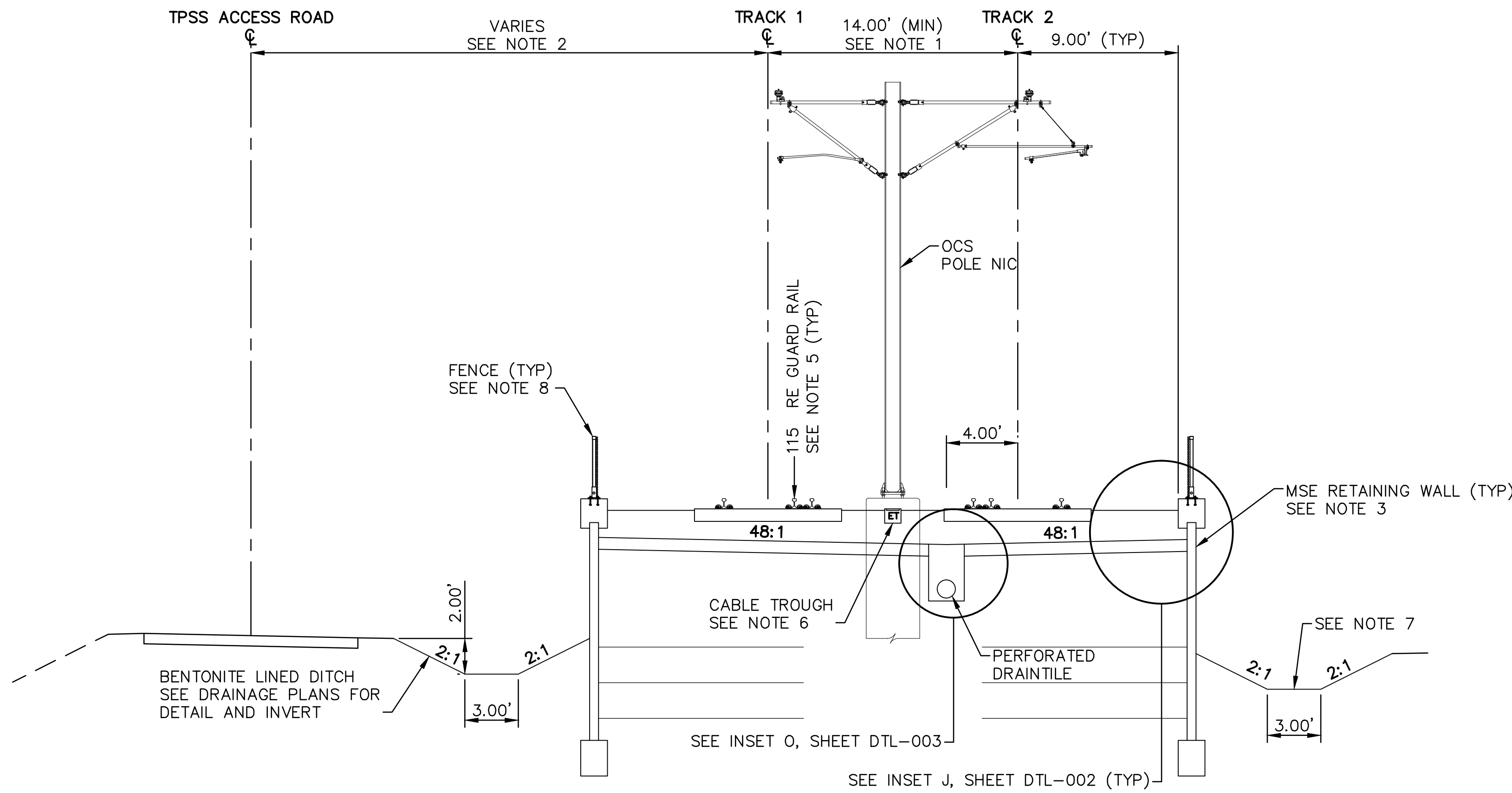
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 023

NOTES:
1. TRACK CENTERS VARY IN CURVE W1-210. SEE TRACK PLANS.
2. OFFSET FROM ℄ TRACK 1 TO ℄ ACCESS ROAD VARIES FROM 76.02' TO 50.93'
3. SEE RETAINING WALL PLANS FOR DETAILS.
4. TPSS SITE NOT DEPICTED BETWEEN STA. 2155+65 AND STA. 2156+26.
5. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
6. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
7. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
8. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2155+49.94 TO STA 2157+94.68

0 2.5 5 10
SCALE IN FEET

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

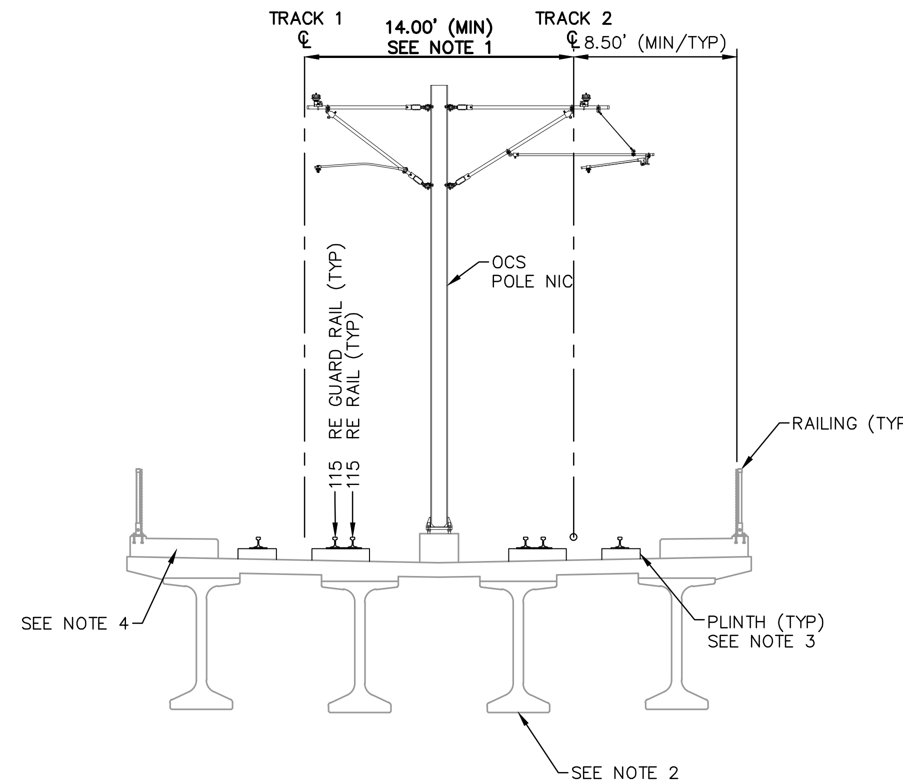
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 024

SHEET 53 OF 211

NOTES:
1. TRACK CENTERS VARY IN CURVE W1-211. SEE TRACK PLANS.
2. MnDOT BRIDGE BR27R33. SEE STRUCTURAL PLANS.
3. SEE TRACK DETAILS FOR PLINTH LAYOUT.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2157+94.68 TO STA 2167+91.35

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

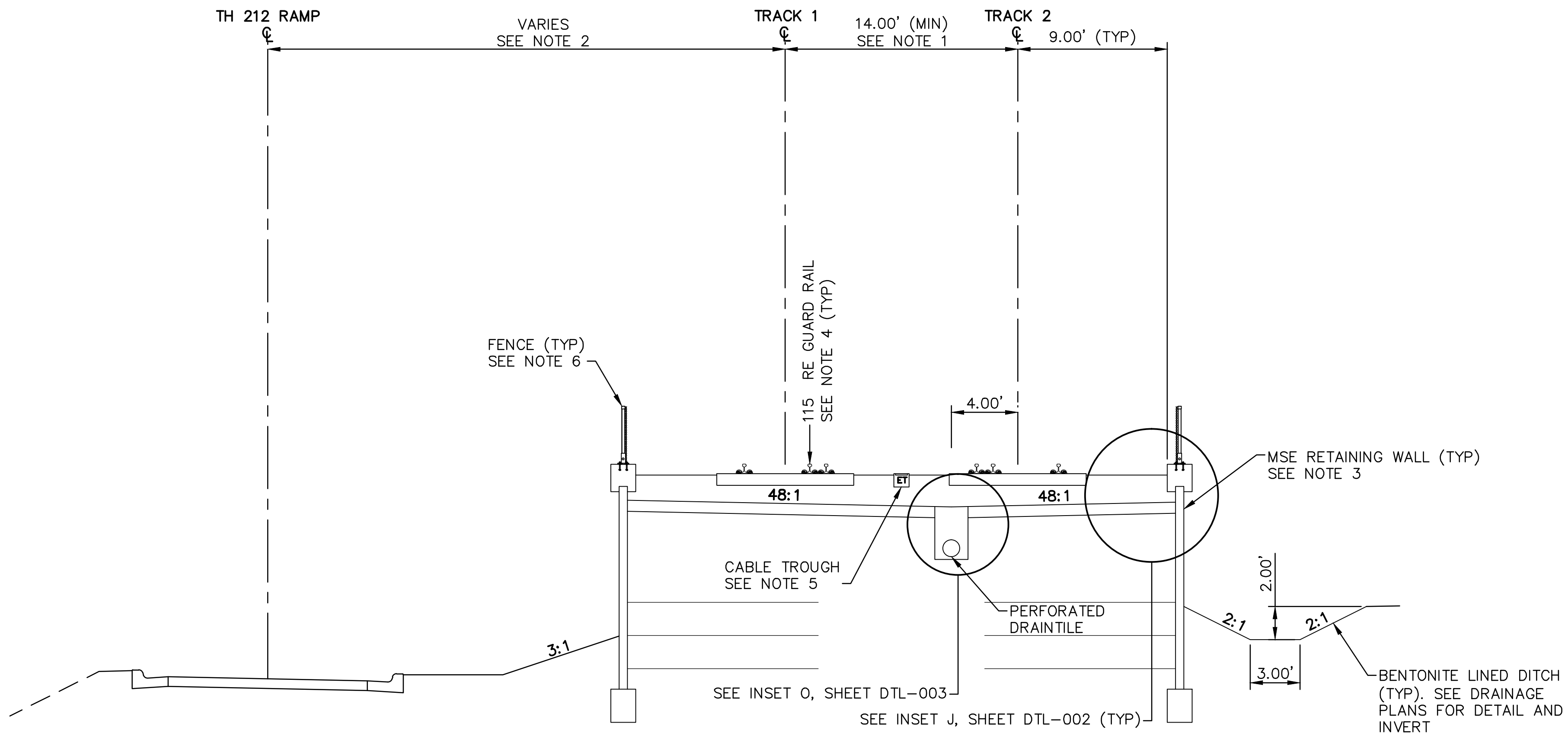
DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 025

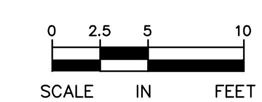
SHEET 54 OF 211

Jan. 18 2016 08:52 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-TYP.dwg By: MaurisBM

NOTES:
1. TRACK CENTERS VARY IN CURVE W1–211. SEE TRACK PLANS.
2. OFFSET FROM ℄ TRACK 1 TO ℄ TH 212 RAMP VARIES FROM 40.31' TO 55.22'.
3. SEE RETAINING WALL PLANS FOR DETAILS.
4. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
5. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2167+91.35 TO STA 2168+33.96



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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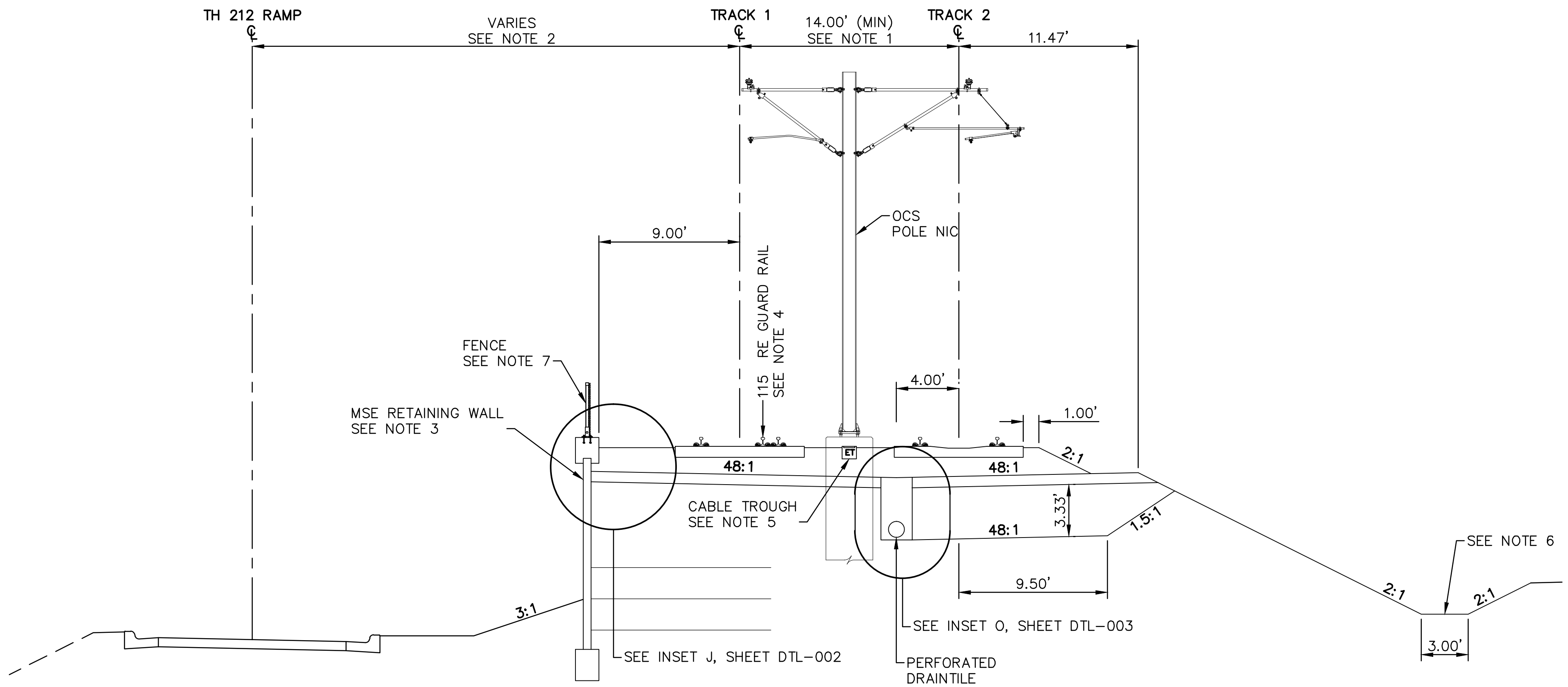
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 026

NOTES:
1. TRACK CENTERS VARY IN CURVE W1-211. SEE TRACK PLANS.
2. OFFSET FROM ℄ TRACK 1 TO ℄ TH 212 RAMP VARIES FROM 55.22' TO 71.10'.
3. SEE RETAINING WALL PLANS FOR DETAILS.
4. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
5. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
6. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
7. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2168+33.96 TO STA 2169+14.25

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

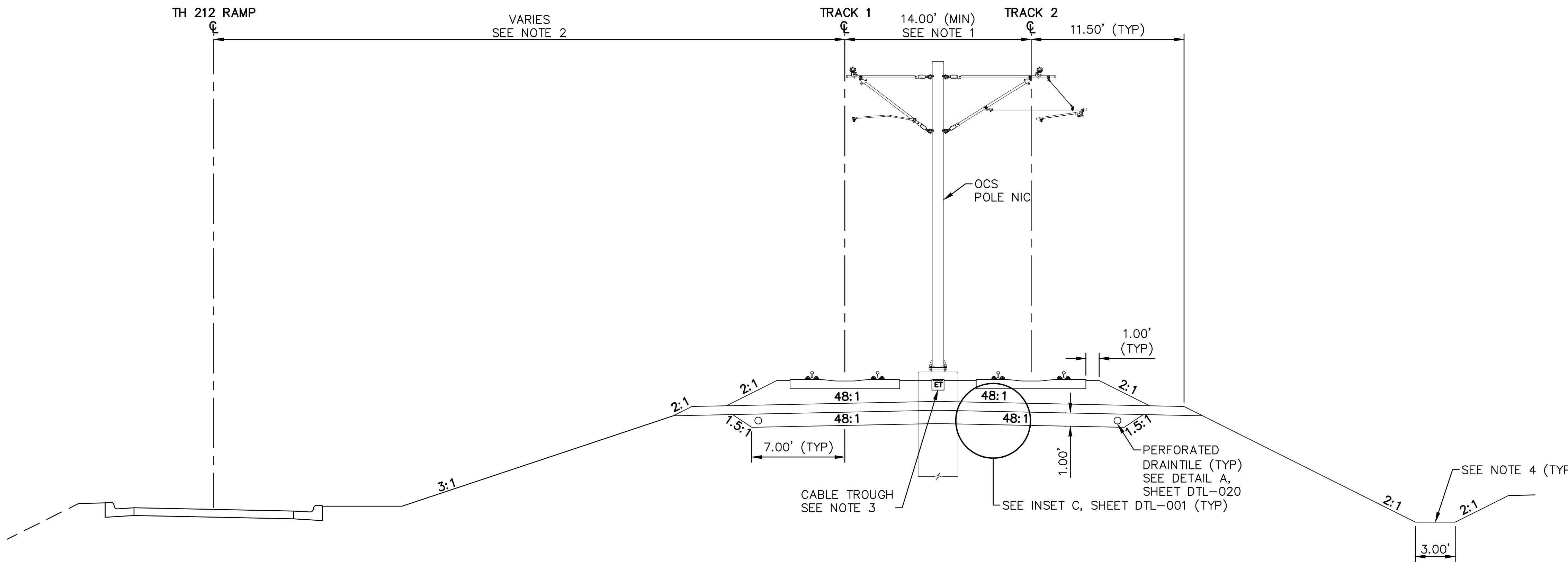
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 027

NOTES:
1. TRACK CENTERS VARY IN CURVE W1-211. SEE TRACK PLANS.
2. OFFSET FROM ℄ TRACK 1 TO ℄ TH 212 RAMP VARIES FROM 75.08' TO 63.09'.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2169+14.25 TO STA 2171+31.28

0 2.5 5 10
SCALE IN FEET

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

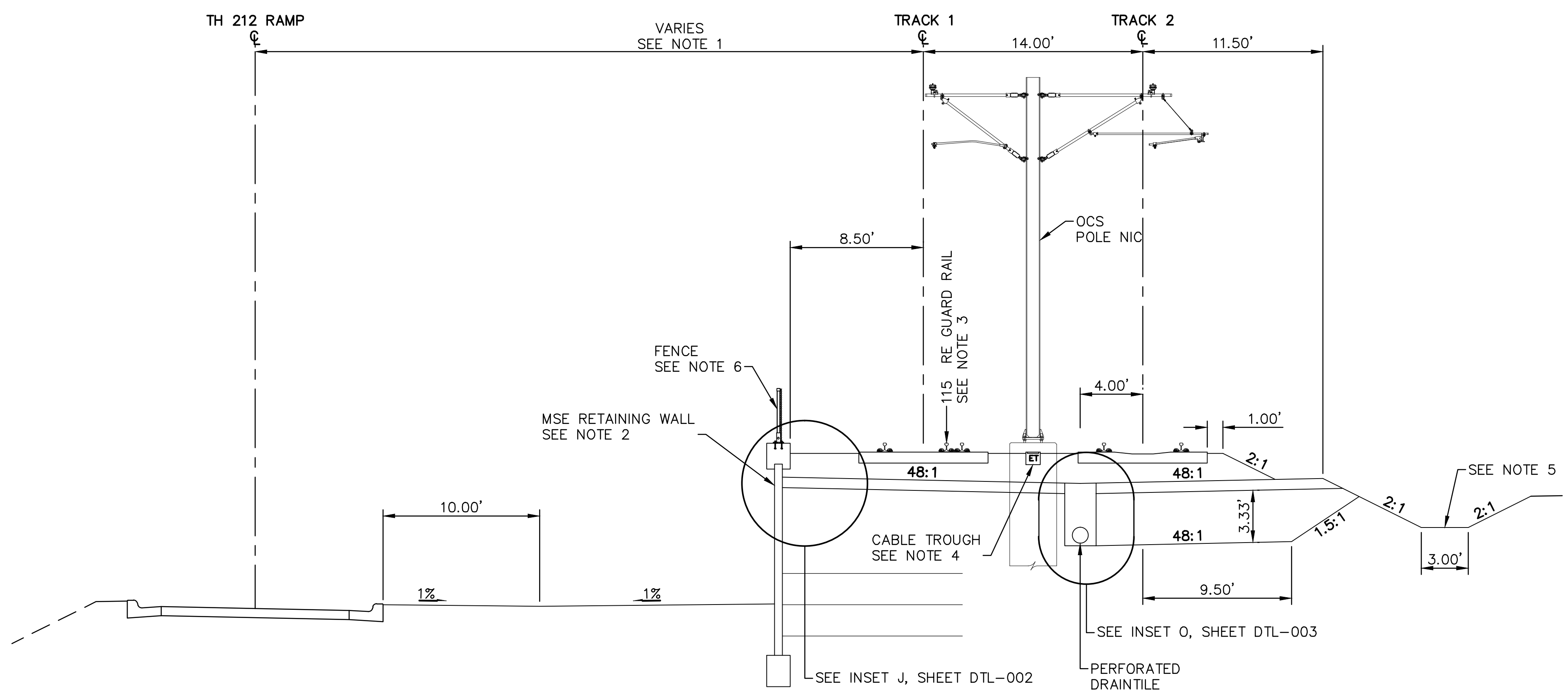
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 028

NOTES:
1. OFFSET FROM ℄ TRACK 1 TO ℄ TH 212 RAMP VARIES FROM 63.09' TO 49.34'.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
5. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2171+31.28 TO STA 2171+81.41

SCALE IN FEET 0 2.5 5 10

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

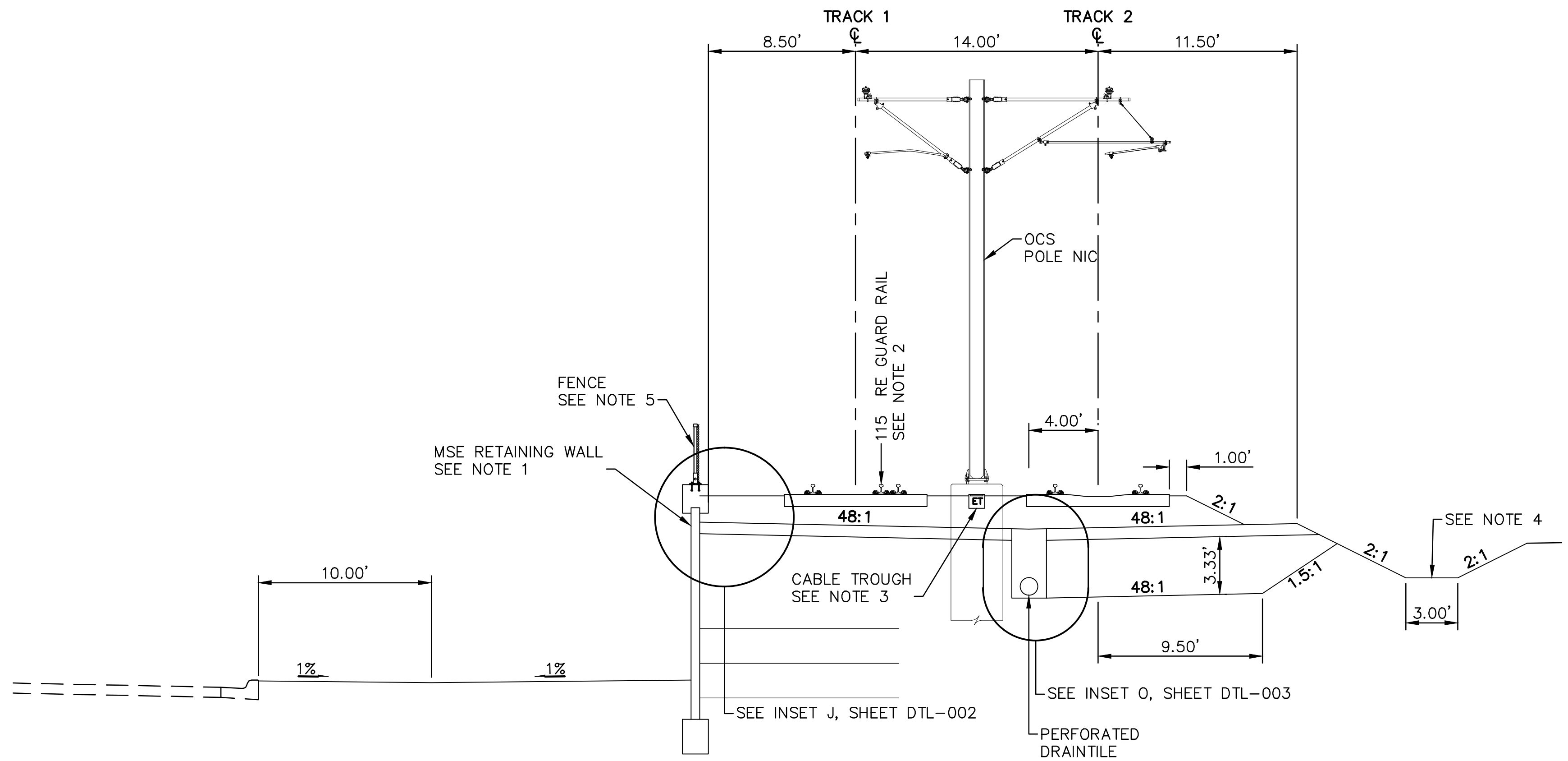
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 029

NOTES:
1. SEE RETAINING WALL PLANS FOR DETAILS.
2. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2171+81.41 TO STA 2173+69.94

0 2.5 5 10
SCALE IN FEET

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

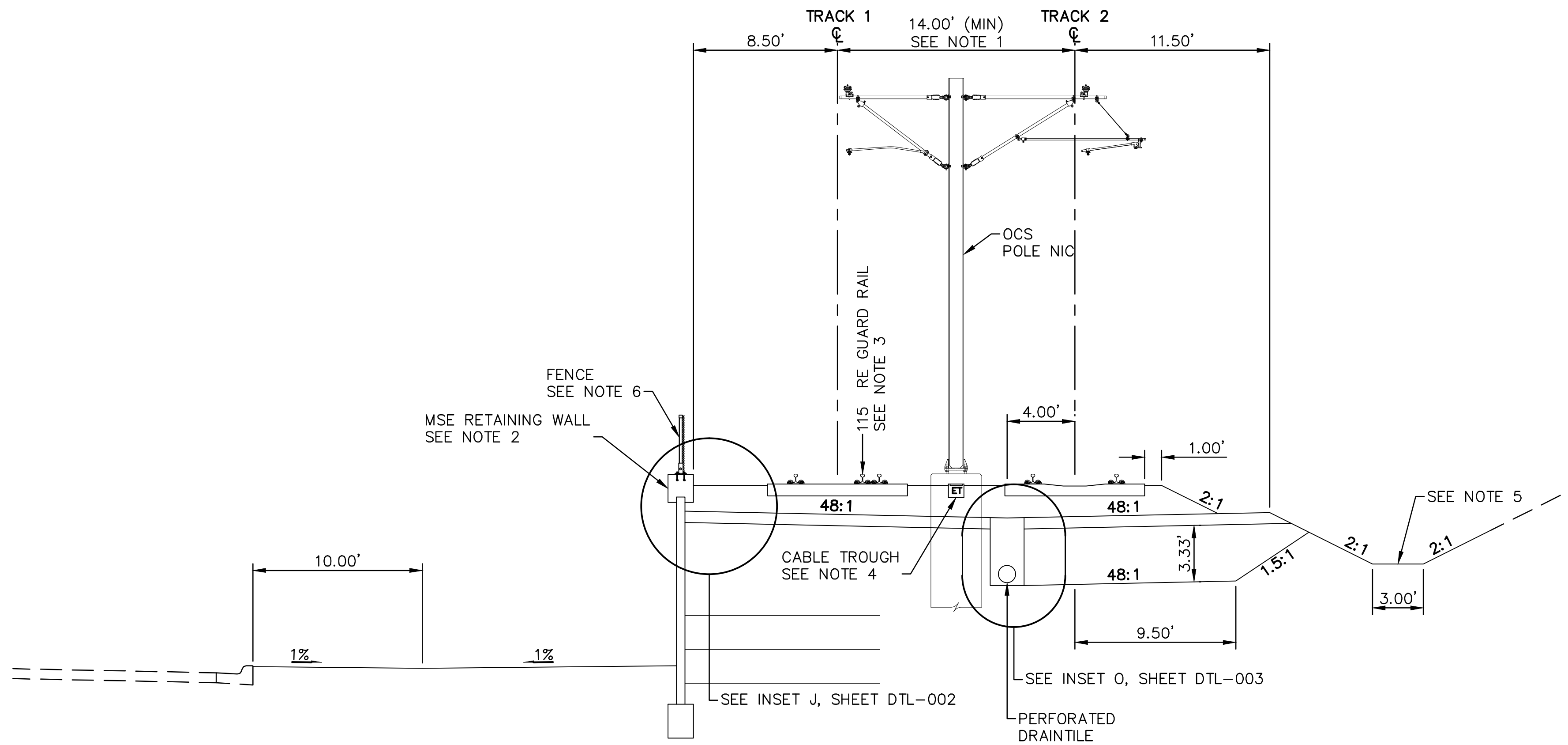
DISCIPLINE: TRACK

SHEET NAME: W1-TRK-TYP - 030

SHEET 59 OF 211

Jan. 18 2016 08:53 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-TYP.dwg By: MaurisBM

NOTES:
1. TRACK CENTERS VARY IN CURVE W2-200. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
5. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2206+00.00 TO STA 2207+24.23

Jan, 18 2016 08:55 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-TYP.dwg By: MaurisBM

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METROPOLITAN COUNCIL

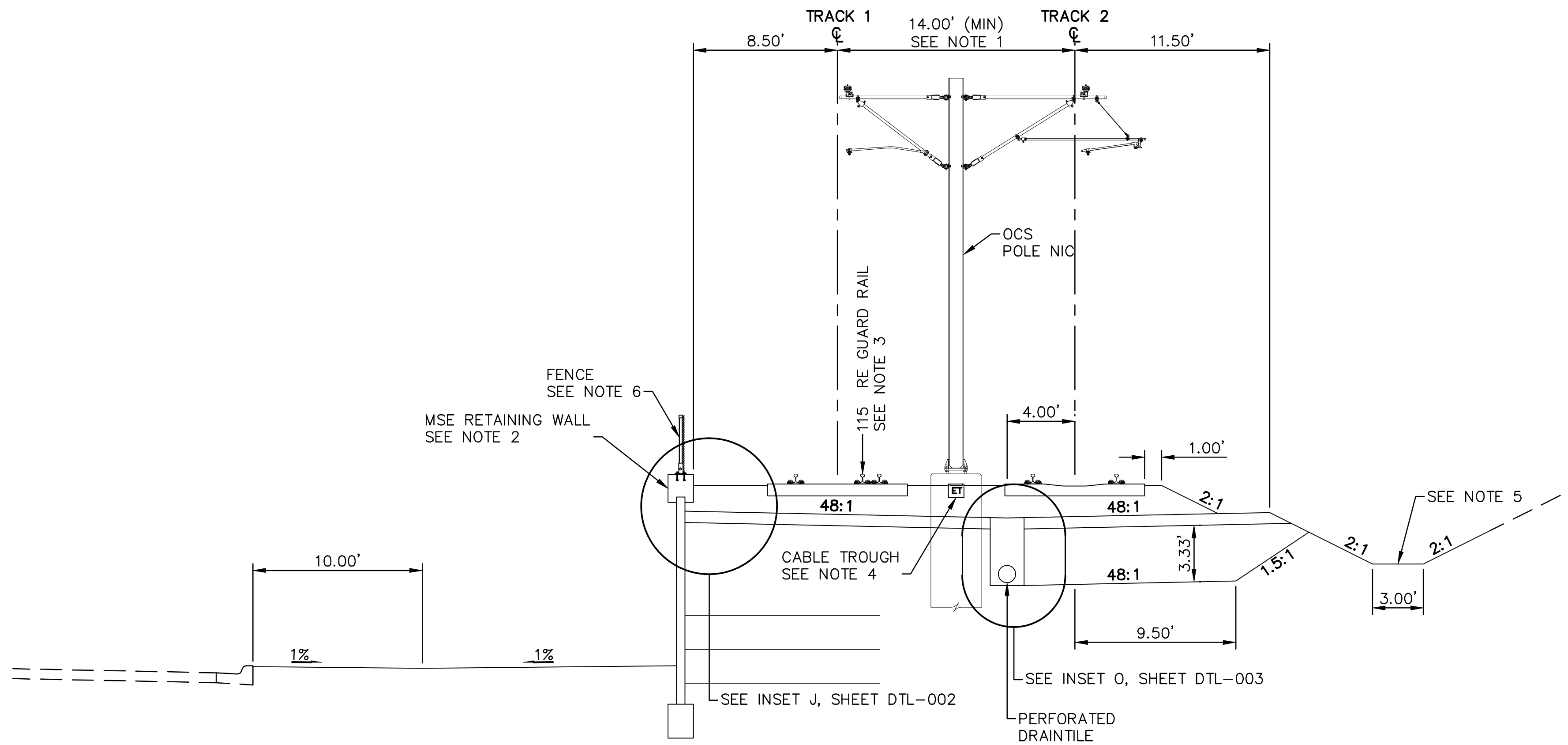
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

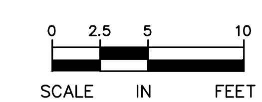
DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 001

NOTES:
1. TRACK CENTERS VARY IN CURVE W2–200. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
5. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2207+24.23 TO STA 2211+50.00



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

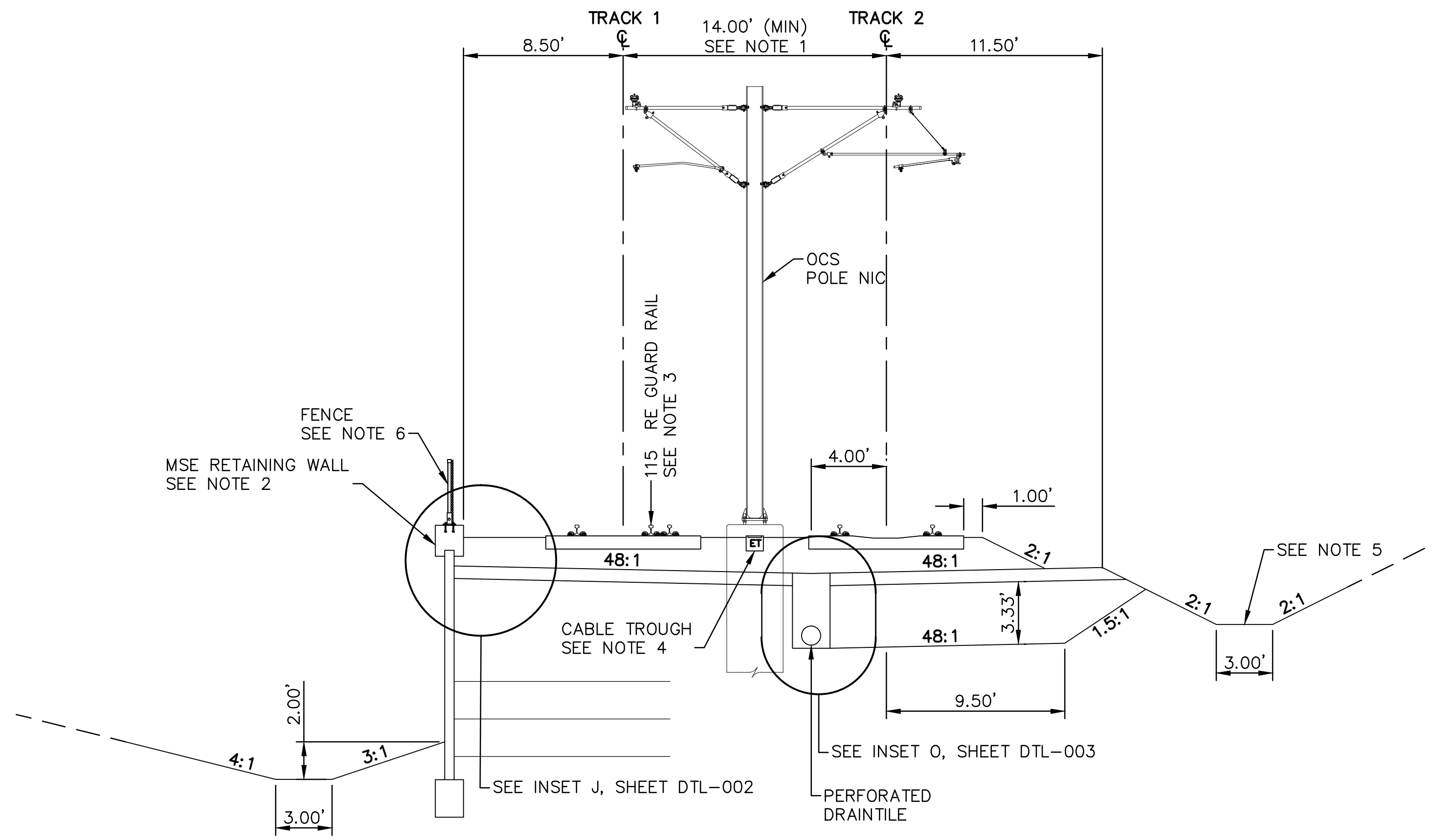
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 002

Jan. 18 2016 08:56 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-TYP.dwg By: MaurisBM

NOTES:
1. TRACK CENTERS VARY IN CURVE W2-201. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
5. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2211+50.00 TO STA 2213+50.00

0 2.5 5 10
SCALE IN FEET

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

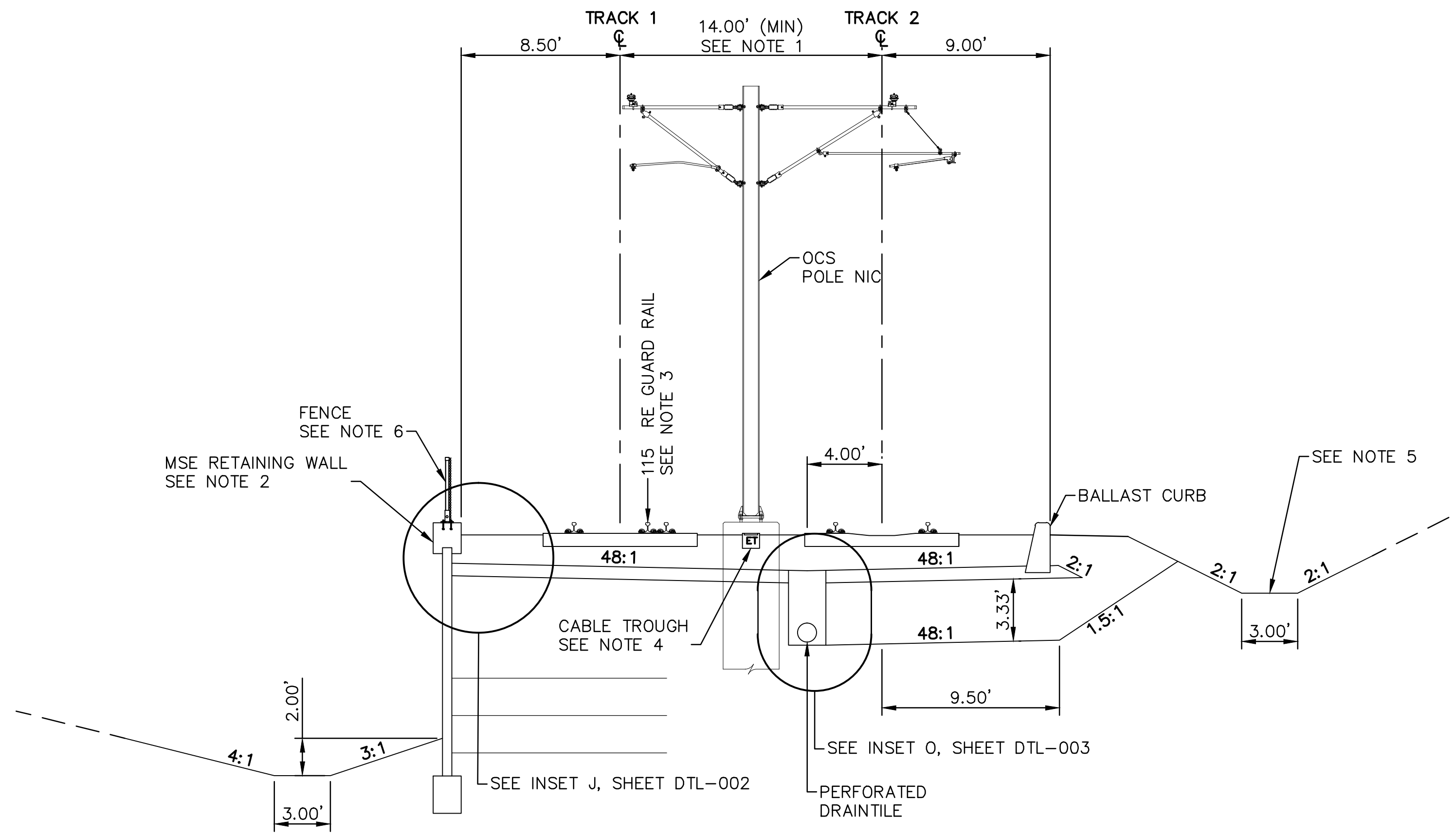
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 003

SHEET 62 OF 211

NOTES:
1. TRACK CENTERS VARY IN CURVE W2-201. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
5. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2213+50.00 TO STA 2213+92.25

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

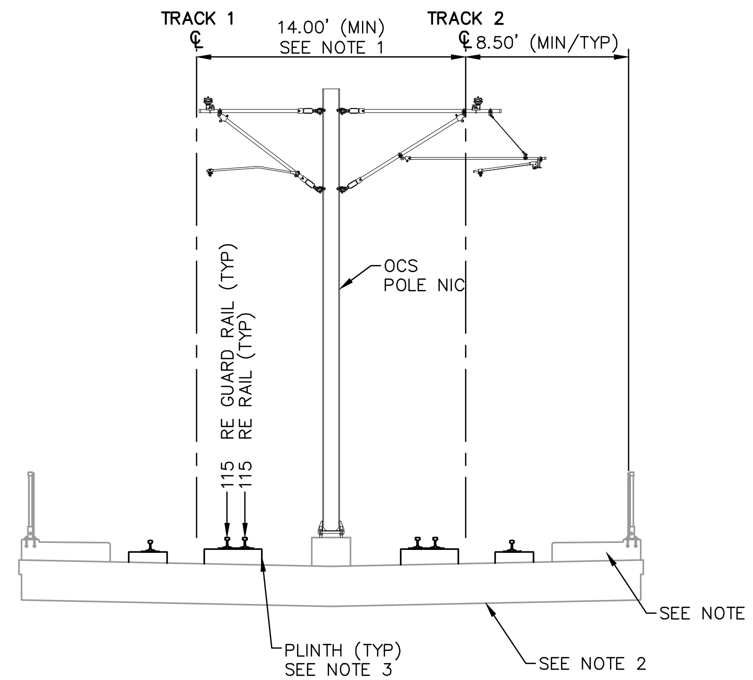
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 040

NOTES:
1. TRACK CENTERS VARY IN CURVE W2-201. SEE TRACK PLANS.
2. MnDOT BRIDGE CBR27C07. SEE STRUCTURAL PLANS.
3. SEE TRACK DETAILS FOR PLINTH LAYOUT.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2213+92.25 TO STA 2216+95.00

0 2.5 5 10
SCALE IN FEET

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SOUTHWEST Green Line LRT Extension

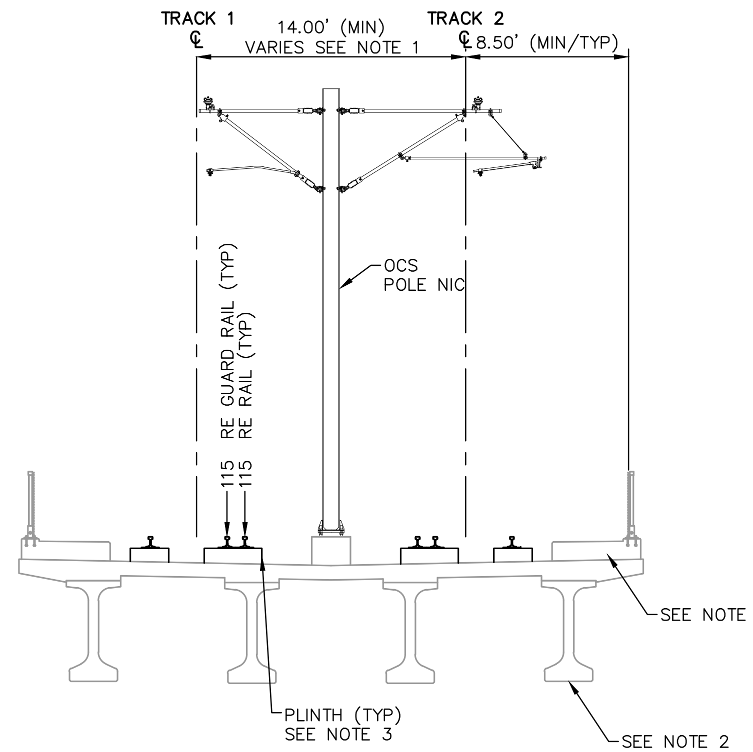
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 004

SHEET 64 OF 211

NOTES:
1. TRACK CENTERS VARY IN CURVES W2-201 AND W2-202. SEE TRACK PLANS.
2. MnDOT BRIDGE CBR27C07. SEE STRUCTURAL PLANS.
3. SEE TRACK DETAILS FOR PLINTH LAYOUT.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2216+95.00 TO STA 2227+97.75

0 2.5 5 10
SCALE IN FEET

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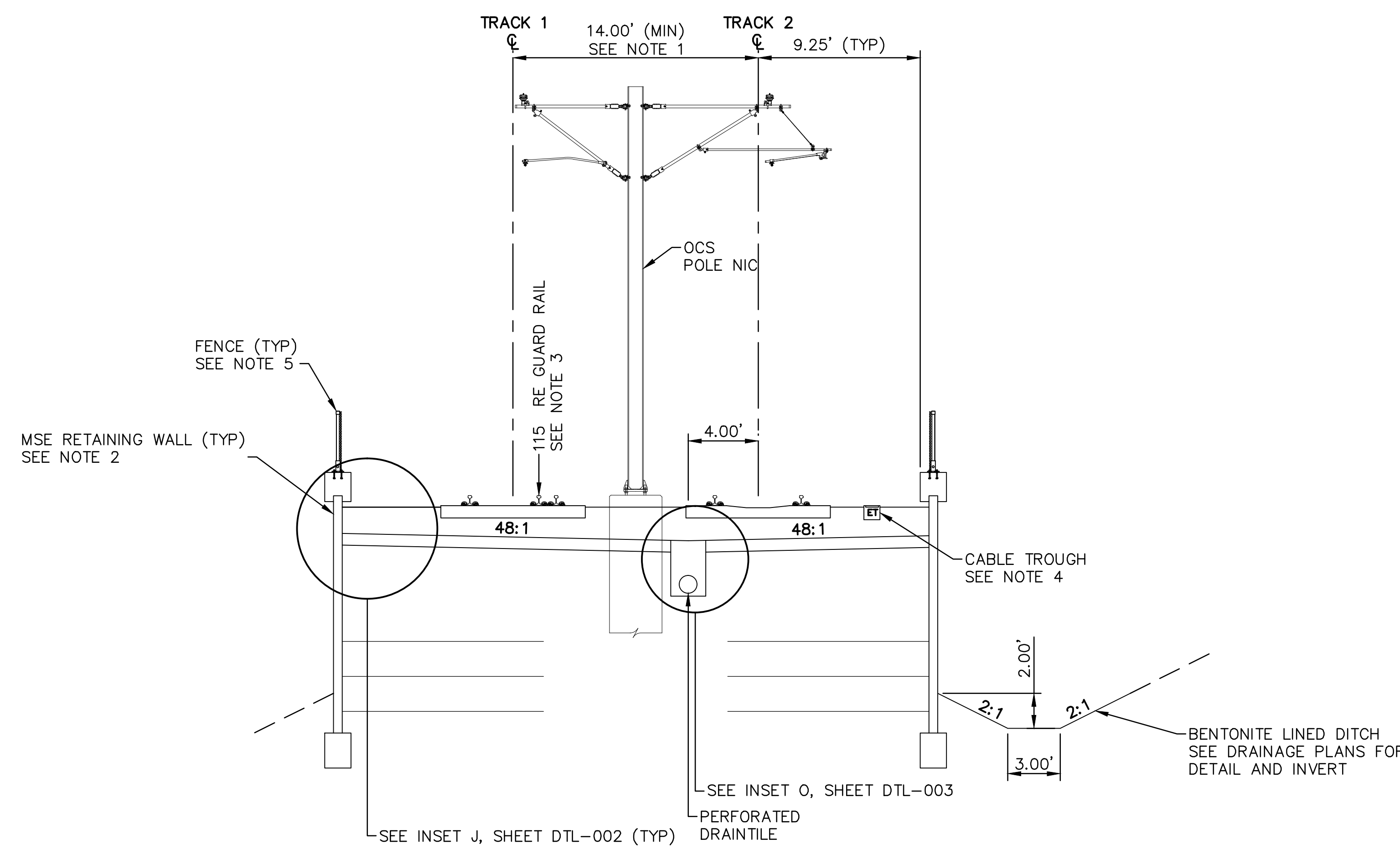
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

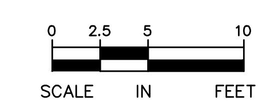
DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 005

NOTES:
1. TRACK CENTERS VARY IN CURVE W2-203. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2227+97.75 TO STA 2231+50.16



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

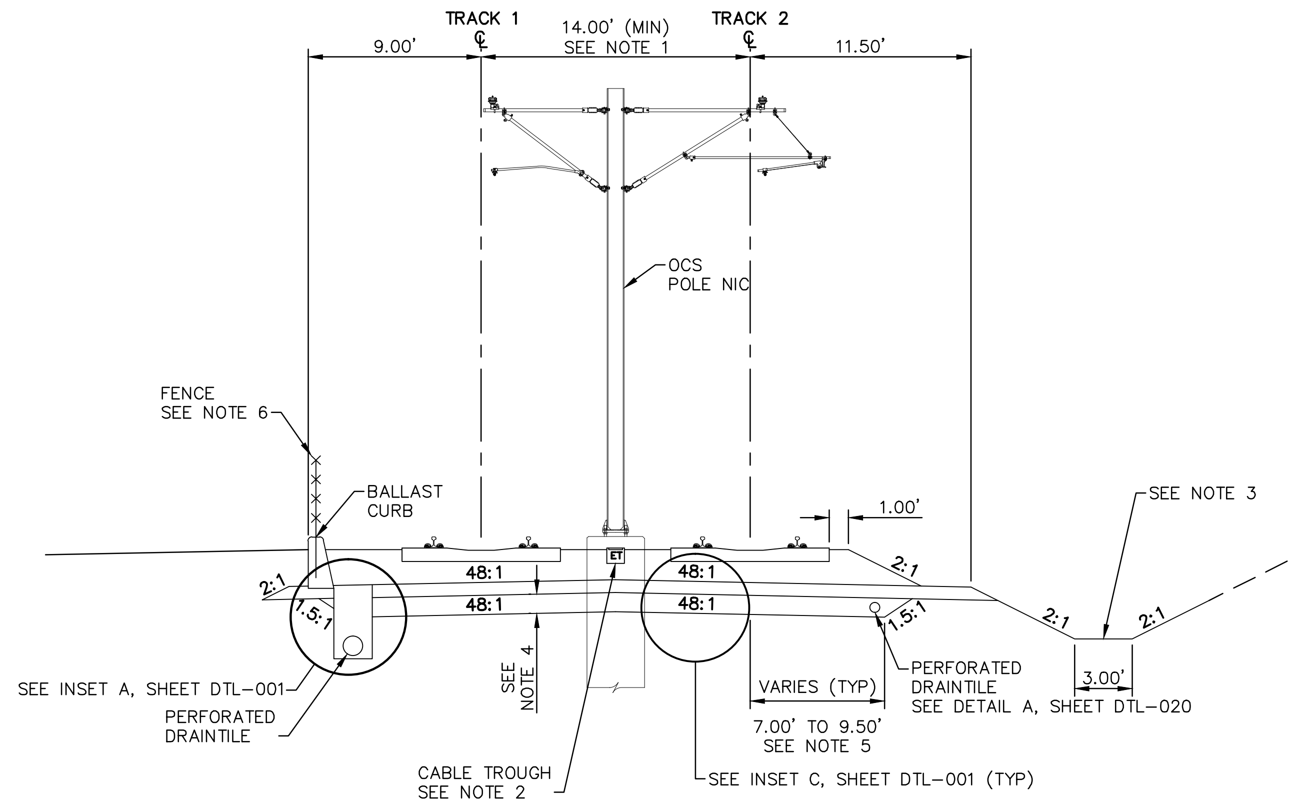
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 006

NOTES:
1. TRACK CENTERSVARY IN CURVE W2-203. SEE TRACK PLANS.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
4. SELECT GRANULAR DEPTH:
   STA 2231+50.16 TO STA 2232+50.88: 1.00'
   STA 2232+97.55: 3.33'
   TRANSITION LINEARLY BETWEEN STA 2232+50.88 AND STA 2232+97.55.
5. TRANSITION FROM 7.00' TO 9.50' BETWEEN STA 2232+50.88 AND STA 2232+97.55.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2231+50.16 TO STA 2232+97.55

0 2.5 5 10
SCALE IN FEET

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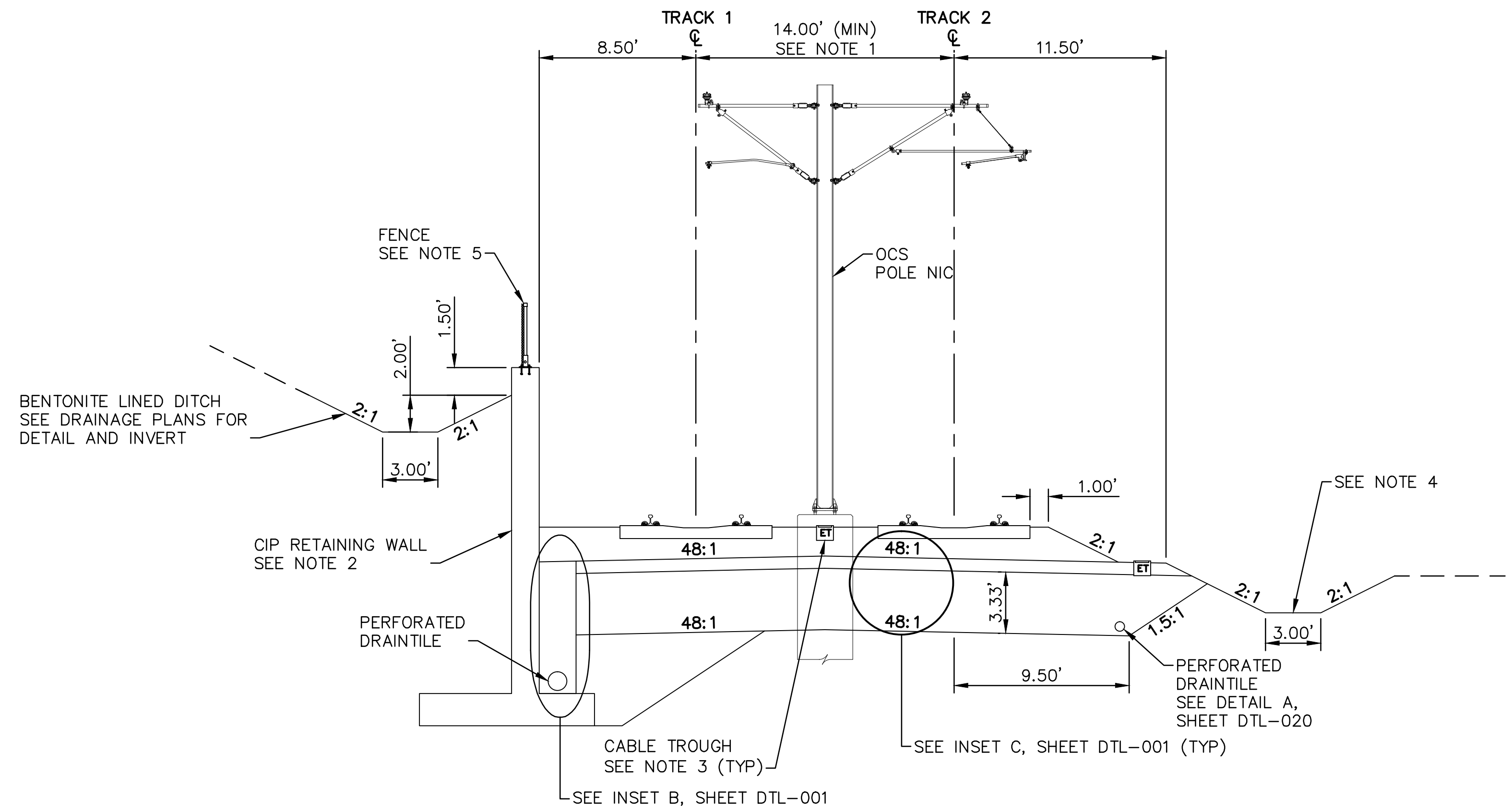
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 007

NOTES:
1. TRACK CENTERS VARY IN CURVE W2-203. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2232+97.55 TO STA 2235+36.16

0 2.5 5 10
SCALE IN FEET

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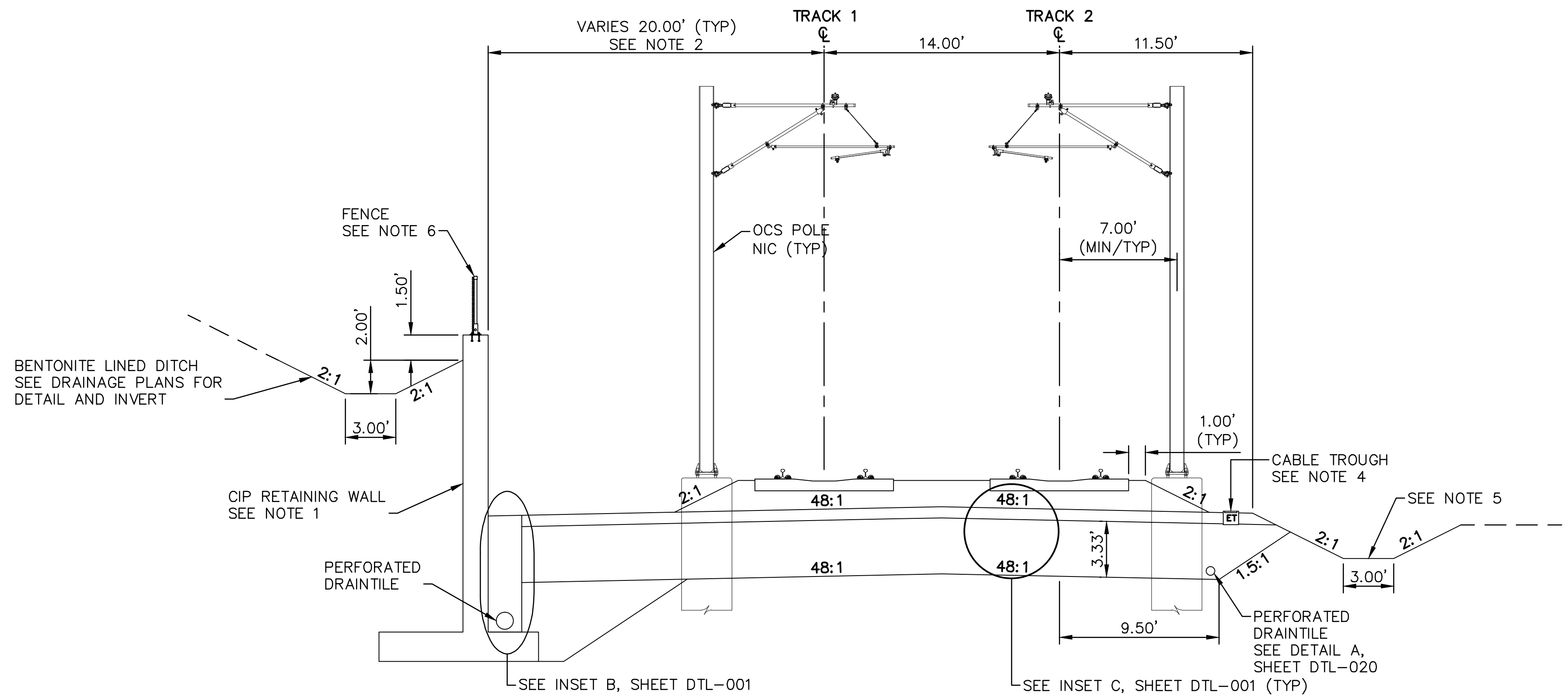
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 008

NOTES:
1. SEE RETAINING WALL PLANS FOR DETAILS.
2. DIMENSION WIDENS FROM 8.50' TO 13.08' BETWEEN STA. 2235+36.16 AND 2235+66.31.
3. SPECIAL TRACKWORK NOT ILLUSTRATED.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
5. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2235+36.16 TO STA 2237+97.41

0 2.5 5 10
SCALE IN FEET

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METROPOLITAN COUNCIL

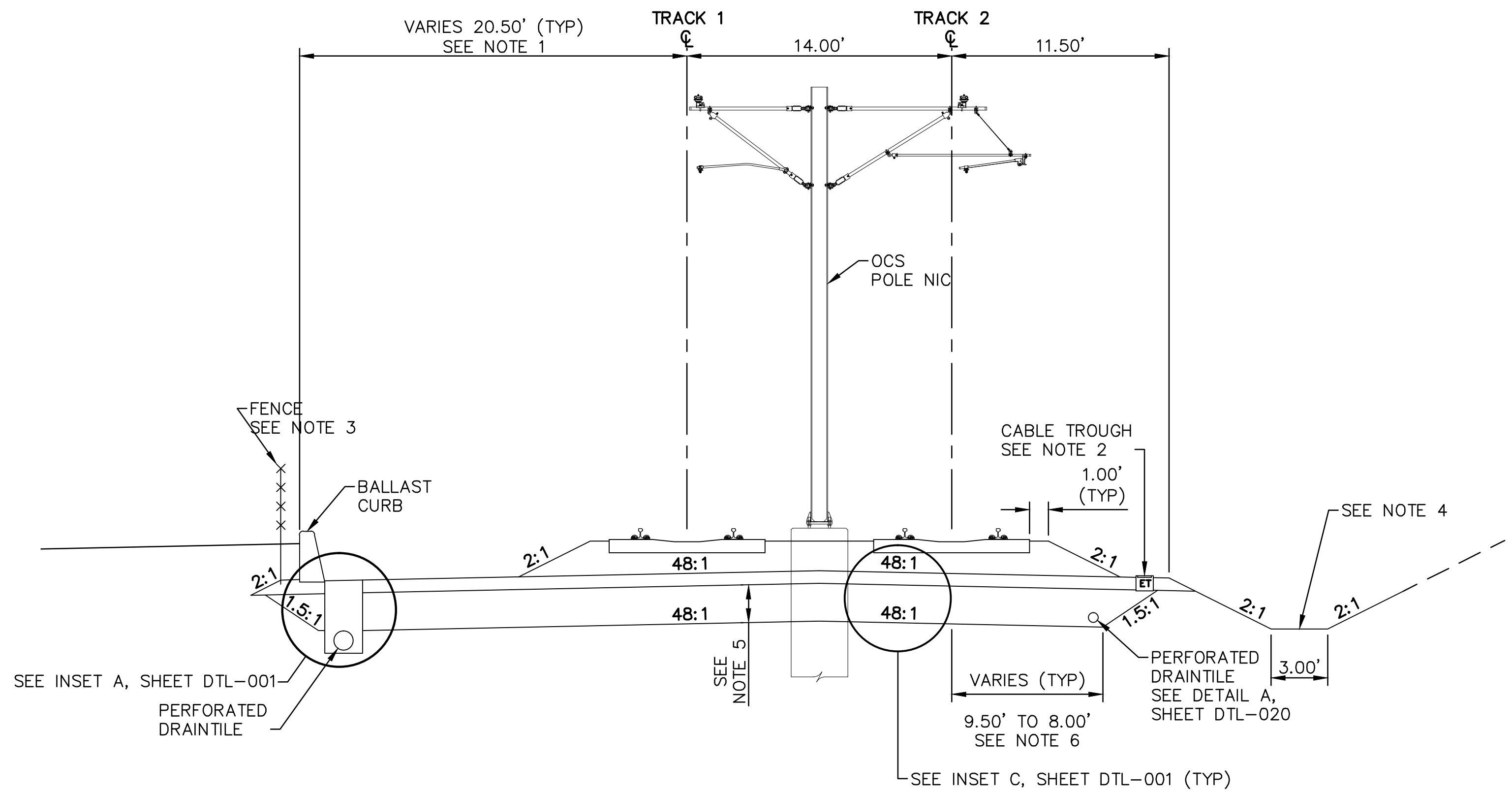
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 009

NOTES:
1. DIMENSION NARROWS FROM 13.50' TO 9.00' BETWEEN STA. 2238+20.34 AND 2238+45.34.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
5. SELECT GRANULAR DEPTH:
   STA 2237+97.41: 3.33'
   STA 2238+24.08 TO STA 2238+45.34: 2.00'
   TRANSITION LINEARLY BETWEEN STA 2237+97.41 AND STA 2238+24.08.
6. TRANSITION FROM 9.50' TO 8.00' BETWEEN STA 2238+24.08 AND STA 2238+45.34.



TYPICAL SECTION
STA 2237+97.41 TO STA 2238+45.34

0 2.5 5 10
SCALE IN FEET

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SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 010

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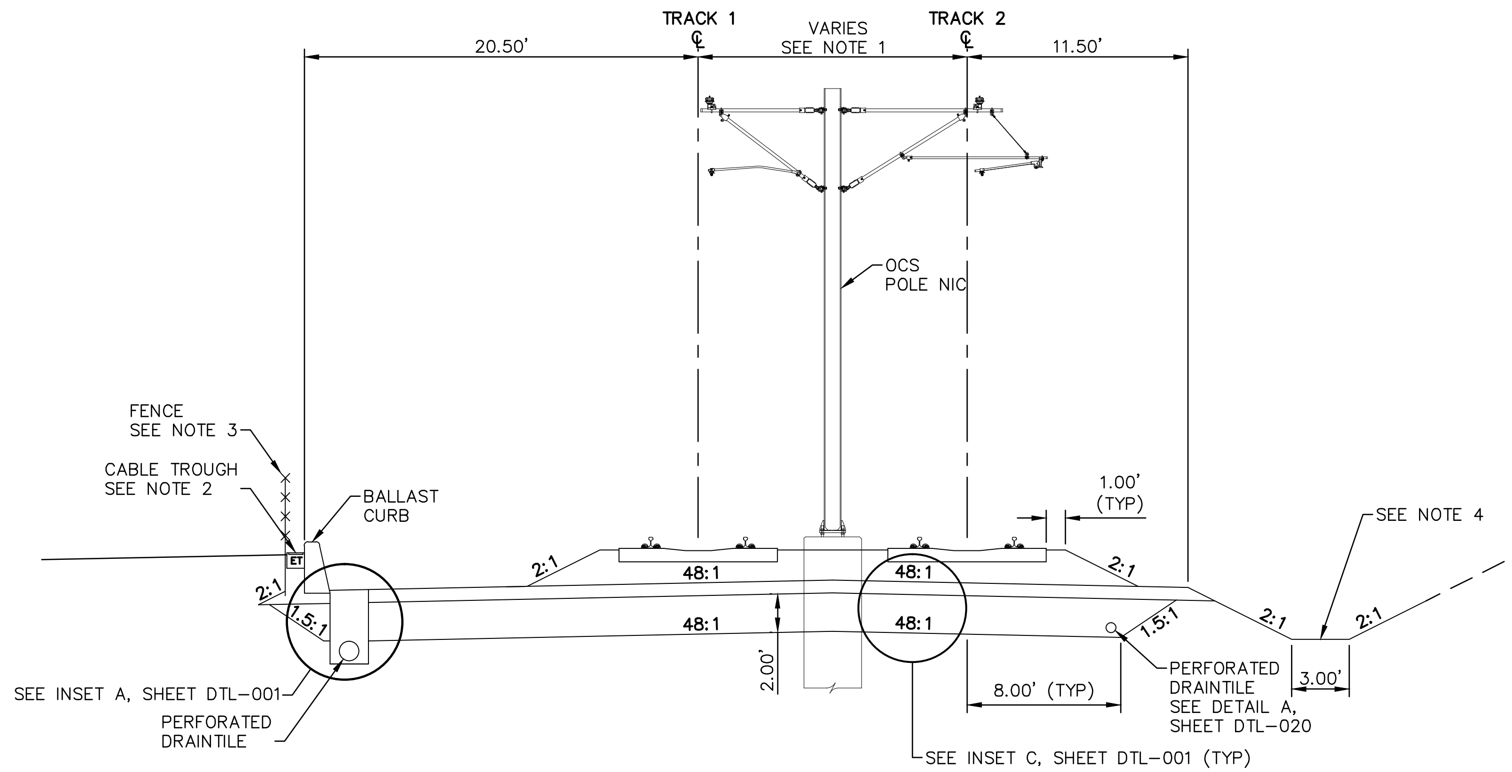
NOTES:
1. TRACK CENTERS WIDEN FROM 14.00' TO 20.00' BETWEEN STA. 2238+63 AND 2240+19.00.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2238+45.34 TO STA 2240+19.00

0 2.5 5 10
SCALE IN FEET

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

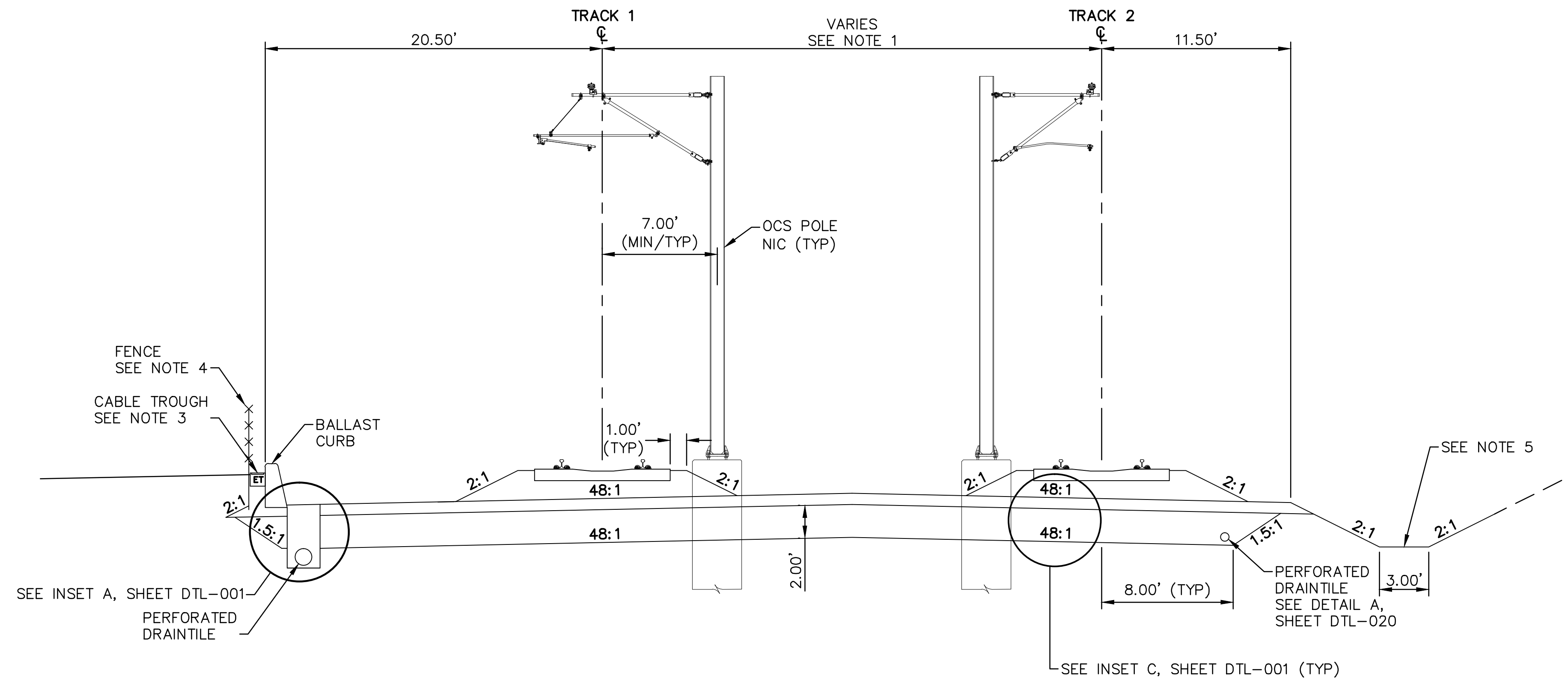
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 011

SHEET 71 OF 211

NOTES:
1. TRACK CENTERS WIDEN FROM 20.00' TO 30.38' BETWEEN STA. 2240+19.00 AND 2242+25.85.
2. SECTION DOES NOT ILLUSTRATE GRADE CROSSING AT 70TH ST W. SEE TRACK PLANS AND DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
5. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2240+19.00 TO STA 2242+26.00

0 2.5 5 10
SCALE IN FEET

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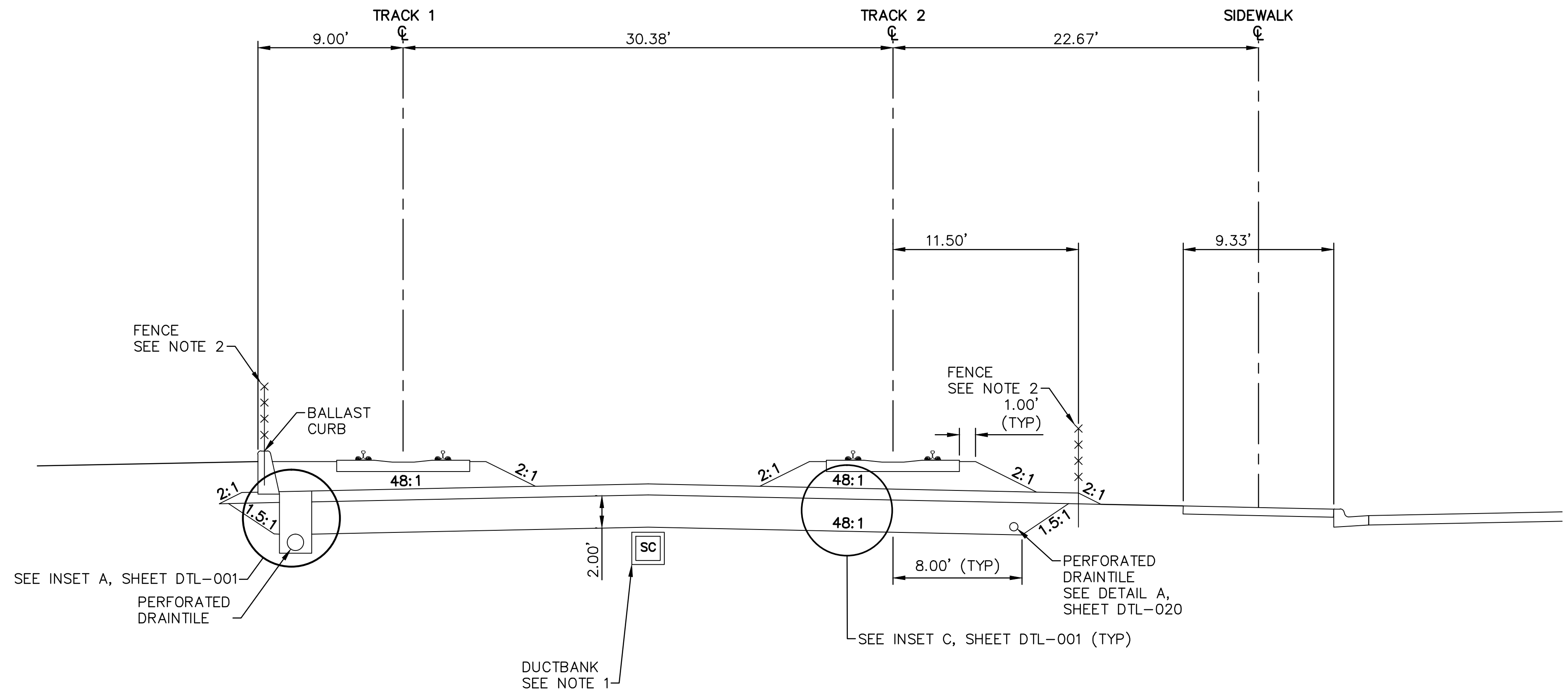
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 012

NOTES:
1. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
2. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2242+26.00 TO STA 2242+45.82

0 2.5 5 10
SCALE IN FEET

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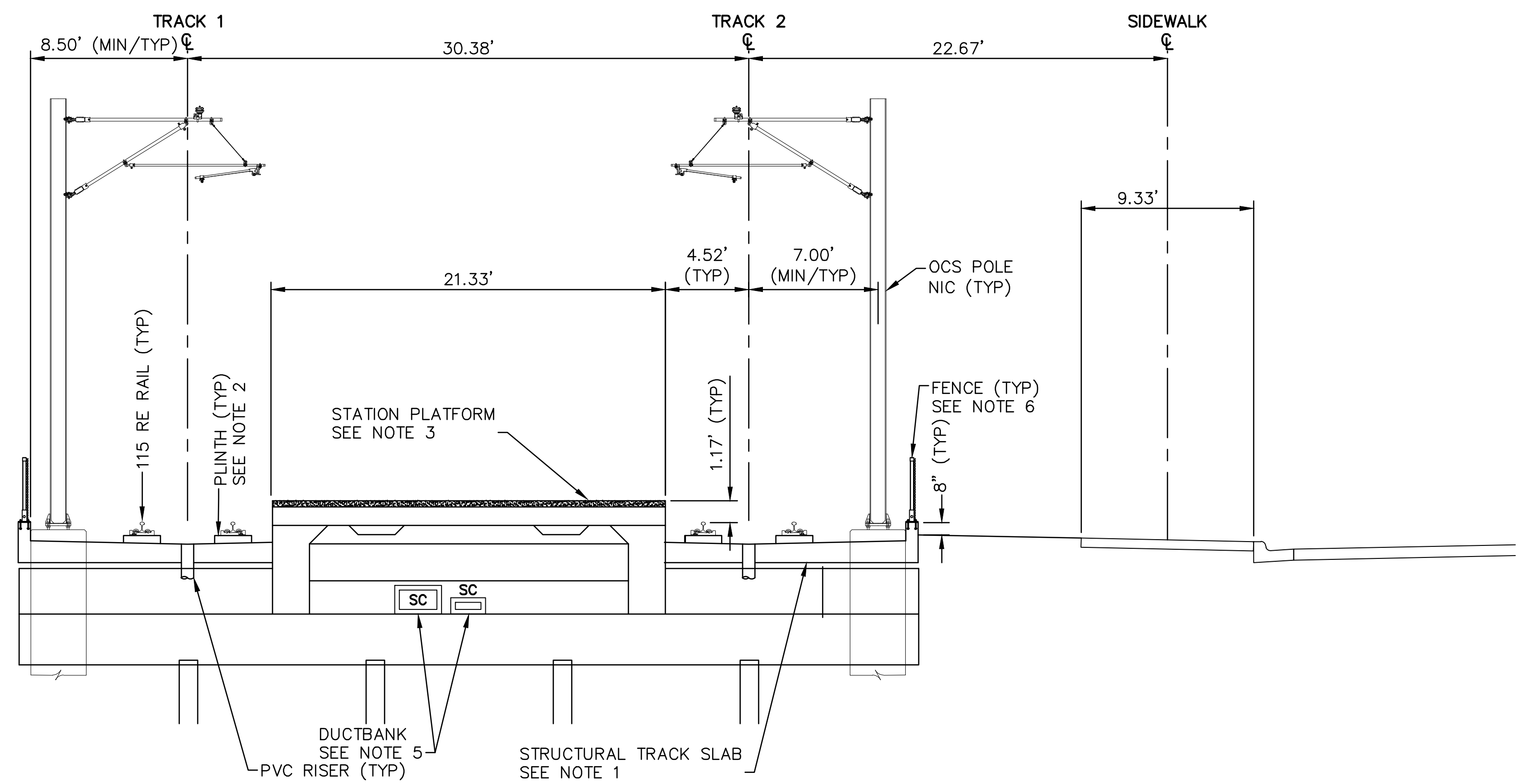
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 013

NOTES:
1. SEE STATION PLANS FOR DETAILS.
2. SEE TRACK DETAILS FOR PLINTH LAYOUT.
3. SEE STATION PLANS FOR STATION PLATFORM DETAILS.
4. STATION PLATFORM ENDS AT STA. 2245+45.85.
5. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION – GOLDEN TRIANGLE STATION
STA 2242+45.82 TO STA 2245+81.08
SEE NOTE 4

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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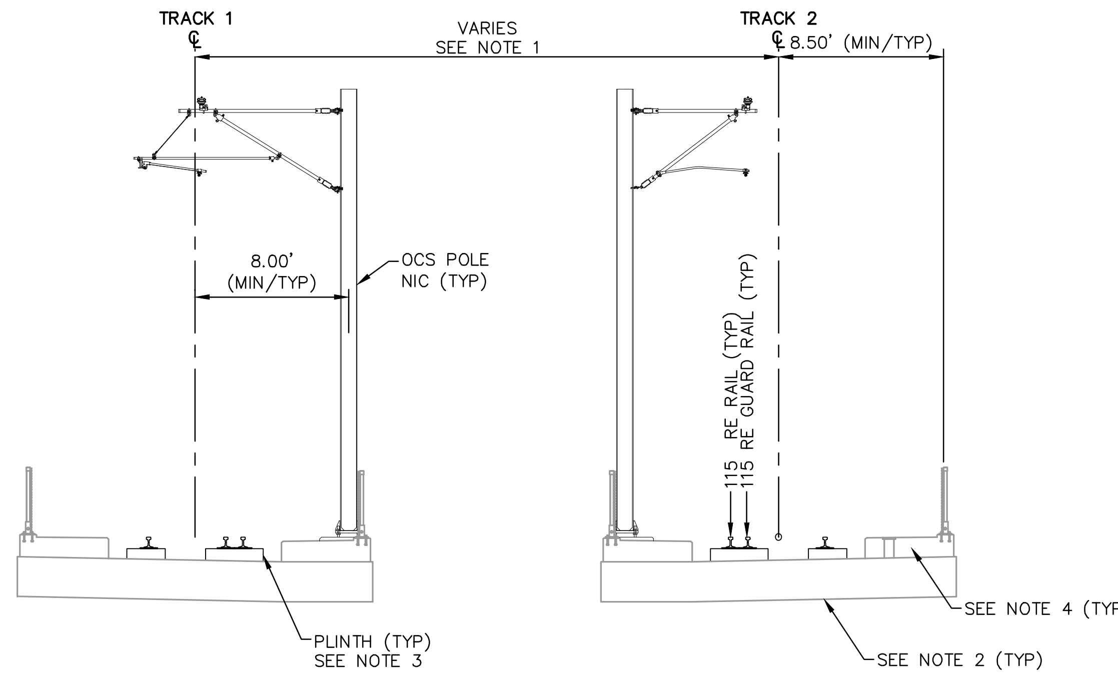
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 014

NOTES:
1. TRACK CENTERS NARROW FROM 30.38' TO 24.58' BETWEEN STA. 2245+95.94 AND 2248+30.94.
2. MnDOT BRIDGE BR27R34. SEE STRUCTURAL PLANS.
3. SEE TRACK DETAILS FOR PLINTH LAYOUT.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2245+81.08 TO STA 2248+30.94

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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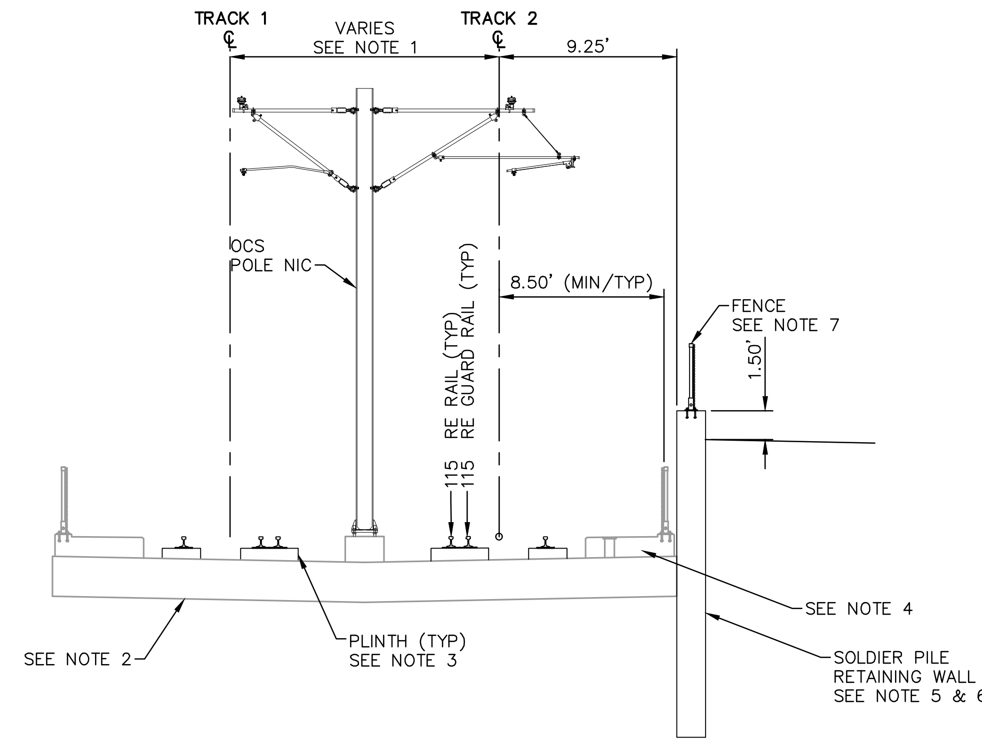
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 015

NOTES:
1. TRACK CENTERS NARROW FROM 24.58' TO 14.00' BETWEEN STA. 2248+70.94 AND 2252+50.85.
2. MnDOT BRIDGE BR27R34. SEE STRUCTURAL PLANS.
3. SEE TRACK DETAILS FOR PLINTH LAYOUT.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
5. SEE RETAINING WALL PLANS FOR DETAILS.
6. RETAINING WALL STARTS AT STA. 2248+75.00 AND ENDS AT STA. 2250+50.00.
7. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2248+30.94 TO STA 2253+50.95

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

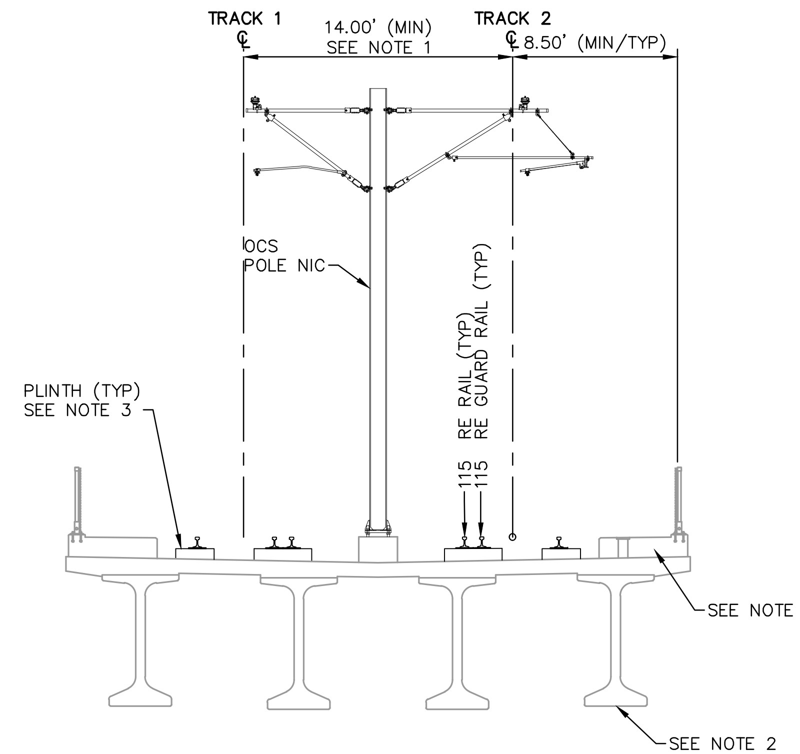
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 016

SHEET 76 OF 211

NOTES:
1. TRACK CENTERS VARY IN CURVE W2-207. SEE TRACK PLANS.
2. MnDOT BRIDGE BR27R34. SEE STRUCTURAL PLANS.
3. SEE TRACK DETAILS FOR PLINTH LAYOUT.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2253+50.94 TO STA 2264+32.94

0 2.5 5 10
SCALE IN FEET

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

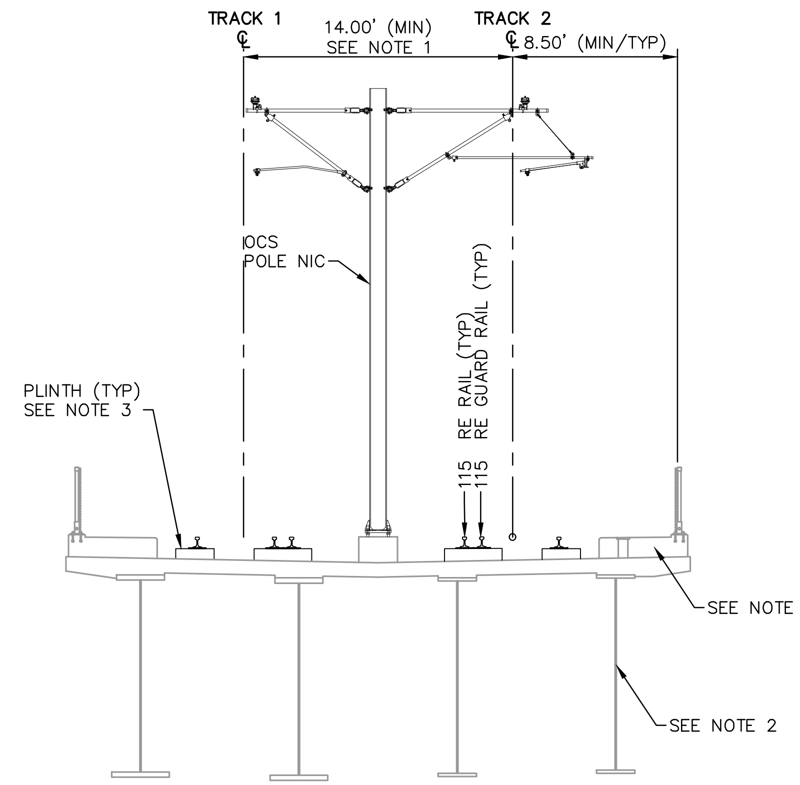
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 017

SHEET 77 OF 211

NOTES:
1. TRACK CENTERS VARY IN CURVE W2-207. SEE TRACK PLANS.
2. MnDOT BRIDGE BR27R34. SEE STRUCTURAL PLANS.
3. SEE TRACK DETAILS FOR PLINTH LAYOUT.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2264+32.95 TO STA 2270+67.93

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

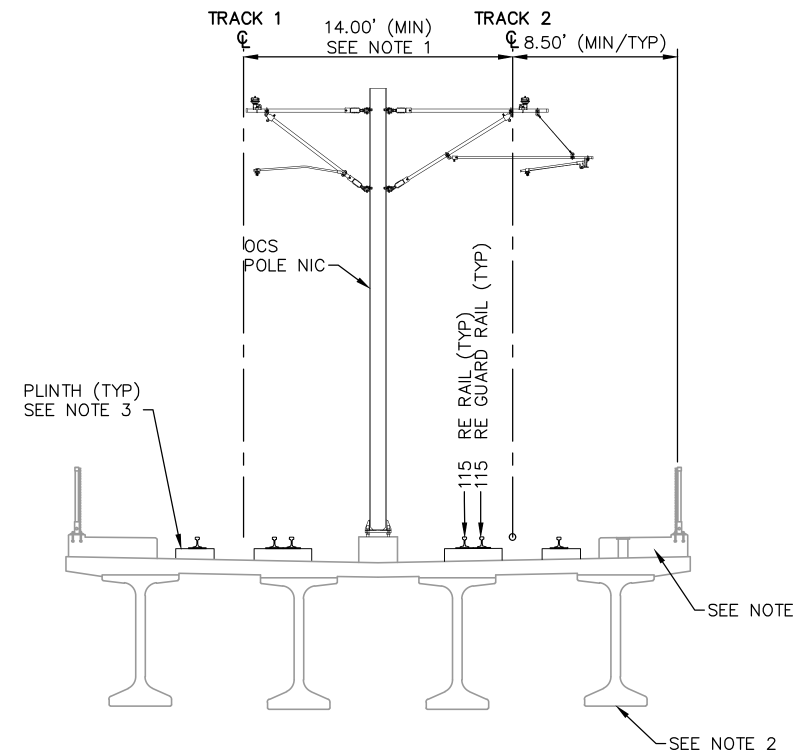
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 018

Jan. 18 2016 09:00 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-TYP.dwg By: MaurisBM

NOTES:
1. TRACK CENTERS VARY IN CURVE W2-207. SEE TRACK PLANS.
2. MnDOT BRIDGE BR27R34. SEE STRUCTURAL PLANS.
3. SEE TRACK DETAILS FOR PLINTH LAYOUT.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2270+67.93 TO STA 2275+00.27

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

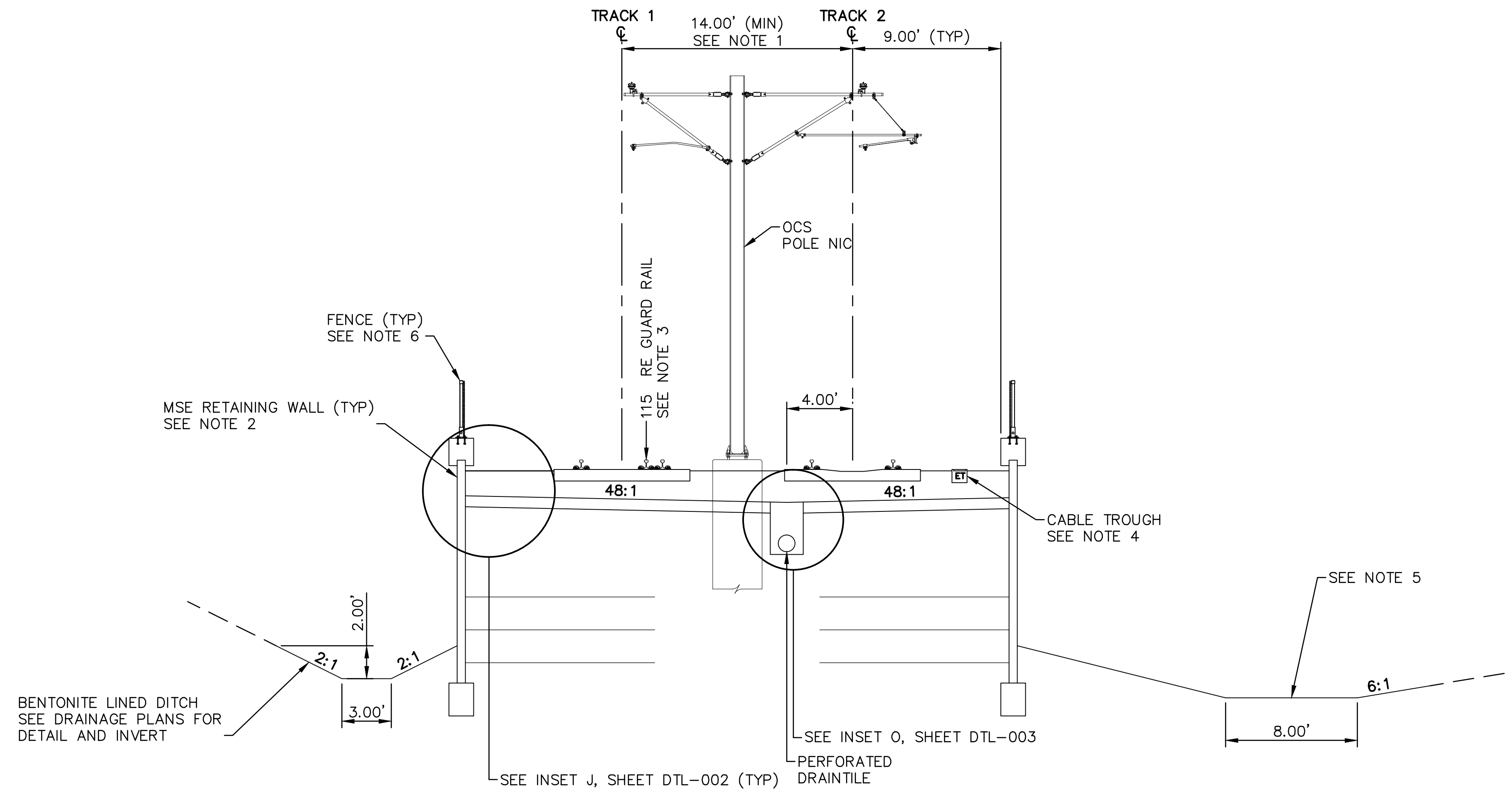
DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 019

SHEET 79 OF 211

Jan. 18 2016 09:01 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-TYP.dwg By: MaurisBM

NOTES:
1. TRACK CENTERS VARY IN CURVE W2-203. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
5. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2275+00.27 TO STA 2275+24.04

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

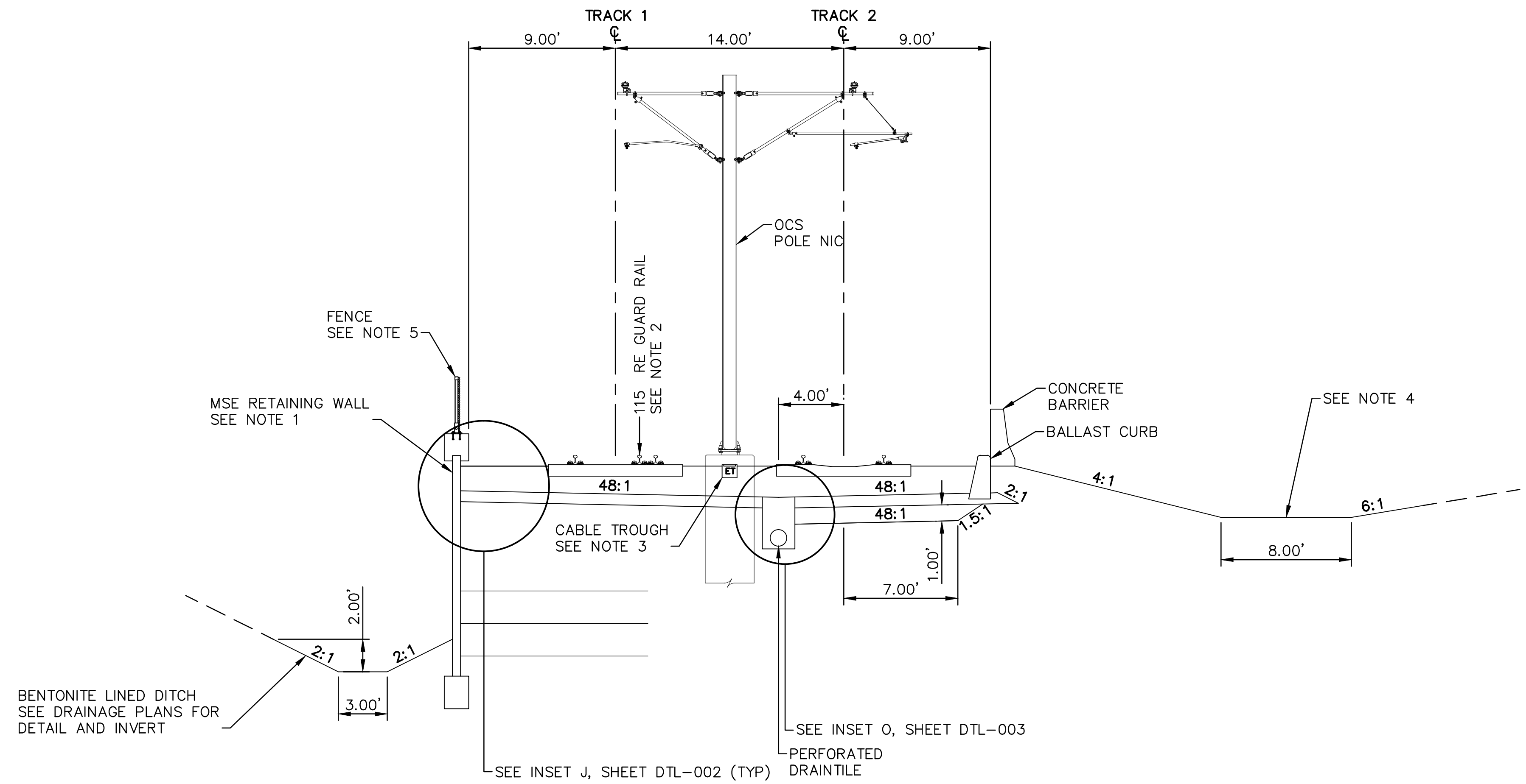
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 020

NOTES:
1. RETAINING WALL ENDS AT STA 2279+99.94. SEE RETAINING WALL PLANS FOR DETAILS.
2. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2275+24.04 TO STA 2280+45.97

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

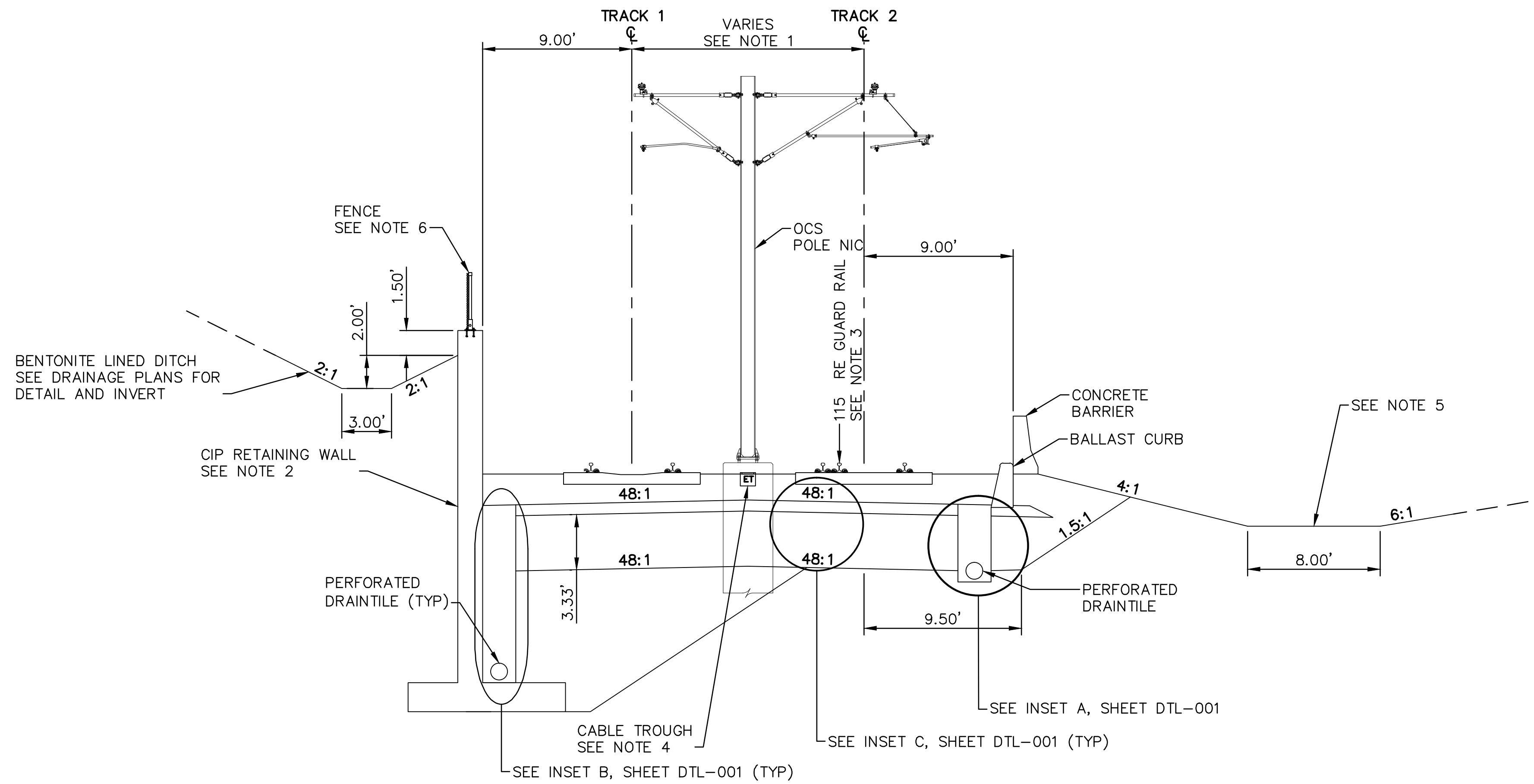
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 044

Jan. 18 2016 09:01 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-TYP.dwg By: MaurisBM

NOTES:
1. TRACK CENTERS WIDEN FROM 14.00' TO 14.05' BETWEEN STA. 2281+71.67' AND 2282+50.60.
2. RETAINING WALL ENDS AT 2282+60.07. SEE RETAINING WALL PLANS FOR DETAILS.
3. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
5. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2280+45.97 TO STA 2282+74.98

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

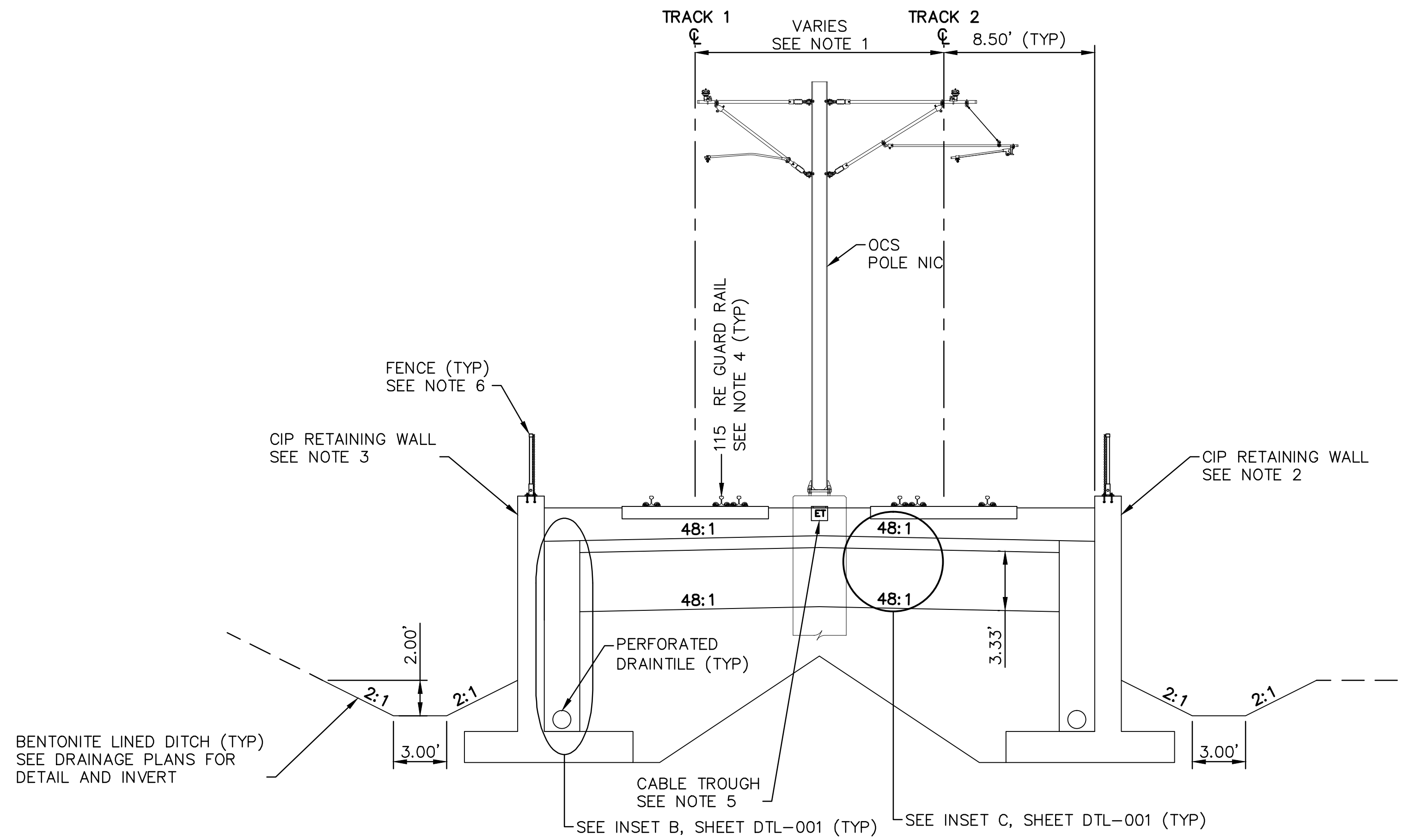
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 021

SHEET 82 OF 211

NOTES:
1. TRACK CENTERS WIDEN FROM 14.05' TO 16.92' BETWEEN STA. 2282+50.60 TO 2286+41.74.
2. RETAINING WALL BEGINS AT STA 2282+50.00. SEE RETAINING WALL PLANS FOR DETAILS.
3. RETAINING WALL ENDS AT STA 2286+41.74. SEE RETAINING WALL PLANS FOR DETAILS.
4. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
5. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2282+74.98 TO STA 2286+60.72

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

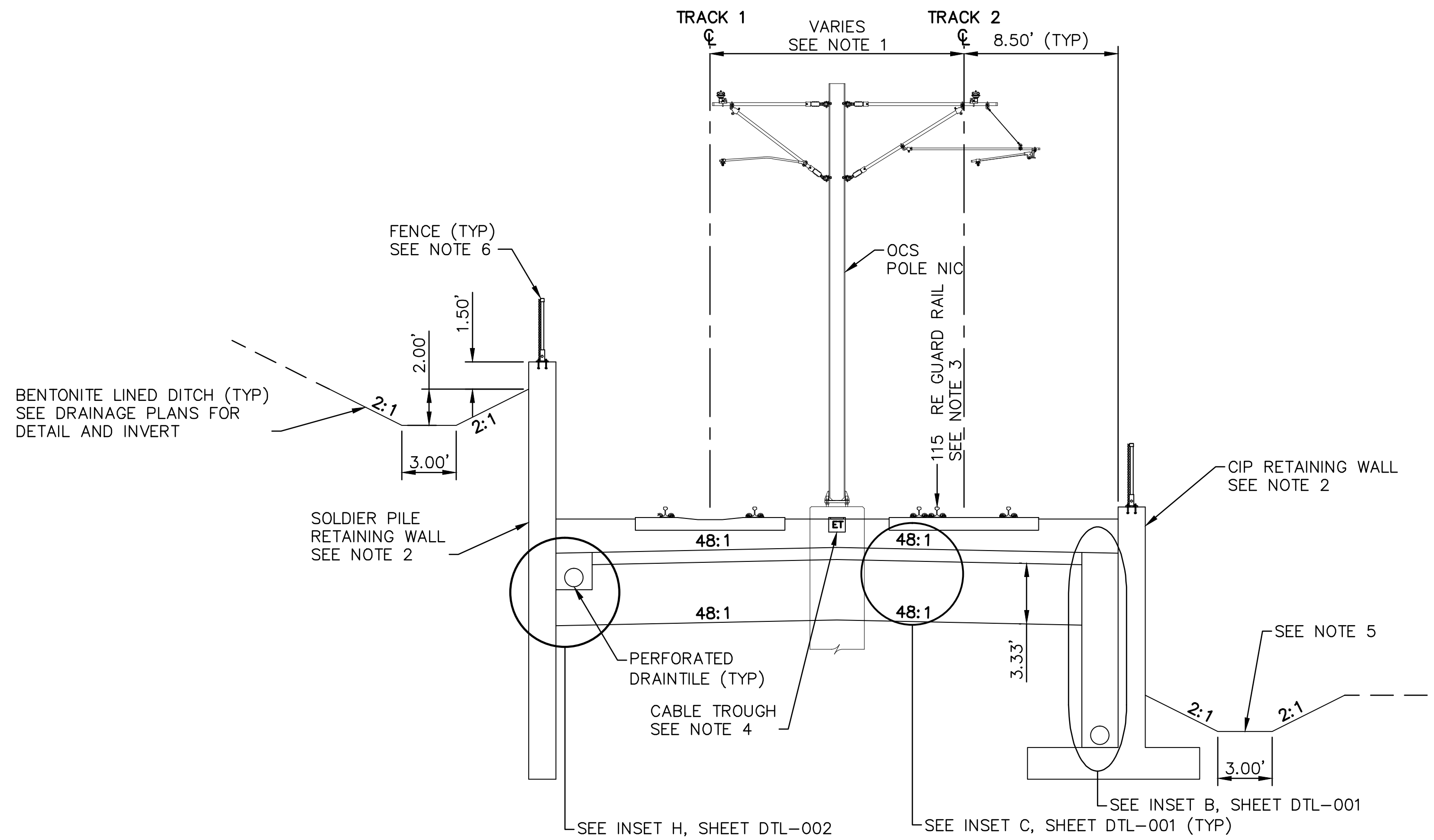
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

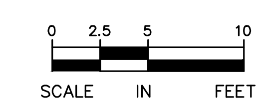
DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 022

NOTES:
1. TRACK CENTERS WIDEN FROM 16.92' TO 24.06' BETWEEN STA. 2281+71.67' AND 2287+89.56.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
5. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2286+60.72 TO STA 2287+89.56



Jan, 18 2016 09:02 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-TYP.dwg By: MaurisBM

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

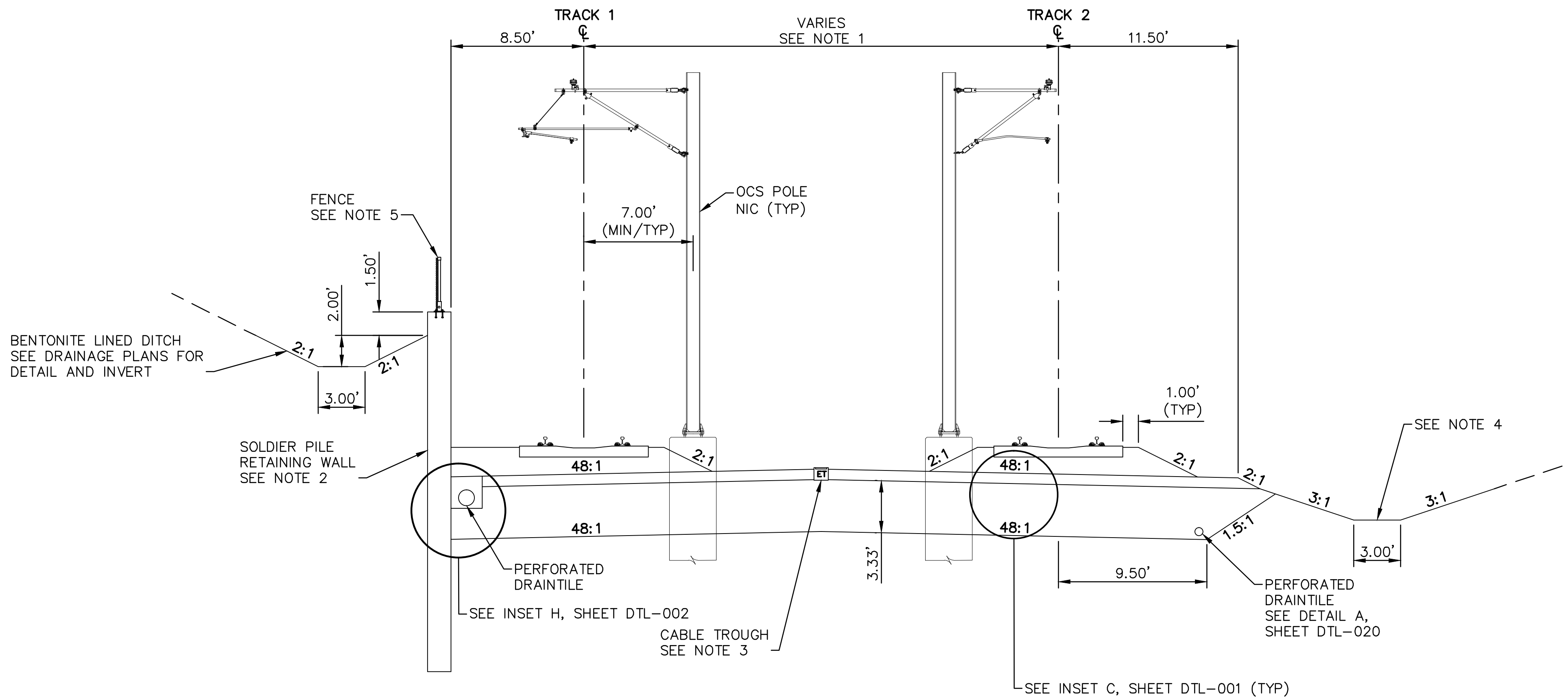
90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK
SHEET NAME: W2-TRK-TYP - 023

NOTES:
1. TRACK CENTERS WIDEN FROM 24.06' TO 29.64' BETWEEN STA 2287+89.56 TO STA 2289+84.63.
2. RETAINING WALL ENDS AT STA 2289+84.63. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2287+89.56 TO STA 2289+93.23

0 2.5 5 10
SCALE IN FEET

Jan, 18 2016 09:02 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-TYP.dwg By: MaurisBM

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

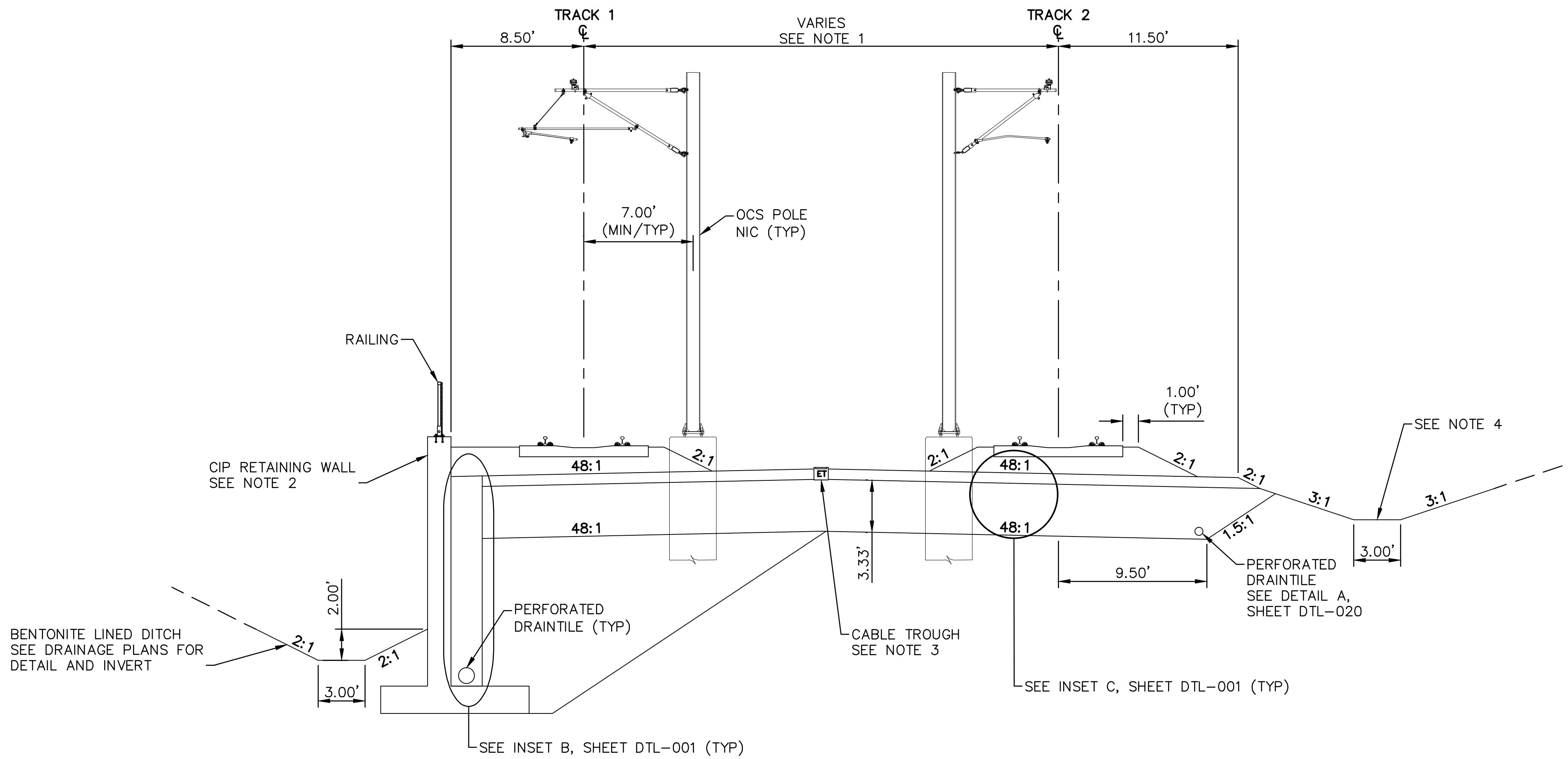
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 024

SHEET 85 OF 211

NOTES:
1. TRACK CENTERS WIDEN FROM 29.64' TO 30.42' BETWEEN STA 2287+89.56 TO STA 2290+55.97.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2289+93.23 TO STA 2290+55.97

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

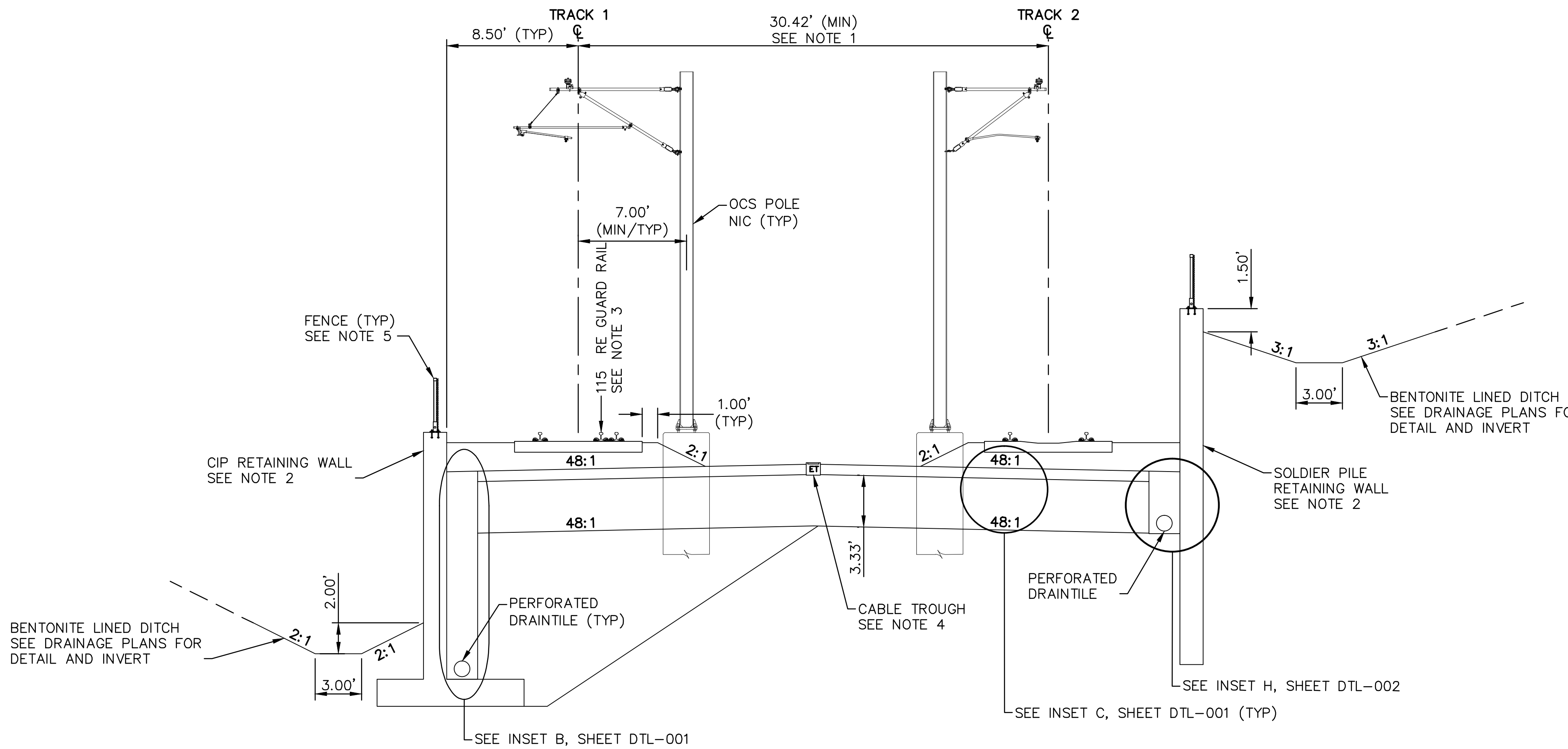
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 025

Jan, 18 2016 09:03 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-TYP.dwg By: MaurisBM

NOTES:
1. TRACK CENTERS VARY IN CURVE W2-208B. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2290+55.97 TO STA 2291+55.97

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

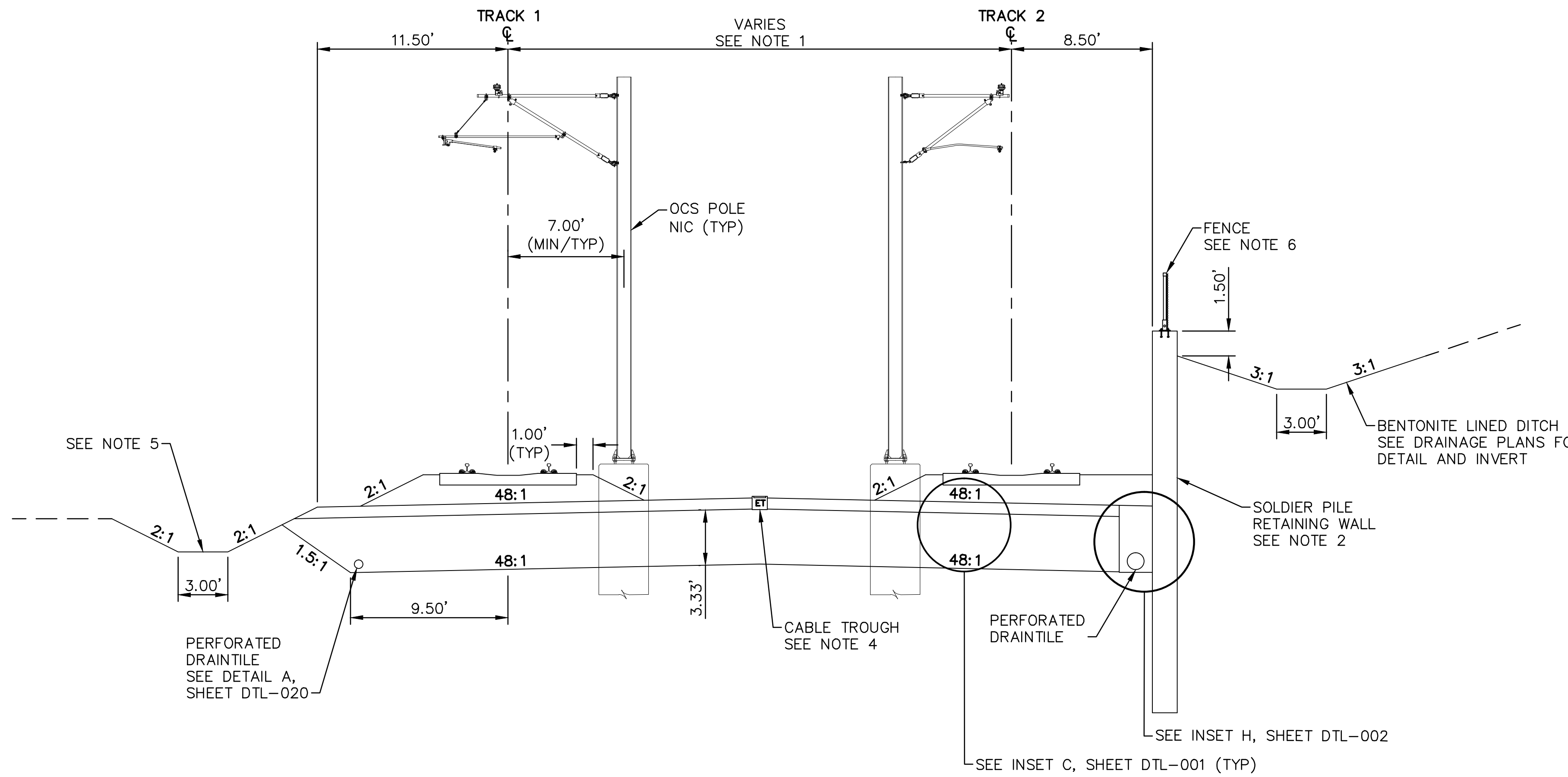
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 026

SHEET 87 OF 211

NOTES:
1. TRACK CENTERS NARROW FROM 30.42' TO 30.38' FROM STA. 2291+56.00 TO 2291+59.86.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. TPSS SITE NOT DEPICTED BETWEEN STA. 2293+26 AND STA. 2294+06.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
5. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2291+55.97 TO STA 2295+10.38

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 027

SHEET 88 OF 211

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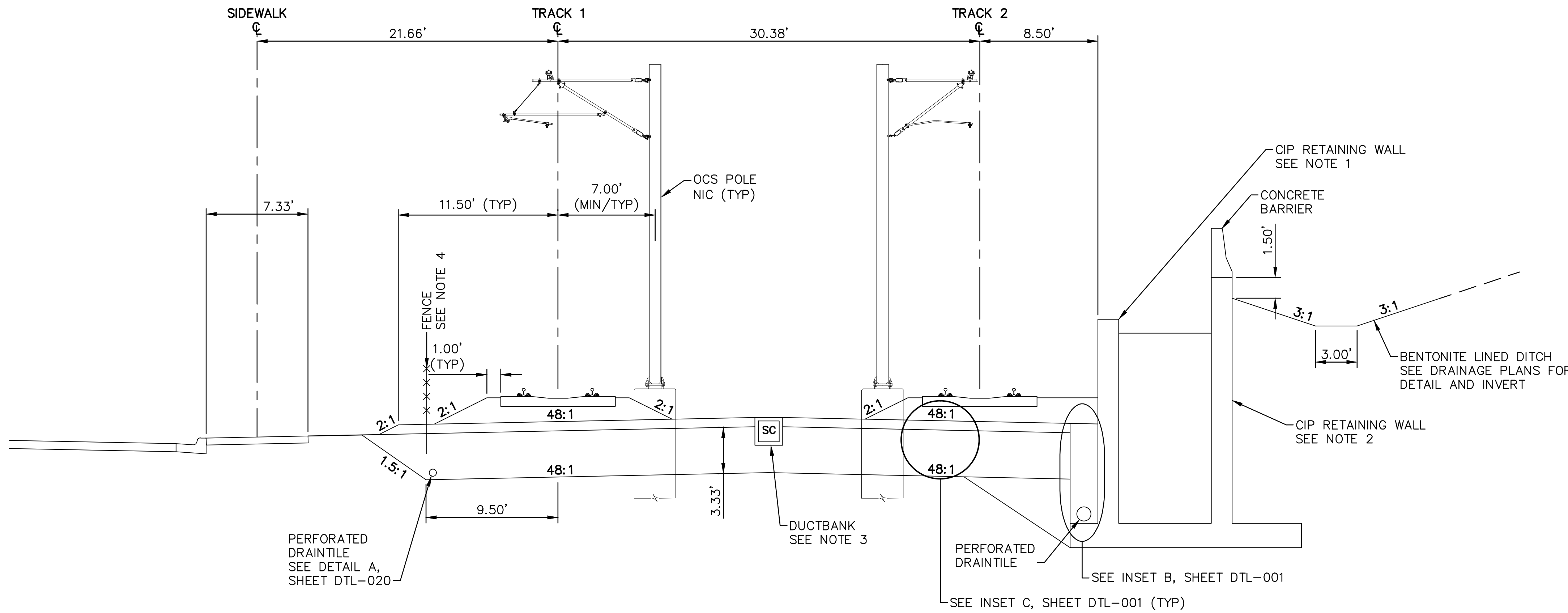
NOTES:
1. SEE RETAINING WALL PLANS FOR DETAILS.
2. RETAINING WALL BEGINS AT STA 2295+40.88. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2295+39.30 TO STA 2295+80.80

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

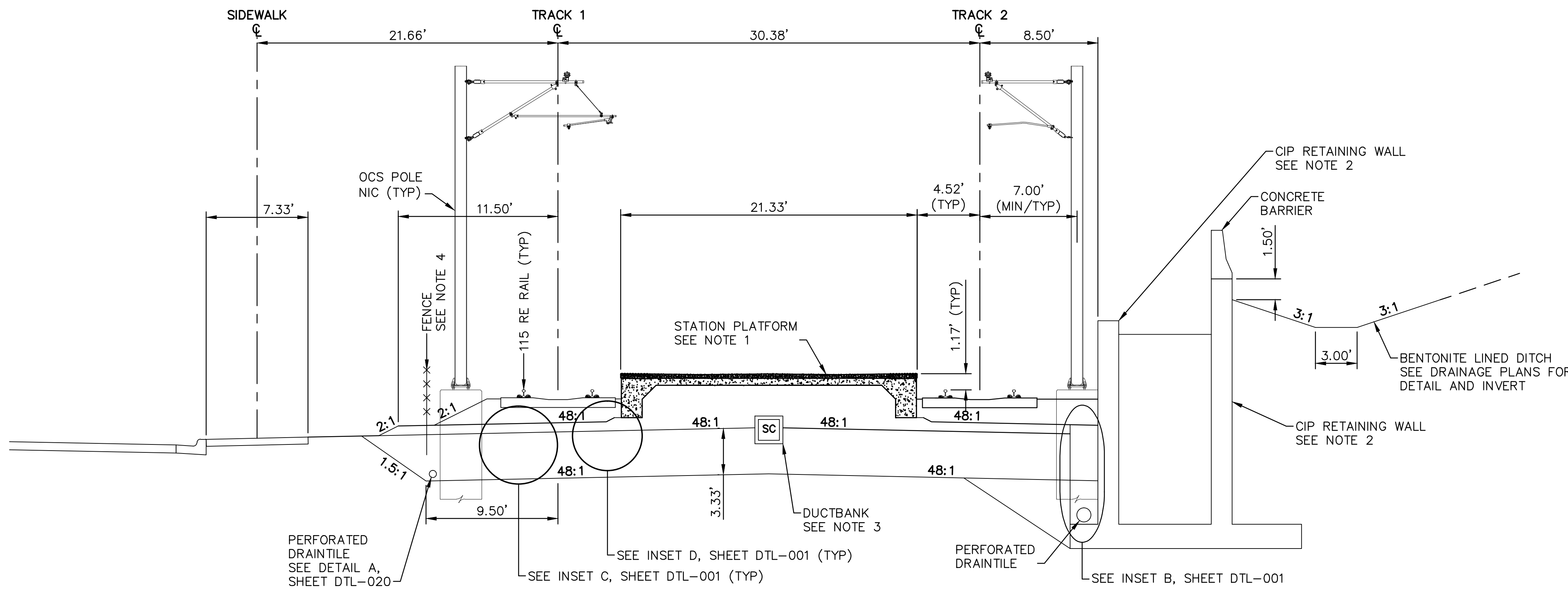
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 028

SHEET 89 OF 211

NOTES:
1. SEE STATION PLANS FOR STATION PLATFORM DETAILS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION – CITY WEST STATION
STA 2295+80.80 TO STA 2298+50.80

0 2.5 5 10
SCALE IN FEET

Jan. 18 2016 09:04 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-TYP.dwg By: MaurisBM

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

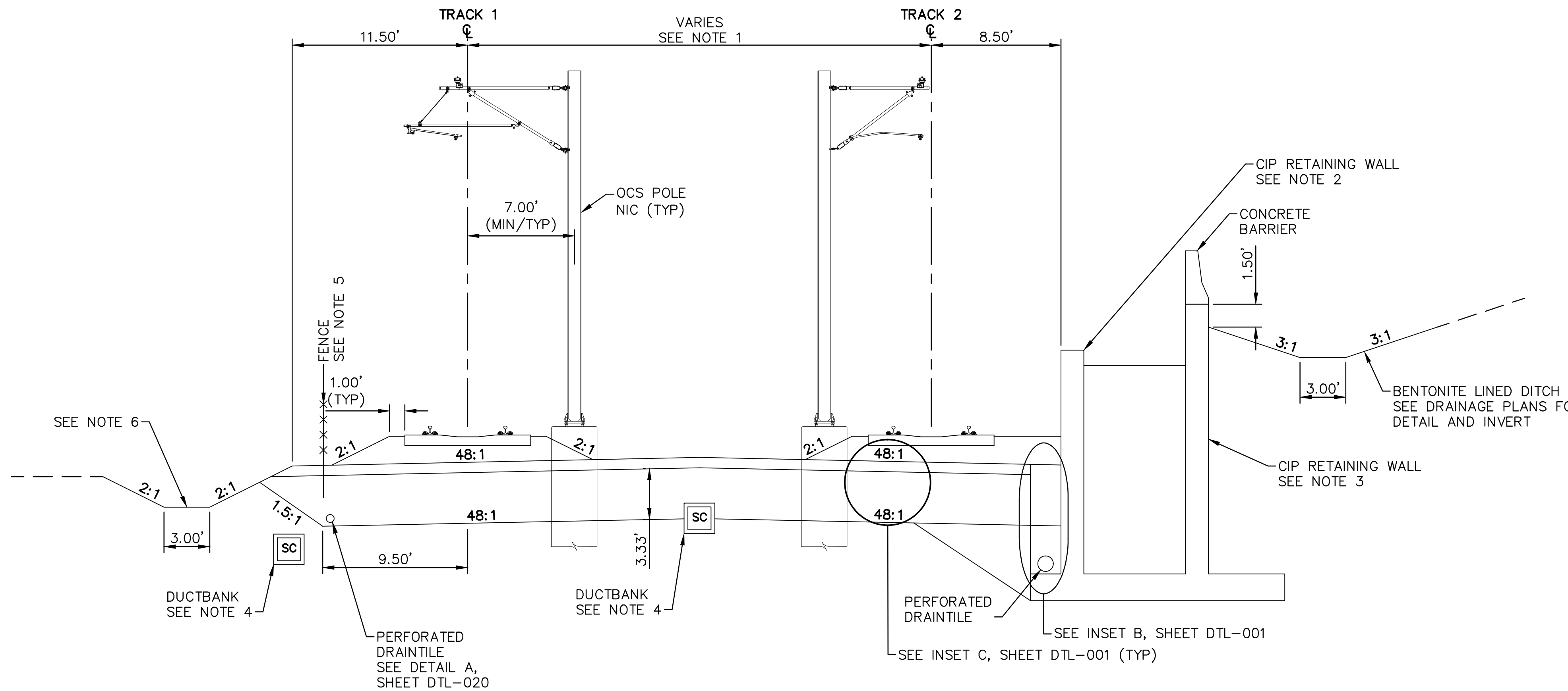
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 029

NOTES:
1. TRACK CENTERS NARROW FROM 30.38' TO 30.25' BETWEEN STA. 2298+50.80 AND 2299+45.92.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. RETAINING WALL ENDS AT STA 2298+90.72. SEE RETAINING WALL PLANS FOR DETAILS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
6. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2298+50.80 TO STA 2299+45.92

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

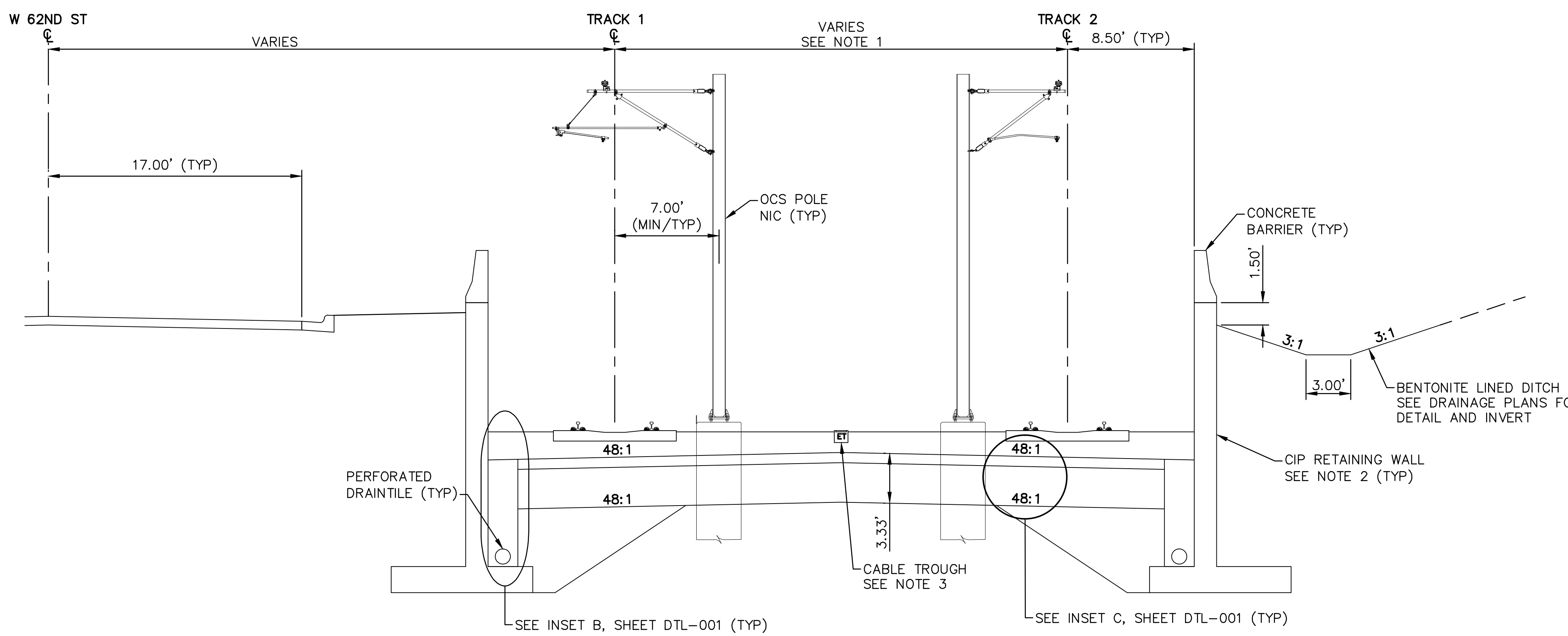
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 030

NOTES:
1. TRACK CENTERS NARROW FROM 30.38' TO 20.00' BETWEEN STA. 2299+45.92 AND 2302+21.00.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2299+45.92 TO STA 2302+21.00

0 2.5 5 10
SCALE IN FEET

Jan. 18 2016 09:04 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-TYP.dwg By: MaurisBM

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

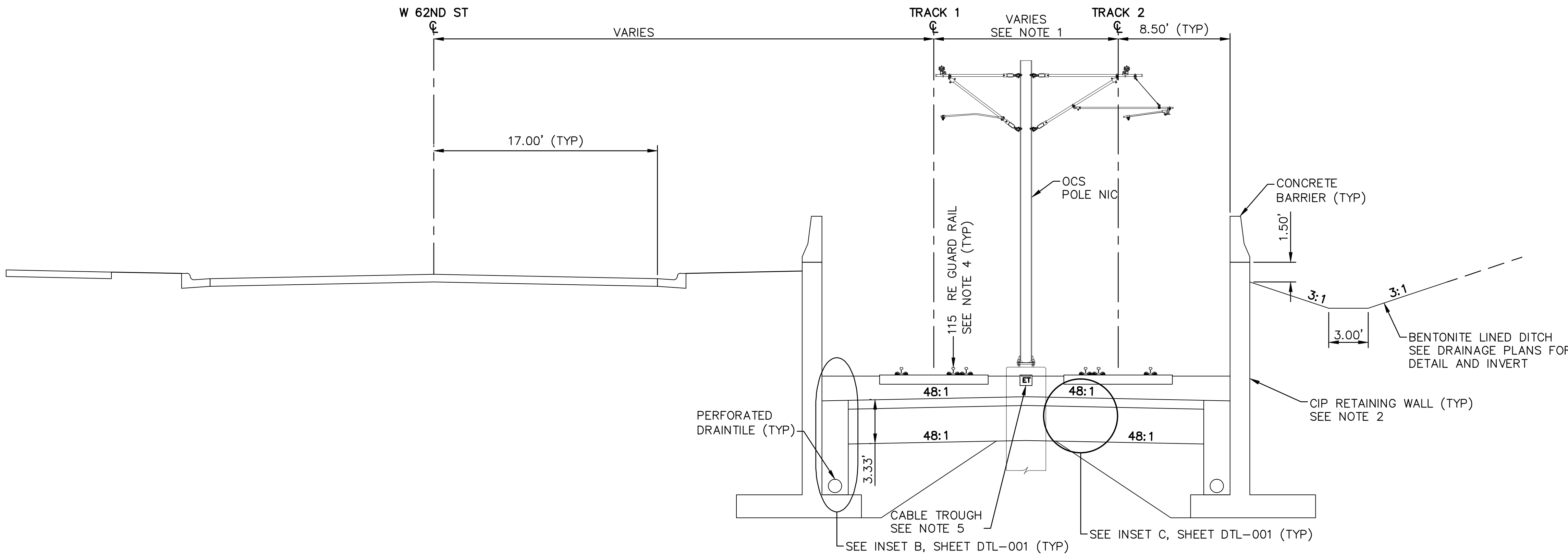
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 031

NOTES:
1. TRACK CENTERS NARROW FROM 20.00' TO 19.50' BETWEEN STA. 2302+21.00 AND 2302+89.89.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE DRAINAGE PLANS FOR GUIDEWAY DRAINAGE SCHEMATIC AT PORTAL AREA.
4. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
5. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2302+21.00 TO STA 2305+00.00

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

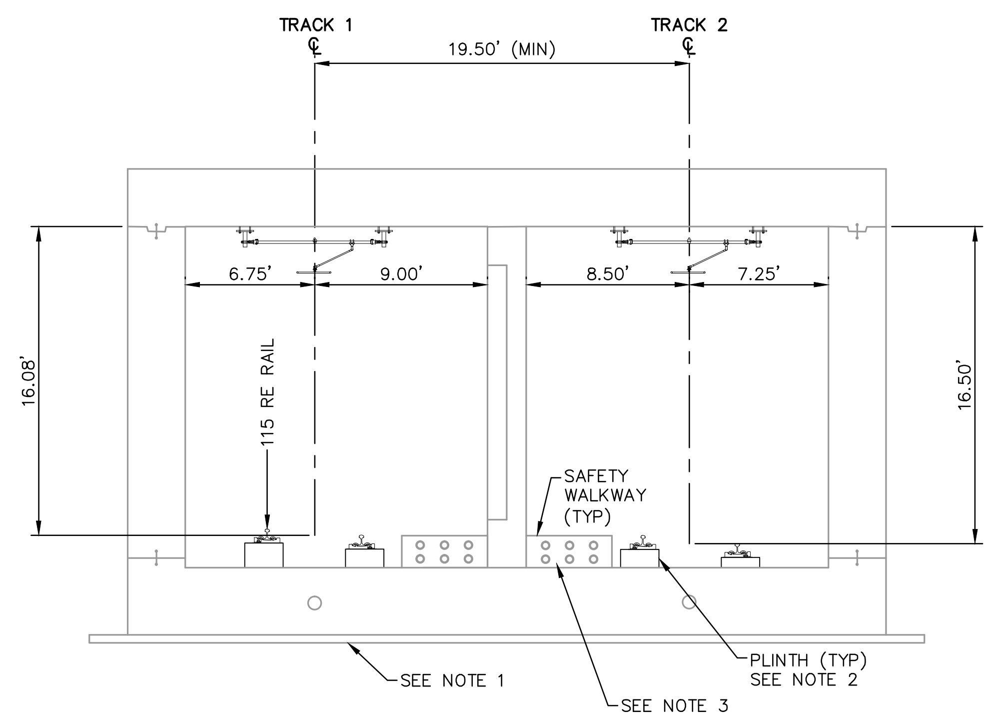
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

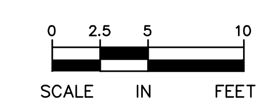
DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 032

NOTES:
1. MnDOT BRIDGE CBR27W33. SEE TUNNEL PLANS.
2. SEE TRACK DETAILS FOR PLINTH LAYOUT.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2305+00.00 TO STA 2310+82.00



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

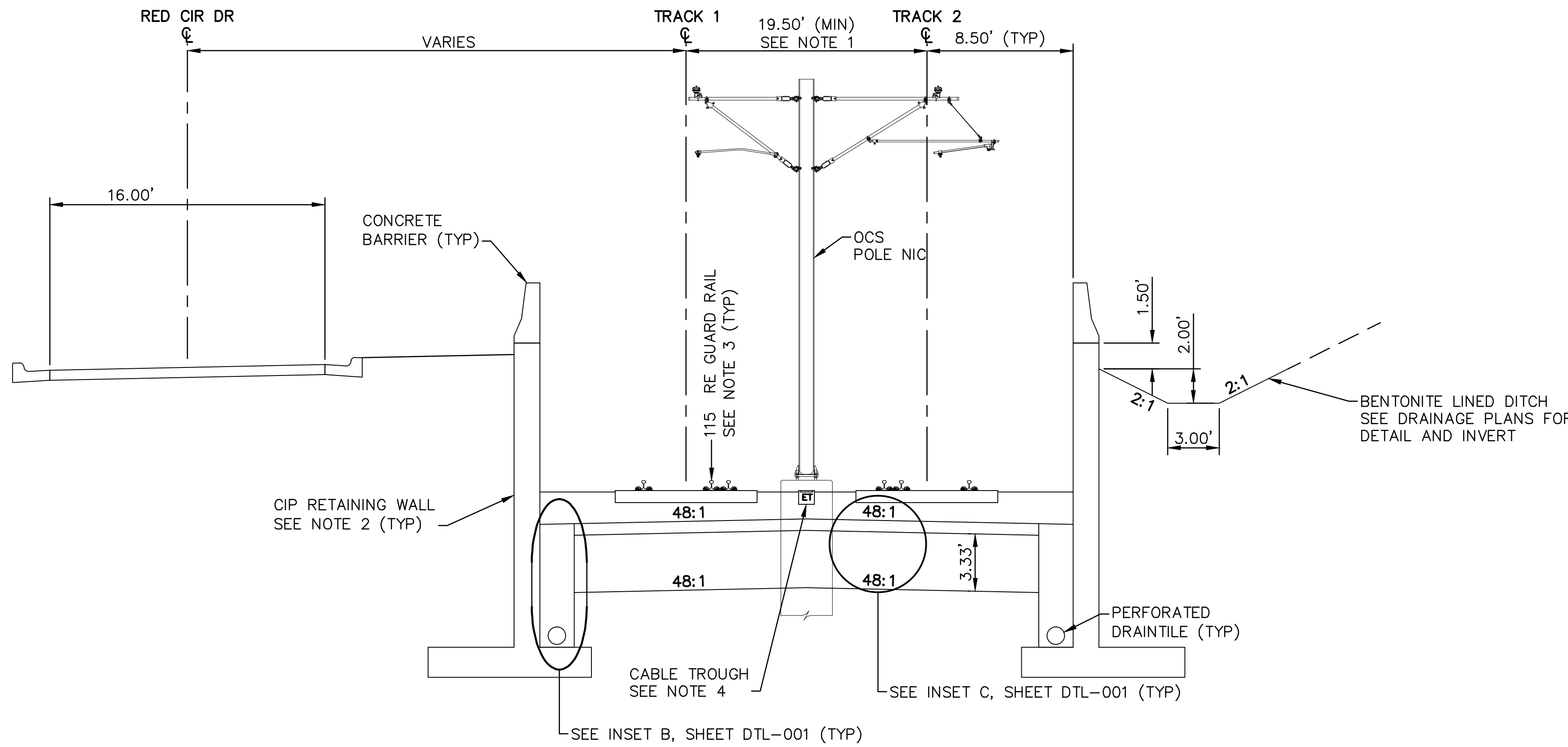
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 033

Jan, 18 2016 09:05 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-TYP.dwg By: MaurisBM

NOTES:
1. TRACK CENTERS VARY IN CURVE W2-211. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2310+82.00 TO STA 2312+55.80

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

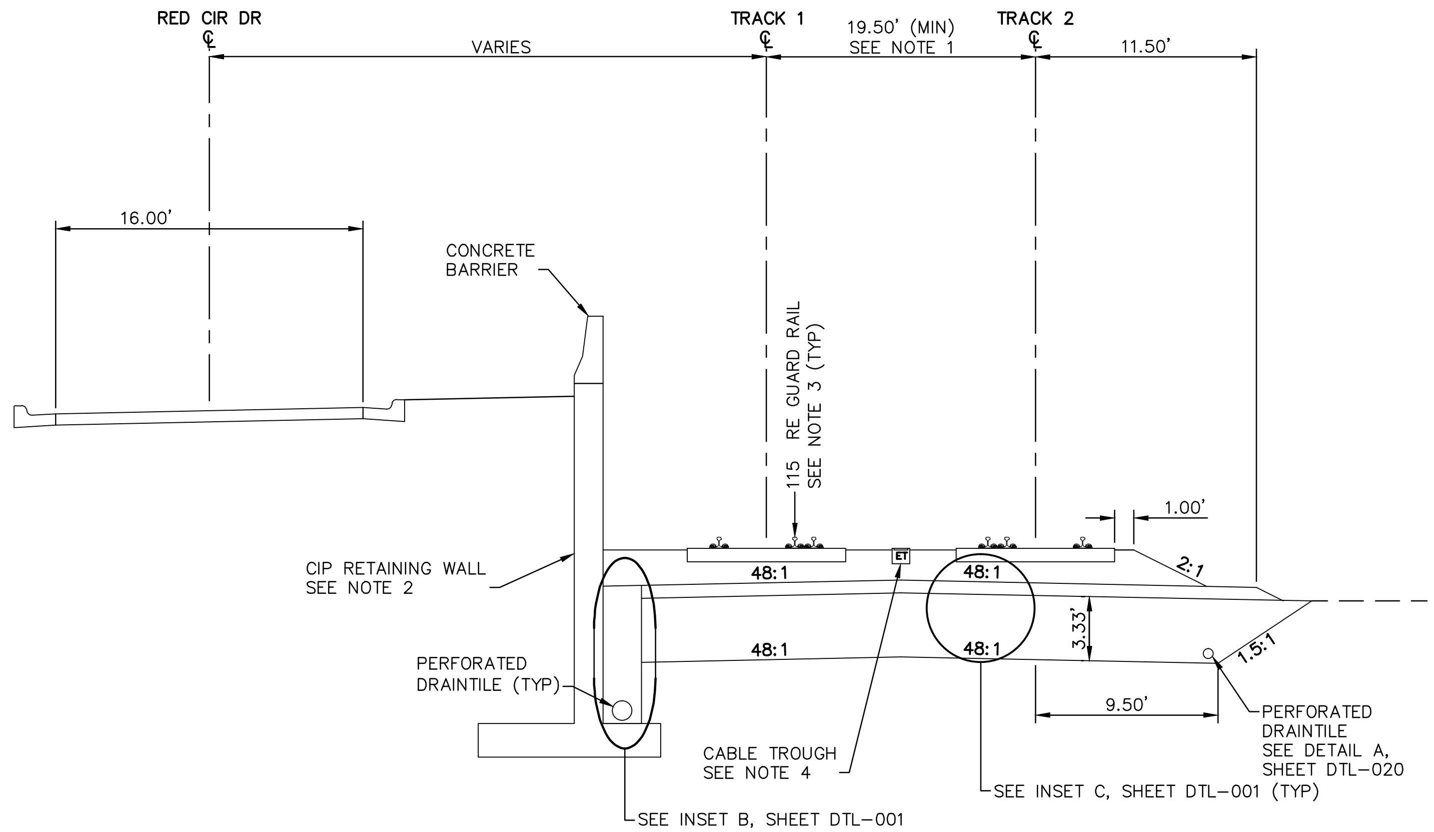
DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 034

SHEET 95 OF 211

Jan, 18 2016 09:05 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-TYP.dwg By: MaurisBM

NOTES:
1. TRACK CENTERS VARY IN CURVE W2-211. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2312+55.80 TO STA 2313+50.00

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

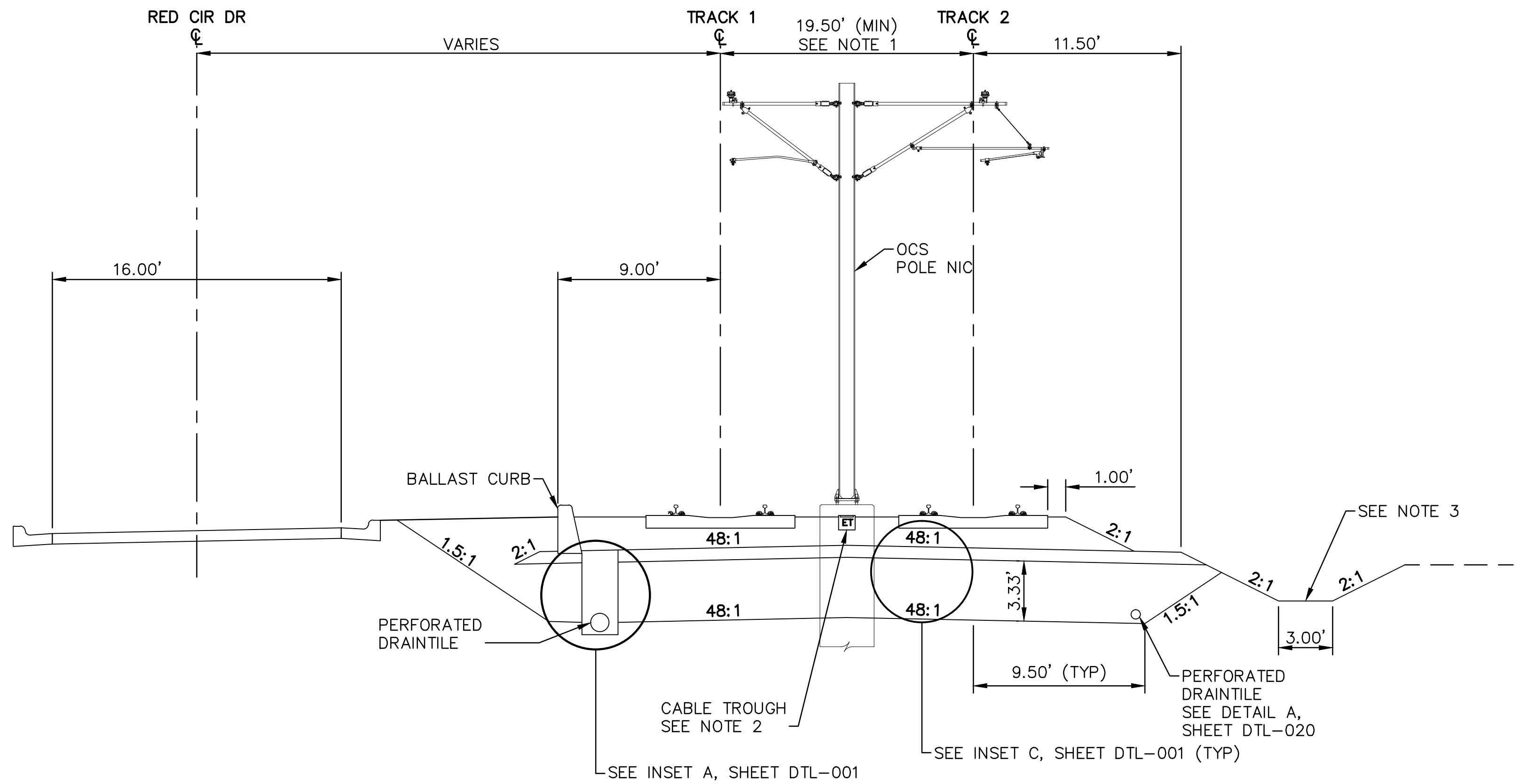
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 041

NOTES:
1. TRACK CENTERS VARY IN CURVE W2-212. SEE TRACK PLANS.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2313+50.00 TO STA 2313+93.92

0 2.5 5 10
SCALE IN FEET

Jan, 18 2016 09:06 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-TYP.dwg By: MaurisBM

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METROPOLITAN COUNCIL

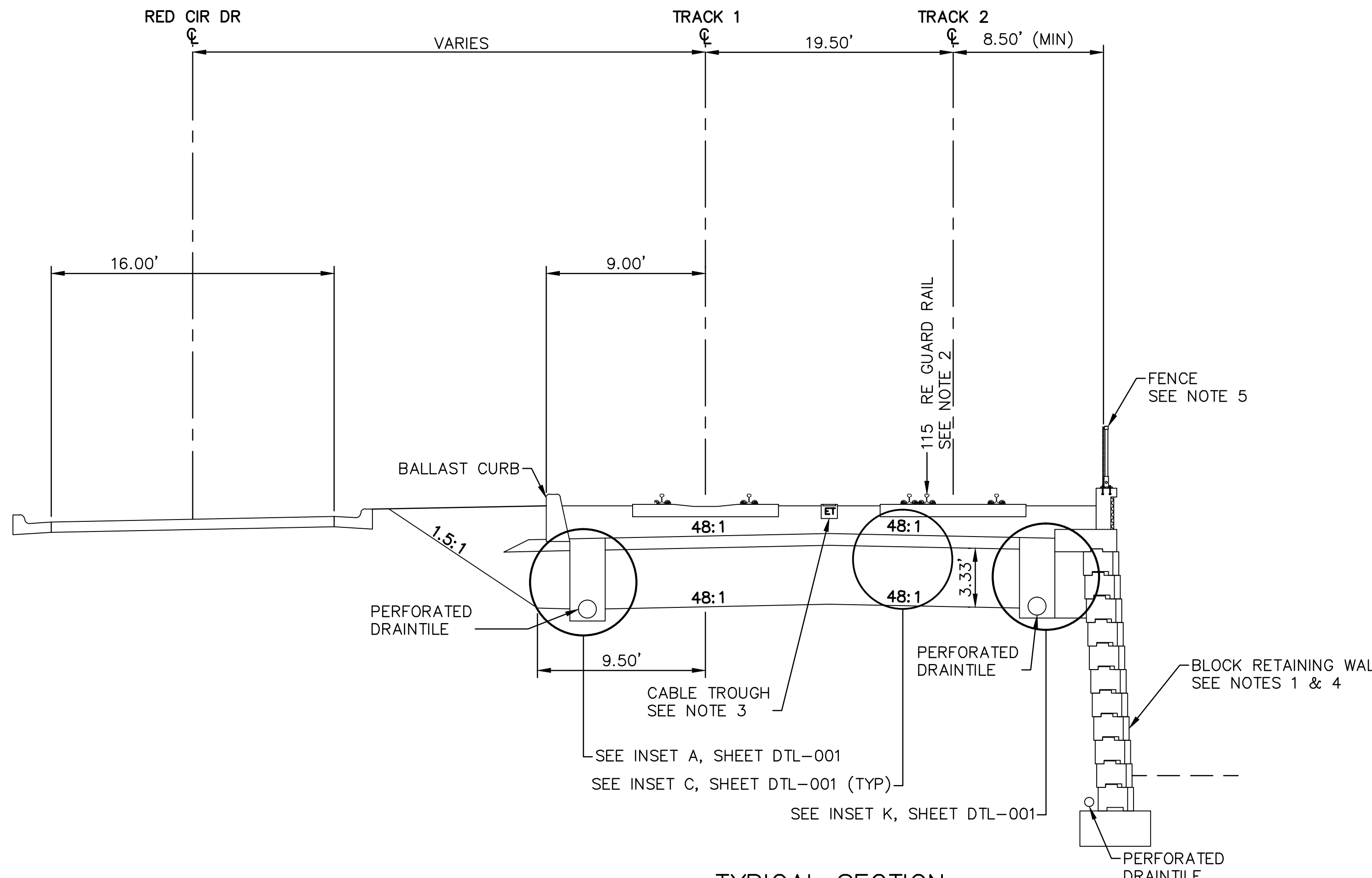
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 035

NOTES:
1. SEE STRUCTURAL PLANS FOR WING WALL DETAILS.
2. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. SECTION DOES NOT ILLUSTRATE TRAIL 1 UNDERPASS. SEE STRUCTURAL PLANS AND DETAILS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2313+93.92 TO STA 2314+77.92

0 2.5 5 10
SCALE IN FEET

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 036

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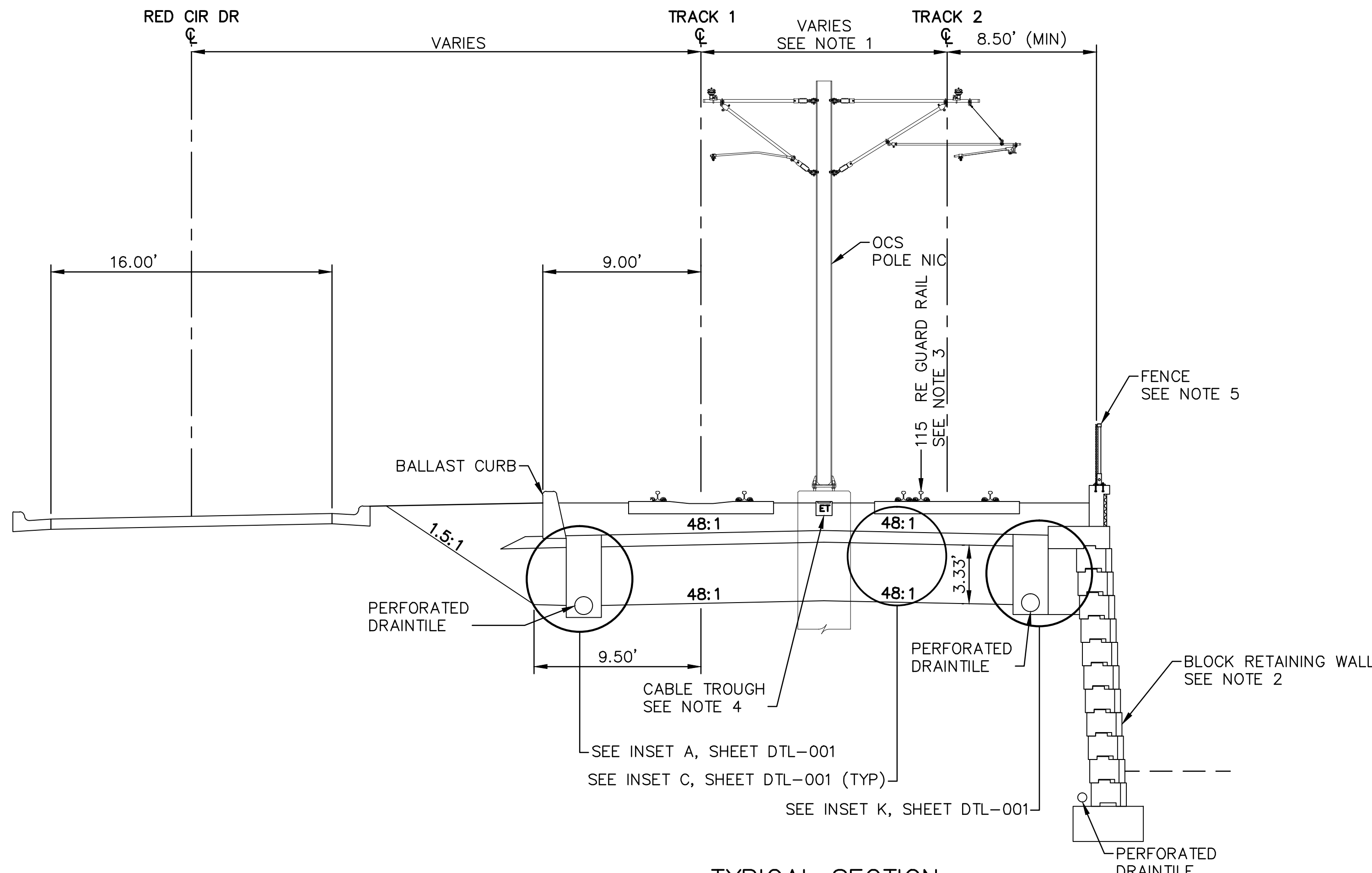
NOTES:
1. TRACK CENTERS NARROW FROM 19.50' TO 19.28' BETWEEN STA. 2314+78.00 AND 2315+55.74.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2314+77.92 TO STA 2315+55.74

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

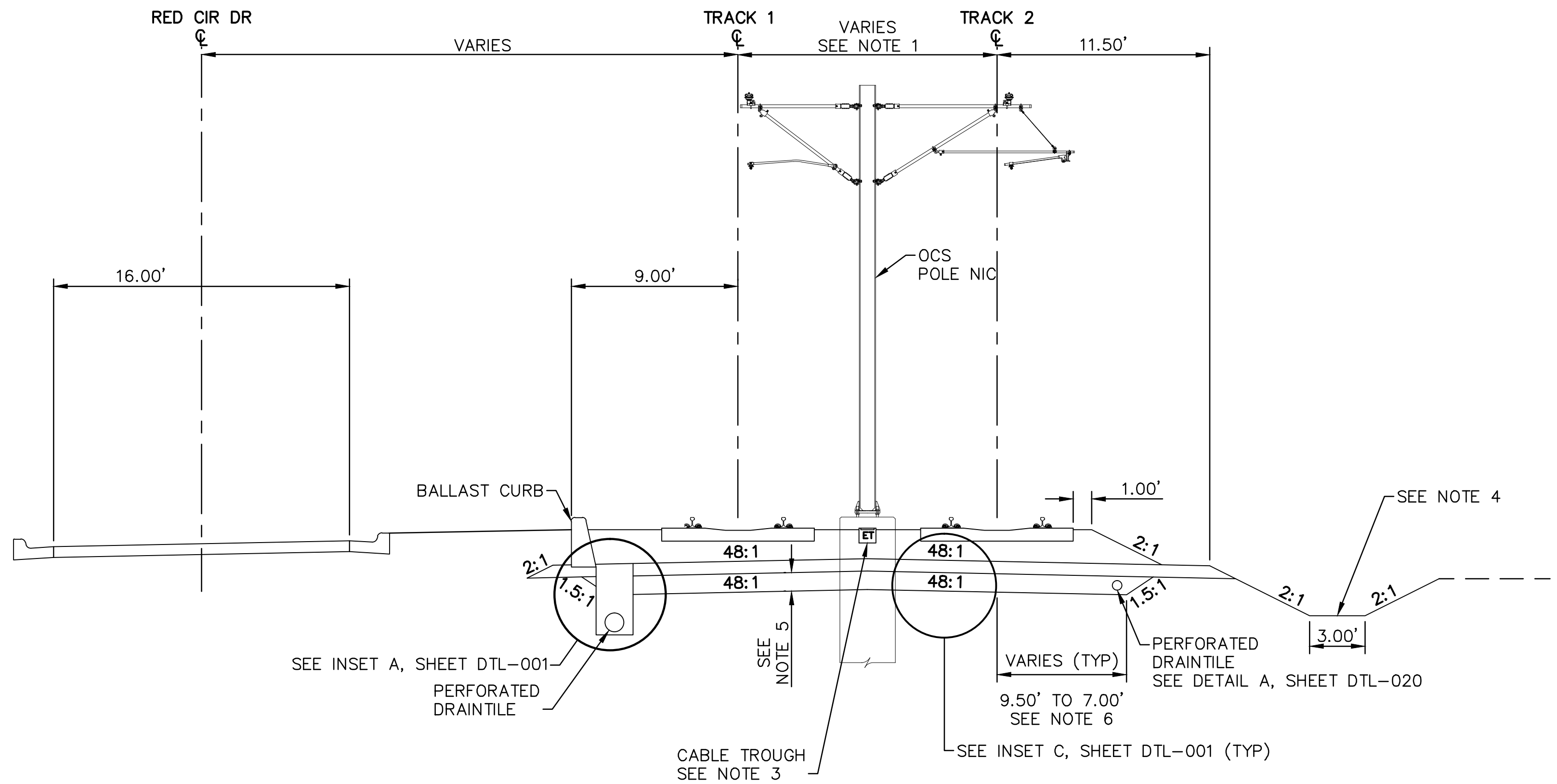
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 042

NOTES:
1. TRACK CENTERS NARROW FROM 19.28' TO 17.32' BETWEEN STA. 2315+55.74 AND STA 2318+25.95.
2. SECTION DOES NOT ILLUSTRATE GRADE CROSSING AT BREN RD W. SEE TRACK PLANS AND DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
5. SELECT GRANULAR DEPTH:
   STA 2315+55.74: 3.33'
   STA 2316+02.41 TO STA 2318+25.95: 1.00'
   TRANSITION LINEARLY BETWEEN STA 2315+55.74 AND STA 2316+02.41.
6. TRANSITION FROM 9.50' TO 7.00' BETWEEN STA 2315+55.74 AND STA 2316+02.41.



TYPICAL SECTION
STA 2315+55.74 TO STA 2318+25.95

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 037

SHEET 100 OF 211

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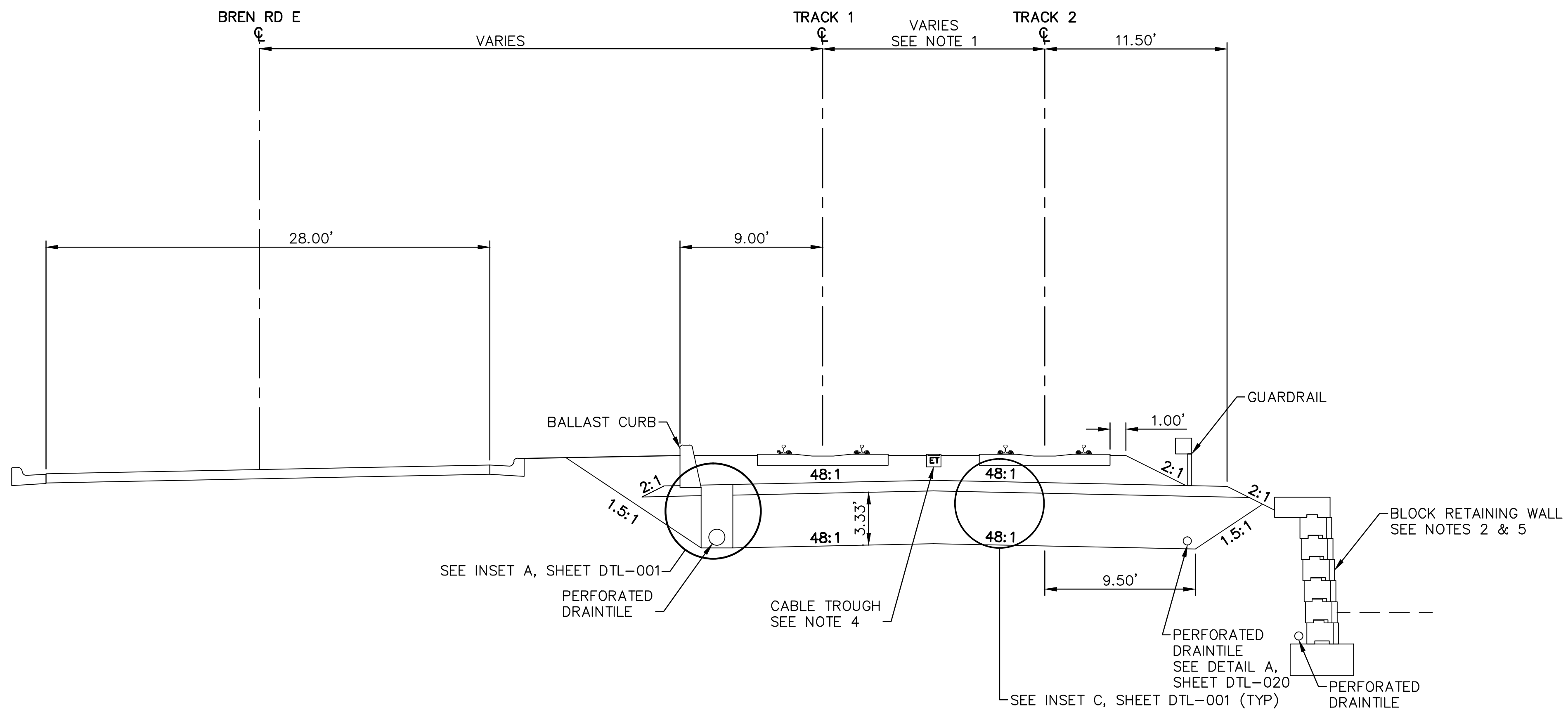
NOTES:
1. TRACK CENTERS WIDEN FROM 17.32' TO 17.33' BETWEEN STA. 2318+25.95 AND STA 2318+87.89.
2. SEE STRUCTURAL PLANS FOR WING WALL DETAILS.
3. SECTION DOES NOT ILLUSTRATE GRADE CROSSING AT BREN RD W. SEE TRACK PLANS AND DETAILS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
5. SECTION DOES NOT ILLUSTRATE TRAIL 2 UNDERPASS. SEE STRUCTURAL PLANS FOR DETAILS.



TYPICAL SECTION
STA 2318+25.95 TO STA 2318+67.79

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 038

SHEET 101 OF 211

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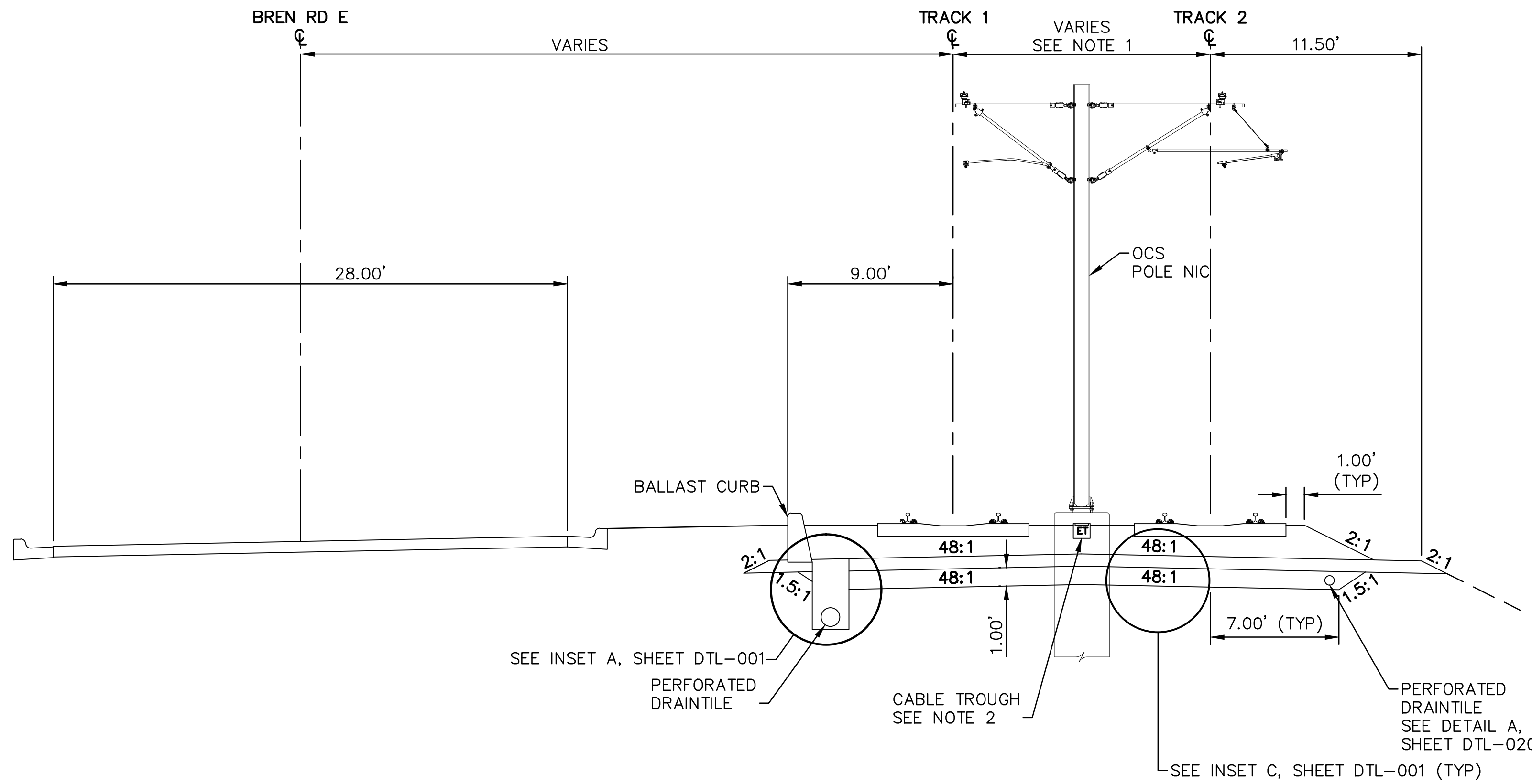
NOTES:
1. TRACK CENTERS WIDEN FROM 17.33' TO 18.56' BETWEEN STA. 2318+87.89 AND STA 2319+51.25.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2318+87.89 TO STA 2319+51.25

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

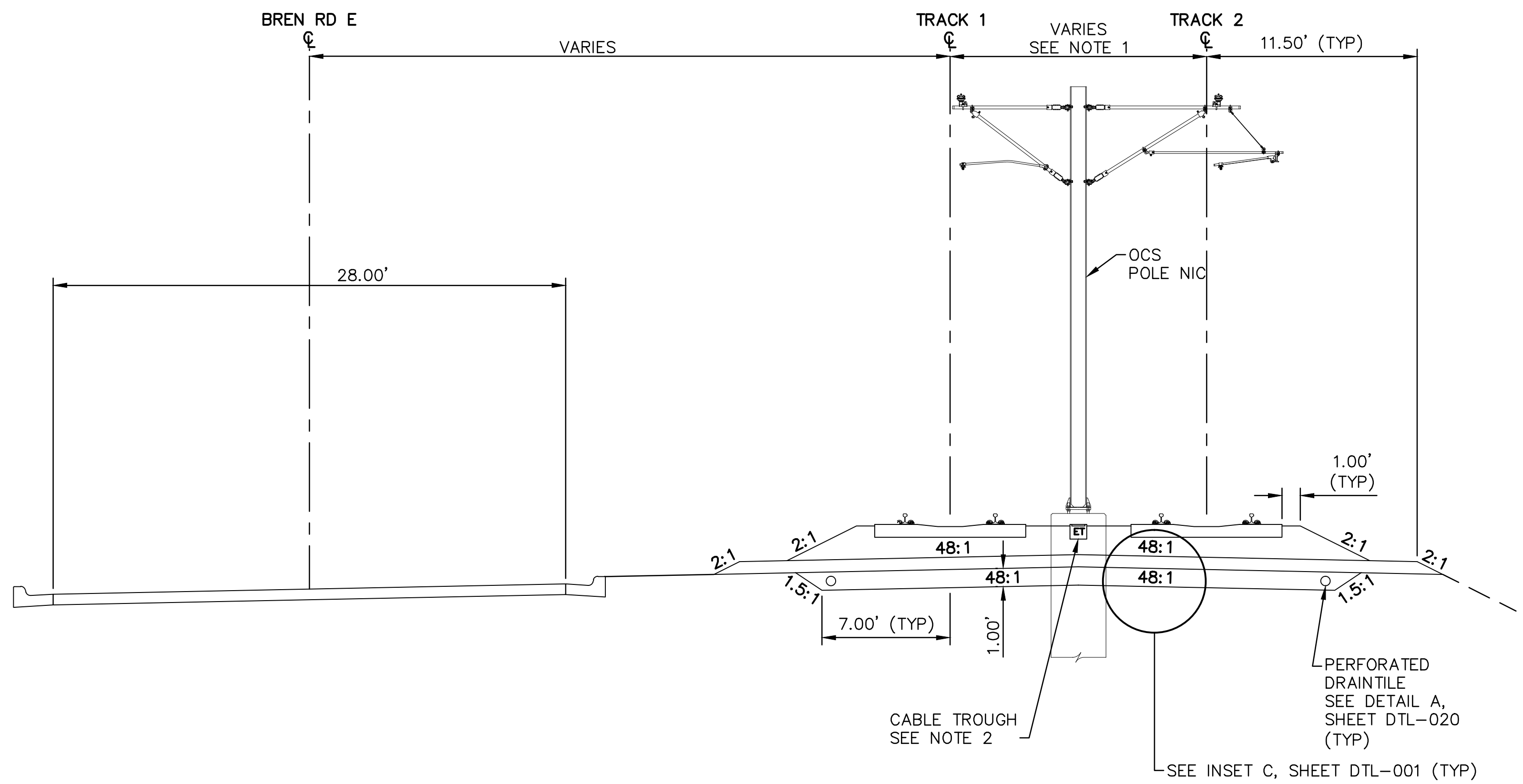
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 043

NOTES:
1. TRACK CENTERS WIDEN FROM 18.56' TO 21.90' BETWEEN STA. 2319+51.25 AND 2320+55.80.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2319+51.25 TO STA 2320+55.80

0 2.5 5 10
SCALE IN FEET

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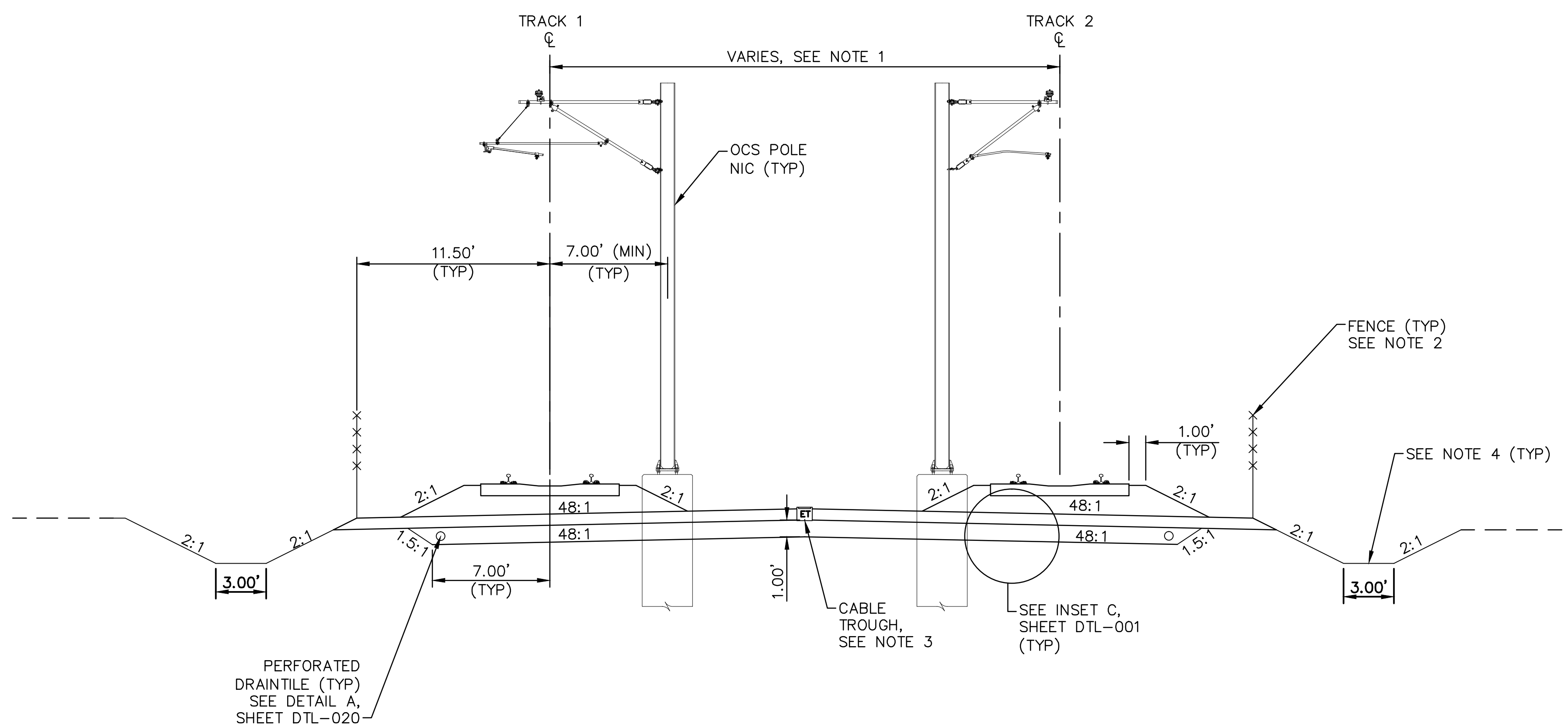
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-TYP - 039

NOTES:
1. TRACK CENTERS WIDEN FROM 21.90' TO 30.38' BETWEEN STA 2335+00.00 AND STA 2338+62.79.
2. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2335+00.00 TO STA 2338+62.79

0 2.5 5 10
SCALE IN FEET

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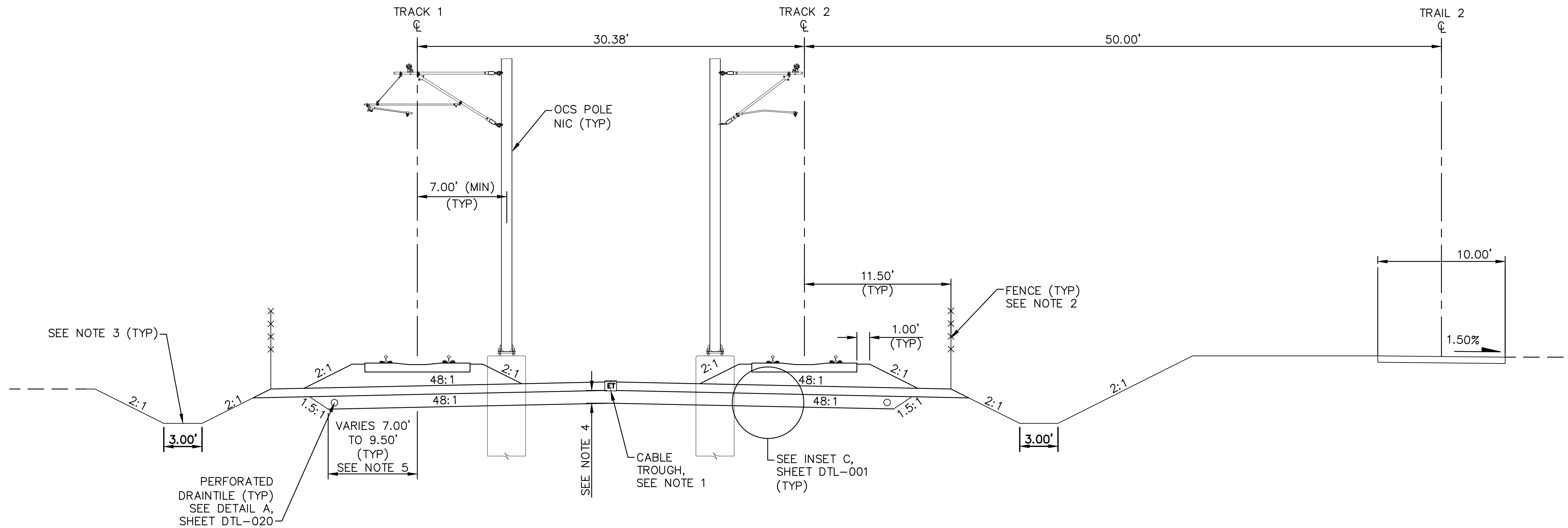
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 001

NOTES:
1. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
2. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
3. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
4. SELECT GRANULAR DEPTH: STA 2338+62.79 TO STA 2339+45.33: 1.00'; STA 2339+92.00: 3.33. TRANSITION LINEARLY BETWEEN STA 2339+45.33 AND STA 2339+92.00.
5. TRANSITION FROM 7.00' TO 9.50' BETWEEN STA 2339+45.33 AND STA 2339+92.00.



TYPICAL SECTION
STA 2338+62.79 TO STA 2339+92.00

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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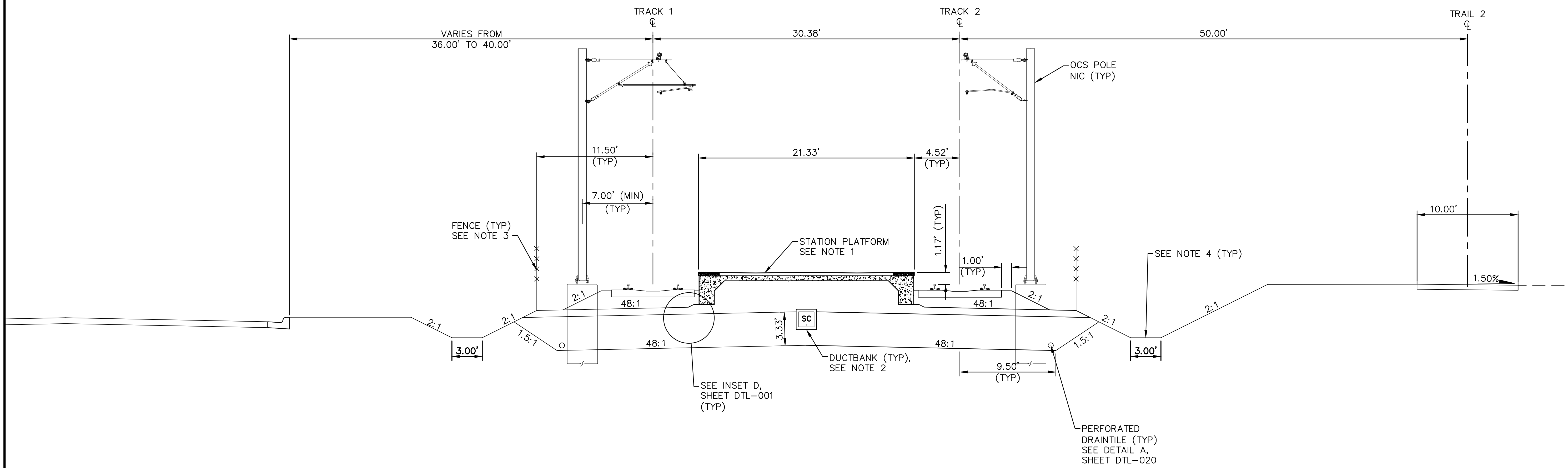
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 002

NOTES:
1. SEE STATION PLANS FOR STATION PLATFORM DETAILS.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION – OPUS STATION
STA 2339+92.00 TO STA 2341+32.15

0 2.5 5 10
SCALE IN FEET

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SOUTHWEST Green Line LRT Extension

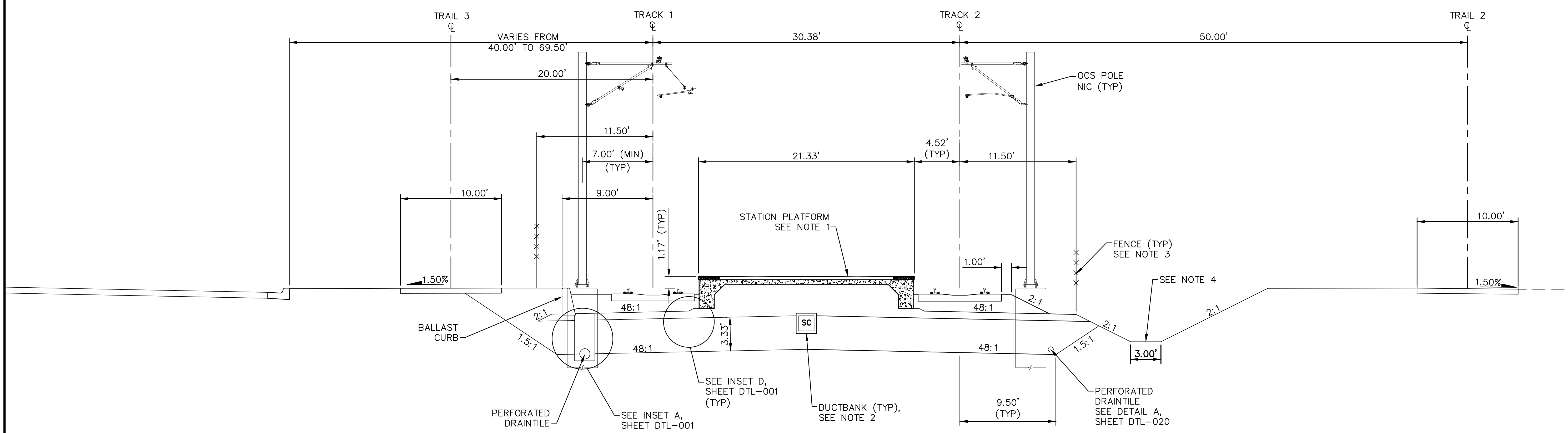
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 003

SHEET 106 OF 211

NOTES:
1. SEE STATION PLANS FOR STATION PLATFORM DETAILS.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION – OPUS STATION
STA 2341+32.15 TO STA 2342+62.00

0 2.5 5 10
SCALE IN FEET

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

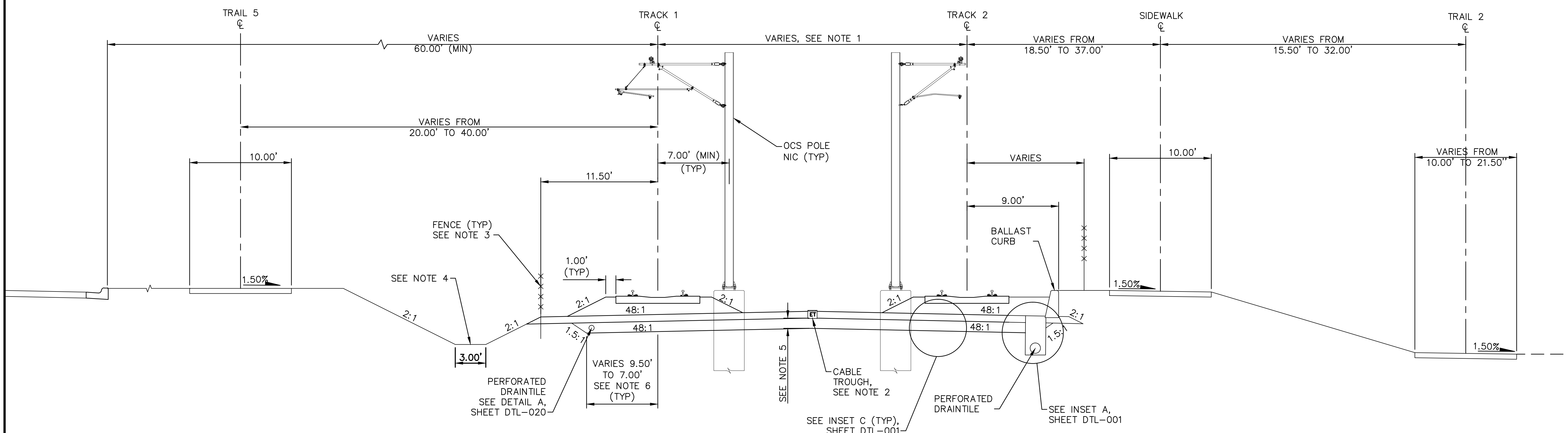
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 004

SHEET 107 OF 211

NOTES:
1. TRACK CENTERS NARROW FROM 30.38' TO 27.38' BETWEEN STA 2343+14.33 AND STA 2344+46.19.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
5. SELECT GRANULAR DEPTH:
   STA 2342+62.00: 3.33';
   STA 2343+08.67 TO STA 2344+46.19: 1.00'.
   TRANSITION LINEARLY BETWEEN STA 2342+62.00 AND STA 2343+08.67.
6. TRANSITION FROM 9.50' TO 7.00' BETWEEN STA 2342+62.00 AND STA 2343+08.67.



TYPICAL SECTION
STA 2342+62.00 TO STA 2344+00.00

0 2.5 5 10
SCALE IN FEET

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

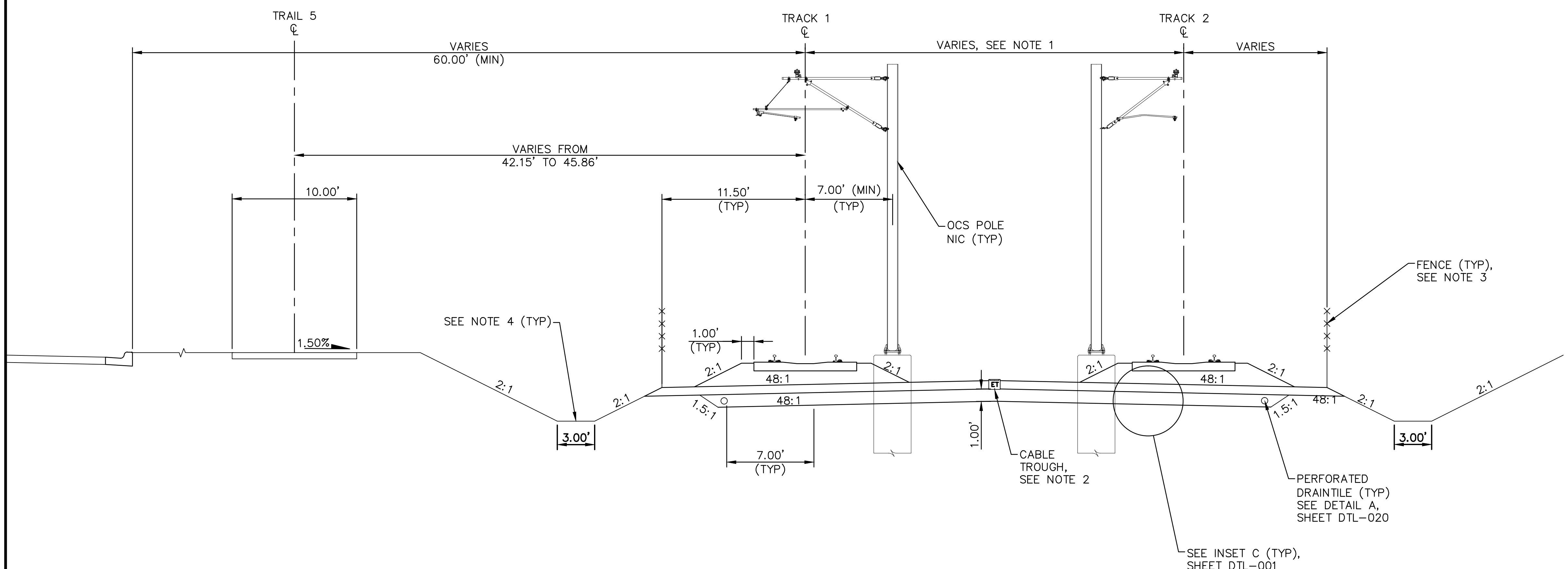
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 005

SHEET 108 OF 211

NOTES:
1. TRACK CENTERS NARROW FROM 27.38' TO 20.00' BETWEEN STA 2344+46.19 AND STA 2345+58.58.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2344+00.00 TO STA 2345+58.58

0 2.5 5 10
SCALE IN FEET

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 006

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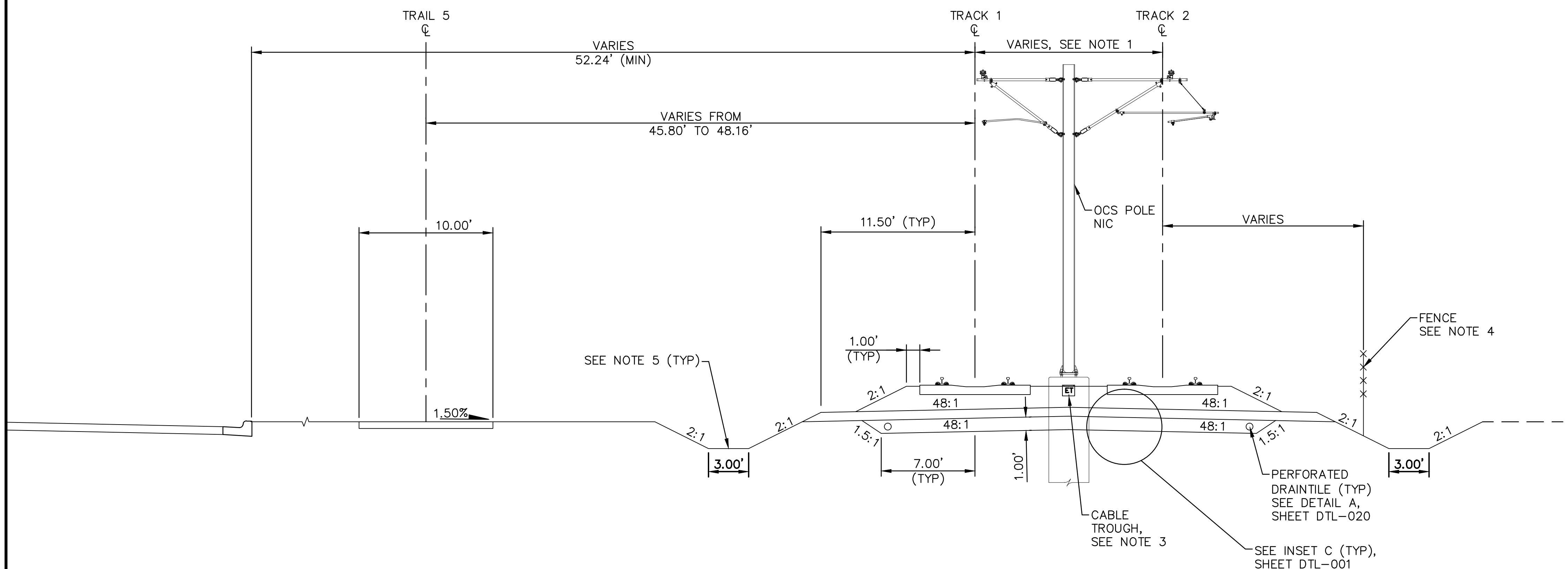
NOTES:
1. TRACK CENTERS NARROW FROM 20.00' TO 15.50' BETWEEN STA 2245+58.58 AND STA 2346+36.84.
2. SECTION DOES NOT ILLUSTRATE GRADE CROSSING AT BREN RD E. SEE TRACK PLANS AND DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
5. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2345+58.58 TO STA 2346+40.51

0 2.5 5 10
SCALE IN FEET

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METROPOLITAN COUNCIL

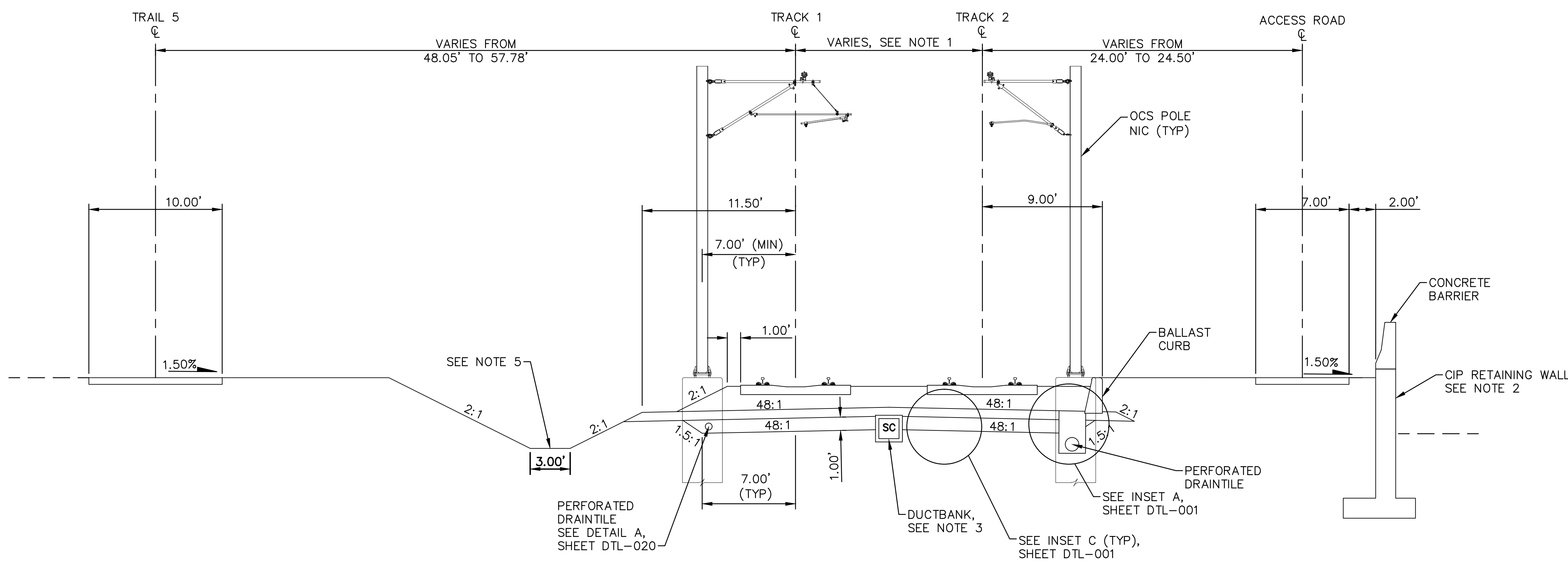
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 007

NOTES:
1. TRACK CENTERS NARROW FROM 15.50' TO 14.00' BETWEEN STA 2346+36.84 AND STA 2347+38.37.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. SECTION DOES NOT ILLUSTRATE GRADE CROSSING AT BREN ROAD W. SEE TRACK PLANS AND DETAILS.
5. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION

STA 2346+40.51 TO STA 2347+47.45

0 2.5 5 10

SCALE IN FEET

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 008

SHEET 111 OF 211

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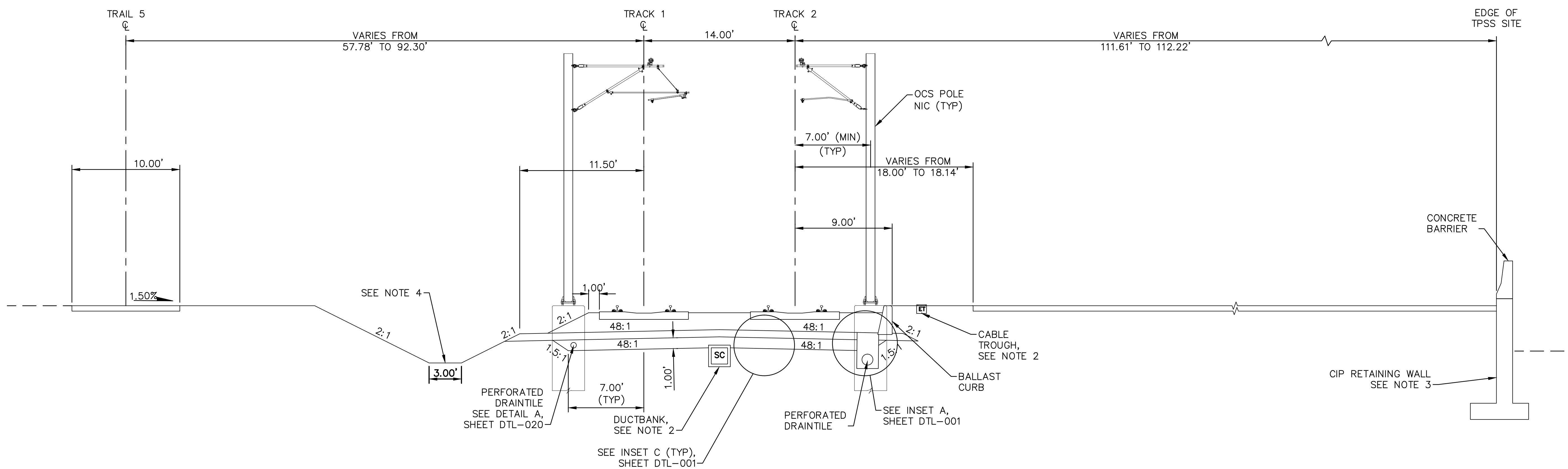
NOTES:
1. SPECIAL TRACKWORK NOT ILLUSTRATED.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. SEE RETAINING WALL PLANS FOR DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2347+47.45 TO STA 2348+25.79

0 2.5 5 10
SCALE IN FEET

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SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 009

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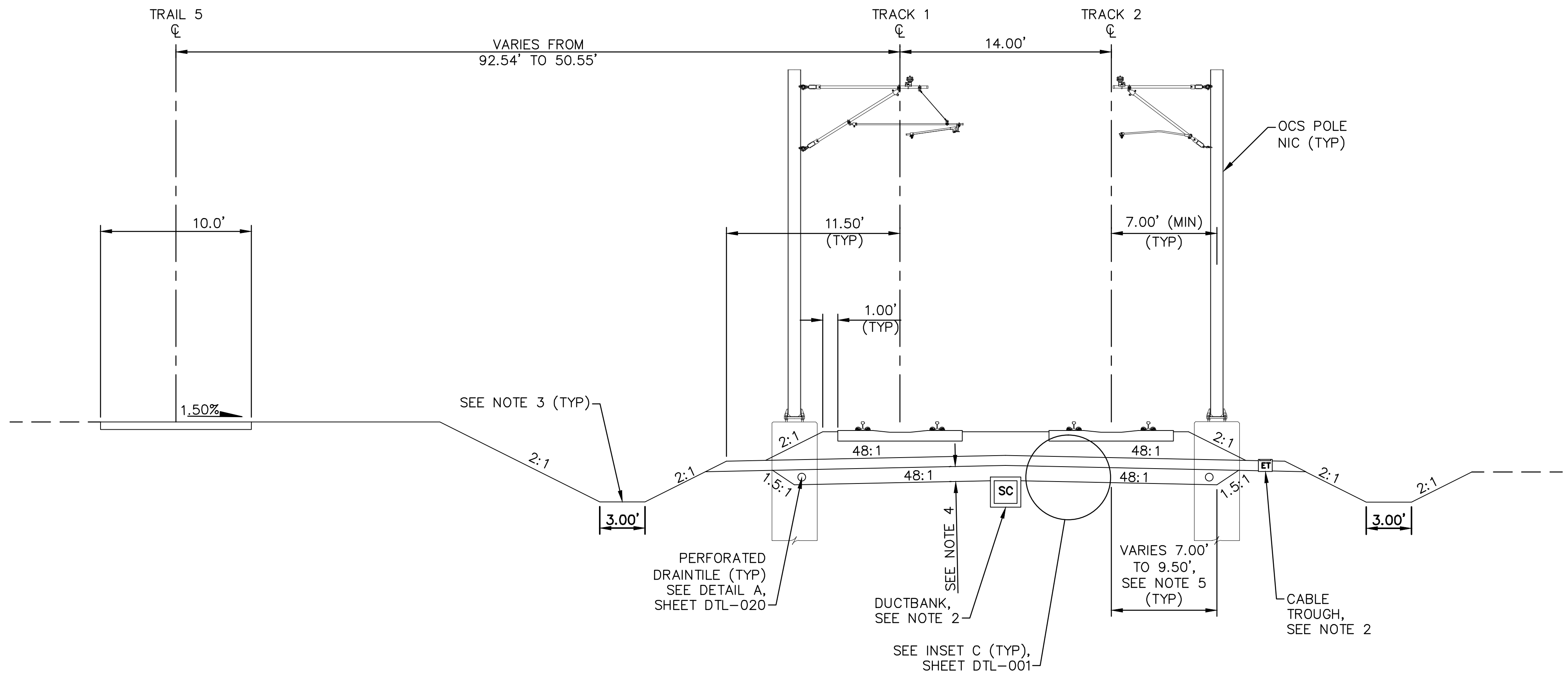
NOTES:
1. SPECIAL TRACKWORK NOT ILLUSTRATED.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
4. SELECT GRANULAR DEPTH:
STA 2348+25.79 TO STA 2349+28.33: 1.00';
STA 2349+75.00: 3.33'.
TRANSITION LINEARLY BETWEEN STA 2349+28.33 AND STA 2349+75.00.
5. TRANSITION FROM 7.00' TO 9.50' BETWEEN STA 2349+28.33 AND STA 2349+75.00.



TYPICAL SECTION
STA 2348+25.79 TO STA 2349+50.00

0 2.5 5 10
SCALE IN FEET

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METROPOLITAN COUNCIL

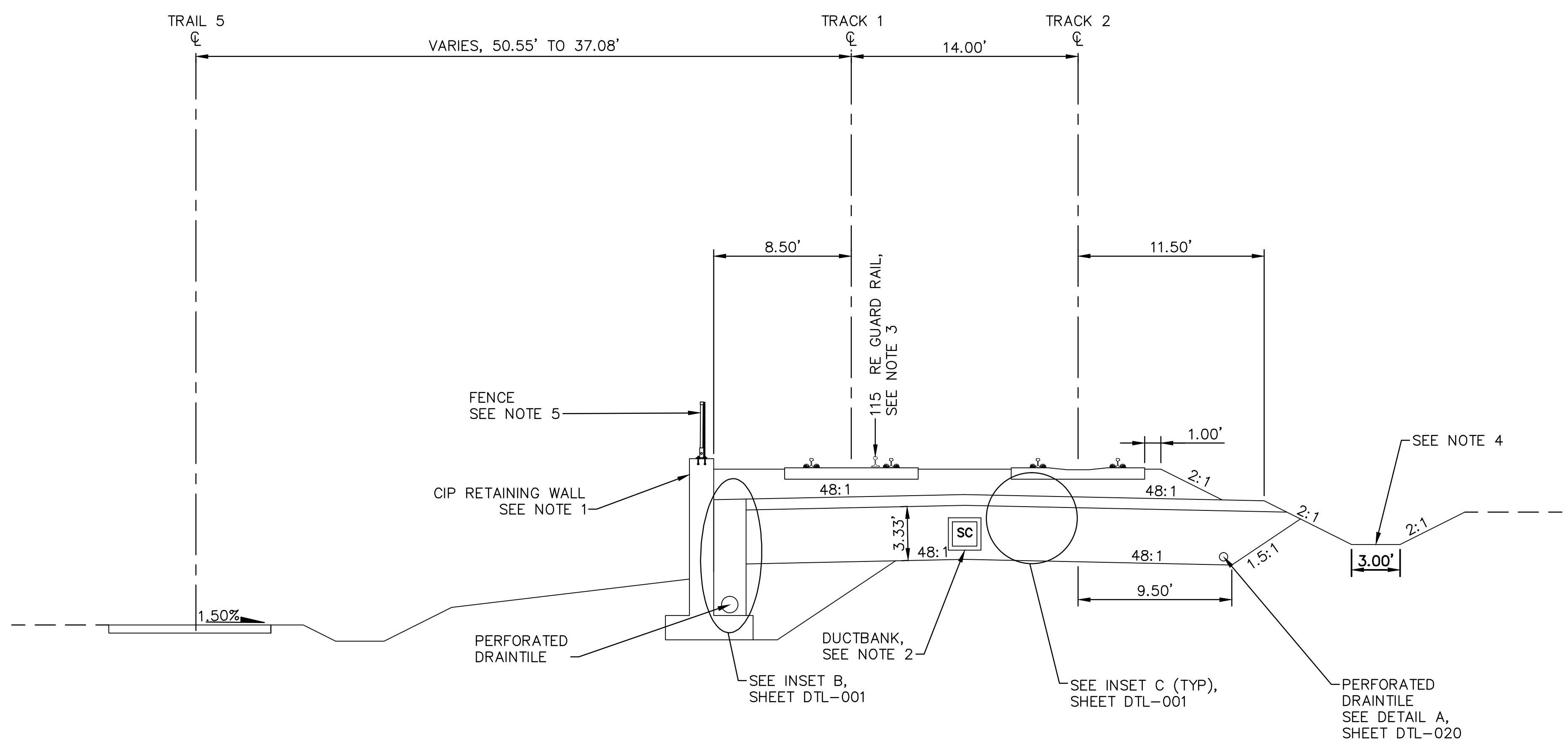
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 010

NOTES:
1. SEE RETAINING WALL PLANS FOR DETAILS.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2349+50.00 TO STA 2349+91.06

0 2.5 5 10
SCALE IN FEET

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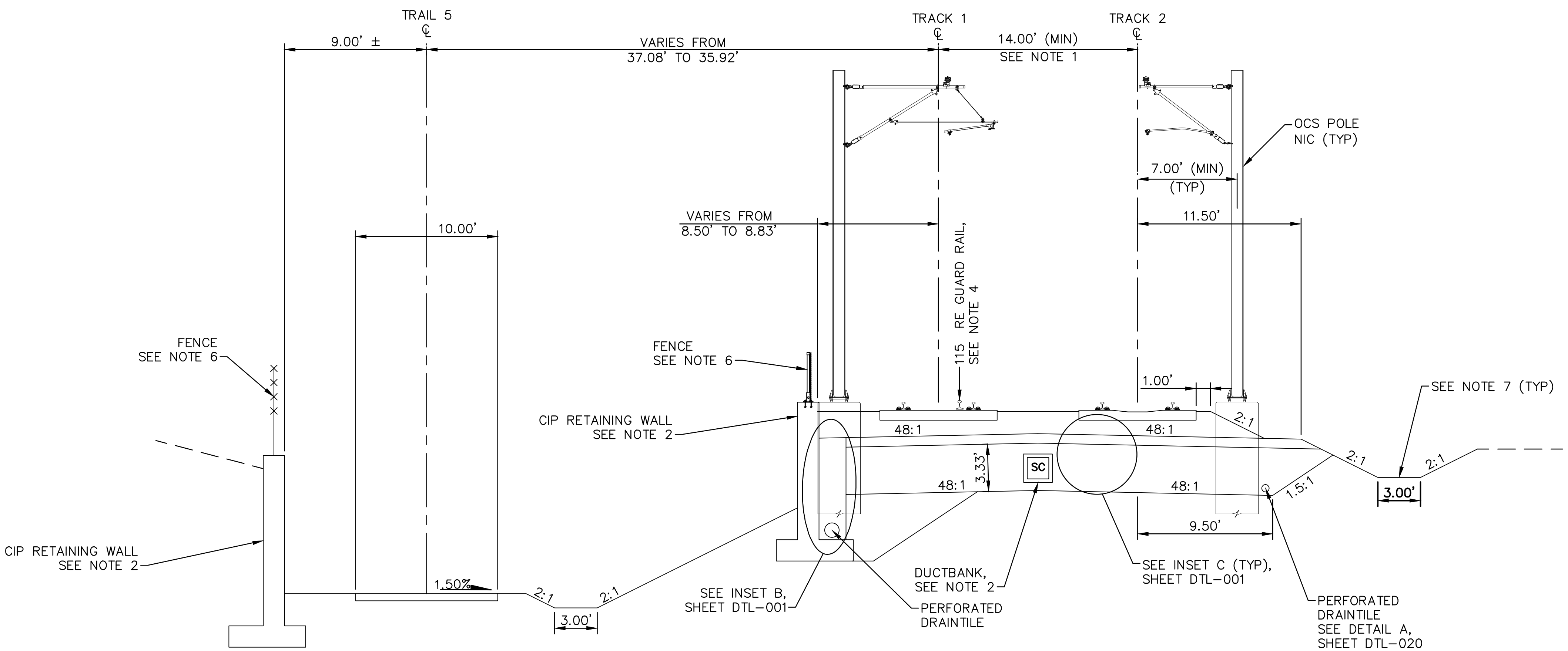
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK
SHEET NAME: W3-TRK-TYP - 011

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-203. SEE TRACK PLANS
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
5. SEE BRIDGE PLANS FOR WING WALL DETAILS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
7. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2349+91.06 TO STA 2350+88.96

0 2.5 5 10
SCALE IN FEET

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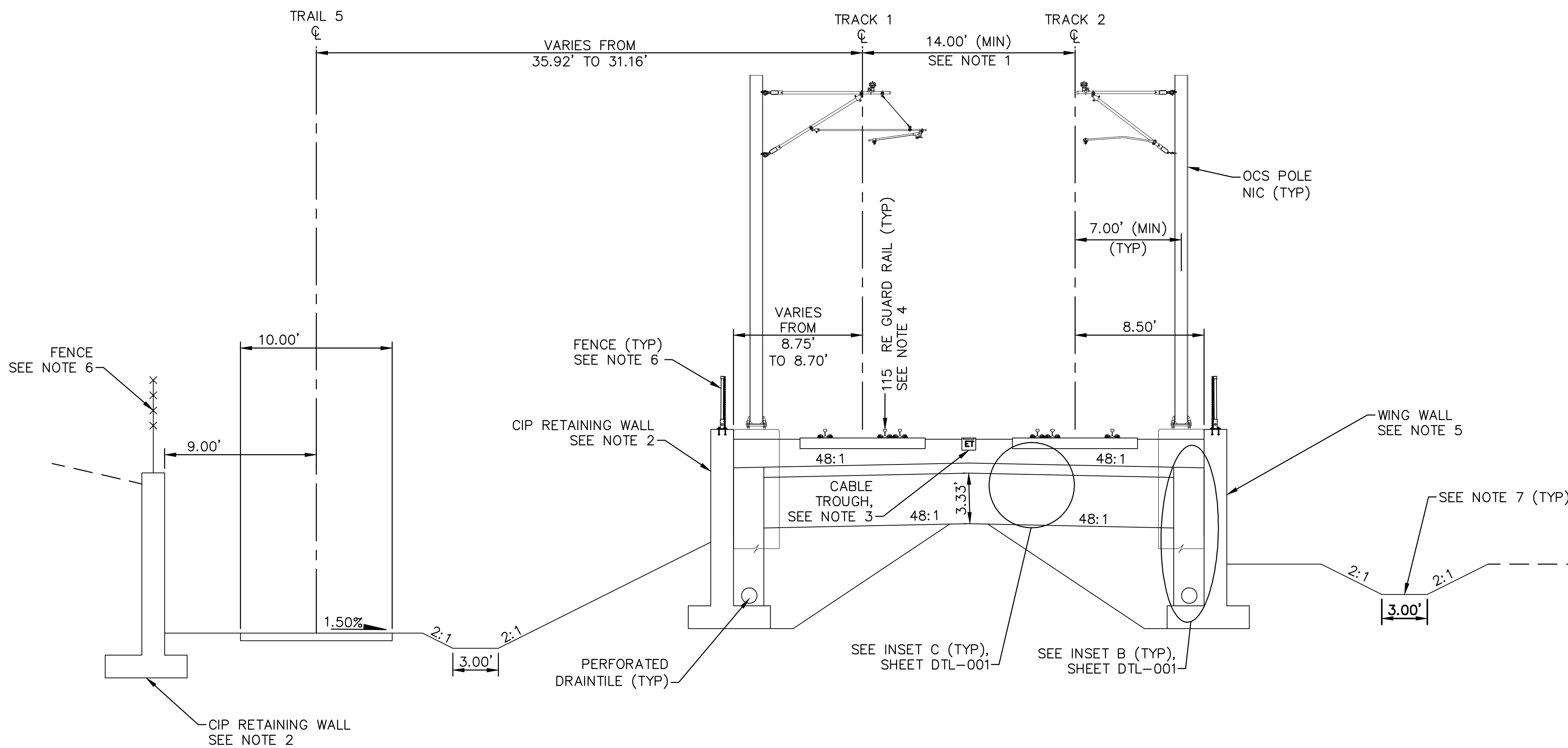
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

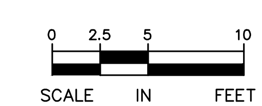
DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 012

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-203. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
5. SEE BRIDGE PLANS FOR WING WALL DETAILS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
7. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2350+88.96 TO STA 2351+15.02



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

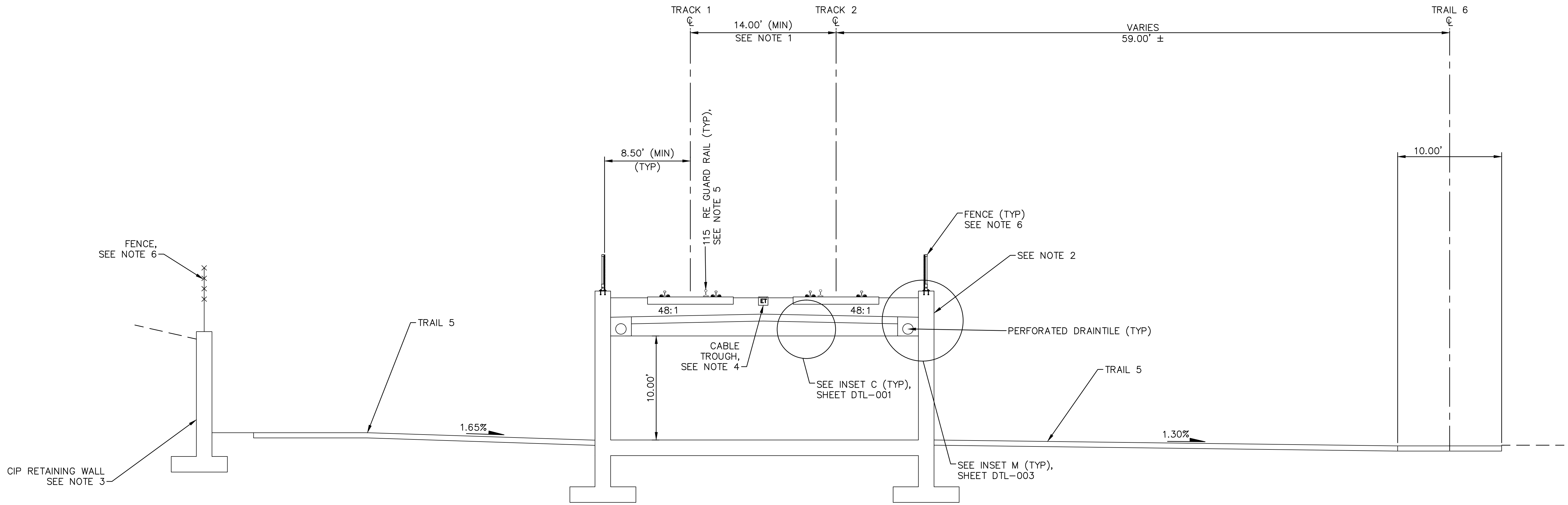
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 013

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-203. SEE TRACK PLANS.
2. MnDOT BRIDGE R0715. SEE STRUCTURAL PLANS.
3. SEE RETAINING WALL PLANS FOR DETAILS.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
5. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2351+15.02 TO STA 2351+35.02

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

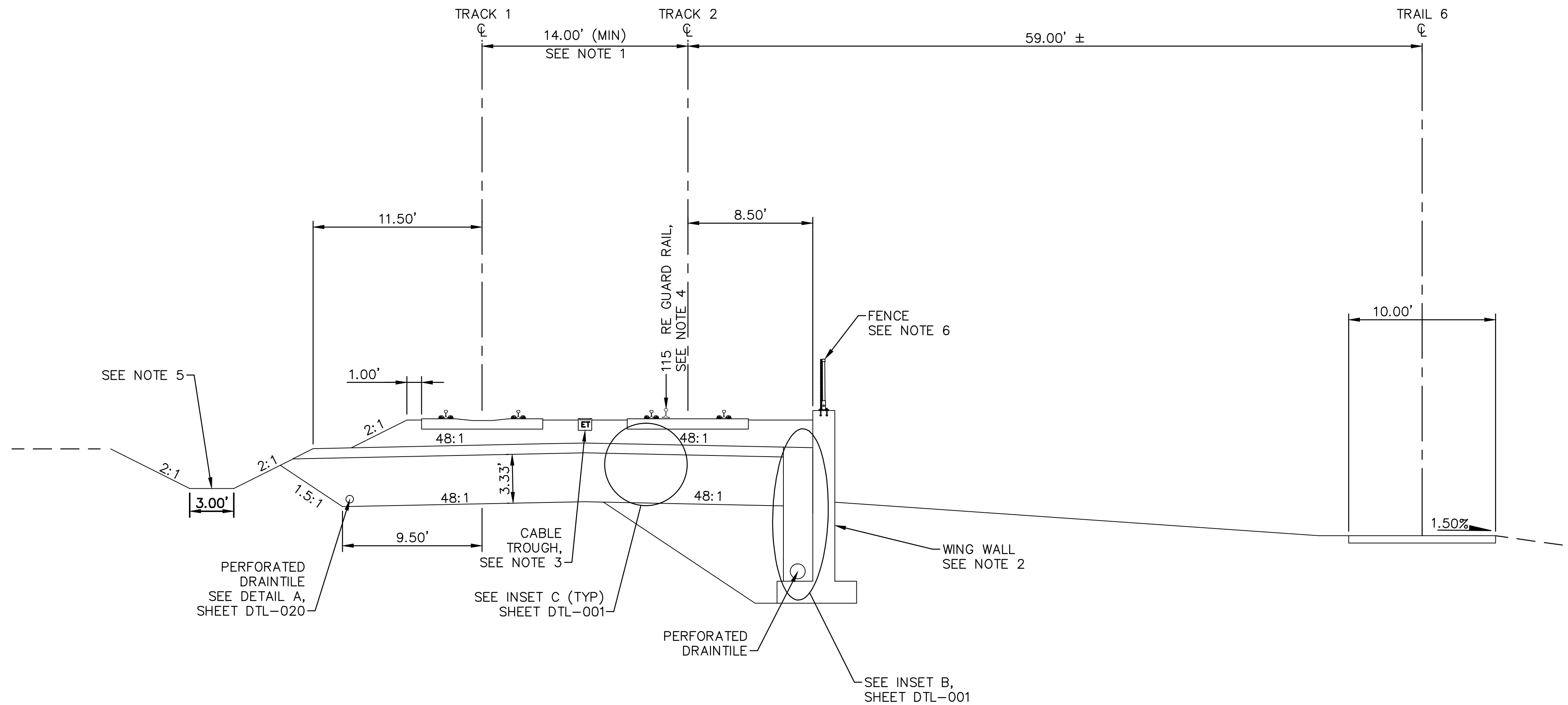
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 014

Jan, 18 2016 08:34 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-TYP.dwg By: V-RaboodV

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-203. SEE TRACK PLANS.
2. SEE BRIDGE PLANS FOR WING WALL DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
5. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2351+35.02 TO STA 2351+61.52

0 2.5 5 10
SCALE IN FEET

Jan, 18 2016 08:34 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-TYP.dwg By: V-RaboodV

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METROPOLITAN COUNCIL

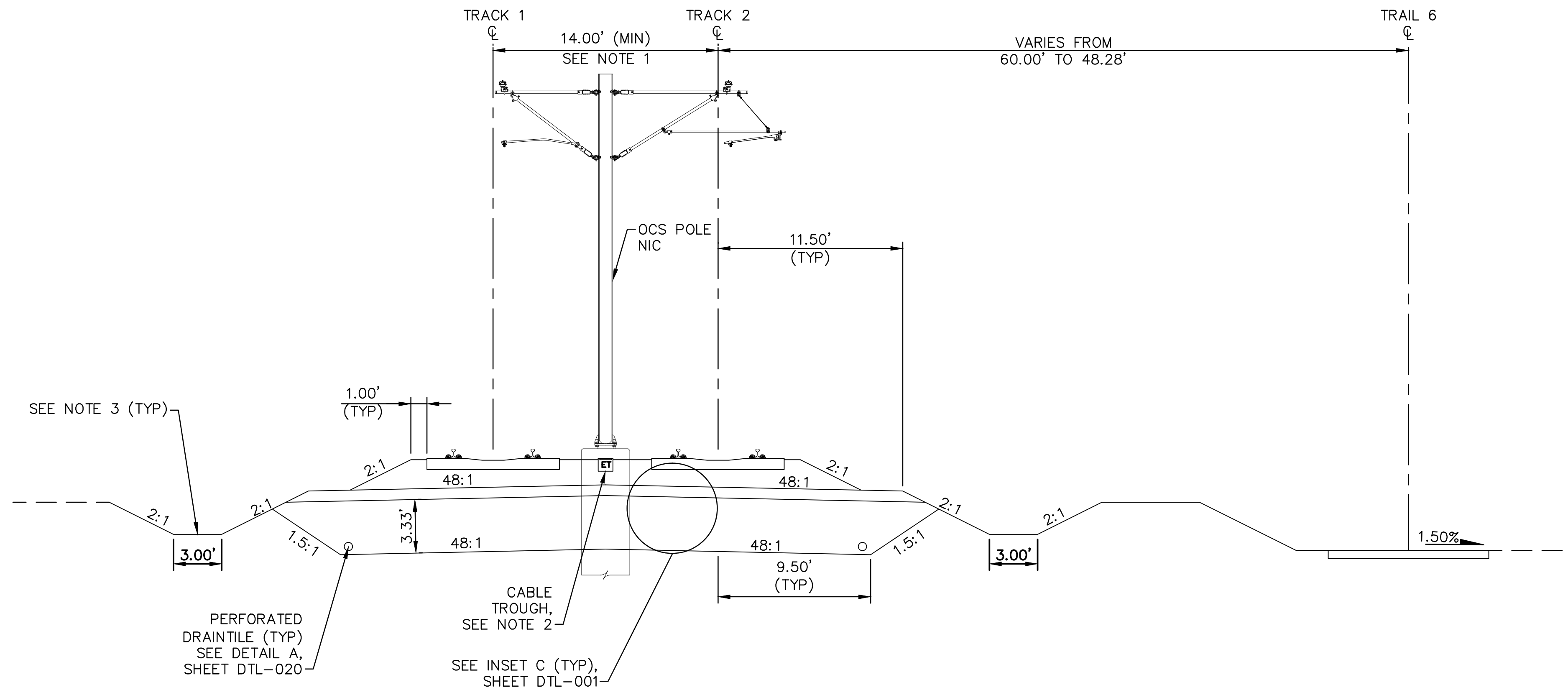
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 015

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-203. SEE TRACK PLANS.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2351+61.52 TO STA 2352+25.00

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

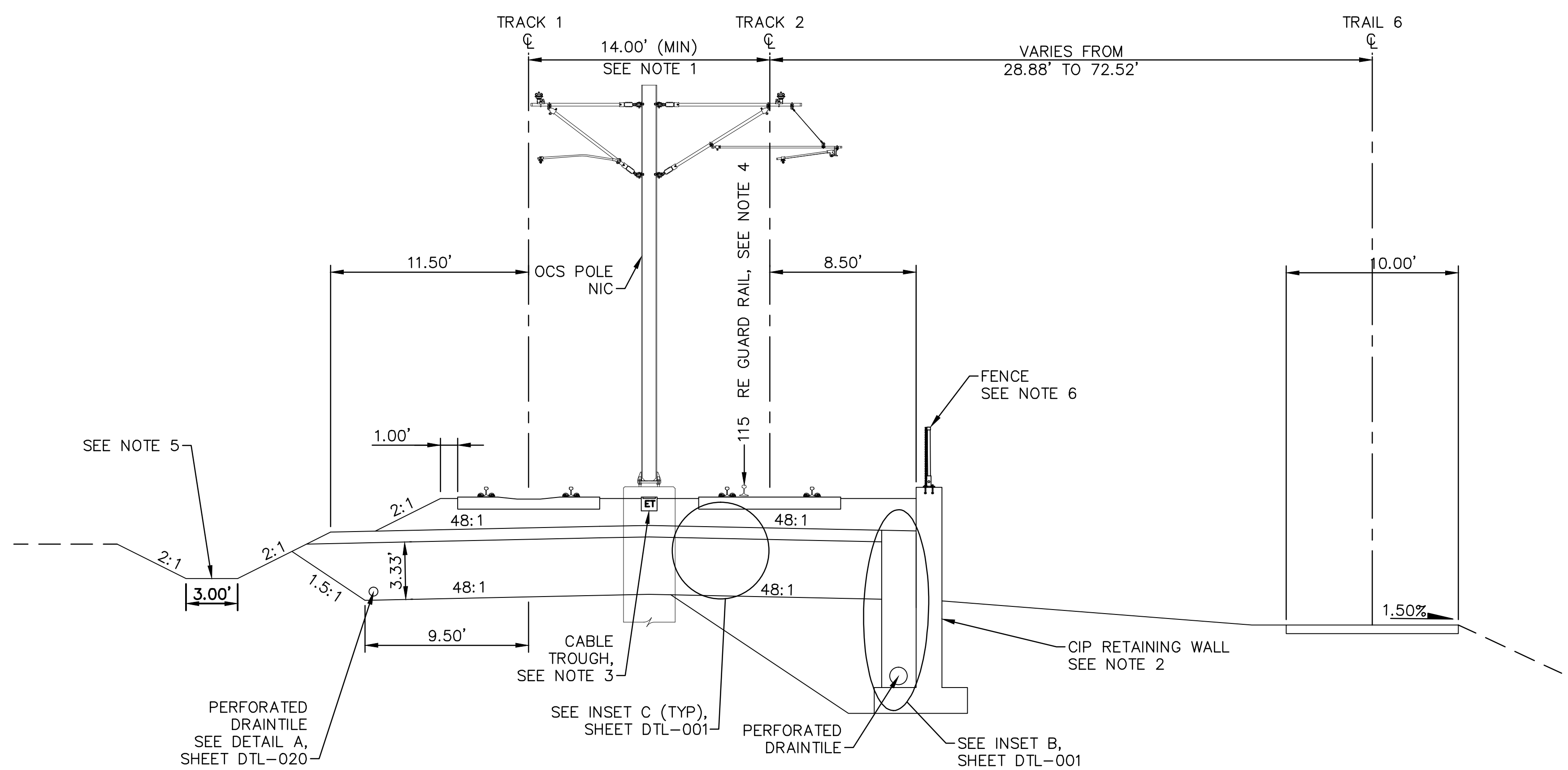
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 016

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-203. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
5. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2352+25.00 TO STA 2358+50.03

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

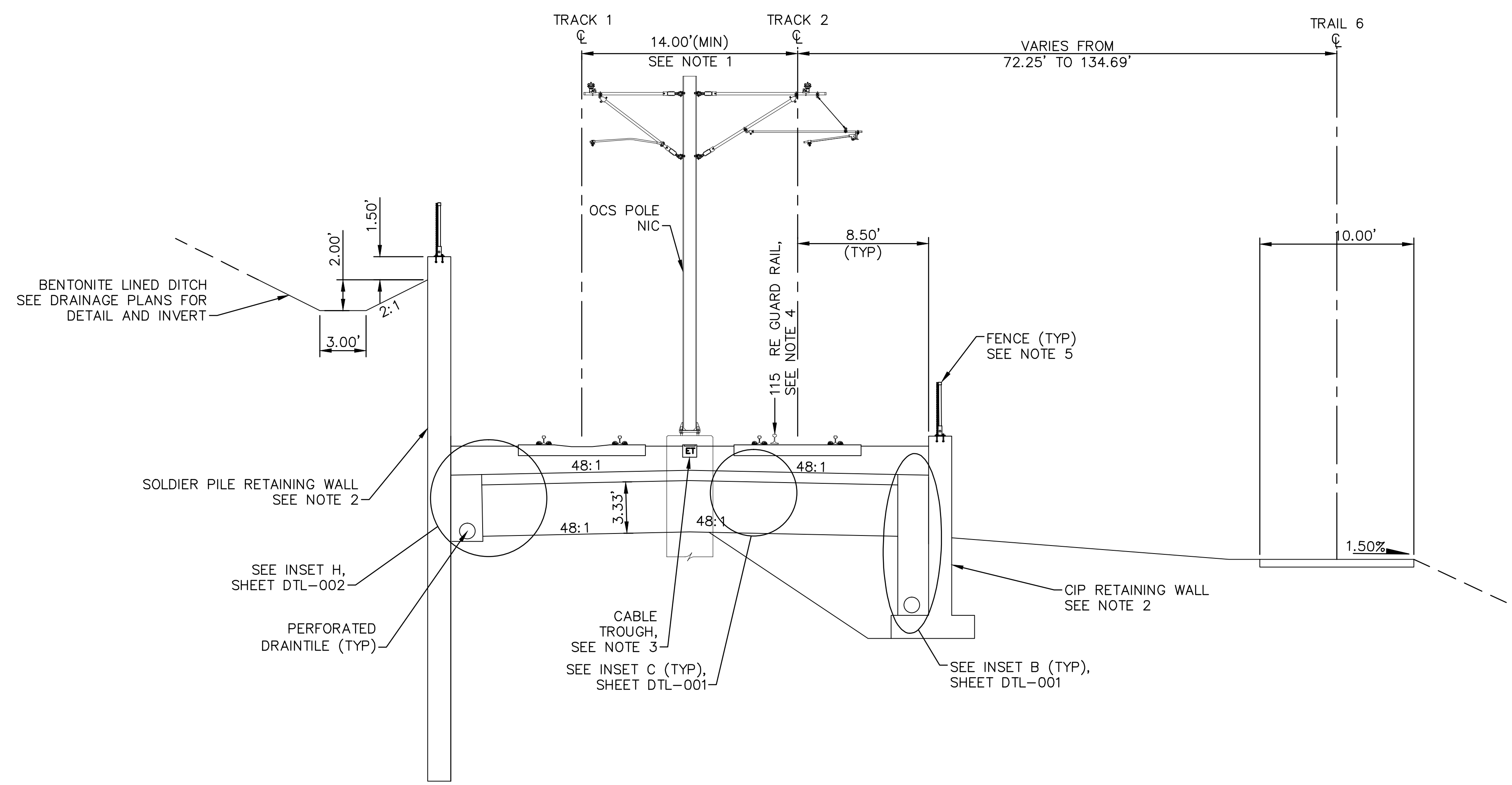
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 017

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-203 SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2358+50.03 TO STA 2360+00.00

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

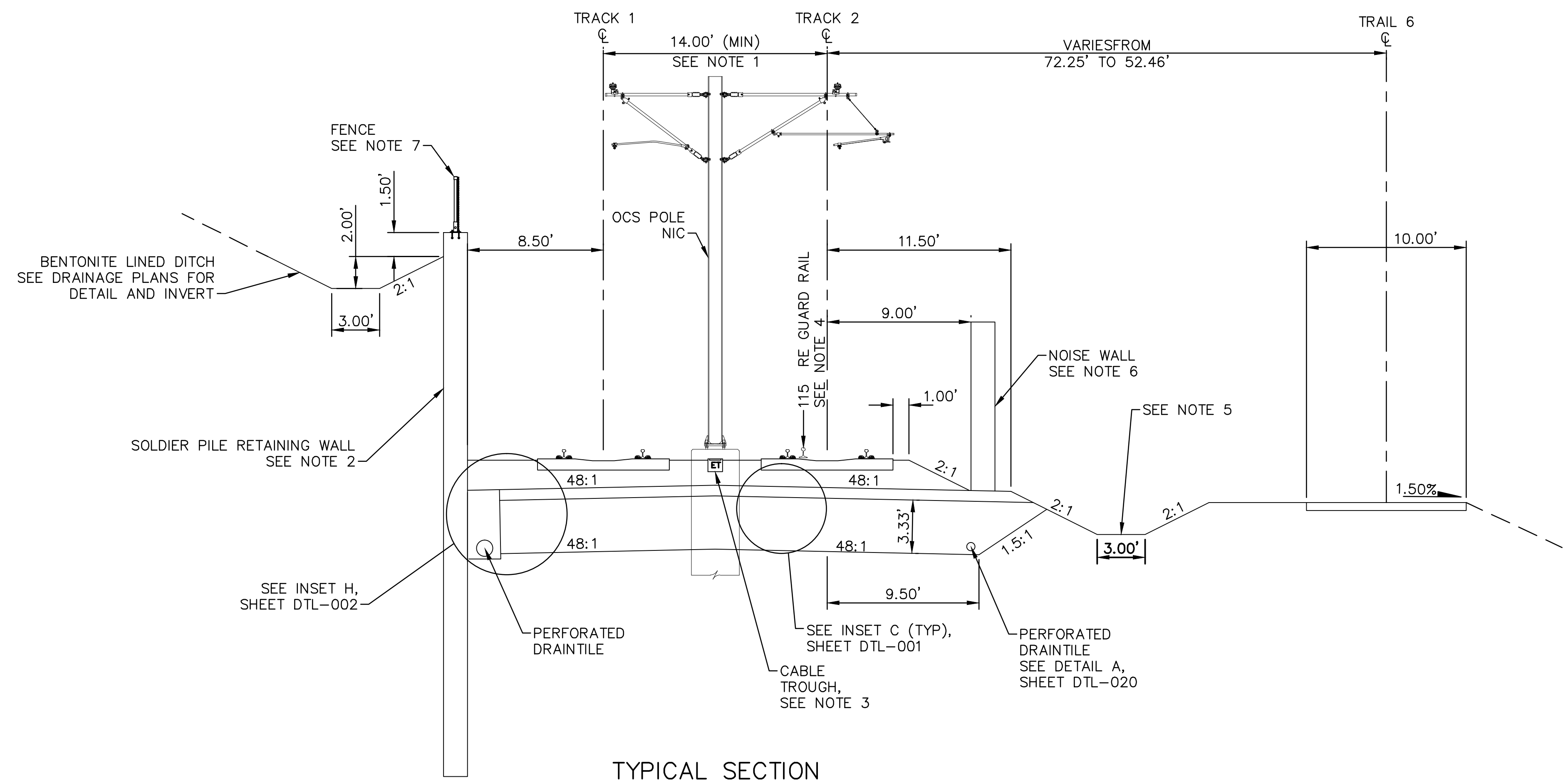
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 018

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-203. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
5. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
6. NOISE WALL BEGINS AT STA 2360+00.00. SEE RETAINING WALL PLANS FOR DETAILS.
7. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2360+00.00 TO STA 2362+00.00

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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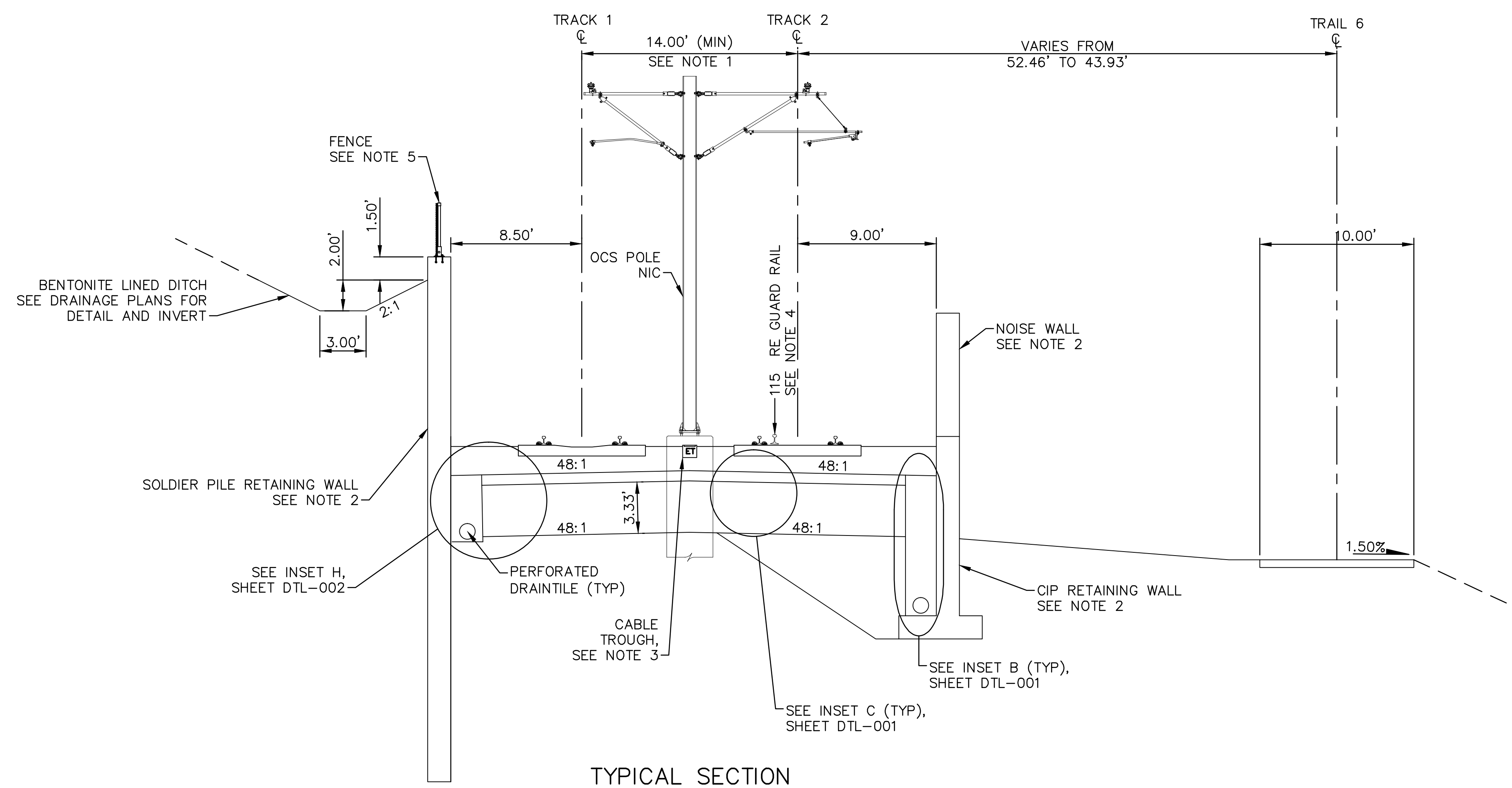
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK
SHEET NAME: W3-TRK-TYP - 019

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-203. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2362+00.00 TO STA 2366+00.00

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

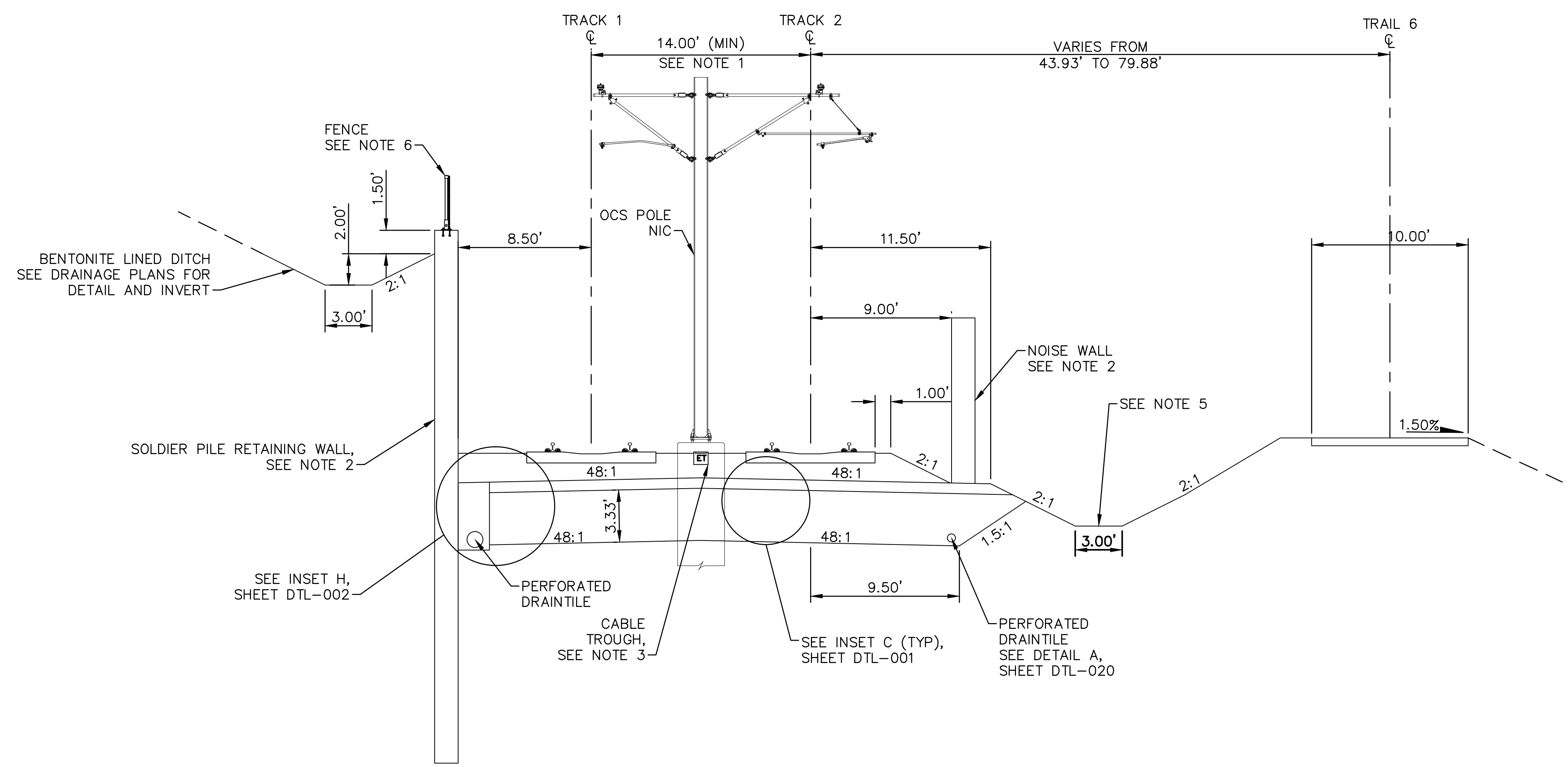
DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 020

SHEET 123 OF 211

Jan, 18 2016 08:35 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-TYP.dwg By: V-RaboodV

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-203. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
5. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2366+00.00 TO STA 2371+80.20

0 2.5 5 10
SCALE IN FEET

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METROPOLITAN COUNCIL

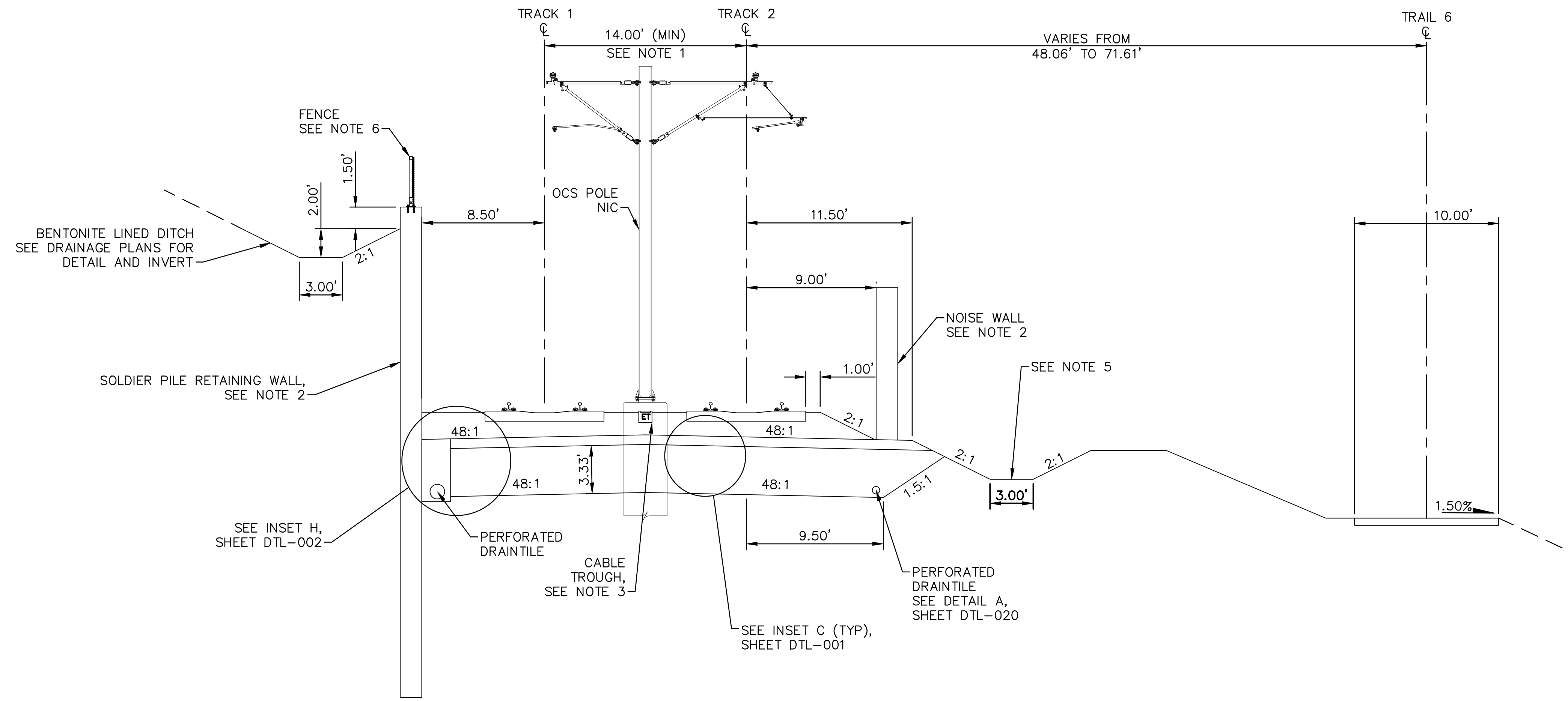
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 021

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-203. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR GUARD RAIL LIMITS SEE TRACK CHARTS.
5. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
6. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2371+80.20 TO STA 2373+36.89

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

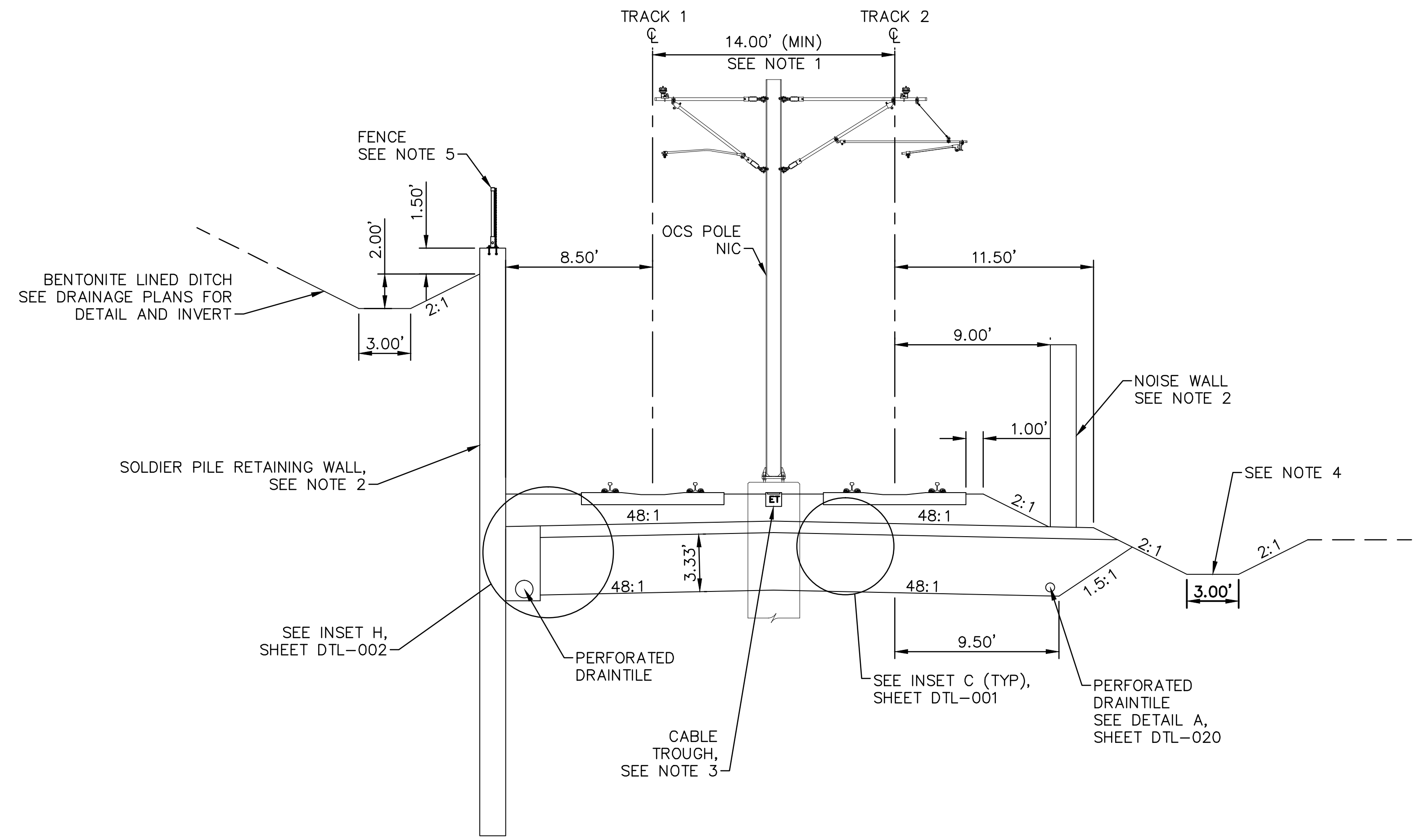
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 022

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-204. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2373+36.89 TO STA 2374+50.00

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

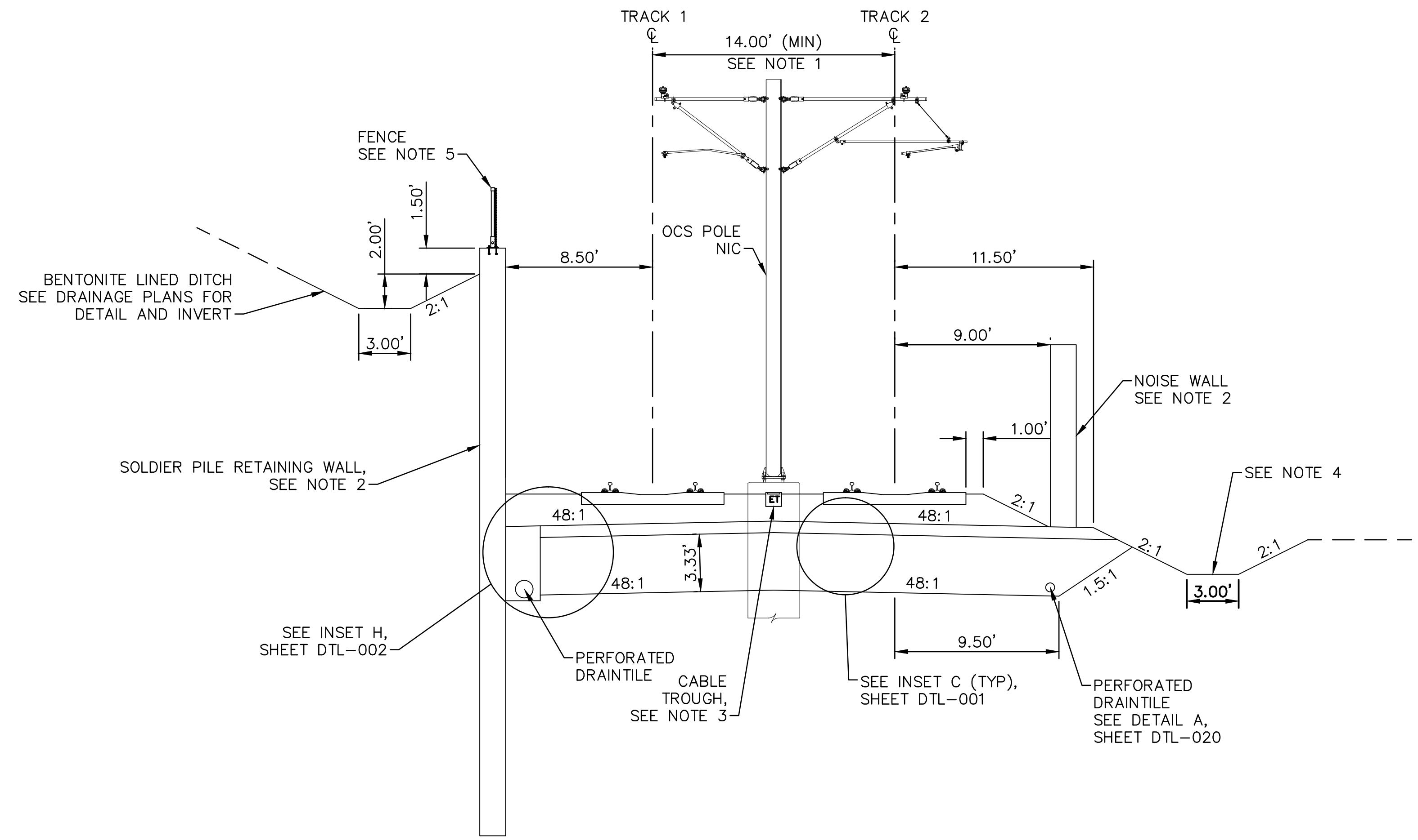
DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 023

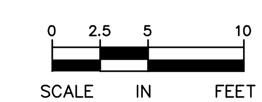
SHEET 126 OF 211

Jan. 18 2016 08:35 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-TYP.dwg By: V-RaboodV

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-204. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2374+50.00 TO STA 2375+50.00



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

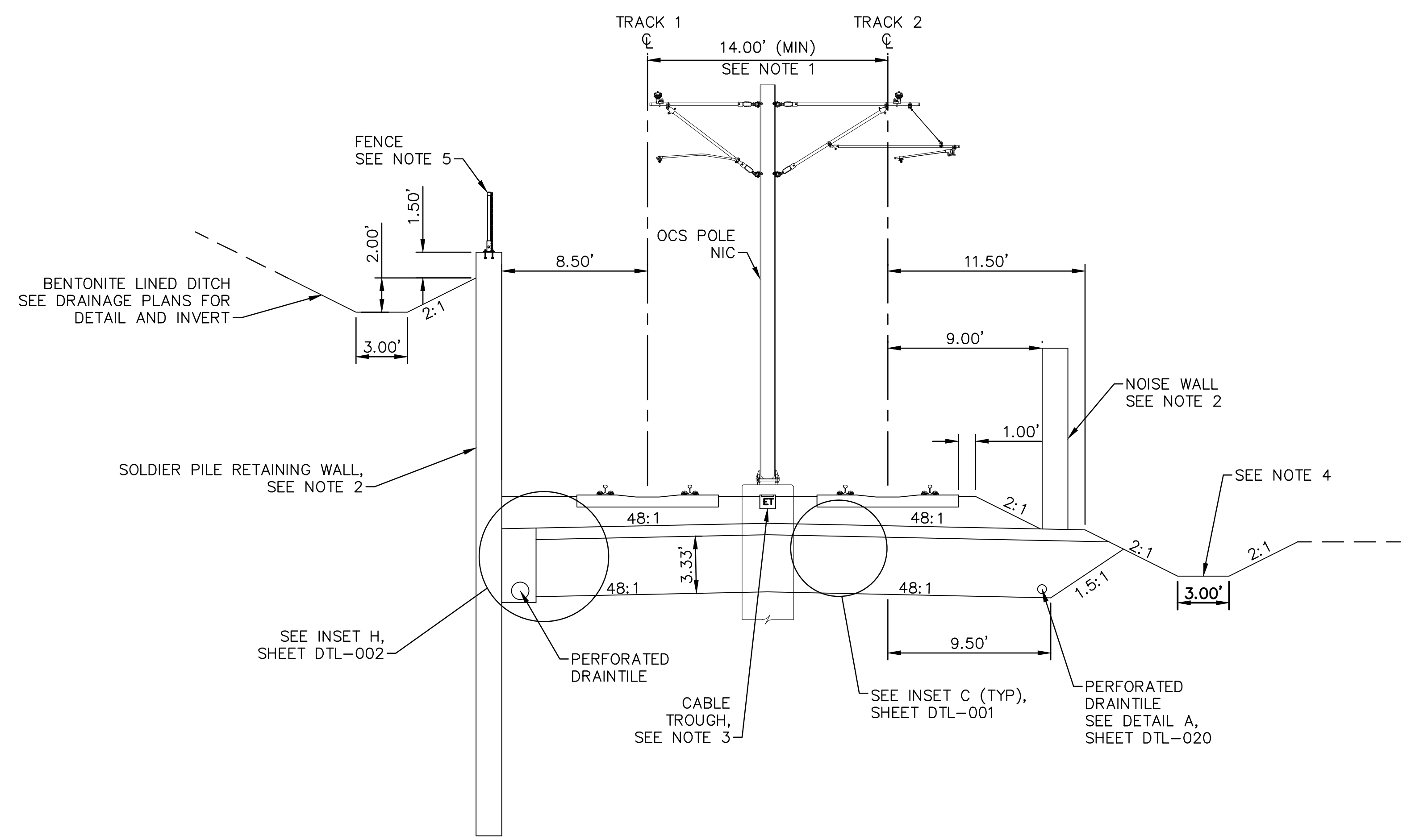
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 024

NOTES:
1. SEE RETAINING WALL PLANS FOR DETAILS.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. TRACK CENTERS VARY IN CURVE W3-204. SEE TRACK PLANS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2375+50.00 TO STA 2376+36.89

0 2.5 5 10
SCALE IN FEET

Jan, 18 2016 08:36 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-TYP.dwg By: V-RaboodV

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AECOM

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METROPOLITAN COUNCIL

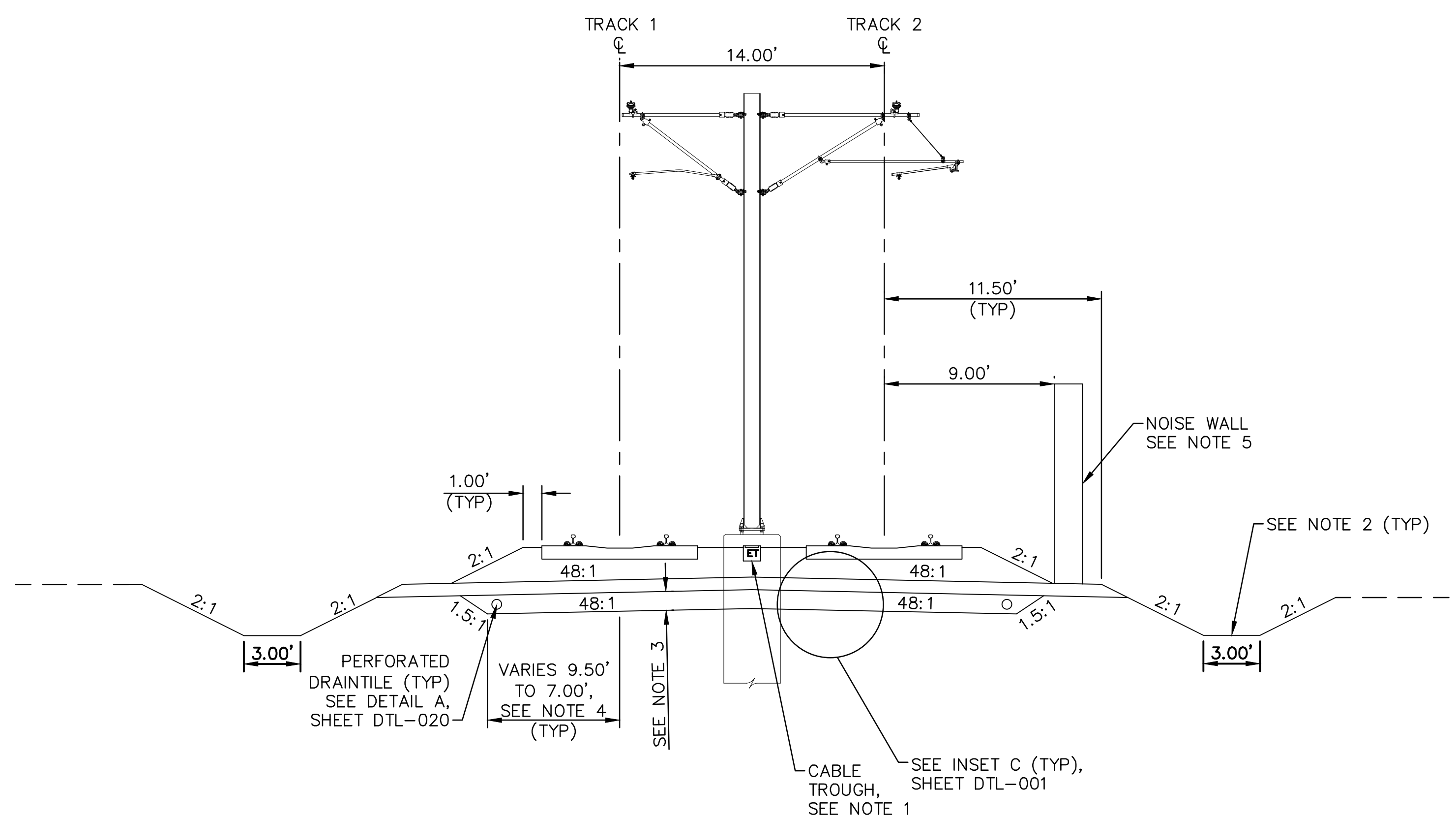
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 025

NOTES:
1. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
2. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
3. SELECT GRANULAR DEPTH:
   STA 2376+36.89: 3.33';
   STA 2376+83.56 TO STA 2379+16.61: 1.00'.
   TRANSITION LINEARLY BETWEEN STA 2376+36.89 AND STA 2376+83.56.
4. TRANSITION FROM 9.50' TO 7.00' BETWEEN STA 2376+36.89 AND STA 2376+83.56.
5. SEE RETAINING WALL PLANS FOR DETAILS.



TYPICAL SECTION
STA 2376+36.89 TO STA 2377+38.59

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

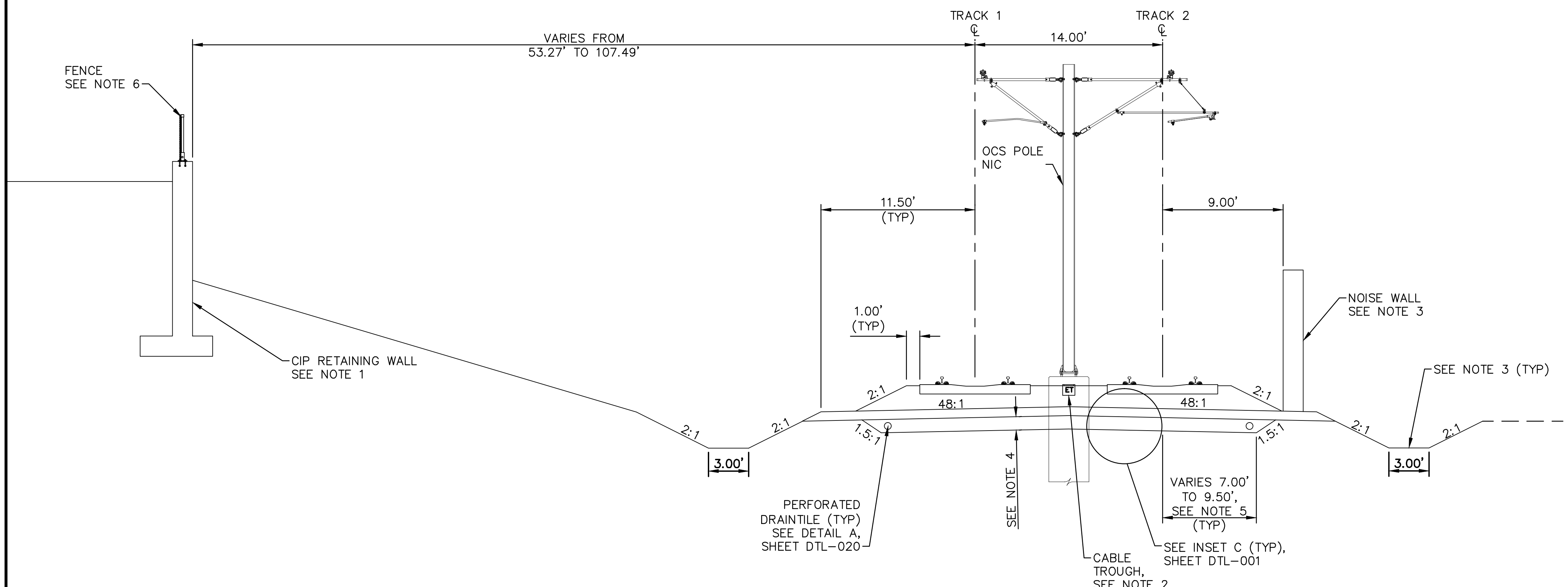
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 026

NOTES:
1. SEE RETAINING WALL PLANS FOR DETAILS.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
4. SELECT GRANULAR DEPTH:
   STA 2377+38.63 TO STA 2378+53.33: 1.00';
   STA 2379+00.00 TO STA 2379+16.61: 3.33'.
   TRANSITION LINEARLY BETWEEN STA 2378+53.33 AND STA 2379+00.00.
5. TRANSITION FROM 7.00' TO 9.50' BETWEEN STA 2378+53.33 AND STA 2379+00.00.
6. NOISE WALL ENDS AT STA 2378+00.00. SEE RETAINING WALL PLANS FOR DETAILS.
7. SEE SYSTEMS PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2377+38.59 TO STA 2379+16.61

0 2.5 5 10
SCALE IN FEET

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AECOM

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METROPOLITAN COUNCIL

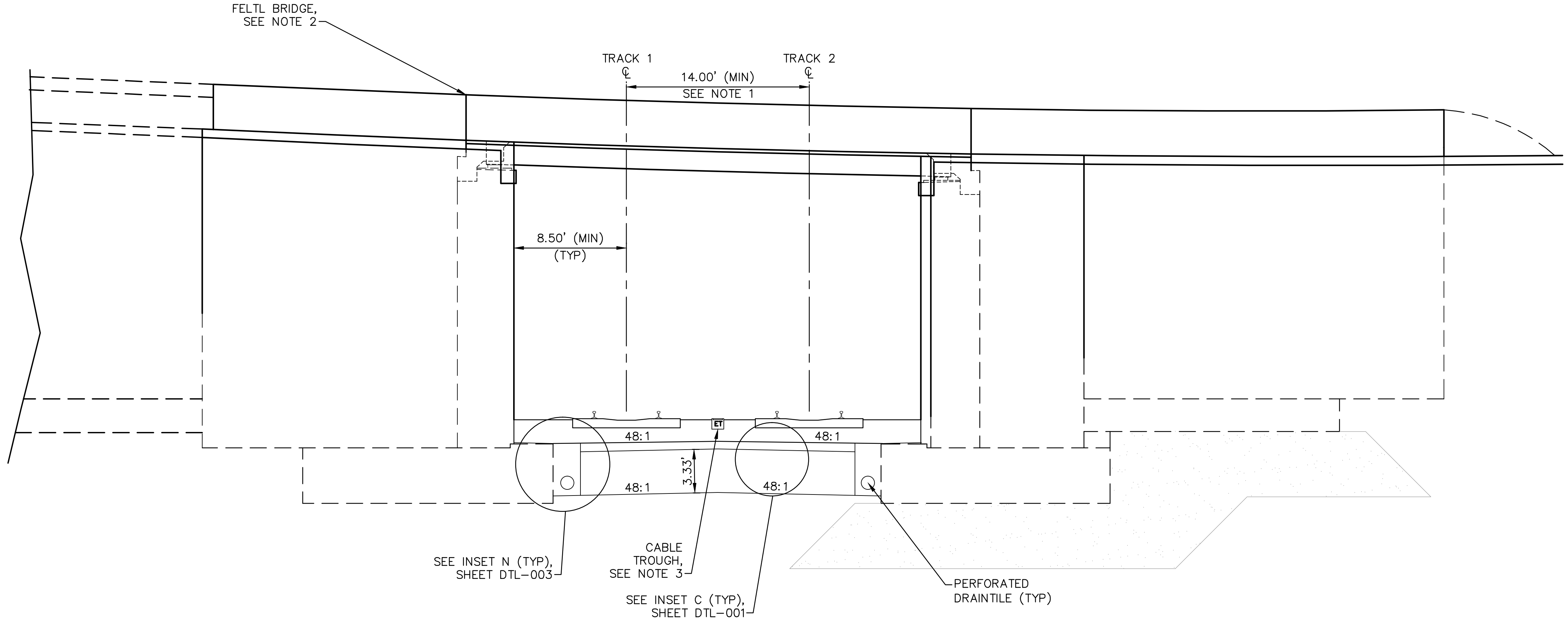
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 027

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-205. SEE TRACK PLANS.
2. MnDOT BRIDGE 27C08. SEE STRUCTURAL PLANS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2379+16.61 TO STA 2379+68.64

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

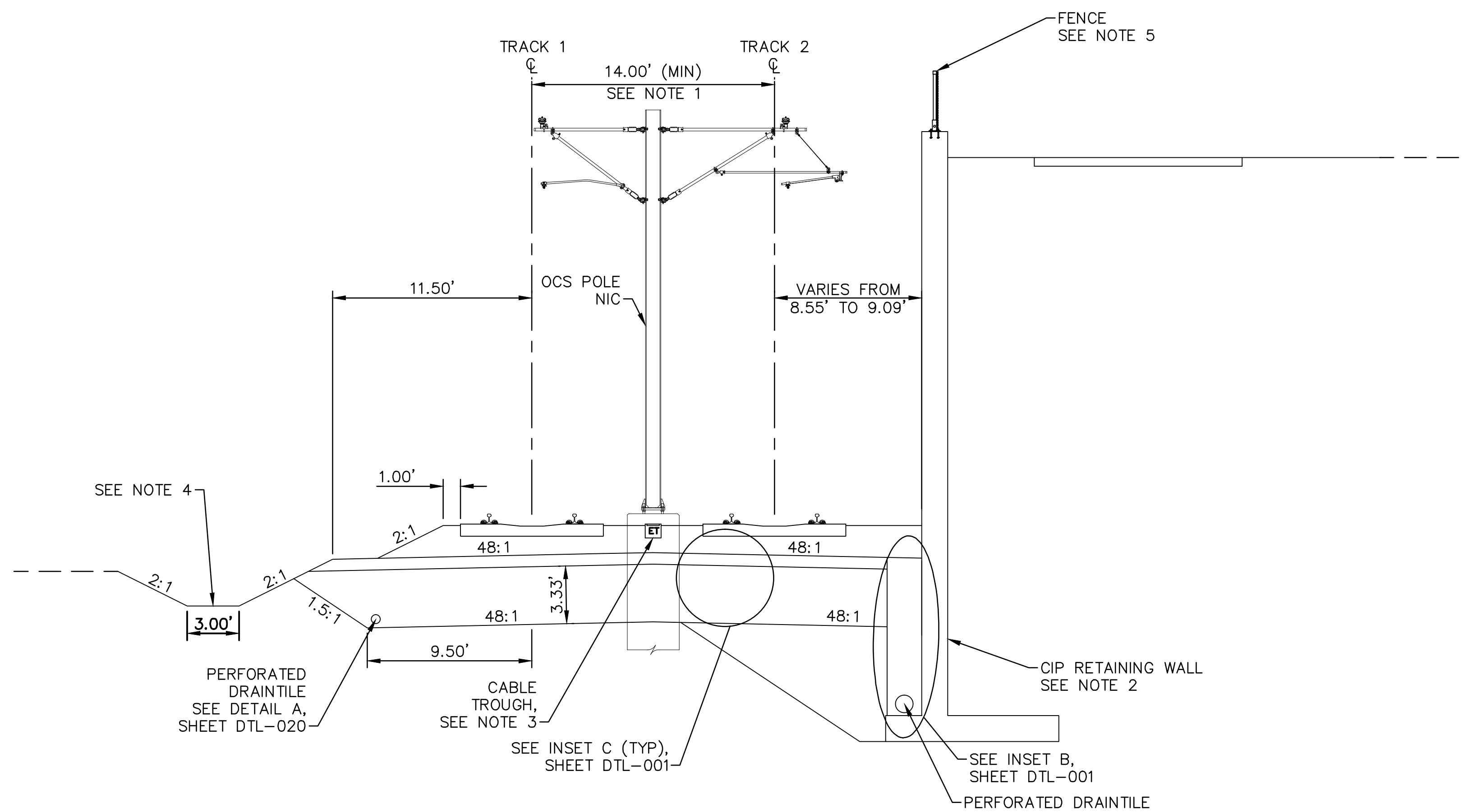
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 028

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-205. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION

STA 2379+68.64 TO STA 2380+60.35

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

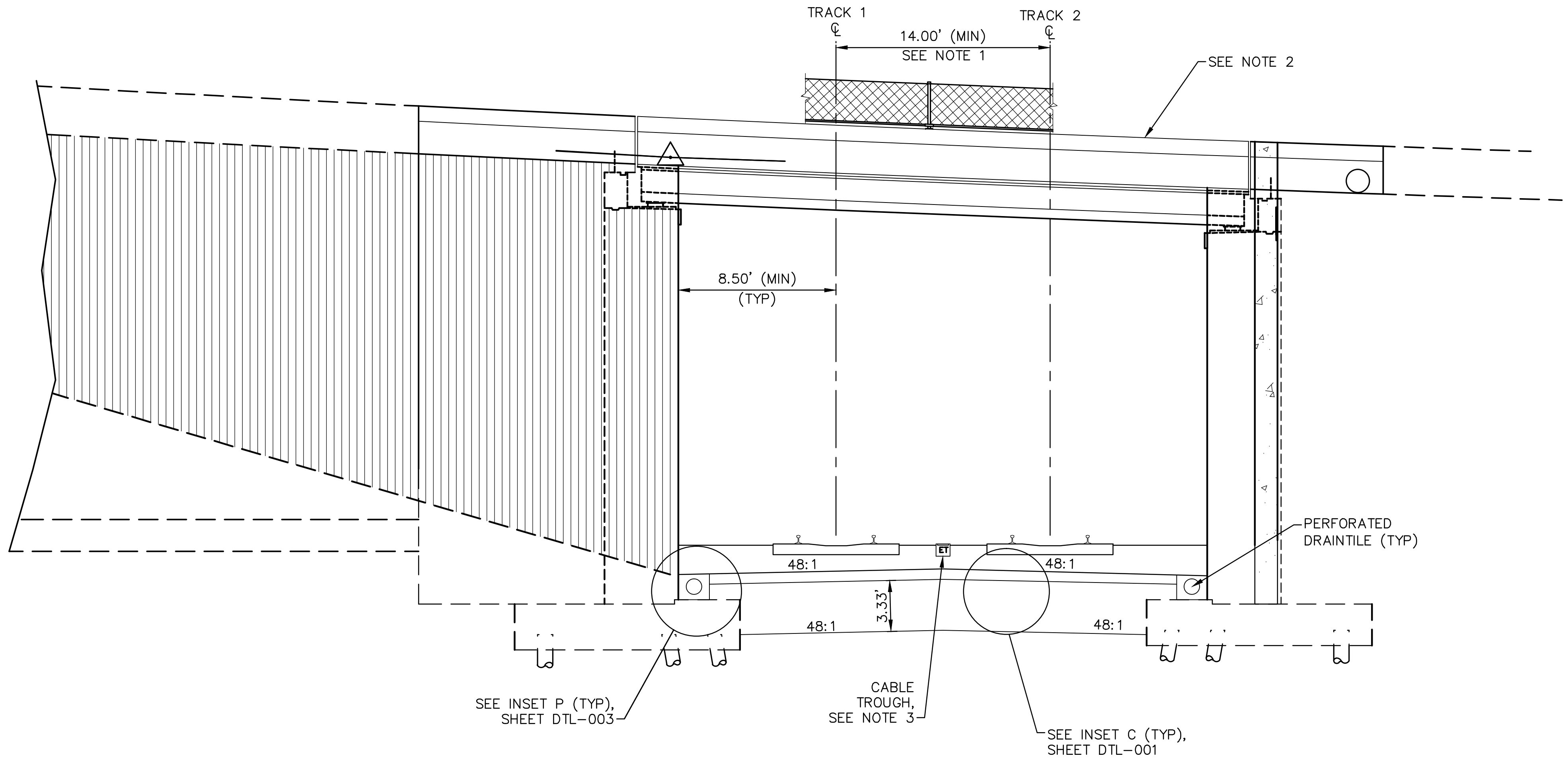
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 029

SHEET 132 OF 211

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-205. SEE TRACK PLANS.
2. MnDOT BRIDGE 27C08. SEE STRUCTURAL PLANS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2380+60.35 TO STA 2381+55.10

0 2.5 5 10
SCALE IN FEET

Jan. 18 2016 08:36 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-TYP.dwg By: V-RaboodV

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

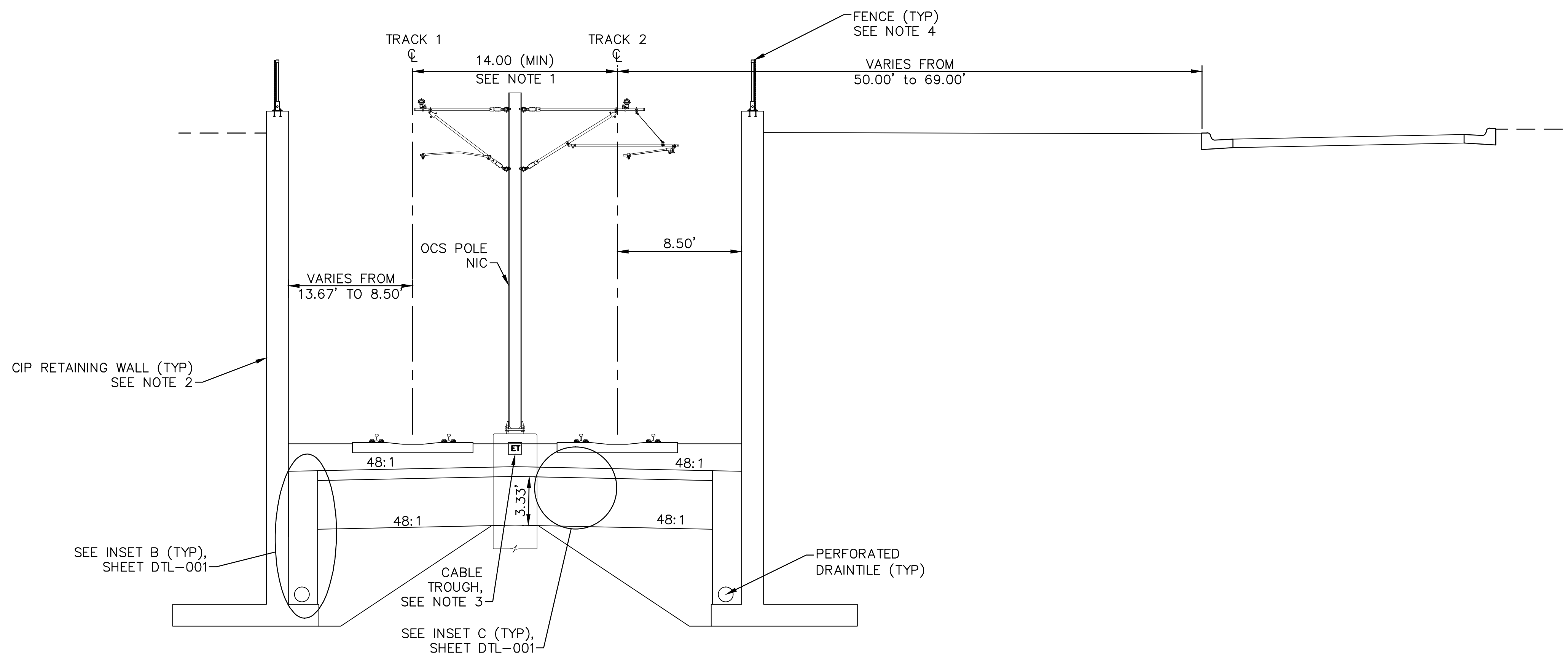
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 030

SHEET 133 OF 211

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-205. SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2381+55.10 TO STA 2382+86.36

0 2.5 5 10
SCALE IN FEET

Jan, 18 2016 08:37 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-TYP.dwg By: V-RaboodV

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METROPOLITAN COUNCIL

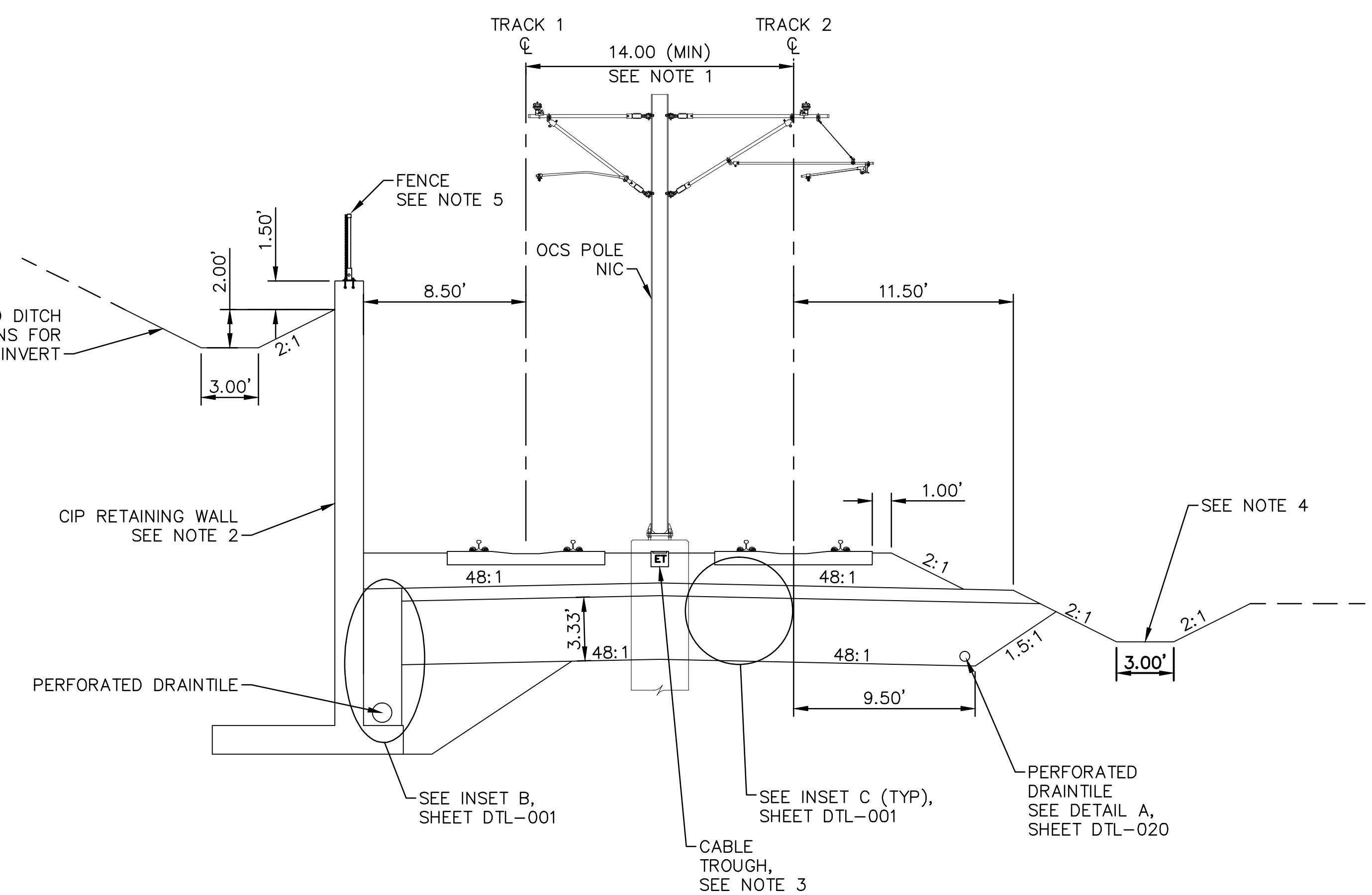
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 031

NOTES:
1. TRACK CENTERS IN CURVE W3-205, SEE TRACK PLANS.
2. SEE RETAINING WALL PLANS FOR DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
5. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION

STA 2382+86.36 TO STA 2384+15.89

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

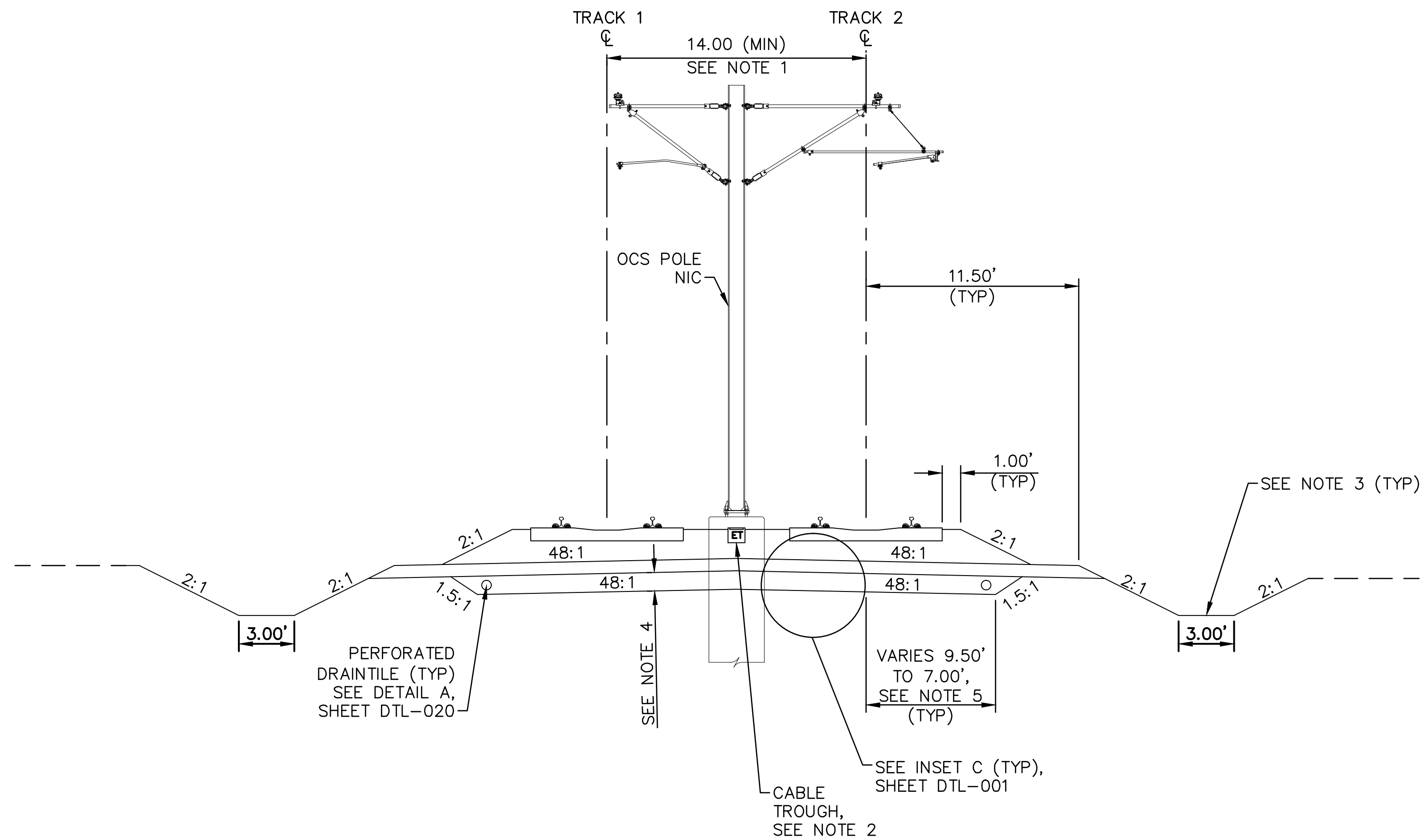
DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 032

SHEET 135 OF 211

Jan, 18 2016 08:37 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-TYP.dwg By: V-RaboodV

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-205. SEE TRACK PLANS.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
4. SELECT GRANULAR DEPTH:
   STA 2384+15.89: 3.33';
   STA 2384+62.56 TO STA 2384+91.88: 1.00'.
   TRANSITION LINEARLY BETWEEN STA 2384+15.89 AND STA 2384+62.56.
5. TRANSITION FROM 9.50' TO 7.00' BETWEEN STA 2384+15.89 AND STA 2384+62.56.



TYPICAL SECTION
STA 2384+15.89 TO STA 2384+91.88

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

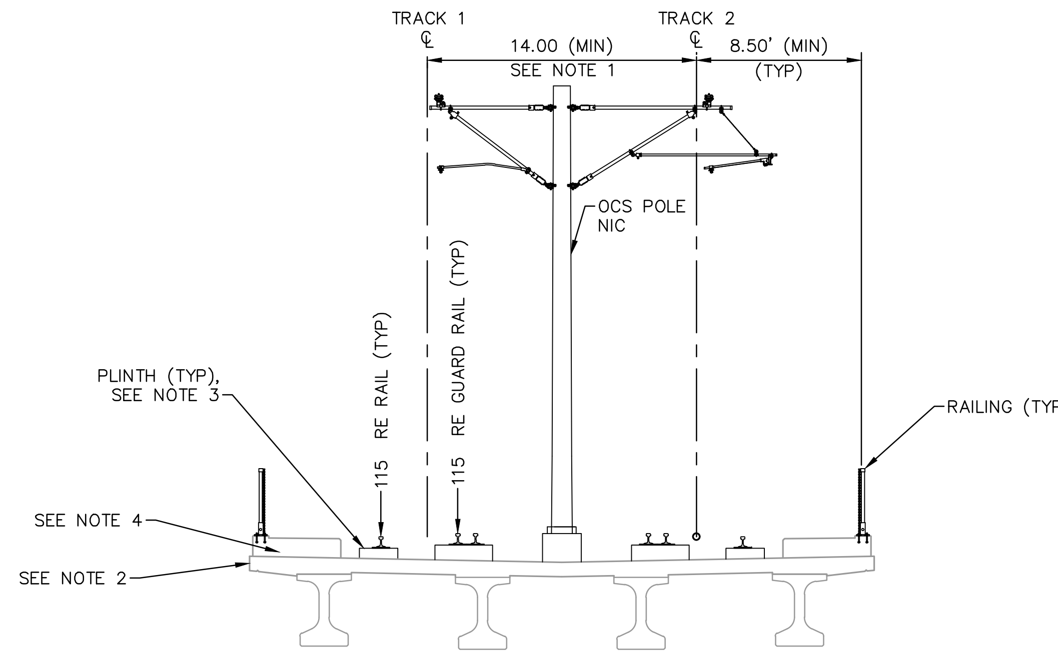
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 033

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-205, SEE TRACK PLANS.
2. MnDOT BRIDGE R0686. SEE STRUCTURAL PLANS.
3. SEE TRACK DETAILS FOR PLINTH LAYOUT.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2384+91.88 TO STA 2390+94.63

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

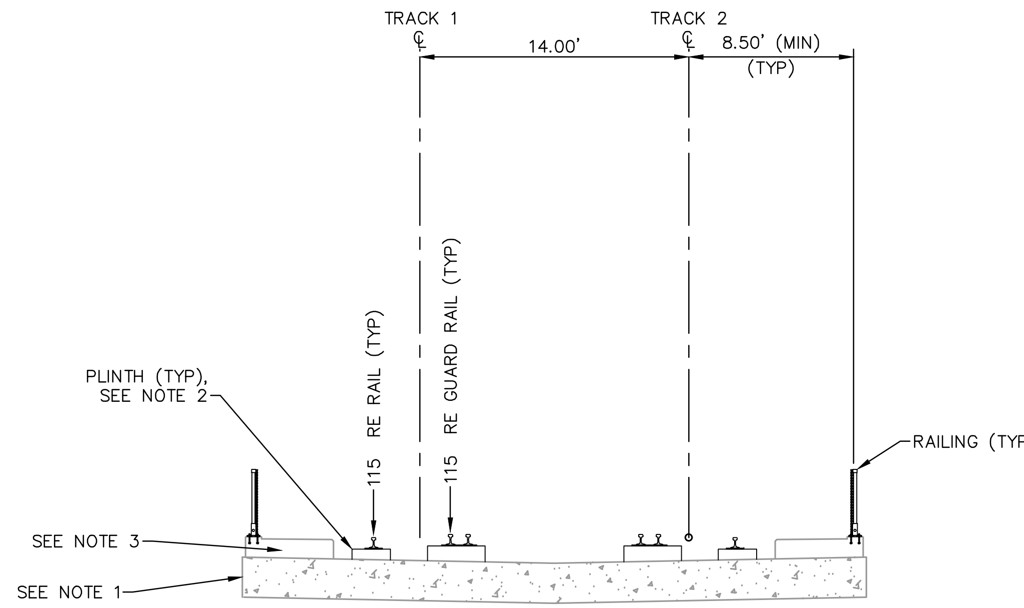
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 034

Jan. 18 2016 08:37 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-TYP.dwg By: V-RaboodV

NOTES:
1. MnDOT BRIDGE R0686. SEE STRUCTURAL PLANS.
2. SEE TRACK DETAILS FOR PLINTH LAYOUT.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2390+94.63 TO STA 2391+94.63

0 2.5 5 10
SCALE IN FEET

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

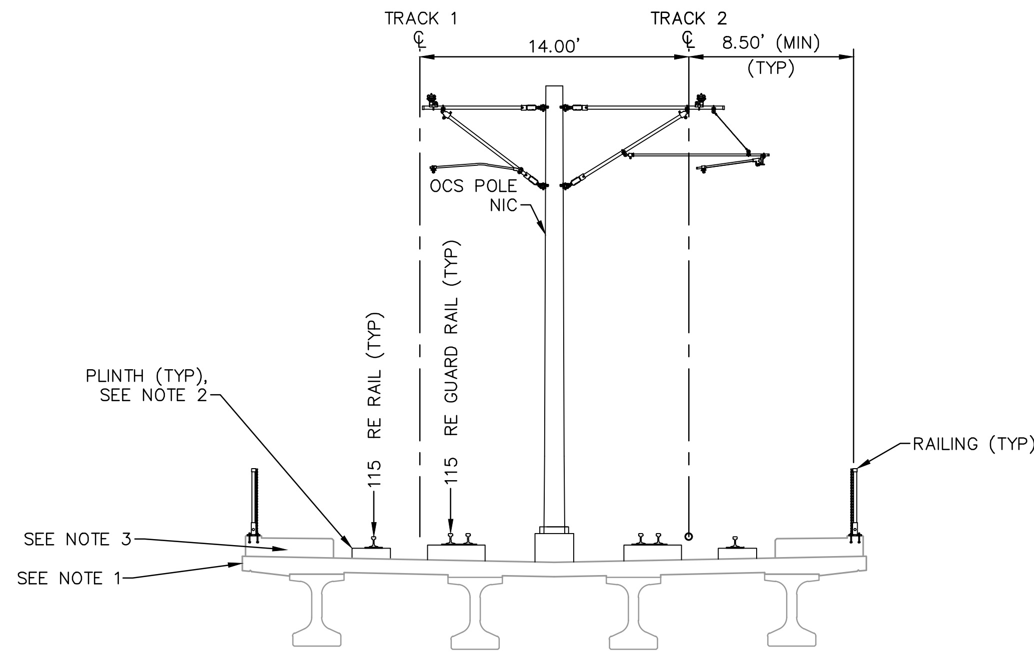
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 035

SHEET 138 OF 211

NOTES:
1. MnDOT BRIDGE R0686. SEE STRUCTURAL PLANS.
2. SEE TRACK DETAILS FOR PLINTH LAYOUT.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2391+94.63 TO STA 2395+94.63

0 2.5 5 10
SCALE IN FEET

Jan, 18 2016 08:37 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-TYP.dwg By: V-RaboodV

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

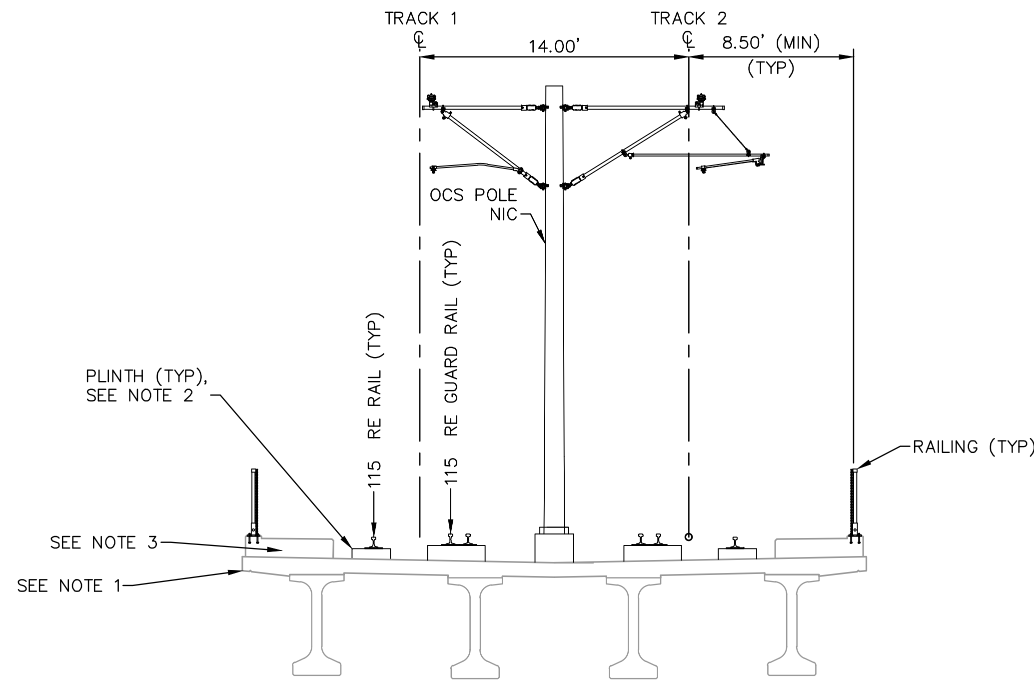
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 036

SHEET 139 OF 211

NOTES:
1. MnDOT BRIDGE R0686. SEE STRUCTURAL PLANS.
2. SEE TRACK DETAILS FOR PLINTH LAYOUT.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2395+94.63 TO STA 2403+44.63

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

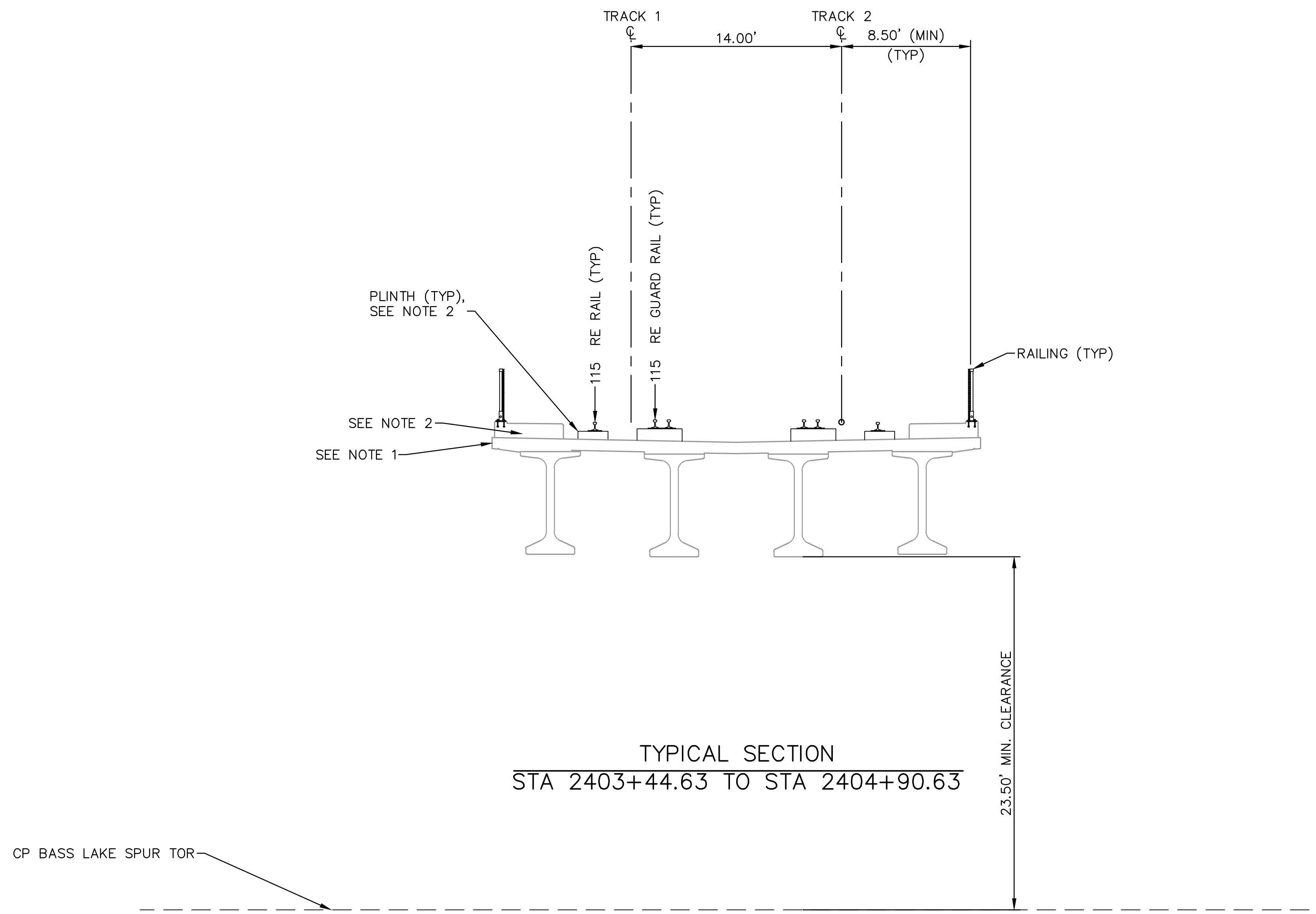
DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 037

SHEET 140 OF 211

Jan, 18 2016 08:38 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-TYP.dwg By: V-RaboodV

NOTES:
1. MnDOT BRIDGE R0686. SEE STRUCTURAL PLANS.SEE TRACK DETAILS FOR PLINTH LAYOUT.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2403+44.63 TO STA 2404+90.63

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

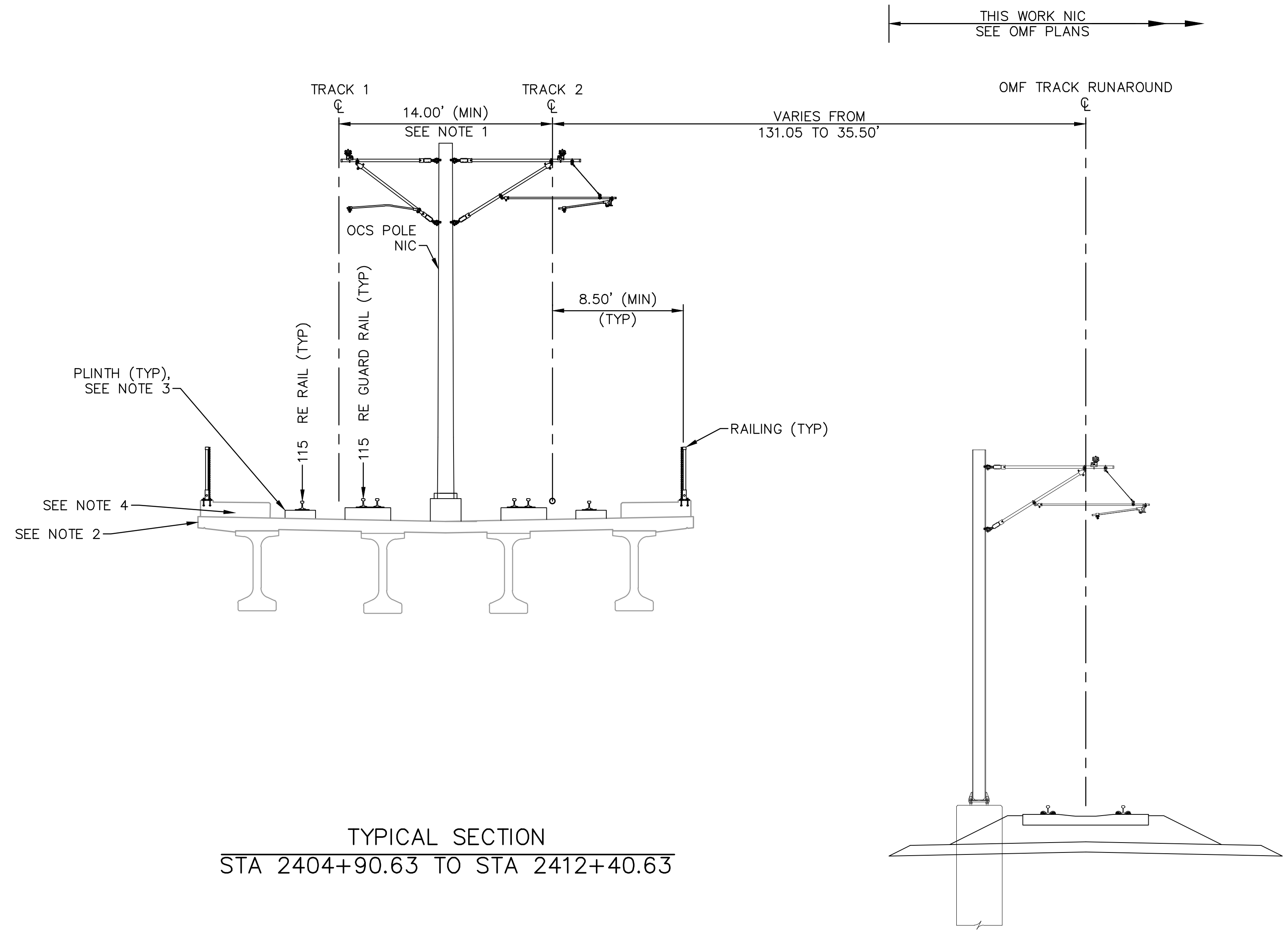
DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 038

SHEET 141 OF 211

Jan, 18 2016 08:38 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-TYP.dwg By: V-RaboodV

NOTES:
1. TRACK CENTERS VARY IN CURVE W3-206, SEE TRACK PLANS.
2. MnDOT BRIDGE R0686. SEE STRUCTURAL PLANS.
3. SEE TRACK DETAILS FOR PLINTH LAYOUT.
4. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2404+90.63 TO STA 2412+40.63

0 2.5 5 10
SCALE IN FEET

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

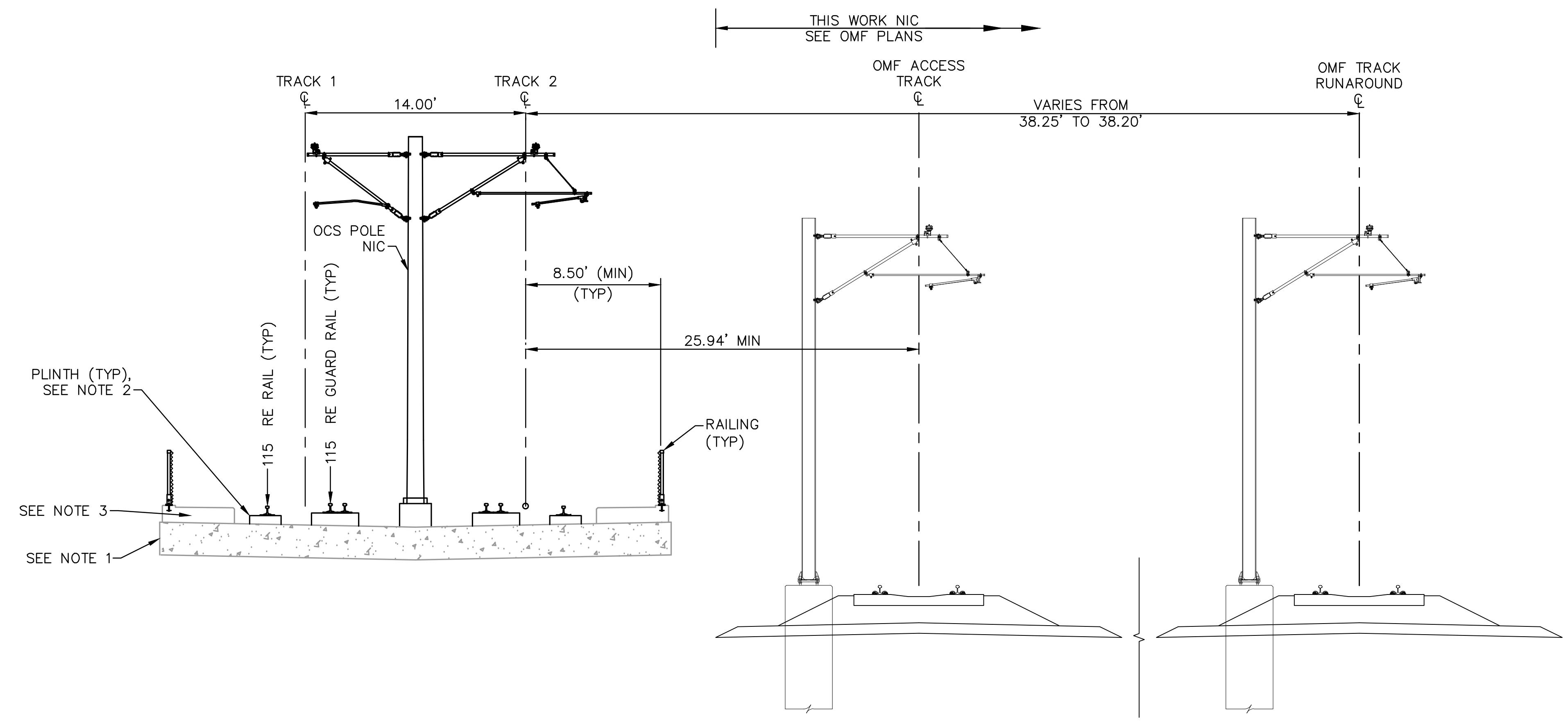
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 039

NOTES:
1. MnDOT BRIDGE R0686. SEE STRUCTURAL PLANS.
2. SEE TRACK DETAILS FOR PLINTH LAYOUT.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.



TYPICAL SECTION
STA 2412+40.63 TO STA 2414+91.63

0 2.5 5 10
SCALE IN FEET

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

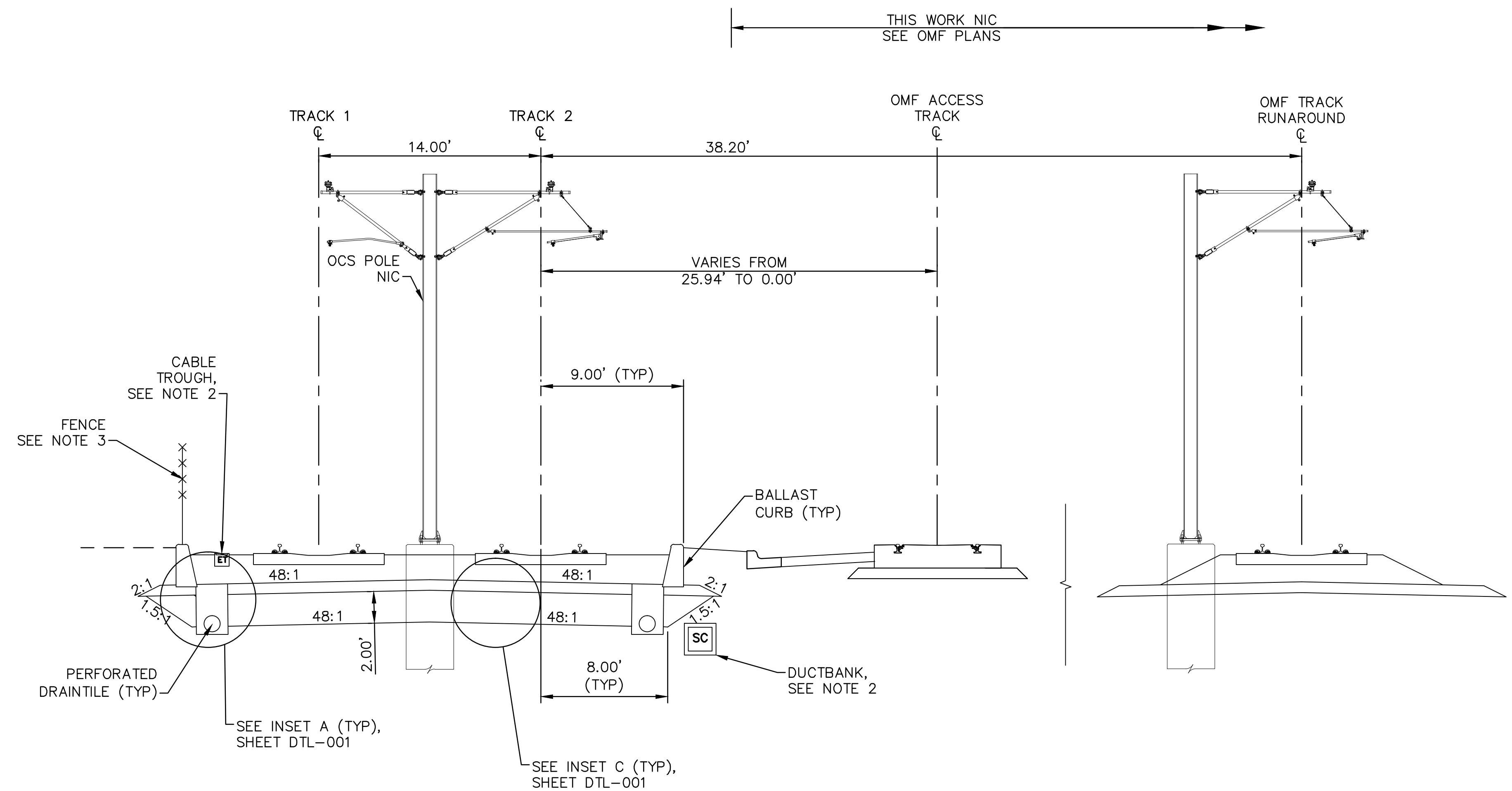
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 040

NOTES:
1. SPECIAL TRACKWORK NOT ILLUSTRATED.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.



TYPICAL SECTION
STA 2414+91.63 TO STA 2417+46.68

0 2.5 5 10
SCALE IN FEET

Jan, 18 2016 08:38 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-TYP.dwg By: V-RaboodV

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

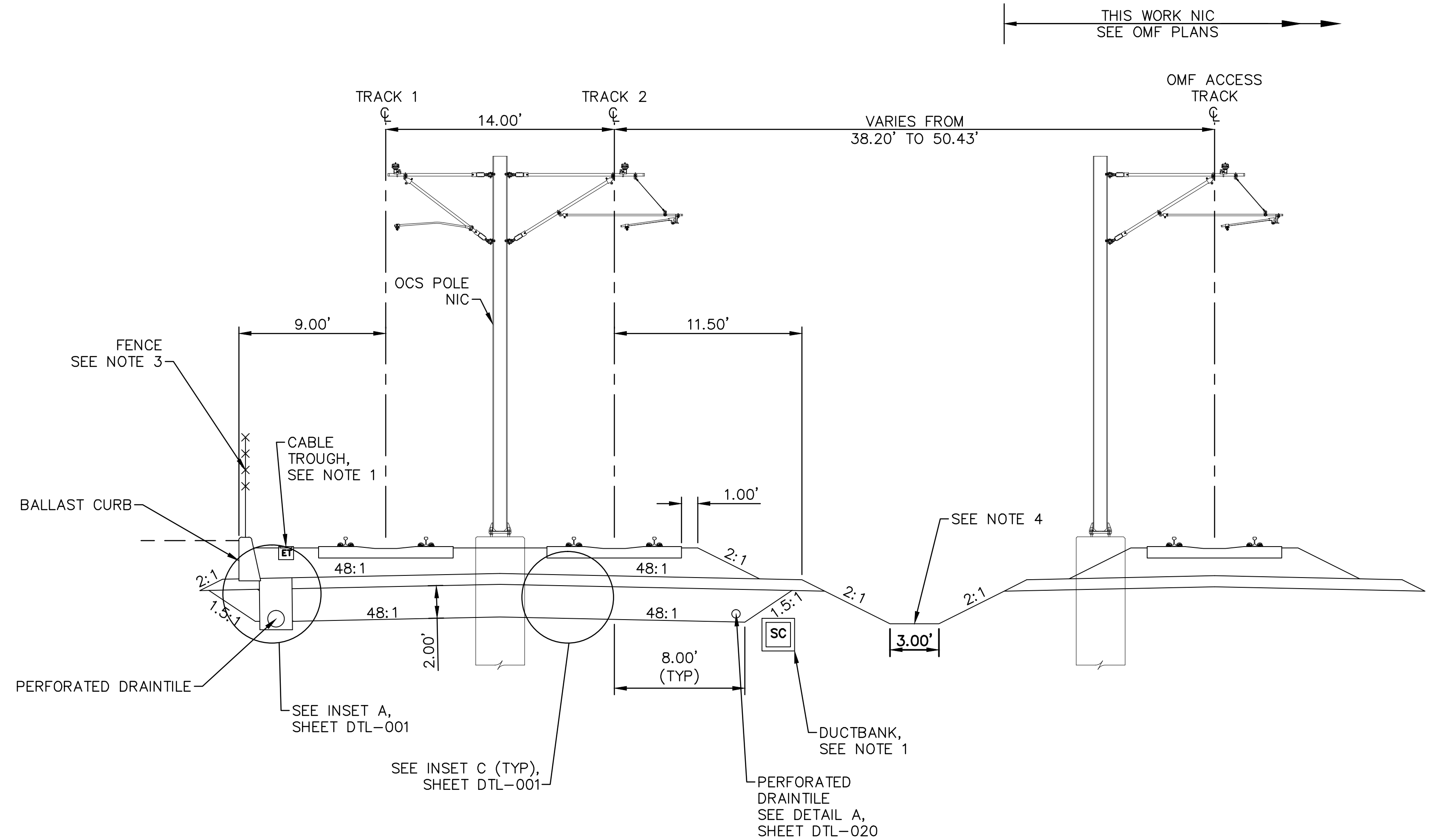
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

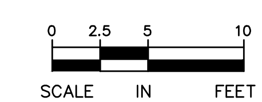
SHEET NAME: W3-TRK-TYP - 041

SHEET 144 OF 211

NOTES:
1. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
2. SPECIAL TRACKWORK NOT ILLUSTRATED.
3. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2417+46.68 TO STA 2418+09.83



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 042

SHEET 145 OF 211

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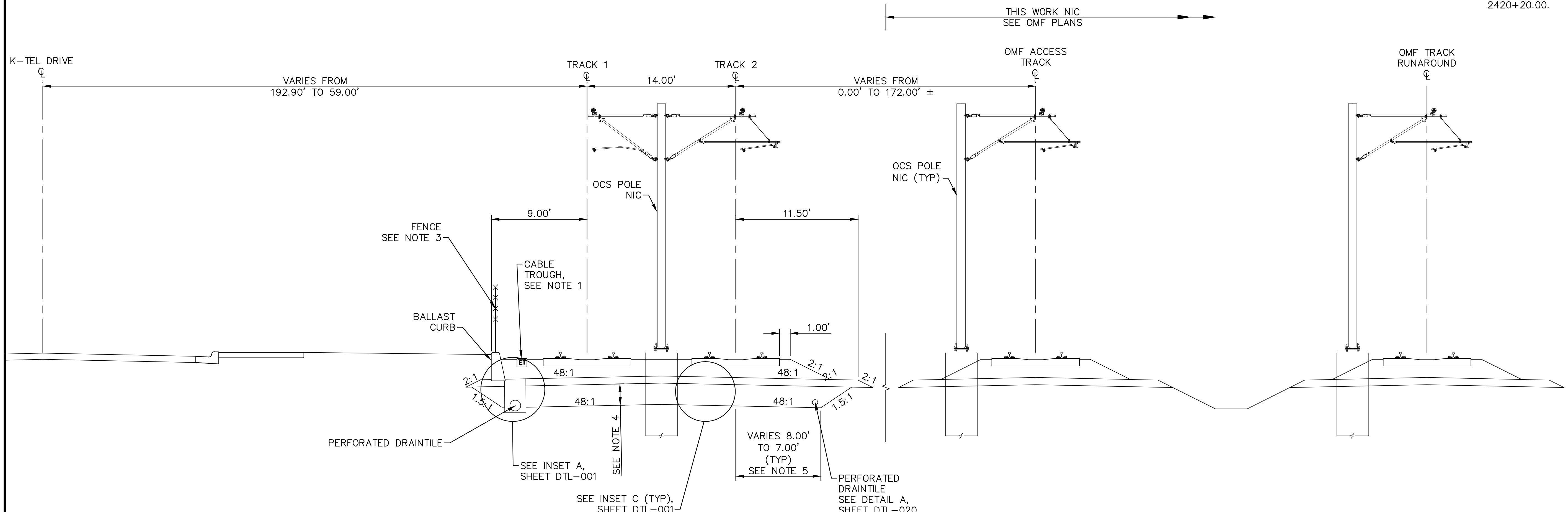
NOTES:
1. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
2. SPECIAL TRACKWORK NOT ILLUSTRATED.
3. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
4. SELECT GRANULAR DEPTH:
   STA 2418+09.83 TO STA 2420+00.00: 2.00';
   STA 2420+20.00 TO STA 2420+35.82: 1.00'
   TRANSITION LINEARLY BETWEEN STA 2420+00.00 AND STA 2420+20.00.
5. TRANSITION FROM 8.00' TO 7.00' BETWEEN STA 2420+00.00 AND STA 2420+20.00.



TYPICAL SECTION
STA 2418+09.83 TO STA 2420+35.82

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 043

SHEET 146 OF 211

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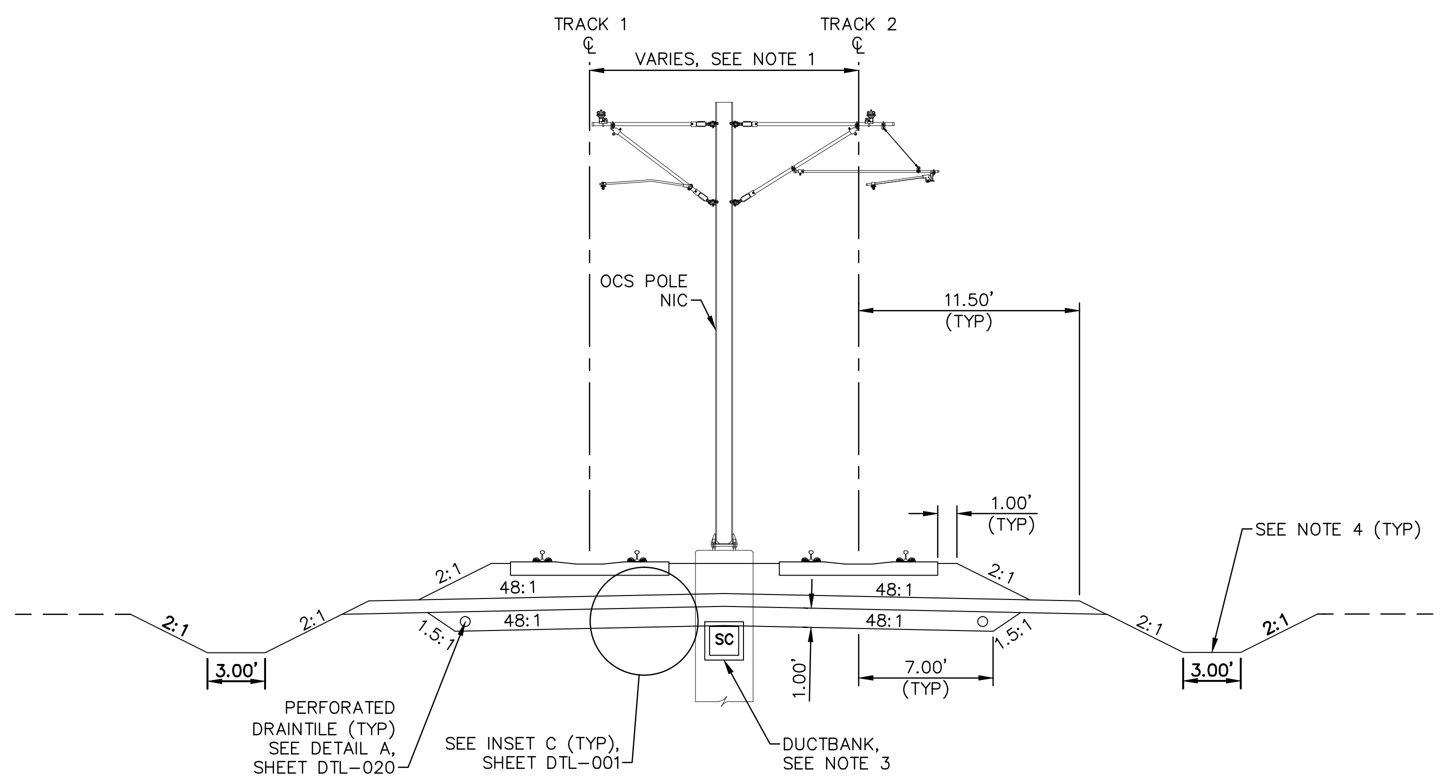
NOTES:
1. TRACK CENTERS WIDEN FROM 14.00' TO 17.89' BETWEEN STA 2420+82.83 AND STA 2421+50.00.
2. SECTION DOES NOT ILLUSTRATE GRADE CROSSING AT K-TEL DRIVE. SEE TRACK PLANS AND DETAILS.
3. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2420+35.82 TO STA 2421+50.00

0 2.5 5 10
SCALE IN FEET

Jan, 18 2016 08:39 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-TYP.dwg By: V-RaboodV

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

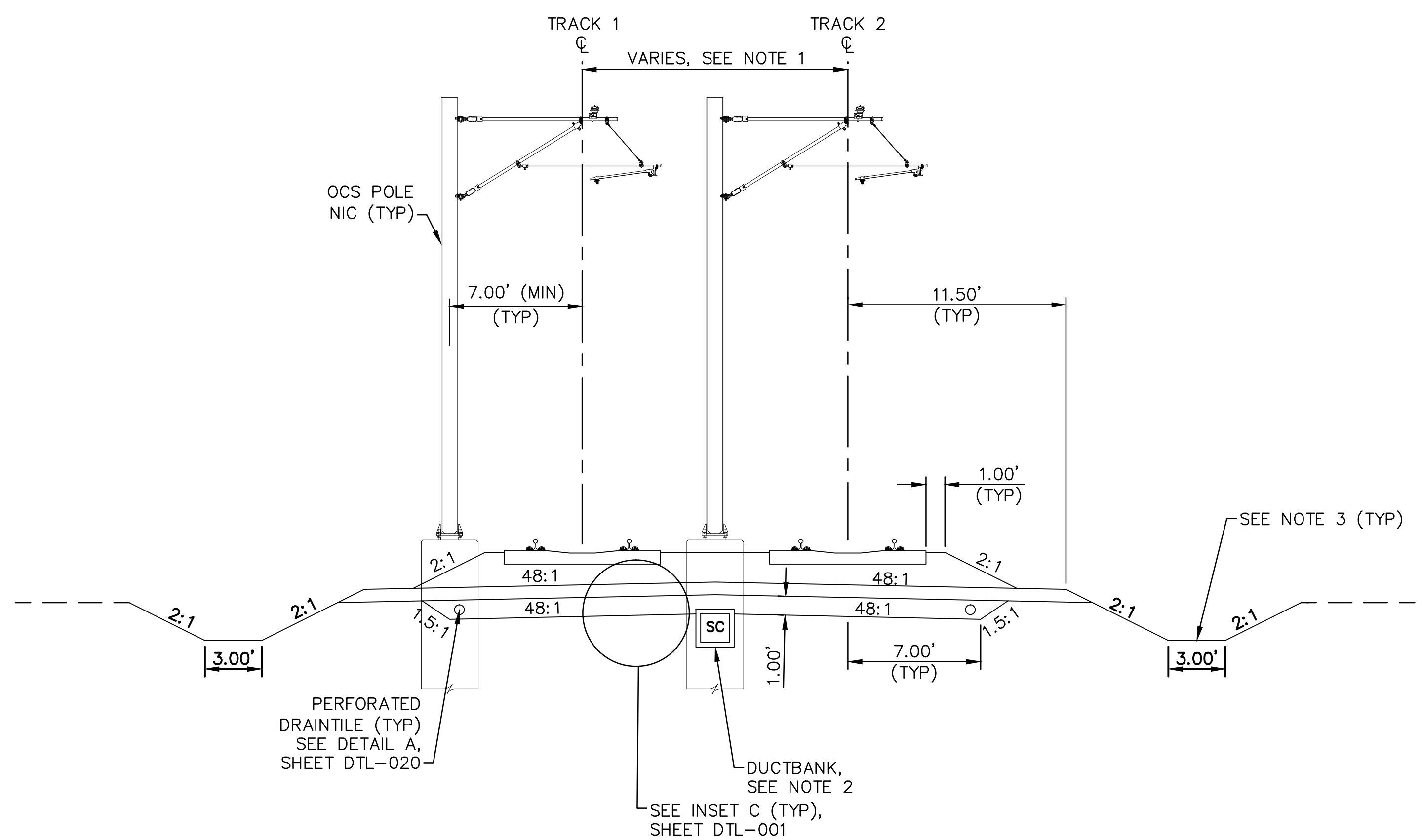
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 044

NOTES:
1. TRACK CENTERS WIDEN FROM 17.89' TO 20.00' BETWEEN STA 2421+50.00 AND STA 2421+63.94.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2421+50.00 TO STA 2421+63.94

0 3 5.0 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

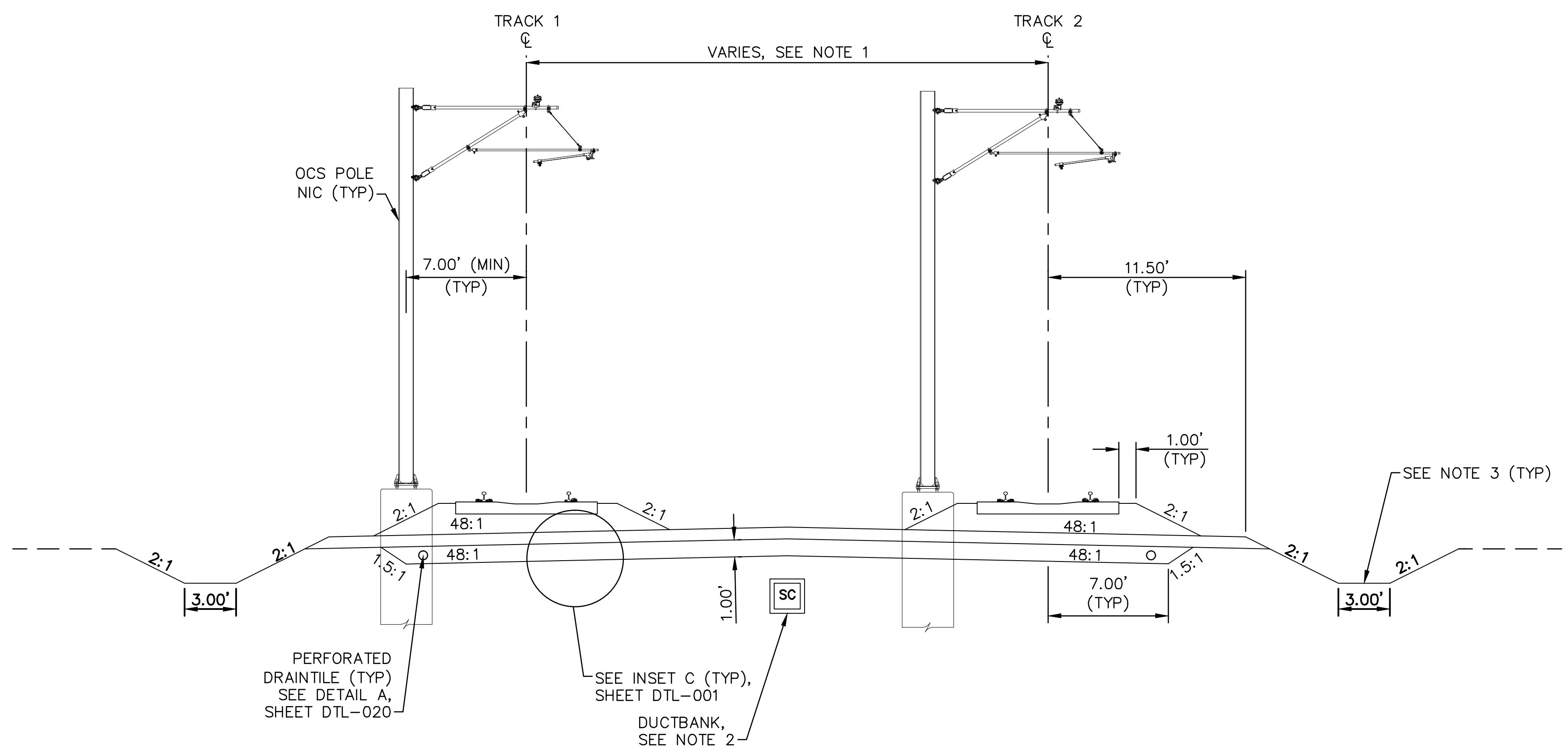
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 045

NOTES:
1. TRACK CENTERS WIDEN FROM 20.00' TO 25.12' BETWEEN STA 2421+63.94 AND STA 2421+99.01.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2421+63.94 TO STA 2421+99.07

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 046

SHEET 149 OF 211

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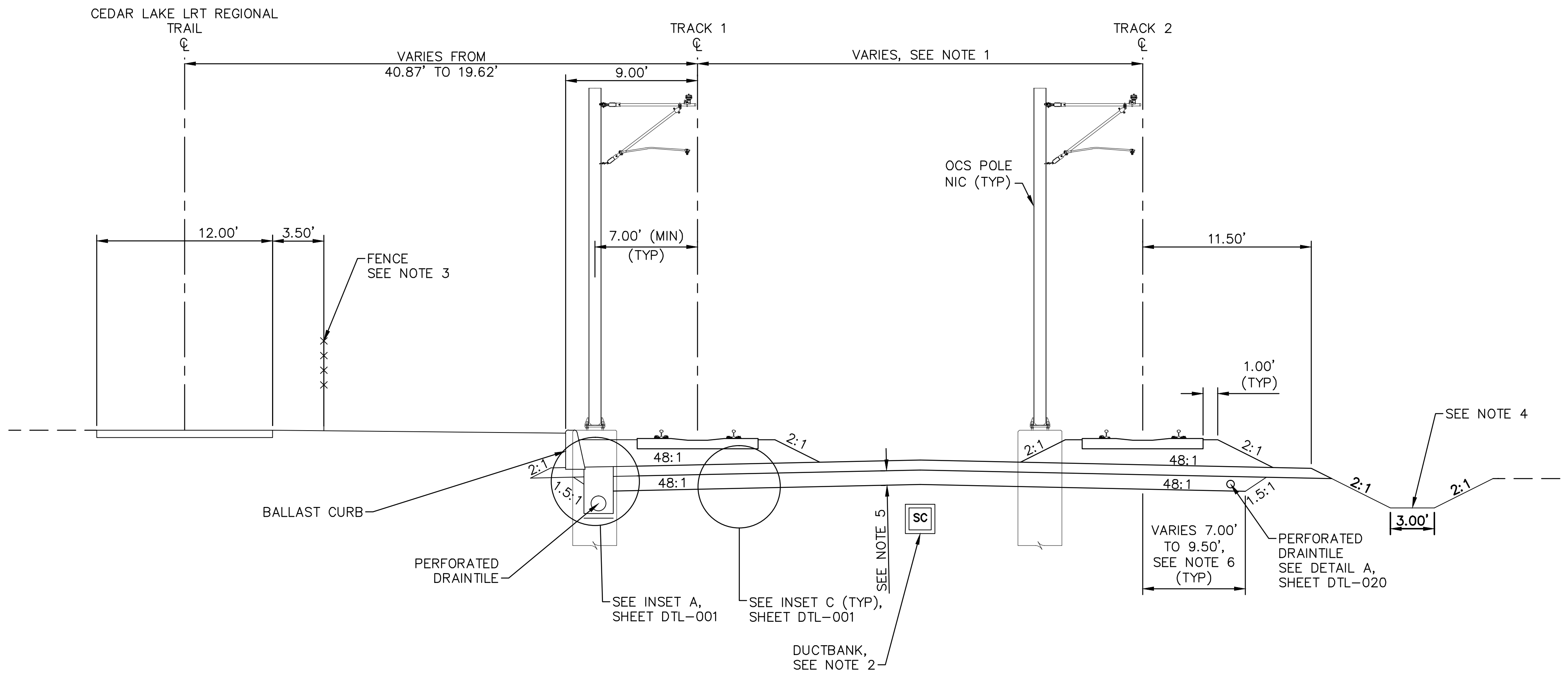
NOTES:
1. TRACK CENTERS WIDEN FROM 25.12' TO 30.38' BETWEEN STA 2421+99.07 AND STA 2423+31.60.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
5. SELECT GRANULAR DEPTH:
   STA 2421+99.07 TO STA 2423+34.93: 1.00';
   STA 2423+81.60: 3.33'.
   TRANSITION LINEARLY BETWEEN STA 2423+34.93 AND STA 2423+81.60.
6. TRANSITION FROM 7.00' TO 9.50' BETWEEN STA 2423+34.93 AND STA 2423+81.60.



TYPICAL SECTION
STA 2421+99.07 TO STA 2423+81.61

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

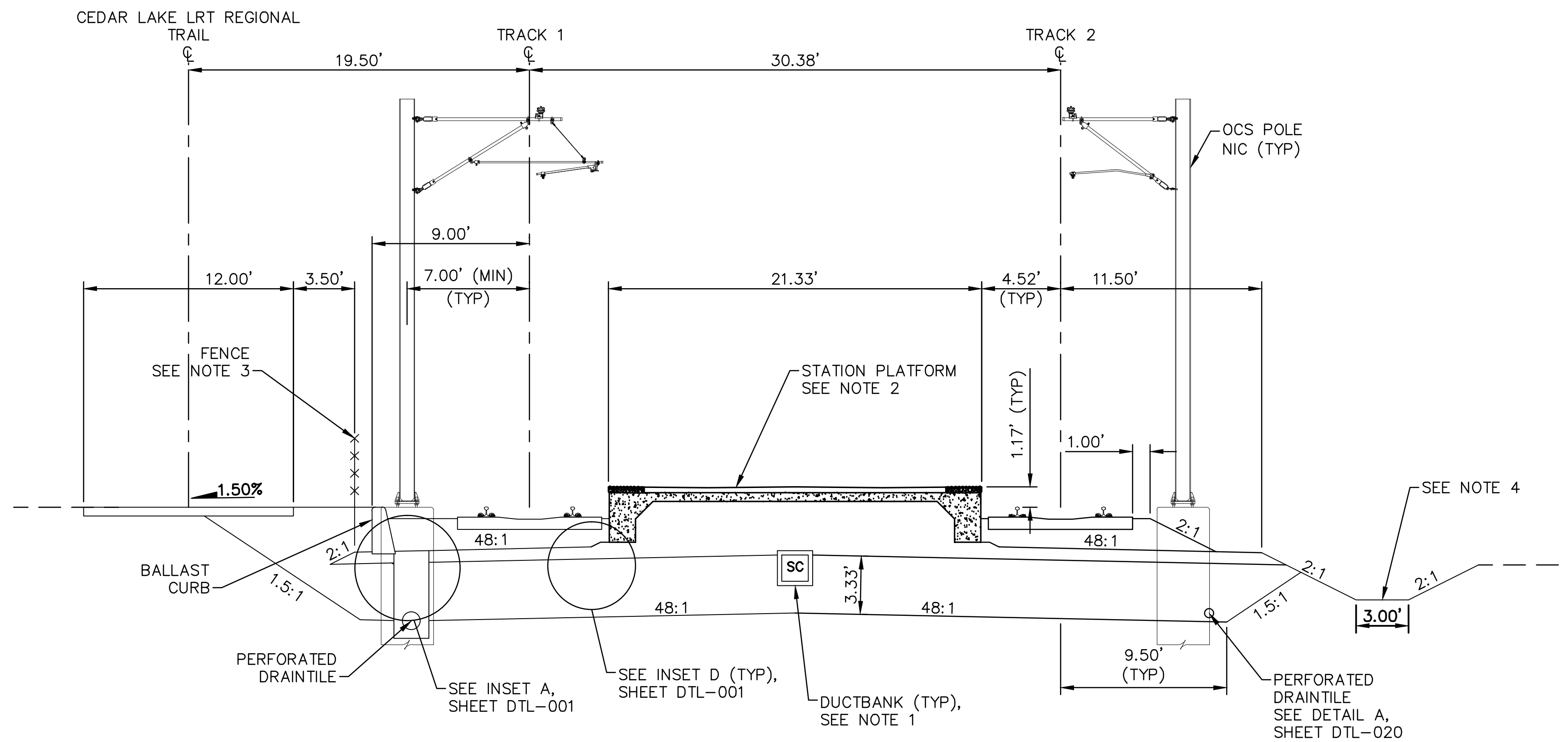
CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 047

SHEET 150 OF 211

NOTES:
1. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
2. SEE STATION PLANS FOR STATION PLATFORM DETAILS.
3. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION – SHADY OAK STATION
STA 2423+81.61 TO STA 2426+51.61

0 2.5 5 10
SCALE IN FEET

Jan, 18 2016 08:40 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-TYP.dwg By: V-RaboodV

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

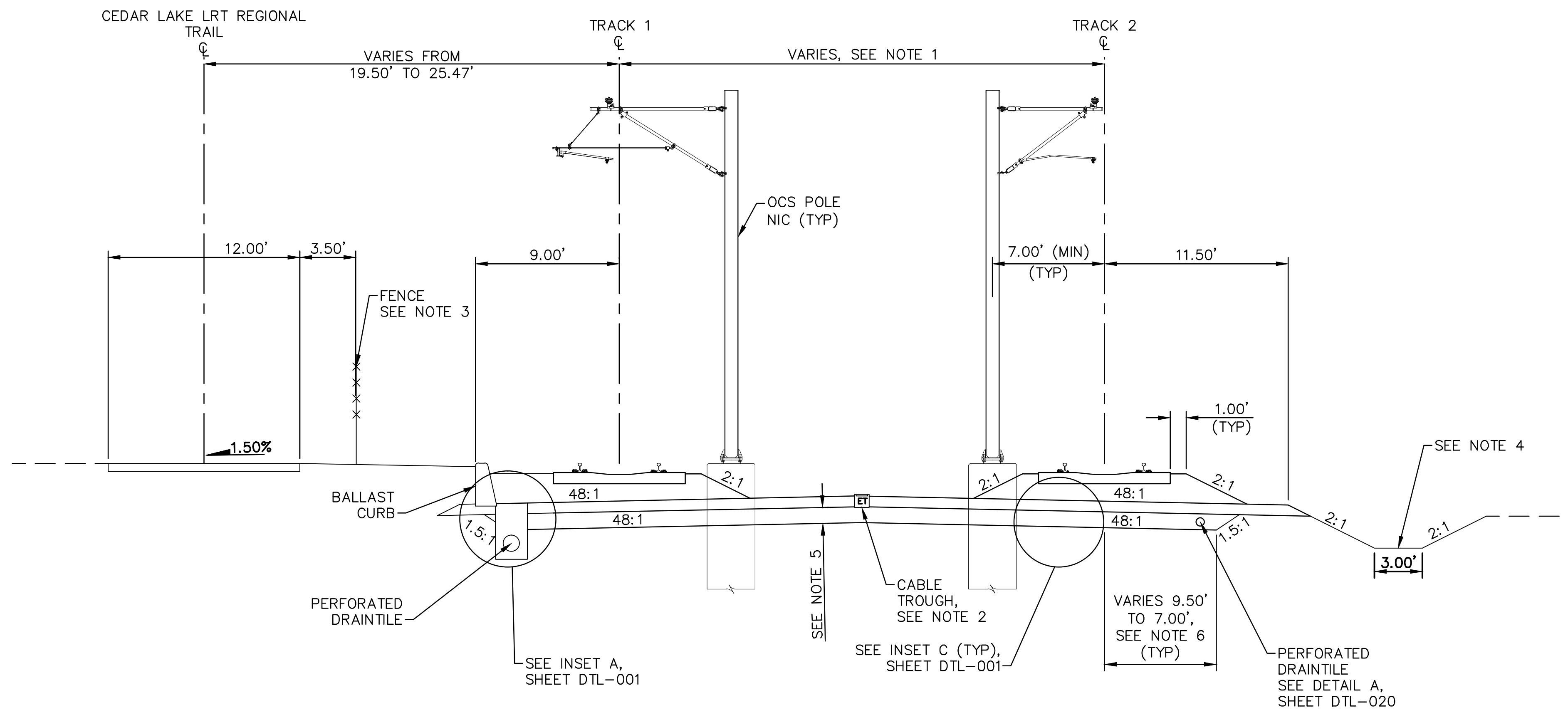
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 048

NOTES:
1. TRACK CENTERS NARROW FROM 30.38' TO 24.40' BETWEEN STA 2426+51.60 AND STA 2429+72.84.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.
5. SELECT GRANULAR DEPTH:
   STA 2426+51.60: 3.33';
   STA 2426+98.27 TO STA 2429+72.84: 1.00'.
   TRANSITION LINEARLY BETWEEN STA 2426+51.60 AND STA 2426+98.27.
6. TRANSITION FROM 9.50' TO 7.00' BETWEEN STA 2426+51.60 AND STA 2426+98.27.



TYPICAL SECTION
STA 2426+51.61 TO STA 2429+72.84

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

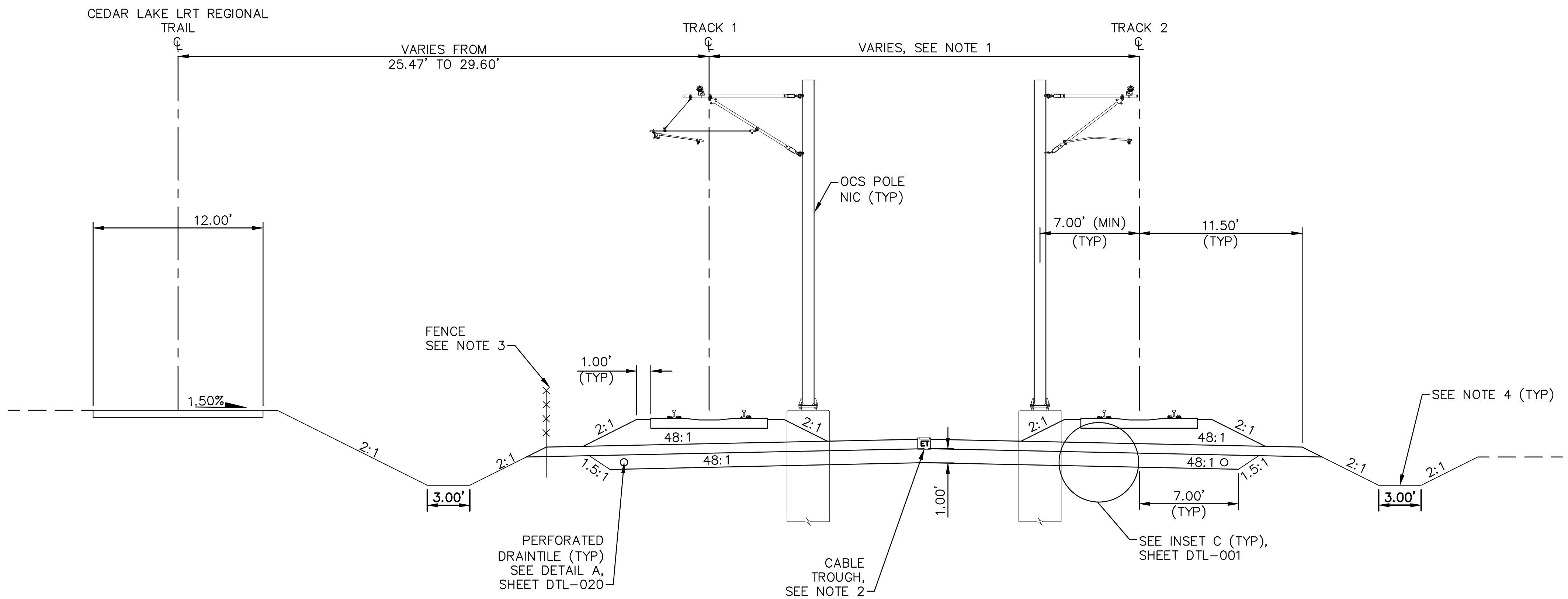
DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 049

SHEET 152 OF 211

Jan, 18 2016 08:40 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-TYP.dwg By: V-RaboodV

NOTES:
1. TRACK CENTERS NARROW FROM 24.40' TO 20.00' BETWEEN STA 2429+71.84 AND STA 2430+71.93.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2429+71.84 TO STA 2430+71.93

0 2.5 5 10
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

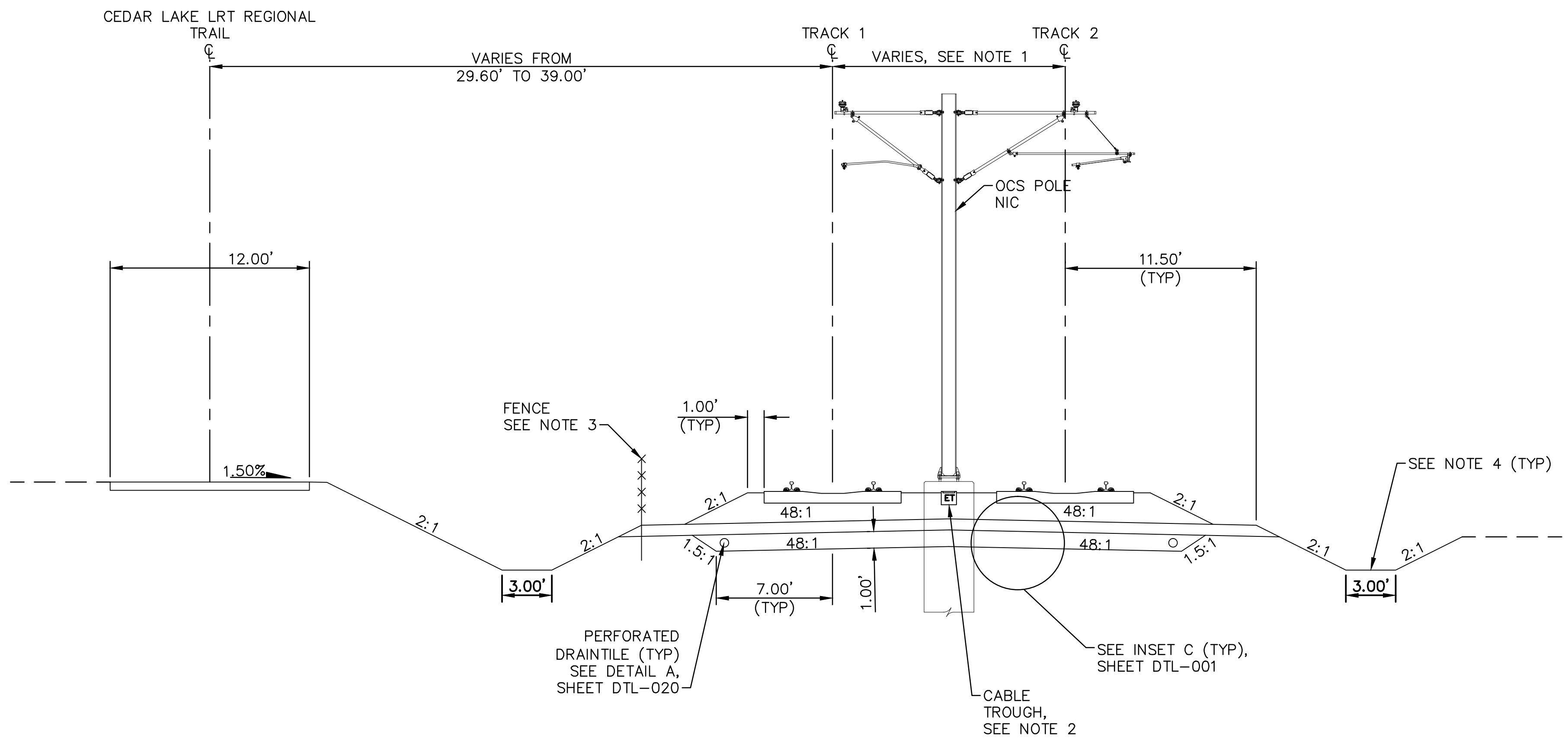
DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 050

SHEET 153 OF 211

Jan. 18 2016 08:40 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-TYP.dwg By: V-RaboodV

NOTES:
1. TRACK CENTERS NARROW FROM 20.00' TO 14.00' BETWEEN STA 2430+71.93 AND STA 2433+43.33.
2. SEE SYSTEMS PLANS FOR DUCTBANK AND CABLE TROUGH DETAILS.
3. SEE URBAN DESIGN PLANS FOR FENCE LOCATIONS AND DETAILS.
4. FOR DITCH INVERT AND DETAILS, SEE DRAINAGE PLANS.



TYPICAL SECTION
STA 2430+71.93 TO STA 2441+49.22

0 2.5 5 10
SCALE IN FEET

Jan, 18 2016 08:40 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-TYP.dwg By: V-RaboodV

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-TYP - 051

SHEET 154 OF 211

Jan, 18 2016 11:20 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-LAY.dwg By: V-BurrellM

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

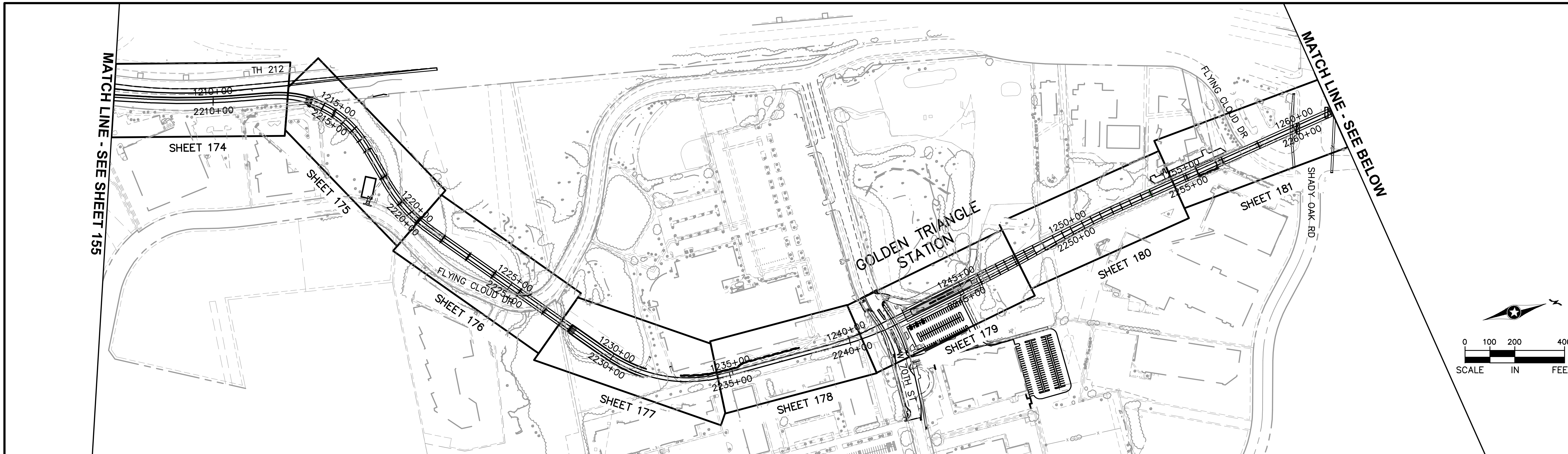
SOUTHWEST Green Line LRT Extension

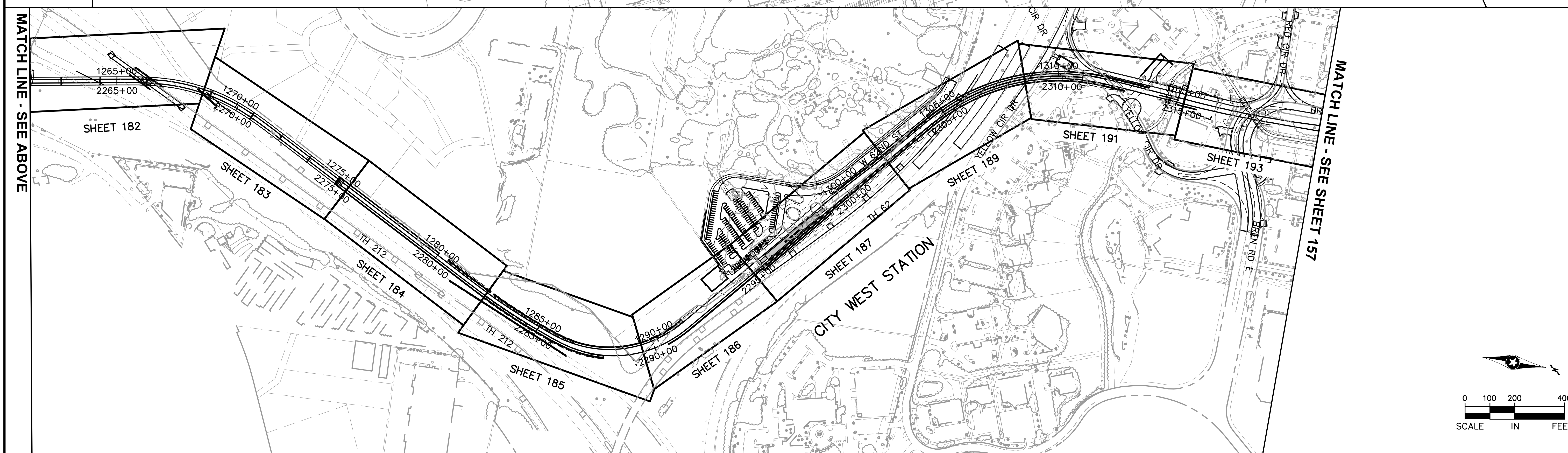
CIVIL - VOLUME 3A
TRACK
PLAN SHEET LAYOUT
SHEET 1

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-LAY-001

SHEET 155 OF 211





Jan, 18 2016 11:21 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-LAY.dwg By: V-BurrellM

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

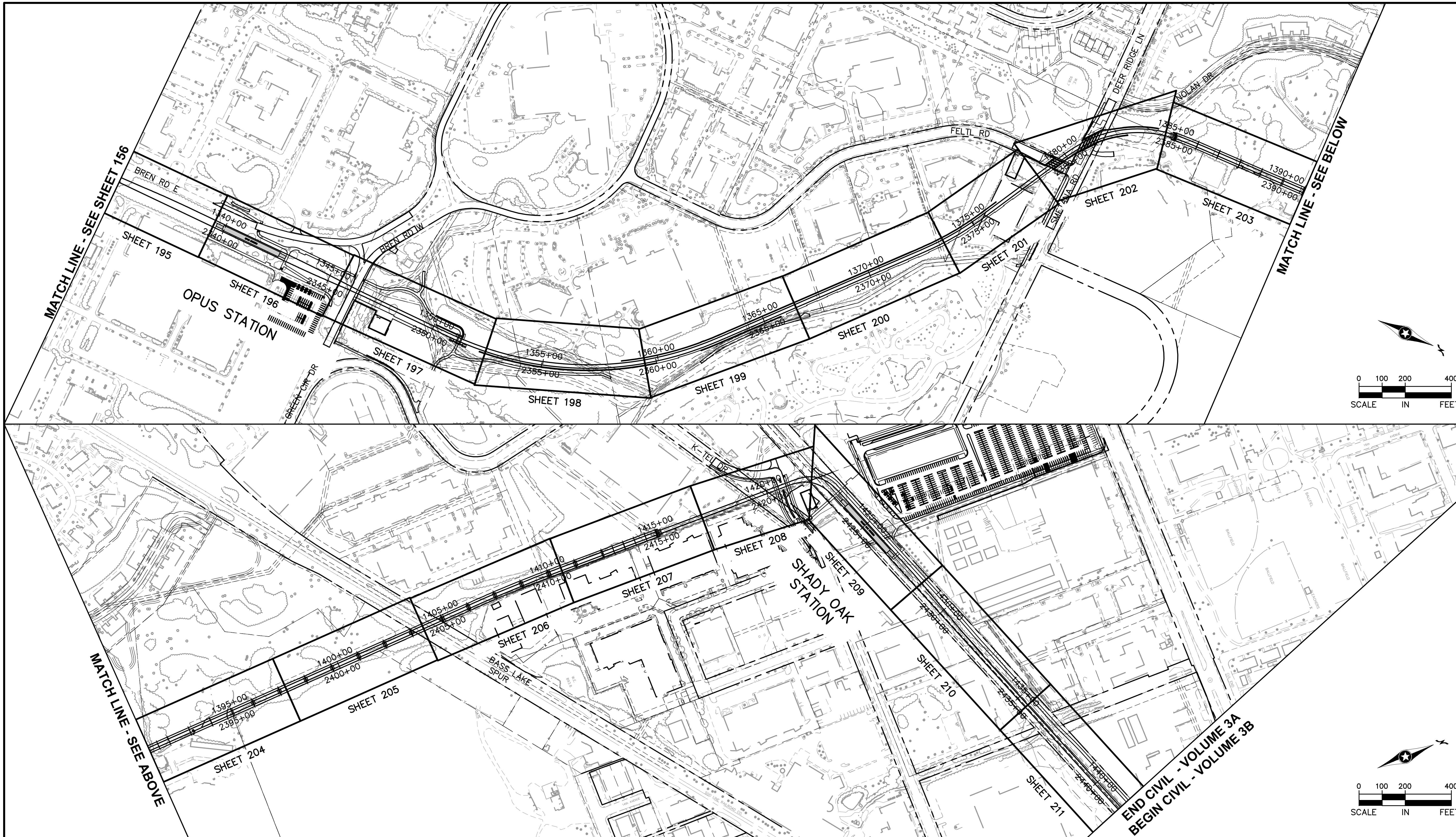
METROPOLITAN COUNCIL

SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN SHEET LAYOUT
SHEET 2

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-LAY-001



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

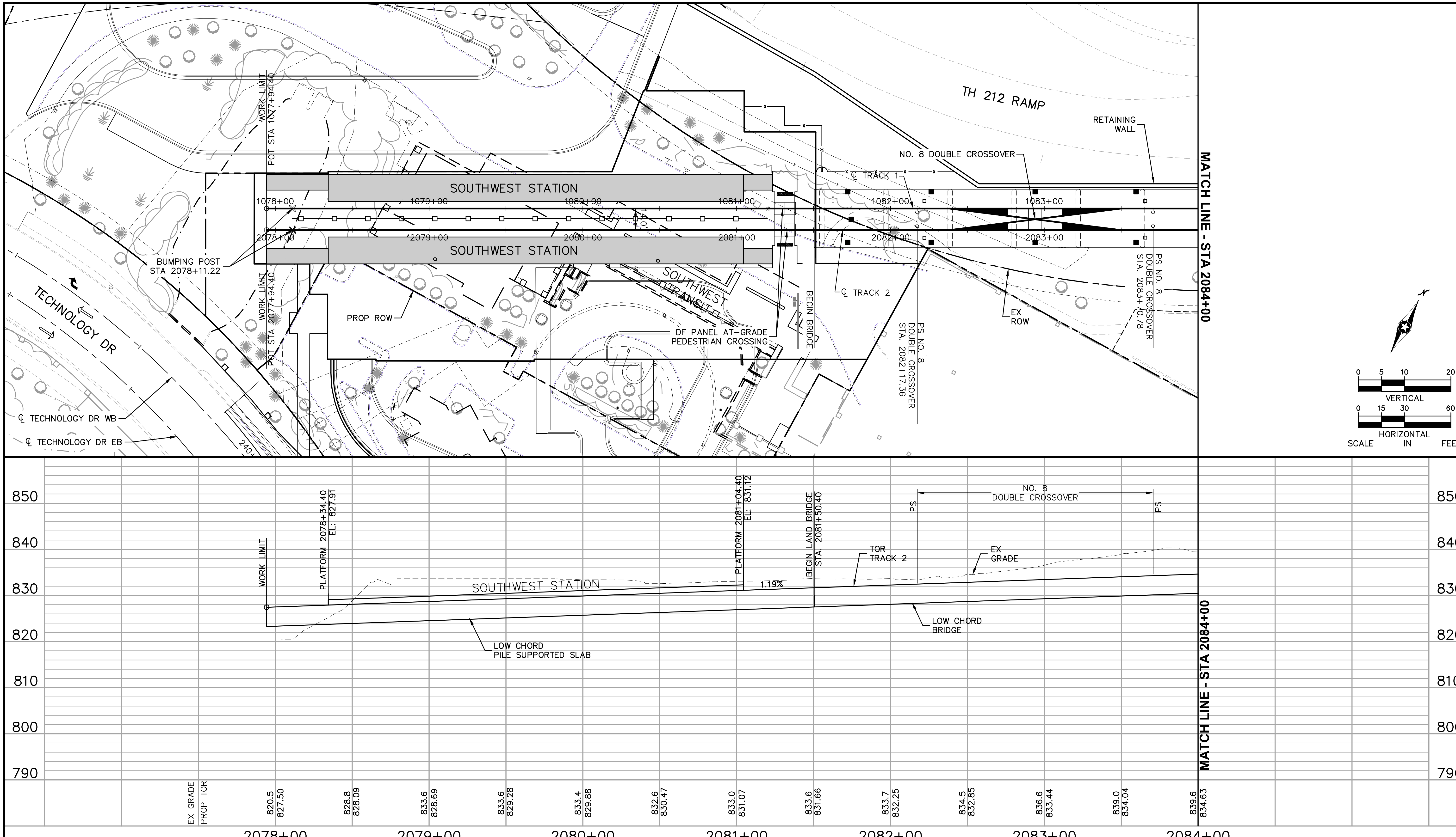
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN SHEET LAYOUT
SHEET 3

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-LAY-001



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

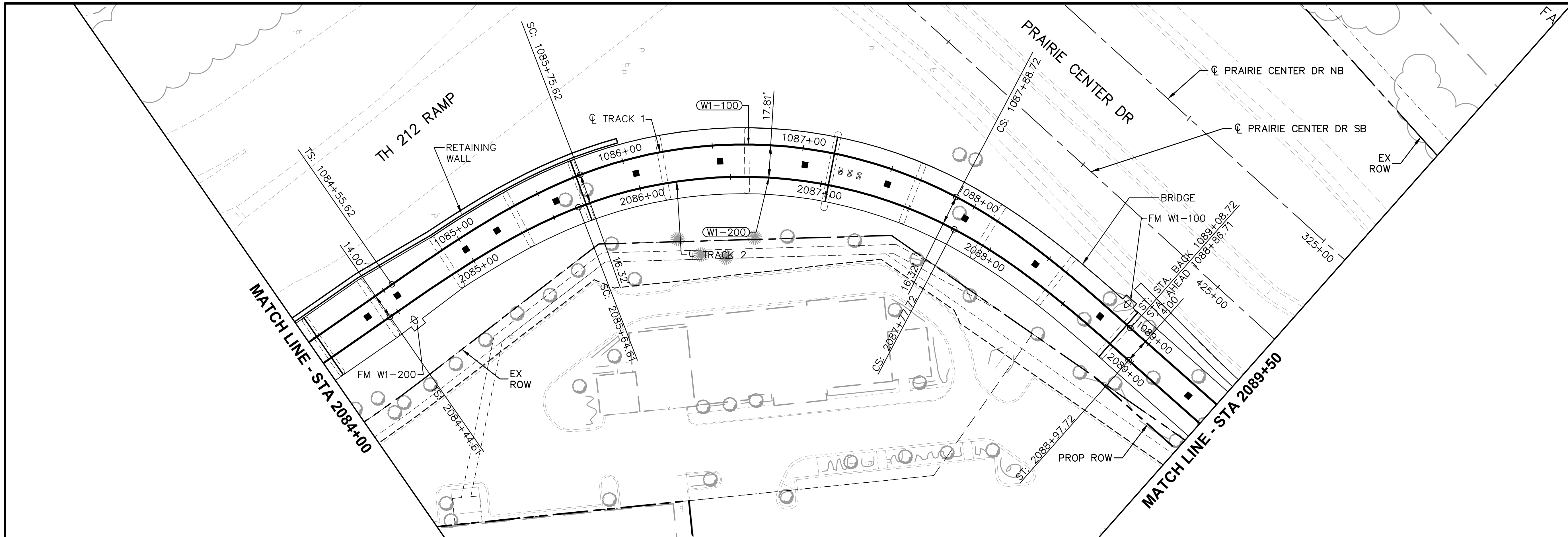
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2077+80 TO STA 2084+00

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-PRF - 001

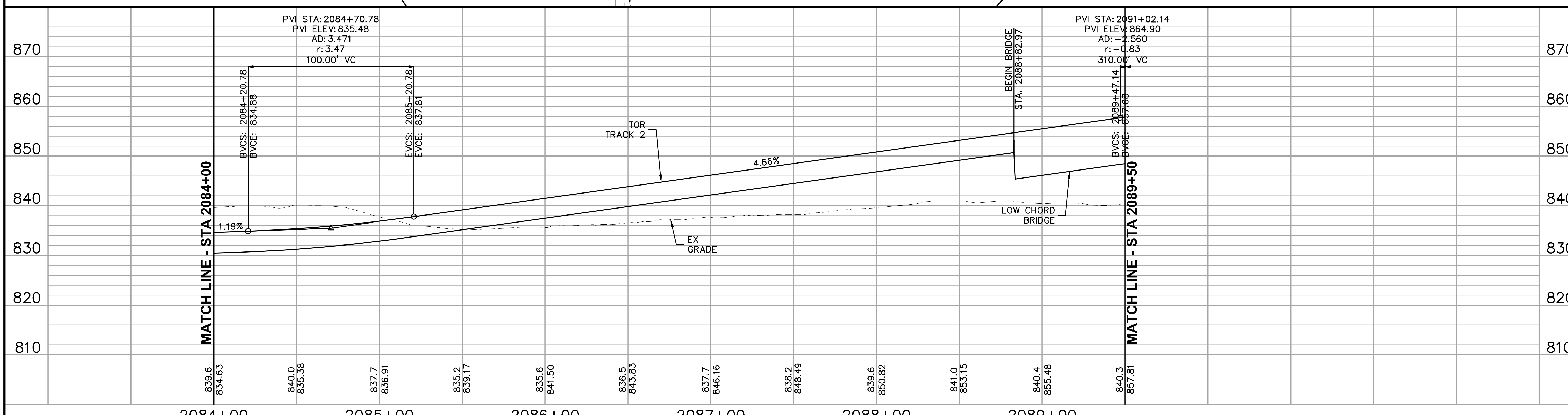
SHEET 158 OF 211



CURVE NO. W1-200
R = 250.00'
Lc = 213.11'
Ls = 120.00'
Ea = 2.50"
Eu = 3.84"
V = 20 MPH

CURVE NO. W1-100
R = 250.00'
Lc = 213.11'
Ls = 120.00'
Ea = 2.50"
Eu = 3.84"
V = 20 MPH

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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

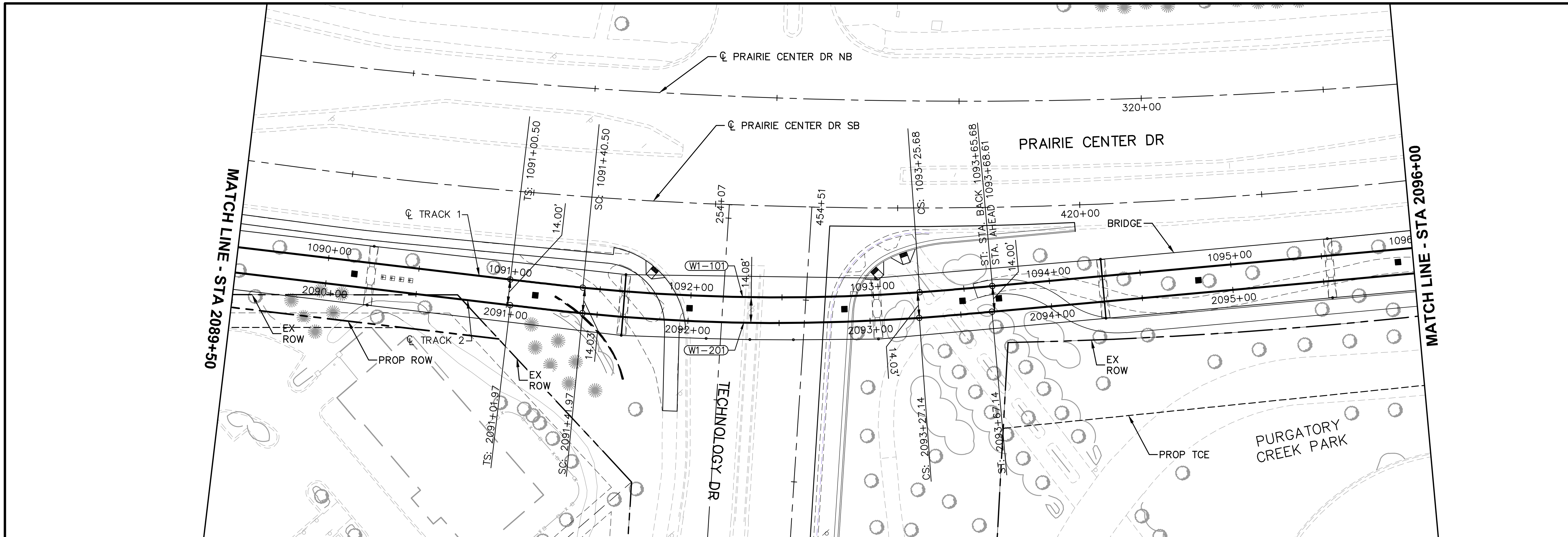
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2084+00 TO STA 2089+50

DISCIPLINE: TRACK

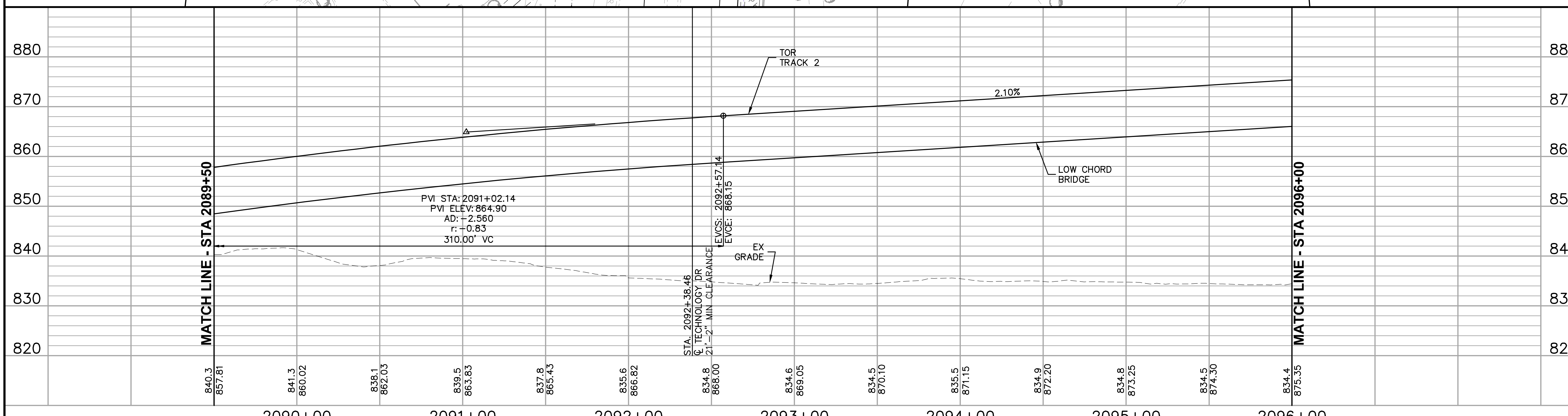
SHEET NAME: W1-TRK-PRF - 002

Jan, 18 2016 08:12 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-PRF.dwg By: MaurisBM



CURVE NO. W1-201
R = 1080.00'
Lc = 185.18'
Ls = 40.00'
Ea = 1.00"
Eu = 1.29"
V = 25 MPH

CURVE NO. W1-101
R = 1080.00'
Lc = 185.18'
Ls = 40.00'
Ea = 1.00"
Eu = 1.29"
V = 25 MPH



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

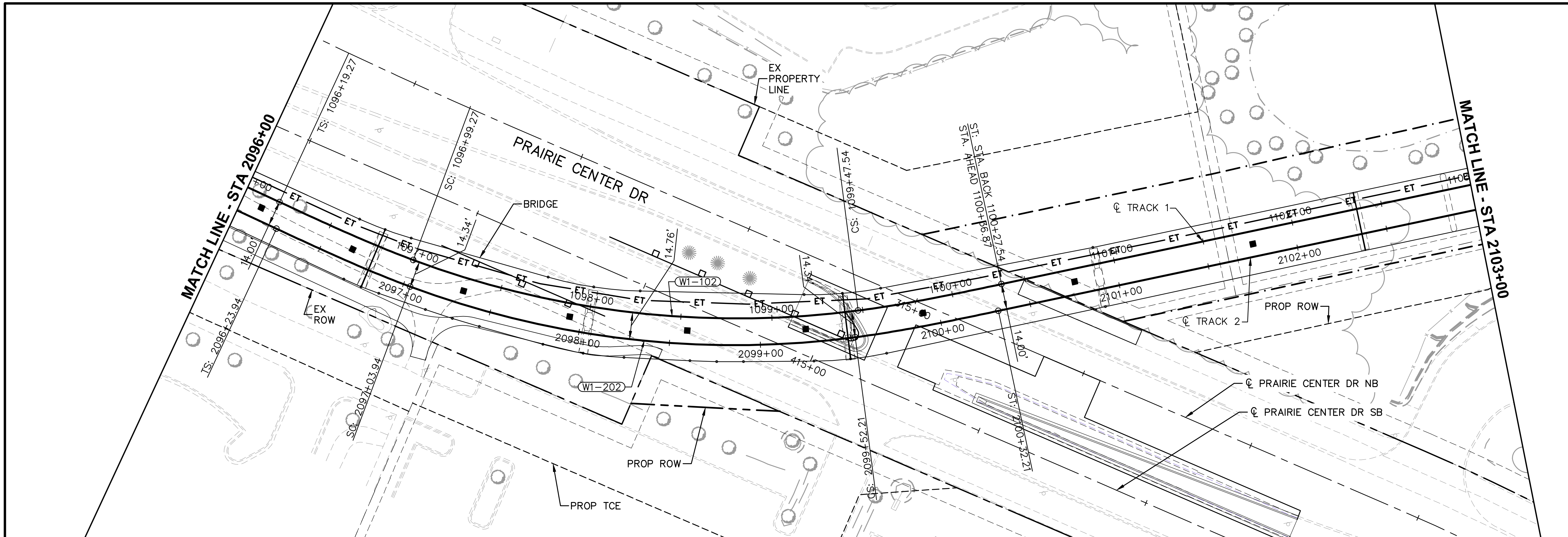
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2089+50 TO STA 2096+00

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-PRF - 003

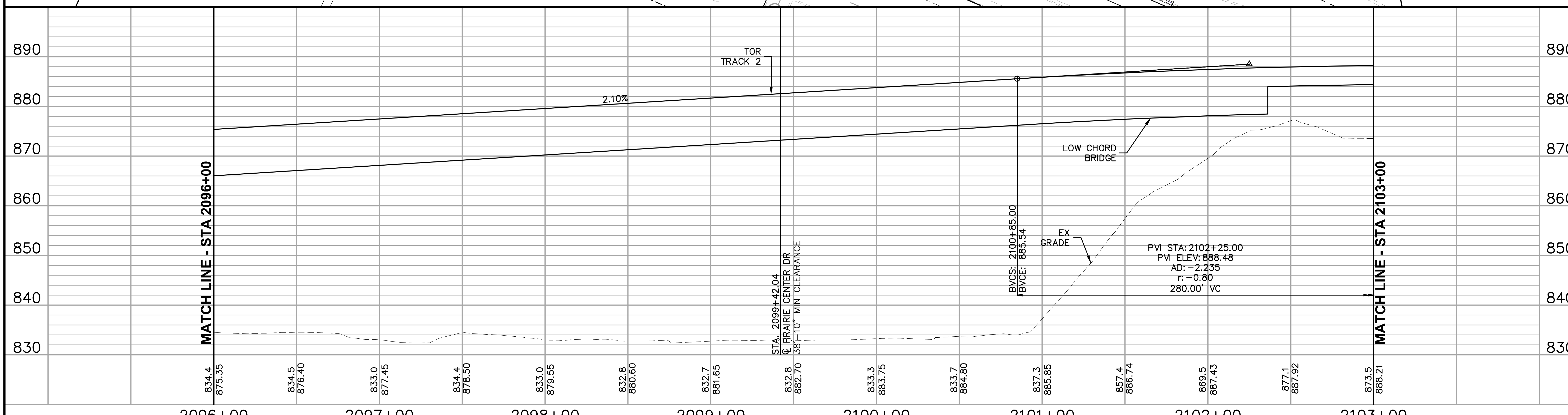
Jan, 18 2016 08:13 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-PRF.dwg By: MaurisBM



CURVE NO. W1-202
R = 510.00'
Lc = 248.27'
Ls = 80.00'
Ea = 2.25"
Eu = 2.60"
V = 25 MPH

CURVE NO. W1-102
R = 510.00'
Lc = 248.27'
Ls = 80.00'
Ea = 2.25"
Eu = 2.60"
V = 25 MPH

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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Jan. 22 2016 09:31 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-PRF.dwg By: MaurisBM

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

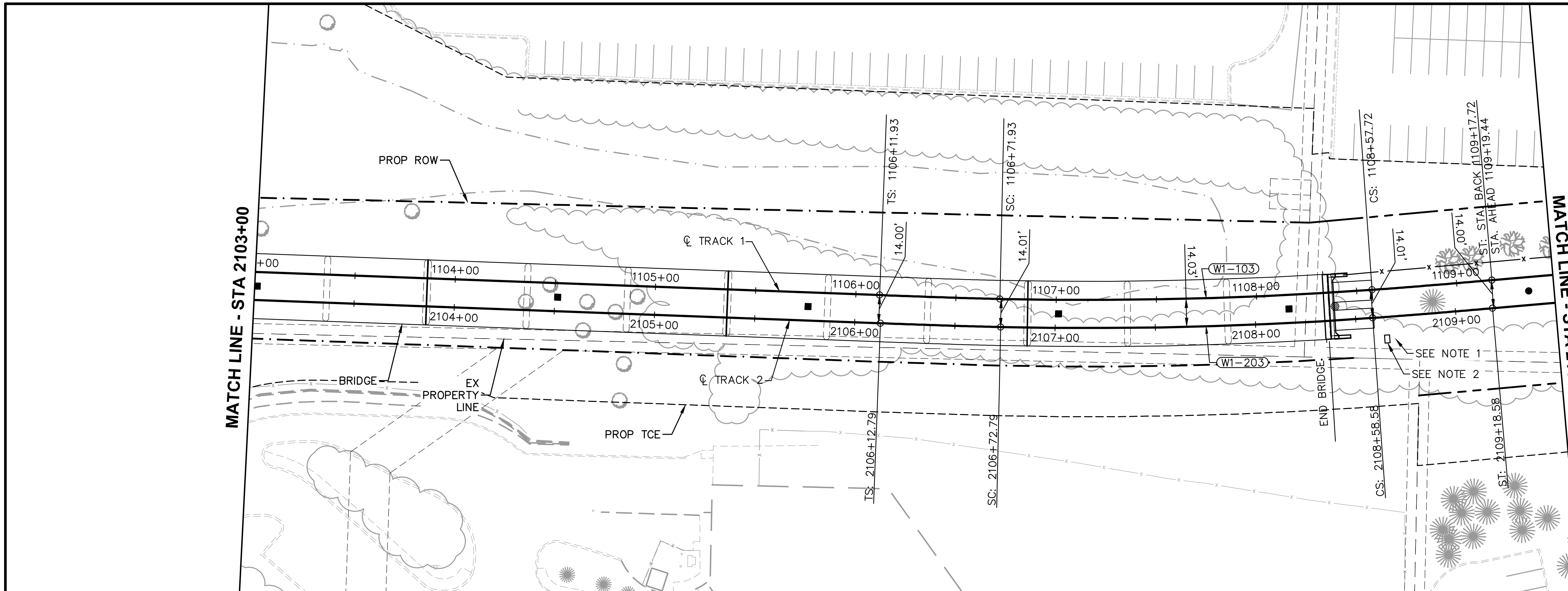
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2096+00 TO STA 2103+00

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-PRF - 004

SHEET 161 OF 211

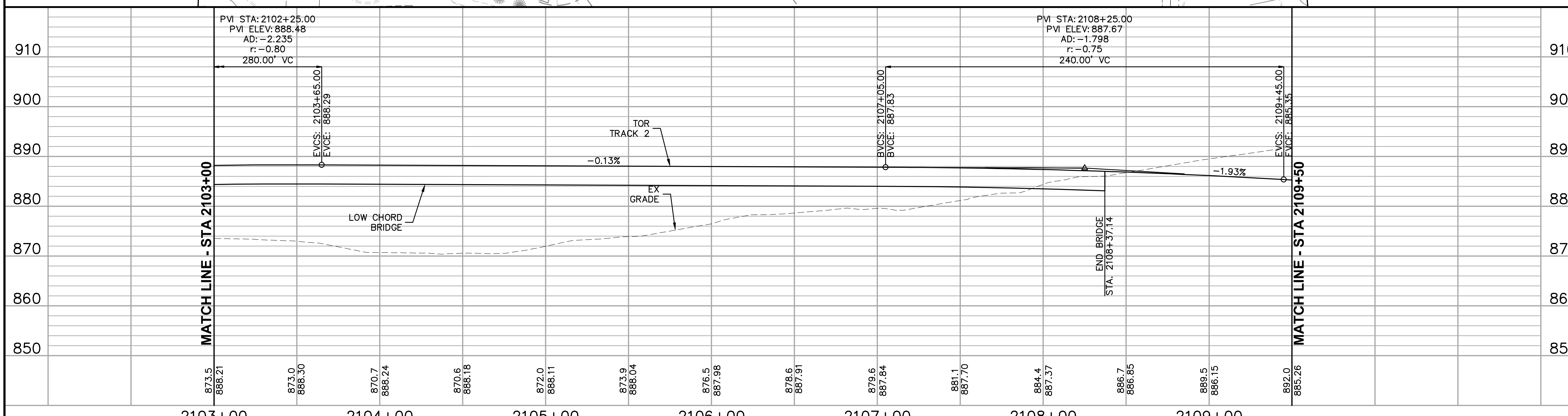


CURVE NO. W1-203
R = 2000.00'
Lc = 185.79'
Ls = 60.00'
Ea = 1.00"
Eu = 1.43"
V = 35 MPH

CURVE NO. W1-103
R = 2000.00'
Lc = 185.79'
Ls = 60.00'
Ea = 1.00"
Eu = 1.43"
V = 35 MPH

NOTES:
1. SEE SHEETS DTL-225 AND DTL-226 FOR BALLAST SHOULDER WIDENING DETAILS.
2. SEE SYSTEMS PLANS FOR INTRUSION DETECTION CABINET DETAILS.

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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

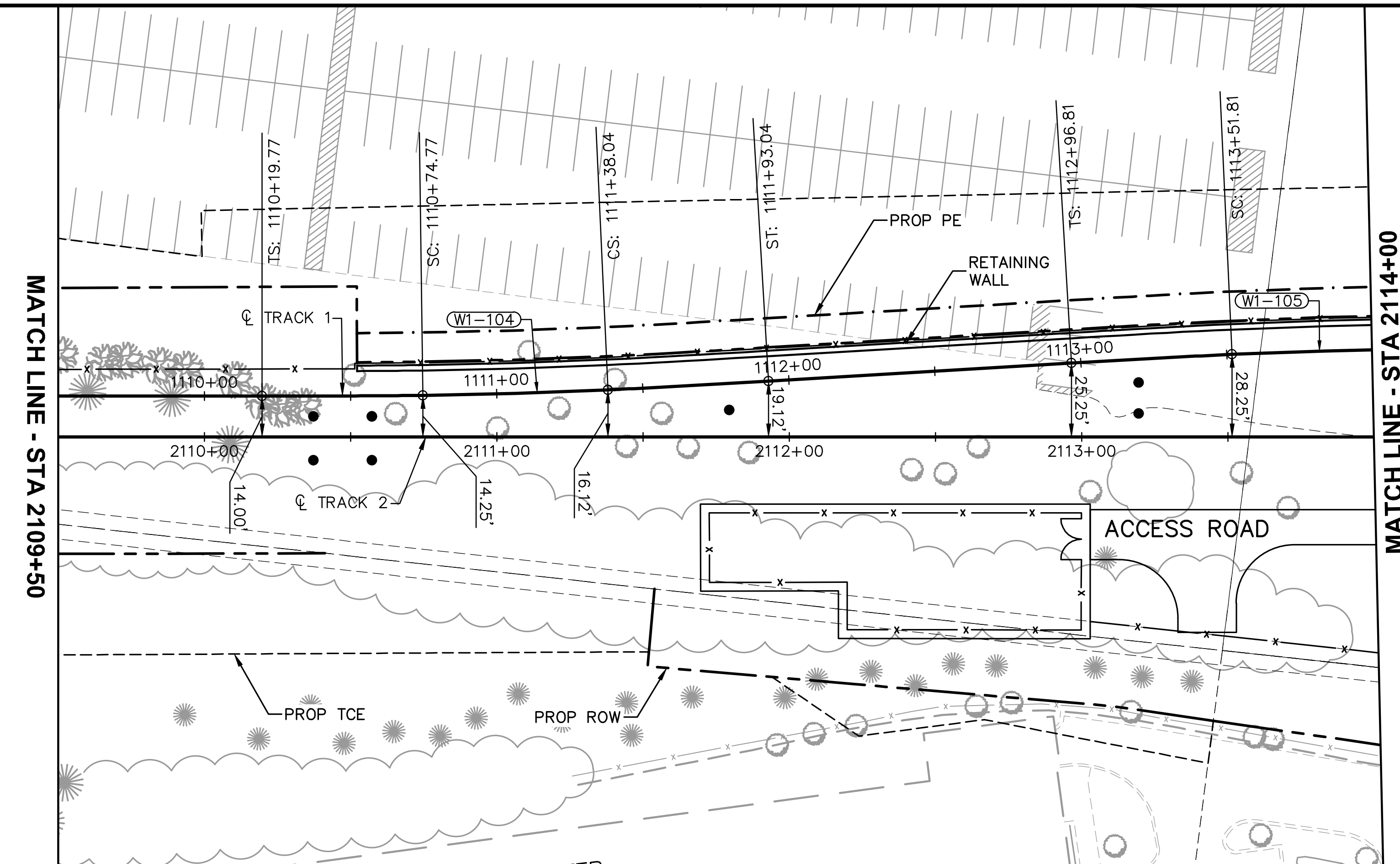
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2103+00 TO STA 2109+50

DISCIPLINE: TRACK

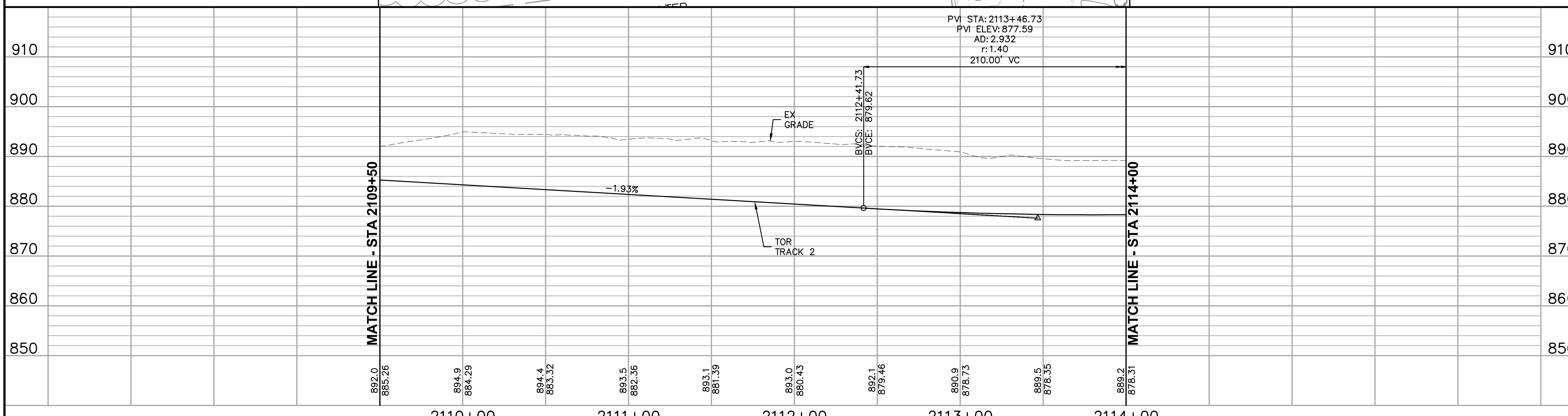
SHEET NAME: W1-TRK-PRF - 005

CURVE NO. W1–104
R = 2000.00'
Lc = 63.27'
Ls = 55.00'
Ea = 1.00"
Eu = 1.43"
V = 35 MPH



CURVE NO. W1–105
R = 2000.00'
Lc = 63.27'
Ls = 55.00'
Ea = 1.00"
Eu = 1.43"
V = 35 MPH

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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

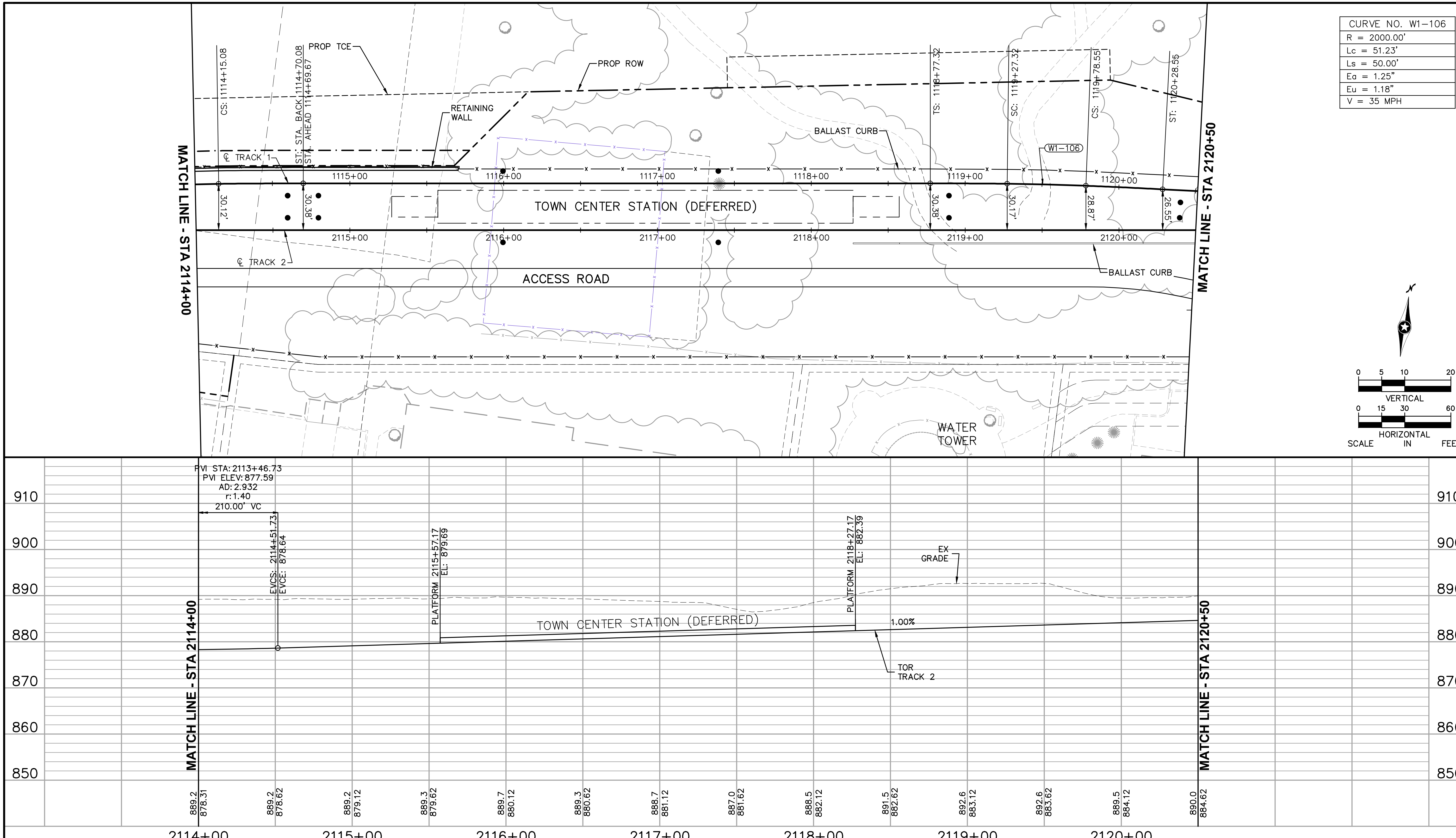
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2109+50 TO STA 2114+00

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-PRF - 006



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

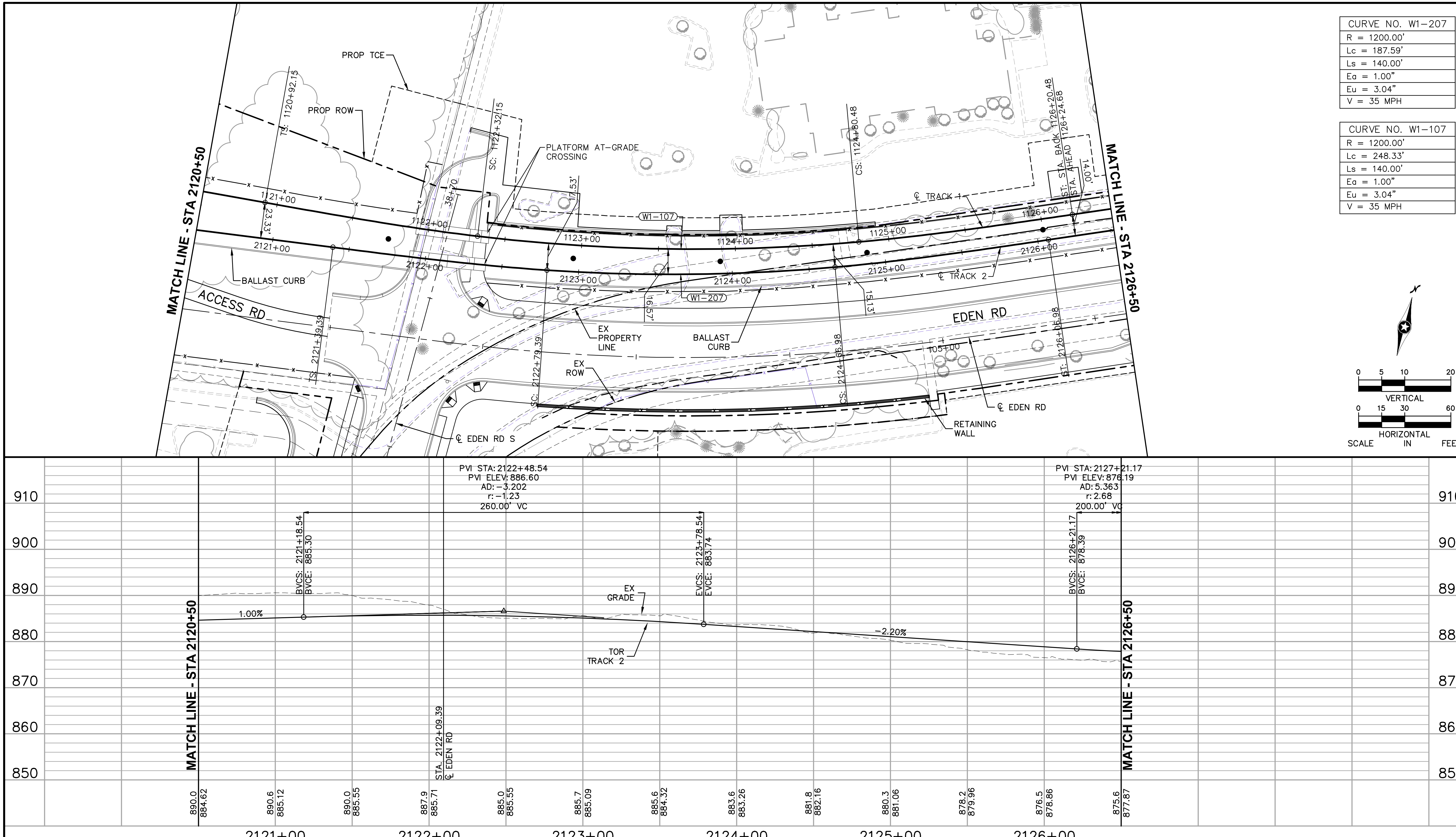
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2114+00 TO STA 2120+50

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-PRF - 007



CURVE NO. W1-207
R = 1200.00'
Lc = 187.59'
Ls = 140.00'
Ea = 1.00"
Eu = 3.04"
V = 35 MPH

CURVE NO. W1-107
R = 1200.00'
Lc = 248.33'
Ls = 140.00'
Ea = 1.00"
Eu = 3.04"
V = 35 MPH

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

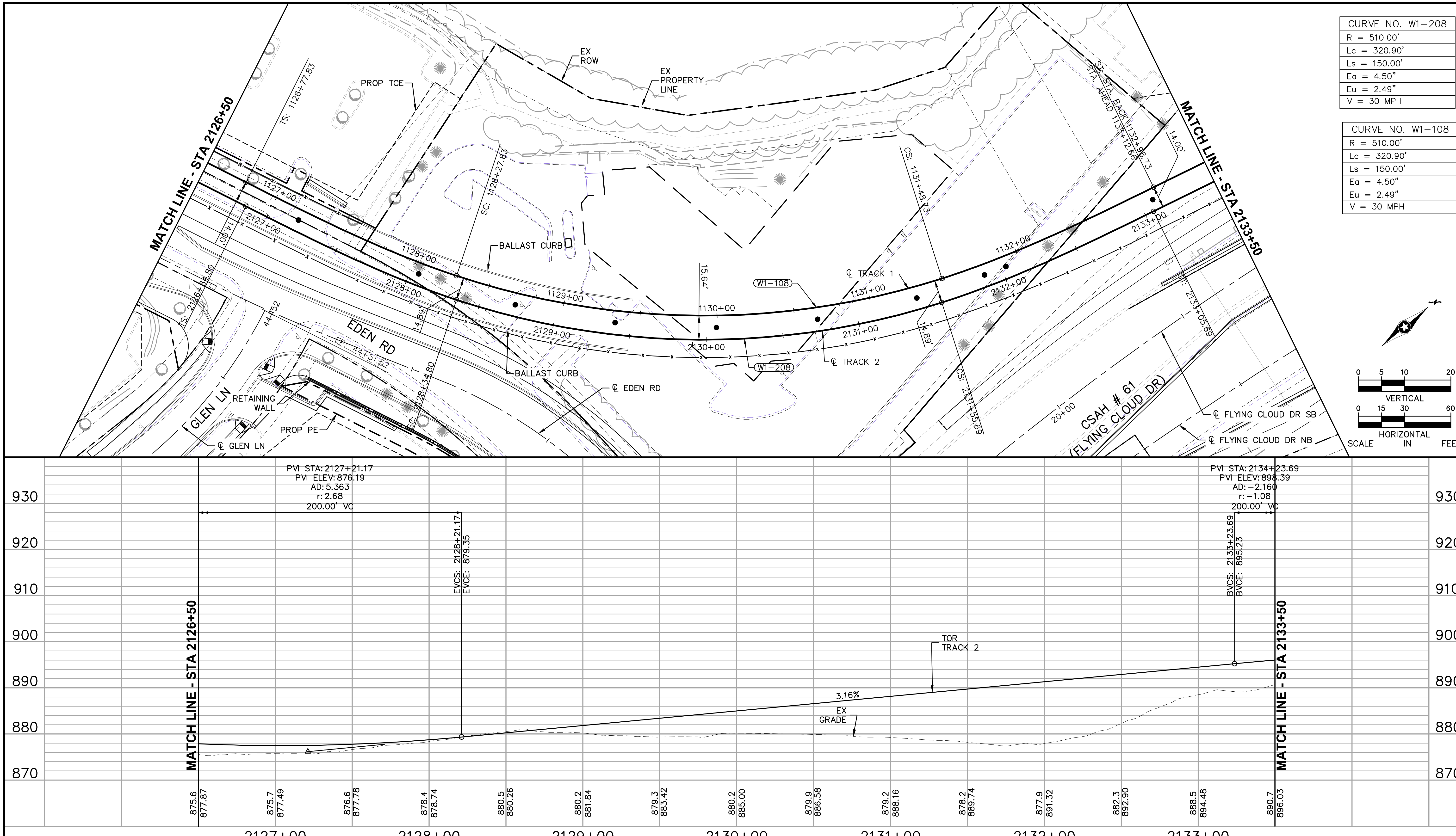
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2120+50 TO STA 2126+50

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-PRF - 008

SHEET 165 OF 211

Jan. 18 2016 08:17 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-PRF.dwg By: MaurisBM



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Jan. 18 2016 08:17 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-PRF.dwg By: MaurisBM

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

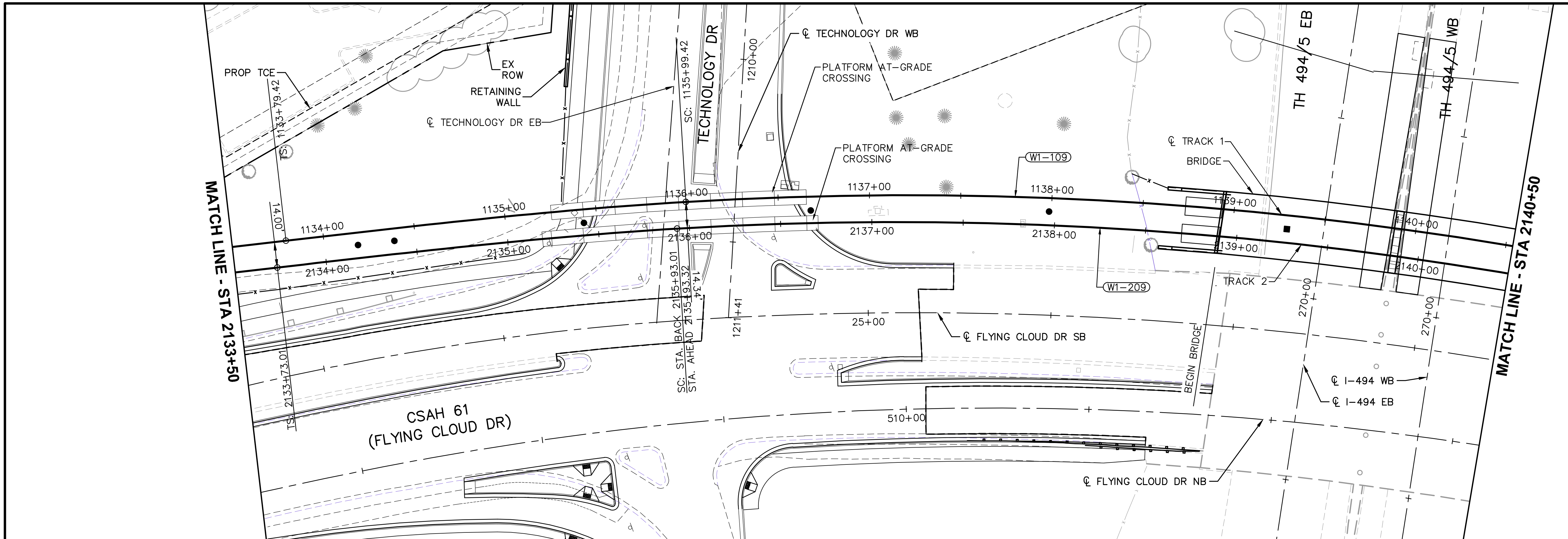
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2126+50 TO STA 2133+50

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-PRF - 009

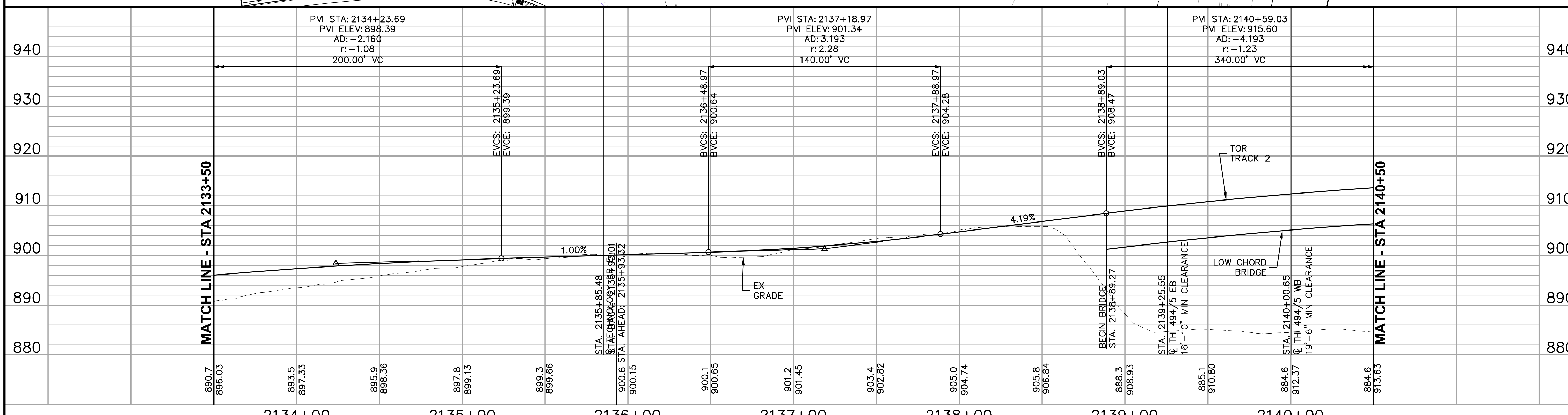
SHEET 166 OF 211



CURVE NO. W1-209
R = 2000.00'
Lc = 1498.32'
Ls = 220.00'
Ea = 1.00"
Eu = 3.95"
V = 50 MPH

CURVE NO. W1-109
R = 2000.00'
Lc = 1498.32'
Ls = 220.00'
Ea = 1.00"
Eu = 3.95"
V = 50 MPH

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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

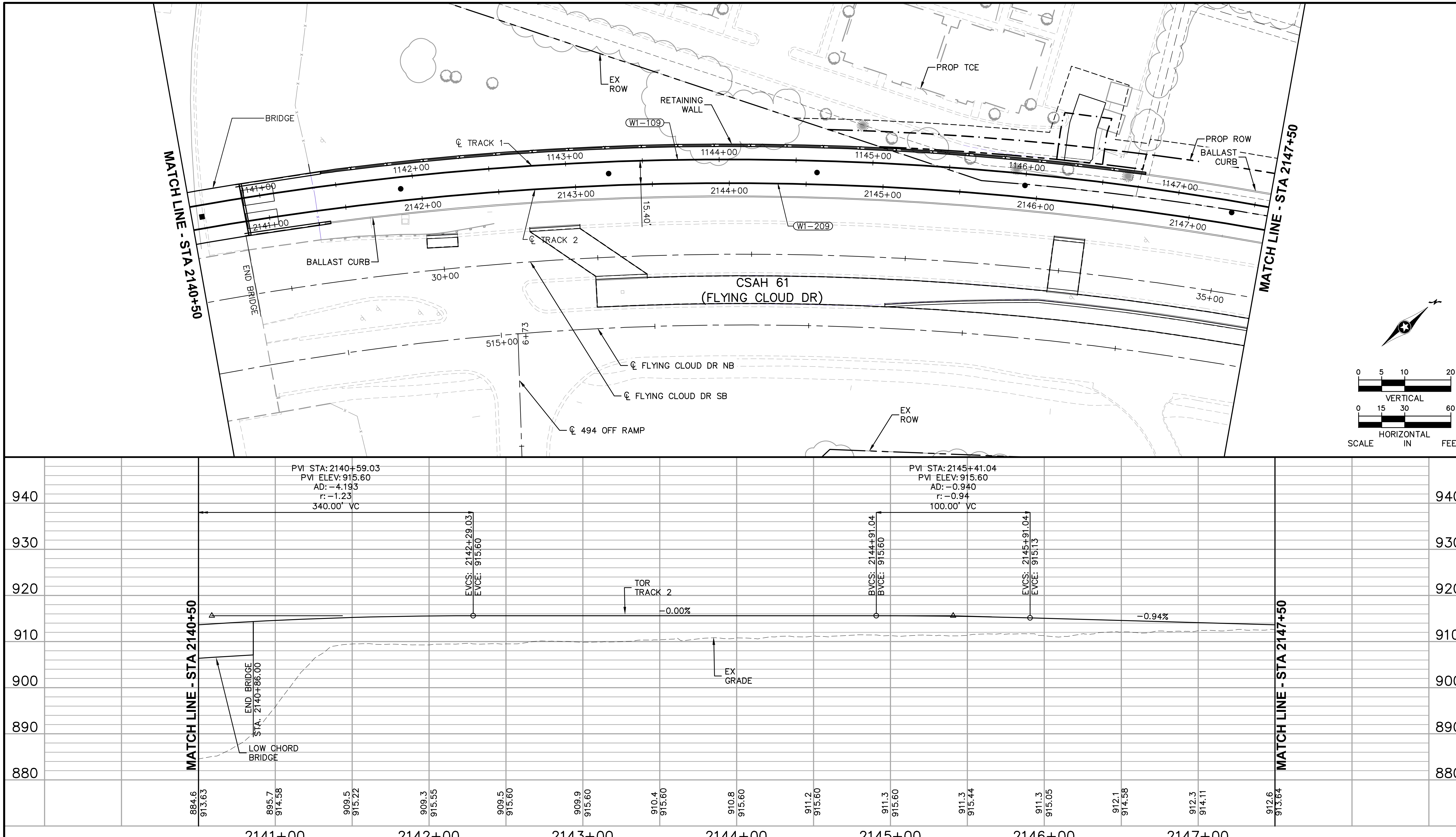
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2133+50 TO STA 2140+50

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-PRF - 010

SHEET 167 OF 211

Jan, 18 2016 08:18 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-PRF.dwg By: MaurisBM



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

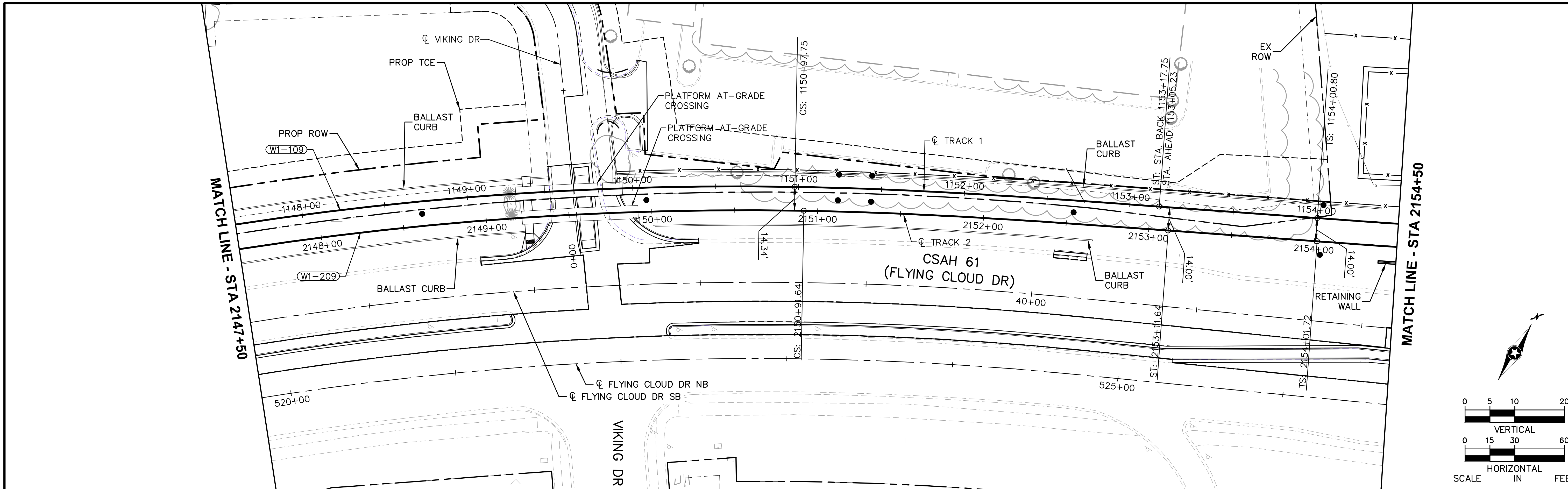
METROPOLITAN COUNCIL

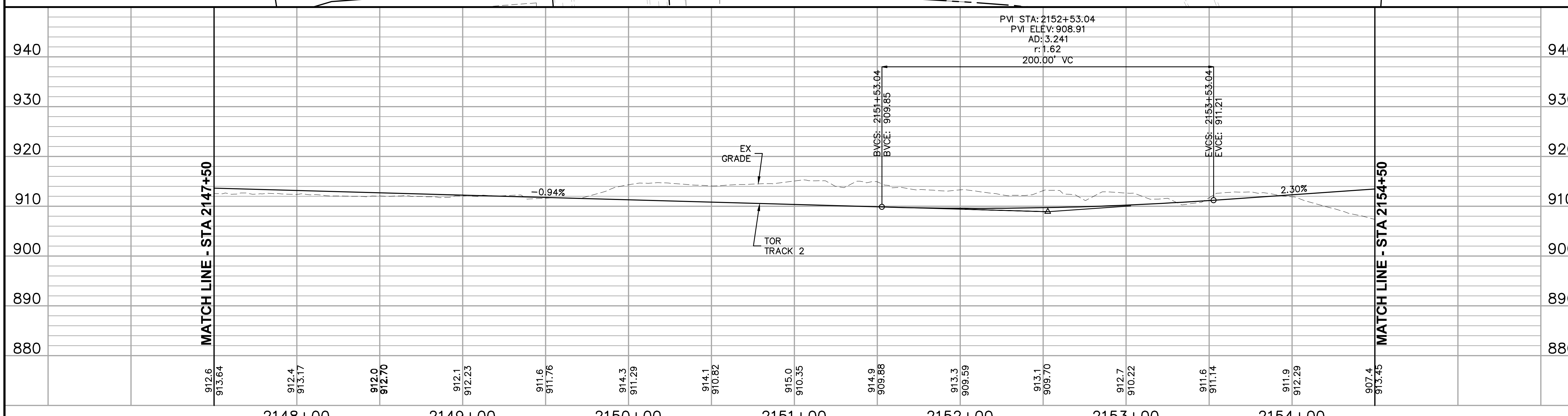
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2140+50 TO STA 2147+50

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-PRF - 011





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

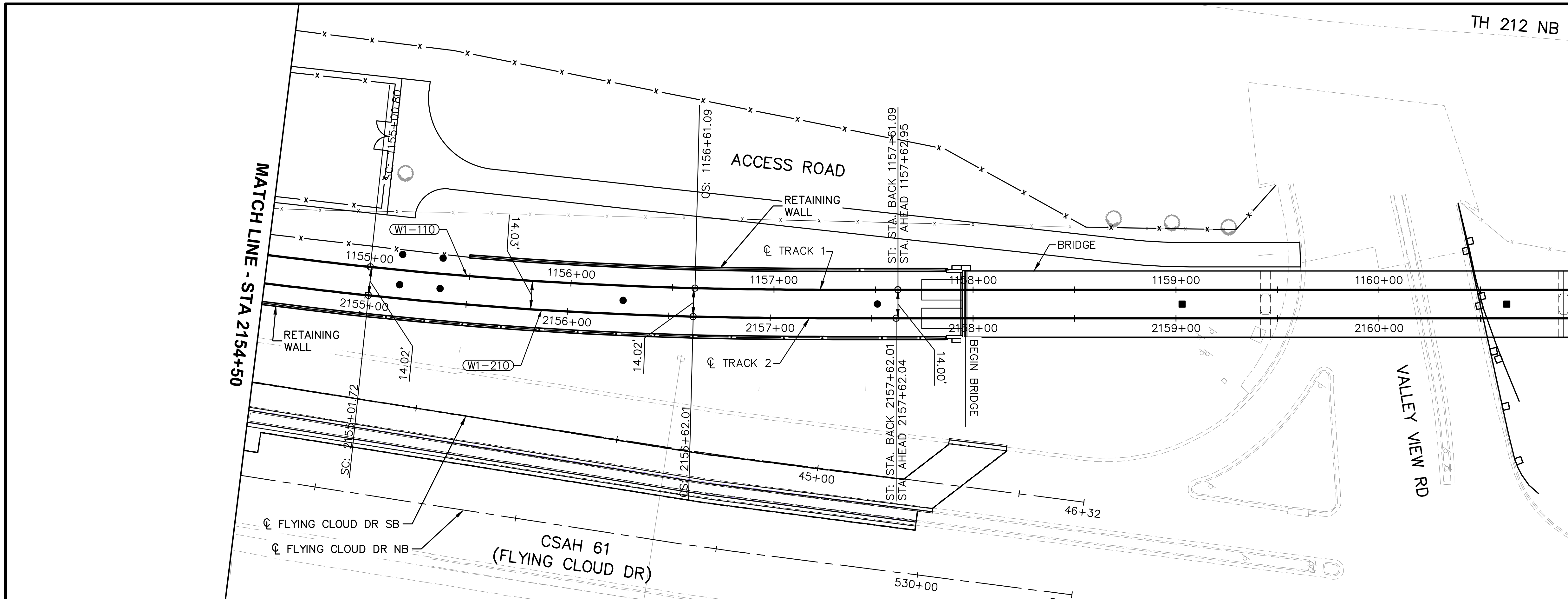
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2147+50 TO STA 2154+50

DISCIPLINE: TRACK

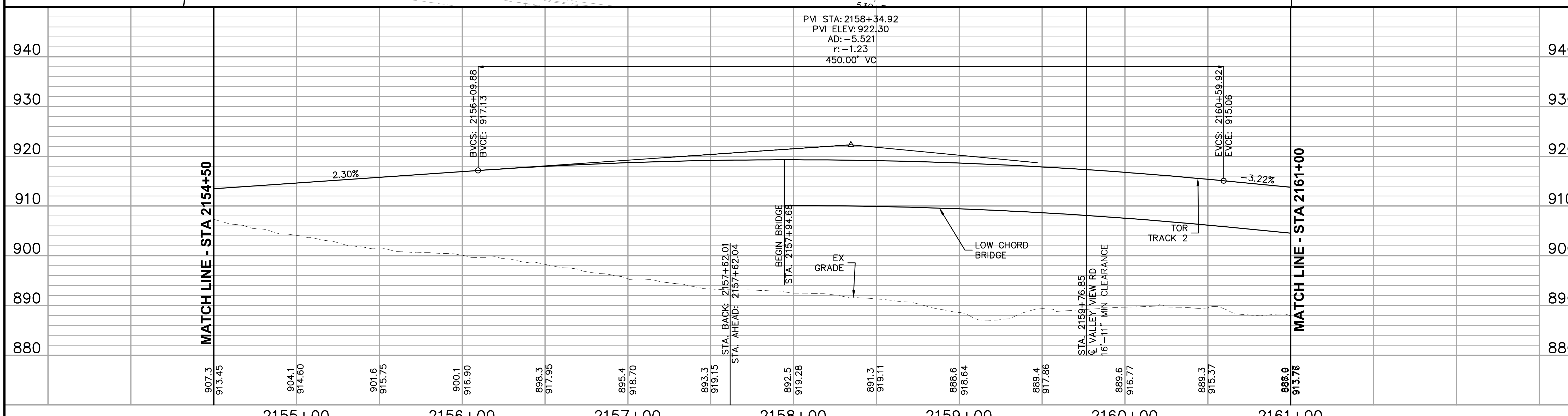
SHEET NAME: W1-TRK-PRF - 012



CURVE NO. W1-210
R = 2000.00'
Lc = 160.29'
Ls = 100.00'
Ea = 2.00"
Eu = 2.01"
V = 45 MPH

CURVE NO. W1-110
R = 2000.00'
Lc = 160.29'
Ls = 100.00'
Ea = 2.00"
Eu = 2.01"
V = 45 MPH

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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

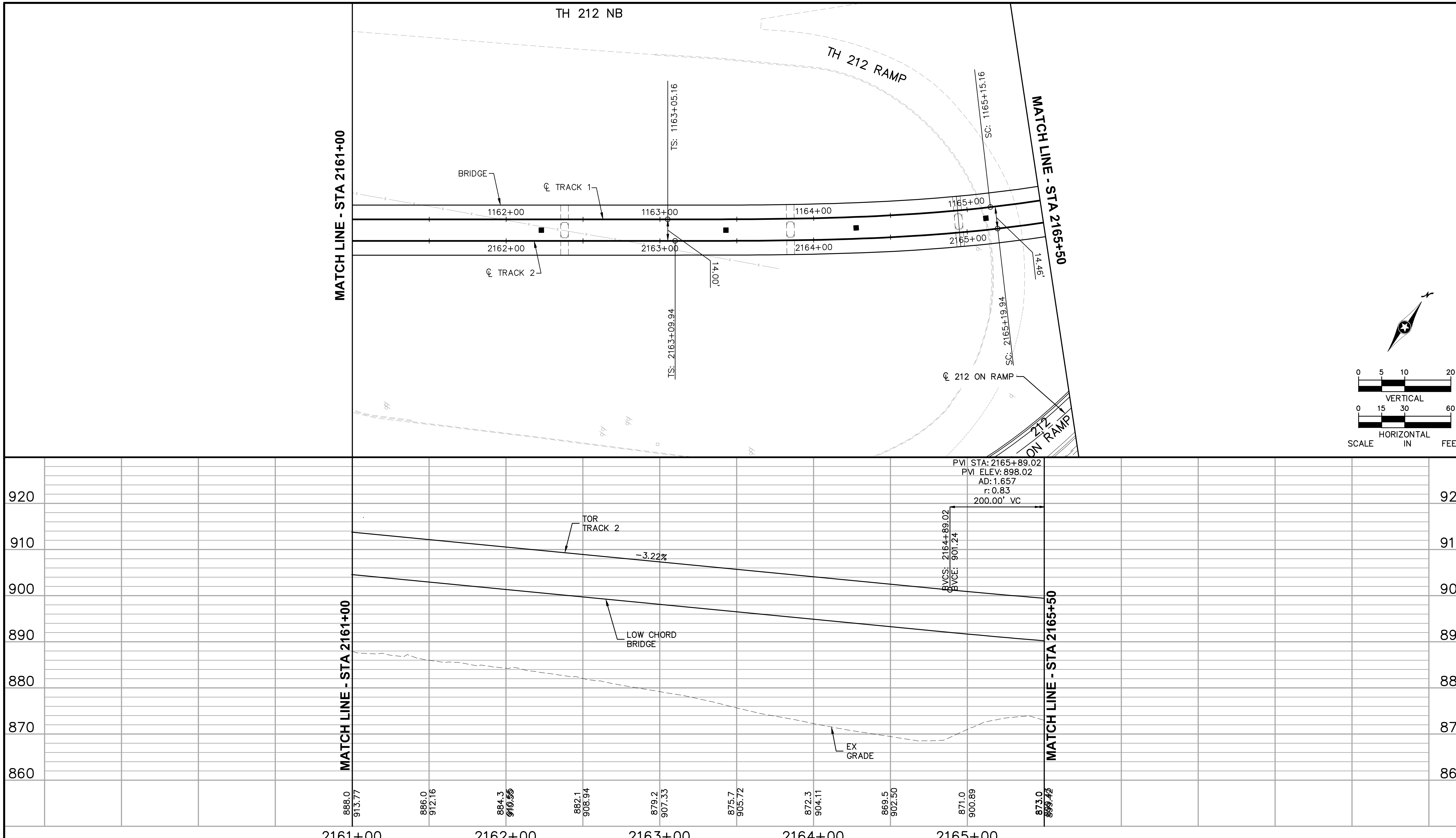
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2154+50 TO STA 2161+00

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-PRF - 013

SHEET 170 OF 211

Jan, 18 2016 08:21 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-PRF.dwg By: MaurisBM



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

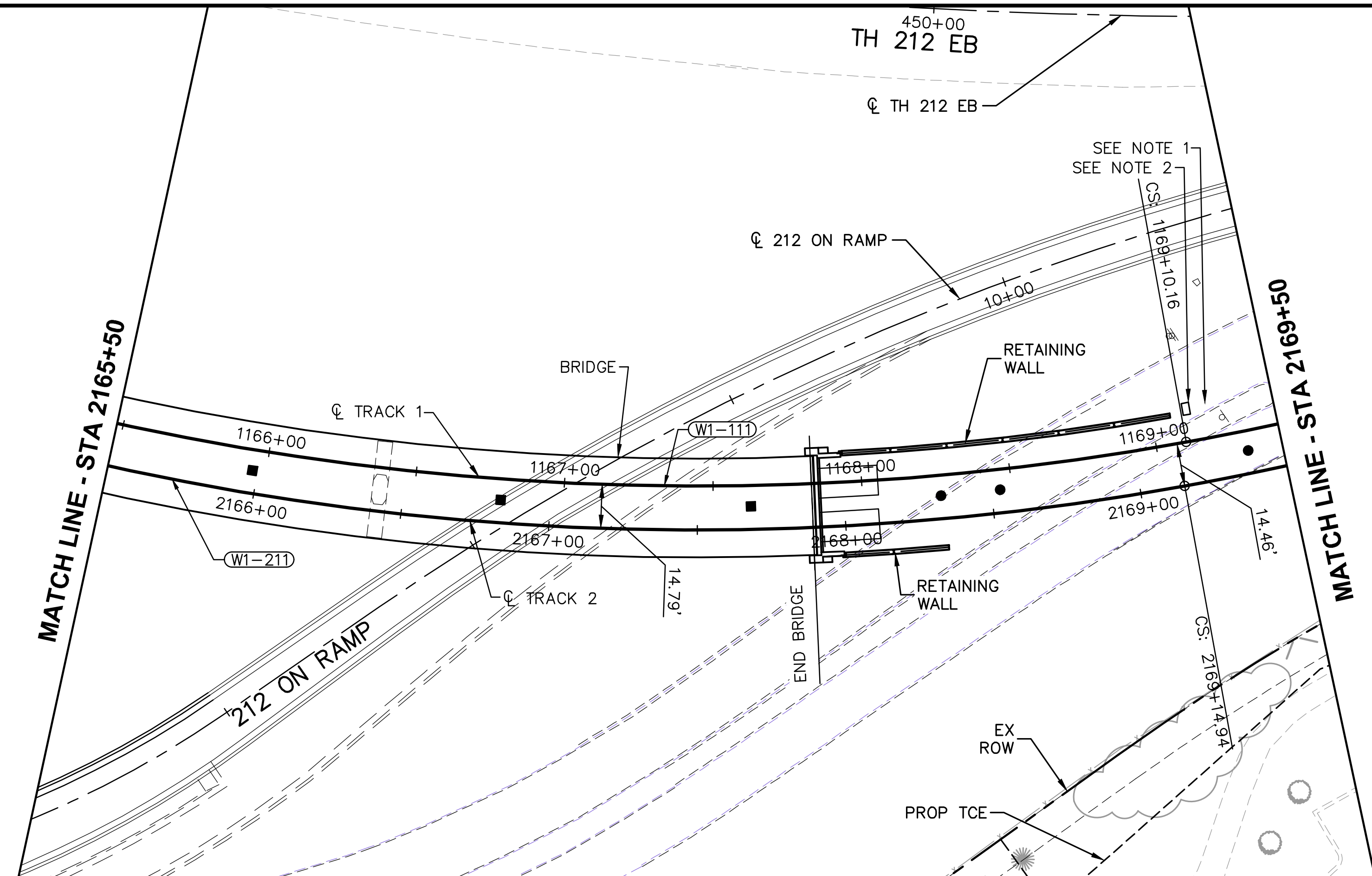
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2161+00 TO STA 2165+50

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-PRF - 014

SHEET 171 OF 211

Jan, 18 2016 08:21 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-PRF.dwg By: MaurisBM

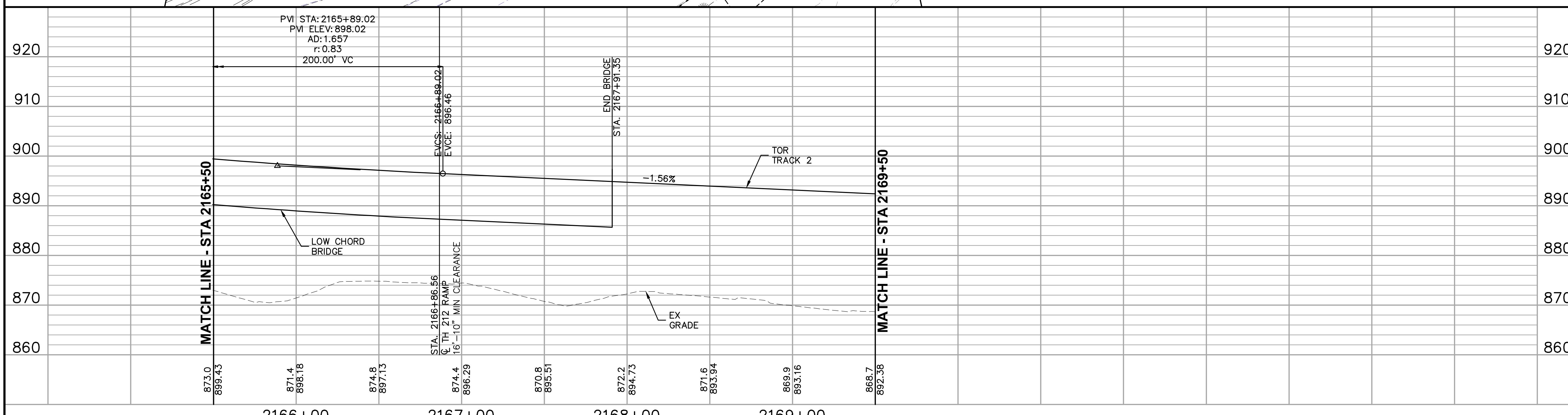


CURVE NO. W1-211
R = 920.00'
Lc = 395.00'
Ls = 210.00'
Ea = 4.50"
Eu = 4.22"
V = 45 MPH

CURVE NO. W1-111
R = 920.00'
Lc = 395.00'
Ls = 210.00'
Ea = 4.50"
Eu = 4.22"
V = 45 MPH

NOTES:
1. SEE SHEETS DTL-225 AND DTL-226 FOR BALLAST SHOULDER WIDENING DETAILS.
2. SEE SYSTEMS PLANS FOR INTRUSION DETECTION CABINET DETAILS.

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



Jan. 18 2016 08:22 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W1-TRK-PRF.dwg By: MaurisBM

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

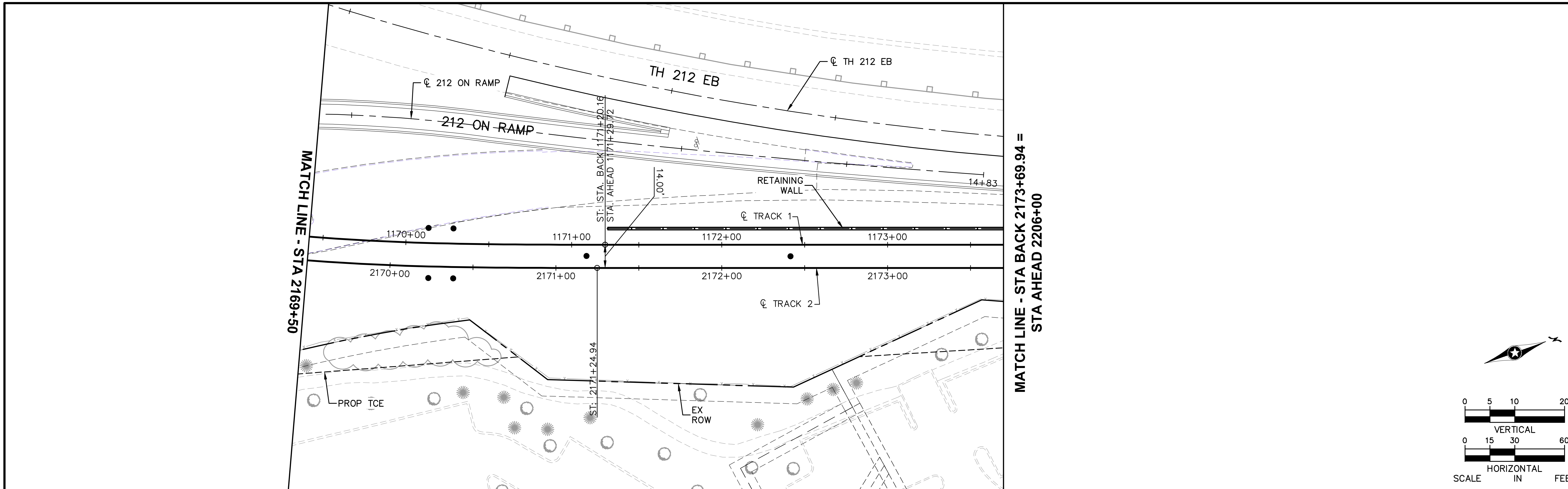
SOUTHWEST Green Line LRT Extension

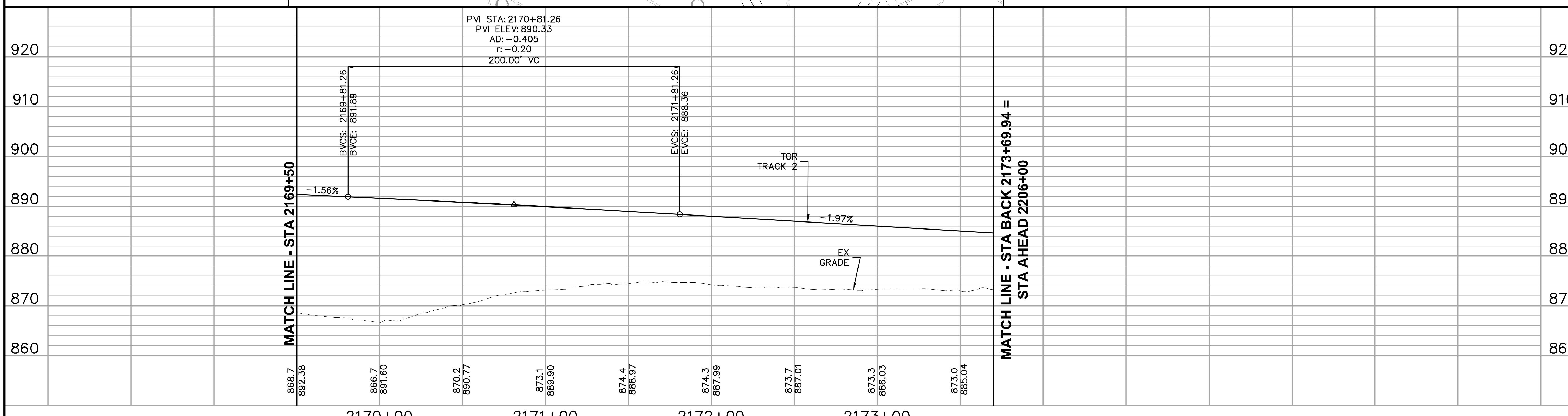
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2165+50 TO STA 2169+50

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-PRF - 015

SHEET 172 OF 211





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

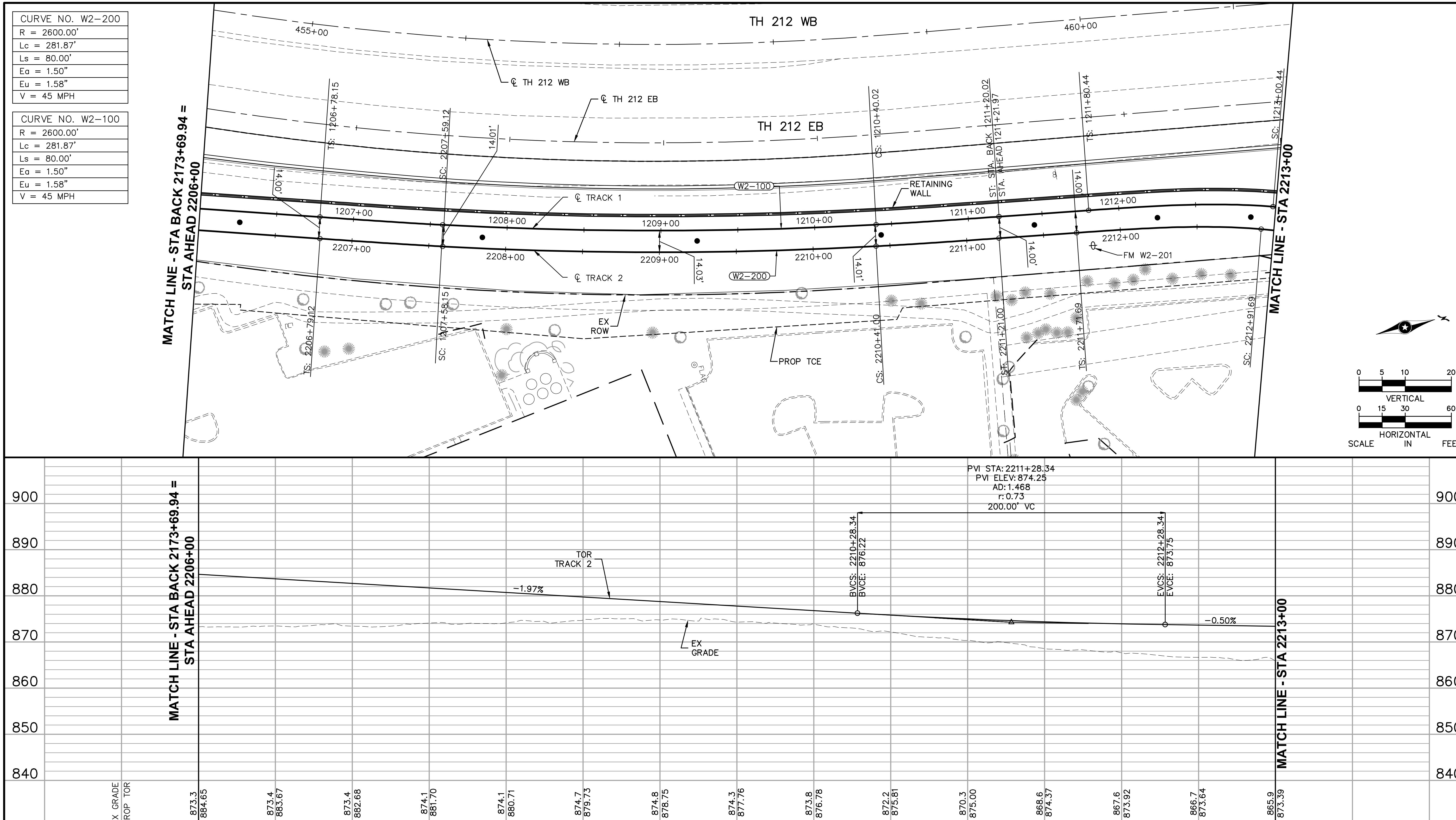
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2169+50 TO STA 2173+69.94

DISCIPLINE: TRACK

SHEET NAME: W1-TRK-PRF - 016



EX GRADE	873.3	873.4	873.4	874.1	874.1	874.7	874.8	874.3	873.8	872.2	870.3	868.6	867.6	866.7	865.9
PROP TOR	884.65	883.67	882.68	881.70	880.71	879.73	878.75	877.76	876.78	875.81	875.00	874.37	873.92	873.64	873.39

2206+00 2207+00 2208+00 2209+00 2210+00 2211+00 2212+00 2213+00

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

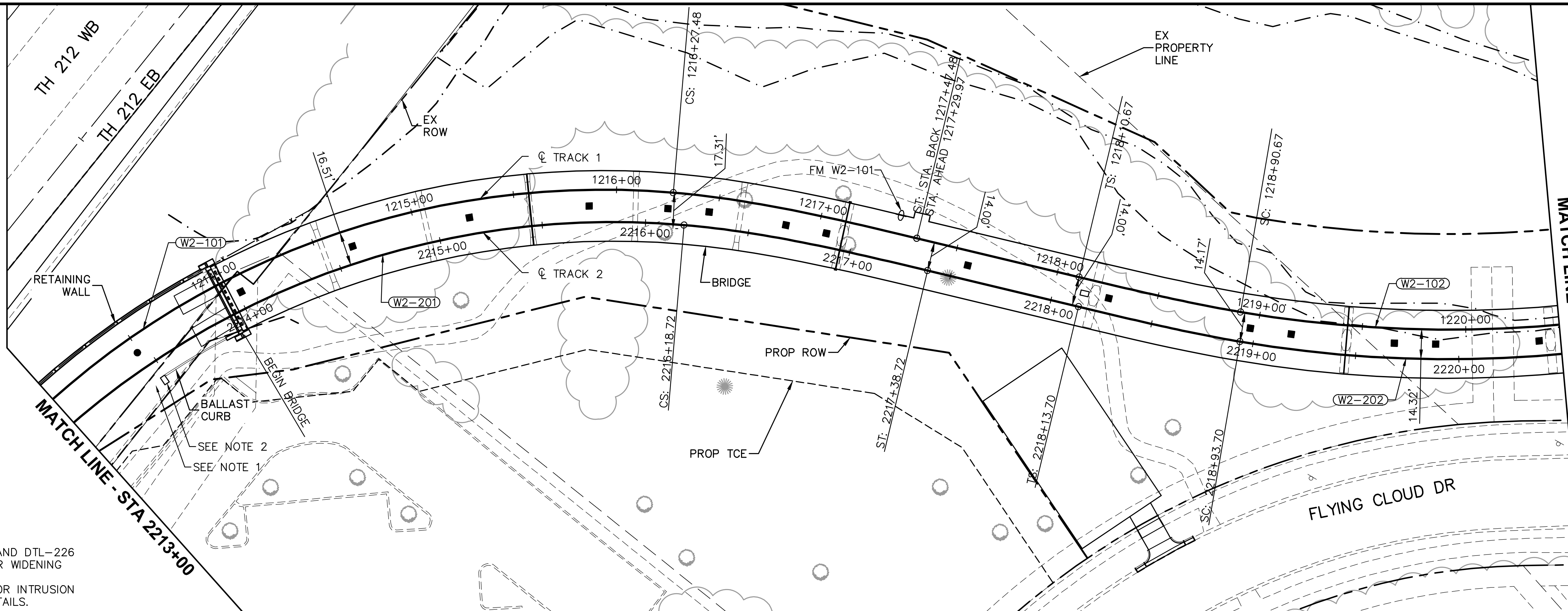
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2206+00 TO STA 2213+00

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 001

CURVE NO. W2-201
R = 400.00'
Lc = 327.04'
Ls = 120.00'
Ea = 3.50"
Eu = 2.69"
V = 25 MPH

CURVE NO. W2-101
R = 400.00'
Lc = 327.04'
Ls = 120.00'
Ea = 3.50"
Eu = 2.69"
V = 25 MPH

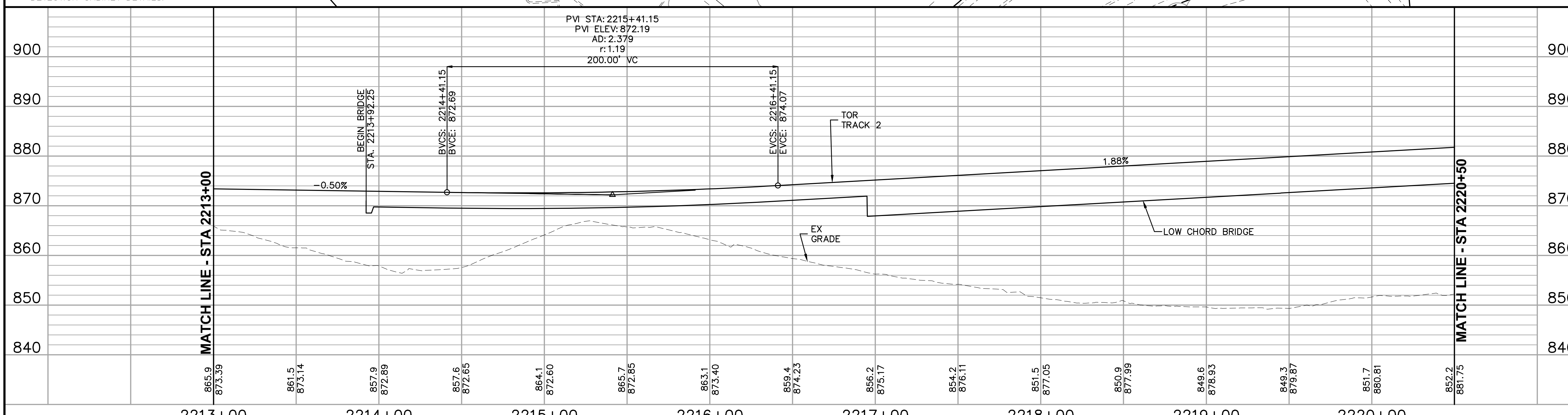


CURVE NO. W2-202
R = 600.00'
Lc = 175.99'
Ls = 80.00'
Ea = 2.25"
Eu = 1.88"
V = 25 MPH

CURVE NO. W2-102
R = 600.00'
Lc = 175.99'
Ls = 80.00'
Ea = 2.25"
Eu = 1.88"
V = 25 MPH

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

NOTES:
1. SEE SHEETS DTL-225 AND DTL-226 FOR BALLAST SHOULDER WIDENING DETAILS.
2. SEE SYSTEMS PLANS FOR INTRUSION DETECTION CABINET DETAILS.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

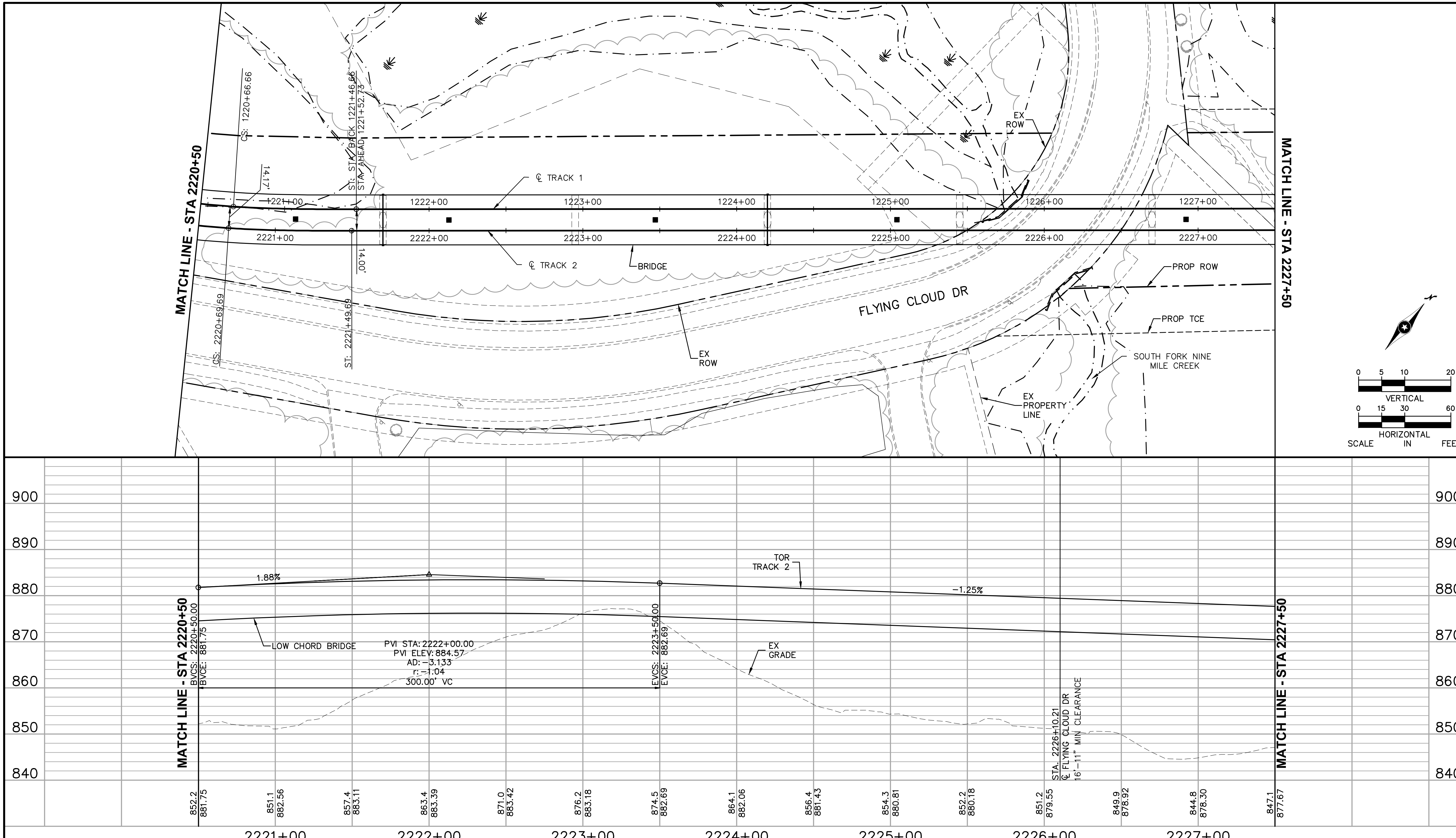
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2213+00 TO STA 2220+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 002

SHEET 175 OF 211

Jan, 18 2016 08:31 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-PRF.dwg By: MaurisBM



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

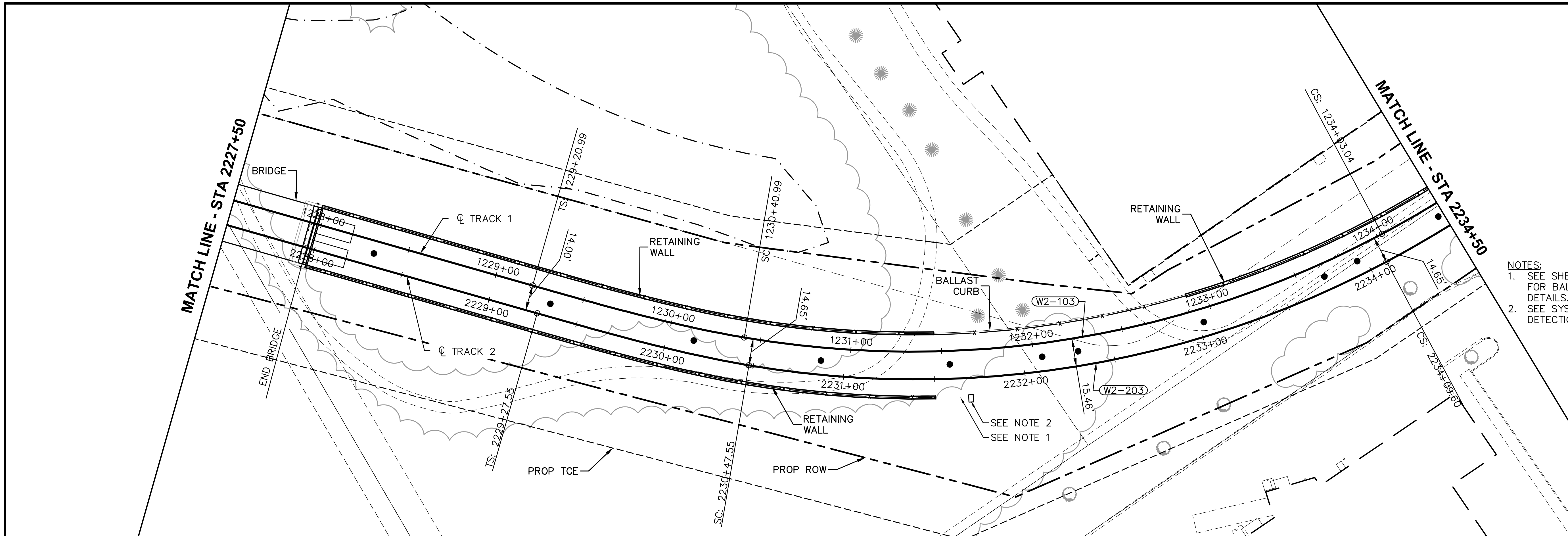
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2220+50 TO STA 2227+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 003

SHEET 176 OF 211

Jan, 18 2016 08:32 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-PRF.dwg By: MaurisBM

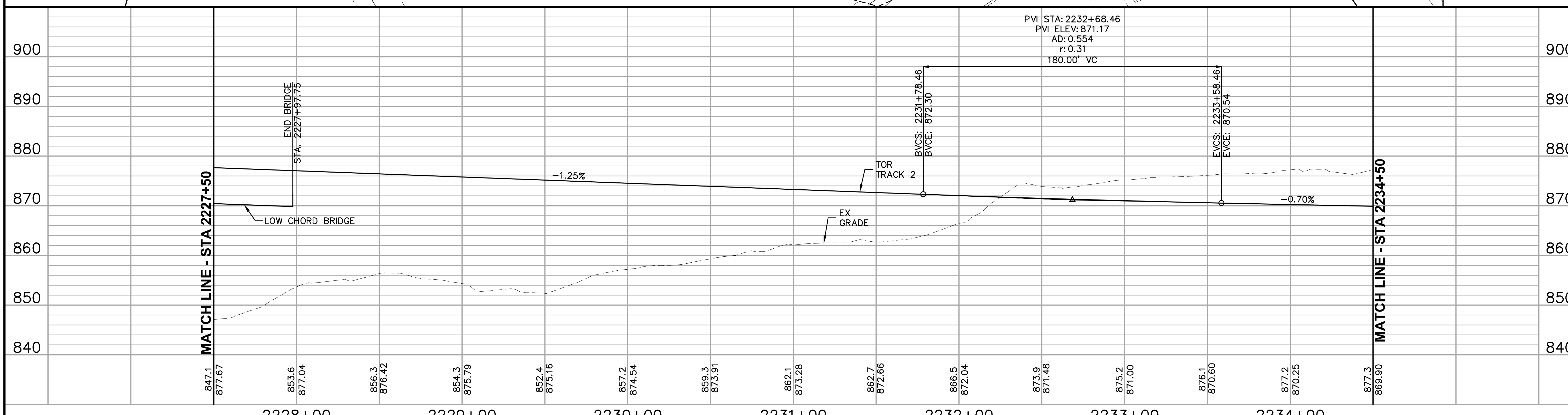


CURVE NO. W2-203
R = 550.00'
Lc = 362.05'
Ls = 120.00'
Ea = 3.50"
Eu = 2.98"
V = 30 MPH

CURVE NO. W2-103
R = 550.00'
Lc = 362.05'
Ls = 120.00'
Ea = 3.50"
Eu = 2.98"
V = 30 MPH

NOTES:
1. SEE SHEETS DTL-225 AND DTL-226 FOR BALLAST SHOULDER WIDENING DETAILS.
2. SEE SYSTEMS PLANS FOR INTRUSION DETECTION CABINET DETAILS.

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



Jan, 18 2016 08:33 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-PRF.dwg By: MaurisBM

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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90% SUBMISSION - 01/22/16

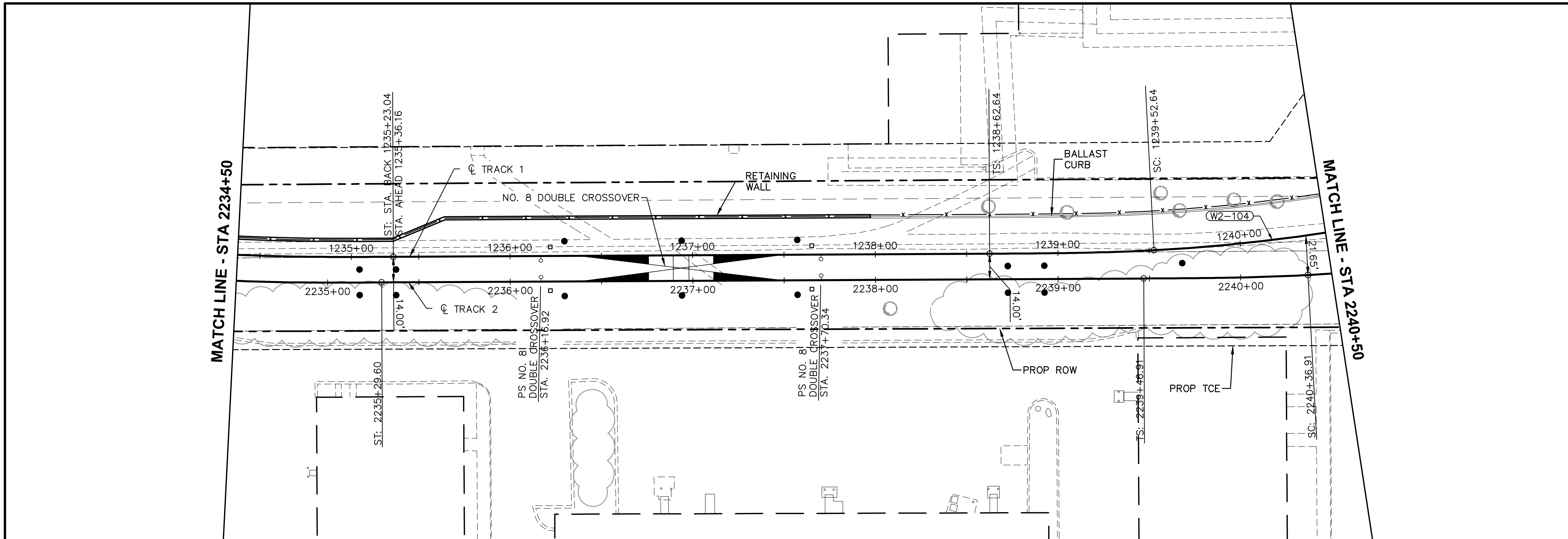
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2227+50 TO STA 2234+50

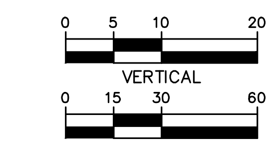
DISCIPLINE: TRACK

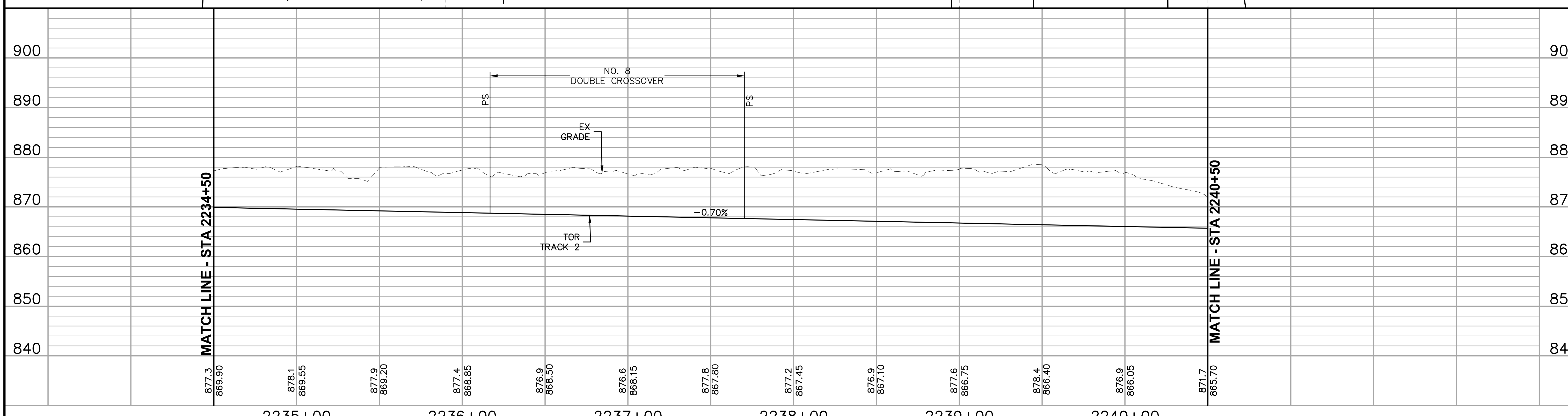
SHEET NAME: W2-TRK-PRF - 004



CURVE NO. W2-204
R = 950.00'
Lc = 98.95'
Ls = 90.00'
Ea = 1.00"
Eu = 2.75"
V = 30 MPH

CURVE NO. W2-104
R = 950.00'
Lc = 98.95'
Ls = 90.00'
Ea = 1.00"
Eu = 2.75"
V = 30 MPH





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

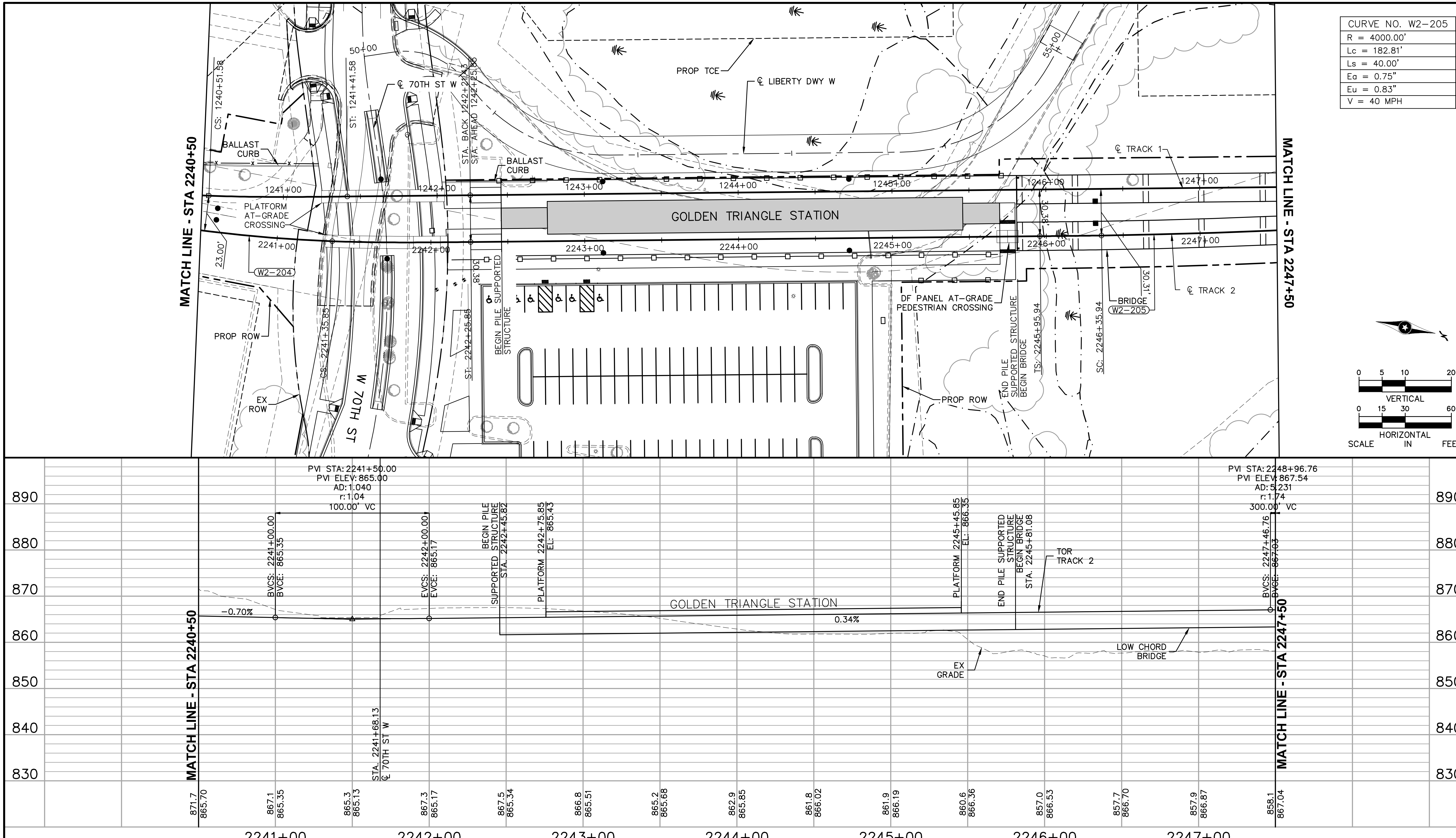
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2234+50 TO STA 2240+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 005



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

90% SUBMISSION - 01/22/16

AECOM

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

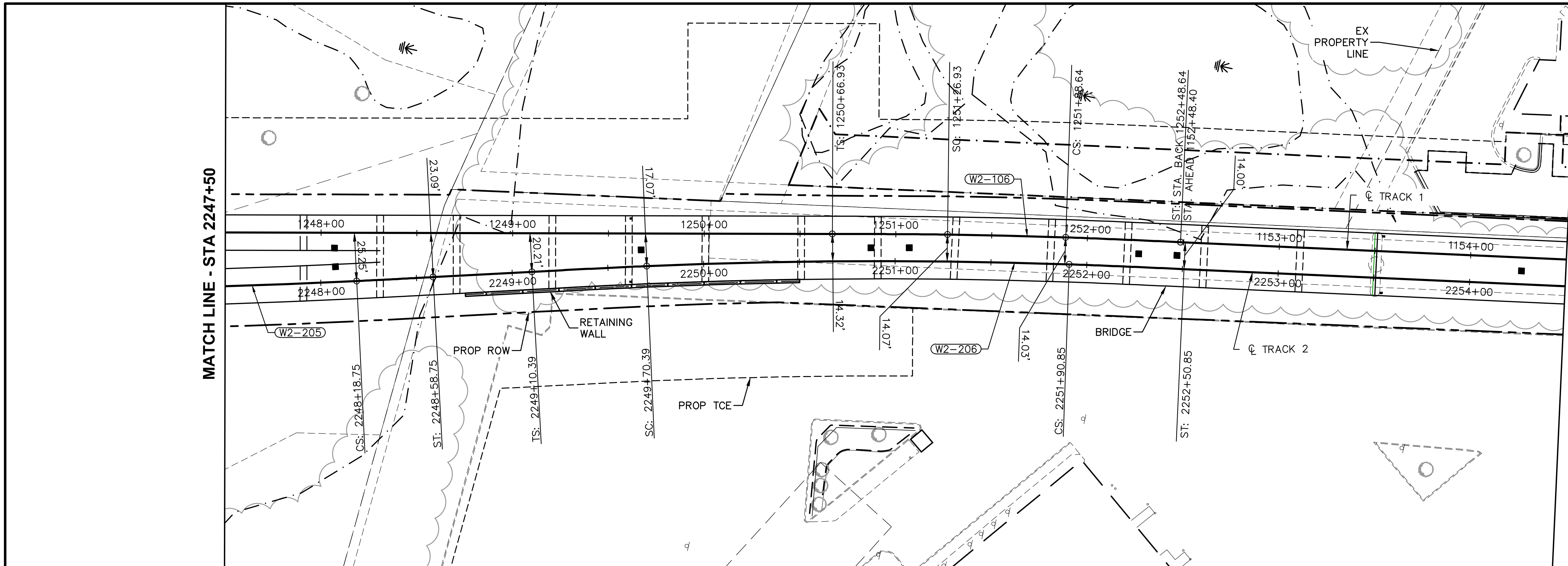
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2240+50 TO STA 2247+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 006

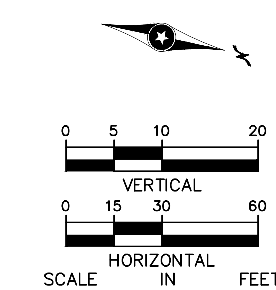
SHEET 179 OF 211

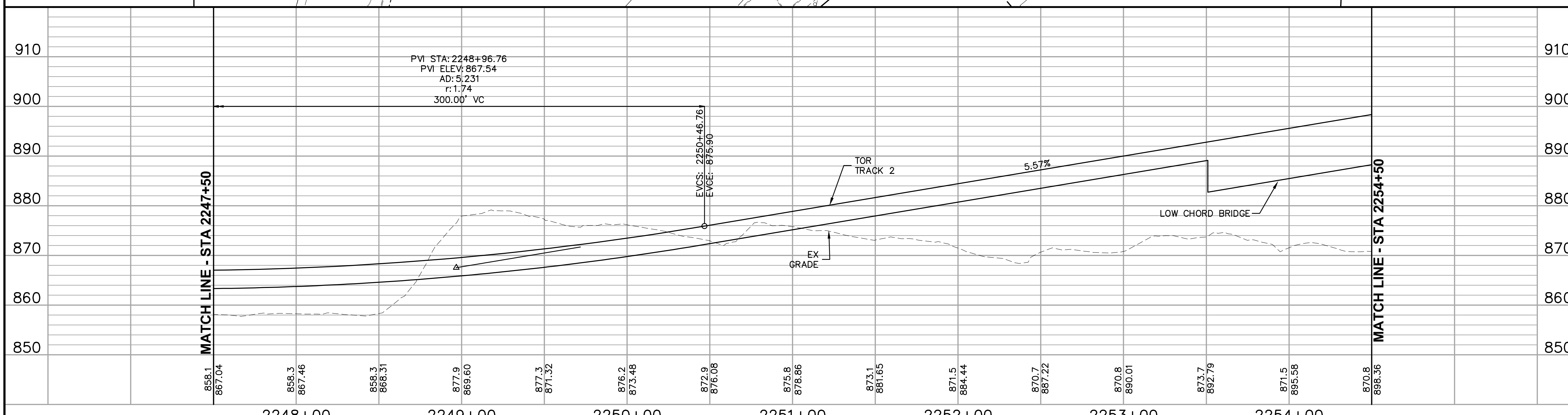
Jan, 18 2016 08:34 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-PRF.dwg By: MaurisBM



CURVE NO. W2-206
R = 2850.00'
Lc = 220.46'
Ls = 60.00'
Ea = 1.00"
Eu = 1.22"
V = 40 MPH

CURVE NO. W2-106
R = 2850.00'
Lc = 61.71'
Ls = 60.00'
Ea = 1.00"
Eu = 1.22"
V = 40 MPH





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

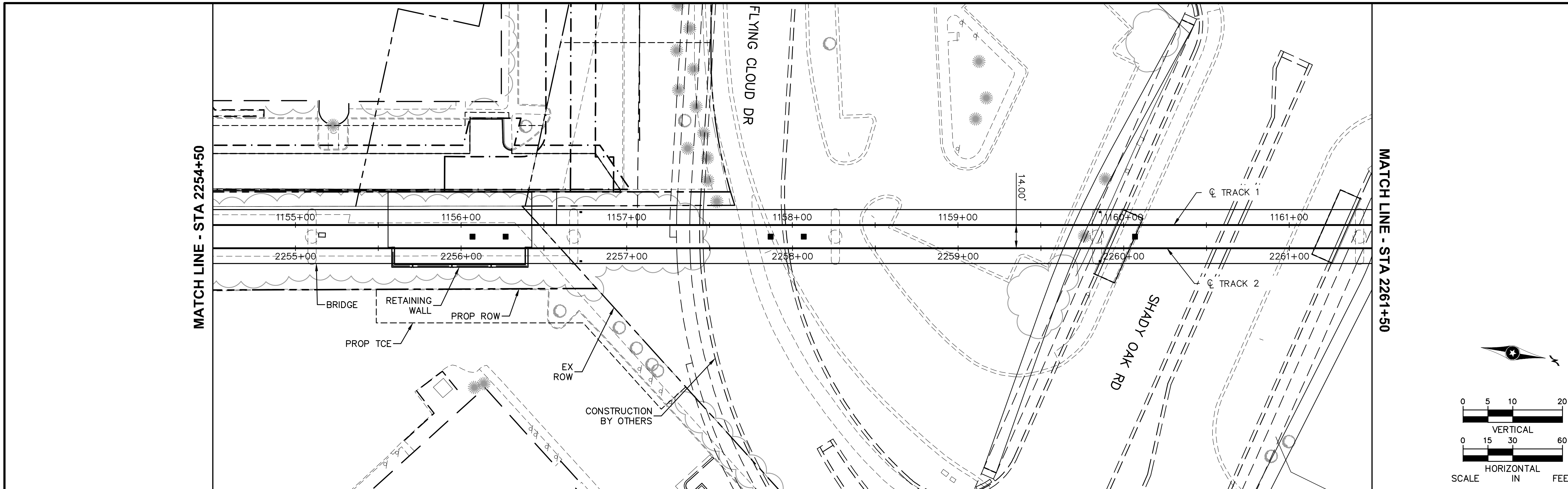
METROPOLITAN COUNCIL

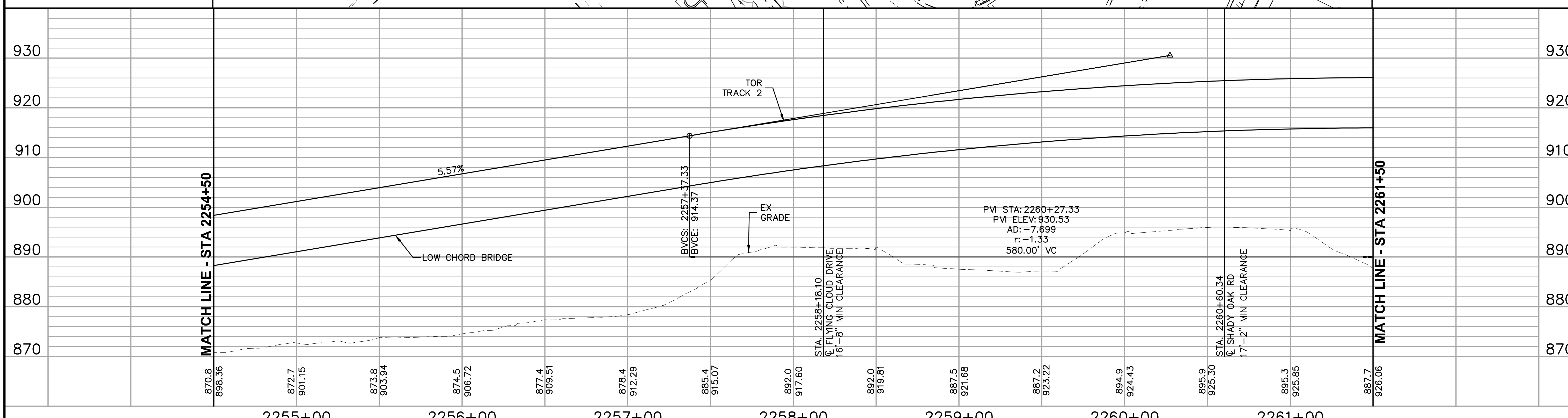
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2247+50 TO STA 2254+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 007





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

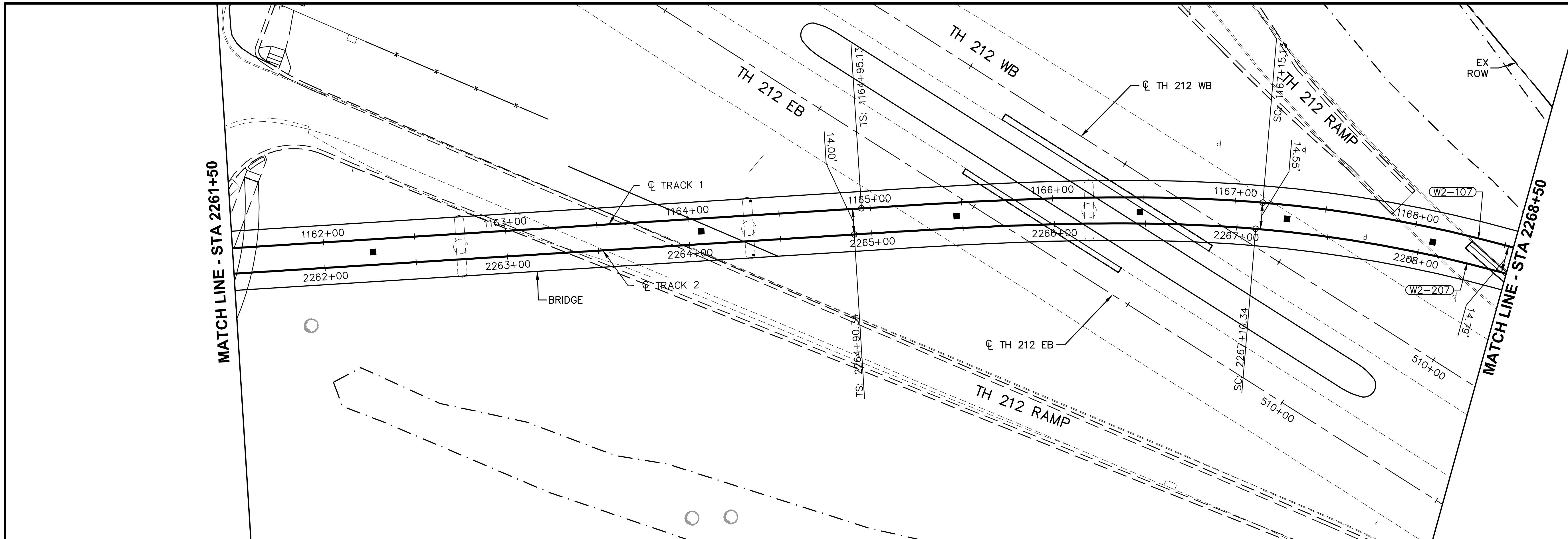
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2254+50 TO STA 2261+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 008

SHEET 181 OF 211

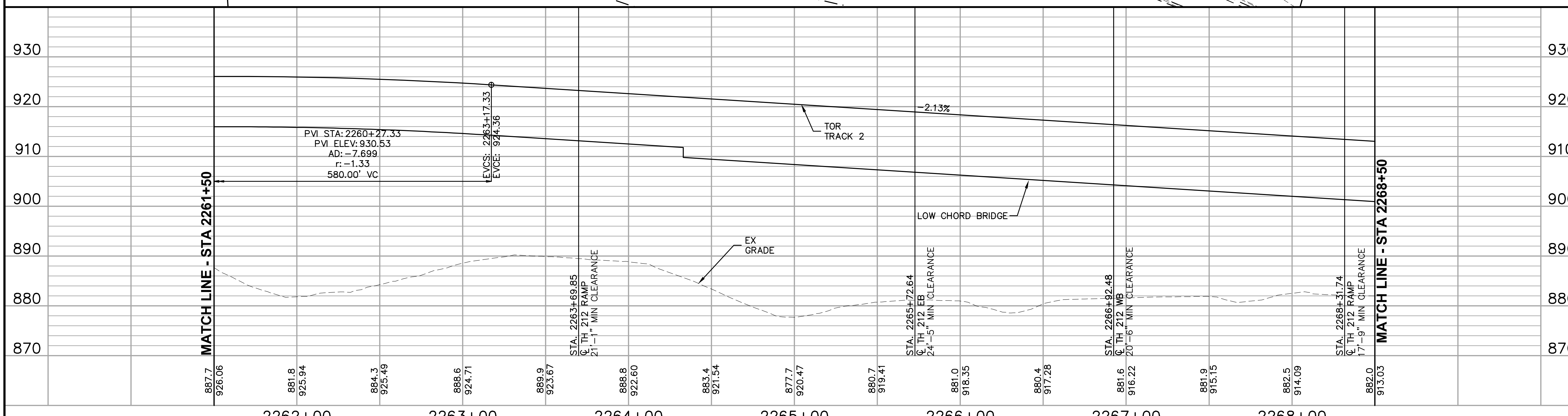
Jan, 18 2016 08:36 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-PRF.dwg By: MaurisBM



CURVE NO. W2-207
R = 750.00'
Lc = 273.78'
Ls = 220.00'
Ea = 4.00"
Eu = 4.45"
V = 40 MPH

CURVE NO. W2-107
R = 750.00'
Lc = 273.78'
Ls = 220.00'
Ea = 4.00"
Eu = 4.45"
V = 40 MPH

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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

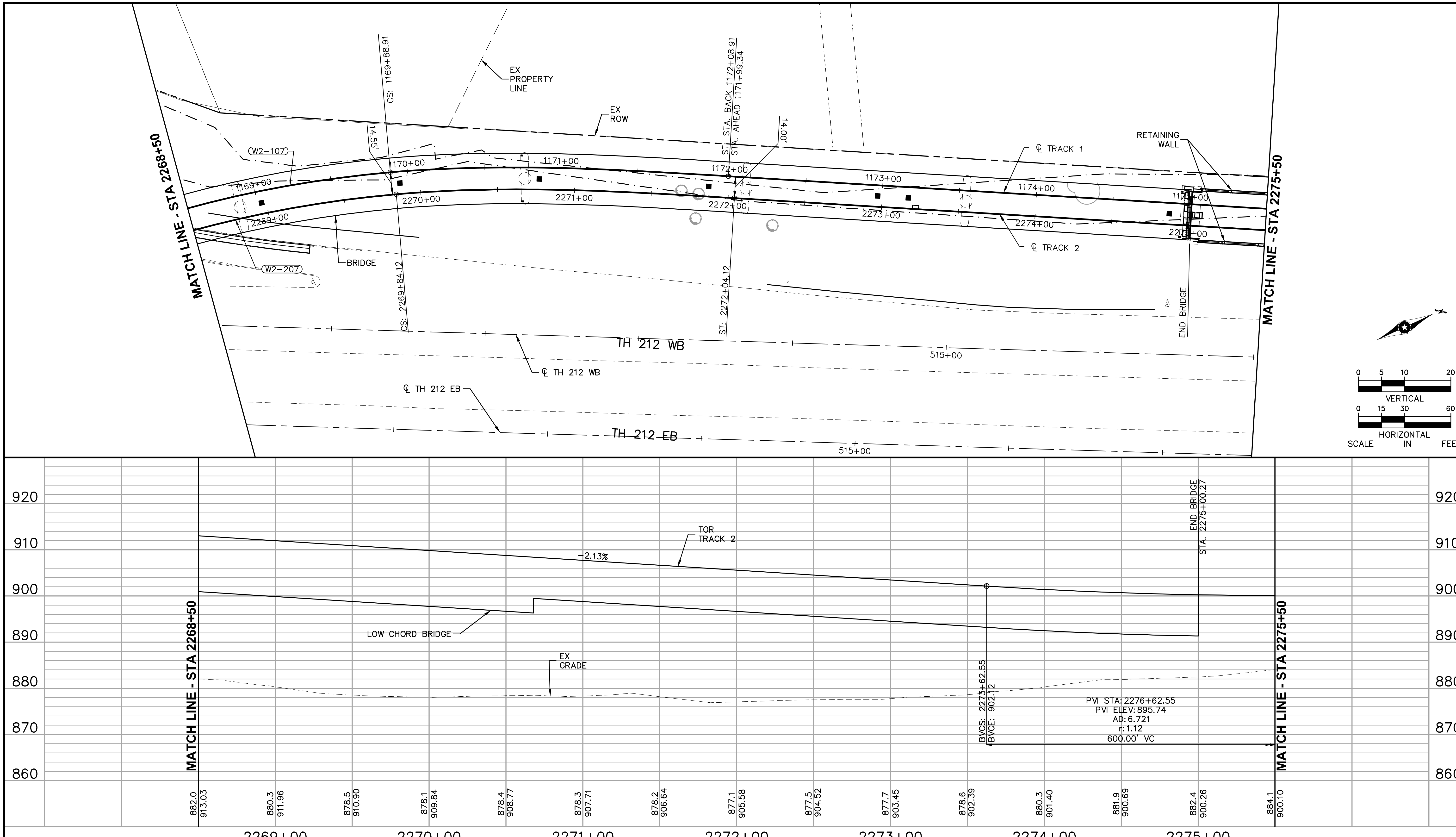
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2261+50 TO STA 2268+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 009

SHEET 182 OF 211

Jan, 18 2016 08:37 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-PRF.dwg By: MaurisBM



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

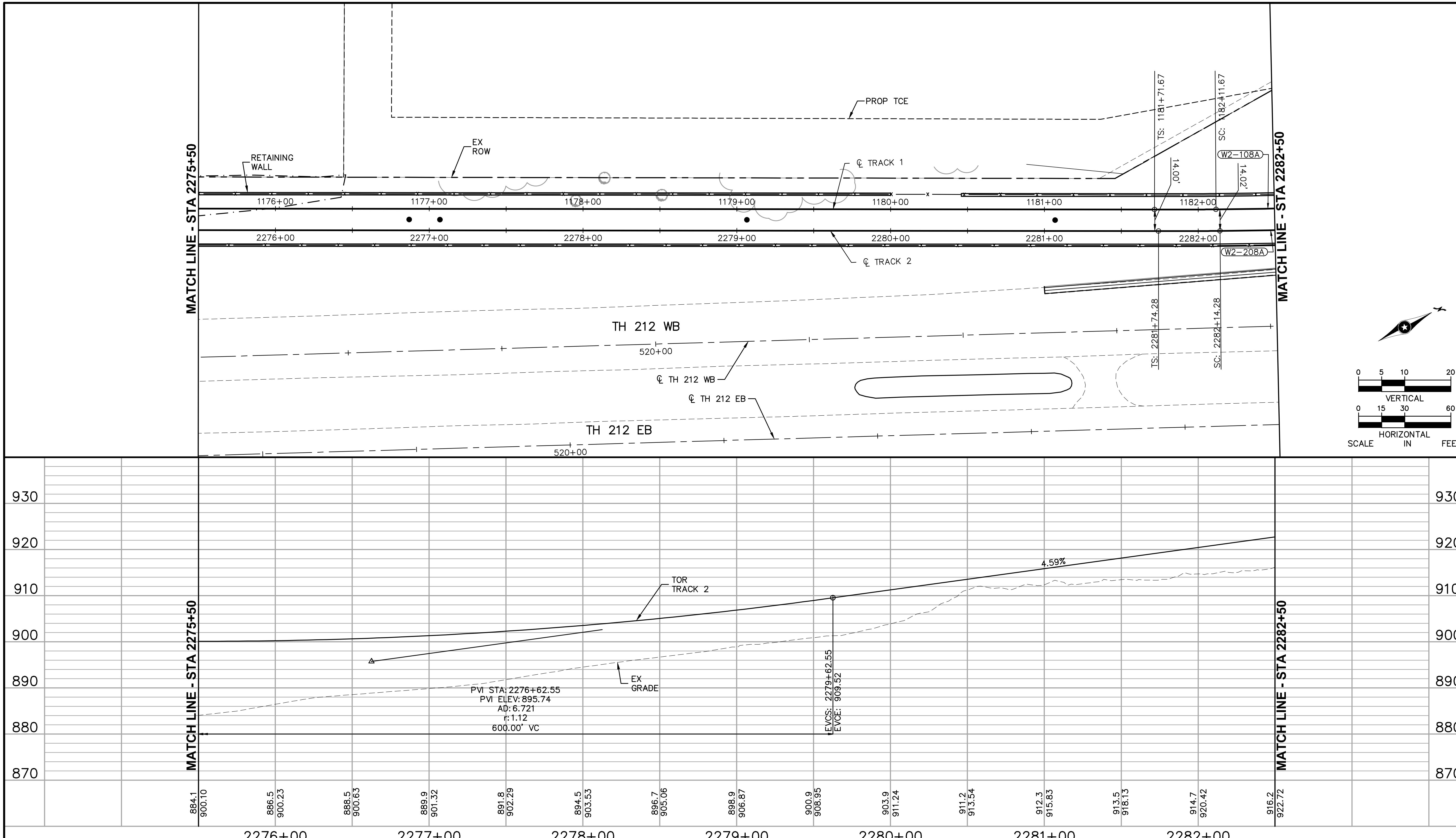
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2268+50 TO STA 2275+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 010

SHEET 183 OF 211

Jan, 18 2016 08:38 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-PRF.dwg By: MaurisBM



Jan, 18 2016 08:38 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-PRF.dwg By: MaurisBM

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2275+50 TO STA 2282+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 011

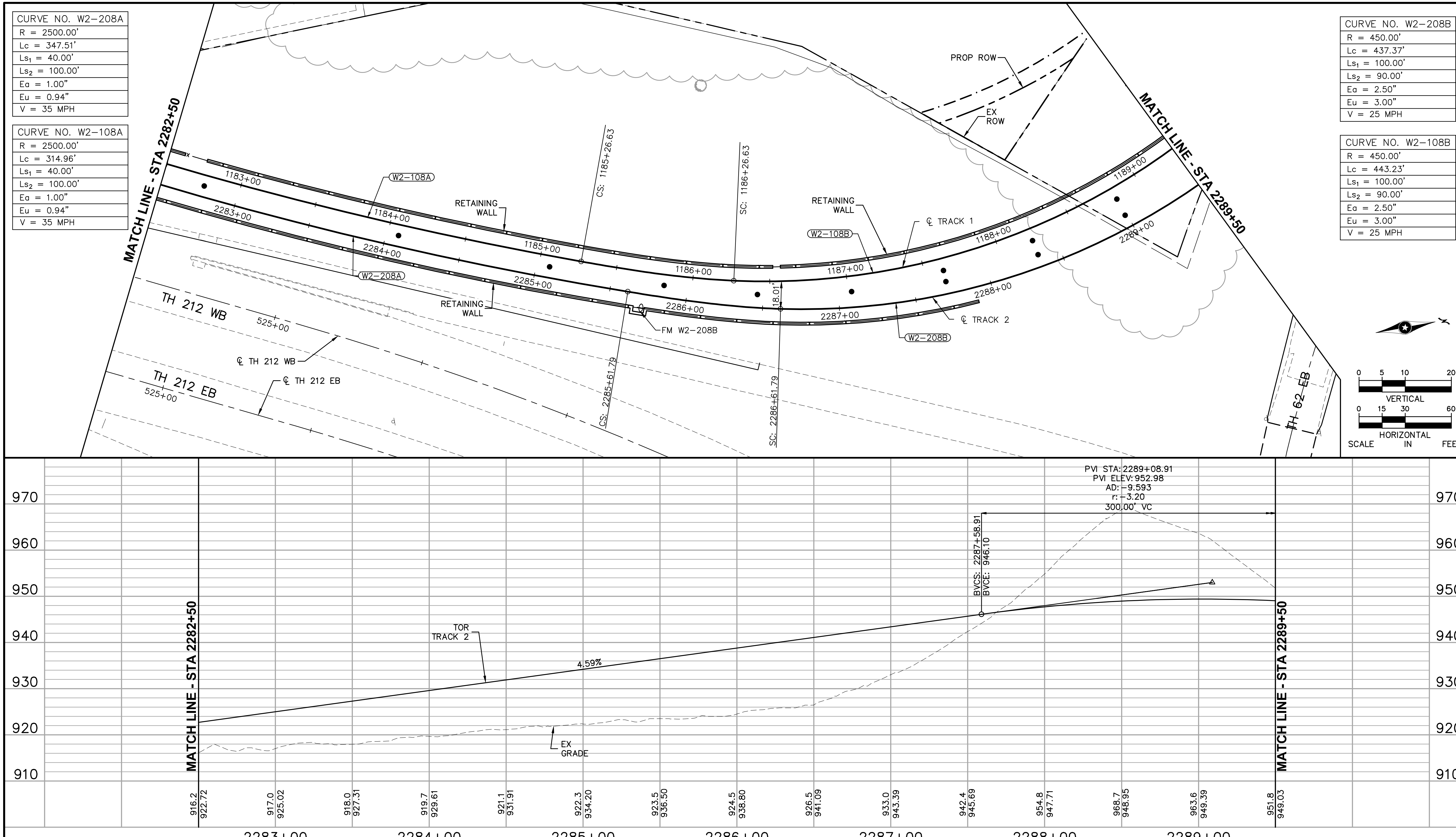
SHEET 184 OF 211

CURVE NO. W2-208A
R = 2500.00'
Lc = 347.51'
Ls_1 = 40.00'
Ls_2 = 100.00'
Ea = 1.00"
Eu = 0.94"
V = 35 MPH

CURVE NO. W2-108A
R = 2500.00'
Lc = 314.96'
Ls_1 = 40.00'
Ls_2 = 100.00'
Ea = 1.00"
Eu = 0.94"
V = 35 MPH

CURVE NO. W2-208B
R = 450.00'
Lc = 437.37'
Ls_1 = 100.00'
Ls_2 = 90.00'
Ea = 2.50"
Eu = 3.00"
V = 25 MPH

CURVE NO. W2-108B
R = 450.00'
Lc = 443.23'
Ls_1 = 100.00'
Ls_2 = 90.00'
Ea = 2.50"
Eu = 3.00"
V = 25 MPH



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

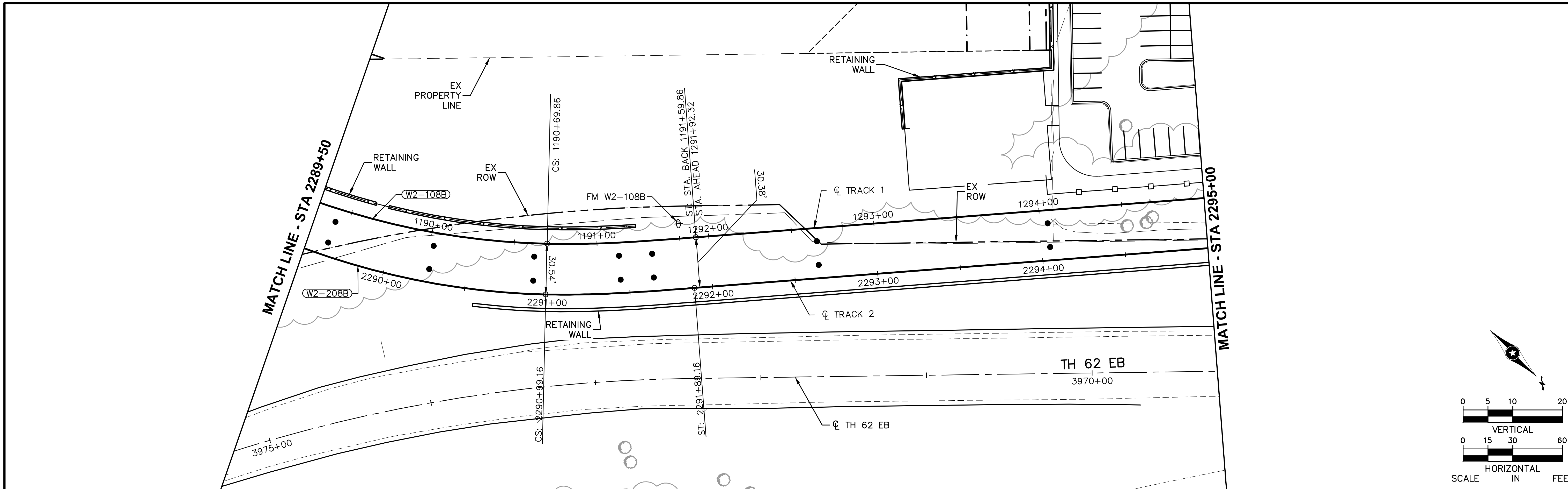
METROPOLITAN COUNCIL

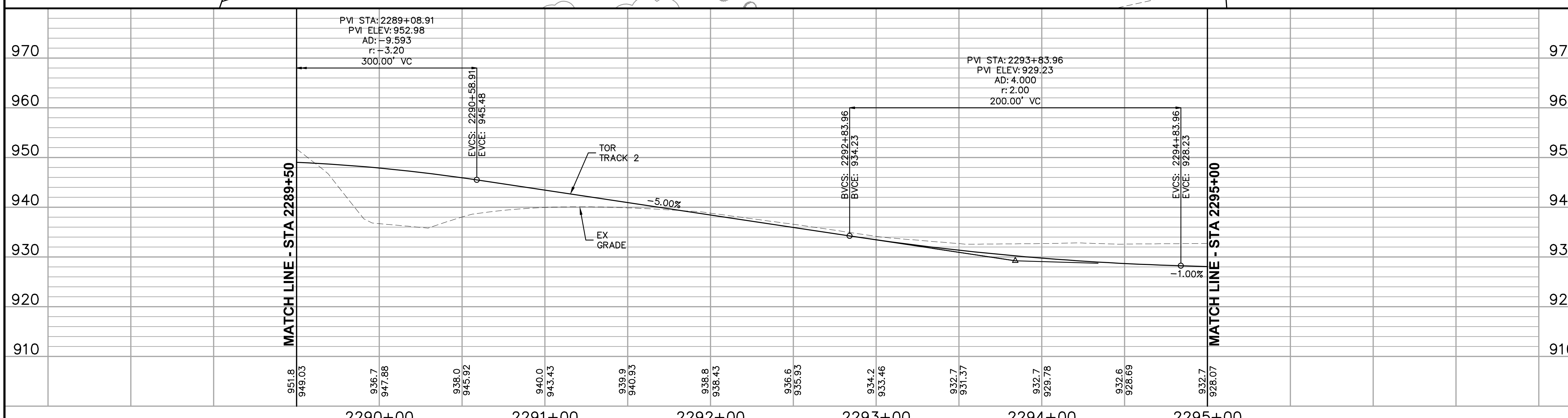
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2282+50 TO STA 2289+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 012





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2289+50 TO STA 2295+00

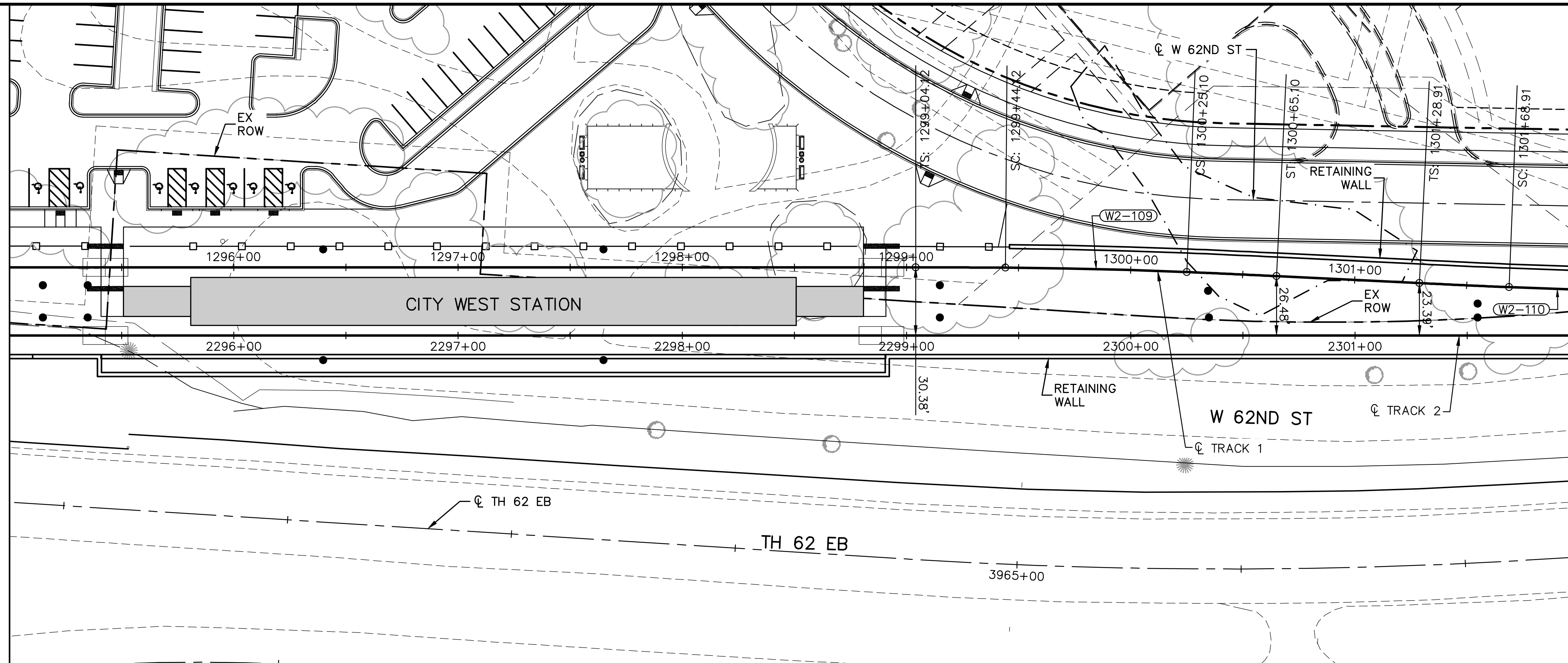
DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 013

Jan, 18 2016 08:40 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-PRF.dwg By: MaurisBM

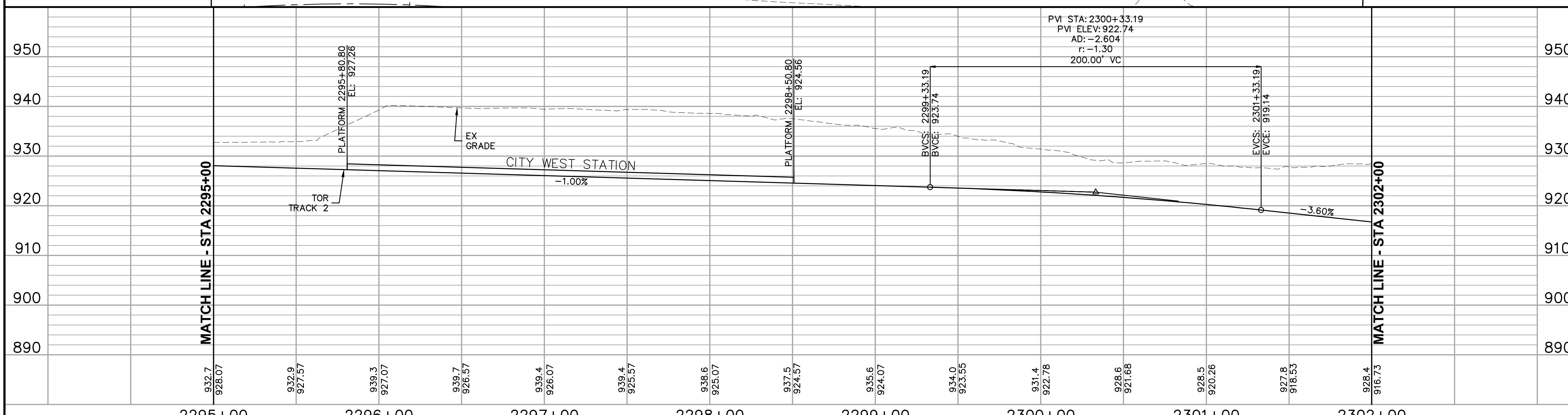
CURVE NO. W2-109
R = 2500.00'
Lc = 80.98'
Ls = 40.00'
Ea = 1.00"
Eu = 0.94"
V = 35 MPH

CURVE NO. W2-110
R = 2500.00'
Lc = 80.98'
Ls = 40.00'
Ea = 1.00"
Eu = 0.94"
V = 35 MPH



NOTES:
1. SEE SHEET W2-TRK-PRF – 014A FOR TRACK 1 PROFILE
2. PROVIDE 16' WIDE CROSSING PANELS AT ALL CITY WEST STATION AT-GRADE PEDESTRIAN CROSSINGS.

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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2295+00 TO STA 2302+00

DISCIPLINE: TRACK

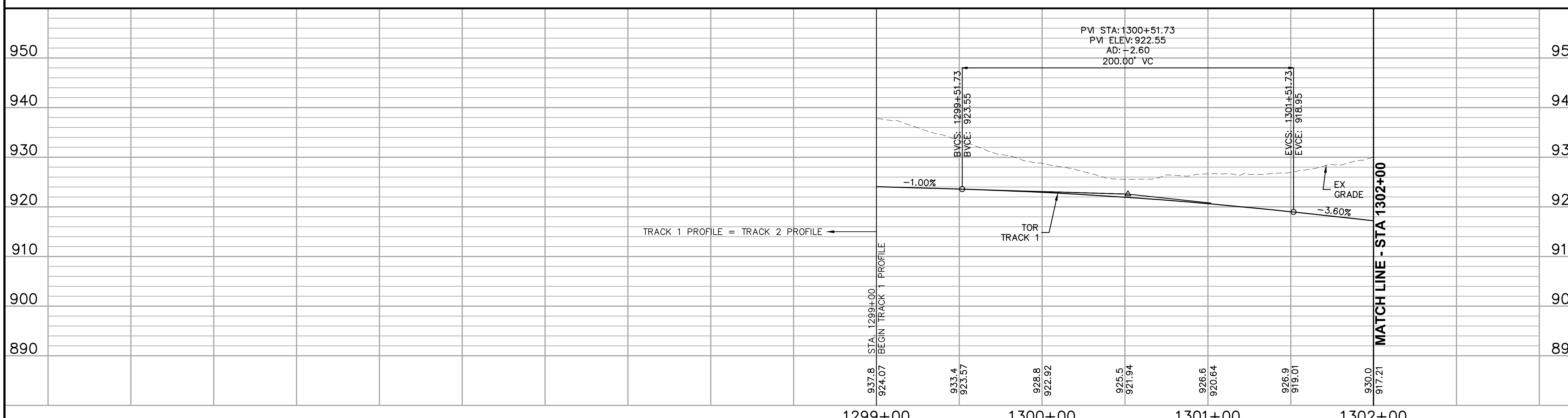
SHEET NAME: W2-TRK-PRF - 014

SHEET 187 OF 211

Jan, 18 2016 08:41 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-PRF.dwg By: MaurisBM

SEE SHEET W2-TRK-PRF - 014 FOR PLAN VIEW

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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

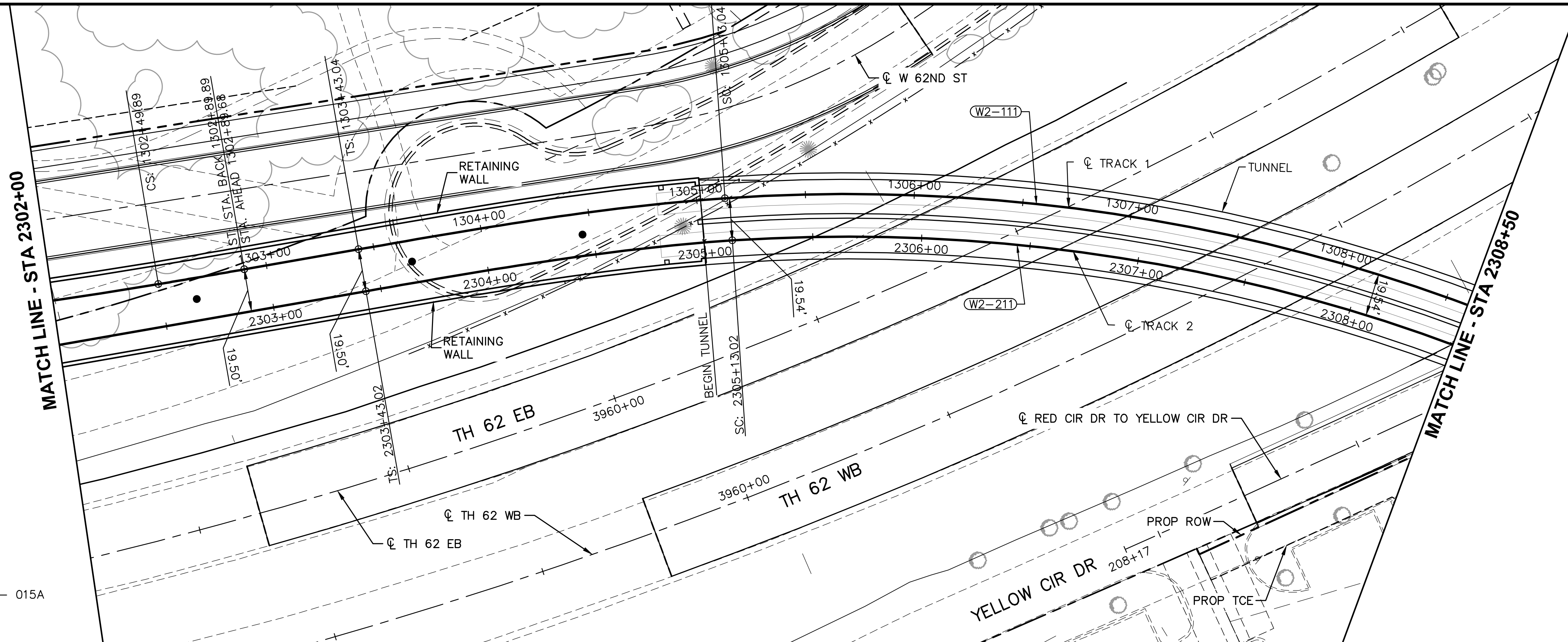
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS
STA 1299+00 TO STA 1302+00

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 014A

SHEET 188 OF 211

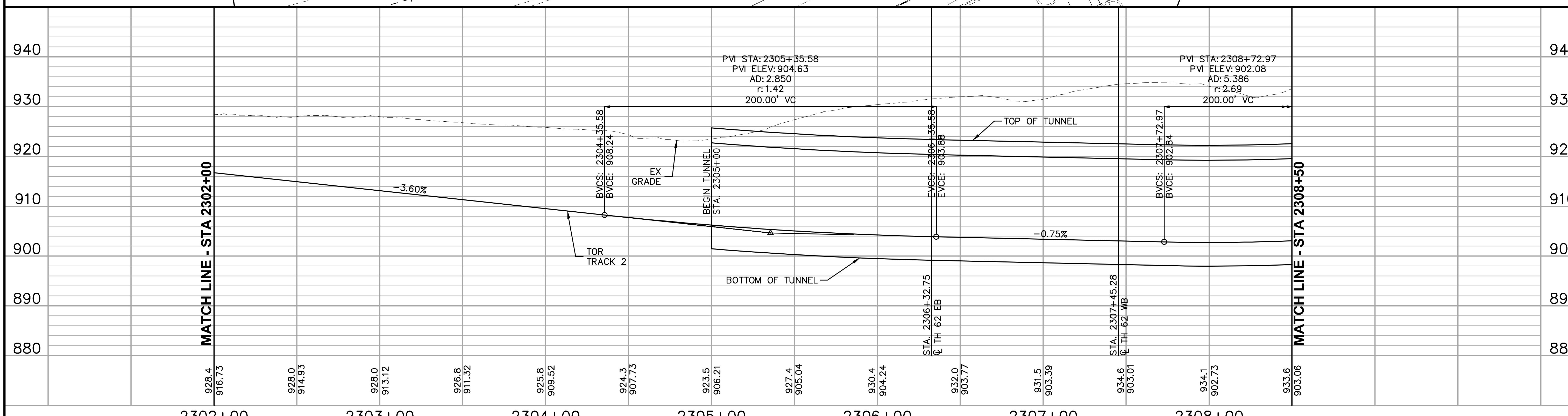


CURVE NO. W2-211
R = 800.00'
Lc = 589.82'
Ls = 170.00'
Ea = 4.00"
Eu = 3.92"
V = 40 MPH

CURVE NO. W2-111
R = 819.50'
Lc = 608.34'
Ls = 170.00'
Ea = 4.00"
Eu = 3.73"
V = 40 MPH

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

NOTES:
1. SEE SHEET W2-TRK-PRF - 015A FOR TRACK 1 PROFILE



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2302+00 TO STA 2308+50

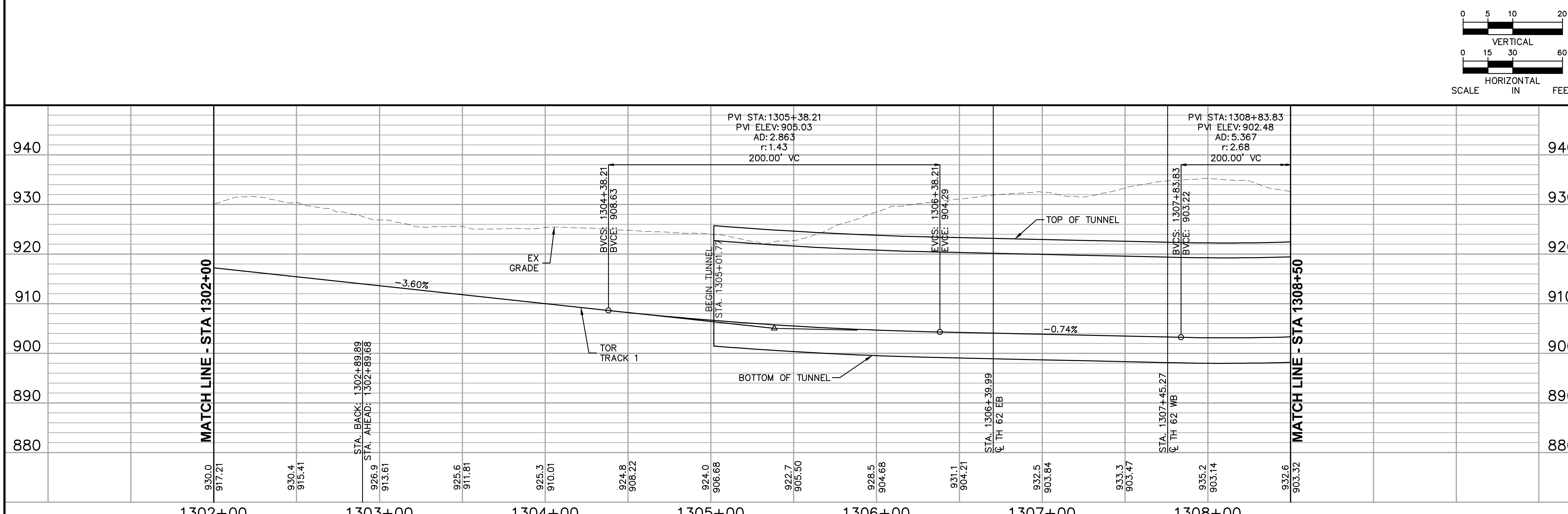
DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 015

SHEET 189 OF 211

Jan, 18 2016 08:42 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W2-TRK-PRF.dwg By: MaurisBM

SEE SHEET W2-TRK-PRF - 015 FOR PLAN VIEW



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

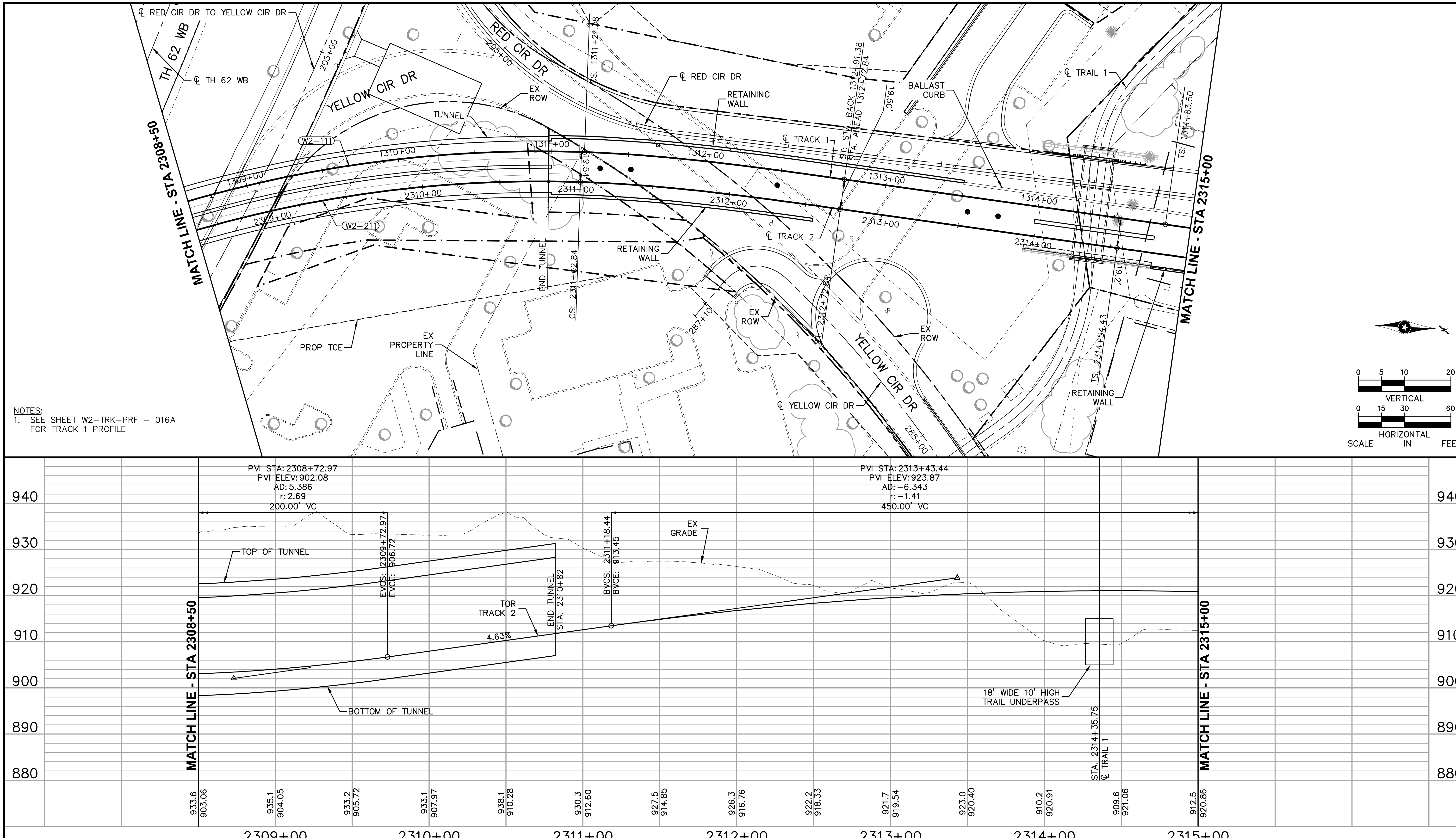
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS
STA 1302+00 TO STA 1308+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 015A

SHEET 190 OF 211



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

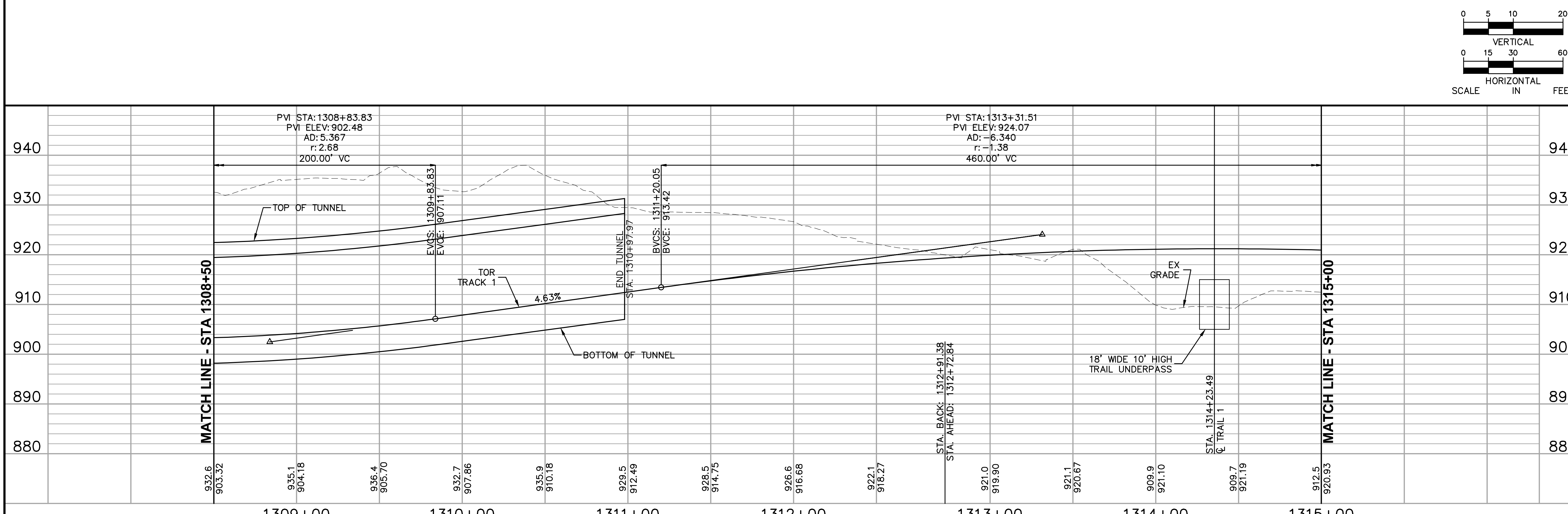
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2308+50 TO STA 2315+00

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 016

SEE SHEET W2-TRK-PRF - 016 FOR PLAN VIEW



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

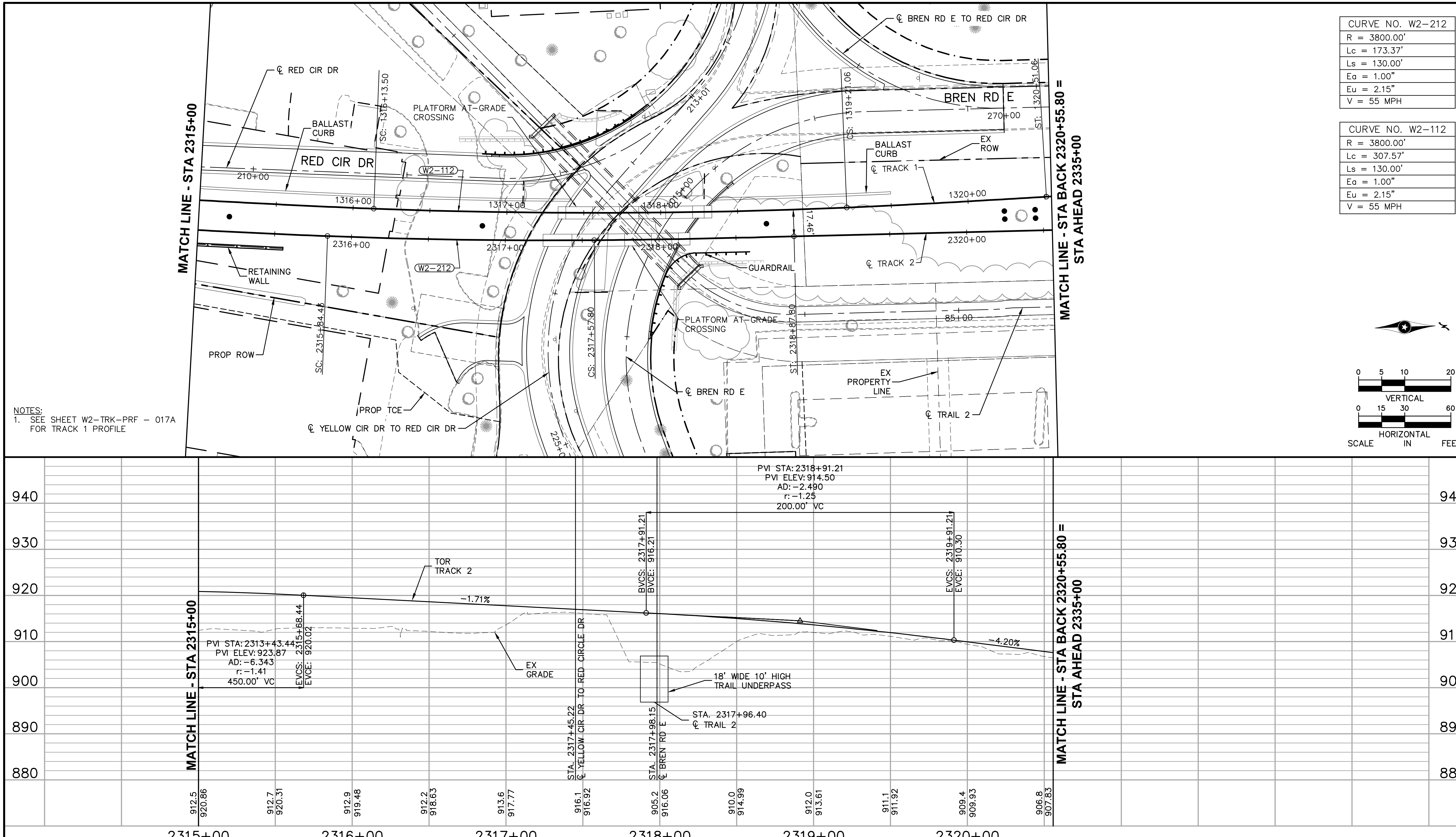
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS
STA 1308+50 TO STA 1315+00

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 016A

SHEET 192 OF 211



CURVE NO. W2-212
R = 3800.00'
Lc = 173.37'
Ls = 130.00'
Ea = 1.00"
Eu = 2.15"
V = 55 MPH

CURVE NO. W2-112
R = 3800.00'
Lc = 307.57'
Ls = 130.00'
Ea = 1.00"
Eu = 2.15"
V = 55 MPH

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

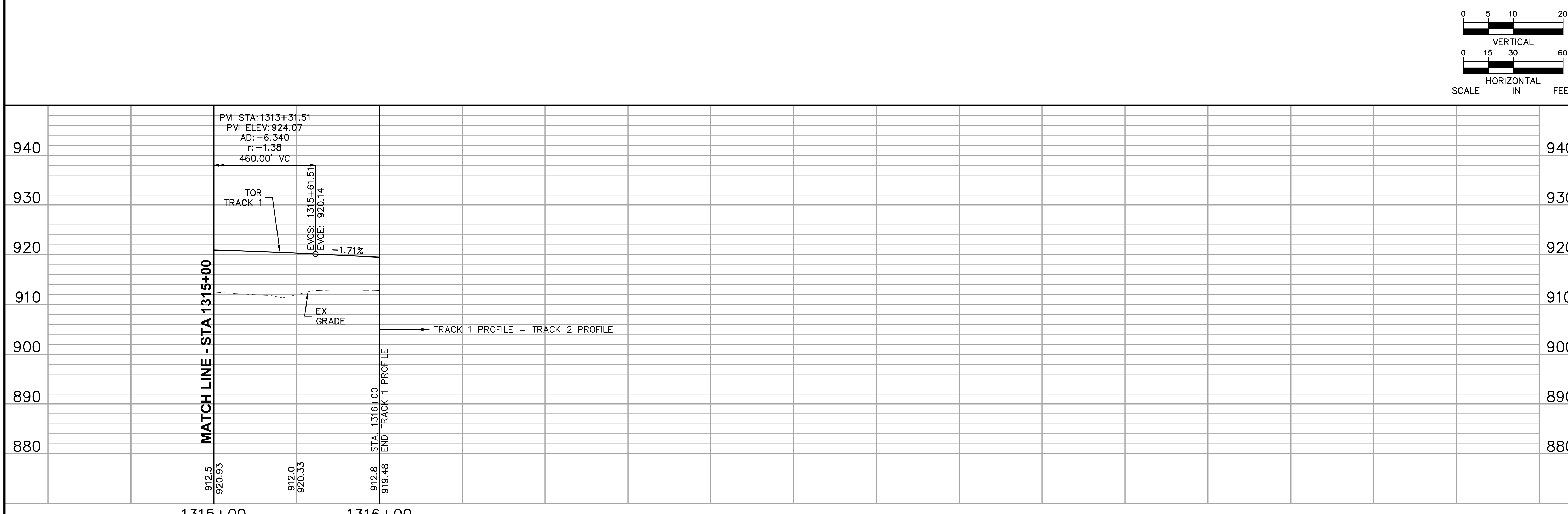
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2315+00 TO STA 2320+55.80

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 017

SEE SHEET W2-TRK-PRF - 017 FOR PLAN VIEW



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

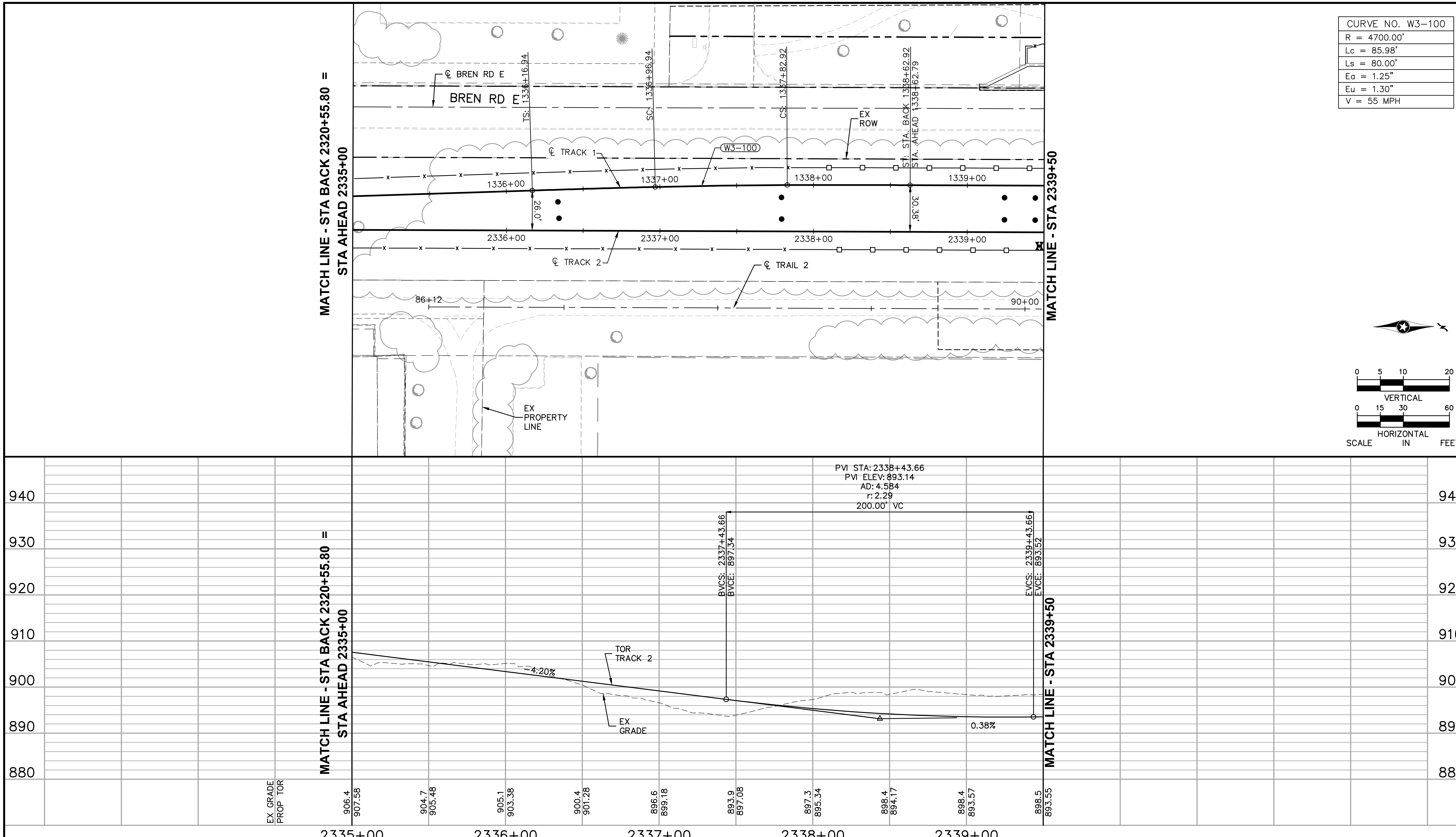
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
TYPICAL SECTIONS
STA 1315+00 TO STA 1316+00

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 017A

CURVE NO. W3–100
R = 4700.00'
Lc = 85.98'
Ls = 80.00'
Ea = 1.25"
Eu = 1.30"
V = 55 MPH



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

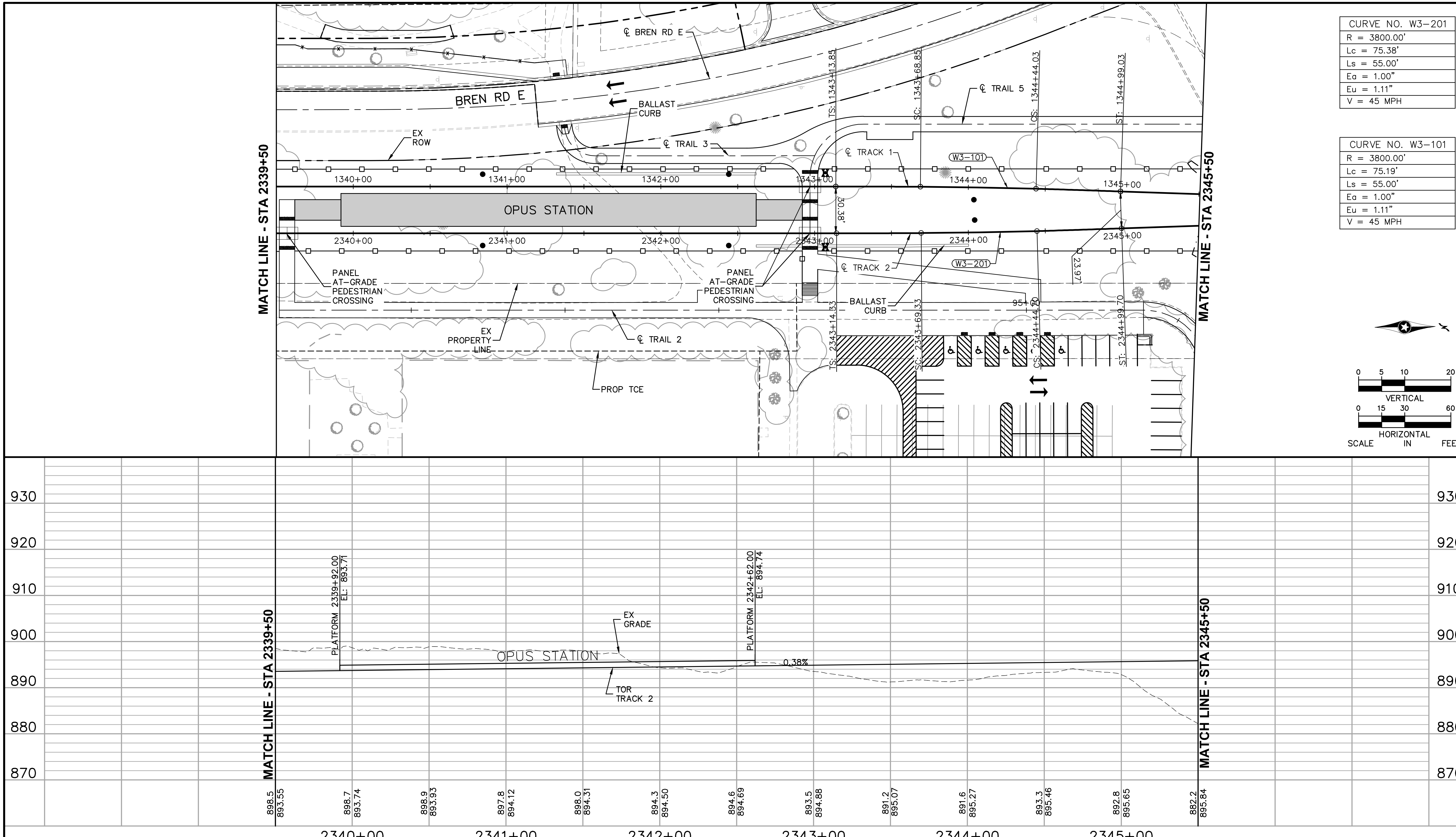
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2335+00 TO STA 2339+50

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-PRF - 001



CURVE NO. W3-201
R = 3800.00'
Lc = 75.38'
Ls = 55.00'
Ea = 1.00"
Eu = 1.11"
V = 45 MPH

CURVE NO. W3-101
R = 3800.00'
Lc = 75.19'
Ls = 55.00'
Ea = 1.00"
Eu = 1.11"
V = 45 MPH

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

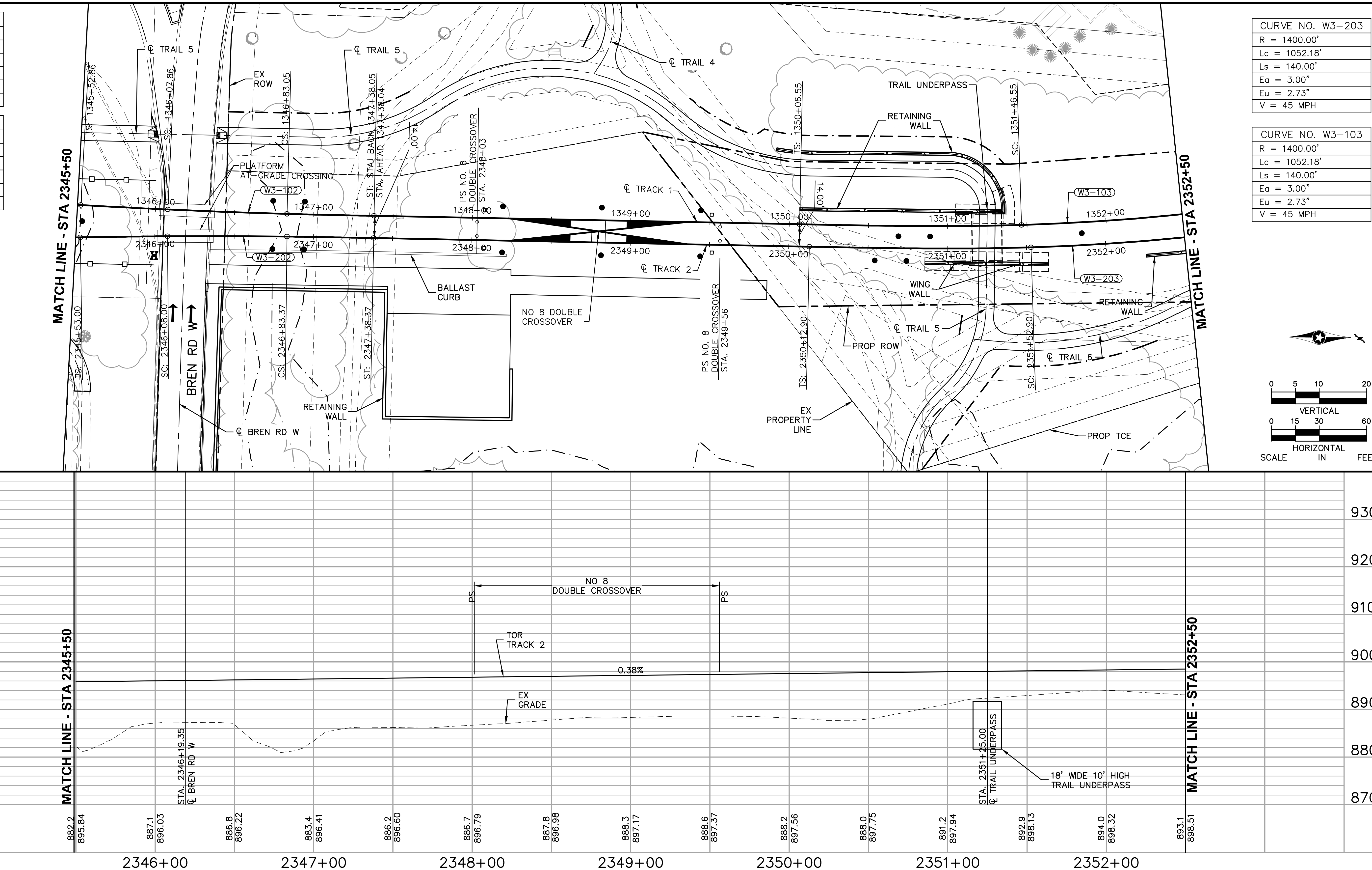
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2339+50 TO STA 2345+50

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-PRF - 002

SHEET 196 OF 211

Jan, 18 2016 09:02 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-PRF.dwg By: V-RaboodV



CURVE NO. W3-202
R = 3800.00'
Lc = 75.38'
Ls = 55.00'
Ea = 1.00"
Eu = 1.11"
V = 45 MPH

CURVE NO. W3-102
R = 3800.00'
Lc = 75.19'
Ls = 55.00'
Ea = 1.00"
Eu = 1.11"
V = 45 MPH

CURVE NO. W3-203
R = 1400.00'
Lc = 1052.18'
Ls = 140.00'
Ea = 3.00"
Eu = 2.73"
V = 45 MPH

CURVE NO. W3-103
R = 1400.00'
Lc = 1052.18'
Ls = 140.00'
Ea = 3.00"
Eu = 2.73"
V = 45 MPH

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

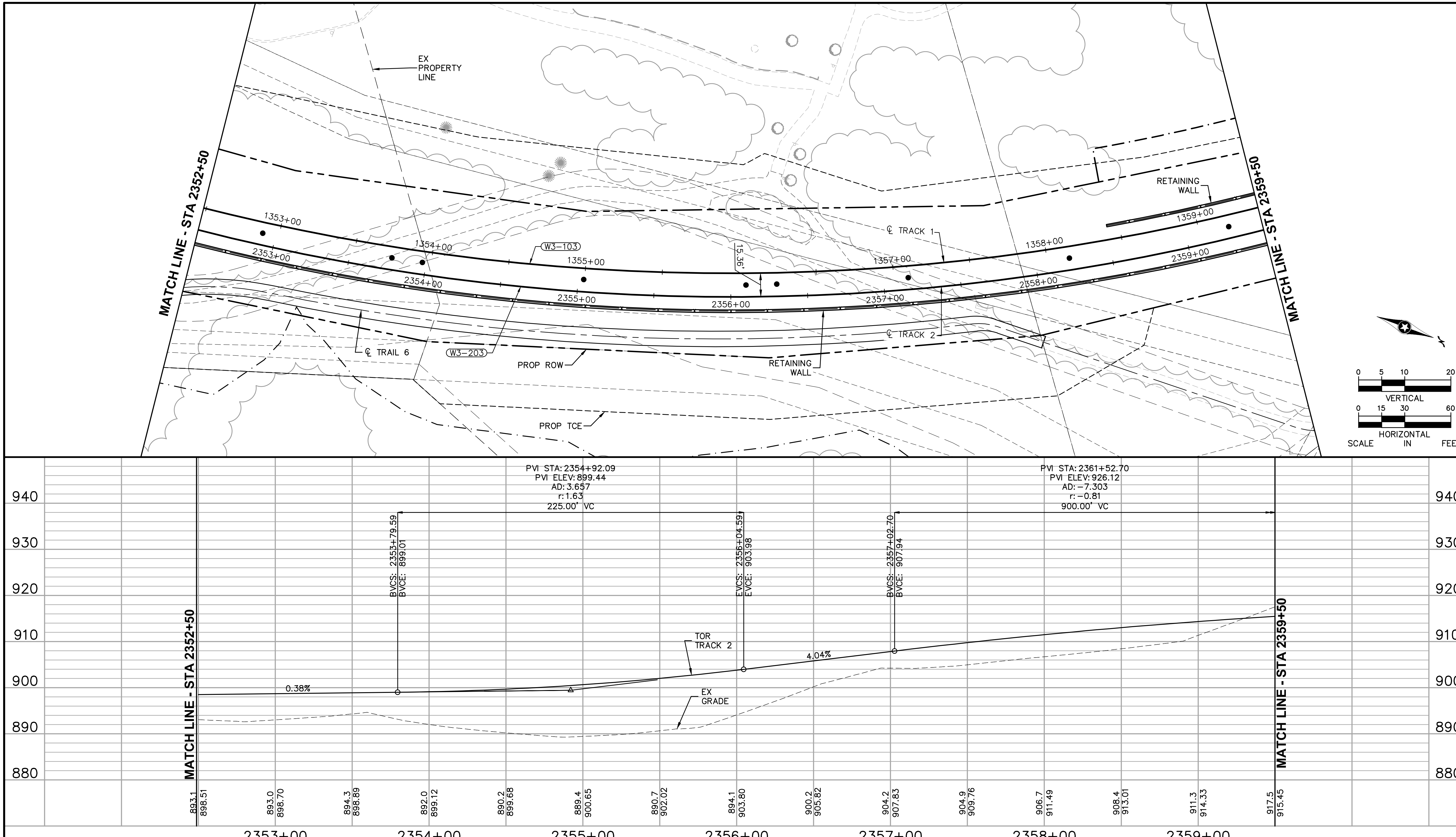
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2345+50 TO STA 2352+50

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-PRF - 003



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

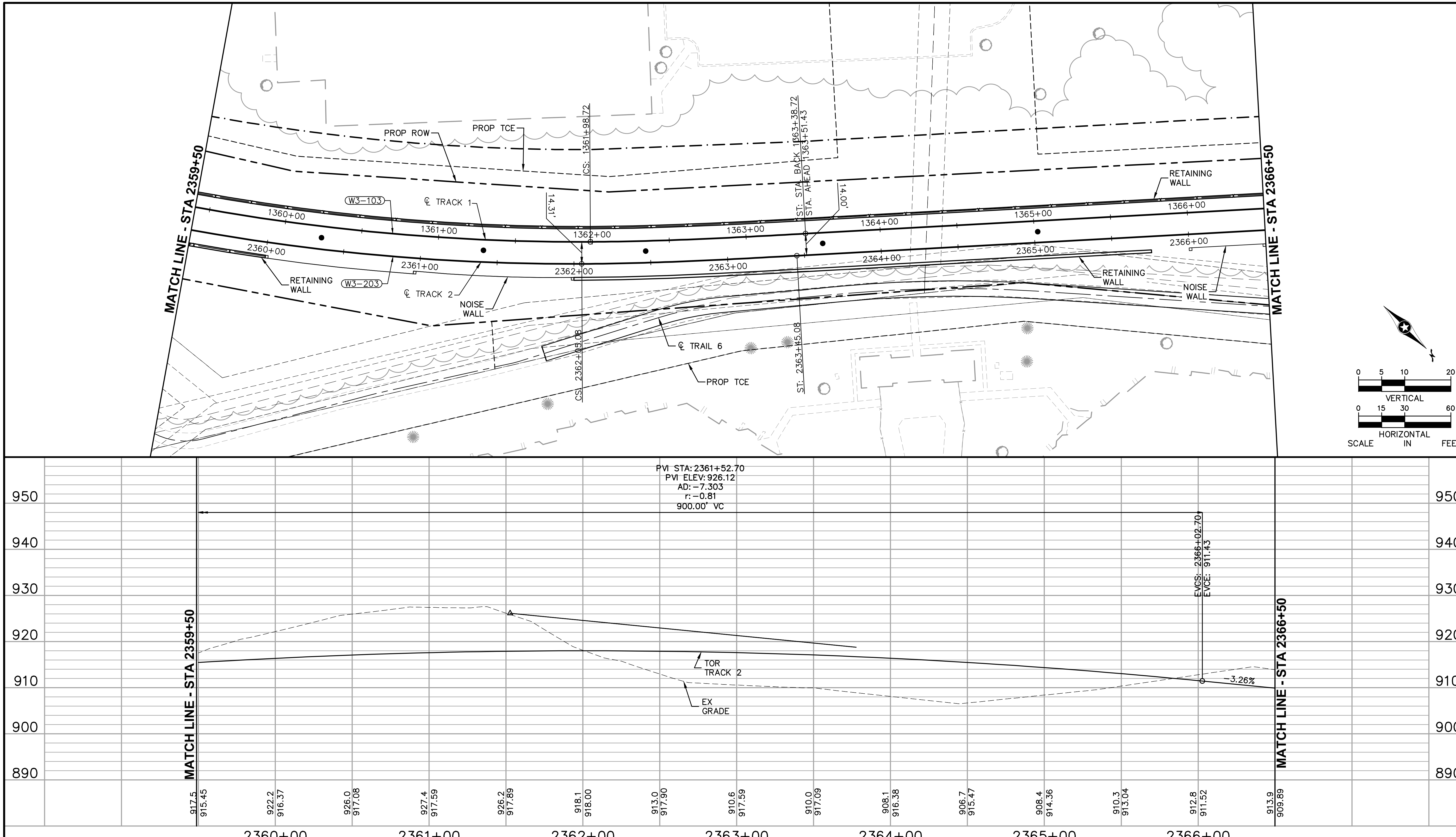
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2352+50 TO STA 2359+50

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-PRF - 004

SHEET 198 OF 211

Jan, 18 2016 09:03 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-PRF.dwg By: V-RaboodV



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Jan, 18 2016 09:04 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-PRF.dwg By: V-RaboodV

AECOM

90% SUBMISSION - 01/22/16

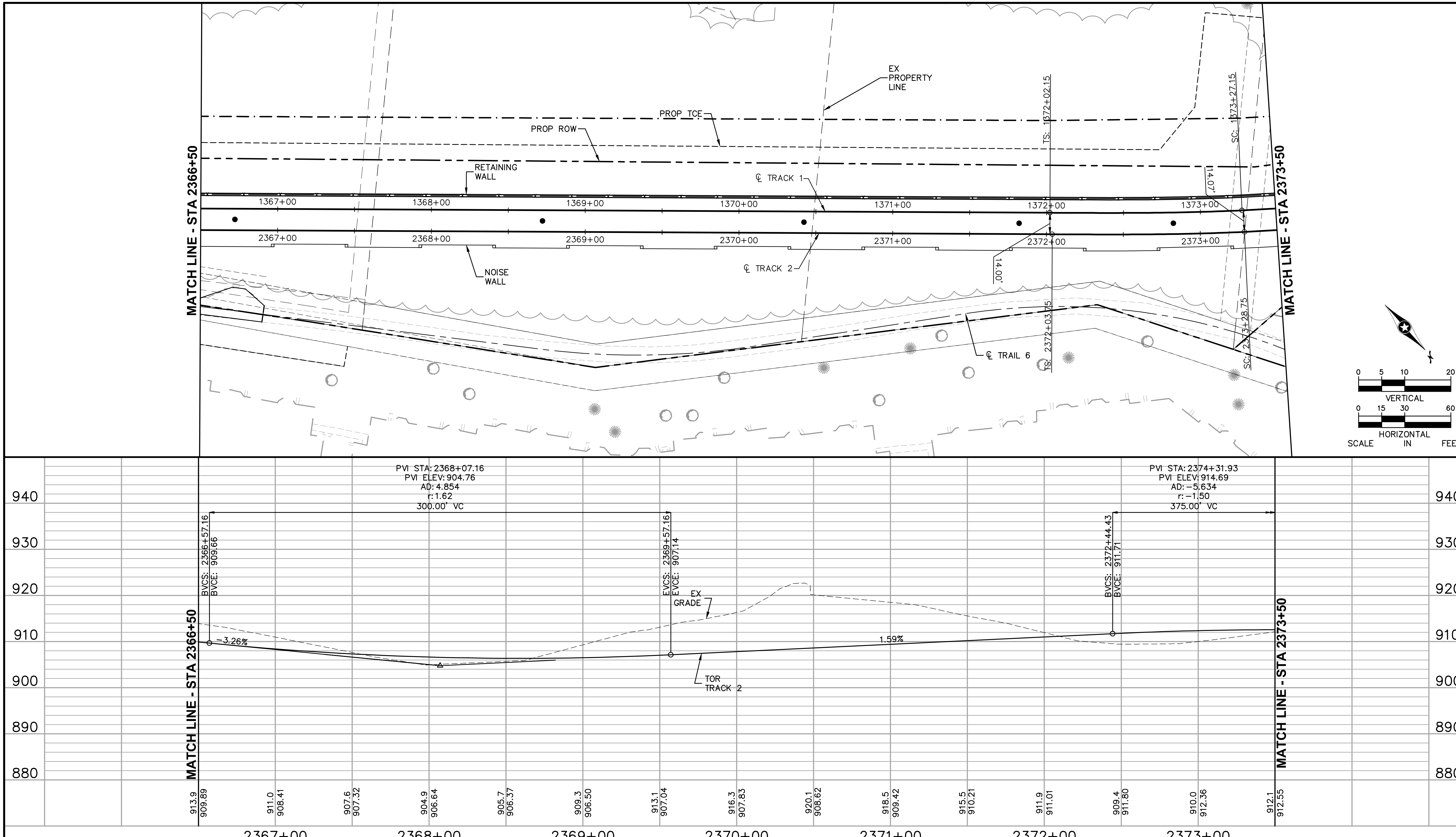
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2359+50 TO STA 2366+50

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-PRF - 005



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

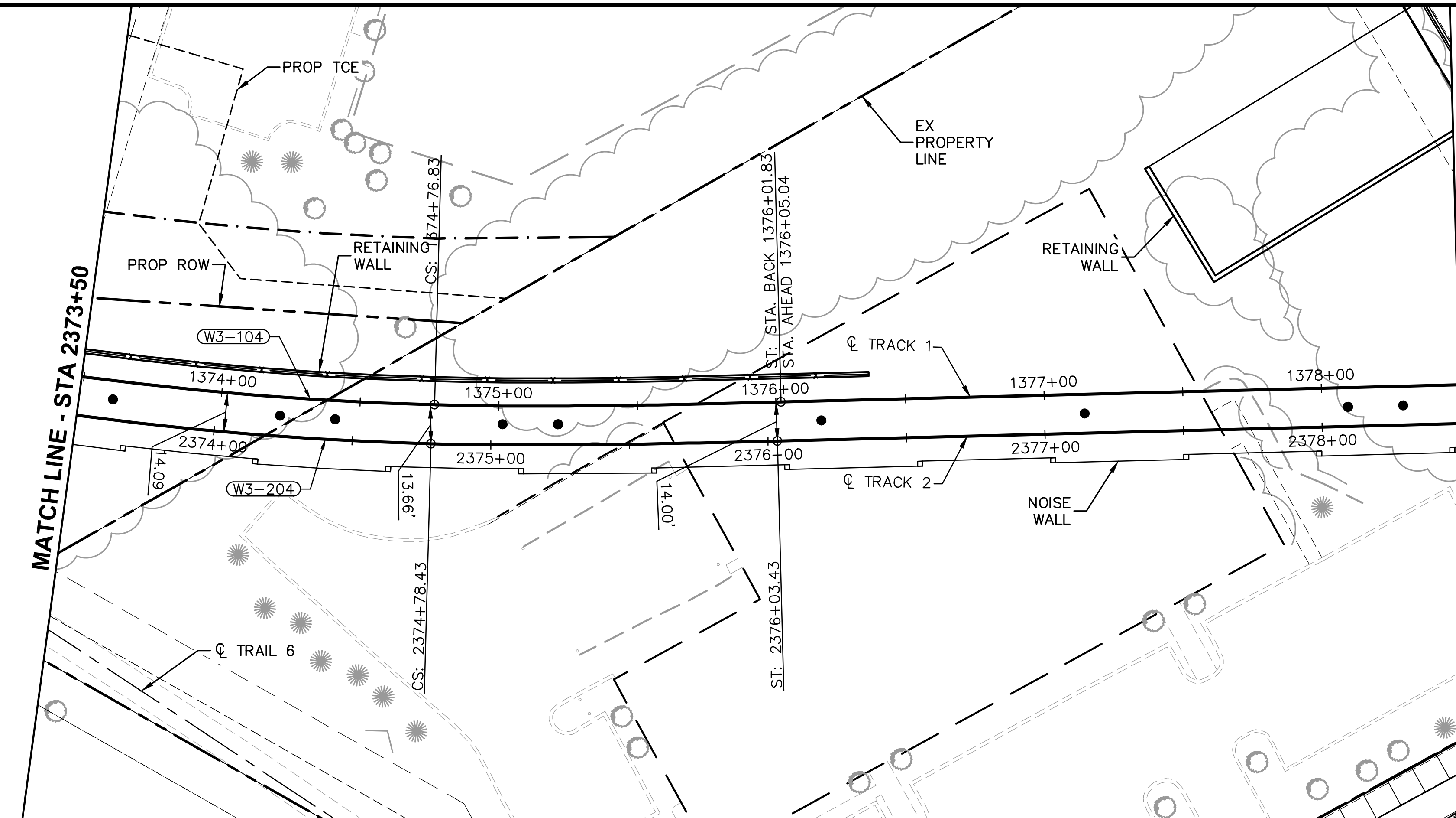
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2366+50 TO STA 2373+50

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-PRF - 006

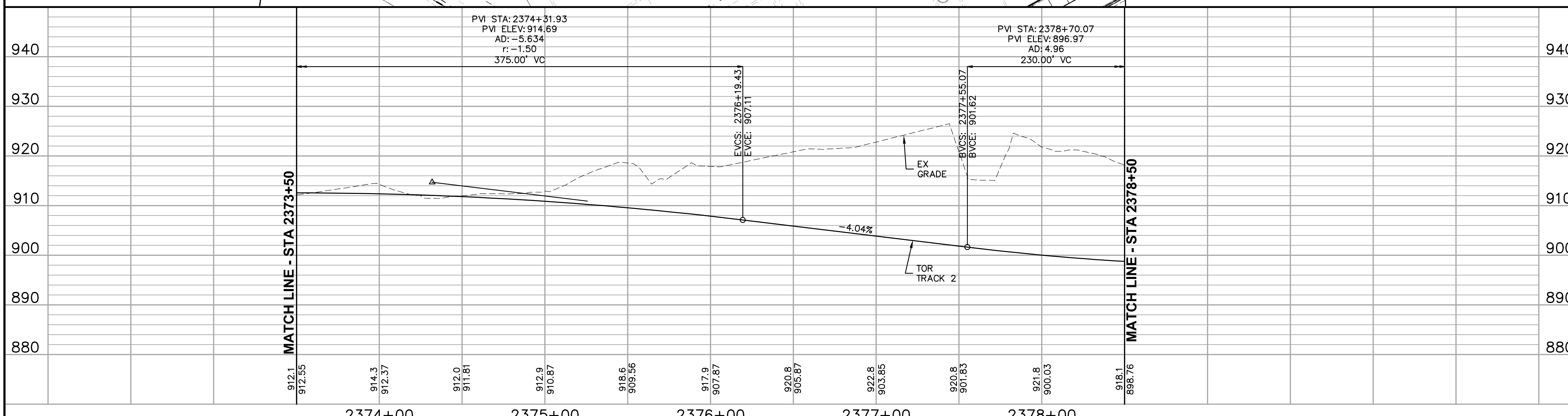
SHEET 200 OF 211



CURVE NO. W3-204
R = 1200.00'
Lc = 149.68'
Ls = 125.00'
Ea = 3.00"
Eu = 2.28"
V = 40 MPH

CURVE NO. W3-104
R = 1200.00'
Lc = 149.68'
Ls = 125.00'
Ea = 3.00"
Eu = 2.28"
V = 40 MPH

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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

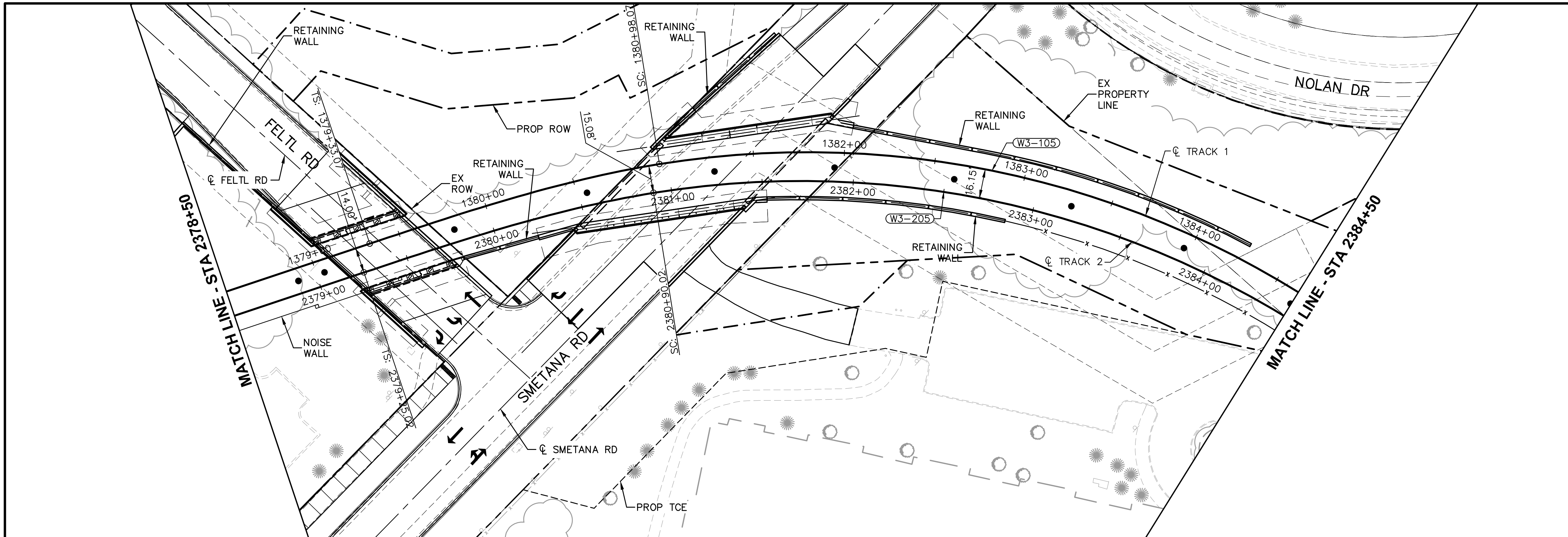
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2373+50 TO STA 2378+50

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-PRF - 007

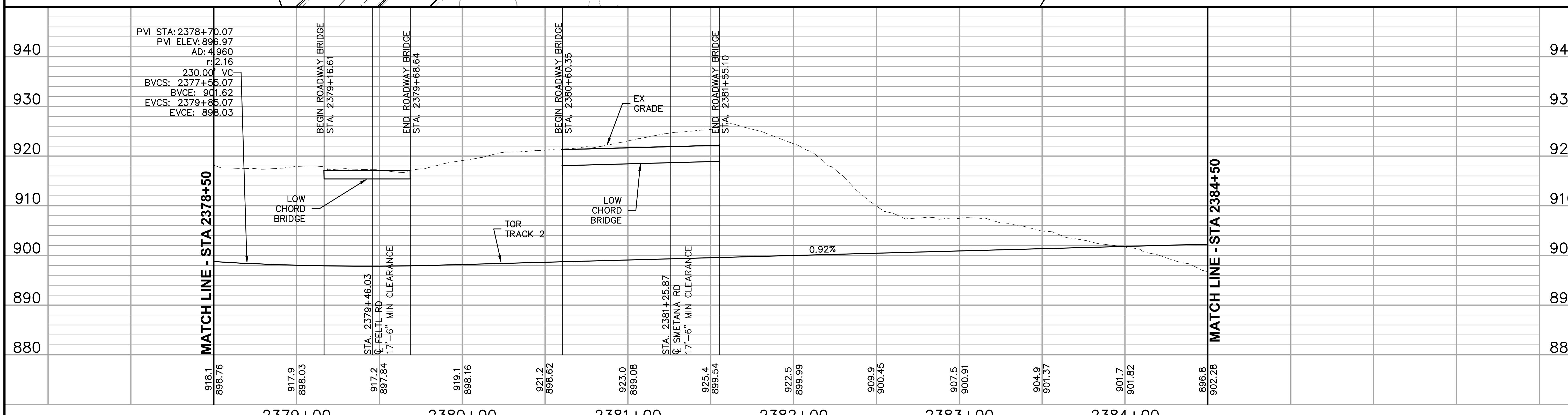
SHEET 201 OF 211



CURVE NO. W3-205
R = 510.00'
Lc = 367.35'
Ls = 165.00'
Ea = 4.00"
Eu = 2.99"
V = 30 MPH

CURVE NO. W3-105
R = 510.00'
Lc = 367.35'
Ls = 165.00'
Ea = 4.00"
Eu = 2.99"
V = 30 MPH

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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

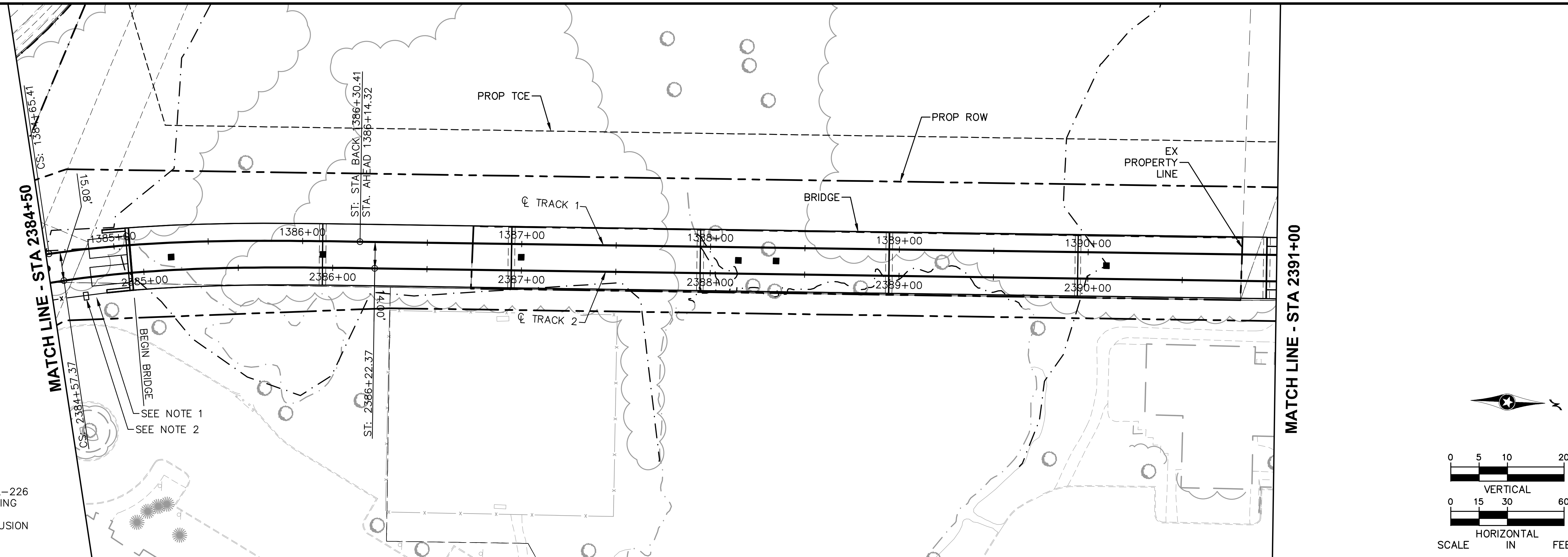
METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2378+50 TO STA 2384+50

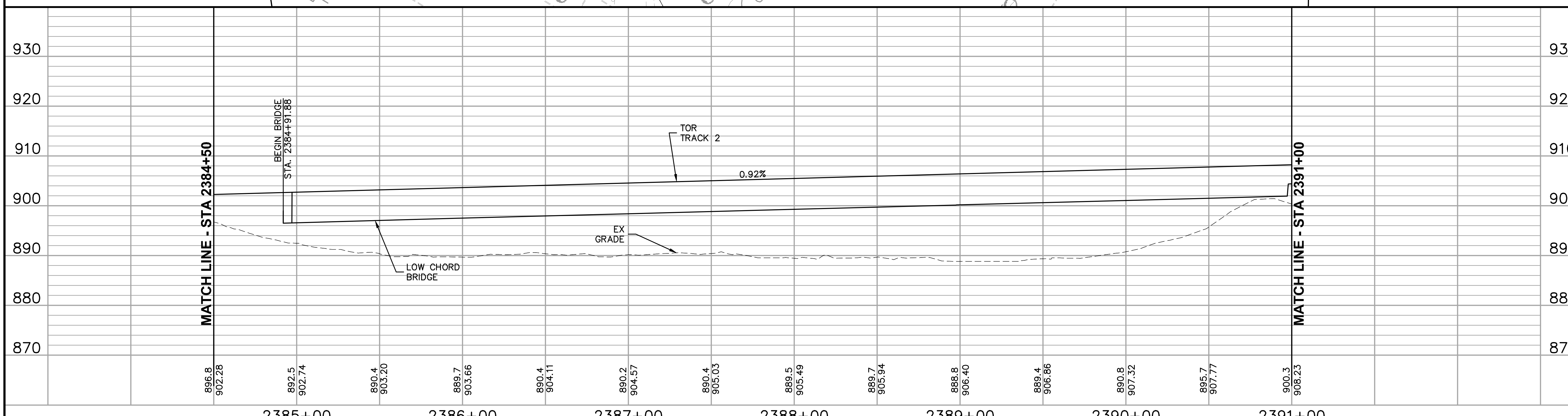
DISCIPLINE: TRACK

SHEET NAME: W3-TRK-PRF - 008



NOTES:

1. SEE SHEETS DTL-225 AND DTL-226 FOR BALLAST SHOULDER WIDENING DETAILS.
2. SEE SYSTEMS PLANS FOR INTRUSION DETECTION CABINET DETAILS.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

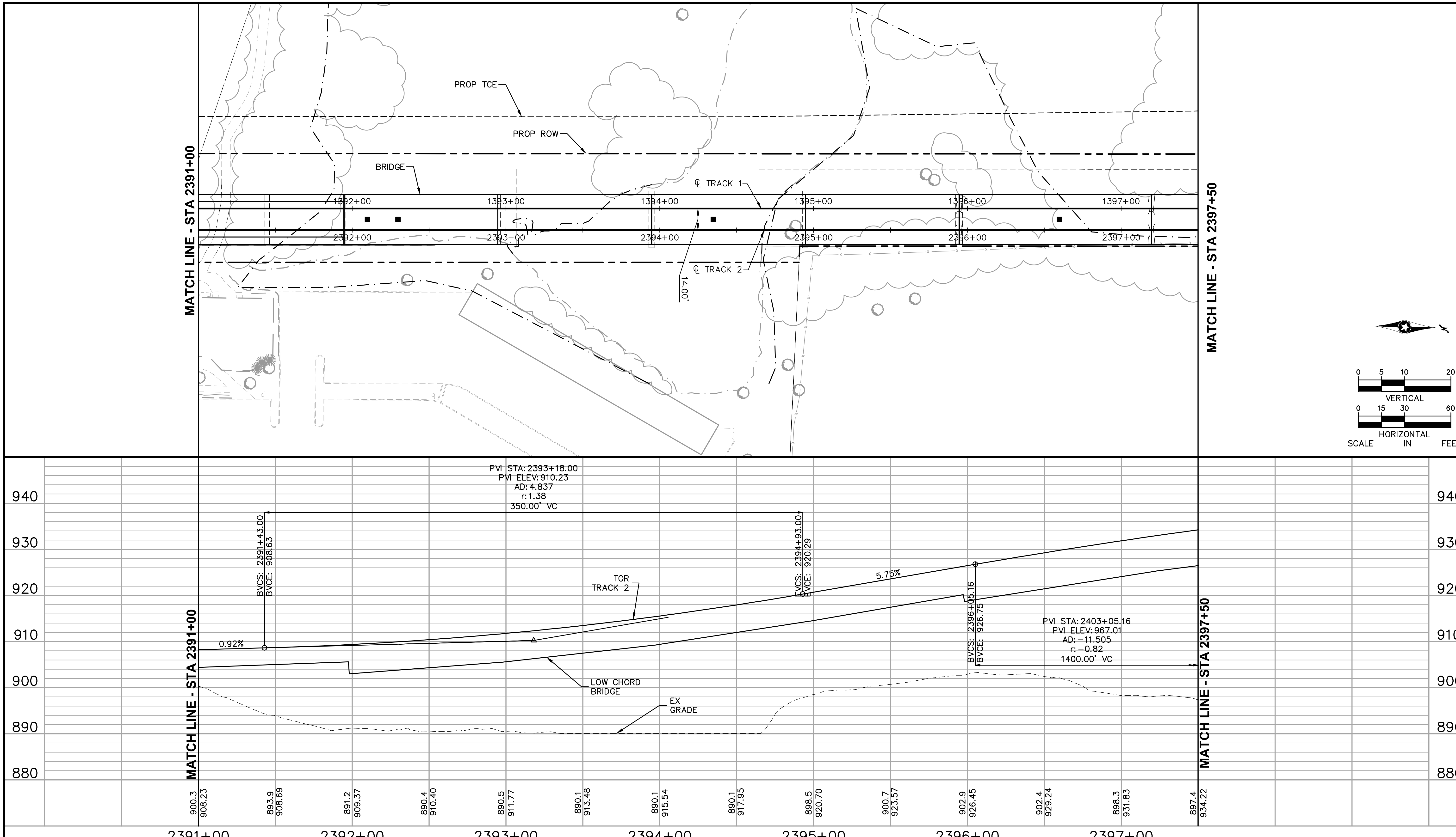
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2384+50 TO STA 2391+00

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-PRF - 009

SHEET 203 OF 211

Jan, 18 2016 09:06 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-PRF.dwg By: V-RaboodV



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

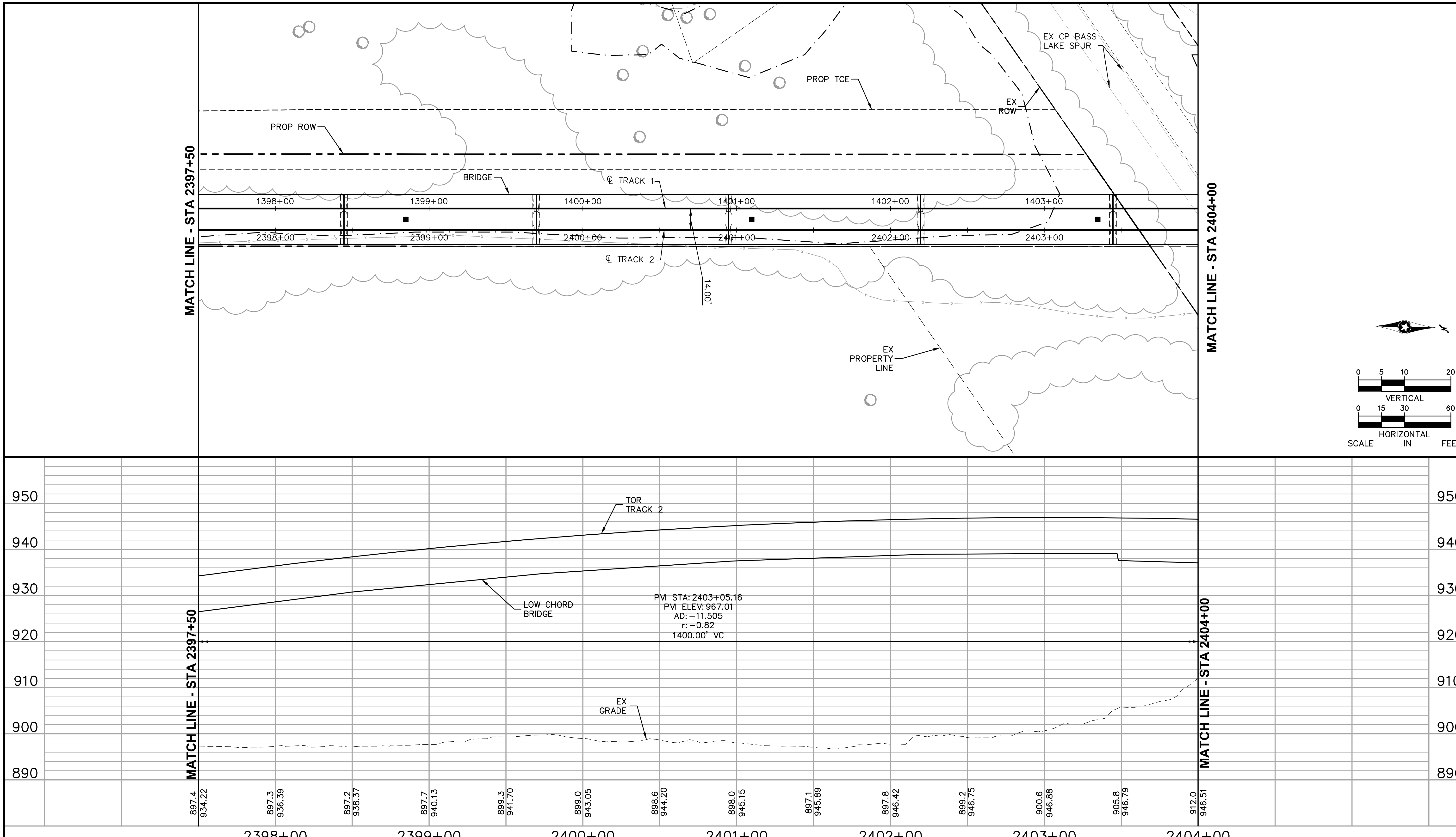
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2391+00 TO STA 2397+50

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-PRF - 010

SHEET 204 OF 211



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

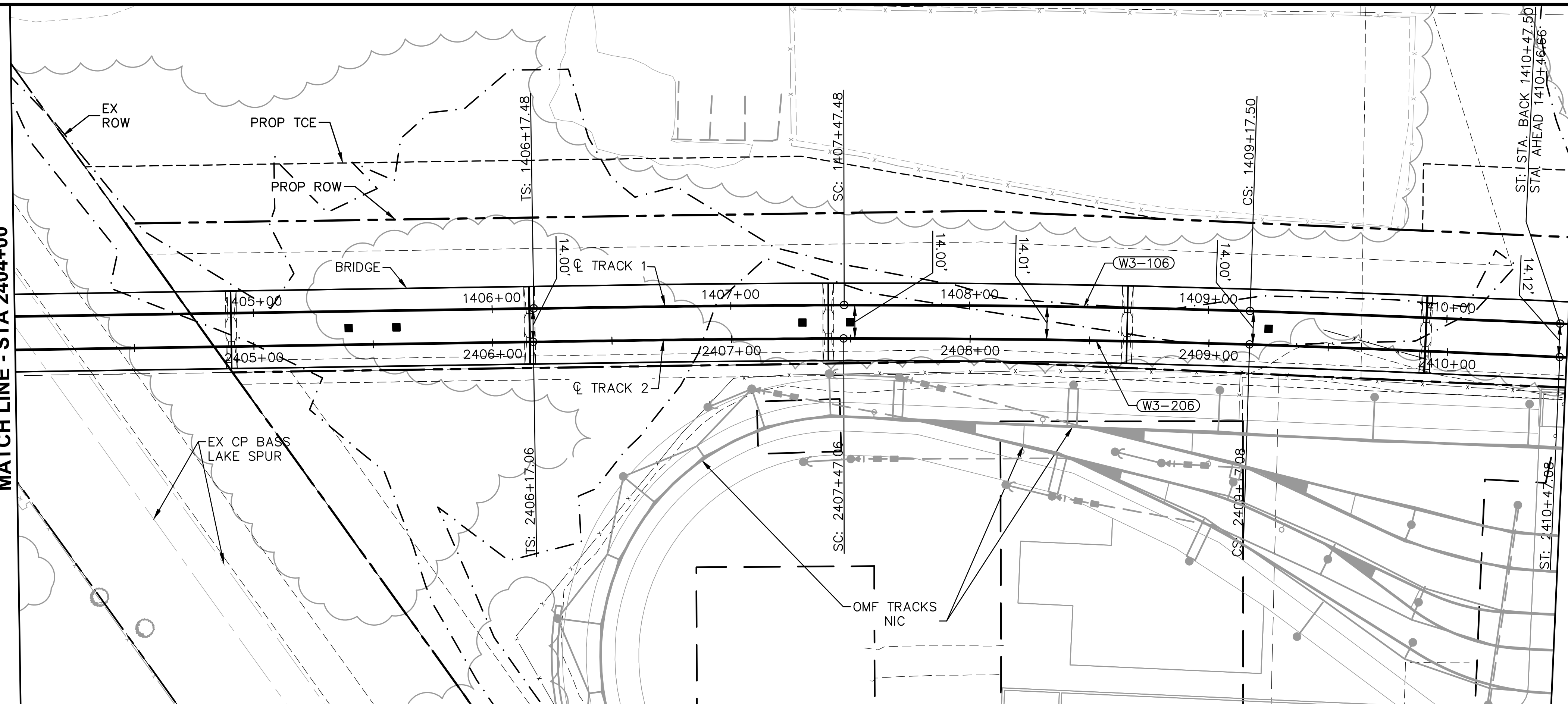
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2397+50 TO STA 2404+00

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-PRF - 011

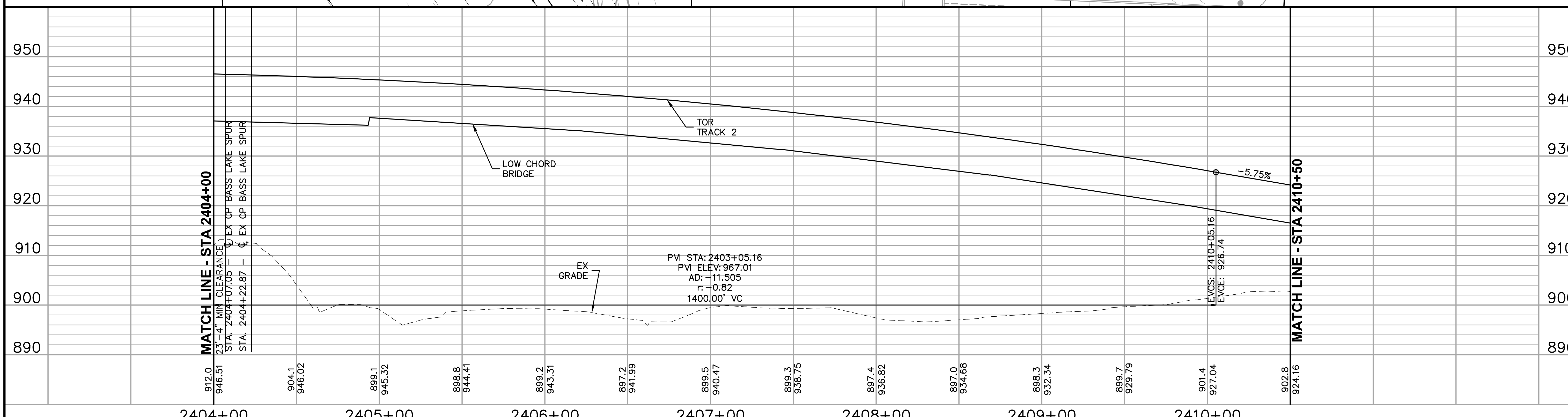
SHEET 205 OF 211



CURVE NO. W3–206
R = 5000.00'
Lc = 170.02'
Ls = 130.00'
Ea = 0.75"
Eu = 1.65"
V = 55 MPH

CURVE NO. W3–106
R = 5000.00'
Lc = 170.02'
Ls = 130.00'
Ea = 0.75"
Eu = 1.65"
V = 55 MPH

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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

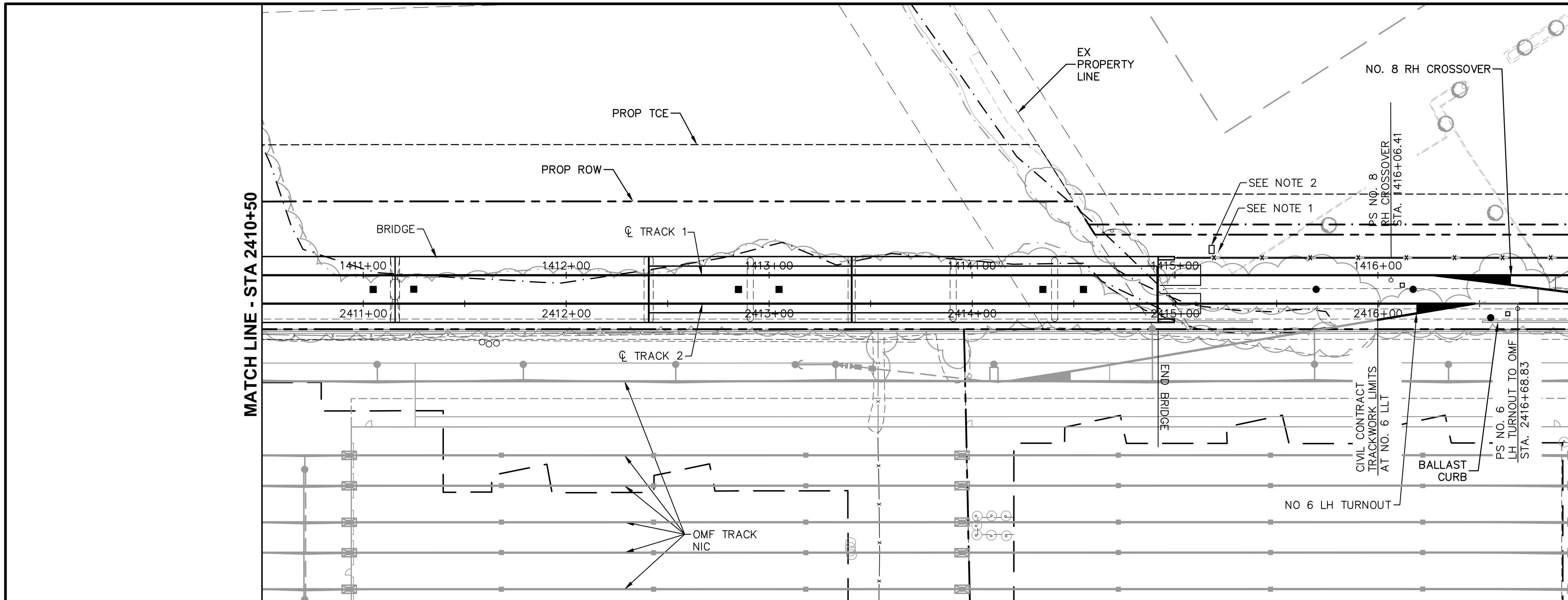
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2404+00 TO STA 2410+50

DISCIPLINE: TRACK

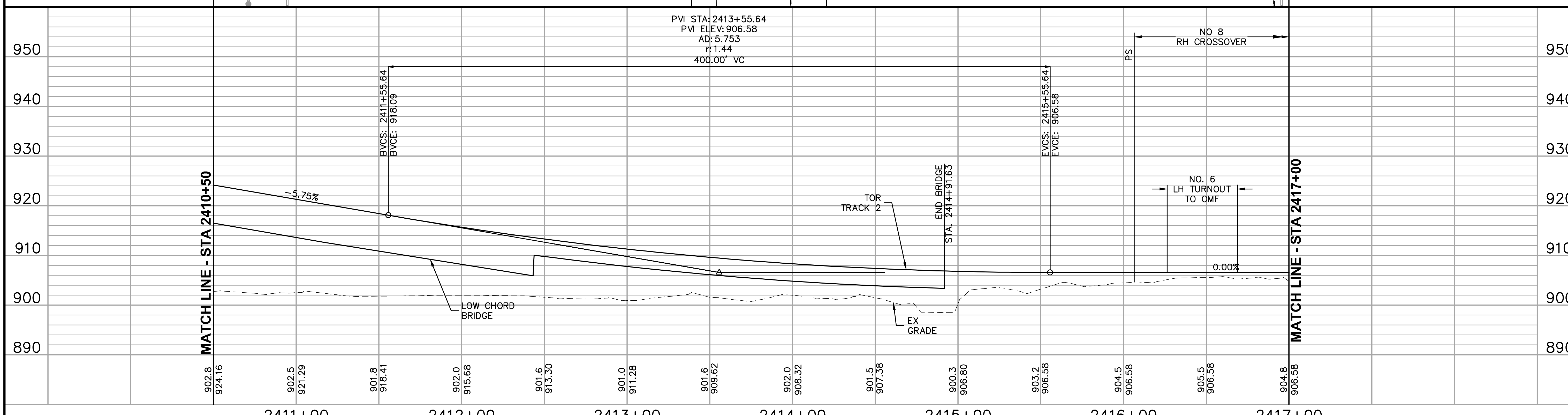
SHEET NAME: W3-TRK-PRF - 012

SHEET 206 OF 211

NOTES:
1. SEE SHEETS DTL-225 AND DTL-226 FOR BALLAST SHOULDER WIDENING DETAILS.
2. SEE SYSTEMS PLANS FOR INTRUSION DETECTION CABINET DETAILS.



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

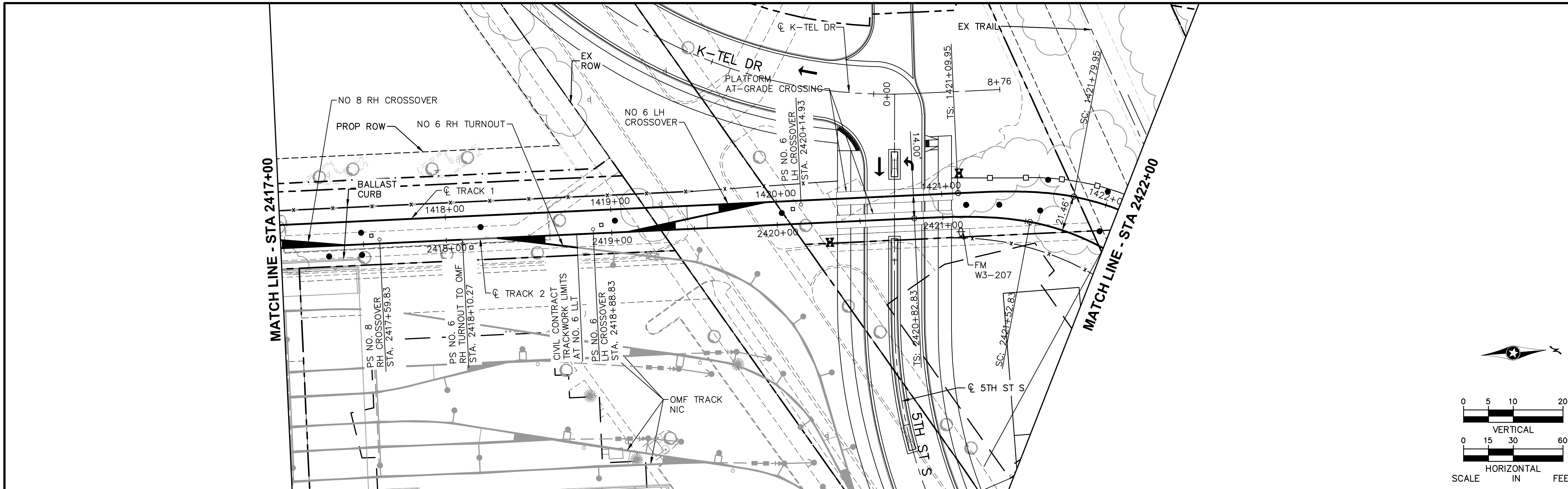
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2410+50 TO STA 2417+00

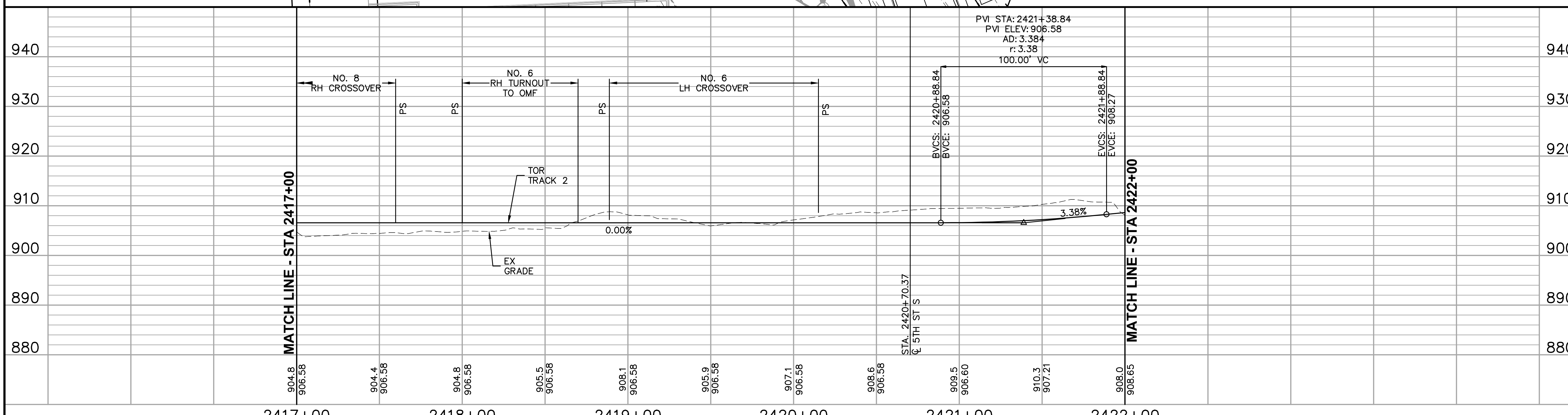
DISCIPLINE: TRACK

SHEET NAME: W3-TRK-PRF - 013

SHEET 207 OF 211

Jan, 18 2016 09:09 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-PRF.dwg By: V-RaboodV





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

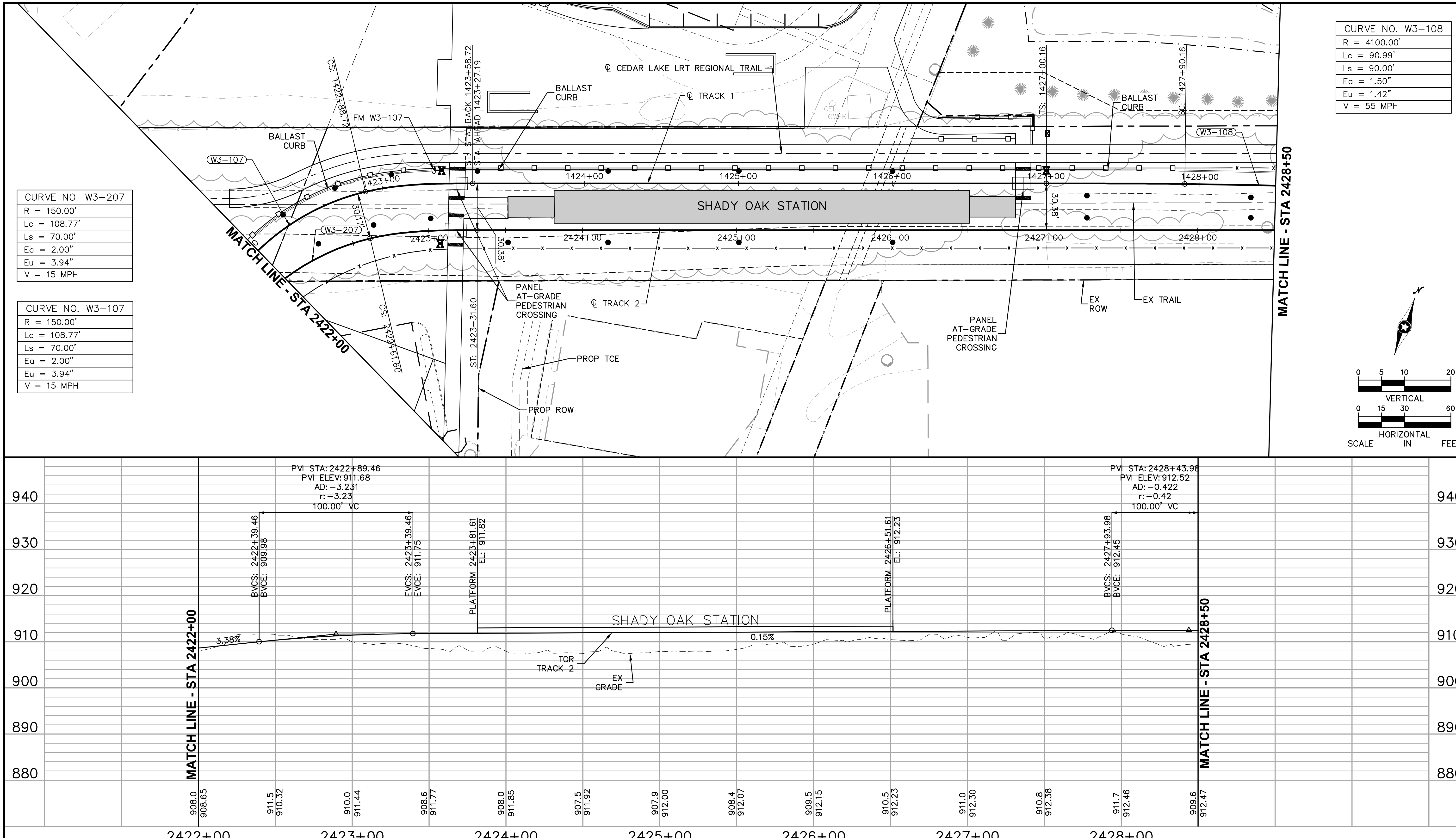
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2417+00 TO STA 2422+00

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-PRF - 014

SHEET 208 OF 211

Jan, 18 2016 09:10 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-PRF.dwg By: V-RaboodV



CURVE NO. W3-108
R = 4100.00'
Lc = 90.99'
Ls = 90.00'
Ea = 1.50"
Eu = 1.42"
V = 55 MPH

CURVE NO. W3-207
R = 150.00'
Lc = 108.77'
Ls = 70.00'
Ea = 2.00"
Eu = 3.94"
V = 15 MPH

CURVE NO. W3-107
R = 150.00'
Lc = 108.77'
Ls = 70.00'
Ea = 2.00"
Eu = 3.94"
V = 15 MPH

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

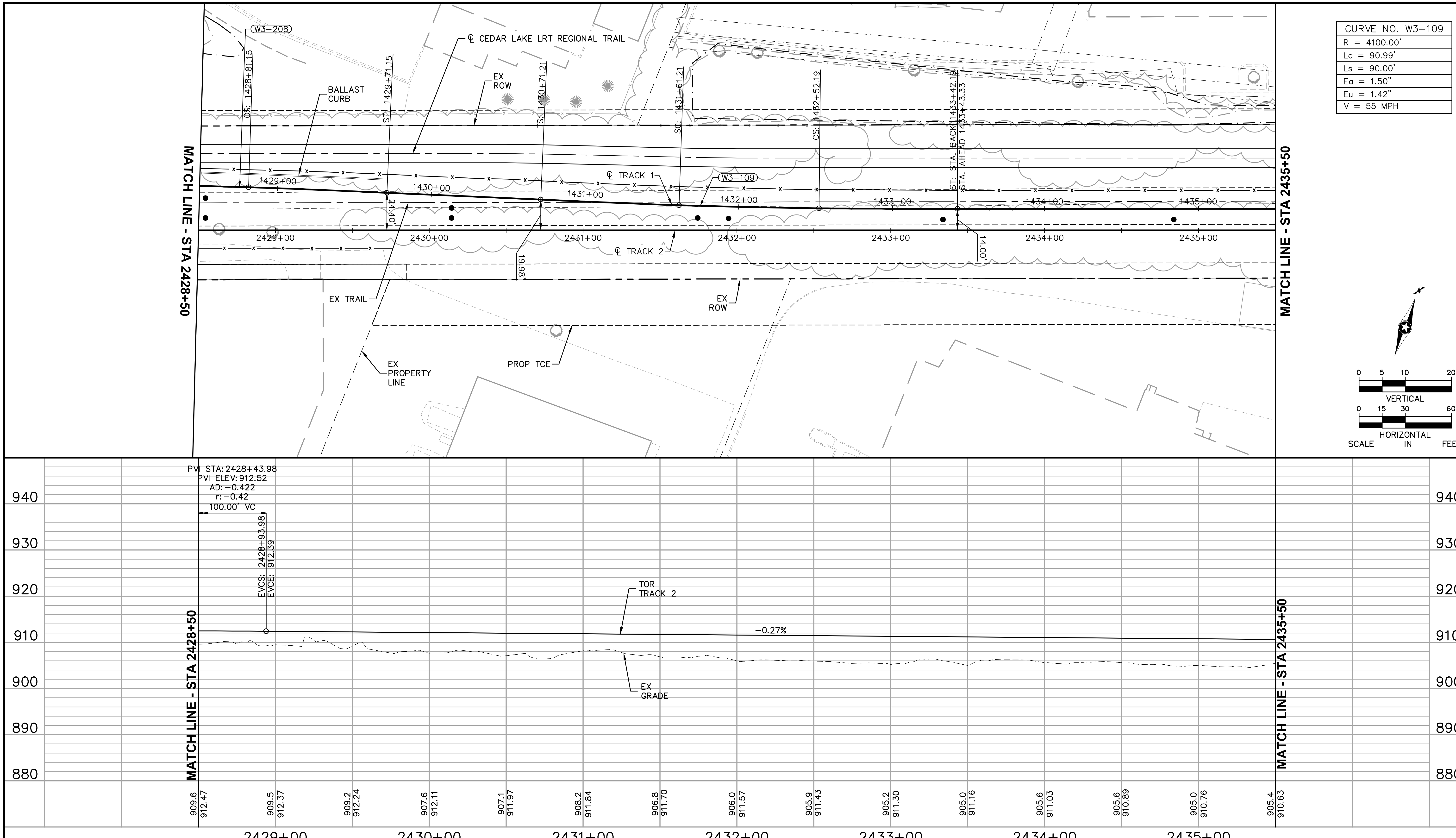
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2422+00 TO STA 2428+50

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-PRF - 015

SHEET 209 OF 211

Jan, 18 2016 09:10 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-PRF.dwg By: V-RaboodV



CURVE NO. W3-109
R = 4100.00'
Lc = 90.99'
Ls = 90.00'
Ea = 1.50"
Eu = 1.42"
V = 55 MPH

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

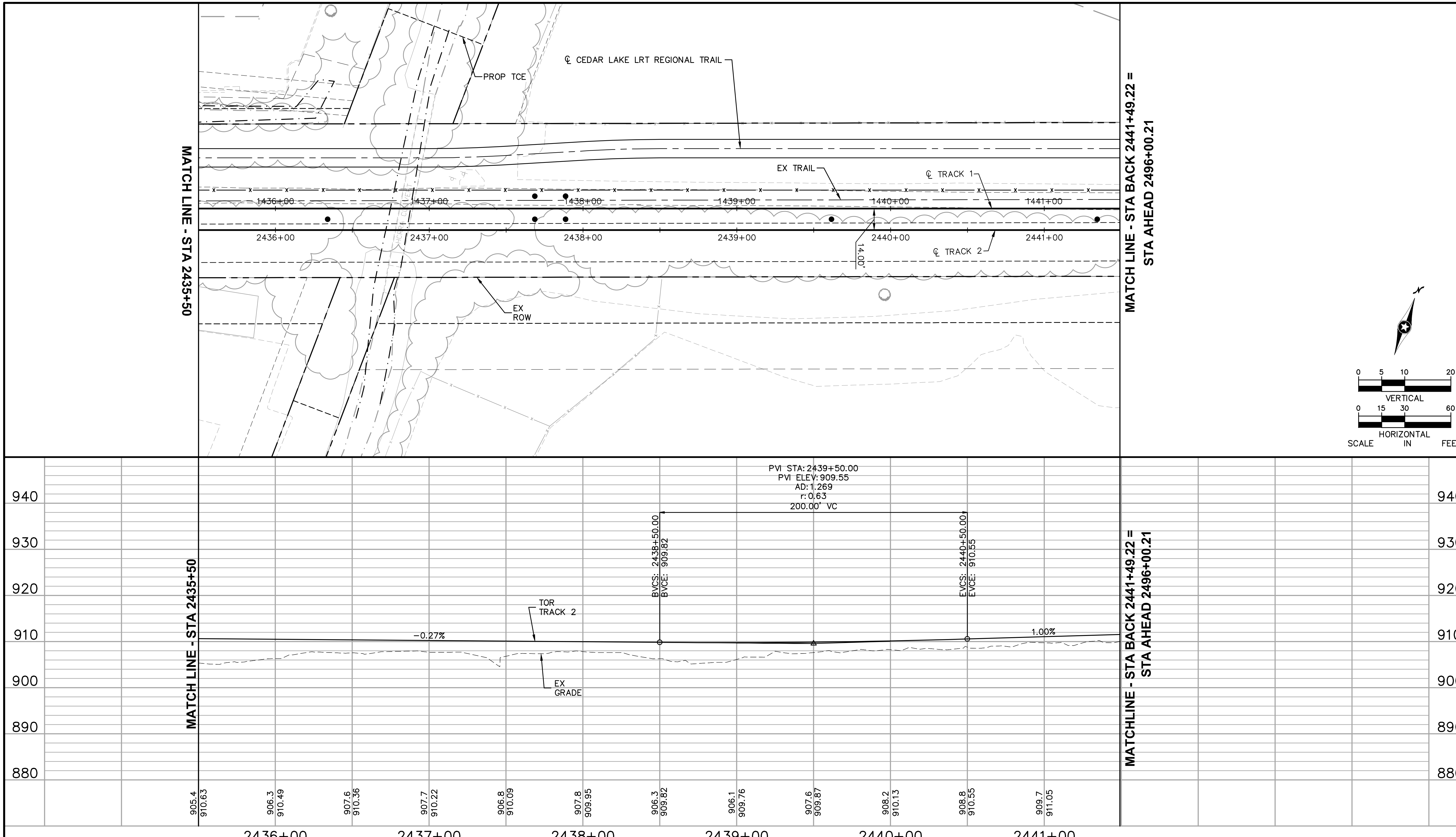
CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2428+50 TO STA 2435+50

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-PRF - 016

SHEET 210 OF 211

Jan, 18 2016 09:11 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-PRF.dwg By: V-RaboodV



Jan, 18 2016 09:12 am V:\3400_ADC\CAD\00_WEST\PLANSHEETS\TRACK\W3-TRK-PRF.dwg By: V-RaboodV

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 3A
TRACK
PLAN AND PROFILE
STA 2435+50 TO STA 2441+49.22

DISCIPLINE: TRACK

SHEET NAME: W3-TRK-PRF - 017

SHEET 211 OF 211