

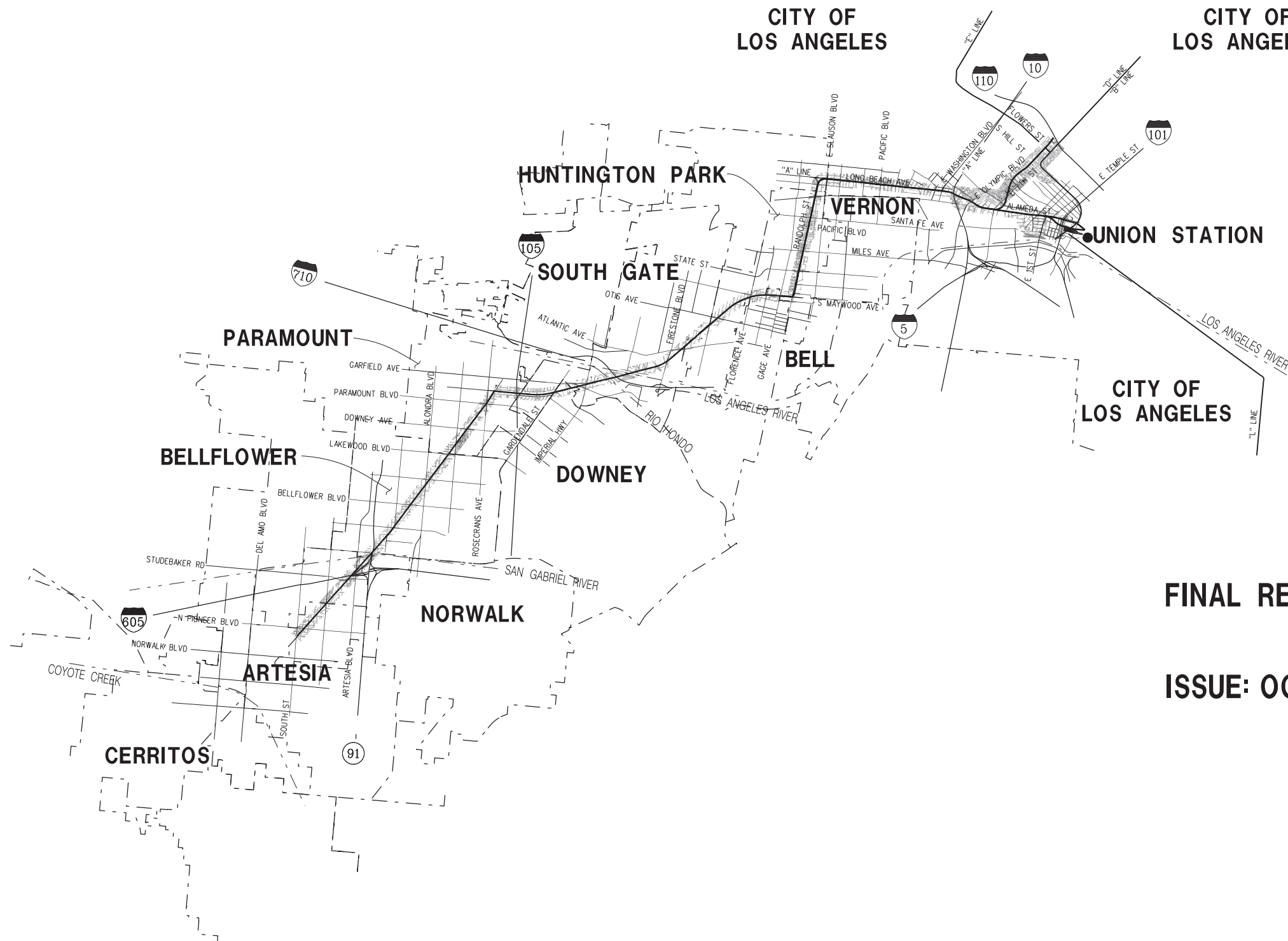
West Santa Ana Branch Transit Corridor

Draft EIS/EIR Appendix B: Final Advanced Conceptual Alignment Design
Part 1

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09-FEB-2021



FINAL REVISED ACE ALIGNMENT DESIGN
ISSUE: OCTOBER 08, 2020

NOT FOR CONSTRUCTION

WEST SANTA ANA BRANCH TRANSIT CORRIDOR PROJECT

444 South Flower Street
Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

INDEX OF DRAWINGS

SHT NO	DWG NO	DWG TITLE	SHT NO	DWG NO	DWG TITLE	SHT NO	DWG NO	DWG TITLE
GENERAL								
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2	G-003	GENERAL ALTERNATIVE SEGMENTS KEY MAP	65	T-140	TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 779+50 TO STA 789+50	133	T-267	TRACK ALIGNMENT C LINE PLAN & PROFILE STA 26+50 TO STA 34+04
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7	T-2-103	TRACK ALIGNMENT ALTERNATIVE 2 PLAN & PROFILE STA 417+50 TO STA 427+50	70	T-204	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 827+50 TO STA 837+50			
8	T-2-104	TRACK ALIGNMENT ALTERNATIVE 2 PLAN & PROFILE STA 427+50 TO STA 436+50	71	T-205	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 837+50 TO STA 846+50			
9	T-2-105	TRACK ALIGNMENT ALTERNATIVE 2 PLAN & PROFILE STA 436+50 TO STA 446+50	72	T-206	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 846+50 TO STA 856+50			
10	T-2-106	TRACK ALIGNMENT ALTERNATIVE 2 PLAN & PROFILE STA 446+50 TO STA 456+50	73	T-207	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 856+50 TO STA 865+50			
11	T-2-107	TRACK ALIGNMENT ALTERNATIVE 2 PLAN & PROFILE STA 456+50 TO STA 465+50	74	T-208	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 865+50 TO STA 875+50			
12	T-2-108	TRACK ALIGNMENT ALTERNATIVE 2 PLAN & PROFILE STA 465+50 TO STA 475+50	75	T-209	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 875+50 TO STA 883+50			
13	T-2-109	TRACK ALIGNMENT ALTERNATIVE 2 PLAN & PROFILE STA 475+50 TO STA 485+50	76	T-210	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 883+50 TO STA 892+50			
14	T-2-110	TRACK ALIGNMENT ALTERNATIVE 2 PLAN & PROFILE STA 485+50 TO STA 495+50	77	T-211	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 892+50 TO STA 900+50			
15	T-2-111	TRACK ALIGNMENT ALTERNATIVE 2 PLAN & PROFILE STA 495+50 TO STA 504+50	78	T-212	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 900+50 TO STA 910+50			
16	T-1B-101	TRACK ALIGNMENT ALTERNATIVE 1B PLAN & PROFILE STA 399+65 TO STA 410+50	79	T-213	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 910+50 TO STA 920+50			
17	T-1B-102	TRACK ALIGNMENT ALTERNATIVE 1B PLAN & PROFILE STA 410+50 TO STA 419+50	80	T-214	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 920+50 TO STA 930+50			
18	T-1B-103	TRACK ALIGNMENT ALTERNATIVE 1B PLAN & PROFILE STA 419+50 TO STA 429+50	81	T-215	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 930+50 TO STA 939+50			
19	T-1B-104	TRACK ALIGNMENT ALTERNATIVE 1B PLAN & PROFILE STA 429+50 TO STA 439+50	82	T-216	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 939+50 TO STA 948+50			
20	T-1B-105	TRACK ALIGNMENT ALTERNATIVE 1B PLAN & PROFILE STA 439+50 TO STA 446+00	83	T-217	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 948+50 TO STA 958+50			
21	T-1A-101	TRACK ALIGNMENT ALTERNATIVE 1A PLAN & PROFILE STA 399+83 TO STA 409+50	84	T-218	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 958+50 TO STA 968+50			
22	T-1A-102	TRACK ALIGNMENT ALTERNATIVE 1A PLAN & PROFILE STA 409+50 TO STA 419+50	85	T-219	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 968+50 TO STA 978+50			
23	T-1A-103	TRACK ALIGNMENT ALTERNATIVE 1A PLAN & PROFILE STA 419+50 TO STA 429+50	86	T-220	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 978+50 TO STA 988+50			
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25	T-1A-105	TRACK ALIGNMENT ALTERNATIVE 1A PLAN & PROFILE STA 439+50 TO STA 449+50	88	T-222	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 998+50 TO STA 1008+50			
26	T-1A-106	TRACK ALIGNMENT ALTERNATIVE 1A PLAN & PROFILE STA 449+50 TO STA 459+50	89	T-223	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 1008+50 TO STA 1018+50			
27	T-1A-107	TRACK ALIGNMENT ALTERNATIVE 1A PLAN & PROFILE STA 459+50 TO STA 469+50	90	T-224	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 1018+50 TO STA 1028+50			
28	T-1A-108	TRACK ALIGNMENT ALTERNATIVE 1A PLAN & PROFILE STA 469+50 TO STA 479+50	91	T-225	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 1028+50 TO STA 1038+50			
29	T-1A-109	TRACK ALIGNMENT ALTERNATIVE 1A PLAN & PROFILE STA 479+50 TO STA 489+50	92	T-226	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 1038+50 TO STA 1045+50			
30	T-1A-110	TRACK ALIGNMENT ALTERNATIVE 1A PLAN & PROFILE STA 489+50 TO STA 499+50	93	T-227	TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 1045+50 TO STA 1055+50			
31	T-1A-111	TRACK ALIGNMENT ALTERNATIVE 1A PLAN & PROFILE STA 499+50 TO STA 509+50	94	T-228	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1055+50 TO STA 1064+50			
32	T-112	TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 509+50 TO STA 519+50	95	T-229	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1064+50 TO STA 1074+50			
33	T-113	TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 519+50 TO STA 529+50	96	T-230	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1074+50 TO STA 1084+50			
34	T-114	TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 529+50 TO STA 539+50	97	T-231	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1084+50 TO STA 1094+50			
35	T-115	TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 539+50 TO STA 549+50	98	T-232	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1094+50 TO STA 1104+50			
36	T-116	TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 549+50 TO STA 559+50	99	T-233	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1104+50 TO STA 1111+50			
37	T-117	TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 559+50 TO STA 569+50	100	T-234	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1111+50 TO STA 1121+50			
38	T-118	TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 569+50 TO STA 579+50	101	T-235	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1121+50 TO STA 1130+50			
39	T-119	TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 579+50 TO STA 589+50	102	T-236	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1130+50 TO STA 1140+50			
40	T-120	TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 589+50 TO STA 599+50	103	T-237	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1140+50 TO STA 1150+50			
41	T-121	TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 599+50 TO STA 609+50	104	T-238	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1150+50 TO STA 1160+50			
42	T-122	TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 609+50 TO STA 619+50	105	T-239	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1160+50 TO STA 1170+50			
43	T-123	TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 619+50 TO STA 629+50	106	T-240	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1170+50 TO STA 1180+50			
44	T-124	TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 629+50 TO STA 639+00	107	T-241	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1180+50 TO STA 1190+50			
45	T-125	TRACK ALIGNMENT ALTERNATIVE 1 AND 3 PLAN & PROFILE STA 639+00 TO STA 645+50	108	T-242	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1190+50 TO STA 1200+50			
46	T-126	TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 645+50 TO STA 655+50	109	T-243	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1200+50 TO STA 1210+50			
47	T-126B	TRACK ALIGNMENT ALTERNATIVE 3 PLAN & PROFILE STA 645+50 TO STA 655+50	110	T-244	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1210+50 TO STA 1220+50			
48	T-127	TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 655+50 TO STA 665+50	111	T-245	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1220+50 TO STA 1230+50			
49	T-127A	TRACK ALIGNMENT ALTERNATIVE 2 PLAN & PROFILE STA 655+50 TO STA 665+50	112	T-246	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1230+50 TO STA 1240+50			
50	T-127B	TRACK ALIGNMENT ALTERNATIVE 3 PLAN & PROFILE STA 655+50 TO STA 665+50	113	T-247	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1240+50 TO STA 1250+50			
51	T-128	TRACK ALIGNMENT ALTERNATIVE 1 AND 3 PLAN & PROFILE STA 665+50 TO STA 674+50	114	T-248	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1250+50 TO STA 1260+50			
52	T-128A	TRACK ALIGNMENT ALTERNATIVE 2 PLAN & PROFILE STA 665+50 TO STA 674+50	115	T-249	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1260+50 TO STA 1270+50			
53	T-128B	TRACK ALIGNMENT ALTERNATIVE 3 PLAN & PROFILE STA 665+50 TO STA 674+50	116	T-250	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1270+50 TO STA 1280+50			
54	T-129	TRACK ALIGNMENT ALTERNATIVE 1 AND 3 PLAN & PROFILE STA 674+50 TO STA 684+00	117	T-251	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1280+50 TO STA 1290+50			
55	T-130	TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 684+00 TO STA 689+50	118	T-252	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1290+50 TO STA 1300+50			
56	T-131	TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 689+50 TO STA 699+50	119	T-253	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1300+50 TO STA 1310+50			
57	T-132	TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 699+50 TO STA 709+50	120	T-254	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1310+50 TO STA 1320+50			
58	T-133	TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 709+50 TO STA 719+50	121	T-255	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1320+50 TO STA 1329+50			
59	T-134	TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 719+50 TO STA 729+50	122	T-256	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1329+50 TO STA 1339+50			
60	T-135	TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 729+50 TO STA 739+50	123	T-257	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1339+50 TO STA 1349+50			
61	T-136	TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 739+50 TO STA 749+50	124	T-258	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1349+50 TO STA 1359+50			
62	T-137	TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 749+50 TO STA 759+50	125	T-259	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1359+50 TO STA 1369+50			
63	T-138	TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 759+50 TO STA 769+50	126	T-260	TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1369+50 TO STA 1379+50			
TRACKWORK CONT.								
TRACKWORK CONT.								
TYPICAL SECTIONS								
TYPICAL SECTIONS								

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<small>THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.</small>									
0	10/8/2020								FINAL REVISED ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION		

DESIGNED BY AM
DRAWN BY HH
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

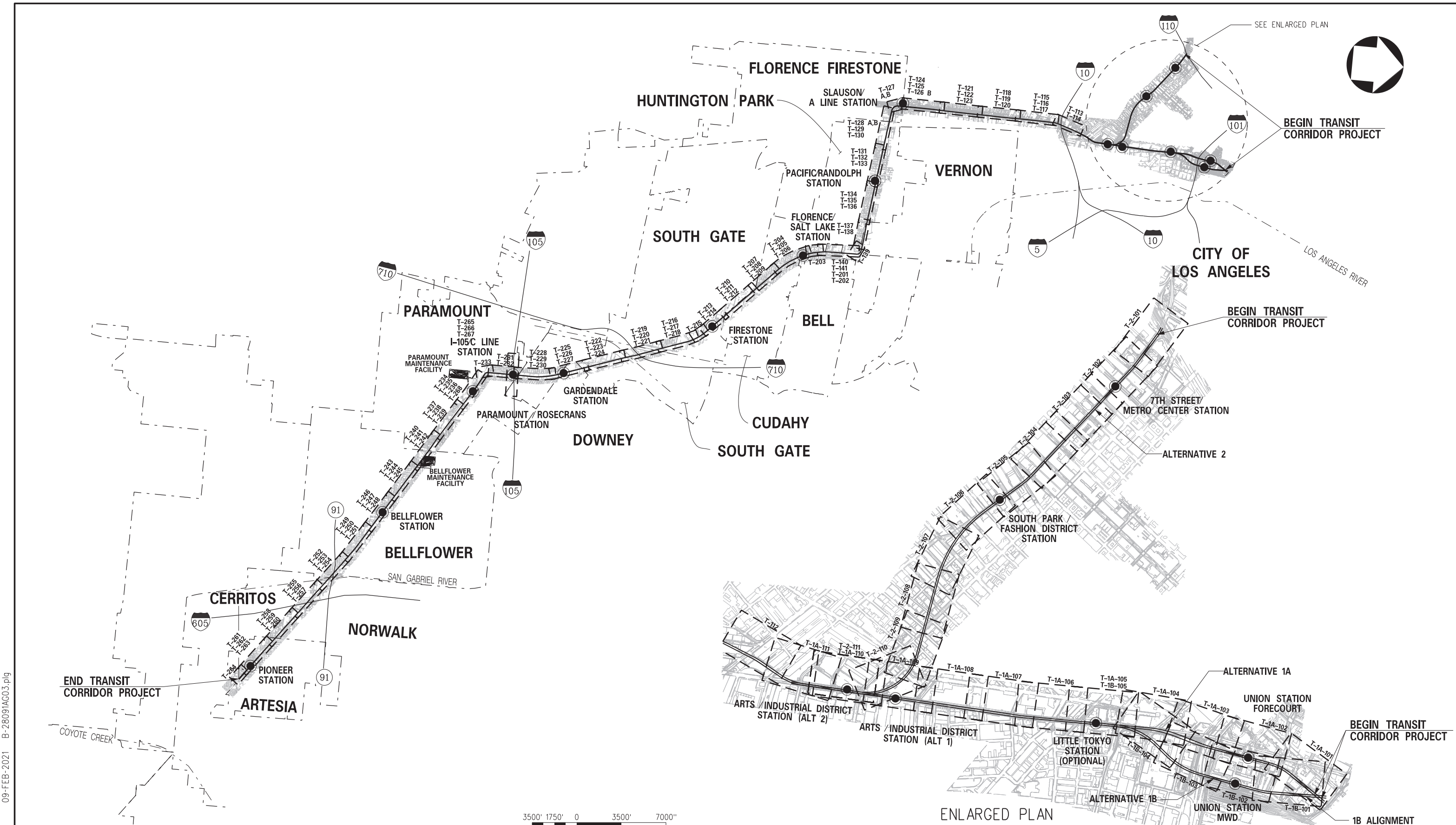
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444 South Flower Street
Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

SUBMITTED _____	APPROVED _____
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WEST SANTA ANA BRANCH LRT GENERAL		<small>CONTRACT NO</small> AE5999300
INDEX OF DRAWINGS		<small>DRAWING NO</small> G-002
<small>SCALE</small>		<small>REV</small>
<small>SHEET NO</small>		<small>OF</small>
1		154

NOT FOR CONSTRUCTION



SEE ENLARGED PLAN



BEGIN TRANSIT CORRIDOR PROJECT

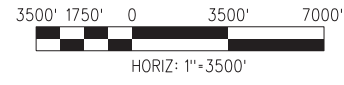
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ALTERNATIVE 2

ALTERNATIVE 1A

BEGIN TRANSIT CORRIDOR PROJECT

1B ALIGNMENT



ENLARGED PLAN
NO SCALE

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BY	APP	IN CHARGE NM
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DESIGNED BY AM
DRAWN BY HH
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

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APPROVED _____

WEST SANTA ANA BRANCH LRT
GENERAL
ALTERNATIVE SEGMENTS
KEY MAP

CONTRACT NO. AE5999300
DRAWING NO. G-003
SCALE 1" = 3500'
SHEET NO. 2 OF 154

LIST OF ABBREVIATIONS

ALT	Alternative	N	North
ANT	Antenna	OCS	Overhead Catenary System
APPROX	Approximate	OG	Original Ground/Grade
BC	Beginning of curve	OH	Overhead
BDRY	Boundary	OPP	Opposite
BEG	Begin	PC	Point of Curve
BLDG	Building	PED	Pedestrian
BM	Bench mark	PG	Profile Grade
BOW	Back of Sidewalk	PI	Point of Intersection
B/W	Back of wall	PITO	Point of intersection of turnout
C/C	Center to center	PL	Property line
CIDH	Cast-in-drilled-hole	PP	Power pole
CL	Clearance, center line	PS	Point of switch
COL	Column	PT	Point of Tangent
CONC	Concrete	PVC	Point of Vertical Curve
CS	Custodial Services	PVI	Point of Vertical Intersection
DWY	Driveway	PVMT	Pavement
E	East	PVT	Point of vertical tangency
(E)	Extra Potential TPSS Site	R	Radius, Right
EB	Eastbound	R/W	Existing Right-of-way
EC	End of curve	RR	Railroad
ELEV	Elevation	RT	Right
EP	Edge of pavement	RW	Retaining Wall
ESMT	Easement	SD	Storm drain
EVC	End of vertical curb	SEM	Sequential Excavation Method
EXC	Excavation	SOE	Support of excavation
EXIST	Existing	SS	Sanitary sewer
FG	Finished grade	STA	Station, Stationing
FM	Facilities Maintenance	SW	Sidewalk
FS	Finished surface	TCC	Train Control and Communication Building
GR	Grade	TOPO	Topography
H	High or Height	TP	Traction Power
HORIZ	Horizontal	TPSS	Traction Power Substation
JT	Joint	TOR	Top of Rail
L	Length	TYP	Typical
LA	Los Angeles	UPE	Under Platform Exhaust
LRT	Light Rail Transit	VAR	Varies
LT	Left	WB	Westbound
MED	Median	XO	Crossover
Min	Minimum	XSEC	Cross section
MISC	Miscellaneous		
MWD	Metropolitan Water District		

GENERAL NOTES

1. DESIGN IS CONCEPTUAL IN NATURE, FOR PURPOSE OF ESTABLISHING ENVIRONMENTAL FOOTPRINT.
2. PROFILE VERIFICATION PENDING BUILDING FOUNDATION AS-BUILTS. FINAL PROFILES TO BE DETERMINED UPON ADDITIONAL DESIGN.
3. MAJOR UTILITY LOCATIONS AND IMPACTS REQUIRE FURTHER COORDINATION AND REVIEW.
4. PLACEMENT OF COLUMNS AND OUTRIGGERS IS PRELIMINARY. ACTUAL LAYOUT TO BE DETERMINED IN FINAL DESIGN. COLUMNS MAY ENCROACH INTO PRIVATE PROPERTIES. OUTRIGGERS ARE USED WHERE STREET GEOMETRY IS LIMITED AND/OR TRAFFIC IS IMPACTED.
5. COORDINATION NEEDED WITH FREIGHT RAILROADS AND CALTRANS.
6. FURTHER COORDINATION REQUIRED WITH PROJECTS AS LISTED:
RAIL TO RAIL/RIVER CORRIDOR, CONNECT US ACTION PLAN, LINK UNION STATION (LINK US) (FORMERLY SCRIP), CA HIGH SPEED RAIL, METRO GOLDLINE (MGLEE), METRO REGIONAL CONNECTOR (RC), FORECOURT AND ESPLANADE IMPROVEMENTS, HOLLYDALE VILLAGE SPECIFIC PLAN, RANCHO LOS AMIGOS RE-DEVELOPMENT, BELLFLOWER-PARAMOUNT JOINT BIKE AND TRAIL MASTER PLAN.
7. EXISTING UTILITIES ARE SHOWN IN PROFILE ONLY TO DEPICT THE VERTICAL SEPARATION FROM THE PROPOSED WORK AND ARE APPROXIMATE. FOR FURTHER DETAILS REGARDING LOCATIONS, REFER TO UTILITY DRAWINGS.
8. DETAILED DESIGN OF VENTILATION GRATINGS AND EGRESS TO BE COMPLETED IN SUBSEQUENT DESIGN PHASE.
9. SEE RESPECTIVE FREIGHT, GRADE CROSSING, AND STATION DESIGN DRAWINGS FOR MORE DETAILS.
10. ALL RAILROAD SPURS SHOWN FOR REALIGNMENT NEED CONFIRMATION FROM RAILROAD.
11. EXISTING PROPERTY LINES ARE APPROXIMATE.

SYMBOLOLOGY LEGEND

	PROPOSED RETAINING WALL
	PROPOSED TUNNEL
	PROPOSED FENCE LINE
	PROPOSED SOUND WALL
	EXIST FREIGHT TRACK
	PROPOSED RELOCATED FREIGHT TRACK
	EXISTING CITY/MUNICIPAL BOUNDARY
	PROPOSED CONCRETE BARRIER
	EXISTING PROPERTY LINE
	PROPOSED LRT TRACK CENTERLINE
	POTENTIAL CONSTRUCTION LAYDOWN AREA
	PROPOSED LIMIT OF UNDERGROUND STRUCTURE

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LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

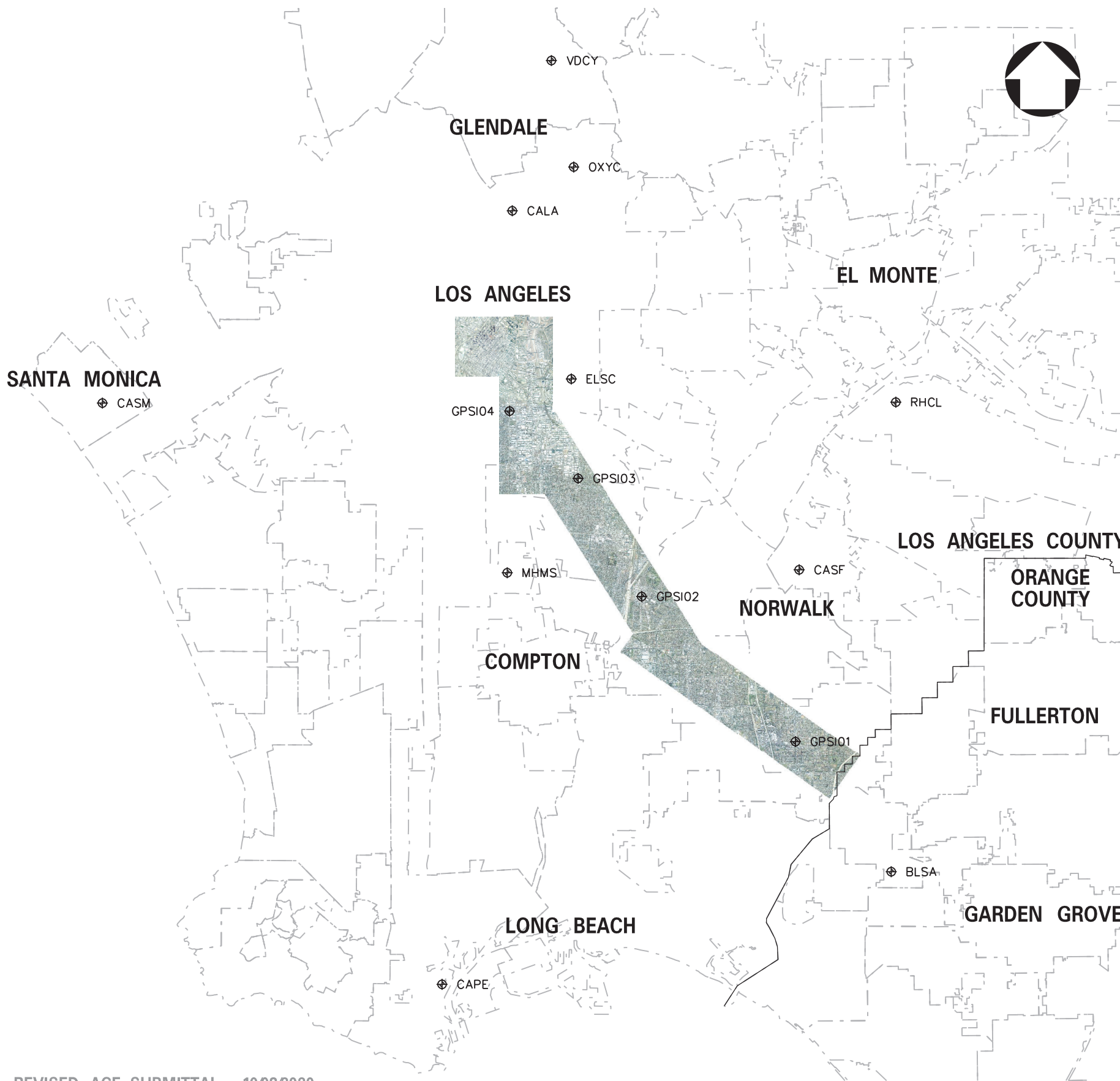
wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____
APPROVED _____

NOT FOR CONSTRUCTION

WEST SANTA ANA BRANCH LRT GENERAL ALTERNATIVE SEGMENTS ABBREVIATIONS

CONTRACT NO AE5999300	
DRAWING NO G-004	REV
SCALE	
SHEET NO 3	OF 154



BASIS OF GEODETIC COORDINATES

GEODETIC COORDINATES SHOWN HEREON ARE BASED UPON THE NORTH AMERICAN DATUM OF 1983 (2011), CSRS EPOCH 2017.5, CALIFORNIA COORDINATE SYSTEM ZONE 5, US SURVEY FT, AS REALIZED THROUGH THE CALIFORNIA REAL TIME NETWORK PRIMARY CONTROL STATIONS SHOWN HEREON. GNSS DERIVED ORTHOMETRIC HEIGHTS SHOWN HEREON ARE BASED UPON GRS80 ELLIPSOIDAL HEIGHTS AS REALIZED THROUGH THE AFOREMENTIONED NAD83, EPOCH 2017.5 PRIMARY CONTROL STATIONS WITH THE ABSOLUTE APPLICATION OF GEOID12B.



PRIMARY CONTROL POINTS

STATION	NORTHING	EASTING	HEIGHT	DESCRIPTION
ELSC	1833267.68	6498516.35	318.54	CRTN STATION EAST LA SCIENCE CENTER
MHMS	1800292.28	6487619.47	111.60	CRTN STATION MARKHAM MIDDLE SCHOOL
OXYC	1869323.45	6498929.40	803.15	CRTN STATION OCCIDENTAL COLLEGE
RHCL	1829315.58	6553739.69	696.72	CRTN STATION RHCL_SCGN_CS1998
BLSA	1749431.99	6552957.21	42.90	CRTN STATION BOLSA CHICA CHANNEL
VDCY	1887437.69	6495130.10	1157.22	CRTN STATION VERDUGO CANYON

PROJECT CONTROL POINTS

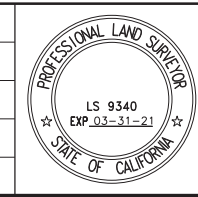
STATION	NORTHING	EASTING	HEIGHT	DESCRIPTION
CALA	1861875.98	6488475.52	399.83	SMARTNET STATION LOS ANGELES
CAPE	1730270.02	6476524.52	73.84	SMARTNET STATION SAN PEDRO
CASF	1800797.08	6537293.01	157.77	SMARTNET STATION SANTA FE SPRINGS
CASM	1829162.10	6418731.03	218.14	SMARTNET STATION SANTA MONICA
GPSI01	1771565.09	6536661.91	50.57	SET REBAR WITH RED CAP STAMPED "RSE CONTROL"
GPSI02	1796253.19	6510496.66	97.34	SET REBAR WITH RED CAP STAMPED "RSE CONTROL"
GPSI03	1816342.25	6499678.36	160.79	SET REBAR WITH RED CAP STAMPED "RSE CONTROL"
GPSI04	1827794.23	6488015.80	217.12	SET REBAR WITH RED CAP STAMPED "RSE CONTROL"

19-OCT-2020 B-28091AW101.plt
wsppw04-pw-svc 15:19

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					FINAL REVISED ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY
CF
DRAWN BY
CC
CHECKED BY
TL
IN CHARGE
NM
DATE
10/08/2020



M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

RSE, Inc.
200 N. 9951 37TH STREET
CLAREMONT, CA 91711
www.rseinc.com

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APPROVED _____

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WEST SANTA ANA BRANCH LRT
PROJECT MAPPING CONTROL SURVEY CONTROL PLAN

CONTRACT NO
AE5999300

DRAWING NO
W-101

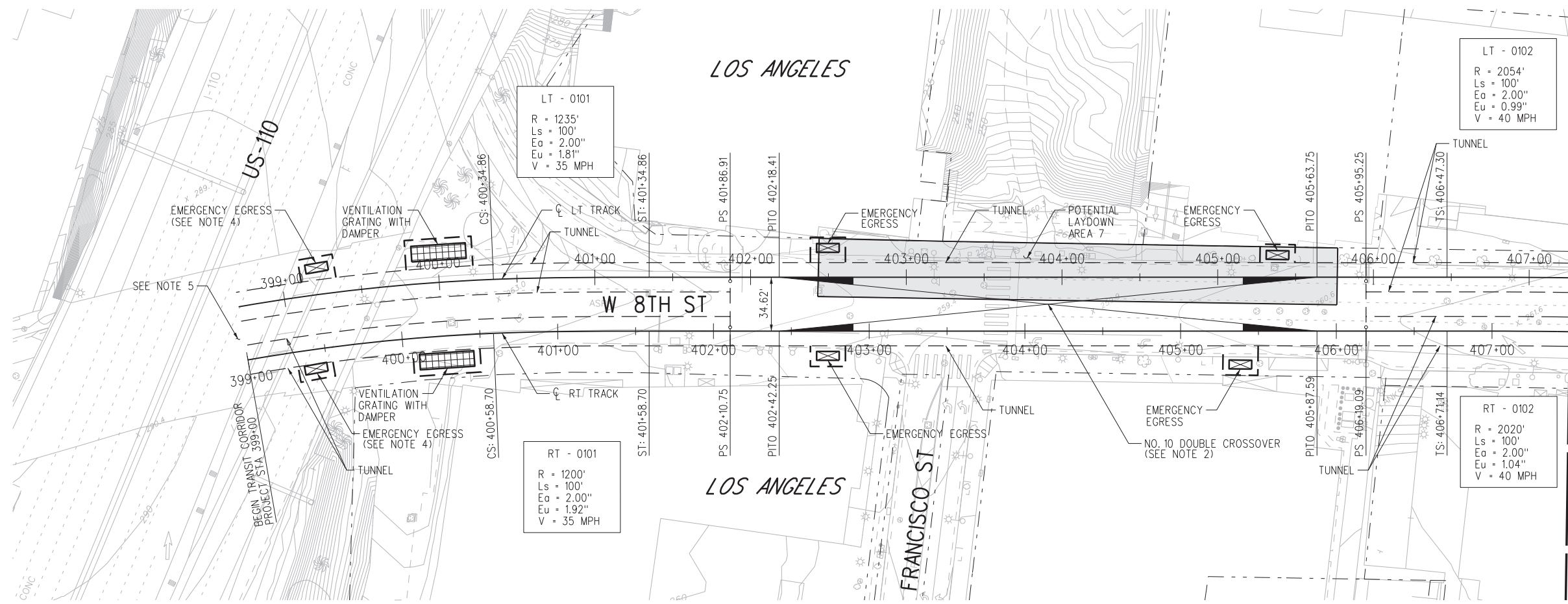
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SHEET NO
4 OF 154

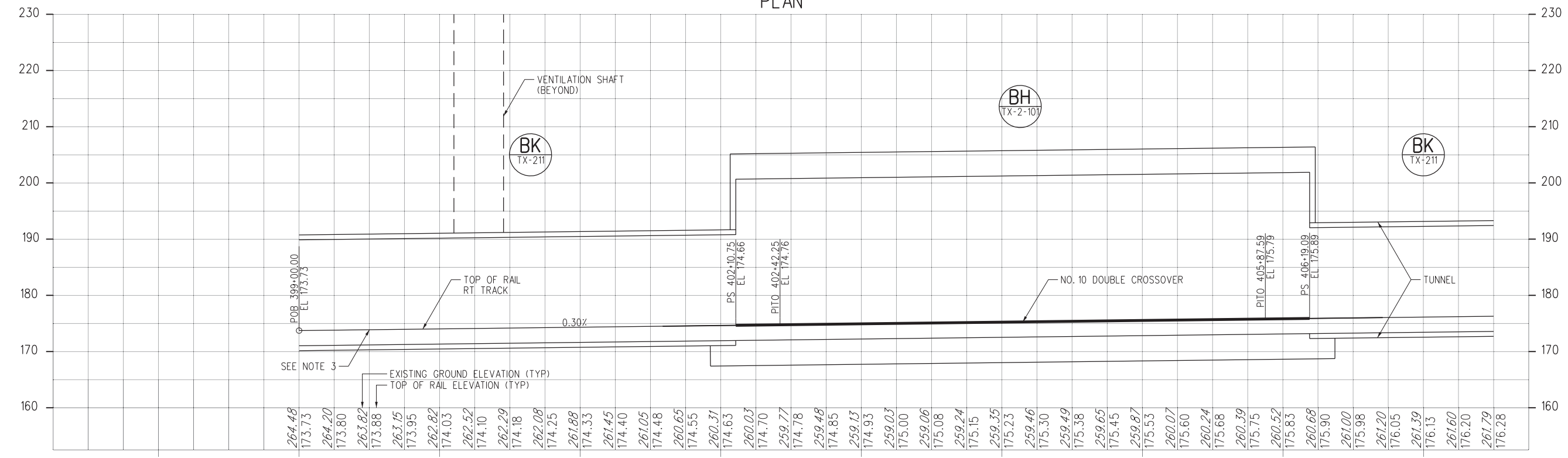


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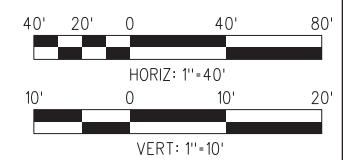
- EXISTING UTILITIES ARE SHOWN IN PROFILE ONLY TO DEPICT THE VERTICAL SEPARATION FROM THE PROPOSED WORK AND ARE APPROXIMATE. FOR FURTHER DETAILS REGARDING LOCATIONS, REFER TO UTILITY DRAWINGS.
- METRO DESIGN DEVIATION MAY BE REQUIRED. SECTION 4 STATES TURNOUTS AT TERMINAL STATIONS SHALL BE MINIMUM No. 15.
- SUMP LINE TO STORM DRAIN REQUIRED. LINE TO COINCIDE WITH EXCAVATION FROM SURFACE.
- EMERGENCY EGRESS LOCATED BENEATH US-110 ON ROADWAY UNDERPASS.
- VENTILATION DESIGN HAS NOT BEEN DONE TO DEFINE REQUIREMENTS FOR END OF TUNNEL.
- RAIL OPERATIONS SIMULATION TO BE PERFORMED DURING FUTURE DESIGN PHASE TO OBSERVE CONSISTENCY WITH SERVICE PLAN TO PROCESS UPWARDS OF 24 TRAINS PER HOUR PER METRO OPERATIONS RECOMMENDATION.
- METRO DESIGN DEVIATION MAY BE REQUIRED. SECTION 10 STATES CROSSOVER SHOULD BE WITHIN 500' FROM TERMINAL PLATFORM.



PLAN



PROFILE



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10-MAY-2021 B-28091ATG101.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

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IN CHARGE	NM
DATE	10/8/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

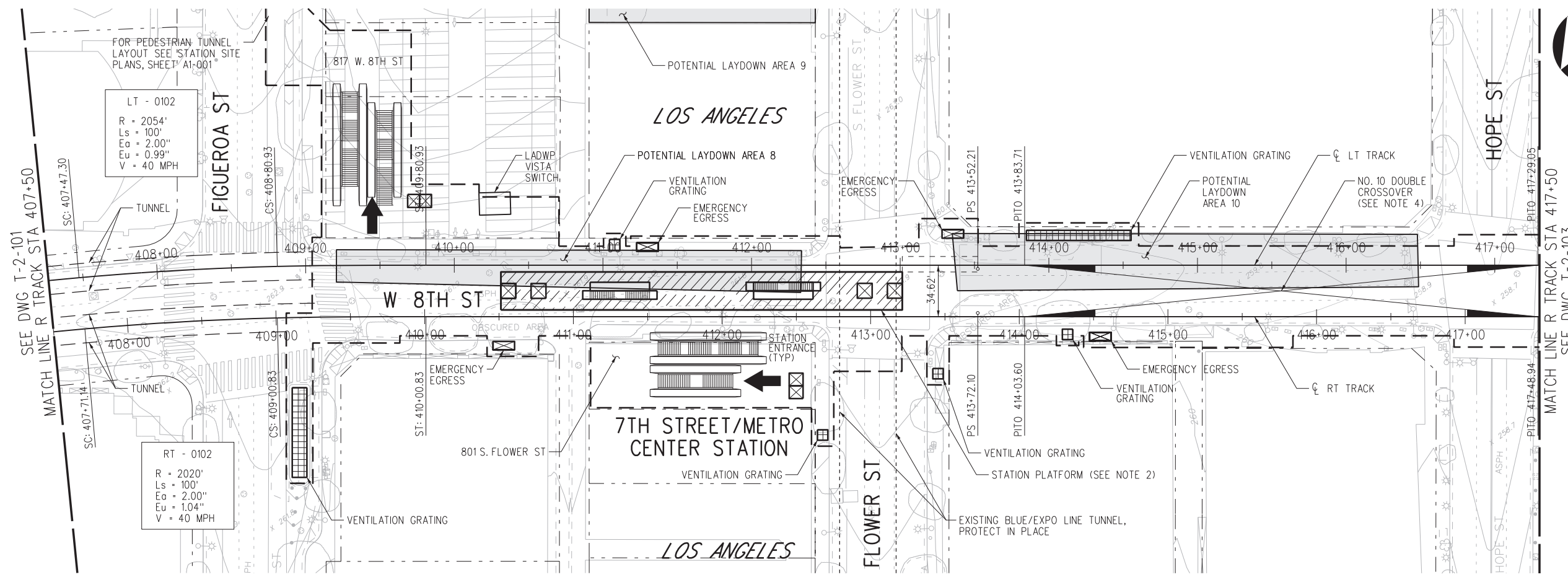
Metro
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp
 444 South Flower Street
 Suite 800
 Los Angeles, CA 90071
 TEL (213) 362-9470

SUBMITTED: _____
 APPROVED: _____

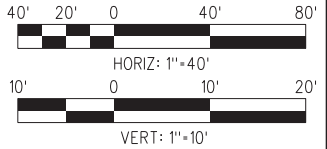
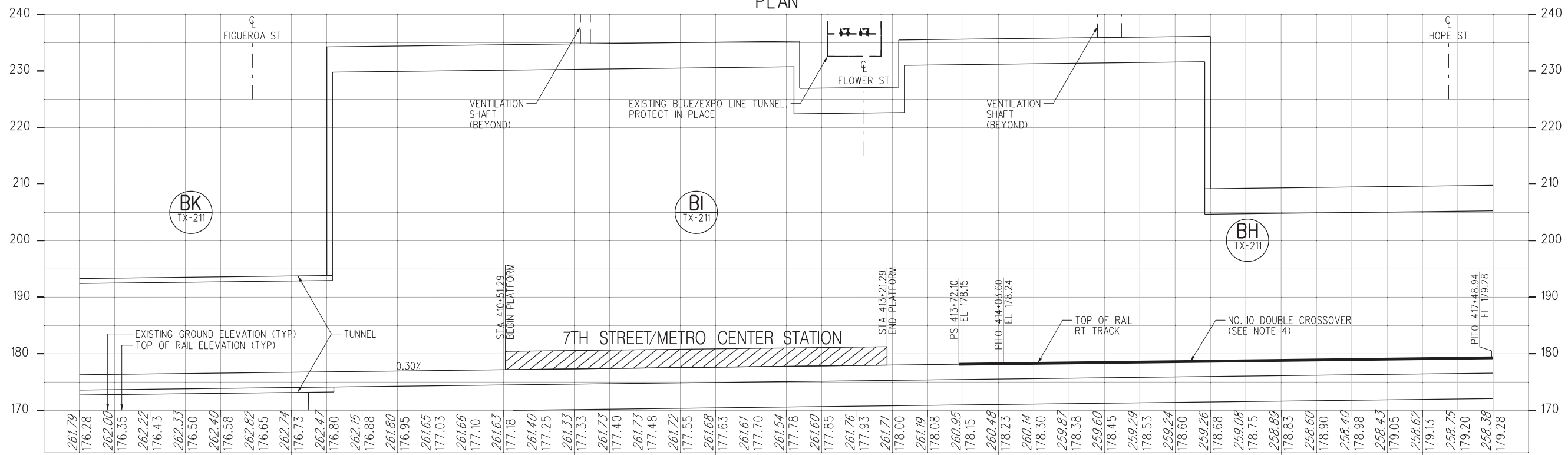
WEST SANTA ANA BRANCH LRT
 TRACK ALIGNMENT
 ALTERNATIVE 2
 PLAN & PROFILE
 STA 399+00 TO STA 407+50

CONTRACT NO. AE5999300
 DRAWING NO. T-2-101
 SCALE: HORIZ: 1"=40' VERT: 1"=10'
 SHEET NO. 5 OF 154



- NOTES:**
- EXISTING UTILITIES ARE SHOWN IN PROFILE ONLY TO DEPICT THE VERTICAL SEPARATION FROM THE PROPOSED WORK AND ARE APPROXIMATE. FOR FURTHER DETAILS REGARDING LOCATIONS, REFER TO UTILITY DRAWINGS.
 - FOR STATION LAYOUT, SEE STATION SITE PLANS, SHEET A1-001.
 - RAIL OPERATIONS SIMULATION TO BE PERFORMED DURING FUTURE DESIGN PHASE PER METRO OPERATIONS RECOMMENDATION.
 - METRO DESIGN DEVIATION MAY BE REQUIRED. SECTION 4 STATES TURNOUTS AT TERMINAL STATIONS SHALL BE MINIMUM No. 15.

PLAN



PROFILE


NOT FOR CONSTRUCTION

10-MAY-2021 B-28091ATG102.plg


FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
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DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

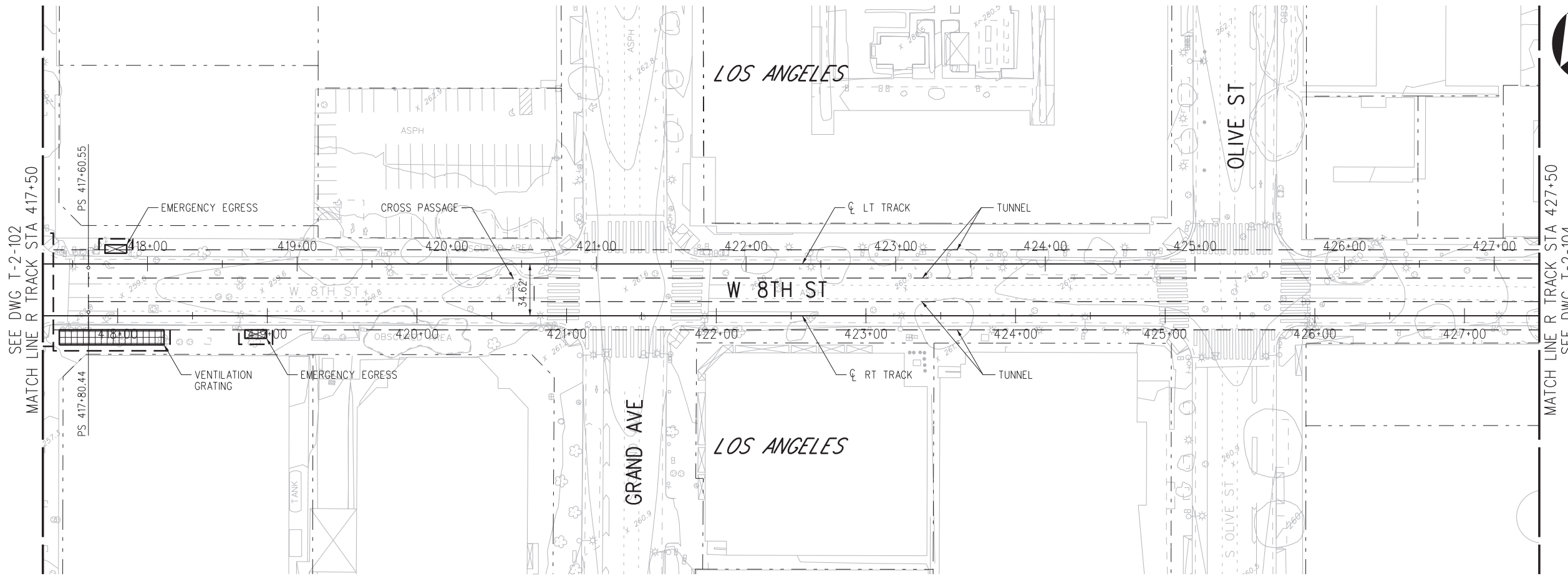


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TEL (213) 362-9470

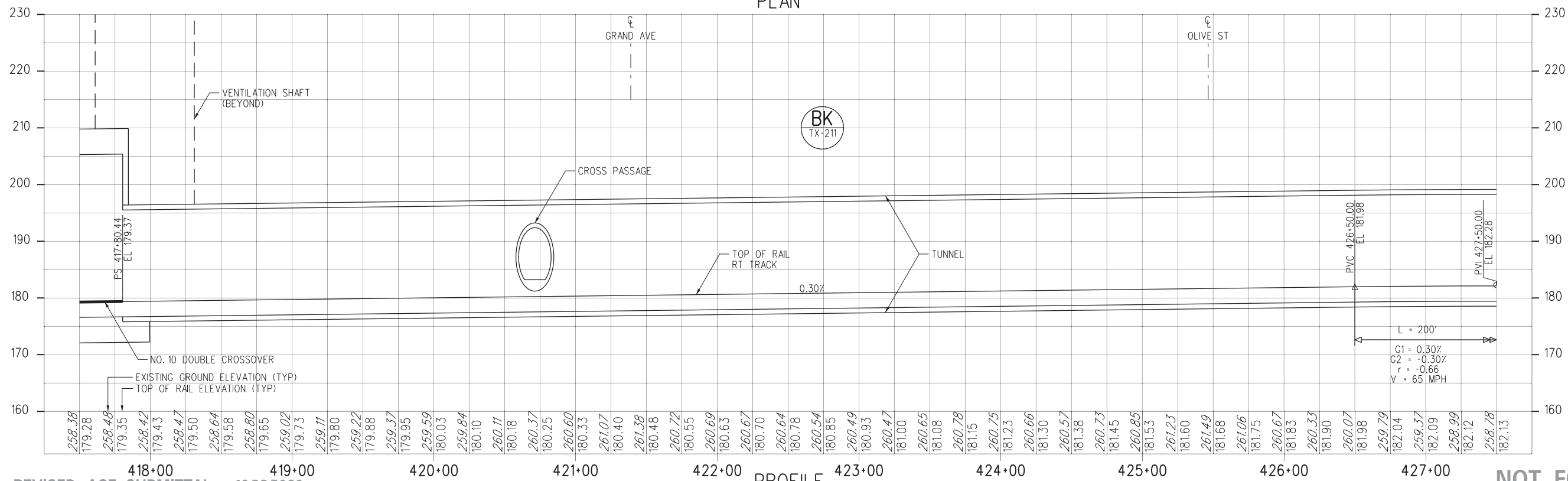
SUBMITTED	_____
APPROVED	_____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 2 PLAN & PROFILE STA 407+50 TO STA 417+50	
CONTRACT NO. AE5999300	REV
DRAWING NO. T-2-102	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 6	OF 154

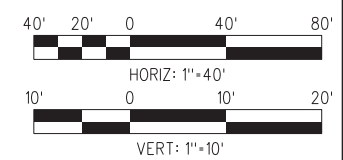
10-MAY-2021 B-28091ATG103.plg
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PLAN



PROFILE



FINAL REVISED ACE SUBMITTAL - 10/8/2020

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REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro
wsp 444 South Flower Street
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 Los Angeles, CA 90071
 TEL (213) 362-9470

SUBMITTED _____
 APPROVED _____

**WEST SANTA ANA BRANCH LRT
 TRACK ALIGNMENT
 ALTERNATIVE 2
 PLAN & PROFILE
 STA 417+50 TO STA 427+50**

CONTRACT NO
AE5999300

DRAWING NO
T-2-103

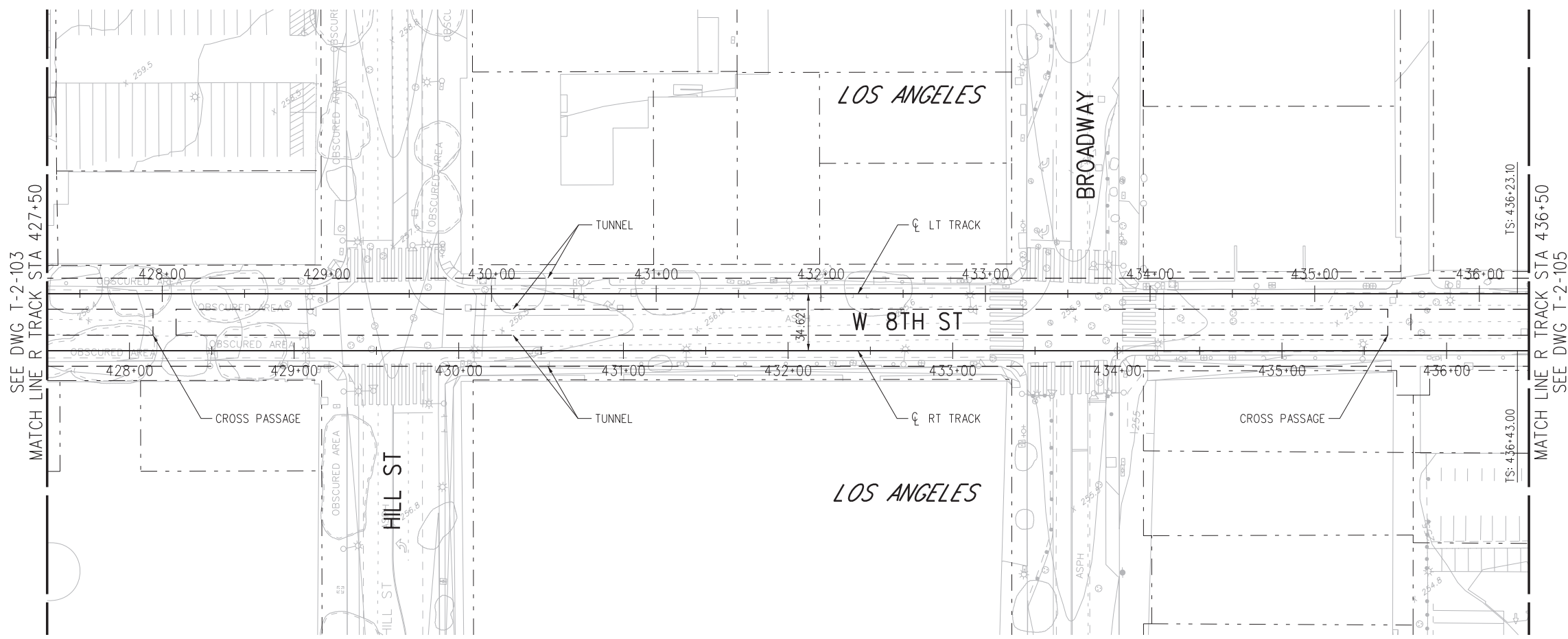
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SHEET NO
7 OF 154

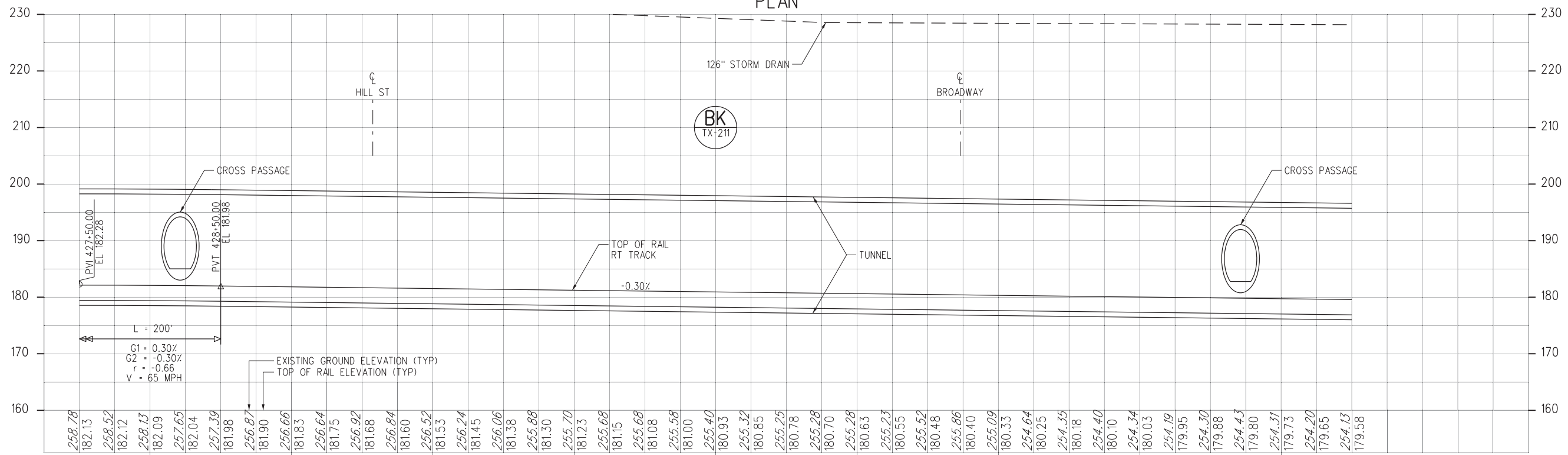


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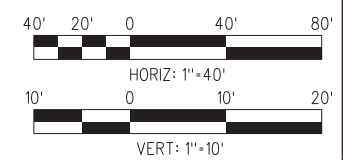
- EXISTING UTILITIES ARE SHOWN IN PROFILE ONLY TO DEPICT THE VERTICAL SEPARATION FROM THE PROPOSED WORK AND ARE APPROXIMATE. FOR FURTHER DETAILS REGARDING LOCATIONS, REFER TO UTILITY DRAWINGS.



PLAN



PROFILE




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10-MAY-2021 B-28091ATG104.plg


FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
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DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



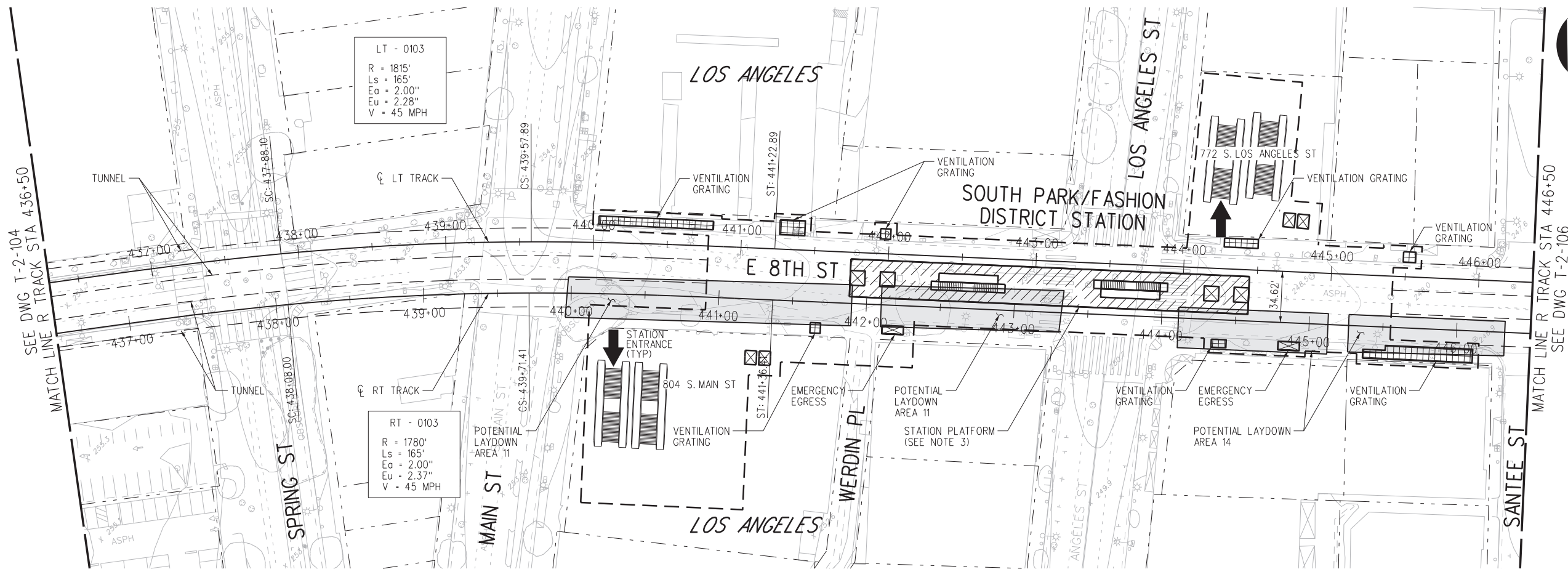
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



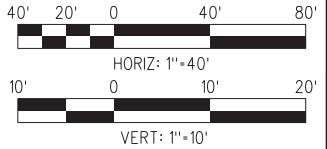
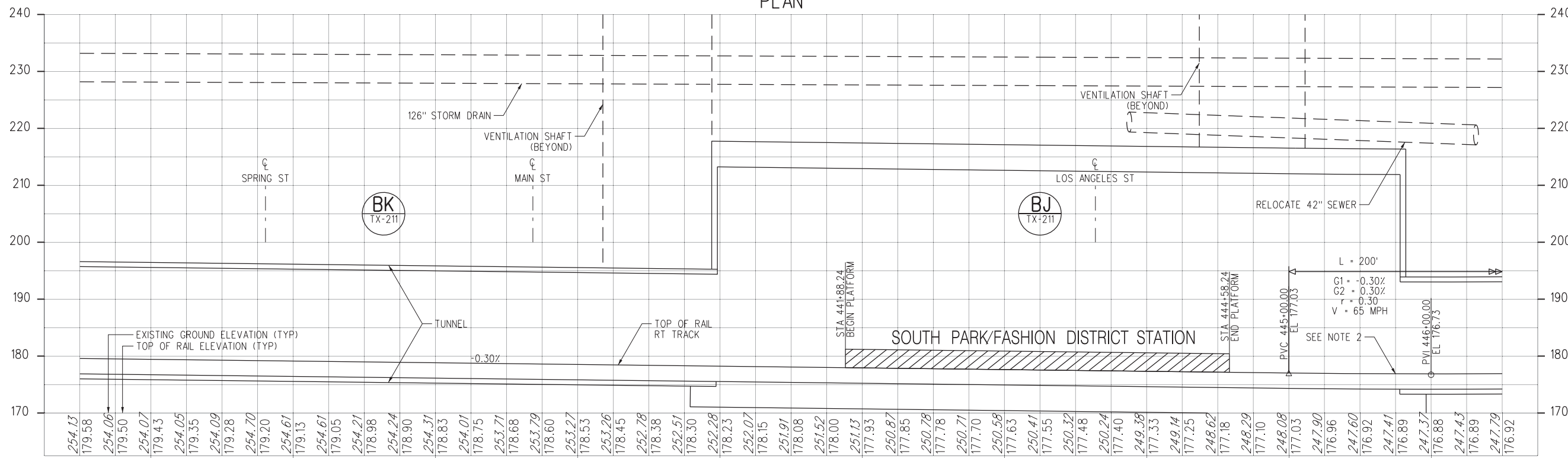
444 South Flower Street
Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

SUBMITTED	_____
APPROVED	_____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 2 PLAN & PROFILE STA 427+50 TO STA 436+50	
CONTRACT NO. AE5999300	REV
DRAWING NO. T-2-104	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 8	OF 154



- NOTES:**
- EXISTING UTILITIES ARE SHOWN IN PROFILE ONLY TO DEPICT THE VERTICAL SEPARATION FROM THE PROPOSED WORK AND ARE APPROXIMATE. FOR FURTHER DETAILS REGARDING LOCATIONS, REFER TO UTILITY DRAWINGS.
 - SUMP LINE TO STORM DRAIN REQUIRED. LINE TO COINCIDE WITH EXCAVATION FROM SURFACE.
 - FOR STATION LAYOUT, SEE STATION SITE PLANS, SHEET A2-001.



FINAL REVISED ACE SUBMITTAL - 10/08/2020

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REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	RM
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DATE	10/8/2020

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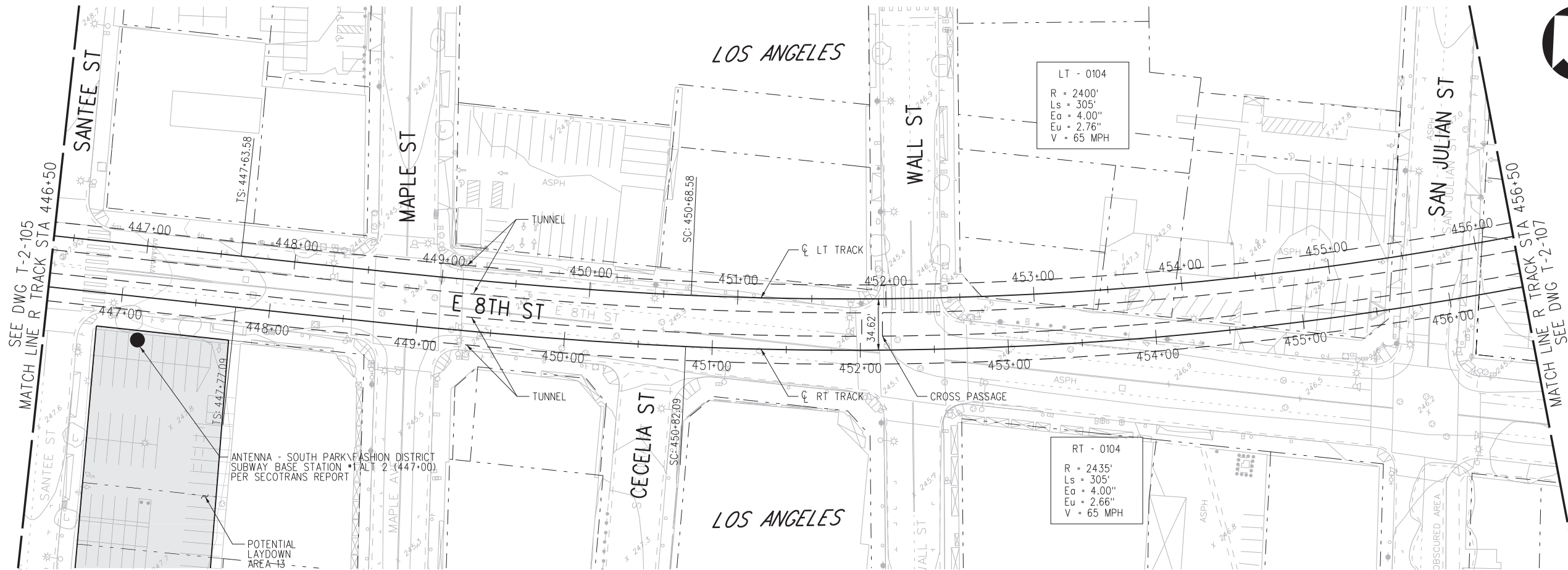
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DRAWING NO: T-2-105

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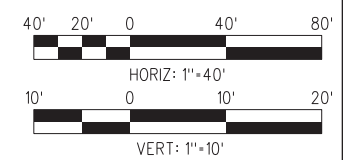
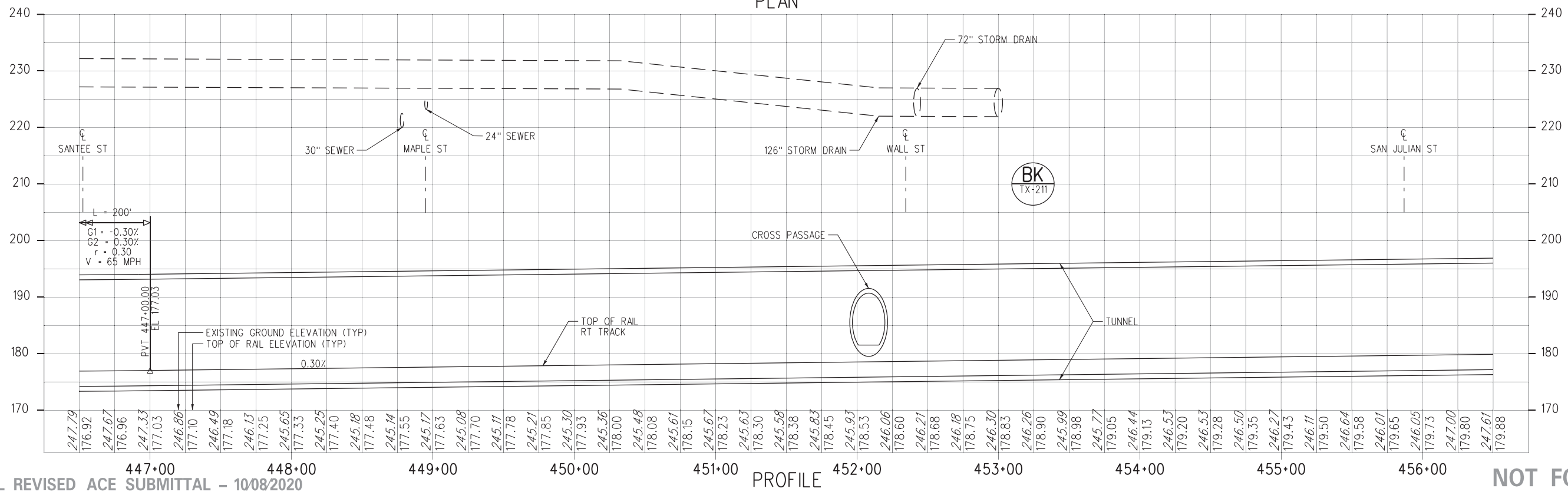
SHEET NO: 9 OF 154

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 2 PLAN & PROFILE STA 436+50 TO STA 446+50



NOTES:
 1. EXISTING UTILITIES ARE SHOWN IN PROFILE ONLY TO DEPICT THE VERTICAL SEPARATION FROM THE PROPOSED WORK AND ARE APPROXIMATE. FOR FURTHER DETAILS REGARDING LOCATIONS, REFER TO UTILITY DRAWINGS.

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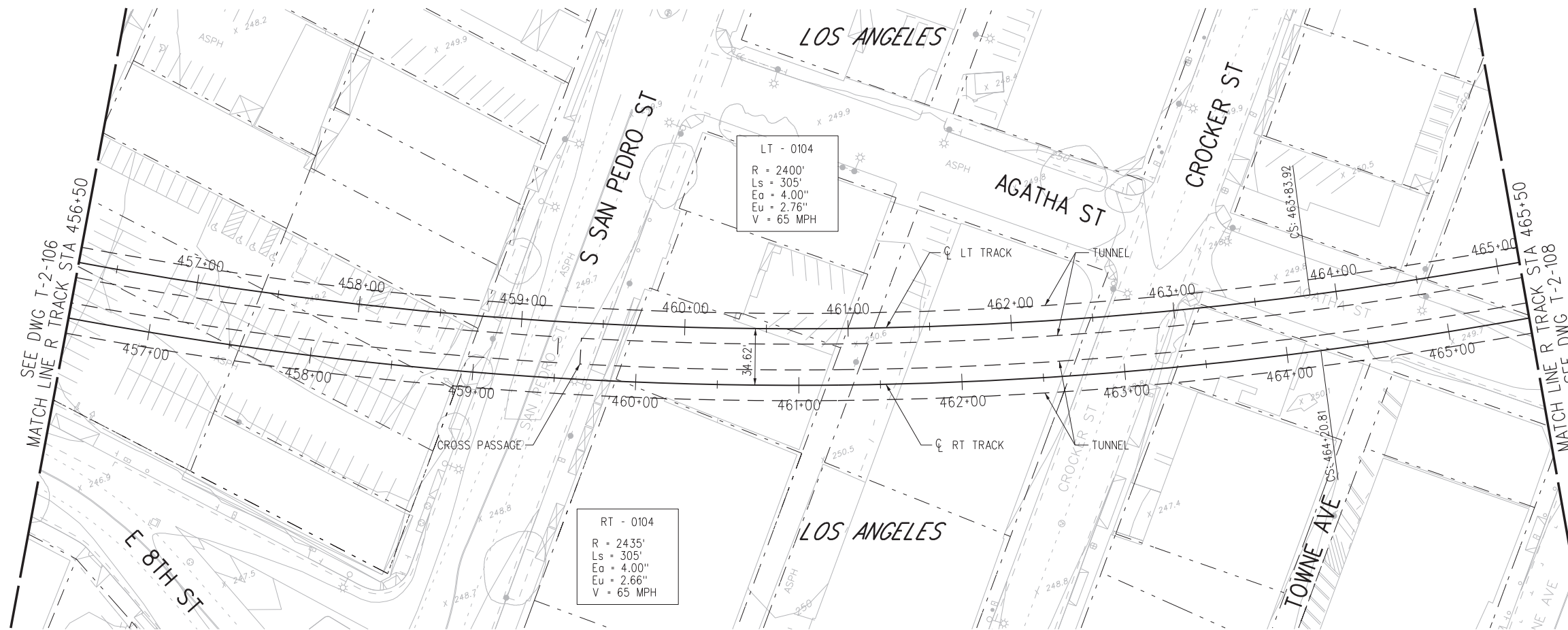
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THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB	 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470	CONTRACT NO. AE5999300	
0	10/8/2020	DRAWN BY RM		DRAWING NO. T-2-106	REV
REV	DATE	CHECKED BY RL		SCALE HORIZ: 1"=40' VERT: 1"=10'	
BY	APP	IN CHARGE NM		SHEET NO.	10 OF 154
REG NO.	EXPIRES	DATE 10/8/2020			
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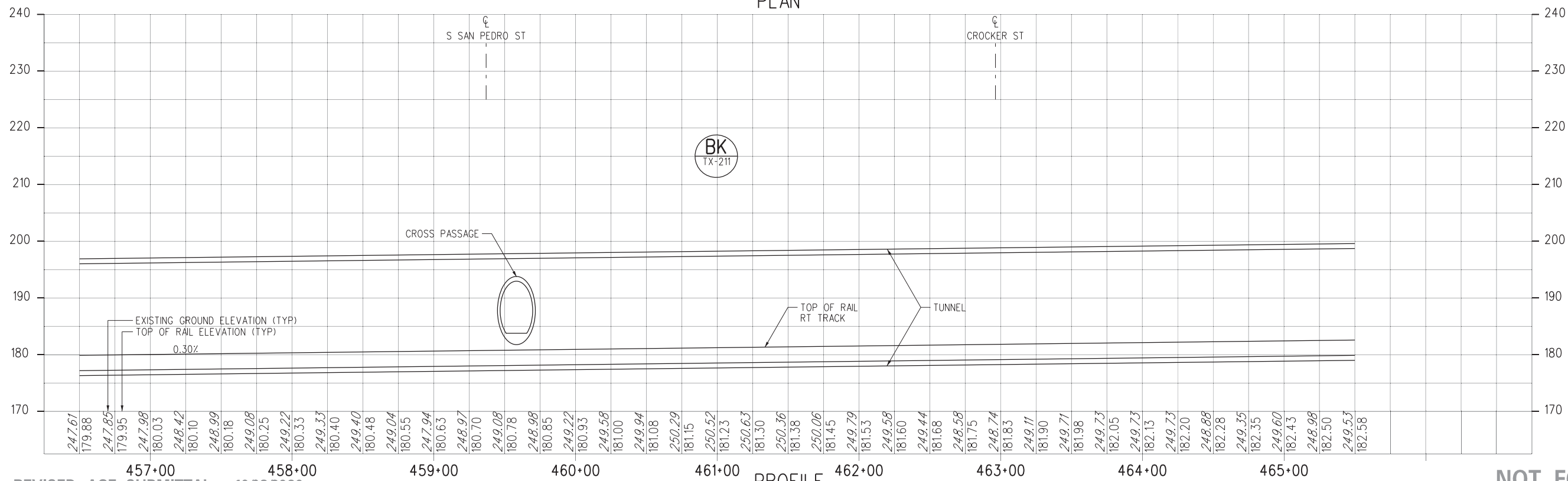
DESIGNED BY CB	LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY
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CHECKED BY RL	
IN CHARGE NM	
DATE 10/8/2020	

 Metro	SUBMITTED _____ APPROVED _____
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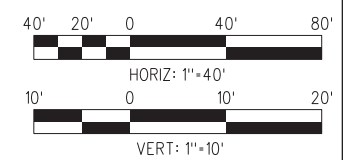
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 2 PLAN & PROFILE STA 446+50 TO STA 456+50	
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PLAN



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10-MAY-2021 B-28091ATG107.plg


FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
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DESIGNED BY CB
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CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



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Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

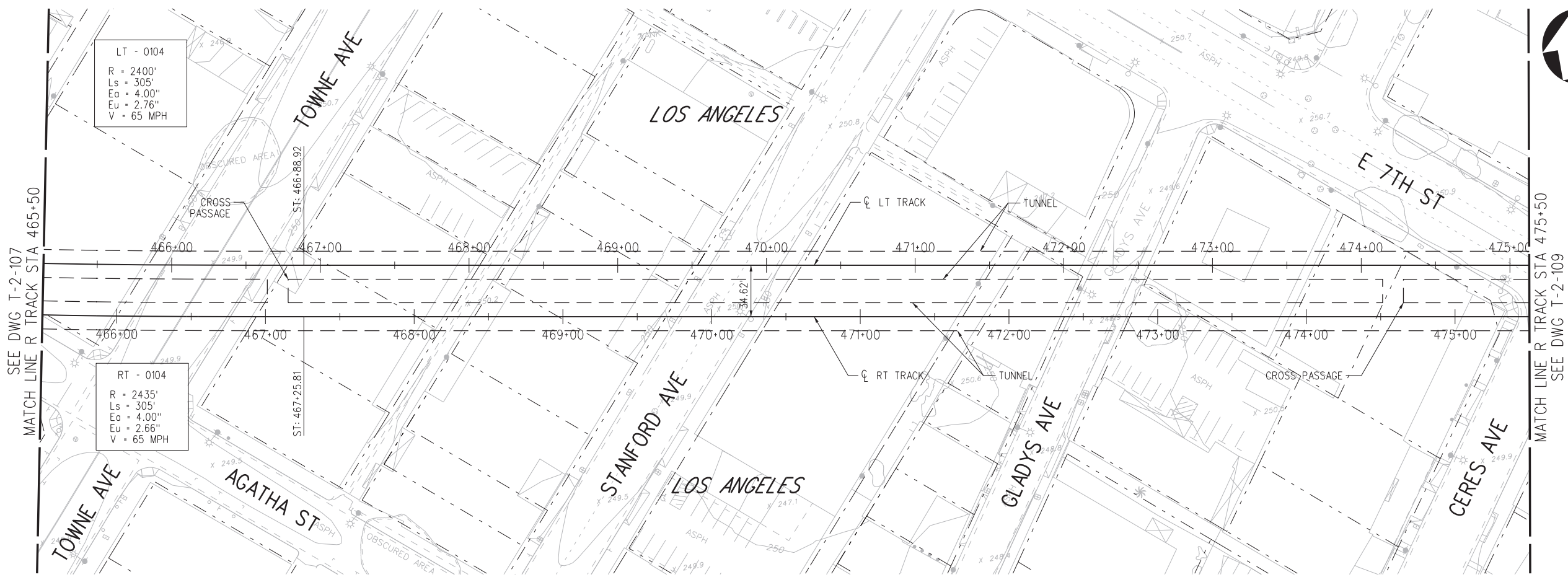
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 2 PLAN & PROFILE

STA 456+50 TO STA 465+50

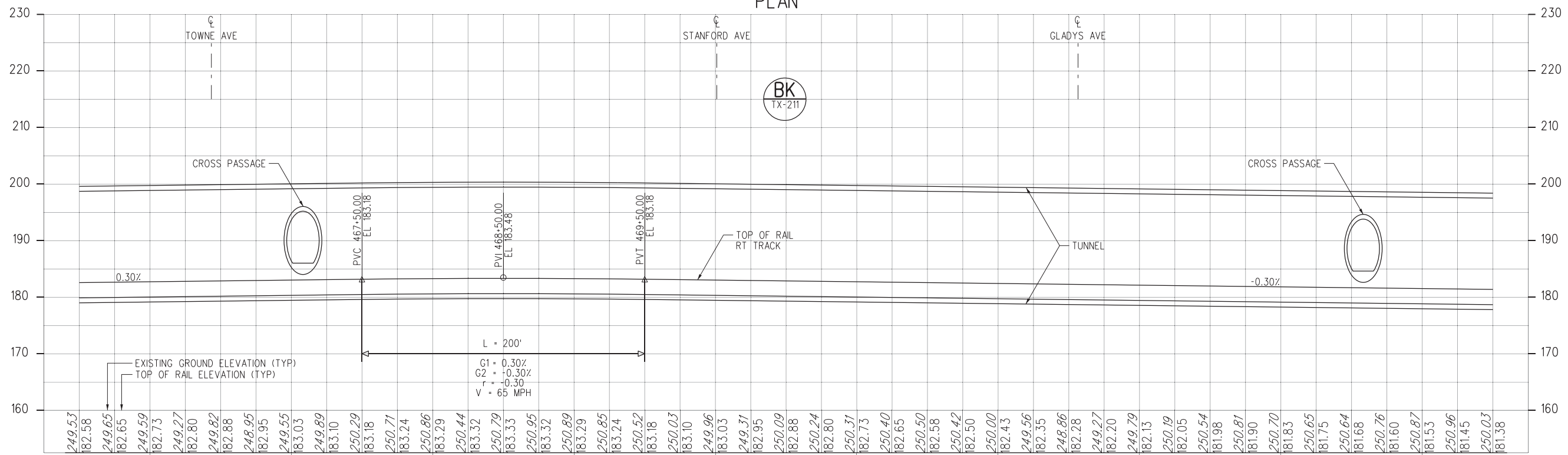
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SHEET NO 11	OF 154

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 Ls = 305'
 Ea = 4.00"
 Eu = 2.76"
 V = 65 MPH

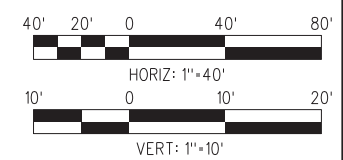
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 R = 2435'
 Ls = 305'
 Ea = 4.00"
 Eu = 2.66"
 V = 65 MPH



PLAN



PROFILE



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10-MAY-2021 B-28091ATG108.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

M Metro
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED: _____
 APPROVED: _____

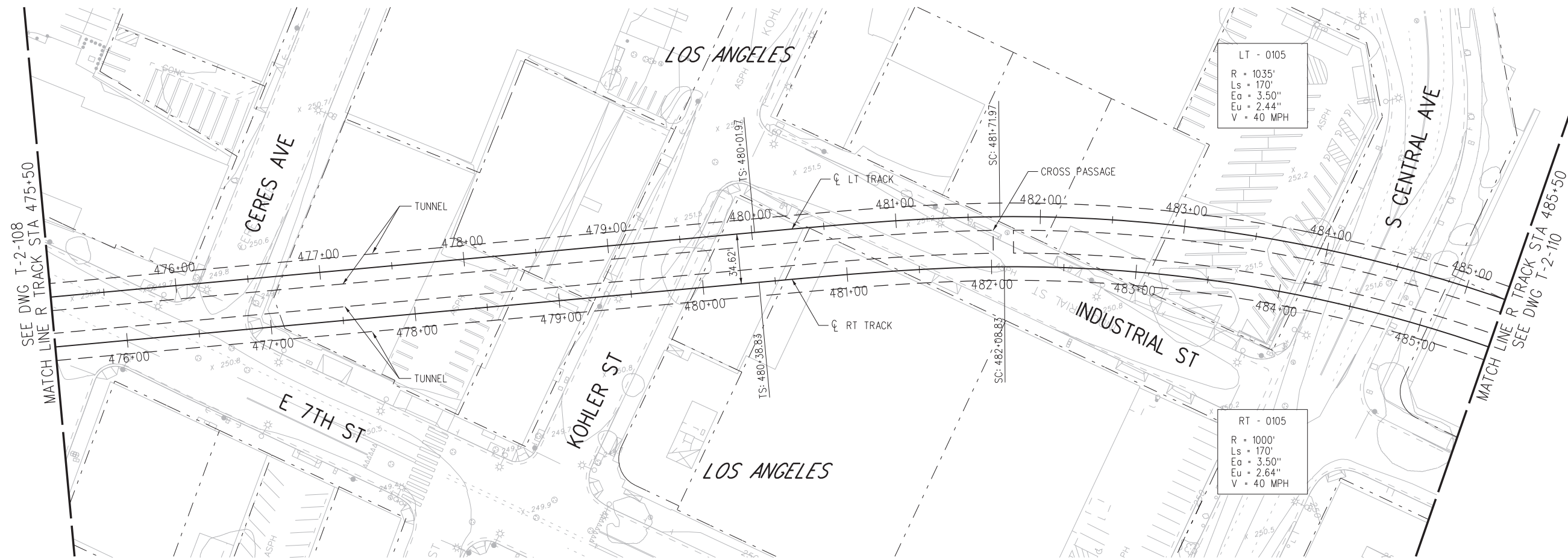
WEST SANTA ANA BRANCH LRT
 TRACK ALIGNMENT
 ALTERNATIVE 2
 PLAN & PROFILE
 STA 465+50 TO STA 475+50

CONTRACT NO.	AE5999300
DRAWING NO.	T-2-108
SCALE	HOR: 1"=40' VERT: 1"=10'
SHEET NO.	12 OF 154

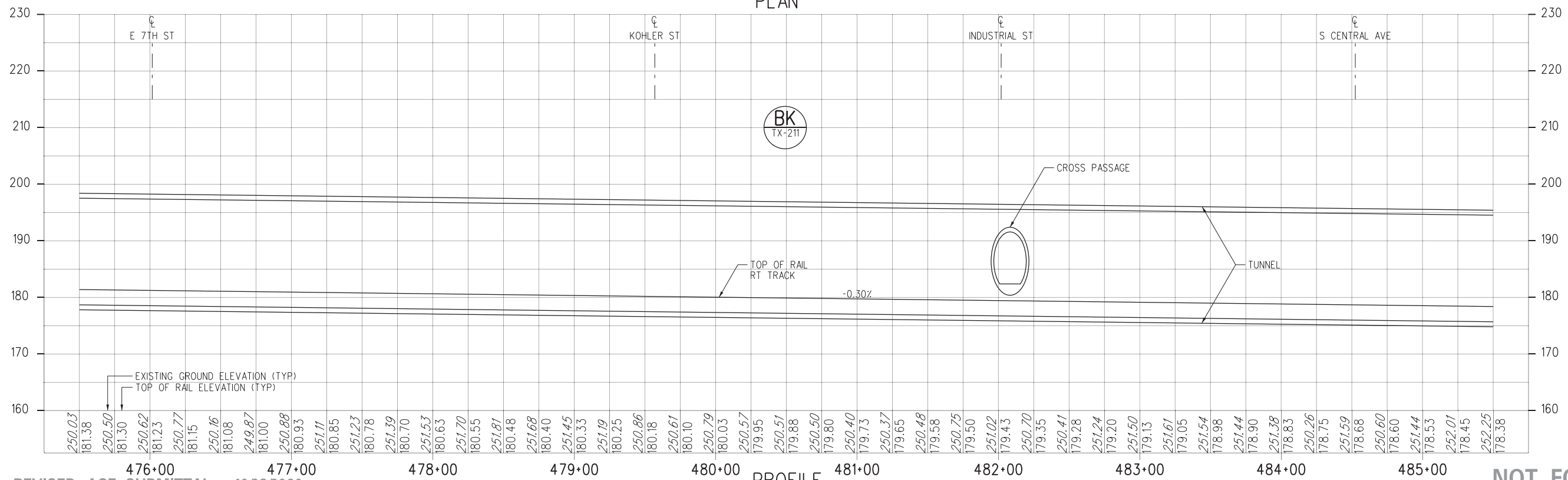


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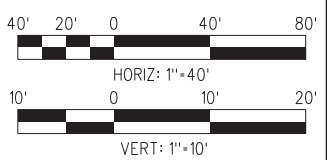
- EXISTING UTILITIES ARE SHOWN IN PROFILE ONLY TO DEPICT THE VERTICAL SEPARATION FROM THE PROPOSED WORK AND ARE APPROXIMATE. FOR FURTHER DETAILS REGARDING LOCATIONS, REFER TO UTILITY DRAWINGS.



PLAN



PROFILE



NOT FOR CONSTRUCTION

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FINAL REVISED ACE SUBMITTAL - 10/08/2020

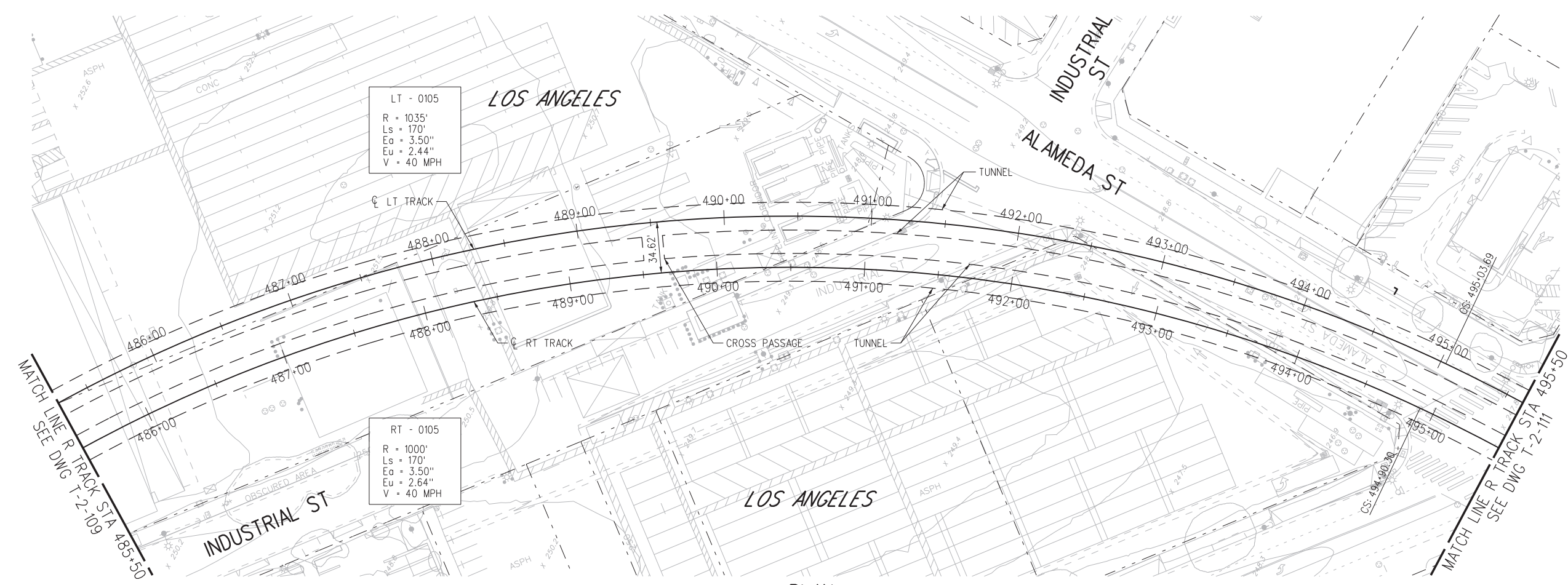
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB	 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470	CONTRACT NO. AE5999300	
0	10/8/2020	DRAWN BY RM		DRAWING NO. T-2-109	REV
REV	DATE	CHECKED BY RL		SCALE HOR: 1"=40' VERT: 1"=10'	
	BY	IN CHARGE NM		SHEET NO.	13 OF 154
	APP	DATE 10/8/2020			
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	SEAL HOLDER				
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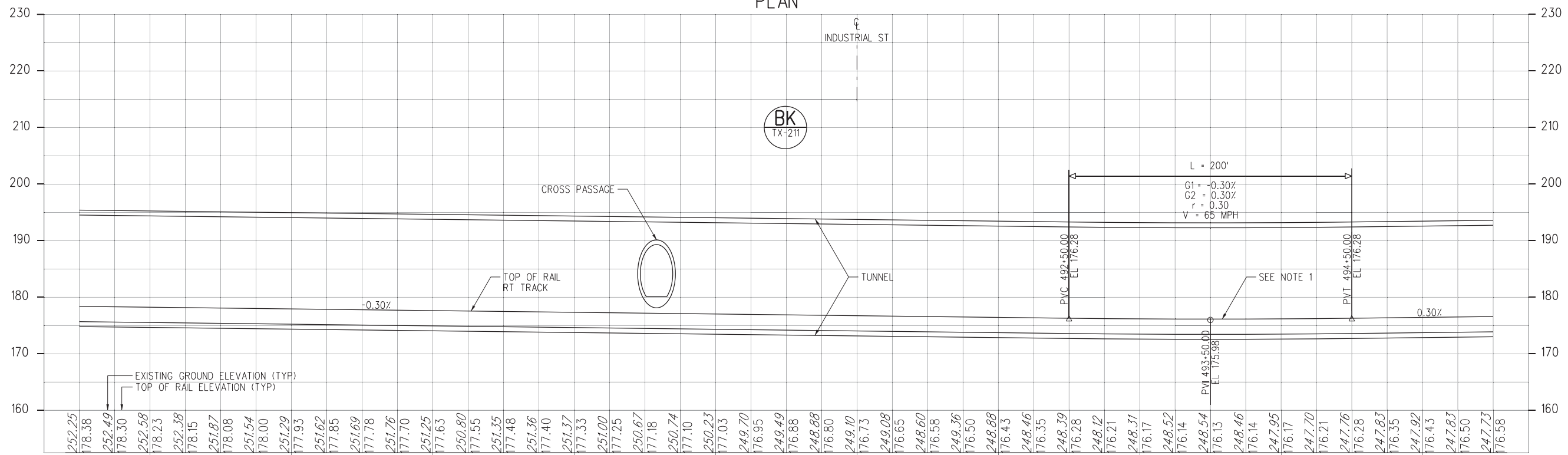


NOTES:

1. SUMP LINE TO STORM DRAIN REQUIRED. LINE TO COINCIDE WITH ARTS/INDUSTRIAL DISTRICT STATION EXCAVATION.
2. FUTURE DESIGN PHASE TO CONSIDER MAKING PROVISION FOR POST-WSAB TRANSIT LINE CONNECTION FROM EITHER DOWNTOWN OR ALAMEDA ST, PER METRO OPERATIONS RECOMMENDATION.



PLAN



PROFILE

NOT FOR CONSTRUCTION

10-MAY-2021 B-28091ATG110.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

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Los Angeles, CA 90071
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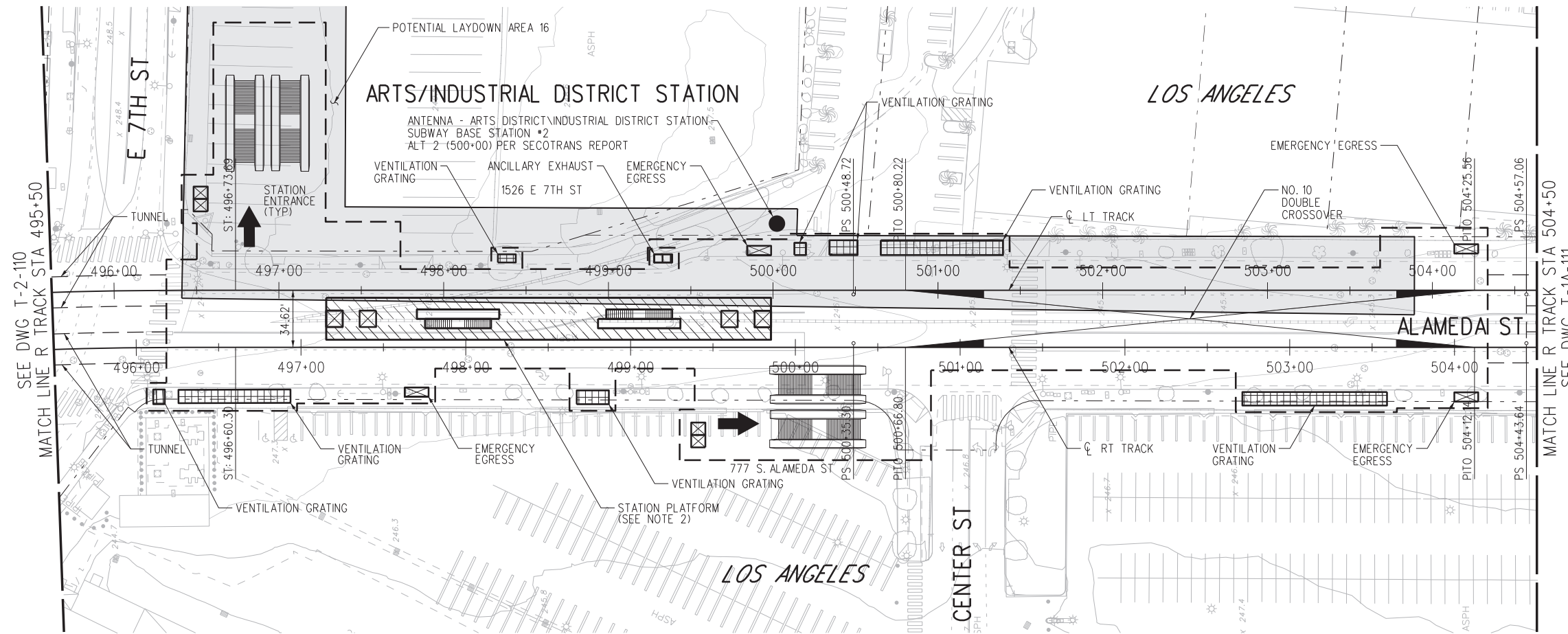
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 2 PLAN & PROFILE STA 485+50 TO STA 495+50

CONTRACT NO. AE5999300
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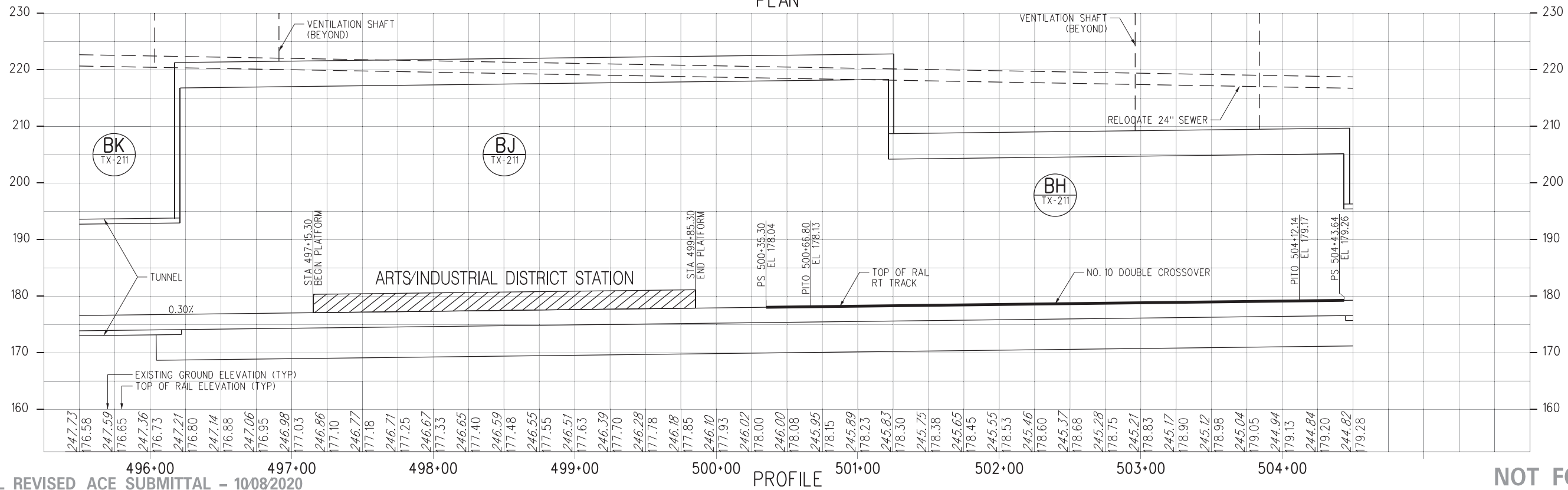


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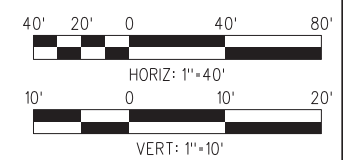
- 1. EXISTING UTILITIES ARE SHOWN IN PROFILE ONLY TO DEPICT THE VERTICAL SEPARATION FROM THE PROPOSED WORK AND ARE APPROXIMATE. FOR FURTHER DETAILS REGARDING LOCATIONS, REFER TO UTILITY DRAWINGS.
- 2. FOR STATION LAYOUT, SEE STATION SITE PLANS, SHEET A3-001.
- 3. FUTURE DESIGN PHASE TO CONSIDER MAKING PROVISION FOR POST-WSAB TRANSIT LINE CONNECTION FROM EITHER DOWNTOWN OR ALAMEDA ST, PER METRO OPERATIONS RECOMMENDATION.



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091ATG111.plg
wsppw04-pw-svc 21:45
Plot Driver=MTA-half.pen

FINAL REVISED ACE SUBMITTAL - 10/08/2020

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

 444 South Flower Street
 Suite 800
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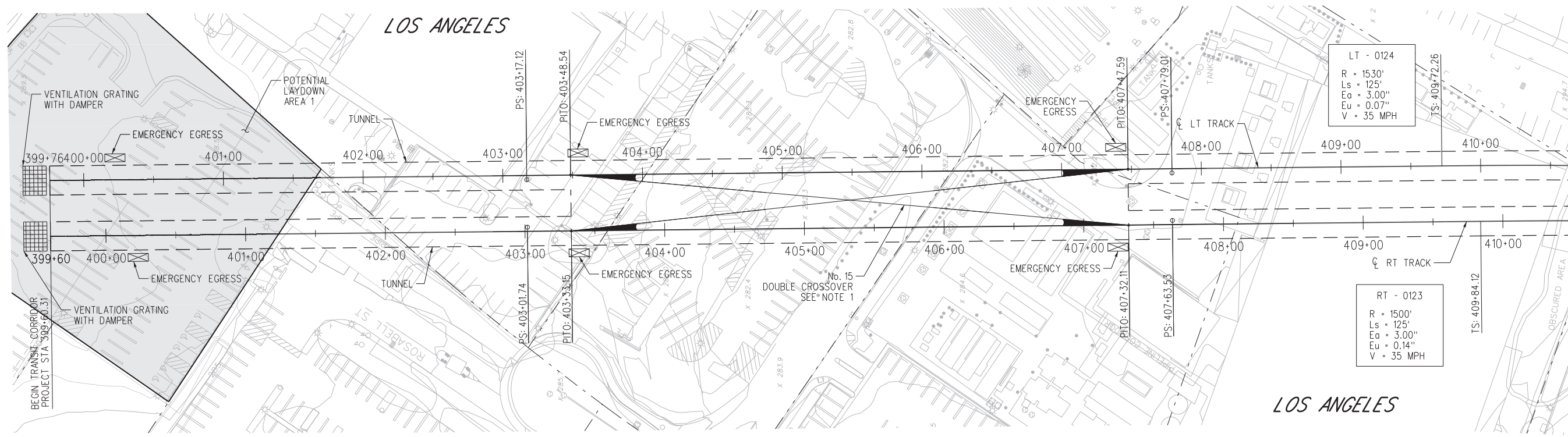
SUBMITTED: _____
 APPROVED: _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 2 PLAN & PROFILE
 STA 495+50 TO STA 504+50

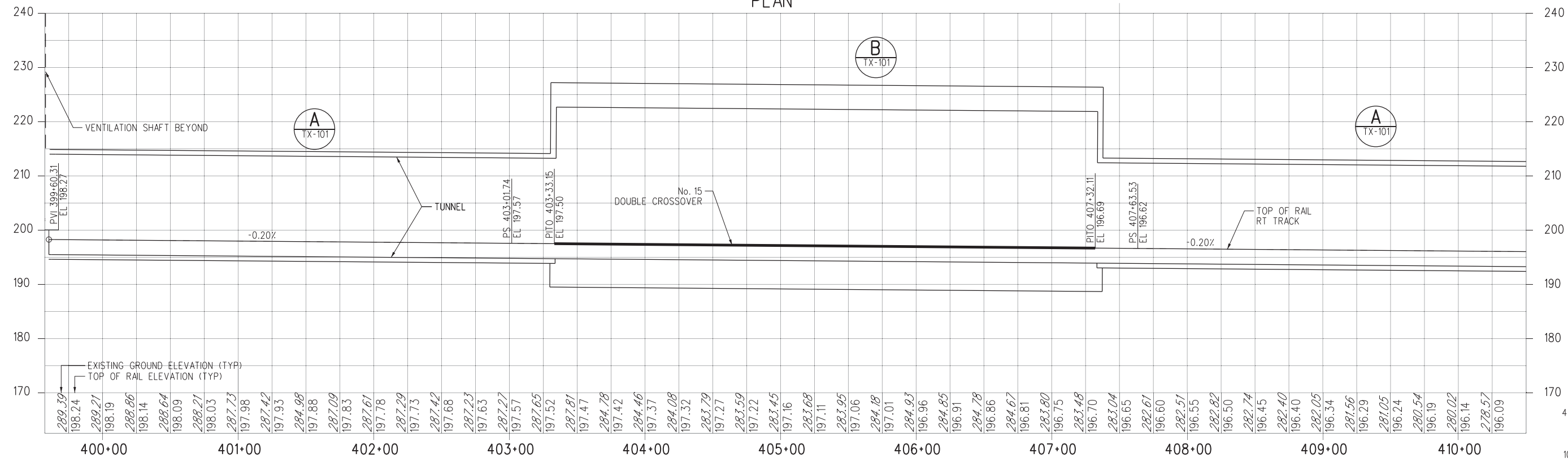
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 DRAWING NO. **T-2-111**
 SCALE: **HOR: 1"=40'**
VERT: 1"=10'
 SHEET NO. **15** OF **154**



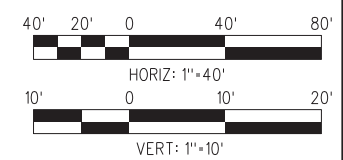
NOTES:
 1. METRO DESIGN DEVIATION MAY BE REQUIRED. SECTION 10 STATES CROSSOVER SHOULD BE WITHIN 500' FROM TERMINAL PLATFORM.



PLAN



PROFILE



10-MAY-2021 B-28091AT-E2-101.plg
 wspw04-pw-svc 20:46

FINAL REVISED ACE SUBMITTAL - 10/8/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
FINAL REVISED ACE SUBMITTAL						
DESCRIPTION						

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro
Los Angeles County Metropolitan Transportation Authority

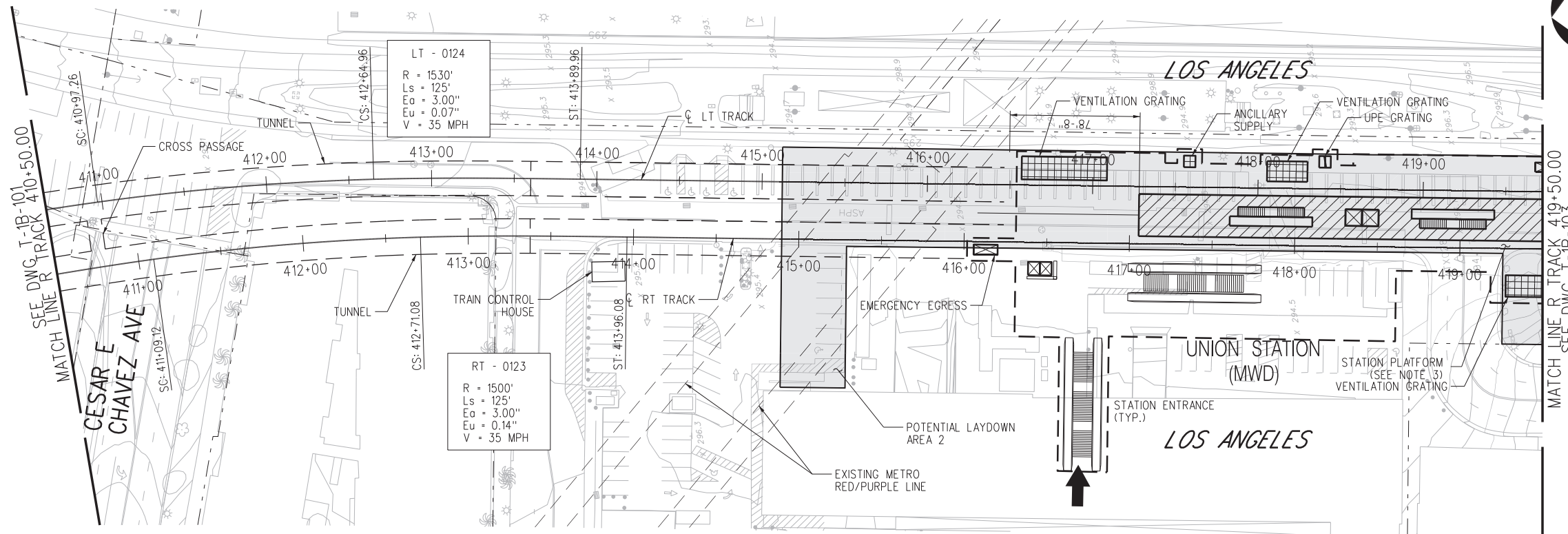
wsp
 444 South Flower Street
 Suite 800
 Los Angeles, CA 90071
 TEL (213) 362-9470

SUBMITTED _____
 APPROVED _____

NOT FOR CONSTRUCTION

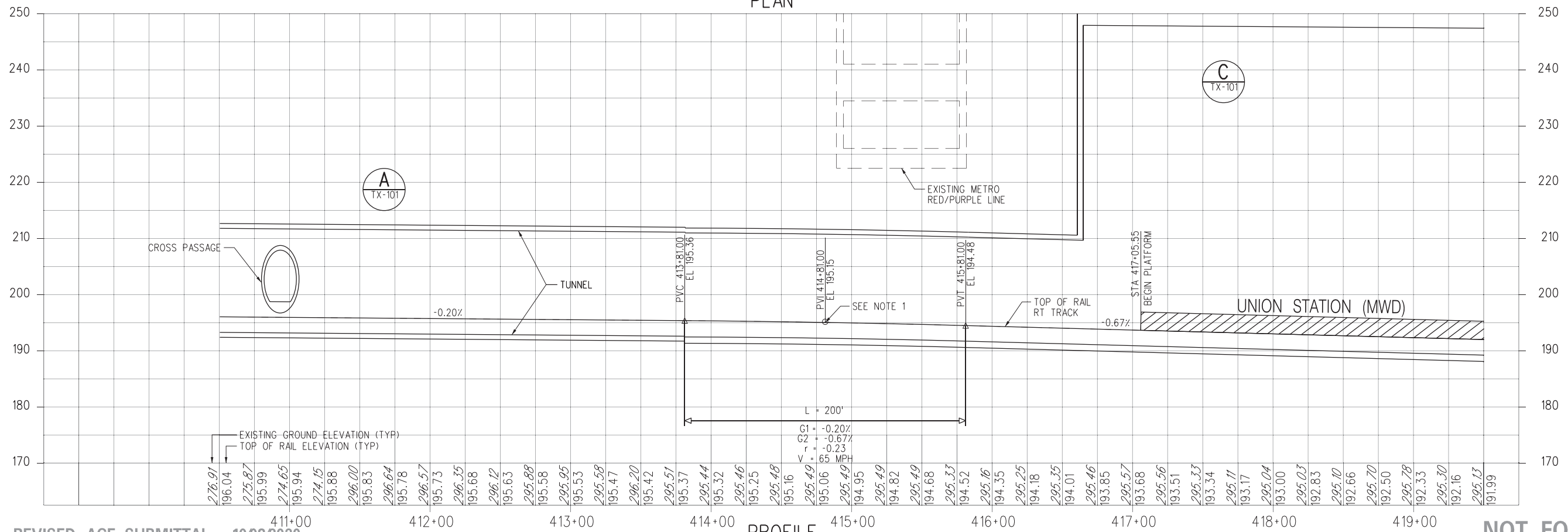
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1B PLAN & PROFILE STA 399+65 TO STA 410+50

CONTRACT NO. AE5999300
 DRAWING NO. T-1B-101
 SCALE: HOR: 1"=40' VERT: 1"=10'
 SHEET NO. 16 OF 154

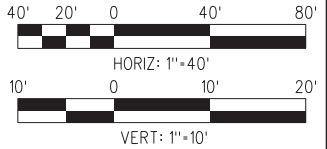


- NOTES:**
- SUMP LINE TO STORM DRAIN REQUIRED. LINE TO COINCIDE WITH EXCAVATION FROM SURFACE (OR SIMILAR).
 - FOR STATION LAYOUT, SEE STATION SITE PLANS, SHEET A4-001.

PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT-E2-102.plg
wspw04-pw-svc 20:47

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
FINAL REVISED ACE SUBMITTAL						
DESCRIPTION						

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

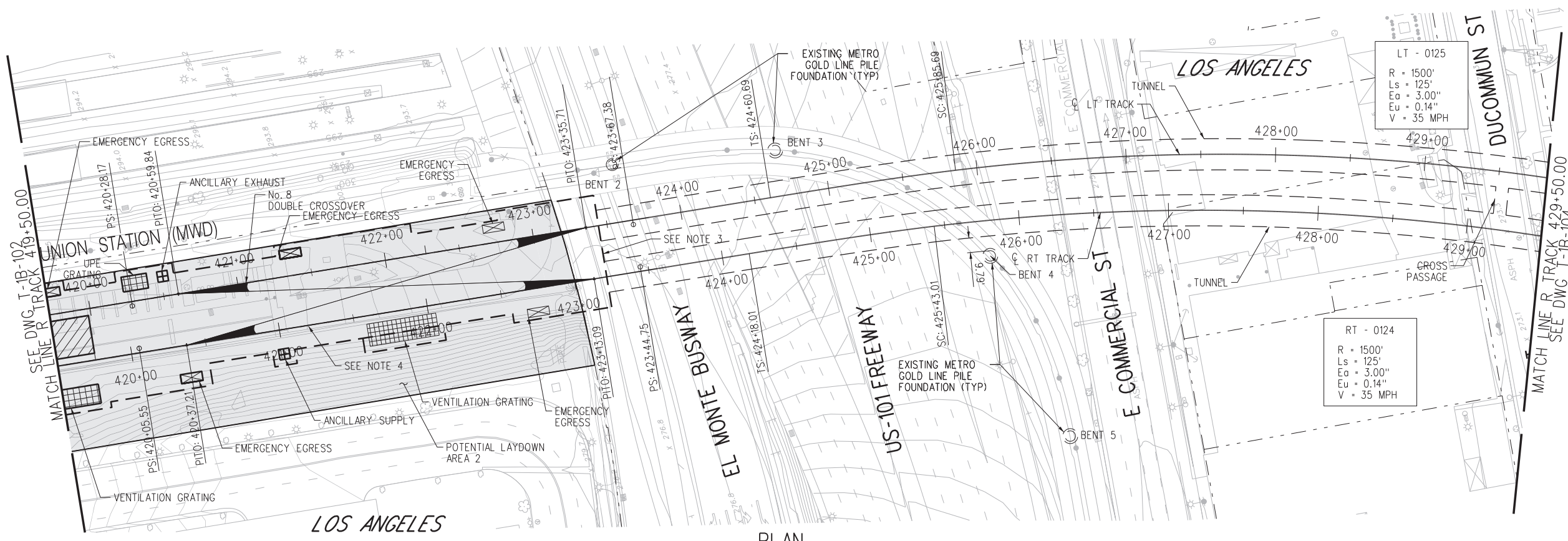
M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

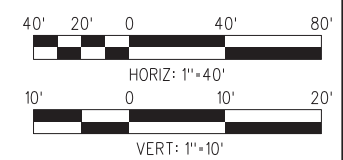
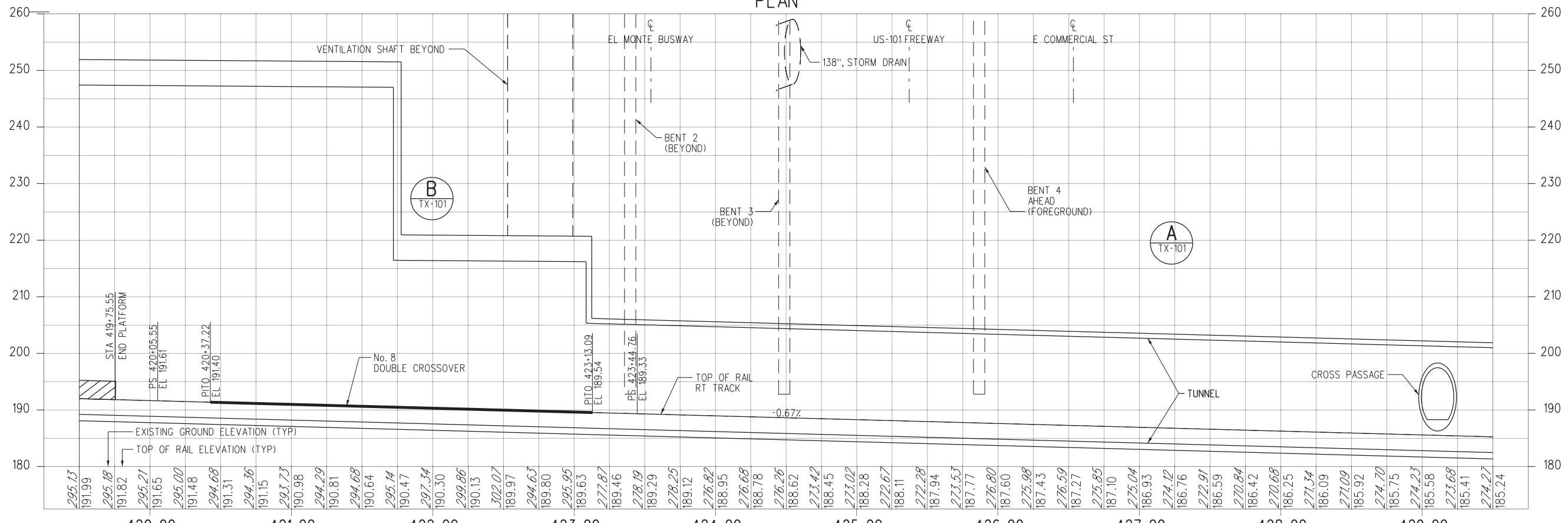
SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1B PLAN & PROFILE STA 410+50 TO STA 419+50

CONTRACT NO. **AE5999300**
 DRAWING NO. **T-1B-102** REV _____
 SCALE **HORIZ: 1"=40'**
VERT: 1"=10'
 SHEET NO. **17** OF **154**



- NOTES:**
- EXISTING UTILITIES ARE SHOWN IN PROFILE ONLY TO DEPICT THE VERTICAL SEPARATION FROM THE PROPOSED WORK AND ARE APPROXIMATE. FOR FURTHER DETAILS REGARDING LOCATIONS, REFER TO UTILITY DRAWINGS.
 - FOR STATION LAYOUT, SEE STATION SITE PLANS, SHEET A4-001.
 - LIMITED SEM REQUIRED TO ACCOMMODATE TRACK GEOMETRY
 - METRO DESIGN DEVIATION MAY BE REQUIRED SECTION 4.2.11 STATES CROSSOVER AT TERMINAL STATION BE NO. 15.



FINAL REVISED ACE SUBMITTAL - 10/8/2020

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DESIGNED BY AM	CONTRACT NO. AE5999300
DRAWN BY MF	DRAWING NO. T-1B-103
CHECKED BY RL	SCALE HOR: 1"=40' VERT: 1"=10'
IN CHARGE NM	SHEET NO. 18 OF 154
DATE 10/8/2020	

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY
AM

DRAWN BY
MF

CHECKED BY
RL

IN CHARGE
NM

DATE
10/8/2020

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SUBMITTED _____

APPROVED _____

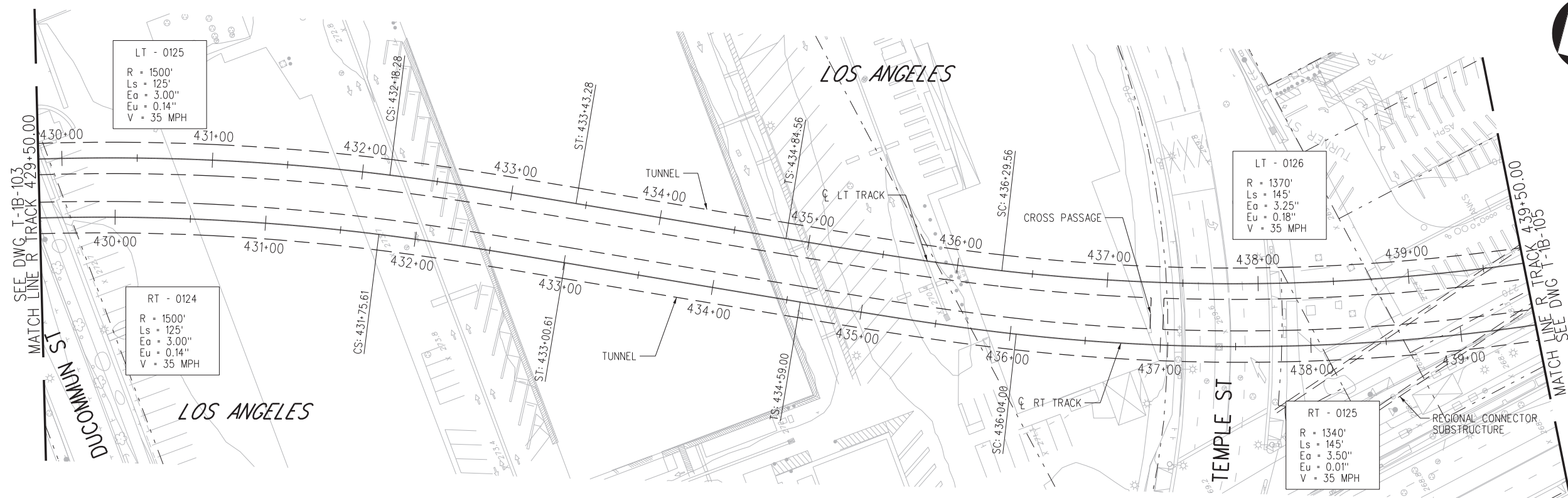
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1B PLAN & PROFILE STA 419+50 TO STA 429+50

10-MAY-2021 B-28091AT-E2-103.plg

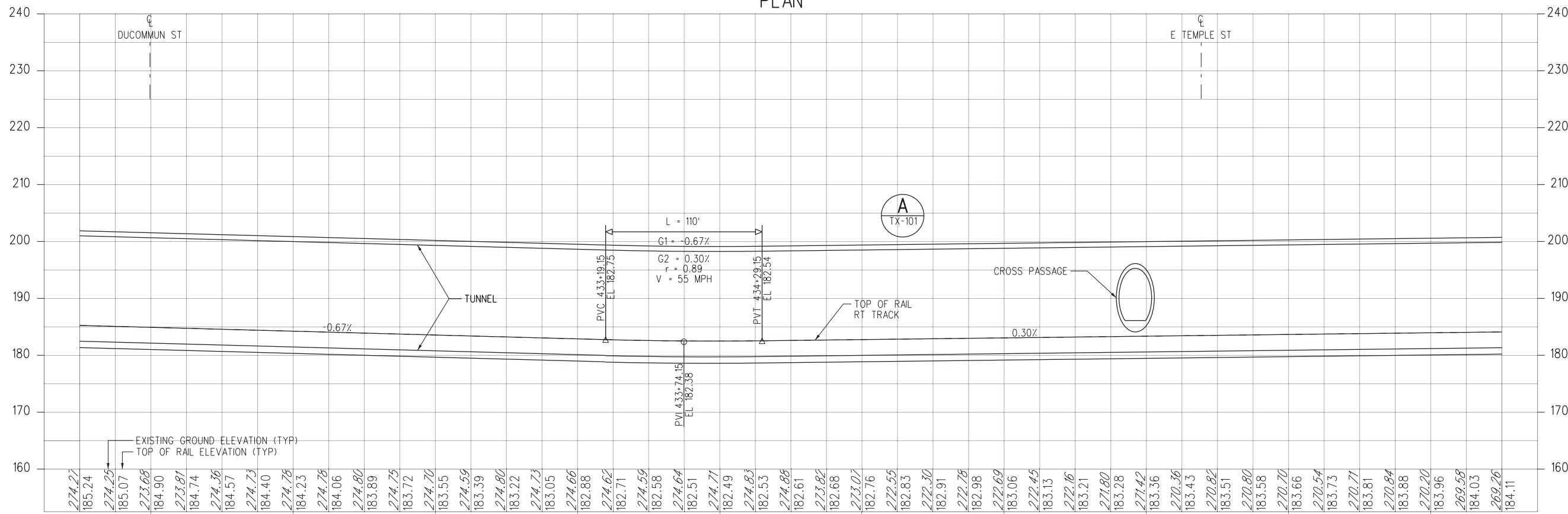
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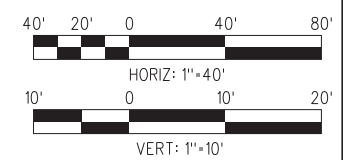
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PLAN



PROFILE




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10-MAY-2021 B-28091AT-E2-104.plg


FINAL REVISED ACE SUBMITTAL - 10/8/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
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DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



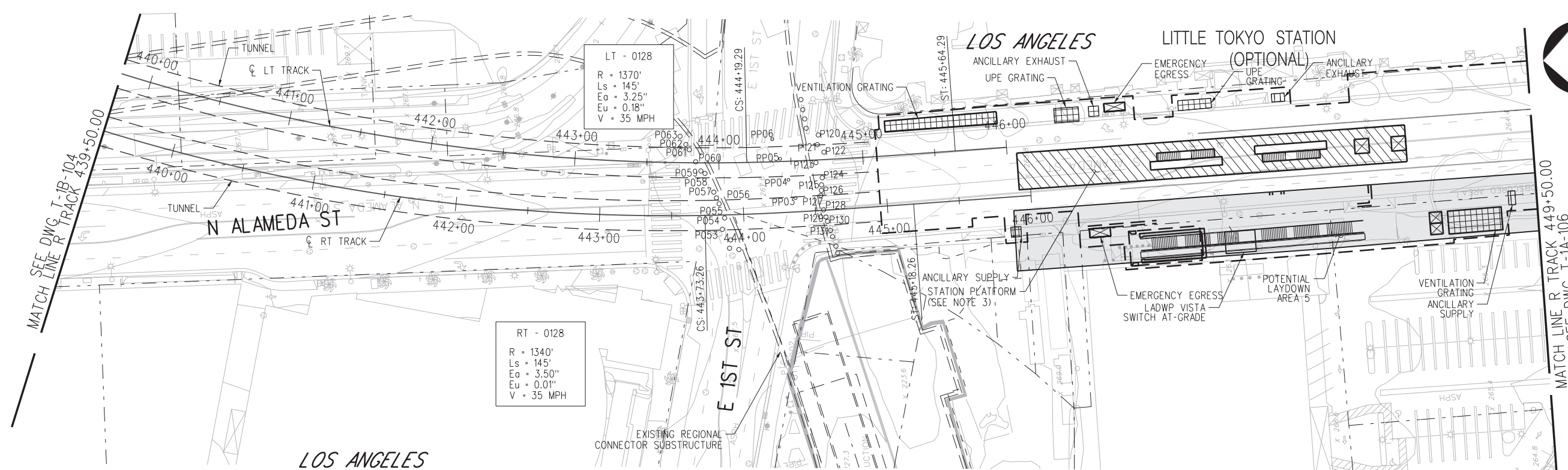
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



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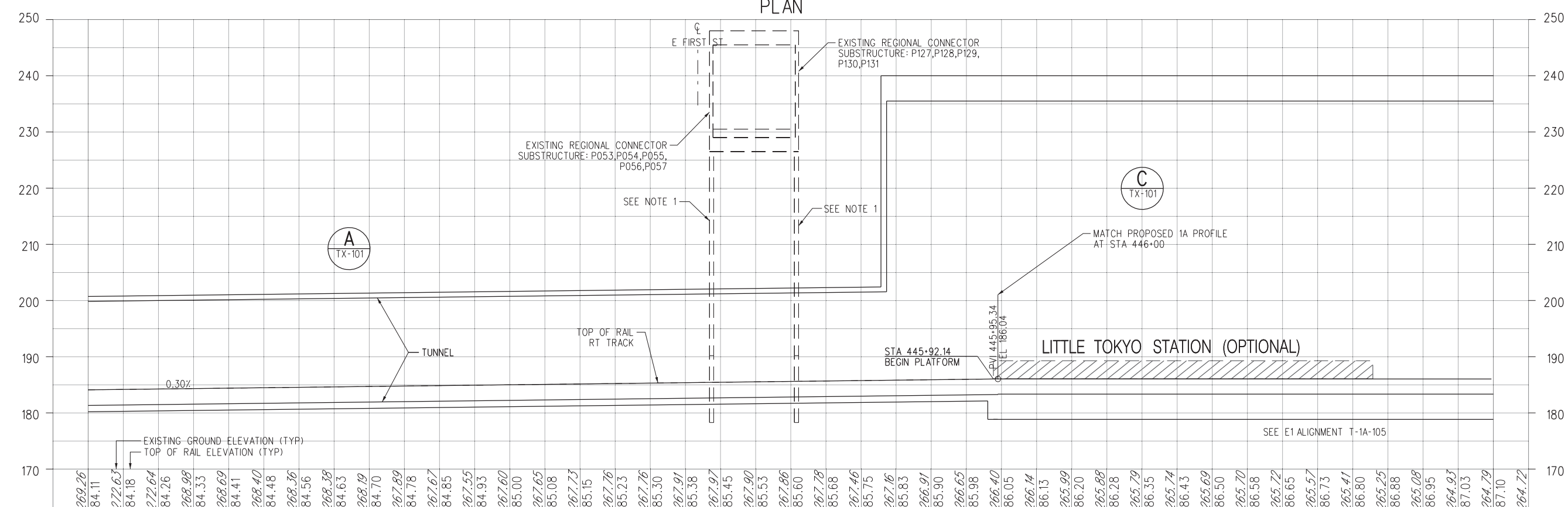
SUBMITTED	_____
APPROVED	_____

<p>WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1B PLAN & PROFILE</p> <p>STA 429+50 TO STA 439+50</p>	
CONTRACT NO. AE5999300	REV
DRAWING NO. T-1B-104	SCALE HOR: 1"=40' VERT: 1"=10'
SHEET NO. 19	OF 154

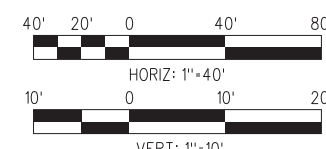


- NOTES:**
1. REGIONAL CONNECTOR SOE PILES TO BE REMOVED BEFORE TBM TUNNELING, USING SEM.
 2. EXISTING UTILITIES ARE SHOWN IN PROFILE ONLY TO DEPICT THE VERTICAL SEPARATION FROM THE PROPOSED WORK AND ARE APPROXIMATE. FOR FURTHER DETAILS REGARDING LOCATIONS, REFER TO UTILITY DRAWINGS.
 3. FOR STATION LAYOUT, SEE STATION SITE PLANS, SHEET A6-001.
 4. PXXX DESIGNATIONS ARE REGIONAL CONNECTOR PILES FROM DRAWING 14-129C.

PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT-E2-105.plg
wspw04-pw-svc 20:46

FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

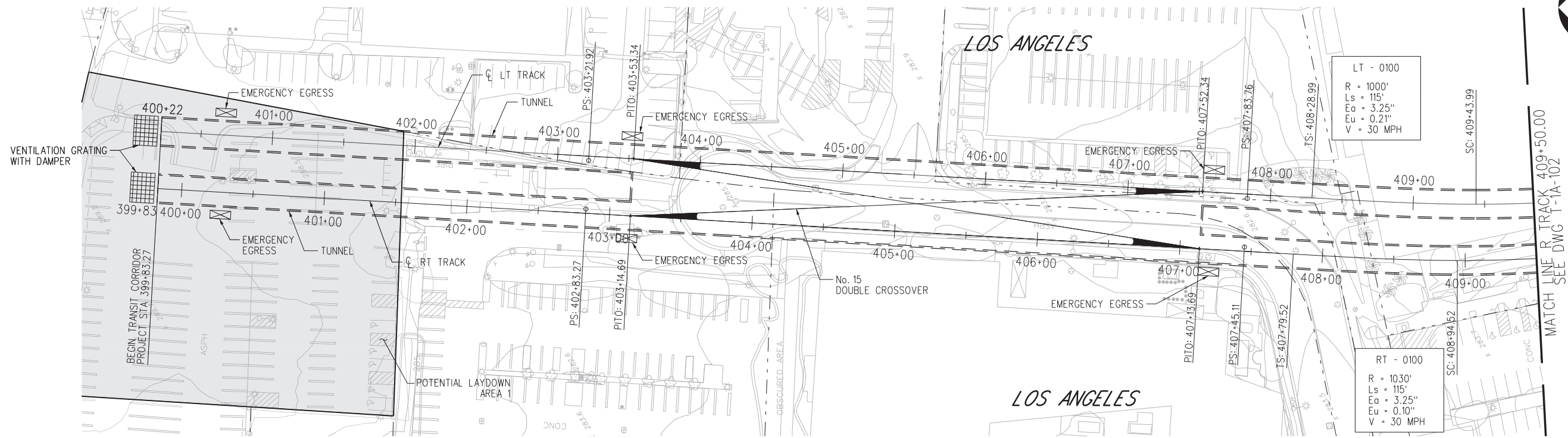
SUBMITTED _____
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1B PLAN & PROFILE STA 439+50 TO STA 446+00

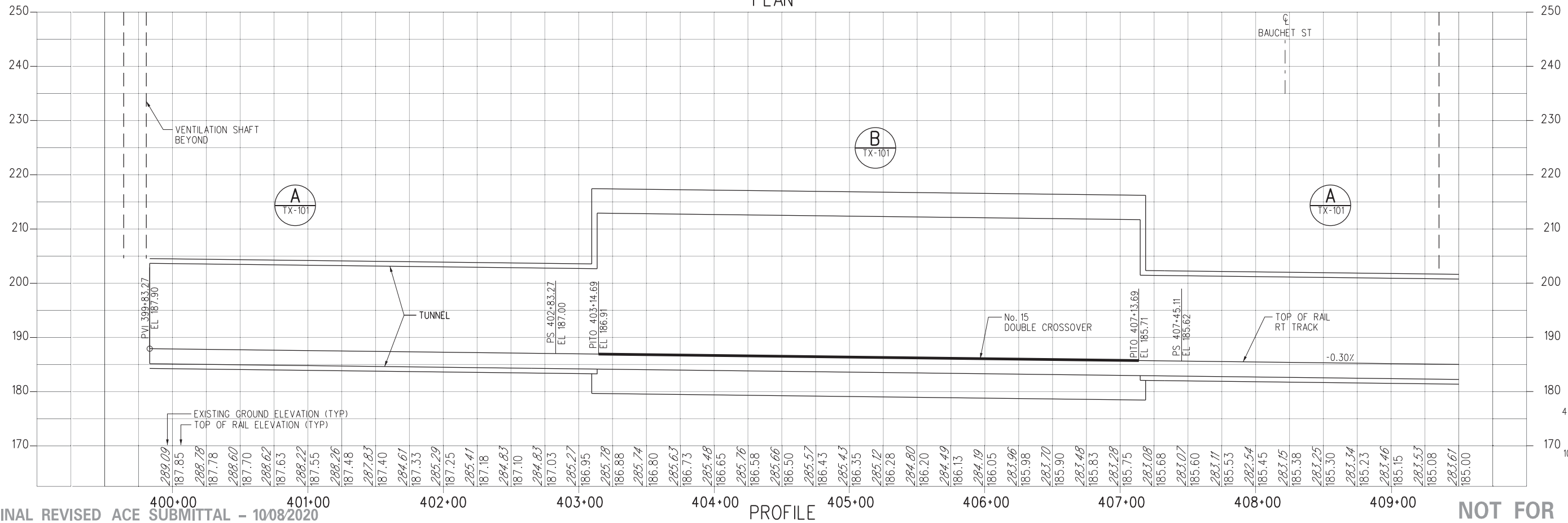
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DRAWING NO. T-1B-105
SCALE: HORIZ: 1"=40' VERT: 1"=10'
SHEET NO. 20 OF 154



NOTES:
 1. METRO DESIGN DEVIATION MAY BE REQUIRED. SECTION 10 STATES CROSSOVER SHOULD BE WITHIN 500' FROM TERMINAL PLATFORM.



PLAN



PROFILE

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10-MAY-2021 B-28091AT101.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

DESIGNED BY	AM
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CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

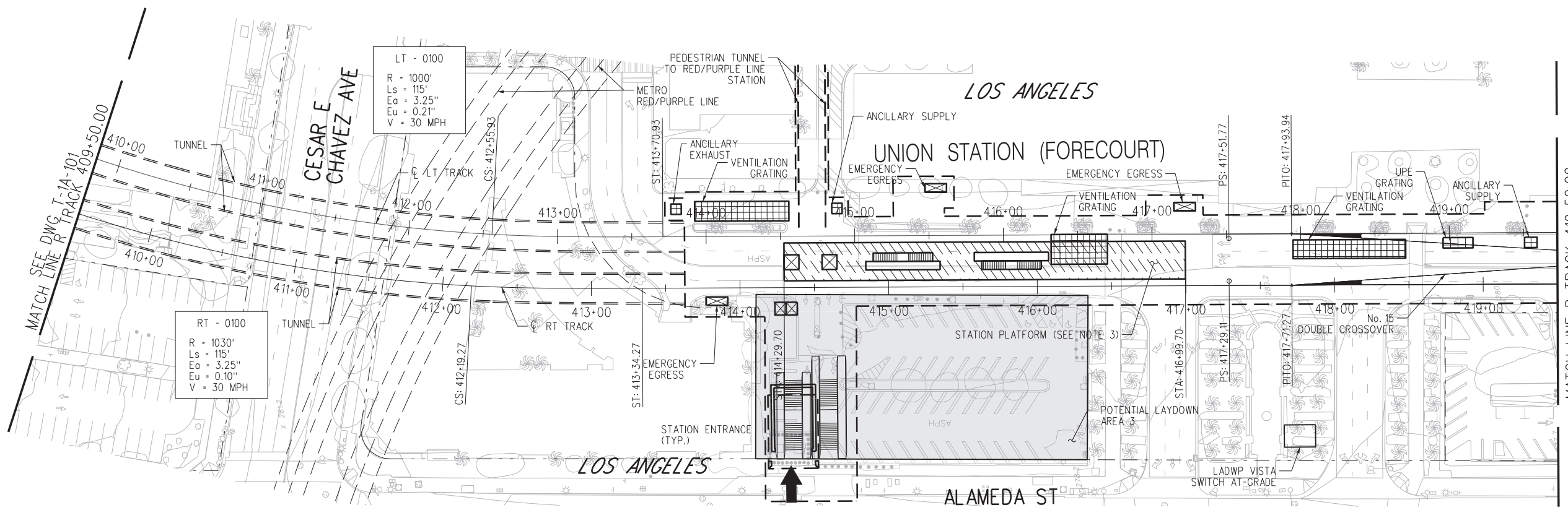


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SUBMITTED _____
 APPROVED _____

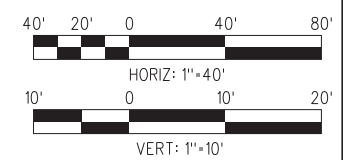
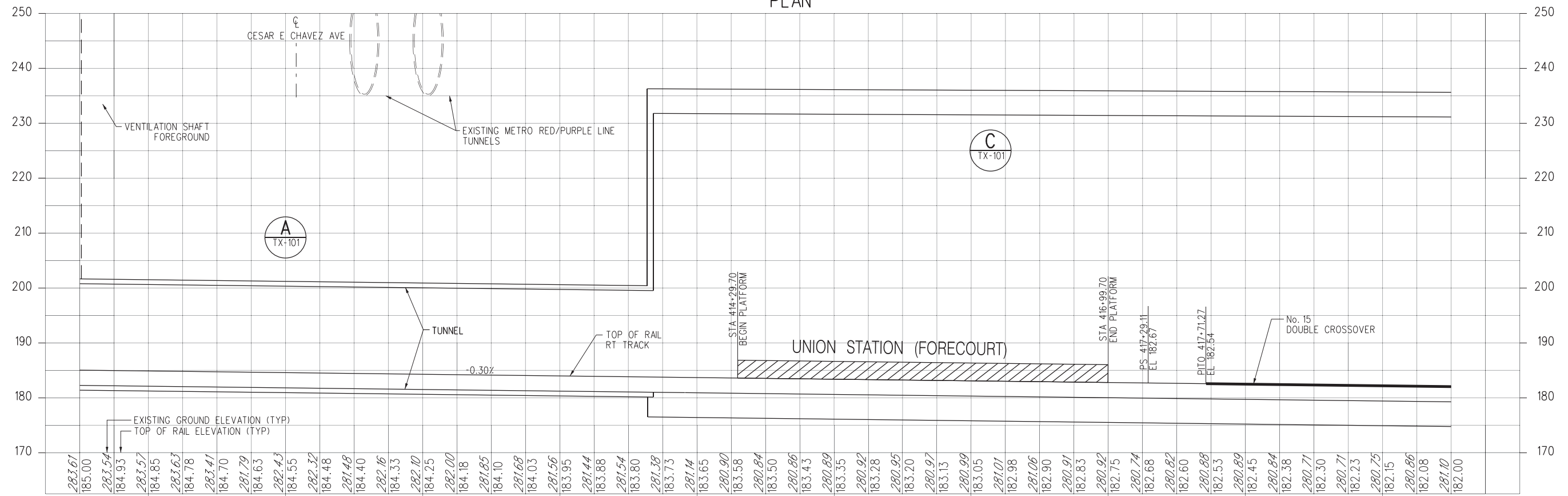
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1A PLAN & PROFILE STA 399+83 TO STA 409+50

CONTRACT NO.	AE5999300
DRAWING NO.	T-1A-101
SCALE	HOR: 1"=40' VERT: 1"=10'
SHEET NO.	21 OF 154



- NOTES:**
- EXISTING UTILITIES ARE SHOWN IN PROFILE ONLY TO DEPICT THE VERTICAL SEPARATION FROM THE PROPOSED WORK AND ARE APPROXIMATE. FOR FURTHER DETAILS REGARDING LOCATIONS, REFER TO UTILITY DRAWINGS.
 - COORDINATION NEEDED WITH METRO FORECOURT PROJECT.
 - FOR STATION LAYOUT, SEE STATION SITE PLANS, SHEET A5-001.
 - METRO DESIGN DEVIATION MAY BE REQUIRED. SECTION 4 STATES MINIMUM LENGTH OF TANGENT BETWEEN ANY POINT OF SWITCH AND A STATION PLATFORM SHALL BE 50'.

PLAN



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0	10/8/2020	DRAWN BY MF		DRAWING NO. T-1A-102
REV	DATE	CHECKED BY RL		SCALE HORIZ: 1"=40' VERT: 1"=10'
BY	APP	IN CHARGE NM		SHEET NO. 22 OF 154
REG NO.	EXPIRES	DATE 10/8/2020		
SEAL HOLDER	DESCRIPTION			

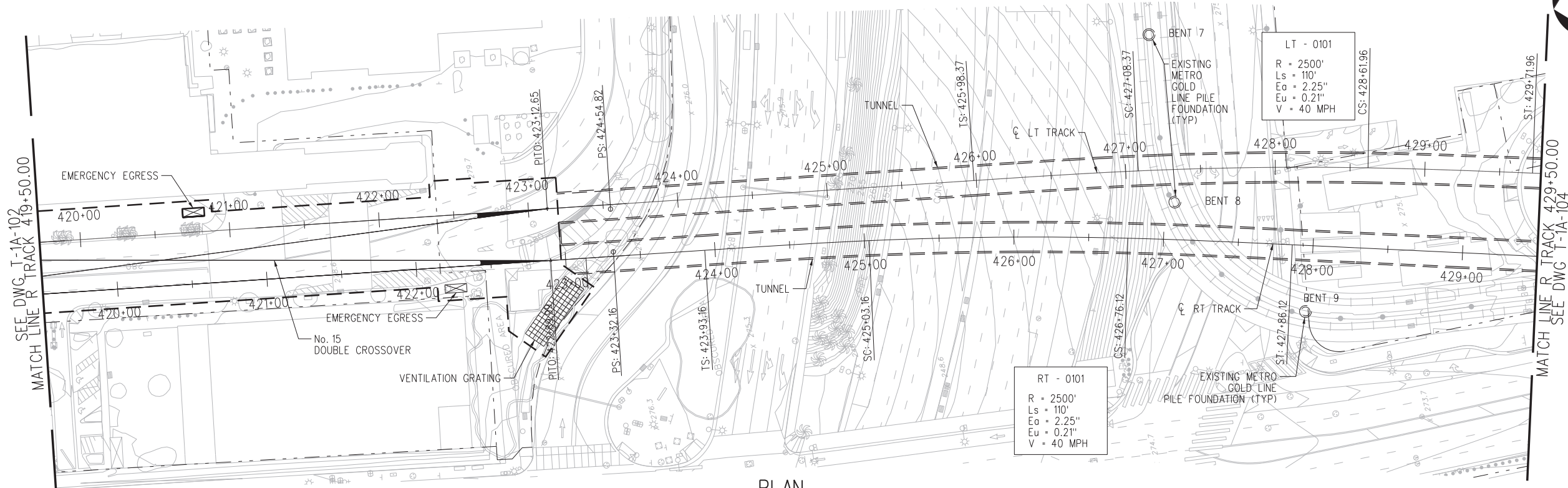
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DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

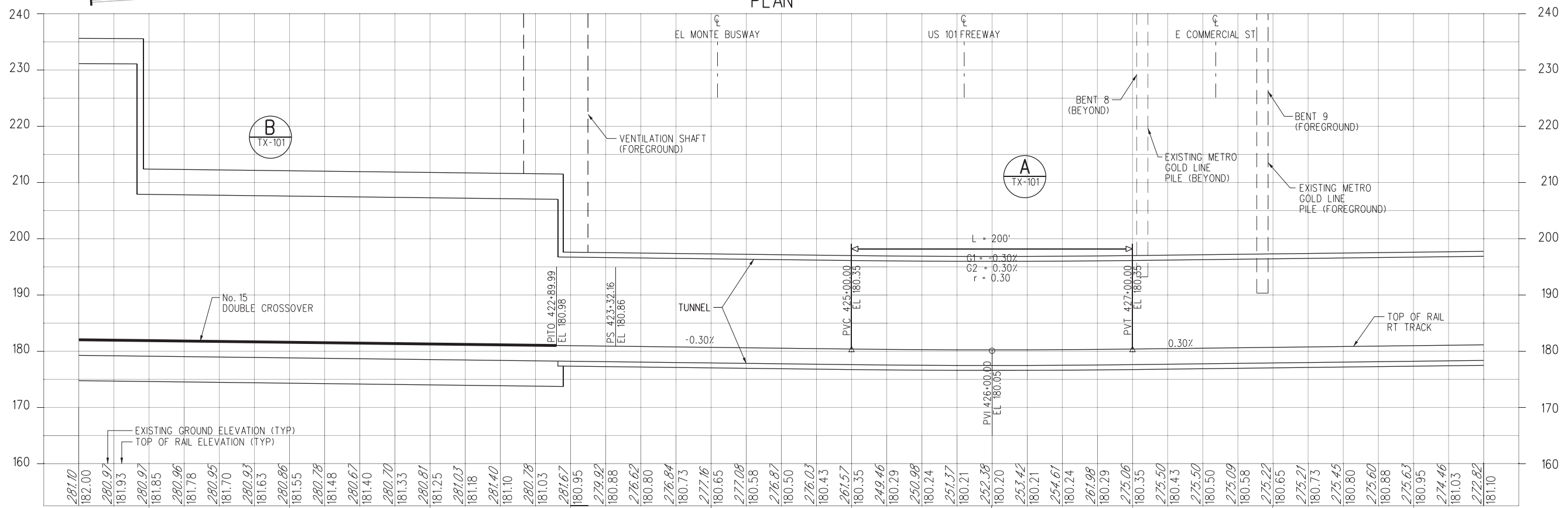
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WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1A PLAN & PROFILE
 STA 409+50 TO STA 419+50

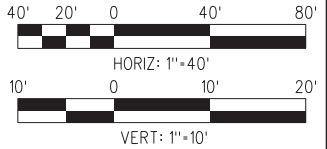
12-MAY-2021 B-28091AT102.plg



PLAN



PROFILE



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DESIGNED BY AM	DRAWN BY MF	CHECKED BY RL	IN CHARGE NM	DATE 10/8/2020			
0	10/8/2020						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
							FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM	DRAWN BY MF	CHECKED BY RL	IN CHARGE NM	DATE 10/8/2020
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M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp

SUBMITTED _____

APPROVED _____

WEST SANTA ANA BRANCH LRT
TRACK ALIGNMENT
ALTERNATIVE 1A
PLAN & PROFILE
STA 419+50 TO STA 429+50

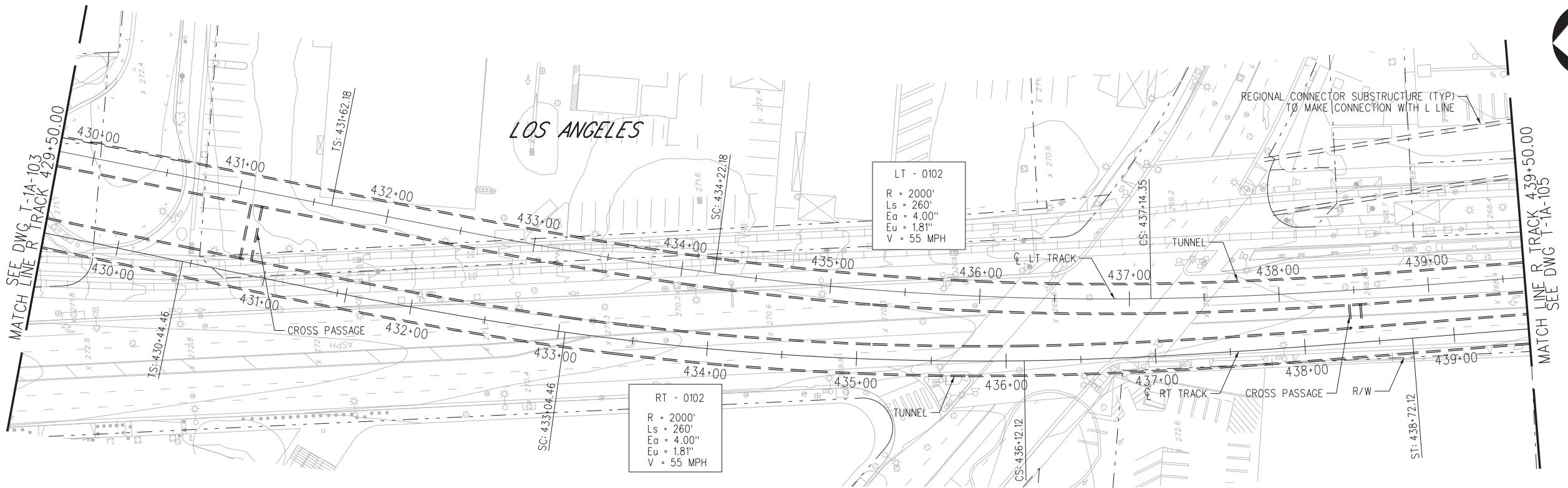
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DRAWING NO.
T-1A-103

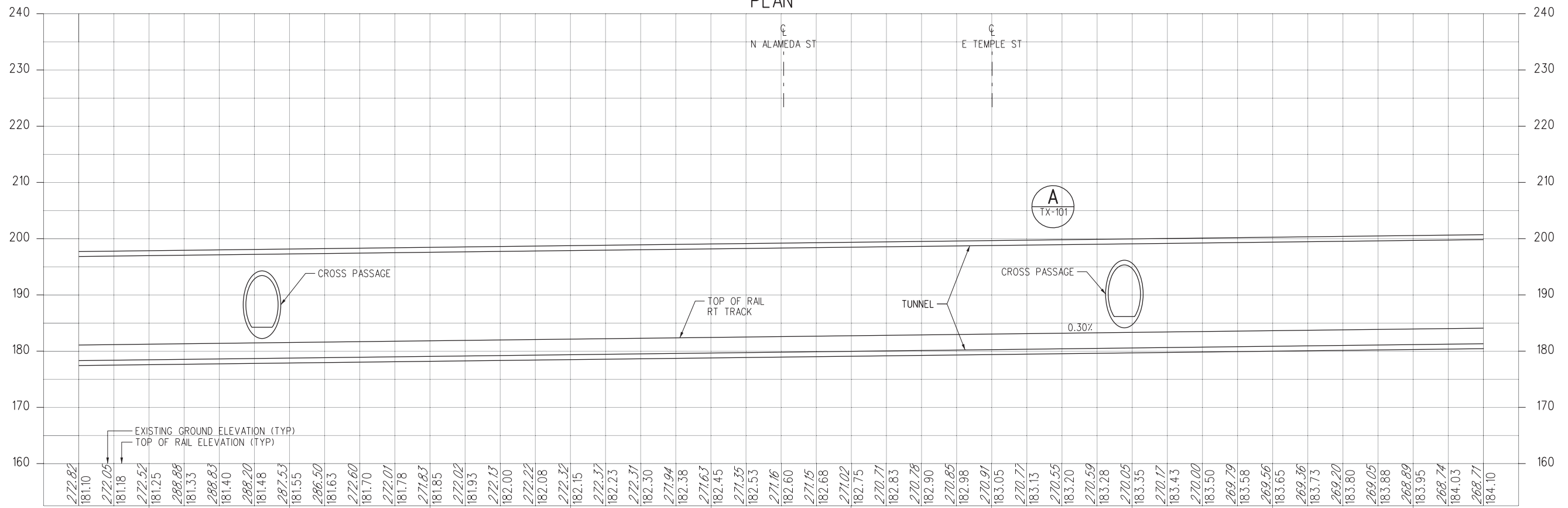
SCALE
HOR: 1"=40'
VERT: 1"=10'

SHEET NO.
23 OF 154

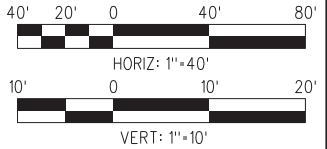
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PLAN



PROFILE



FINAL REVISED ACE SUBMITTAL - 10/8/2020

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0	10/8/2020					FINAL REVISED ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro

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LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED _____

APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1A PLAN & PROFILE STA 429+50 TO STA 439+50

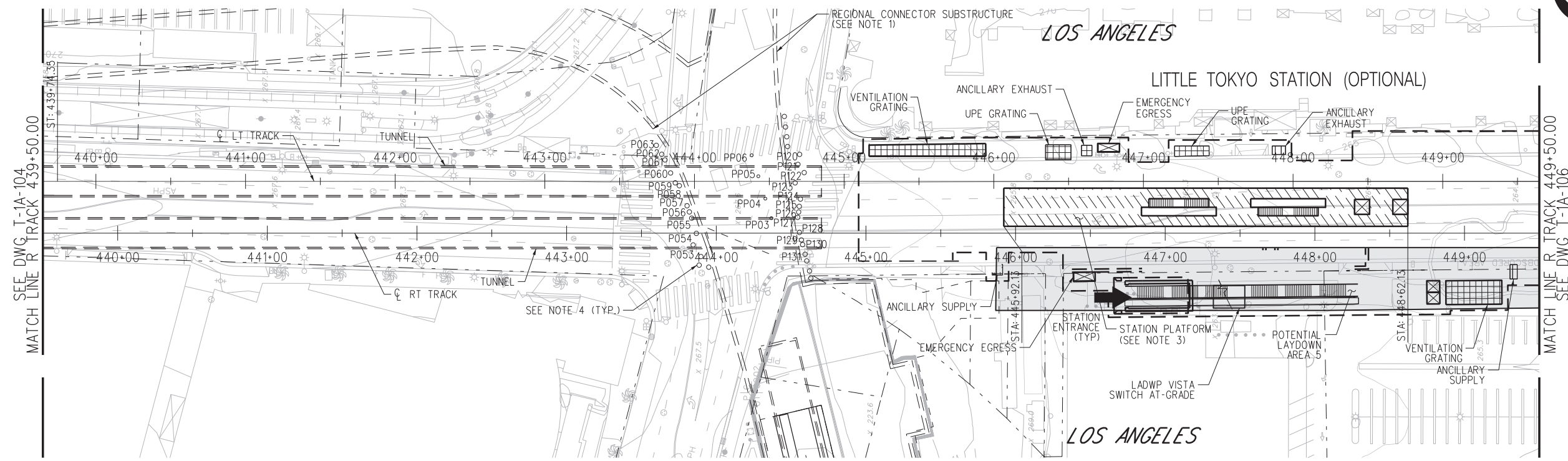
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DRAWING NO. T-1A-104

SCALE: HORIZ: 1"=40' VERT: 1"=10'

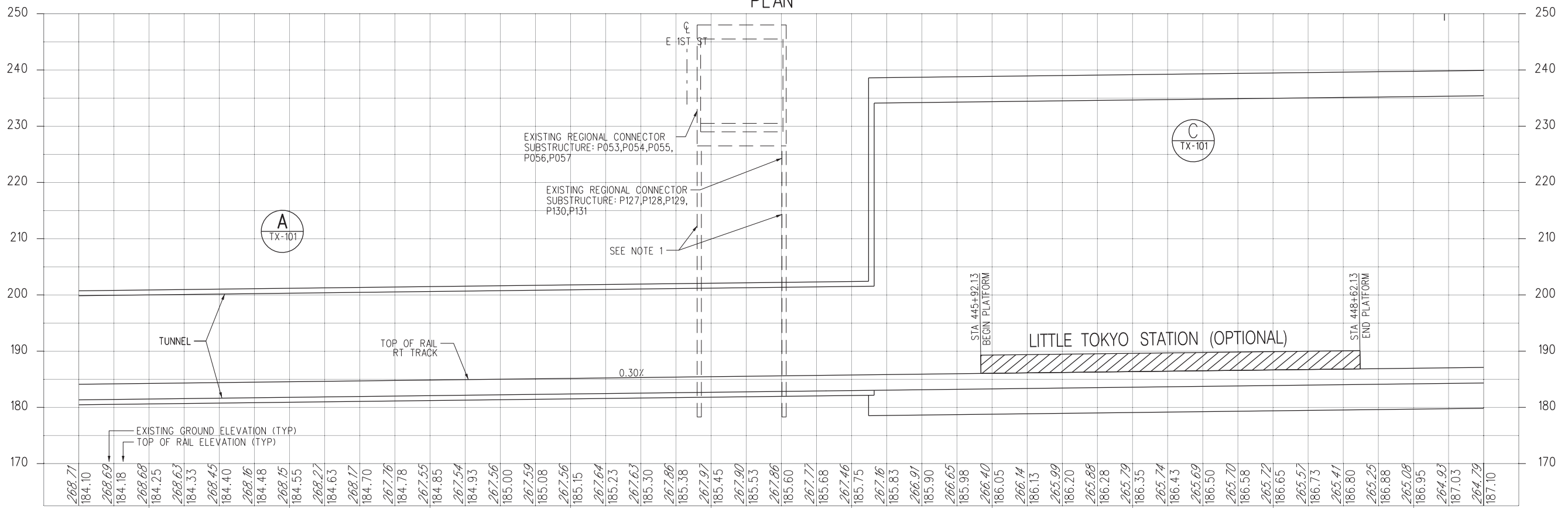
SHEET NO. 24 OF 154

10-MAY-2021 B-28091AT104.plg



- NOTES:**
1. REGIONAL CONNECTOR SOE PILES TO BE REMOVED BEFORE TBM TUNNELING USING SEM.
 2. EXISTING UTILITIES ARE SHOWN IN PROFILE ONLY TO DEPICT THE VERTICAL SEPARATION FROM THE PROPOSED WORK AND ARE APPROXIMATE. FOR FURTHER DETAILS REGARDING LOCATIONS, REFER TO UTILITY DRAWINGS.
 3. FOR STATION LAYOUT, SEE STATION SITE PLANS, SHEET A6-001.
 4. PXXX DESIGNATIONS ARE REGIONAL CONNECTOR PILES FROM DRAWING 14-129C.

PLAN



PROFILE


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10-MAY-2021 B-28091A1105.plg


FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



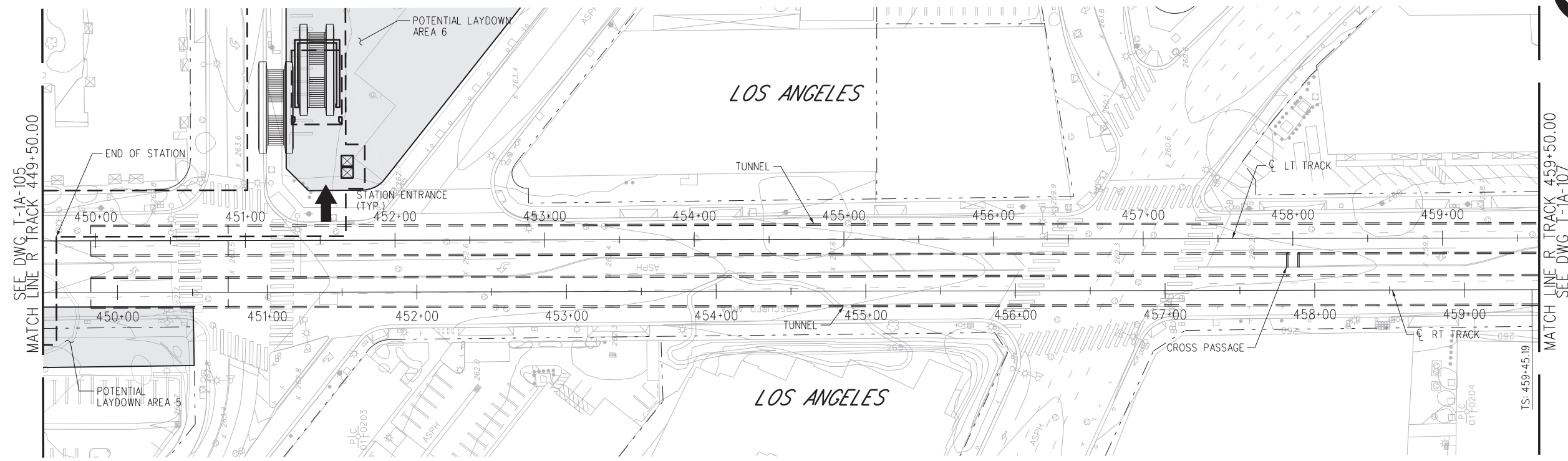
444 South Flower Street
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Los Angeles, CA 90071
TEL (213) 362-9470

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1A PLAN & PROFILE STA 439+50 TO STA 449+50

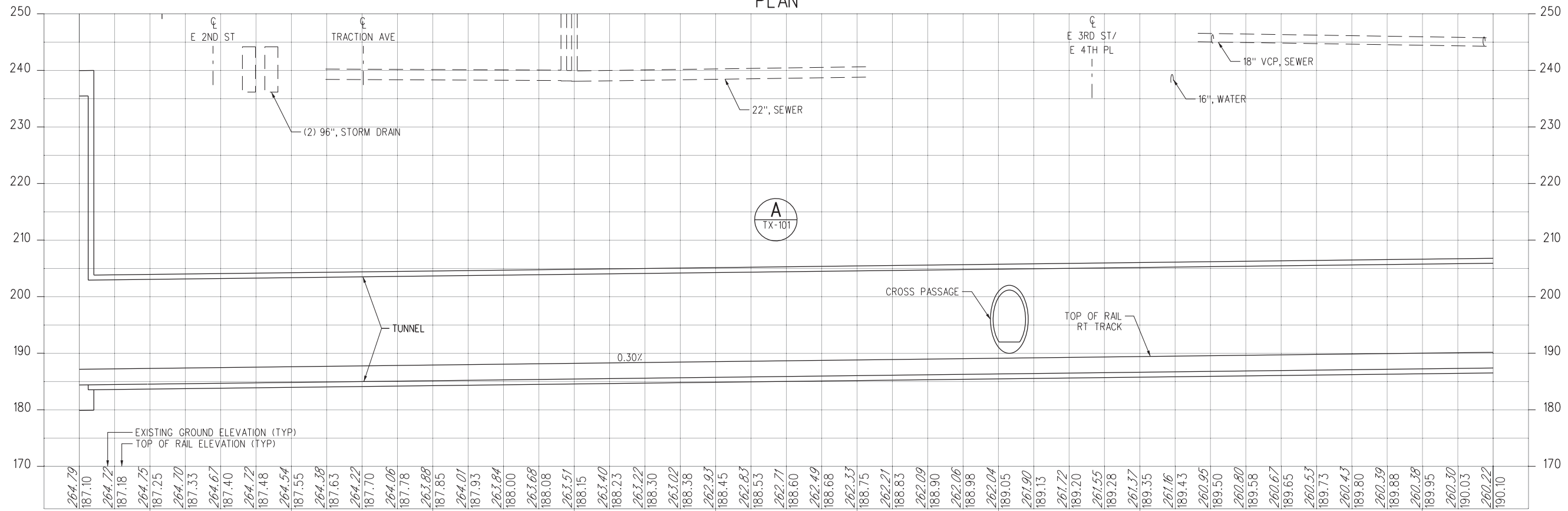
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SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO 25	OF 154



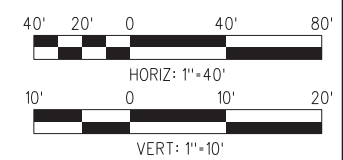
NOTES:
 1. EXISTING UTILITIES ARE SHOWN IN PROFILE ONLY TO DEPICT THE VERTICAL SEPARATION FROM THE PROPOSED WORK AND ARE APPROXIMATE. FOR FURTHER DETAILS REGARDING LOCATIONS, REFER TO UTILITY DRAWINGS.



PLAN



PROFILE



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DESIGNED BY	AM	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	DATE
DRAWN BY	MF				FINAL REVISED ACE SUBMITTAL	10/8/2020
CHECKED BY	RL					
IN CHARGE	NM					
DATE	10/8/2020					
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					

DESIGNED BY	AM
DRAWN BY	MF
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

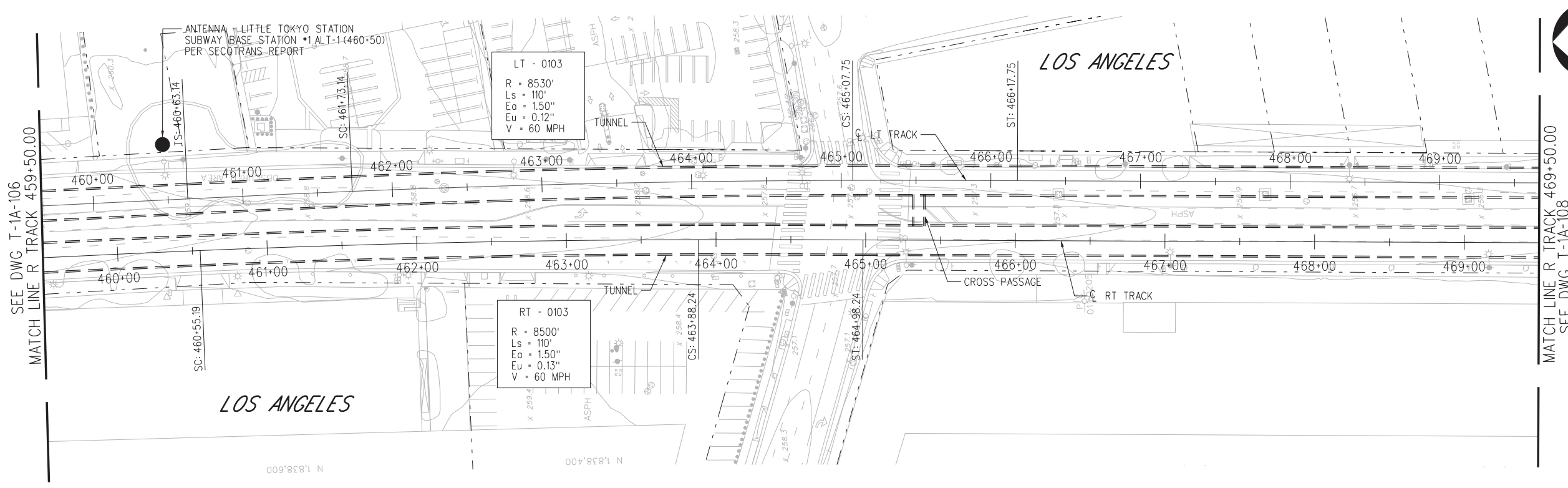
wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____
 APPROVED _____

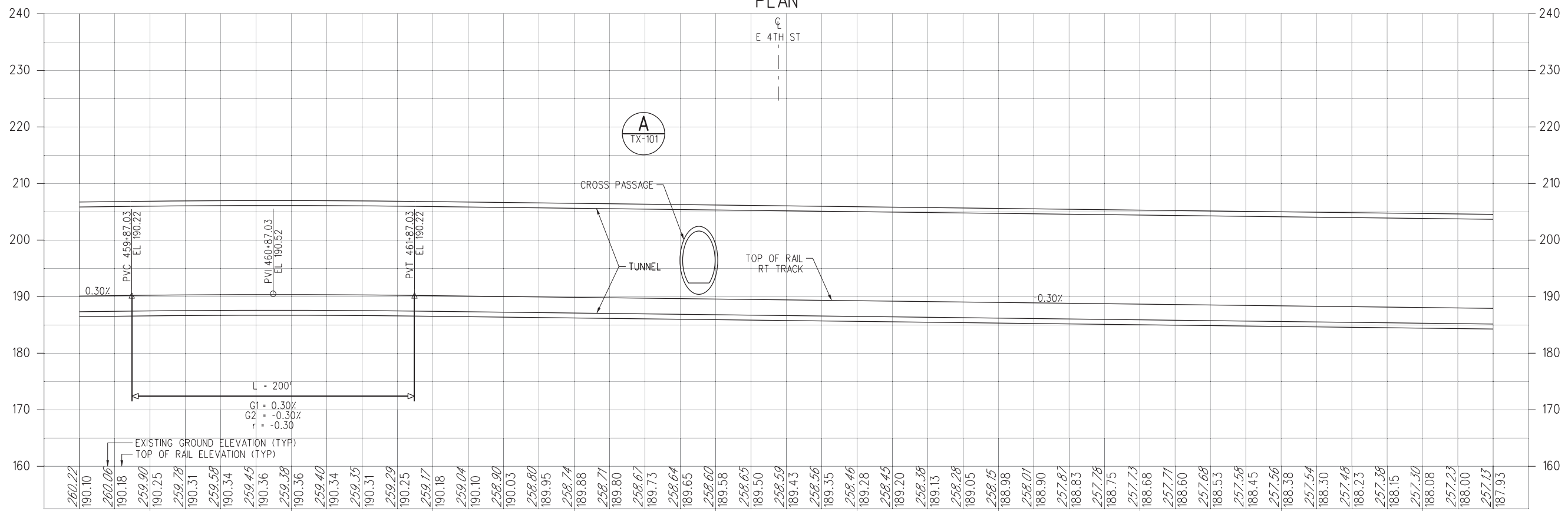
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1A PLAN & PROFILE STA 449+50 TO STA 459+50

CONTRACT NO. **AE5999300**
 DRAWING NO. **T-1A-106**
 SCALE **HORIZ: 1"=40' VERT: 1"=10'**
 SHEET NO. **26 OF 154**

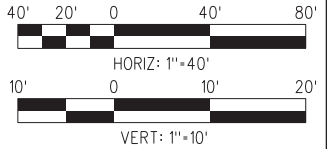
05-MAR-2021 B-28091AT106.plg
 wpp04-pw-svc 2:19
 Plot Driver=MTA-half.pen
 Pentable=bw.plt



PLAN



PROFILE




NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT107.plg


FINAL REVISED ACE SUBMITTAL - 10/8/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



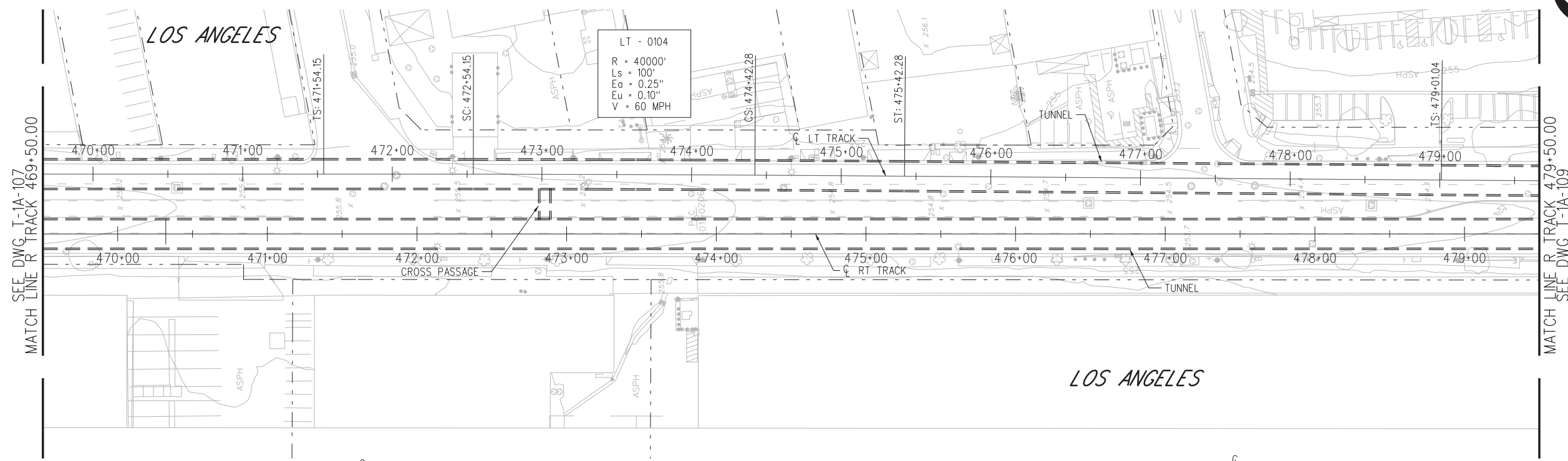
444 South Flower Street
Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

SUBMITTED _____

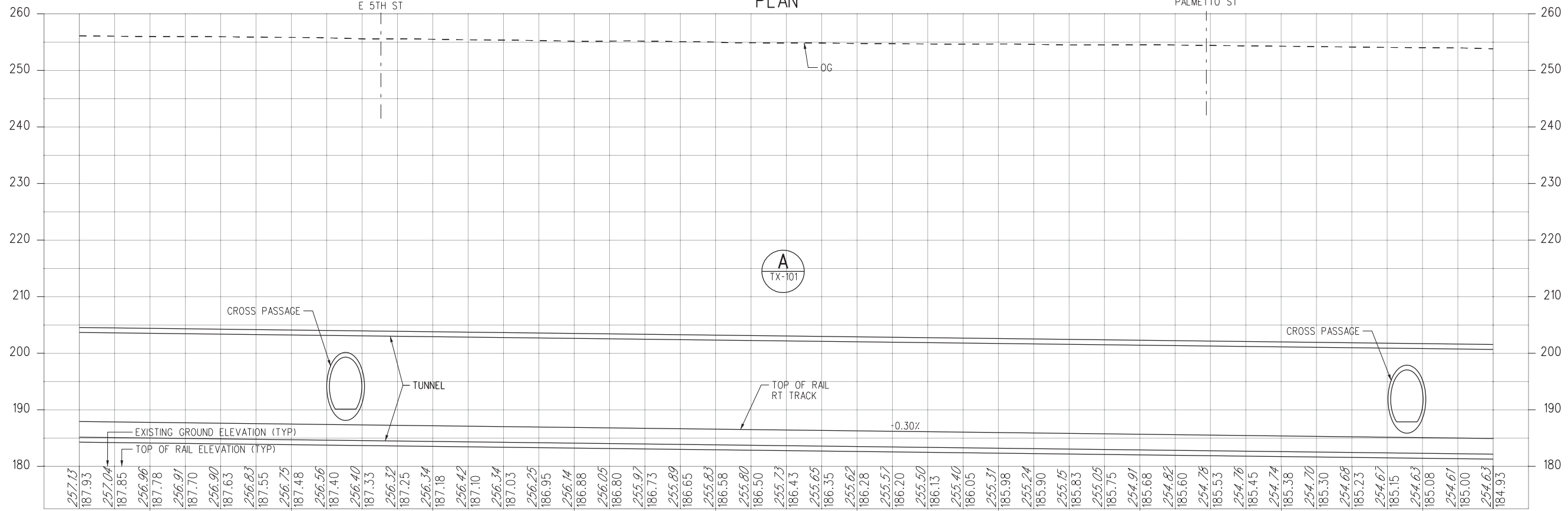
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1A PLAN & PROFILE STA 459+50 TO STA 469+50

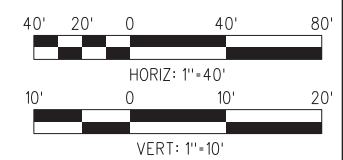
CONTRACT NO. AE5999300	REV
DRAWING NO. T-1A-107	
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO. 27	OF 154



PLAN



PROFILE



10-MAY-2021 B-28091AT108.plg


wspw04-pw-svc 20:47

FINAL REVISED ACE SUBMITTAL - 10/8/2020


NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



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SUBMITTED	_____
APPROVED	_____

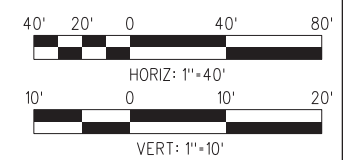
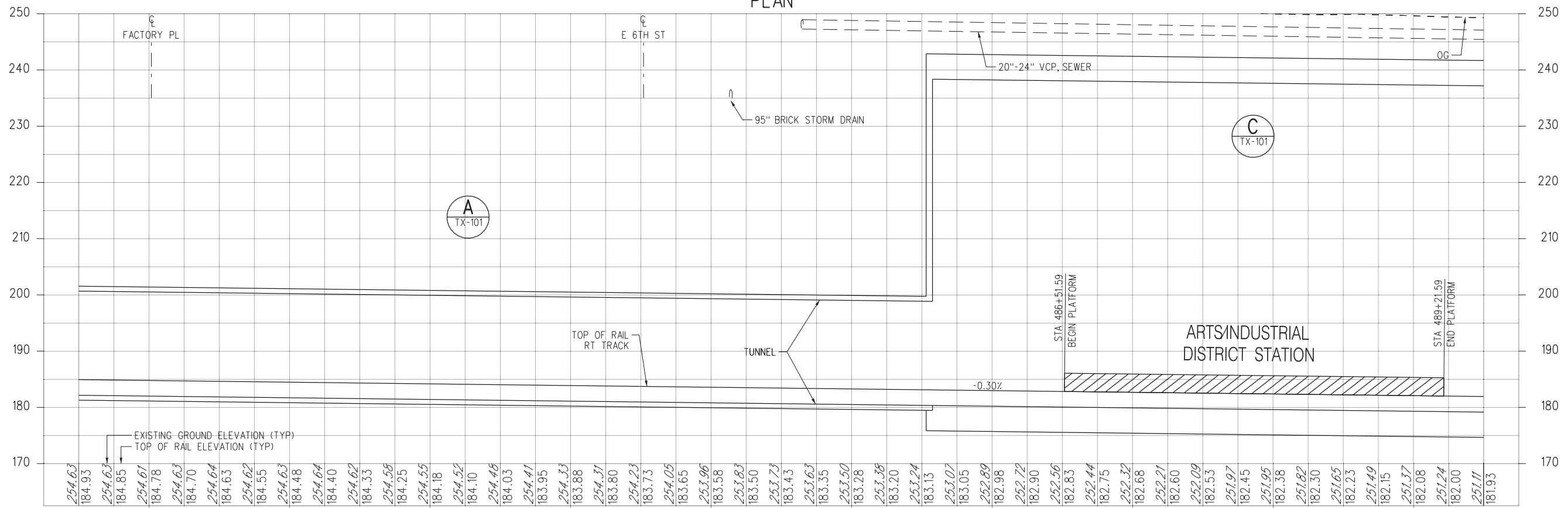
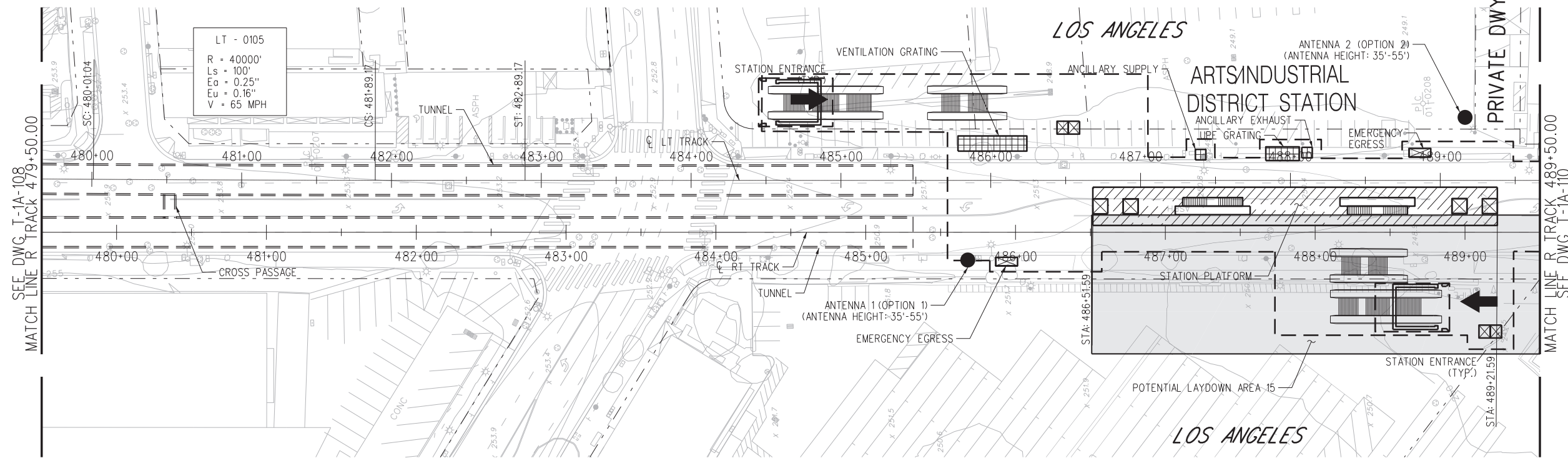
CONTRACT NO AE5999300	
DRAWING NO T-1A-108	REV
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO 28	OF 154

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1A PLAN & PROFILE STA 469+50 TO STA 479+50



NOTES:

- EXISTING UTILITIES ARE SHOWN IN PROFILE ONLY TO DEPICT THE VERTICAL SEPARATION FROM THE PROPOSED WORK AND ARE APPROXIMATE. FOR FURTHER DETAILS REGARDING LOCATIONS, REFER TO UTILITY DRAWINGS
- FOR STATION LAYOUT, SEE STATION SITE PLANS, SHEET A7-001
- FUTURE DESIGN PHASE TO CONSIDER MAKING PROVISION FOR POST-WSAB TRANSIT LINE CONNECTION FROM EITHER DOWNTOWN OR ALAMEDA STREET, PER METRO OPERATIONS RECOMMENDATION



FINAL REVISED ACE SUBMITTAL - 10/8/2020

NOT FOR CONSTRUCTION

DESIGNED BY AM	CONTRACT NO. AE5999300
DRAWN BY MF	DRAWING NO. T-1A-109
CHECKED BY RL	SCALE HOR: 1"=40' VERT: 1"=10'
IN CHARGE NM	SHEET NO. 29 OF 154
DATE 10/8/2020	

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

M Metro
wsp 444 South Flower Street
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SUBMITTED _____
 APPROVED _____

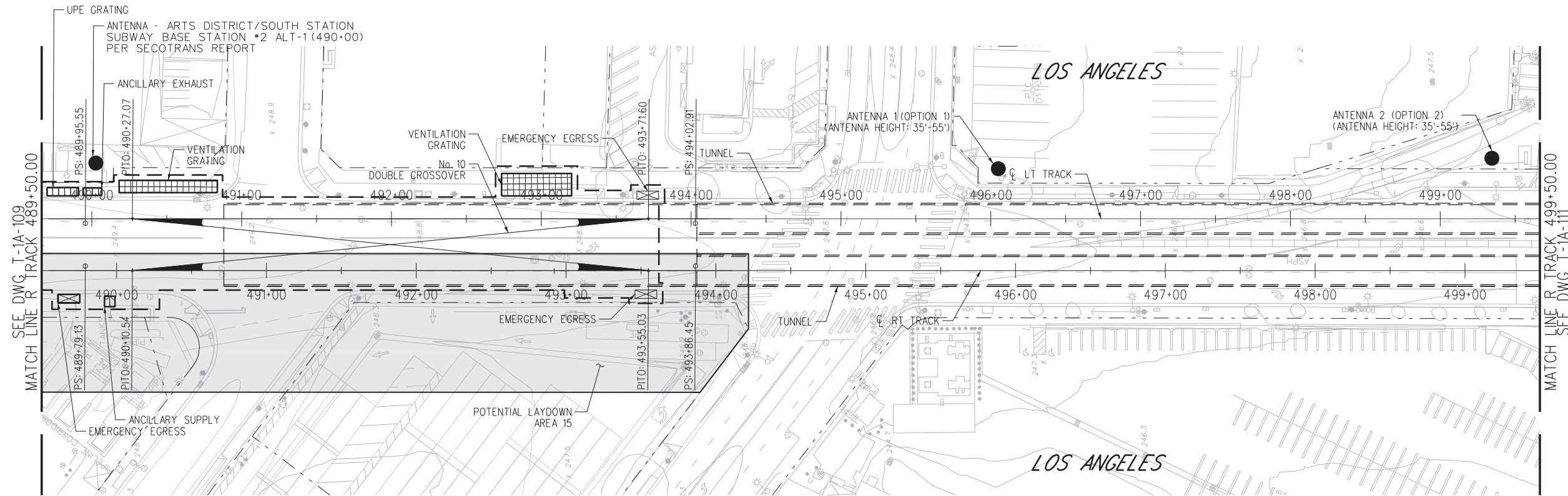
**WEST SANTA ANA BRANCH LRT
 TRACK ALIGNMENT
 ALTERNATIVE 1A
 PLAN & PROFILE
 STA 479+50 TO STA 489+50**

10-MAY-2021 B-28091AT109.plg
wspw04-pw-svc 20:46
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Pentable=bw.plt

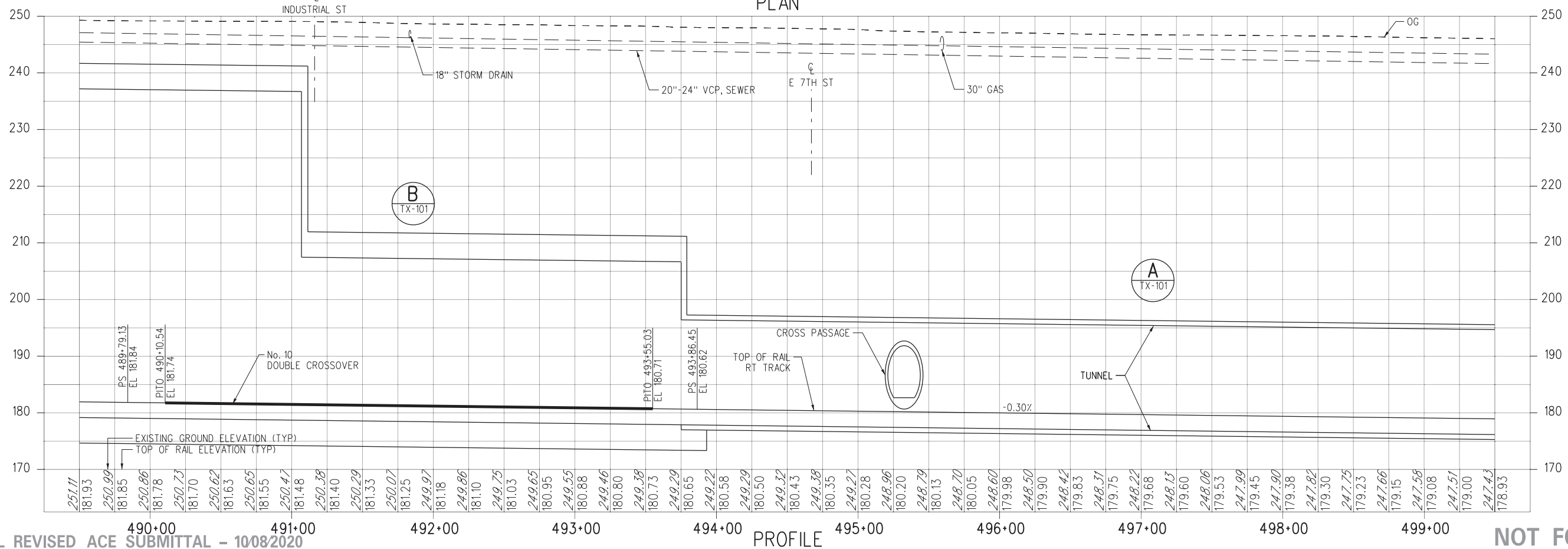


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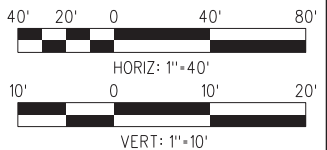
- 1. EXISTING UTILITIES ARE SHOWN IN PROFILE ONLY TO DEPICT THE VERTICAL SEPARATION FROM THE PROPOSED WORK AND ARE APPROXIMATE. FOR FURTHER DETAILS REGARDING LOCATIONS, REFER TO UTILITY DRAWINGS
- 2. FUTURE DESIGN PHASE TO CONSIDER MAKING PROVISION FOR POST-WSAB TRANSIT LINE CONNECTION FROM EITHER DOWNTOWN OR ALAMEDA STREET, PER METRO OPERATIONS RECOMMENDATION



PLAN



PROFILE



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10-MAY-2021 B-28091AT110.plg
wspw04-pw-svc 20:47

FINAL REVISED ACE SUBMITTAL - 10/8/2020

DESIGNED BY	AM						
DRAWN BY	MF						
CHECKED BY	RL						
IN CHARGE	NM						
DATE	10/8/2020						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY	AM
DRAWN BY	MF
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

M Metro
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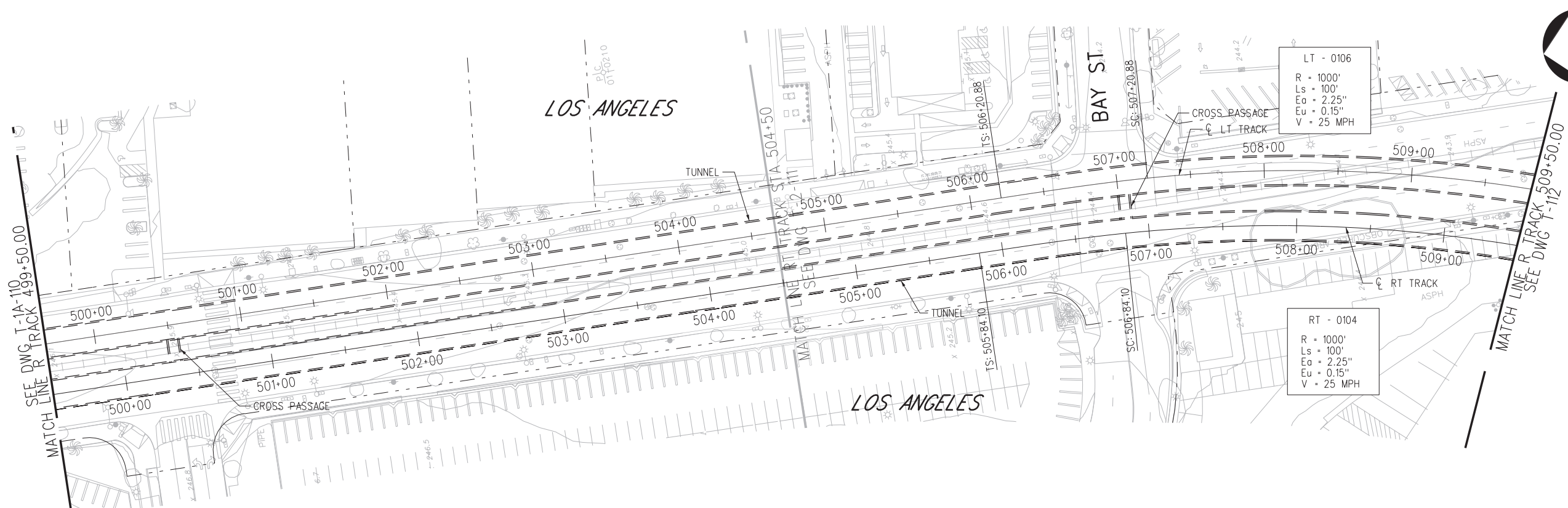
wsp 444 South Flower Street
 Suite 800
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 TEL (213) 362-9470

SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1A PLAN & PROFILE
 STA 489+50 TO STA 499+50

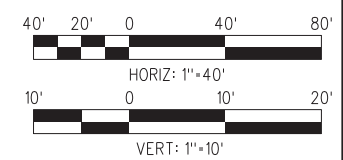
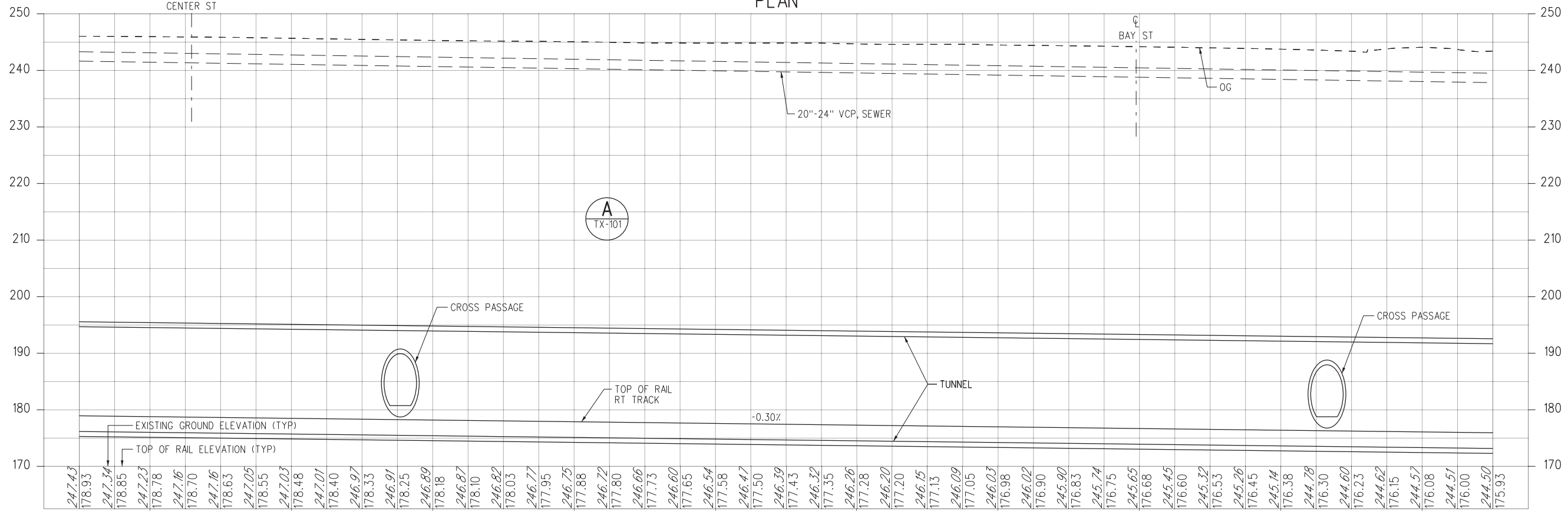
CONTRACT NO.	AE5999300
DRAWING NO.	T-1A-110
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	30 OF 154

10-MAY-2021 B-28091A1111.ppg
wspw04-pw-svc 20:48



NOTES:
1. EXISTING UTILITIES ARE SHOWN IN PROFILE ONLY TO DEPICT THE VERTICAL SEPARATION FROM THE PROPOSED WORK AND ARE APPROXIMATE. FOR FURTHER DETAILS REGARDING LOCATIONS, REFER TO UTILITY DRAWINGS

PLAN



FINAL REVISED ACE SUBMITTAL - 10/08/2020 PROFILE NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

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LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____
APPROVED _____

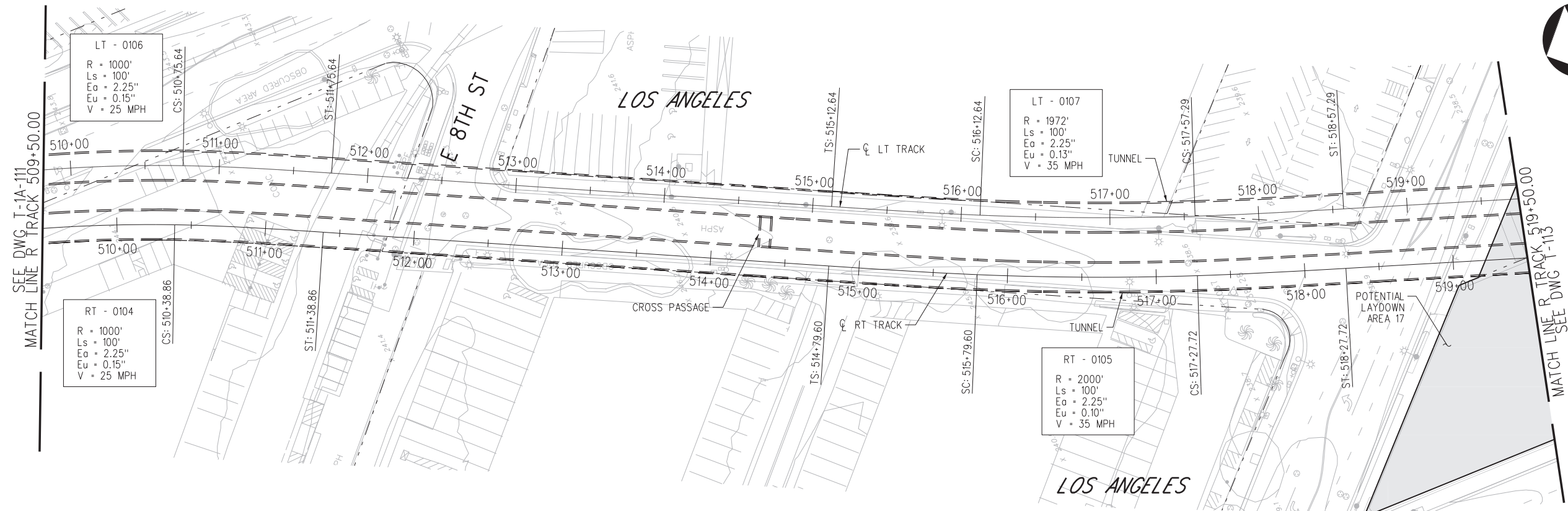
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1A PLAN & PROFILE STA 499+50 TO STA 509+50

CONTRACT NO. AE5999300
DRAWING NO. T-1A-111
SCALE: HOR: 1"=40' VERT: 1"=10'
SHEET NO. 31 OF 154

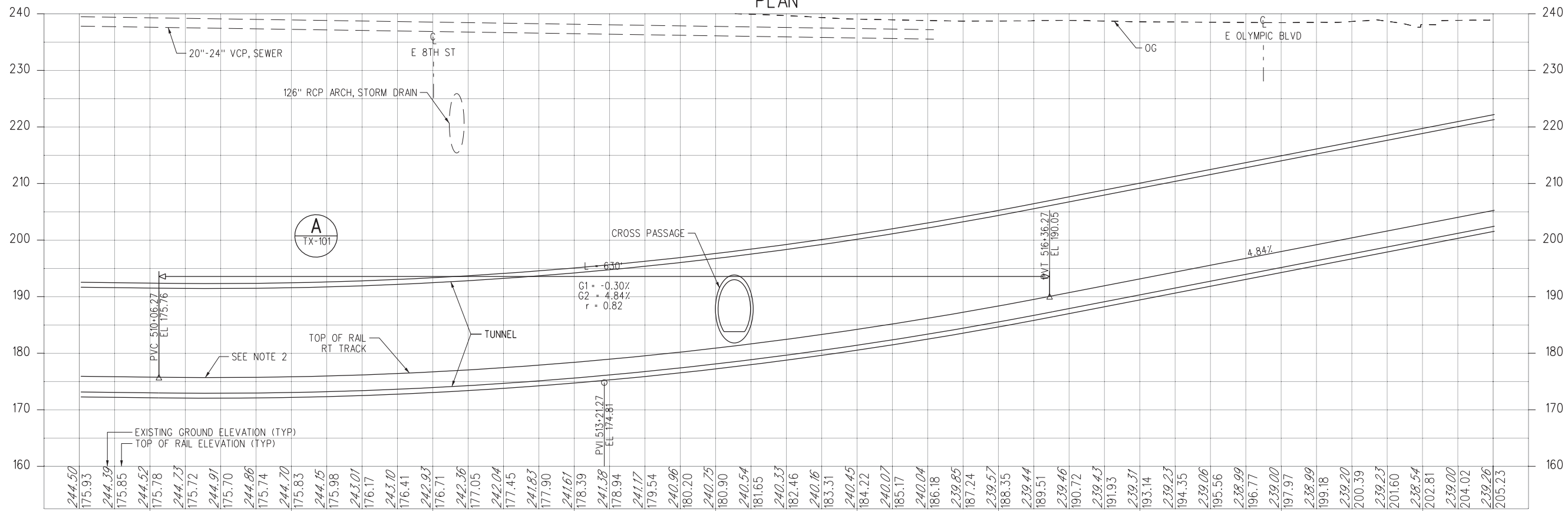


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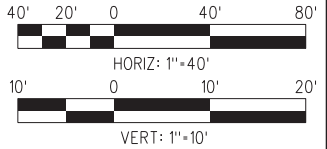
- EXISTING UTILITIES ARE SHOWN IN PROFILE ONLY TO DEPICT THE VERTICAL SEPARATION FROM THE PROPOSED WORK AND ARE APPROXIMATE. FOR FURTHER DETAILS REGARDING LOCATIONS, REFER TO UTILITY DRAWINGS
- SUMP LINE TO STORM DRAIN REQUIRED. LINE TO COINCIDE WITH EXCAVATION FROM SURFACE.



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT112.plg

FINAL REVISED ACE SUBMITTAL - 10/8/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

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SUBMITTED _____

APPROVED _____

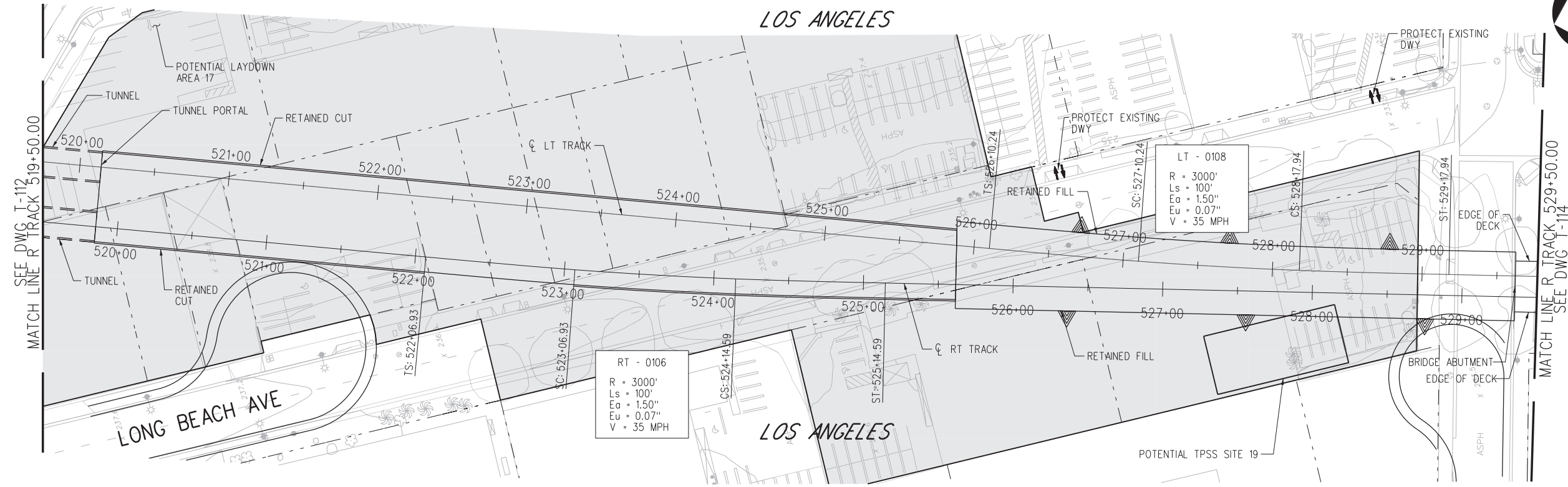
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 509+50 TO STA 519+50

CONTRACT NO AE5999300	
DRAWING NO T-112	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO 32	OF 154

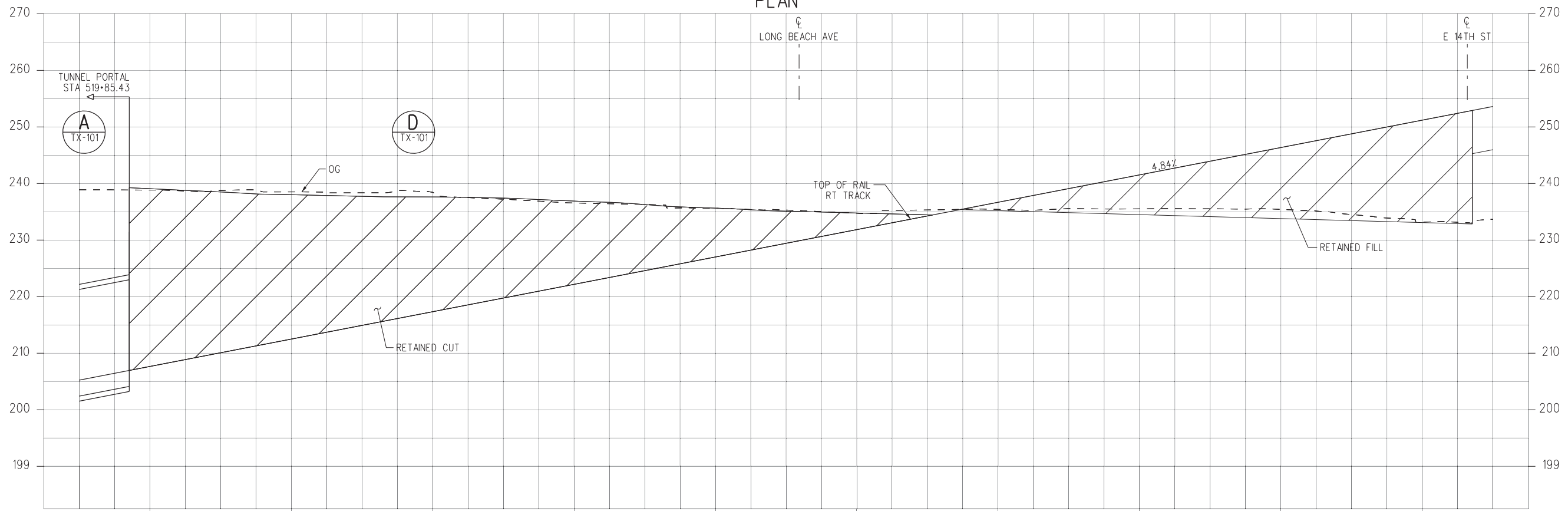


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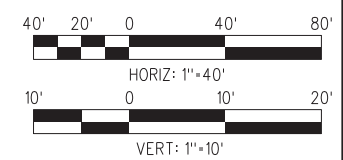
1. LONG BEACH AVE AND E. 14TH STREETS CLOSED AT ALIGNMENT CROSSINGS
2. EXISTING UTILITIES ARE SHOWN IN PROFILE ONLY TO DEPICT THE VERTICAL SEPARATION FROM THE PROPOSED WORK AND ARE APPROXIMATE. FOR FURTHER DETAILS REGARDING LOCATIONS, REFER TO UTILITY DRAWINGS



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT113.plt
wspw04-pw-svc 20:47
Plot Driver=MTA-half.pen

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.										
DESIGNED BY	AM	DATE	10/8/2020	BY		APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
DRAWN BY	MF	DATE		BY		APP				
CHECKED BY	RL	DATE		BY		APP				
IN CHARGE	NM	DATE		BY		APP				
DATE	10/8/2020	FINAL REVISED ACE SUBMITTAL								
REV	0	DATE	10/8/2020	BY		APP		EXPIRES		DESCRIPTION

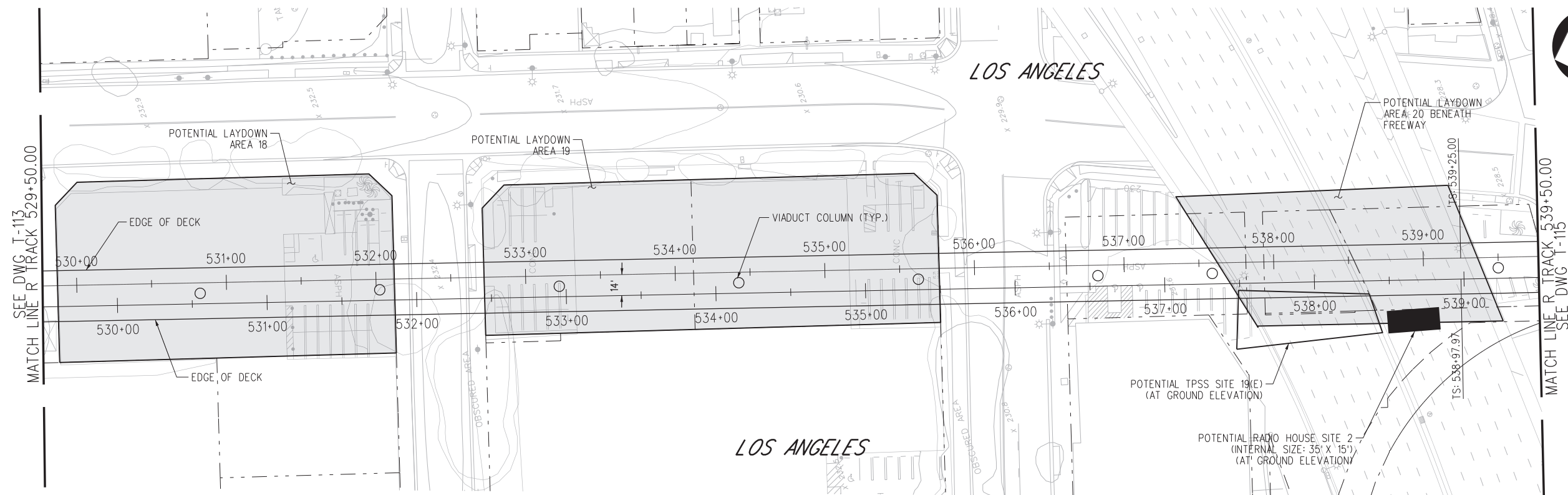
DESIGNED BY	AM
DRAWN BY	MF
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

M Metro
wsp 444 South Flower Street
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 Los Angeles, CA 90071
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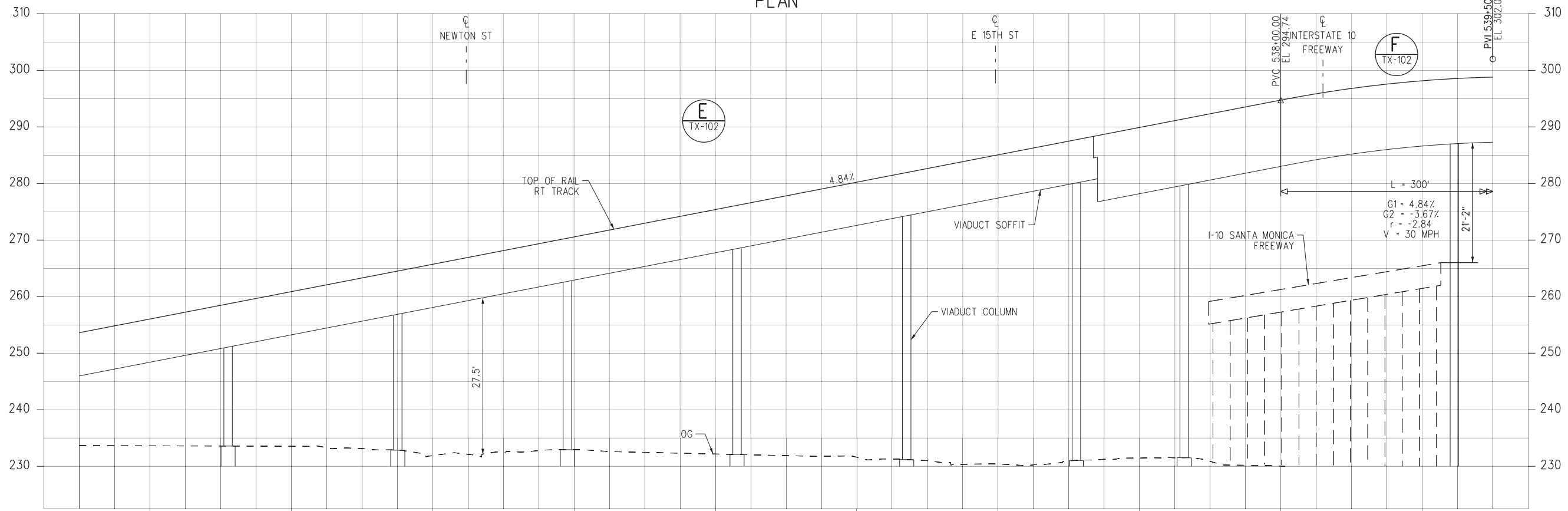
SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 519+50 TO STA 529+50

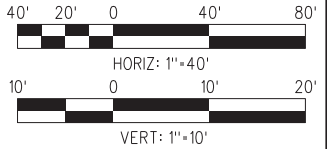
CONTRACT NO. AE5999300
 DRAWING NO. T-113
 SCALE: HORIZ: 1"=40' VERT: 1"=10'
 SHEET NO. 33 OF 154



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT114.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
FINAL REVISED ACE SUBMITTAL						
DESCRIPTION						

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



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SUBMITTED _____

APPROVED _____

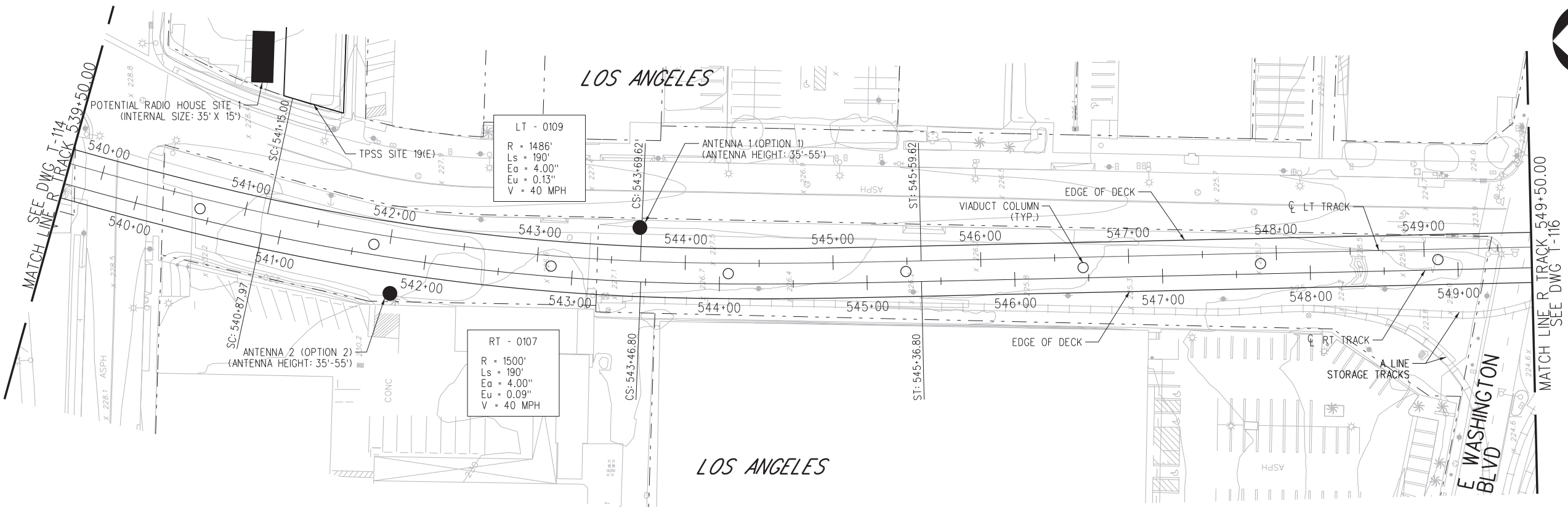
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 529+50 TO STA 539+50

CONTRACT NO. **AE5999300**

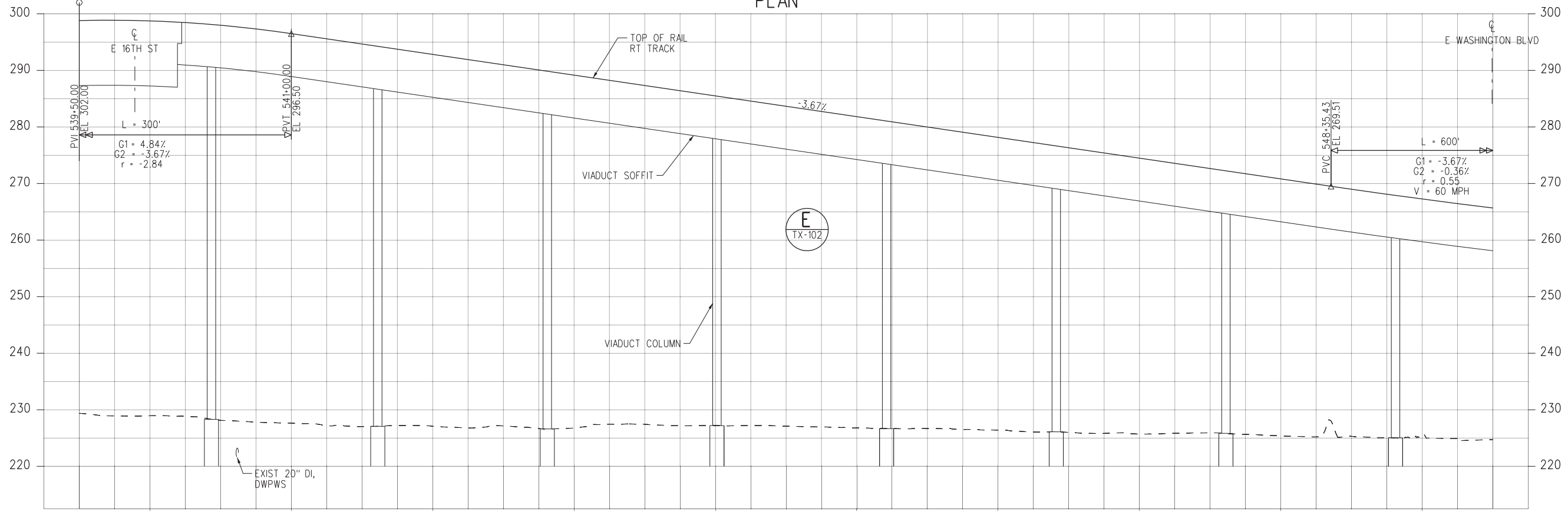
DRAWING NO. **T-114** REV _____

SCALE **HOR: 1"=40'**
VERT: 1"=10'

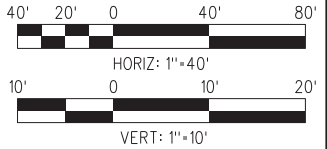
SHEET NO. **34** OF **154**



PLAN



PROFILE



NOT FOR CONSTRUCTION

25-JUN-2021 B-28091AT115.plg
wspw04-pw-svc 17:01
Plot Driver=MTA-half.pen

FINAL REVISED ACE SUBMITTAL - 10/08/2020

DESIGNED BY AM	DATE 10/8/2020	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION FINAL REVISED ACE SUBMITTAL
DRAWN BY MF							
CHECKED BY RL							
IN CHARGE NM							
DATE 10/8/2020							

DESIGNED BY AM	DATE 10/8/2020
DRAWN BY MF	
CHECKED BY RL	
IN CHARGE NM	
DATE 10/8/2020	

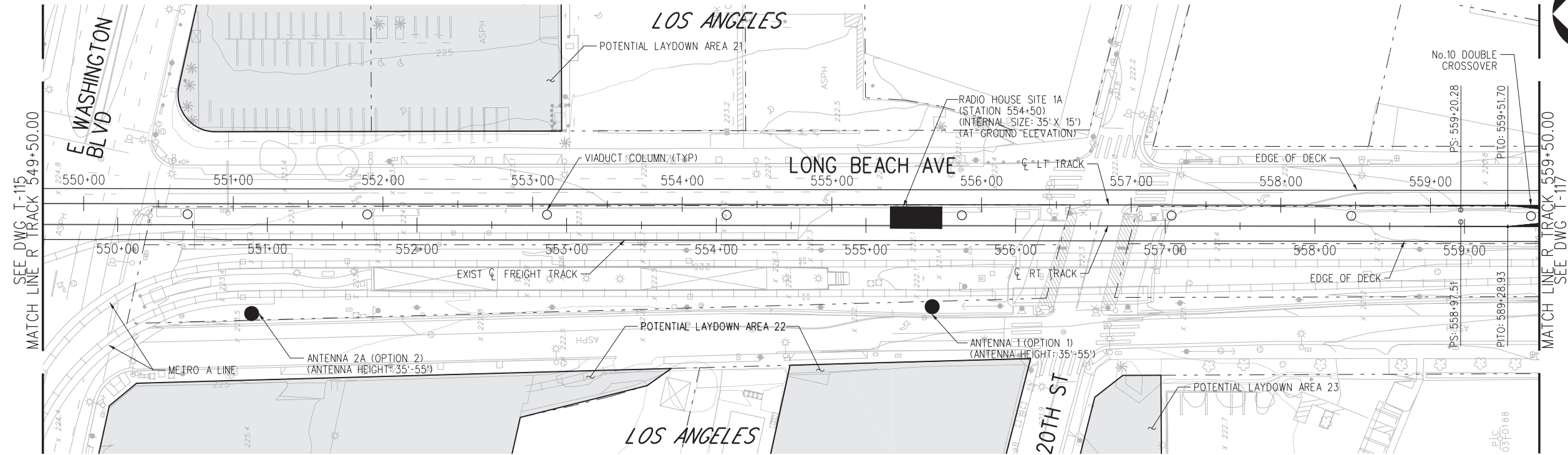
M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

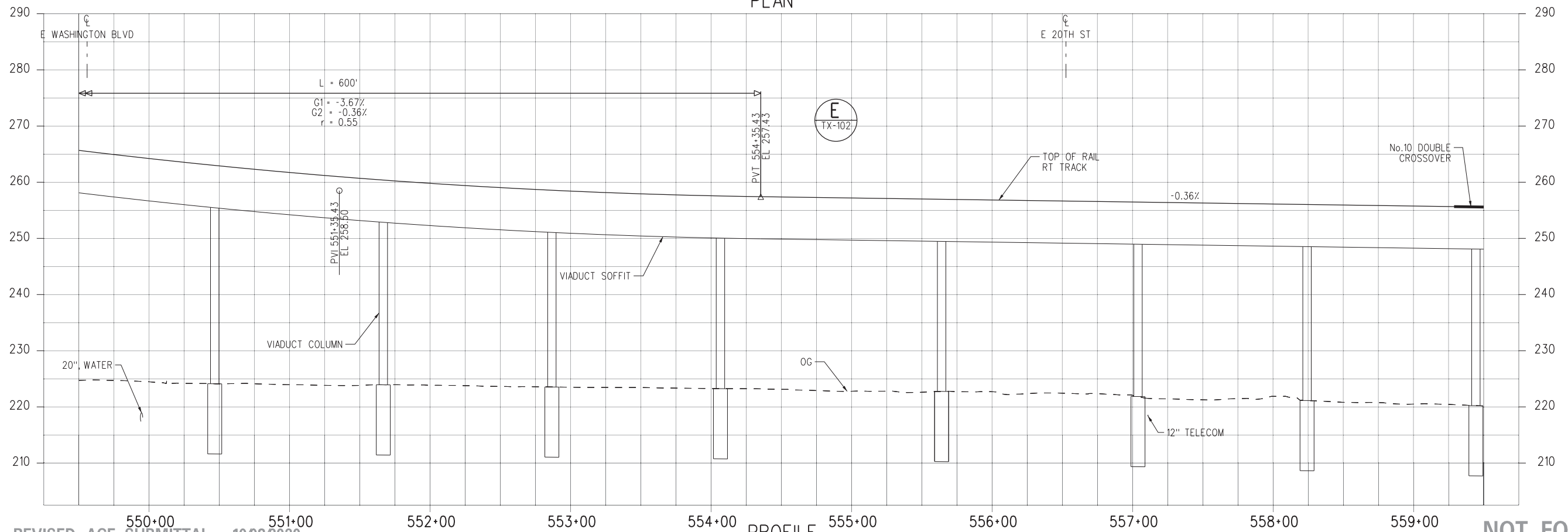
SUBMITTED _____
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 539+50 TO STA 549+50

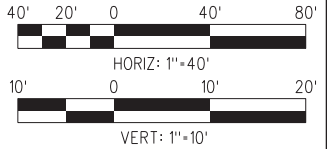
CONTRACT NO. AE5999300
DRAWING NO. T-115
SCALE: HORIZ: 1"=40' VERT: 1"=10'
SHEET NO. 35 OF 154



PLAN



PROFILE




NOT FOR CONSTRUCTION

01-JUL-2021 B-28091A116.plt


FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



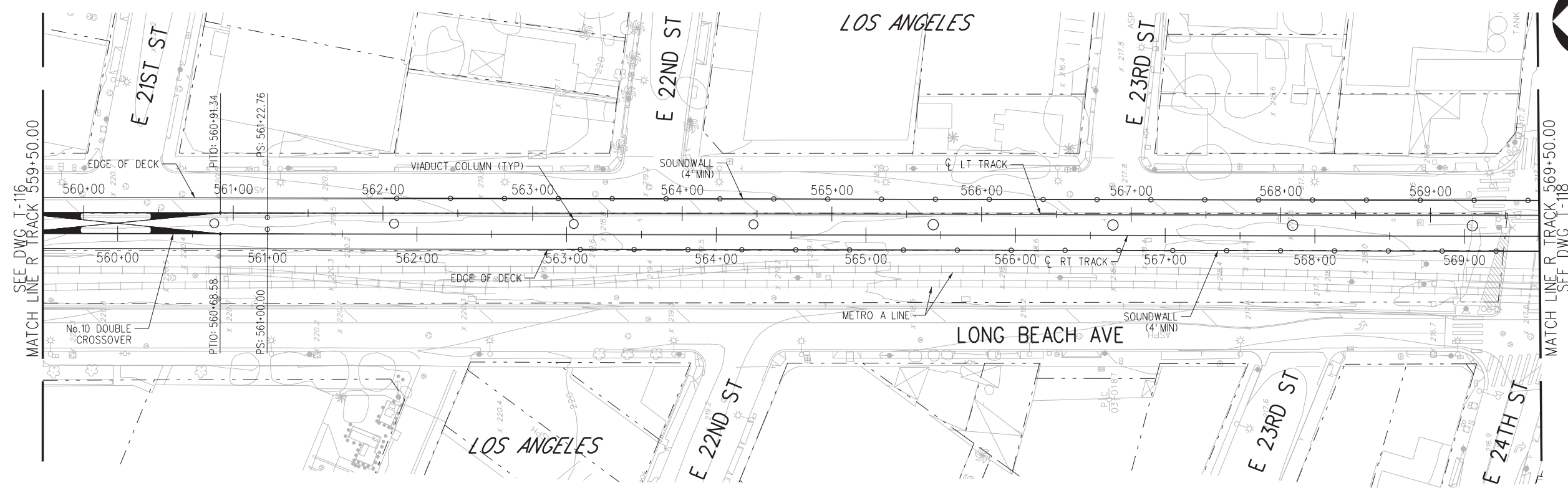
444 South Flower Street
Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

SUBMITTED	_____
APPROVED	_____

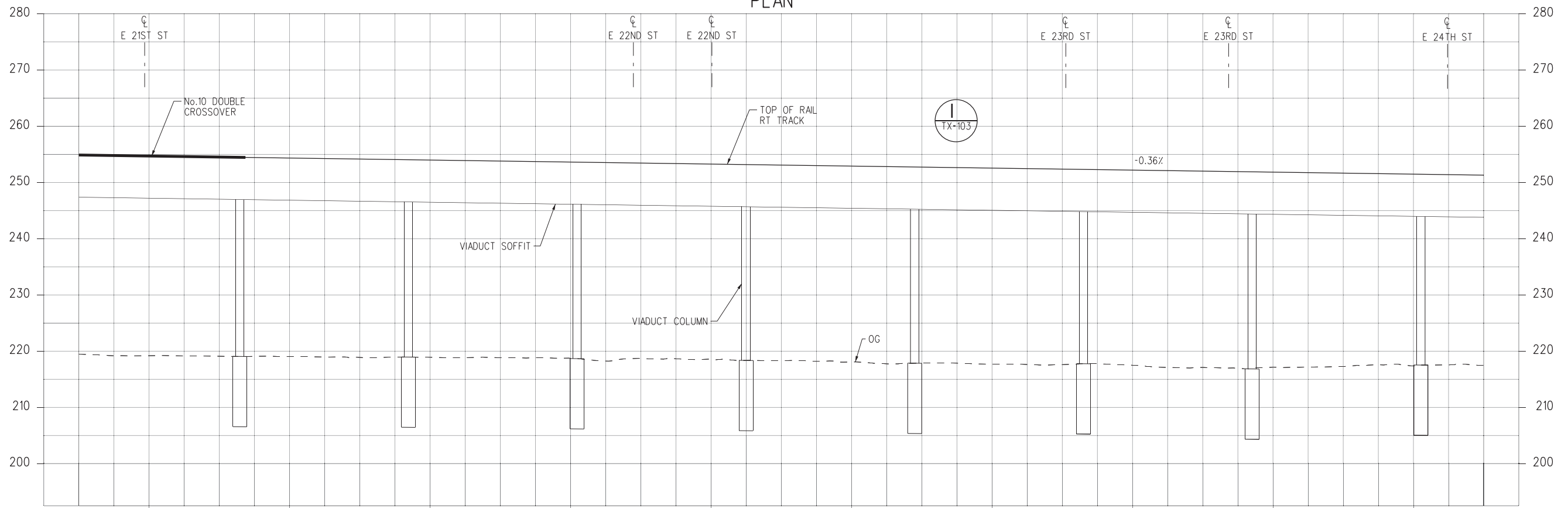
<p>WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE</p> <p>STA 549+50 TO STA 559+50</p>	
CONTRACT NO. AE5999300	REV
DRAWING NO. T-116	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO. 36	OF 154



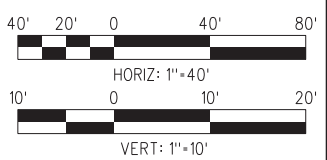
NOTES:
1. SOUND WALL LOCATED ON EDGE OF VIADUCT.



PLAN



PROFILE



NOT FOR CONSTRUCTION

01-JUL-2021 B-28091A117.plt

FINAL REVISED ACE SUBMITTAL - 10/08/2020

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0	10/8/2020					FINAL REVISED ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

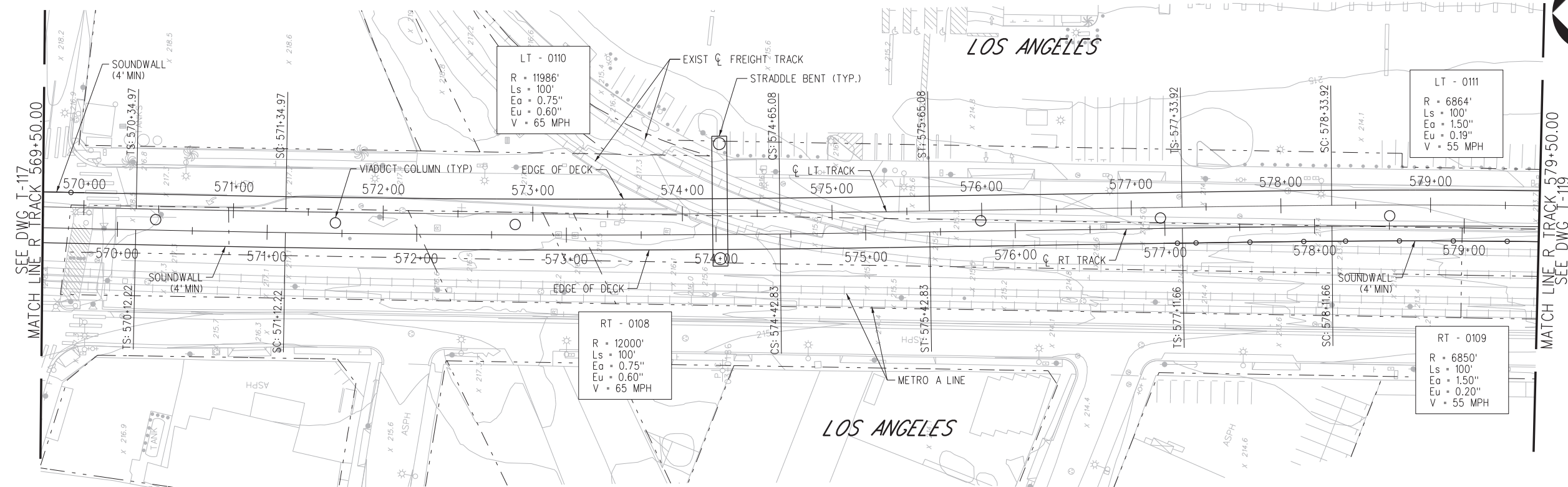
DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

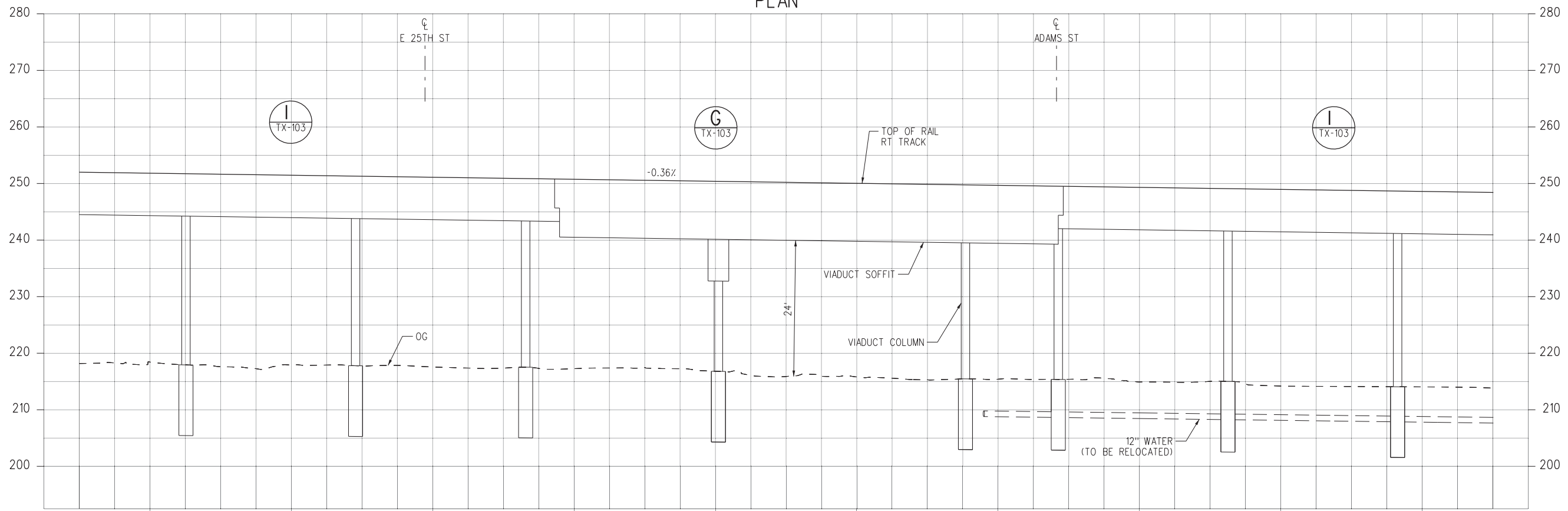
444 South Flower Street
Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

SUBMITTED	_____
APPROVED	_____

CONTRACT NO. AE5999300	
DRAWING NO. T-117	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO. 37	OF 154

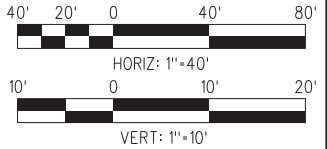


PLAN



PROFILE

- NOTES:**
- EXISTING UTILITY LINE TO BE RELOCATED AS NECESSARY, REFER TO UTILITY PLANS.
 - SOUND WALL LOCATED ON EDGE OF VIADUCT



FINAL REVISED ACE SUBMITTAL - 10/8/2020

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



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SUBMITTED _____

APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 569+50 TO STA 579+50

CONTRACT NO. **AE5999300**

DRAWING NO. **T-118** REV _____

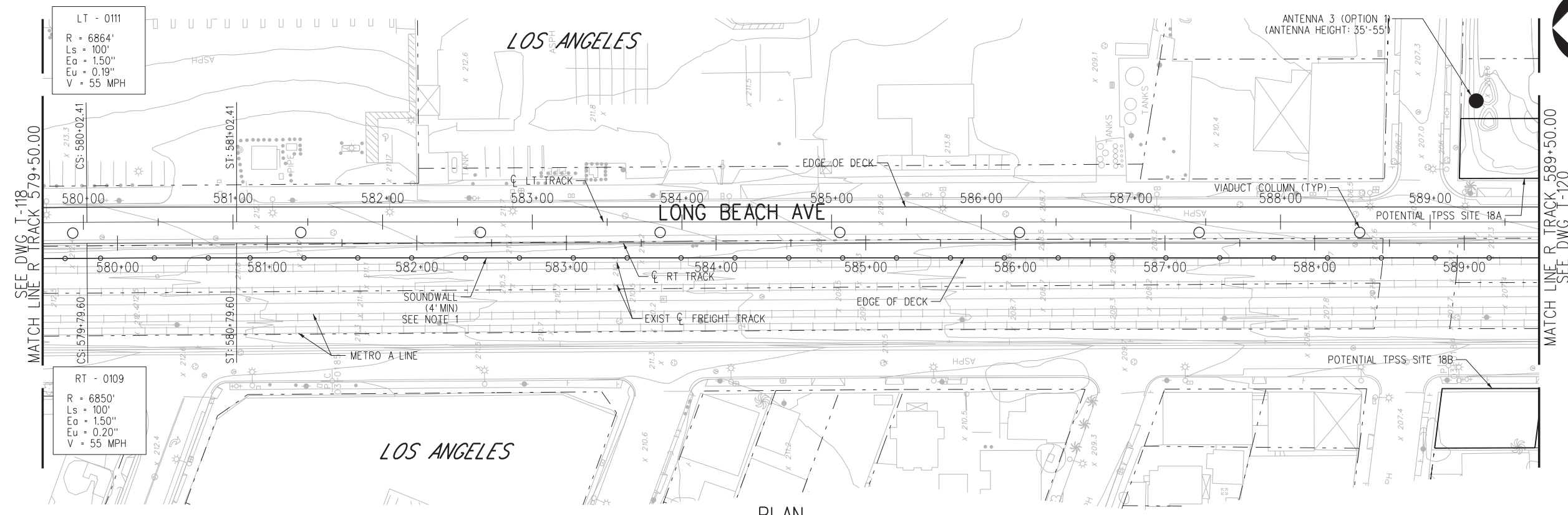
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VERT: 1"=10'

SHEET NO. **38** OF **154**

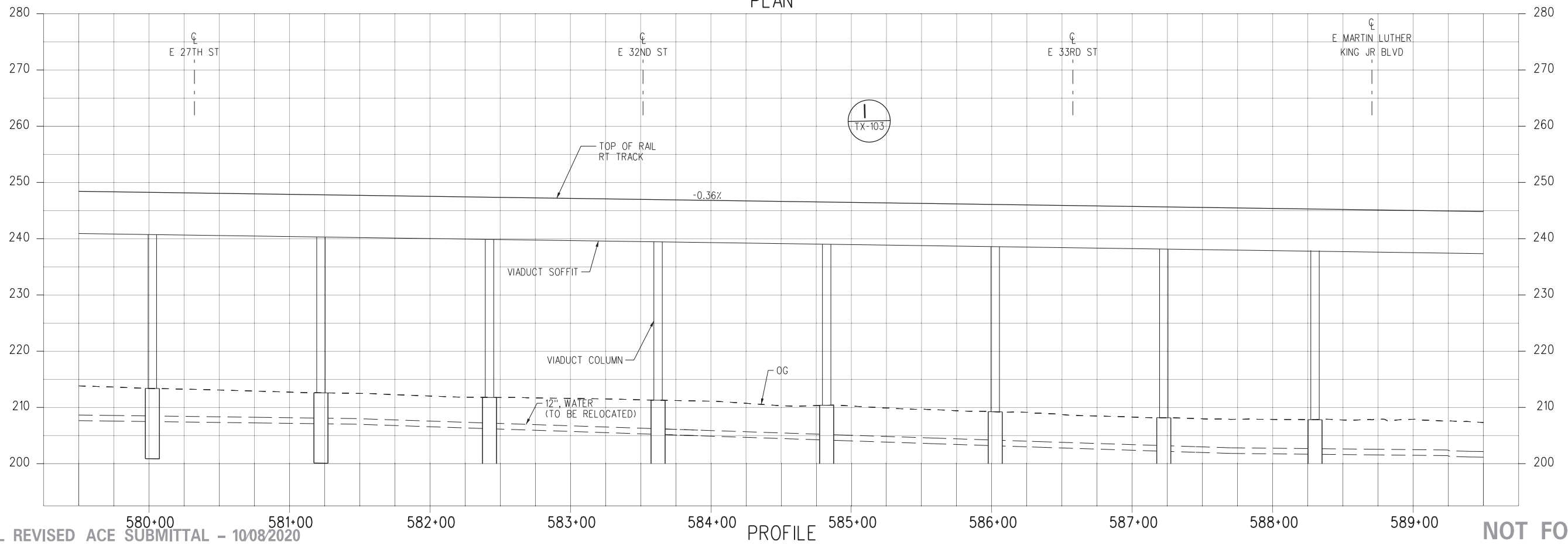
25-JUN-2021 B-28091AT118.plg



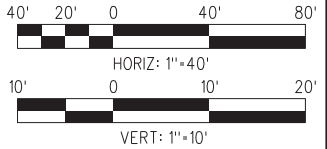
- NOTES:**
- SOUND WALL LOCATED ON EDGE OF VIADUCT.
 - EXISTING UTILITY LINE TO BE RELOCATED AS NECESSARY, REFER TO UTILITY PLANS.



PLAN



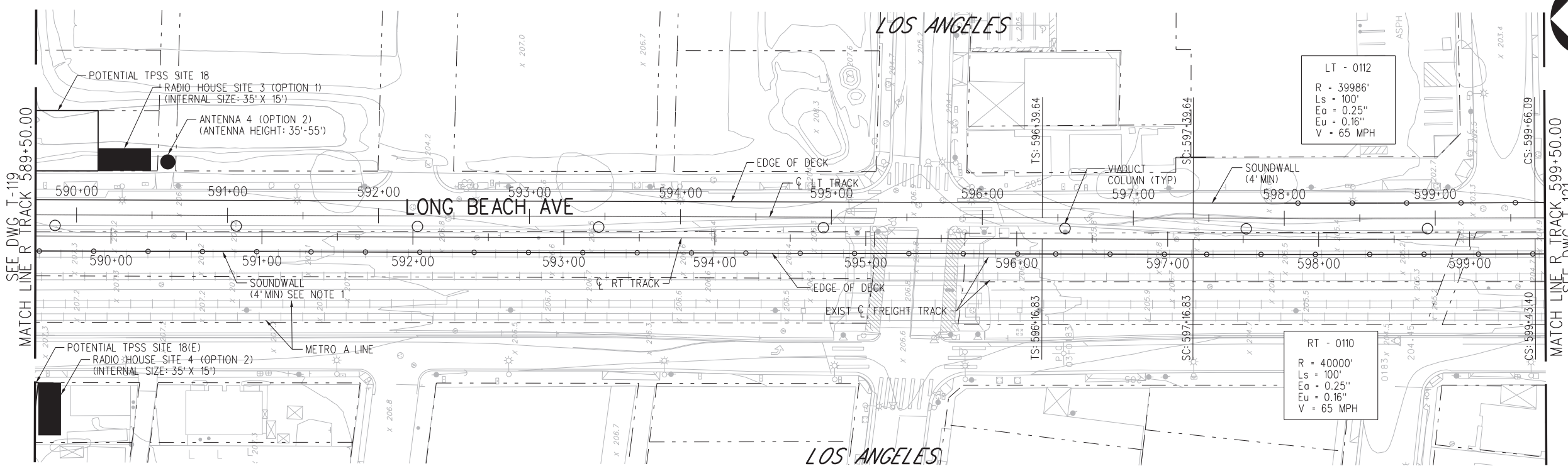
PROFILE



FINAL REVISED ACE SUBMITTAL - 10/8/2020

NOT FOR CONSTRUCTION

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						DESIGNED BY AM		 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	CONTRACT NO. AE5999300	
						DRAWN BY MF			DRAWING NO. T-119	
						CHECKED BY RL			SCALE HOR: 1"=40' VERT: 1"=10'	
						IN CHARGE NM			SHEET NO. 39 OF 154	
						DATE 10/8/2020			WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 579+50 TO STA 589+50	
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	SUBMITTED _____ APPROVED _____		
0	10/8/2020						FINAL REVISED ACE SUBMITTAL			



SEE DWG T-119
MATCH LINE R TRACK 589+50.00

MATCH LINE R TRACK 599+50.00
SEE DWG T-121

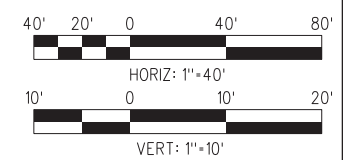
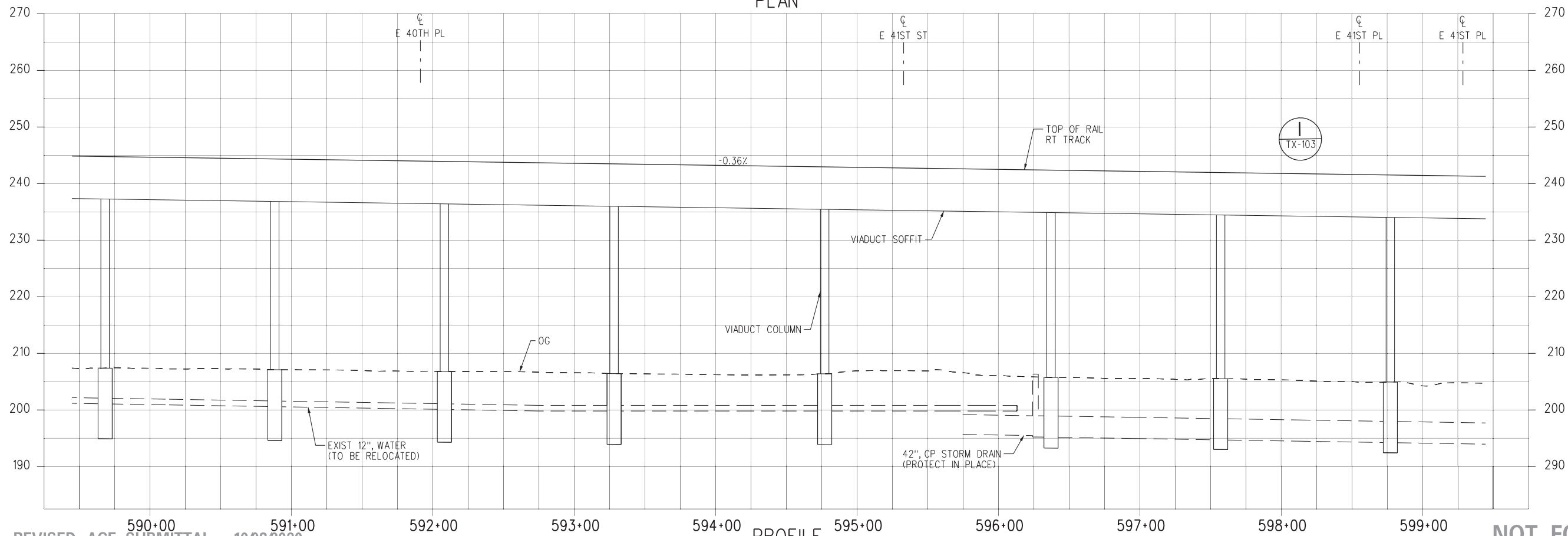


- NOTES:**
- SOUND WALL LOCATED ON EDGE OF VIADUCT
 - LONG BEACH AVE STRIPING PLANS TO BE PROVIDED IN FUTURE DESIGN PHASE.
 - EXISTING UTILITY LINE TO BE RELOCATED AS NECESSARY, REFER TO UTILITY PLANS

LT - 0112
R = 39986'
Ls = 100'
Ea = 0.25"
Eu = 0.16"
V = 65 MPH

RT - 0110
R = 40000'
Ls = 100'
Ea = 0.25"
Eu = 0.16"
V = 65 MPH

PLAN



FINAL REVISED ACE SUBMITTAL - 10/08/2020

NOT FOR CONSTRUCTION

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
0	10/8/2020					FINAL REVISED ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro
wsp

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____

APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 589+50 TO STA 599+50

CONTRACT NO. AE5999300

DRAWING NO. T-120 REV

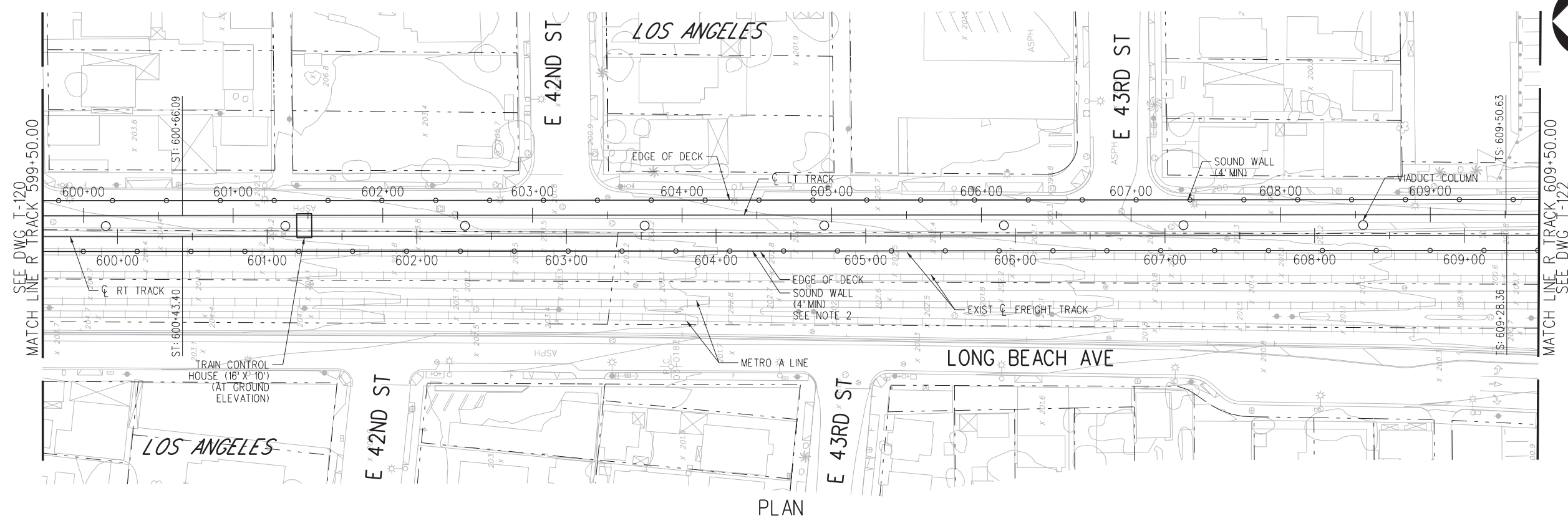
SCALE: HORIZ: 1"=40' VERT: 1"=10'

SHEET NO. 40 OF 154

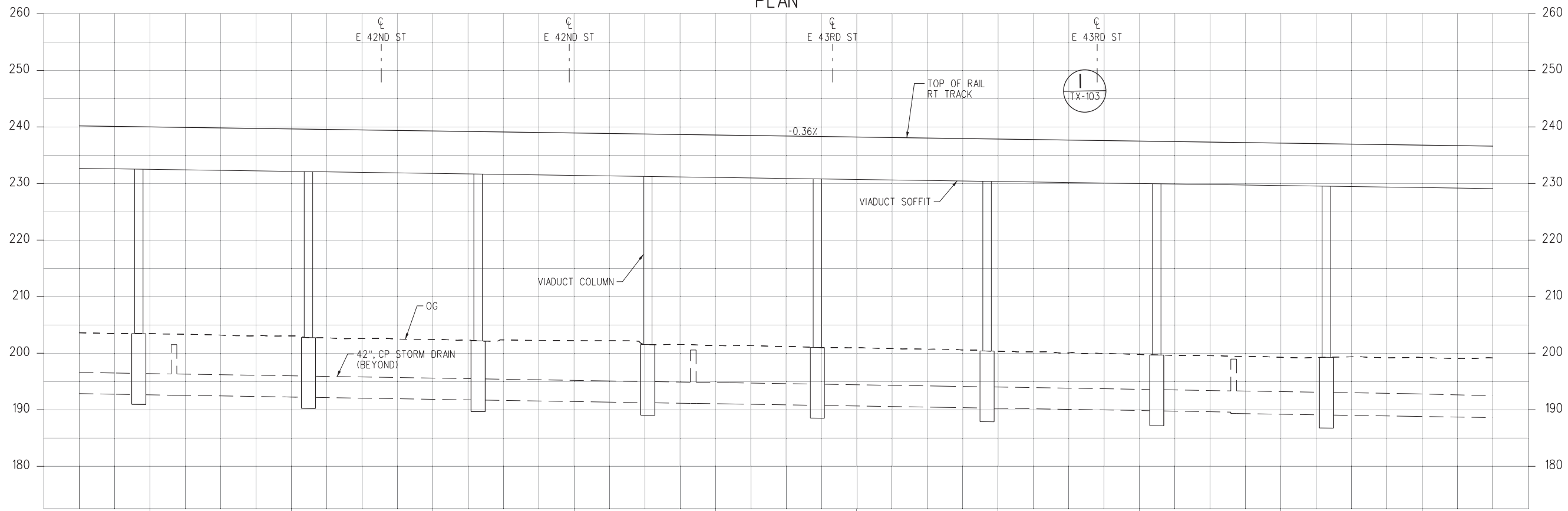
05-MAR-2021 B-28091A1T120.plg



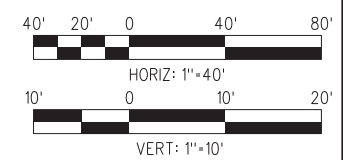
- NOTES:**
- EXISTING UTILITY LINE TO BE RELOCATED AS NECESSARY, REFER TO UTILITY PLANS.
 - SOUND WALL LOCATED ON EDGE OF VIADUCT



PLAN



PROFILE



FINAL REVISED ACE SUBMITTAL - 10/08/2020

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

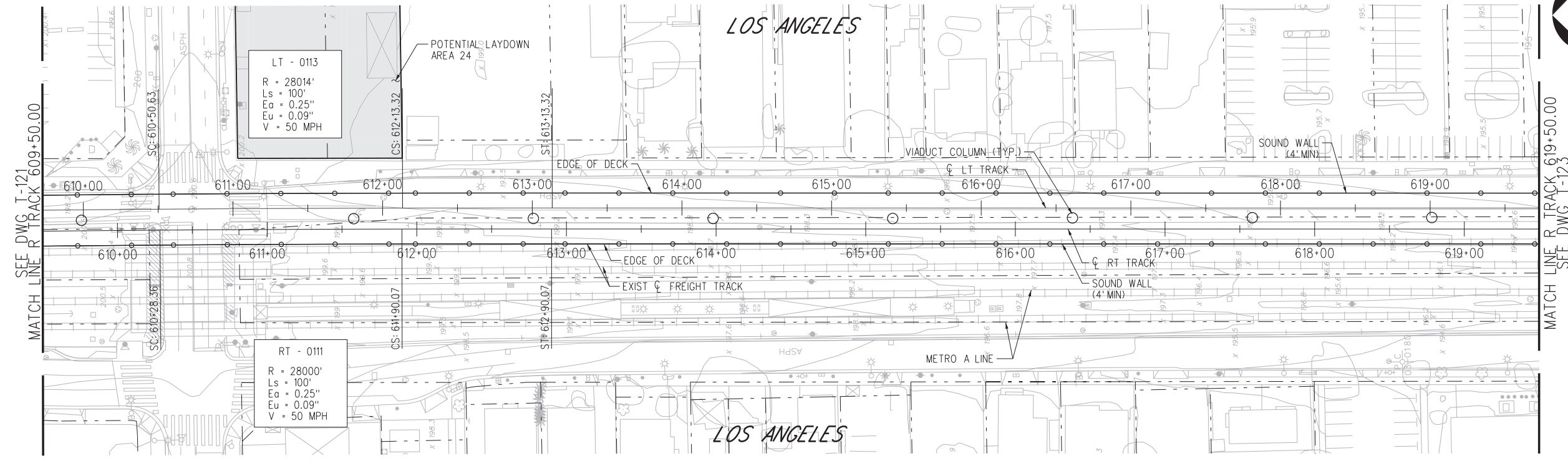
wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 599+50 TO STA 609+50

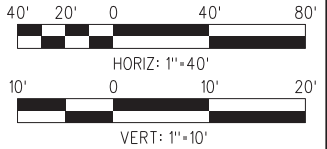
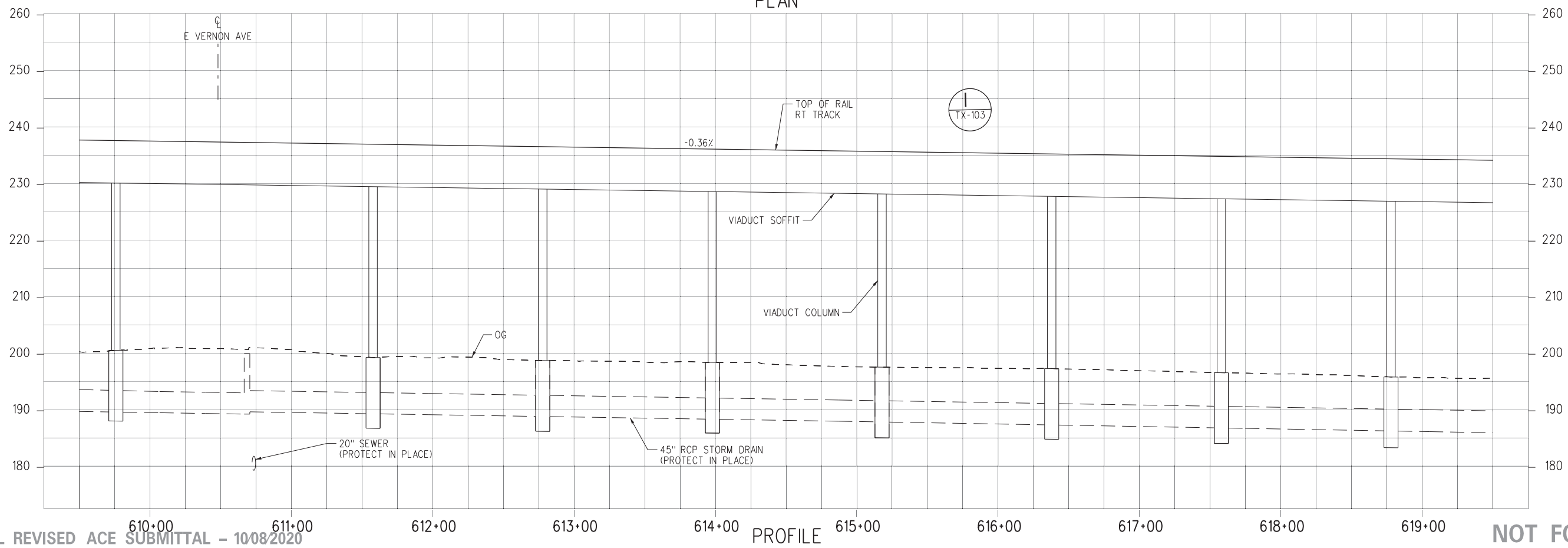
CONTRACT NO. **AE5999300**
 DRAWING NO. **T-121**
 SCALE **HOR: 1"=40' VERT: 1"=10'**
 SHEET NO. **41 OF 154**

05-MAR-2021 B-28091AT121.plt



- NOTES:**
- SOUND WALL LOCATED ON EDGE OF VIADUCT
 - EXISTING UTILITY LINE TO BE RELOCATED AS NECESSARY. REFER TO UTILITY PLANS.
 - LONG BEACH AVE STRIPING PLANS TO BE PROVIDED IN FUTURE DESIGN PHASE.

PLAN



FINAL REVISED ACE SUBMITTAL - 10/08/2020

NOT FOR CONSTRUCTION

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
DESIGNED BY	AM	DATE	10/8/2020	BY	APP	REG NO.
DRAWN BY	MF	DATE	10/8/2020	BY	APP	REG NO.
CHECKED BY	RL	DATE	10/8/2020	BY	APP	REG NO.
IN CHARGE	NM	DATE	10/8/2020	BY	APP	REG NO.
DESCRIPTION	FINAL REVISED ACE SUBMITTAL					
SEAL HOLDER	Pentable+bw.plt					

DESIGNED BY	AM
DRAWN BY	MF
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

M Metro
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wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____
 APPROVED _____

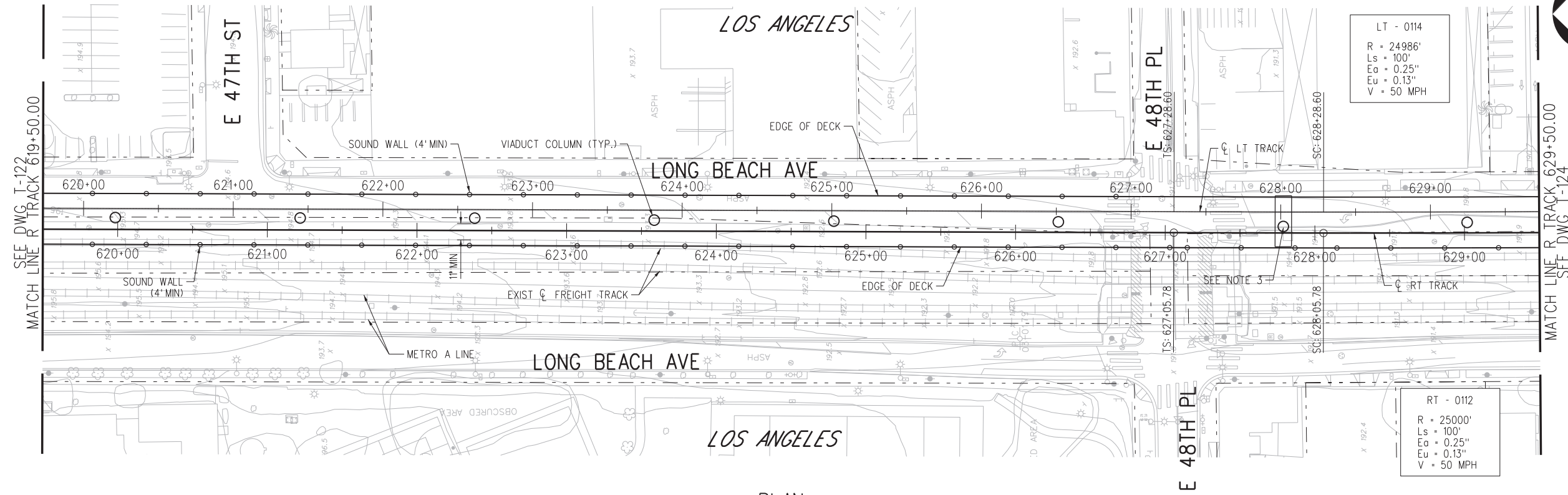
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 609+50 TO STA 619+50

CONTRACT NO. **AE5999300**
 DRAWING NO. **T-122**
 SCALE **HORIZ: 1"=40' VERT: 1"=10'**
 SHEET NO. **42 OF 154**

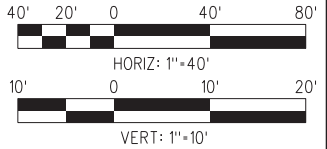
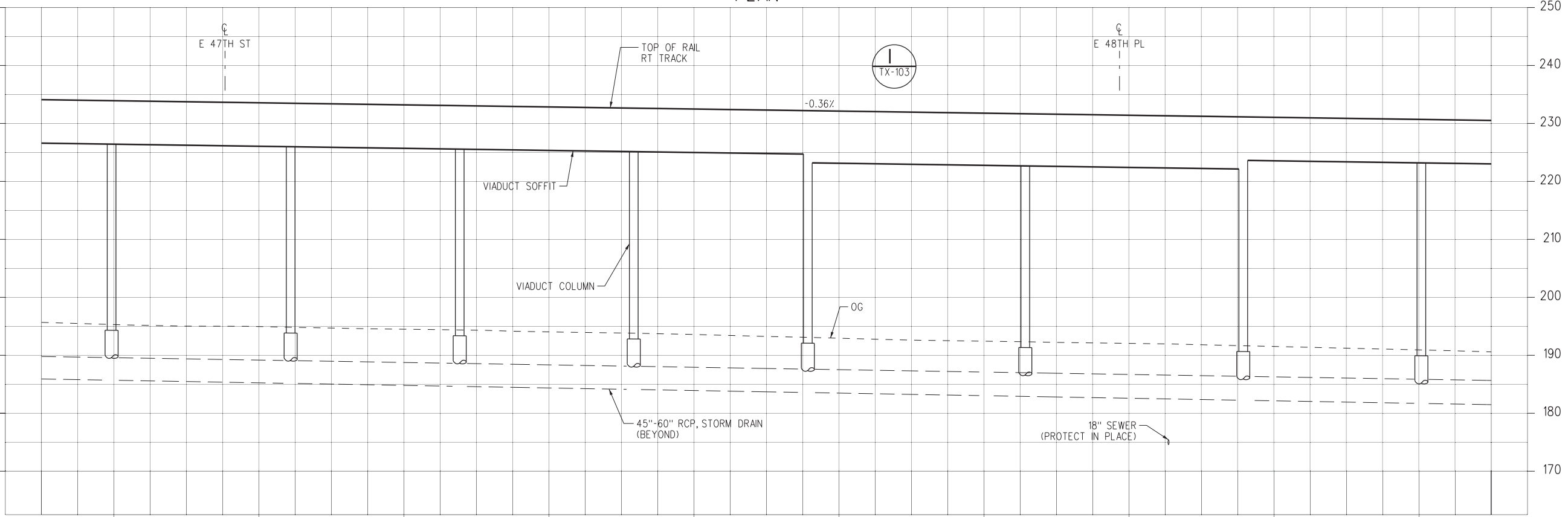
10-MAY-2021 B-28091A1T122.plg
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 Plot Driver=MTA-half.pen



LT - 0114
 R = 24986'
 Ls = 100'
 Ee = 0.25"
 Eu = 0.13"
 V = 50 MPH



- NOTES:
- SOUND WALL LOCATED ON EDGE OF VIADUCT
 - LONG BEACH AVE STRIPING PLANS TO BE PROVIDED IN FUTURE DESIGN PHASE.
 - CANTILEVER BENT TO PRESERVE TURNING LANE TO BE CONSIDERED IN FUTURE DESIGN PHASE PENDING COORDINATION WITH RAILROAD



FINAL REVISED ACE SUBMITTAL - 10/08/2020 NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT123.plg
wsppw04-pw-svc 20:47

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
DESIGNED BY	AM	DATE	10/8/2020	BY		DESCRIPTION
DRAWN BY	MF	REG. NO.		APP.		FINAL REVISED ACE SUBMITTAL
CHECKED BY	RL	EXPIRES		SEAL HOLDER		
IN CHARGE	NM					
DATE	10/8/2020					

DESIGNED BY	AM
DRAWN BY	MF
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

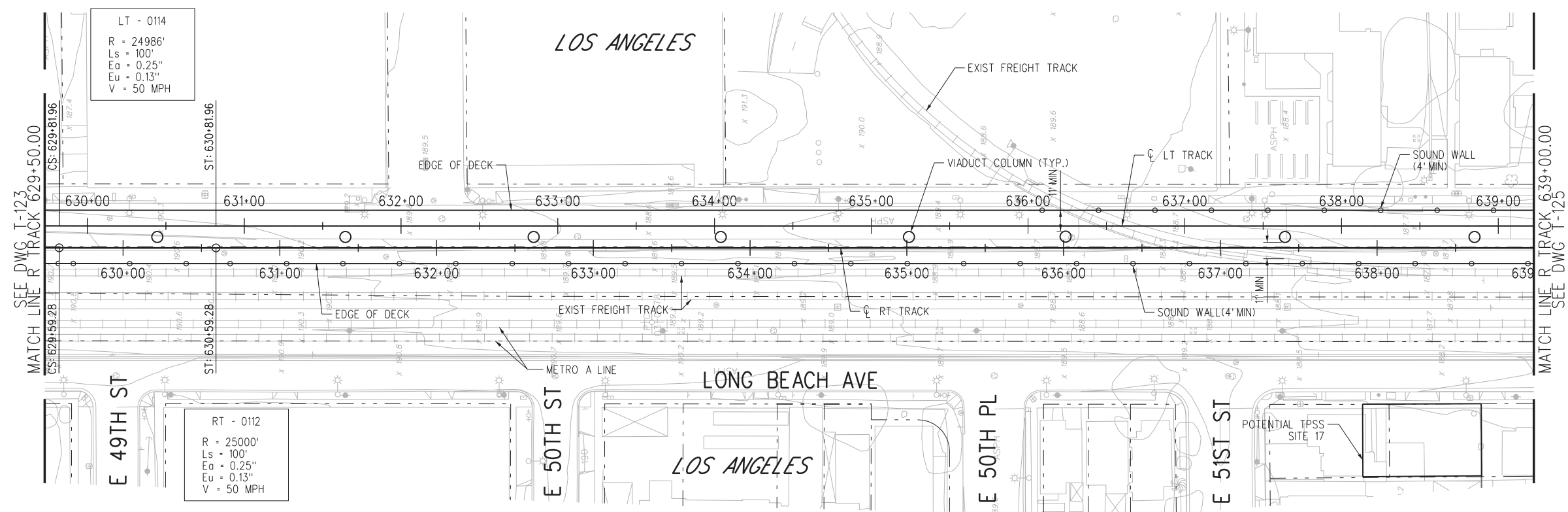
444 South Flower Street
Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

SUBMITTED _____
APPROVED _____

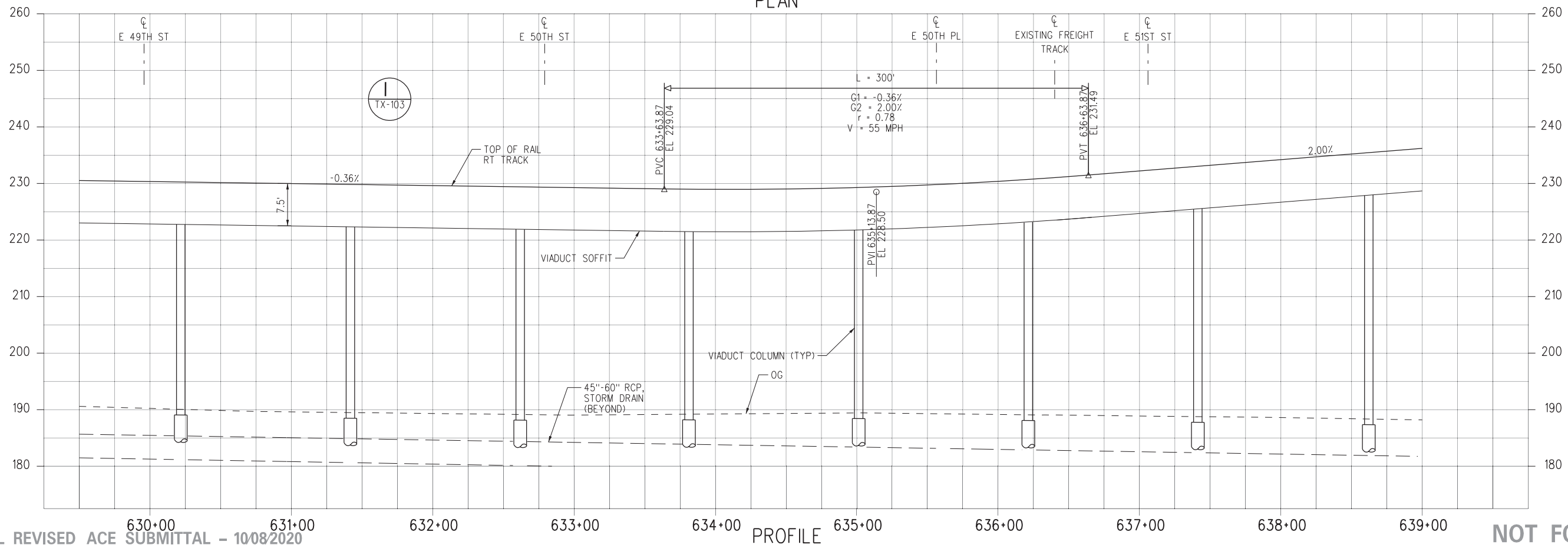
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE STA 619+50 TO STA 629+50	
CONTRACT NO. AE5999300	REV
DRAWING NO. T-123	
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO. 43	OF 154



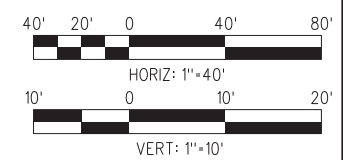
- NOTES:**
- SOUND WALL LOCATED ON EDGE OF VIADUCT
 - LONG BEACH AVE STRIPING PLANS TO BE PROVIDED IN FUTURE DESIGN PHASE.



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091A1124.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

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SUBMITTED _____

APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1 AND 2 PLAN & PROFILE

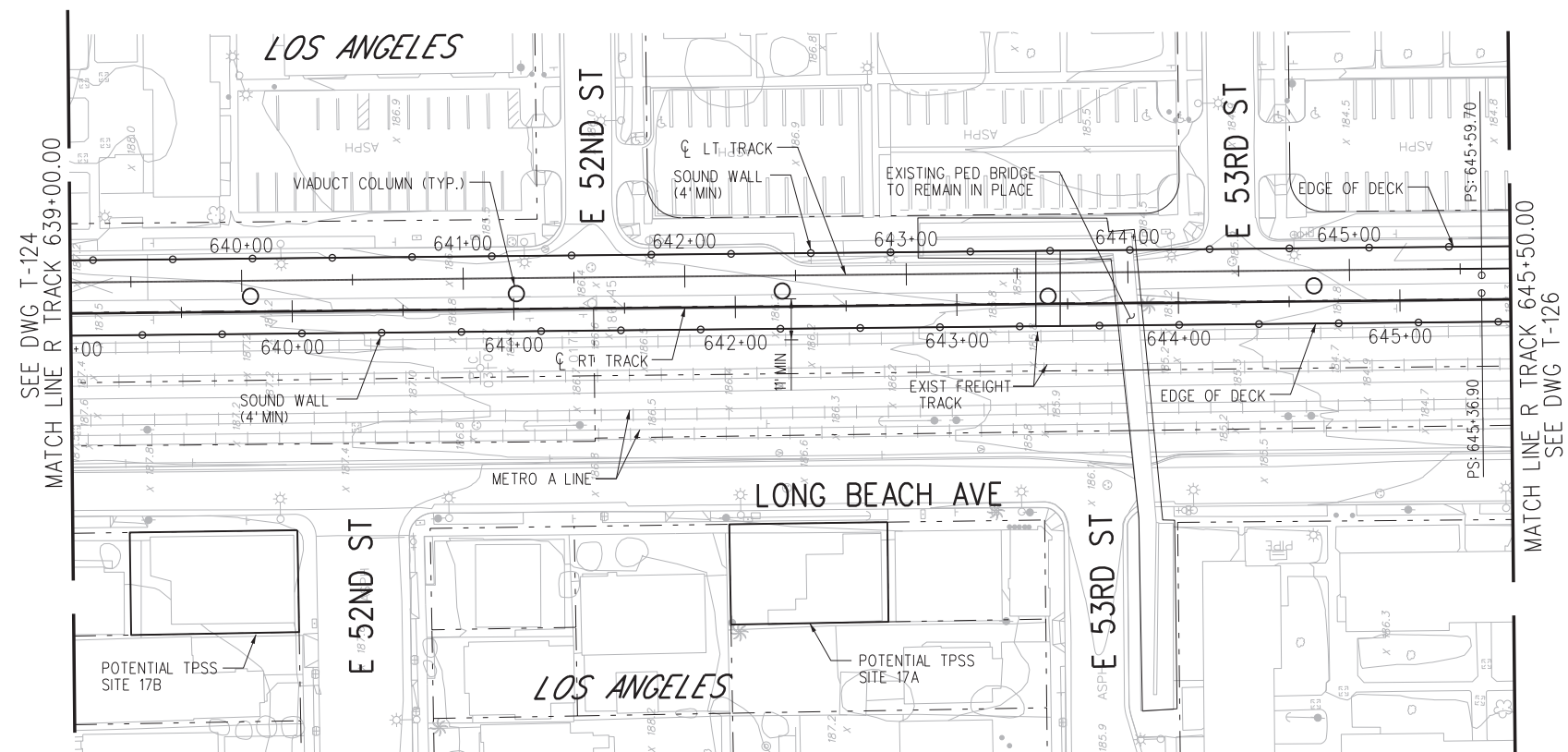
STA 629+50 TO STA 639+00

CONTRACT NO. AE5999300	
DRAWING NO. T-124	REV
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 44	OF 154

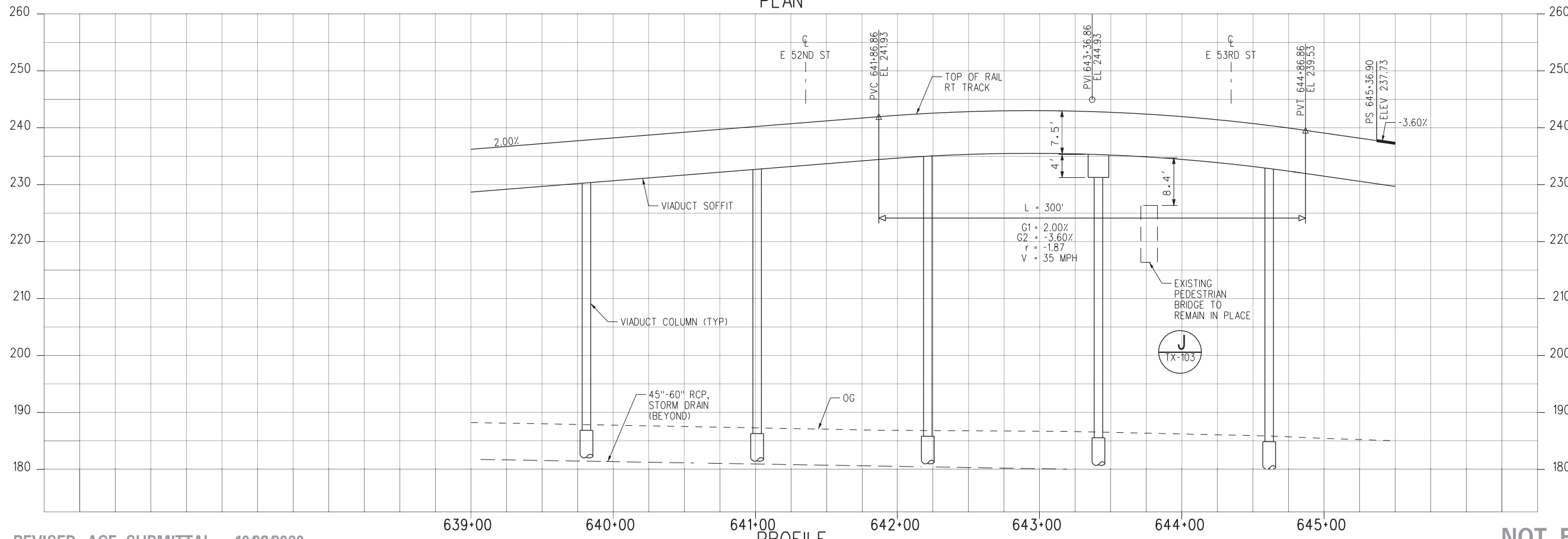


NOTES:

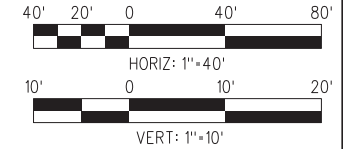
- ADDITIONAL FIELD SURVEY WILL BE NEEDED TO VERIFY THE HEIGHT OF THE EXISTING PEDESTRIAN BRIDGE.
- SOUND WALL LOCATED ON EDGE OF VIADUCT.



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091A1125.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



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Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

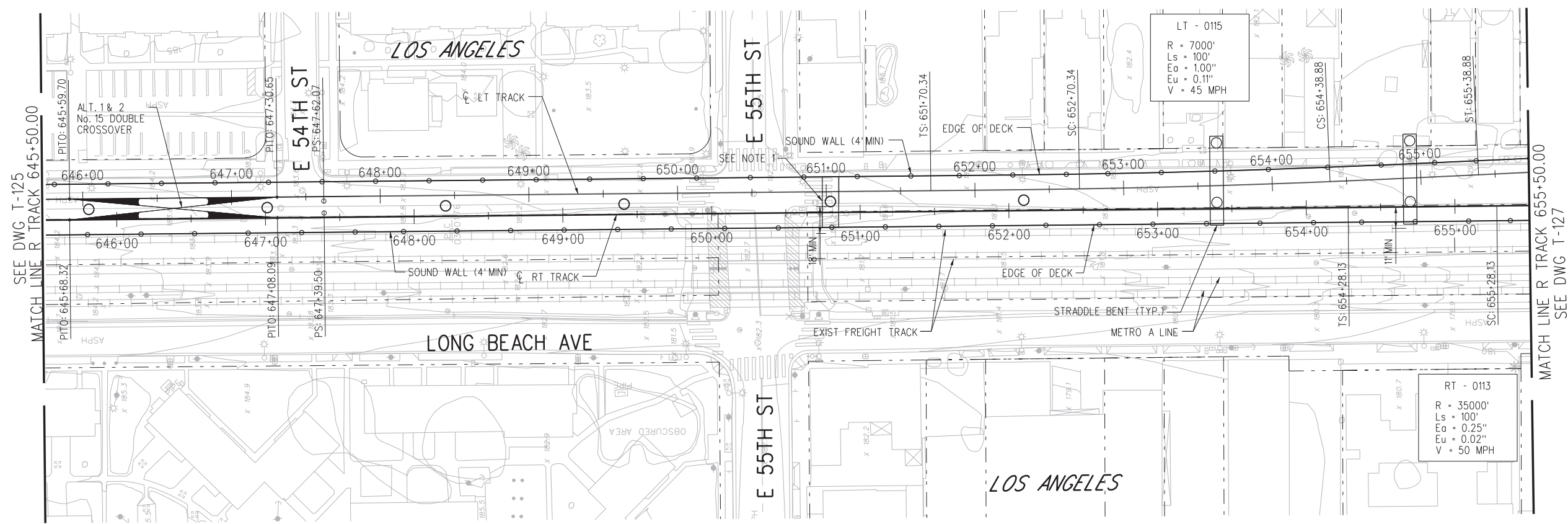
SUBMITTED	_____
APPROVED	_____

CONTRACT NO AE5999300	
DRAWING NO T-125	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO 45	OF 154

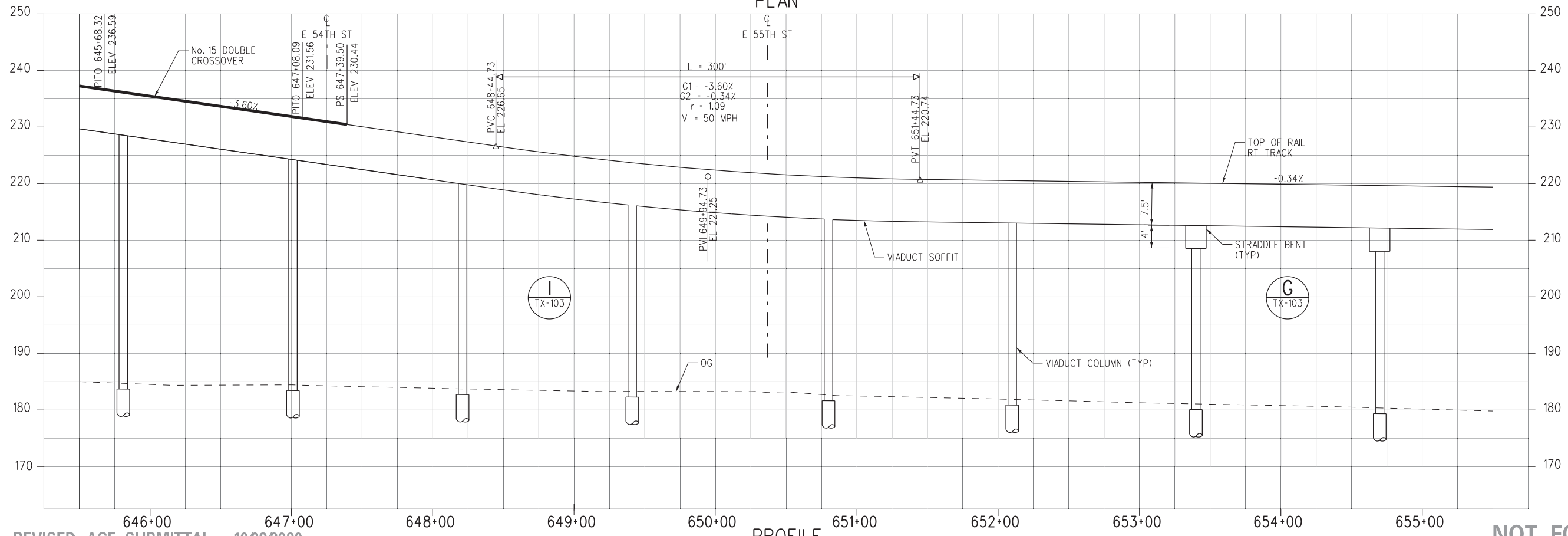
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1 AND 3 PLAN & PROFILE STA 639+00 TO STA 645+50



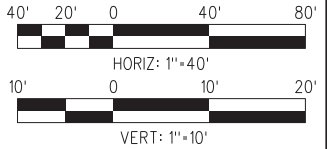
NOTES:
 1. CANTILEVER BENT TO PRESERVE TRAVEL LANE TO BE CONSIDERED IN FUTURE DESIGN PHASE PENDING COORDINATION WITH RAILROAD



PLAN



PROFILE



NOT FOR CONSTRUCTION

01-JUL-2021 B-28091AT126.plg

FINAL REVISED ACE SUBMITTAL - 10/8/2020

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0	10/8/2020	DRAWN BY MF
REV	DATE	CHECKED BY RL
	BY	IN CHARGE NM
	APP	DATE 10/8/2020
	REG NO.	
	EXPIRES	
	SEAL HOLDER	FINAL REVISED ACE SUBMITTAL
		DESCRIPTION

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

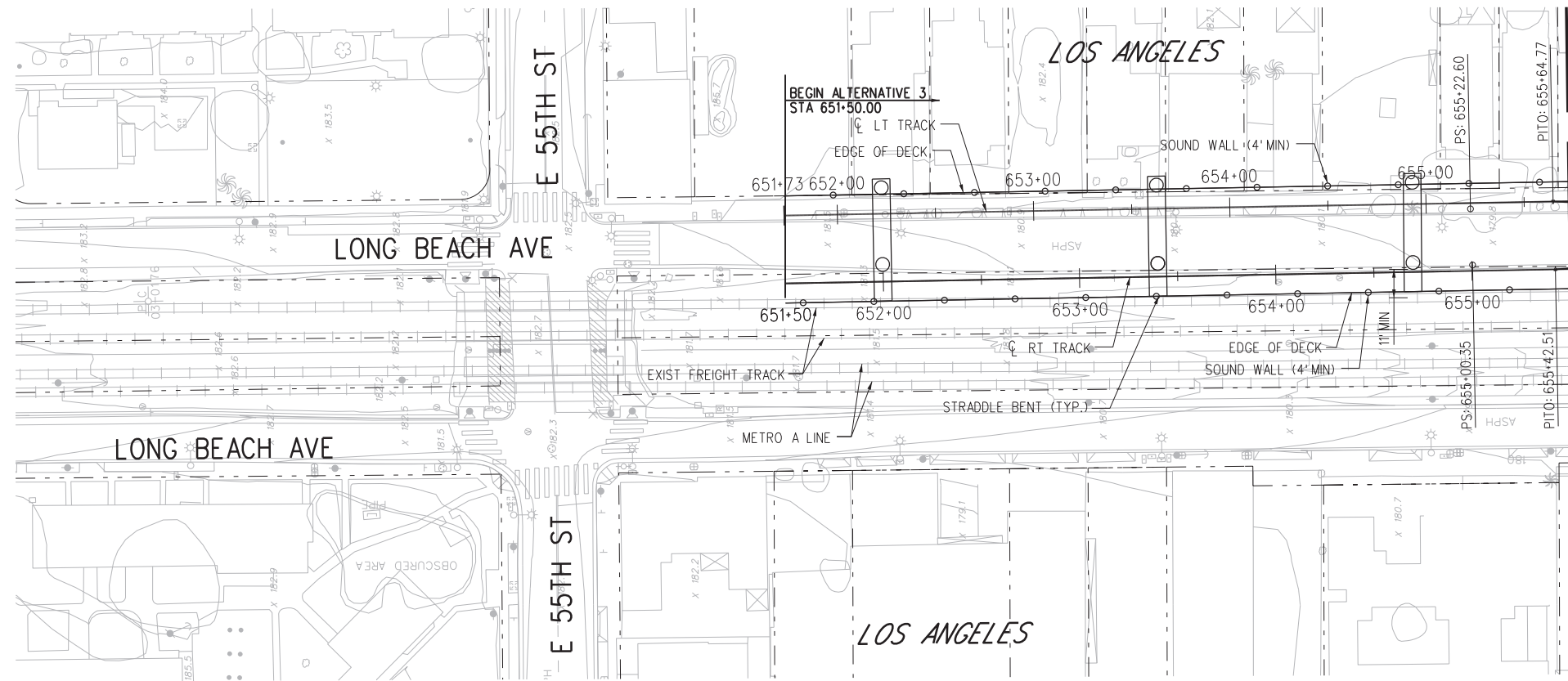
M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

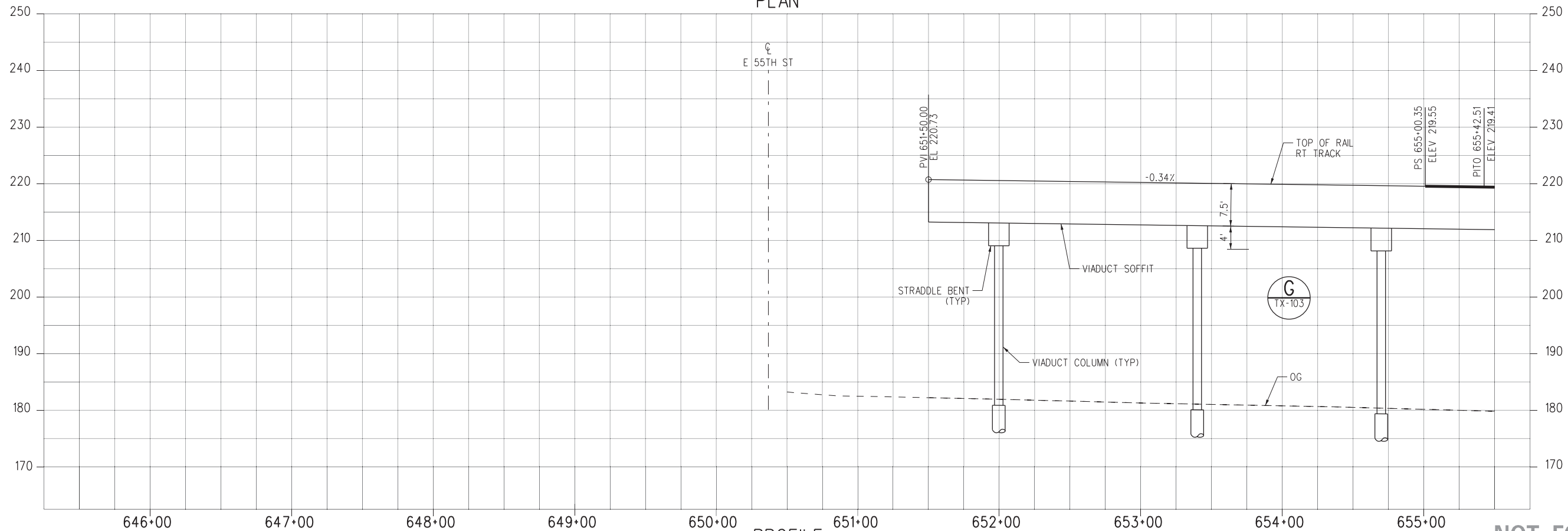
SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 645+50 TO STA 655+50

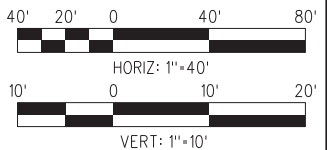
CONTRACT NO. **AE5999300**
 DRAWING NO. **T-126** REV _____
 SCALE **HORIZ: 1"=40' VERT: 1"=10'**
 SHEET NO. **46** OF **154**



PLAN



PROFILE



NOT FOR CONSTRUCTION

01-JUL-2021 B-28091A126B.plg

wspw04-pw-svc 05:11

FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street
Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

SUBMITTED _____

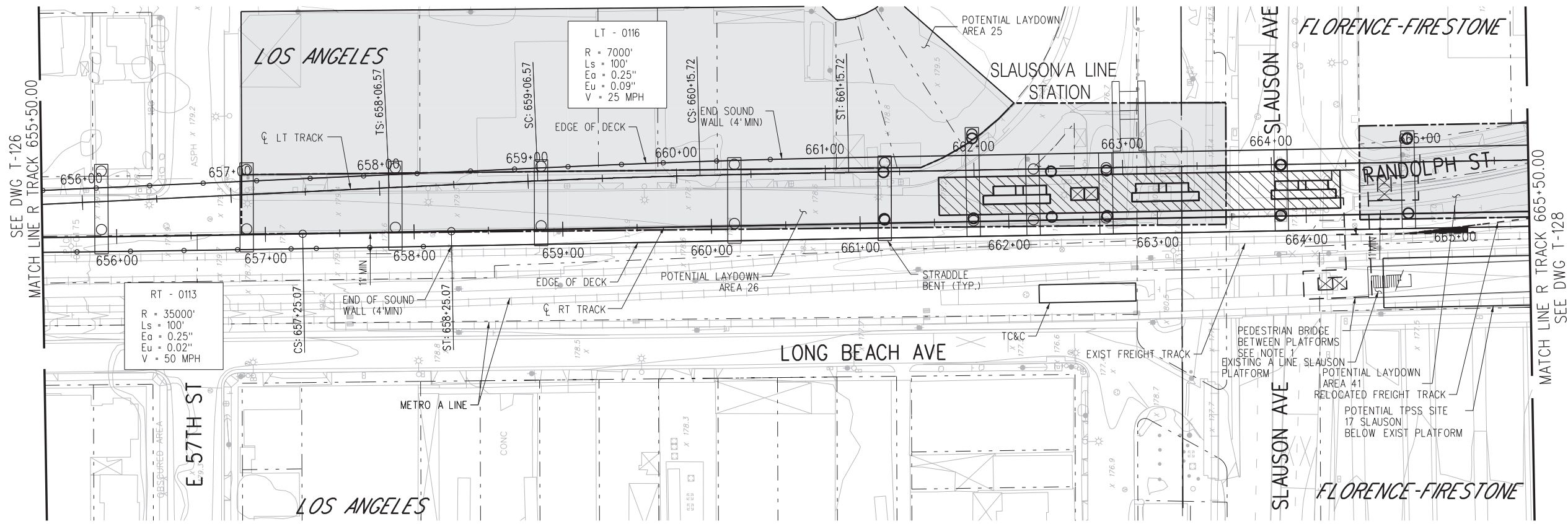
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 3 PLAN & PROFILE STA 645+50 TO STA 655+50

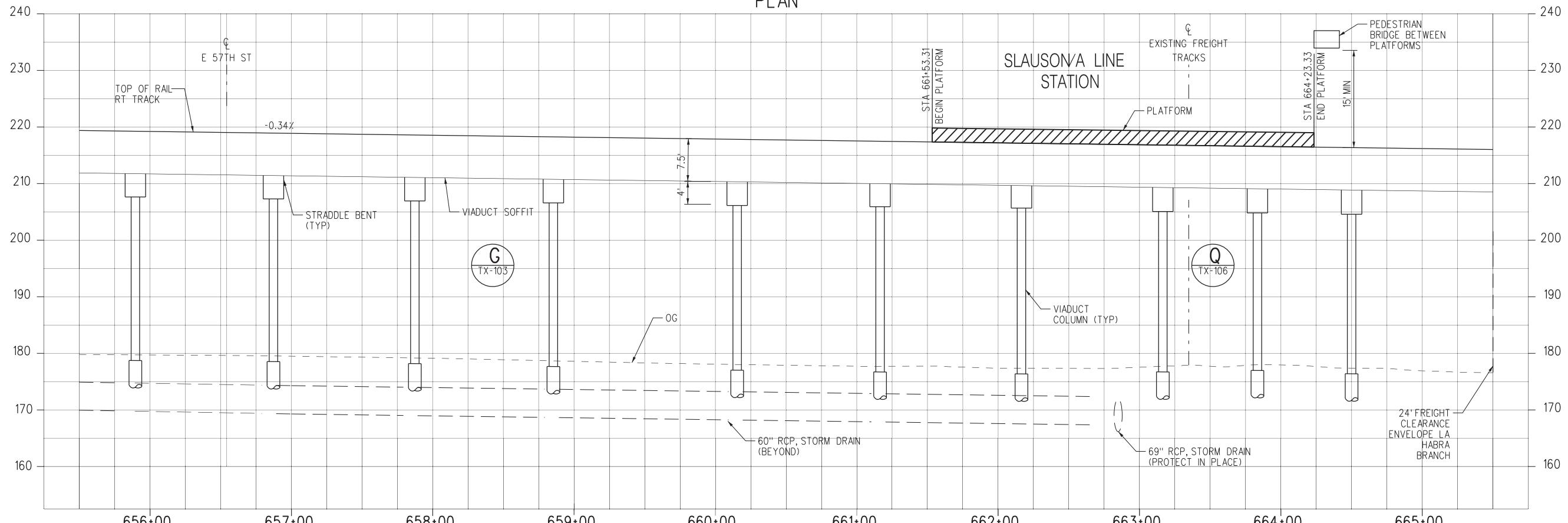
CONTRACT NO. AE5999300	REV
DRAWING NO. T-126B	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 47 OF 154	



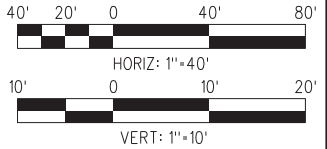
- NOTES:**
1. FOR PEDESTRIAN OVERCROSSING BETWEEN WSAB & A LINE, REFER TO STATION DRAWING.
 2. EXISTING UTILITY LINE TO BE RELOCATED AS NECESSARY, REFER TO UTILITY PLANS.



PLAN



PROFILE



NOT FOR CONSTRUCTION

FINAL REVISED ACE SUBMITTAL - 10/8/2020

DESIGNED BY AM	DATE 10/8/2020	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION FINAL REVISED ACE SUBMITTAL
DRAWN BY MF							
CHECKED BY RL							
IN CHARGE NM							
DATE 10/8/2020							

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro
Los Angeles County Metropolitan Transportation Authority

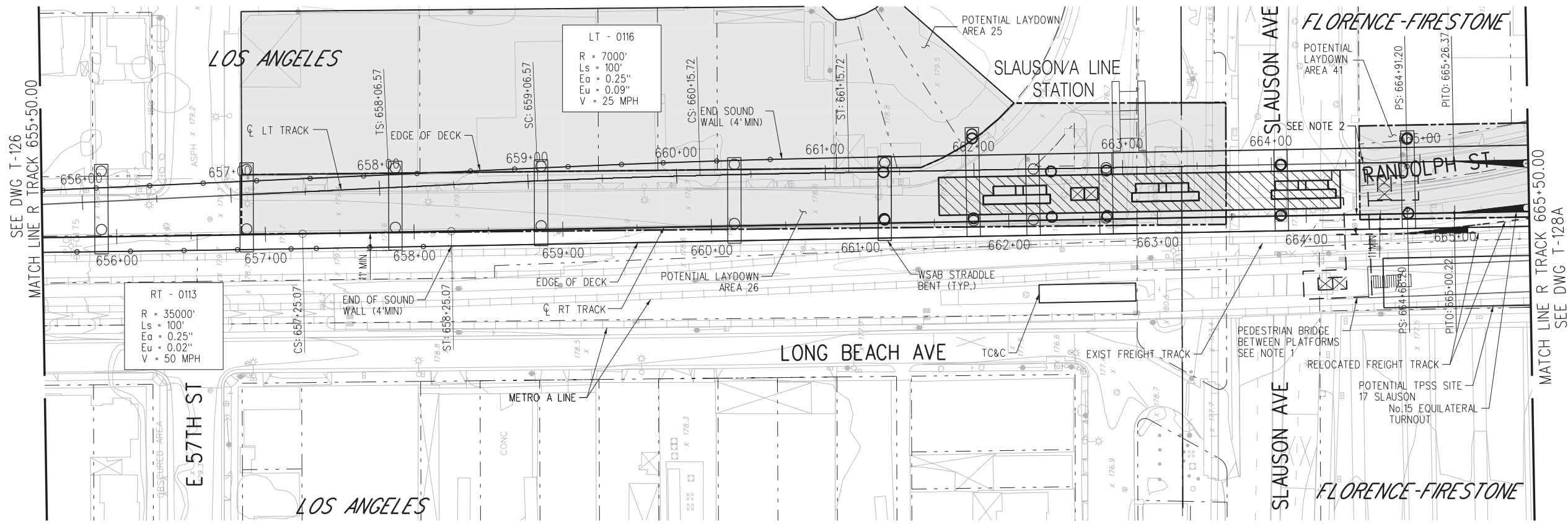
wsp 444 South Flower Street
 Suite 800
 Los Angeles, CA 90071
 TEL (213) 362-9470

SUBMITTED _____
 APPROVED _____

**WEST SANTA ANA BRANCH LRT
 TRACK ALIGNMENT
 ALTERNATIVE 1
 PLAN & PROFILE
 STA 655+50 TO STA 665+50**

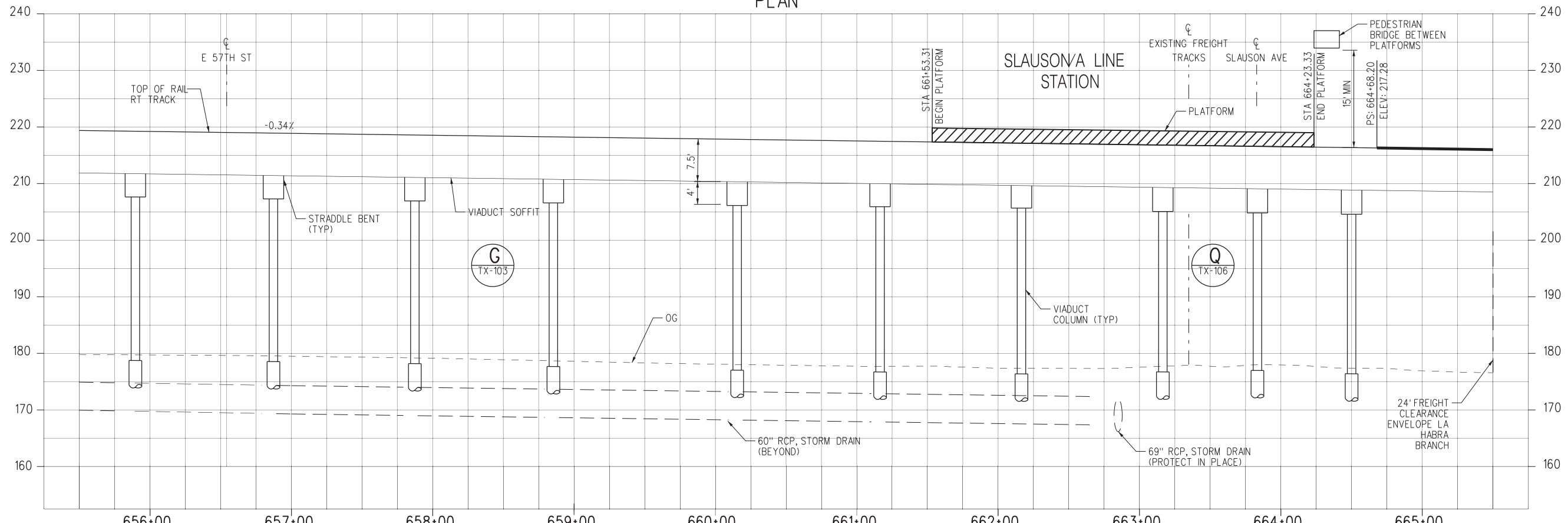
CONTRACT NO. AE5999300	REV
DRAWING NO. T-127	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 48	OF 154

01-JUL-2021 B-28091A1127.plg

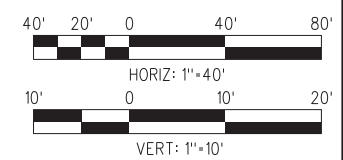


- NOTES:**
1. FOR PEDESTRIAN OVERCROSSING BETWEEN WSAB & A LINE REFER TO STATION DRAWING
 2. METRO DESIGN DEVIATION REQUIRED. SECTION 4 STATES MINIMUM TANGENT LENGTH BETWEEN PLATFORM AND POINT OF SWITCH SHALL BE 50'.
 3. EXISTING UTILITY LINE TO BE RELOCATED AS NECESSARY, REFER TO UTILITY PLANS.

PLAN



PROFILE



NOT FOR CONSTRUCTION

01-JUL-2021 B-28091A127A.plg

FINAL REVISED ACE SUBMITTAL - 10/8/2020

DESIGNED BY AM		DRAWN BY MF		CHECKED BY RL		IN CHARGE NM		DATE 10/8/2020	
REV		DATE		BY		APP		REG NO.	
0		10/8/2020						FINAL REVISED ACE SUBMITTAL	
REV		DATE		BY		APP		REG NO.	
								EXPIRES	
								SEAL HOLDER	
								DESCRIPTION	

DESIGNED BY AM	DRAWN BY MF	CHECKED BY RL	IN CHARGE NM	DATE 10/8/2020
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M Metro
wsp 444 South Flower Street
 Suite 800
 Los Angeles, CA 90071
 TEL (213) 362-9470

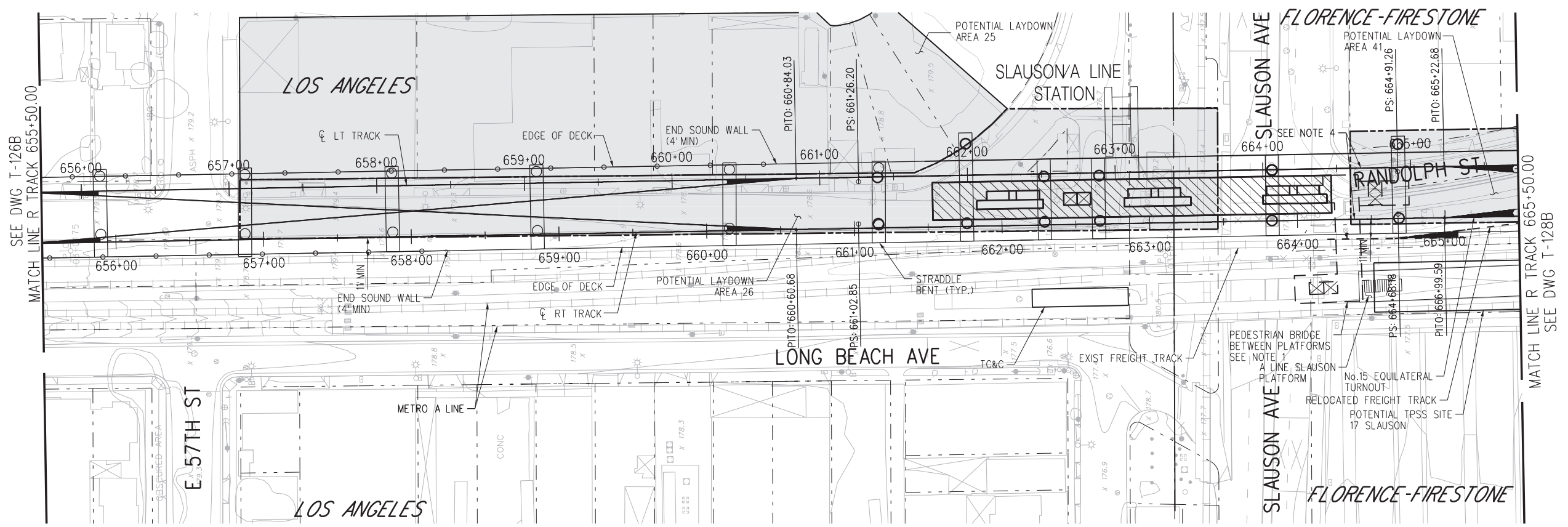
SUBMITTED _____
 APPROVED _____

**WEST SANTA ANA BRANCH LRT
 TRACK ALIGNMENT
 ALTERNATIVE 2
 PLAN & PROFILE
 STA 655+50 TO STA 665+50**

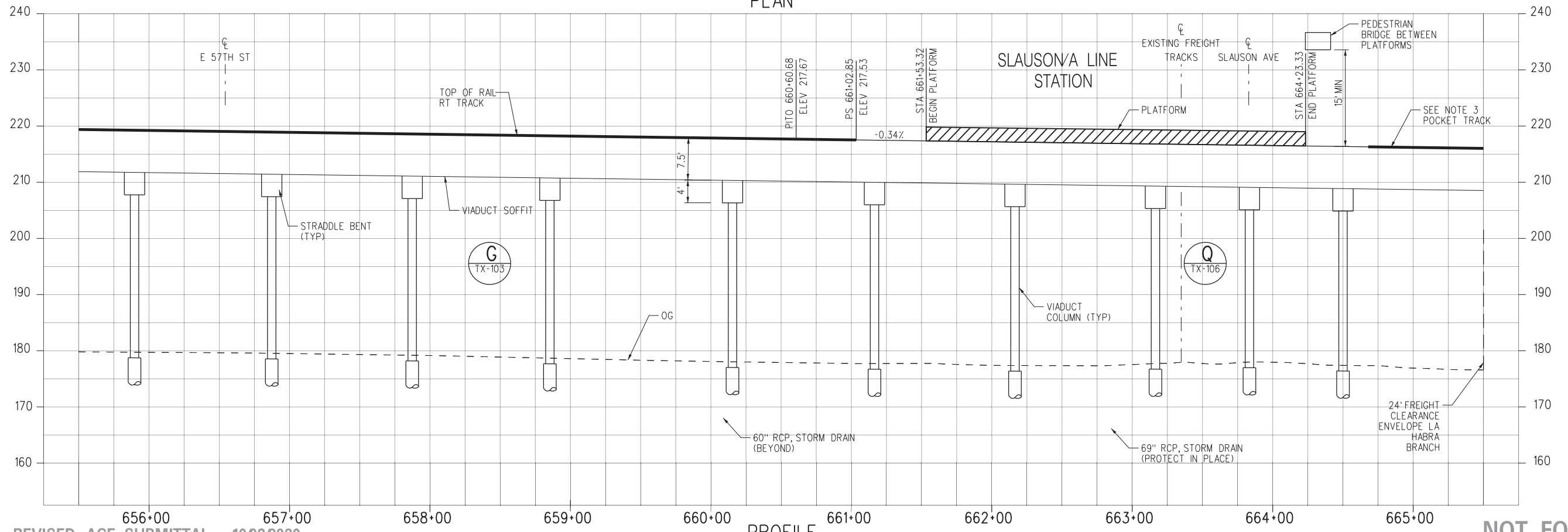
CONTRACT NO. AE5999300	REV
DRAWING NO. T-127A	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 49 OF 154	



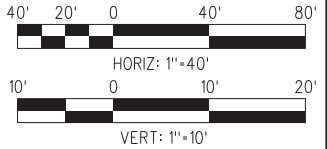
- NOTES:**
- FOR PEDESTRIAN OVERCROSSING BETWEEN WSAB & A LINE, REFER TO STATION DRAWING.
 - EXISTING UTILITY LINE TO BE RELOCATED AS NECESSARY, REFER TO UTILITY PLANS.
 - POCKET TRACK INTENDED FOR USE IF PROJECT IS EXTENDED TO DOWNTOWN LA.
 - METRO DESIGN DEVIATION REQUIRED. SECTION 4 STATES MINIMUM TANGENT LENGTH BETWEEN PLATFORM AND POINT OF SWITCH SHALL BE 50'.



PLAN



PROFILE



NOT FOR CONSTRUCTION

FINAL REVISED ACE SUBMITTAL - 10/8/2020

DESIGNED BY AM	DATE 10/8/2020	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION FINAL REVISED ACE SUBMITTAL
DRAWN BY MF							
CHECKED BY RL							
IN CHARGE NM							
DATE 10/8/2020							

M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

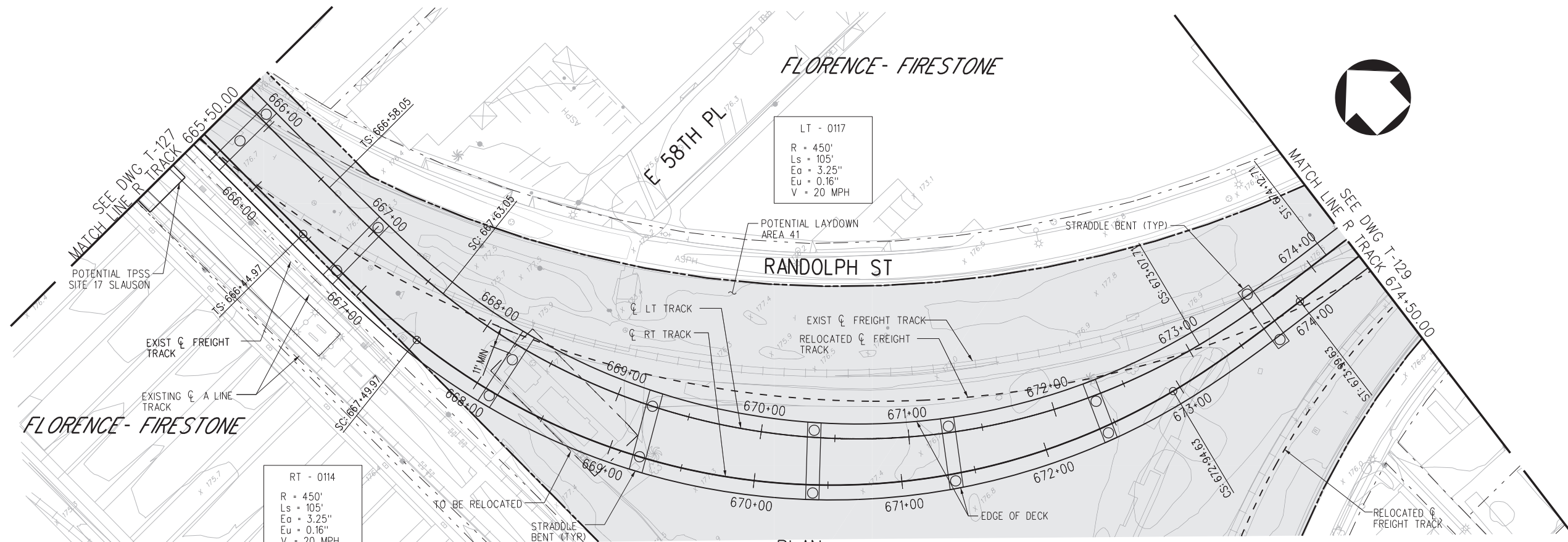
SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 3 PLAN & PROFILE STA 655+50 TO STA 665+50

CONTRACT NO. **AE5999300**
 DRAWING NO. **T-127B** REV _____
 SCALE **HOR: 1"=40' VERT: 1"=10'**
 SHEET NO. **50 OF 154**

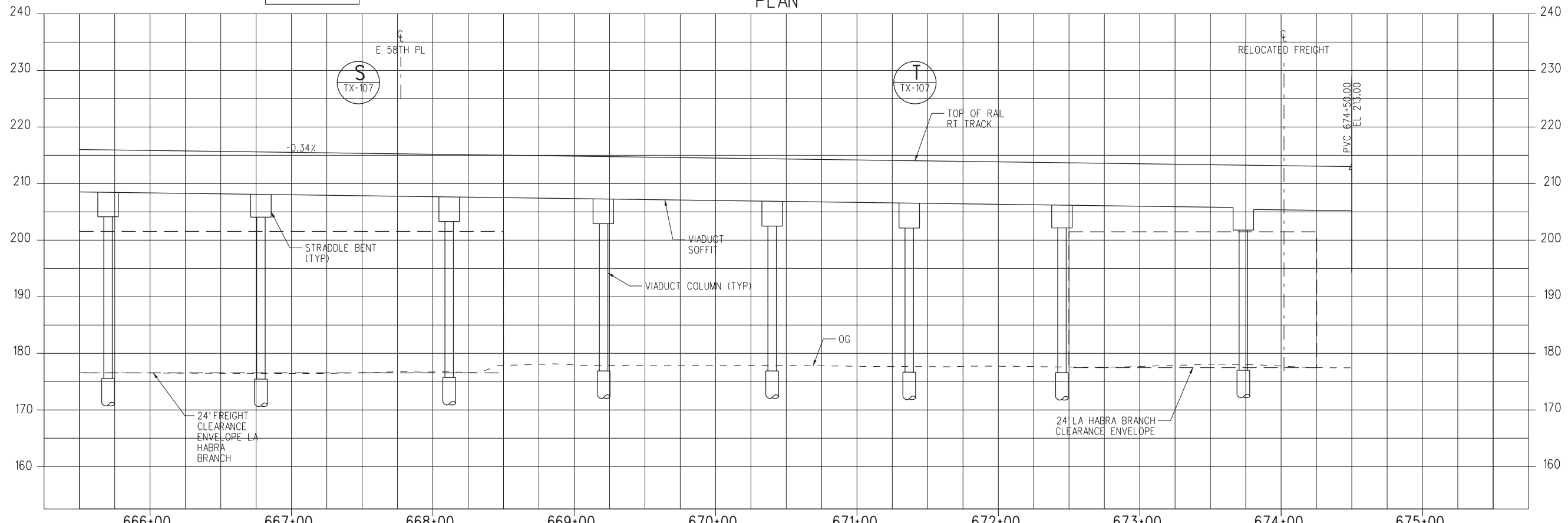
01-JUL-2021 B-28091A1127B.plg

FLORENCE - FIRESTONE



- NOTES:**
- VIADUCT CONFIGURATION TO BE OPTIMIZED DURING FUTURE DESIGN PHASE.
 - EXISTING UTILITY LINE TO BE RELOCATED AS NECESSARY, REFER TO UTILITY PLANS.

PLAN



PROFILE

NOT FOR CONSTRUCTION

FINAL REVISED ACE SUBMITTAL - 10/08/2020

DESIGNED BY AM	DATE 10/8/2020	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION FINAL REVISED ACE SUBMITTAL
DRAWN BY MF							
CHECKED BY RL							
IN CHARGE NM							
DATE 10/8/2020							

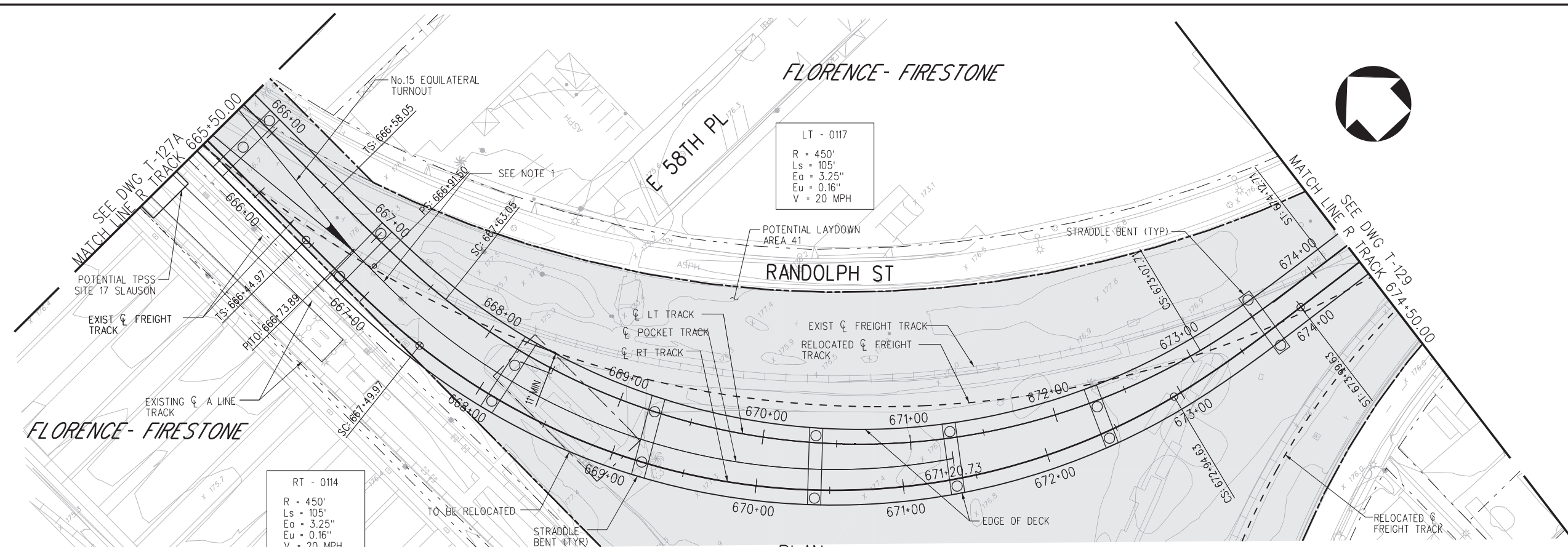
<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>
<p>444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470</p>
SUBMITTED _____ APPROVED _____

CONTRACT NO. AE5999300
DRAWING NO. T-128
SCALE HORIZ: 1"=40' VERT: 1"=10'
SHEET NO. 51 OF 154

WEST SANTA ANA BRANCH LRT
TRACK ALIGNMENT
ALTERNATIVE 1 AND 3
PLAN & PROFILE
STA 665+50 OT STA 674+50

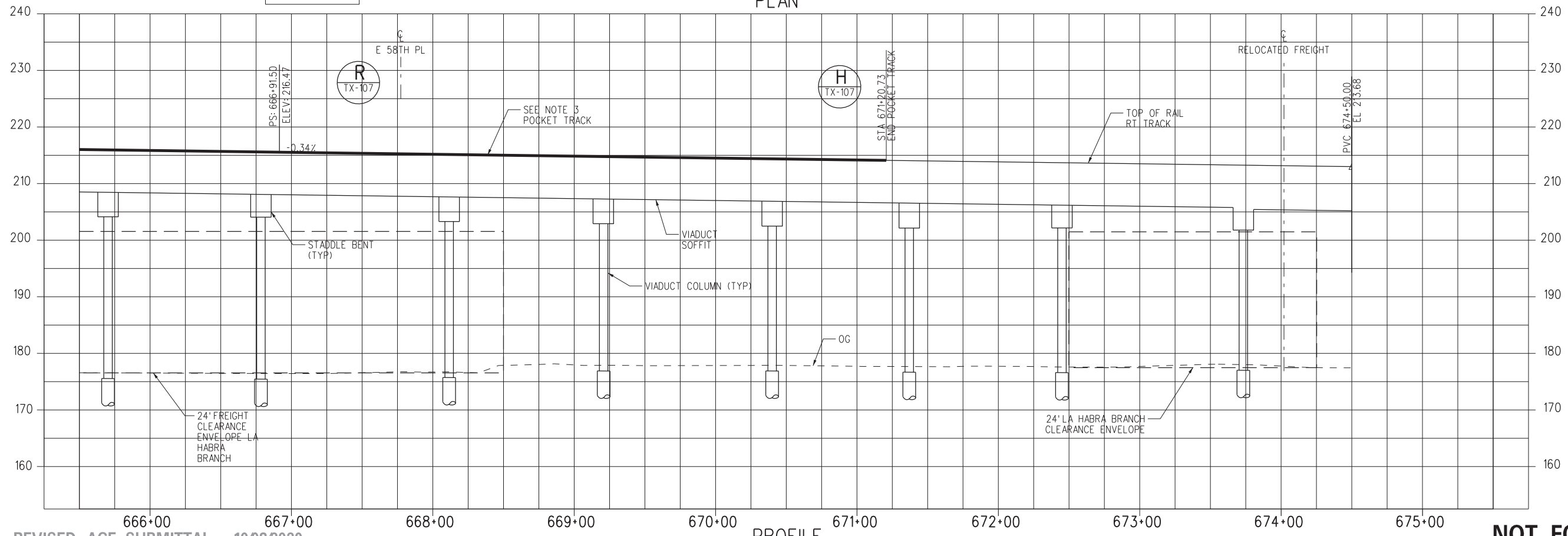
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01-JUL-2021 B-28091A1128A.plg
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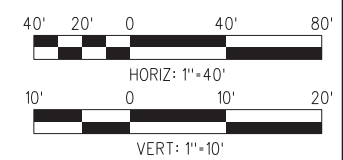


- NOTES:**
- METRO DESIGN DEVIATION REQUIRED. SECTION 4 STATES MINIMUM TANGENT LENGTH BETWEEN POINT OF SWITCH AND BEGINNING OF HORIZONTAL OR VERTICAL CURVE SHALL BE 50'.
 - EXISTING UTILITY LINE TO BE RELOCATED AS NECESSARY, REFER TO UTILITY PLANS.
 - POCKET TRACK INTENDED FOR USE IF PROJECT IS EXTENDED NORTH TO DOWNTOWN LA.
 - VIADUCT CONFIGURATION TO BE OPTIMIZED DURING FUTURE DESIGN PHASE.

PLAN



PROFILE



FINAL REVISED ACE SUBMITTAL - 10/08/2020

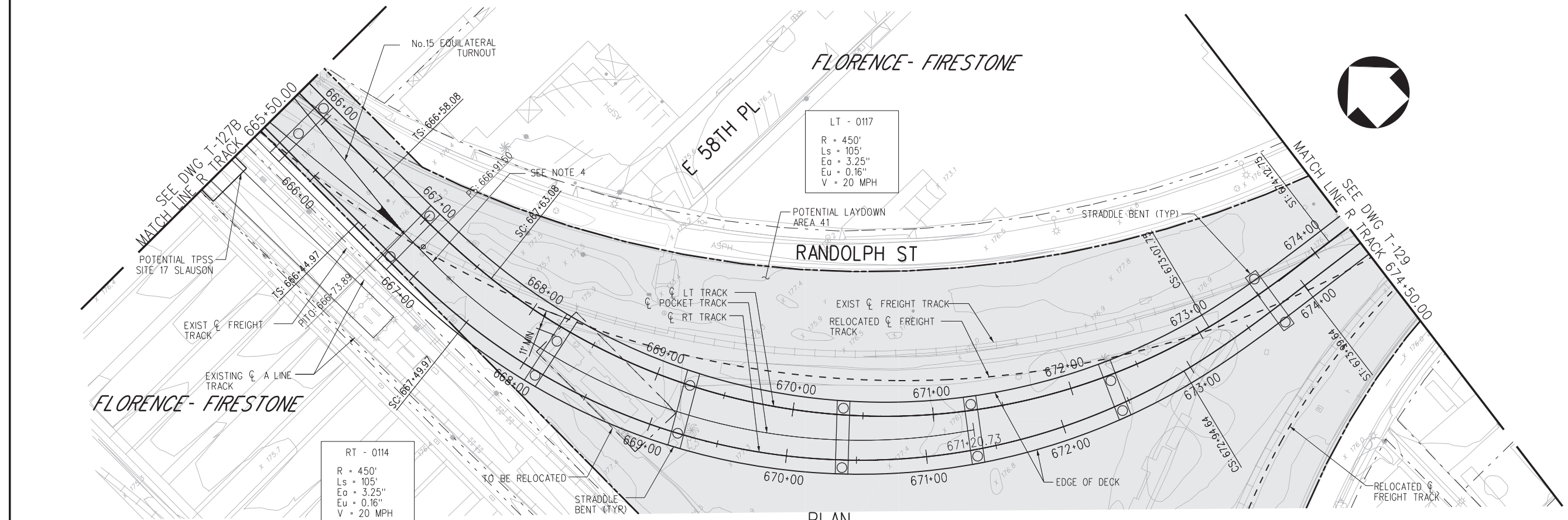
NOT FOR CONSTRUCTION

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY AM	 	CONTRACT NO. AE5999300
0	10/8/2020	DRAWN BY MF		DRAWING NO. T-128A
REV	DATE	CHECKED BY RL		SCALE HOR: 1"=40' VERT: 1"=10'
BY	APP	IN CHARGE NM		SHEET NO. 52 OF 154
REG NO.	EXPIRES	DATE 10/8/2020		
SEAL HOLDER	DESCRIPTION			

DESIGNED BY AM	LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY
DRAWN BY MF	
CHECKED BY RL	
IN CHARGE NM	
DATE 10/8/2020	

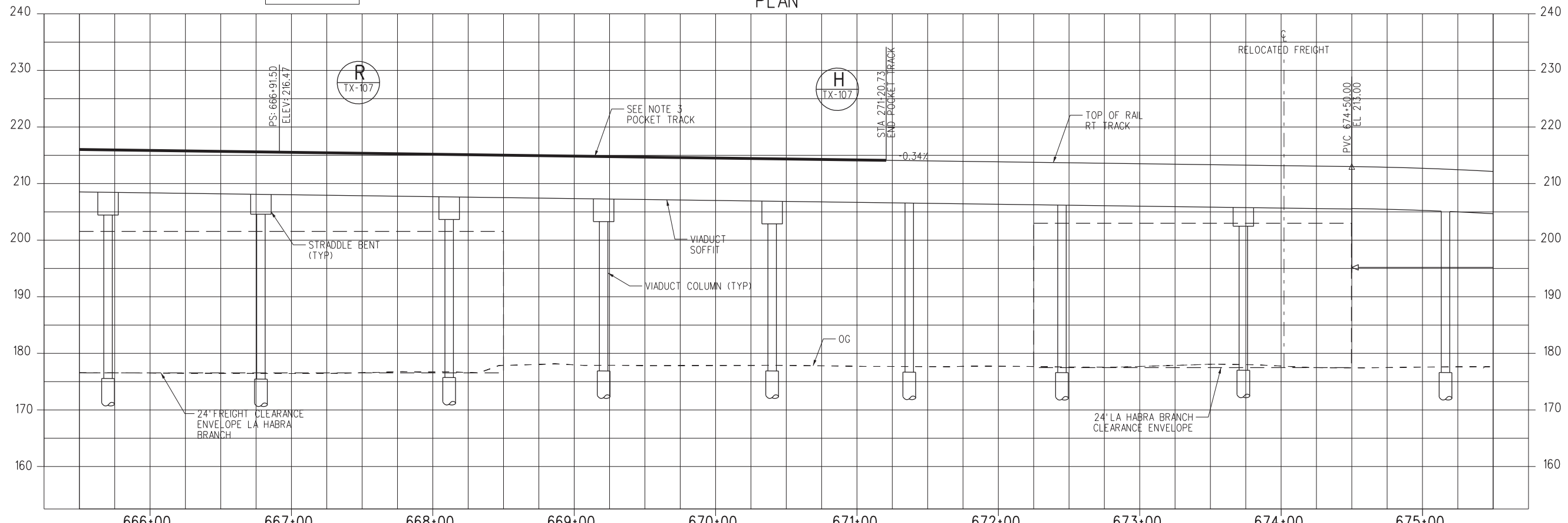
 	444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470	SUBMITTED _____ APPROVED _____
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WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 2 PLAN & PROFILE STA 665+50 OT STA 674+50	
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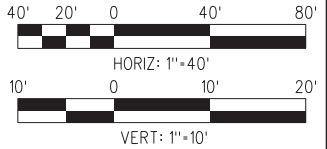


PLAN

- NOTES:**
- VIADUCT CONFIGURATION TO BE OPTIMIZED DURING FUTURE DESIGN PHASE.
 - EXISTING UTILITY LINE TO BE RELOCATED AS NECESSARY, REFER TO UTILITY PLANS.
 - POCKET TRACK INTENDED FOR USE IF PROJECT IS EXTENDED NORTH TO DOWNTOWN LA.
 - METRO DESIGN DEVIATION REQUIRED. SECTION 4 STATES MINIMUM TANGENT LENGTH BETWEEN POINT OF SWITCH AND BEGINNING OF HORIZONTAL CURVE SHALL BE 50'.



PROFILE



01-JUL-2021 B-28091A1128B.plg

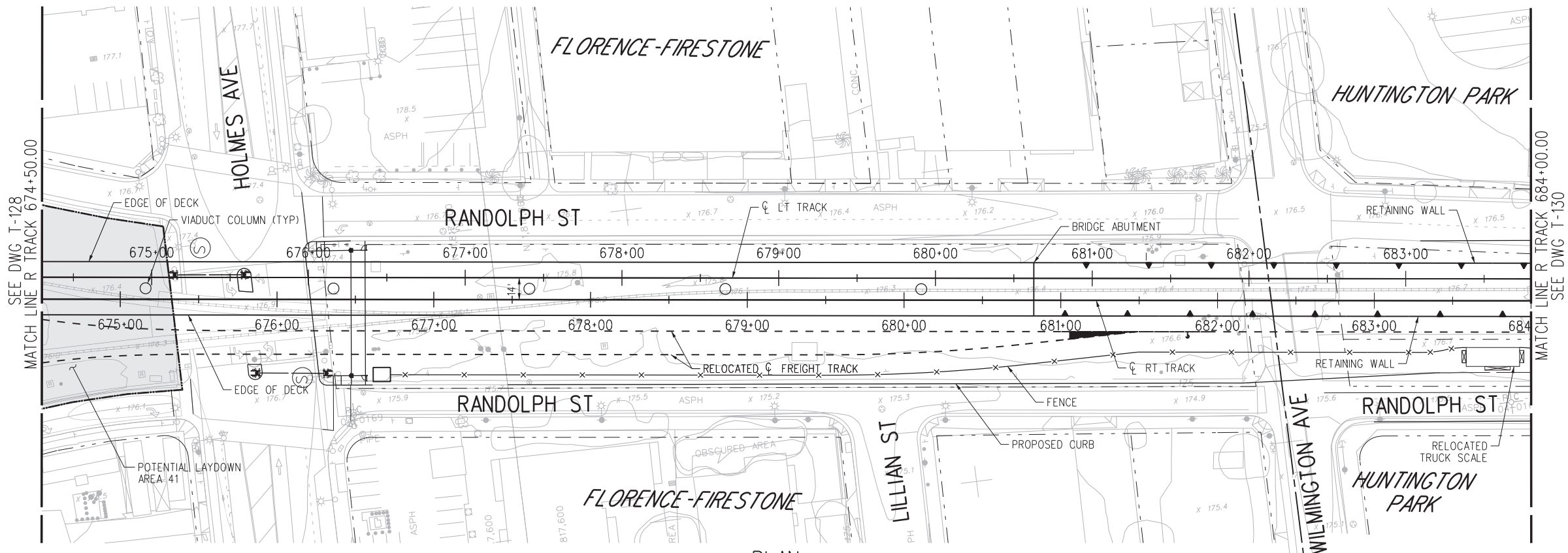
FINAL REVISED ACE SUBMITTAL - 10/08/2020

NOT FOR CONSTRUCTION

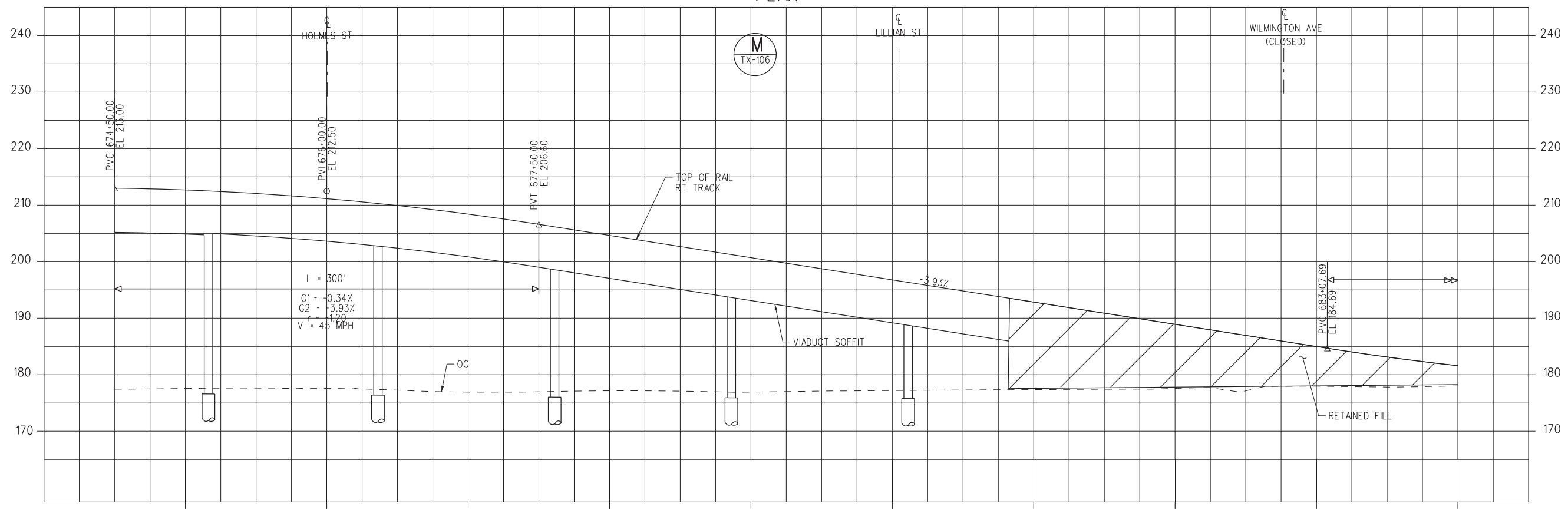
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY AM	 	LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470	CONTRACT NO. AE5999300	
0	10/8/2020	DRAWN BY MF			DRAWING NO. T-128B	REV
REV	DATE	CHECKED BY RL			SCALE HOR: 1"=40' VERT: 1"=10'	
		IN CHARGE NM			SHEET NO.	
		DATE 10/8/2020			53	OF 154

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
							FINAL REVISED ACE SUBMITTAL

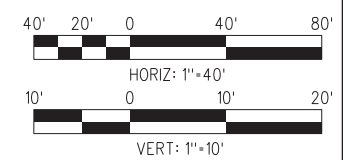
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 3 PLAN & PROFILE
 STA 665+50 OT STA 674+50



PLAN



PROFILE



NOT FOR CONSTRUCTION

01-JUL-2021 B-28091A1129.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
FINAL REVISED ACE SUBMITTAL						DESCRIPTION

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

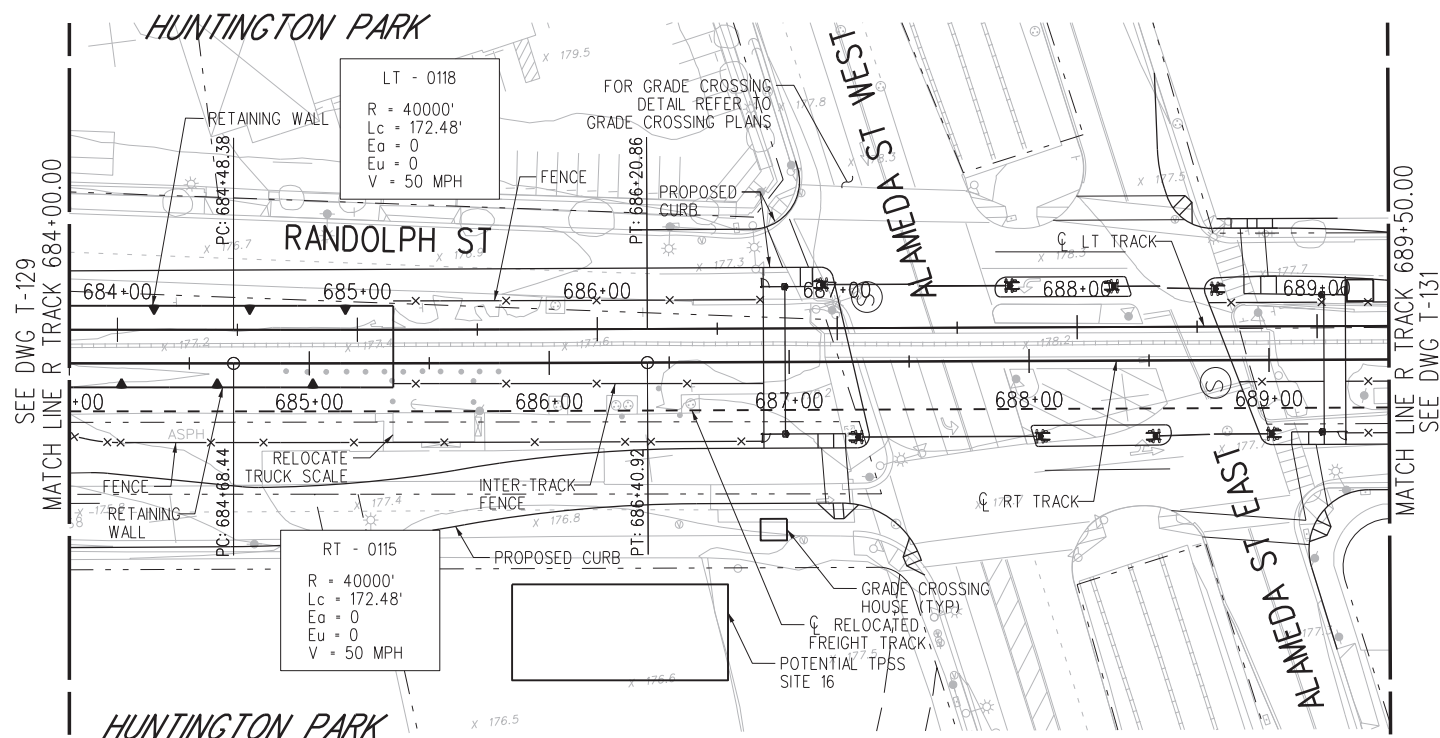
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

444 South Flower Street
 Suite 800
 Los Angeles, CA 90071
 TEL (213) 362-9470

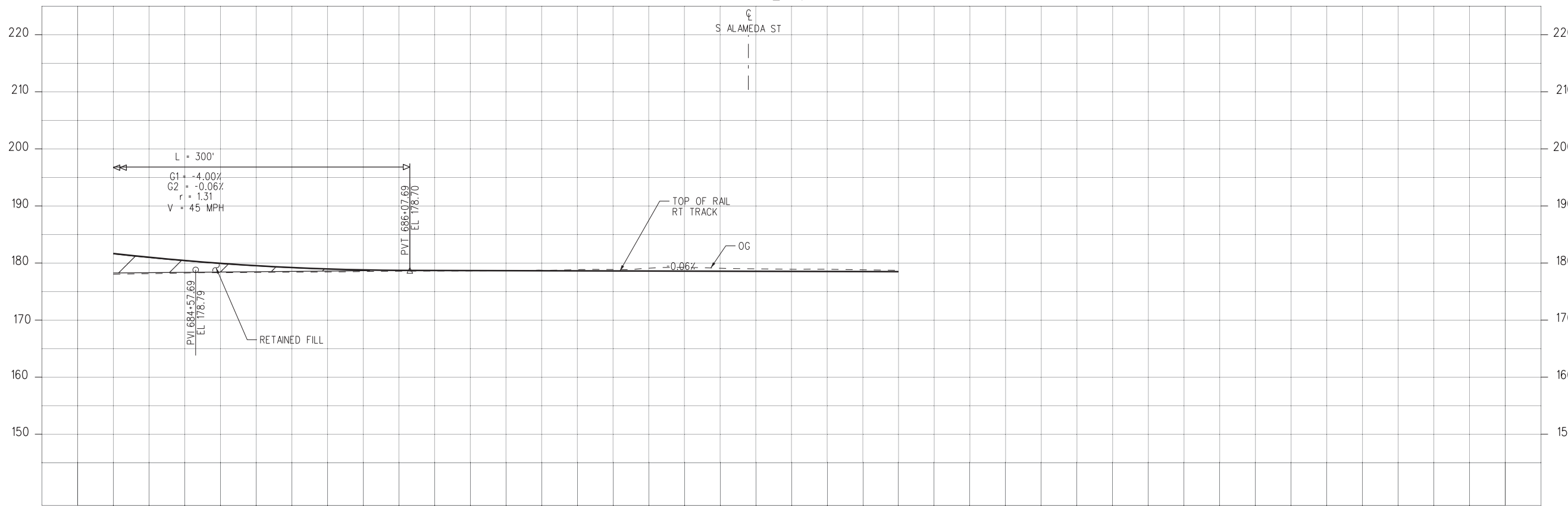
SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1 AND 3 PLAN & PROFILE
 STA 674+50 TO STA 684+00

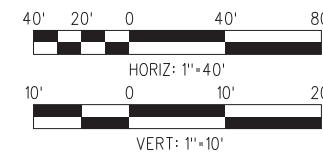
CONTRACT NO. AE5999300	
DRAWING NO. T-129	REV
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 54	OF 154



PLAN



PROFILE



FINAL REVISED ACE SUBMITTAL - 10/08/2020

NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT130.plg

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
DESIGNED BY	AM	DATE	10/8/2020	BY		DESCRIPTION
DRAWN BY	MF	APP		REG NO.		EXPRES
CHECKED BY	RL	SEAL HOLDER		EXPIRES		
IN CHARGE	NM					
DATE	10/8/2020					
FINAL REVISED ACE SUBMITTAL						

DESIGNED BY	AM
DRAWN BY	MF
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

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SUBMITTED _____

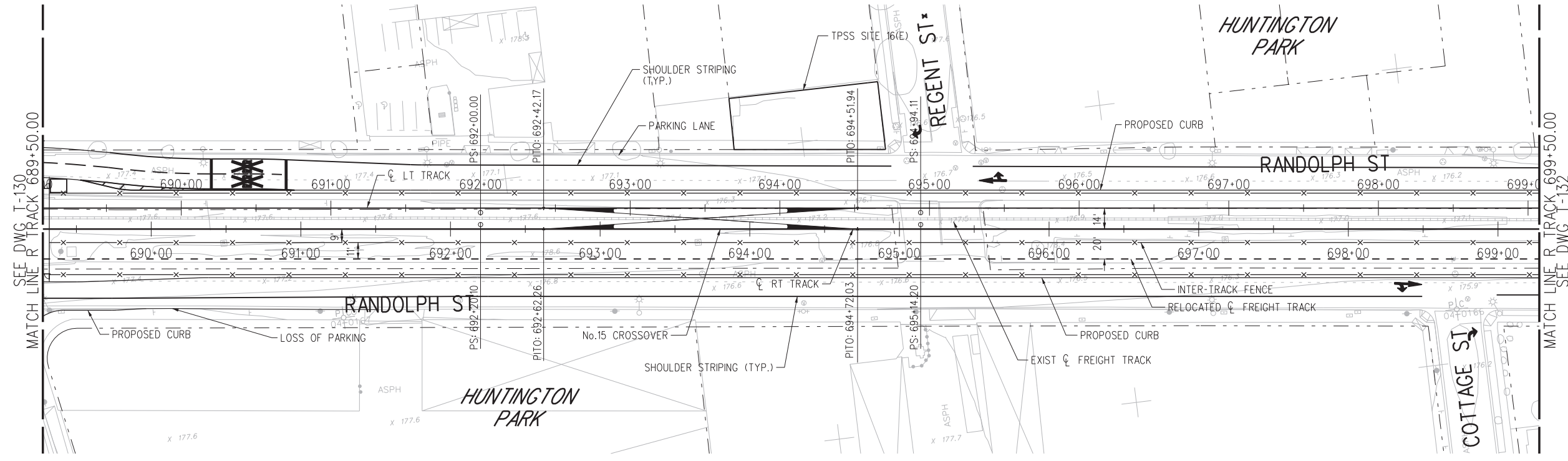
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 684+00 TO STA 689+50

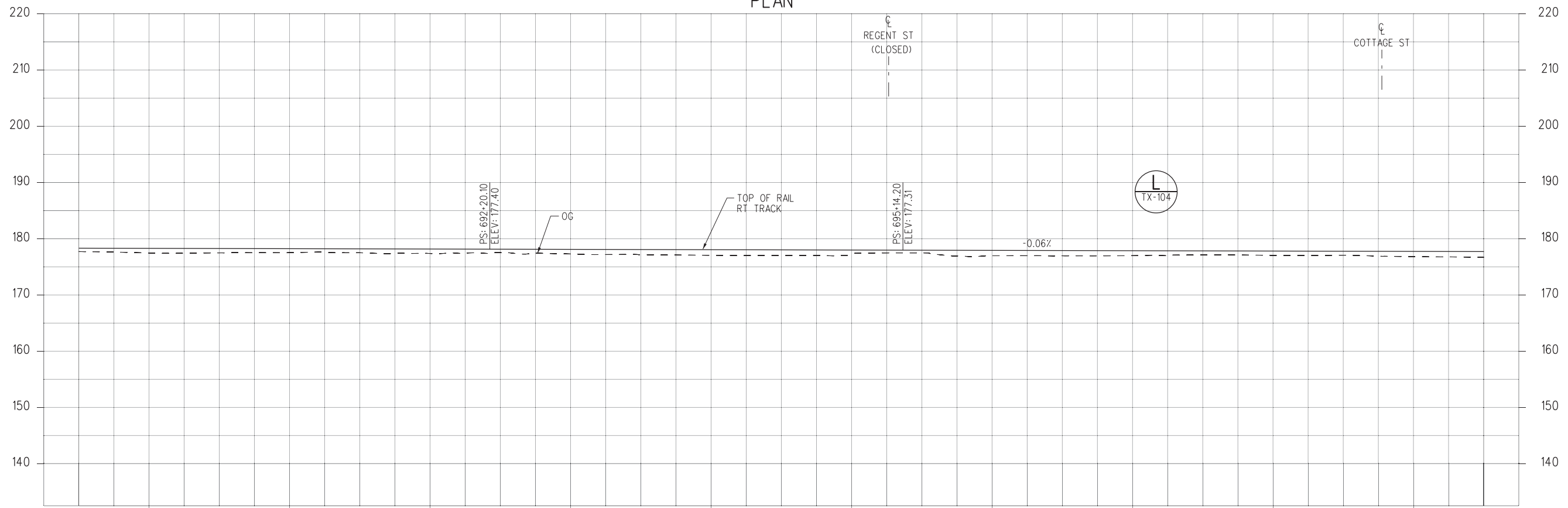
CONTRACT NO.	AE5999300
DRAWING NO.	T-130
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	55 OF 154



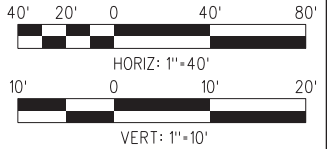
- NOTES:**
- RANDOLPH ST. NARROWED TO ONE LANE BETWEEN GRADE CROSSINGS IN ORDER TO MINIMIZE PARKING LOSS.
 - REGENT ST WILL BE A RIGHT IN RIGHT OUT



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT131.plt
wspw04-dw-svc 20:46

FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

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SUBMITTED _____

APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 689+50 TO STA 699+50

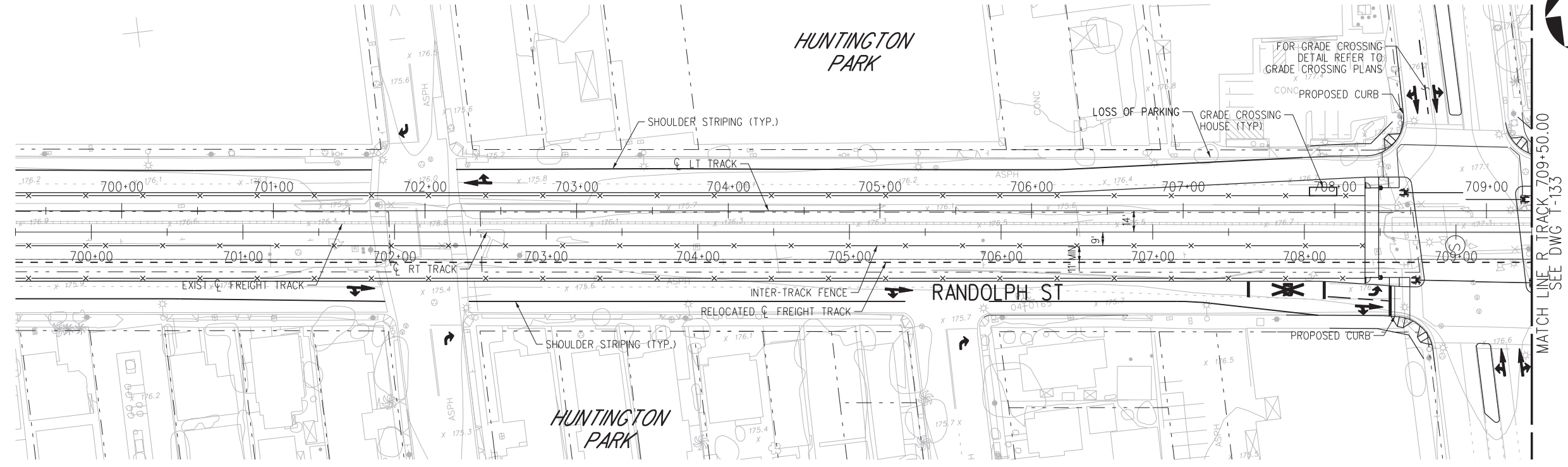
CONTRACT NO AE5999300	
DRAWING NO T-131	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO 56	OF 154



NOTES:

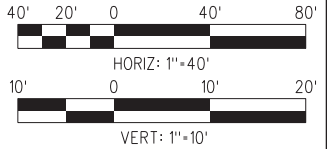
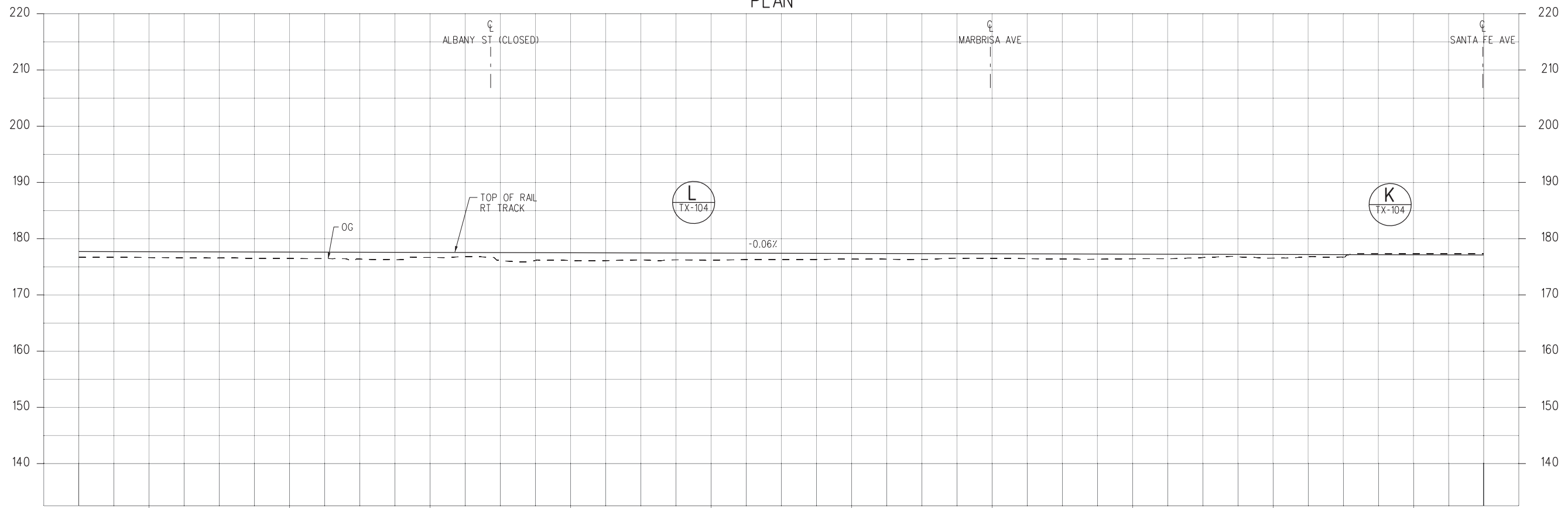
- 1. RANDOLPH ST. NARROWED TO ONE LANE MID-BLOCK BETWEEN GRADE CROSSINGS IN ORDER TO MAINTAIN EXISTING PARKING.
- * ALBANY ST WILL BE A RIGHT IN RIGHT OUT

SEE DWG T-131
MATCH LINE R TRACK 699+50.00



MATCH LINE R TRACK 709+50.00
SEE DWG T-133

PLAN



FINAL REVISED ACE SUBMITTAL - 10/08/2020

PROFILE

NOT FOR CONSTRUCTION

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REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
FINAL REVISED ACE SUBMITTAL						
DESCRIPTION						

DESIGNED BY	AM
DRAWN BY	MF
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

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LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____
 APPROVED _____

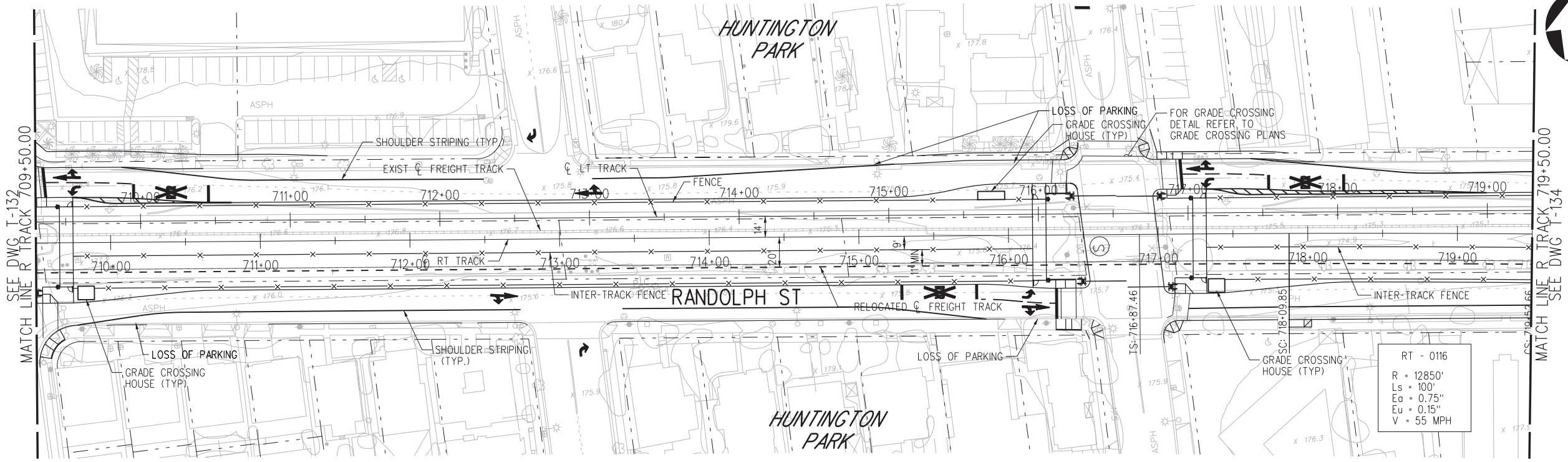
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 699+50 TO STA 709+50

CONTRACT NO. **AE5999300**
 DRAWING NO. **T-132** REV _____
 SCALE **HORIZ: 1"=40'**
VERT: 1"=10'
 SHEET NO. **57** OF **154**

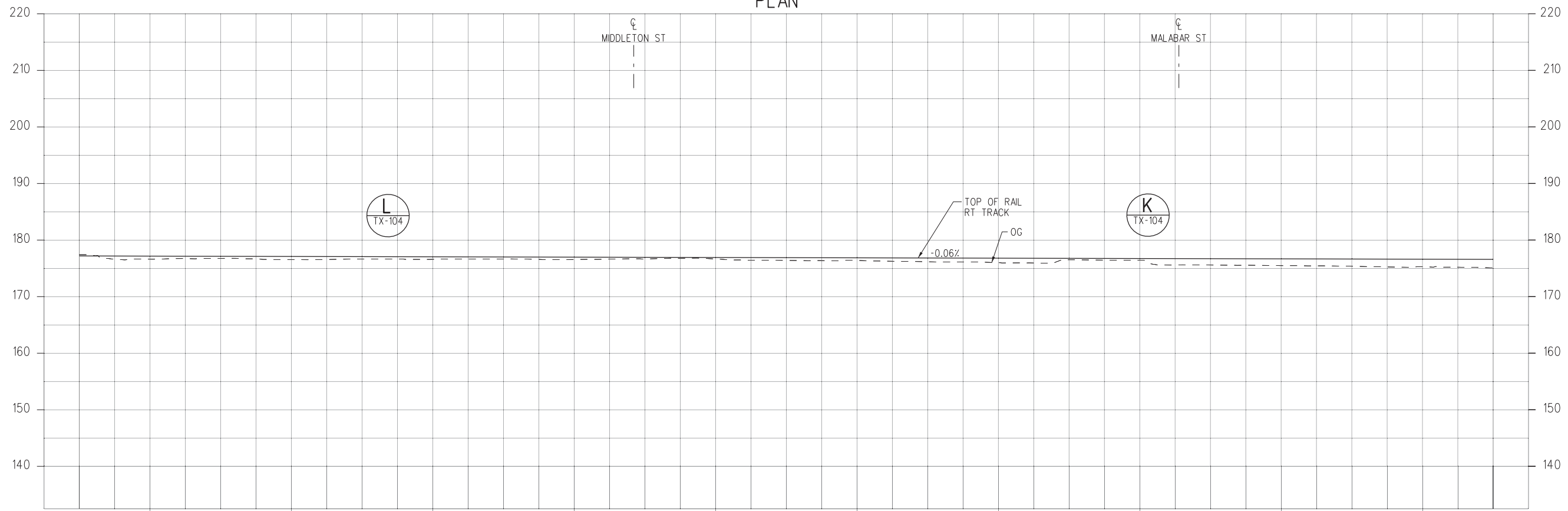
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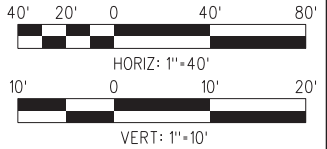
- NOTES:**
- RANDOLPH ST. NARROWED TO ONE LANE MID-BLOCK BETWEEN GRADE CROSSINGS IN ORDER TO MAINTAIN EXISTING PARKING.



PLAN



PROFILE




NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT133.plg
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Plot Driver=MTA-half.pen


FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



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Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

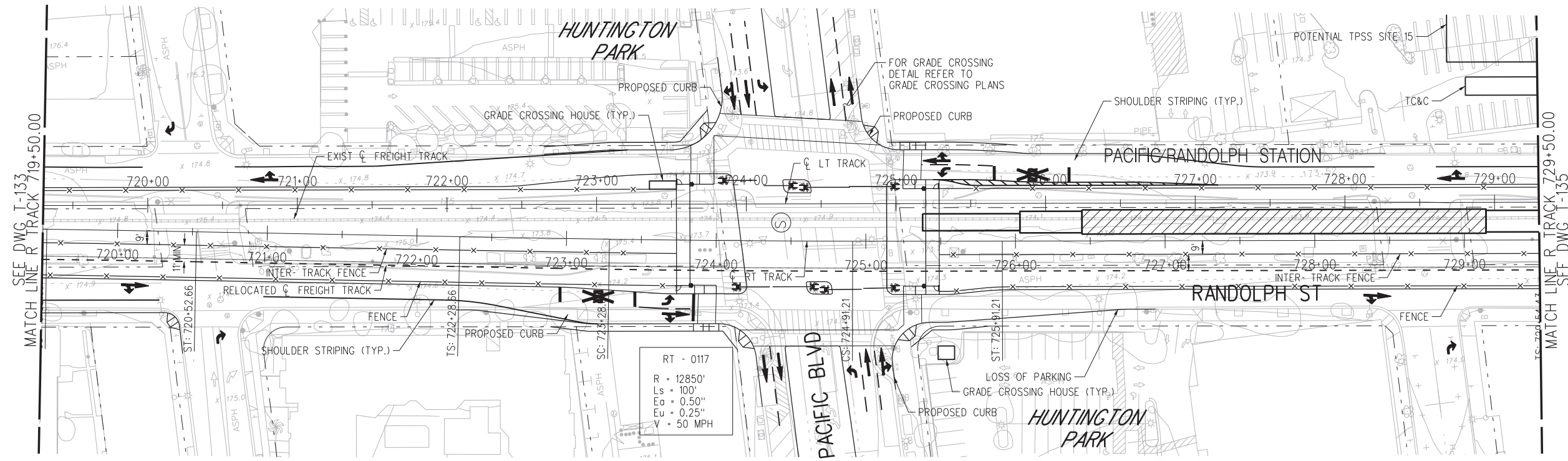
SUBMITTED _____
APPROVED _____

CONTRACT NO AE5999300	
DRAWING NO T-133	REV
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO 58	OF 154

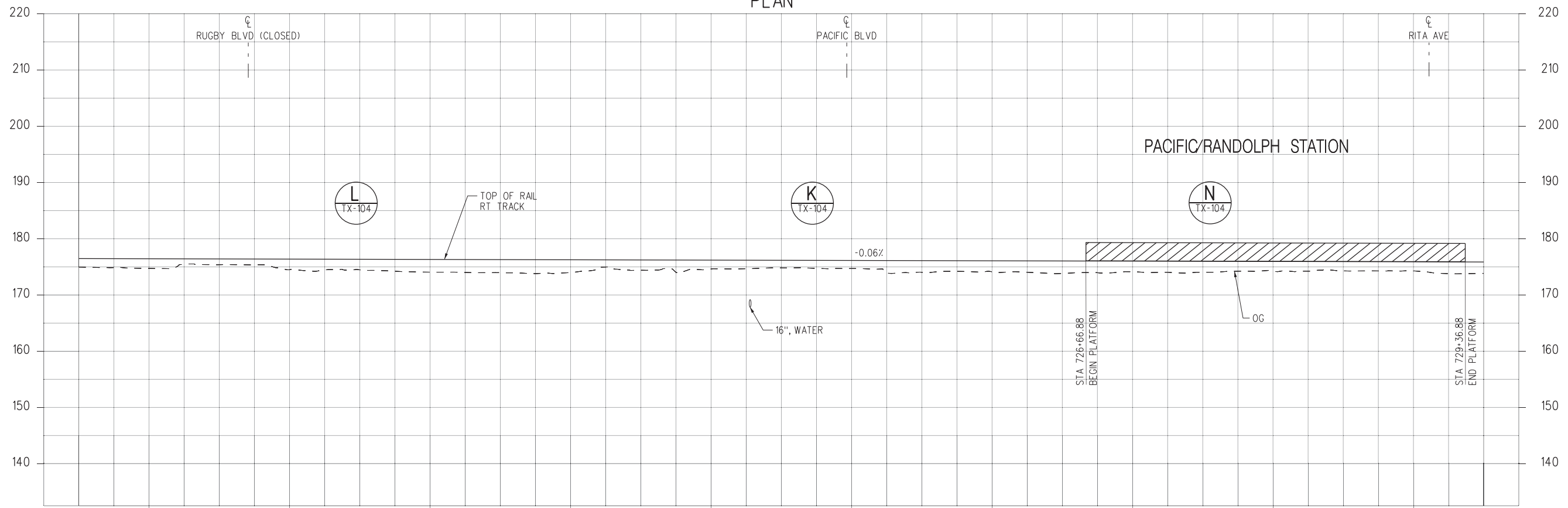
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 709+50 TO STA 719+50



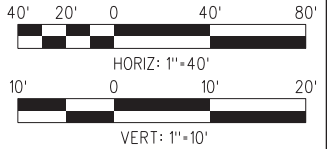
- NOTES:**
- RANDOLPH ST. NARROWED TO ONE LANE MID-BLOCK BETWEEN GRADE CROSSINGS IN ORDER TO MAINTAIN EXISTING PARKING.
 - RUGBY AVE WILL BE RIGHT IN RIGHT OUT



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT134.plg
wspw04-pw-svc 20:45

FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

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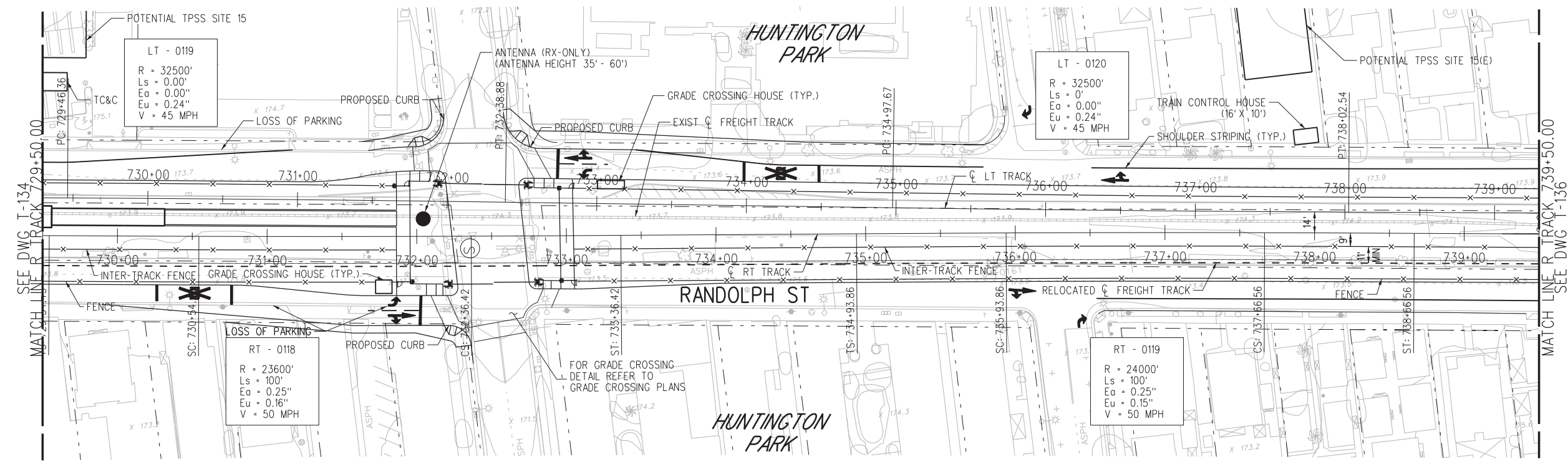
SUBMITTED	_____
APPROVED	_____

CONTRACT NO AE5999300	
DRAWING NO T-134	REV
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO 59	OF 154

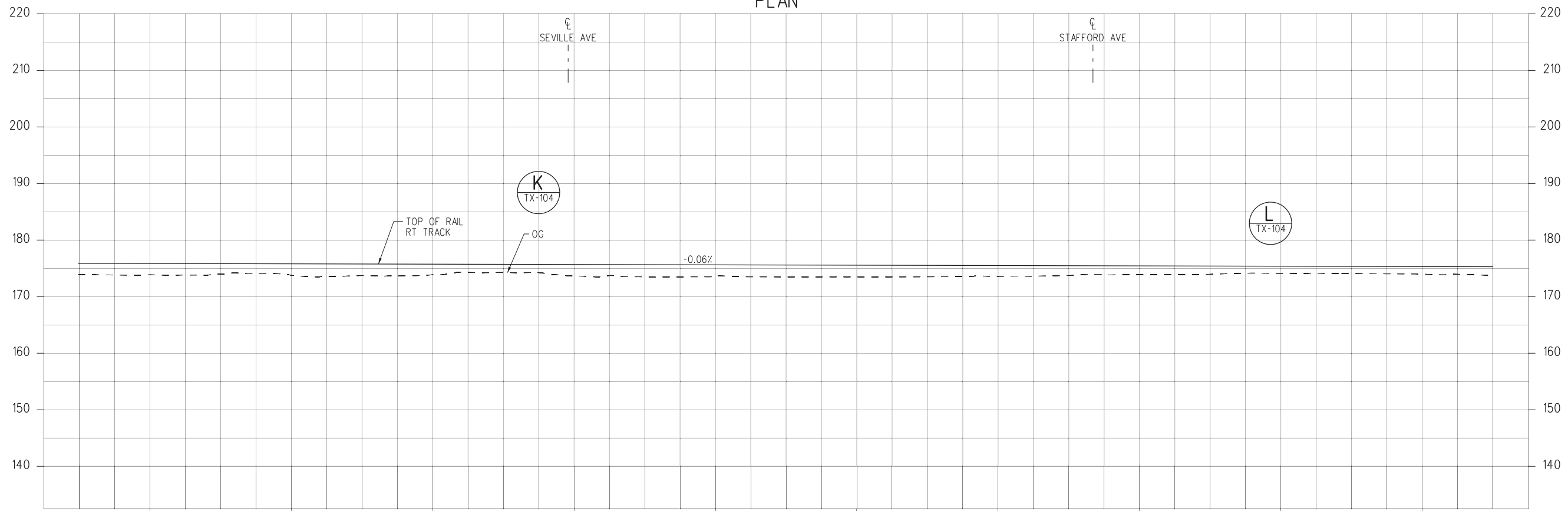
WEST SANTA ANA BRANCH LRT
TRACK ALIGNMENT
ALTERNATIVE 1, 2, AND 3
PLAN & PROFILE
STA 719+50 TO STA 729+50



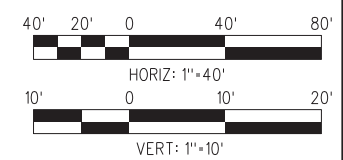
- NOTES:**
1. STATION EXIT EAST IS TO SEVILLE. STATION PLANS TO PROVIDE ADDITIONAL DETAILS.
 2. RANDOLPH ST. NARROWED TO ONE LANE MID-BLOCK BETWEEN GRADE CROSSINGS IN ORDER TO MAINTAIN EXISTING PARKING.



PLAN



PROFILE




NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT135.plg


FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



444 South Flower Street
Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

SUBMITTED	_____
APPROVED	_____

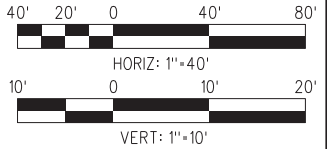
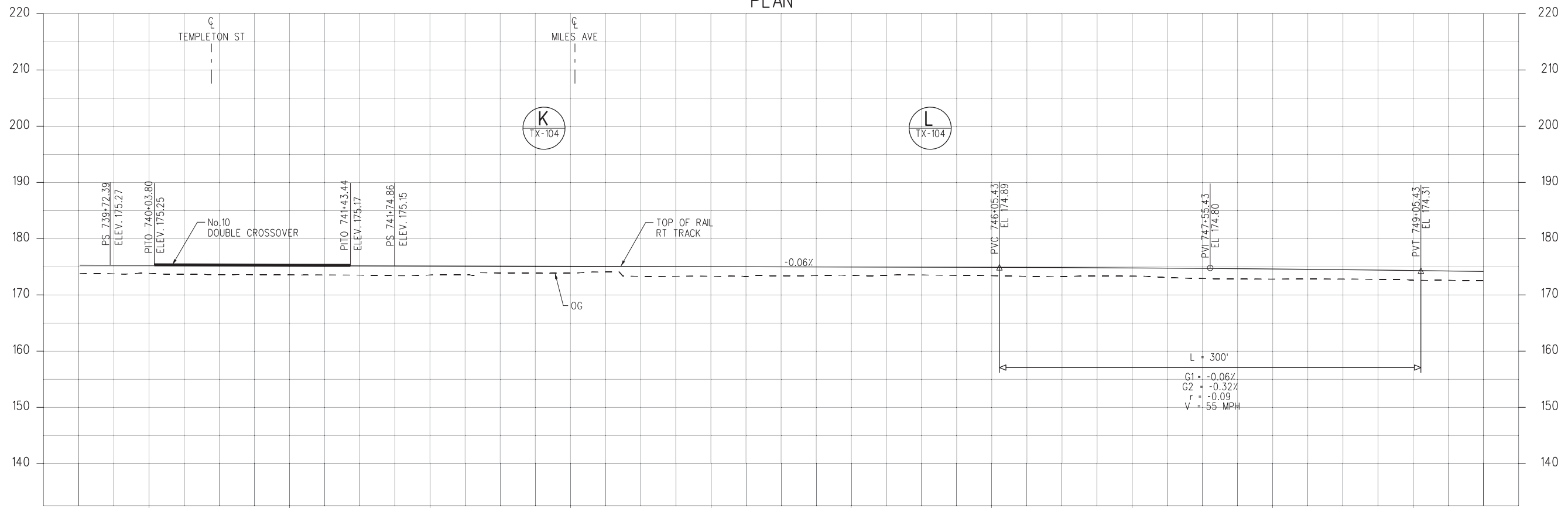
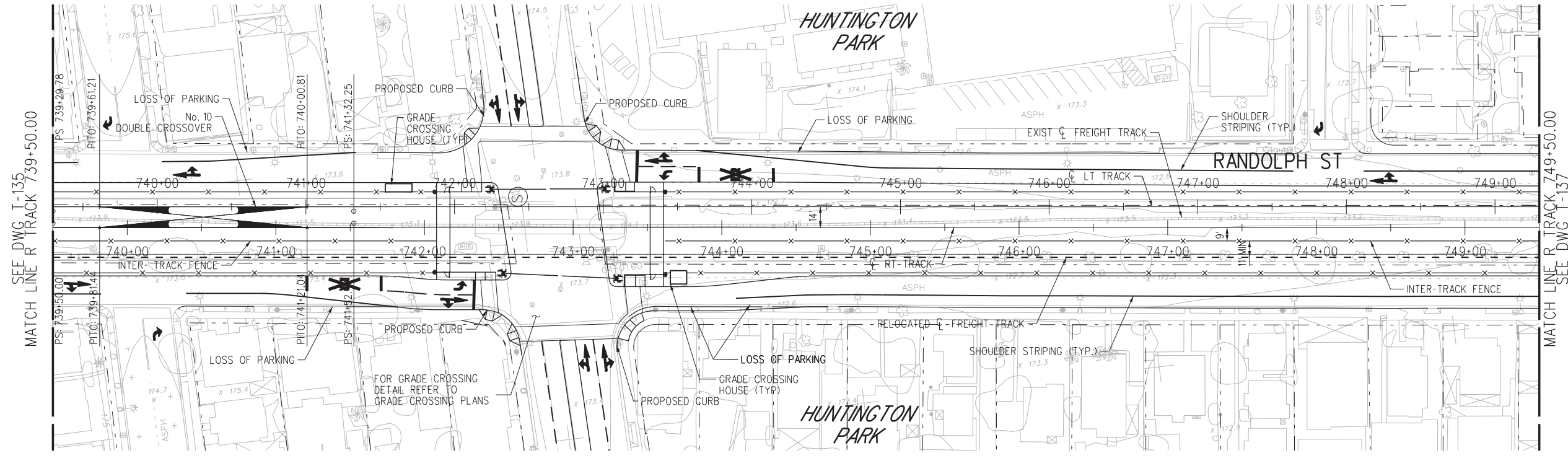
CONTRACT NO AE5999300	
DRAWING NO T-135	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO 60	OF 154

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 729+50 TO STA 739+50



NOTES:

- 1. RANDOLPH ST. NARROWED TO ONE LANE MID-BLOCK BETWEEN GRADE CROSSINGS IN ORDER TO MAINTAIN EXISTING PARKING.



FINAL REVISED ACE SUBMITTAL - 10/08/2020

NOT FOR CONSTRUCTION

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REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY
AM
DRAWN BY
MF
CHECKED BY
RL
IN CHARGE
NM
DATE
10/8/2020



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY



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Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

SUBMITTED _____
APPROVED _____

WEST SANTA ANA BRANCH LRT
TRACK ALIGNMENT
ALTERNATIVE 1, 2, AND 3
PLAN & PROFILE
STA 739+50 TO STA 749+50

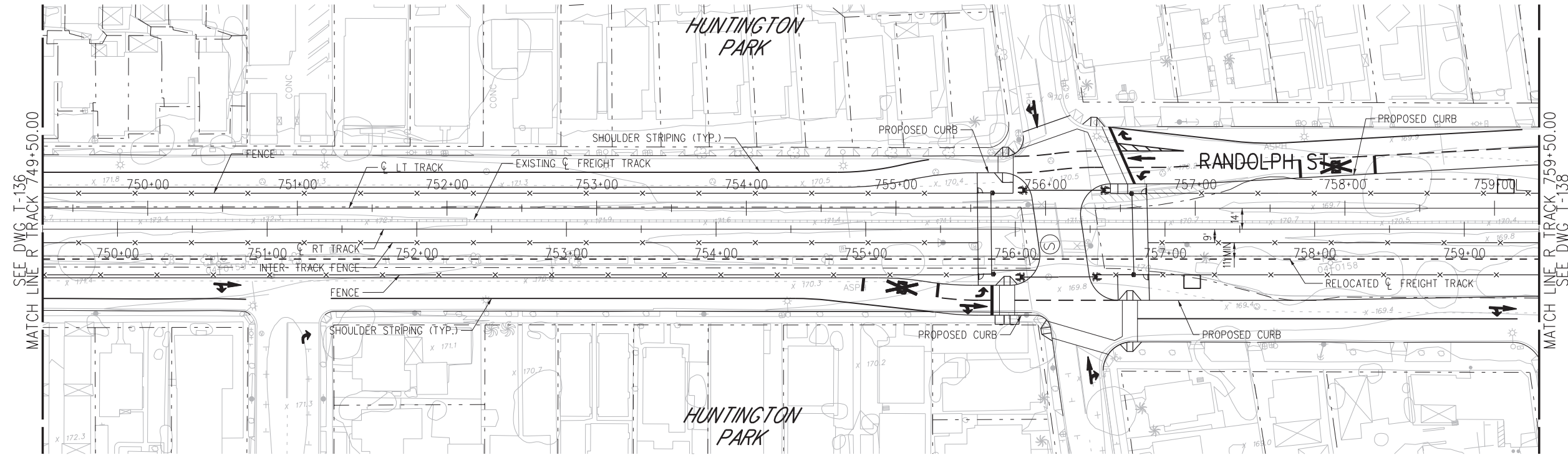
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DRAWING NO T-136	REV
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO 61	OF 154

10-MAY-2021 B-28091AT136.plg
wsppw04-pw-svc 20:45
Plot Driver=MTA-half.pen

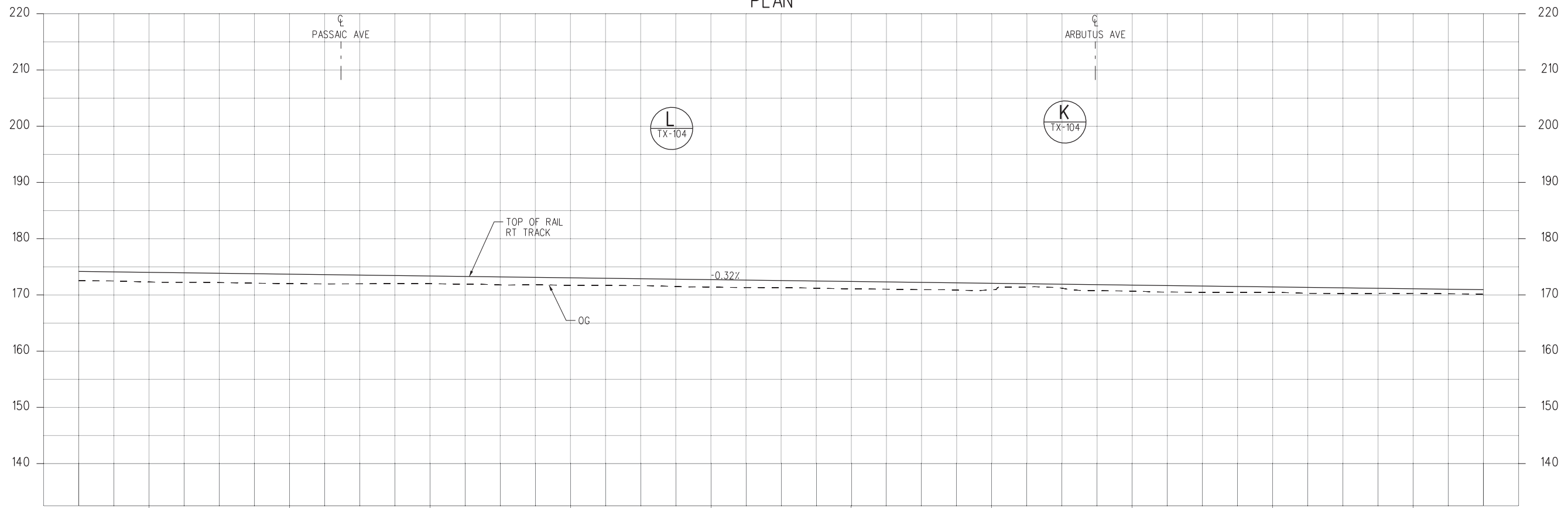


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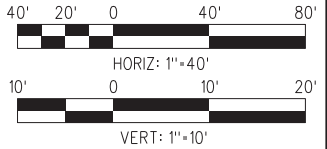
1. RANDOLPH ST. NARROWED TO ONE LANE MID-BLOCK BETWEEN GRADE CROSSINGS IN ORDER TO MAINTAIN EXISTING PARKING.



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT137.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

DESIGNED BY	AM						
DRAWN BY	MF						
CHECKED BY	RL						
IN CHARGE	NM						
DATE	10/8/2020						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY	AM
DRAWN BY	MF
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

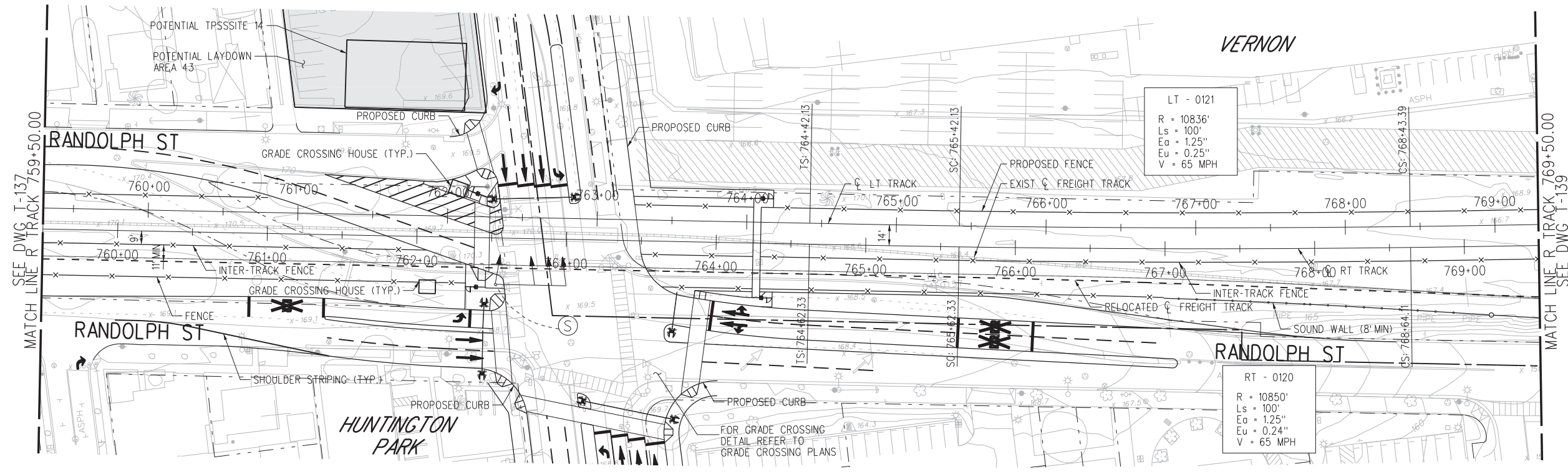
M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

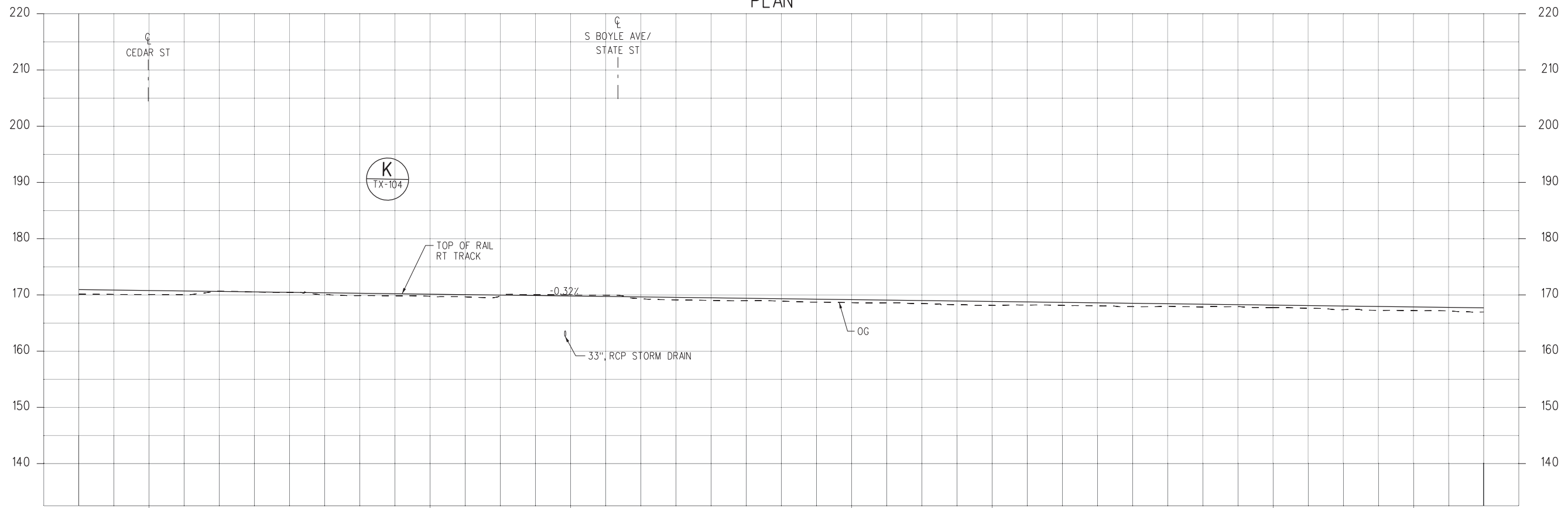
SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 749+50 TO STA 759+50

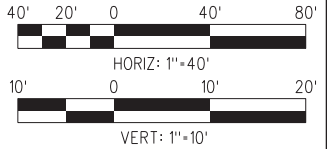
CONTRACT NO.	AE5999300
DRAWING NO.	T-137
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	62 OF 154



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT138.plg
wsppw04-pw-svc 20:46
Plot Driver=MTA-half.pen

FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY	AM
DRAWN BY	MF
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

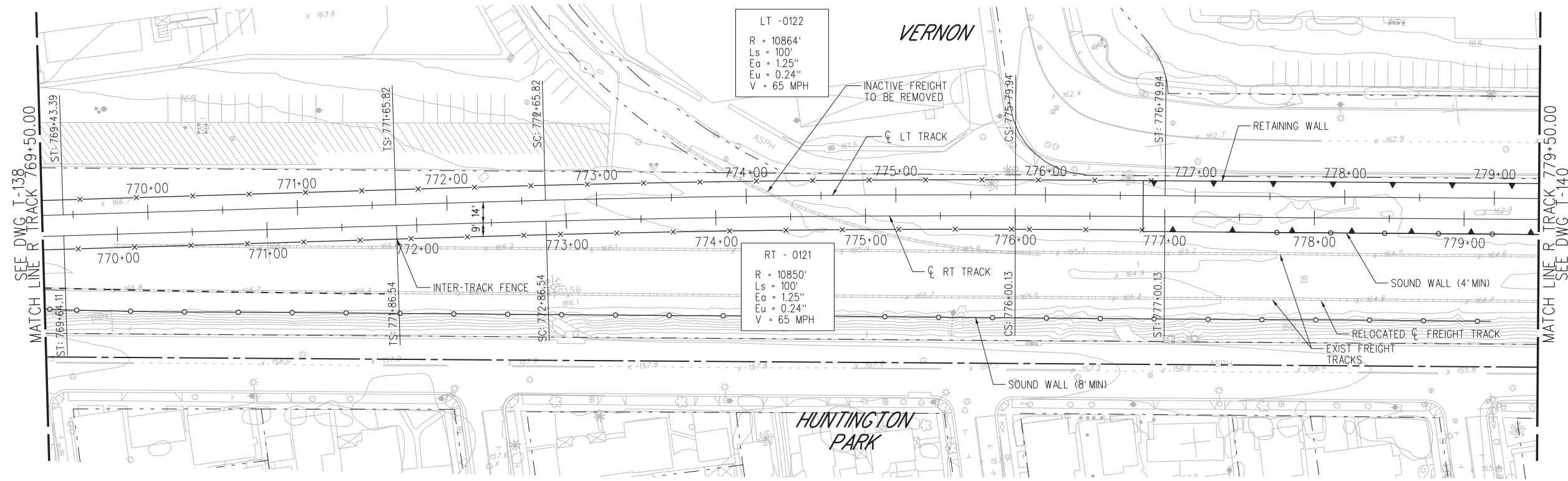
M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

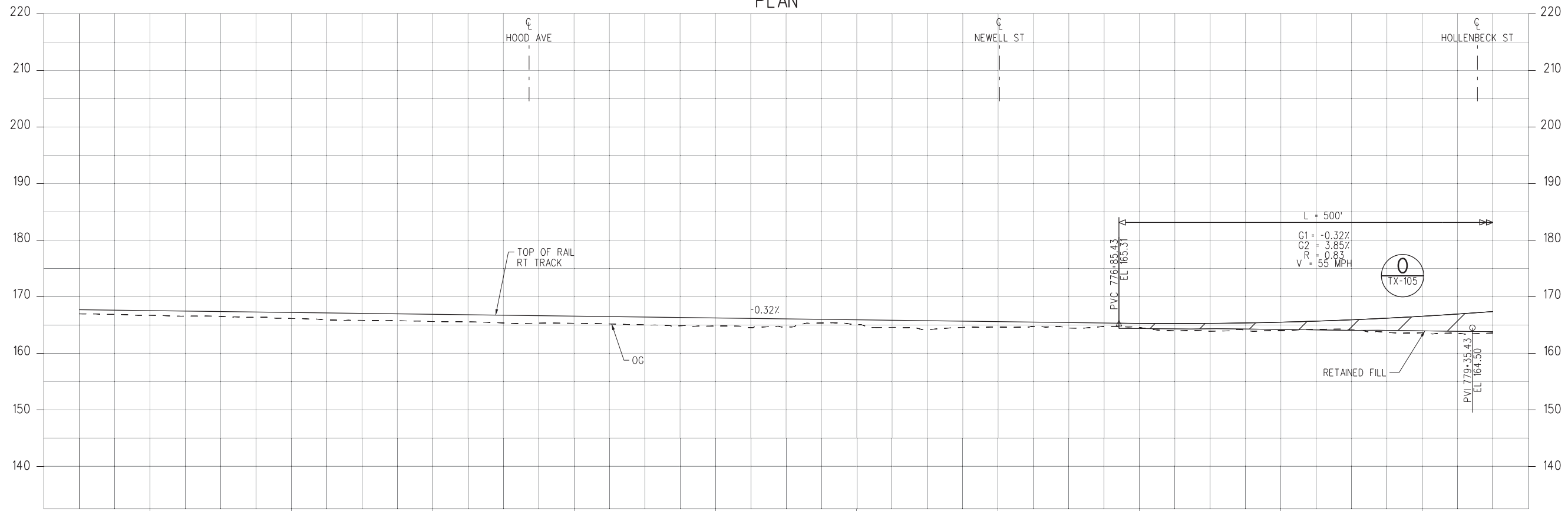
SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 759+50 TO STA 769+50

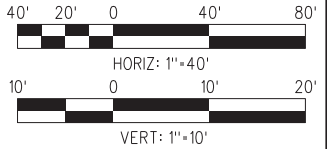
CONTRACT NO. **AE5999300**
 DRAWING NO. **T-138**
 SCALE: **HORIZ: 1"=40'**
VERT: 1"=10'
 SHEET NO. **63** OF **154**



PLAN



PROFILE



FINAL REVISED ACE SUBMITTAL - 10/08/2020

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

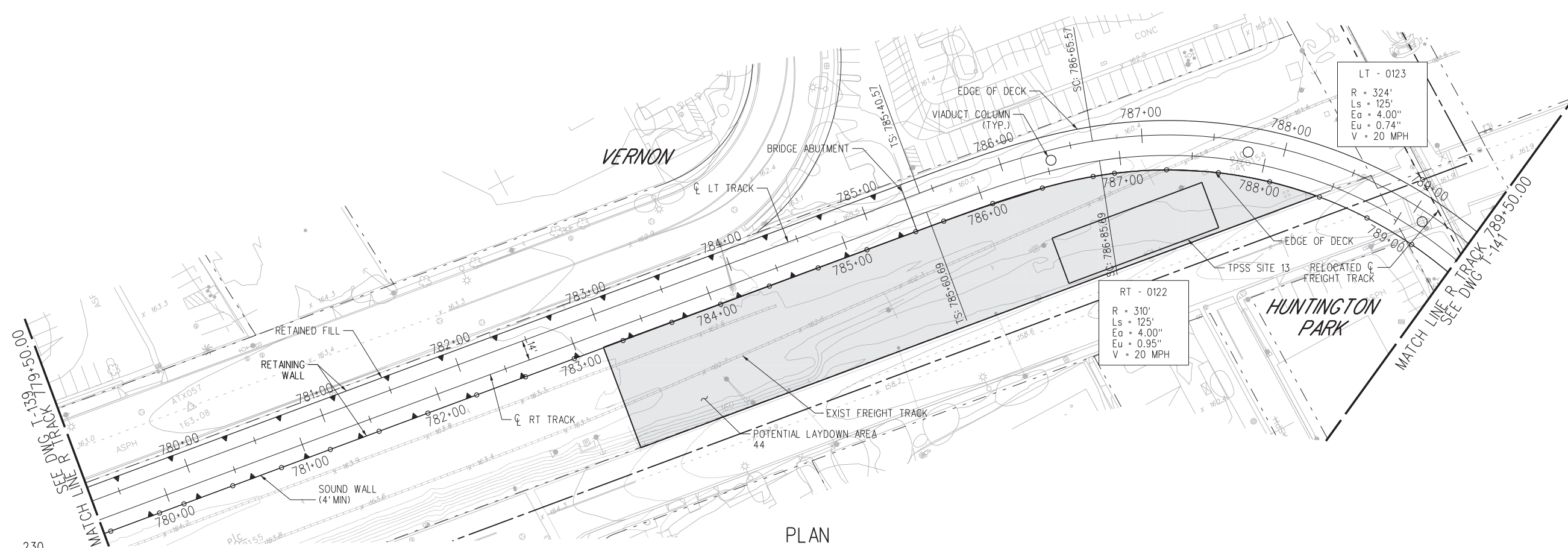
wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 769+50 TO STA 779+50

CONTRACT NO. AE5999300	REV
DRAWING NO. T-139	
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO. 64 OF 154	

10-MAY-2021 B-28091AT139.plg
wspw04-pw-svc 20:45
Plot Driver=MTA-half.pen



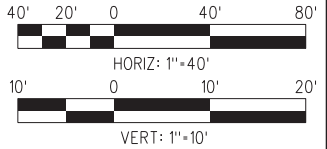
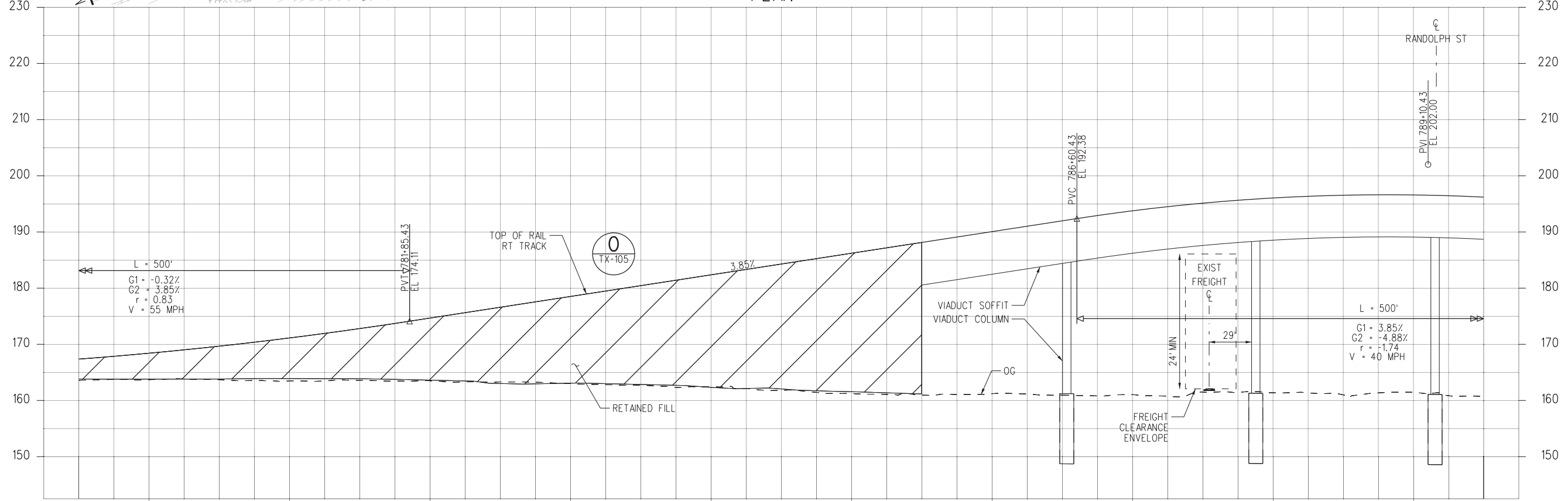
LT - 0123
 R = 324'
 Ls = 125'
 Eo = 4.00"
 Eu = 0.74"
 V = 20 MPH

RT - 0122
 R = 310'
 Ls = 125'
 Eo = 4.00"
 Eu = 0.95"
 V = 20 MPH



NOTES:
 1. SOUND WALL LOCATED ON EDGE OF VIADUCT

PLAN



PROFILE

NOT FOR CONSTRUCTION

FINAL REVISED ACE SUBMITTAL - 10/08/2020

DESIGNED BY	AM
DRAWN BY	MF
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY
AM

DRAWN BY
MF

CHECKED BY
RL

IN CHARGE
NM

DATE
10/8/2020

M Metro

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____

APPROVED _____

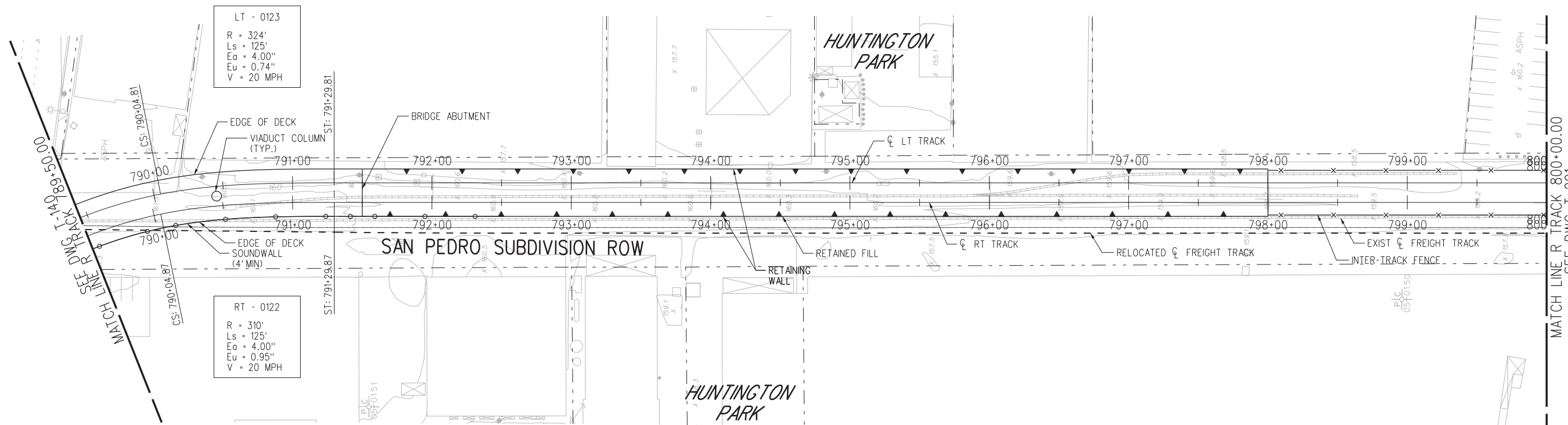
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 779+50 TO STA 789+50

CONTRACT NO.	AE5999300
DRAWING NO.	T-140
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	65 OF 154

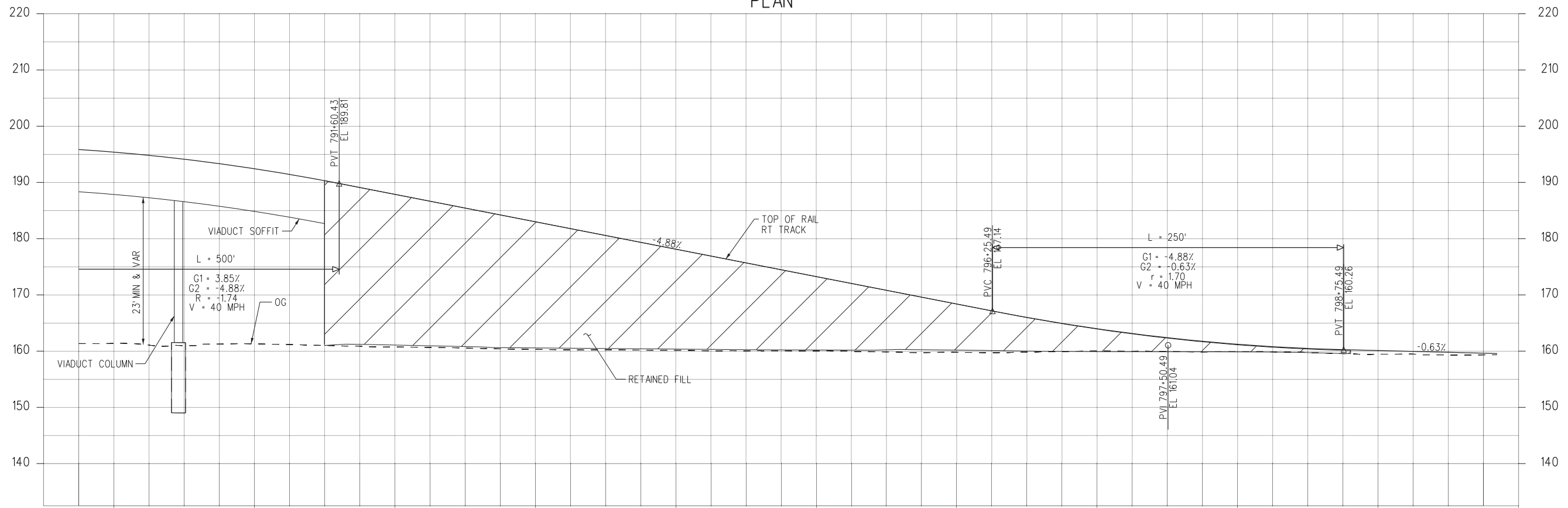
10-MAY-2021 B-28091AT140.plg



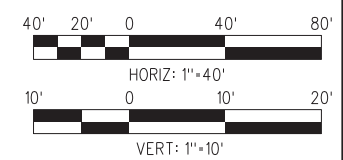
NOTES:
1. SOUND WALL LOCATED ON EDGE OF VIADUCT



PLAN



PROFILE



10-MAY-2021 B-28091AT141.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

NOT FOR CONSTRUCTION

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
DESIGNED BY	AM	DATE	10/8/2020	BY	APP	REG NO.
DRAWN BY	MF	DATE	10/8/2020	BY	APP	REG NO.
CHECKED BY	RL	DATE	10/8/2020	BY	APP	REG NO.
IN CHARGE	NM	DATE	10/8/2020	BY	APP	REG NO.
DESCRIPTION	FINAL REVISED ACE SUBMITTAL					
SEAL HOLDER	Pentable+bw.plt					

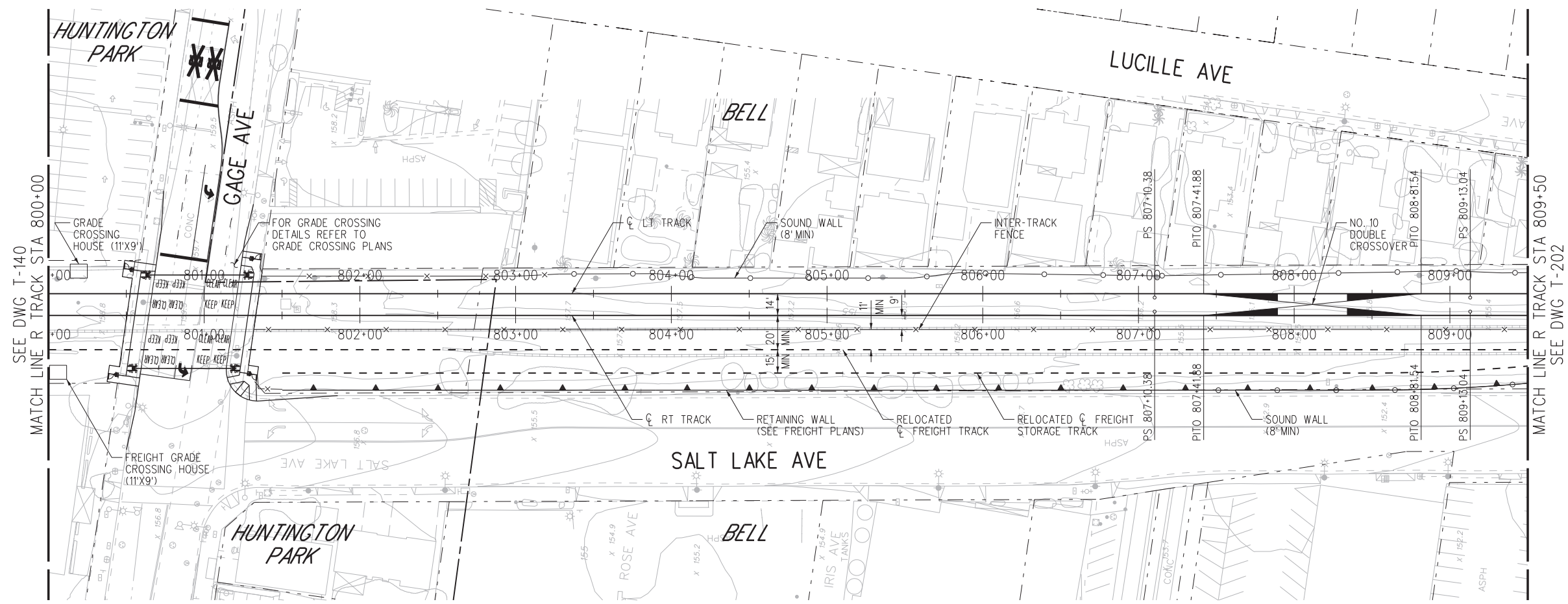
DESIGNED BY	AM
DRAWN BY	MF
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

M Metro
wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

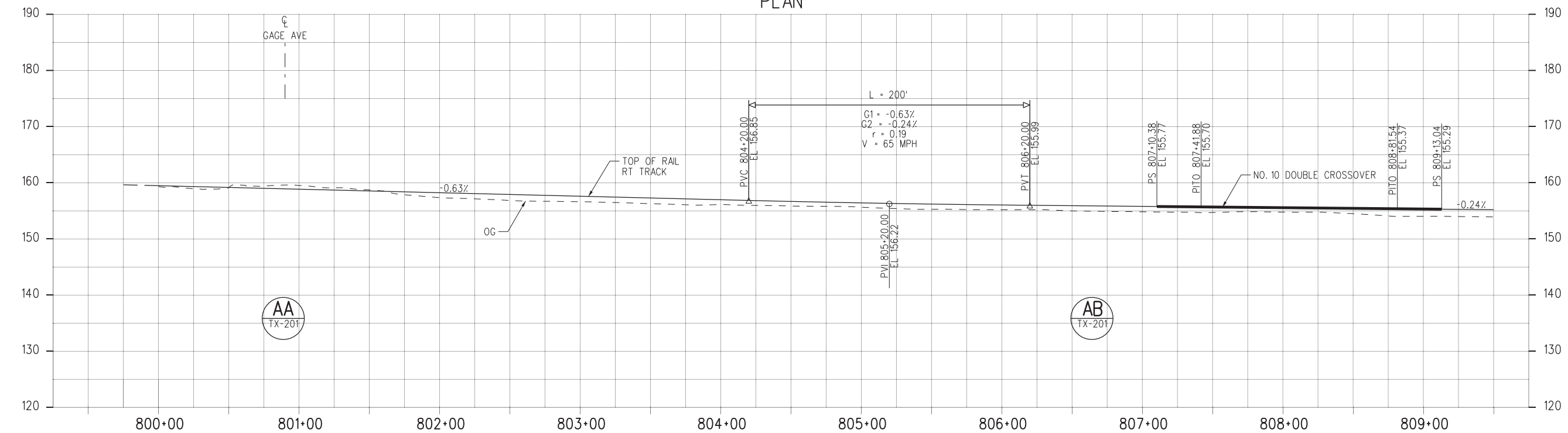
SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVE 1, 2, AND 3 PLAN & PROFILE STA 789+50 TO STA 800+00

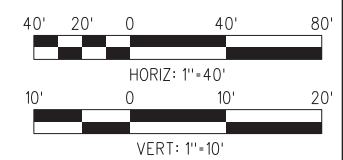
CONTRACT NO. AE5999300
 DRAWING NO. T-141
 SCALE: HORIZ: 1"=40' VERT: 1"=10'
 SHEET NO. 66 OF 154



PLAN



PROFILE



10-MAY-2021 B-28091AT201.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
FINAL REVISED ACE SUBMITTAL						DESCRIPTION

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

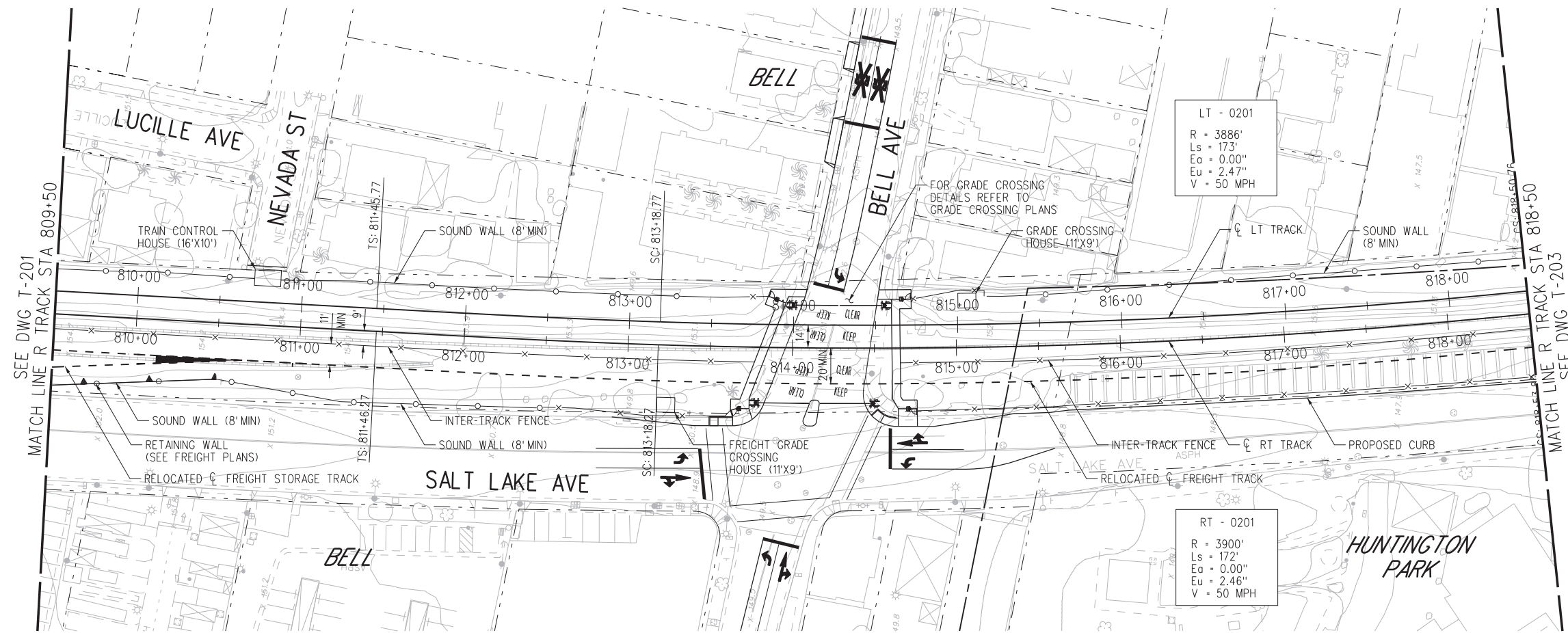
wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED	_____
APPROVED	_____

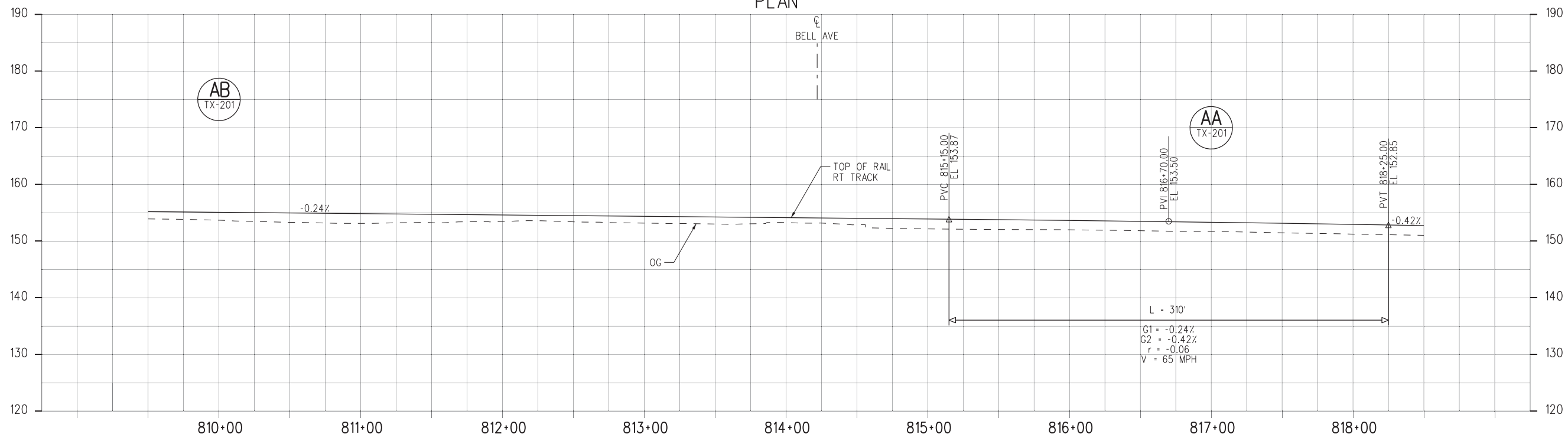
NOT FOR CONSTRUCTION

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 800+00 TO STA 809+50

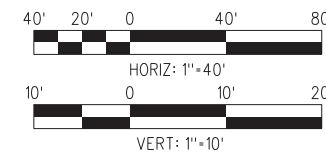
CONTRACT NO. AE5999300	REV
DRAWING NO. T-201	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 67 OF 154	



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT202.plg

wsppw04-dw-svc 20:50

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



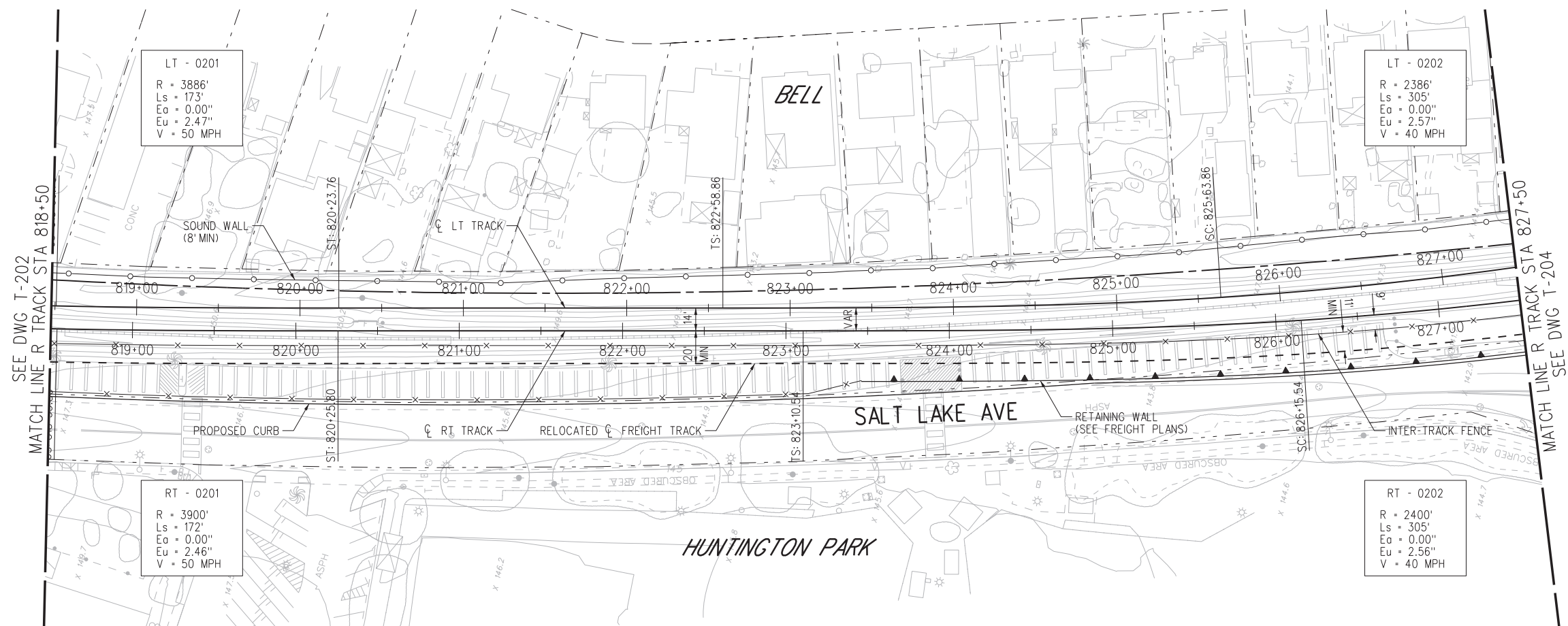
444 South Flower Street
Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

SUBMITTED _____

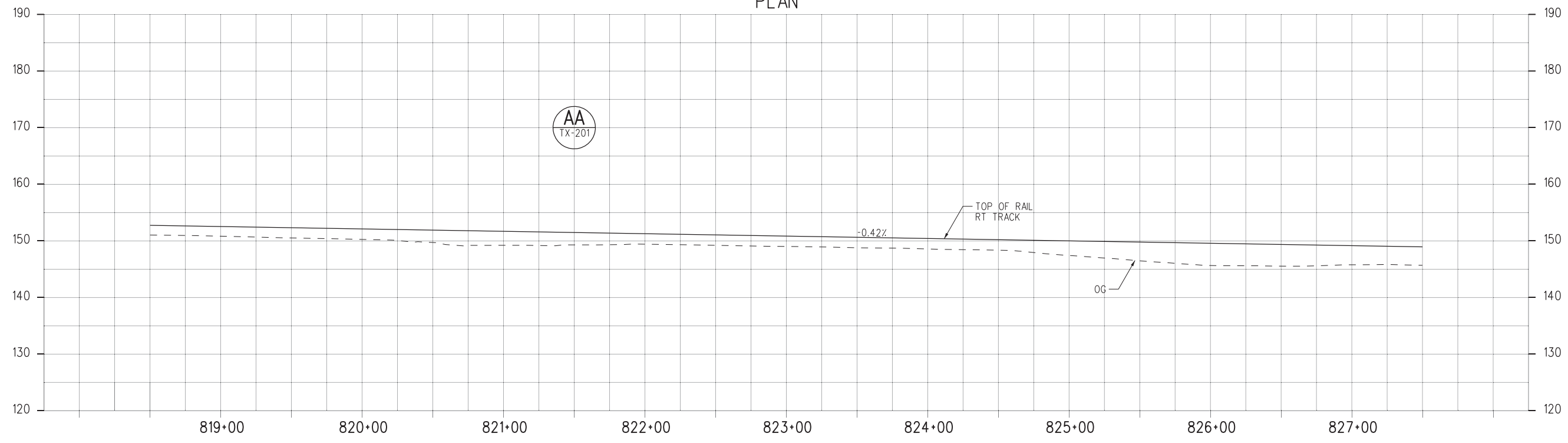
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 809+50 TO STA 818+50

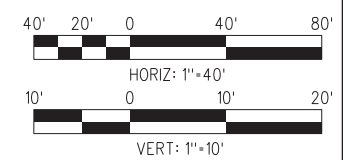
CONTRACT NO. AE5999300	REV
DRAWING NO. T-202	
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO. 68	OF 154



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT203.plg
wspw04-pw-svc 20:51

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
FINAL REVISED ACE SUBMITTAL						
DESCRIPTION						

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street
 Suite 800
 Los Angeles, CA 90071
 TEL (213) 362-9470

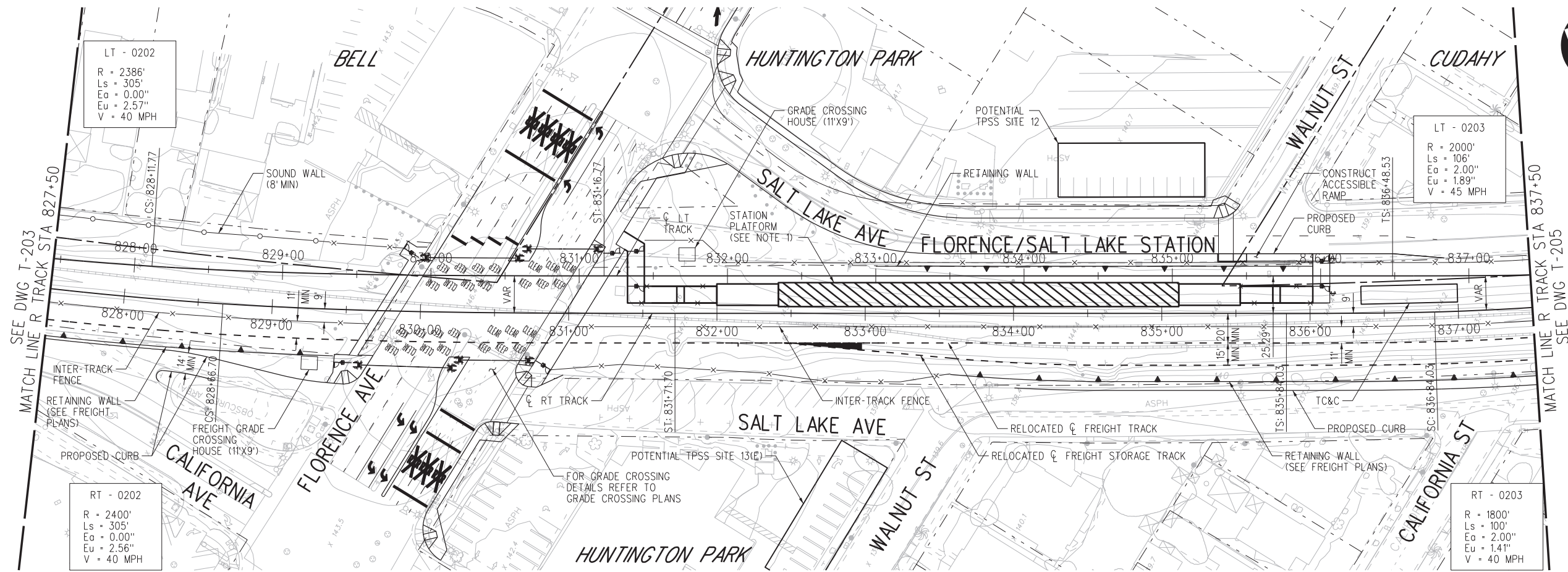
SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 818+50 TO STA 827+50

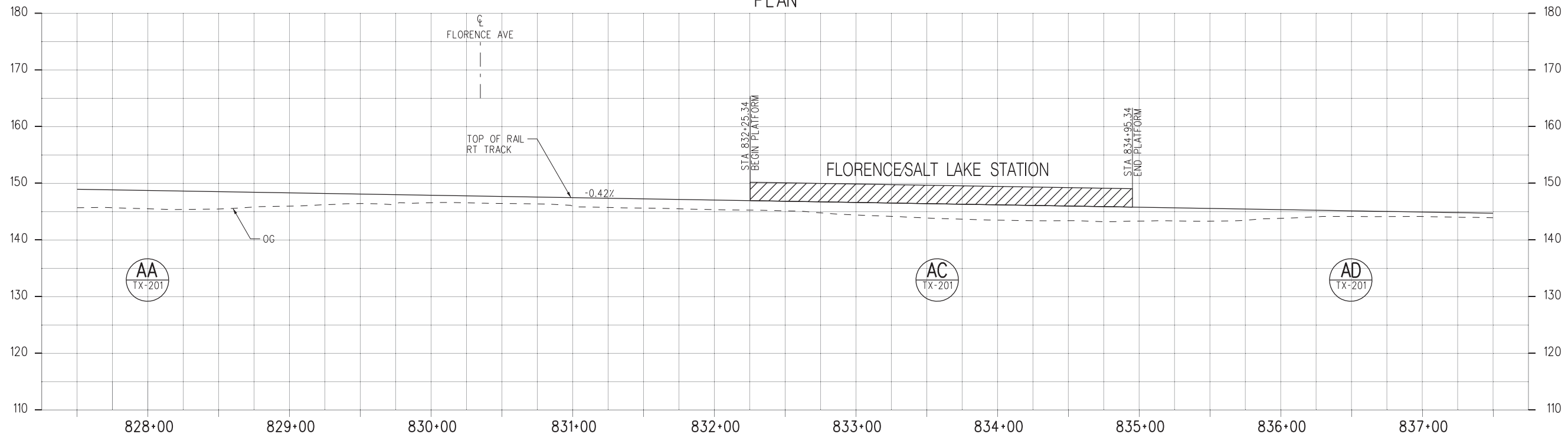
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 DRAWING NO. **T-203**
 SCALE **HOR: 1"=40' VERT: 1"=10'**
 SHEET NO. **69 OF 154**



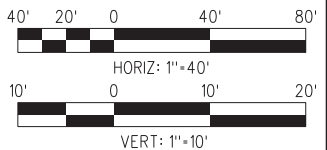
NOTES:
 1. FOR STATION LAYOUT SEE STATION SITE PLANS, SHEET A10-001.



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT204.plg

wspw04-pw-svc 20:50

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

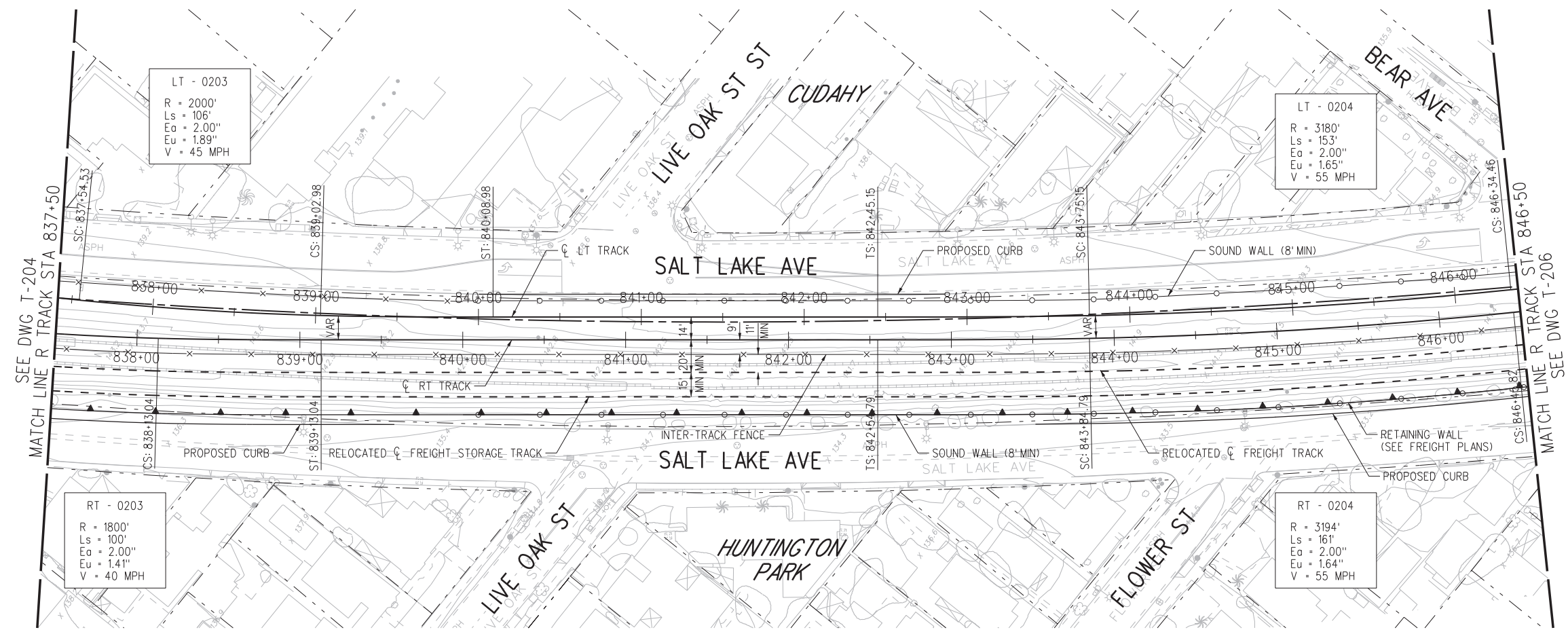
M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street
 Suite 800
 Los Angeles, CA 90071
 TEL (213) 362-9470

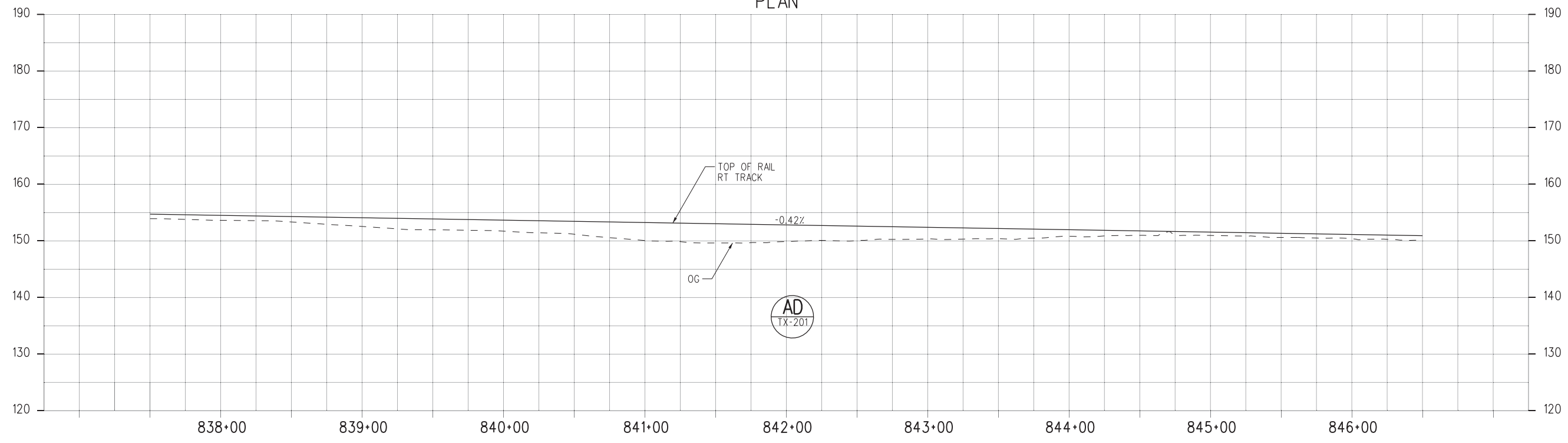
SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT
 TRACK ALIGNMENT
 ALTERNATIVES 1, 2, AND 3
 PLAN & PROFILE
 STA 827+50 TO STA 837+50

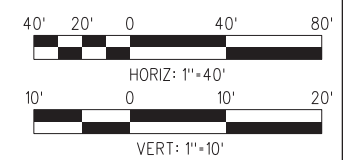
CONTRACT NO. AE5999300	REV
DRAWING NO. T-204	
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO. 70 OF 154	



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT205.plg

wspw04-pw-svc 20:51

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.									
DESIGNED BY	CB	DATE	10/8/2020	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
DRAWN BY	RM	REV	0						FINAL REVISED ACE SUBMITTAL
CHECKED BY	RL								
IN CHARGE	NM								
DATE	10/8/2020								

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

Metro

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

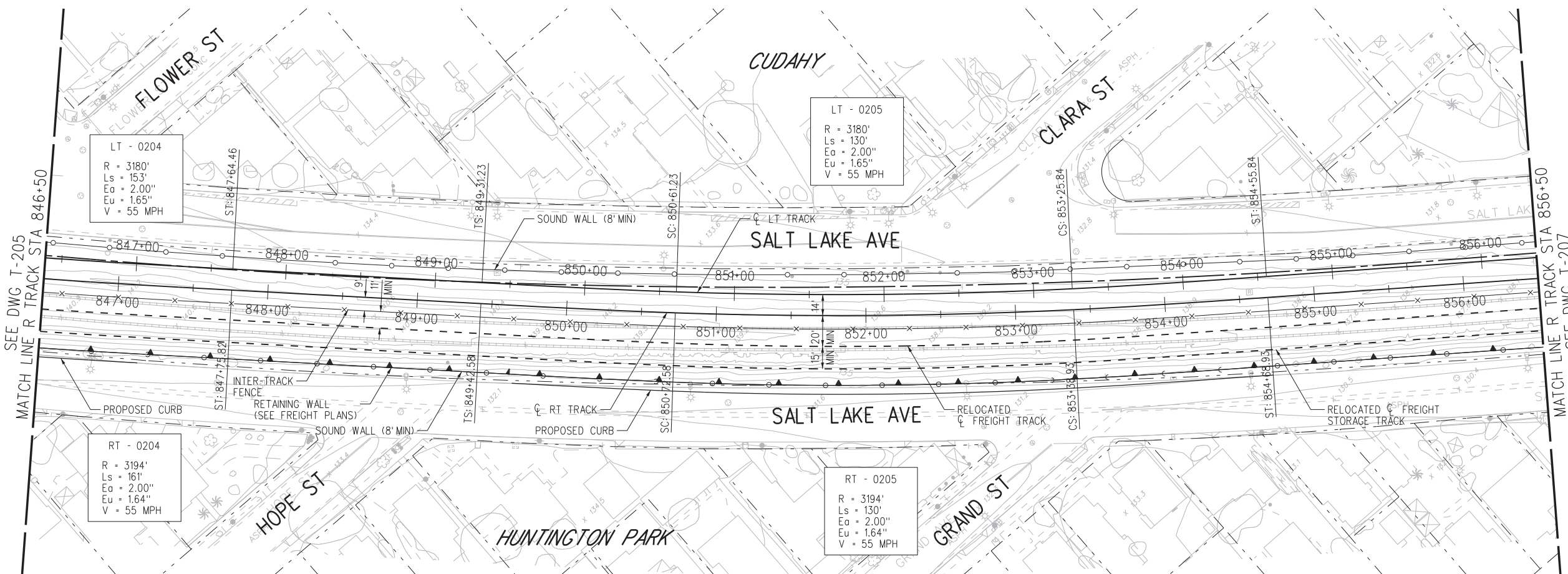
wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____

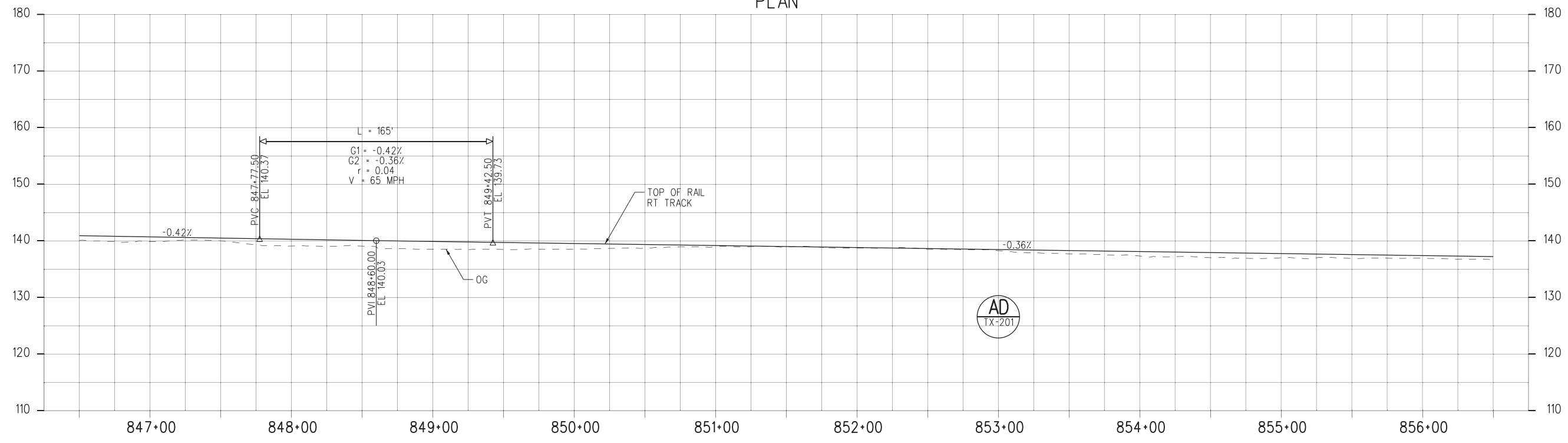
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 837+50 TO STA 846+50

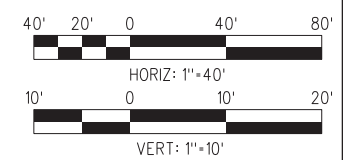
CONTRACT NO.	AE5999300
DRAWING NO.	T-205
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	71 OF 154



PLAN



PROFILE



NOT FOR CONSTRUCTION

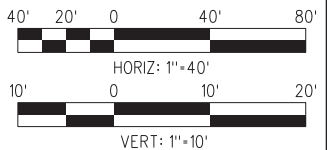
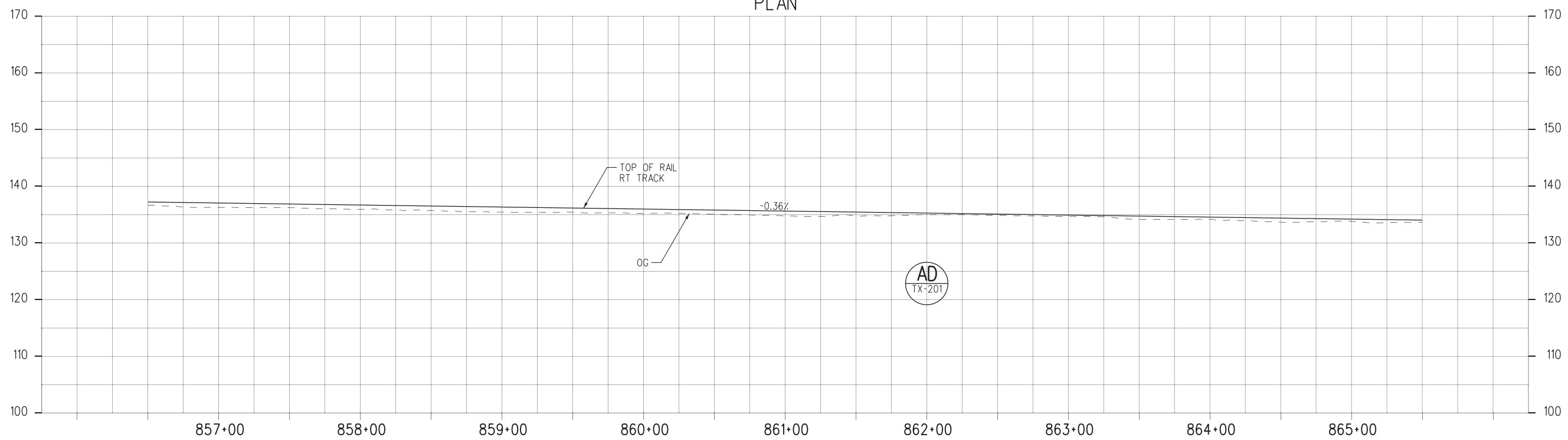
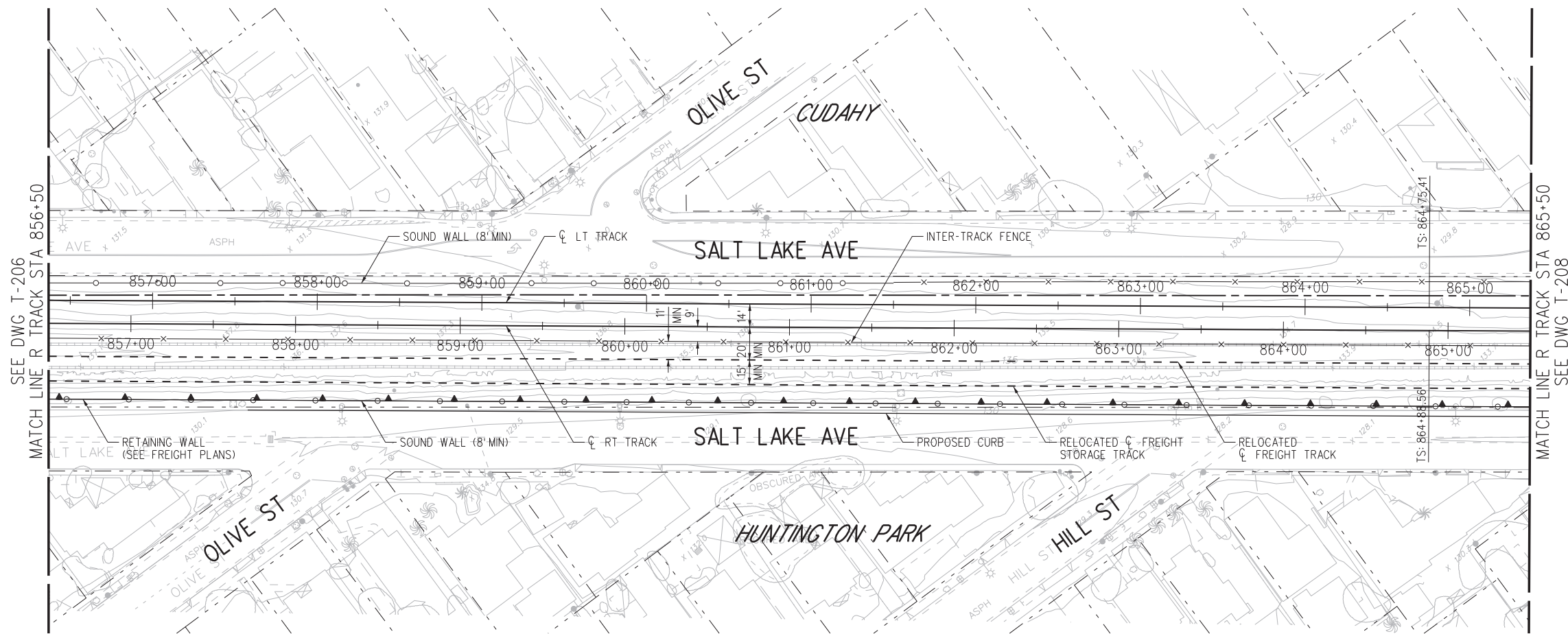
04-MAR-2021 B-28091AT206.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB
0	10/8/2020	DRAWN BY RM
REV	DATE	CHECKED BY RL
	BY	IN CHARGE NM
	APP	DATE 10/8/2020
	REG NO.	
	EXPIRES	
	SEAL HOLDER	
	DESCRIPTION	
		FINAL REVISED ACE SUBMITTAL

<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>	<p>444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470</p>	SUBMITTED _____ APPROVED _____
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<p>WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 846+50 TO STA 856+50</p>		CONTRACT NO. AE5999300
DRAWING NO. T-206		REV _____
SCALE HOR: 1"=40' VERT: 1"=10'		SHEET NO. 72 OF 154



SEE DWG T-206
MATCH LINE R TRACK STA 856+50

MATCH LINE R TRACK STA 865+50
SEE DWG T-208

FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

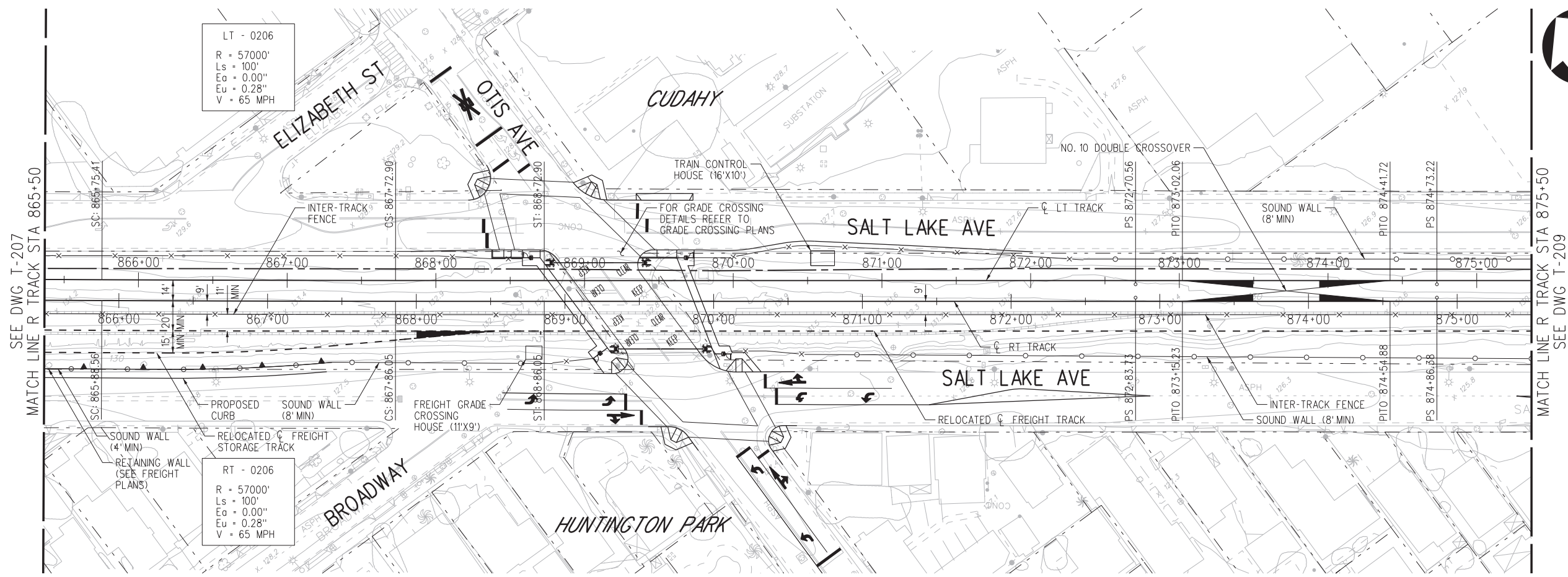
wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____
APPROVED _____

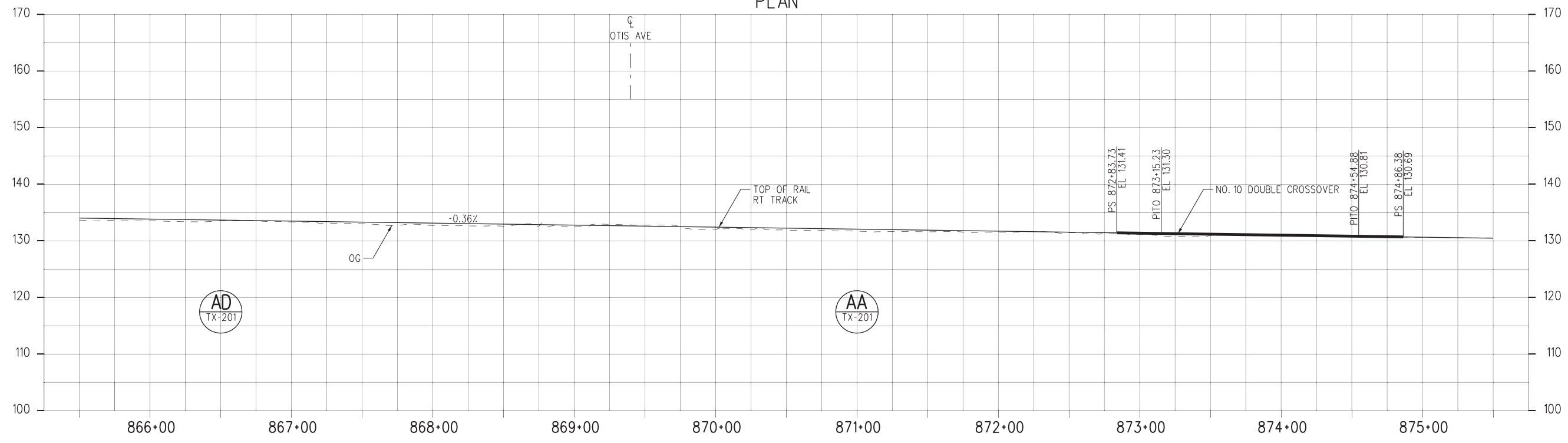
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 856+50 TO STA 865+50

CONTRACT NO. AE5999300	REV
DRAWING NO. T-207	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 73 OF 154	

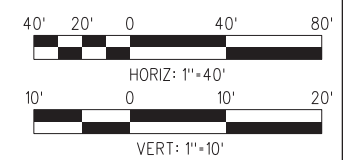
10-MAY-2021 B-28091AT207.plg
wsppw04-pw-svc 20:51
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PLAN



PROFILE



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wsppw04-pw-svc 20:51

FINAL REVISED ACE SUBMITTAL - 10/08/2020

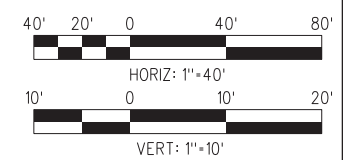
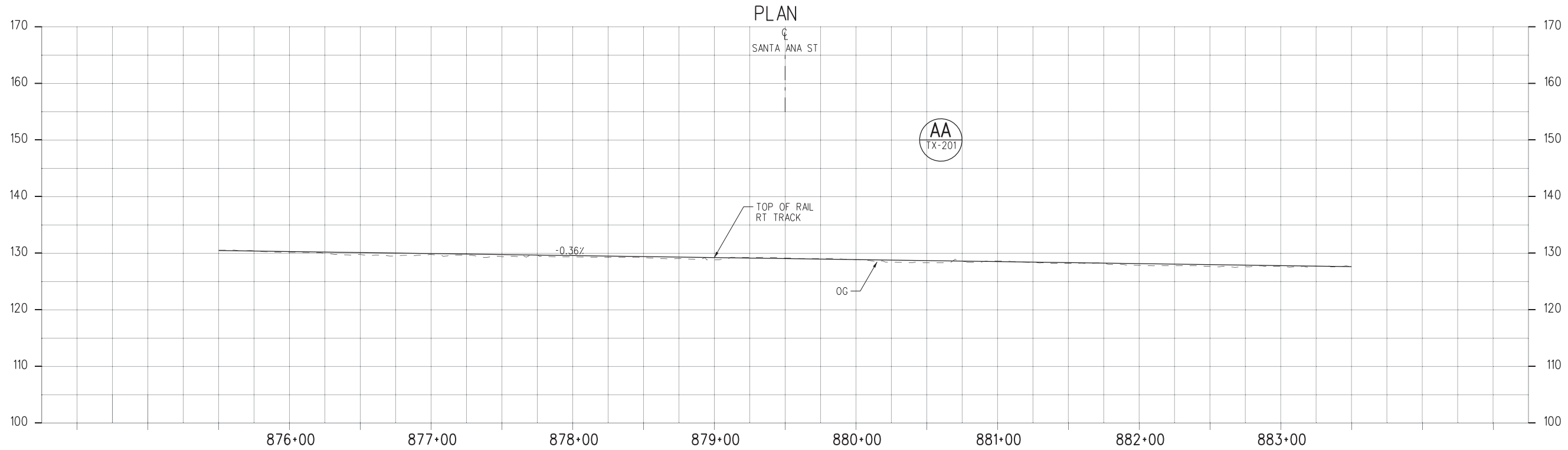
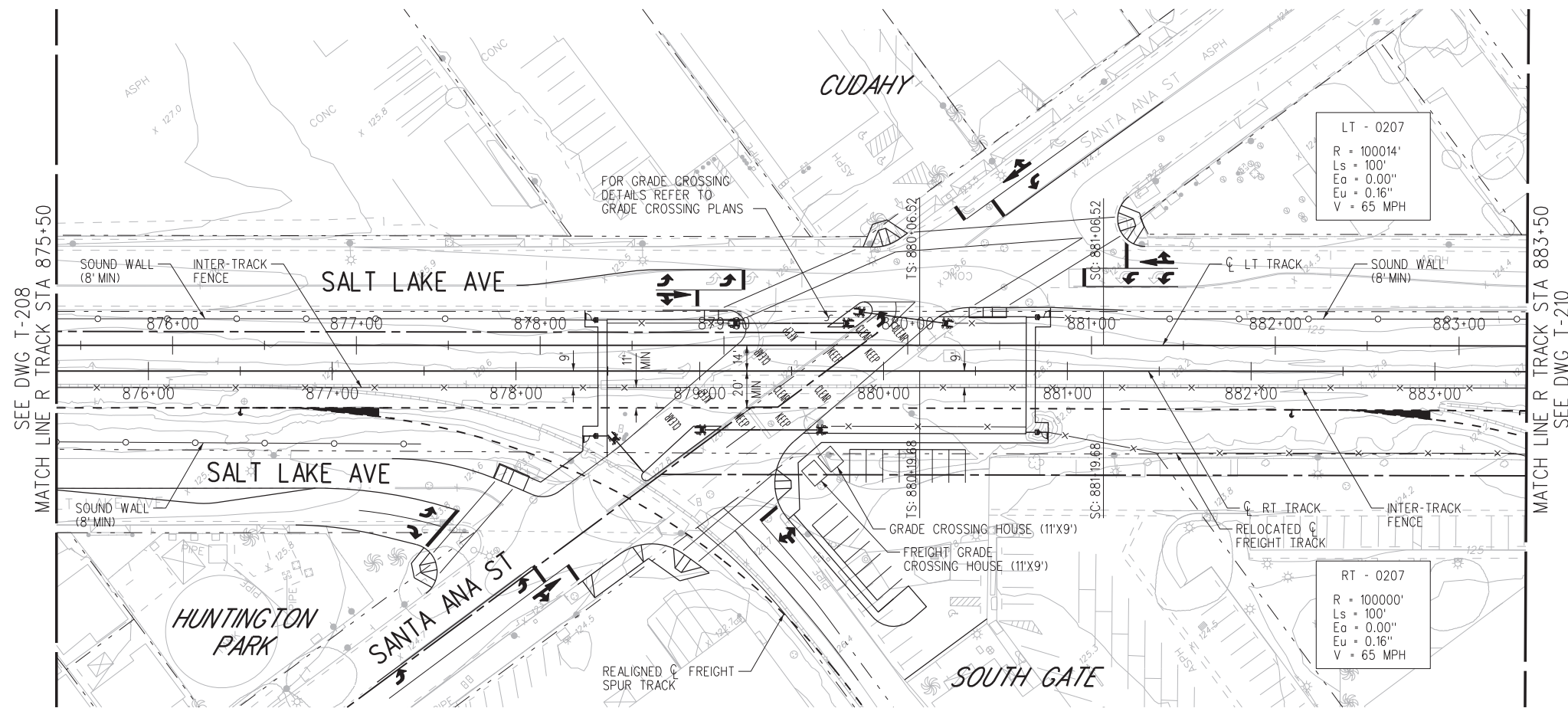
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB	 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470	CONTRACT NO. AE5999300					
0	10/8/2020	DRAWN BY RM		DRAWING NO. T-208					
		CHECKED BY RL		SCALE HOR: 1"=40' VERT: 1"=10'					
		IN CHARGE NM		SHEET NO. 74 OF 154					
		DATE 10/8/2020							
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION		
							FINAL REVISED ACE SUBMITTAL		

Plot Driver=MTA-half.pen Pentable=bw.plt

PROFILE

NOT FOR CONSTRUCTION

**WEST SANTA ANA BRANCH LRT
TRACK ALIGNMENT
ALTERNATIVES 1, 2, AND 3
PLAN & PROFILE
STA 865+50 TO STA 875+50**



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT209.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION
0	10/8/2020					FINAL REVISED ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

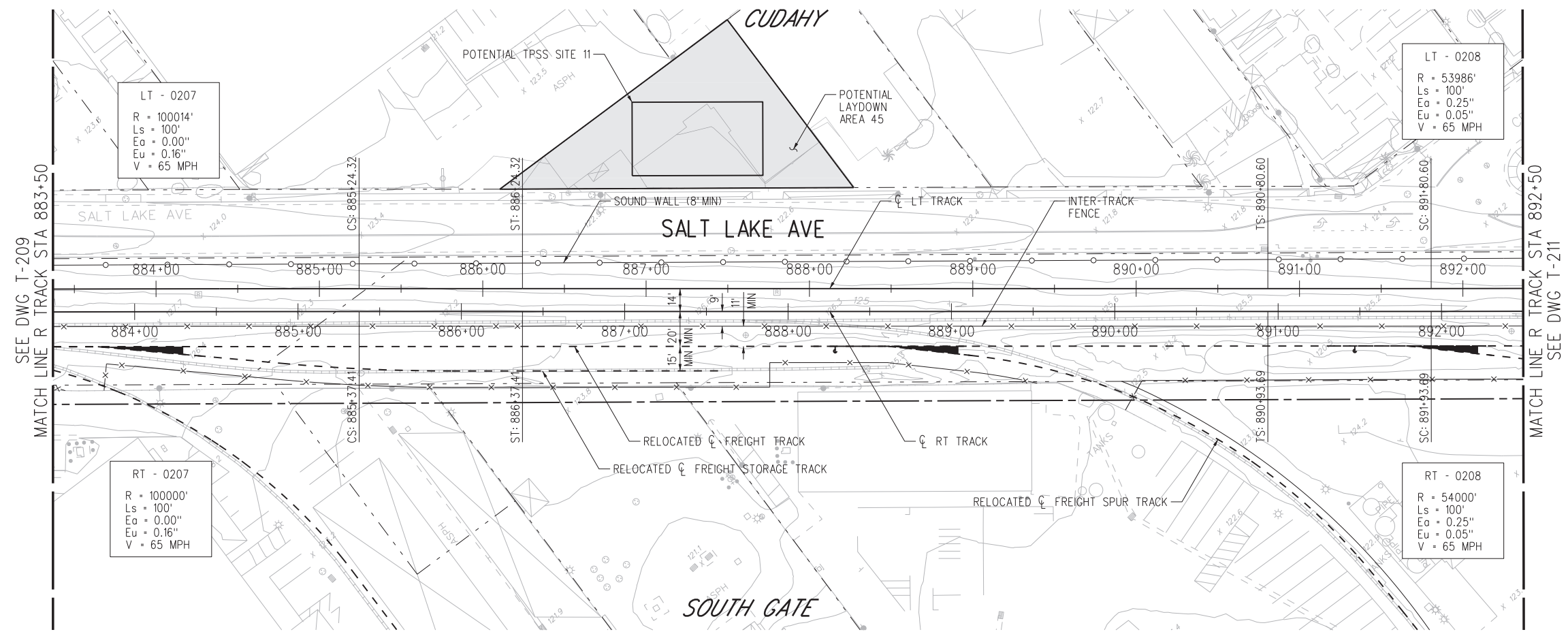
wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____

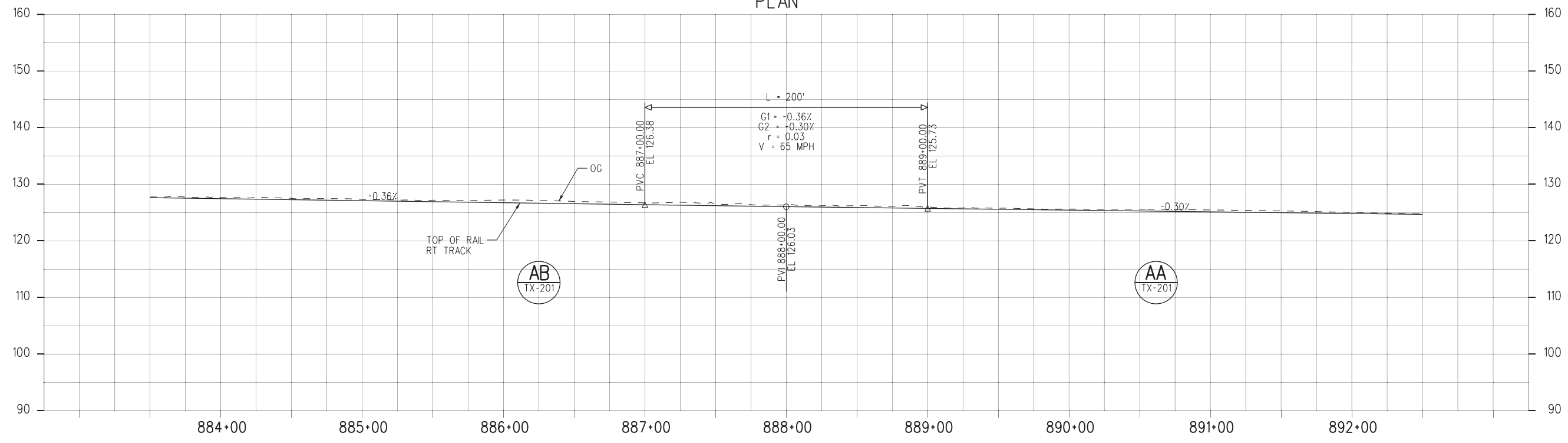
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 875+50 TO STA 883+50

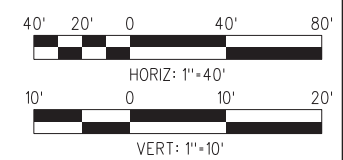
CONTRACT NO. AE5999300
DRAWING NO. T-209
SCALE HOR: 1"=40' VERT: 1"=10'
SHEET NO. 75 OF 154



PLAN



PROFILE

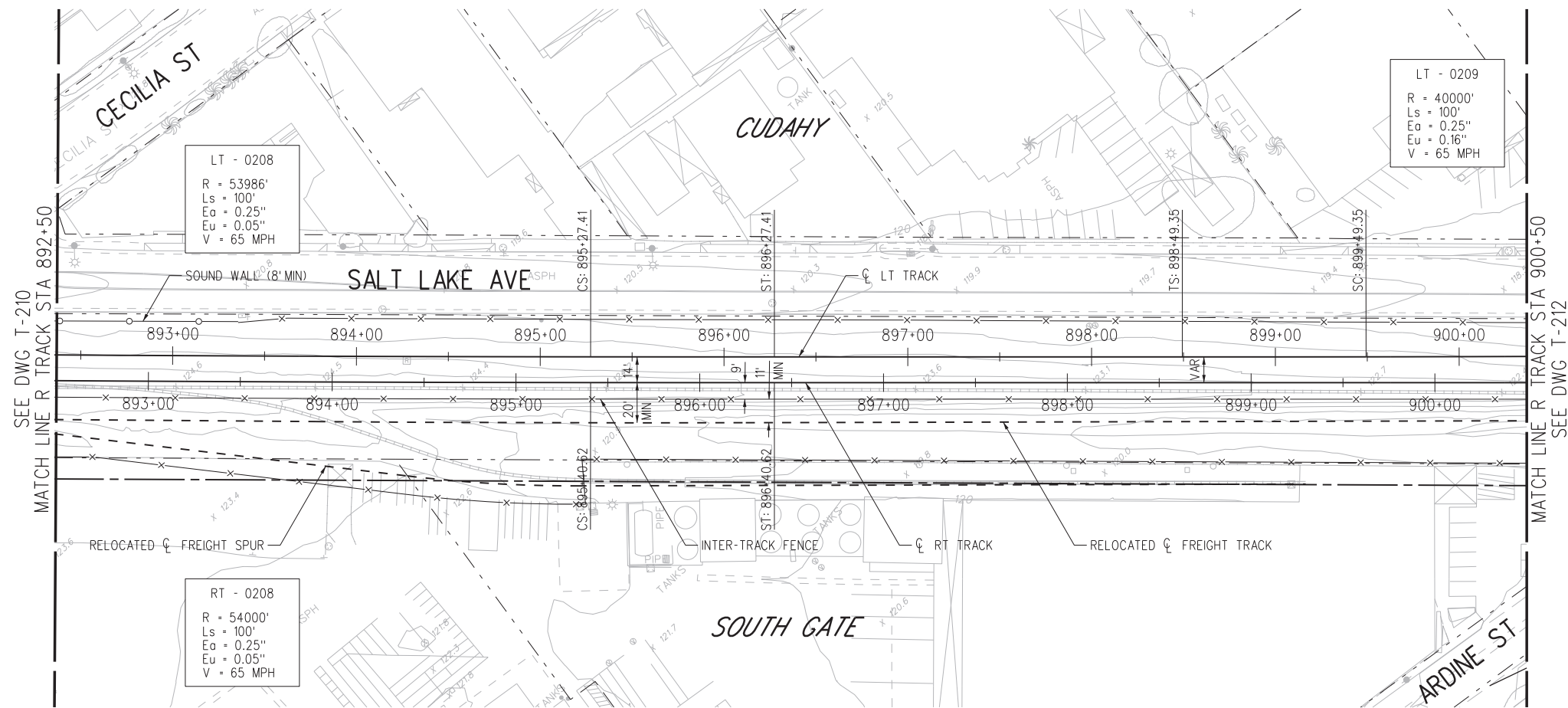


NOT FOR CONSTRUCTION

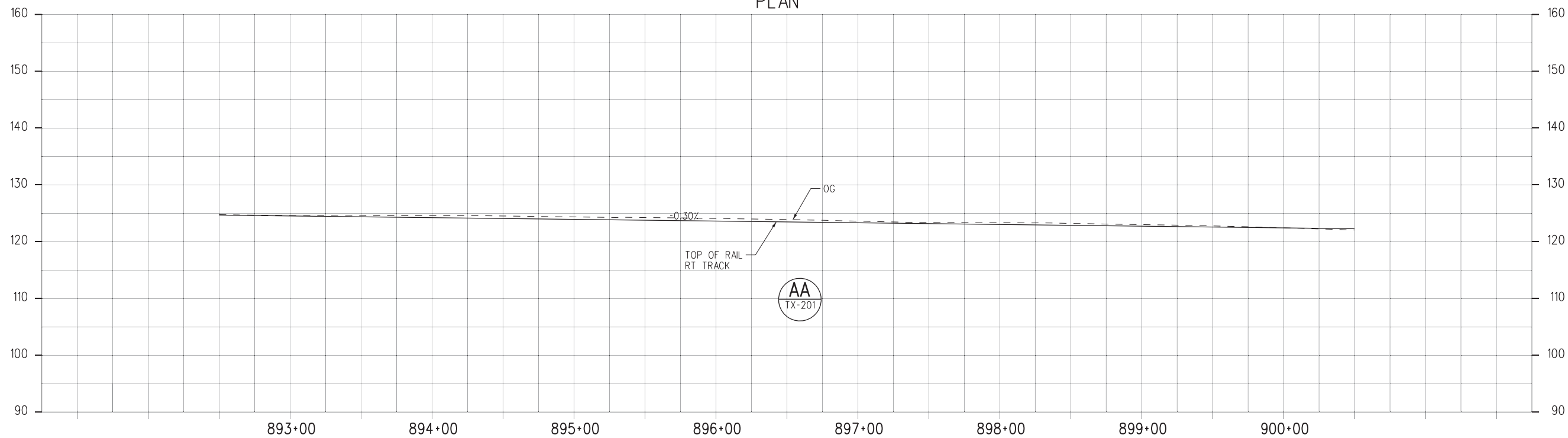
04-MAR-2021 B-28091AT210.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

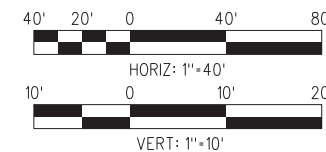
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB	 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470	CONTRACT NO. AE5999300	
REV	DATE	DRAWN BY RM		DRAWING NO. T-210	REV
0	10/8/2020	CHECKED BY RL		SCALE HOR: 1"=40' VERT: 1"=10'	
		IN CHARGE NM		SHEET NO.	76 OF 154
		DATE 10/8/2020			
		FINAL REVISED ACE SUBMITTAL			
		DESCRIPTION			



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT211.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

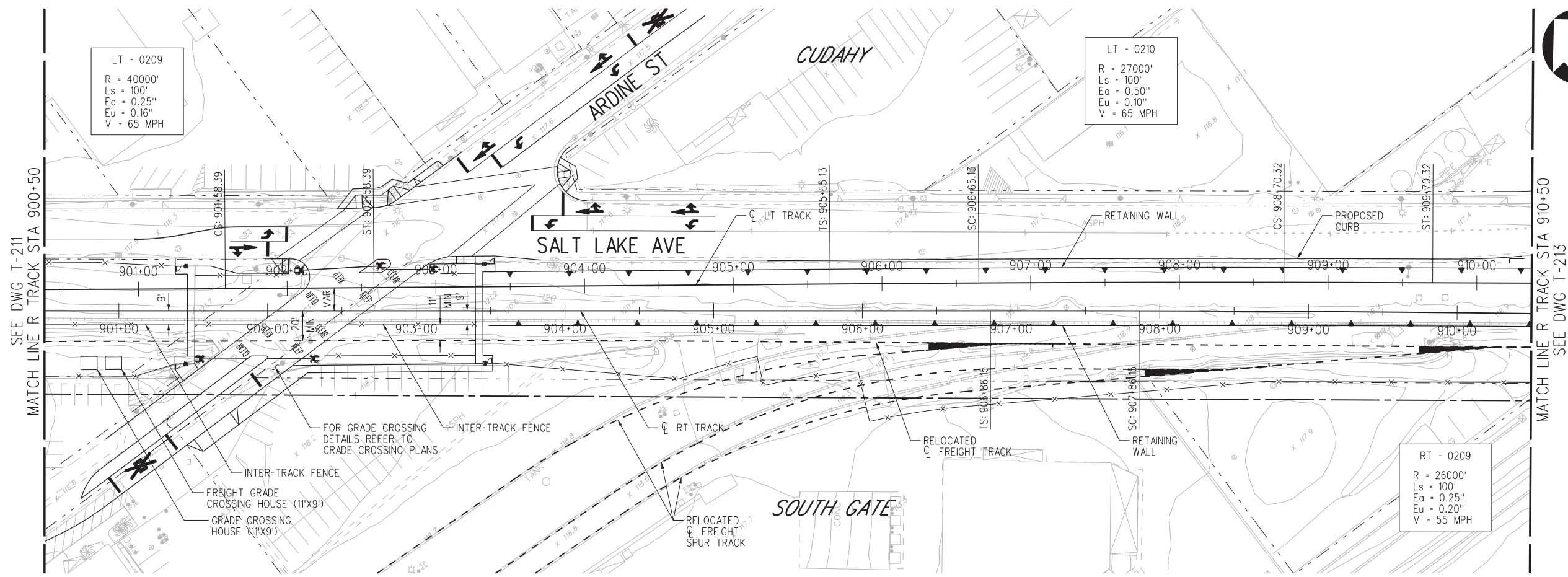


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Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

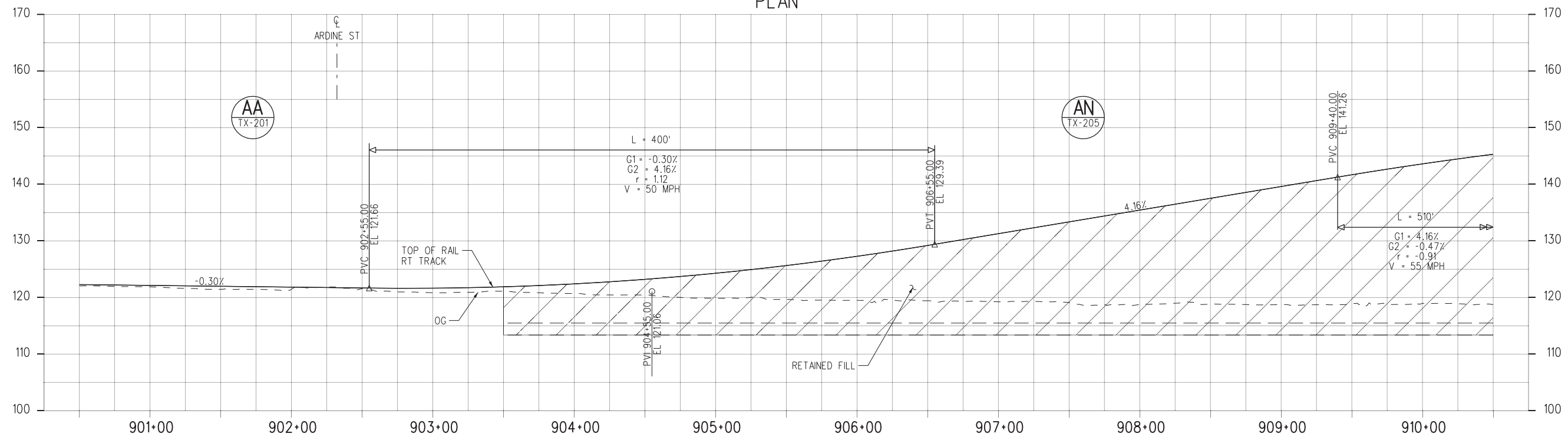
SUBMITTED _____
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 892+50 TO STA 900+50

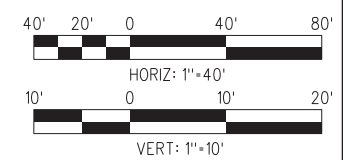
CONTRACT NO. AE5999300
DRAWING NO. T-211
SCALE HORIZ: 1"=40' VERT: 1"=10'
SHEET NO. 77 OF 154



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT212.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
FINAL REVISED ACE SUBMITTAL						
DESCRIPTION						

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro
wsp 444 South Flower Street
 Suite 800
 Los Angeles, CA 90071
 TEL (213) 362-9470

SUBMITTED _____
 APPROVED _____

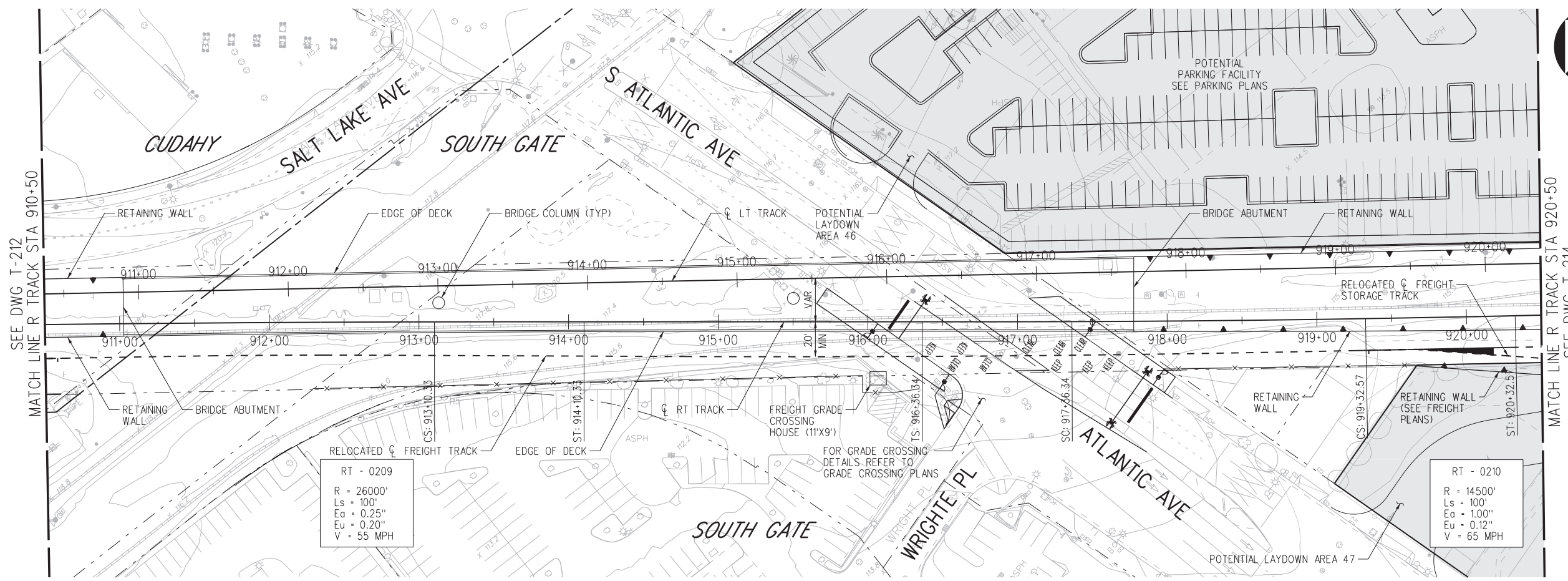
**WEST SANTA ANA BRANCH LRT
 TRACK ALIGNMENT
 ALTERNATIVES 1, 2, AND 3
 PLAN & PROFILE
 STA 900+50 TO STA 910+50**

CONTRACT NO
AE5999300

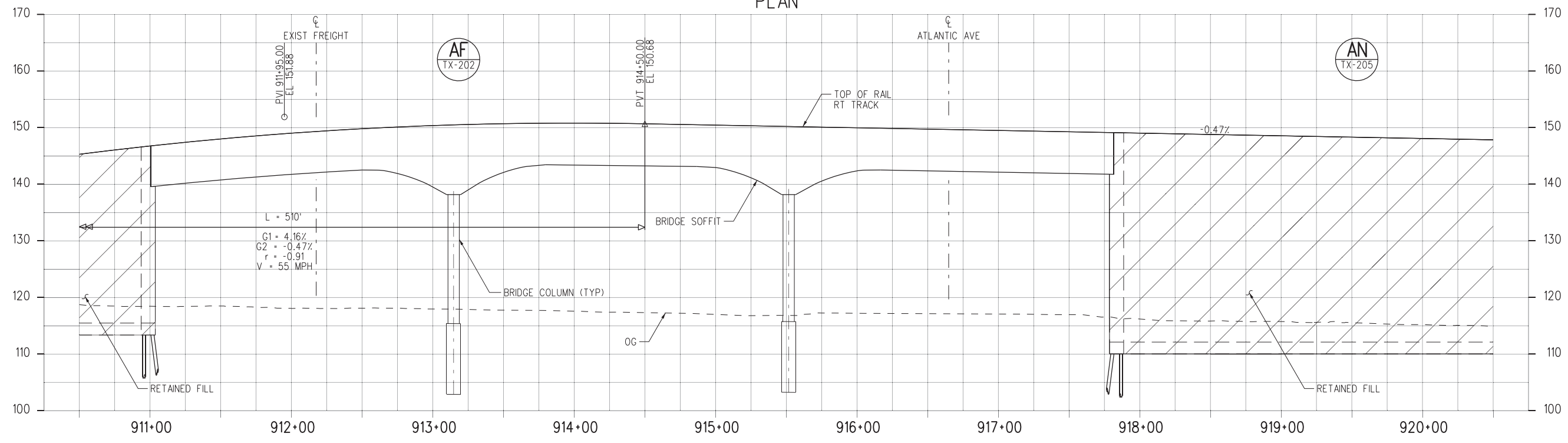
DRAWING NO
T-212

SCALE
HORIZ: 1"=40'
VERT: 1"=10'

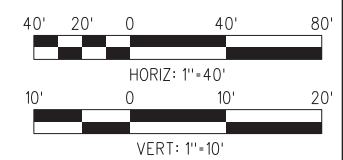
SHEET NO
78 OF 154



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT213.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
						FINAL REVISED ACE SUBMITTAL
						DESCRIPTION

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

Metro

**LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY**

444 South Flower Street
Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

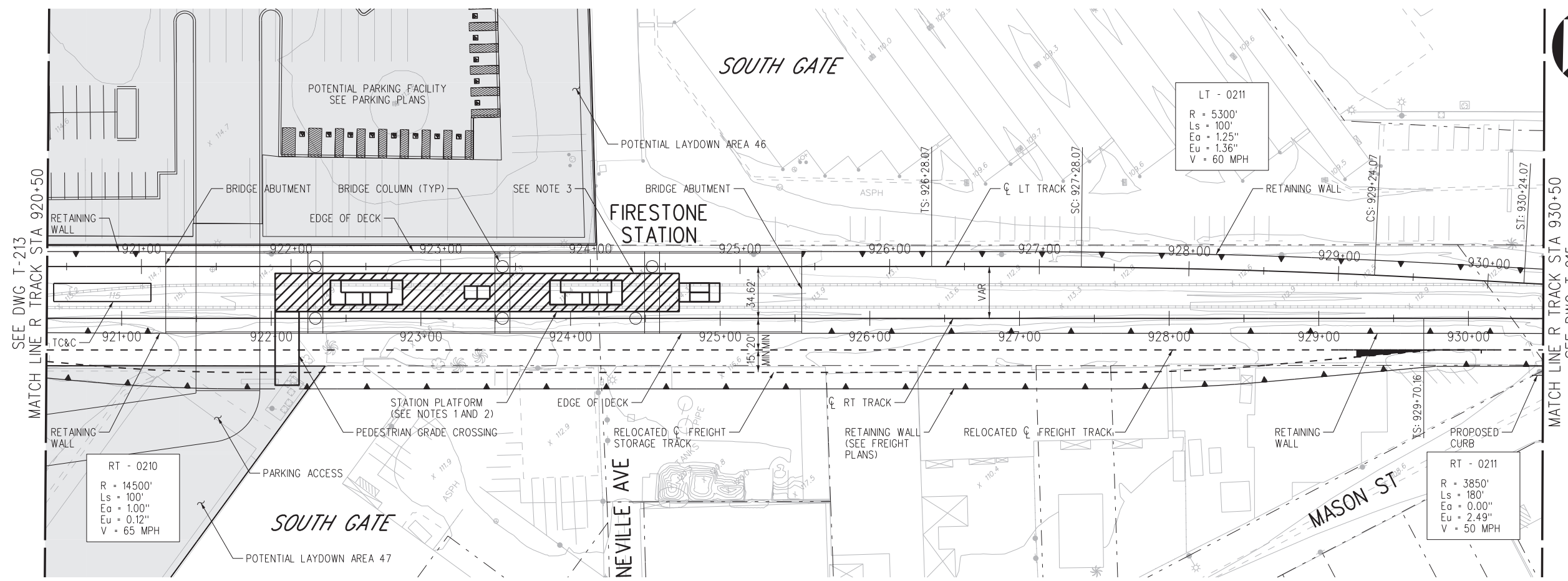
**WEST SANTA ANA BRANCH LRT
TRACK ALIGNMENT
ALTERNATIVES 1, 2, AND 3
PLAN & PROFILE
STA 910+50 TO STA 920+50**

CONTRACT NO. AE5999300
DRAWING NO. T-213
SCALE HORIZ: 1"=40' VERT: 1"=10'
SHEET NO. 79 OF 154

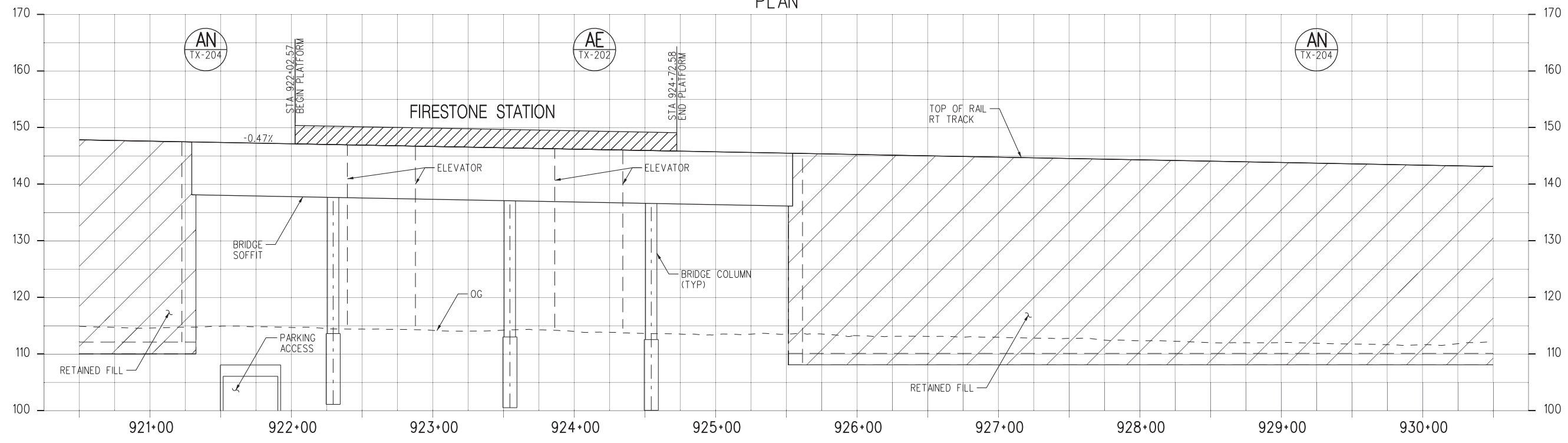


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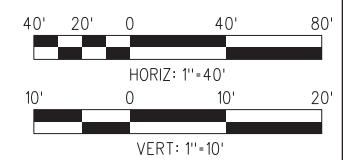
- 1. STATION LAYOUT TO BE DETERMINED. LOCATION SHOWN IS CORRECT.
- 2. FOR STATION LAYOUT SEE STATION SITE PLANS, SHEET A11-001.
- 3. FUTURE PEDESTRIAN ACCESS FROM NORTH TO BE DETERMINED.



PLAN



PROFILE



FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
FINAL REVISED ACE SUBMITTAL						
DESCRIPTION						

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

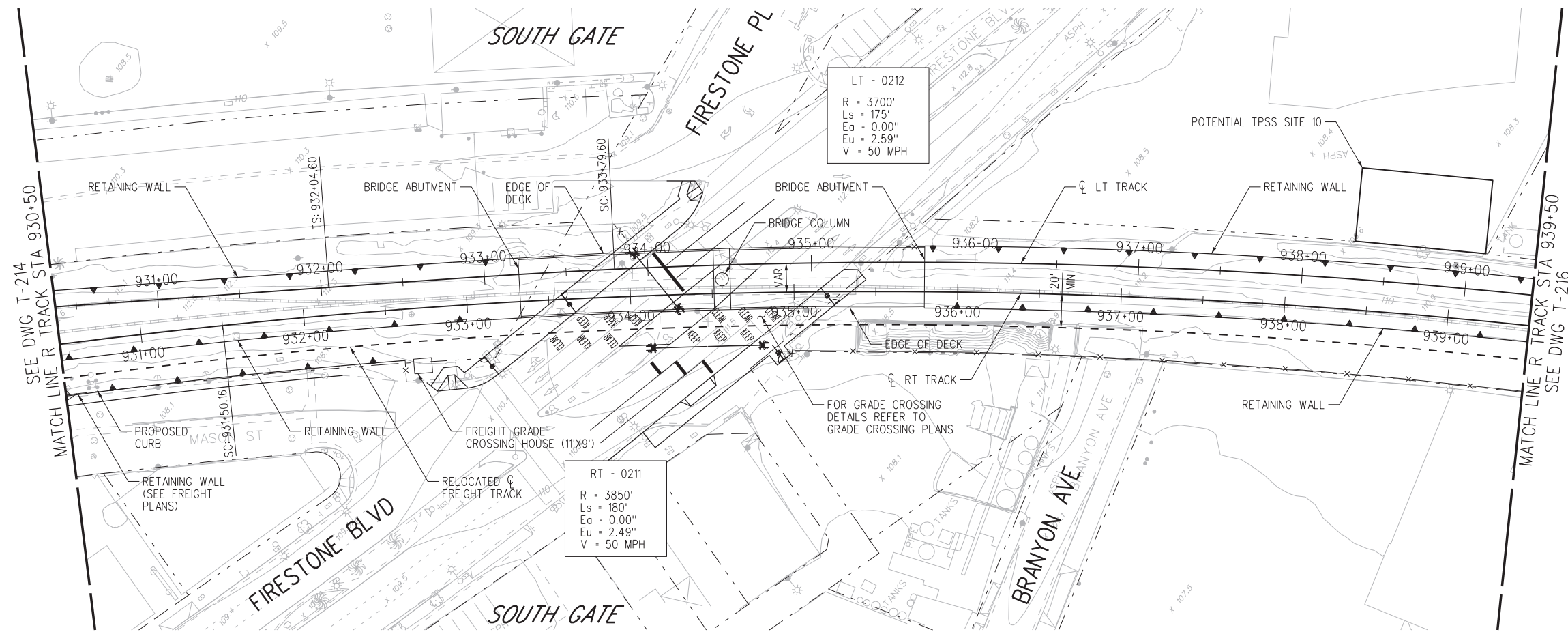
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 APPROVED: _____

NOT FOR CONSTRUCTION

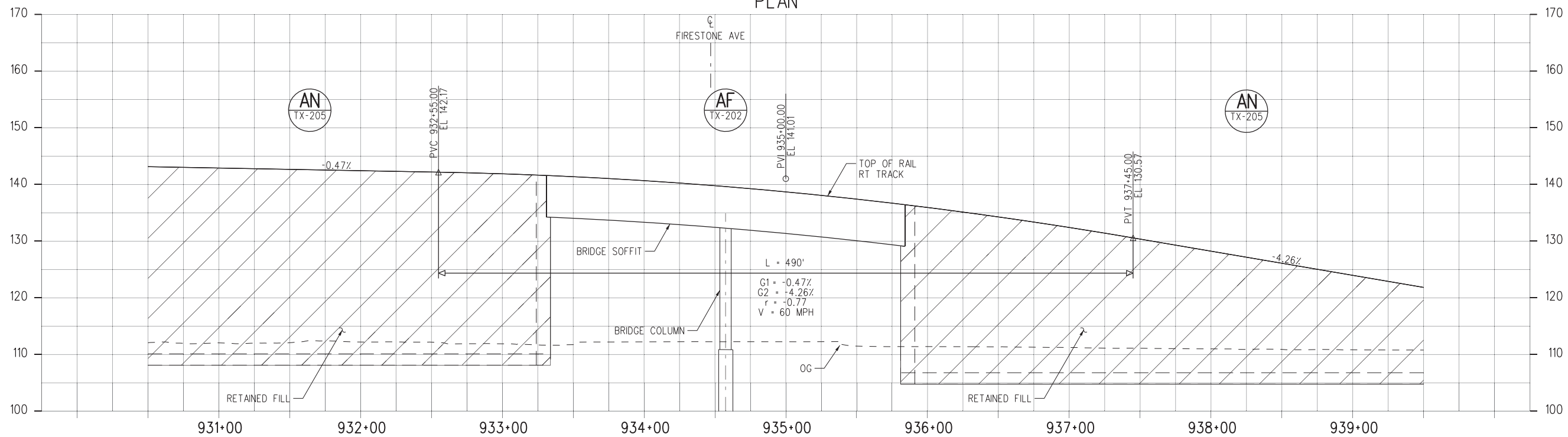
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 920+50 TO STA 930+50

CONTRACT NO. **AE5999300**
 DRAWING NO. **T-214**
 SCALE: **HORIZ: 1"=40' VERT: 1"=10'**
 SHEET NO. **80 OF 154**

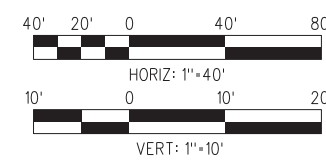
10-MAY-2021 B-28091AT214.plg
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PLAN



PROFILE



NOT FOR CONSTRUCTION

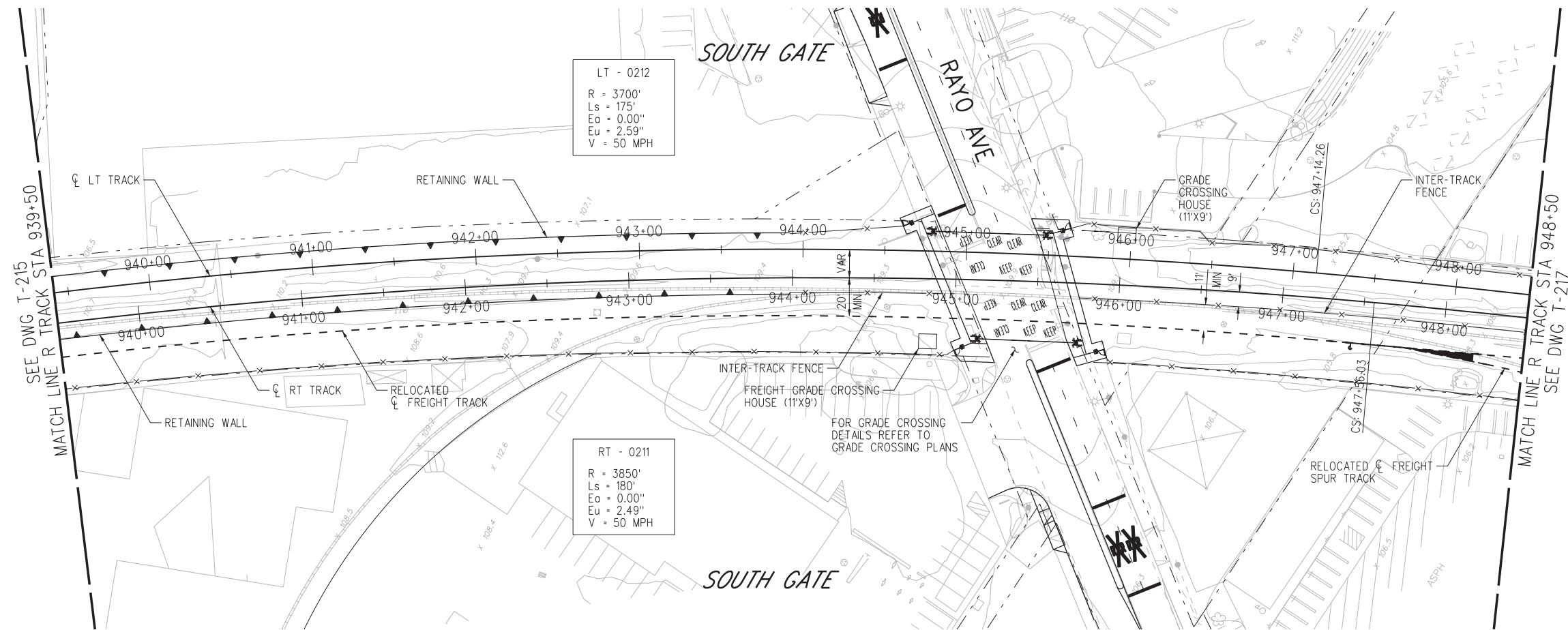
10-MAY-2021 B-28091AT215.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

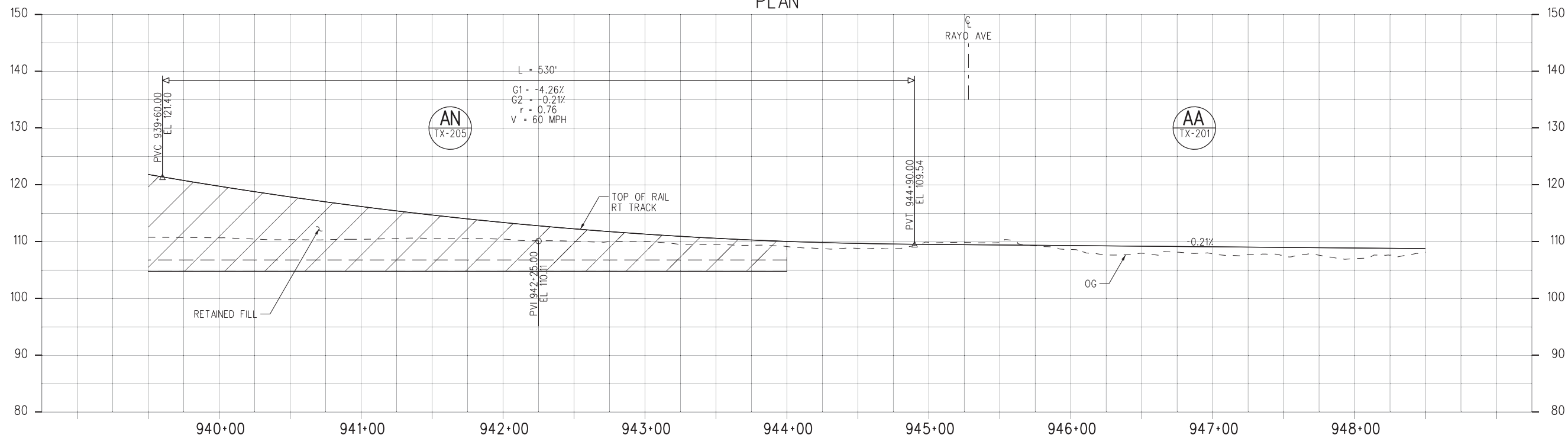
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB	<table border="1"> <tr> <td>REV</td> <td>DATE</td> <td>BY</td> <td>APP</td> <td>REG NO.</td> <td>EXPIRES</td> <td>SEAL HOLDER</td> <td>DESCRIPTION</td> </tr> <tr> <td>0</td> <td>10/8/2020</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>FINAL REVISED ACE SUBMITTAL</td> </tr> </table>	REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	0	10/8/2020						FINAL REVISED ACE SUBMITTAL
REV	DATE	BY		APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION											
0	10/8/2020							FINAL REVISED ACE SUBMITTAL											
		DRAWN BY RM																	
		CHECKED BY RL																	
		IN CHARGE NM																	
		DATE 10/8/2020																	

<p>Metro 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470</p>	SUBMITTED _____ APPROVED _____
--	-----------------------------------

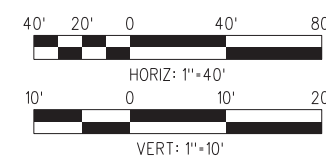
<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>	CONTRACT NO. AE5999300
<p>WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE</p>	DRAWING NO. T-215
<p>STA 930+50 TO STA 939+50</p>	SCALE HORIZ: 1"=40' VERT: 1"=10'
SHEET NO. 81 OF 154	



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT216.plg

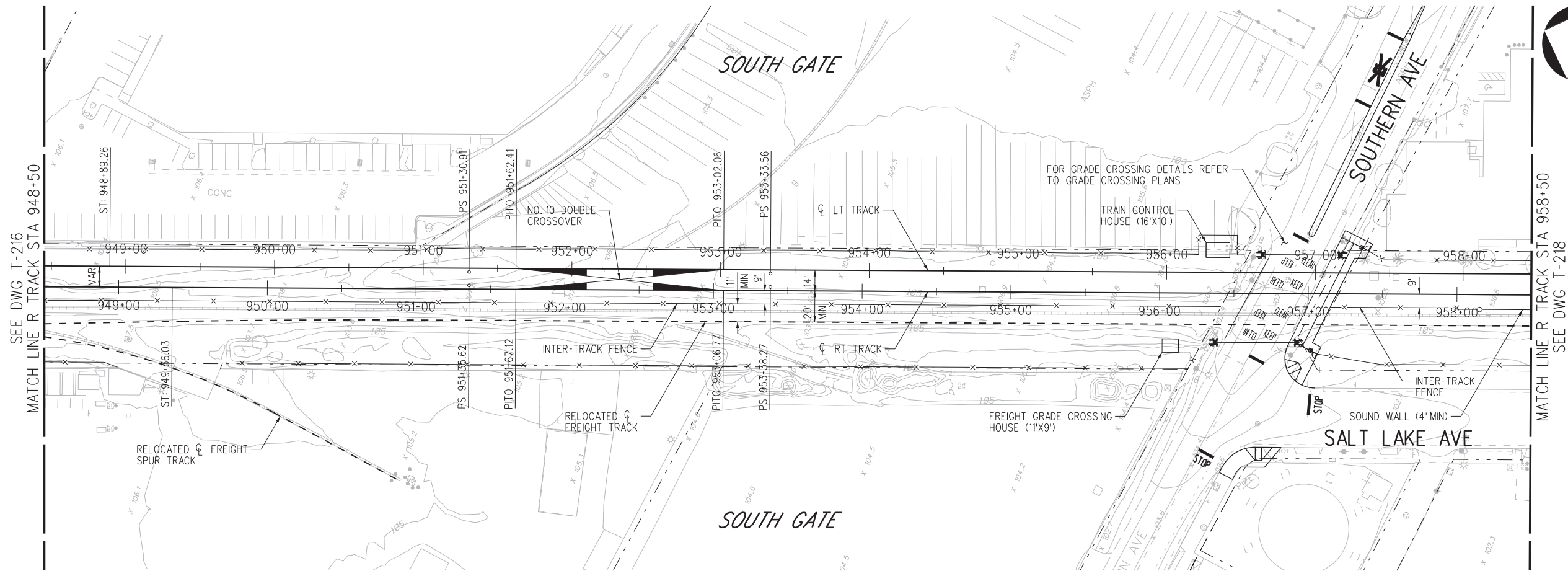
FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB
0	10/8/2020	DRAWN BY RM
REV	DATE	CHECKED BY RL
BY	APP	IN CHARGE NM
REG NO.	EXPIRES	DATE 10/8/2020
SEAL HOLDER	DESCRIPTION	
	FINAL REVISED ACE SUBMITTAL	

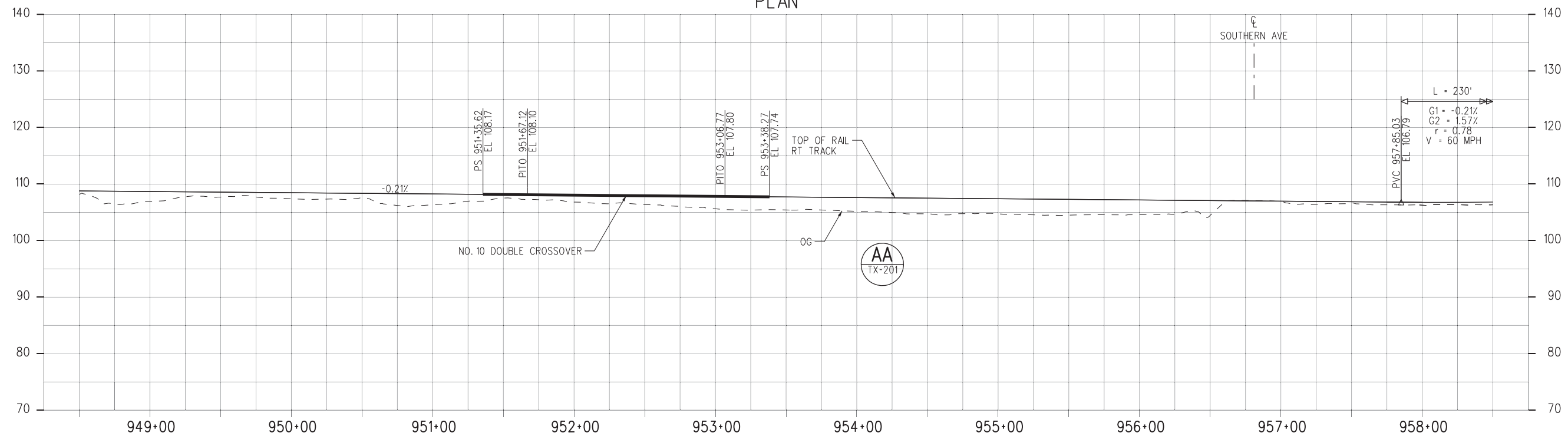
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	
444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470	SUBMITTED _____ APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE
 STA 939+50 TO STA 948+50

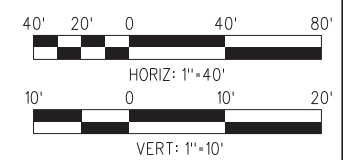
CONTRACT NO.	AE5999300
DRAWING NO.	T-216
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	82 OF 154



PLAN



PROFILE



NOT FOR CONSTRUCTION

04-MAR-2021 B-28091AT217.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
DESIGNED BY	CB	DATE	10/8/2020	APP	REG NO.	EXPIRES
DRAWN BY	RM	BY		SEAL HOLDER		
CHECKED BY	RL	APP		DESCRIPTION	FINAL REVISED ACE SUBMITTAL	
IN CHARGE	NM	DATE	10/8/2020			
DATE	10/8/2020					

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

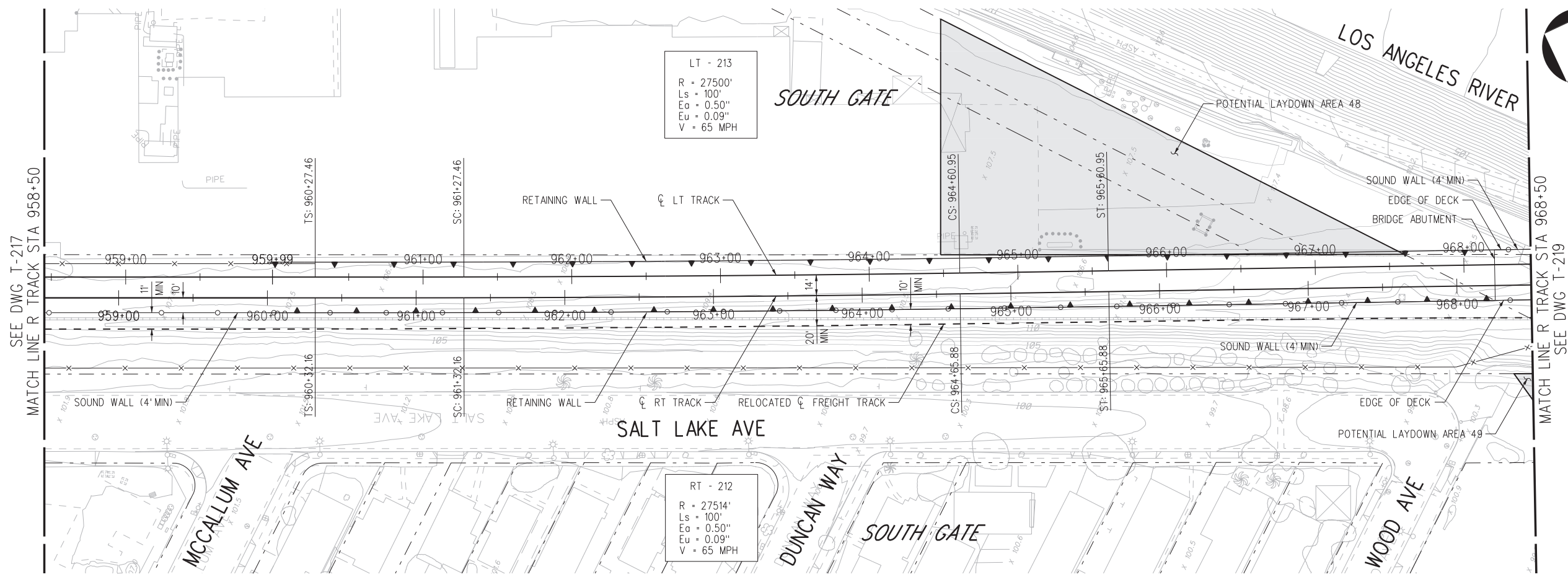
M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

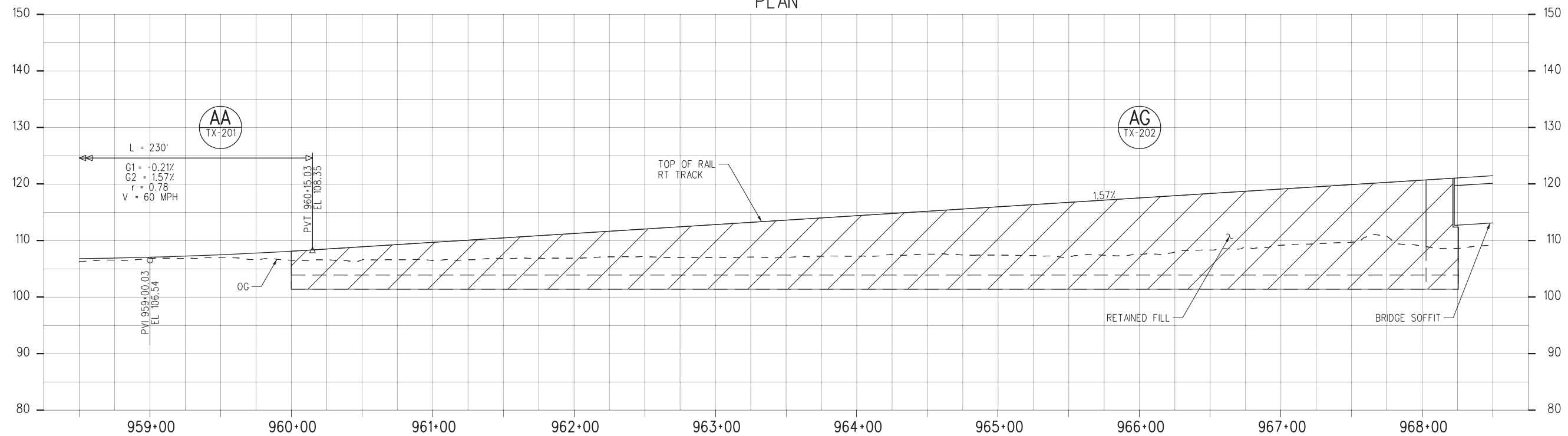
SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT
 TRACK ALIGNMENT
 ALTERNATIVES 1, 2, AND 3
 PLAN & PROFILE
 STA 948+50 TO STA 958+50

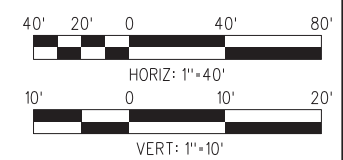
CONTRACT NO.	AE5999300
DRAWING NO.	T-217
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	83 OF 154



PLAN



PROFILE



NOT FOR CONSTRUCTION

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
						DESCRIPTION
						FINAL REVISED ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro
wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____
 APPROVED _____

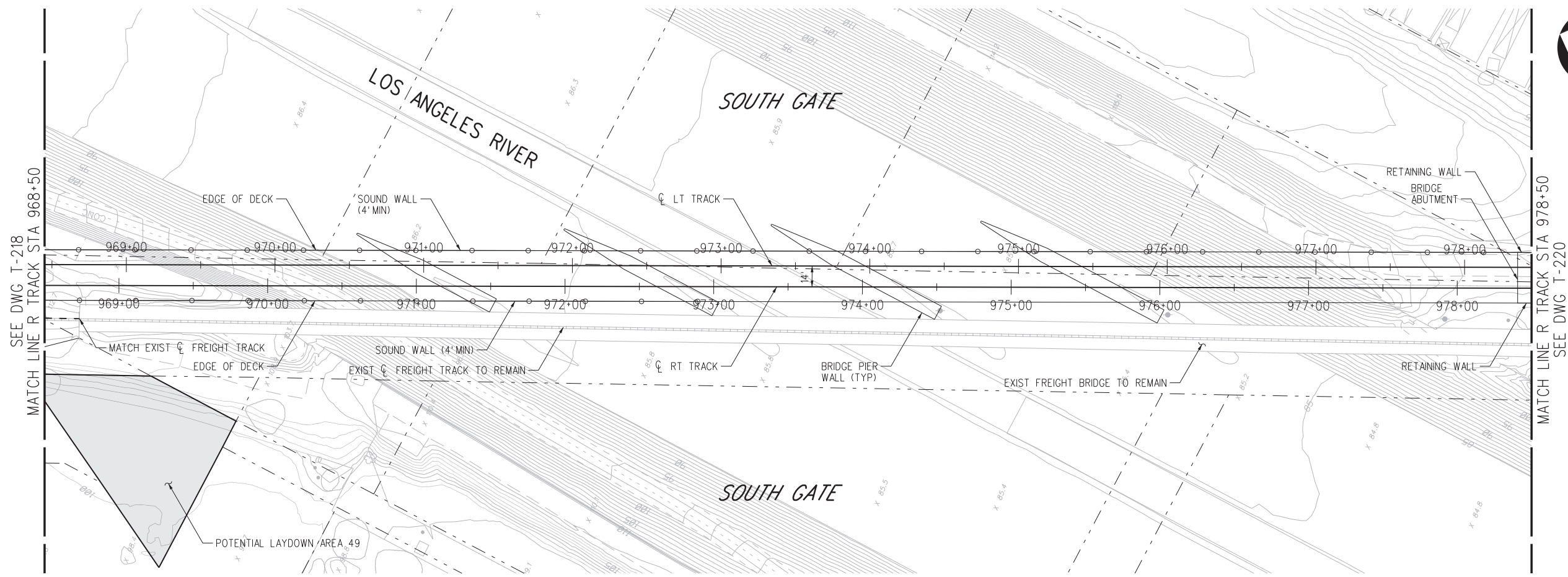
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 958+50 TO STA 968+50

CONTRACT NO. AE5999300	REV
DRAWING NO. T-218	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 84 OF 154	

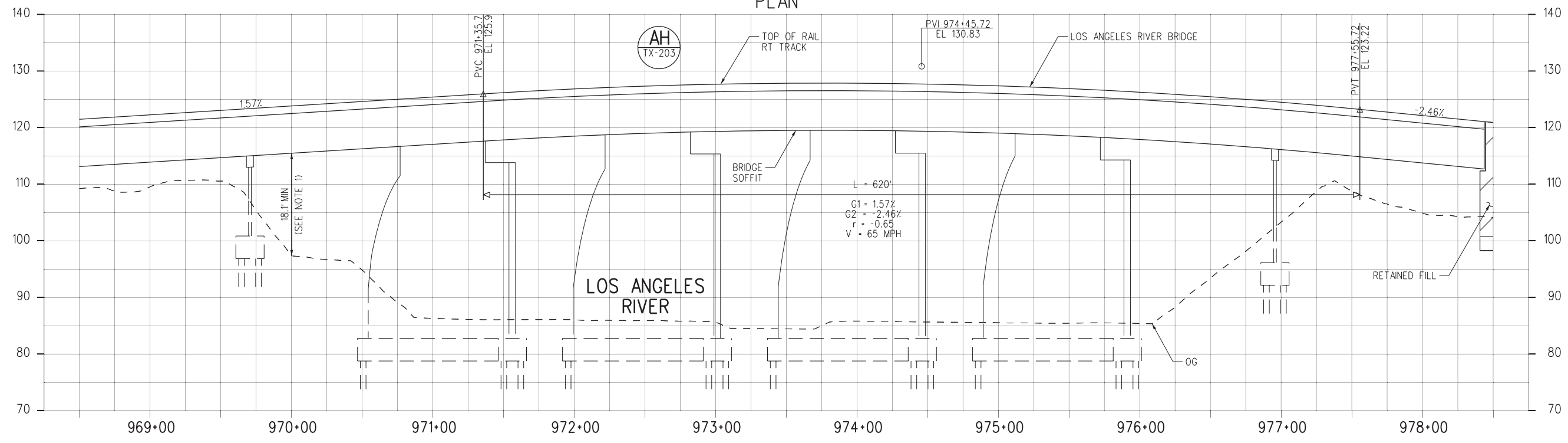
10-MAY-2021 B-28091AT218.plg



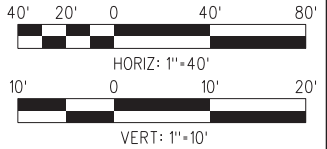
NOTES:
 1. MINIMUM VERTICAL CLEARANCE INCLUDES 3.5' FREEBOARD.



PLAN



PROFILE



FINAL REVISED ACE SUBMITTAL - 10/08/2020

NOT FOR CONSTRUCTION

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 968+50 TO STA 978+50

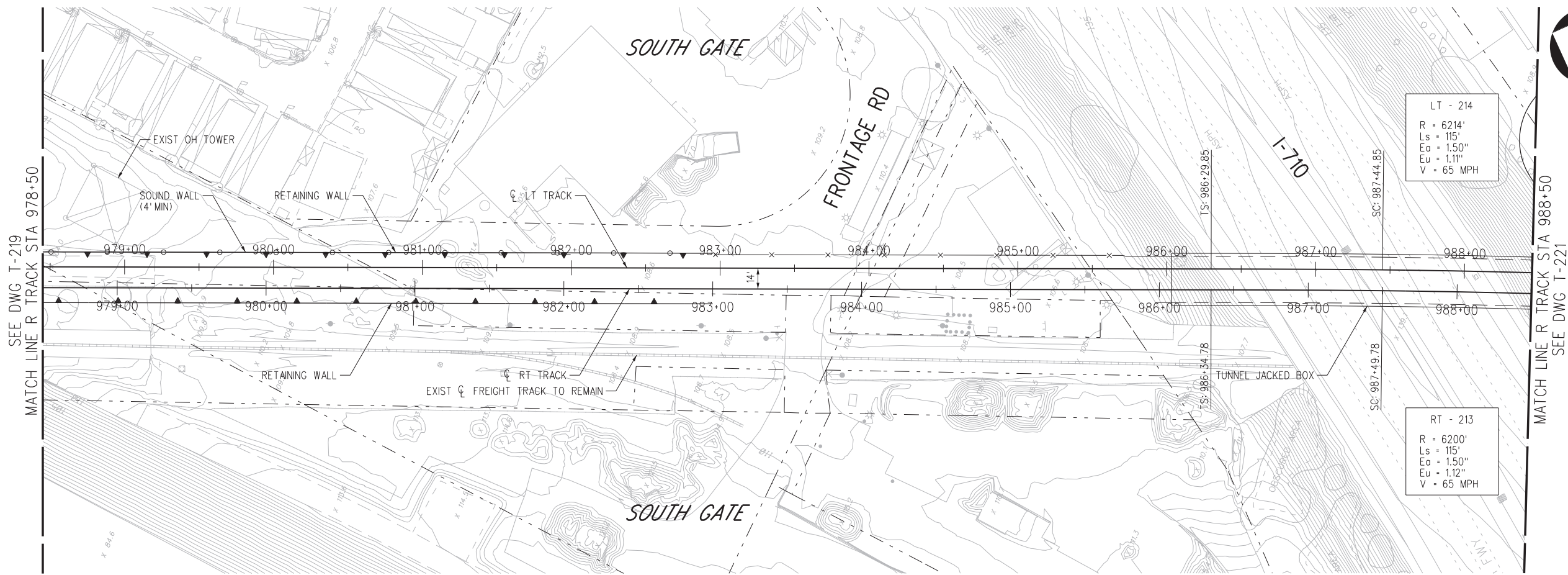
CONTRACT NO. AE5999300
DRAWING NO. T-219
SCALE HOR: 1"=40' VERT: 1"=10'
SHEET NO. 85 OF 154

10-MAY-2021 B-28091AT219.plg



NOTES:

- 1. TPSS 10B LOCATED AT BASE OF I-710 EMBANKMENT BEYOND DRIVEWAY.



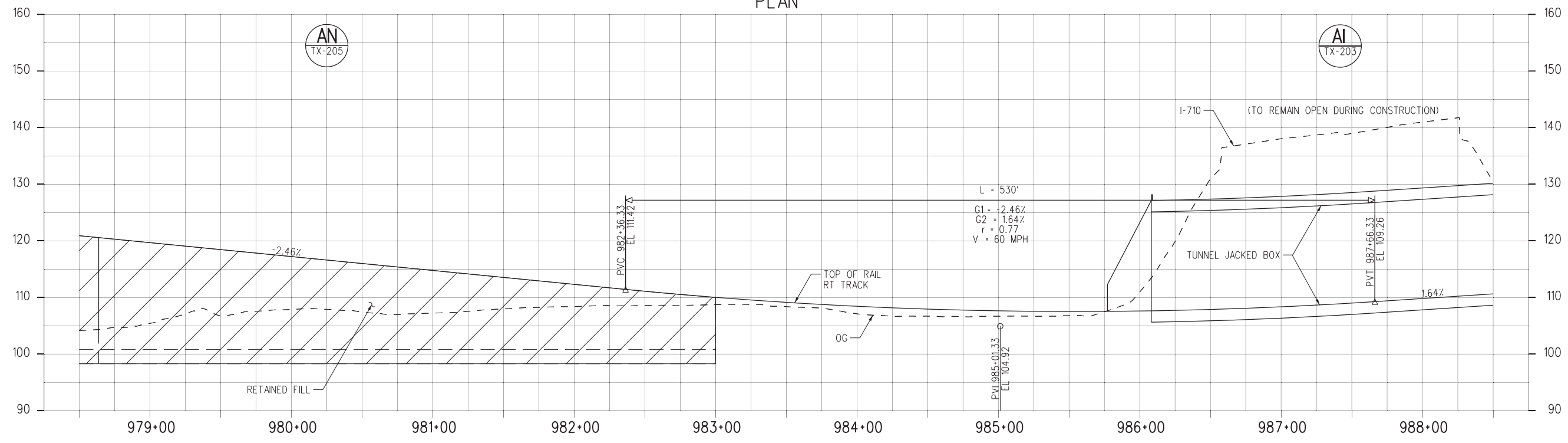
SEE DWG T-219
MATCH LINE R TRACK STA 978+50

MATCH LINE R TRACK STA 988+50
SEE DWG T-221

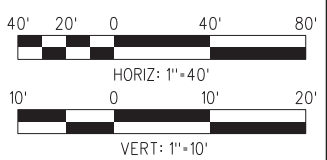
LT - 214
 R = 6214'
 Ls = 115'
 Ea = 1.50"
 Eu = 1.11"
 V = 65 MPH

RT - 213
 R = 6200'
 Ls = 115'
 Ea = 1.50"
 Eu = 1.12"
 V = 65 MPH

PLAN



PROFILE



10-MAY-2021 B-28091AT220.plg
wsppw04-pw-svc 20:51

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB
0	10/8/2020	DRAWN BY RM
		CHECKED BY RL
		IN CHARGE NM
		DATE 10/8/2020
REV	DATE	BY
		APP
		REG NO.
		EXPIRES
		SEAL HOLDER
		DESCRIPTION
		FINAL REVISED ACE SUBMITTAL

<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>	<p>444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470</p>
SUBMITTED _____	APPROVED _____

NOT FOR CONSTRUCTION

CONTRACT NO. AE5999300

DRAWING NO. T-220

SCALE: HORIZ: 1"=40'
VERT: 1"=10'

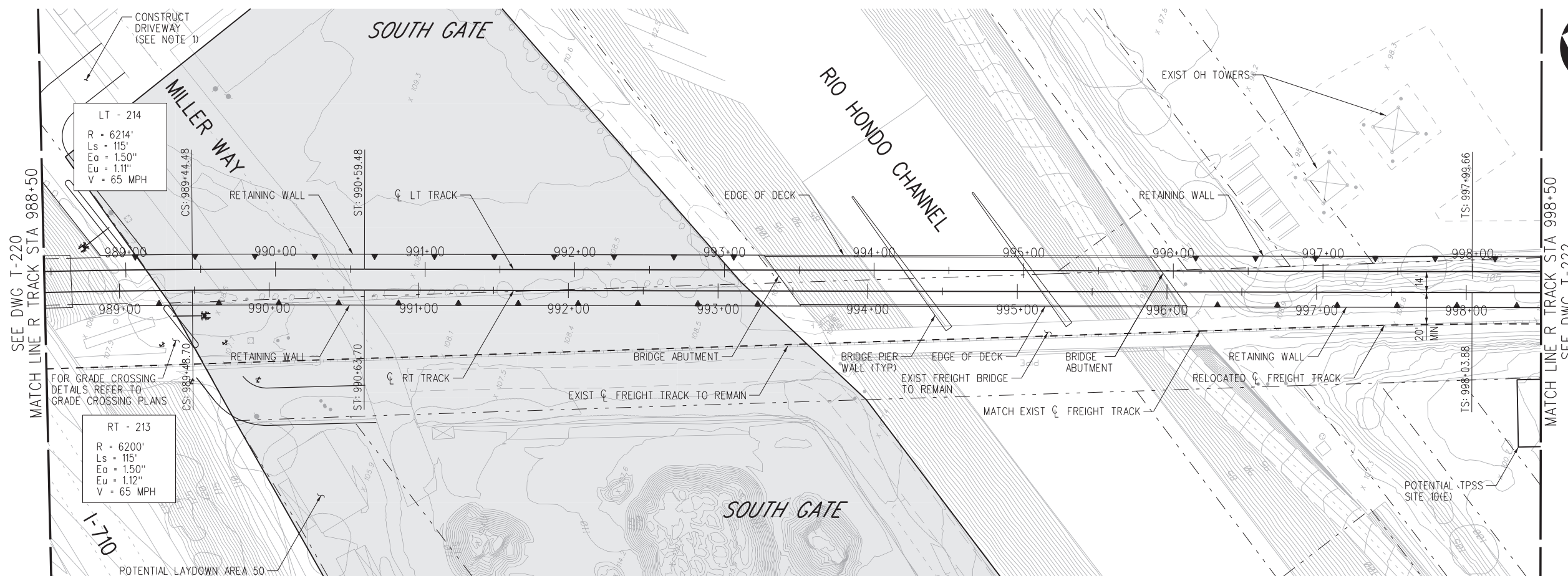
SHEET NO. 86 OF 154

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 978+50 TO STA 988+50

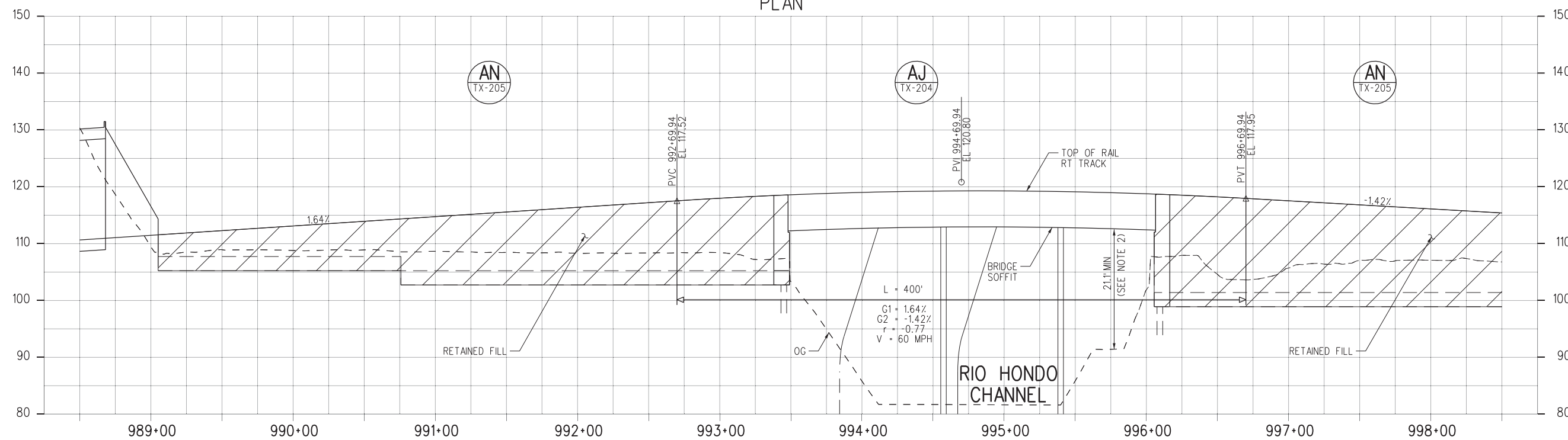


NOTES:

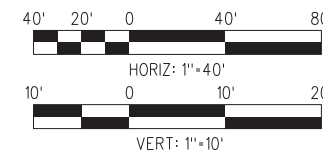
- 1. TPSS 10B LOCATED AT BASE OF I-710 EMBANKMENT BEYOND DRIVEWAY.
- 2. MINIMUM VERTICAL CLEARANCE INCLUDES 3.5' FREEBOARD.



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT221.plg

wsppw04-pw-svc 20:53

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



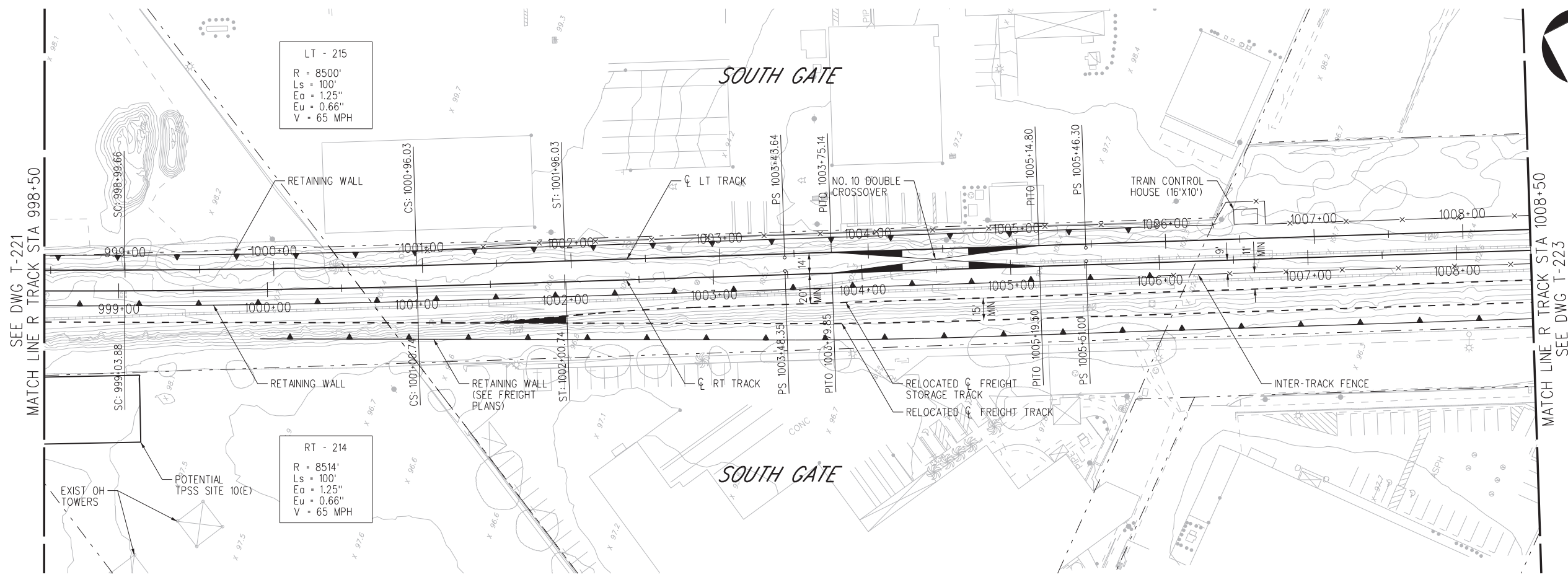
444 South Flower Street
Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

SUBMITTED _____

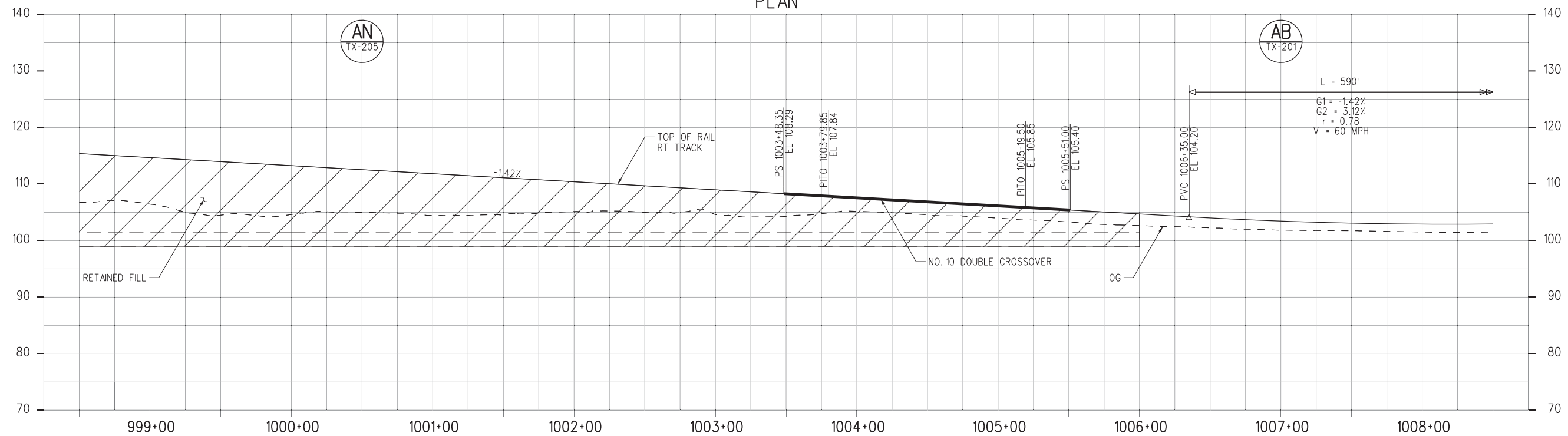
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE STA 988+50 TO STA 998+50

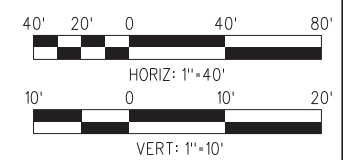
CONTRACT NO. AE5999300	REV
DRAWING NO. T-221	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 87 OF 154	



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT222.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
						FINAL REVISED ACE SUBMITTAL
						DESCRIPTION

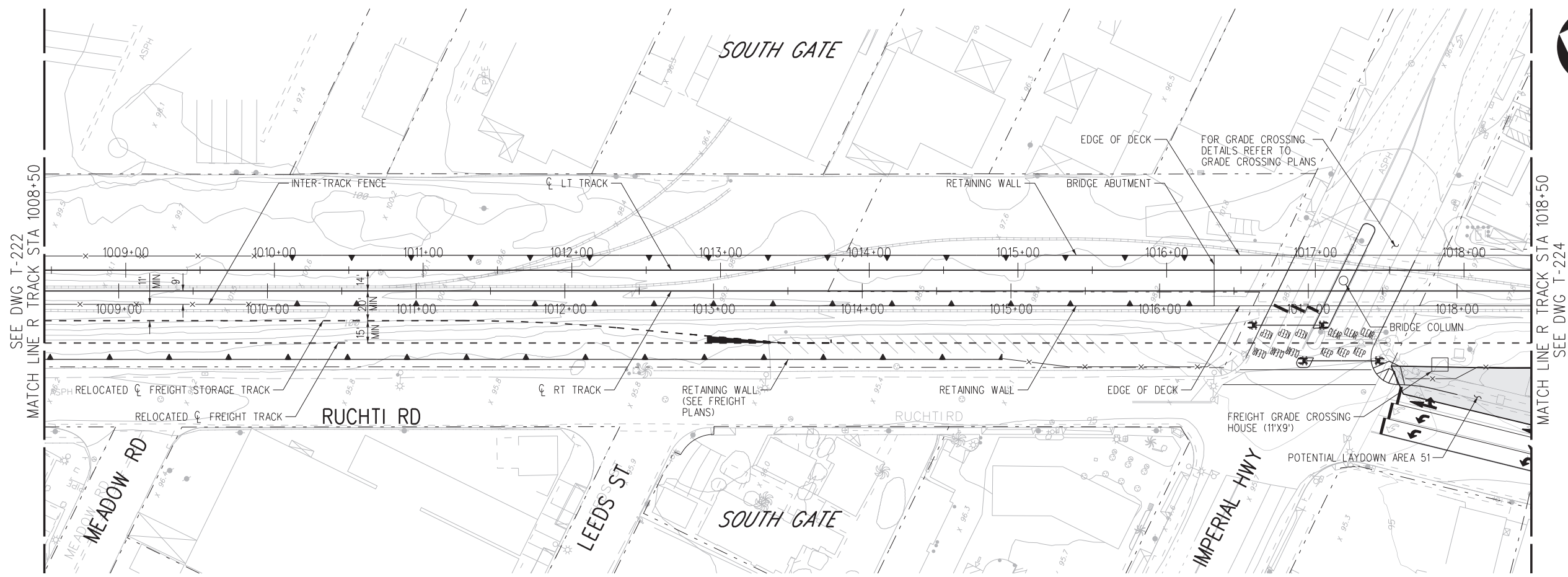
DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro
wsp 444 South Flower Street
 Suite 800
 Los Angeles, CA 90071
 TEL (213) 362-9470

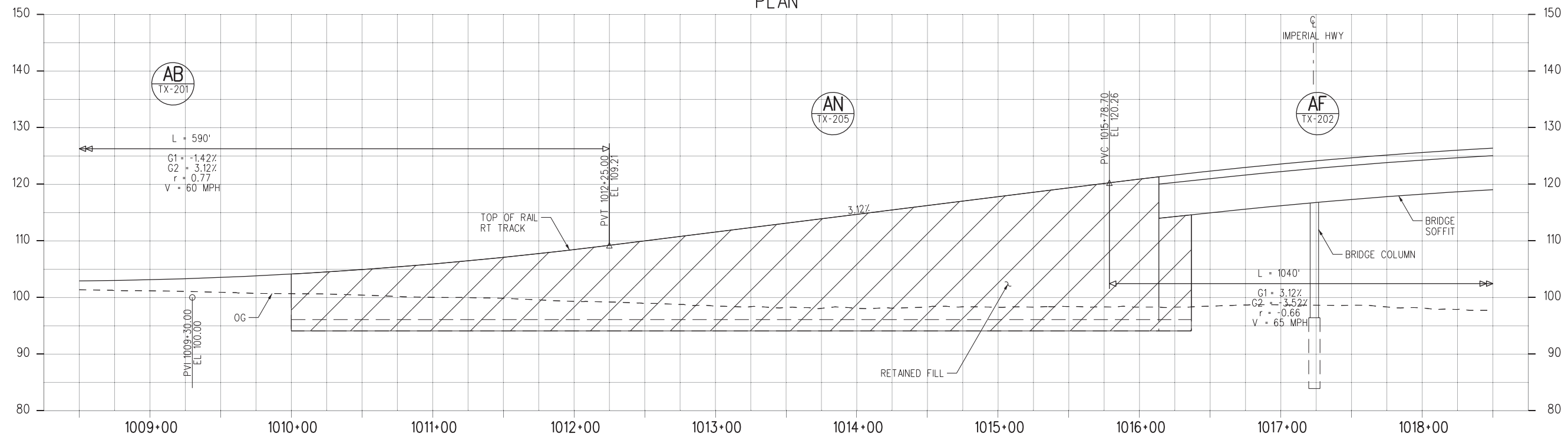
SUBMITTED _____
 APPROVED _____

**WEST SANTA ANA BRANCH LRT
 TRACK ALIGNMENT
 ALTERNATIVES 1, 2, AND 3
 PLAN & PROFILE
 STA 998+50 TO STA 1008+50**

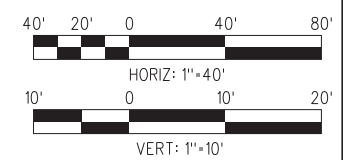
CONTRACT NO. **AE5999300**
 DRAWING NO. **T-222** REV _____
 SCALE **HORIZ: 1"=40'
 VERT: 1"=10'**
 SHEET NO. **88** OF **154**



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT223.plg
wsppw04-pw-svc 20:53

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
DESIGNED BY	CB	DATE	10/8/2020	BY	APP	REG NO.
DRAWN BY	RM	DATE	10/8/2020	BY	APP	REG NO.
CHECKED BY	RL	DATE	10/8/2020	BY	APP	REG NO.
IN CHARGE	NM	DATE	10/8/2020	BY	APP	REG NO.
DATE	10/8/2020	DESCRIPTION	FINAL REVISED ACE SUBMITTAL			
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					

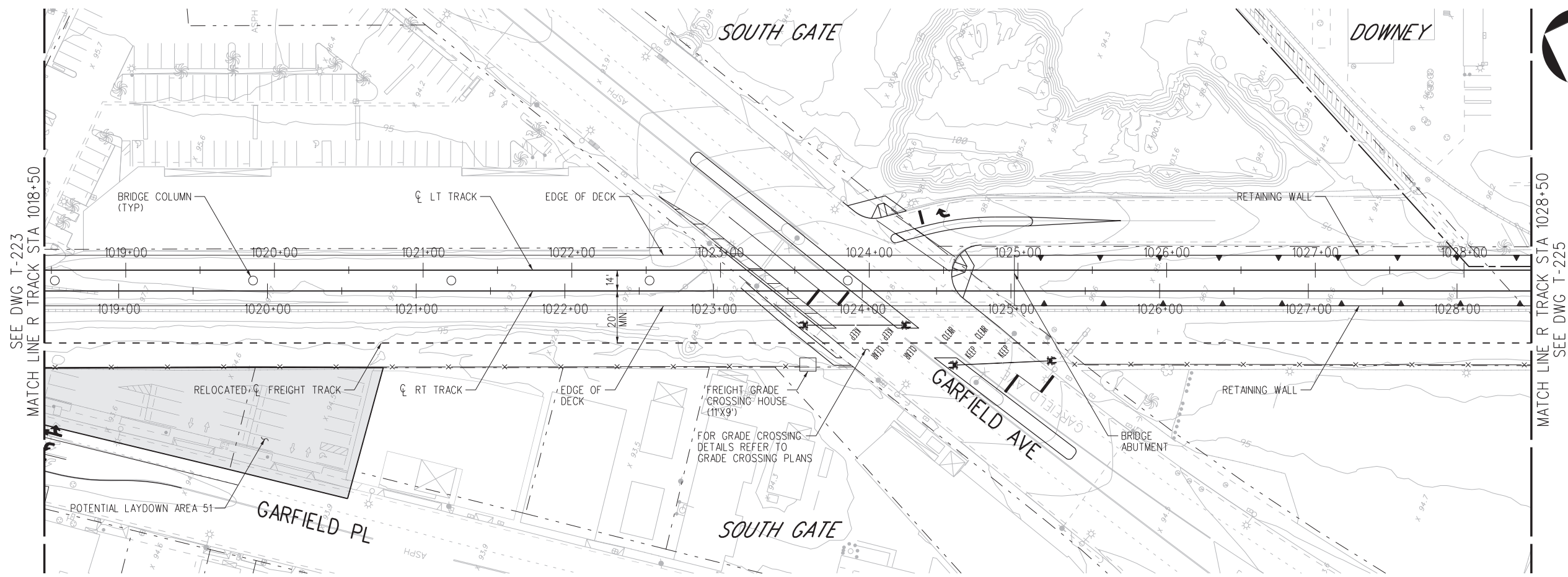
DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

M Metro
wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

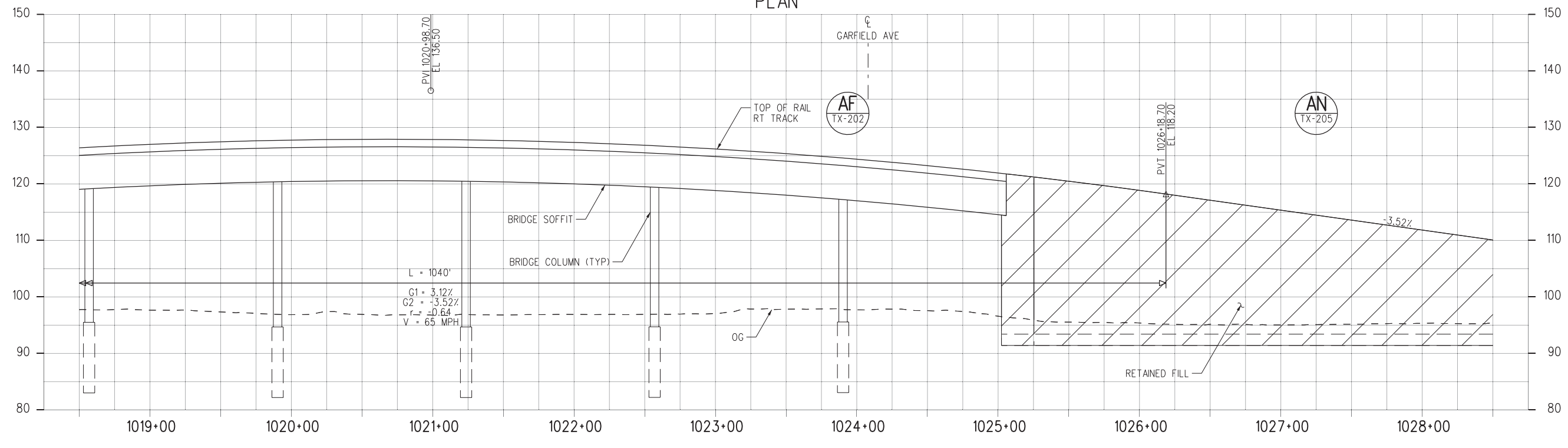
SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT
 TRACK ALIGNMENT
 ALTERNATIVES 1, 2, AND 3
 PLAN & PROFILE
 STA 1008+50 TO STA 1018+50

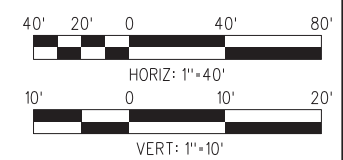
CONTRACT NO.	AE5999300
DRAWING NO.	T-223
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	89 OF 154



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT224.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
						FINAL REVISED ACE SUBMITTAL
						DESCRIPTION

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

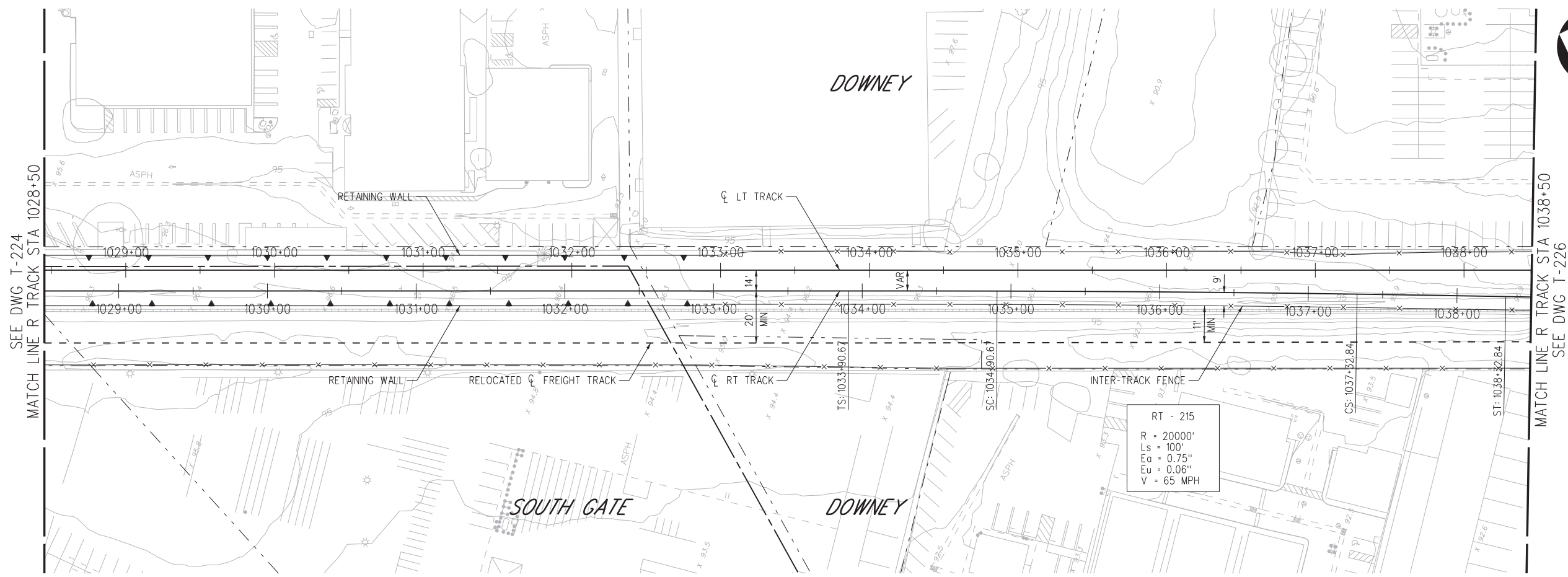
SUBMITTED _____

APPROVED _____

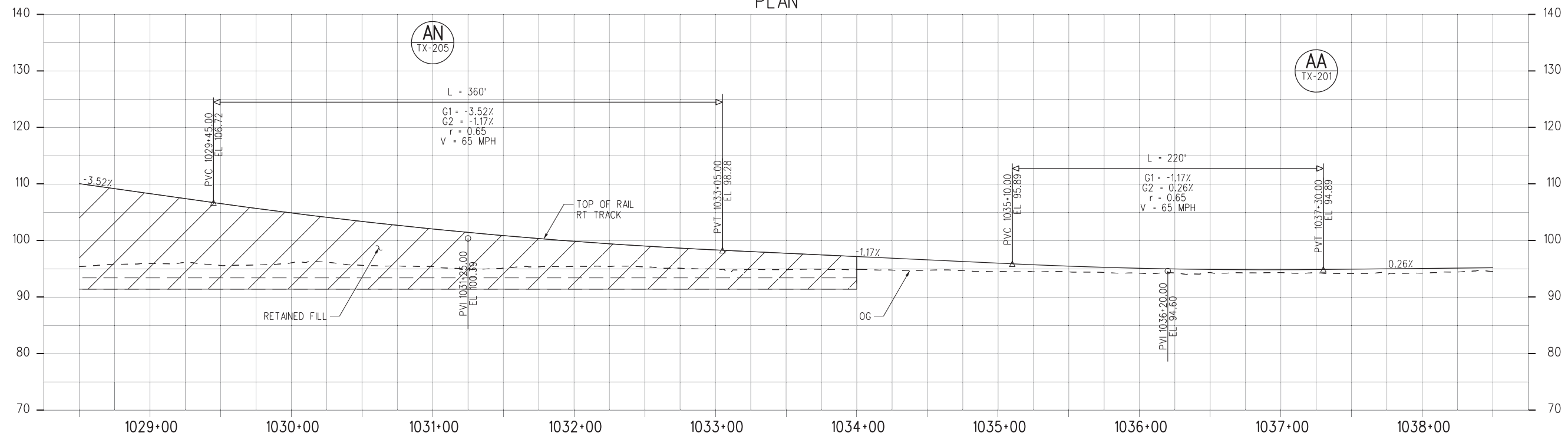
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE

STA 1018+50 TO STA 1028+50

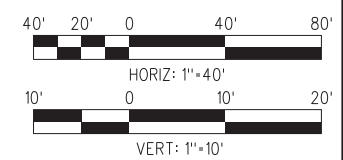
CONTRACT NO AE5999300	
DRAWING NO T-224	REV
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO 90	OF 154



PLAN



PROFILE



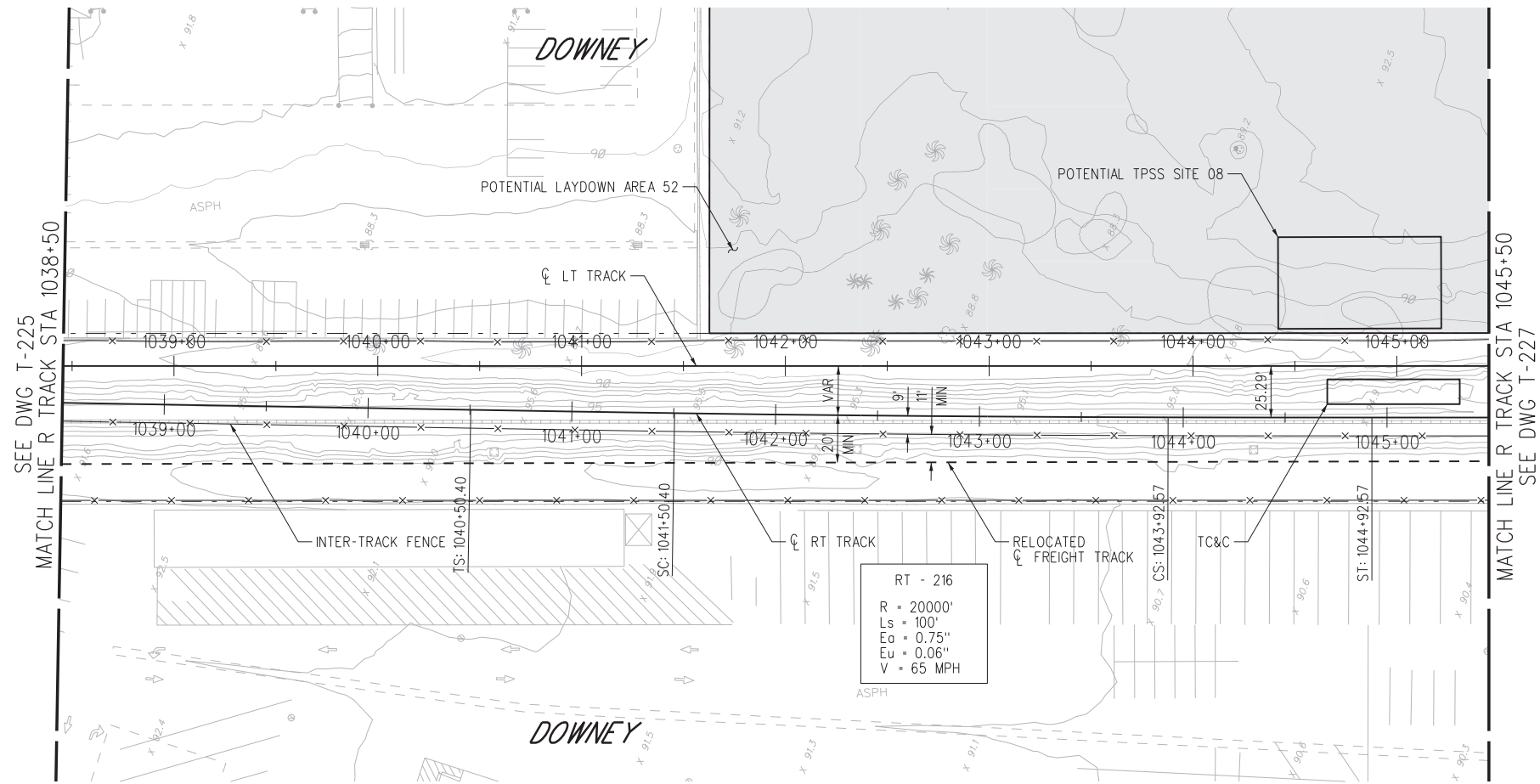
NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT225.plg

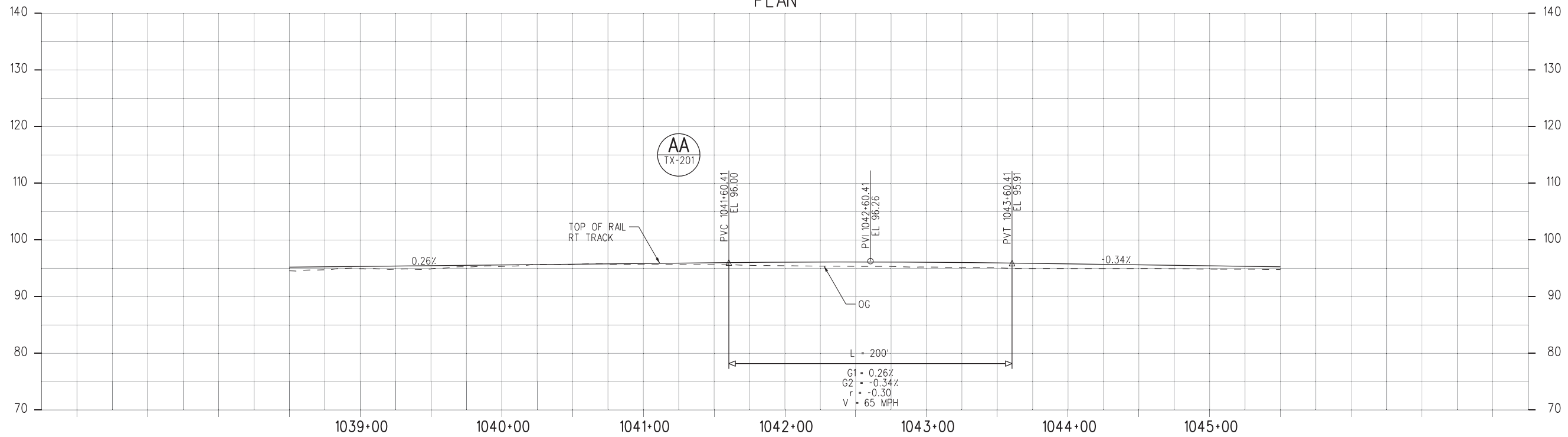
FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB	 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470	CONTRACT NO. AE5999300	
0	10/8/2020	DRAWN BY RM		DRAWING NO. T-225	REV
REV	DATE	CHECKED BY RL		SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO.
		IN CHARGE NM			91 OF 154
		DATE 10/8/2020			
		FINAL REVISED ACE SUBMITTAL	SUBMITTED _____		
		DESCRIPTION	APPROVED _____		

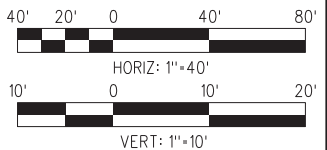
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PLAN



PROFILE



NOT FOR CONSTRUCTION

04-MAR-2021 B-28091AT226.plg

wsppw04-pw-svc 16:23

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
DESIGNED BY	CB	DATE	10/8/2020	BY		APP
DRAWN BY	RM	REG NO.		EXPIRES		SEAL HOLDER
CHECKED BY	RL	DESCRIPTION	FINAL REVISED ACE SUBMITTAL			
IN CHARGE	NM					
DATE	10/8/2020					

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____

APPROVED _____

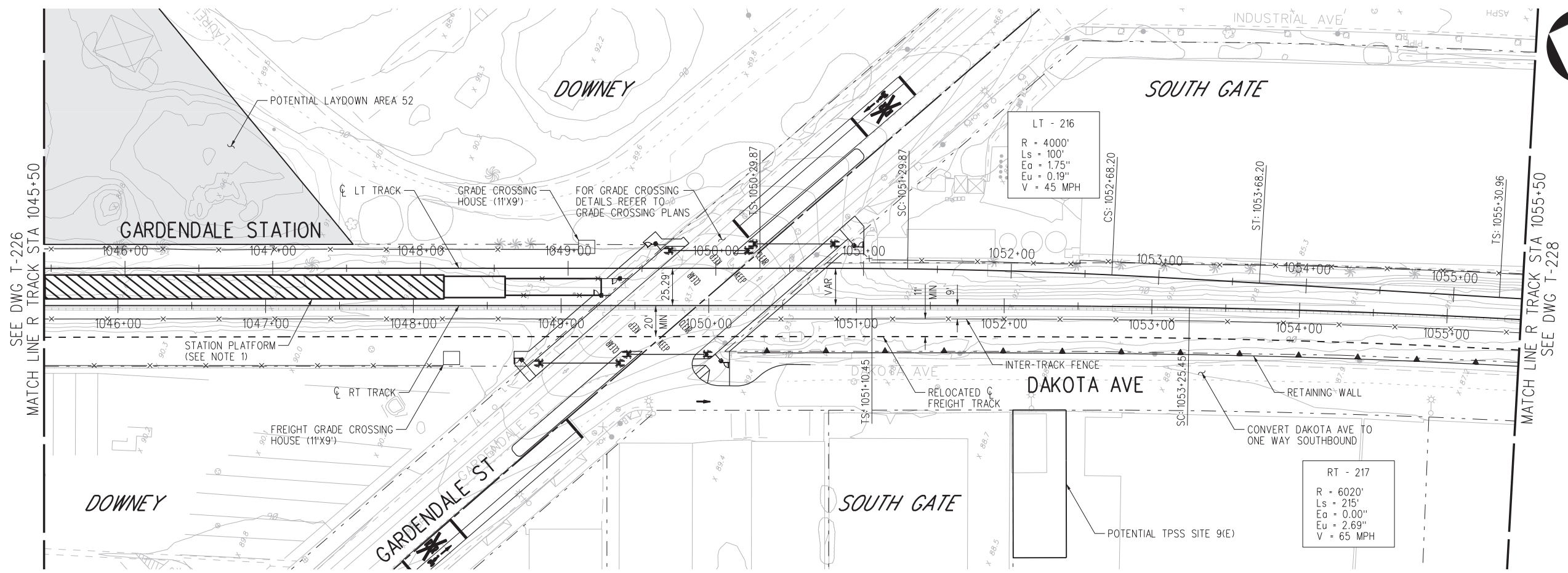
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE

STA 1038+50 TO STA 1045+50

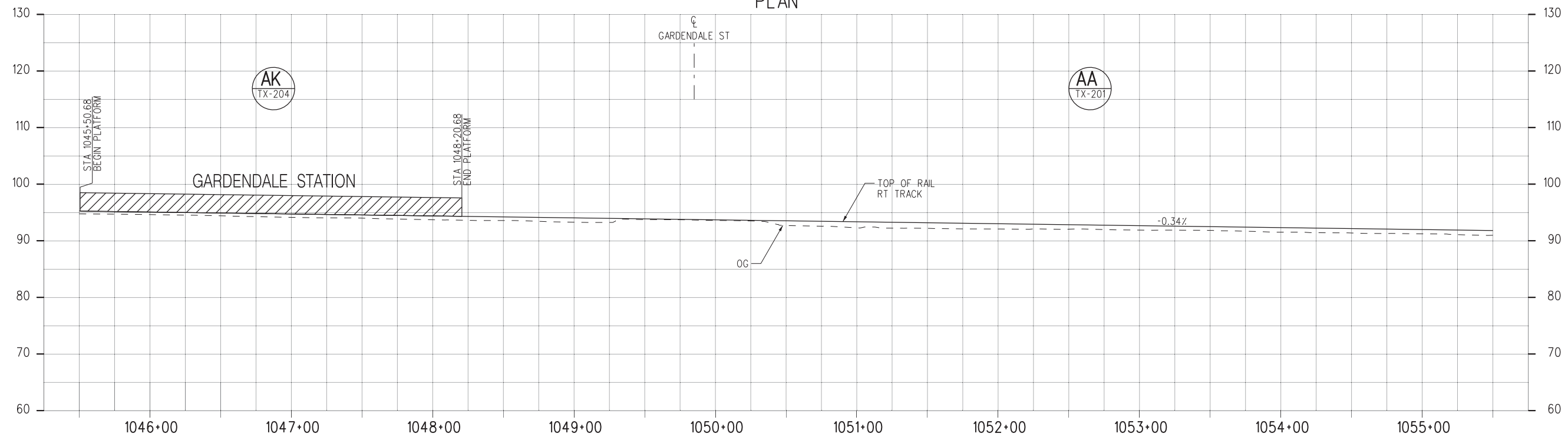
CONTRACT NO.	AE5999300
DRAWING NO.	T-226
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	92 OF 154



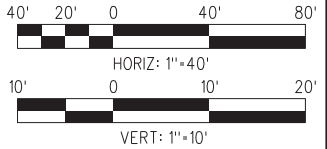
NOTES:
 1. FOR STATION LAYOUT SEE STATION SITE PLANS, SHEET A12-001.



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT227.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
FINAL REVISED ACE SUBMITTAL						
DESCRIPTION						

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

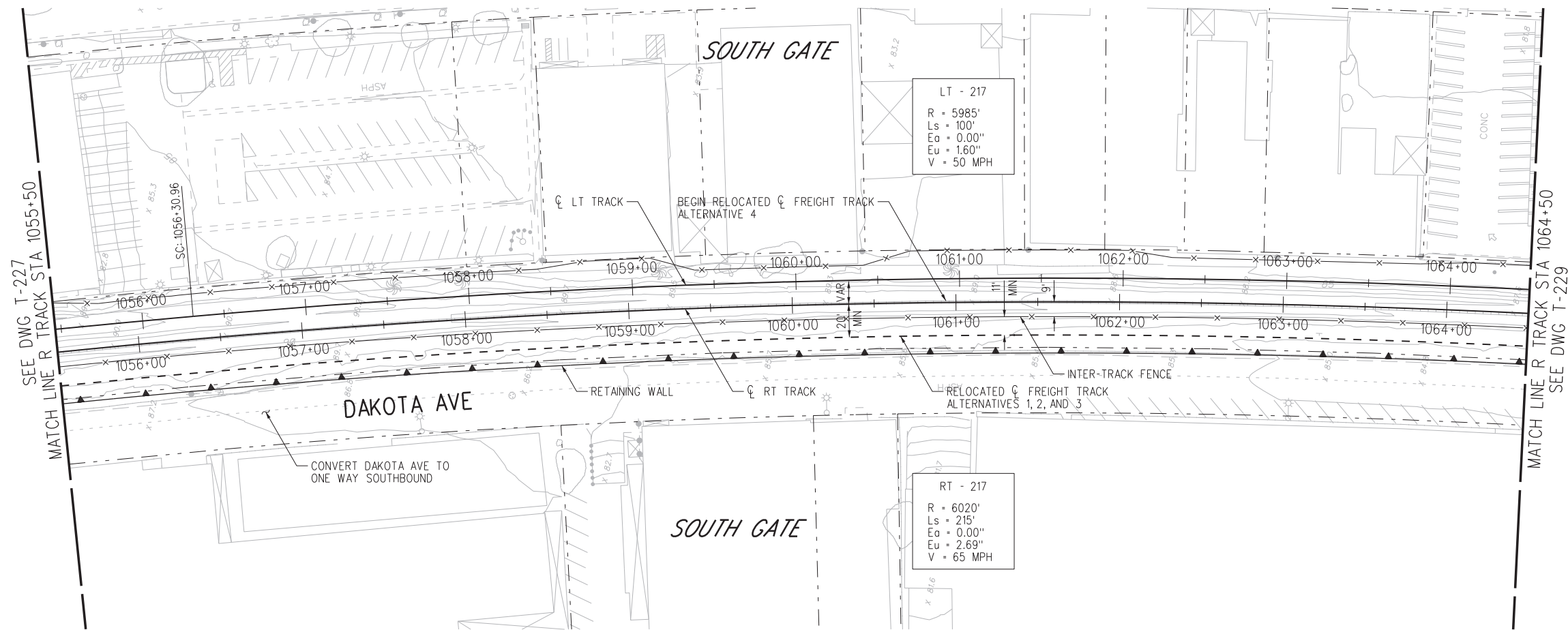
M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

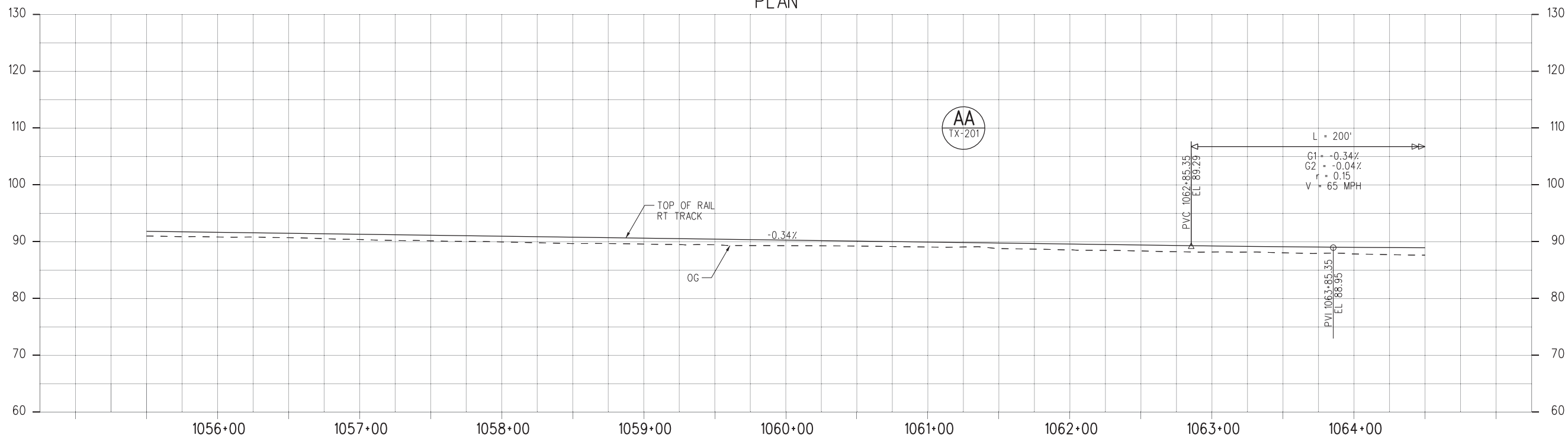
SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, AND 3 PLAN & PROFILE
 STA 1045+50 TO STA 1055+50

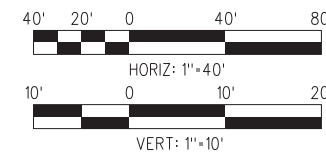
CONTRACT NO. AE5999300	REV
DRAWING NO. T-227	
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO. 93 OF 154	



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT228.plg
wsppw04-pw-svc 20:52

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
DESIGNED BY	CB	DATE	10/8/2020	BY		DESCRIPTION
DRAWN BY	RM	APP		REG NO.		FINAL REVISED ACE SUBMITTAL
CHECKED BY	RL	EXPIRES		SEAL HOLDER		
IN CHARGE	NM					
DATE	10/8/2020					

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

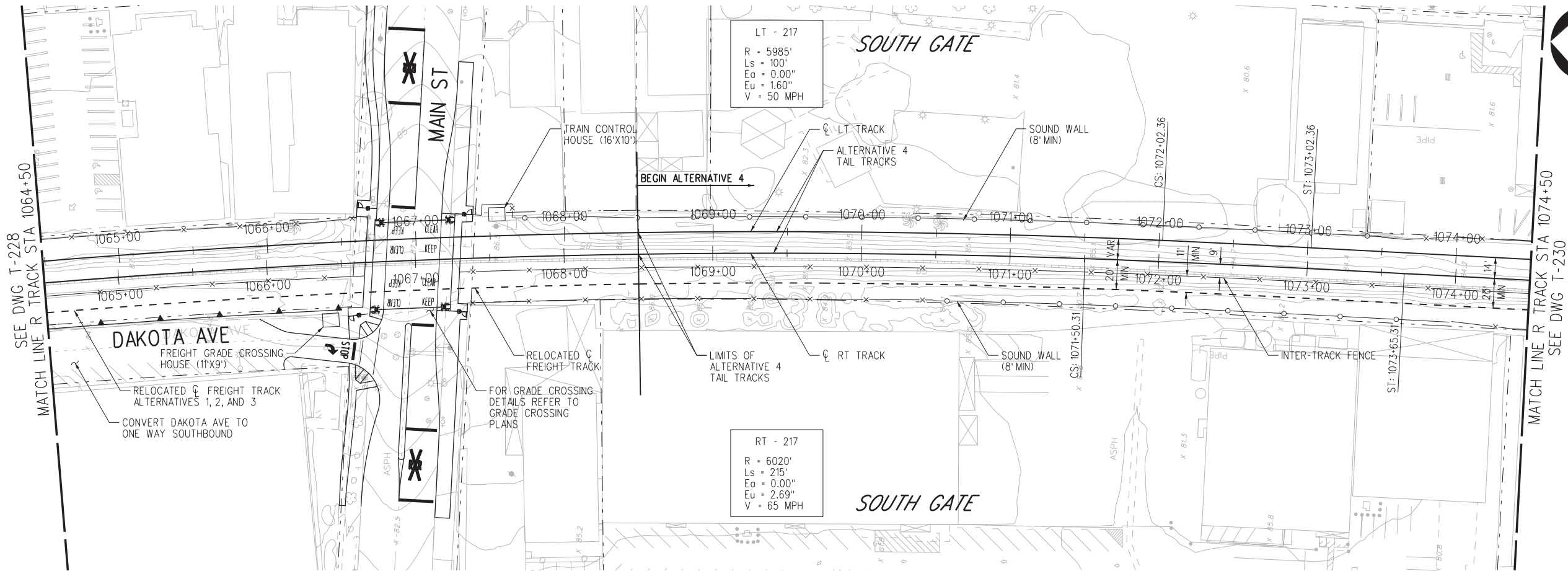
M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

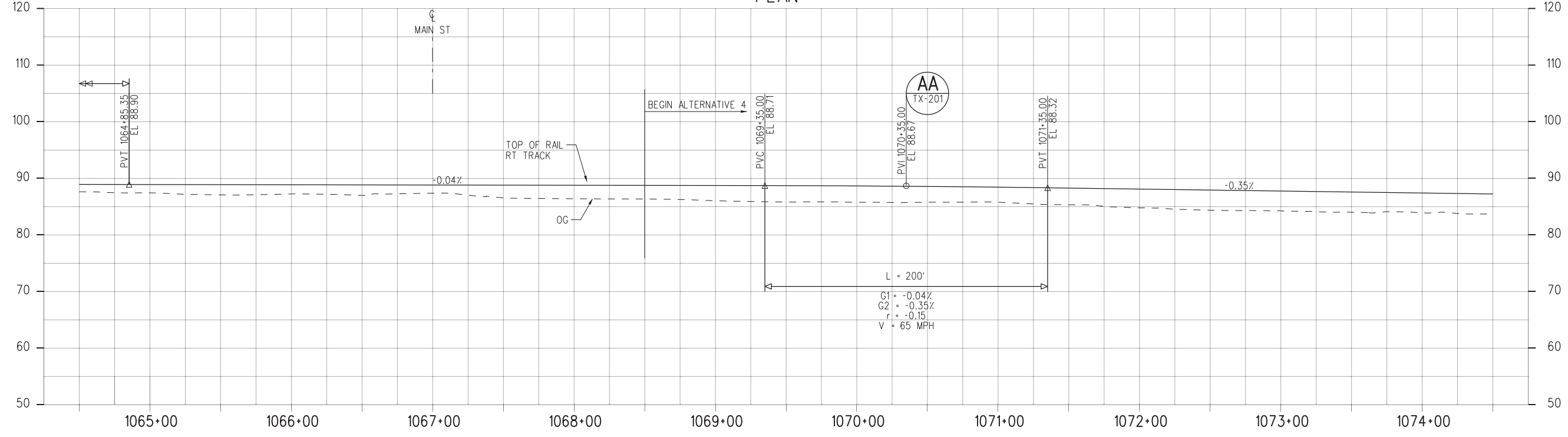
SUBMITTED _____
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1055+50 TO STA 1064+50

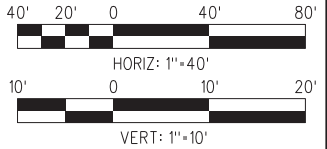
CONTRACT NO.	AE5999300
DRAWING NO.	T-228
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	94 OF 154



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT229.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB
0	10/8/2020	DRAWN BY RM
REV	DATE	CHECKED BY RL
BY	APP	IN CHARGE NM
REG NO.	EXPIRES	DATE 10/8/2020
SEAL HOLDER	DESCRIPTION FINAL REVISED ACE SUBMITTAL	

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

Metro

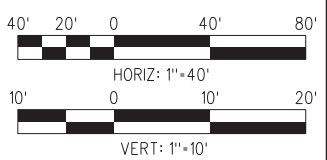
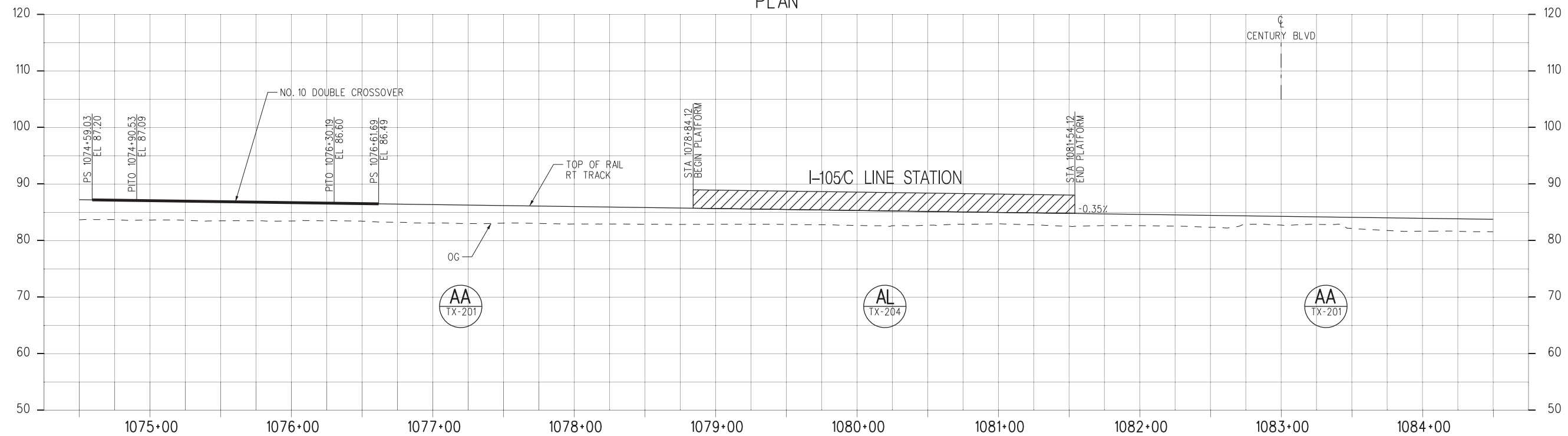
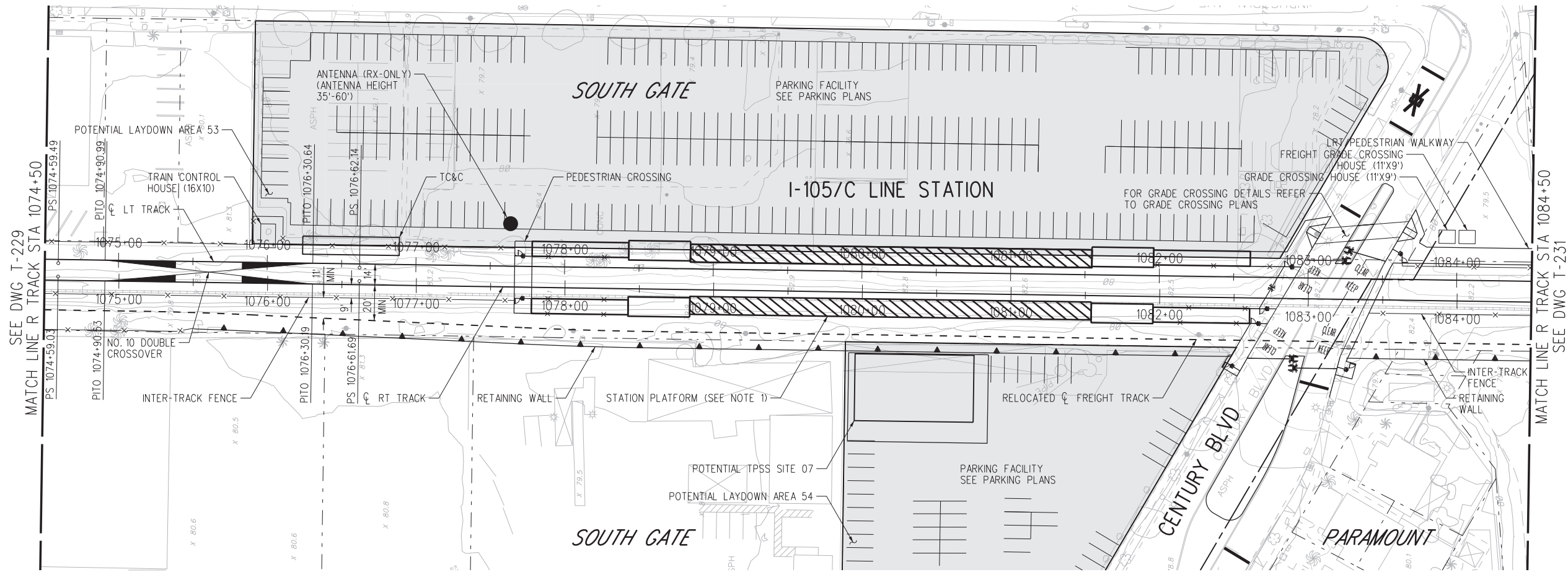
444 South Flower Street
Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

CONTRACT NO. AE5999300
DRAWING NO. T-229
SCALE HOR: 1"=40' VERT: 1"=10'
SHEET NO. 95 OF 154

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1064+50 TO STA 1074+50



NOTES:
 1. FOR STATION LAYOUT SEE STATION SITE PLANS, SHEET A13-001.



FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

Metro

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED: _____

APPROVED: _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1074+50 TO STA 1084+50

CONTRACT NO. **AE5999300**

DRAWING NO. **T-230**

SCALE: **HORIZ: 1"=40'**
VERT: 1"=10'

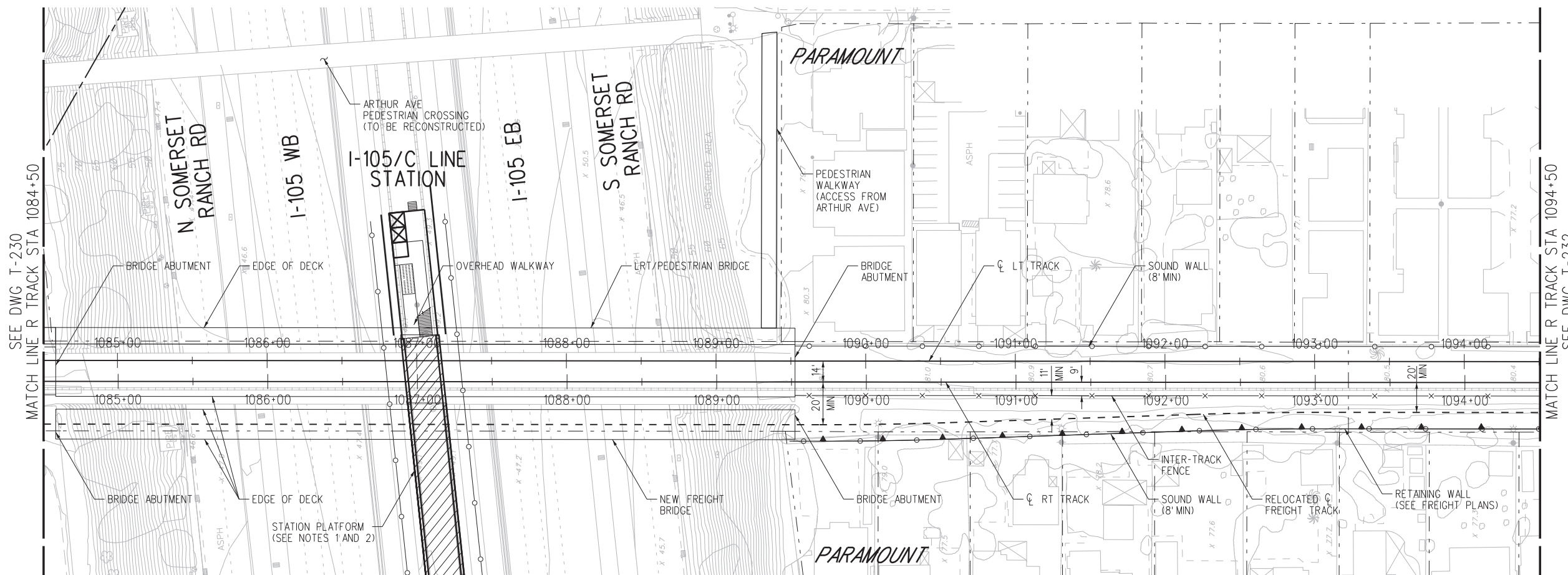
SHEET NO. **96** OF **154**

10-MAY-2021 B-28091AT230.plg
 wsp04-pw-svc 20:53
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 Pentable=bw.plt

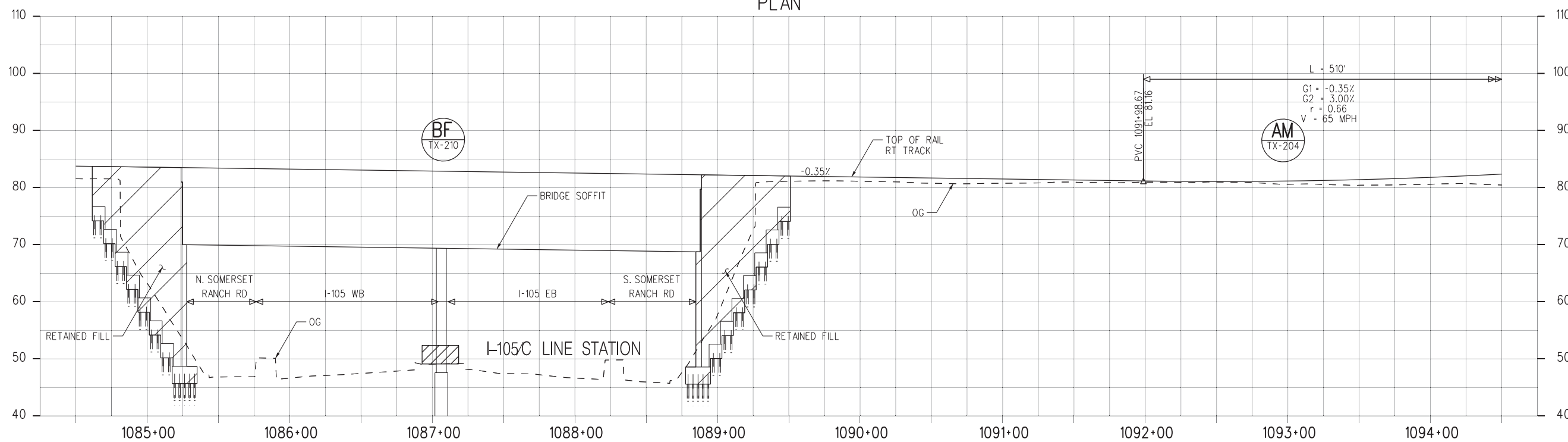


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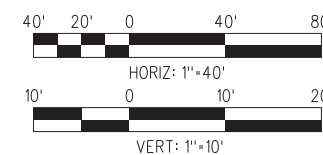
1. FOR STATION LAYOUT SEE STATION SITE PLANS, SHEET A13-001.
2. FOR I-105 IMPROVEMENTS SEE SHEETS T-265 THRU T-267.
3. FOR LEAD TRACK DESIGN SEE SHEETS T-P110 THRU T-P117 MSF PLANS.



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT231.plg

wsppw04-pw-svc 20:53

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED

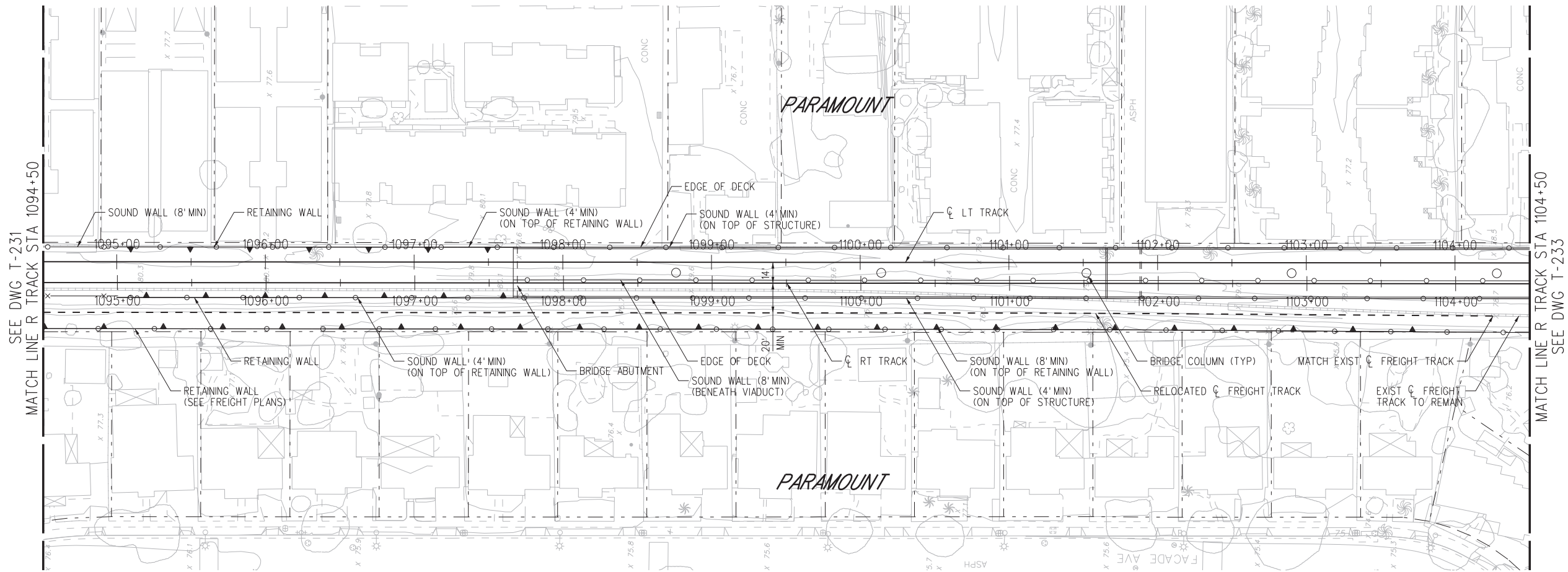
APPROVED

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1084+50 TO STA 1094+50

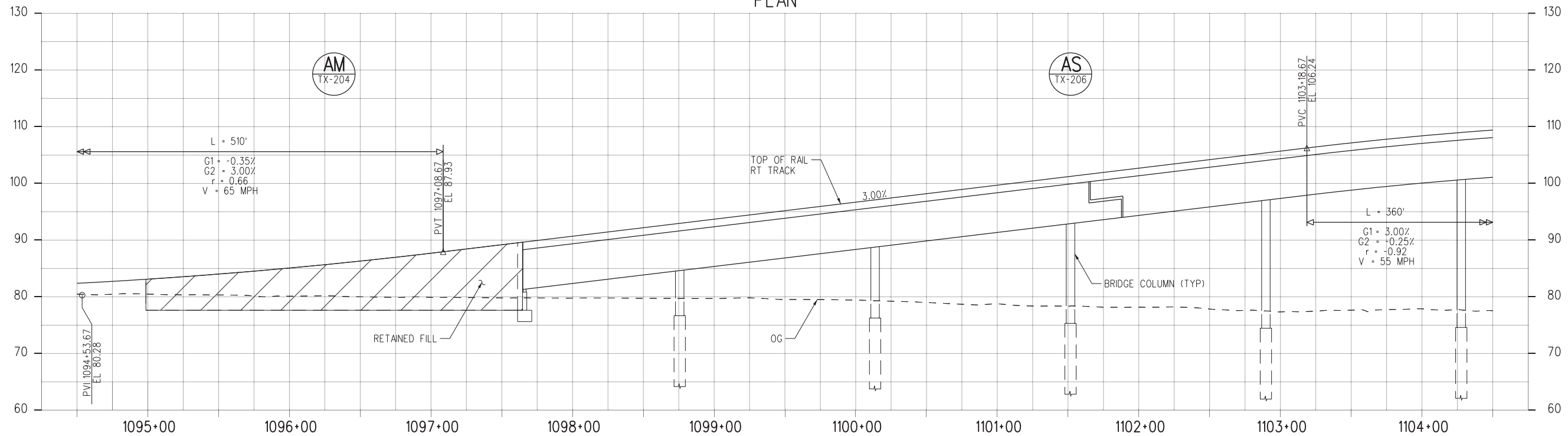
CONTRACT NO.	AE5999300
DRAWING NO.	T-231
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	97 OF 154



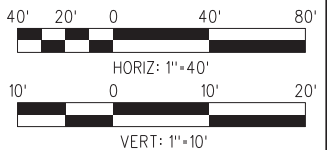
NOTES:
 1. FOR LEAD TRACK DESIGN SEE SHEETS T-P110 THRU T-P117 MSF PLANS.



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT232.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION
0	10/8/2020					FINAL REVISED ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____

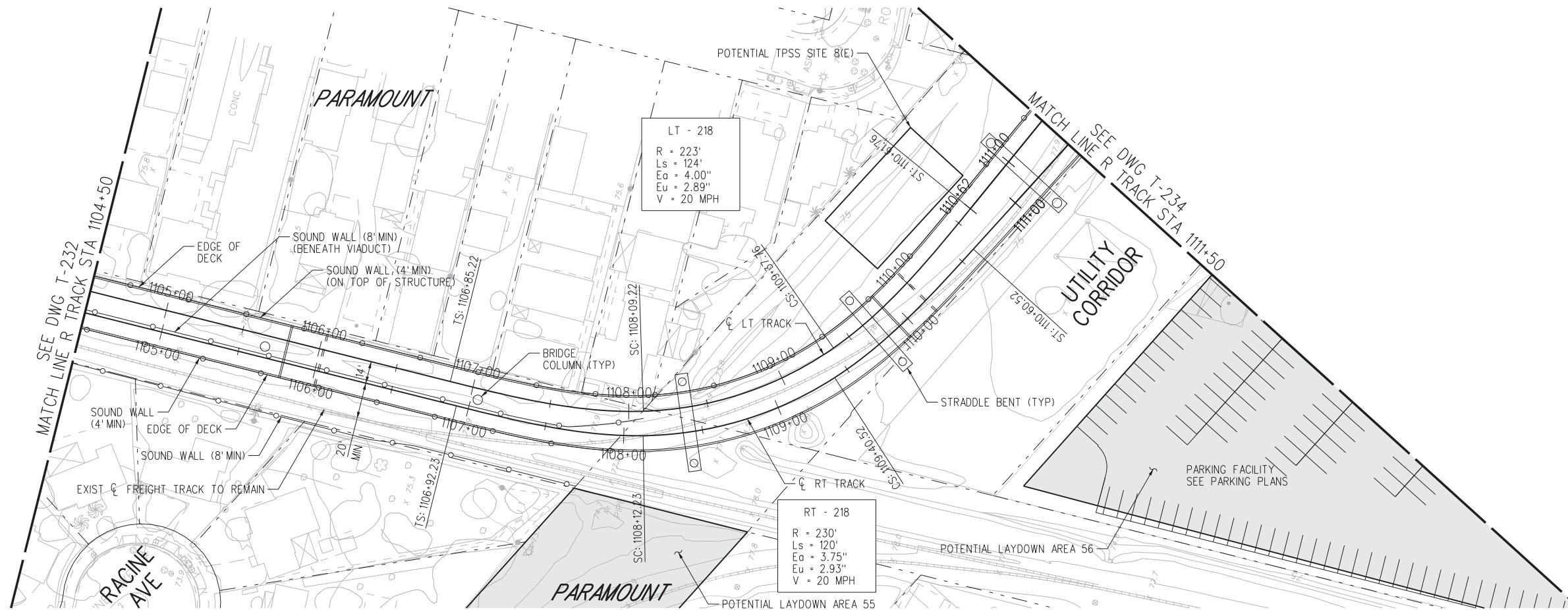
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1094+50 TO STA 1104+50

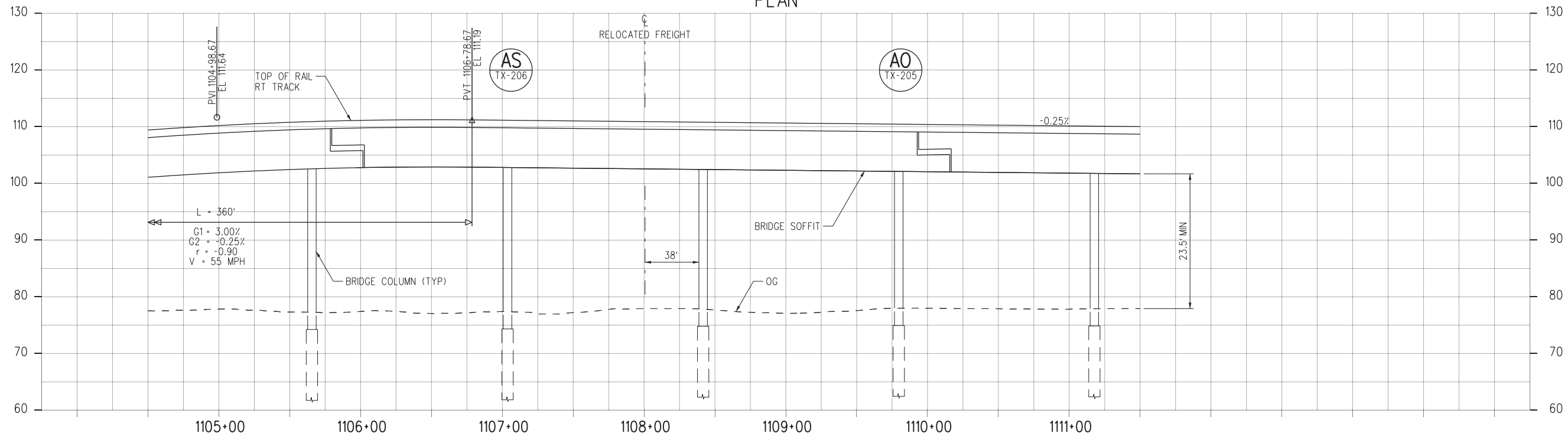
CONTRACT NO. AE5999300
DRAWING NO. T-232
SCALE HOR: 1"=40' VERT: 1"=10'
SHEET NO. 98 OF 154



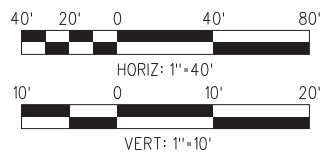
NOTES:
 1. FOR LEAD TRACK DESIGN SEE SHEETS T-P110 THRU T-P117 MSF PLANS.



PLAN



PROFILE



NOT FOR CONSTRUCTION

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



444 South Flower Street
 Suite 800
 Los Angeles, CA 90071
 TEL (213) 362-9470

SUBMITTED _____

APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1104+50 TO STA 1111+50

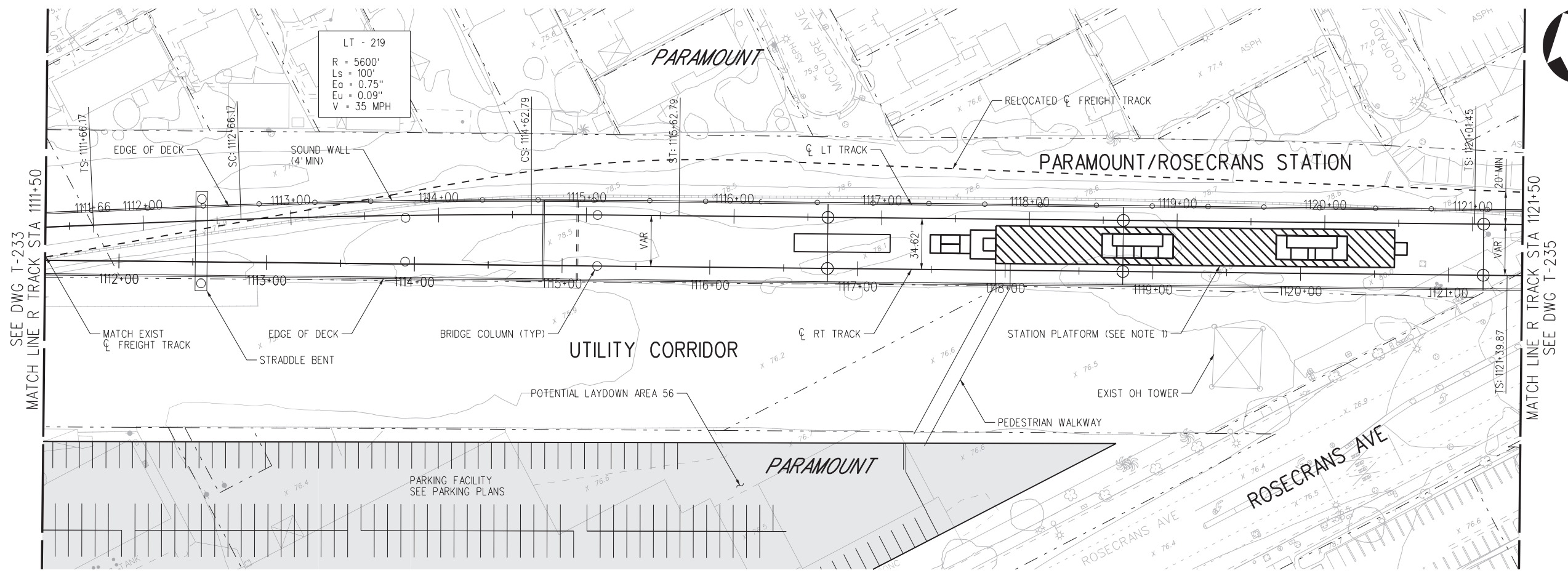
CONTRACT NO.	AE5999300
DRAWING NO.	T-233
SCALE	HOR: 1"=40' VERT: 1"=10'
SHEET NO.	99 OF 154

27-MAR-2021 B-28091AT233.plg

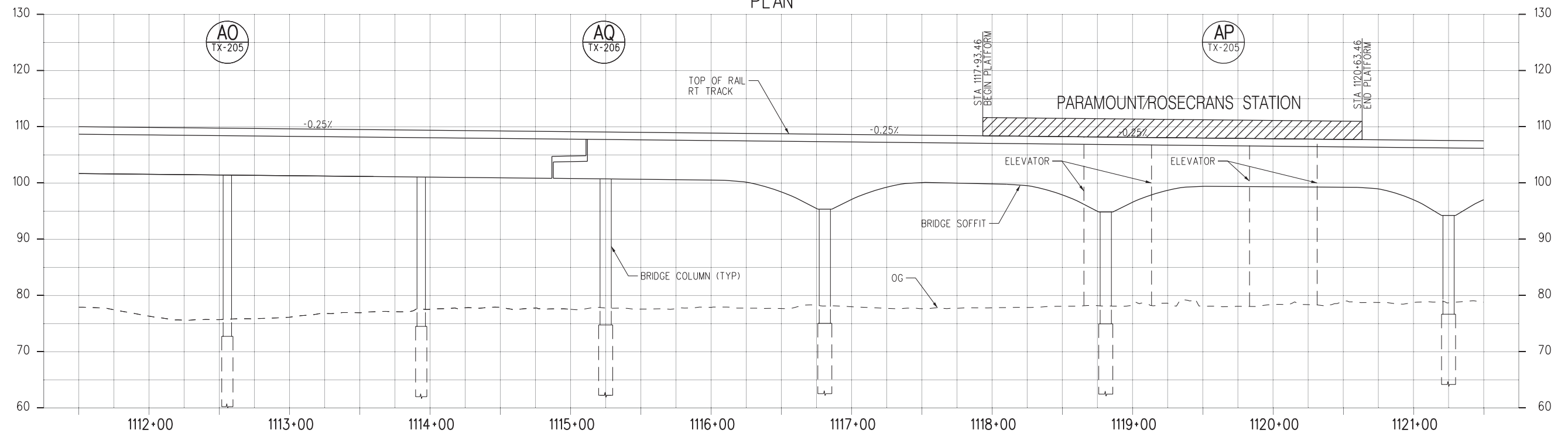
wsppw04-pw-svc 12:15



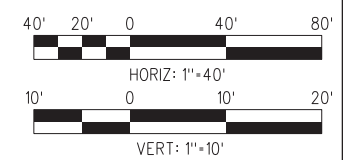
- NOTES:**
1. FOR STATION LAYOUT SEE STATION SITE PLANS, SHEET A14-001.
 2. FOR LEAD TRACK DESIGN SEE SHEETS T-P110 THRU T-P117 MSF PLANS.



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT234.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

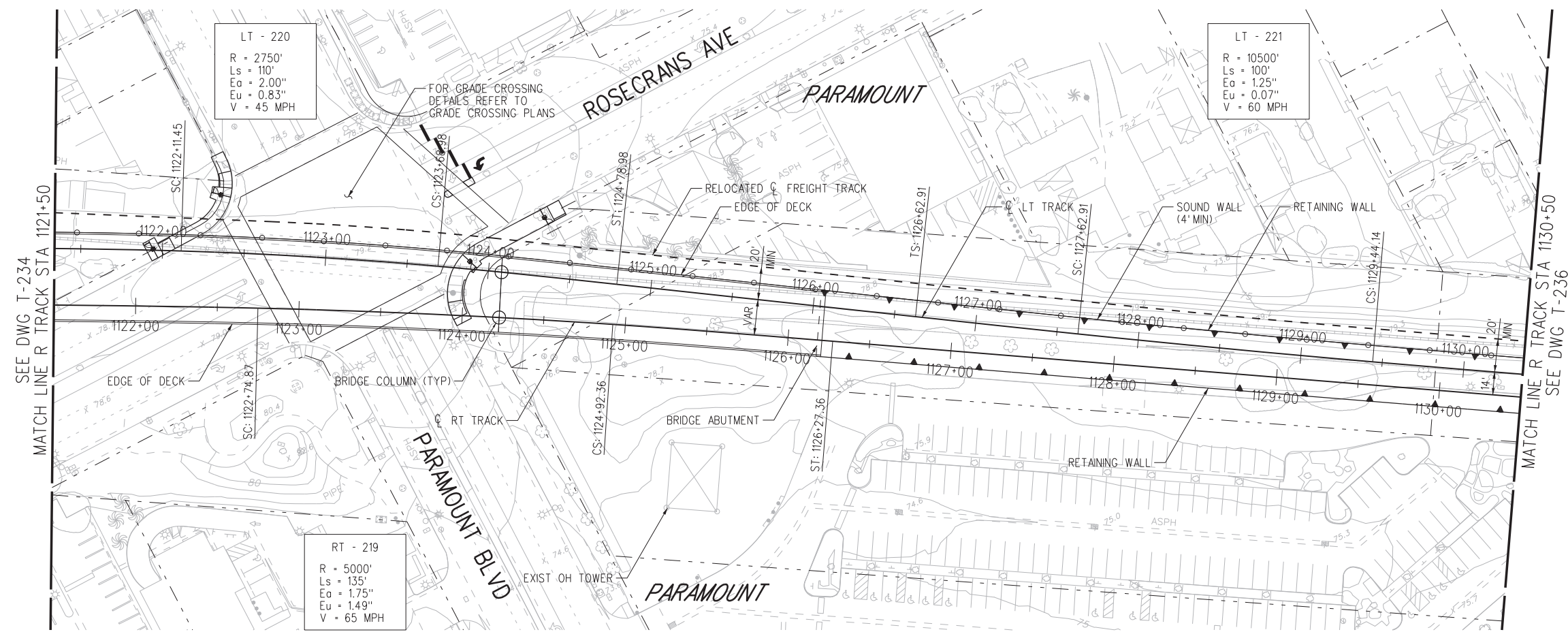
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB
0	10/8/2020	DRAWN BY RM
REV	DATE	CHECKED BY RL
BY	APP	IN CHARGE NM
REG NO.	EXPIRES	DATE 10/8/2020
SEAL HOLDER	DESCRIPTION	
	FINAL REVISED ACE SUBMITTAL	

<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>	<p>444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470</p>
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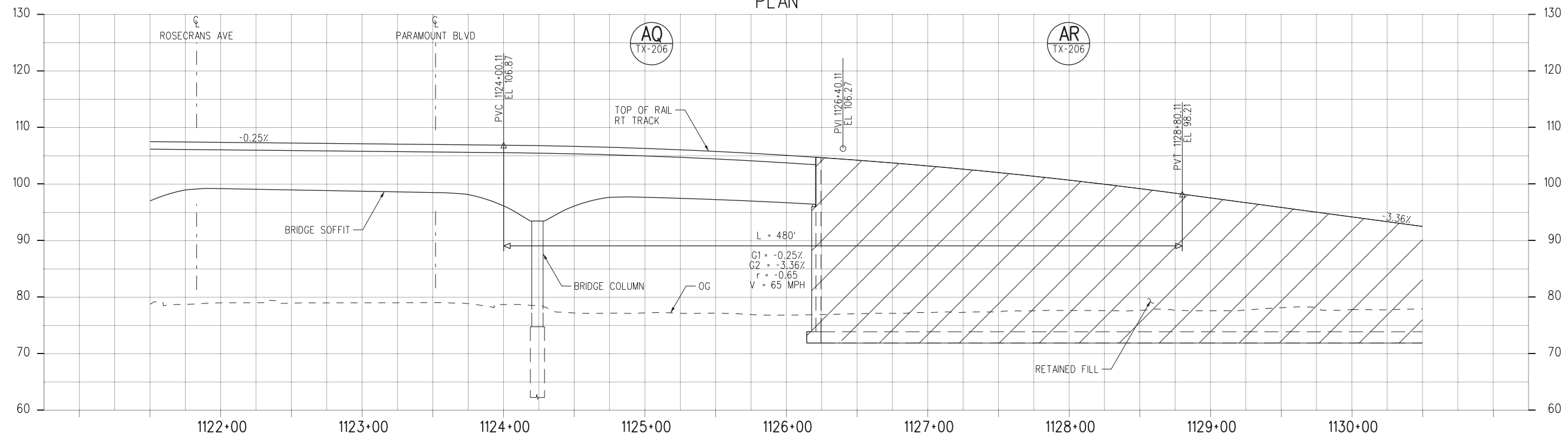
<p>CONTRACT NO AE5999300</p> <p>DRAWING NO T-234</p> <p>SCALE HOR: 1"=40' VERT: 1"=10'</p> <p>SHEET NO 100 OF 154</p>	<p>WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 111+50 TO STA 1121+50</p>
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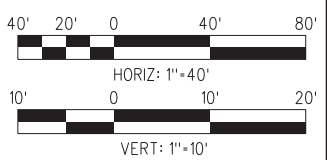
NOTES:
 1. FOR LEAD TRACK DESIGN SEE SHEETS T-P110 THRU T-P117 MSF PLANS.



PLAN



PROFILE



FINAL REVISED ACE SUBMITTAL - 10/08/2020

NOT FOR CONSTRUCTION

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	CONTRACT NO. AE5999300
0	10/8/2020	DRAWN BY RM		DRAWING NO. T-235
REV	DATE	CHECKED BY RL		SCALE HOR: 1"=40' VERT: 1"=10'
BY	APP	IN CHARGE NM		SHEET NO. 101 OF 154
REG NO.	EXPIRES	DATE 10/8/2020		
SEAL HOLDER	DESCRIPTION	FINAL REVISED ACE SUBMITTAL		

DESIGNED BY CB	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY
DRAWN BY RM	
CHECKED BY RL	
IN CHARGE NM	
DATE 10/8/2020	

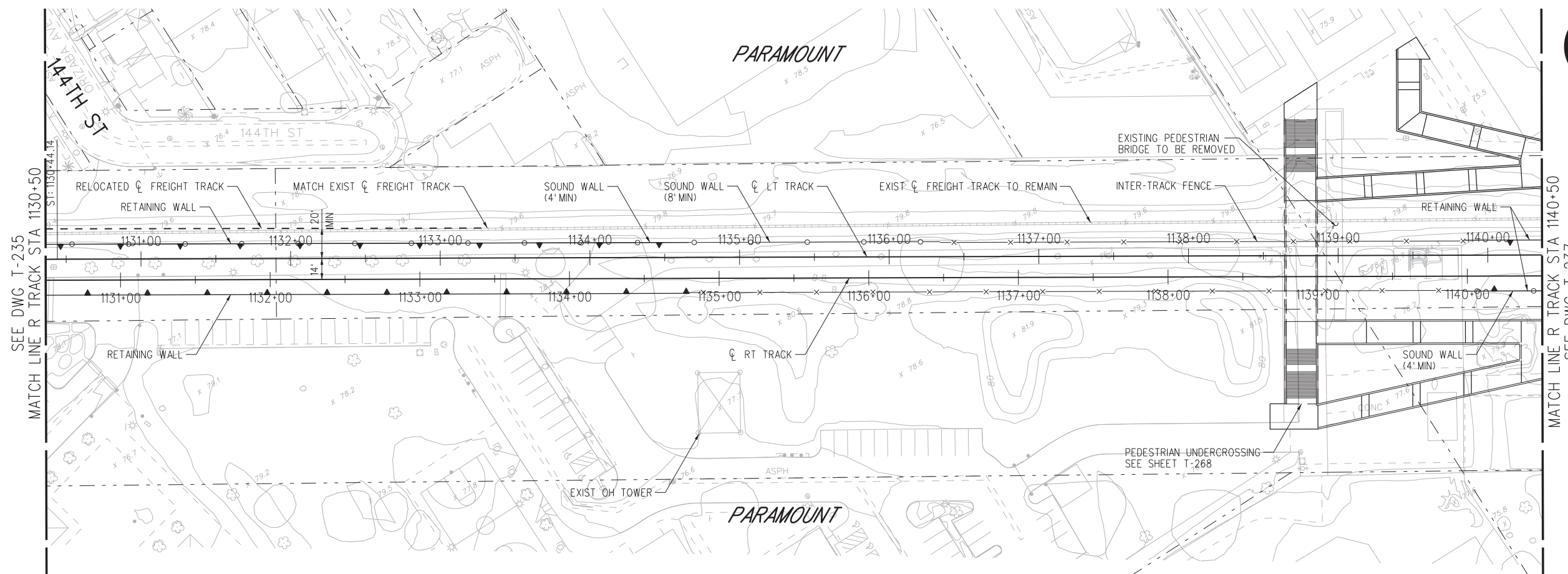
444 South Flower Street
 Suite 800
 Los Angeles, CA 90071
 TEL (213) 362-9470

SUBMITTED _____

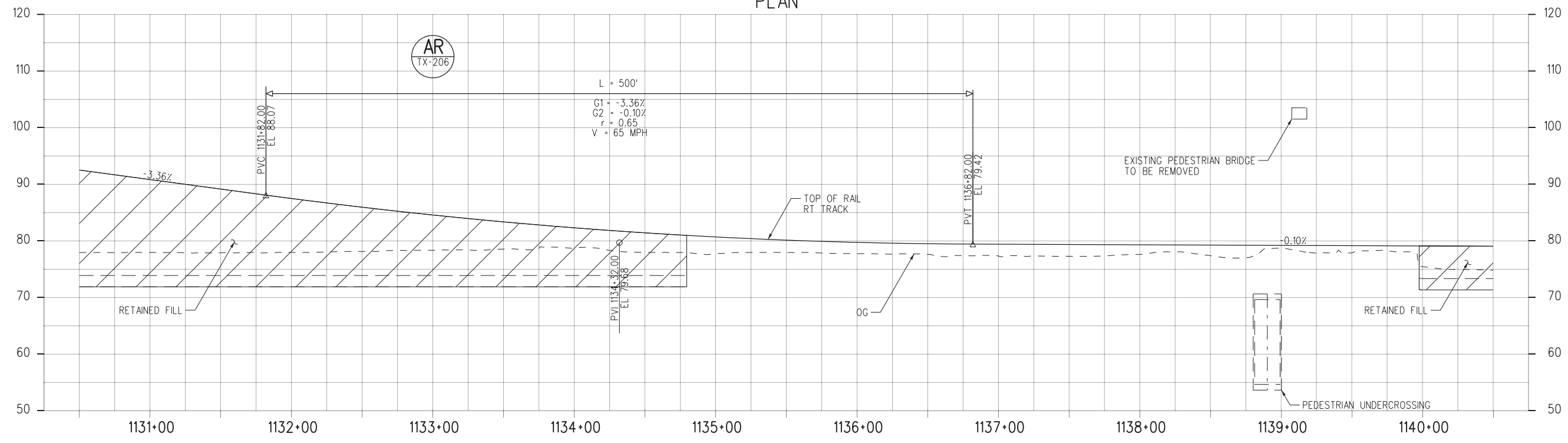
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE
 STA 1121+50 TO STA 1130+50

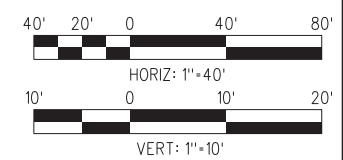
10-MAY-2021 B-28091AT235.plg



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT236.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
0	10/8/2020					FINAL REVISED ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

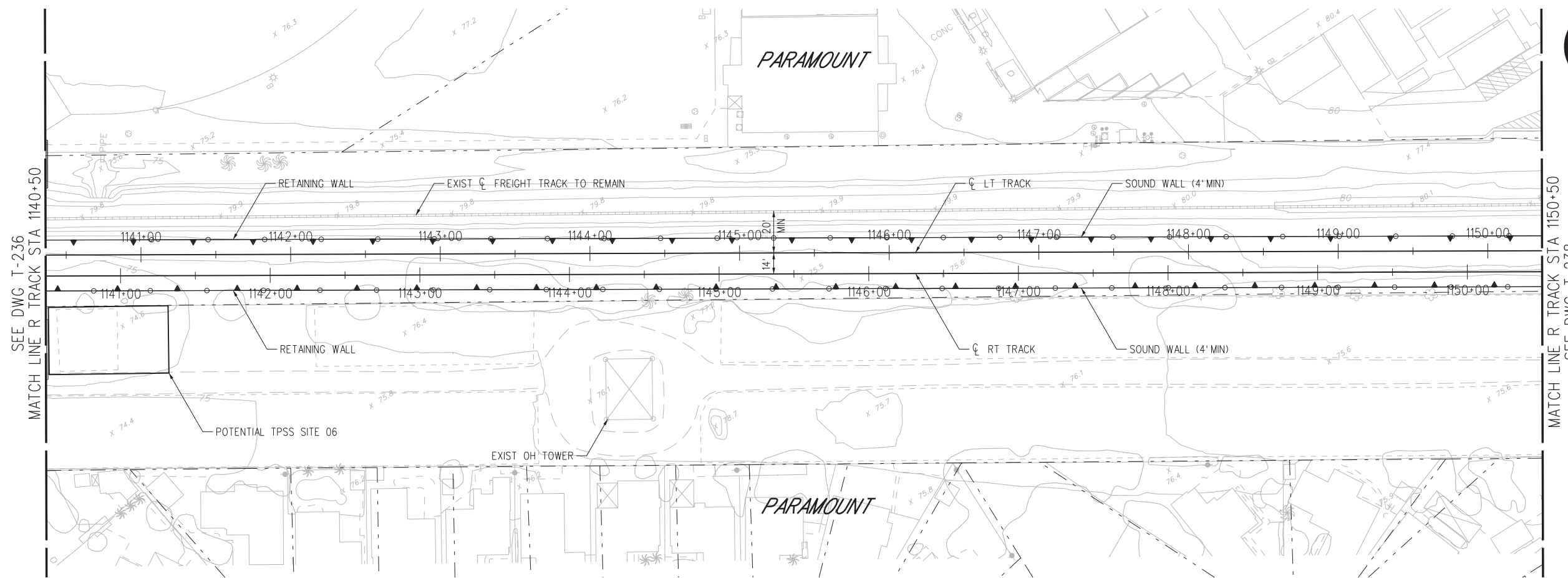
DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

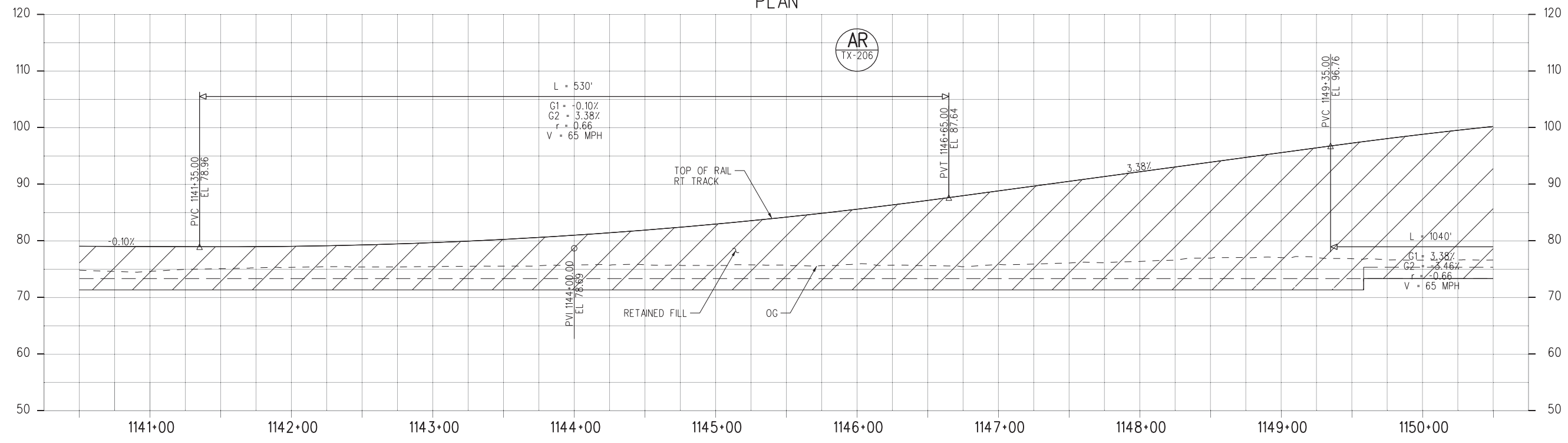
wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED	_____
APPROVED	_____

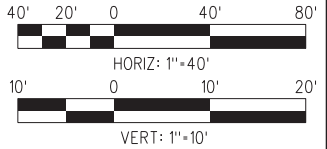
CONTRACT NO AE5999300	
DRAWING NO T-236	REV
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO 102	OF 154



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT237.plt

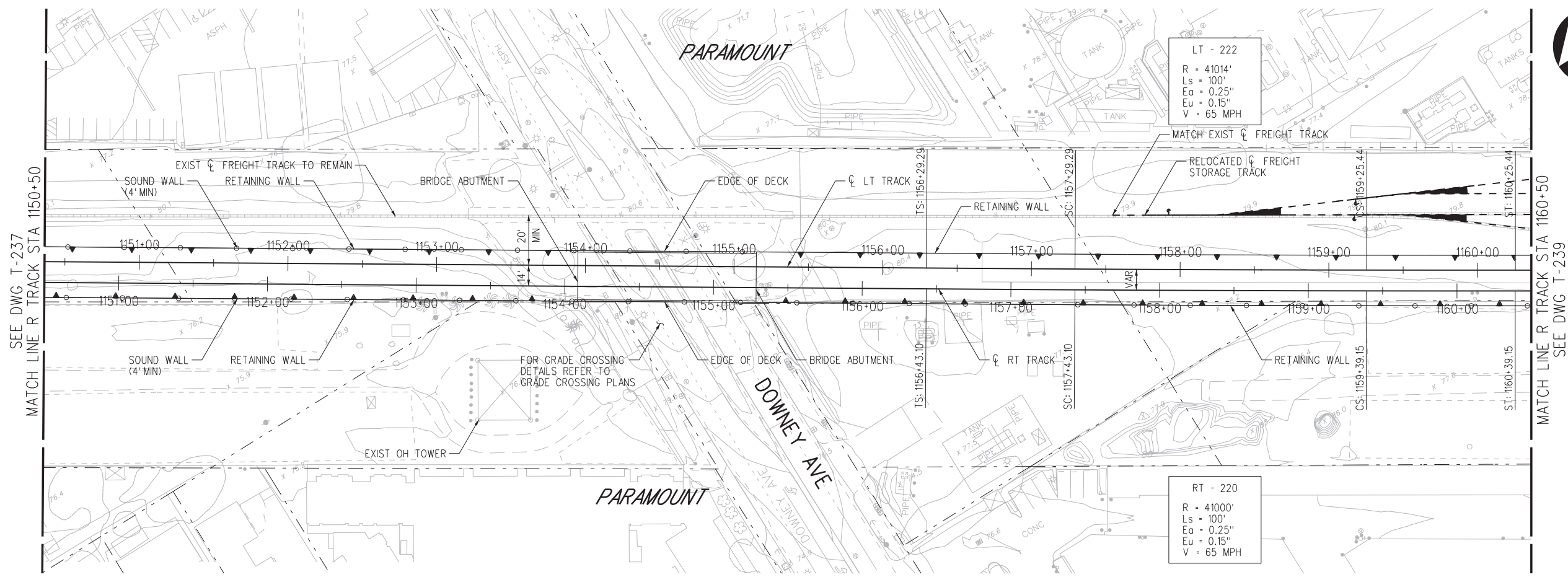
FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB
0	10/8/2020	DRAWN BY RM
REV	DATE	CHECKED BY RL
BY	APP	IN CHARGE NM
REG NO.	EXPIRES	DATE 10/8/2020
SEAL HOLDER	DESCRIPTION	
	FINAL REVISED ACE SUBMITTAL	

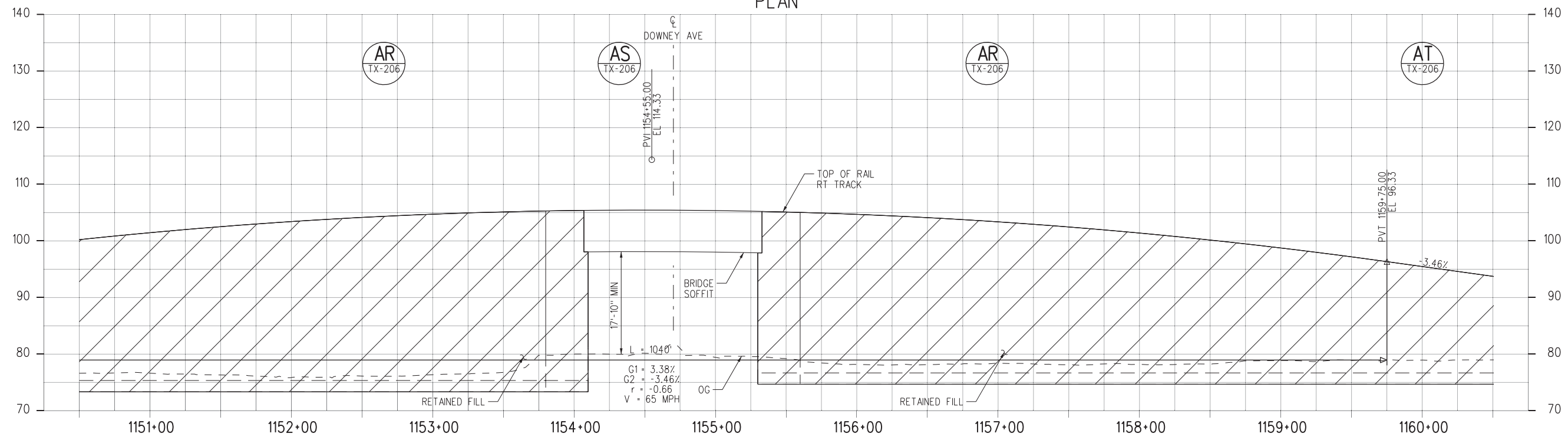
<p>Metro 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470</p>	SUBMITTED _____ APPROVED _____
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	CONTRACT NO AE5999300
DRAWING NO T-237	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO 103 OF 154

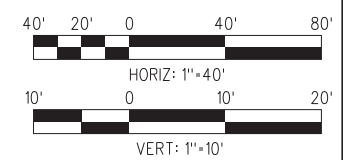
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1140+50 TO STA 1150+50
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PLAN



PROFILE



NOT FOR CONSTRUCTION

25-MAY-2021 B-28091AT238.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
FINAL REVISED ACE SUBMITTAL						
DESCRIPTION						

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

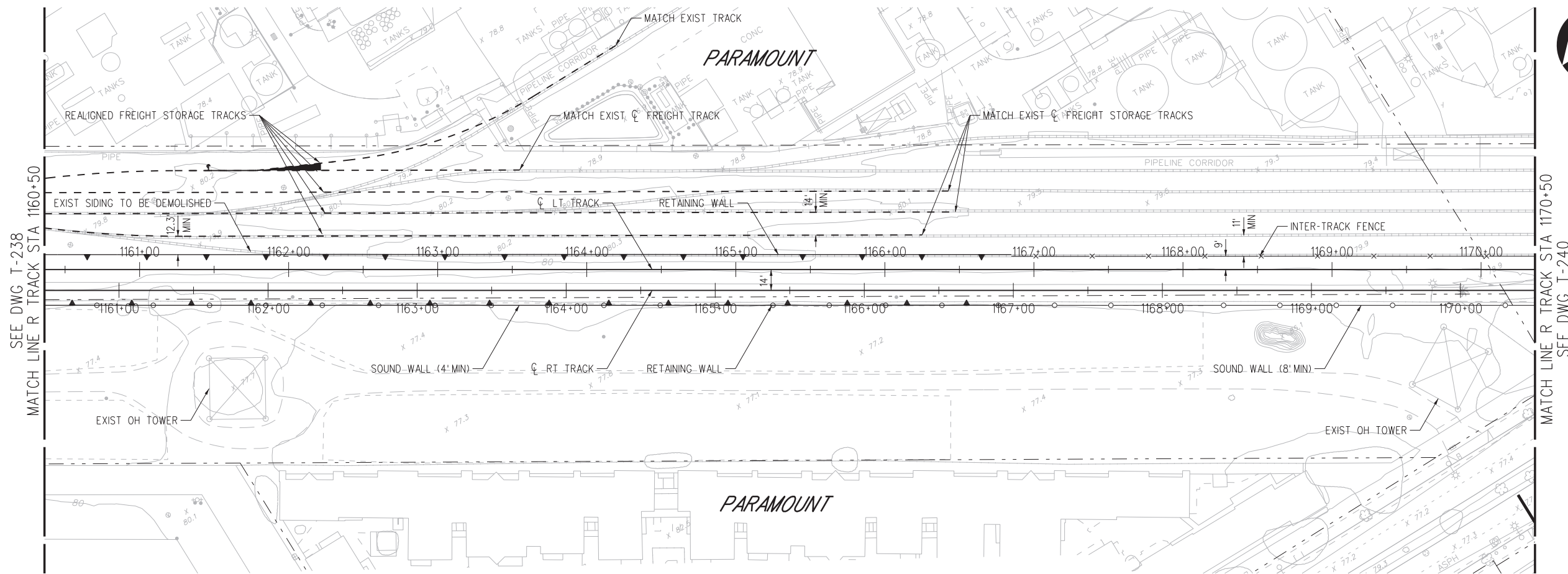
wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____

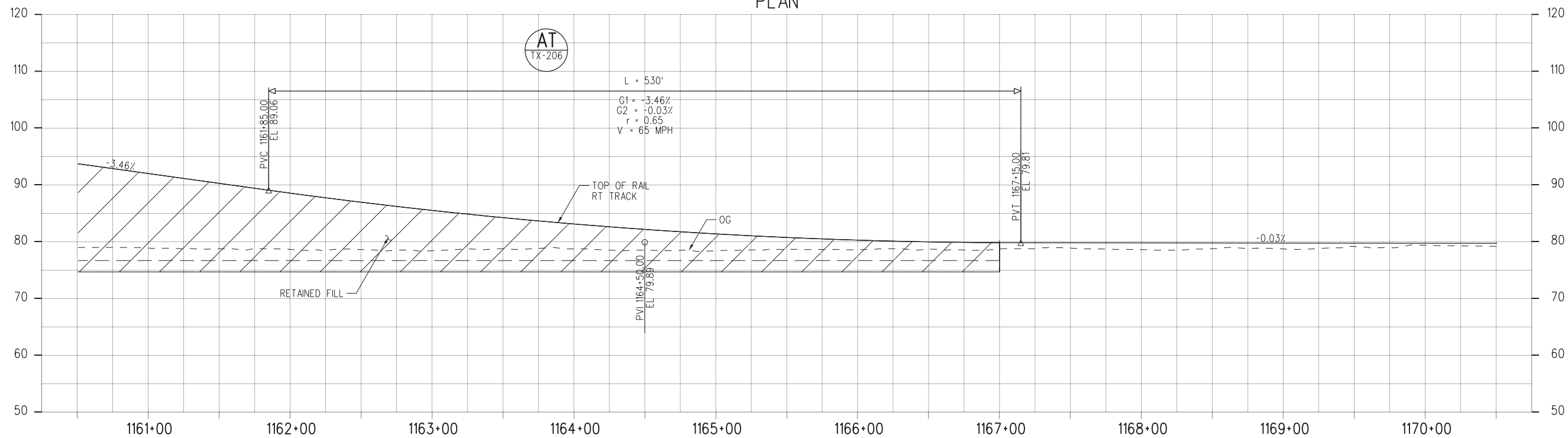
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1150+50 TO STA 1160+50

CONTRACT NO AE5999300	
DRAWING NO T-238	REV
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO 104	OF 154



PLAN



PROFILE

NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT239.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB
0	10/8/2020	DRAWN BY RM
REV	DATE	CHECKED BY RL
BY	APP	IN CHARGE NM
REG NO.	EXPIRES	DATE 10/8/2020
SEAL HOLDER	DESCRIPTION	
	FINAL REVISED ACE SUBMITTAL	

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____
 APPROVED _____

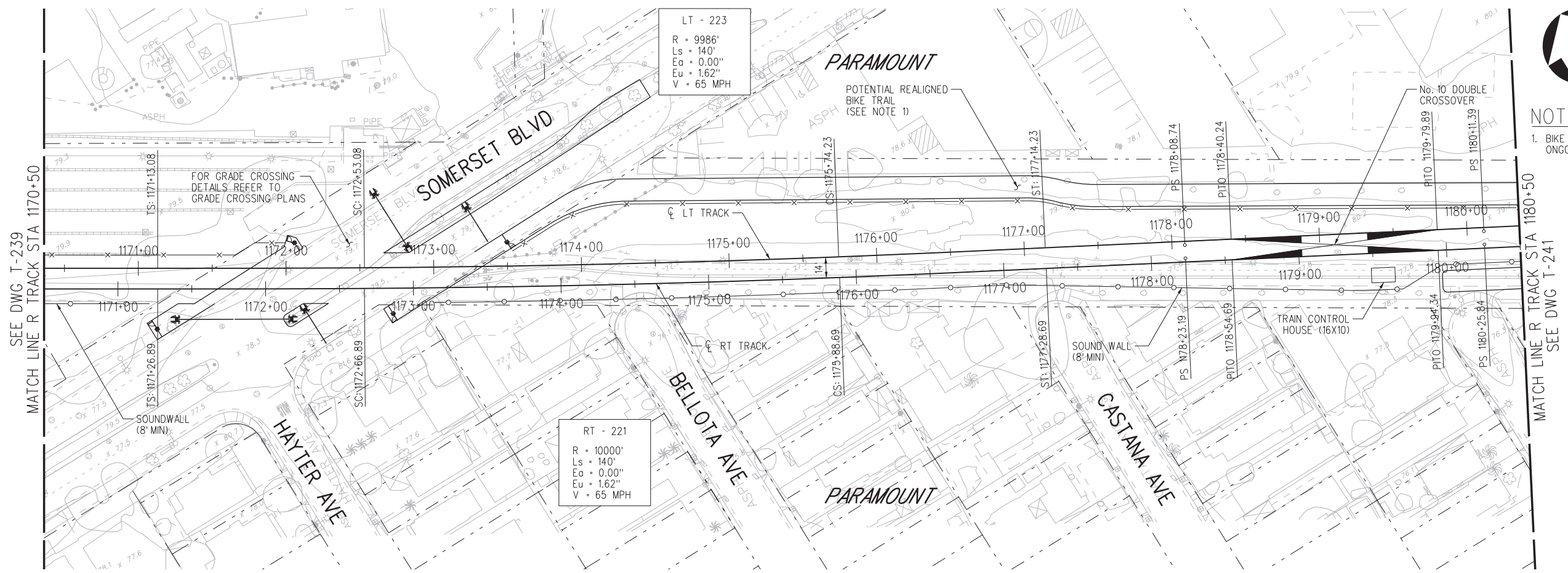
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1160+50 TO STA 1170+50

CONTRACT NO. **AE5999300**
 DRAWING NO. **T-239**
 SCALE **HOR: 1"=40' VERT: 1"=10'**
 SHEET NO. **105 OF 154**



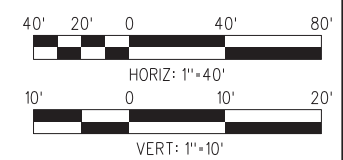
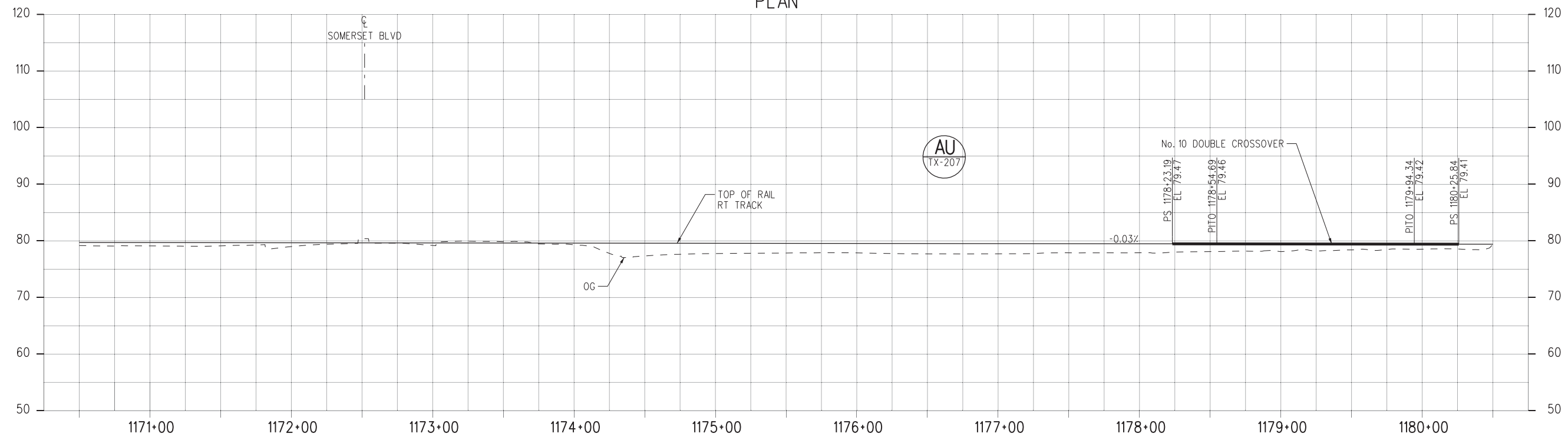
NOTES:

- 1. BIKE TRAIL REALIGNMENT TO BE DETERMINED. ONGOING COORDINATION WITH THE CITY OF PARAMOUNT.



LT - 223
 R = 9986'
 Ls = 140'
 Eo = 0.00"
 Eu = 1.62"
 V = 65 MPH

RT - 221
 R = 10000'
 Ls = 140'
 Eo = 0.00"
 Eu = 1.62"
 V = 65 MPH



FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

M Metro
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____
 APPROVED _____

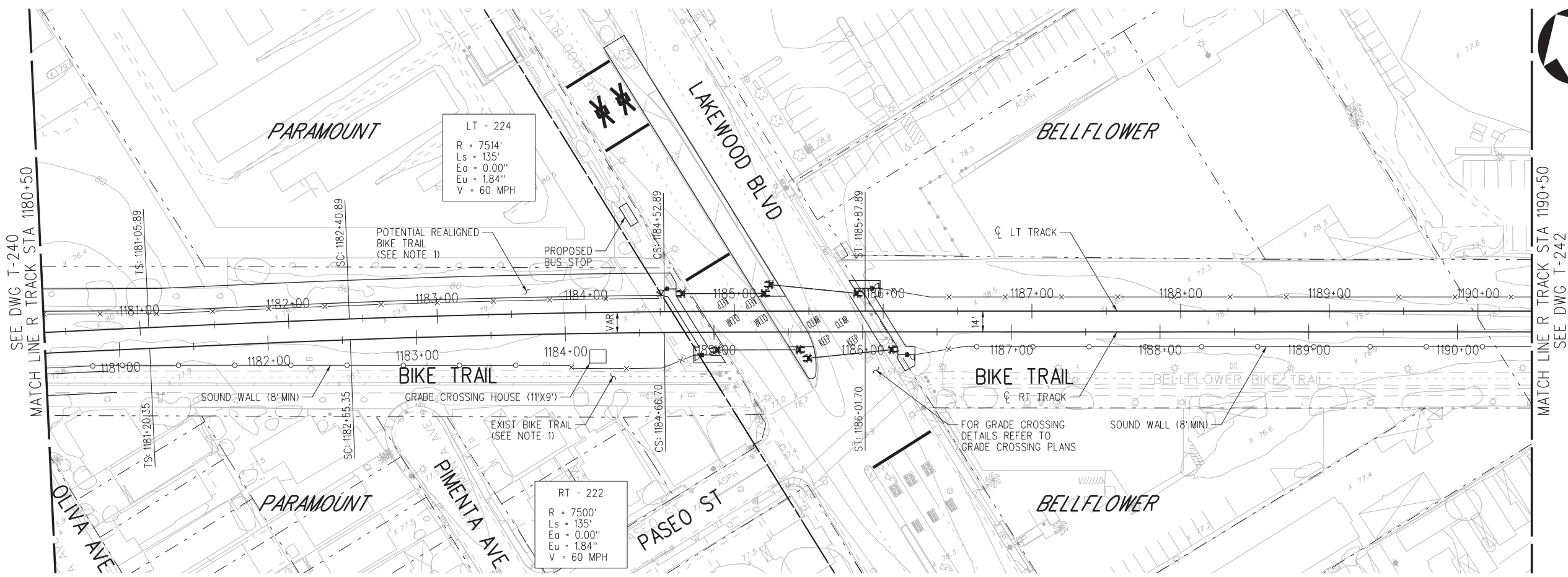
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1170+50 TO STA 1180+50

CONTRACT NO.	AE5999300
DRAWING NO.	T-240
SCALE	HOR: 1"=40' VERT: 1"=10'
SHEET NO.	106 OF 154

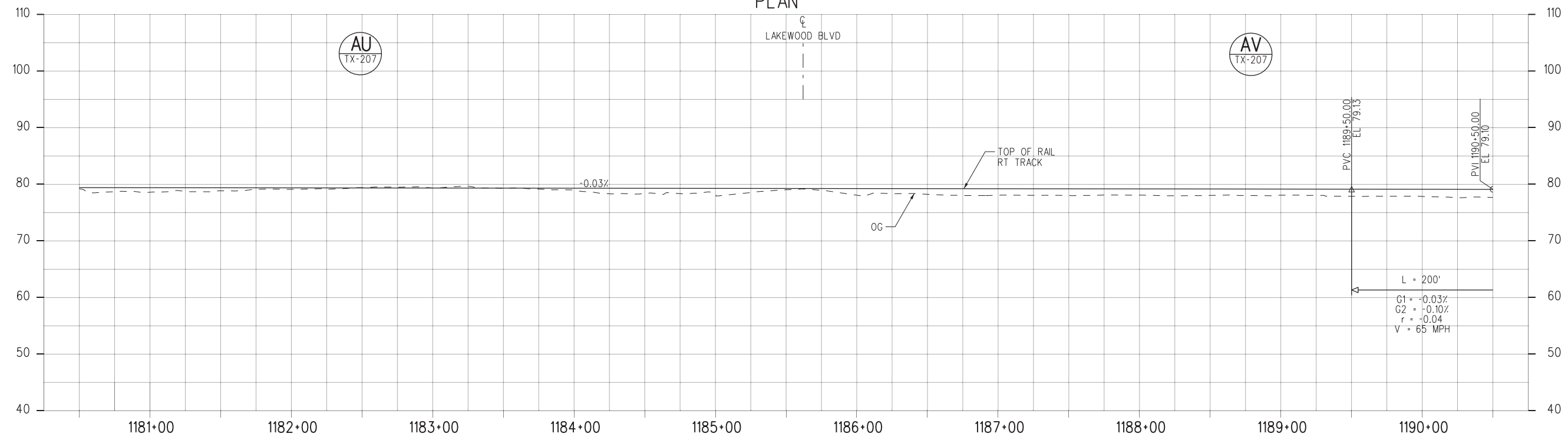
04-MAR-2021 B-28091AT240.plg
 wspw04-pw-svc 16:25



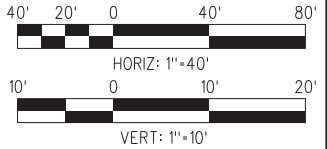
- NOTES:**
- BIKE TRAIL REALIGNMENT TO BE DETERMINED. ONGOING COORDINATION WITH THE CITY OF PARAMOUNT.
 - FOR LEAD TRACK DESIGN SEE SHEETS T-B110 THRU T-B112 MSF PLANS.



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT241.plg

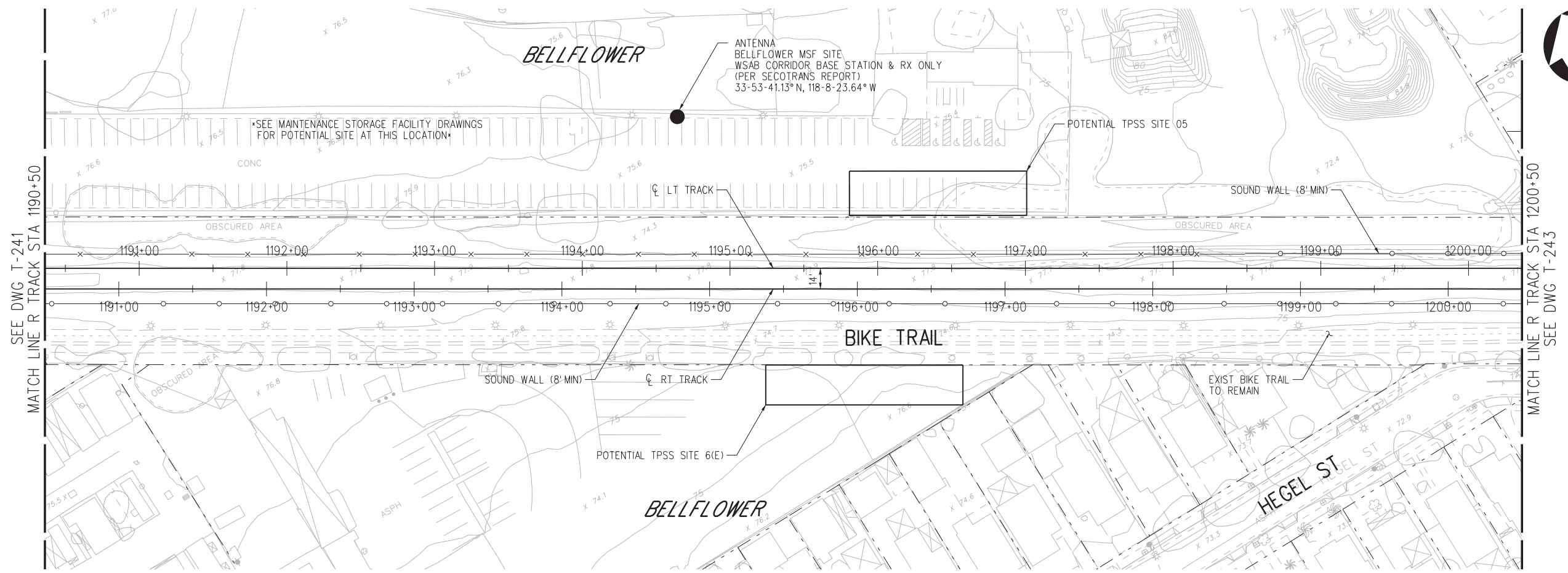
FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB	 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470	CONTRACT NO. AE5999300				
0	10/8/2020	DRAWN BY RM		DRAWING NO. T-241	REV			
		CHECKED BY RL		SCALE HORIZ: 1"=40' VERT: 1"=10'				
		IN CHARGE NM		SHEET NO. 107 OF 154				
		DATE 10/8/2020						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	
							FINAL REVISED ACE SUBMITTAL	

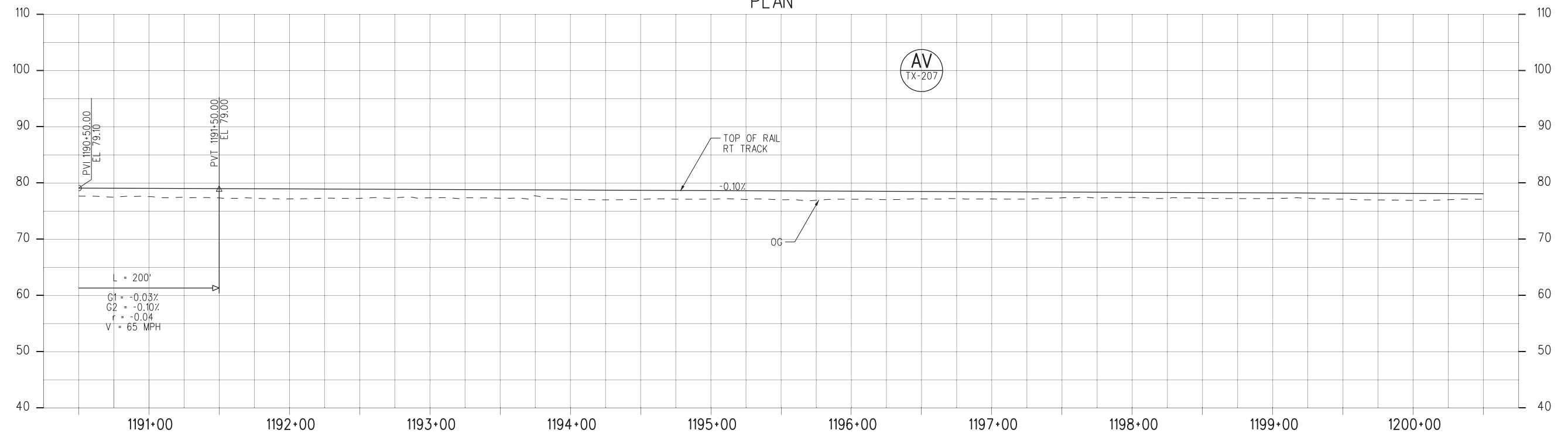
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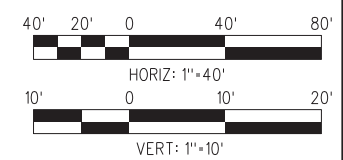
NOTES:
 1. FOR LEAD TRACK DESIGN SEE SHEETS T-B110 THRU T-B112 MSF PLANS.



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT242.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	CONTRACT NO. AE5999300
0	10/8/2020	DRAWN BY RM		DRAWING NO. T-242
REV	DATE	CHECKED BY RL		SCALE HORIZ: 1"=40' VERT: 1"=10'
BY	APP	IN CHARGE NM		SHEET NO. 108 OF 154
REG NO.	EXPIRES	DATE 10/8/2020		
SEAL HOLDER	DESCRIPTION FINAL REVISED ACE SUBMITTAL			

DESIGNED BY CB	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY
DRAWN BY RM	
CHECKED BY RL	
IN CHARGE NM	
DATE 10/8/2020	

444 South Flower Street
Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

SUBMITTED _____

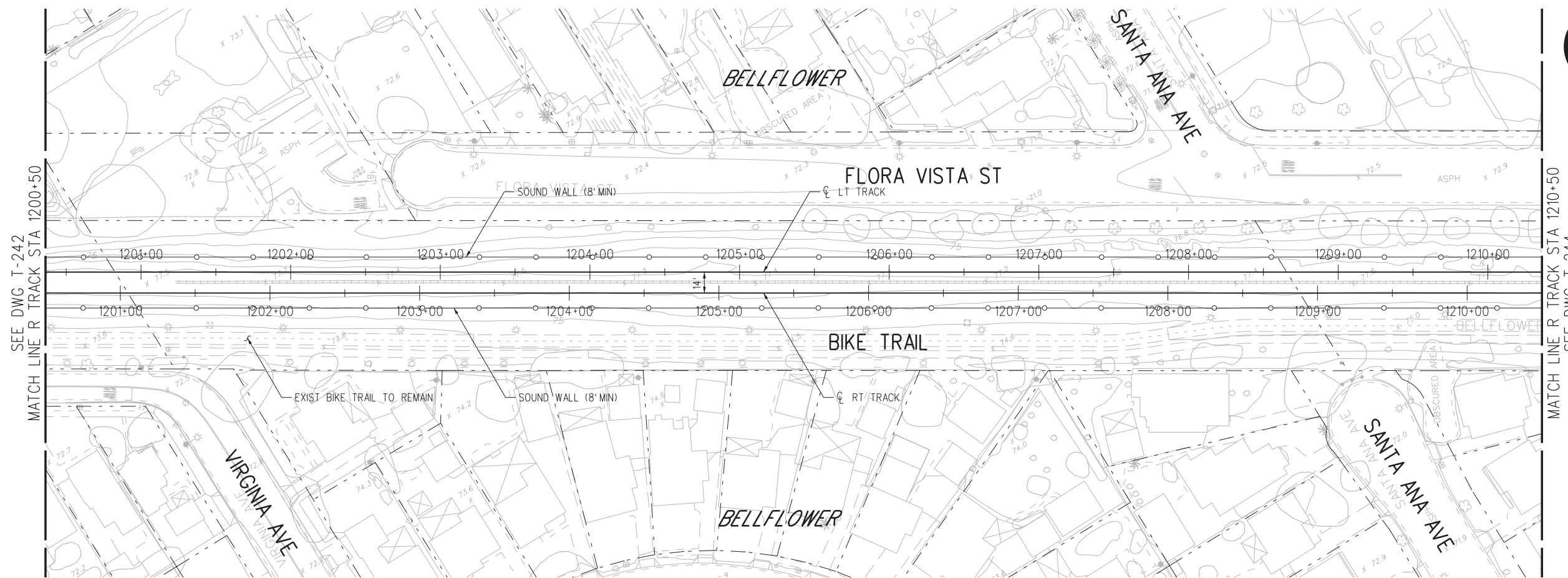
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1190+50 TO STA 1200+50

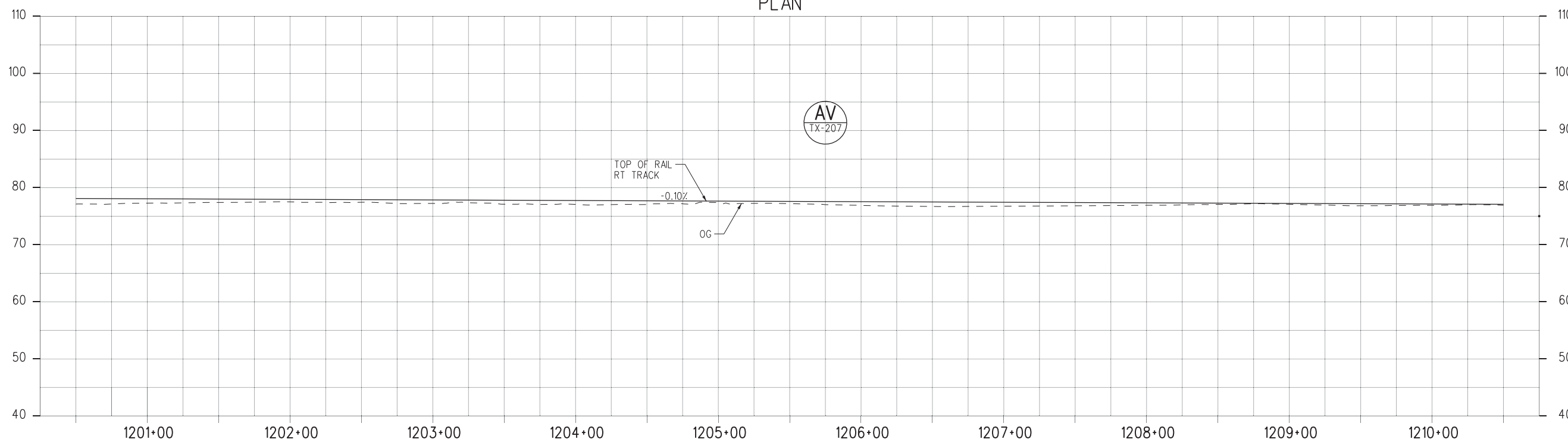


NOTES:

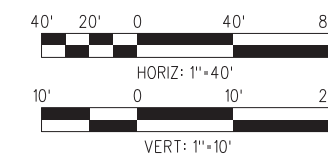
1. FOR LEAD TRACK DESIGN SEE SHEETS T-B110 THRU T-B112 MSF PLANS.



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT243.plg

wsppw04-pw-svc 20:53

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

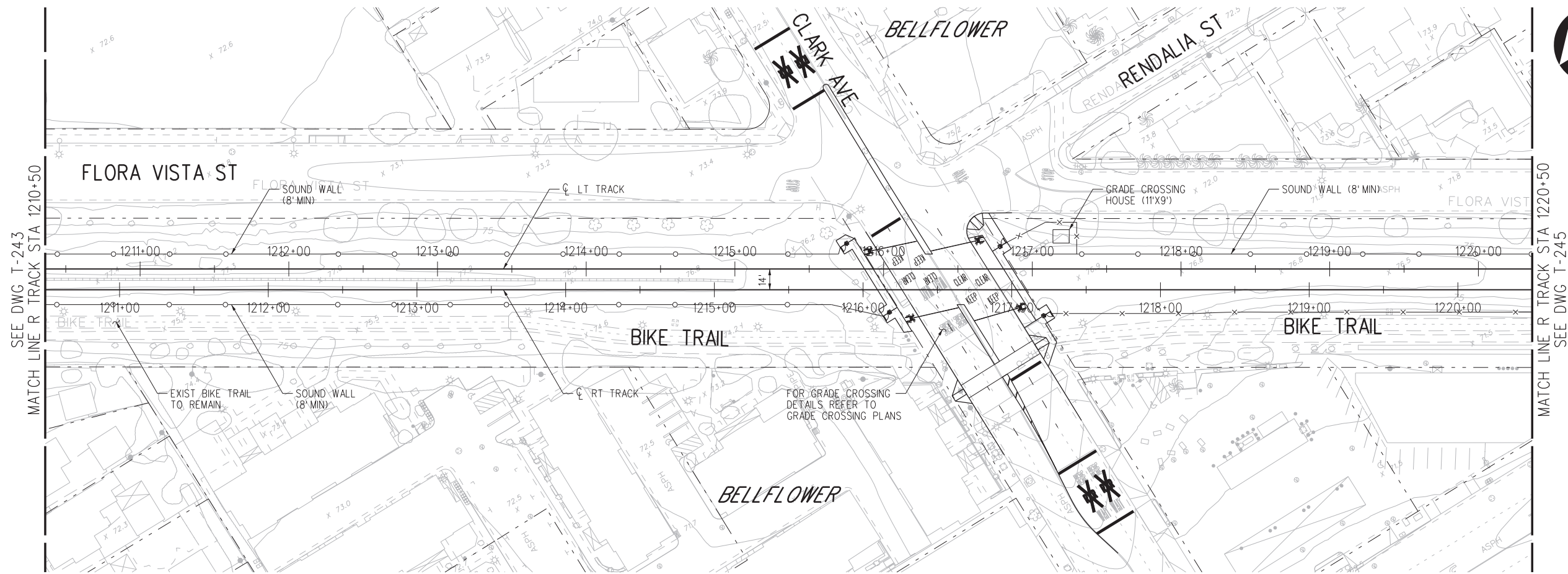


444 South Flower Street
Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

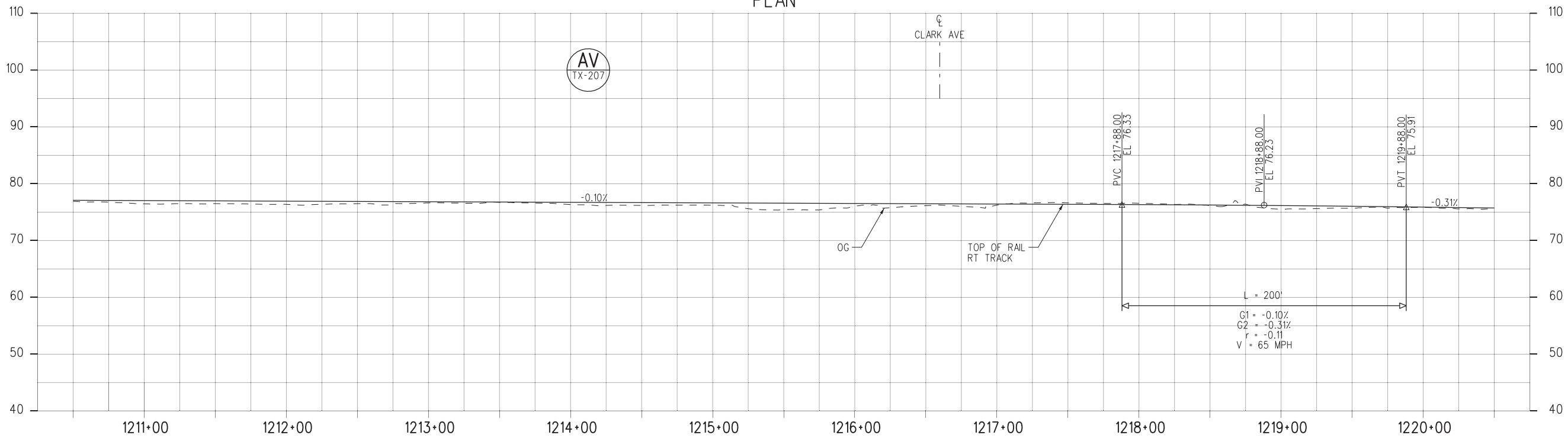
SUBMITTED _____
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1200+50 TO STA 1210+50

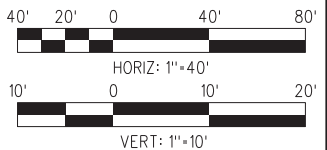
CONTRACT NO	AE5999300
DRAWING NO	T-243
SCALE	HOR: 1"=40' VERT: 1"=10'
SHEET NO	109 OF 154



PLAN



PROFILE



NOT FOR CONSTRUCTION

04-MAR-2021 B-28091AT244.plg

wspw04-pw-svc 16:22

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
DESIGNED BY	CB	IN CHARGE	NM	DATE	10/8/2020	DESCRIPTION	FINAL REVISED ACE SUBMITTAL
DRAWN BY	RM	CHECKED BY	RL	DATE	10/8/2020	DESCRIPTION	
REG NO.		EXPIRES		SEAL HOLDER		DESCRIPTION	
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

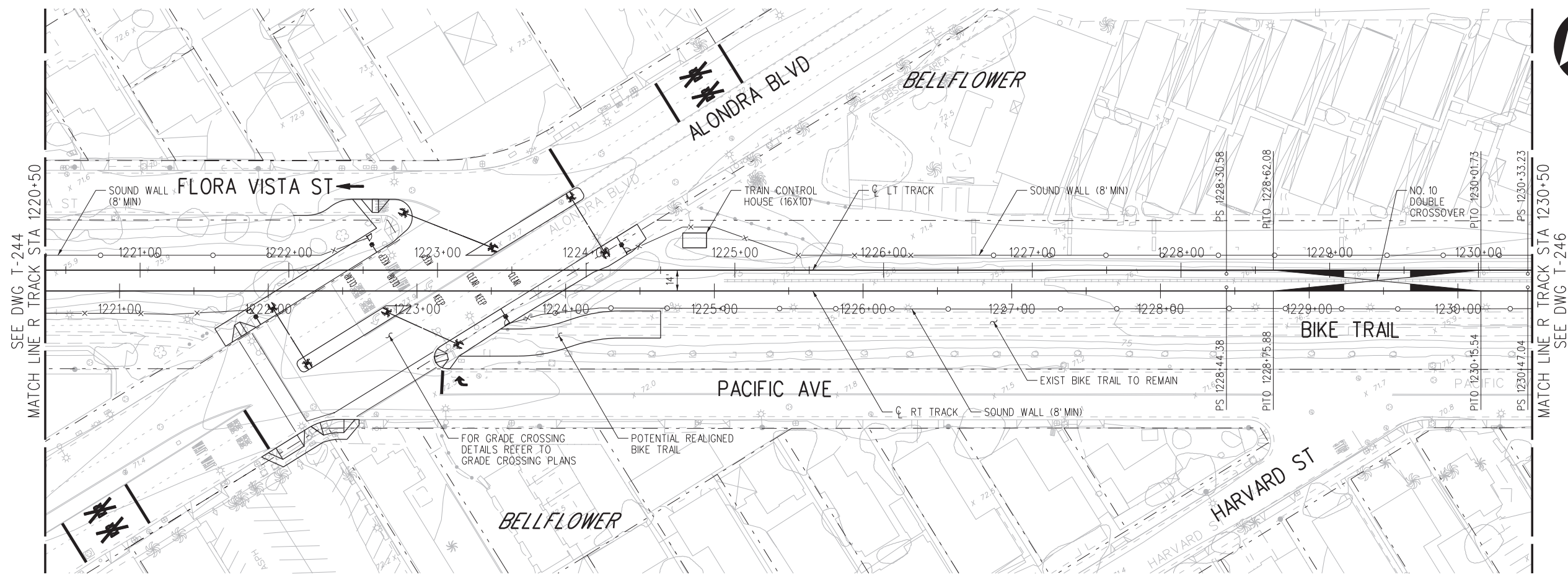

 444 South Flower Street
 Suite 800
 Los Angeles, CA 90071
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SUBMITTED _____

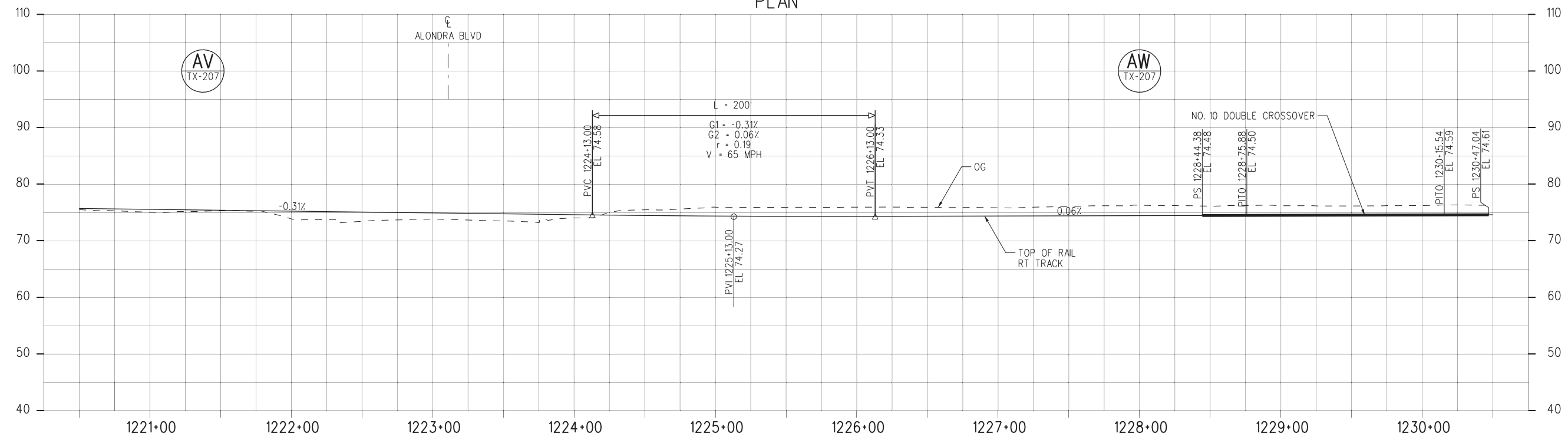
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE
 STA 1210+50 TO STA 1220+50

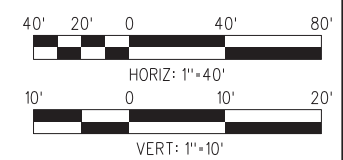
CONTRACT NO.	AE5999300
DRAWING NO.	T-244
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	110 OF 154



PLAN



PROFILE




NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT245.plg
wspw04-pw-svc 20:49

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
FINAL REVISED ACE SUBMITTAL						DESCRIPTION

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

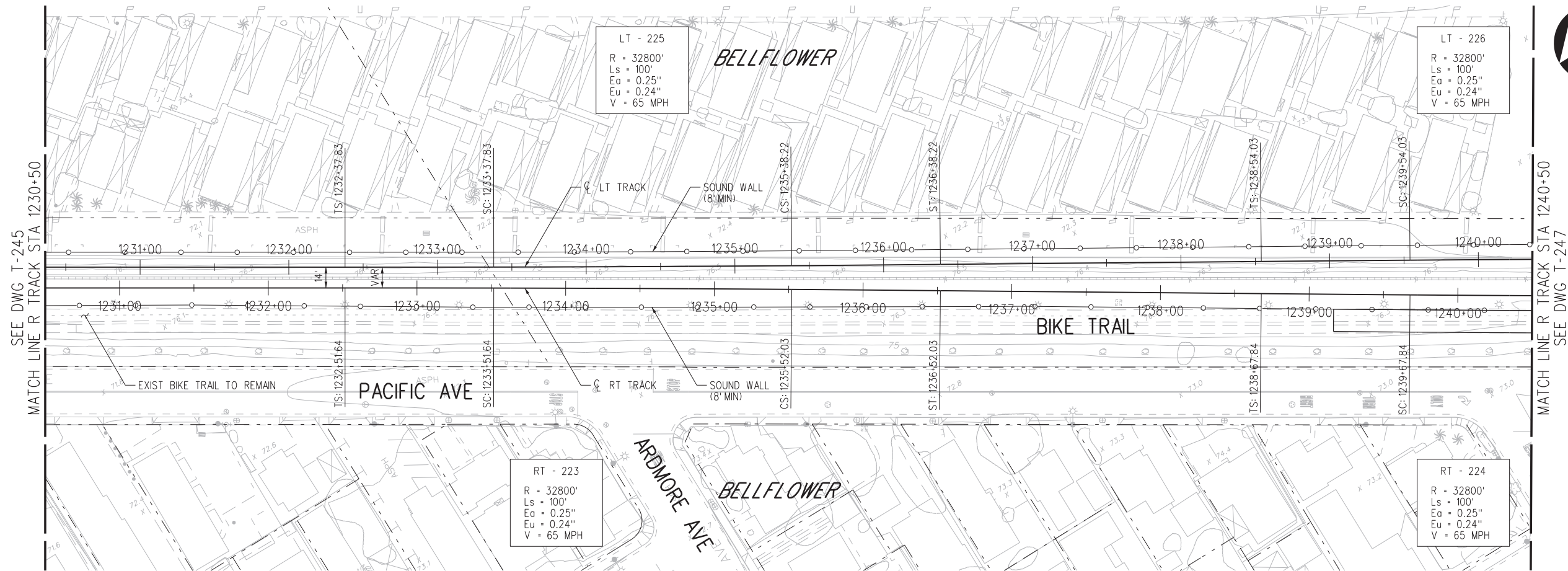

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SUBMITTED _____

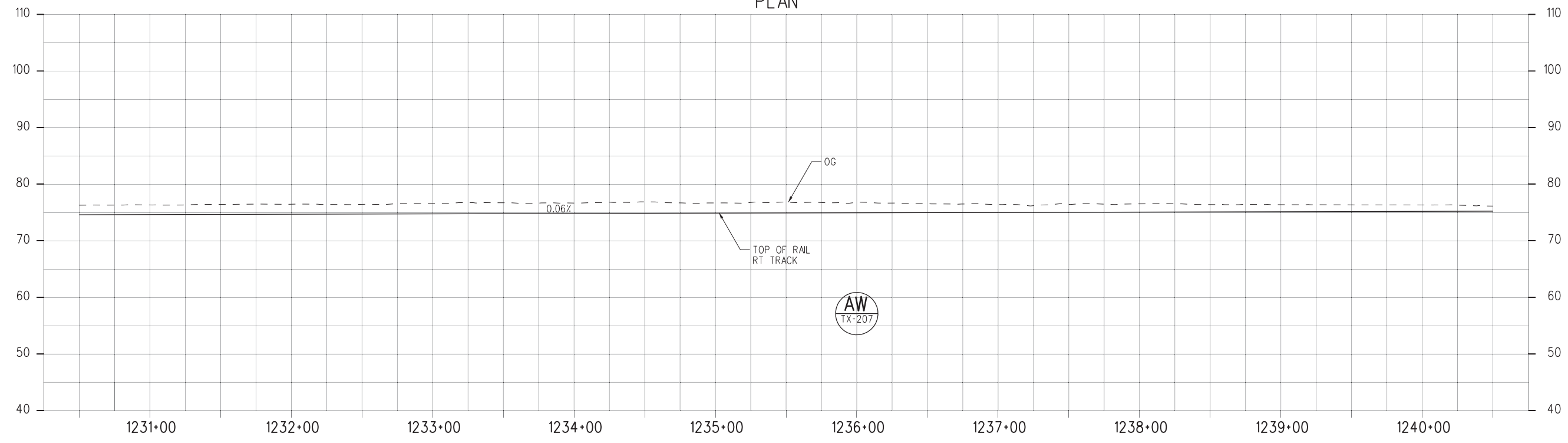
APPROVED _____

**WEST SANTA ANA BRANCH LRT
 TRACK ALIGNMENT
 ALTERNATIVES 1, 2, 3, AND 4
 PLAN & PROFILE
 STA 1220+50 TO STA 1230+50**

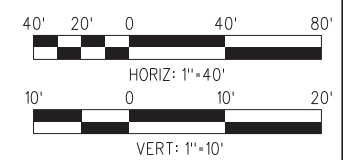
CONTRACT NO. AE5999300	REV
DRAWING NO. T-245	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 111	OF 154



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT246.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
DESIGNED BY	CB	DATE	10/8/2020	BY		DESCRIPTION
DRAWN BY	RM	APP		REG NO.		EXPRES
CHECKED BY	RL	SEAL HOLDER		EXPIRES		
IN CHARGE	NM	DATE	10/8/2020	REV	0	FINAL REVISED ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

M Metro

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____

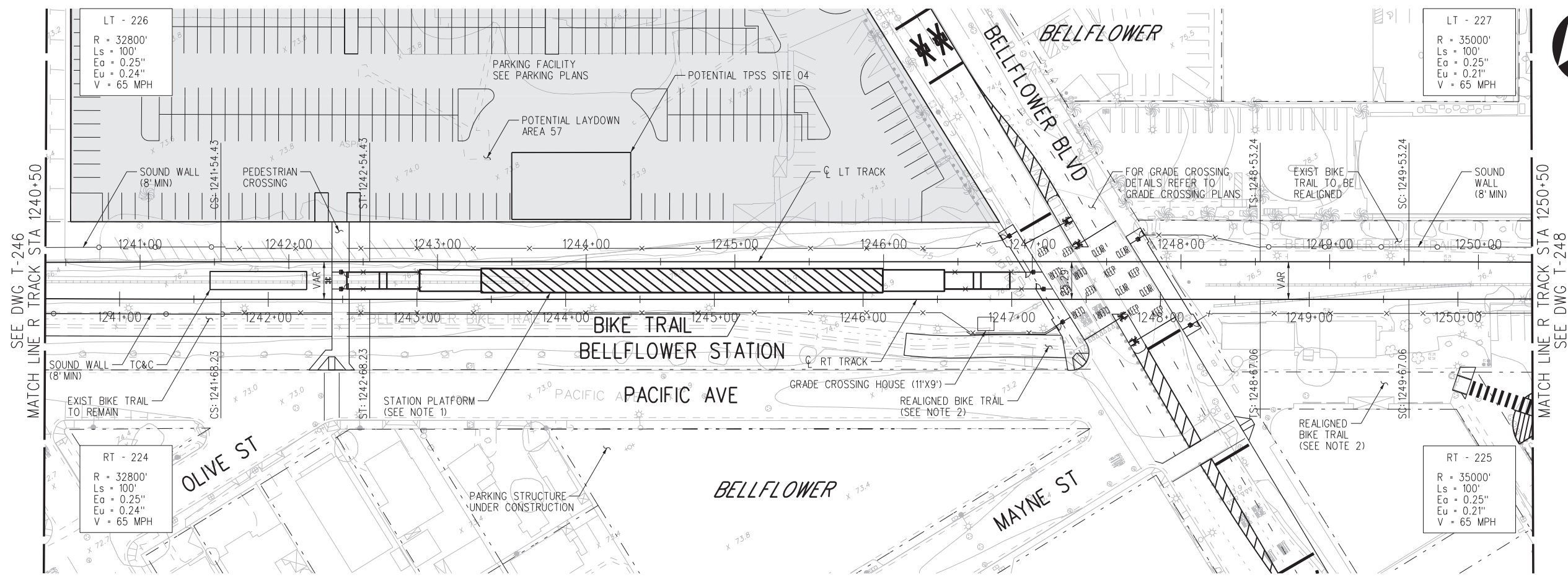
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1230+50 TO STA 1240+50

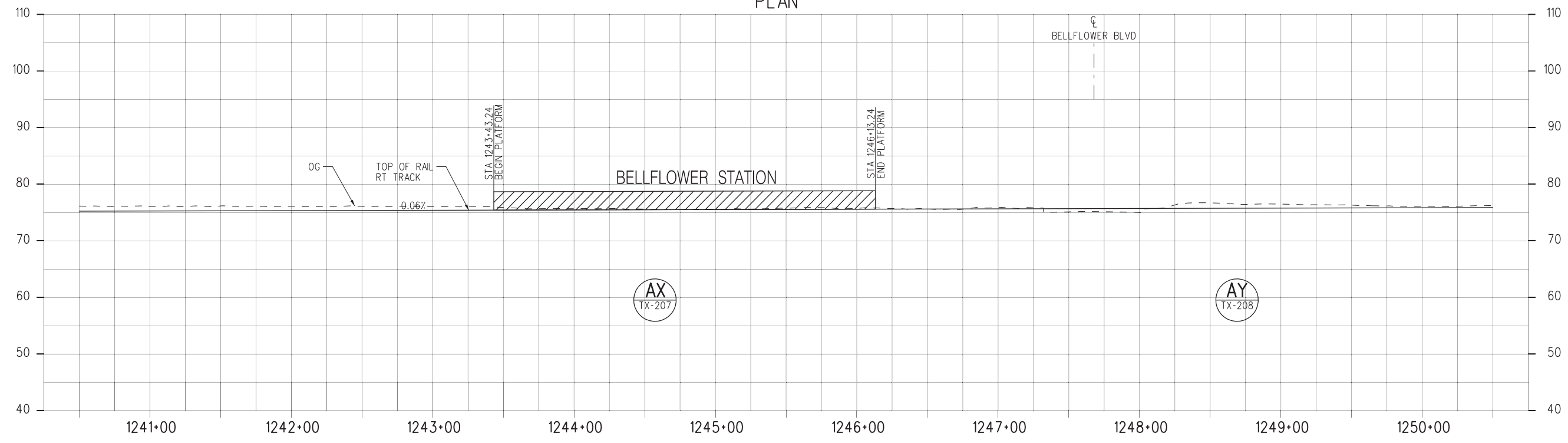
CONTRACT NO.	AE5999300
DRAWING NO.	T-246
SCALE	HOR: 1"=40' VERT: 1"=10'
SHEET NO.	112 OF 154



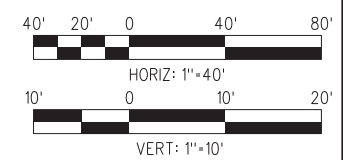
- NOTES:**
- FOR STATION LAYOUT SEE STATION SITE PLANS, SHEET A15-001.
 - BIKE TRAIL REALIGNMENT TO BE DETERMINED. ONGOING COORDINATION WITH THE CITY OF BELLFLOWER.



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT247.plg

wspw04-pw-svc 20:47

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB
0	10/8/2020	DRAWN BY RM
REV	DATE	CHECKED BY RL
BY	APP	IN CHARGE NM
REG NO.	EXPIRES	DATE 10/8/2020
SEAL HOLDER	DESCRIPTION FINAL REVISED ACE SUBMITTAL	

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp
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Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

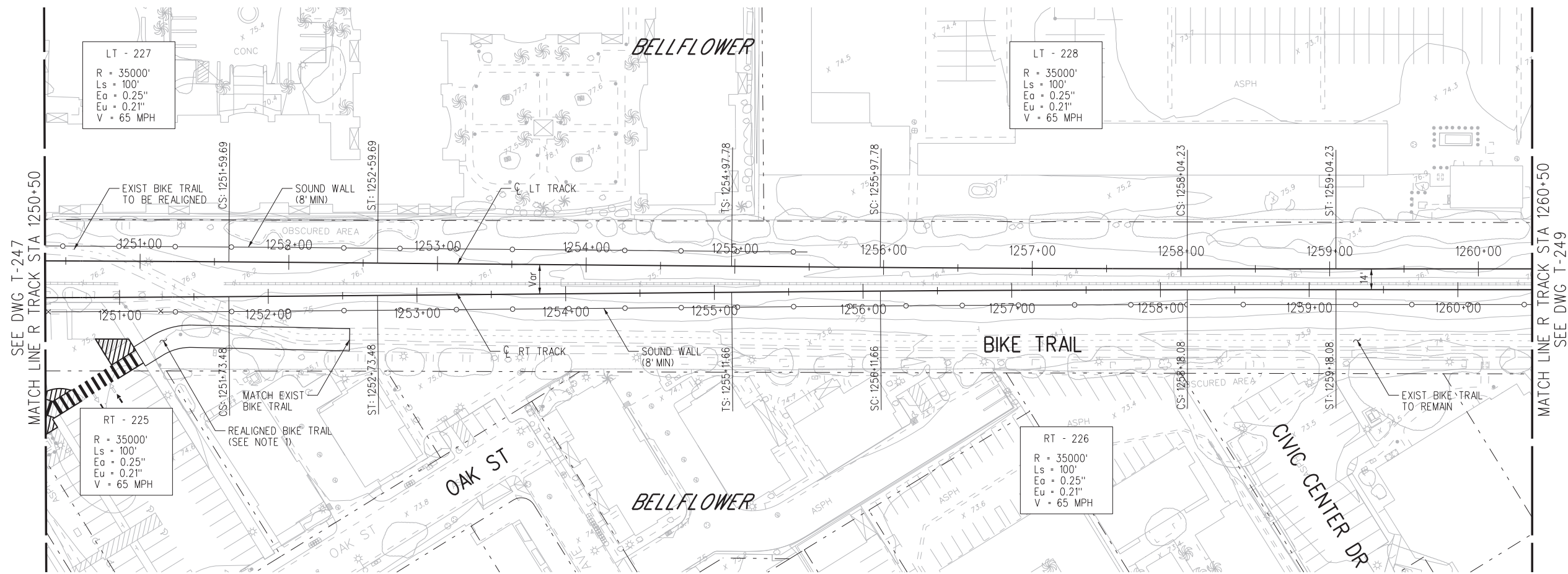
SUBMITTED _____
APPROVED _____

**WEST SANTA ANA BRANCH LRT
TRACK ALIGNMENT
ALTERNATIVES 1, 2, 3, AND 4
PLAN & PROFILE
STA 1240+50 TO STA 1250+50**

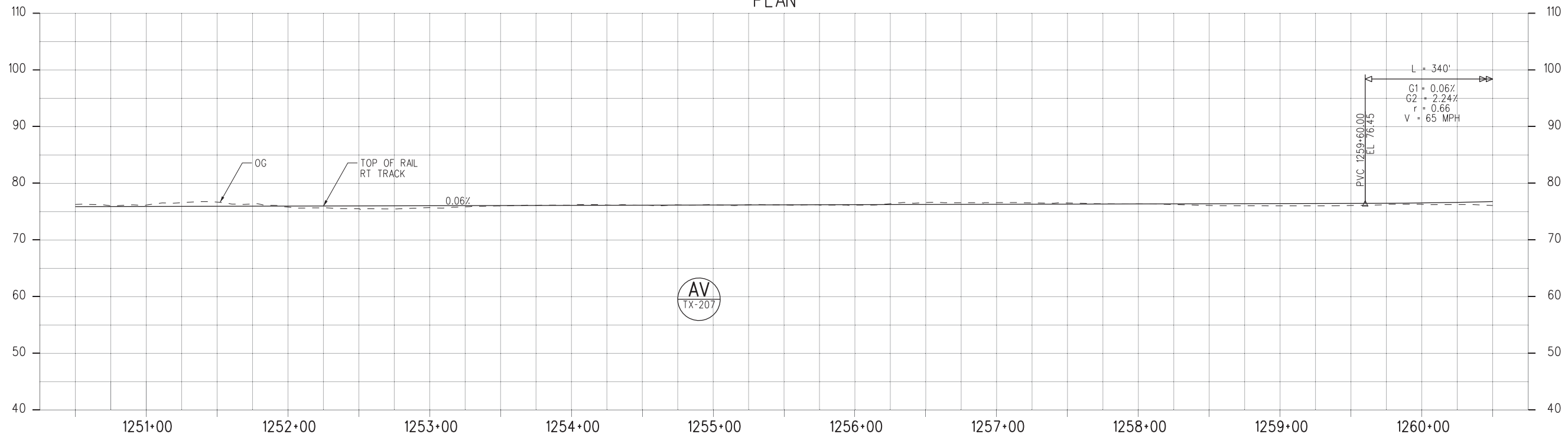
CONTRACT NO. AE5999300	REV
DRAWING NO. T-247	
SCALE HOR: 1" = 40' VERT: 1" = 10'	
SHEET NO. 113	OF 154



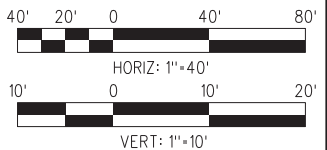
- NOTES:**
- BIKE TRAIL REALIGNMENT TO BE DETERMINED. ONGOING COORDINATION WITH THE CITY OF BELLFLOWER



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT248.plg

wsppw04-pw-svc 20:48

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
DESIGNED BY	CB	DATE	10/8/2020	BY	REG NO.	EXPIRES
DRAWN BY	RM	APP		SEAL HOLDER		
CHECKED BY	RL	DESCRIPTION	FINAL REVISED ACE SUBMITTAL			
IN CHARGE	NM	DATE	10/8/2020			
DATE	10/8/2020					

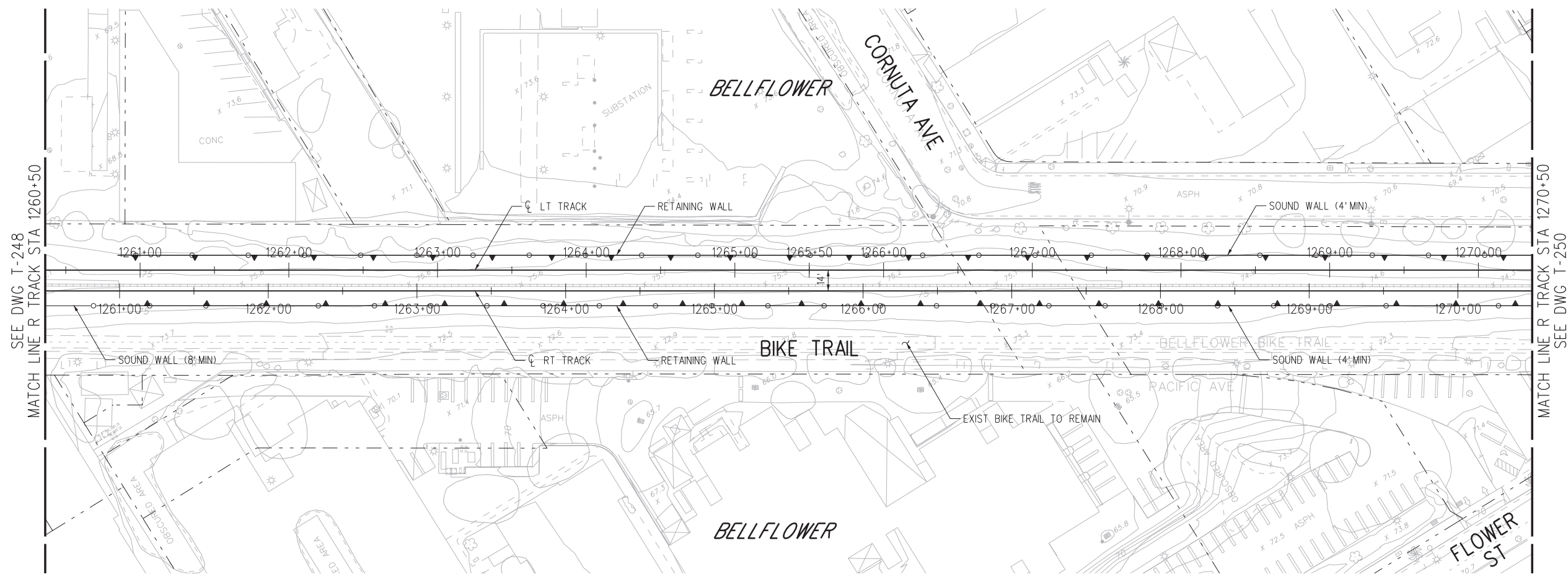
DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

M Metro
wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

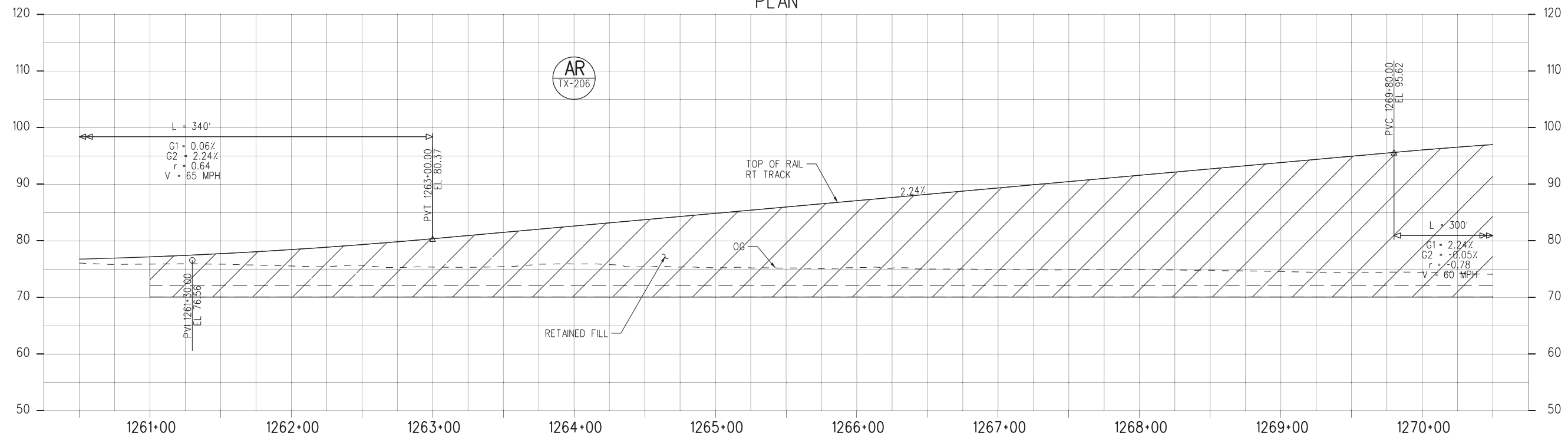
SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1250+50 TO STA 1260+50

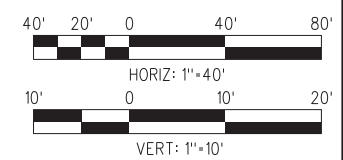
CONTRACT NO. **AE5999300**
 DRAWING NO. **T-248**
 SCALE **HORIZ: 1"=40' VERT: 1"=10'**
 SHEET NO. **114** OF **154**



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT249.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
						FINAL REVISED ACE SUBMITTAL
						DESCRIPTION

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

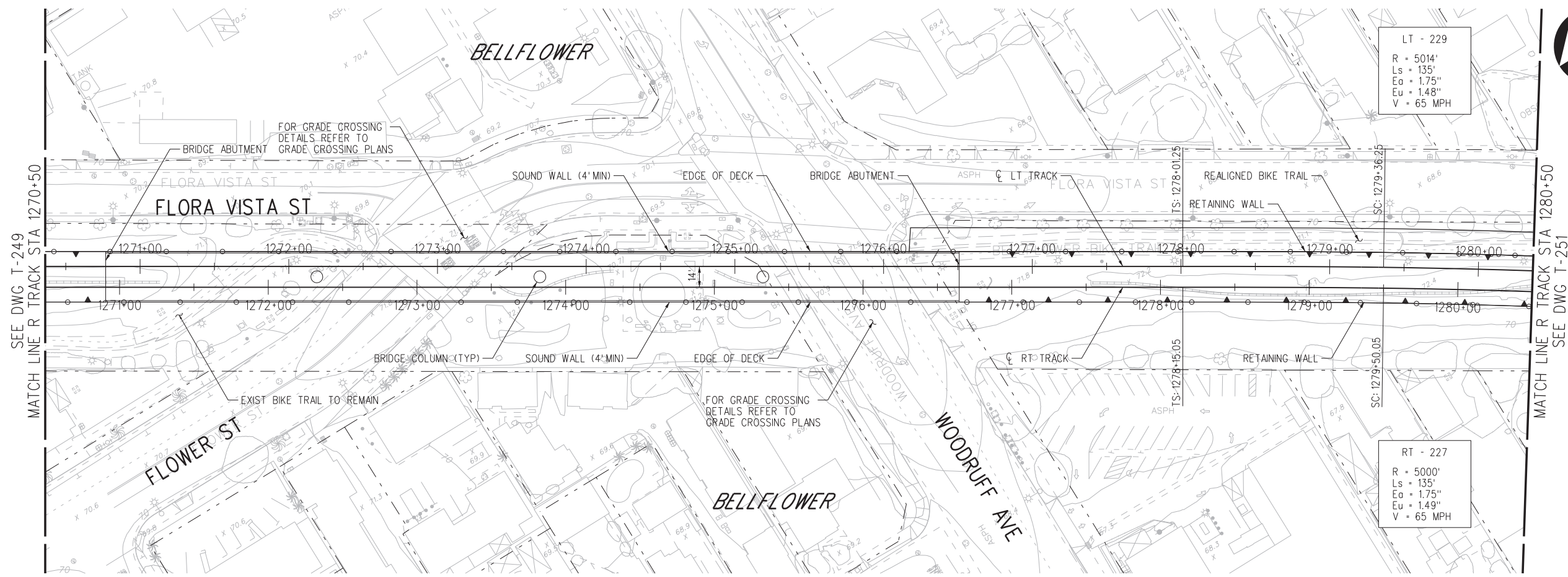


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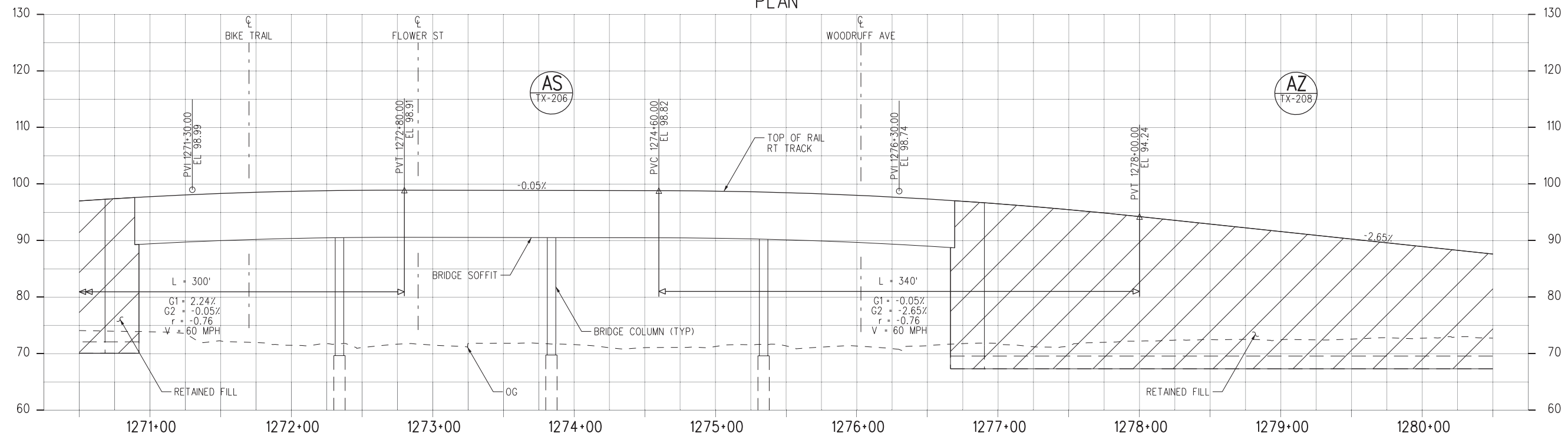
SUBMITTED	_____
APPROVED	_____

CONTRACT NO AE5999300	
DRAWING NO T-249	REV
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO 115	OF 154

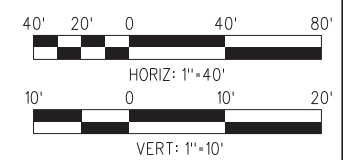
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1260+50 TO STA 1270+50



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT250.plg

wspw04-pw-svc 20:50

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
FINAL REVISED ACE SUBMITTAL						
DESCRIPTION						

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

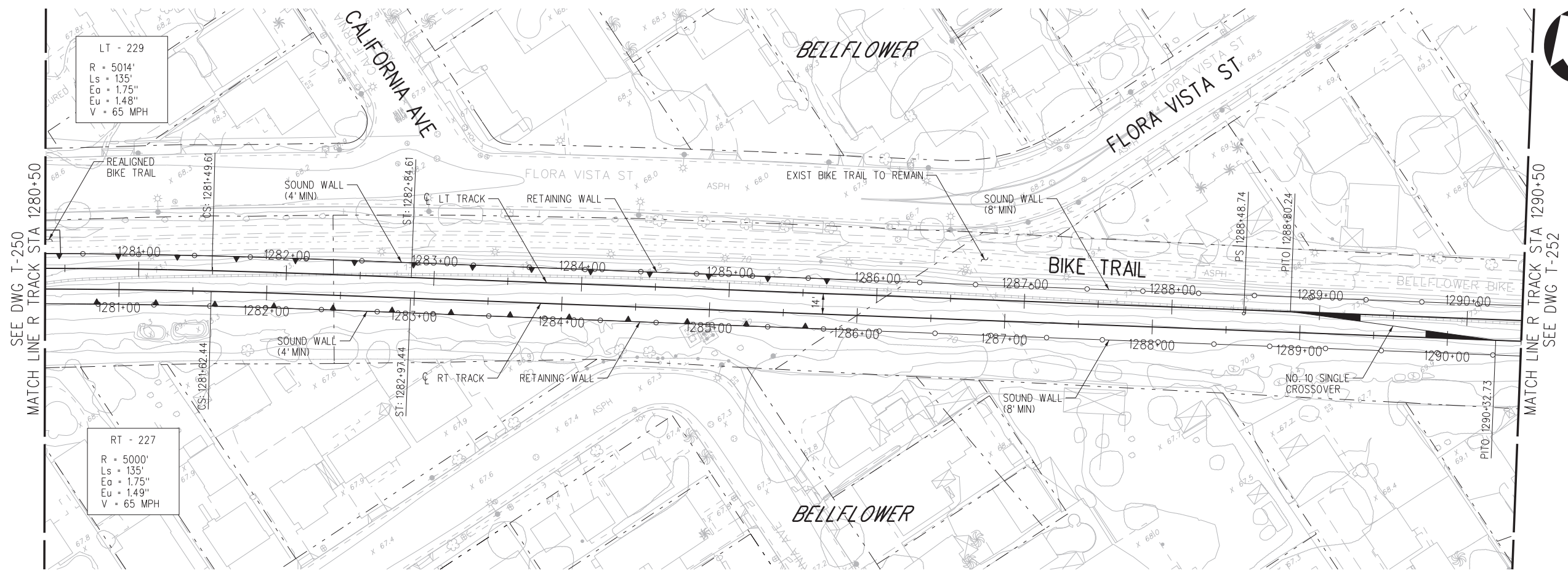
wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____

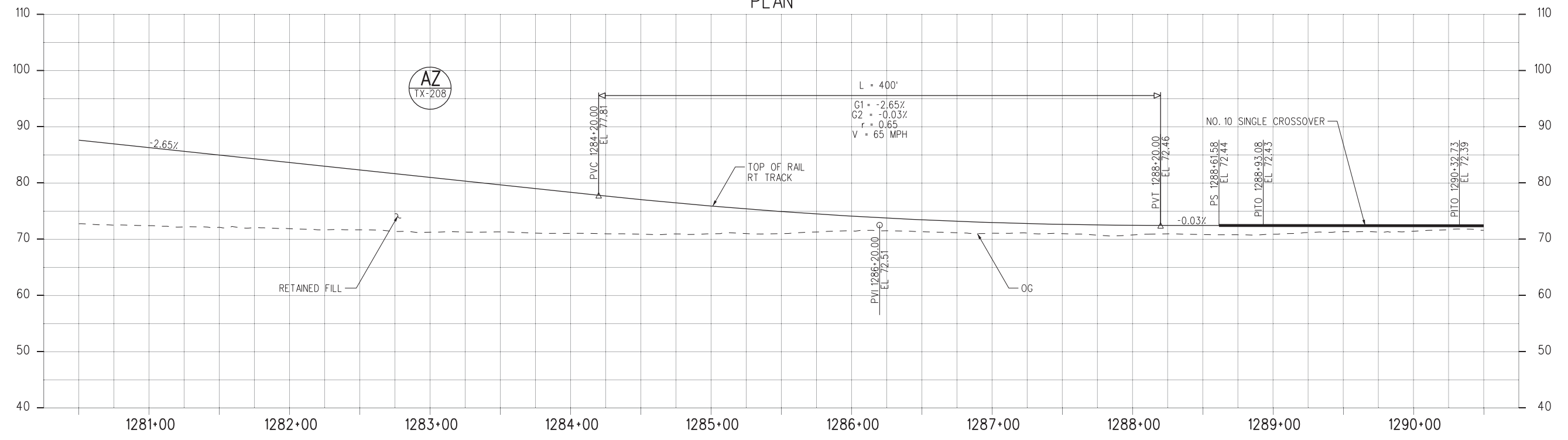
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1270+50 TO STA 1280+50

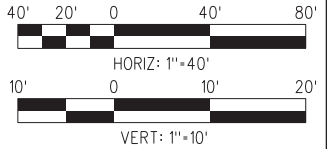
CONTRACT NO. AE5999300	REV
DRAWING NO. T-250	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 116	OF 154



PLAN



PROFILE




NOT FOR CONSTRUCTION

04-MAR-2021 B-28091AT251.plg


FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					FINAL REVISED ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



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Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

SUBMITTED	_____
APPROVED	_____

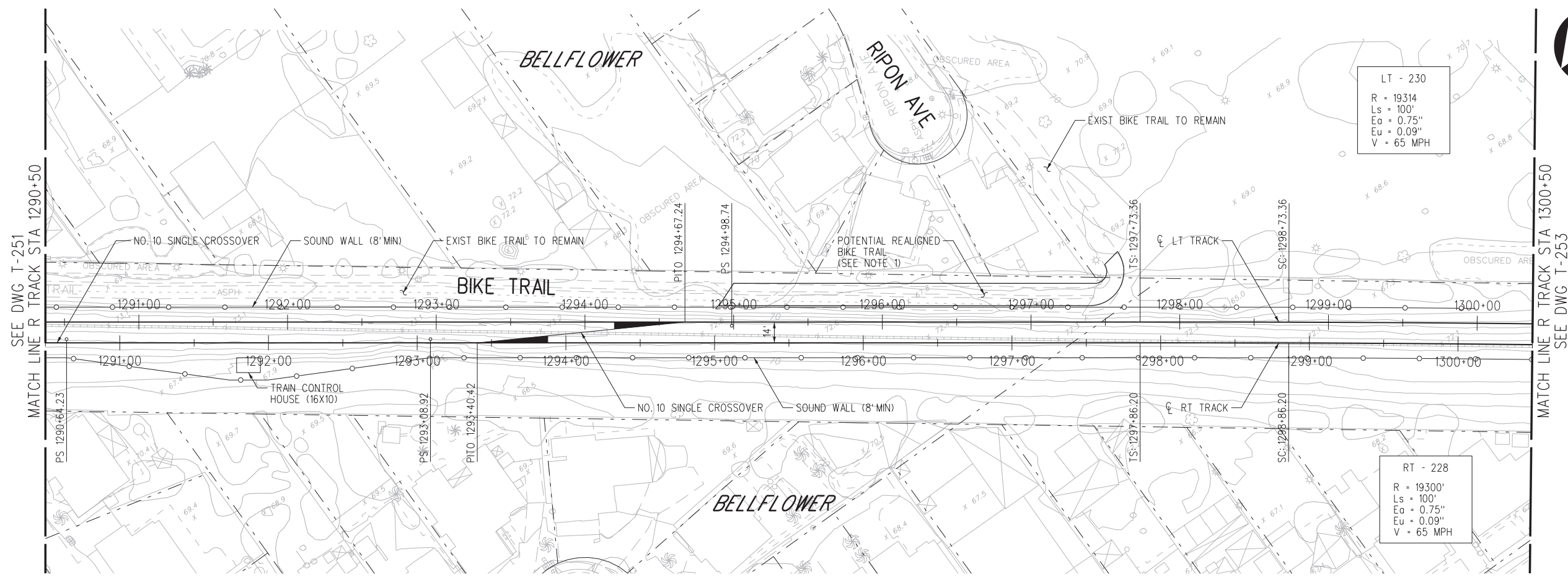
<p>WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE</p> <p>STA 1280+50 TO STA 1290+50</p>	
CONTRACT NO. AE5999300	REV
DRAWING NO. T-251	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 117	OF 154



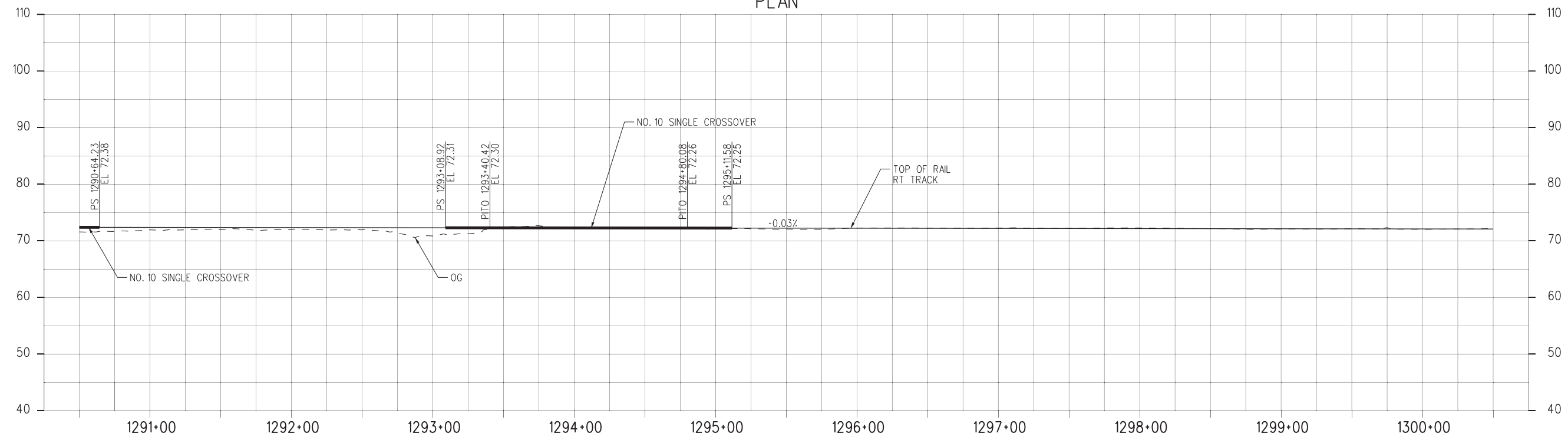
NOTES:
 1. BIKE TRAIL REALIGNMENT TO BE DETERMINED. ONGOING COORDINATION WITH THE CITY OF BELLFLOWER.

LT - 230
 R = 19314
 Ls = 100'
 Ea = 0.75"
 Eu = 0.09"
 V = 65 MPH

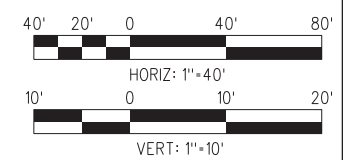
RT - 228
 R = 19300'
 Ls = 100'
 Ea = 0.75"
 Eu = 0.09"
 V = 65 MPH



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT252.plg

wspw04-pw-svc 20:49

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
DESIGNED BY	CB	DATE	10/8/2020	BY	REG NO.	EXPIRES
DRAWN BY	RM	DATE	10/8/2020	BY	REG NO.	EXPIRES
CHECKED BY	RL	DATE	10/8/2020	BY	REG NO.	EXPIRES
IN CHARGE	NM	DATE	10/8/2020	BY	REG NO.	EXPIRES
SEAL HOLDER		DATE		BY	REG NO.	EXPIRES
DESCRIPTION	FINAL REVISED ACE SUBMITTAL					

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

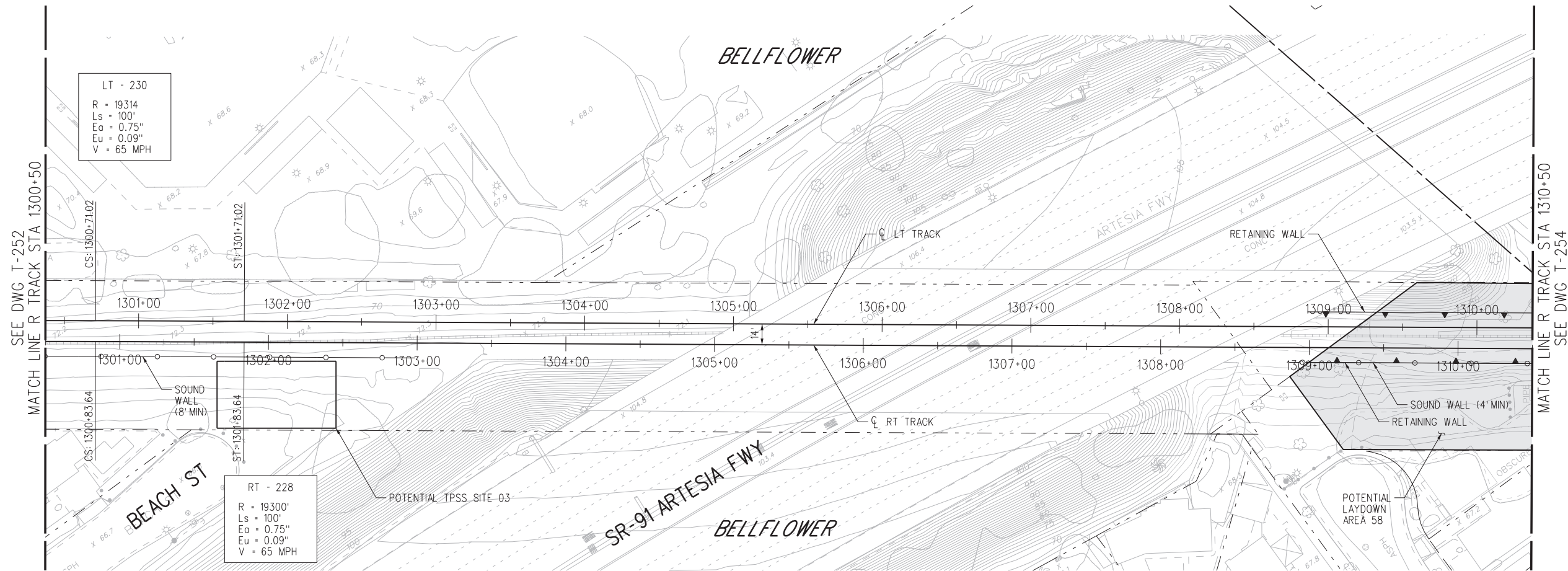
M Metro
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

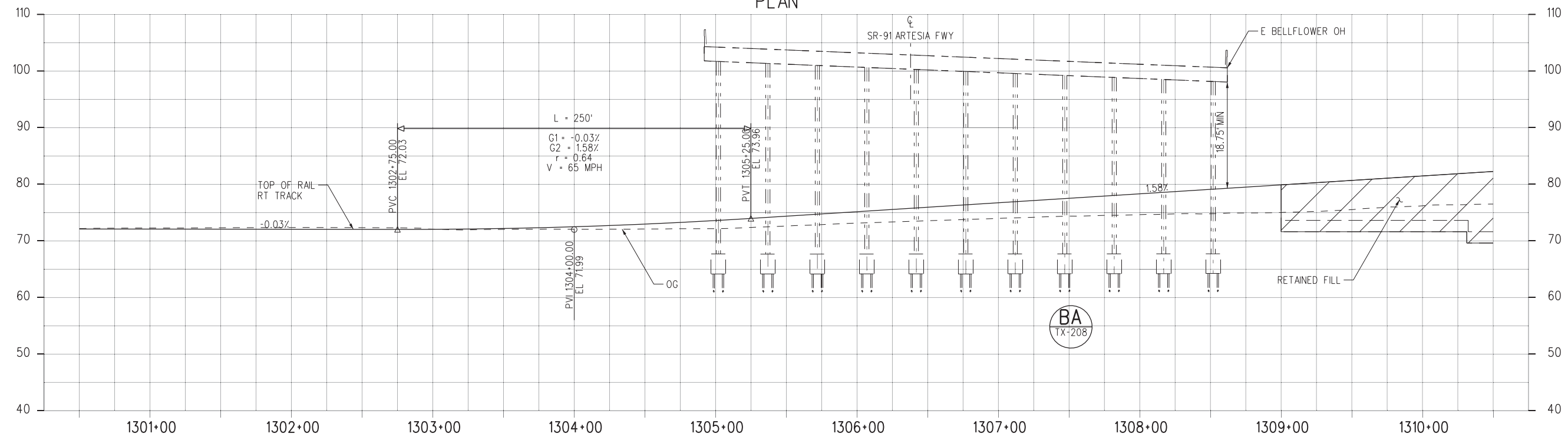
SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1290+50 TO STA 1300+50

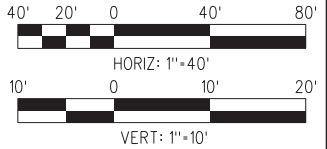
CONTRACT NO.	AE5999300
DRAWING NO.	T-252
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	118 OF 154



PLAN



PROFILE



10-MAY-2021 B-28091AT253.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB
0	10/8/2020	DRAWN BY RM
REV	DATE	CHECKED BY RL
BY	APP	IN CHARGE NM
REG NO.	EXPIRES	DATE 10/8/2020
SEAL HOLDER	DESCRIPTION	
	FINAL REVISED ACE SUBMITTAL	

<p>Metro 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470</p>	<p>CONTRACT NO AE5999300</p> <p>DRAWING NO T-253</p> <p>SCALE HOR: 1"=40' VERT: 1"=10'</p> <p>SHEET NO 119 OF 154</p>
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SUBMITTED _____
 APPROVED _____

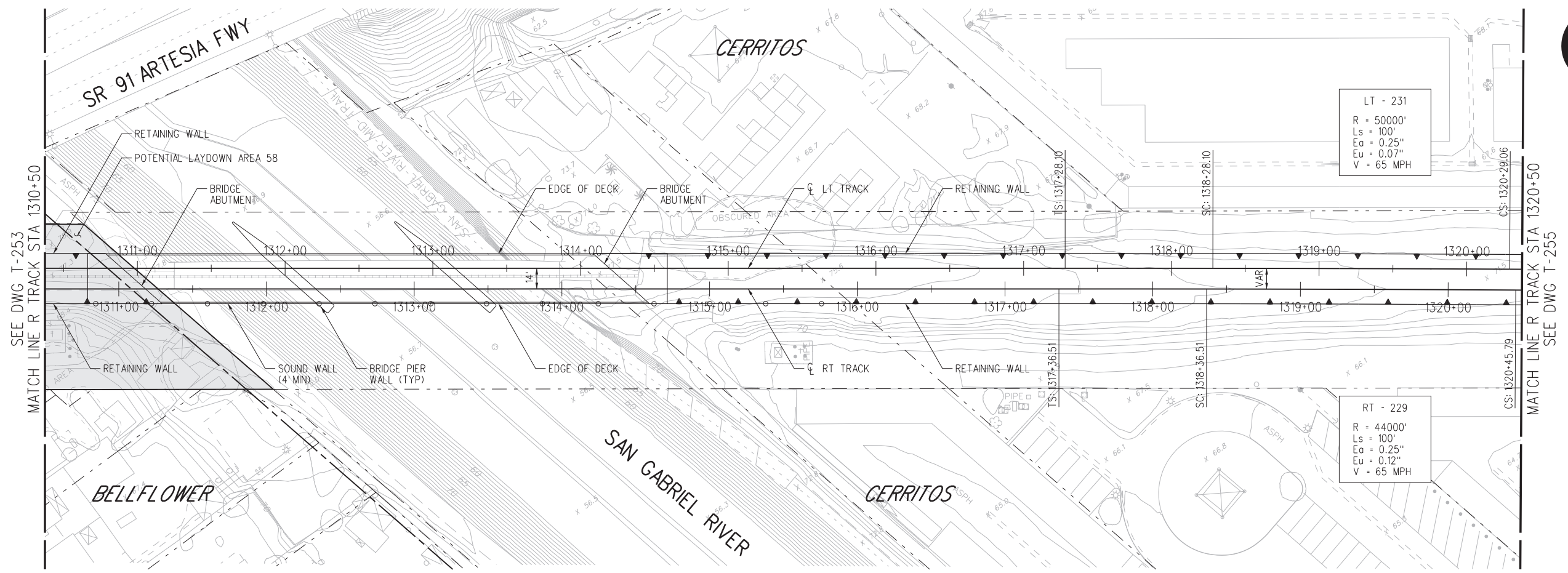
NOT FOR CONSTRUCTION
 WEST SANTA ANA BRANCH LRT
 TRACK ALIGNMENT
 ALTERNATIVES 1, 2, 3, AND 4
 PLAN & PROFILE
 STA 1300+50 TO STA 1310+50



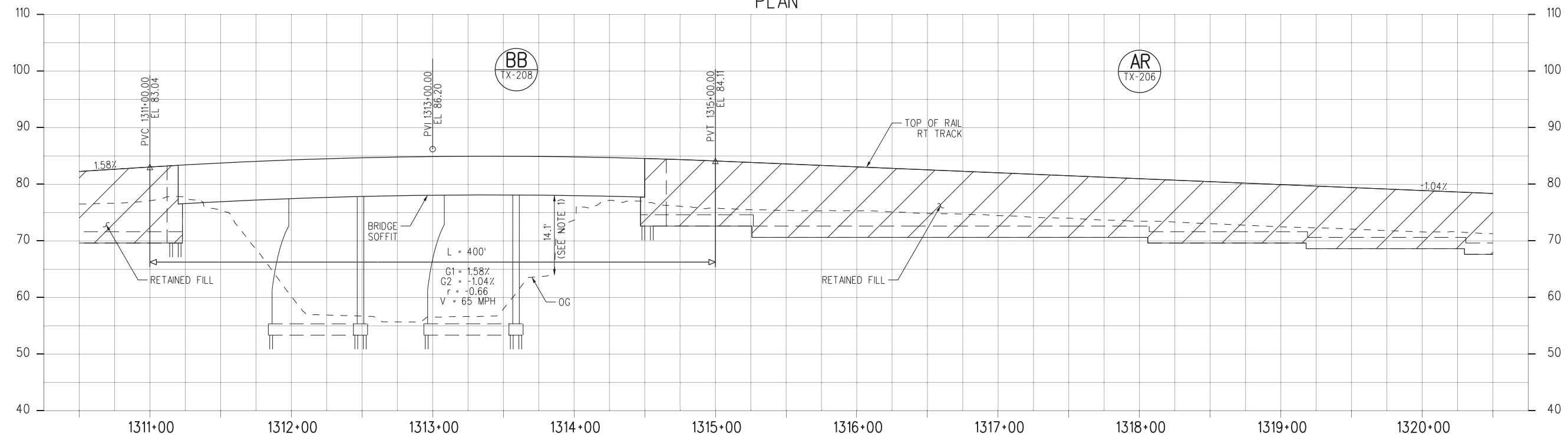
NOTES:
 1. MINIMUM VERTICAL CLEARANCE INCLUDES 3.5' FREEBOARD.

LT - 231
 R = 50000'
 Ls = 100'
 Eo = 0.25"
 Eu = 0.07"
 V = 65 MPH

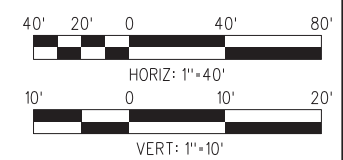
RT - 229
 R = 44000'
 Ls = 100'
 Eo = 0.25"
 Eu = 0.12"
 V = 65 MPH



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT254.plg
 wspw04-pw-svc 20:49

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
FINAL REVISED ACE SUBMITTAL						
DESCRIPTION						

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

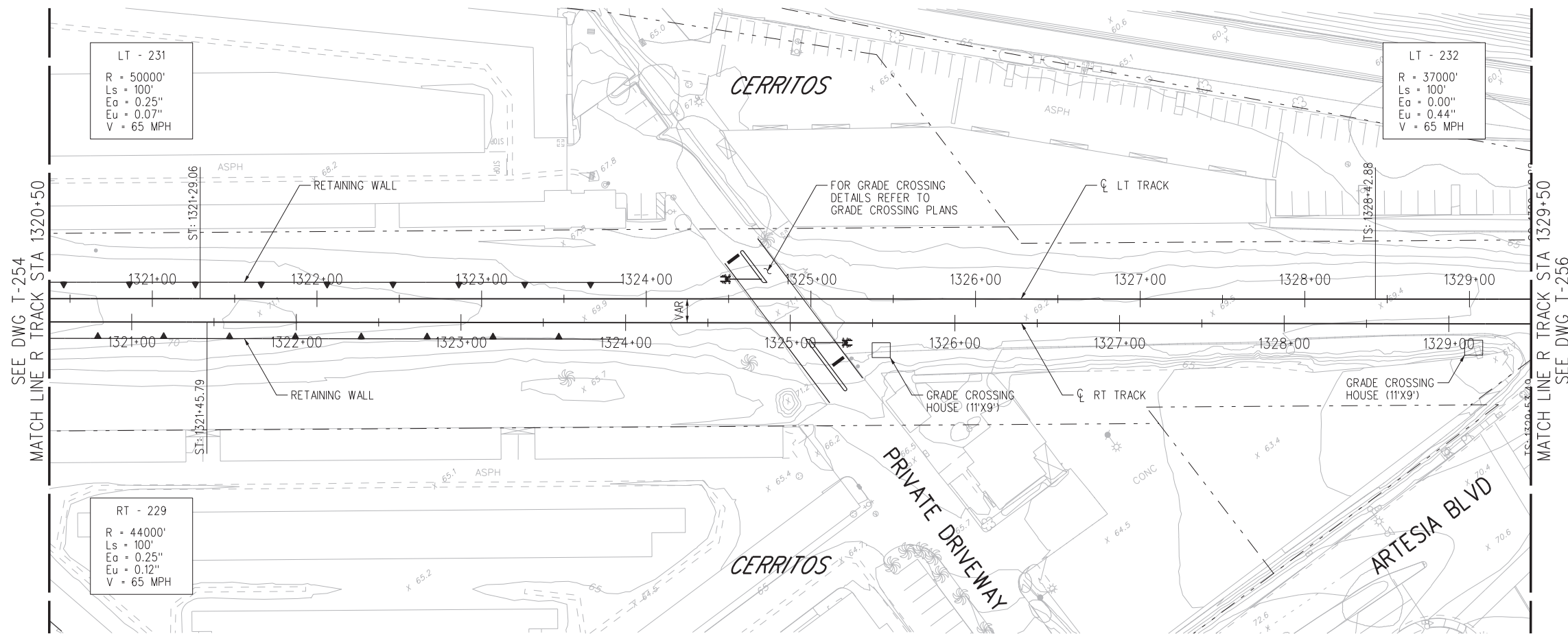
M Metro
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

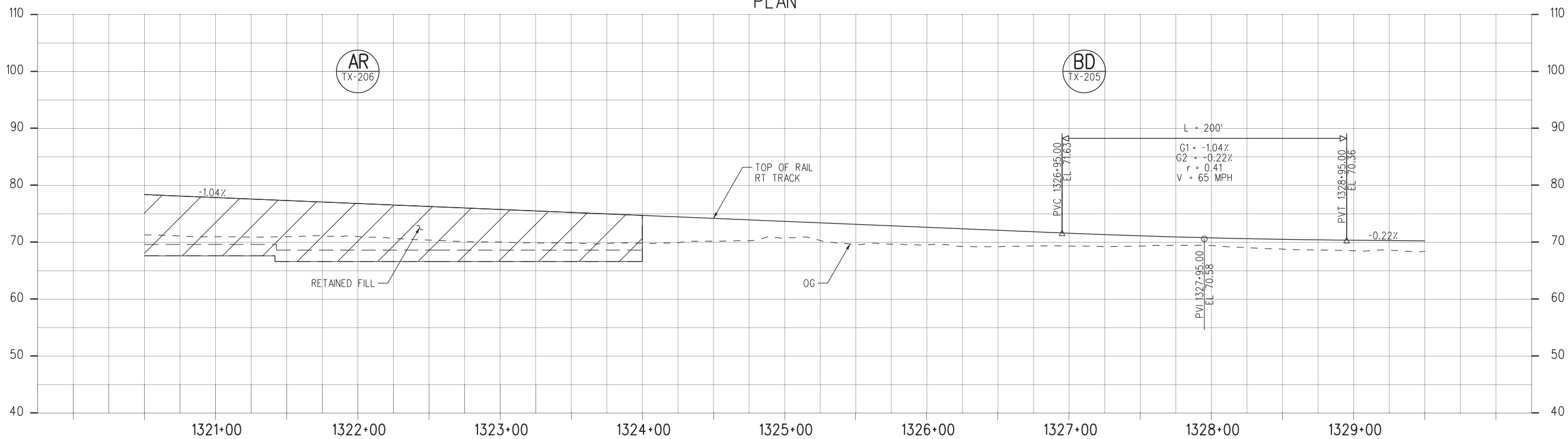
SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1310+50 TO STA 1320+50

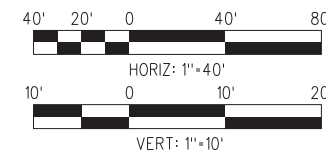
CONTRACT NO. AE5999300
 DRAWING NO. T-254
 SCALE: HORIZ: 1"=40' VERT: 1"=10'
 SHEET NO. 120 OF 154



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT255.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB	<table border="1"> <tr> <th>REV</th> <th>DATE</th> <th>BY</th> <th>APP</th> <th>REG NO.</th> <th>EXPIRES</th> <th>SEAL HOLDER</th> <th>DESCRIPTION</th> </tr> <tr> <td>0</td> <td>10/8/2020</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>FINAL REVISED ACE SUBMITTAL</td> </tr> </table>	REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	0	10/8/2020						FINAL REVISED ACE SUBMITTAL
REV	DATE	BY		APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION											
0	10/8/2020							FINAL REVISED ACE SUBMITTAL											
		DRAWN BY RM																	
		CHECKED BY RL																	
		IN CHARGE NM																	
		DATE 10/8/2020																	

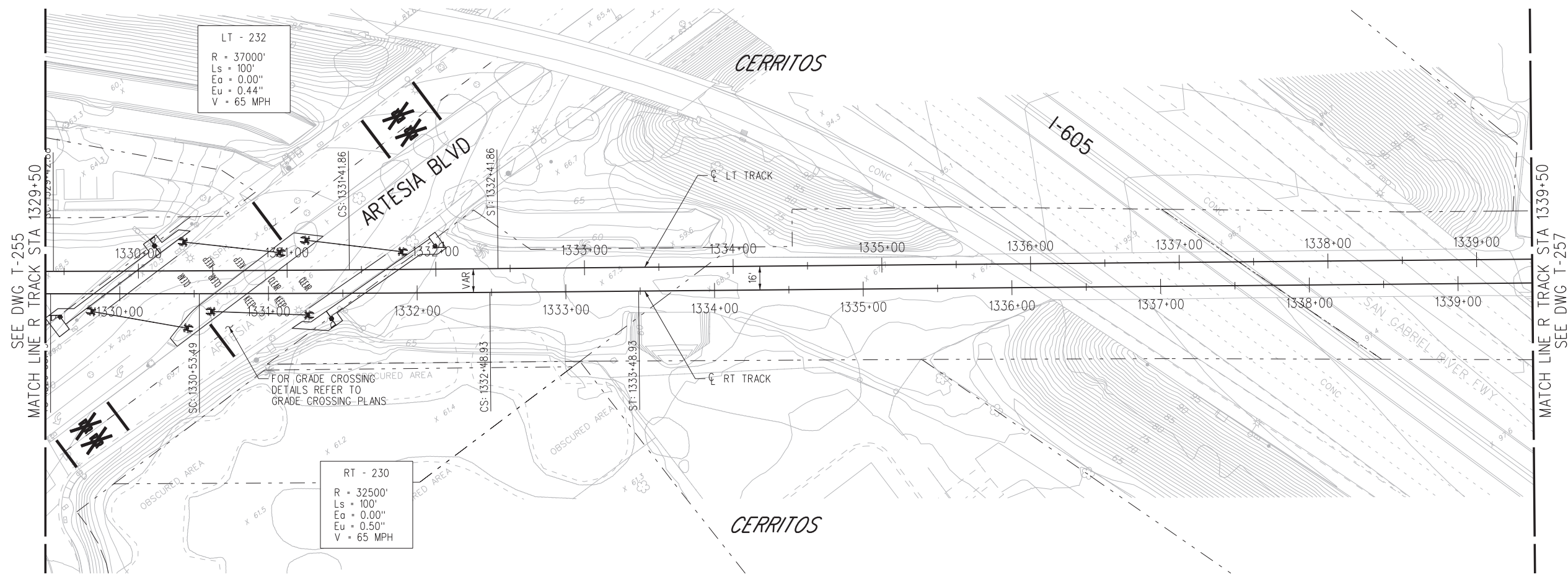
M Metro
wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

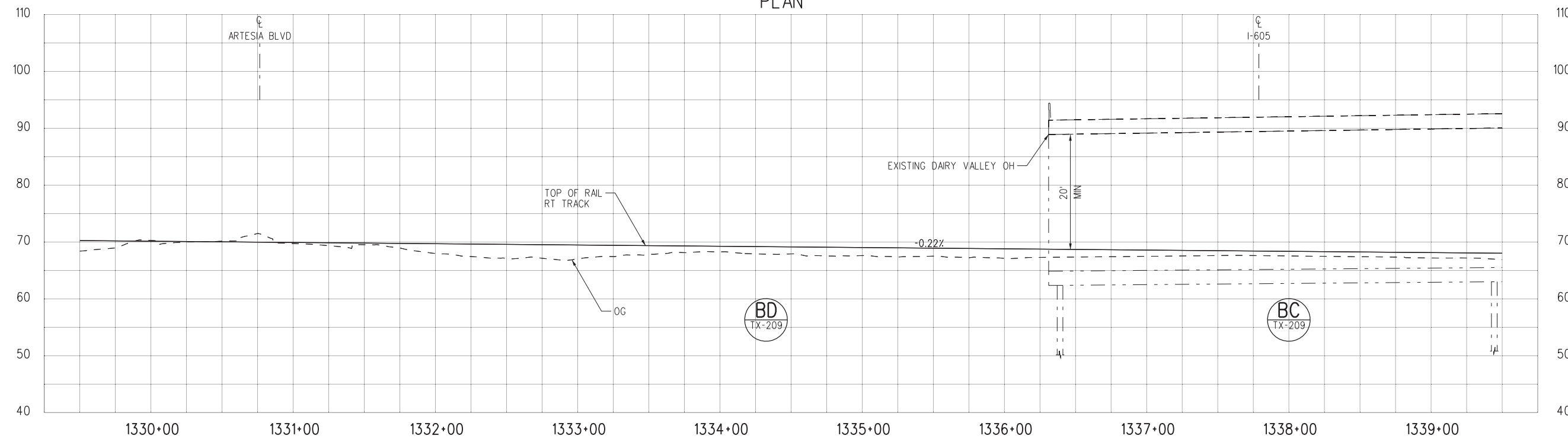
SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1320+50 TO STA 1329+50

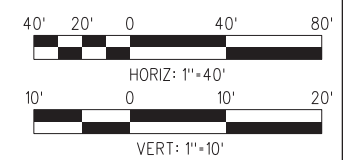
CONTRACT NO. **AE5999300**
 DRAWING NO. **T-255** REV _____
 SCALE **HORIZ: 1"=40'**
VERT: 1"=10'
 SHEET NO. **121** OF **154**



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT256.plg

Plot Driver=MTA-half.pen
 Pentable=bw.plt

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	CONTRACT NO. AE5999300							
REV	DATE	BY		DRAWING NO. T-256	REV						
0	10/8/2020			SCALE HOR: 1"=40' VERT: 1"=10'							
				SHEET NO. 122 OF 154							
		APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	DATE	IN CHARGE	DATE	IN CHARGE	DATE
						FINAL REVISED ACE SUBMITTAL	10/8/2020				

DESIGNED BY
CB

DRAWN BY
RM

CHECKED BY
RL

IN CHARGE
NM

DATE
10/8/2020

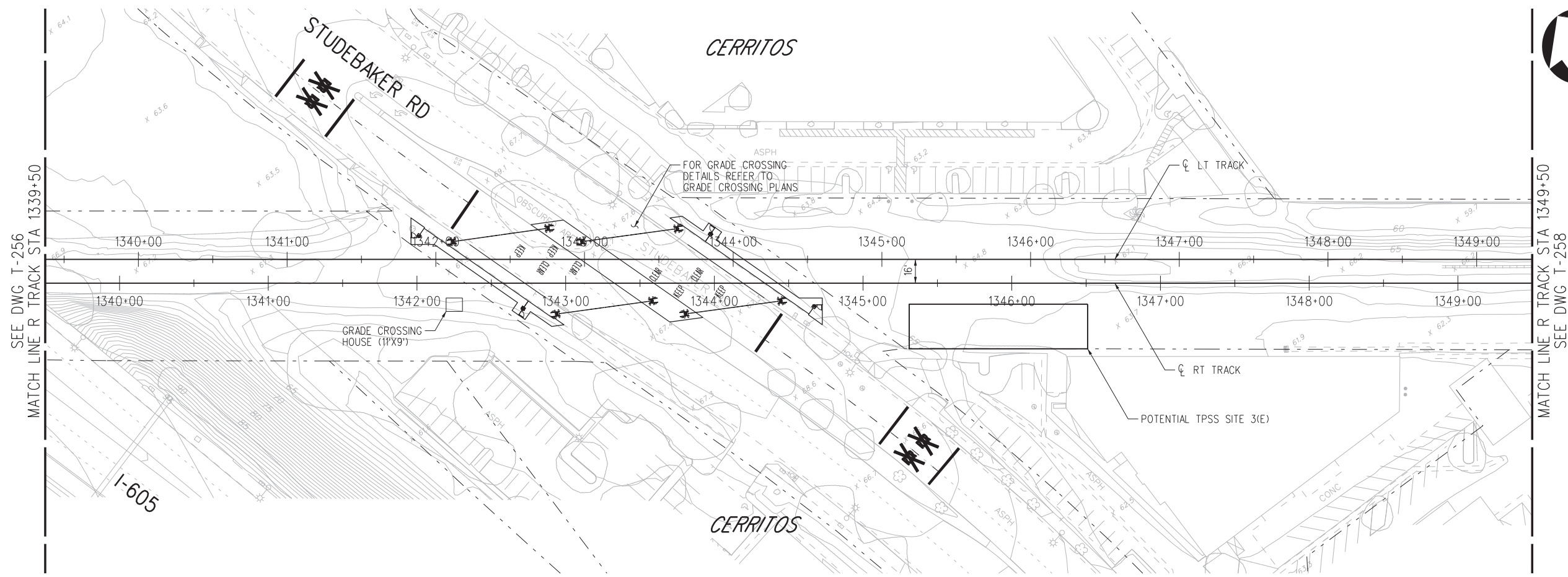
Metro

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

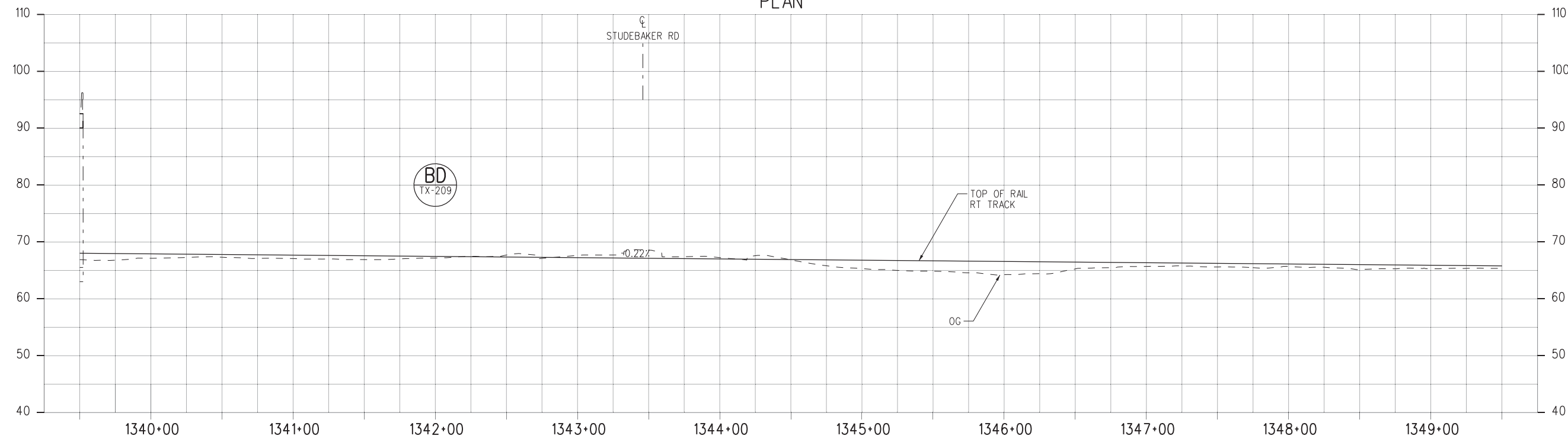
SUBMITTED _____

APPROVED _____

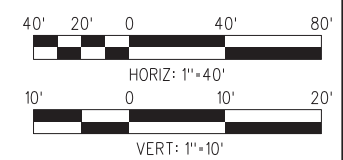
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1329+50 TO STA 1339+50



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 10:50 B-28091AT257.plt

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
DESIGNED BY	CB	DATE	10/8/2020	BY		DESCRIPTION
DRAWN BY	RM	APP		REG NO.		EXPRES
CHECKED BY	RL	SEAL HOLDER		EXPIRES		
IN CHARGE	NM	DATE	10/8/2020	DESCRIPTION	FINAL REVISED ACE SUBMITTAL	
REV	0	DATE	10/8/2020	BY		

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

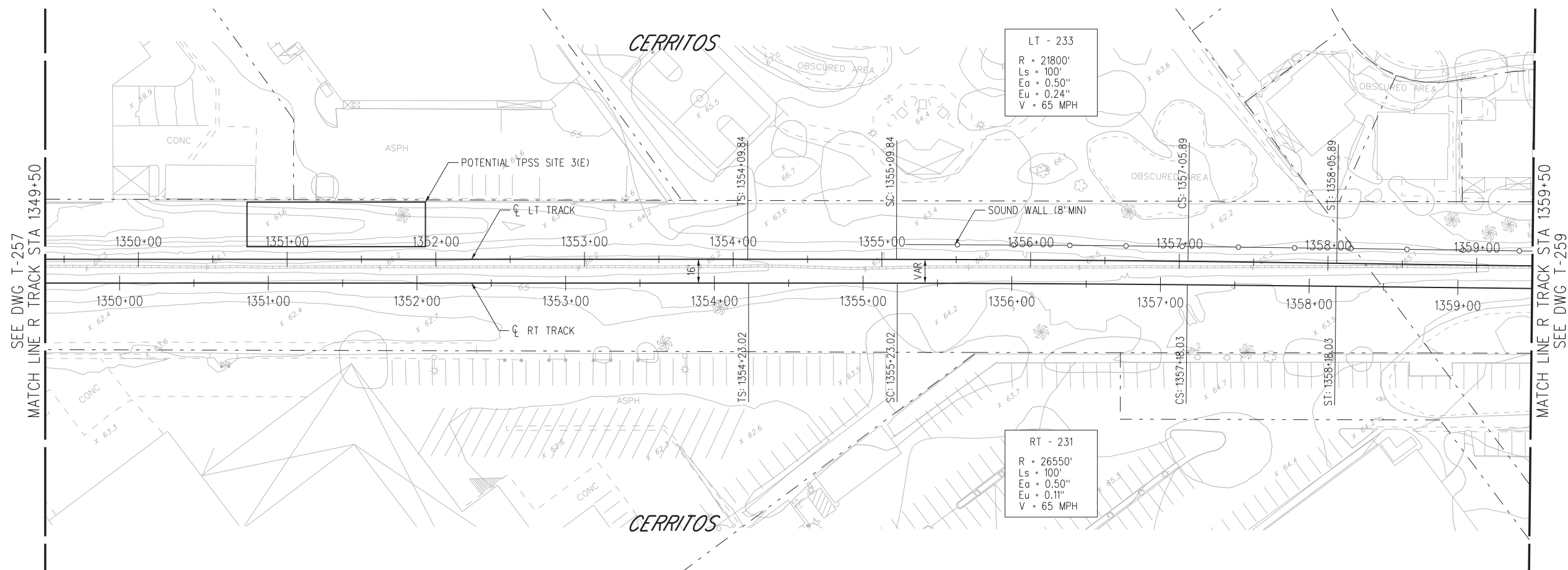
M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

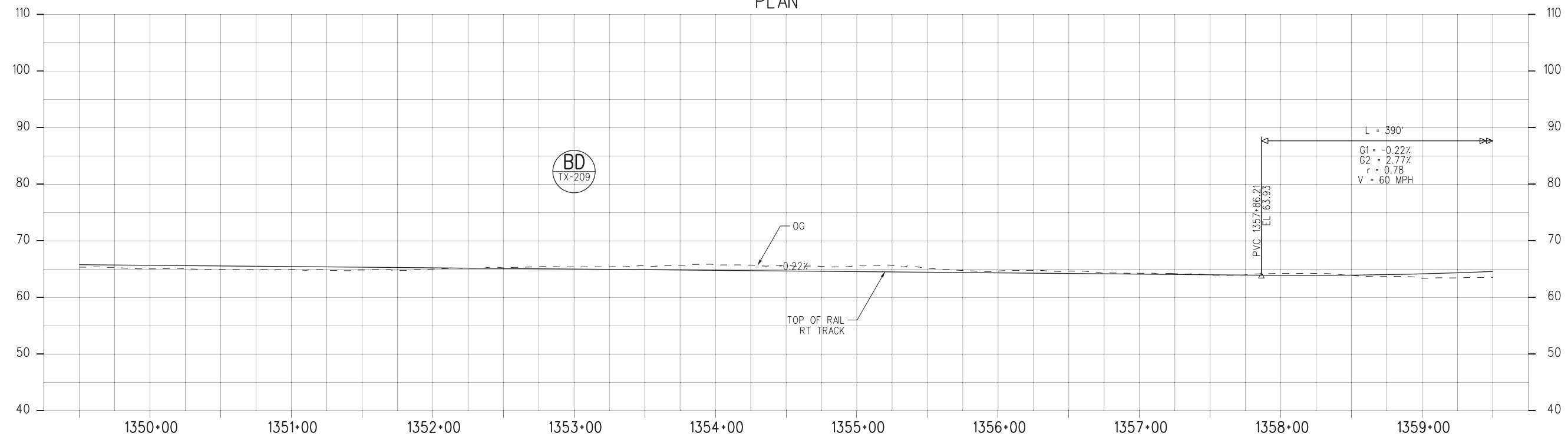
SUBMITTED _____
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1339+50 TO STA 1349+50

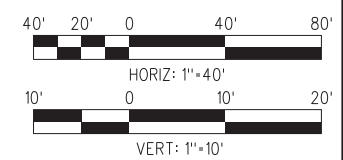
CONTRACT NO.	AE5999300
DRAWING NO.	T-257
SCALE	HOR: 1"=40' VERT: 1"=10'
SHEET NO.	123 OF 154



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT258.plt

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
DESIGNED BY	CB	DATE	10/8/2020	BY		DESCRIPTION
DRAWN BY	RM	APP		REG NO.		EXPRES
CHECKED BY	RL	SEAL HOLDER		EXPIRES		
IN CHARGE	NM	DATE	10/8/2020	DESCRIPTION	FINAL REVISED ACE SUBMITTAL	
REV	0	DATE	10/8/2020	BY		

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

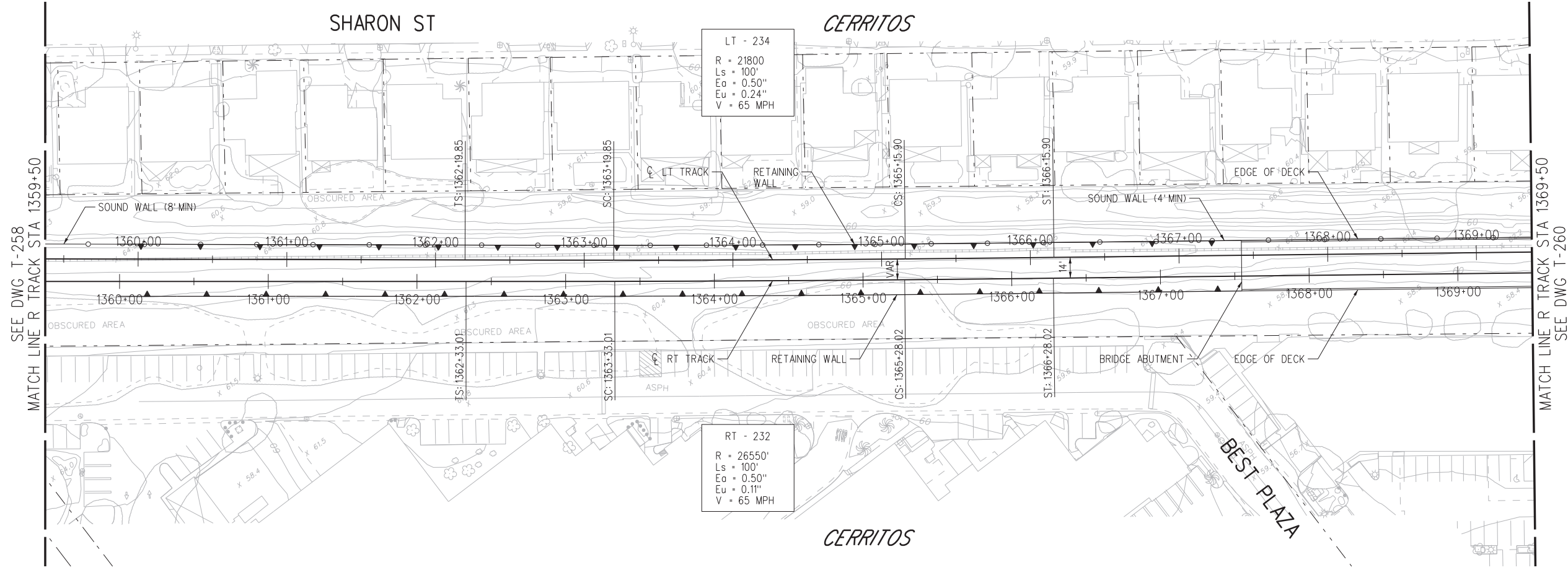
444 South Flower Street
 Suite 800
 Los Angeles, CA 90071
 TEL (213) 362-9470

SUBMITTED _____

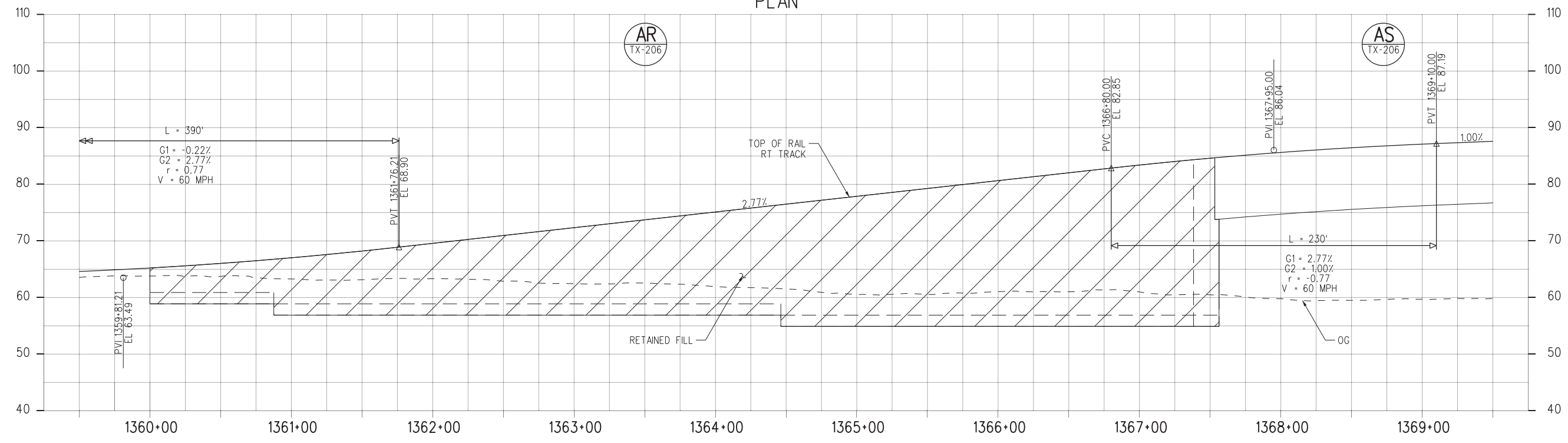
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE
 STA 1349+50 TO STA 1359+50

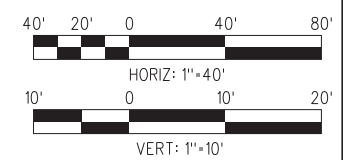
CONTRACT NO.	AE5999300
DRAWING NO.	T-258
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	124 OF 154



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT259.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
DESIGNED BY	CB	DATE	10/8/2020	BY	APP	REG NO.
DRAWN BY	RM	EXPIRES		SEAL HOLDER		
CHECKED BY	RL	DESCRIPTION	FINAL REVISED ACE SUBMITTAL			
IN CHARGE	NM					
DATE	10/8/2020					

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

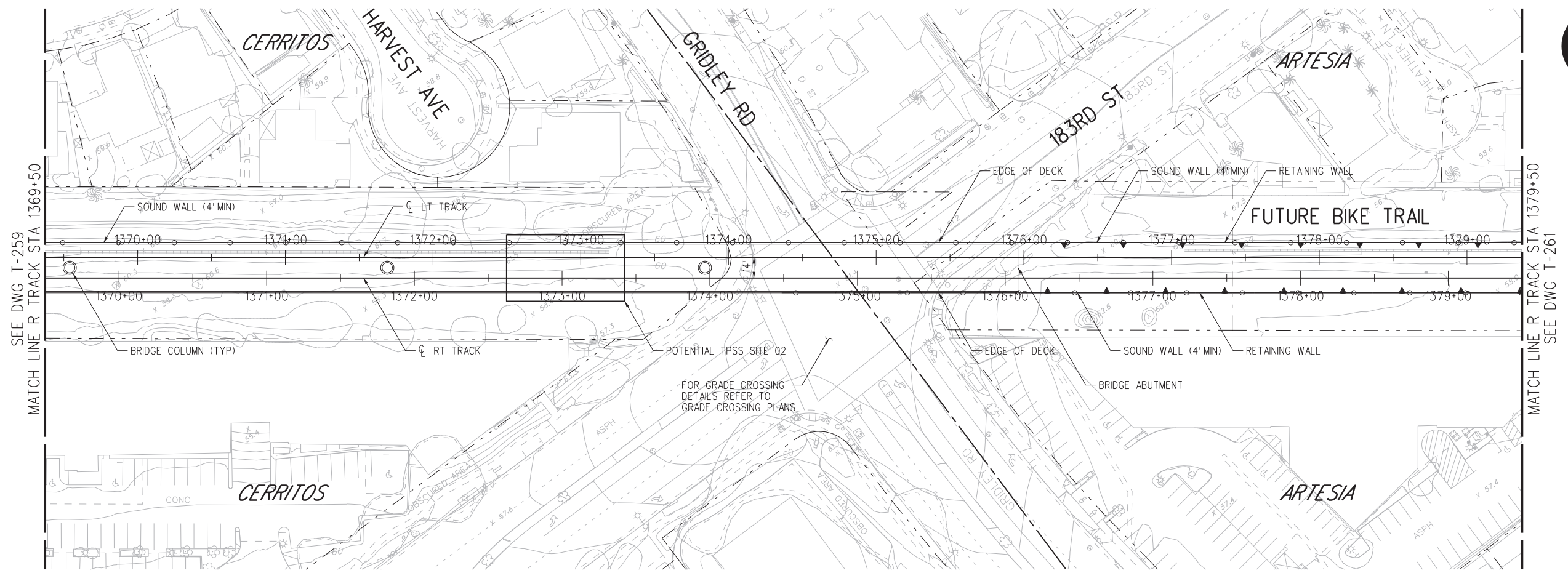
M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

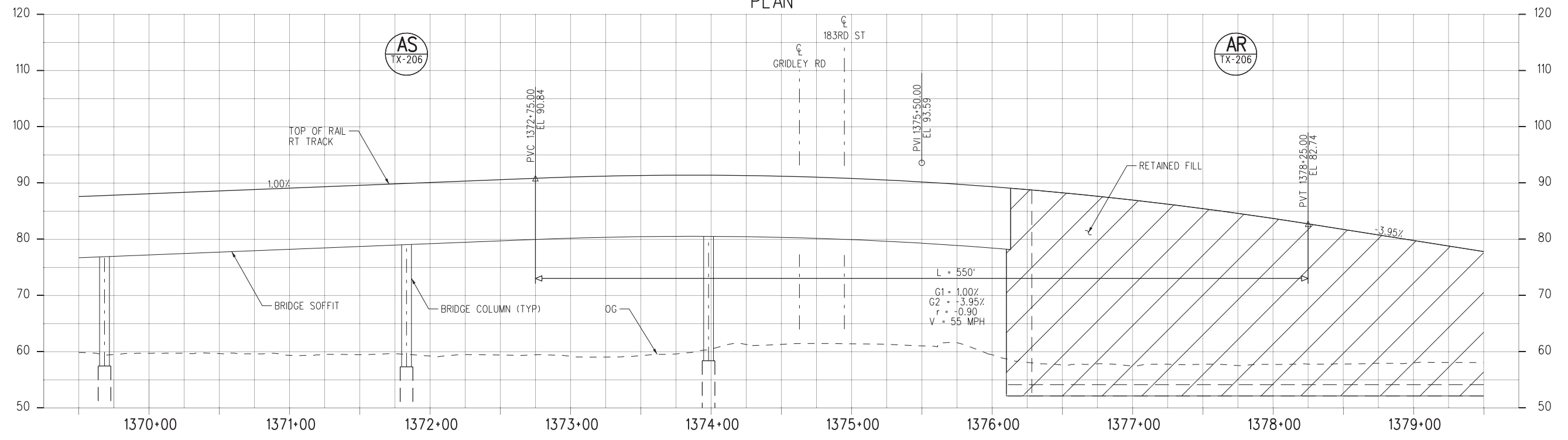
SUBMITTED _____
 APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1359+50 TO STA 1369+50

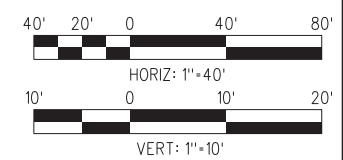
CONTRACT NO. **AE5999300**
 DRAWING NO. **T-259**
 SCALE **HOR: 1"=40' VERT: 1"=10'**
 SHEET NO. **125 OF 154**



PLAN



PROFILE



10-MAY-2021 B-28091AT260.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
						FINAL REVISED ACE SUBMITTAL
						DESCRIPTION

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

M Metro

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____

APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1369+50 TO STA 1379+50

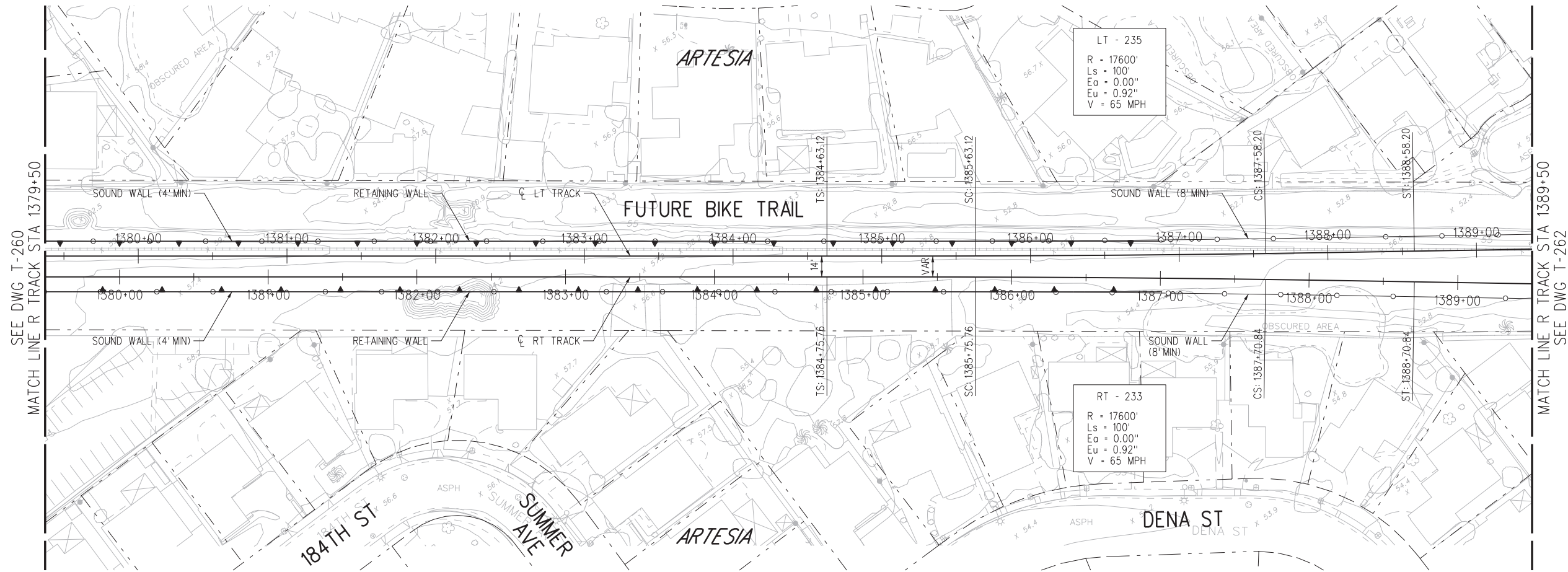
CONTRACT NO. AE5999300	REV
DRAWING NO. T-260	
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO. 126	OF 154

NOT FOR CONSTRUCTION

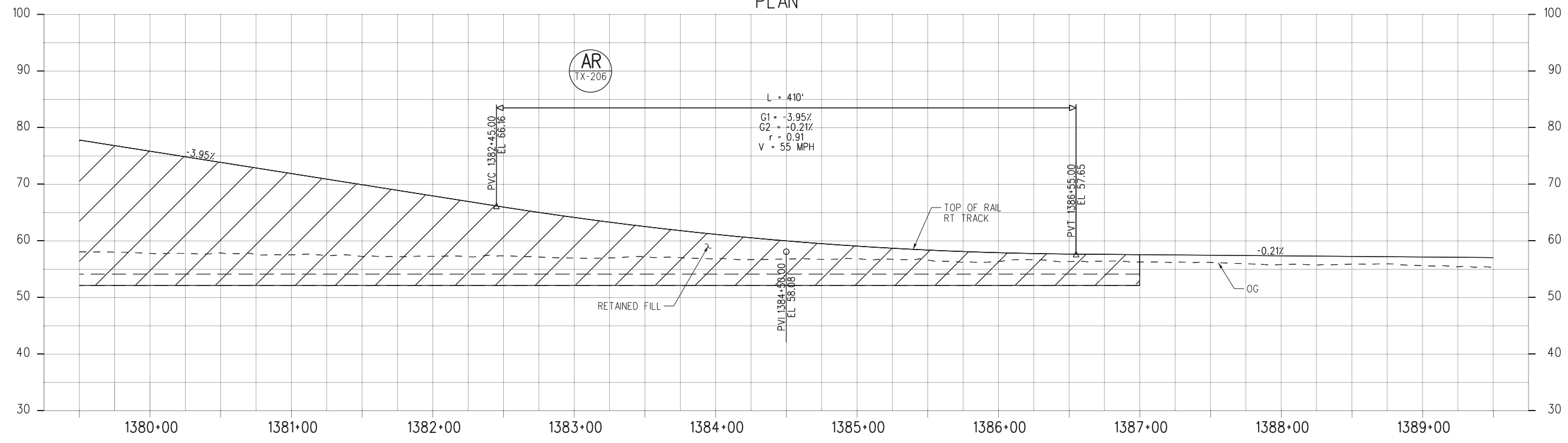


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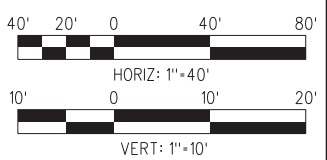
- 1. METRO DESIGN DEVIATION MAY BE REQUIRED. SECTION 10 STATES CROSSOVER SHOULD BE WITHIN 500' FROM TERMINAL PLATFORM.



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT261.plg
wsppw04-pw-svc 20:49

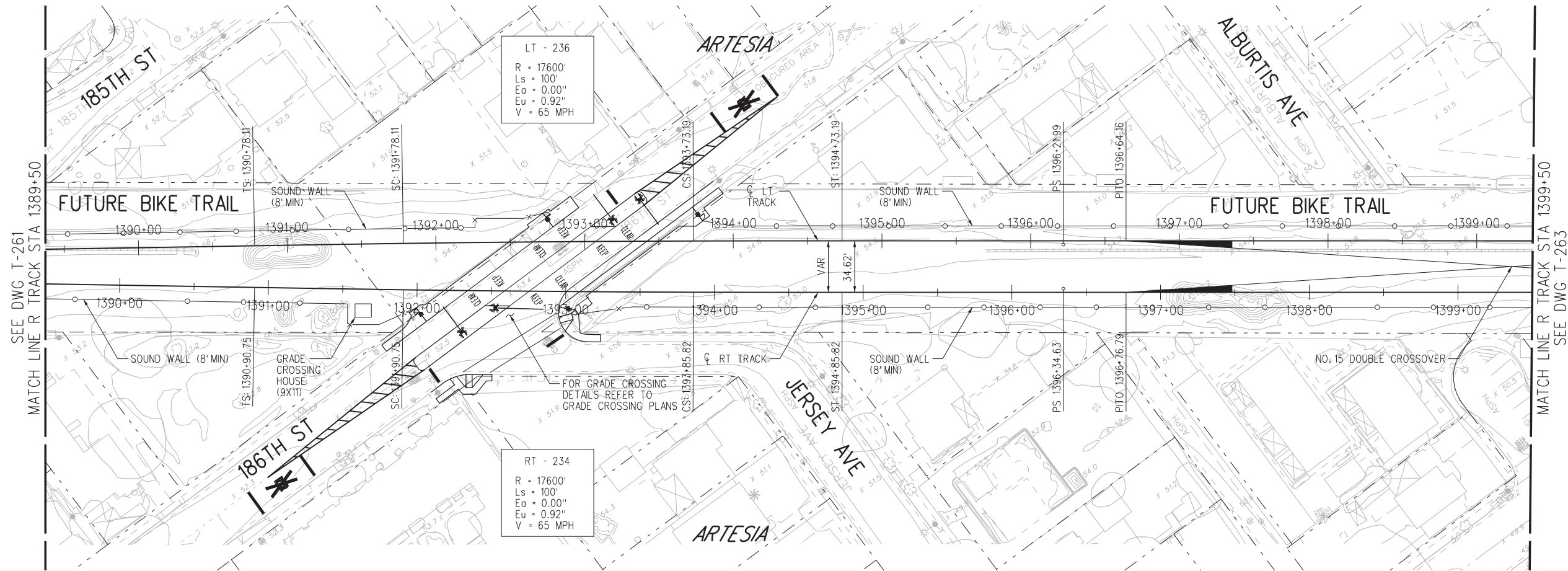
FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB	<table border="1"> <tr><td>REV</td><td>DATE</td><td>BY</td><td>APP</td><td>REG NO.</td><td>EXPIRES</td><td>SEAL HOLDER</td><td>DESCRIPTION</td></tr> <tr><td>0</td><td>10/8/2020</td><td></td><td></td><td></td><td></td><td></td><td>FINAL REVISED ACE SUBMITTAL</td></tr> </table>	REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	0	10/8/2020						FINAL REVISED ACE SUBMITTAL
REV	DATE	BY		APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION											
0	10/8/2020							FINAL REVISED ACE SUBMITTAL											
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		IN CHARGE NM																	
		DATE 10/8/2020																	

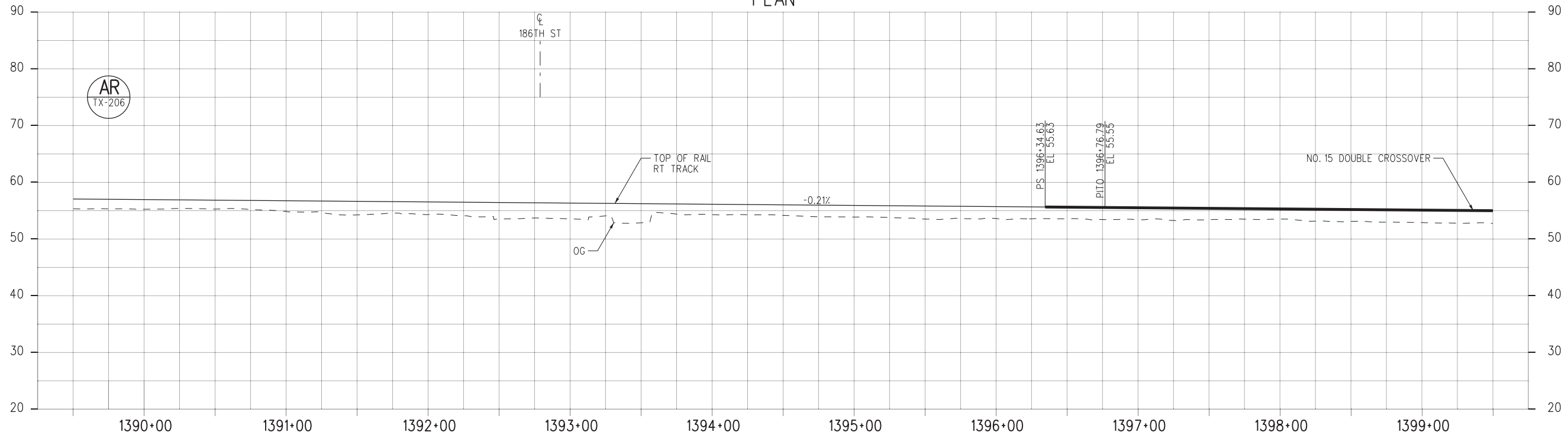
<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>	<p>444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470</p>	SUBMITTED _____ APPROVED _____
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WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE
 STA 1379+50 TO STA 1389+50

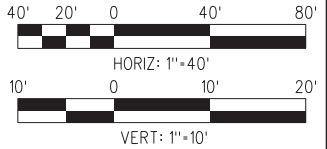
CONTRACT NO. AE5999300	REV
DRAWING NO. T-261	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 127 OF 154	



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT262.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
FINAL REVISED ACE SUBMITTAL						
DESCRIPTION						

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

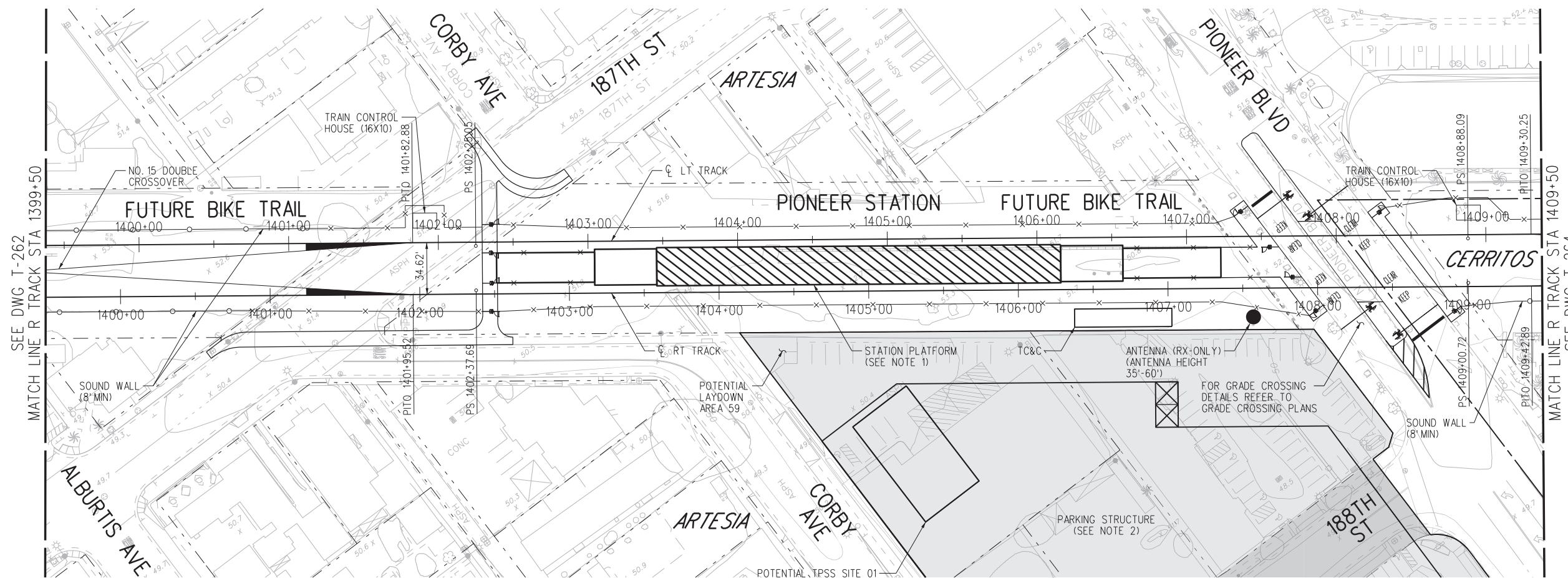
SUBMITTED	_____
APPROVED	_____

CONTRACT NO. AE5999300	
DRAWING NO. T-262	REV _____
SCALE: HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO. 128	OF 154

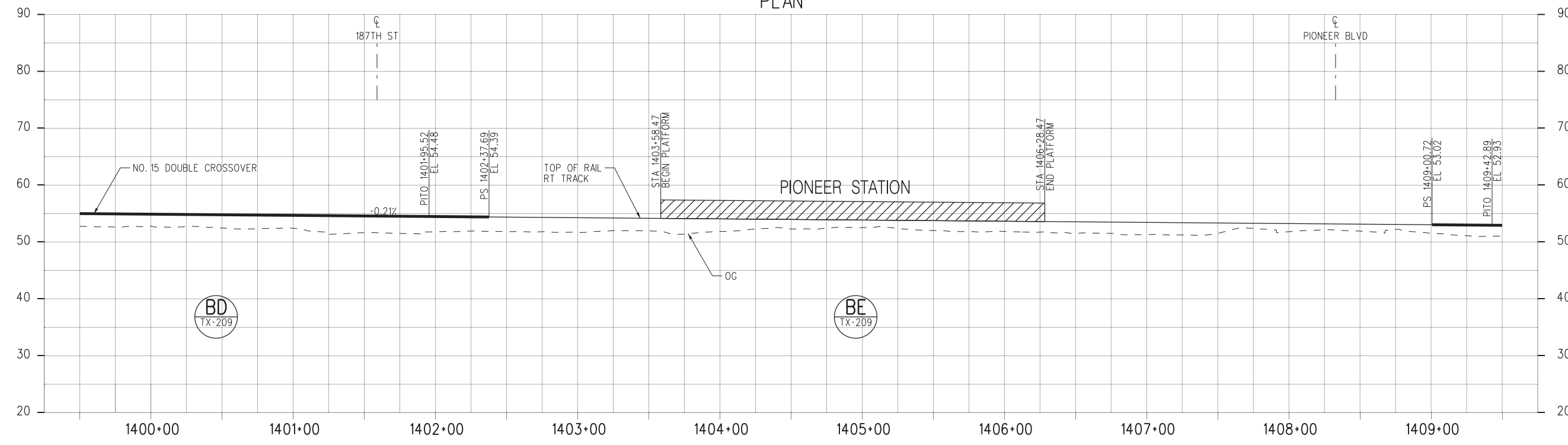


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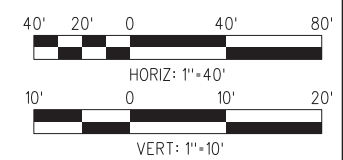
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2. SEE STATION PLANS FOR PARKING STRUCTURE DETAILS.



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT263.plg

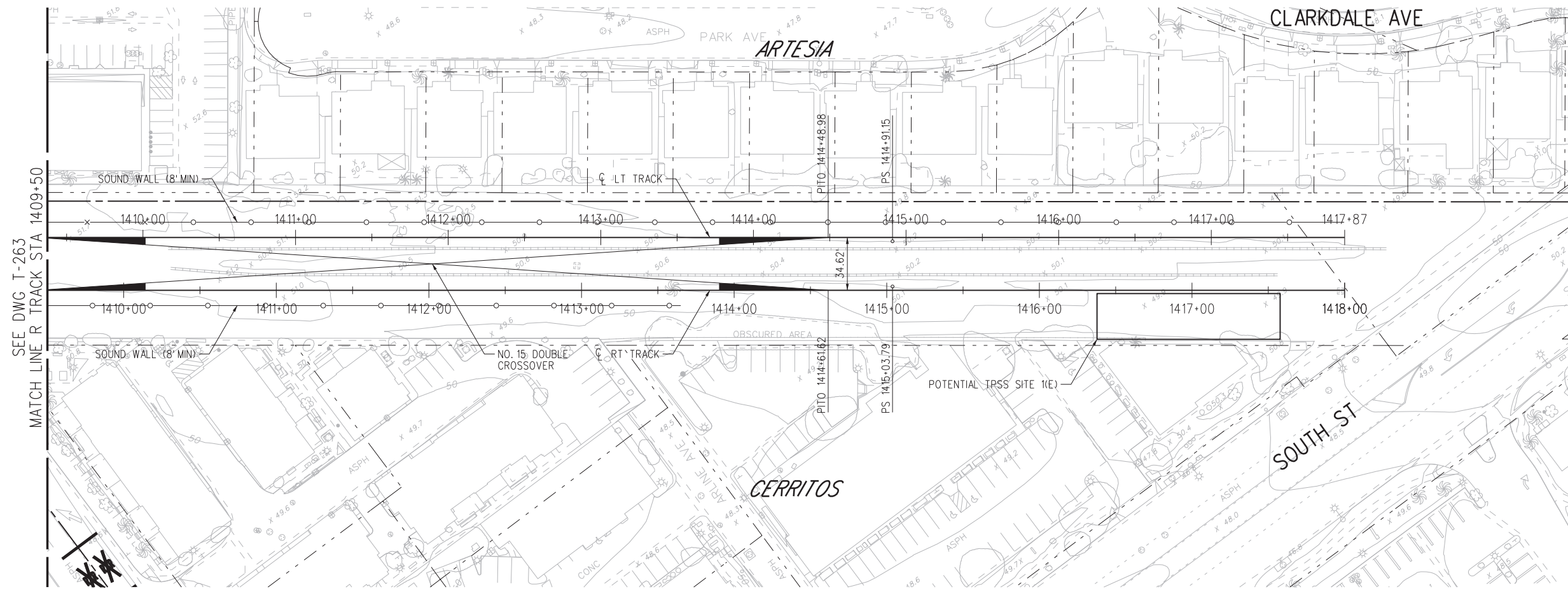
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FINAL REVISED ACE SUBMITTAL - 10/08/2020

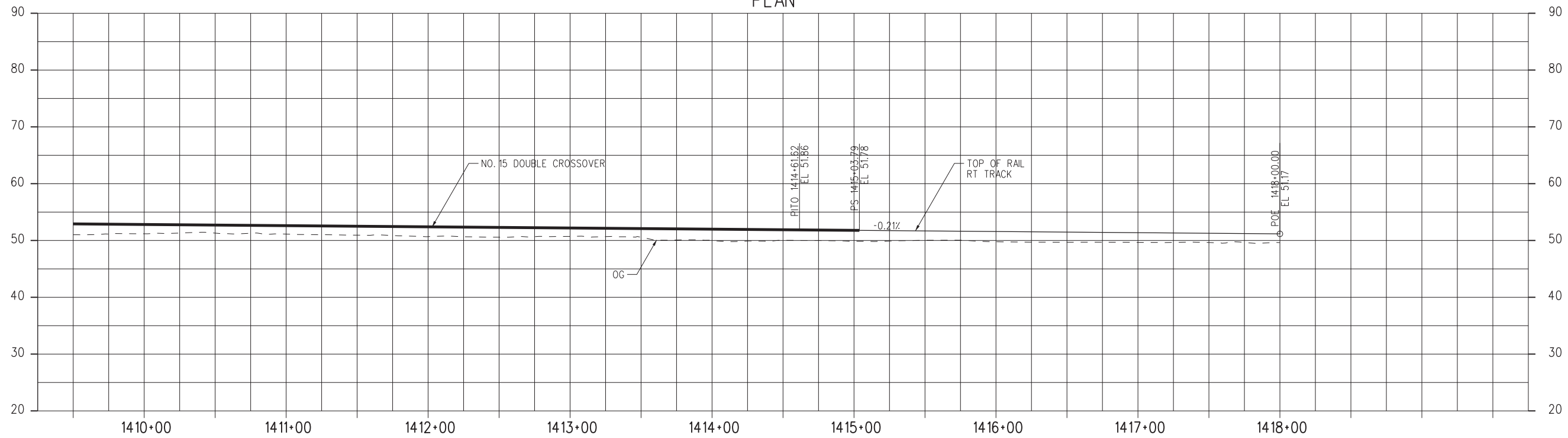
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	DRAWN BY RM
0	10/8/2020						FINAL REVISED ACE SUBMITTAL	CHECKED BY RL
								IN CHARGE NM
								DATE 10/8/2020

<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>	<p>444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470</p>	SUBMITTED _____ APPROVED _____
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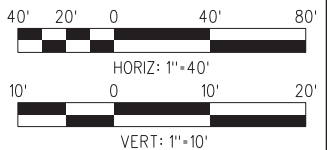
<p>WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE</p> <p>STA 1399+50 TO STA 1409+50</p>	CONTRACT NO. AE5999300
DRAWING NO. T-263	REV _____
SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO. 129 OF 154



PLAN



PROFILE



NOT FOR CONSTRUCTION

04-MAR-2021 B-28091AT264.plg

wsppw04-pw-svc 16:21

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB	<table border="1"> <tr> <td>REV</td> <td>DATE</td> <td>BY</td> <td>APP</td> <td>REG NO.</td> <td>EXPIRES</td> <td>SEAL HOLDER</td> <td>DESCRIPTION</td> </tr> <tr> <td>0</td> <td>10/8/2020</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>FINAL REVISED ACE SUBMITTAL</td> </tr> </table>	REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	0	10/8/2020						FINAL REVISED ACE SUBMITTAL
REV	DATE	BY		APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION											
0	10/8/2020							FINAL REVISED ACE SUBMITTAL											
		DRAWN BY RM																	
		CHECKED BY RL																	
		IN CHARGE NM																	
		DATE 10/8/2020																	



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



444 South Flower Street
Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

SUBMITTED _____

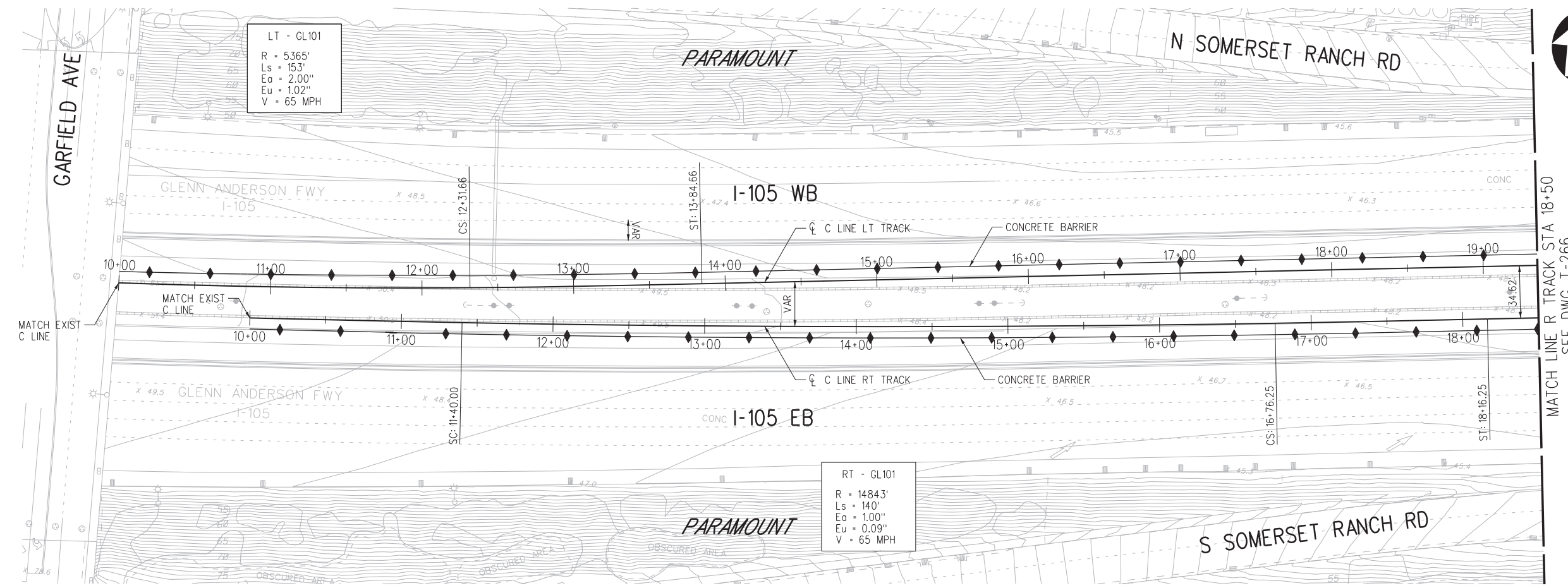
APPROVED _____

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT ALTERNATIVES 1, 2, 3, AND 4 PLAN & PROFILE STA 1409+50 TO STA 1418+00

CONTRACT NO AE5999300	
DRAWING NO T-264	REV
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO 130	OF 154



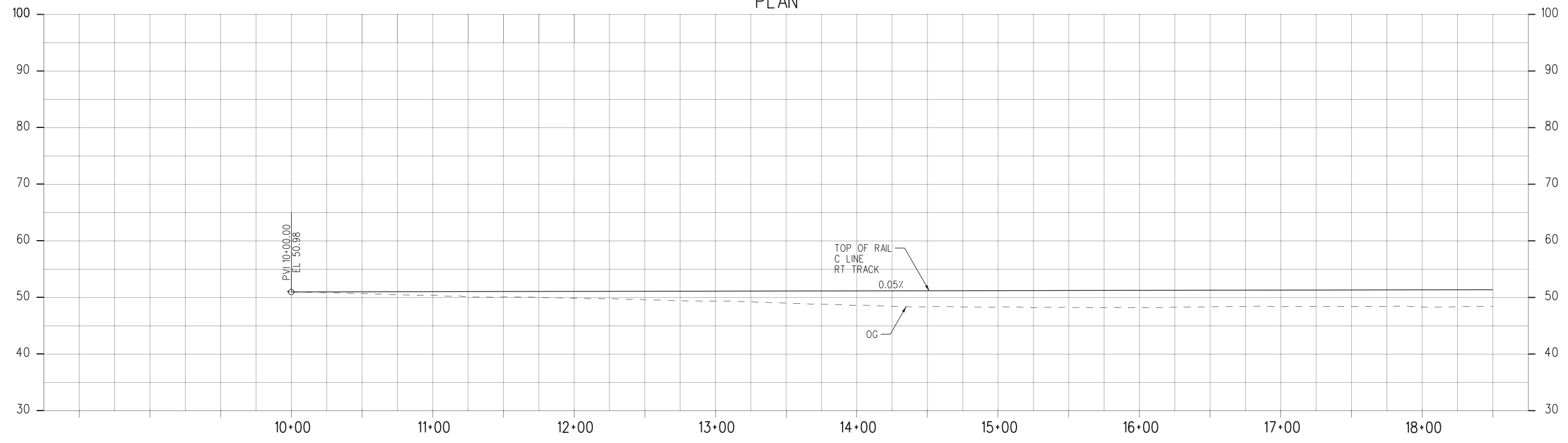
NOTES:
 1. DESIGN COORDINATION ONGOING WITH I-105 EXPRESS LANES PROJECT.



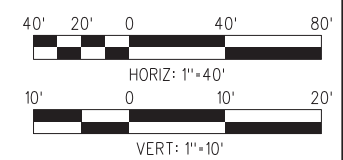
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 R = 14843'
 Ls = 140'
 Eo = 1.00"
 Eu = 0.09"
 V = 65 MPH

LT - GL101
 R = 5365'
 Ls = 153'
 Eo = 2.00"
 Eu = 1.02"
 V = 65 MPH

PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT265.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
						FINAL REVISED ACE SUBMITTAL
						DESCRIPTION

DESIGNED BY
CB
 DRAWN BY
RM
 CHECKED BY
RL
 IN CHARGE
NM
 DATE
10/8/2020

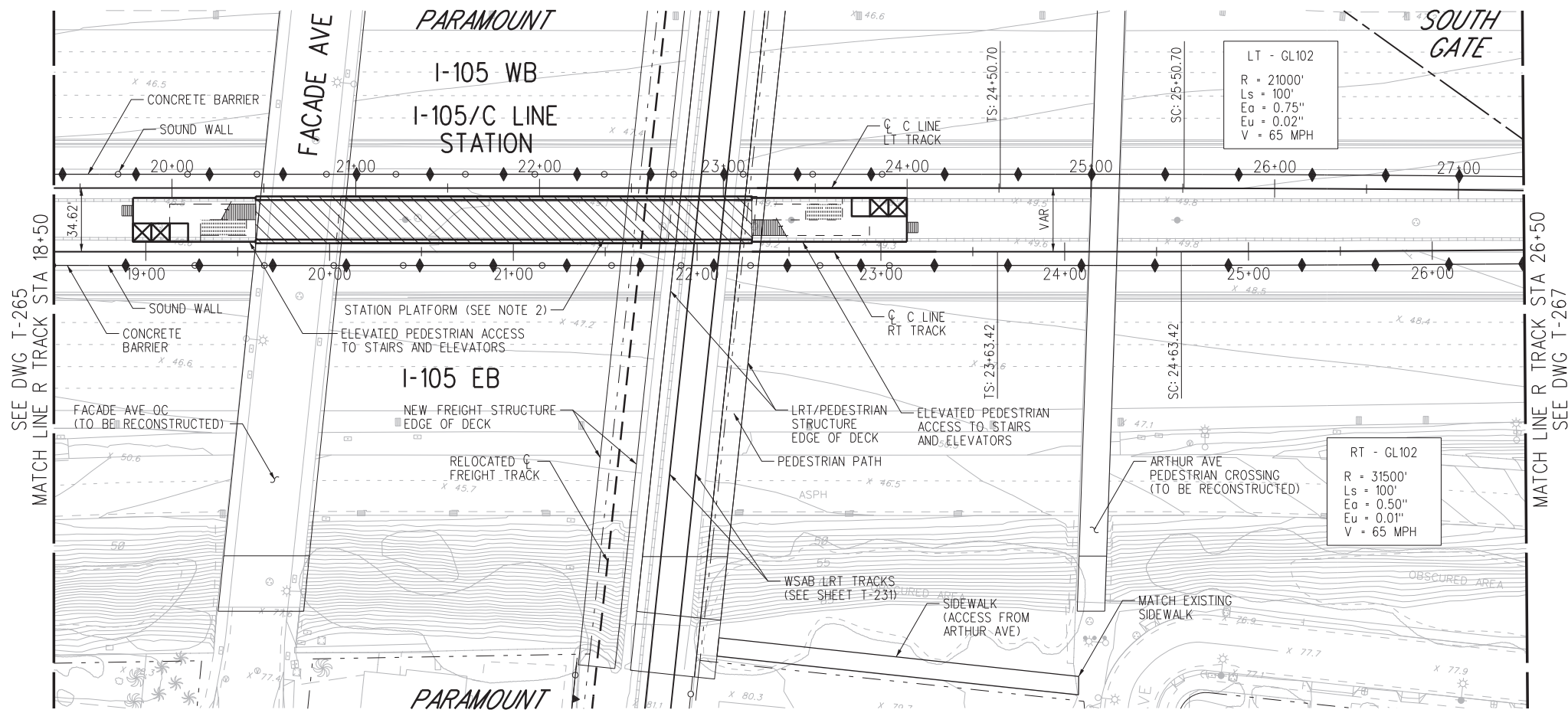
M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____
 APPROVED _____

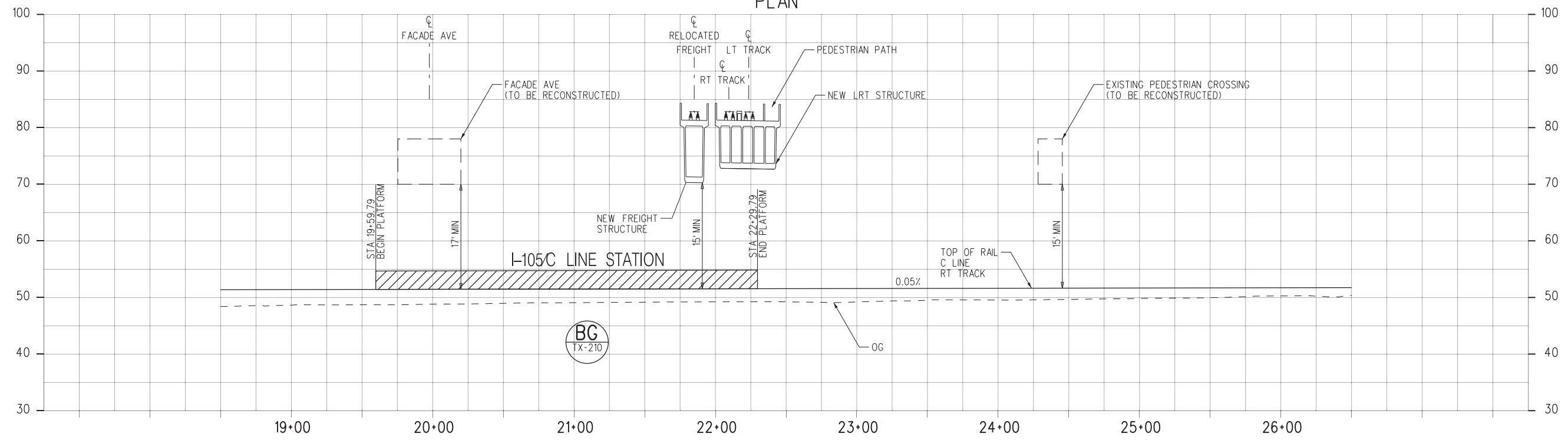
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT C LINE PLAN & PROFILE STA 10+00 TO STA 18+50

CONTRACT NO
AE5999300
 DRAWING NO
T-265
 SCALE
HORIZ: 1"=40'
VERT: 1"=10'
 SHEET NO
131 OF 154

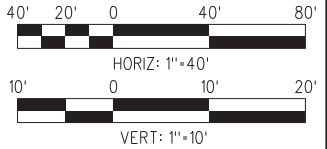


- NOTES:**
- DESIGN COORDINATION ONGOING WITH I-105 EXPRESS LANES PROJECT.
 - FOR STATION LAYOUT SEE STATION SITE PLANS, SHEET A13-001.

PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT266.plg
wsppw04-pw-svc 20:51

FINAL REVISED ACE SUBMITTAL - 10/08/2020

DESIGNED BY CB	IN CHARGE NM
DRAWN BY RM	DATE 10/8/2020
CHECKED BY RL	

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

 Metro 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470	SUBMITTED _____ APPROVED _____
---	-----------------------------------

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT
C LINE
PLAN & PROFILE
STA 18+50 TO STA 26+50

CONTRACT NO
AE5999300

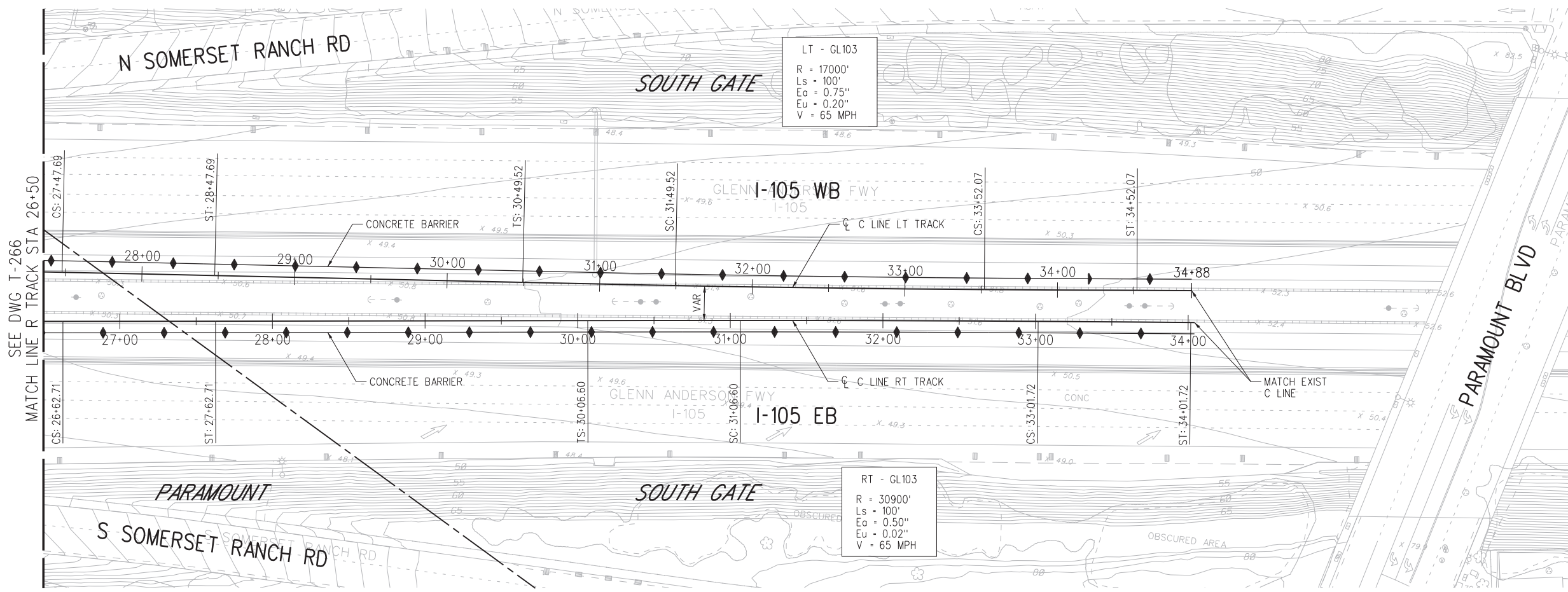
DRAWING NO
T-266

SCALE
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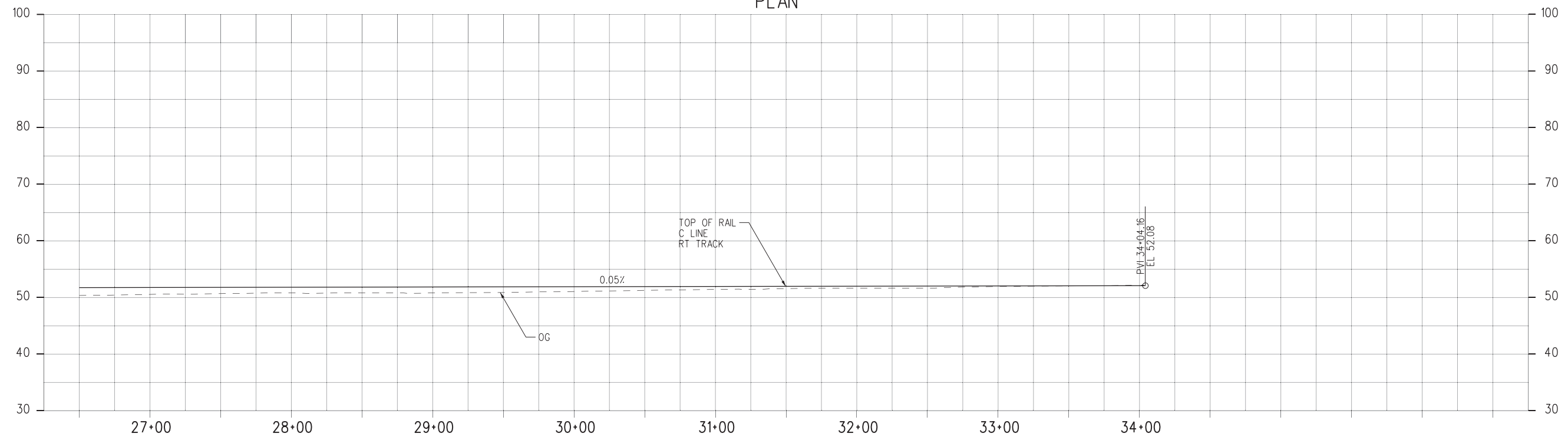
SHEET NO
132 OF 154



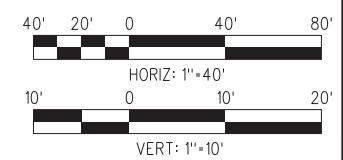
NOTES:
 1. DESIGN COORDINATION ONGOING WITH I-105 EXPRESS LANES PROJECT.



PLAN



PROFILE



NOT FOR CONSTRUCTION

10-MAY-2021 B-28091AT267.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

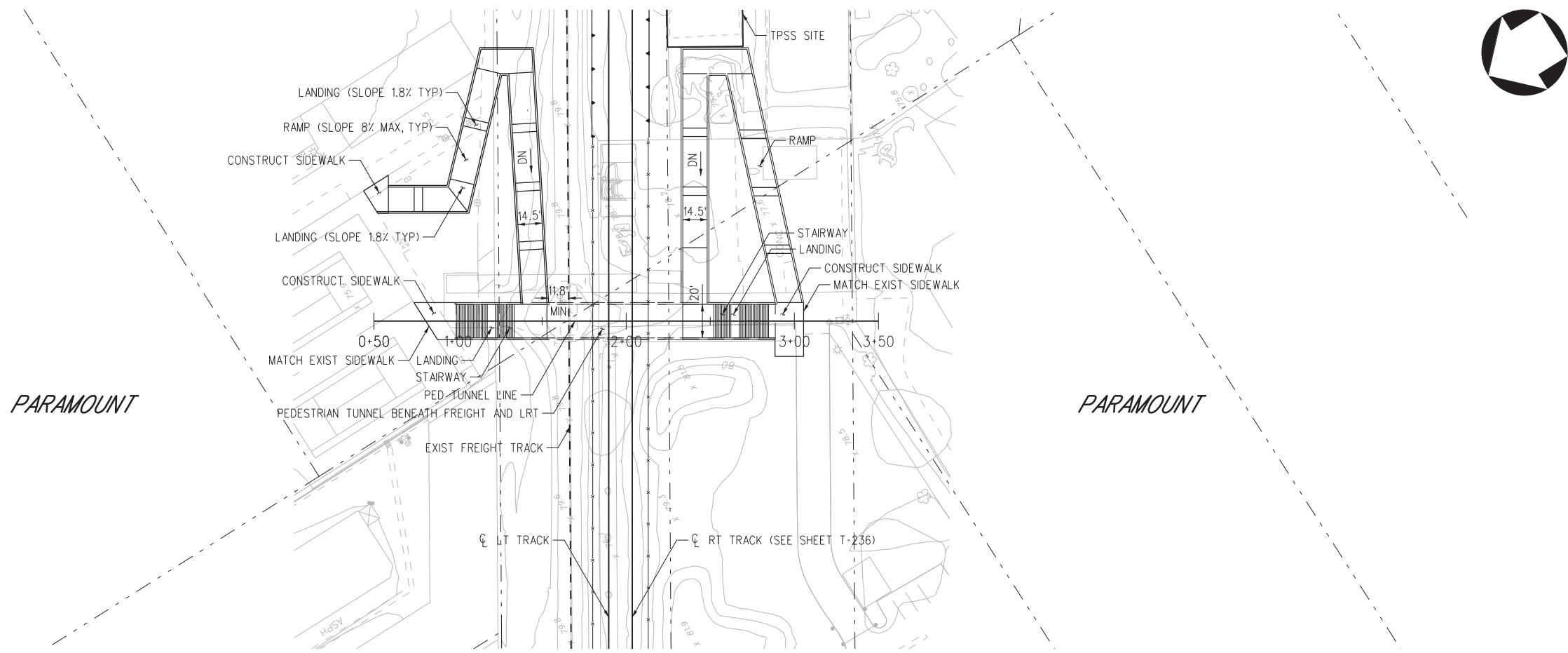
wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED	_____
APPROVED	_____

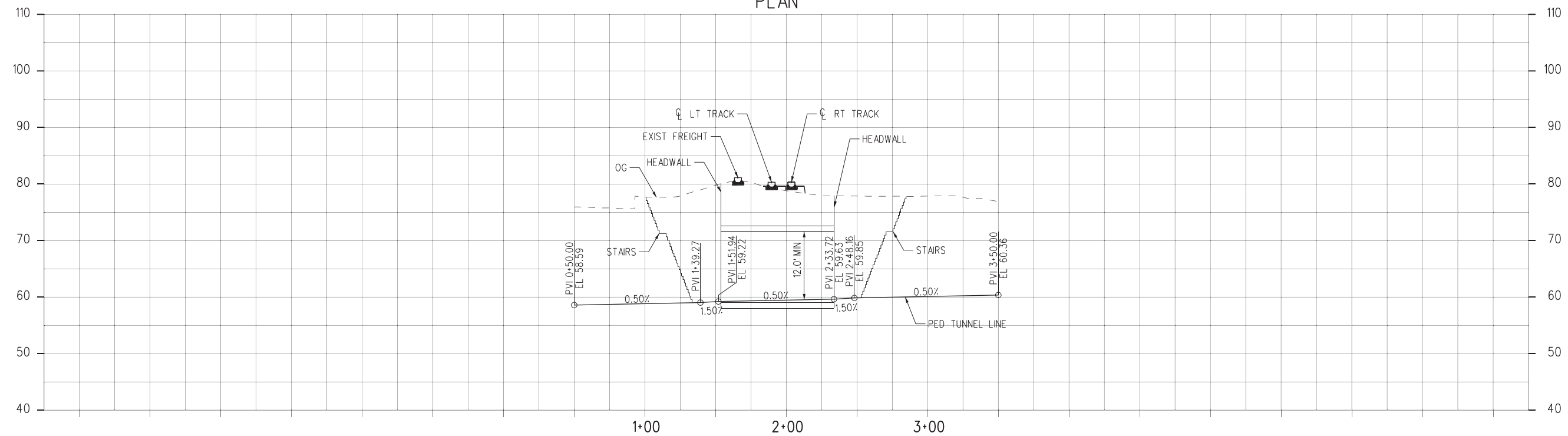
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT	
C LINE	
PLAN & PROFILE	
STA 26+50 TO STA 34+04	
CONTRACT NO. AE5999300	REV
DRAWING NO. T-267	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 133	OF 154

10-MAY-2021 B-28091AT268.plg

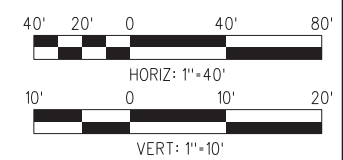
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PLAN



PROFILE



NOT FOR CONSTRUCTION

FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

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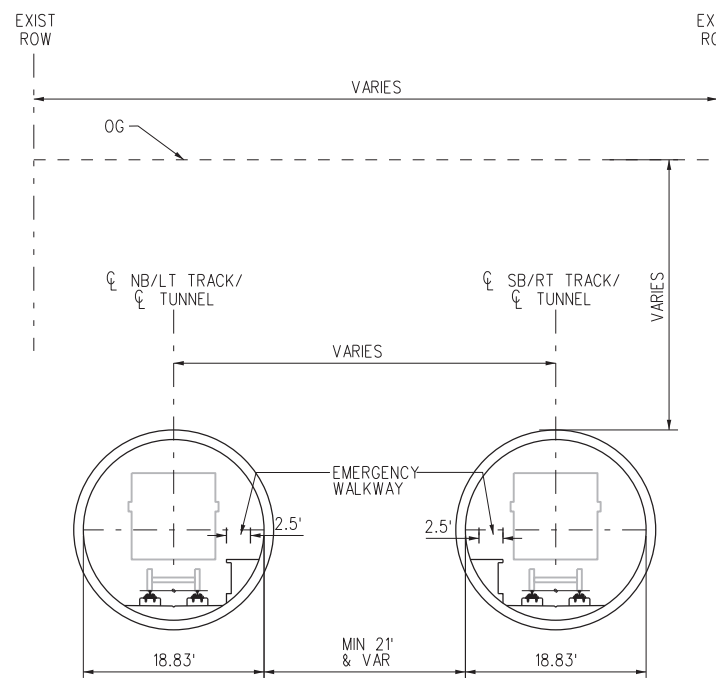
**WEST SANTA ANA BRANCH LRT
 PEDESTRIAN TUNNEL
 PARAMOUNT
 PLAN & PROFILE
 STA 0+50 TO STA 3+50**

CONTRACT NO
AE5999300

DRAWING NO
T-268

SCALE
HORIZ: 1"=40'
VERT: 1"=10'

SHEET NO
134 OF 154

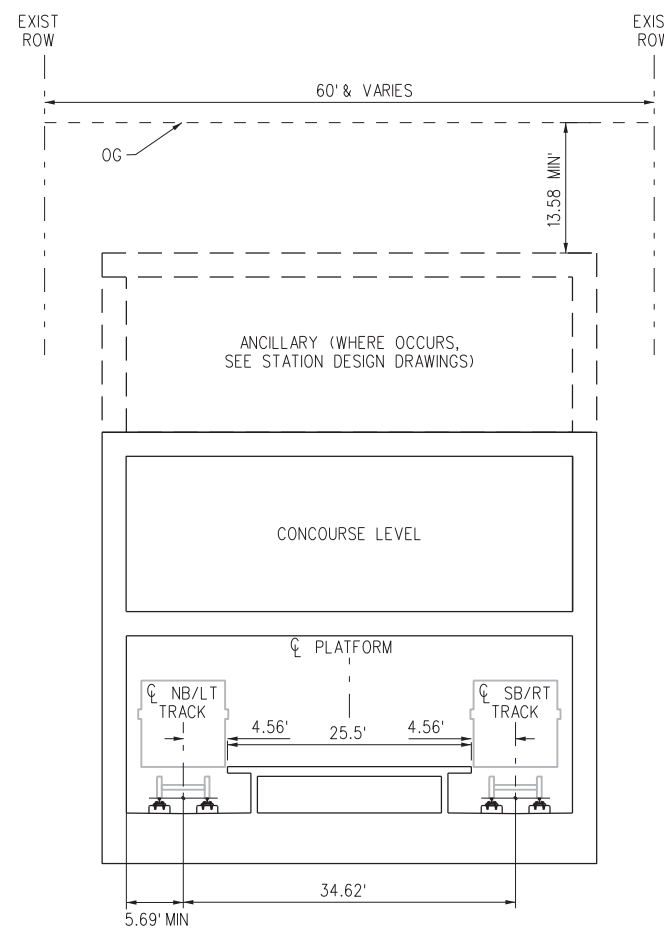


ALT 1 TYPICAL TUNNEL

SCALE: NTS

A

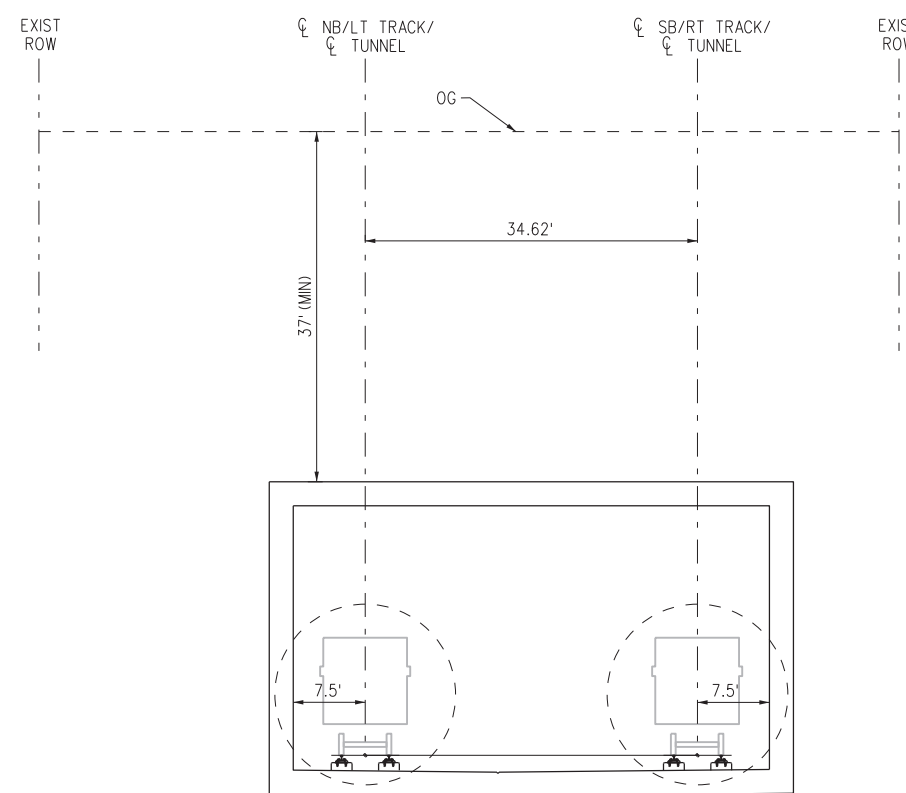
T-1B-101 T-1B-102, T-1B-103, T-1B-104
 T-1B-105, T-1A-101, T-1A-102
 T-1A-103, T-1A-104, T-1A-105
 T-1A-106, T-1A-107, T-1A-108
 T-1A-109, T-1A-110, T-1A-111
 T-112, T-113



**ALTERNATIVE 1
 FORECOURT, MWD, LITTLE TOKYO
 AND ARTS/INDUSTRIAL DISTRICT STATIONS**

C

T-1B-102 T-1B-105, T-1A-102,
 T-1A-105, T-1A-109

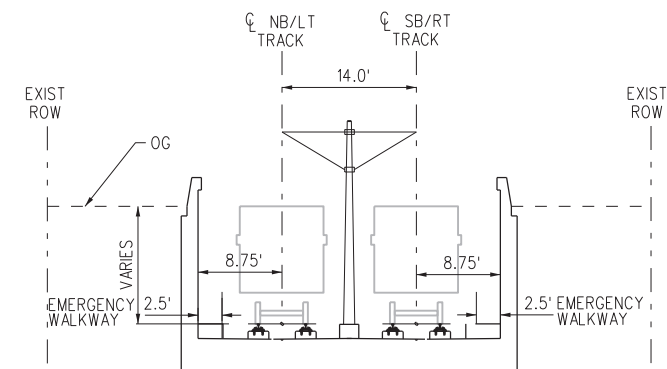


**ALTERNATIVE 1
 TYPICAL AT DOUBLE CROSSOVER LOCATION**

SCALE: NTS

B

T-1B-101 T-1B-103, T-1A-101, T-1A-102
 T-1A-103, T-1A-110



TYPICAL TUNNEL PORTAL RETAINED FILL

SCALE: NTS

D

T-113

FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
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CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



**LOS ANGELES COUNTY
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 APPROVED _____

**WEST SANTA ANA BRANCH LRT
 TYPICAL SECTIONS
 ALTERNATIVE 1 AND 2**

CONTRACT NO. AE5999300
DRAWING NO. TX-101
SCALE NO SCALE
SHEET NO. 135 OF 154

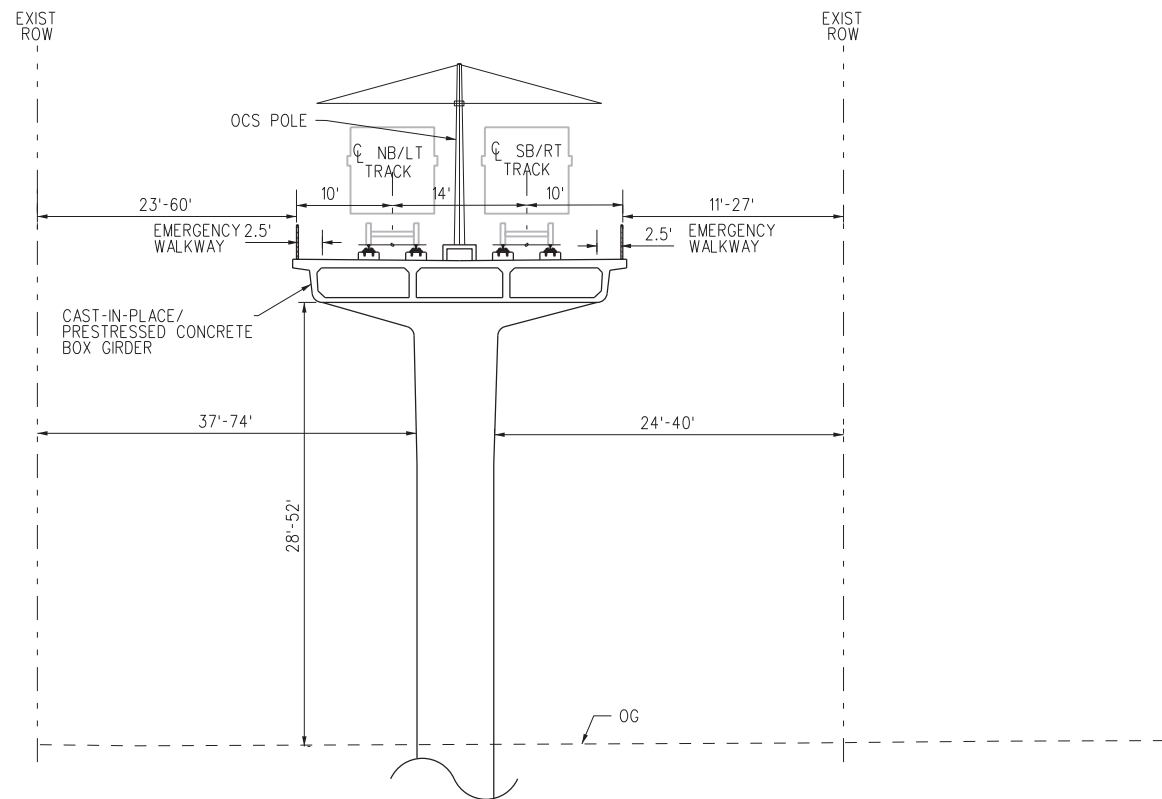
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wsppw04-pw-svc 20:46

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Pentable=bw.plt

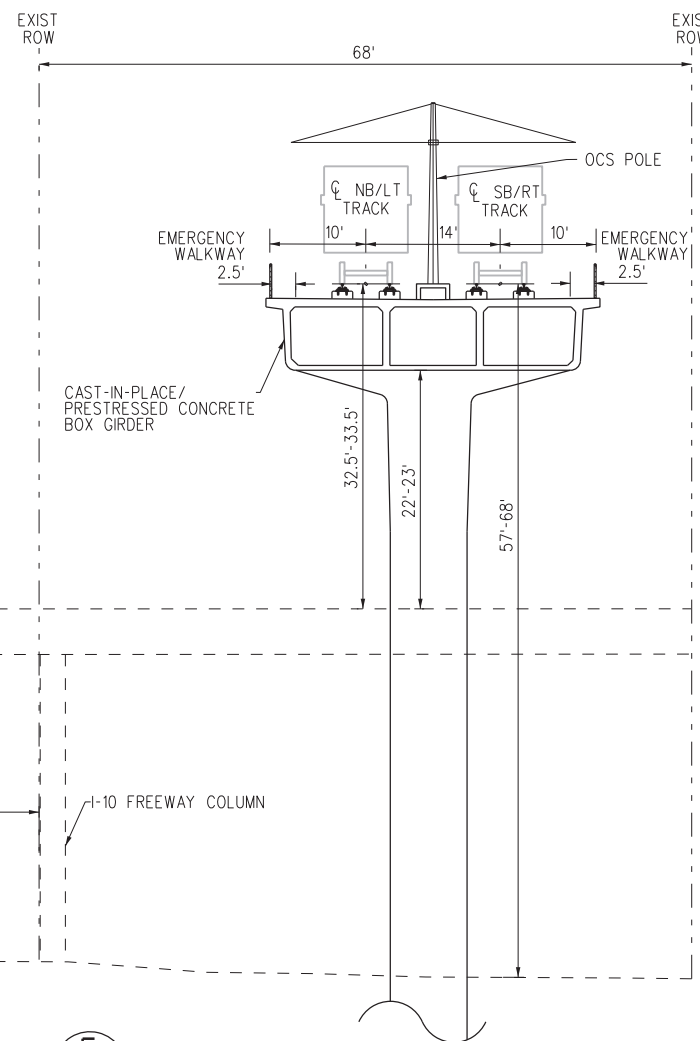
NOT FOR CONSTRUCTION



TYPICAL VIADUCT NEAR I-10 FREEWAY

SCALE: NTS

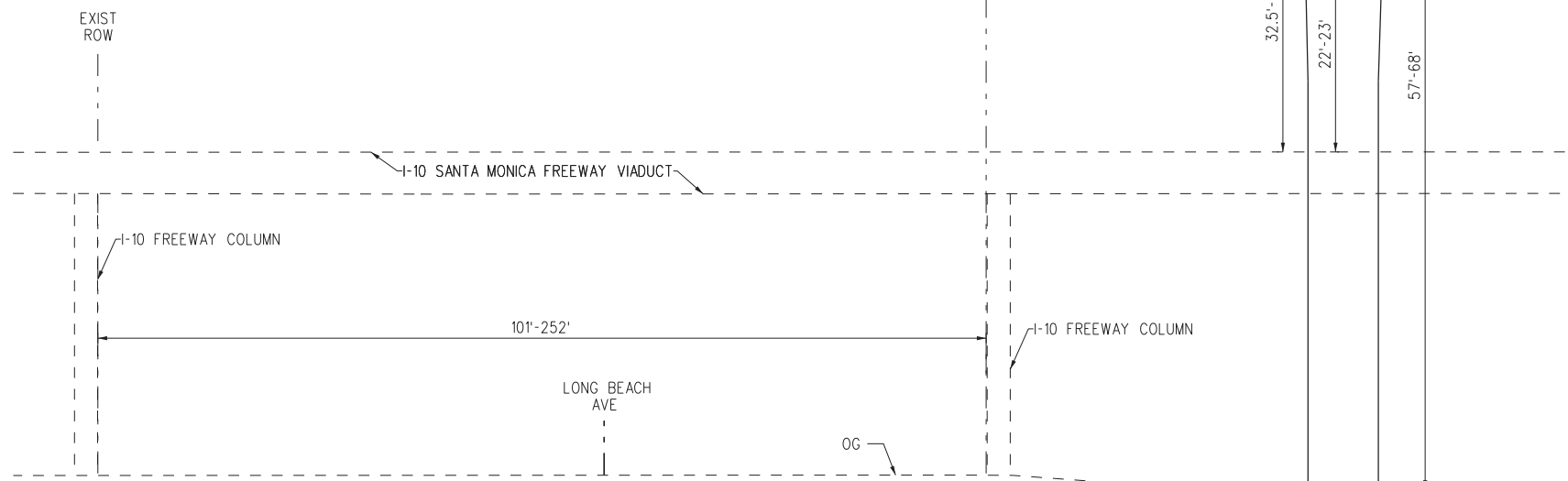
E
T-114 T-115, T-116



TYPICAL VIADUCT AT I-10 FREEWAY

SCALE: NTS

F
T-114



10-MAY-2021 B-28091ATX102.plg

wspdw04-pw-svc 20:46

FINAL REVISED ACE SUBMITTAL - 10/08/2020

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REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY	AM
DRAWN BY	MF
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020



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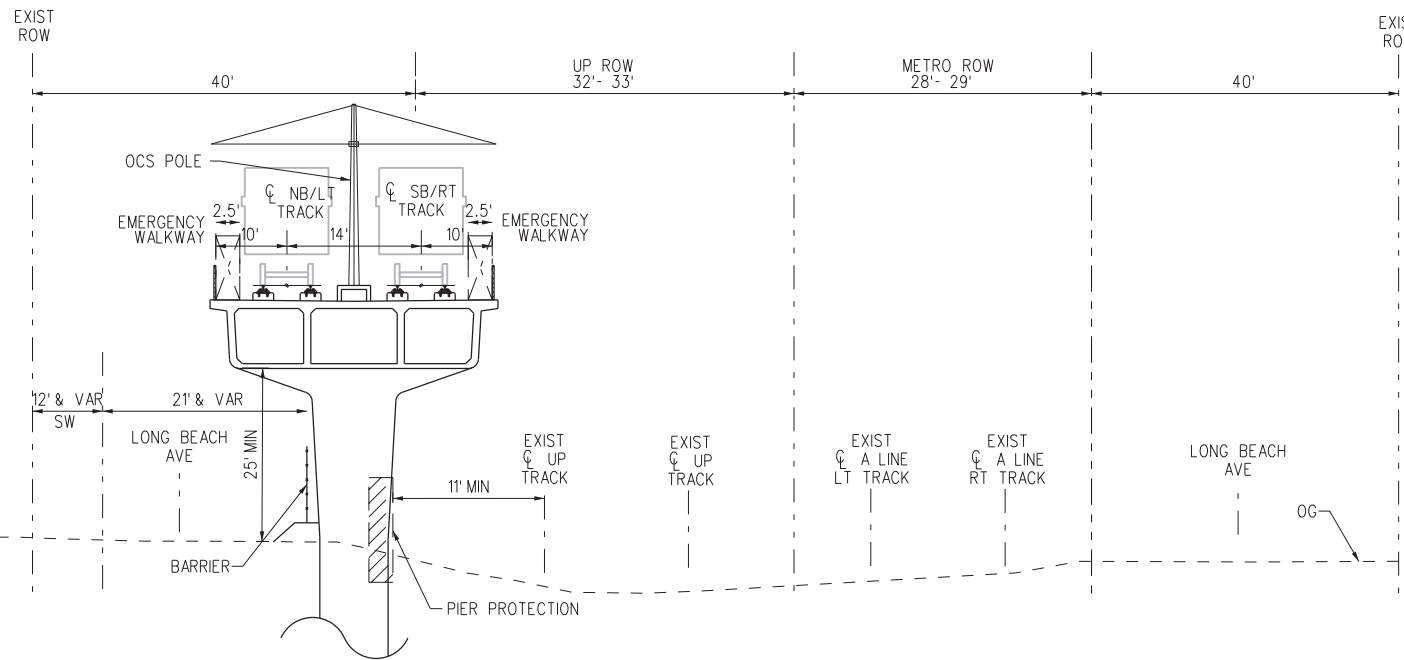
SUBMITTED _____
APPROVED _____

NOT FOR CONSTRUCTION

WEST SANTA ANA BRANCH LRT
TYPICAL SECTIONS
ALTERNATIVE 1 AND 2

CONTRACT NO.	AE5999300
DRAWING NO.	TX-102
SCALE	NO SCALE
SHEET NO.	136 OF 154

10-MAY-2021 10:46 B-28091ATX103.plg

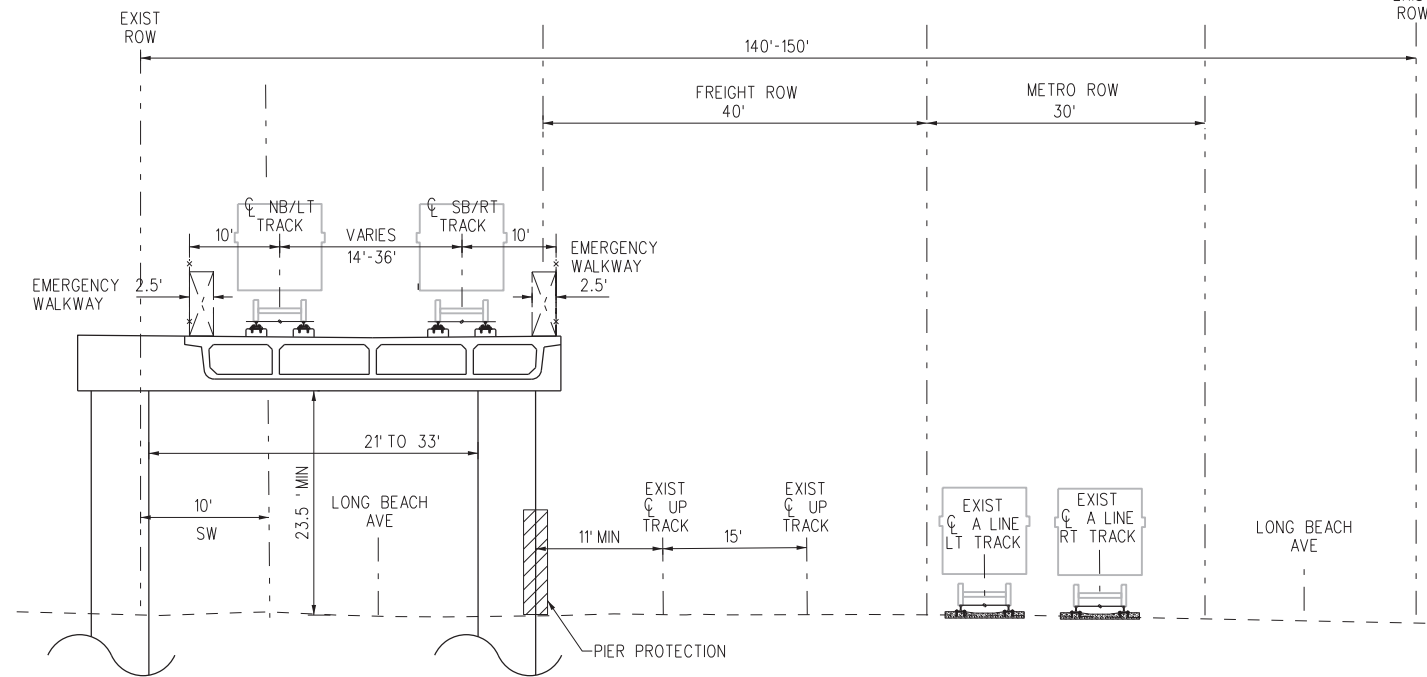


TYPICAL AERIAL SECTION AT LONG BEACH AVE

SCALE: NTS

I
T-117

T-118, T-119,
T-120, T-121,
T-122, T-123,
T-124, T-126

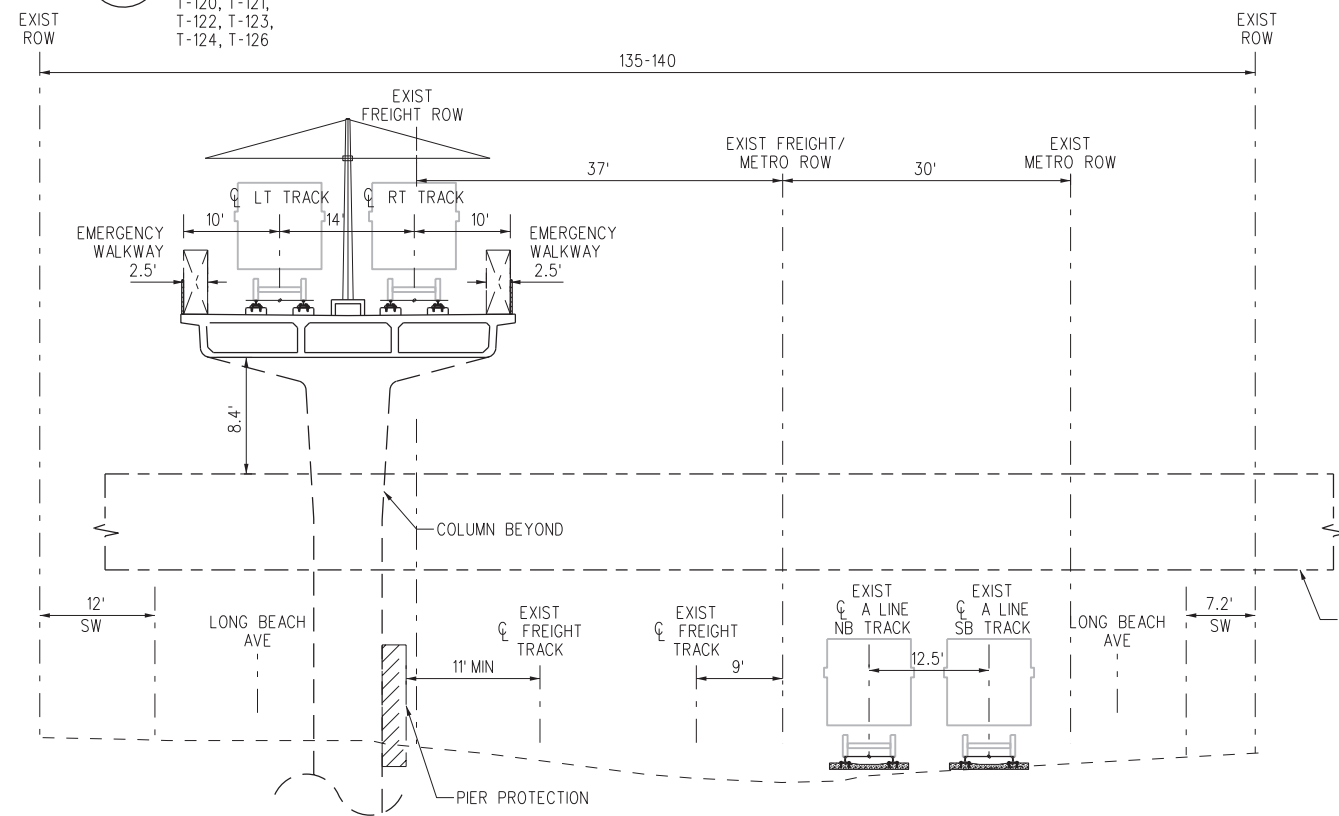


CROSS SECTION N OF SLAUSON/A LINE STATION

SCALE: NTS

G
T-118

T-126, T-126B,
T-127, T-127A,
T-127B



WSAB ALTERNATIVES 1 & 2

SCALE: NTS

J
T-125

FINAL REVISED ACE SUBMITTAL - 10/08/2020

DESIGNED BY	AM
DRAWN BY	MF
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020
REV	0
DATE	10/8/2020
BY	
APP	
REG NO.	
EXPIRES	
SEAL HOLDER	
DESCRIPTION	FINAL REVISED ACE SUBMITTAL

DESIGNED BY	AM
DRAWN BY	MF
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

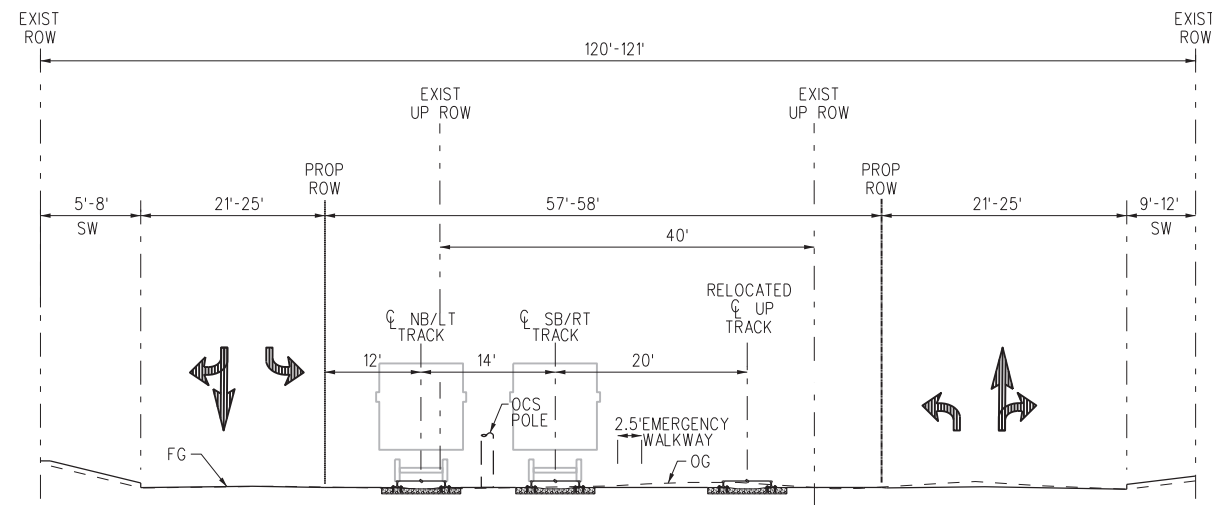
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WEST SANTA ANA BRANCH LRT
TYPICAL SECTIONS
ALTERNATIVE 1, 2 AND 3

CONTRACT NO. AE5999300
 DRAWING NO. TX-103
 SCALE NO SCALE
 SHEET NO. 137 OF 154

NOT FOR CONSTRUCTION

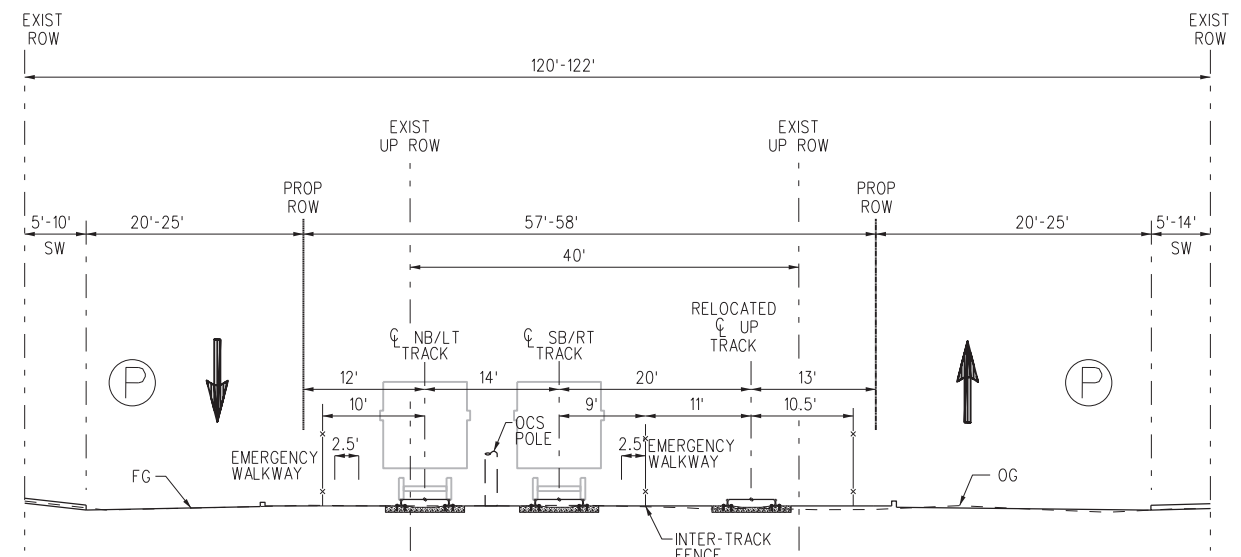


TYPICAL RANDOLPH ST. GRADE CROSSING

SCALE: NTS

K

T-131 T-132 T-135 T-138
T-133 T-136
T-134 T-137

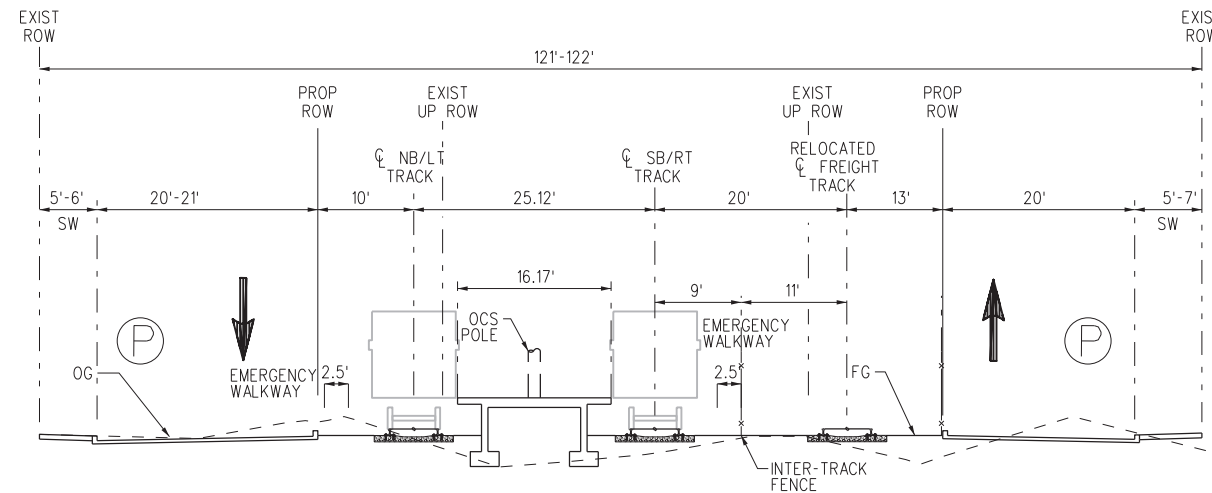


TYPICAL RANDOLPH ST. MID-BLOCK

SCALE: NTS

L

T-131 T-132 T-135
T-133 T-136
T-134 T-137



PACIFIC/RANDOLPH STATION

SCALE: NTS

N

T-134

10-MAY-2021 10:45 B-28091ATX104.plt

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					
FINAL REVISED ACE SUBMITTAL						
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY AM
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CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

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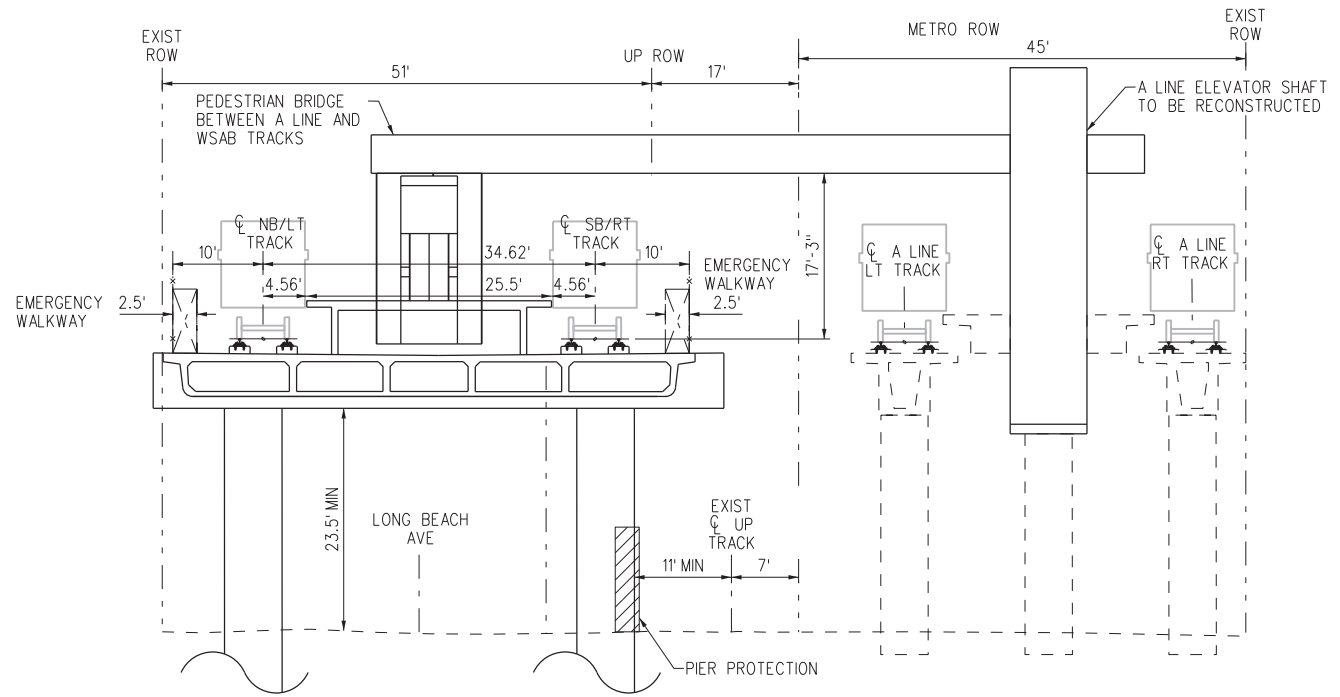
WEST SANTA ANA BRANCH LRT
TYPICAL SECTIONS
ALTERNATIVE 1, 2 AND 3

CONTRACT NO. AE5999300

DRAWING NO. TX-104

SCALE: NO SCALE

SHEET NO. 138 OF 154

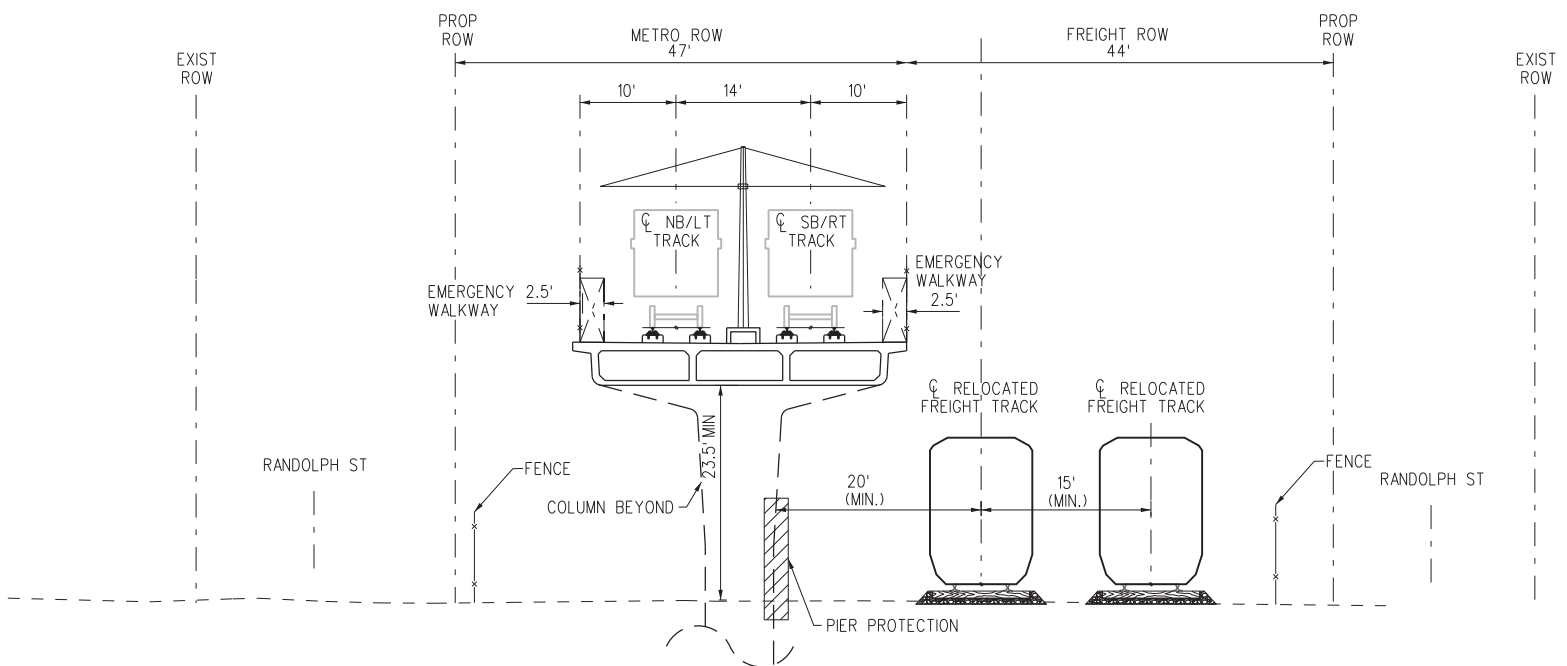


CROSS SECTION AT SLAUSON/A LINE STATION PLATFORM

SCALE: NTS



T-127, T-127A, T-127B



TYPICAL AERIAL SECTION AT RANDOLPH ST EAST OF HOLMES AVE

SCALE: NTS



T-129

10-MAY-2021 B-28091ATX106.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
0	10/8/2020					FINAL REVISED ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

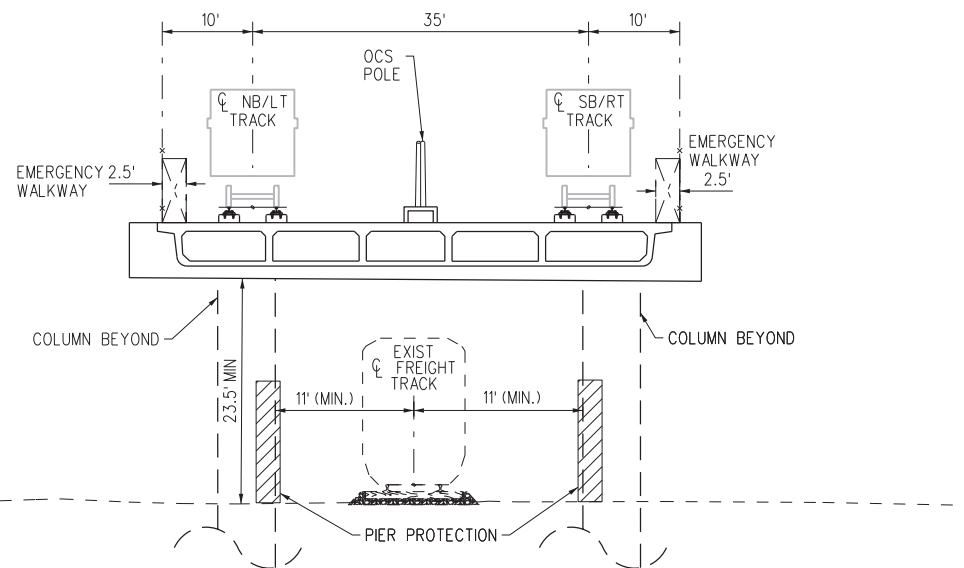
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APPROVED	_____

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WEST SANTA ANA BRANCH LRT TYPICAL SECTIONS ALTERNATIVES 1, 2, AND 3

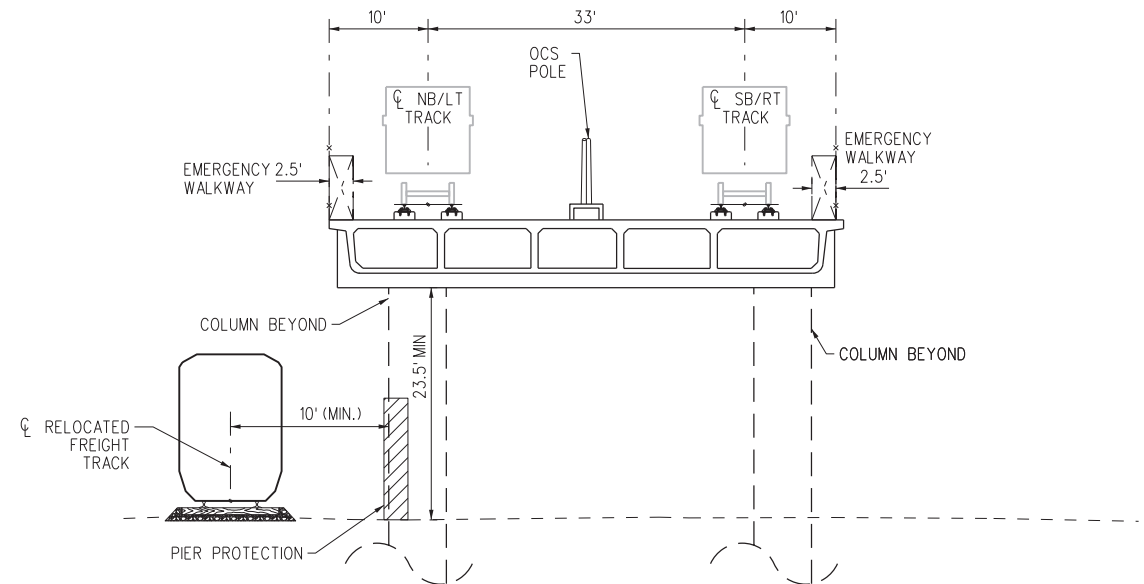
CONTRACT NO AE5999300	
DRAWING NO TX-106	REV
SCALE NO SCALE	
SHEET NO 140	OF 154



CONFIGURATION SOUTH OF SLAUSON STREET

SCALE: NTS

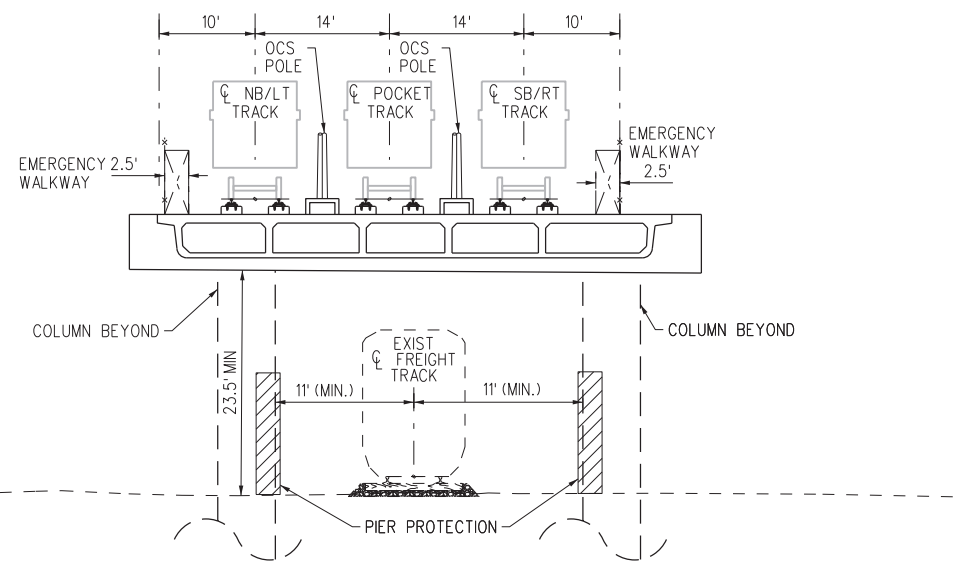
S
T-128



AERIAL STRUCTURE WITH NO POCKET TRACK

SCALE: NTS

T
T-128



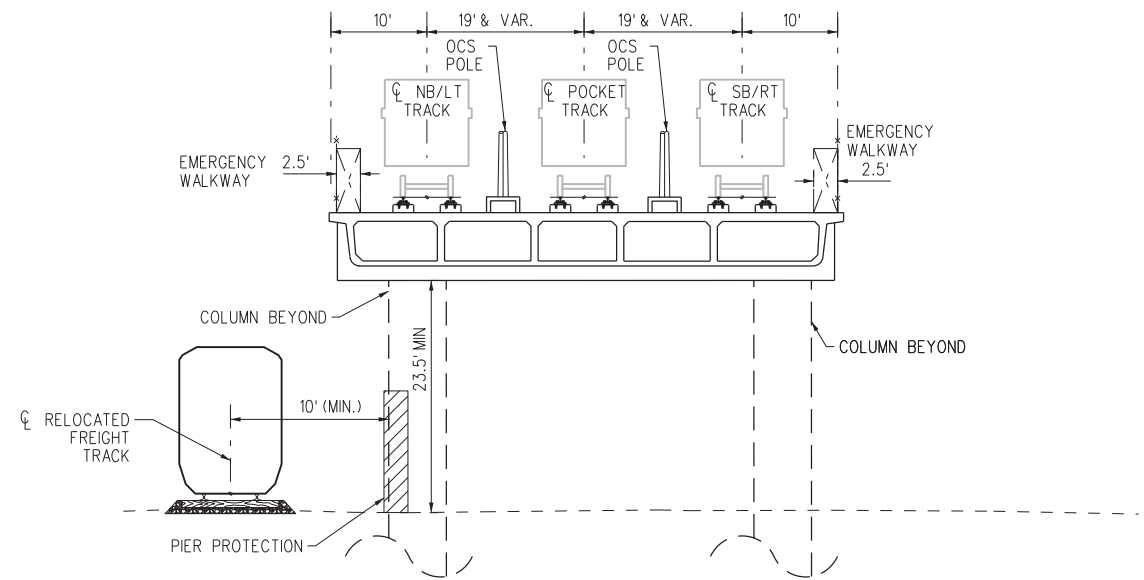
CONFIGURATION SOUTH OF SLAUSON STREET

SCALE: NTS

R
T-128A

T-128B

- NOTES:
1. POCKET TRACK APPLICABLE TO ALTERNATIVE 2 AND 3 ONLY
 2. PROVISION FOR OPERATOR WALKWAY ALONG POCKET TRACK TO BE PROVIDED IN FUTURE DESIGN PHASE



AERIAL STRUCTURE WITH WSAB POCKET TRACK

SCALE: NTS

H
T-128A

T-128B

- NOTE:
1. POCKET TRACK APPLICABLE TO ALTERNATIVE 2 AND 3 ONLY
 2. PROVISION FOR OPERATOR WALKWAY ALONG POCKET TRACK TO BE PROVIDED IN FUTURE DESIGN PHASE
 3. NB A LINE NOT SHOWN AND ABOVE WSAB VIADUCT

10-MAY-2021 10:45 B-28091ATX107.plg

wspdw04-dw-svc 20:45

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION
0	10/8/2020					FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



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SUBMITTED _____

APPROVED _____

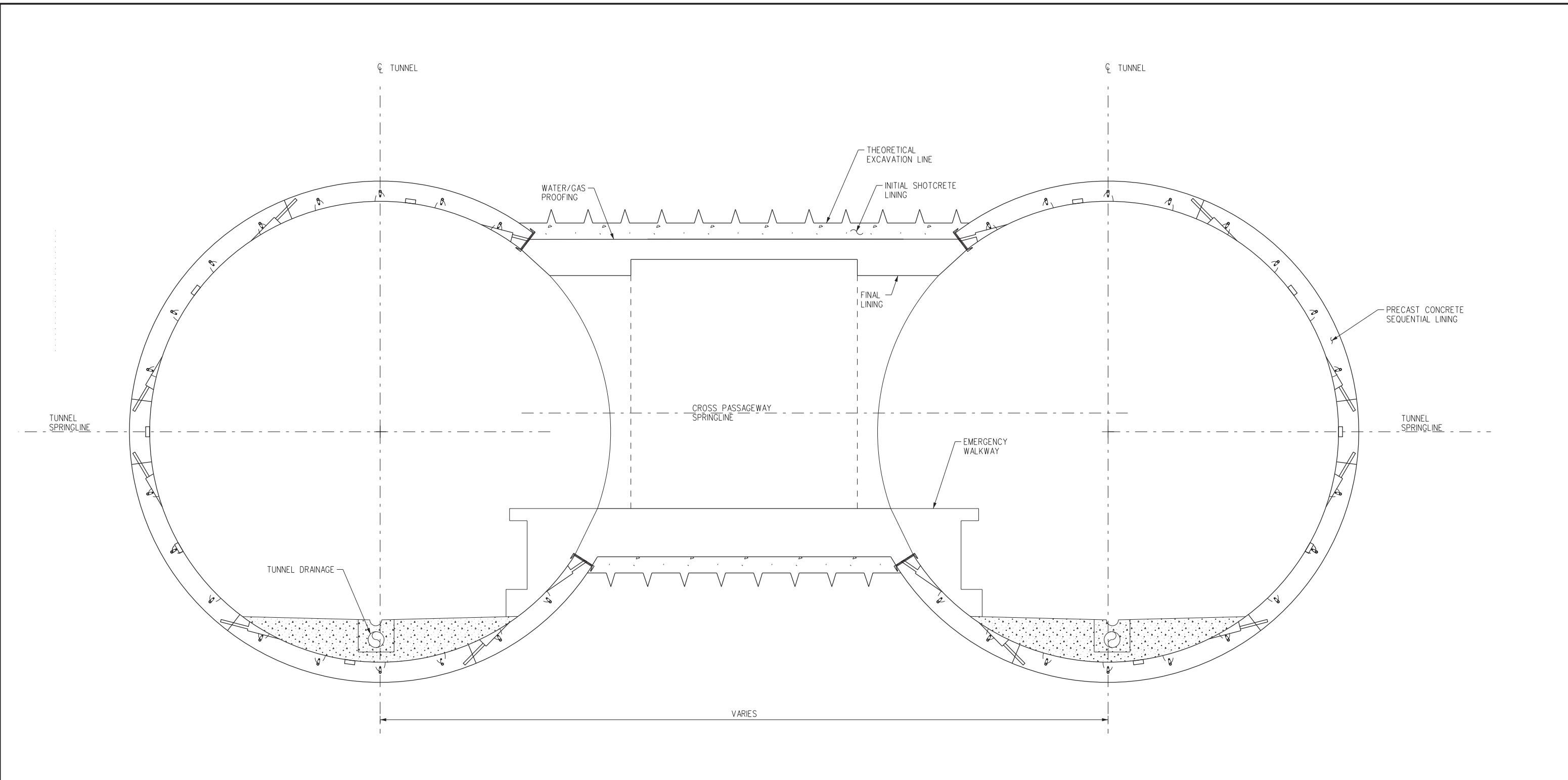
NOT FOR CONSTRUCTION

WEST SANTA ANA BRANCH LRT
TYPICAL SECTIONS
ALTERNATIVE 3

CONTRACT NO. AE5999300	
DRAWING NO. TX-107	REV
SCALE NO SCALE	
SHEET NO. 141 OF 154	

10-MAY-2021 10:45 B-28091ATX108.plt

wsppw04-pw-svc 20:45



SECTION P

FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

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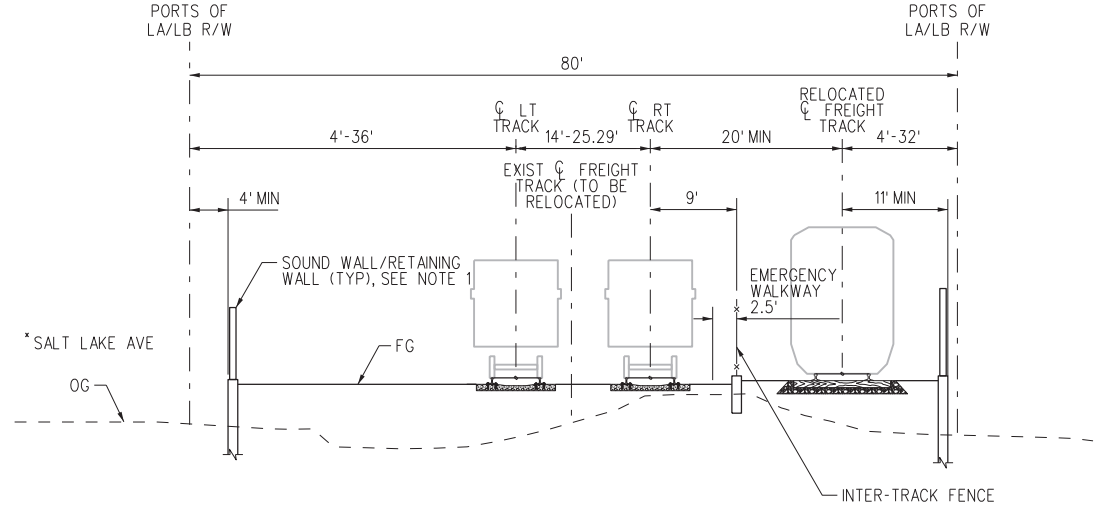
NOT FOR CONSTRUCTION

WEST SANTA ANA BRANCH LRT
TYPICAL SECTIONS
ALTERNATIVES 1, 2, AND 3

CONTRACT NO AE5999300	
DRAWING NO TX-108	REV
SCALE NO SCALE	
SHEET NO 142 OF 154	

NOTES:

1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.
2. ADDITIONAL EVACUATION/EMERGENCY WALKWAY DETAILS TO BE PROVIDED IN FINAL DESIGN AND ADHERE TO METRO RAIL DESIGN CRITERIA (MRDC).
3. FOR CURB RECONSTRUCTION LIMITS, SEE PLAN AND PROFILE SHEETS.

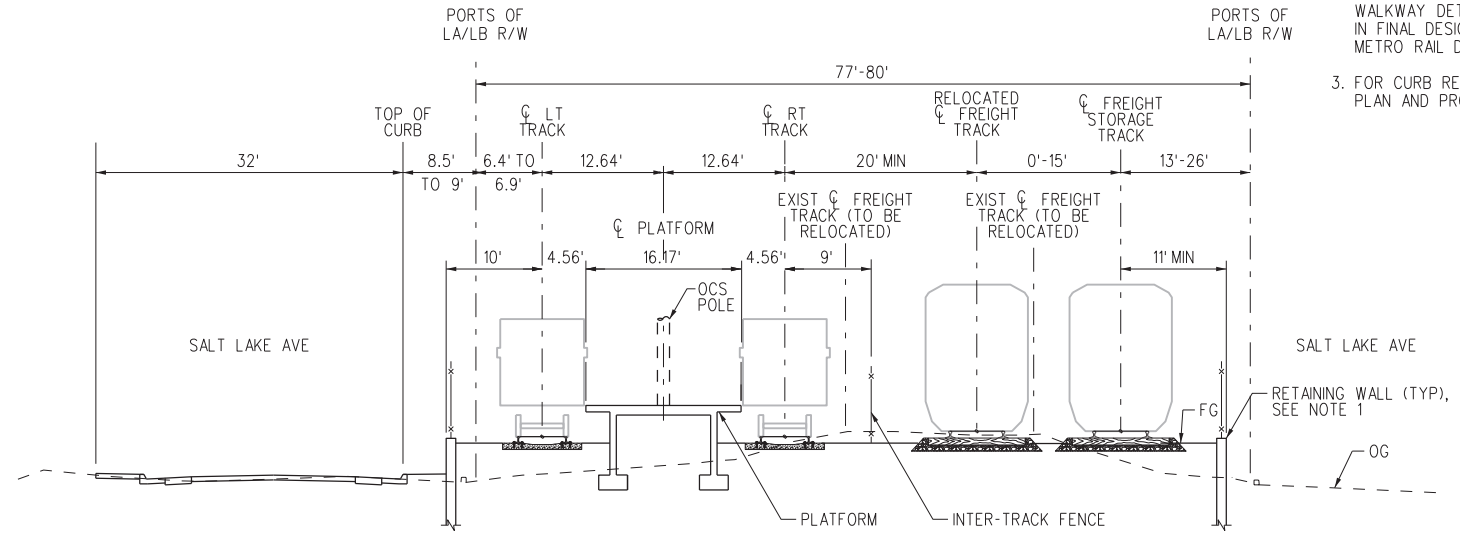


TYPICAL WITH FREIGHT TRACK

SCALE: NTS

AA
T-201

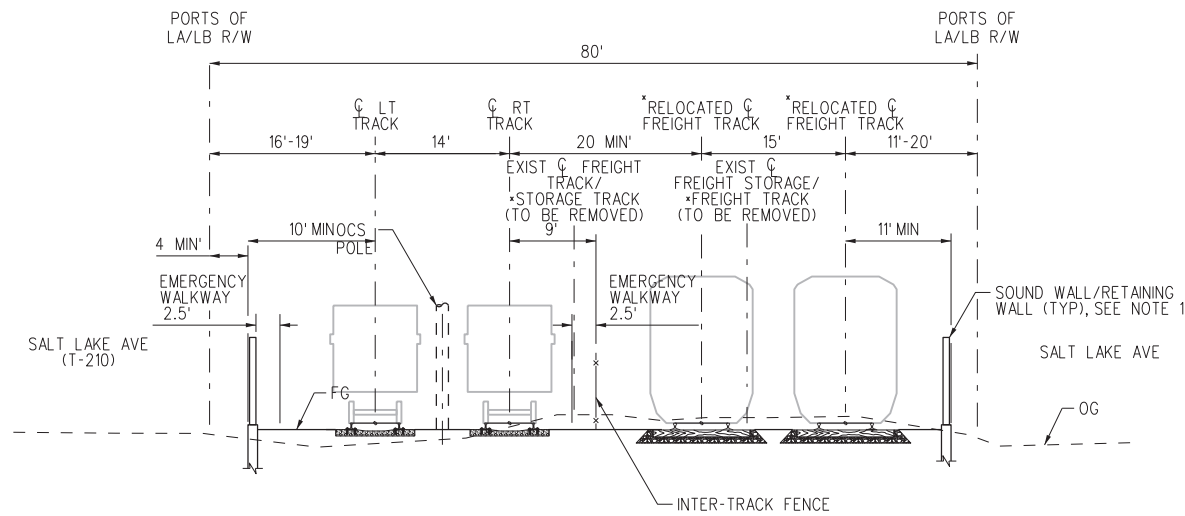
T-202 TO T-204
T-208 TO T-212
T-216 TO T-218
T-225 TO T-230



FLORENCE/SALT LAKE STATION

SCALE: NTS

AC
T-204



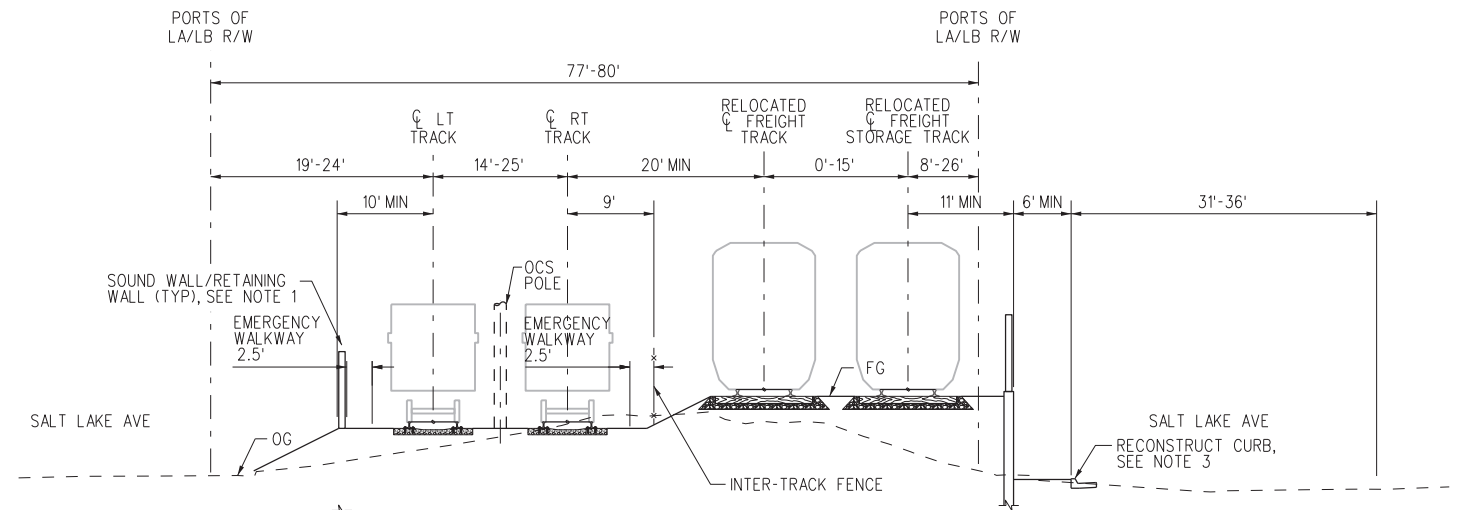
TYPICAL WITH FREIGHT TRACK AND FREIGHT STORAGE TRACK

SCALE: NTS

*FOR STORAGE TRACK LOCATIONS, SEE PLAN AND PROFILE

AB
T-201

T-202
T-210
*T-222 TO T-223



FREIGHT STORAGE TRACK BETWEEN FLORENCE AVE AND OTIS AVE

SCALE: NTS

AD
T-204

T-205 TO T-208

wsppw04-pw-svc 04-MAR-2021 B-28091ATX201.plt 16:28

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REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
0	10/8/2020					FINAL REVISED ACE SUBMITTAL

DESIGNED BY	JR
DRAWN BY	AT
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

Metro

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SUBMITTED _____

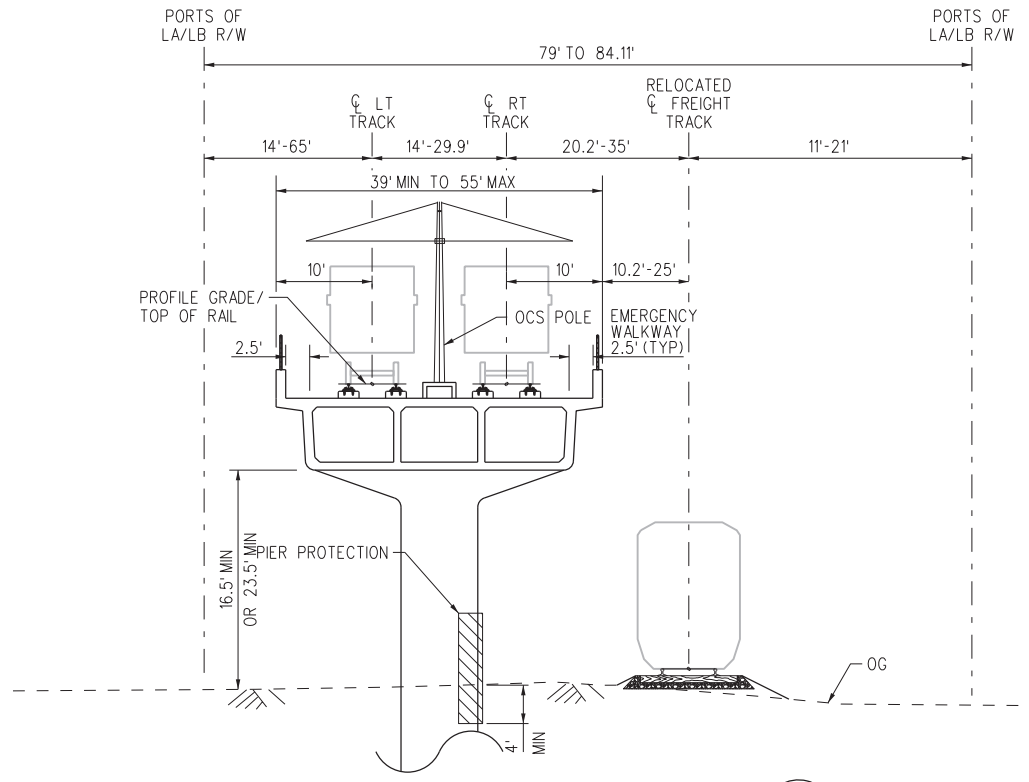
APPROVED _____

WEST SANTA ANA BRANCH LRT TYPICAL SECTIONS ALTERNATIVES 1, 2, AND 3

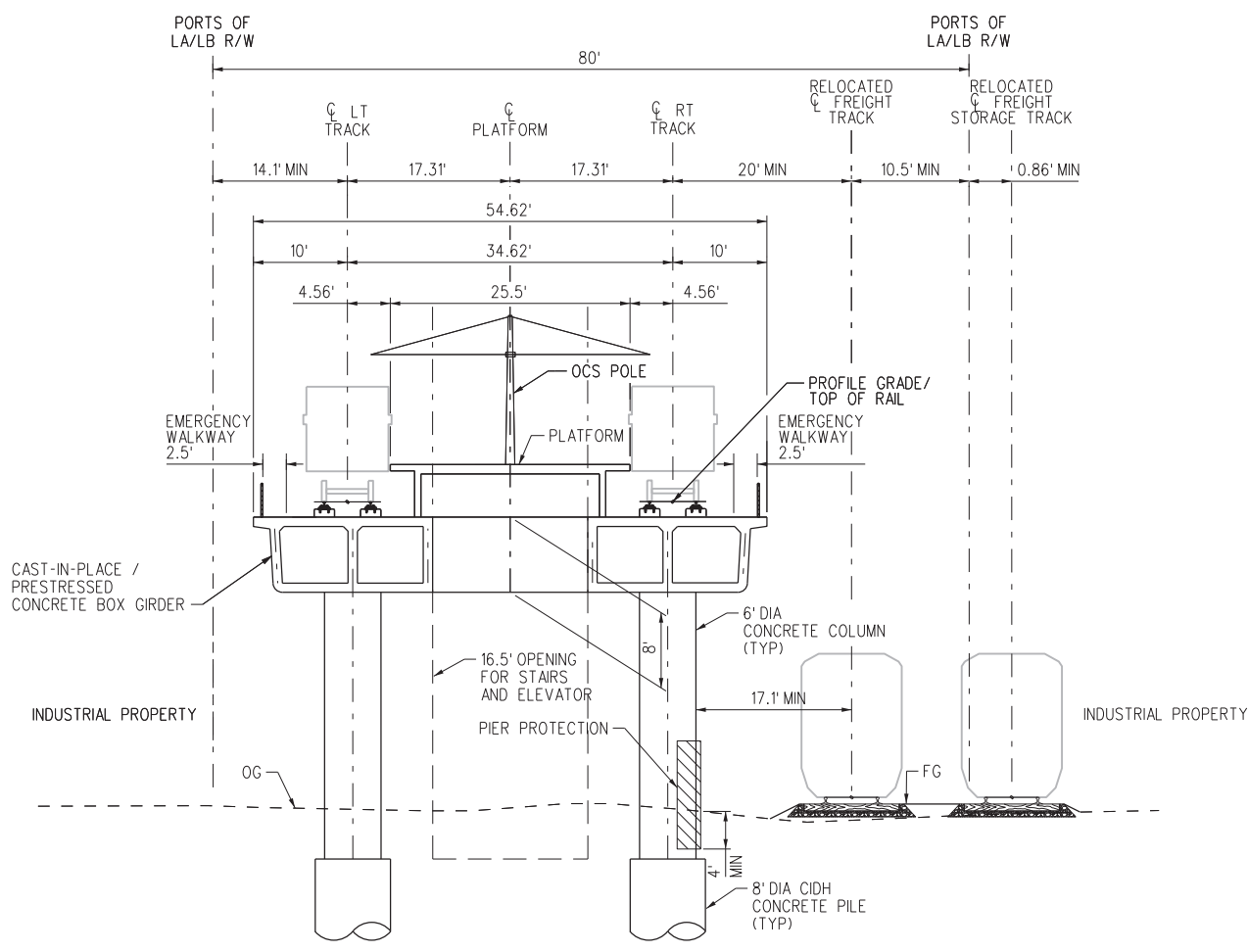
CONTRACT NO.	AE5999300
DRAWING NO.	TX-201
SCALE	NO SCALE
SHEET NO.	143 OF 154

NOT FOR CONSTRUCTION

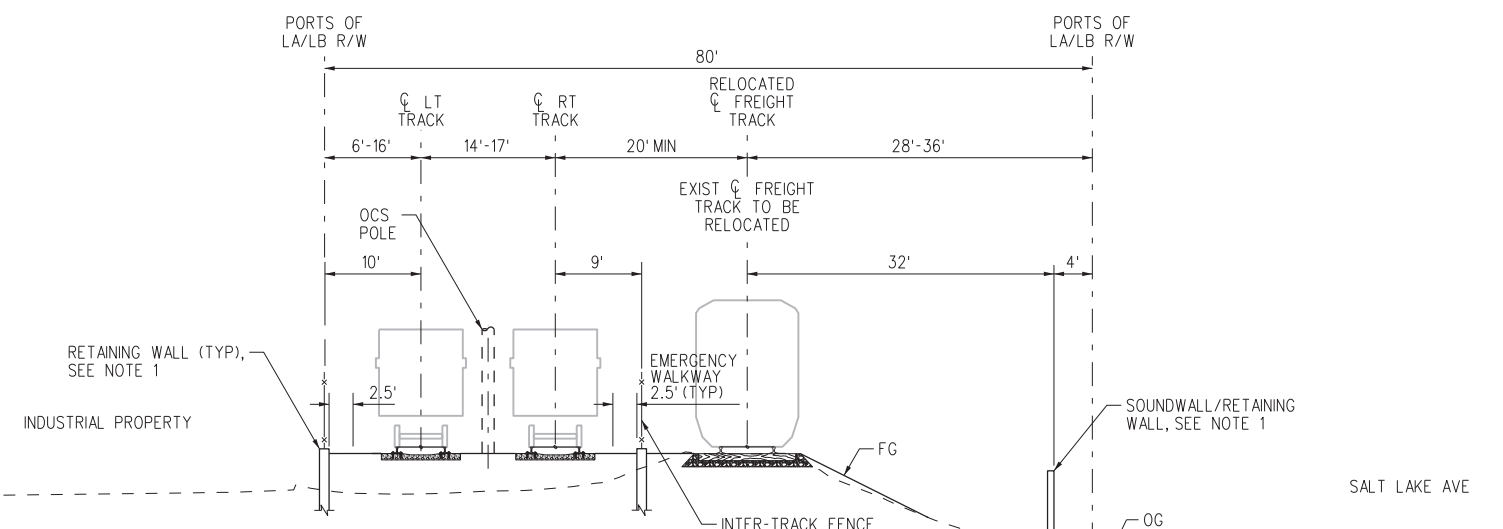
- NOTES:**
1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.
 2. ADDITIONAL EVACUATION/EMERGENCY WALKWAY DETAILS TO BE PROVIDED IN FINAL DESIGN AND ADHERE TO METRO RAIL DESIGN CRITERIA (MRDC).



TYPICAL AERIAL STRUCTURE
 SCALE: NTS
 PATATA FREIGHT OH
 FIRESTONE BLVD
 IMPERIAL HWY
 GARFIELD AVE
 T-213
 T-215
 T-223 TO T-224



FIRESTONE STATION BETWEEN ATLANTIC AVE AND FIRESTONE BLVD
 SCALE: NTS



FREIGHT TRACK BETWEEN SOUTHERN AVE AND LOS ANGELES RIVER
 SCALE: NTS

10-MAY-2021 B-28091ATX202.plg
 wsppw04-pw-svc 22:22
 Plot Driver=MTA-half.pen
 Pentable=bw.plt

FINAL REVISED ACE SUBMITTAL - 10/08/2020

DESIGNED BY	JR						
DRAWN BY	AT						
CHECKED BY	RL						
IN CHARGE	NM						
DATE	10/8/2020						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY	JR
DRAWN BY	AT
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____
 APPROVED _____

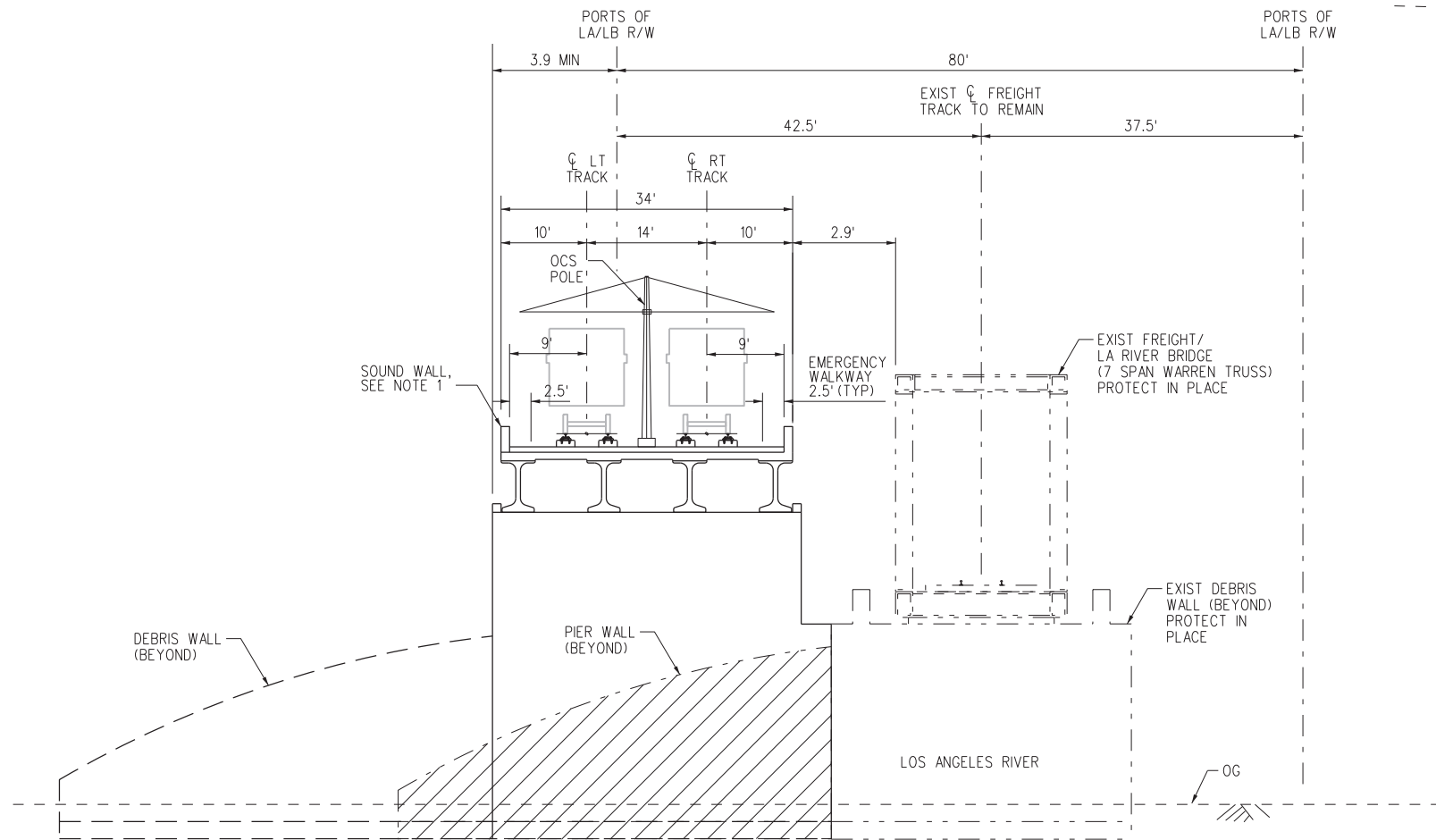
WEST SANTA ANA BRANCH LRT TYPICAL SECTIONS ALTERNATIVES 1, 2, AND 3

CONTRACT NO. AE5999300
 DRAWING NO. TX-202
 SCALE. NO SCALE
 SHEET NO. 144 OF 154

NOT FOR CONSTRUCTION

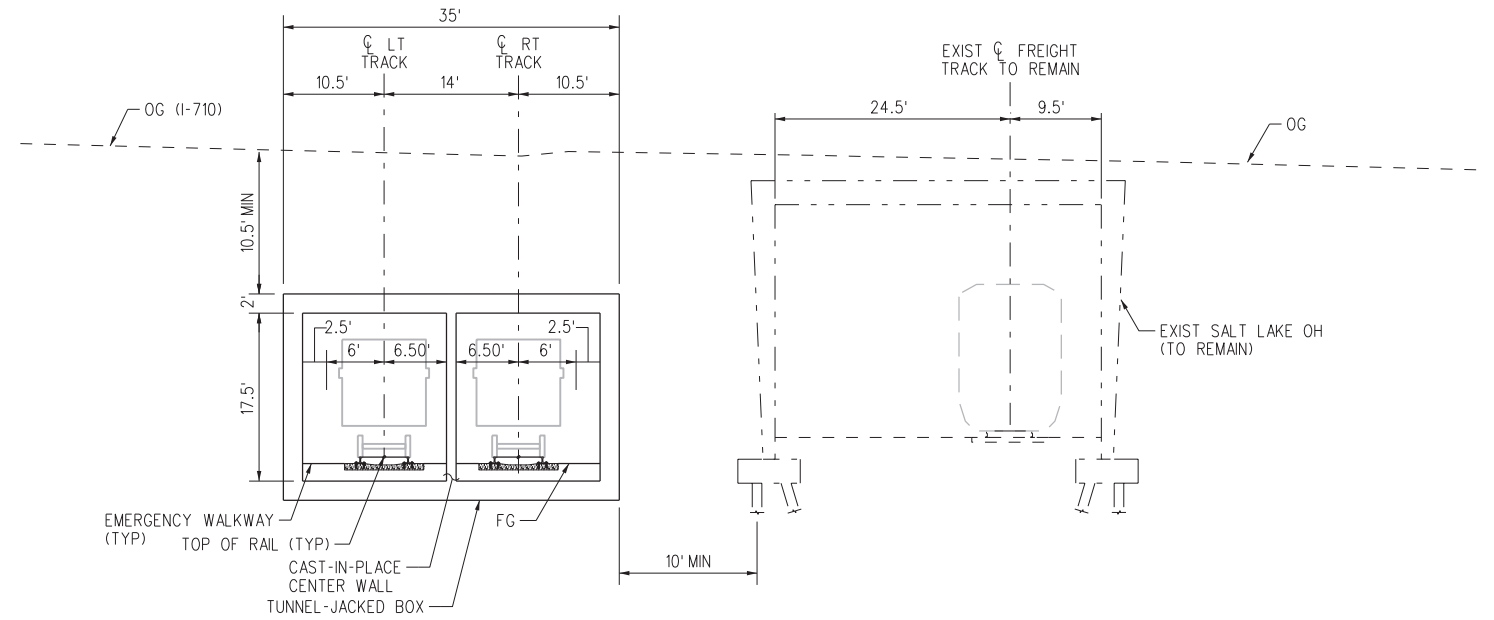
NOTES:

1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.
2. ADDITIONAL EVACUATION/EMERGENCY WALKWAY DETAILS TO BE PROVIDED IN FINAL DESIGN AND ADHERE TO METRO RAIL DESIGN CRITERIA (MRDC).



AERIAL STRUCTURE OVER LOS ANGELES RIVER

SCALE: NTS



LRT UNDERPASS AT I-710

SCALE: NTS



04-MAR-2021 B-28091ATX203.plg
wspw04-pw-svc 16:27

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
0	10/8/2020					FINAL REVISED ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY JR
DRAWN BY AT
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

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LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

SUBMITTED _____
 APPROVED _____

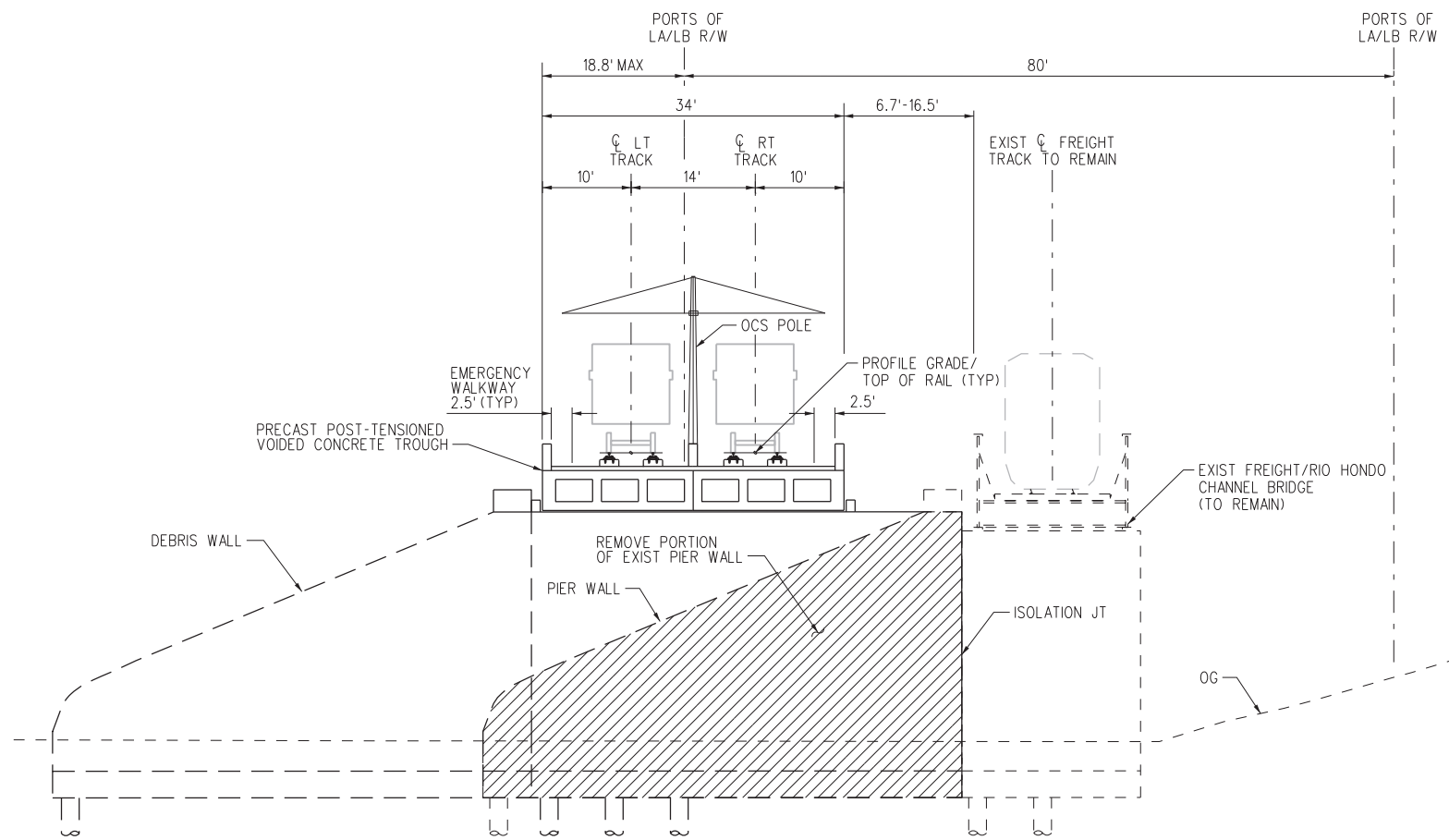
WEST SANTA ANA BRANCH LRT TYPICAL SECTIONS ALTERNATIVES 1, 2, AND 3

CONTRACT NO. AE5999300
DRAWING NO. TX-203
SCALE NO SCALE
SHEET NO. 145 OF 154

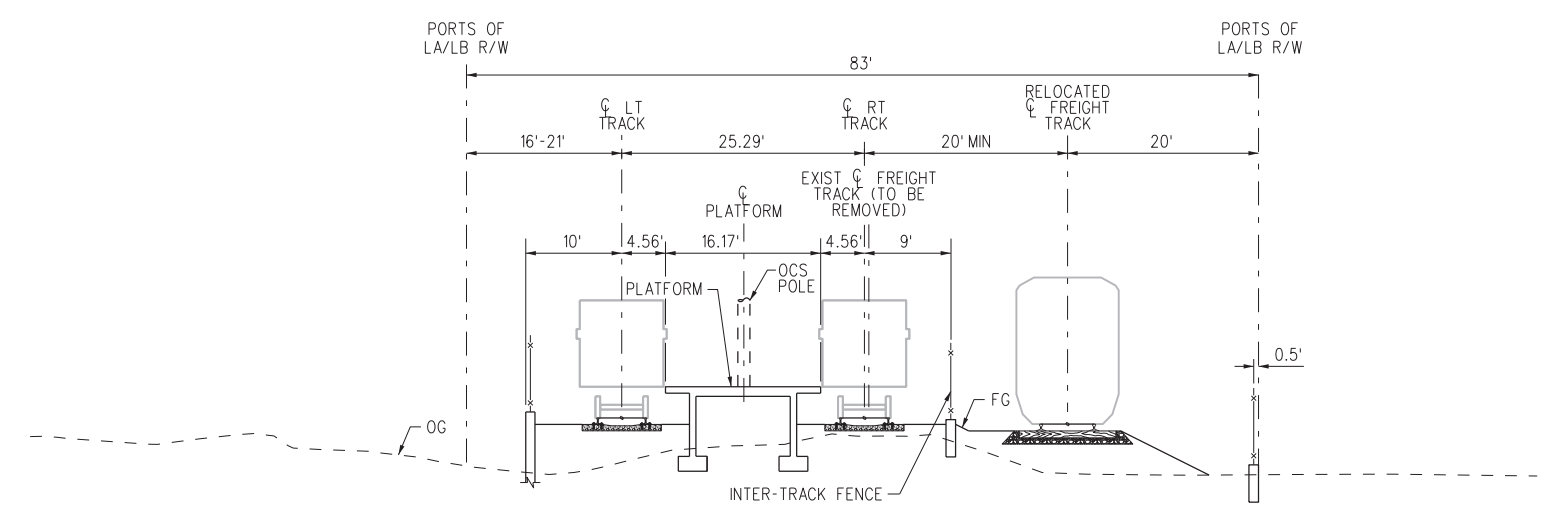
NOT FOR CONSTRUCTION

NOTES:

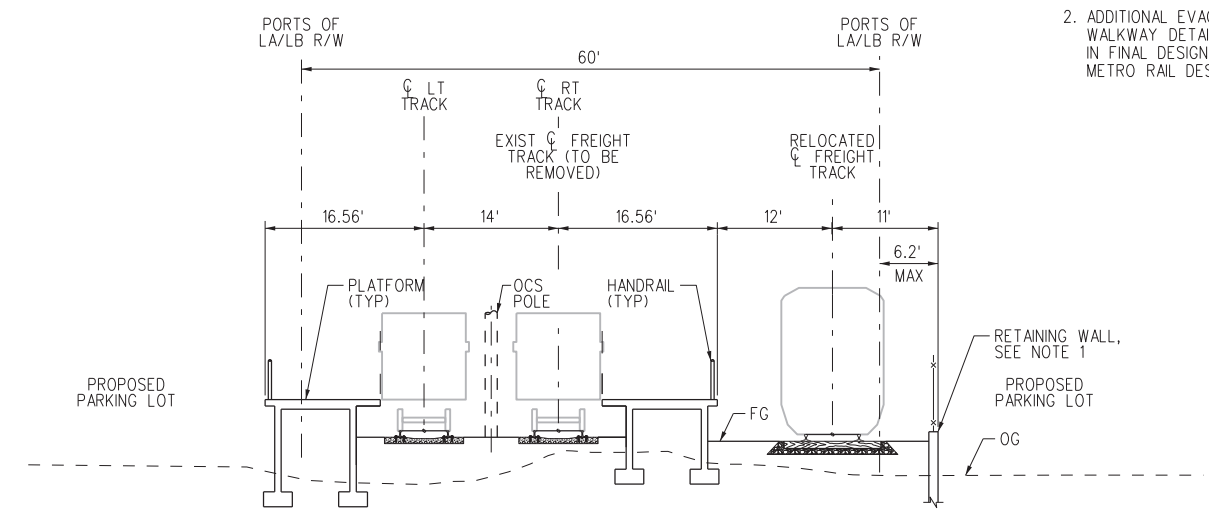
1. FOR FENCE, SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.
2. ADDITIONAL EVACUATION/EMERGENCY WALKWAY DETAILS TO BE PROVIDED IN FINAL DESIGN AND ADHERE TO METRO RAIL DESIGN CRITERIA (MRDC).



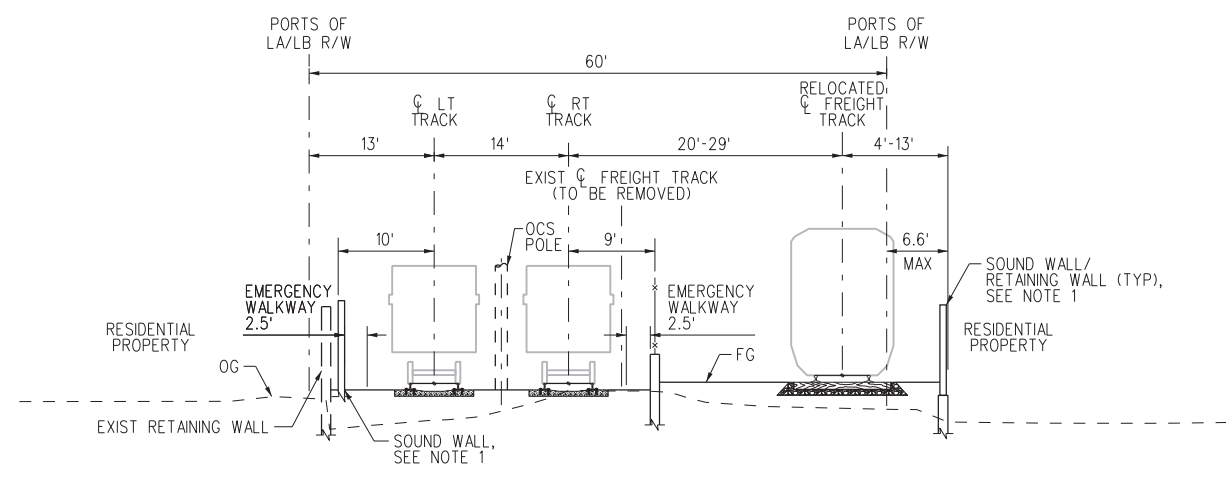
LRT GRADE SEPARATION AT RIO HONDO CHANNEL (AJ)
SCALE: NTS
T-221



GARDENDALE STATION (AK)
SCALE: NTS
T-227



I-105/C LINE STATION (AL)
SCALE: NTS
T-230



AT-GRADE TYPICAL WITH REALIGNED FREIGHT BETWEEN I-105 AND PARAMOUNT STATION (AM)
SCALE: NTS
T-231
T-232

10-MAY-2021 B-28091ATX204.plg
wsppw04-pw-svc 22:22
Plot Driver=MTA-half.pen
Pentable=bw.plt

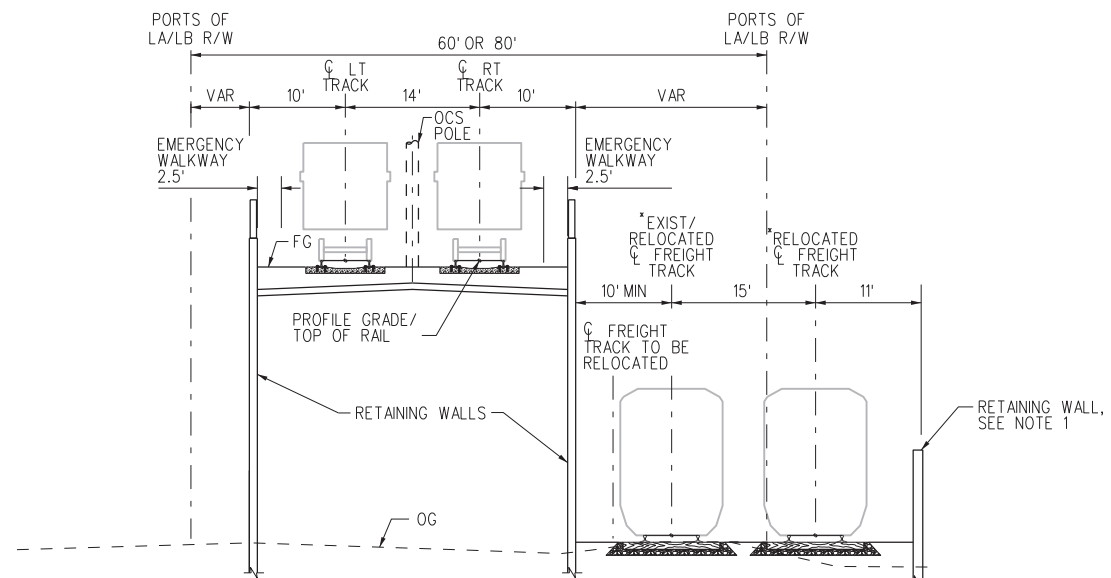
FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY JR	<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p> <p>wsp 444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470</p>	CONTRACT NO. AE5999300
0	10/8/2020	DRAWN BY AT		DRAWING NO. TX-204
REV	DATE	CHECKED BY RL		SCALE NO SCALE
BY	APP	IN CHARGE NM		SHEET NO. 146 OF 154
REG NO.	EXPIRES	DATE 10/8/2020		
SEAL HOLDER	DESCRIPTION	FINAL REVISED ACE SUBMITTAL		

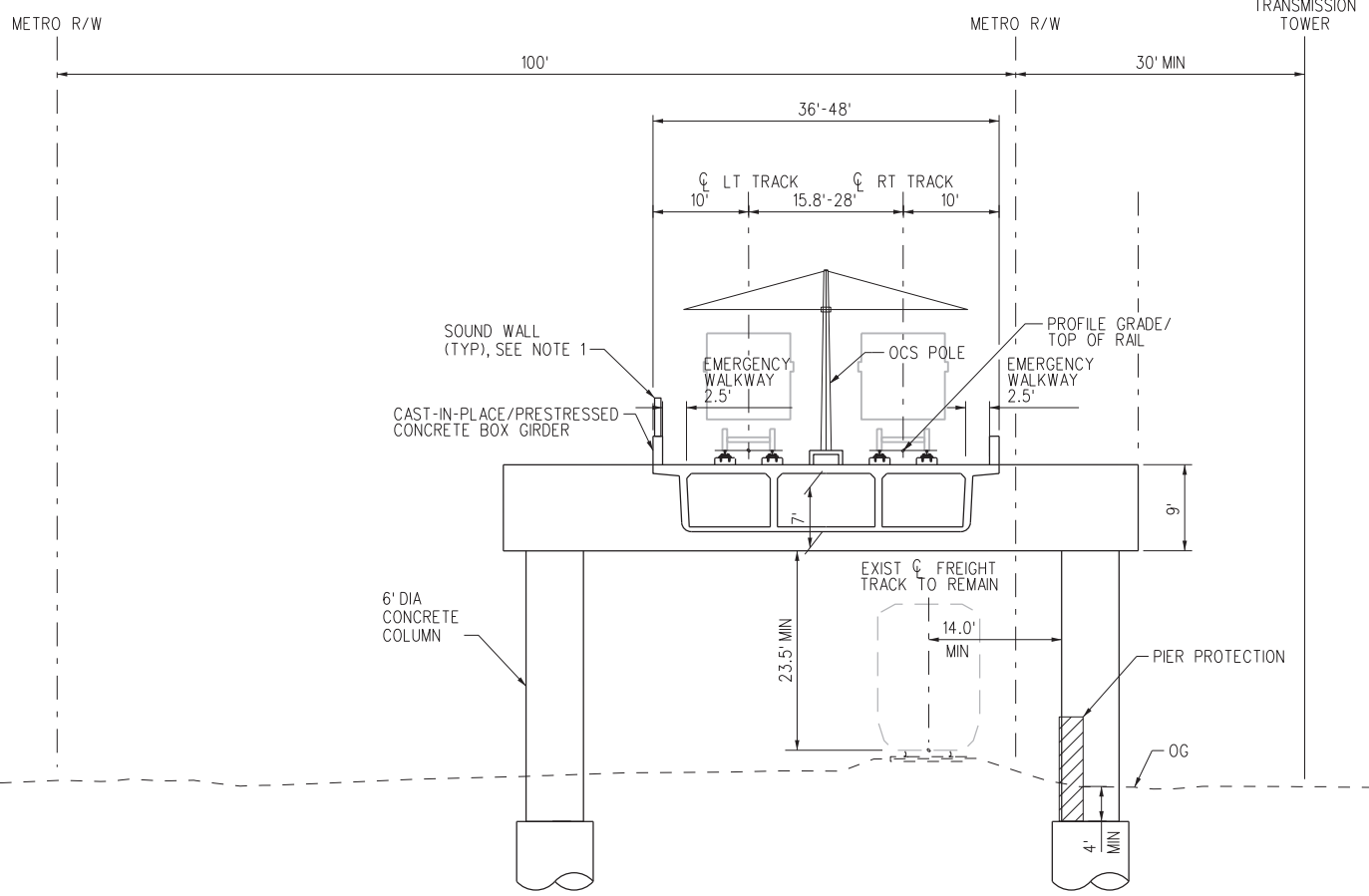
NOT FOR CONSTRUCTION

WEST SANTA ANA BRANCH LRT TYPICAL SECTIONS ALTERNATIVES 1, 2, 3, AND 4

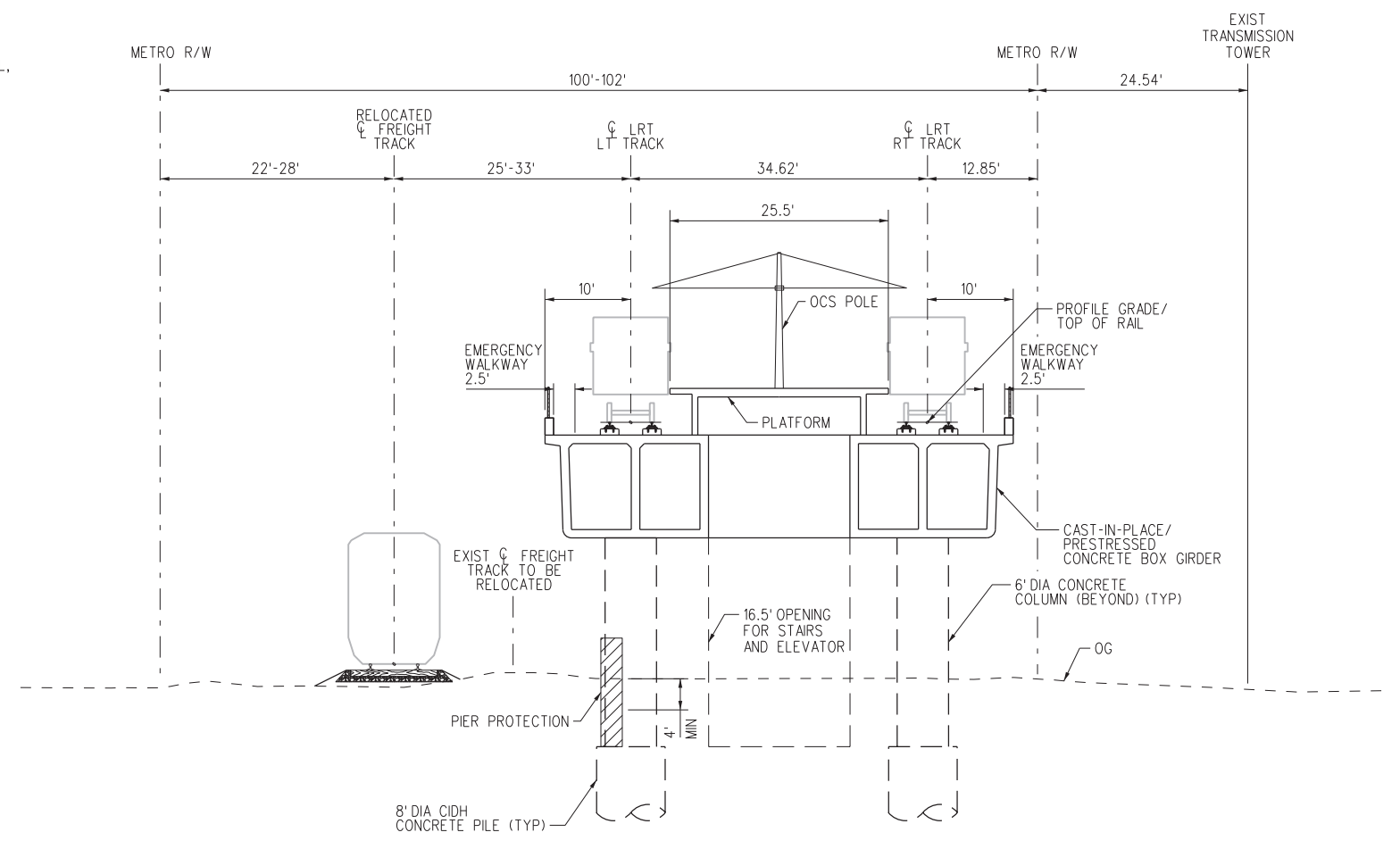
- NOTES:**
1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.
 2. ADDITIONAL EVACUATION/EMERGENCY WALKWAY DETAILS TO BE PROVIDED IN FINAL DESIGN AND ADHERE TO METRO RAIL DESIGN CRITERIA (MRDC).



GRADE SEPARATED TRACK ON RETAINED FILL (AN)
 T-212
 SCALE: NTS
 *FOR STORAGE TRACK LOCATIONS, SEE PLAN AND PROFILE SHEETS.
 T-213 TO T-216
 T-220 TO T-225
 T-232



AERIAL STRUCTURE WITH OUTRIGGER BENT (AO)
 T-233
 T-234
 SCALE: NTS



PARAMOUNT/ROSECRANS STATION (AP)
 T-234
 SCALE: NTS

FINAL REVISED ACE SUBMITTAL - 10/08/2020

DESIGNED BY	JR
DRAWN BY	AT
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY	JR
DRAWN BY	AT
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IN CHARGE	NM
DATE	10/8/2020

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SUBMITTED _____
 APPROVED _____

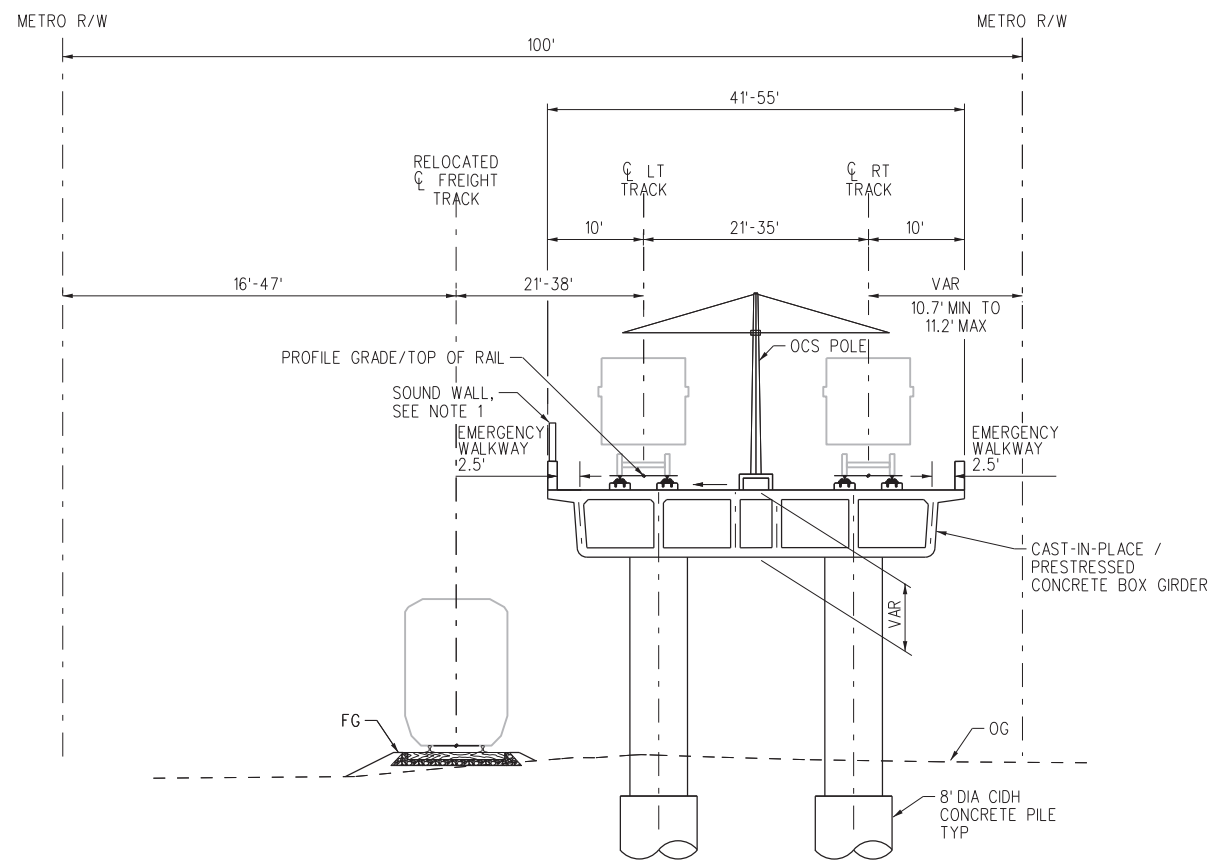
WEST SANTA ANA BRANCH LRT TYPICAL SECTIONS ALTERNATIVES 1, 2, 3, AND 4

CONTRACT NO.	AE5999300
DRAWING NO.	TX-205
SCALE	NO SCALE
SHEET NO.	147 OF 154

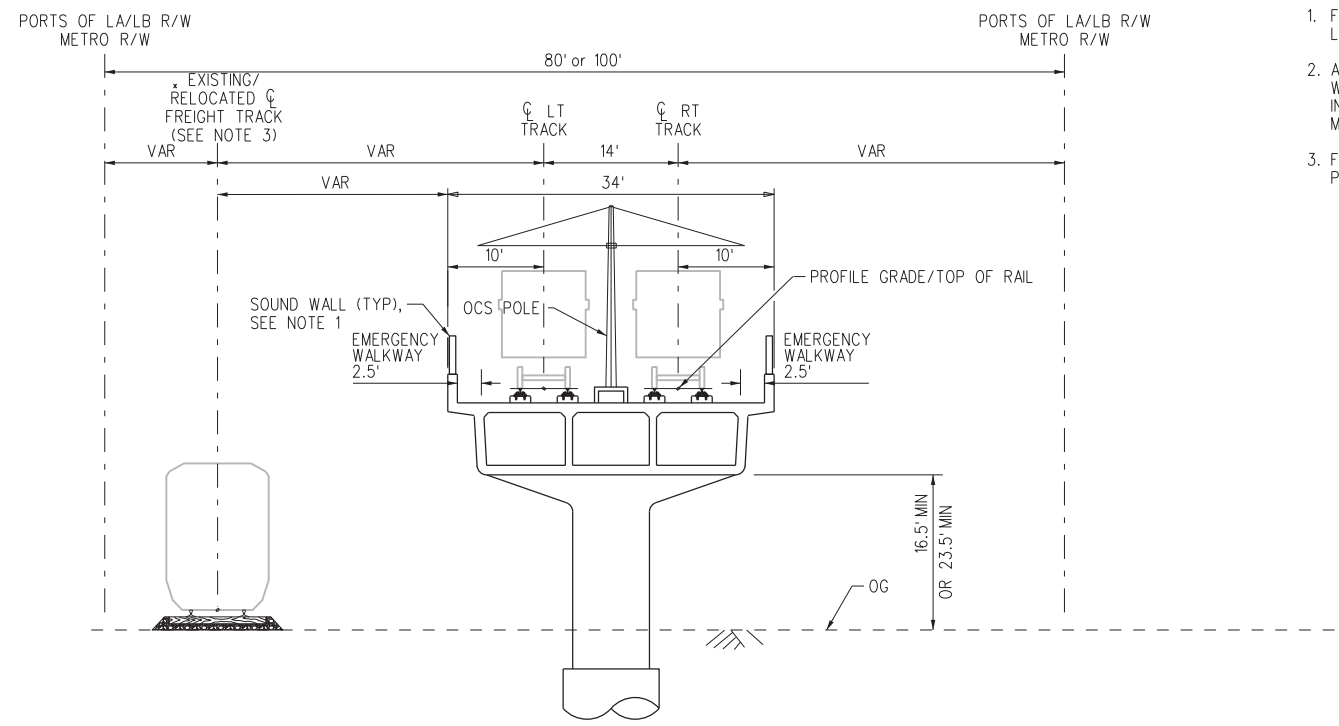
04-MAR-2021 B-28091ATX205.plg
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 Pentable=bw.plt

NOT FOR CONSTRUCTION

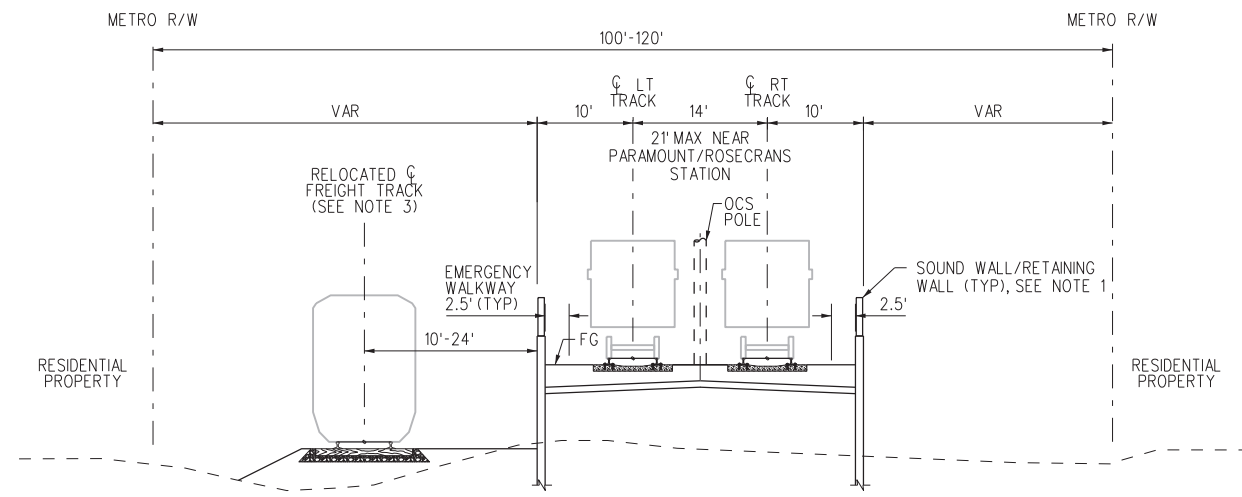
- NOTES:**
1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.
 2. ADDITIONAL EVACUATION/EMERGENCY WALKWAY DETAILS TO BE PROVIDED IN FINAL DESIGN AND ADHERE TO METRO RAIL DESIGN CRITERIA (MRDC).
 3. FOR FREIGHT LOCATION LIMITS, SEE PLAN AND PROFILE SHEETS.



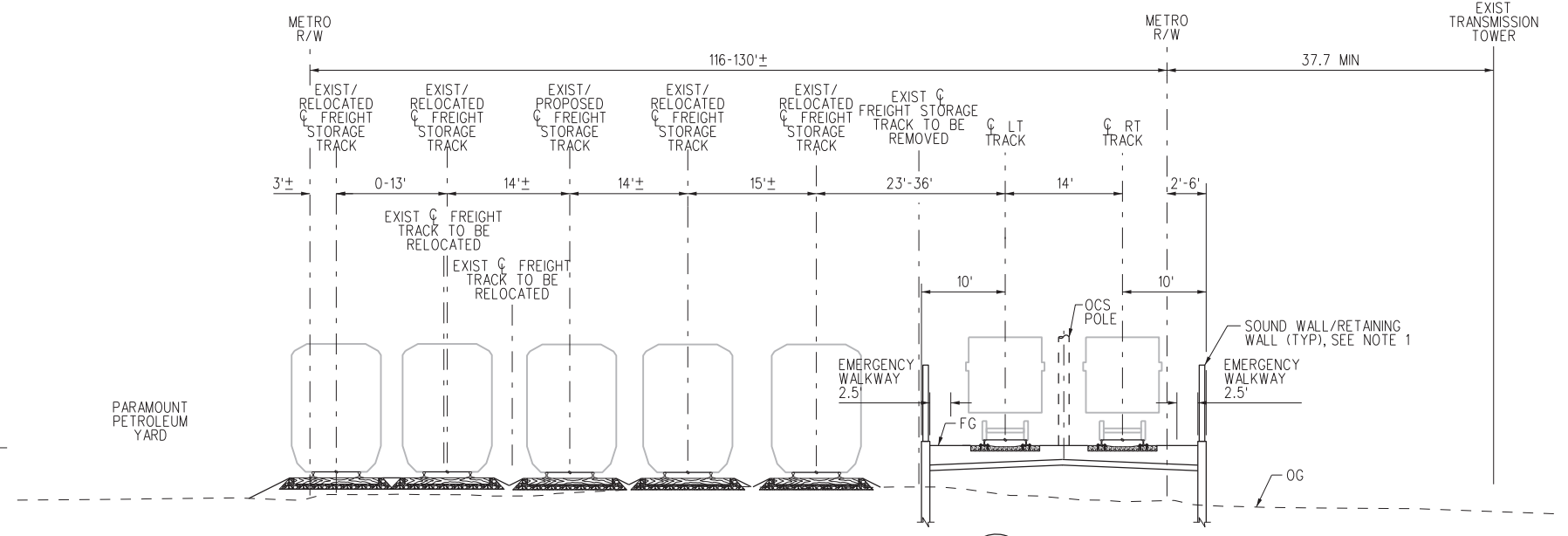
TYPICAL AERIAL NEAR PARAMOUNT BLVD AND ROSECRANS AVE
 SCALE: NTS
 T-234
 T-235



TYPICAL AERIAL STRUCTURE (METRO ROW)
 SCALE: NTS
 SOUTH OF I-105
 DOWNEY AVE
 FLOWER ST/WOODRUFF AVE
 183RD ST/GRIDLEY RD
 T-233, T-238, T-250
 T-259 TO T-260
 *DOWNEY AVE IS A SINGLE SPAN STRUCTURE
 T-232



TYPICAL AT RETAINING WALLS WITHIN METRO R/W
 SCALE: NTS
 VARIOUS LOCATIONS
 T-235 TO T-238
 T-249
 T-254 TO T-255
 T-259 TO T-262
 T-265



TYPICAL AT WORLD ENERGY
 SCALE: NTS
 T-239 TO T-240

FINAL REVISED ACE SUBMITTAL - 10/08/2020

DESIGNED BY	JR						
DRAWN BY	AT						
CHECKED BY	RL						
IN CHARGE	NM						
DATE	10/8/2020						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

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 Suite 800
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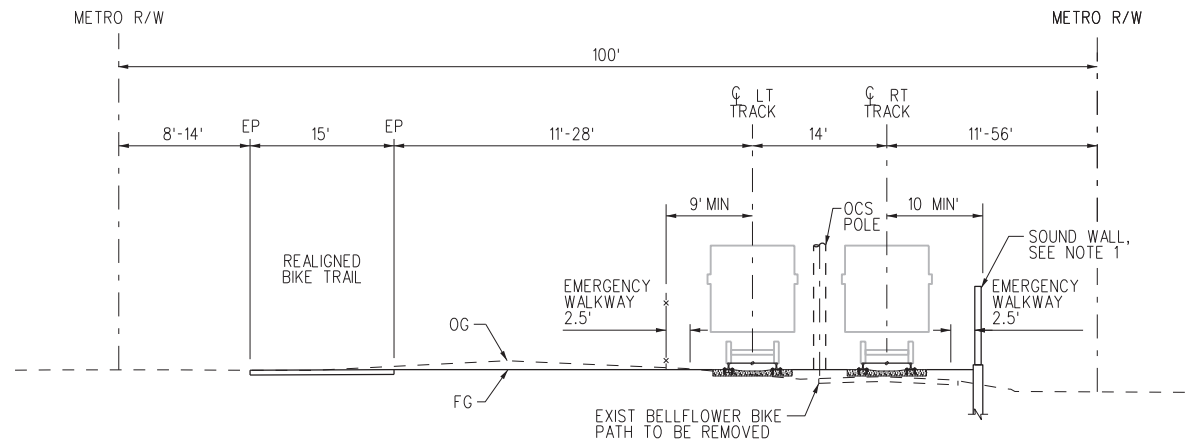
WEST SANTA ANA BRANCH LRT TYPICAL SECTIONS ALTERNATIVES 1, 2, 3, AND 4
 CONTRACT NO. AE5999300
 DRAWING NO. TX-206
 SCALE. NO SCALE
 SHEET NO. 148 OF 154

NOT FOR CONSTRUCTION
 SUBMITTED _____
 APPROVED _____

10-MAY-2021 B-28091ATX206.plg
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Plot Driver=MTA-half.pen
Pentable=bw.plt

NOTES:

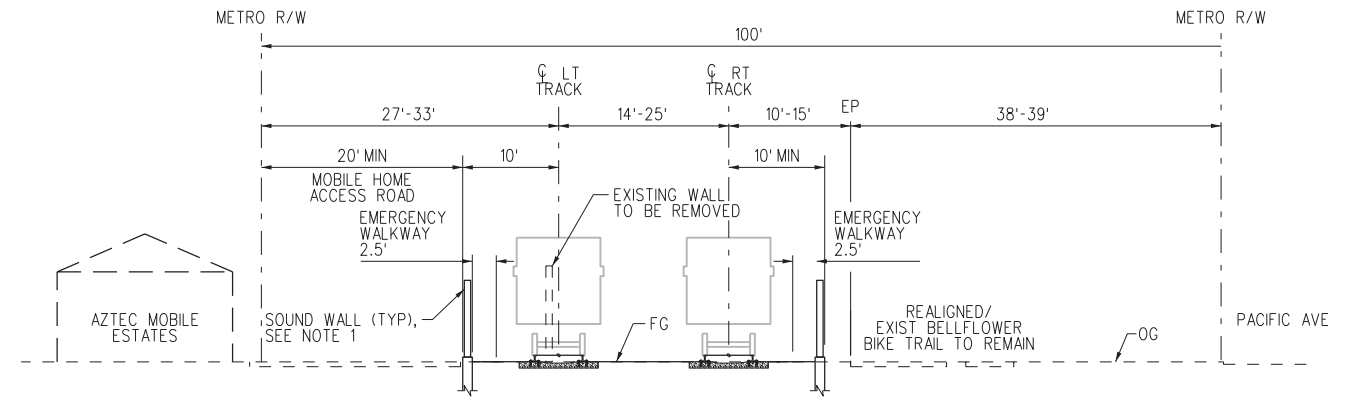
1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.
2. ADDITIONAL EVACUATION/EMERGENCY WALKWAY DETAILS TO BE PROVIDED IN FINAL DESIGN AND ADHERE TO METRO RAIL DESIGN CRITERIA (MRDC).



AT-GRADE TYPICAL IN BELLFLOWER WITH BIKE PATH ON NORTH SIDE BETWEEN SOMERSET BLVD AND LAKEWOOD BLVD

SCALE: NTS

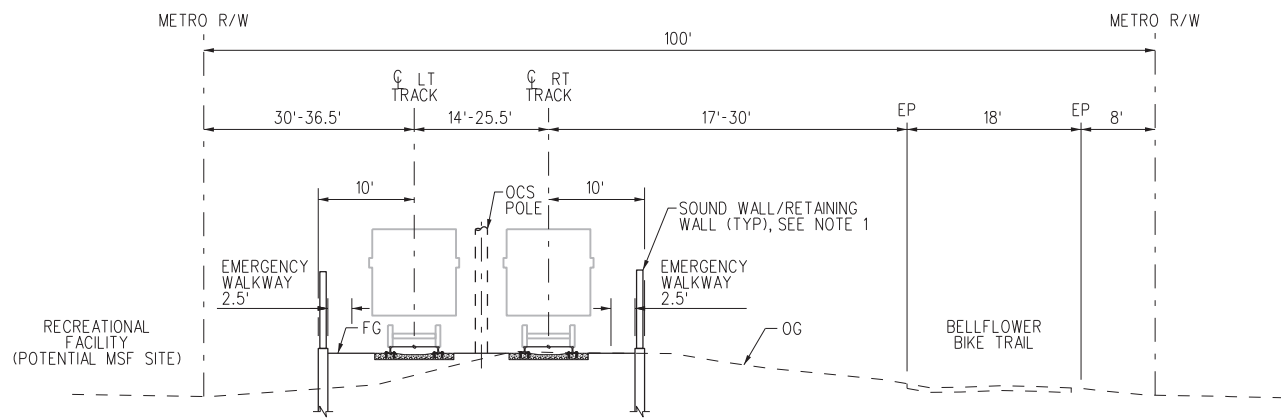
AU
T-240
T-241



TYPICAL AT MOBILE HOME PARK BETWEEN ALONDRA BLVD AND BELLFLOWER BLVD

SCALE: NTS

AW
T-245
T-246

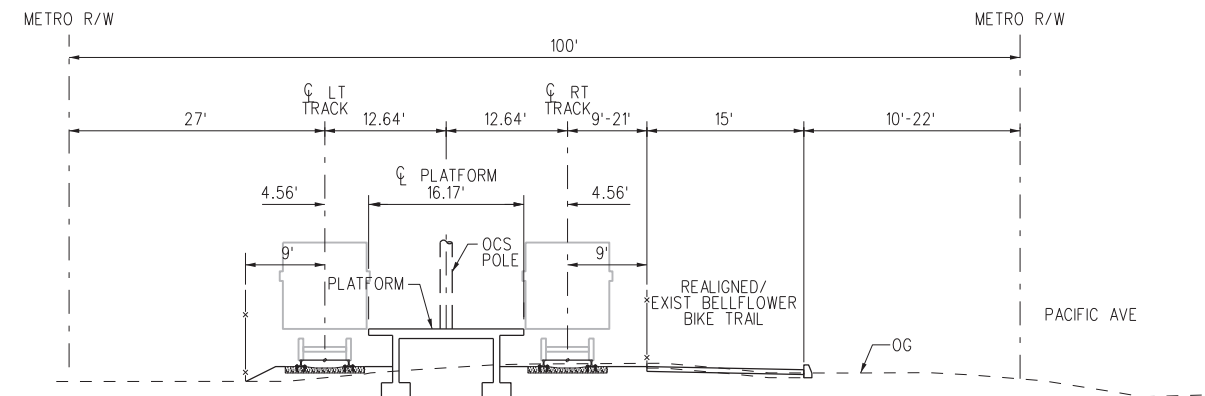


TYPICAL IN BELLFLOWER WITH BIKE PATH ON SOUTH SIDE

SCALE: NTS

AV
T-241

T-242 TO T-245
T-248



BELLFLOWER STATION

SCALE: NTS

AX
T-247

10-MAY-2021 10:22:22 wsppw04-pw-svc B-28091ATX207.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
0	10/8/2020					FINAL REVISED ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY JR
DRAWN BY AT
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020

Los Angeles County Metropolitan Transportation Authority

444 South Flower Street
Suite 800
Los Angeles, CA 90071
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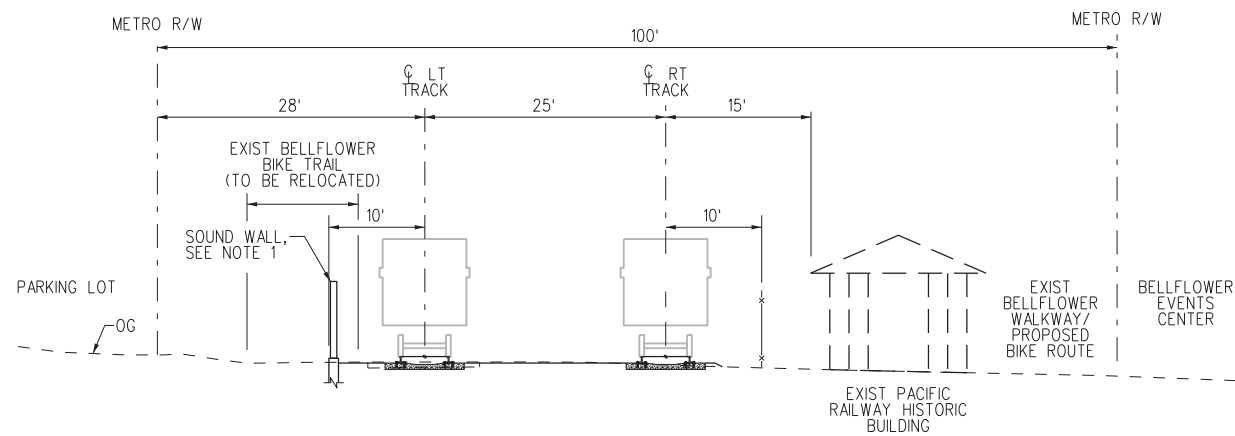
SUBMITTED	_____
APPROVED	_____

NOT FOR CONSTRUCTION

**WEST SANTA ANA BRANCH LRT
TYPICAL SECTIONS
ALTERNATIVES 1, 2, 3, AND 4**

CONTRACT NO. AE5999300	
DRAWING NO. TX-207	REV
SCALE NO SCALE	
SHEET NO. 149	OF 154

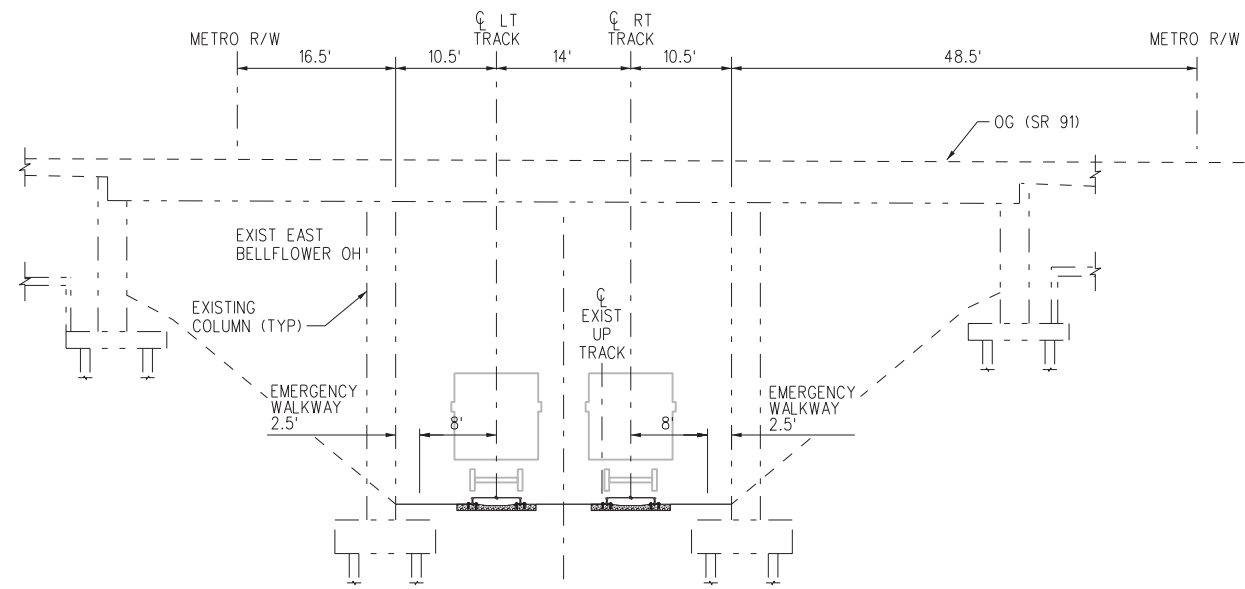
- NOTES:**
1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.
 2. ADDITIONAL EVACUATION/EMERGENCY WALKWAY DETAILS TO BE PROVIDED IN FINAL DESIGN AND ADHERE TO METRO RAIL DESIGN CRITERIA (MRDC).



TYPICAL AT HISTORICAL BUILDING

SCALE: NTS

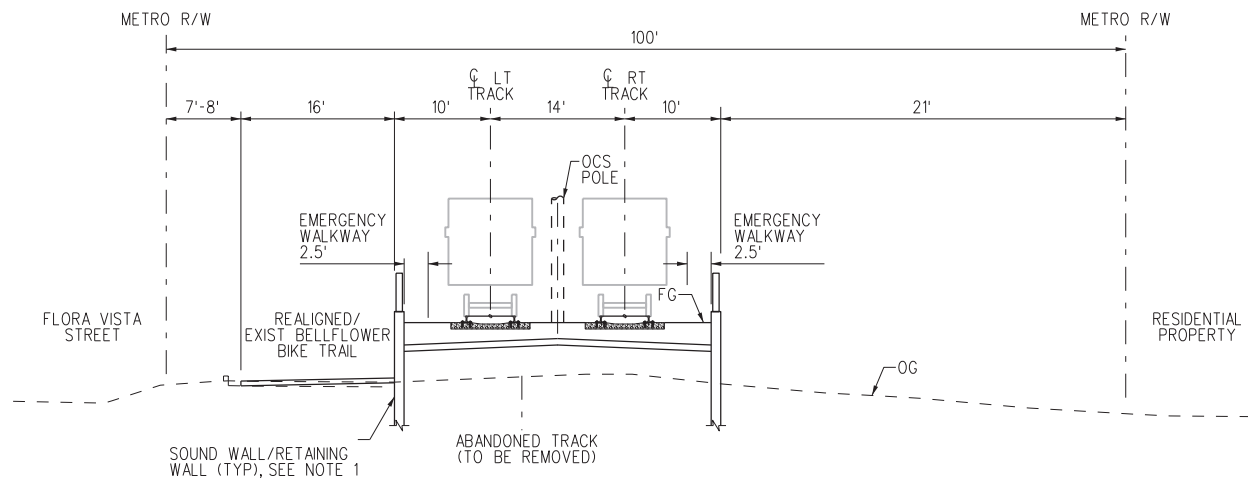
AY
T-247



E BELLFLOWER OH (ROUTE 91)

SCALE: NTS

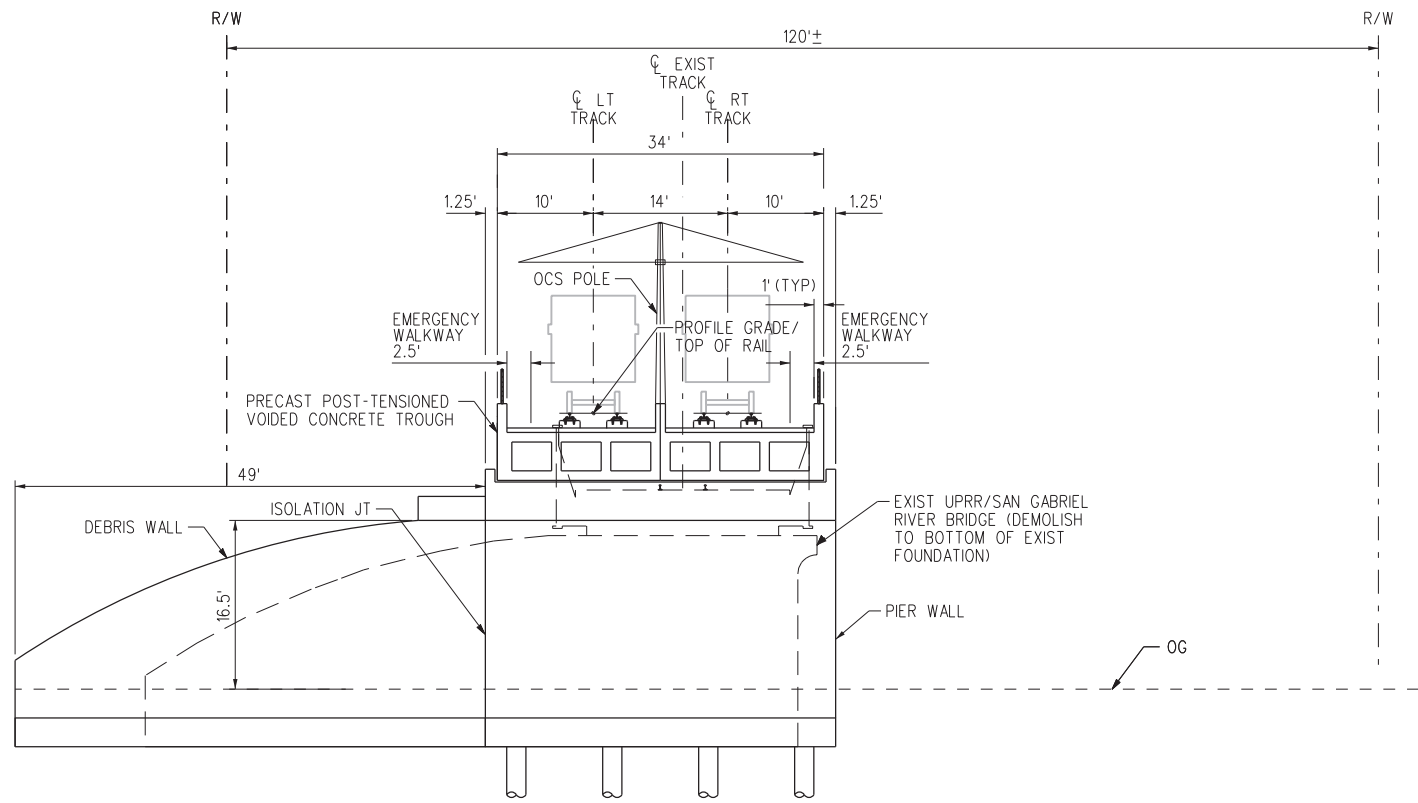
BA
T-253



TYPICAL WITH BIKE PATH ON NORTH SIDE NEXT TO RETAINING WALL

SCALE: NTS

AZ
T-250
T-251, T-252



TYPICAL AERIAL SECTION AT SAN GABRIEL RIVER

SCALE: NTS

BB
T-254

FINAL REVISED ACE SUBMITTAL - 10/08/2020

DESIGNED BY	JR						
DRAWN BY	AT						
CHECKED BY	RL						
IN CHARGE	NM						
DATE	10/8/2020						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY	JR
DRAWN BY	AT
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020



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Suite 800
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SUBMITTED _____

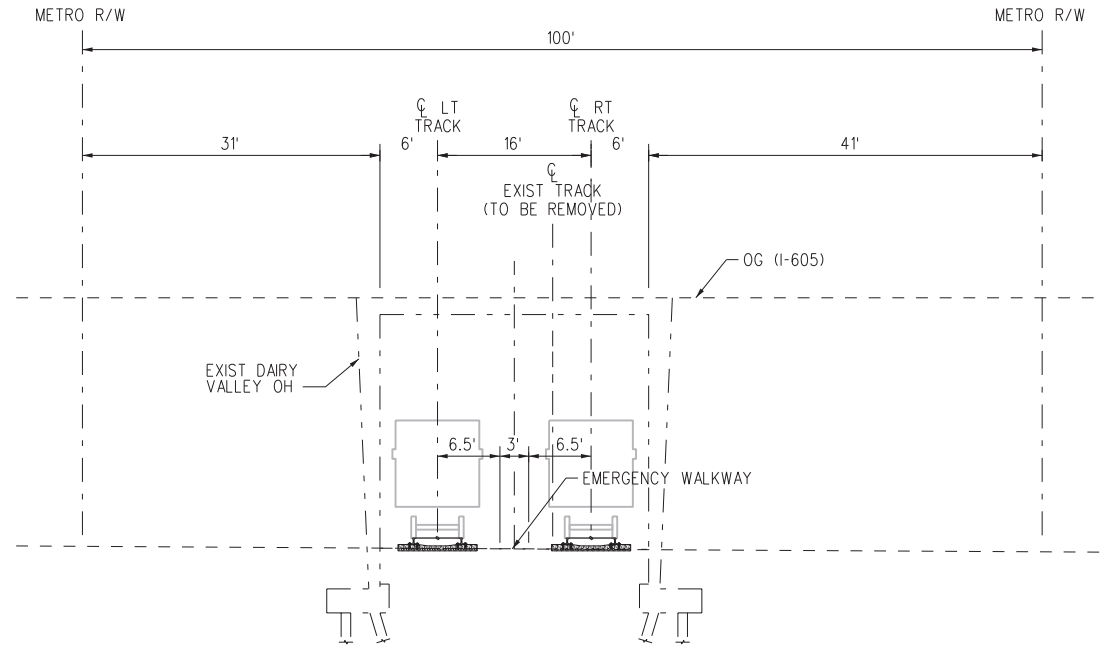
APPROVED _____

**WEST SANTA ANA BRANCH LRT
TYPICAL SECTIONS
ALTERNATIVES 1, 2, 3, AND 4**

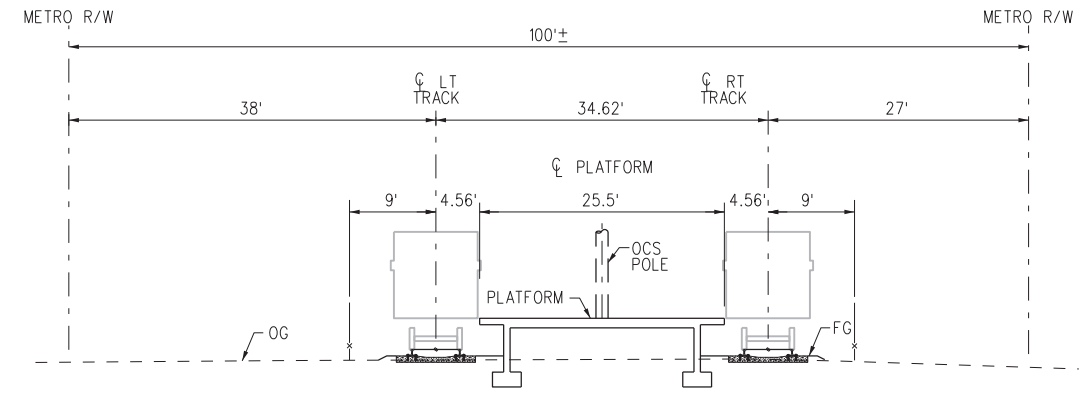
CONTRACT NO.	AE5999300
DRAWING NO.	TX-208
SCALE	NO SCALE
SHEET NO.	150 OF 154

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wspw04-pw-svc 16:28
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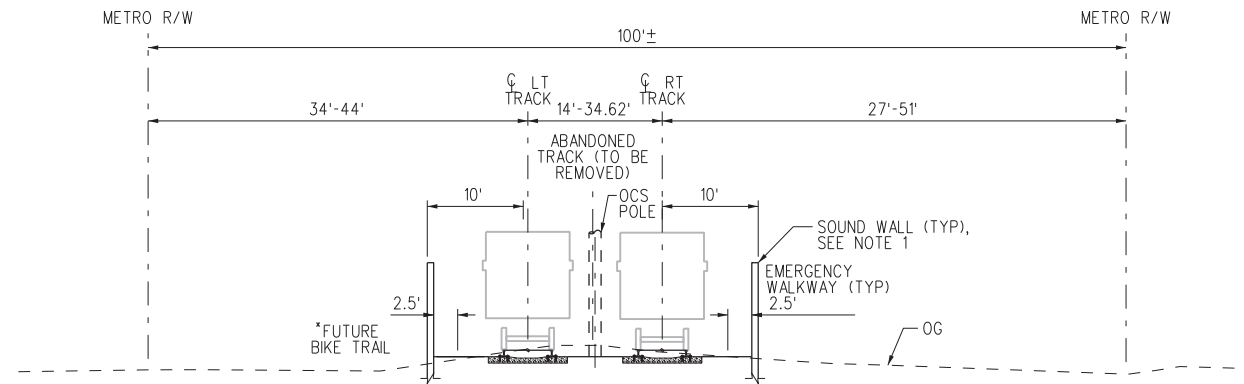
- NOTES:**
1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.
 2. ADDITIONAL EVACUATION/EMERGENCY WALKWAY DETAILS TO BE PROVIDED IN FINAL DESIGN AND ADHERE TO METRO RAIL DESIGN CRITERIA (MRDC).



DAIRY VALLEY OH AT I-605
SCALE: NTS



PIONEER STATION
SCALE: NTS



**TYPICAL AT-GRADE IN CERRITOS BETWEEN
SAN GABRIEL RIVER AND 183RD ST/GRIDLEY RD**
SCALE: NTS



T-256 TO T-258
* T-262 TO T-263
T-264

10-MAY-2021 10:22:24 B-28091ATX209.plg

FINAL REVISED ACE SUBMITTAL - 10/08/2020

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY	JR
DRAWN BY	AT
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

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LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

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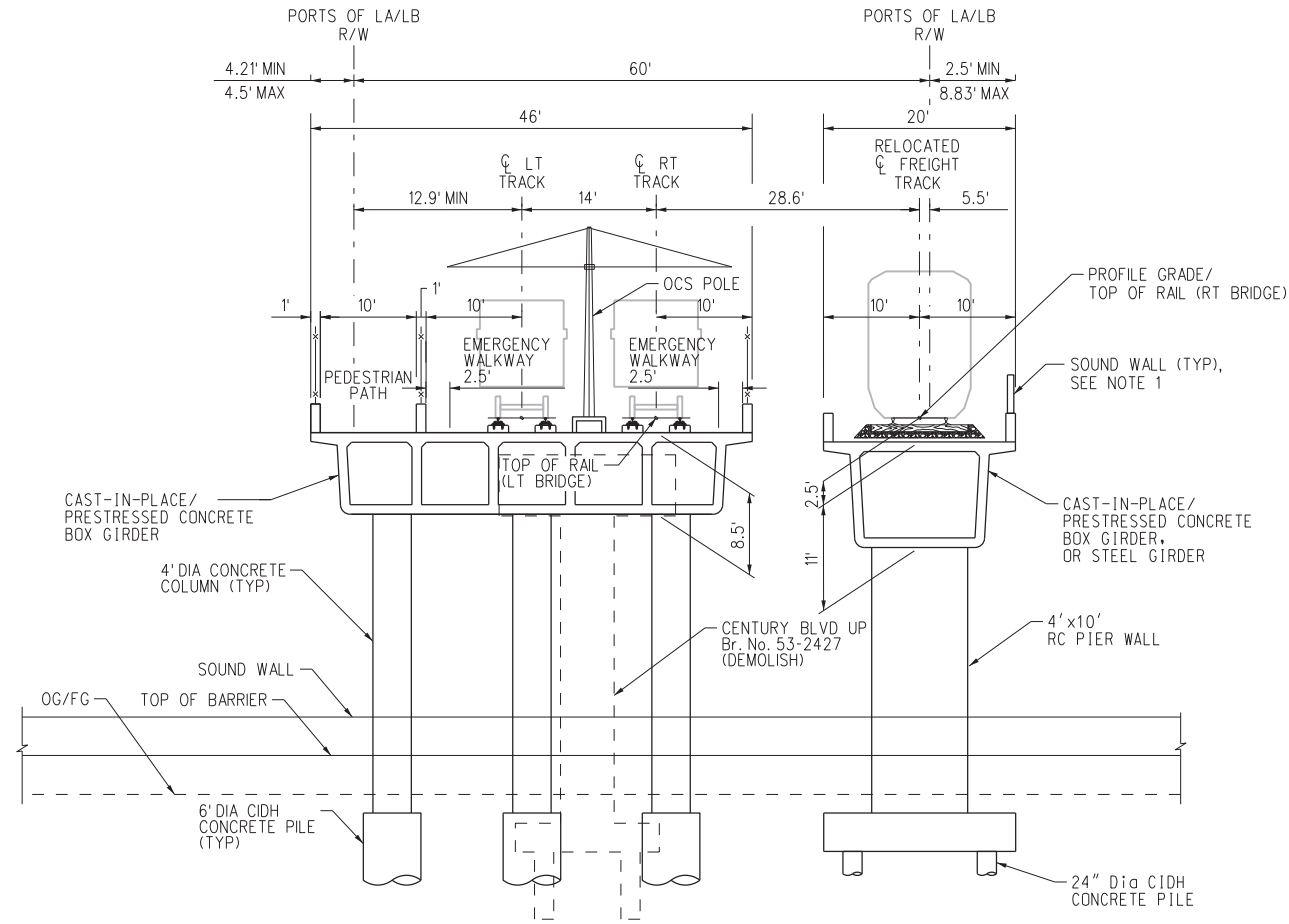
SUBMITTED _____
APPROVED _____

**WEST SANTA ANA BRANCH LRT
TYPICAL SECTIONS
ALTERNATIVES 1, 2, 3, AND 4**

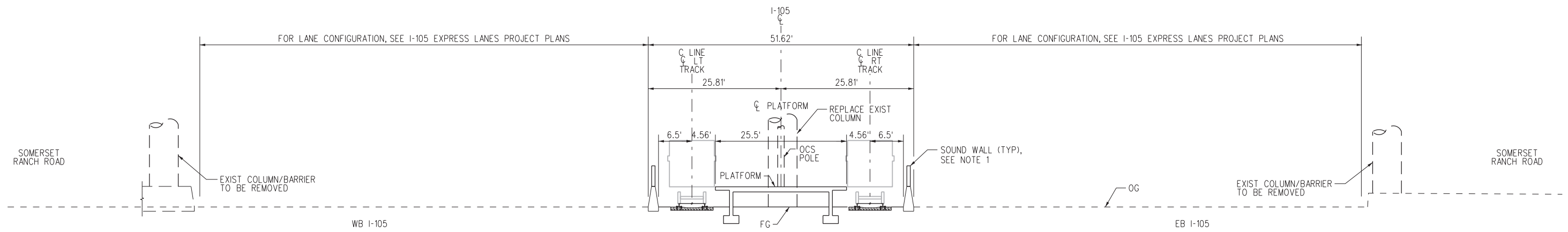
CONTRACT NO. AE5999300
DRAWING NO. TX-209
SCALE NO SCALE
SHEET NO. 151 OF 154

NOT FOR CONSTRUCTION

- NOTES:**
- FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.
 - ADDITIONAL EVACUATION/EMERGENCY WALKWAY DETAILS TO BE PROVIDED IN FINAL DESIGN AND ADHERE TO METRO RAIL DESIGN CRITERIA (MRDC).



I-105 UNDERPASS
SCALE: NTS



I-105/C LINE (25.5' PLATFORM WIDTH)
SCALE: NTS

FINAL REVISED ACE SUBMITTAL - 10/08/2020

DESIGNED BY	JR						
DRAWN BY	AT						
CHECKED BY	RL						
IN CHARGE	NM						
DATE	10/8/2020						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY	JR
DRAWN BY	AT
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020

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SUBMITTED _____
APPROVED _____

WEST SANTA ANA BRANCH LRT TYPICAL SECTIONS C LINE

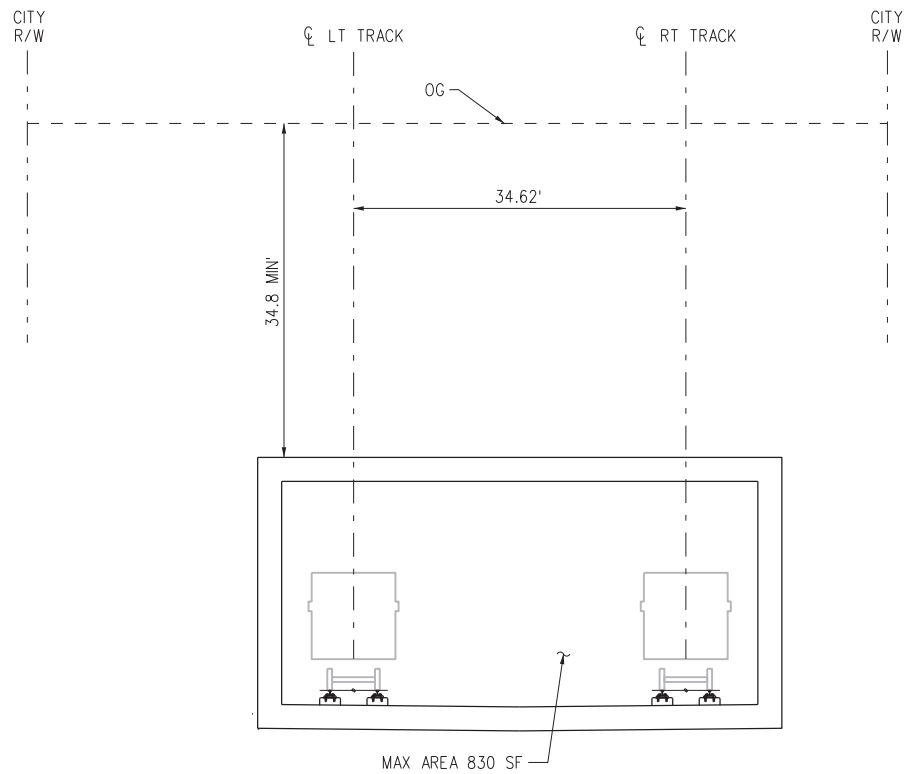
CONTRACT NO. AE5999300
DRAWING NO. TX-210
SCALE NO SCALE
SHEET NO. 152 OF 154

NOT FOR CONSTRUCTION

10-MAY-2021 10:22:24 B-28091ATX210.plt

NOTES:

1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.
2. ADDITIONAL EVACUATION/EMERGENCY WALKWAY DETAILS TO BE PROVIDED IN FINAL DESIGN AND ADHERE TO METRO RAIL DESIGN CRITERIA (MRDC).
3. A LINE IS TO BE PROTECTED IN PLACE.

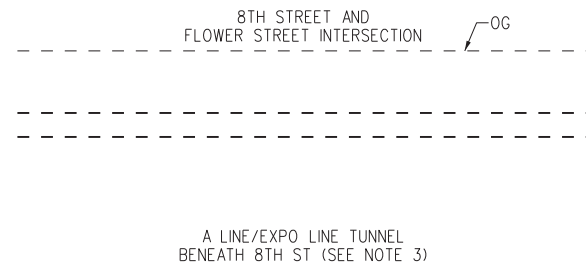


ALT 2 TYPICAL AT DOUBLE CROSSOVER LOCATION

SCALE: NTS



T-2-101
T-2-102
T-2-111

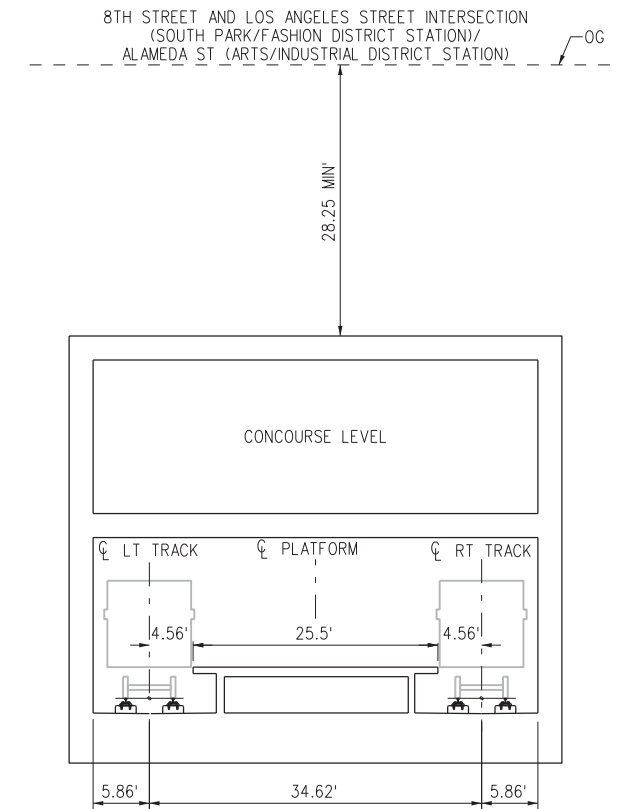


7TH ST/METRO CENTER STATION

SCALE: NTS



T-2-102



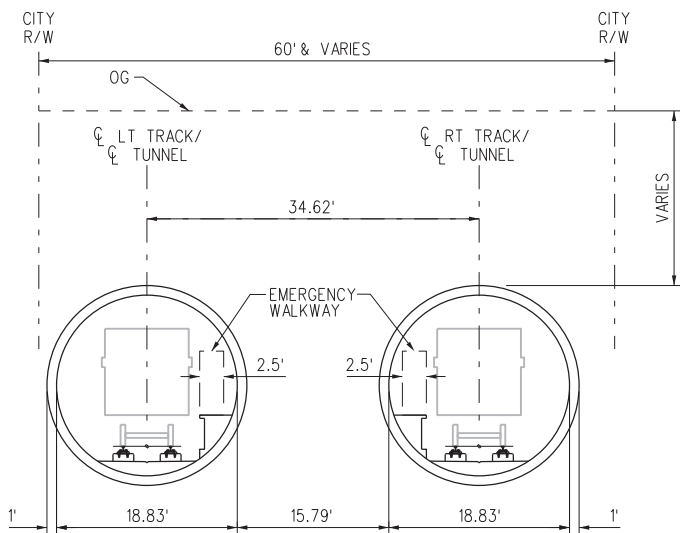
SOUTH PARK/FASHION DISTRICT STATION AND ARTS/INDUSTRIAL DISTRICT STATION

SCALE: NTS



T-2-105

T-2-111



ALT 2 TYPICAL TUNNEL

SCALE: NTS



T-2-101 TO
T-2-111

FINAL REVISED ACE SUBMITTAL - 10/08/2020

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DESIGNED BY	JR	DATE	10/8/2020	BY	APP	REG NO.
DRAWN BY	AT	EXPIRES		SEAL HOLDER		
CHECKED BY	RL	DESCRIPTION	FINAL REVISED ACE SUBMITTAL			
IN CHARGE	NM					
DATE	10/8/2020					
REV	0	DATE	10/8/2020	BY	APP	REG NO.

DESIGNED BY	JR
DRAWN BY	AT
CHECKED BY	RL
IN CHARGE	NM
DATE	10/8/2020



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



444 South Flower Street Suite 800 Los Angeles, CA 90071 TEL (213) 362-9470

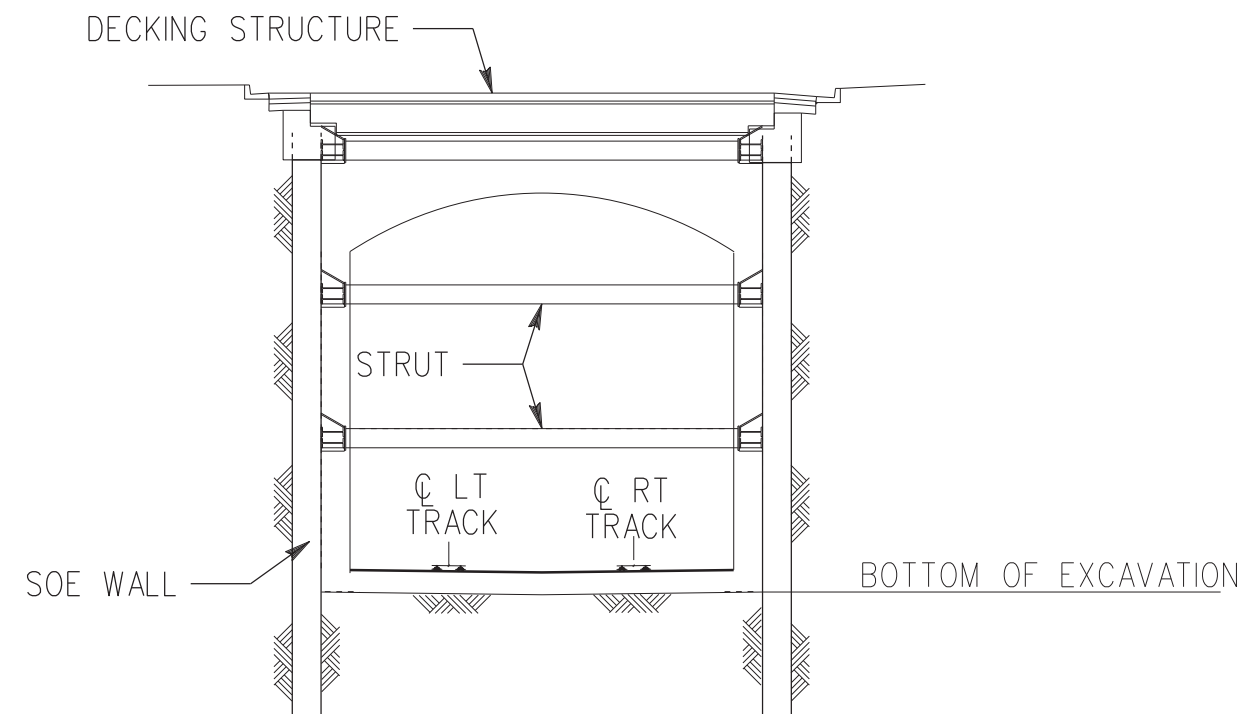
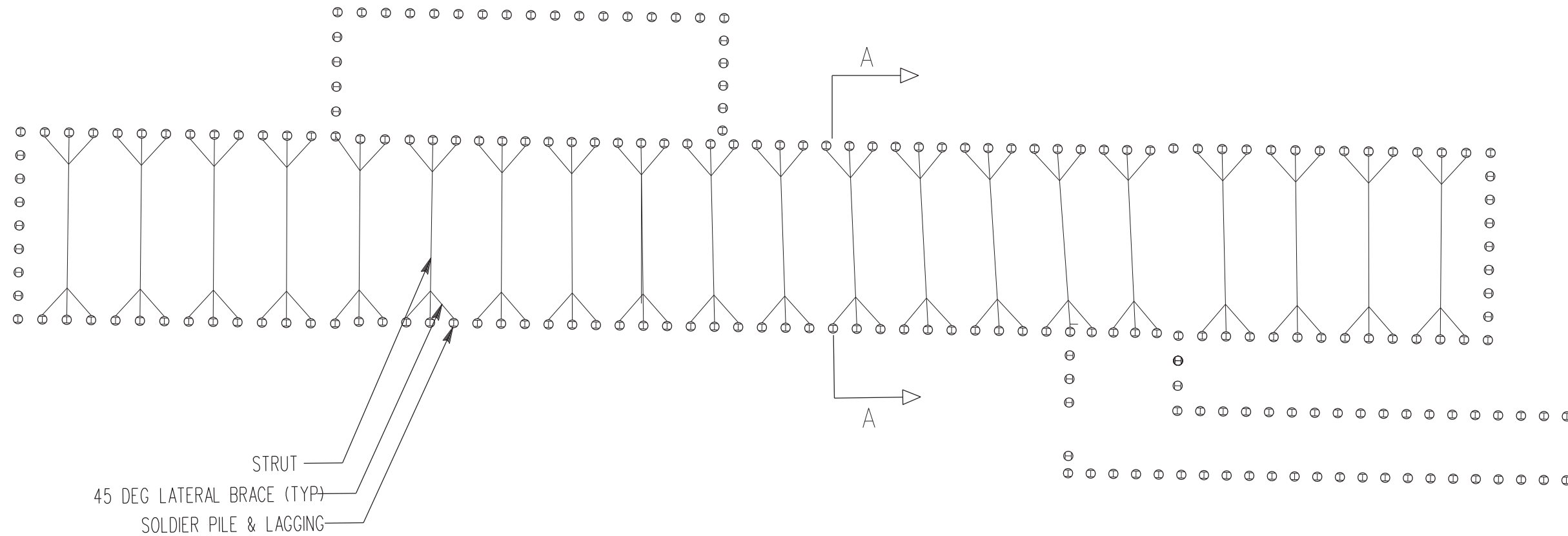
SUBMITTED _____
APPROVED _____

WEST SANTA ANA BRANCH LRT TYPICAL SECTIONS ALTERNATIVE 2

CONTRACT NO.	AE5999300
DRAWING NO.	TX-211
SCALE	NO SCALE
SHEET NO.	153 OF 154

NOT FOR CONSTRUCTION

04-MAR-2021 B-28091ATX211.plt



FINAL REVISED ACE SUBMITTAL - 10/08/2020

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	10/8/2020						FINAL REVISED ACE SUBMITTAL

DESIGNED BY AM
DRAWN BY MF
CHECKED BY RL
IN CHARGE NM
DATE 10/8/2020



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY



444 South Flower Street
Suite 800
Los Angeles, CA 90071
TEL (213) 362-9470

SUBMITTED _____
APPROVED _____

WEST SANTA ANA BRANCH LRT

TYPICAL EXCAVATION SUPPORT

CONTRACT NO. AE5999300
DRAWING NO. EX-101
SCALE NO SCALE
SHEET NO. 154 OF 154

10-MAY-2021 B-28091AEX101.plt