

# West Santa Ana Branch Transit Corridor

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

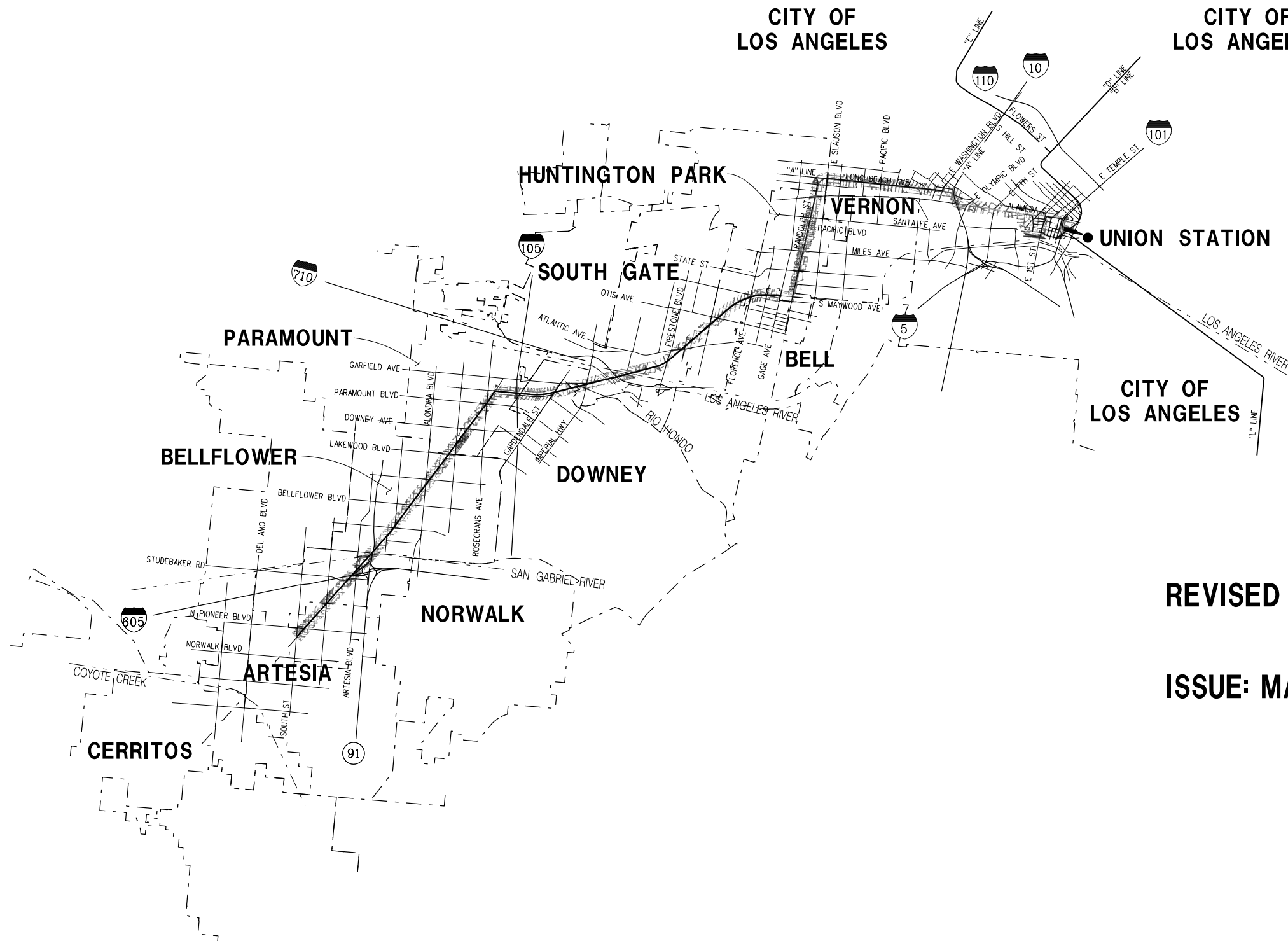
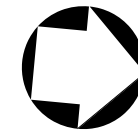
If you experience difficulty accessing the information in this document,  
please contact: Phone (213) 922-6262 or email [sgl@metro.net](mailto:sgl@metro.net)



E-28091AG01.plt  
Plot Driver-MTA-half.pen  
Pentable-bw.plt  
wsppw14-pw-svc21:21  
16-FEB-2024

CITY OF  
LOS ANGELES

CITY OF  
LOS ANGELES



REVISED FINAL ACE ALIGNMENT DESIGN

ISSUE: MARCH 2024

NOT FOR CONSTRUCTION

# WEST SANTA ANA BRANCH TRANSIT CORRIDOR PROJECT

515 Figueroa Street  
Suite 1400  
Los Angeles, CA 90071  
TEL (213) 362-9470



LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY



# INDEX OF DRAWINGS

SHT NO	DWG NO	DWG TITLE
<b>GENERAL</b>		
1	G-002	GENERAL INDEX OF DRAWINGS
2	G-003	GENERAL LOCALLY PREFERRED ALTERNATIVE KEY MAP
3	G-004	GENERAL LOCALLY PREFERRED ALTERNATIVE ABBREVIATIONS
4	W-101	SURVEY PROJECT MAPPING CONTROL SURVEY CONTROL PLAN
<b>TRACK WORK</b>		
5	T-101	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 651+50 TO STA 655+75
6	T-102	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 655+75 TO STA 665+50
7	T-103	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 665+50 TO STA 675+00
8	T-104	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 675+00 TO STA 684+50
9	T-105	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 684+50 TO STA 690+50
10	T-106	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 690+50 TO STA 699+50
11	T-107	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 669+50 TO STA 709+25
12	T-108	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 709+25 TO STA 719+75
13	T-109	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 719+75 TO STA 730+00
14	T-110	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 730+00 TO STA 740+00
15	T-111	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 740+00 TO STA 750+00
16	T-112	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 750+00 TO STA 760+00
17	T-113	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 760+00 TO STA 769+50
18	T-114	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 769+50 TO STA 780+00
19	T-115	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 780+00 TO STA 789+50
20	T-116	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 789+50 TO STA 800+00
21	T-201	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 800+00 TO STA 809+50
22	T-202	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 809+50 TO STA 818+50
23	T-203	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 818+50 TO STA 827+50
24	T-204	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 827+50 TO STA 837+50
25	T-205	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 837+50 TO STA 846+50
26	T-206	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 846+50 TO STA 856+50
27	T-207	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 856+50 TO STA 865+50
28	T-208	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 865+50 TO STA 875+50
29	T-209	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 875+50 TO STA 883+50
30	T-210	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 883+50 TO STA 892+50
31	T-211	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 892+50 TO STA 900+50
32	T-212	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 900+50 TO STA 910+50
33	T-213	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 910+50 TO STA 920+50
34	T-214	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 920+50 TO STA 930+50
35	T-215	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 930+50 TO STA 939+50
36	T-216	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 939+50 TO STA 948+50
37	T-217	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 948+50 TO STA 958+50
38	T-218	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 958+50 TO STA 968+50
39	T-219	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 968+50 TO STA 978+50
40	T-220	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 978+50 TO STA 988+50
41	T-221	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 988+50 TO STA 998+50
42	T-222	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 998+50 TO STA 1008+50
43	T-223	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1008+50 TO STA 1018+50
44	T-224	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1018+50 TO STA 1028+50
45	T-225	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1028+50 TO STA 1038+50
46	T-226	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1038+50 TO STA 1045+50
47	T-227	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1045+50 TO STA 1055+50
48	T-228	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1055+50 TO STA 1064+50
49	T-229	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1064+50 TO STA 1074+50
50	T-230	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1074+50 TO STA 1084+50
51	T-231	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1084+50 TO STA 1094+50
52	T-232	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1094+50 TO STA 1104+50
53	T-233	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1104+50 TO STA 1111+50

SHT NO	DWG NO	DWG TITLE
<b>TRACKWORK CONT.</b>		
54	T-234	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1111+50 TO STA 1121+50
55	T-235	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1121+50 TO STA 1130+50
56	T-236	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1130+50 TO STA 1140+50
57	T-237	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1140+50 TO STA 1150+50
58	T-238	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1150+50 TO STA 1160+50
59	T-239	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1160+50 TO STA 1170+50
60	T-240	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1170+50 TO STA 1180+50
61	T-241	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1180+50 TO STA 1190+50
62	T-242	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1190+50 TO STA 1200+50
63	T-243	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1200+50 TO STA 1210+50
64	T-244	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1210+50 TO STA 1220+50
65	T-245	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1220+50 TO STA 1230+50
66	T-246	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1230+50 TO STA 1240+50
67	T-247	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1240+50 TO STA 1250+50
68	T-248	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1250+50 TO STA 1260+50
69	T-249	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1260+50 TO STA 1270+50
70	T-250	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1270+50 TO STA 1280+50
71	T-251	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1280+50 TO STA 1290+50
72	T-252	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1290+50 TO STA 1300+50
73	T-253	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1300+50 TO STA 1310+50
74	T-254	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1310+50 TO STA 1320+50
75	T-255	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1320+50 TO STA 1329+50
76	T-256	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1329+50 TO STA 1339+50
77	T-257	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1339+50 TO STA 1349+50
78	T-258	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1349+50 TO STA 1359+50
79	T-259	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1359+50 TO STA 1369+50
80	T-260	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1369+50 TO STA 1379+50
81	T-261	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1379+50 TO STA 1389+50
82	T-262	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1389+50 TO STA 1399+50
83	T-263	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1399+50 TO STA 1409+50
84	T-264	TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1409+50 TO STA 1418+00
85	T-265	TRACK ALIGNMENT OPTION 1 PLAN & PROFILE STA 1379+50 TO STA 1389+50
86	T-266	TRACK ALIGNMENT OPTION 1 PLAN & PROFILE STA 1389+50 TO STA 1399+50
87	T-267	TRACK ALIGNMENT OPTION 1 PLAN & PROFILE STA 1399+50 TO STA 1409+50
88	T-268	TRACK ALIGNMENT OPTION 1 PLAN & PROFILE STA 1409+50 TO STA 1418+00
89	T-269	TRACK ALIGNMENT C LINE PLAN & PROFILE STA 10+00 TO STA 18+50
90	T-270	TRACK ALIGNMENT C LINE PLAN & PROFILE STA 18+50 TO STA 26+50
91	T-271	TRACK ALIGNMENT C LINE PLAN & PROFILE STA 26+50 TO STA 34+04
92	T-272	PEDESTRIAN TUNNEL PARAMOUNT PLAN & PROFILE STA 1+00 TO STA 3+00


SHT NO	DWG NO	DWG TITLE
<b>TYPICAL SECTIONS</b>		
93	TX-101	TYPICAL SECTIONS LOCALLY PREFERRED ALTERNATIVE
94	TX-102	TYPICAL SECTIONS LOCALLY PREFERRED ALTERNATIVE
95	TX-103	TYPICAL SECTIONS LOCALLY PREFERRED ALTERNATIVE
96	TX-104	TYPICAL SECTIONS LOCALLY PREFERRED ALTERNATIVE
97	TX-105	TYPICAL SECTIONS LOCALLY PREFERRED ALTERNATIVE
98	TX-201	TYPICAL SECTIONS LOCALLY PREFERRED ALTERNATIVE
99	TX-202	TYPICAL SECTIONS LOCALLY PREFERRED ALTERNATIVE
100	TX-203	TYPICAL SECTIONS LOCALLY PREFERRED ALTERNATIVE
101	TX-204	TYPICAL SECTIONS LOCALLY PREFERRED ALTERNATIVE
102	TX-205	TYPICAL SECTIONS LOCALLY PREFERRED ALTERNATIVE
103	TX-206	TYPICAL SECTIONS LOCALLY PREFERRED ALTERNATIVE
104	TX-207	TYPICAL SECTIONS LOCALLY PREFERRED ALTERNATIVE
105	TX-208	TYPICAL SECTIONS LOCALLY PREFERRED ALTERNATIVE
106	TX-209	TYPICAL SECTIONS LOCALLY PREFERRED ALTERNATIVE
107	TX-210	TYPICAL SECTIONS C LINE

15-DEC-2023 E-28091AG02.plg

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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.						
3	4/7/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY CB
DRAWN BY NM
CHECKED BY RM
IN CHARGE RL
DATE 4/7/2023



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

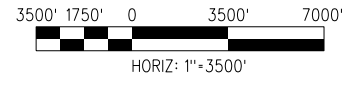
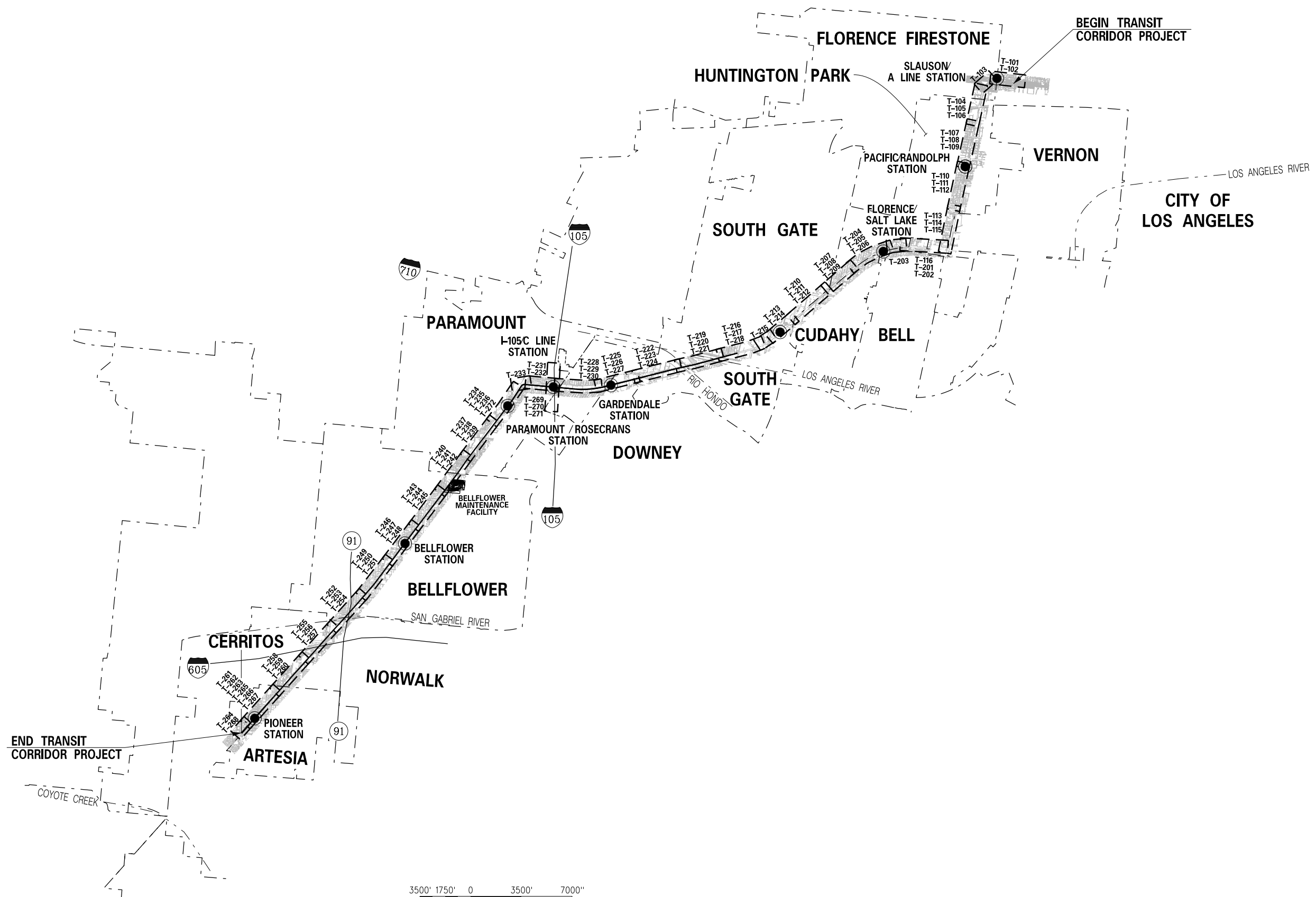
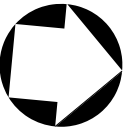
**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT**

**GENERAL**

**INDEX OF DRAWINGS**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>G-002</b>	REV
SCALE	
SHEET NO <b>1</b>	OF <b>107</b>



**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY RM
DRAWN BY RM
CHECKED BY SJ
IN CHARGE RL
DATE 4/7/2023

**Metro**

**LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY**

515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED: \_\_\_\_\_

APPROVED: \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
GENERAL  
ALTERNATIVE SEGMENTS  
KEY MAP**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>G-003</b>	REV
SCALE 1" = 3500'	
SHEET NO <b>2</b>	OF <b>107</b>

15-DEC-2023 E-28091AG03.plg

## 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 ENCR OACH 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,  
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. SEE RESPECTIVE FREIGHT, GRADE CROSSING, AND STATION DESIGN DRAWINGS FOR MORE DETAILS.
9. ALL RAILROAD SPURS SHOWN FOR REALIGNMENT NEED CONFIRMATION FROM RAILROAD.
10. EXISTING PROPERTY LINES ARE APPROXIMATE.
11. SOUNDWALL LOCATIONS ARE SUBJECT TO CHANGE PENDING UPDATED NOISE ANALYSES; UPDATED LOCATIONS WILL BE REFLECTED ON PLANS IN NEXT SUBMITTAL. THE PRIVACY BARRIERS IDENTIFIED AS A NEW PROJECT MEASURE WILL BE ADDED TO PLANS IN NEXT SUBMITTAL.
12. DESIGN OF THE PROJECT WILL COMPLY WITH APPLICABLE STATE, LOCAL, AND CITY CODE REQUIREMENTS. COORDINATION WITH INDIVIDUAL AGENCIES AND JURISDICTIONS WILL CONTINUE THROUGHOUT DESIGN REGARDING CHANGES OR ANY EXCEPTIONS TO CODES.

## SYMBOLOLOGY LEGEND

	PROPOSED RETAINING WALL
	PROPOSED FENCE LINE
	PROPOSED SOUND WALL
	PROPOSED PRIVACY SCREENING
	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

**NOT FOR CONSTRUCTION**

wsppw14-pw-svc 18:51  
 15-DEC-2023 B-28091AG04.plg  
 Plot Driver=MTA-half.pen

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	DESCRIPTION
3	4/7/2023					REVISED FINAL ACE SUBMITTAL
						SEAL HOLDER

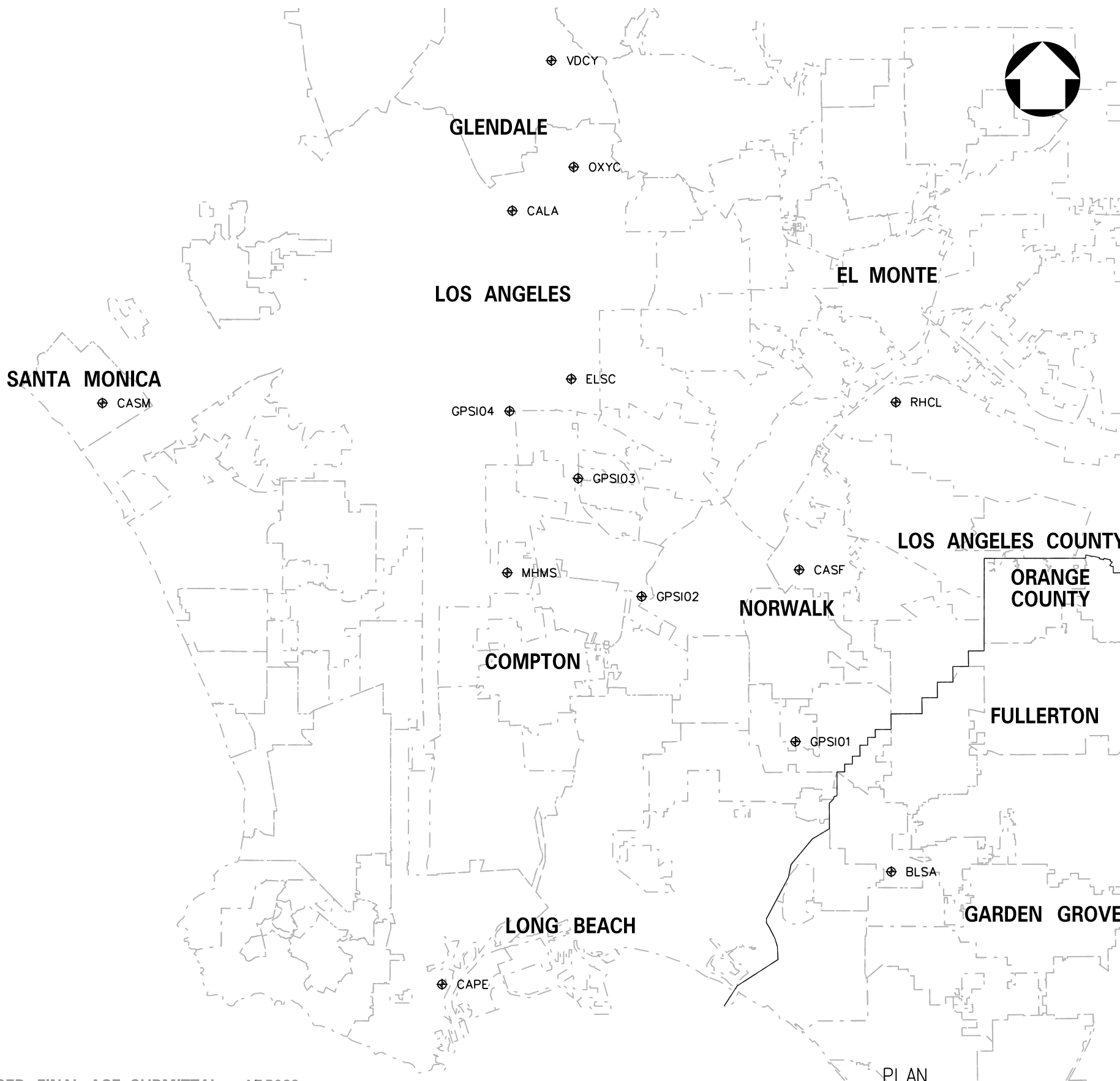
DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED _____
APPROVED _____

<b>WEST SANTA ANA BRANCH LRT GENERAL</b>	
ABBREVIATIONS	
CONTRACT NO. <b>AE5999300</b>	REV <b>1</b>
DRAWING NO. <b>G-004</b>	SCALE NO SCALE
SHEET NO. <b>3</b>	OF <b>107</b>



**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"

15-DEC-2023 E-28091AW101.plg

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**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

DESIGNED BY	CF
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	4/7/2023
3	4/7/2023
REVISED FINAL ACE SUBMITTAL	

DESIGNED BY	CF
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	4/7/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

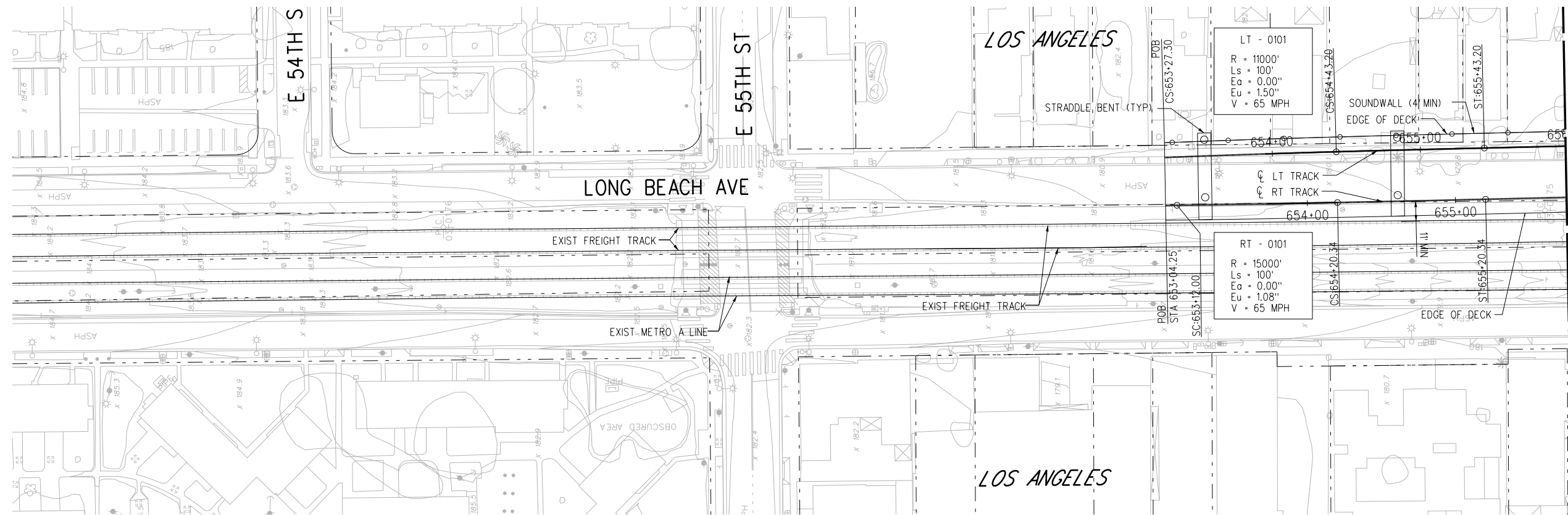
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT PROJECT MAPPING CONTROL SURVEY CONTROL PLAN**

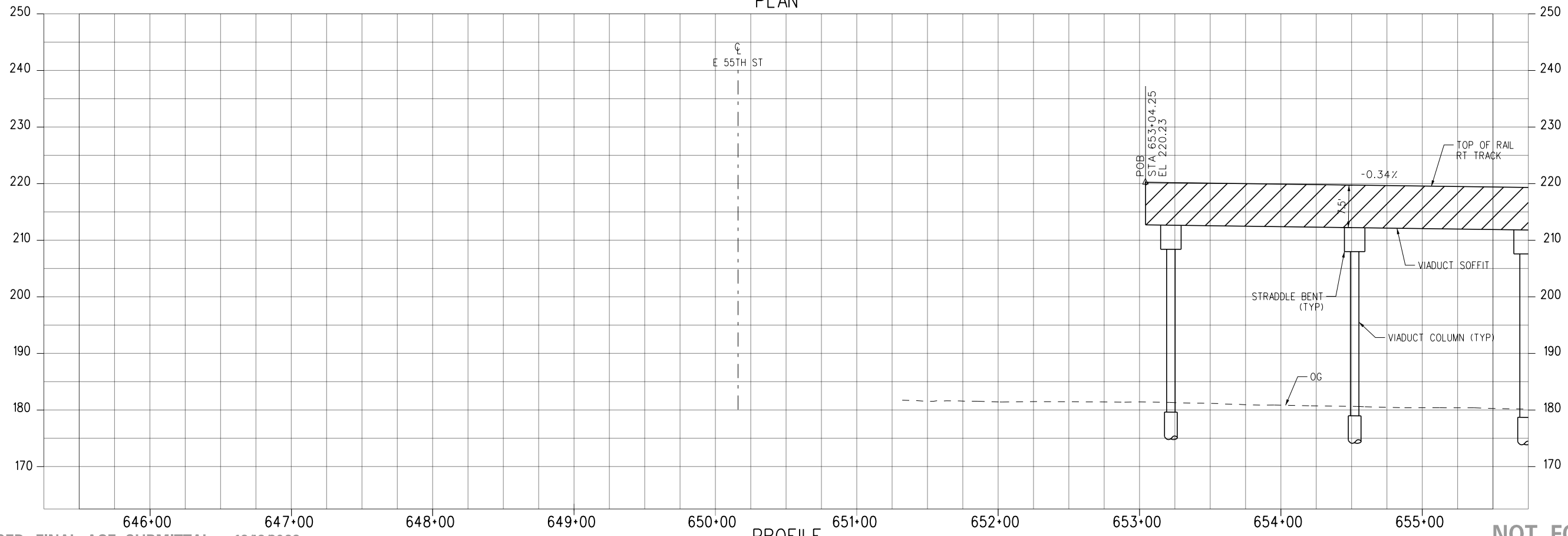
CONTRACT NO	AE5999300
DRAWING NO	W-101
SCALE	1"=10000'
SHEET NO	4 OF 107

**NOT FOR CONSTRUCTION**

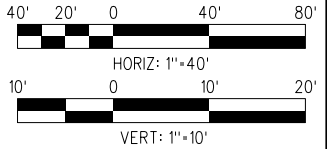
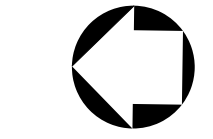




PLAN



PROFILE




**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT101.plg


REVISED FINAL ACE SUBMITTAL - 12/12/2023

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
4	12/12/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY JS
DRAWN BY HX
CHECKED BY SM
IN CHARGE RL
DATE 12/12/2023



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**



515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

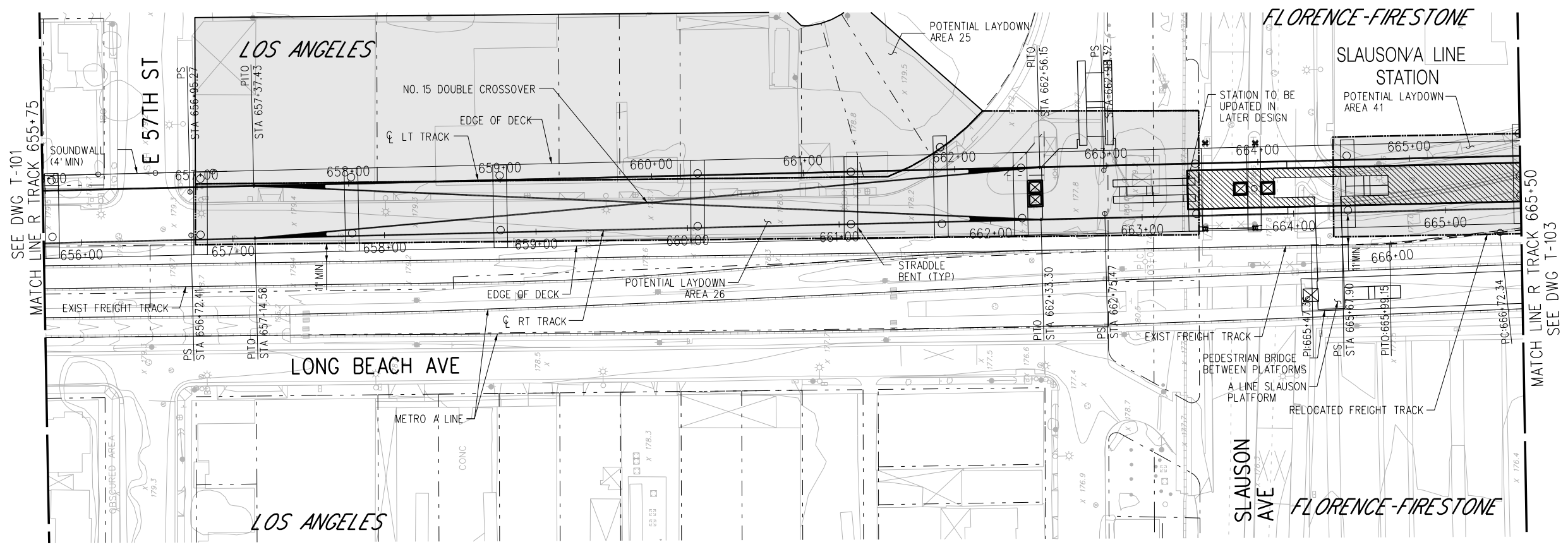
**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**

**LOCALLY PREFERRED ALTERNATIVE**

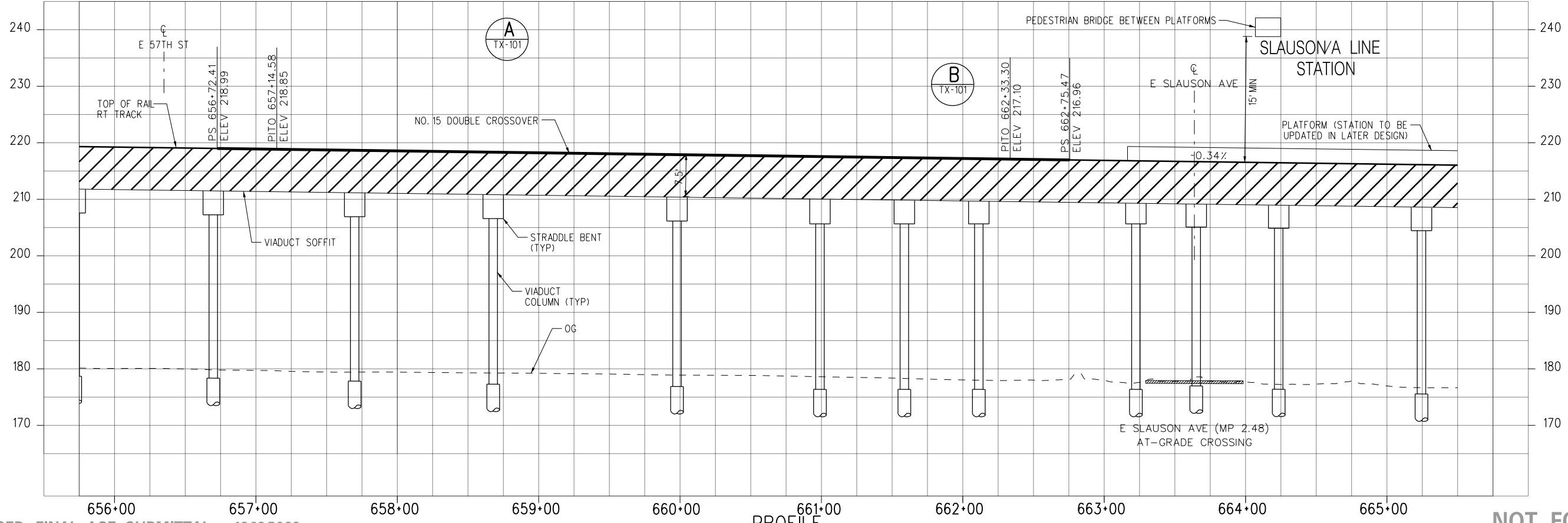
**PLAN & PROFILE**

**STA 651+50 TO STA 655+75**

CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>T-101</b>	
SCALE <b>HORIZ: 1"=40' VERT: 1"=10'</b>	
SHEET NO. <b>5</b>	OF 107

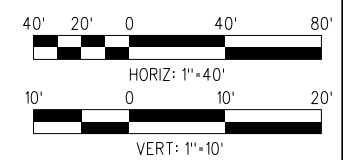
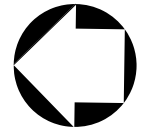


PLAN



PROFILE

- 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.
  3. COMMUNICATION ROOM IS LOCATED WITHIN STRUCTURE.




**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT102.plg

REVISED FINAL ACE SUBMITTAL - 12/12/2023

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
4	12/12/2023					
REVISIONS						DESCRIPTION
REVISED FINAL ACE SUBMITTAL						

DESIGNED BY JS
DRAWN BY HX
CHECKED BY SM
IN CHARGE RL
DATE 12/12/2023



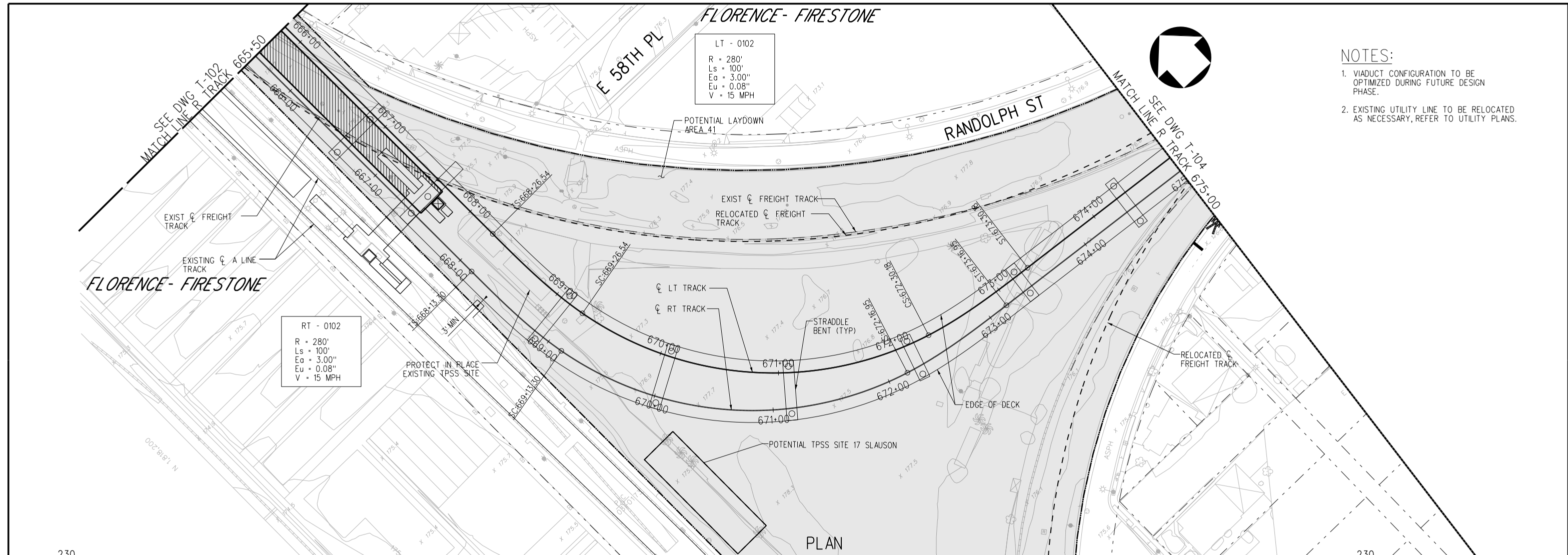
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**



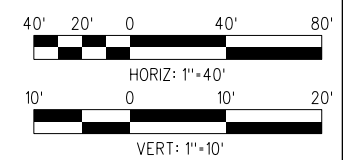
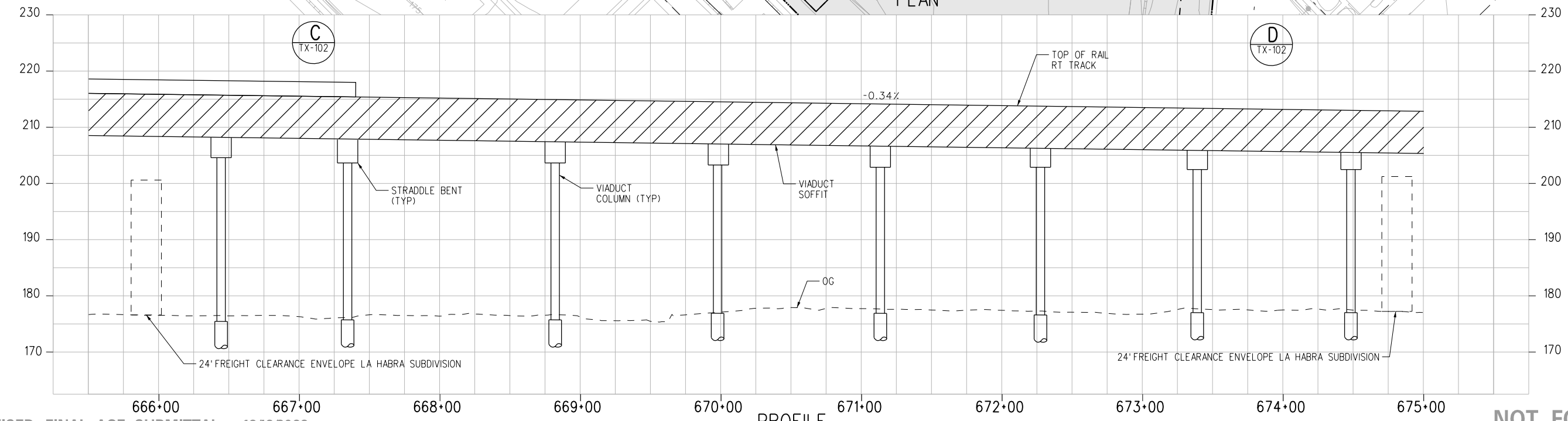
515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

<p><b>WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT</b>  <b>LOCALLY PREFERRED ALTERNATIVE</b>  <b>PLAN &amp; PROFILE</b>  <b>STA 655+75 TO STA 665+50</b></p>		<p>CONTRACT NO. <b>AE5999300</b></p> <p>DRAWING NO. <b>T-102</b></p> <p>SCALE <b>HORIZ: 1"=40'</b> <b>VERT: 1"=10'</b></p> <p>SHEET NO. <b>6 OF 107</b></p>
---	--	---



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



REVISED FINAL ACE SUBMITTAL - 12/12/2023

**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
4	12/12/2023					REVISOR
						DESCRIPTION
						REVISOR

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	SM
IN CHARGE	RL
DATE	12/12/2023

**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

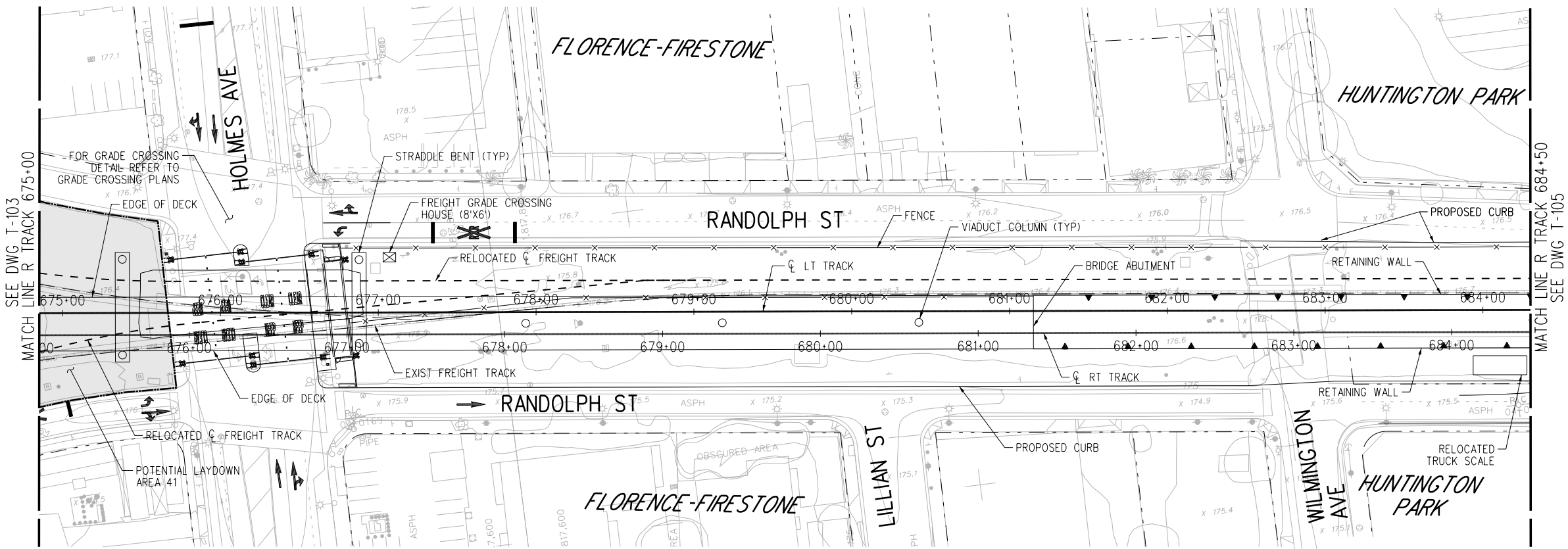
**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

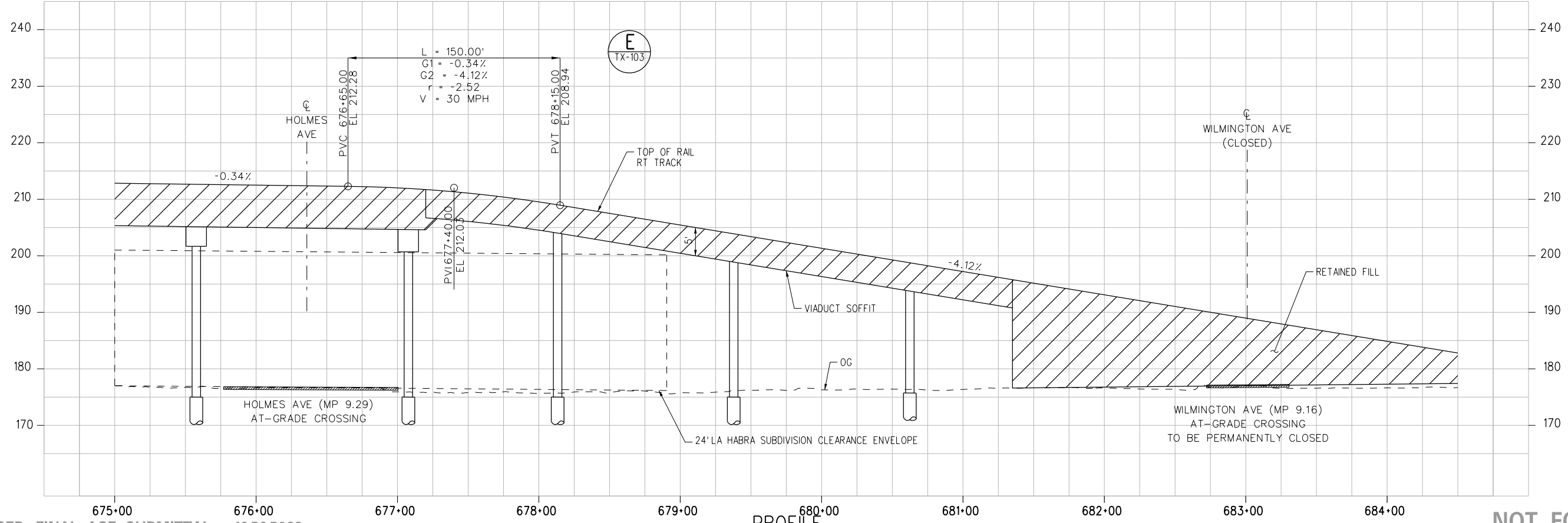
**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 665+50 TO STA 675+00**

CONTRACT NO. **AE5999300**  
 DRAWING NO. **T-103** REV \_\_\_\_\_  
 SCALE **HORIZ: 1"=40'**  
**VERT: 1"=10'**  
 SHEET NO. **7** OF **107**

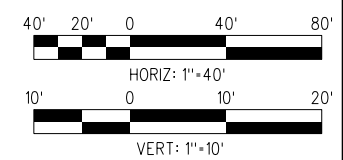
20-DEC-2023 E-28091AT103.plg



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT104.plg

REVISED FINAL ACE SUBMITTAL - 10/20/2023

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
4	10/20/2023					REVISED FINAL ACE SUBMITTAL
						SEAL HOLDER

DESIGNED BY JS
DRAWN BY HX
CHECKED BY SM
IN CHARGE RL
DATE 10/20/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

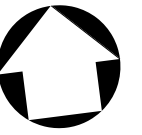
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

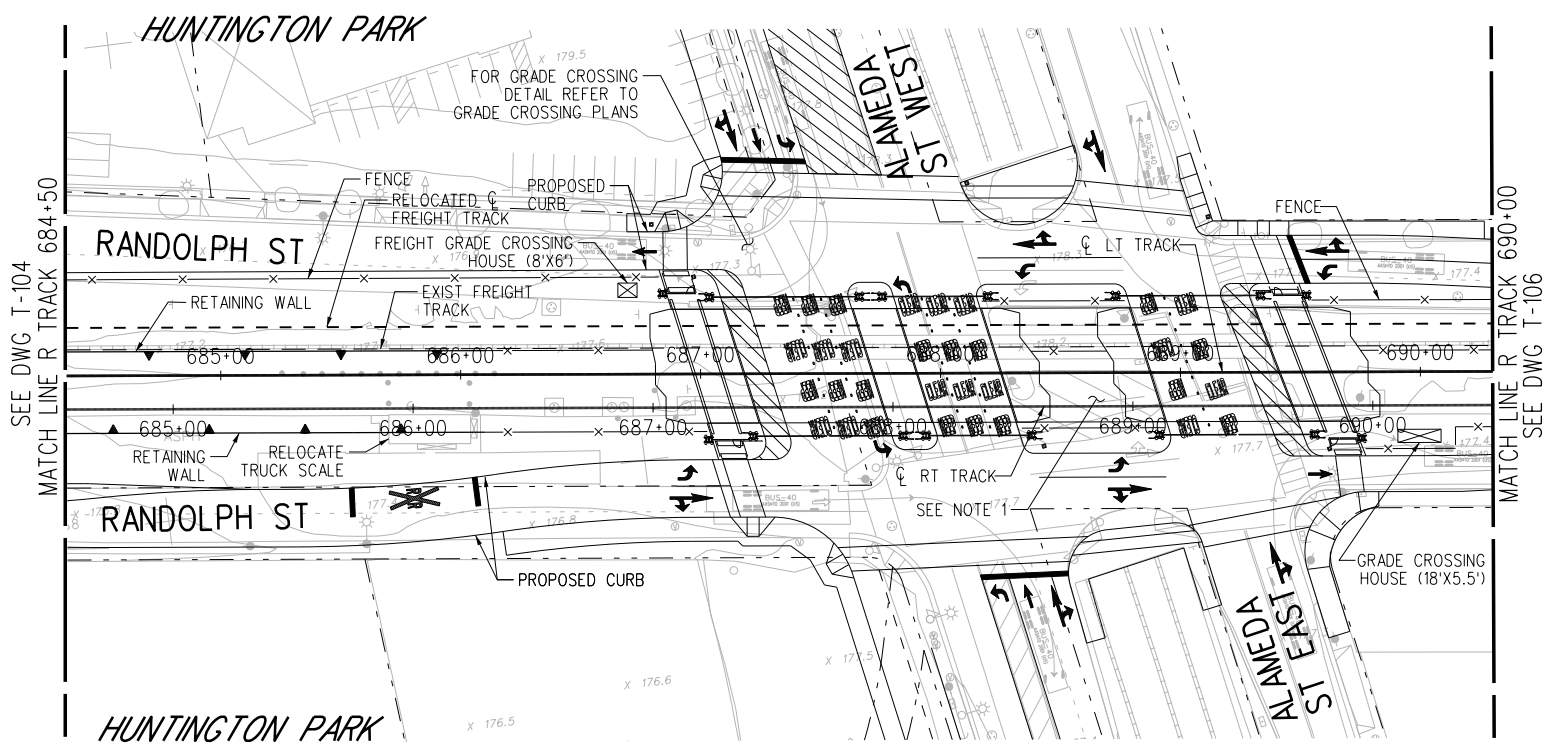
**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 675+00 TO STA 684+50**

CONTRACT NO. <b>AE5999300</b>
DRAWING NO. <b>T-104</b>
SCALE HORIZ: 1"=40' VERT: 1"=10'
SHEET NO. <b>8</b> OF <b>107</b>

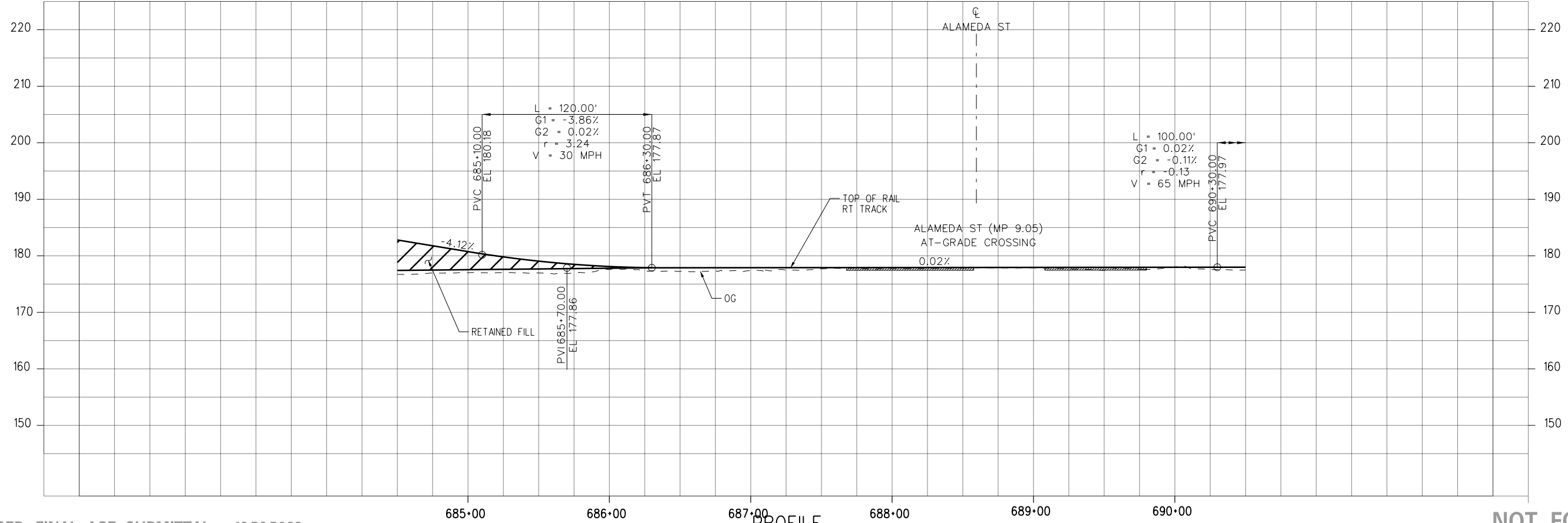




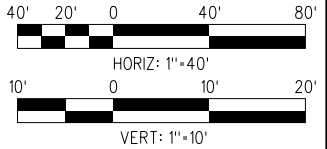
**NOTE:**  
 1. EXISTING BRIDGE TO BE EVALUATED FOR STRAY CURRENT PROTECTION IN FUTURE DESIGN PHASE.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT105.plg

REVISED FINAL ACE SUBMITTAL - 10/20/2023

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
4	10/20/2023					
REVISOR'S DESCRIPTION						DESCRIPTION
REVISED FINAL ACE SUBMITTAL						REVISED FINAL ACE SUBMITTAL

DESIGNED BY JS
DRAWN BY HX
CHECKED BY SM
IN CHARGE RL
DATE 10/20/2023

**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

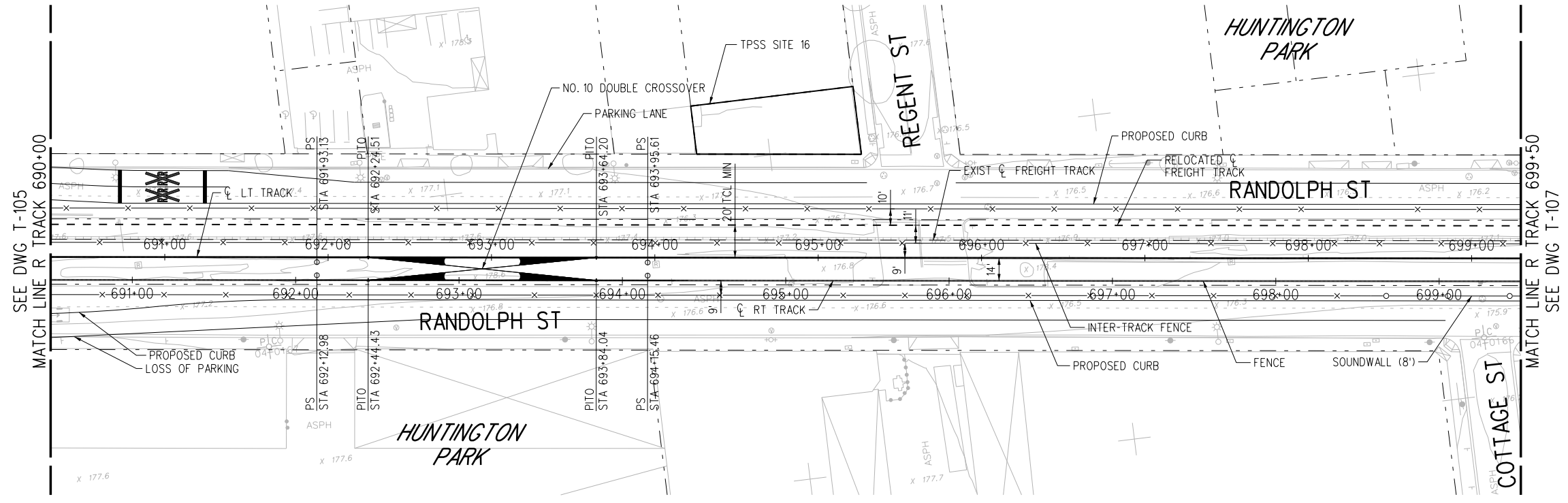
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 684+50 TO STA 690+50

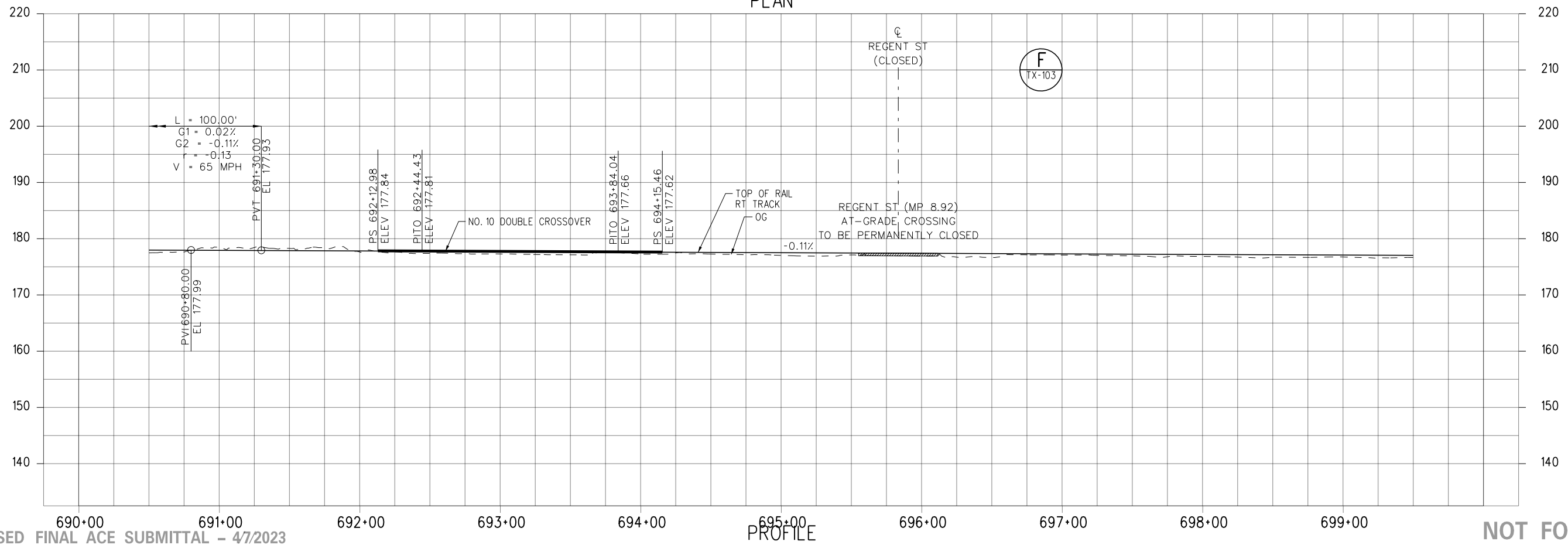
CONTRACT NO. AE5999300
DRAWING NO. T-105
SCALE HOR: 1"=40' VERT: 1"=10'
SHEET NO. 9 OF 107



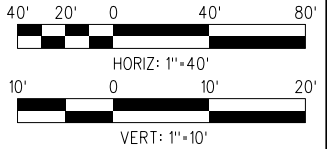
- NOTES:**
1. RANDOLPH ST NARROWED TO ONE LANE BETWEEN GRADE CROSSINGS IN ORDER TO MINIMIZE PARKING LOSS.
  2. REGENT ST WILL BE A RIGHT-IN/RIGHT-OUT.
  3. SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 45" TOP PANEL 150' FROM GRADE CROSSINGS.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT106.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	SM
IN CHARGE	RL
DATE	4/7/2023
DESCRIPTION	REVISED FINAL ACE SUBMITTAL

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**  
 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 690+50 TO STA 699+50

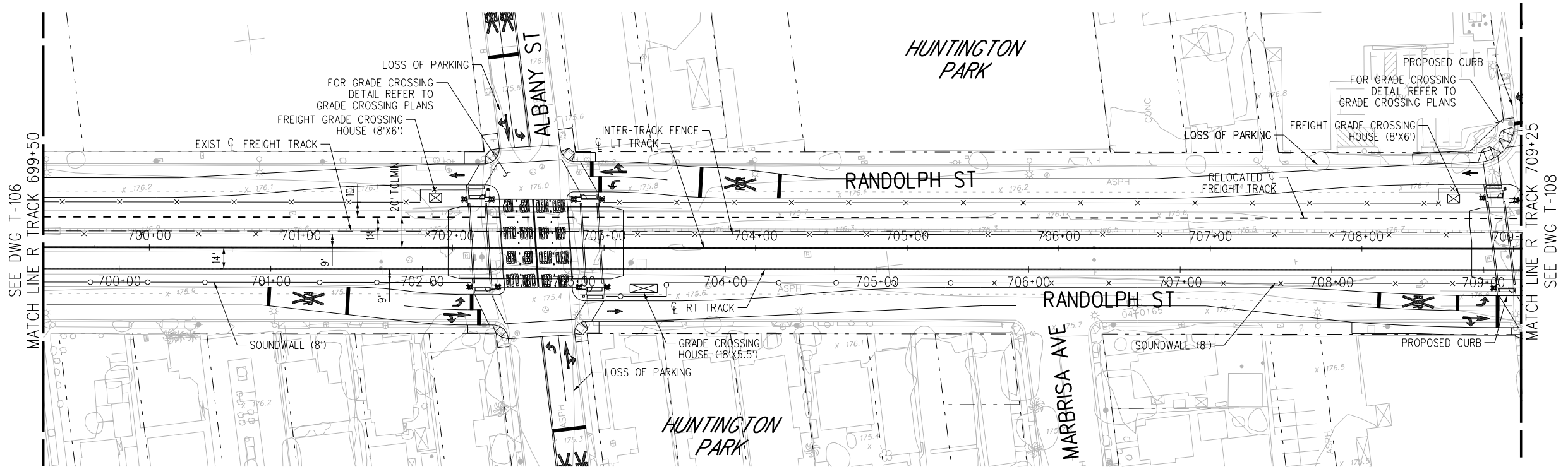
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

CONTRACT NO. **AE5999300**  
 DRAWING NO. **T-106** REV \_\_\_\_\_  
 SCALE **HOR: 1"=40'**  
**VERT: 1"=10'**  
 SHEET NO. **10** OF **107**

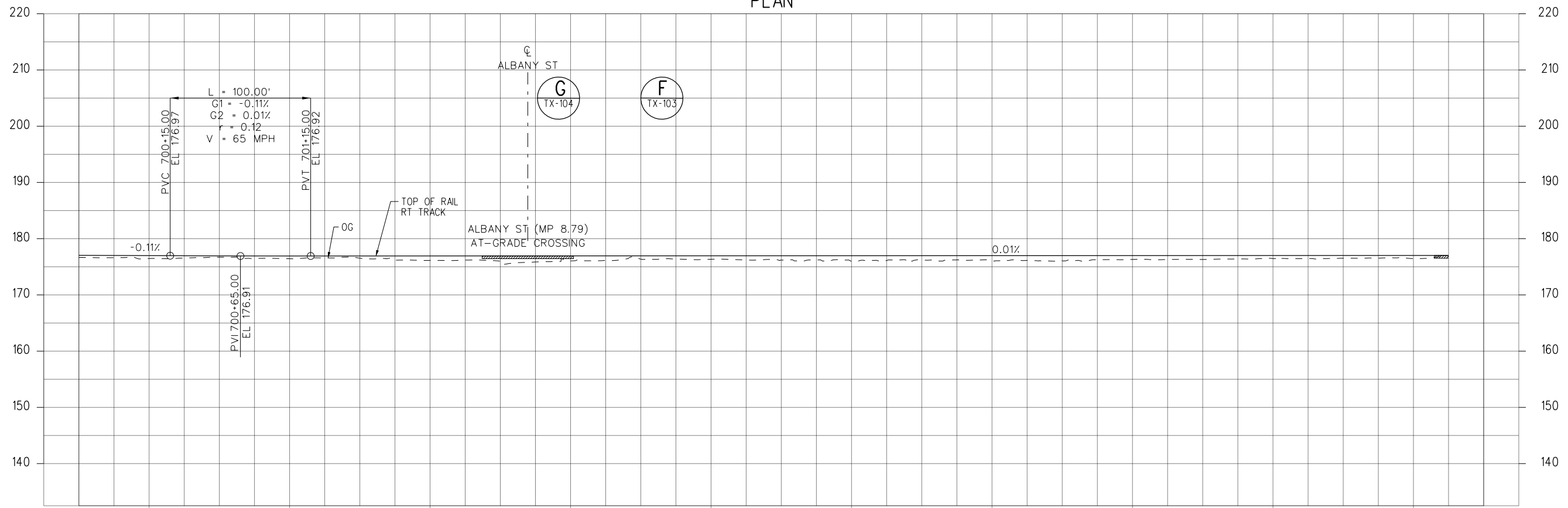


**NOTES:**

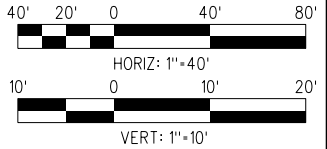
1. RANDOLPH ST NARROWED TO ONE LANE MID-BLOCK BETWEEN GRADE CROSSINGS IN ORDER TO MAINTAIN EXISTING PARKING.
2. ALBANY ST WILL BE A RIGHT-IN/RIGHT-OUT.
3. SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 4'5" TOP PANEL 150' FROM GRADE CROSSINGS.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT107.plg

REVISED FINAL ACE SUBMITTAL - 10/20/2023

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	SM
IN CHARGE	RL
DATE	10/20/2023
DESCRIPTION	REVISED FINAL ACE SUBMITTAL

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
4	10/20/2023						REVISED FINAL ACE SUBMITTAL

**Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

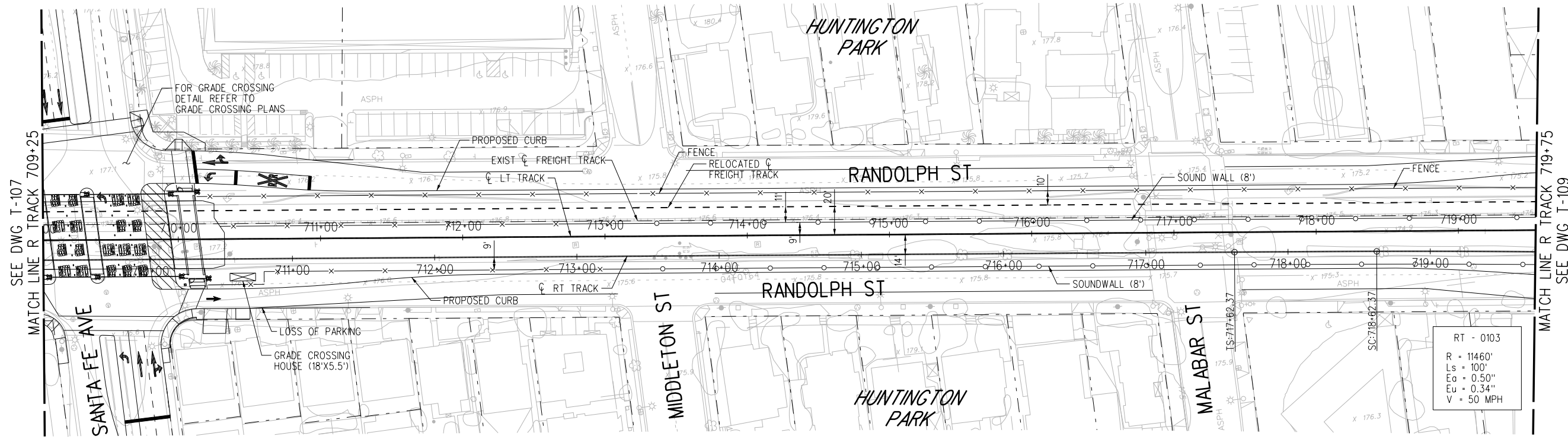
**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 669+50 TO STA 709+25

CONTRACT NO. AE5999300  
 DRAWING NO. T-107  
 SCALE: HORIZ: 1"=40' VERT: 1"=10'  
 SHEET NO. 11 OF 107

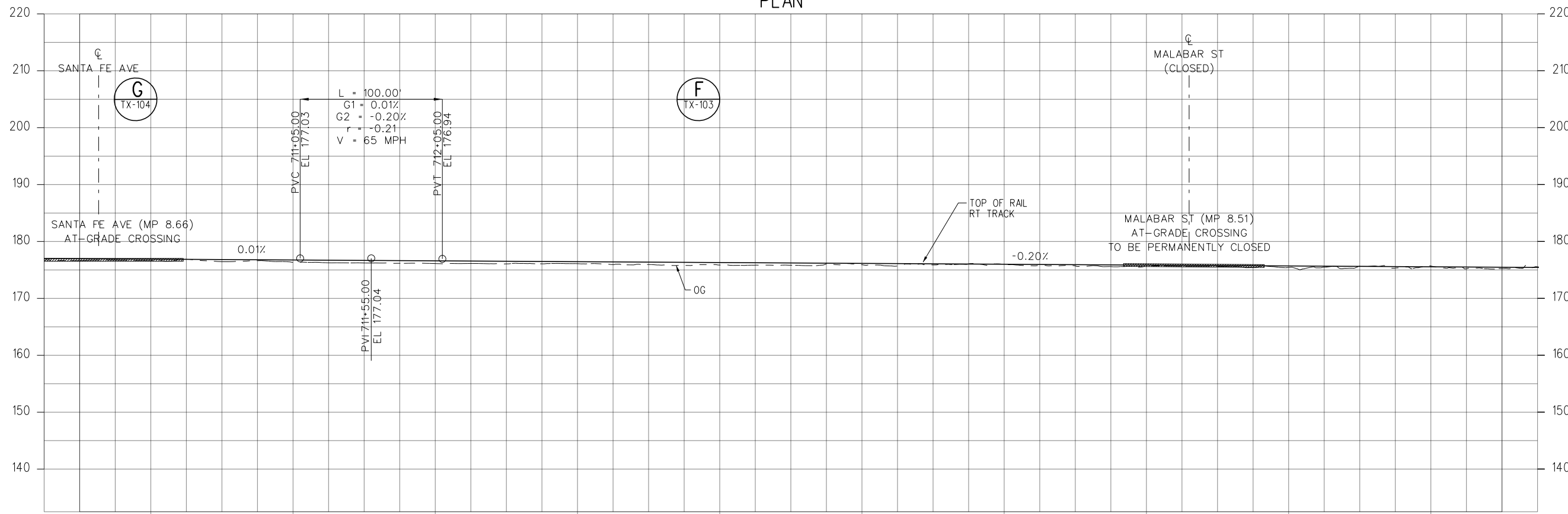


**NOTES:**

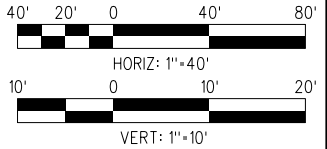
- RANDOLPH ST NARROWED TO ONE LANE MID-BLOCK BETWEEN GRADE CROSSINGS IN ORDER TO MAINTAIN EXISTING PARKING.
- SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 4'5" TOP PANEL 150' FROM GRADE CROSSINGS.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT108.plg

REVISED FINAL ACE SUBMITTAL - 10/20/2023

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REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
4	10/20/2023					REVISED FINAL ACE SUBMITTAL

DESIGNED BY JS
DRAWN BY HX
CHECKED BY SM
IN CHARGE RL
DATE 10/20/2023

**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

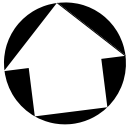
**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE**  
 STA 709+25 TO STA 719+75

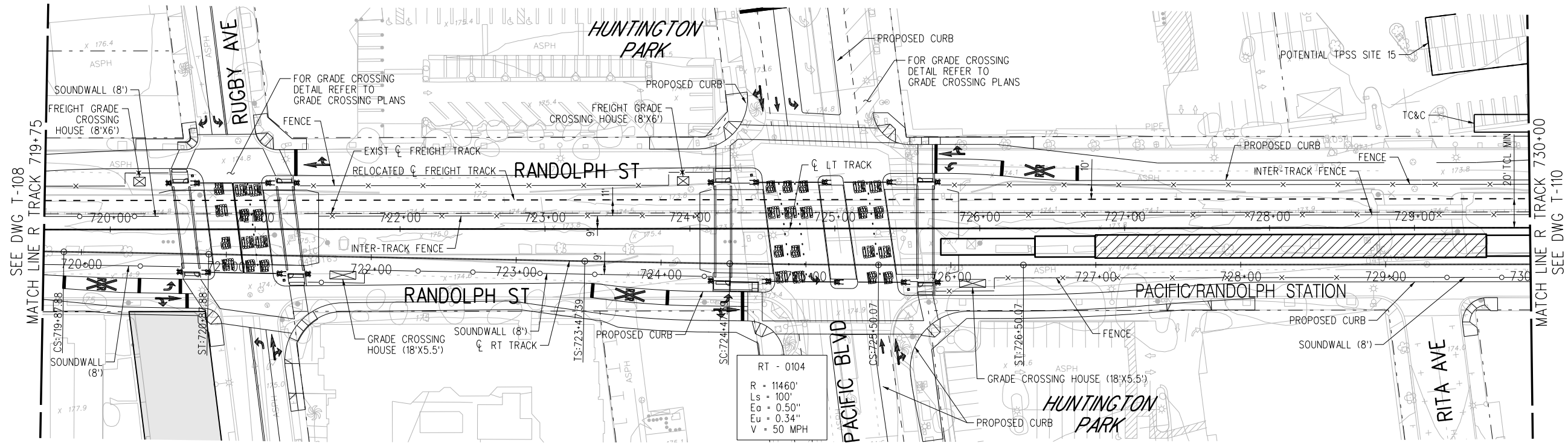
CONTRACT NO. **AE5999300**  
 DRAWING NO. **T-108** REV \_\_\_\_\_  
 SCALE **HOR: 1"=40'**  
**VERT: 1"=10'**  
 SHEET NO. **12** OF **107**



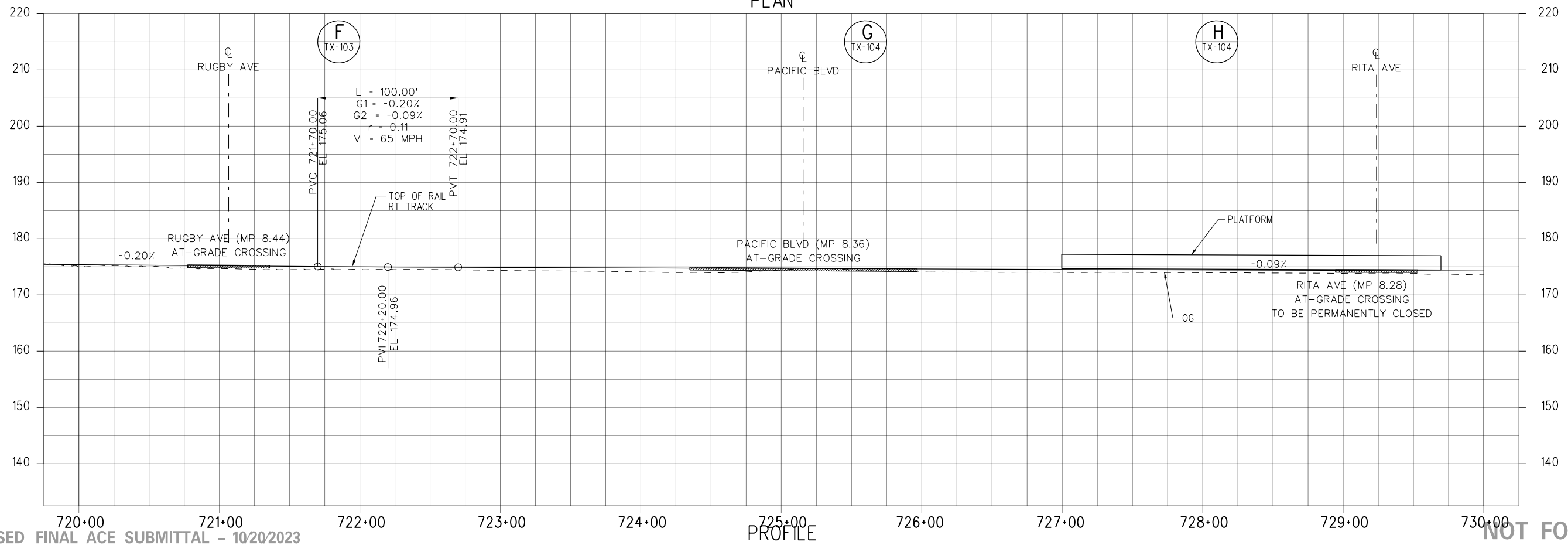


**NOTES:**

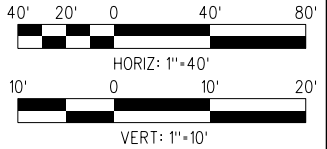
- RANDOLPH ST NARROWED TO ONE LANE MID-BLOCK BETWEEN GRADE CROSSINGS IN ORDER TO MAINTAIN EXISTING PARKING.
- FOR PEDESTRIAN PATH OF TRAVEL REFER TO STATION PLANS.
- SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 4'5" TOP PANEL 150' FROM GRADE CROSSINGS.



**PLAN**



**PROFILE**



**NOT FOR CONSTRUCTION**

20-DEC-2023 E-28091AT109.plg  
wspw14-pw-svc 17:28

REVISED FINAL ACE SUBMITTAL - 10/20/2023

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
4	10/20/2023					
REVISIONS						DESCRIPTION
						REVISED FINAL ACE SUBMITTAL

DESIGNED BY JS
DRAWN BY HX
CHECKED BY SM
IN CHARGE RL
DATE 10/20/2023

**M Metro**

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**

**LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE**

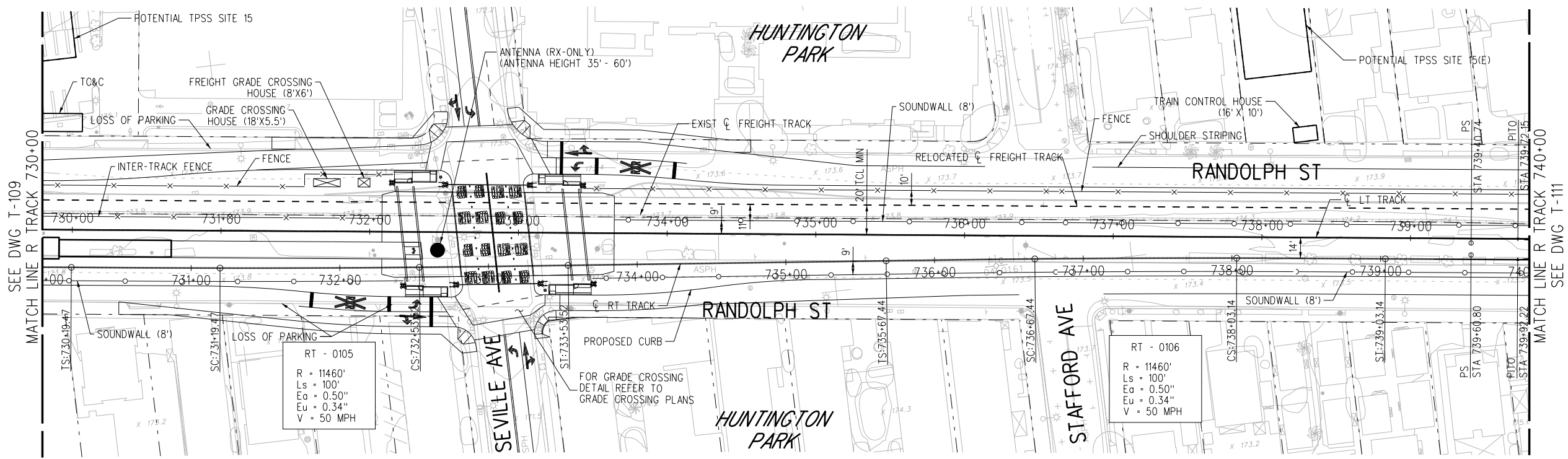
**STA 719+75 TO STA 730+00**

CONTRACT NO. <b>AE5999300</b>	
DRAWING NO. <b>T-109</b>	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO. <b>13</b>	OF 107



**NOTES:**

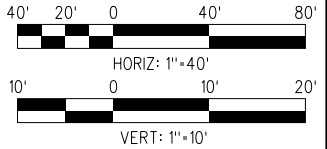
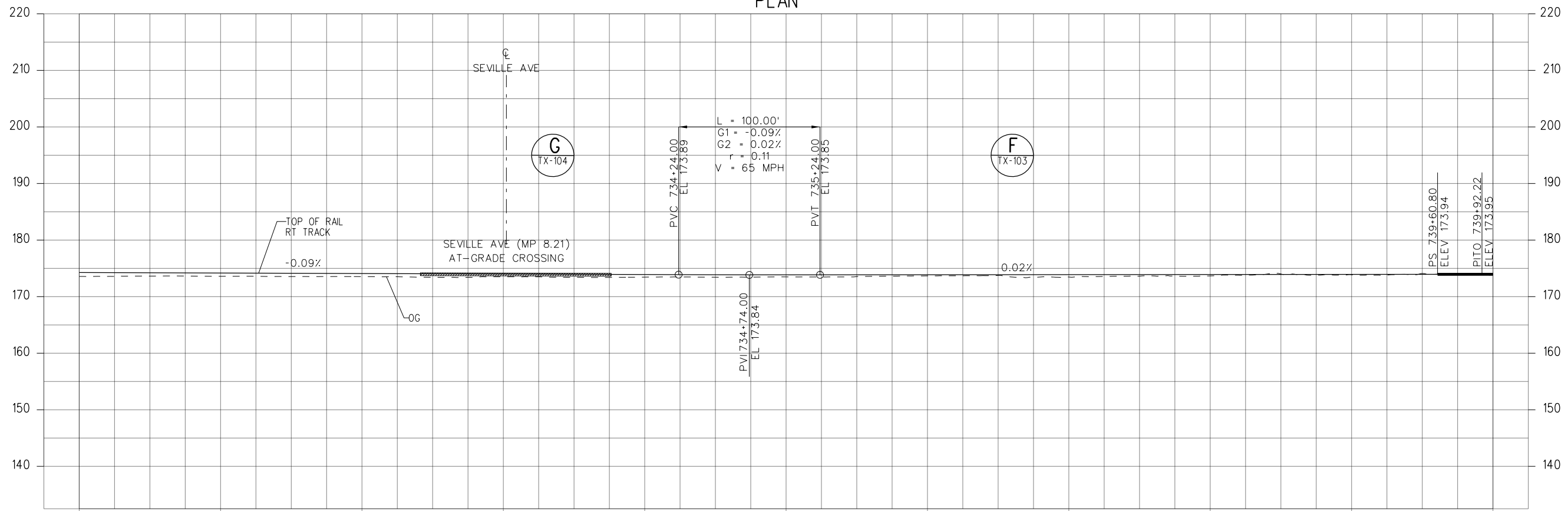
1. STATION EXIT EAST IS TO SEVILLE. SEE STATION PLANS FOR ADDITIONAL DETAILS.
2. RANDOLPH ST NARROWED TO ONE LANE MID-BLOCK BETWEEN GRADE CROSSINGS IN ORDER TO MAINTAIN EXISTING PARKING.
3. SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 4'5" TOP PANEL 150' FROM GRADE CROSSINGS.



RT - 0105  
 R = 11460'  
 Ls = 100'  
 Eo = 0.50"  
 Eu = 0.34"  
 V = 50 MPH

RT - 0106  
 R = 11460'  
 Ls = 100'  
 Eo = 0.50"  
 Eu = 0.34"  
 V = 50 MPH

**PLAN**



REVISED FINAL ACE SUBMITTAL - 10/20/2023

**NOT FOR CONSTRUCTION**

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4	10/20/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY JS
DRAWN BY HX
CHECKED BY SM
IN CHARGE RL
DATE 10/20/2023

**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 730+00 TO STA 740+00

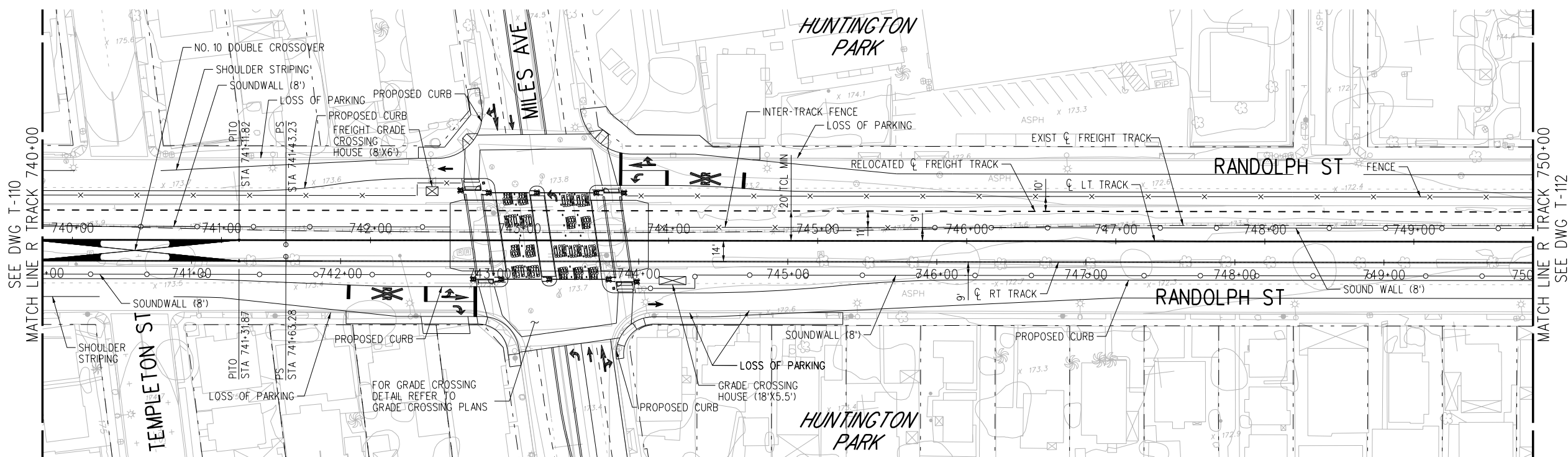
CONTRACT NO. AE5999300  
 DRAWING NO. T-110  
 SCALE: HORIZ: 1"=40' VERT: 1"=10'  
 SHEET NO. 14 OF 107

15-DEC-2023 E-28091AT110.plg  
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 Plot Driver=MTA-half.pen

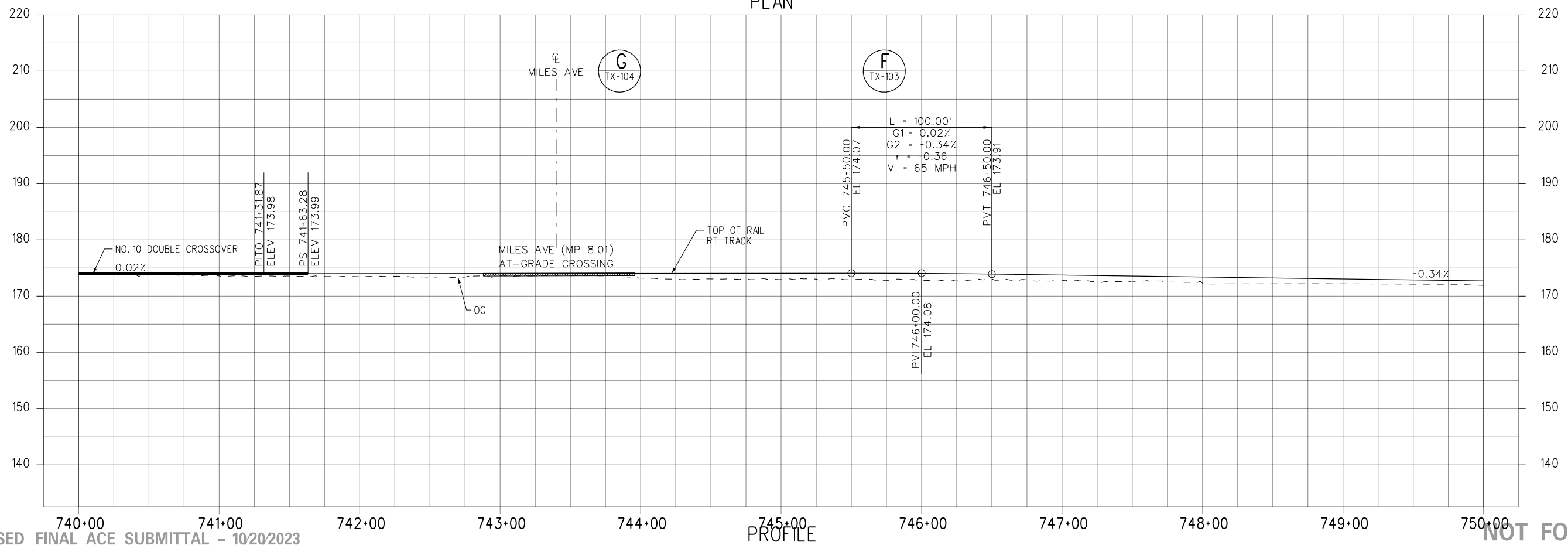


**NOTES:**

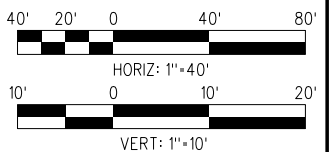
- RANDOLPH ST NARROWED TO ONE LANE MID-BLOCK BETWEEN GRADE CROSSINGS IN ORDER TO MAINTAIN EXISTING PARKING.
- SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 4'5" TOP PANEL 150' FROM GRADE CROSSINGS.



**PLAN**



**PROFILE**



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091A1111.plg

REVISED FINAL ACE SUBMITTAL - 10/20/2023

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	SM
IN CHARGE	RL
DATE	10/20/2023
DESCRIPTION	REVISED FINAL ACE SUBMITTAL

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
4	10/20/2023						REVISED FINAL ACE SUBMITTAL

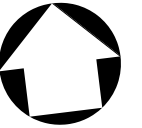
**M** **Metro**  
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

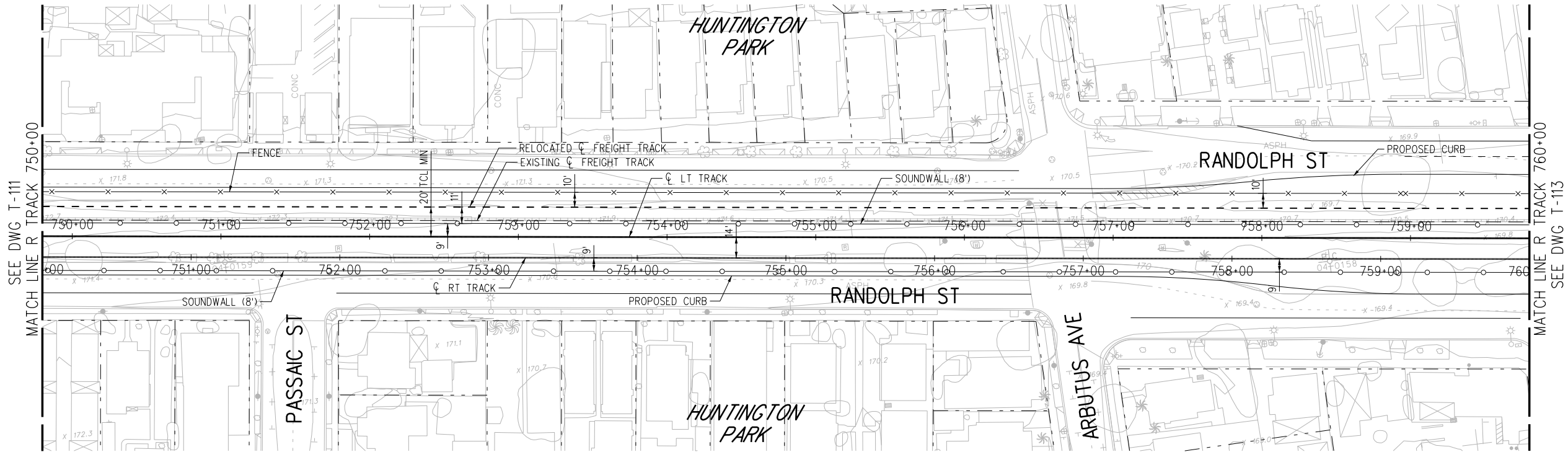
**WEST SANTA ANA BRANCH LRT  
TRACK ALIGNMENT  
LOCALLY PREFERRED ALTERNATIVE  
PLAN & PROFILE  
STA 740+00 TO STA 750+00**

CONTRACT NO.	AE5999300
DRAWING NO.	T-111
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	15 OF 107

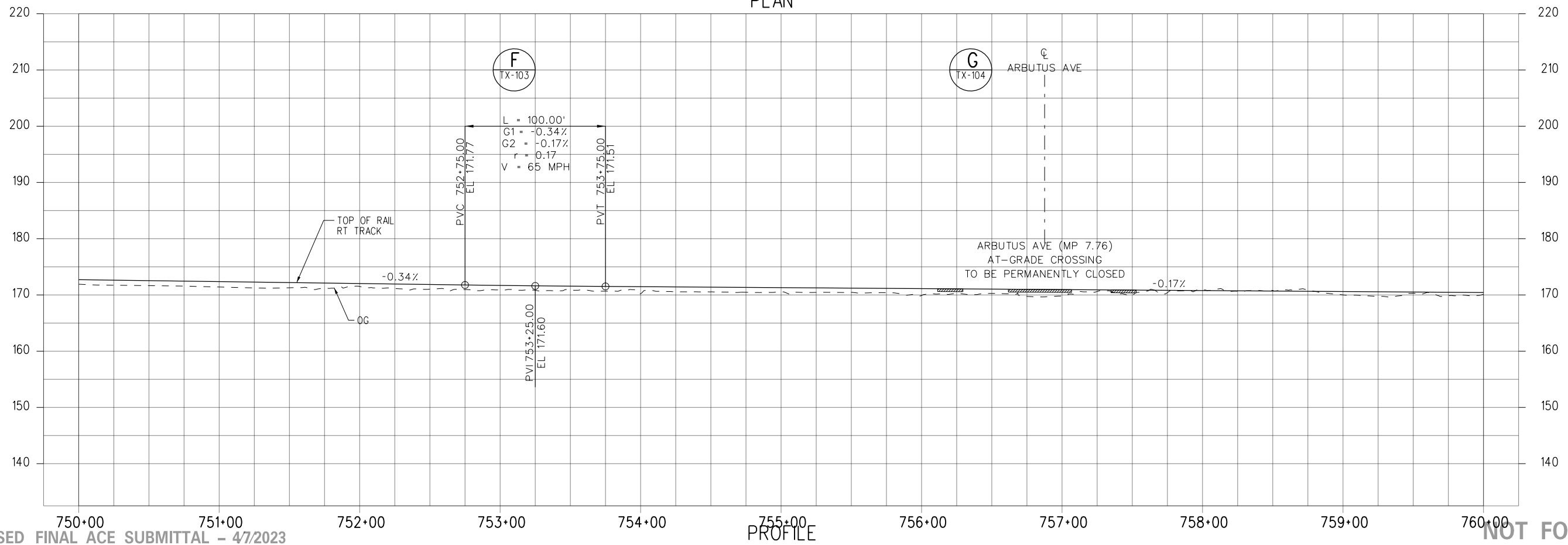


**NOTES:**

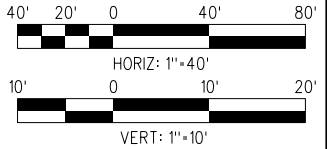
- 1. RANDOLPH ST NARROWED TO ONE LANE MID-BLOCK BETWEEN GRADE CROSSINGS IN ORDER TO MAINTAIN EXISTING PARKING.
- 2. SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 4'5" TOP PANEL 150' FROM GRADE CROSSINGS.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091A112.plg  
wsppw14-pw-svc 02:23

REVISED FINAL ACE SUBMITTAL - 47/2023

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	JS	DATE	4/7/2023	BY		DESCRIPTION
DRAWN BY	HX	REV	3	APP		REVISED FINAL ACE SUBMITTAL
CHECKED BY	SM	REG NO.		EXPIRES		
IN CHARGE	RL	SEAL HOLDER				
DATE	4/7/2023					

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	SM
IN CHARGE	RL
DATE	4/7/2023

**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

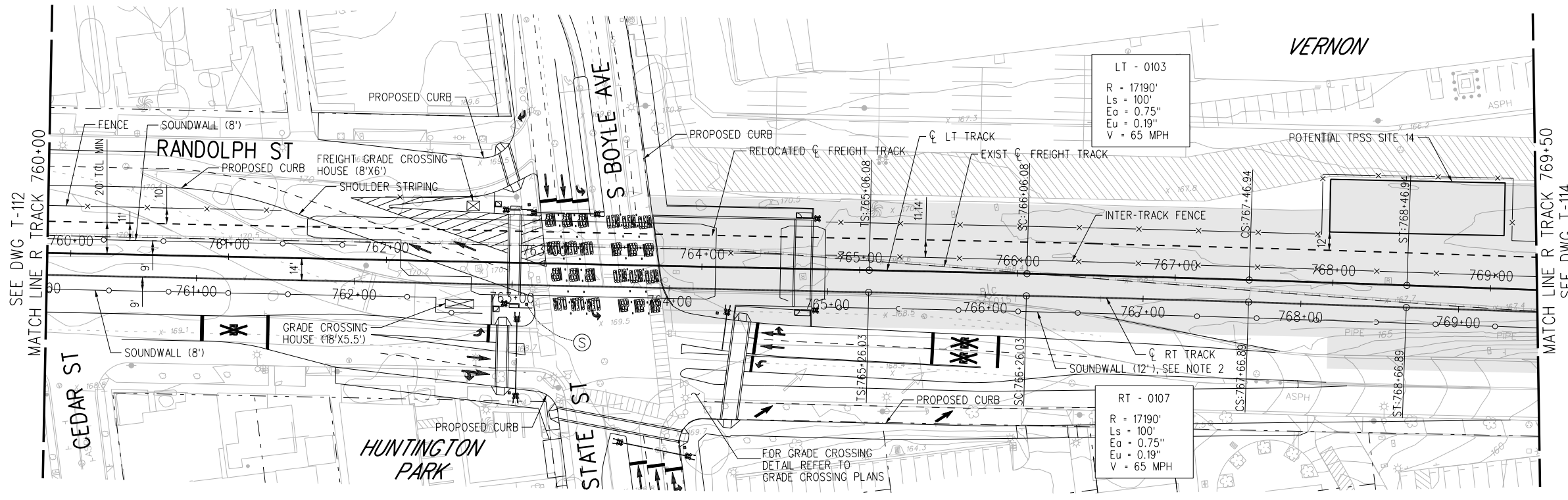
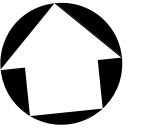
**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 750+00 TO STA 760+00**

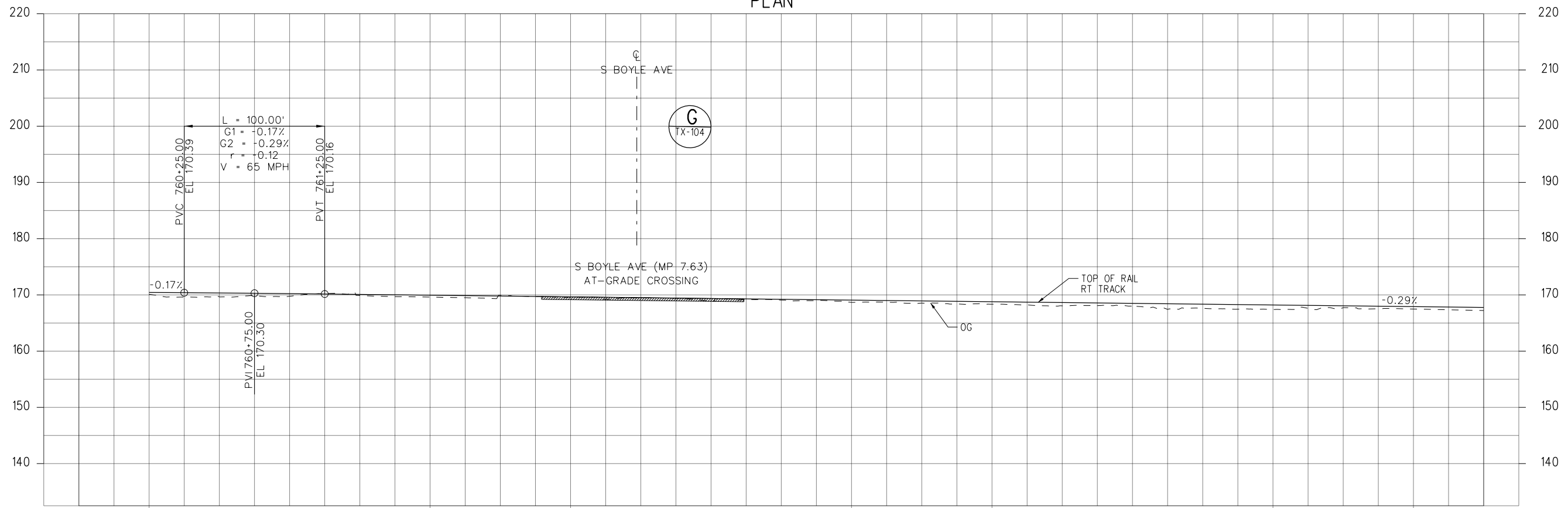
CONTRACT NO.	AE5999300
DRAWING NO.	T-112
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	16 OF 107



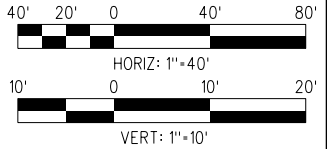


- NOTES:**
- SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 4'5" TOP PANEL 150' FROM GRADE CROSSING.
  - SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 8'5" TOP PANEL 150' FROM GRADE CROSSINGS.

PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091A113.pig

REVISED FINAL ACE SUBMITTAL - 10/20/2023

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	SM
IN CHARGE	RL
DATE	10/20/2023
DESCRIPTION	REVISED FINAL ACE SUBMITTAL

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
4	10/20/2023						REVISED FINAL ACE SUBMITTAL

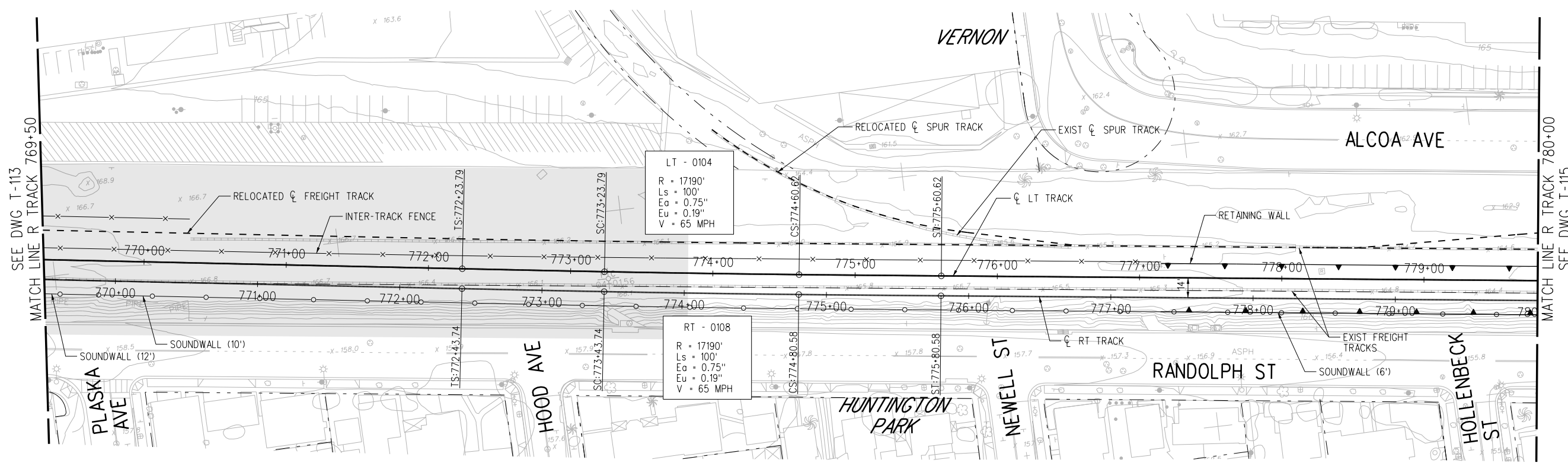
**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

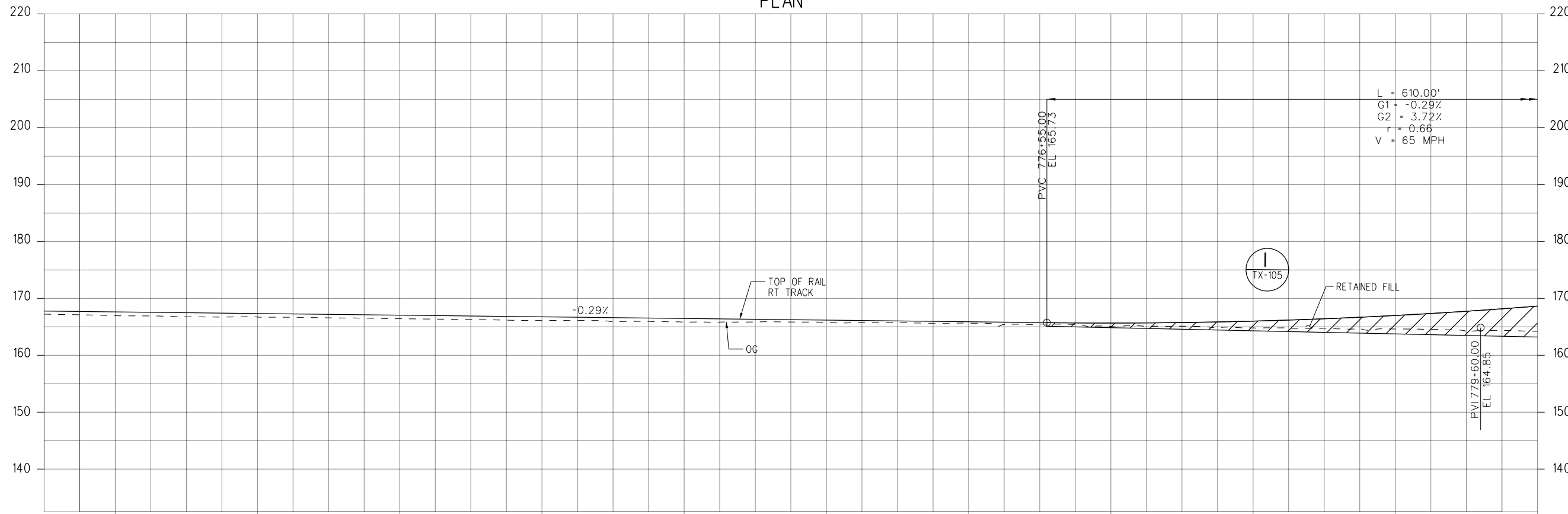
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
 STA 760+00 TO STA 769+50

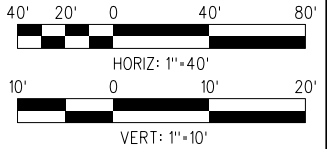
CONTRACT NO.	AE5999300
DRAWING NO.	T-113
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	17 OF 107



PLAN



PROFILE



770+00 771+00 772+00 773+00 774+00 775+00 776+00 777+00 778+00 779+00 780+00

REVISED FINAL ACE SUBMITTAL - 4/7/2023

**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT114.plg

wspw14-pw-svc 02:26

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	JS	DATE	4/7/2023	REVISED FINAL ACE SUBMITTAL	DESCRIPTION	REVISION
DRAWN BY	HX	BY				
CHECKED BY	SM	APP				
IN CHARGE	RL	REG NO.				
DATE	4/7/2023	EXPIRES				
SEAL HOLDER						

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	SM
IN CHARGE	RL
DATE	4/7/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

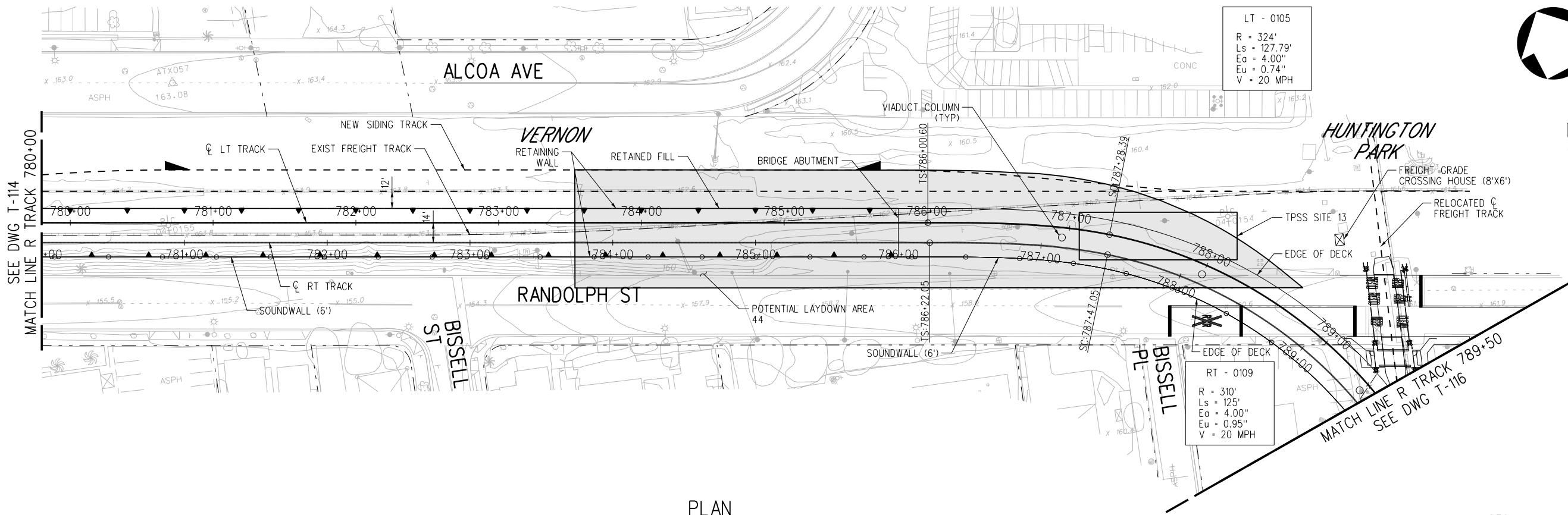
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 769+50 TO STA 780+00

CONTRACT NO. AE5999300

DRAWING NO. T-114

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

SHEET NO. 18 OF 107

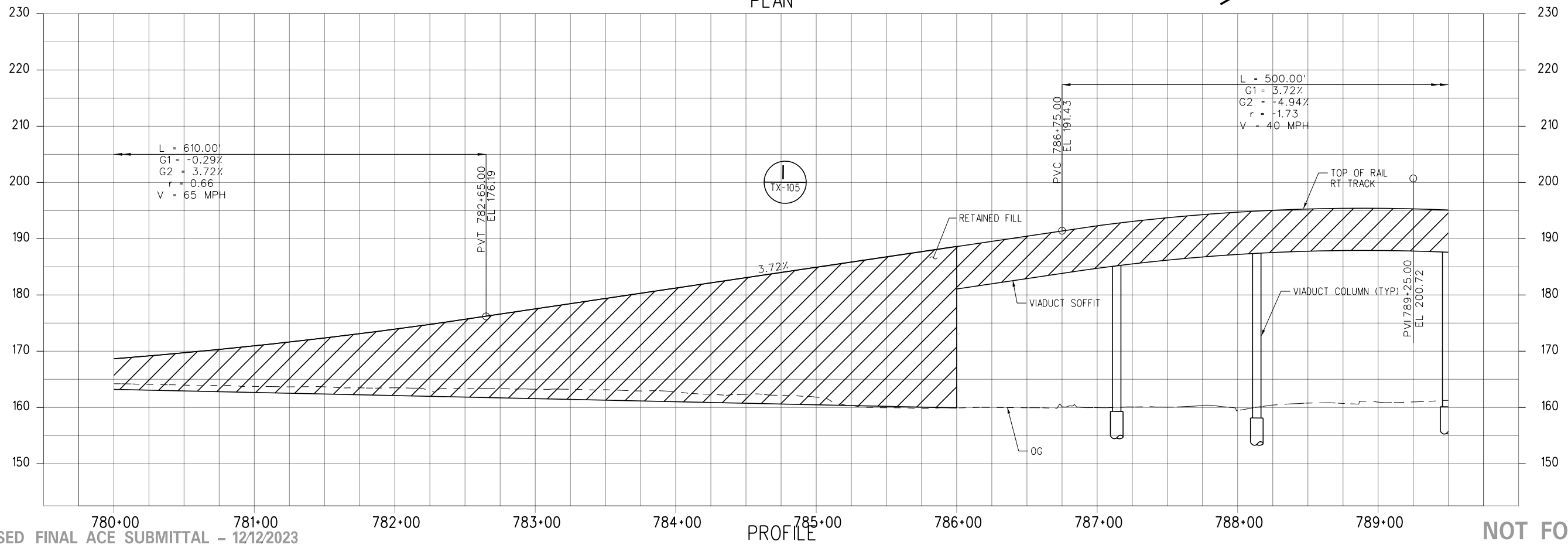


LT - 0105  
 R = 324'  
 Ls = 127.79'  
 Eo = 4.00"  
 Eu = 0.74"  
 V = 20 MPH

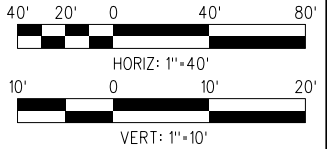
RT - 0109  
 R = 310'  
 Ls = 125'  
 Eo = 4.00"  
 Eu = 0.95"  
 V = 20 MPH

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

PLAN



PROFILE



NOT FOR CONSTRUCTION

15-DEC-2023 E-28091AT115.plt

REVISED FINAL ACE SUBMITTAL - 12/12/2023

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.						
4	12/12/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY JS
DRAWN BY HX
CHECKED BY SM
IN CHARGE RL
DATE 12/12/2023

**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

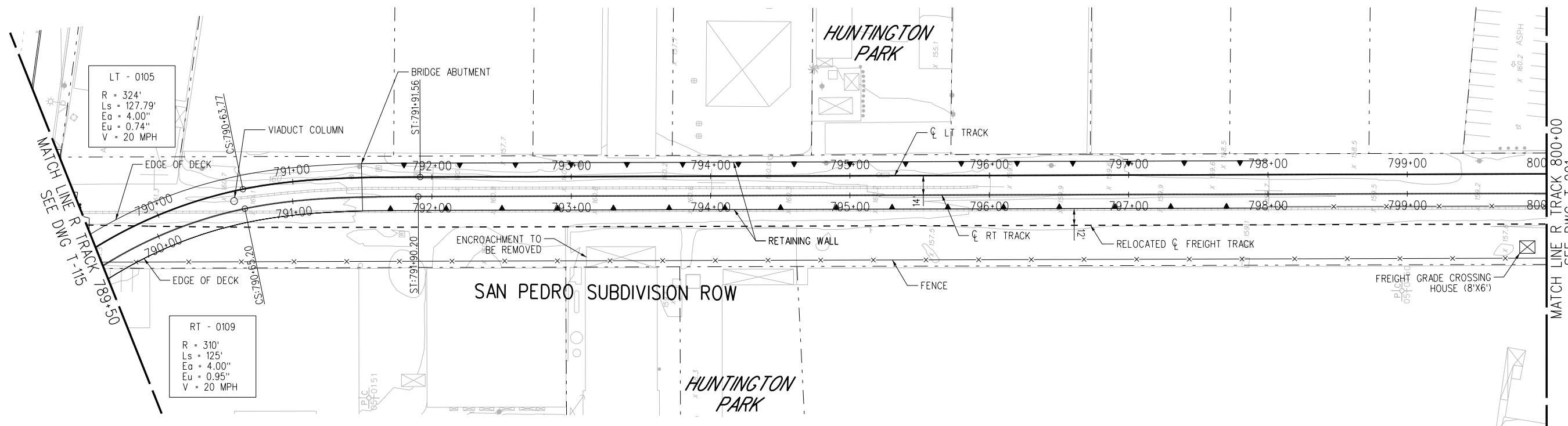
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
 TRACK ALIGNMENT  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 780+00 TO STA 789+50

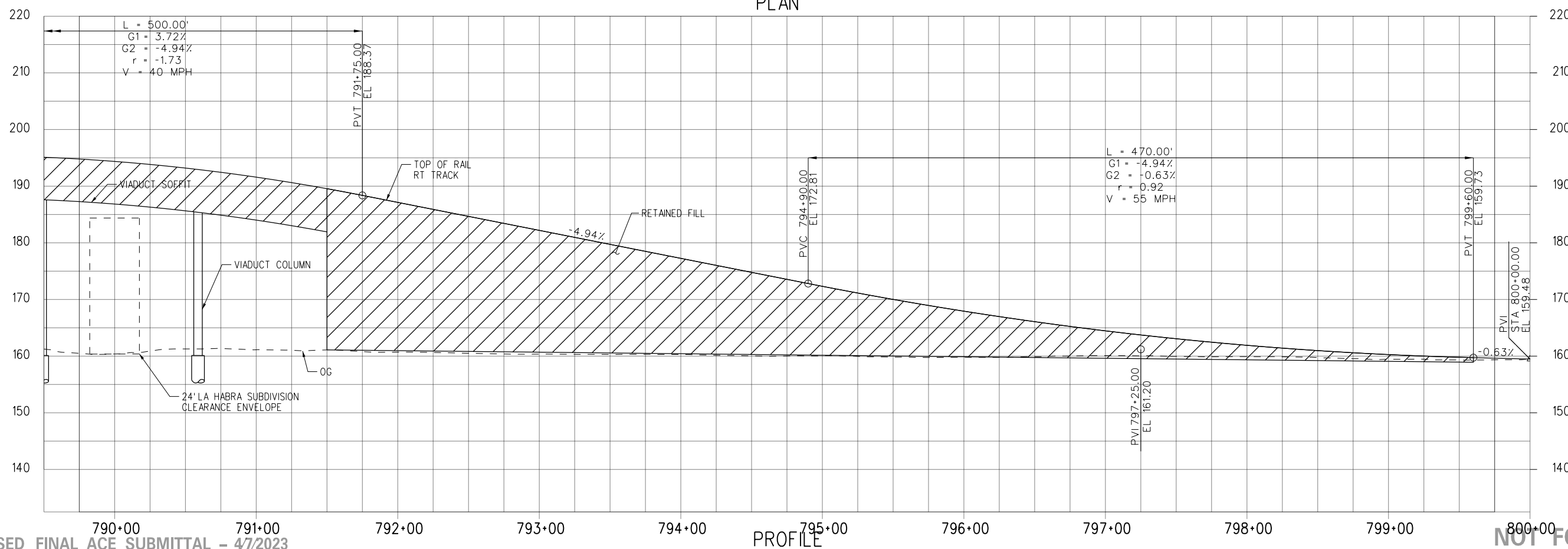
CONTRACT NO. AE5999300
DRAWING NO. T-115
SCALE HORIZ: 1"=40' VERT: 1"=10'
SHEET NO. 19 OF 107



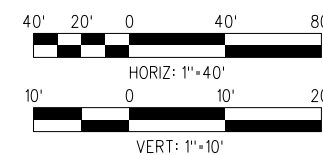
NOTES:  
1. SOUND WALL LOCATED ON EDGE OF VIADUCT



PLAN



PROFILE



REVISED FINAL ACE SUBMITTAL - 4/7/2023

NOT FOR CONSTRUCTION

15-DEC-2023 E-28091AT116.plg

wspw14-pw-svc 02:23

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
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY  
JS  
DRAWN BY  
HX  
CHECKED BY  
SM  
IN CHARGE  
RL  
DATE  
4/7/2023



LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY



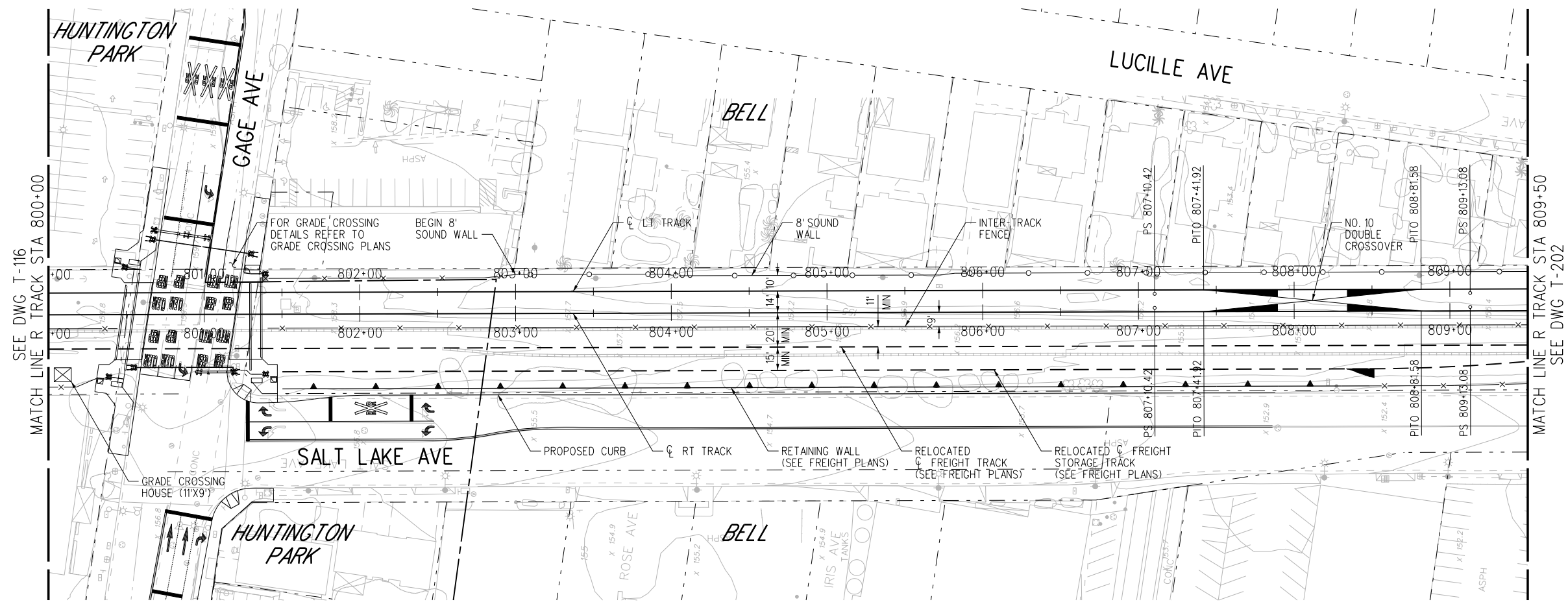
515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

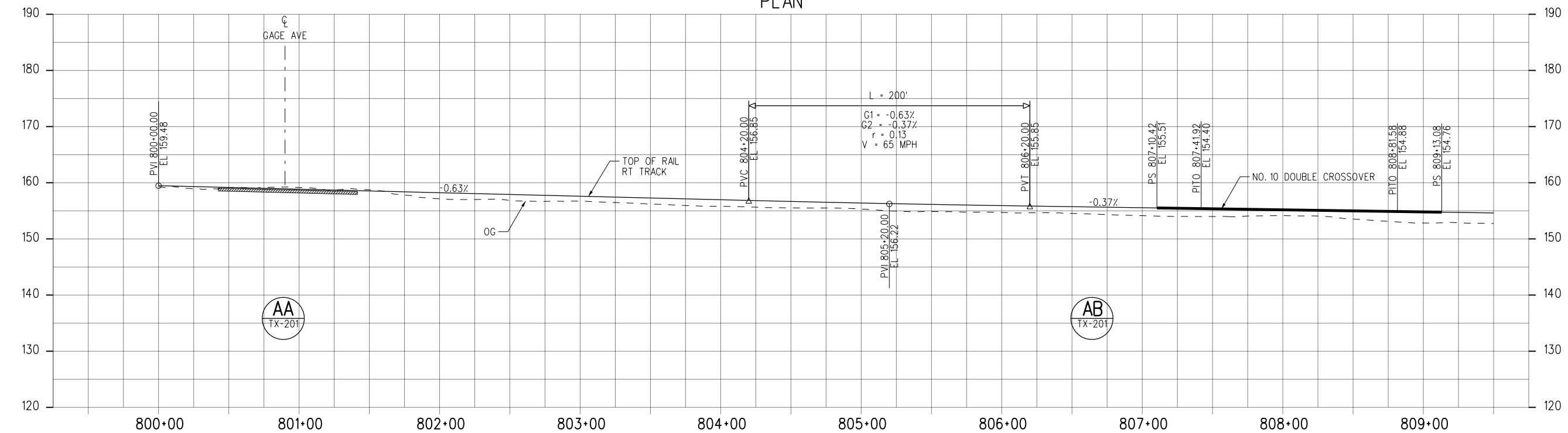
APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
TRACK ALIGNMENT  
LOCALLY PREFERRED ALTERNATIVE  
PLAN & PROFILE  
STA 789+50 TO STA 800+00

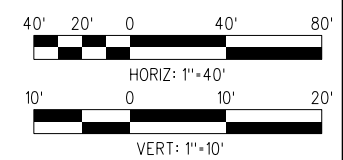
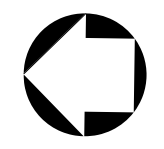
CONTRACT NO AE5999300	
DRAWING NO T-116	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO 20	OF 107



PLAN



PROFILE



15-DEC-2023 E-28091AT201.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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	4/7/2023	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
DRAWN BY	RM	REV	3	DATE	4/7/2023	REV	DATE	BY	APP
CHECKED BY	NM	APP		REG NO.		EXPIRES		SEAL HOLDER	DESCRIPTION
IN CHARGE	RL	SEAL		DATE					
DATE	4/7/2023								

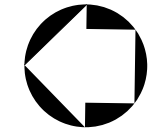
**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

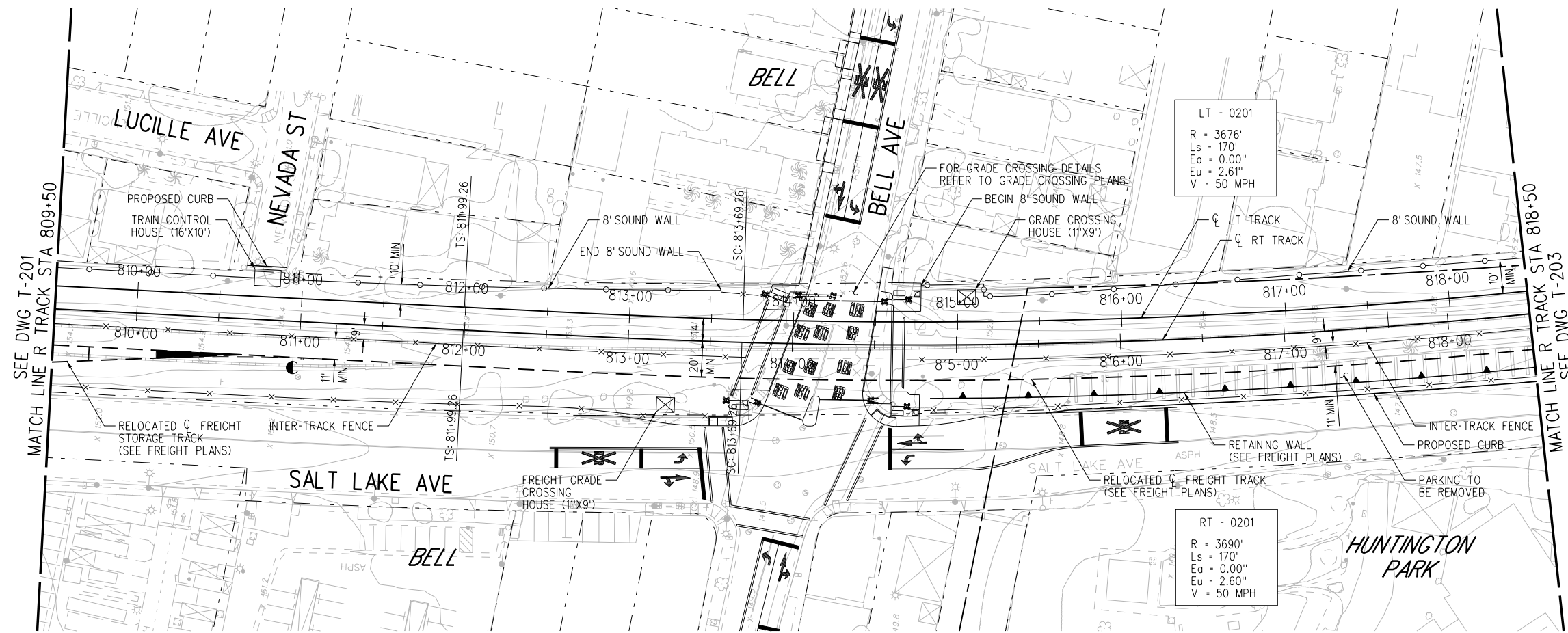
**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE**  
 STA 800+00 TO STA 809+50

CONTRACT NO.	AE5999300
DRAWING NO.	T-201
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	21 OF 107

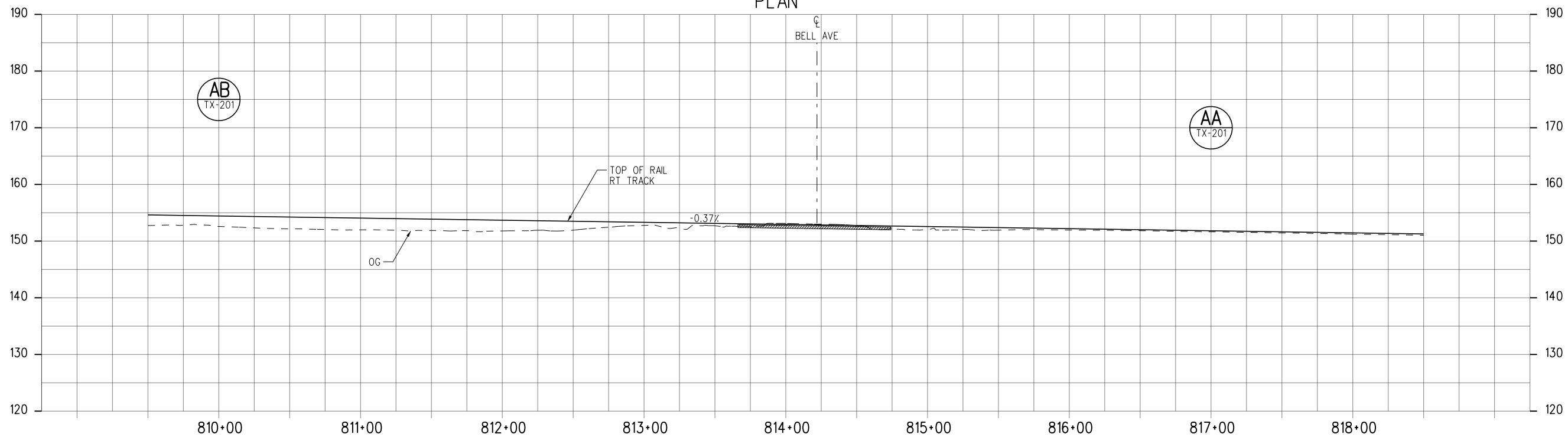


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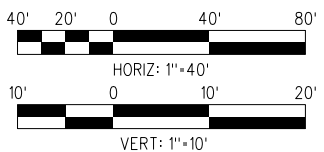
- 1. SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 4' 5" TOP PANEL 150' FROM GRADE CROSSINGS.



PLAN



PROFILE



NOT FOR CONSTRUCTION

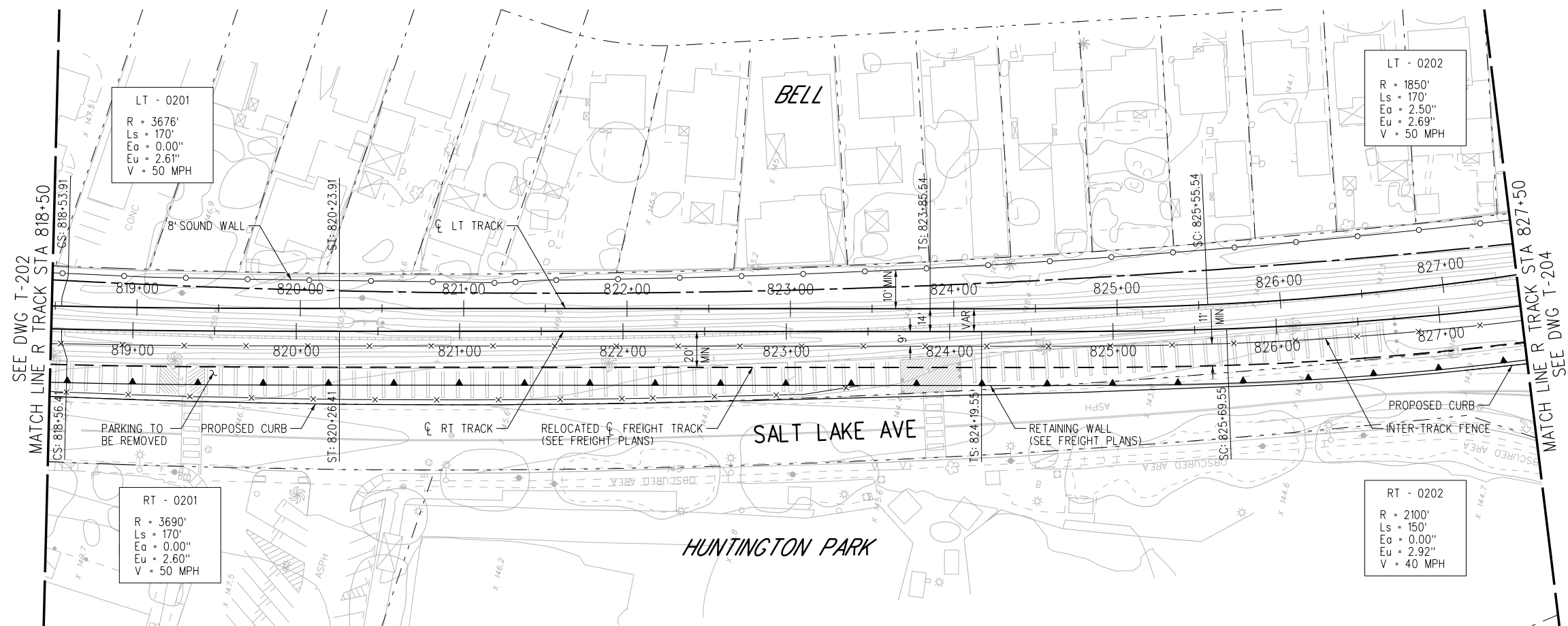
15-DEC-2023 E-28091AT202.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

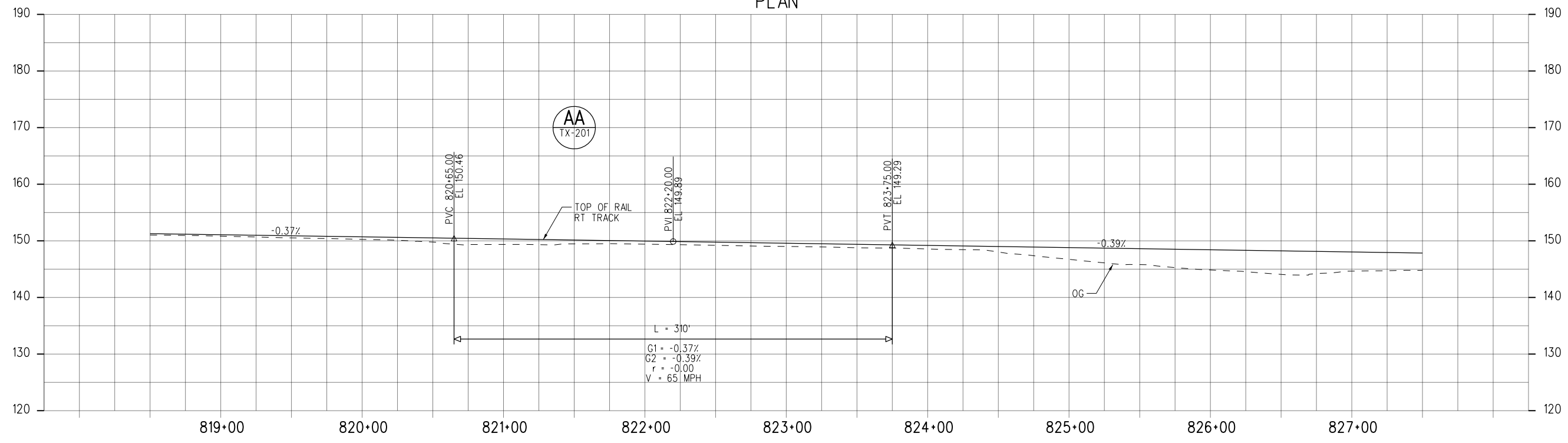
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB	 	<b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>		<b>WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT</b> <b>LOCALLY PREFERRED ALTERNATIVE</b> <b>PLAN &amp; PROFILE</b> <b>STA 809+50 TO STA 818+50</b>		CONTRACT NO. <b>AE5999300</b>	
3	4/7/2023	DRAWN BY RM		515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	SUBMITTED _____ APPROVED _____	DRAWING NO. <b>T-202</b>	REV	SCALE <b>HORIZ: 1"=40'</b> <b>VERT: 1"=10'</b>	SHEET NO. <b>22</b> OF <b>107</b>
REV	DATE	BY		CHECKED BY NM					
		APP		IN CHARGE RL					
		REG NO.		DATE 4/7/2023					
		EXPIRES							
		SEAL HOLDER							
		DESCRIPTION							

Plot Driver=MTA-half.pen

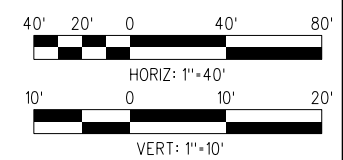
Pentable=bw.plt



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT203.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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
3	4/7/2023					
						REVISOR
						DESCRIPTION
						REVISED FINAL ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

**M Metro**

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**

**LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE**

**STA 818+50 TO STA 827+50**

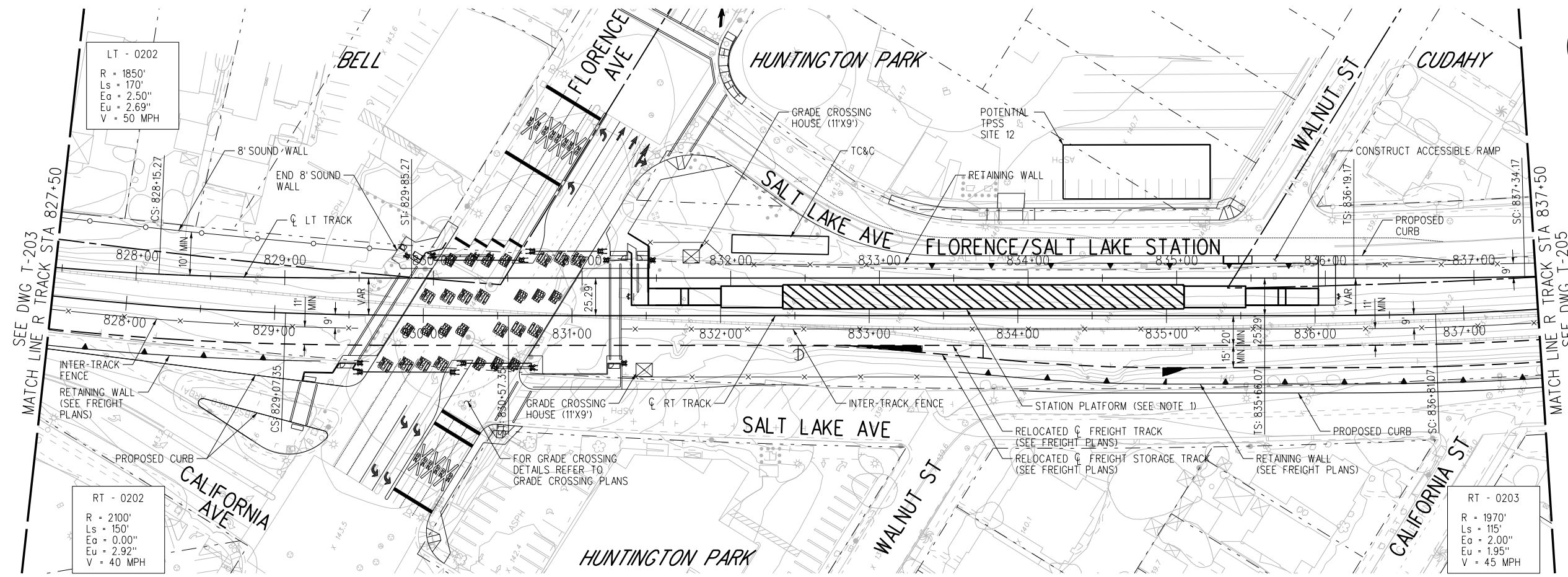
CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>T-203</b>	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO <b>23</b>	OF 107



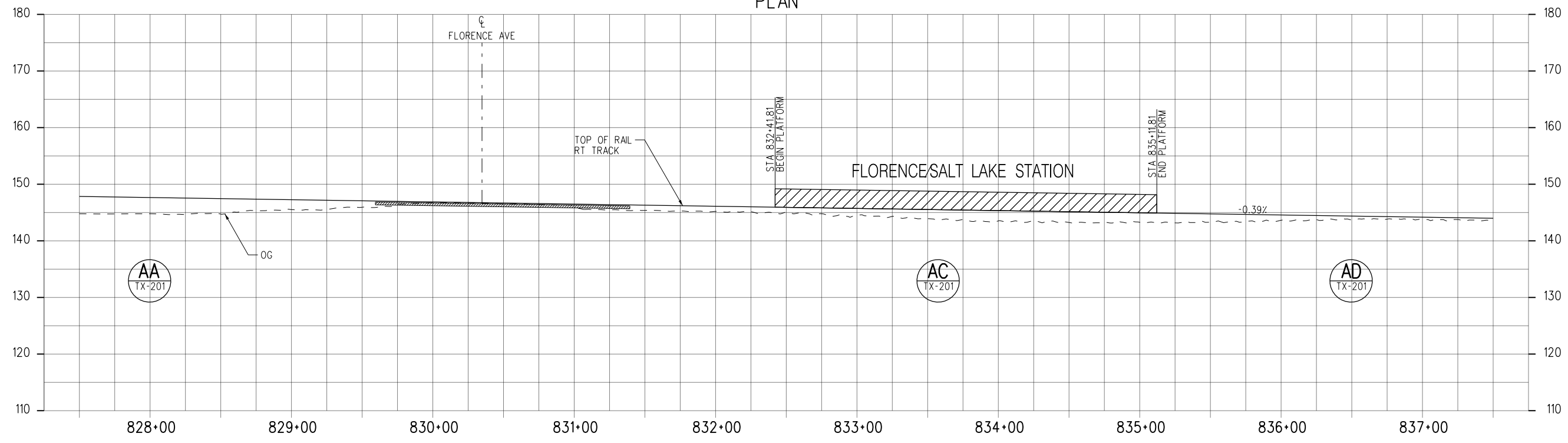


**NOTES:**

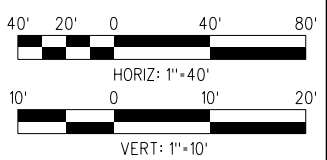
- 1. FOR STATION LAYOUT SEE STATION SITE PLANS, SHEET A10-001.
- 2. SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 4'5" TOP PANEL 150' FROM GRADE CROSSINGS.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT204.plg  
wspw14\_pw-svc 02:24

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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.						
3	4/7/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

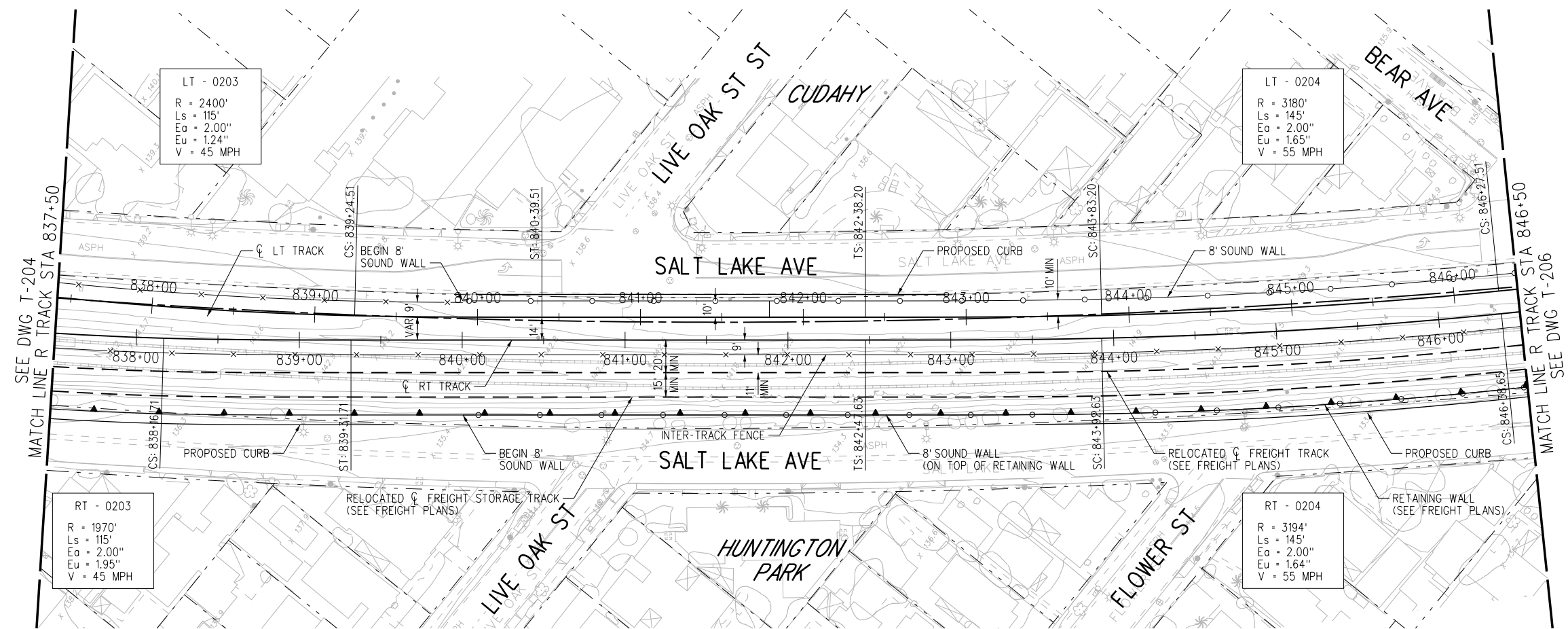
**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

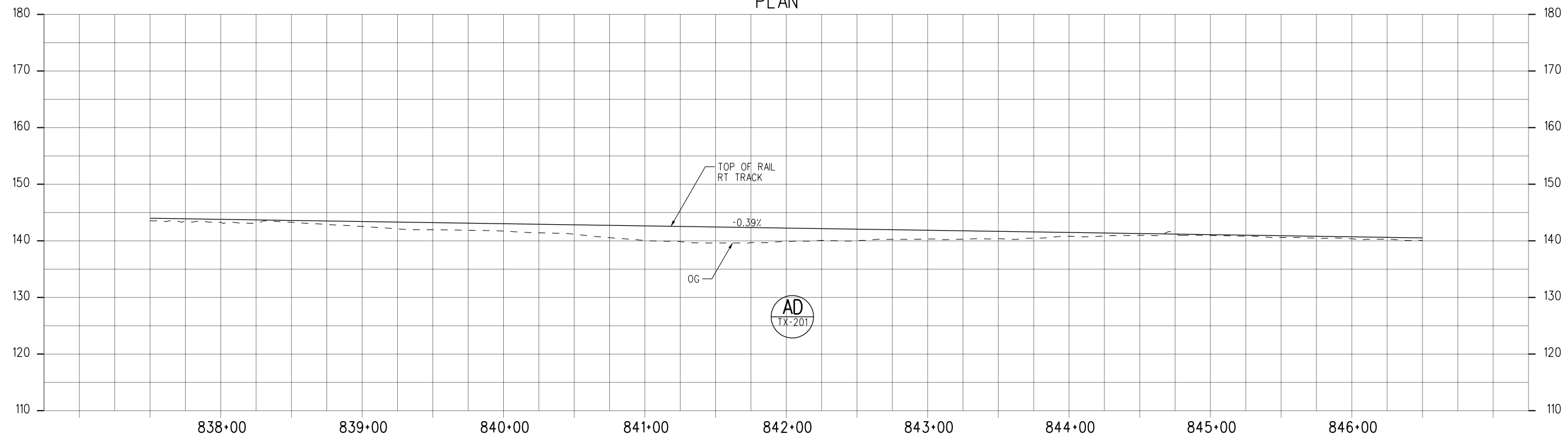
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 827+50 TO STA 837+50**

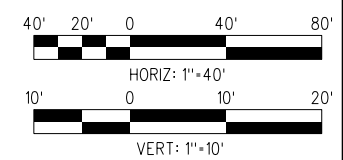
CONTRACT NO. **AE5999300**  
 DRAWING NO. **T-204**  
 SCALE **HORIZ: 1"=40'**  
**VERT: 1"=10'**  
 SHEET NO. **24** OF **107**



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

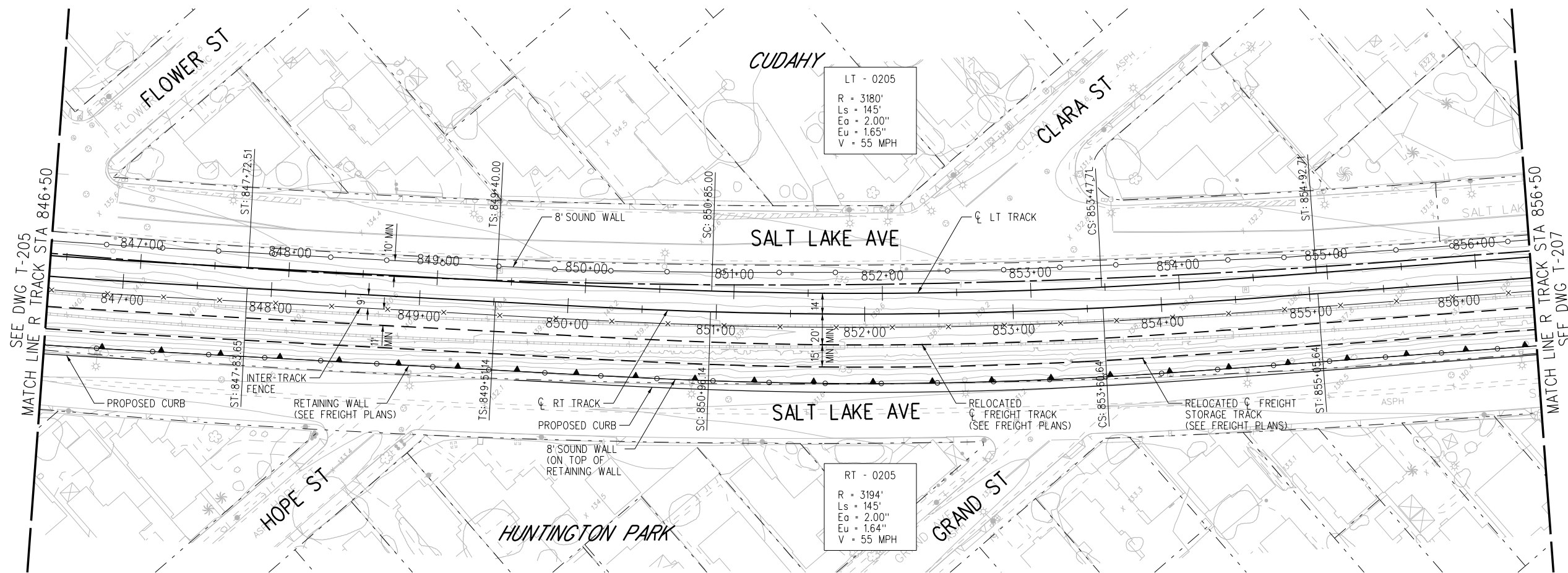
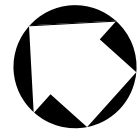
15-DEC-2023 E-28091AT205.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

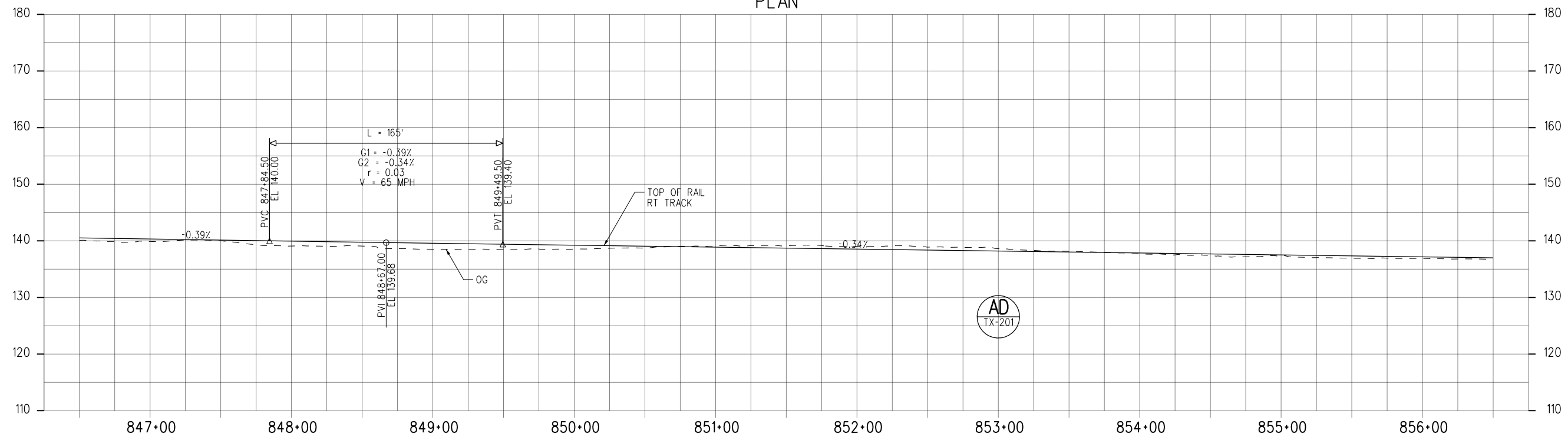
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB
3	4/7/2023	DRAWN BY RM
REV	DATE	CHECKED BY NM
BY	APP	IN CHARGE RL
REG NO.	EXPIRES	DATE 4/7/2023
SEAL HOLDER	DESCRIPTION REVISED FINAL ACE SUBMITTAL	

<p><b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b></p>	<p>515 South Figueroa Street Suite 1400 Los Angeles, CA 90071</p>
SUBMITTED _____	APPROVED _____

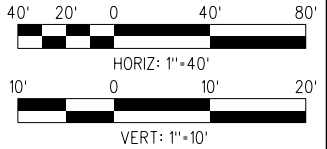
<p><b>WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT</b>  <b>LOCALLY PREFERRED ALTERNATIVE</b>  <b>PLAN &amp; PROFILE</b>  <b>STA 837+50 TO STA 846+50</b></p>		<p>CONTRACT NO <b>AE5999300</b></p> <p>DRAWING NO <b>T-205</b></p> <p>SCALE HORIZ: 1"=40' VERT: 1"=10'</p> <p>SHEET NO 25 OF 107</p>
---	--	--



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT206.plg  
wsppw14\_pw-svc 02:24

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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
3	4/7/2023					
						REVISED FINAL ACE SUBMITTAL
						DESCRIPTION

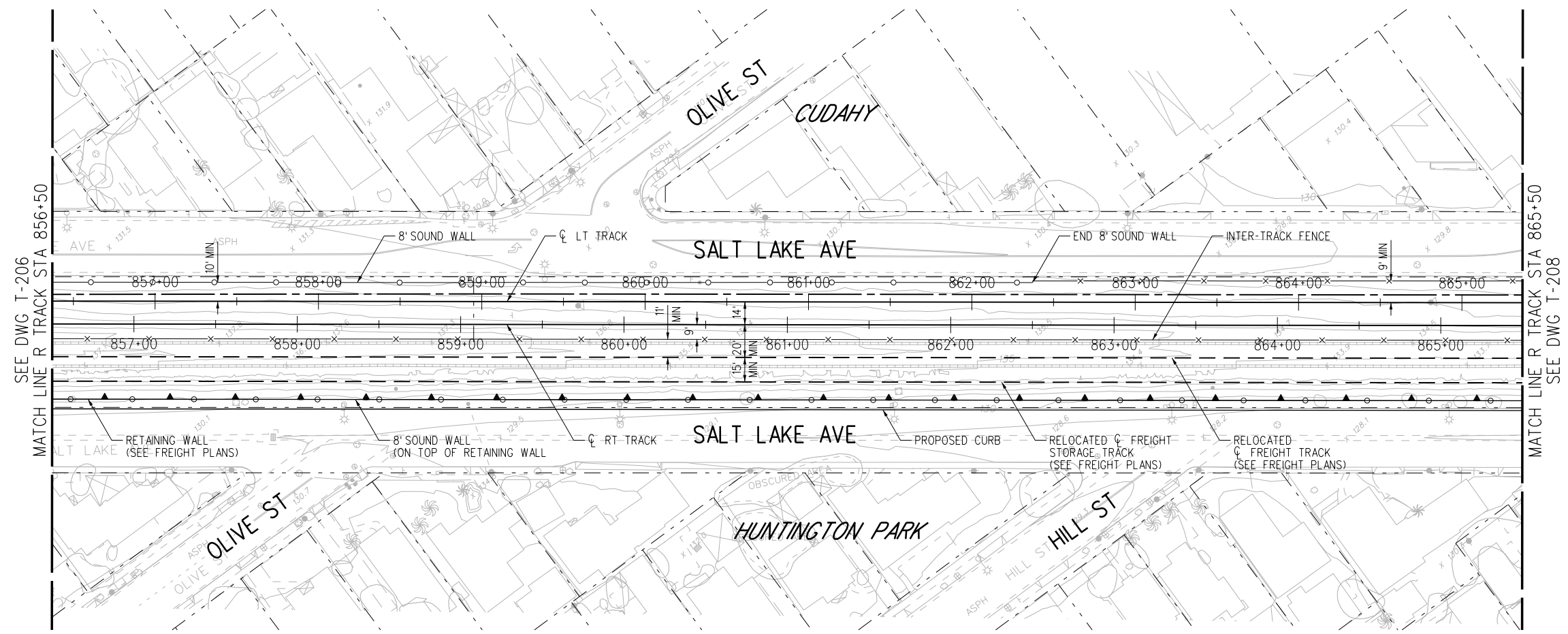
DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

**M Metro**  
**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

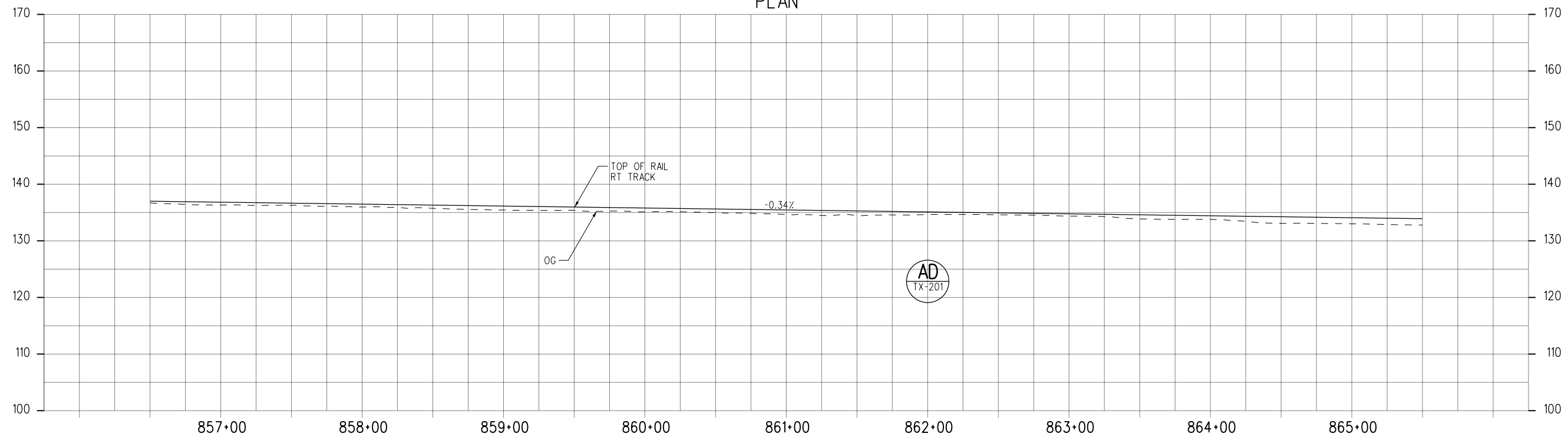
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
 TRACK ALIGNMENT  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 846+50 TO STA 856+50

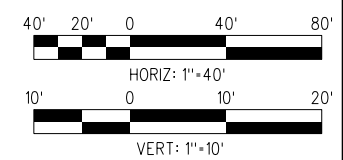
CONTRACT NO.	AE5999300
DRAWING NO.	T-206
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	26 OF 107



PLAN



PROFILE




**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT207.plg


**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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
3	4/7/2023					
						DESCRIPTION
						REVISED FINAL ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**



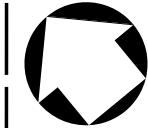
515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

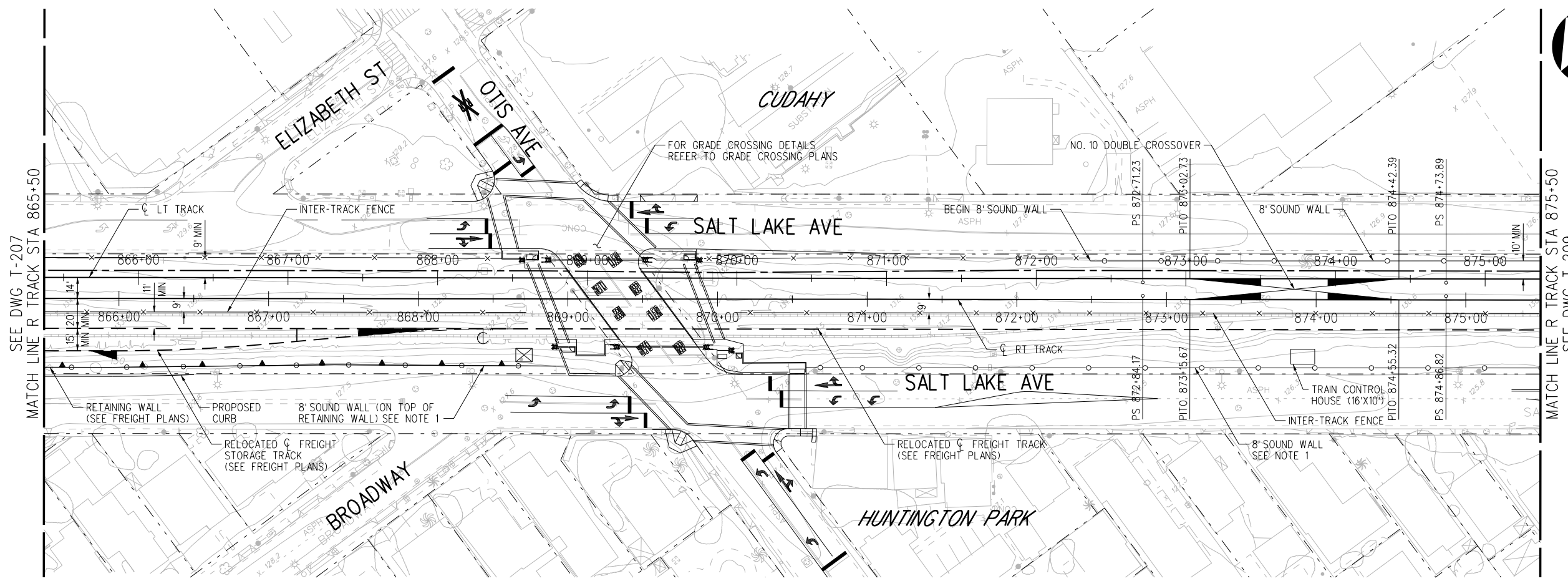
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 856+50 TO STA 865+50**

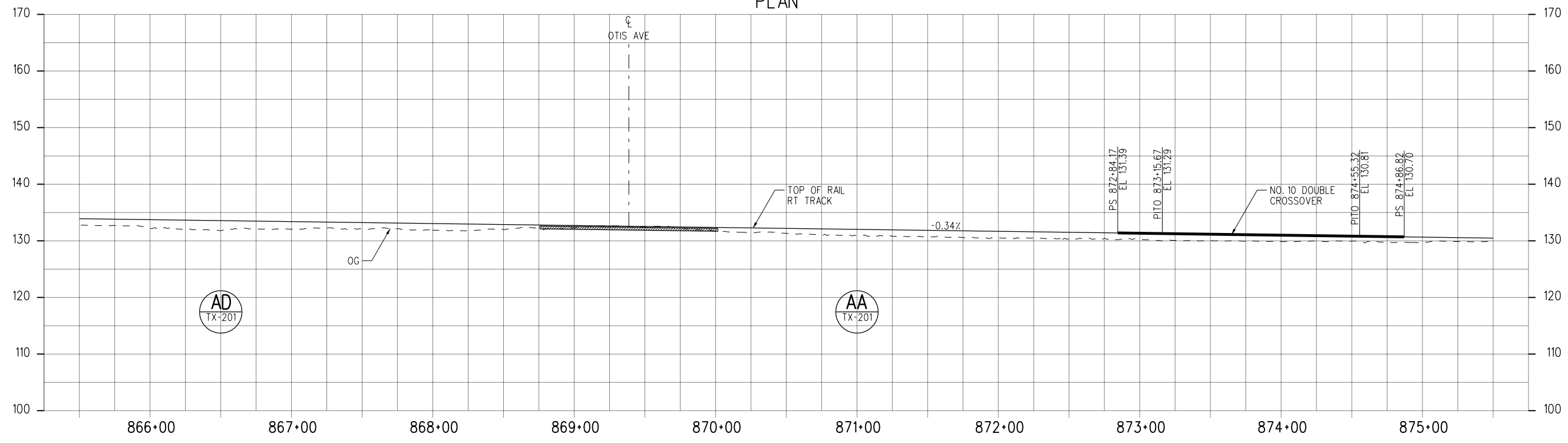
CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>T-207</b>	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO <b>27</b>	OF <b>107</b>



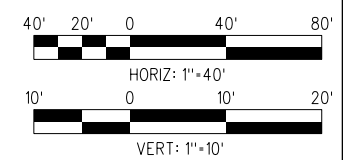
NOTE:  
 1. SOUNDWALL HEIGHTS REDUCED TO 3'7" WITH 4'5" TRANSPARENT TOP PANEL 150' FROM GRADE CROSSINGS.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT208.plg

REVISED FINAL ACE SUBMITTAL - 6/22/2023

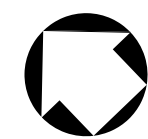
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB	  515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	CONTRACT NO. <b>AE5999300</b>				
3	6/22/2023	DRAWN BY RM		DRAWING NO. <b>T-208</b>				
		CHECKED BY NM		SCALE HORIZ: 1"=40' VERT: 1"=10'				
		IN CHARGE RL		SHEET NO. 28 OF 107				
		DATE 6/22/2023						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	
							REVISED FINAL ACE SUBMITTAL	

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**  

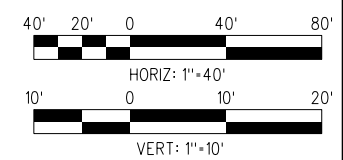
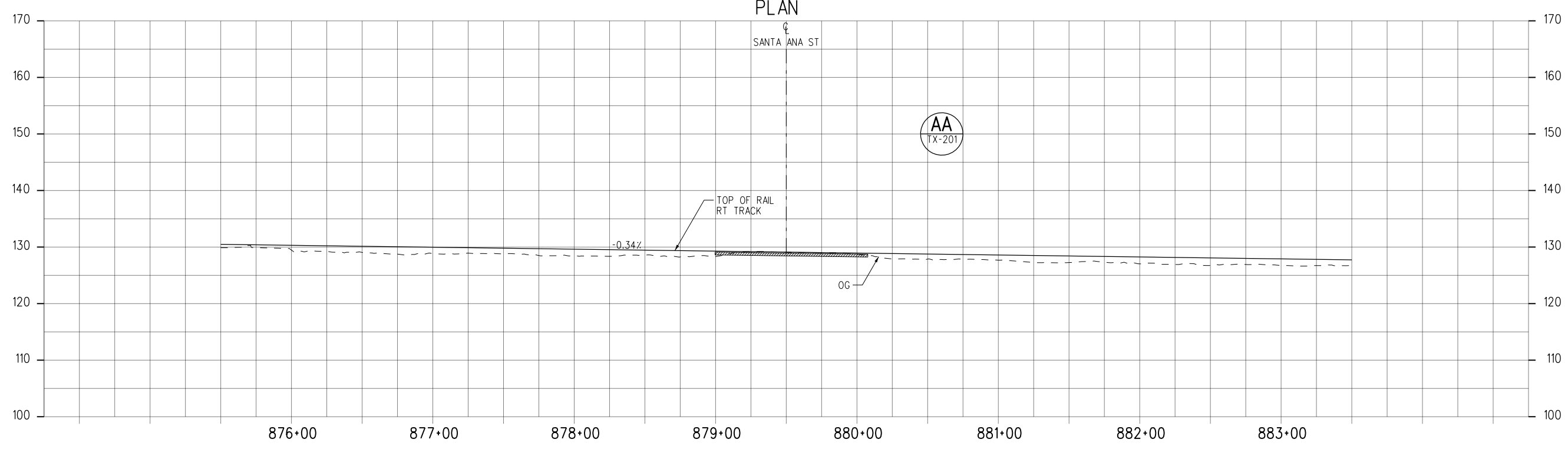
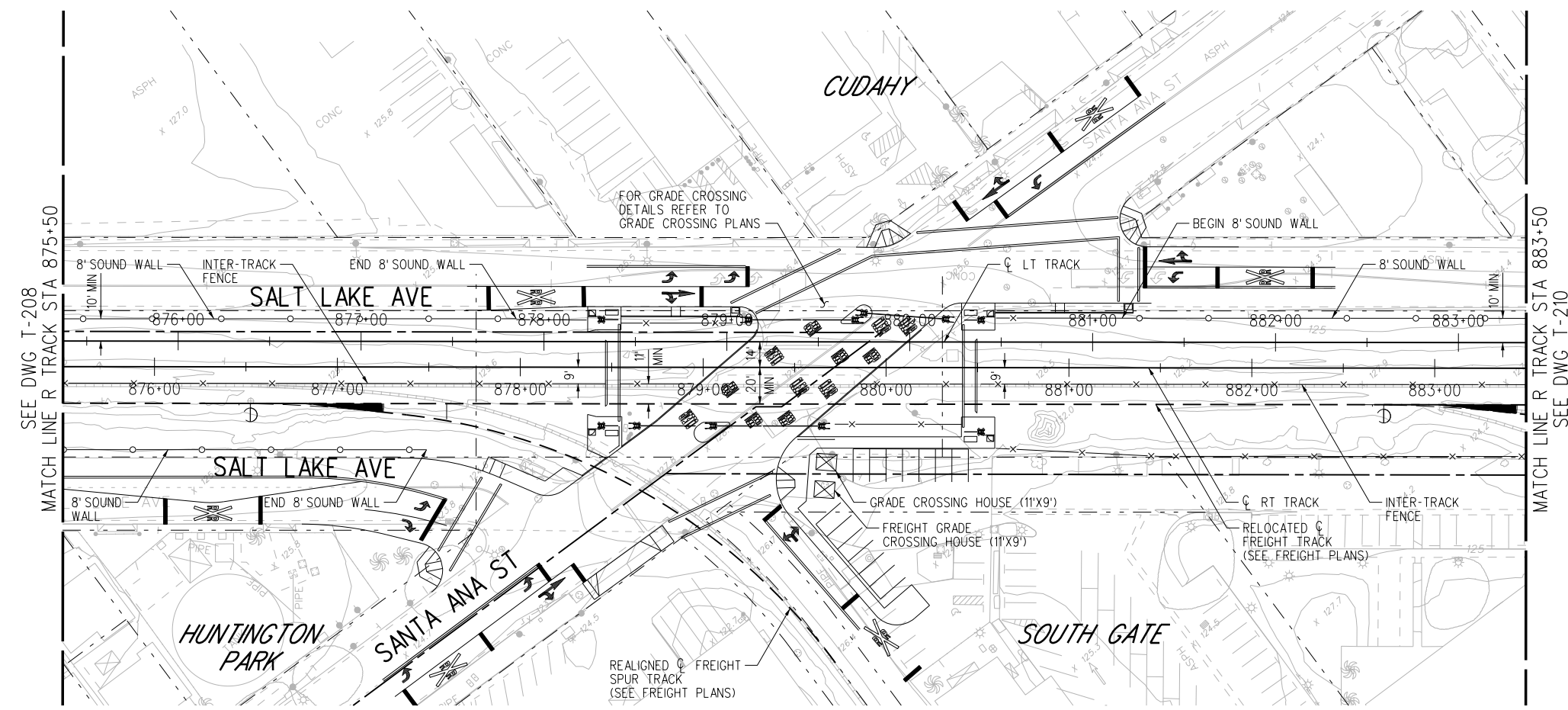
 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 865+50 TO STA 875+50**



**NOTES:**  
 1. SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 4'5" TOP PANEL 150' FROM GRADE CROSSINGS.



15-DEC-2023 E-28091AT209.plg

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

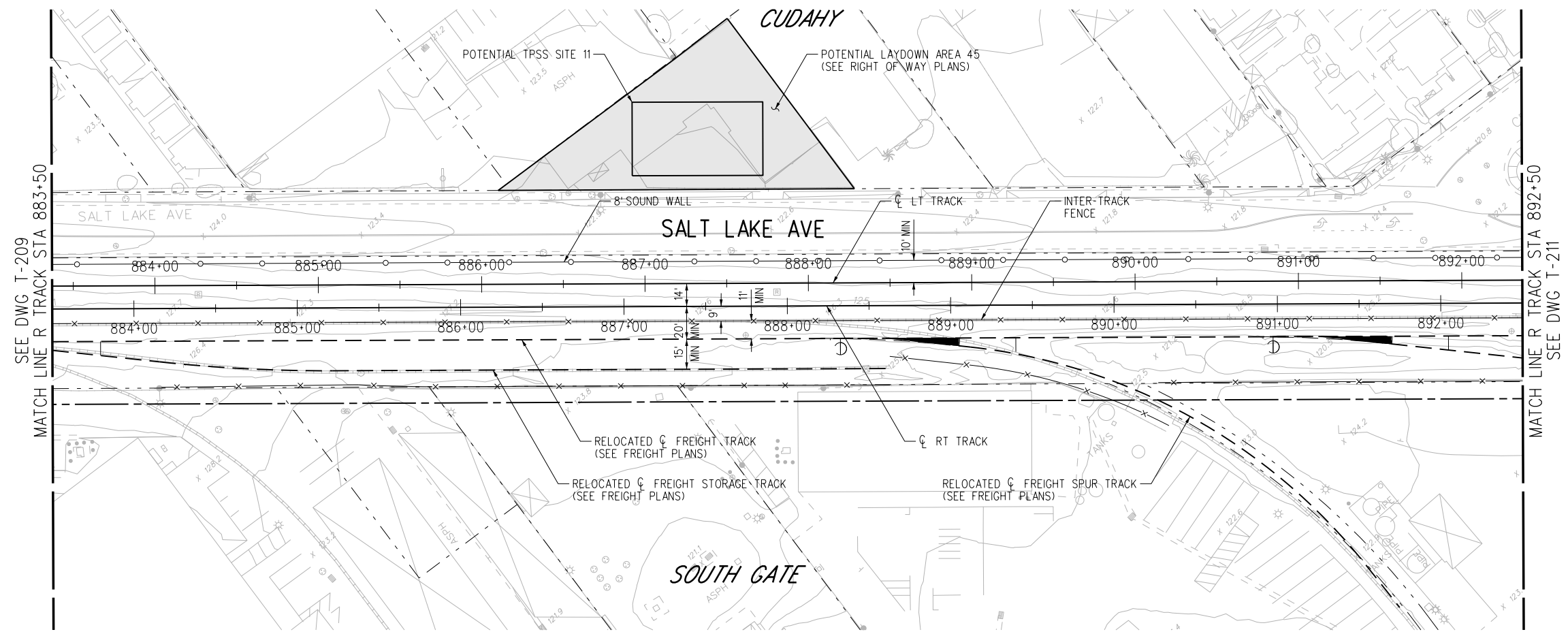
**Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

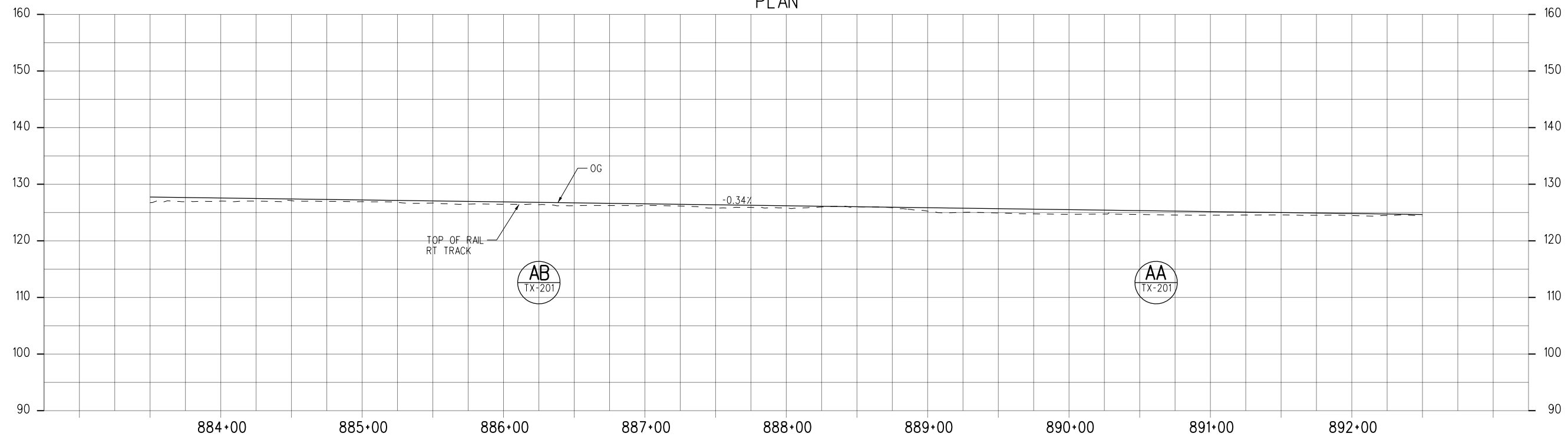
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 875+50 TO STA 883+50

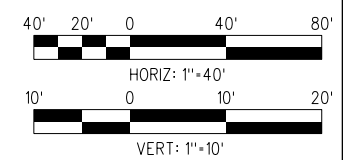
CONTRACT NO. <b>AE5999300</b>
DRAWING NO. <b>T-209</b>
SCALE HOR: 1"=40' VERT: 1"=10'
SHEET NO. 29 OF 107



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT210.plg

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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
3	4/7/2023					
						DESCRIPTION
						REVISED FINAL ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

**M Metro**

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

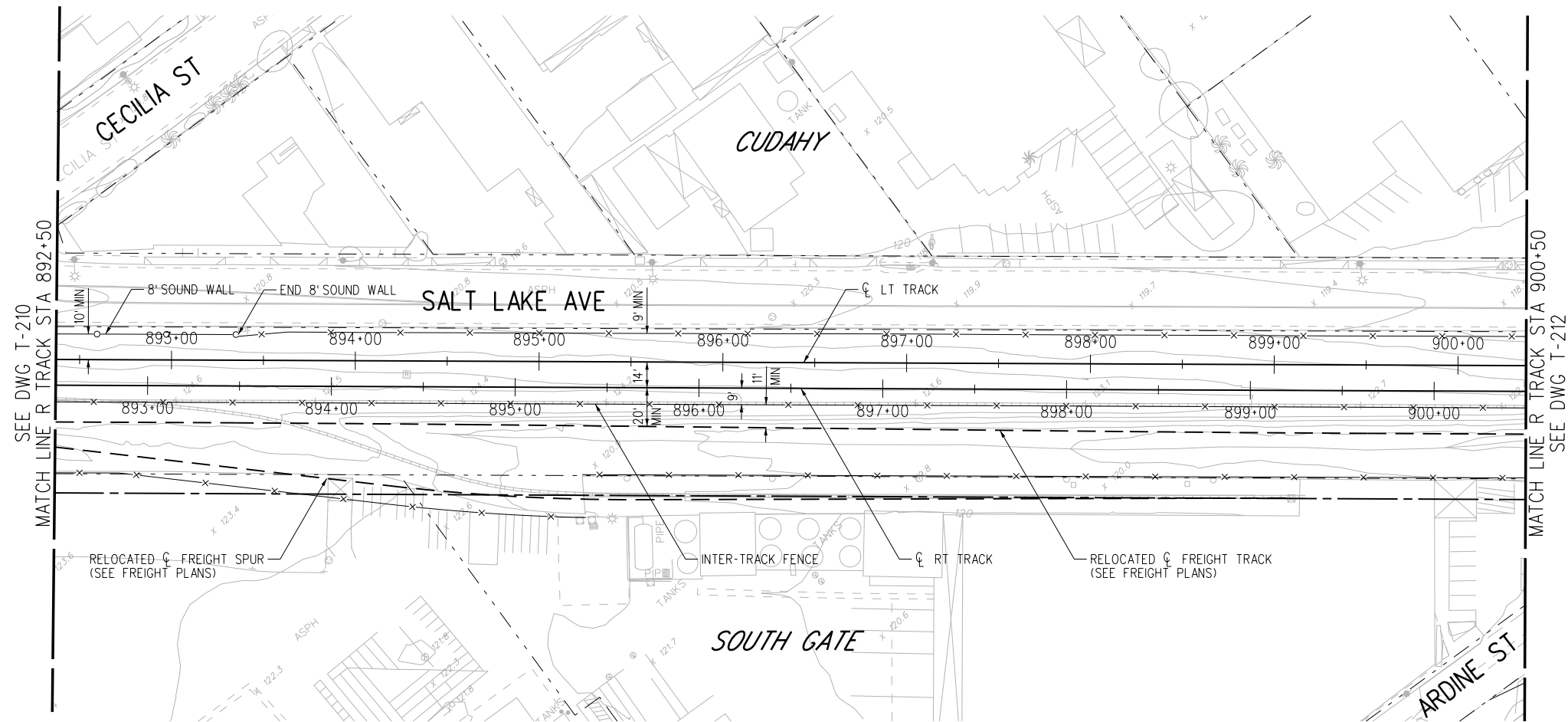
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

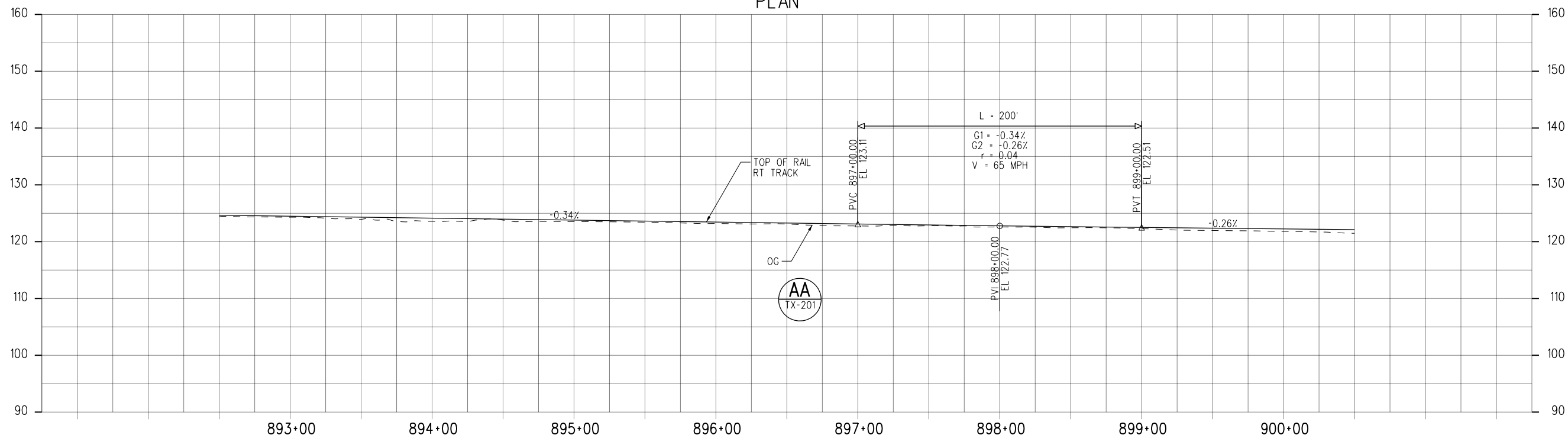
**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 883+50 TO STA 892+50**

CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>T-210</b>	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. <b>30</b>	OF <b>107</b>

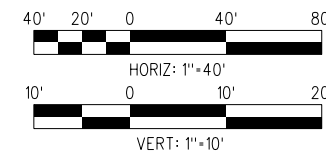




PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT211.plt

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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	 <b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>	CONTRACT NO. <b>AE5999300</b>
3	4/7/2023	DRAWN BY RM		DRAWING NO. <b>T-211</b>
REV	DATE	CHECKED BY NM		SCALE HORIZ: 1"=40' VERT: 1"=10'
BY	APP	IN CHARGE RL		SHEET NO. 31 OF 107
REG NO.	EXPIRES	DATE 4/7/2023		
SEAL HOLDER	DESCRIPTION REVISED FINAL ACE SUBMITTAL			

DESIGNED BY CB	 <b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>	CONTRACT NO. <b>AE5999300</b>
DRAWN BY RM		DRAWING NO. <b>T-211</b>
CHECKED BY NM		SCALE HORIZ: 1"=40' VERT: 1"=10'
IN CHARGE RL		SHEET NO. 31 OF 107
DATE 4/7/2023		

515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

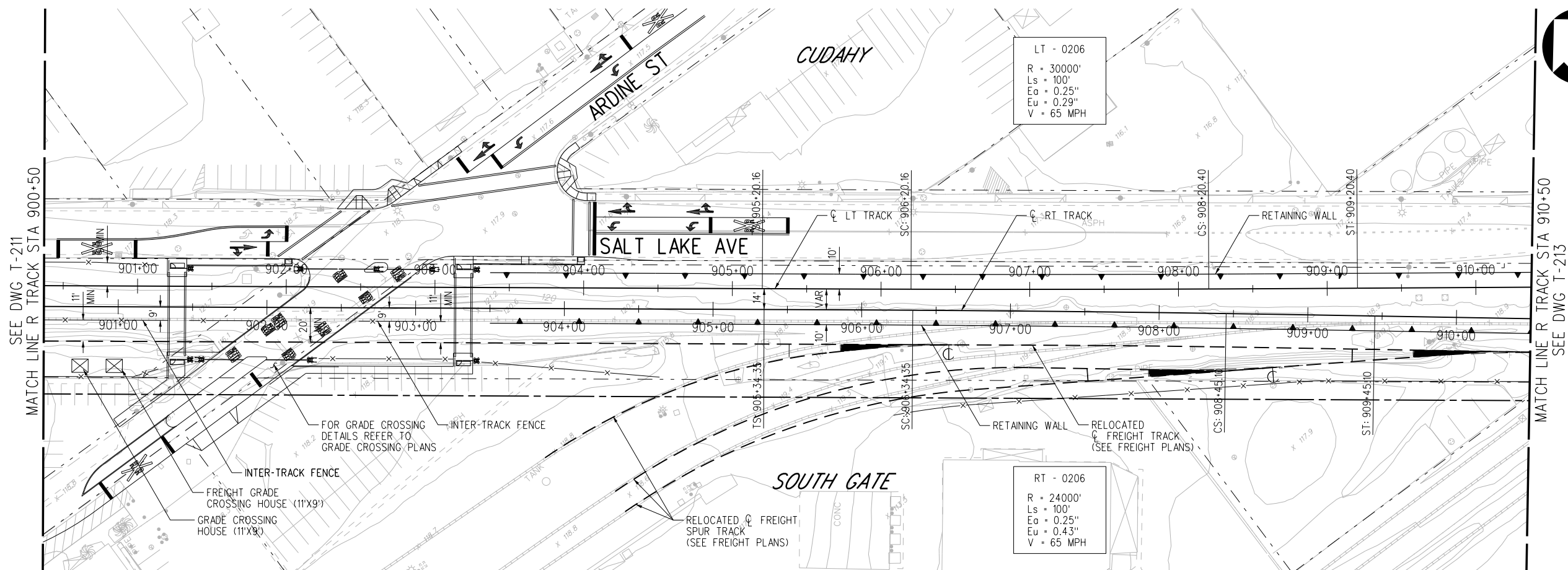
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**

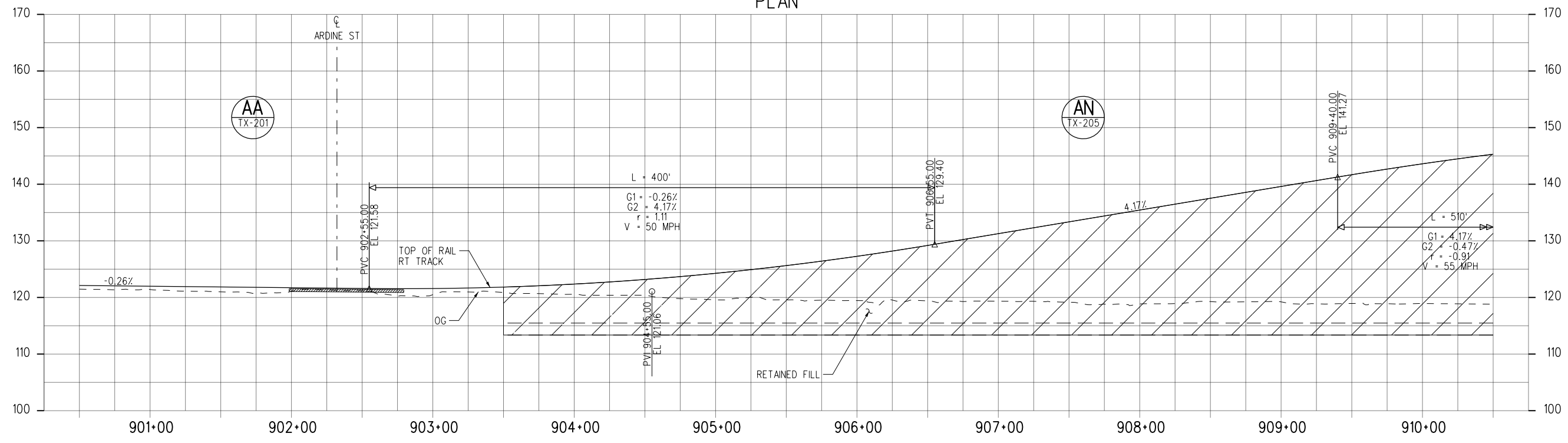
**LOCALLY PREFERRED ALTERNATIVE**

**PLAN & PROFILE**

**STA 892+50 TO STA 900+50**



PLAN



PROFILE

15-DEC-2023 E-28091AT212.plg  
wspw14\_pw-svc 02:24

REVISED FINAL ACE SUBMITTAL - 4/7/2023

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

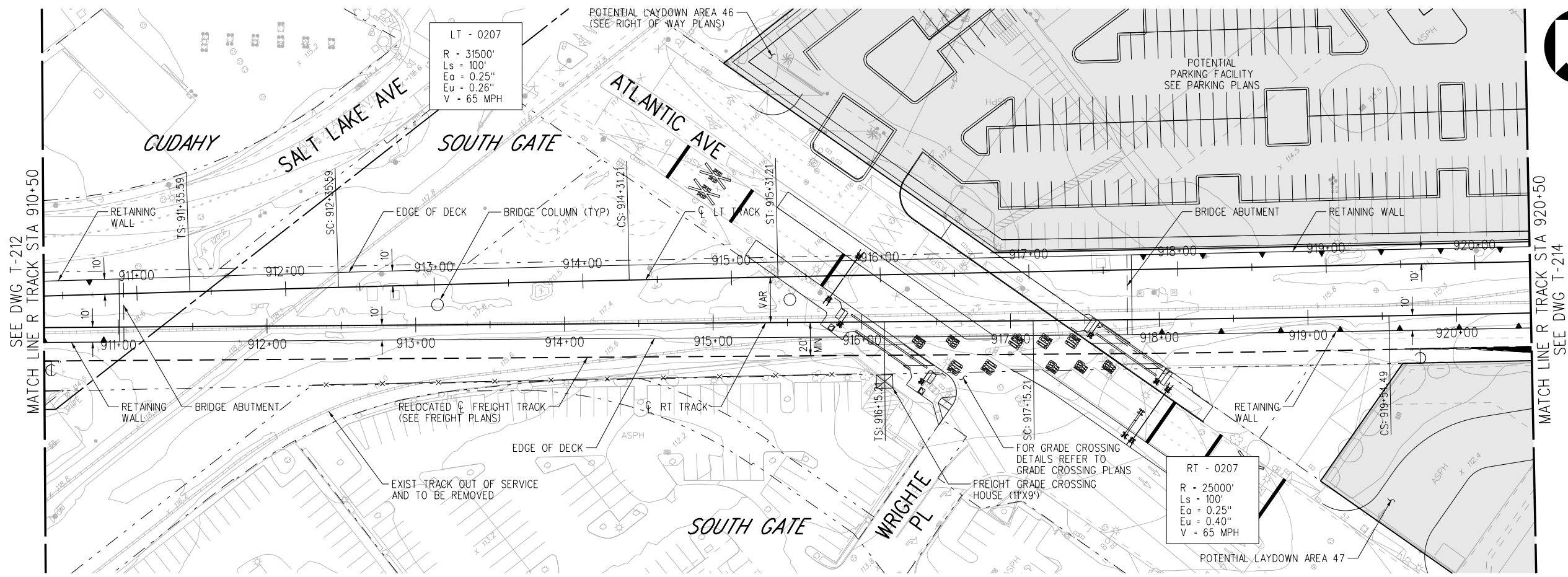
**M Metro**  
**Los Angeles County Metropolitan Transportation Authority**  
 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

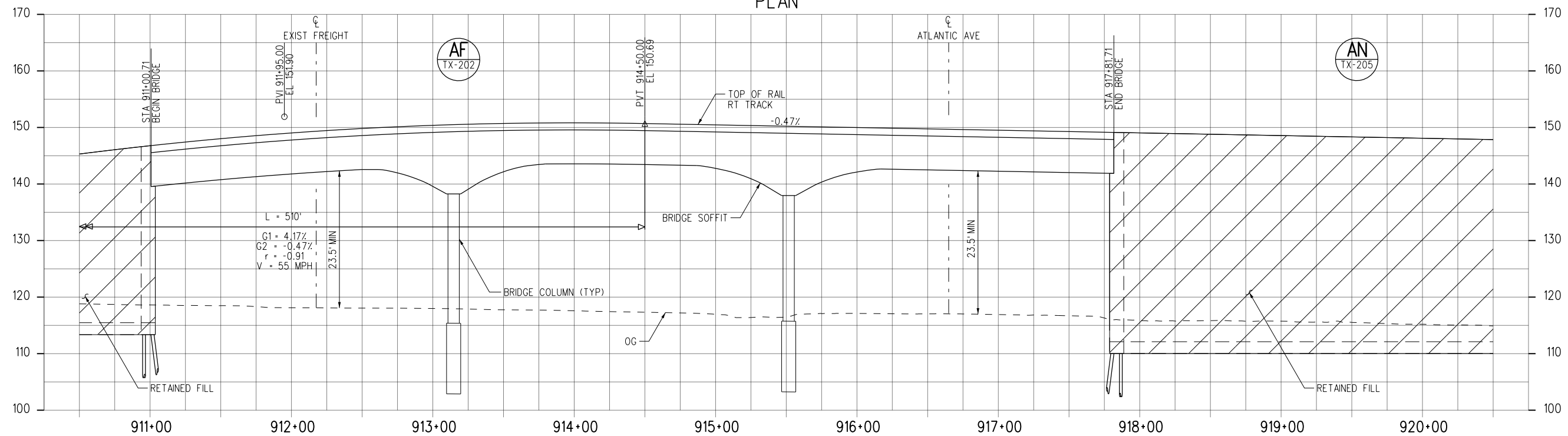
**WEST SANTA ANA BRANCH LRT  
 TRACK ALIGNMENT  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 900+50 TO STA 910+50**

CONTRACT NO. AE5999300
DRAWING NO. T-212
SCALE HOR: 1"=40' VERT: 1"=10'
SHEET NO. 32 OF 107

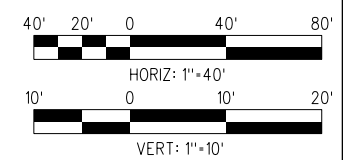
**NOT FOR CONSTRUCTION**



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT213.plg

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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.						
3	4/7/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

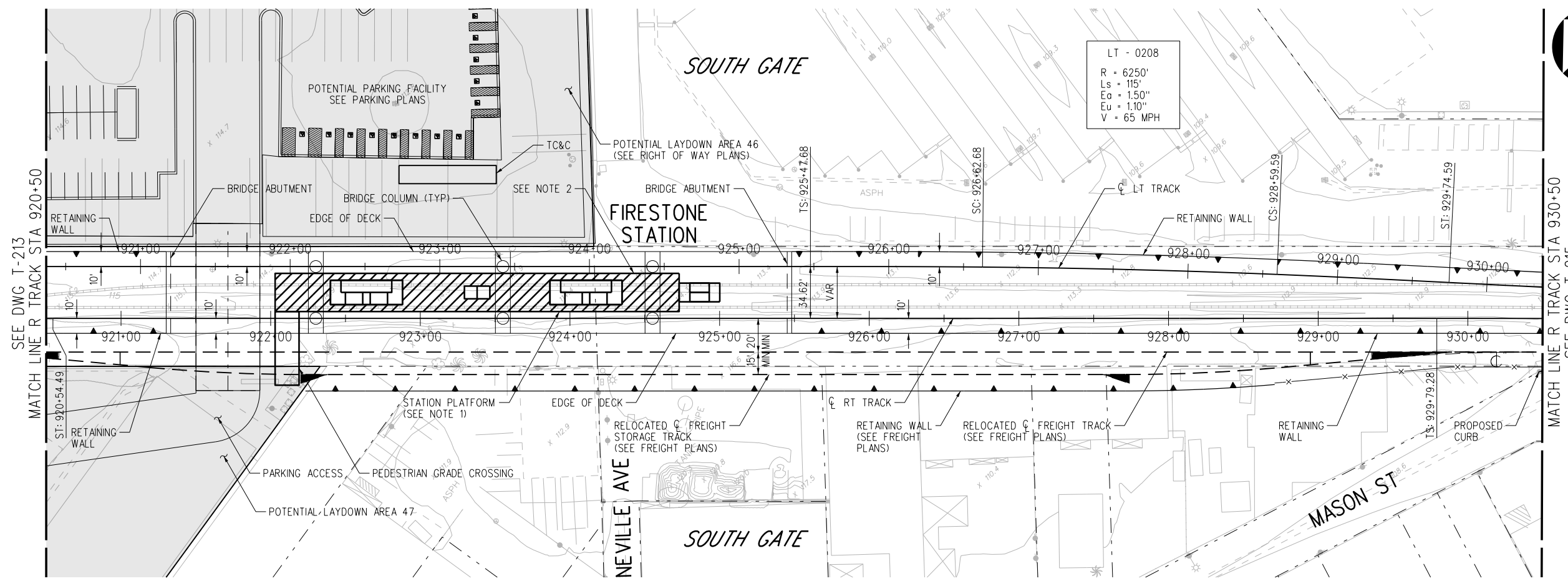
SUBMITTED	
APPROVED	

<b>WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT</b>	
<b>LOCALLY PREFERRED ALTERNATIVE</b>	
<b>PLAN &amp; PROFILE</b>	
<b>STA 910+50 TO STA 920+50</b>	
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>T-213</b>	
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO. 33	OF 107

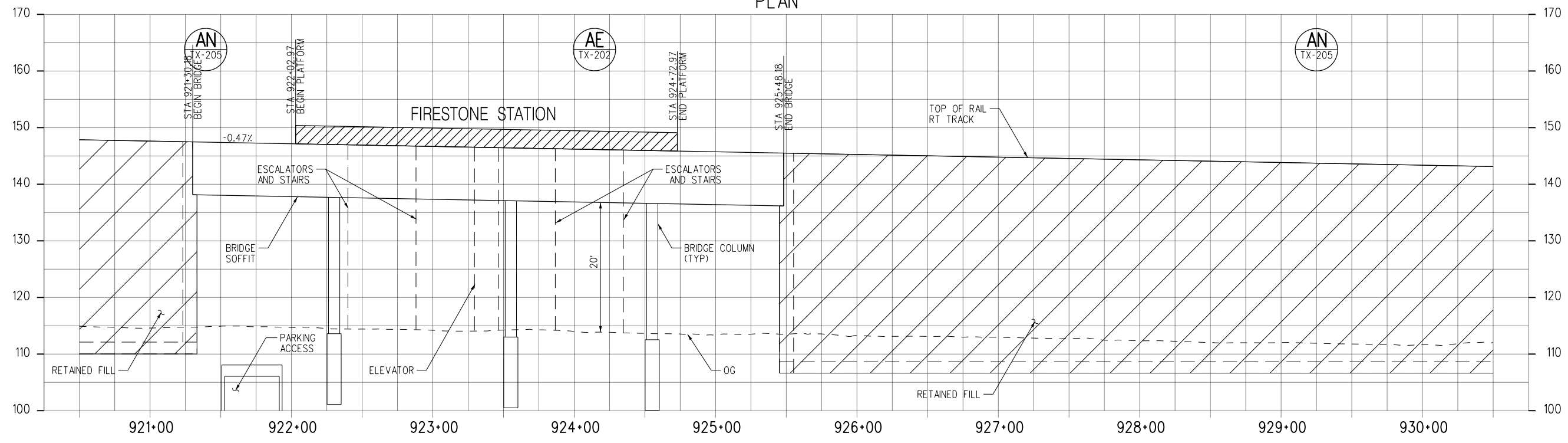


**NOTES:**

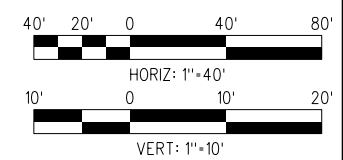
- 1. FOR STATION LAYOUT SEE STATION SITE PLANS, SHEET A11-001.
- 2. FUTURE PEDESTRIAN ACCESS FROM NORTH TO BE DETERMINED.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT214.plg  
wsppw14\_pw-svc 02:24

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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.						
3	4/7/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

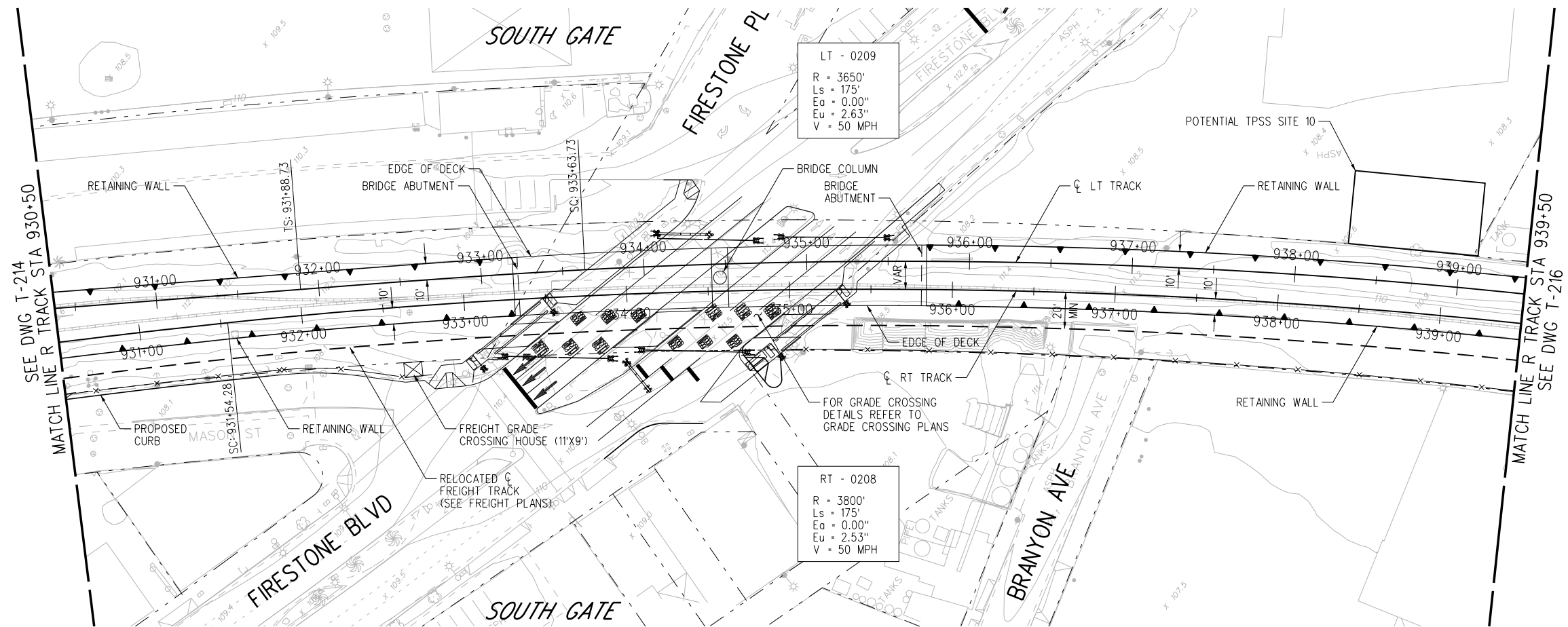
DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

**M Metro**  
**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

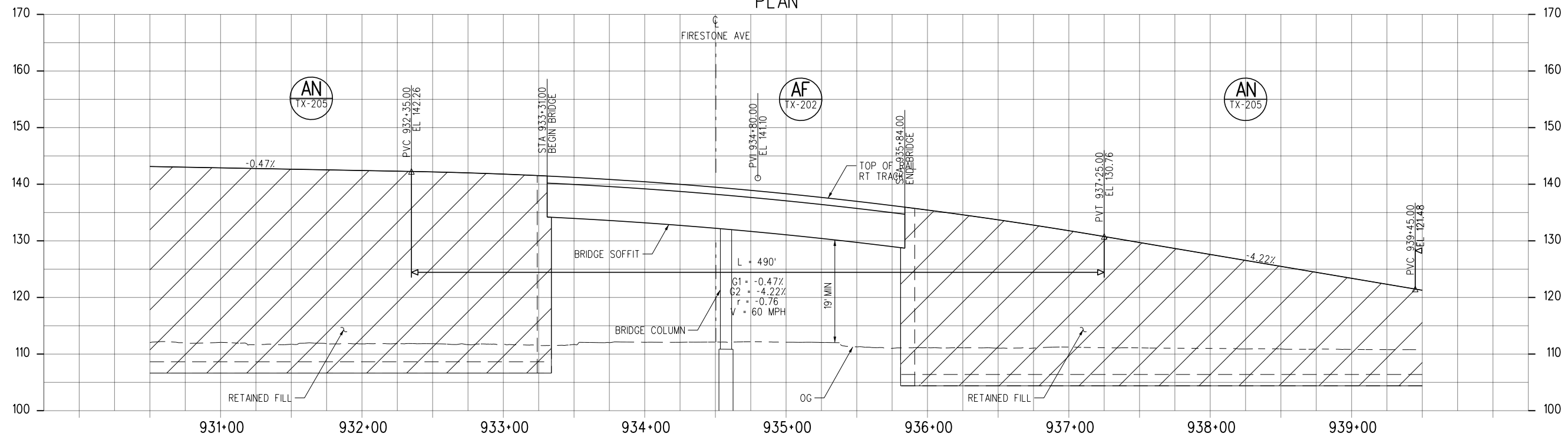
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
 TRACK ALIGNMENT  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 920+50 TO STA 930+50**

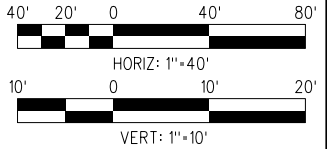
CONTRACT NO. <b>AE5999300</b>
DRAWING NO. <b>T-214</b>
SCALE HOR: 1"=40' VERT: 1"=10'
SHEET NO. 34 OF 107



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT215.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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.						
3	4/7/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

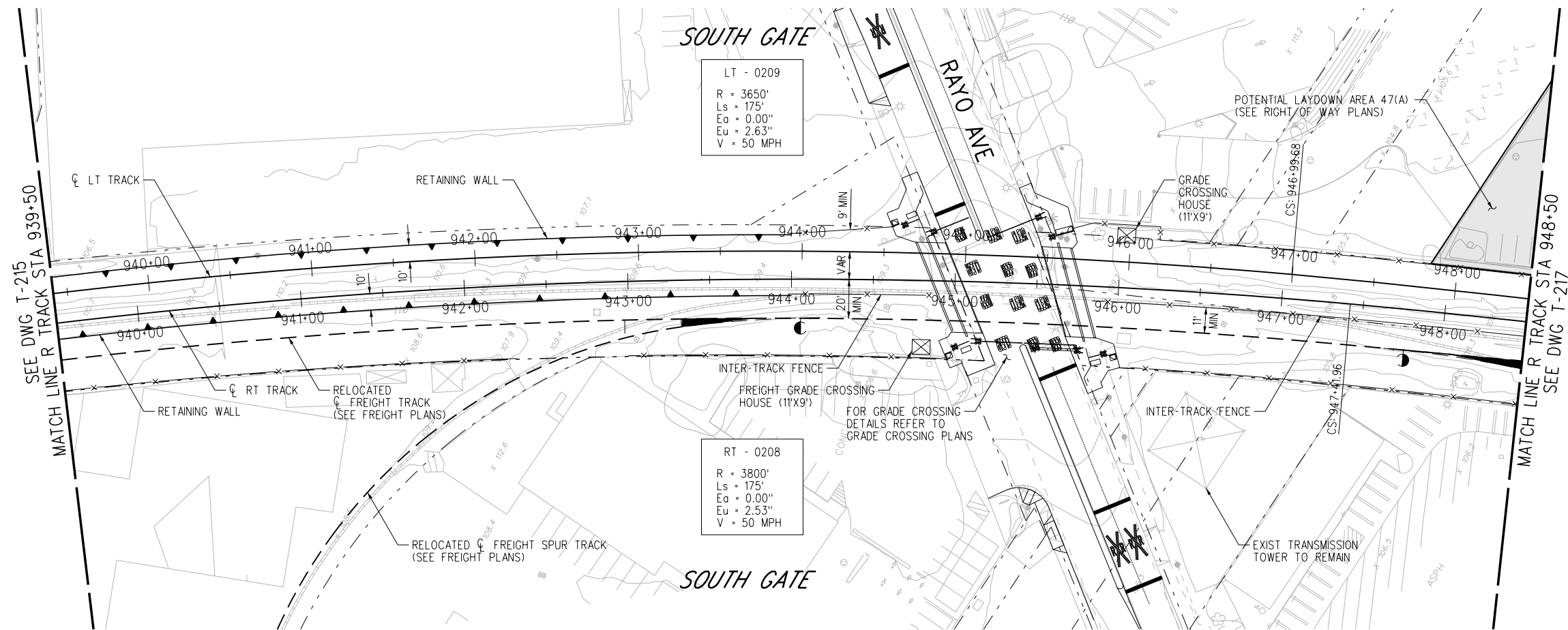
**M Metro**  
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

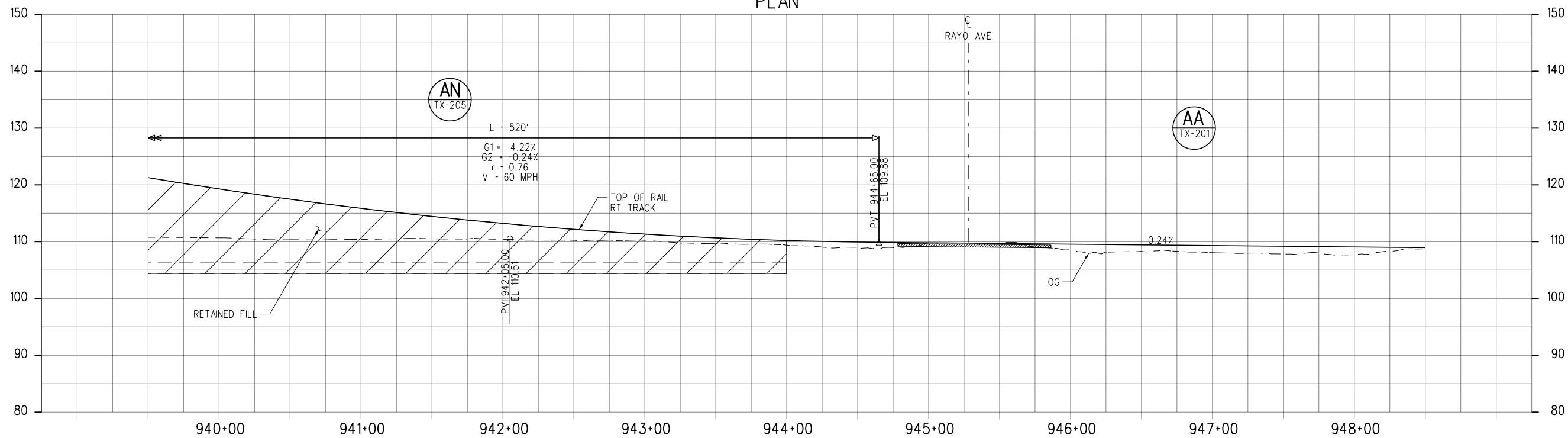
SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
TRACK ALIGNMENT  
LOCALLY PREFERRED ALTERNATIVE  
PLAN & PROFILE  
STA 930+50 TO STA 939+50**

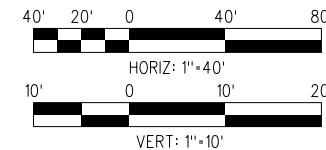
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>T-215</b>	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 35 OF 107	



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT216.plg

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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
3	4/7/2023	DRAWN BY RM
REV	DATE	CHECKED BY NM
BY	APP	IN CHARGE RL
REG NO.	EXPIRES	DATE 4/7/2023
SEAL HOLDER	DESCRIPTION REVISED FINAL ACE SUBMITTAL	

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

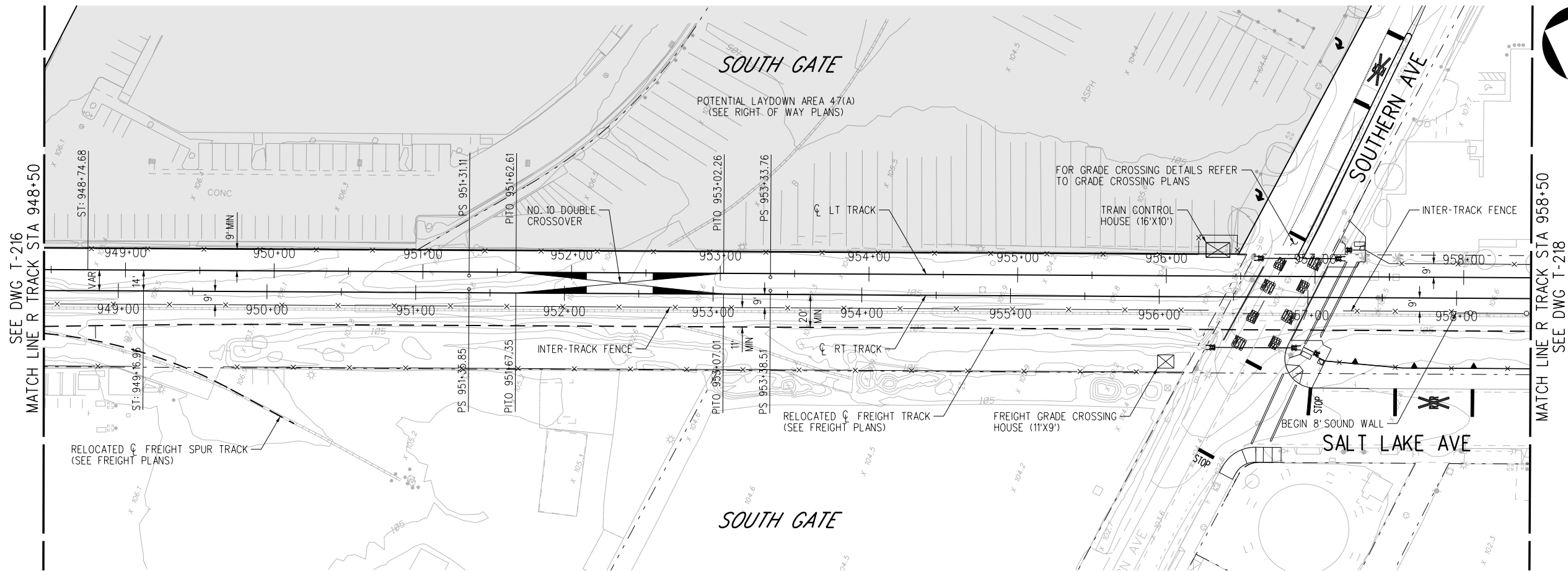
**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

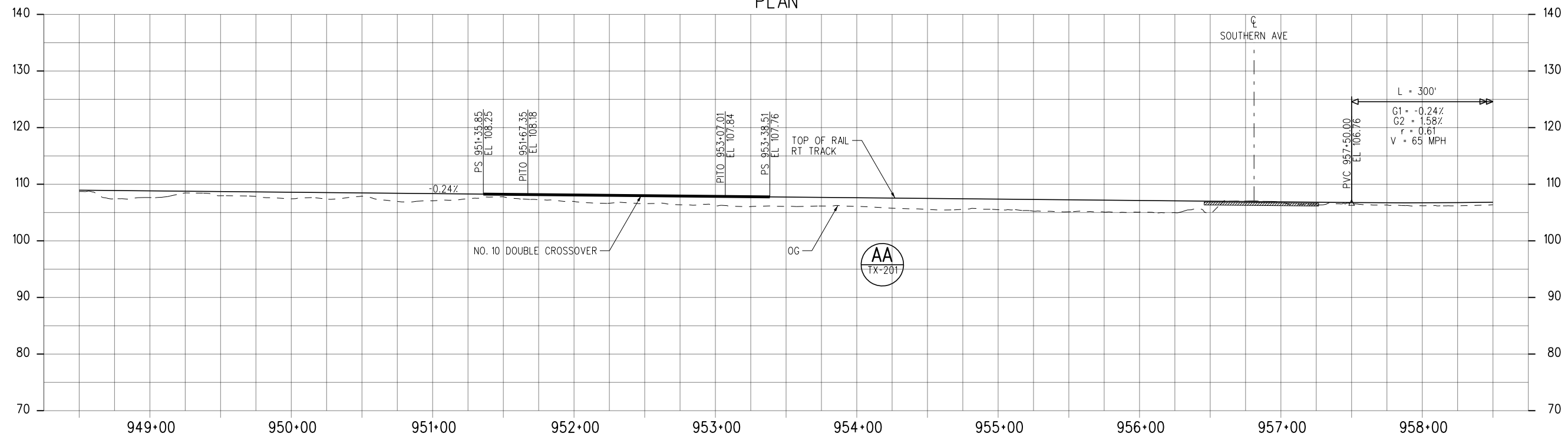
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 939+50 TO STA 948+50

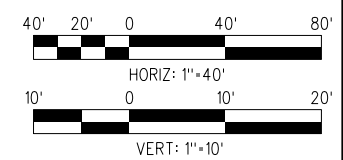
CONTRACT NO. AE5999300
DRAWING NO. T-216
SCALE HOR: 1"=40' VERT: 1"=10'
SHEET NO. 36 OF 107



PLAN



PROFILE




**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT217.plg


REVISED FINAL ACE SUBMITTAL - 4/7/2023

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	4/7/2023	REVISED FINAL ACE SUBMITTAL	DESCRIPTION	DATE
DRAWN BY	RM	BY		REG NO.	EXPIRES	SEAL HOLDER
CHECKED BY	NM	APP				
IN CHARGE	RL					
DATE	4/7/2023					

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**



515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

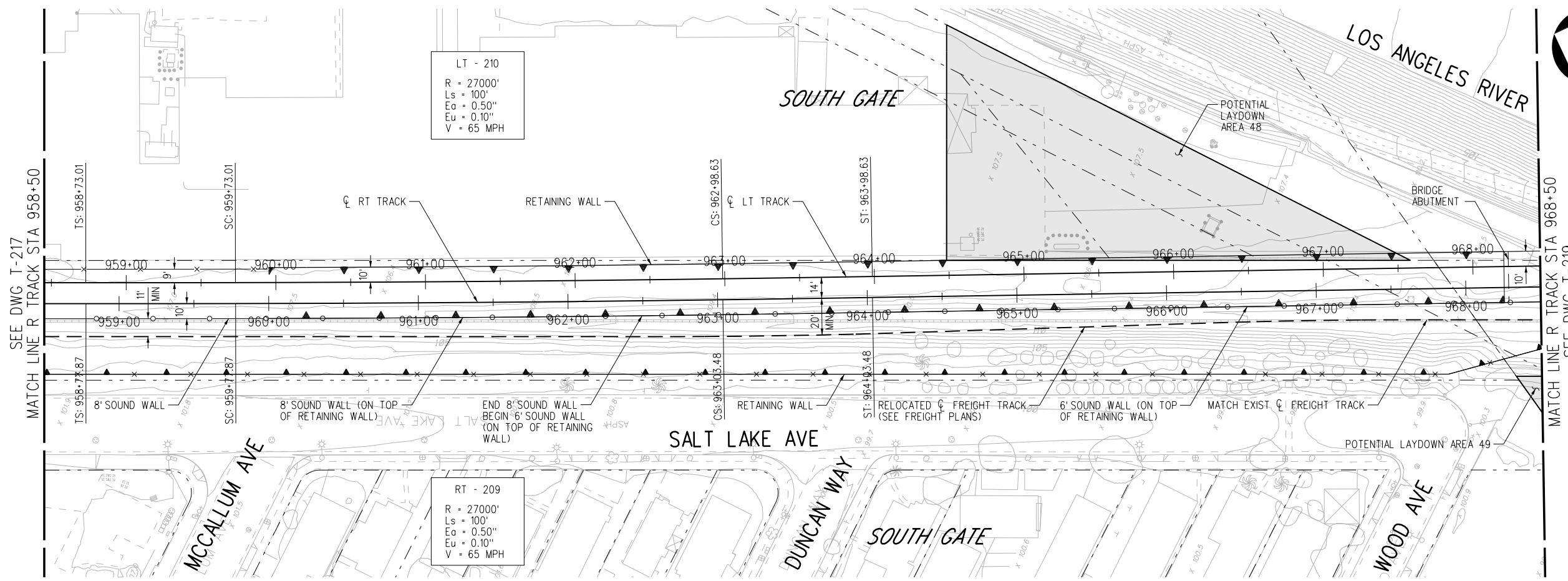
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

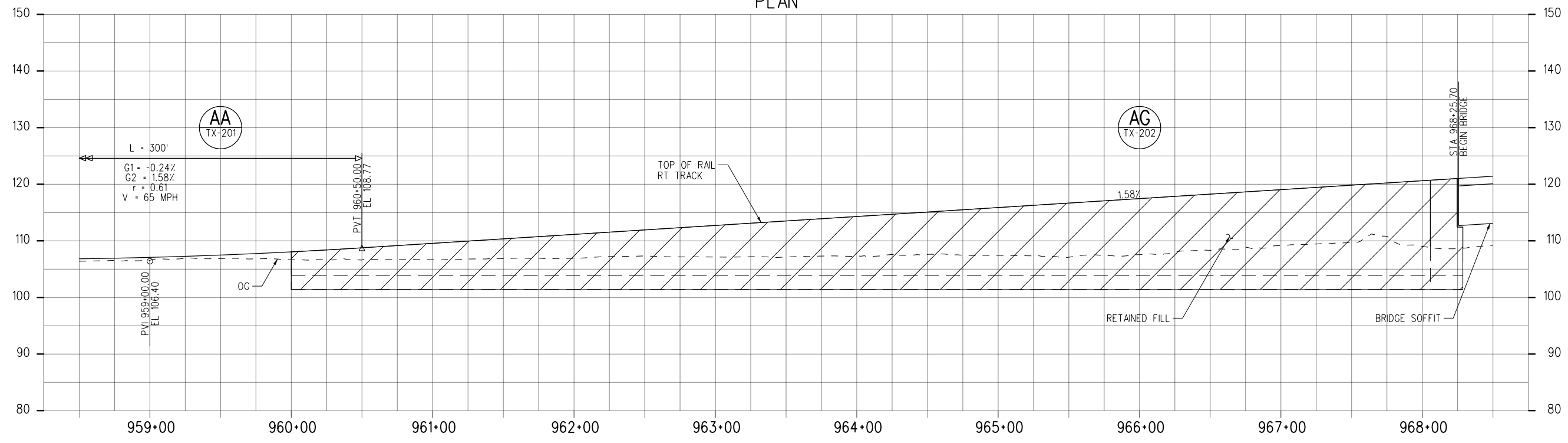
**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 948+50 TO STA 958+50**

CONTRACT NO. <b>AE5999300</b>	
DRAWING NO. <b>T-217</b>	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO. <b>37</b>	OF 107

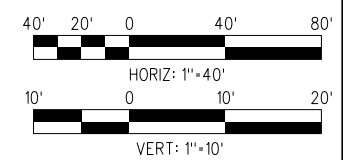




PLAN



PROFILE




**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT218.plg


REVISED FINAL ACE SUBMITTAL - 47/2023

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.						
3	4/7/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**



515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

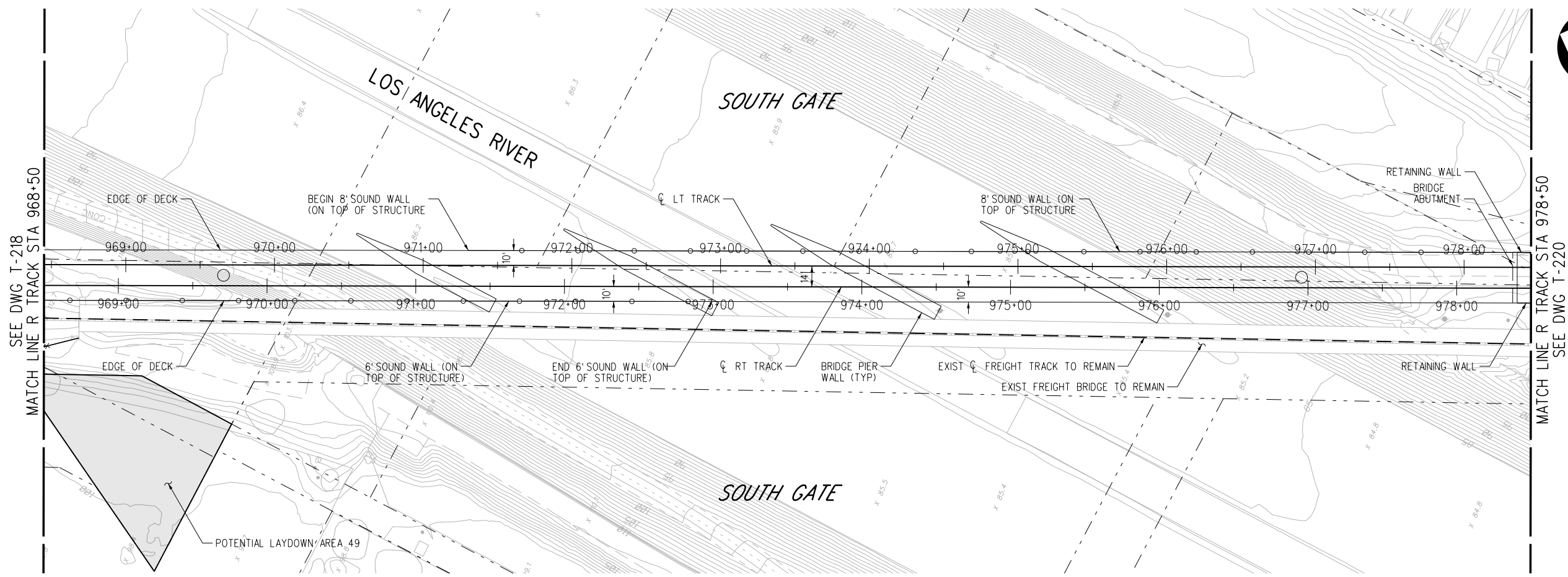
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 958+50 TO STA 968+50**

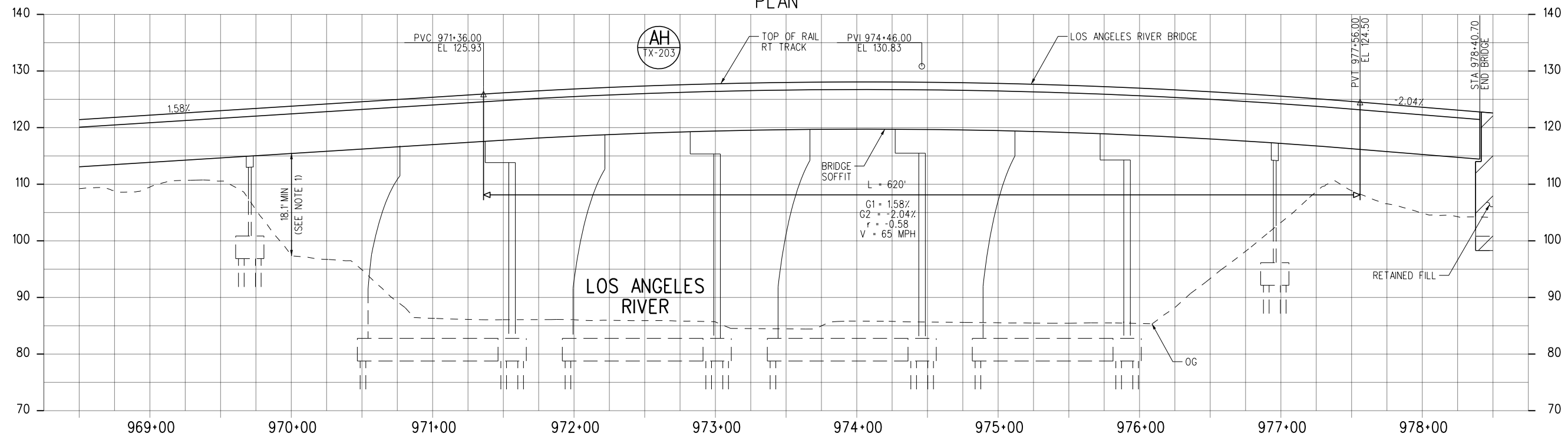
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>T-218</b>	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 38	OF 107



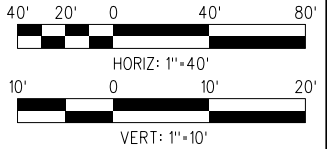
**NOTES:**  
 1. MINIMUM VERTICAL CLEARANCE INCLUDES 3.5' FREEBOARD.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT219.plg  
wspw14-pw-svc 02:26

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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
3	4/7/2023					REVISED FINAL ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

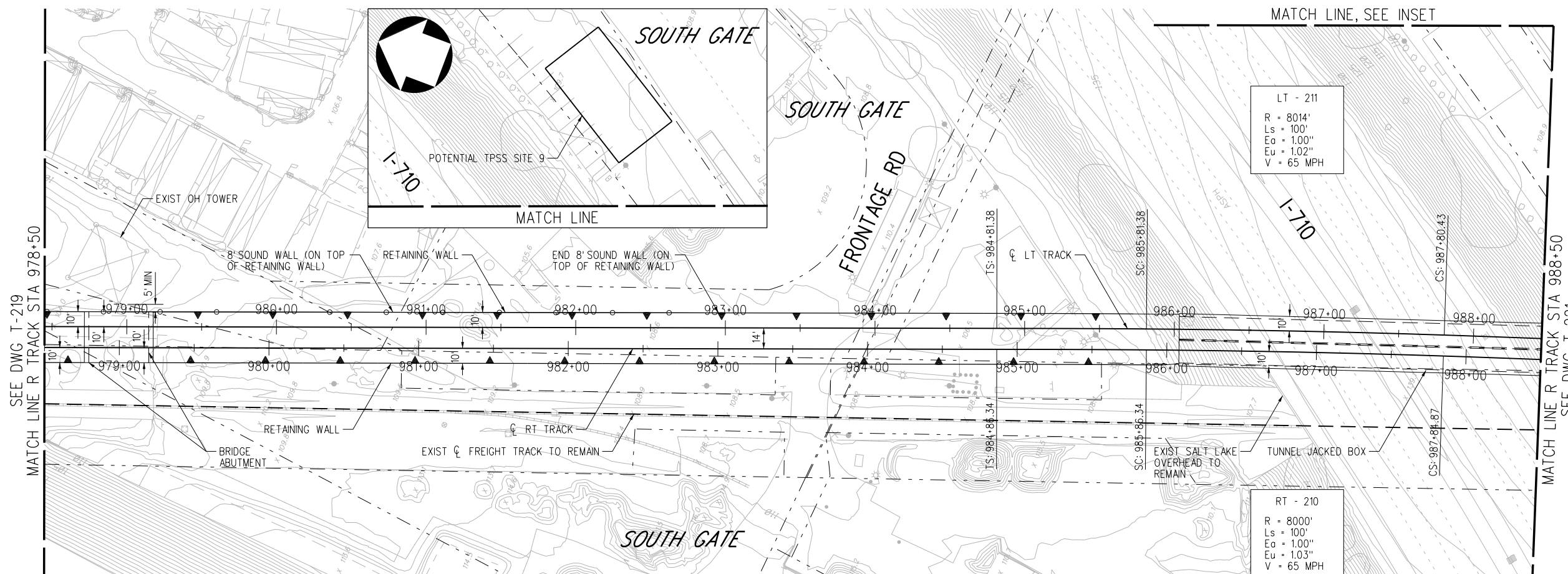
**Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

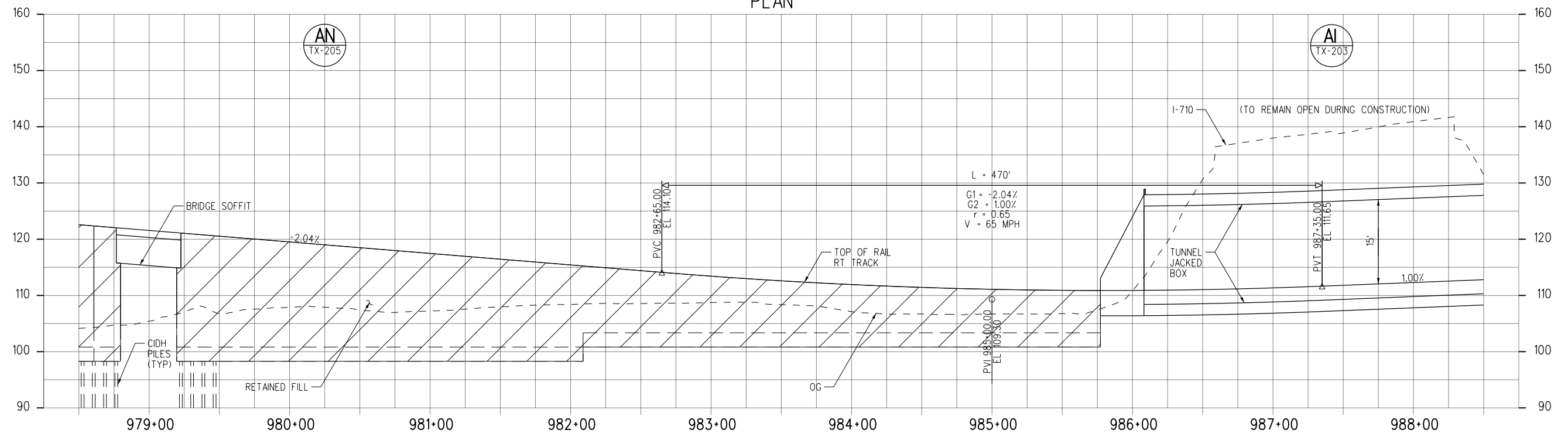
**WEST SANTA ANA BRANCH LRT  
 TRACK ALIGNMENT  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 968+50 TO STA 978+50**

CONTRACT NO. <b>AE5999300</b>
DRAWING NO. <b>T-219</b>
SCALE HORIZ: 1"=40' VERT: 1"=10'
SHEET NO. 39 OF 107



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

PLAN



PROFILE

**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT220.plg  
 wspw14-pw-svc 02:25

REVISED FINAL ACE SUBMITTAL - 12/7/2023

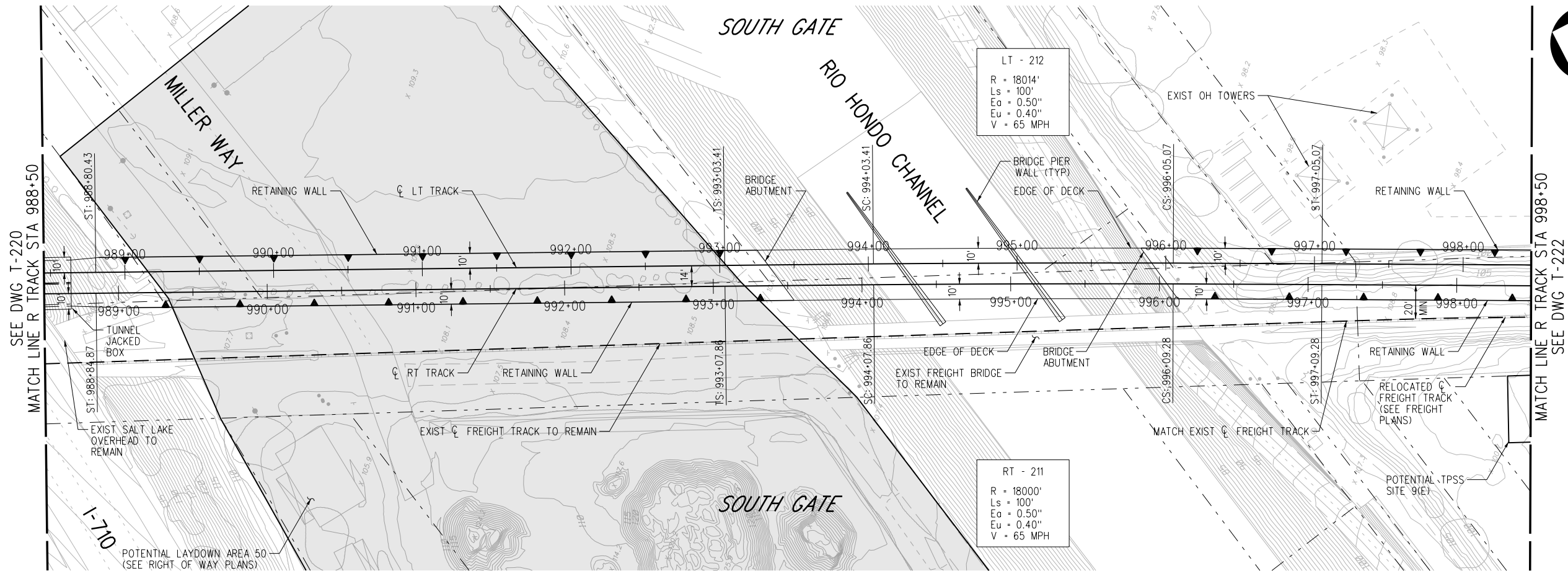
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB	 <b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>  515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	CONTRACT NO. <b>AE5999300</b>				
4	12/7/2023	DRAWN BY RM		DRAWING NO. <b>T-220</b>	REV			
		CHECKED BY NM		SCALE HOR: 1"=40' VERT: 1"=10'				
		IN CHARGE RL		SHEET NO. 40 OF 107				
		DATE 12/7/2023						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	
							REVISED FINAL ACE SUBMITTAL	

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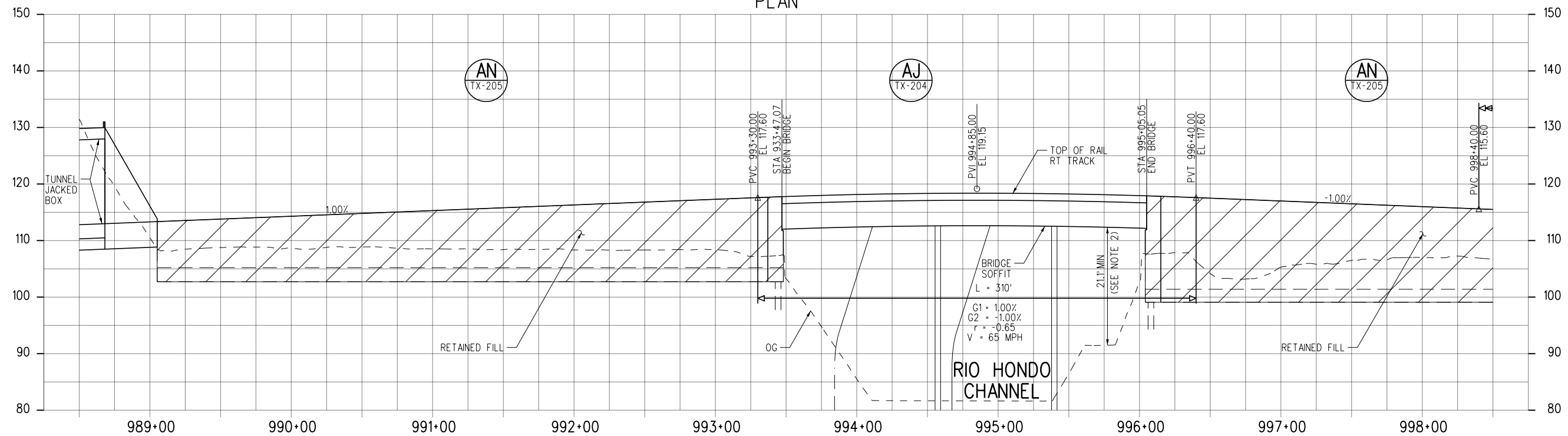


**NOTES:**

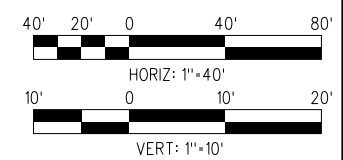
- 1. TPSS 10B LOCATED AT BASE OF I-710 EMBANKMENT BEYOND DRIVEWAY.
- 2. MINIMUM VERTICAL CLEARANCE INCLUDES 3.5' FREEBOARD.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT21.plg  
wsppw14-pw-svc 02:26

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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.						
3	4/7/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

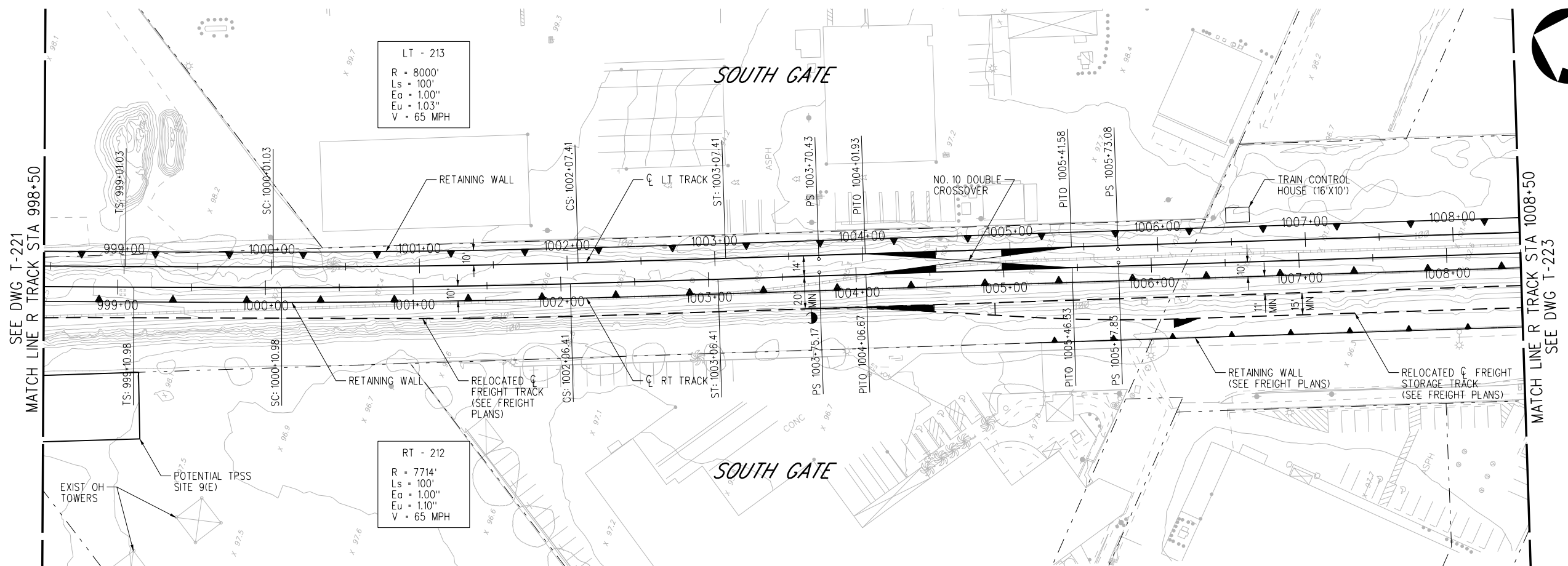
**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

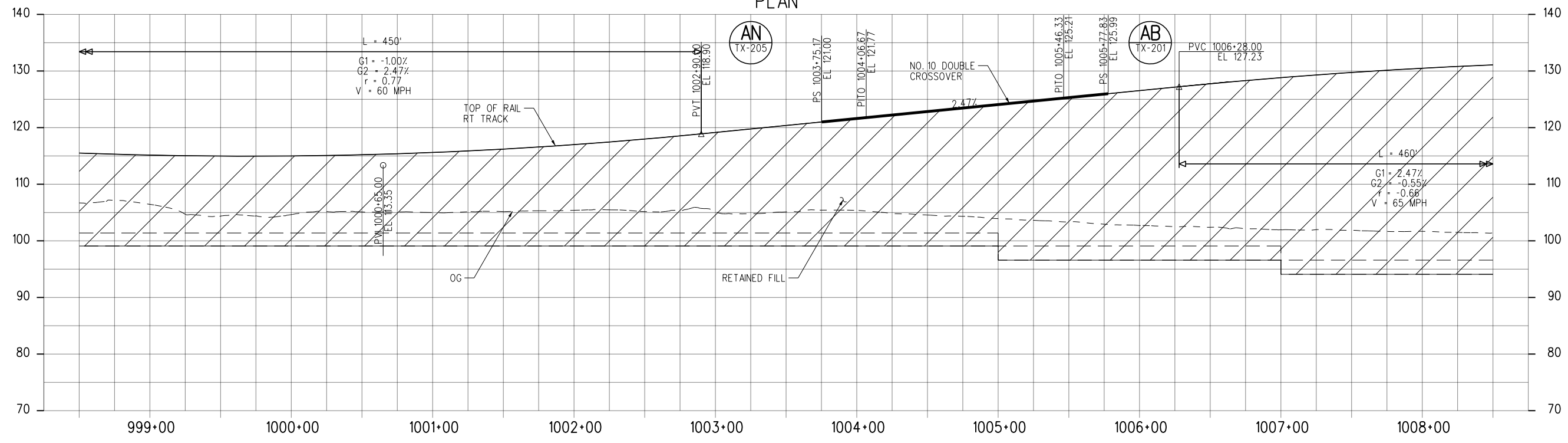
SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 988+50 TO STA 998+50**

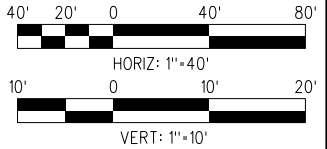
CONTRACT NO	AE5999300
DRAWING NO	T-221
SCALE	HOR: 1"=40' VERT: 1"=10'
SHEET NO	41 OF 107



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT222.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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.						
3	4/7/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

**M Metro**

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

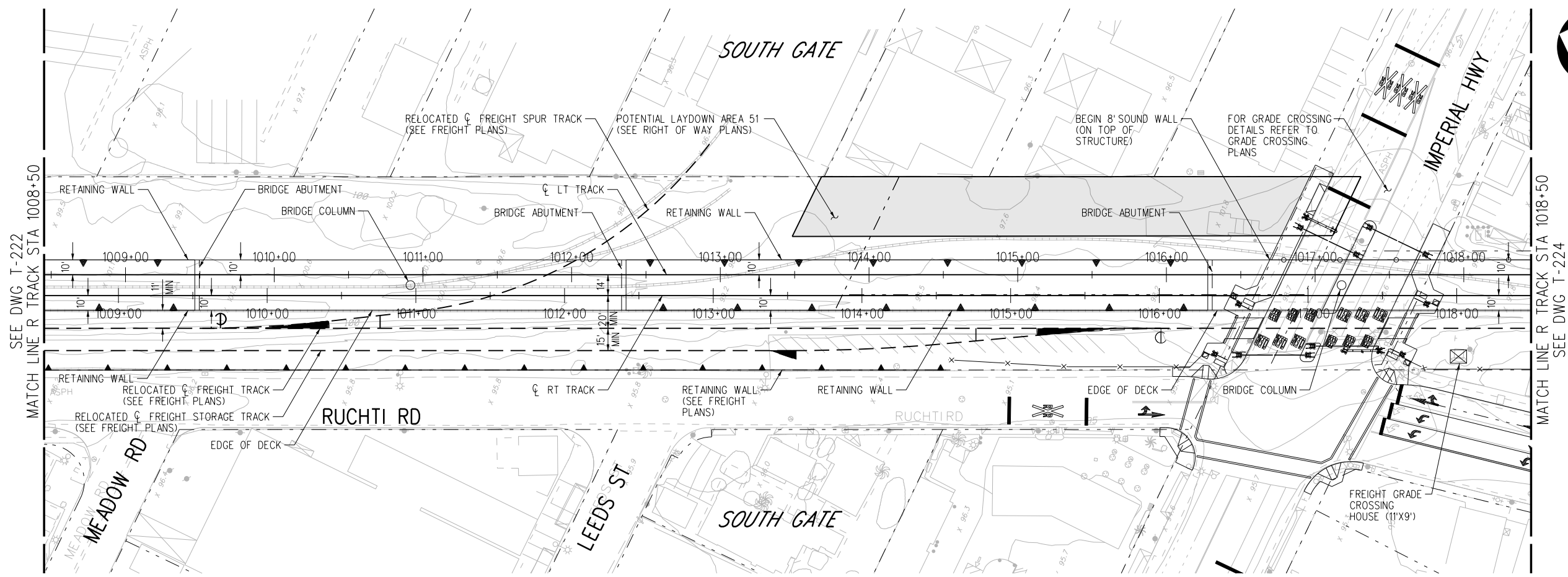
**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

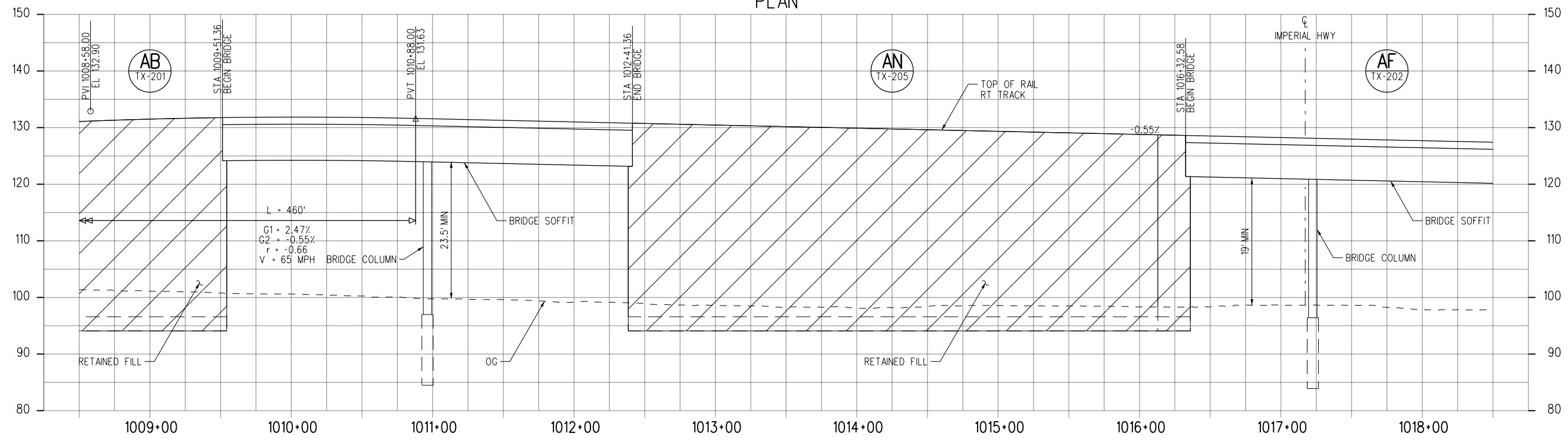
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
 STA 998+50 TO STA 1008+50

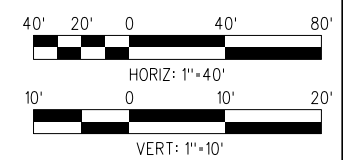
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>T-222</b>	
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO. 42	OF 107



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT223.plg

**REVISED FINAL ACE SUBMITTAL - 925/2023**

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	 <b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>	CONTRACT NO. <b>AE5999300</b>					
4	9/25/2023	DRAWN BY RM		DRAWING NO. <b>T-223</b>					
		CHECKED BY NM		SCALE HOR: 1"=40' VERT: 1"=10'					
		IN CHARGE RL		SHEET NO. 43 OF 107					
		DATE 9/25/2023							
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION		
							REVISED FINAL ACE SUBMITTAL		

DESIGNED BY CB	 <b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>
DRAWN BY RM	
CHECKED BY NM	
IN CHARGE RL	
DATE 9/25/2023	

515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

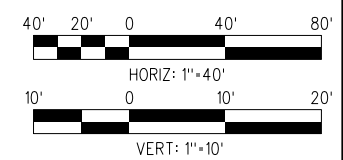
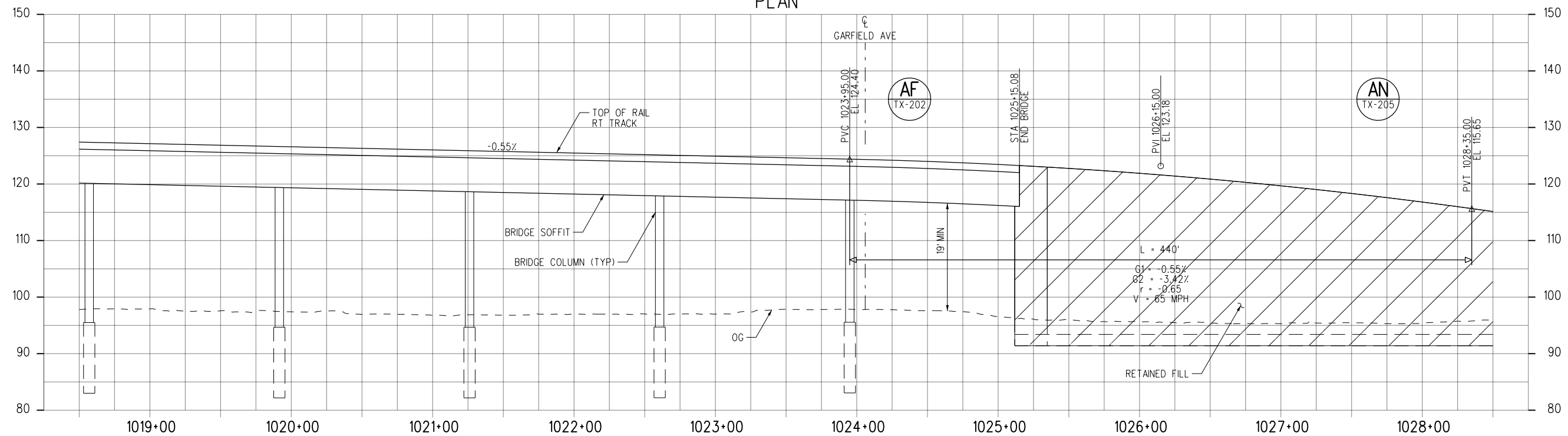
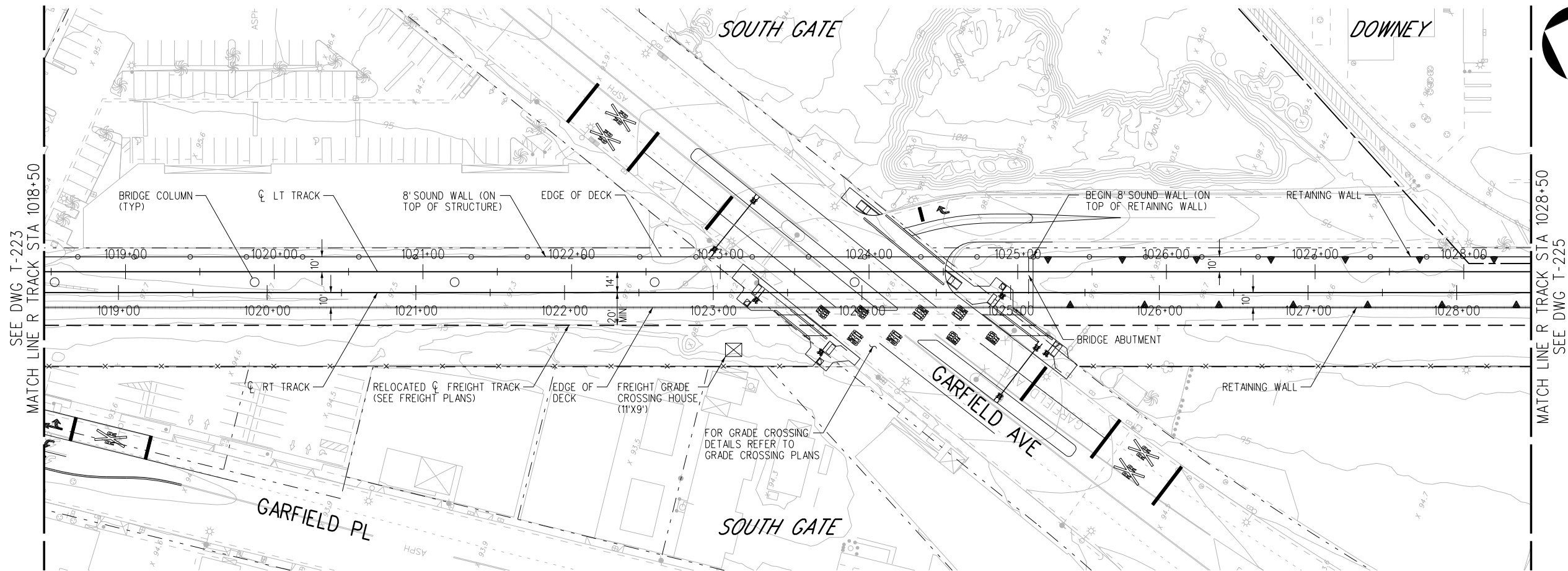
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**

**LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE**

**STA 1008+50 TO STA 1018+50**





**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT224.plg

**REVISED FINAL ACE SUBMITTAL - 9/25/2023**

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
4	9/25/2023					
						REVISOR
						DESCRIPTION
						REVISED FINAL ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 9/25/2023

**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

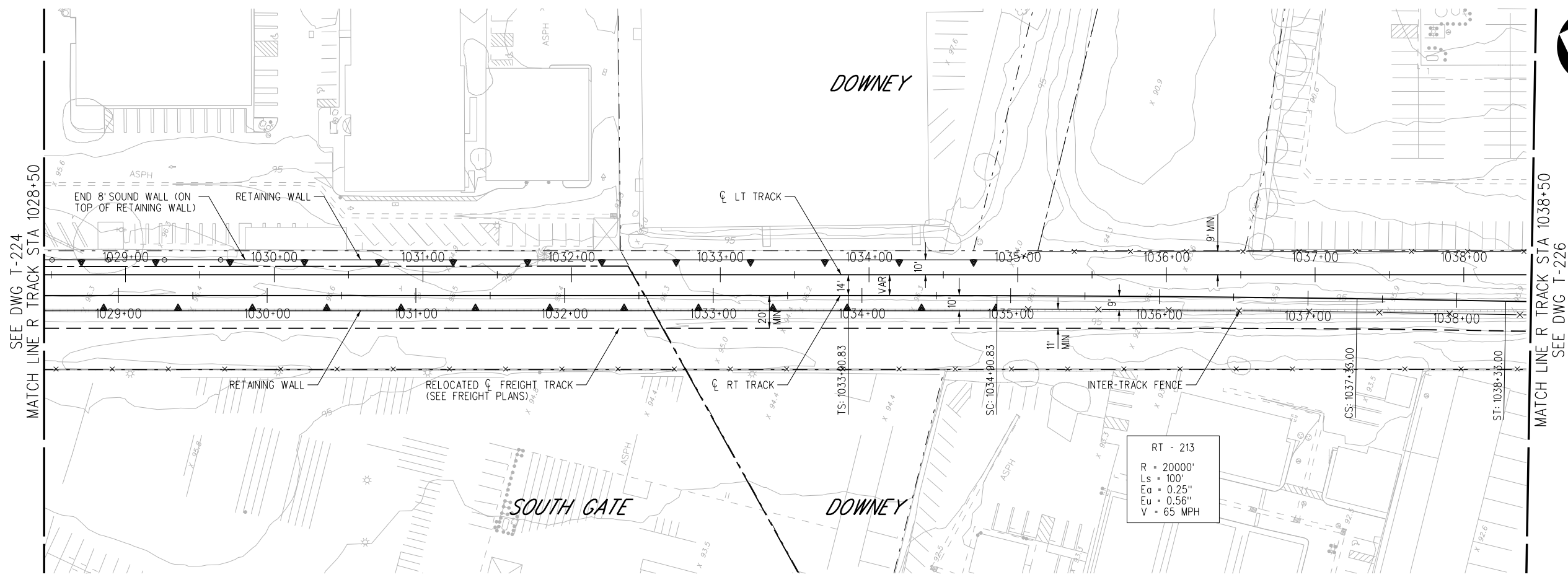
**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED: \_\_\_\_\_  
 APPROVED: \_\_\_\_\_

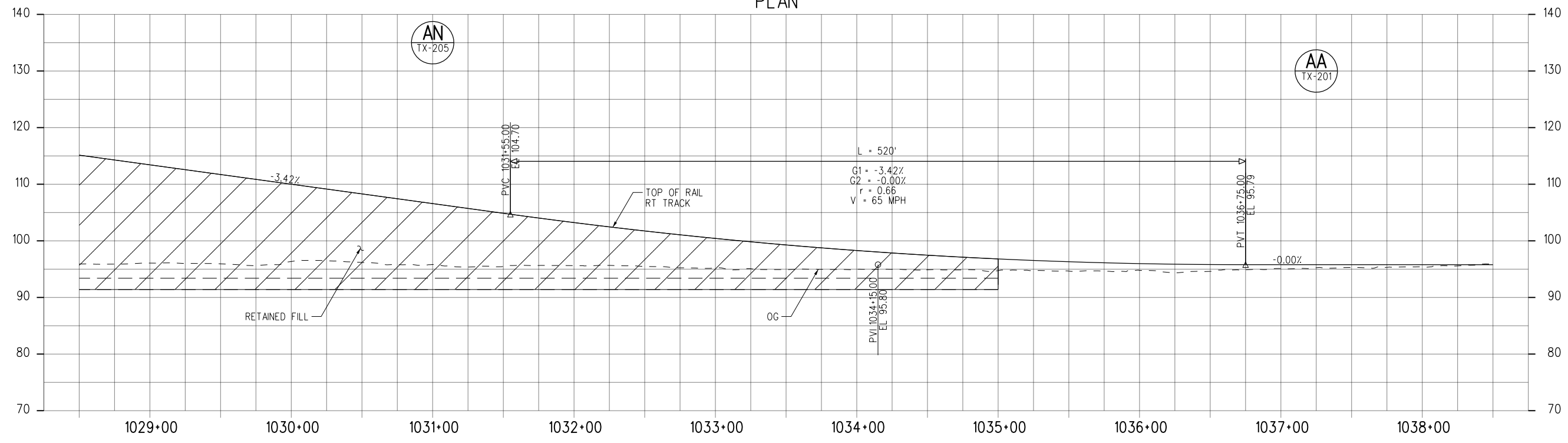
**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 1018+50 TO STA 1028+50**

CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>T-224</b>	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 44 OF 107	

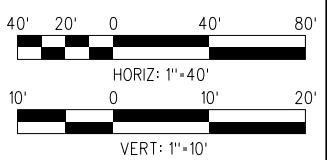




PLAN



PROFILE




**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT225.plg


**REVISED FINAL ACE SUBMITTAL - 9/25/2023**

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
4	9/25/2023					REVISED FINAL ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 9/25/2023



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**



515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

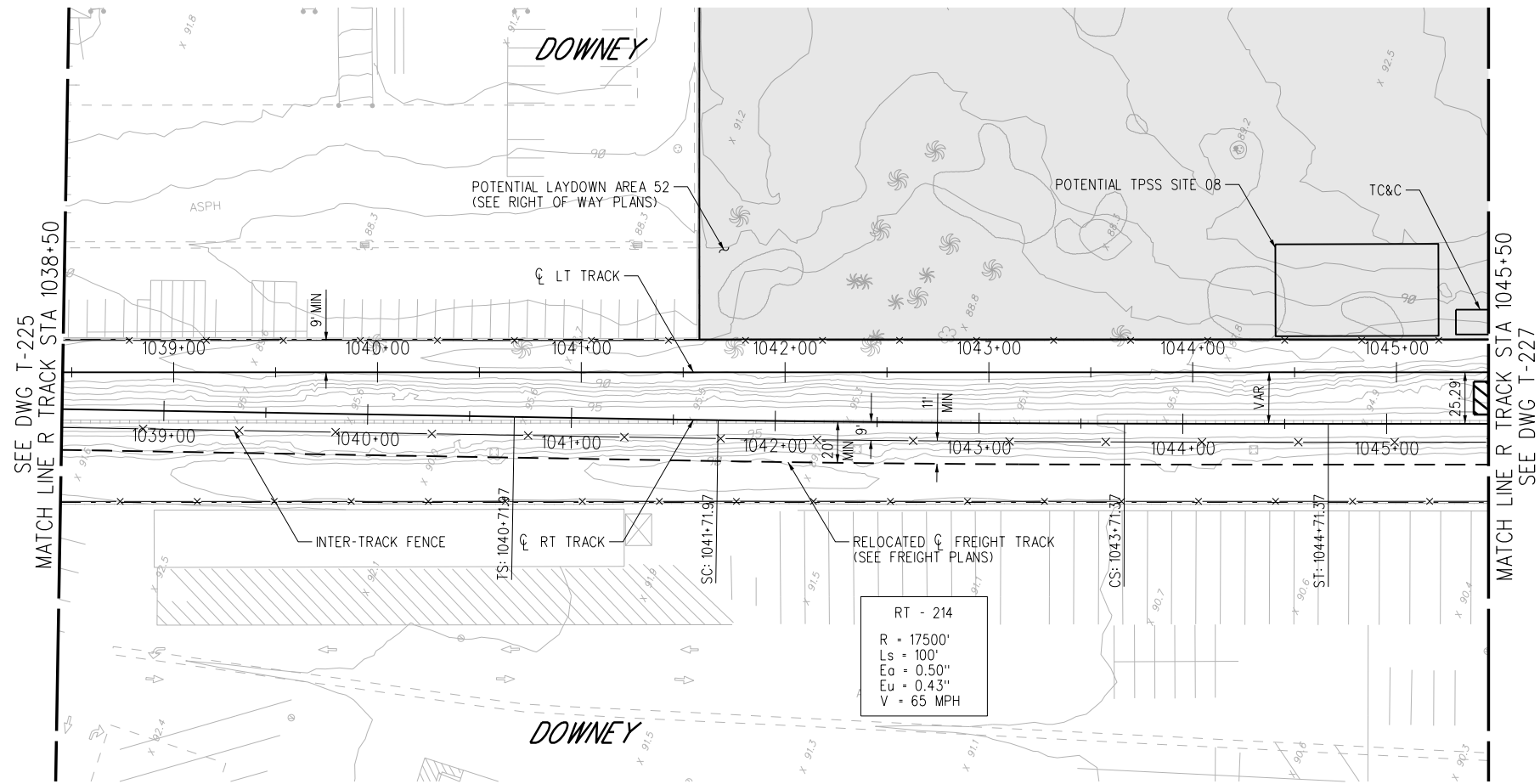
SUBMITTED	_____
APPROVED	_____

**WEST SANTA ANA BRANCH LRT  
 TRACK ALIGNMENT  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 1028+50 TO STA 1038+50**

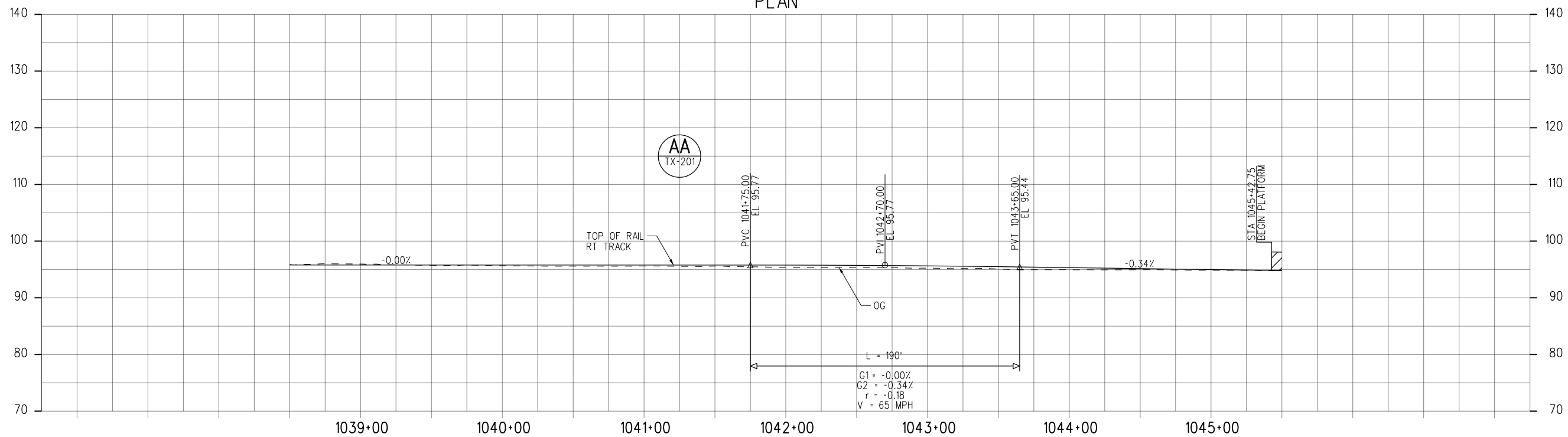
CONTRACT NO. <b>AE5999300</b>
DRAWING NO. <b>T-225</b>
SCALE HORIZ: 1"=40' VERT: 1"=10'
SHEET NO. 45 OF 107

15-DEC-2023 E-28091AT226.plg

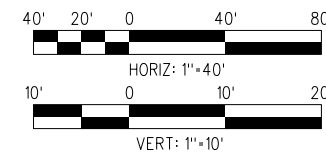
wspw14-pw-svc 02:25



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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	4/7/2023	BY		DESCRIPTION
DRAWN BY	RM	APP		REG NO.		REVISED FINAL ACE SUBMITTAL
CHECKED BY	NM	EXPIRES		SEAL HOLDER		
IN CHARGE	RL					
DATE	4/7/2023					

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

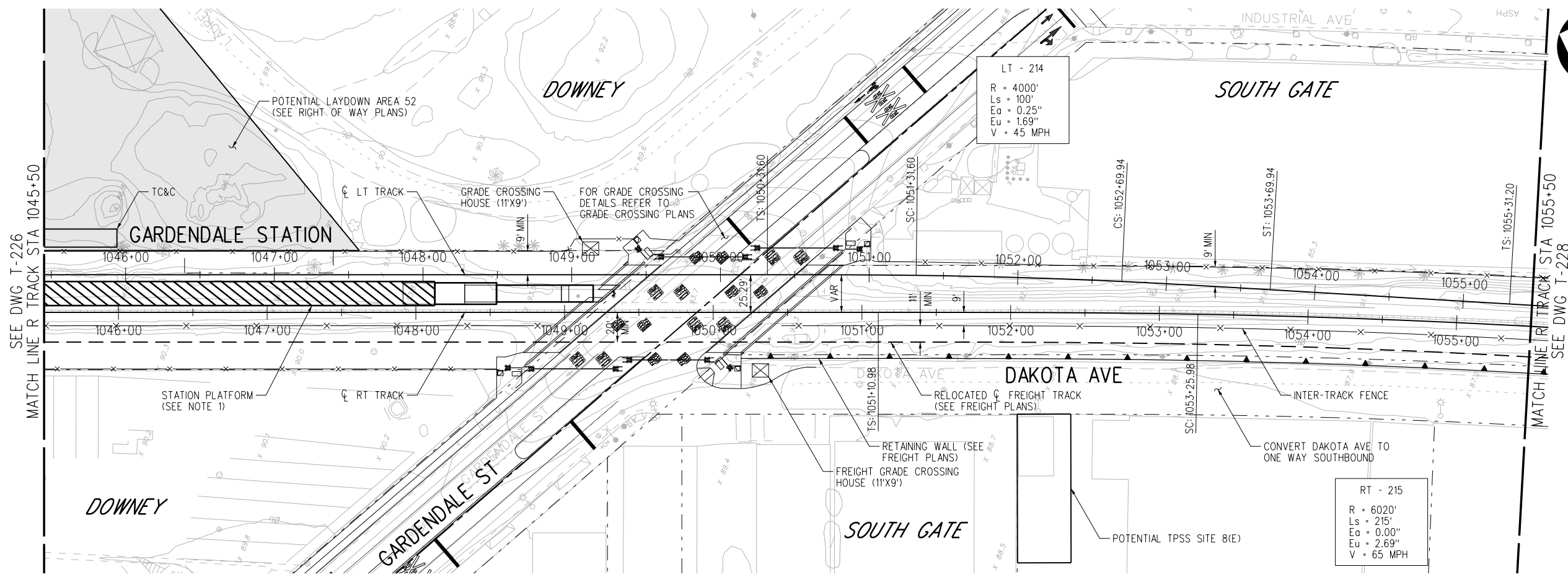
APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 1038+50 TO STA 1045+50

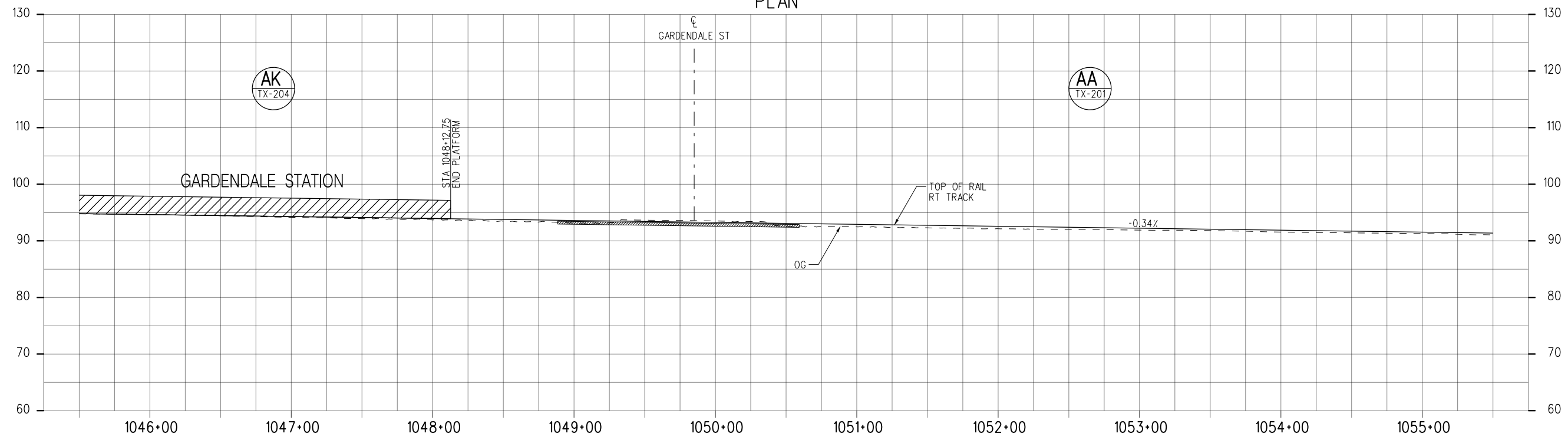
CONTRACT NO. AE5999300  
 DRAWING NO. T-226  
 SCALE: HORIZ: 1"=40' VERT: 1"=10'  
 SHEET NO. 46 OF 107



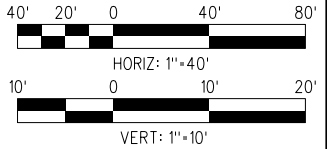
**NOTES:**  
 1. FOR STATION LAYOUT SEE STATION SITE PLANS, SHEET A12-001.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT227.plg

REVISED FINAL ACE SUBMITTAL - 12/7/2023

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
4	12/7/2023	DRAWN BY RM
REV	DATE	CHECKED BY NM
BY	APP	IN CHARGE RL
REG NO.	EXPIRES	DATE 12/7/2023
SEAL HOLDER	REVISOR	
	DESCRIPTION	
	REVISOR	

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 12/7/2023

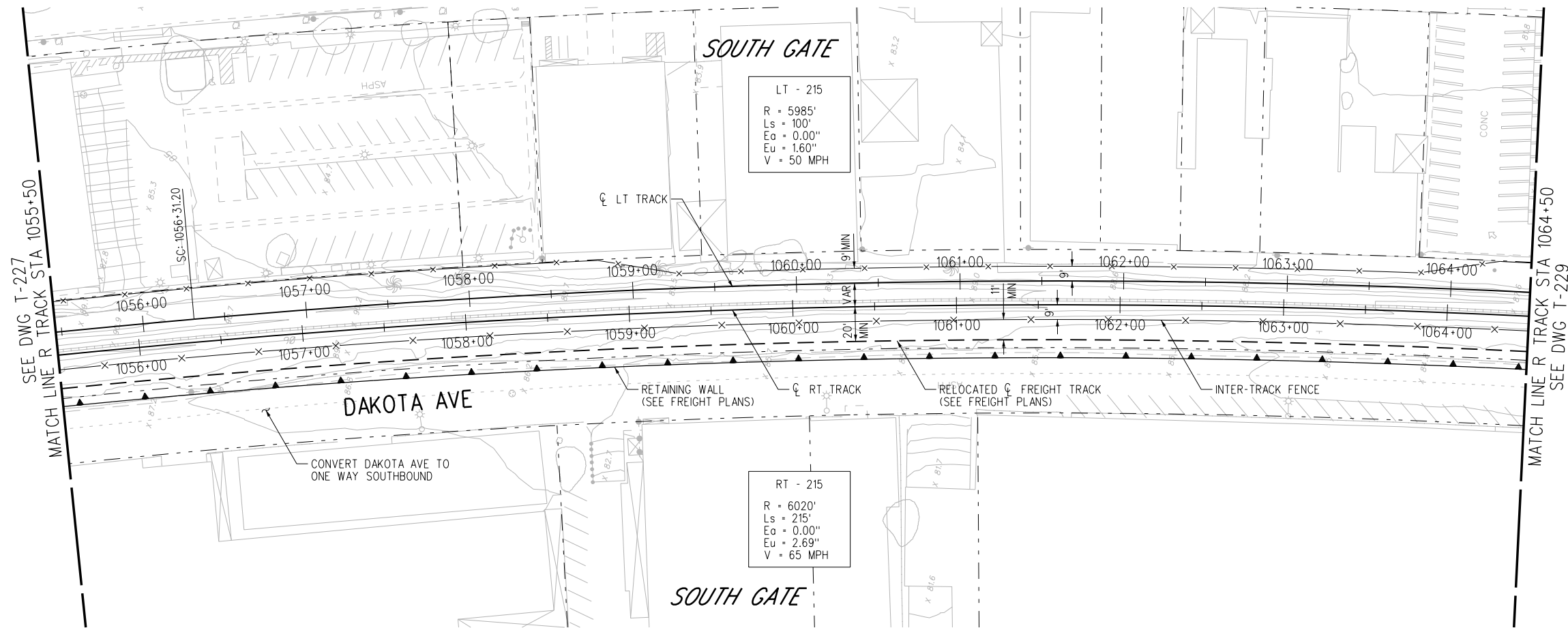
**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

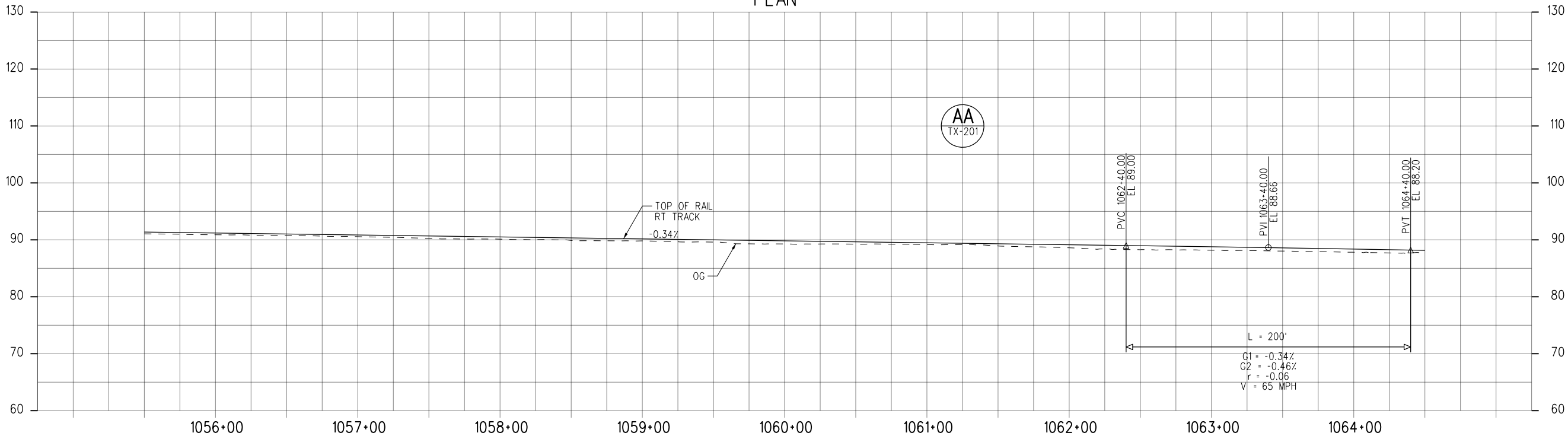
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 1045+50 TO STA 1055+50

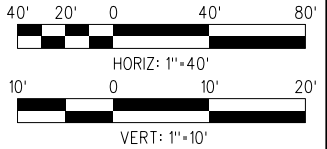
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>T-227</b>	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 47	OF 107



PLAN



PROFILE

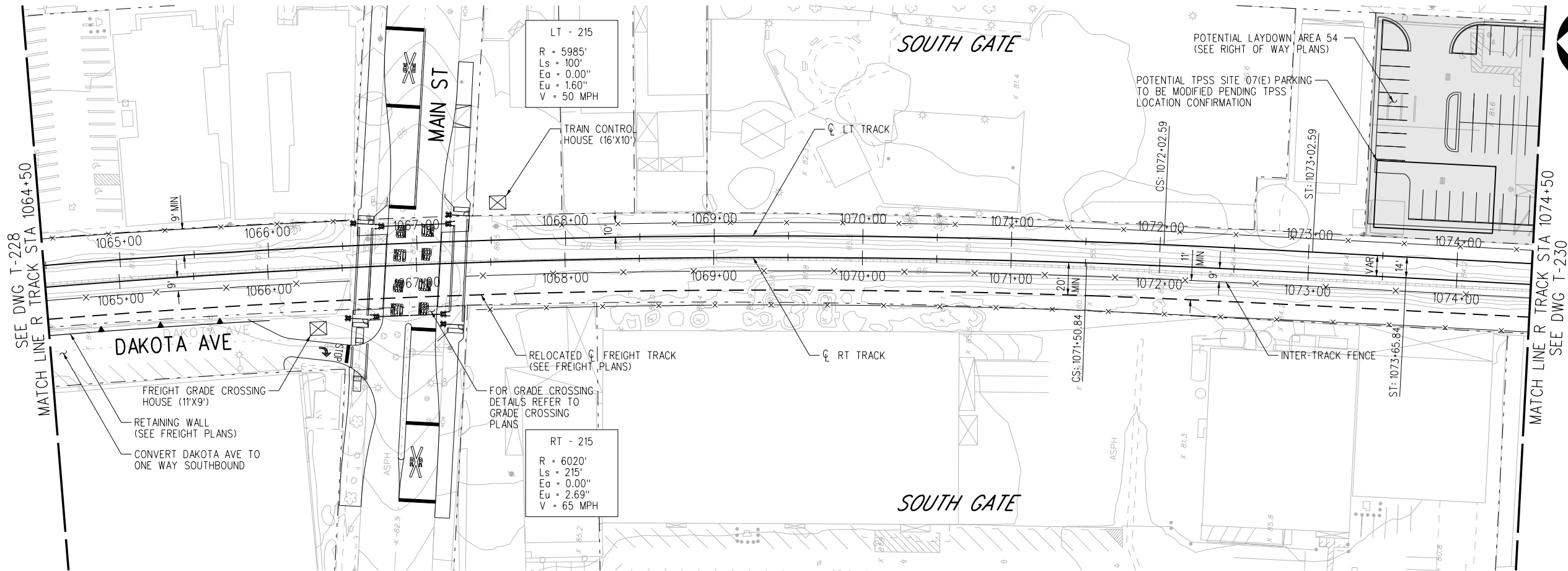


**NOT FOR CONSTRUCTION**

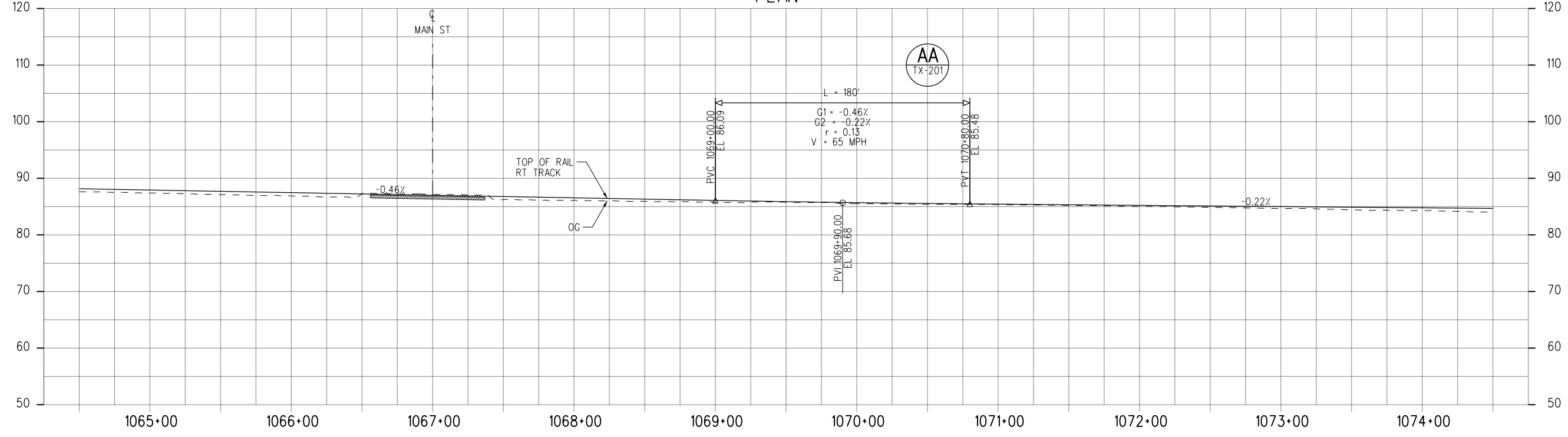
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 wspw14-pw-svc 02:25

REVISED FINAL ACE SUBMITTAL - 4/7/2023

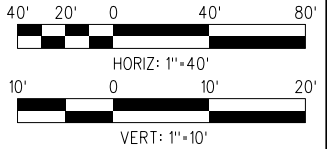
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB	 <b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>  515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	CONTRACT NO. <b>AE5999300</b>
3	4/7/2023	DRAWN BY RM		DRAWING NO. <b>T-228</b>
REV	DATE	CHECKED BY NM		SCALE HORIZ: 1"=40' VERT: 1"=10'
BY	APP	IN CHARGE RL		SHEET NO. 48 OF 107
REG NO.	EXPIRES	DATE 4/7/2023		
SEAL HOLDER	DESCRIPTION REVISED FINAL ACE SUBMITTAL			



PLAN



PROFILE




**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT229.plg


REVISED FINAL ACE SUBMITTAL - 4/7/2023

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
3	4/7/2023					REVISED FINAL ACE SUBMITTAL
						SEAL HOLDER

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**



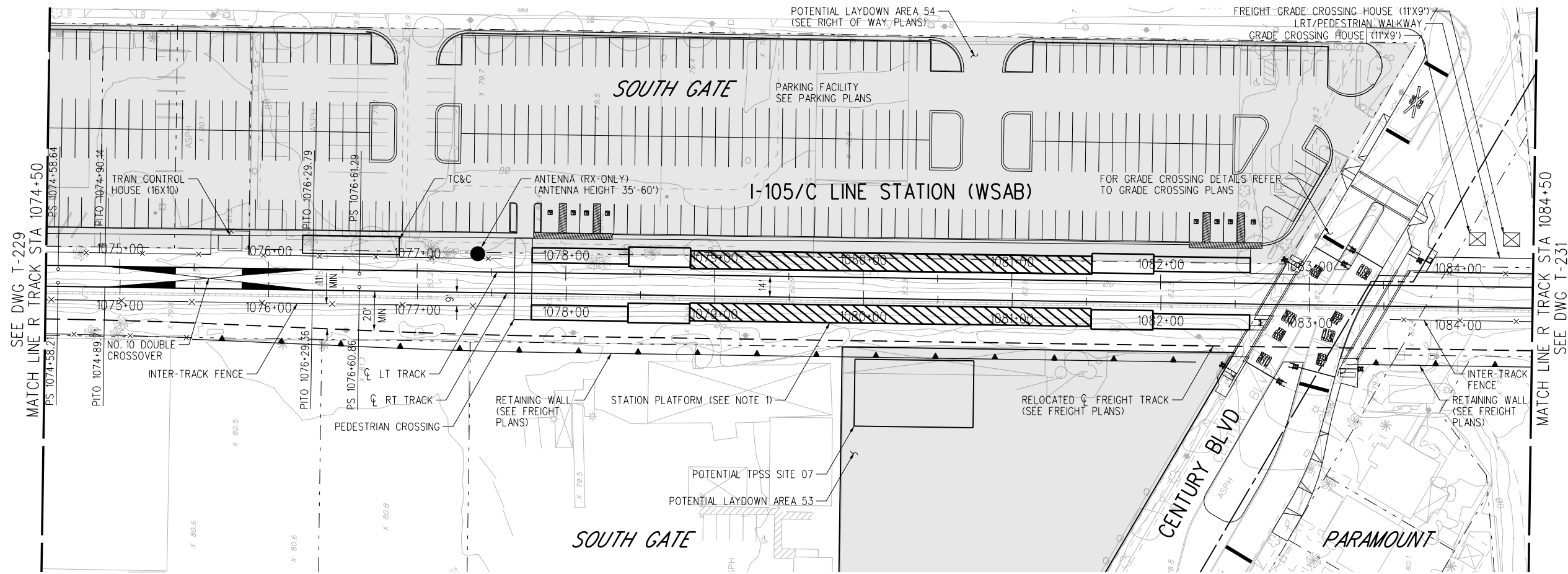
515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

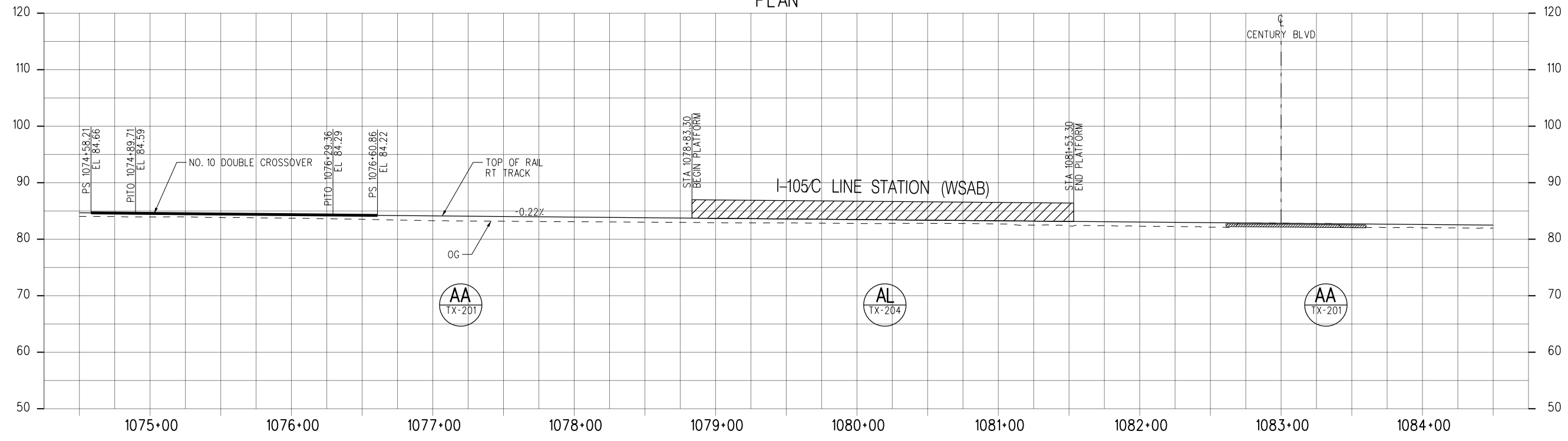
<p><b>WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT</b>  <b>LOCALLY PREFERRED ALTERNATIVE</b>  <b>PLAN &amp; PROFILE</b>          STA 1064+50 TO STA 1074+50</p>	
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>T-229</b>	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 49 OF 107	



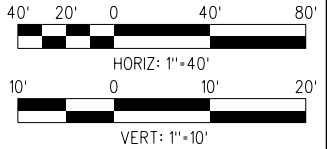
**NOTES:**  
 1. FOR STATION LAYOUT SEE STATION SITE PLANS, SHEET A13-001.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT230.plg  
 wspw14\_pw-svc 02:25

REVISED FINAL ACE SUBMITTAL - 4/7/2023

DESIGNED BY	CB						
DRAWN BY	RM						
CHECKED BY	NM						
IN CHARGE	RL						
DATE	4/7/2023						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

**M Metro**

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

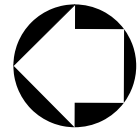
515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

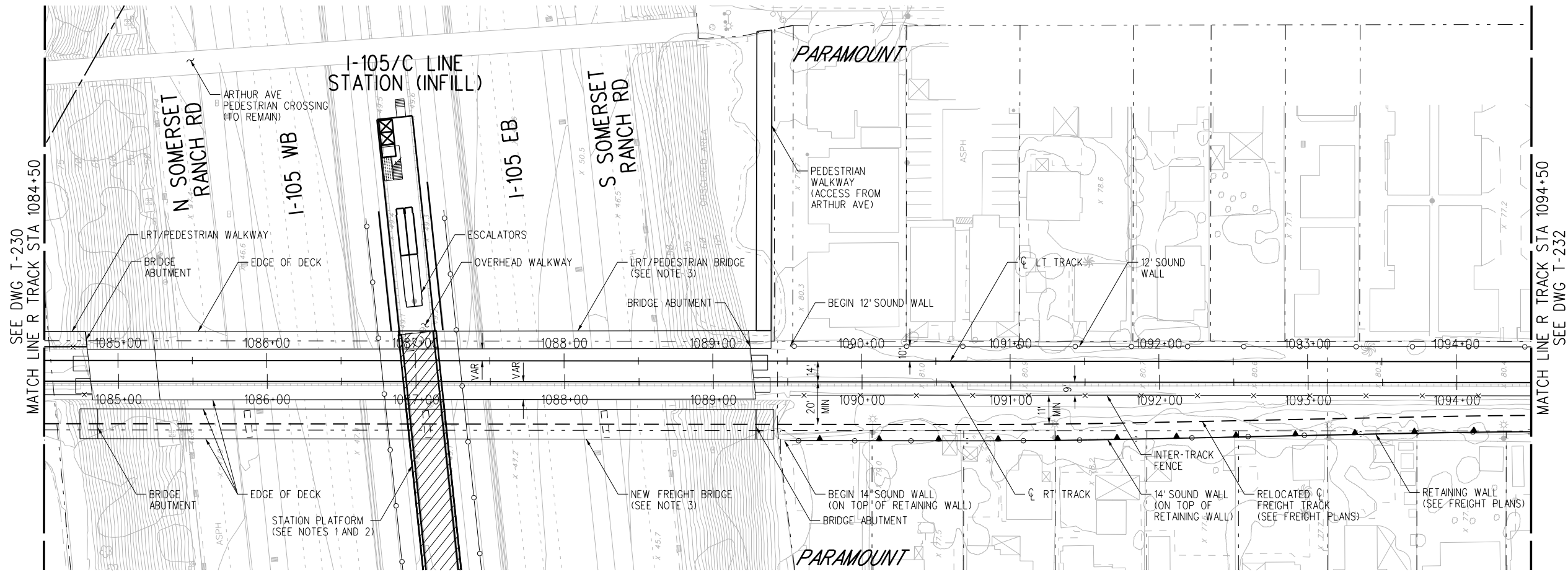
**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
 STA 1074+50 TO STA 1084+50

CONTRACT NO.	AE5999300
DRAWING NO.	T-230
SCALE	HOR: 1"=40' VERT: 1"=10'
SHEET NO.	50 OF 107

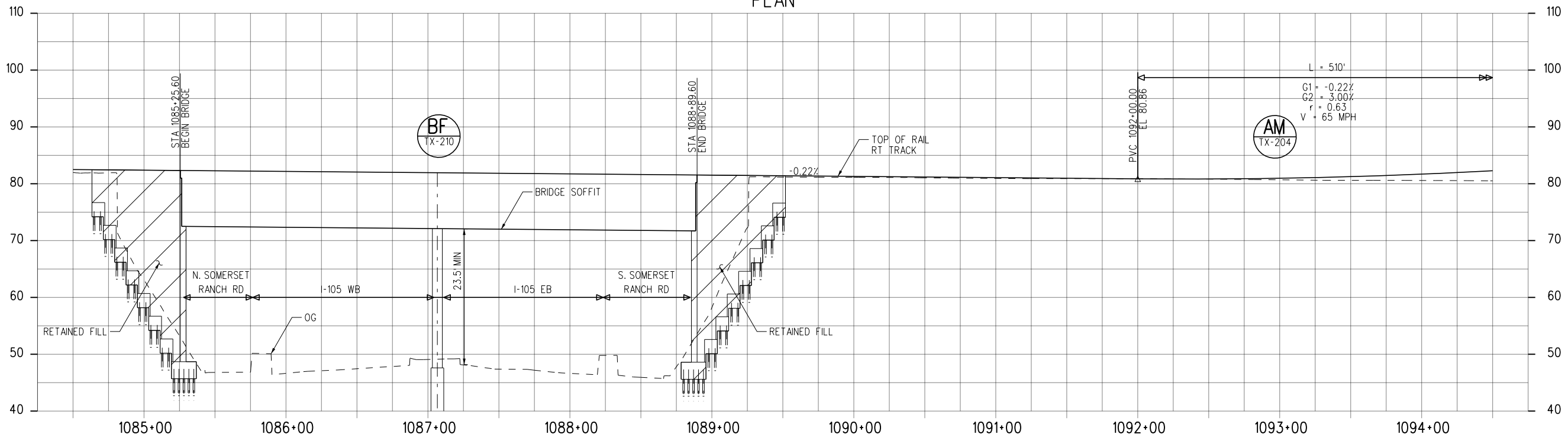


**NOTES:**

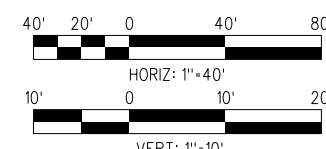
- 1. FOR STATION LAYOUT SEE STATION SITE PLANS, SHEET A13-001.
- 2. FOR I-105 IMPROVEMENTS SEE SHEETS T-265 THRU T-267.
- 3. BRIDGE TO INCLUDE ARCHITECTURAL TREATMENT CONSISTENT WITH EXISTING BRIDGES IN THE VICINITY.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT231.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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
3	4/7/2023					
						REVISOR
						DESCRIPTION
						REVISED FINAL ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

**M Metro**

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 1084+50 TO STA 1094+50**

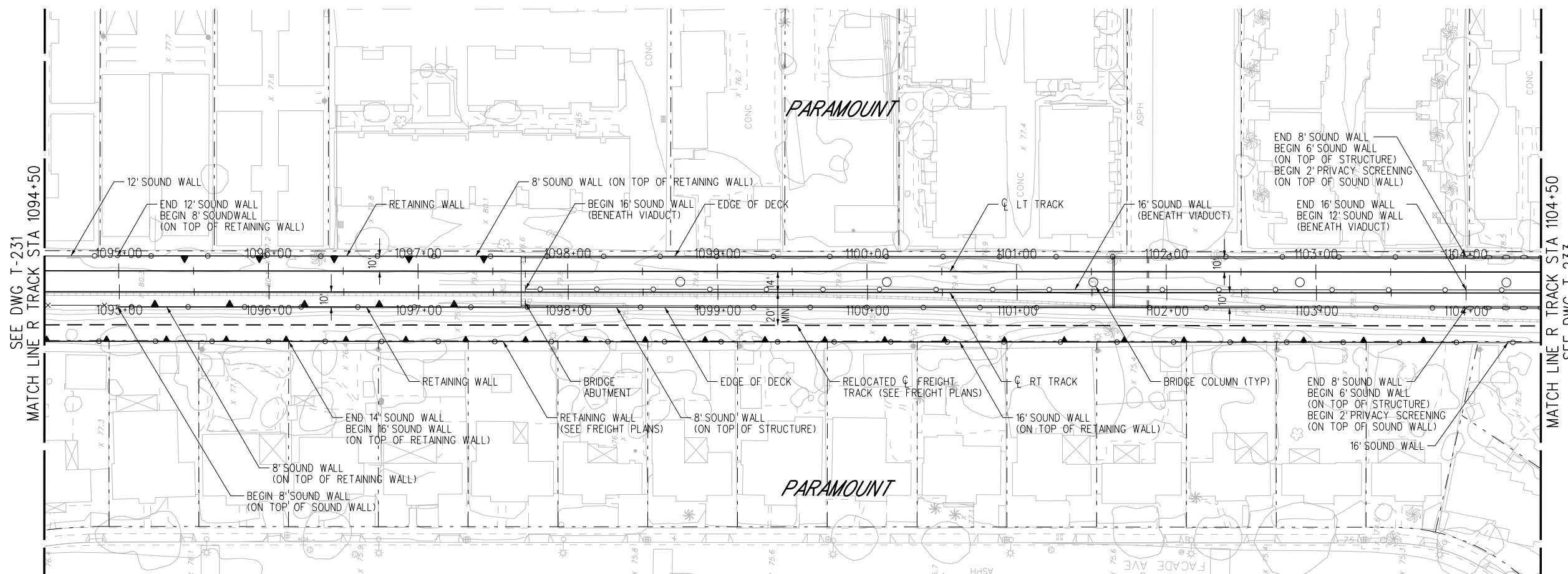
CONTRACT NO.	AE5999300
DRAWING NO.	T-231
SCALE	HOR: 1"=40' VERT: 1"=10'
SHEET NO.	51 OF 107



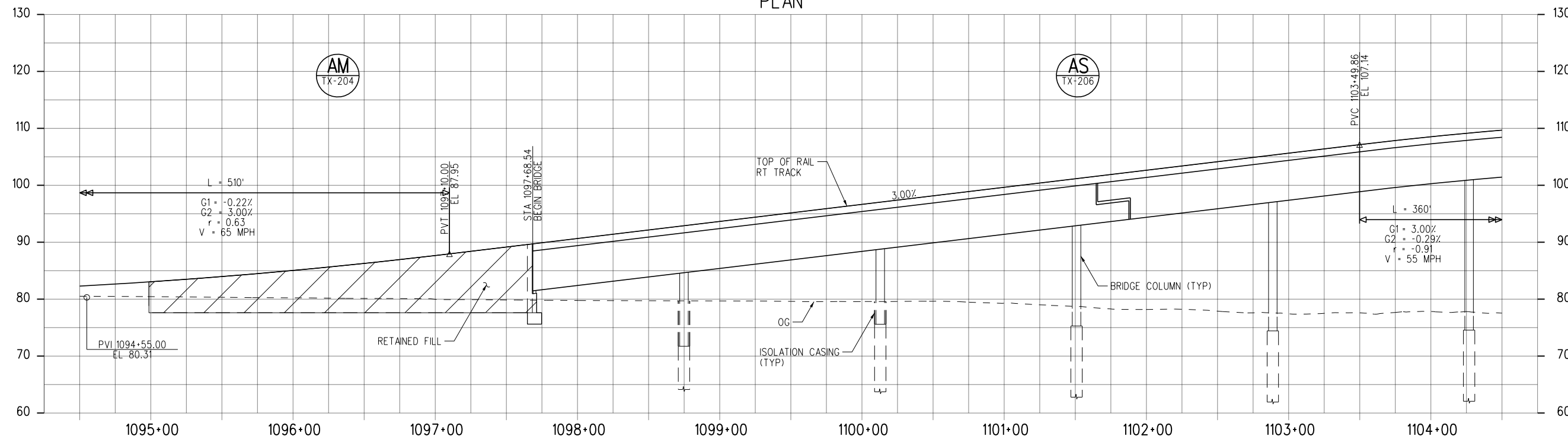


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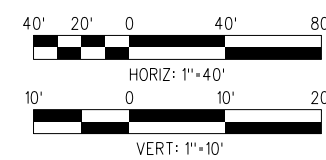
- 1. FOR LEAD TRACK DESIGN SEE SHEETS T-P110 THRU T-P117 MSF PLANS.



PLAN



PROFILE



NOT FOR CONSTRUCTION

15-DEC-2023 E-28091AT232.plg

wsppw14-pw-svc 02:29

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED: \_\_\_\_\_

APPROVED: \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 1094+50 TO STA 1104+50**

CONTRACT NO. **AE5999300**

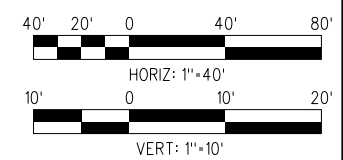
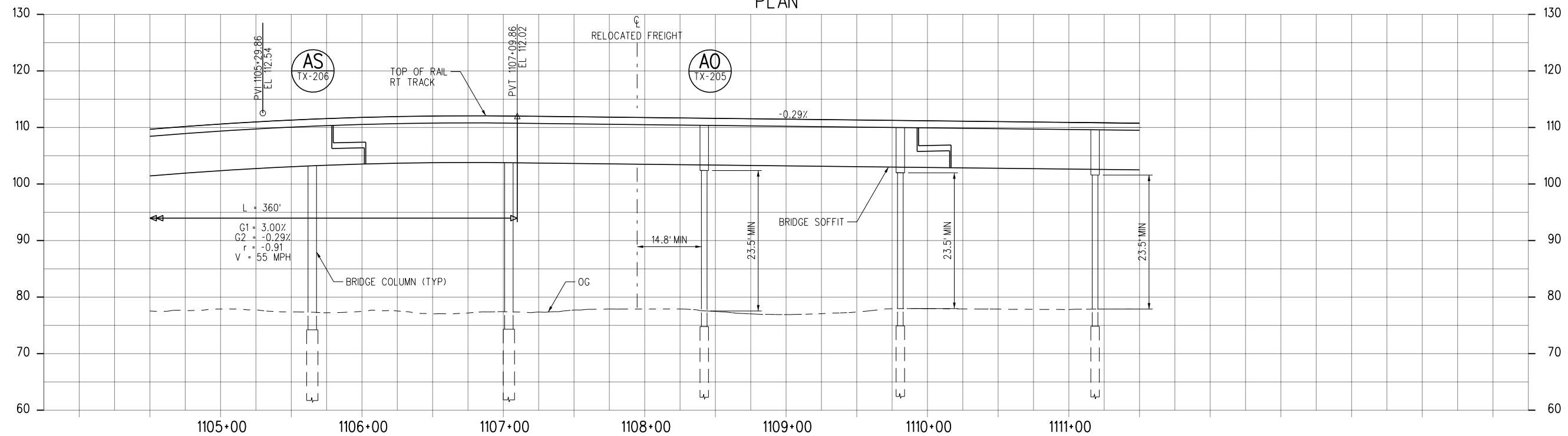
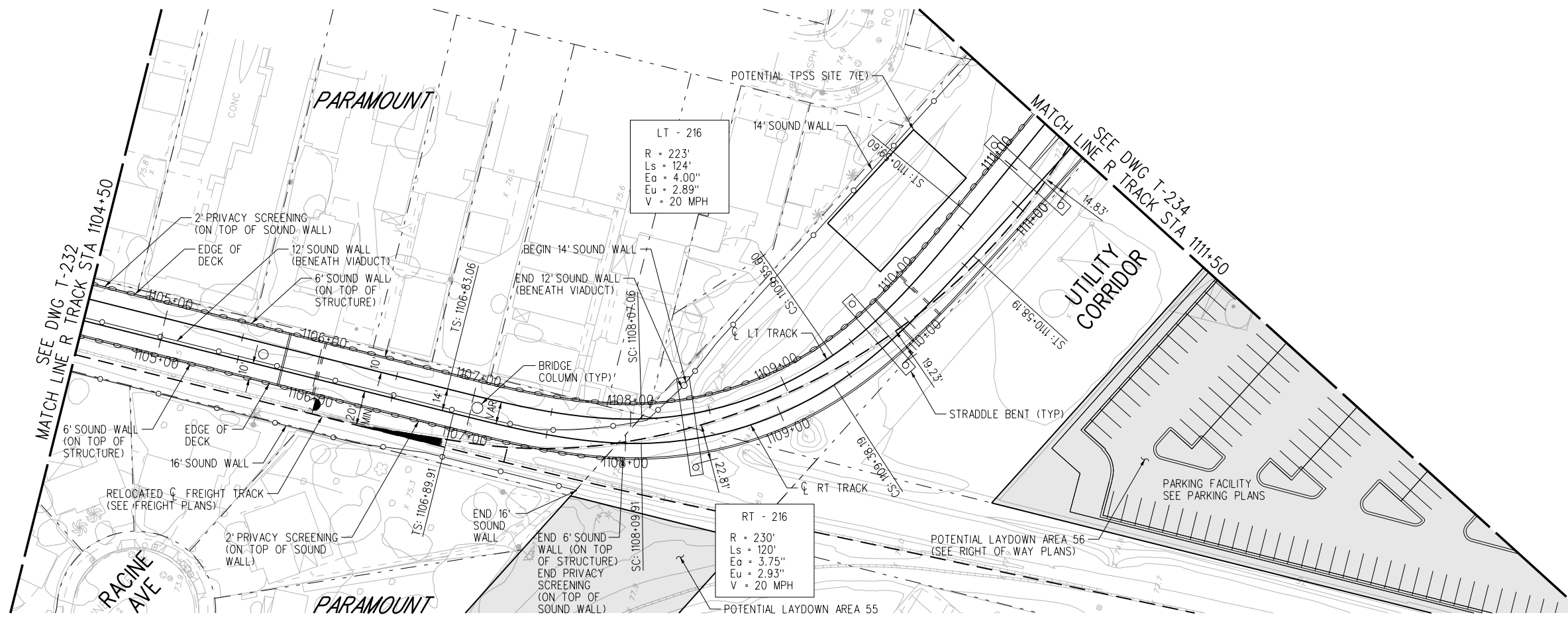
DRAWING NO. **T-232** REV \_\_\_\_\_

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

SHEET NO. **52** OF **107**



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



REVISED FINAL ACE SUBMITTAL - 4/7/2023

PROFILE

**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.						
3	4/7/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

**Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

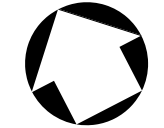
**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED: \_\_\_\_\_  
 APPROVED: \_\_\_\_\_

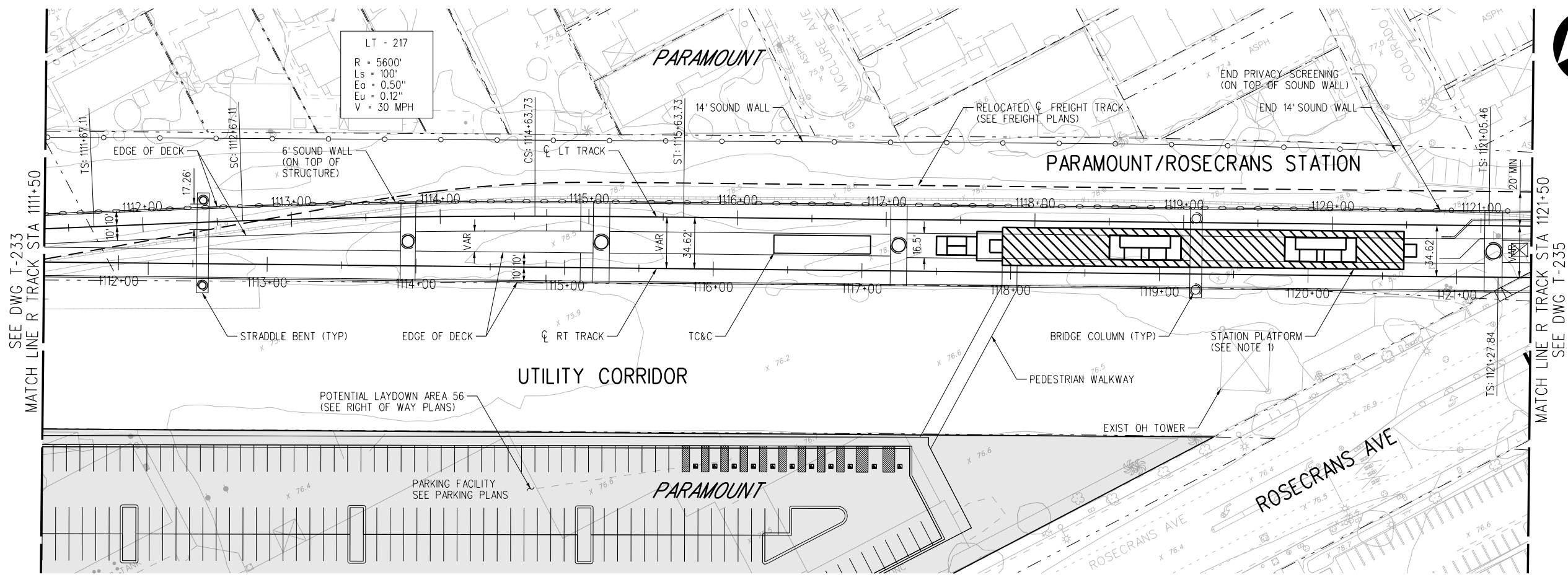
**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 1104+50 TO STA 1111+50

CONTRACT NO. <b>AE5999300</b>
DRAWING NO. <b>T-233</b>
SCALE HOR: 1"=40' VERT: 1"=10'
SHEET NO. 53 OF 107

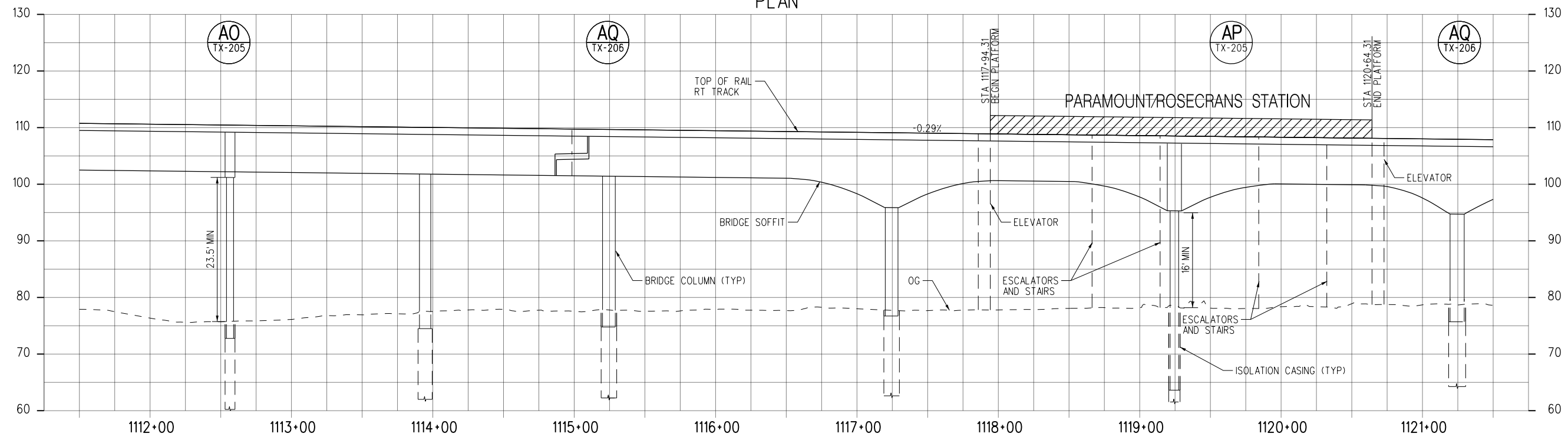
15-DEC-2023 E-28091AT233.plg



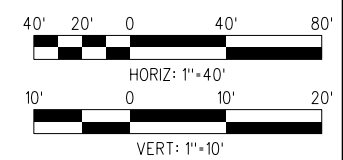
**NOTES:**  
 1. FOR STATION LAYOUT SEE STATION SITE PLANS, SHEET A14-001.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT234.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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	  515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	CONTRACT NO. <b>AE5999300</b>				
3	4/7/2023	DRAWN BY RM		DRAWING NO. <b>T-234</b>				
		CHECKED BY NM		SCALE HOR: 1"=40' VERT: 1"=10'				
		IN CHARGE RL		SHEET NO. 54 OF 107				
		DATE 4/7/2023						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	
							REVISED FINAL ACE SUBMITTAL	

DESIGNED BY CB	  515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	CONTRACT NO. <b>AE5999300</b>
DRAWN BY RM		DRAWING NO. <b>T-234</b>
CHECKED BY NM		SCALE HOR: 1"=40' VERT: 1"=10'
IN CHARGE RL		SHEET NO. 54 OF 107
DATE 4/7/2023		

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

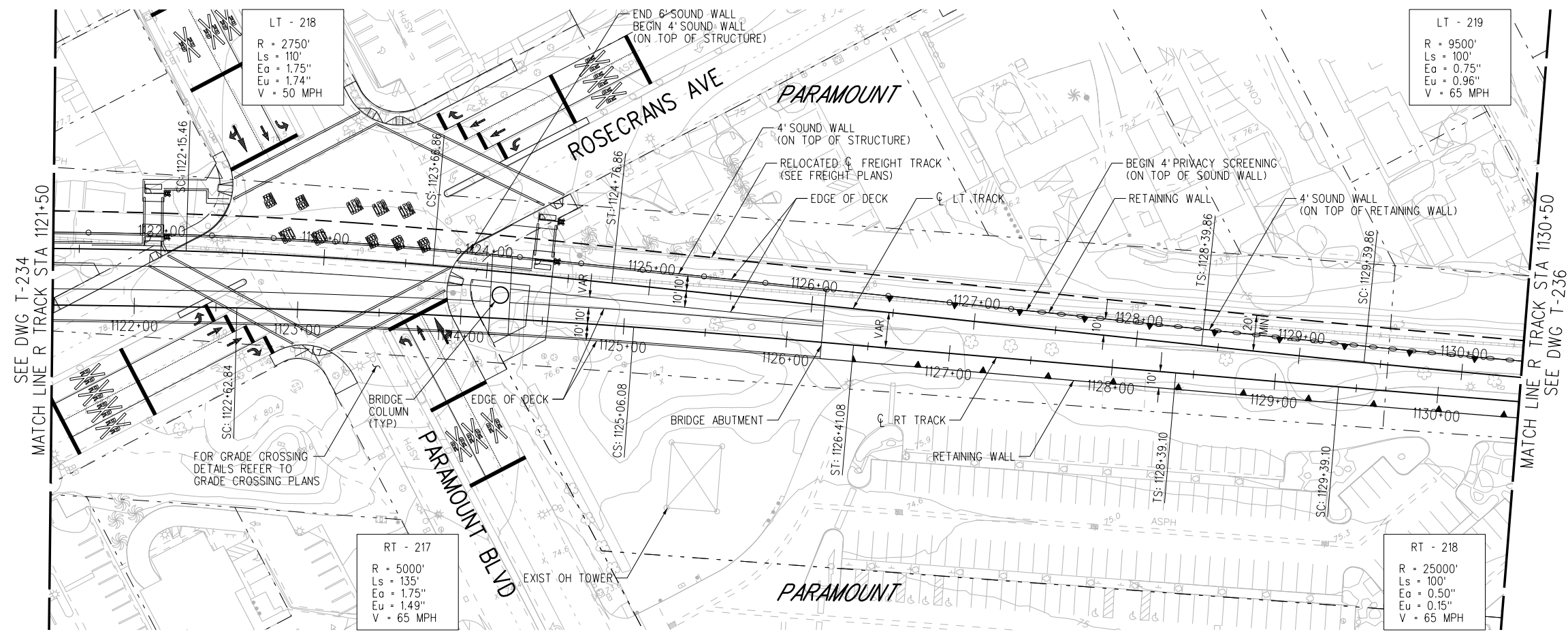
**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 111+50 TO STA 1121+50**

SUBMITTED: \_\_\_\_\_  
 APPROVED: \_\_\_\_\_

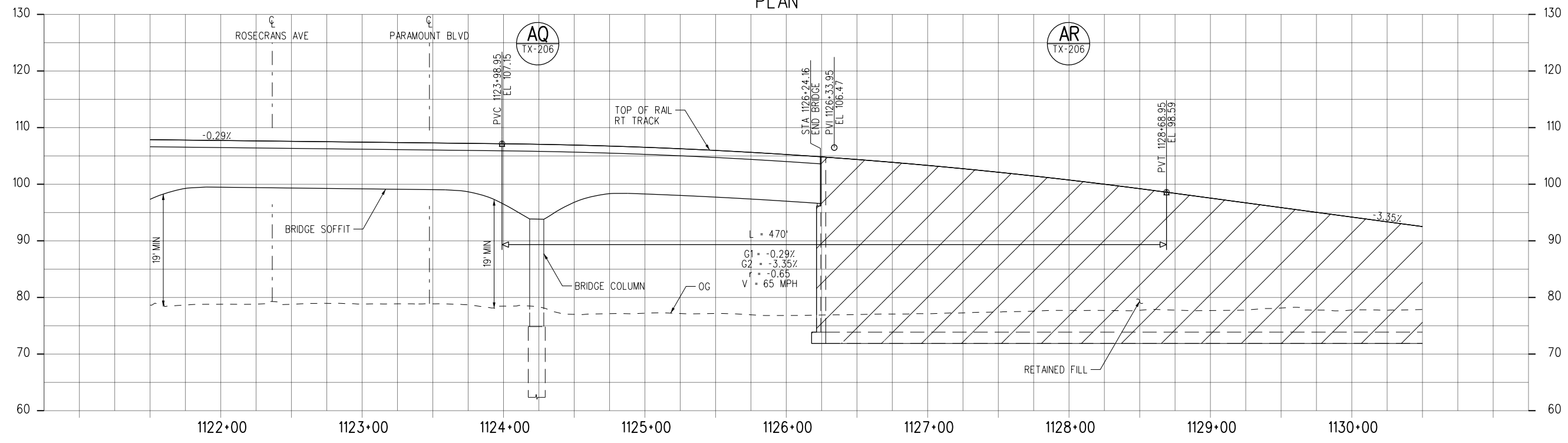
**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 111+50 TO STA 1121+50**

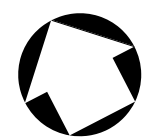
CONTRACT NO. **AE5999300**  
 DRAWING NO. **T-234**  
 SCALE: HOR: 1"=40', VERT: 1"=10'  
 SHEET NO. **54** OF **107**



PLAN



PROFILE



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

15-DEC-2023 E-28091AT235.plg  
wspdw14-pw-svc 02:26

REVISED FINAL ACE SUBMITTAL - 4/7/2023

DESIGNED BY	CB						
DRAWN BY	RM						
CHECKED BY	NM						
IN CHARGE	RL						
DATE	4/7/2023						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

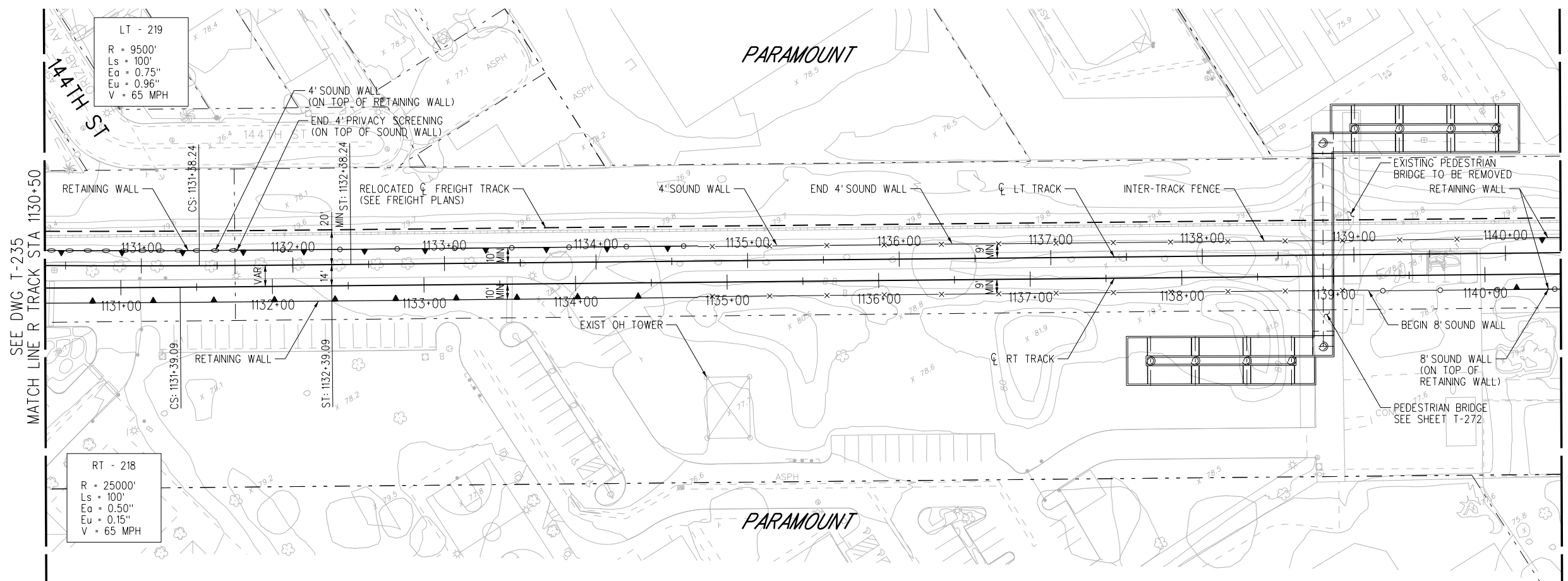
**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**  
 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED: \_\_\_\_\_  
 APPROVED: \_\_\_\_\_

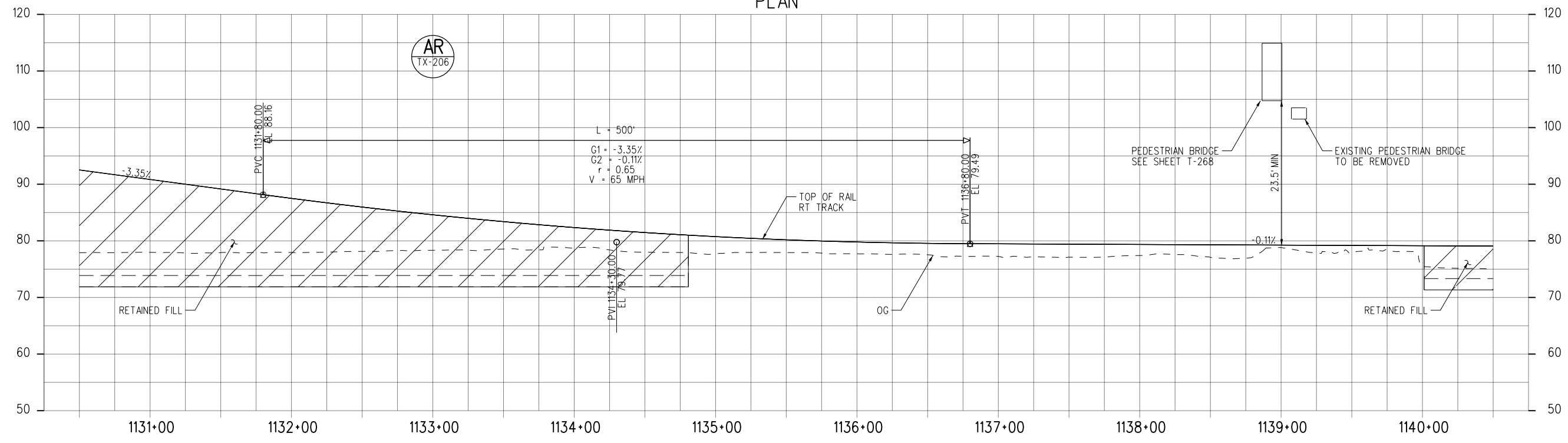
**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
 STA 1121+50 TO STA 1130+50

CONTRACT NO.	AE5999300
DRAWING NO.	T-235
SCALE	HOR: 1"=40' VERT: 1"=10'
SHEET NO.	55 OF 107

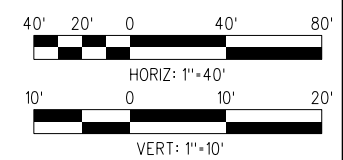
NOT FOR CONSTRUCTION



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT236.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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.						
3	4/7/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

**M Metro**

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

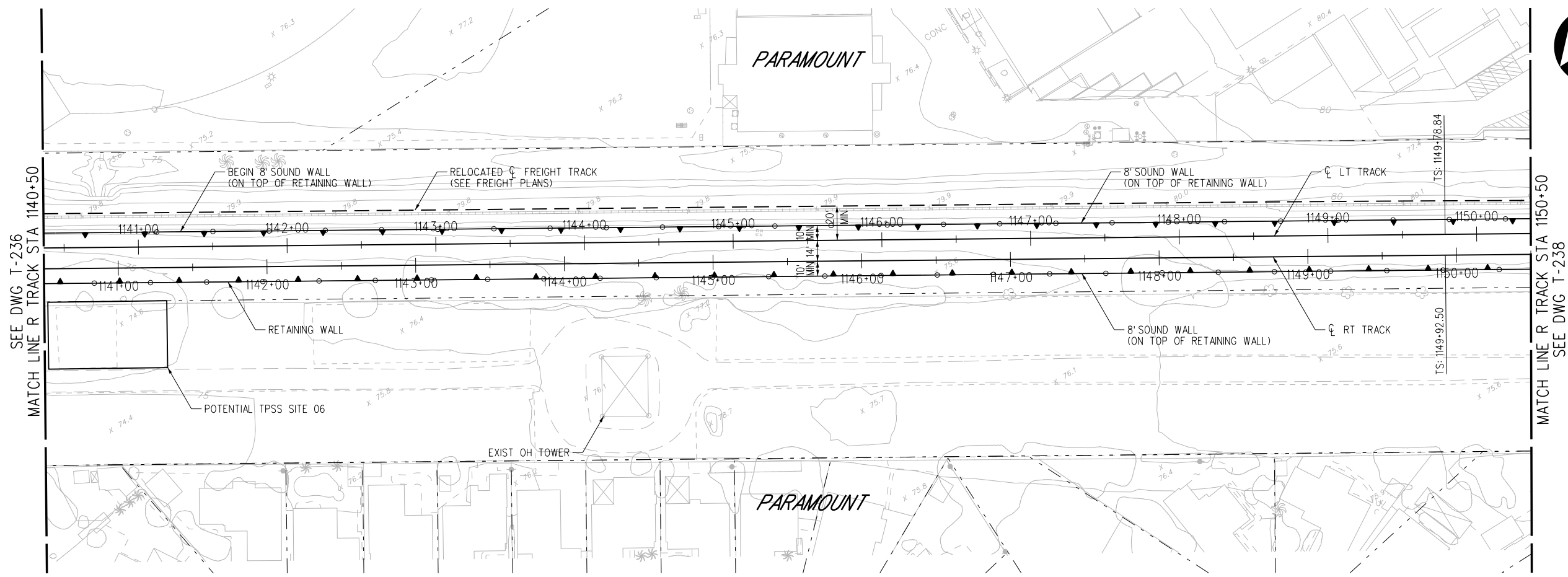
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

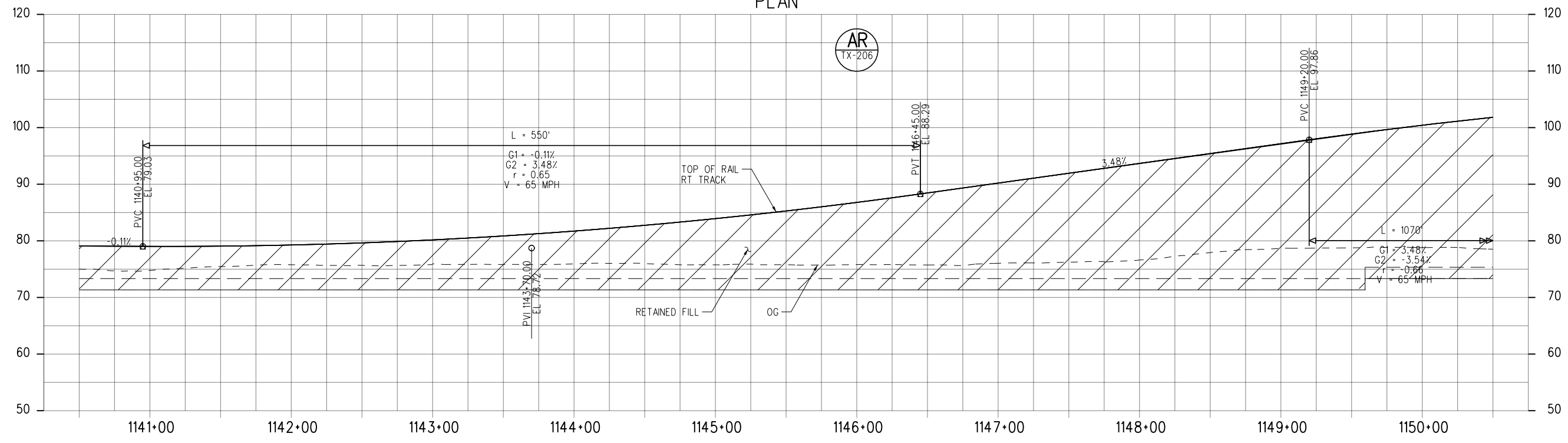
**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 1130+50 TO STA 1140+50**

CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>T-236</b>	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 56 OF 107	

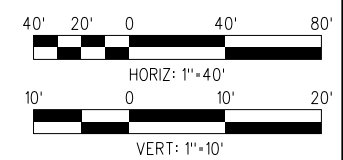
15-DEC-2023 E-28091AT237.plg  
 wspw14-pw-svc 02:27



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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
3	4/7/2023					
REVISED FINAL ACE SUBMITTAL						DESCRIPTION

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

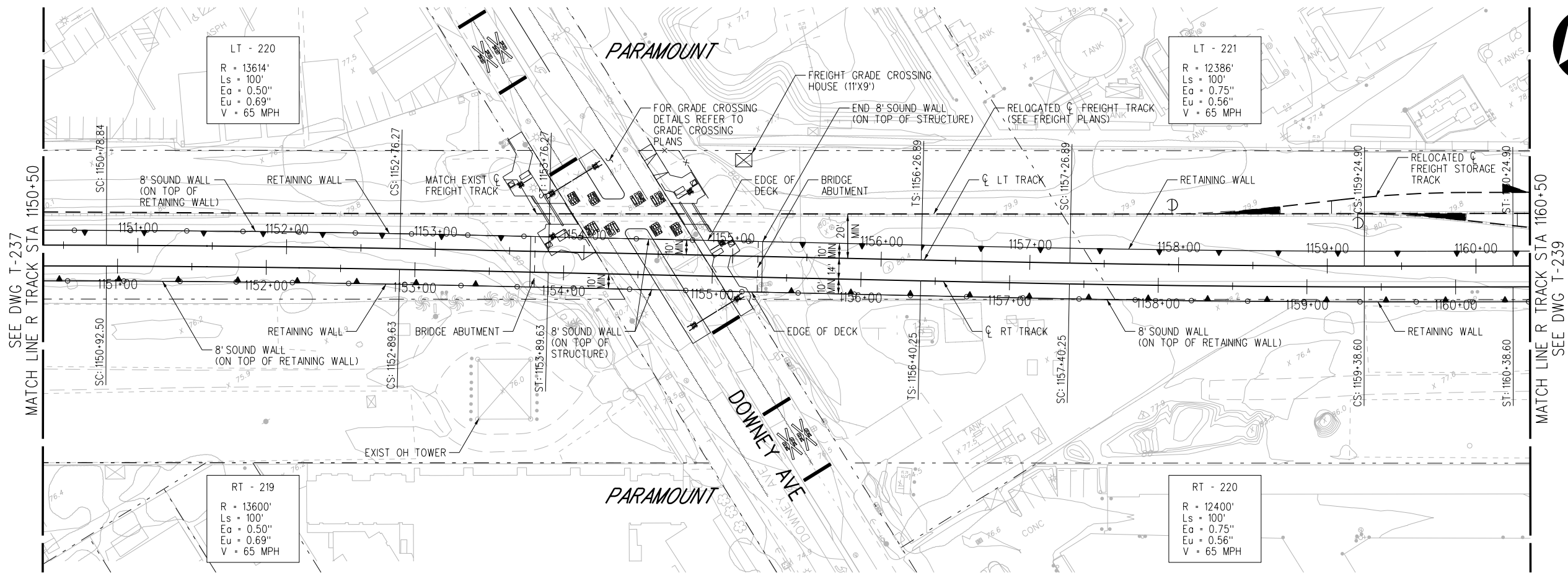
**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

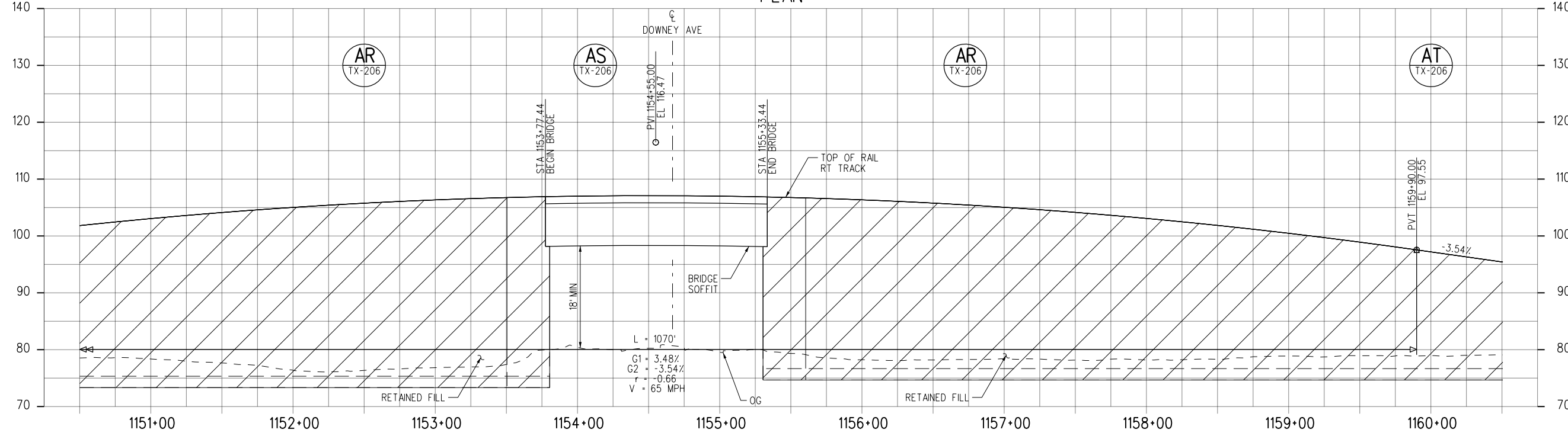
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
 TRACK ALIGNMENT  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 1140+50 TO STA 1150+50

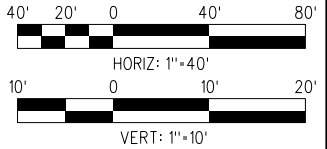
CONTRACT NO. AE5999300
DRAWING NO. T-237
SCALE HORIZ: 1"=40' VERT: 1"=10'
SHEET NO. 57 OF 107



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT238.plg  
wsppw14-pw-svc 02:25

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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
3	4/7/2023					
REVISIION						DESCRIPTION
						REVISED FINAL ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

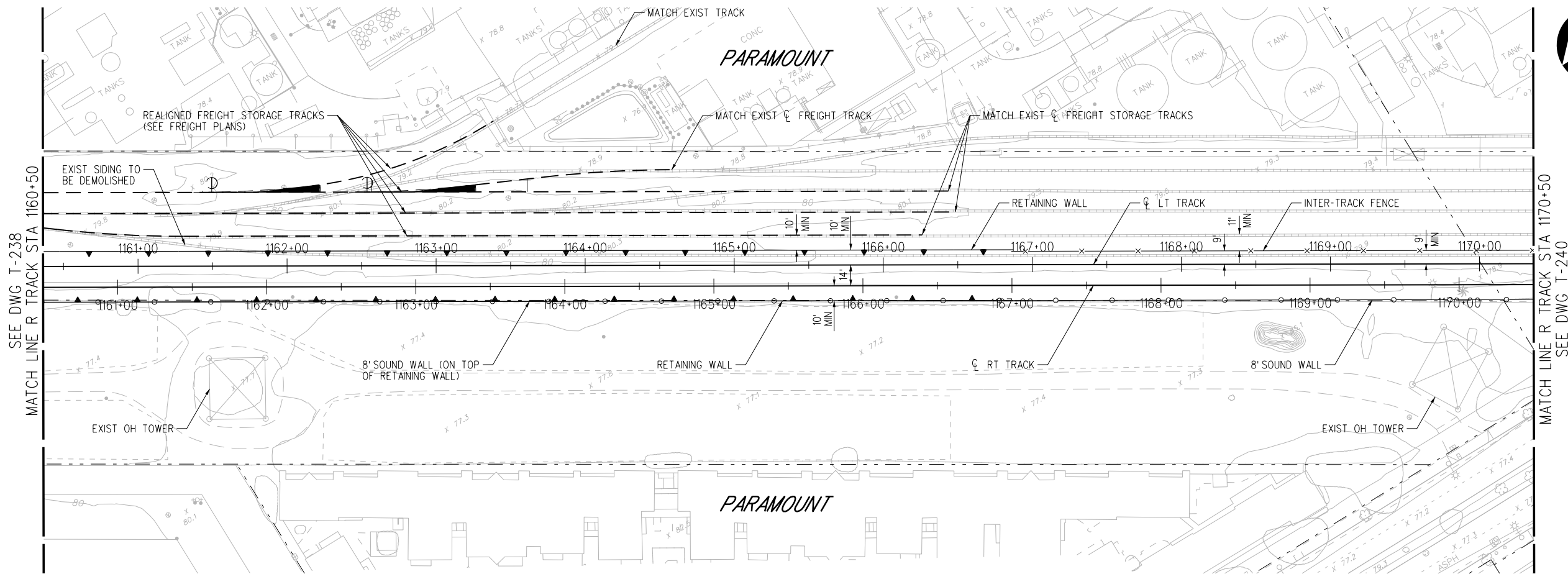
**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

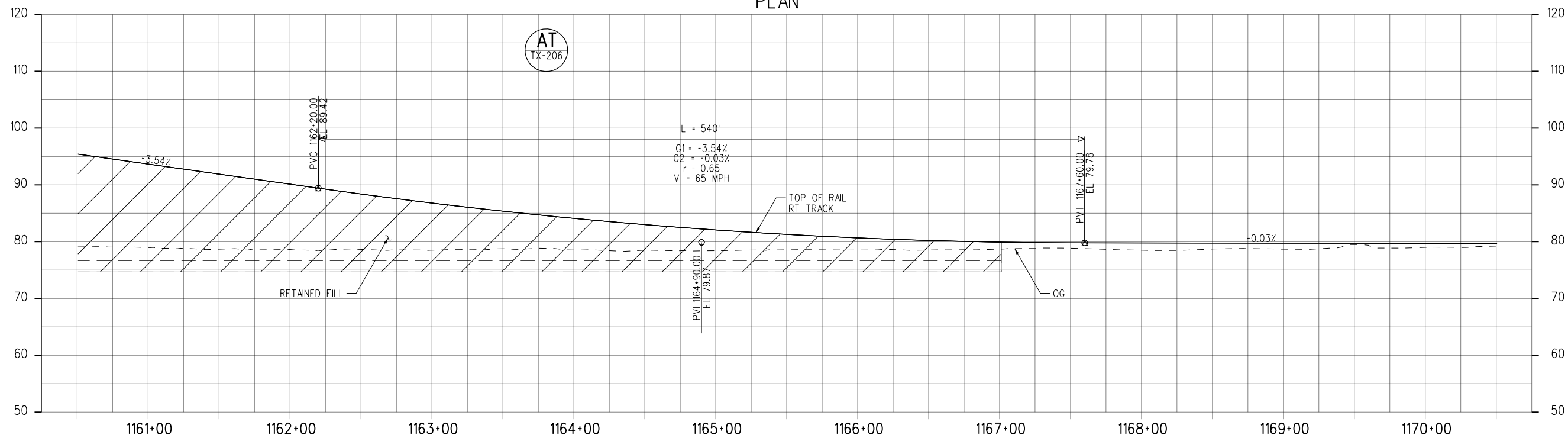
**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE**  
 STA 1150+50 TO STA 1160+50

CONTRACT NO. **AE5999300**  
 DRAWING NO. **T-238**  
 SCALE **HOR: 1"=40'**  
**VERT: 1"=10'**  
 SHEET NO. **58** OF **107**





PLAN



PROFILE

NOT FOR CONSTRUCTION

15-DEC-2023 E-28091AT239.plg

wsppw14-pw-svc 02:26

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

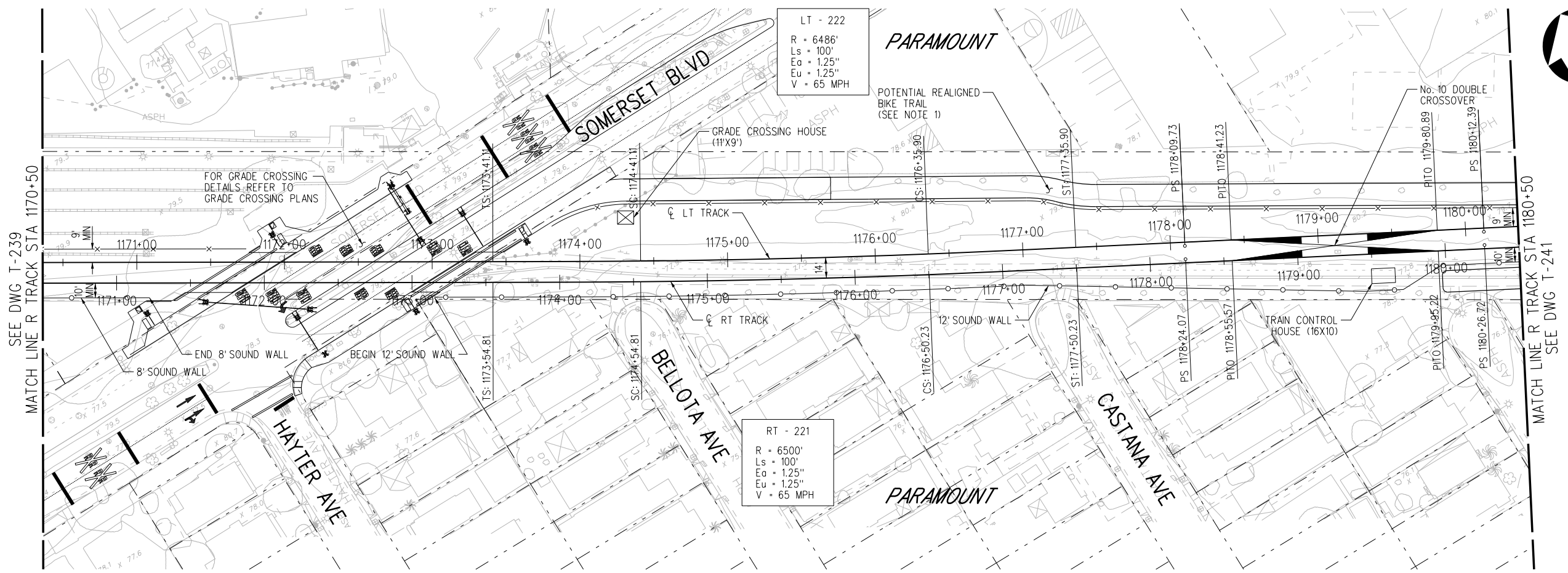
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
 TRACK ALIGNMENT  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 1160+50 TO STA 1170+50

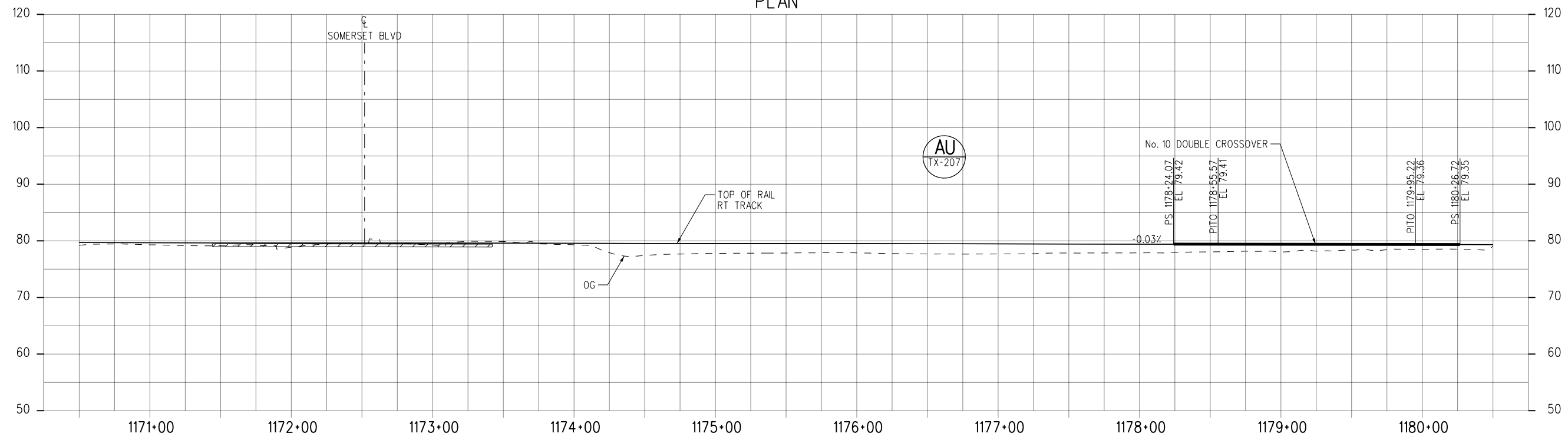
CONTRACT NO.	AE5999300
DRAWING NO.	T-239
SCALE	HOR: 1"=40' VERT: 1"=10'
SHEET NO.	59 OF 107



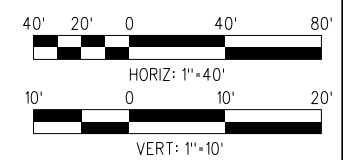
- NOTES:**
- BIKE TRAIL REALIGNMENT TO BE DETERMINED. ONGOING COORDINATION WITH THE CITY OF PARAMOUNT.
  - SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 4'5" TOP PANEL 150' FROM GRADE CROSSINGS.



PLAN



PROFILE



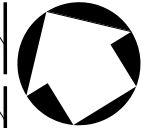
**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT240.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

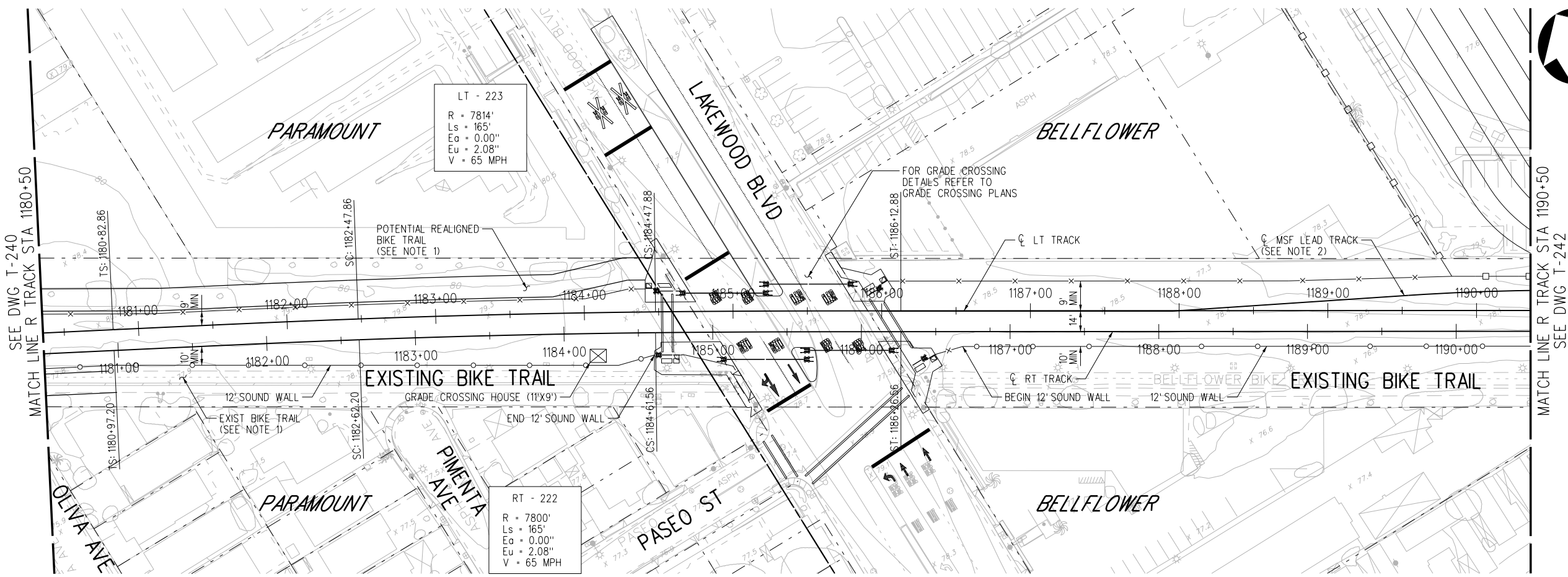
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB	  515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	SUBMITTED _____ APPROVED _____				
3	4/7/2023	DRAWN BY RM		WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE STA 1170+50 TO STA 1180+50				
		CHECKED BY NM			CONTRACT NO. <b>AE5999300</b>			
		IN CHARGE RL			DRAWING NO. <b>T-240</b>			
		DATE 4/7/2023			SCALE HOR: 1"=40' VERT: 1"=10'			
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	SHEET NO. 60 OF 107

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

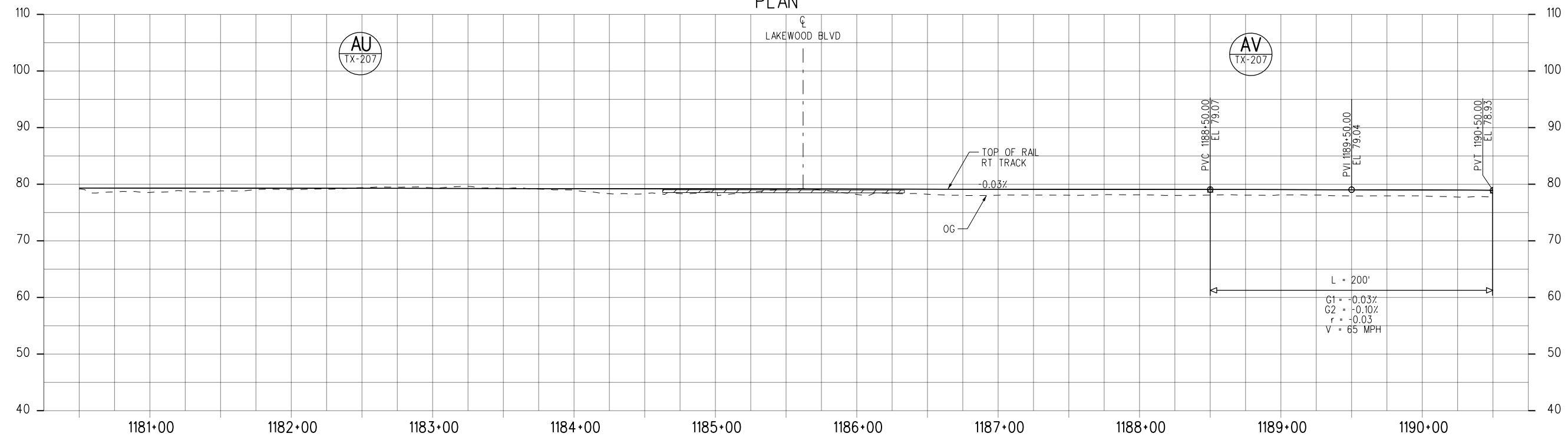


**NOTES:**

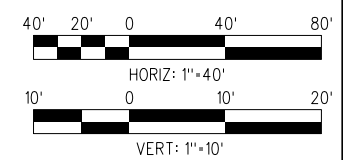
- 1. BIKE TRAIL REALIGNMENT TO BE DETERMINED. ONGOING COORDINATION WITH THE CITY OF PARAMOUNT.
- 2. FOR LEAD TRACK DESIGN SEE SHEETS T-B110 THRU T-B112 MSF PLANS.
- 3. SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 4'5" TOP PANEL 150' FROM GRADE CROSSINGS.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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3	4/7/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

**M Metro**

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**

**LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE**

**STA 1180+50 TO STA 1190+50**

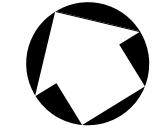
CONTRACT NO. **AE5999300**

DRAWING NO. **T-241** REV \_\_\_\_\_

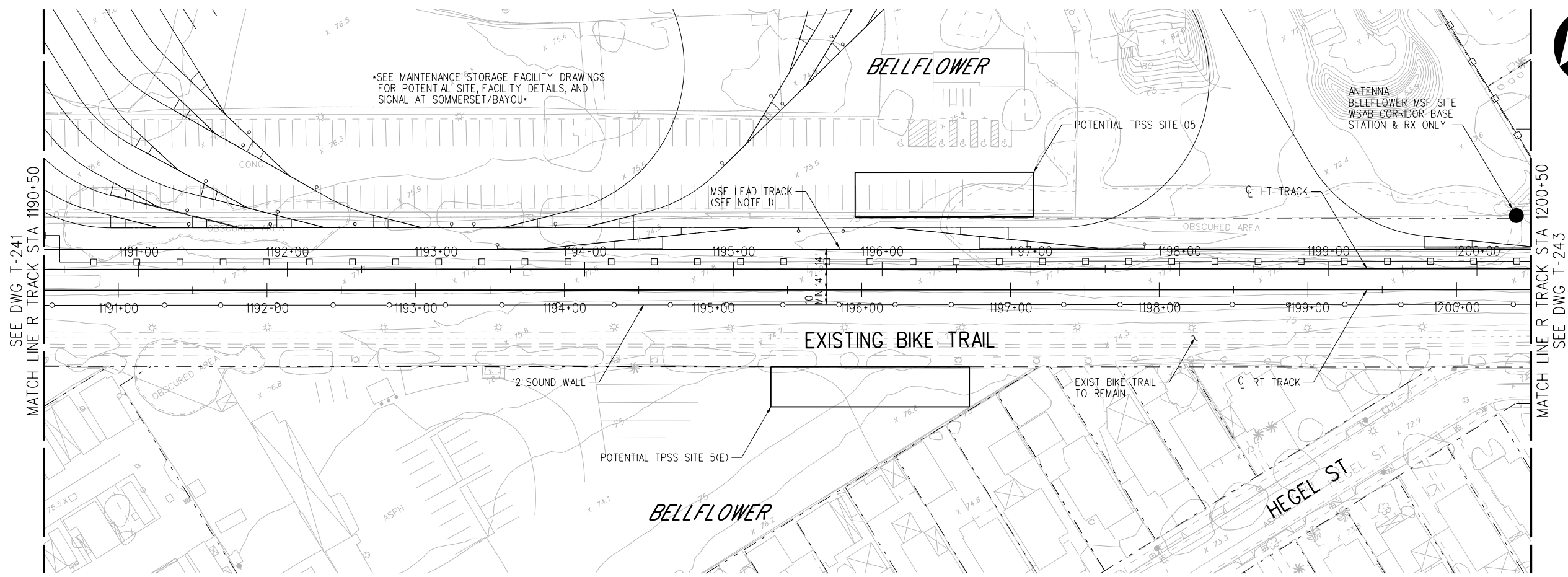
SCALE **HOR: 1"=40' VERT: 1"=10'**

SHEET NO. **61 OF 107**

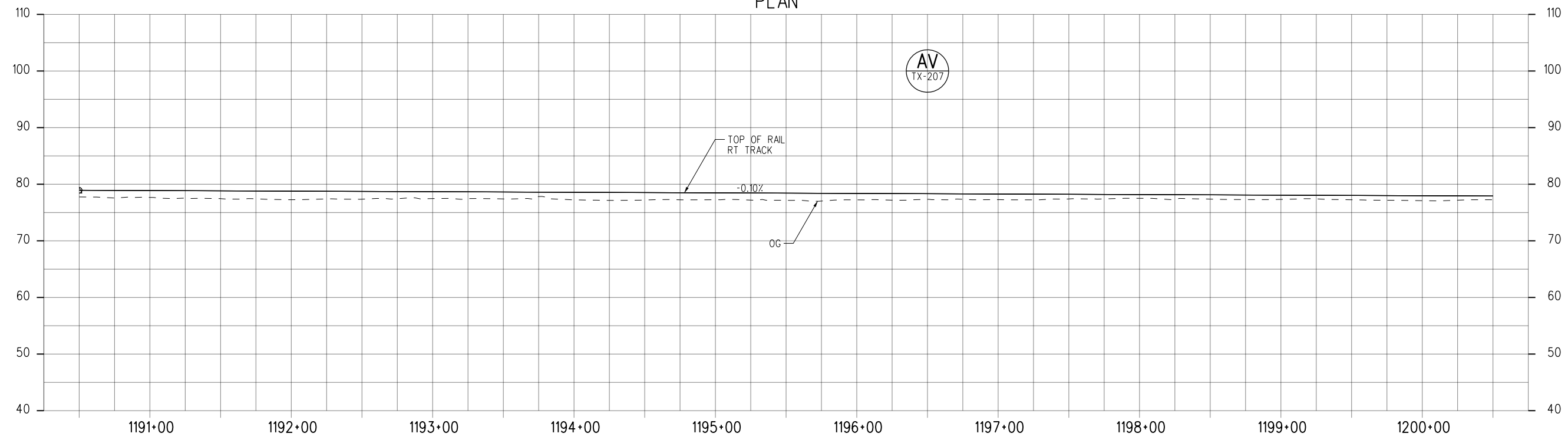
15-DEC-2023 E-28091AT241.plg



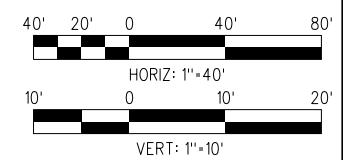
**NOTES:**  
 1. FOR LEAD TRACK DESIGN SEE SHEETS T-B110 THRU T-B112 MSF PLANS.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT242.plg  
wspw14-pw-svc 02:27

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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	4/7/2023	BY	APP	REG NO.
DRAWN BY	RM	EXPIRES		SEAL HOLDER		
CHECKED BY	NM					
IN CHARGE	RL					
DATE	4/7/2023					
DESCRIPTION	REVISED FINAL ACE SUBMITTAL					

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

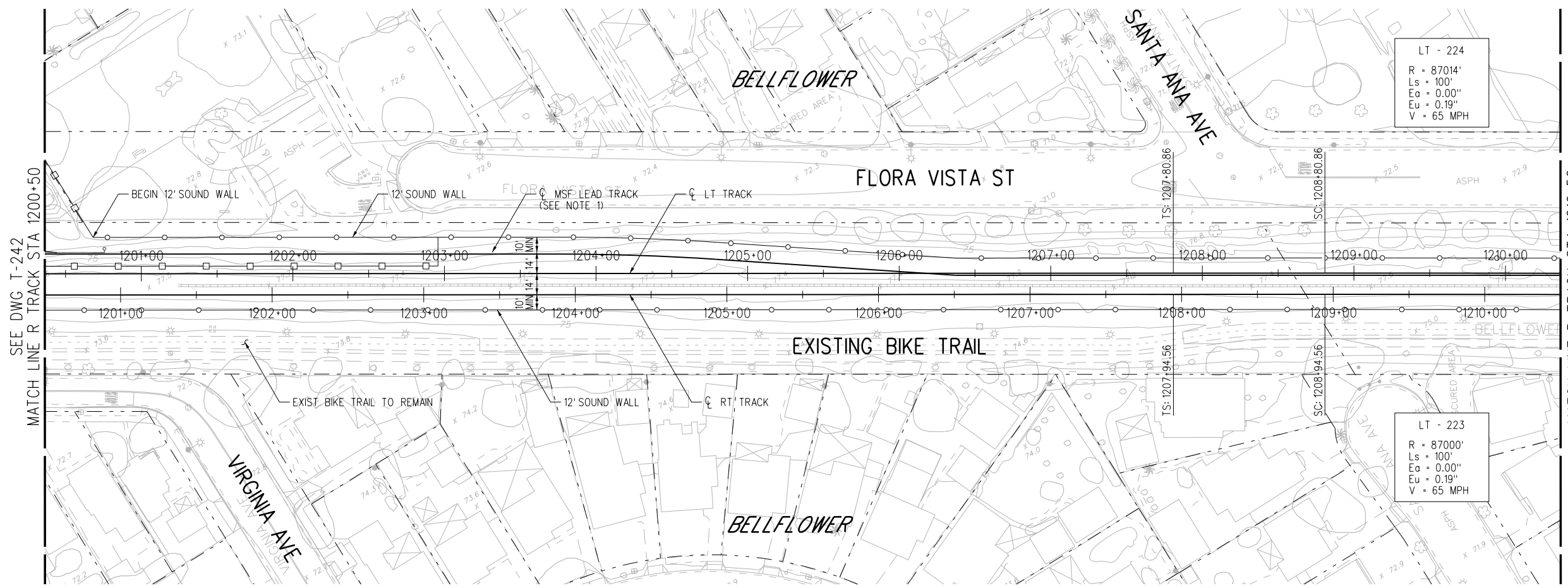
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
 STA 1190+50 TO STA 1200+50

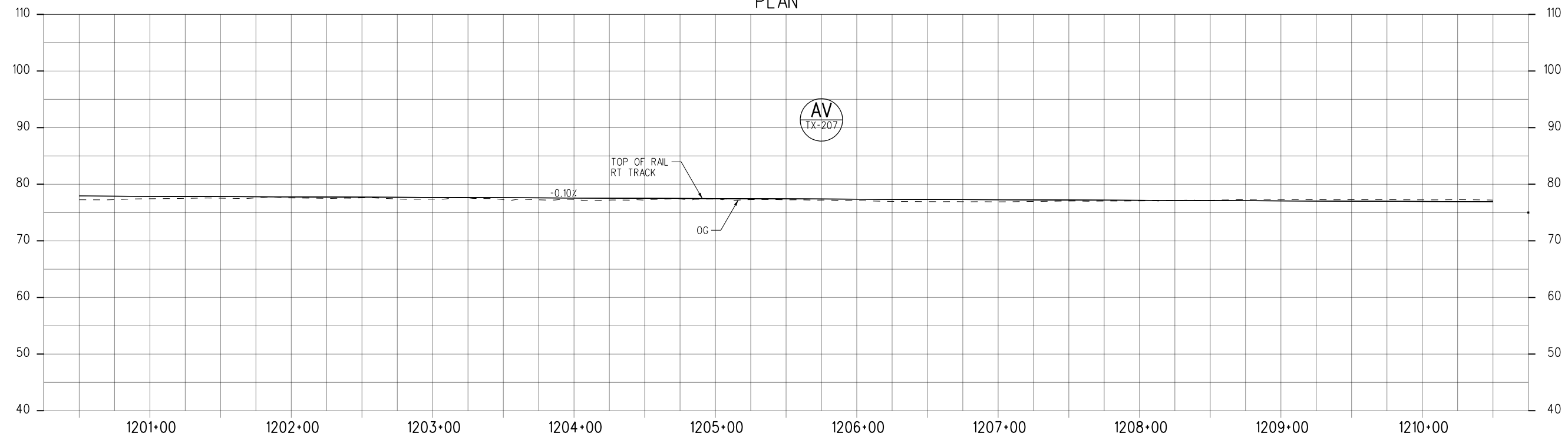
CONTRACT NO.	AE5999300
DRAWING NO.	T-242
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	62 OF 107



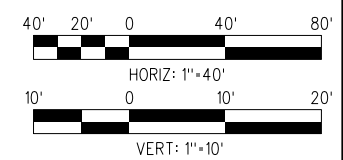
**NOTES:**  
 1. FOR LEAD TRACK DESIGN SEE SHEETS T-B110 THRU T-B112 MSF PLANS.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT243.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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DESIGNED BY	CB	DATE	4/7/2023	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
DRAWN BY	RM	DATE	4/7/2023	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
CHECKED BY	NM	DATE	4/7/2023	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
IN CHARGE	RL	DATE	4/7/2023	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION		
3	4/7/2023								REVISED FINAL ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

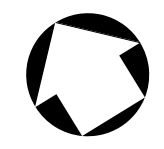
APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 1200+50 TO STA 1210+50

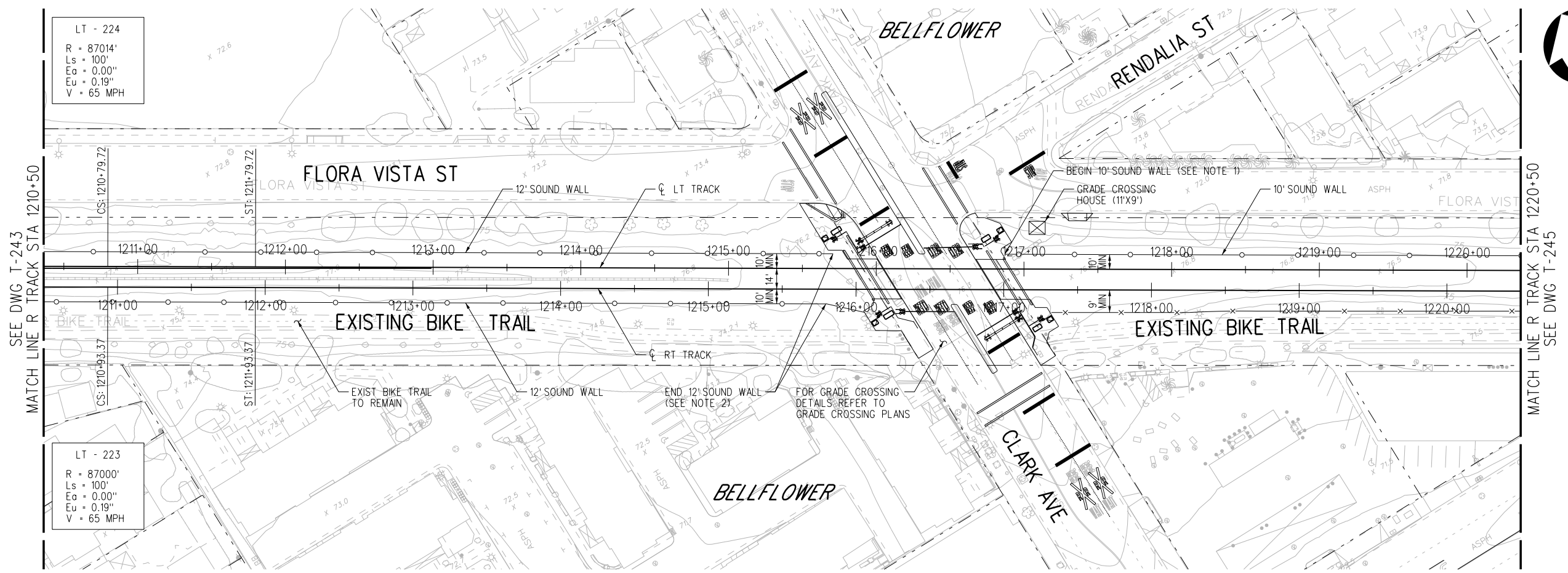
CONTRACT NO.	AE5999300
DRAWING NO.	T-243
SCALE	HOR: 1"=40' VERT: 1"=10'
SHEET NO.	63 OF 107

LT - 224  
 R = 87014'  
 Ls = 100'  
 Ea = 0.00"  
 Eu = 0.19"  
 V = 65 MPH

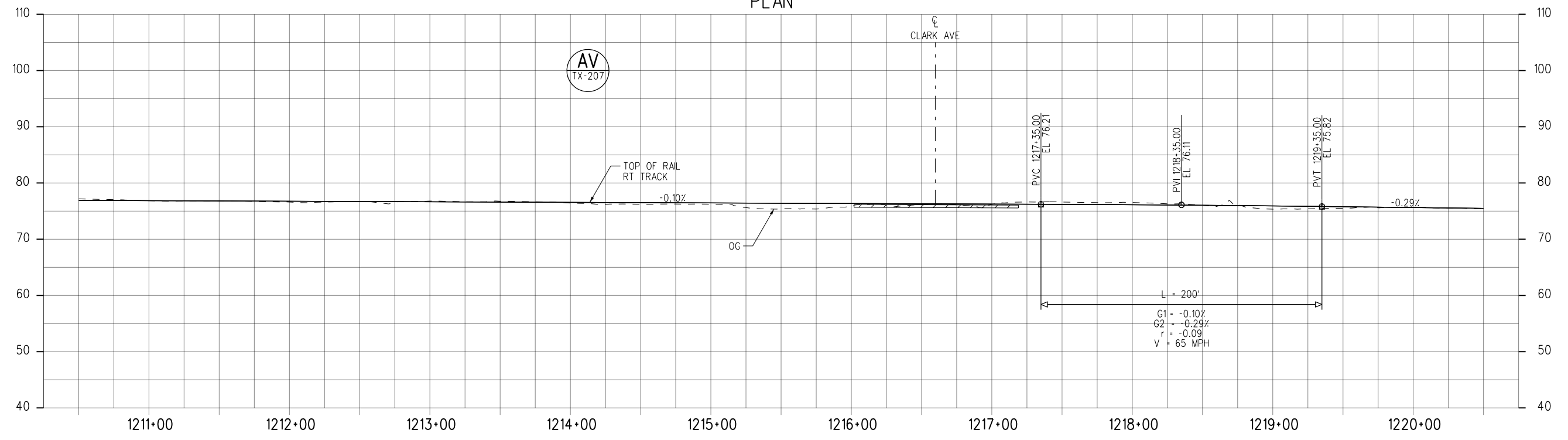
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 R = 87000'  
 Ls = 100'  
 Ea = 0.00"  
 Eu = 0.19"  
 V = 65 MPH



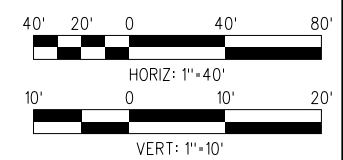
- NOTES:**
- SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 6'5" TOP PANEL 150' FROM GRADE CROSSINGS.
  - SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 8'5" TOP PANEL 150' FROM GRADE CROSSINGS.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT244.plg  
 wspw14-pw-svc 02:25

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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.						
3	4/7/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

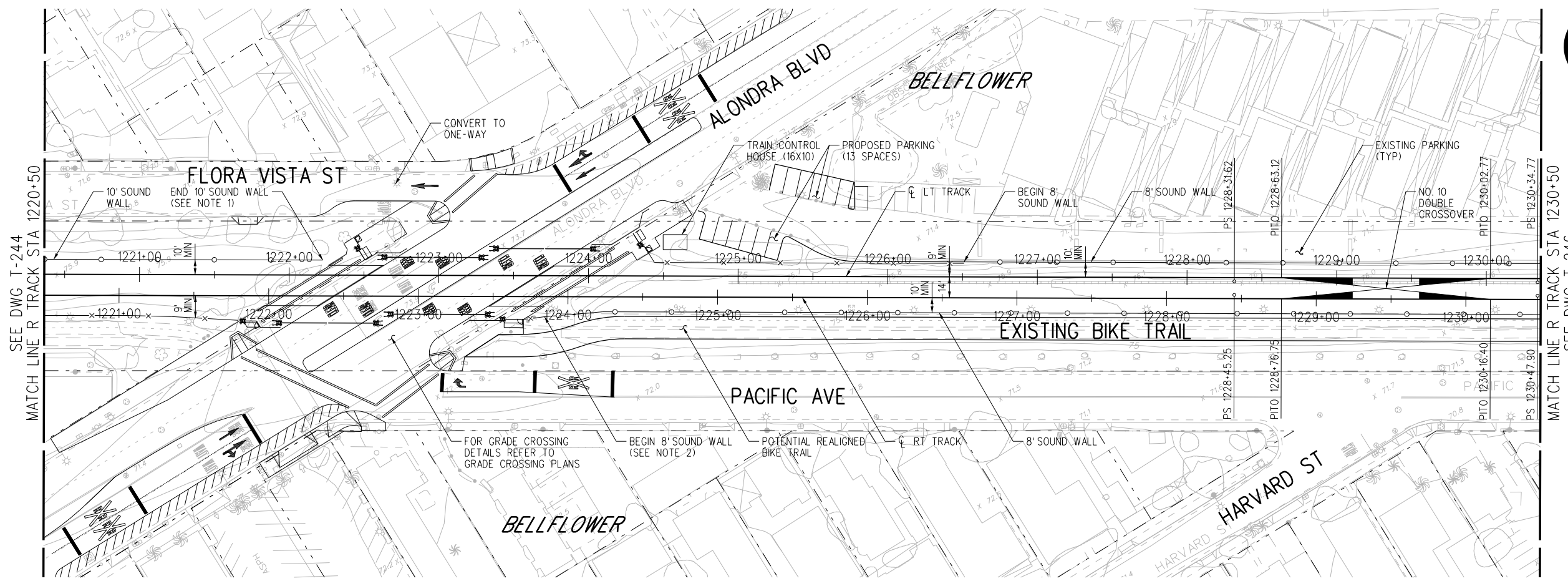
**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
 STA 1210+50 TO STA 1220+50

CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>T-244</b>	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 64	OF 107

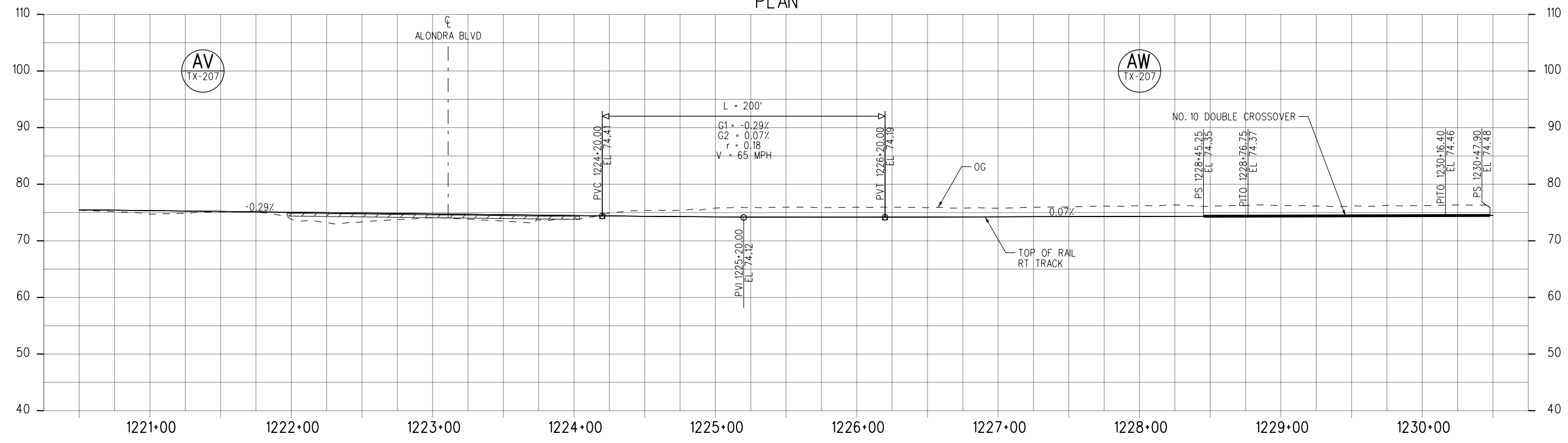




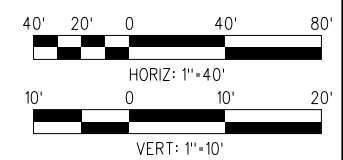
- NOTES:**
- SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 6'5" TOP PANEL 150' FROM GRADE CROSSINGS.
  - SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 4'5" TOP PANEL 150' FROM GRADE CROSSINGS.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT245.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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3	4/7/2023	DRAWN BY RM		DRAWING NO. <b>T-245</b>				
		CHECKED BY NM		SCALE HORIZ: 1"=40' VERT: 1"=10'				
		IN CHARGE RL		SHEET NO. 65 OF 107				
		DATE 4/7/2023						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	
							REVISED FINAL ACE SUBMITTAL	

DESIGNED BY CB	 <b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>
DRAWN BY RM	
CHECKED BY NM	
IN CHARGE RL	
DATE 4/7/2023	

515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

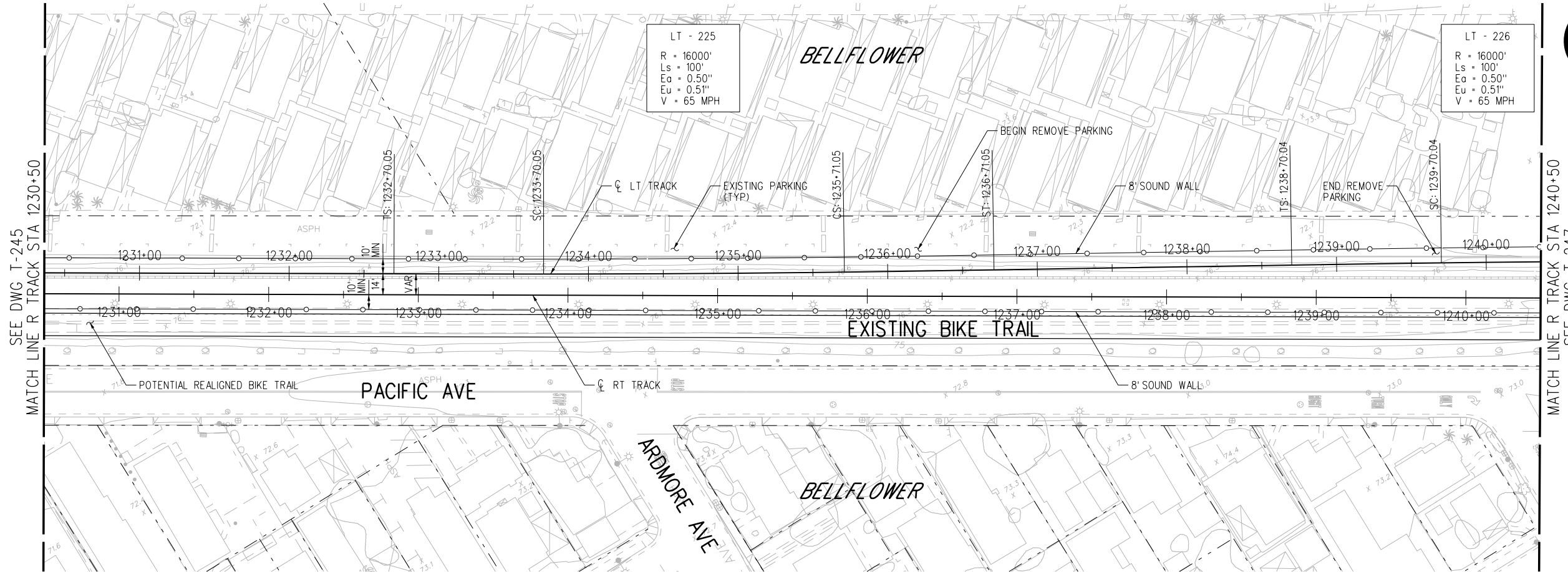
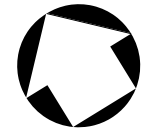
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**

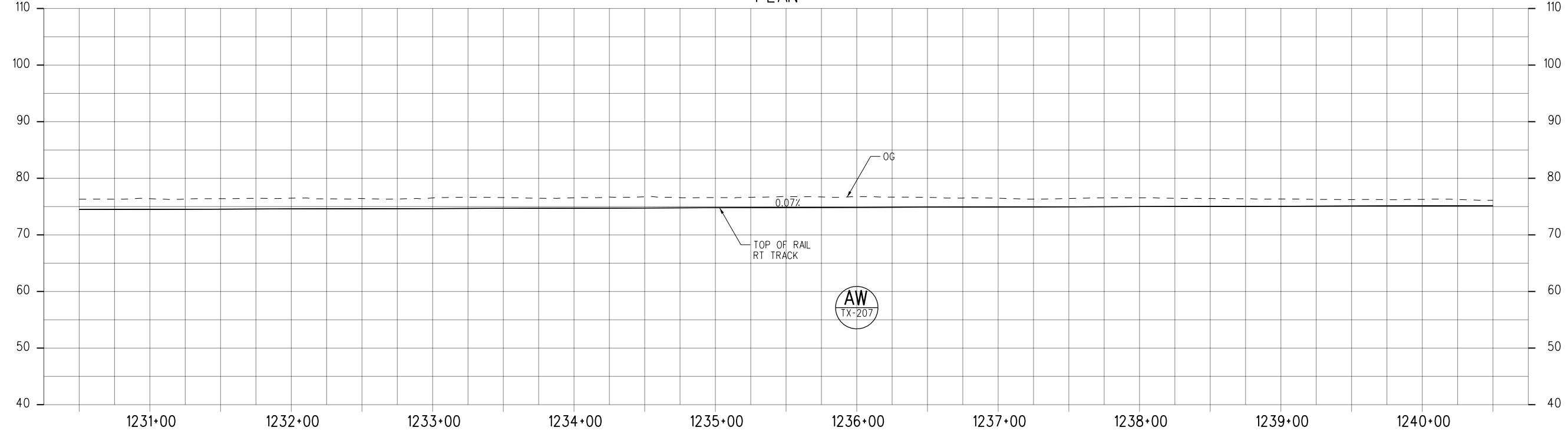
**LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE**

**STA 1220+50 TO STA 1230+50**

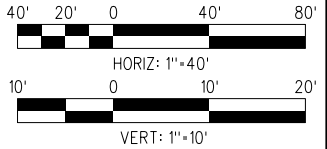




PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091A1246.plg  
wsppw14-pw-svc 02:25

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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	4/7/2023	BY		DESCRIPTION
DRAWN BY	RM	APP		REG NO.		REVISED FINAL ACE SUBMITTAL
CHECKED BY	NM	EXPIRES		SEAL HOLDER		
IN CHARGE	RL					
DATE	4/7/2023					

REVISIONS	REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	3	4/7/2023						REVISED FINAL ACE SUBMITTAL

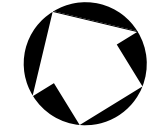
**Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

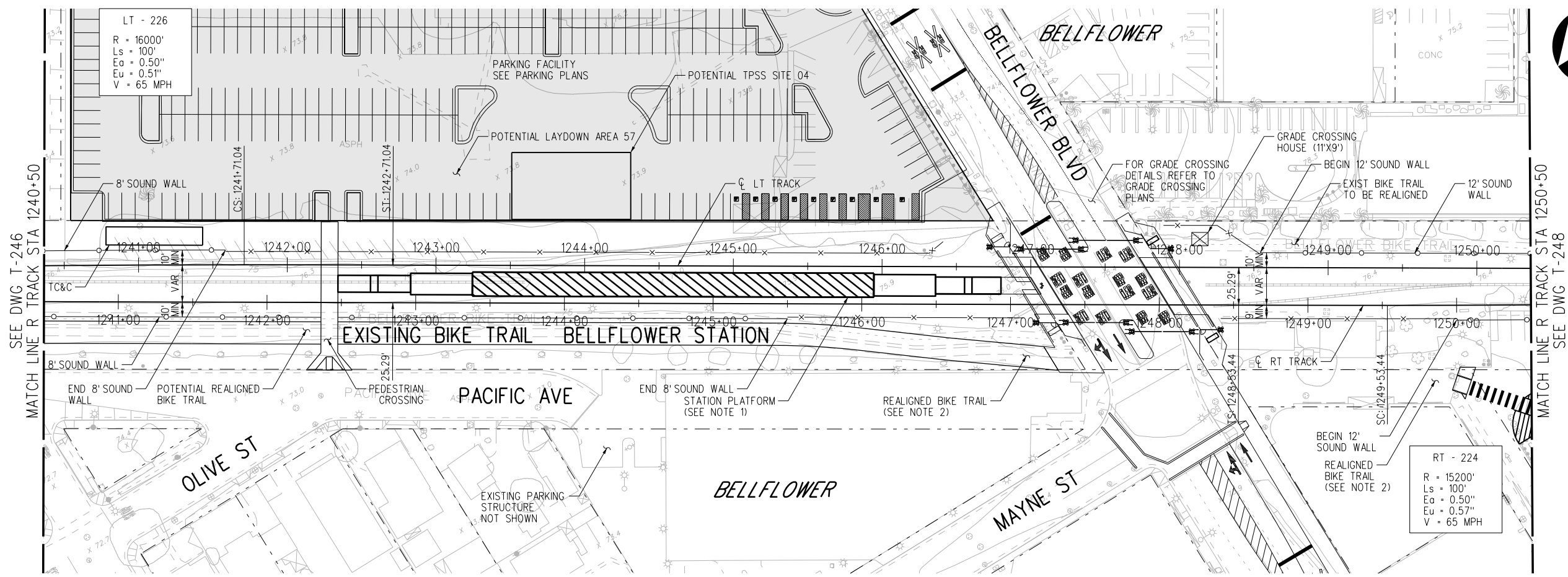
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 1230+50 TO STA 1240+50**

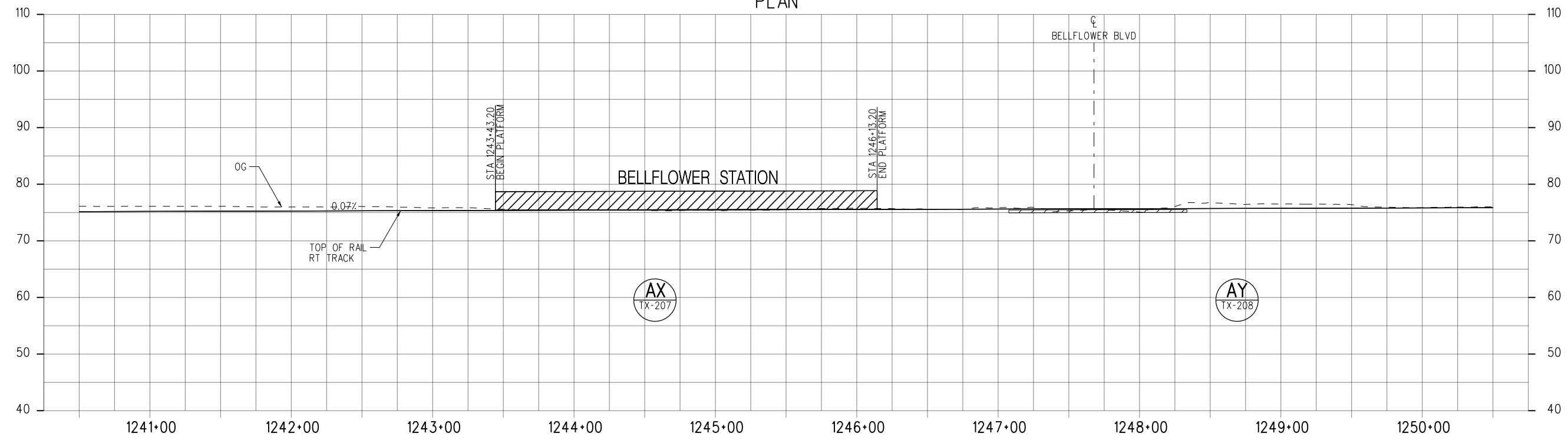
CONTRACT NO.	AE5999300
DRAWING NO.	T-246
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	66 OF 107



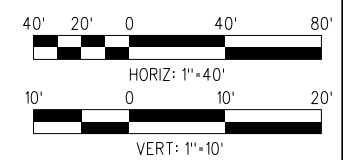
- NOTES:**
1. FOR STATION LAYOUT SEE STATION SITE PLANS, SHEET A15-001.
  2. BIKE TRAIL REALIGNMENT TO BE DETERMINED. ONGOING COORDINATION WITH THE CITY OF BELLFLOWER.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT247.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
3	4/7/2023					
						REVISOR
						DESCRIPTION
						REVISOR
						DESCRIPTION

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

**Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

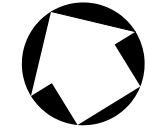
**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

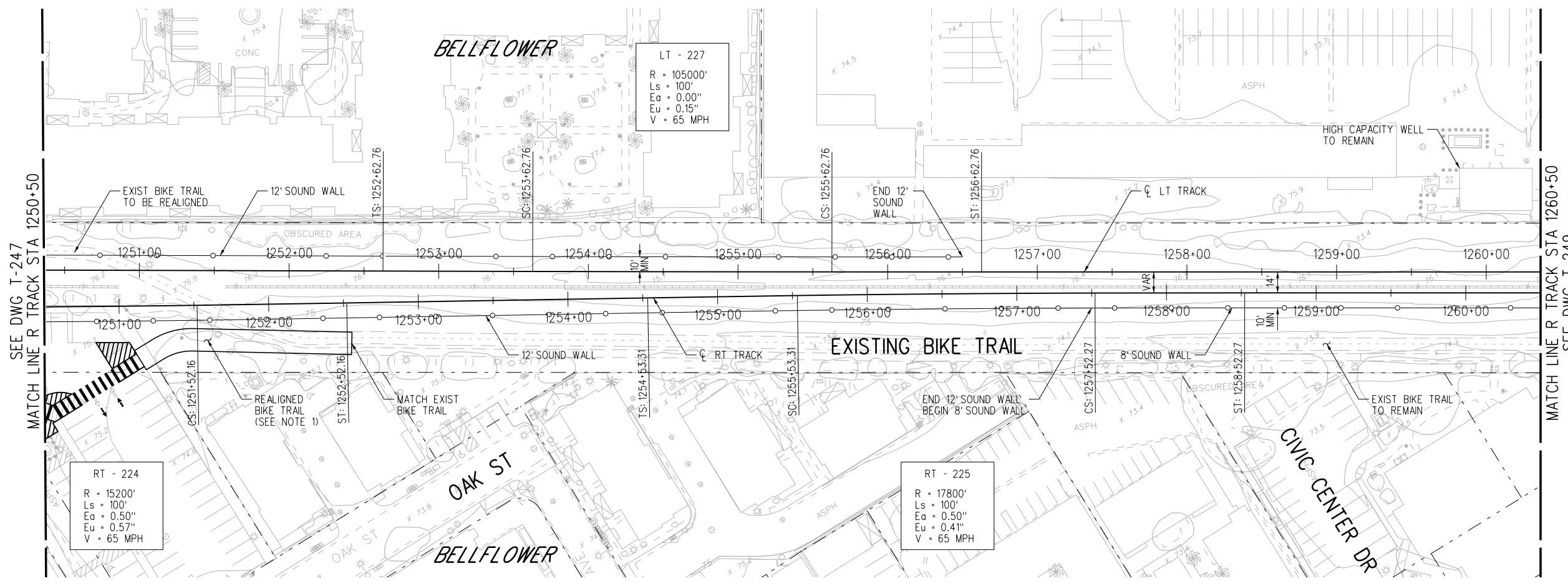
APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
TRACK ALIGNMENT  
LOCALLY PREFERRED ALTERNATIVE  
PLAN & PROFILE  
STA 1240+50 TO STA 1250+50

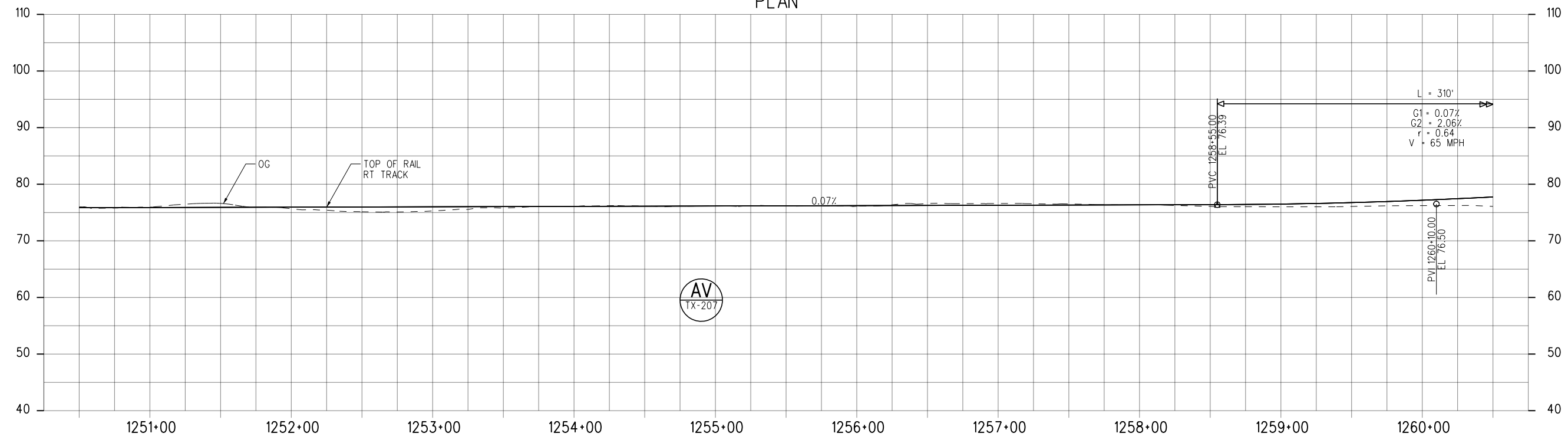
CONTRACT NO. AE5999300
DRAWING NO. T-247
SCALE HORIZ: 1"=40' VERT: 1"=10'
SHEET NO. 67 OF 107



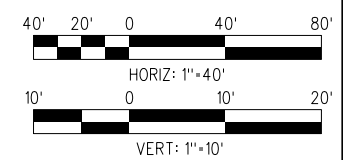
**NOTES:**  
 1. BIKE TRAIL REALIGNMENT TO BE DETERMINED. ONGOING COORDINATION WITH THE CITY OF BELLFLOWER



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT248.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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
3	4/7/2023					REVISOR
						DESCRIPTION
						REVISOR

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

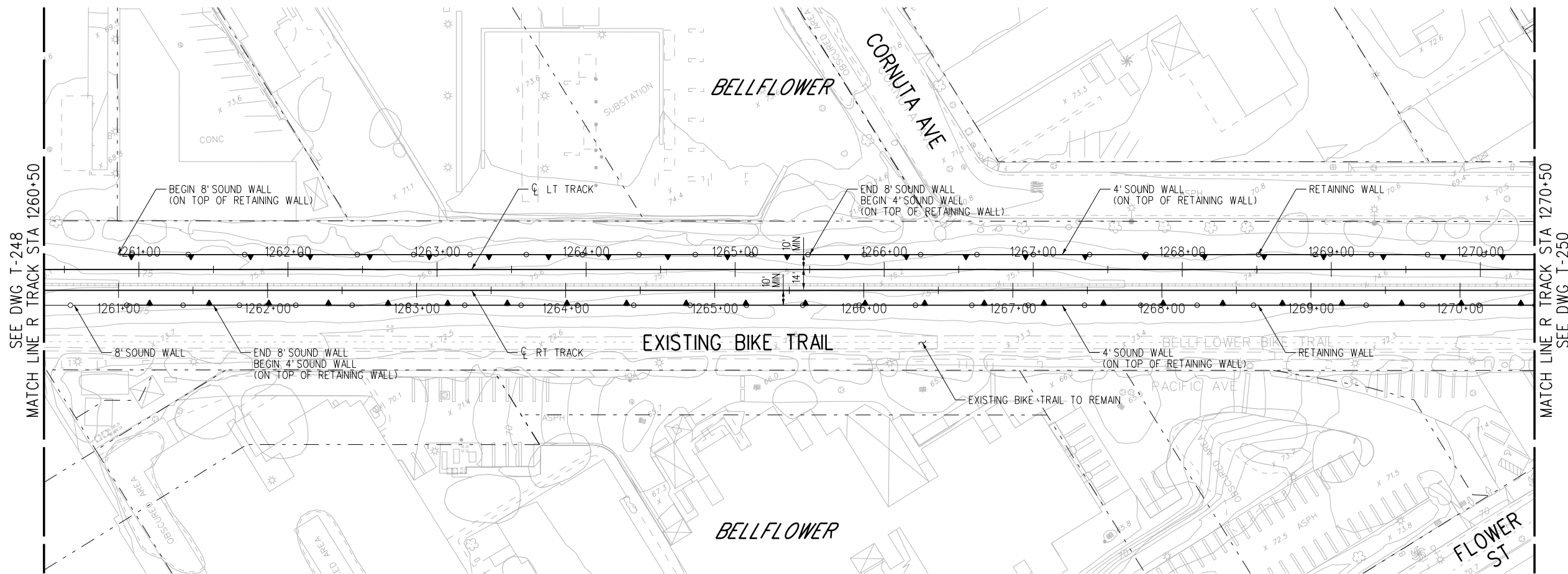
**Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

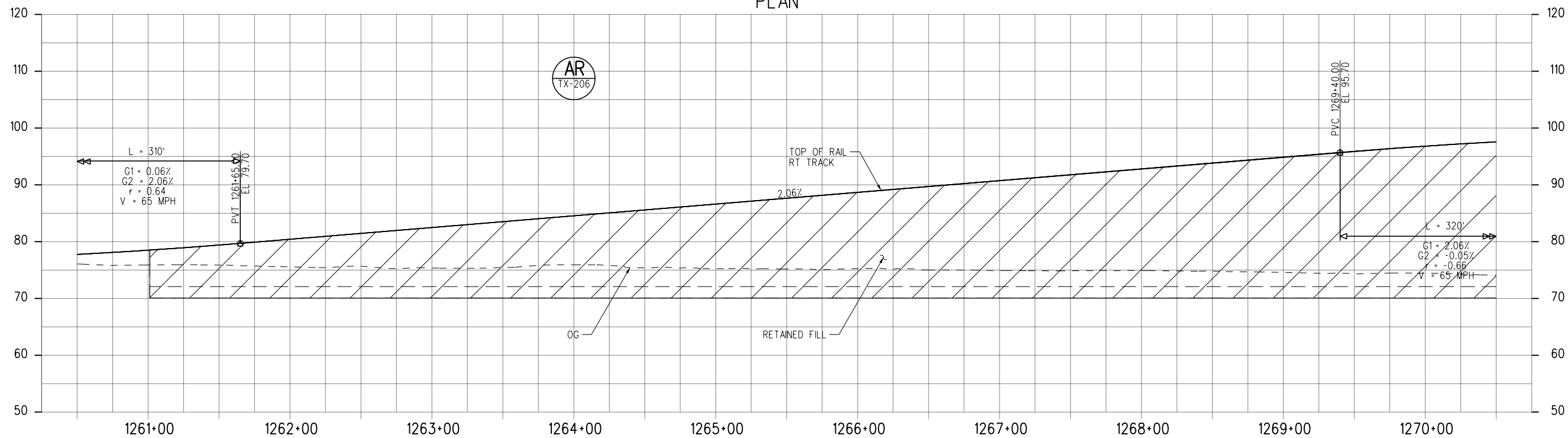
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
 TRACK ALIGNMENT  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 1250+50 TO STA 1260+50

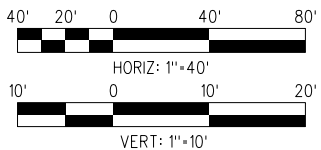
CONTRACT NO. AE5999300
DRAWING NO. T-248
SCALE HOR: 1"=40' VERT: 1"=10'
SHEET NO. 68 OF 107



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT249.plg

wsppw14\_pw-svc 02:28

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023


**M Metro**

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

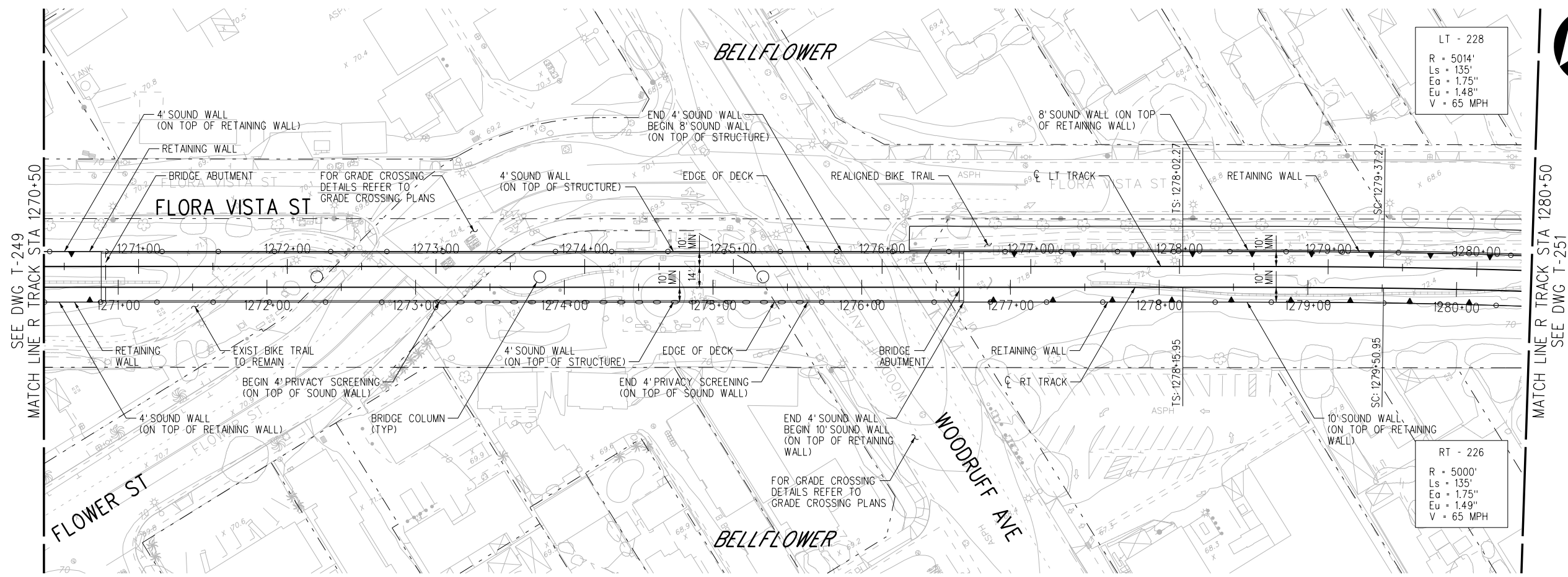
**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 1260+50 TO STA 1270+50**

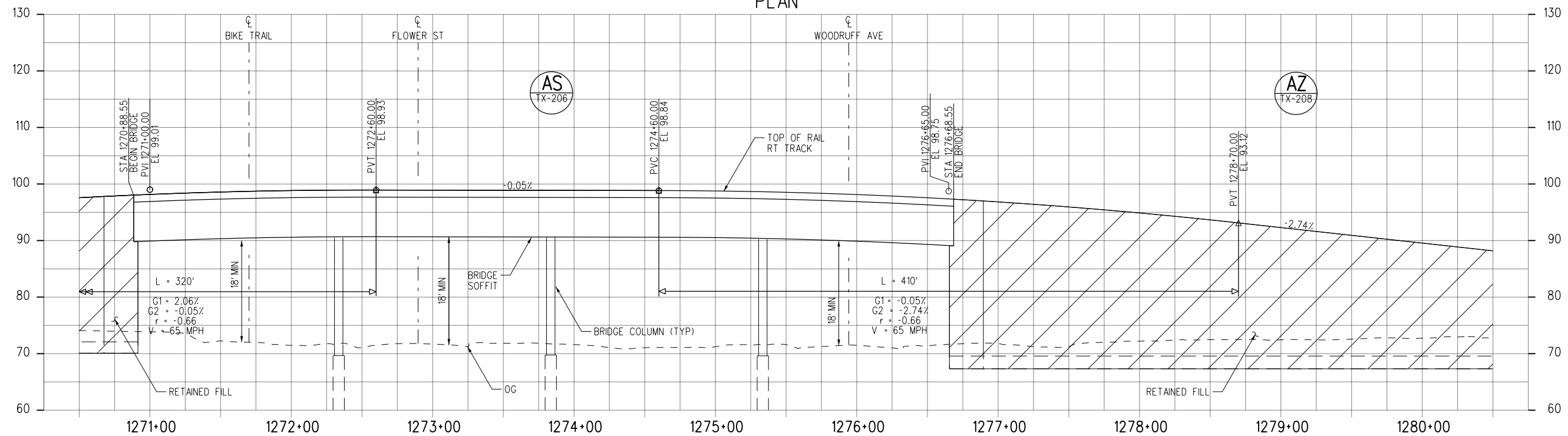
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>T-249</b>	
SCALE <b>HORIZ: 1"=40'</b> <b>VERT: 1"=10'</b>	
SHEET NO. <b>69</b>	OF 107



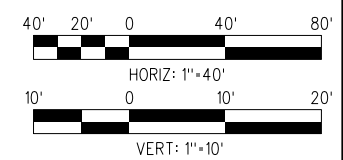
LT - 228  
 R = 5014'  
 Ls = 135'  
 Ea = 1.75"  
 Eu = 1.48"  
 V = 65 MPH

RT - 226  
 R = 5000'  
 Ls = 135'  
 Ea = 1.75"  
 Eu = 1.49"  
 V = 65 MPH

PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT250.plg  
 wspw14-pw-svc 02:26

REVISED FINAL ACE SUBMITTAL - 4/7/2023

DESIGNED BY	CB						
DRAWN BY	RM						
CHECKED BY	NM						
IN CHARGE	RL						
DATE	4/7/2023						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

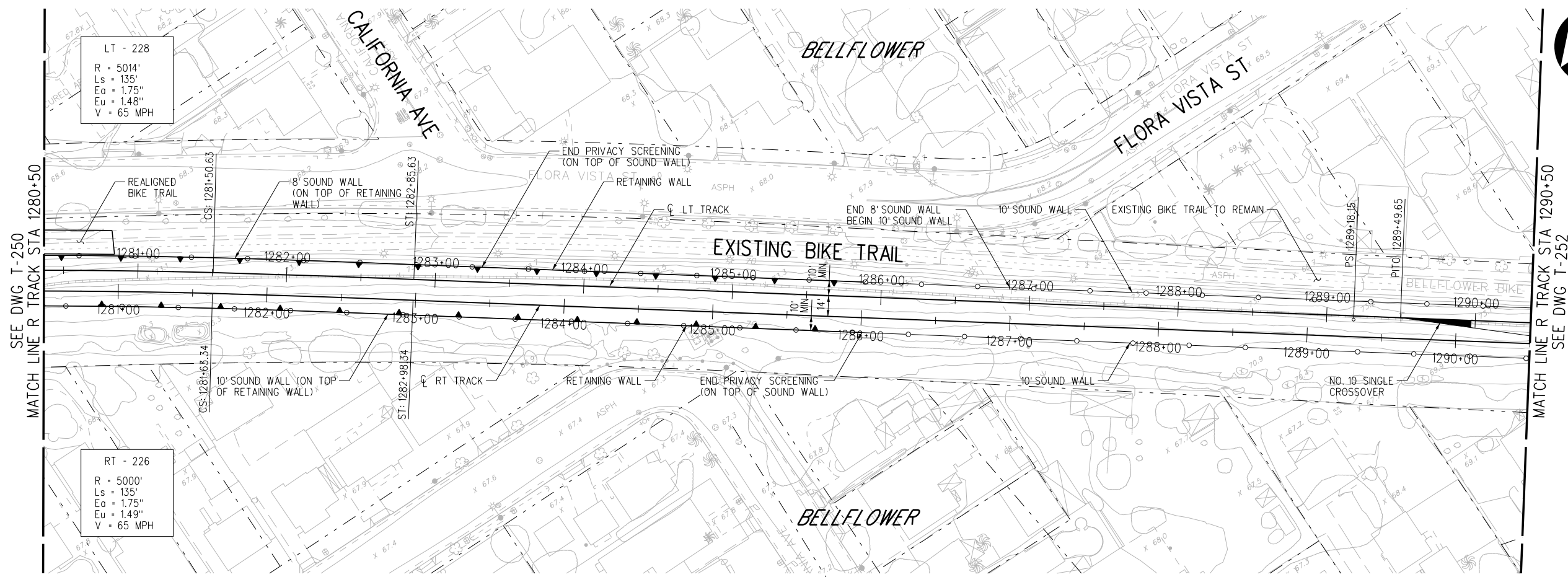
**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

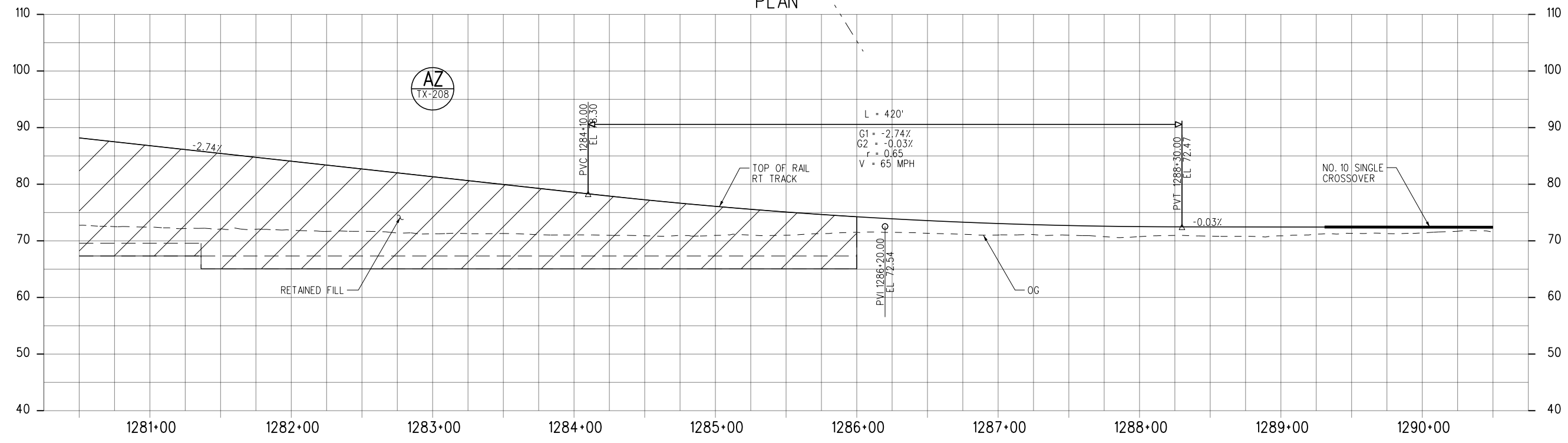
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE**  
 STA 1270+50 TO STA 1280+50

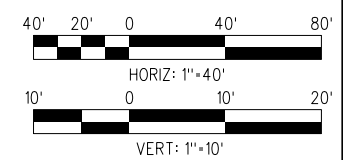
CONTRACT NO.	AE5999300
DRAWING NO.	T-250
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	70 OF 107



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT251.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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.						
3	4/7/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

**M Metro**

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

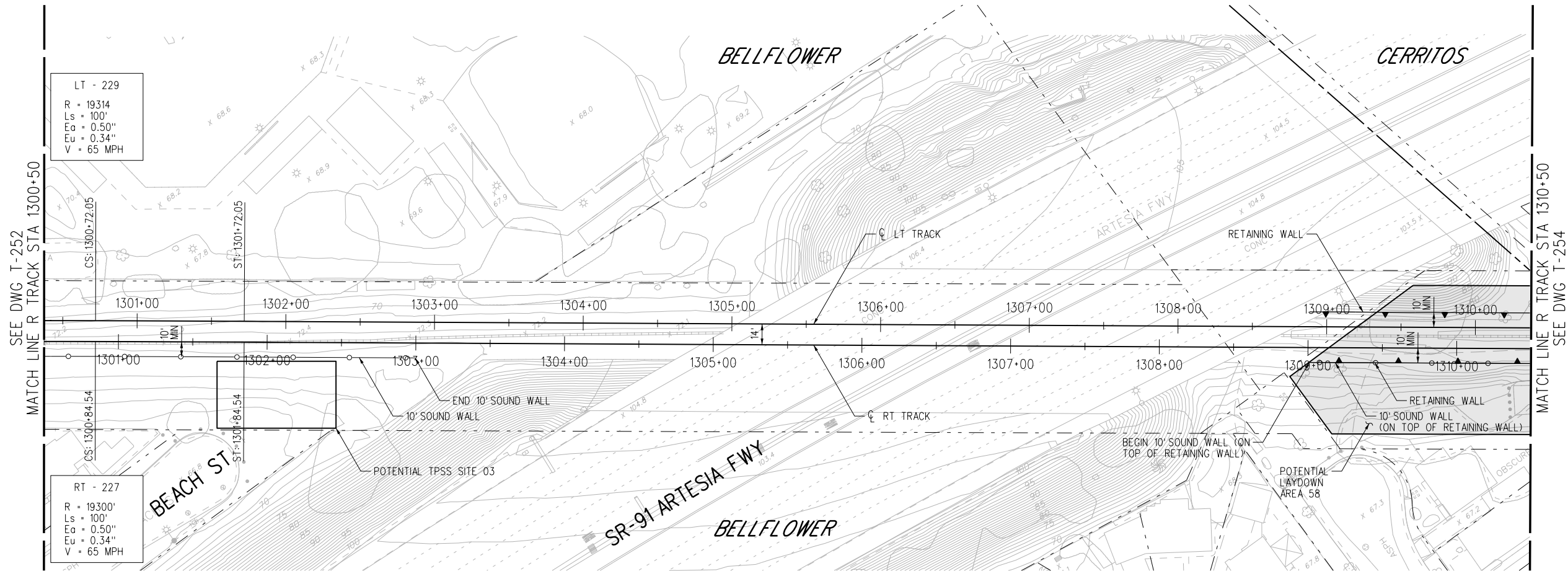
**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
 STA 1280+50 TO STA 1290+50

CONTRACT NO. <b>AE5999300</b>
DRAWING NO. <b>T-251</b>
SCALE HOR: 1"=40' VERT: 1"=10'
SHEET NO. 71 OF 107

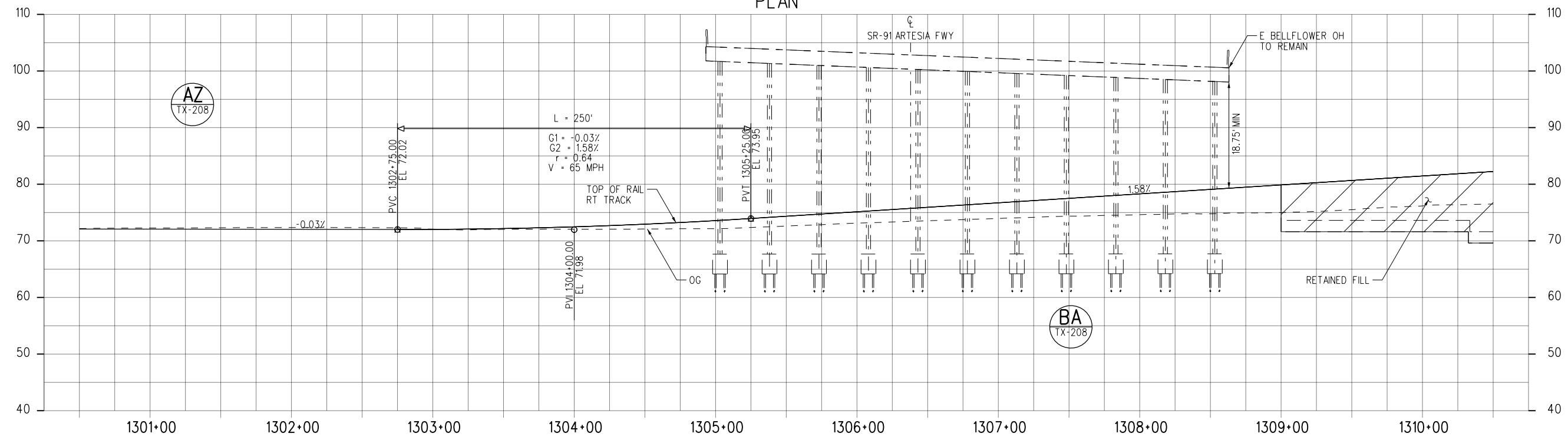




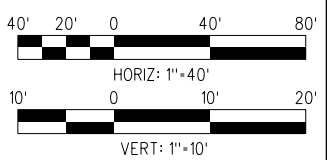




PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT253.plg  
wsppw14-pw-svc 02:26

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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.						
3	4/7/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

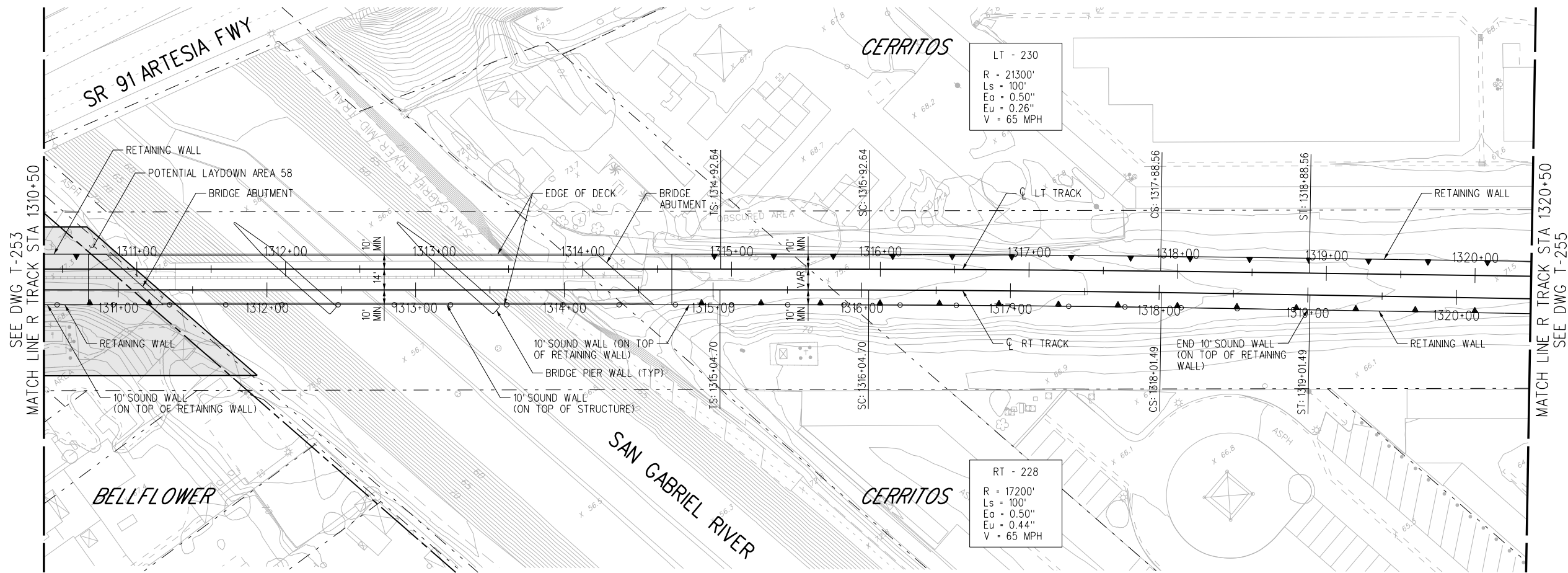
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 1300+50 TO STA 1310+50**

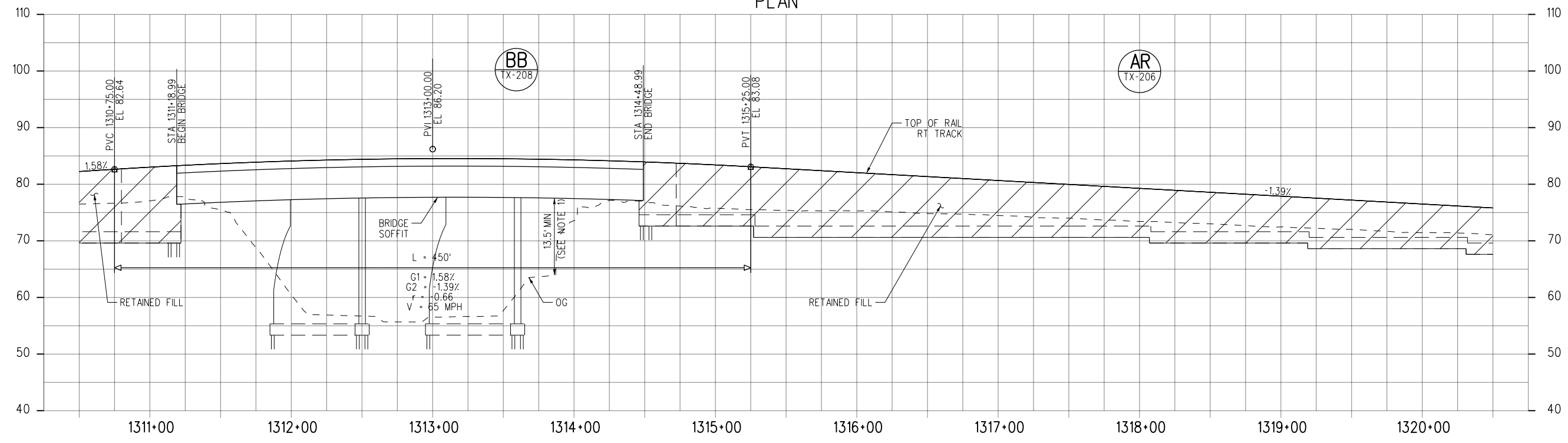
CONTRACT NO	AE5999300
DRAWING NO	T-253
SCALE	HOR: 1"=40' VERT: 1"=10'
SHEET NO	73 OF 107



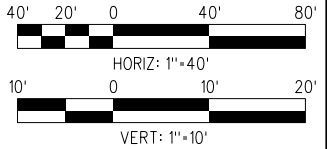
**NOTES:**  
 1. MINIMUM VERTICAL CLEARANCE INCLUDES 3.5' FREEBOARD.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT254.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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.						
3	4/7/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

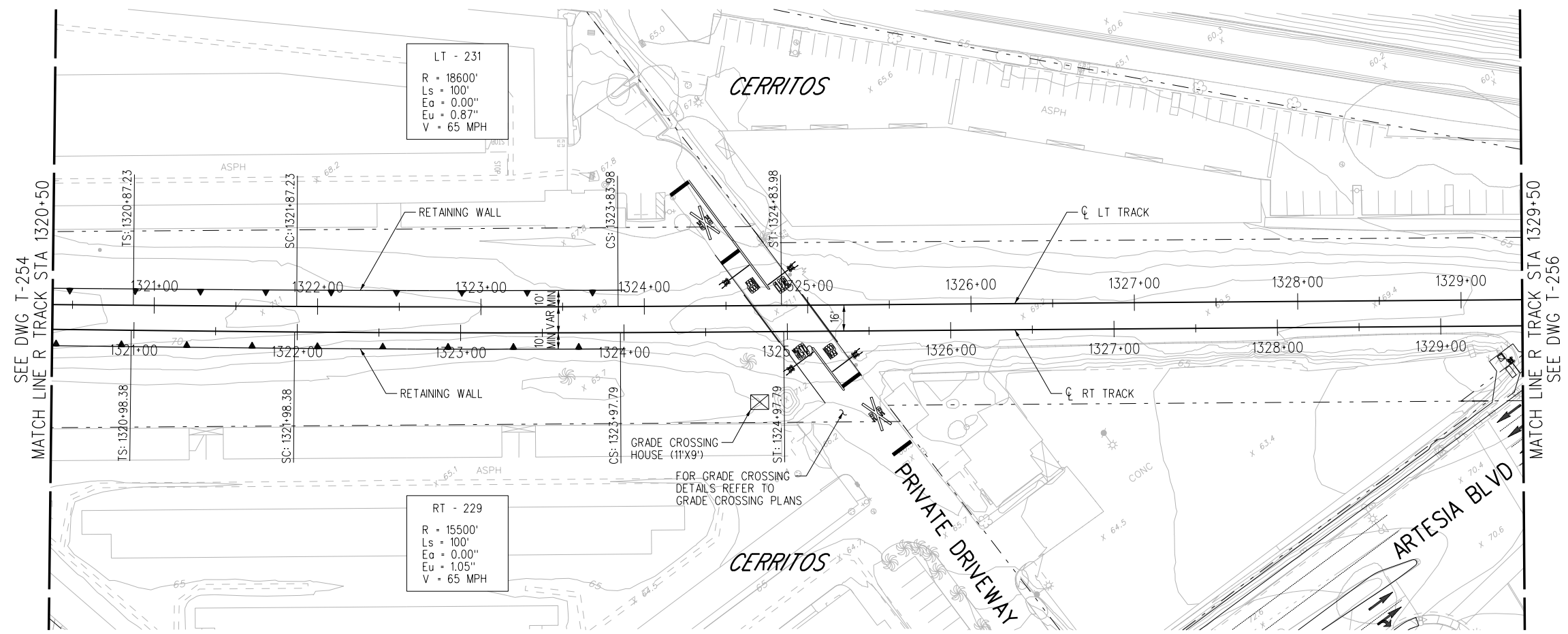
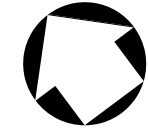
**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

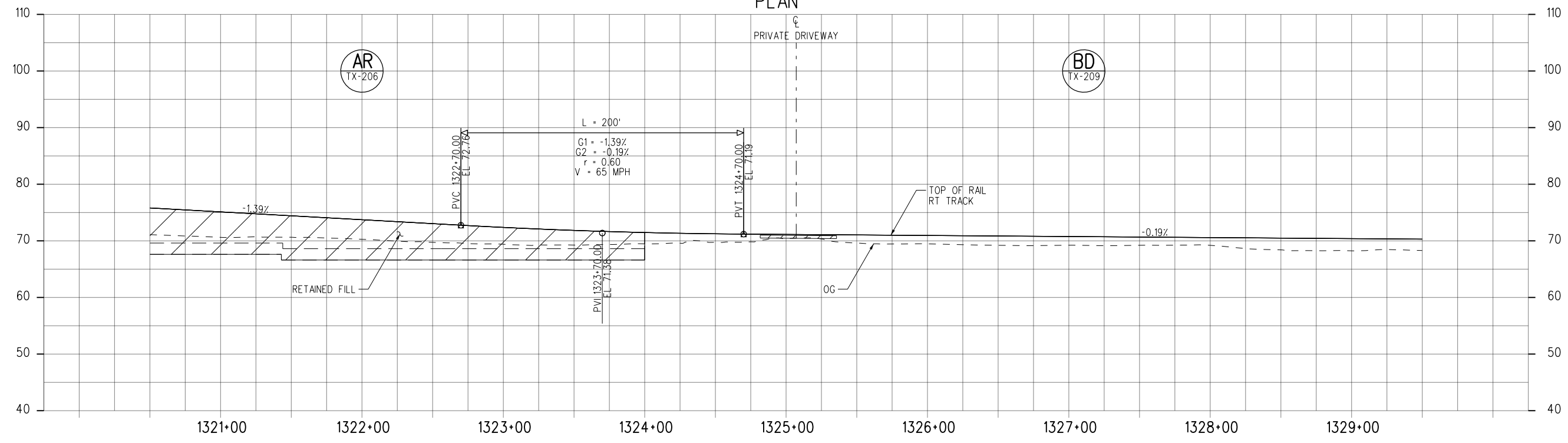
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE**  
 STA 1310+50 TO STA 1320+50

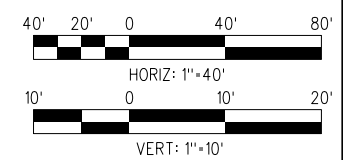
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>T-254</b>	
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO. 74 OF 107	



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT255.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

DESIGNED BY	CB						
DRAWN BY	RM						
CHECKED BY	NM						
IN CHARGE	RL						
DATE	4/7/2023						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

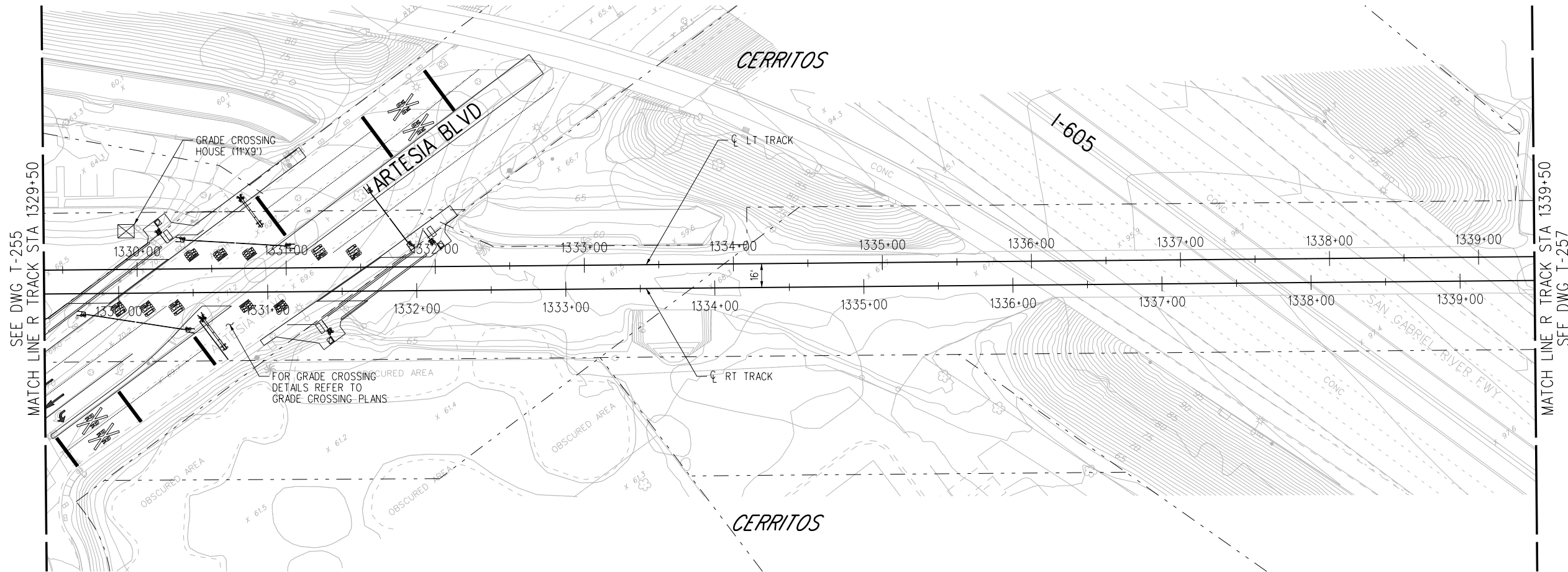
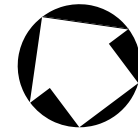
**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

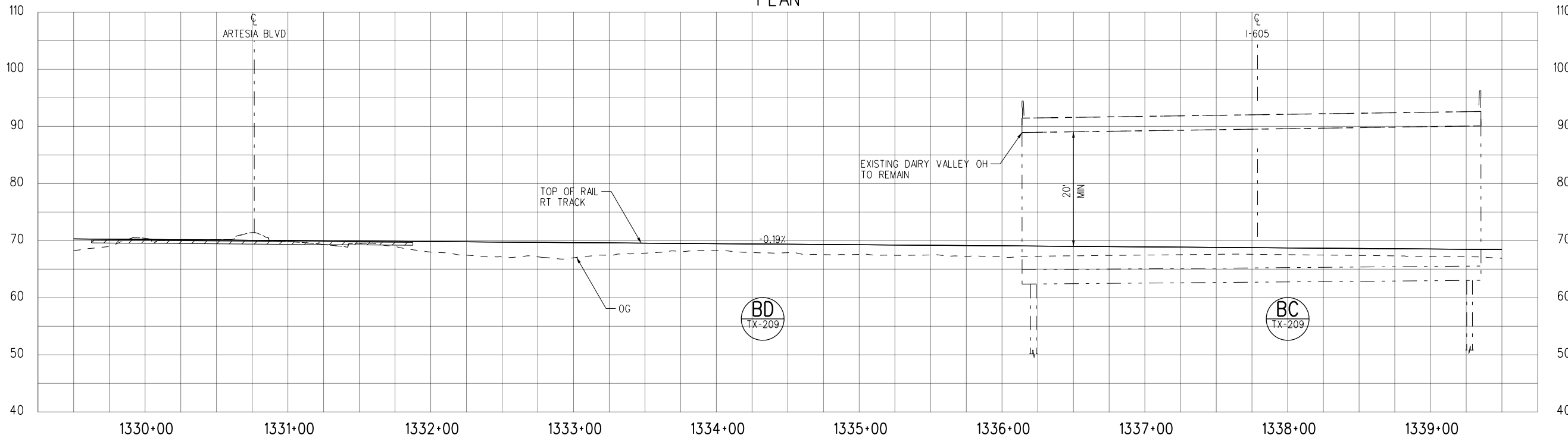
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
 STA 1320+50 TO STA 1329+50

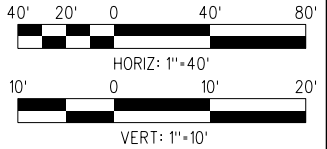
CONTRACT NO.	AE5999300
DRAWING NO.	T-255
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	75 OF 107



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT256.plg  
wsppw14\_pw-svc 02:27

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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DESIGNED BY	CB	DATE	4/7/2023	BY		DESCRIPTION
DRAWN BY	RM	APP		REG NO.		REVISED FINAL ACE SUBMITTAL
CHECKED BY	NM	EXPIRES		SEAL HOLDER		
IN CHARGE	RL					
DATE	4/7/2023					

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

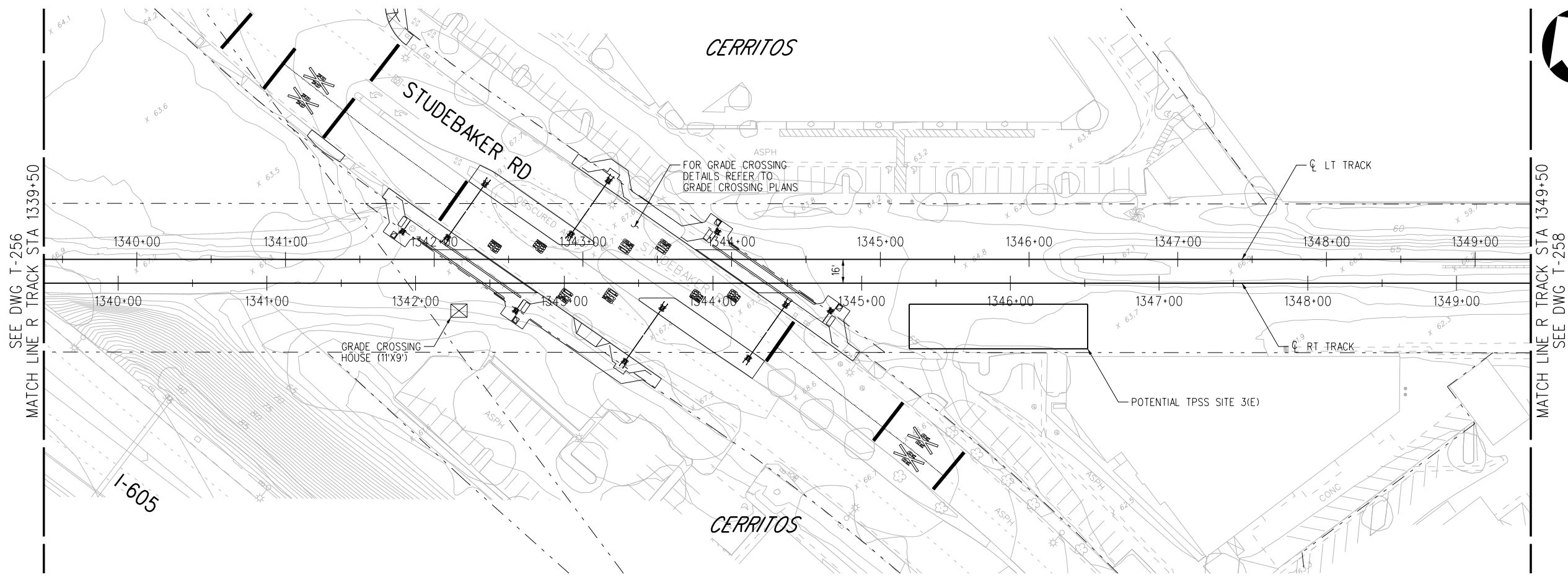
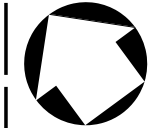
**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

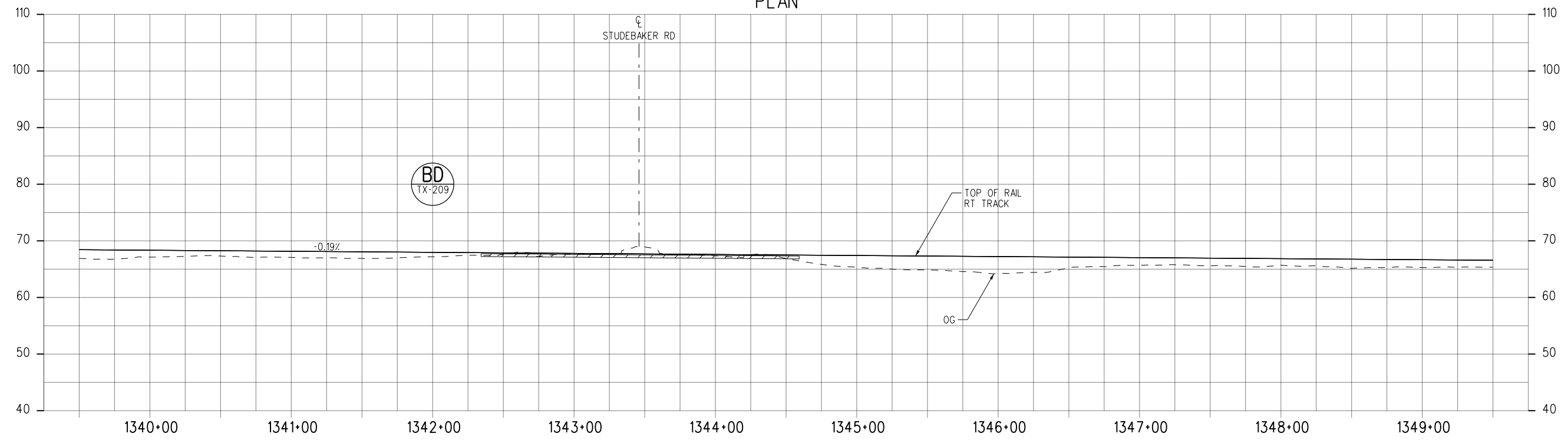
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 1329+50 TO STA 1339+50**

CONTRACT NO.	AE5999300
DRAWING NO.	T-256
SCALE	HOR: 1"=40' VERT: 1"=10'
SHEET NO.	76 OF 107



PLAN



PROFILE

**NOT FOR CONSTRUCTION**

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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DESIGNED BY	CB	IN CHARGE	RL	DATE	4/7/2023	DESCRIPTION
DRAWN BY	RM	CHECKED BY	NM	DATE	4/7/2023	DESCRIPTION
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
3	4/7/2023					REVISED FINAL ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

**Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

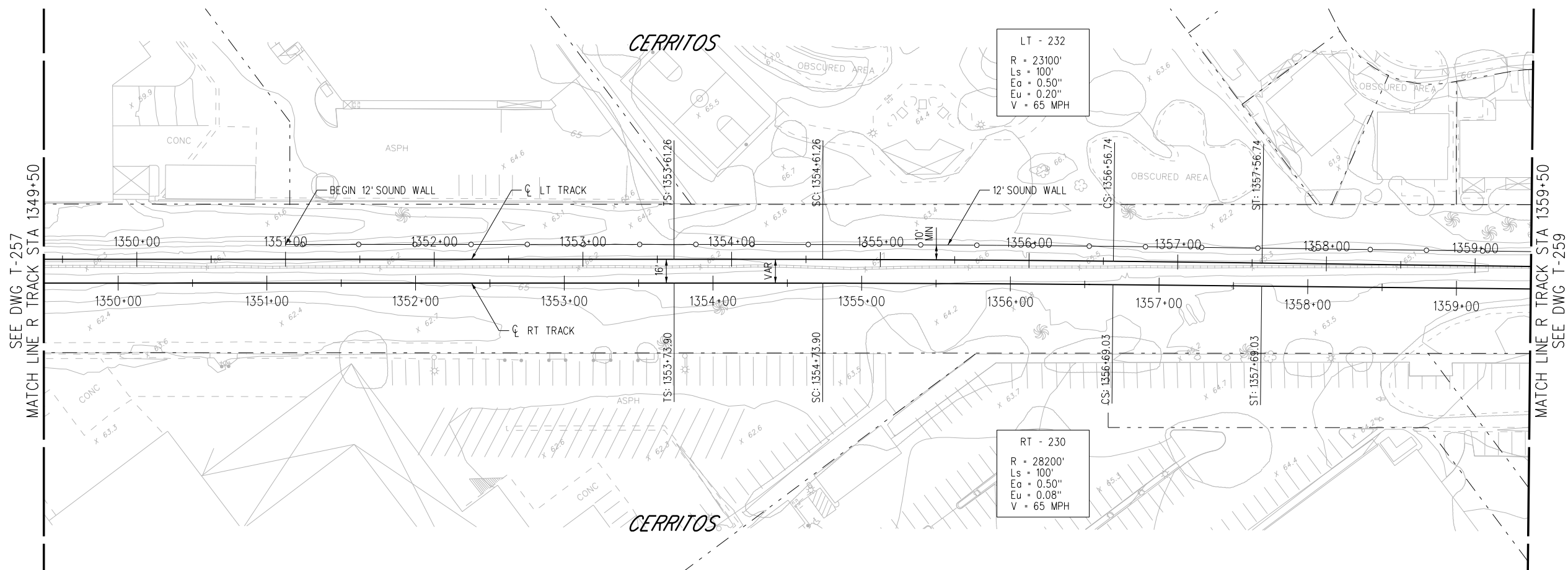
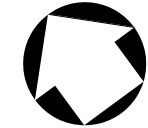
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

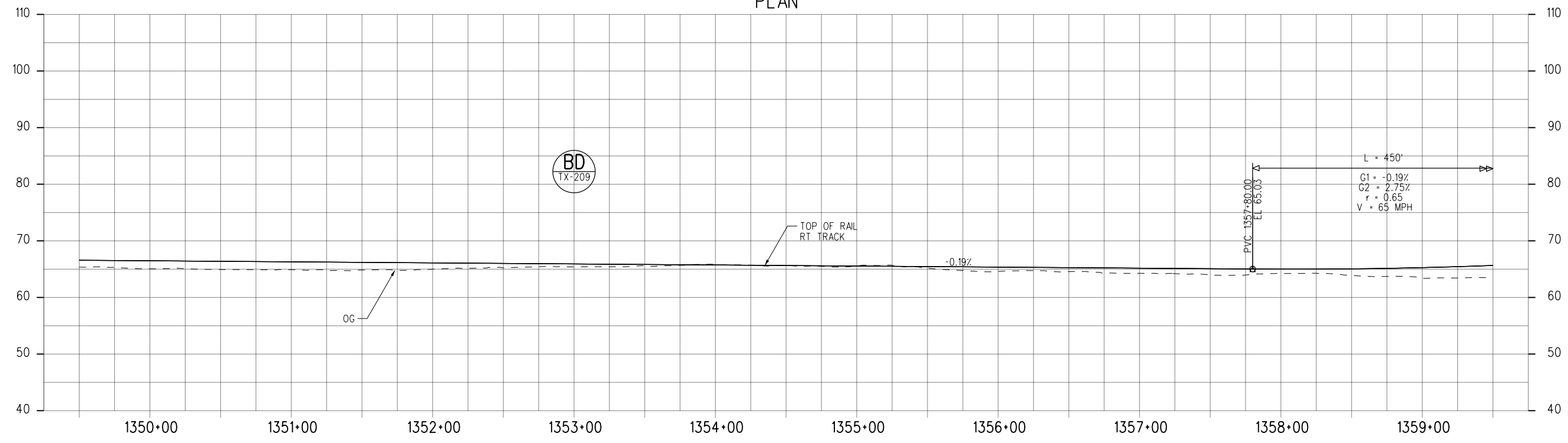
WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 1339+50 TO STA 1349+50

CONTRACT NO.	AE5999300
DRAWING NO.	T-257
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	77 OF 107

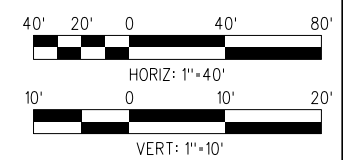
15-DEC-2023 E-28091AT257.plg



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT258.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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	4/7/2023	BY		DESCRIPTION
DRAWN BY	RM	APP		REG NO.		REVISED FINAL ACE SUBMITTAL
CHECKED BY	NM	EXPIRES		SEAL HOLDER		
IN CHARGE	RL					
DATE	4/7/2023					

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

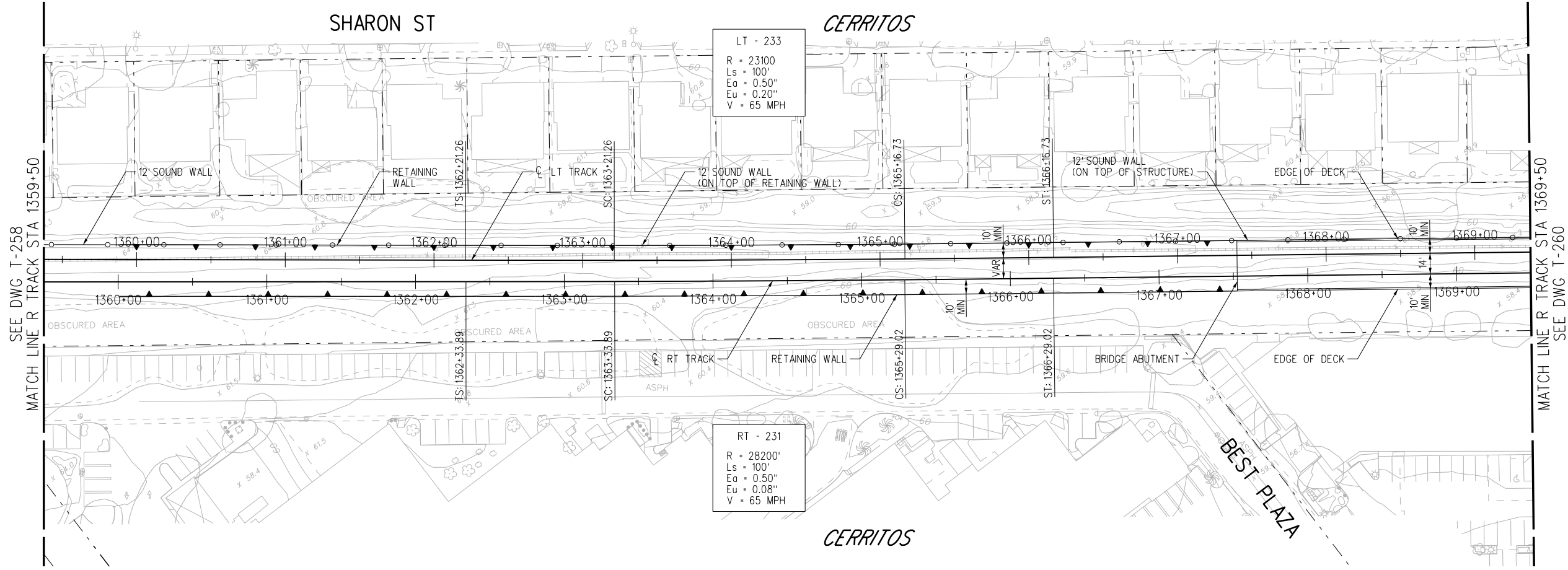
**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

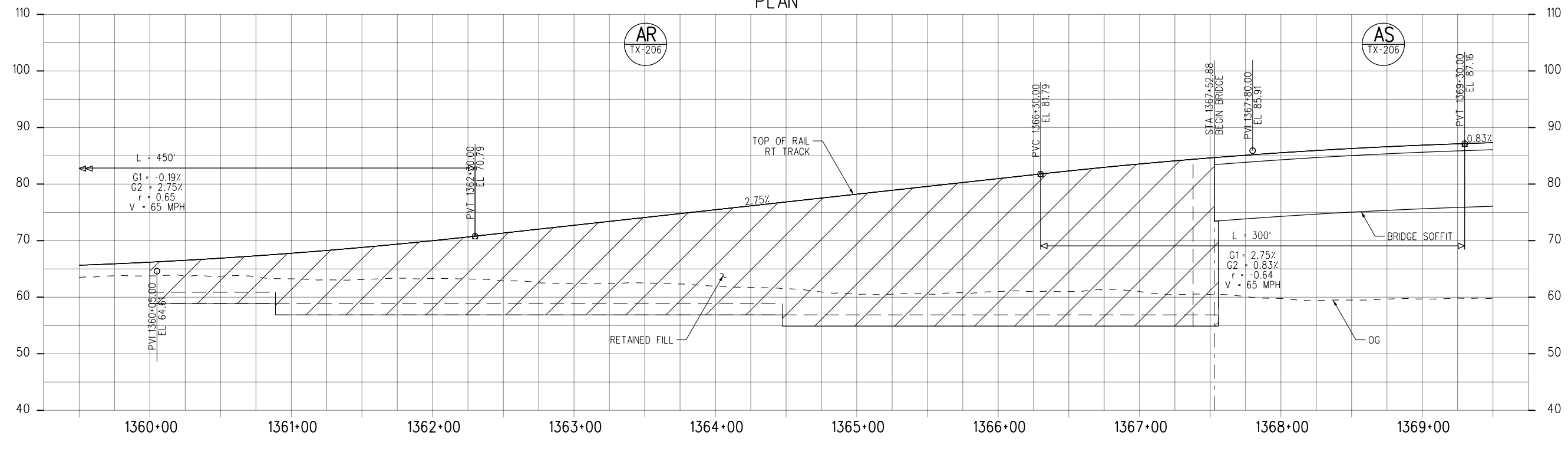
APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 1349+50 TO STA 1359+50

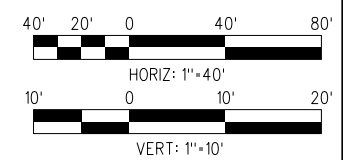
CONTRACT NO.	AE5999300
DRAWING NO.	T-258
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	78 OF 107



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT259.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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
3	4/7/2023					
						REVISOR
						DESCRIPTION
						REVISED FINAL ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

**M Metro**

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

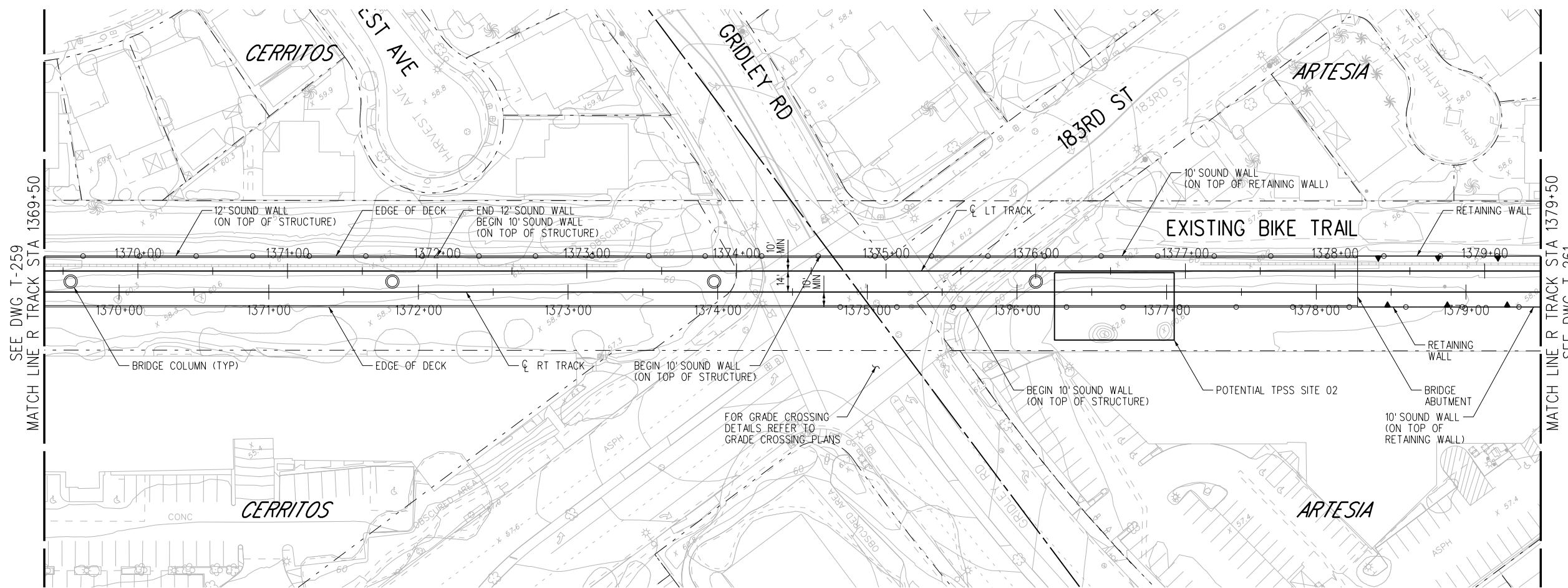
**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**

**LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE**

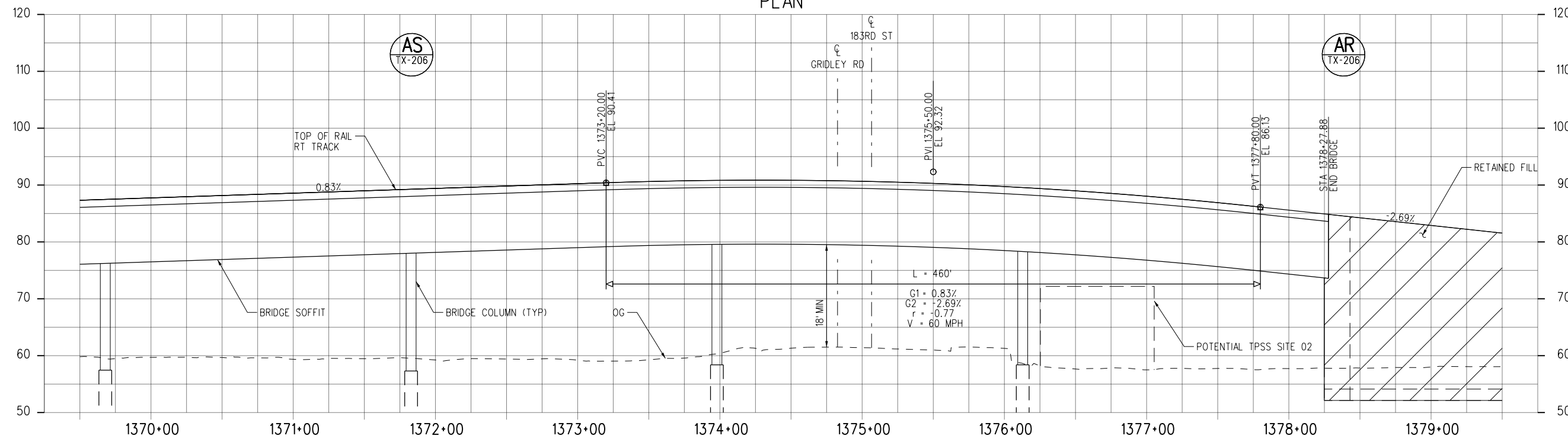
**STA 1359+50 TO STA 1369+50**

CONTRACT NO.	AE5999300
DRAWING NO.	T-259
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	79 OF 107

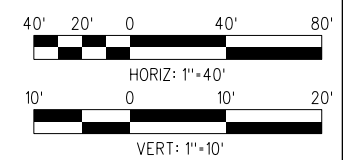




PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT260.plg  
wsppw14\_pw-svc 02:26

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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	4/7/2023	REVISED FINAL ACE SUBMITTAL	DESCRIPTION	
DRAWN BY	RM	BY				
CHECKED BY	NM	APP				
IN CHARGE	RL	REG NO.				
DATE	4/7/2023	EXPIRES				
SEAL HOLDER						

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

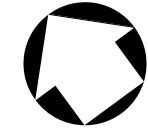
**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

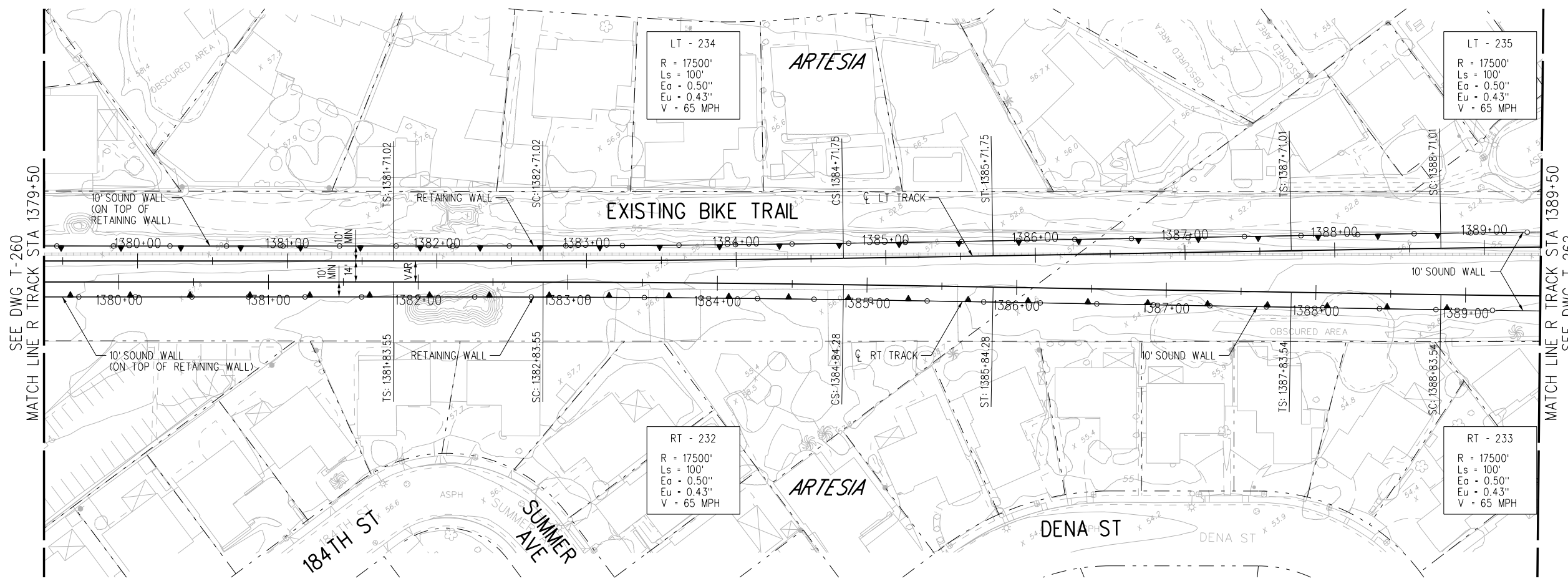
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
 STA 1369+50 TO STA 1379+50

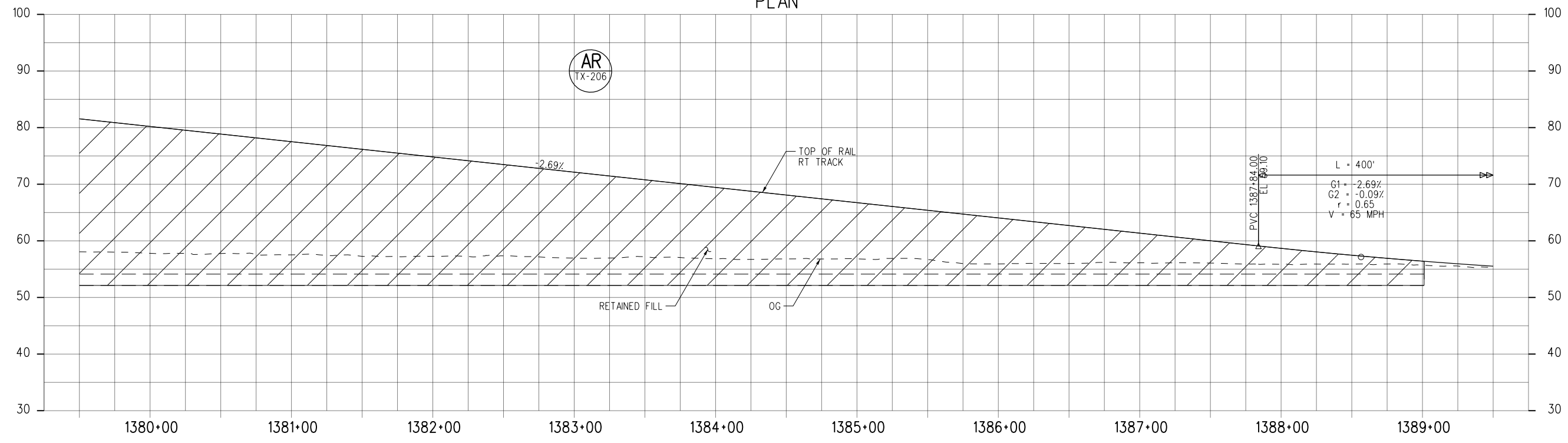
CONTRACT NO.	AE5999300
DRAWING NO.	T-260
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	80 OF 107



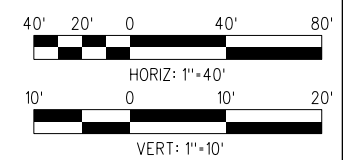
**NOTES:**  
 1. METRO DESIGN DEVIATION MAY BE REQUIRED. SECTION 10 STATES CROSSOVER SHOULD BE WITHIN 500' FROM TERMINAL PLATFORM.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT261.plg  
wspw14-pw-svc 02:26

REVISED FINAL ACE SUBMITTAL - 4/7/2023

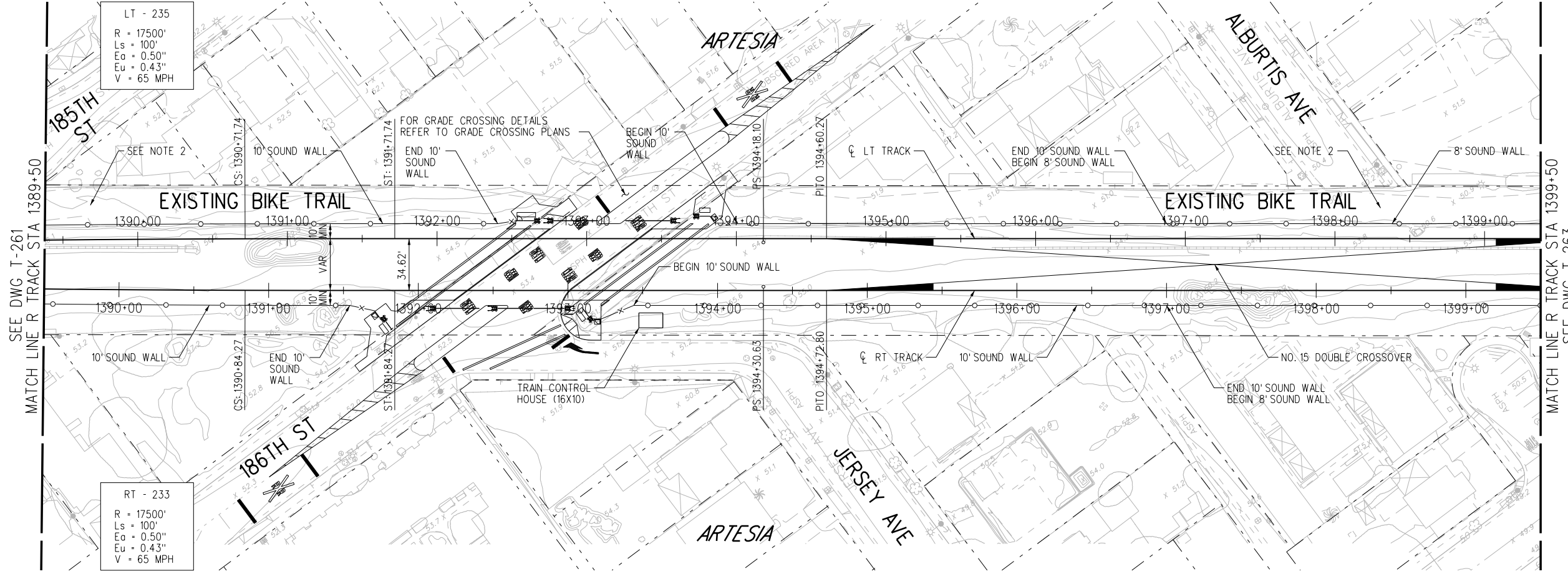
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB	 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	CONTRACT NO. <b>AE5999300</b>					
3	4/7/2023	DRAWN BY RM		DRAWING NO. <b>T-261</b>	REV				
		CHECKED BY NM		SCALE HORIZ: 1"=40' VERT: 1"=10'					
		IN CHARGE RL		SHEET NO.					
		DATE 4/7/2023		81	OF 107				
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION		
							REVISED FINAL ACE SUBMITTAL		

LT - 235  
 R = 17500'  
 Ls = 100'  
 E<sub>g</sub> = 0.50"  
 E<sub>v</sub> = 0.43"  
 V = 65 MPH

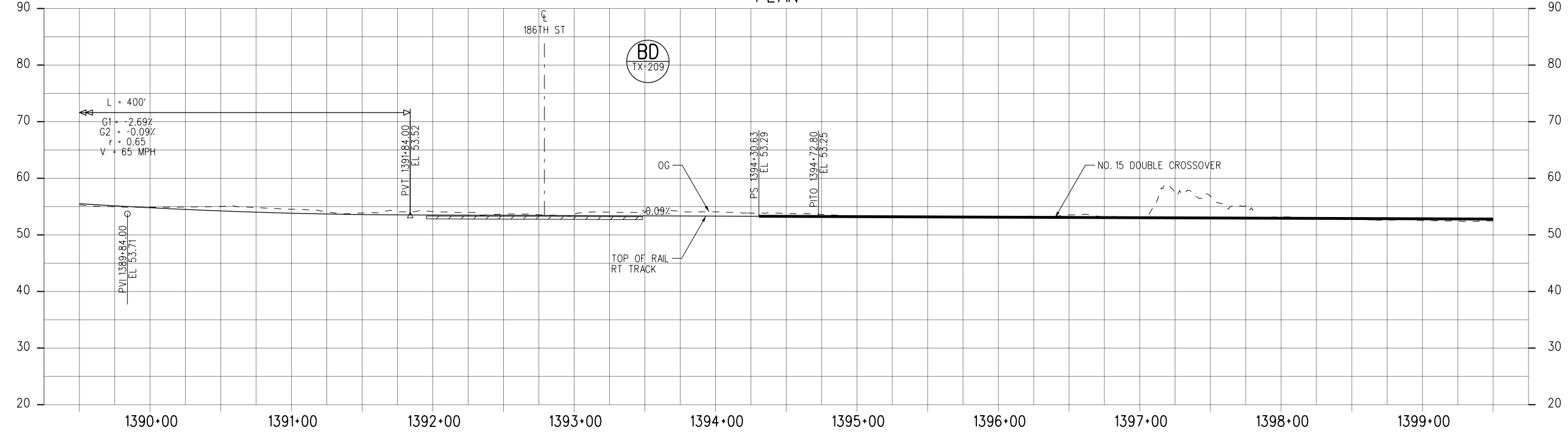
RT - 233  
 R = 17500'  
 Ls = 100'  
 E<sub>g</sub> = 0.50"  
 E<sub>v</sub> = 0.43"  
 V = 65 MPH



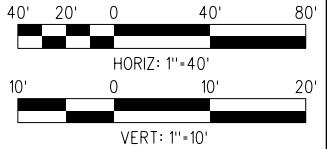
- NOTES:**
- SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 6'5" TOP PANEL 150' FROM GRADE CROSSINGS.
  - POTENTIAL MODIFICATIONS TO ACCOMMODATE PROJECT FEATURES: TO BE DISCUSSED AS DESIGN ADVANCES (LIMITED SEGMENTS).



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

14-FEB-2024 E-28091AT262.plg  
wspdw14-pw-svc 17:41

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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.						
3	4/7/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

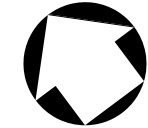
**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

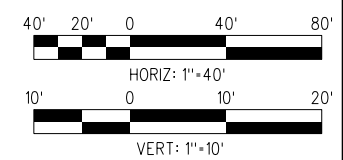
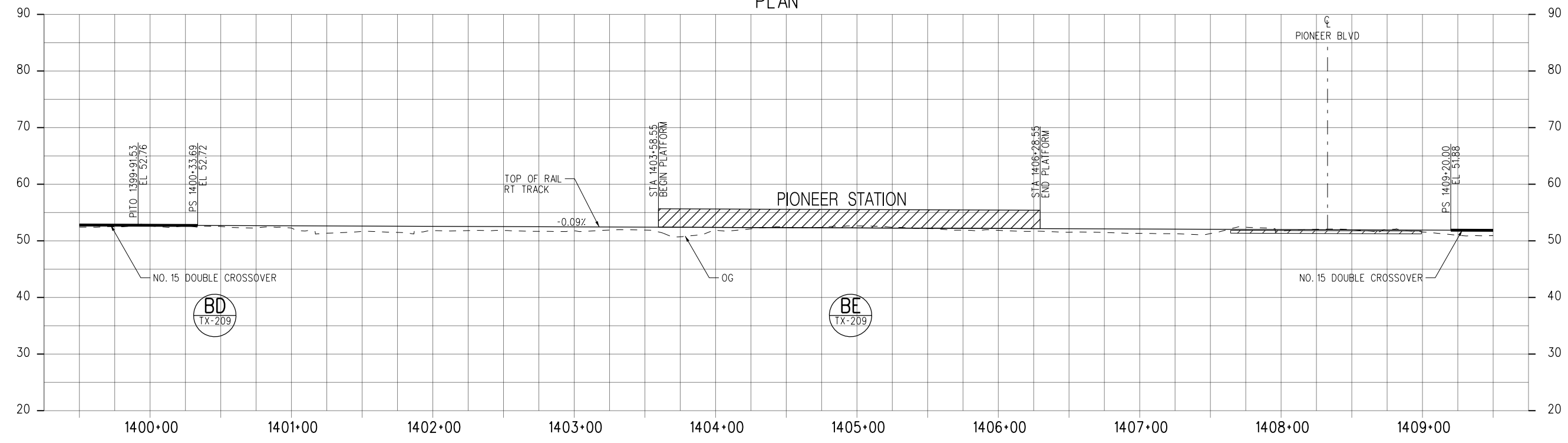
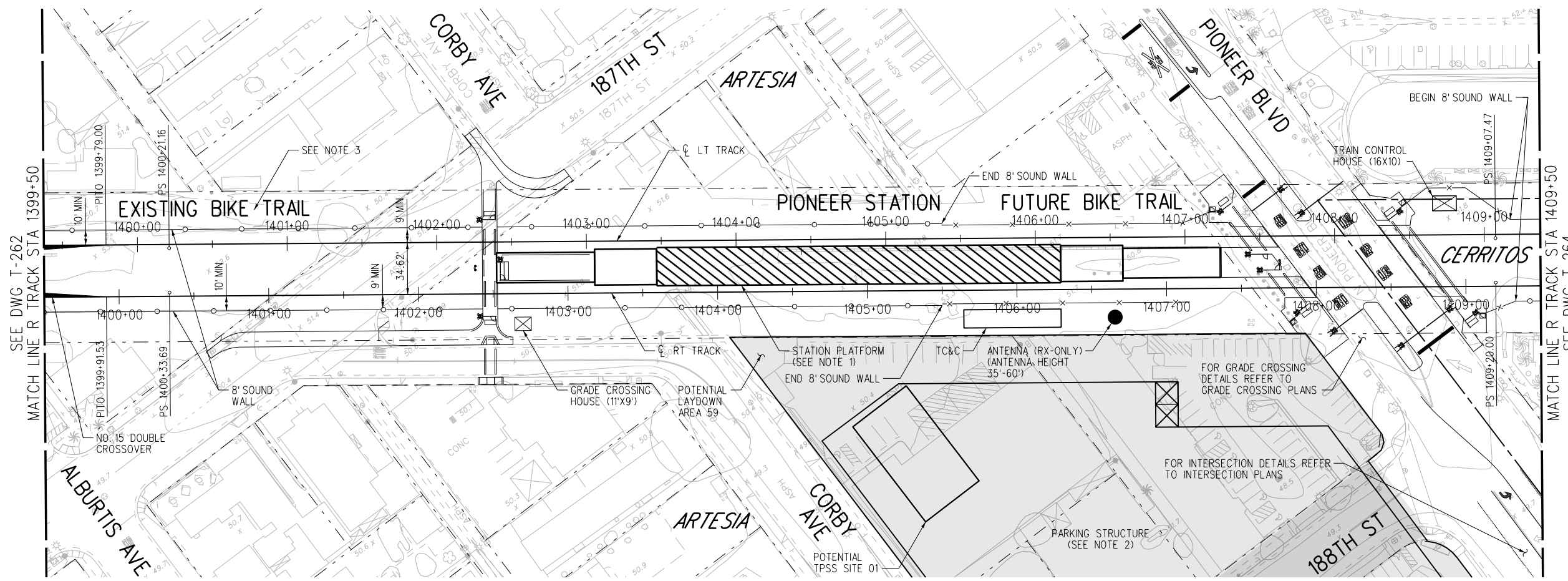
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
 TRACK ALIGNMENT  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN & PROFILE  
 STA 1389+50 TO STA 1399+50**

CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>T-262</b>	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 82	OF 107



- NOTES:**
1. FOR STATION LAYOUT SEE STATION SITE PLANS, SHEET A16-001.
  2. SEE STATION PLANS FOR PARKING STRUCTURE DETAILS.
  3. POTENTIAL MODIFICATIONS TO ACCOMMODATE PROJECT FEATURES TO BE DISCUSSED AS DESIGN ADVANCES (LIMITED SEGMENTS).



**NOT FOR CONSTRUCTION**

14-FEB-2024 E-28091AT263.plg

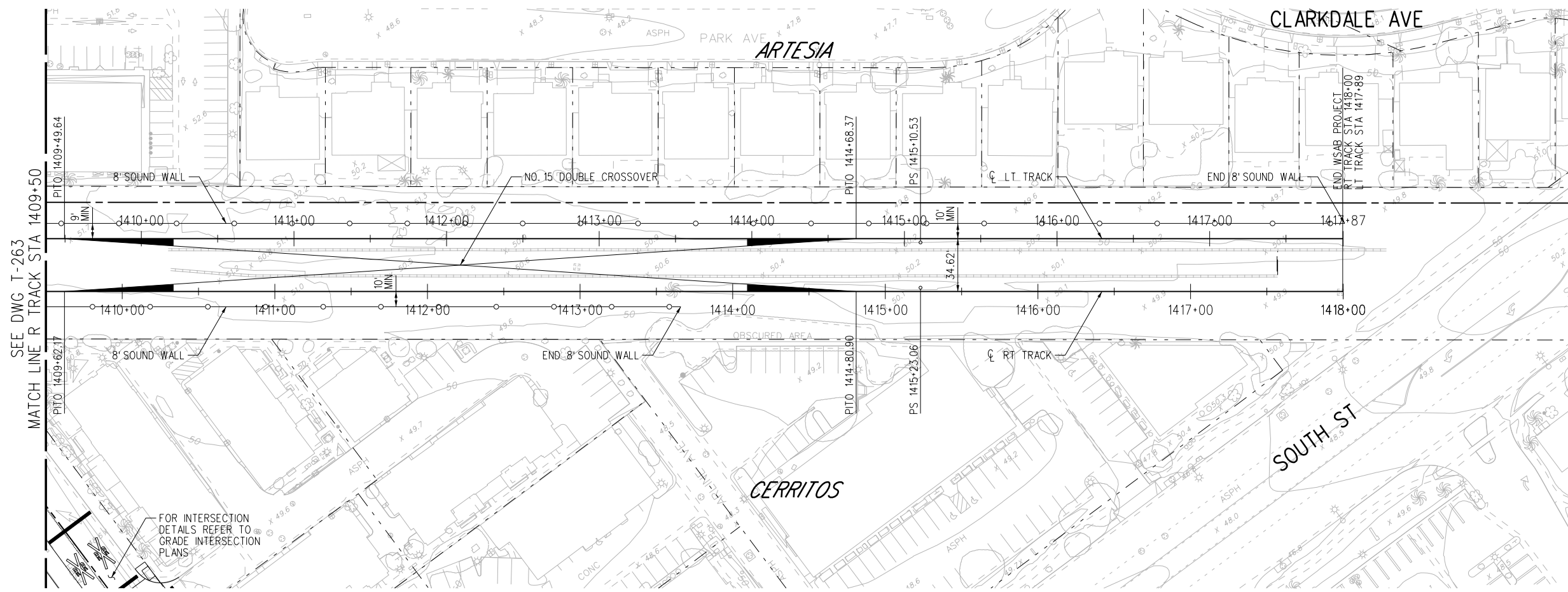
REVISED FINAL ACE SUBMITTAL - 4/7/2023

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
3	4/7/2023	DRAWN BY RM
REV	DATE	CHECKED BY NM
BY	APP	IN CHARGE RL
REG NO.	EXPIRES	DATE 4/7/2023
SEAL HOLDER	DESCRIPTION REVISED FINAL ACE SUBMITTAL	

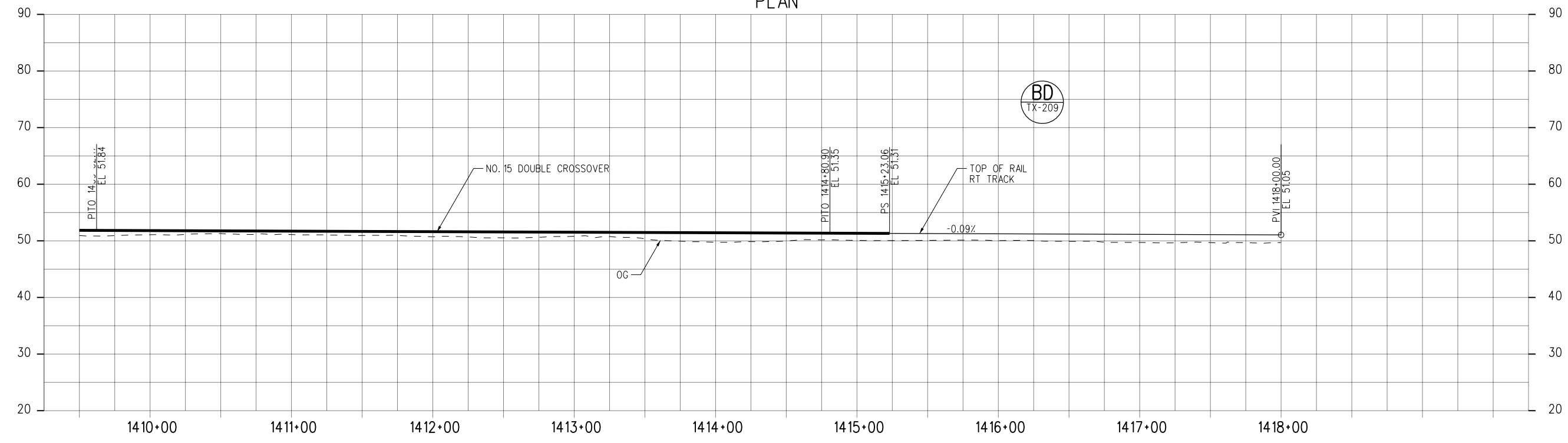
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**  
 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

CONTRACT NO. <b>AE5999300</b>	REVISIONS
DRAWING NO. <b>T-263</b>	REV
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 83	OF 107

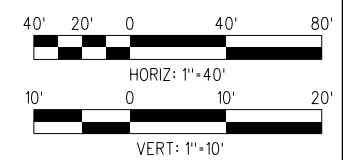
**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN & PROFILE**  
**STA 1399+50 TO STA 1409+50**



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT264.plg

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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
3	4/7/2023					
						REVISED FINAL ACE SUBMITTAL
						DESCRIPTION

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

**M Metro**

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**

**LOCALLY PREFERRED ALTERNATIVE PLAN & PROFILE**

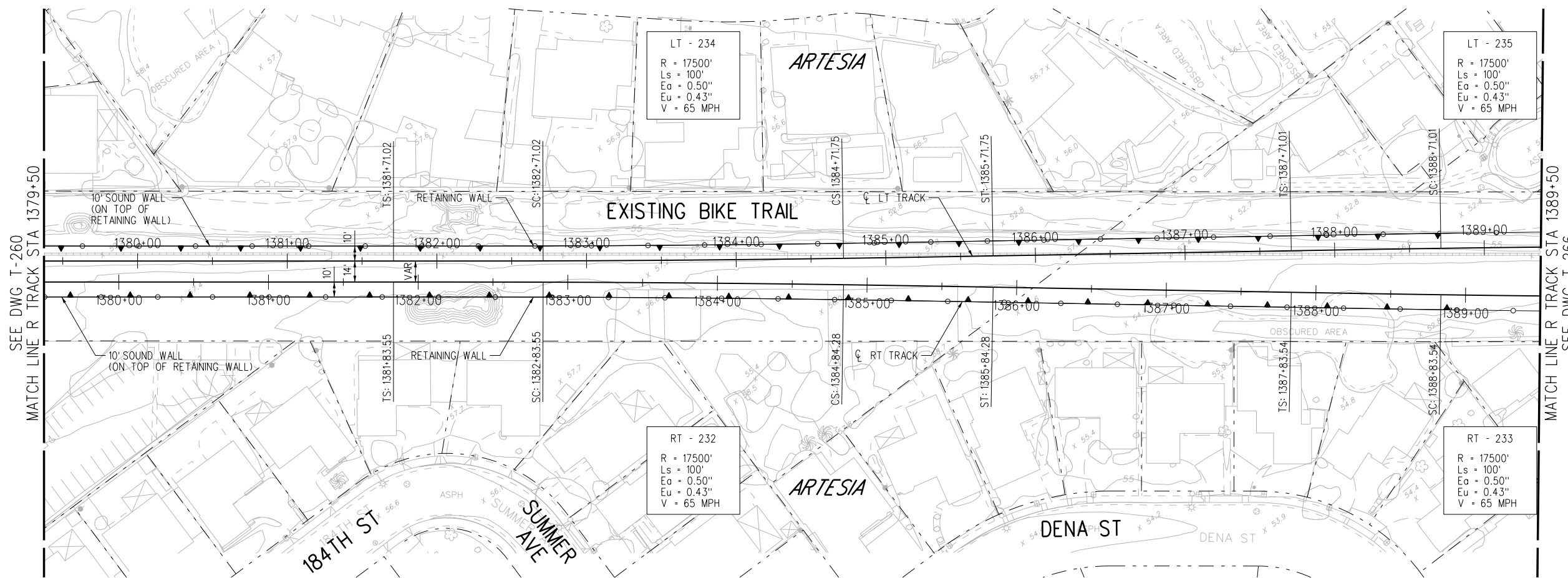
**STA 1409+50 TO STA 1418+00**

CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>T-264</b>	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. <b>84</b>	OF 107

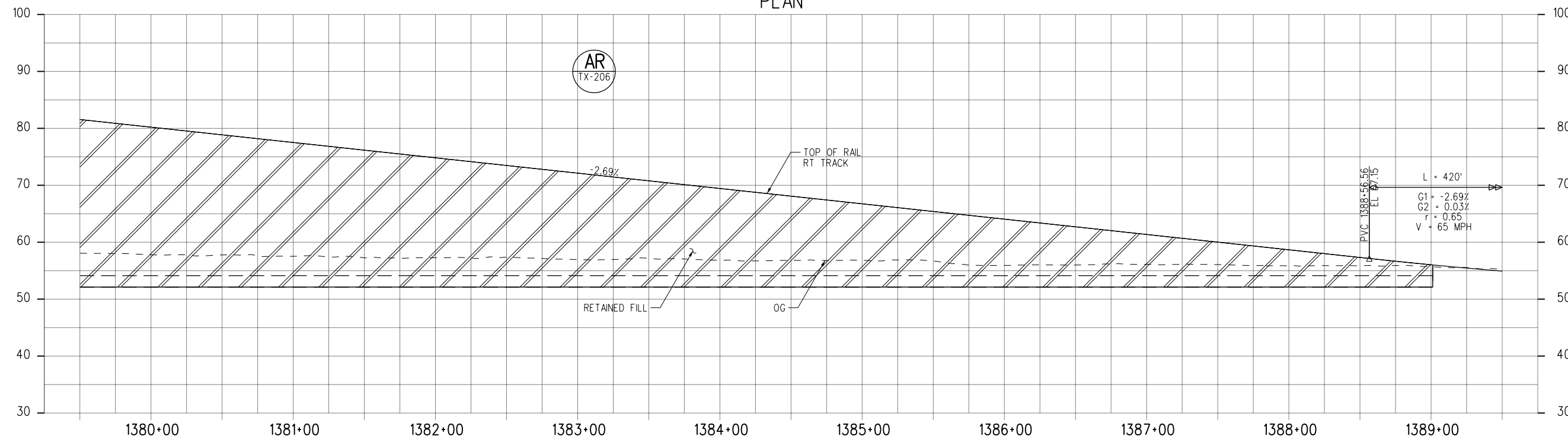


**NOTES:**

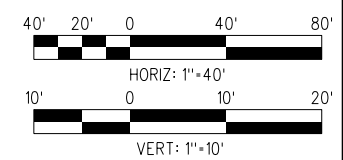
- METRO DESIGN DEVIATION MAY BE REQUIRED. SECTION 10 STATES CROSSOVER SHOULD BE WITHIN 500' FROM TERMINAL PLATFORM.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT265.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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	  515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	CONTRACT NO. <b>AE5999300</b>					
3	4/7/2023	DRAWN BY RM		DRAWING NO. <b>T-265</b>					
		CHECKED BY NM		SCALE HORIZ: 1"=40' VERT: 1"=10'					
		IN CHARGE RL		SHEET NO. 85 OF 107					
		DATE 4/7/2023							
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION		
							REVISED FINAL ACE SUBMITTAL		

DESIGNED BY  
CB

DRAWN BY  
RM

CHECKED BY  
NM

IN CHARGE  
RL

DATE  
4/7/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**Metro**

**wsp**

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT OPTION 1 PLAN & PROFILE**

STA 1379+50 TO STA 1389+50

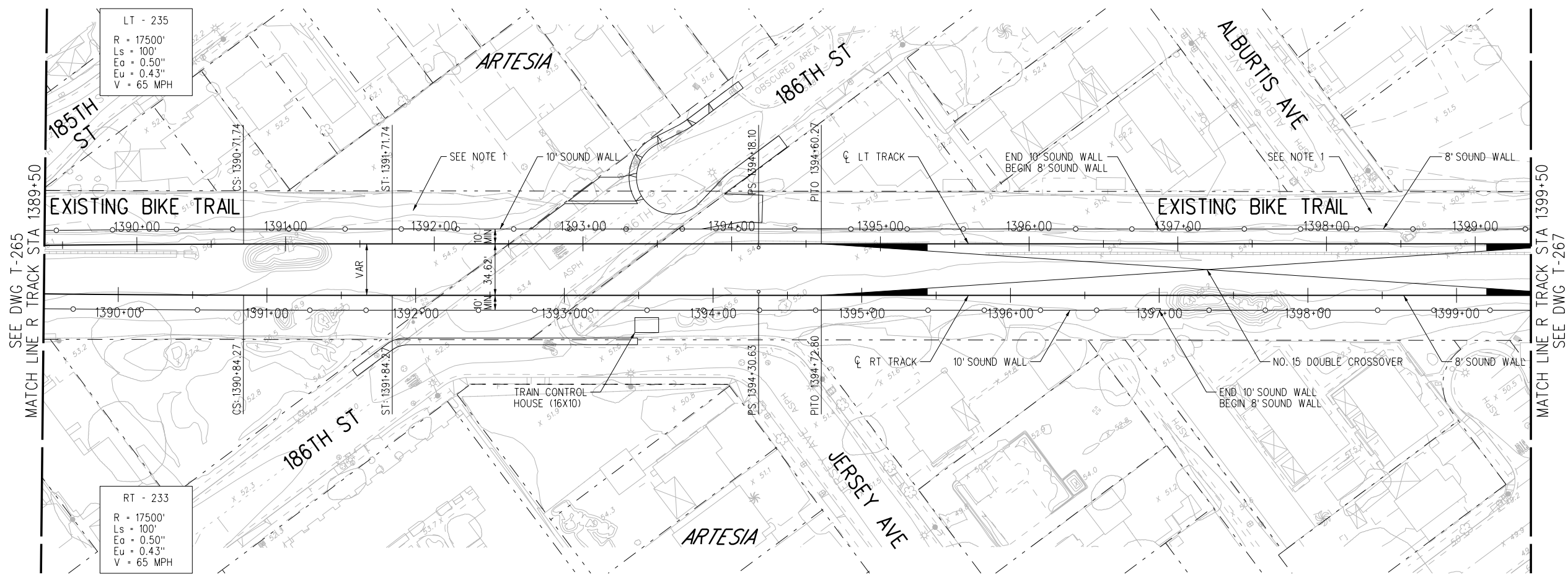


LT - 235  
 R = 17500'  
 Ls = 100'  
 Ee = 0.50"  
 Ee = 0.43"  
 V = 65 MPH

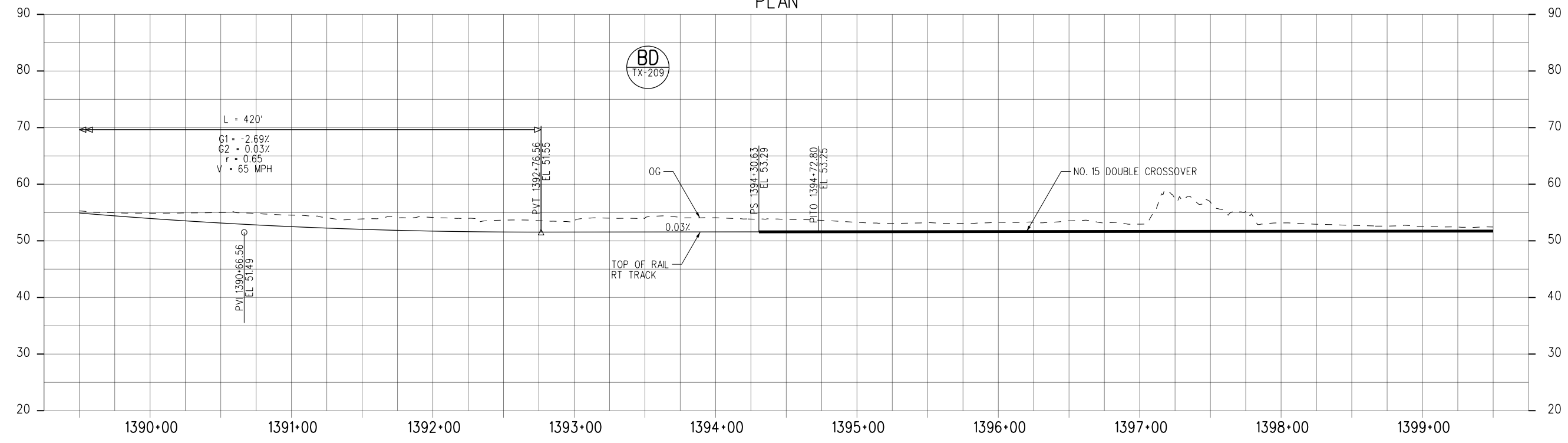
RT - 233  
 R = 17500'  
 Ls = 100'  
 Ee = 0.50"  
 Ee = 0.43"  
 V = 65 MPH



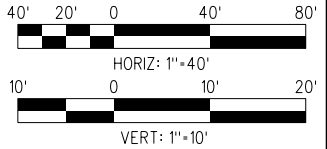
**NOTE:**  
 1. POTENTIAL MODIFICATIONS TO ACCOMMODATE PROJECT FEATURES: TO BE DISCUSSED AS DESIGN ADVANCES (LIMITED SEGMENTS).



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

14-FEB-2024 E-28091AT266.plg

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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DESIGNED BY	CB	DATE	4/7/2023	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
DRAWN BY	RM	REV	3	DATE	4/7/2023	REVISED FINAL ACE SUBMITTAL			
CHECKED BY	NM								
IN CHARGE	RL								
DATE	4/7/2023								

DESIGNED BY  
CB

DRAWN BY  
RM

CHECKED BY  
NM

IN CHARGE  
RL

DATE  
4/7/2023

**M Metro**

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

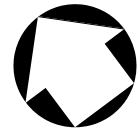
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT OPTION 1 PLAN & PROFILE**

STA 1389+50 TO STA 1399+50

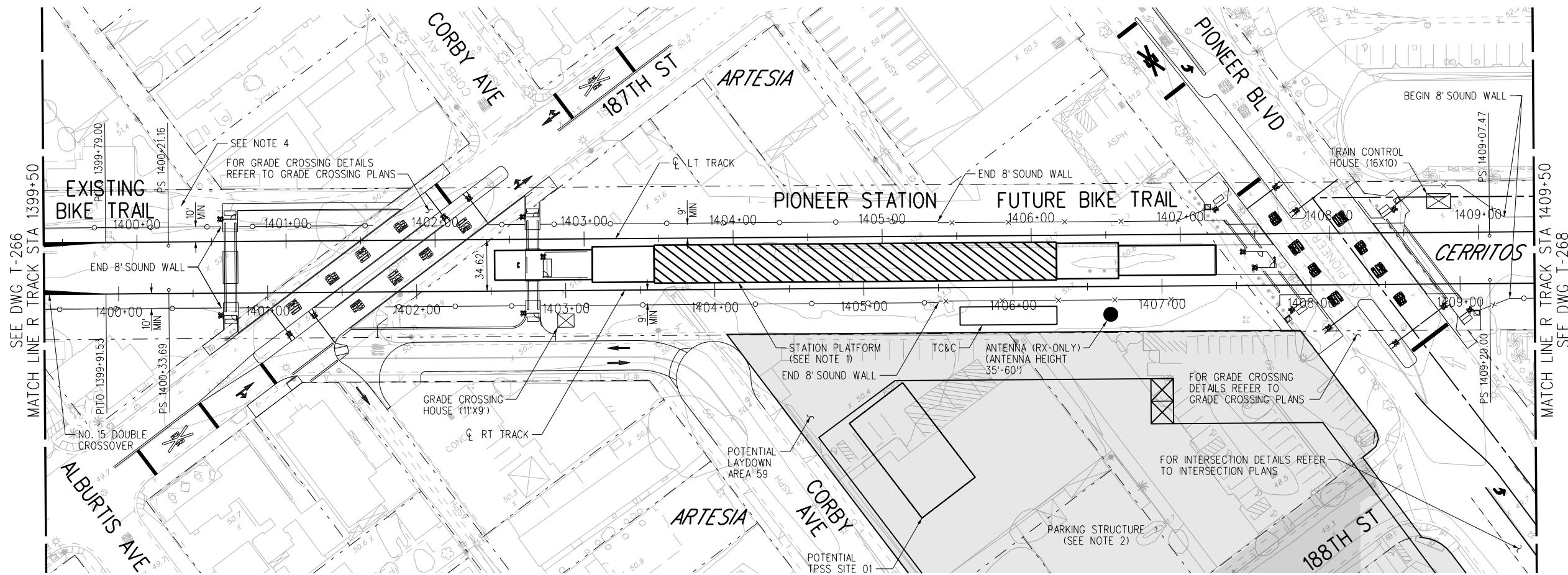
CONTRACT NO.	AE5999300
DRAWING NO.	T-266
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	86 OF 107



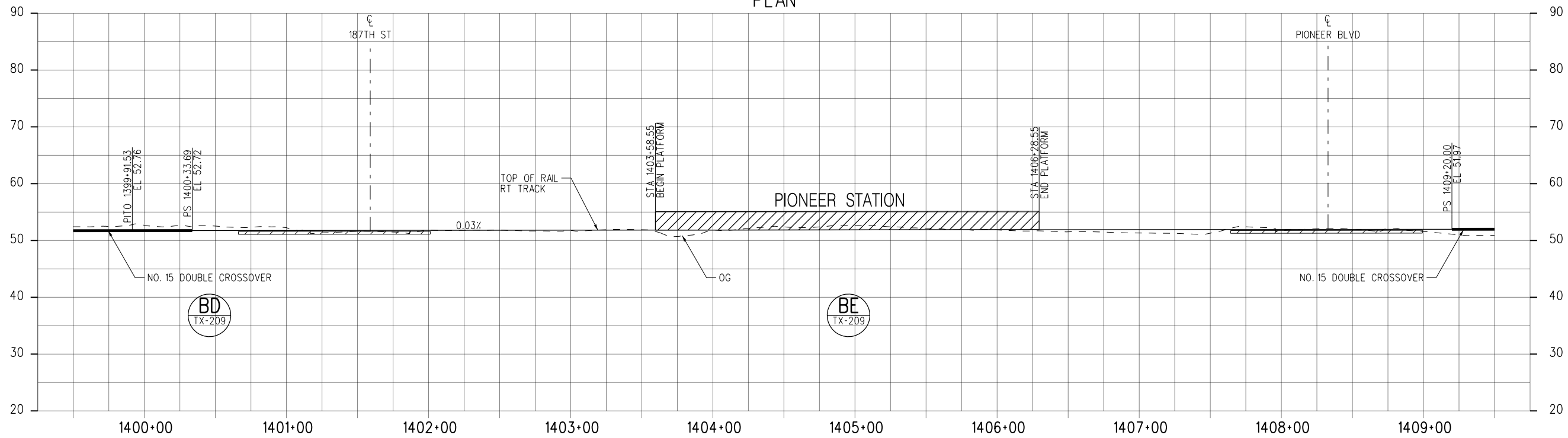


**NOTES:**

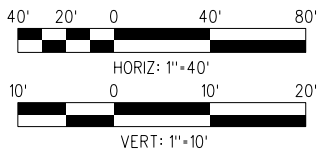
1. FOR STATION LAYOUT SEE STATION SITE PLANS, SHEET A16-001.
2. SEE STATION PLANS FOR PARKING STRUCTURE DETAILS.
3. SOUNDWALLS HEIGHTS REDUCE TO 3'7" WITH TRANSPARENT 4'5" TOP PANEL 150' FROM GRADE CROSSINGS.
4. POTENTIAL MODIFICATIONS TO ACCOMMODATE PROJECT FEATURES; TO BE DISCUSSED AS DESIGN ADVANCES (LIMITED SEGMENTS).



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**



515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

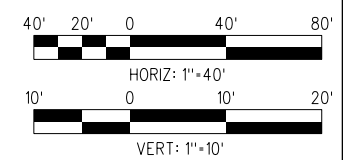
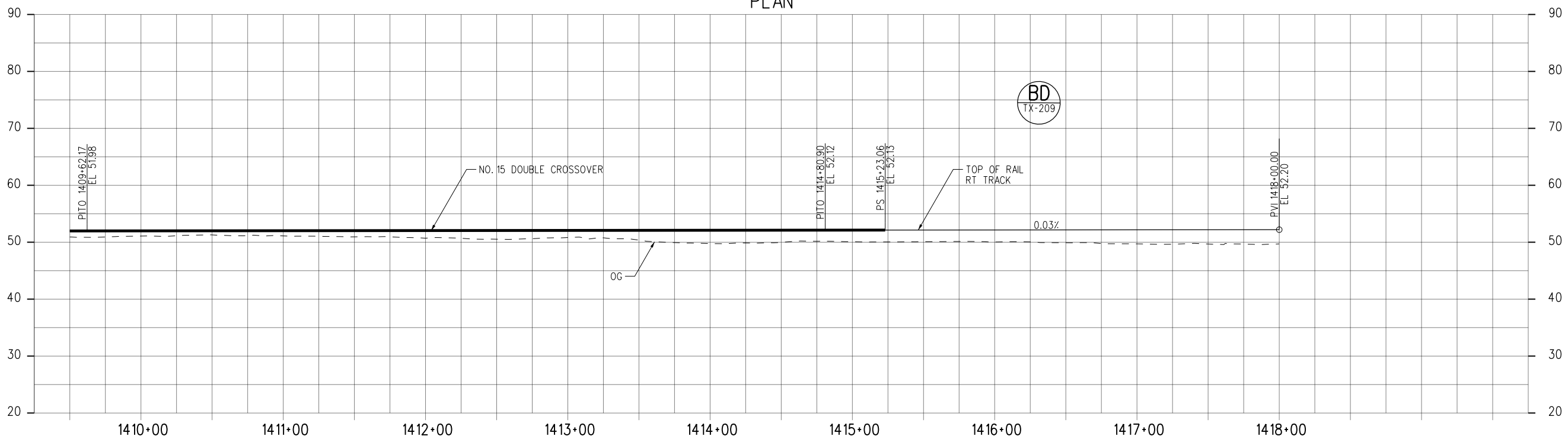
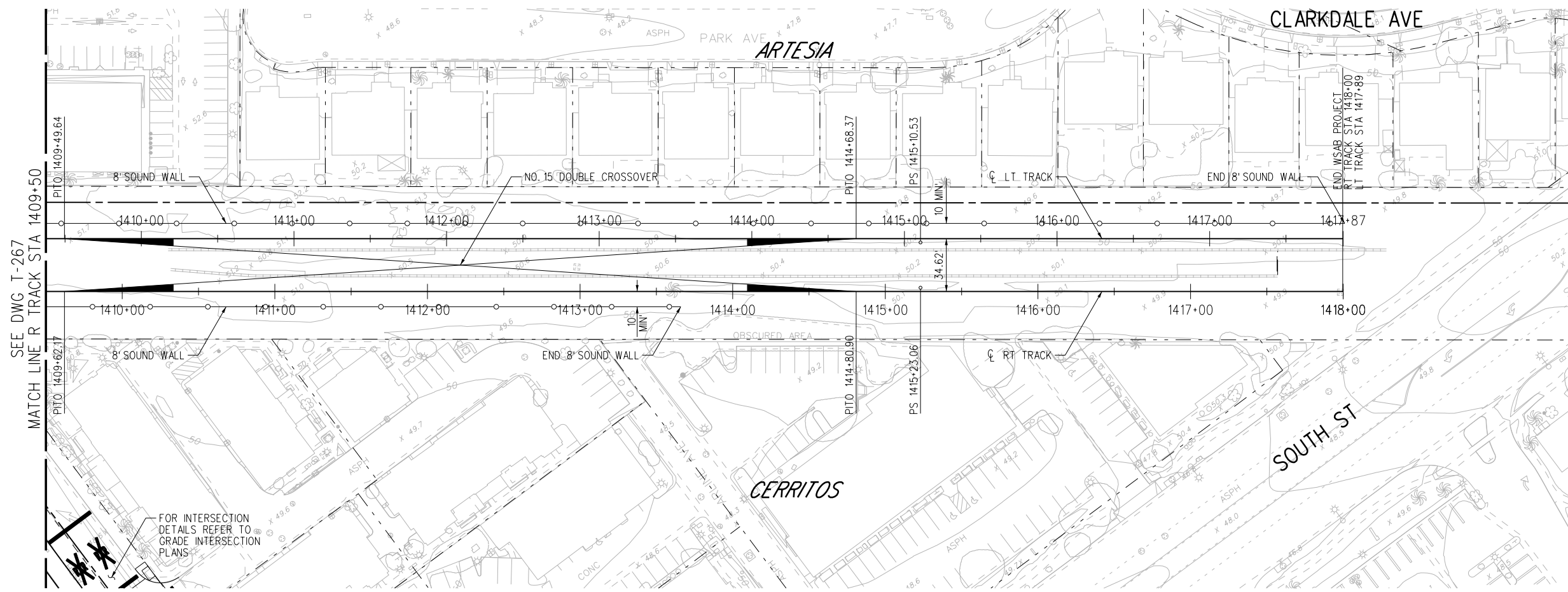
SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT OPTION 1 PLAN & PROFILE**  
STA 1399+50 TO STA 1409+50

CONTRACT NO	AE5999300
DRAWING NO	T-267
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO	87 OF 107

14-FEB-2024 E-28091AT267.plg

wspw14\_pw-svc 17:41



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT268.plg

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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	4/7/2023	REVISED FINAL ACE SUBMITTAL	DESCRIPTION	4/7/2023
DRAWN BY	RM	BY		REG NO.	EXPIRES	SEAL HOLDER
CHECKED BY	NM	APP				
IN CHARGE	RL					
DATE	4/7/2023					
REV	3	DATE	4/7/2023	APP	REG NO.	EXPIRES
		BY				

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

**M Metro**  
 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

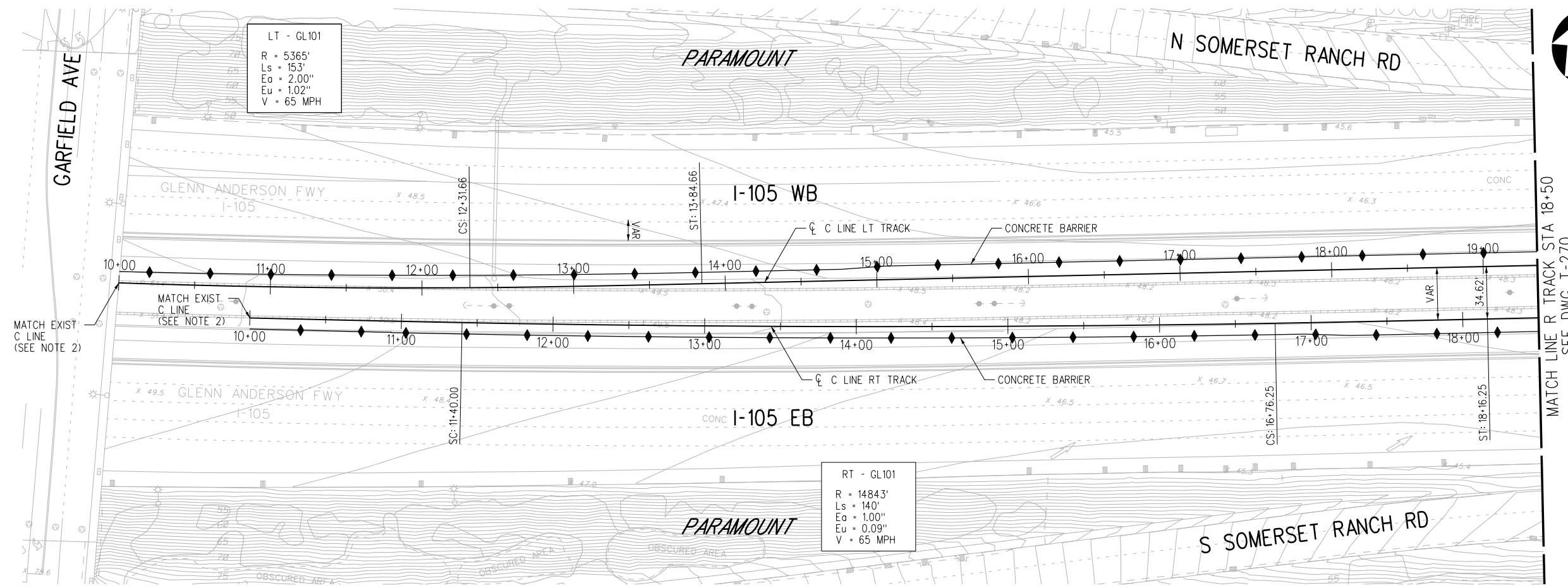
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
 TRACK ALIGNMENT  
 OPTION 1  
 PLAN & PROFILE  
 STA 1409+50 TO STA 1418+00**

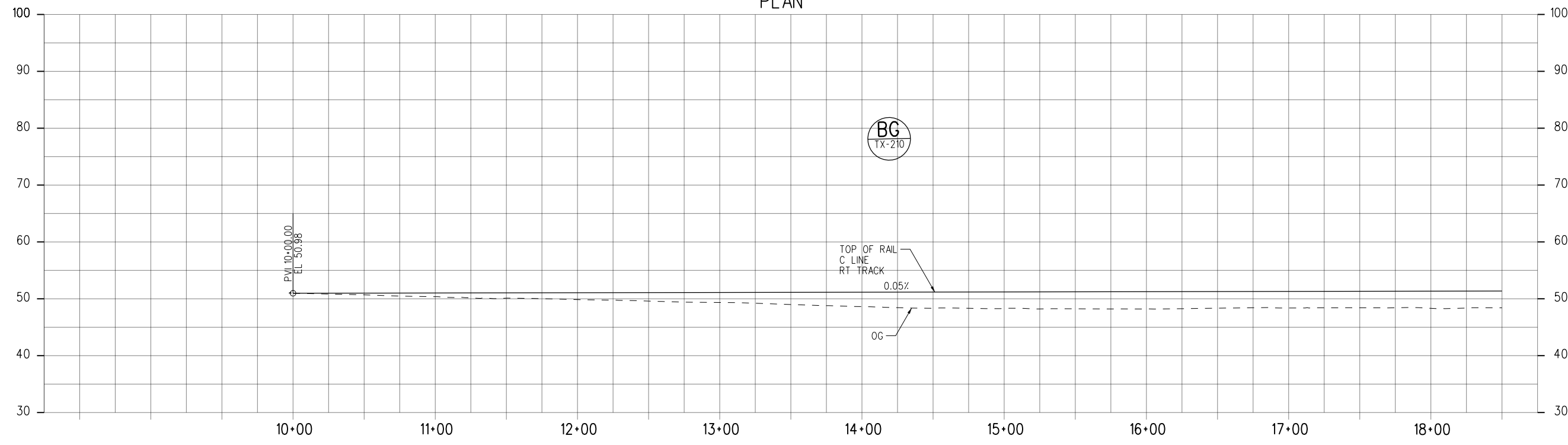
CONTRACT NO.	AE5999300
DRAWING NO.	T-268
SCALE	HOR: 1"=40' VERT: 1"=10'
SHEET NO.	88 OF 107



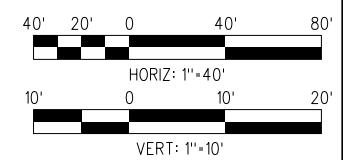
- NOTES:**
- DESIGN COORDINATION ONGOING WITH I-105 EXPRESS LANES PROJECT.
  - EXACT TIE-IN POINT FOR C LINE TO BE DETERMINED AT LATER DESIGN PHASE.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT269.plg

REVISED FINAL ACE SUBMITTAL - 12/7/2023

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
4	12/7/2023					
						REVISOR
						DESCRIPTION
						REVISOR
						DESCRIPTION

DESIGNED BY	CB
DRAWN BY	RM
CHECKED BY	NM
IN CHARGE	RL
DATE	12/7/2023

**Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

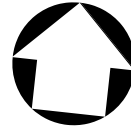
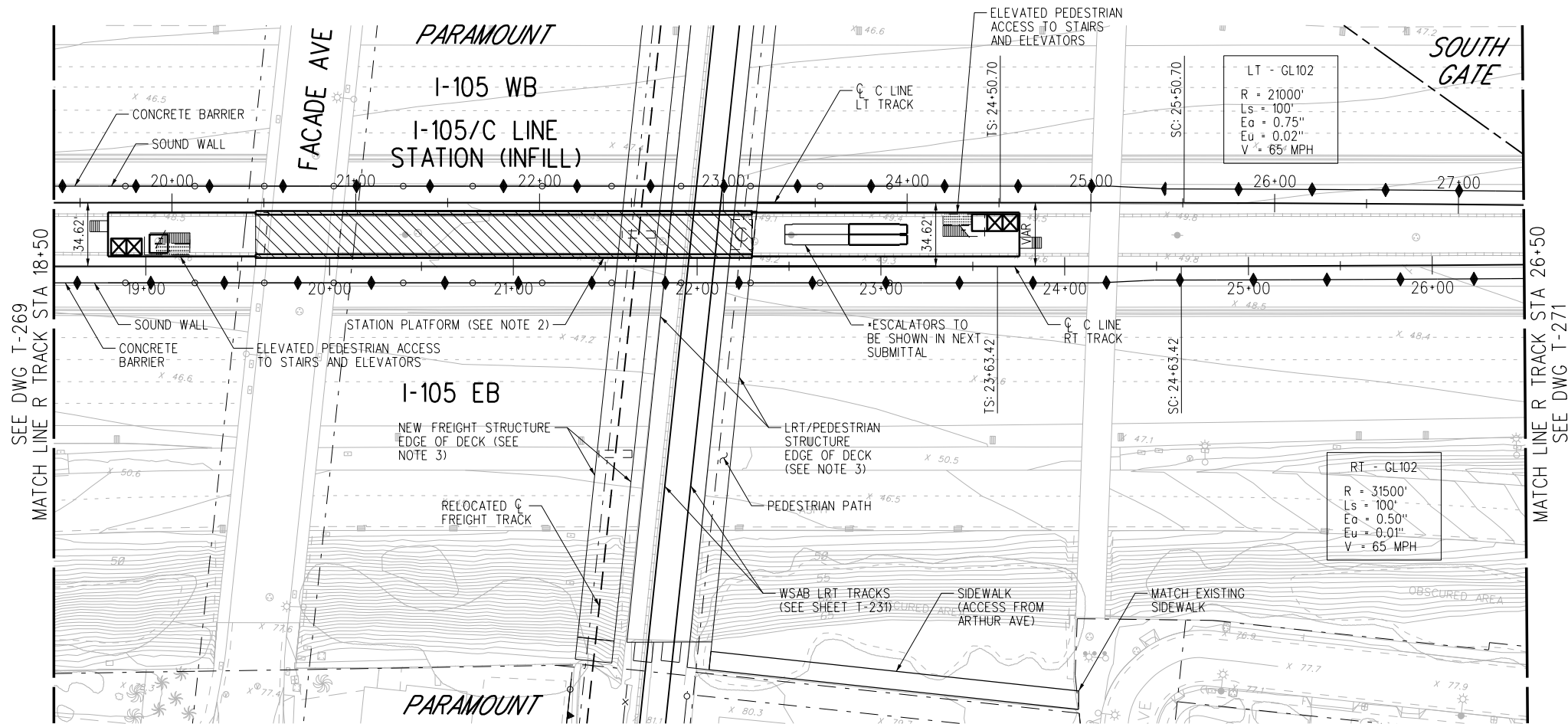
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT C LINE PLAN & PROFILE**

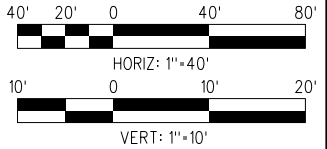
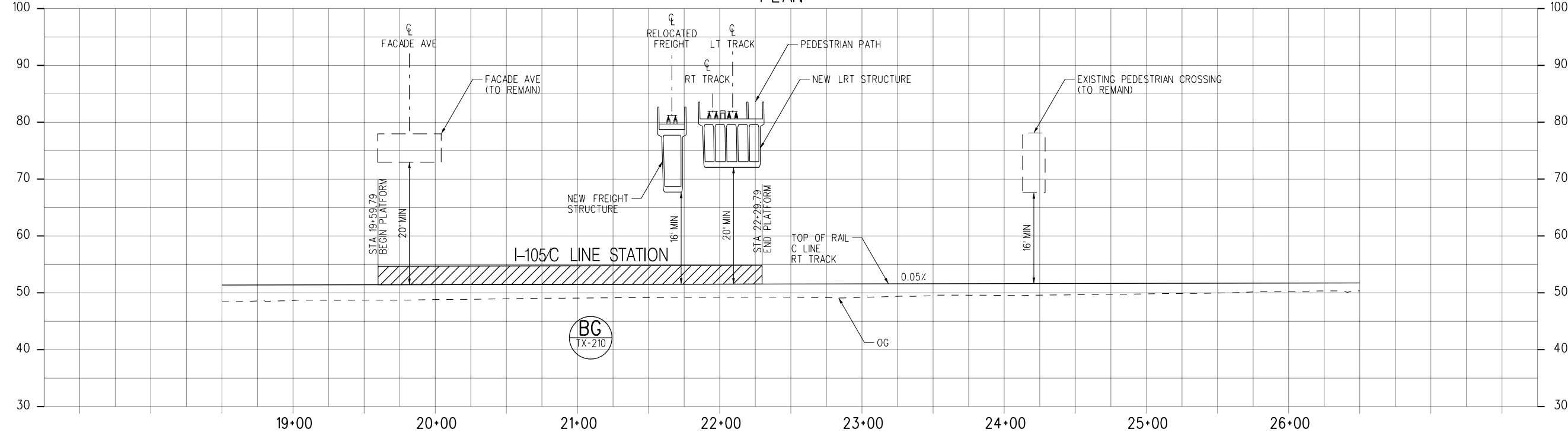
STA 10+00 TO STA 18+50

CONTRACT NO.	AE5999300
DRAWING NO.	T-269
SCALE	HOR: 1"=40' VERT: 1"=10'
SHEET NO.	89 OF 107



- NOTES:**
- DESIGN COORDINATION ONGOING WITH I-105 EXPRESS LANES PROJECT.
  - FOR STATION LAYOUT SEE STATION SITE PLANS, SHEET A13-001.
  - BRIDGE TO INCLUDE ARCHITECTURAL TREATMENT CONSISTENT WITH EXISTING BRIDGES IN THE VICINITY.

PLAN



PROFILE

**NOT FOR CONSTRUCTION**

REVISED FINAL ACE SUBMITTAL - 12/7/2023

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 12/7/2023	DESCRIPTION REVISED FINAL ACE SUBMITTAL
4	DRAWN BY RM	BY	SEAL HOLDER
REG NO.	CHECKED BY NM	APP	EXPIRES
EXPIRES	IN CHARGE RL	REG NO.	EXPIRES
DATE 12/7/2023	DATE	SEAL HOLDER	EXPIRES

DESIGNED BY CB	DATE 12/7/2023
DRAWN BY RM	
CHECKED BY NM	
IN CHARGE RL	
DATE 12/7/2023	

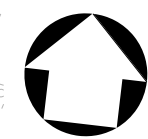
**M Metro**  
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

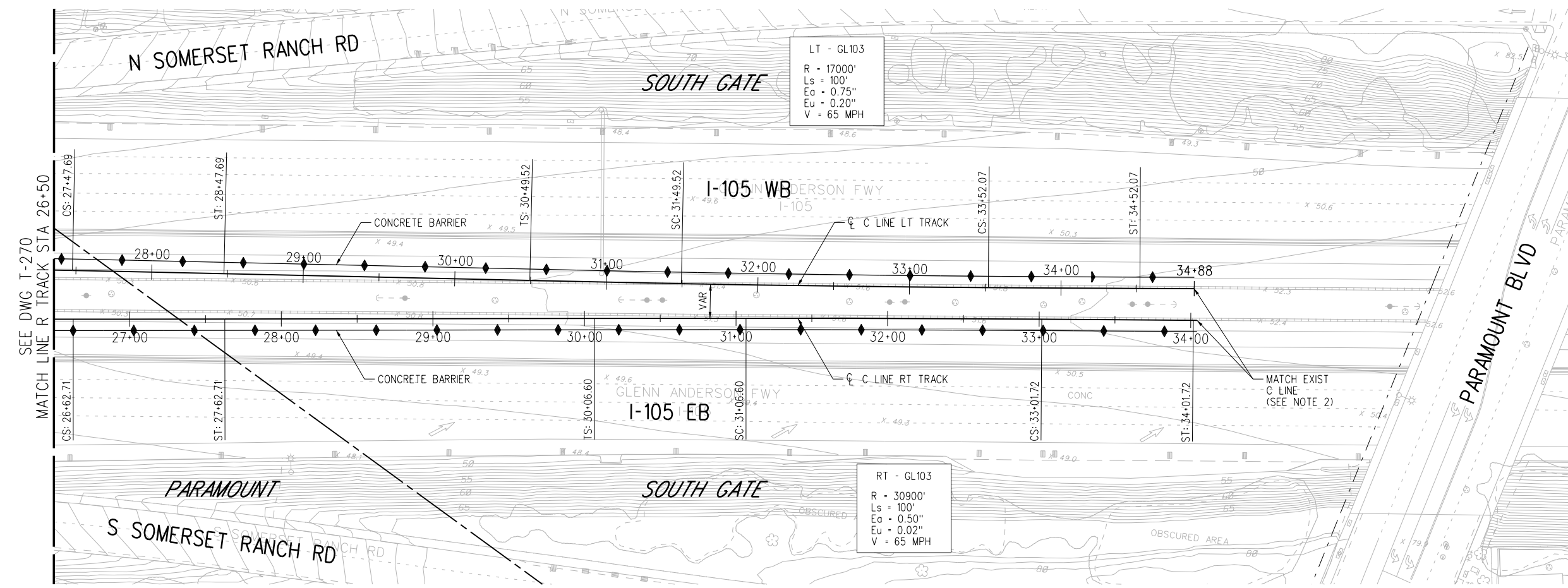
SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

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

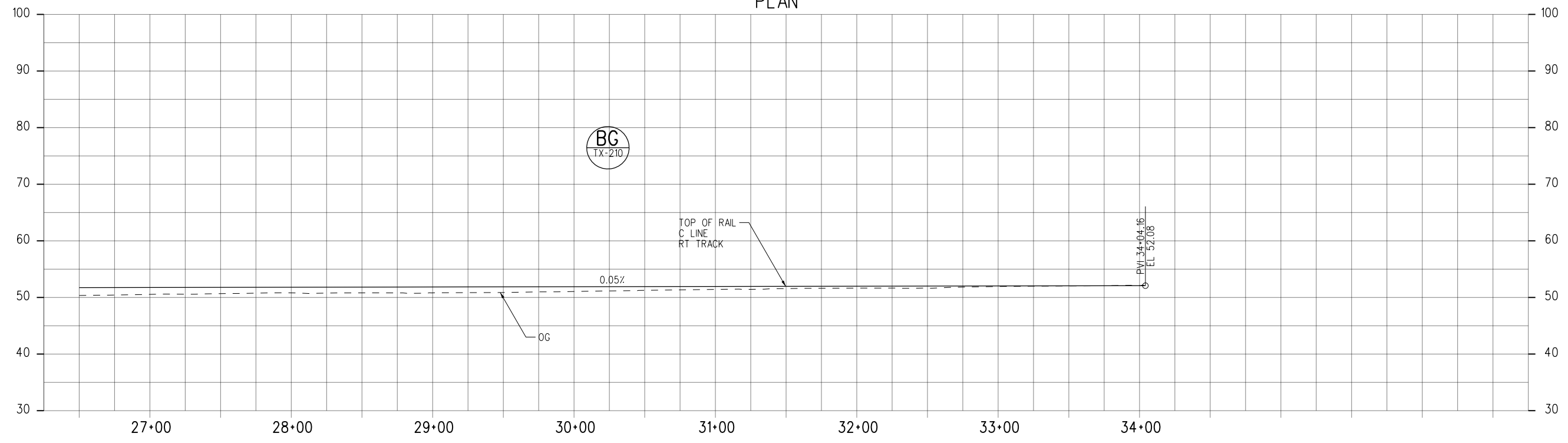
CONTRACT NO AE5999300	REV
DRAWING NO T-270	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO 90 OF 107	



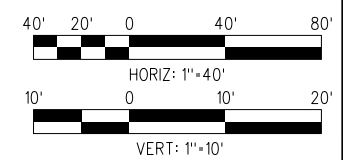
- NOTES:**
- DESIGN COORDINATION ONGOING WITH I-105 EXPRESS LANES PROJECT.
  - EXACT TIE-IN POINT FOR C LINE TO BE DETERMINED AT LATER DESIGN PHASE.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT271.plg  
wspw14-pw-svc 02:26

REVISED FINAL ACE SUBMITTAL - 4/7/2023

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY RM
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

**M Metro**

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

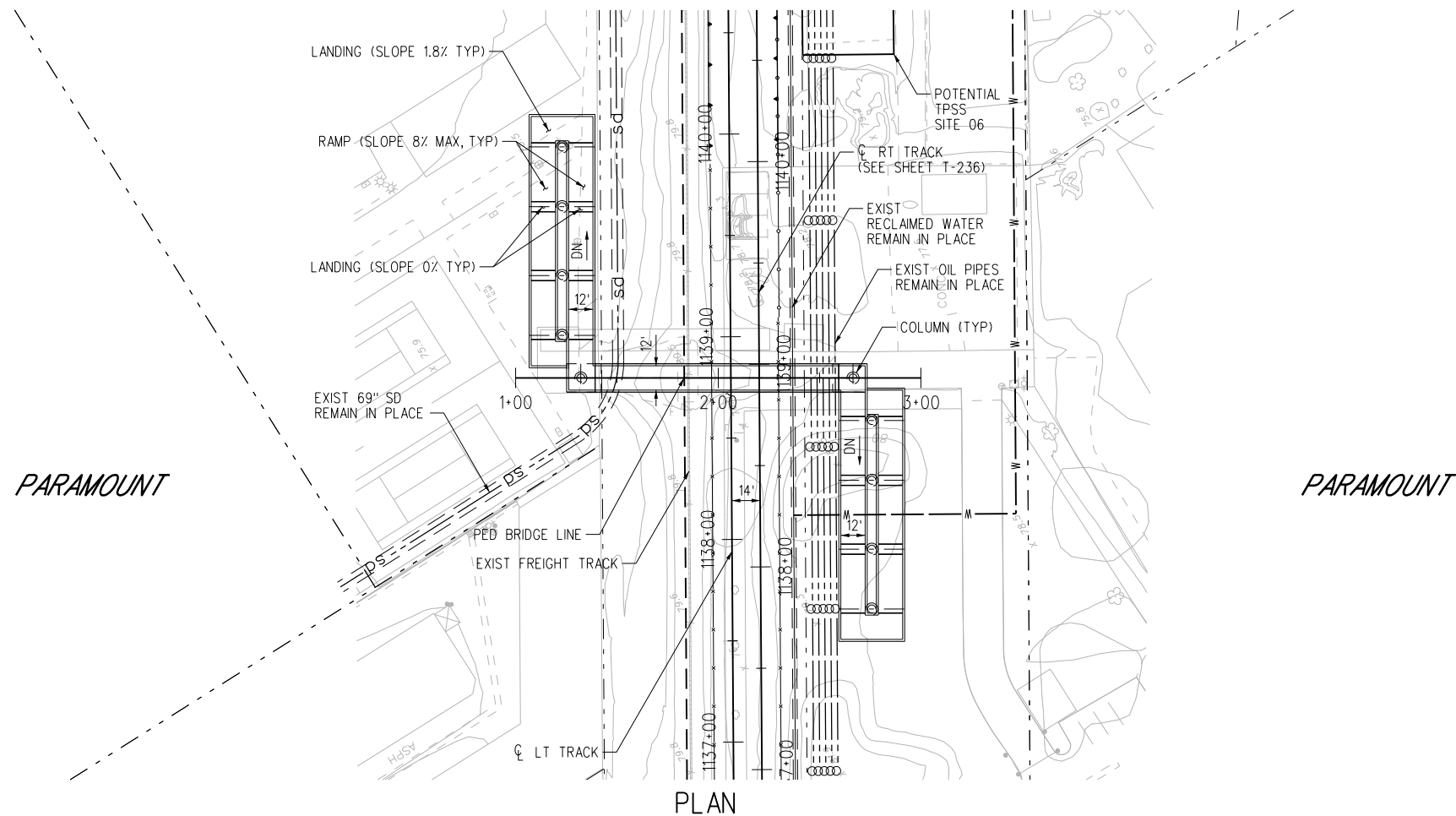
**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

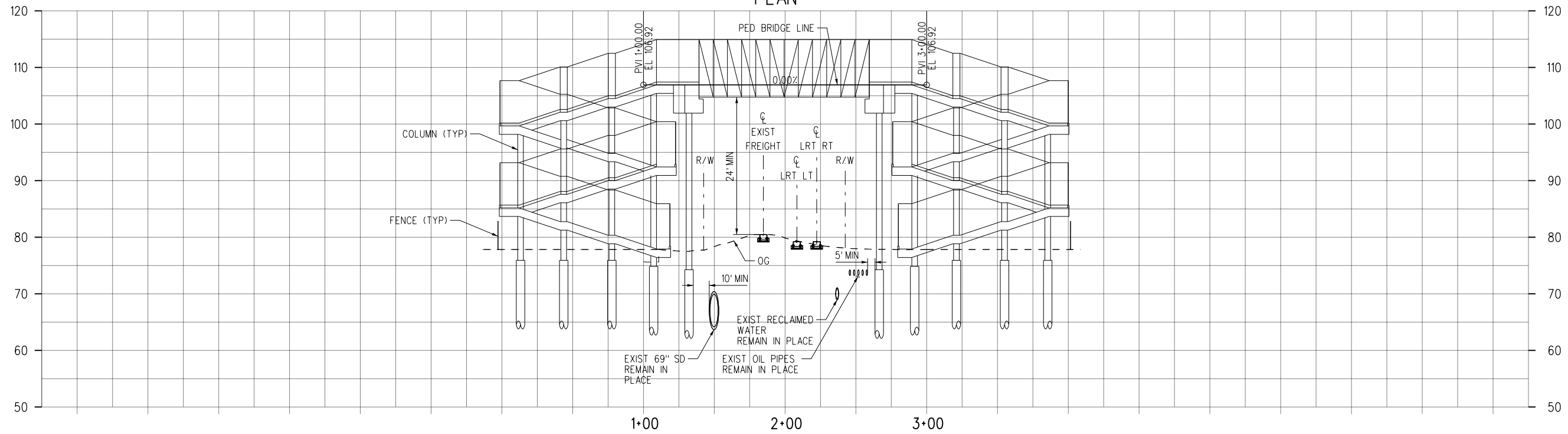
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TRACK ALIGNMENT**  
**C LINE**  
**PLAN & PROFILE**  
**STA 26+50 TO STA 34+04**

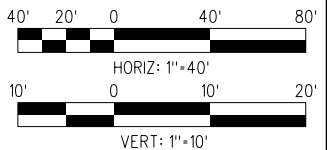
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>T-271</b>	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 91 OF 107	



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091AT272.plg  
wsppw14-pw-svc 02:27

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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	
		DRAWN BY RM	
		CHECKED BY NM	
		IN CHARGE RL	
		DATE 4/7/2023	
3	4/7/2023		REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	DESCRIPTION

REG NO.	EXPIRES	SEAL HOLDER

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

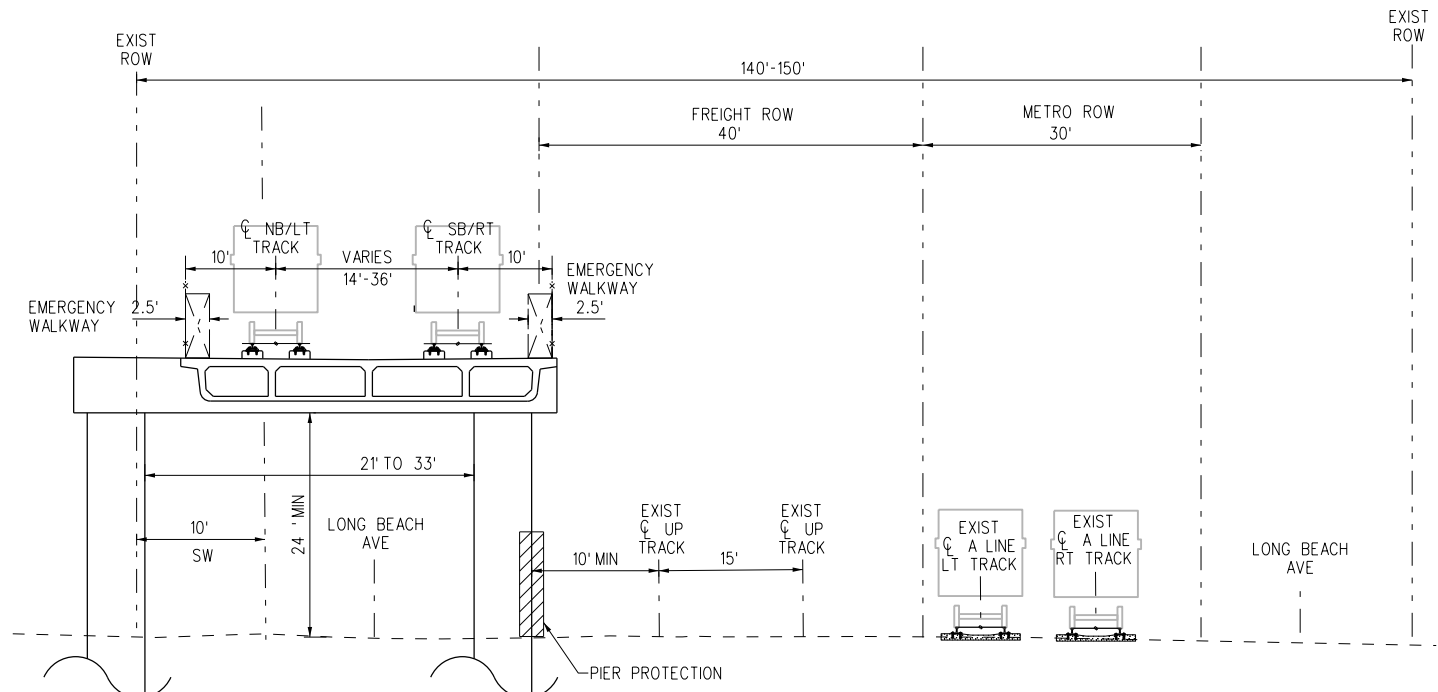
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT PEDESTRIAN TUNNEL PARAMOUNT PLAN & PROFILE STA 1+00 TO STA 3+00**

CONTRACT NO.	AE5999300
DRAWING NO.	T-272
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	92 OF 107

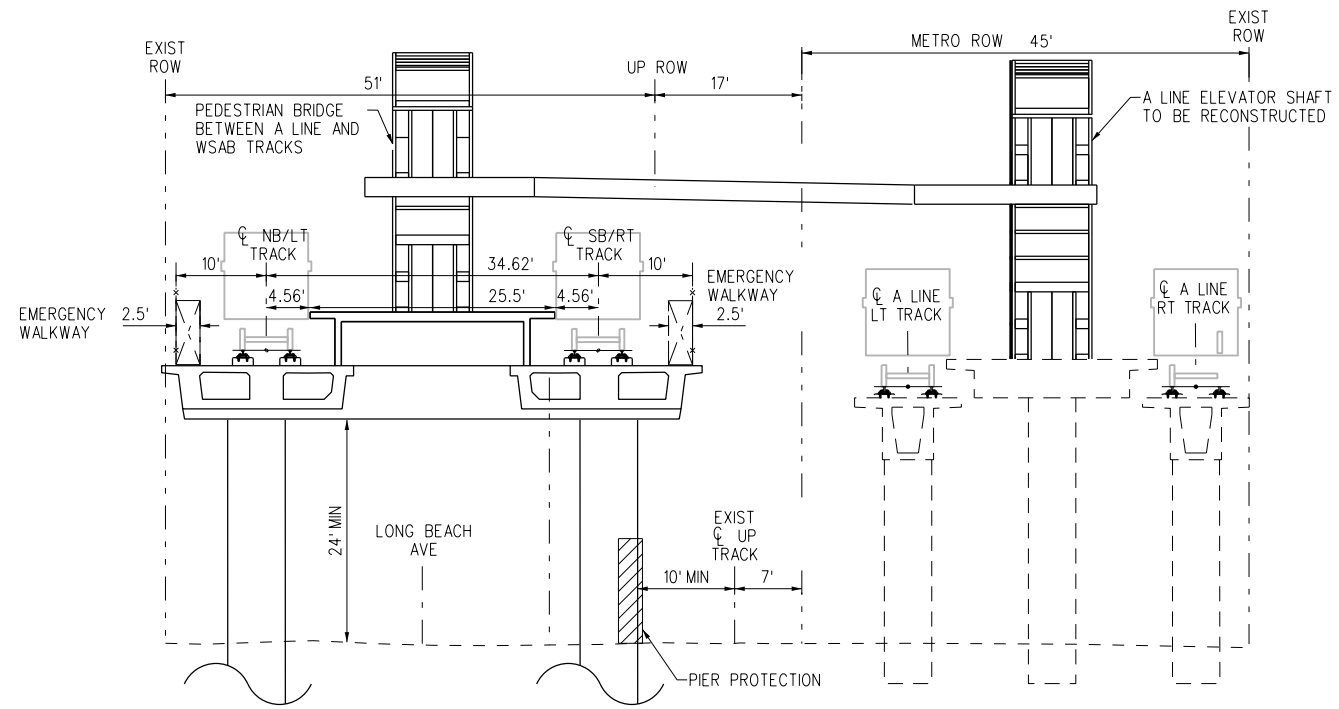
15-DEC-2023 E-28091ATX101.plg  
wsppw14-pw-svc 02:23



**CROSS SECTION N OF SLAUSON/A LINE STATION**

SCALE: NTS  
 \* TO BE UPDATED WITH SLAUSON/A LINE STATION PLANS

**A**  
T-102



**CROSS SECTION AT SLAUSON/A LINE STATION PLATFORM**


SCALE: NTS  
 \* TO BE UPDATED WITH SLAUSON/A LINE STATION PLANS

**B**  
T-102

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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.						
3	4/7/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY JS
DRAWN BY SM
CHECKED BY HX
IN CHARGE RL
DATE 4/7/2023



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

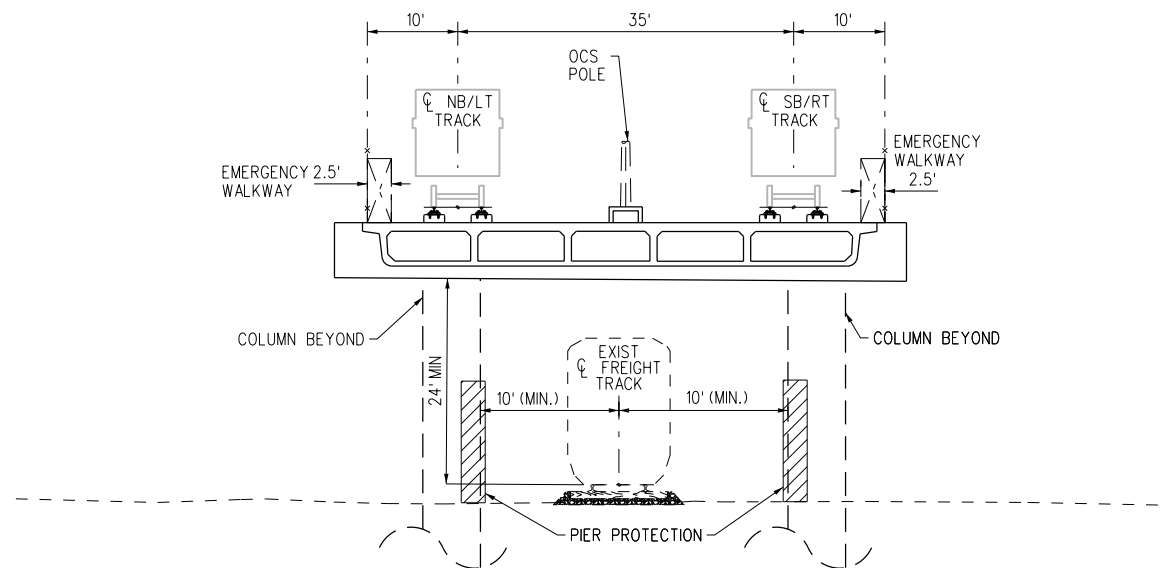
**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
TYPICAL SECTIONS  
LOCALLY PREFERRED ALTERNATIVE**

CONTRACT NO. <b>AE5999300</b>
DRAWING NO. <b>TX-101</b>
SCALE <b>NO SCALE</b>
SHEET NO. <b>93 OF 107</b>



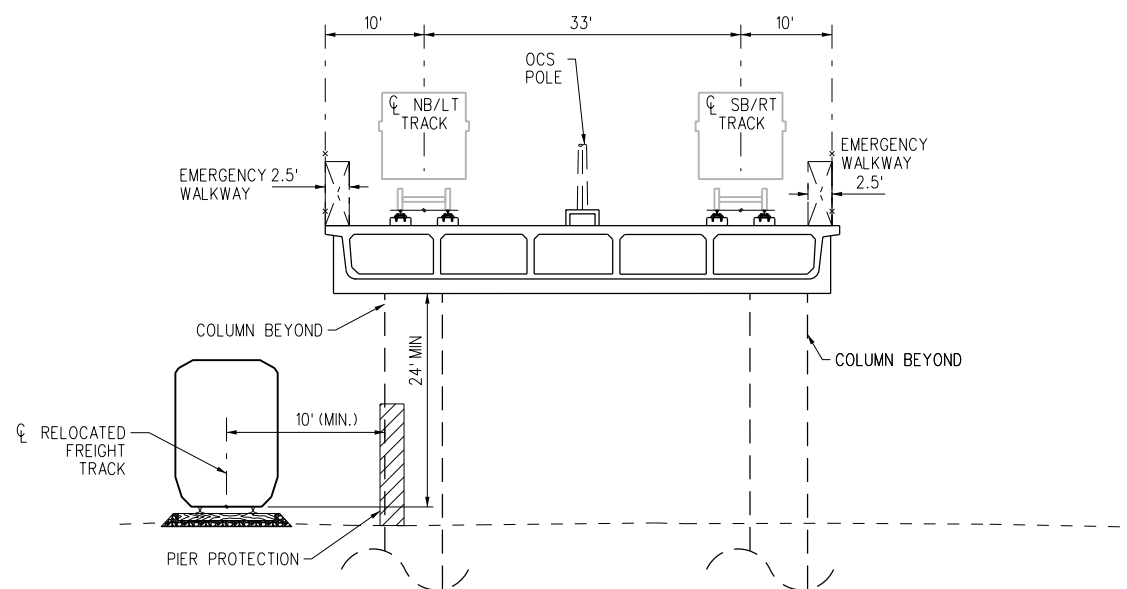
15-DEC-2023 E-28091ATX102.plg  
 wsdpw14\_pw-svc 02:23



**CONFIGURATION SOUTH OF SLAUSON AVENUE**

SCALE: NTS

**C**  
T-103



**AERIAL STRUCTURE**

SCALE: NTS

**D**  
T-103

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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	DESCRIPTION
3	4/7/2023					REVISED FINAL ACE SUBMITTAL

DESIGNED BY JS
DRAWN BY SM
CHECKED BY HX
IN CHARGE RL
DATE 4/7/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

WEST SANTA ANA BRANCH LRT  
 TYPICAL SECTIONS  
 LOCALLY PREFERRED ALTERNATIVE

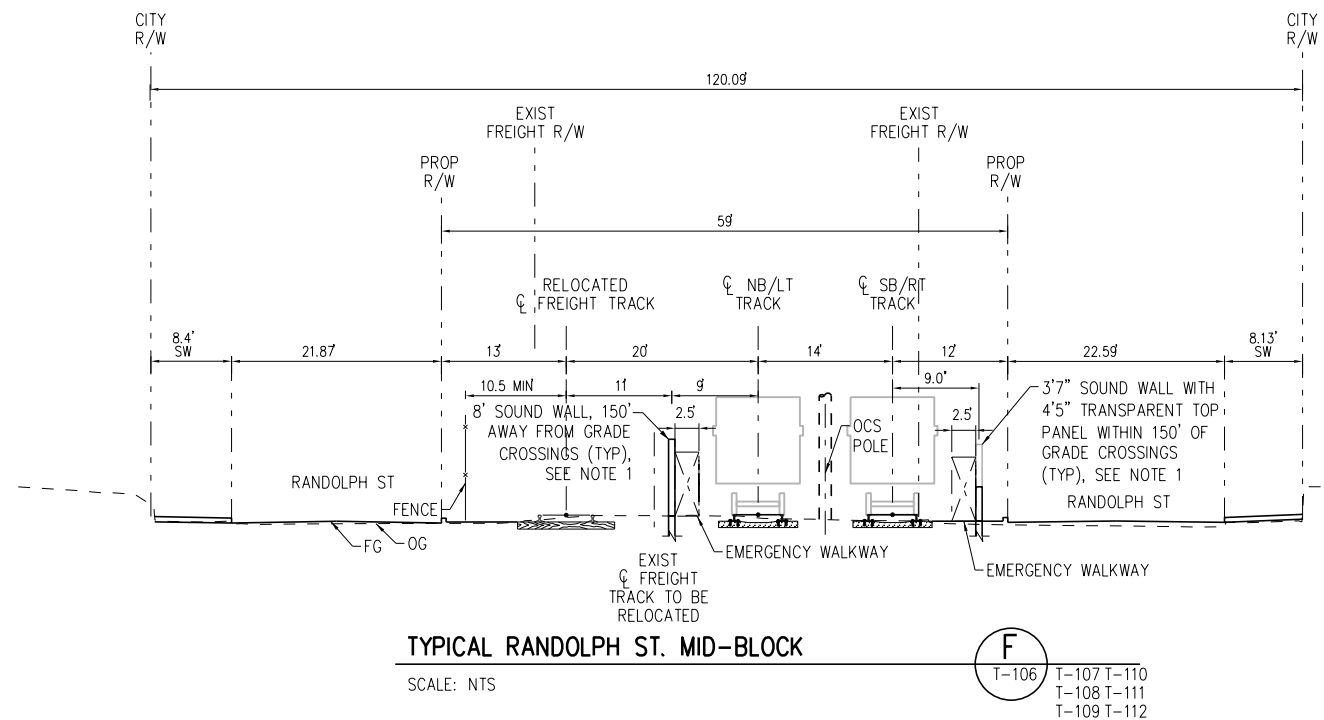
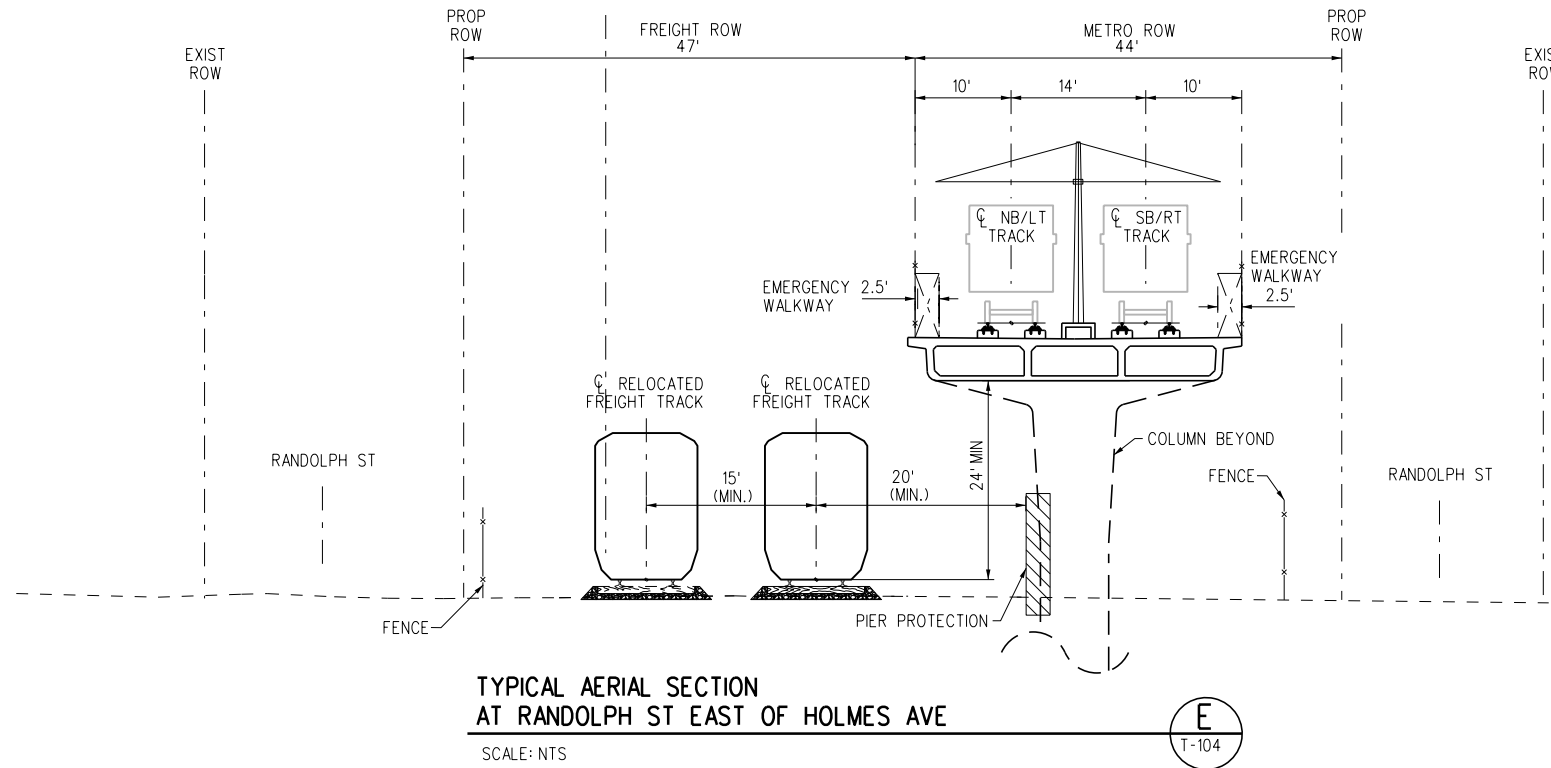
CONTRACT NO. AE5999300

DRAWING NO. TX-102

SCALE NO SCALE

SHEET NO. 94 OF 107

**NOTE:**  
 1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATX103.plg  
wsppw14-pw-svc 02:23

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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	JS	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	DATE
DRAWN BY	SM				REVISED FINAL ACE SUBMITTAL	4/7/2023
CHECKED BY	HX					
IN CHARGE	RL					
REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER
3	4/7/2023					

DESIGNED BY	JS
DRAWN BY	SM
CHECKED BY	HX
IN CHARGE	RL
DATE	4/7/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

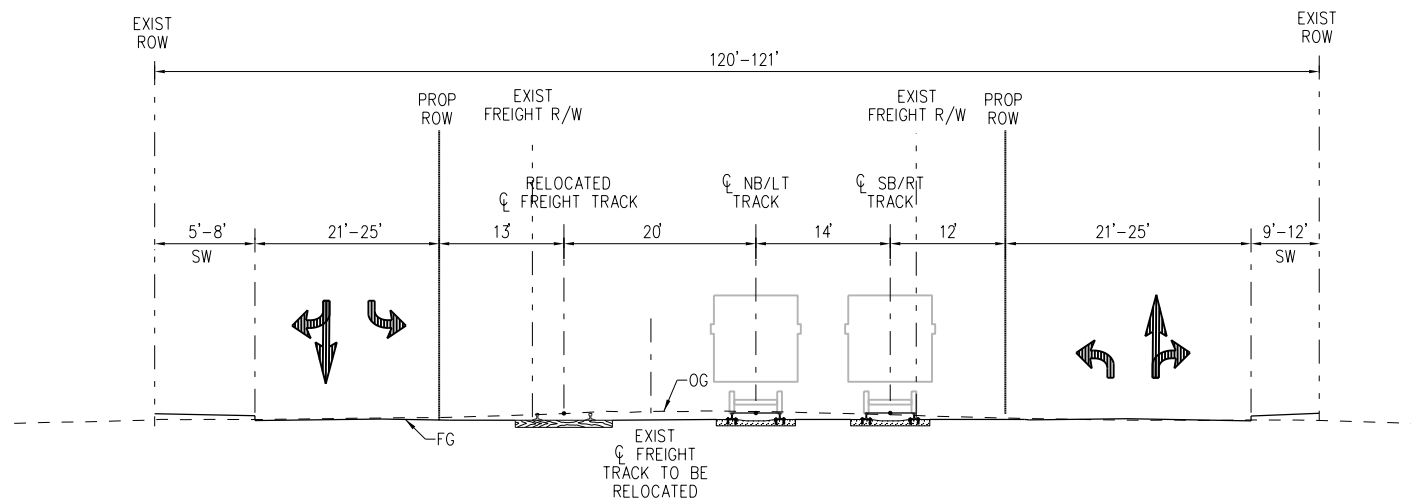
**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
 TYPICAL SECTIONS  
 LOCALLY PREFERRED ALTERNATIVE

CONTRACT NO	AE5999300
DRAWING NO	TX-103
SCALE	NO SCALE
SHEET NO	95 OF 107

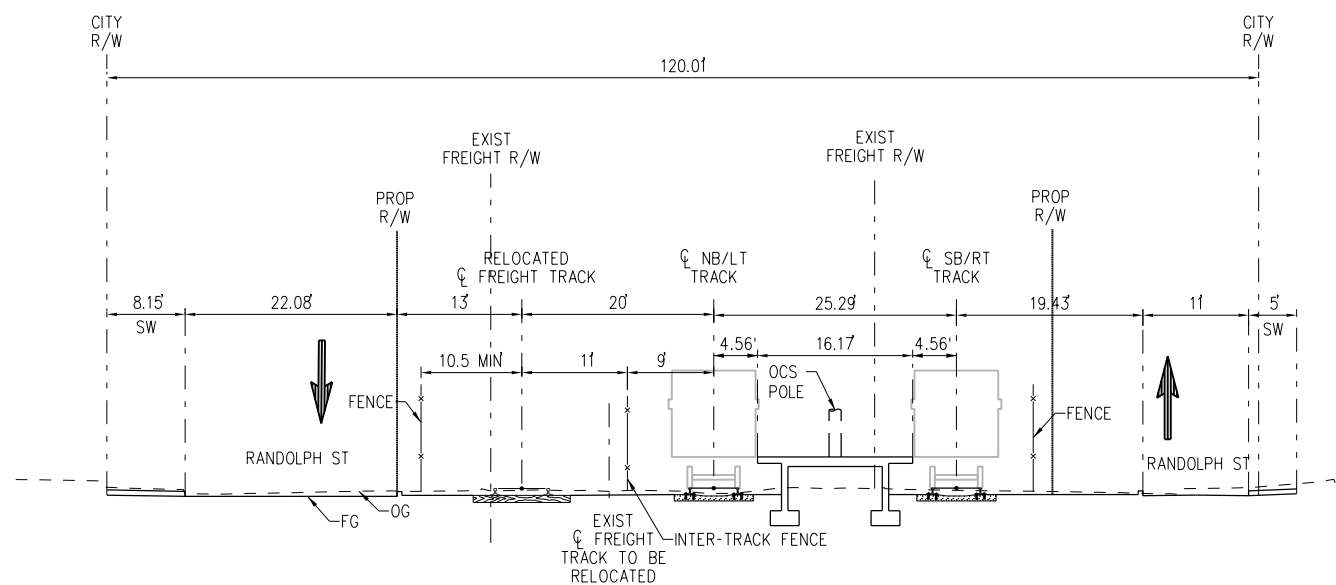


TYPICAL RANDOLPH ST. GRADE CROSSING

SCALE: NTS



T-107 T-108 T-111  
T-109 T-112  
T-110 T-113



PACIFIC/RANDOLPH STATION

SCALE: NTS



T-109

15-DEC-2023 E-28091ATX104.plt

wsppw14\_pw-svc 02:23

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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 JS							
	DRAWN BY SM							
	CHECKED BY HX							
	IN CHARGE RL							
	DATE 4/7/2023							
3	4/7/2023						REVISED FINAL ACE SUBMITTAL	
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

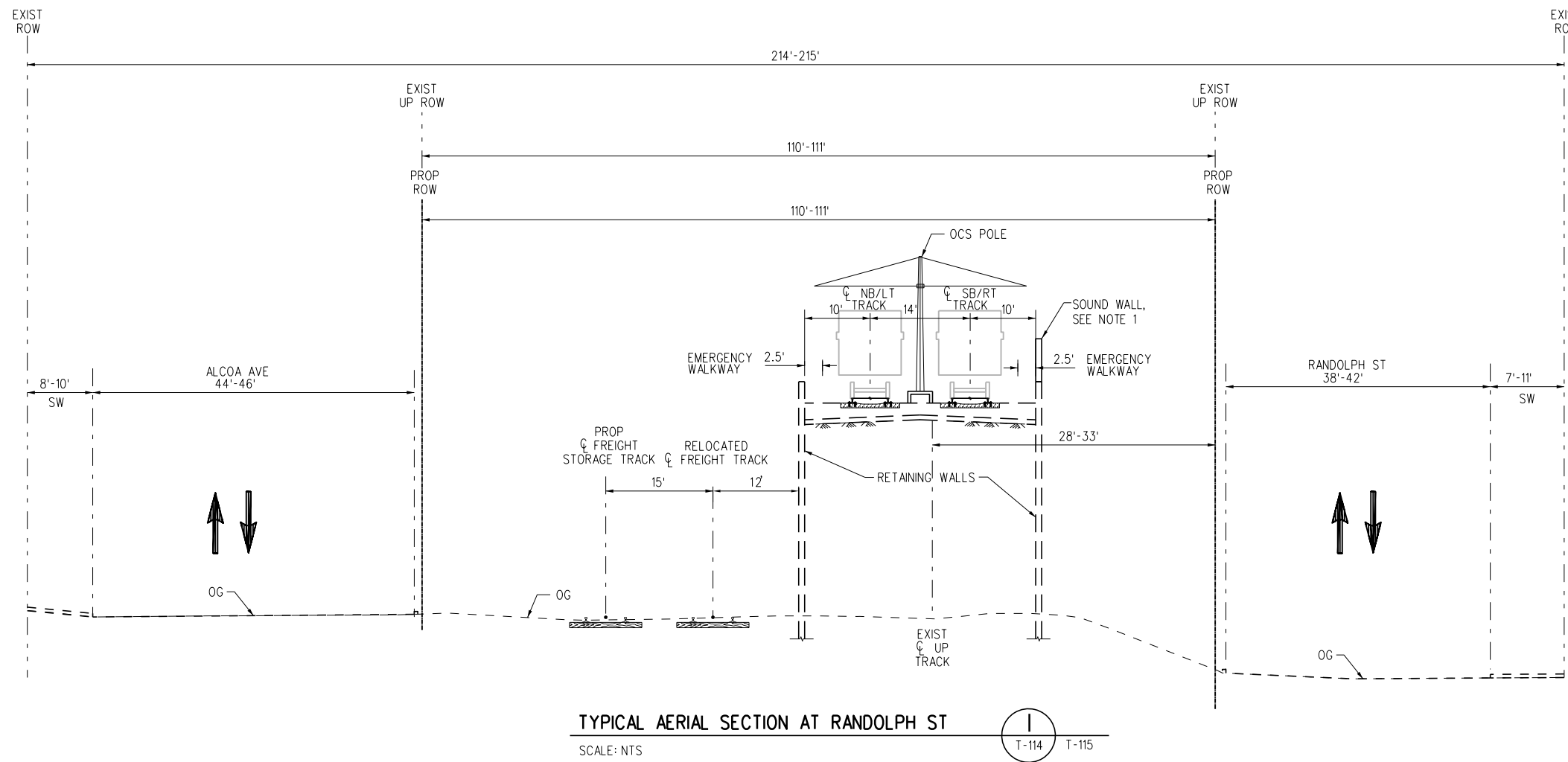
WEST SANTA ANA BRANCH LRT  
TYPICAL SECTIONS  
LOCALLY PREFERRED ALTERNATIVE

CONTRACT NO	AE5999300
DRAWING NO	TX-104
SCALE	NO SCALE
SHEET NO	96 OF 107

NOT FOR CONSTRUCTION

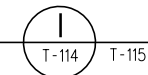
**NOTE:**

1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**TYPICAL AERIAL SECTION AT RANDOLPH ST**

SCALE: NTS



15-DEC-2023 E-28091ATX105.plg  
wsppw14-pw-svc 02:24

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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DESIGNED BY	JS	REG NO.		EXPIRES		DESCRIPTION
DRAWN BY	SM	SEAL HOLDER				REVISED FINAL ACE SUBMITTAL
CHECKED BY	HX					
IN CHARGE	RL					
DATE	4/7/2023					
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION
3	4/7/2023					REVISED FINAL ACE SUBMITTAL

DESIGNED BY	JS
DRAWN BY	SM
CHECKED BY	HX
IN CHARGE	RL
DATE	4/7/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

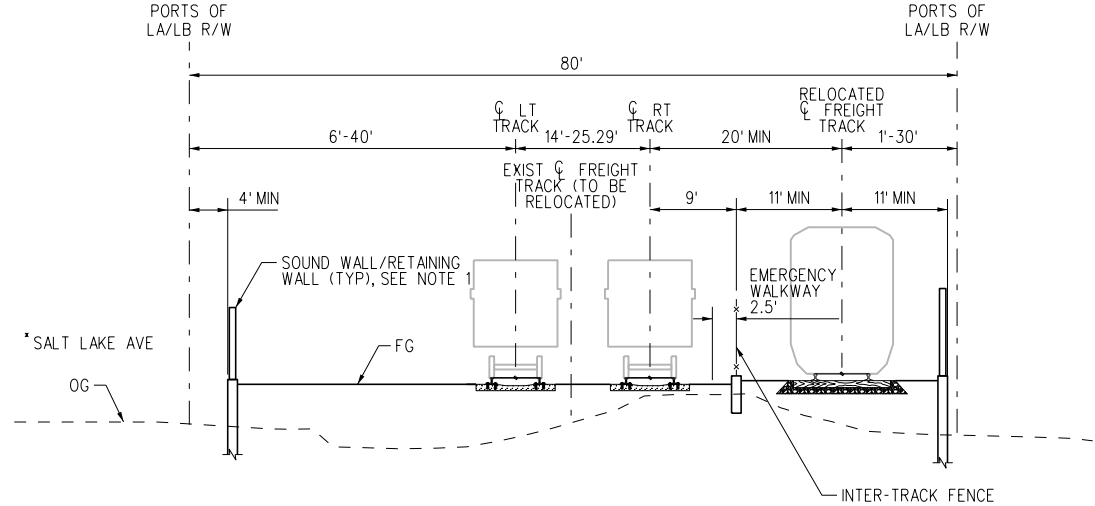
NOT FOR CONSTRUCTION

**WEST SANTA ANA BRANCH LRT**  
**TYPICAL SECTIONS**  
**LOCALLY PREFERRED ALTERNATIVE**

CONTRACT NO		AE5999300	
DRAWING NO	TX-105	REV	
SCALE	NO SCALE		
SHEET NO	97	OF	107

**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.

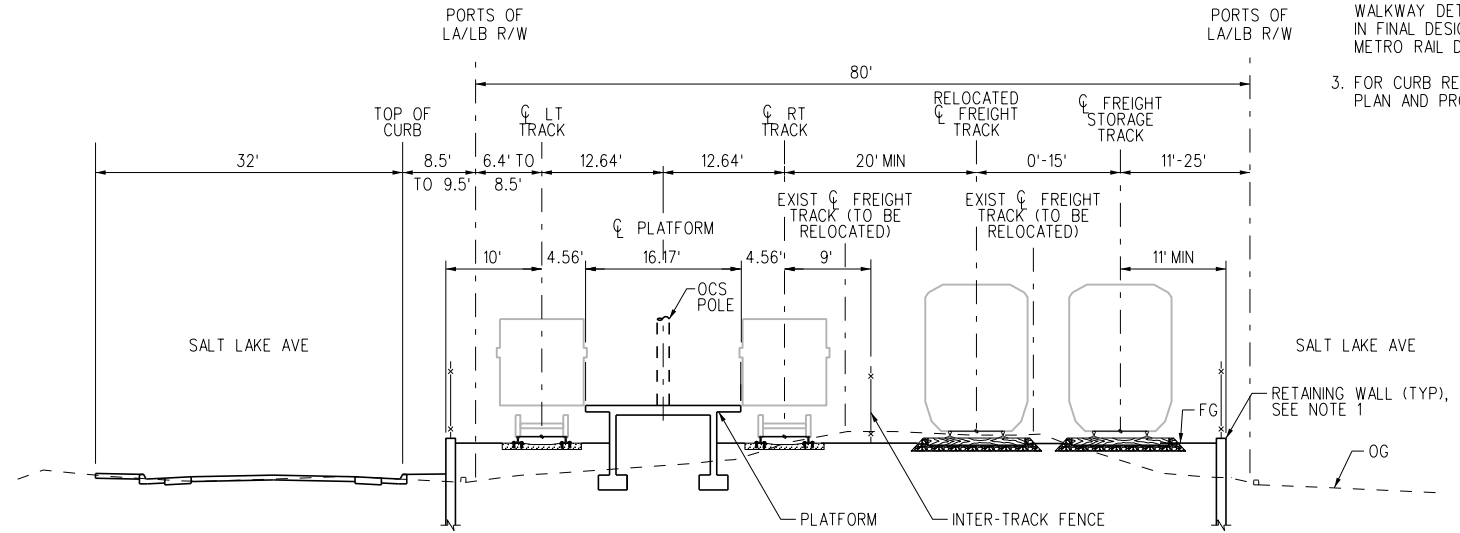


**TYPICAL WITH FREIGHT TRACK**

SCALE: NTS

**AA**  
T-201

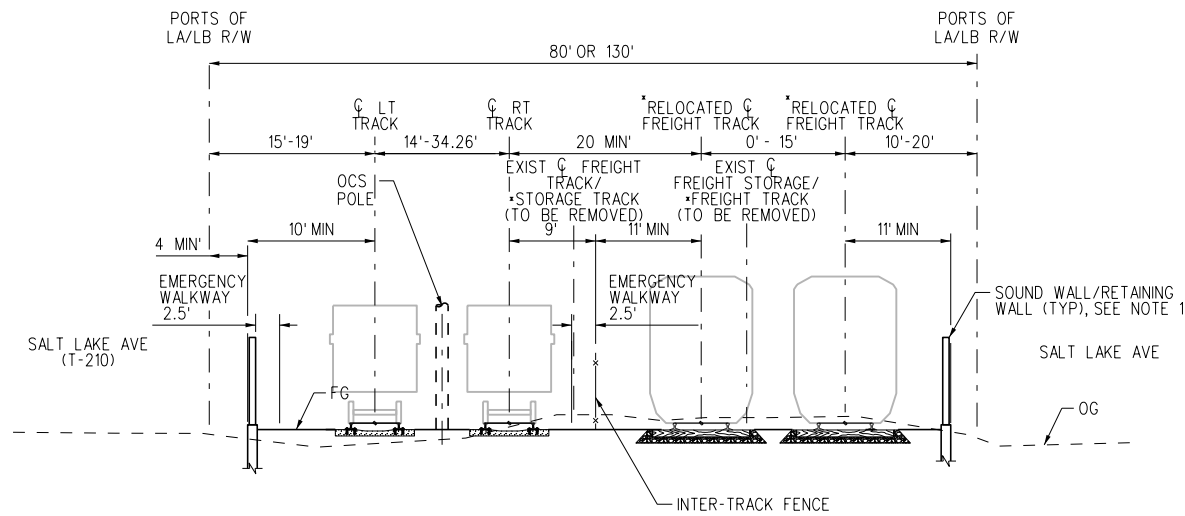
T-202 TO T-204  
T-208 TO T-212  
T-216 TO T-218  
T-225 TO T-230



**FLORENCE/SALT LAKE STATION**

SCALE: NTS

**AC**  
T-204



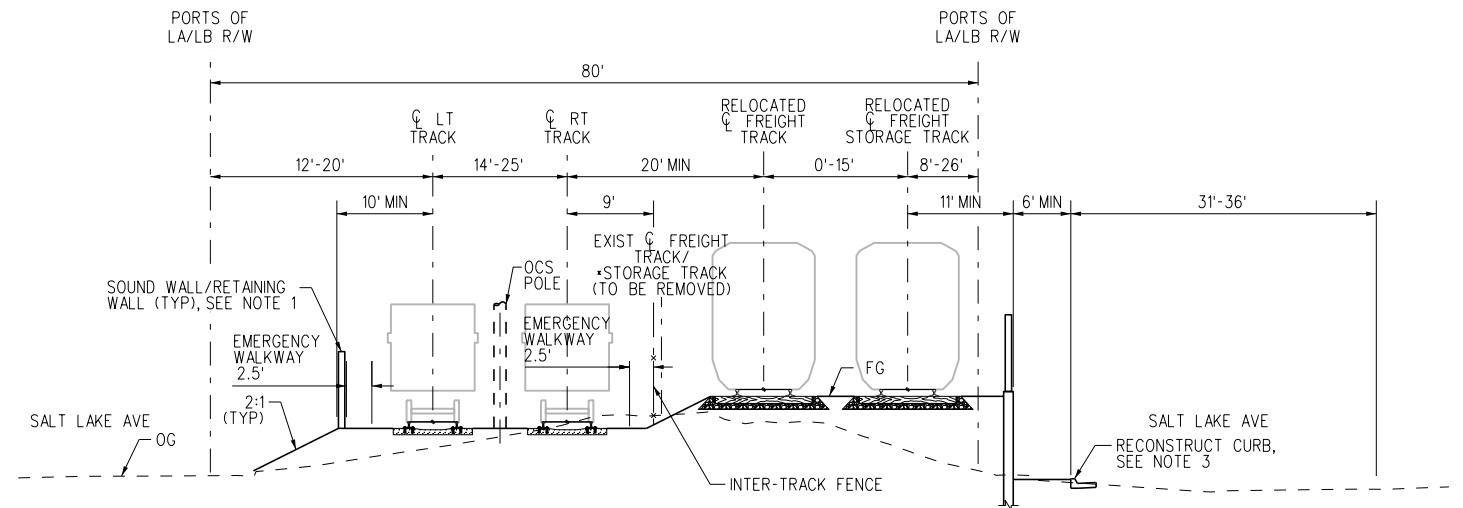
**TYPICAL WITH FREIGHT TRACK AND FREIGHT STORAGE TRACK**

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

15-DEC-2023 E-28091ATX201.plg

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

DESIGNED BY	CB						
DRAWN BY	CB						
CHECKED BY	NM						
IN CHARGE	RL						
DATE	4/7/2023						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

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--

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**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

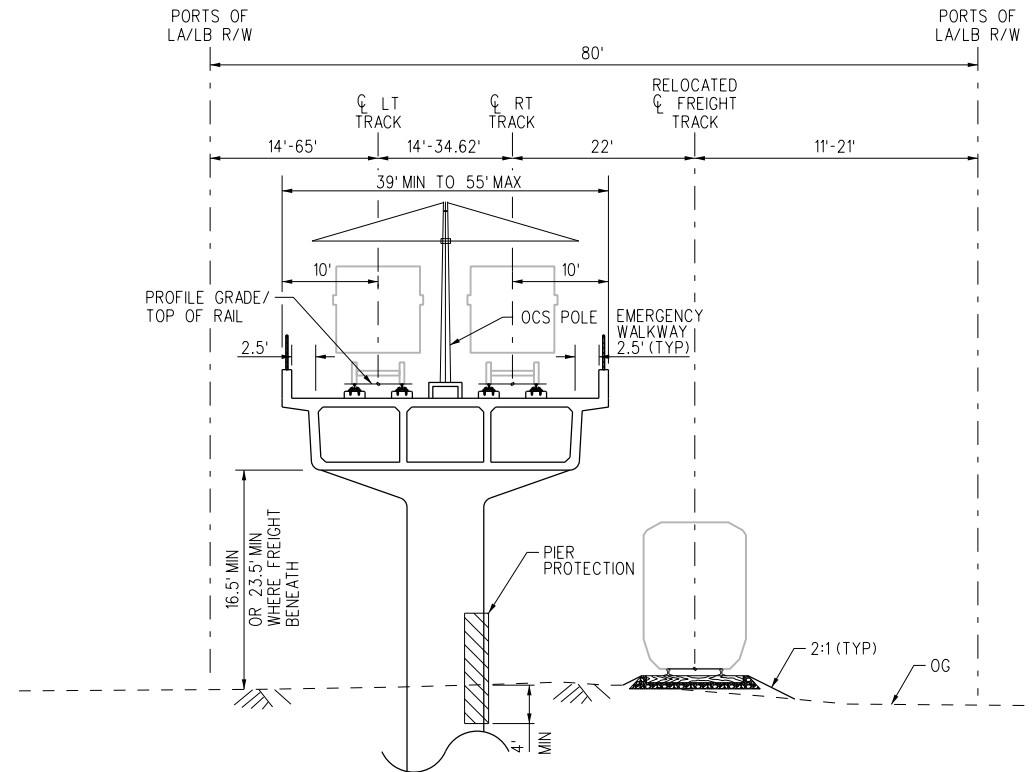
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT**  
TYPICAL SECTIONS  
LOCALLY PREFERRED ALTERNATIVE

CONTRACT NO.	AE5999300
DRAWING NO.	TX-201
SCALE	NO SCALE
SHEET NO.	98 OF 107

**NOT FOR CONSTRUCTION**

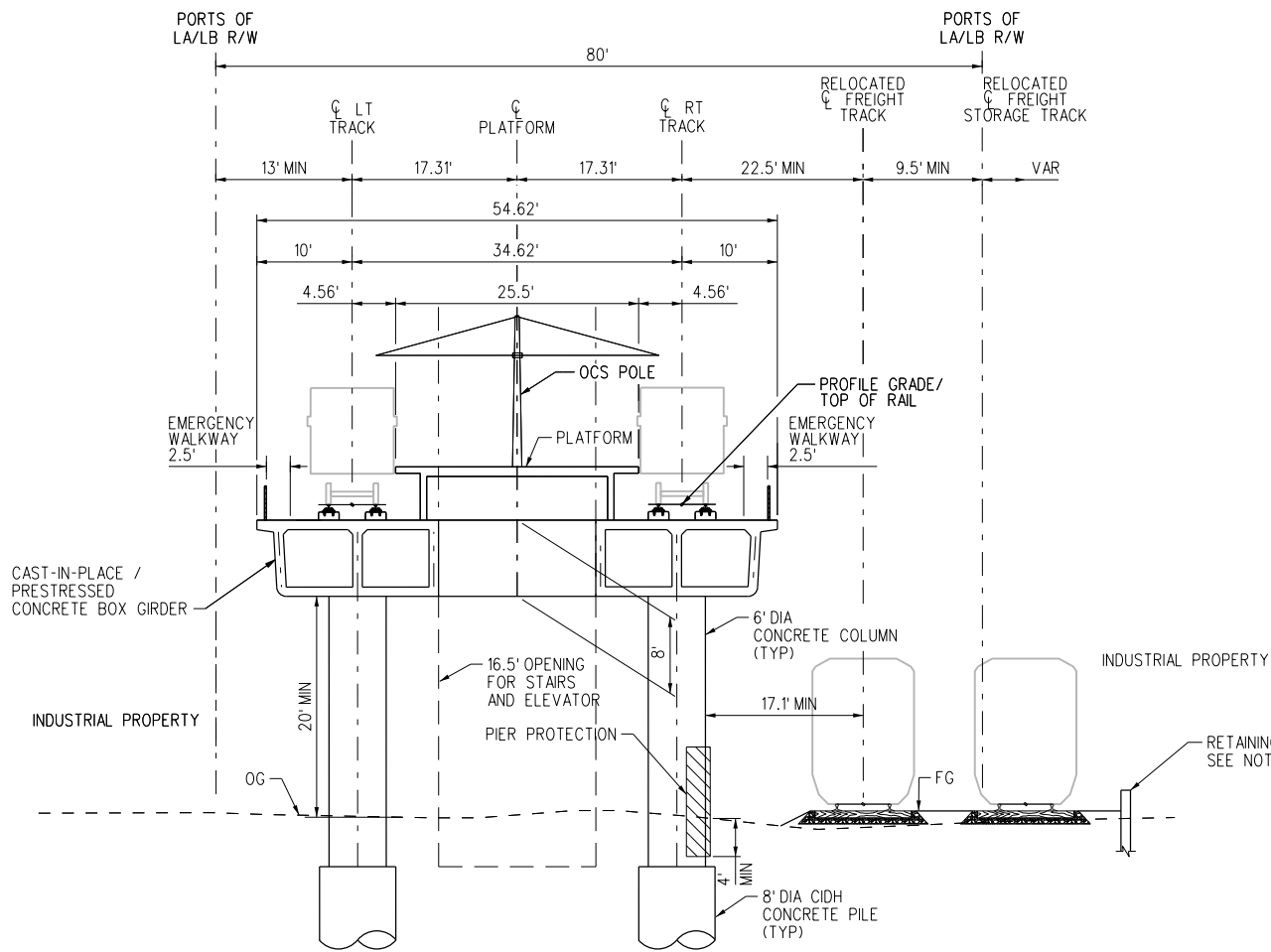
- NOTES:**
1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.
  2. ADDITIONAL EVACUATION/EMERGENCY WALKWAY DETAILS TO BE PROVIDED IN FINAL DESIGN AND ADHERE TO METRO RAIL DESIGN CRITERIA (MRDC).



**TYPICAL AERIAL STRUCTURE**

SCALE: NTS

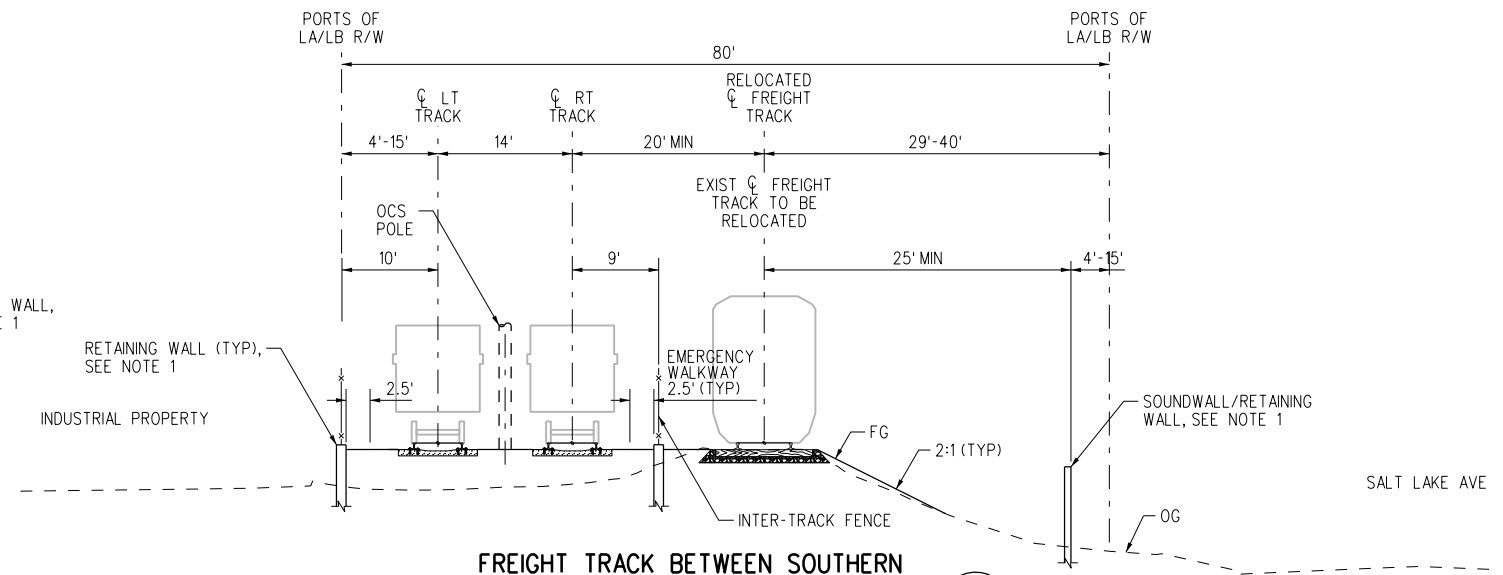
**AF**  
T-213  
PATATA FREIGHT OH  
FIRESTONE BLVD  
IMPERIAL HWY  
GARFIELD AVE  
T-215  
T-223 TO T-224



**FIRESTONE STATION BETWEEN ATLANTIC AVE AND FIRESTONE BLVD**

SCALE: NTS

**AE**  
T-214



**FREIGHT TRACK BETWEEN SOUTHERN AVE AND LOS ANGELES RIVER**

SCALE: NTS

**AG**  
T-218

15-DEC-2023 E-28091ATX202.plg  
wspw14\_pw-svc 02:27

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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	4/7/2023	DESCRIPTION	REVISED FINAL ACE SUBMITTAL	SEAL HOLDER
DRAWN BY	CB	BY		APP	REG NO.	EXPIRES
CHECKED BY	NM	IN CHARGE	RL	DATE	4/7/2023	
REV	3	DATE	4/7/2023	DESCRIPTION	REVISED FINAL ACE SUBMITTAL	SEAL HOLDER

DESIGNED BY	CB
DRAWN BY	CB
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

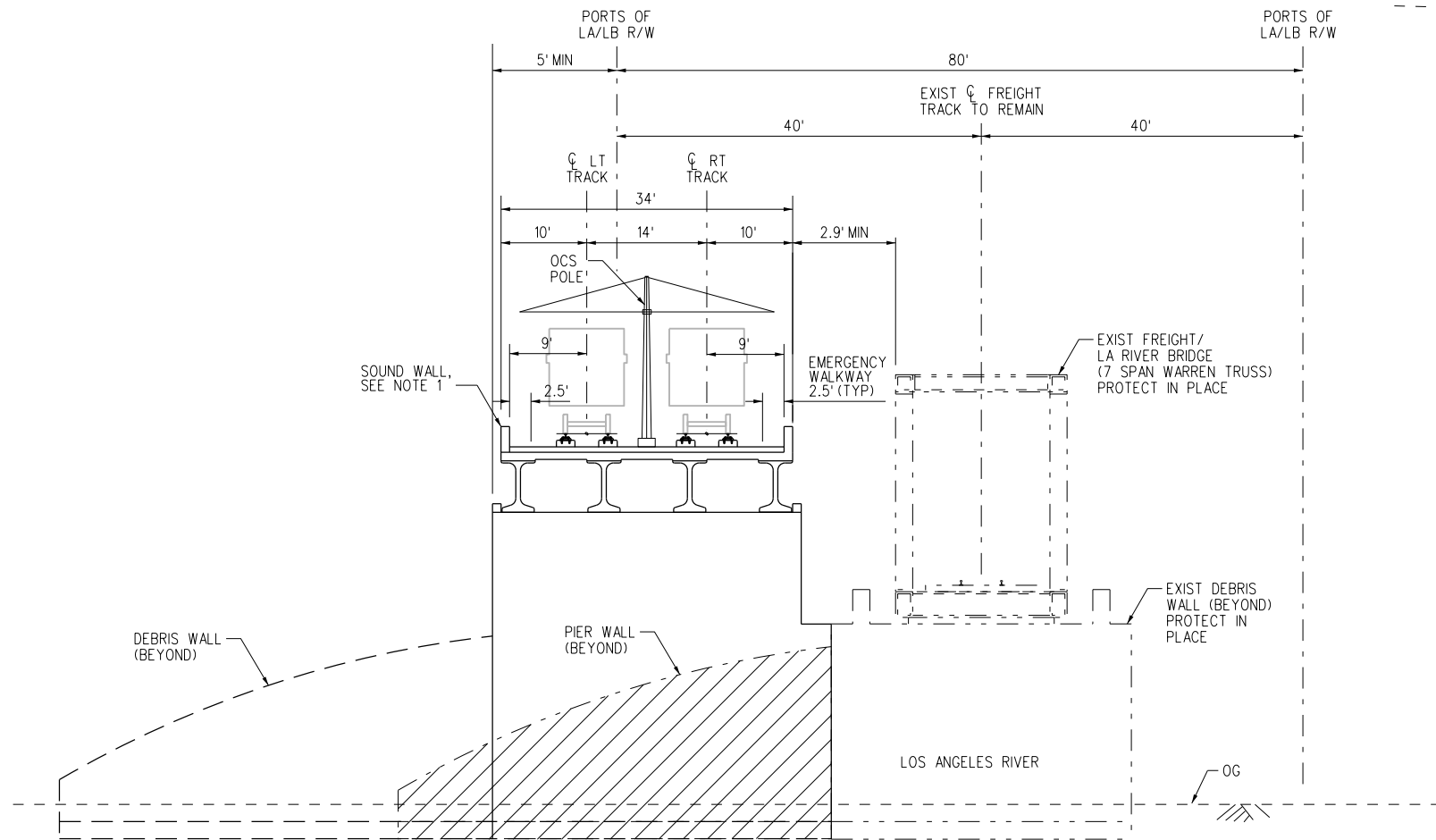
**WEST SANTA ANA BRANCH LRT**  
**TYPICAL SECTIONS**  
**LOCALLY PREFERRED ALTERNATIVE**

CONTRACT NO.	AE5999300
DRAWING NO.	TX-202
SCALE	NO SCALE
SHEET NO.	99 OF 107

**NOT FOR CONSTRUCTION**

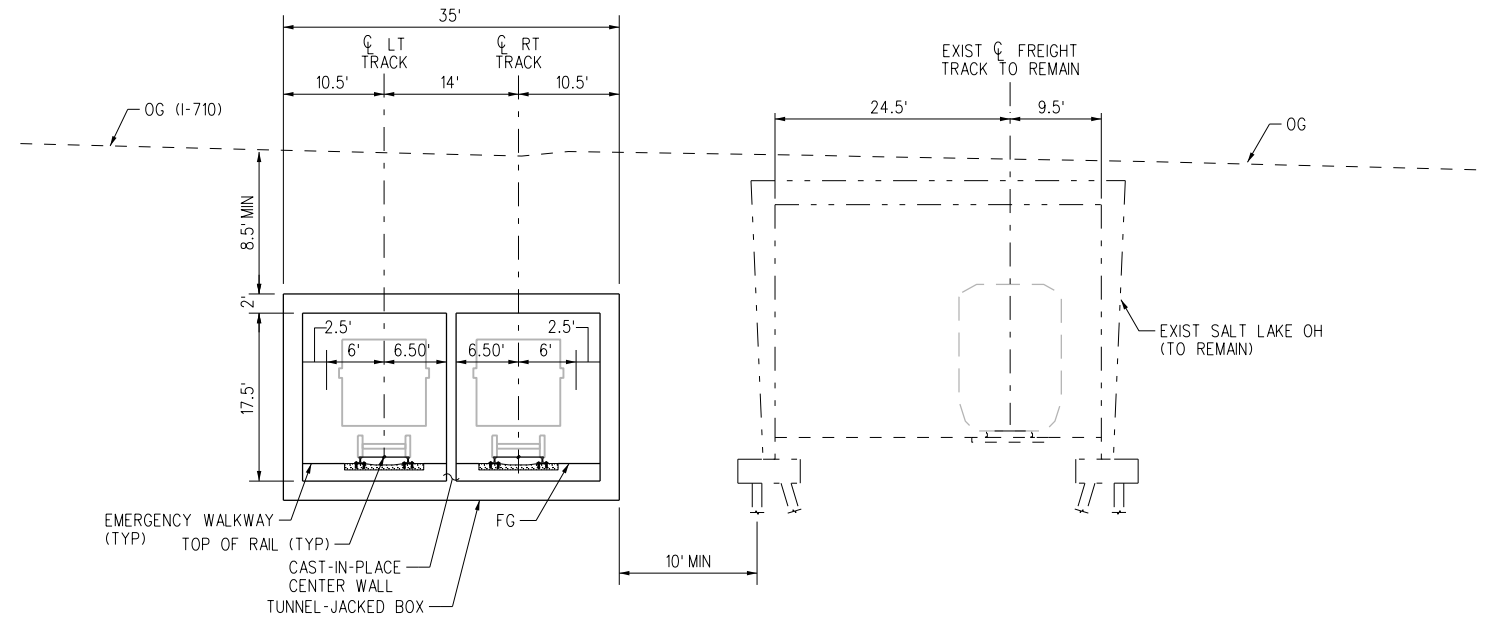
**NOTES:**

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



15-DEC-2023 E-28091ATX203.plg  
wspw14\_pw-svc 02:26

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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	DRWN BY	CB	CHECKED BY	NM	IN CHARGE	RL
DATE	4/7/2023	DATE	4/7/2023	DESCRIPTION	REVISED FINAL ACE SUBMITTAL	SEAL HOLDER	
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY	CB
DRWN BY	CB
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TYPICAL SECTIONS LOCALLY PREFERRED ALTERNATIVE**

CONTRACT NO. AE5999300

DRAWING NO. TX-203

SCALE NO SCALE

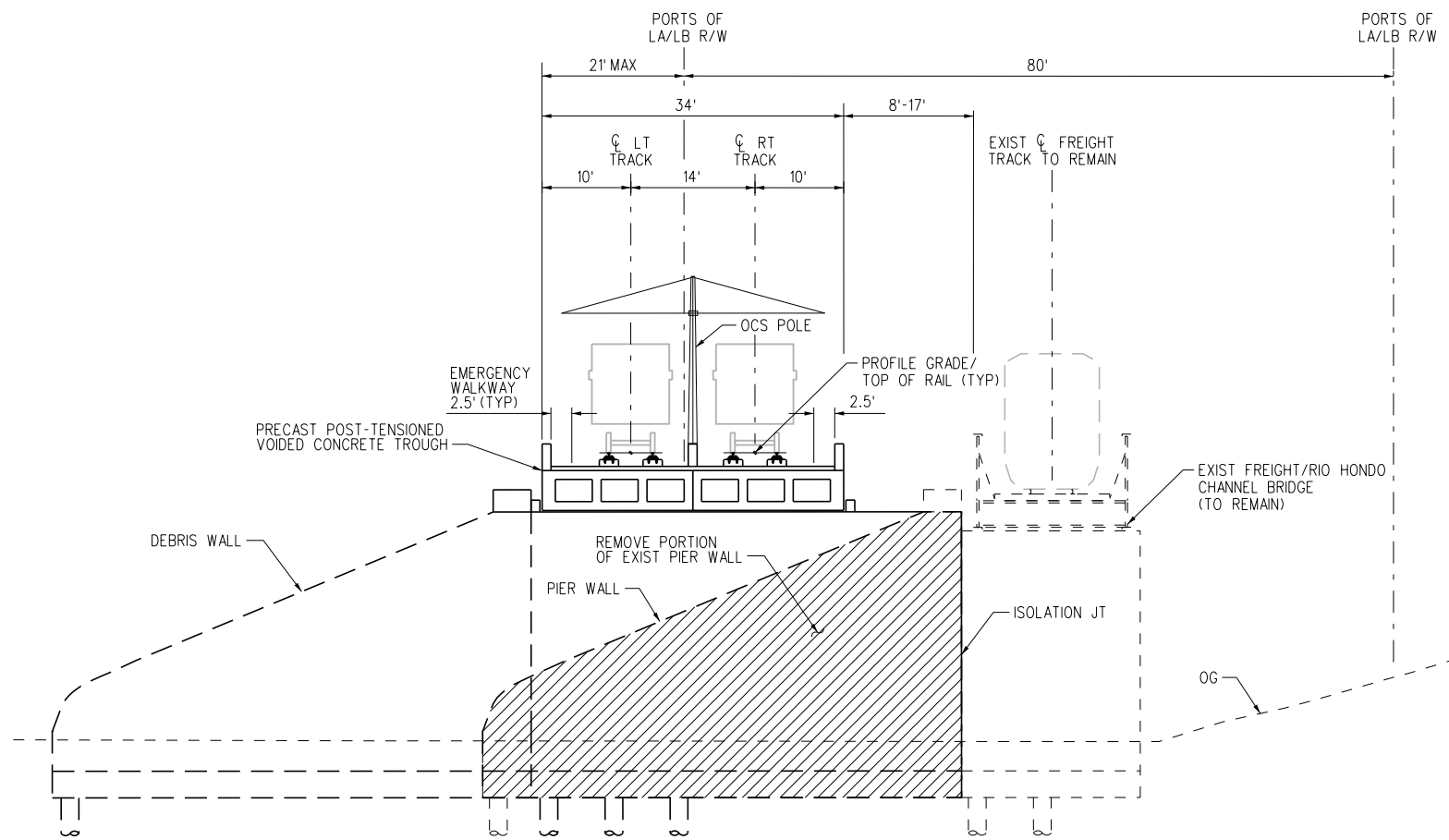
SHEET NO. 100 OF 107

**NOT FOR CONSTRUCTION**

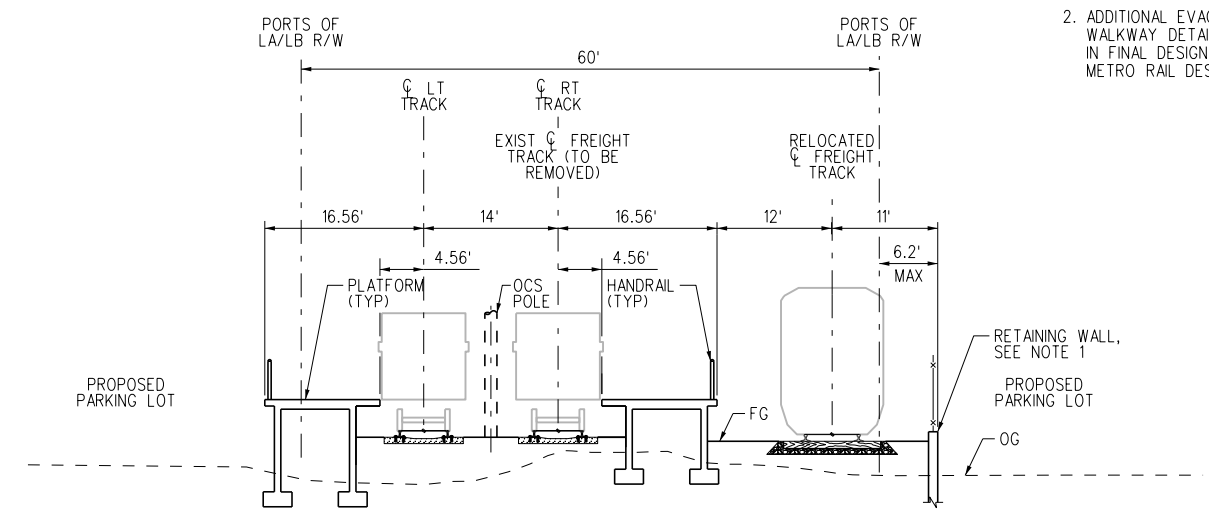


**NOTES:**

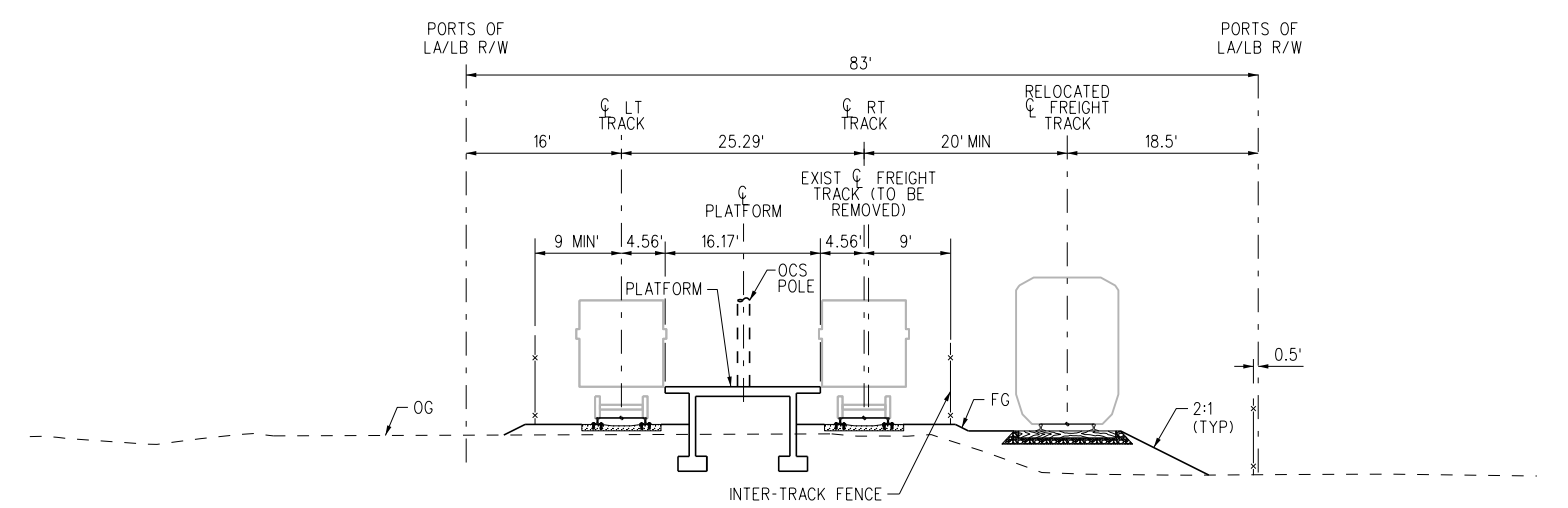
1. FOR FENCE, SOUND WALL, PRIVACY SCREENING, AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.
2. ADDITIONAL EVACUATION/EMERGENCY WALKWAY DETAILS TO BE PROVIDED IN FINAL DESIGN AND ADHERE TO METRO RAIL DESIGN CRITERIA (MRDC).



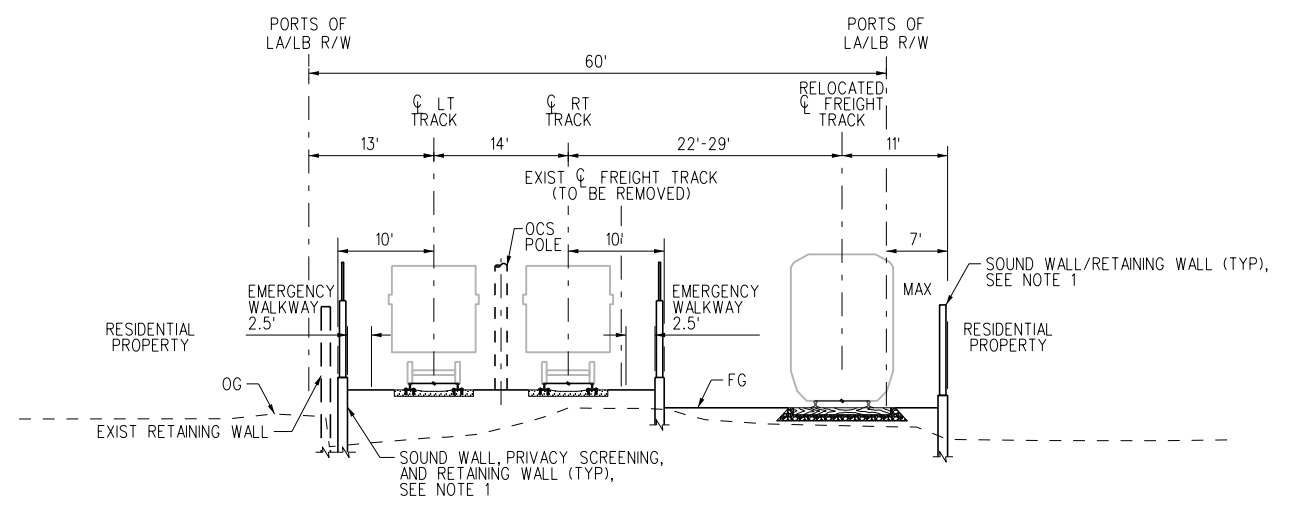
**LRT GRADE SEPARATION AT RIO HONDO CHANNEL** (AJ)  
SCALE: NTS  
T-221



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



**GARDENDALE STATION** (AK)  
SCALE: NTS  
T-227



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

15-DEC-2023 E-28091ATX204.plg  
wsppw14-pw-svc 02:30  
Plot Driver=MTA-half.pen  
Pentable=bw.plt

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

DESIGNED BY	CB						
DRAWN BY	CB						
CHECKED BY	NM						
IN CHARGE	RL						
DATE	4/7/2023						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

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.
--

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

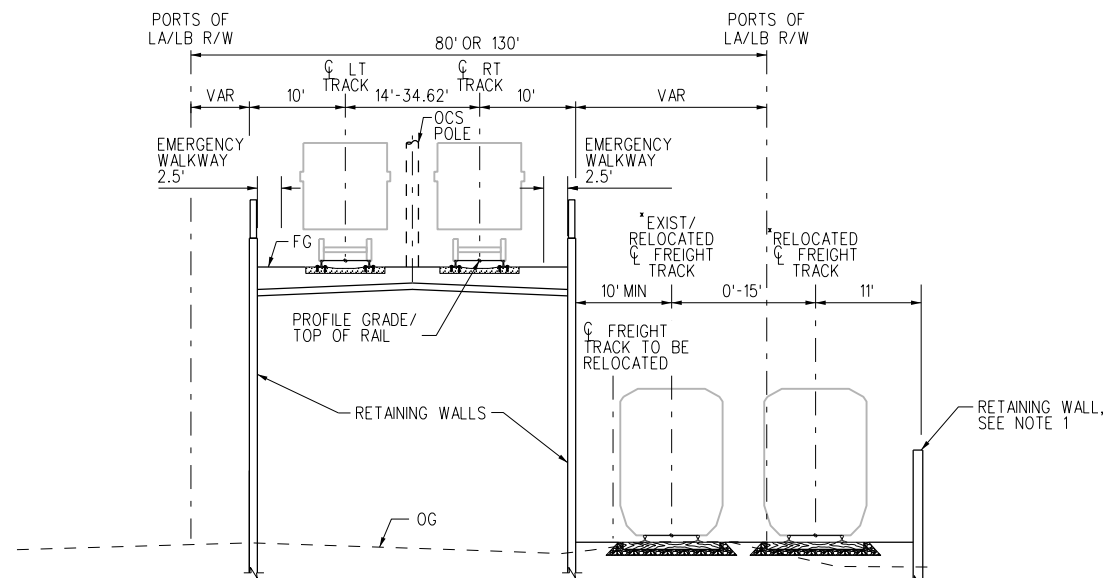
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DRAWING NO. TX-204  
SCALE: NO SCALE  
SHEET NO. 101 OF 107

REVISIONS:  
SUBMITTED: \_\_\_\_\_  
APPROVED: \_\_\_\_\_

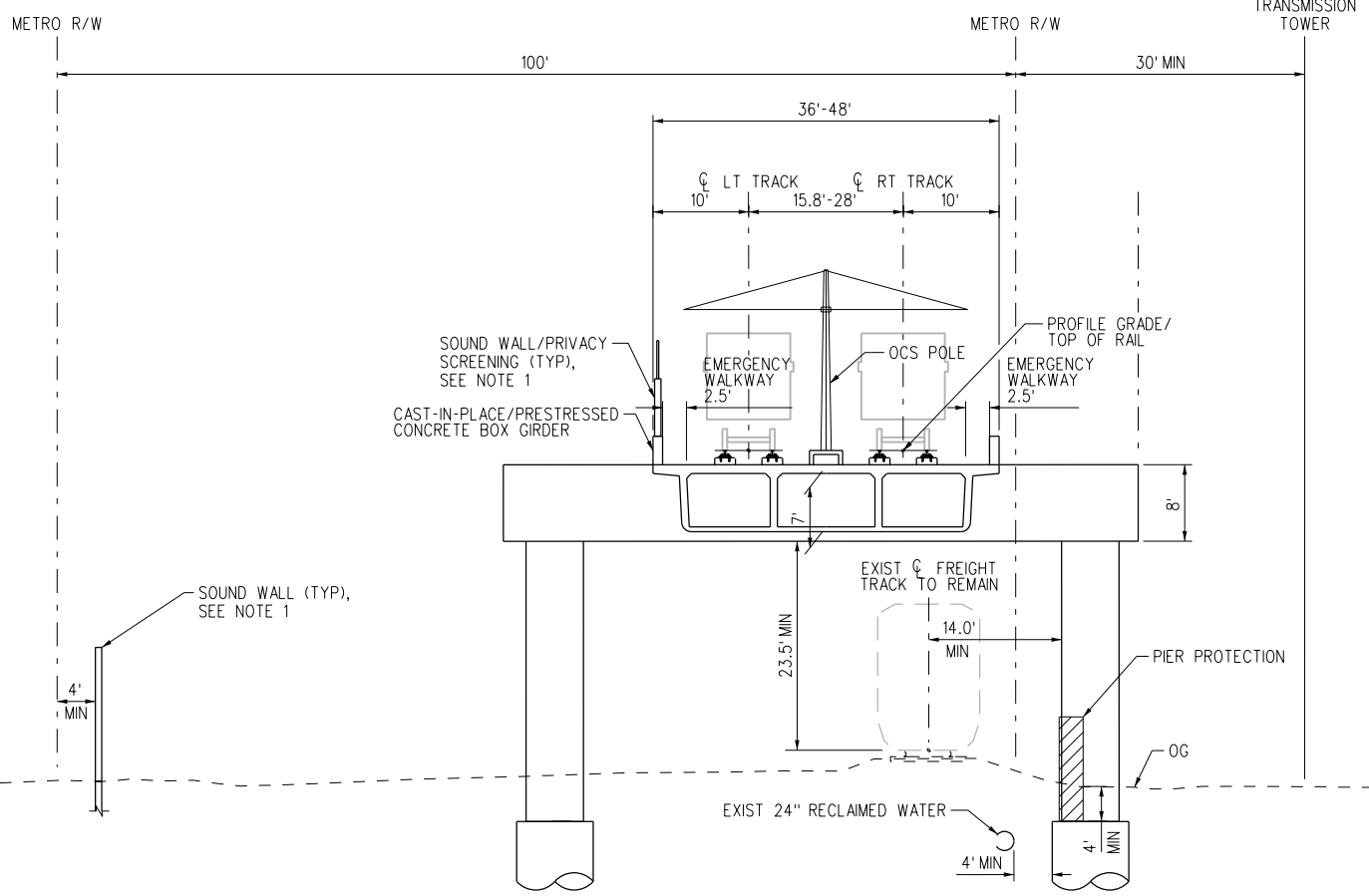
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**WEST SANTA ANA BRANCH LRT TYPICAL SECTIONS**  
LOCALLY PREFERRED ALTERNATIVE

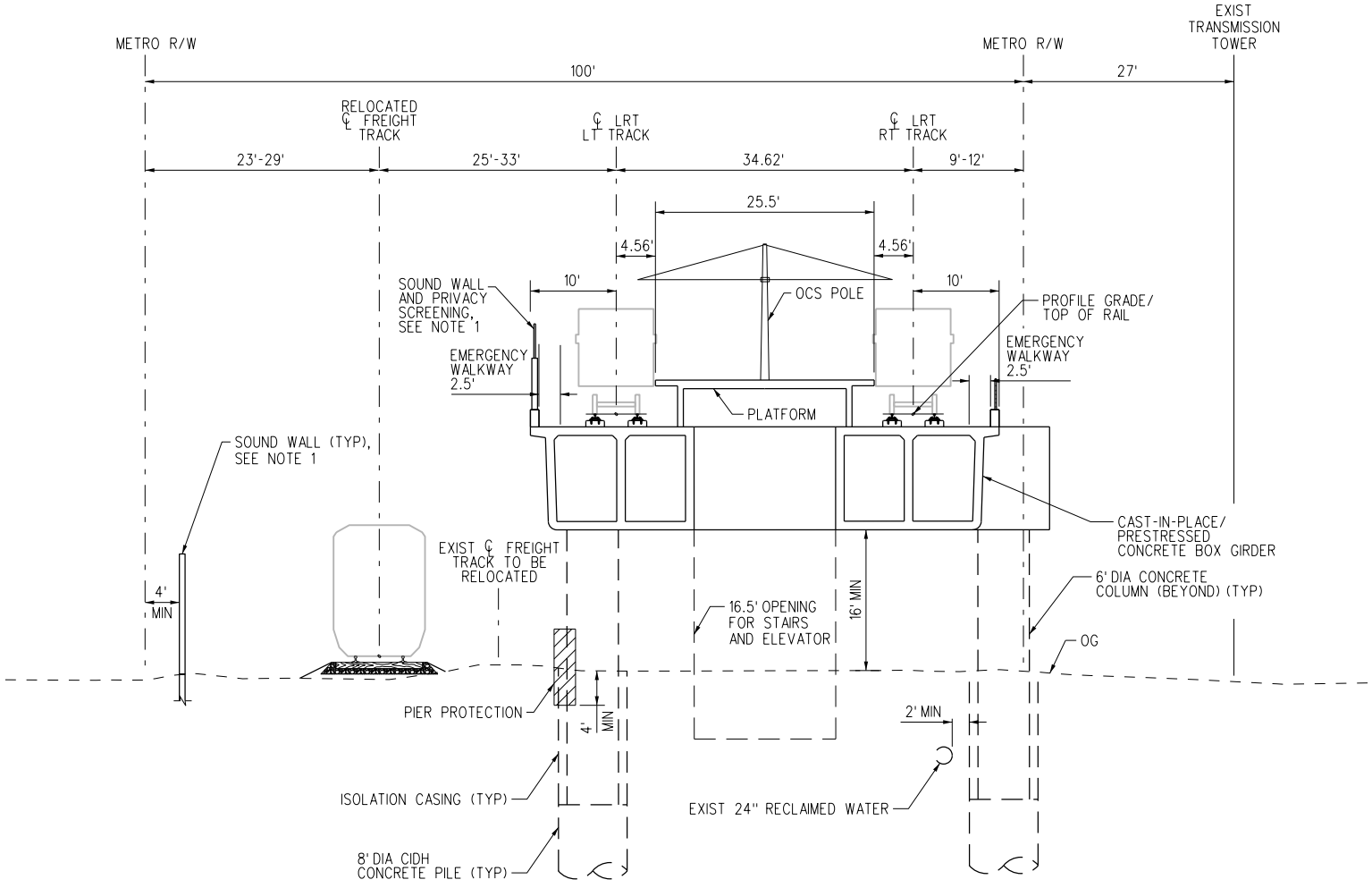
- NOTES:**
- FOR SOUND WALL, PRIVACY SCREENING, AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.
  - ADDITIONAL EVACUATION/EMERGENCY WALKWAY DETAILS TO BE PROVIDED IN FINAL DESIGN AND ADHERE TO METRO RAIL DESIGN CRITERIA (MRDC).



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



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



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

15-DEC-2023 E-28091ATX205.plg  
 wspw14\_pw-svc 02:26  
 Plot Driver=MTA-half.pen  
 Pentable=bw.plt

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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		DRAWN BY CB		DRAWING NO. TX-205			
		CHECKED BY NM		SCALE NO SCALE			
		IN CHARGE RL		SHEET NO. 102 OF 107			
		DATE 4/7/2023					
3	4/7/2023		REVISOR	REVISION			
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
							REVISED FINAL ACE SUBMITTAL

DESIGNED BY CB	 <b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>	CONTRACT NO. AE5999300
DRAWN BY CB		DRAWING NO. TX-205
CHECKED BY NM		SCALE NO SCALE
IN CHARGE RL		SHEET NO. 102 OF 107
DATE 4/7/2023		

**WSP** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

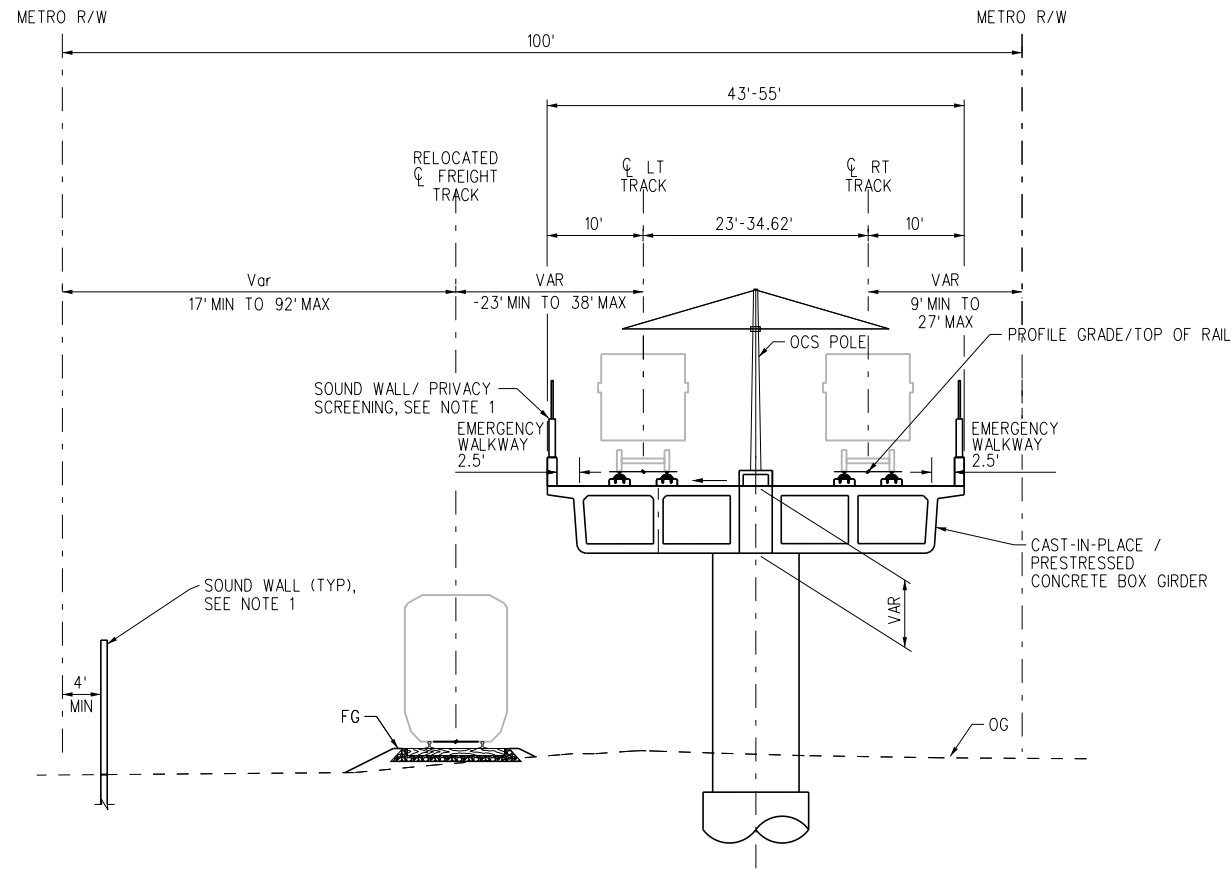
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APPROVED \_\_\_\_\_

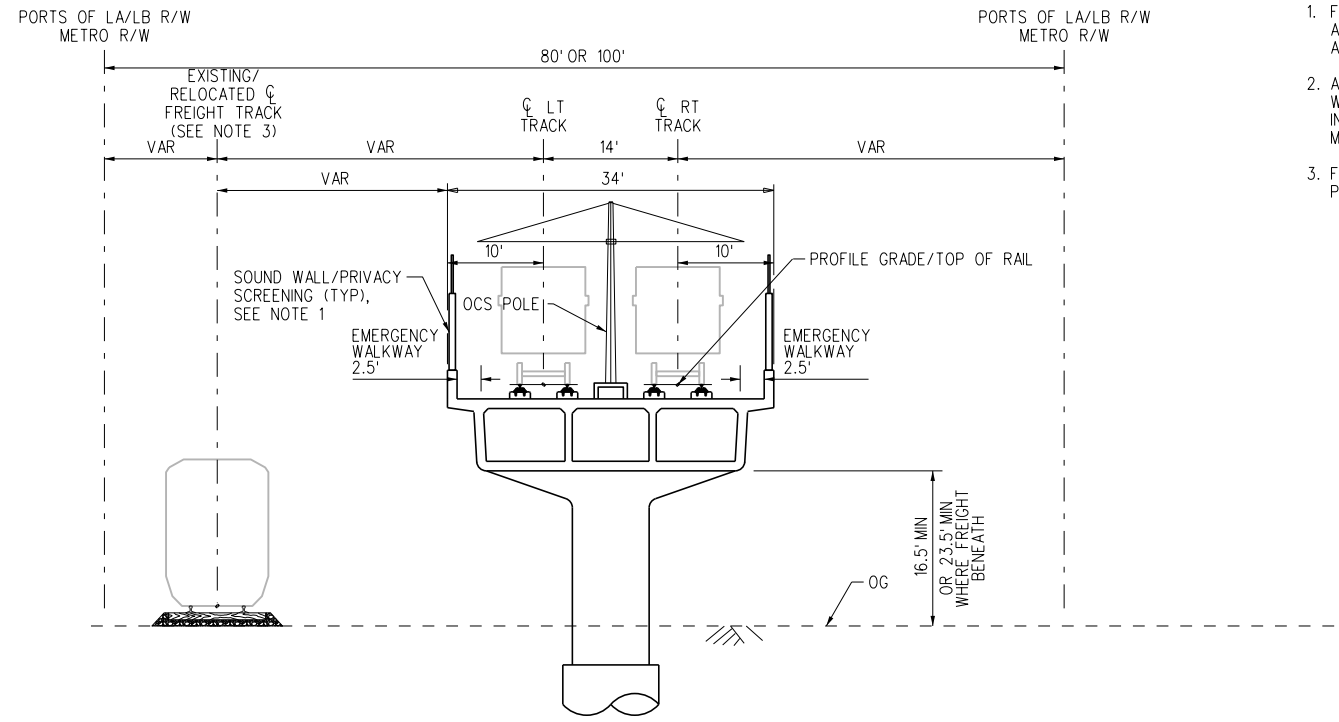
**WEST SANTA ANA BRANCH LRT**  
**TYPICAL SECTIONS**  
**LOCALLY PREFERRED ALTERNATIVE**

**NOT FOR CONSTRUCTION**

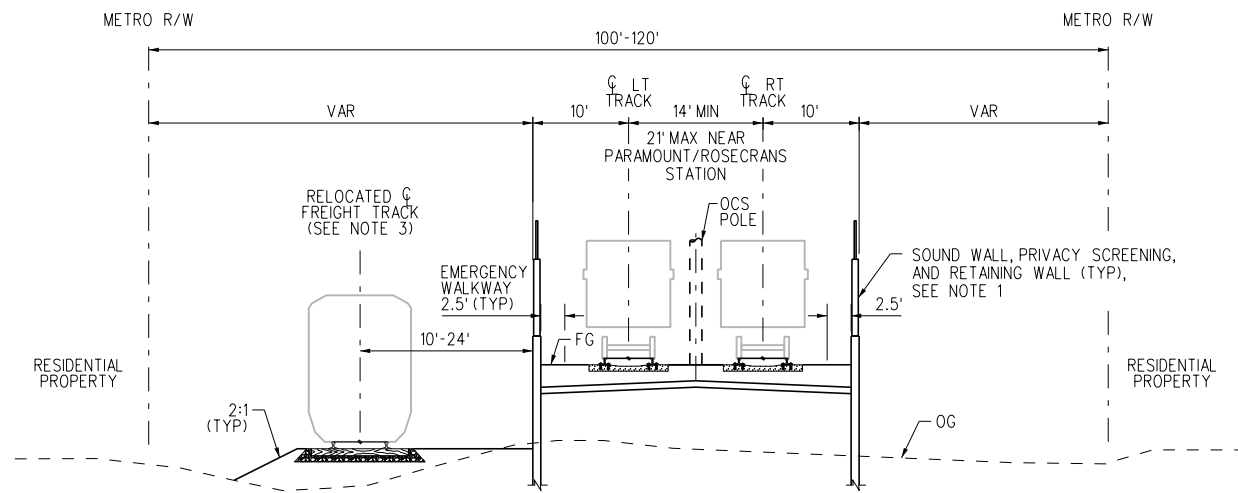
- NOTES:**
1. FOR SOUND WALL, PRIVACY SCREENING, AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.
  2. ADDITIONAL EVACUATION/EMERGENCY WALKWAY DETAILS TO BE PROVIDED IN FINAL DESIGN AND ADHERE TO METRO RAIL DESIGN CRITERIA (MRDC).
  3. FOR FREIGHT LOCATION LIMITS, SEE PLAN AND PROFILE SHEETS.



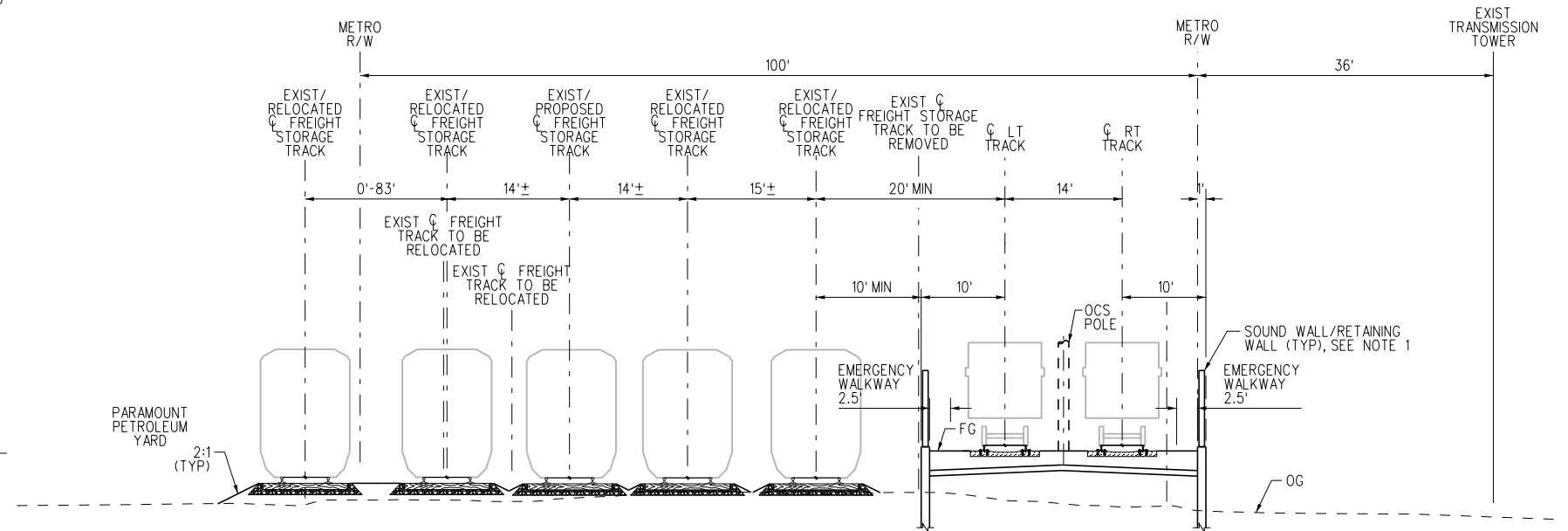
**TYPICAL AERIAL NEAR PARAMOUNT BLVD AND ROSECRANS AVE**  
 SCALE: NTS  
**AQ** T-234  
 T-235



**TYPICAL AERIAL STRUCTURE (METRO ROW)**  
 SCALE: NTS  
**AS** T-232  
 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



**TYPICAL AT RETAINING WALLS WITHIN METRO R/W**  
 SCALE: NTS  
**AR** T-235 TO T-238  
 T-249  
 T-254 TO T-255  
 T-259 TO T-261  
 T-265



**TYPICAL AT WORLD ENERGY**  
 SCALE: NTS  
**AT** T-238  
 T-239

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3	4/7/2023					REVISED FINAL ACE SUBMITTAL
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DESIGNED BY CB
DRAWN BY CB
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT**  
**TYPICAL SECTIONS**  
**LOCALLY PREFERRED ALTERNATIVE**

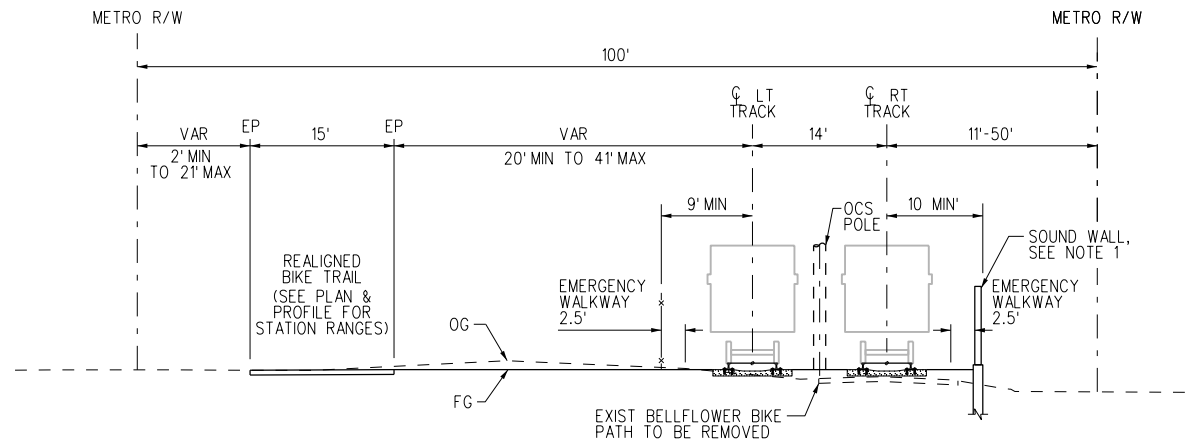
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DRAWING NO. <b>TX-206</b>
SCALE <b>NO SCALE</b>
SHEET NO. <b>103 OF 107</b>

**NOT FOR CONSTRUCTION**

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**NOTES:**

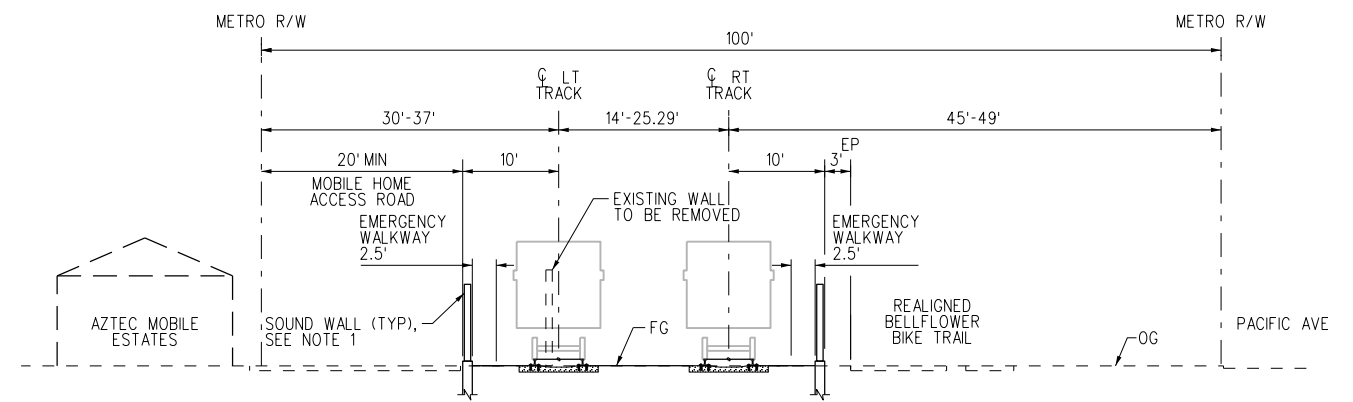
1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.
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**AT-GRADE TYPICAL IN BELLFLOWER WITH BIKE PATH ON NORTH SIDE BETWEEN SOMERSET BLVD AND LAKEWOOD BLVD**

SCALE: NTS

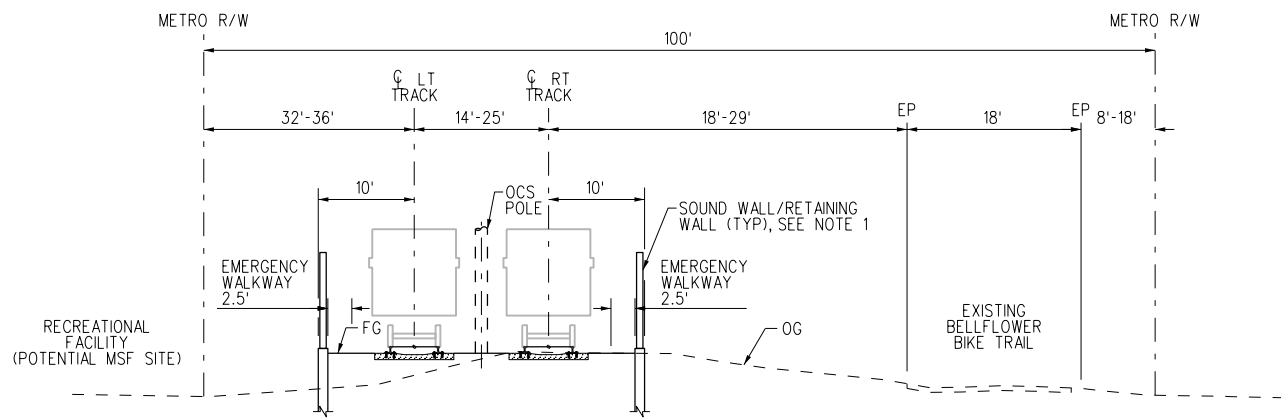
**AU**  
T-240  
T-241



**TYPICAL AT MOBILE HOME PARK BETWEEN ALONDRA BLVD AND BELLFLOWER BLVD**

SCALE: NTS

**AW**  
T-245  
T-246

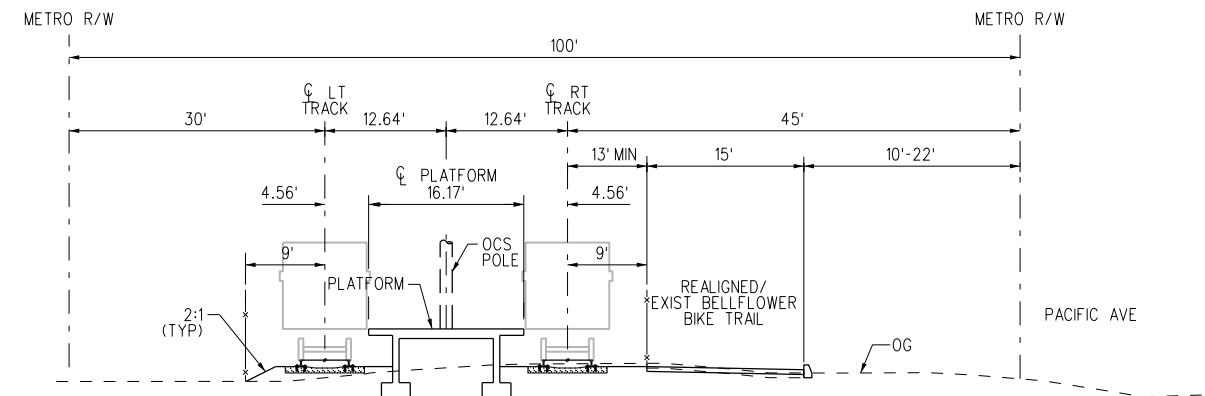


**TYPICAL IN BELLFLOWER WITH BIKE PATH ON SOUTH SIDE**

SCALE: NTS

**AV**  
T-241

T-242 TO T-245  
T-248



**BELLFLOWER STATION**

SCALE: NTS

**AX**  
T-247

15-DEC-2023 E-28091ATX207.plg  
wspw14\_pw-svc 02:27

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

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DESIGNED BY	CB	DRWN BY	CB	CHECKED BY	NM	IN CHARGE	RL
DATE	4/7/2023	DESCRIPTION	REVISED FINAL ACE SUBMITTAL				
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY	CB
DRWN BY	CB
CHECKED BY	NM
IN CHARGE	RL
DATE	4/7/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

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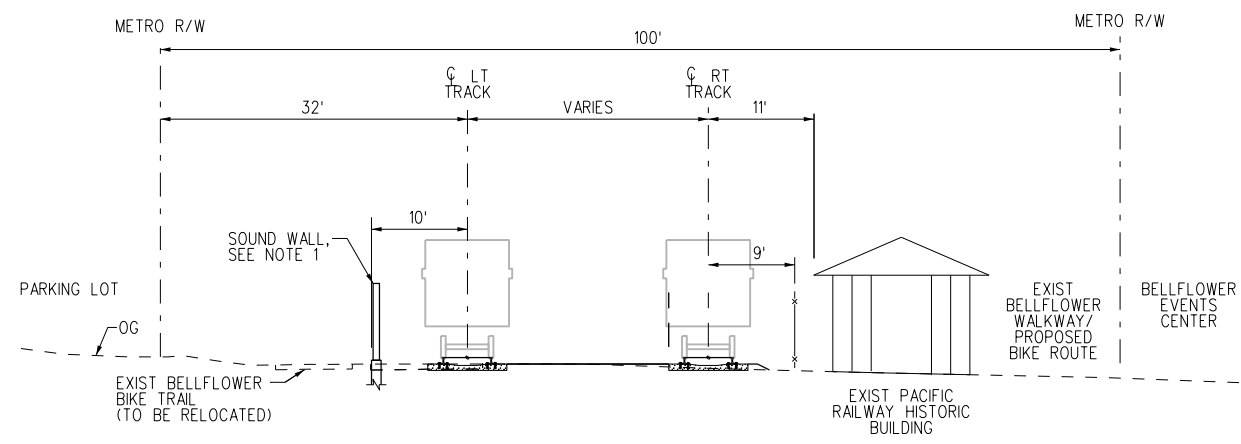
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**WEST SANTA ANA BRANCH LRT**  
**TYPICAL SECTIONS**  
**LOCALLY PREFERRED ALTERNATIVE**

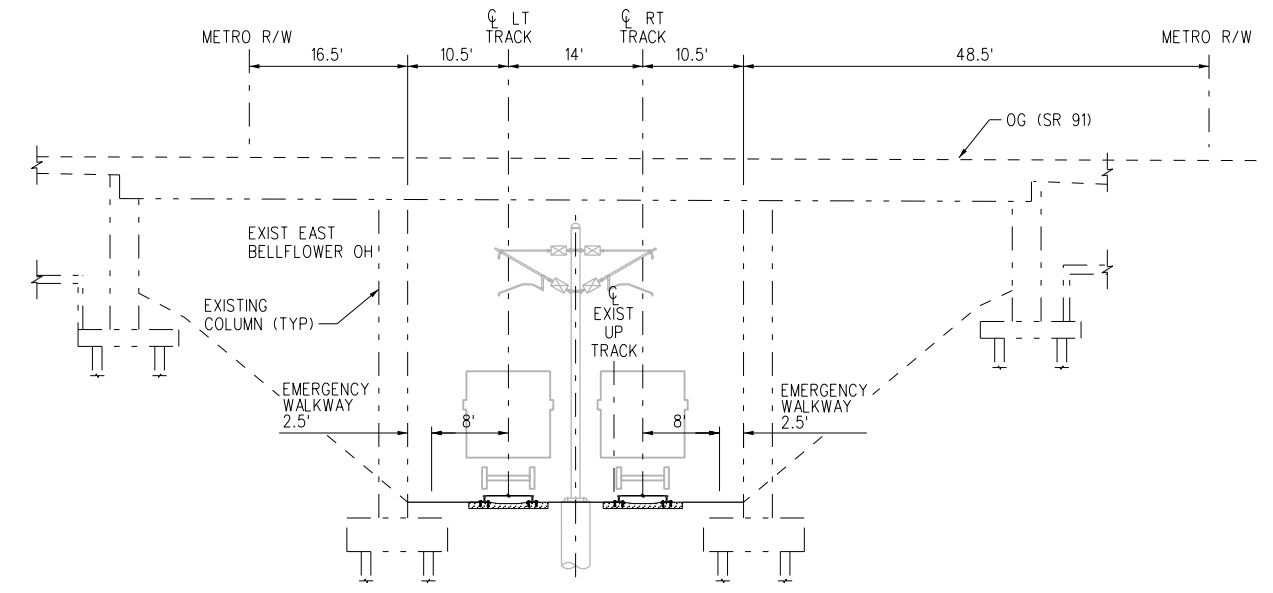
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DRAWING NO.	TX-207
SCALE	NO SCALE
SHEET NO.	104 OF 107

**NOT FOR CONSTRUCTION**

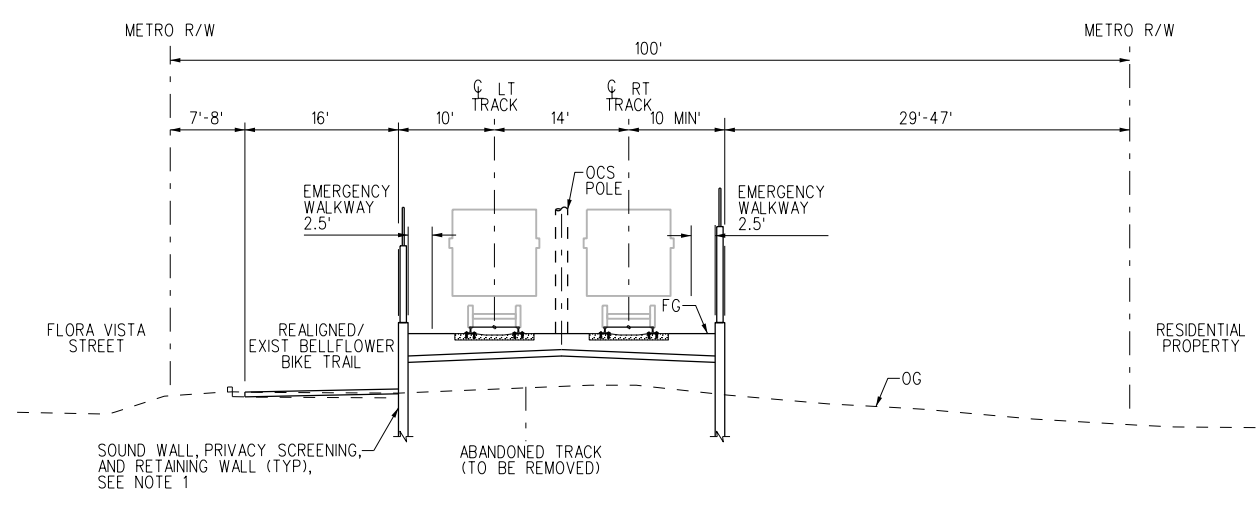
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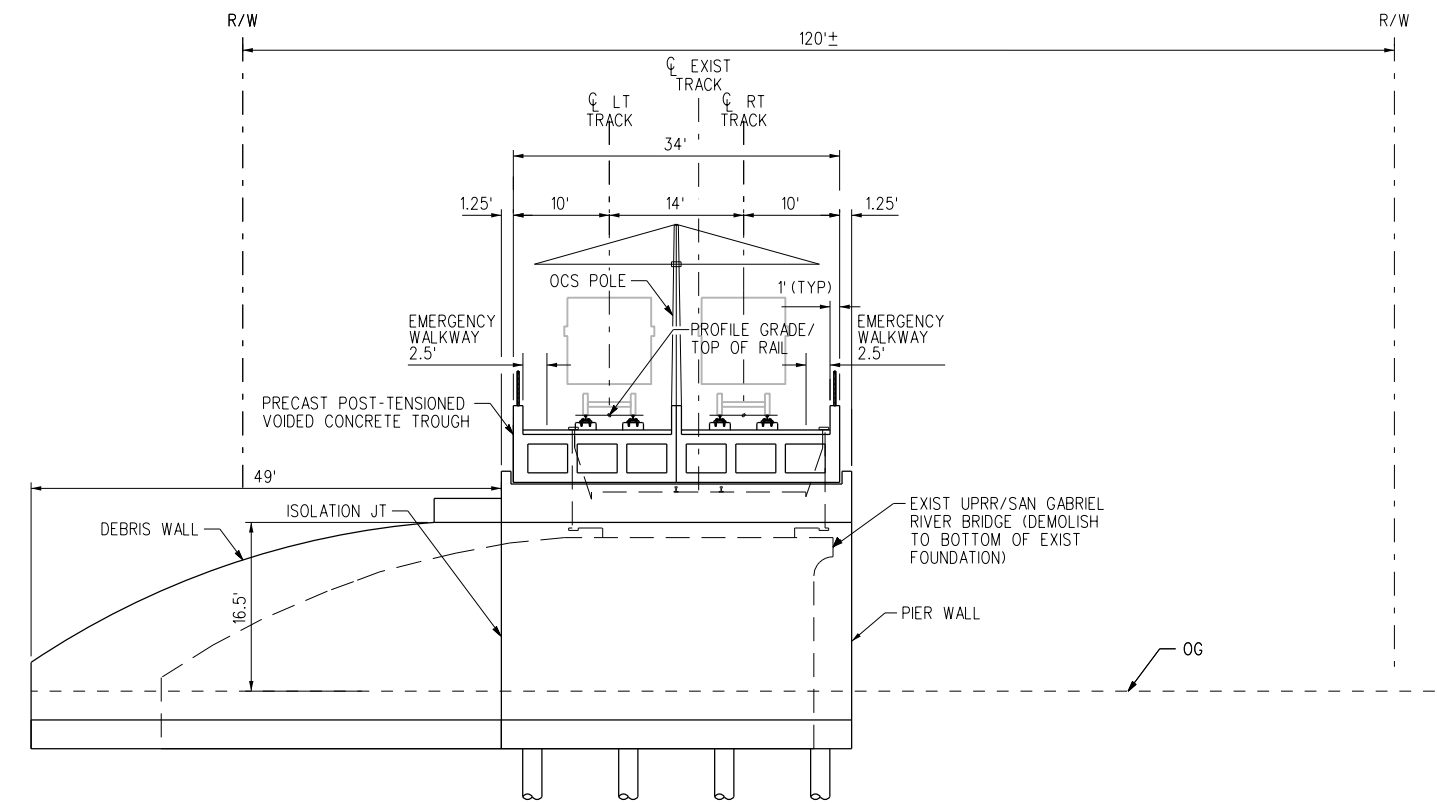
**TYPICAL AT HISTORICAL BUILDING**  
SCALE: NTS  
**AY**  
T-247



**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 TO T-253



**TYPICAL AERIAL SECTION AT SAN GABRIEL RIVER**  
SCALE: NTS  
**BB**  
T-254

15-DEC-2023 E-28091ATX208.plg  
wsppw14-pw-svc 02:26

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY CB
DRAWN BY CB
CHECKED BY NM
IN CHARGE RL
DATE 4/7/2023

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LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

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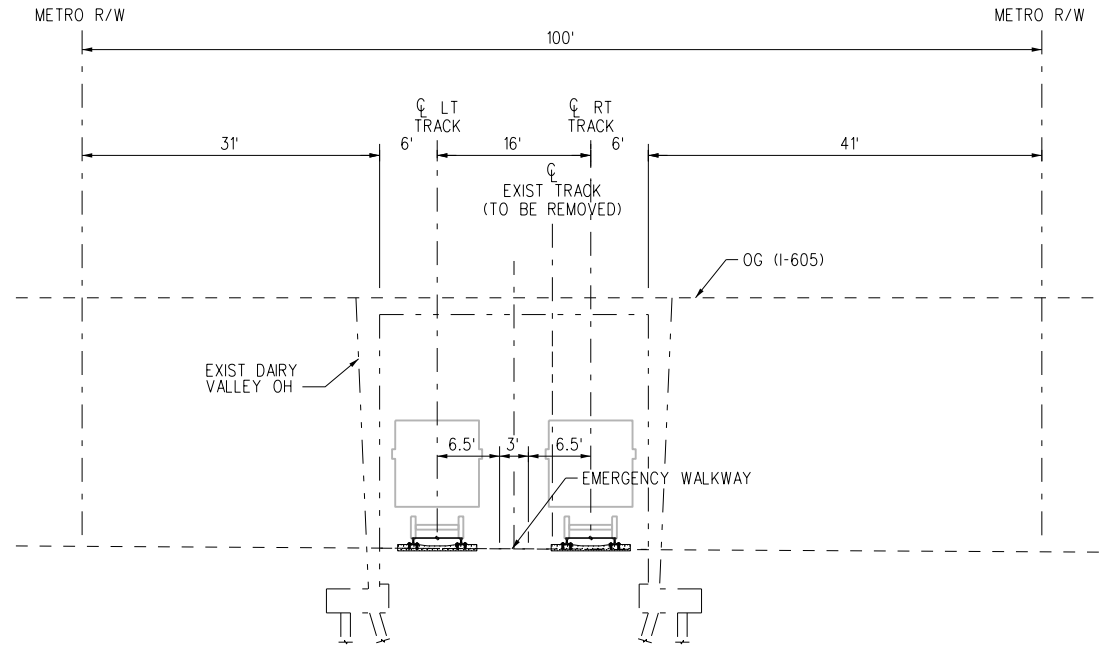
SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT**  
**TYPICAL SECTIONS**  
**LOCALLY PREFERRED ALTERNATIVE**

CONTRACT NO. AE5999300
DRAWING NO. TX-208
SCALE NO SCALE
SHEET NO. 105 OF 107

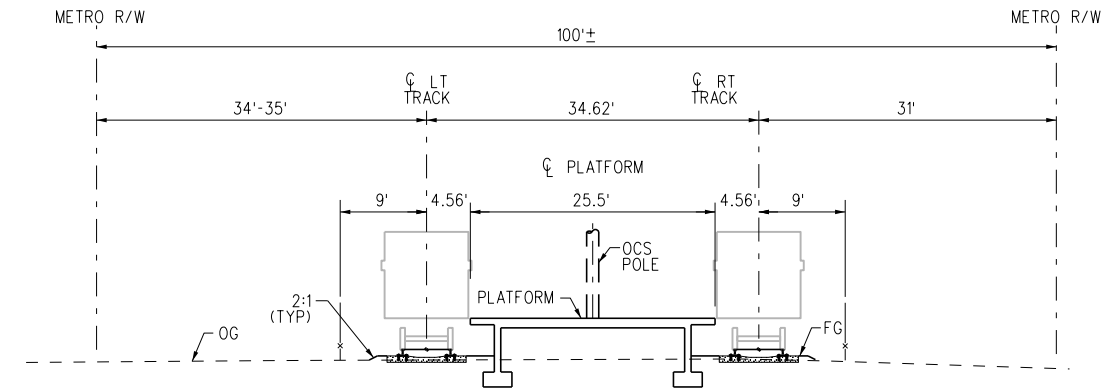
**NOT FOR CONSTRUCTION**

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**DAIRY VALLEY OH AT I-605**

SCALE: NTS

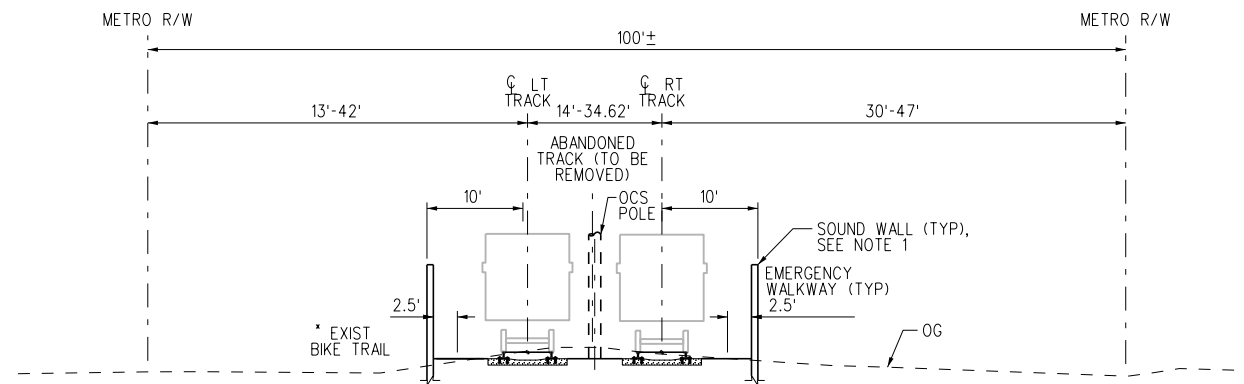


**PIONEER STATION**

SCALE: NTS



T-267



**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, T-266 TO T-268

15-DEC-2023 E-28091ATX209.plg  
wsppw14-pw-svc 02:28

**REVISED FINAL ACE SUBMITTAL - 4/7/2023**

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
3	4/7/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY	CB
DRAWN BY	CB
CHECKED BY	NM
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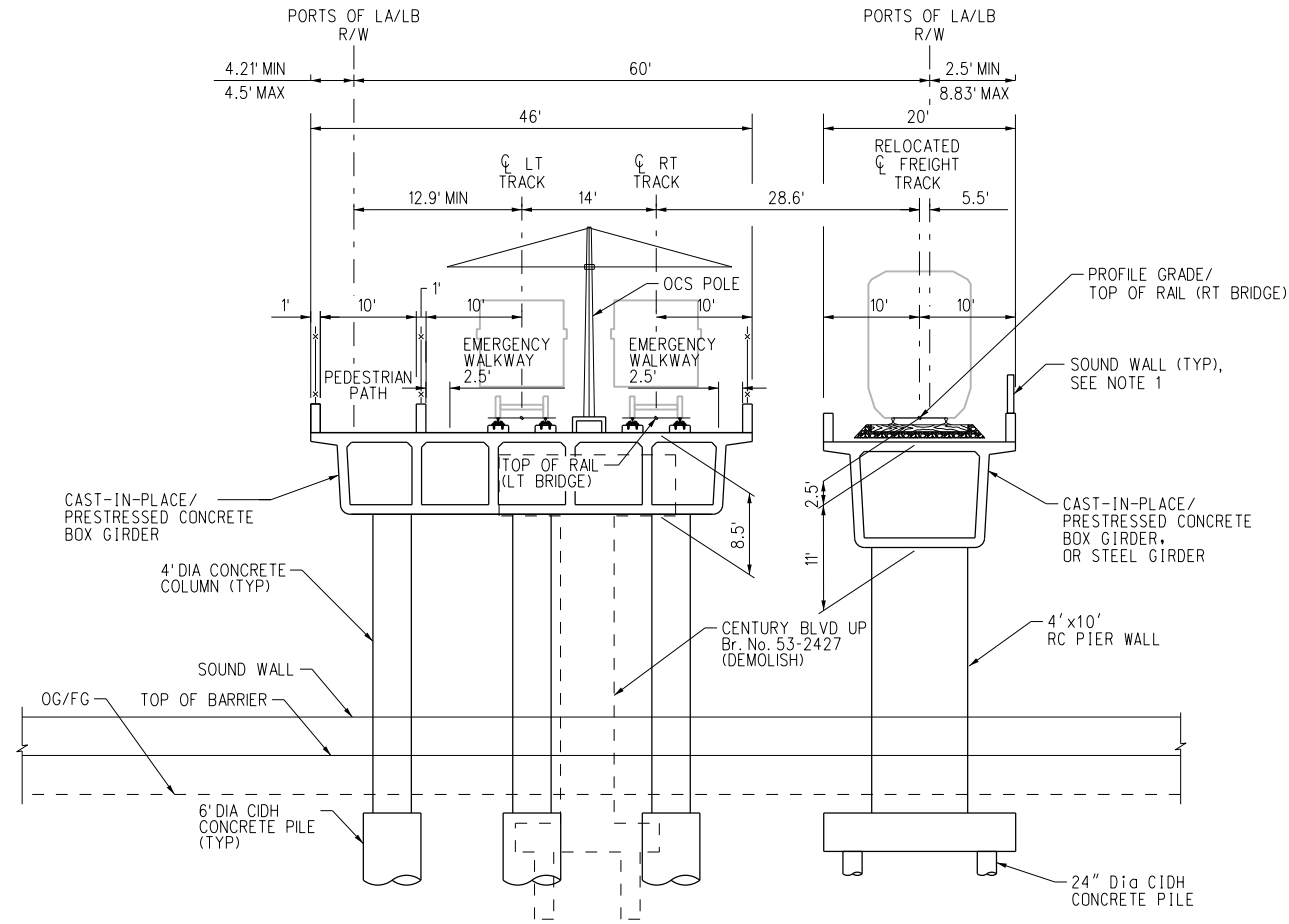
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT**  
TYPICAL SECTIONS  
LOCALLY PREFERRED ALTERNATIVE

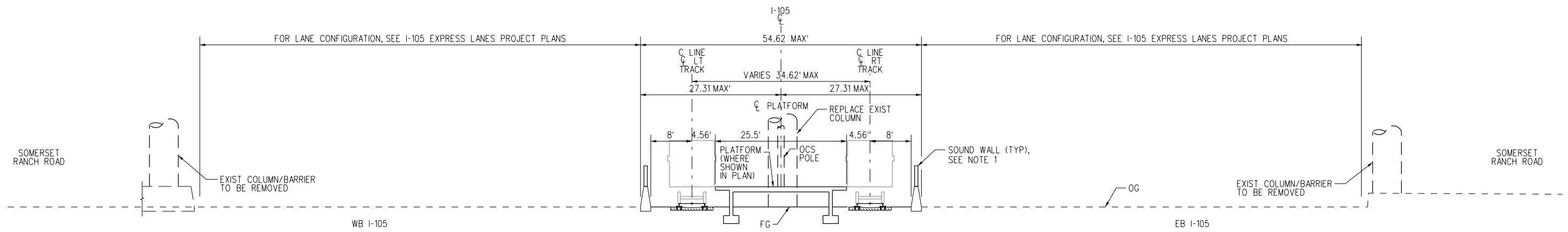
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DRAWING NO.	TX-209
SCALE	NO SCALE
SHEET NO.	106 OF 107

**NOT FOR CONSTRUCTION**

- NOTES:**
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**I-105 UNDERPASS**  
SCALE: NTS



**I-105/C LINE STATION (INFILL) (25.5' PLATFORM WIDTH)**  
SCALE: NTS

REVISED FINAL ACE SUBMITTAL - 4/7/2023

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3	4/7/2023						REVISED FINAL ACE SUBMITTAL

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**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT TYPICAL SECTIONS C LINE**

CONTRACT NO. AE5999300

DRAWING NO. TX-210

SCALE: NO SCALE

SHEET NO. 107 OF 107

**NOT FOR CONSTRUCTION**

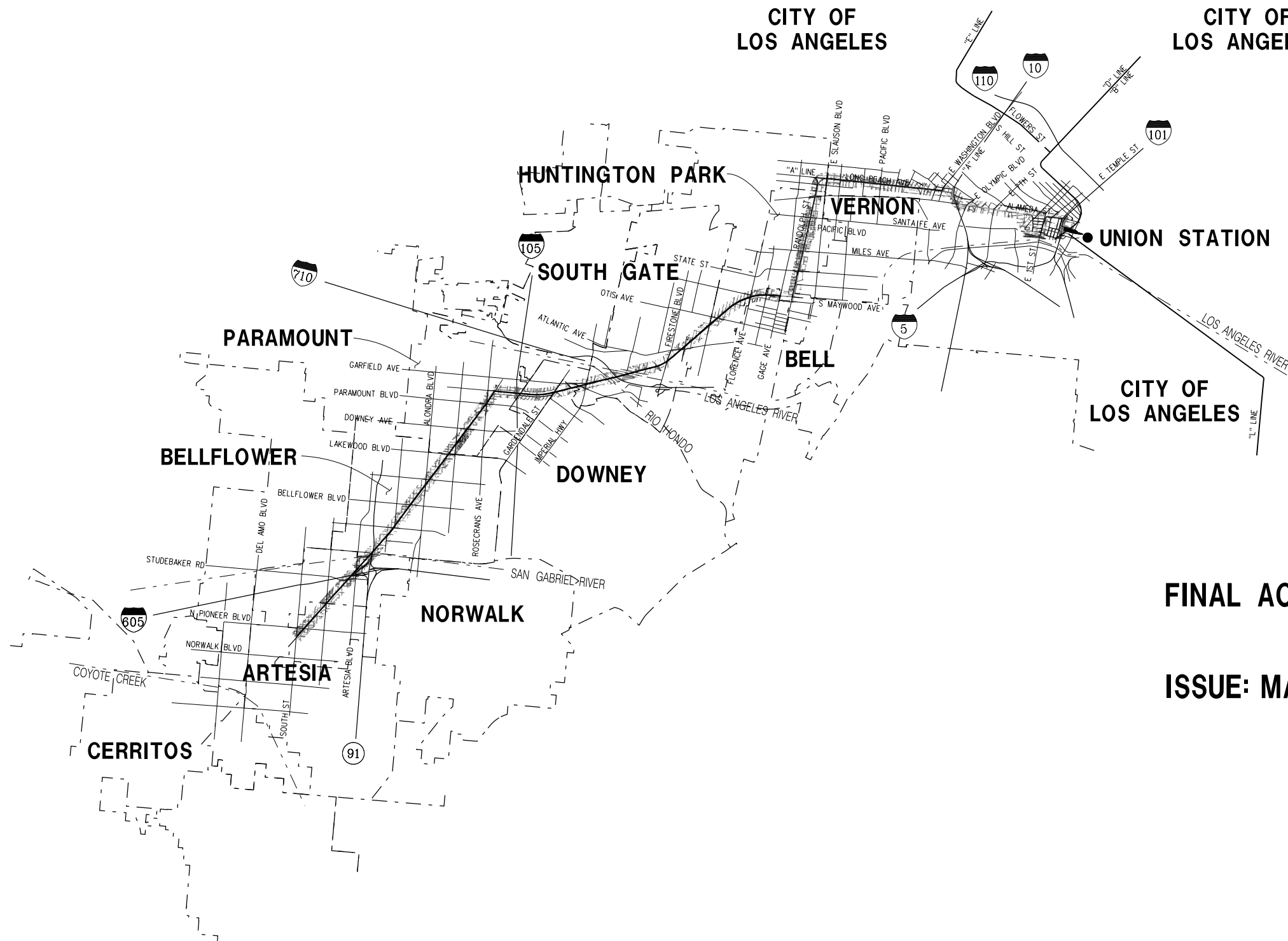
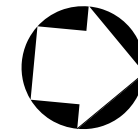
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wspw14-pw-svc22-02  
16-FEB-2024

CITY OF  
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LOS ANGELES



**FINAL ACE GRADE CROSSING DESIGN**

**ISSUE: MARCH 2024**

**NOT FOR CONSTRUCTION**

# WEST SANTA ANA BRANCH TRANSIT CORRIDOR PROJECT

515 Figueroa Street  
Suite 1400  
Los Angeles, CA 90071  
TEL (213) 362-9470



LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY

**INDEX OF DRAWINGS**

SHT NO	DWG NO	DWG TITLE
<b>GENERAL</b>		
1	G-002	GENERAL INDEX
2	G-003	GENERAL ABBREVIATIONS, GENERAL NOTES, AND LEGENDS
<b>GRADE CROSSING</b>		
3	CS-101	GRADE CROSSING SLAUSON AVE & HOLMES AVE PLAN
4	CS-102	GRADE CROSSING ALAMEDA ST & ALBANY ST PLAN
5	CS-103	GRADE CROSSING SANTA FE AVE & RUGBY AVE PLAN
6	CS-104	GRADE CROSSING PACIFIC BLVD & SEVILLE AVE PLAN
7	CS-105	GRADE CROSSING MILES AVE PLAN
8	CS-106	GRADE CROSSING STATE ST PLAN
9	CS-107	GRADE CROSSING RANDOLPH ST PLAN
10	CS-201	GRADE CROSSING GAGE AVE & BELL AVE PLAN
11	CS-202	GRADE CROSSING FLORENCE AVE & OTIS AVE PLAN
12	CS-203	GRADE CROSSING SANTA ANA ST & ARDINE ST PLAN
13	CS-204	GRADE CROSSING ATLANTIC AVE & FIRESTONE BLVD PLAN
14	CS-205	GRADE CROSSING RAYO AVE & SOUTHERN AVE PLAN
15	CS-206	GRADE CROSSING IMPERIAL HWY & GARFIELD AVE PLAN
16	CS-207	GRADE CROSSING GARDENDALE ST & MAIN ST PLAN
17	CS-208	GRADE CROSSING CENTURY BLVD & ROSECRANS/PARAMOUNT PLAN
18	CS-209	GRADE CROSSING DOWNEY AVE & SOMERSET BLVD PLAN
19	CS-210	GRADE CROSSING LAKEWOOD BLVD PLAN
20	CS-211	GRADE CROSSING CLARK AVE & ALONDRA BLVD PLAN
21	CS-212	GRADE CROSSING BELLFLOWER BLVD PLAN
22	CS-213	GRADE CROSSING FLOWER ST & WOODRUFF AVE PLAN
23	CS-214	PRIVATE GRADE CROSSINGS PRIVATE DRIVE PLAN
24	CS-215	GRADE CROSSING ARTESIA BLVD & STUDEBAKER RD PLAN
25	CS-216	GRADE CROSSING GRIDLEY/183RD PLAN
26	CS-217	GRADE CROSSING 186TH ST & 187TH ST LOCALLY PREFERRED ALTERNATIVE
27	CS-218	GRADE CROSSING 186TH ST & 187TH ST OPTION 1
28	CS-219	GRADE CROSSING PIONEER BLVD PLAN

SHT NO	DWG NO	DWG TITLE
<b>INTERSECTION</b>		
29	T-001	INTERSECTION ALAMEDA ST (NORTH) PLAN
30	T-002	INTERSECTION ALAMEDA ST (SOUTH) PLAN
31	T-003	INTERSECTION GAGE AVE (WEST) PLAN
32	T-004	INTERSECTION GAGE AVE (EAST) PLAN
33	T-005	INTERSECTION BELL AVE PLAN
34	T-006	INTERSECTION GARDENDALE ST (WEST) PLAN
35	T-007	INTERSECTION GARDENDALE ST (EAST) PLAN
36	T-008	INTERSECTION SOMERSET BLVD PLAN
37	T-009	INTERSECTION ALONDRA BLVD PLAN
38	T-010	INTERSECTION LOS ANGELES ST PLAN
39	T-011	INTERSECTION ARTESIA BLVD PLAN
40	T-012	INTERSECTION STUDEBAKER RD PLAN
41	T-013	INTERSECTION PIONEER BLVD PLAN


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**FINAL ACE SUBMITTAL - 3/17/23**

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1	3/17/2023					FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY JS
DRAWN BY SM
CHECKED BY TC
IN CHARGE RL
DATE 3/17/2023

SEAL HOLDER
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 <b>Metro</b>	<b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>	
	 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	SUBMITTED _____ APPROVED _____

<b>WEST SANTA ANA BRANCH LRT GENERAL</b>  INDEX	
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CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>G-002</b>	REV
SCALE	
SHEET NO <b>1 OF 41</b>	

**NOT FOR CONSTRUCTION**

### LIST OF ABBREVIATIONS

AVE	AVENUE
BLVD	BOULEVARD
CL	CENTERLINE
C&S	COMMUNICATIONS AND SIGNALS
CIR	CIRCLE
CPUC	CALIFORNIA PUBLIC UTILITIES COMMISSION
DWG	DRAWING
DWY	DRIVEWAY
EB	EASTBOUND
EXIST	EXISTING
FLS	FIRE LIFE SAFETY
HORIZ	HORIZONTAL
HWY	HIGHWAY
I	INTERSTATE
LRT	LIGHT RAIL TRANSIT
LT	LEFT
MSF	MAINTENANCE AND STORAGE FACILITIES
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
N	NORTH
NB	NORTHBOUND
NO	NUMBER
OH	OVERHEAD
PL	PLACE, PLANADE
R/W	RIGHT-OF-WAY
RD	ROAD
RR	RAILROAD
RT	RIGHT
S	SOUTH
SB	SOUTHBOUND
SHT	SHEET
ST	STREET
SW	SIDEWALK
TC&C	TRAIN CONTROL AND COMMUNICATIONS
TPSS	TRACTION POWER SUBSTATION
TYP	TYPICAL
VAR	VARIES
WB	WESTBOUND
WSAB	WEST SANTA ANA BRANCH


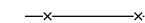

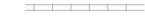
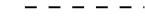






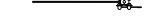

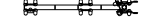

### GENERAL NOTES

- DESIGN IS CONCEPTUAL IN NATURE, FOR PURPOSE OF ESTABLISHING ENVIRONMENTAL FOOTPRINT AND GAINING INFORMAL CONCURRENCE FROM CPUC ON GRADE CROSSING TREATMENTS. NEXT STEPS INCLUDE PRELIMINARY AND FINAL DESIGN, AND CPUC APPLICATIONS.
- FURTHER COORDINATION REQUIRED WITH PROJECTS AS LISTED:  
RAIL TO RAIL/RIVER CORRIDOR SEGMENT A AND B, I-710 CORRIDOR BIKE PATH PROJECT, HOLLYDALE VILLAGE SPECIFIC PLAN, RANCHO LOS AMIGOS RE-DEVELOPMENT, BELLFLOWER-PARAMOUNT JOINT BIKE AND TRAIL MASTER PLAN.
- COORDINATION NEEDED WITH FREIGHT RAILROADS AND CALTRANS.
- REFER TO REVISED ADVANCED CONCEPTUAL ENGINEERING ALIGNMENT DRAWINGS DATED 3/17/2023 FOR ALIGNMENT DESIGN.
- SIGNAGE TO CONFORM TO THE LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. DETAILS TO BE DEVELOPED DURING FUTURE DESIGN PHASE.
- MAINTENANCE PARKING ASSUMED TO BE ADJACENT TO CROSSING HOUSES. DETAILS FOR MAINTENANCE PARKING TO BE DEVELOPED DURING FUTURE DESIGN PHASE.
- EXISTING PROPERTY LINES ARE APPROXIMATE.
- MAXIMUM VEHICLE GATE ARM LENGTH IS 32' FOR FREIGHT AND 35' FOR LRT. MINIMUM DISTANCE FROM TRACK CENTERLINE TO ANY OBSTACLE IS 10'. MINIMUM DISTANCE FROM TRACK CENTERLINE TO VEHICLE AND PEDESTRIAN GATE MAST IS 12'.
- TRUCK TURN RESTRICTIONS WILL BE REQUIRED AT THE FOLLOWING LOCATIONS:  
- PACIFIC BLVD/RANDOLPH ST NB TO EB RIGHT TURN MOVEMENT  
- SEVILLE AVE/RANDOLPH ST NB TO EB RIGHT TURN MOVEMENT  
- SEVILLE AVE/RANDOLPH ST SB TO WB RIGHT TURN MOVEMENT  
- SEVILLE AVE/RANDOLPH ST SB TO EB LEFT TURN MOVEMENT (SU-40 ONLY)  
- MILES AVE/RANDOLPH ST WB TO SB LEFT TURN MOVEMENT (SU-40 ONLY)  
- OTIS AVE/SALT LAKE AVE NB TO EB RIGHT TURN MOVEMENT  
- SANTA ANA AVE/SALT LAKE AVE WB TO NB RIGHT TURN MOVEMENT  
- SANTA ANA AVE/SALT LAKE AVE EB TO SB RIGHT TURN MOVEMENT  
- ARDINE ST/SALT LAKE AVE WB TO NB RIGHT TURN MOVEMENT  
- ARDINE ST/SALT LAKE AVE EB TO SB RIGHT TURN MOVEMENT
- DESIGN OF THE PROJECT WILL COMPLY WITH APPLICABLE STATE, LOCAL, AND CITY REQUIREMENTS. COORDINATION WITH INDIVIDUAL AGENCIES AND JURISDICTIONS WILL CONTINUE THROUGHOUT DESIGN REGARDING CHANGES OR ANY EXCEPTIONS TO CODES.

### SIGNAGE LEGEND

- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL



### SYMBOLOLOGY LEGEND

-  PROPOSED RETAINING WALL
-  PROPOSED FENCE LINE
-  PROPOSED SOUND WALL
-  EXIST FREIGHT TRACK
-  PROPOSED RELOCATED FREIGHT TRACK
-  EXIST PROPERTY LINE
-  PROPOSED LRT TRACK CENTERLINE
-  PROPOSED TRAFFIC SIGNAL
-  EXIST SIGNALIZATION
-  PROPOSED QUEUE CUTTER
-  PEDESTRIAN GATE W/ FLASHING LIGHTS AND PEDESTRIAN SWING GATE
-  CPUC STD 9 (9-E WHEN INSTALLED AS EXIT GATE)
-  CPUC STD 8-A
-  CPUC STD 9-A W/ MOUNTED TRAFFIC SIGNAL
-  RR CROSSING PAVEMENT MARKERS

15-DEC-2023 E-28091AG03.plt  
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#### FINAL ACE SUBMITTAL - 3/17/23

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 JS
							DRAWN BY SM
							CHECKED BY TC
							IN CHARGE RL
							DATE 3/17/2023
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	3/17/2023						FINAL ACE SUBMITTAL

 <b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>
 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

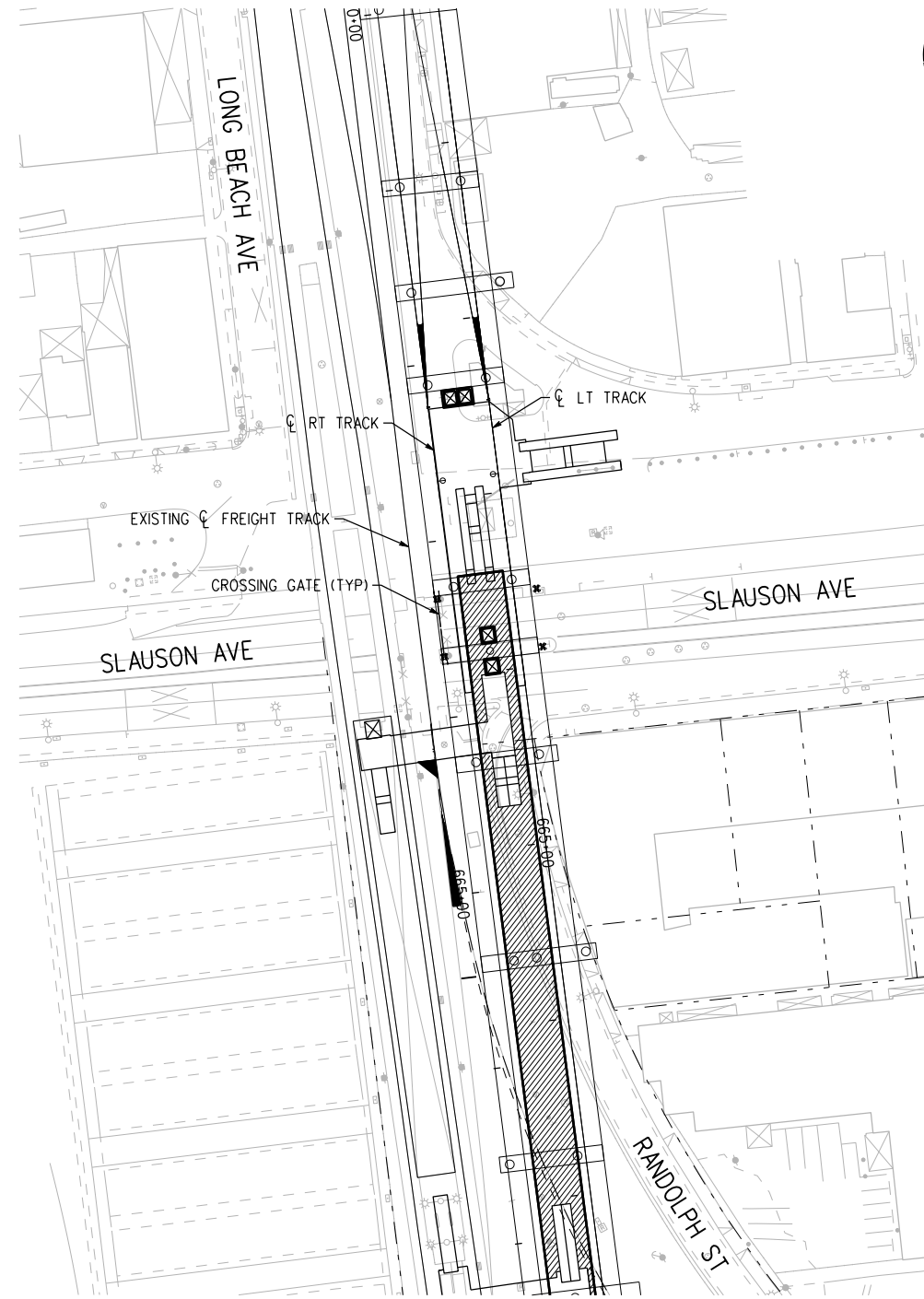
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**NOT FOR CONSTRUCTION**

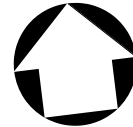
WEST SANTA ANA BRANCH LRT  
GENERAL  
ABBREVIATIONS, GENERAL NOTES,  
AND LEGENDS

CONTRACT NO. <b>AE5999300</b>
DRAWING NO. <b>G-003</b>
SCALE <b>NO SCALE</b>
SHEET NO. <b>2 OF 41</b>

15-DEC-2023 E-28091ACS101.plg  
 wsdpw14-pw-svc 16:01



SLAUSON ST GRADE CROSSING



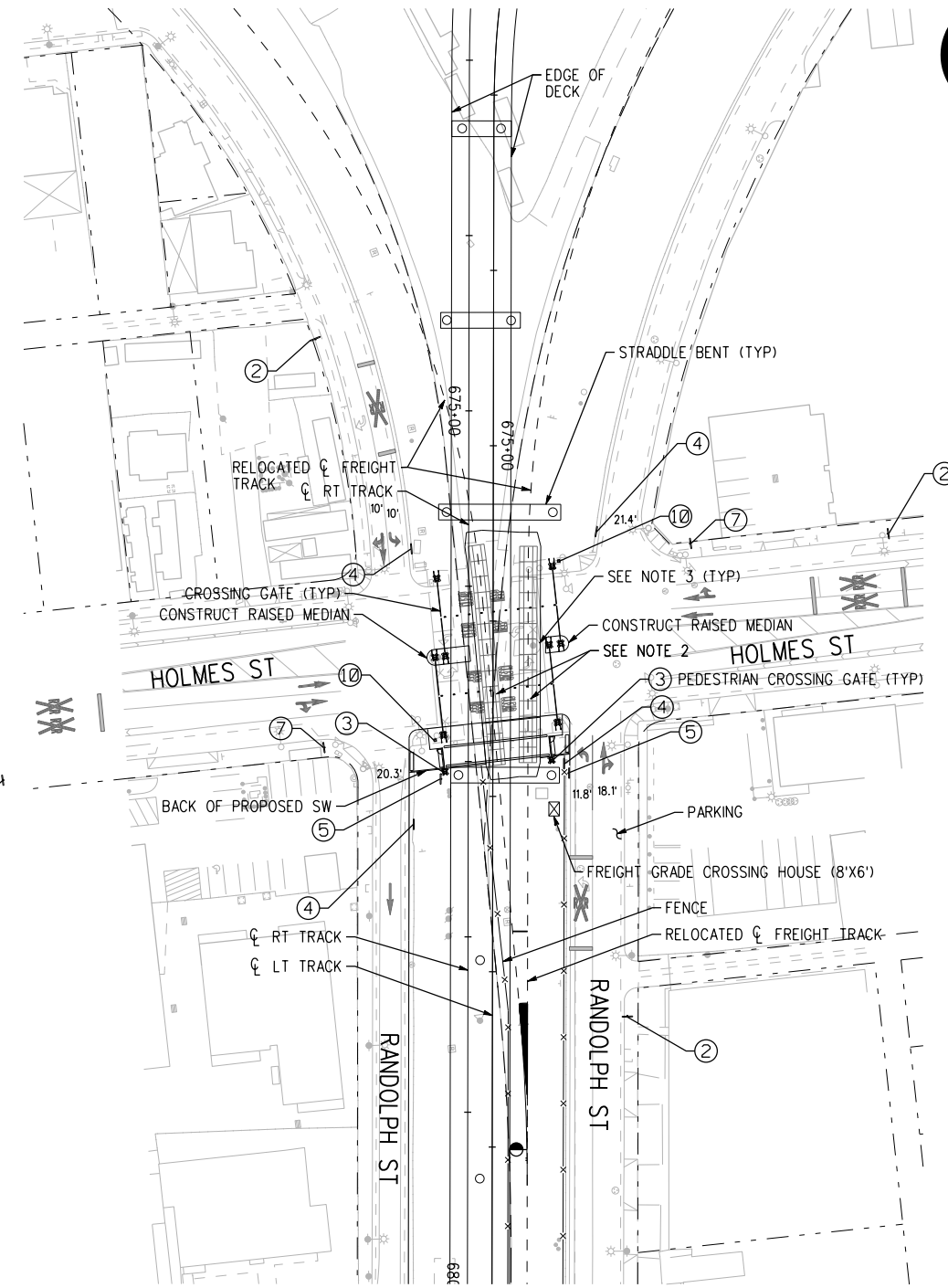
NOTES:

1. APPROXIMATE LOCATION IS 200 FEET. TOPO WOULD BE PROVIDED IN FUTURE DESIGN PHASE.
2. LRT TRACKS GRADE SEPARATED ABOVE INTERSECTION. GRADE CROSSING IS OF FREIGHT TRACKS ONLY.
3. METRO, CPUC, AND COUNTY OF LA TO COORDINATE ON WHETHER TO RELOCATE EXISTING MEDIANS, OR USE LONG CROSSING GATE ARMS.
4. CANTILEVERS AND MOUNTED SIGNAL HEADS REMOVED FOLLOWING COORDINATION WITH CPUC AND UPRR.

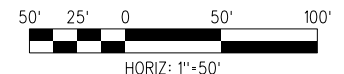
SIGNAGE LEGEND

- ① MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ② MUTCD W10-1 PASSIVE SIGN
- ③ PEDESTRIAN "DO NOT ENTER CROSSING"
- ④ "NO TRESPASSING"
- ⑤ MUTCD R15-8 "LOOK"
- ⑥ MUTCD R1-2 "YIELD"
- ⑦ MUTCD R8-8 "DO NOT STOP ON TRACKS"
- ⑧ TRAIN-ACTIVATED LED MUTCD R8-8
- ⑨ CANTILEVER-MOUNTED RAILROAD FLASHER
- ⑩ TRAFFIC SIGNAL DESIGN AND PHASING TO BE DETERMINED IN FUTURE DESIGN PHASE

SEE NOTE 1 ②



HOLMES ST/RANDOLPH ST GRADE CROSSING



NOT FOR CONSTRUCTION

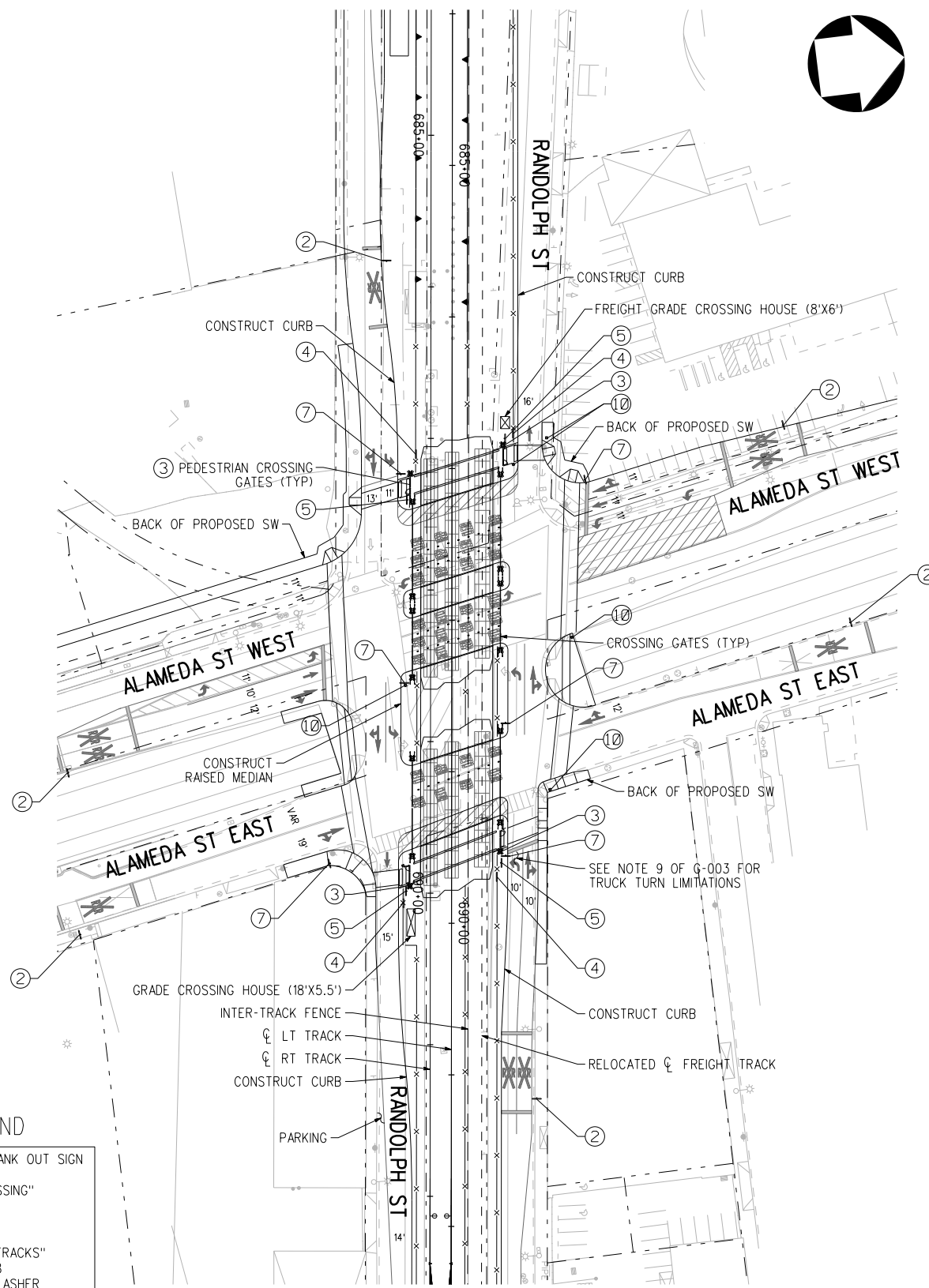
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		DRAWN BY DC
		CHECKED BY SM
		IN CHARGE RL
		DATE 10/20/2023
3	10/20/2023	REVISED FINAL ACE SUBMITTAL
REV	DATE	BY
		APP
		REG NO.
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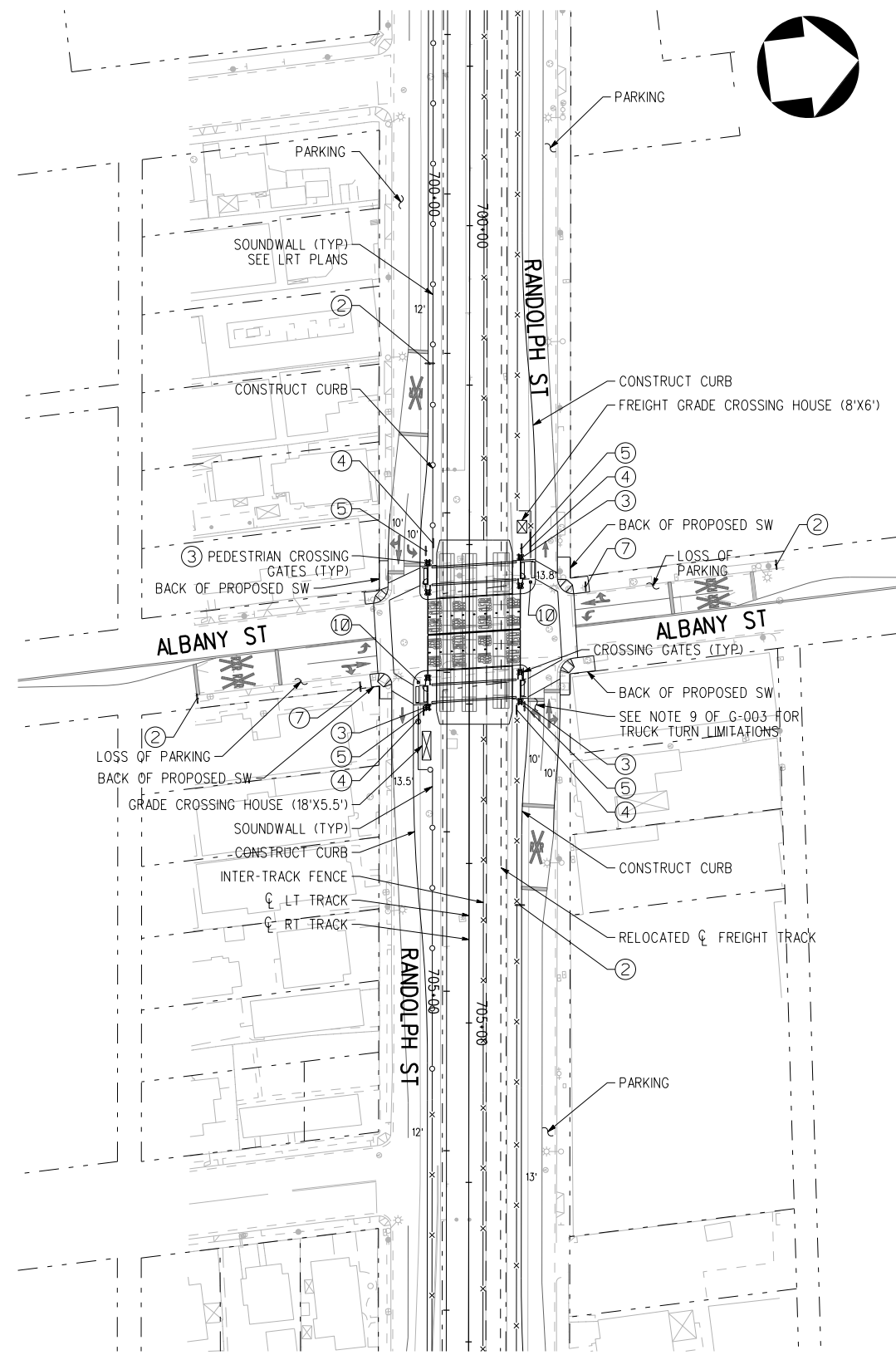
<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>	<p>515 South Figueroa Street Suite 1400 Los Angeles, CA 90071</p>
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	<p>SUBMITTED _____</p> <p>APPROVED _____</p>
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<p>WEST SANTA ANA BRANCH LRT GRADE CROSSING SLAUSON AVE &amp; HOLMES AVE PLAN</p>	<p>CONTRACT NO AE5999300</p> <p>DRAWING NO CS-101</p> <p>SCALE HOR: 1"=50'</p> <p>SHEET NO 3 OF 41</p>
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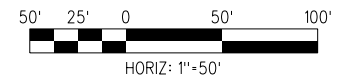
ALAMEDA ST/RANDOLPH ST GRADE CROSSING



ALBANY ST/RANDOLPH ST GRADE CROSSING

SIGNAGE LEGEND

- ① MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ② MUTCD W10-1 PASSIVE SIGN
- ③ PEDESTRIAN "DO NOT ENTER CROSSING"
- ④ "NO TRESPASSING"
- ⑤ MUTCD R15-8 "LOOK"
- ⑥ MUTCD R1-2 "YIELD"
- ⑦ MUTCD R8-8 "DO NOT STOP ON TRACKS"
- ⑧ TRAIN-ACTIVATED LED MUTCD R8-8
- ⑨ CANTILEVER-MOUNTED RAILROAD FLASHER
- ⑩ TRAFFIC SIGNAL DESIGN AND PHASING TO BE DETERMINED IN FUTURE DESIGN PHASE



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REVISED FINAL ACE SUBMITTAL - 10/20/23

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3	10/20/2023	DRAWN BY DC
REV	DATE	CHECKED BY SM
BY	APP	IN CHARGE RL
REG NO.	EXPIRES	DATE 10/20/2023
SEAL HOLDER	DESCRIPTION	
	REVISED FINAL ACE SUBMITTAL	

DESIGNED BY JS
DRAWN BY DC
CHECKED BY SM
IN CHARGE RL
DATE 10/20/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

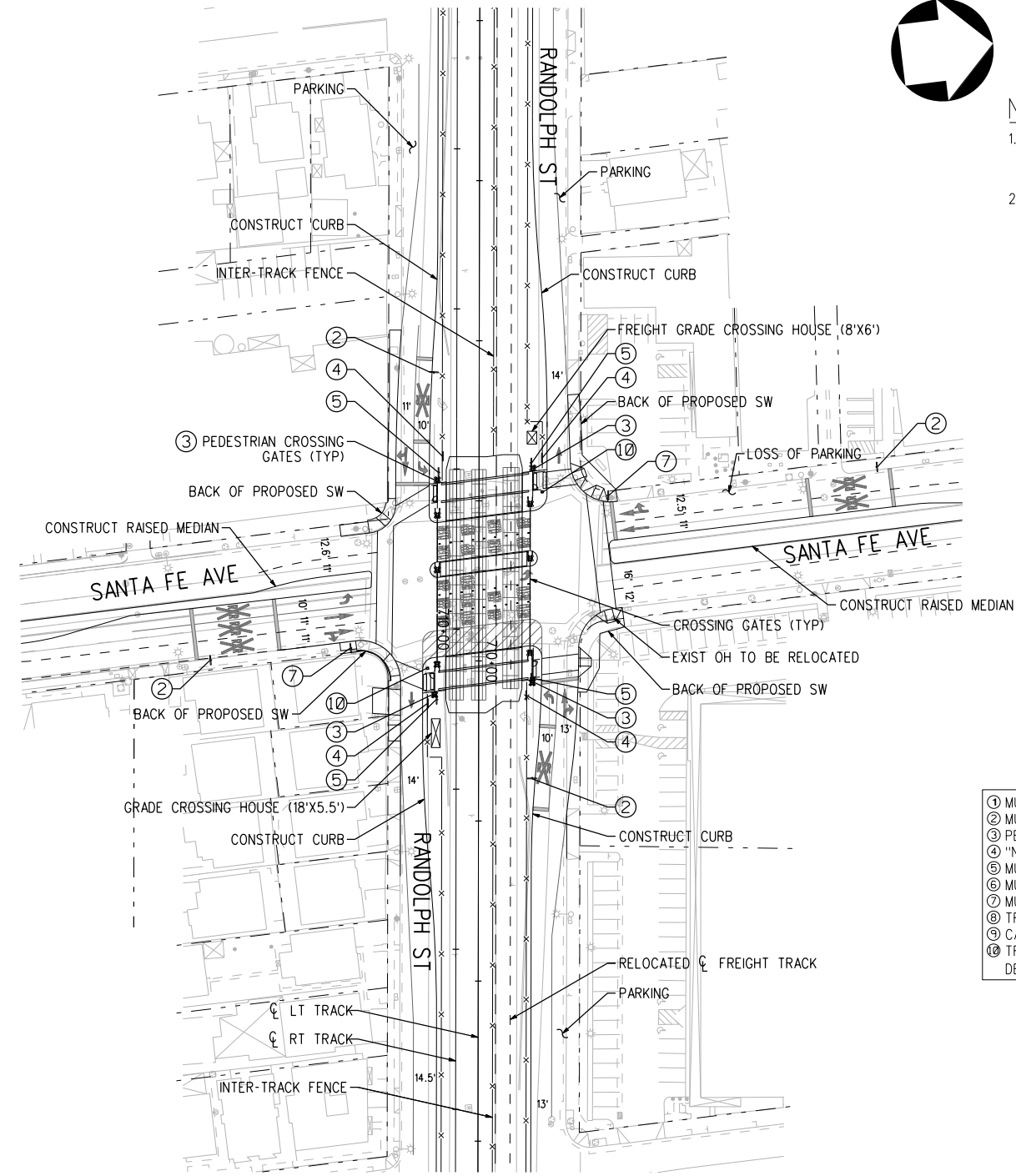
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
GRADE CROSSING  
ALAMEDA ST & ALBANY ST  
PLAN**

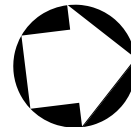
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DRAWING NO. <b>CS-102</b>	
SCALE HOR: 1"=50'	
SHEET NO. 4	OF 41

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SANTA FE AVE/RANDOLPH ST GRADE CROSSING

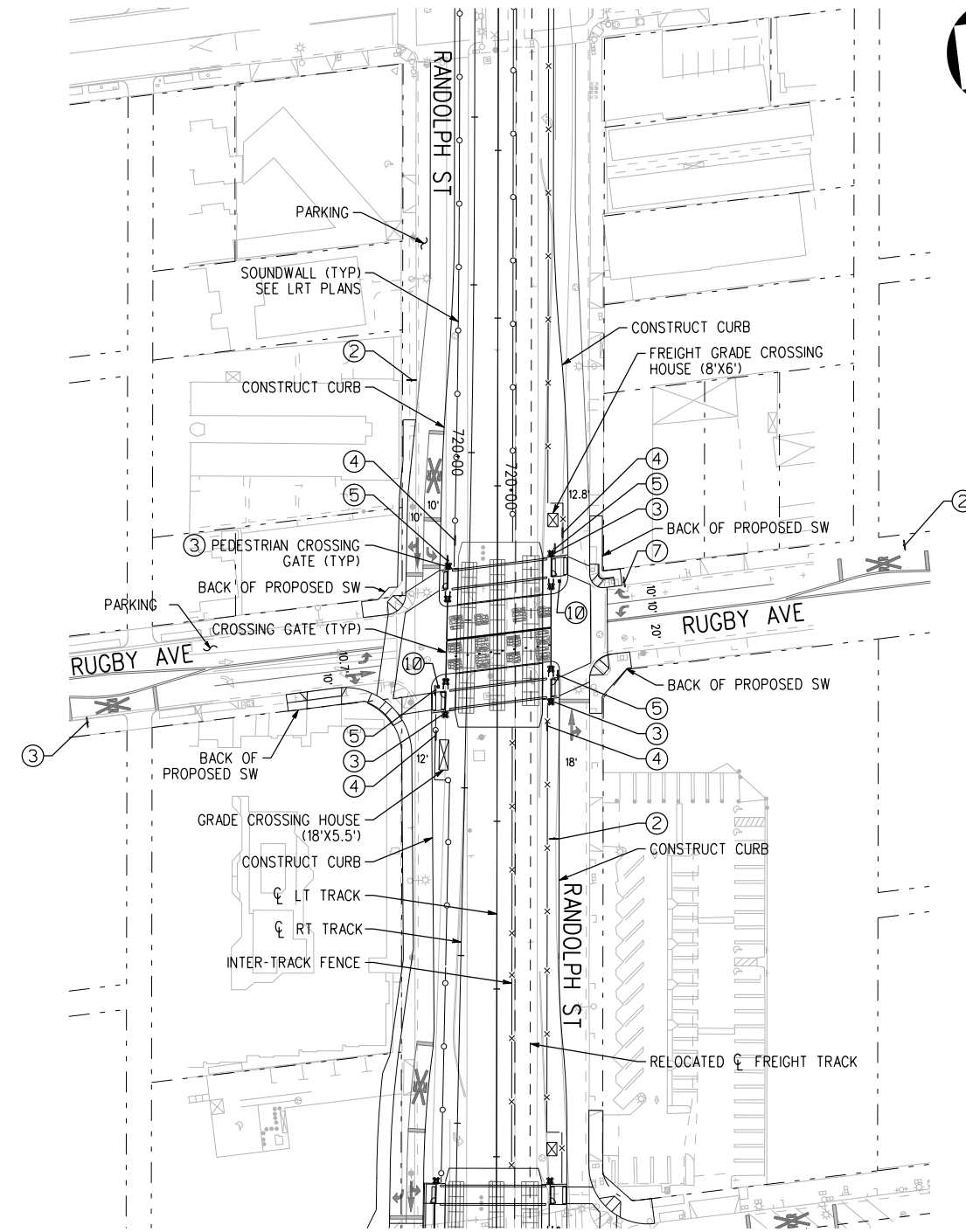


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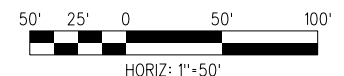
1. APPROXIMATE LOCATION IS 200 FEET. TOPO WOULD BE PROVIDED IN FUTURE DESIGN PHASE.
2. METRO, CPUC, AND COUNTY OF LA TO COORDINATE ON WHETHER TO RELOCATE EXISTING MEDIANS, OR USE LONG CROSSING GATE ARMS.

SIGNAGE LEGEND

- ① MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ② MUTCD W10-1 PASSIVE SIGN
- ③ PEDESTRIAN "DO NOT ENTER CROSSING"
- ④ "NO TRESPASSING"
- ⑤ MUTCD R15-8 "LOOK"
- ⑥ MUTCD R1-2 "YIELD"
- ⑦ MUTCD R8-8 "DO NOT STOP ON TRACKS"
- ⑧ TRAIN-ACTIVATED LED MUTCD R8-8
- ⑨ CANTILEVER-MOUNTED RAILROAD FLASHER
- ⑩ TRAFFIC SIGNAL DESIGN AND PHASING TO BE DETERMINED IN FUTURE DESIGN PHASE



RUGBY AVE/RANDOLPH ST GRADE CROSSING



NOT FOR CONSTRUCTION

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3	10/20/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY JS
DRAWN BY EH
CHECKED BY SM
IN CHARGE RL
DATE 10/20/2023

**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

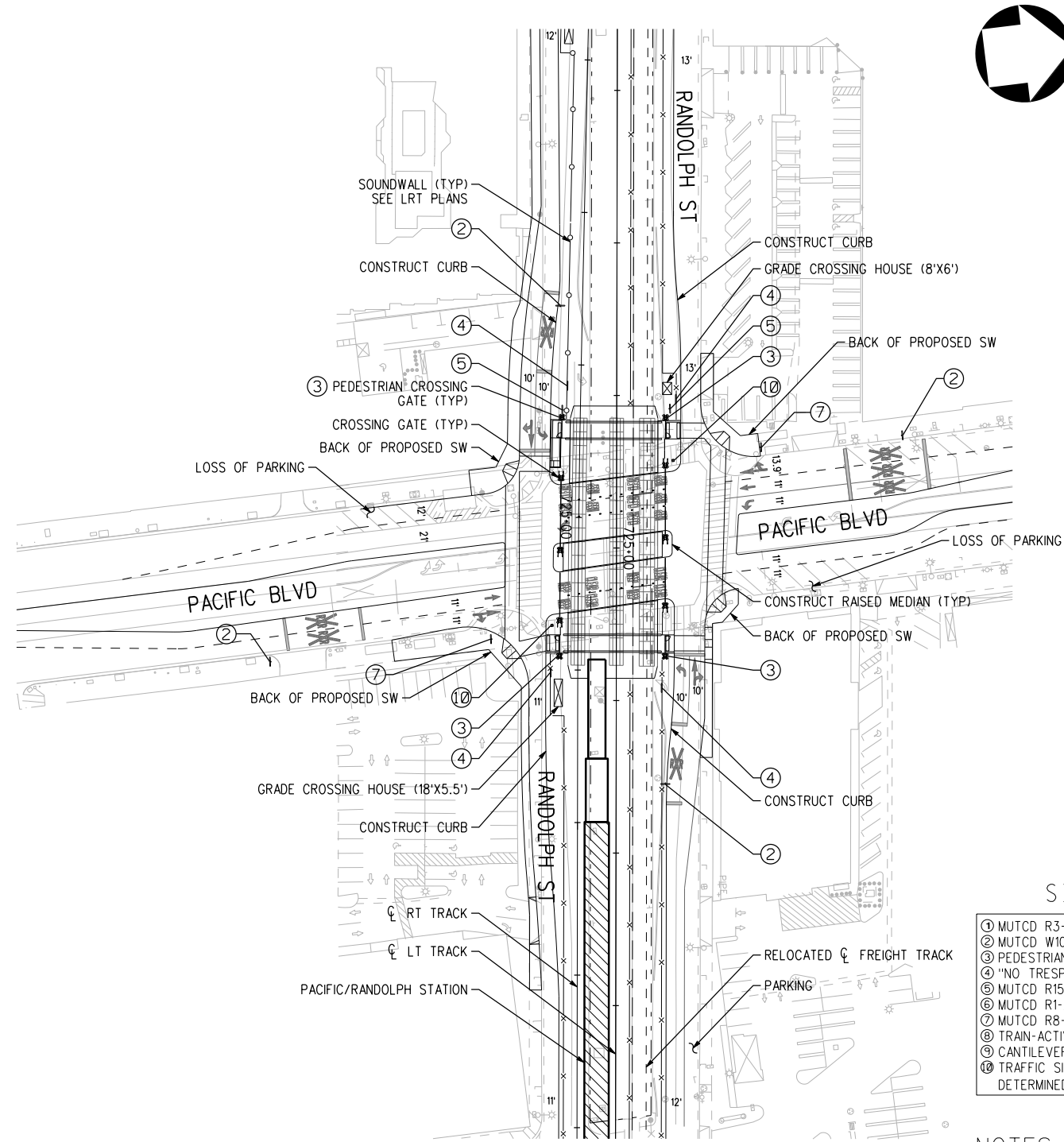
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
 GRADE CROSSING  
 SANTA FE AVE & RUGBY AVE  
 PLAN

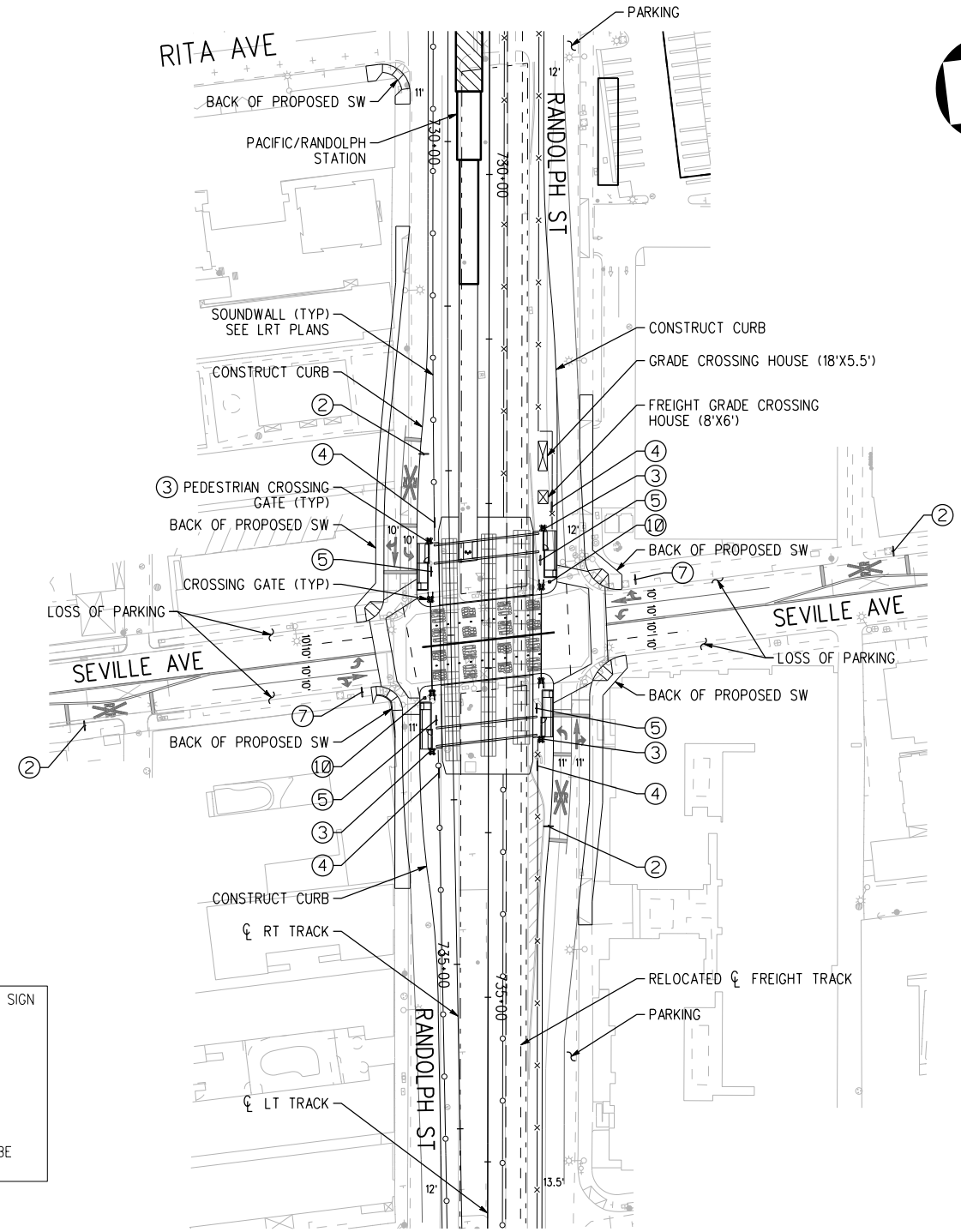
CONTRACT NO. AE5999300
DRAWING NO. CS-103
SCALE HOR: 1"=50'
SHEET NO. 5 OF 41

18-DEC-2023 E-28091ACS104.plg

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PACIFIC BLVD/RANDOLPH ST GRADE CROSSING



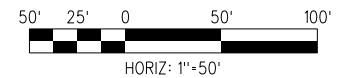
SEVILLE AVE/RANDOLPH ST GRADE CROSSING

SIGNAGE LEGEND

- ① MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ② MUTCD W10-1 PASSIVE SIGN
- ③ PEDESTRIAN "DO NOT ENTER CROSSING"
- ④ "NO TRESPASSING"
- ⑤ MUTCD R15-8 "LOOK"
- ⑥ MUTCD R1-2 "YIELD"
- ⑦ MUTCD R8-8 "DO NOT STOP ON TRACKS"
- ⑧ TRAIN-ACTIVATED LED MUTCD R8-8
- ⑨ CANTILEVER-MOUNTED RAILROAD FLASHER
- ⑩ TRAFFIC SIGNAL DESIGN AND PHASING TO BE DETERMINED IN FUTURE DESIGN PHASE

NOTES:

- 1. SEE NOTE 9 OF G-003 FOR TRUCK TURN LIMITATIONS AT PACIFIC AVE AND SEVILLE AVE.



NOT FOR CONSTRUCTION

REVISED FINAL ACE SUBMITTAL - 10/20/23

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3	10/20/2023	DRAWN BY DC		DRAWING NO. <b>CS-104</b>
REV	DATE	CHECKED BY SM		SCALE <b>HOR: 1"=50'</b>
BY	APP	IN CHARGE RL		SHEET NO. <b>6 OF 41</b>
REG NO.	EXPIRES	DATE 10/20/2023		
SEAL HOLDER	DESCRIPTION			

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

515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

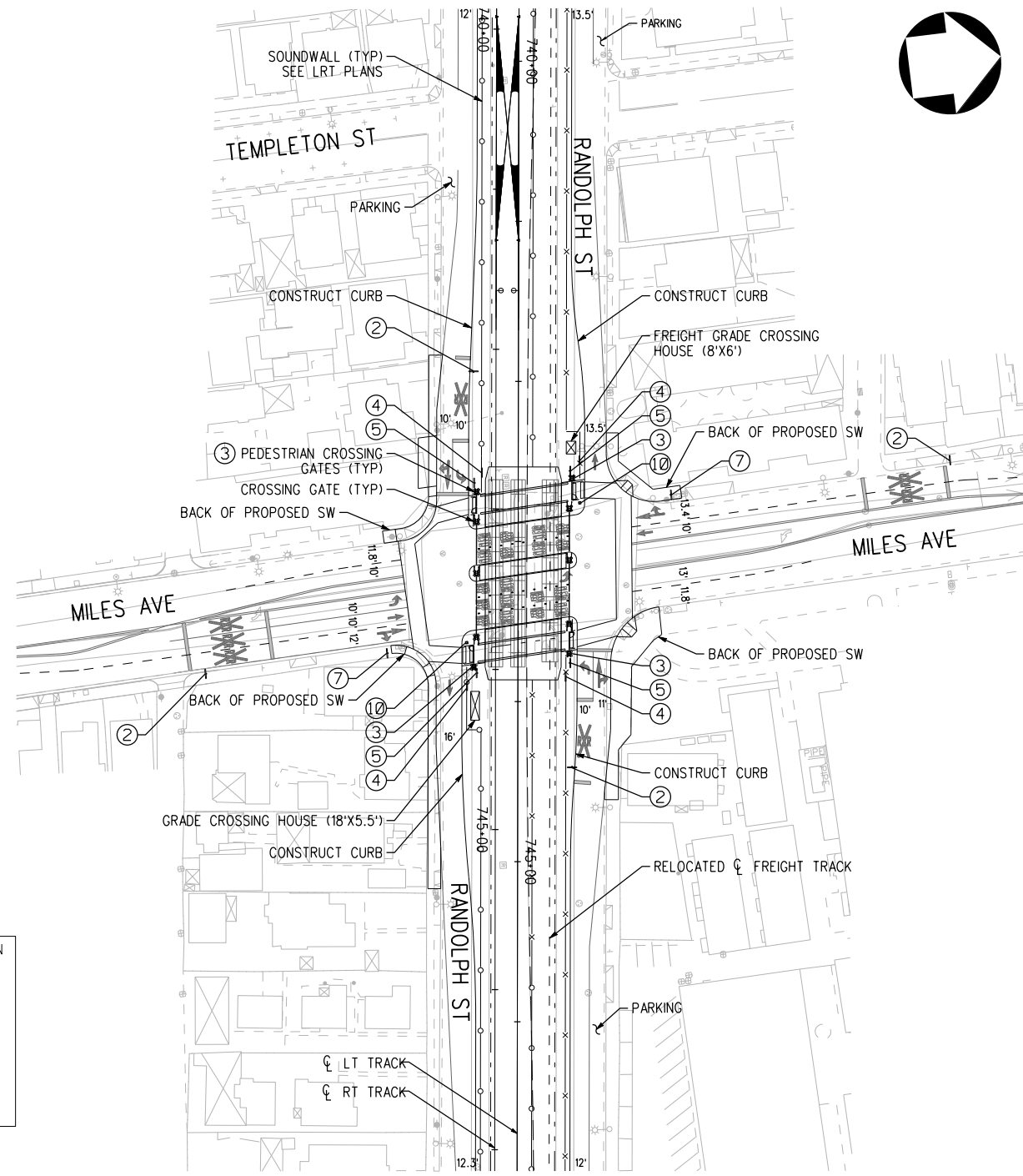
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
GRADE CROSSING  
PACIFIC BLVD & SEVILLE AVE  
PLAN**



18-DEC-2023 E-28091ACS105.plg

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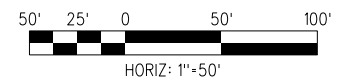
**SIGNAGE LEGEND**

- ① MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ② MUTCD W10-1 PASSIVE SIGN
- ③ PEDESTRIAN "DO NOT ENTER CROSSING"
- ④ "NO TRESPASSING"
- ⑤ MUTCD R15-8 "LOOK"
- ⑥ MUTCD R1-2 "YIELD"
- ⑦ MUTCD R8-8 "DO NOT STOP ON TRACKS"
- ⑧ TRAIN-ACTIVATED LED MUTCD R8-8
- ⑨ CANTILEVER-MOUNTED RAILROAD FLASHER
- ⑩ TRAFFIC SIGNAL DESIGN AND PHASING TO BE DETERMINED IN FUTURE DESIGN PHASE

**NOTES:**

1. SEE NOTE 9 OF G-003 FOR TRUCK TURN LIMITATIONS AT MILES AVE.

**MILES AVE/RANDOLPH ST GRADE CROSSING**



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		DRAWN BY TC	
		CHECKED BY SM	
		IN CHARGE RL	
		DATE 10/20/2023	
3	10/20/2023		REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	DESCRIPTION

REG NO.	EXPIRES	SEAL HOLDER

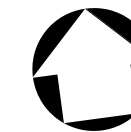
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

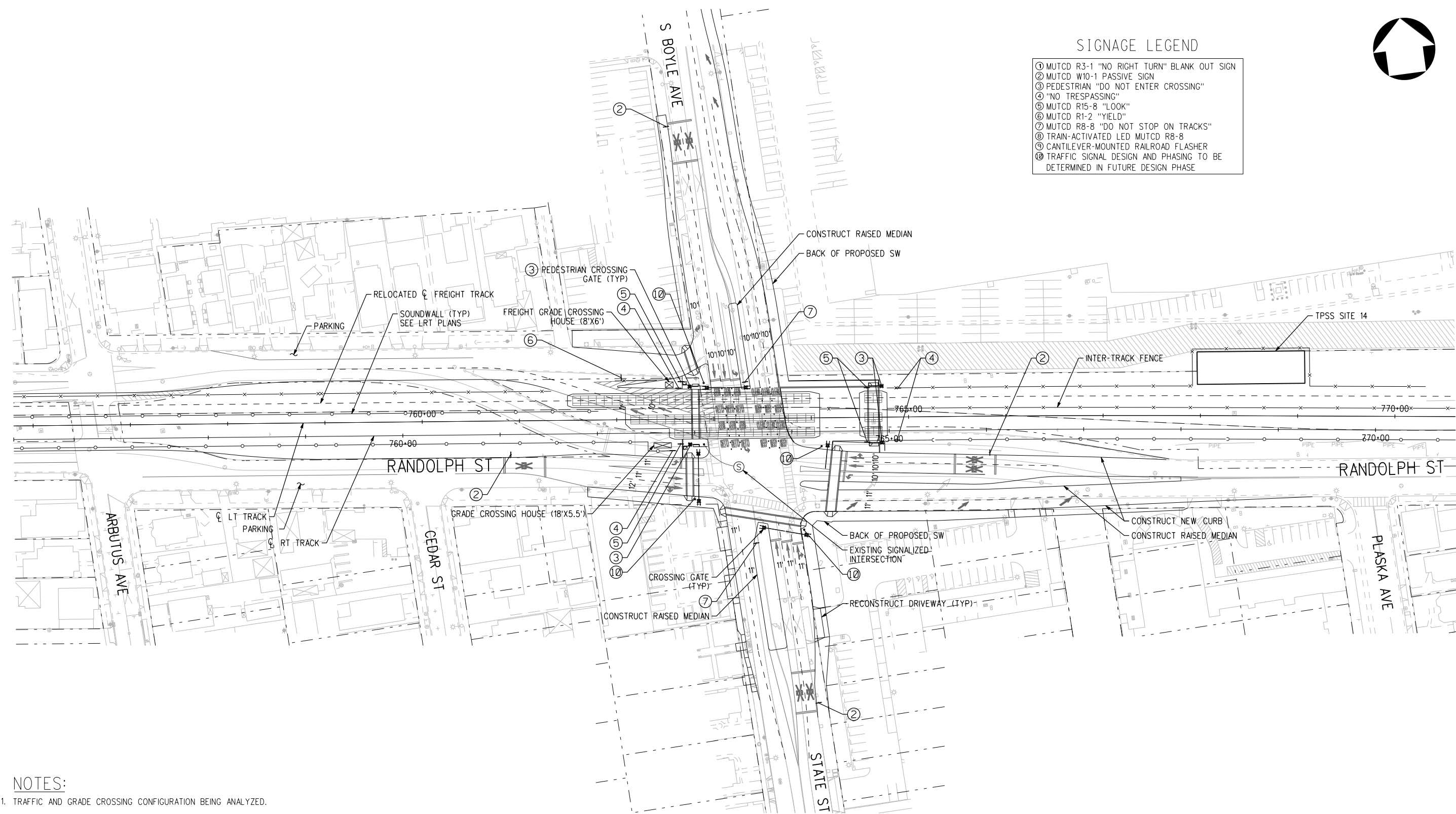
APPROVED \_\_\_\_\_

<b>WEST SANTA ANA BRANCH LRT GRADE CROSSING MILES AVE PLAN</b>		CONTRACT NO. <b>AE5999300</b>
DRAWING NO. <b>CS-105</b>	REV	
SCALE HOR: 1"=50'		
SHEET NO. 7	OF	41



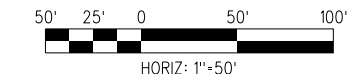
### SIGNAGE LEGEND

- ① MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ② MUTCD W10-1 PASSIVE SIGN
- ③ PEDESTRIAN "DO NOT ENTER CROSSING"
- ④ "NO TRESPASSING"
- ⑤ MUTCD R15-8 "LOOK"
- ⑥ MUTCD R1-2 "YIELD"
- ⑦ MUTCD R8-8 "DO NOT STOP ON TRACKS"
- ⑧ TRAIN-ACTIVATED LED MUTCD R8-8
- ⑨ CANTILEVER-MOUNTED RAILROAD FLASHER
- ⑩ TRAFFIC SIGNAL DESIGN AND PHASING TO BE DETERMINED IN FUTURE DESIGN PHASE



### NOTES:

1. TRAFFIC AND GRADE CROSSING CONFIGURATION BEING ANALYZED.
2. R3-2A SIGN WILL BE MOUNTED TO SIGNAL MAST ARMS OR RR GATES. DETAILS TO BE PROVIDED IN SUBSEQUENT DESIGN PACKAGE.



## STATE ST/RANDOLPH ST GRADE CROSSING

### NOT FOR CONSTRUCTION

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REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
3	10/20/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY	JS
DRAWN BY	TC
CHECKED BY	SM
IN CHARGE	RL
DATE	10/20/2023

**Metro**

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

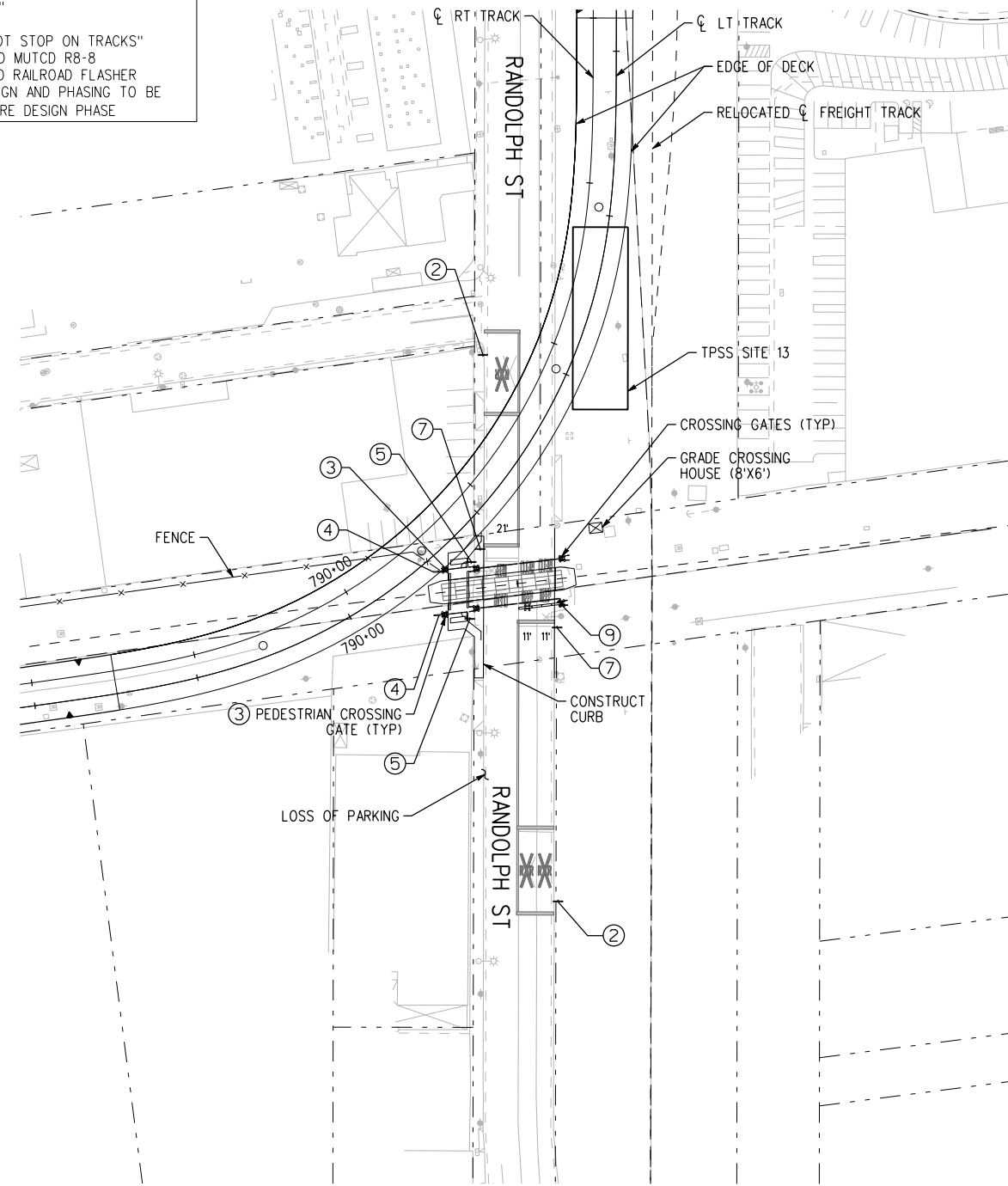
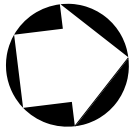
APPROVED \_\_\_\_\_

<b>WEST SANTA ANA BRANCH LRT</b>		CONTRACT NO.	AE5999300
<b>GRADE CROSSING</b>		DRAWING NO.	CS-106
<b>STATE ST</b>		SCALE	HOR: 1"=50'
<b>PLAN</b>		SHEET NO.	8 OF 41

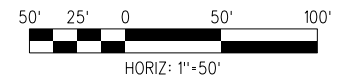
15-DEC-2023 E-28091ACS106.plg  
wspw14-pw-svc 16:01

SIGNAGE LEGEND

- ① MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ② MUTCD W10-1 PASSIVE SIGN
- ③ PEDESTRIAN "DO NOT ENTER CROSSING"
- ④ "NO TRESPASSING"
- ⑤ MUTCD R15-8 "LOOK"
- ⑥ MUTCD R1-2 "YIELD"
- ⑦ MUTCD R8-8 "DO NOT STOP ON TRACKS"
- ⑧ TRAIN-ACTIVATED LED MUTCD R8-8
- ⑨ CANTILEVER-MOUNTED RAILROAD FLASHER
- ⑩ TRAFFIC SIGNAL DESIGN AND PHASING TO BE DETERMINED IN FUTURE DESIGN PHASE





RANDOLPH ST GRADE CROSSING



**NOT FOR CONSTRUCTION**

REVISED FINAL ACE SUBMITTAL - 10/20/23

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 JS	 <b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>   515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	SUBMITTED _____						
		DRAWN BY TC		APPROVED _____						
		CHECKED BY SM								
		IN CHARGE RL								
		DATE 10/20/2023								
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION			
3	10/20/2023						REVISED FINAL ACE SUBMITTAL			

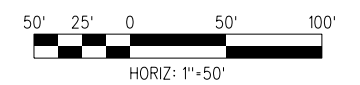
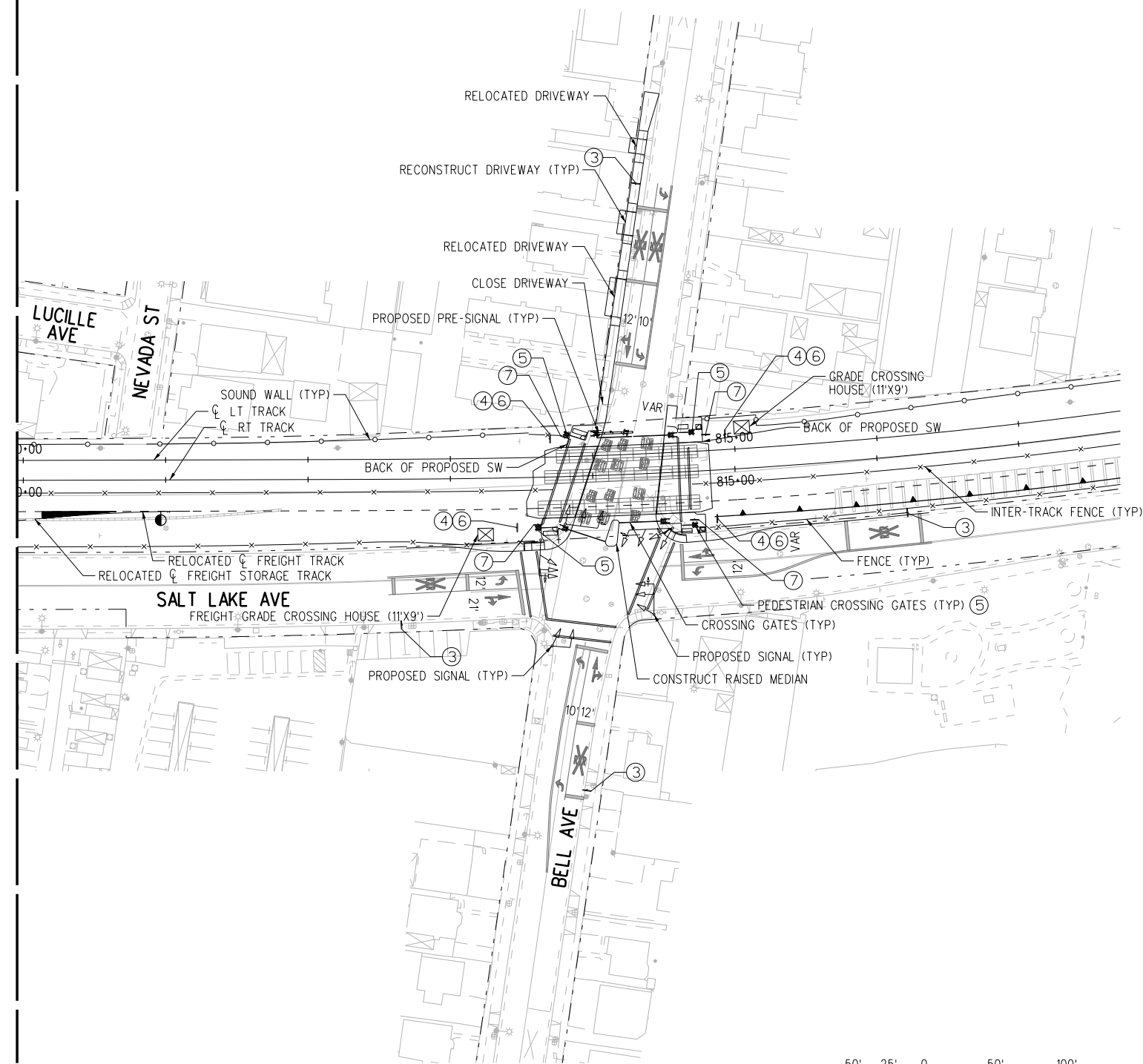
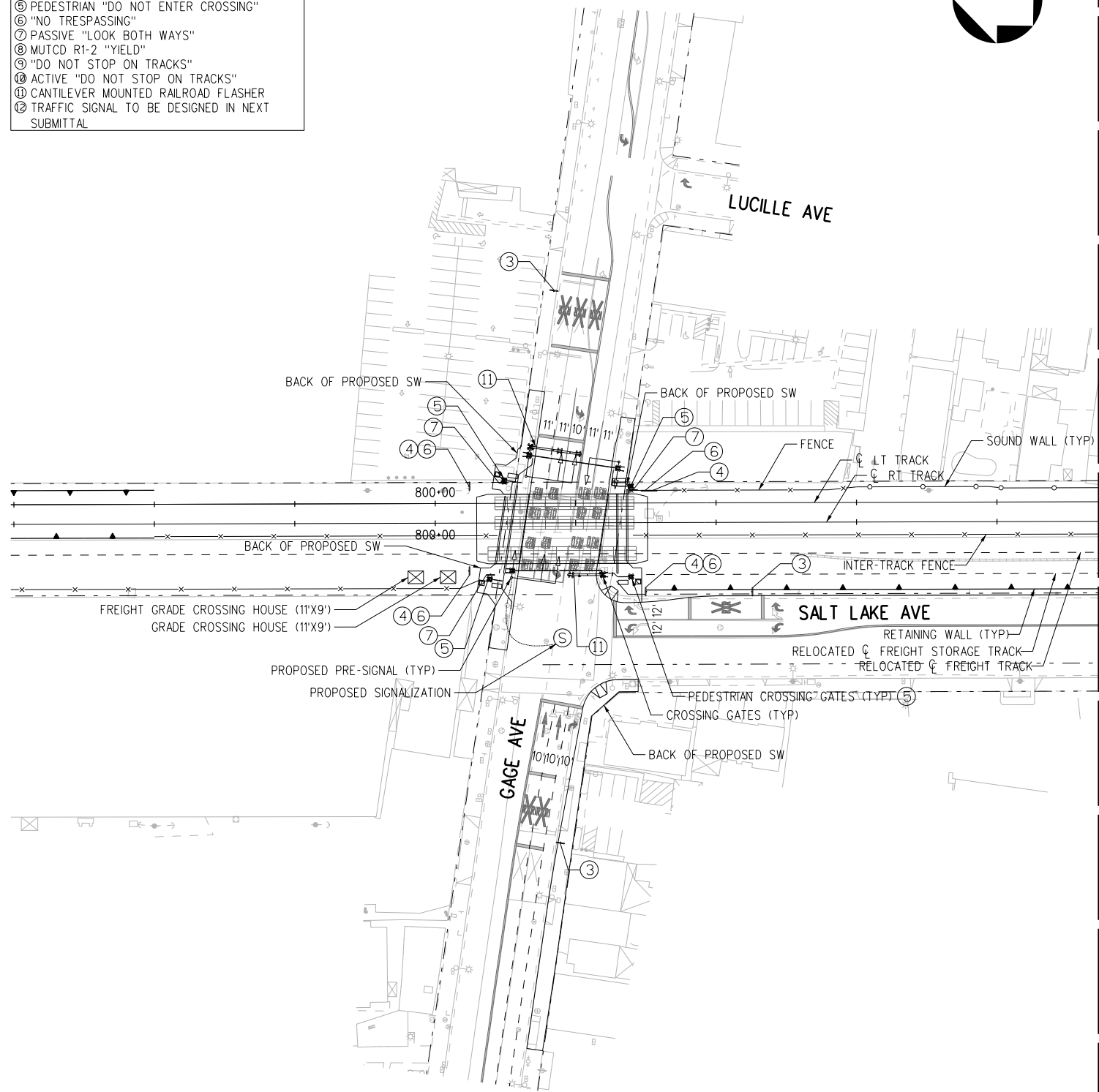
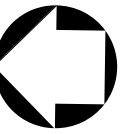
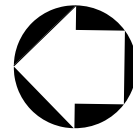
CONTRACT NO.	AE5999300
DRAWING NO.	CS-107
SCALE	HOR: 1"=50'
SHEET NO.	9 OF 41

**WEST SANTA ANA BRANCH LRT  
GRADE CROSSING  
RANDOLPH ST  
PLAN**

15-DEC-2023 E-28091ACS107.plg  
wsppw14-pw-svc 16:00

SIGNAGE LEGEND

- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL



NOTES:  
1. LRT GRADE CROSSING EQUIPMENT TO BE LOCATED WITHIN TRAIN CONTROL HOUSE.

FINAL ACE SUBMITTAL - 3/17/23

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 JS					
		DRAWN BY DC					
		CHECKED BY SM					
		IN CHARGE RL					
		DATE 3/17/2023					
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
2	3/17/2023						FINAL ACE SUBMITTAL



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

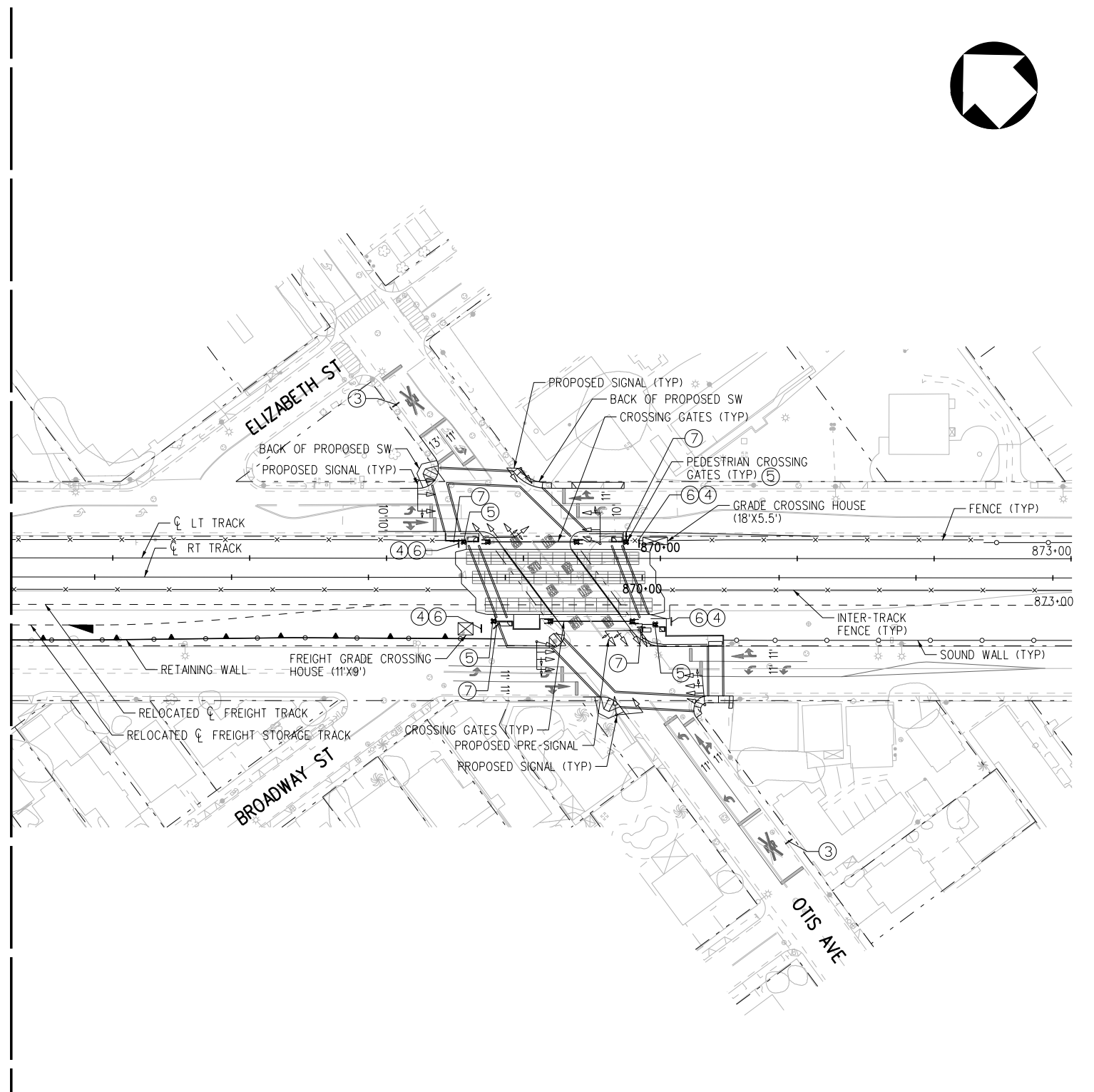
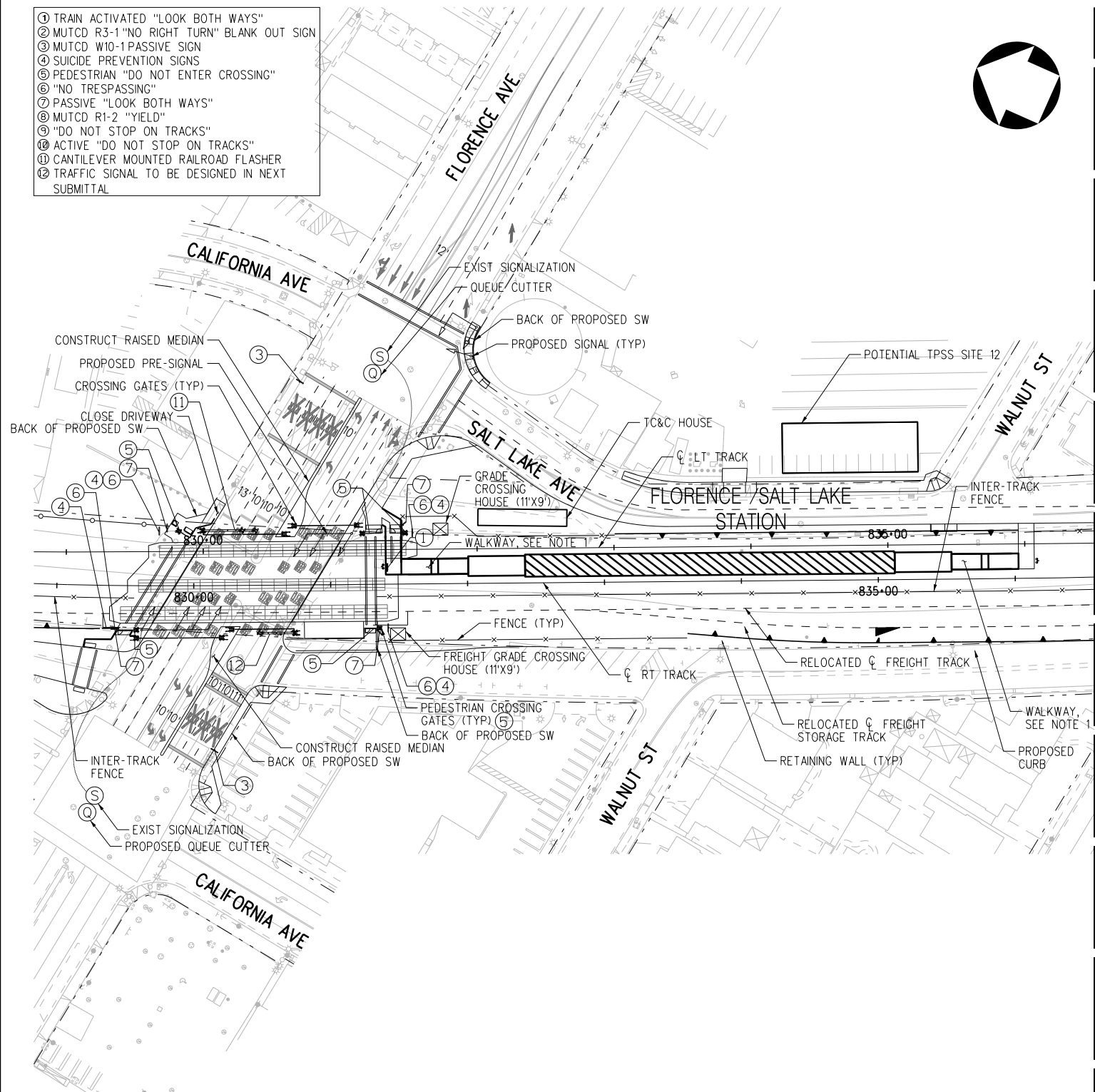
WEST SANTA ANA BRANCH LRT  
GRADE CROSSING  
GAGE AVE & BELL AVE  
PLAN

CONTRACT NO	AE5999300
DRAWING NO	CS-201
SCALE	HOR: 1"=50'
SHEET NO	10 OF 41

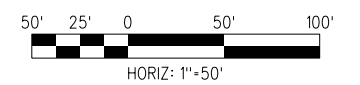
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wspw14\_pw-svc 16:00  
Plot Driver=MTA-half.pen Pentable=bw.plt

### SIGNAGE LEGEND

- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL



- NOTES:**
1. PROTECTION OF PEDESTRIAN GRADE CROSSING AND STATION ACCESS TO BE DETERMINED IN LATER PHASE.
  2. LRT CROSSING CONTROLS MAY BE ACCOMMODATED IN STATION TC&C HOUSE.
  3. SEE NOTE 9 OF G-003 FOR TRUCK TURN LIMITATIONS FOR OTIS AVE.



**NOT FOR CONSTRUCTION**

**FINAL ACE SUBMITTAL - 3/17/23**

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 JS	
		DRAWN BY TC	
		CHECKED BY SM	
		IN CHARGE RL	
		DATE 3/17/2023	
REV	DATE	BY	APP
2	3/17/2023		
REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
			FINAL ACE SUBMITTAL

DESIGNED BY JS	
DRAWN BY TC	
CHECKED BY SM	
IN CHARGE RL	
DATE 3/17/2023	

**Metro**

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

<b>WEST SANTA ANA BRANCH LRT GRADE CROSSING FLORENCE AVE &amp; OTIS AVE PLAN</b>		CONTRACT NO <b>AE5999300</b>
DRAWING NO <b>CS-202</b>	REV	
SCALE <b>HOR: 1"=50'</b>		
SHEET NO <b>11</b>	OF	<b>41</b>

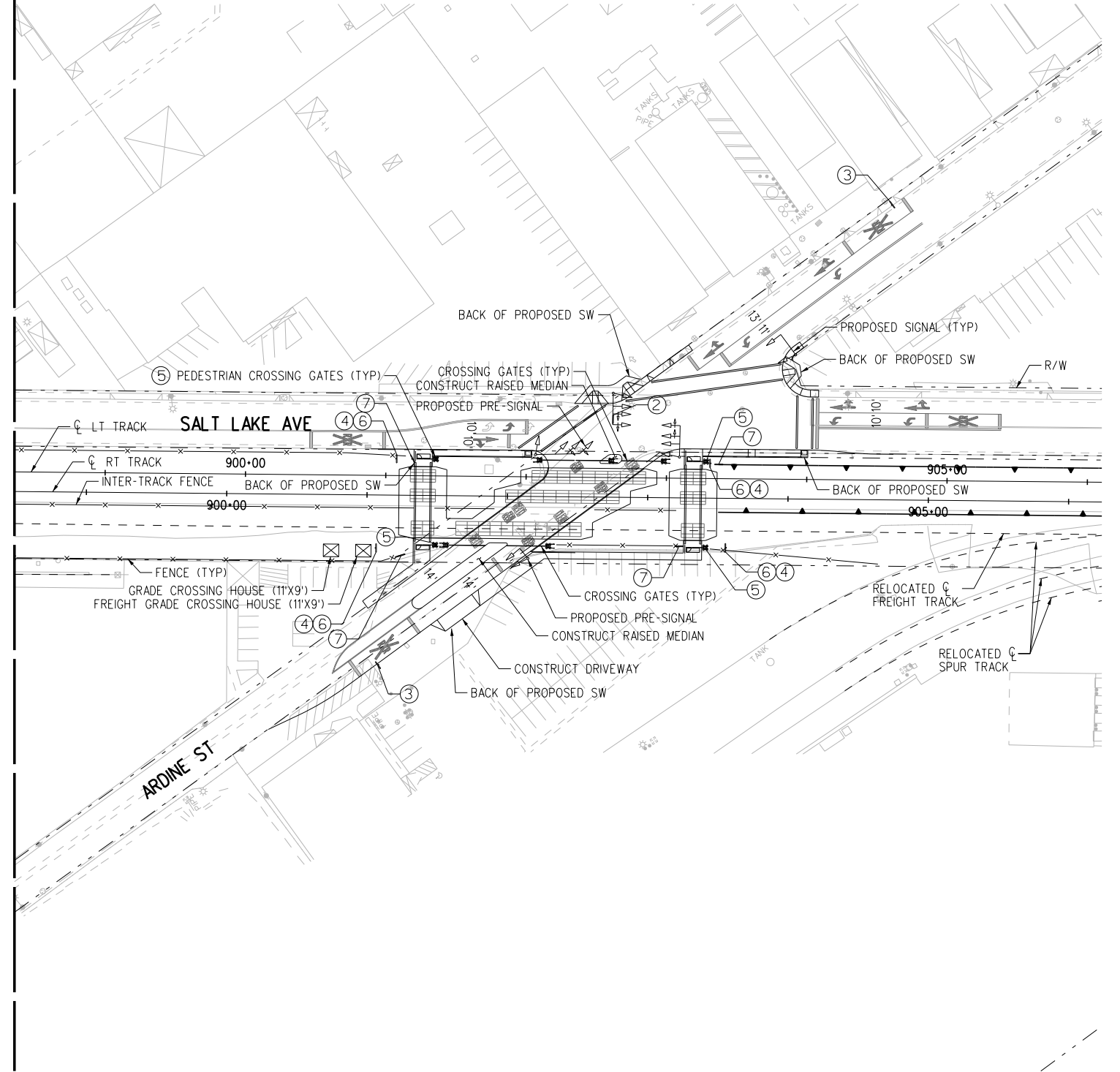
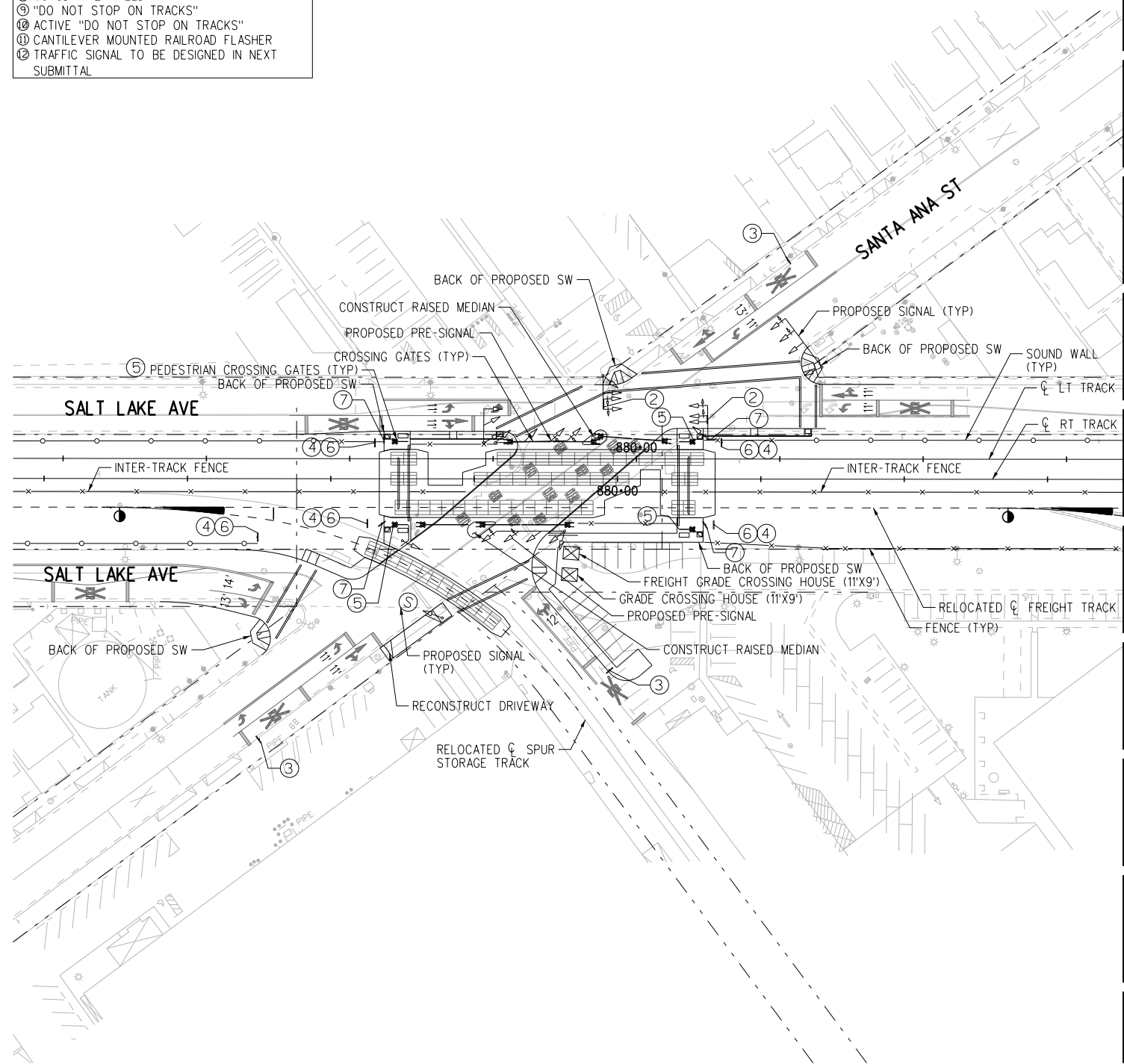
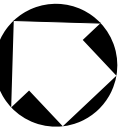
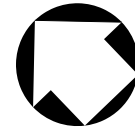
15-DEC-2023 E-28091ACS202.plg  
wsppw14-pw-svc 16:01

**SIGNAGE LEGEND**

- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL

**NOTES:**

- 1. SEE NOTE 9 OF G-003 FOR TRUCK TURN LIMITATIONS AT SANTA ANA ST AND ARDINE ST.



15-DEC-2023 E-28091ACS203.plg

wspw14-pw-svc 16:02

**FINAL ACE SUBMITTAL - 3/17/23**

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
2	3/17/2023						FINAL ACE SUBMITTAL

DESIGNED BY JS
DRAWN BY EH
CHECKED BY SM
IN CHARGE RL
DATE 3/17/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

NOT FOR CONSTRUCTION

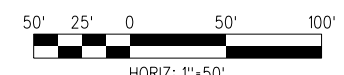
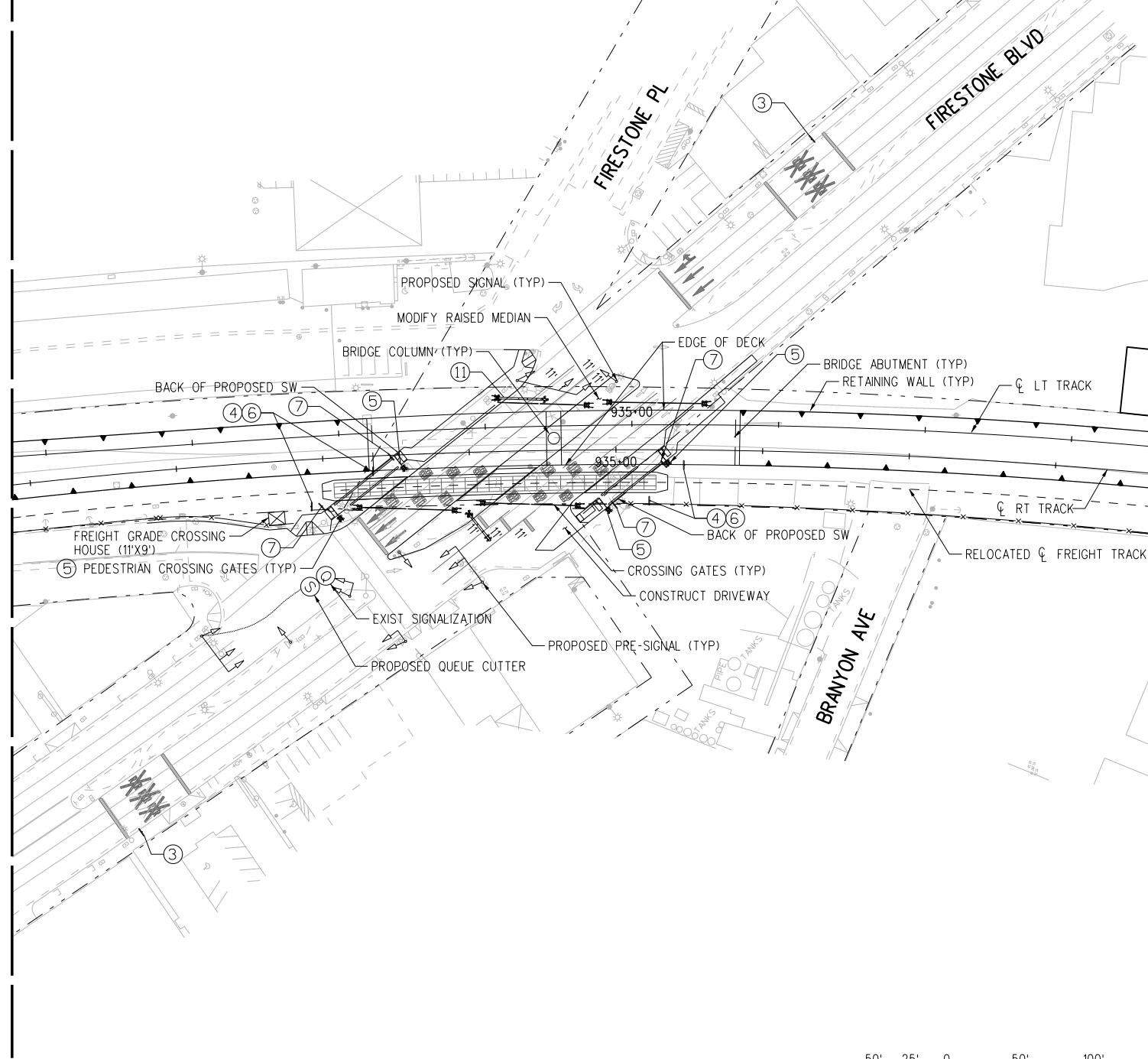
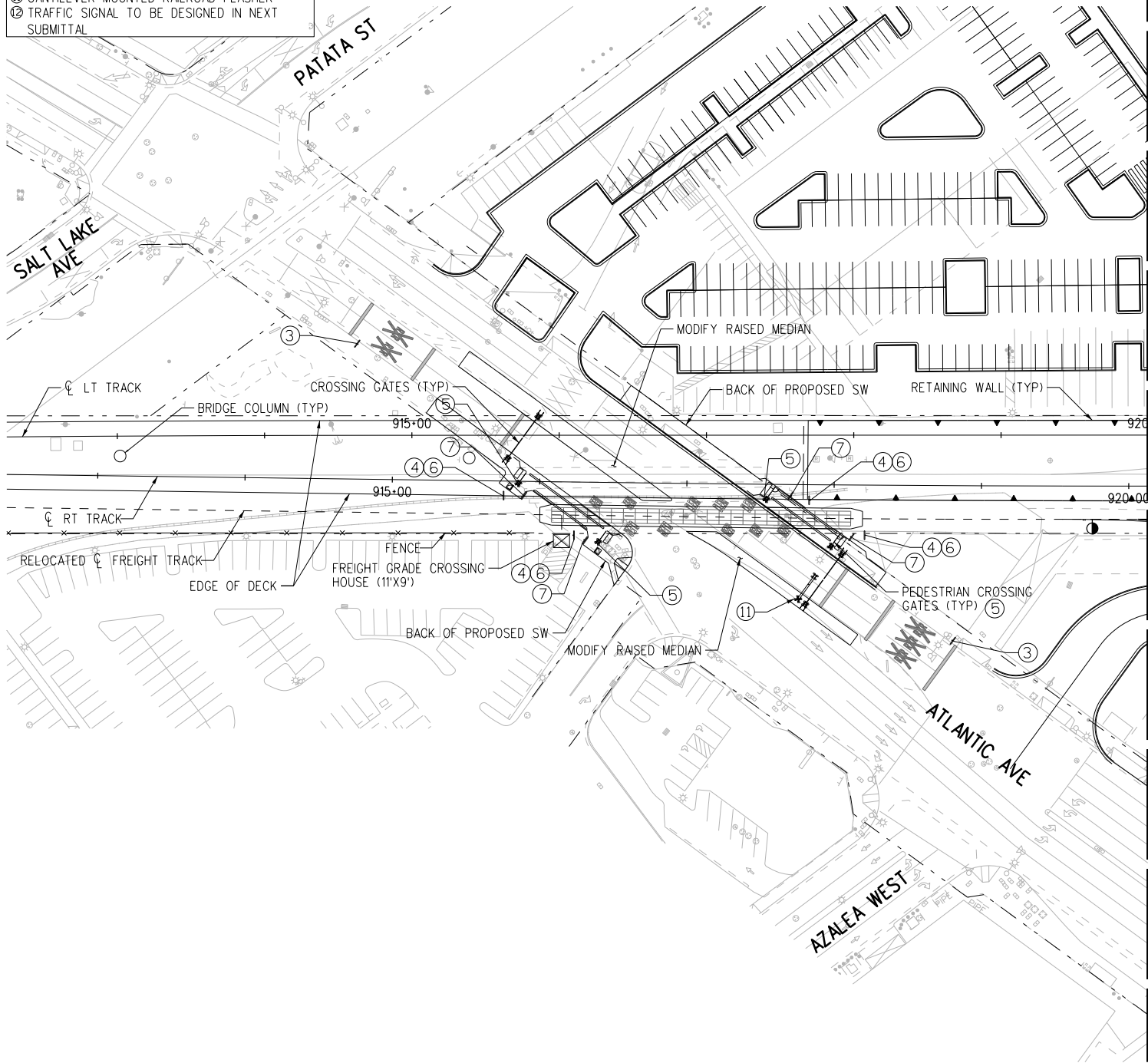
WEST SANTA ANA BRANCH LRT  
GRADE CROSSING  
SANTA ANA ST & ARDINE ST  
PLAN

CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>CS-203</b>	
SCALE <b>HOR: 1"=50'</b>	
SHEET NO. <b>12</b>	OF <b>41</b>



SIGNAGE LEGEND

- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL



**NOT FOR CONSTRUCTION**

FINAL ACE SUBMITTAL - 3/17/23

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 JS
2	3/17/2023	DRAWN BY DC
REV	DATE	CHECKED BY SM
BY	APP	IN CHARGE RL
REG NO.	EXPIRES	DATE 3/17/2023
SEAL HOLDER	DESCRIPTION	
	FINAL ACE SUBMITTAL	

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
GRADE CROSSING  
ATLANTIC AVE & FIRESTONE BLVD  
PLAN

CONTRACT NO  
**AE5999300**

DRAWING NO  
**CS-204**

SCALE  
HOR: 1"=50'

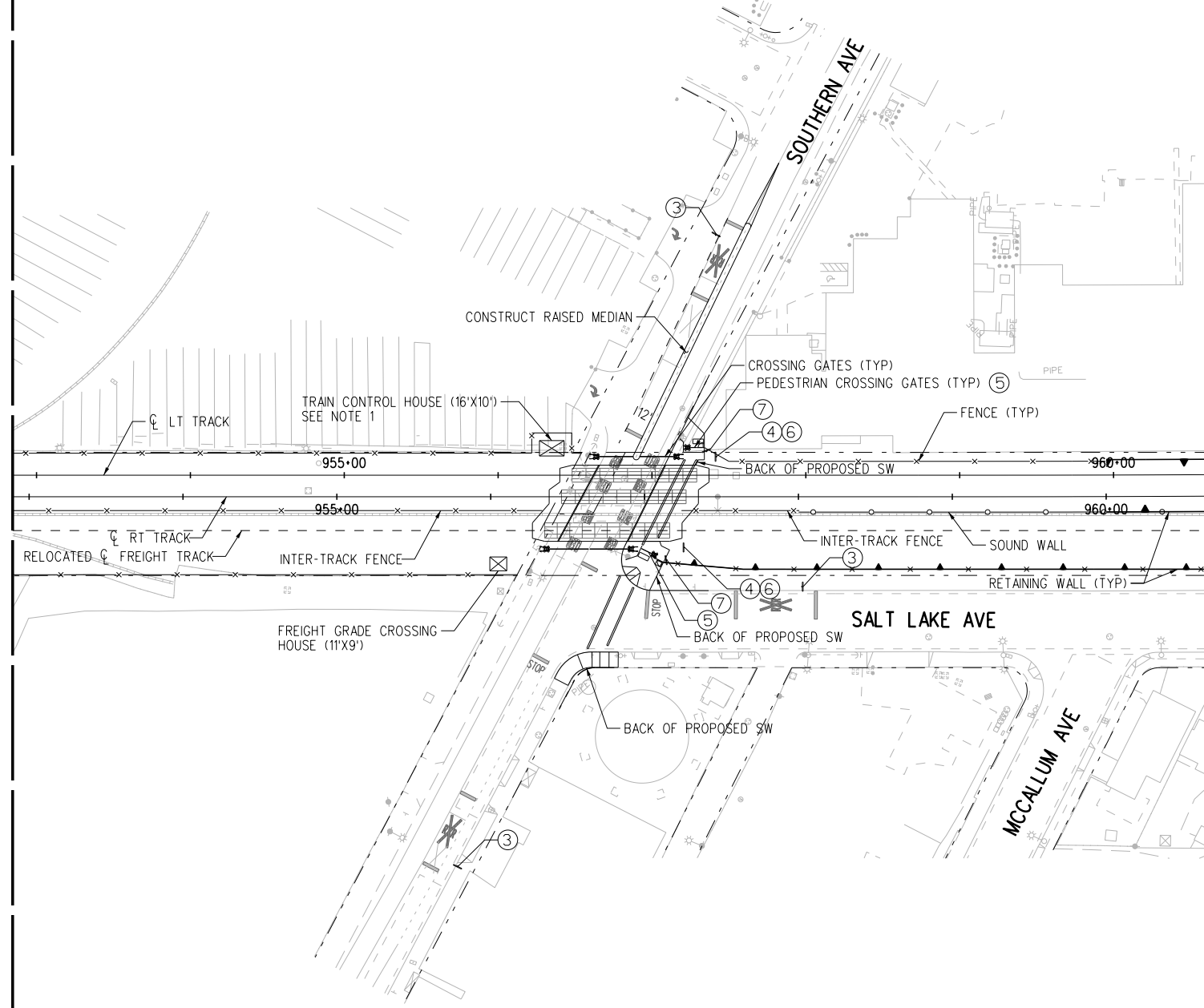
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13 OF 41

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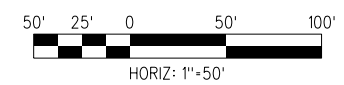


SIGNAGE LEGEND

- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL



NOTES:  
 1. LRT GRADE CROSSING EQUIPMENT TO BE LOCATED WITHIN TRAIN CONTROL HOUSE.



**NOT FOR CONSTRUCTION**

FINAL ACE SUBMITTAL - 3/17/23

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 JS
							DRAWN BY TC
							CHECKED BY SM
							IN CHARGE RL
							DATE 3/17/2023
2	3/17/2023					FINAL ACE SUBMITTAL	
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY JS	
DRAWN BY TC	
CHECKED BY SM	
IN CHARGE RL	
DATE 3/17/2023	

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

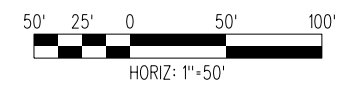
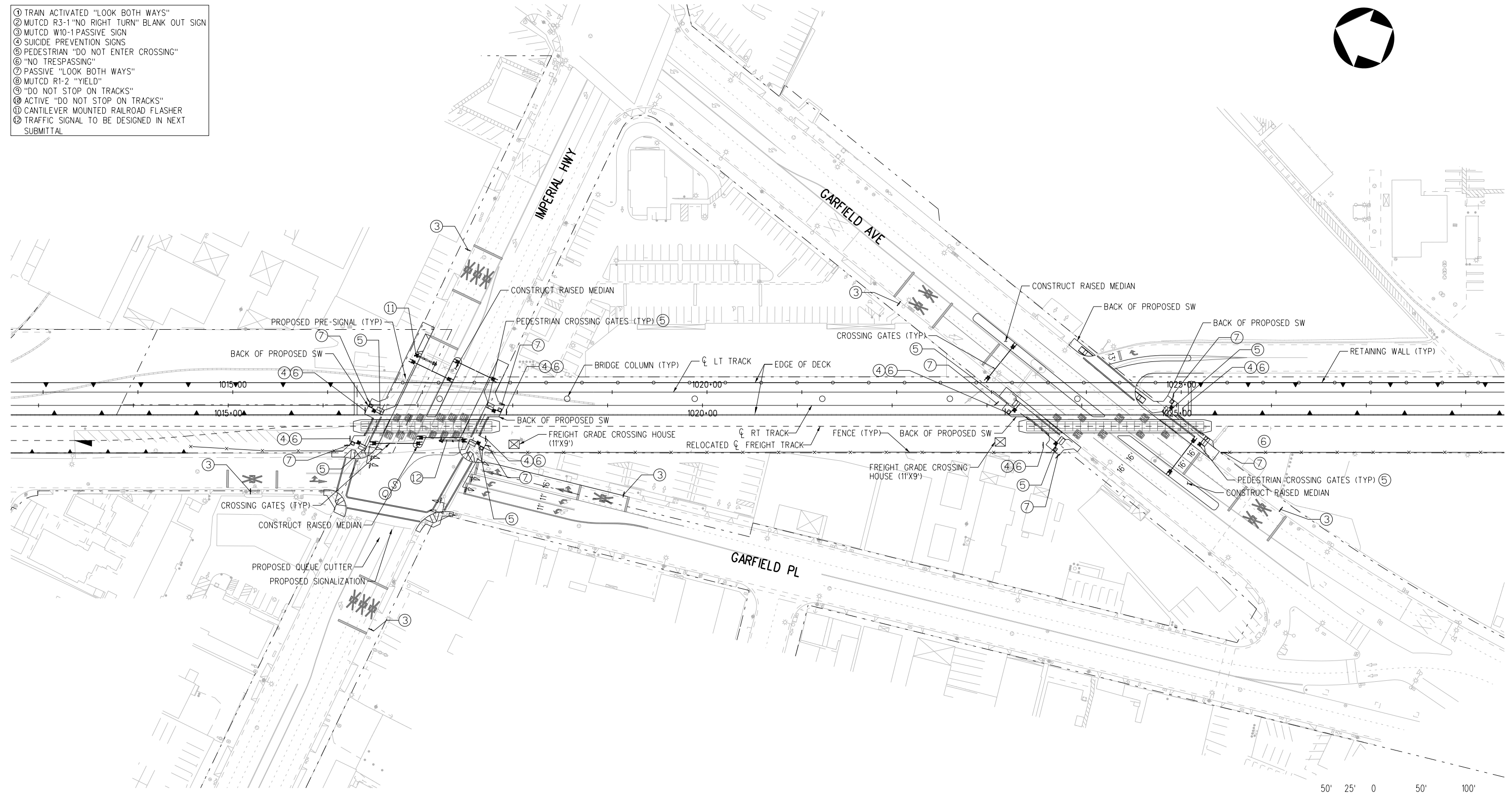
WEST SANTA ANA BRANCH LRT  
 GRADE CROSSING  
 RAYO AVE & SOUTHERN AVE  
 PLAN

CONTRACT NO AE5999300	REV
DRAWING NO CS-205	
SCALE HOR: 1"=50'	
SHEET NO 14	OF 41

15-DEC-2023 E-28091ACS205.plg  
 wspw14\_pw-svc 16:03

SIGNAGE LEGEND



- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL



**NOT FOR CONSTRUCTION**

FINAL ACE SUBMITTAL - 3/17/23

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 JS
2	3/17/2023	DRAWN BY EH
REV	DATE	CHECKED BY SM
BY	APP	IN CHARGE RL
REG NO.	EXPIRES	DATE 3/17/2023
SEAL HOLDER	DESCRIPTION	
	FINAL ACE SUBMITTAL	


**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**  
 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

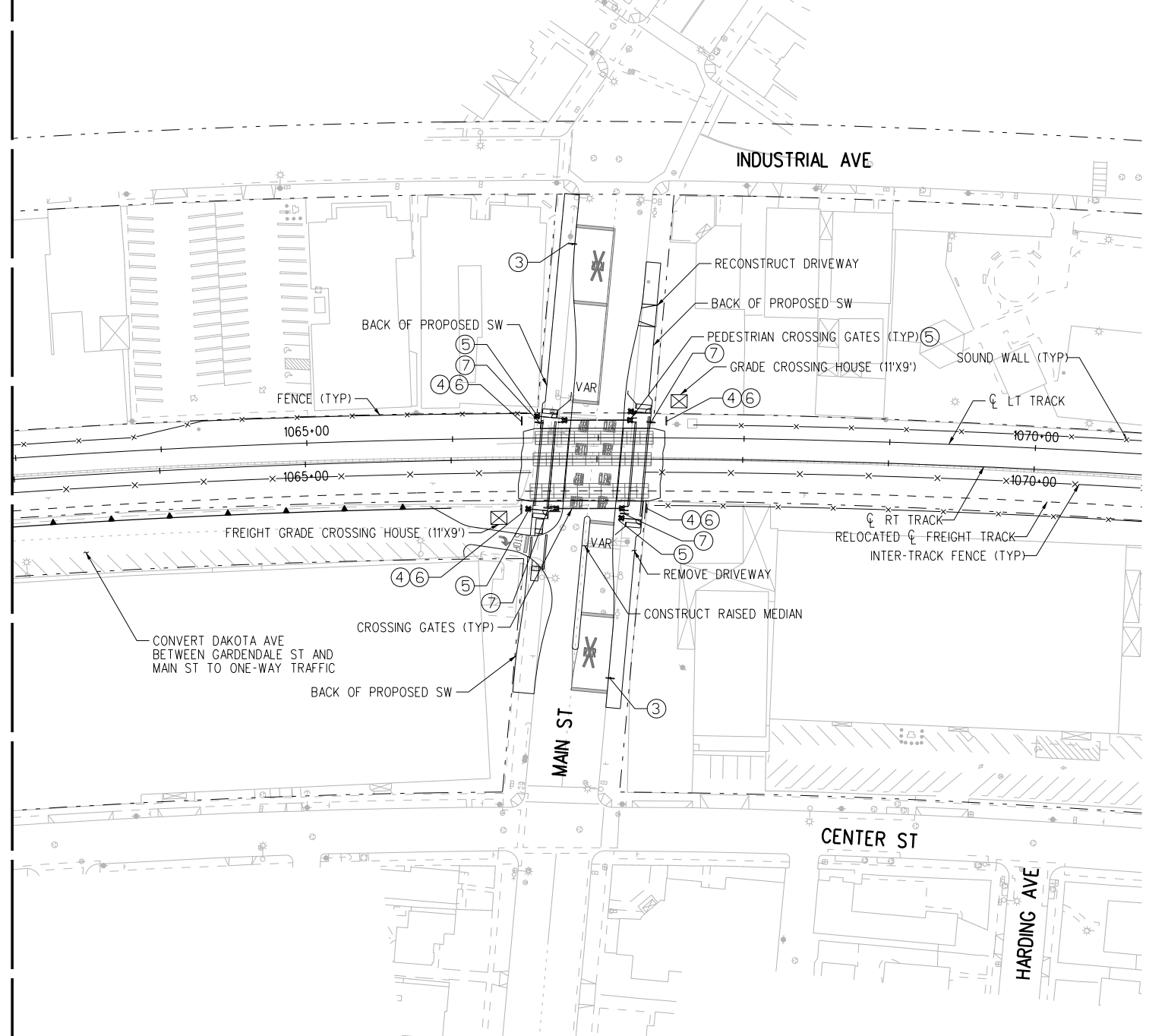
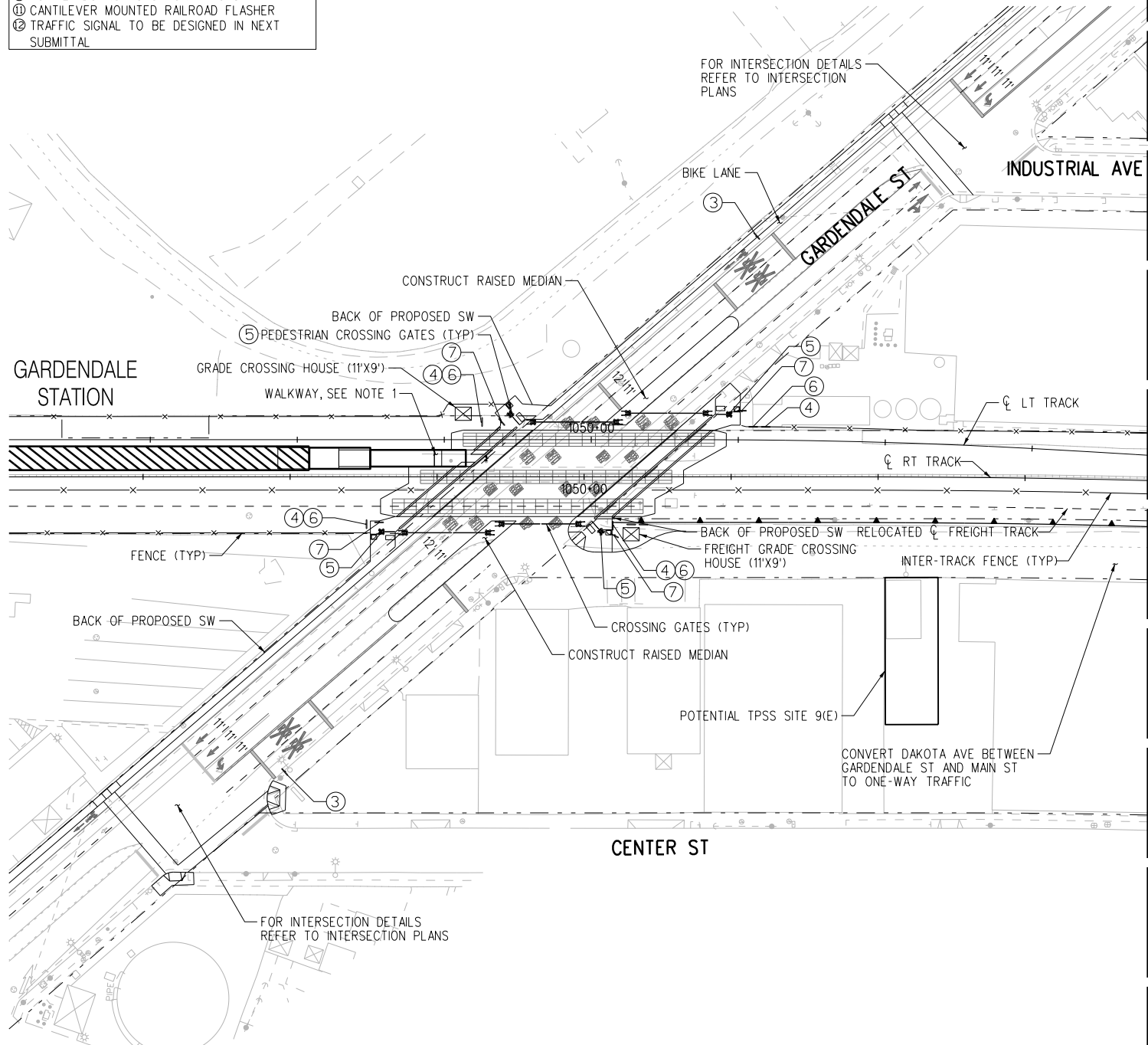
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DRAWING NO <b>CS-206</b>
SCALE <b>HOR: 1"=50'</b>
SHEET NO <b>15 OF 41</b>

<b>WEST SANTA ANA BRANCH LRT GRADE CROSSING IMPERIAL HWY &amp; GARFIELD AVE PLAN</b>
SUBMITTED _____ APPROVED _____

15-DEC-2023 E-28091ACS206.plg 16:01 wsdpw14\_pw-svc

SIGNAGE LEGEND

- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL



- NOTES:
1. PROTECTION OF PEDESTRIAN GRADE CROSSING AND STATION ACCESS TO BE DETERMINED IN LATER PHASE.
  2. LRT CROSSING CONTROLS MAY BE ACCOMMODATED IN STATION TC&G HOUSE.
  3. LRT GRADE CROSSING EQUIPMENT TO BE LOCATED WITHIN TRAIN CONTROL HOUSE.

FINAL ACE SUBMITTAL - 12/7/23

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 JS	DESIGNED BY DRAWN BY DC CHECKED BY SM IN CHARGE RL DATE 12/7/2023
3	12/7/2023	REVISED FINAL ACE SUBMITTAL	
REV	DATE	BY	
APP	REG NO.	EXPIRES	
SEAL HOLDER	DESCRIPTION		

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

WEST SANTA ANA BRANCH LRT GRADE CROSSING GARDENDALE ST & MAIN ST PLAN

CONTRACT NO. AE5999300

DRAWING NO. CS-207 REV

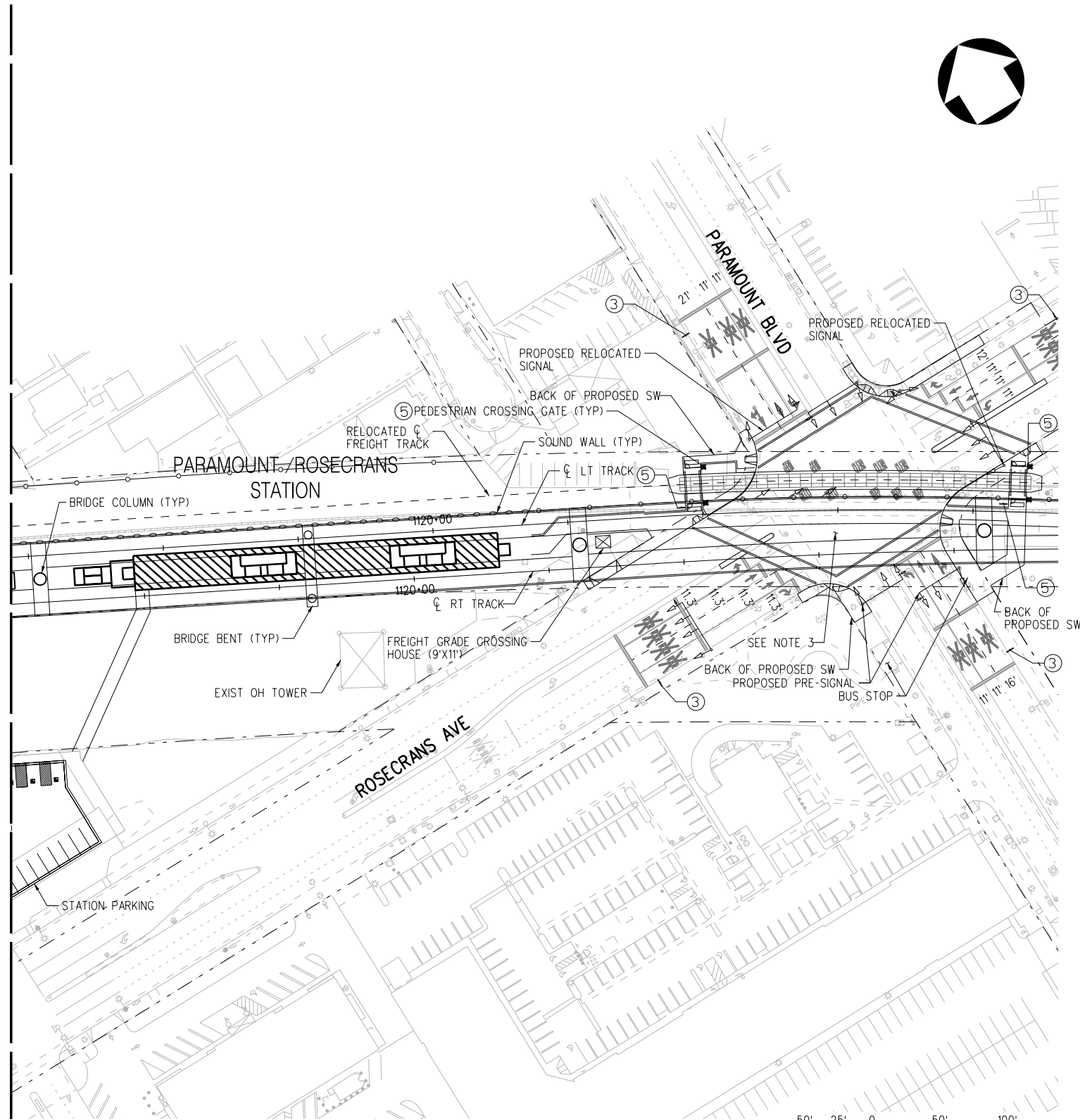
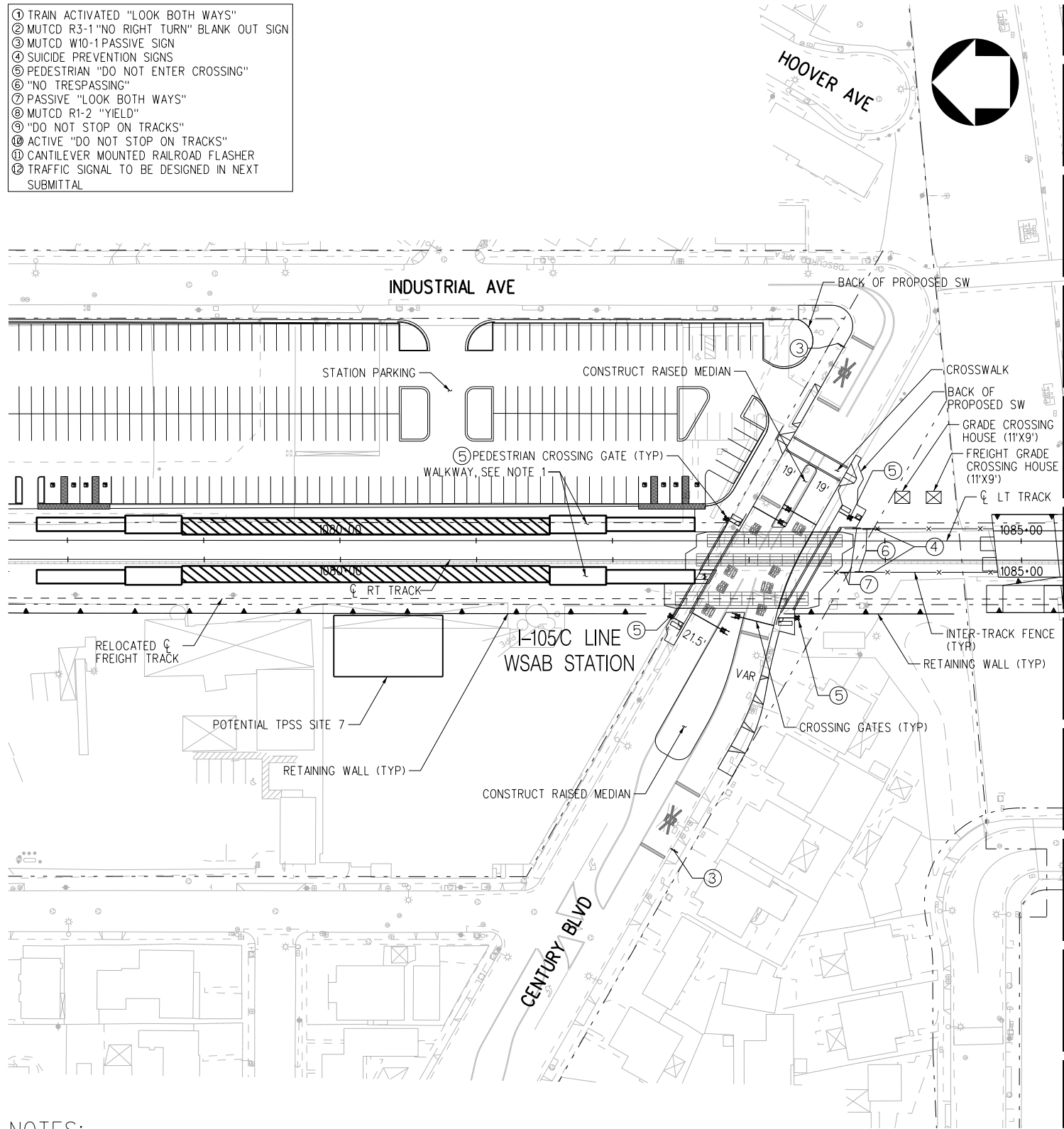
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SHEET NO. 16 OF 41

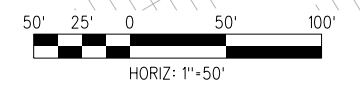
15-DEC-2023 E-28091ACS207.plg

SIGNAGE LEGEND

- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL



- NOTES:
1. PROTECTION OF PEDESTRIAN GRADE CROSSING AND STATION ACCESS TO BE DETERMINED IN LATER PHASE.
  2. LRT CROSSING CONTROLS MAY BE ACCOMMODATED IN STATION IC&C HOUSE.
  3. THE WSAB ALIGNMENT IS GRADE SEPARATED FROM THE ROSECRANS AVE/PARAMOUNT BLVD INTERSECTION.



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ACS208.plg  
wsppw14\_pw-svc 16:00

**FINAL ACE SUBMITTAL - 3/17/23**

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
2	3/17/2023						FINAL ACE SUBMITTAL

DESIGNED BY JS
DRAWN BY TC
CHECKED BY SM
IN CHARGE RL
DATE 3/17/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

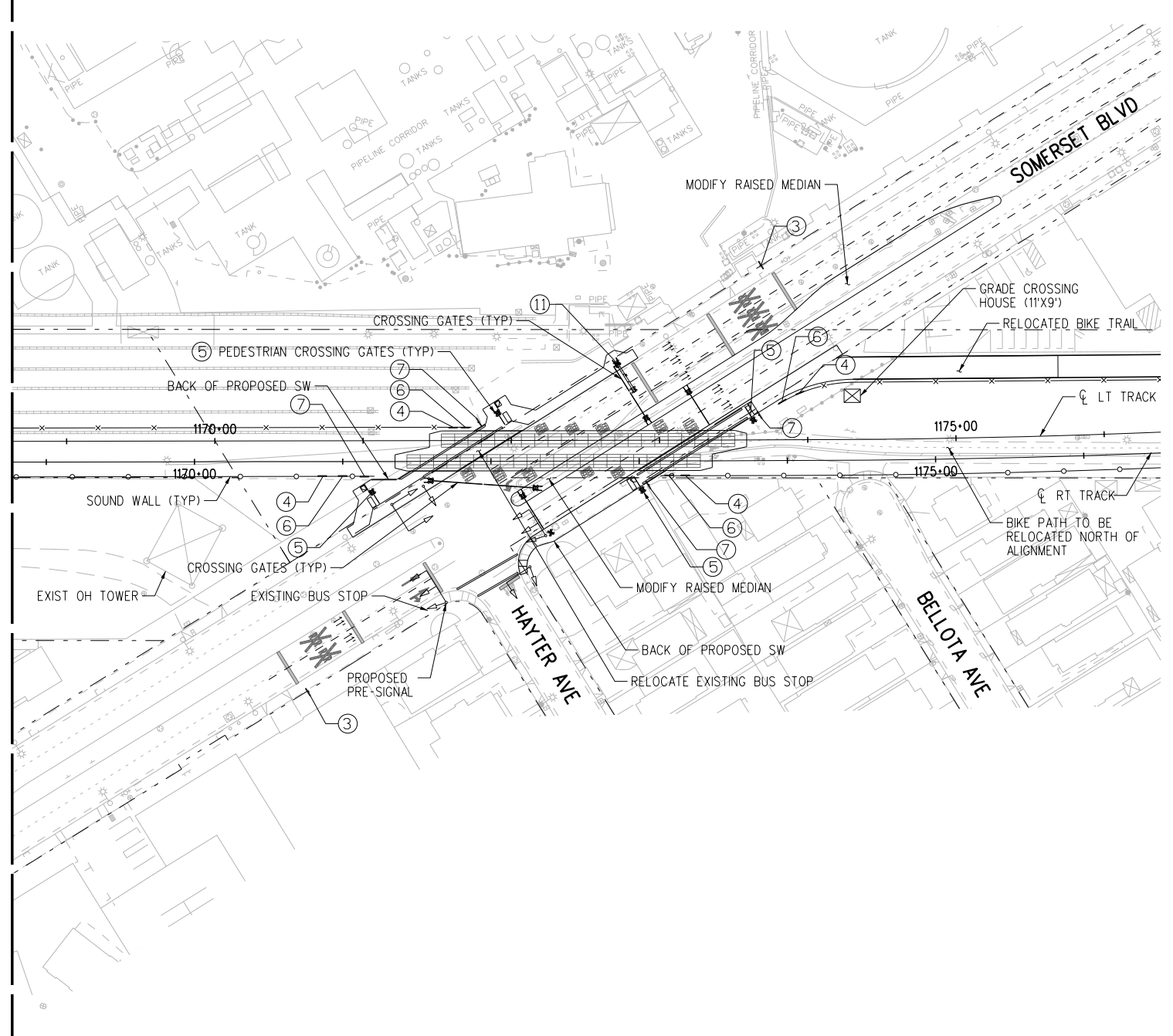
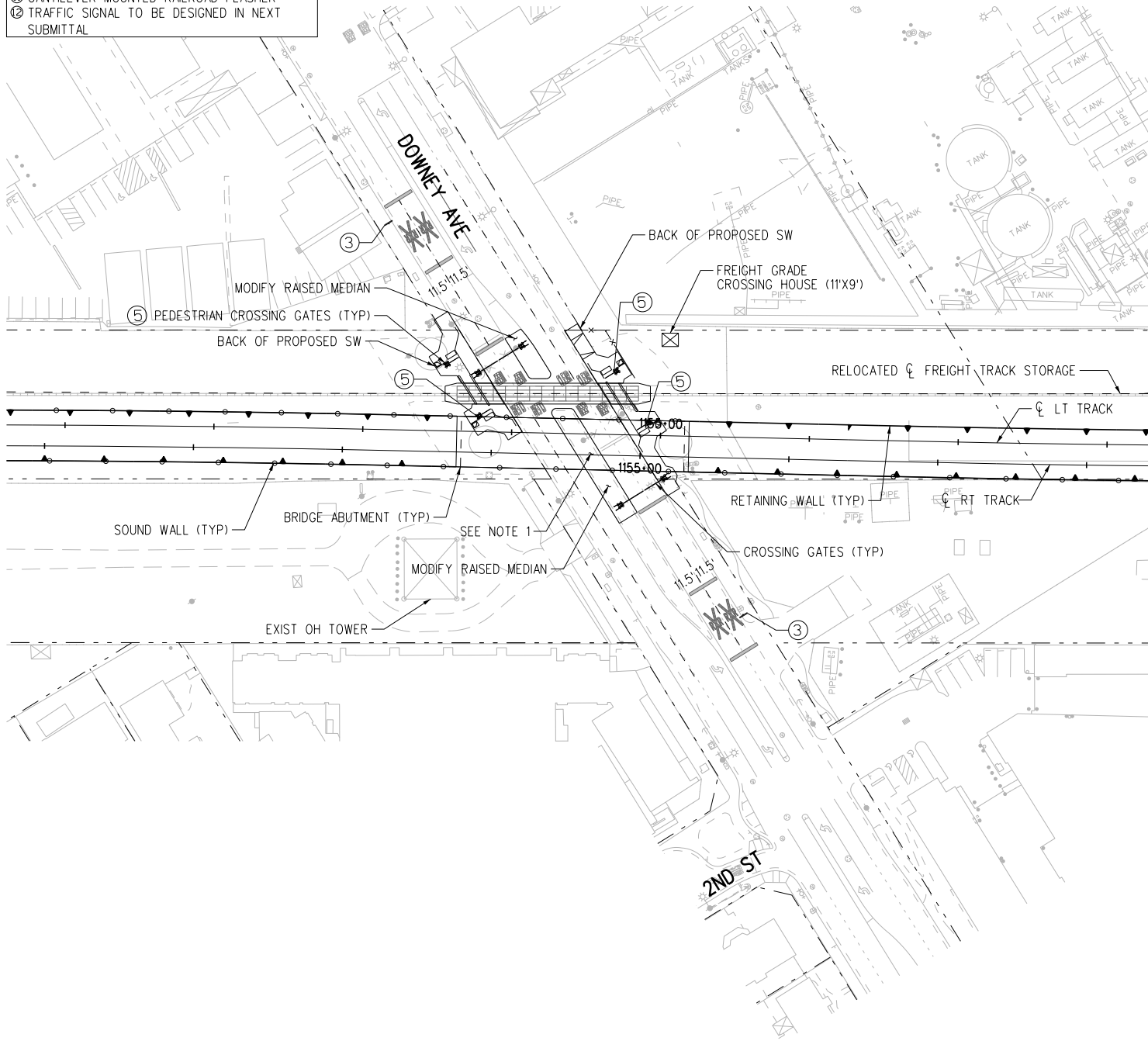
**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

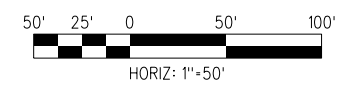
<b>WEST SANTA ANA BRANCH LRT</b>		CONTRACT NO. <b>AE5999300</b>
<b>GRADE CROSSING</b>		DRAWING NO. <b>CS-208</b>
<b>CENTURY BLVD &amp; ROSECRANS/PARAMOUNT</b>		SCALE <b>HOR: 1"=50'</b>
<b>PLAN</b>		SHEET NO. <b>17 OF 41</b>

SIGNAGE LEGEND

- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL



NOTES:  
 1. THE WSAB ALIGNMENT IS GRADE SEPARATED FROM DOWNEY AVE.



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ACS209.plg  
 wspdw14\_pw-svc 16:05

FINAL ACE SUBMITTAL - 3/17/23

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 JS
REV	DATE	BY
2	3/17/2023	
APP	REG NO.	EXPIRES
SEAL HOLDER	DESCRIPTION	
	FINAL ACE SUBMITTAL	
DATE	3/17/2023	

DRAWN BY IN
CHECKED BY SM
IN CHARGE RL
DATE 3/17/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

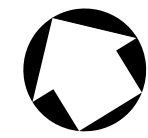
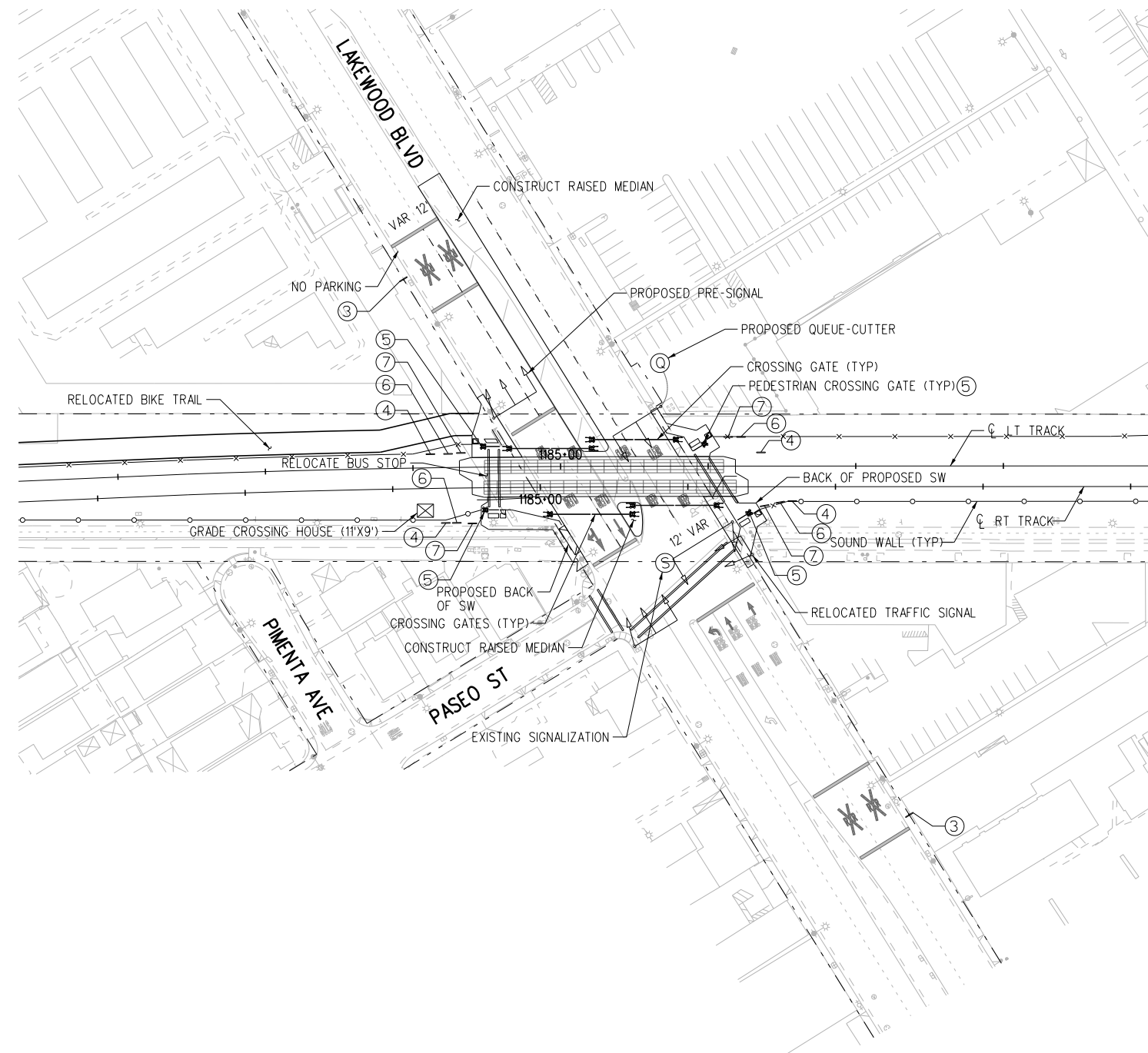
APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
 GRADE CROSSING  
 DOWNEY AVE & SOMERSET BLVD  
 PLAN

CONTRACT NO. AE5999300
DRAWING NO. CS-209
SCALE HOR: 1"=50'
SHEET NO. 18 OF 41

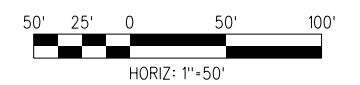
SIGNAGE LEGEND

- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL



NOTES:

1. PROTECTION OF PEDESTRIAN GRADE CROSSING AND STATION ACCESS TO BE DETERMINED IN LATER PHASE.
2. LRT CROSSING CONTROLS MAY BE ACCOMMODATED IN STATION TC&C HOUSE.
3. LRT GRADE CROSSING EQUIPMENT TO BE LOCATED WITHIN TRAIN CONTROL HOUSE.



**NOT FOR CONSTRUCTION**

FINAL ACE SUBMITTAL - 3/17/23

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 JS
							DRAWN BY IN
							CHECKED BY SM
							IN CHARGE RL
							DATE 3/17/2023
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
2	3/17/2023						FINAL ACE SUBMITTAL

<p><b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b></p>	<p>515 South Figueroa Street Suite 1400 Los Angeles, CA 90071</p>
--	---

	SUBMITTED _____ APPROVED _____
--	-----------------------------------

**WEST SANTA ANA BRANCH LRT  
GRADE CROSSING  
LAKEWOOD BLVD  
PLAN**

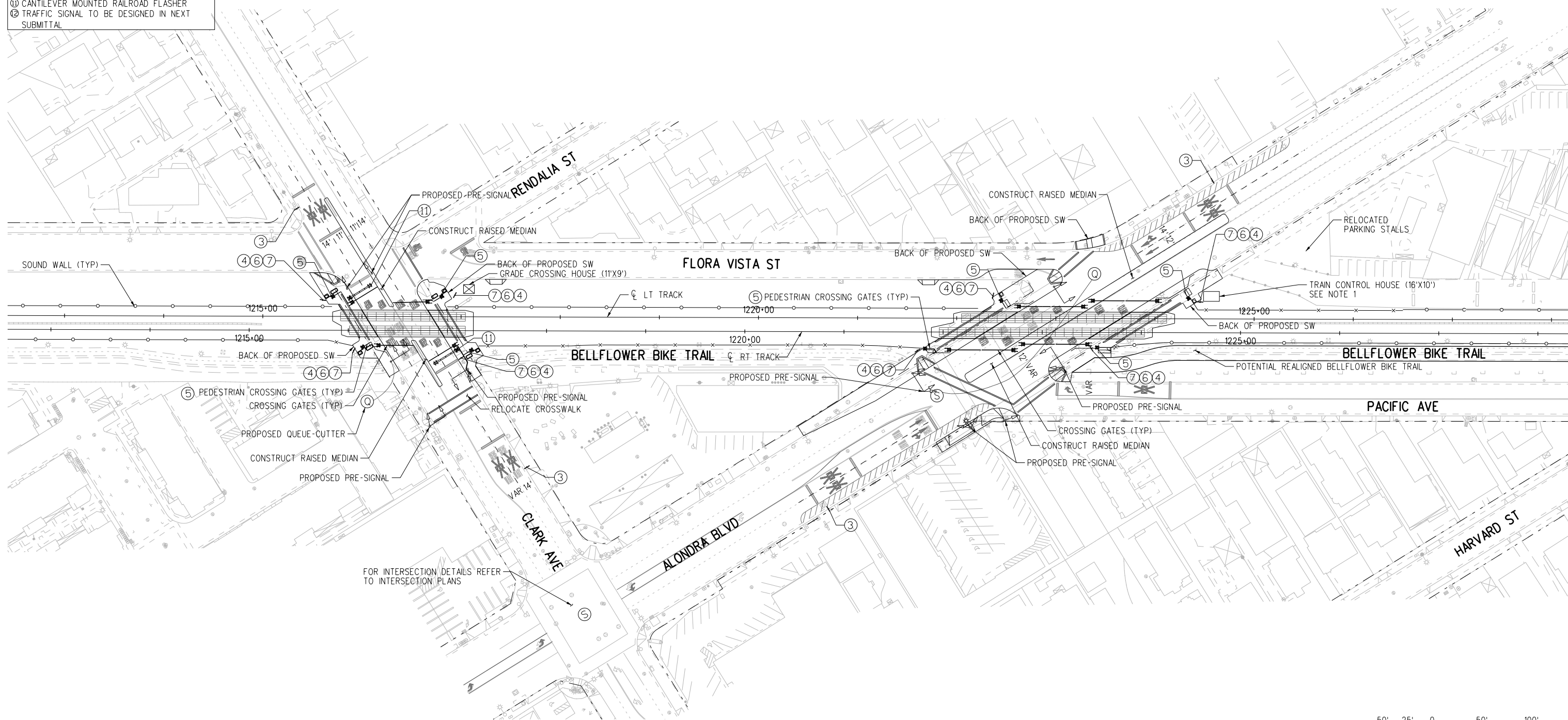
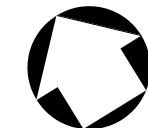
CONTRACT NO	AE5999300
DRAWING NO	CS-210
SCALE	HOR: 1"=50'
SHEET NO	19 OF 41

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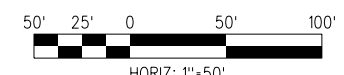


SIGNAGE LEGEND

- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL



FOR INTERSECTION DETAILS REFER TO INTERSECTION PLANS



NOTES:  
1. LRT GRADE CROSSING EQUIPMENT TO BE LOCATED WITHIN TRAIN CONTROL HOUSE.

FINAL ACE SUBMITTAL - 3/17/23

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
2	3/17/2023					FINAL ACE SUBMITTAL
DESCRIPTION						

DESIGNED BY JS
DRAWN BY IN
CHECKED BY SM
IN CHARGE RL
DATE 3/17/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT GRADE CROSSING CLARK AVE & ALONDRA BLVD PLAN**

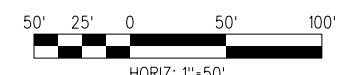
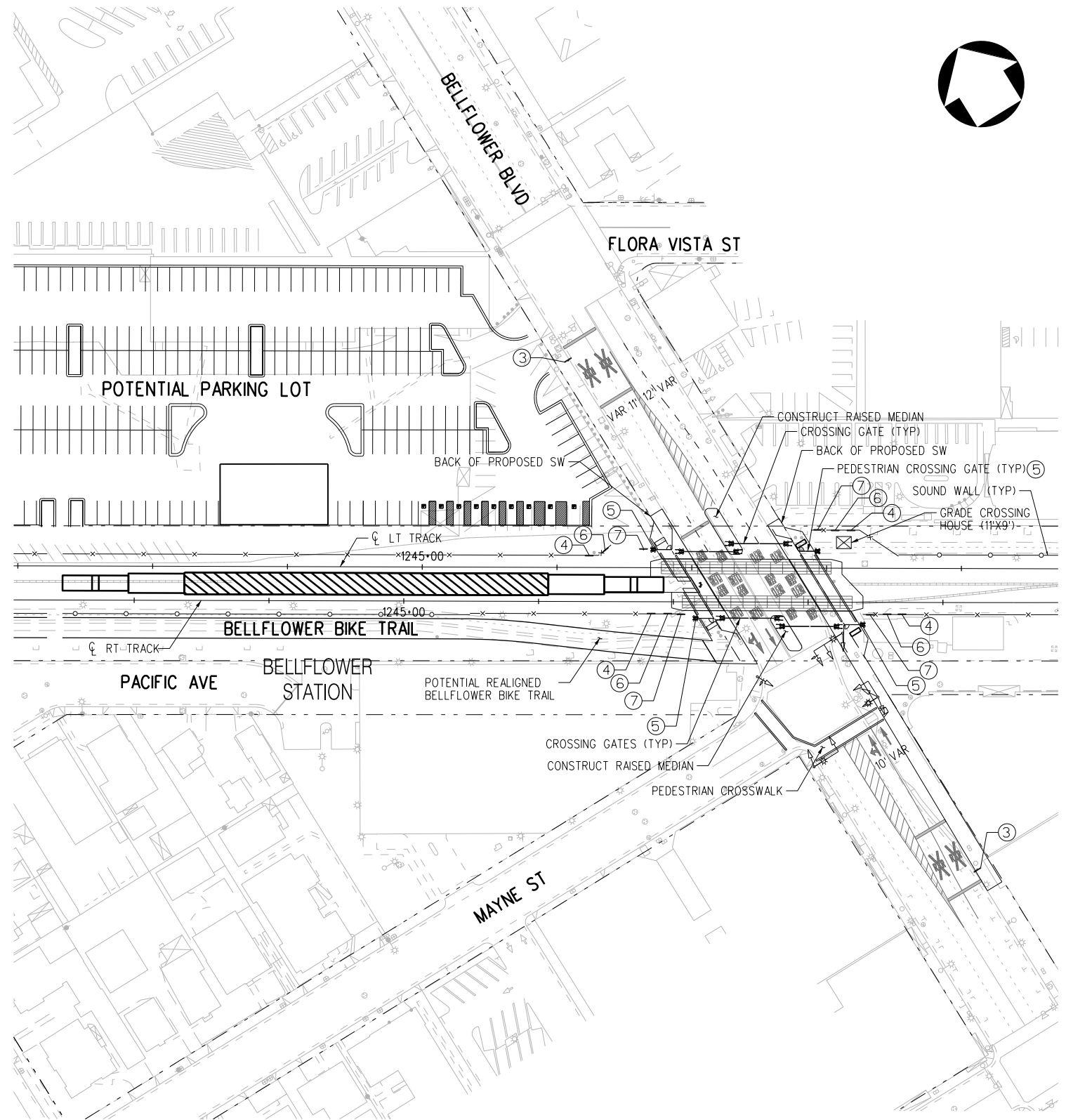
CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>CS-211</b>	REV
SCALE HOR: 1"=50'	
SHEET NO 20	OF 41

15-DEC-2023 E-28091ACS211.plt  
wspw14\_pw-svc 16:01  
Plot Driver=MTA-half.pen Pentable=bw.plt



SIGNAGE LEGEND

- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL





**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ACS212.plt  
wspdw14-pw-svc 16:00

FINAL ACE SUBMITTAL - 3/17/23

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 JS
2	3/17/2023	DRAWN BY IN
REV	DATE	CHECKED BY SM
BY	APP	IN CHARGE RL
REG NO.	EXPIRES	DATE 3/17/2023
SEAL HOLDER	DESCRIPTION	
	FINAL ACE SUBMITTAL	

 <b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>
 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

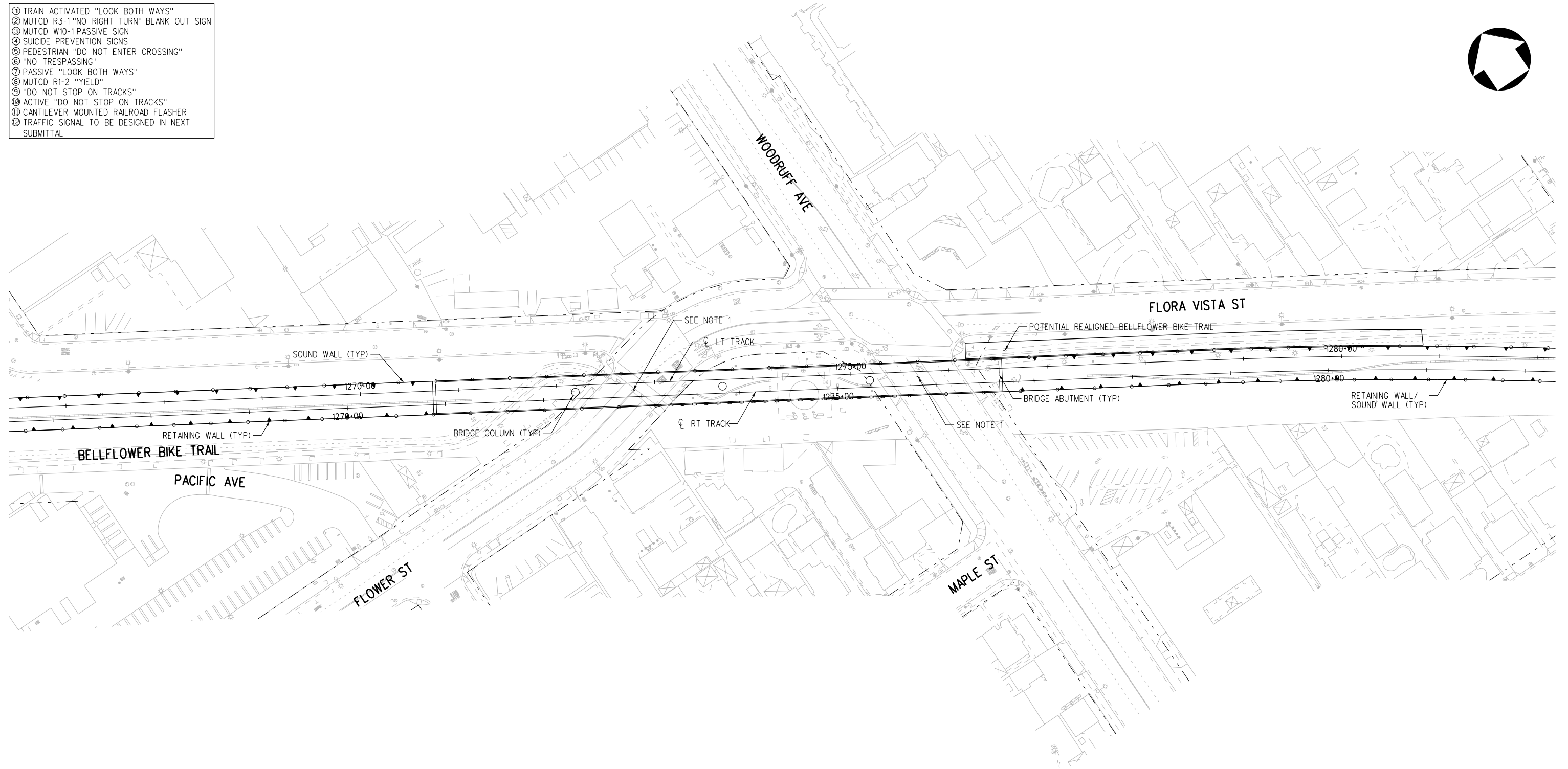
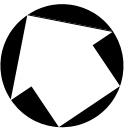
SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH LRT                  GRADE CROSSING                  BELLFLOWER BLVD                  PLAN</b>	
CONTRACT NO.	AE5999300
DRAWING NO.	CS-212
SCALE	HOR: 1"=50'
SHEET NO.	21 OF 41

CONTRACT NO.	AE5999300
DRAWING NO.	CS-212
SCALE	HOR: 1"=50'
SHEET NO.	21 OF 41

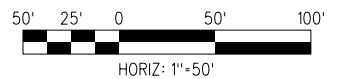
SIGNAGE LEGEND

- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL



NOTES:

- 1. THE WSAB ALIGNMENT IS GRADE SEPARATED FROM THE FLOWER ST/WOODRUFF AVE INTERSECTION.



**NOT FOR CONSTRUCTION**

FINAL ACE SUBMITTAL - 3/17/23

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2	3/17/2023	DRAWN BY IN
REV	DATE	CHECKED BY SM
BY	APP	IN CHARGE RL
REG NO.	EXPIRES	DATE 3/17/2023
SEAL HOLDER	DESCRIPTION	
	FINAL ACE SUBMITTAL	



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

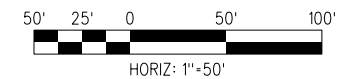
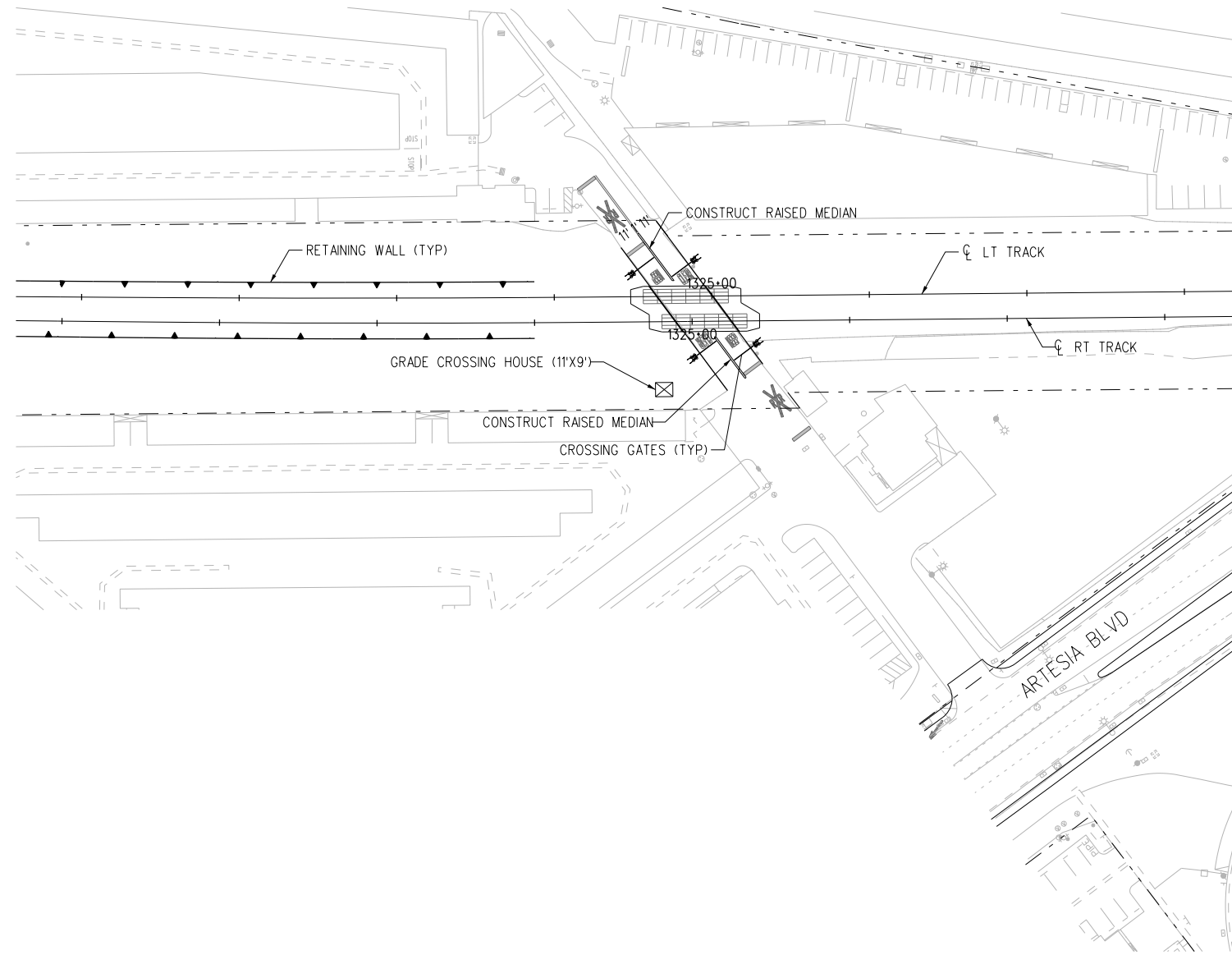
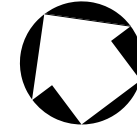
**WEST SANTA ANA BRANCH LRT  
GRADE CROSSING  
FLOWER ST & WOODRUFF AVE  
PLAN**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>CS-213</b>	REV
SCALE HOR: 1"=50'	
SHEET NO <b>22</b>	OF <b>41</b>

15-DEC-2023 E-28091ACS213.plg  
wsppw14\_pw-svc 16:00

SIGNAGE LEGEND

- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL




**NOT FOR CONSTRUCTION**

FINAL ACE SUBMITTAL - 3/17/23

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REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
2	3/17/2023						FINAL ACE SUBMITTAL

DESIGNED BY JS
DRAWN BY IN
CHECKED BY SM
IN CHARGE RL
DATE 3/17/2023



**Metro**

**LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY**

515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

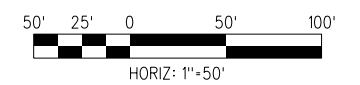
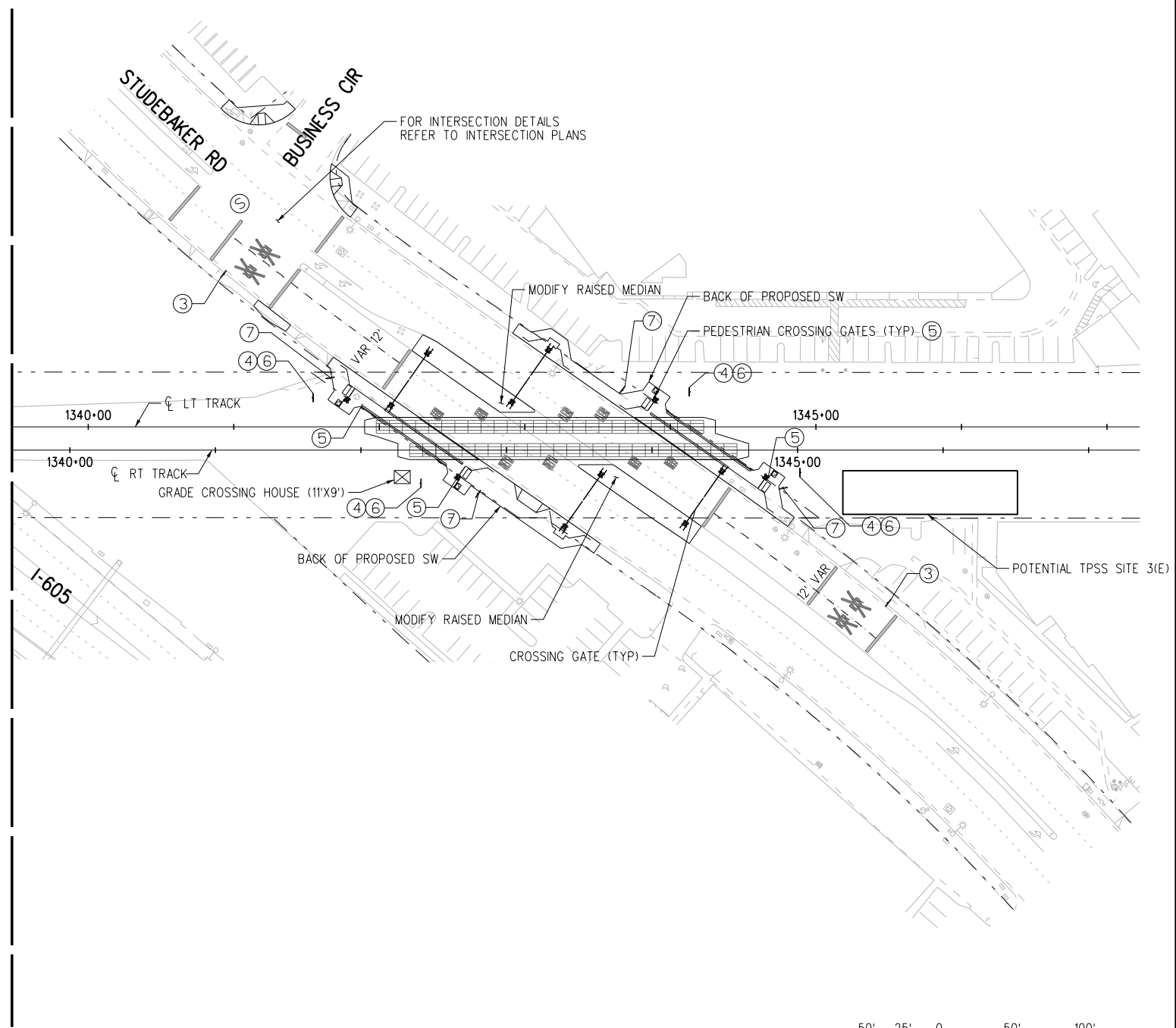
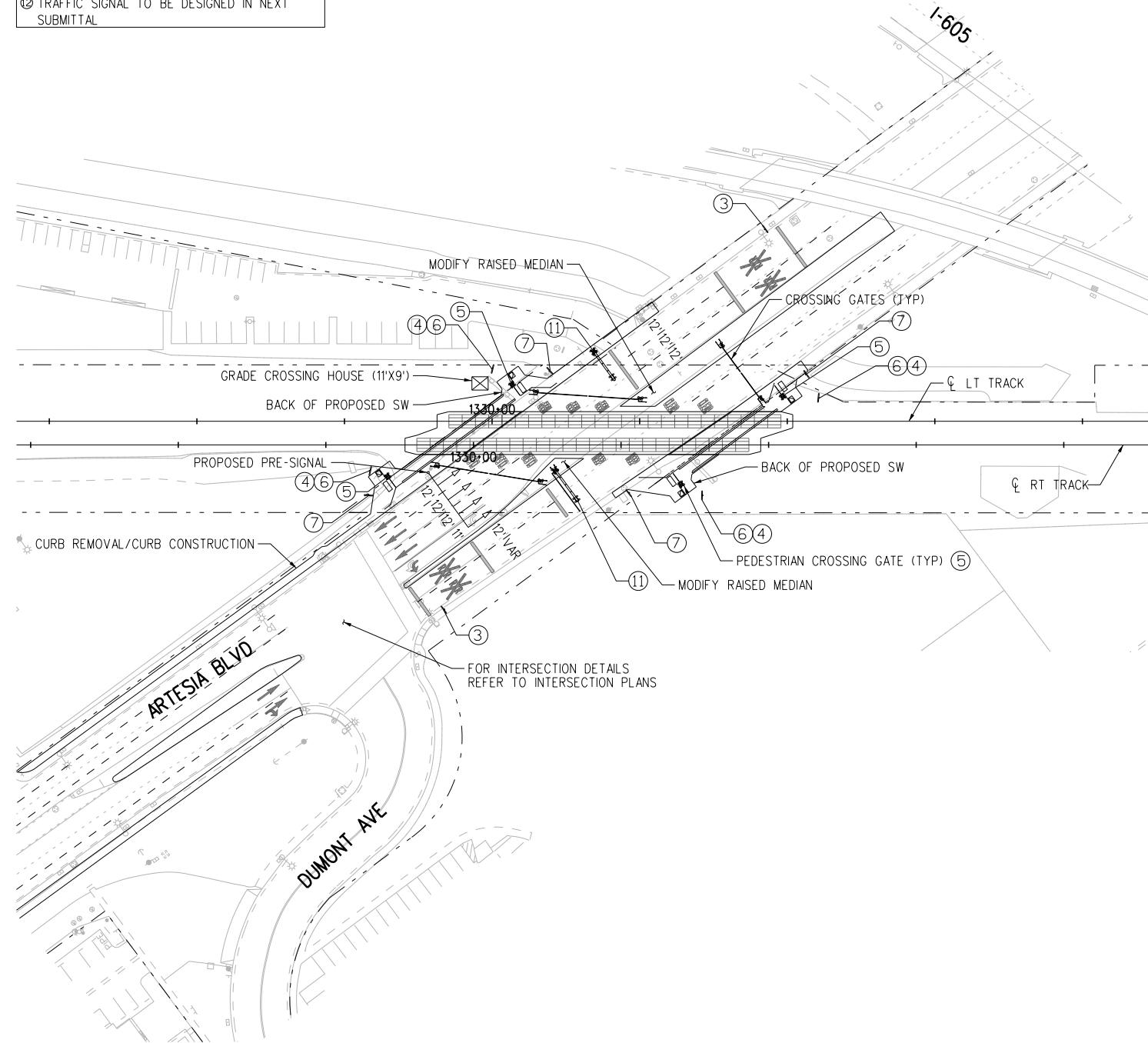
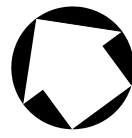
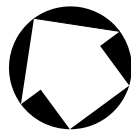
**WEST SANTA ANA BRANCH LRT  
PRIVATE GRADE CROSSINGS  
PRIVATE DRIVE  
PLAN**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>CS-214</b>	REV
SCALE HOR: 1"=50'	
SHEET NO 23	OF 41

15-DEC-2023 E-28091ACS214.plg  
wsppw14\_pw-svc 16:00  
Plot Driver=MTA-half.pen Pentable=bw.plt

SIGNAGE LEGEND

- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL



**NOT FOR CONSTRUCTION**

FINAL ACE SUBMITTAL - 3/17/23

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							DRAWN BY IN
							CHECKED BY SM
							IN CHARGE RL
							DATE 3/17/2023
2	3/17/2023					FINAL ACE SUBMITTAL	
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY JS
DRAWN BY IN
CHECKED BY SM
IN CHARGE RL
DATE 3/17/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
GRADE CROSSING  
ARTESIA BLVD & STUDEBAKER RD  
PLAN

CONTRACT NO  
**AE5999300**

DRAWING NO  
**CS-215**

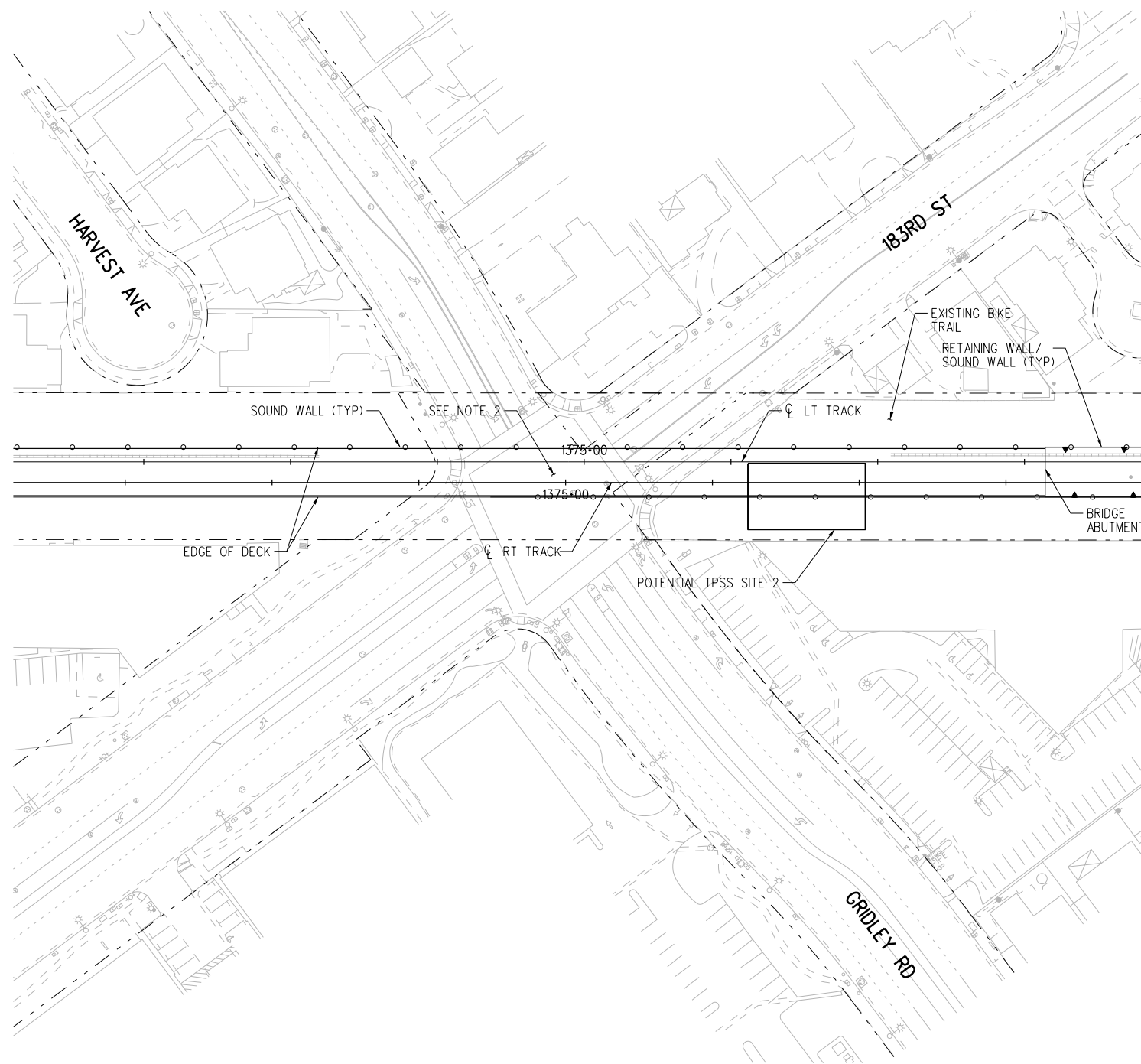
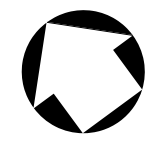
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**HOR: 1"=50'**

SHEET NO  
**24 OF 41**

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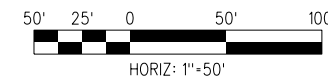
SIGNAGE LEGEND

- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL



NOTES:

- 1. THE WSAB ALIGNMENT IS GRADE SEPARATED FROM THE 18RD ST/GRIDLEY RD INTERSECTION.
- 2. LRT GRADE CROSSING EQUIPMENT TO BE LOCATED WITHIN TRAIN CONTROL HOUSE.



**NOT FOR CONSTRUCTION**

FINAL ACE SUBMITTAL - 3/17/23

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 JS
							DRAWN BY IN
							CHECKED BY SM
							IN CHARGE RL
							DATE 3/17/2023
2	3/17/2023					FINAL ACE SUBMITTAL	
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION

<p><b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b></p>
<p>515 South Figueroa Street Suite 1400 Los Angeles, CA 90071</p>

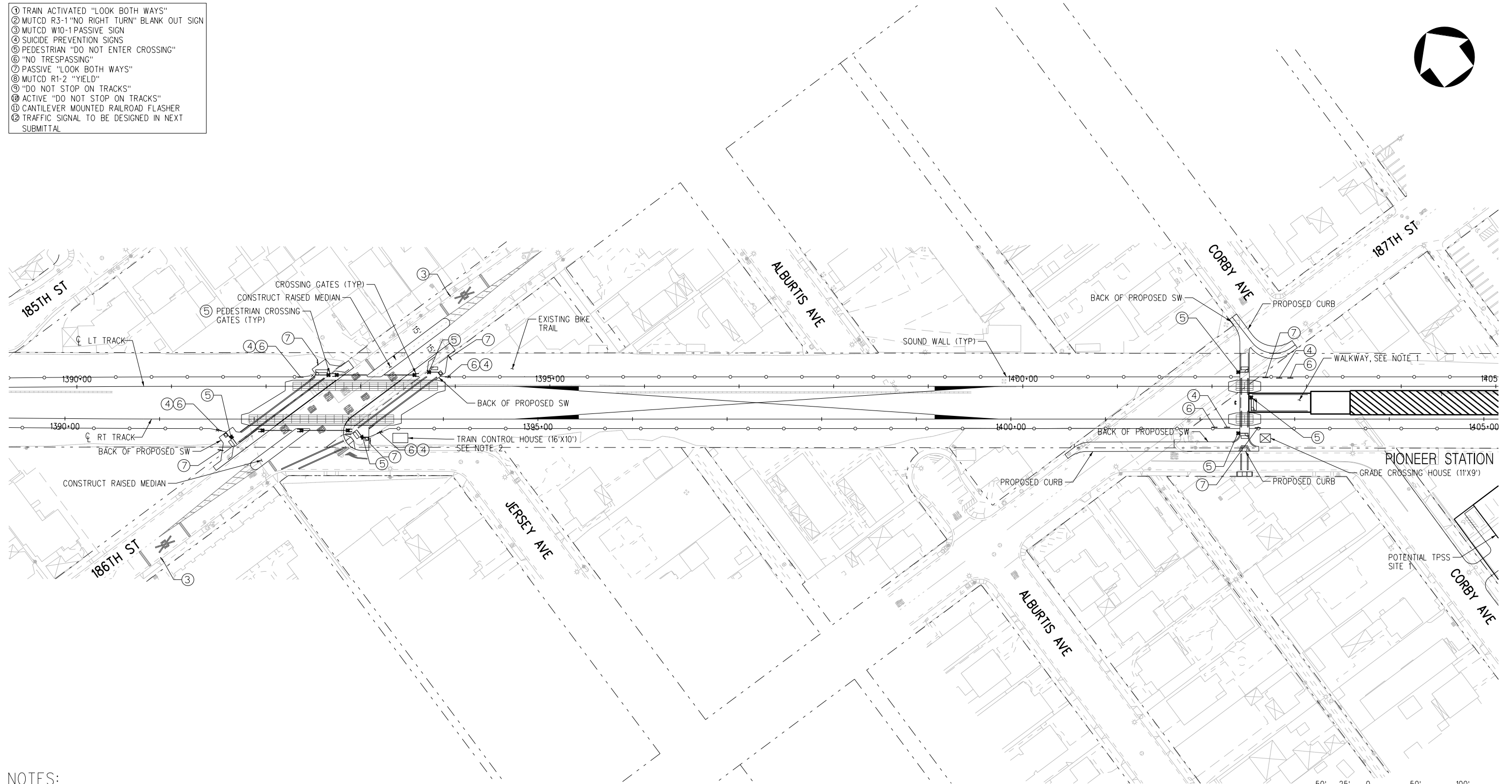
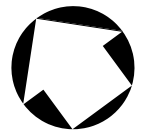
SUBMITTED _____
APPROVED _____

<p><b>WEST SANTA ANA BRANCH LRT GRADE CROSSING GRIDLEY/183RD PLAN</b></p>	
CONTRACT NO <b>AE5999300</b>	REV
DRAWING NO <b>CS-216</b>	
SCALE <b>HOR: 1"=50'</b>	
SHEET NO <b>25</b>	OF <b>41</b>

15-DEC-2023 E-28091ACS216.plg  
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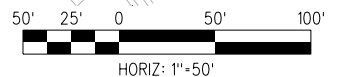
SIGNAGE LEGEND

- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL



NOTES:

- 1. PROTECTION OF PEDESTRIAN GRADE CROSSING AND STATION ACCESS TO BE DETERMINED IN LATER PHASE.
- 2. LRT GRADE CROSSING EQUIPMENT TO BE LOCATED WITHIN TRAIN CONTROL HOUSE.



FINAL ACE SUBMITTAL - 3/17/23

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
2	3/17/2023						FINAL ACE SUBMITTAL

DESIGNED BY JS
DRAWN BY IN
CHECKED BY SM
IN CHARGE RL
DATE 3/17/2023

**M Metro**  
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
GRADE CROSSING  
186TH ST & 187TH ST  
LOCALLY PREFERRED ALTERNATIVE**

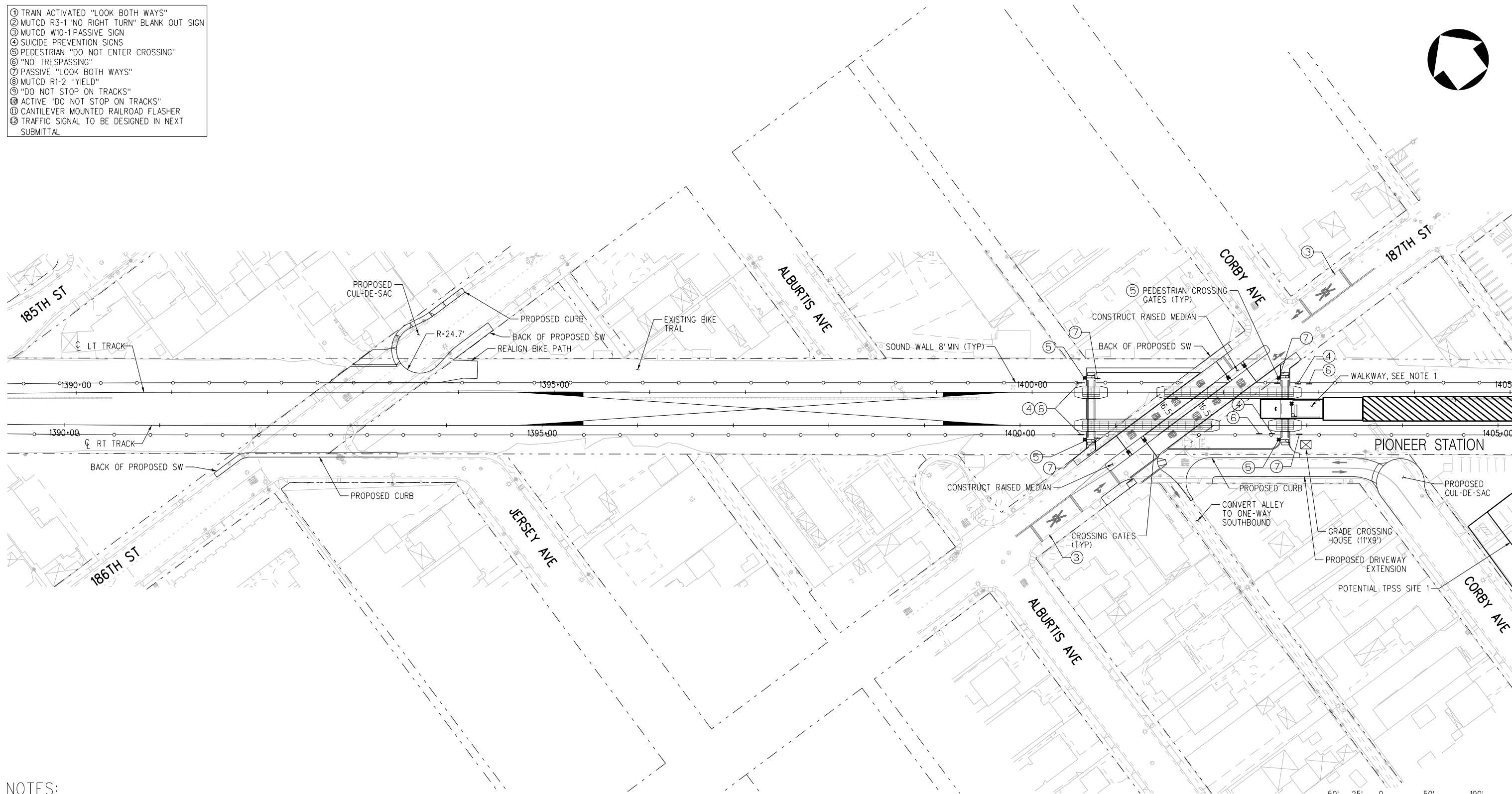
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DRAWING NO <b>CS-217</b>	REV
SCALE HOR: 1"=50'	
SHEET NO <b>26</b>	OF <b>41</b>

**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ACS217.plg  
wsppw14-pw-svc 16:00

SIGNAGE LEGEND

- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL



NOTES:  
 1. PROTECTION OF PEDESTRIAN GRADE CROSSING AND STATION ACCESS TO BE DETERMINED IN LATER PHASE.



**NOT FOR CONSTRUCTION**

FINAL ACE SUBMITTAL - 3/17/23

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 JS
2	3/17/2023	DRAWN BY IN
REV	DATE	CHECKED BY SM
BY	APP	IN CHARGE RL
REG NO.	EXPIRES	DATE 3/17/2023
SEAL HOLDER	DESCRIPTION	
	FINAL ACE SUBMITTAL	

<p><b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b></p>	<p>515 South Figueroa Street Suite 1400 Los Angeles, CA 90071</p>
--	---

SUBMITTED _____ APPROVED _____
-----------------------------------

**WEST SANTA ANA BRANCH LRT  
 GRADE CROSSING  
 186TH ST & 187TH ST  
 OPTION 1**

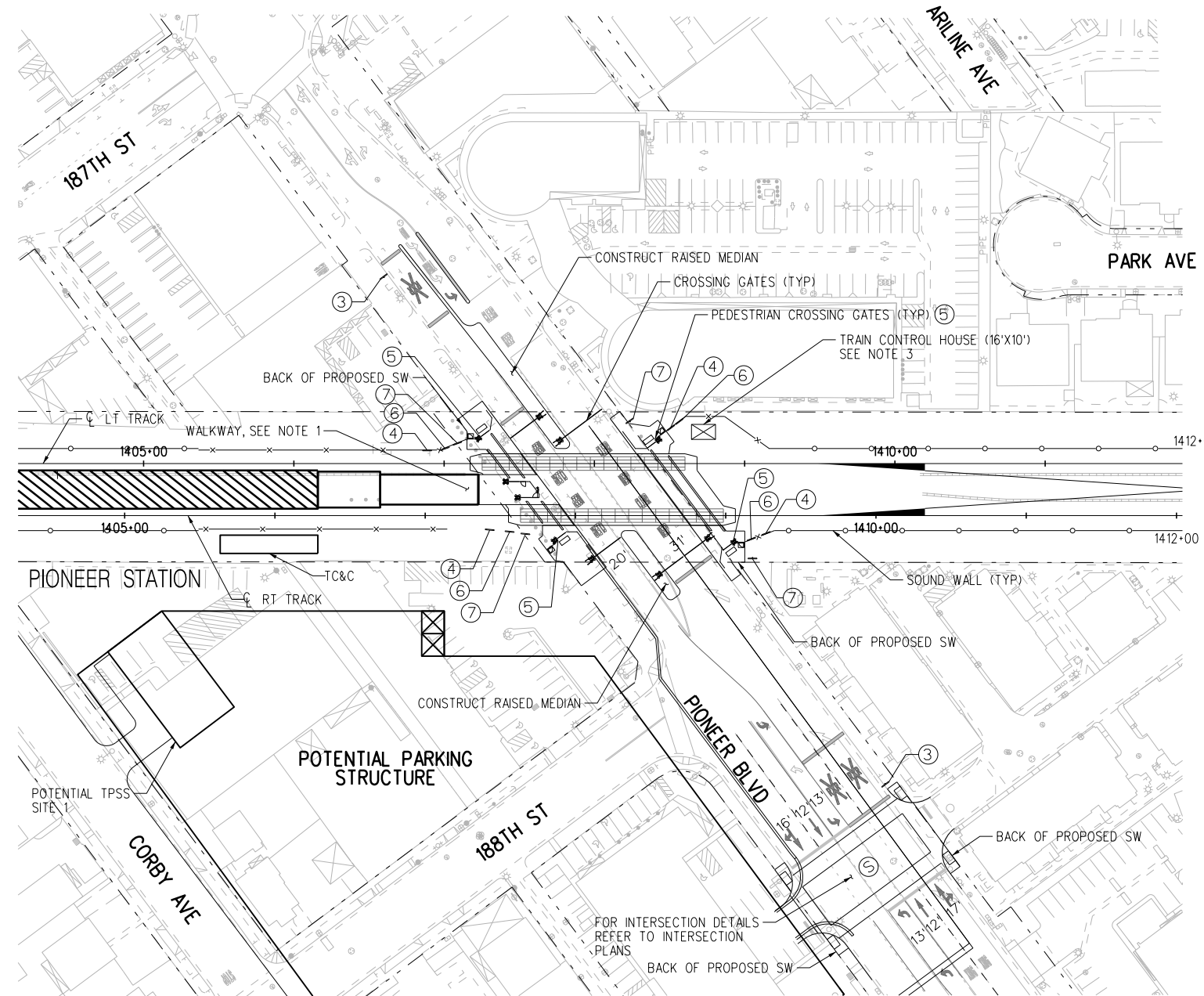
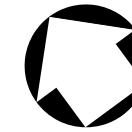
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>CS-218</b>	
SCALE <b>HOR: 1"=50'</b>	
SHEET NO. <b>27</b>	OF <b>41</b>

15-DEC-2023 E-28091ACS218.plg  
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Plot Driver=MTA-half.pen Pentable=bw.plt



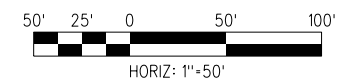
SIGNAGE LEGEND

- ① TRAIN ACTIVATED "LOOK BOTH WAYS"
- ② MUTCD R3-1 "NO RIGHT TURN" BLANK OUT SIGN
- ③ MUTCD W10-1 PASSIVE SIGN
- ④ SUICIDE PREVENTION SIGNS
- ⑤ PEDESTRIAN "DO NOT ENTER CROSSING"
- ⑥ "NO TRESPASSING"
- ⑦ PASSIVE "LOOK BOTH WAYS"
- ⑧ MUTCD R1-2 "YIELD"
- ⑨ "DO NOT STOP ON TRACKS"
- ⑩ ACTIVE "DO NOT STOP ON TRACKS"
- ⑪ CANTILEVER MOUNTED RAILROAD FLASHER
- ⑫ TRAFFIC SIGNAL TO BE DESIGNED IN NEXT SUBMITTAL



NOTES:

- 1. THE WSAB ALIGNMENT IS GRADE SEPARATED FROM THE 18RD ST/GRIDLEY RD INTERSECTION.
- 2. LRT GRADE CROSSING EQUIPMENT TO BE LOCATED WITHIN TRAIN CONTROL HOUSE.



**NOT FOR CONSTRUCTION**

FINAL ACE SUBMITTAL - 3/17/23

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 JS	
		DRAWN BY IN	
		CHECKED BY SM	
		IN CHARGE RL	
		DATE 3/17/2023	
2	3/17/2023		FINAL ACE SUBMITTAL
REV	DATE	BY	DESCRIPTION

REG NO.	EXPIRES	SEAL HOLDER

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

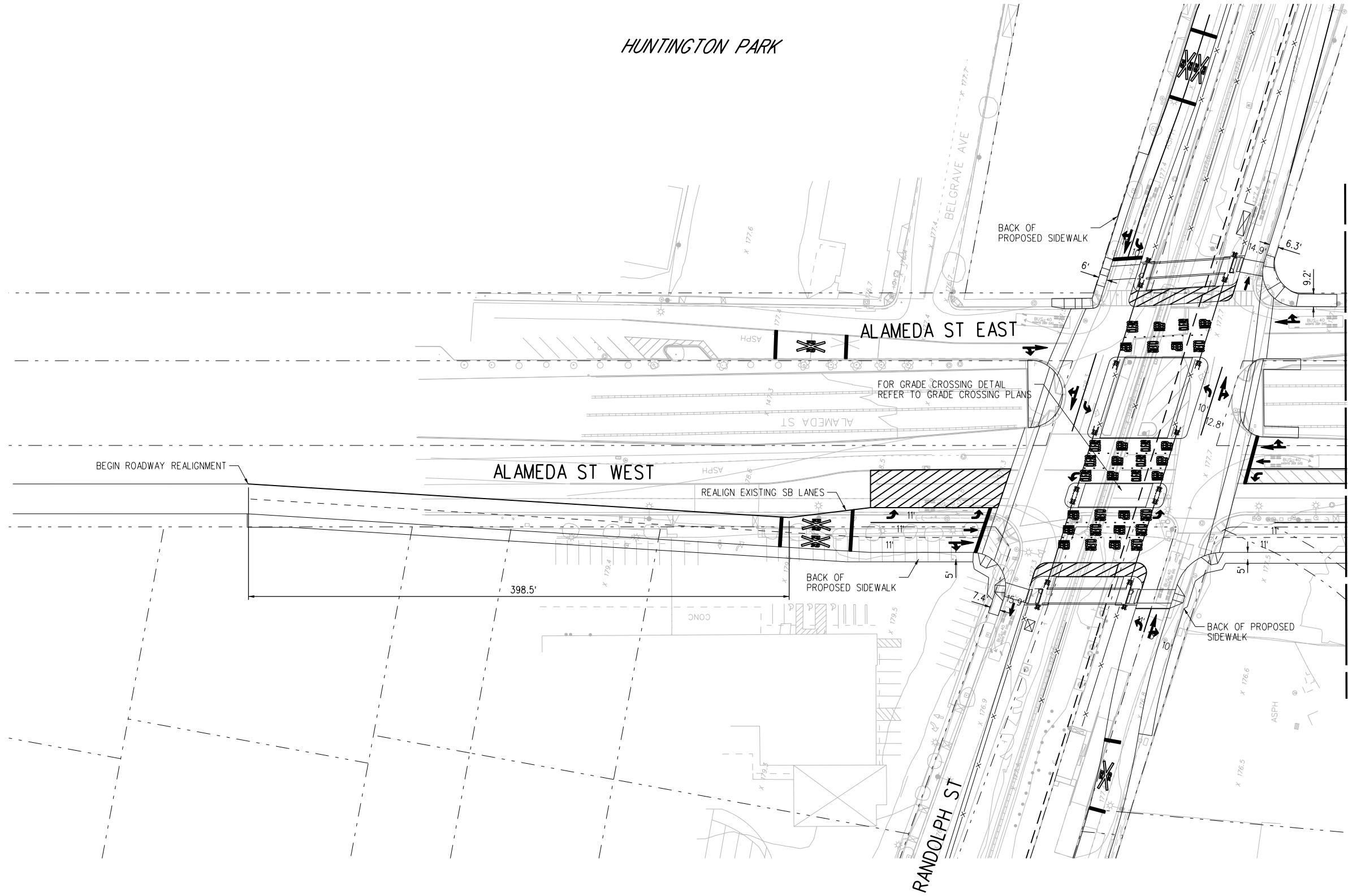
**WEST SANTA ANA BRANCH LRT  
GRADE CROSSING  
PIONEER BLVD  
PLAN**

CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>CS-219</b>	
SCALE <b>HOR: 1"=50'</b>	
SHEET NO. <b>28</b>	OF <b>41</b>

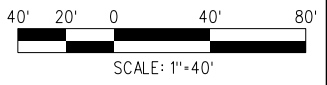
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wsppw14-pw-svc

18-DEC-2023 E-28091AT001.plg

wsppw14\_pw-svc 15:34



SEE ALAMEDA (SOUTH) INTERSECTION SHEET T-002



**FINAL ACE SUBMITTAL - 10/2023**

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
4	10/20/2023						REVISED FINAL ACE SUBMITTAL

DESIGNED BY SJ
DRAWN BY RL
CHECKED BY SJ
IN CHARGE RL
DATE 10/20/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

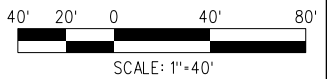
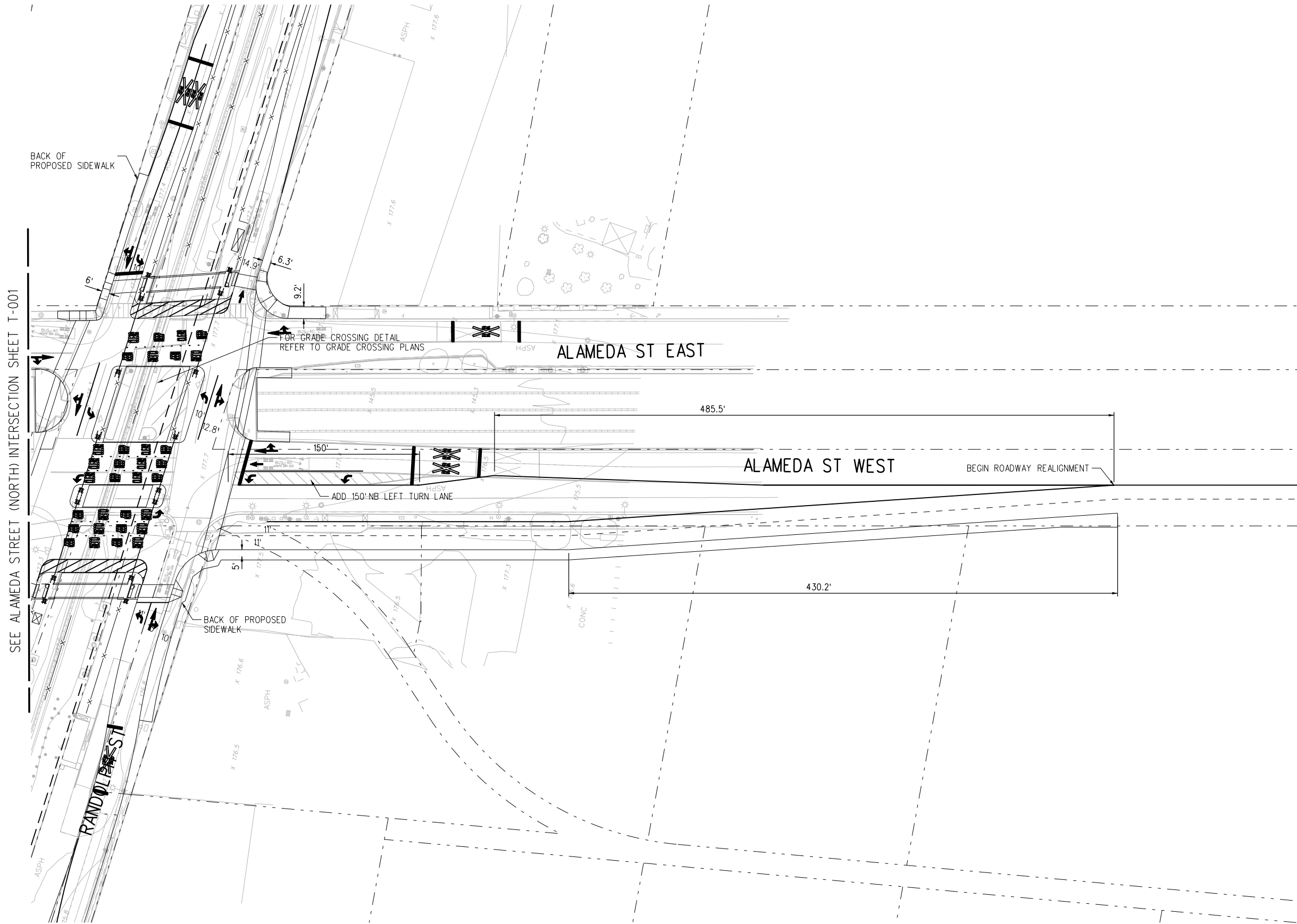
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT INTERSECTION ALAMEDA ST (NORTH) PLAN**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>T-001</b>	REV
SCALE HOR: 1"=40'	
SHEET NO <b>29</b>	OF <b>41</b>

**NOT FOR CONSTRUCTION**



**NOT FOR CONSTRUCTION**

18-DEC-2023 E-28091AT002.plg  
wsppw14\_pw-svc 15:34  
Plot Driver=MTA-half.pen

**FINAL ACE SUBMITTAL - 10/20/23**

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
4	10/20/2023					REVISED FINAL ACE SUBMITTAL

DESIGNED BY SJ
DRAWN BY RL
CHECKED BY SJ
IN CHARGE RL
DATE 10/20/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

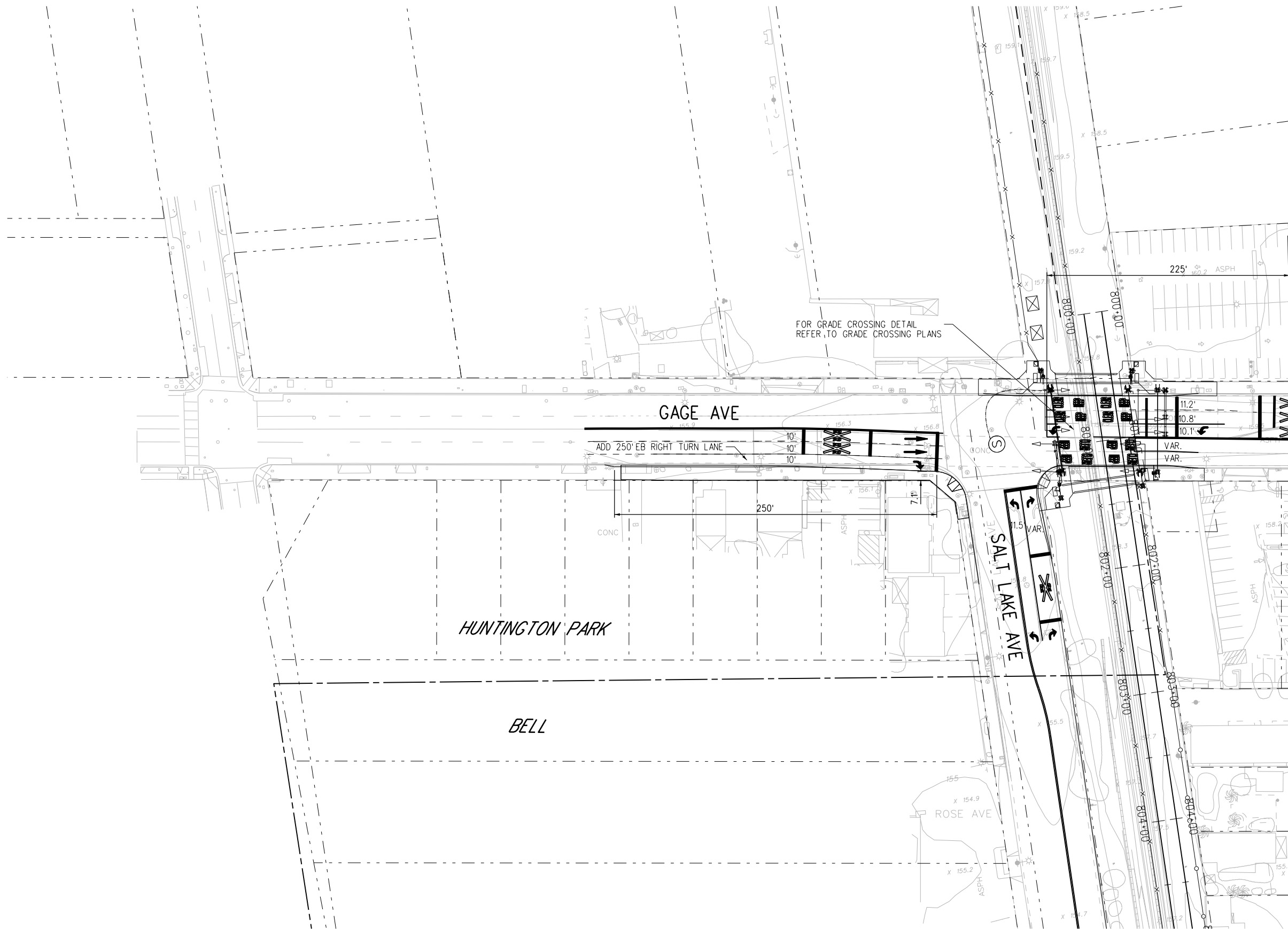
APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
INTERSECTION  
ALAMEDA ST (SOUTH)  
PLAN

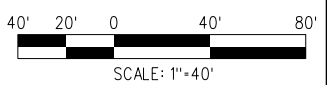
CONTRACT NO AE5999300	
DRAWING NO T-002	REV
SCALE HOR: 1"=40'	
SHEET NO 30	OF 41

15-DEC-2023 E-28091AT003.plg

wsppw14-pw-svc 16:00



SEE GAGE AVE (EAST) INTERSECTION SHEET T-005



**FINAL ACE SUBMITTAL - 3/17/23**

**NOT FOR CONSTRUCTION**

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
2	3/17/2023						FINAL ACE SUBMITTAL

DESIGNED BY SJ
DRAWN BY RL
CHECKED BY SJ
IN CHARGE RL
DATE 3/17/2023

**LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY**

515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

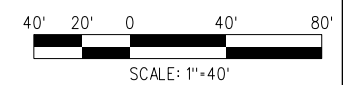
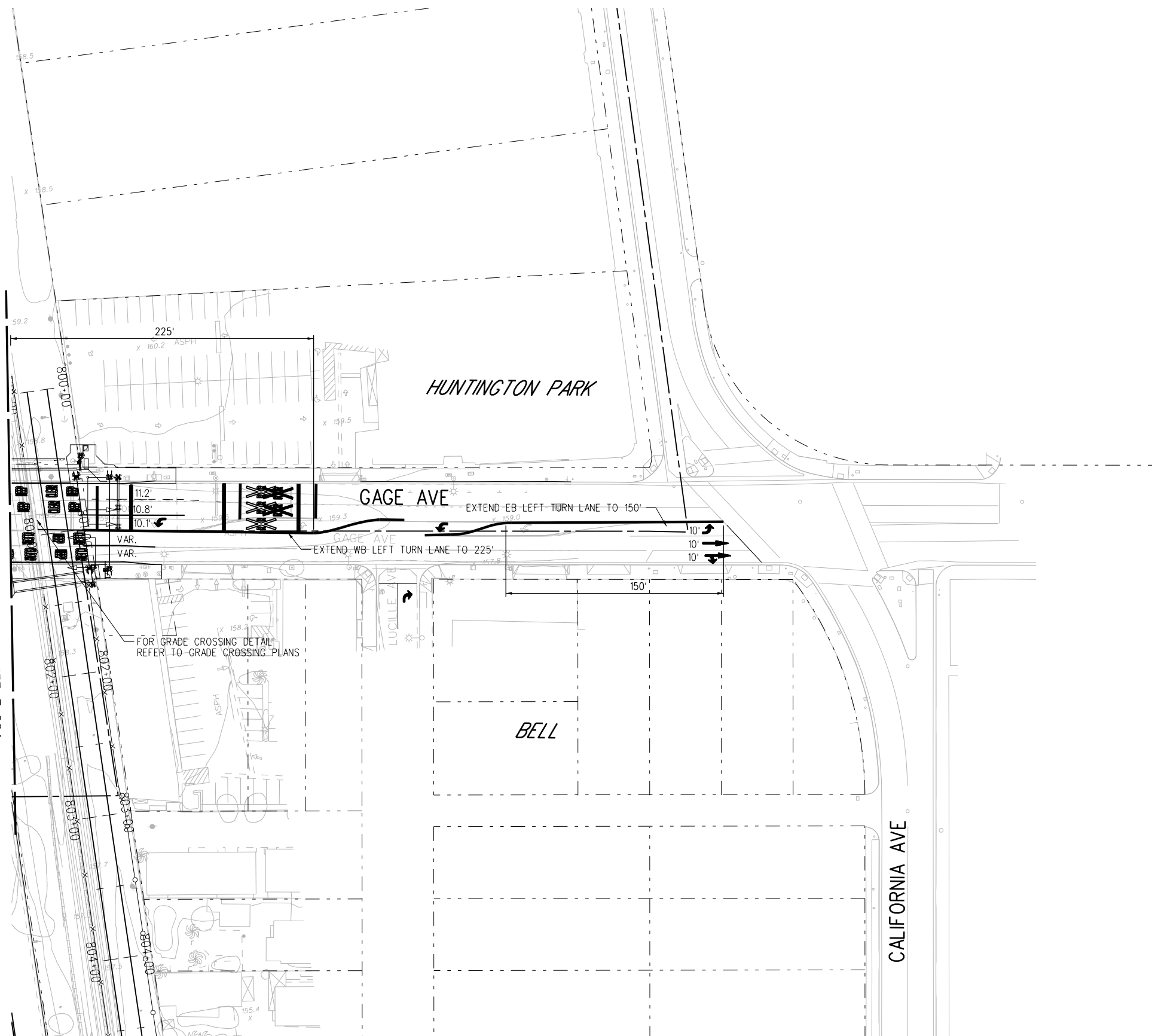
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
INTERSECTION  
GAGE AVE (WEST)  
PLAN**

CONTRACT NO. <b>AE5999300</b>	
DRAWING NO. <b>T-003</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO. <b>31</b>	OF <b>41</b>





SEE GAGE AVE (WEST) INTERSECTION SHEET T-004



**NOT FOR CONSTRUCTION**

FINAL ACE SUBMITTAL - 3/17/23

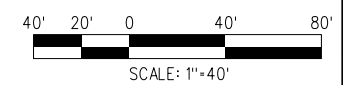
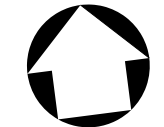
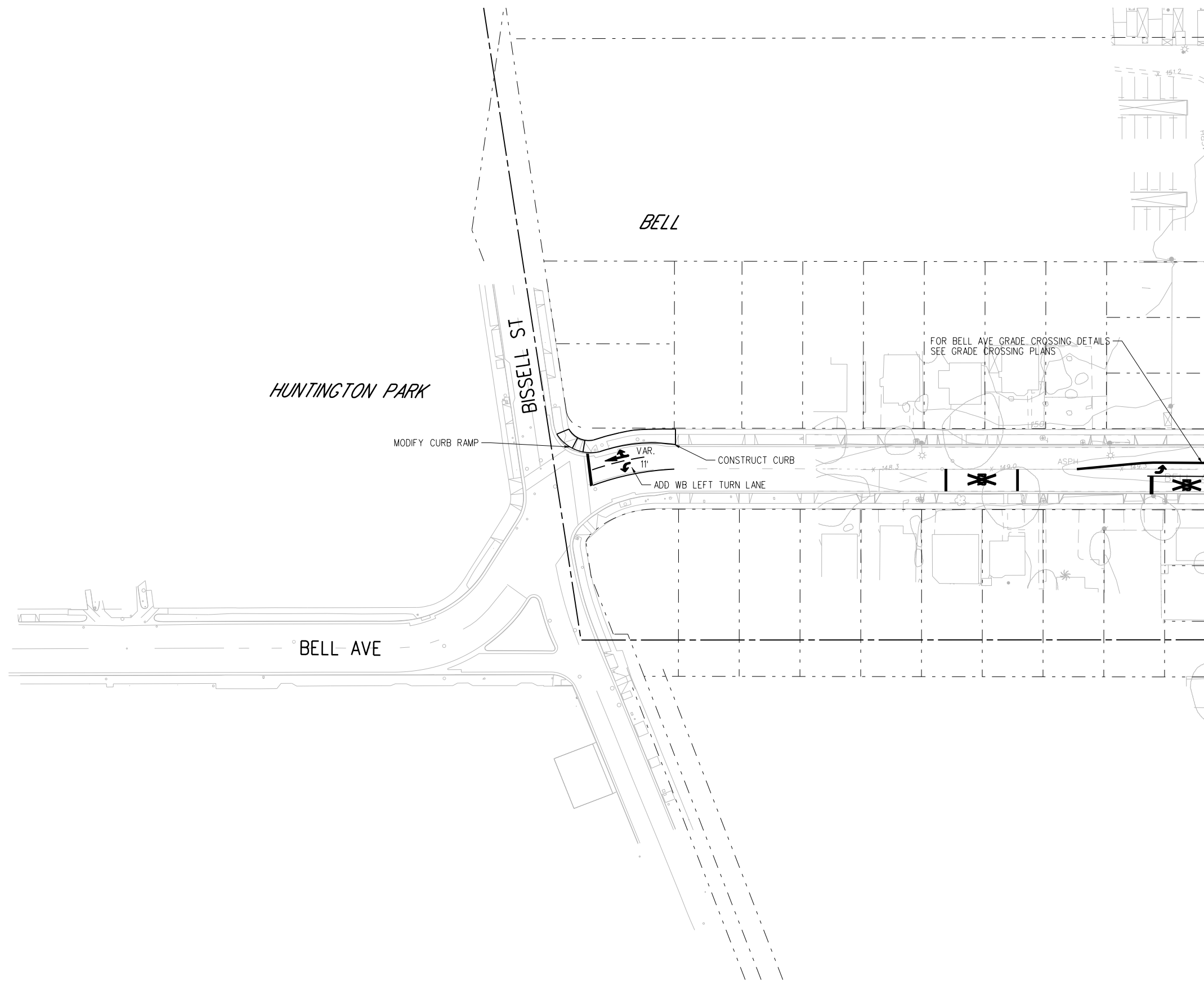
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY SJ	 <b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>	CONTRACT NO. AE5999300						
2	3/17/2023	DRAWN BY RL		DRAWING NO. T-004	REV					
		CHECKED BY SJ		SCALE HOR: 1"=40'						
		IN CHARGE RL		SHEET NO.						
		DATE 3/17/2023		32 OF 41						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071		SUBMITTED _____ APPROVED _____

Plot Driver=MTA-half.pen

Pentable=bw.plt

15-DEC-2023 E-28091AT004.plg

wspdw14-pw-svc 15:59



**FINAL ACE SUBMITTAL - 3/17/23**

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
2	3/17/2023						FINAL ACE SUBMITTAL

DESIGNED BY SJ
DRAWN BY RL
CHECKED BY SJ
IN CHARGE RL
DATE 3/17/2023

**Metro**

**LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY**

515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

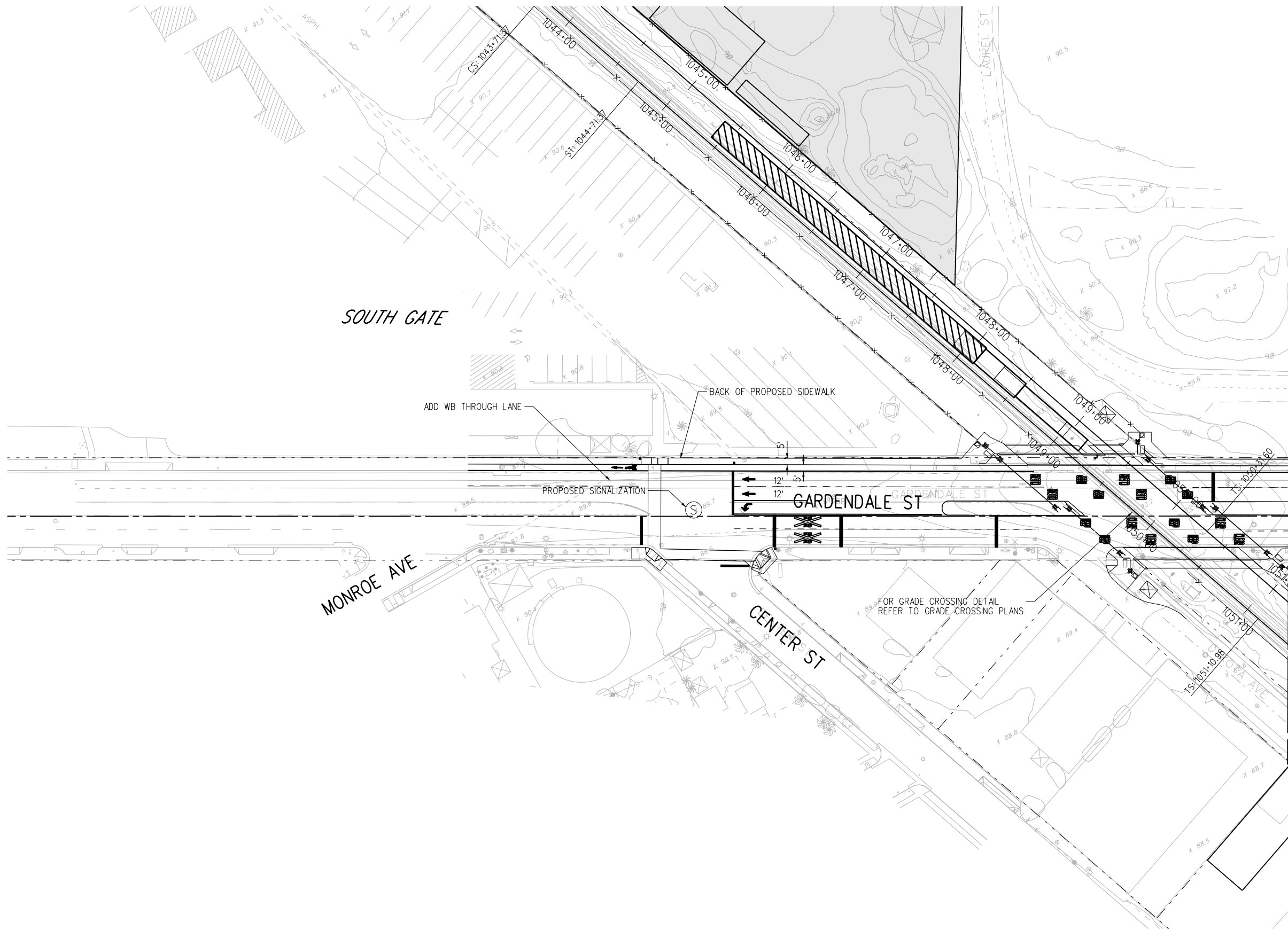
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

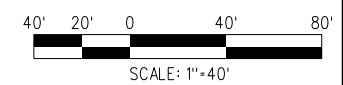
**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
INTERSECTION  
BELL AVE  
PLAN**

CONTRACT NO. <b>AE5999300</b>	
DRAWING NO. <b>T-005</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO. <b>33</b>	OF <b>41</b>




SEE GARDENDALE ST (EAST) INTERSECTION SHEET T-008



**REVISED FINAL ACE SUBMITTAL - 12/7/23**

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.										
3	12/7/2023									REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION			

DESIGNED BY SJ
DRAWN BY RL
CHECKED BY SJ
IN CHARGE RL
DATE 12/7/2023



**Metro**

**LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

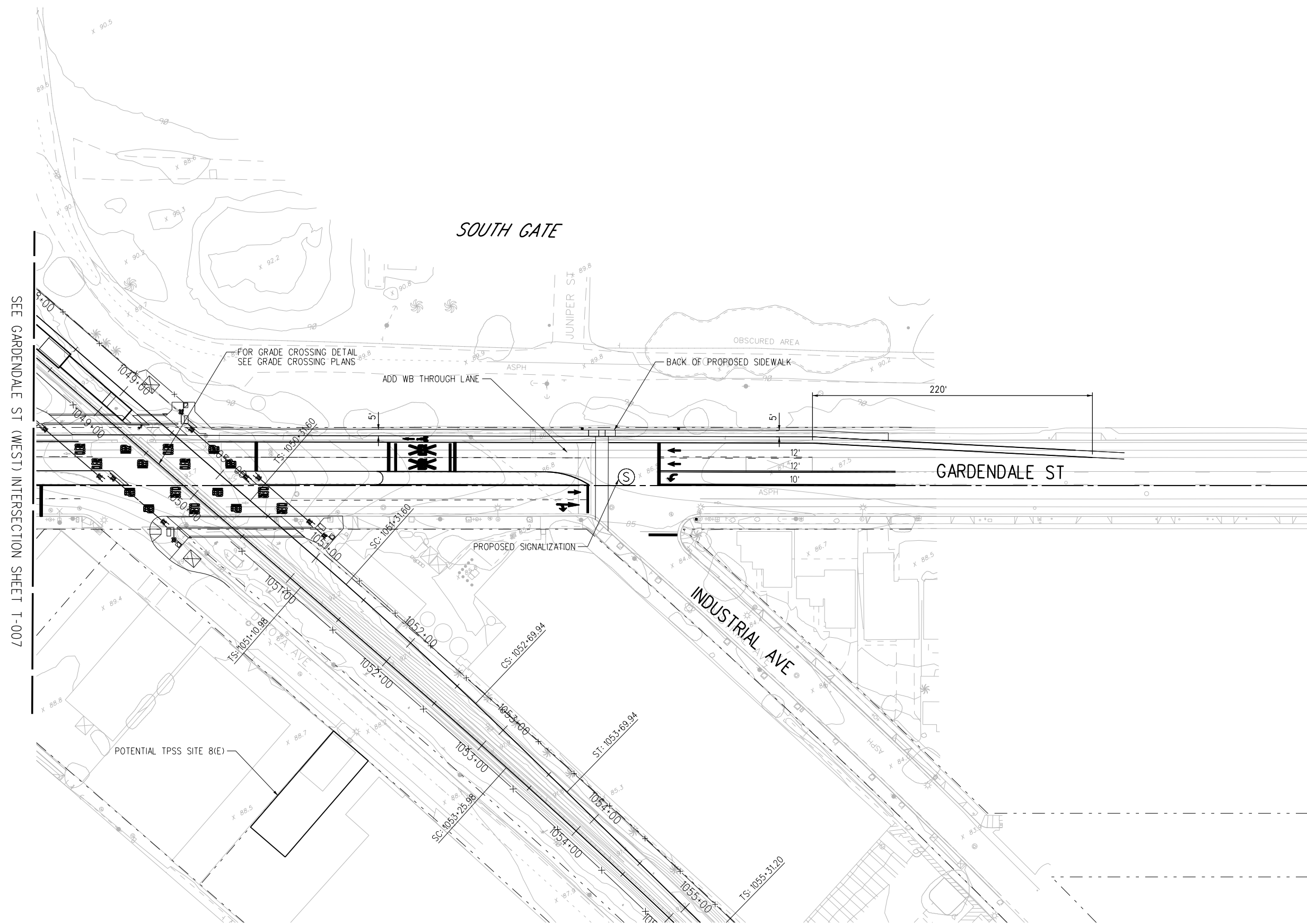
APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

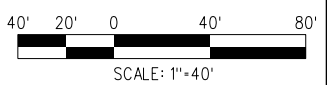
**WEST SANTA ANA BRANCH LRT  
INTERSECTION  
GARDENDALE ST (WEST)  
PLAN**

CONTRACT NO. <b>AE5999300</b>	
DRAWING NO. <b>T-006</b>	REV
SCALE HOR: 1"=40'	
SHEET NO. <b>34</b>	OF <b>41</b>





SEE GARDENDALE ST (WEST) INTERSECTION SHEET T-007



**NOT FOR CONSTRUCTION**

**REVISED FINAL ACE SUBMITTAL - 12/7/23**

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.						
3	12/7/2023					REVISED FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY SJ
DRAWN BY RL
CHECKED BY SJ
IN CHARGE RL
DATE 12/7/2023

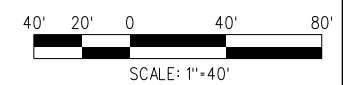
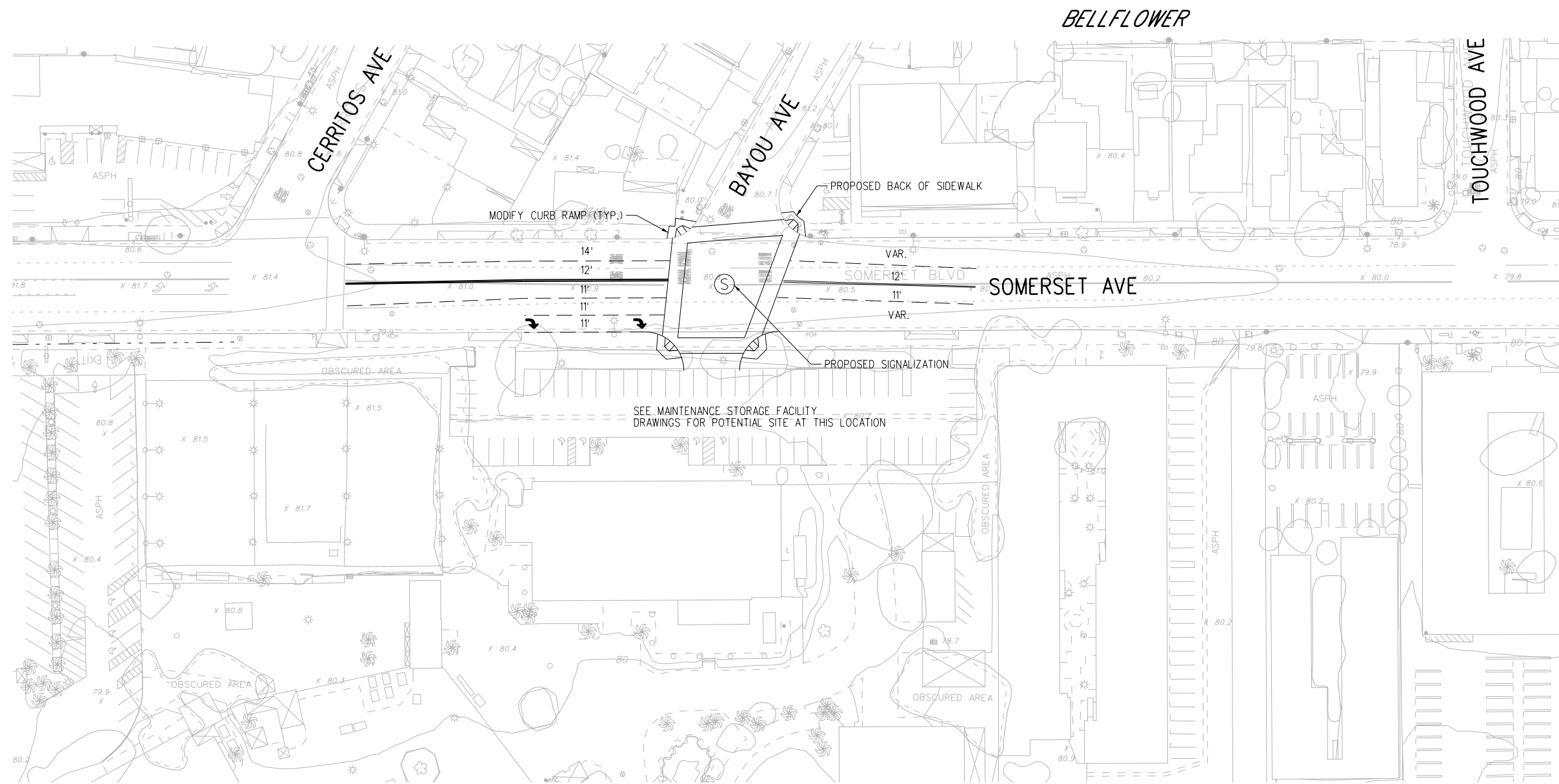
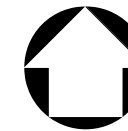
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH LRT INTERSECTION GARDENDALE ST (EAST) PLAN</b>	
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>T-007</b>	
SCALE <b>HOR: 1"=40'</b>	
SHEET NO. <b>35</b>	OF <b>41</b>

15-DEC-2023 E-28091AT007.plg 18:38 wspw14-pw-svc



**NOT FOR CONSTRUCTION**

**FINAL ACE SUBMITTAL - 3/17/23**

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.						
2	3/17/2023					FINAL ACE SUBMITTAL
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY SJ
DRAWN BY RL
CHECKED BY SJ
IN CHARGE RL
DATE 3/17/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

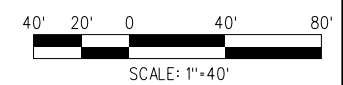
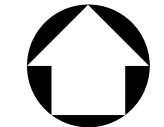
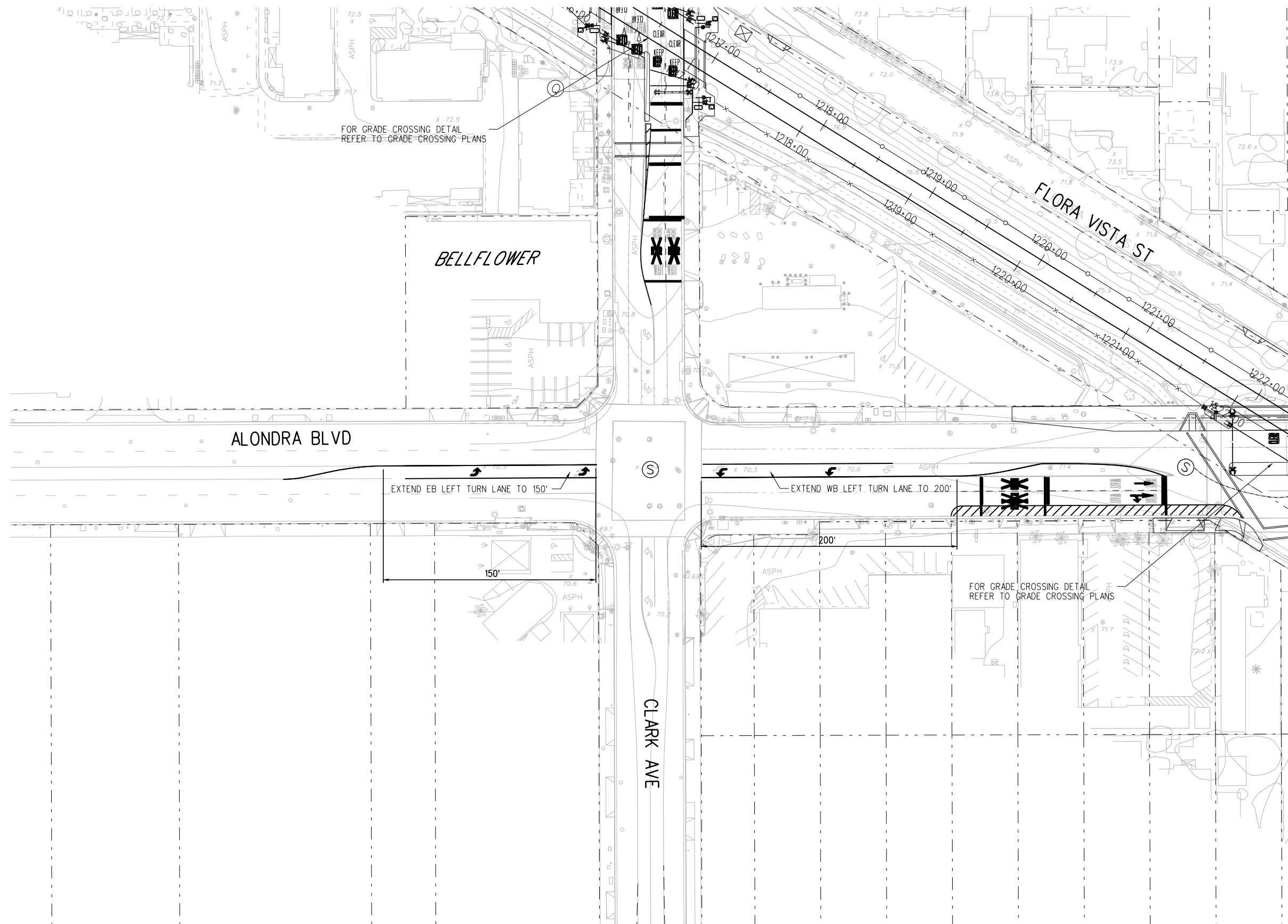
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
INTERSECTION  
SOMERSET BLVD  
PLAN**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>T-008</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>36</b>	OF <b>41</b>

15-DEC-2023 E-28091AT008.plg  
wsppw14\_pw-svc 15:59  
Plot Driver=MTA-half.pen Pentable=bw.plt

15-DEC-2023 E-28091AT009.plg  
 wsdpw14-pw-svc 16:02



**FINAL ACE SUBMITTAL - 3/17/23**

**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
2	3/17/2023						FINAL ACE SUBMITTAL

DESIGNED BY SJ
DRAWN BY RL
CHECKED BY SJ
IN CHARGE RL
DATE 3/17/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

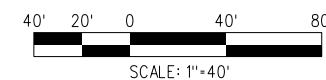
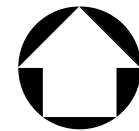
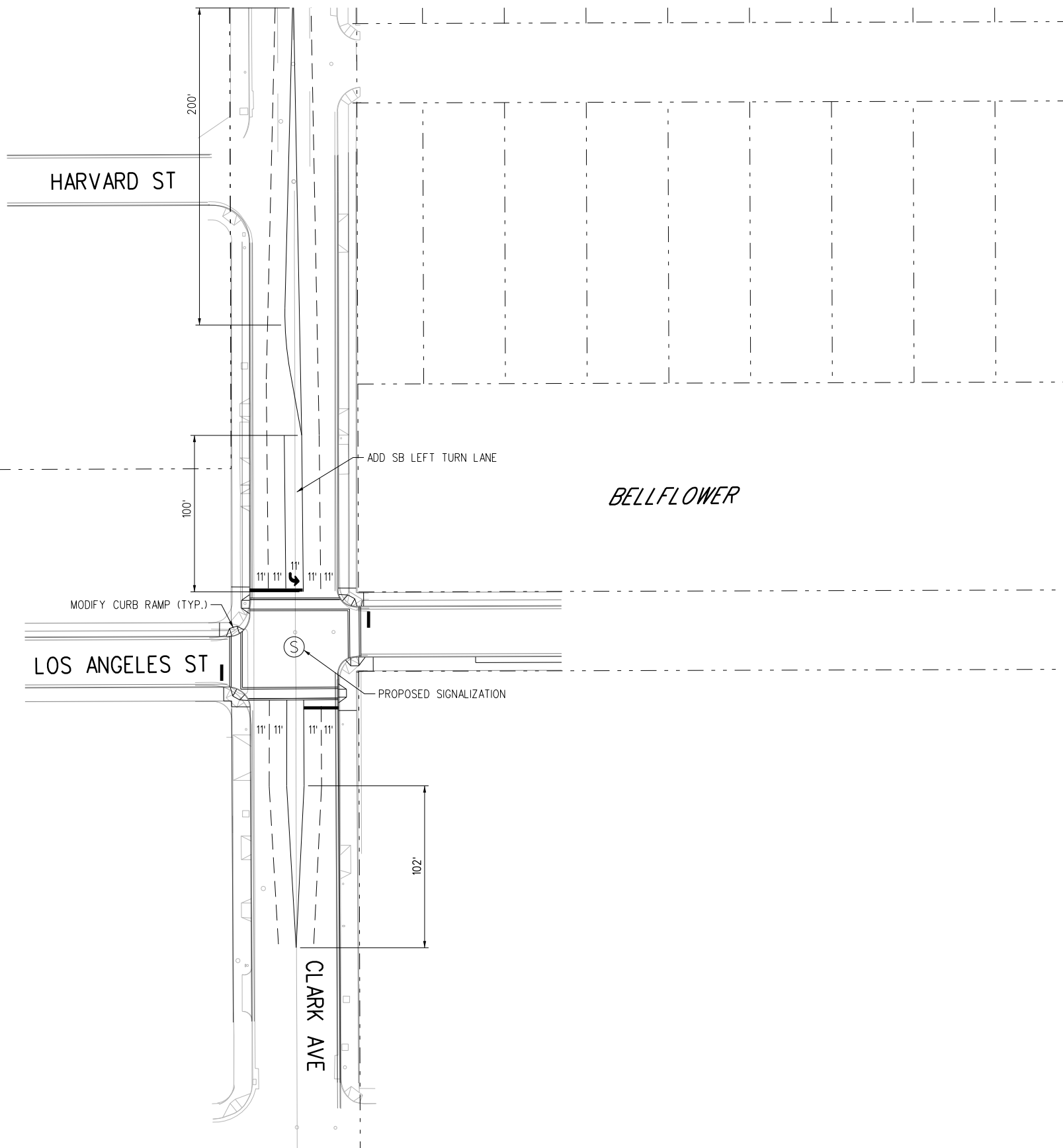
**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH LRT INTERSECTION ALONDRA BLVD PLAN</b>	
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>T-009</b>	
SCALE <b>HOR: 1"=40'</b>	
SHEET NO. <b>37</b>	OF <b>41</b>

15-DEC-2023 E-28091AT010.plg

wsppw14-pw-svc 15:59



**FINAL ACE SUBMITTAL - 3/17/23**

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
2	3/17/2023						FINAL ACE SUBMITTAL

DESIGNED BY SJ
DRAWN BY RL
CHECKED BY SJ
IN CHARGE RL
DATE 3/17/2023



**LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY**

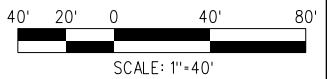
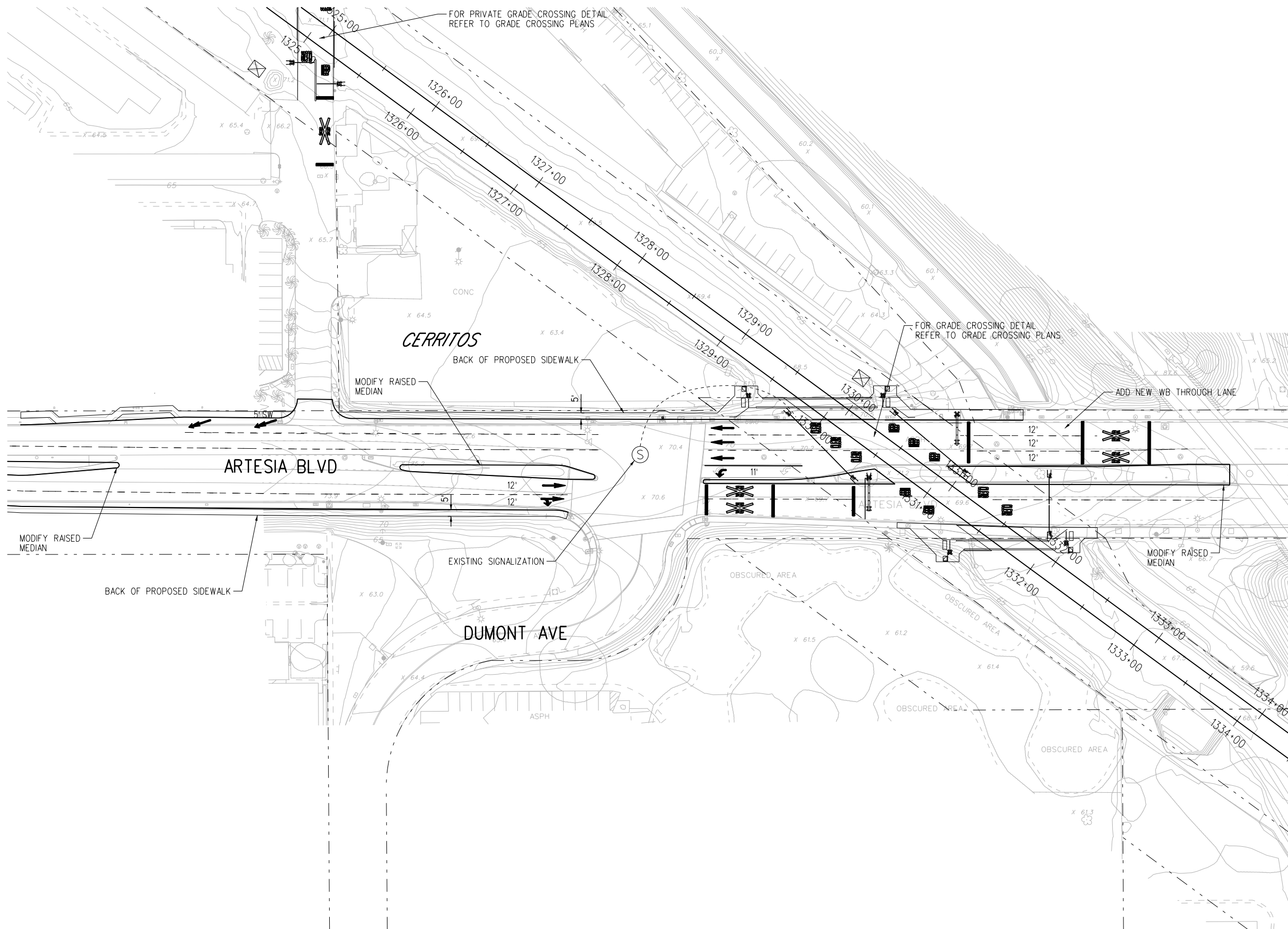
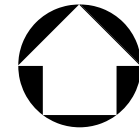
**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
INTERSECTION  
LOS ANGELES ST  
PLAN**

CONTRACT NO. <b>AE5999300</b>	
DRAWING NO. <b>T-010</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO. <b>38</b>	OF <b>41</b>



**NOT FOR CONSTRUCTION**

**FINAL ACE SUBMITTAL - 3/17/23**

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
2	3/17/2023						FINAL ACE SUBMITTAL

DESIGNED BY	SJ
DRAWN BY	RL
CHECKED BY	SJ
IN CHARGE	RL
DATE	3/17/2023

**Metro**

**LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY**

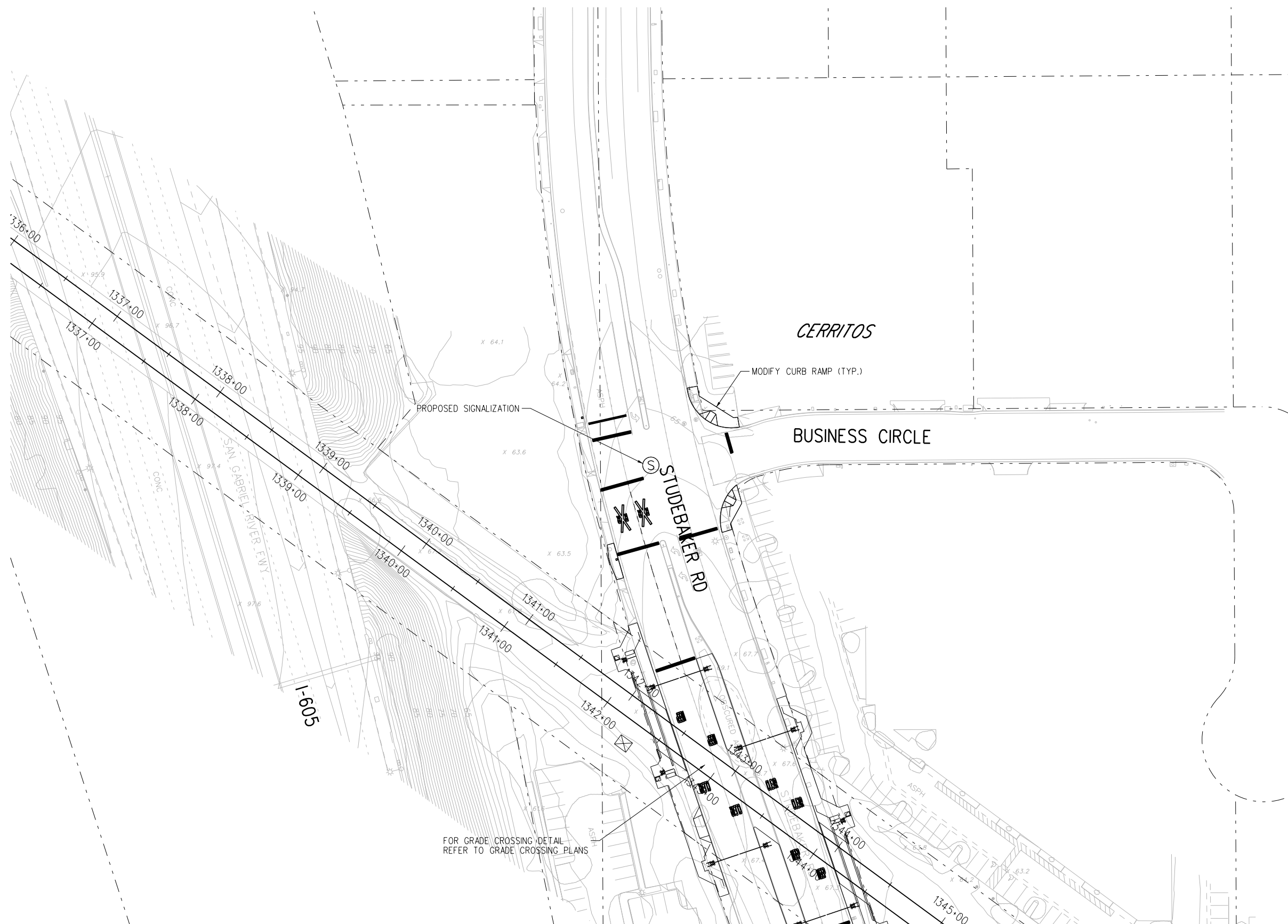
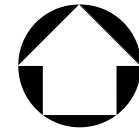
**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

<b>WEST SANTA ANA BRANCH LRT INTERSECTION ARTESIA BLVD PLAN</b>		CONTRACT NO. <b>AE5999300</b>
DRAWING NO. <b>T-011</b>	REV 	
SCALE <b>HOR: 1"=40'</b>		
SHEET NO. <b>39 OF 41</b>		

15-DEC-2023 E-28091AT011.plt  
 wsppw14-pw-svc 15:59  
 Plot Driver=MTA-half.pen Pentable=bw.plt



15-DEC-2023 E-28091AT012.plg

wsppw14-pw-svc 15:59

**FINAL ACE SUBMITTAL - 3/17/23**

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
2	3/17/2023						FINAL ACE SUBMITTAL

DESIGNED BY SJ
DRAWN BY RL
CHECKED BY SJ
IN CHARGE RL
DATE 3/17/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

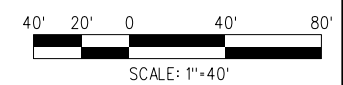
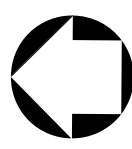
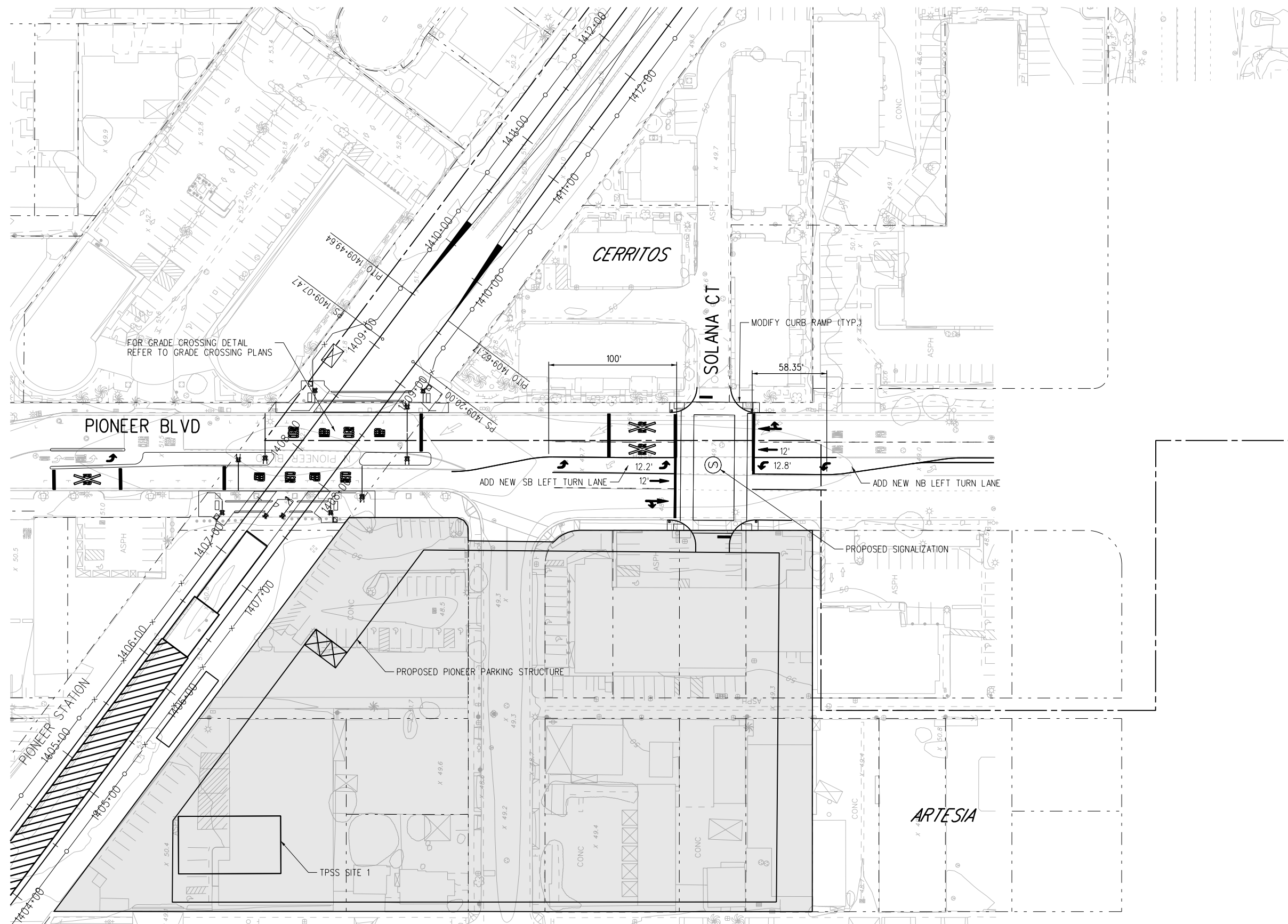
APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
INTERSECTION  
STUDEBAKER RD  
PLAN**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>T-012</b>	REV
SCALE HOR: 1"=40'	
SHEET NO 40	OF 41

15-DEC-2023 E-28091AT013.plg  
 wspw14-pw-svc 16:00



**FINAL ACE SUBMITTAL - 3/17/23**

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
2	3/17/2023						FINAL ACE SUBMITTAL

DESIGNED BY SJ
DRAWN BY RL
CHECKED BY SJ
IN CHARGE RL
DATE 3/17/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT INTERSECTION PIONEER BLVD PLAN**

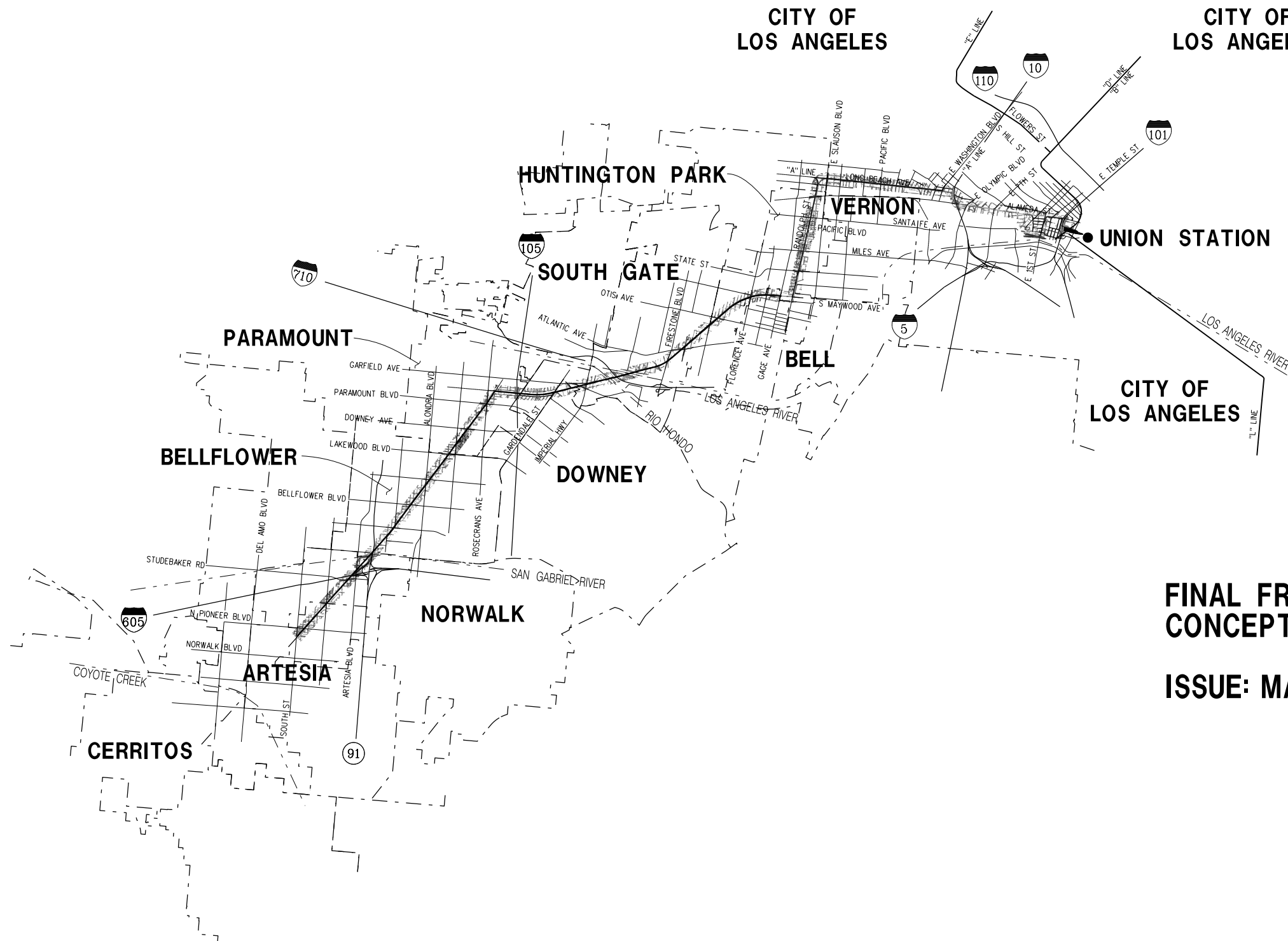
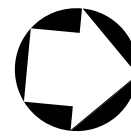
CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>T-013</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>41</b>	OF <b>41</b>



E-28091AG01.plt  
Plot Driver - MTA-half.pen  
Pentable-bw.plt  
wspw14-pw-svc22:13  
16-FEB-2024

CITY OF  
LOS ANGELES

CITY OF  
LOS ANGELES



**FINAL FREIGHT ALIGNMENT  
CONCEPTUAL ENGINEERING**

**ISSUE: MARCH 2024**

**NOT FOR CONSTRUCTION**

# WEST SANTA ANA BRANCH TRANSIT CORRIDOR PROJECT

515 Figueroa Street  
Suite 1400  
Los Angeles, CA 90071  
TEL (213) 362-9470



LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY

**INDEX OF DRAWINGS**

SHT NO	DWG NO	DWG TITLE
<b>GENERAL</b>		
1	GF-002	FREIGHT INDEX
2	GF-003	FREIGHT KEY MAP
3	GF-004	FREIGHT ABBREVIATIONS
4	GF-005	FREIGHT PROJECT MAPPING CONTROL SURVEY CONTROL PLAN
<b>TRACK CHART</b>		
5	TC-001	FREIGHT WILMINGTON/LA HABRA SUBDIVISION TRACK CHART
6	TC-002	FREIGHT SAN PEDRO SUBDIVISION TRACK CHART
7	TC-003	FREIGHT SAN PEDRO SUBDIVISION TRACK CHART
8	TC-004	FREIGHT PARAMOUNT INDUSTRIAL LEAD TRACK CHART
<b>TRACKWORK</b>		
9	TF-101	FREIGHT WILMINGTON BRANCH PLAN & PROFILE STA 650+50 TO STA 660+75
10	TF-102	FREIGHT WILMINGTON/LA HABRA BRANCH PLAN & PROFILE STA 660+75 TO STA 671+00
11	TF-103	FREIGHT LA HABRA BRANCH PLAN & PROFILE STA 671+00 TO STA 680+50
12	TF-103A	FREIGHT LA HABRA BRANCH PLAN WILMINGTON SUBDIVISION TRACK
13	TF-104	FREIGHT LA HABRA BRANCH PLAN & PROFILE STA 680+50 TO STA 690+50
14	TF-105	FREIGHT LA HABRA BRANCH PLAN & PROFILE STA 690+50 TO STA 700+50
15	TF-106	FREIGHT LA HABRA BRANCH PLAN & PROFILE STA 700+50 TO STA 710+50
16	TF-107	FREIGHT LA HABRA BRANCH PLAN & PROFILE STA 710+50 TO STA 720+50
17	TF-108	FREIGHT LA HABRA BRANCH PLAN & PROFILE STA 720+50 TO STA 730+50
18	TF-109	FREIGHT LA HABRA BRANCH PLAN & PROFILE STA 730+50 TO STA 740+50
19	TF-110	FREIGHT LA HABRA BRANCH PLAN & PROFILE STA 740+50 TO STA 750+50
20	TF-111	FREIGHT LA HABRA BRANCH PLAN & PROFILE STA 750+50 TO STA 760+50
21	TF-112	FREIGHT LA HABRA BRANCH PLAN & PROFILE STA 760+50 TO STA 770+50
22	TF-113	FREIGHT LA HABRA BRANCH PLAN & PROFILE STA 770+50 TO STA 780+50
23	TF-114	FREIGHT LA HABRA BRANCH PLAN & PROFILE STA 780+50 TO STA 789+75
24	TF-115	FREIGHT LA HABRA BRANCH PLAN & PROFILE STA 782+00 TO STA 790+00
25	TF-116	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 790+00 TO STA 800+00
26	TF-201	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 800+00 TO STA 809+50
27	TF-202	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 809+50 TO STA 818+50
28	TF-203	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 818+50 TO STA 827+50
29	TF-204	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 827+50 TO STA 837+50
30	TF-205	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 837+50 TO STA 846+50
31	TF-206	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 846+50 TO STA 856+50
32	TF-207	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 856+50 TO STA 865+50
33	TF-208	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 865+50 TO STA 875+50
34	TF-209	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 875+50 TO STA 883+50
35	TF-210	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 883+50 TO STA 892+50
36	TF-211	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 892+50 TO STA 900+50
37	TF-212	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 900+50 TO STA 910+50
38	TF-213	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 910+50 TO STA 920+50
39	TF-214	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 920+50 TO STA 930+50
40	TF-215	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 930+50 TO STA 939+50
41	TF-216	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 939+50 TO STA 948+50
42	TF-217	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 948+50 TO STA 958+50
43	TF-218	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 958+50 TO STA 968+50
44	TF-219	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 968+50 TO STA 978+50
45	TF-220	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 978+50 TO STA 988+50
46	T-125	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 988+50 TO STA 998+50
47	T-126	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 998+50 TO STA 1008+50
48	T-126B	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 1008+50 TO STA 1018+50
49	T-127	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 1018+50 TO STA 1028+50

SHT NO	DWG NO	DWG TITLE
<b>TRACKWORK CONT.</b>		
50	T-127A	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 1028+50 TO STA 1038+50
51	T-127B	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 1038+50 TO STA 1045+50
52	T-128	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 1045+50 TO STA 1055+50
53	T-128A	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 1055+50 TO STA 1064+50
54	T-128B	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 1064+50 TO STA 1074+50
55	T-129	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 1074+50 TO STA 1084+50
56	T-130	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 1084+50 TO STA 1094+50
57	TF-232	FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 1094+50 TO STA 1104+50
58	TF-233	FREIGHT SAN PEDRO BRANCH/PEROW PLAN & PROFILE STA 1104+50 TO STA 1111+50
59	TF-234	FREIGHT PEROW PLAN & PROFILE STA 1111+50 TO STA 1121+50
60	TF-235	FREIGHT PEROW PLAN & PROFILE STA 1121+50 TO STA 1130+50
61	TF-236	FREIGHT PEROW PLAN & PROFILE STA 1130+50 TO STA 1140+50
62	TF-237	FREIGHT PEROW PLAN & PROFILE STA 1140+50 TO STA 1150+50
63	TF-238	FREIGHT PEROW PLAN & PROFILE STA 1150+50 TO STA 1160+50
64	TF-239	FREIGHT PEROW PLAN & PROFILE STA 1160+50 TO STA 1170+50
65	TF-240	FREIGHT PEROW PLAN & PROFILE STA 1170+50 TO STA 1180+50

**TYPICAL SECTIONS**

66	TFX-101	FREIGHT NORTHERN ALIGNMENT TYPICAL SECTIONS
67	TFX-102	FREIGHT NORTHERN ALIGNMENT TYPICAL SECTIONS
68	TFX-103	FREIGHT NORTHERN ALIGNMENT TYPICAL SECTIONS
69	TFX-104	FREIGHT NORTHERN ALIGNMENT TYPICAL SECTIONS
70	TFX-105	FREIGHT NORTHERN ALIGNMENT TYPICAL SECTIONS
71	TFX-106	FREIGHT NORTHERN ALIGNMENT TYPICAL SECTIONS
72	TFX-107	FREIGHT NORTHERN ALIGNMENT TYPICAL SECTIONS
73	TFX-108	FREIGHT NORTHERN ALIGNMENT TYPICAL SECTIONS
74	TFX-109	FREIGHT NORTHERN ALIGNMENT TYPICAL SECTIONS
75	TFX-110	FREIGHT NORTHERN ALIGNMENT TYPICAL SECTIONS
76	TFX-111	FREIGHT NORTHERN ALIGNMENT TYPICAL SECTIONS
77	TFX-112	FREIGHT NORTHERN ALIGNMENT TYPICAL SECTIONS
78	TFX-201	FREIGHT SOUTHERN ALIGNMENT TYPICAL SECTIONS
79	TFX-202	FREIGHT SOUTHERN ALIGNMENT TYPICAL SECTIONS
80	TFX-203	FREIGHT SOUTHERN ALIGNMENT TYPICAL SECTIONS
81	TFX-204	FREIGHT SOUTHERN ALIGNMENT TYPICAL SECTIONS
82	TFX-205	FREIGHT SOUTHERN ALIGNMENT TYPICAL SECTIONS
83	TFX-206	FREIGHT SOUTHERN ALIGNMENT TYPICAL SECTIONS
84	TFX-207	FREIGHT SOUTHERN ALIGNMENT TYPICAL SECTIONS
85	TFX-208	FREIGHT SOUTHERN ALIGNMENT TYPICAL SECTIONS
86	TFX-209	FREIGHT SOUTHERN ALIGNMENT TYPICAL SECTIONS
87	TFX-210	FREIGHT SOUTHERN ALIGNMENT TYPICAL SECTIONS
88	TFX-211	FREIGHT SOUTHERN ALIGNMENT TYPICAL SECTIONS
89	TFX-212	FREIGHT SOUTHERN ALIGNMENT TYPICAL SECTIONS
90	TFX-213	FREIGHT SOUTHERN ALIGNMENT TYPICAL SECTIONS
91	TFX-214	FREIGHT SOUTHERN ALIGNMENT TYPICAL SECTIONS

**CONSTRUCTION STAGING**

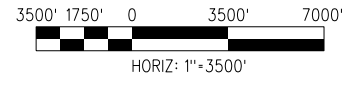
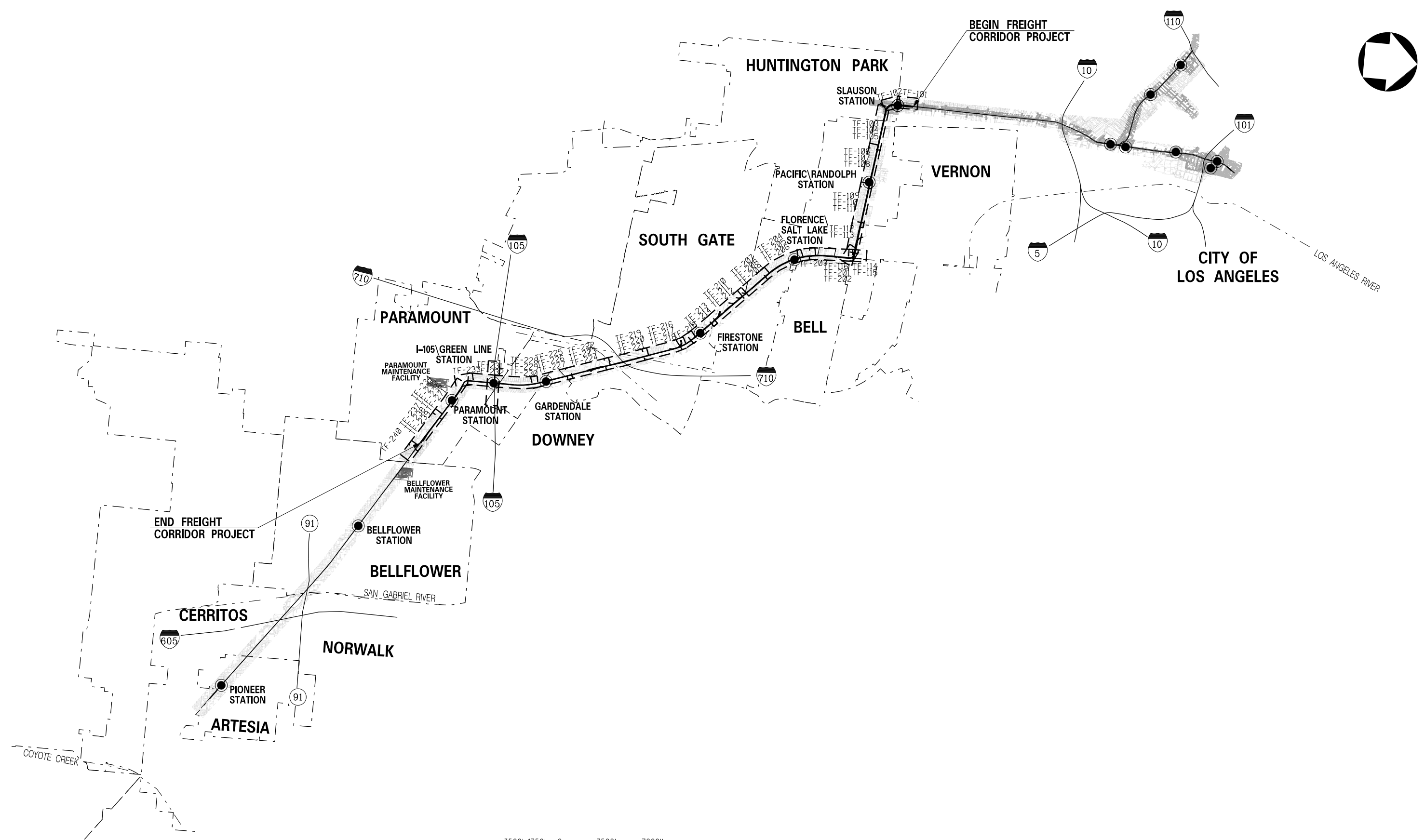
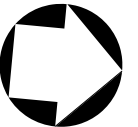
92	CS-001	FREIGHT LA HABRA SUBDIVISION CONSTRUCTION STAGING
93	CS-002	FREIGHT SAN PEDRO SUBDIVISION 1 CONSTRUCTION STAGING
94	CS-003	FREIGHT SAN PEDRO SUBDIVISION 2 CONSTRUCTION STAGING
95	CS-004	FREIGHT SAN PEDRO SUBDIVISION 3 CONSTRUCTION STAGING
96	CS-005	FREIGHT PARAMOUNT INDUSTRIAL LEAD CONSTRUCTION STAGING

**NOT FOR CONSTRUCTION**

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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 JS	 <b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>   515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	WEST SANTA ANA BRANCH FREIGHT TRACK  <b>FREIGHT</b>  INDEX	CONTRACT NO AE5999300	
								DRAWN BY HX			DRAWING NO GF-002	REV
								CHECKED BY JSP			SCALE	
								IN CHARGE RL			SHEET NO	
	1	3/17/2023						DATE 3/17/2023			1	OF 96

15-DEC-2023 E-28091AGF002.plg  
 wspw14-pw-svc 02:53  
 Plot Driver=MTA-half.pen Pentable=bw.plt



PLAN

**NOT FOR CONSTRUCTION**

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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.	
1	3/17/2023
	FINAL FREIGHT PLAN SUBMITTAL

DESIGNED BY JS
DRAWN BY HX
CHECKED BY JSP
IN CHARGE RL
DATE 3/17/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK FREIGHT KEY MAP**

CONTRACT NO AE5999300
DRAWING NO GF-003
SCALE
SHEET NO 2 OF 96

15-DEC-2023 E-28091AGF003.plg  
wsppw14-pw-svc 02:54  
Plot Driver=MTA-half.pen Pentable=bw.plt

LIST OF ABBREVIATIONS

ALT	ALTERNATIVE	N	NORTH
ANT	ANTENNA	NTS	NOT TO SCALE
APPROX	APPROXIMATE	OCS	OVERHEAD CATENARY SYSTEM
ART	ARTS DISTRICT SOUTH STATION	OG	ORIGINAL GROUND/GRADE
BC	BEGINNING OF CURVE	OH	OVERHEAD
BDRY	BOUNDARY	OPP	OPPOSITE
BEG	BEGIN	PED	PEDESTRIAN
BLDG	BUILDING	PG	PROFILE GRADE
BM	BENCH MARK	PI	POINT OF INTERSECTION
BOW	BACK OF SIDEWALK	PITO	POINT OF INTERSECTION OF TURNOUT
BVC	BEGIN OF VERTICAL CURVE	PL	PROPERTY LINE
B/W	BACK OF WALL	PP	POWER POLE
C/C	CENTER TO CENTER	PROP	PROPOSED
CIDH	CAST-IN-DRILLED-HOLE	PS	POINT OF SWITCH
CL	CLEARANCE, CENTER LINE	PVC	POINT OF VERTICAL CURVE
COL	COLUMN	PVI	POINT OF VERTICAL INTERSECTION
CONC	CONCRETE	PVMT	PAVEMENT
Dc	DEGREE OF CURVE	PVT	POINT OF VERTICAL TANGENCY
Delta	CENTRAL ANGLE	R	RADIUS
DWY	DRIVEWAY	RR	RAILROAD
E	EAST	RT	RIGHT
Ea	ACTUAL SUPERELEVATION	RW	RETAINING WALL
EB	EASTBOUND	R/W	RIGHT-OF-WAY
EC	END OF CURVE	SD	STORM DRAIN
EL	ELEVATION	SOE	SUPPORT OF EXCAVATION
EP	EDGE OF PAVEMENT	SS	SANITARY SEWER
ESMT	EASEMENT	STA	STATION, STATIONING
Eu	UNBALANCED SUPERELEVATION	SW	SIDEWALK
EVC	END OF VERTICAL CURB/CURVE	TCL	TRACK CENTERLINES DISTANCE
EXC	EXCAVATION	TOPO	TOPOGRAPHY
EXIST	EXISTING	TP	TRACTION POWER
FG	FINISHED GRADE	TPSS	TRACTION POWER SUBSTATION
FS	FINISHED SURFACE	TOR	TOP OF RAIL
GR	GRADE	T/R	TOP OF RAIL
H	HIGH, HEIGHT	TYP	TYPICAL
HORIZ	HORIZONTAL	UPE	UNDER PLATFORM EXHAUST
JT	JOINT	V	SPEED, ALGEBRAIC DIFFERENCE IN GRADE
L	LENGTH, LENGTH OF CURVE	VAR	VARIES
LA	LOS ANGELES	VC	VERTICAL CURVE
LRT	LIGHT RAIL TRANSIT	WB	WESTBOUND
LS	LENGTH OF SPIRAL	XO	CROSSOVER
LT	LEFT	XSEC	CROSS SECTION
MED	MEDIAN		
MIN	MINIMUM		
MISC	MISCELLANEOUS		
MP	MILEPOST		
MWD	METROPOLITAN WATER DISTRICT		

GENERAL NOTES

- THIS PLAN SET DEPICTS A MINIMUM 20' OFFSET BETWEEN FREIGHT TRACK AND THE NEAREST LRT TRACK.
- DESIGN IS CONCEPTUAL IN NATURE, FOR PURPOSE OF ESTABLISHING ENVIRONMENTAL FOOTPRINT.
- MAJOR UTILITY LOCATIONS AND IMPACTS REQUIRE FURTHER COORDINATION AND REVIEW.
- PLACEMENT OF COLUMNS AND OUTRIGGERS IS PRELIMINARY AND MAY BE ADJUSTED DURING A FUTURE DESIGN PHASE.
- COORDINATION NEEDED WITH FREIGHT RAILROADS AND CALTRANS.
- FURTHER COORDINATION REQUIRED WITH PROJECTS AS LISTED: RAIL TO RAIL/RIVER CORRIDOR, HOLLYDALE VILLAGE SPECIFIC PLAN, RANCHO LOS AMIGOS RE-DEVELOPMENT, BELLFLOWER-PARAMOUNT JOINT BIKE AND TRAIL MASTER PLAN.
- GRADE CROSSING, EXISTING UTILITIES, AND STATION DESIGNS ARE IN SEPARATE DRAWING SETS.
- STATIONS FOR THE CROSS SECTIONS ARE BASED ON THE EXIST FREIGHT TRACK  $\phi$  OR THE RELOCATED  $\phi$  FREIGHT TRACK.
- UPRR GENERAL NOTES FOUND HERE: [https://www.up.com/customers/inddev/operations/specs/public\\_projects/index.htm](https://www.up.com/customers/inddev/operations/specs/public_projects/index.htm)
- UPRR GENERAL CONDITIONAL AND SPECIFICATIONS WILL BE FOLLOWED UNLESS PROJECT SPECIFICATIONS EXCEED AND DEVIATIONS ARE APPROVED BY UPRR ENGINEER.
- UPRR SPECIFICATIONS WILL BE USED IN THEIR ENTIRETY, IN THEIR ORIGINAL FORMAT FOR ALL WORK ON UPRR ROW. ANY ADDITIONAL PROJECT SPECIFICATION MUST BE SUBMITTED FOR REVIEW.
- MILE POST SHOWN ON THE PLANS ARE BASED ON UPRR TRACK CHARTS FOR LA HABRA SUBDIVISION, SAN PEDRO SUBDIVISION, AND PARAMOUNT INDUSTRIAL LEAD.
- THE DESIGNATED "RELOCATED FREIGHT TRACK" IN THESE PLANS WILL BE NEW CONSTRUCTION. RAIL WILL BE 136RE CWR.
- DESIGN OF THE PROJECT WILL COMPLY WITH APPLICABLE STATE, LOCAL, AND CITY CODE REQUIREMENTS. COORDINATION WITH INDIVIDUAL AGENCIES AND JURISDICTIONS WILL CONTINUE THROUGHOUT DESIGN REGARDING CHANGES OR ANY EXCEPTIONS TO CODES.

SYMBOLOLOGY LEGEND

	BRIDGE ABUTMENT
	BRIDGE COLUMN
	DERAIL
	EDGE OF DECK
	EXIST FREIGHT TRACK
	EXIST FREIGHT TRACK TO BE REMOVED
	FREIGHT MILEPOST
	PROPOSED FENCE LINE
	PROPOSED LRT TRACK
	PROPOSED RETAINING WALL
	PROPOSED R/W
	PROPOSED PRIVACY WALL
	PROPOSED SOUND WALL
	RELOCATED FREIGHT TRACK
	STRADDLE BENT
	TURNOUT

15-DEC-2023 E-28091AGF004.plg

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

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 JS
		DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
1	3/17/2023	DATE 3/17/2023
		FINAL FREIGHT PLAN SUBMITTAL

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

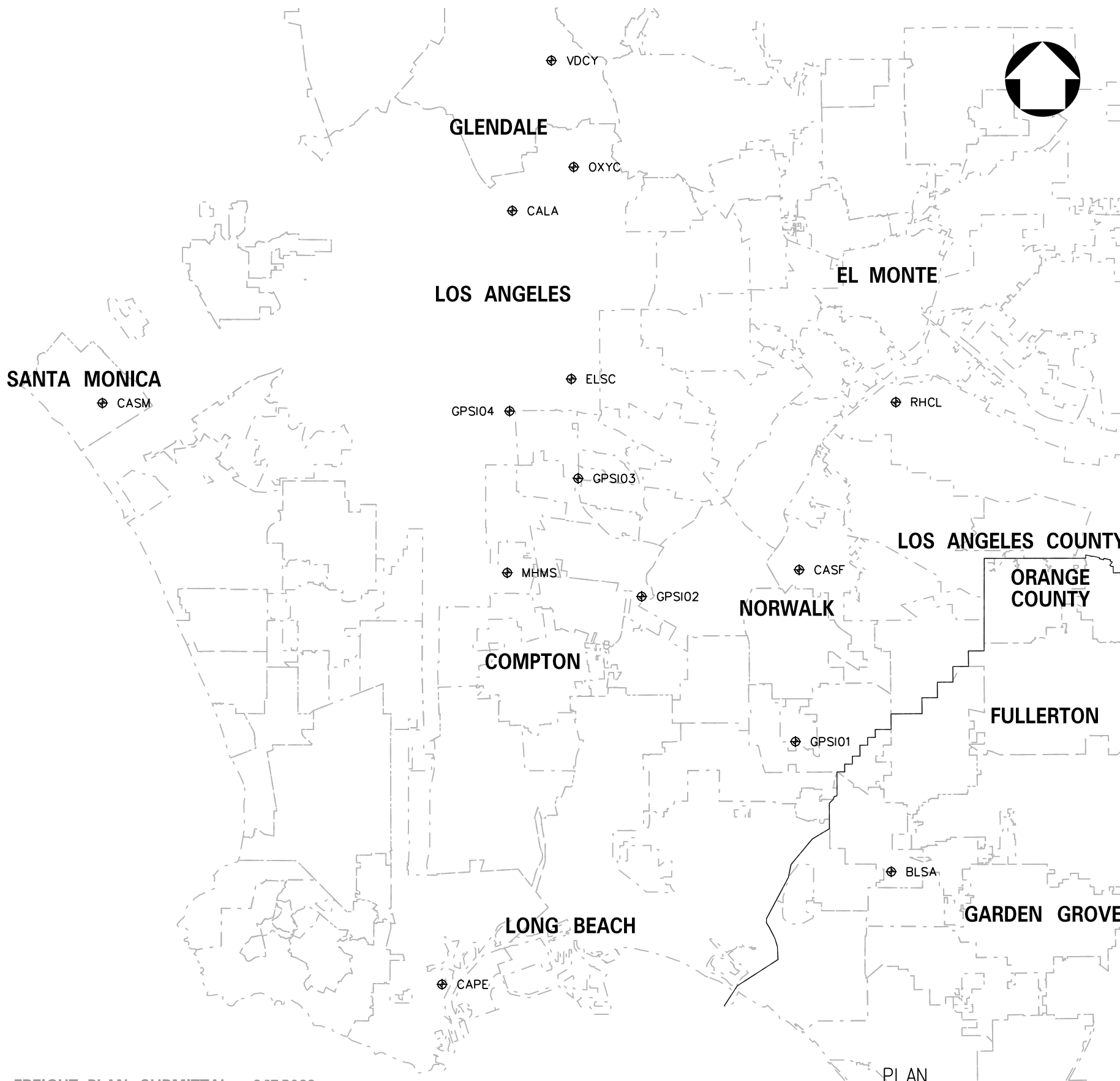
APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

WEST SANTA ANA BRANCH FREIGHT TRACK FREIGHT

ABBREVIATIONS

CONTRACT NO	AE5999300
DRAWING NO	GF-004
SCALE	
SHEET NO	3 OF 96



**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"

15-DEC-2023 E-28091AW101.plt  
wsppw14-pw-svc 02:55

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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		DRAWN BY HX	
		CHECKED BY JSP	
		IN CHARGE RL	
		DATE 3/17/2023	
1	3/17/2023		FINAL FREIGHT PLAN SUBMITTAL

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

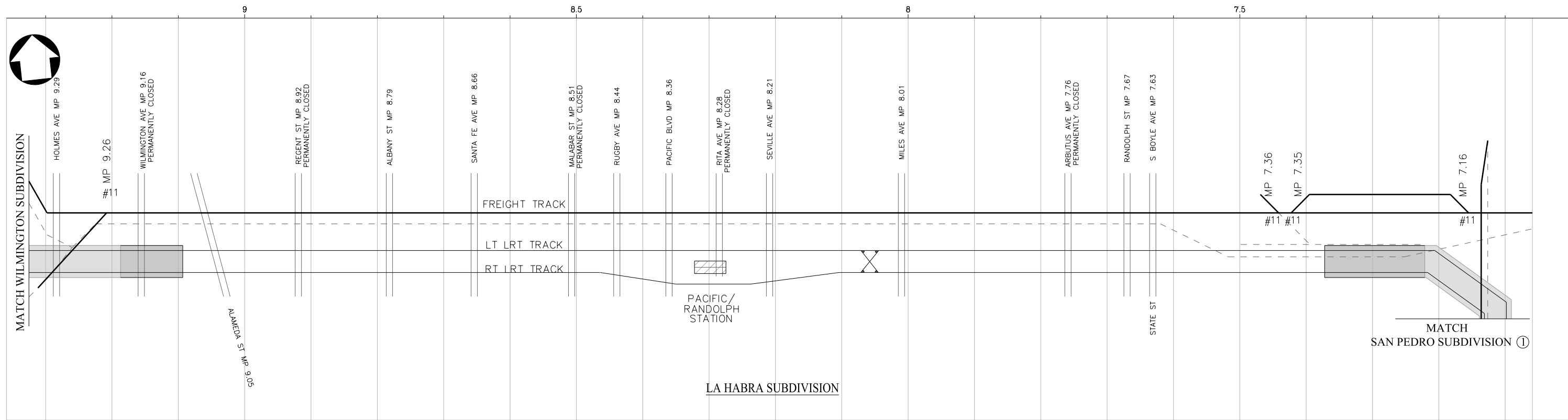
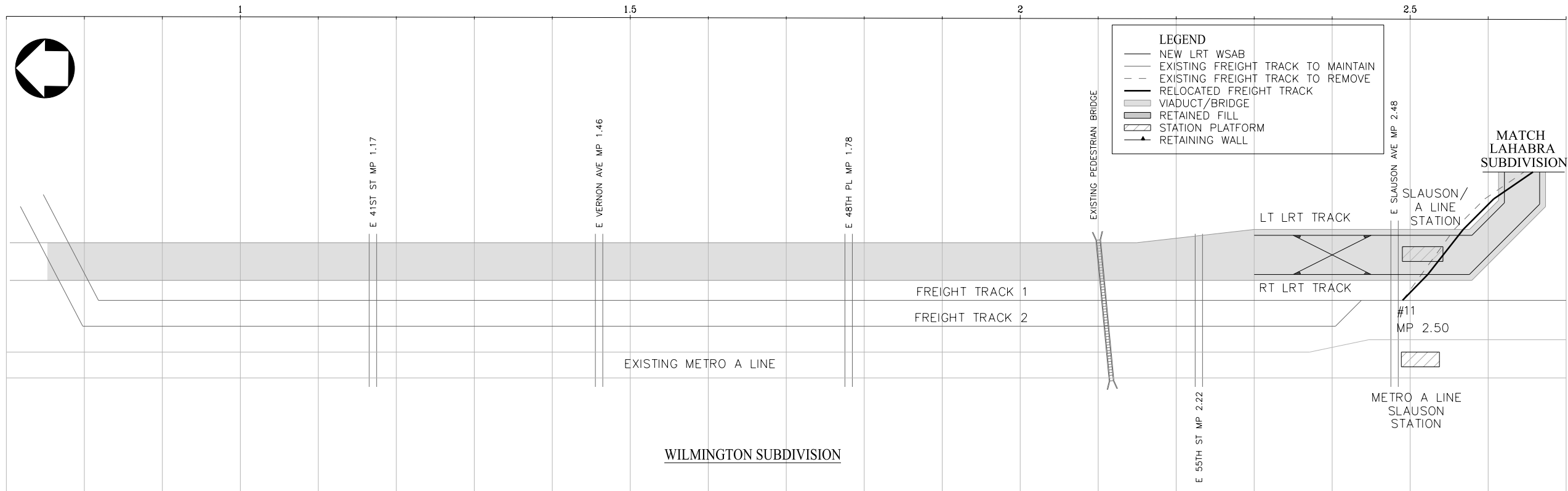
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT PROJECT MAPPING CONTROL SURVEY CONTROL PLAN**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>GF-005</b>	REV
SCALE <b>1"=10000'</b>	
SHEET NO <b>4</b>	OF <b>96</b>

**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATC001.plg  
wspw14-pw-svc 02:54



**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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		DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
		DATE 3/17/2023
1	3/17/2023	FINAL FREIGHT PLAN SUBMITTAL



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

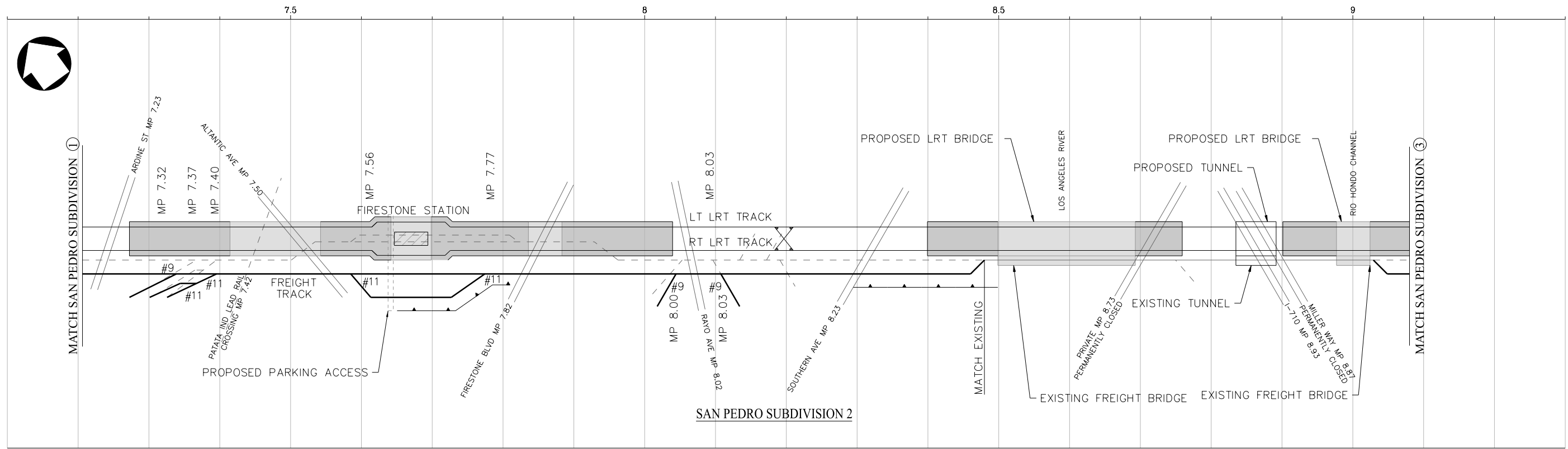
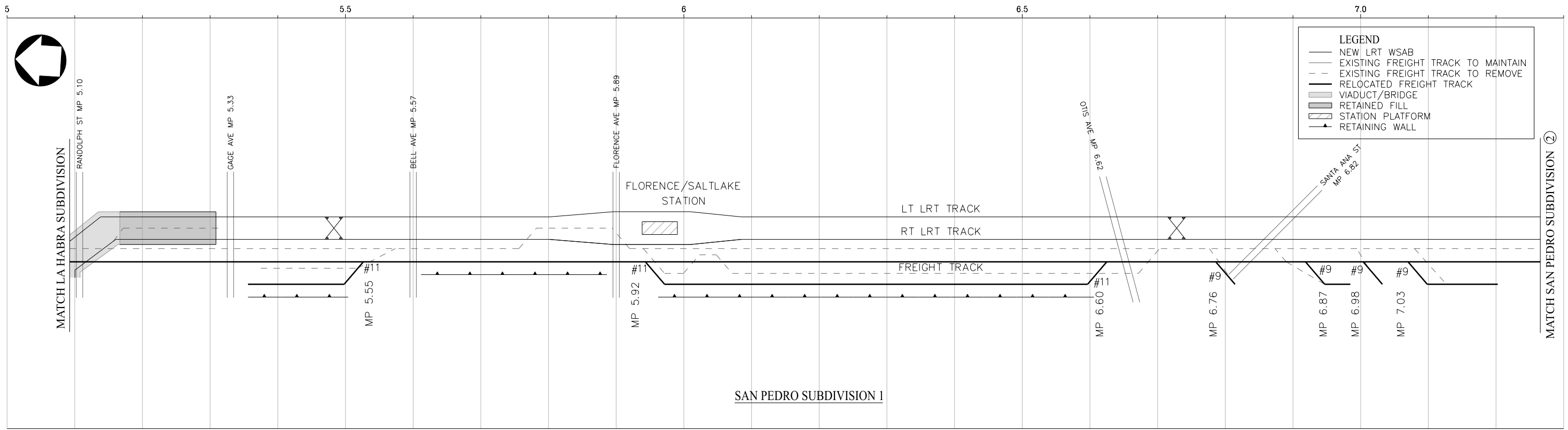
**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH FREIGHT TRACK  
FREIGHT  
WILMINGTON\LA HABRA SUBDIVISION  
TRACK CHART**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>TC-001</b>	REV
SCALE <b>1" = 400'</b>	
SHEET NO <b>5</b>	OF <b>96</b>



15-DEC-2023 E-28091ATC002.plg

wspw14-pw-svc 02:55

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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		DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
		DATE 3/17/2023
1	3/17/2023	FINAL FREIGHT PLAN SUBMITTAL



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

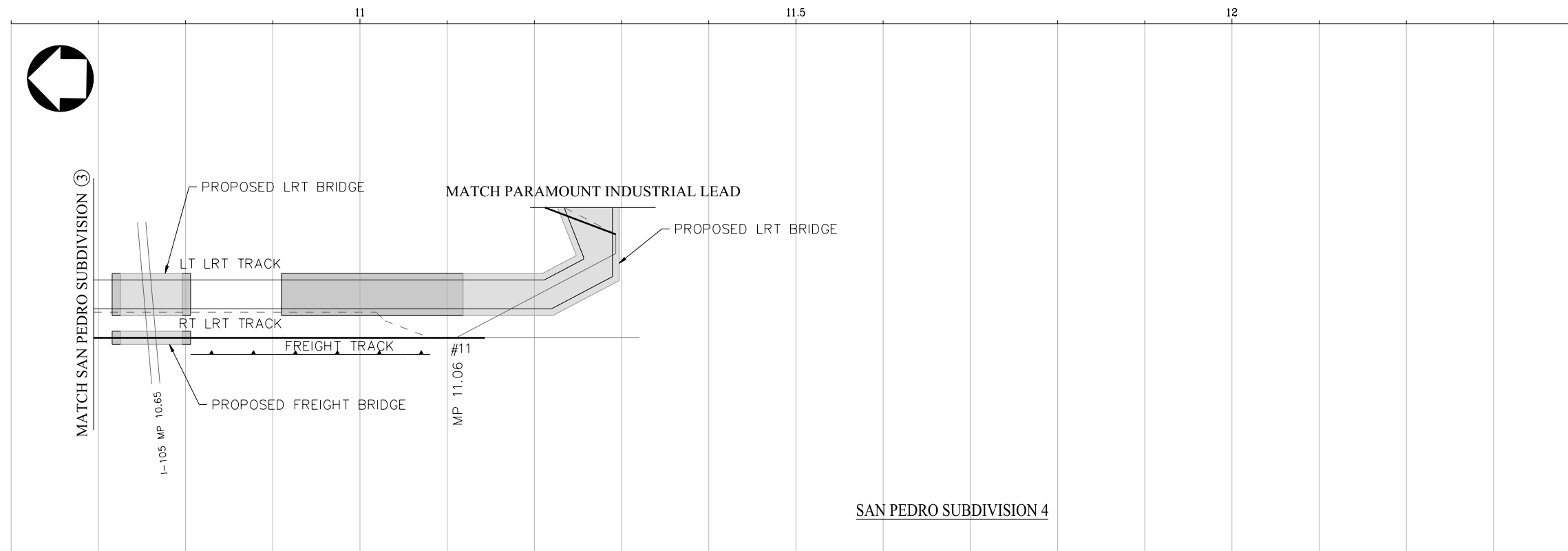
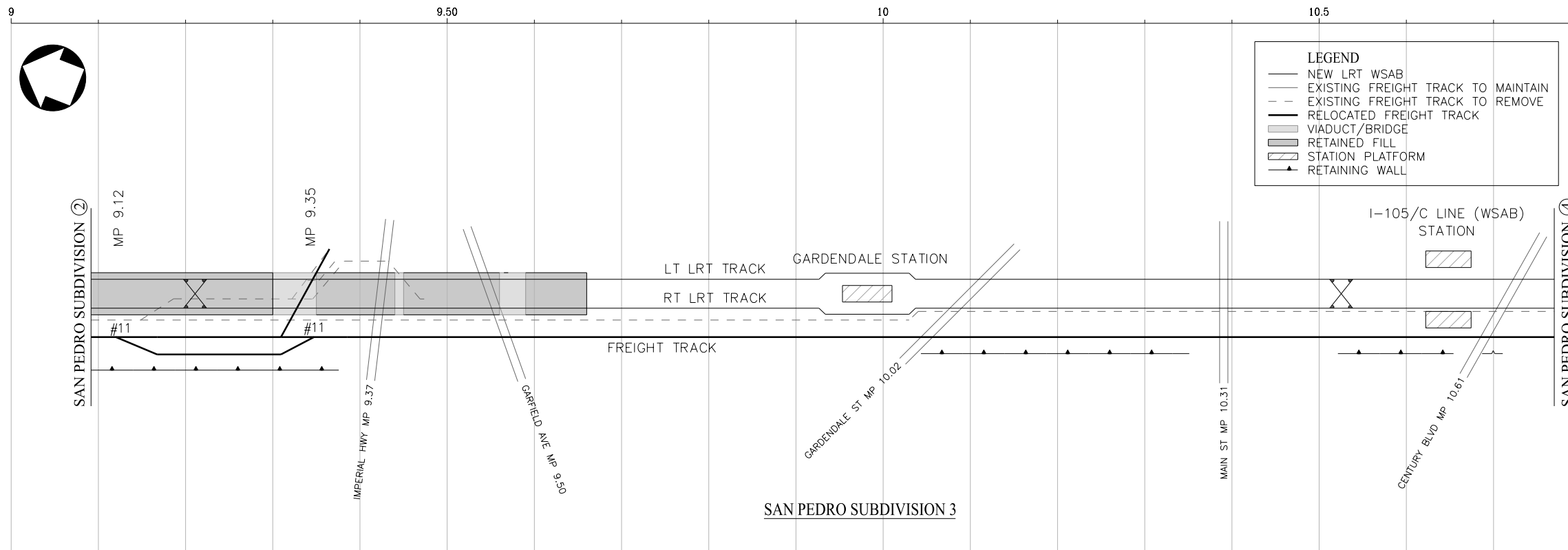
SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK  
FREIGHT  
SAN PEDRO SUBDIVISION  
TRACK CHART**

**NOT FOR CONSTRUCTION**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>TC-002</b>	REV
SCALE <b>1" = 400'</b>	
SHEET NO <b>6</b>	OF <b>96</b>





15-DEC-2023 E-28091ATC003.plg

wspw14-pw-svc 02:54

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

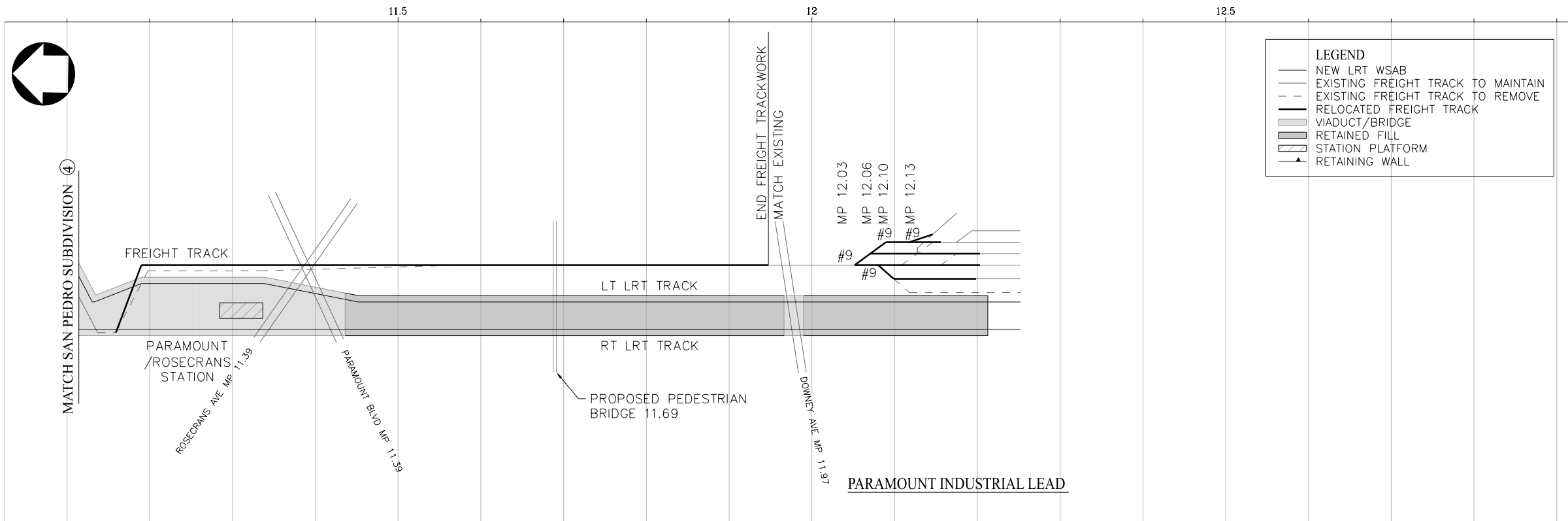
**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH FREIGHT TRACK  
FREIGHT  
SAN PEDRO SUBDIVISION  
TRACK CHART**

CONTRACT NO	AE5999300
DRAWING NO	TC-003
SCALE	1" = 400'
SHEET NO	7 OF 96



15-DEC-2023 E-28091ATC004.plg  
wsppw14-pw-svc 02:55

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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1	3/17/2023	DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
		DATE 3/17/2023
		FINAL FREIGHT PLAN SUBMITTAL



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

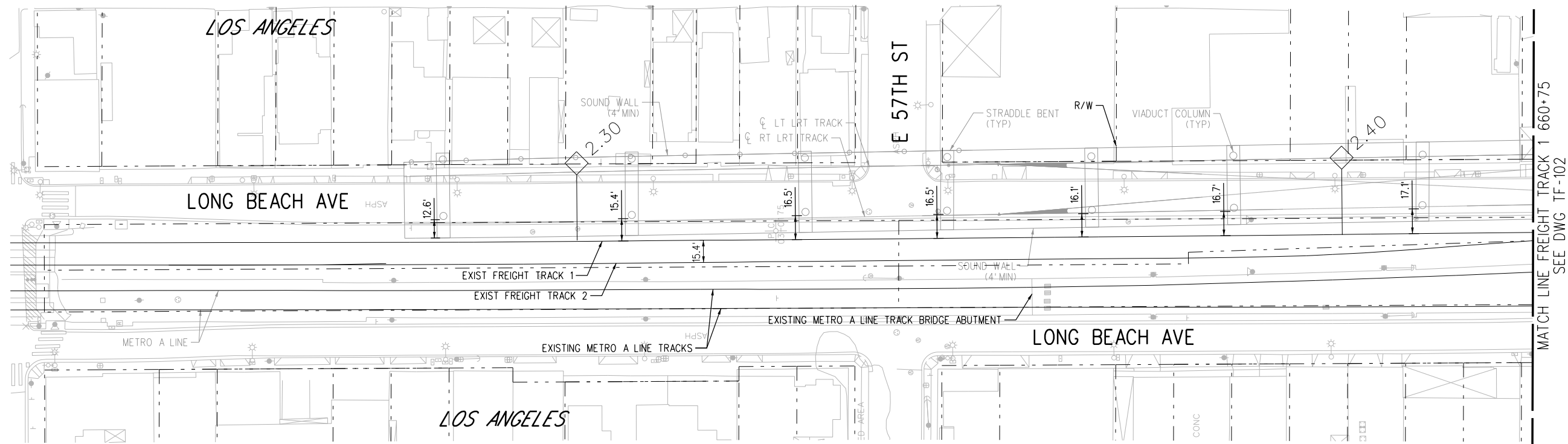
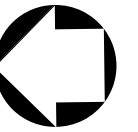
**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

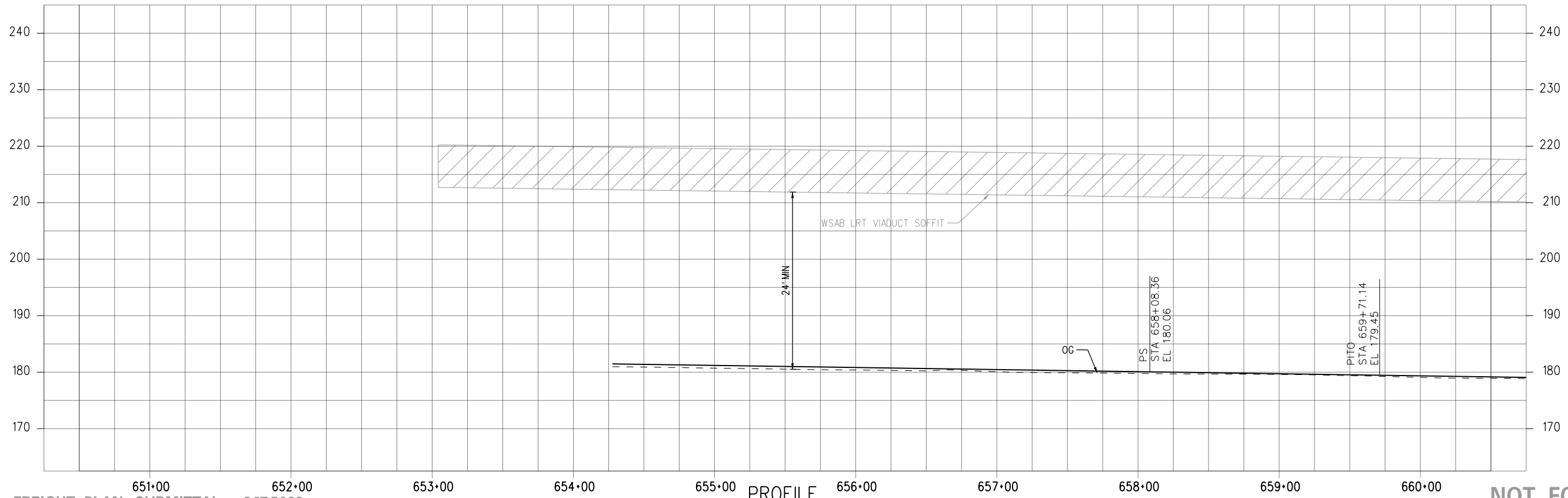
**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH FREIGHT TRACK  
FREIGHT  
PARAMOUNT INDUSTRIAL LEAD  
TRACK CHART**

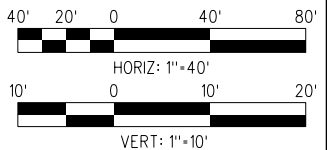
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DRAWING NO <b>TC-004</b>	REV
SCALE <b>1" = 400'</b>	
SHEET NO <b>8</b>	OF <b>96</b>



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF101.plg

wspw14-pw-svc 02:54

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY JS
DRAWN BY HX
CHECKED BY JSP
IN CHARGE RL
DATE 3/17/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

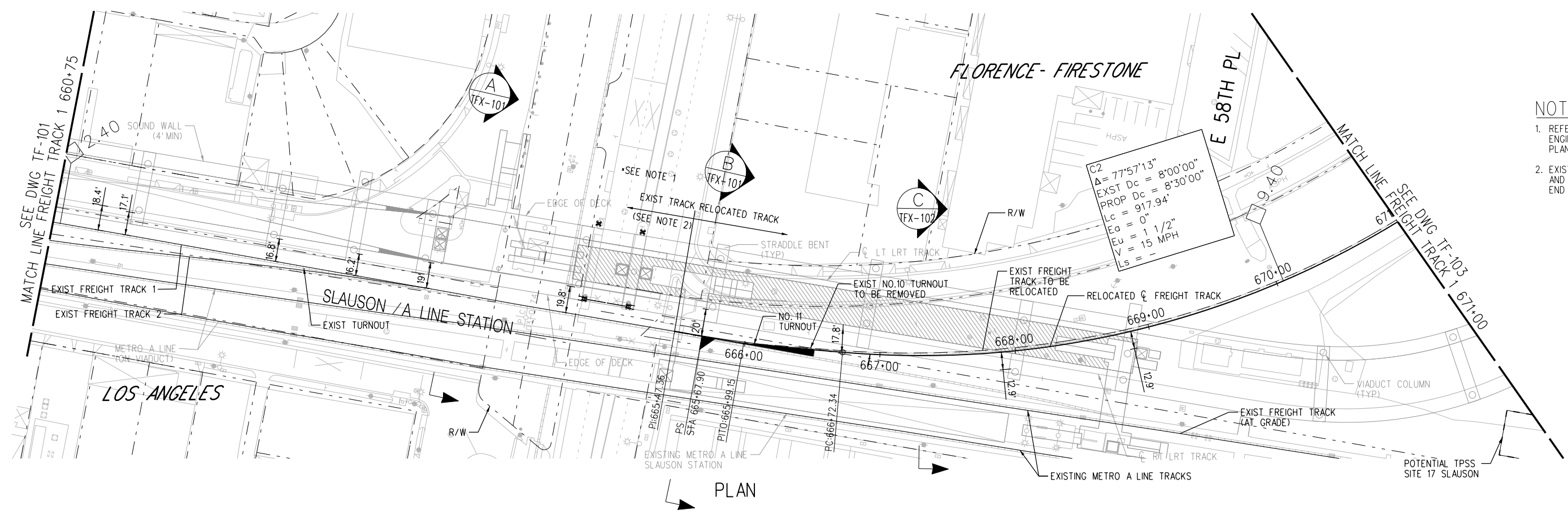
SUBMITTED	_____
APPROVED	_____

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT WILMINGTON BRANCH**  
**PLAN & PROFILE**  
**STA 650+50 TO STA 660+75**

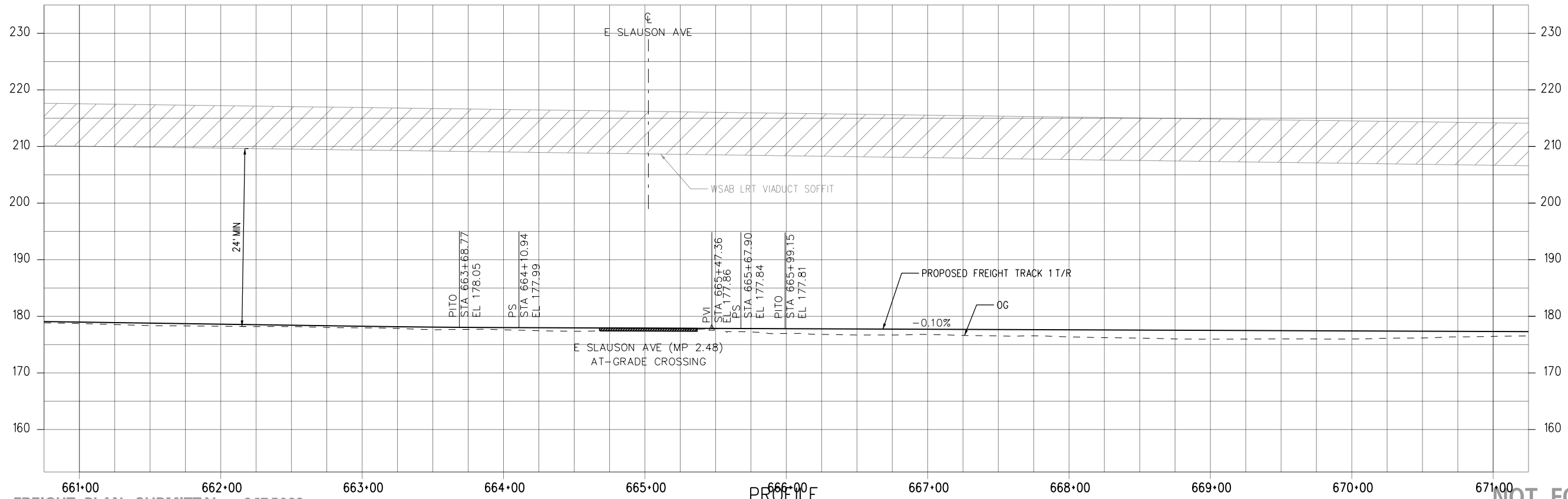
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DRAWING NO. <b>TF-101</b>
SCALE HOR: 1"=40' VERT: 1"=10'
SHEET NO. 9 OF 96



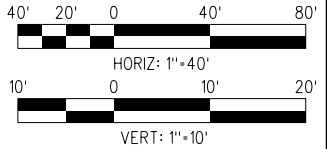
- NOTES:**
1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.
  2. EXISTING TRACK WILL BE LINE AND SURFACE 200' BEYOND THE END OF NEW CONSTRUCTION.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF102.plg  
wspw14-pw-svc 02:56

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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		DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
		DATE 3/17/2023
1	3/17/2023	FINAL FREIGHT PLAN SUBMITTAL

**Metro**  
515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

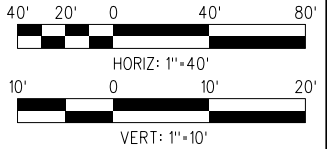
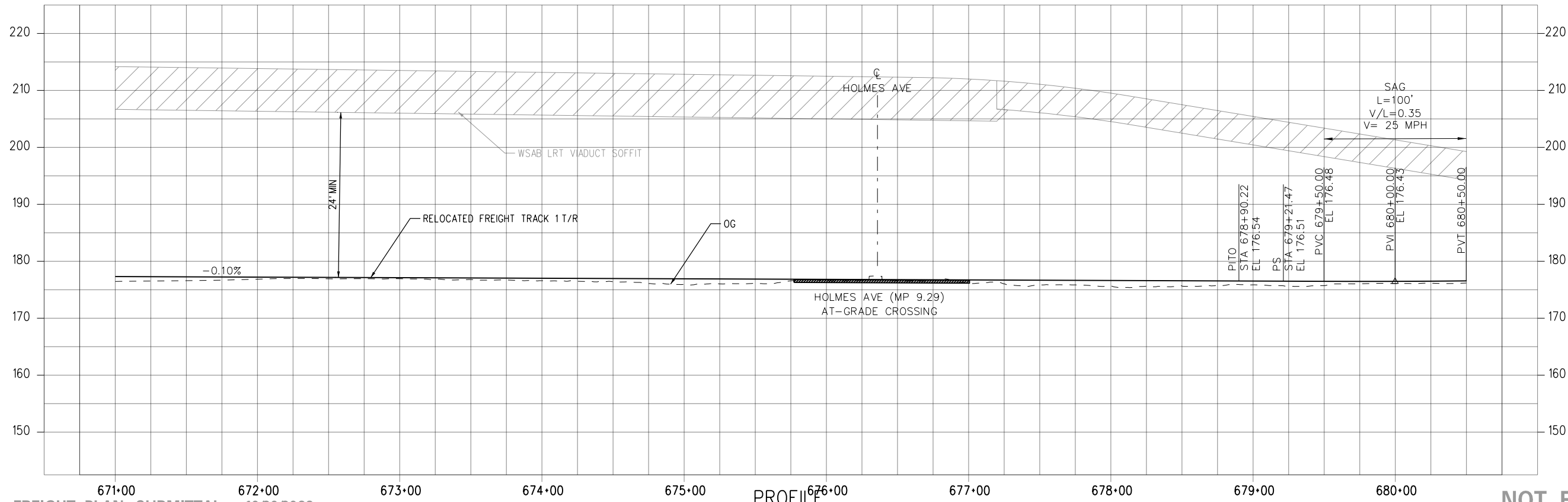
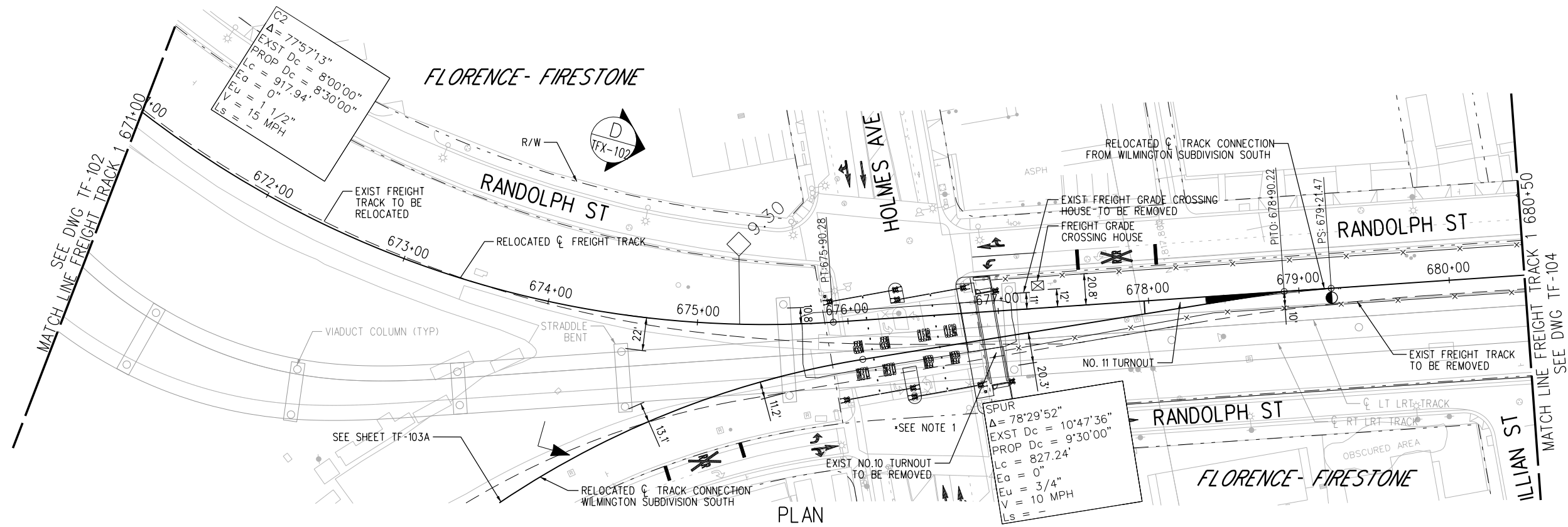
WEST SANTA ANA BRANCH FREIGHT TRACK  
WILMINGTON/LA HABRA BRANCH  
PLAN & PROFILE  
STA 660+75 TO STA 671+00

CONTRACT NO. AE5999300  
DRAWING NO. TF-102  
SCALE: HORIZ: 1"=40'  
VERT: 1"=10'  
SHEET NO. 10 OF 96

SUBMITTED: \_\_\_\_\_  
APPROVED: \_\_\_\_\_



**NOTE:**  
 1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.



FINAL FREIGHT PLAN SUBMITTAL - 10/20/2023

**NOT FOR CONSTRUCTION**

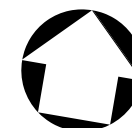
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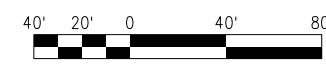
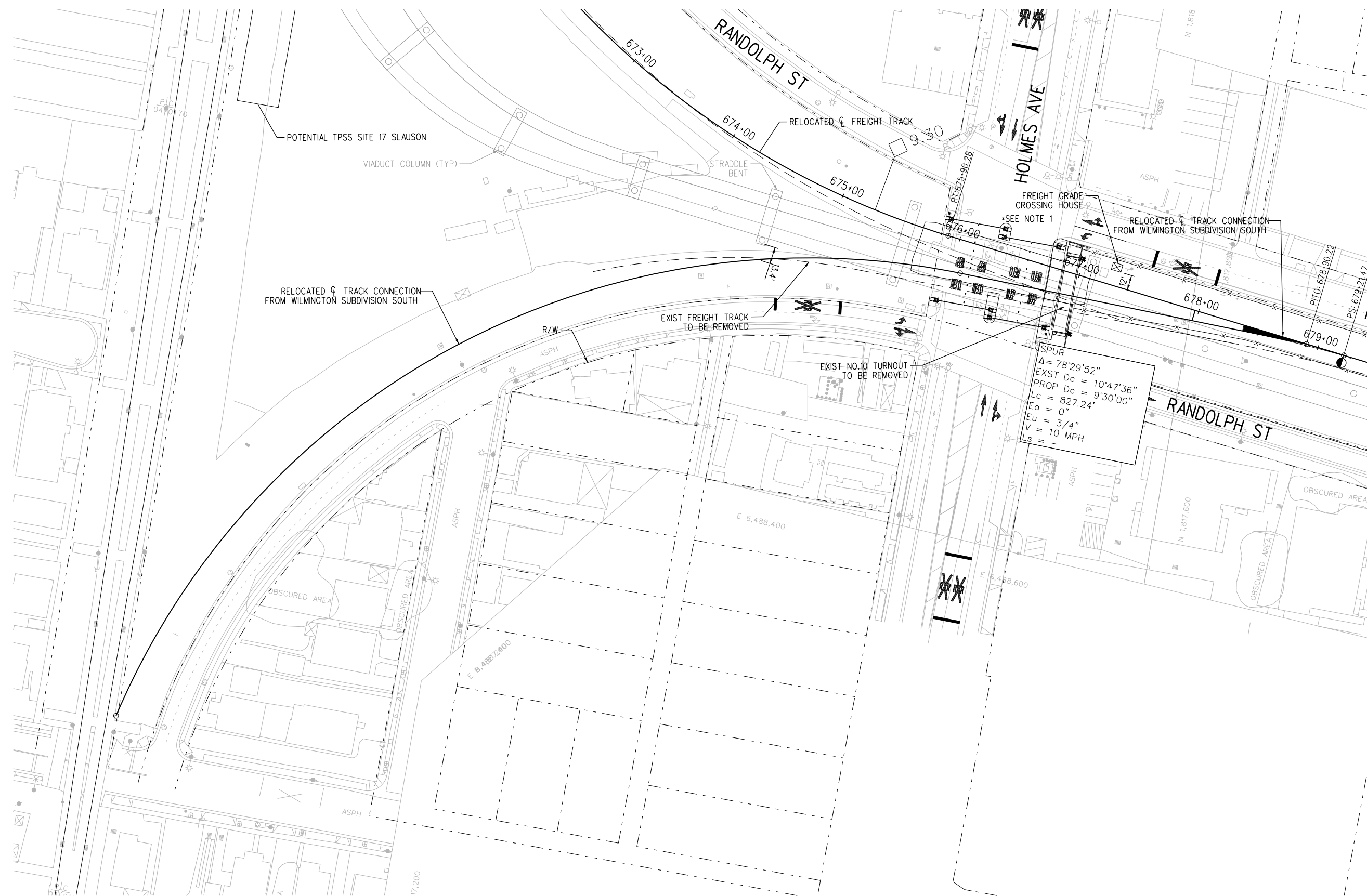
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY JS
		DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
2	10/20/2023	DATE 10/20/2023
		FINAL FREIGHT PLAN SUBMITTAL

		<b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>	
		515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	
SUBMITTED _____		APPROVED _____	

<b>WEST SANTA ANA BRANCH FREIGHT TRACK</b> <b>FREIGHT LA HABRA BRANCH PLAN &amp; PROFILE</b> STA 671+00 TO STA 680+50		CONTRACT NO. <b>AE5999300</b>
DRAWING NO. <b>TF-103</b>		REV.
SCALE HORIZ: 1"=40' VERT: 1"=10'		SHEET NO. 11 OF 96



**NOTE:**  
 1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF103A.plg  
 wspw14\_pw-svc 02:56

FINAL FREIGHT PLAN SUBMITTAL - 10/20/2023

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2	10/20/2023
	FINAL FREIGHT PLAN SUBMITTAL

DESIGNED BY JS
DRAWN BY HX
CHECKED BY JSP
IN CHARGE RL
DATE 10/20/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

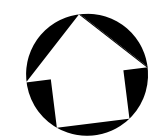
**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

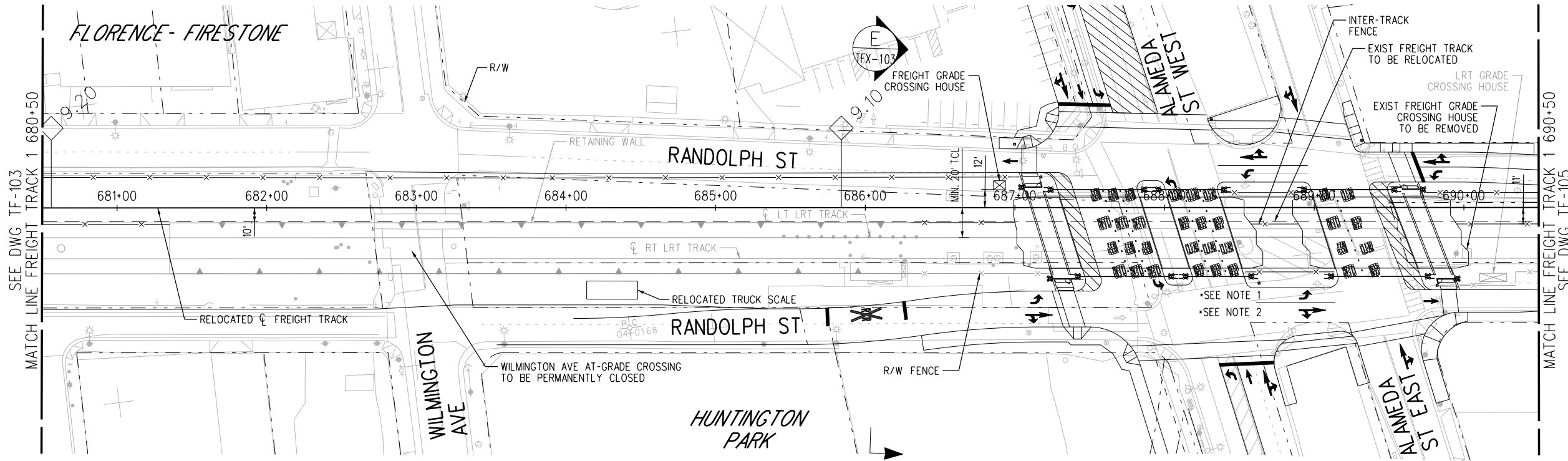
APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH FREIGHT TRACK  
 LA HABRA BRANCH  
 PLAN  
 WILMINGTON SUBDIVISION TRACK

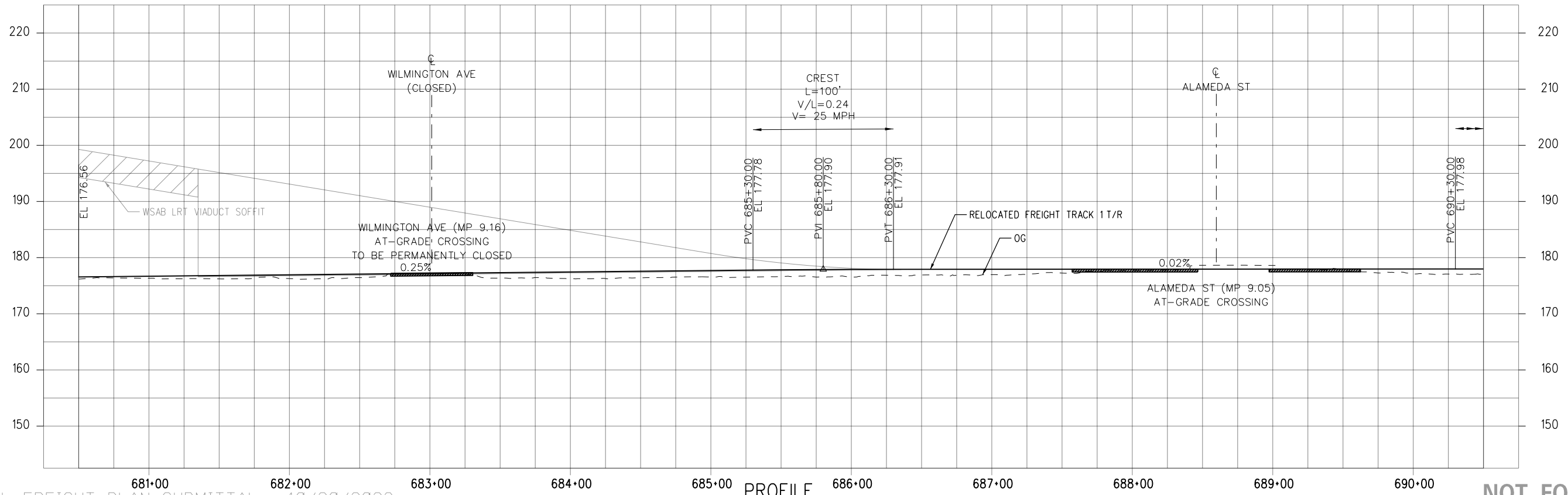
CONTRACT NO. AE5999300  
 DRAWING NO. TF-103A  
 SCALE: HOR: 1"=40'  
 SHEET NO. 12 OF 96



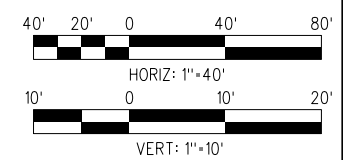
**NOTE:**  
 1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.  
 2. EXISTING BRIDGE TO BE EVALUATED FOR STRAY CURRENT PROTECTION IN FUTURE DESIGN PHASE.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF104.plg

FINAL FREIGHT PLAN SUBMITTAL - 10/20/2023

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2	10/20/2023
	FINAL FREIGHT PLAN SUBMITTAL

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DRAWN BY HX
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IN CHARGE RL
DATE 10/20/2023

**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT**  
**LA HABRA BRANCH**  
**PLAN & PROFILE**  
 STA 680+50 TO STA 690+50

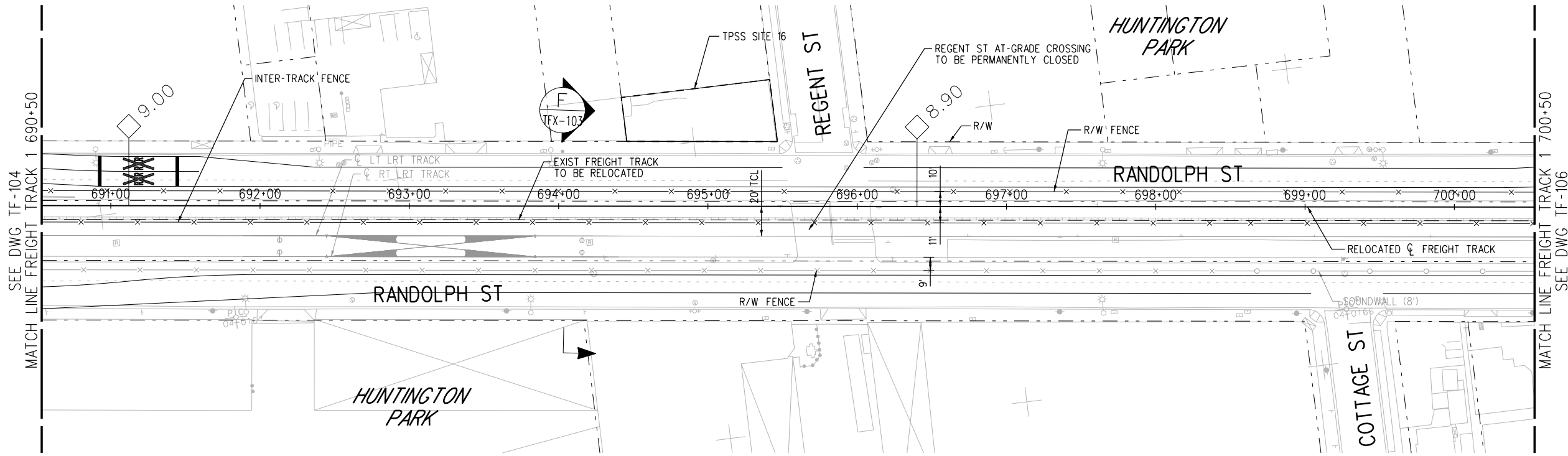
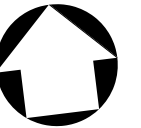
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**AE5999300**

DRAWING NO  
**TF-104**

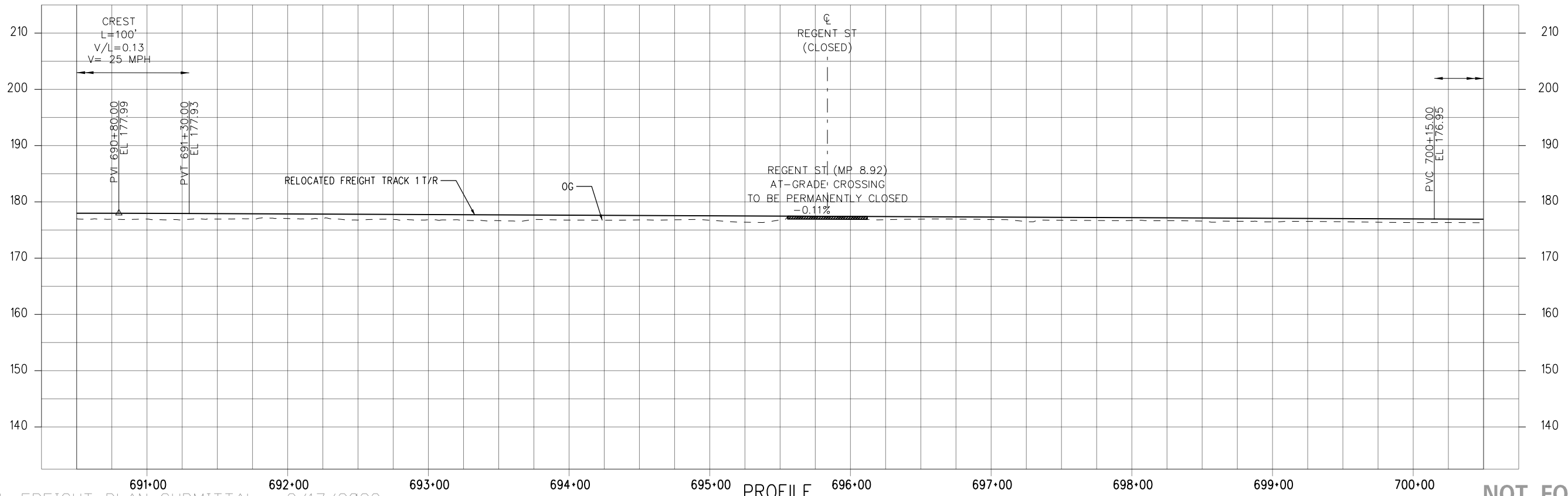
SCALE  
 HOR: 1"=40'  
 VERT: 1"=10'

SHEET NO  
 13 OF 96

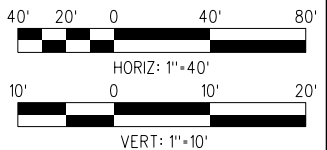




PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF105.plg

wspw14-pw-svc 02:56

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

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**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

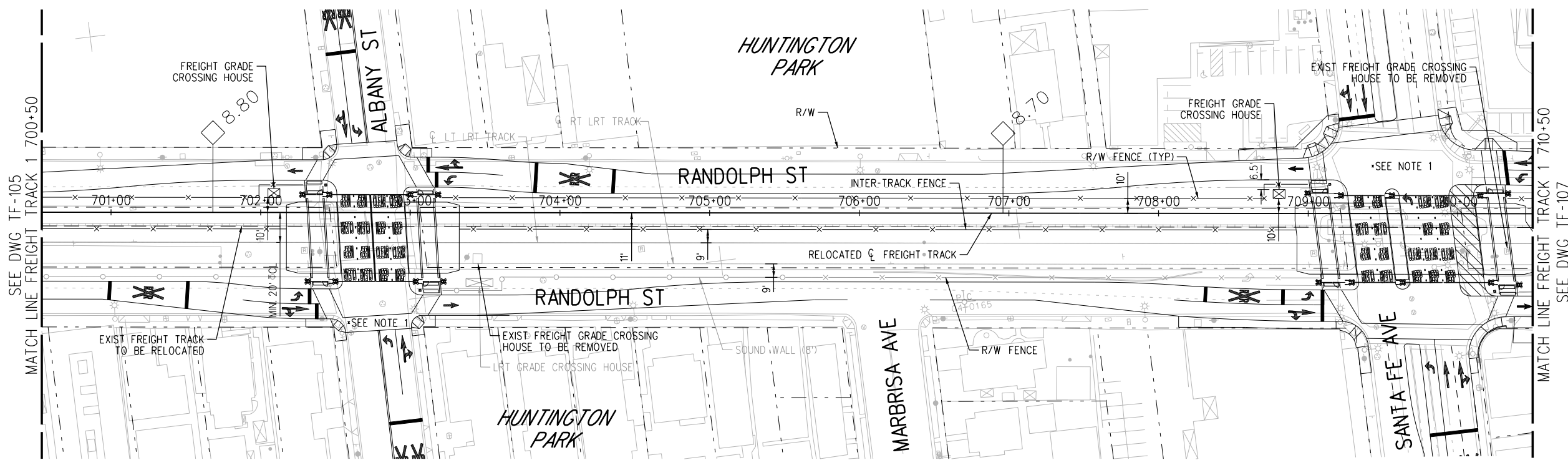
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT**  
**LA HABRA BRANCH**  
**PLAN & PROFILE**  
**STA 690+50 TO STA 700+50**

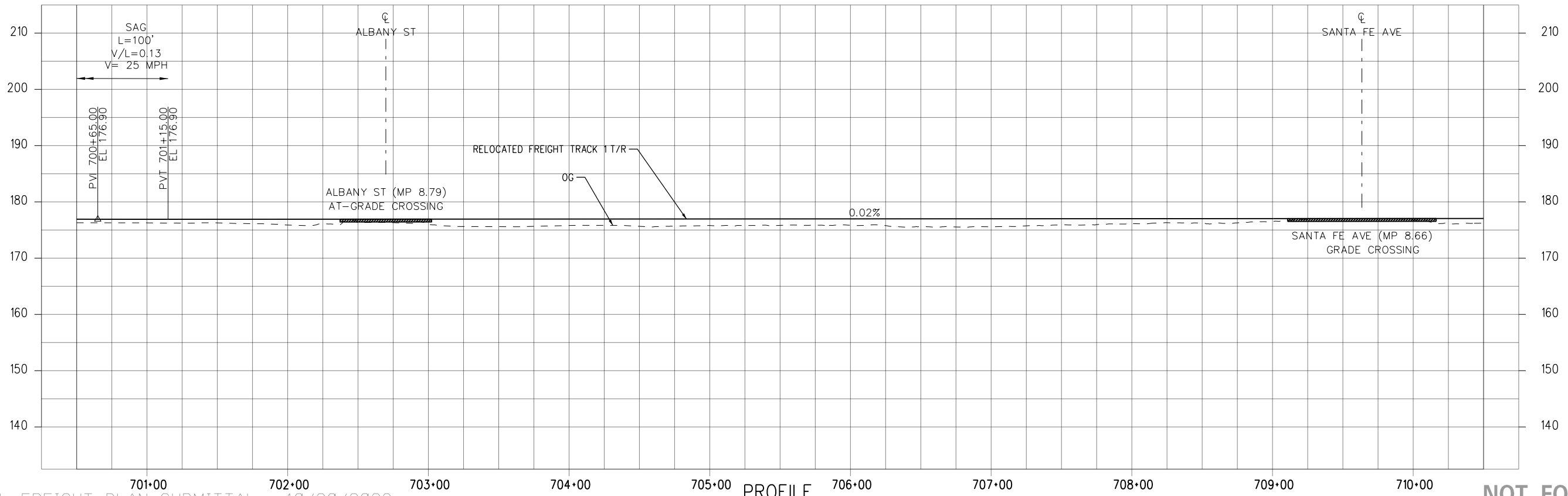
CONTRACT NO. <b>AE5999300</b>
DRAWING NO. <b>TF-105</b>
SCALE HORIZ: 1"=40' VERT: 1"=10'
SHEET NO. 14 OF 96



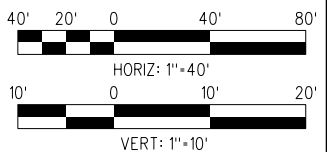
NOTE:  
1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.



PLAN



PROFILE



NOT FOR CONSTRUCTION

15-DEC-2023 E-28091ATF106.plg

wspw14-pw-svc 02:55

FINAL FREIGHT PLAN SUBMITTAL - 10/20/2023

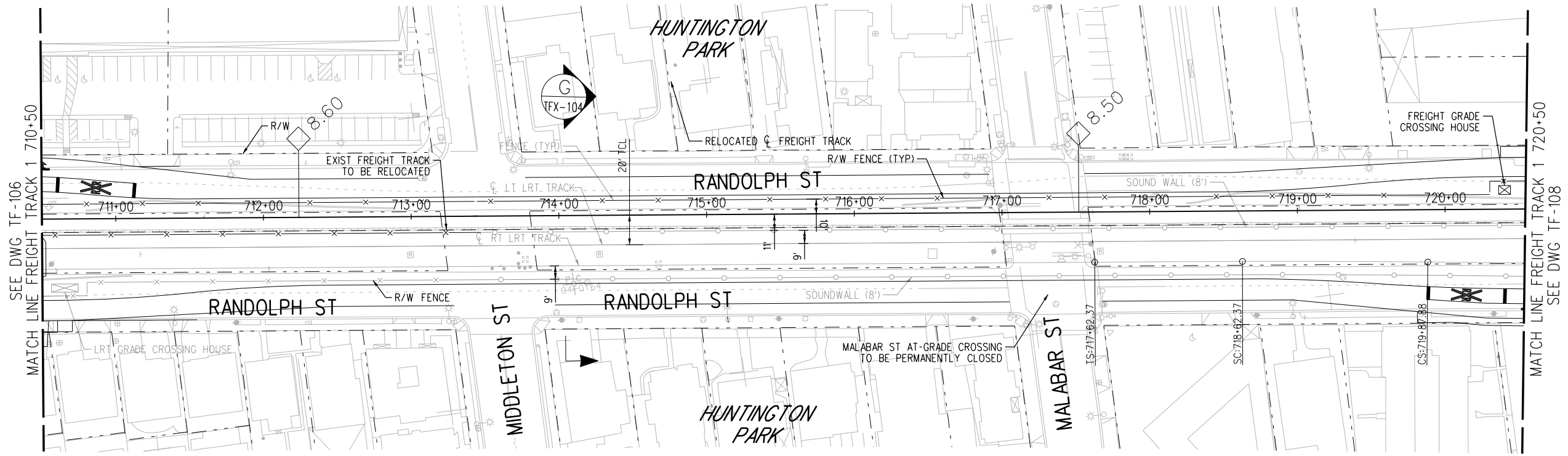
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY JS	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY   515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	CONTRACT NO. AE5999300
		DRAWN BY HX		DRAWING NO. TF-106
		CHECKED BY JSP		SCALE HOR: 1"=40' VERT: 1"=10'
		IN CHARGE RL		SHEET NO. 15 OF 96
2	10/20/2023	DATE 10/20/2023		

Plot Driver=MTA-half.pen

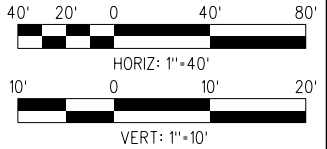
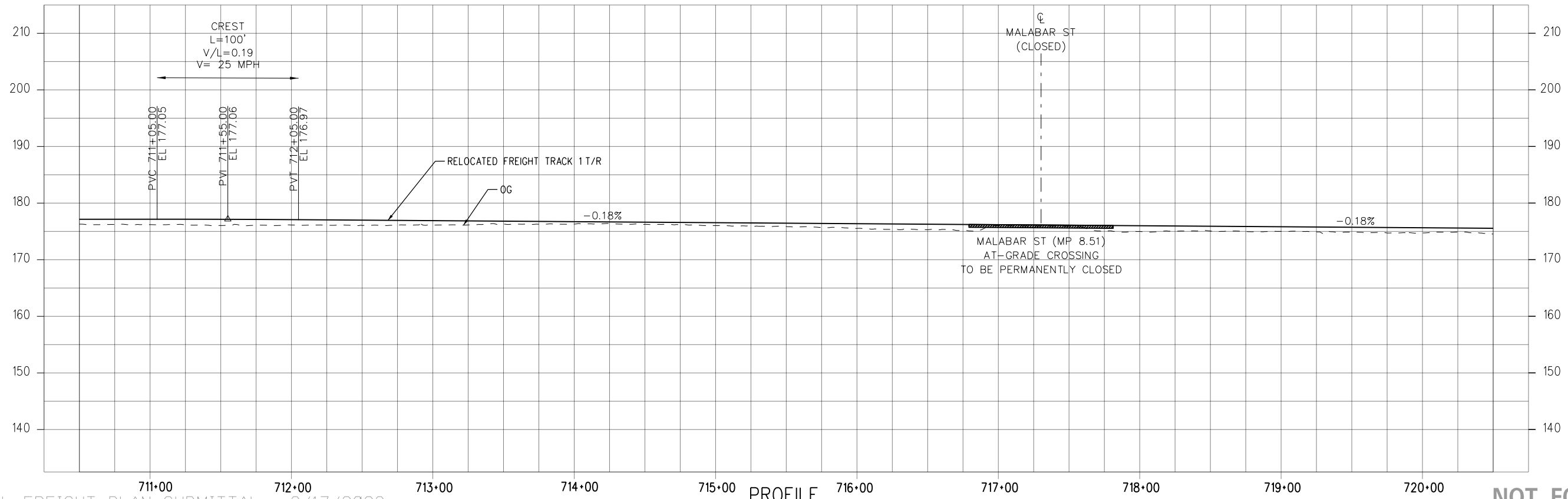
Pentable=bw.plt



**NOTE:**  
1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.



PLAN



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF107.plg

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

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.	
1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY JS
DRAWN BY HX
CHECKED BY JSP
IN CHARGE RL
DATE 3/17/2023

**Metro**  
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

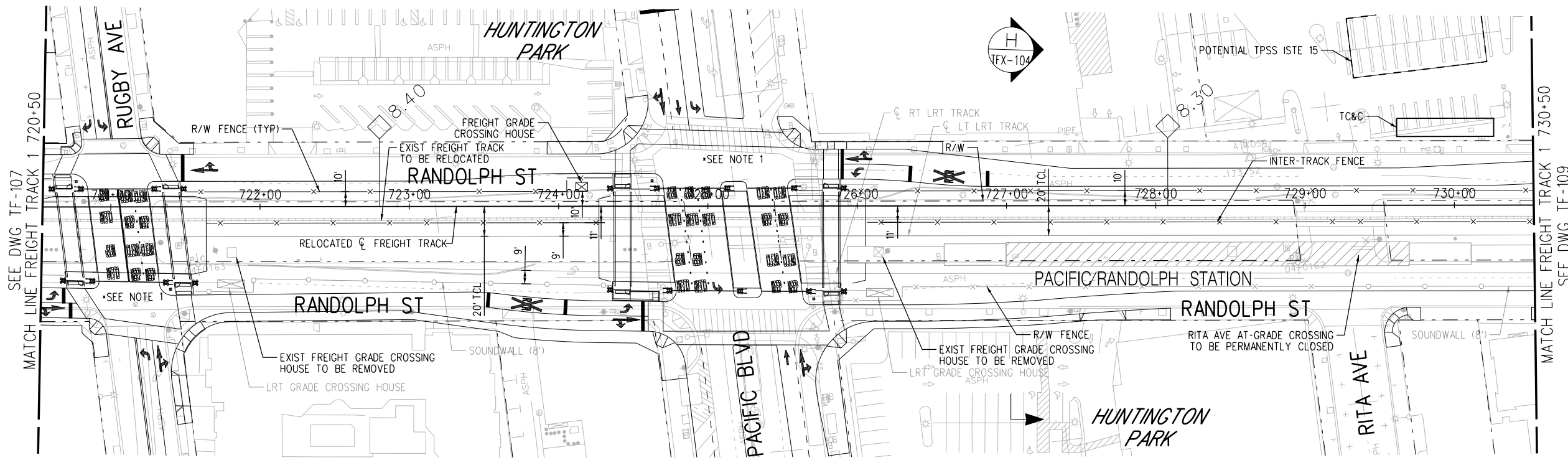
SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT LA HABRA BRANCH PLAN & PROFILE**  
STA 710+50 TO STA 720+50

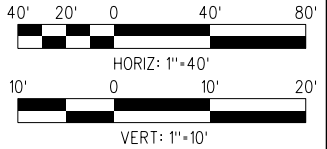
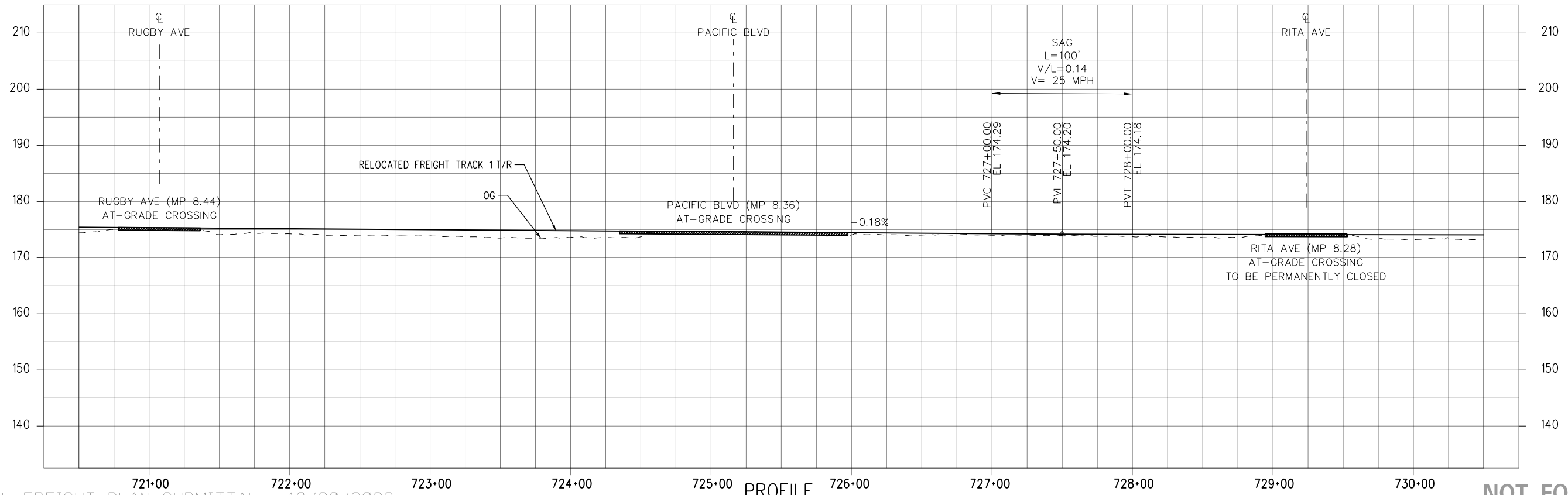
CONTRACT NO. AE5999300  
DRAWING NO. TF-107  
SCALE: HORIZ: 1"=40'  
VERT: 1"=10'  
SHEET NO. 16 OF 96



NOTE:  
1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.



PLAN



NOT FOR CONSTRUCTION

18-DEC-2023 E-28091ATF108.plg  
wspw14\_pw-svc 15:45

FINAL FREIGHT PLAN SUBMITTAL - 10/20/2023

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.	
2	10/20/2023
	FINAL FREIGHT PLAN SUBMITTAL

DESIGNED BY JS
DRAWN BY HX
CHECKED BY JSP
IN CHARGE RL
DATE 10/20/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

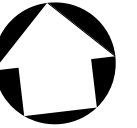
**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

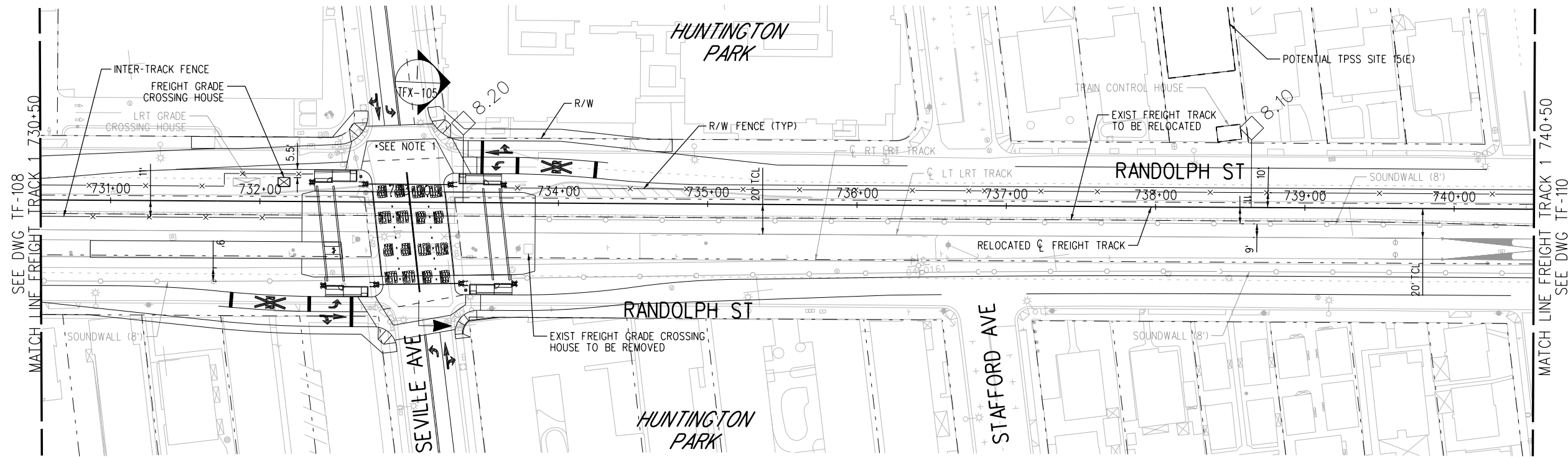
APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH FREIGHT TRACK  
FREIGHT  
LA HABRA BRANCH  
PLAN & PROFILE  
STA 720+50 TO STA 730+50

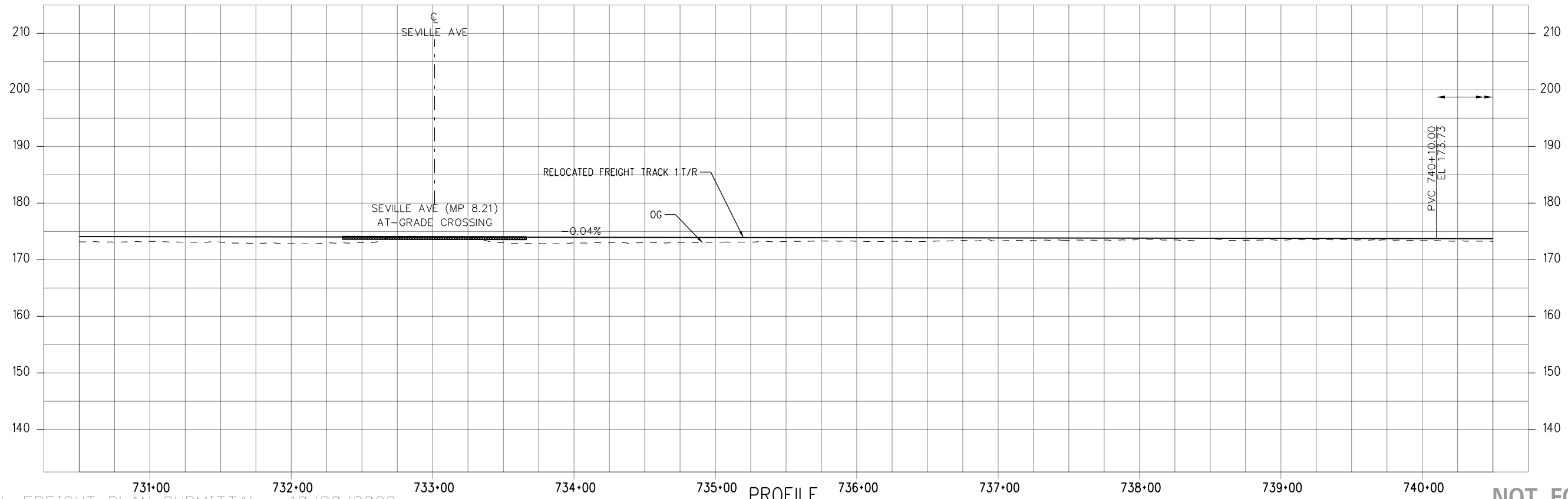
CONTRACT NO. AE5999300  
DRAWING NO. TF-108  
SCALE: HOR: 1"=40' VERT: 1"=10'  
SHEET NO. 17 OF 96



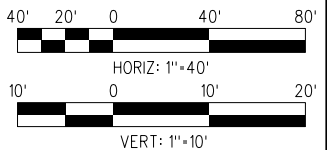
**NOTE:**  
1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF109.plg

wspw14-pw-svc 02:54

FINAL FREIGHT PLAN SUBMITTAL - 10/20/2023

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 JS	<table border="1"> <tr> <td>2</td> <td>10/20/2023</td> <td>FINAL FREIGHT PLAN SUBMITTAL</td> </tr> </table>	2	10/20/2023	FINAL FREIGHT PLAN SUBMITTAL
2	10/20/2023	FINAL FREIGHT PLAN SUBMITTAL				
		DRAWN BY HX				
		CHECKED BY JSP				
		IN CHARGE RL				
		DATE 10/20/2023				



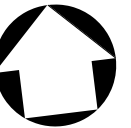
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

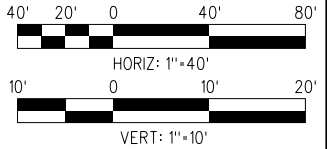
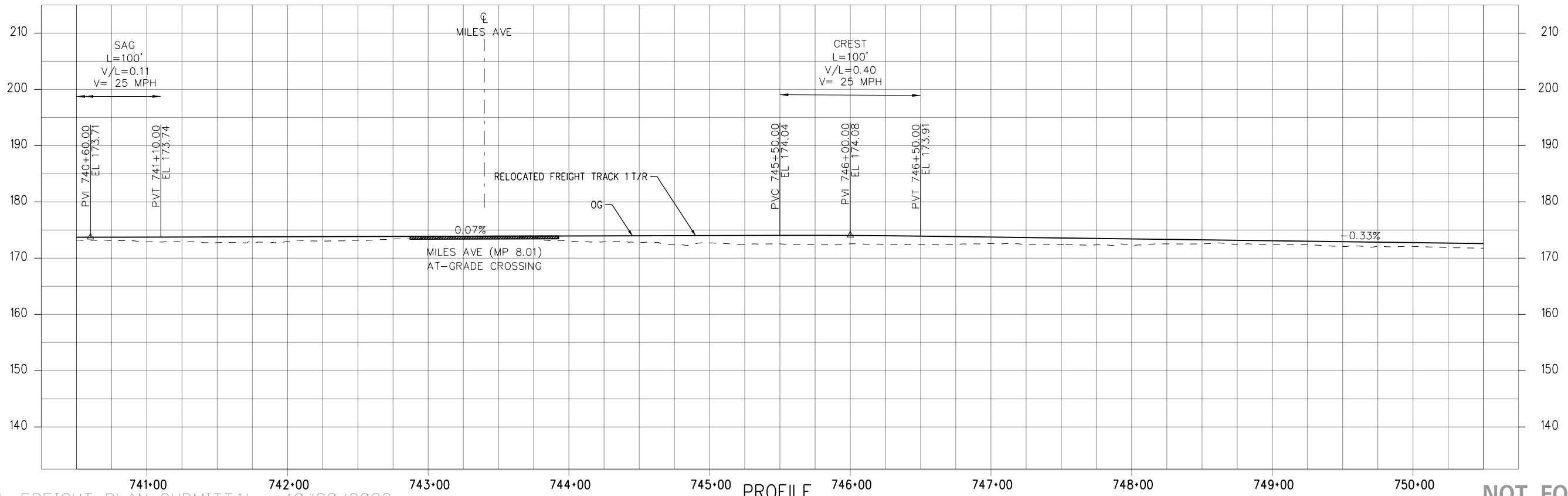
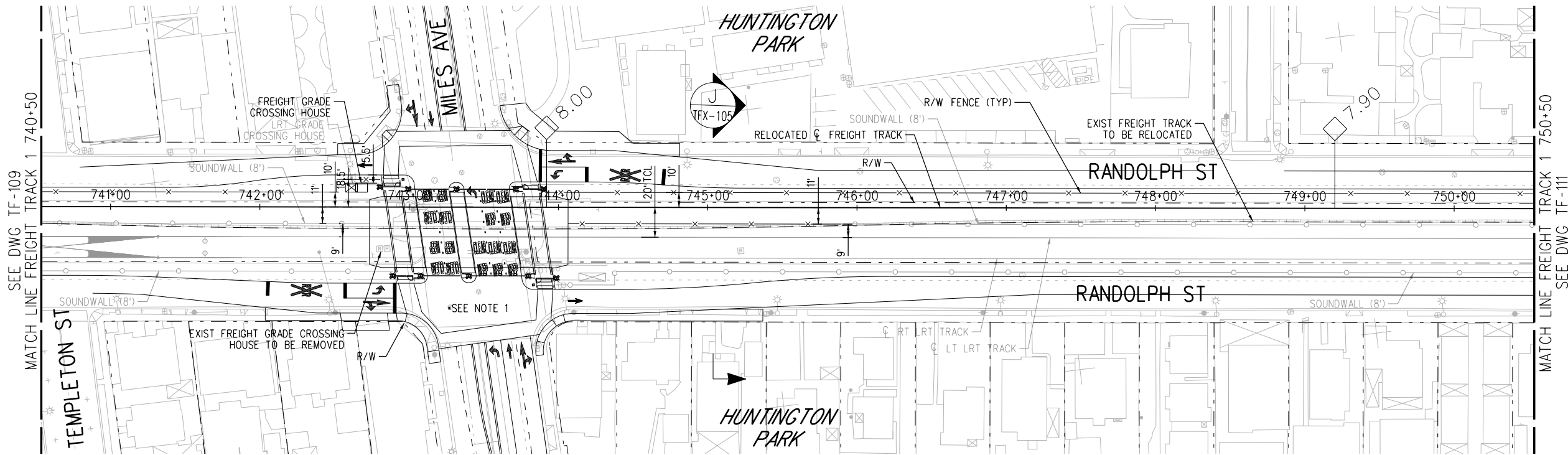
SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT**  
**LA HABRA BRANCH**  
**PLAN & PROFILE**  
**STA 730+50 TO STA 740+50**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>TF-109</b>	REV
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO 18	OF 96



**NOTE:**  
 1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.



**NOT FOR CONSTRUCTION**

18-DEC-2023 E-28091ATF10.plg

FINAL FREIGHT PLAN SUBMITTAL - 10/20/2023

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	10/20/2023
FINAL FREIGHT PLAN SUBMITTAL	



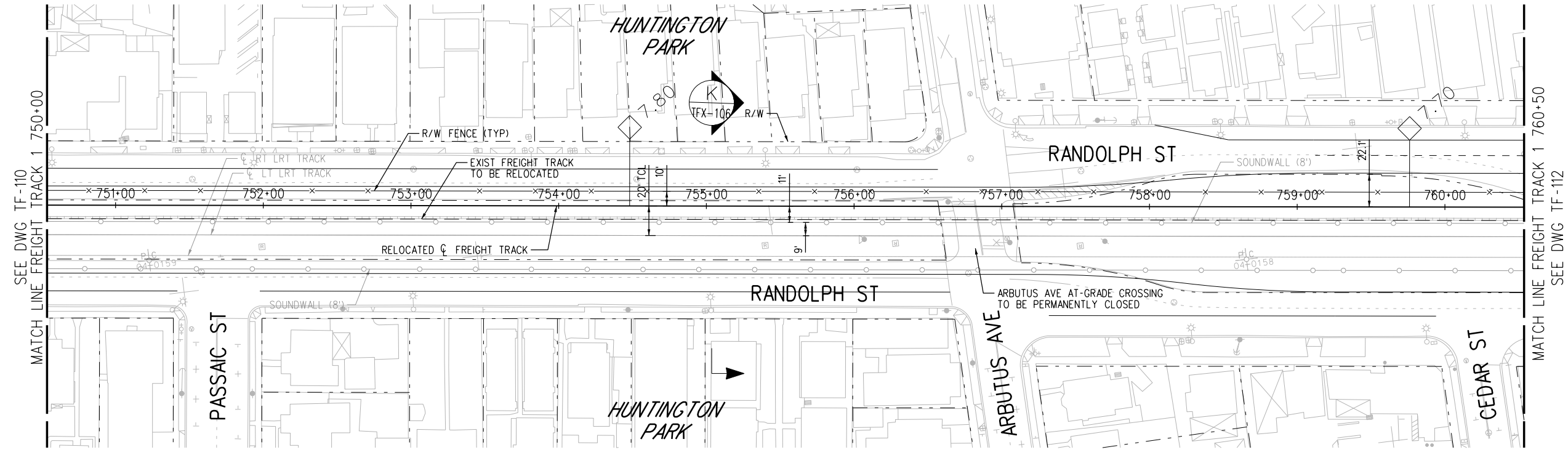
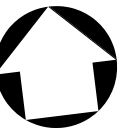
LOS ANGELES COUNTY  
 METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

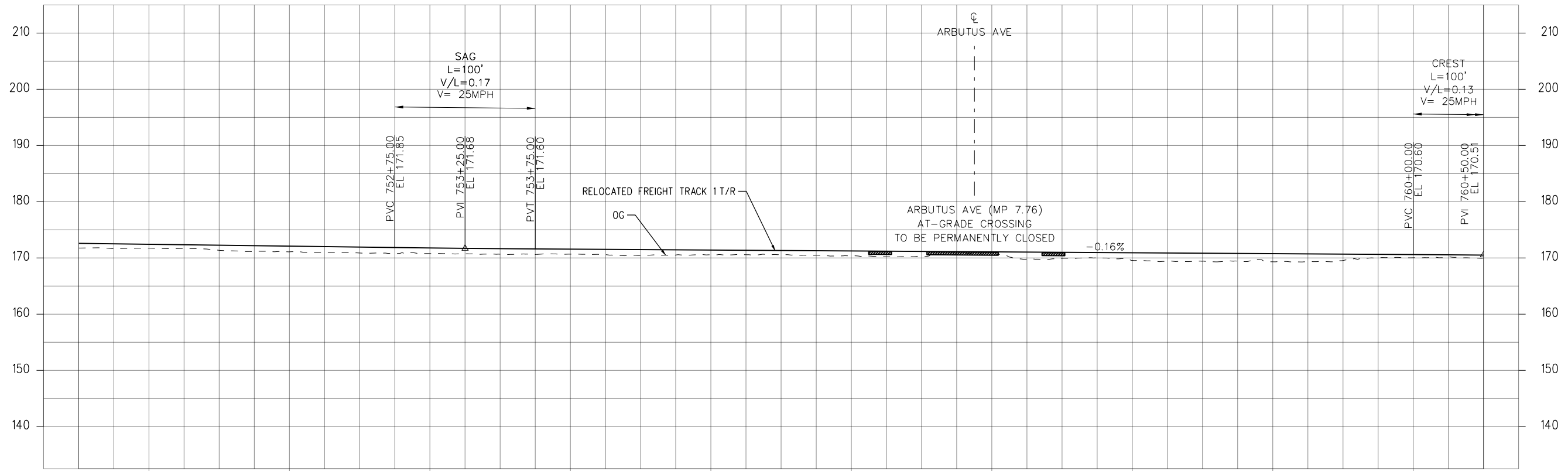
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH FREIGHT TRACK  
 LA HABRA BRANCH  
 FREIGHT  
 PLAN & PROFILE  
 STA 740+50 TO STA 750+50

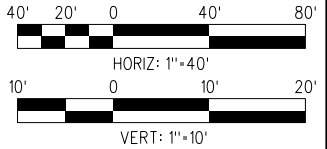
CONTRACT NO.	AE5999300
DRAWING NO.	TF-110
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	19 OF 96



PLAN



PROFILE



NOT FOR CONSTRUCTION

15-DEC-2023 E-28091ATF111.plg

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

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.	
1	3/17/2023
	FINAL FREIGHT PLAN SUBMITTAL

DESIGNED BY JS
DRAWN BY HX
CHECKED BY JSP
IN CHARGE RL
DATE 3/17/2023

**M Metro**  
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

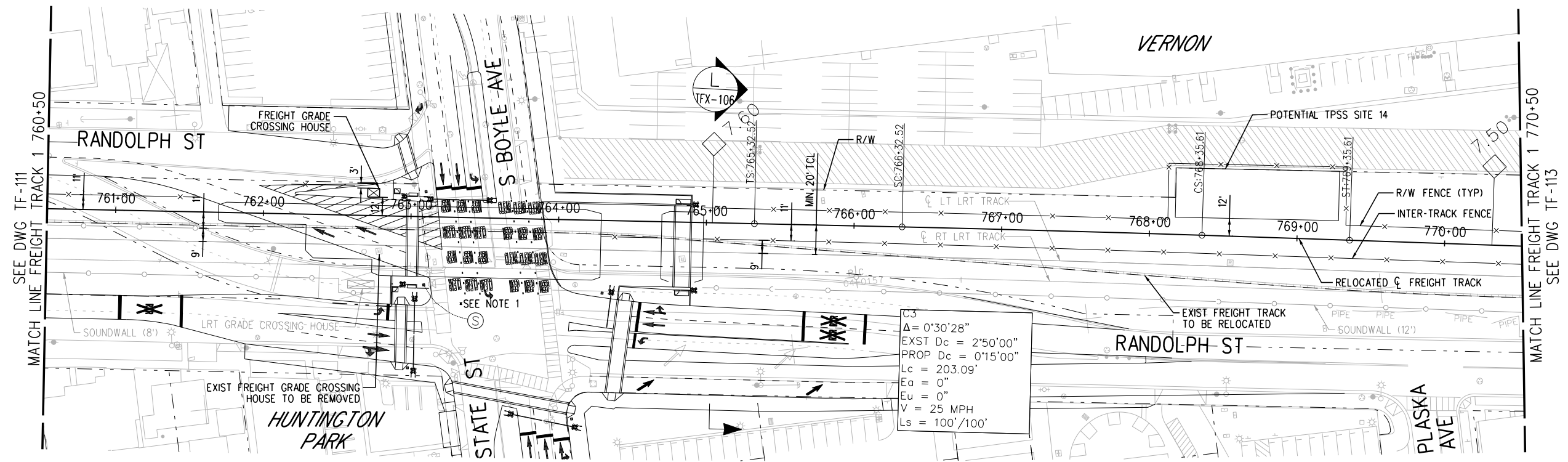
WEST SANTA ANA BRANCH FREIGHT TRACK  
FREIGHT  
LA HABRA BRANCH  
PLAN & PROFILE  
STA 750+50 TO STA 760+50

CONTRACT NO AE5999300	
DRAWING NO TF-111	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO 20	OF 96

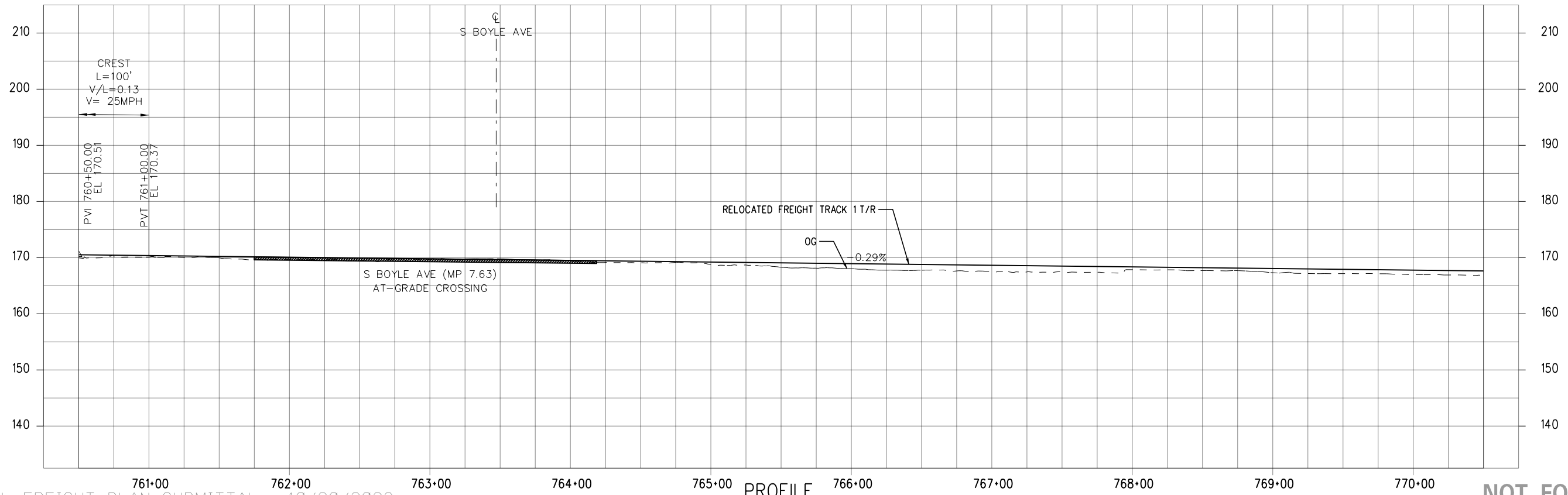




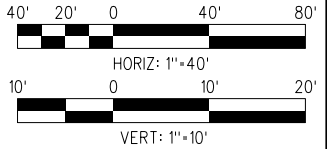
NOTE:  
1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.



PLAN



PROFILE



NOT FOR CONSTRUCTION

15-DEC-2023 E-28091ATF112.plg

FINAL FREIGHT PLAN SUBMITTAL - 10/20/2023

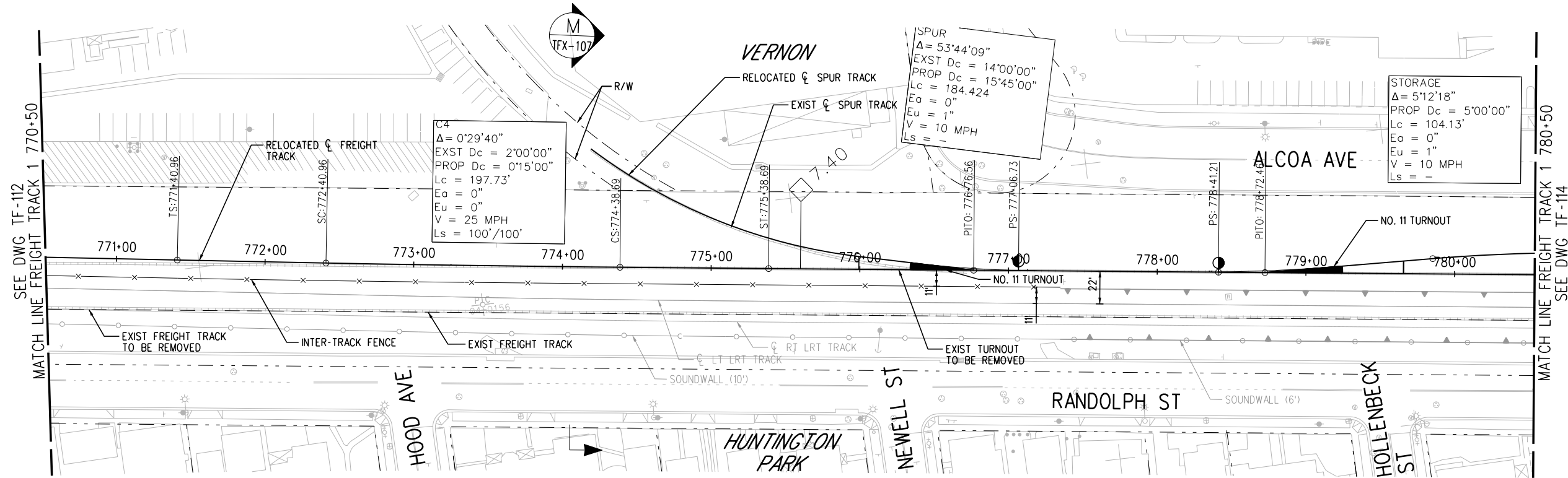
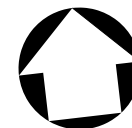
DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	10/20/2023
FINAL FREIGHT PLAN SUBMITTAL	

**M** Metro  
 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

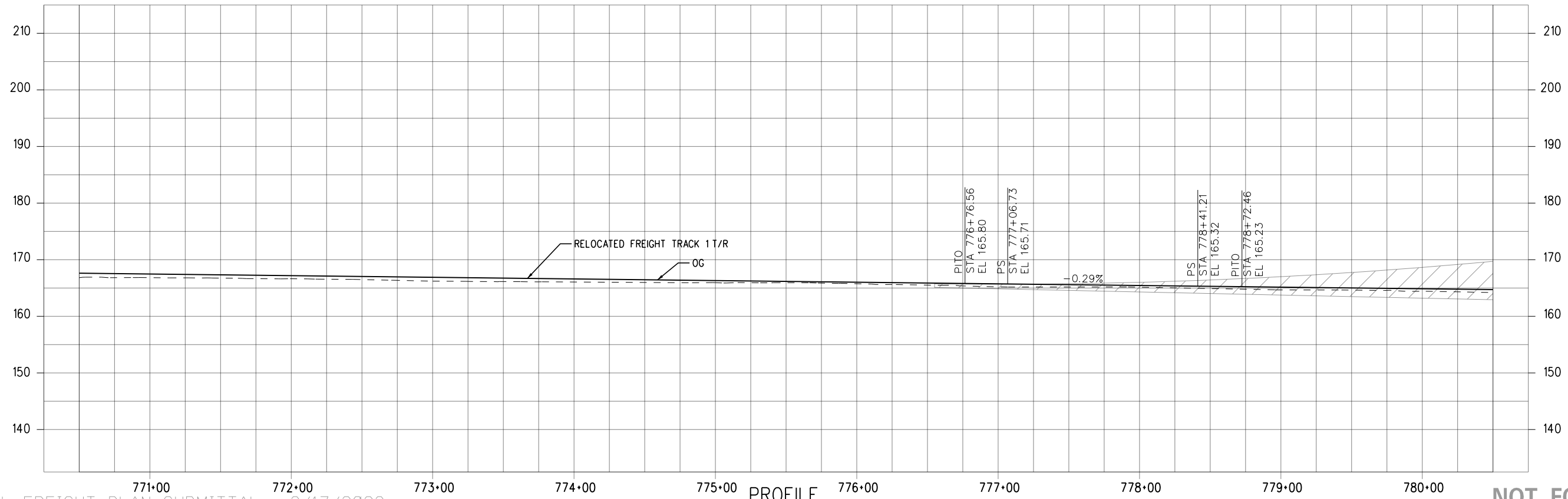
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

WEST SANTA ANA BRANCH FREIGHT TRACK  
 FREIGHT LA HABRA BRANCH  
 PLAN & PROFILE  
 STA 760+50 TO STA 770+50

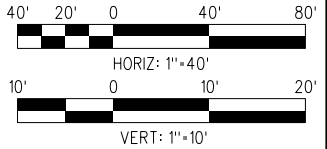
CONTRACT NO. AE5999300  
 DRAWING NO. TF-112  
 SCALE: HOR: 1"=40' VERT: 1"=10'  
 SHEET NO. 21 OF 96



PLAN



PROFILE



NOT FOR CONSTRUCTION

15-DEC-2023 E-28091ATF113.plg

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

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.	
1	3/17/2023
	FINAL FREIGHT PLAN SUBMITTAL

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023

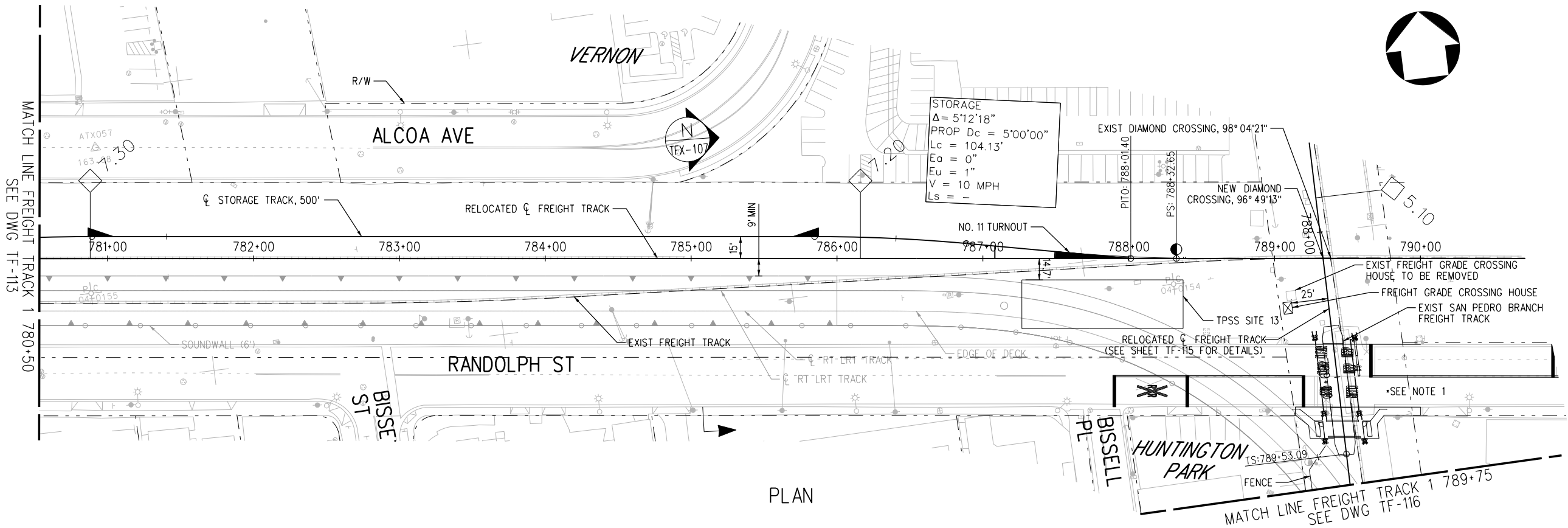
**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

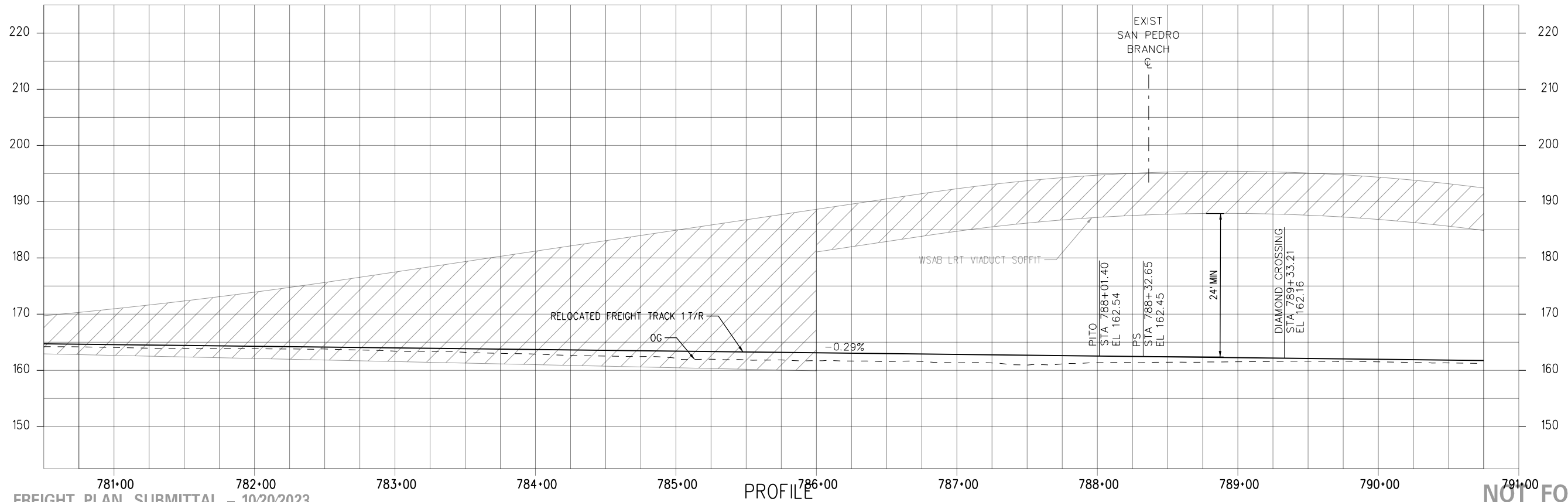
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT LA HABRA BRANCH**  
**PLAN & PROFILE**  
 STA 770+50 TO STA 780+50

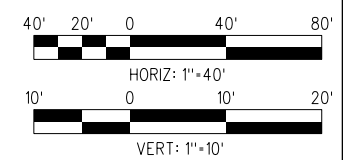
CONTRACT NO. **AE5999300**  
 DRAWING NO. **TF-113**  
 SCALE **HORIZ: 1"=40'**  
**VERT: 1"=10'**  
 SHEET NO. **22** OF **96**



PLAN



PROFILE



FINAL FREIGHT PLAN SUBMITTAL - 10/20/2023

NOT FOR CONSTRUCTION

15-DEC-2023 E-28091ATF114.plg

wspw14\_pw-svc 02:55

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.	
2	10/20/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY JS
DRAWN BY HX
CHECKED BY JSP
IN CHARGE RL
DATE 10/20/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**

**FREIGHT LA HABRA BRANCH PLAN & PROFILE**

STA 780+50 TO STA 789+75

CONTRACT NO. **AE5999300**

DRAWING NO. **TF-114** REV \_\_\_\_\_

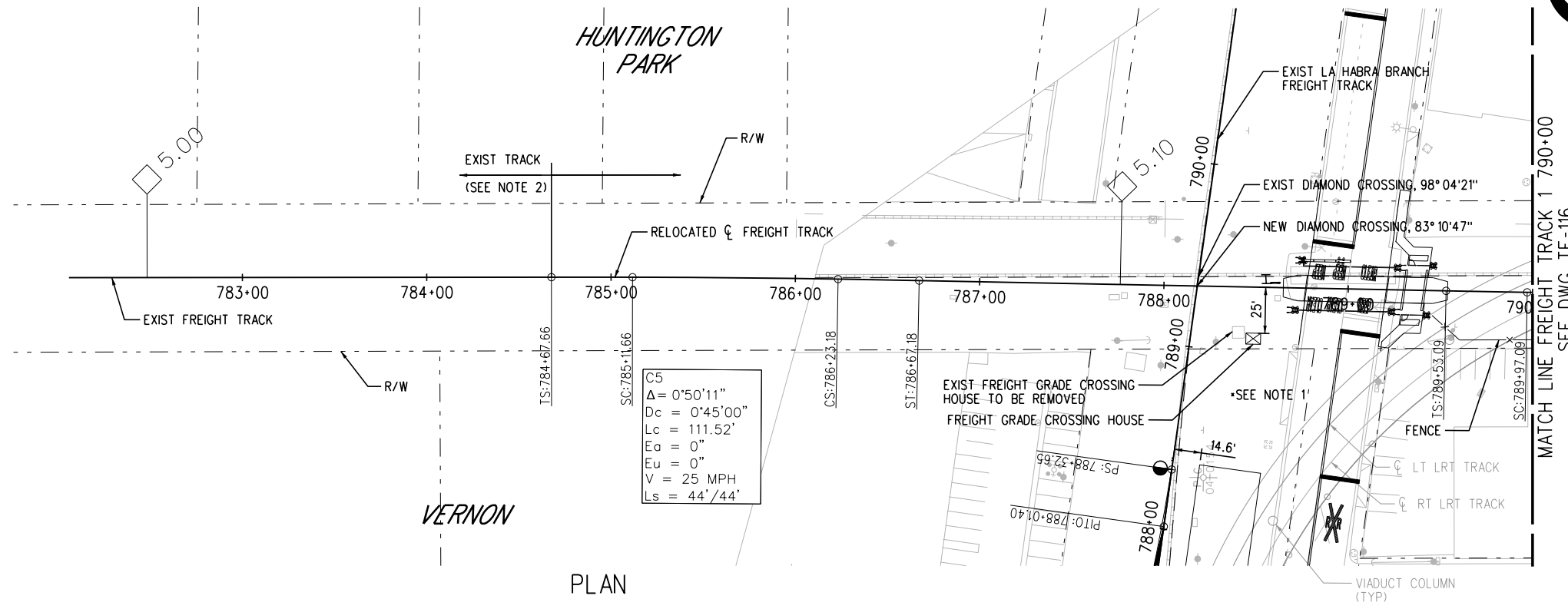
SCALE **HORIZ: 1"=40'**  
**VERT: 1"=10'**

SHEET NO. **23** OF **96**



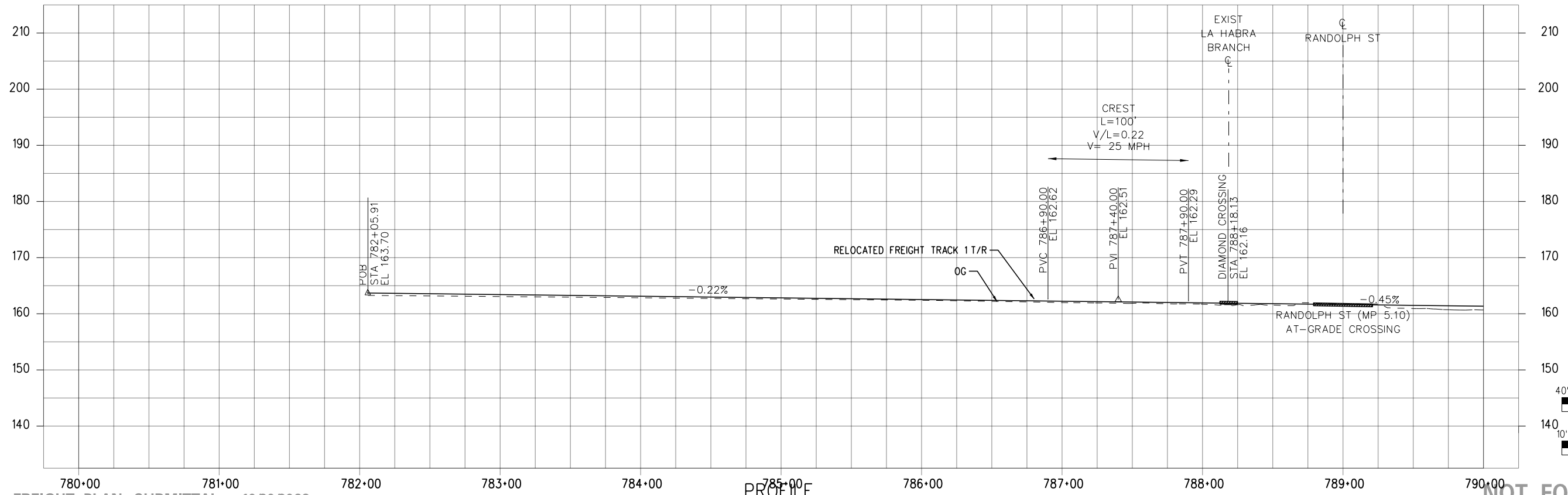
**NOTES:**

- 1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.
- 2. EXISTING TRACK WILL BE LINE AND SURFACE 200' BEYOND THE END OF NEW CONSTRUCTION.

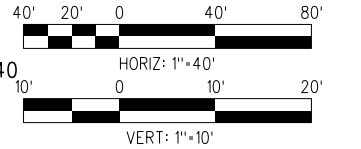


C5  
 $\Delta = 0^{\circ}50'11''$   
 $D_c = 0^{\circ}45'00''$   
 $L_c = 111.52'$   
 $E_a = 0''$   
 $E_u = 0''$   
 $V = 25 \text{ MPH}$   
 $L_s = 44' / 44'$

PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF115.plg  
wspw14-pw-svc 02:57

**FINAL FREIGHT PLAN SUBMITTAL - 10/20/2023**

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 JS
		DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
		DATE 10/20/2023
2	10/20/2023	FINAL FREIGHT PLAN SUBMITTAL

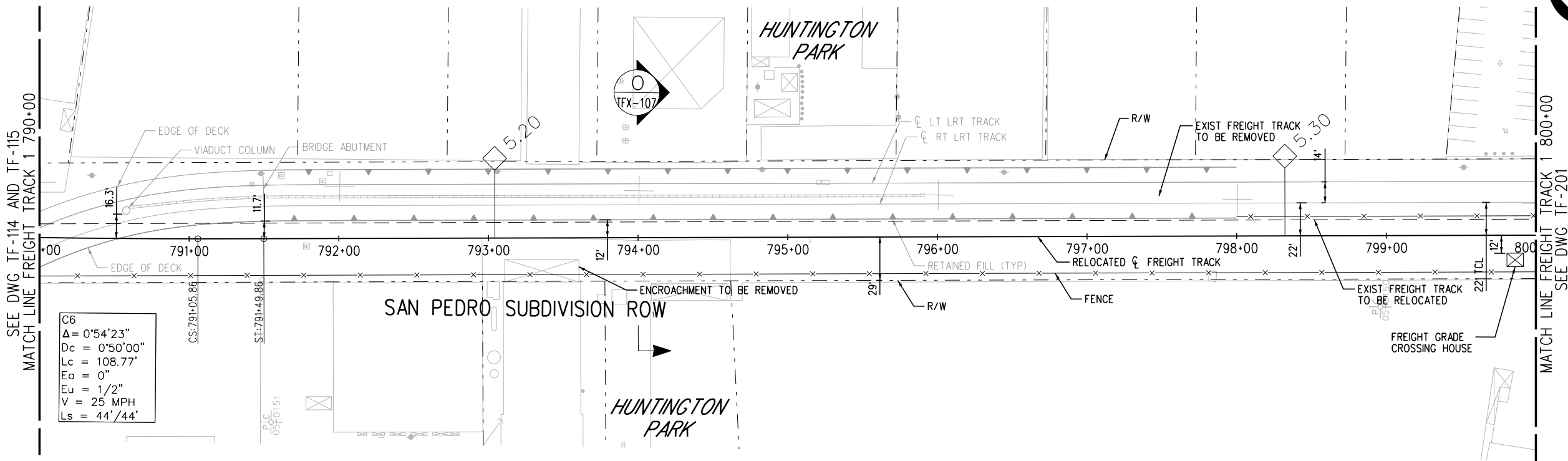
**Metro**  
 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

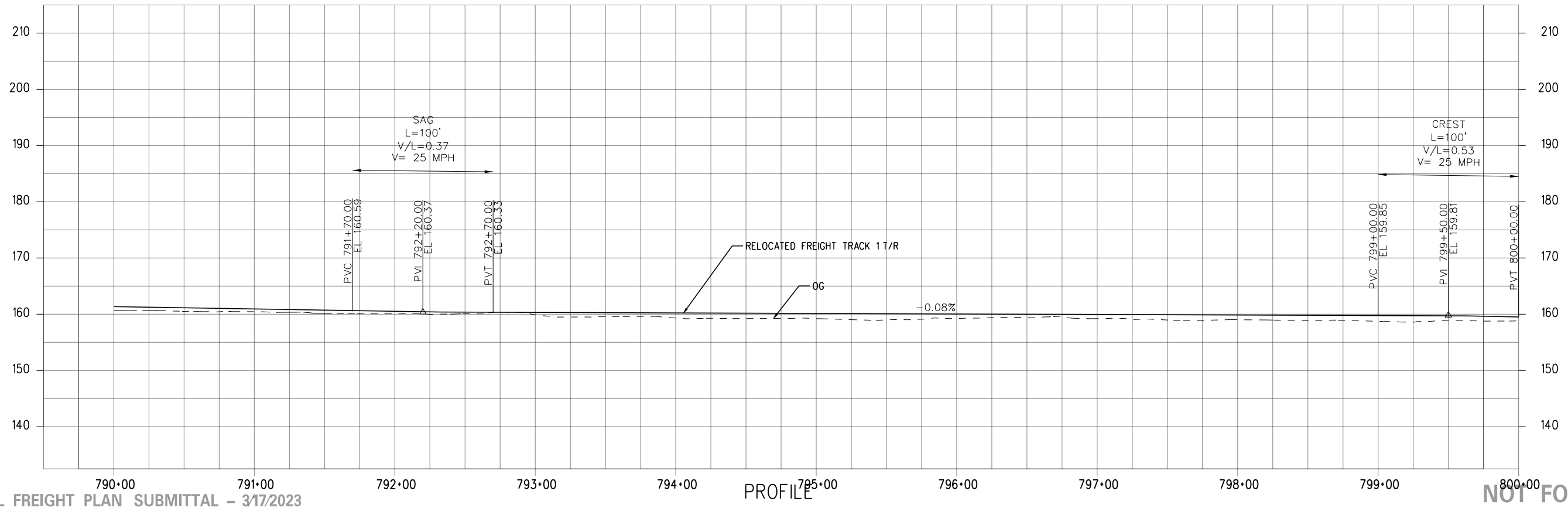
WEST SANTA ANA BRANCH FREIGHT TRACK  
 FREIGHT LA HABRA BRANCH  
 PLAN & PROFILE  
 STA 782+00 TO STA 790+00

CONTRACT NO. AE5999300  
 DRAWING NO. TF-115  
 SCALE: HORIZ: 1"=40'  
 VERT: 1"=10'  
 SHEET NO. 24 OF 96

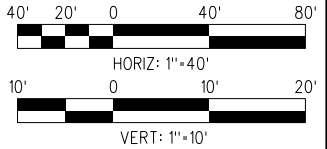
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_



PLAN



PROFILE



15-DEC-2023 E-28091ATF116.plg

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

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.	
1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

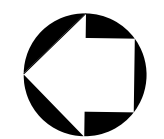
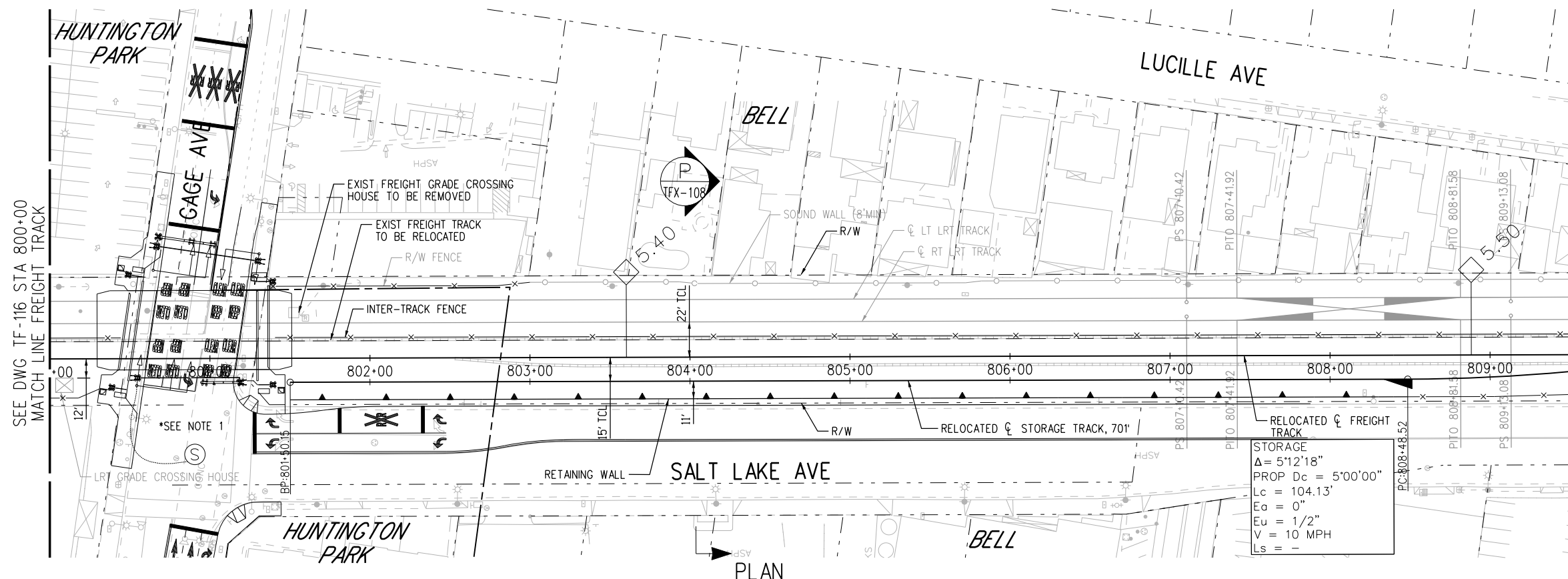
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

WEST SANTA ANA BRANCH FREIGHT TRACK  
 FREIGHT  
 SAN PEDRO BRANCH  
 PLAN & PROFILE  
 STA 790+00 TO STA 800+00

CONTRACT NO. AE5999300  
 DRAWING NO. TF-116  
 SCALE: HOR: 1"=40' VERT: 1"=10'  
 SHEET NO. 25 OF 96

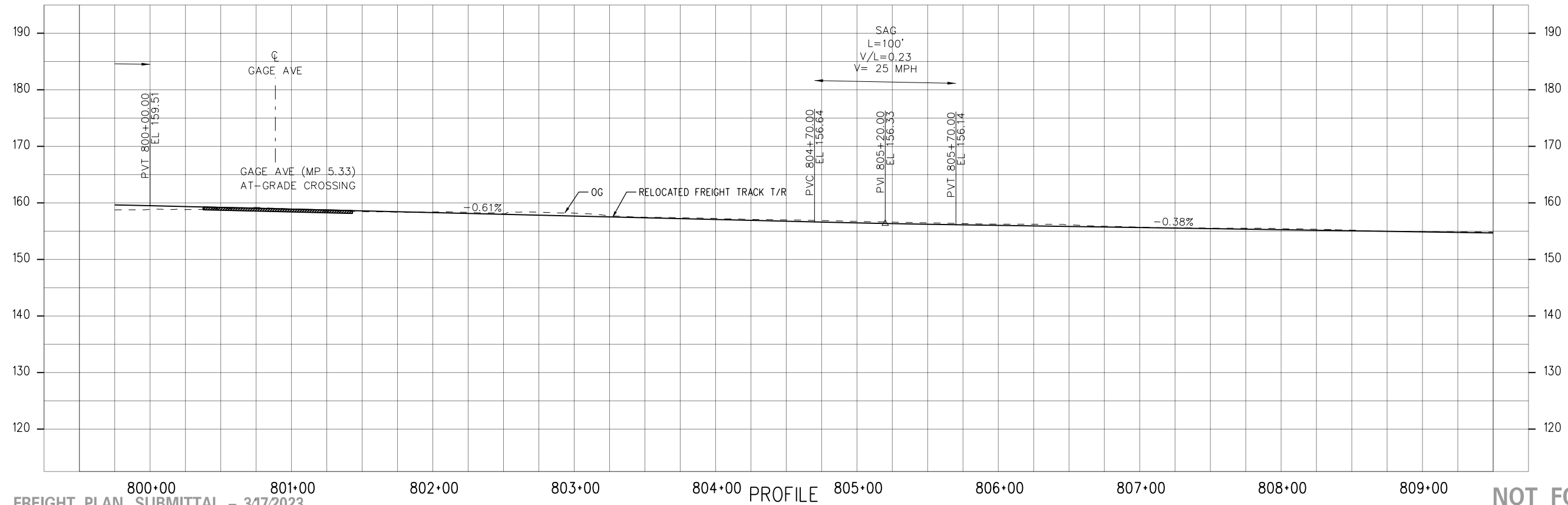


- NOTES:**
1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.
  2. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.

SEE DWG TF-116 STA 800+00  
MATCH LINE FREIGHT TRACK

MATCH LINE FREIGHT TRACK  
SEE DWG TF-202 STA 809+50

PLAN



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF201.plg

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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.	
1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY JS
DRAWN BY HX
CHECKED BY JSP
IN CHARGE RL
DATE 3/17/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**

**FREIGHT SAN PEDRO BRANCH PLAN & PROFILE**

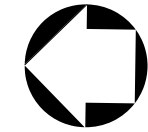
**STA 800+00 TO STA 809+50**

CONTRACT NO. **AE5999300**

DRAWING NO. **TF-201**

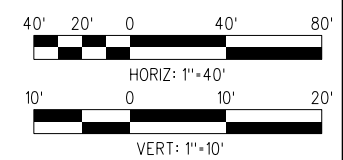
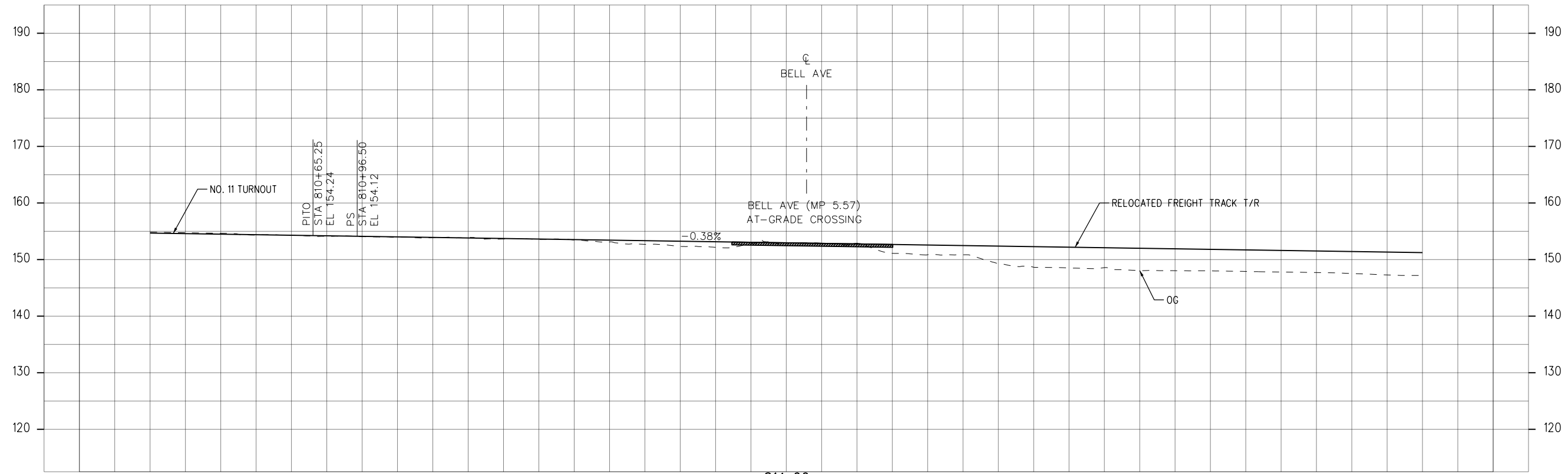
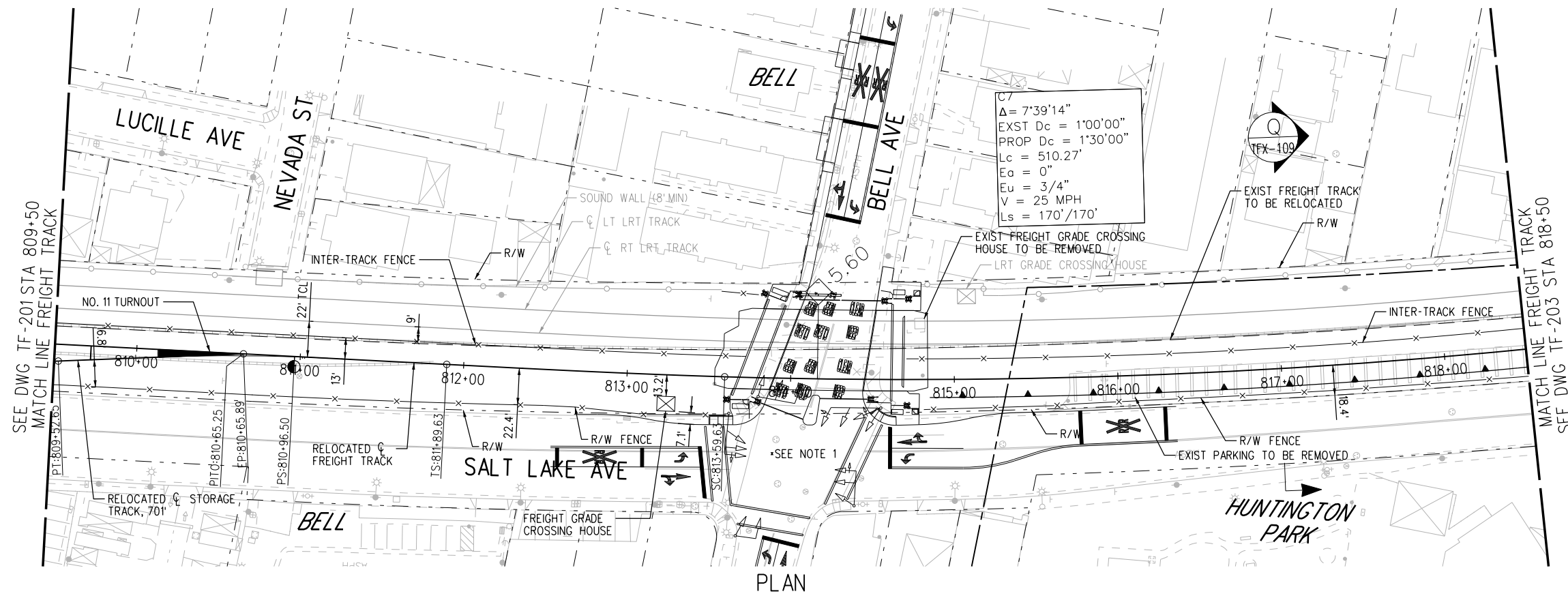
SCALE **HORIZ: 1"=40'**  
**VERT: 1"=10'**

SHEET NO. **26** OF **96**



**NOTES:**

1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.
2. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.



15-DEC-2023 E-28091ATF202.plg  
wspw14\_pw-svc 02:55

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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.	
1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023

**Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT SAN PEDRO BRANCH**  
**PLAN & PROFILE**  
 STA 809+50 TO STA 818+50

CONTRACT NO. AE5999300  
 DRAWING NO. TF-202  
 SCALE: HORIZ: 1"=40'  
 VERT: 1"=10'  
 SHEET NO. 27 OF 96

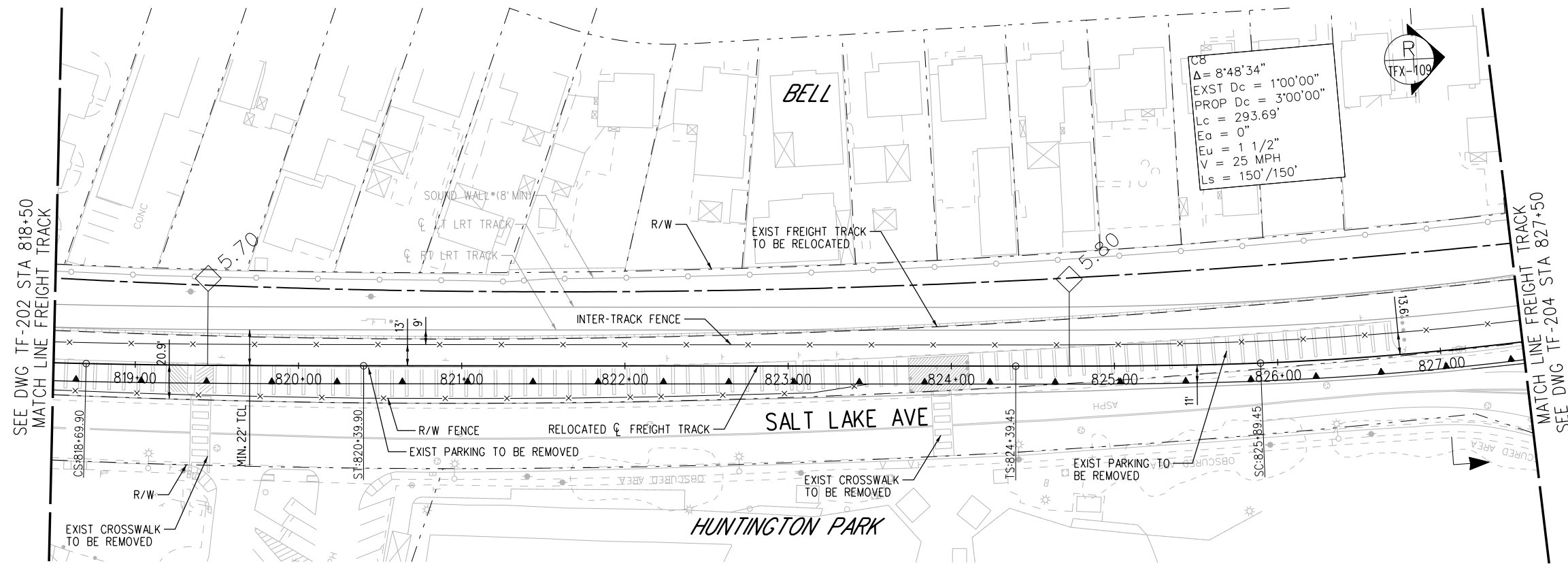
**NOT FOR CONSTRUCTION**



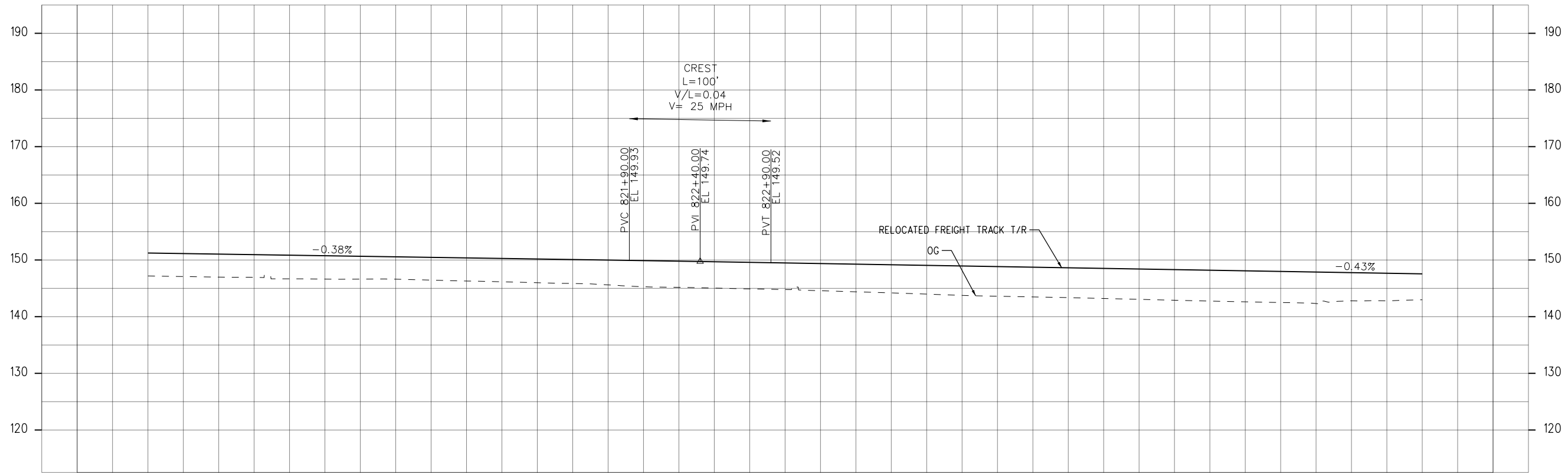


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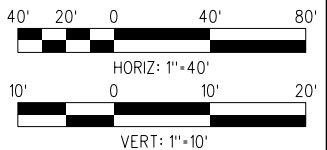
1. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF203.plg  
wsppw14-pw-svc 02:55

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

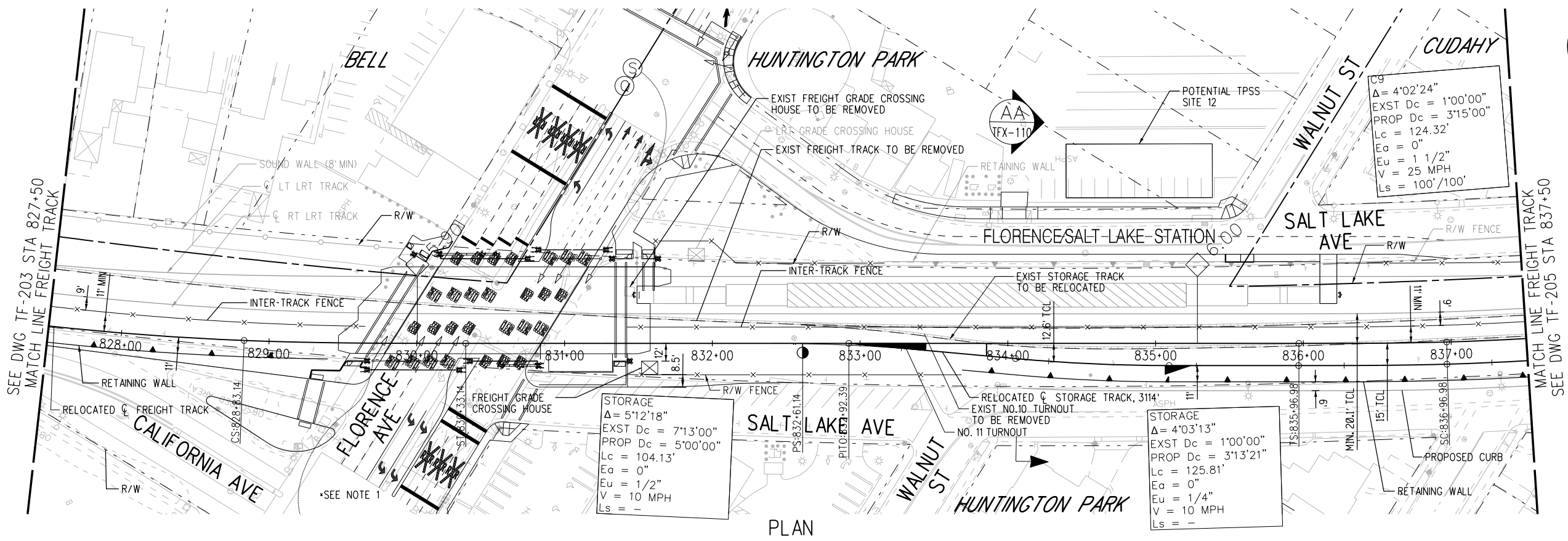
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY JS
1	3/17/2023	DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
		DATE 3/17/2023
		FINAL FREIGHT PLAN SUBMITTAL

	<b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>
	515 South Figueroa Street Suite 1400 Los Angeles, CA 90071
SUBMITTED	_____
APPROVED	_____

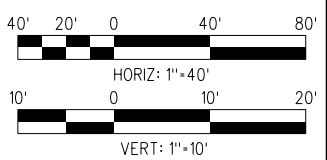
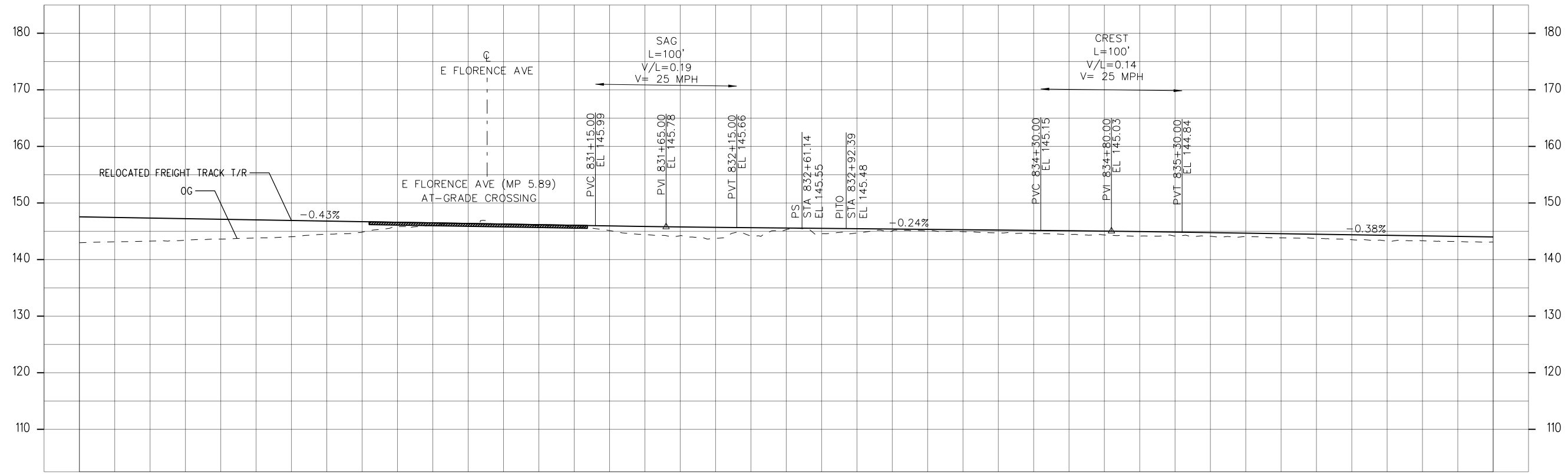
<b>WEST SANTA ANA BRANCH FREIGHT TRACK</b>		CONTRACT NO. <b>AE5999300</b>
<b>FREIGHT SAN PEDRO BRANCH PLAN &amp; PROFILE</b>		DRAWING NO. <b>TF-203</b>
<b>STA 818+50 TO STA 827+50</b>		SCALE HOR: 1"=40' VERT: 1"=10'
SHEET NO. <b>28</b>	OF <b>96</b>	REV



- NOTES:**
- REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.
  - REFER TO LRT PLANS FOR SOUND WALL INFORMATION.



PLAN



15-DEC-2023 E-28091ATF204.plg  
wspw14\_pw-svc 02:55

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

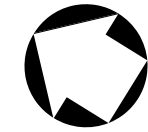
**M Metro**  
 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

WEST SANTA ANA BRANCH FREIGHT TRACK  
 SAN PEDRO BRANCH  
 PLAN & PROFILE  
 STA 827+50 TO STA 837+50

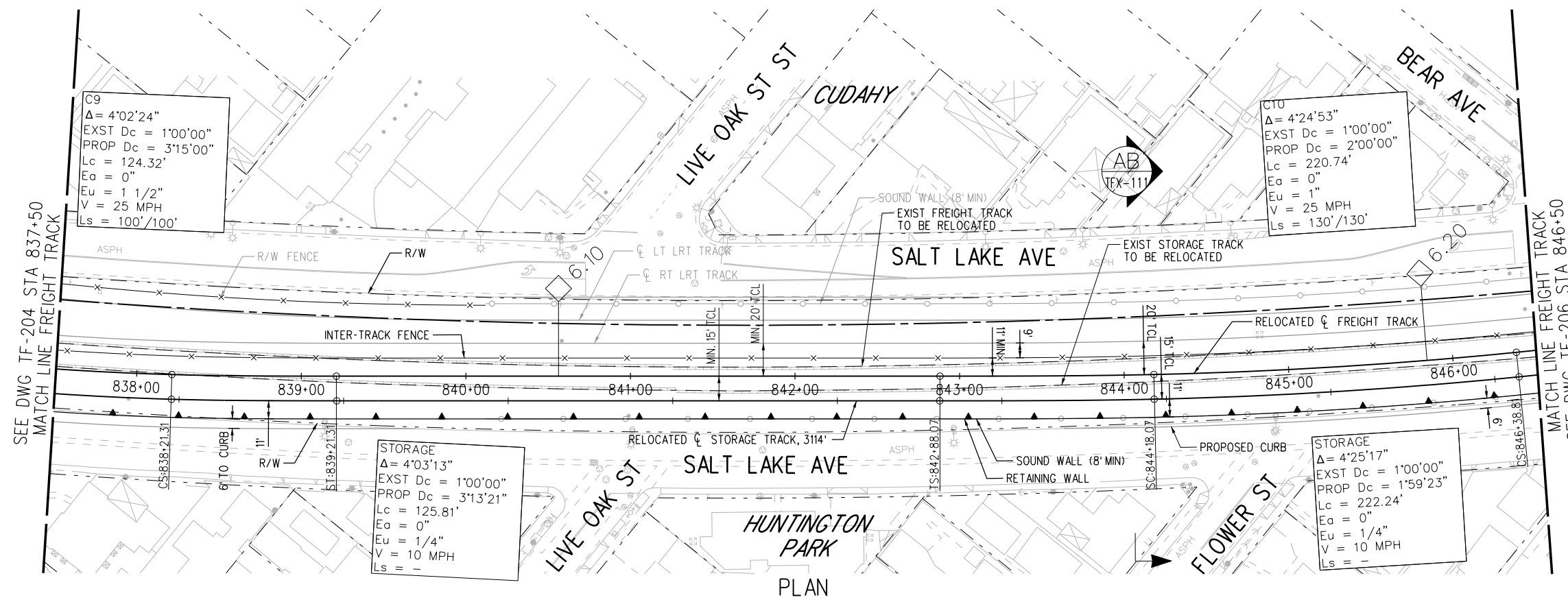
CONTRACT NO. AE5999300  
 DRAWING NO. TF-204  
 SCALE: HORIZ: 1"=40'  
 VERT: 1"=10'  
 SHEET NO. 29 OF 96

**NOT FOR CONSTRUCTION**

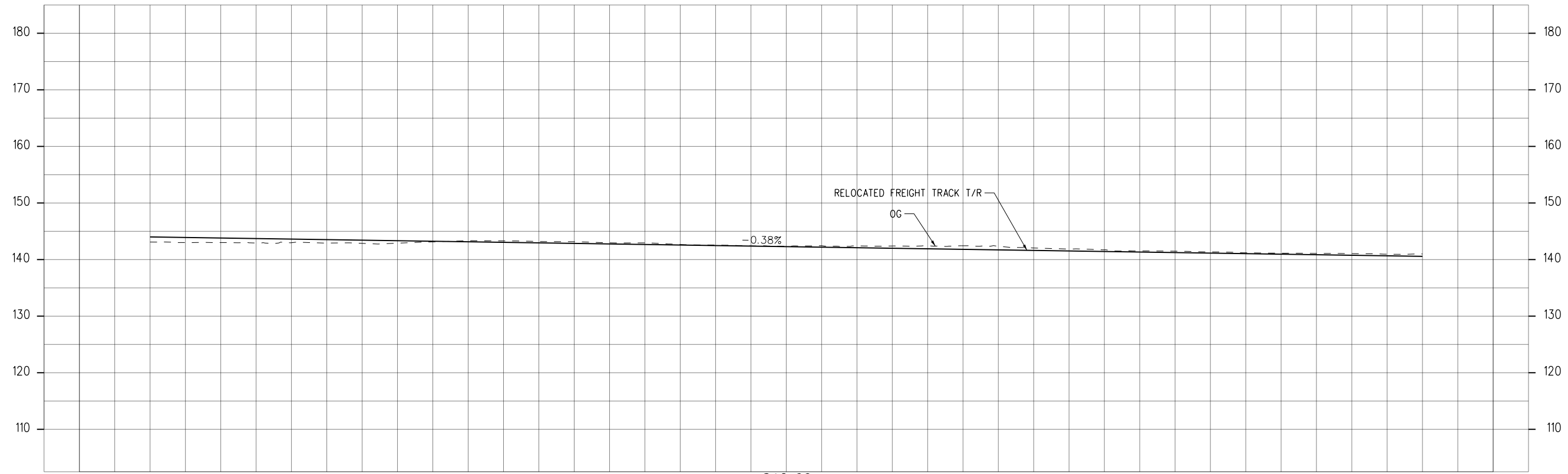


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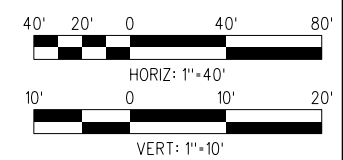
1. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF205.plg  
wspw14-pw-svc 02:53

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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.	
1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023

**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

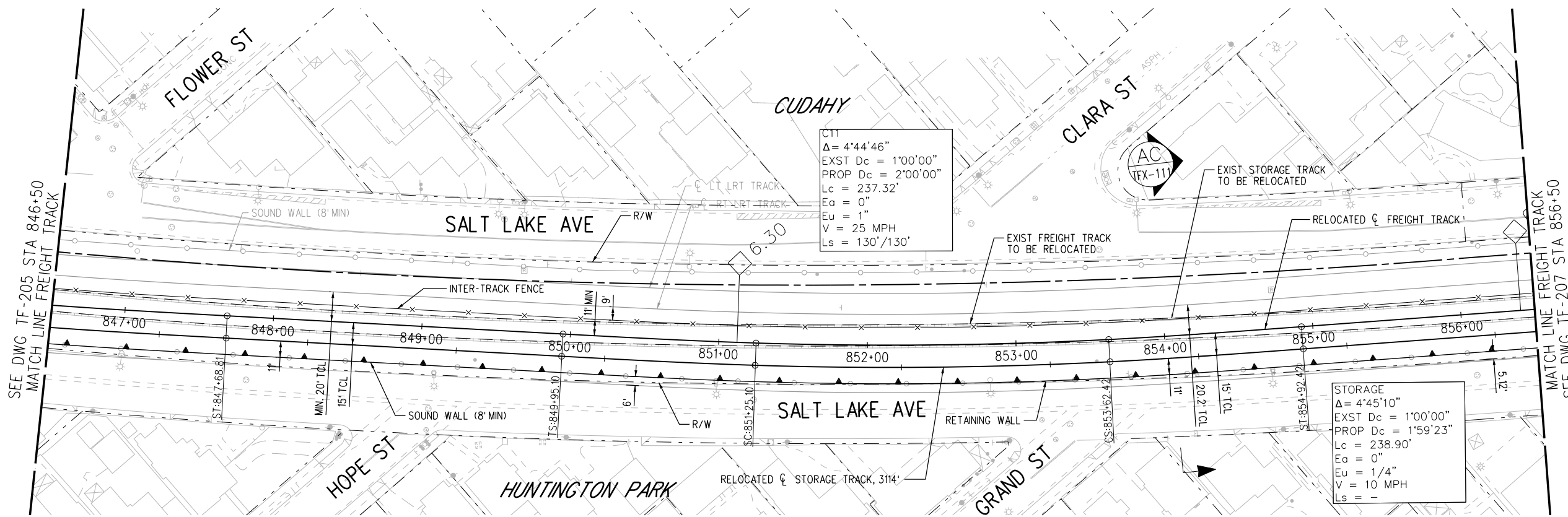
**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT SAN PEDRO BRANCH**  
**PLAN & PROFILE**  
 STA 837+50 TO STA 846+50

CONTRACT NO. **AE5999300**  
 DRAWING NO. **TF-205**  
 SCALE **HOR: 1"=40'**  
**VERT: 1"=10'**  
 SHEET NO. **30** OF **96**

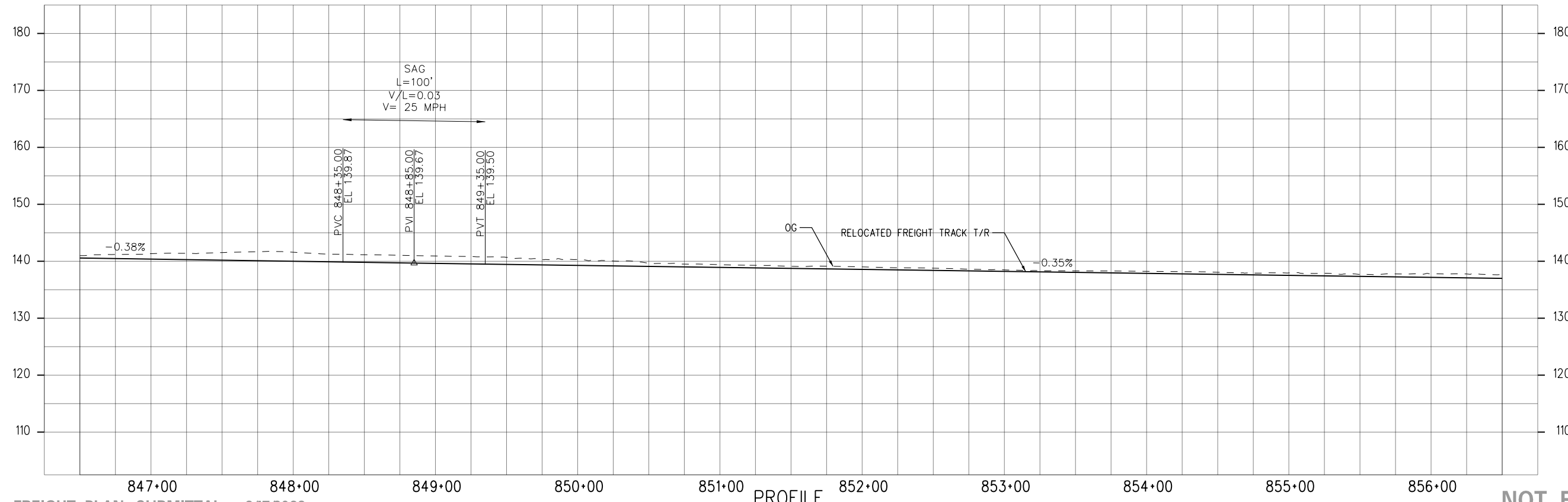


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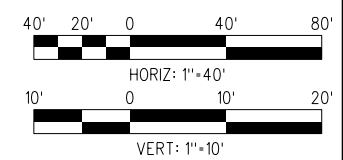
1. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.



PLAN



PROFILE



NOT FOR CONSTRUCTION

15-DEC-2023 E-28091ATF206.plg  
wspw14-pw-svc 02:55

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

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.	
1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023

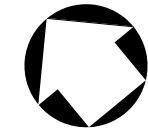
**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

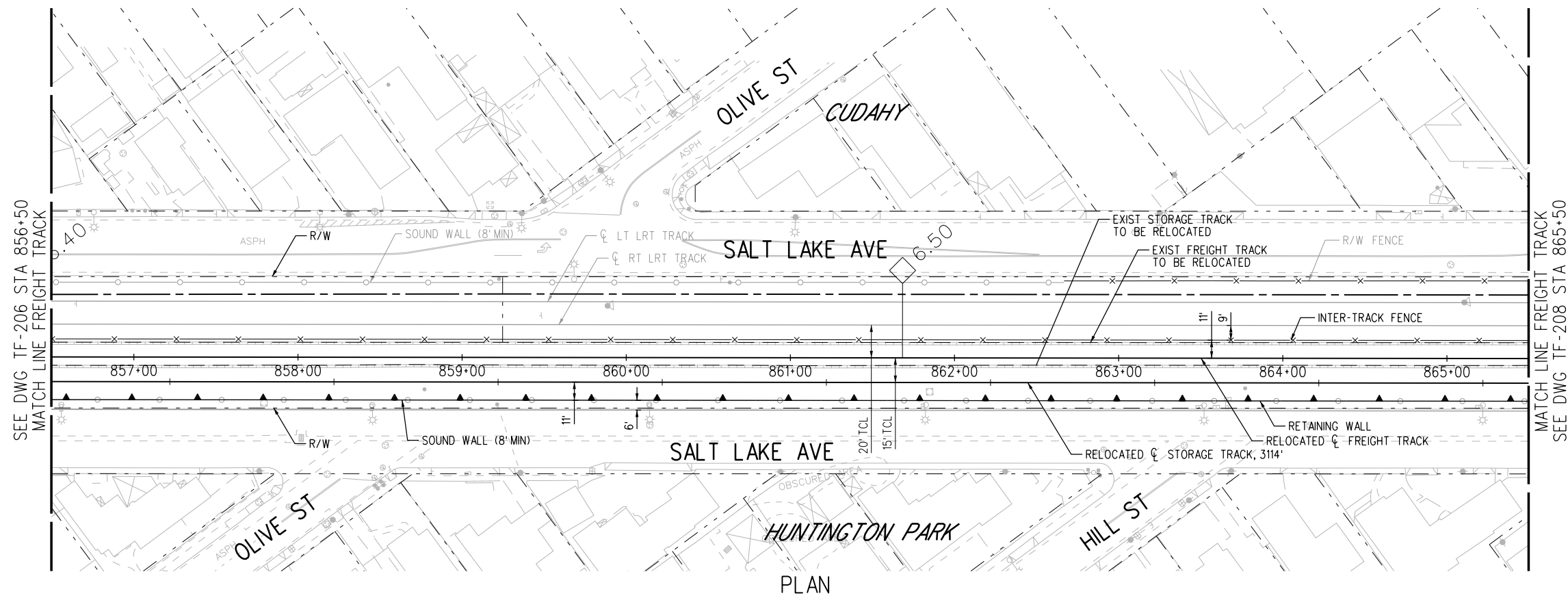
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH FREIGHT TRACK  
 FREIGHT  
 SAN PEDRO BRANCH  
 PLAN & PROFILE  
 STA 846+50 TO STA 856+50

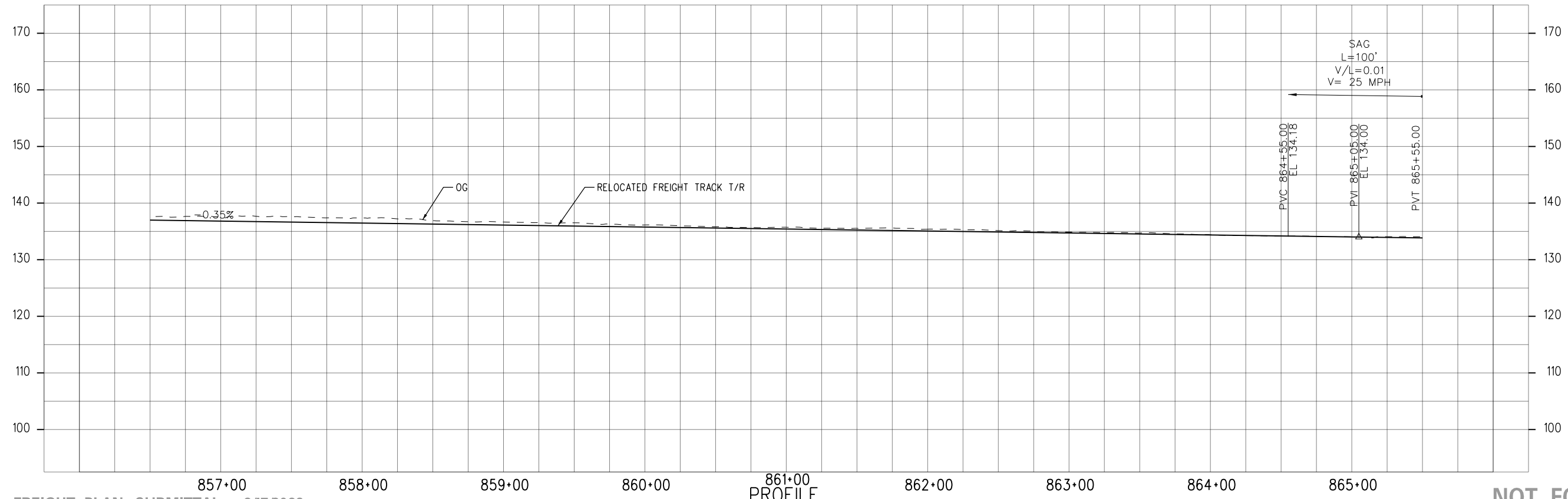
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 DRAWING NO. TF-206  
 SCALE: HORIZ: 1"=40'  
 VERT: 1"=10'  
 SHEET NO. 31 OF 96



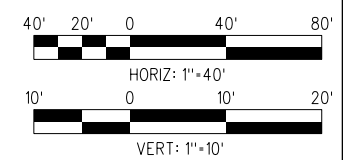
**NOTE:**  
1. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF207.plg  
wsppw14-pw-svc 02:53

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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.	
1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY JS
DRAWN BY HX
CHECKED BY JSP
IN CHARGE RL
DATE 3/17/2023

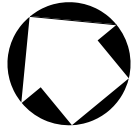
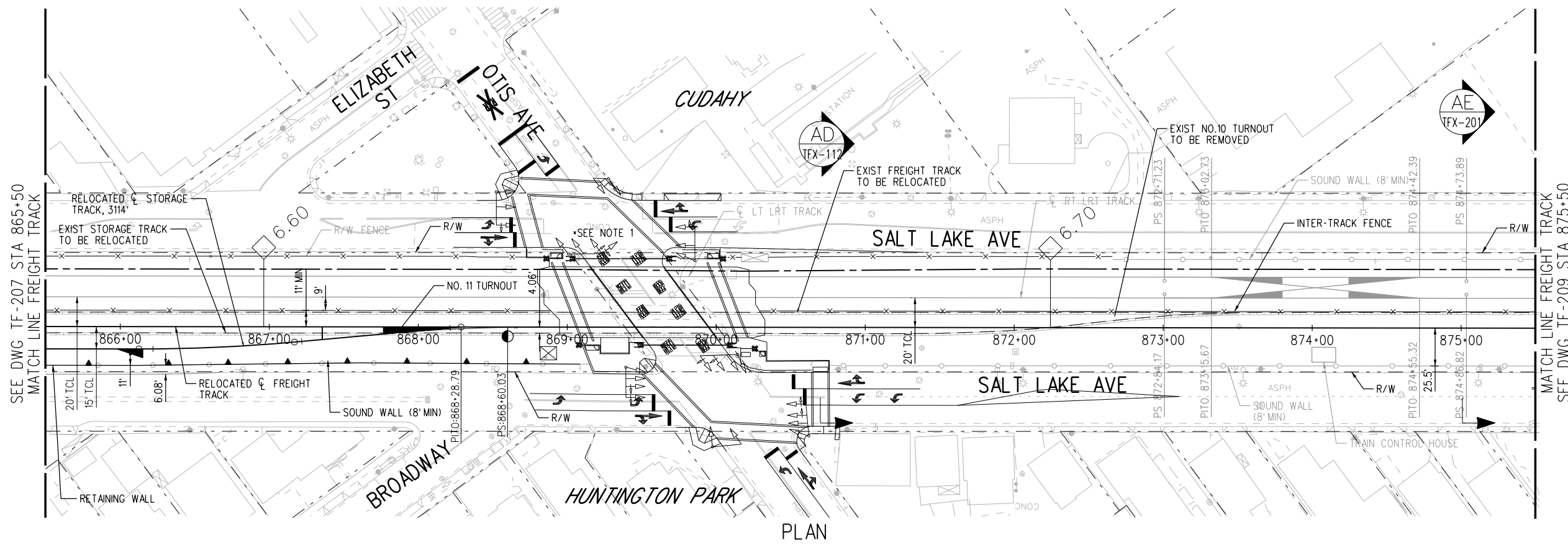
**M Metro**  
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

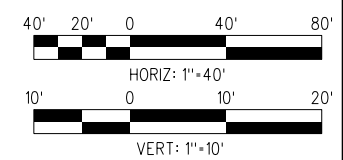
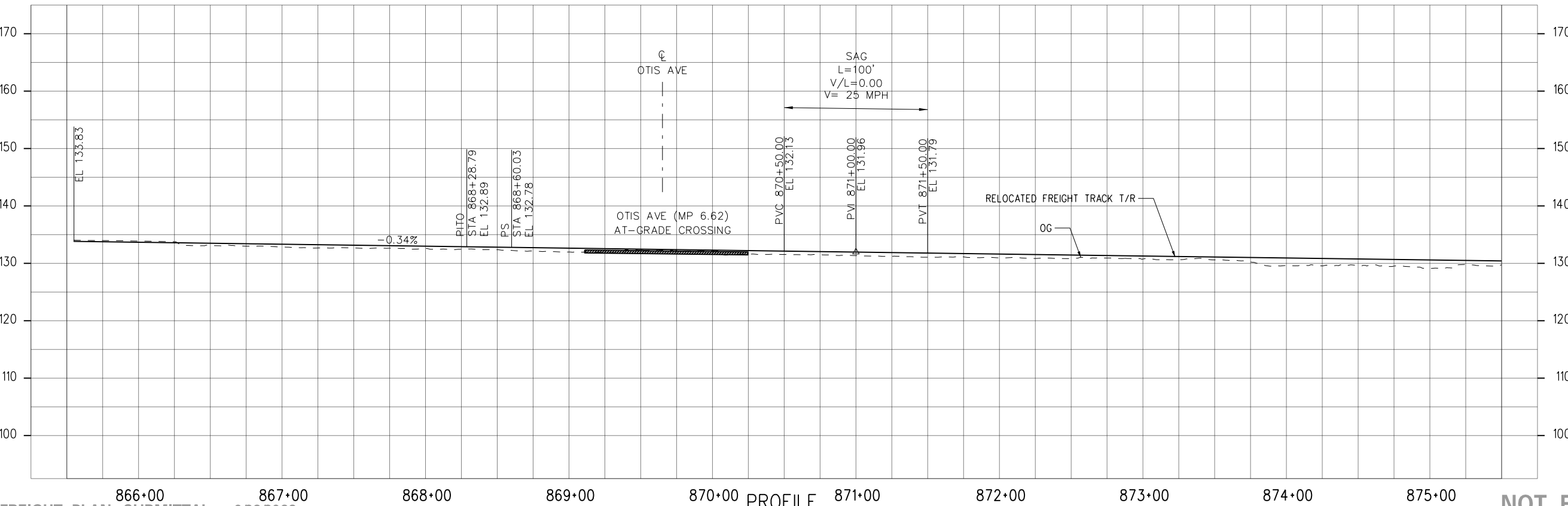
SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT SAN PEDRO BRANCH**  
**PLAN & PROFILE**  
**STA 856+50 TO STA 865+50**

CONTRACT NO. **AE5999300**  
DRAWING NO. **TF-207**  
SCALE **HORIZ: 1"=40'**  
**VERT: 1"=10'**  
SHEET NO. **32** OF **96**



- NOTES:**
1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.
  2. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.



15-DEC-2023 E-28091ATF208.plg

**FINAL FREIGHT PLAN SUBMITTAL - 6/22/2023**

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.	
2	6/22/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY JS
DRAWN BY HX
CHECKED BY JSP
IN CHARGE RL
DATE 6/22/2023

**M Metro**

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**

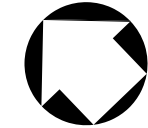
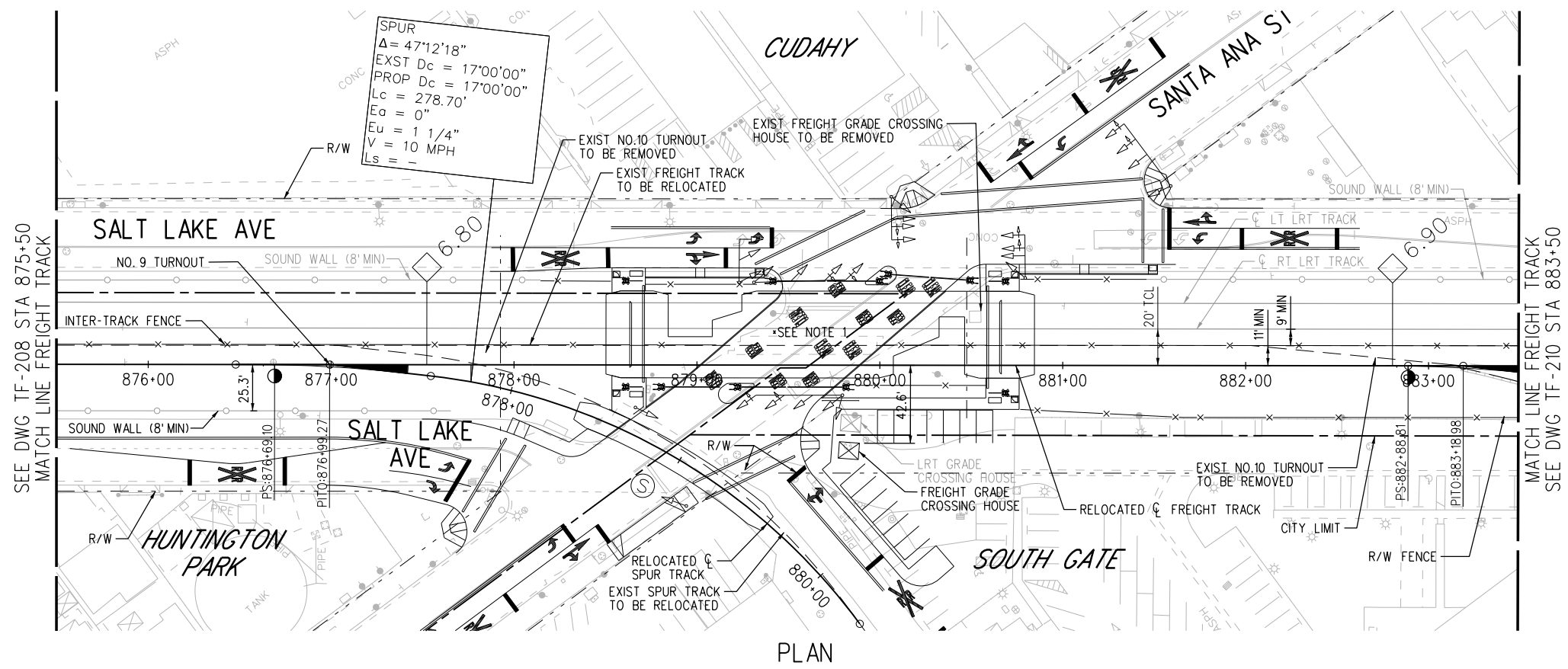
**CONTRACT NO. AE5999300**

**DRAWING NO. TF-208**

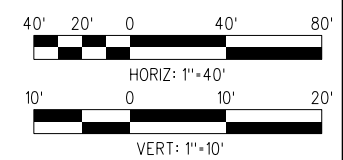
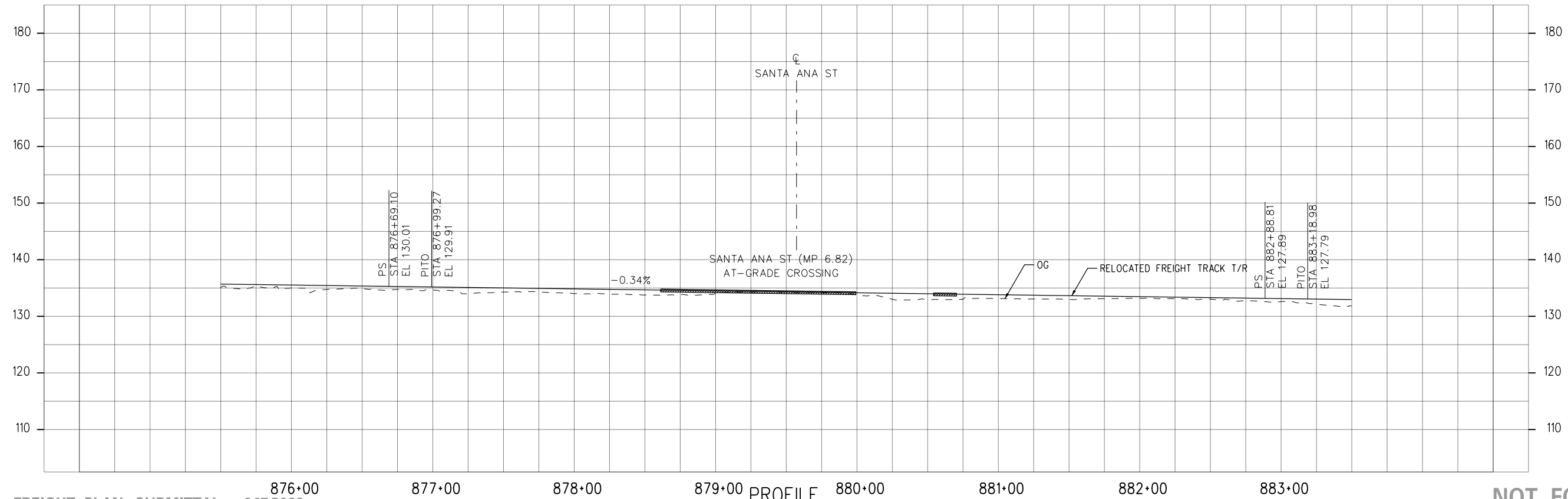
**SCALE: HORIZ: 1"=40' VERT: 1"=10'**

**SHEET NO. 33 OF 96**

**NOT FOR CONSTRUCTION**



- NOTES:**
1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.
  2. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.



15-DEC-2023 E-28091ATF209.plg  
 wspw14\_pw-svc 02:53

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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.	
1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY JS
DRAWN BY HX
CHECKED BY JSP
IN CHARGE RL
DATE 3/17/2023

**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

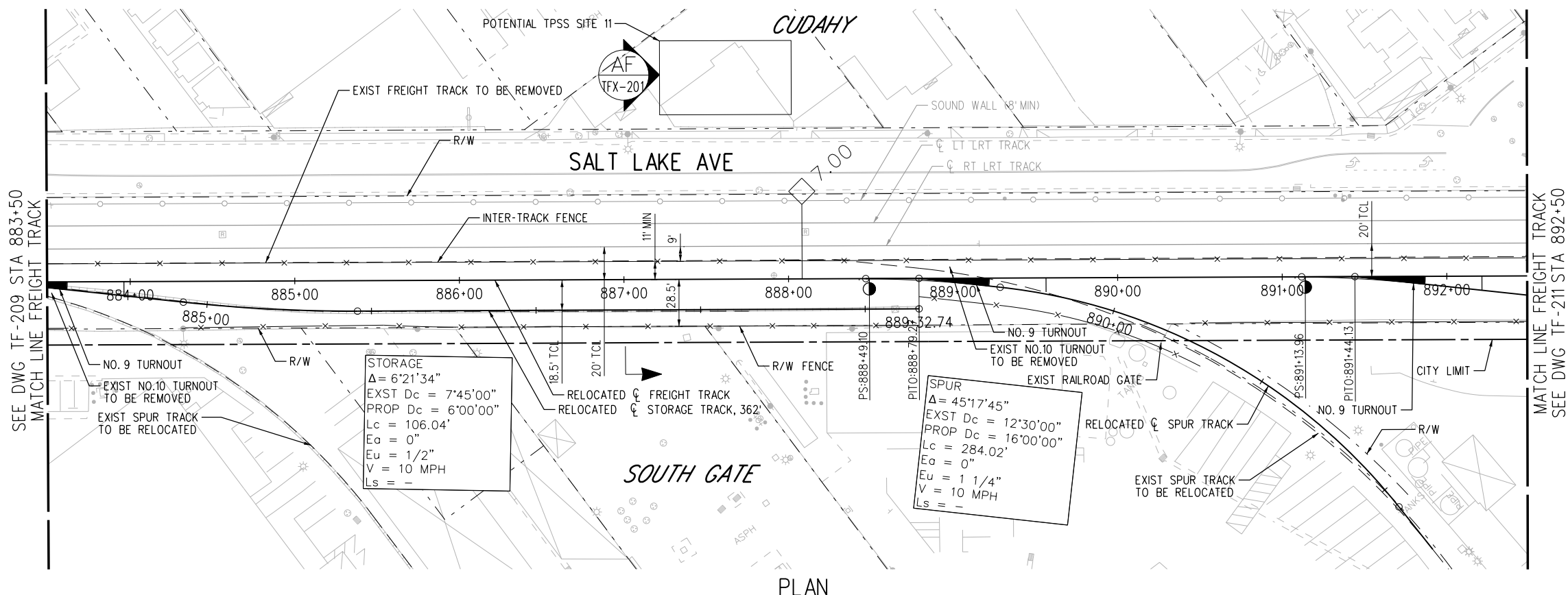
**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT SAN PEDRO BRANCH**  
**PLAN & PROFILE**  
 STA 875+50 TO STA 883+50

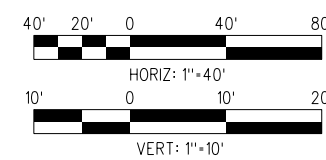
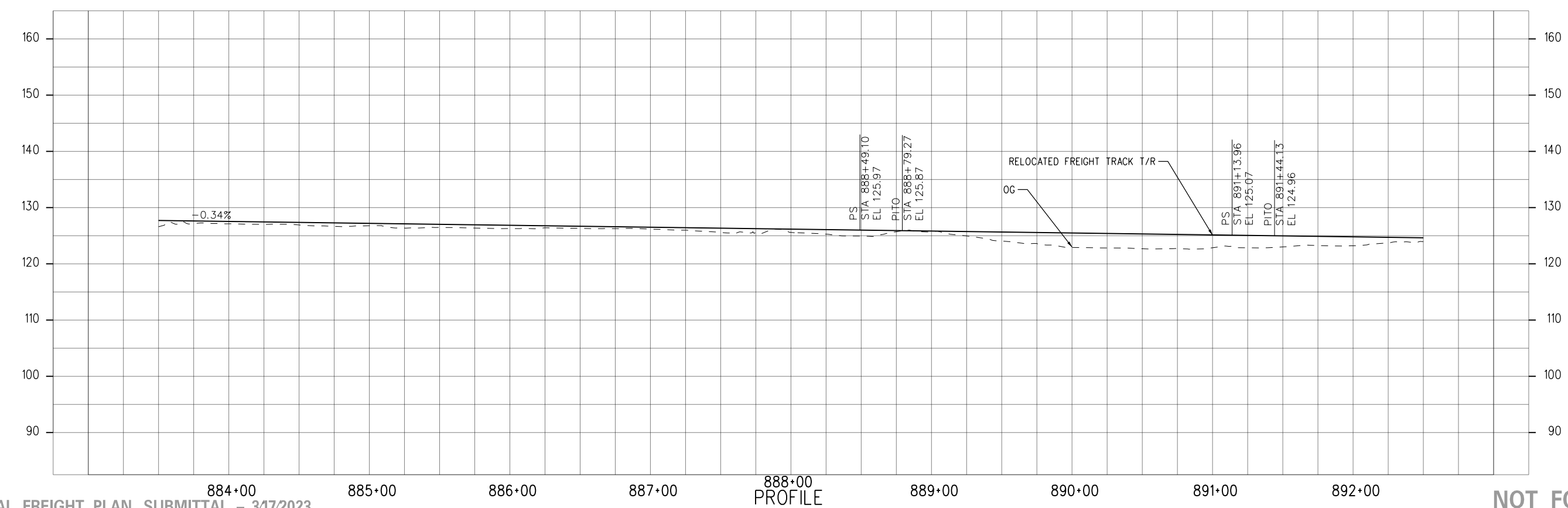
CONTRACT NO. **AE5999300**  
 DRAWING NO. **TF-209**  
 SCALE: HORIZ: 1"=40'  
 VERT: 1"=10'  
 SHEET NO. **34** OF **96**

**NOT FOR CONSTRUCTION**



**NOTE:**  
1. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.

PLAN



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF210.plg  
wspw14-pw-svc 02:53

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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 JS
		DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
1	3/17/2023	DATE 3/17/2023
FINAL FREIGHT PLAN SUBMITTAL		

**Metro**  
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

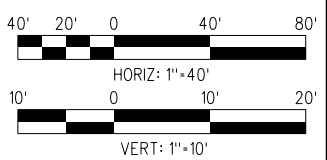
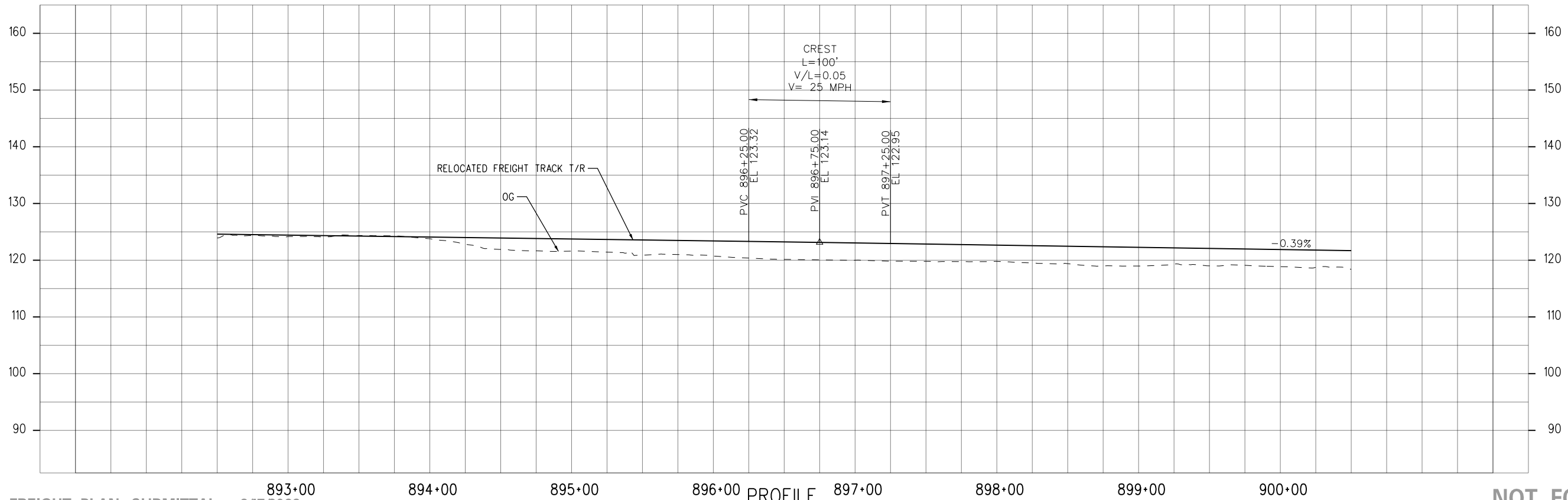
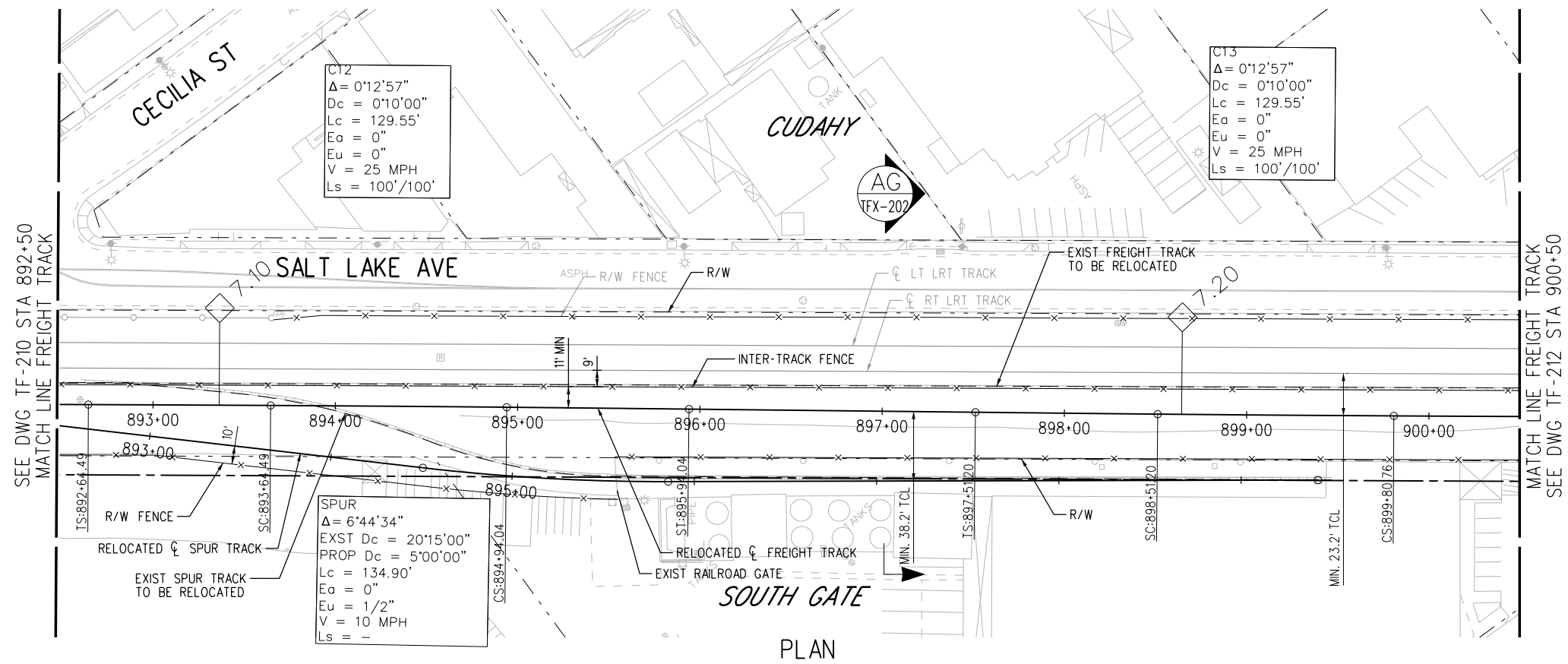
**WSP**

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT SAN PEDRO BRANCH**  
**PLAN & PROFILE**  
**STA 883+50 TO STA 892+50**

CONTRACT NO. <b>AE5999300</b>	
DRAWING NO. <b>TF-210</b>	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO. 35	OF 96





15-DEC-2023 E-28091ATF211.plg  
 wspw14-pw-svc 02:53

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

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.	
1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY JS
DRAWN BY HX
CHECKED BY JSP
IN CHARGE RL
DATE 3/17/2023

**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH FREIGHT TRACK  
 SAN PEDRO BRANCH  
 PLAN & PROFILE  
 STA 892+50 TO STA 900+50

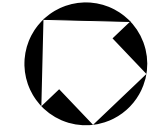
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**AE5999300**

DRAWING NO  
**TF-211**

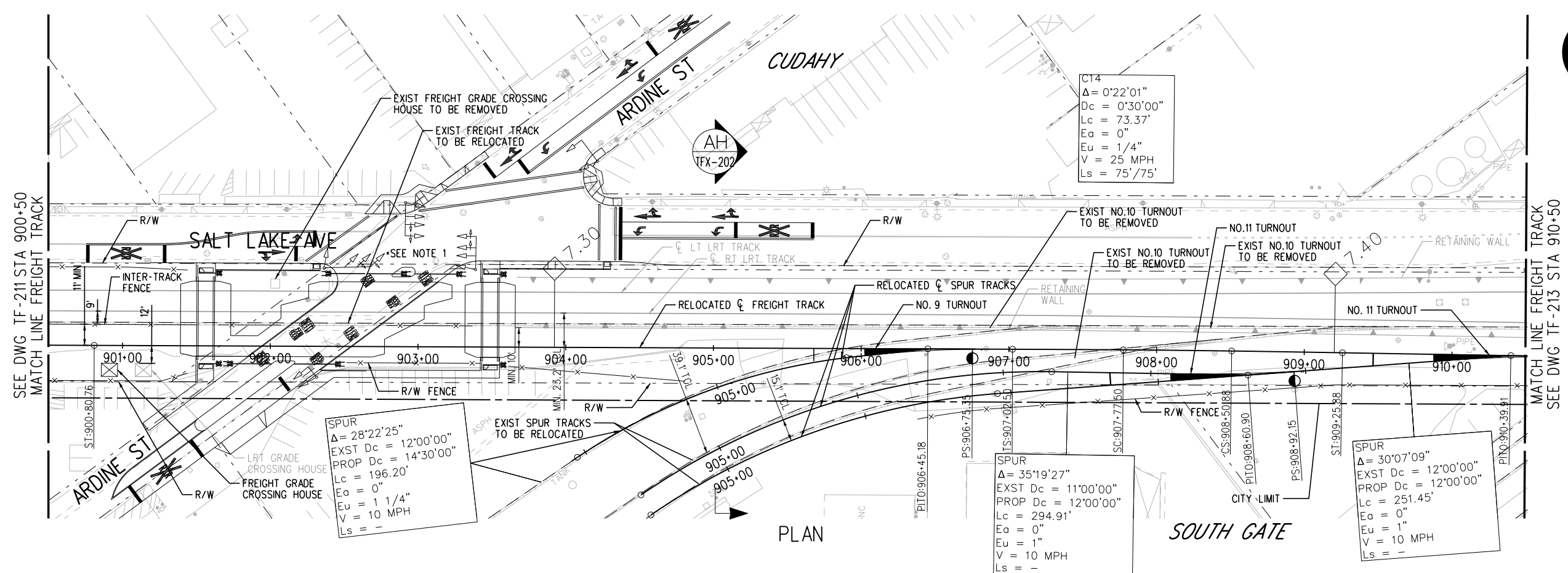
SCALE  
 HOR: 1"=40'  
 VERT: 1"=10'

SHEET NO  
 36 OF 96

NOT FOR CONSTRUCTION

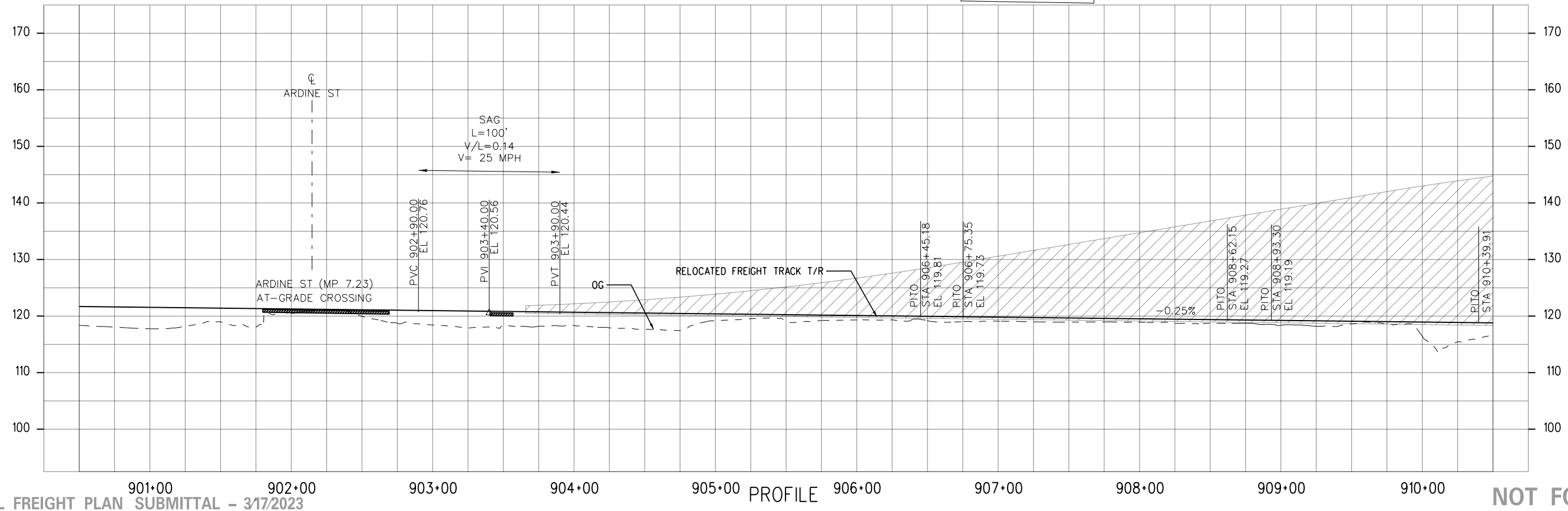


**NOTE:**  
 1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.

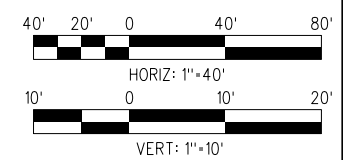


PLAN

SOUTH GATE



PROFILE

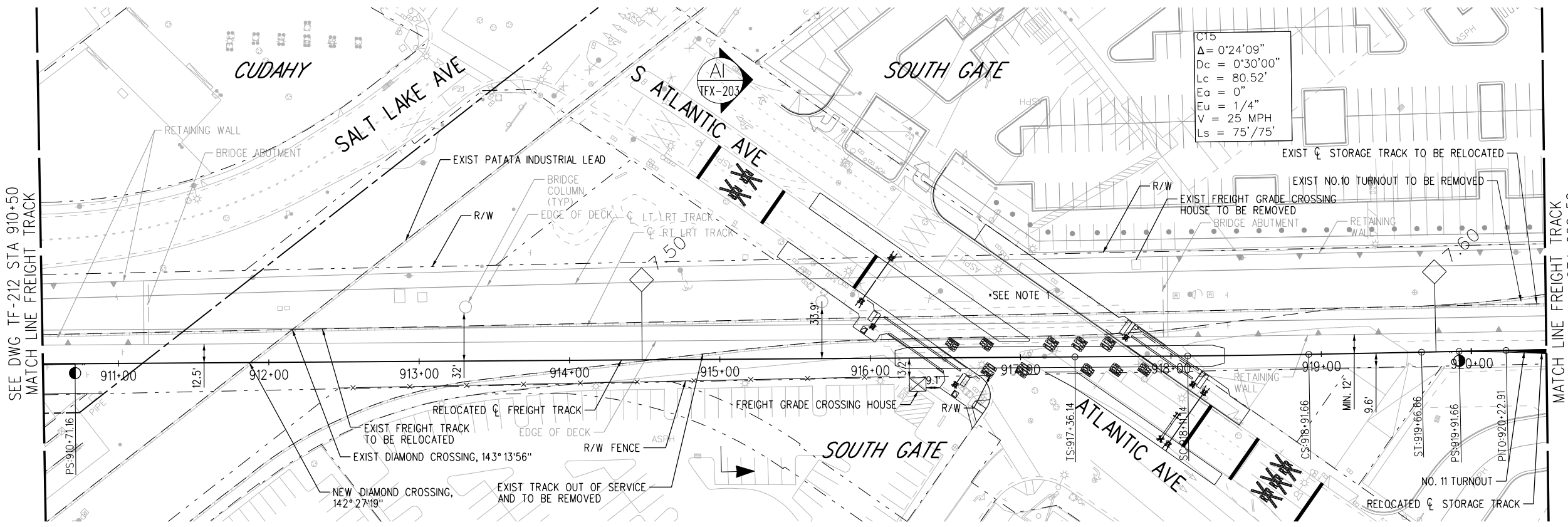


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 wspw14-pw-svc 02:54

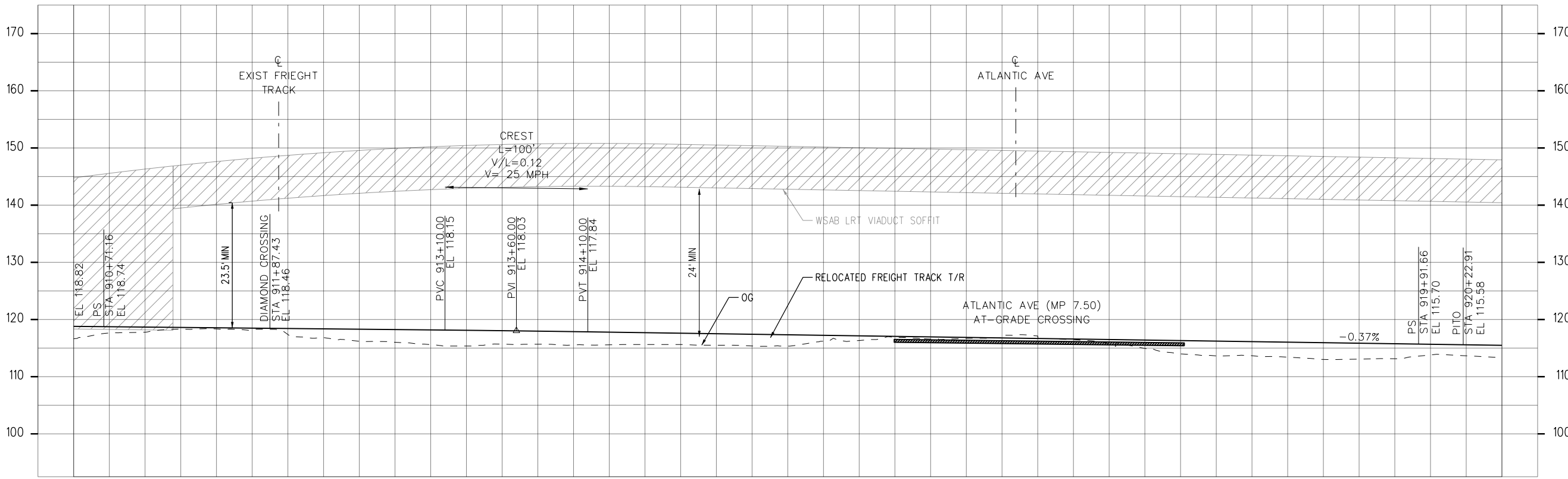
FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

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 JS DRAWN BY HX CHECKED BY JSP IN CHARGE RL DATE 3/17/2023	LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	WEST SANTA ANA BRANCH FREIGHT TRACK FREIGHT SAN PEDRO BRANCH PLAN & PROFILE STA 900+50 TO STA 910+50	CONTRACT NO <b>AE5999300</b> DRAWING NO <b>TF-212</b> SCALE HORIZ: 1"=40' VERT: 1"=10' SHEET NO <b>37</b> OF <b>96</b>
1 3/17/2023	FINAL FREIGHT PLAN SUBMITTAL	515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	SUBMITTED _____ APPROVED _____		



PLAN



PROFILE

NOT FOR CONSTRUCTION

15-DEC-2023 E-28091ATF213.plg

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

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.	
1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023

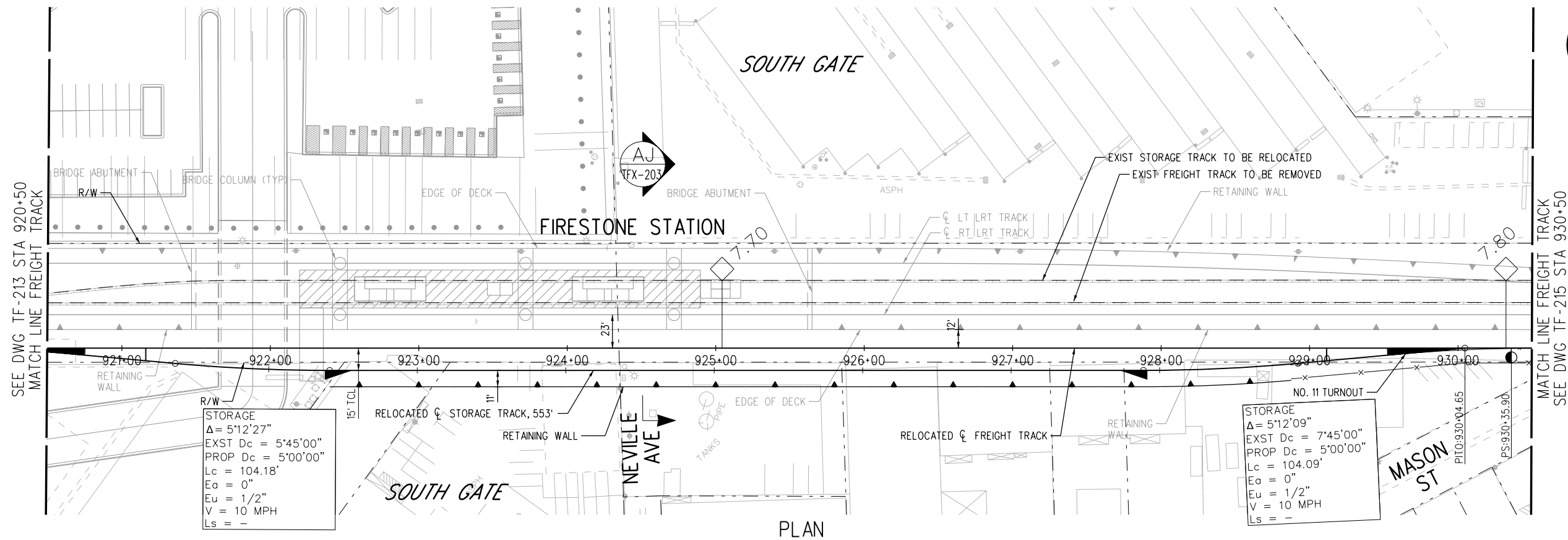
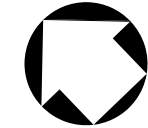
**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH FREIGHT TRACK  
 FREIGHT  
 SAN PEDRO BRANCH  
 PLAN & PROFILE  
 STA 910+50 TO STA 920+50

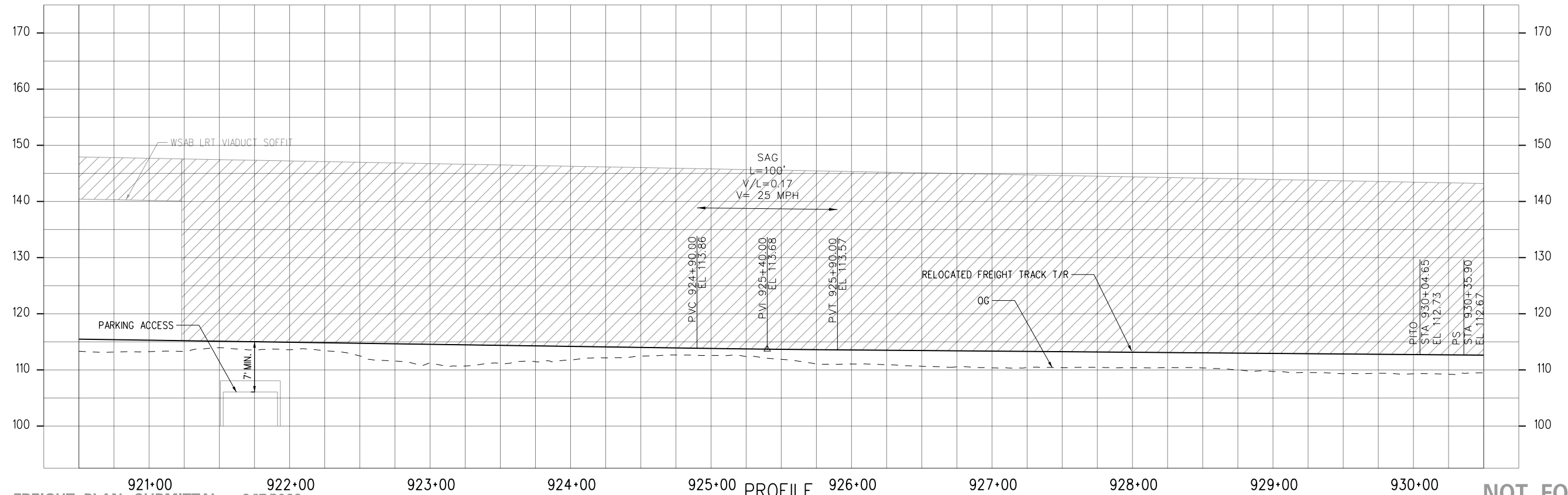
CONTRACT NO. AE5999300  
 DRAWING NO. TF-213  
 SCALE: HORIZ: 1"=40'  
 VERT: 1"=10'  
 SHEET NO. 38 OF 96



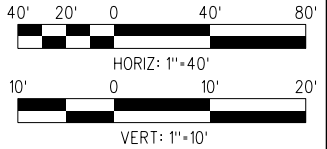
STORAGE  
 $\Delta = 5'12'27''$   
 EXST Dc =  $5'45'00''$   
 PROP Dc =  $5'00'00''$   
 Lc = 104.18'  
 Ea = 0"  
 Eu = 1/2"  
 V = 10 MPH  
 Ls = -

STORAGE  
 $\Delta = 5'12'09''$   
 EXST Dc =  $7'45'00''$   
 PROP Dc =  $5'00'00''$   
 Lc = 104.09'  
 Ea = 0"  
 Eu = 1/2"  
 V = 10 MPH  
 Ls = -

PLAN



PROFILE



NOT FOR CONSTRUCTION

15-DEC-2023 E-28091ATF214.plg

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

1	3/17/2023	FINAL FREIGHT PLAN SUBMITTAL
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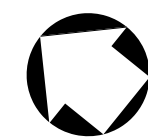
**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

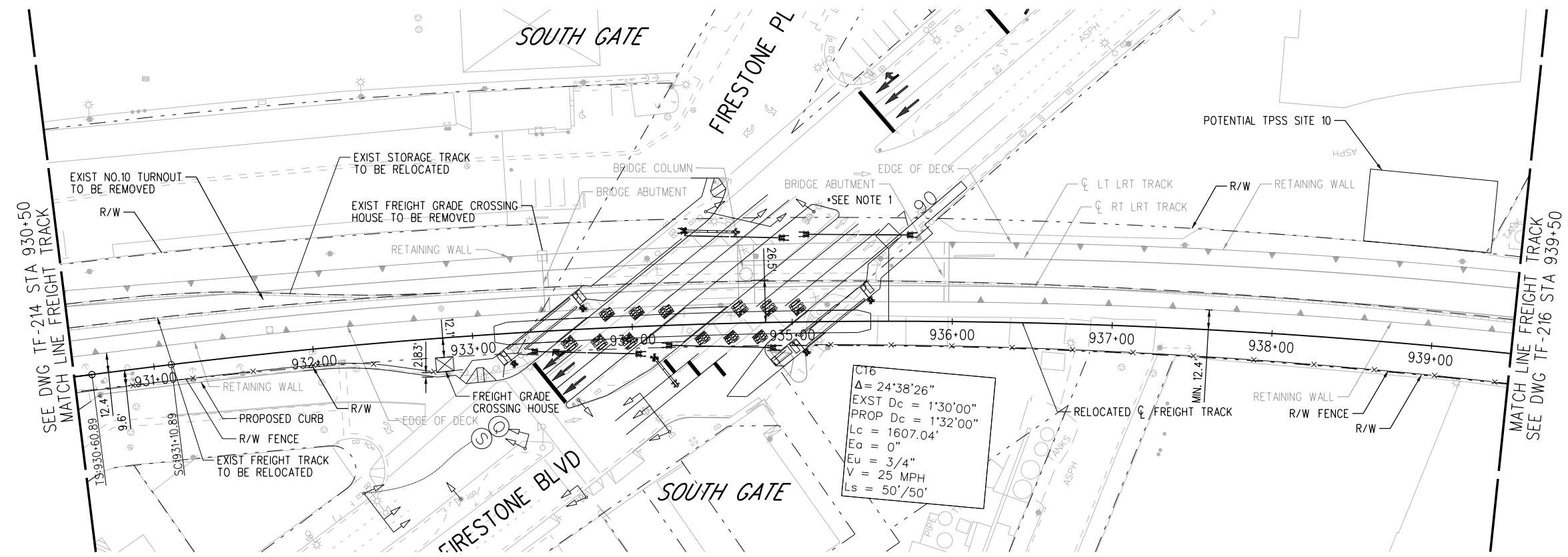
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH FREIGHT TRACK  
 FREIGHT  
 SAN PEDRO BRANCH  
 PLAN & PROFILE  
 STA 920+50 TO STA 930+50

CONTRACT NO.	AE5999300
DRAWING NO.	TF-214
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO.	39 OF 96

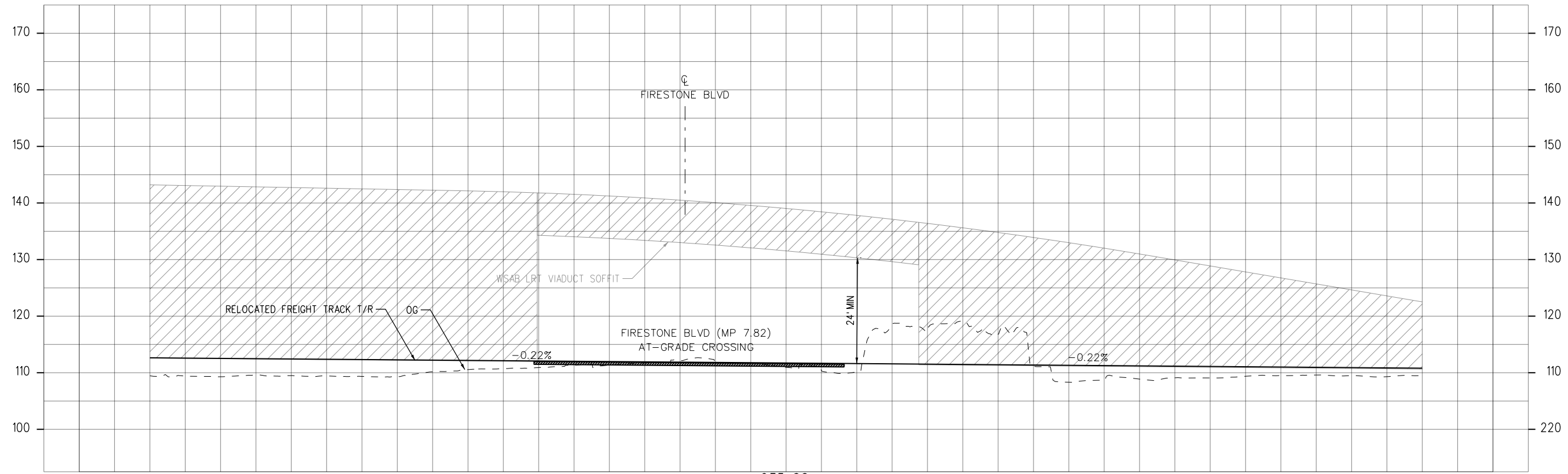


**NOTE:**  
 1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.



C16  
 $\Delta = 24'38'26''$   
 EXST Dc = 1'30'00"  
 PROP Dc = 1'32'00"  
 Lc = 1607.04'  
 Ea = 0"  
 Eu = 3/4"  
 V = 25 MPH  
 Ls = 50'/50'

PLAN



PROFILE

**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF215.plg

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

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.	
1	3/17/2023
	FINAL FREIGHT PLAN SUBMITTAL

DESIGNED BY JS
DRAWN BY HX
CHECKED BY JSP
IN CHARGE RL
DATE 3/17/2023

**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

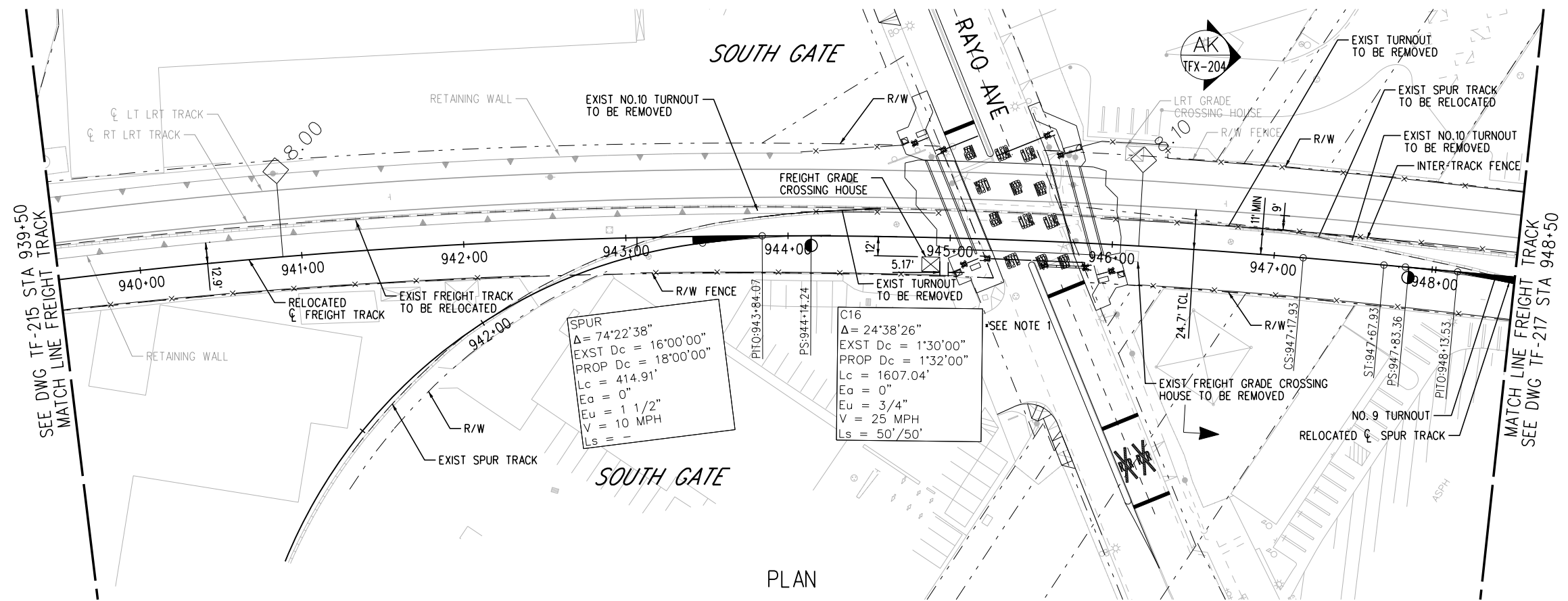
WEST SANTA ANA BRANCH FREIGHT TRACK  
 FREIGHT  
 SAN PEDRO BRANCH  
 PLAN & PROFILE  
 STA 930+50 TO STA 939+50

CONTRACT NO  
**AE5999300**

DRAWING NO  
**TF-215**

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

SHEET NO  
 40 OF 96

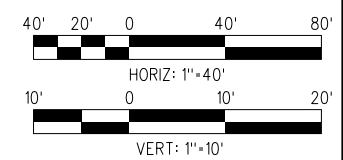
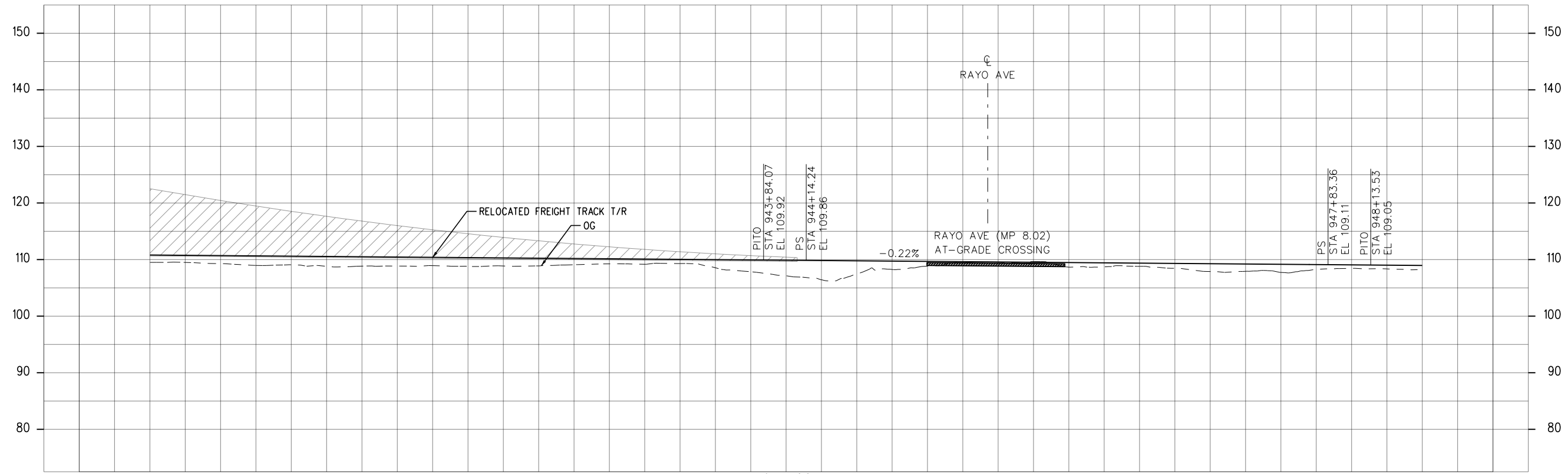


**NOTE:**  
1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.

**SPUR**  
 $\Delta = 74^{\circ}22'38''$   
 EXST Dc = 16'00'00"  
 PROP Dc = 18'00'00"  
 Lc = 414.91'  
 Ea = 0"  
 Eu = 1 1/2"  
 V = 10 MPH  
 Ls = -

**C16**  
 $\Delta = 24^{\circ}38'26''$   
 EXST Dc = 1'30'00"  
 PROP Dc = 1'32'00"  
 Lc = 1607.04'  
 Ea = 0"  
 Eu = 3/4"  
 V = 25 MPH  
 Ls = 50'/50'

PLAN



15-DEC-2023 E-28091ATF216.plg

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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 JS
1	3/17/2023	DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
		DATE 3/17/2023
		FINAL FREIGHT PLAN SUBMITTAL

<p><b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b></p>	<p>515 South Figueroa Street Suite 1400 Los Angeles, CA 90071</p>
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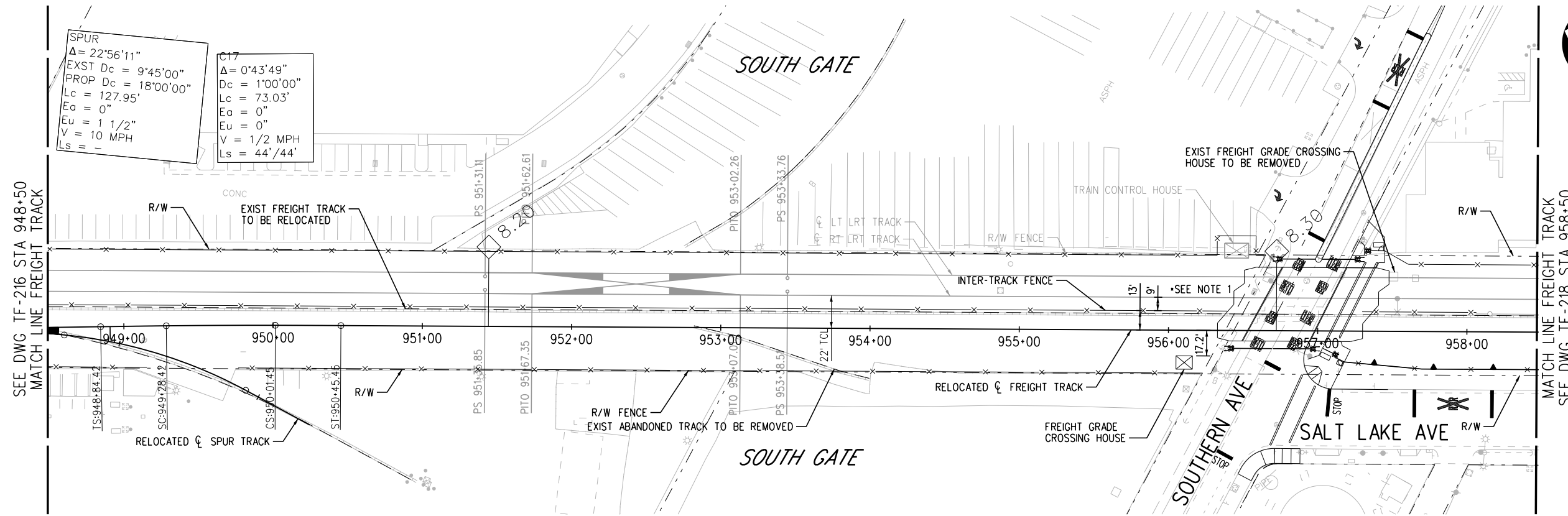
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<p><b>SCALE</b></p>	<p><b>HORIZ: 1"=40'</b> <b>VERT: 1"=10'</b></p>
<p><b>SHEET NO.</b></p>	<p><b>41 OF 96</b></p>

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT SAN PEDRO BRANCH**  
**PLAN & PROFILE**  
**STA 939+50 TO STA 948+50**

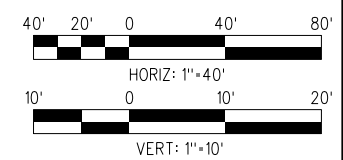
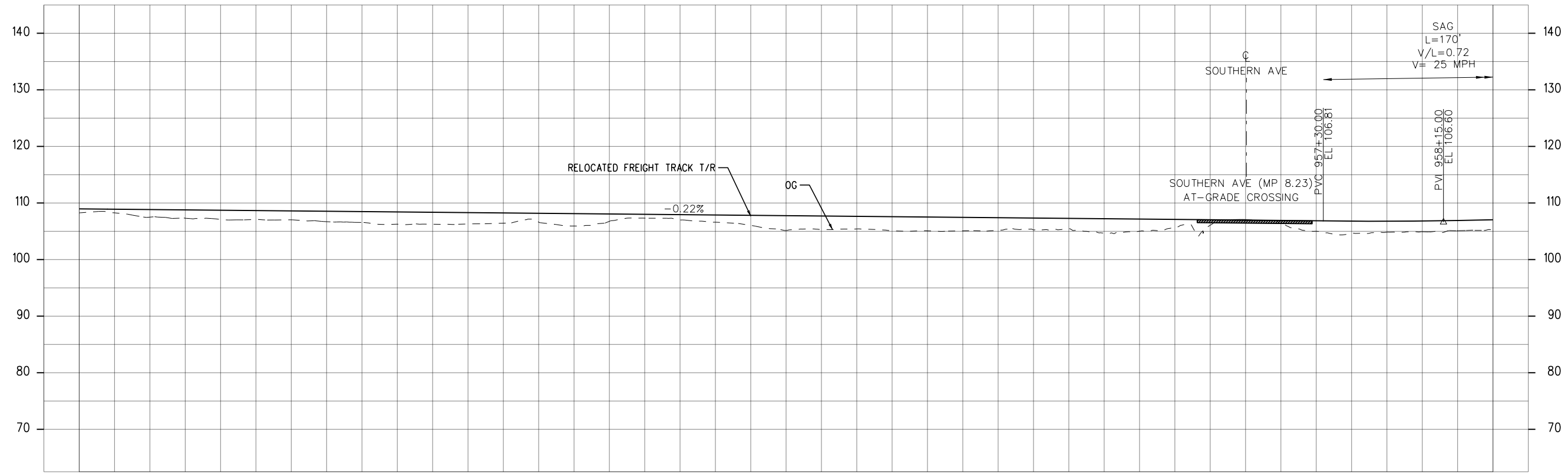
**NOT FOR CONSTRUCTION**



**NOTE:**  
1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.



PLAN



15-DEC-2023 E-28091ATF217.plg

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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.	
1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY JS
DRAWN BY HX
CHECKED BY JSP
IN CHARGE RL
DATE 3/17/2023

**Metro**  
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
CONTRACT NO. AE5999300

**FREIGHT SAN PEDRO BRANCH PLAN & PROFILE**  
STA 948+50 TO STA 958+50

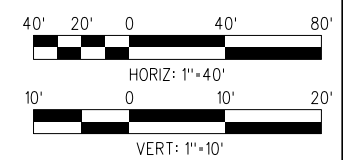
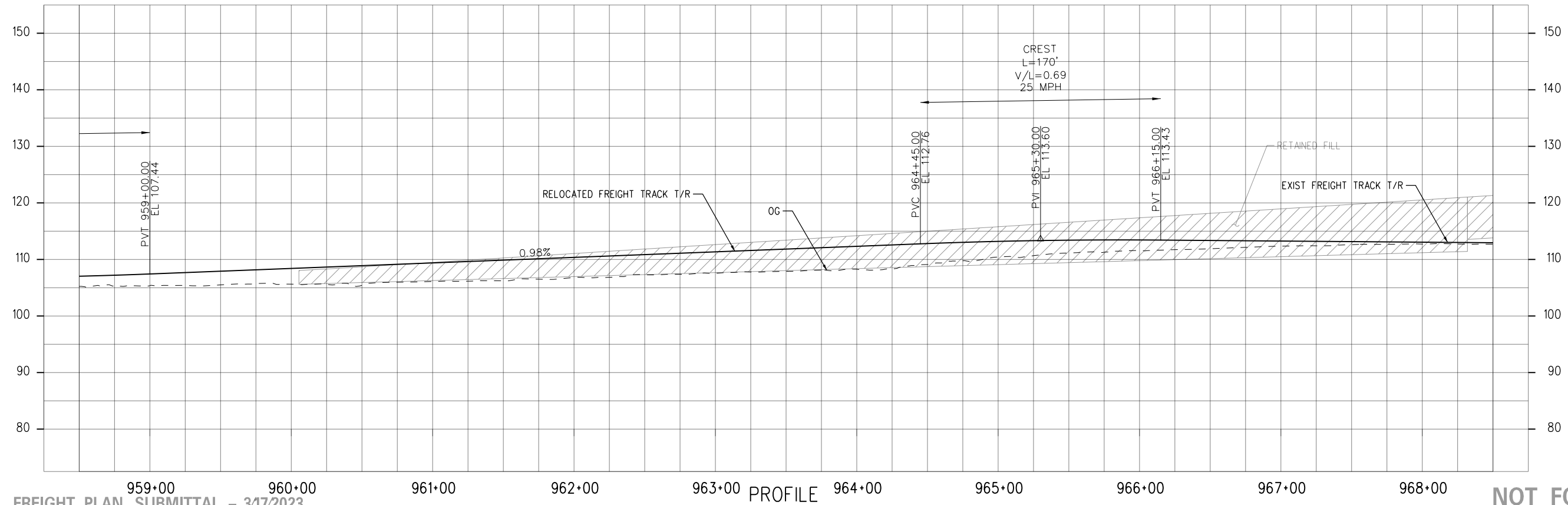
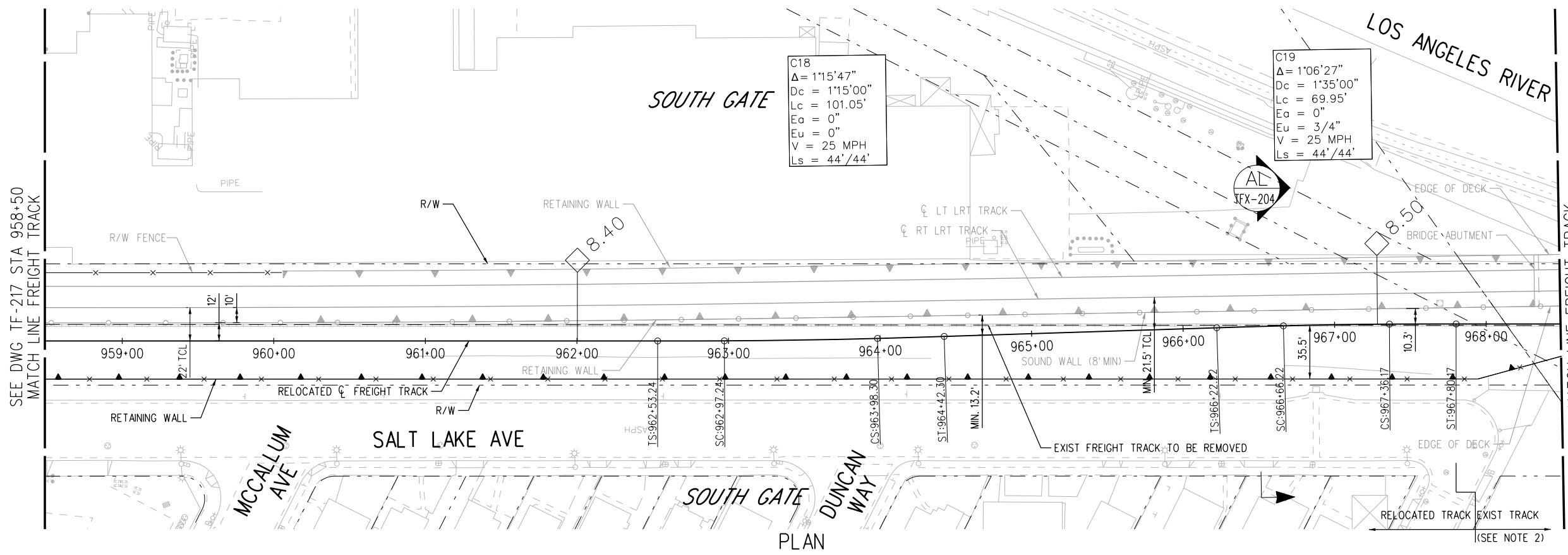
DRAWING NO. TF-217  
SCALE: HORIZ: 1"=40'  
VERT: 1"=10'

SHEET NO. 42 OF 96

**NOT FOR CONSTRUCTION**



- NOTES:**
1. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.
  2. EXISTING TRACK WILL BE LINE AND SURFACE 200' BEYOND THE END OF NEW CONSTRUCTION.



15-DEC-2023 E-28091ATF218.plg

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

1	3/17/2023	FINAL FREIGHT PLAN SUBMITTAL
---	-----------	------------------------------

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**Metro**

515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**

**FREIGHT SAN PEDRO BRANCH PLAN & PROFILE**

STA 958+50 TO STA 968+50

CONTRACT NO. AE5999300

DRAWING NO. TF-218

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

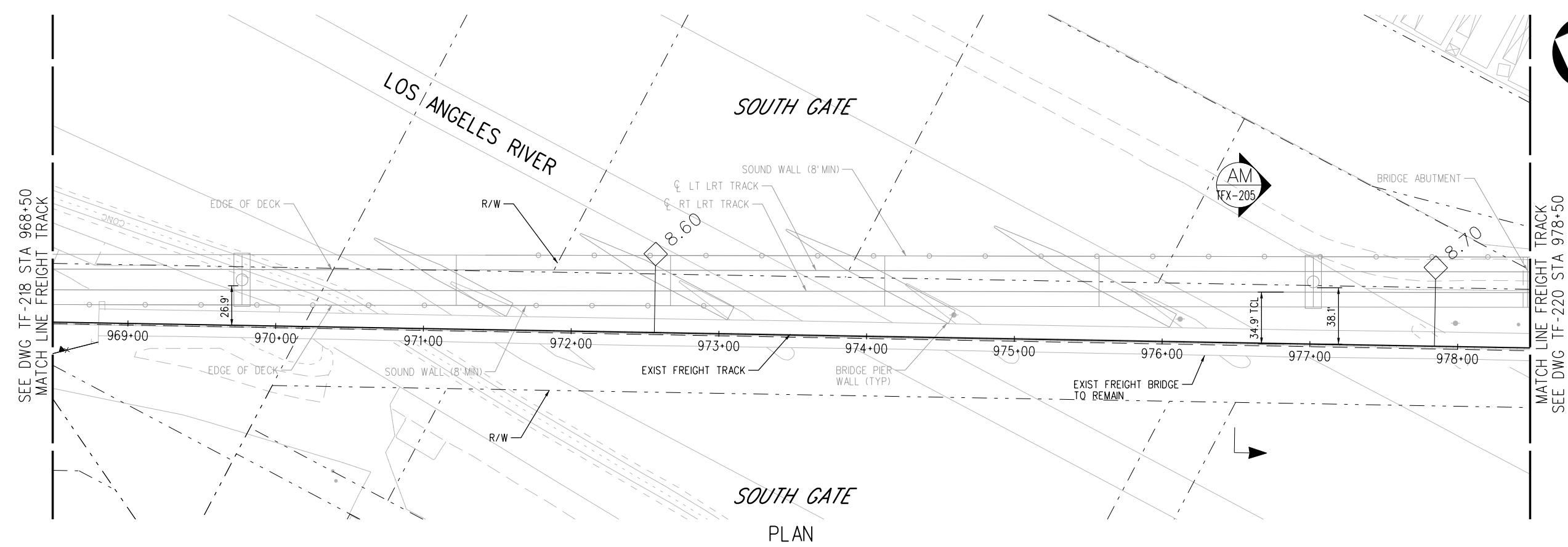
SHEET NO. 43 OF 96

**NOT FOR CONSTRUCTION**

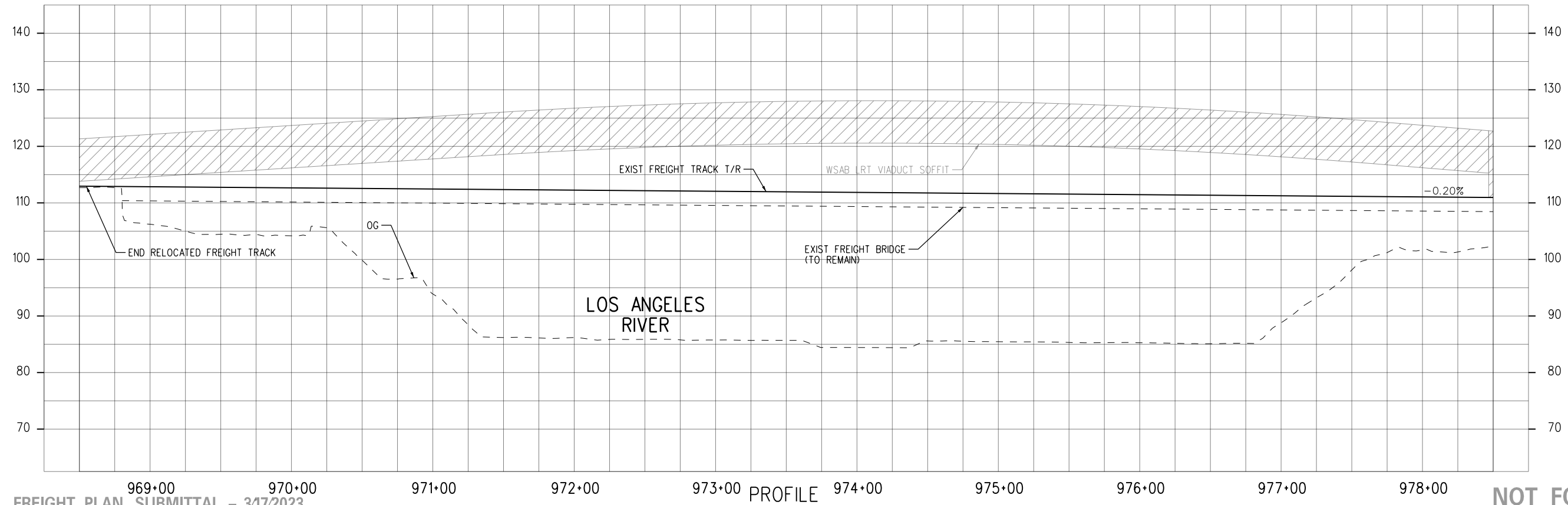




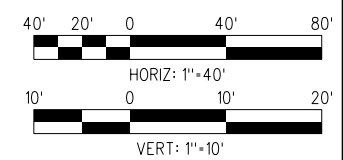
**NOTE:**  
1. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.



PLAN





PROFILE




**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF219.plt  
wspw14-pw-svc 02:54  
Plot Driver=MTA-half.pen

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

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 JS	 <b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>   515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	CONTRACT NO. <b>AE5999300</b>	
		DRAWN BY HX		DRAWING NO. <b>TF-219</b>	REV
		CHECKED BY JSP		SCALE HOR: 1"=40' VERT: 1"=10'	
		IN CHARGE RL		SHEET NO. 44 OF 96	
1	3/17/2023	DATE 3/17/2023		WEST SANTA ANA BRANCH FREIGHT TRACK SAN PEDRO BRANCH PLAN & PROFILE STA 968+50 TO STA 978+50	

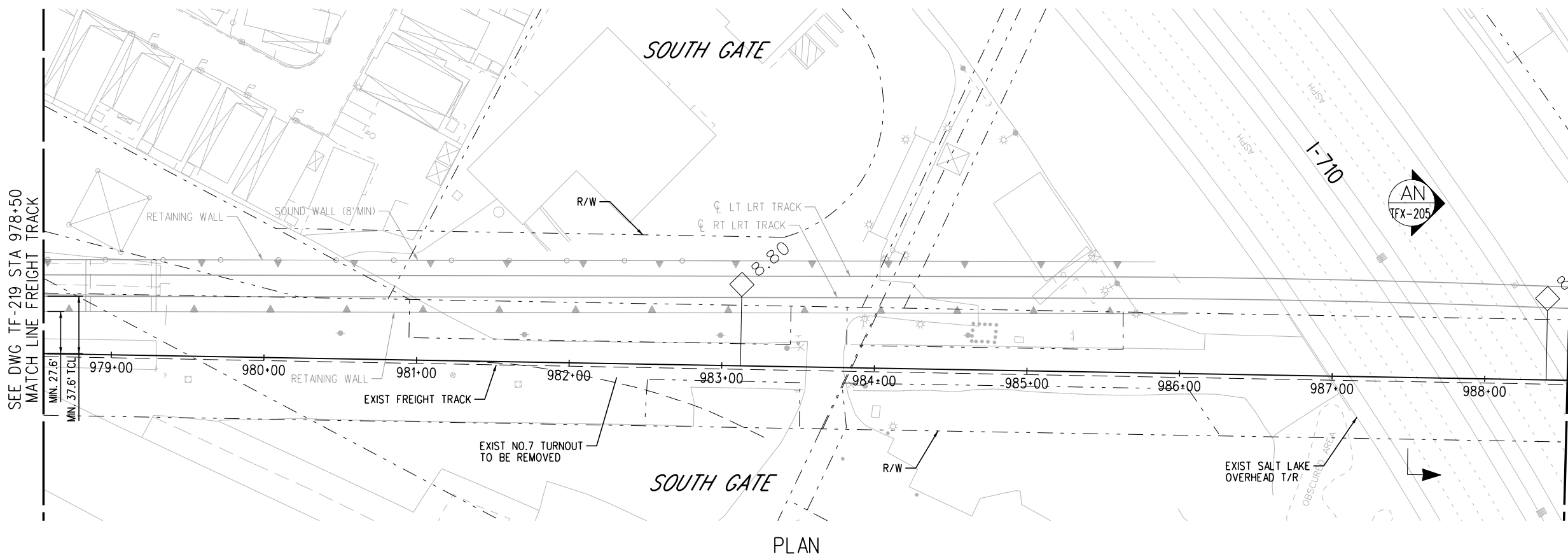
FINAL FREIGHT PLAN SUBMITTAL
------------------------------

 <b>Metro</b>   515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	SUBMITTED _____  APPROVED _____
---	---------------------------------------

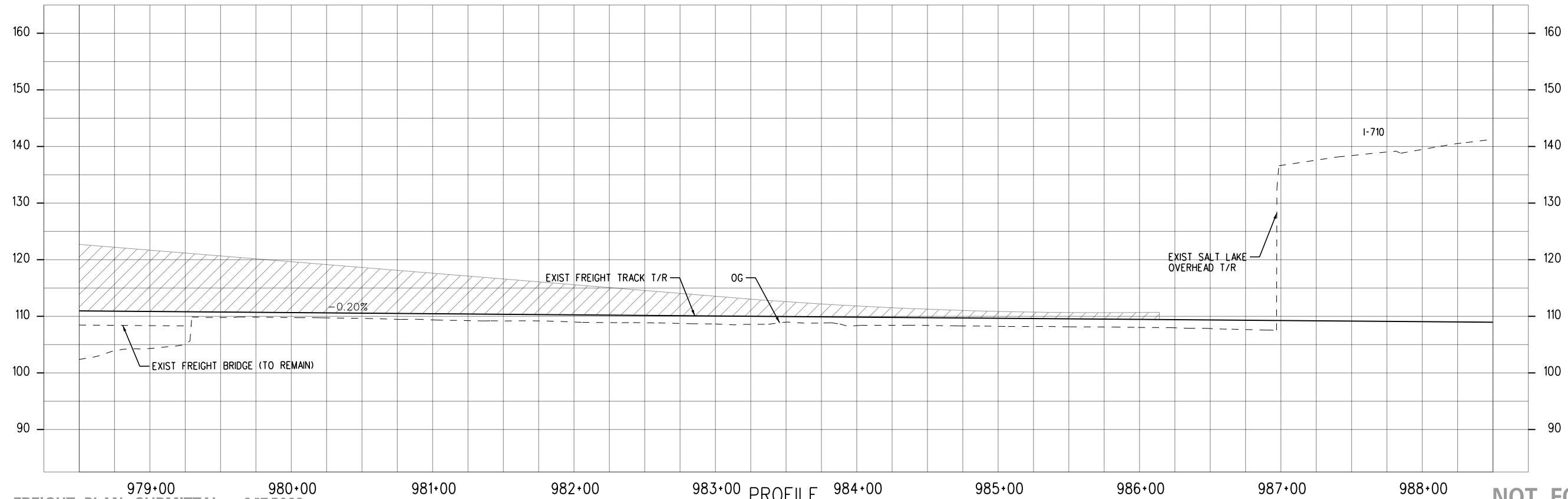
WEST SANTA ANA BRANCH FREIGHT TRACK		CONTRACT NO. <b>AE5999300</b>
SAN PEDRO BRANCH PLAN & PROFILE STA 968+50 TO STA 978+50		DRAWING NO. <b>TF-219</b>
		SCALE HOR: 1"=40' VERT: 1"=10'
		SHEET NO. 44 OF 96



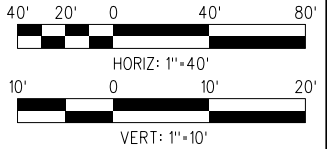
**NOTE:**  
1. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF220.plg  
wspw14-pw-svc 02:54

FINAL FREIGHT PLAN SUBMITTAL - 317/2023

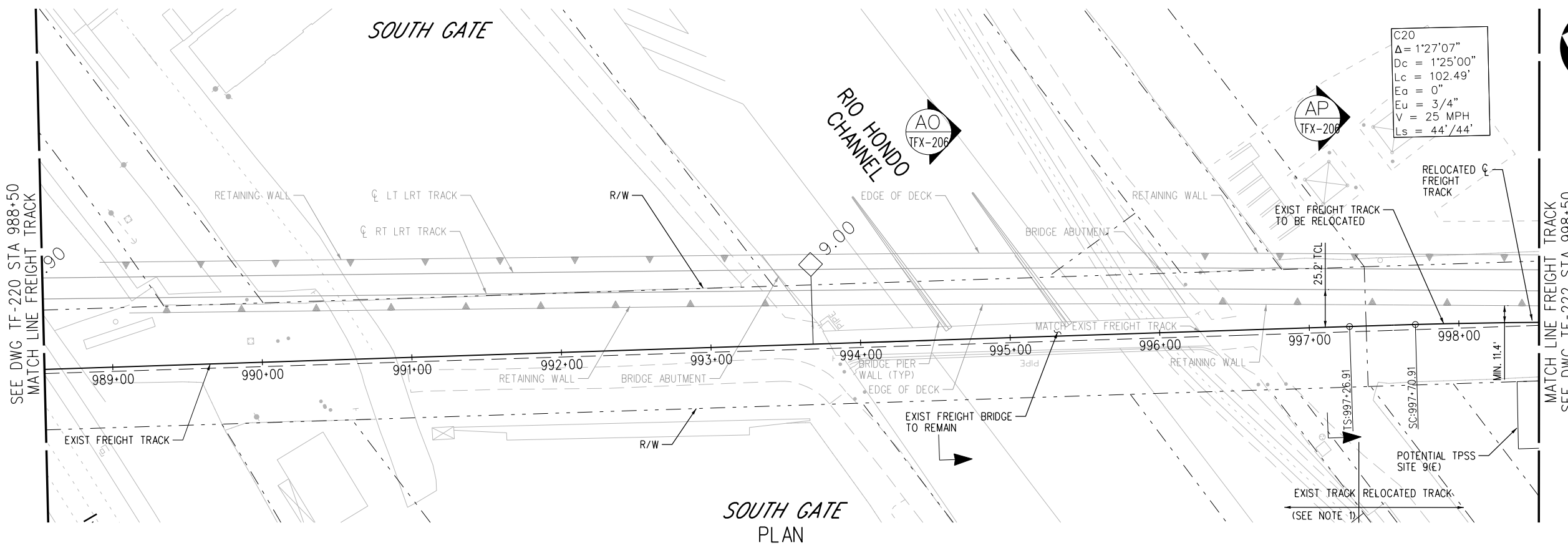
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY JS	  515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	CONTRACT NO. AE5999300
		DRAWN BY HX		DRAWING NO. TF-220
		CHECKED BY JSP		SCALE HOR: 1"=40' VERT: 1"=10'
		IN CHARGE RL		SHEET NO. 45 OF 96
1	3/17/2023	DATE 3/17/2023		

FINAL FREIGHT PLAN SUBMITTAL
------------------------------

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**  
 SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

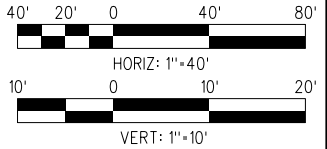
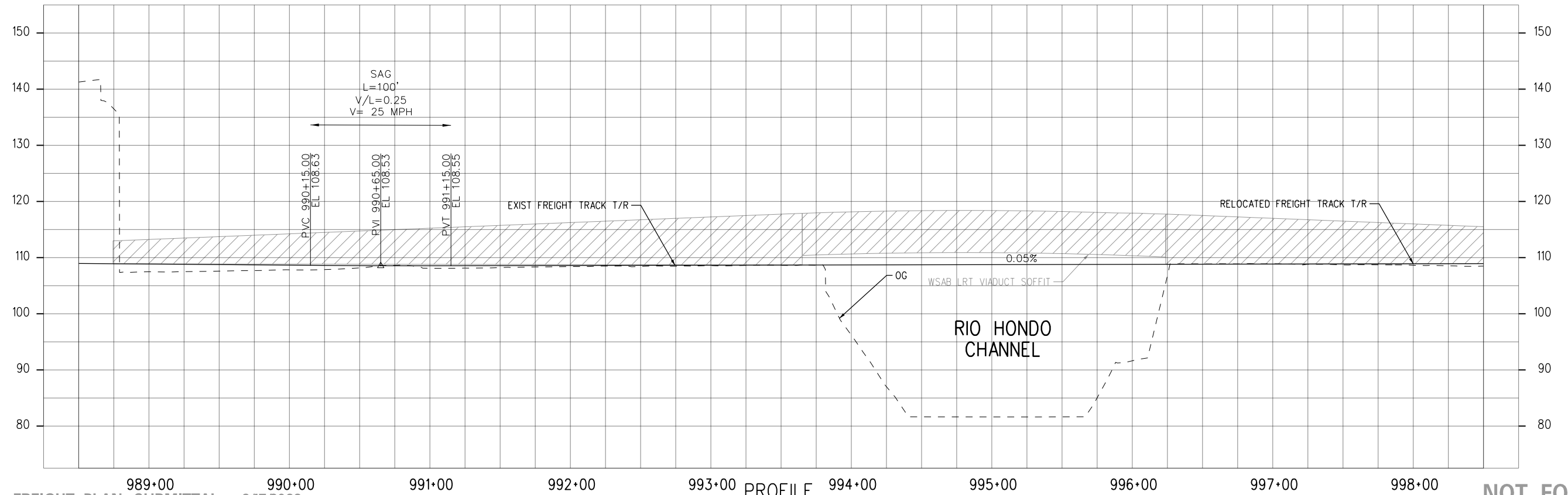
**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT SAN PEDRO BRANCH**  
**PLAN & PROFILE**  
**STA 978+50 TO STA 988+50**

15-DEC-2023 E-28091ATF221.plg  
wspw14-pw-svc 02:54



**NOTES:**  
 1. EXISTING TRACK WILL BE LINE AND SURFACE 200' BEYOND THE END OF NEW CONSTRUCTION.  
 2. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.

SOUTH GATE PLAN



FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

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 TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY JS
		DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
1	3/17/2023	DATE 3/17/2023
		FINAL FREIGHT PLAN SUBMITTAL

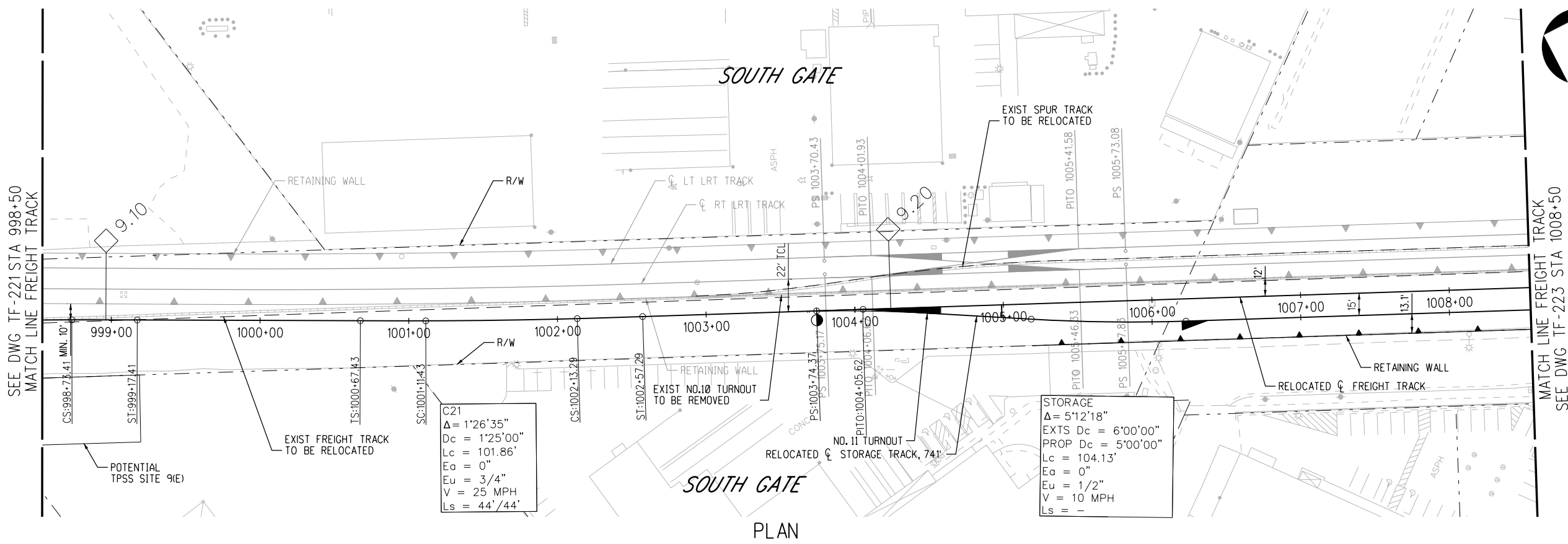

**Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH FREIGHT TRACK  
 FREIGHT  
 SAN PEDRO BRANCH  
 PLAN & PROFILE  
 STA 988+50 TO STA 998+50

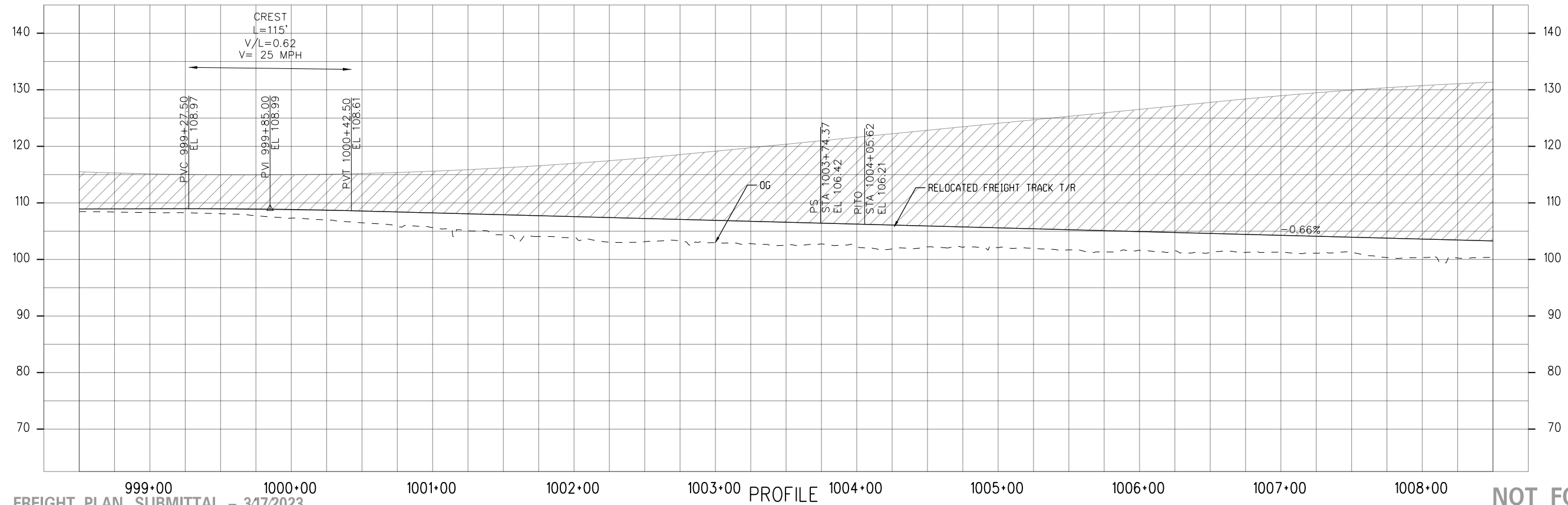
CONTRACT NO. AE5999300  
 DRAWING NO. TF-221  
 SCALE: HORIZ: 1"=40'  
 VERT: 1"=10'  
 SHEET NO. 46 OF 96



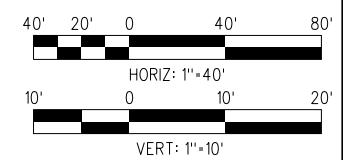
C21  
 $\Delta = 1'26'35"$   
 $D_c = 1'25'00"$   
 $L_c = 101.86'$   
 $E_a = 0"$   
 $E_u = 3/4"$   
 $V = 25 \text{ MPH}$   
 $L_s = 44'44"$

STORAGE  
 $\Delta = 5'12'18"$   
 $\text{EXTS } D_c = 6'00'00"$   
 $\text{PROP } D_c = 5'00'00"$   
 $L_c = 104.13'$   
 $E_a = 0"$   
 $E_u = 1/2"$   
 $V = 10 \text{ MPH}$   
 $L_s = -$

PLAN



PROFILE



NOT FOR CONSTRUCTION

15-DEC-2023 E-28091ATF222.plg

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

1	3/17/2023	FINAL FREIGHT PLAN SUBMITTAL
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**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

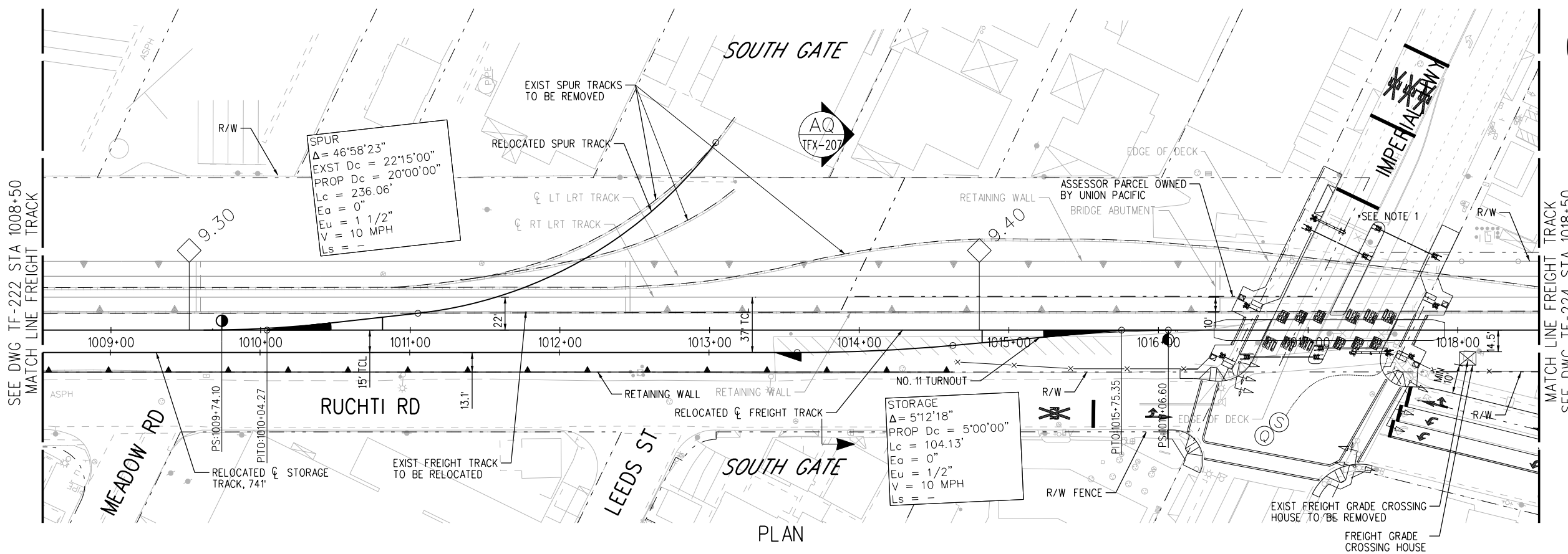
APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH FREIGHT TRACK  
 FREIGHT  
 SAN PEDRO BRANCH  
 PLAN & PROFILE  
 STA 998+50 TO STA 1008+50

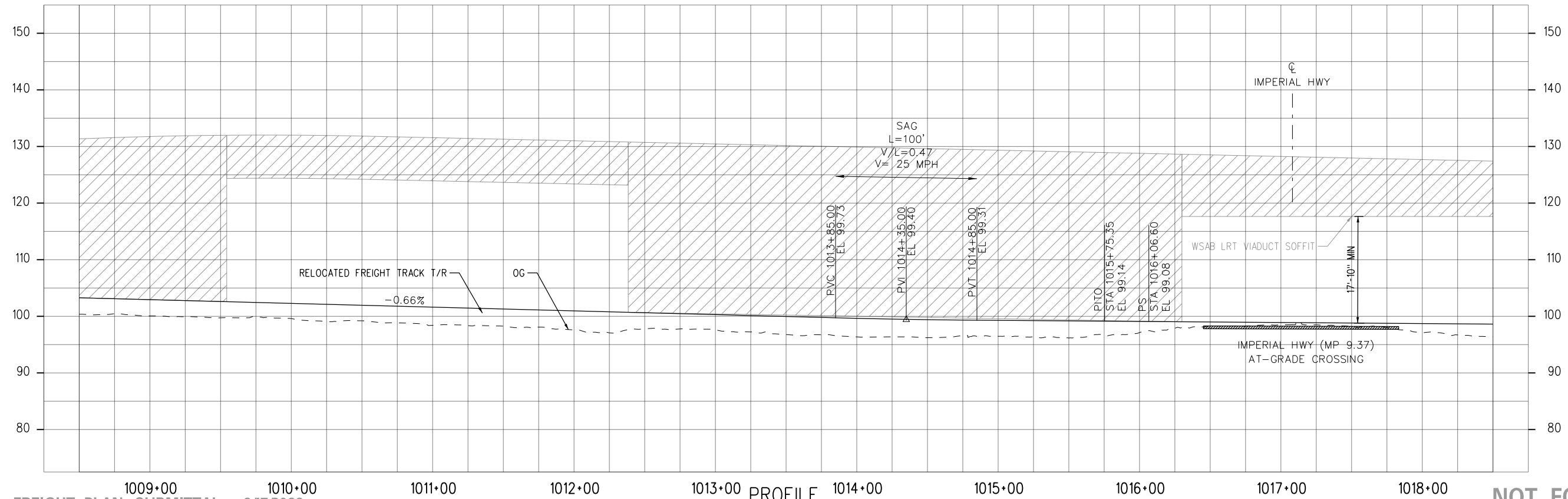
CONTRACT NO. AE5999300  
 DRAWING NO. TF-222  
 SCALE: HORIZ: 1"=40' VERT: 1"=10'  
 SHEET NO. 47 OF 96



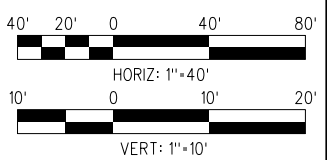
- NOTES:**
1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.
  2. SPUR TRACK TO BE ADVANCED IN FUTURE SUBMITTAL.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

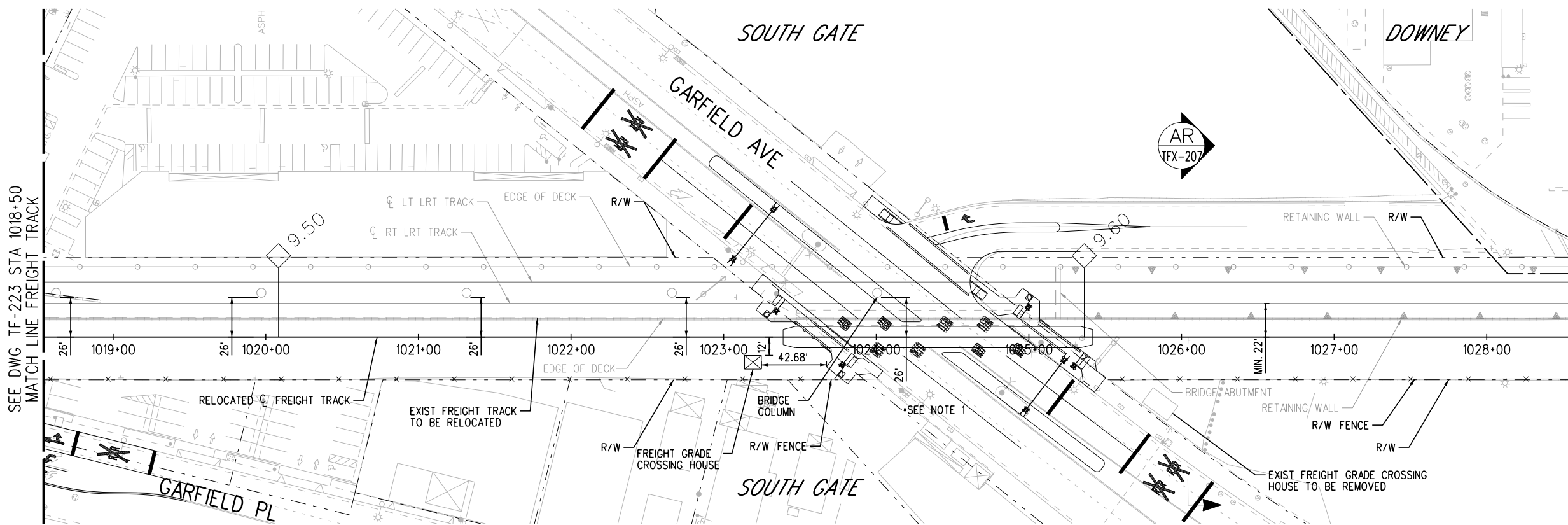
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FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

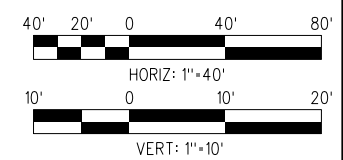
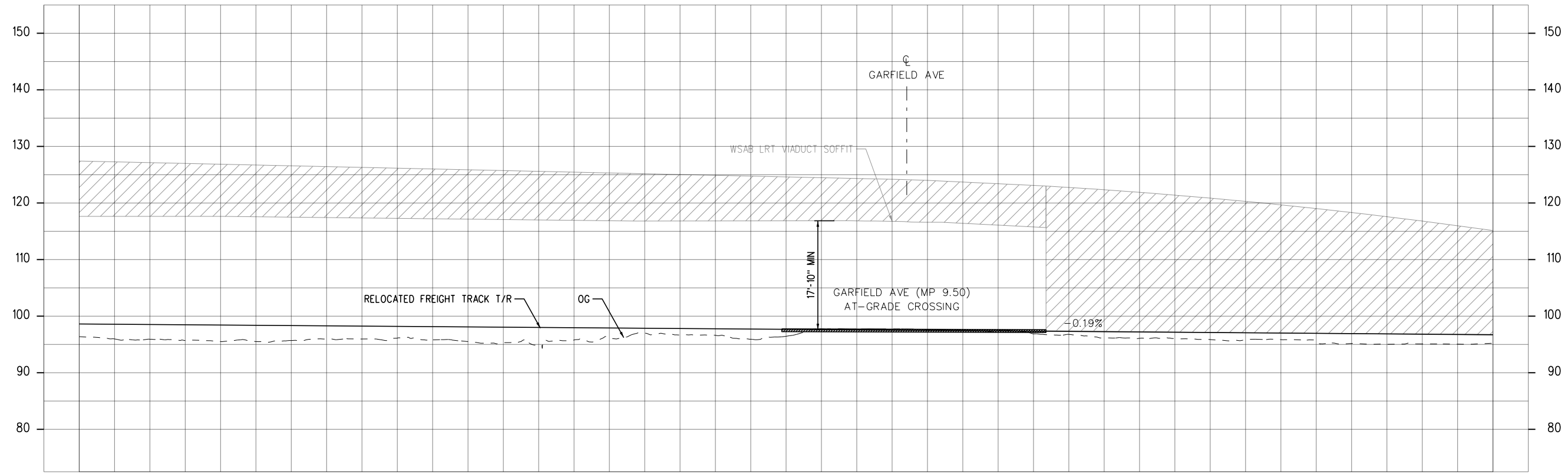
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY JS
		DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
		DATE 3/17/2023
1	3/17/2023	FINAL FREIGHT PLAN SUBMITTAL

 <b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>		 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071
		SUBMITTED _____ APPROVED _____

<b>WEST SANTA ANA BRANCH FREIGHT TRACK</b> <b>FREIGHT SAN PEDRO BRANCH</b> <b>PLAN &amp; PROFILE</b> <b>STA 1008+50 TO STA 1018+50</b>		CONTRACT NO <b>AE5999300</b>
DRAWING NO <b>TF-223</b>		REV
SCALE HORIZ: 1"=40' VERT: 1"=10'		
SHEET NO 48 OF 96		



**NOTE:**  
1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.



15-DEC-2023 E-28091ATF224.plg  
wspw14-pw-svc 02:54

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

**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 JS
		DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
		DATE 3/17/2023
1	3/17/2023	FINAL FREIGHT PLAN SUBMITTAL


**M Metro**  
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

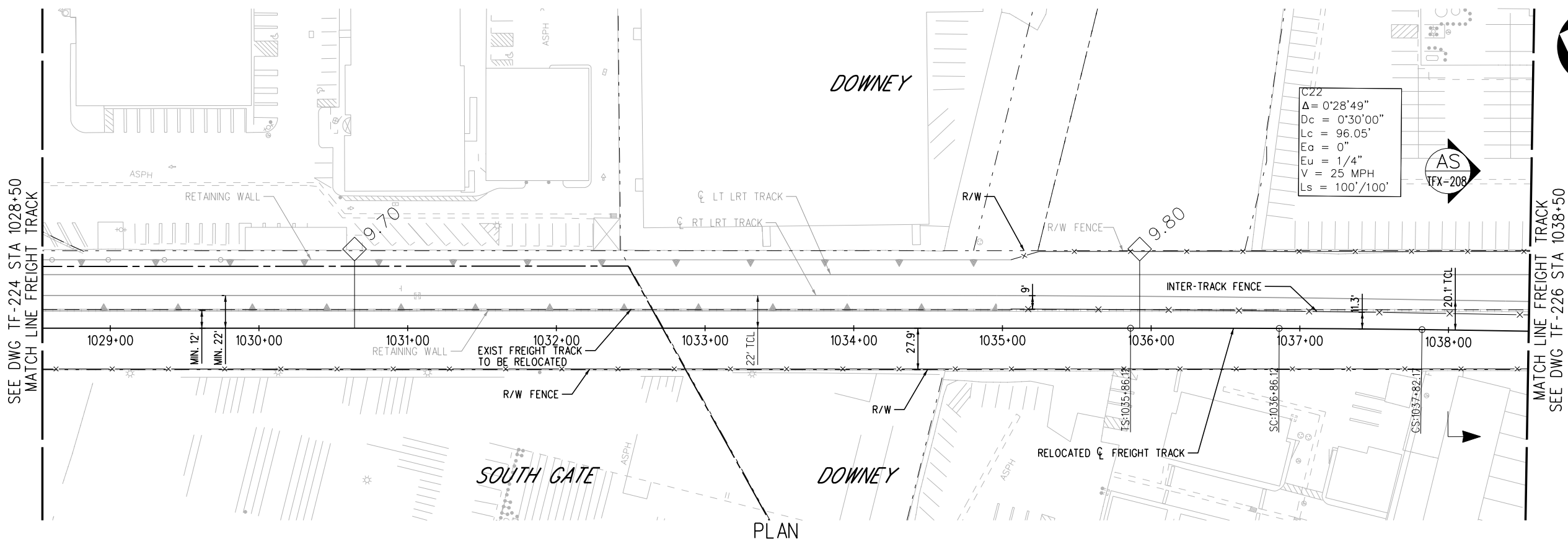
SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
CONTRACT NO. AE5999300

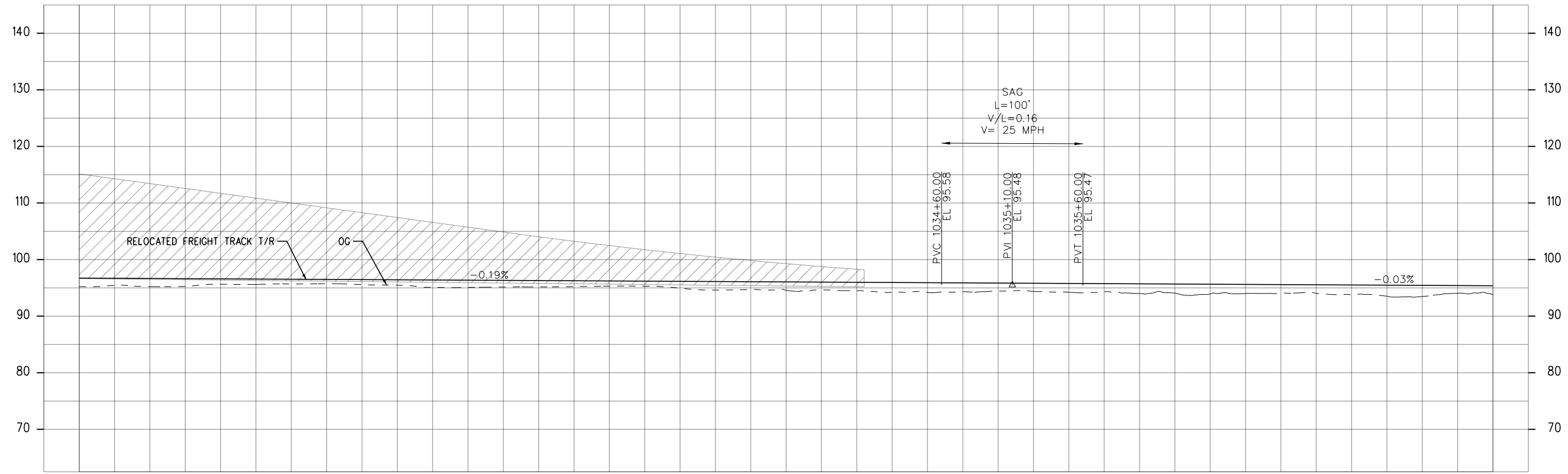
**FREIGHT SAN PEDRO BRANCH**  
DRAWING NO. TF-224

**PLAN & PROFILE**  
SCALE: HORIZ: 1"=40'  
VERT: 1"=10'

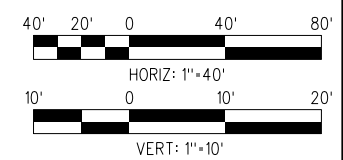
**STA 1018+50 TO STA 1028+50**  
SHEET NO. 49 OF 96



PLAN



PROFILE



NOT FOR CONSTRUCTION

15-DEC-2023 E-28091ATF225.plg

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

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 JS
1	3/17/2023	DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
		DATE 3/17/2023
		FINAL FREIGHT PLAN SUBMITTAL



LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY

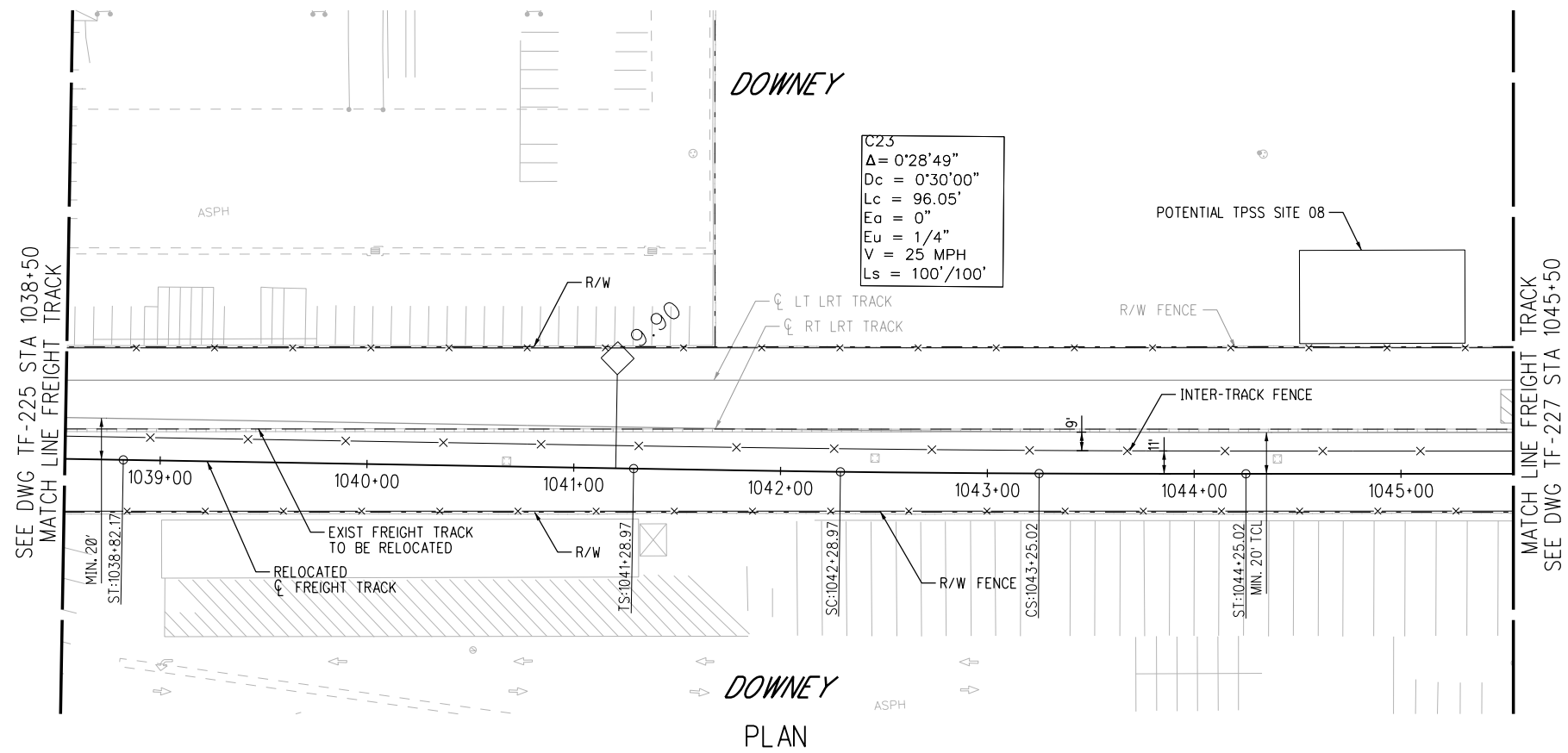
**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

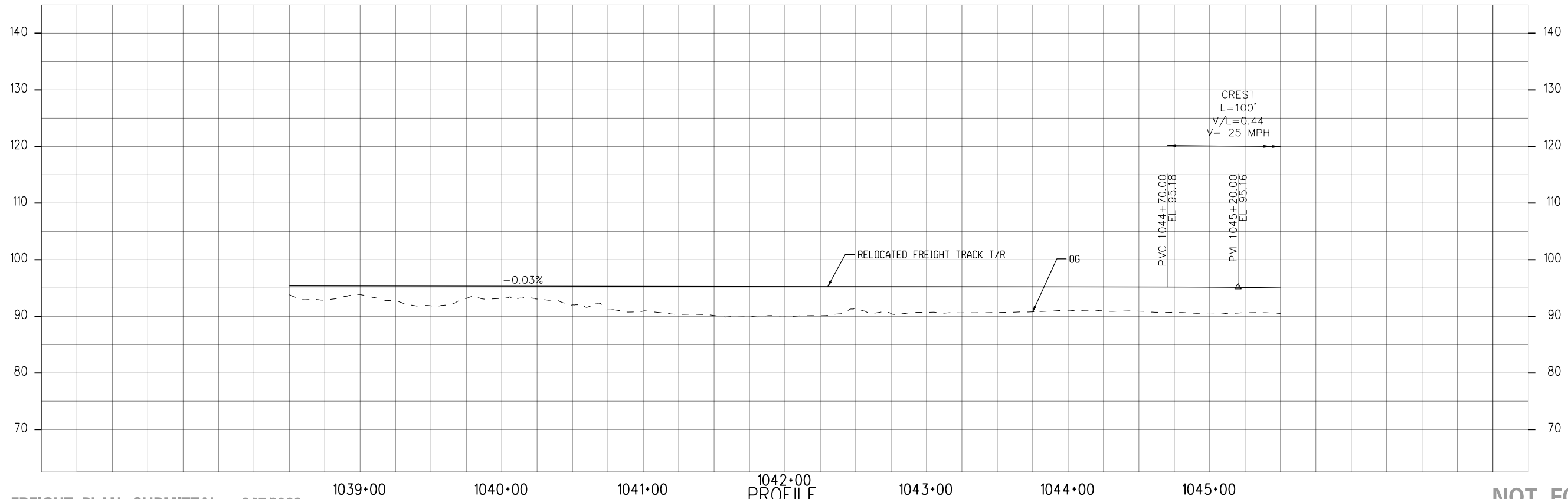
WEST SANTA ANA BRANCH FREIGHT TRACK

FREIGHT  
SAN PEDRO BRANCH  
PLAN & PROFILE  
STA 1028+50 TO STA 1038+50

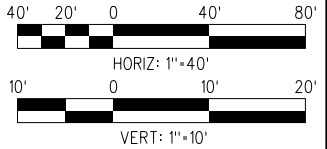
CONTRACT NO AE5999300	
DRAWING NO TF-225	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO 50	OF 96



PLAN



PROFILE



15-DEC-2023 E-28091ATF226.plg  
wspw14-pw-svc 02:54

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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.	
1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY JS
DRAWN BY HX
CHECKED BY JSP
IN CHARGE RL
DATE 3/17/2023

**M Metro**  
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

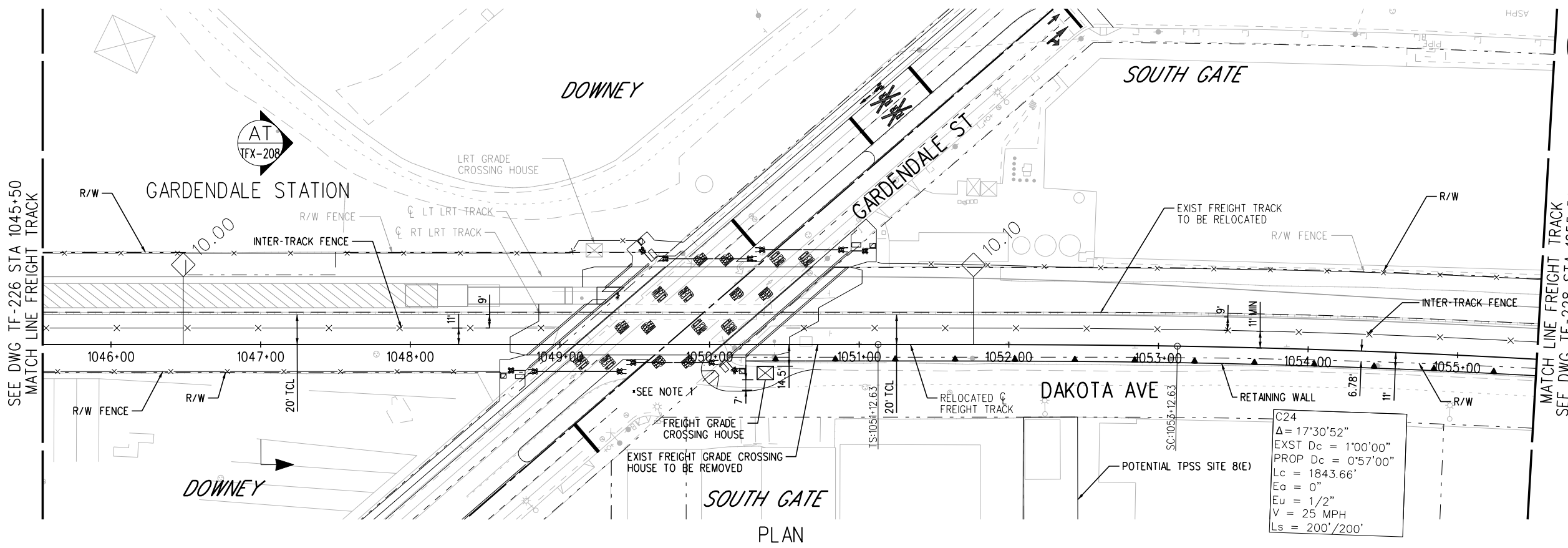
SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT**  
**SAN PEDRO BRANCH**  
**PLAN & PROFILE**  
**STA 1038+50 TO STA 1045+50**

CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>TF-226</b>	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 51	OF 96

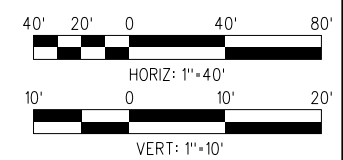
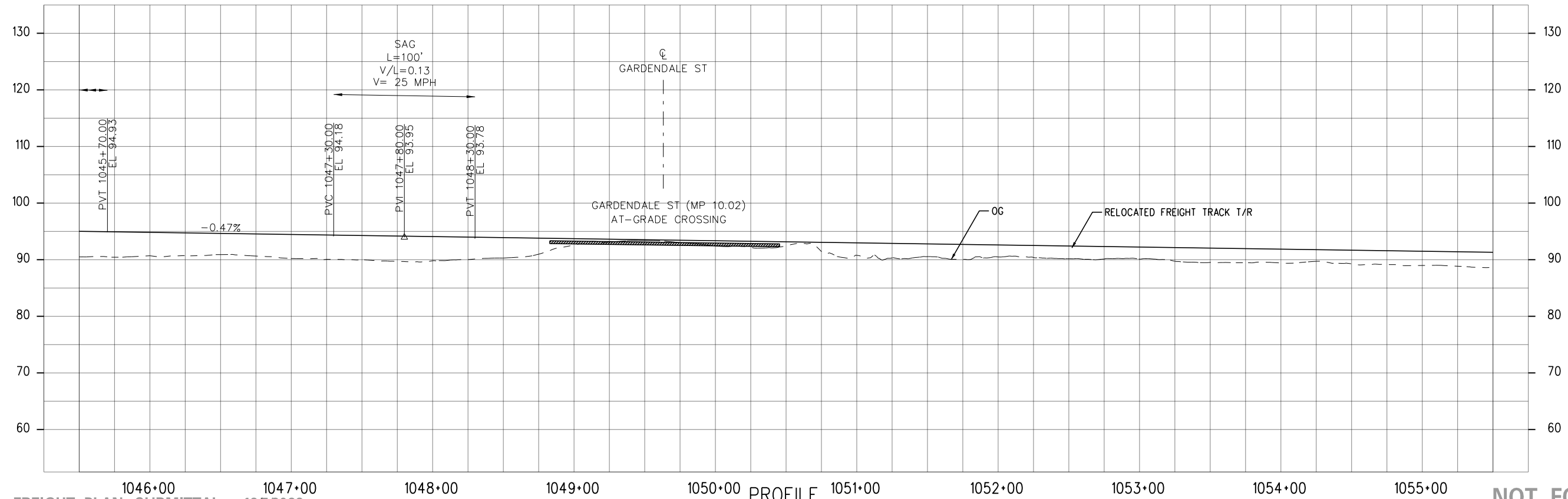




- NOTES:**
1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.
  2. DAKOTA AVE WILL BE SOUTHBOUND ONLY. REFER TO LRT PLANS FOR DETAILS.

C24  
 $\Delta = 17'30'52''$   
 EXST Dc = 1'00'00"  
 PROP Dc = 0'57'00"  
 Lc = 1843.66'  
 Eo = 0"  
 Eu = 1/2"  
 V = 25 MPH  
 Ls = 200'/200'

PLAN



FINAL FREIGHT PLAN SUBMITTAL - 12/7/2023

**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF227.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 TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY JS
		DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
		DATE 12/7/2023
2	12/7/2023	FINAL FREIGHT PLAN SUBMITTAL

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

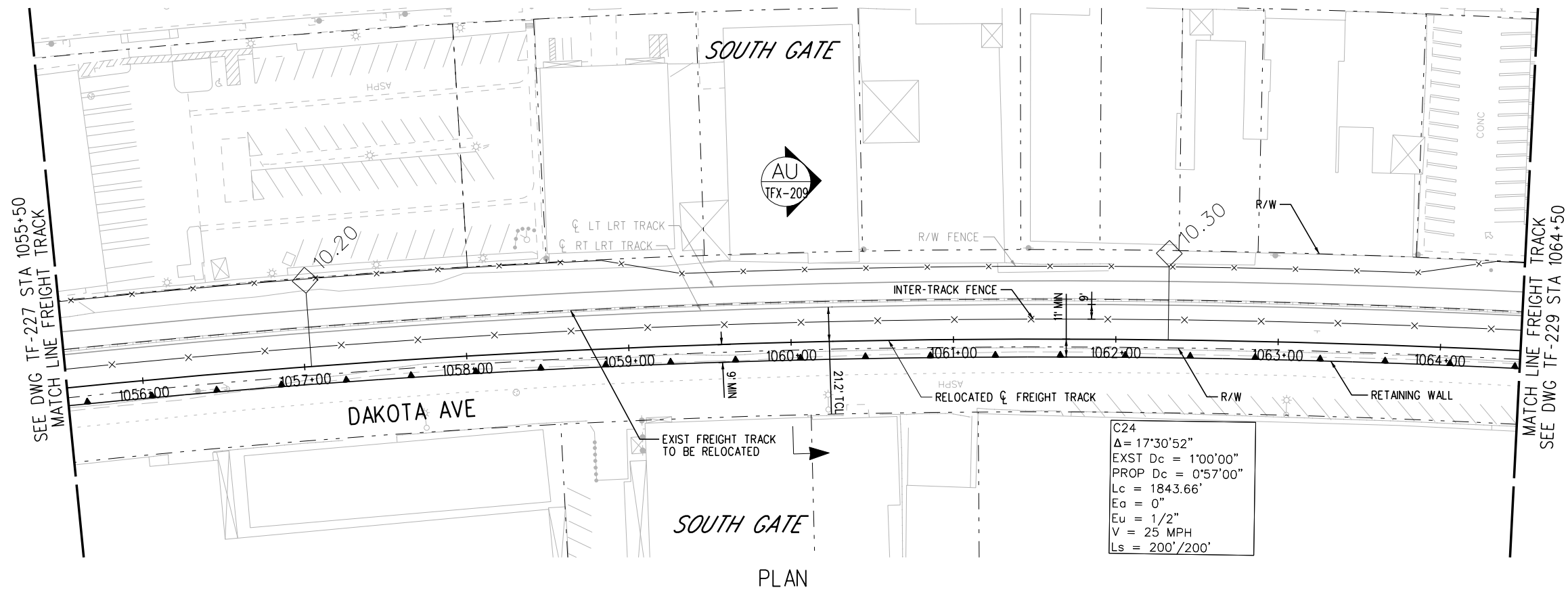
WEST SANTA ANA BRANCH FREIGHT TRACK  
 SAN PEDRO BRANCH  
 FREIGHT PLAN & PROFILE  
 STA 1045+50 TO STA 1055+50

CONTRACT NO. AE5999300

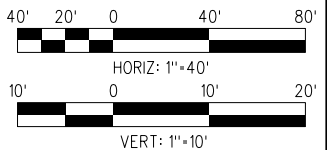
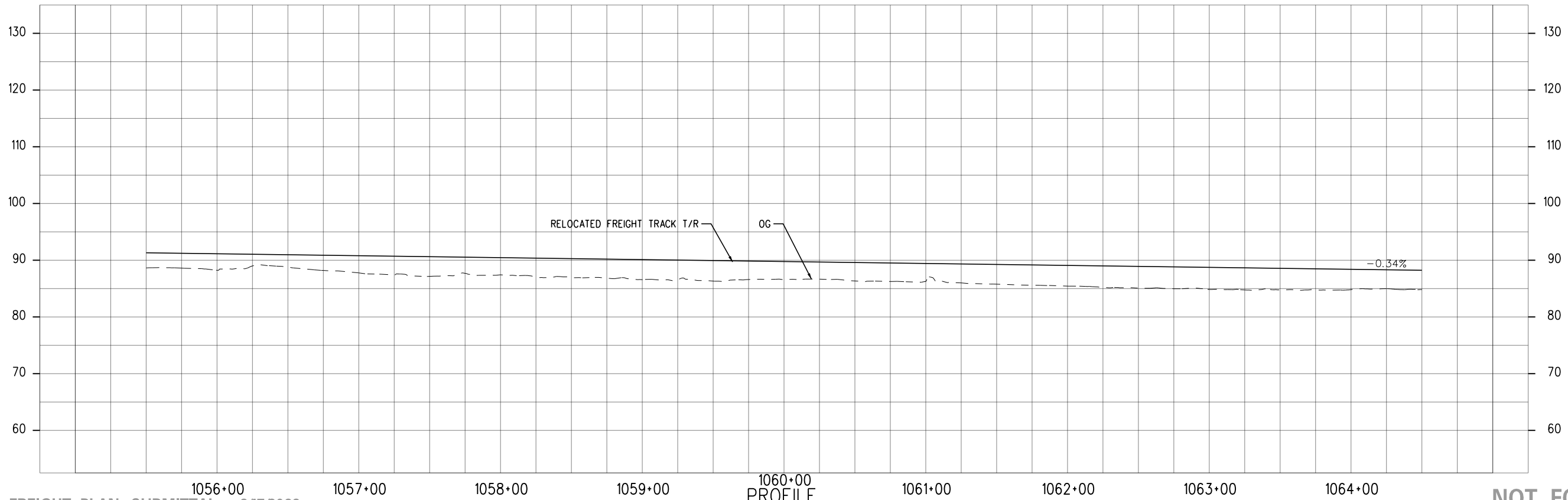
DRAWING NO. TF-227

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

SHEET NO. 52 OF 96



PLAN



**NOT FOR CONSTRUCTION**

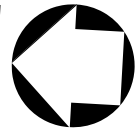
15-DEC-2023 E-28091ATF228.plg  
wspw14-pw-svc 02:55

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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 JS	<table border="1"> <tr> <td>1</td> <td>3/17/2023</td> <td>FINAL FREIGHT PLAN SUBMITTAL</td> </tr> </table>	1	3/17/2023	FINAL FREIGHT PLAN SUBMITTAL
1	3/17/2023	FINAL FREIGHT PLAN SUBMITTAL				
		DRAWN BY HX				
		CHECKED BY JSP				
		IN CHARGE RL				
		DATE 3/17/2023				

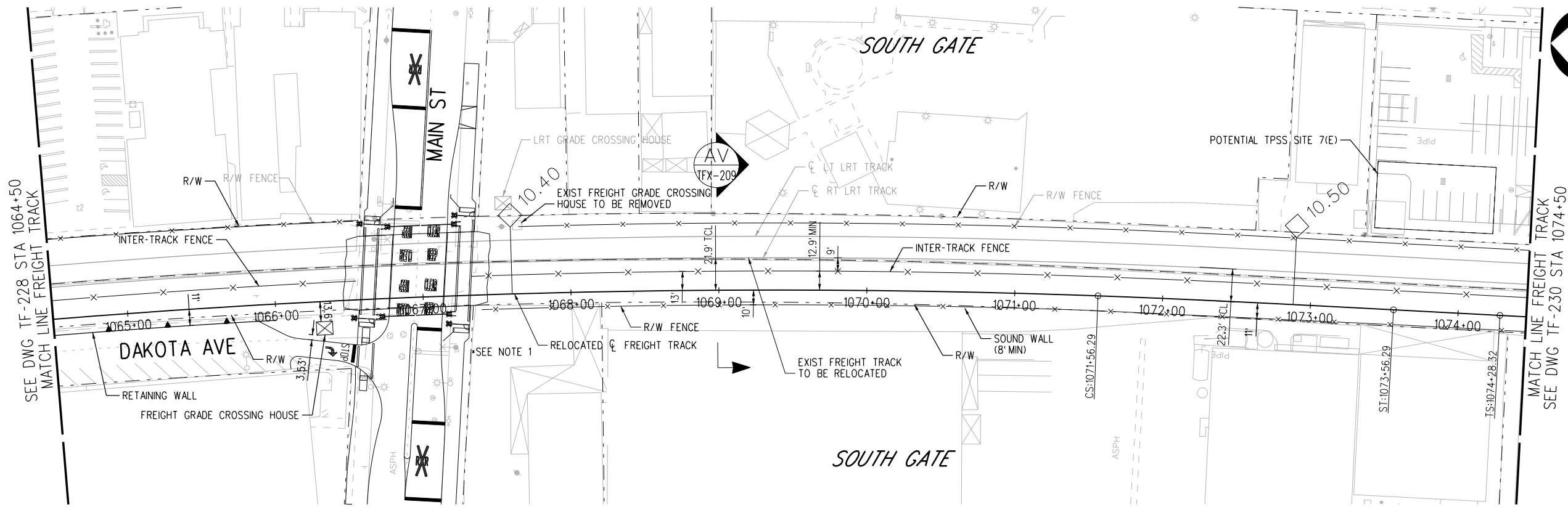
<b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>	
515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	SUBMITTED _____  APPROVED _____

<b>WEST SANTA ANA BRANCH FREIGHT TRACK</b> <b>FREIGHT SAN PEDRO BRANCH</b> <b>PLAN &amp; PROFILE</b> STA 1055+50 TO STA 1064+50		CONTRACT NO. <b>AE5999300</b>
DRAWING NO. <b>TF-228</b>		REV
SCALE HORIZ: 1"=40' VERT: 1"=10'		SHEET NO. 53 OF 96

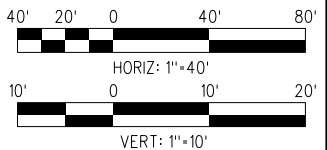
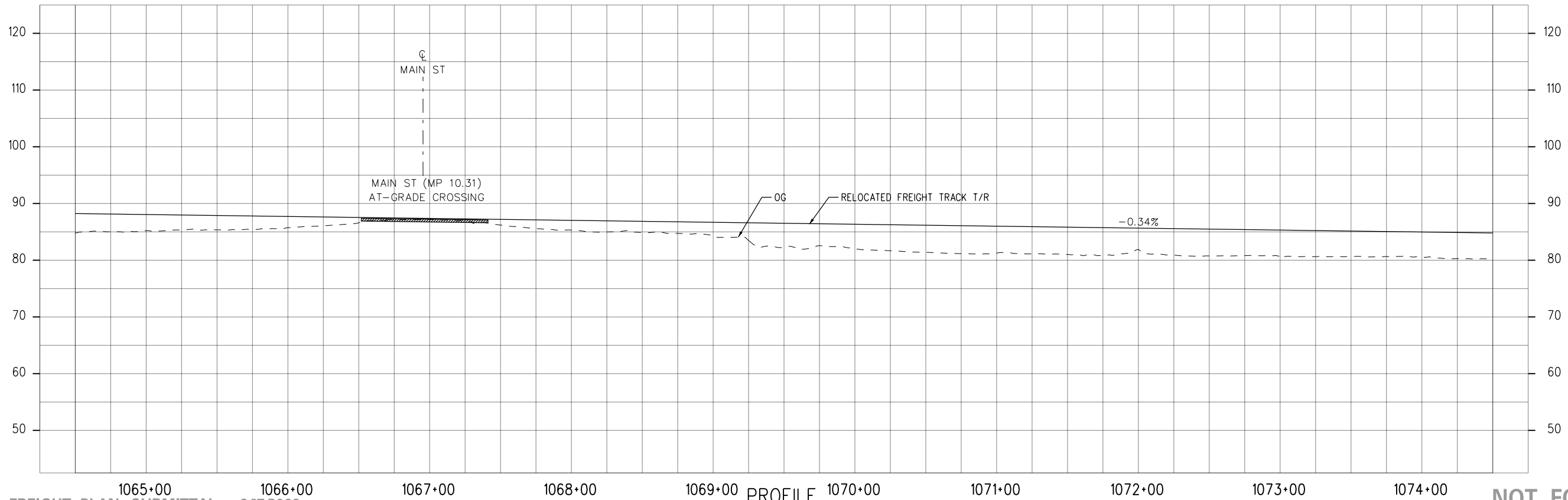


**NOTES:**

- 1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.
- 2. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.



PLAN



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF229.plg  
wspw14-pw-svc 02:56

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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.	
1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023

**M Metro**  
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

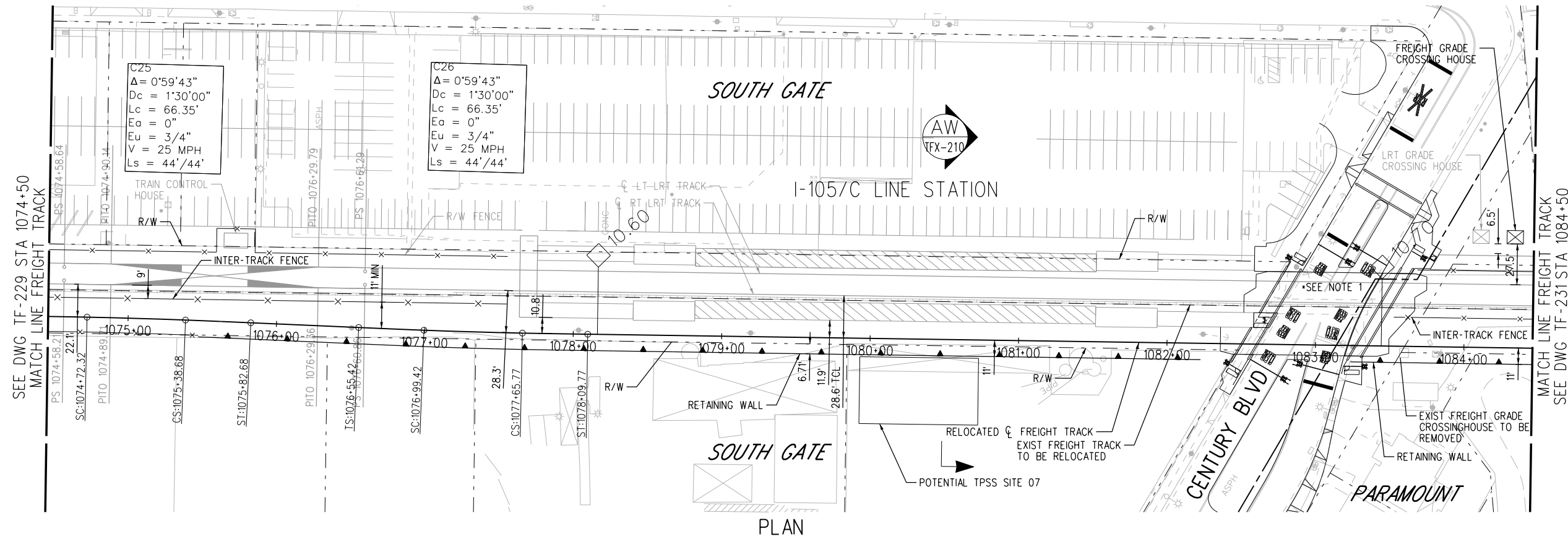
**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT SAN PEDRO BRANCH PLAN & PROFILE**  
STA 1064+50 TO STA 1074+50

CONTRACT NO. **AE5999300**  
DRAWING NO. **TF-229**  
SCALE: **HOR: 1"=40' VERT: 1"=10'**  
SHEET NO. **54 OF 96**

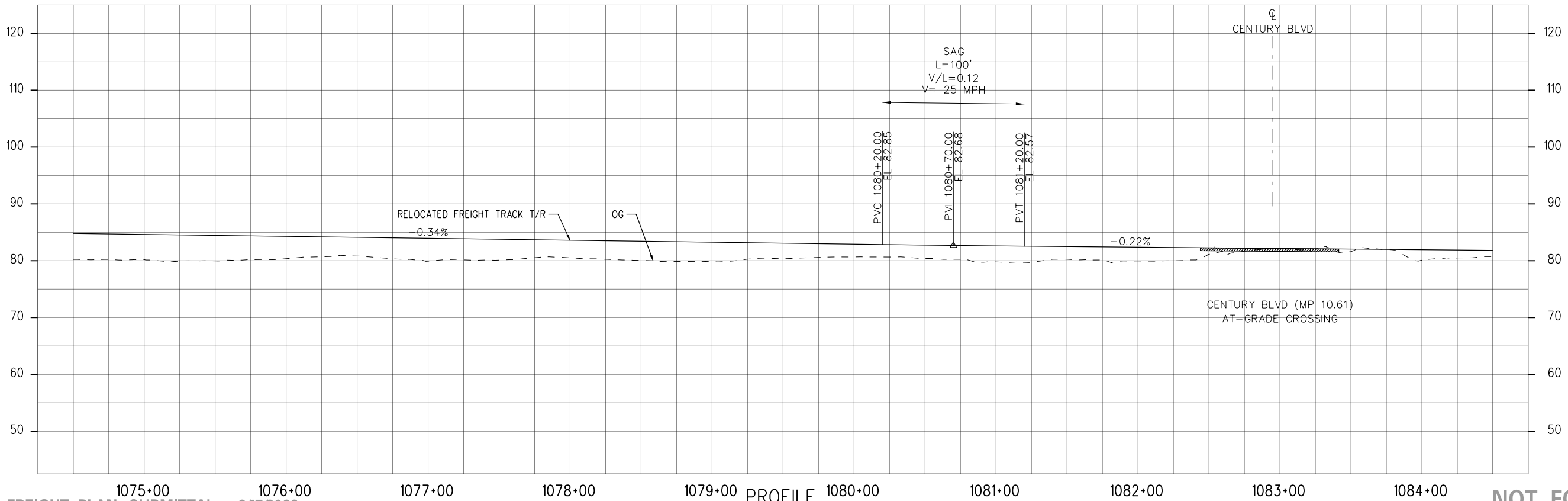


NOTE:

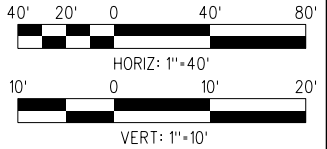
1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.



PLAN



PROFILE



NOT FOR CONSTRUCTION

15-DEC-2023 E-28091ATF230.plg  
wspw14\_pw-svc 02:54

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

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.	
1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023

**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

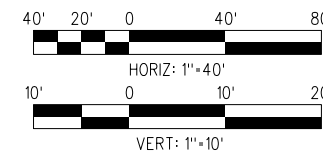
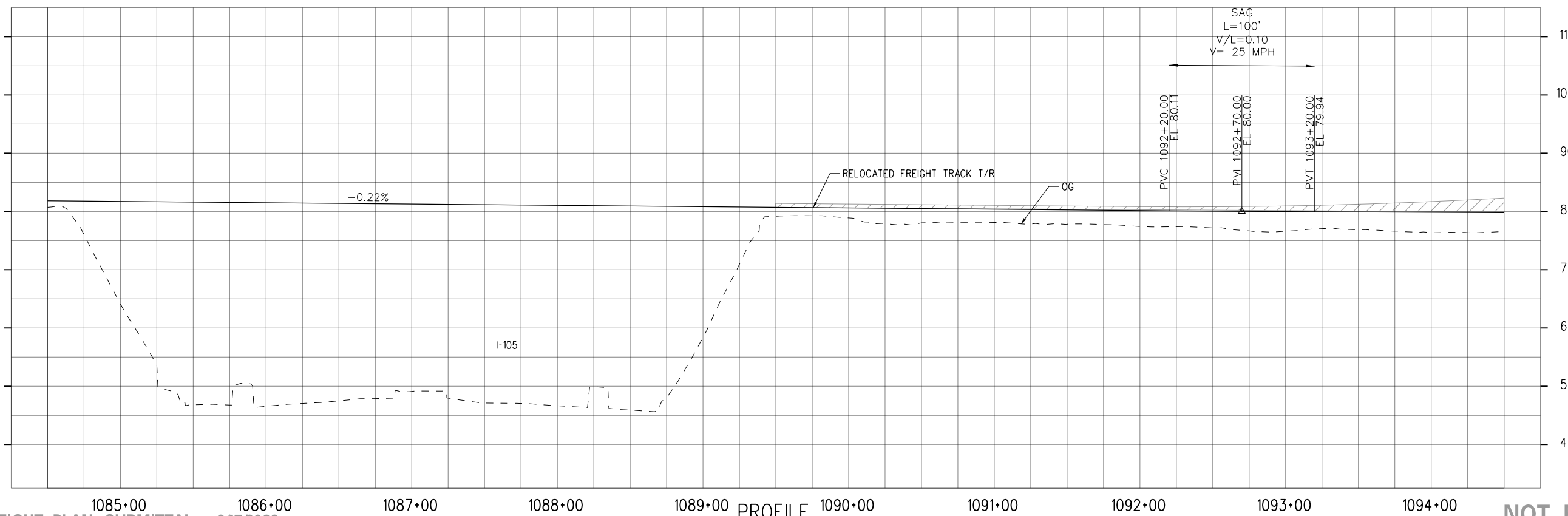
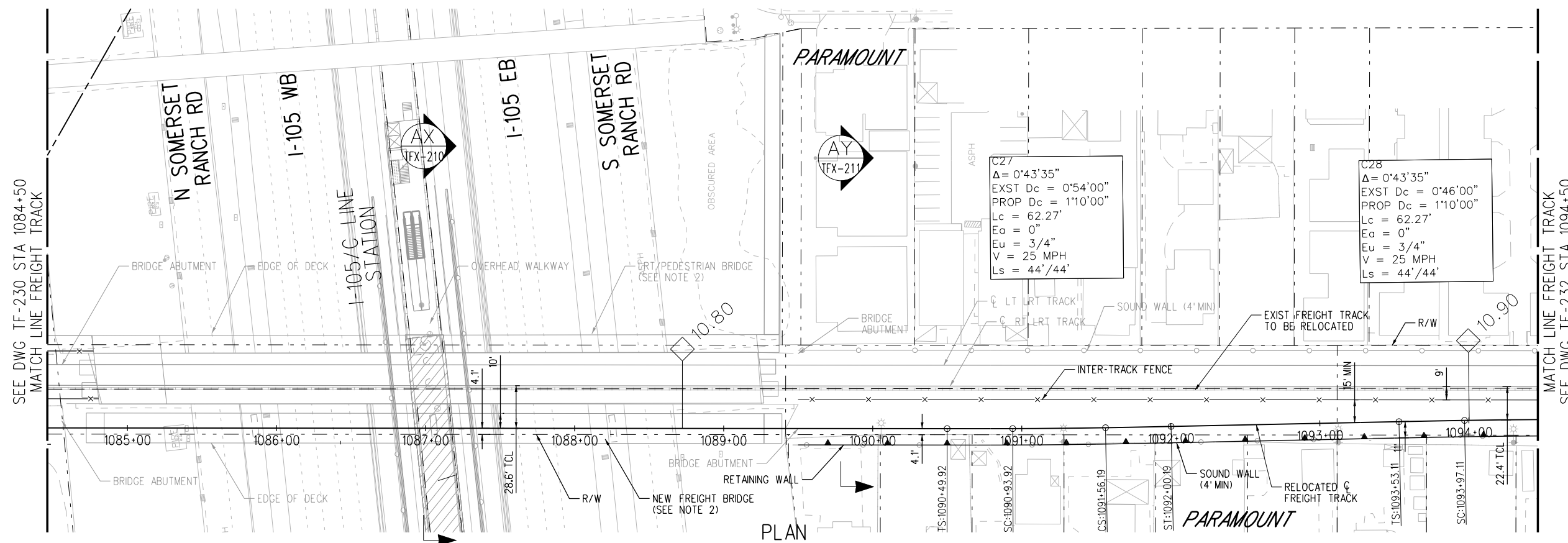
**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT SAN PEDRO BRANCH**  
**PLAN & PROFILE**  
 STA 1074+50 TO STA 1084+50

CONTRACT NO. **AE5999300**  
 DRAWING NO. **TF-230**  
 SCALE: **HORIZ: 1"=40'**  
**VERT: 1"=10'**  
 SHEET NO. **55** OF **96**



**NOTE:**

1. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.
2. BRIDGE TO INCLUDE ARCHITECTURAL TREATMENT CONSISTENT WITH EXISTING BRIDGES IN THE VICINITY



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF231.plg

wspw14-pw-svc 02:54

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

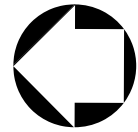


515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

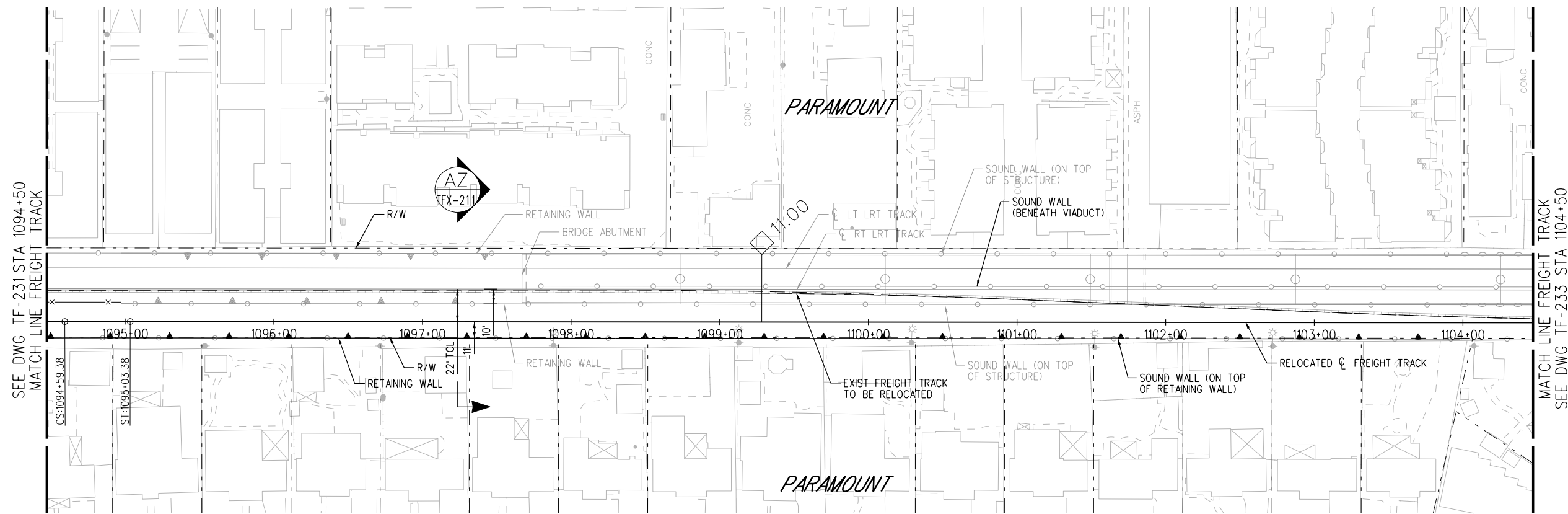
**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT**  
**SAN PEDRO BRANCH**  
**PLAN & PROFILE**  
**STA 1084+50 TO STA 1094+50**

CONTRACT NO.	AE5999300
DRAWING NO.	TF-231
SCALE	HOR: 1"=40' VERT: 1"=10'
SHEET NO.	56 OF 96

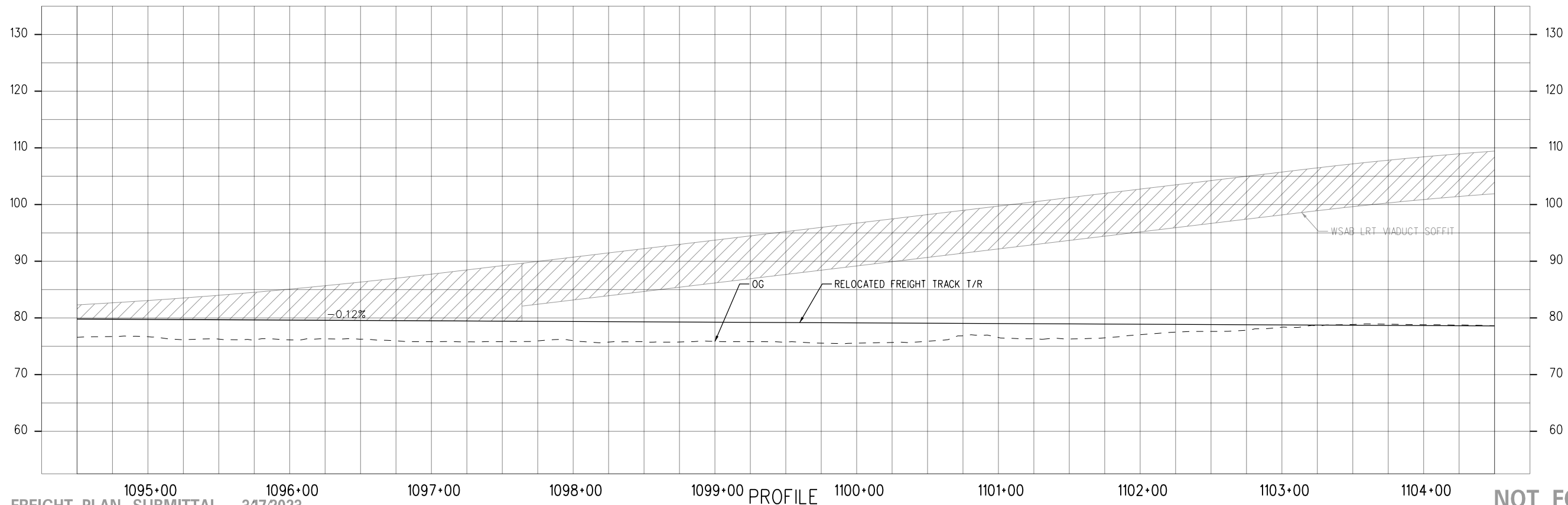


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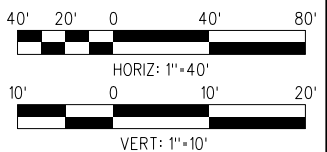
- 1. EXISTING TRACK WILL BE LINE AND SURFACE 200' BEYOND THE END OF NEW CONSTRUCTION.
- 2. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.



PLAN



PROFILE



NOT FOR CONSTRUCTION

15-DEC-2023 E-28091ATF232.plg  
wsppw14-pw-svc 02:55

FINAL FREIGHT PLAN SUBMITTAL - 317/2023

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 JS	  515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	SUBMITTED _____
		DRAWN BY HX		APPROVED _____
		CHECKED BY JSP		
		IN CHARGE RL		
		DATE 3/17/2023		
1	3/17/2023	FINAL FREIGHT PLAN SUBMITTAL		

CONTRACT NO. AE5999300
DRAWING NO. TF-232
SCALE HOR: 1"=40' VERT: 1"=10'
SHEET NO. 57 OF 96

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**WEST SANTA ANA BRANCH FREIGHT TRACK**

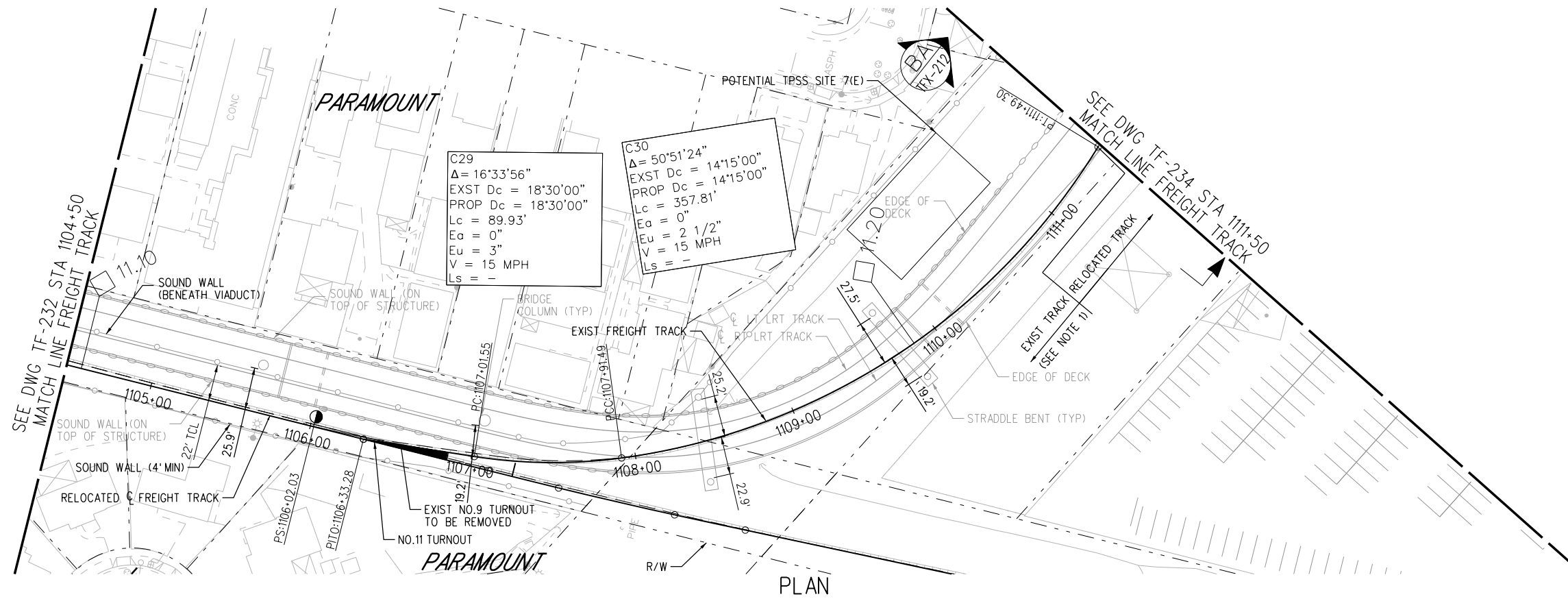
**FREIGHT SAN PEDRO BRANCH PLAN & PROFILE**

**STA 1094+50 TO STA 1104+50**

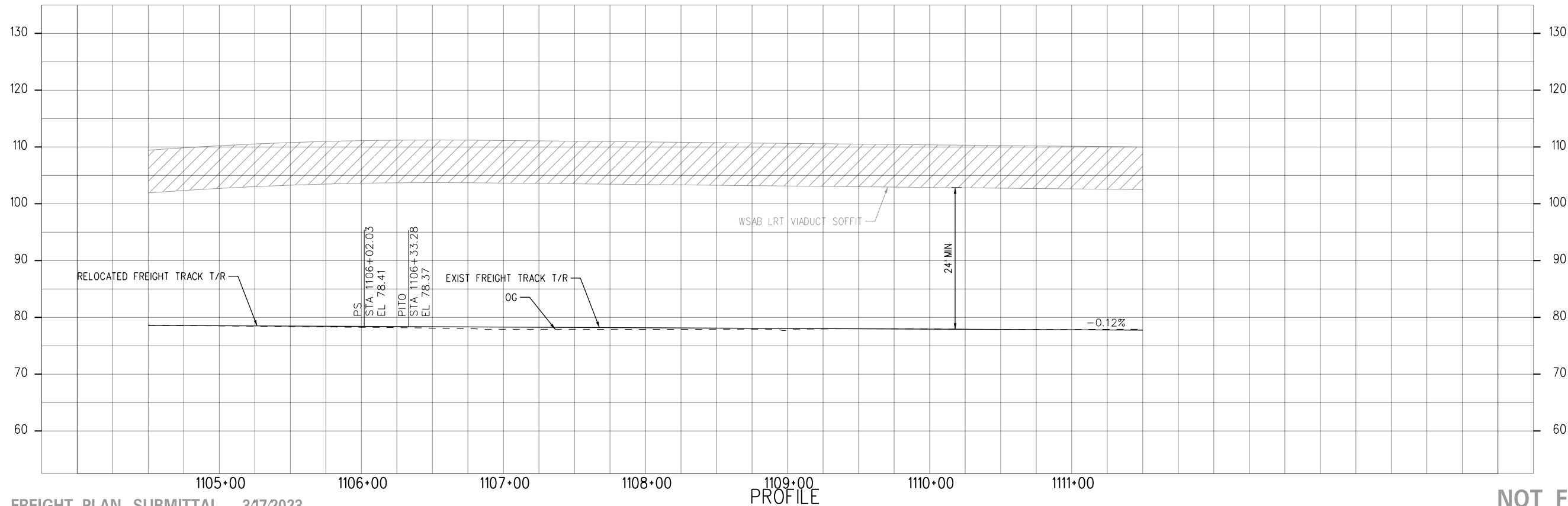


**NOTES:**

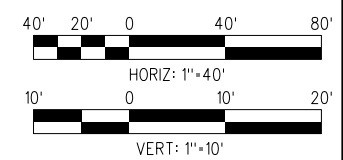
1. EXISTING TRACK WILL BE LINE AND SURFACE 200' BEYOND THE END OF NEW CONSTRUCTION.
2. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF233.plg  
wspw14\_pw-svc 02:54

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

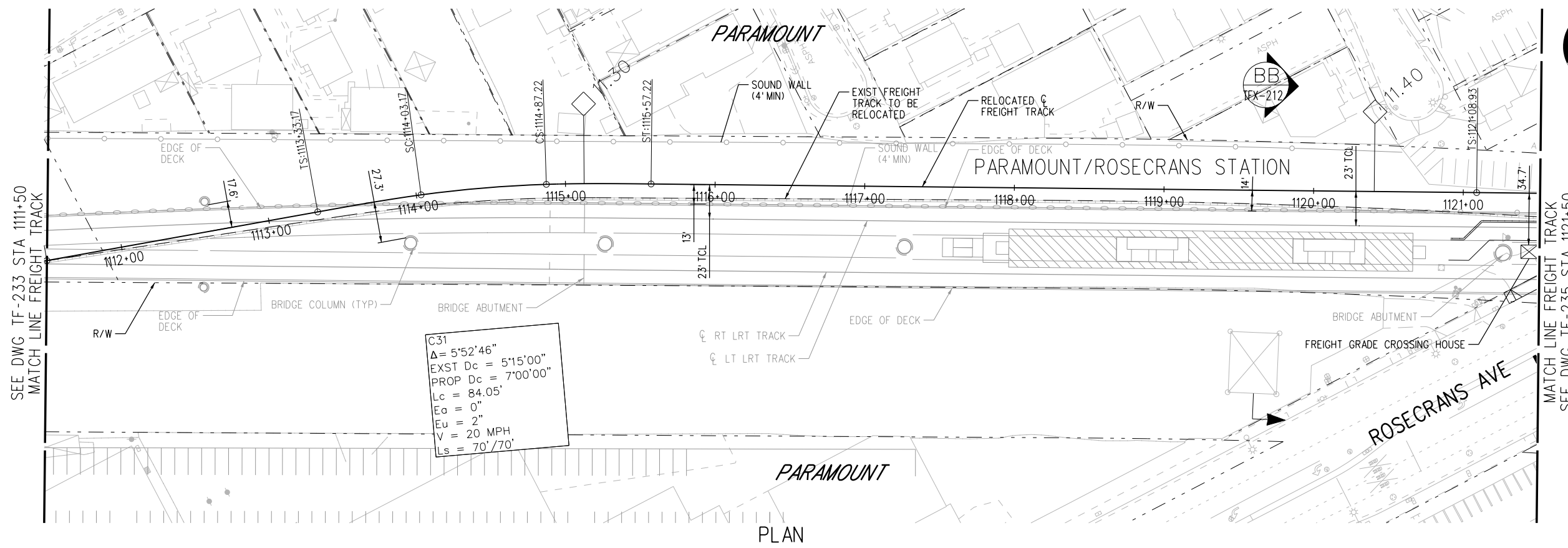
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY JS
		DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
		DATE 3/17/2023
1	3/17/2023	FINAL FREIGHT PLAN SUBMITTAL

		<b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>	
		515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	
SUBMITTED _____		APPROVED _____	

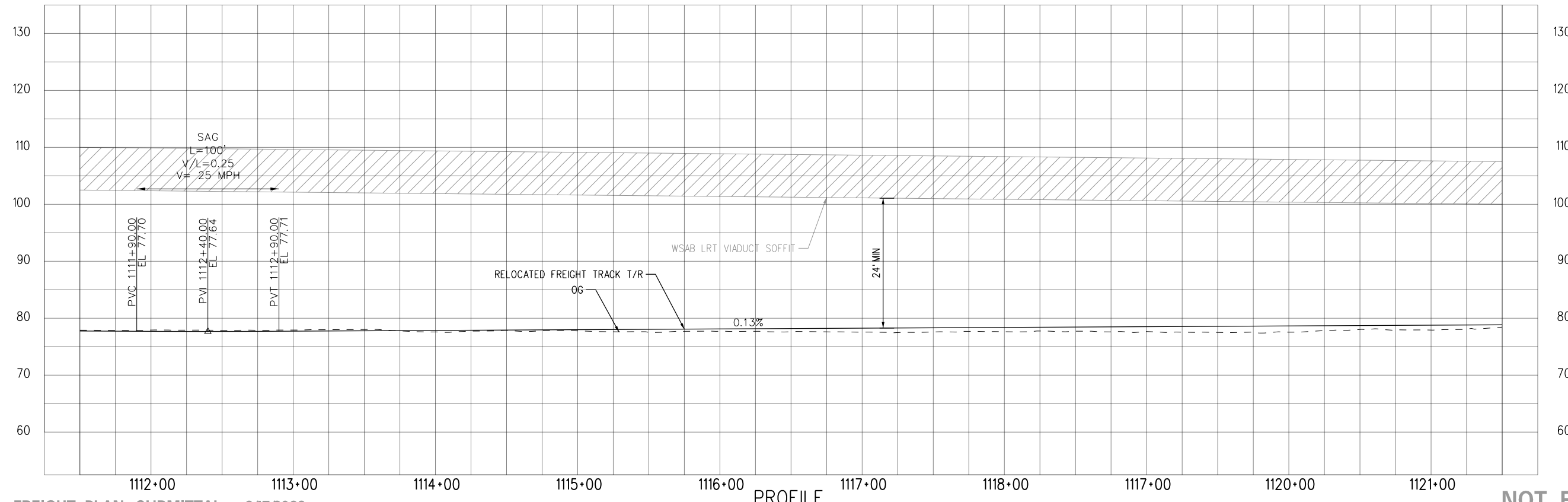
<b>WEST SANTA ANA BRANCH FREIGHT TRACK</b> <b>FREIGHT</b> <b>SAN PEDRO BRANCH/PEROW</b> <b>PLAN &amp; PROFILE</b> <b>STA 1104+50 TO STA 1111+50</b>		CONTRACT NO <b>AE5999300</b>
DRAWING NO <b>TF-233</b>		REV
SCALE HOR: 1"=40' VERT: 1"=10'		
SHEET NO 58		OF 96



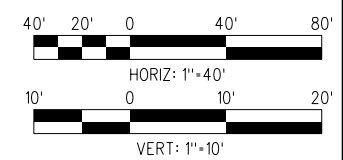
**NOTE:**  
1. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF234.plg  
wsppw14-pw-svc 02:54

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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.	
1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023

**M Metro**  
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

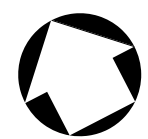
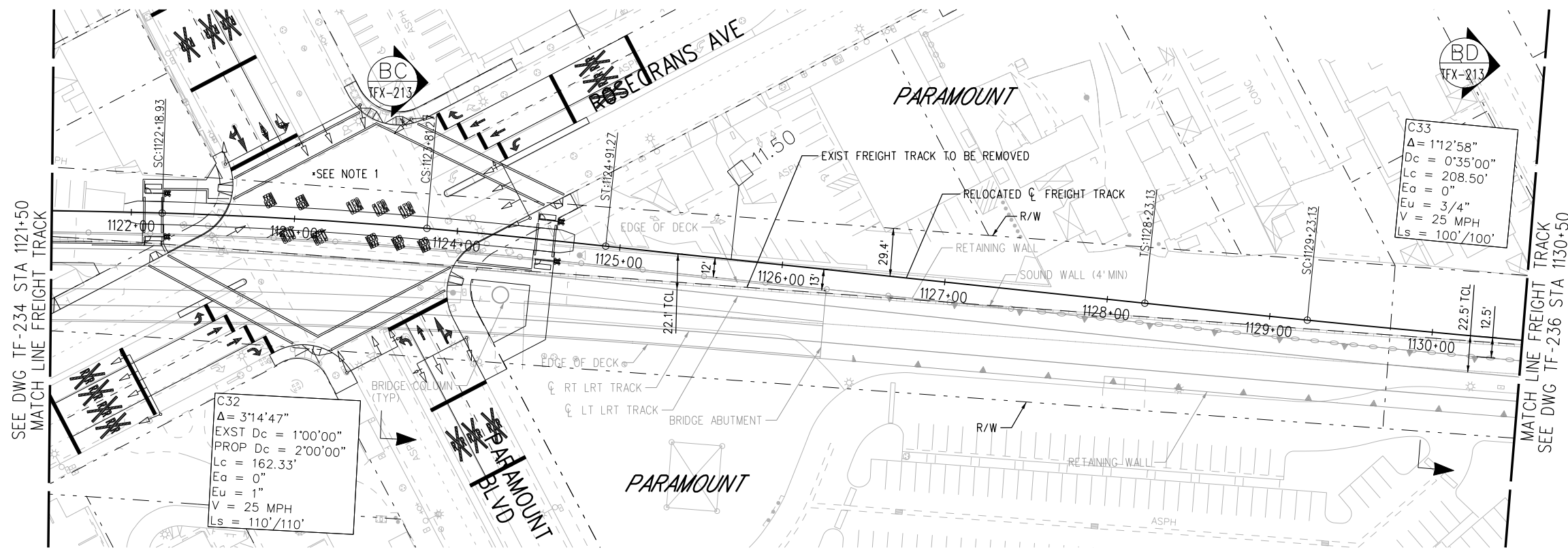
**WEST SANTA ANA BRANCH FREIGHT TRACK**  
CONTRACT NO. AE5999300

**FREIGHT PEROW**  
DRAWING NO. TF-234  
SCALE: HORIZ: 1"=40'  
VERT: 1"=10'

**PLAN & PROFILE**  
STA 1111+50 TO STA 1121+50

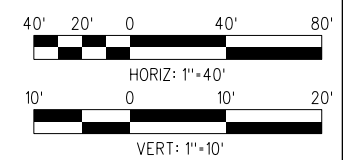
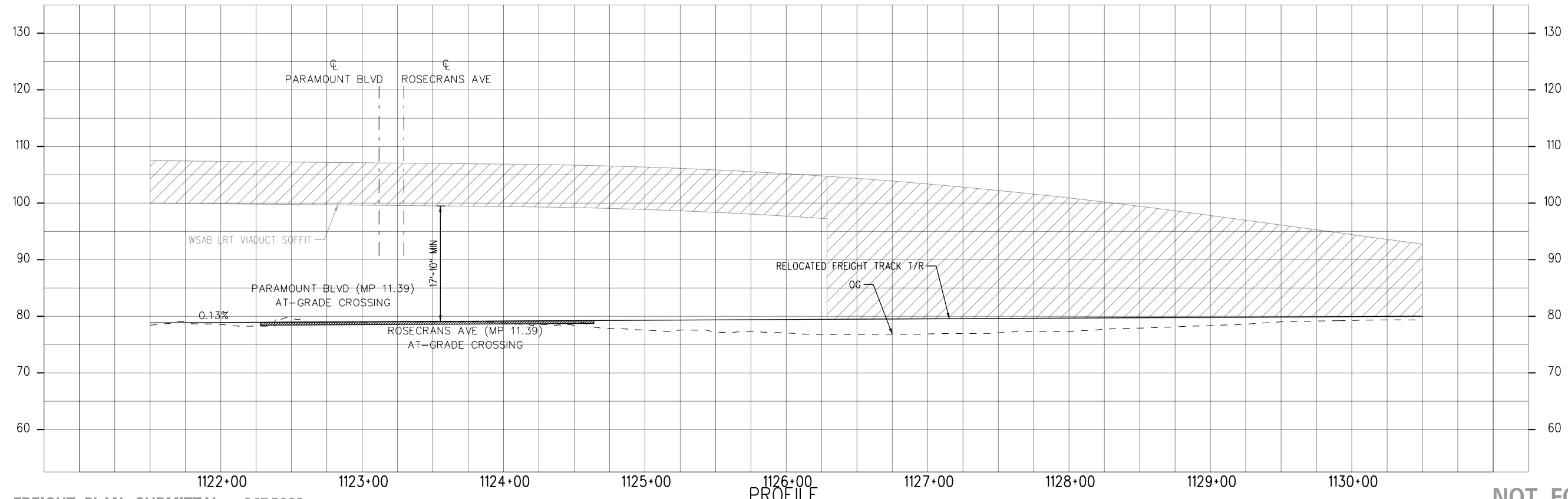
SHEET NO. 59 OF 96





- NOTES:**
1. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.
  2. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.

PLAN



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF235.plg  
wspw14\_pw-svc 02:55

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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.	
1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY JS
DRAWN BY HX
CHECKED BY JSP
IN CHARGE RL
DATE 3/17/2023

**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

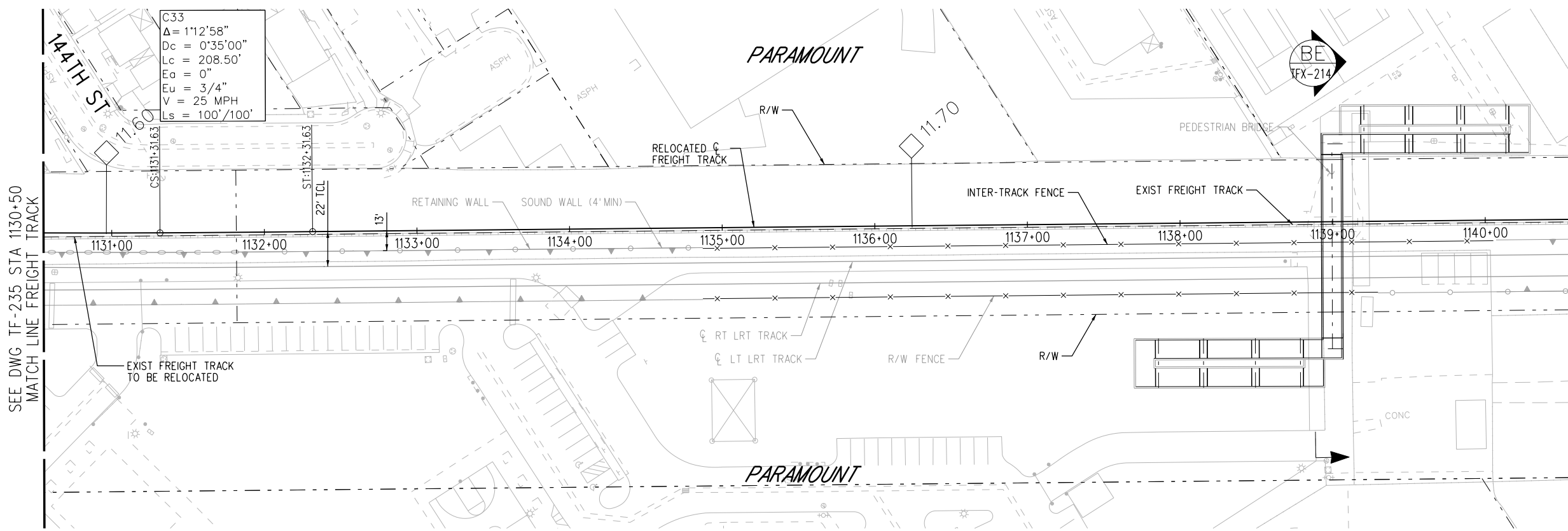
**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT PEROW**  
**PLAN & PROFILE**  
 STA 1121+50 TO STA 1130+50

CONTRACT NO. **AE5999300**  
 DRAWING NO. **TF-235**  
 SCALE **HOR: 1"=40'**  
**VERT: 1"=10'**  
 SHEET NO. **60** OF **96**

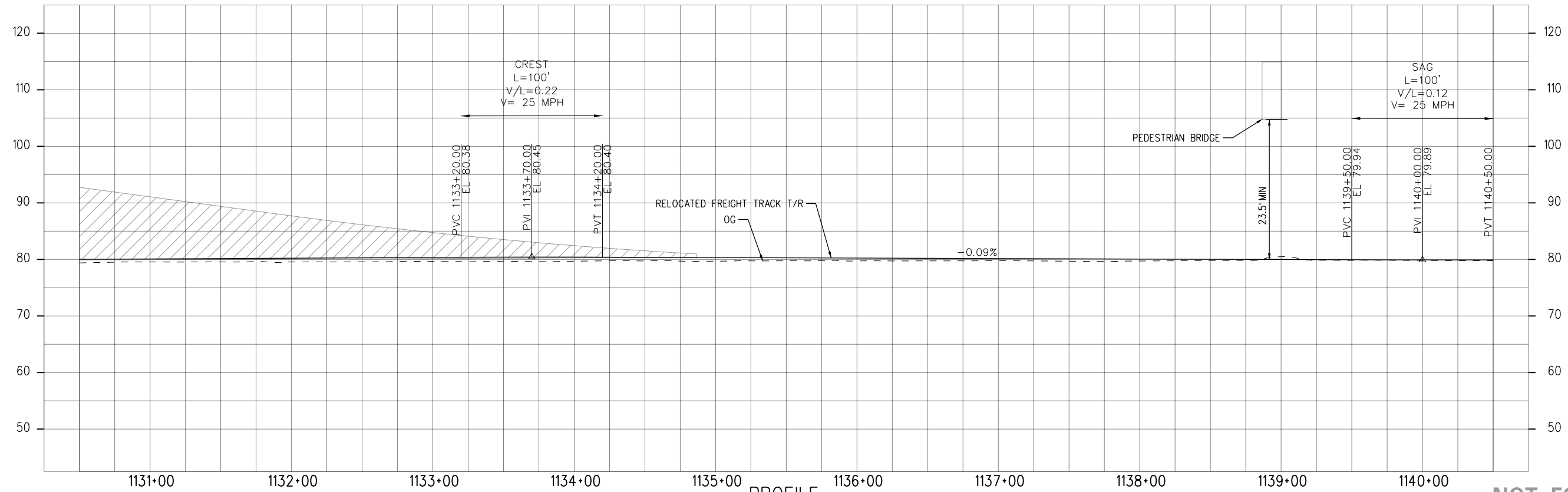
C33  
 $\Delta = 1'12.58"$   
 $D_c = 0'35.00"$   
 $L_c = 208.50'$   
 $E_c = 0"$   
 $E_u = 3/4"$   
 $V = 25 \text{ MPH}$   
 $L_s = 100'/100'$



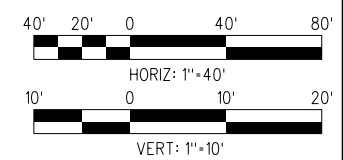
**NOTE:**  
 1. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF236.plg

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

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		DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
		DATE 3/17/2023
1	3/17/2023	FINAL FREIGHT PLAN SUBMITTAL

<p><b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b></p>	<p>515 South Figueroa Street Suite 1400 Los Angeles, CA 90071</p>
--	---

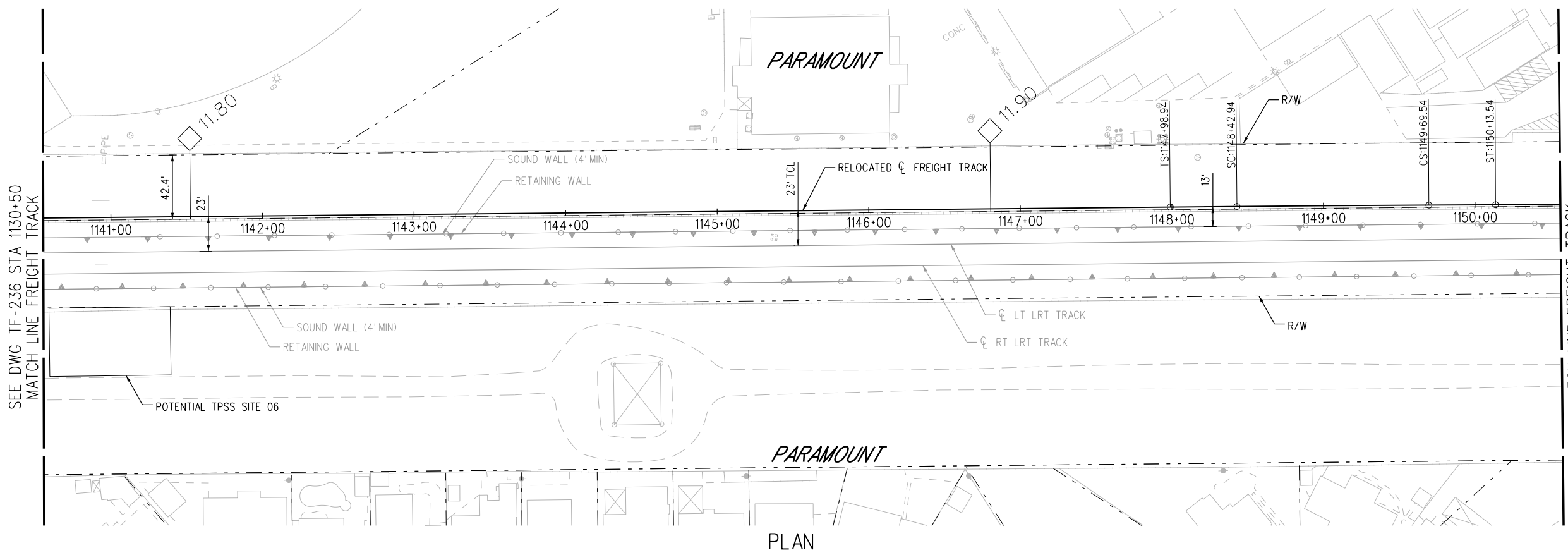
<p><b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b></p>	SUBMITTED _____ APPROVED _____
--	-----------------------------------

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT PEROW**  
**PLAN & PROFILE**  
 STA 1130+50 TO STA 1140+50

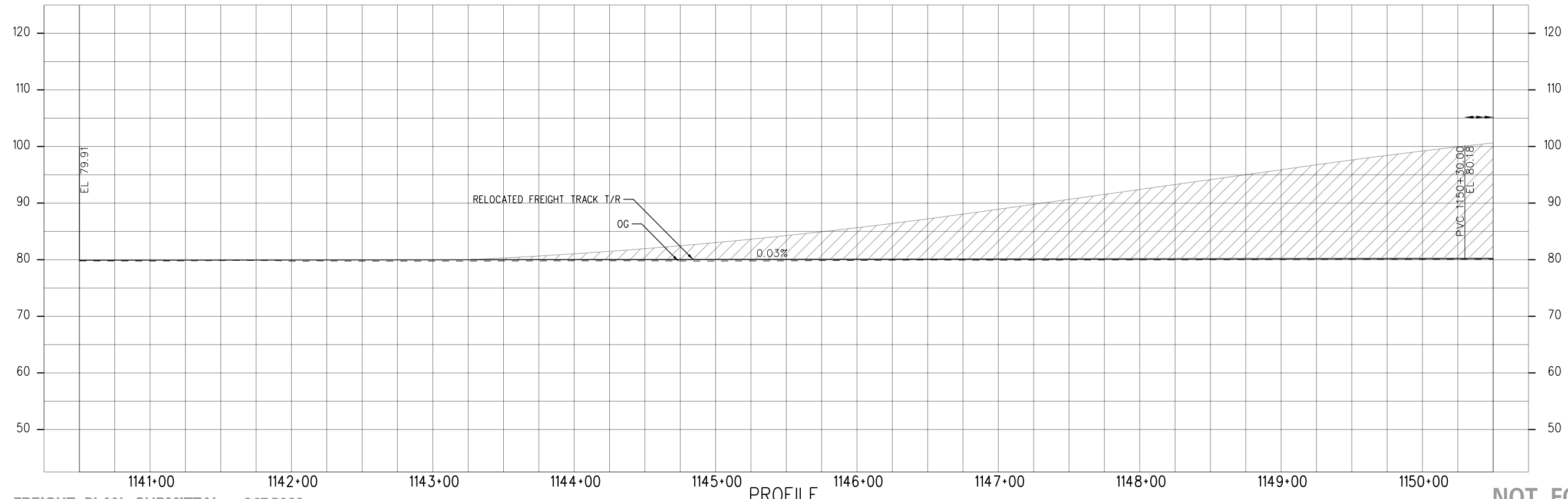
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>TF-236</b>	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 61	OF 96



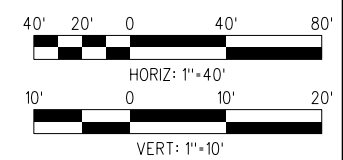
**NOTE:**  
1. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

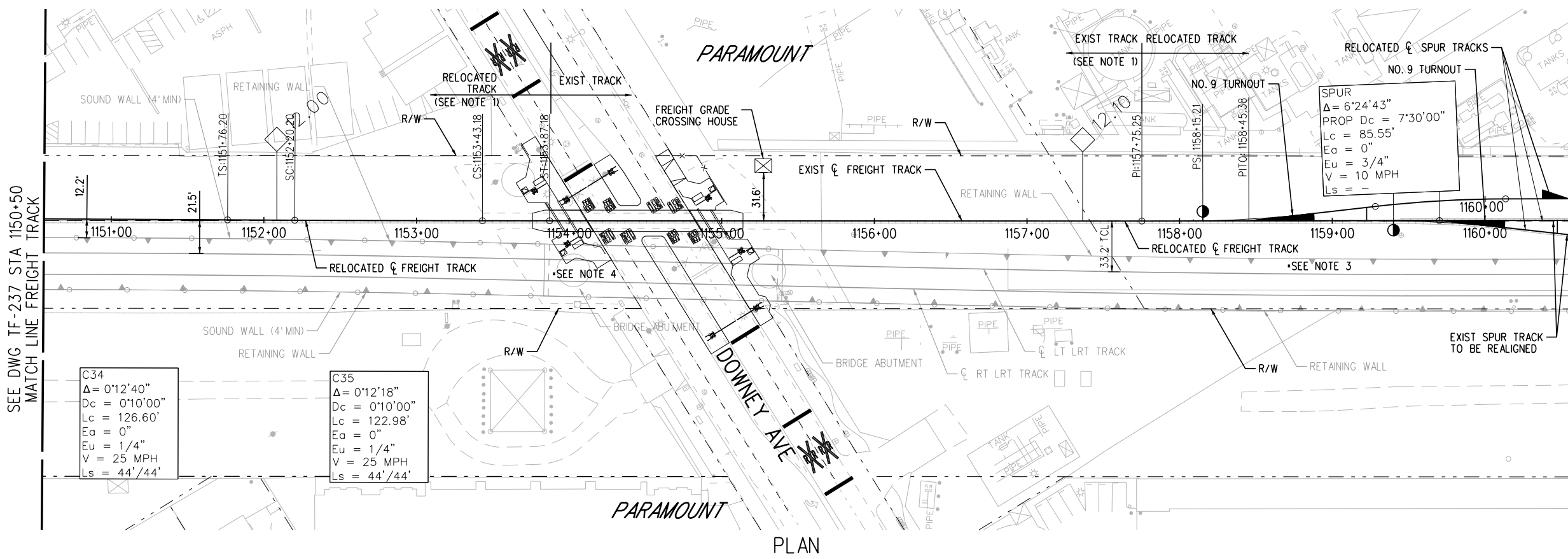
15-DEC-2023 E-28091ATF237.plg  
wspw14-pw-svc 02:54

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

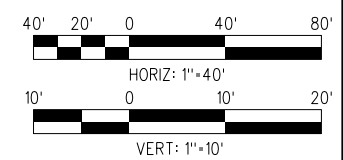
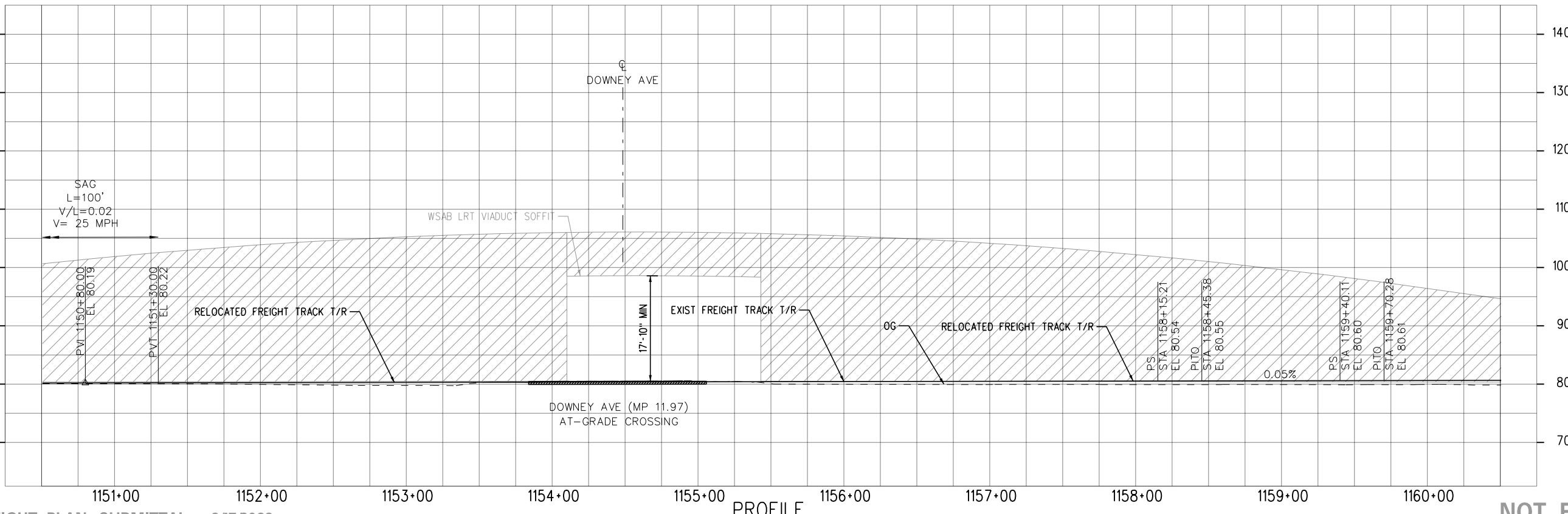
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY JS	<table border="1"> <tr> <td>1</td> <td>3/17/2023</td> <td>FINAL FREIGHT PLAN SUBMITTAL</td> </tr> </table>	1	3/17/2023	FINAL FREIGHT PLAN SUBMITTAL
1	3/17/2023	FINAL FREIGHT PLAN SUBMITTAL				
		DRAWN BY HX				
		CHECKED BY JSP				
		IN CHARGE RL				
		DATE 3/17/2023				

<b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>	
	515 South Figueroa Street Suite 1400 Los Angeles, CA 90071
SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH FREIGHT TRACK</b>		CONTRACT NO <b>AE5999300</b>
<b>FREIGHT PEROW</b>		DRAWING NO <b>TF-237</b>
<b>PLAN &amp; PROFILE</b>		SCALE HORIZ: 1"=40' VERT: 1"=10'
<b>STA 1140+50 TO STA 1150+50</b>		SHEET NO 62 OF 96



- NOTES:**
- EXISTING TRACK WILL BE LINE AND SURFACE 200' BEYOND THE END OF NEW CONSTRUCTION.
  - REFER TO LRT PLANS FOR SOUND WALL INFORMATION.
  - WORLD ENERGY STORAGE TRACK DESIGNED BY OTHERS.
  - REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.



**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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		DRAWN BY HX		DRAWING NO. <b>TF-238</b>
		CHECKED BY JSP		SCALE HORIZ: 1"=40' VERT: 1"=10'
		IN CHARGE RL		SHEET NO. 63 OF 96
1	3/17/2023	DATE 3/17/2023		

DESIGNED BY JS	IN CHARGE RL
DRAWN BY HX	DATE 3/17/2023
CHECKED BY JSP	
IN CHARGE RL	
DATE 3/17/2023	

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**WEST SANTA ANA BRANCH FREIGHT TRACK**

**FREIGHT PEROW**

**PLAN & PROFILE**

**STA 1150+50 TO STA 1160+50**

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

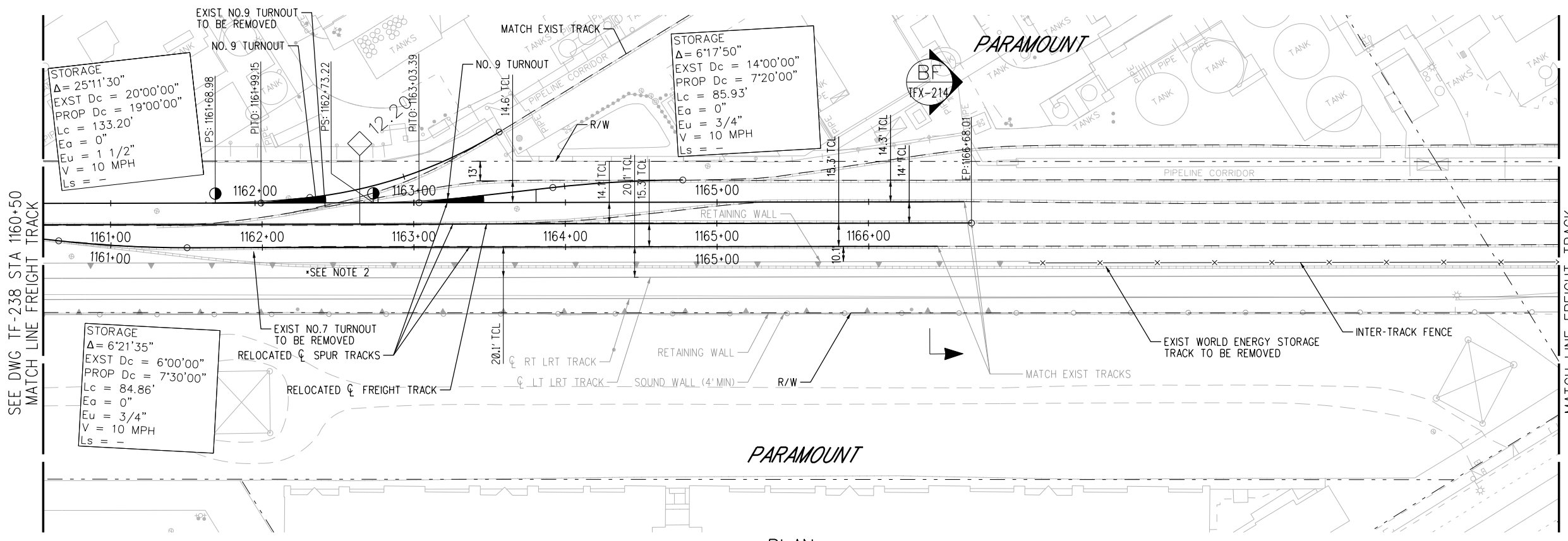
CONTRACT NO. **AE5999300**

DRAWING NO. **TF-238**

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

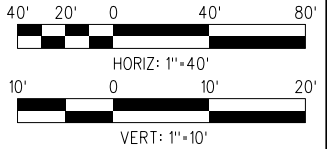
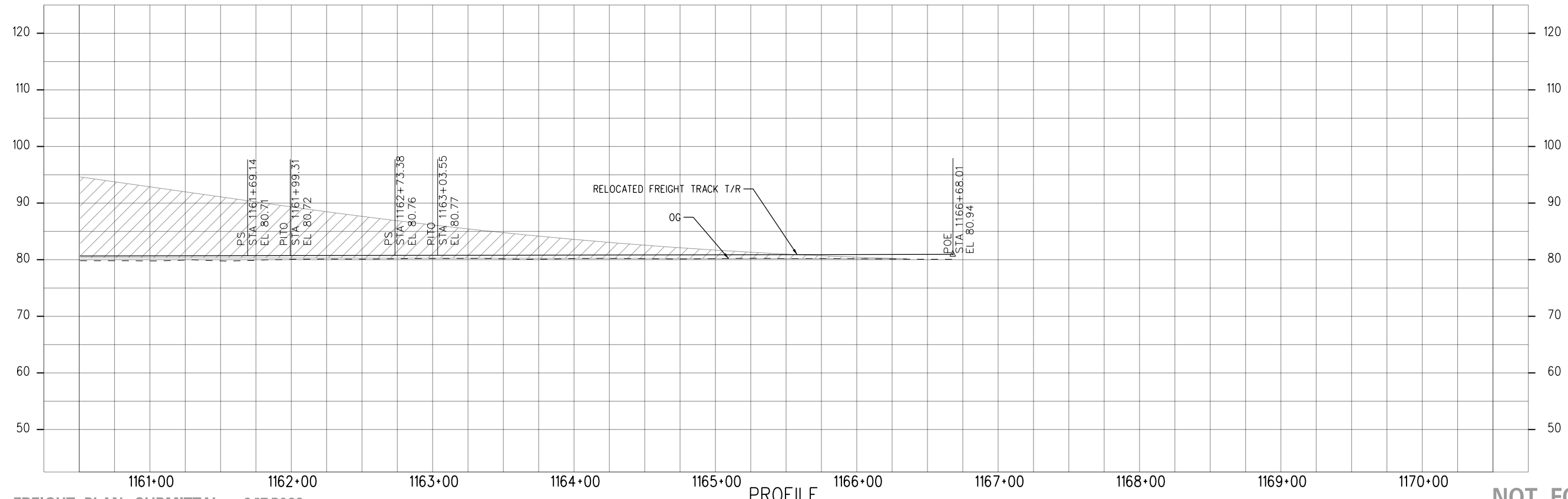
SHEET NO. 63 OF 96

15-DEC-2023 E-28091ATF238.plt



- NOTES:**
- REFER TO LRT PLANS FOR SOUND WALL INFORMATION.
  - WORLD ENERGY STORAGE TRACK DESIGNED BY OTHERS.

PLAN



PROFILE

**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF239.plg

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

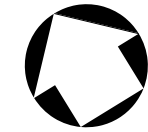
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY JS
1	3/17/2023	DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
		DATE 3/17/2023
		FINAL FREIGHT PLAN SUBMITTAL

<b>M</b> Metro	LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY
	515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

	SUBMITTED _____ APPROVED _____
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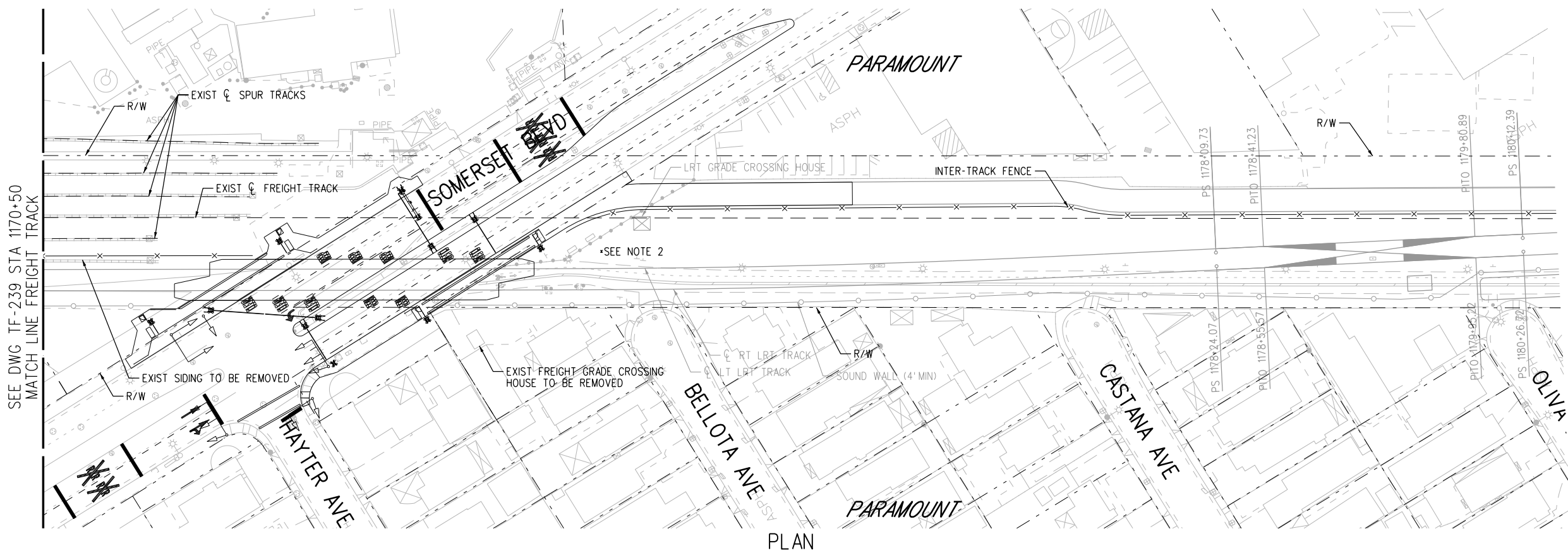
WEST SANTA ANA BRANCH FREIGHT TRACK  
 FREIGHT PEROW  
 PLAN & PROFILE  
 STA 1160+50 TO STA 1170+50

CONTRACT NO. AE5999300	
DRAWING NO. TF-239	REV
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 64	OF 96

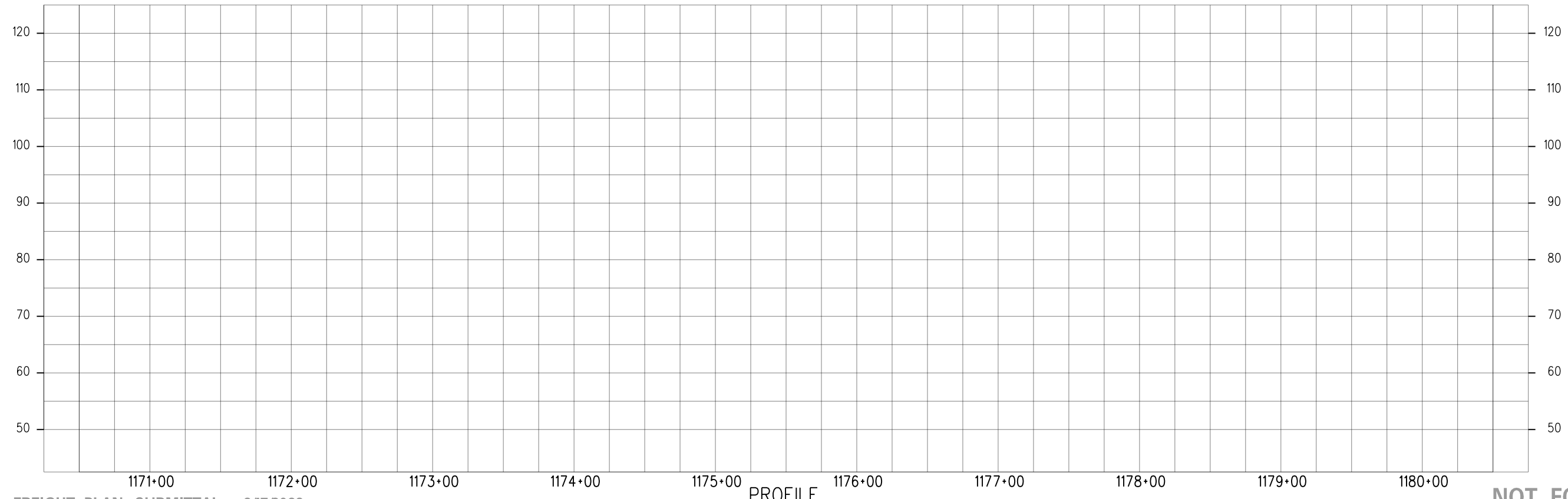


**NOTES:**

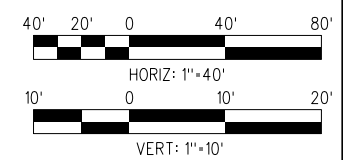
- 1. REFER TO LRT PLANS FOR SOUND WALL INFORMATION.
- 2. REFER TO ADVANCED CONCEPTUAL ENGINEERING GRADE CROSSING PLANS.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATF240.plg  
wsppw14-pw-svc 02:54  
Plot Driver=MTA-half.pen

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

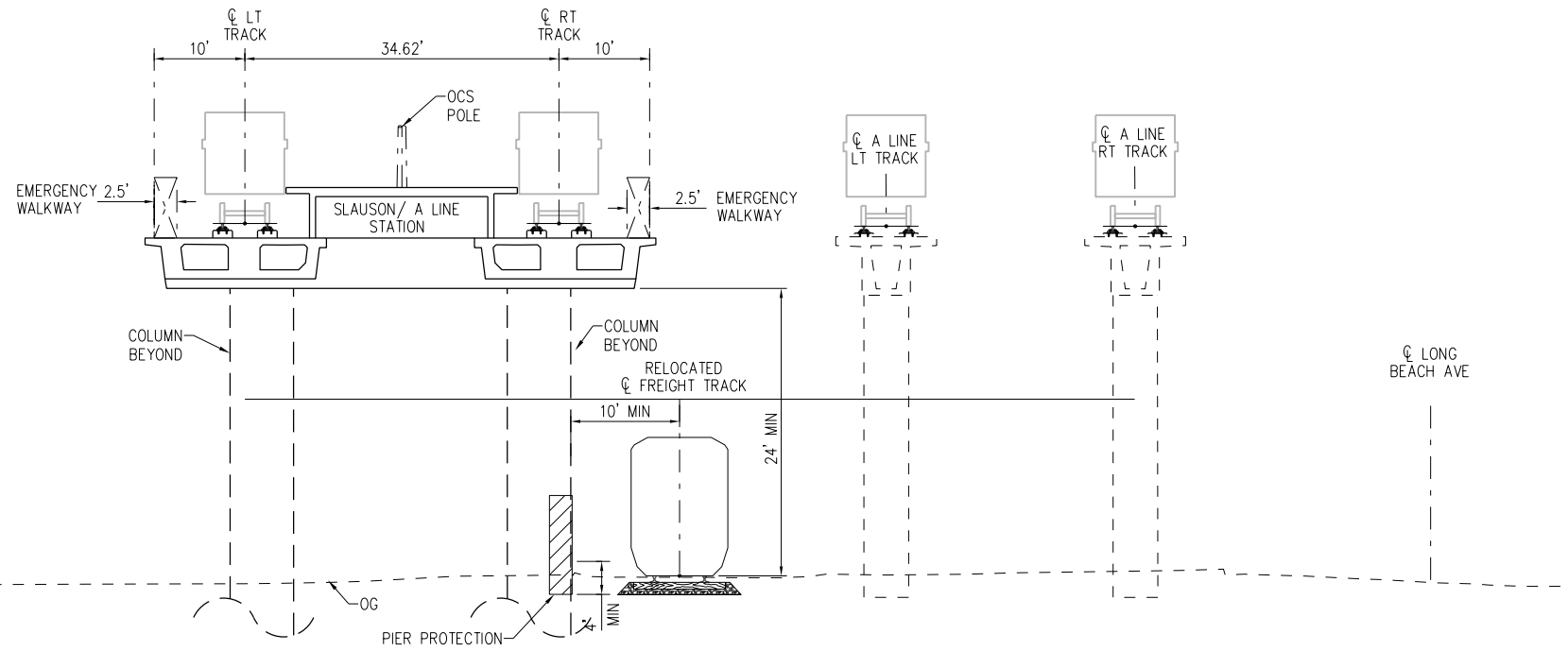
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY JS	 <b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>   515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	CONTRACT NO. <b>AE5999300</b>	
		DRAWN BY HX		DRAWING NO. <b>TF-240</b>	REV
		CHECKED BY JSP		SCALE HOR: 1"=40' VERT: 1"=10'	
		IN CHARGE RL		SHEET NO.	
1	3/17/2023	DATE 3/17/2023		65	OF 96

FINAL FREIGHT PLAN SUBMITTAL

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT PEROW**  
**PLAN & PROFILE**  
**STA 1170+50 TO STA 1180+50**

**NOTES:**

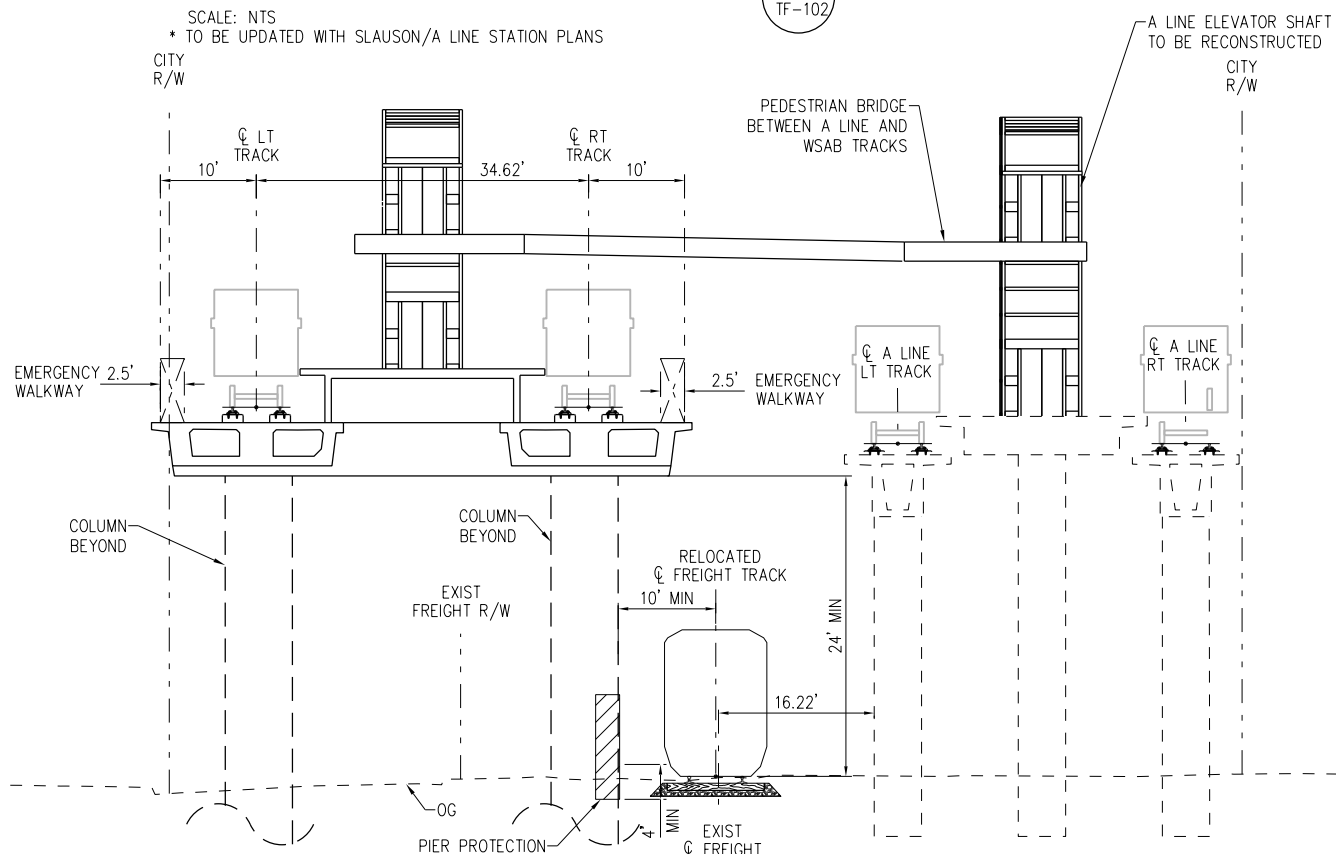
1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.
2. CROSS SECTIONS AT SLAUSON/A LINE STATION MAY REQUIRE REVISION DUE TO CHANGES IN STATION CONFIGURATION, HOWEVER, MINIMUM FREIGHT CLEARANCES TO BE PROVIDED.



**STA 663+75**

**A**  
TF-102

SCALE: NTS  
\* TO BE UPDATED WITH SLAUSON/A LINE STATION PLANS



**STA 665+50**

**B**  
TF-102

SCALE: NTS  
\* TO BE UPDATED WITH SLAUSON/A LINE STATION PLANS

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

1	3/17/2023	FINAL FREIGHT PLAN SUBMITTAL
---	-----------	------------------------------

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED: \_\_\_\_\_

APPROVED: \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**

**FREIGHT NORTHERN ALIGNMENT TYPICAL SECTIONS**

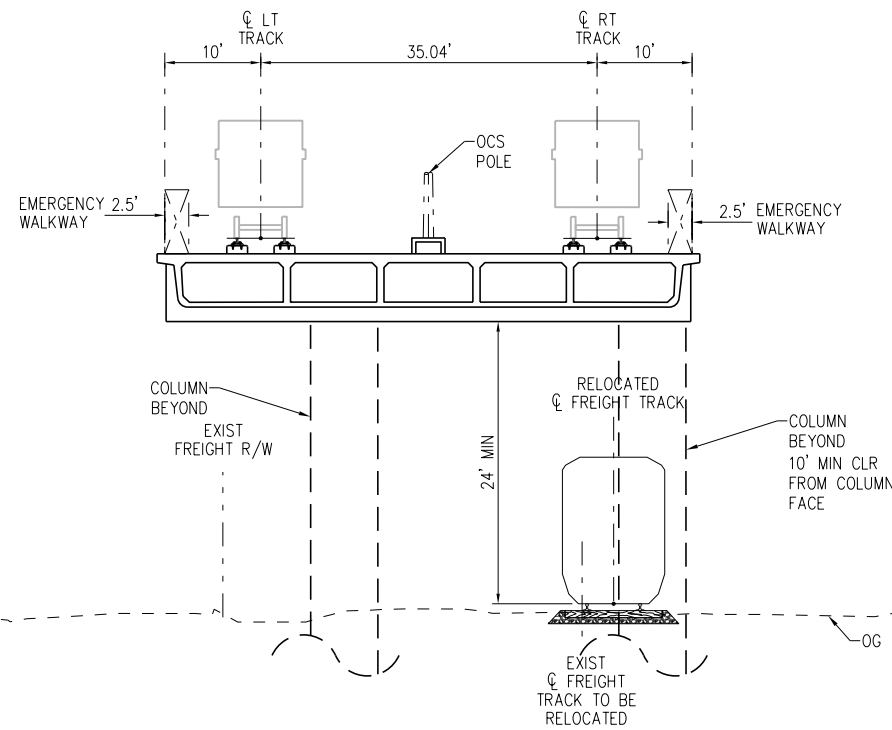
CONTRACT NO.	AE5999300
DRAWING NO.	TFX-101
SCALE	NO SCALE
SHEET NO.	66 OF 96

**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATFX101.plg

**NOTES:**

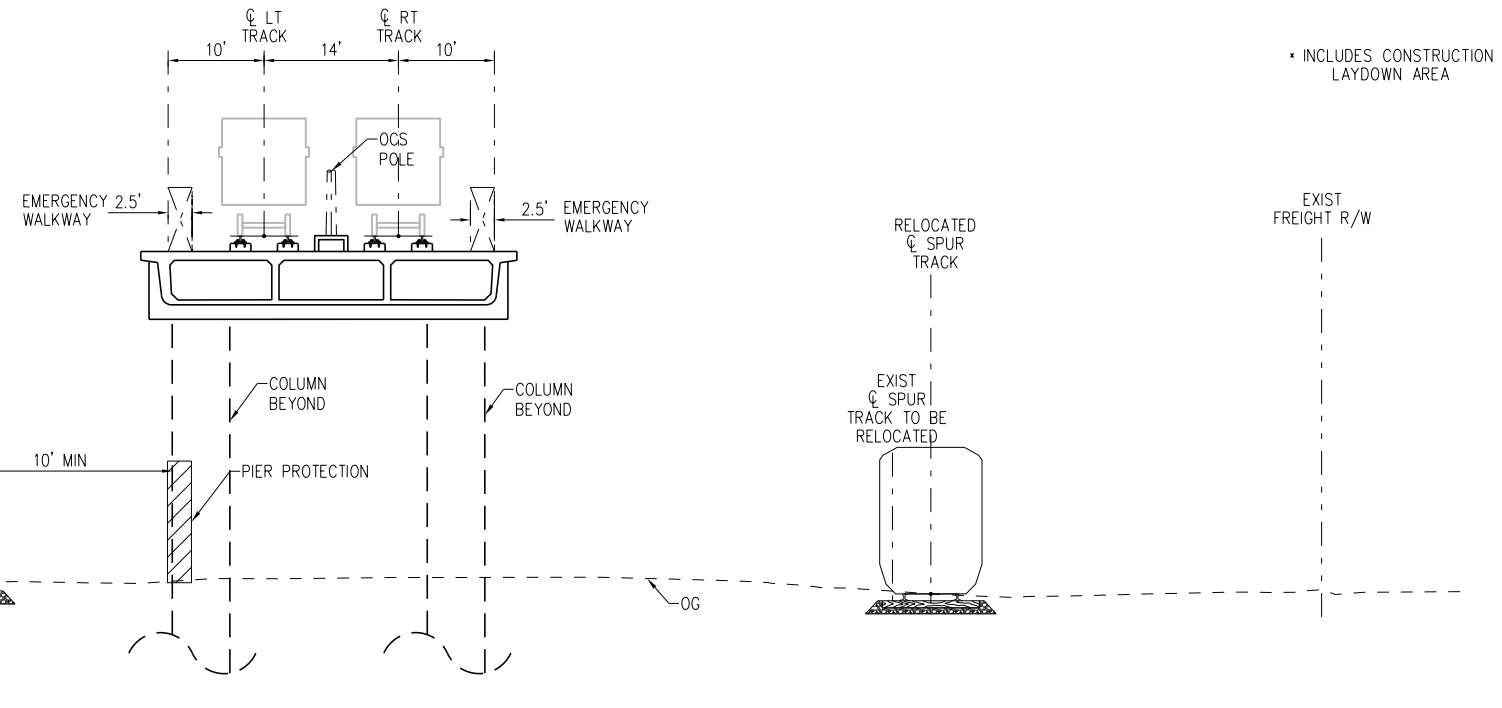
1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.
2. CROSS SECTIONS AT SLAUSON/A LINE STATION MAY REQUIRE REVISION DUE TO CHANGES IN STATION CONFIGURATION. HOWEVER, MINIMUM FREIGHT CLEARANCES TO BE PROVIDED.



**STA 667+20**

SCALE: NTS

**C**  
TF-102



**STA 674+15**

SCALE: NTS

**D**  
TF-103

\* INCLUDES CONSTRUCTION LAYDOWN AREA

15-DEC-2023 E-28091ATFX102.plg

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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		DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
		DATE 3/17/2023
1	3/17/2023	FINAL FREIGHT PLAN SUBMITTAL

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED: \_\_\_\_\_

APPROVED: \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**

**FREIGHT NORTHERN ALIGNMENT TYPICAL SECTIONS**

CONTRACT NO. **AE5999300**

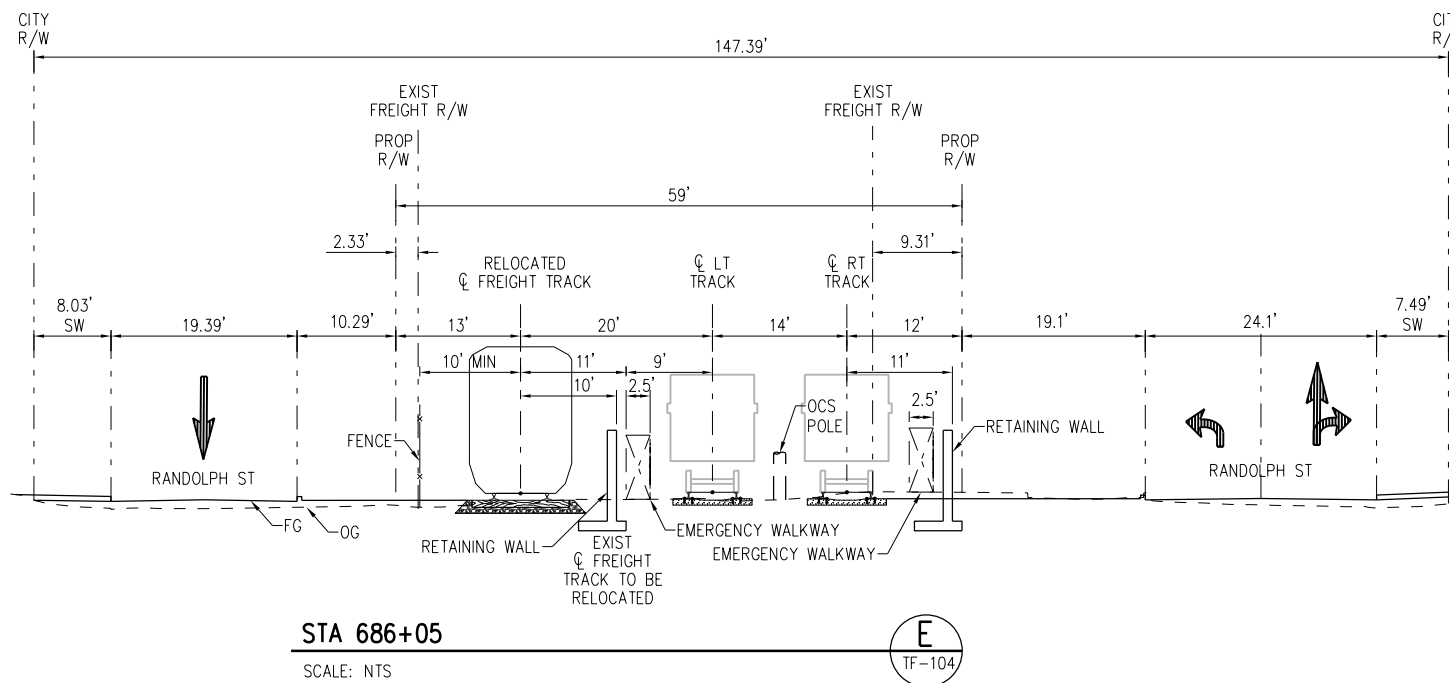
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SCALE: **NO SCALE**

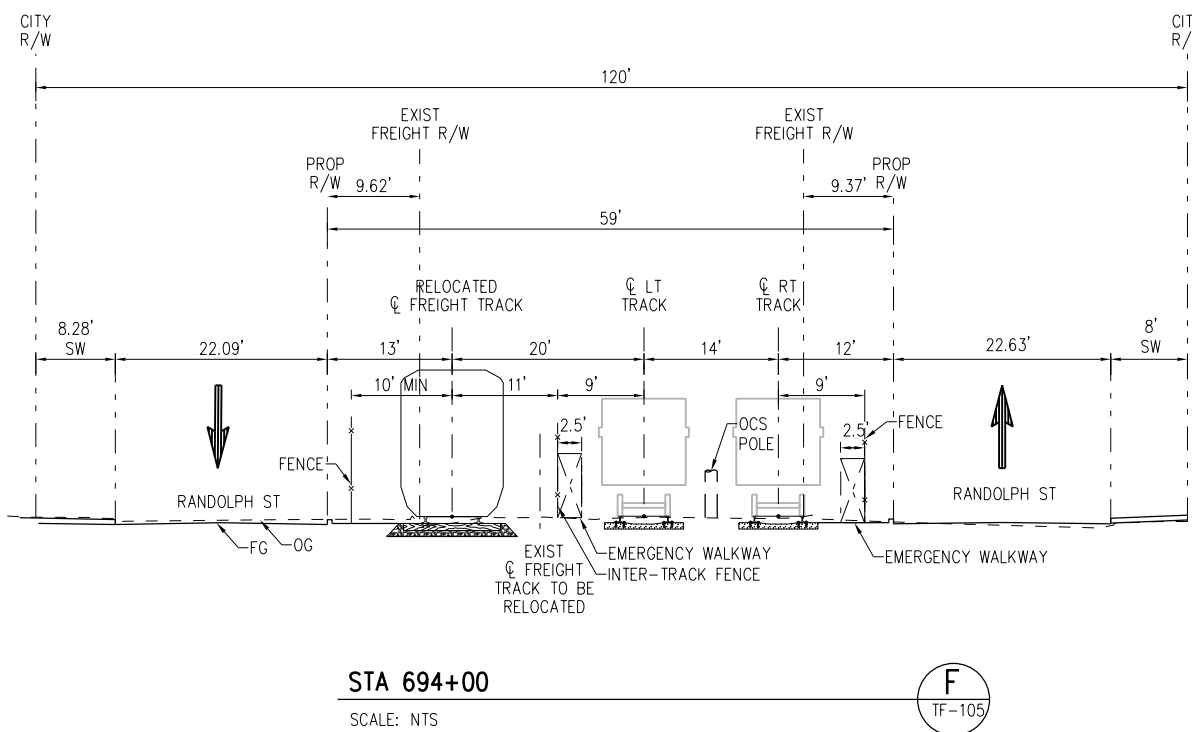
SHEET NO. **67** OF **96**

**NOT FOR CONSTRUCTION**





STA 686+05  
SCALE: NTS



STA 694+00  
SCALE: NTS

15-DEC-2023 E-28091ATFX103.plg  
wspw14-pw-svc 02:54

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

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1	3/17/2023	DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
		DATE 3/17/2023
		FINAL FREIGHT PLAN SUBMITTAL



LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY

wsp 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

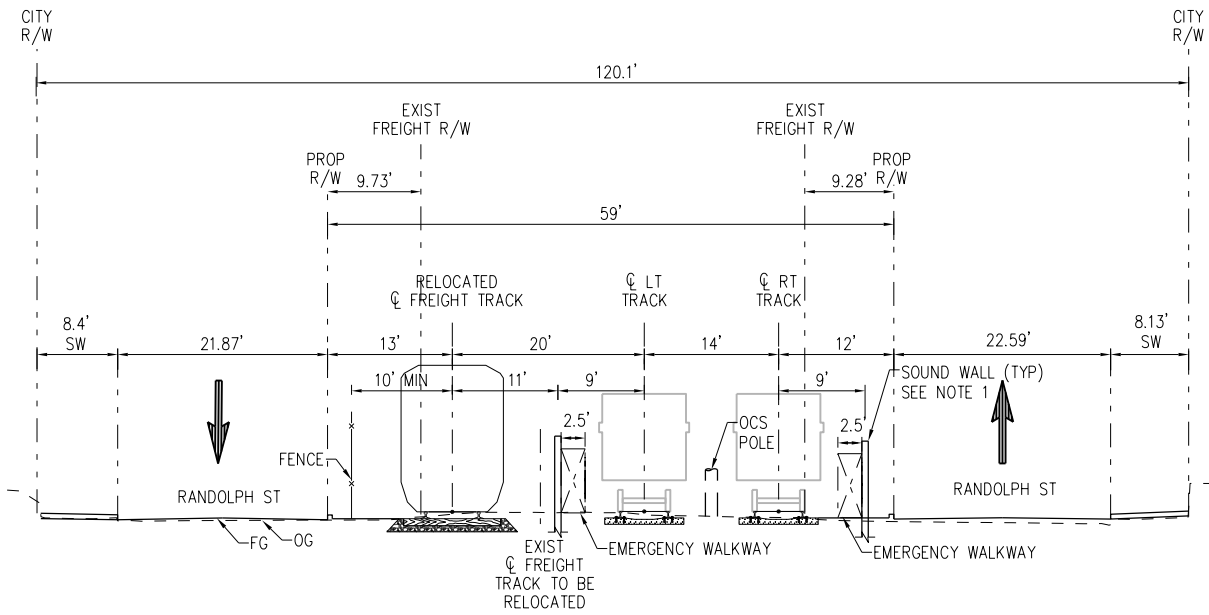
SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH FREIGHT TRACK  
FREIGHT  
NORTHERN ALIGNMENT  
TYPICAL SECTIONS

CONTRACT NO AE5999300	
DRAWING NO TFX-103	REV
SCALE NO SCALE	
SHEET NO 68 OF 96	

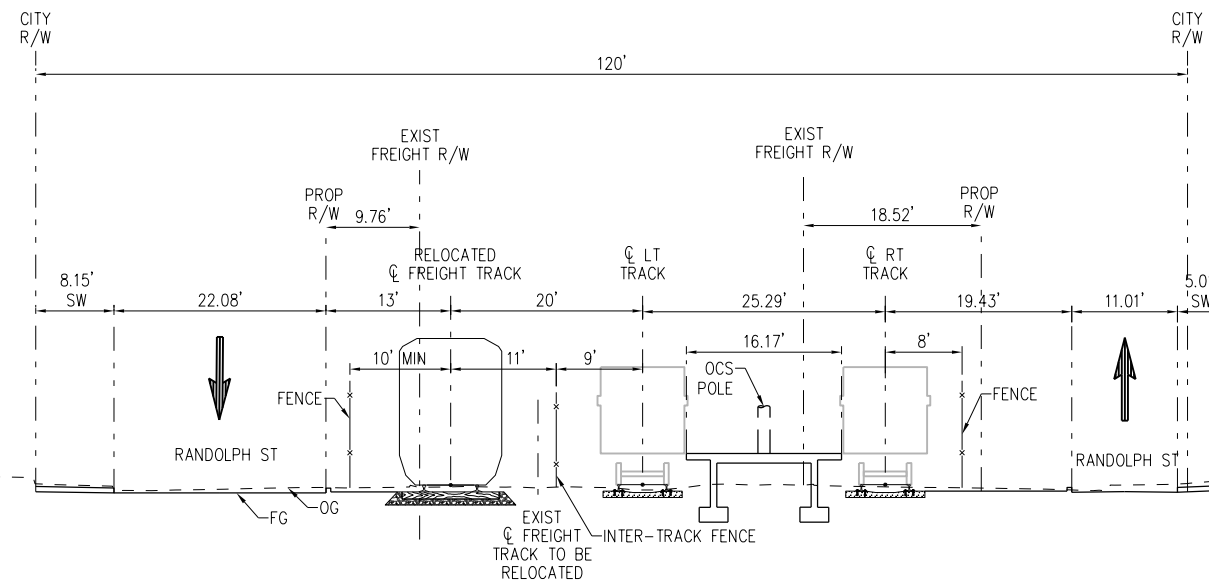
NOT FOR CONSTRUCTION

**NOTE:**  
 1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**STA 714+00**

SCALE: NTS



**STA 727+00**

SCALE: NTS



15-DEC-2023 E-28091ATFX104.plg  
wspdw14\_pw-svc 02:54

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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		DRAWN BY HX	
		CHECKED BY JSP	
		IN CHARGE RL	
1	3/17/2023	DATE 3/17/2023	FINAL FREIGHT PLAN SUBMITTAL



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

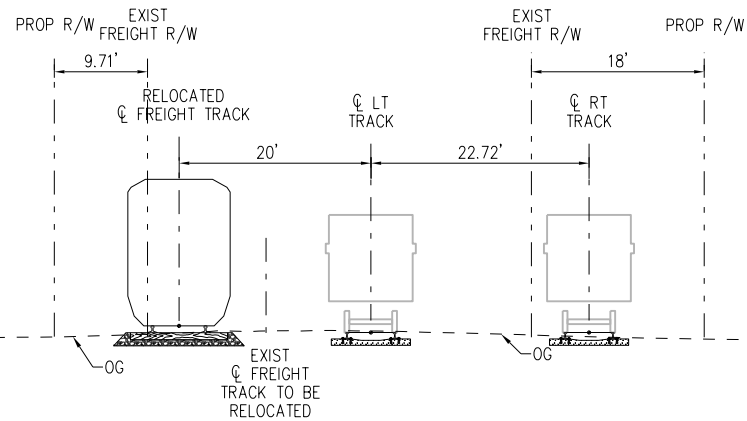
**WEST SANTA ANA BRANCH FREIGHT TRACK  
 FREIGHT  
 NORTHERN ALIGNMENT  
 TYPICAL SECTIONS**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>TFX-104</b>	REV
SCALE NO SCALE	
SHEET NO 69	OF 96

**NOT FOR CONSTRUCTION**

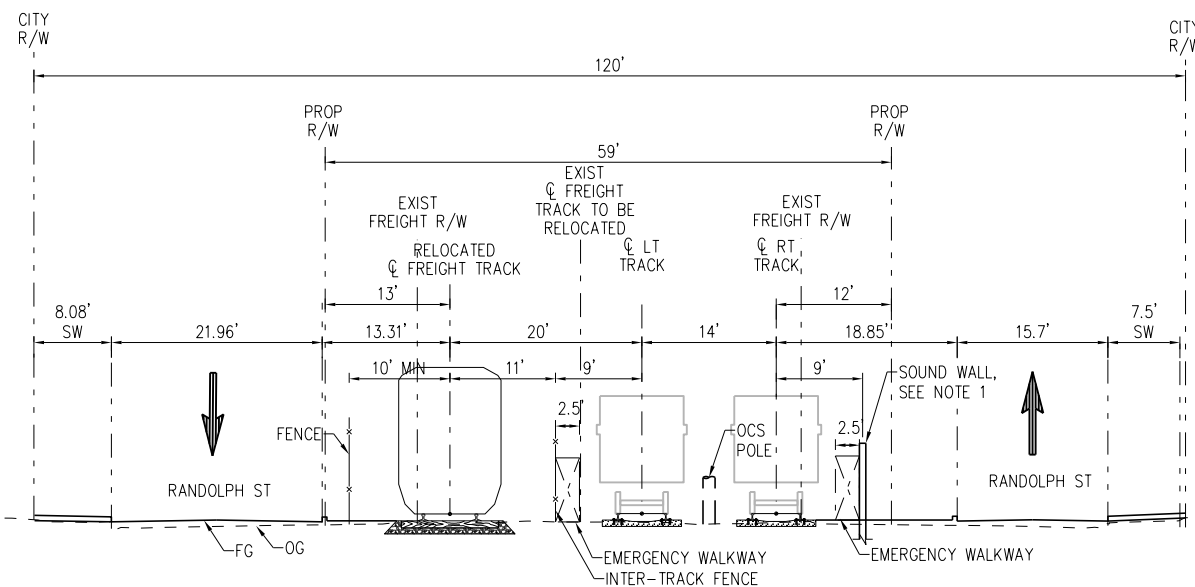
**NOTE:**

1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**STA 733+10 SEVILLE INTERSECTION**

SCALE: NTS



**STA 745+00**

SCALE: NTS



15-DEC-2023 E-28091ATFX105.plg  
wspw14-pw-svc 02:59

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023
1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

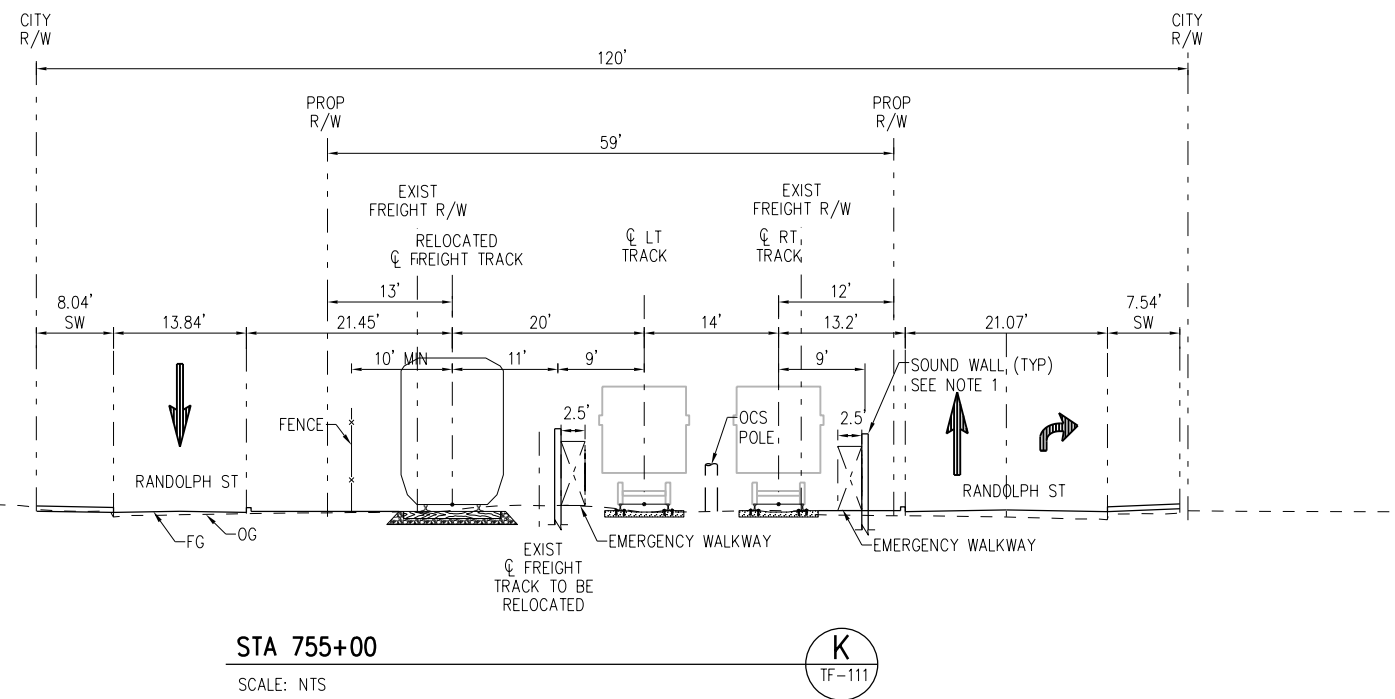
**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT NORTHERN ALIGNMENT**  
**TYPICAL SECTIONS**

CONTRACT NO	AE5999300
DRAWING NO	TFX-105
SCALE	NO SCALE
SHEET NO	70 OF 96

**NOT FOR CONSTRUCTION**

**NOTE:**

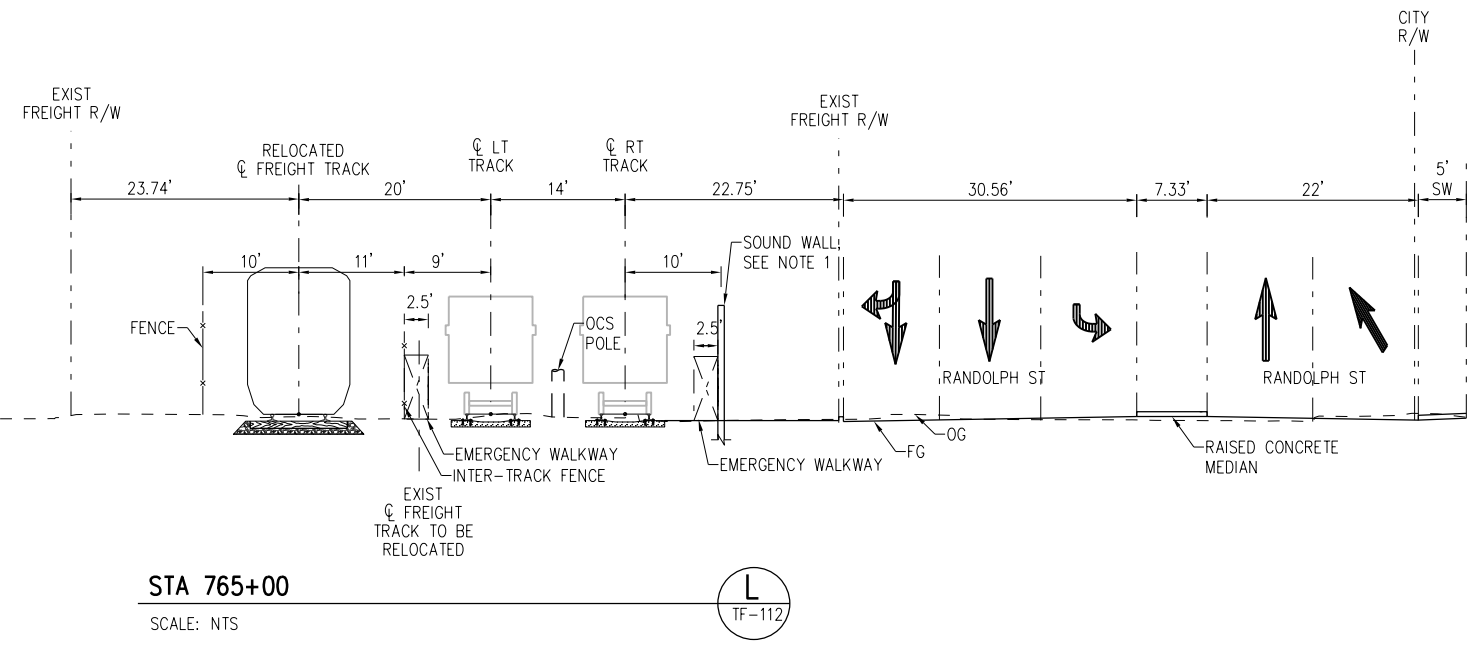
1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



STA 755+00

SCALE: NTS

K  
TF-111



STA 765+00

SCALE: NTS

L  
TF-112

15-DEC-2023 E-28091ATFX106.plg  
wspw14\_pw-svc 02:54

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

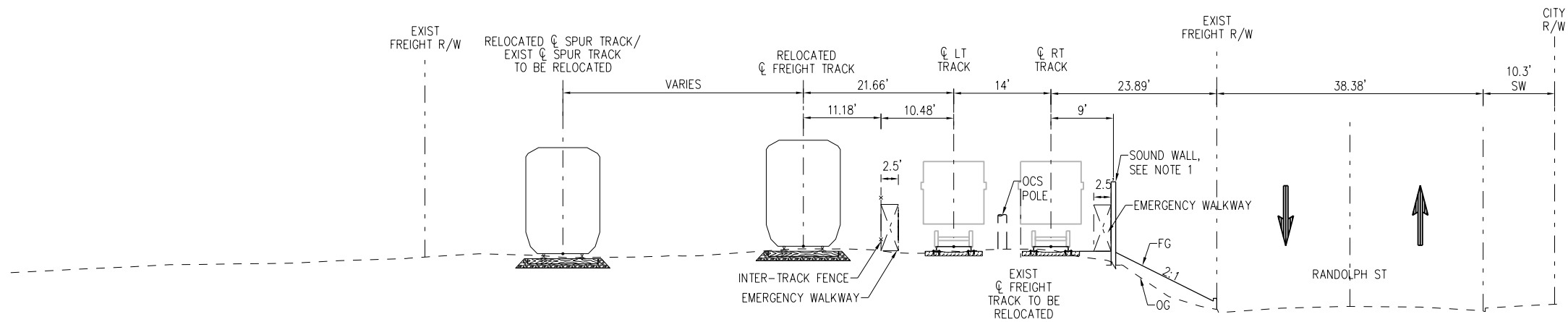
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY JS	
		DRAWN BY HX	
		CHECKED BY JSP	
		IN CHARGE RL	
		DATE 3/17/2023	
1	3/17/2023		FINAL FREIGHT PLAN SUBMITTAL

<p><b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b></p>	<p>515 South Figueroa Street Suite 1400 Los Angeles, CA 90071</p>
--	---

<p>WEST SANTA ANA BRANCH FREIGHT TRACK</p> <p>FREIGHT NORTHERN ALIGNMENT TYPICAL SECTIONS</p>	<p>CONTRACT NO <b>AE5999300</b></p> <p>DRAWING NO <b>TFX-106</b></p> <p>SCALE NO SCALE</p> <p>SHEET NO 71 OF 96</p>
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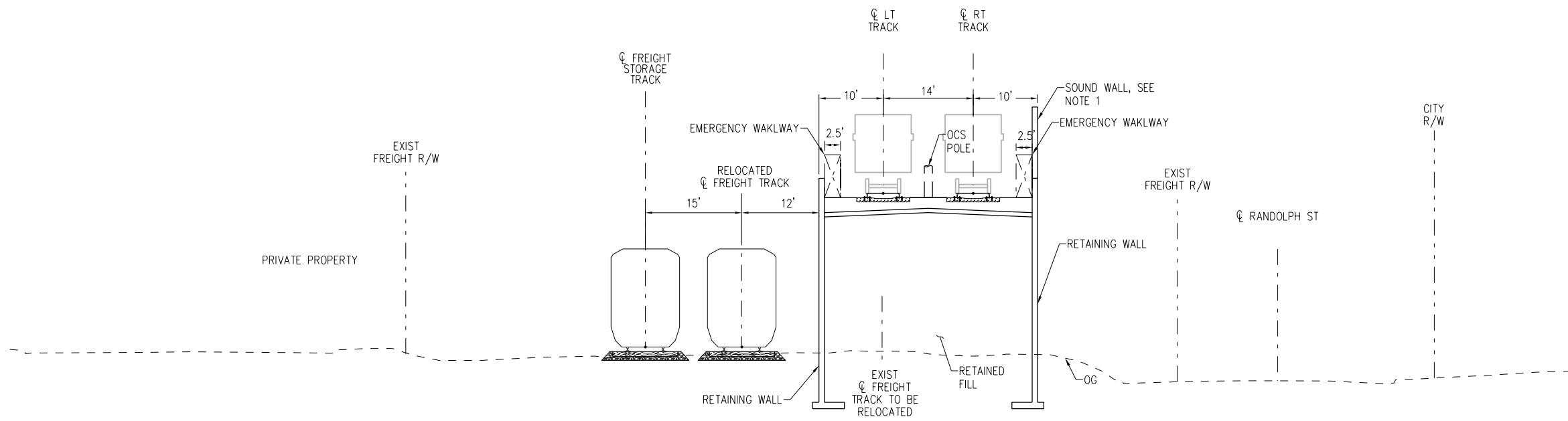
**NOT FOR CONSTRUCTION**

**NOTE:**  
 1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**STA 774+00**

SCALE: NTS



**STA 785+00**

SCALE: NTS



15-DEC-2023 E-28091ATFX107.plt  
wspdw14-pw-svc 02:54

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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 JS	<p><b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b></p> <p><b>wsp</b> 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071</p>	CONTRACT NO <b>AE5999300</b>
		DRAWN BY HX		DRAWING NO <b>TFX-107</b>
		CHECKED BY JSP		SCALE <b>NO SCALE</b>
		IN CHARGE RL		SHEET NO <b>72</b>
1	3/17/2023	DATE 3/17/2023		OF <b>96</b>

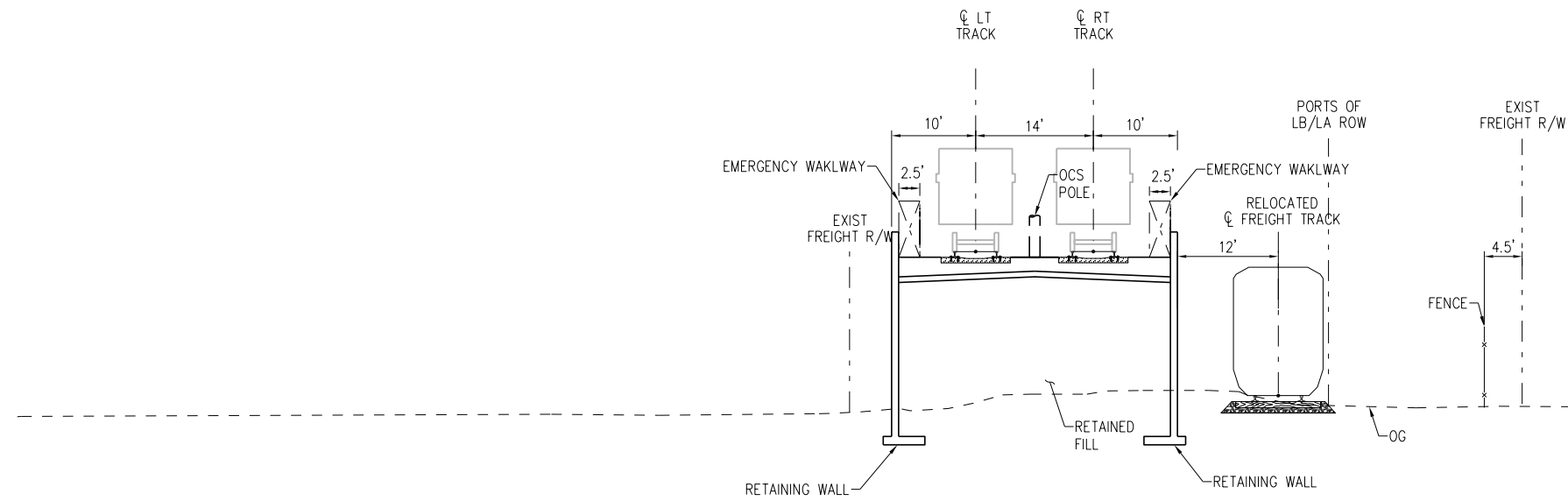
FINAL FREIGHT PLAN SUBMITTAL
------------------------------

<p><b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b></p> <p><b>wsp</b> 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071</p>	SUBMITTED _____ APPROVED _____
---	-----------------------------------

<b>WEST SANTA ANA BRANCH FREIGHT TRACK</b>	
<b>FREIGHT NORTHERN ALIGNMENT TYPICAL SECTIONS</b>	

**NOT FOR CONSTRUCTION**

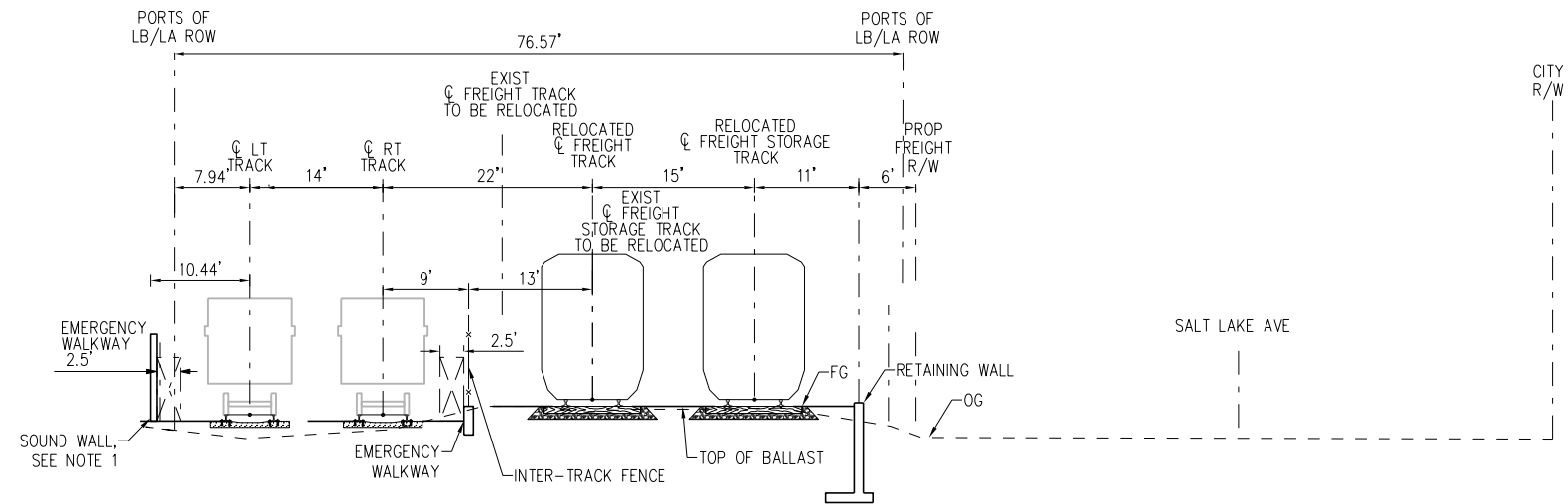
**NOTE:**  
 1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**STA 794+00**

SCALE: NTS

**0**  
TF-116



**SECTION 804+00**

SCALE: NTS

**P**  
TF-201

15-DEC-2023 E-28091ATFX108.plg  
wspw14-pw-svc 02:59

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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 JS	
		DRAWN BY HX	
		CHECKED BY JSP	
		IN CHARGE RL	
		DATE 3/17/2023	
1	3/17/2023		FINAL FREIGHT PLAN SUBMITTAL



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

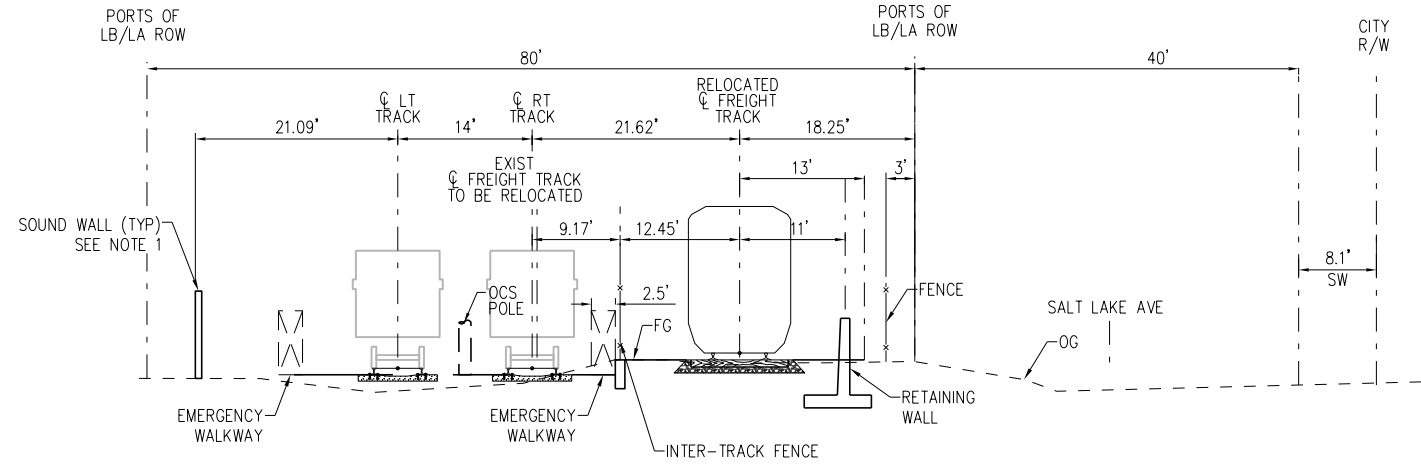
SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK  
 FREIGHT  
 NORTHERN ALIGNMENT  
 TYPICAL SECTIONS**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>TFX-108</b>	REV
SCALE <b>NO SCALE</b>	
SHEET NO <b>73</b>	OF <b>96</b>

**NOT FOR CONSTRUCTION**

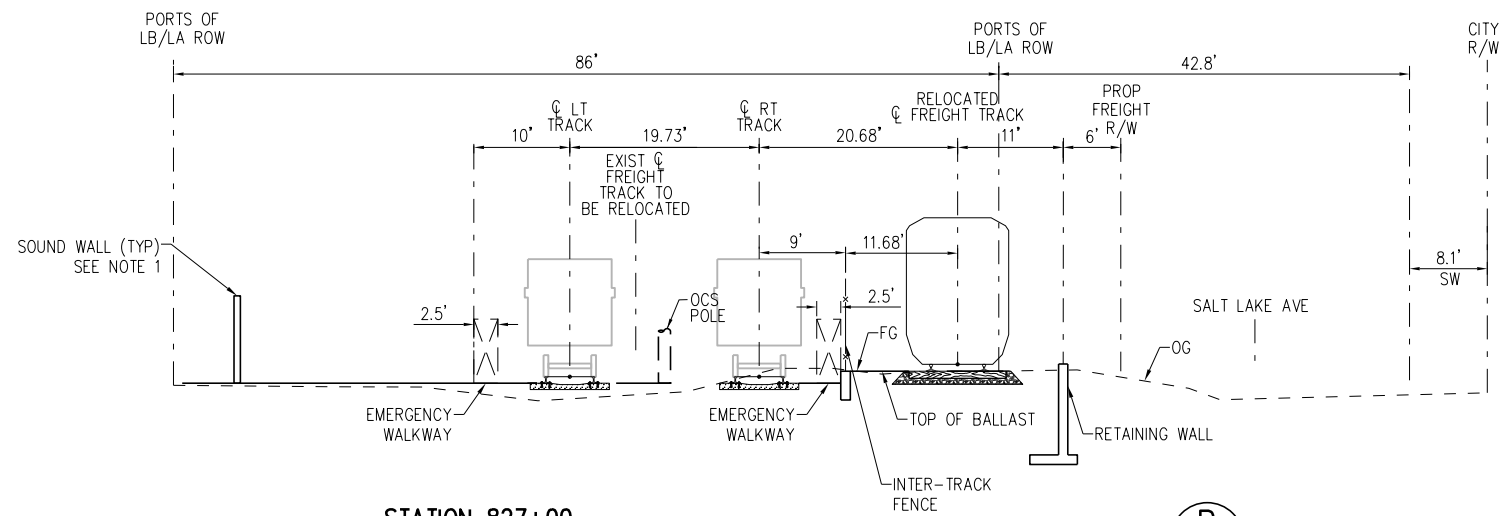
**NOTE:**  
 1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**STATION 817+00**

SCALE: NTS

Q  
TF-202



**STATION 827+00**

SCALE: NTS

R  
TF-203

15-DEC-2023 E-28091ATFX109.plg

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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 JS
1	3/17/2023	DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
		DATE 3/17/2023
		FINAL FREIGHT PLAN SUBMITTAL



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

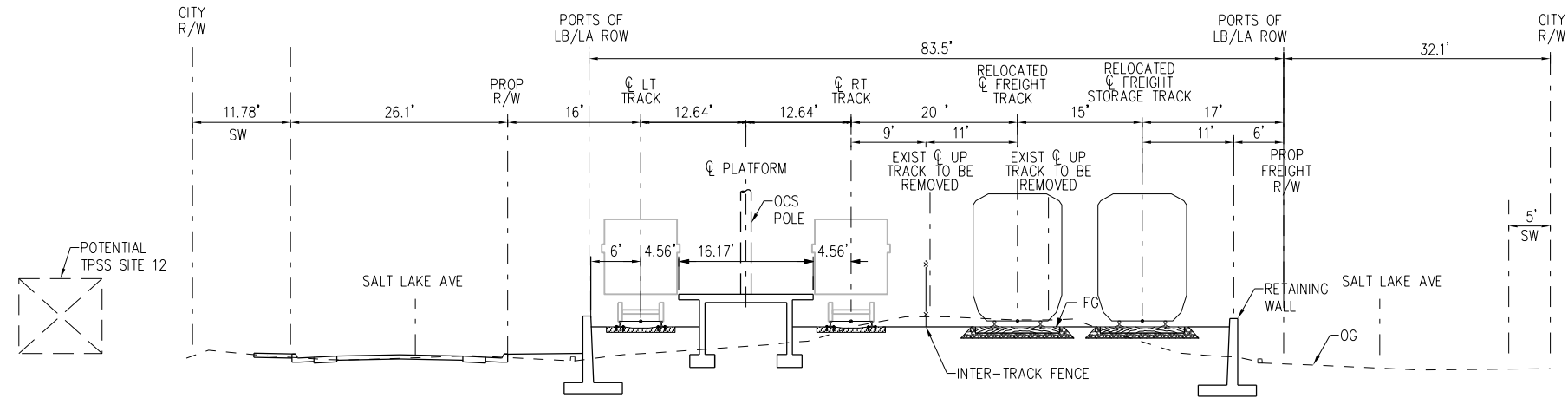
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH FREIGHT TRACK  
 FREIGHT  
 NORTHERN ALIGNMENT  
 TYPICAL SECTIONS**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>TFX-109</b>	REV
SCALE <b>NO SCALE</b>	
SHEET NO <b>74 OF 96</b>	

**NOTE:**  
 1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**834+00  
 FLORENCE/SALT LAKE STATION**

SCALE: NTS



15-DEC-2023 E-28091ATFX110.plg

wspw14\_pw-svc 02:56

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023
	FINAL FREIGHT PLAN SUBMITTAL


**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**

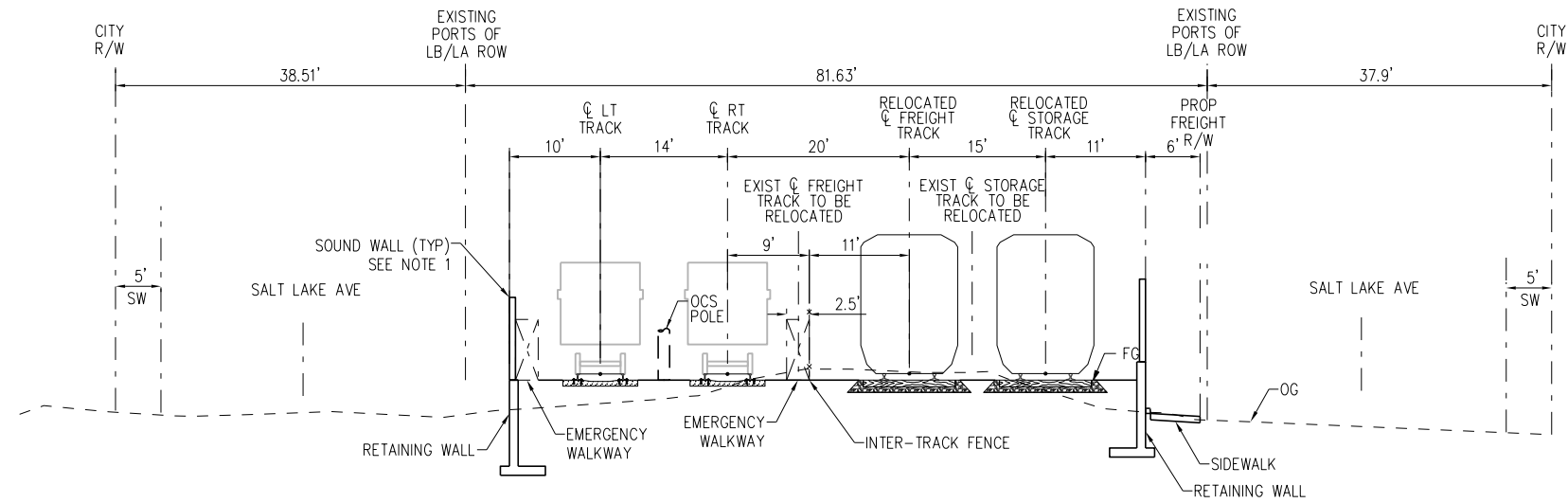
**FREIGHT NORTHERN ALIGNMENT TYPICAL SECTIONS**

CONTRACT NO	AE5999300
DRAWING NO	TFX-110
SCALE	NO SCALE
SHEET NO	75 OF 96

**NOT FOR CONSTRUCTION**

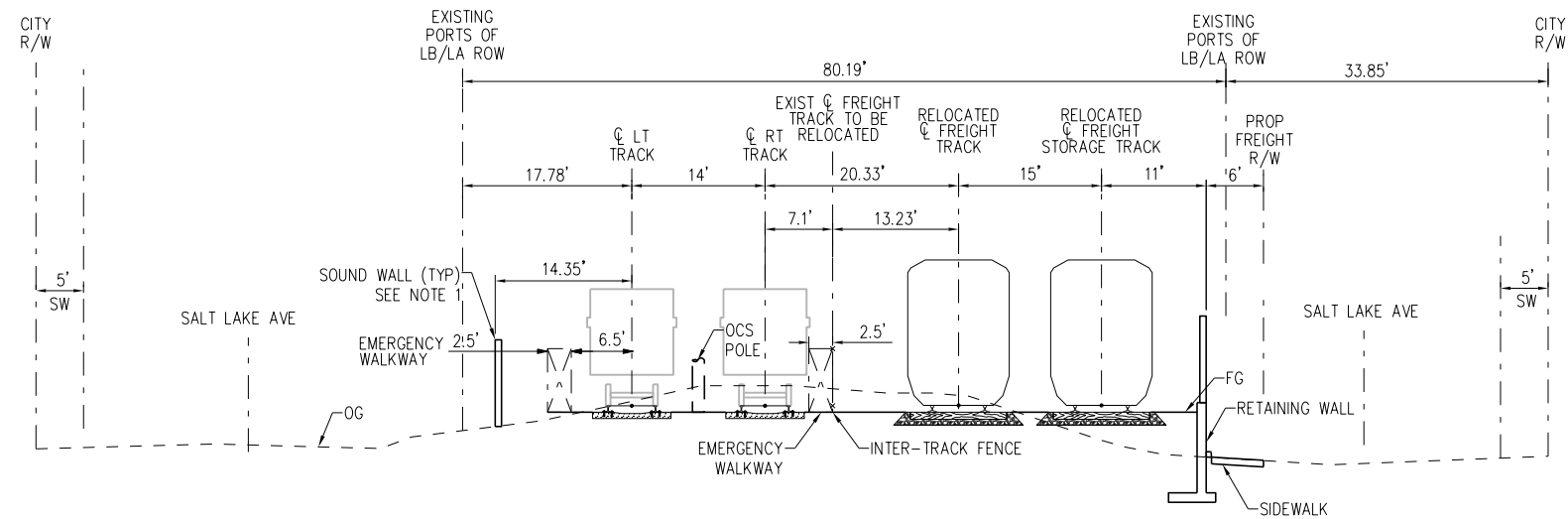


**NOTE:**  
 1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**SECTION 844+00**

SCALE: NTS



**SECTION 854+00**

SCALE: NTS



15-DEC-2023 E-28091ATFX111.plg

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

1	3/17/2023								
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**Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**

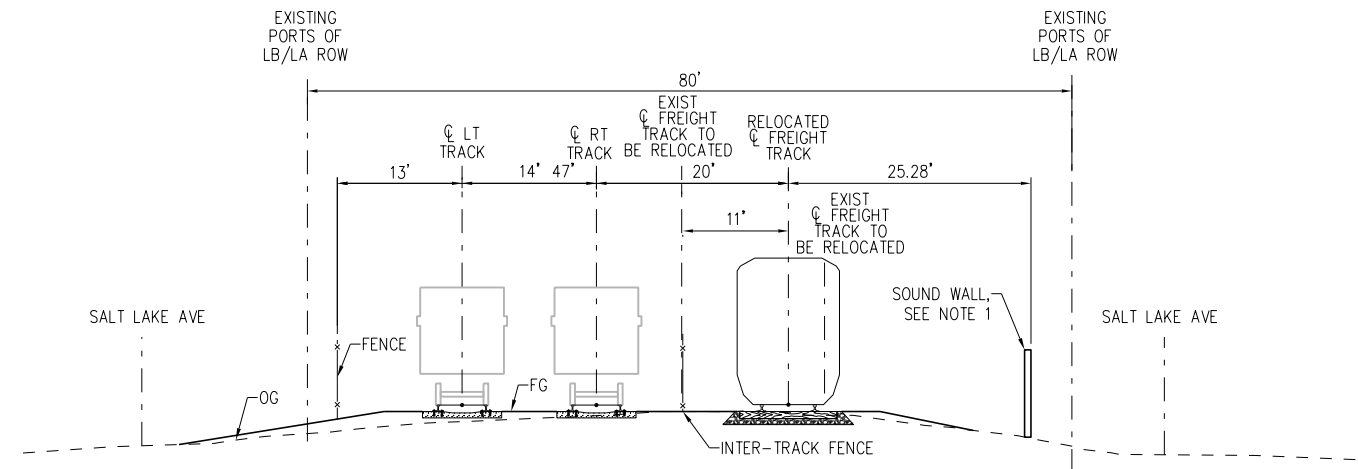
**FREIGHT NORTHERN ALIGNMENT TYPICAL SECTIONS**

CONTRACT NO	AE5999300
DRAWING NO	TFX-111
SCALE	NO SCALE
SHEET NO	76 OF 96

**NOT FOR CONSTRUCTION**

**NOTE:**

1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**SECTION 870+00**

SCALE: NTS



15-DEC-2023 E-28091ATFX112.plg  
wsppw14-pw-svc 02:58

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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 JS
1	3/17/2023	DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
		DATE 3/17/2023
		FINAL FREIGHT PLAN SUBMITTAL



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

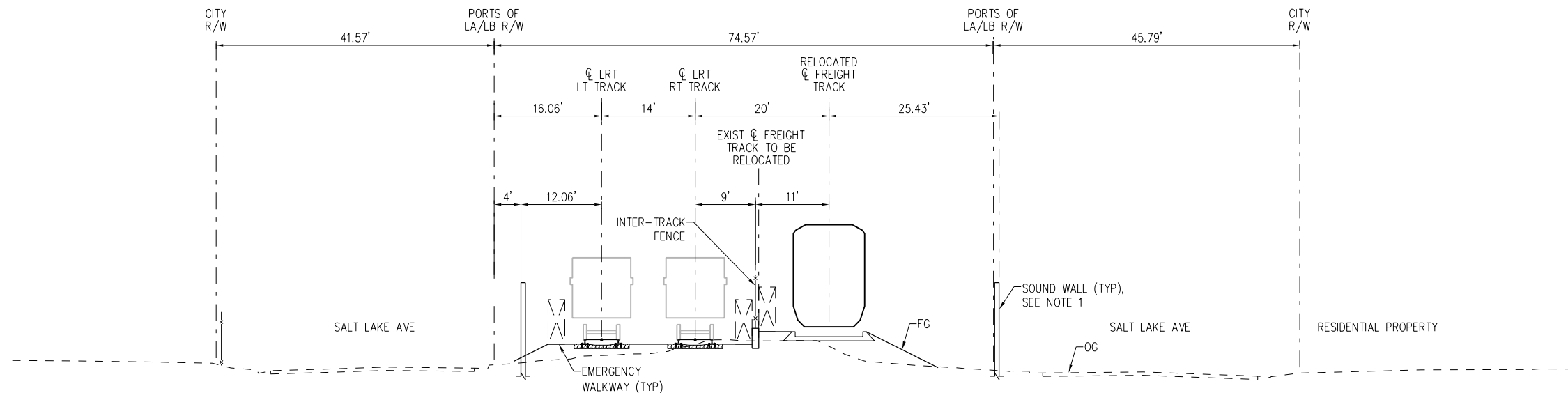
SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH FREIGHT TRACK  
FREIGHT  
NORTHERN ALIGNMENT  
TYPICAL SECTIONS**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>TFX-112</b>	REV
SCALE <b>NO SCALE</b>	
SHEET NO <b>77</b>	OF <b>96</b>

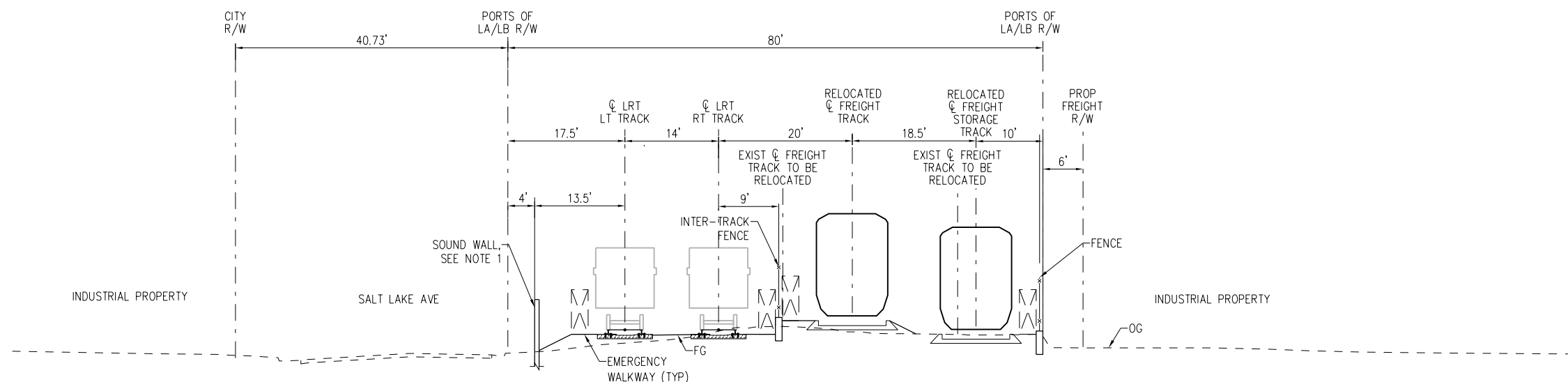
NOTES:  
 1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



STA 875+00

SCALE: NTS

AE  
TF-208



STA 887+00

SCALE: NTS

AF  
TF-210

15-DEC-2023 E-28091ATFX201.plg

FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023

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 JS	
		DRAWN BY HX	
		CHECKED BY JSP	
		IN CHARGE RL	
		DATE 3/17/2023	
1	3/17/2023		FINAL FREIGHT PLAN SUBMITTAL

<p><b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b></p>	<p>515 South Figueroa Street Suite 1400 Los Angeles, CA 90071</p>
--	---

	SUBMITTED _____ APPROVED _____
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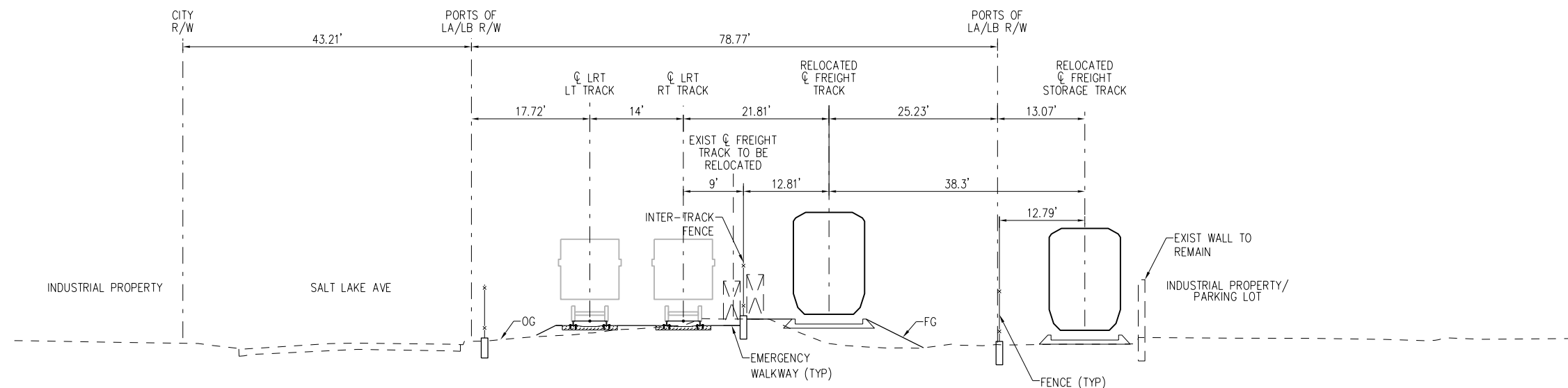
WEST SANTA ANA BRANCH FREIGHT TRACK  
 FREIGHT SOUTHERN ALIGNMENT  
 TYPICAL SECTIONS

CONTRACT NO. AE5999300	REV
DRAWING NO. TFX-201	
SCALE NO SCALE	
SHEET NO. 78 OF 96	

**NOT FOR CONSTRUCTION**

**NOTES:**

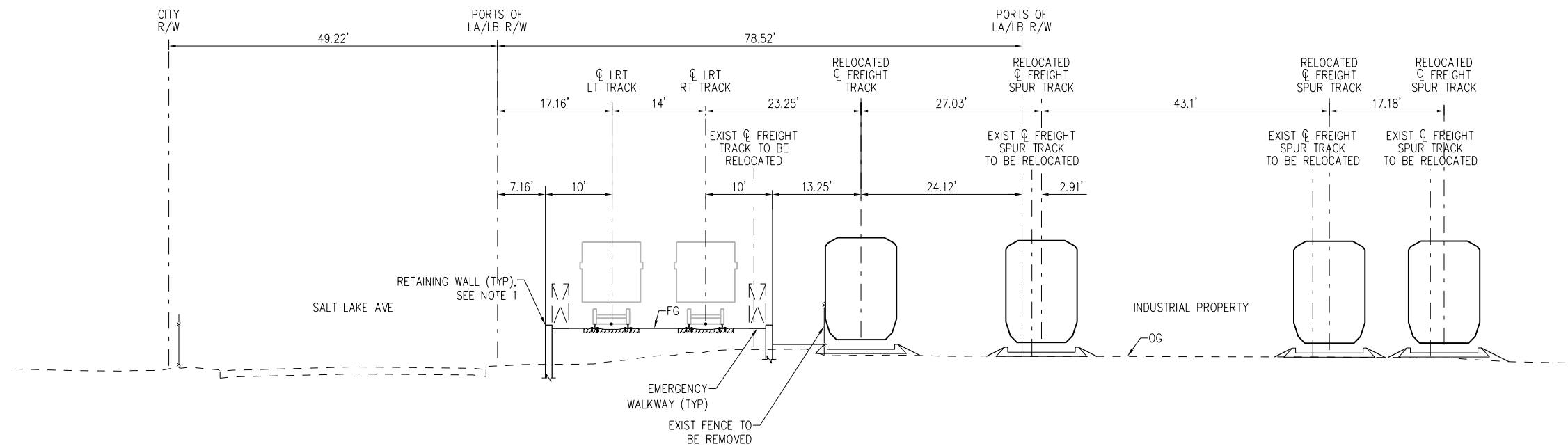
1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**STA 897+00**

SCALE: NTS

AG  
TF-211



**STA 905+00**

SCALE: NTS

AH  
TF-212

15-DEC-2023 E-28091ATFX202.plt

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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 JS
1	3/17/2023	DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
		DATE 3/17/2023
		FINAL FREIGHT PLAN SUBMITTAL



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

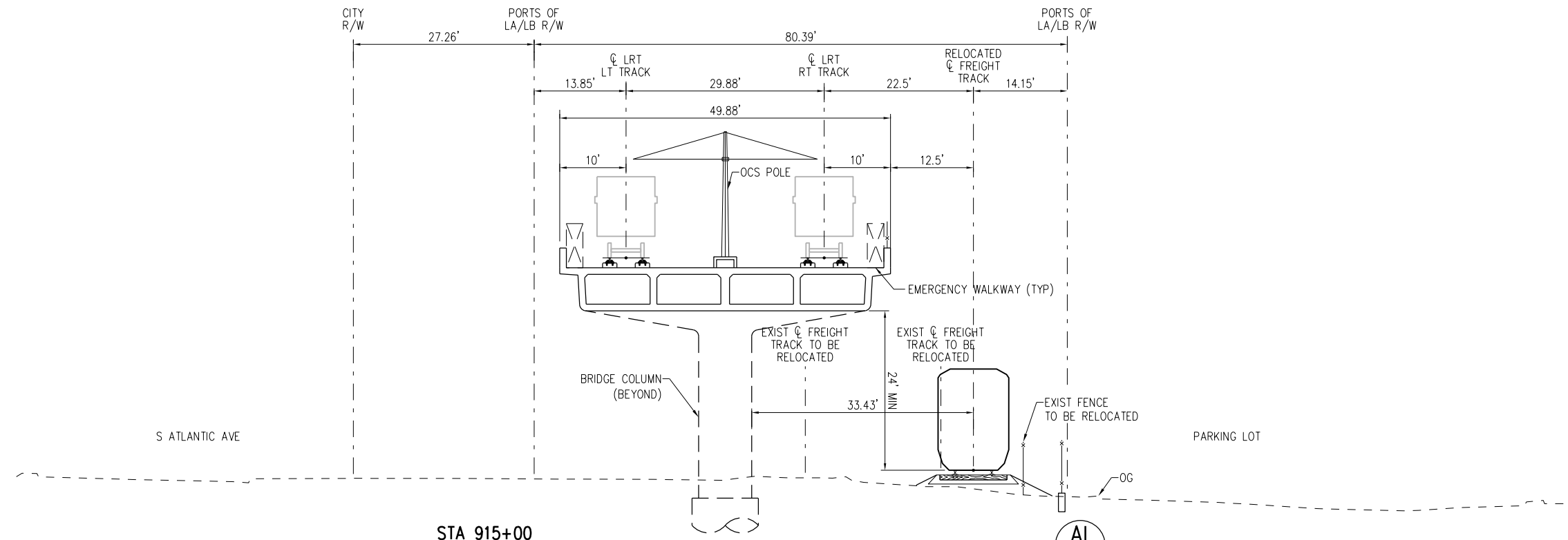
SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK  
FREIGHT  
SOUTHERN ALIGNMENT  
TYPICAL SECTIONS**

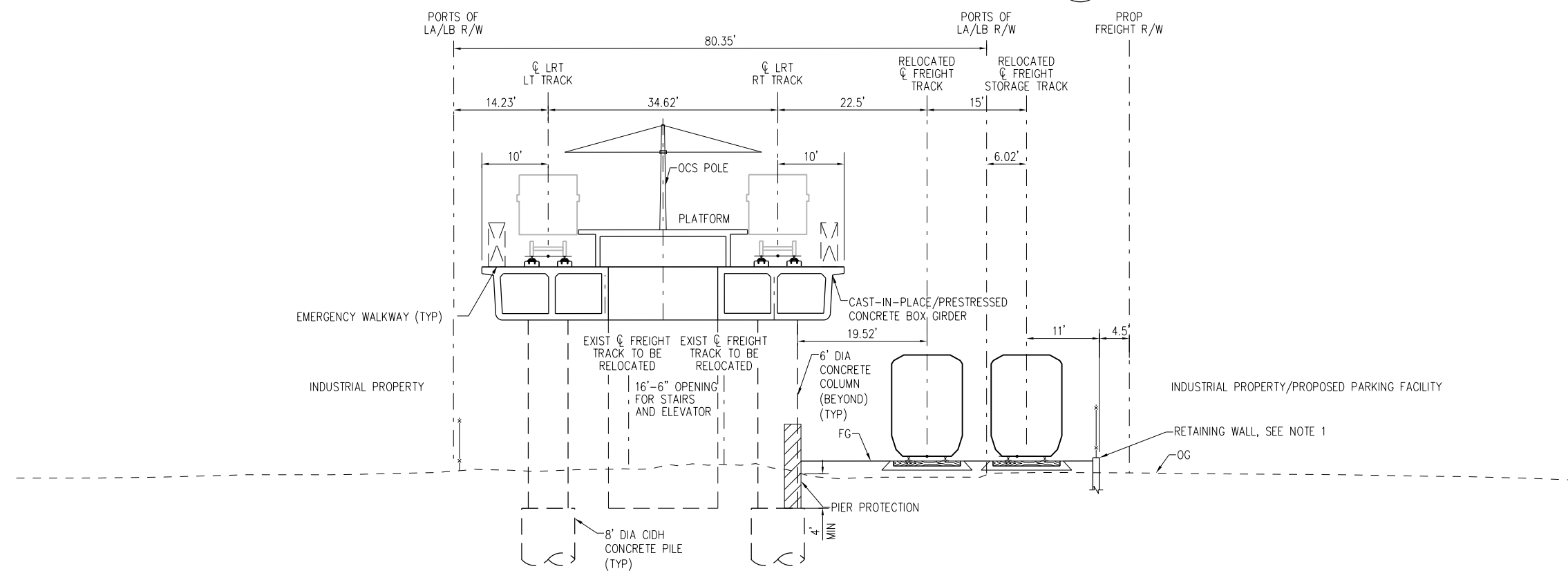
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DRAWING NO <b>TFX-202</b>	REV
SCALE <b>NO SCALE</b>	
SHEET NO <b>79 OF 96</b>	

**NOT FOR CONSTRUCTION**

**NOTES:**  
 1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**STA 915+00**  
 SCALE: NTS  
 AI TF-213



**STA 924+50 FIRESTONE STATION**  
 SCALE: NTS  
 AJ TF-214

15-DEC-2023 E-28091ATFX203.plg  
 wspdw14-pw-svc 02:55

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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 JS	
		DRAWN BY HX	
		CHECKED BY JSP	
		IN CHARGE RL	
		DATE 3/17/2023	
1	3/17/2023		FINAL FREIGHT PLAN SUBMITTAL

**Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

**NOT FOR CONSTRUCTION**

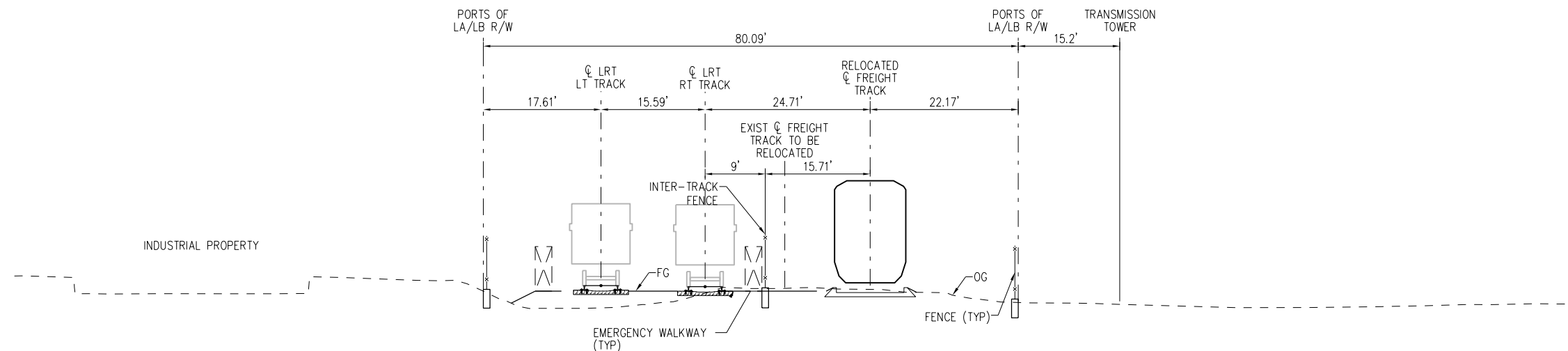
WEST SANTA ANA BRANCH FREIGHT TRACK  
 FREIGHT SOUTHERN ALIGNMENT  
 TYPICAL SECTIONS

CONTRACT NO. AE5999300  
 DRAWING NO. TFX-203  
 SCALE: NO SCALE  
 SHEET NO. 80 OF 96

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**NOTES:**

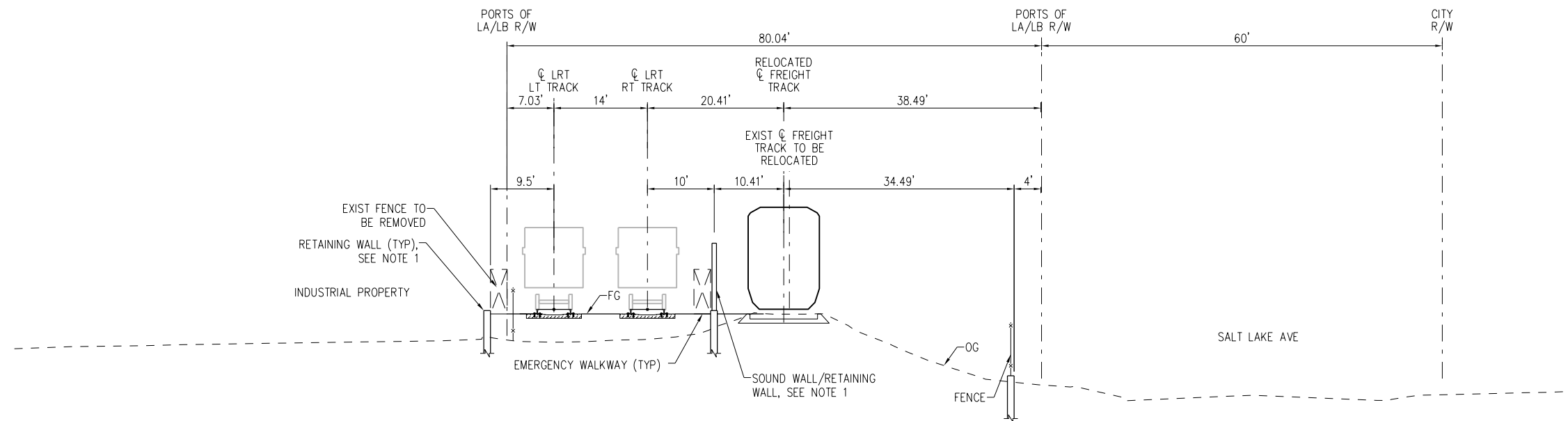
- FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**STA 946+50**

SCALE: NTS

AK  
TF-216



**STA 966+50**

SCALE: NTS

AL  
TF-218

15-DEC-2023 E-28091ATFX204.plg

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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 JS	
		DRAWN BY HX	
		CHECKED BY JSP	
		IN CHARGE RL	
		DATE 3/17/2023	
1	3/17/2023		FINAL FREIGHT PLAN SUBMITTAL

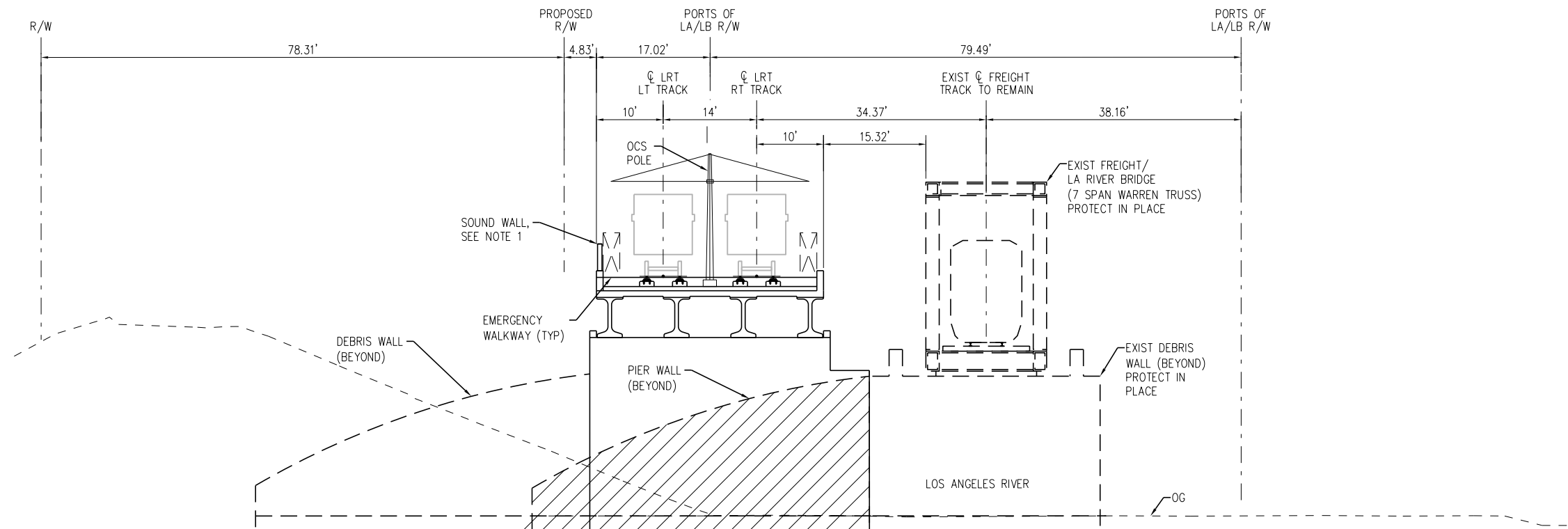
<b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>	
515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	SUBMITTED _____ APPROVED _____

<b>WEST SANTA ANA BRANCH FREIGHT TRACK</b> FREIGHT SOUTHERN ALIGNMENT TYPICAL SECTIONS	
CONTRACT NO. AE5999300	REV
DRAWING NO. TFX-204	
SCALE NO SCALE	
SHEET NO. 81	OF 96

**NOT FOR CONSTRUCTION**

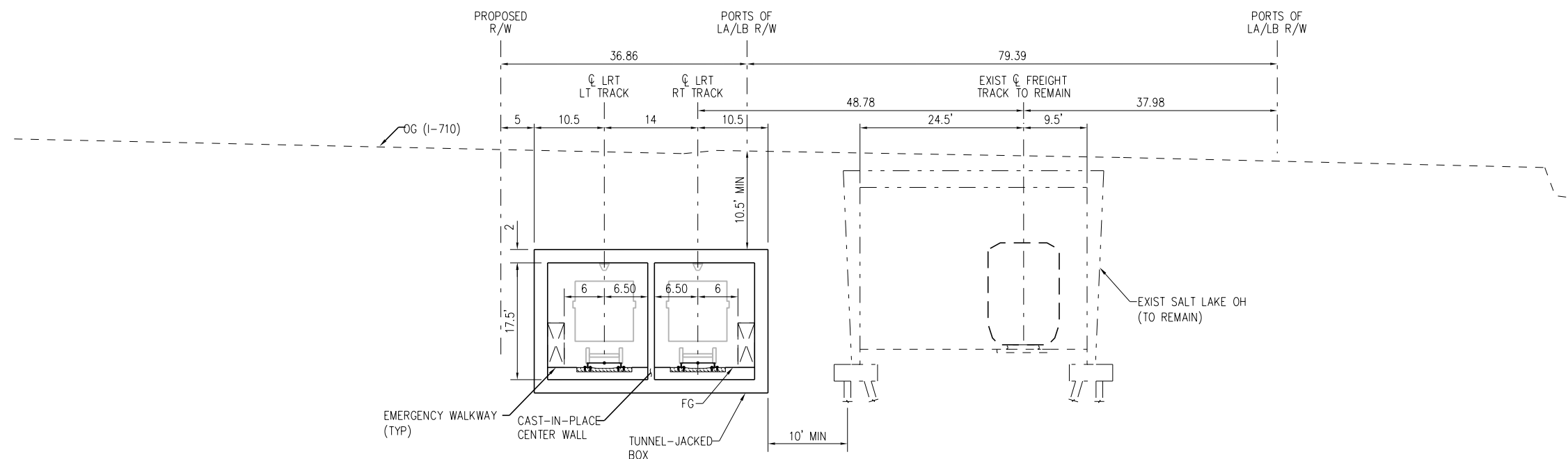
**NOTES:**

1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**STA 976+50**

SCALE: NTS



**STA 987+50**

SCALE: NTS



15-DEC-2023 E-28091ATFX205.plg

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

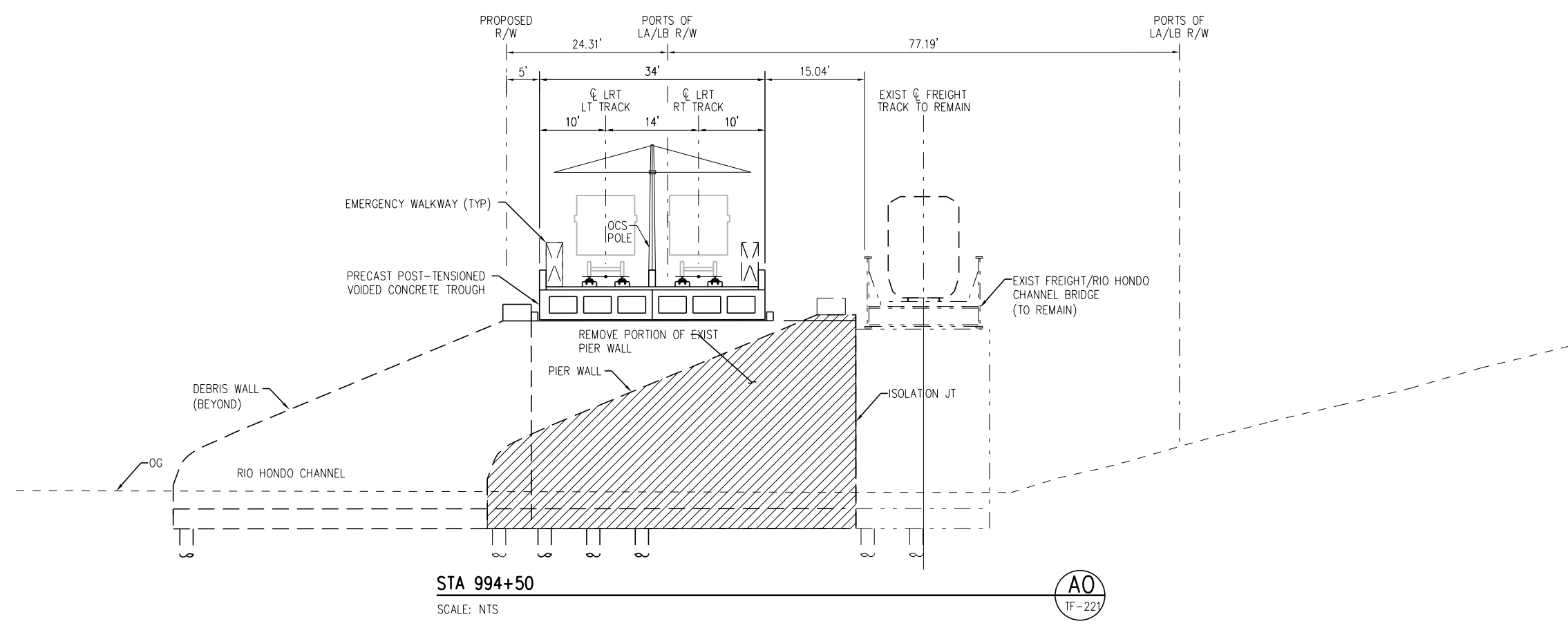
**WEST SANTA ANA BRANCH FREIGHT TRACK**

**FREIGHT SOUTHERN ALIGNMENT TYPICAL SECTIONS**

CONTRACT NO	AE5999300
DRAWING NO	TFX-205
SCALE	NO SCALE
SHEET NO	82 OF 96

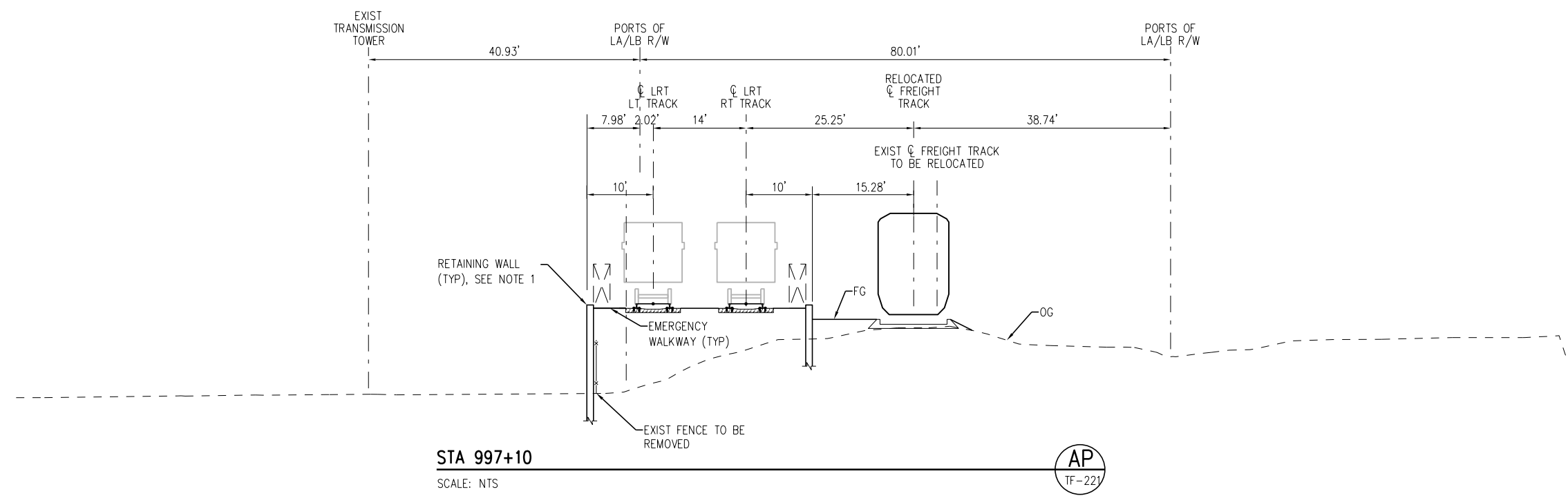
**NOT FOR CONSTRUCTION**

**NOTES:**  
 1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**STA 994+50**  
 SCALE: NTS

**AO**  
 TF-221



**STA 997+10**  
 SCALE: NTS

**AP**  
 TF-221

15-DEC-2023 E-28091ATFX206.plg

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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.	
1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

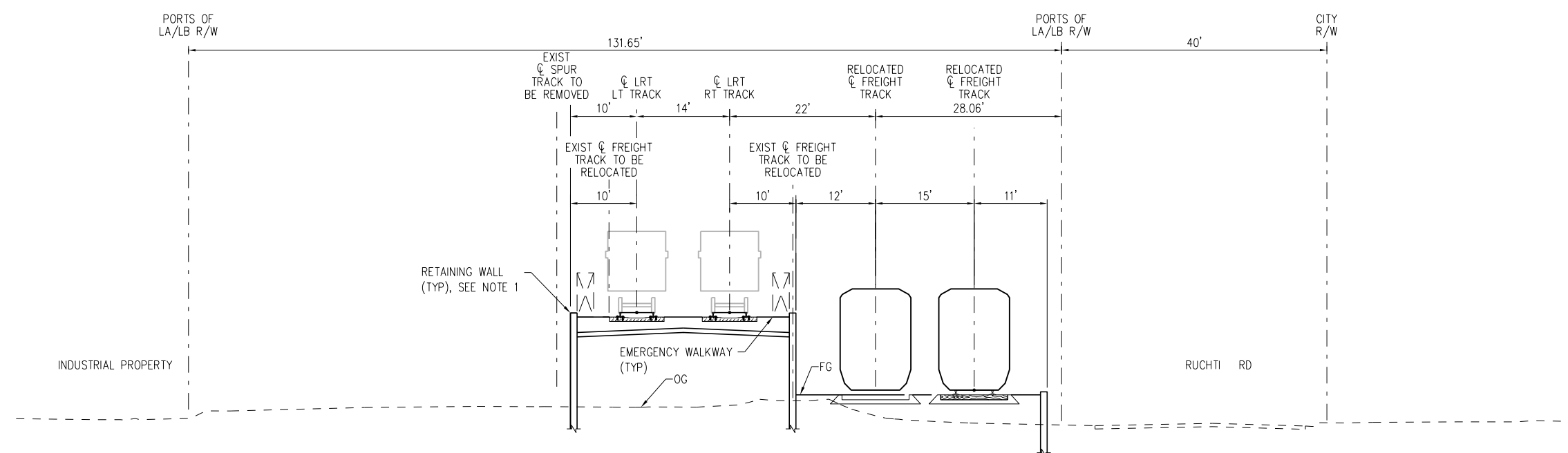
**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT SOUTHERN ALIGNMENT**  
**TYPICAL SECTIONS**

CONTRACT NO	AE5999300
DRAWING NO	TFX-206
SCALE	NO SCALE
SHEET NO	83 OF 96

**NOT FOR CONSTRUCTION**

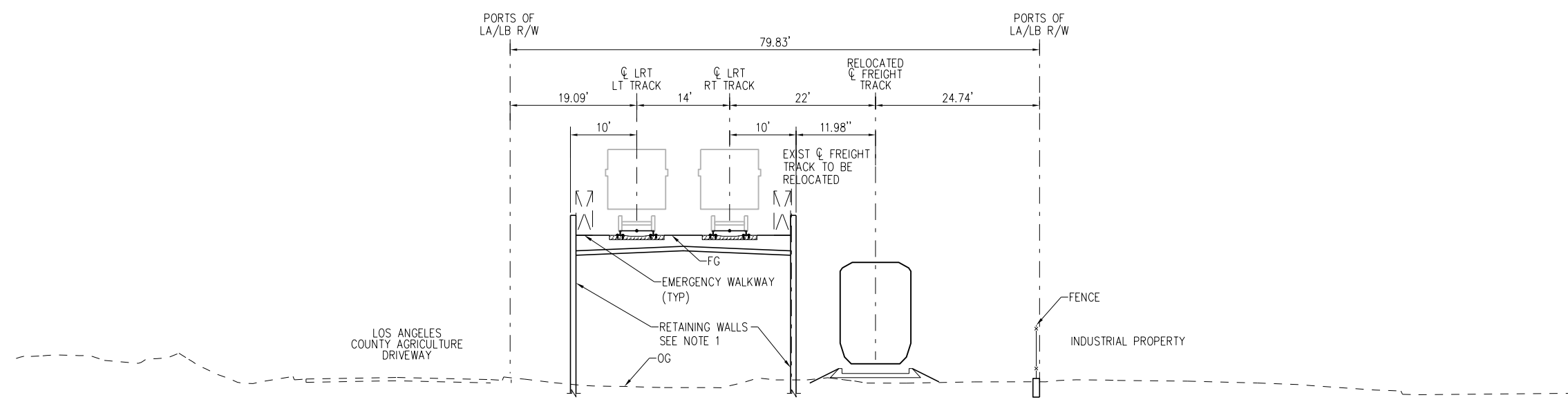


**NOTES:**  
 1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**STA 1013+75**  
 SCALE: NTS

AQ  
TF-223



**STA 1026+00**  
 SCALE: NTS

AR  
TF-224

15-DEC-2023 E-28091ATFX207.plg

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

CONTRACT NO. AE5999300

DRAWING NO. TFX-207

SCALE: NO SCALE

SHEET NO. 84 OF 96

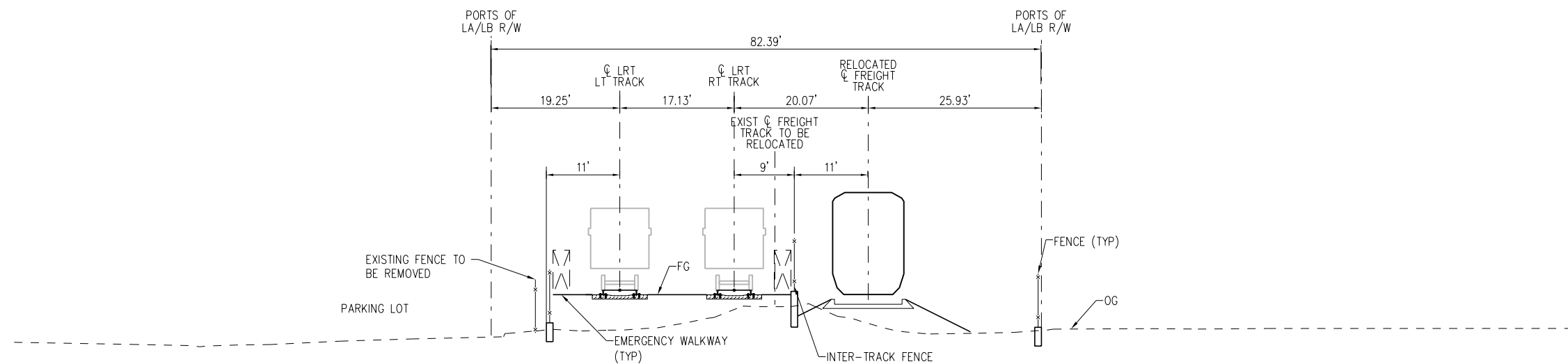
WEST SANTA ANA BRANCH FREIGHT TRACK  
 FREIGHT SOUTHERN ALIGNMENT  
 TYPICAL SECTIONS

APPROVED: \_\_\_\_\_

**NOT FOR CONSTRUCTION**

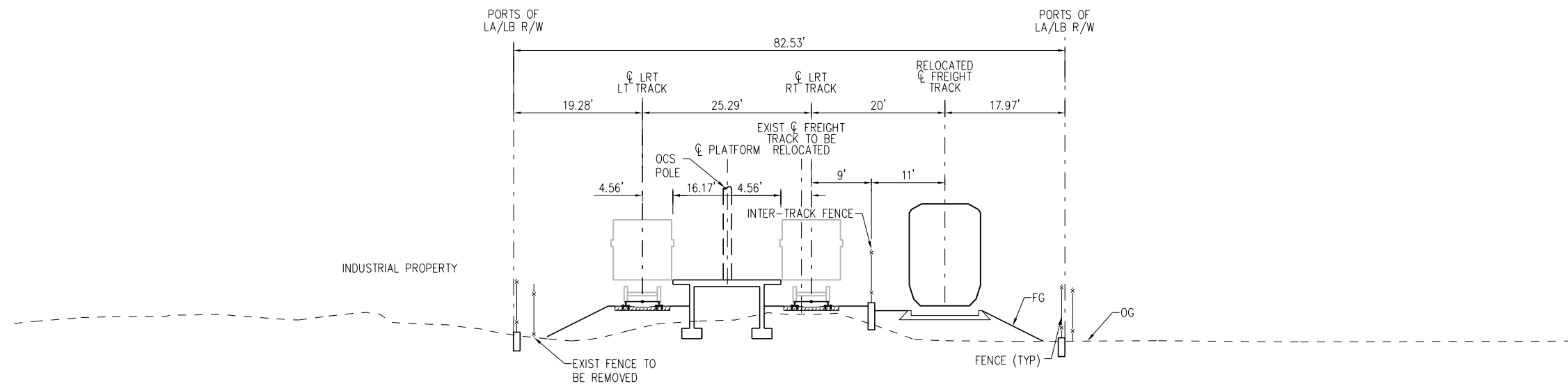
**NOTES:**

1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.
- 2.



**STA 1038+00**

SCALE: NTS





**STA 1047+00 GARDENDALE STATION**

SCALE: NTS



15-DEC-2023 E-28091ATFX208.plt

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

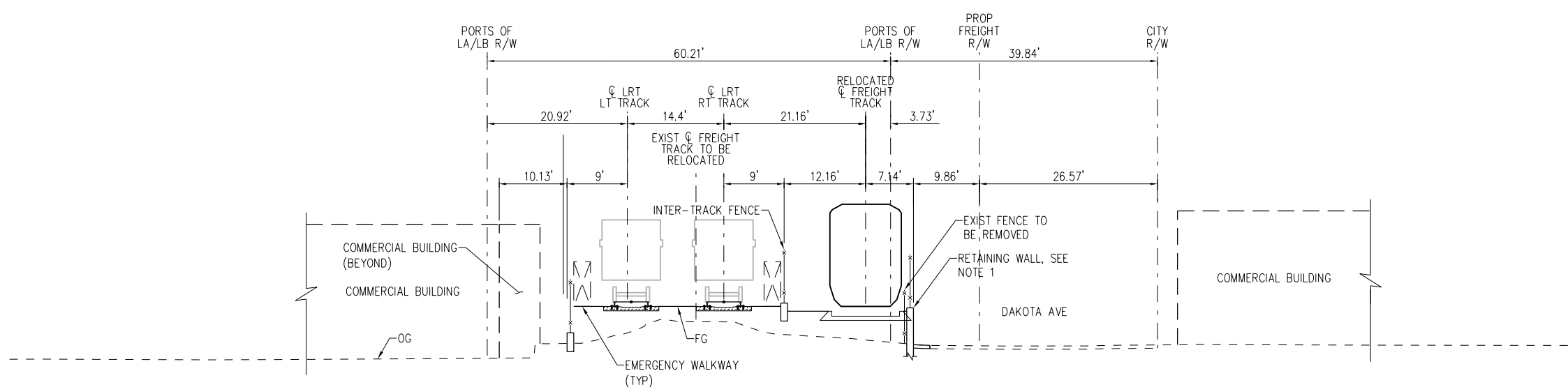
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY JS	 <b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>   515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	CONTRACT NO <b>AE5999300</b>
		DRAWN BY HX		DRAWING NO <b>TFX-208</b>
		CHECKED BY JSP		SCALE <b>NO SCALE</b>
		IN CHARGE RL		SHEET NO <b>85 OF 96</b>
1	3/17/2023	DATE 3/17/2023		

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT SOUTHERN ALIGNMENT**  
**TYPICAL SECTIONS**

**NOTES:**

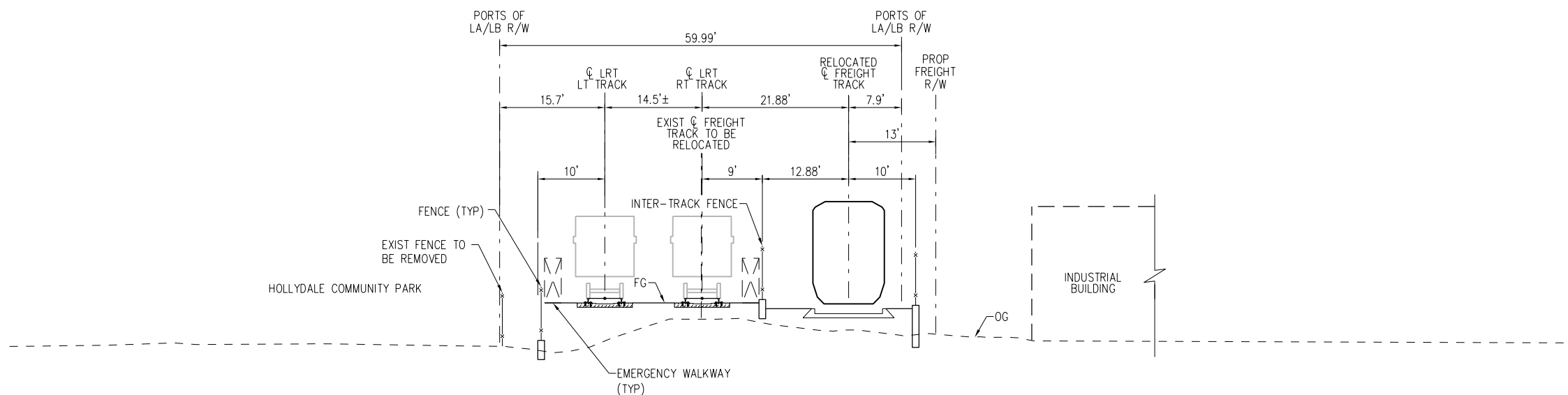
1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**STA 1060+00**

SCALE: NTS

**AU**  
TF-228



**STA 1069+00**

SCALE: NTS

**AV**  
TF-229

15-DEC-2023 E-28091ATFX209.plg  
wsppw14\_pw-svc 02:55

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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 JS	
		DRAWN BY HX	
		CHECKED BY JSP	
		IN CHARGE RL	
		DATE 3/17/2023	
1	3/17/2023		FINAL FREIGHT PLAN SUBMITTAL


**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

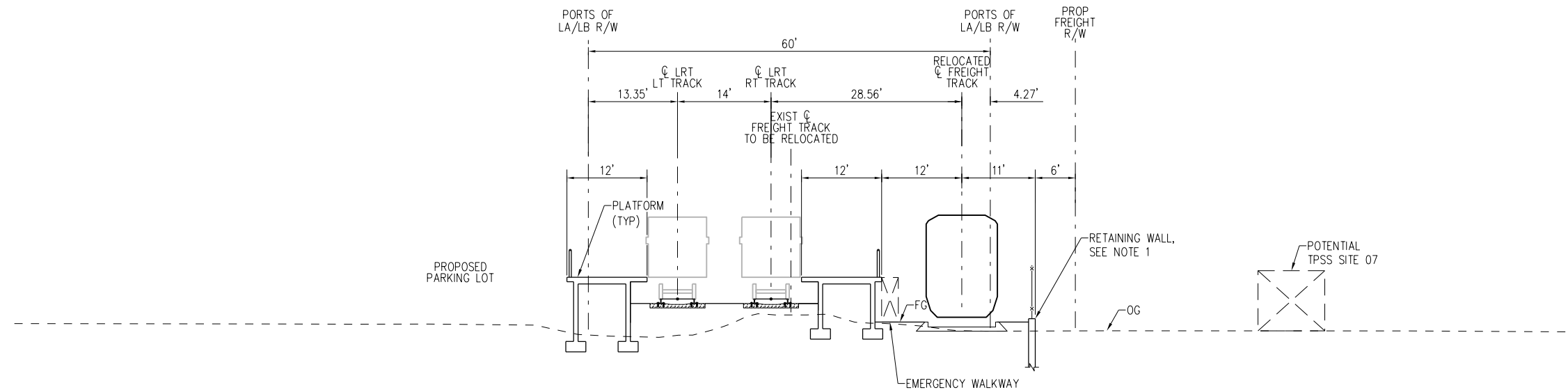
**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT SOUTHERN ALIGNMENT**  
**TYPICAL SECTIONS**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>TFX-209</b>	REV
SCALE NO SCALE	
SHEET NO 86 OF 96	

**NOT FOR CONSTRUCTION**

**NOTES:**

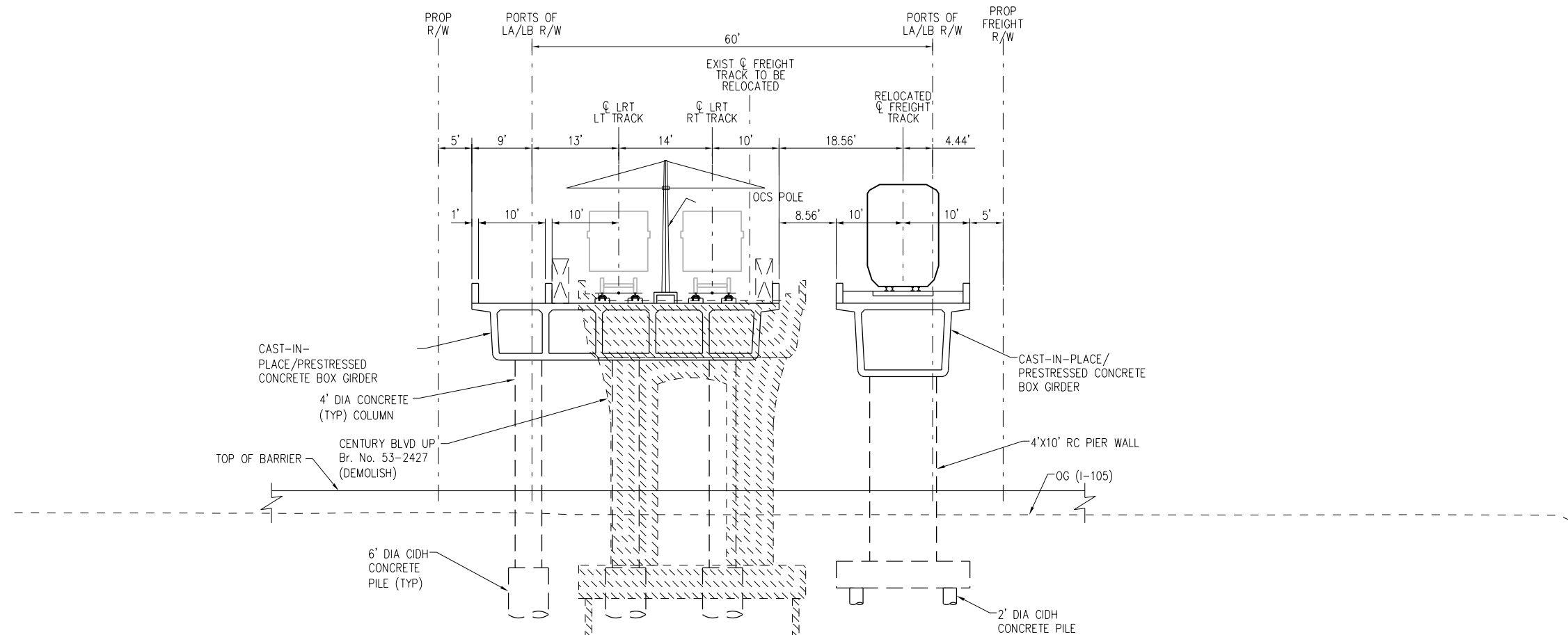
1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**STA 1080+50 I-105/C LINE STATION**

SCALE: NTS

**AW**  
TF-230



**STA 1087+00**

SCALE: NTS

**AX**  
TF-231

15-DEC-2023 E-28091ATFX210.plt  
wspdw14\_pw-svc 02:55

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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 JS	
		DRAWN BY HX	
		CHECKED BY JSP	
		IN CHARGE RL	
1	3/17/2023	DATE 3/17/2023	FINAL FREIGHT PLAN SUBMITTAL



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

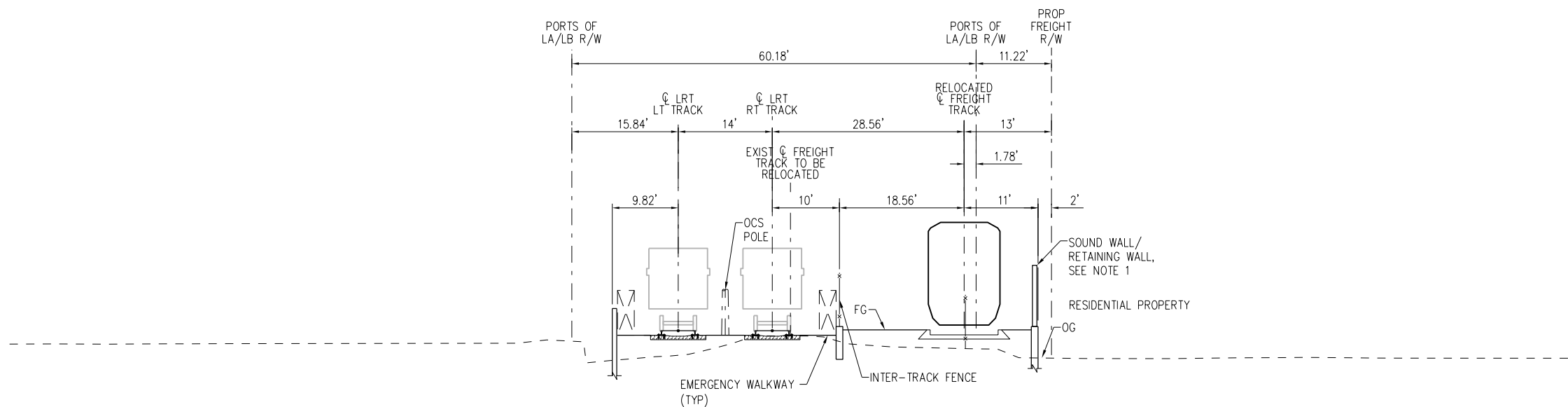
**WEST SANTA ANA BRANCH FREIGHT TRACK  
FREIGHT  
SOUTHERN ALIGNMENT  
TYPICAL SECTIONS**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>TFX-210</b>	REV
SCALE <b>NO SCALE</b>	
SHEET NO <b>87 OF 96</b>	

**NOT FOR CONSTRUCTION**

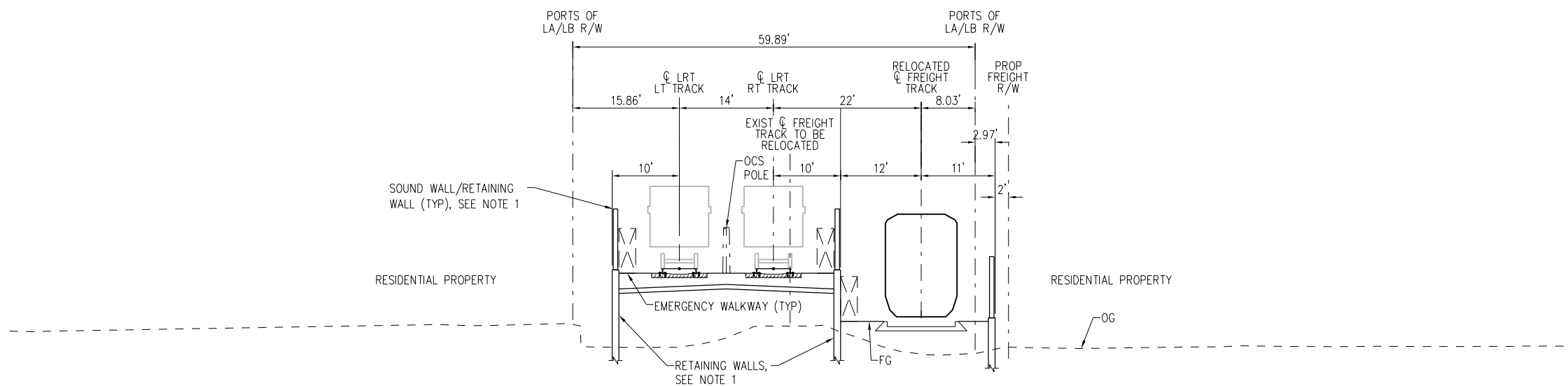
**NOTES:**

1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**STA 1089+80**

SCALE: NTS



**STA 1097+25**

SCALE: NTS



15-DEC-2023 E-28091ATFX211.plg

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023
1	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

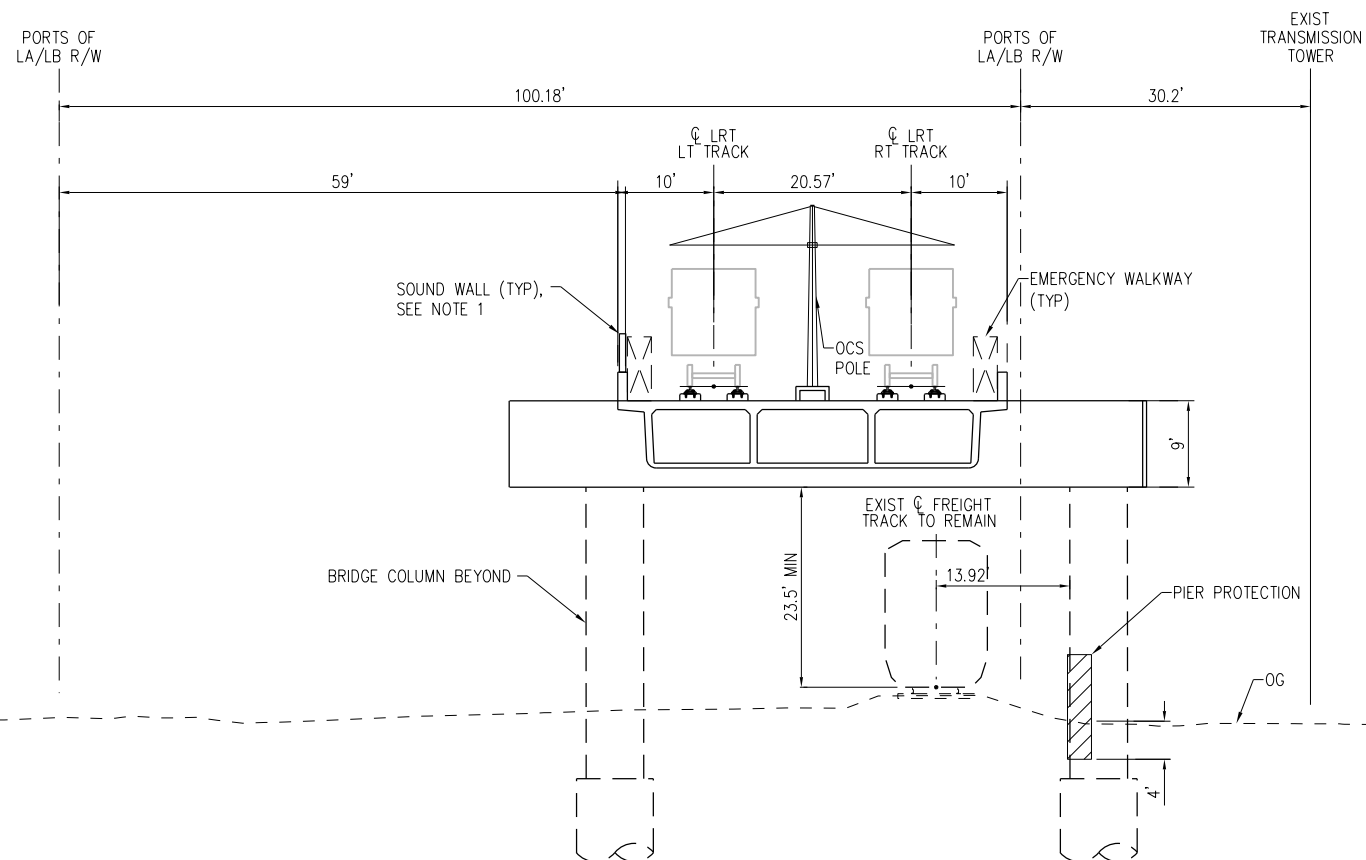
<p><b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b></p>
<p>515 South Figueroa Street Suite 1400 Los Angeles, CA 90071</p>

<p>WEST SANTA ANA BRANCH FREIGHT TRACK</p> <p>FREIGHT SOUTHERN ALIGNMENT TYPICAL SECTIONS</p>	<p>CONTRACT NO. AE5999300</p> <p>DRAWING NO. TFX-211</p> <p>SCALE: NO SCALE</p> <p>SHEET NO. 88 OF 96</p>
<p>SUBMITTED _____</p> <p>APPROVED _____</p>	<p>REV _____</p>

**NOT FOR CONSTRUCTION**

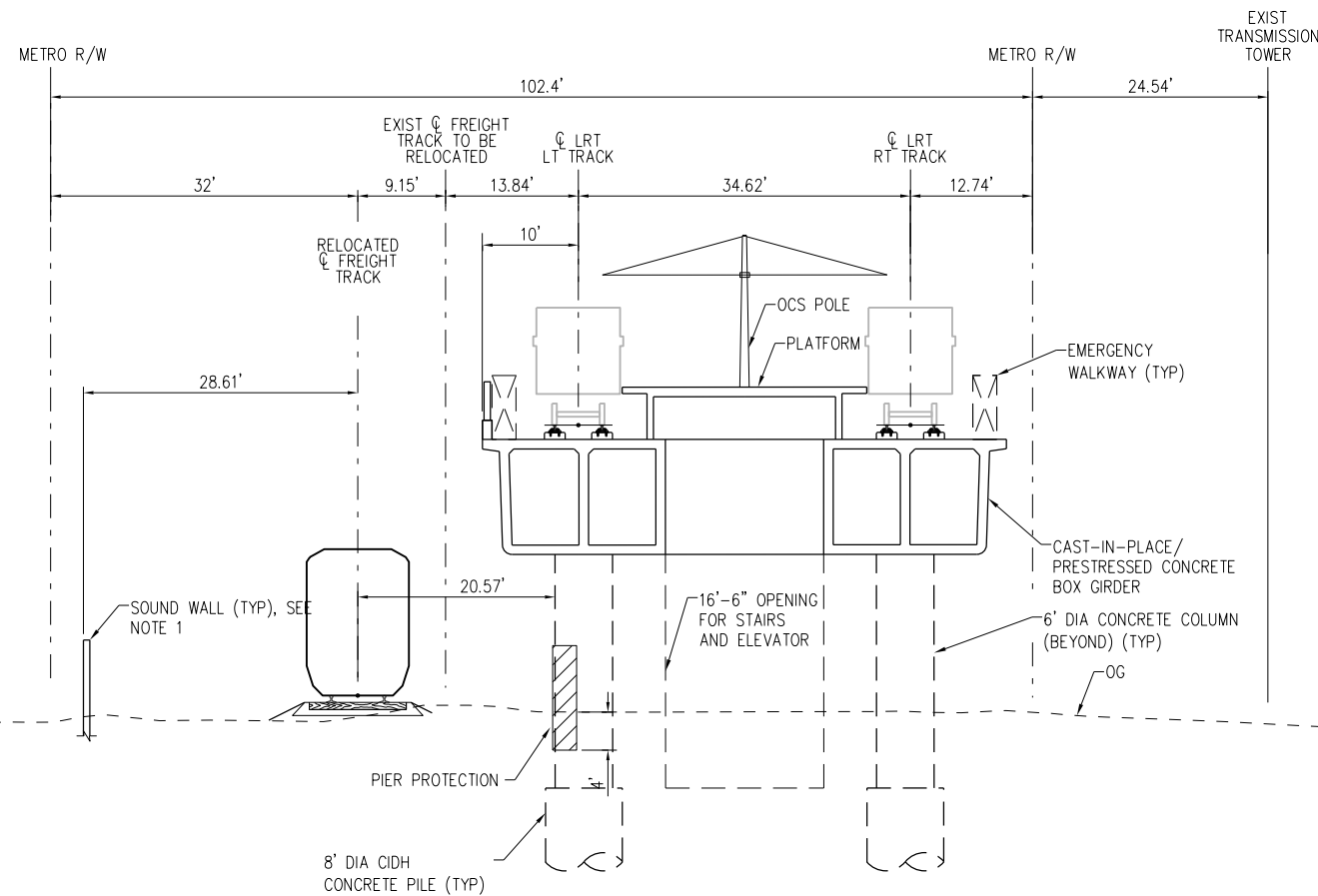
**NOTES:**

1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



STA 1111+14

SCALE: NTS



STA 1119+68 PARAMOUNT/ROSECRANS STATION

SCALE: NTS



15-DEC-2023 E-28091ATFX212.plg  
wspw14\_pw-svc 02:55

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023
FINAL FREIGHT PLAN SUBMITTAL	

<p><b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b></p>
<p>515 South Figueroa Street Suite 1400 Los Angeles, CA 90071</p>
SUBMITTED _____
APPROVED _____

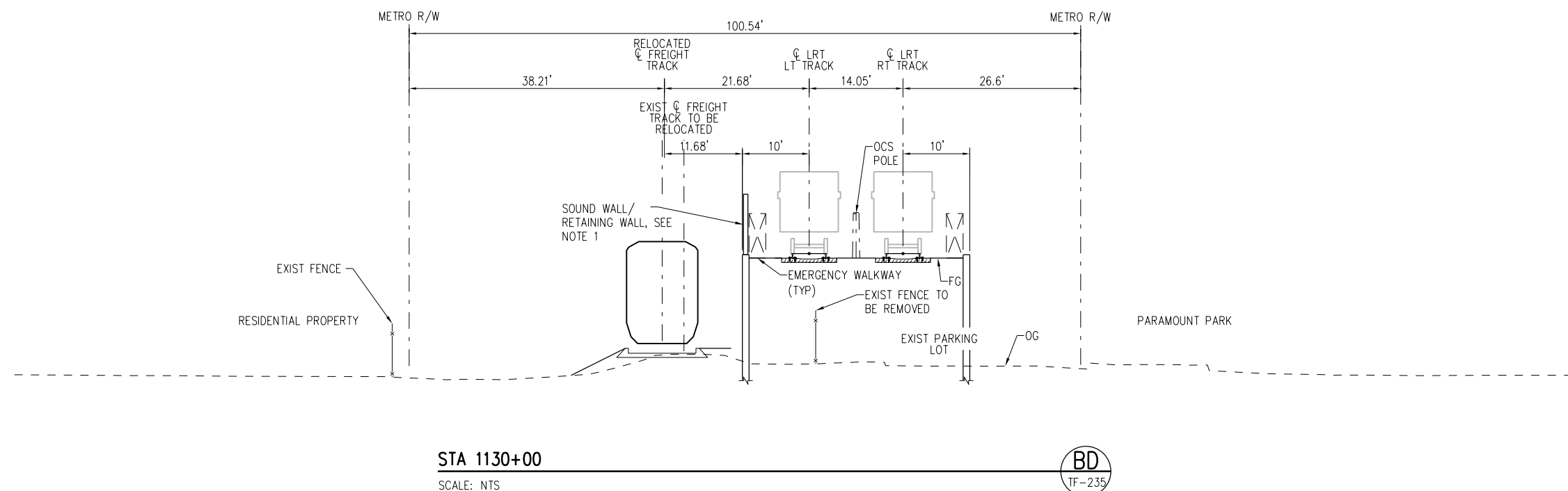
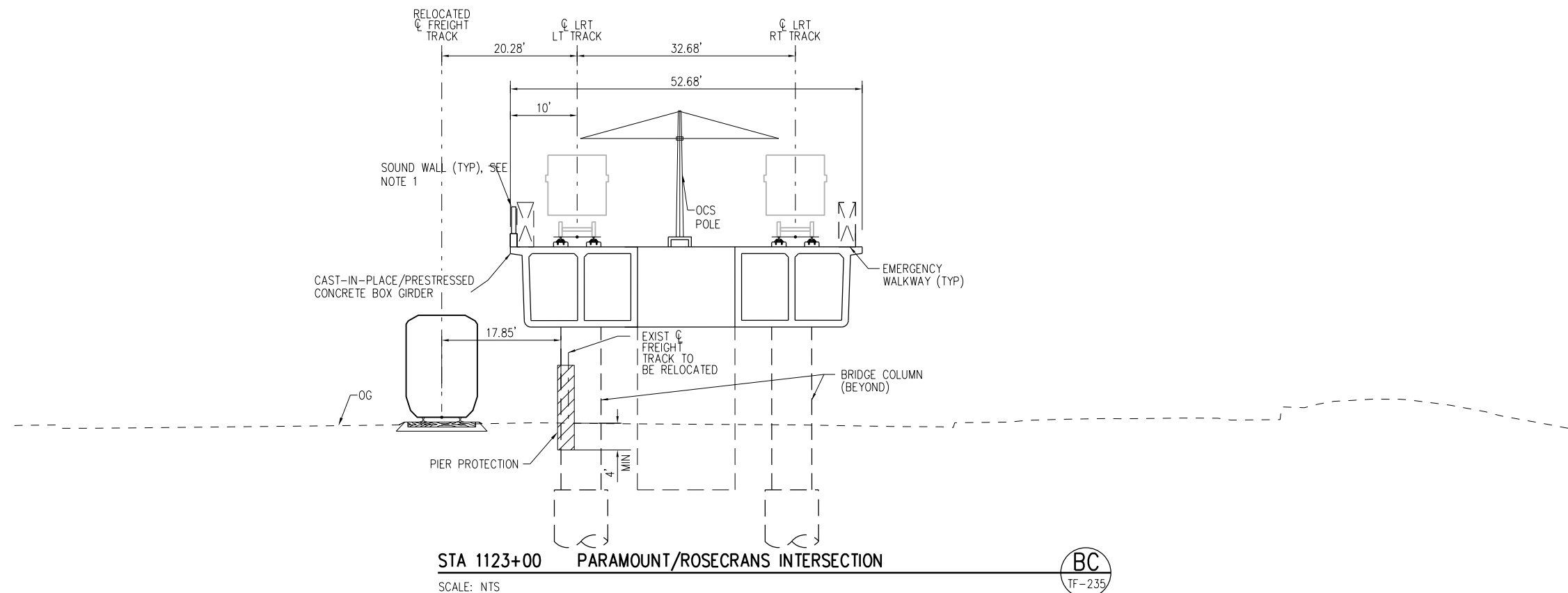
**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT SOUTHERN ALIGNMENT**  
**TYPICAL SECTIONS**

CONTRACT NO.	AE5999300
DRAWING NO.	TFX-212
SCALE	NO SCALE
SHEET NO.	89 OF 96

**NOT FOR CONSTRUCTION**

**NOTES:**

1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



15-DEC-2023 E-28091ATFX213.plg

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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 JS	
		DRAWN BY HX	
		CHECKED BY JSP	
		IN CHARGE RL	
1	3/17/2023	DATE 3/17/2023	FINAL FREIGHT PLAN SUBMITTAL

<p><b>Metro</b> LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>	<p>515 South Figueroa Street Suite 1400 Los Angeles, CA 90071</p>
--	---

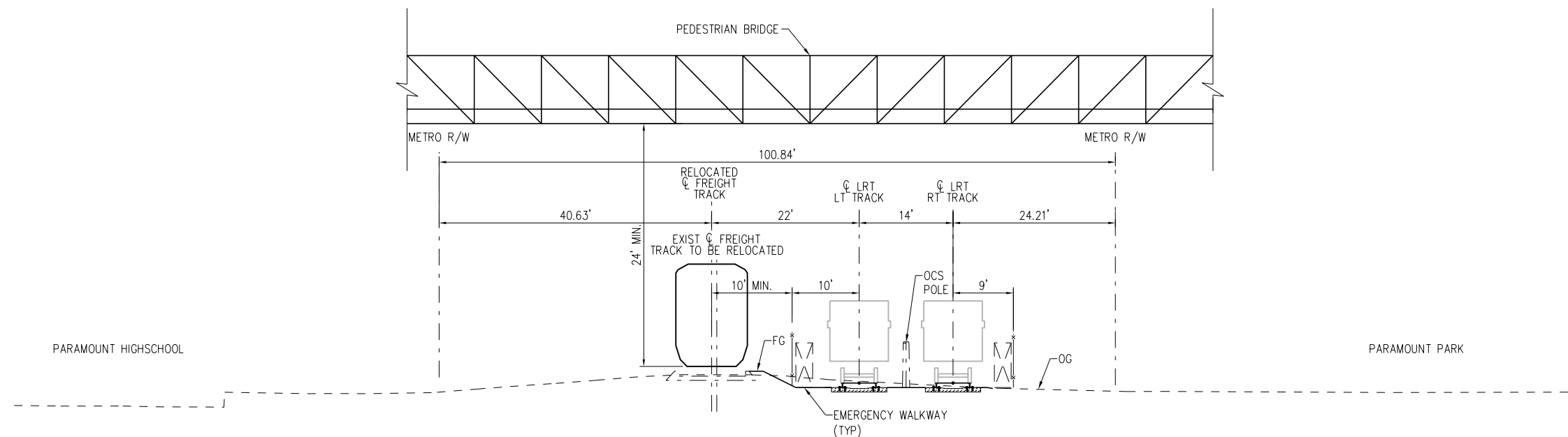
<p>515 South Figueroa Street Suite 1400 Los Angeles, CA 90071</p>	<p>SUBMITTED _____</p> <p>APPROVED _____</p>
---	--

<p><b>WEST SANTA ANA BRANCH FREIGHT TRACK</b></p> <p><b>FREIGHT SOUTHERN ALIGNMENT TYPICAL SECTIONS</b></p>	
CONTRACT NO.	AE5999300
DRAWING NO.	TFX-213
SCALE	NO SCALE
SHEET NO.	90 OF 96

<p><b>NOT FOR CONSTRUCTION</b></p>	
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**NOTES:**

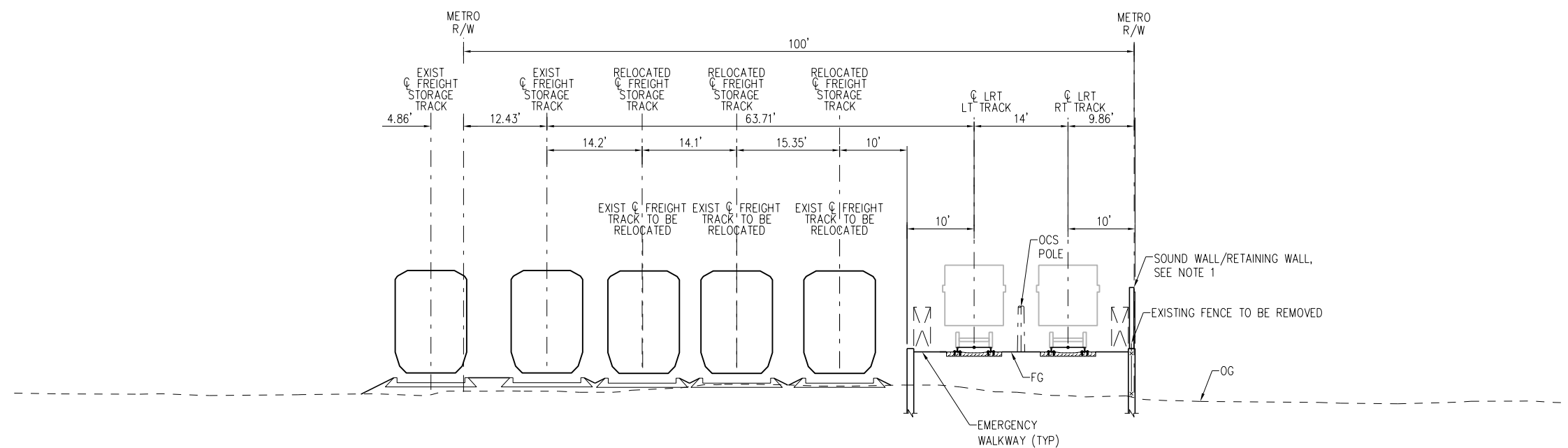
1. FOR SOUND WALL AND RETAINING WALL LIMITS, SEE PLAN AND PROFILE SHEETS.



**STA 1138+90**

SCALE: NTS

BE  
TF-236



**STA 1166+40**

SCALE: NTS

BF  
TF-239

15-DEC-2023 E-28091ATFX214.plg  
wspw14\_pw-svc 02:58

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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 JS	
		DRAWN BY HX	
		CHECKED BY JSP	
		IN CHARGE RL	
1	3/17/2023	DATE 3/17/2023	FINAL FREIGHT PLAN SUBMITTAL



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

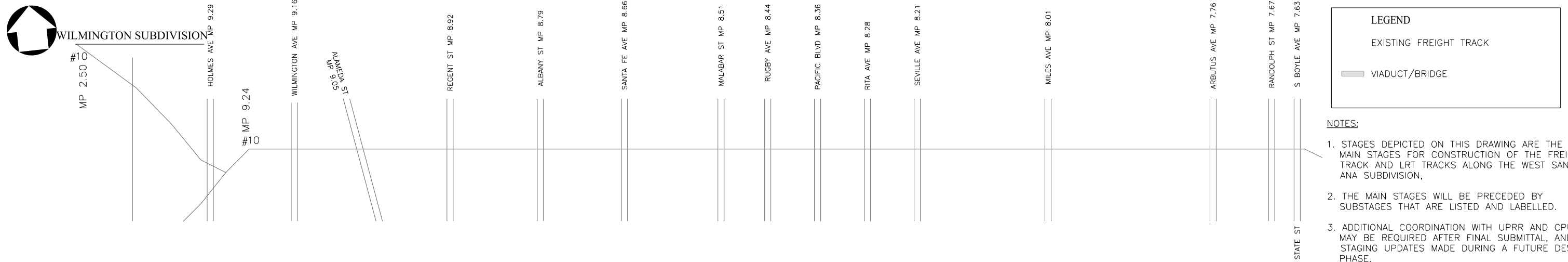
SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK  
FREIGHT  
SOUTHERN ALIGNMENT  
TYPICAL SECTIONS**

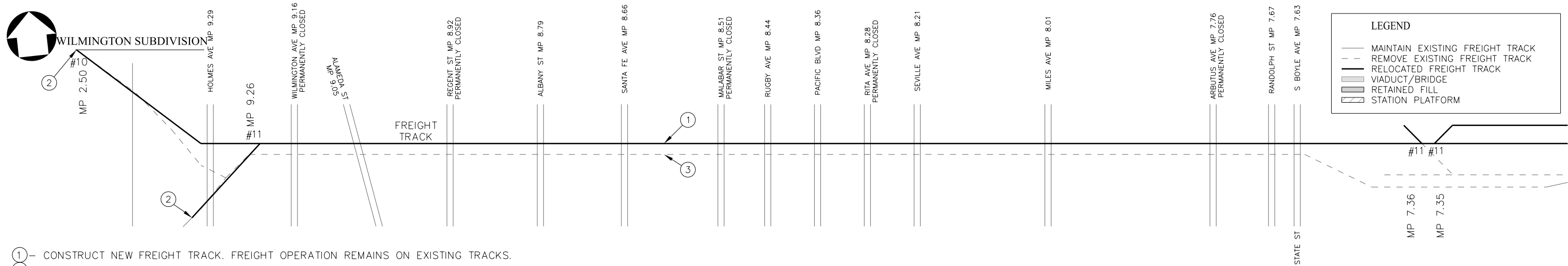
CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>TFX-214</b>	REV
SCALE <b>NO SCALE</b>	
SHEET NO <b>91 OF 96</b>	

**NOT FOR CONSTRUCTION**



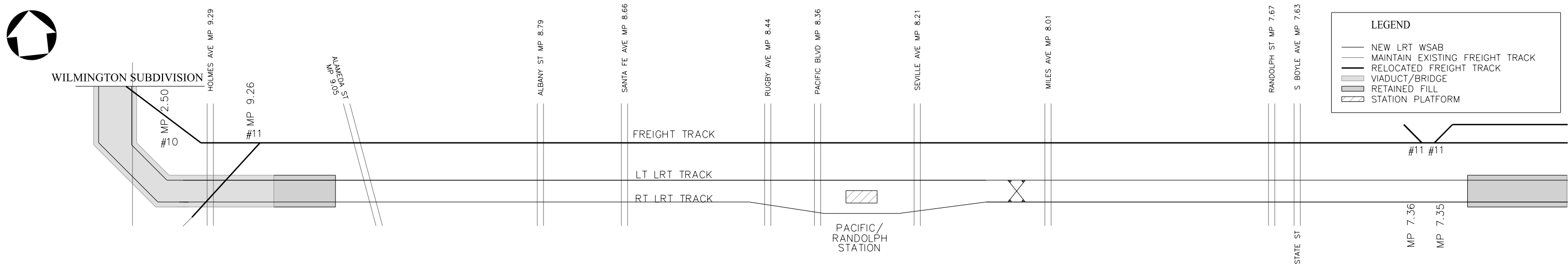


**EXISTING CONDITIONS**



- ① - CONSTRUCT NEW FREIGHT TRACK. FREIGHT OPERATION REMAINS ON EXISTING TRACKS.
- ② - DURING WEEKEND WINDOWS, CONNECT NEW FREIGHT TRACKS TO EXISTING TRACKS.
- ③ - REMOVE AND DISPOSE EXISTING TRACKS. FREIGHT OPERATION SWITCHES TO NEW FREIGHT TRACK.

**STAGE 1-A - FREIGHT TRACK RELOCATION**



**STAGE 2-A - LRT CONSTRUCTION**

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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 JS
		DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
1	3/17/2023	DATE 3/17/2023
FINAL FREIGHT PLAN SUBMITTAL		


**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

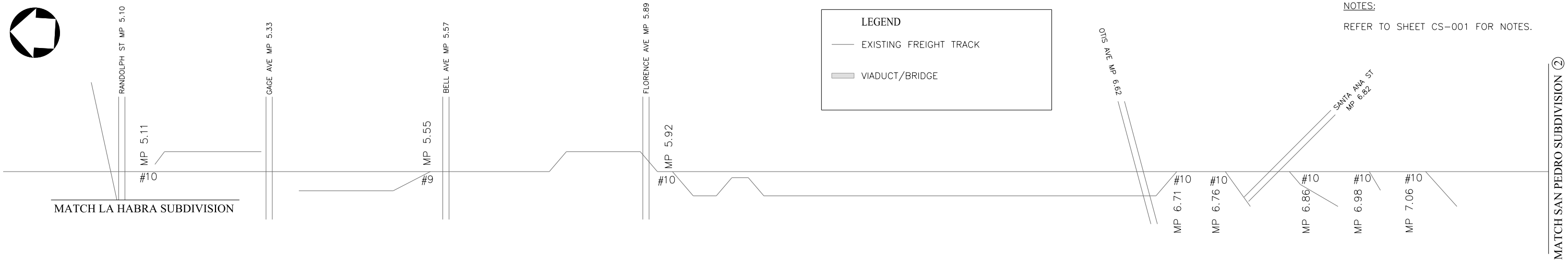
**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT**  
**LA HABRA SUBDIVISION**  
**CONSTRUCTION STAGING**

CONTRACT NO <b>AE5999300</b>	REV
DRAWING NO <b>CS-001</b>	
SCALE <b>1" = 400'</b>	
SHEET NO <b>92</b>	OF <b>96</b>

**NOT FOR CONSTRUCTION**

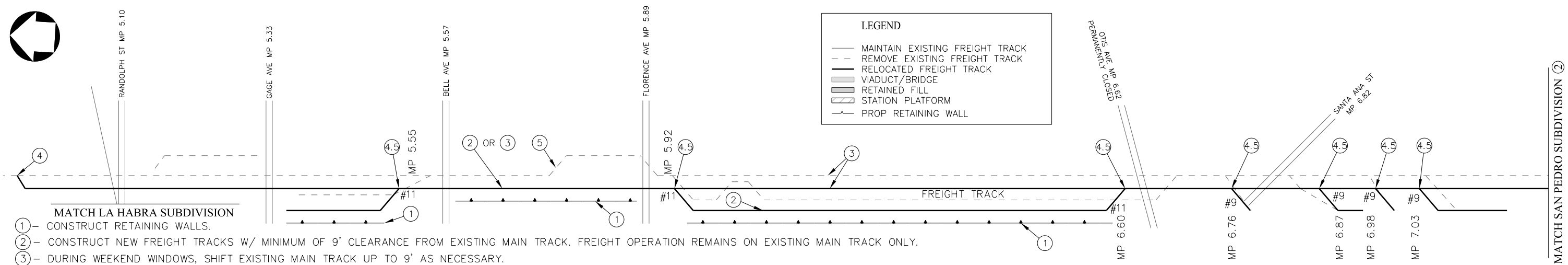


**LEGEND**

- EXISTING FREIGHT TRACK
- ▬ VIADUCT/BRIDGE

NOTES:  
REFER TO SHEET CS-001 FOR NOTES.

**EXISTING CONDITIONS**

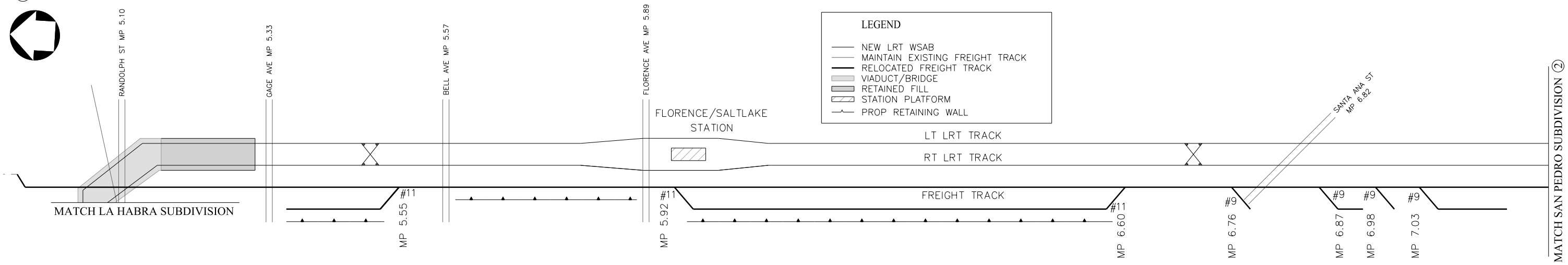


**LEGEND**

- MAINTAIN EXISTING FREIGHT TRACK
- - - REMOVE EXISTING FREIGHT TRACK
- ▬ RELOCATED FREIGHT TRACK
- ▬ VIADUCT/BRIDGE
- ▬ RETAINED FILL
- ▨ STATION PLATFORM
- PROP RETAINING WALL

- ① - CONSTRUCT RETAINING WALLS.
- ② - CONSTRUCT NEW FREIGHT TRACKS W/ MINIMUM OF 9' CLEARANCE FROM EXISTING MAIN TRACK. FREIGHT OPERATION REMAINS ON EXISTING MAIN TRACK ONLY.
- ③ - DURING WEEKEND WINDOWS, SHIFT EXISTING MAIN TRACK UP TO 9' AS NECESSARY.
- ④ - DURING WEEKEND WINDOWS, CONNECT NEW/RELOCATED FREIGHT TRACKS TO EXISTING TRACKS. FREIGHT OPERATION SWITCHES TO NEW/RELOCATED FREIGHT TRACK.
- ④.5 - DURING WEEKEND WINDOWS, RECONNECT SPUR TRACKS TO NEW/RELOCATED TRACKS.
- ⑤ - REMOVE AND DISPOSE EXISTING TRACKS.

**STAGE 1-B - FREIGHT TRACK RELOCATION**



**LEGEND**

- NEW LRT WSAB
- MAINTAIN EXISTING FREIGHT TRACK
- ▬ RELOCATED FREIGHT TRACK
- ▬ VIADUCT/BRIDGE
- ▬ RETAINED FILL
- ▨ STATION PLATFORM
- PROP RETAINING WALL

**STAGE 2-B - LRT CONSTRUCTION**

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ACS002.plg

wspw14-pw-svc 02:55

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 JS
		DRAWN BY HX
		CHECKED BY JSP
		IN CHARGE RL
1	3/17/2023	DATE 3/17/2023
		FINAL FREIGHT PLAN SUBMITTAL

**M Metro**  
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

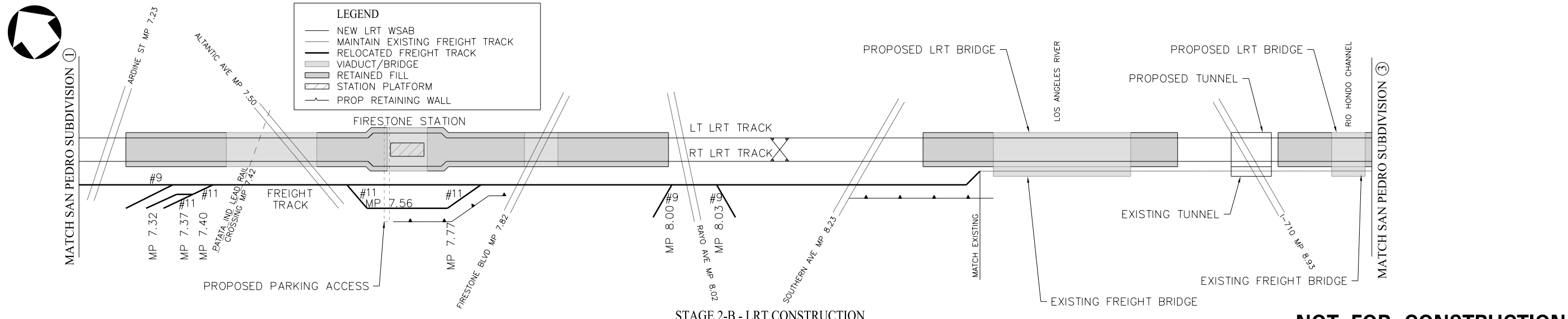
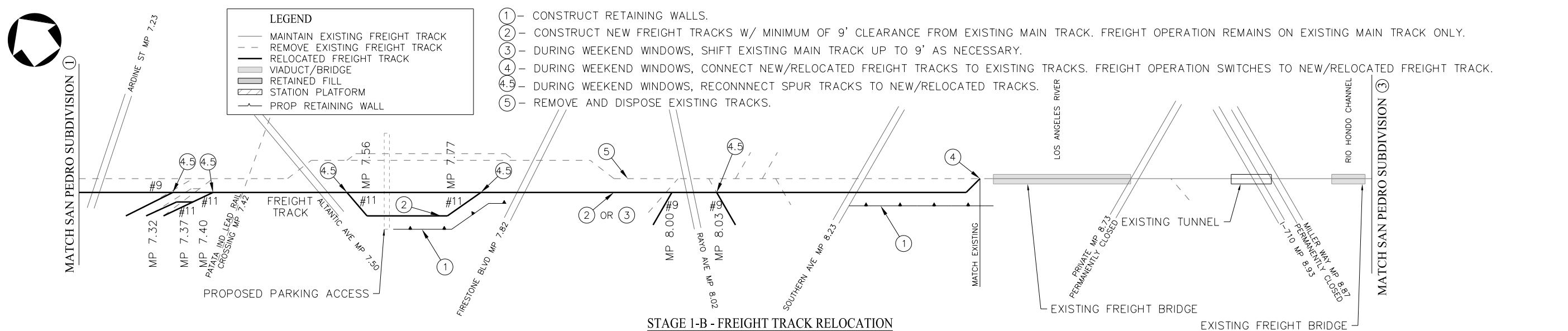
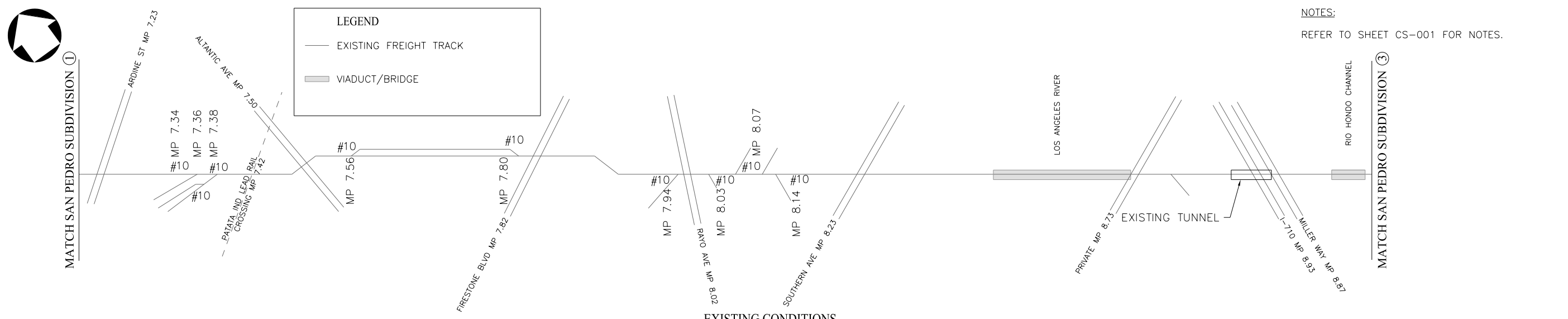
**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK  
FREIGHT  
SAN PEDRO SUBDIVISION 1  
CONSTRUCTION STAGING**

CONTRACT NO <b>AE5999300</b>	REV
DRAWING NO <b>CS-002</b>	
SCALE <b>1" = 400'</b>	
SHEET NO <b>93</b>	OF <b>96</b>

15-DEC-2023 E-28091ACS003.plg  
 wppw14\_pw-svc 18:29



**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

DESIGNED BY	JS
DRAWN BY	HX
CHECKED BY	JSP
IN CHARGE	RL
DATE	3/17/2023
1 3/17/2023 FINAL FREIGHT PLAN SUBMITTAL	

**M Metro**  
 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

WEST SANTA ANA BRANCH FREIGHT TRACK  
 FREIGHT  
 SAN PEDRO SUBDIVISION 2  
 CONSTRUCTION STAGING

CONTRACT NO. AE5999300  
 DRAWING NO. CS-003  
 SCALE 1" = 400'  
 SHEET NO. 93 OF 96

DESIGNED BY JS  
 DRAWN BY HX  
 CHECKED BY JSP  
 IN CHARGE RL  
 DATE 3/17/2023

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

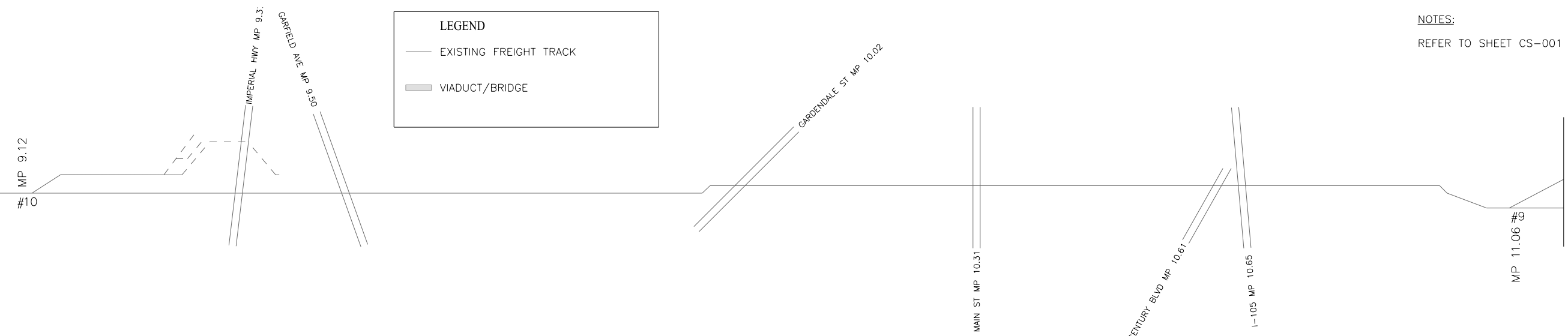


SAN PEDRO SUBDIVISION ②

**LEGEND**

- EXISTING FREIGHT TRACK
- VIADUCT/BRIDGE

NOTES:  
REFER TO SHEET CS-001 FOR NOTES.

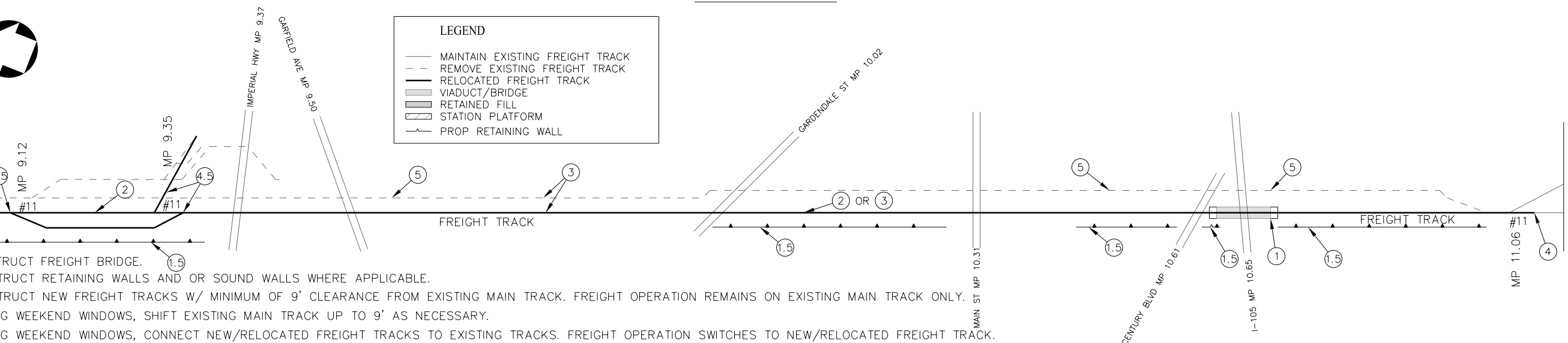


SAN PEDRO SUBDIVISION ②

**LEGEND**

- MAINTAIN EXISTING FREIGHT TRACK
- REMOVE EXISTING FREIGHT TRACK
- RELOCATED FREIGHT TRACK
- VIADUCT/BRIDGE
- RETAINED FILL
- STATION PLATFORM
- PROP RETAINING WALL

EXISTING CONDITIONS



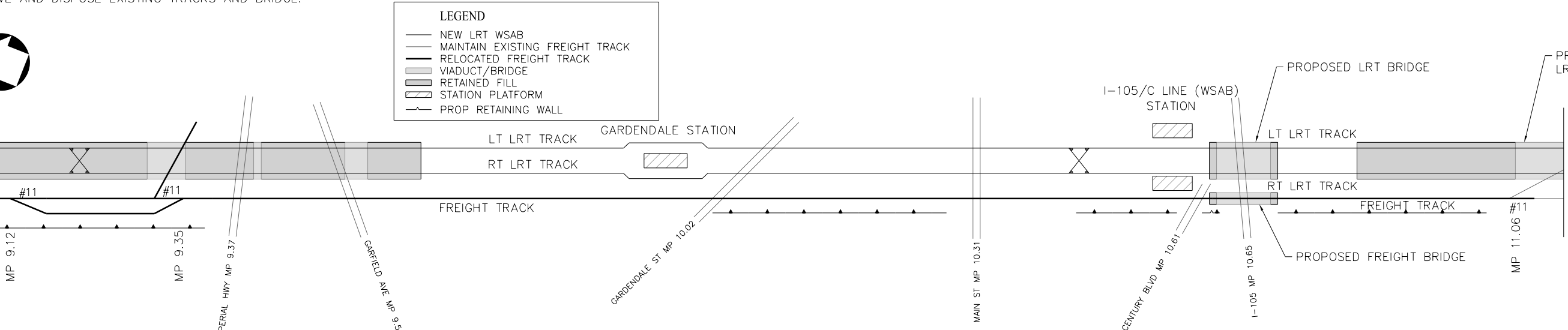
- 1 - CONSTRUCT FREIGHT BRIDGE.
- 1.5 - CONSTRUCT RETAINING WALLS AND OR SOUND WALLS WHERE APPLICABLE.
- 2 - CONSTRUCT NEW FREIGHT TRACKS W/ MINIMUM OF 9' CLEARANCE FROM EXISTING MAIN TRACK. FREIGHT OPERATION REMAINS ON EXISTING MAIN TRACK ONLY.
- 3 - DURING WEEKEND WINDOWS, SHIFT EXISTING MAIN TRACK UP TO 9' AS NECESSARY.
- 4 - DURING WEEKEND WINDOWS, CONNECT NEW/RELOCATED FREIGHT TRACKS TO EXISTING TRACKS. FREIGHT OPERATION SWITCHES TO NEW/RELOCATED FREIGHT TRACK.
- 4.5 - DURING WEEKEND WINDOWS, RECONNECT SPUR TRACKS TO NEW/RELOCATED TRACKS.
- 5 - REMOVE AND DISPOSE EXISTING TRACKS AND BRIDGE.

STAGE 1-C - FREIGHT TRACK RELOCATION

SAN PEDRO SUBDIVISION ②

**LEGEND**

- NEW LRT WSAB
- MAINTAIN EXISTING FREIGHT TRACK
- RELOCATED FREIGHT TRACK
- VIADUCT/BRIDGE
- RETAINED FILL
- STATION PLATFORM
- PROP RETAINING WALL



STAGE 2-C - LRT CONSTRUCTION

**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ACS004.plg  
wsppw14-pw-svc 02:55

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

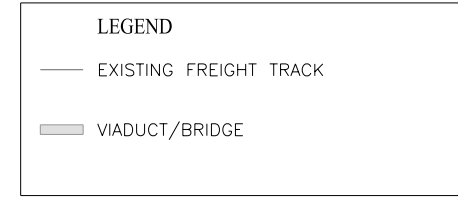
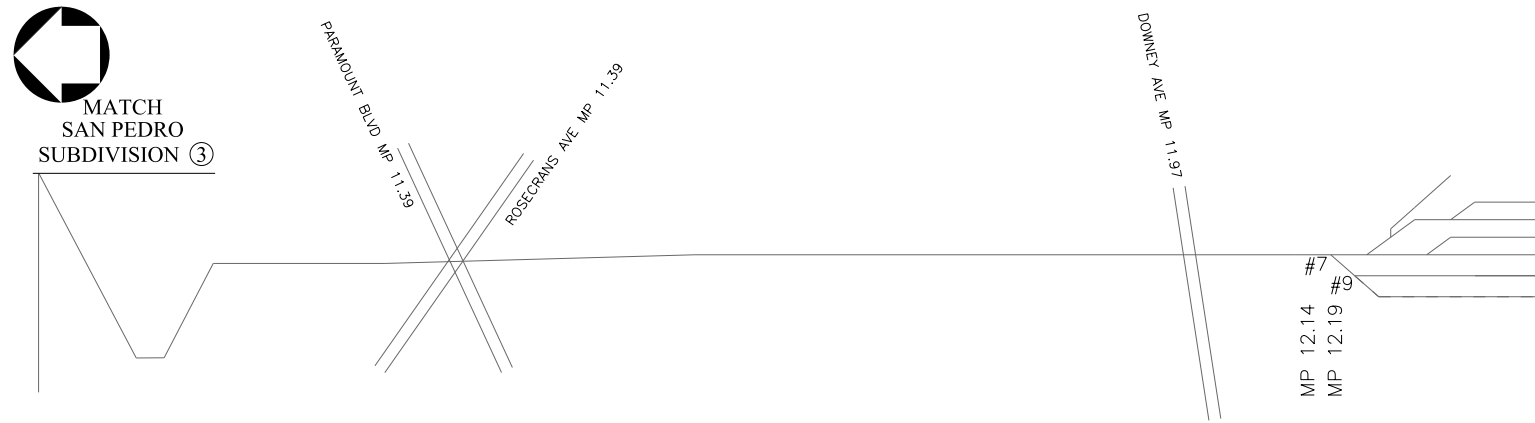
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY JS	
		DRAWN BY HX	
		CHECKED BY JSP	
		IN CHARGE RL	
		DATE 3/17/2023	
1	3/17/2023		FINAL FREIGHT PLAN SUBMITTAL

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**  
 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

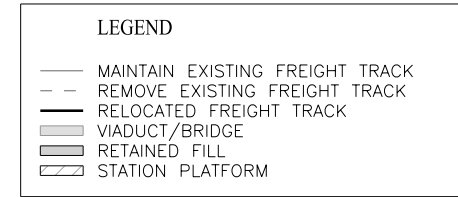
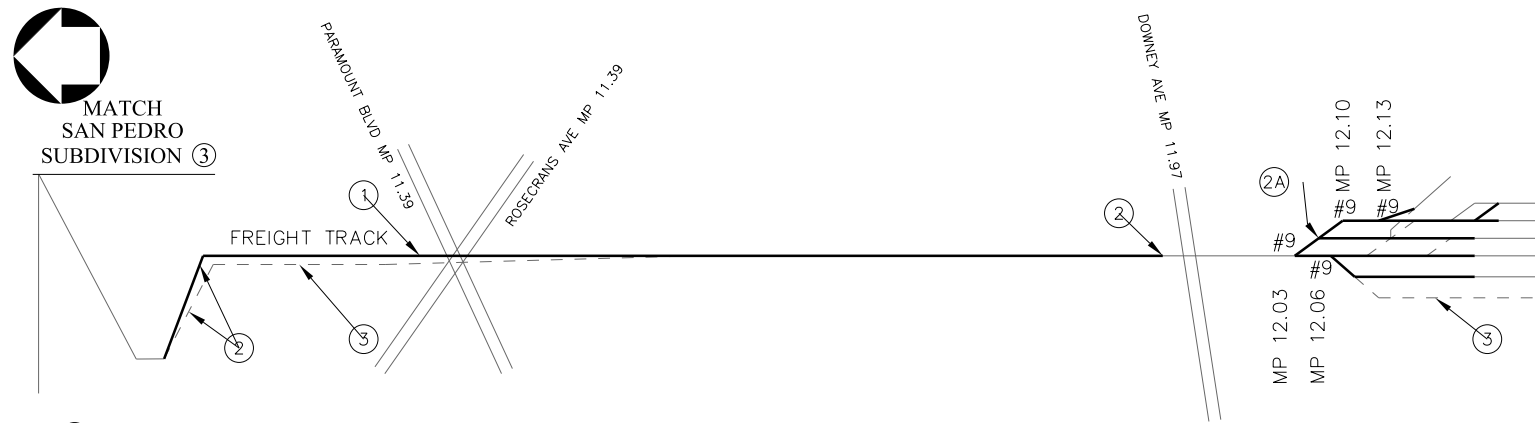
**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT**  
**SAN PEDRO SUBDIVISION 3**  
**CONSTRUCTION STAGING**

CONTRACT NO AE5999300	
DRAWING NO CS-004	REV
SCALE 1" = 400'	
SHEET NO 95	OF 96



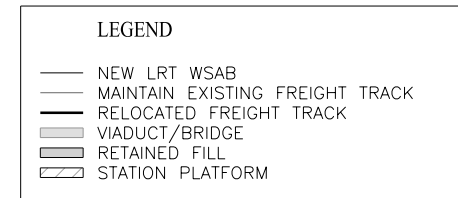
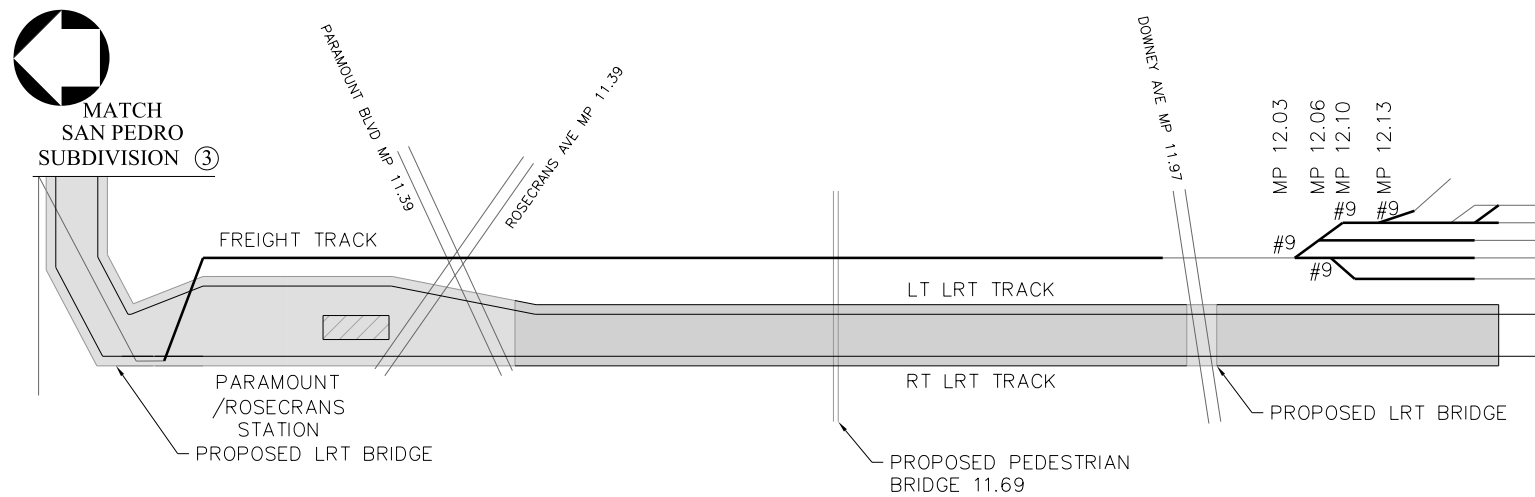
**NOTES:**  
REFER TO SHEET CS-001 FOR NOTES.

**EXISTING CONDITIONS**



- ① - CONSTRUCT NEW FREIGHT TRACKS W/ MINIMUM OF 9' CLEARANCE FROM EXISTING MAIN TRACK. FREIGHT OPERATION REMAINS ON EXISTING MAIN TRACK ONLY.
- ② - DURING WEEKEND WINDOWS, SHIFT EXISTING TRACKS AND CONNECT BOTH ENDS TO EXISTING TRACKS. FREIGHT OPERATION SWITCHES TO NEW FREIGHT TRACK.
- ②A - RECONSTRUCT STORAGE TRACKS. THIS ACTIVITY REQUIRES CLOSE COORDINATION W/ THE RAILROAD OPERATIONS.
- ③ - REMOVE AND DISPOSE EXISTING TRACKS.

**STAGE 1-D - FREIGHT TRACK RELOCATION**



**STAGE 2-D - LRT CONSTRUCTION**

**NOT FOR CONSTRUCTION**

**FINAL FREIGHT PLAN SUBMITTAL - 3/17/2023**

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 JS	<p><b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b></p> <p>515 South Figueroa Street Suite 1400 Los Angeles, CA 90071</p>	CONTRACT NO <b>AE5999300</b>
1	3/17/2023	DRAWN BY HX		DRAWING NO <b>CS-005</b>
		CHECKED BY JSP		SCALE 1" = 400'
		IN CHARGE RL		SHEET NO 96 OF 96
		DATE 3/17/2023		

**WSP** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH FREIGHT TRACK**  
**FREIGHT**  
**PARAMOUNT INDUSTRIAL LEAD**  
**CONSTRUCTION STAGING**

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16-FEB-2024

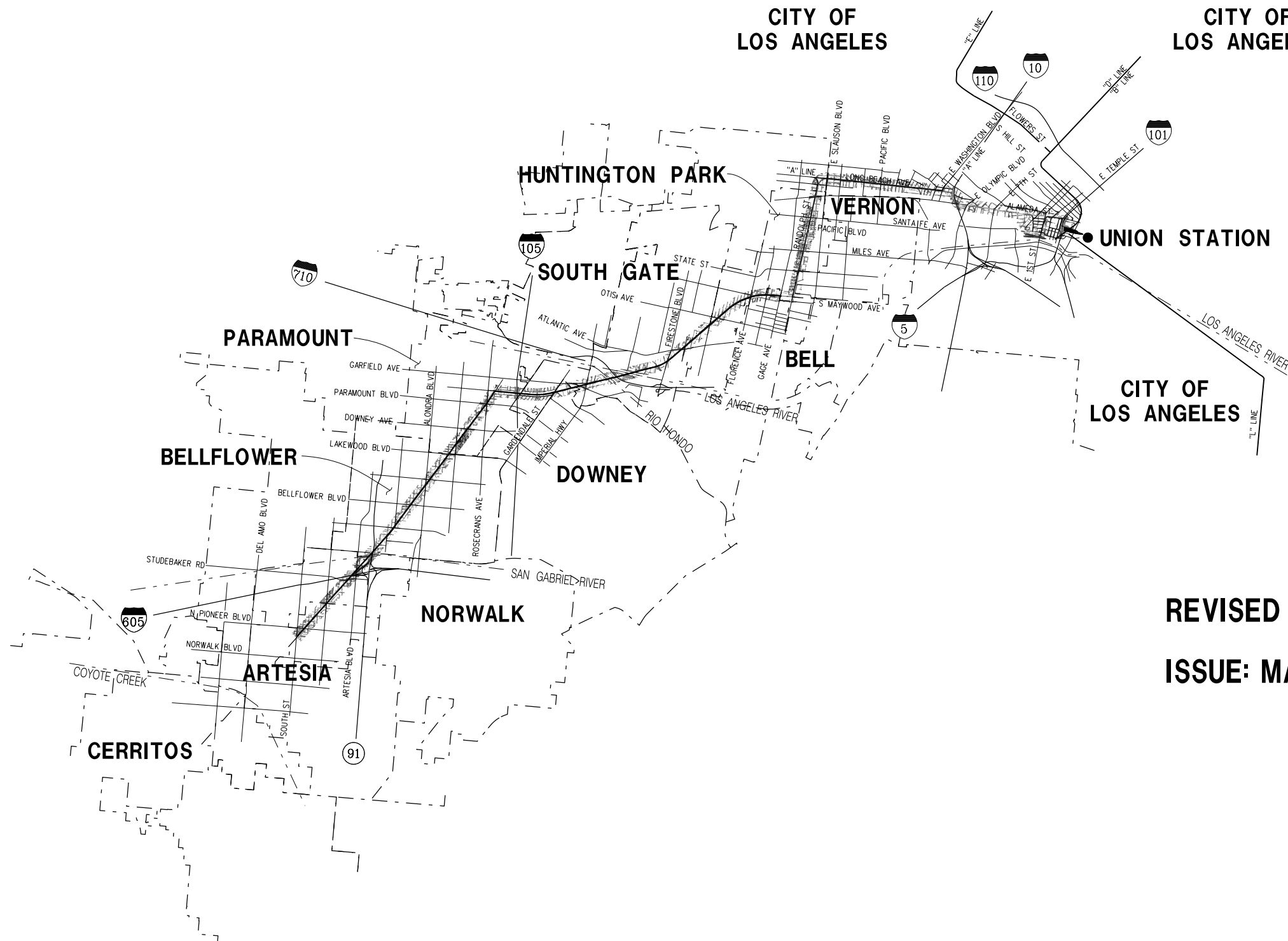
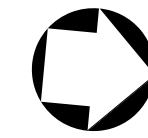
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CITY OF  
LOS ANGELES

CITY OF  
LOS ANGELES



REVISED FINAL ROW DRAWINGS  
ISSUE: MARCH 2024

NOT FOR CONSTRUCTION

# WEST SANTA ANA BRANCH TRANSIT CORRIDOR PROJECT

515 Figueroa Street  
Suite 1400  
Los Angeles, CA 90071  
TEL (213) 362-9470



LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY

INDEX OF DRAWINGS


SHT NO	DWG NO	DWG TITLE
<b>GENERAL</b>		
1	G-001	GENERAL INDEX
2	G-002	GENERAL KEY MAP
3	G-003	GENERAL ABBREVIATIONS, NOTES, AND LEGENDS
<b>RIGHT OF WAY</b>		
4	R-1-100	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 647+00 TO STA 658+00
5	R-1-101	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 658+00 TO STA 667+50
6	R-1-102	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 667+50 TO STA 676+00
7	R-1-102A	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN
8	R-1-103	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 676+00 TO STA 686+50
9	R-1-104	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 686+50 TO STA 691+50
10	R-1-105	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 691+50 TO STA 702+50
11	R-1-106	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 702+50 TO STA 713+50
12	R-1-107	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 713+50 TO STA 723+50
13	R-1-108	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 723+50 TO STA 734+00
14	R-1-108A	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN
15	R-1-109	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 734+00 TO STA 744+50
16	R-1-110	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 744+50 TO STA 754+50
17	R-1-111	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 754+50 TO STA 765+50
18	R-1-111A	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN
19	R-1-111B	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN
20	R-1-112	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 765+50 TO STA 776+50
21	R-1-113	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 776+50 TO STA 786+50
22	R-1-114	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 786+50 TO STA 796+50
23	R-1-114A	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN
24	R-1-115	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 796+50 TO STA 807+50
25	R-1-116	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 807+50 TO STA 818+50
26	R-1-117	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 818+50 TO STA 829+50
27	R-1-118	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 829+50 TO STA 839+50
28	R-1-119	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 839+50 TO STA 849+50
29	R-1-120	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 849+50 TO STA 861+50
30	R-1-121	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 861+50 TO STA 871+50
31	R-1-122	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 871+50 TO STA 882+50
32	R-1-123	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 882+50 TO STA 893+50
33	R-1-124	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 893+50 TO STA 904+50
34	R-1-125	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 904+50 TO STA 915+50
35	R-1-126	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 915+50 TO STA 926+50
36	R-1-127	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN
37	R-1-128	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 926+50 TO STA 936+50
38	R-1-129	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 936+50 TO STA 947+00
39	R-1-130	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 947+00 TO STA 957+50
40	R-1-131	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 957+50 TO STA 968+50
41	R-1-132	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 968+50 TO STA 979+50
42	R-1-133	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 979+50 TO STA 990+50
43	R-1-134	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 990+50 TO STA 1001+50
44	R-1-134A	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN
45	R-1-135	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1001+50 TO STA 1012+50
46	R-1-136	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1012+50 TO STA 1023+50
47	R-1-137	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1023+50 TO STA 1034+50
48	R-1-138	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1034+50 TO STA 1045+50
49	R-1-138A	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN
50	R-1-139	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1045+50 TO STA 1056+50
51	R-1-140	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1056+50 TO STA 1067+50

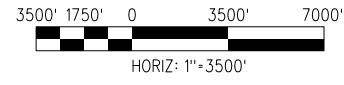
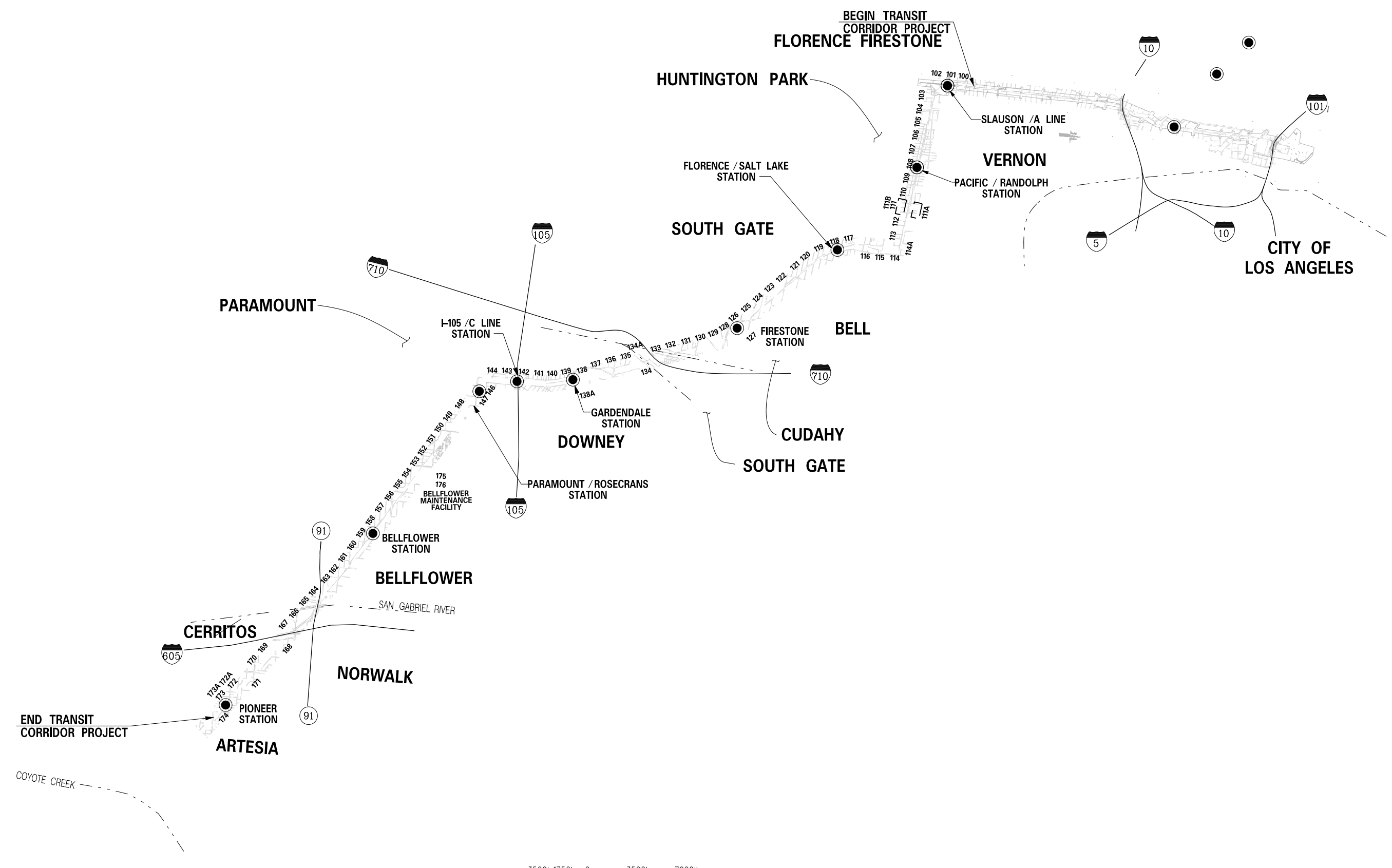
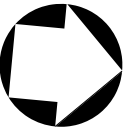
SHT NO	DWG NO	DWG TITLE
<b>RIGHT OF WAY CONT.</b>		
52	R-1-143	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1088+50 TO STA 1099+50
53	R-1-144	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1099+50 TO STA 1109+50
54	R-1-146	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1117+50 TO STA 1127+50
55	R-1-147	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1127+50 TO STA 1138+50
56	R-1-148	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1138+50 TO STA 1149+50
57	R-1-149	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1149+50 TO STA 1160+50
58	R-1-150	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1160+50 TO STA 1170+50
59	R-1-151	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1170+50 TO STA 1181+50
60	R-1-152	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1181+50 TO STA 1191+50
61	R-1-153	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1191+50 TO STA 1201+50
62	R-1-154	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1201+50 TO STA 1211+50
63	R-1-155	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1211+50 TO STA 1222+50
64	R-1-156	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1222+50 TO STA 1233+50
65	R-1-157	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1233+50 TO STA 1244+50
66	R-1-158	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1244+50 TO STA 1255+50
67	R-1-159	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1255+50 TO STA 1266+50
68	R-1-160	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1266+50 TO STA 1277+50
69	R-1-161	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1277+50 TO STA 1287+50
70	R-1-162	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1287+50 TO STA 1298+50
71	R-1-163	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1298+50 TO STA 1309+50
72	R-1-164	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1309+50 TO STA 1319+50
73	R-1-165	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1319+50 TO STA 1330+50
74	R-1-166	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1330+50 TO STA 1341+50
75	R-1-167	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1341+50 TO STA 1352+50
76	R-1-168	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1352+50 TO STA 1363+50
77	R-1-169	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1363+50 TO STA 1374+50
78	R-1-170	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1374+50 TO STA 1385+50
79	R-1-171	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1385+50 TO STA 1396+50
80	R-1-172	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1396+50 TO STA 1407+50
81	R-1-172A	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1396+50 TO STA 1407+50
82	R-1-173	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1396+50 TO STA 1407+50
83	R-1-173A	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1396+50 TO STA 1407+50
84	R-1-174	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1407+50 TO STA 1418+00
85	R-1-175	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN BELLFLOWER YARD
86	R-1-176	RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN BELLFLOWER YARD
87	R-1-177	RIGHT- OF- WAY PARCEL IMPACTS DATA TABLE
88	R-1-178	RIGHT- OF- WAY PARCEL IMPACTS DATA TABLE
89	R-1-179	RIGHT- OF- WAY PARCEL IMPACTS DATA TABLE

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FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023

**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 SJ		 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY			CONTRACT NO. AE5999300	
							DRAWN BY SJ					DRAWING NO G-002	
							CHECKED BY CL		515 South Figueroa Street Suite 1400 Los Angeles, CA 90071			SCALE	
							IN CHARGE RL					SHEET NO 1 OF 93	
							DATE 4/14/2023		SUBMITTED _____ APPROVED _____			INDEX OF DRAWINGS	
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION						
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS						



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**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.						
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

<b>WEST SANTA ANA BRANCH LRT</b>		CONTRACT NO. <b>AE5999300</b>
<b>GENERAL KEY MAP</b>		DRAWING NO. <b>G-003</b>
SCALE <b>1" = 3500'</b>		REV
SHEET NO. <b>2</b>		OF <b>93</b>

16-FEB-2024 B-28091AG03.plg





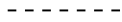
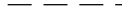





LIST OF ABBREVIATIONS

ALT	Alternative
ANT	Antenna
APPROX	Approximate
AE	Aerial Easement
BDRY	Boundary
BLDG	Building
CL	Clearance, center line
E	East
ELEV	Elevation
EXIST	Existing
FA	FULL Acquisition
LACMTA	Los Angeles County Metropolitan Transportation Authority
LRT	Light Rail Transit
LT	Left
MED	Median
Min	Minimum
MWD	Metropolitan Water District
PA	Partial Acquisition
PED	Pedestrian
R/W	Existing Right-of-way
RR	Railroad
RT	Right
SE	Surface Easement
SSE	Subsurface Easement
STA	Station, Stationing
TYP	Typical
TCE	Temporary Construction Easement
*	Full Acquisition

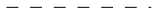


GENERAL NOTES

1. PARCEL INFORMATION AND BOUNDARIES NEED FIELD SURVEY VERIFICATION AND ARE THEREFORE APPROXIMATE. IMPACTED AREAS QUANTITIES TO BE REFINED DURING FUTURE DESIGN PHASES.
2. CURVE DATA AND CIRCULAR CURVES AT THE LIMITS OF ROW AND TABULAR CURVE DATA WILL BE FULLY DEFINED DURING A LATER STAGE OF DESIGN.
3. PROPOSED FULL AND PARTIAL RIGHT-OF-WAY PROPERTY LINES ARE SHOWN ON BOTH PUBLIC AND PRIVATELY- OWNED PARCELS. IN SOME LOCATIONS WHERE PROPOSED ROW LINES FALL CLOSE TO PARCEL BOUNDARIES RESULTANT THIN SLITHERS OUTSIDE THE REQUIRED LAND HAVE BEEN INCLUDED IN THE PROPOSED PROPERTY TAKE WHERE IT IS JUDGED TO OTHERWISE CREATE DIFFICULTIES IN FUTURE MAINTENANCE ACCESS.
4. WHERE NECESSARY AERIAL EASEMENTS HAVE BEEN INDICATED ON PUBLIC AND PRIVATE RIGHTS-OF-WAY. EXACT BOUNDARIES WILL BE CONFIRMED AS THE DESIGN IS REFINED AT LATER STAGES OF DESIGN.
5. WHERE PERMANENT SURFACE EASEMENTS (SE) ARE INDICATED FOR STRUCTURAL COLUMNS AND SIMILAR STRUCTURAL FEATURES THESE ARE INITIAL ASSUMED LOCATIONS BASED ON CONCEPTUAL DESIGN DEFINITION.
6. THE EXTENTS OF AFFECTED STRUCTURES ARE INITIALLY ESTIMATED BUT WILL BE CONFIRMED IN LATER PHASES OF DESIGN WHEN SURVEYS CAN ESTABLISH DETAILED IMPACTS ON EACH BUILDING AND NEEDS FOR ANY FULL OR PARTIAL TAKES OF THOSE PROPERTIES.
7. NO UTILITY EASEMENTS ARE SHOWN AT THIS STAGE OF DESIGN.
8. TEMPORARY CONSTRUCTION EASEMENTS SHOWN ARE INDICATIVE AND WILL BE CONFIRMED ONCE THE ACTUAL ADOPTED CONSTRUCTION METHODS AND WORK PLANS ARE DEVELOPED.
9. SEPARATE DRAWINGS DETAILING THE PROPOSED STREET VACATIONS TO BE DEVELOPED IN FUTURE DESIGN PHASE.
10. MRDC CIVIL REQUIREMENTS FOR RIGHT-OF-WAY HAVE BEEN FOLLOWED IN SETTING LAND REQUIREMENTS AND EASEMENTS FOR TUNNELS, UNDERGROUND STRUCTURES AND AERIAL STRUCTURES.
11. NO RIGHT-OF-WAY DELINEATION PROVIDED ON LACMTA PROPERTY. COORDINATION NEEDED WITH ALL MUNICIPALITIES AND OTHER PUBLIC AGENCIES ON NATURE AND EXTENT OF ROW TAKES NEEDED.
12. TEMPORARY CONSTRUCTION EASEMENTS NOT PROVIDED WITHIN EXISTING RAILROAD RIGHT-OF-WAY. EASEMENTS TO BE DETERMINED, AS NEEDED, DURING FUTURE PHASE OF DESIGN.
13. DELINEATION OF PARTIAL ACQUISITION AND SURFACE EASEMENTS WITHIN RAILROAD RIGHT-OF-WAY AT GRADE CROSSINGS TO BE REFINED IN A FUTURE DESIGN PHASE PENDING COORDINATION.

RIGHT-OF-WAY LEGEND


	AFFECTED STRUCTURE
	Proposed (FULL [* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)

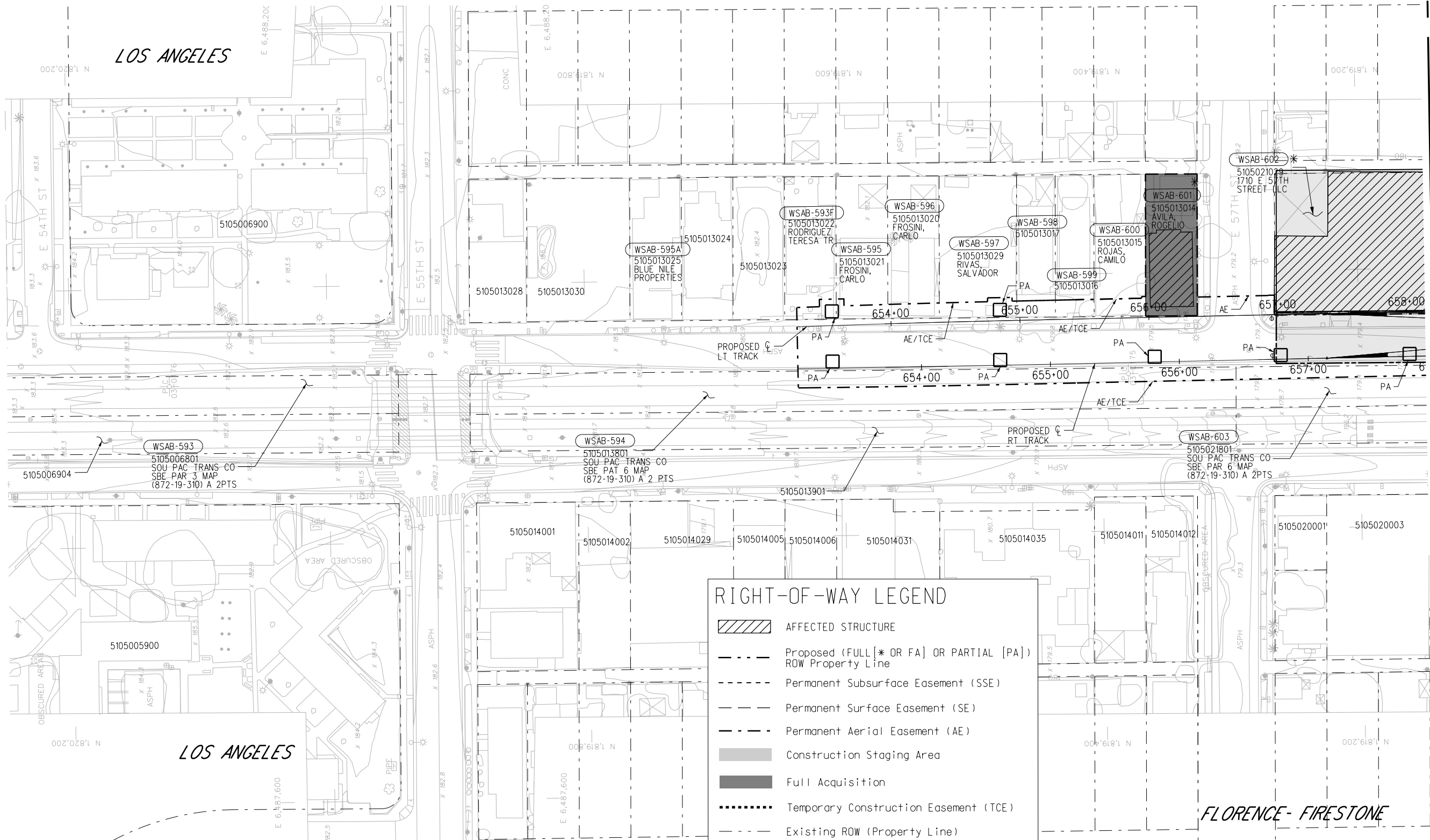
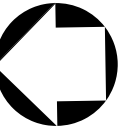
SYMBOLGY LEGEND

	EXISTING FREIGHT TRACK
	CITY/MUNICIPAL BOUNDARY
	LRT ALIGNMENT CENTERLINE

FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023

**NOT FOR CONSTRUCTION**

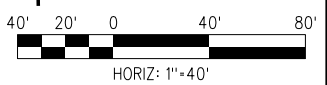
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.	DESIGNED BY SJ	 <b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>	CONTRACT NO <b>AE5999300</b>								
	DRAWN BY SJ		DRAWING NO G-004	REV							
1	4/14/2023	CHECKED BY CL	SCALE								
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	IN CHARGE RL DATE 4/14/2023	SUBMITTED _____ APPROVED _____	WEST SANTA ANA BRANCH LRT GENERAL ABBREVIATIONS, GENERAL NOTES & LEGEND	SHEET NO 3 OF 93



**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing RDW (Property Line)

MATCH LINE R TRACK 658+00.00  
SEE DWG R-1-101



16-FEB-2024 E-28091AR100.plg  
wsppw14-pw-svc 19:16

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
DESCRIPTION						

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**M Metro**  
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 647+00 TO STA 658+00**

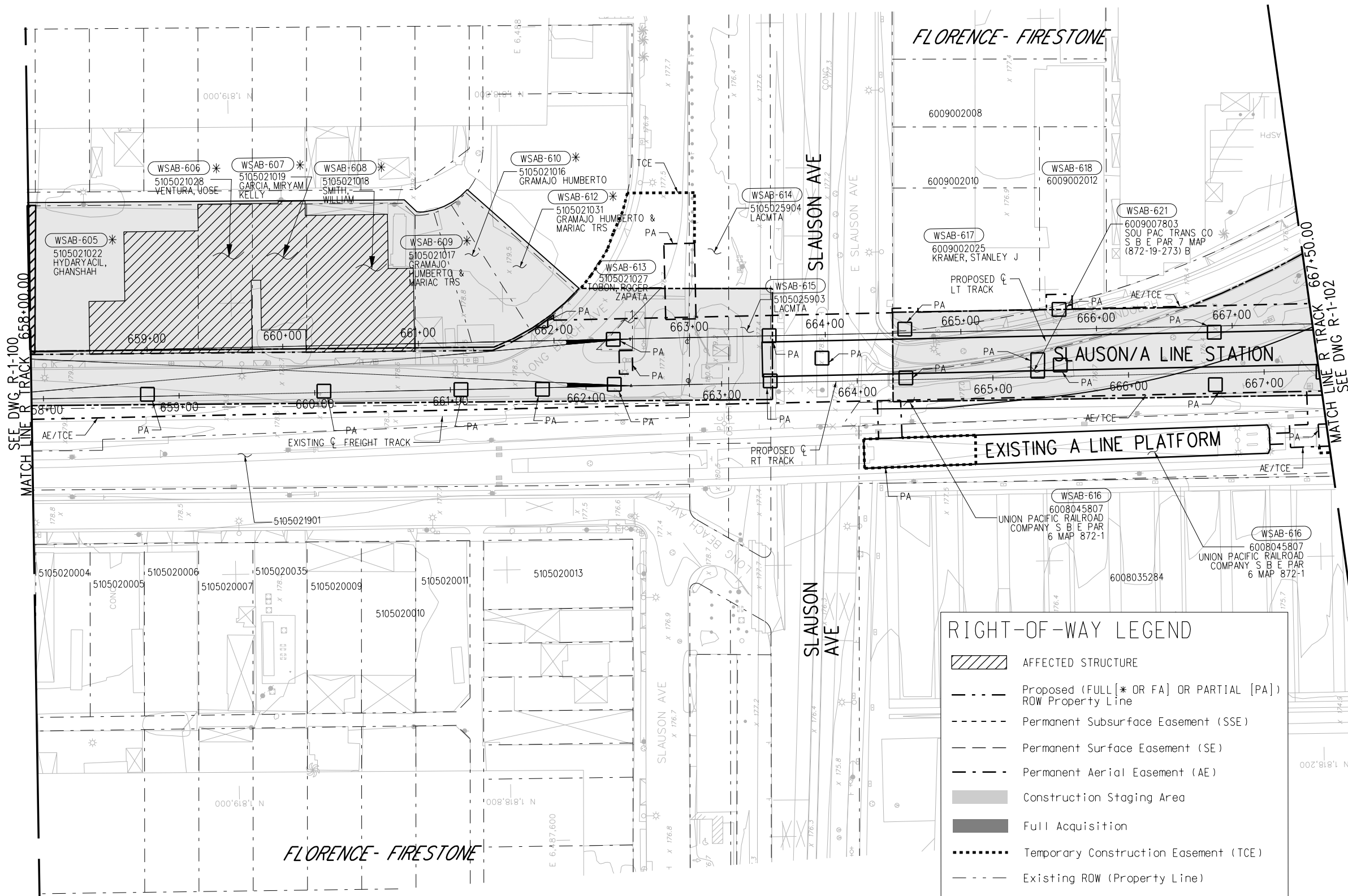
CONTRACT NO. <b>AE5999300</b>
DRAWING NO. <b>R-1-100</b>
SCALE <b>HOR: 1"=40'</b>
SHEET NO. <b>4 OF 93</b>

**NOT FOR CONSTRUCTION**



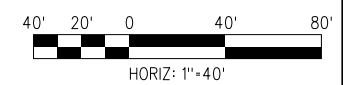
NOTES:

- 1. AT STATION 665+00, PA IS BEING SHOWN FOR TPSS UNDERNEATH VIADUCT.



**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



16-FEB-2024 E-28091AR101.plg  
wspw14-pw-svc 19:16  
Plot Driver=MTA-half.pen

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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
1	4/14/2023					
						DESCRIPTION
						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

**M Metro**  
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

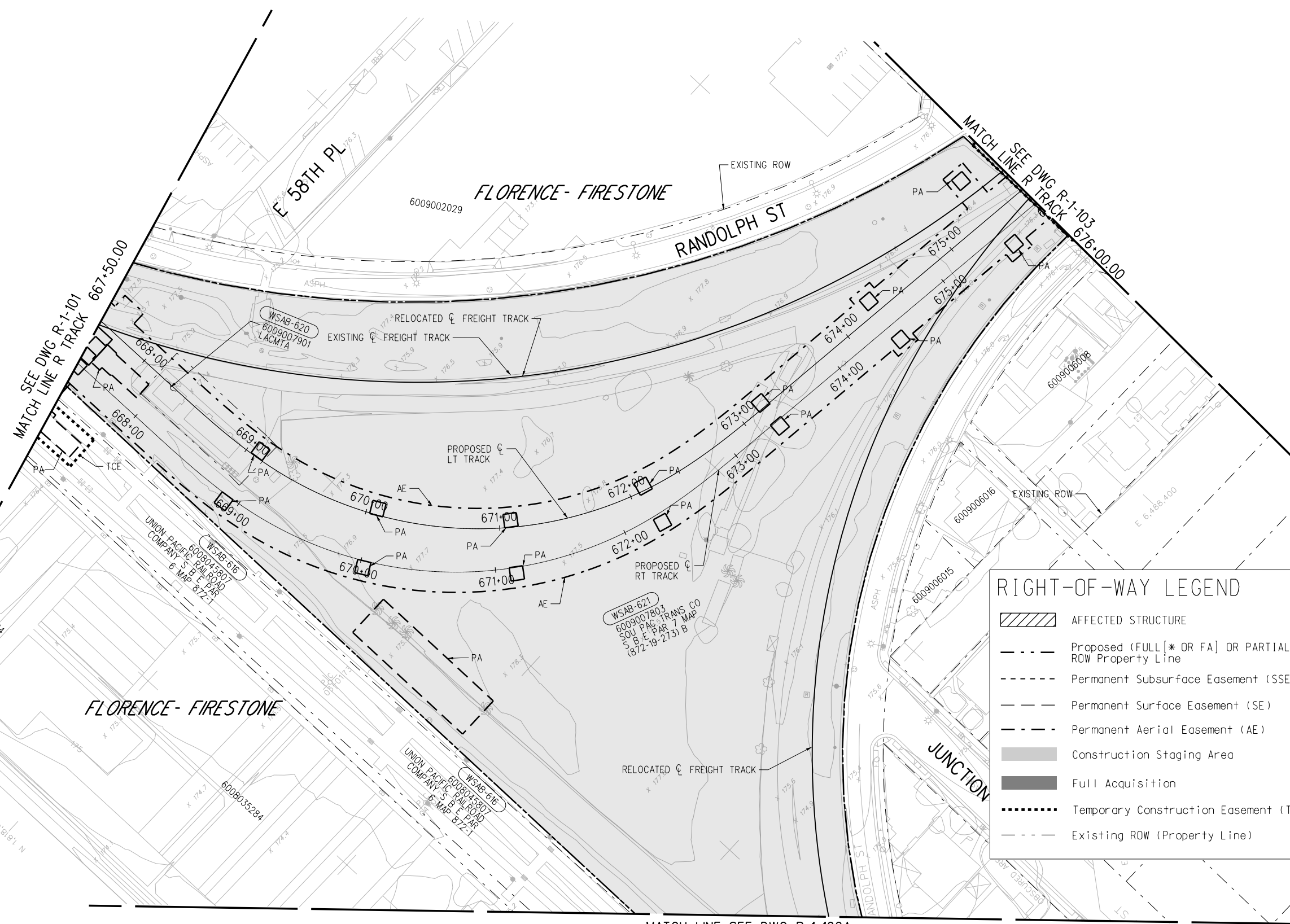
**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

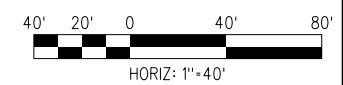
**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 658+00 TO STA 667+50**

CONTRACT NO.	AE5999300
DRAWING NO.	R-1-101
SCALE	HOR: 1"=40'
SHEET NO.	5 OF 93



**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



16-FEB-2024 E-28091AR102.plg  
wsppw14-pw-svc 19:18

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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	SJ					
DRAWN BY	SJ					
CHECKED BY	CL					
IN CHARGE	RL					
DATE	4/14/2023					
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

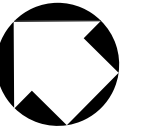
**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

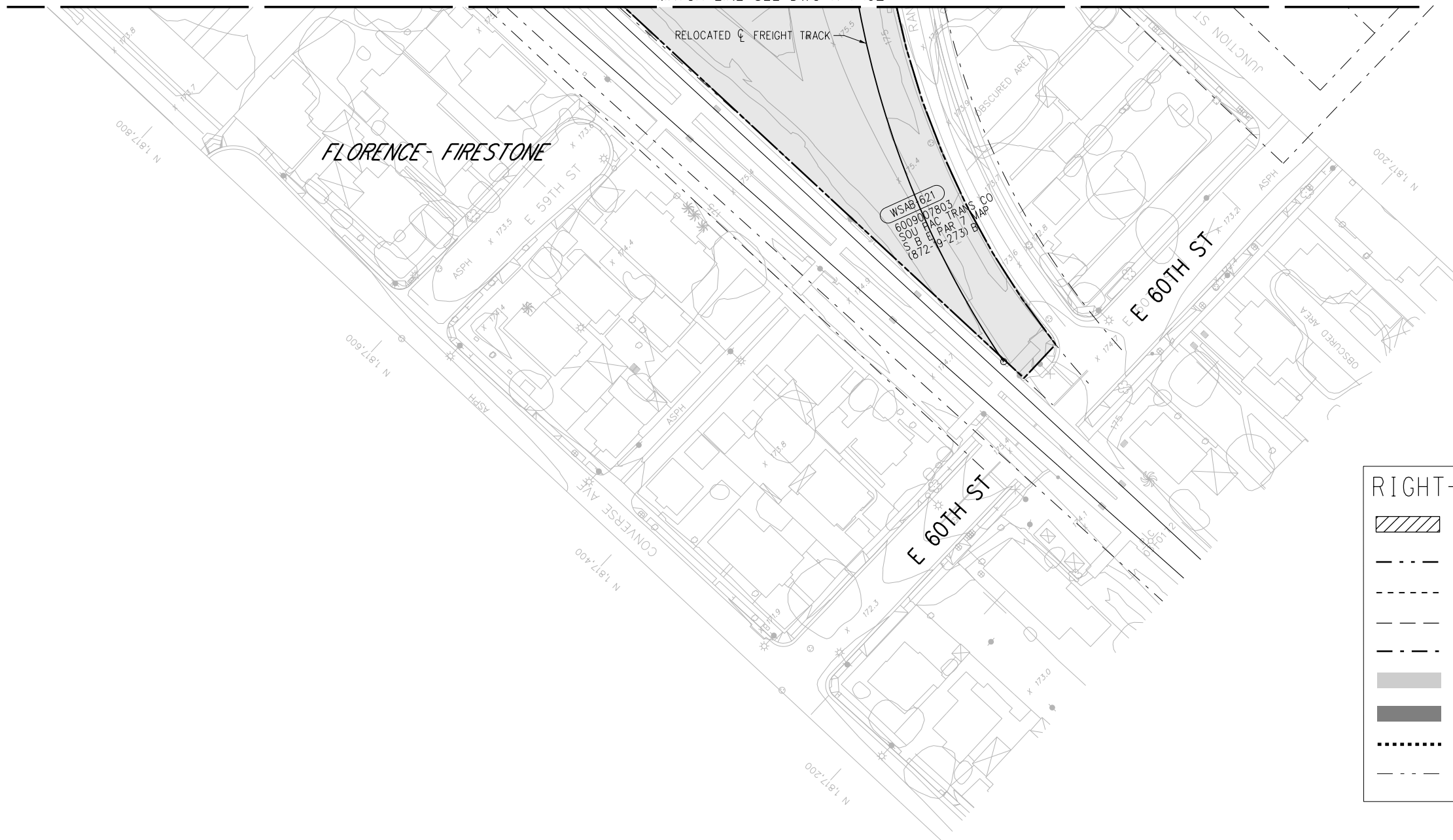
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN**  
 STA 667+50 TO STA 676+00

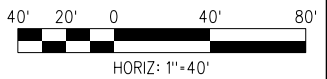
CONTRACT NO	AE5999300	
DRAWING NO	R-1-102	REV
SCALE	HOR: 1"=40'	
SHEET NO	6	OF 93



MATCH LINE SEE DWG R-1-102



RIGHT-OF-WAY LEGEND	
	AFFECTED STRUCTURE
	Proposed (FULL [* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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DESIGNED BY	SJ								
DRAWN BY	SJ								
CHECKED BY	CL								
IN CHARGE	RL								
DATE	4/14/2023								
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION		
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS		

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

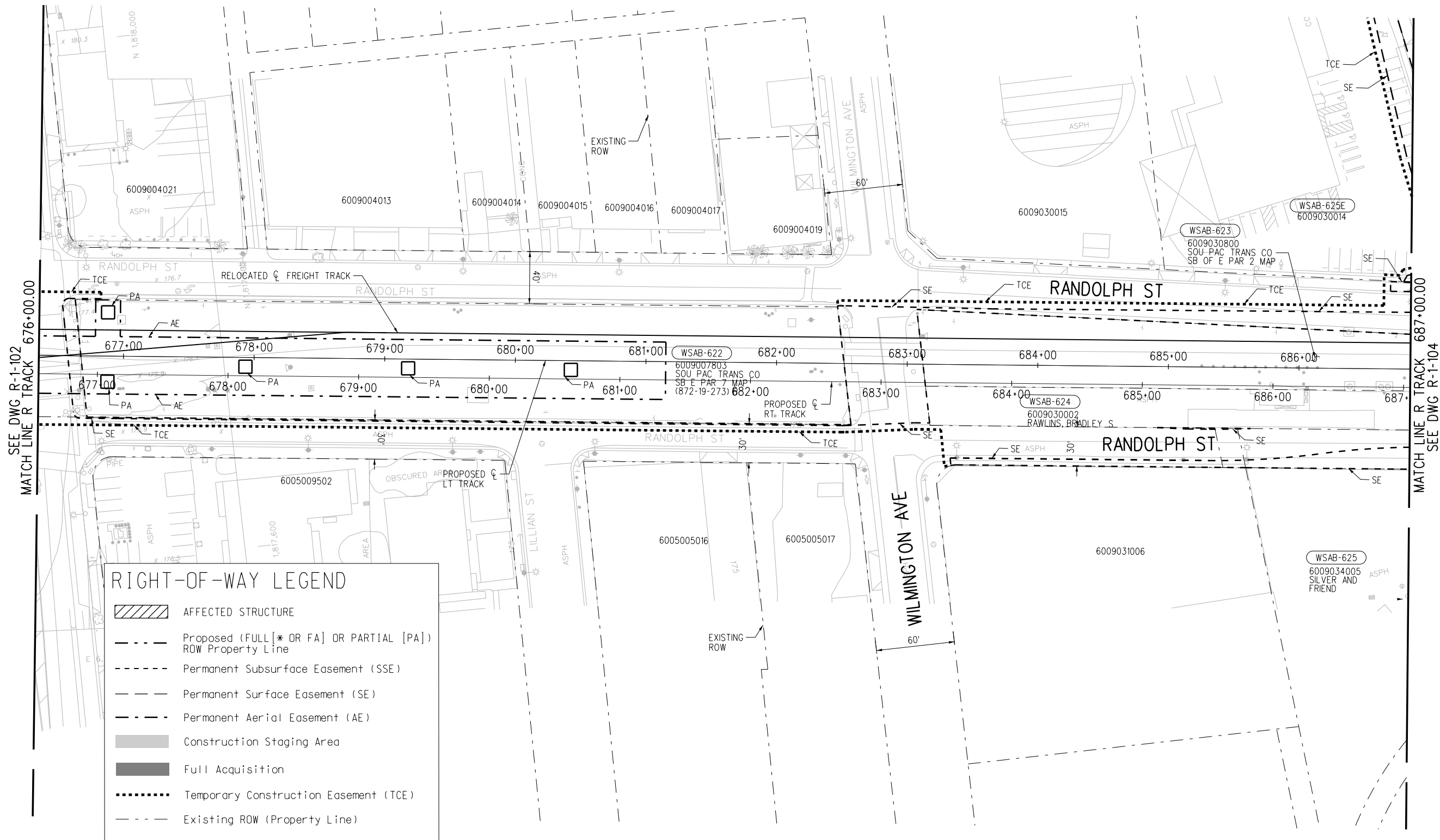
**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN**

CONTRACT NO	AE5999300	
DRAWING NO	R-1-102A	REV
SCALE	HOR: 1"=40'	
SHEET NO	7	OF 93

16-FEB-2024 E-28091AR102A.plg

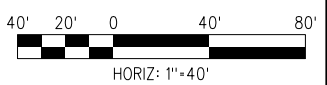
16-FEB-2024 E-28091AR103.plg

wsppw14-pw-svc 19:15



**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071










SUBMITTED \_\_\_\_\_

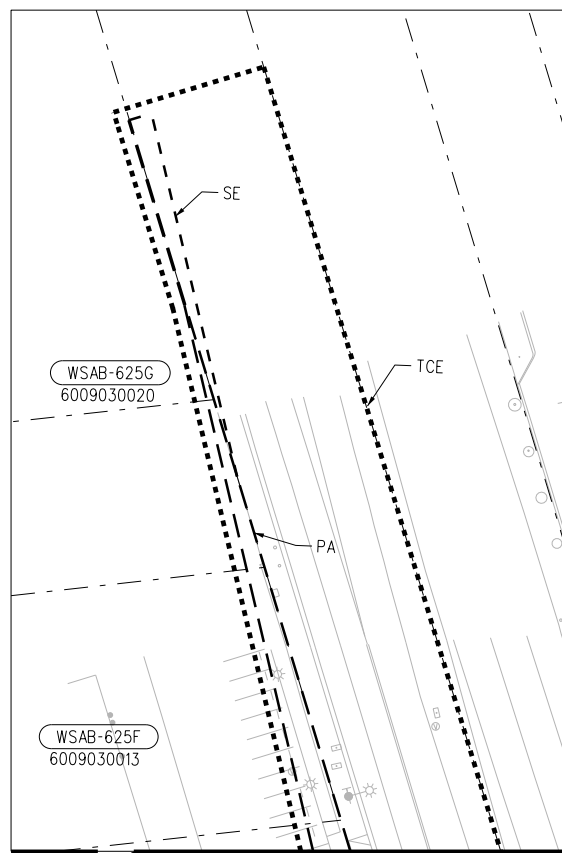
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT**  
**RIGHT- OF- WAY**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN**  
**STA 676+00 TO STA 686+50**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-103</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>8</b>	OF <b>93</b>

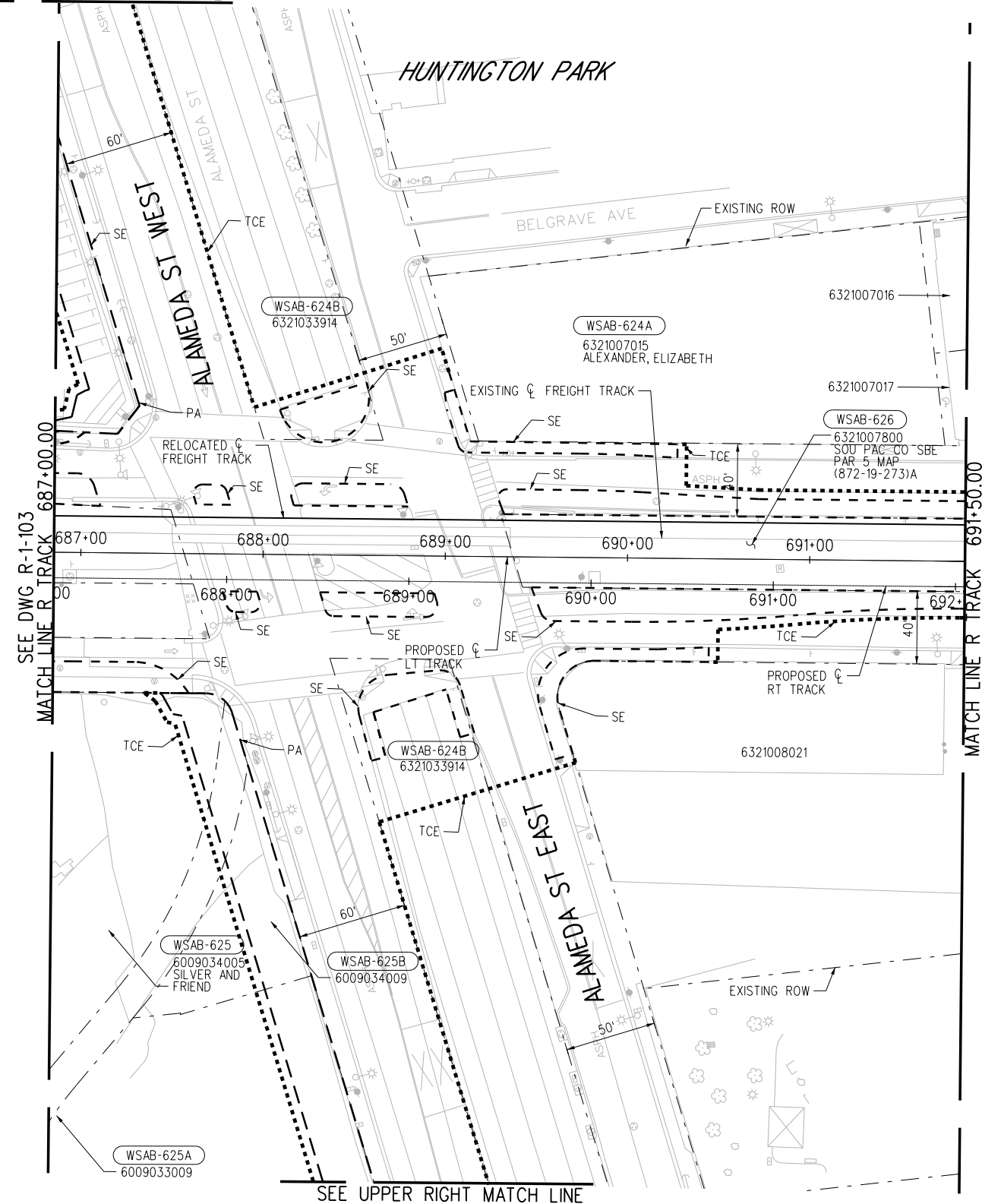
RIGHT-OF-WAY LEGEND

-  AFFECTED STRUCTURE
-  Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
-  Permanent Subsurface Easement (SSE)
-  Permanent Surface Easement (SE)
-  Permanent Aerial Easement (AE)
-  Construction Staging Area
-  Full Acquisition
-  Temporary Construction Easement (TCE)
-  Existing ROW (Property Line)



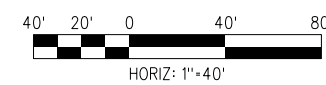
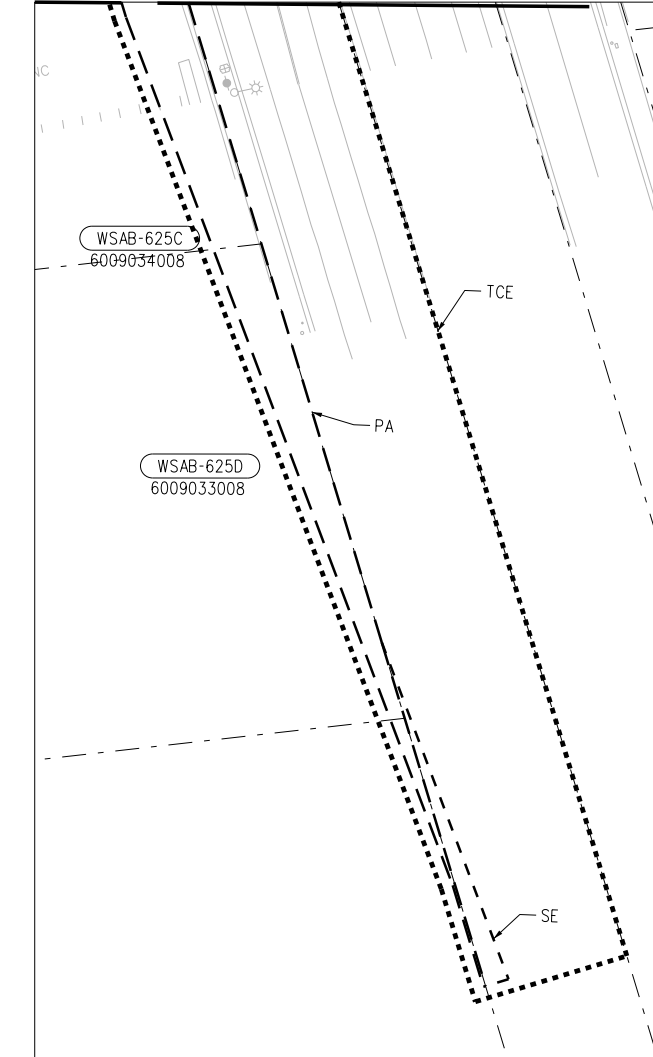
SEE TOP CENTER MATCH LINE

SEE LOWER LEFT MATCH LINE



SEE UPPER RIGHT MATCH LINE

SEE CENTER BOTTOM MATCH LINE



REVISED FINAL CONCEPTUAL ROW DRAWINGS- 10/25/2023

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
2	10/25/2023					REV FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	10/25/2023

**M** Metro  
**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

WEST SANTA ANA BRANCH LRT  
 RIGHT- OF- WAY  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN  
 STA 686+50 TO STA 691+50

CONTRACT NO  
**AE5999300**

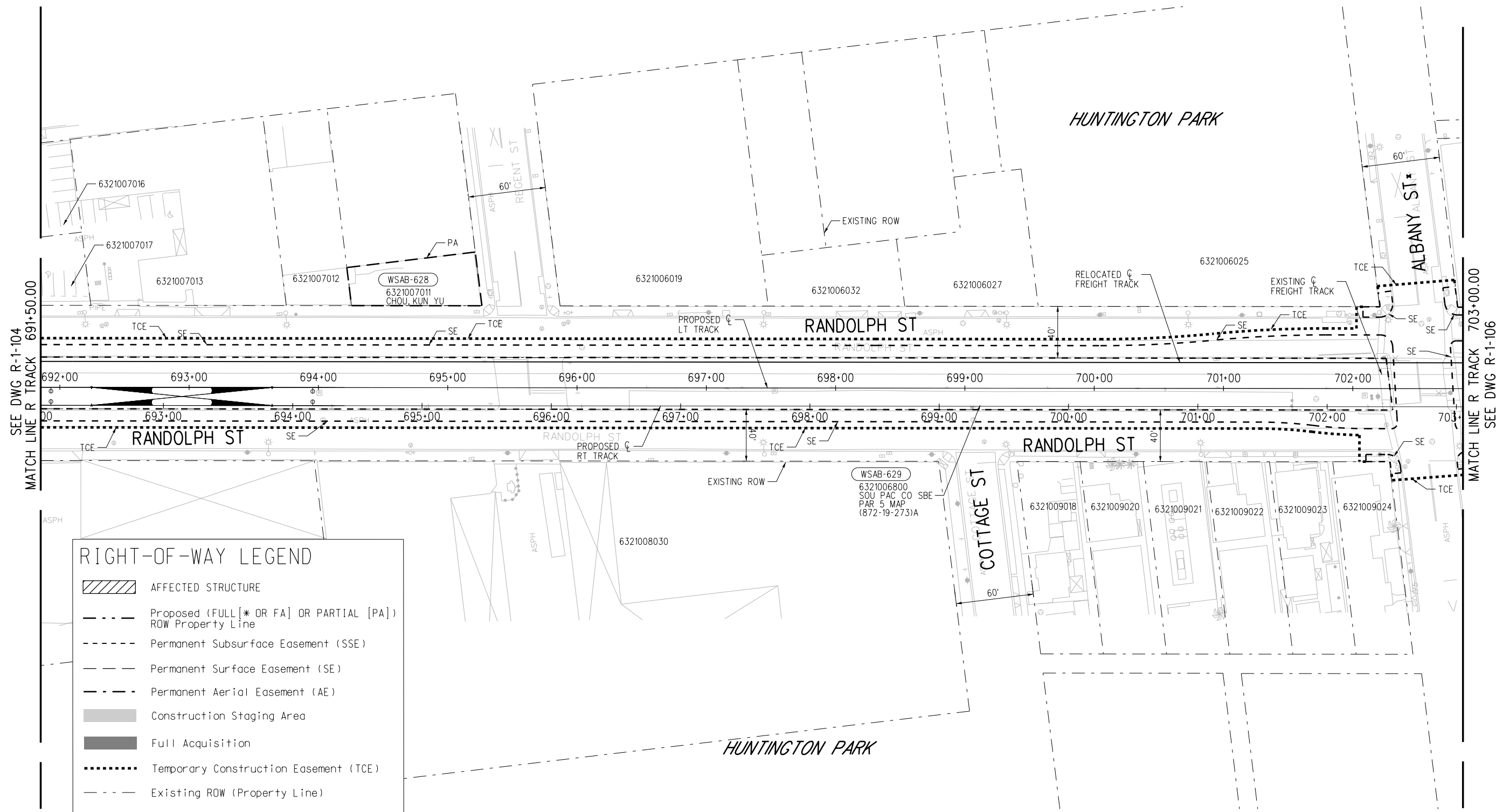
DRAWING NO  
**R-1-104**

SCALE  
 HOR: 1"=40'

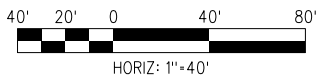
SHEET NO  
 9 OF 93

16-FEB-2024 E-28091AR104.plg  
 wsppw14-pw-svc 19:17  
 Plot Driver=MTA-half.pen  
 Pentable=bw.plt





RIGHT-OF-WAY LEGEND	
	AFFECTED STRUCTURE
	Proposed (FULL [* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



16-FEB-2024 E-28091AR105.plg

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

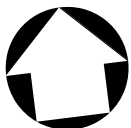
SUBMITTED	_____
APPROVED	_____

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 691+50 TO STA 702+50**

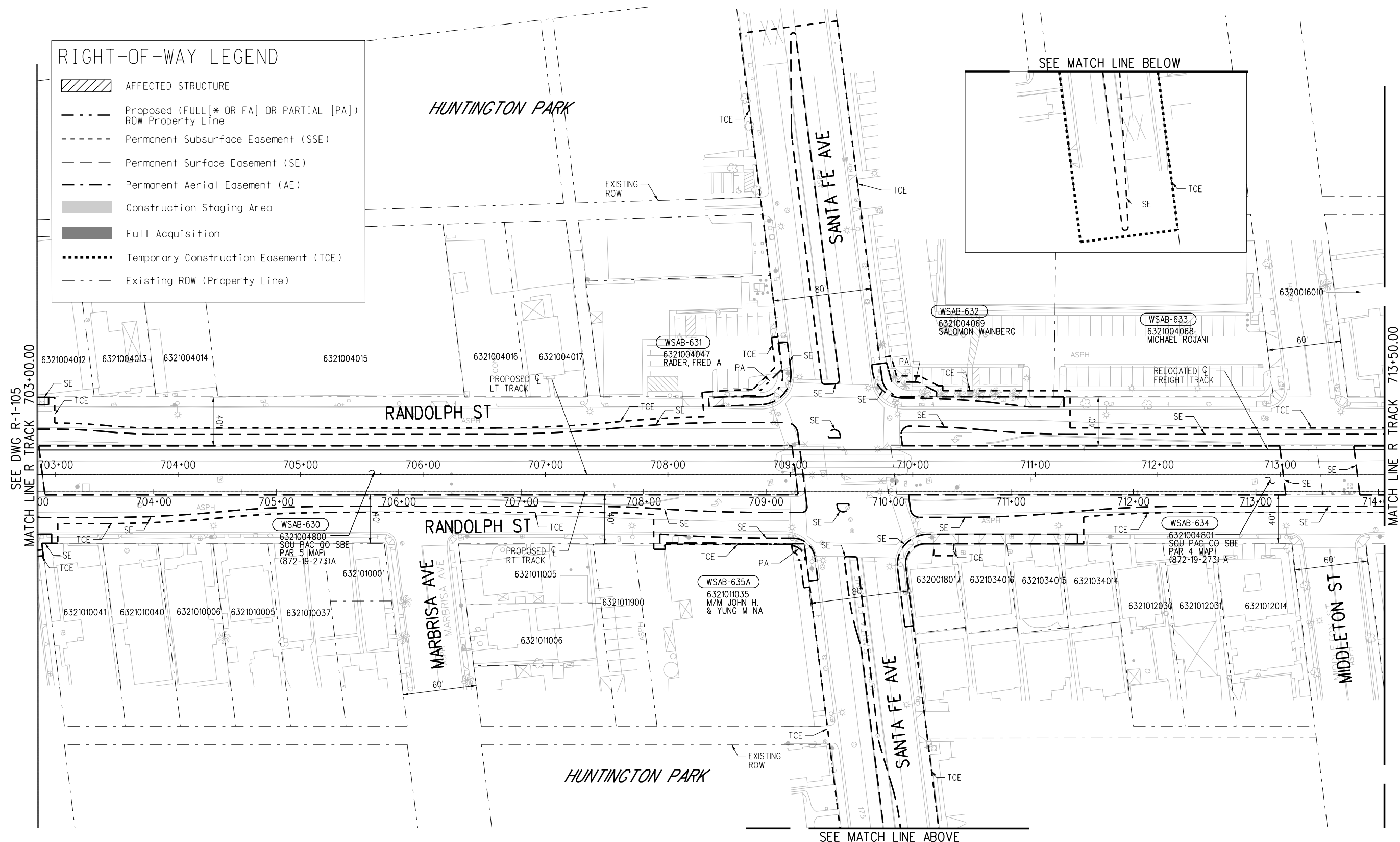
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DRAWING NO <b>R-1-105</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>10</b>	OF <b>93</b>





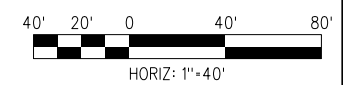
**RIGHT-OF-WAY LEGEND**

	AFFECTED STRUCTURE
	Proposed (FULL[* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



SEE DWG R-1-105  
MATCH LINE R TRACK 703+00.00

MATCH LINE R TRACK 713+50.00  
SEE DWG R-1-107



16-FEB-2024 E-28091AR106.plg  
wsppw14-pw-svc 19:18

**REVISED FINAL CONCEPTUAL ROW DRAWINGS- 10/25/2023**

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	SJ					
DRAWN BY	SJ					
CHECKED BY	CL					
IN CHARGE	RL					
DATE	10/25/2023					
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
2	10/25/2023					REV FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	10/25/2023

**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

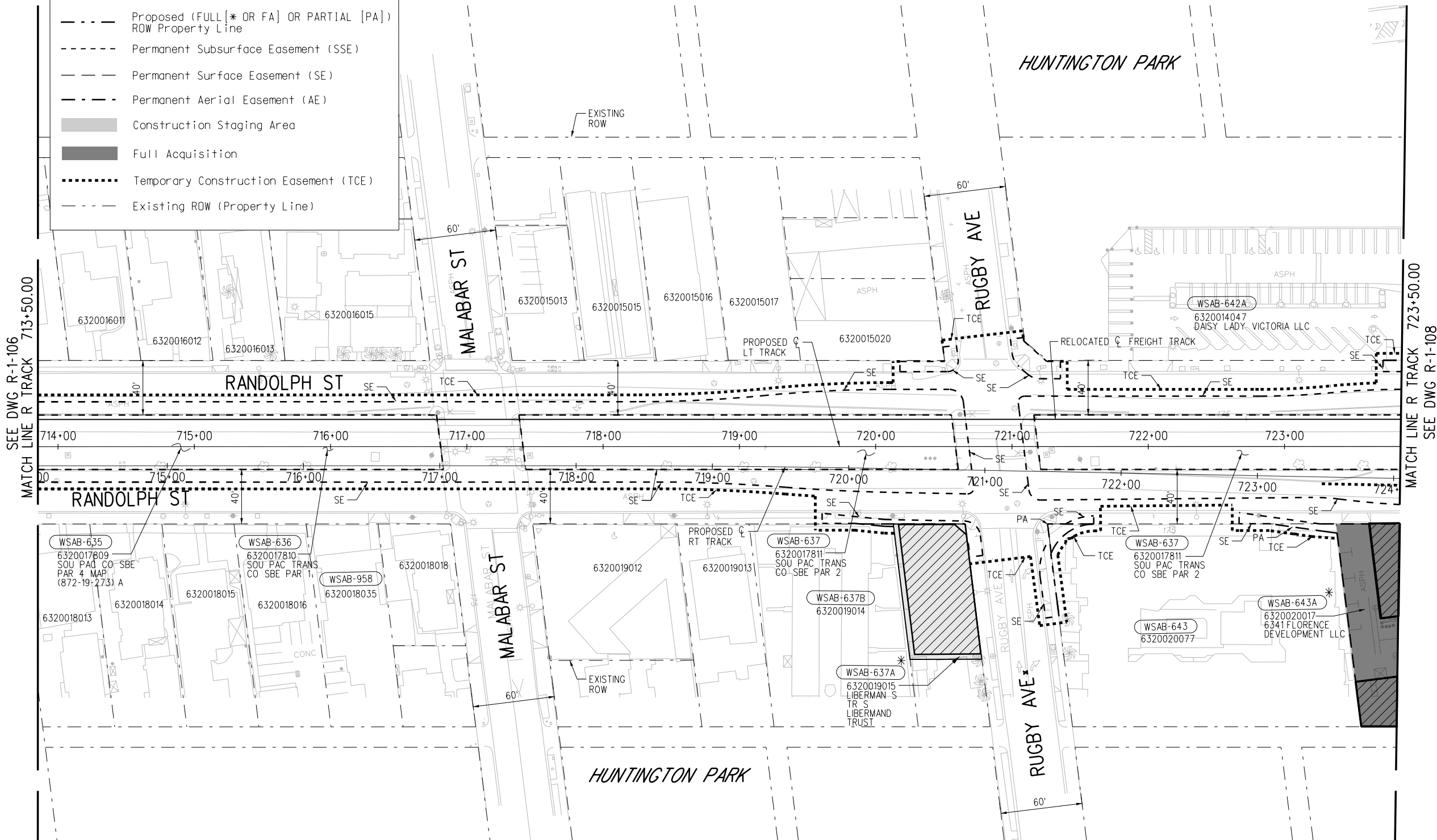
**WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN**  
 STA 702+50 TO STA 713+50

CONTRACT NO	AE5999300
DRAWING NO	R-1-106
SCALE	HOR: 1"=40'
SHEET NO	11 OF 93

**NOT FOR CONSTRUCTION**

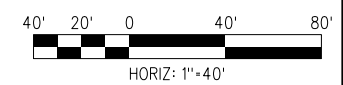


RIGHT-OF-WAY LEGEND	
	AFFECTED STRUCTURE
	Proposed (FULL[* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



SEE DWG R-1-106  
MATCH LINE R TRACK 713+50.00

MATCH LINE R TRACK 723+50.00  
SEE DWG R-1-108



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

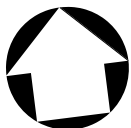
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

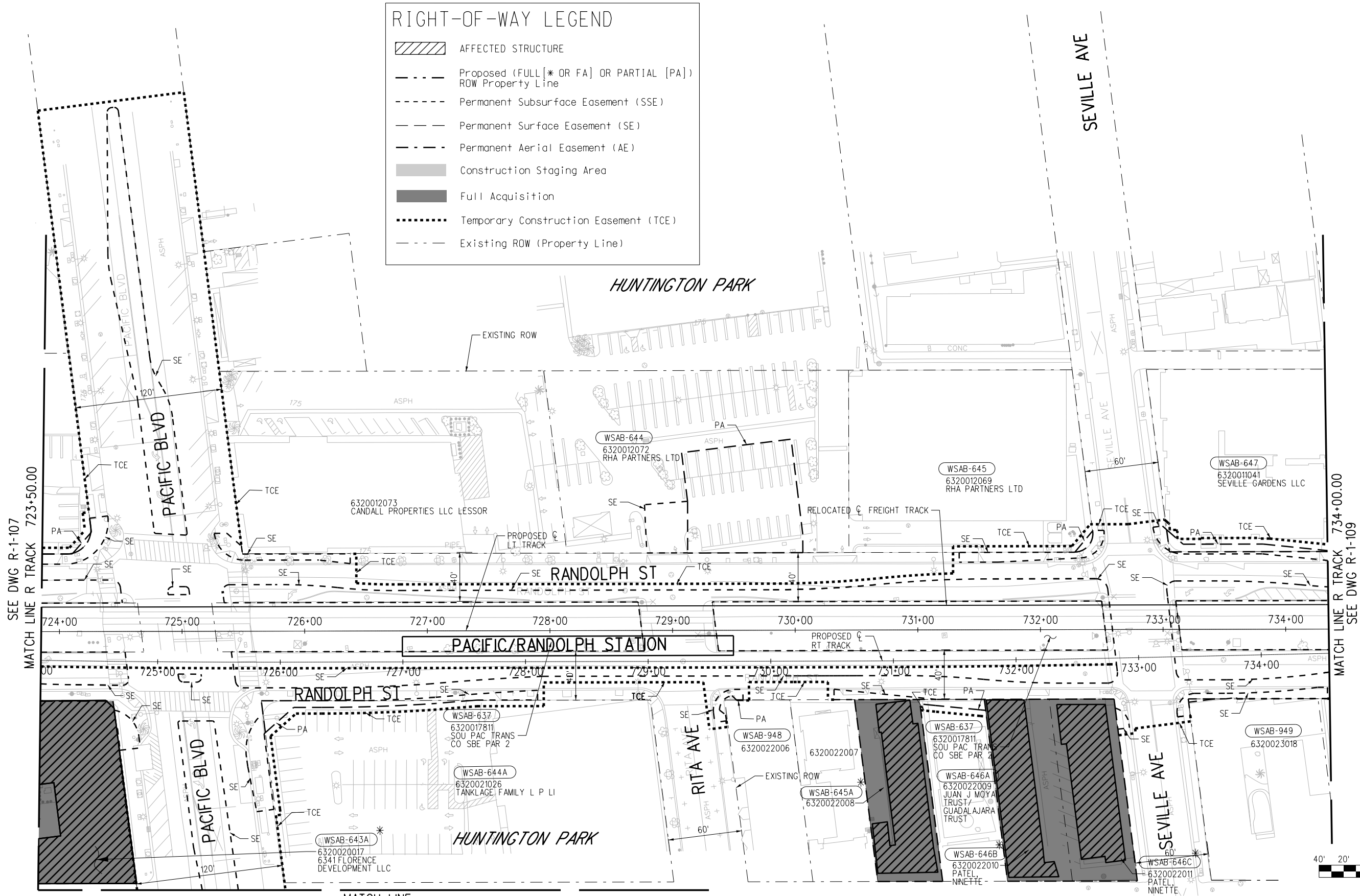
<b>WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 713+50 TO STA 723+50</b>	
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>R-1-107</b>	
SCALE <b>HOR: 1"=40'</b>	
SHEET NO. <b>12</b>	OF <b>93</b>

16-FEB-2024 E-28091AR107.plg



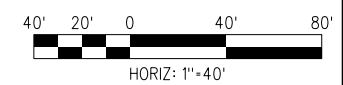
### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



SEE DWG R-1-107  
MATCH LINE R TRACK 723+50.00

MATCH LINE R TRACK 734+00.00  
SEE DWG R-1-109



16-FEB-2024 E-28091AR108.plg  
wsppw14-pw-svc 19:18

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

MATCH LINE  
SEE DWG R-1-108A

**NOT FOR CONSTRUCTION**

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

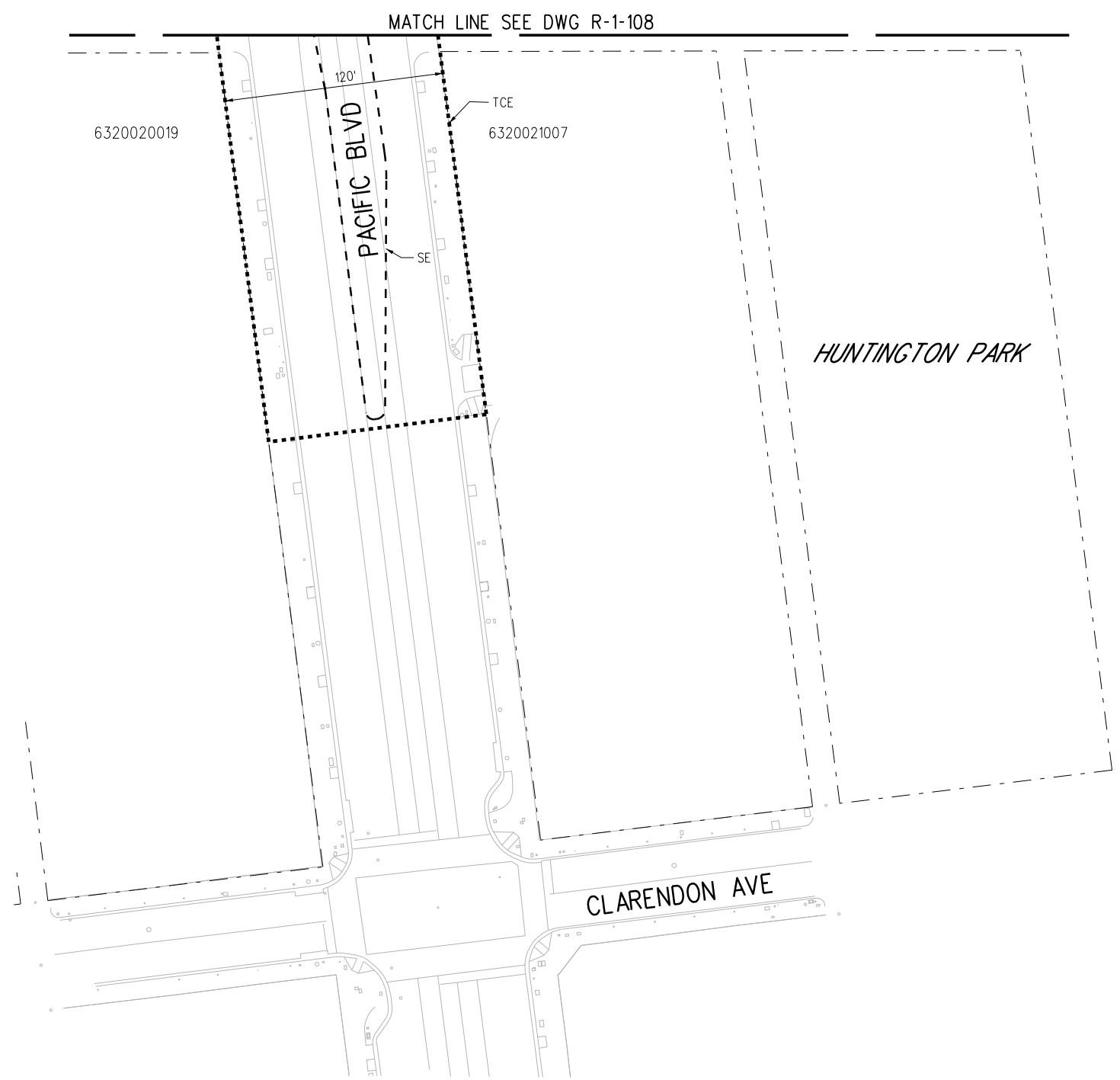
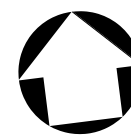
515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

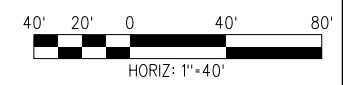
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 723+50 TO STA 734+00**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-108</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>13</b>	OF <b>93</b>



RIGHT-OF-WAY LEGEND	
	AFFECTED STRUCTURE
	Proposed (FULL [* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



**NOT FOR CONSTRUCTION**

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF - WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN**

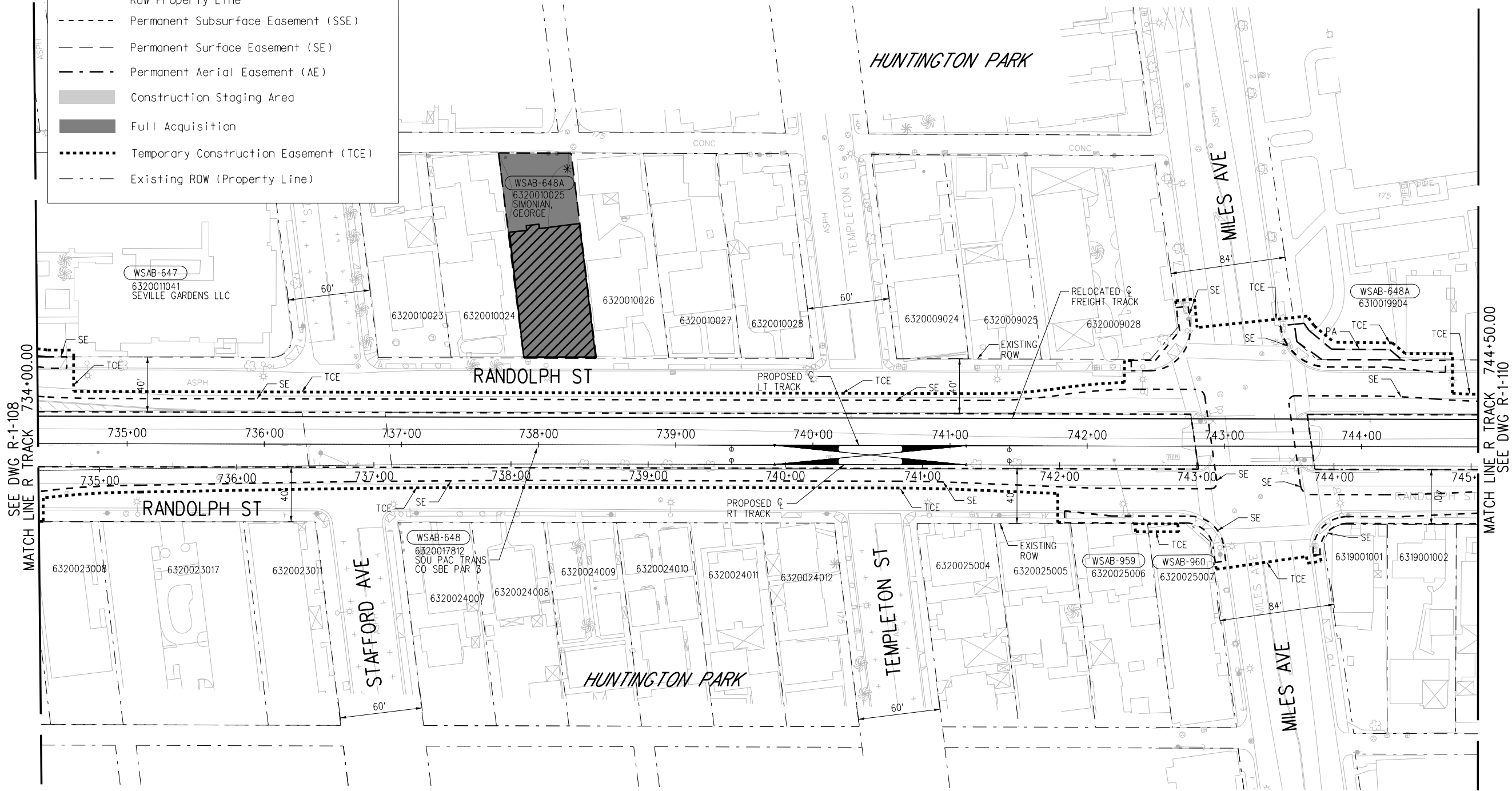
CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-108A</b>	REV
SCALE HOR: 1"=40'	
SHEET NO <b>14</b>	OF <b>93</b>

16-FEB-2024 E-28091AR108A.plt



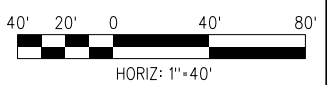
### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL[\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



SEE DWG R-1-108  
MATCH LINE R TRACK 734+00.00

MATCH LINE R TRACK 744+50.00  
SEE DWG R-1-110



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**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.						
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

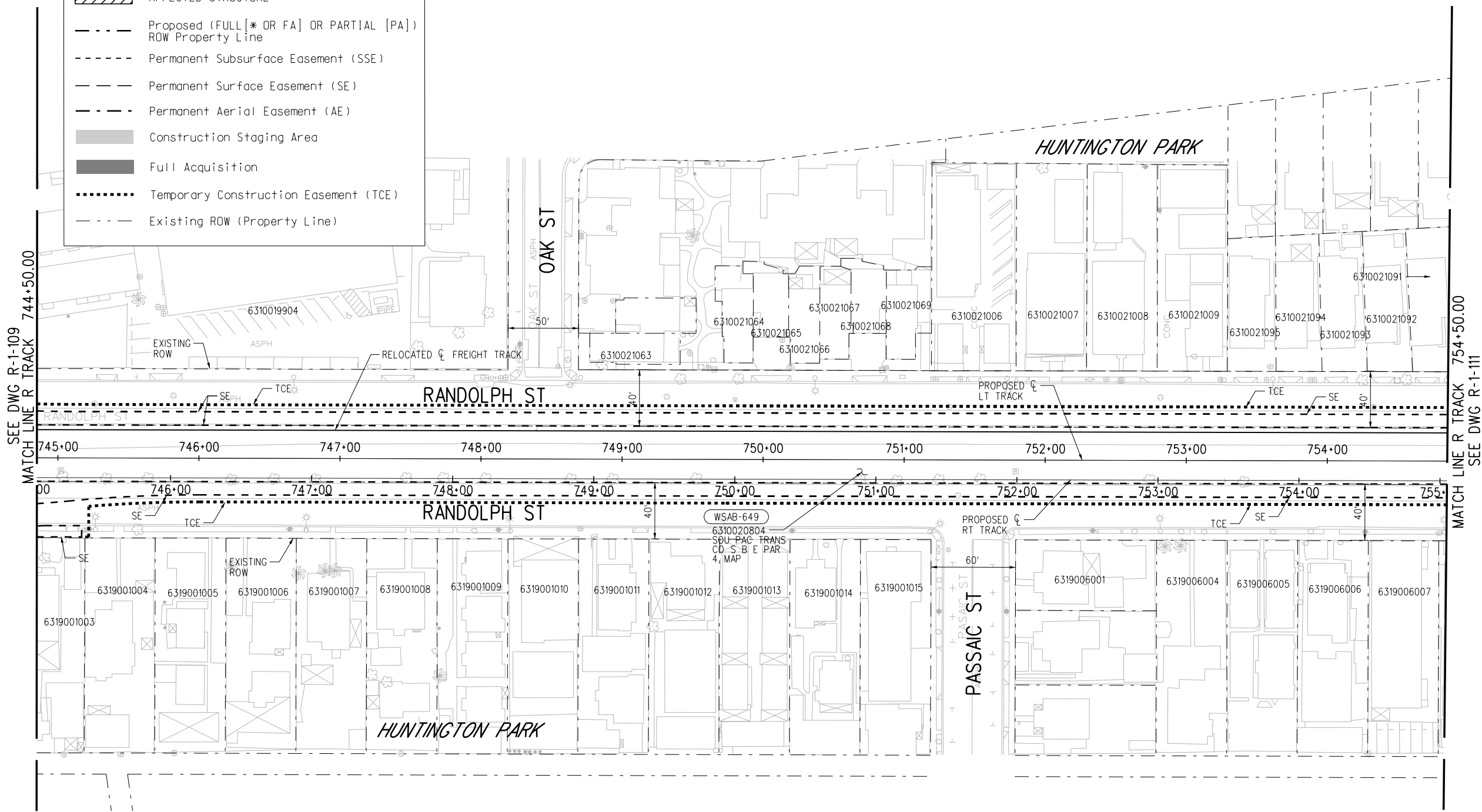
SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH LRT</b>	
<b>RIGHT- OF- WAY</b>	
<b>LOCALLY PREFERRED ALTERNATIVE PLAN</b>	
<b>STA 734+00 TO STA 744+50</b>	
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>R-1-109</b>	
SCALE <b>HOR: 1"=40'</b>	
SHEET NO. <b>15</b>	OF <b>93</b>

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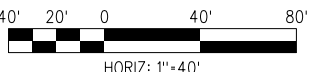


RIGHT-OF-WAY LEGEND	
	AFFECTED STRUCTURE
	Proposed (FULL [* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



SEE DWG R-1-109  
MATCH LINE R TRACK 744+50.00

MATCH LINE R TRACK 754+50.00  
SEE DWG R-1-111



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

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Plot Driver=MTA-half.pen

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

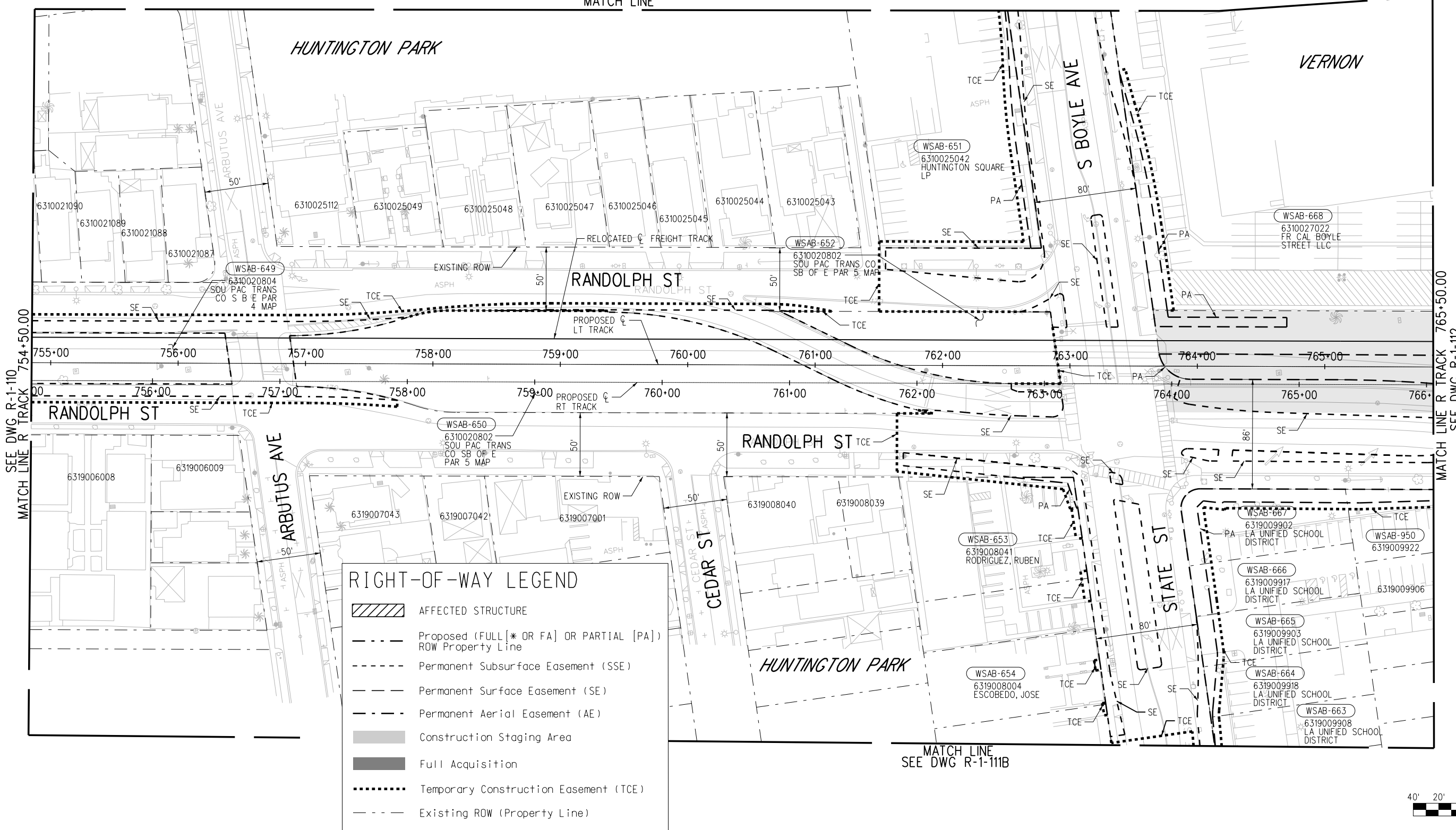
SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 744+50 TO STA 754+50</b>	
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>R-1-110</b>	
SCALE <b>HOR: 1"=40'</b>	
SHEET NO. <b>16</b>	OF <b>93</b>

16-FEB-2024 E-28091AR110.plt

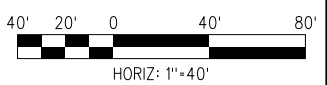


SEE DWG R-1-111A  
MATCH LINE



**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



SEE DWG R-1-110  
MATCH LINE R TRACK 754+50.00

MATCH LINE R TRACK 765+50.00  
SEE DWG R-1-112

MATCH LINE  
SEE DWG R-1-111B

16-FEB-2024 E-28091AR111.plg  
wsppw14-pw-svc 19:18

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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	SJ	DATE	4/14/2023	REV	1	DESCRIPTION
DRAWN BY	SJ	BY		APP		REG NO.
CHECKED BY	CL	EXPIRES		SEAL HOLDER		
IN CHARGE	RL					
DATE	4/14/2023					

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

**Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

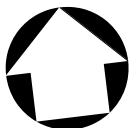
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

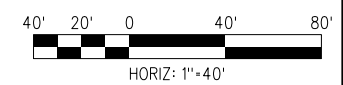
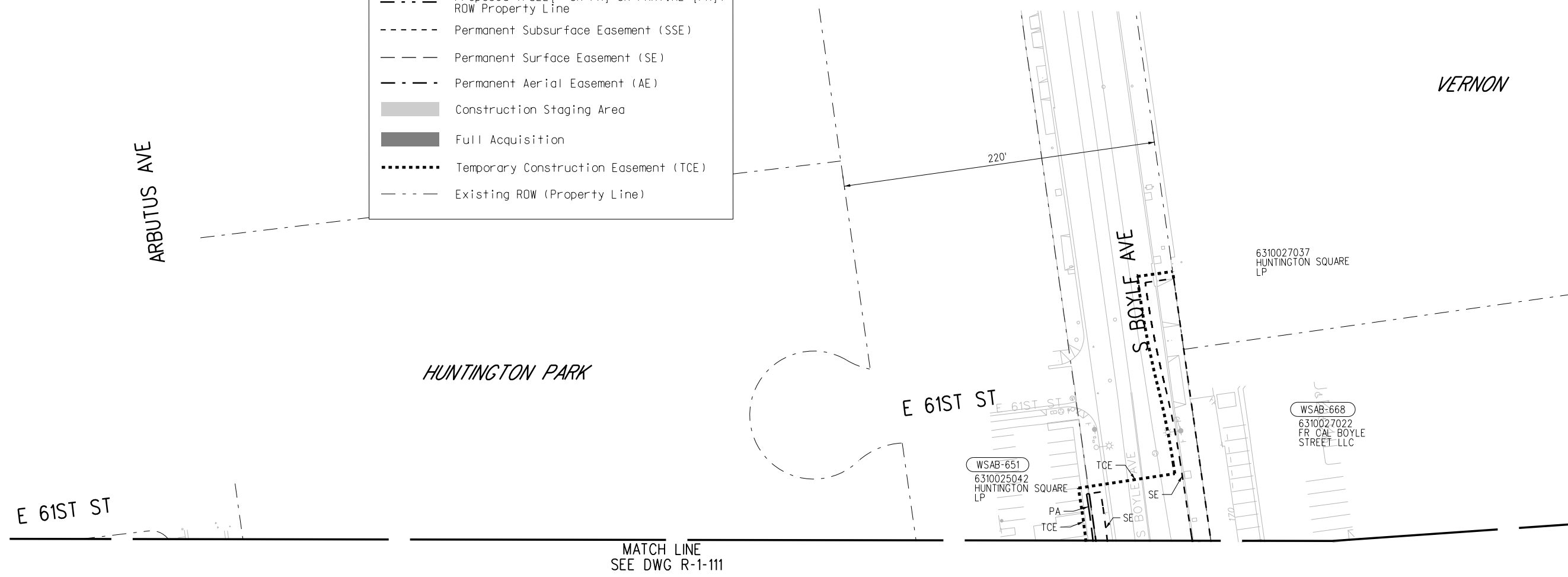
**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 754+50 TO STA 765+50**

CONTRACT NO.	AE5999300
DRAWING NO.	R-1-111
SCALE	HOR: 1"=40'
SHEET NO.	17 OF 93

**NOT FOR CONSTRUCTION**



RIGHT-OF-WAY LEGEND	
	AFFECTED STRUCTURE
	Proposed (FULL[* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



**NOT FOR CONSTRUCTION**

16-FEB-2024 E-28091AR111A.plg

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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	SJ	DATE	4/14/2023	BY		DESCRIPTION
DRAWN BY	SJ	APP		REG NO.		FINAL CONCEPTUAL ROW DRAWINGS
CHECKED BY	CL	EXPIRES		SEAL HOLDER		
IN CHARGE	RL					
DATE	4/14/2023					
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

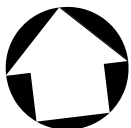
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH LRT</b>		CONTRACT NO.	AE5999300
<b>RIGHT- OF- WAY</b>		DRAWING NO.	R-1-111A
<b>LOCALLY PREFERRED ALTERNATIVE PLAN</b>		SCALE	HOR: 1"=40'
		SHEET NO.	18 OF 93





SEE DWG R-1-111  
MATCH LINE

HUNTINGTON PARK

ARBUTUS AVE

CEDAR ST

WSAB-655  
6319008005  
GOMEZ, RAFAEL

6319008006  
ESCOBEDO, JOSE

STATE ST

6319009901  
LA UNIFIED SCHOOL  
DISTRICT

6319009921  
LA UNIFIED SCHOOL  
DISTRICT

6319009923  
LA UNIFIED SCHOOL  
DISTRICT

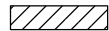

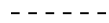






6319009916  
LA UNIFIED SCHOOL  
DISTRICT

6319009919  
LA UNIFIED SCHOOL  
DISTRICT

6319009924  
LA UNIFIED SCHOOL  
DISTRICT

HUNTINGTON PARK

**RIGHT-OF-WAY LEGEND**

-  AFFECTED STRUCTURE
-  Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
-  Permanent Subsurface Easement (SSE)
-  Permanent Surface Easement (SE)
-  Permanent Aerial Easement (AE)
-  Construction Staging Area
-  Full Acquisition
-  Temporary Construction Easement (TCE)
-  Existing ROW (Property Line)



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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	SJ					
DRAWN BY	SJ					
CHECKED BY	CL					
IN CHARGE	RL					
DATE	4/14/2023					
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

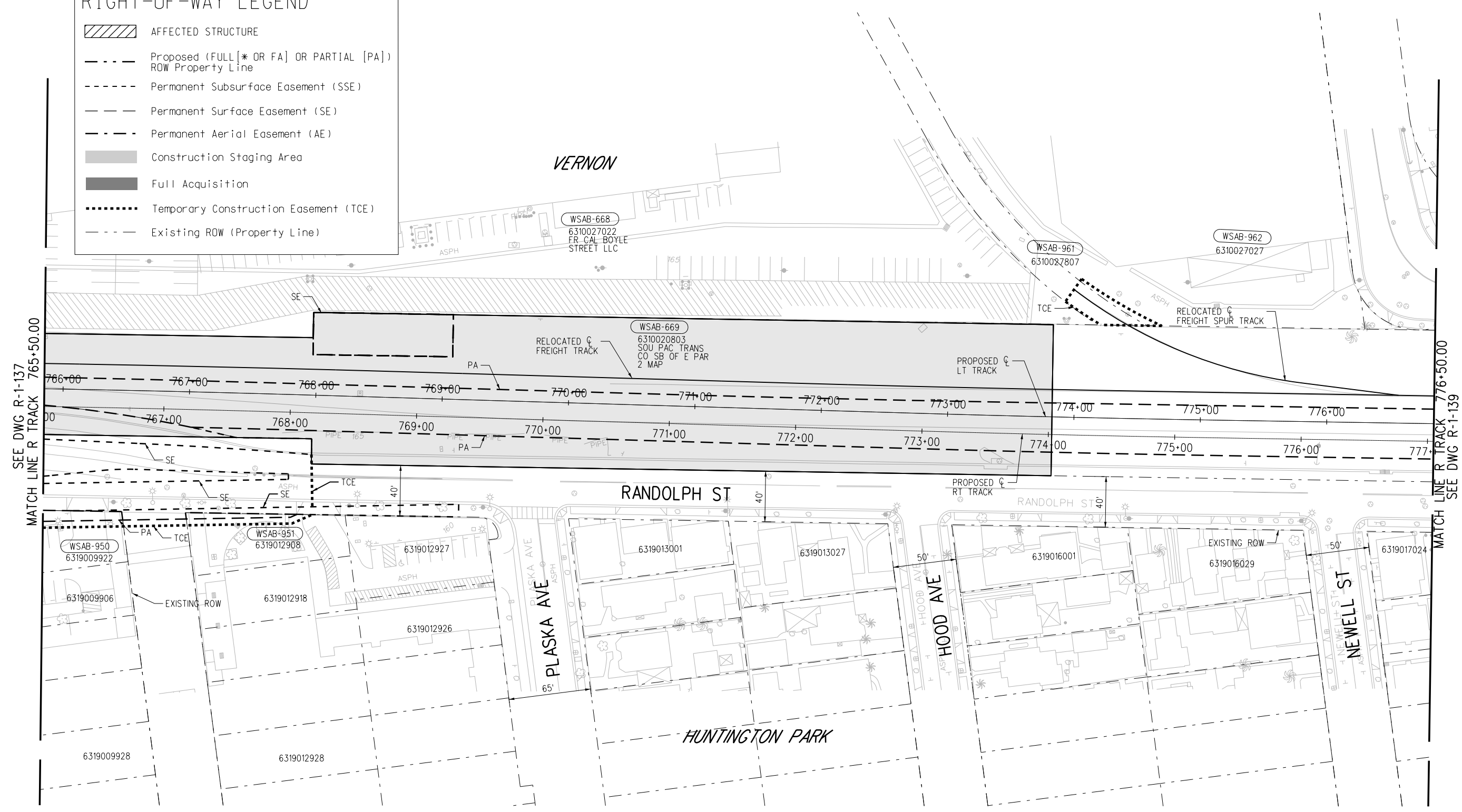
**WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN**

CONTRACT NO	AE5999300	
DRAWING NO	R-1-111B	REV
SCALE	HOR: 1"=40'	
SHEET NO	19	OF 93

16-FEB-2024 E-28091AR111B.plg

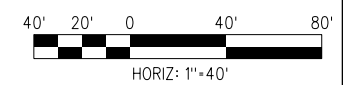


RIGHT-OF-WAY LEGEND	
	AFFECTED STRUCTURE
	Proposed (FULL [* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



SEE DWG R-1-137  
MATCH LINE R TRACK 765+50.00

MATCH LINE R TRACK 776+50.00  
SEE DWG R-1-139



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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.						
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

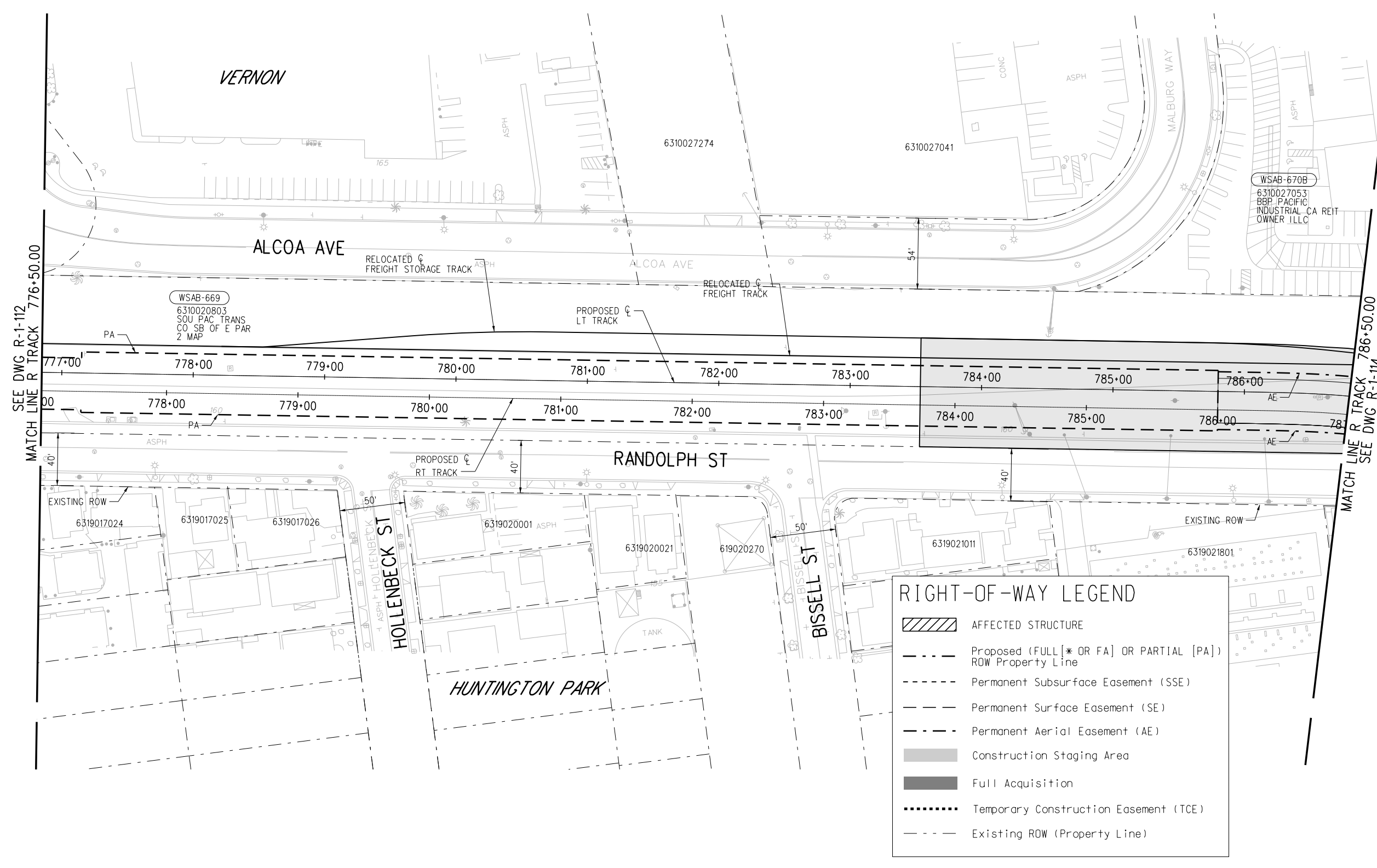
SUBMITTED	_____
APPROVED	_____

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 765+50 TO STA 776+50**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-112</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>20</b>	OF <b>93</b>

16-FEB-2024 E-28091AR112.plt  
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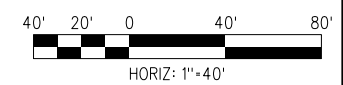


**NOTES:**

1. FINAL DIMENSIONS OF CONSTRUCTION STAGING AREA TO BE COORDINATED WITH FREIGHT RAILROAD AND THEIR OPERATIONS. THIS STAGING AREA WOULD BE TCE RATHER THAN PA.

**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



16-FEB-2024 E-28091AR113.plg  
wsppw14-pw-svc 19:17

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

DESIGNED BY SJ	DRAWN BY SJ	CHECKED BY CL	IN CHARGE RL	DATE 4/14/2023			
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.	1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY SJ	DRAWN BY SJ	CHECKED BY CL	IN CHARGE RL	DATE 4/14/2023
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**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

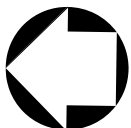
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 776+50 TO STA 786+50**

CONTRACT NO <b>AE5999300</b>	REV
DRAWING NO <b>R-1-113</b>	
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>21</b>	OF <b>93</b>

**NOT FOR CONSTRUCTION**

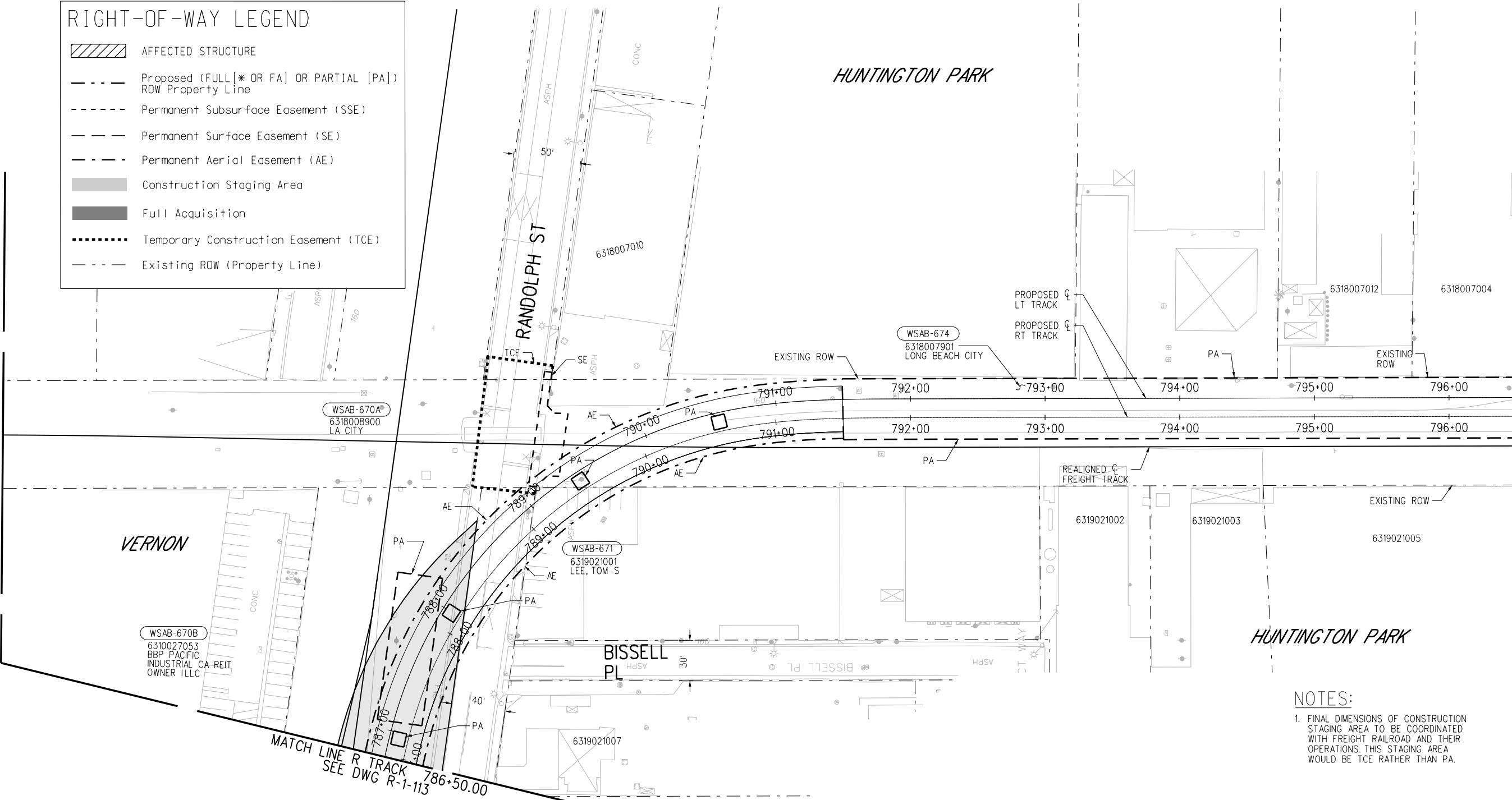


**RIGHT-OF-WAY LEGEND**

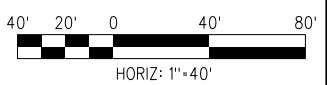
	AFFECTED STRUCTURE
	Proposed (FULL [* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)

MATCH LINE  
SEE DWG R-1-114A

MATCH LINE R TRACK 796+50.00  
SEE DWG R-1-115



**NOTES:**  
1. FINAL DIMENSIONS OF CONSTRUCTION STAGING AREA TO BE COORDINATED WITH FREIGHT RAILROAD AND THEIR OPERATIONS. THIS STAGING AREA WOULD BE TCE RATHER THAN PA.



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

16-FEB-2024 E-28091AR114.plg  
wspw14-pw-svc 19:18

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 786+50 TO STA 796+50**

CONTRACT NO <b>AE5999300</b>
DRAWING NO <b>R-1-114</b>
SCALE <b>HOR: 1"=40'</b>
SHEET NO <b>22 OF 93</b>





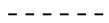

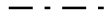




HUNTINGTON PARK

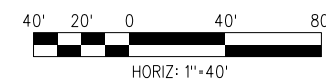
VERNON

RELOCATED  $\phi$   
FREIGHT TRACK  
WSAB-670A  
6318008900  
LA CITY

SEE DWG R-1-114  
MATCH LINE

RIGHT-OF-WAY LEGEND

-  AFFECTED STRUCTURE
-  Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
-  Permanent Subsurface Easement (SSE)
-  Permanent Surface Easement (SE)
-  Permanent Aerial Easement (AE)
-  Construction Staging Area
-  Full Acquisition
-  Temporary Construction Easement (TCE)
-  Existing ROW (Property Line)



**NOT FOR CONSTRUCTION**

FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023

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
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY  
SJ  
DRAWN BY  
SJ  
CHECKED BY  
CL  
IN CHARGE  
RL  
DATE  
4/14/2023



LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY

wsp 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
RIGHT- OF - WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN

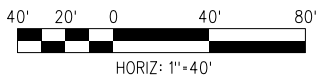
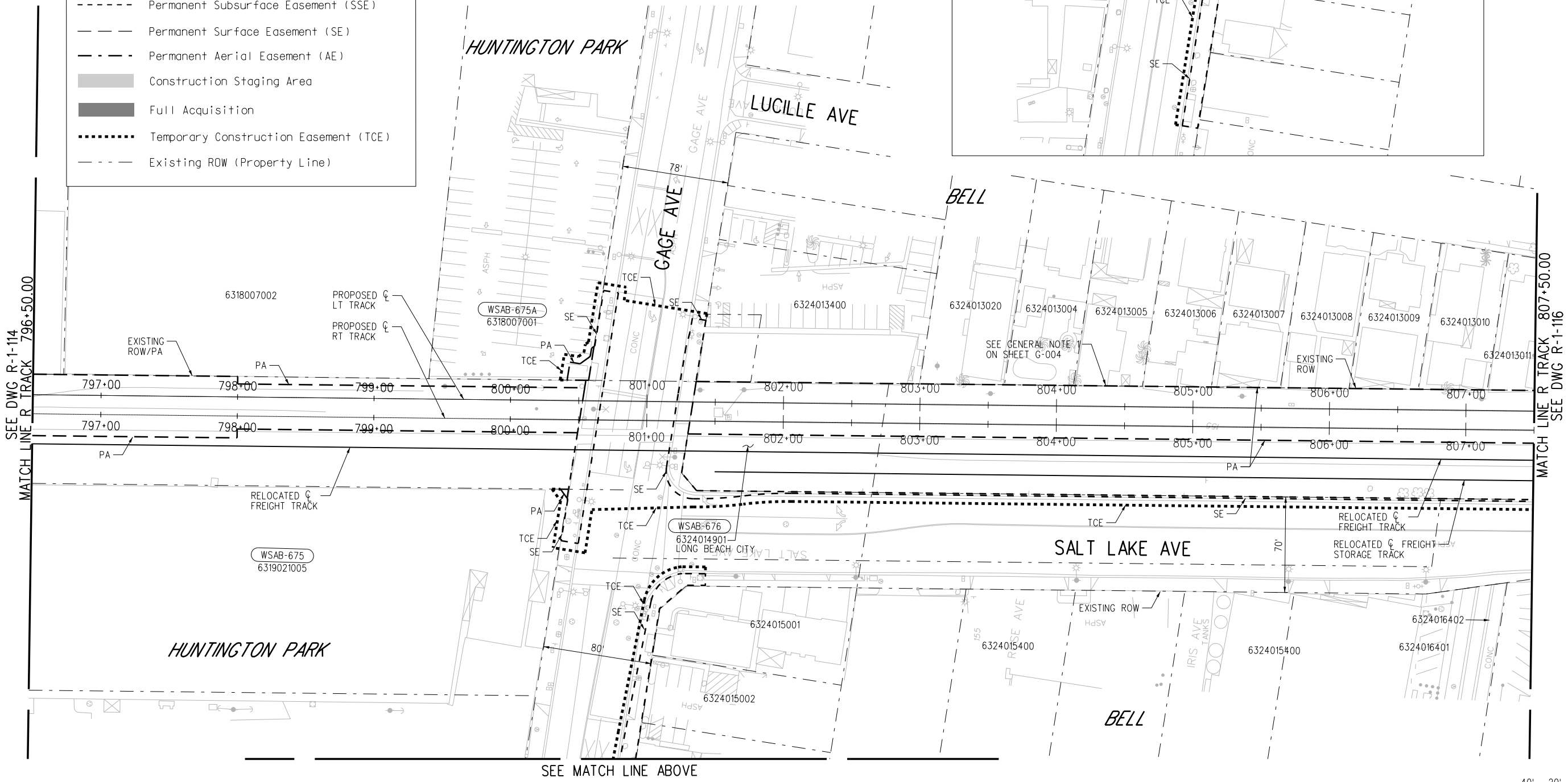
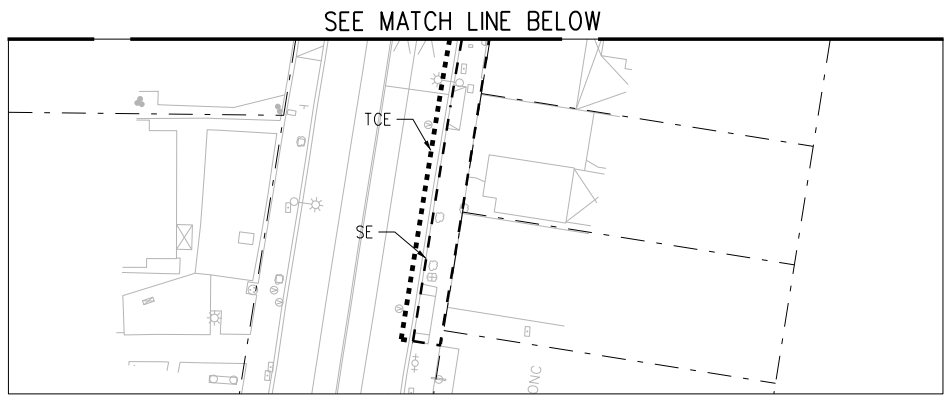
CONTRACT NO AE5999300	
DRAWING NO R-1-114A	REV
SCALE HOR: 1"=40'	
SHEET NO 23	OF 93

16-FEB-2024 E-28091AR114A.plg



**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 796+50 TO STA 807+50**

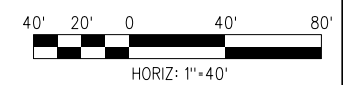
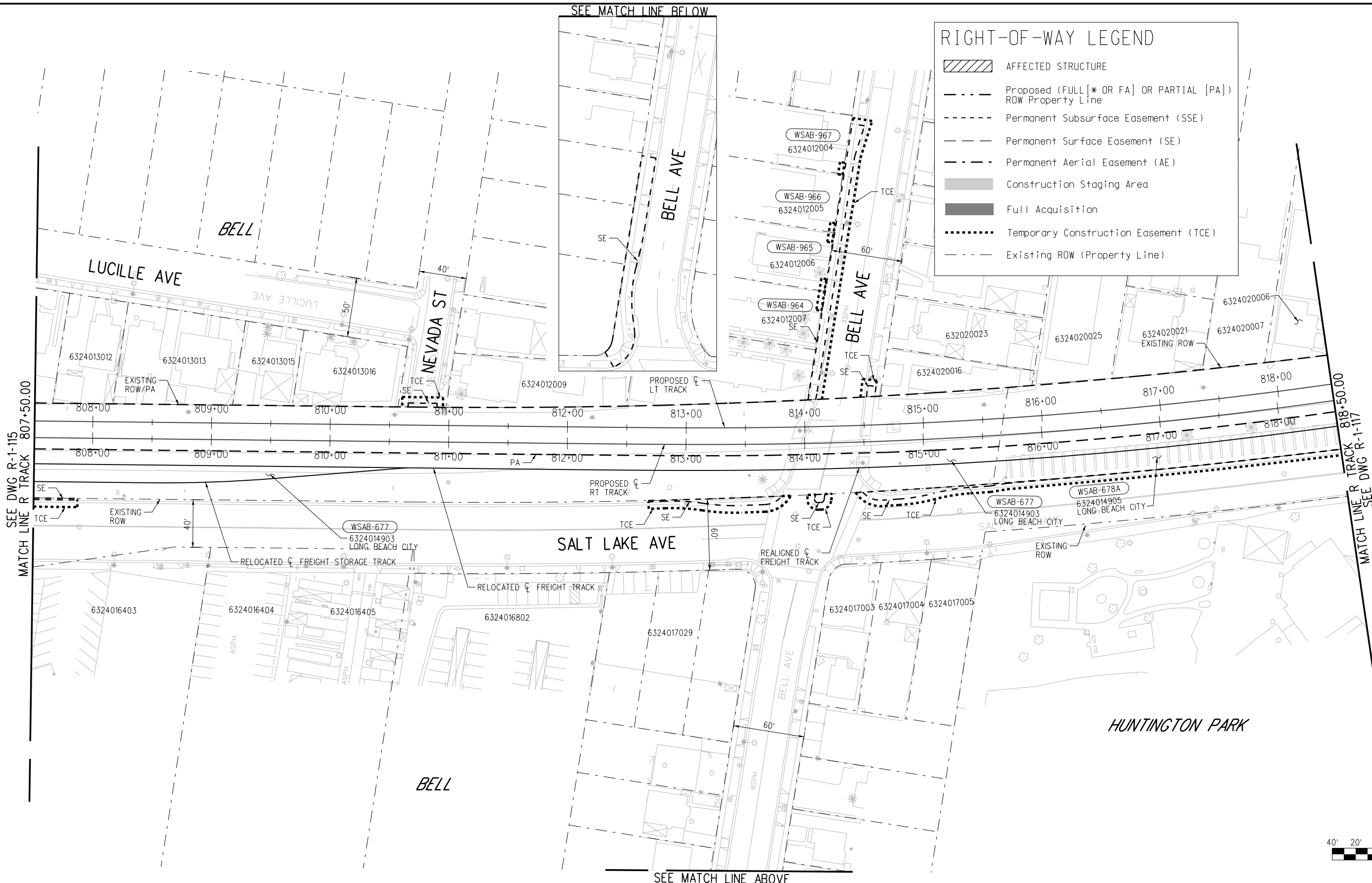
CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-115</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>24</b>	OF <b>93</b>

16-FEB-2024 E-28091AR115.plt



### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

16-FEB-2024 E-28091AR116.plg

wspw14-pw-svc 19:16

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 SJ
1	4/14/2023	DRAWN BY SJ
REV	DATE	CHECKED BY CL
BY	APP	IN CHARGE RL
REG NO.	EXPIRES	DATE 4/14/2023
SEAL HOLDER	DESCRIPTION	FINAL CONCEPTUAL ROW DRAWINGS

<p><b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b></p>	<p>515 South Figueroa Street Suite 1400 Los Angeles, CA 90071</p>
--	---

<p>515 South Figueroa Street Suite 1400 Los Angeles, CA 90071</p>	<p>SUBMITTED _____</p> <p>APPROVED _____</p>
---	--

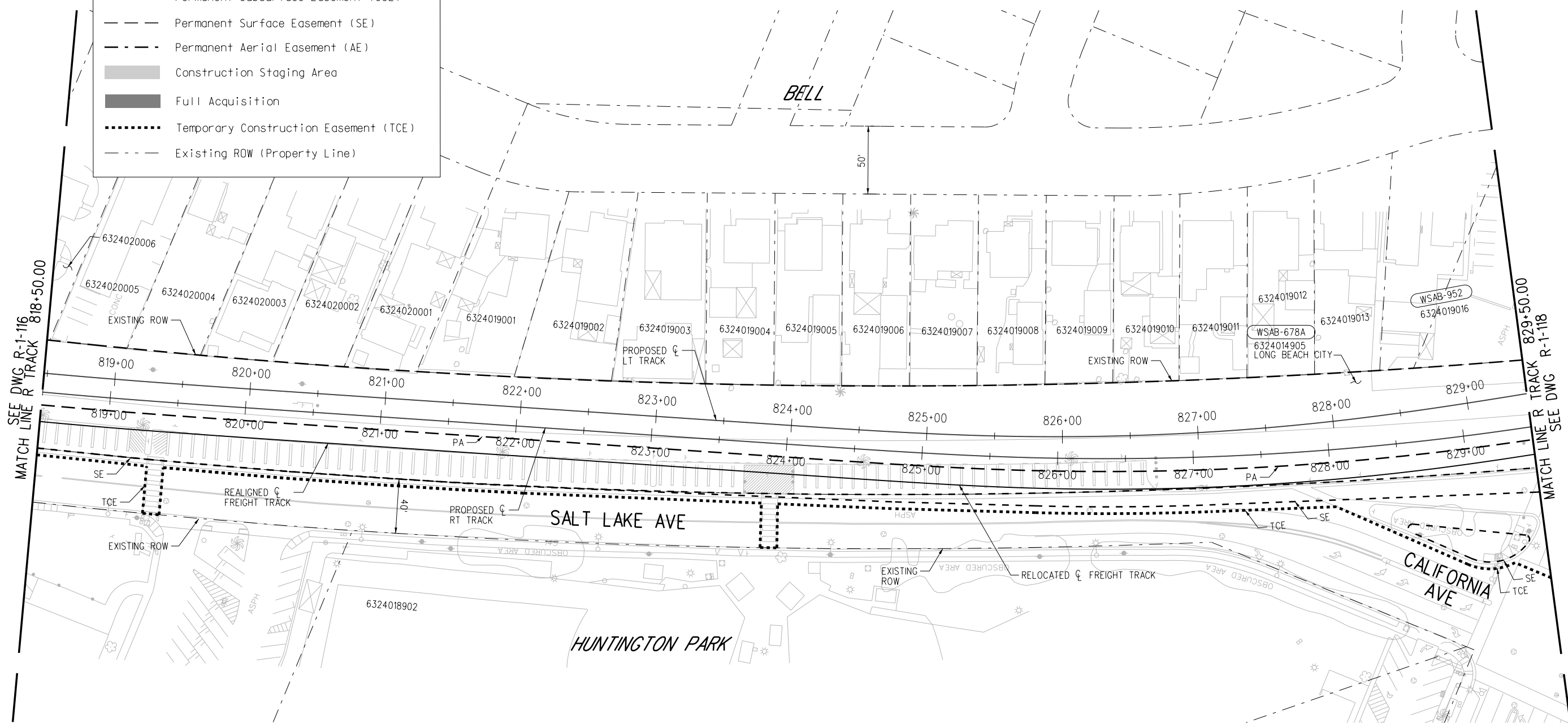
**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 807+50 TO STA 818+50**

CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>R-1-116</b>	
SCALE <b>HOR: 1"=40'</b>	
SHEET NO. <b>25</b>	OF <b>93</b>



### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



16-FEB-2024 E-28091AR117.plt  
wsppw14-pw-svc 19:20

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 818+50 TO STA 829+50**

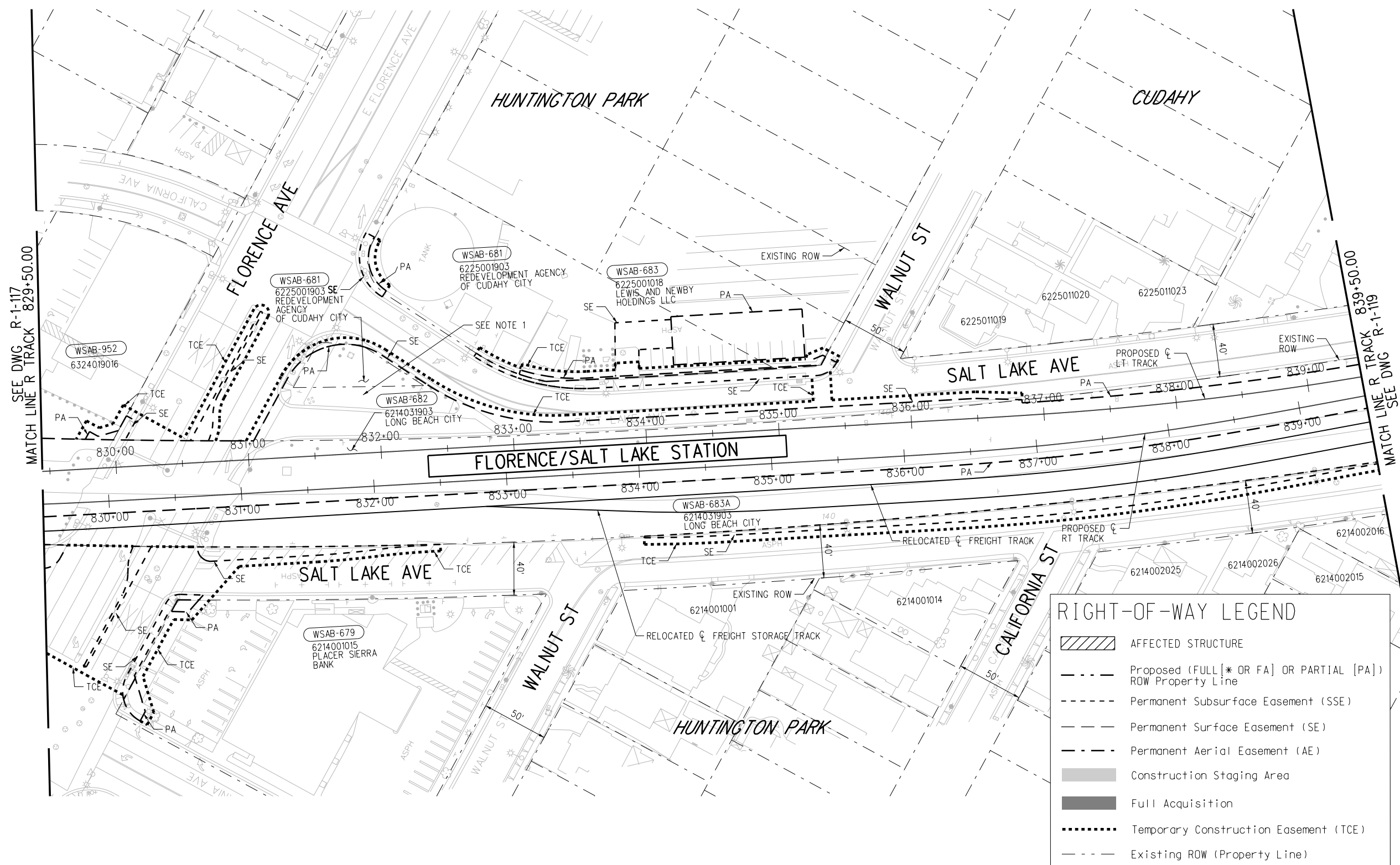
CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-117</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>26</b>	OF <b>93</b>

**NOT FOR CONSTRUCTION**



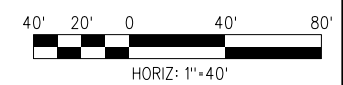


NOTES:  
 1. SLIP ROAD WILL BE ABANDONED



**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



16-FEB-2024 E-28091AR118.plg  
 wsppw14-pw-svc 19:19

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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	SJ					
DRAWN BY	SJ					
CHECKED BY	CL					
IN CHARGE	RL					
DATE	4/14/2023					
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY	SJ	
DRAWN BY	SJ	
CHECKED BY	CL	
IN CHARGE	RL	
DATE	4/14/2023	

**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
 RIGHT- OF- WAY  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN  
 STA 829+50 TO STA 839+50**

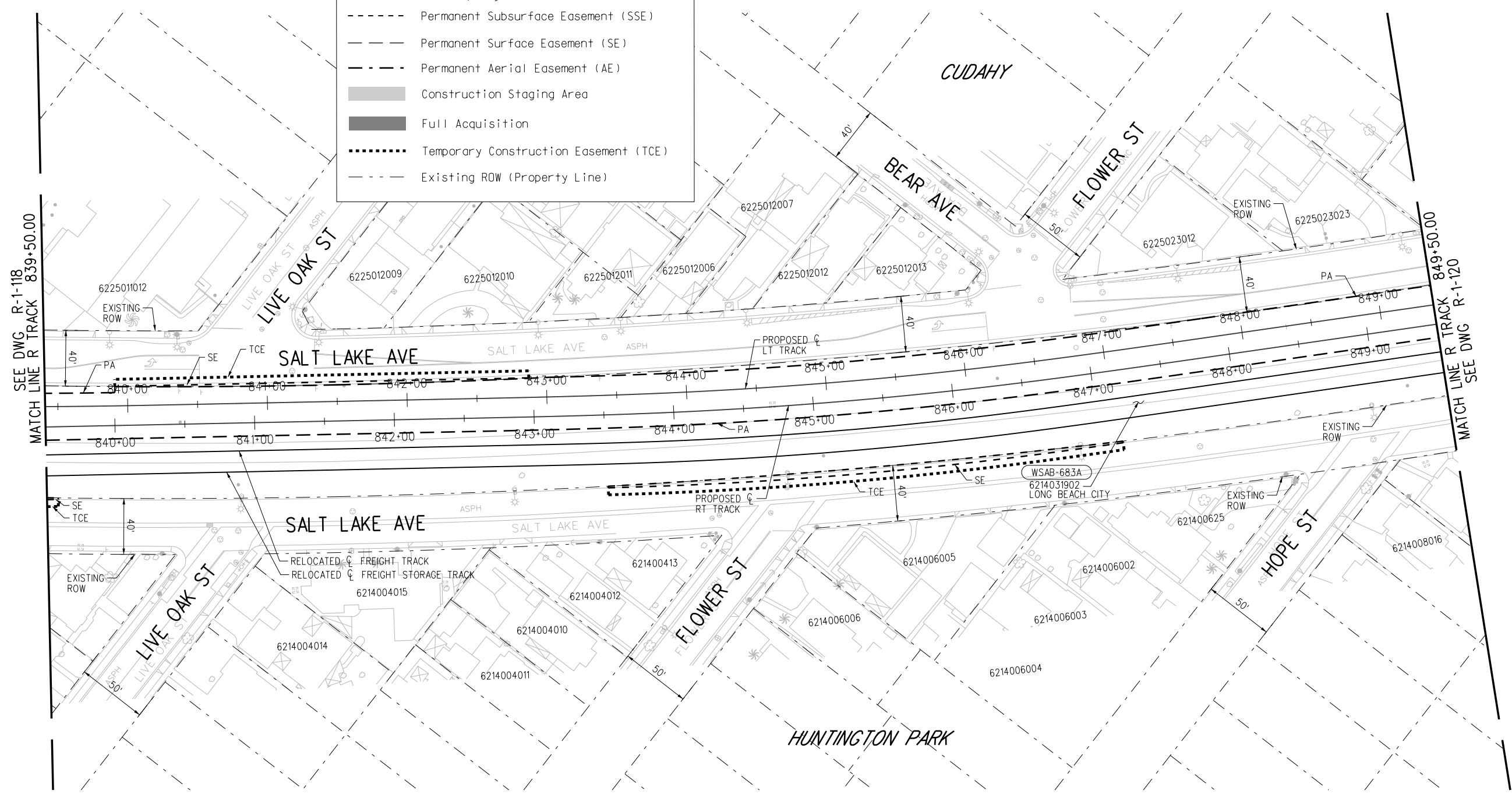
CONTRACT NO	AE5999300	
DRAWING NO	R-1-118	REV
SCALE	HOR: 1"=40'	
SHEET NO	27	OF 93

**NOT FOR CONSTRUCTION**

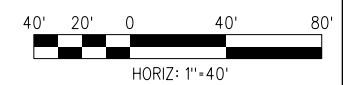


**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



16-FEB-2024 E-28091AR119.plg  
wspdw14-pw-svc 19:16



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

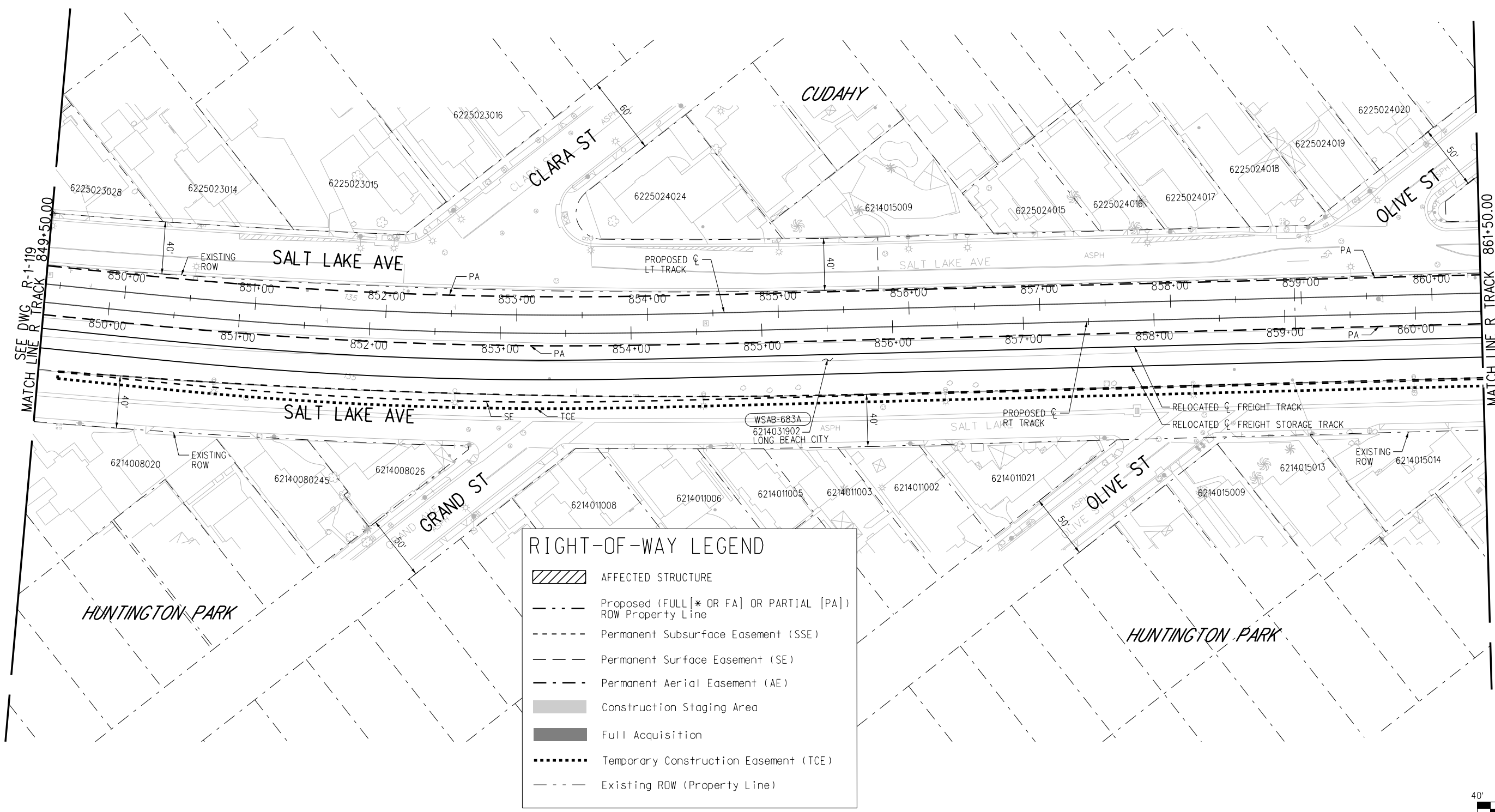
DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

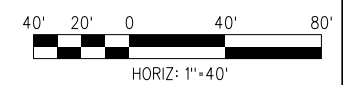
SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 839+50 TO STA 849+50</b>	
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>R-1-119</b>	SCALE <b>HOR: 1"=40'</b>
SHEET NO. <b>28</b>	OF <b>93</b>



### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT**

**RIGHT- OF- WAY**

**LOCALLY PREFERRED ALTERNATIVE PLAN**

**STA 849+50 TO STA 861+50**

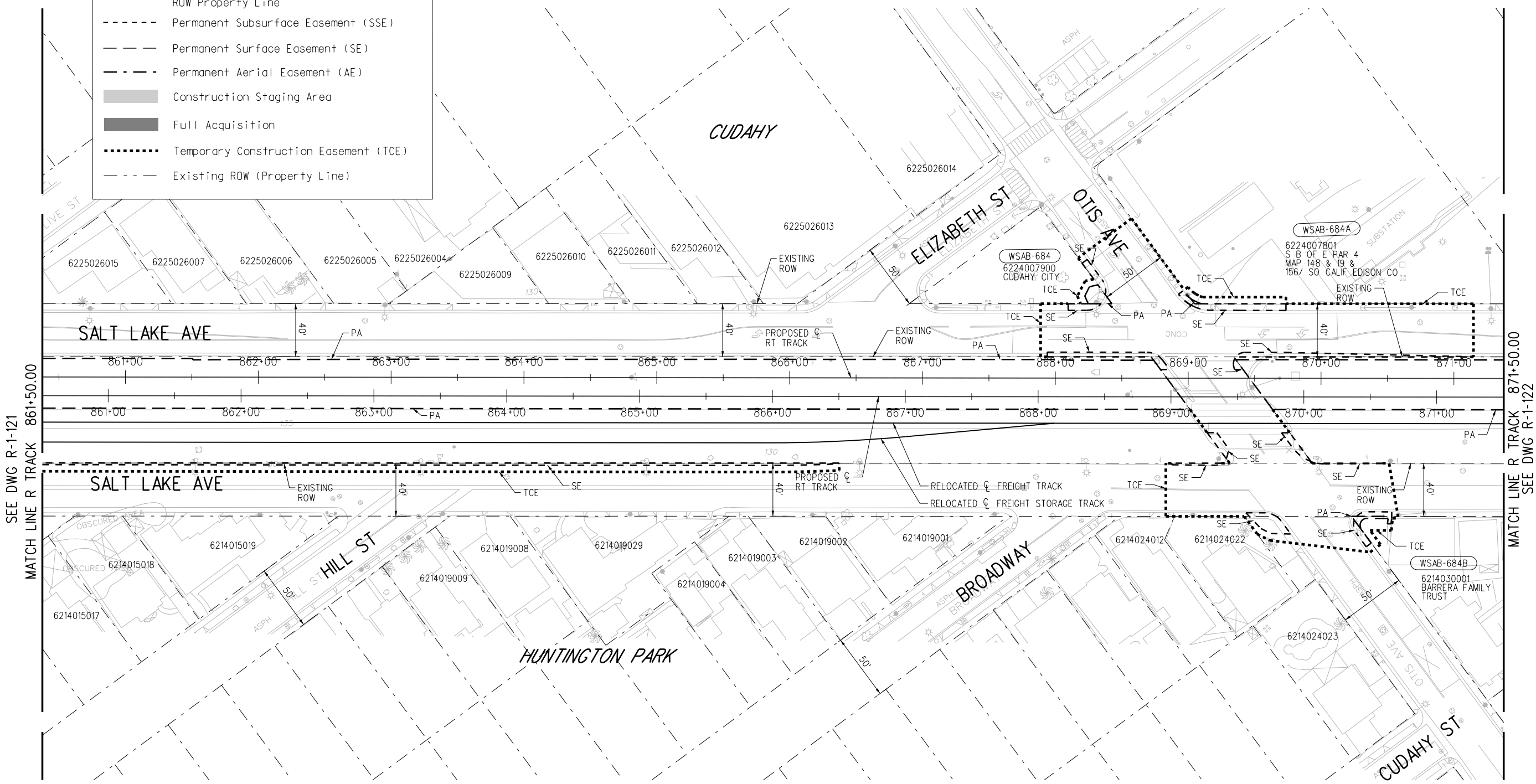
CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-120</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>29</b>	OF <b>93</b>

16-FEB-2024 E-28091AR120.plg



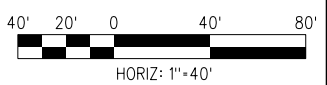
### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



SEE DWG R-1-121  
MATCH LINE R TRACK 861+50.00

MATCH LINE R TRACK 871+50.00  
SEE DWG R-1-122



### FINAL CONCEPTUAL ROW DRAWINGS REV. 2 - 7/20/2023

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.						
3	7/20/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	7/3/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT**  
**RIGHT- OF- WAY**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN**  
**STA 861+50 TO STA 871+50**

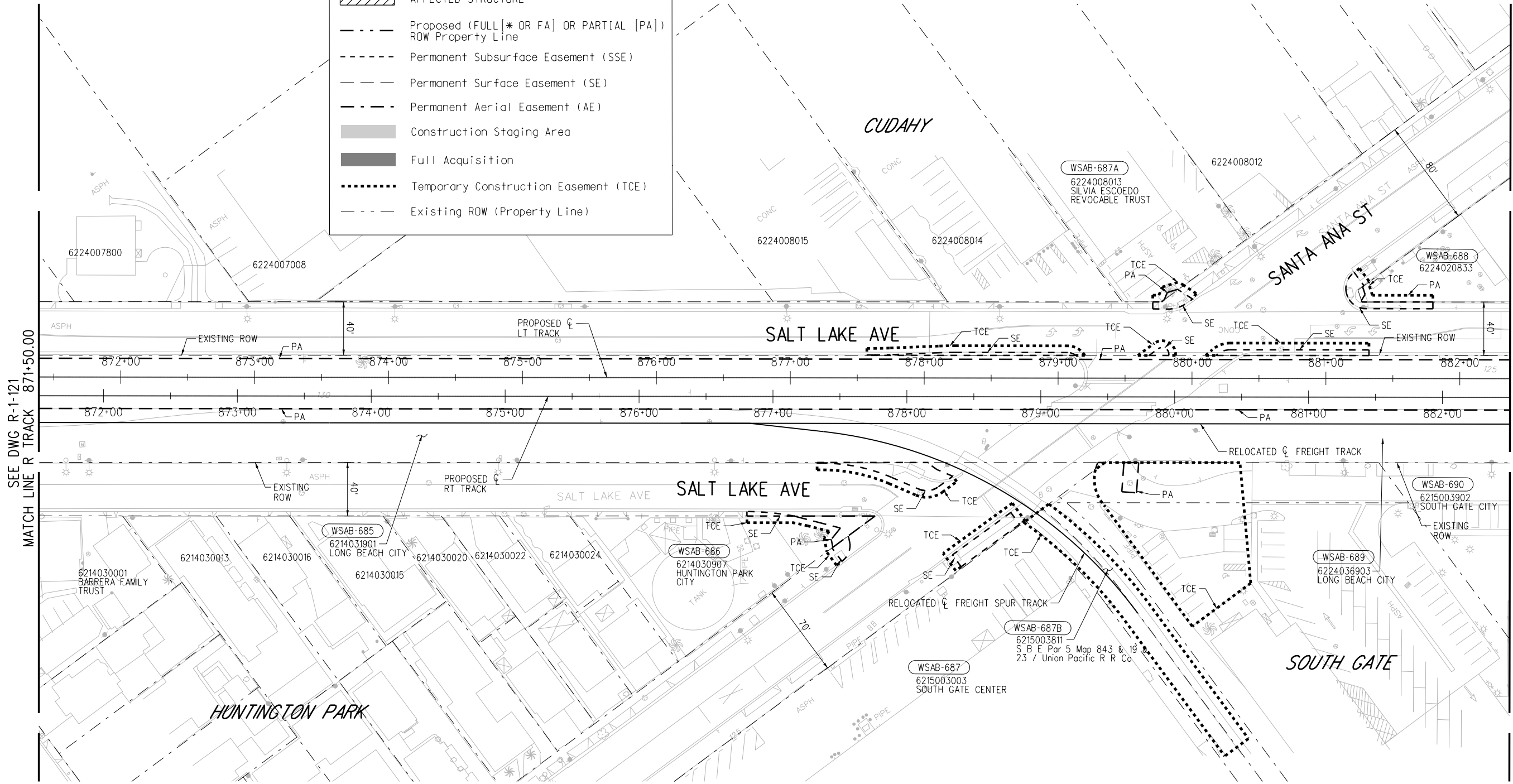
CONTRACT NO		AE5999300
DRAWING NO	R-1-121	REV
SCALE	HOR: 1"=40'	
SHEET NO	30	OF 93

16-FEB-2024 E-28091AR121.plg



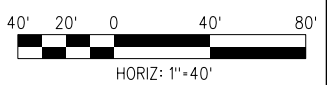
### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



SEE DWG R-1-121  
MATCH LINE R TRACK 871+50.00

MATCH LINE R TRACK 882+50.00  
SEE DWG R-1-123



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 871+50 TO STA 882+50**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-122</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>31</b>	OF <b>93</b>

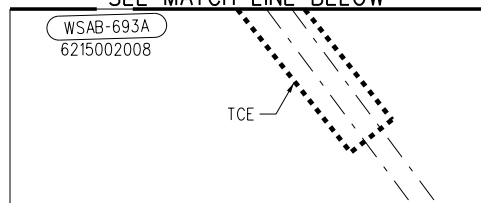
16-FEB-2024 E-28091AR122.plg  
wsppw14-pw-svc 19:18  
Plot Driver=MTA-half.pen Pentable=bw.plt



### RIGHT-OF-WAY LEGEND

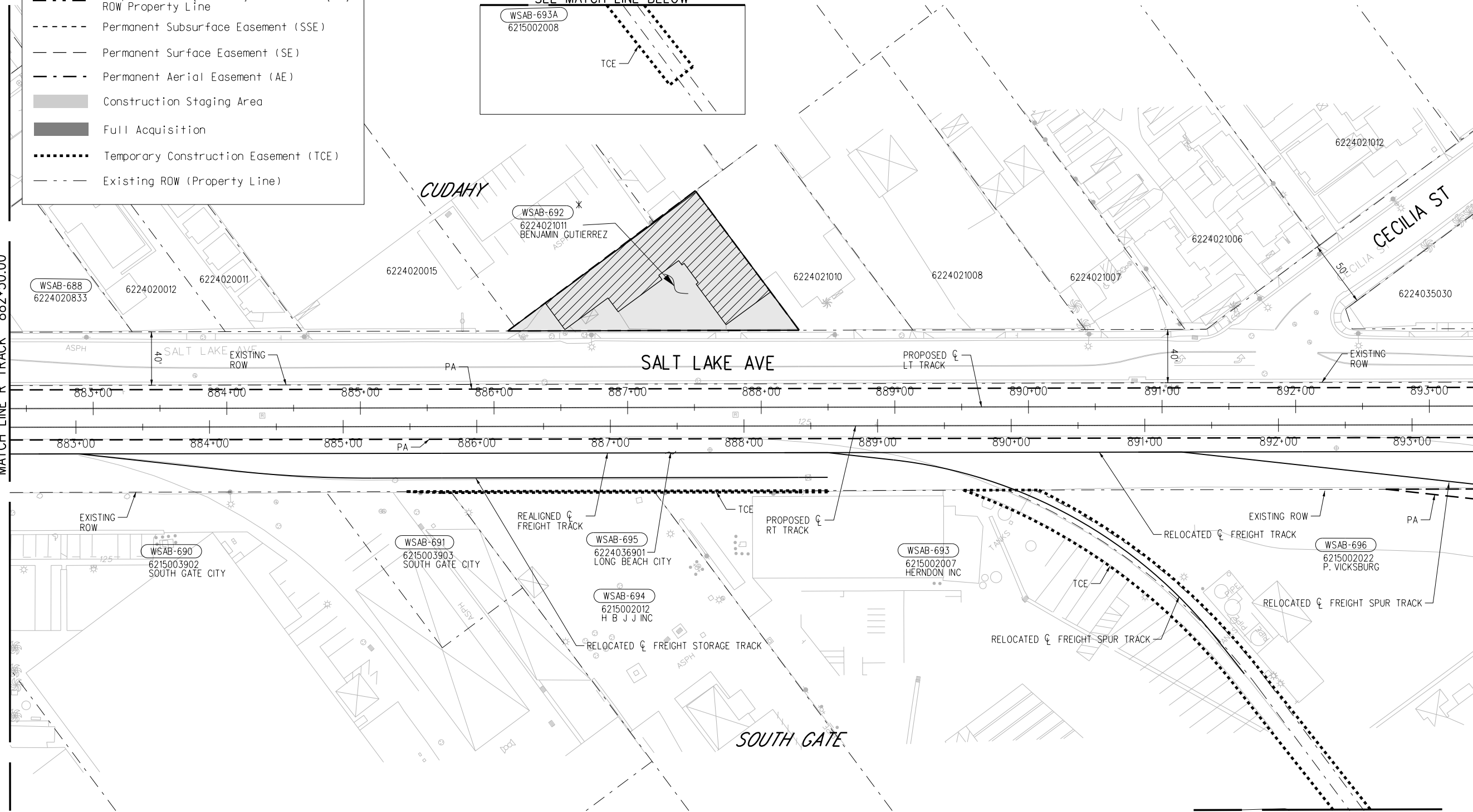
- AFFECTED STRUCTURE
- Proposed (FULL[\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)

SEE MATCH LINE BELOW



SEE DWG R-1-122  
MATCH LINE R TRACK 882+50.00

MATCH LINE R TRACK 893+50.00  
SEE DWG R-1-124



SEE MATCH LINE ABOVE



### FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023

### NOT FOR CONSTRUCTION

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REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH LRT</b>		CONTRACT NO	<b>AE5999300</b>
<b>RIGHT- OF- WAY</b>		DRAWING NO	<b>R-1-123</b>
<b>LOCALLY PREFERRED ALTERNATIVE PLAN</b>		SCALE	<b>HOR: 1"=40'</b>
<b>STA 882+50 TO STA 893+50</b>		SHEET NO	<b>32 OF 93</b>

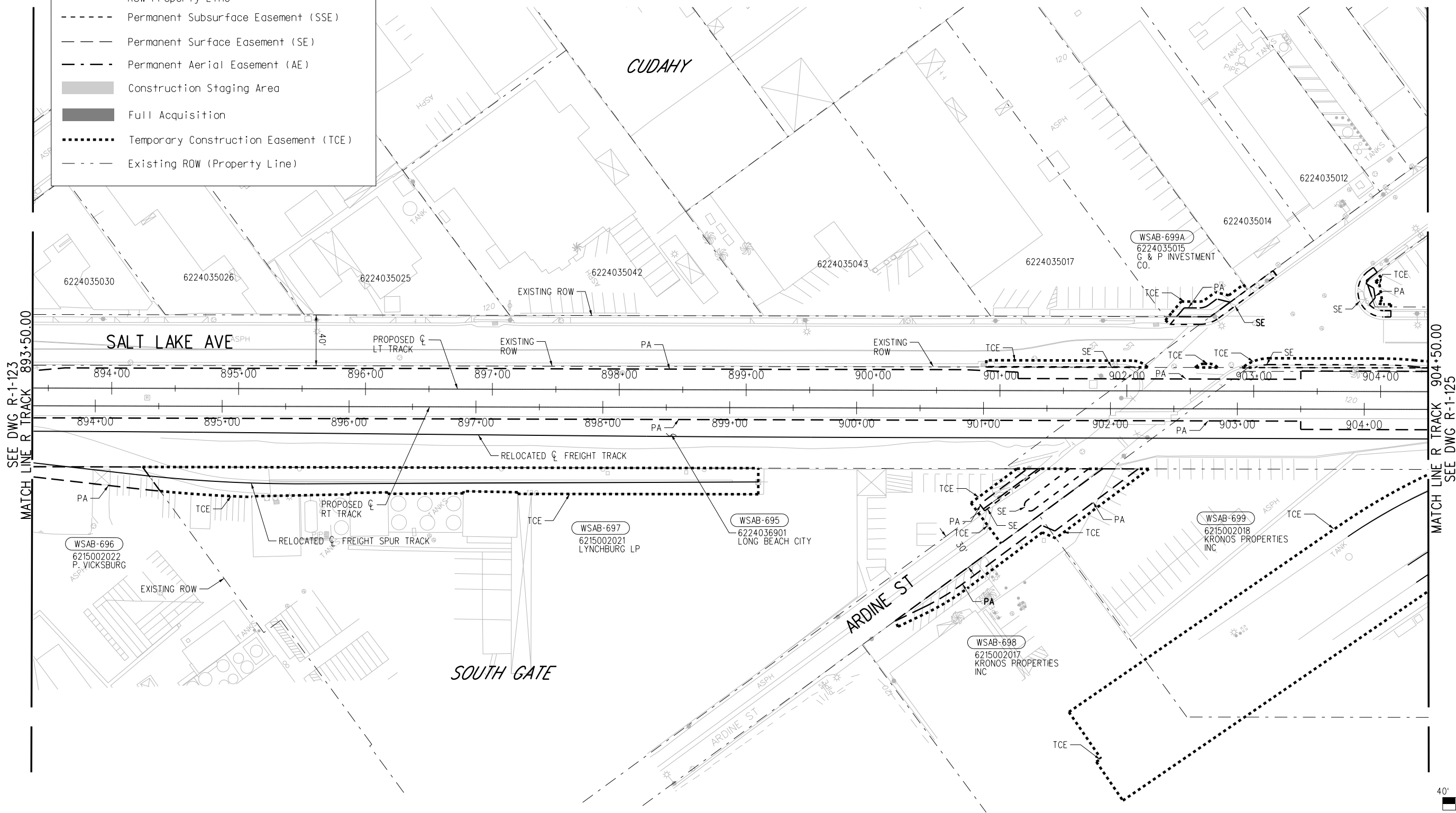
16-FEB-2024 E-28091AR123.plg





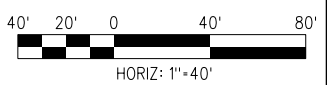
### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



SEE DWG R-1-123  
MATCH LINE R TRACK 893+50.00

MATCH LINE R TRACK 904+50.00  
SEE DWG R-1-125



### FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 893+50 TO STA 904+50**

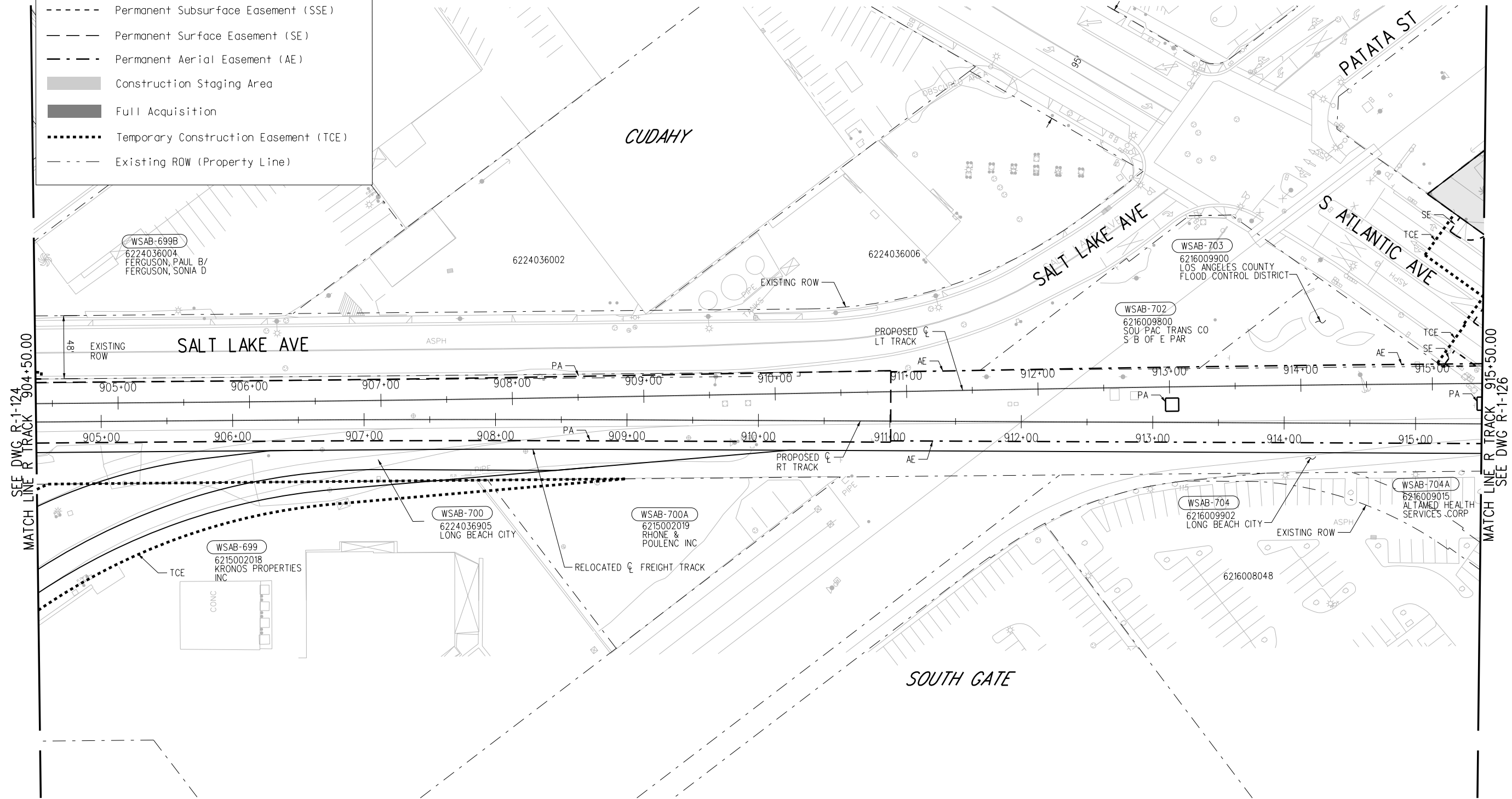
CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-124</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>33</b>	OF <b>93</b>

16-FEB-2024 E-28091AR124.plg  
wsppw14-pw-svc 19:20  
Plot Driver=MTA-half.pen Pentable=bw.plt



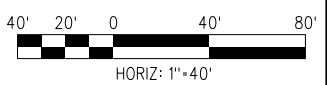
### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL[\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



SEE DWG R-1-124  
MATCH LINE R TRACK 904+50.00

MATCH LINE R TRACK 915+50.00  
SEE DWG R-1-126



### FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023

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
1	4/14/2023					
						FINAL CONCEPTUAL ROW DRAWINGS
						DESCRIPTION

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT**  
**RIGHT- OF- WAY**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN**  
**STA 904+50 TO STA 915+50**

CONTRACT NO		AE5999300
DRAWING NO	R-1-125	REV
SCALE	HOR: 1"=40'	
SHEET NO	34	OF 93

16-FEB-2024 E-28091AR125.plg





### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)

**NOTES:**  
1. POTENTIAL CUT-AND-REFACE OF STRUCTURE

SEE DWG R-1-127  
MATCH LINE

*SOUTH GATE*



SEE DWG R-1-125  
MATCH LINE R TRACK 915+50.00

MATCH LINE R TRACK 926+50.00  
SEE DWG R-1-128

16-FEB-2024 E-28091AR126.plg  
wspw14-pw-svc 19:15

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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 SJ	 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071	CONTRACT NO. <b>AE5999300</b>
1	4/14/2023	DRAWN BY SJ		DRAWING NO. <b>R-1-126</b>
REV	DATE	CHECKED BY CL		SCALE <b>HOR: 1"=40'</b>
BY	APP	IN CHARGE RL		SHEET NO. <b>35 OF 93</b>
REG NO.	EXPIRES	DATE 4/14/2023		
SEAL HOLDER	DESCRIPTION FINAL CONCEPTUAL ROW DRAWINGS			

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**West Santa Ana Branch LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 915+50 TO STA 926+50**

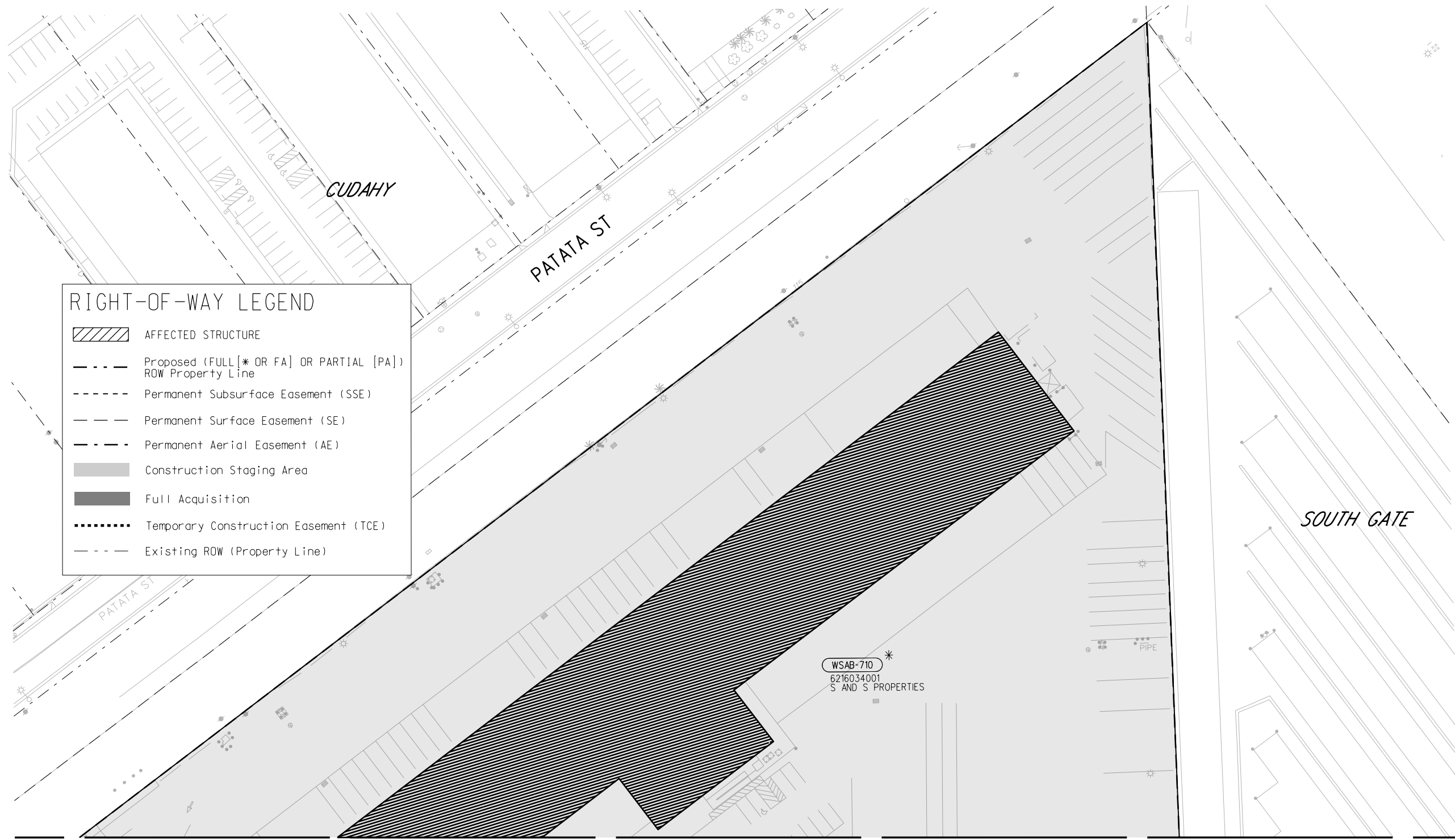
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 915+50 TO STA 926+50

CONTRACT NO. AE5999300  
DRAWING NO. R-1-126  
SCALE: HOR: 1"=40'  
SHEET NO. 35 OF 93

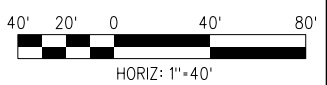


**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)

WSAB-710  
6216034001  
S AND S PROPERTIES

MATCH LINE  
SEE DWG R-1-126



16-FEB-2024 E-28091AR127.plg  
wsppw14-pw-svc 19:15

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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DESIGNED BY	SJ						
DRAWN BY	SJ						
CHECKED BY	CL						
IN CHARGE	RL						
DATE	4/14/2023						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY	SJ		
DRAWN BY	SJ		
CHECKED BY	CL		
IN CHARGE	RL		
DATE	4/14/2023		

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

NOT FOR CONSTRUCTION

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN**

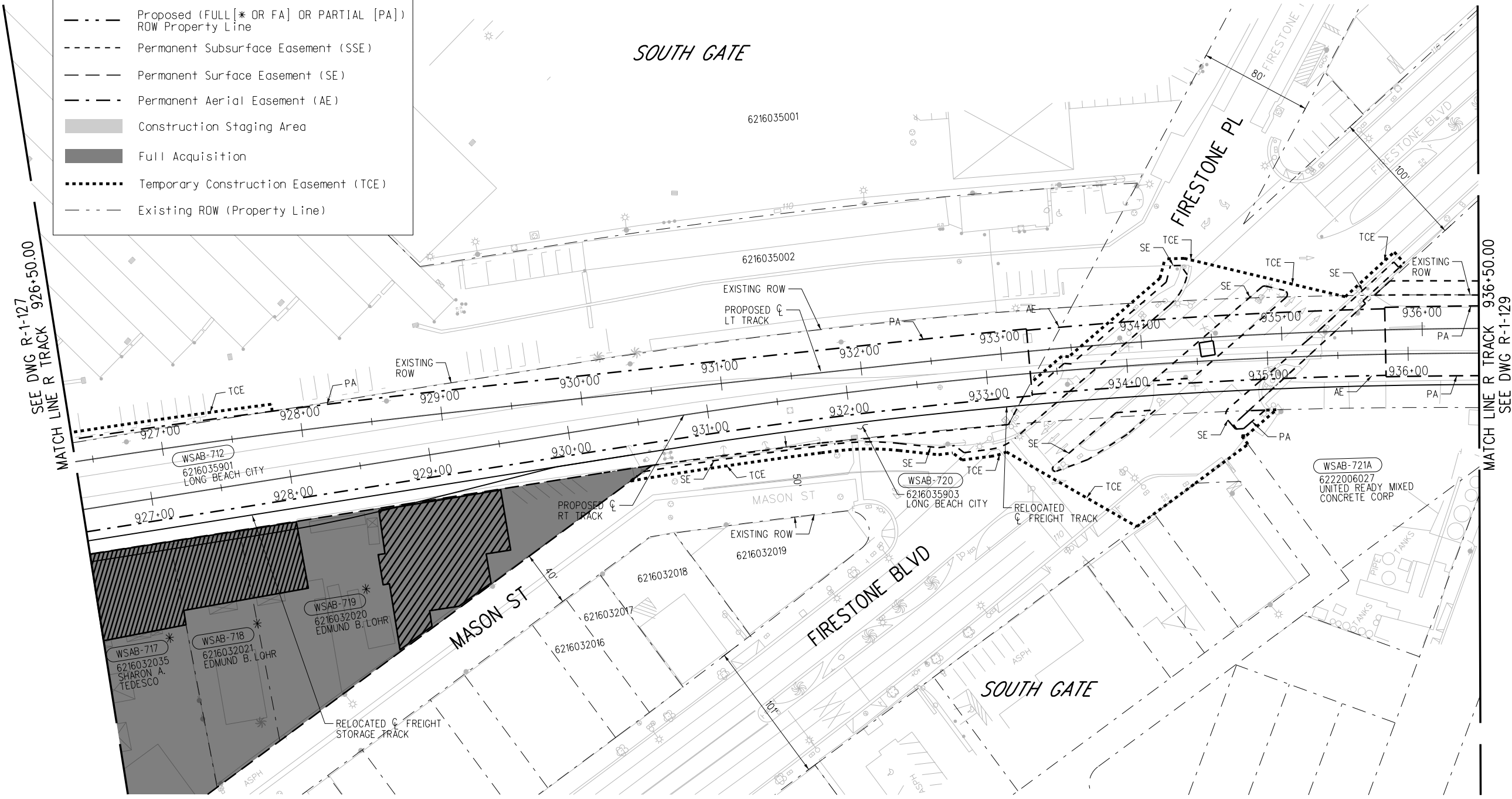
CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-127</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>36</b>	OF <b>93</b>



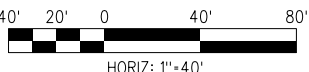
**RIGHT-OF-WAY LEGEND**

	AFFECTED STRUCTURE
	Proposed (FULL [* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)

**NOTES:**  
 1. PROPERTY IMPACTS TO BE RE-ASSESSED DURING FUTURE DESIGN PHASE.



16-FEB-2024 E-28091AR128.plg  
 wspw14-pw-svc 19:21  
 Plot Driver=MTA-half.pen



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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	SJ					
DRAWN BY	SJ					
CHECKED BY	CL					
IN CHARGE	RL					
DATE	4/14/2023					
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED: \_\_\_\_\_  
 APPROVED: \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
 RIGHT- OF- WAY  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN  
 STA 926+50 TO STA 936+50**

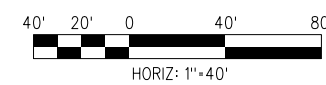
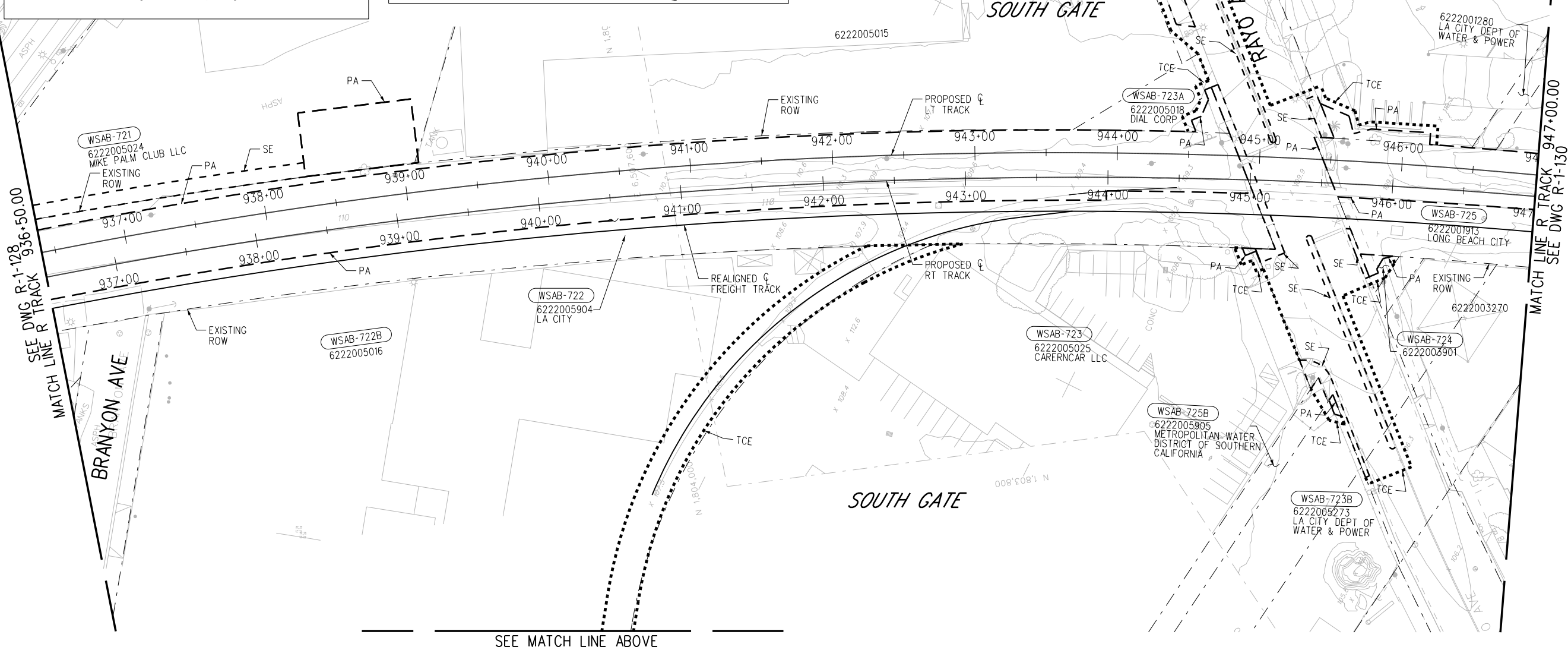
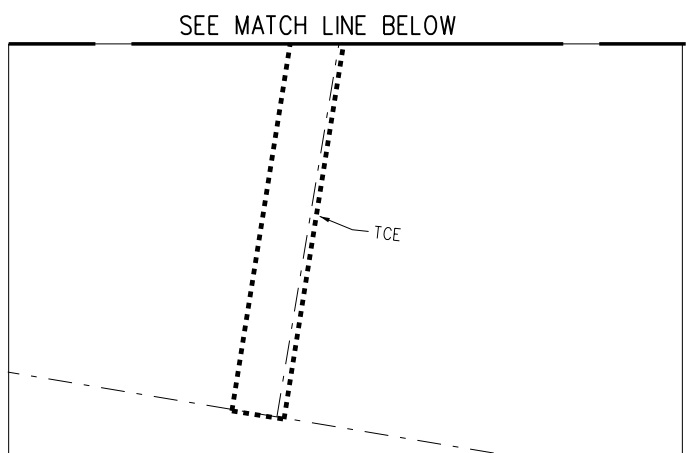
CONTRACT NO	AE5999300	
DRAWING NO	R-1-128	REV
SCALE	HOR: 1"=40'	
SHEET NO	37	OF 93



NOTES:  
 1. ACCESS TO THE FACILITIES CAN BE MADE FROM FIRESTONE BLVD

RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL[\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023

DESIGNED BY	SJ						
DRAWN BY	SJ						
CHECKED BY	CL						
IN CHARGE	RL						
DATE	4/14/2023						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED: \_\_\_\_\_

APPROVED: \_\_\_\_\_

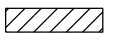
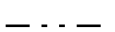
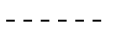
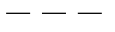
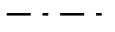



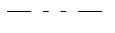
**NOT FOR CONSTRUCTION**

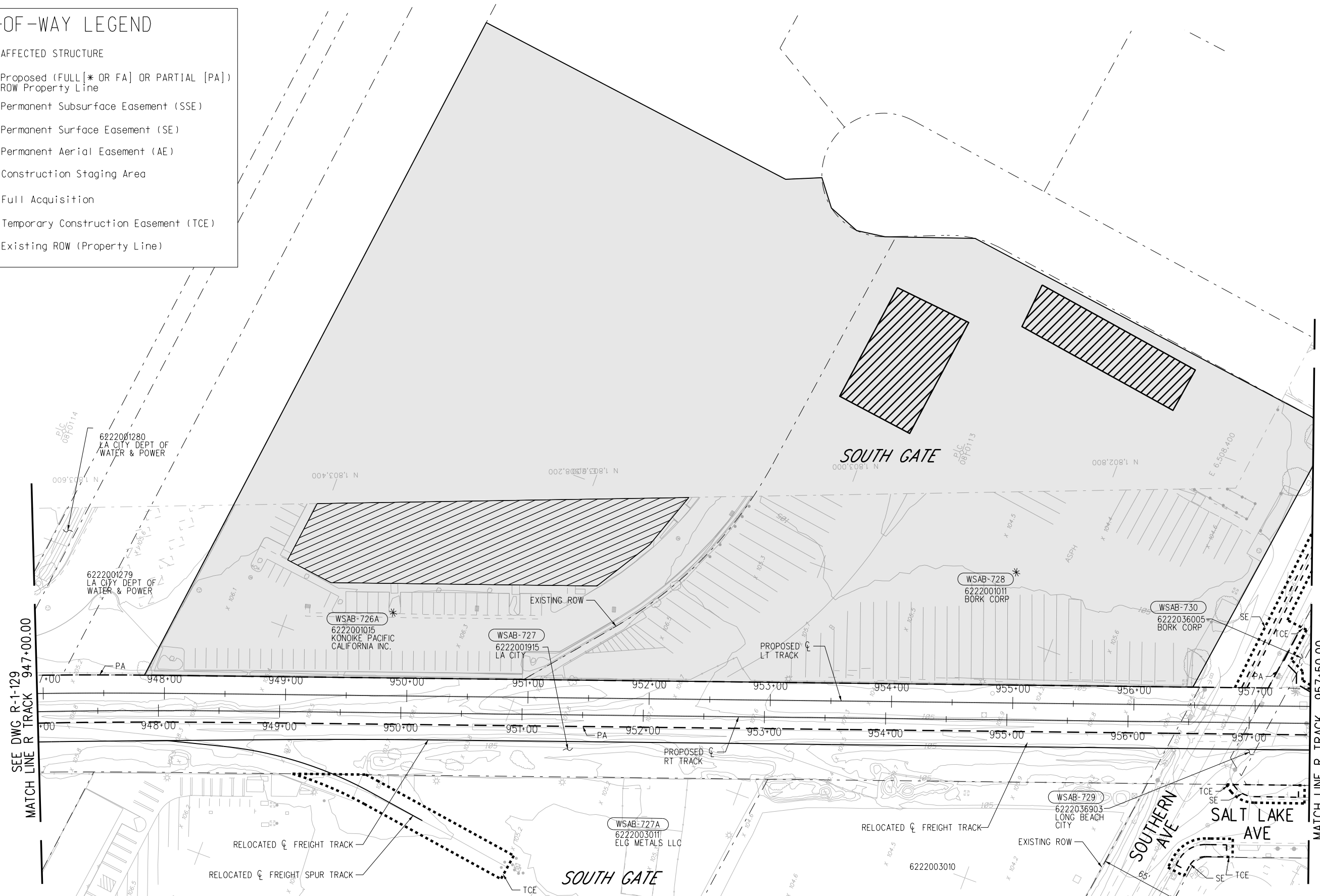
WEST SANTA ANA BRANCH LRT  
 RIGHT- OF- WAY  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN  
 STA 936+50 TO STA 947+00

CONTRACT NO. AE5999300  
 DRAWING NO. R-1-129  
 SCALE: HOR: 1"=40'  
 SHEET NO. 38 OF 93

16-FEB-2024 E-28091AR129.plg  
 wsppw14-pw-svc 19:19  
 Plot Driver=MTA-half.pen  
 Pentable=bw.plt

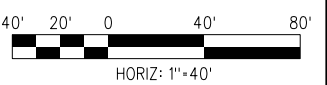
### RIGHT-OF-WAY LEGEND

-  AFFECTED STRUCTURE
-  Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
-  Permanent Subsurface Easement (SSE)
-  Permanent Surface Easement (SE)
-  Permanent Aerial Easement (AE)
-  Construction Staging Area
-  Full Acquisition
-  Temporary Construction Easement (TCE)
-  Existing ROW (Property Line)



SEE DWG R-1-129  
MATCH LINE R TRACK 947+00.00

MATCH LINE R TRACK 957+50.00  
SEE DWG R-1-131




**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071










SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 947+00 TO STA 957+50</b>	
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>R-1-130</b>	
SCALE <b>HOR: 1"=40'</b>	
SHEET NO. <b>39</b>	OF <b>93</b>

16-FEB-2024 E-28091AR130.plg  
wsppw14-pw-svc 19:18  
Plot Driver=MTA-half.pen  
Pentable=bw.plt

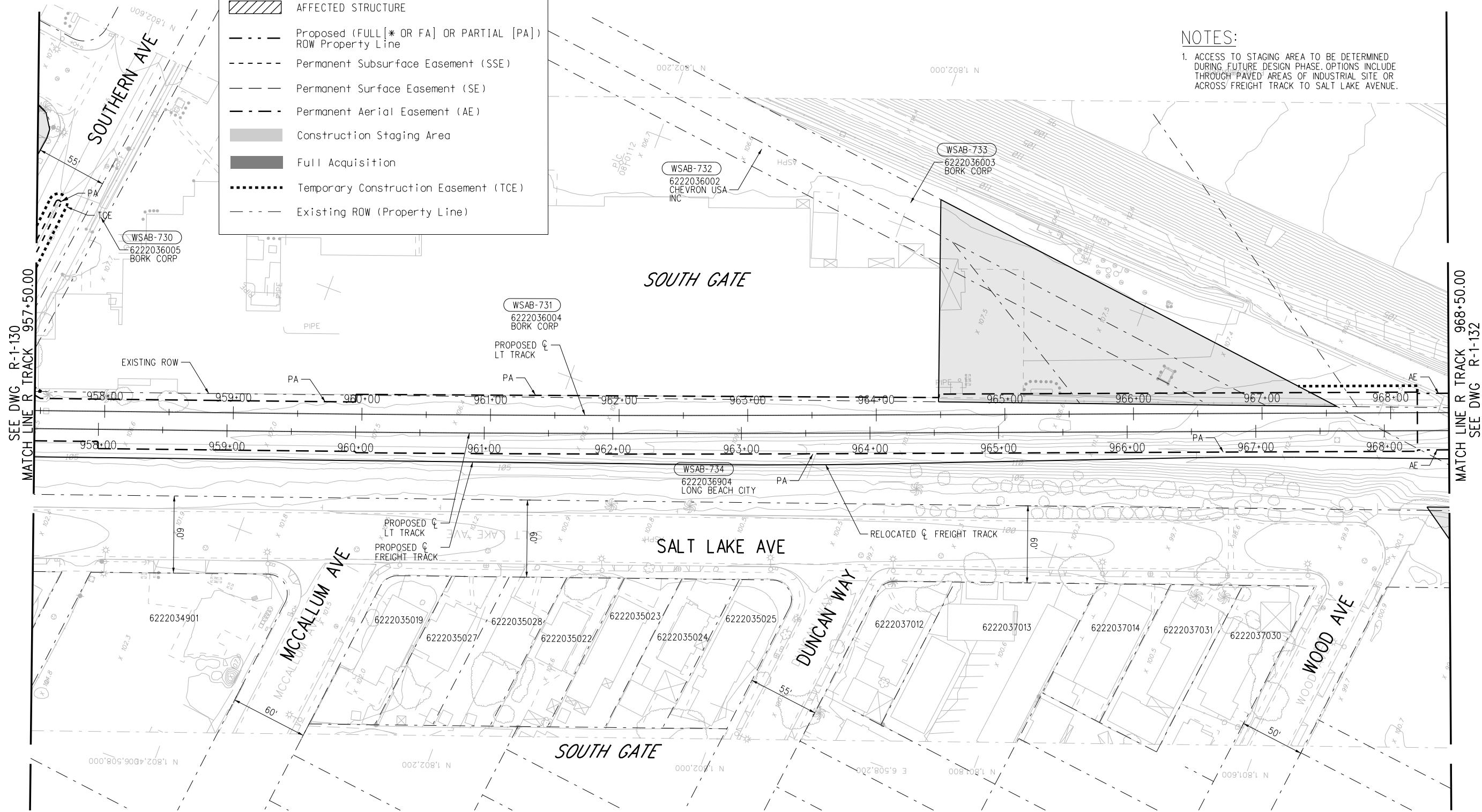


### RIGHT-OF-WAY LEGEND

-  AFFECTED STRUCTURE
-  Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
-  Permanent Subsurface Easement (SSE)
-  Permanent Surface Easement (SE)
-  Permanent Aerial Easement (AE)
-  Construction Staging Area
-  Full Acquisition
-  Temporary Construction Easement (TCE)
-  Existing ROW (Property Line)

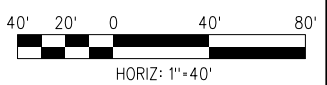
### NOTES:

1. ACCESS TO STAGING AREA TO BE DETERMINED DURING FUTURE DESIGN PHASE. OPTIONS INCLUDE THROUGH PAVED AREAS OF INDUSTRIAL SITE OR ACROSS FREIGHT TRACK TO SALT LAKE AVENUE.



SEE DWG R-1-130  
MATCH LINE R TRACK 957+50.00


MATCH LINE R TRACK 968+50.00  
SEE DWG R-1-132




### FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023

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REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**



515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 957+50 TO STA 968+50**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-131</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>40</b>	OF <b>93</b>

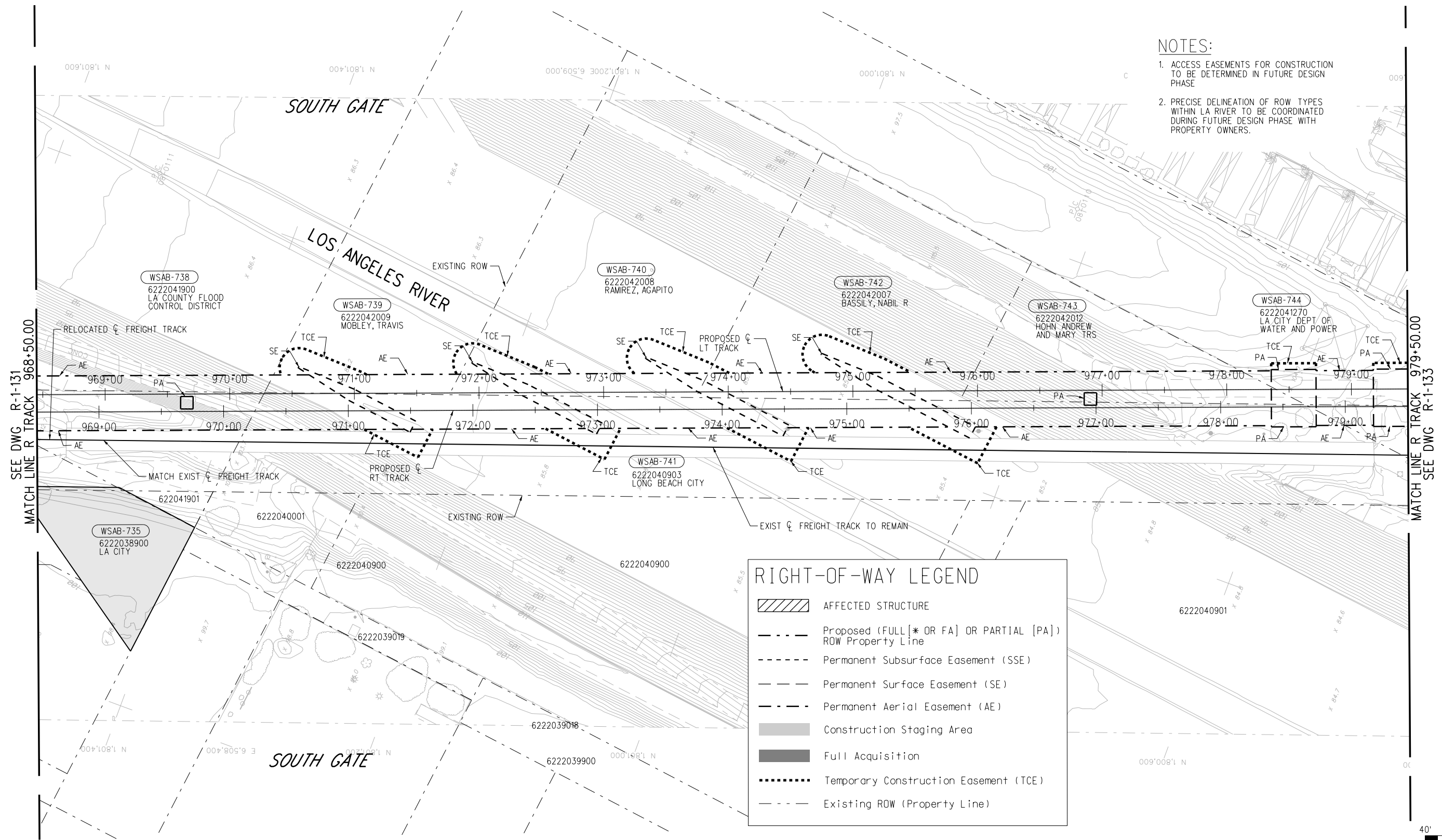
16-FEB-2024 E-28091AR131.plg  
wsppw14-pw-svc 19:17  
Plot Driver=MTA-half.pen Pentable=bw.plt





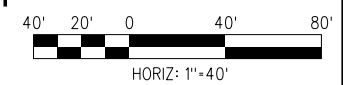
NOTES:

1. ACCESS EASEMENTS FOR CONSTRUCTION TO BE DETERMINED IN FUTURE DESIGN PHASE
2. PRECISE DELINEATION OF ROW TYPES WITHIN LA RIVER TO BE COORDINATED DURING FUTURE DESIGN PHASE WITH PROPERTY OWNERS.



### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



16-FEB-2024 E-28091AR132.plg

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT**

**RIGHT- OF- WAY**

**LOCALLY PREFERRED ALTERNATIVE PLAN**

**STA 968+50 TO STA 979+50**

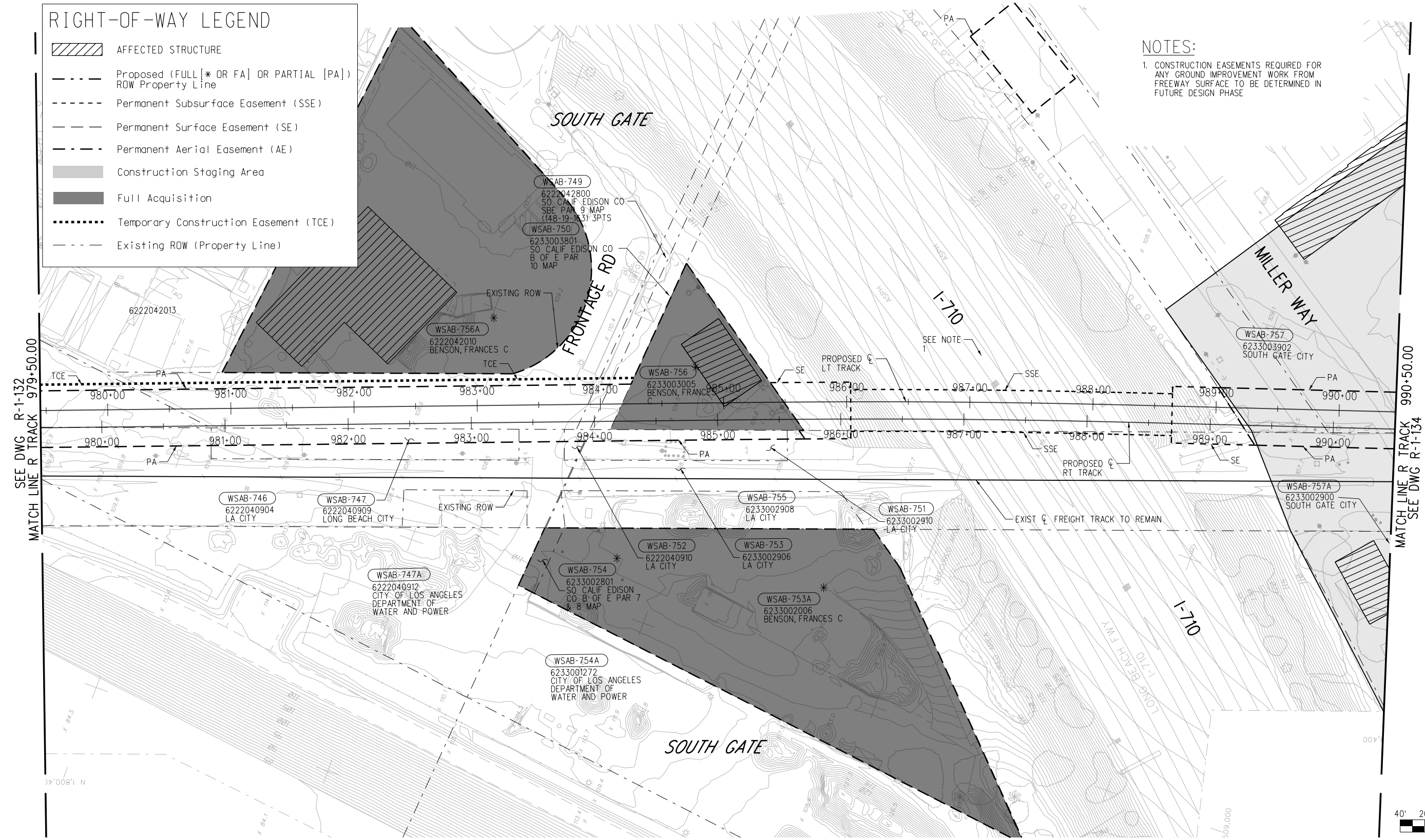
CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-132</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>41</b>	OF <b>93</b>



### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)

**NOTES:**  
 1. CONSTRUCTION EASEMENTS REQUIRED FOR ANY GROUND IMPROVEMENT WORK FROM FREEWAY SURFACE TO BE DETERMINED IN FUTURE DESIGN PHASE



SEE DWG R-1-132  
MATCH LINE R TRACK 979+50.00

MATCH LINE R TRACK 990+50.00  
SEE DWG R-1-134



16-FEB-2024 E-28091AR133.plg  
wspw14-pw-svc 19:18

### FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
 RIGHT- OF- WAY  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN  
 STA 979+50 TO STA 990+50**

CONTRACT NO. <b>AE5999300</b>
DRAWING NO. <b>R-1-133</b>
SCALE <b>HOR: 1"=40'</b>
SHEET NO. <b>42 OF 93</b>

**NOT FOR CONSTRUCTION**

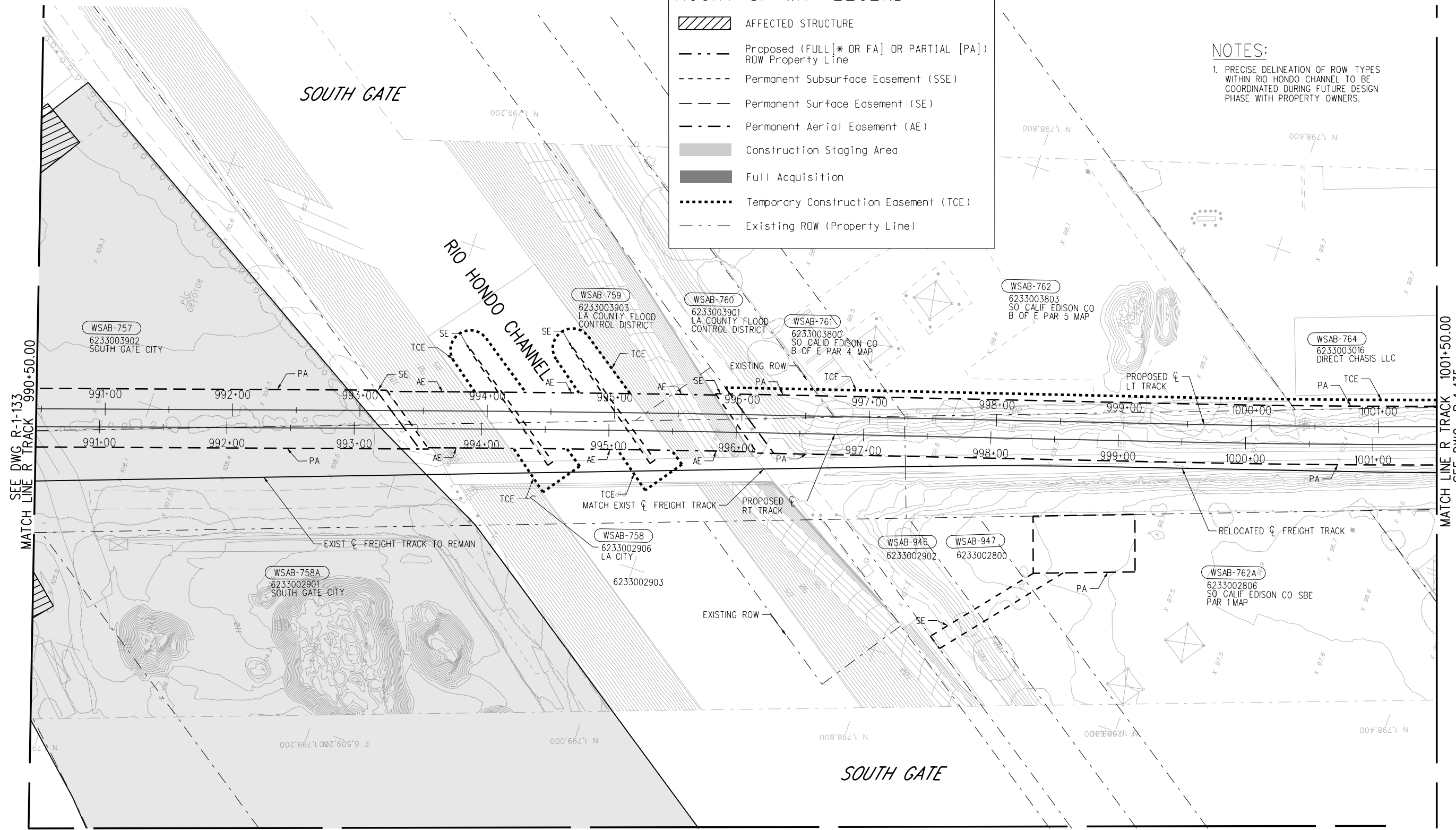




### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)

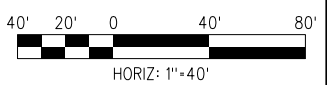
**NOTES:**  
 1. PRECISE DELINEATION OF ROW TYPES WITHIN RIO HONDO CHANNEL TO BE COORDINATED DURING FUTURE DESIGN PHASE WITH PROPERTY OWNERS.



SEE DWG R-1-133  
MATCH LINE R TRACK 990+50.00

MATCH LINE R TRACK 1001+50.00  
SEE DWG R-1-135

MATCH LINE  
SEE DWG R-1-134A



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 990+50 TO STA 1001+50**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-134</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>43 OF 93</b>	

16-FEB-2024 E-28091AR134.plg  
wsppw14-pw-svc 19:20  
Plot Driver=MTA-half.pen Pentable=bw.plt

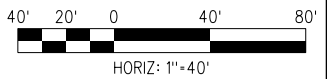


MATCH LINE  
SEE DWG R-1-134



**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL[\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



**NOT FOR CONSTRUCTION**

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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	SJ					
DRAWN BY	SJ					
CHECKED BY	CL					
IN CHARGE	RL					
DATE	4/14/2023					
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_


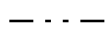
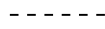
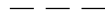





**WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN**

CONTRACT NO	AE5999300	
DRAWING NO	R-1-134 A	REV
SCALE	HOR: 1"=40'	
SHEET NO	44	OF 93

16-FEB-2024 E-28091AR134A.plt

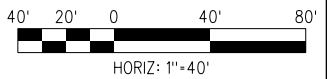
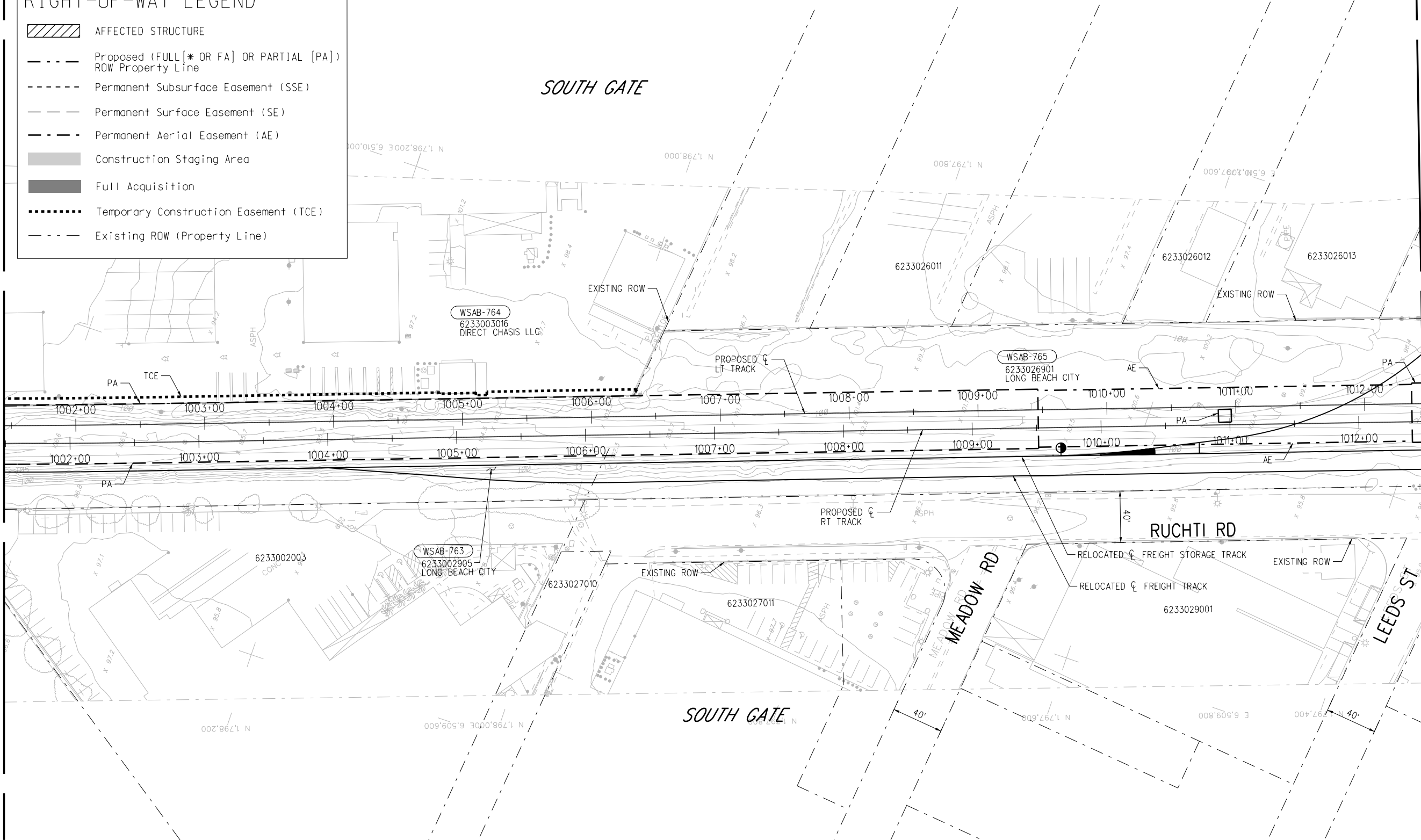


### RIGHT-OF-WAY LEGEND

-  AFFECTED STRUCTURE
-  Proposed (FULL[\* OR FA] OR PARTIAL [PA]) ROW Property Line
-  Permanent Subsurface Easement (SSE)
-  Permanent Surface Easement (SE)
-  Permanent Aerial Easement (AE)
-  Construction Staging Area
-  Full Acquisition
-  Temporary Construction Easement (TCE)
-  Existing ROW (Property Line)

SEE DWG R-1-134  
MATCH LINE R TRACK 1001+50.00

MATCH LINE R TRACK 1012+50.00  
SEE DWG R-1-136




### FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023

### 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 TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

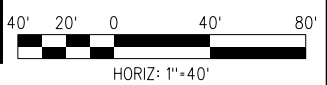
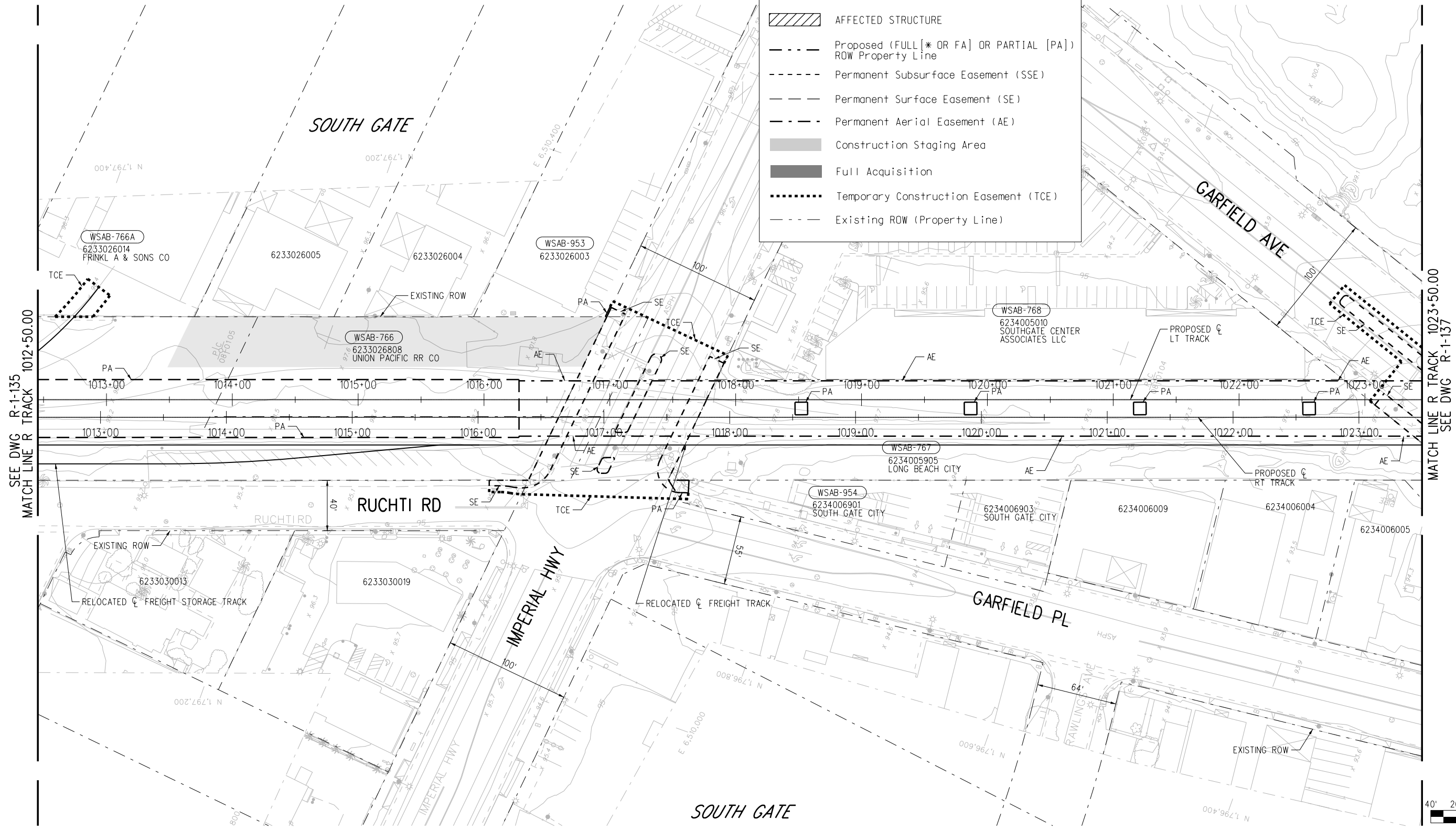
<b>WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1001+50 TO STA 1012+50</b>	
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>R-1-135</b>	
SCALE <b>HOR: 1"=40'</b>	
SHEET NO. <b>45</b>	OF <b>93</b>

16-FEB-2024 E-28091AR135.plg



### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



16-FEB-2024 E-28091AR136.plg  
wspw14\_pw-svc 19:17

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT**

**RIGHT- OF- WAY**

**LOCALLY PREFERRED ALTERNATIVE PLAN**

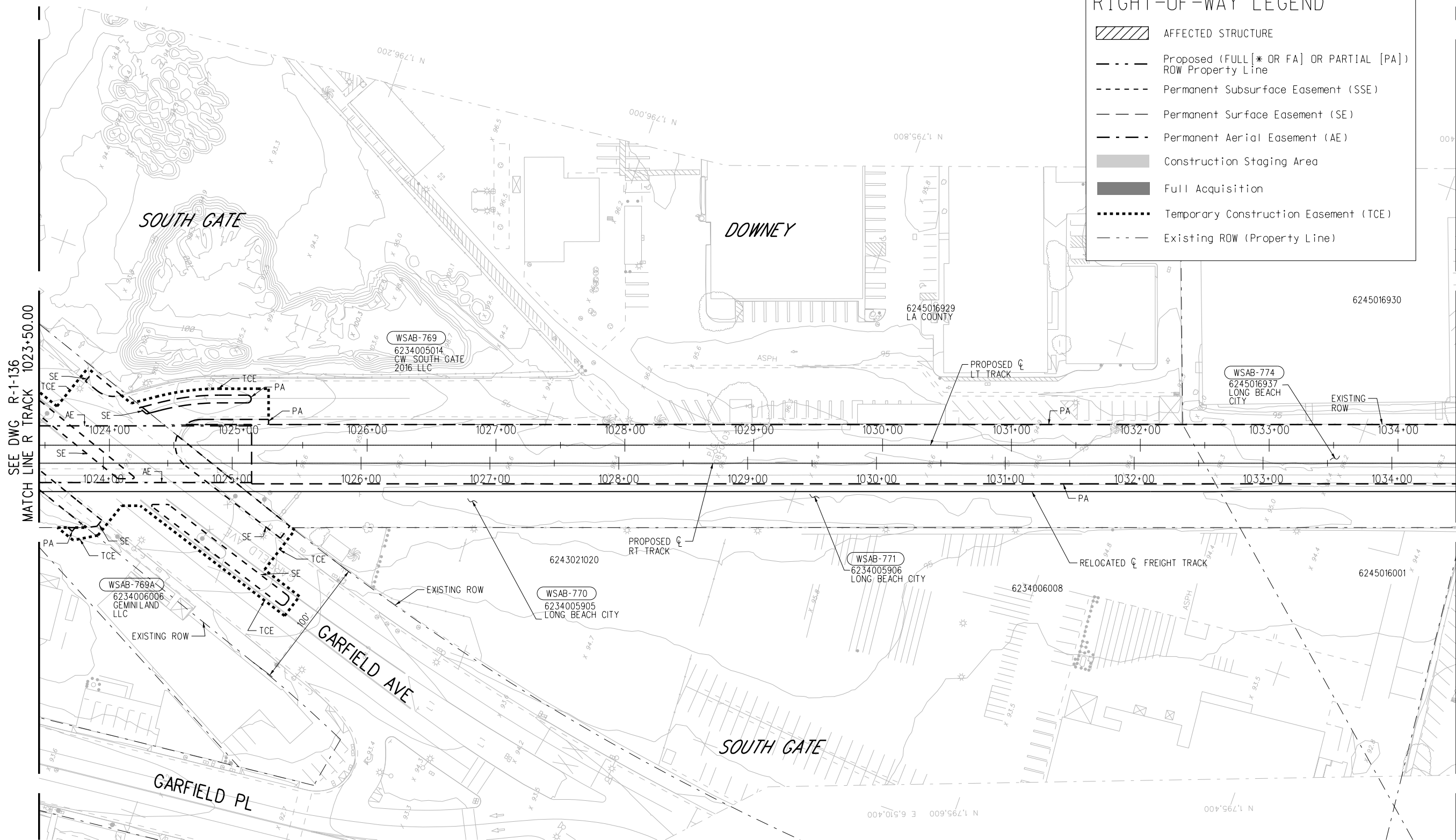
**STA 1012+50 TO STA 1023+50**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-136</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>46</b>	OF <b>93</b>



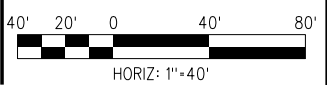
### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL[\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



SEE DWG R-1-136 MATCH LINE R TRACK 1023+50.00

MATCH LINE R TRACK 1034+50.00 SEE DWG R-1-138



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

16-FEB-2024 E-28091AR137.plg  
wsppw14-pw-svc 19:18

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
1	4/14/2023					
						FINAL CONCEPTUAL ROW DRAWINGS
						DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN</b>	
STA 1023+50 TO STA 1034+50	
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>R-1-137</b>	
SCALE <b>HOR: 1"=40'</b>	
SHEET NO. <b>47</b>	OF <b>93</b>



**RIGHT-OF-WAY LEGEND**

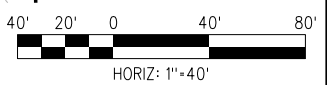
- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)

MATCH LINE  
SEE DWG R-1-138A



SEE DWG R-1-137  
MATCH LINE R TRACK 1034+50.00

MATCH LINE R TRACK 1045+50.00  
SEE DWG R-1-139



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

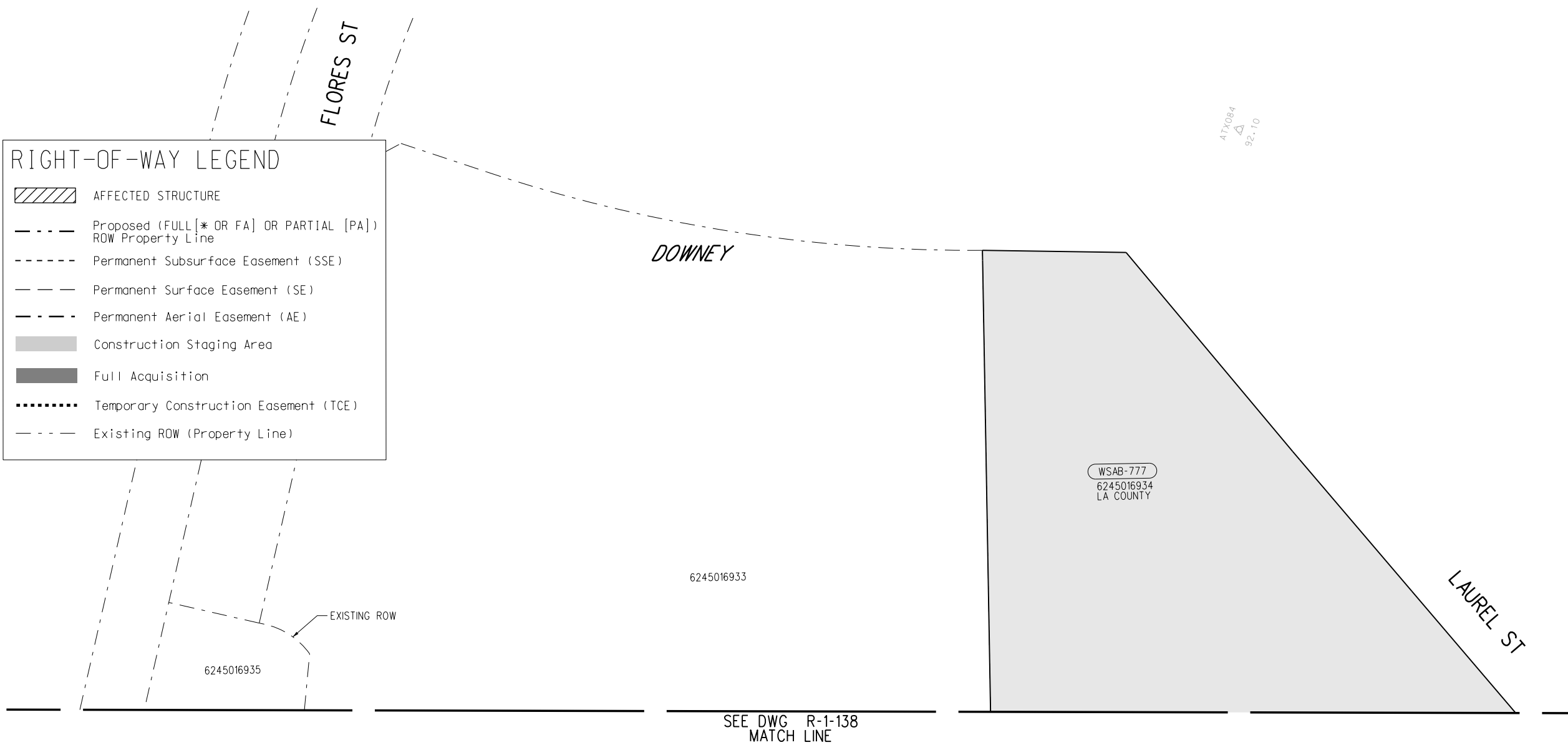
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							DESIGNED BY SJ DRAWN BY SJ CHECKED BY CL IN CHARGE RL DATE 4/14/2023	<b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b>	SUBMITTED _____ APPROVED _____	<b>WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN</b>	CONTRACT NO. <b>AE5999300</b> DRAWING NO. <b>R-1-138</b> SCALE <b>HOR: 1"=40'</b> SHEET NO. <b>48 OF 93</b>
1 REV DATE BY APP REG NO. EXPIRES SEAL HOLDER DESCRIPTION	4/14/2023 FINAL CONCEPTUAL ROW DRAWINGS										

16-FEB-2024 E-28091AR138.plg  
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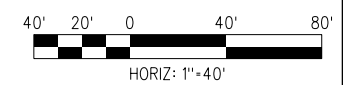


**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



SEE DWG R-1-138  
MATCH LINE



**NOT FOR CONSTRUCTION**

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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	SJ					
DRAWN BY	SJ					
CHECKED BY	CL					
IN CHARGE	RL					
DATE	4/14/2023					
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF - WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-138A</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>49 OF 93</b>	

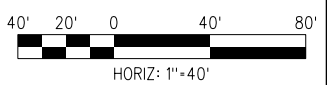
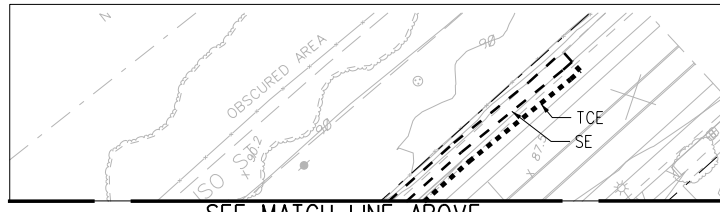
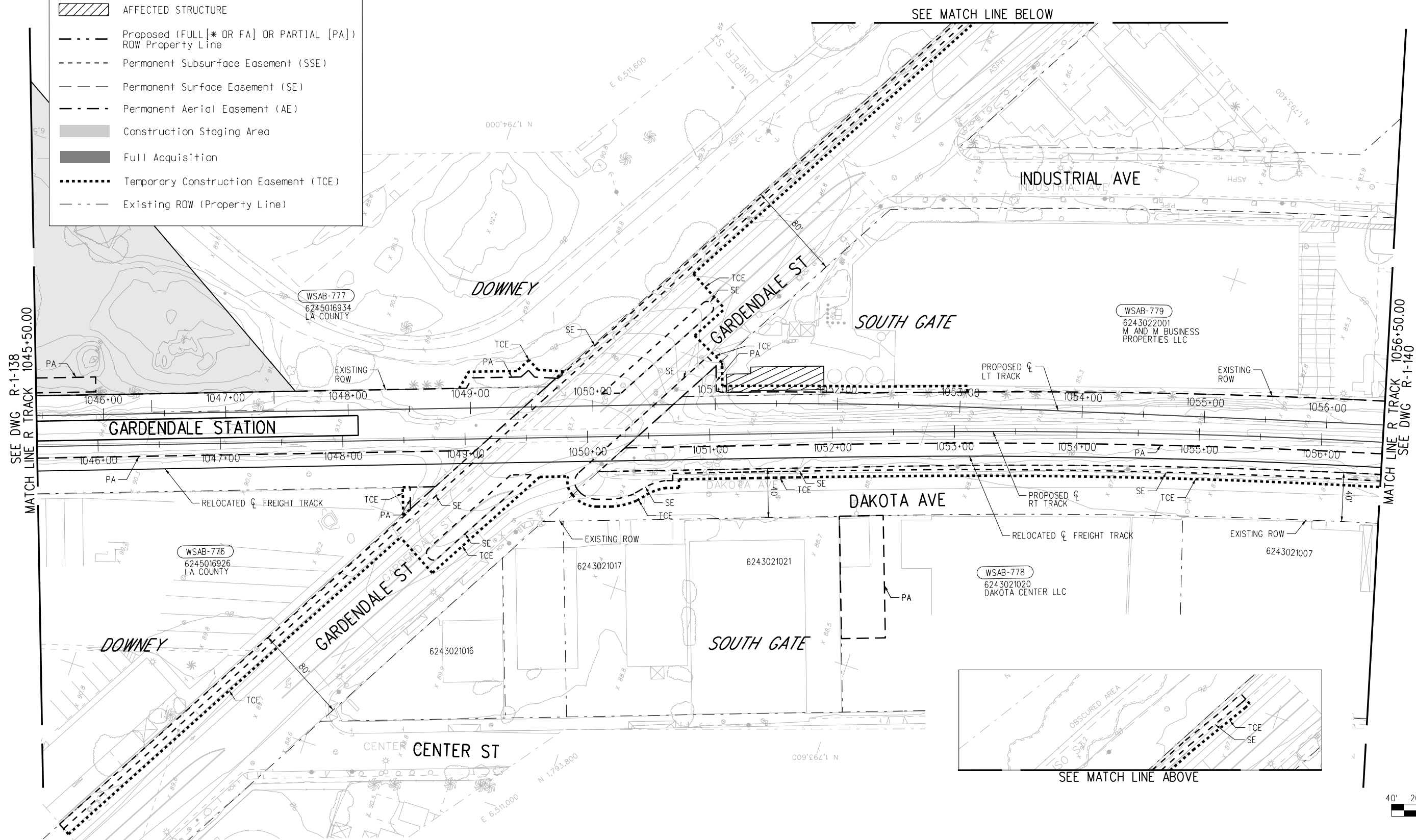
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wsppw14-pw-svc 19:16  
Plot Driver=MTA-half.pen Pentable=bw.plt





### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



### FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 1045+50 TO STA 1056+50**

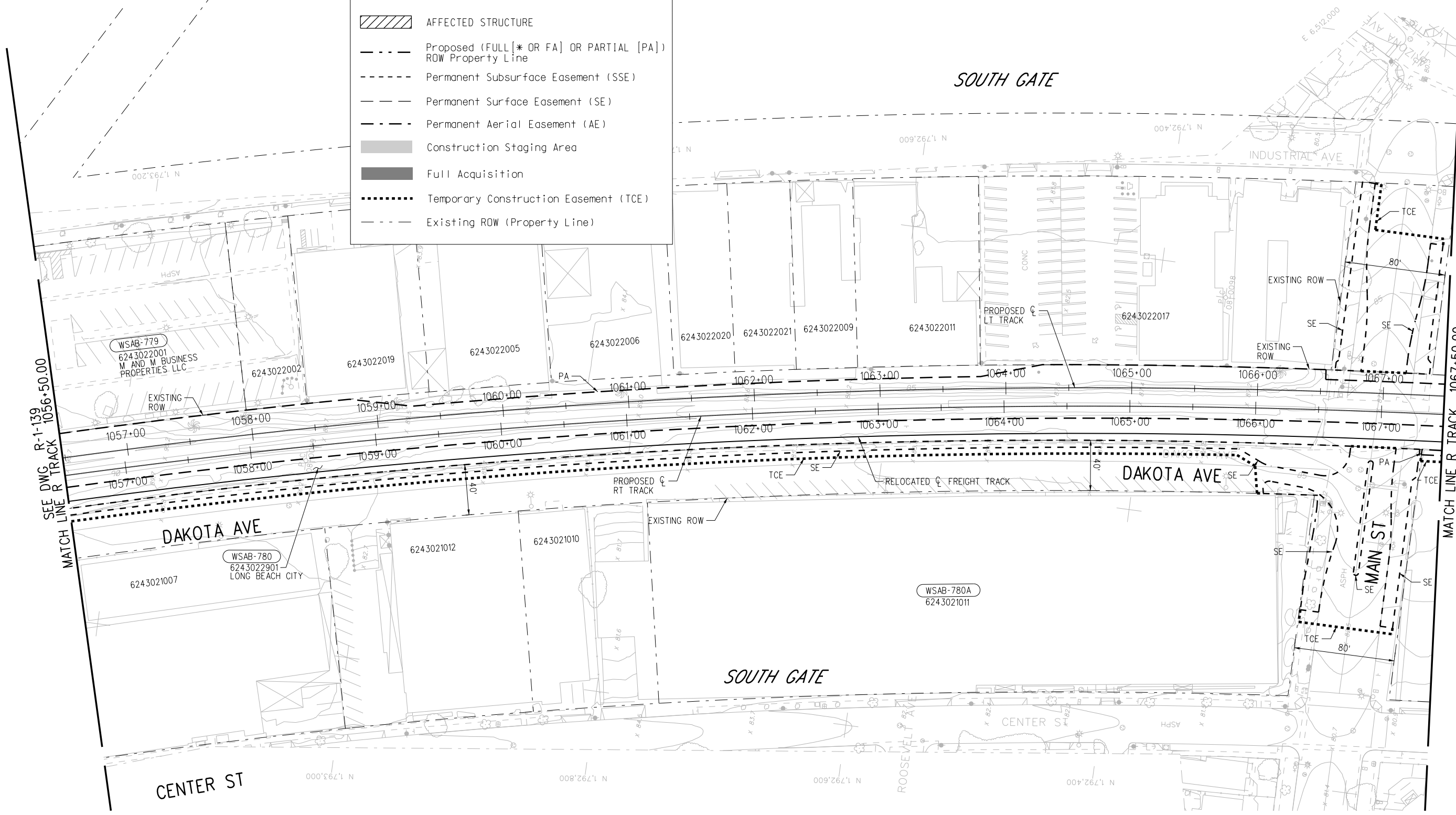
CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-139</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>50</b>	OF <b>93</b>

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

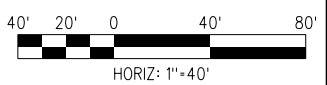




RIGHT-OF-WAY LEGEND	
	AFFECTED STRUCTURE
	Proposed (FULL [* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



16-FEB-2024 E-28091AR140.plg  
wspw14-pw-svc 19:19



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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	SJ						
DRAWN BY	SJ						
CHECKED BY	CL						
IN CHARGE	RL						
DATE	4/14/2023						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

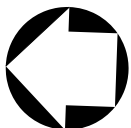
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

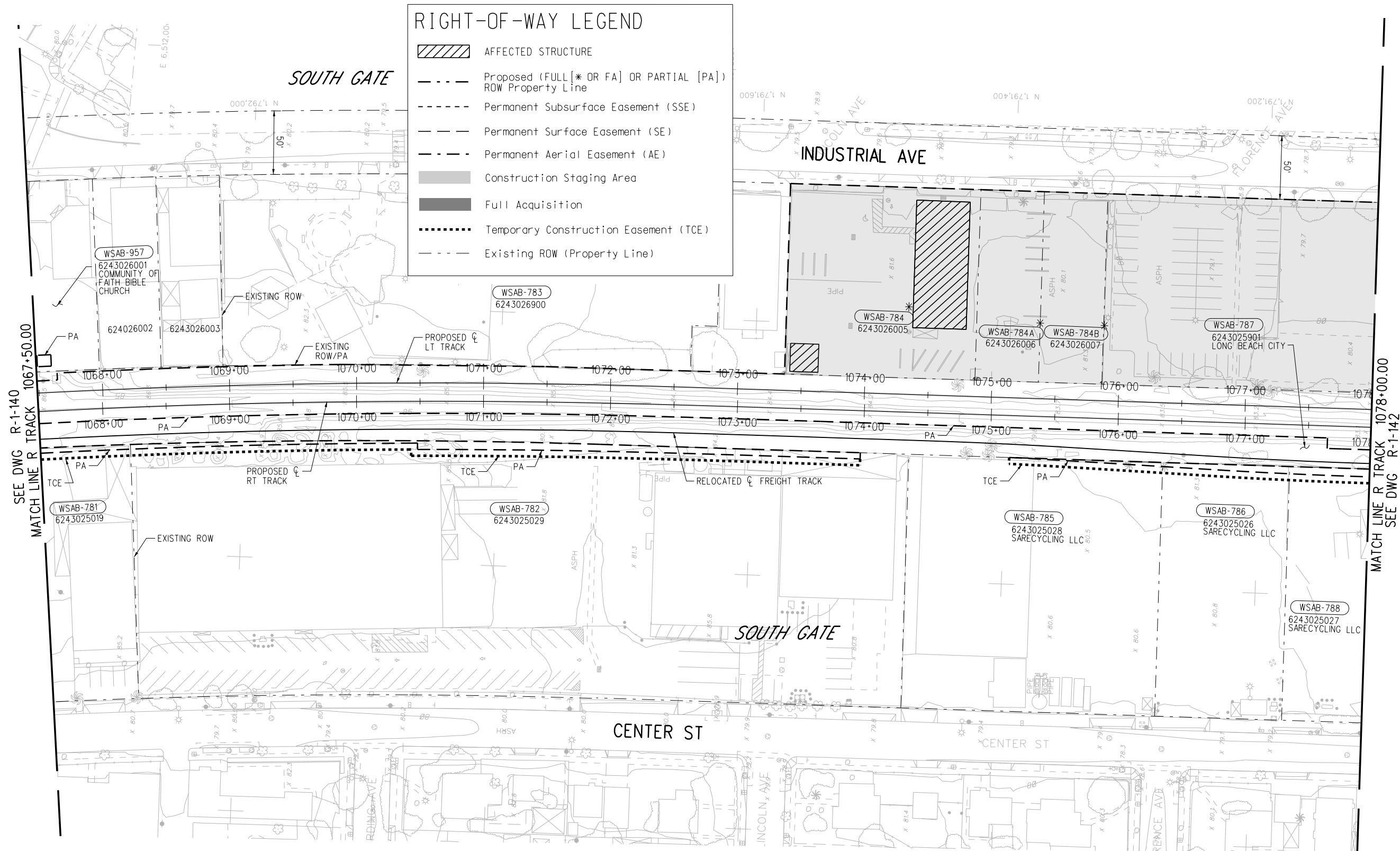
**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 1056+50 TO STA 1067+50**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-140</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>51</b>	OF <b>93</b>



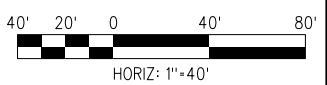
### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



SEE DWG R-1-140  
MATCH LINE R TRACK 1067+50.00

MATCH LINE R TRACK 1078+00.00  
SEE DWG R-1-142



16-FEB-2024 E-28091AR141.plt  
wsppw14-pw-svc 19:16

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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.						
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

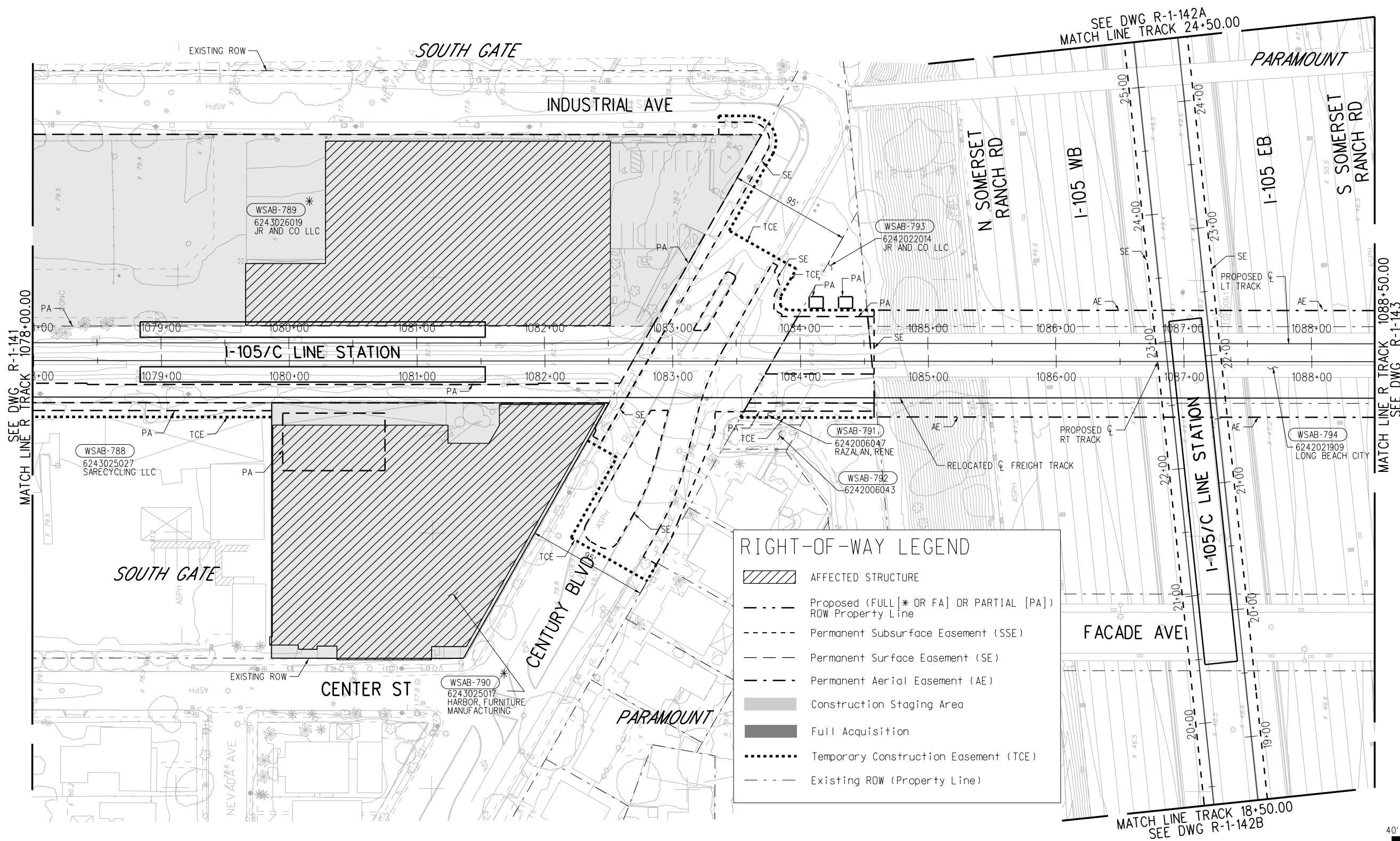
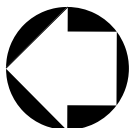
APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN**

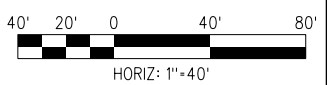
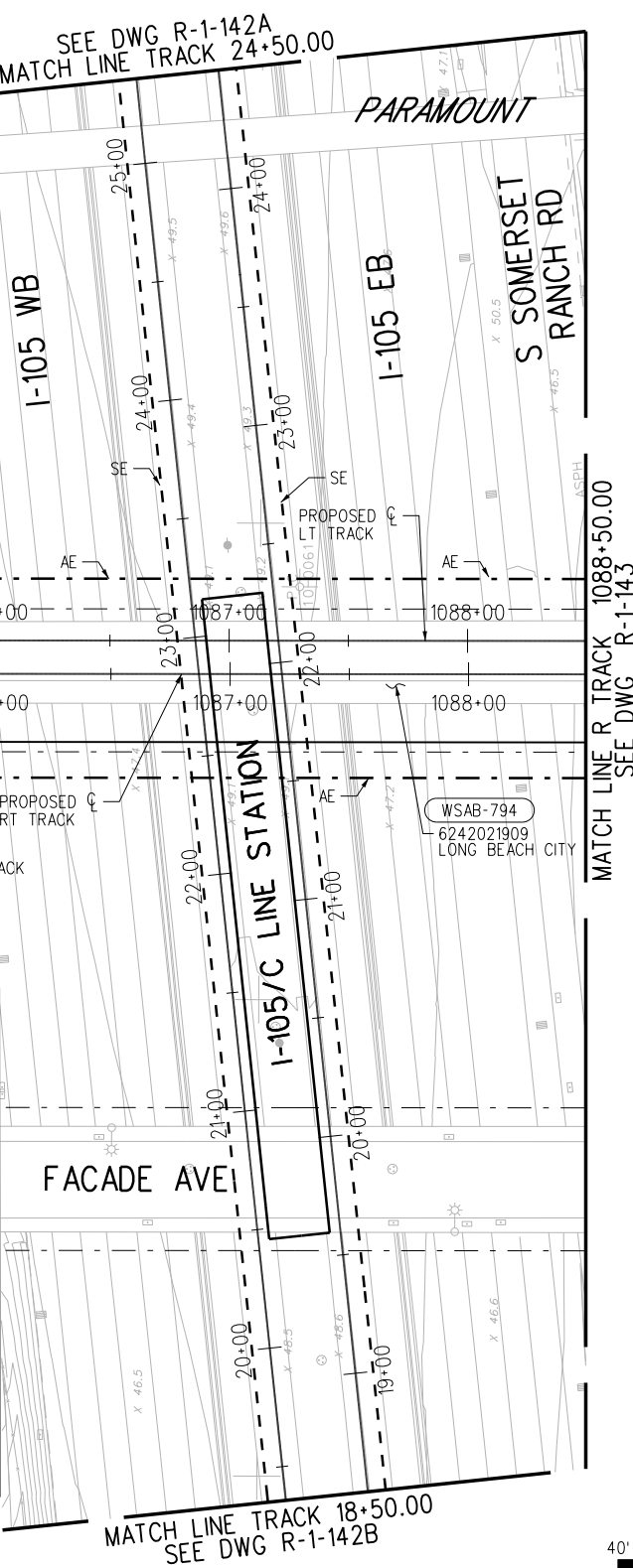
**STA 1067+50 TO STA 1078+00**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-141</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>52</b>	OF <b>93</b>



**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



16-FEB-2024 E-28091AR142.plg  
wspw14\_pw-svc 19:19

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**M Metro**  
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

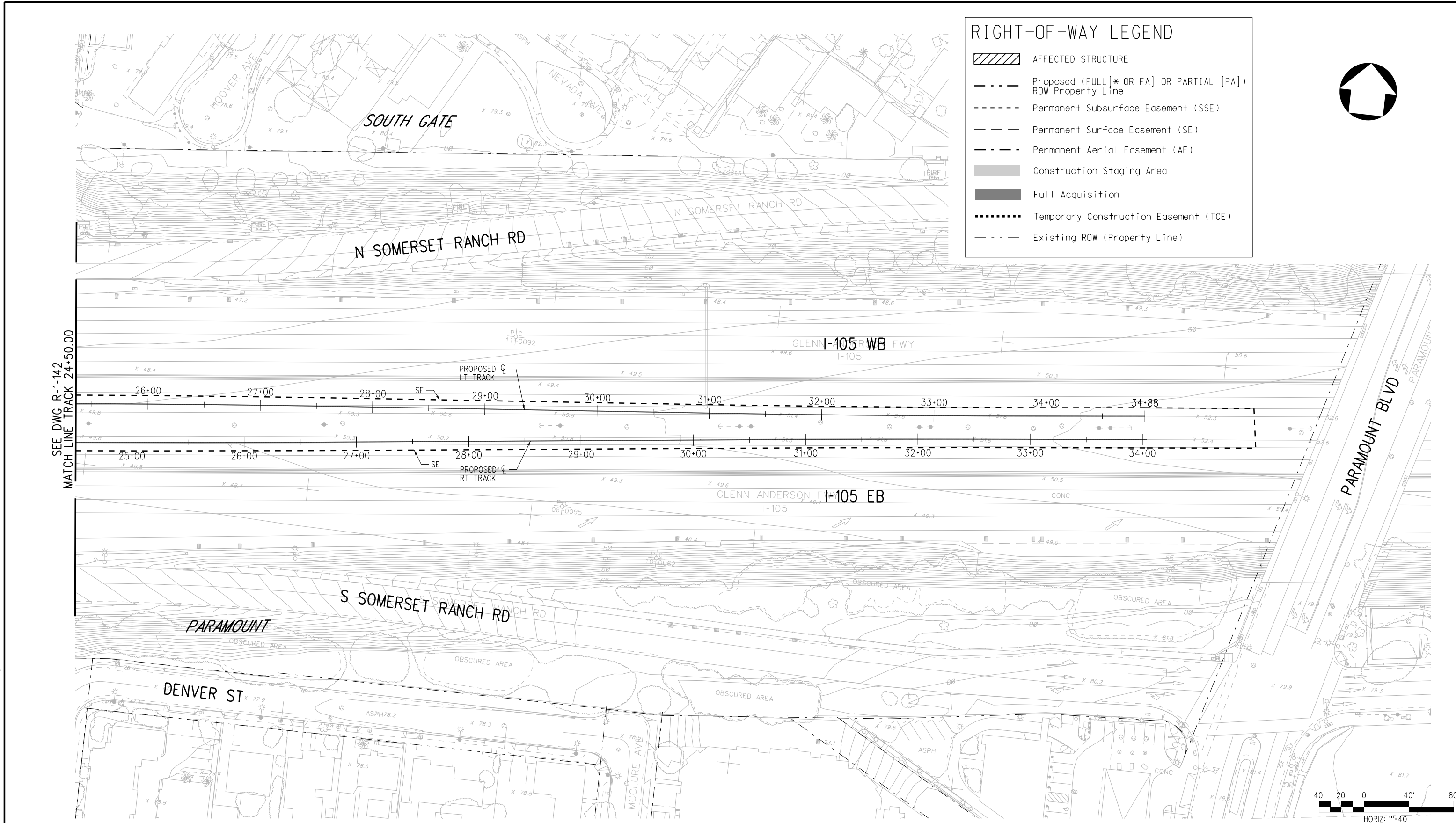
**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 1078+00 TO STA 1088+50**

CONTRACT NO. <b>AE5999300</b>
DRAWING NO. <b>R-1-142</b>
SCALE <b>HOR: 1"=40'</b>
SHEET NO. <b>53 OF 93</b>

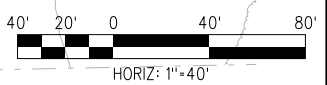
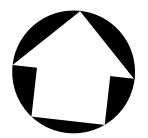
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wsppw14\_pw-svc 19:19



### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL[\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN**

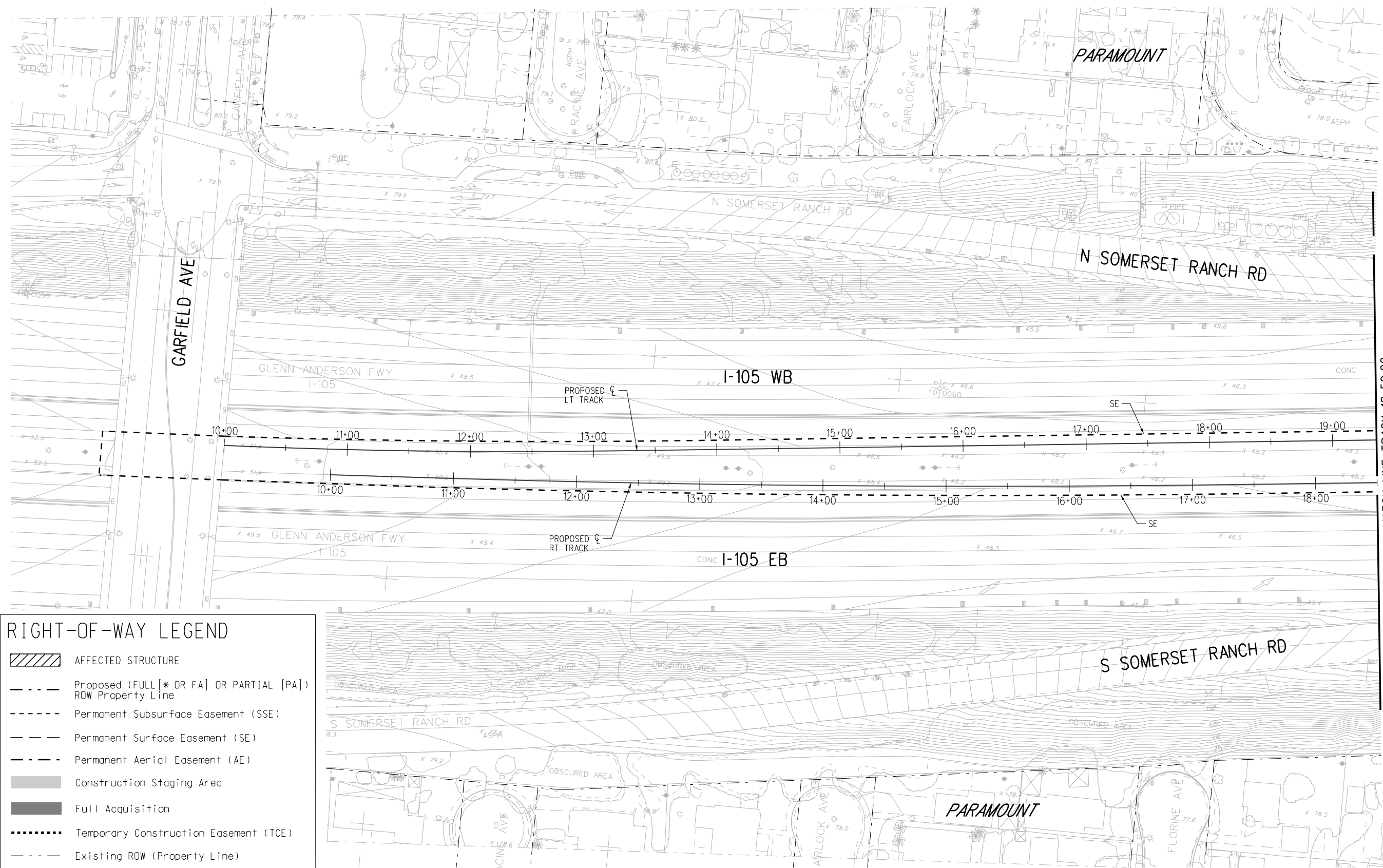
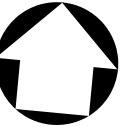
STA 1078+00 TO STA 1088+50

CONTRACT NO  
**AE5999300**

DRAWING NO  
**R-1-142A**

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

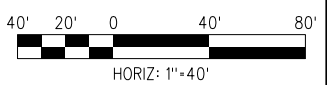
SHEET NO  
**54 OF 93**



MATCH LINE TRACK 18+50.00  
SEE DWG R-1-142

### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



**NOT FOR CONSTRUCTION**

16-FEB-2024 E-28091AR142B.plt  
wsppw14\_pw-svc 19:18  
Plot Driver=MTA-half.pen

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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
1	4/14/2023					
						DESCRIPTION
						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

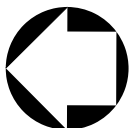
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN</b>	
STA 1078+00 TO STA 1088+50	
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>R-1-142B</b>	SCALE <b>HOR: 1"=40'</b>
SHEET NO. <b>55</b>	OF <b>93</b>





**NOTES:**  
 1. PRIVATE PROPERTY REAL ESTATE AND CONSTRUCTION IMPACTS TO BE REFINED DURING FUTURE DESIGN PHASES.

**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)

ARTHUR AVE

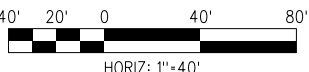
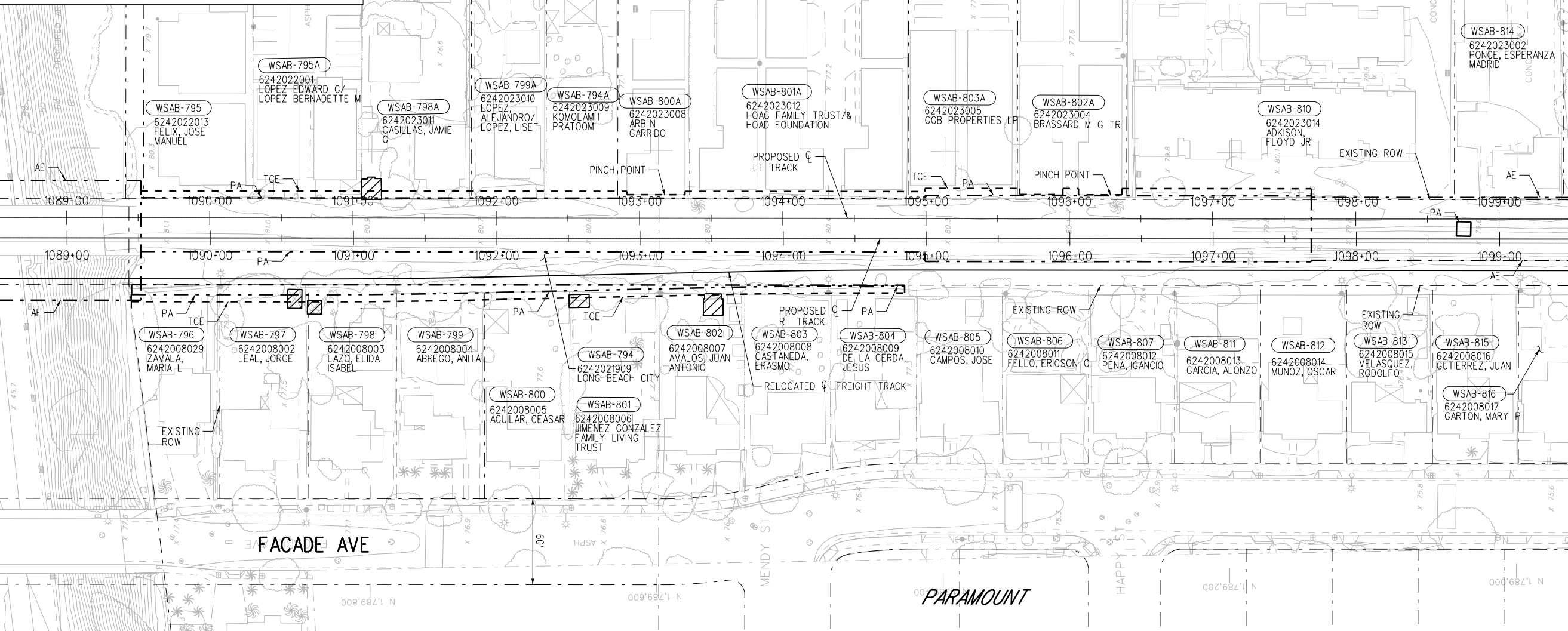
PARAMOUNT

FACADE AVE

PARAMOUNT

SEE DWG R-1-142  
MATCH LINE R TRACK 1088+50.00

MATCH LINE R TRACK 1099+50.00  
SEE DWG R-1-144



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

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DESIGNED BY  
SJ  
 DRAWN BY  
SJ  
 CHECKED BY  
CL  
 IN CHARGE  
RL  
 DATE  
4/14/2023

**M Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

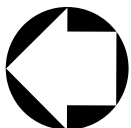
**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
 RIGHT- OF- WAY  
 LOCALLY PREFERRED ALTERNATIVE  
 PLAN  
 STA 1088+50 TO STA 1099+50

CONTRACT NO  
AE5999300  
 DRAWING NO  
R-1-143  
 SCALE  
HOR: 1"=40'  
 SHEET NO  
56 OF 93

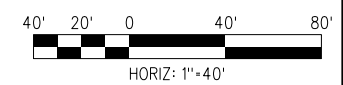
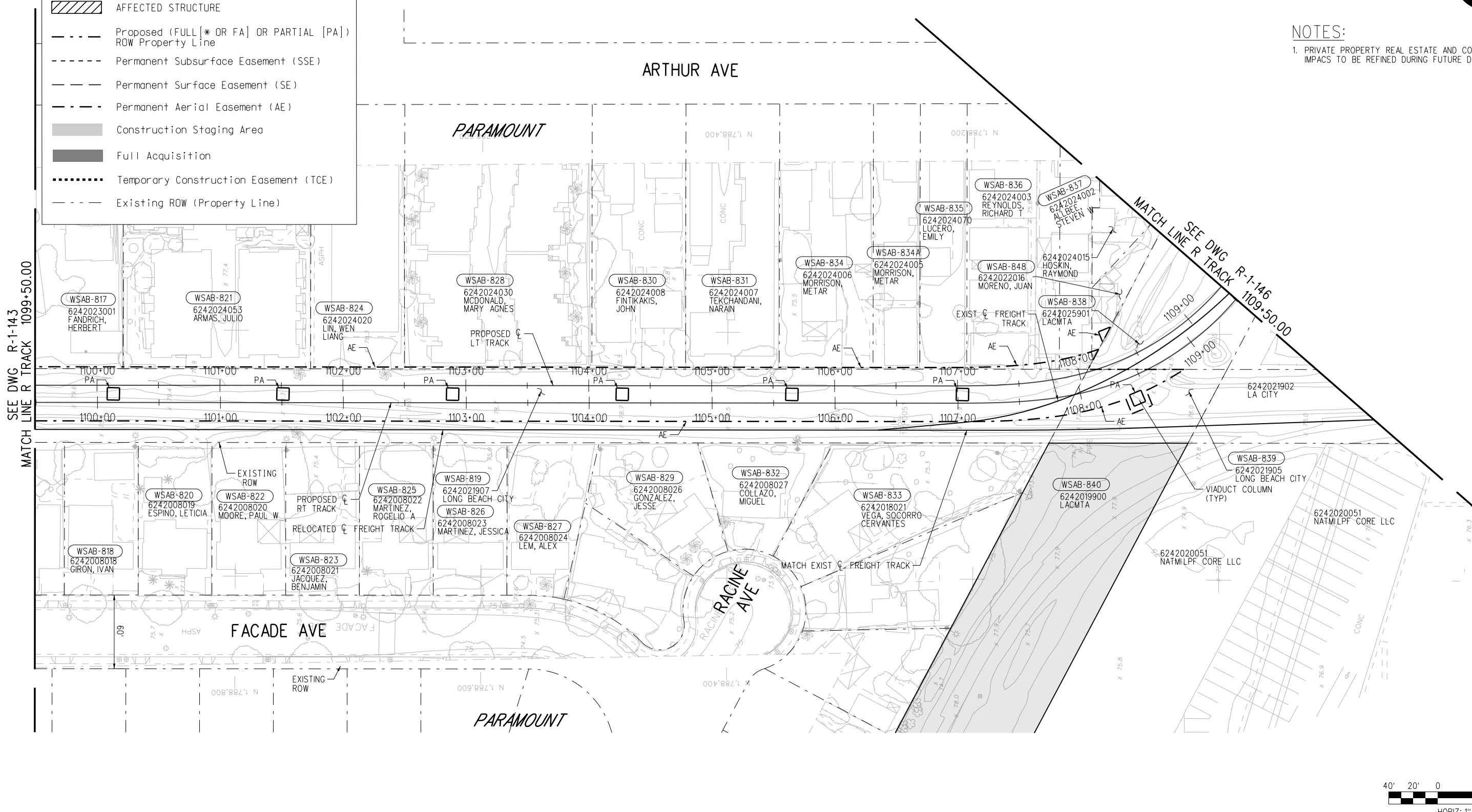
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS



**RIGHT-OF-WAY LEGEND**

	AFFECTED STRUCTURE
	Proposed (FULL[* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)

**NOTES:**  
 1. PRIVATE PROPERTY REAL ESTATE AND CONSTRUCTION IMPACTS TO BE REFINED DURING FUTURE DESIGN PHASES.

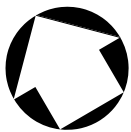


**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

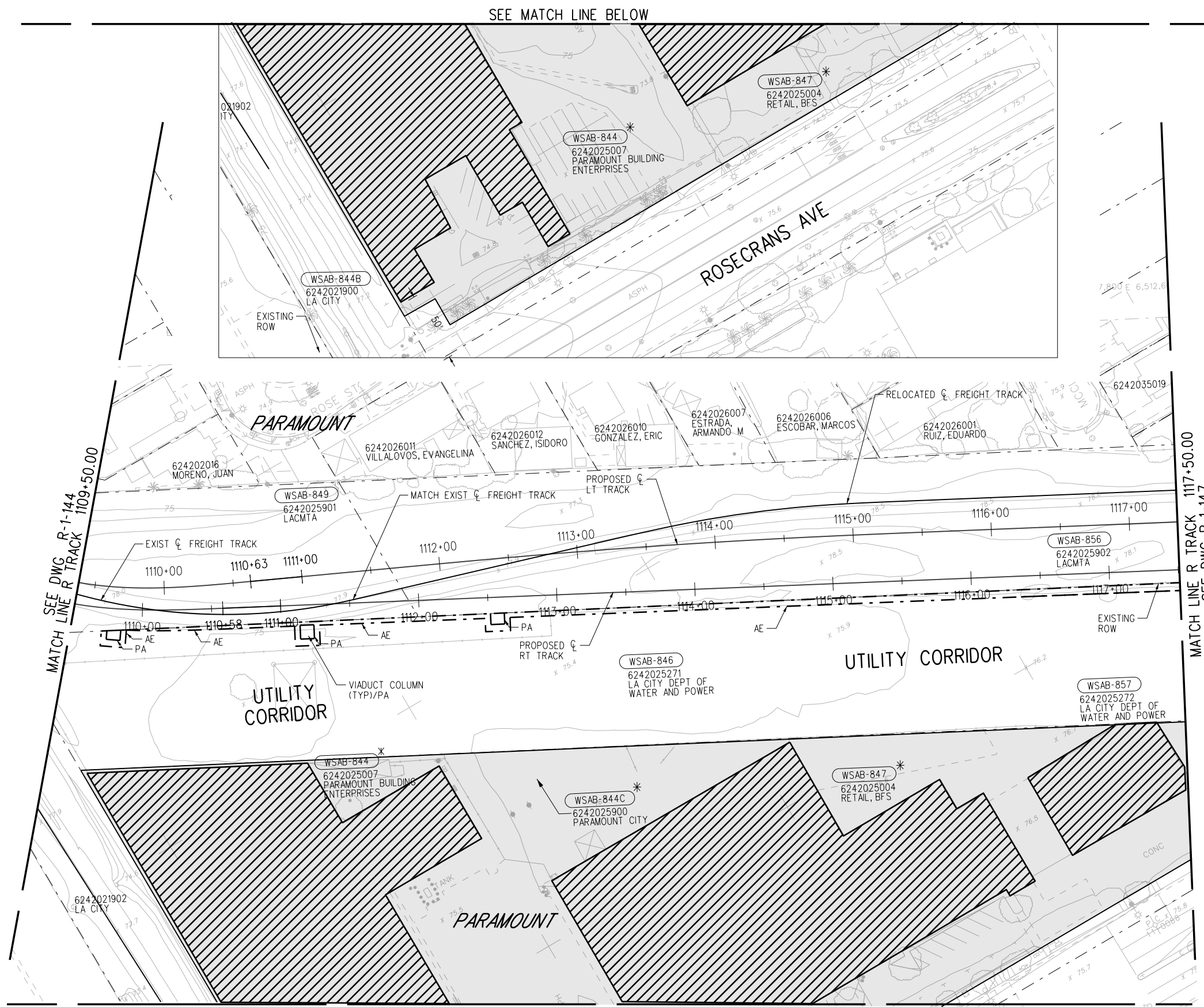
**NOT FOR CONSTRUCTION**

16-FEB-2024 E-28091AR144.plg  
 wspw14-pw-svc 19:17

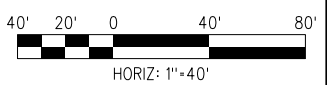
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						DESIGNED BY SJ DRAWN BY SJ CHECKED BY CL IN CHARGE RL DATE 4/14/2023		<b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b> 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071		<b>WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN</b> STA 1099+50 TO STA 1109+50		CONTRACT NO <b>AE5999300</b> DRAWING NO <b>R-1-144</b> SCALE <b>HOR: 1"=40'</b> SHEET NO <b>57 OF 93</b>	
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	APPROVED	APPROVED	APPROVED	APPROVED		
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS						



RIGHT-OF-WAY LEGEND	
	AFFECTED STRUCTURE
	Proposed (FULL [* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



16-FEB-2024 E-28091AR146.plg  
wsppw14-pw-svc 19:22



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

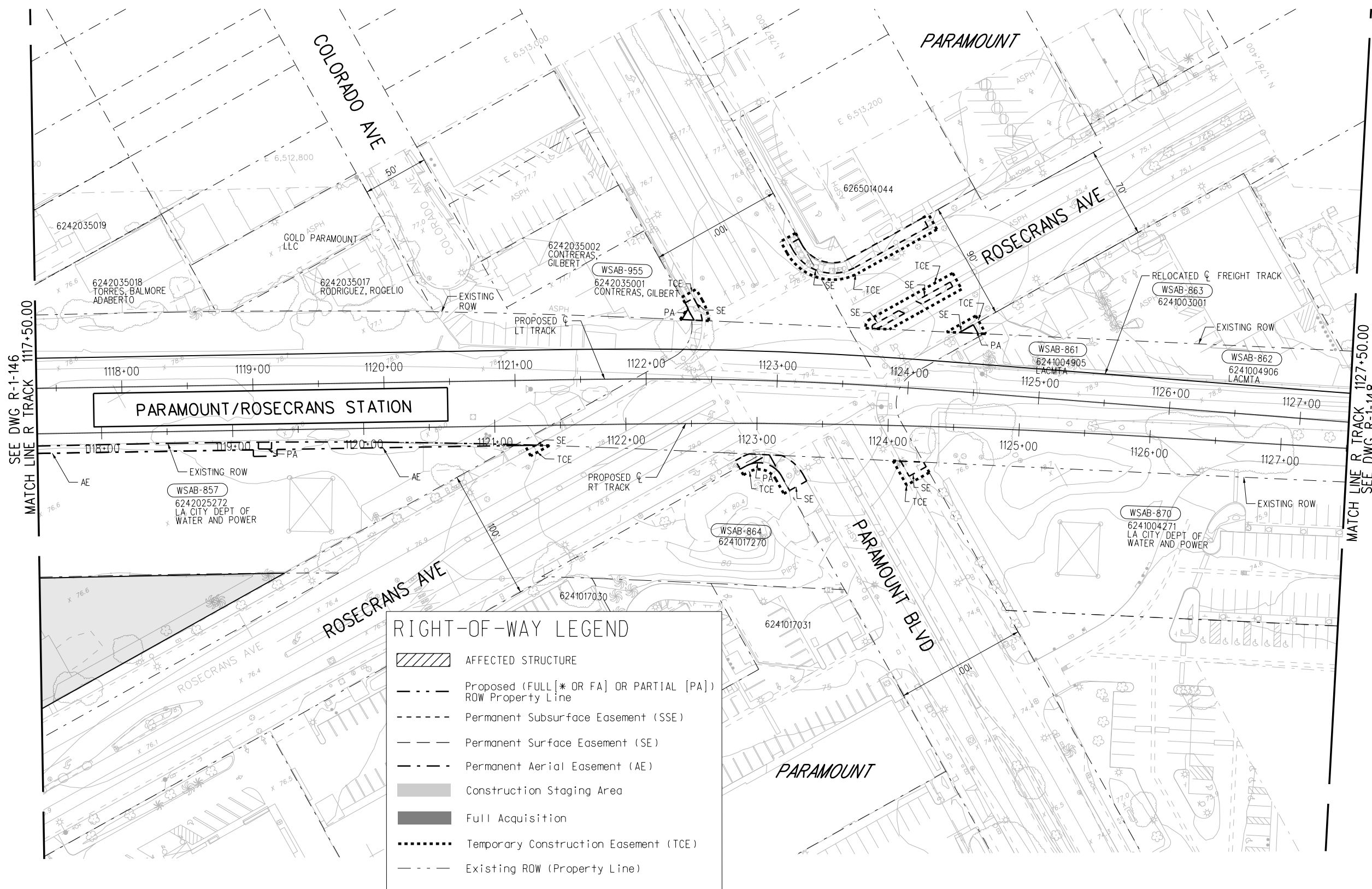
SUBMITTED	_____
APPROVED	_____

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 1117+50 TO STA 1127+50**

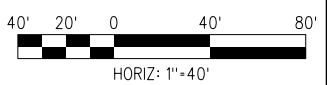
CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-146</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>58</b>	OF <b>93</b>





**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	
APPROVED	

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 1127+50 TO STA 1138+50**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-147</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>59</b>	OF <b>93</b>

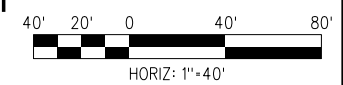
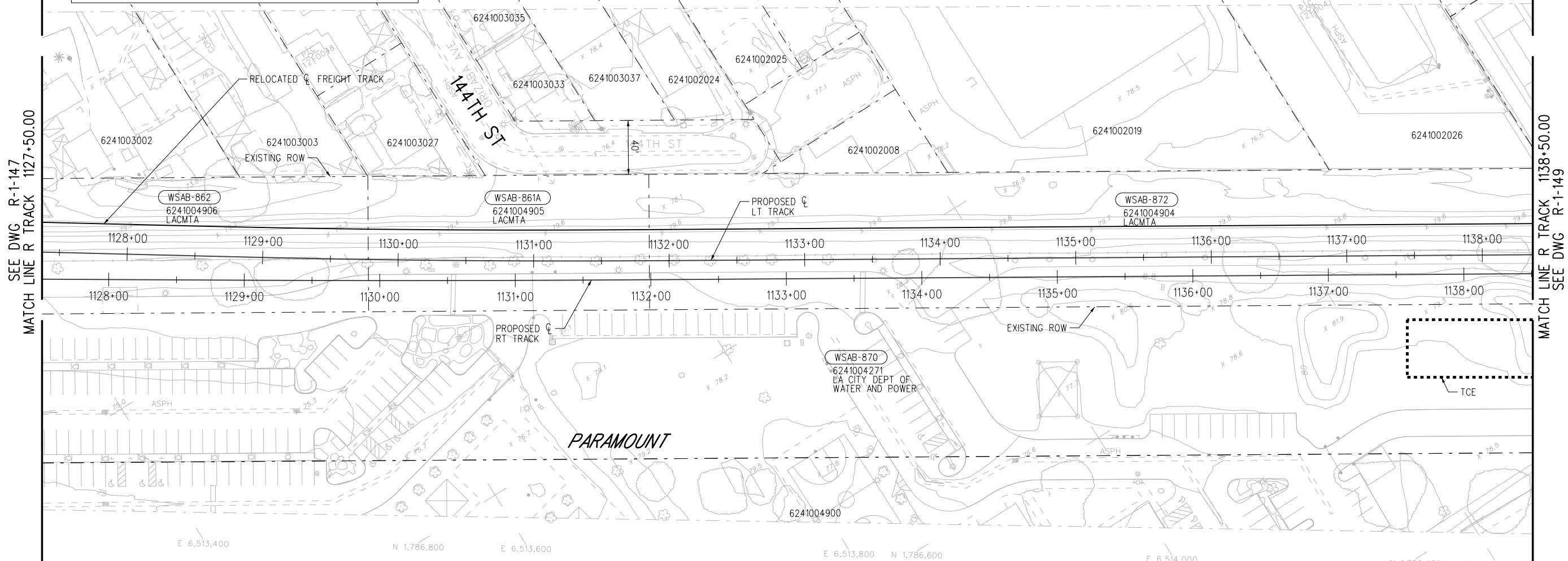
16-FEB-2024 E-28091AR147.plg



**NOTES:**  
 1. ACCESS TO THE FACILITIES CAN BE MADE FROM DOWNEY AVE ON THE EAST AND PARAMOUNT BLVD ON THE WEST

**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 1138+50 TO STA 1149+50**

CONTRACT NO <b>AE5999300</b>	REV
DRAWING NO <b>R-1-148</b>	
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>60</b>	OF <b>93</b>

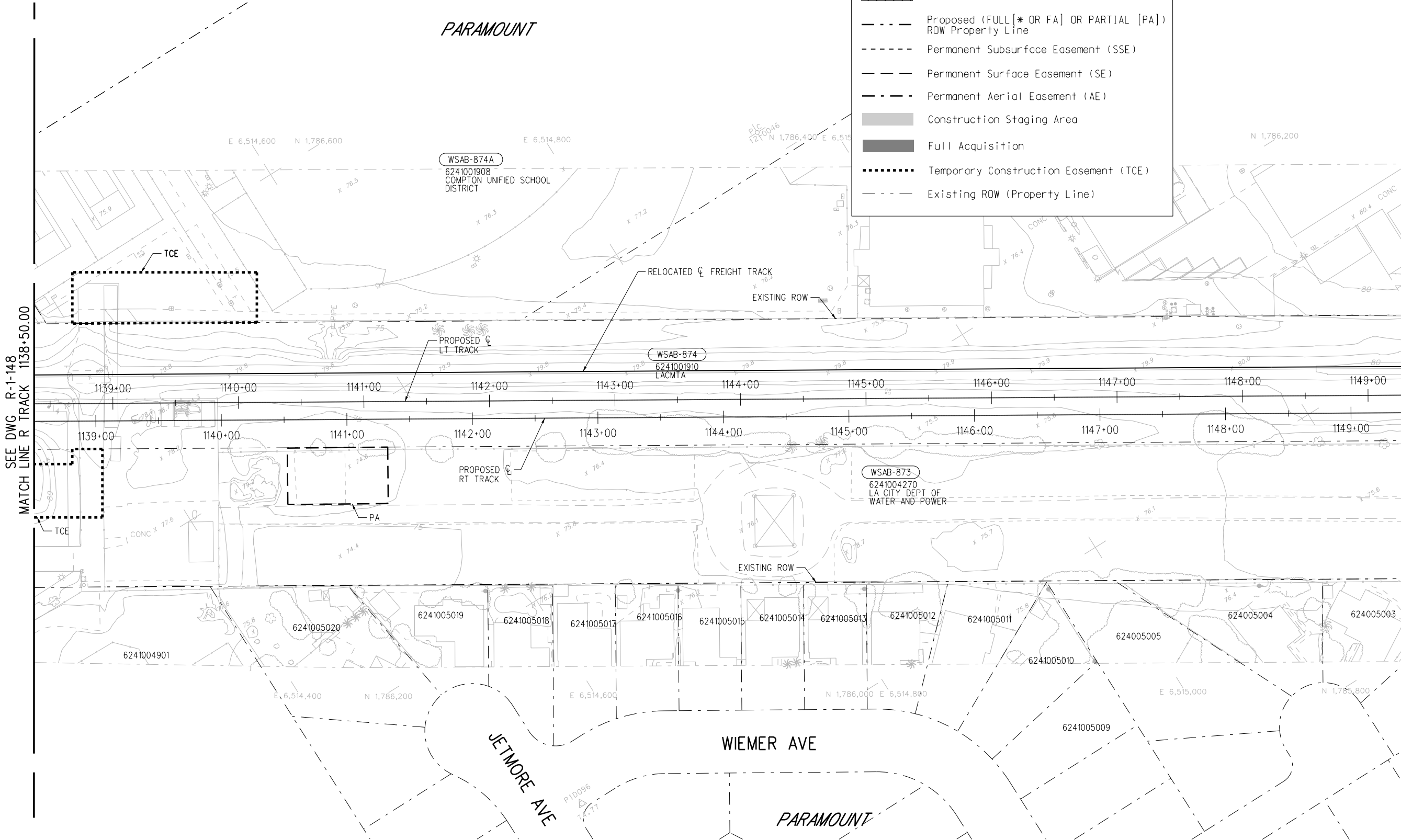
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wsppw14-pw-svc 19:18  
Plot Driver=MTA-half.pen Pentable=bw.plt



**NOTES:**  
 1. ACCESS TO THE FACILITIES CAN BE MADE FROM DOWNEY AVE ON THE EAST AND PARAMOUNT BLVD ON THE WEST

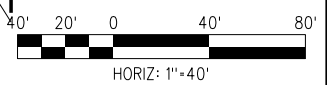
### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



SEE DWG R-1-148 MATCH LINE R TRACK 1138+50.00

MATCH LINE R TRACK 1149+50.00 SEE DWG R-1-150



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

16-FEB-2024 E-28091AR149.plg  
wsppw14-pw-svc 19:18

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REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
						DESCRIPTION

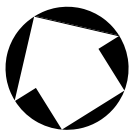
DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

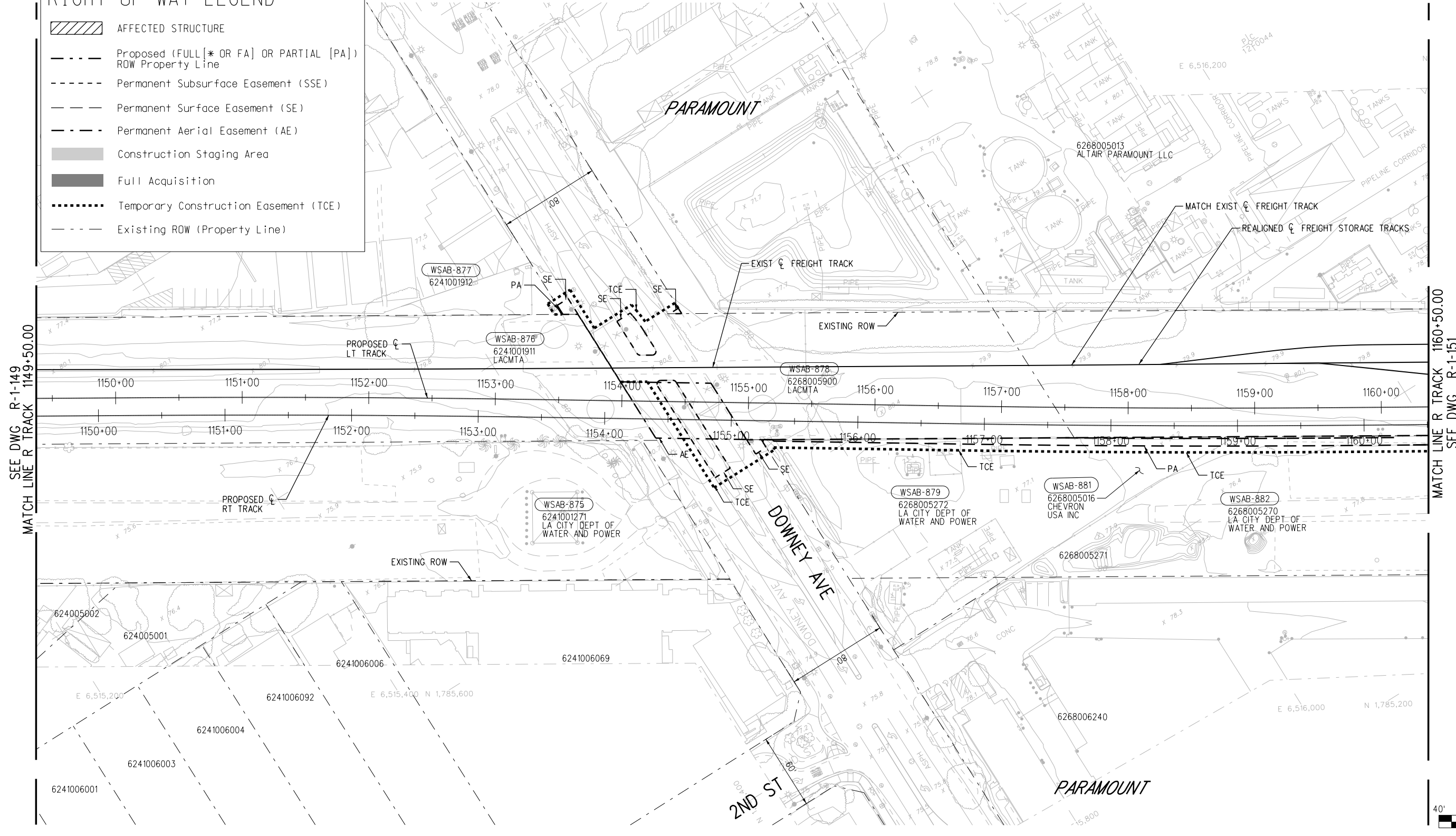
SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1149+50 TO STA 1160+50</b>	
CONTRACT NO <b>AE5999300</b>	REV
DRAWING NO <b>R-1-149</b>	SCALE <b>HOR: 1"=40'</b>
SHEET NO <b>61</b>	OF <b>93</b>

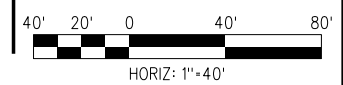


**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



16-FEB-2024 E-28091AR150.plg  
wsppw14-pw-svc 19:18  
Plot Driver=MTA-half.pen



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

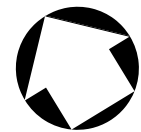
DESIGNED BY SJ
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CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

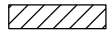

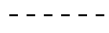






**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

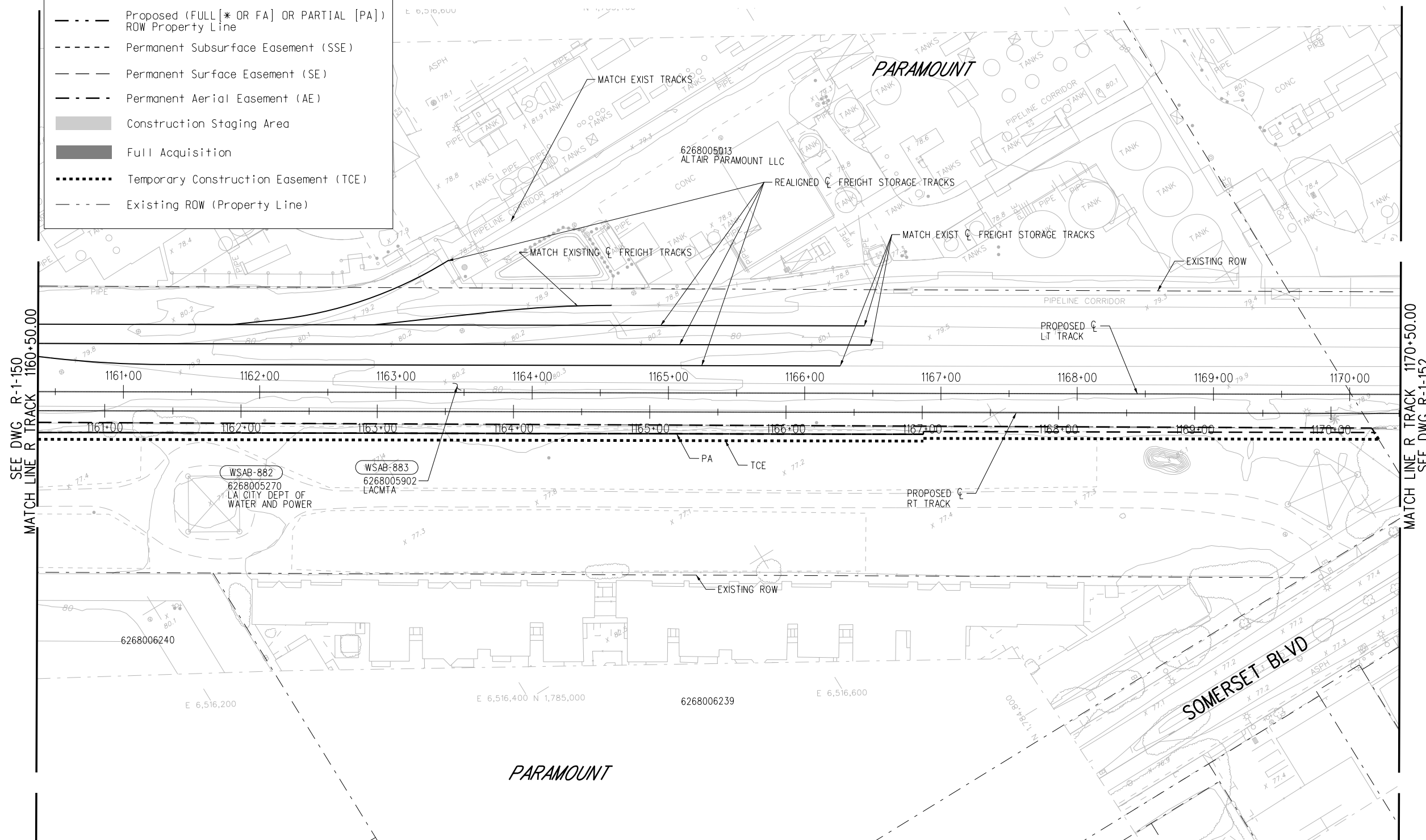
SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1160+50 TO STA 1170+50</b>	
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>R-1-150</b>	
SCALE <b>HOR: 1"=40'</b>	
SHEET NO. <b>62</b>	OF <b>93</b>



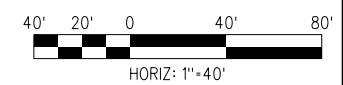
### RIGHT-OF-WAY LEGEND

-  AFFECTED STRUCTURE
-  Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
-  Permanent Subsurface Easement (SSE)
-  Permanent Surface Easement (SE)
-  Permanent Aerial Easement (AE)
-  Construction Staging Area
-  Full Acquisition
-  Temporary Construction Easement (TCE)
-  Existing ROW (Property Line)



SEE DWG R-1-150  
MATCH LINE R TRACK 1160+50.00


MATCH LINE R TRACK 1170+50.00  
SEE DWG R-1-152



#### FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023

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.						
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023



**LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

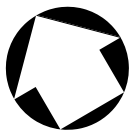
**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 1170+50 TO STA 1181+50**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-151</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>63</b>	OF <b>93</b>

NOT FOR CONSTRUCTION

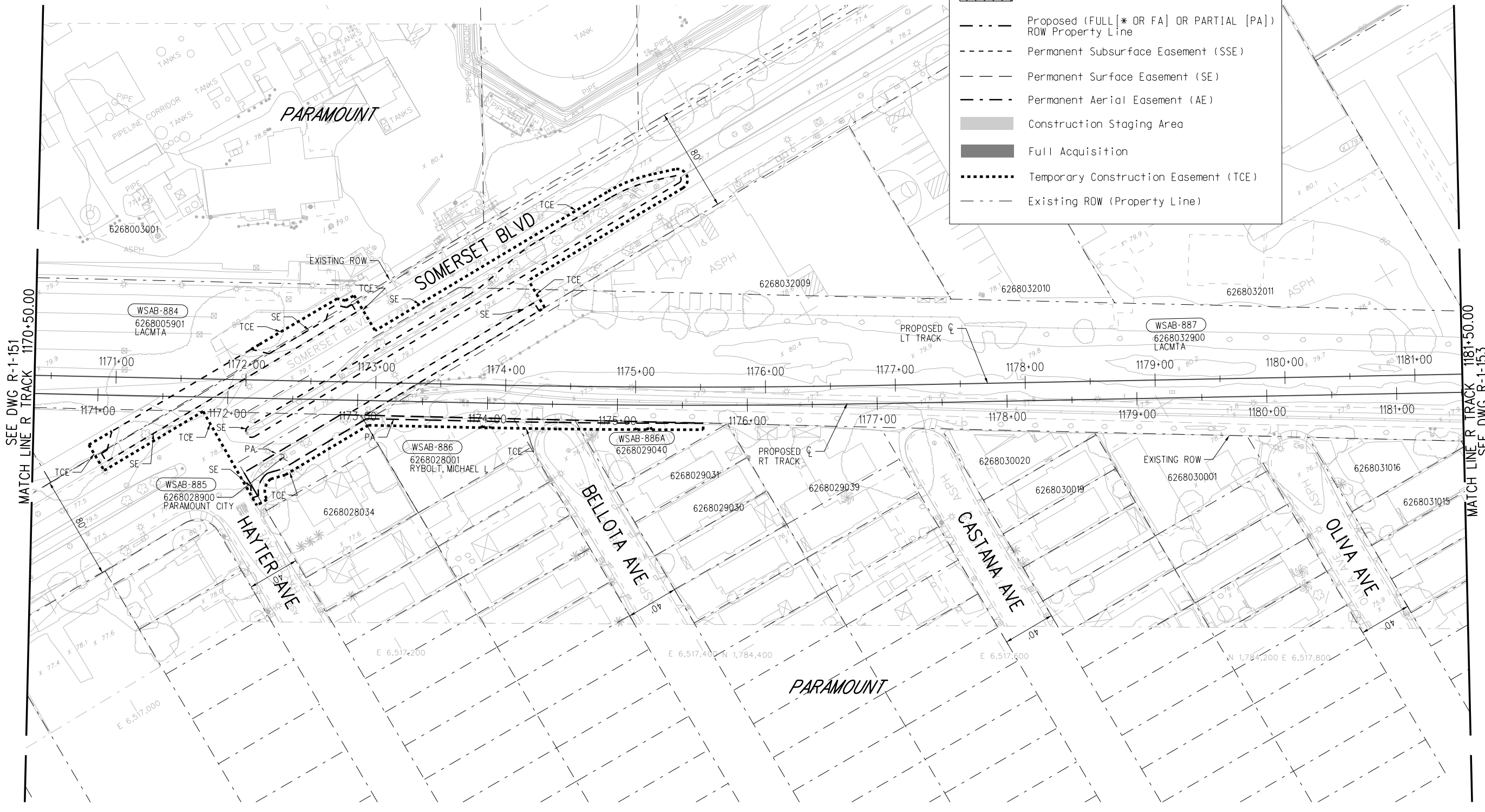
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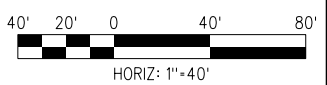
### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



SEE DWG R-1-151  
MATCH LINE R TRACK 1170+50.00

MATCH LINE R TRACK 1181+50.00  
SEE DWG R-1-153



#### FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

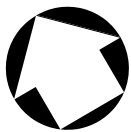
APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 1181+50 TO STA 1191+50**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-152</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>64</b>	OF <b>93</b>

16-FEB-2024 E-28091AR152.plt  
wsppw14-pw-svc 19:19  
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Pentable=bw.plt

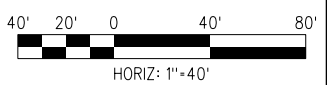


### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



16-FEB-2024 E-28091AR153.plg  
wsppw14-pw-svc 19:16



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

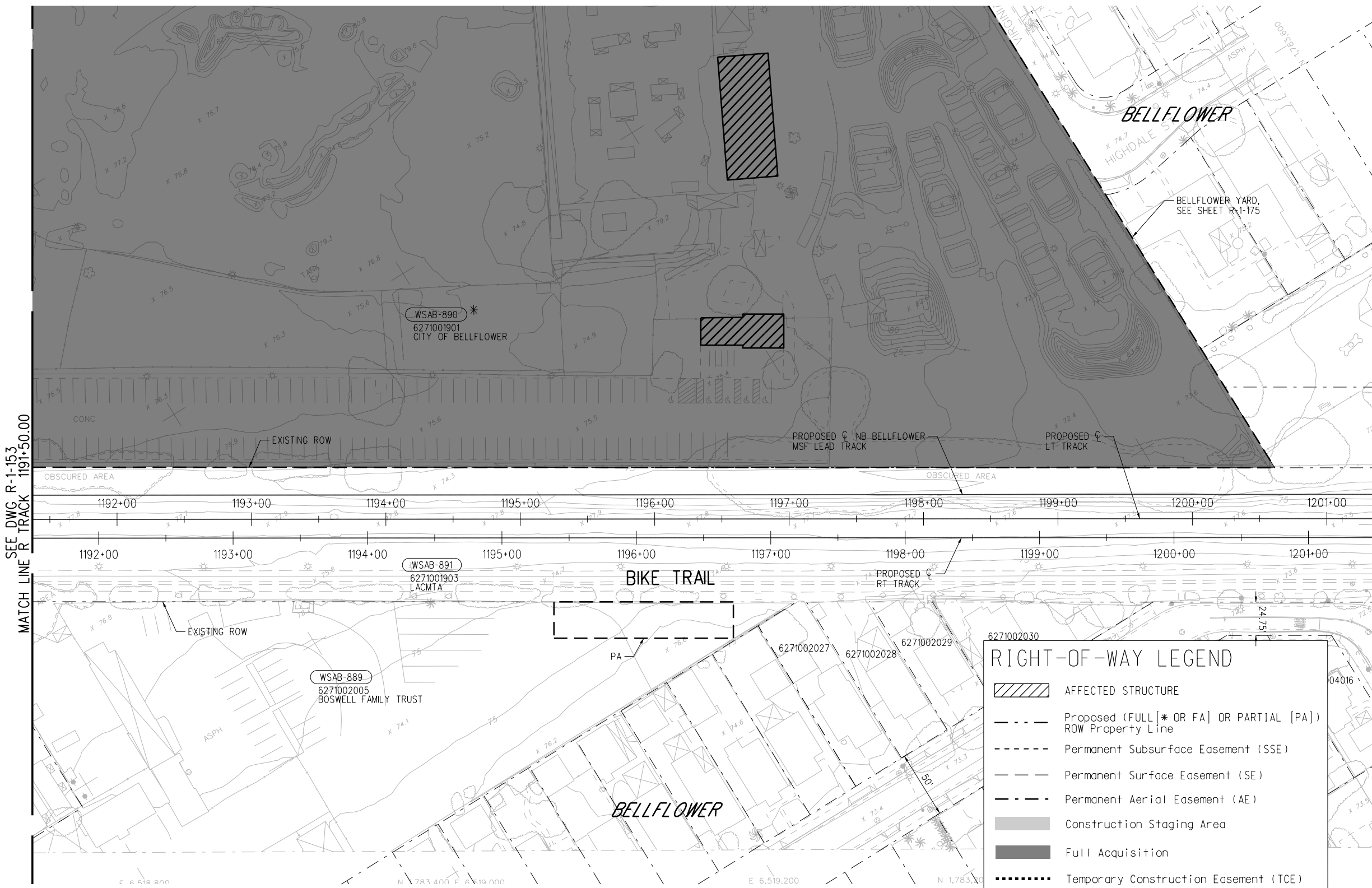
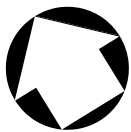
**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT**  
**RIGHT- OF- WAY**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN**  
**STA 1191+50 TO STA 1201+50**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-153</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>65</b>	OF <b>93</b>

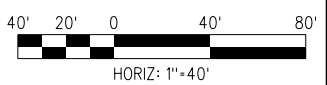


SEE DWG R-1-153  
MATCH LINE R TRACK 1191+50.00

MATCH LINE R TRACK 1201+50.00  
SEE DWG R-1-155

**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

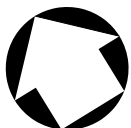
APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 1201+50 TO STA 1211+50

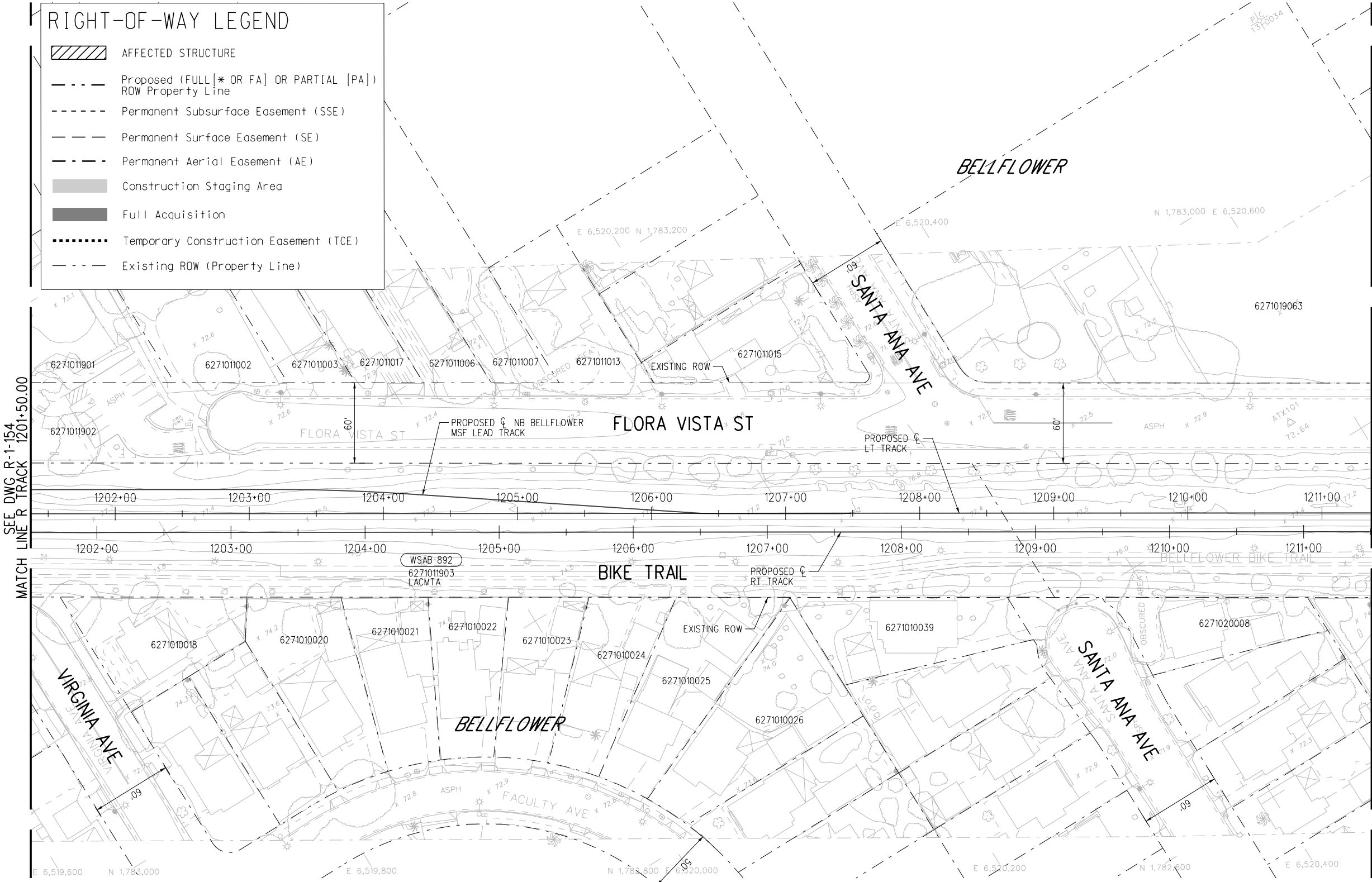
CONTRACT NO	AE5999300
DRAWING NO	R-1-154
SCALE	HOR: 1"=40'
SHEET NO	66 OF 93

16-FEB-2024 E-28091AR154.plg  
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Pentable=bw.plt



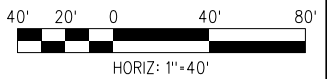


RIGHT-OF-WAY LEGEND	
	AFFECTED STRUCTURE
	Proposed (FULL [* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



SEE DWG R-1-154 MATCH LINE R TRACK 1201+50.00

MATCH LINE R TRACK 1211+50.00 SEE DWG R-1-156



16-FEB-2024 E-28091AR155.plg  
wsppw14-pw-svc 19:17

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

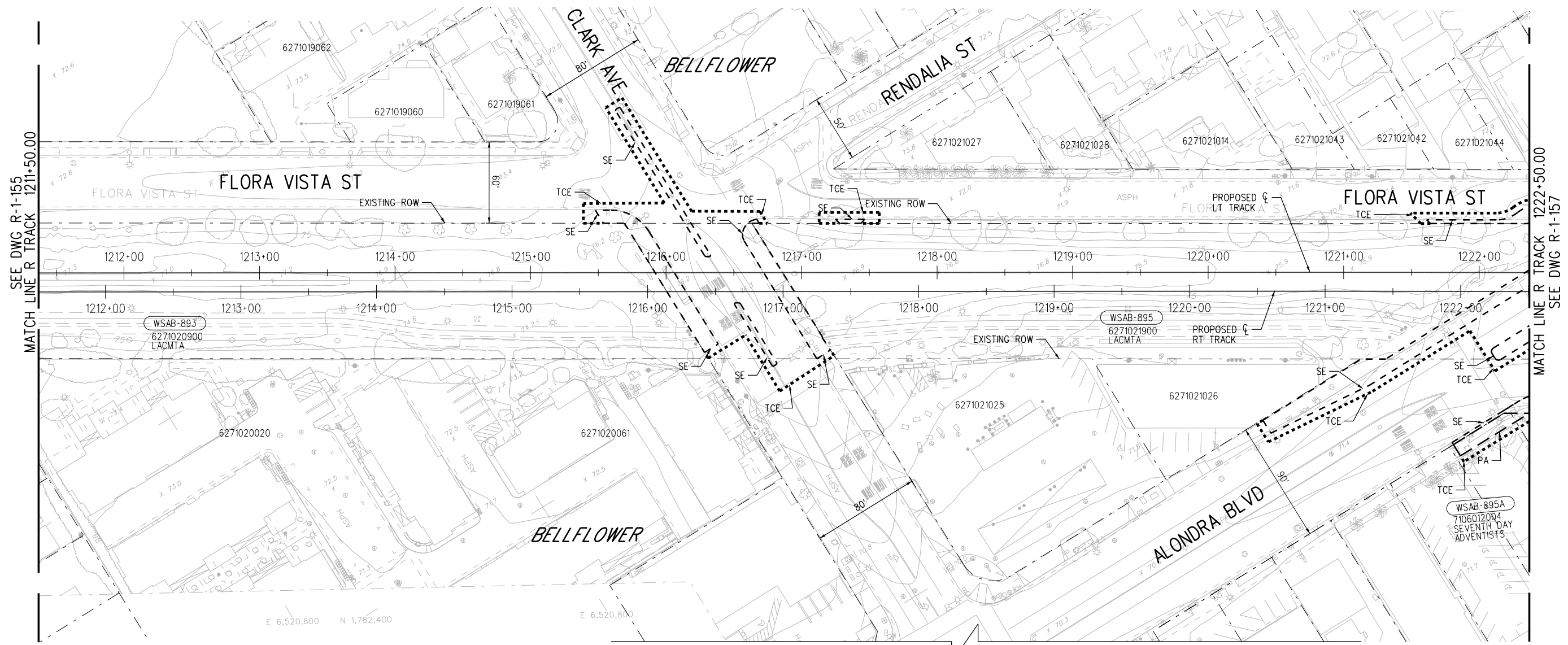
**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

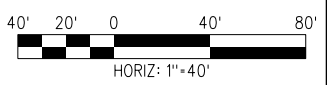
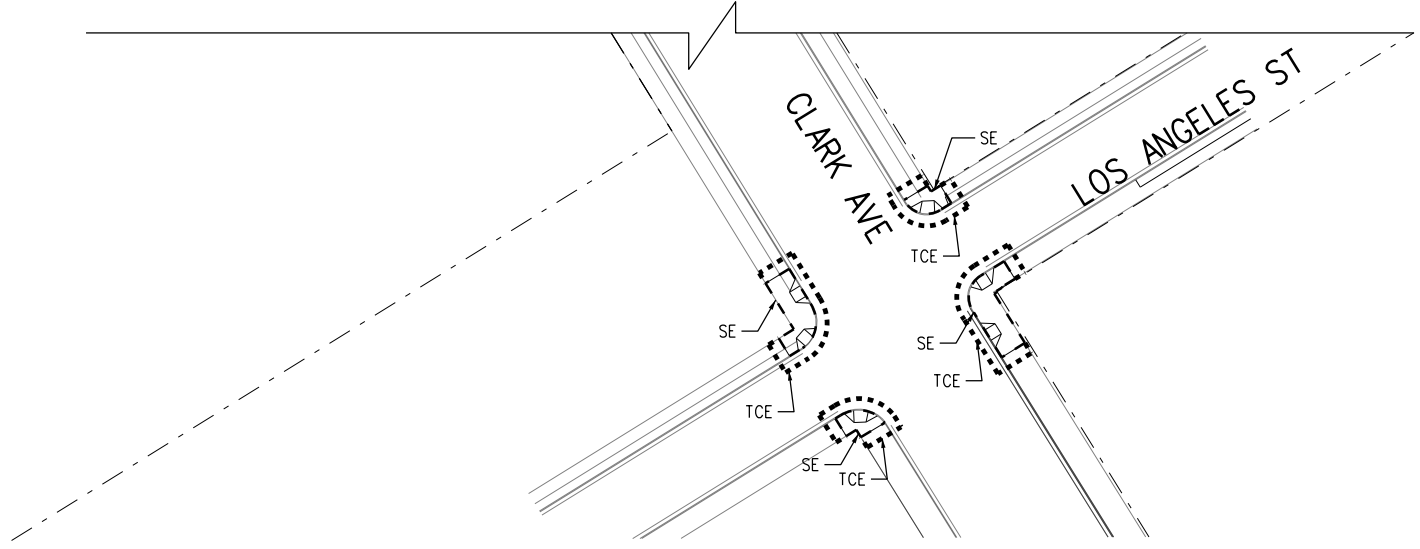
**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 1211+50 TO STA 1222+50**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-155</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>67</b>	OF <b>93</b>



RIGHT-OF-WAY LEGEND	
	AFFECTED STRUCTURE
	Proposed (FULL[* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

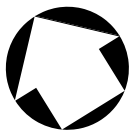
SUBMITTED	_____
APPROVED	_____

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT**  
**RIGHT- OF- WAY**  
**LOCALLY PREFERRED ALTERNATIVE**  
**PLAN**  
**STA 1222+50 TO STA 1233+50**

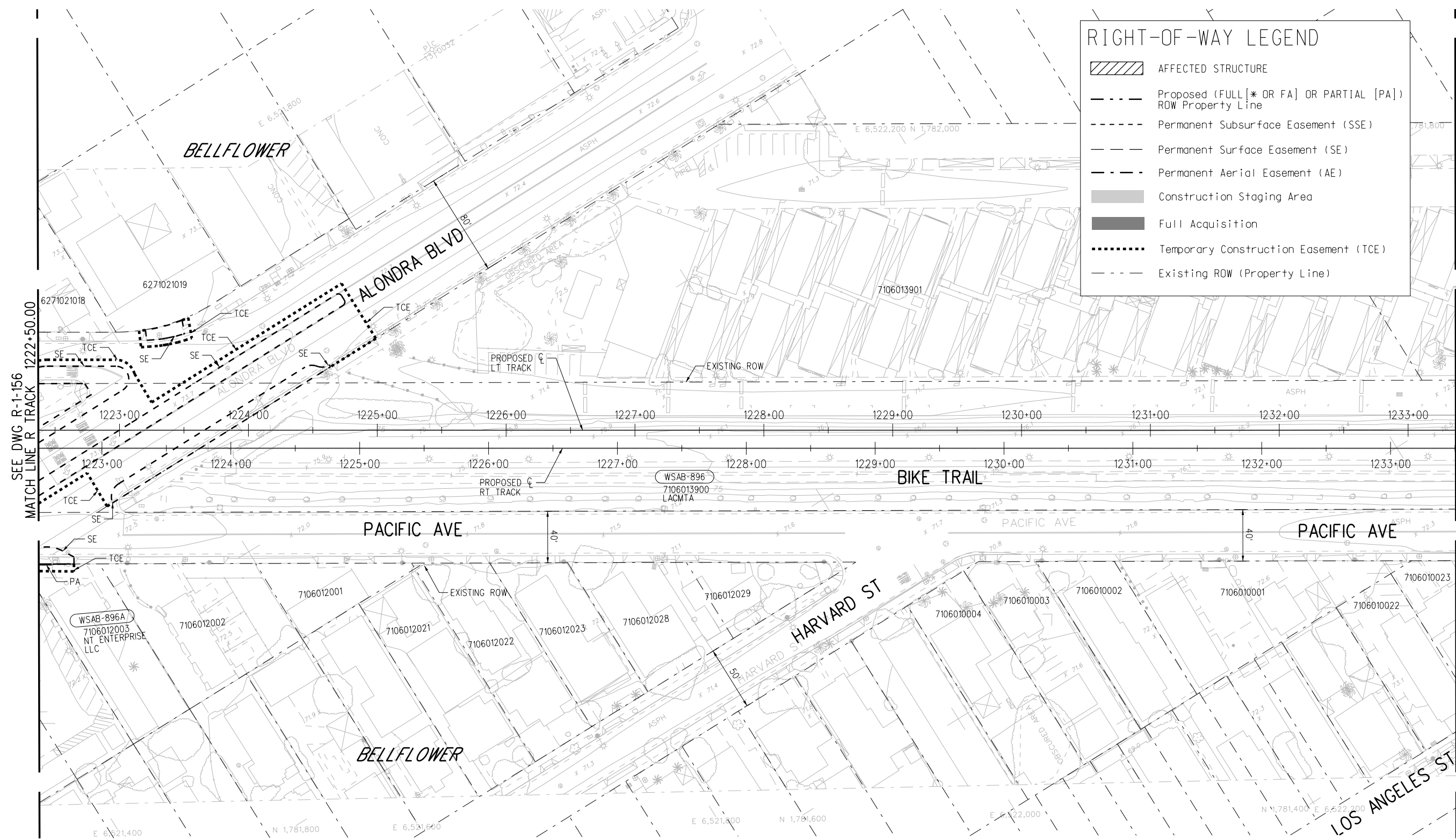
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>R-1-156</b>	
SCALE <b>HOR: 1"=40'</b>	
SHEET NO. <b>68</b>	OF <b>93</b>

16-FEB-2024 E-28091AR156.plg  
wsppw14-pw-svc 19:17  
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Pentable=bw.plt



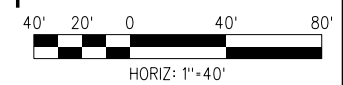
### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



SEE DWG R-1-156  
MATCH LINE R TRACK 1222+50.00

MATCH LINE R TRACK 1233+50.00  
SEE DWG R-1-158



16-FEB-2024 E-28091AR157.plg  
wsppw14-pw-svc 19:19

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

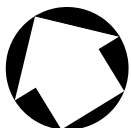
**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

**NOT FOR CONSTRUCTION**

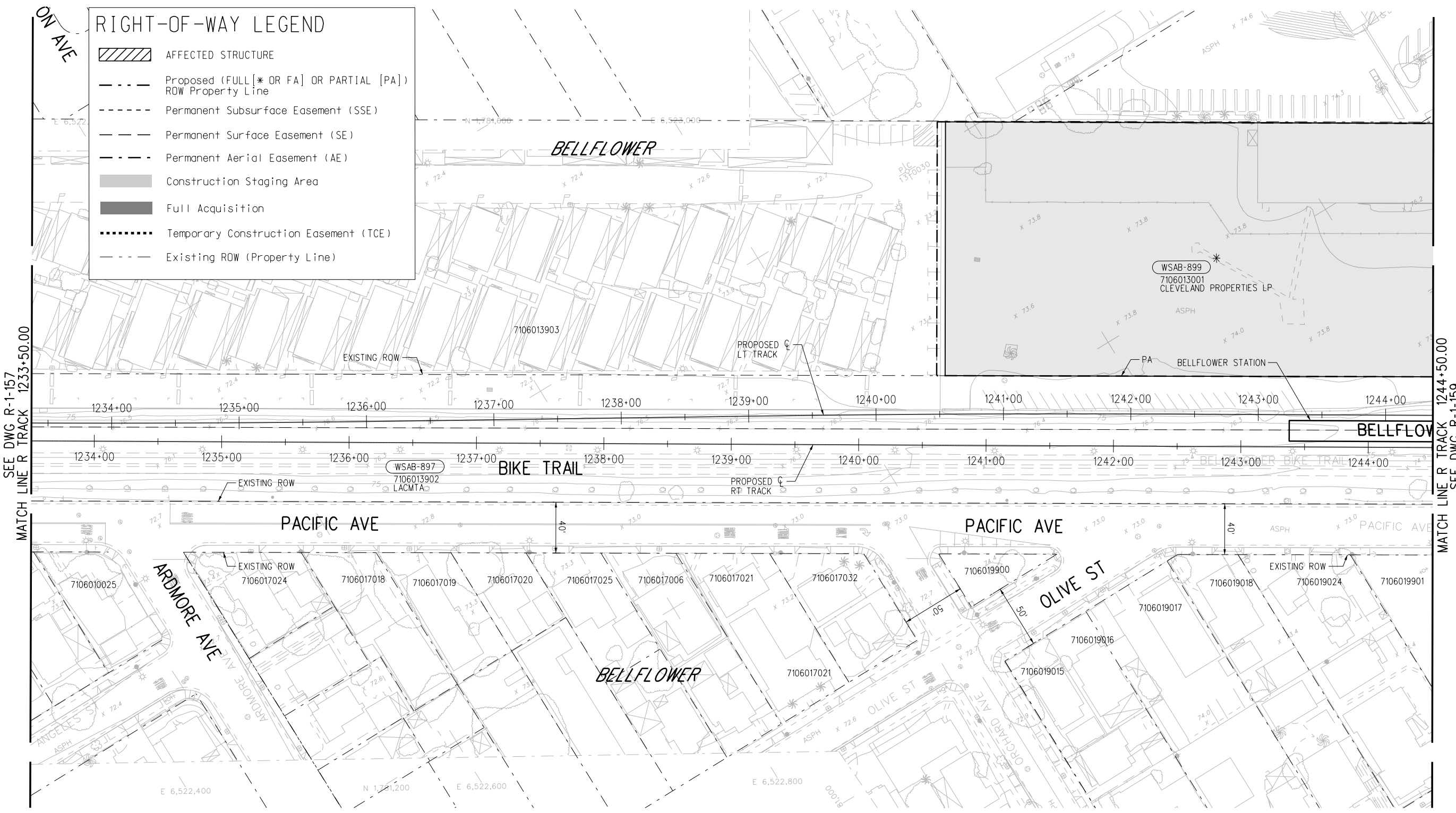
**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 1233+50 TO STA 1244+50**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-157</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>69</b>	OF <b>93</b>



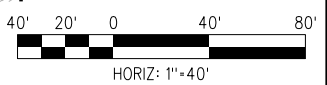
**RIGHT-OF-WAY LEGEND**

	AFFECTED STRUCTURE
	Proposed (FULL [* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



SEE DWG R-1-157  
MATCH LINE R TRACK 1233+50.00

MATCH LINE R TRACK 1244+50.00  
SEE DWG R-1-159



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

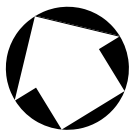
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 1244+50 TO STA 1255+50**

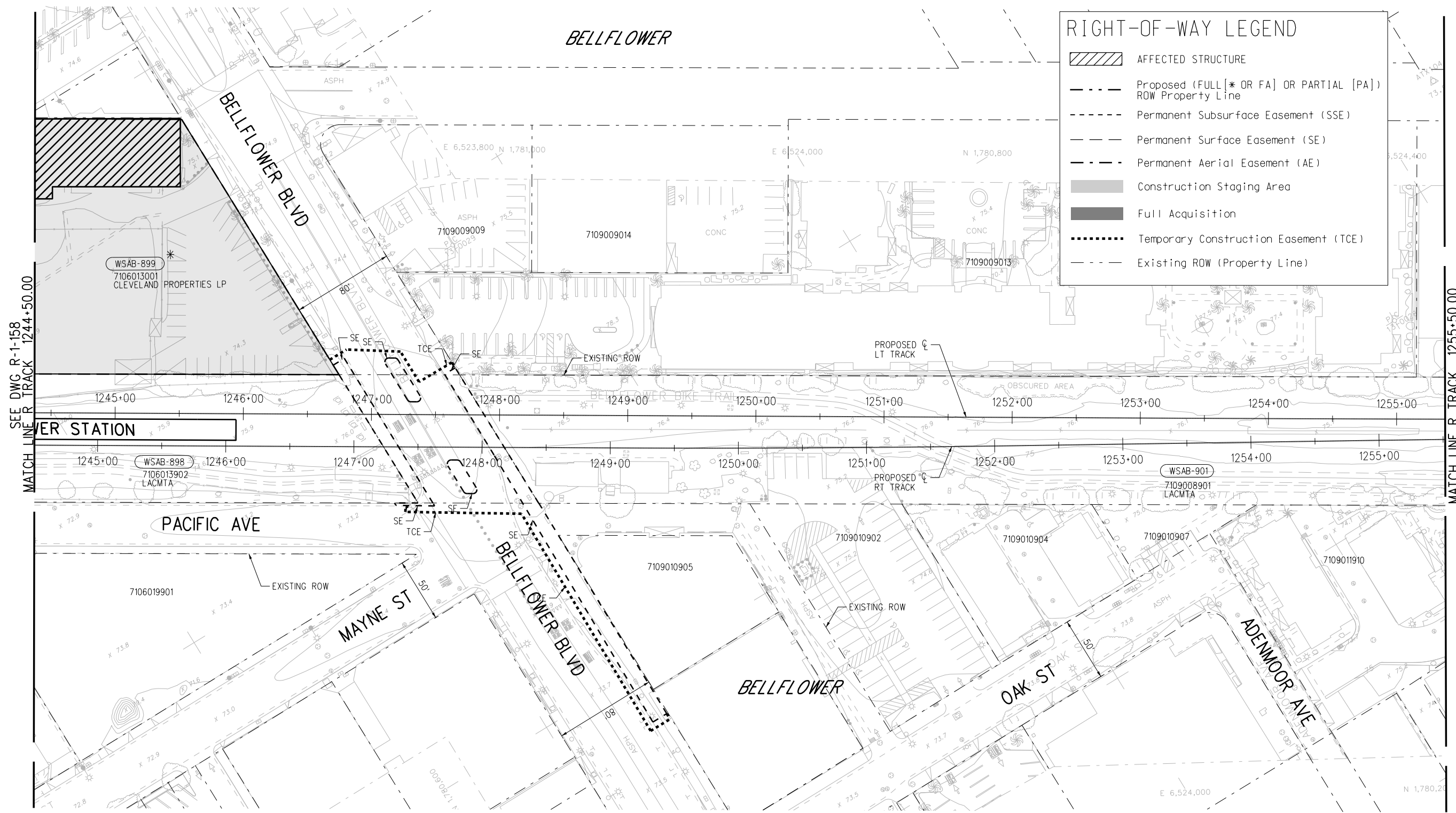
CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-158</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>70</b>	OF <b>93</b>

16-FEB-2024 E-28091AR158.plg  
wsppw14-pw-svc 19:19  
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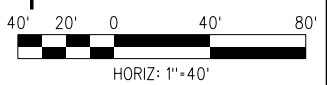
### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



SEE DWG R-1-158  
MATCH LINE R TRACK 1244+50.00

MATCH LINE R TRACK 1255+50.00  
SEE DWG R-1-160



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

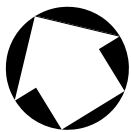
**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1255+50 TO STA 1266+50</b>	
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>R-1-159</b>	
SCALE <b>HOR: 1"=40'</b>	
SHEET NO. <b>71</b>	OF <b>93</b>

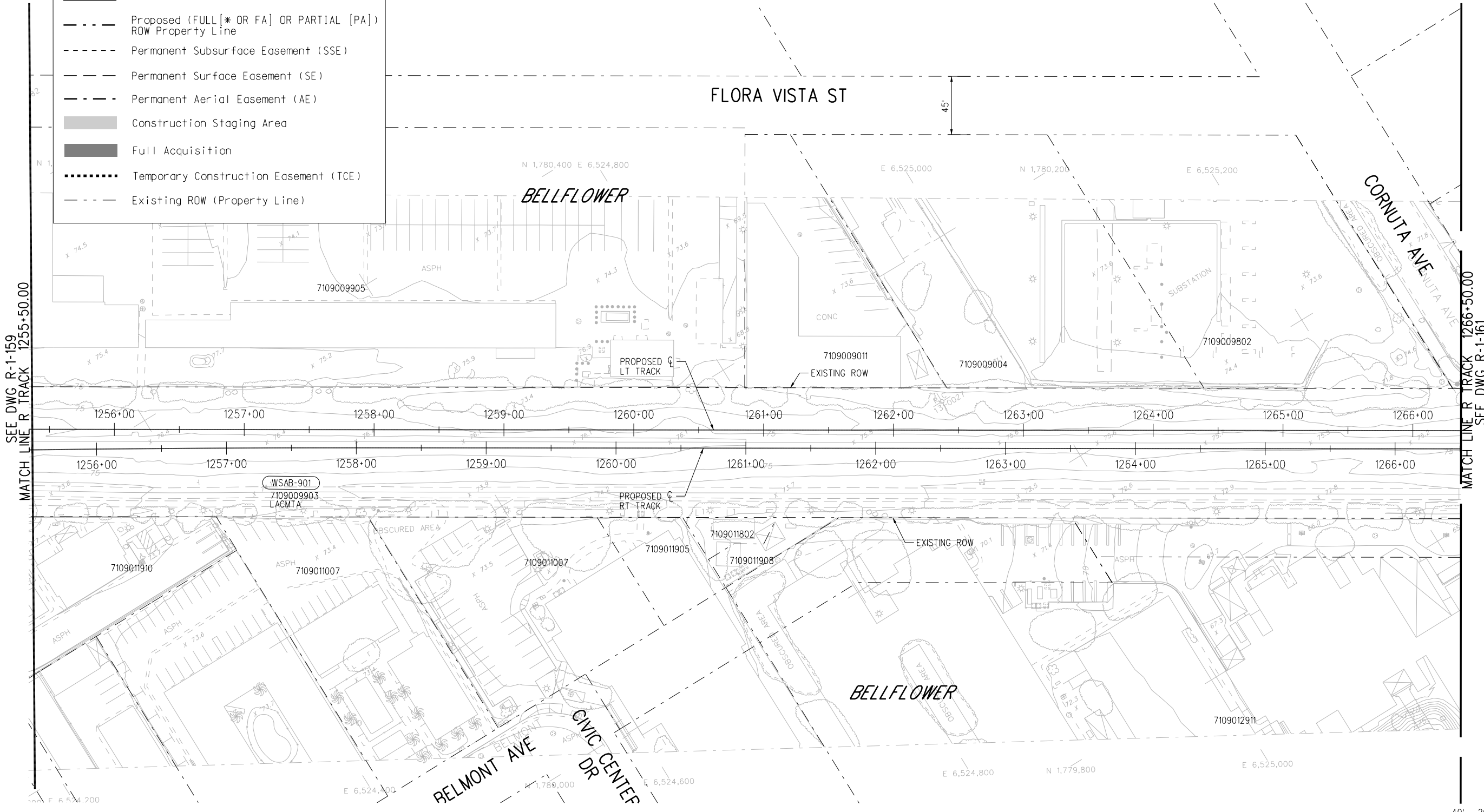
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wsppw14-pw-svc 19:16  
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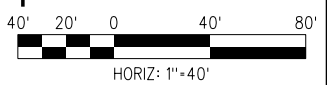
**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL[\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



SEE DWG R-1-159  
MATCH LINE R TRACK 1255+50.00

MATCH LINE R TRACK 1266+50.00  
SEE DWG R-1-161



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

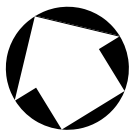
SUBMITTED	_____
APPROVED	_____

**NOT FOR CONSTRUCTION**

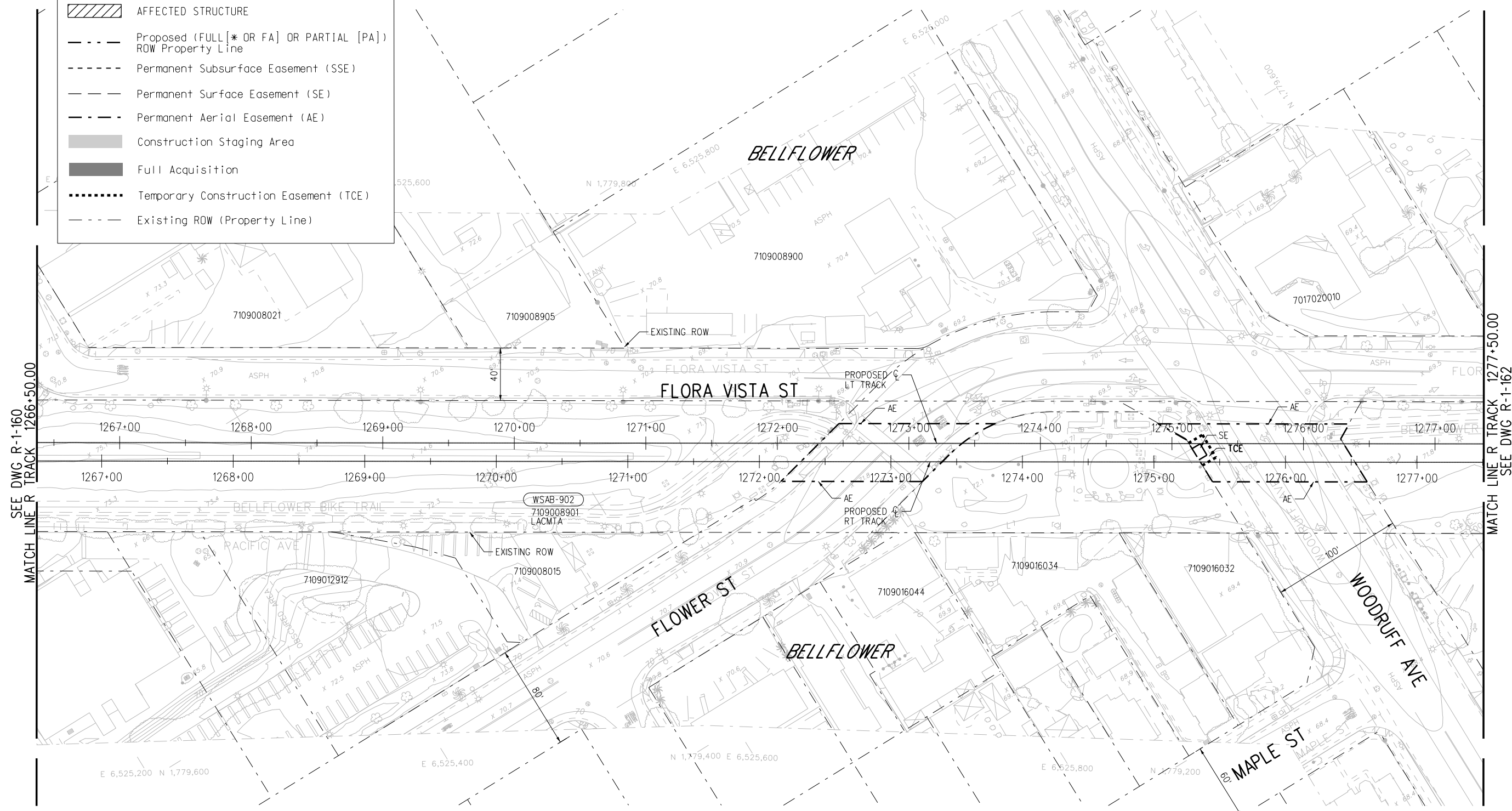
**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 1266+50 TO STA 1277+50**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-160</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>72</b>	OF <b>93</b>

16-FEB-2024 E-28091AR160.plg  
wsppw14-pw-svc 19:15  
Plot Driver=MTA-half.pen Pentable=bw.plt

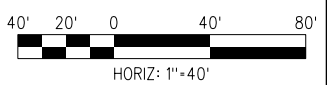


RIGHT-OF-WAY LEGEND	
	AFFECTED STRUCTURE
	Proposed (FULL[* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



SEE DWG R-1-160 TRACK 1266+50.00  
MATCH LINE R

MATCH LINE R TRACK 1277+50.00  
SEE DWG R-1-162



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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.						
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

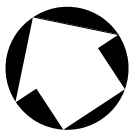
APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 1277+50 TO STA 1287+50**

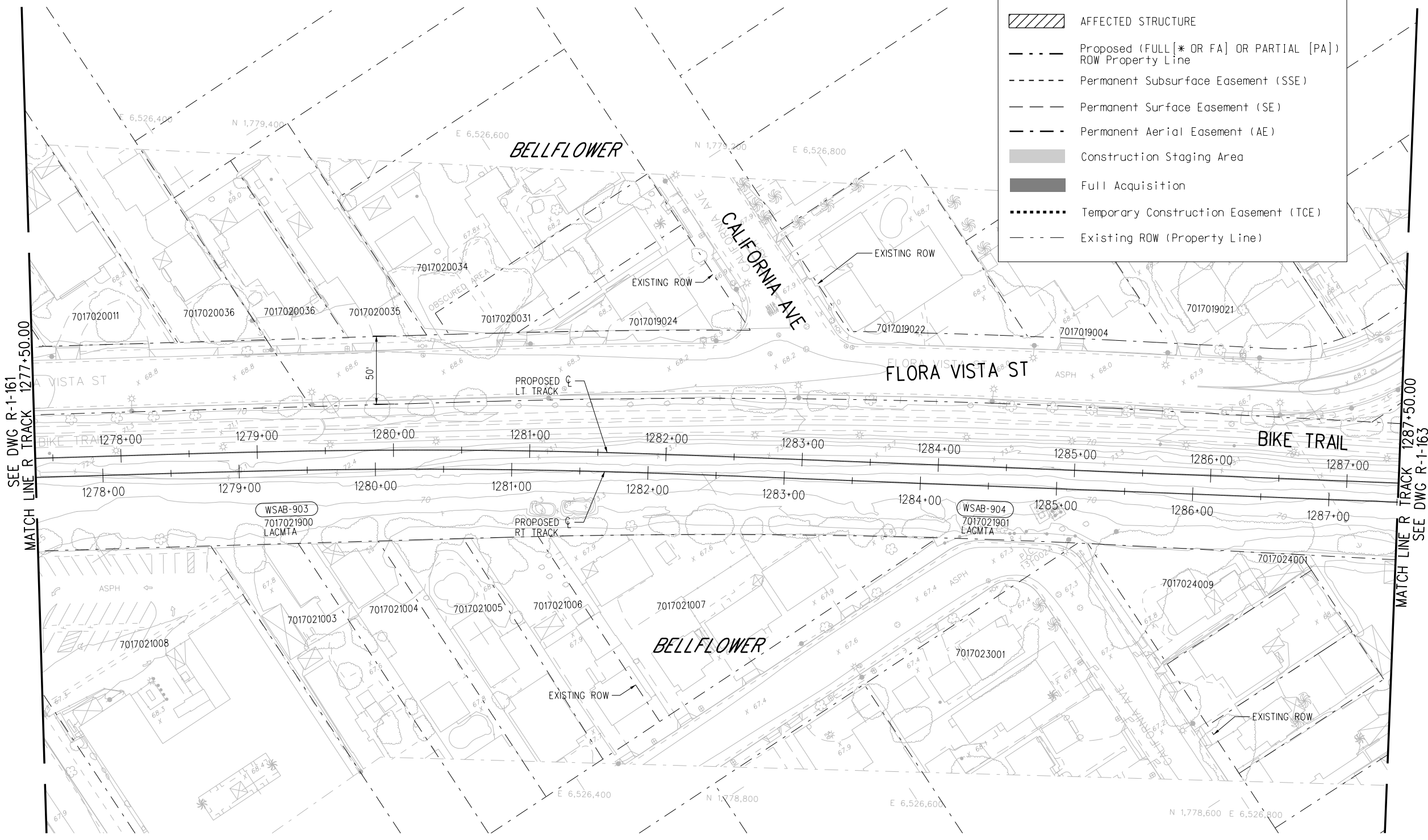
CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-161</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>73</b>	OF <b>93</b>

16-FEB-2024 E-28091AR161.plg  
wspdw14-pw-svc 19:15  
Plot Driver=MTA-half.pen Pentable=bw.plt



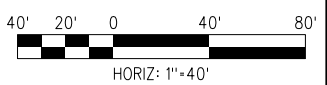
### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



SEE DWG R-1-161  
MATCH LINE R TRACK 1277+50.00

MATCH LINE R TRACK 1287+50.00  
SEE DWG R-1-163



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

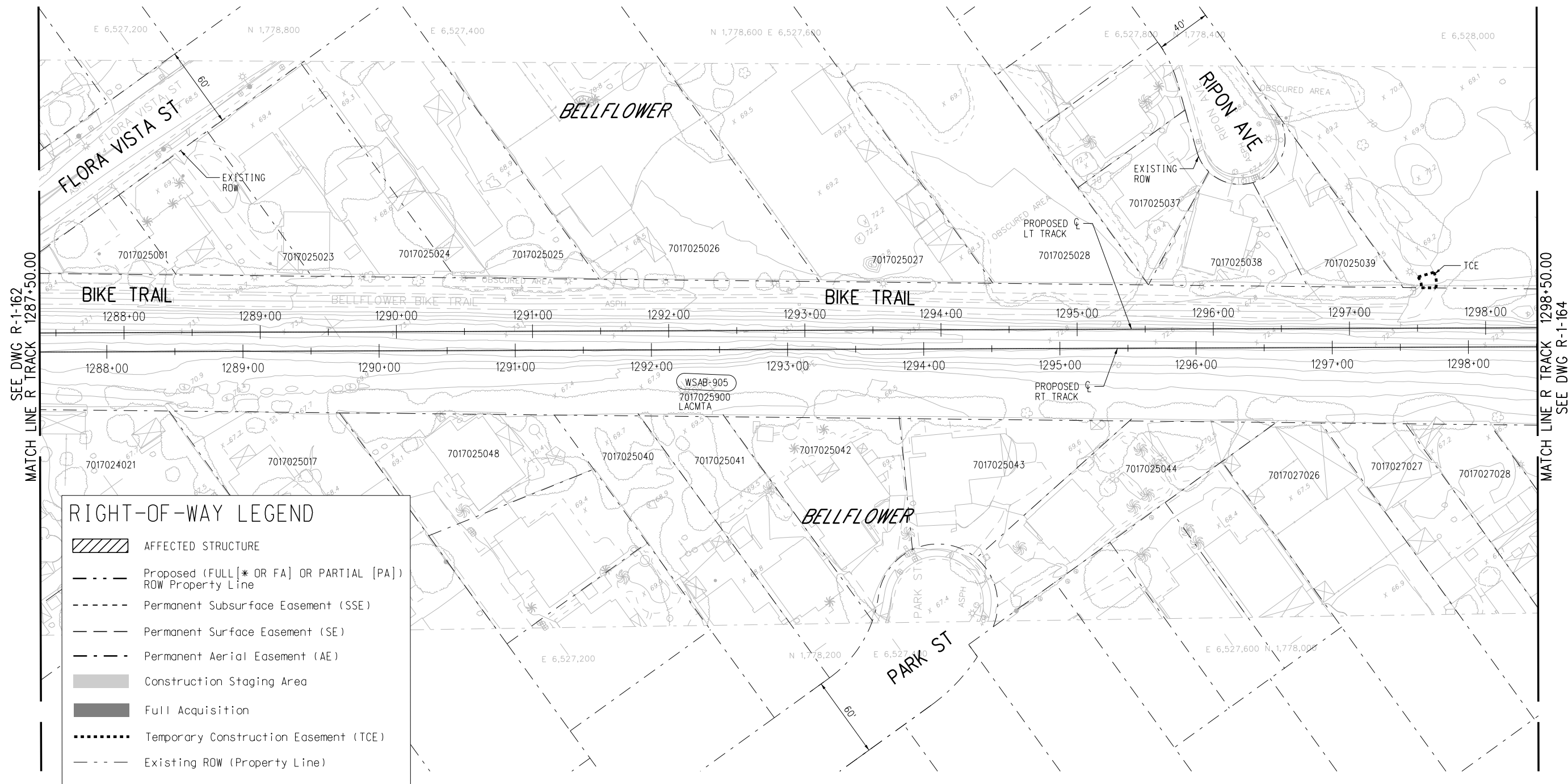
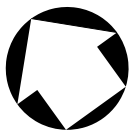
**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1287+50 TO STA 1298+50</b>	
CONTRACT NO <b>AE5999300</b>	REV
DRAWING NO <b>R-1-162</b>	
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>74</b>	OF <b>93</b>

16-FEB-2024 E-28091AR162.plg  
wspw14-pw-svc 19:17  
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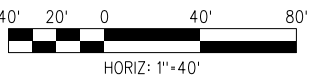




SEE DWG R-1-162  
MATCH LINE R TRACK 1287+50.00

MATCH LINE R TRACK 1298+50.00  
SEE DWG R-1-164

	AFFECTED STRUCTURE
	Proposed (FULL[* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

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REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

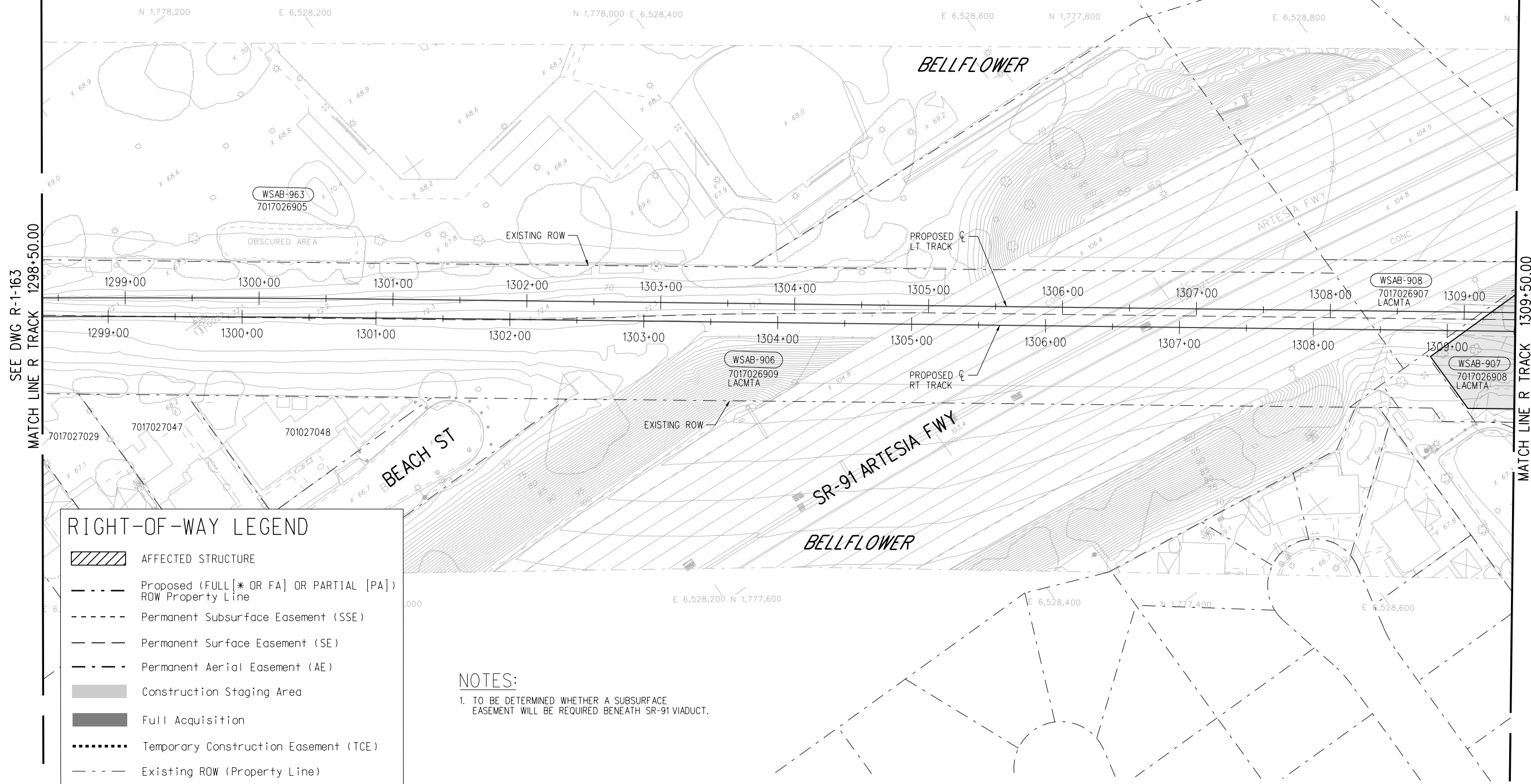
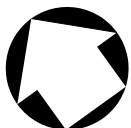
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1298+50 TO STA 1309+50</b>	
CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>R-1-163</b>	SCALE <b>HOR: 1"=40'</b>
SHEET NO. <b>75</b>	OF <b>93</b>

16-FEB-2024 E-28091AR163.plg

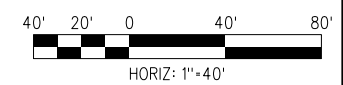


SEE DWG R-1-163  
MATCH LINE R TRACK 1298+50.00

MATCH LINE R TRACK 1309+50.00  
SEE DWG R-1-165

RIGHT-OF-WAY LEGEND	
	AFFECTED STRUCTURE
	Proposed (FULL [* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)

**NOTES:**  
1. TO BE DETERMINED WHETHER A SUBSURFACE EASEMENT WILL BE REQUIRED BENEATH SR-91 VIADUCT.



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

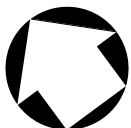
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

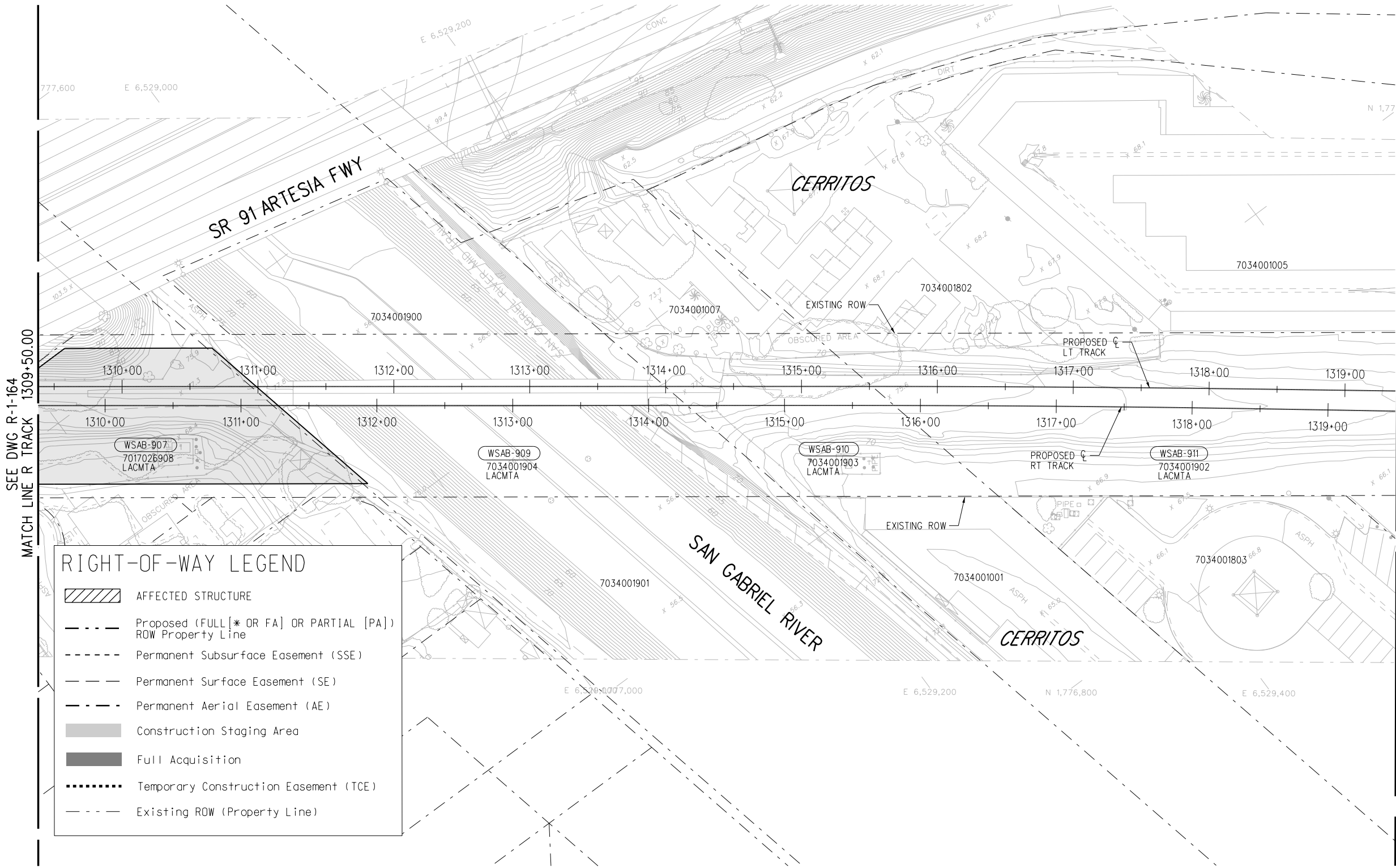
<b>WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN STA 1309+50 TO STA 1319+50</b>	
CONTRACT NO <b>AE5999300</b>	REV
DRAWING NO <b>R-1-164</b>	SCALE <b>HOR: 1"=40'</b>
SHEET NO <b>76</b>	OF <b>93</b>

16-FEB-2024 E-28091AR164.plg  
wsppw14-pw-svc 19:17  
Plot Driver=MTA-half.pen Pentable=bw.plt



**NOTES:**

- 1. TO BE DETERMINED WHETHER AN AERIAL EASEMENT WILL BE REQUIRED OVER SAN GABRIEL RIVER.

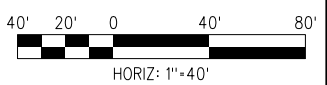


SEE DWG R-1-164  
MATCH LINE R TRACK 1309+50.00

MATCH LINE R TRACK 1319+50.00  
SEE DWG R-1-166

**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

**Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED: \_\_\_\_\_

APPROVED: \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 1319+50 TO STA 1330+50**

CONTRACT NO	AE5999300
DRAWING NO	R-1-165
SCALE	HOR: 1"=40'
SHEET NO	77 OF 93

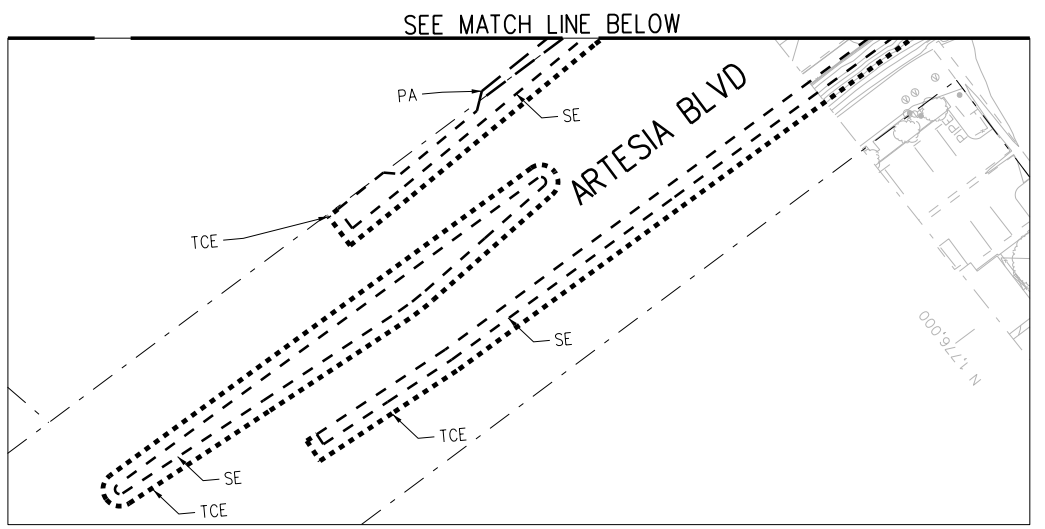
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**NOT FOR CONSTRUCTION**

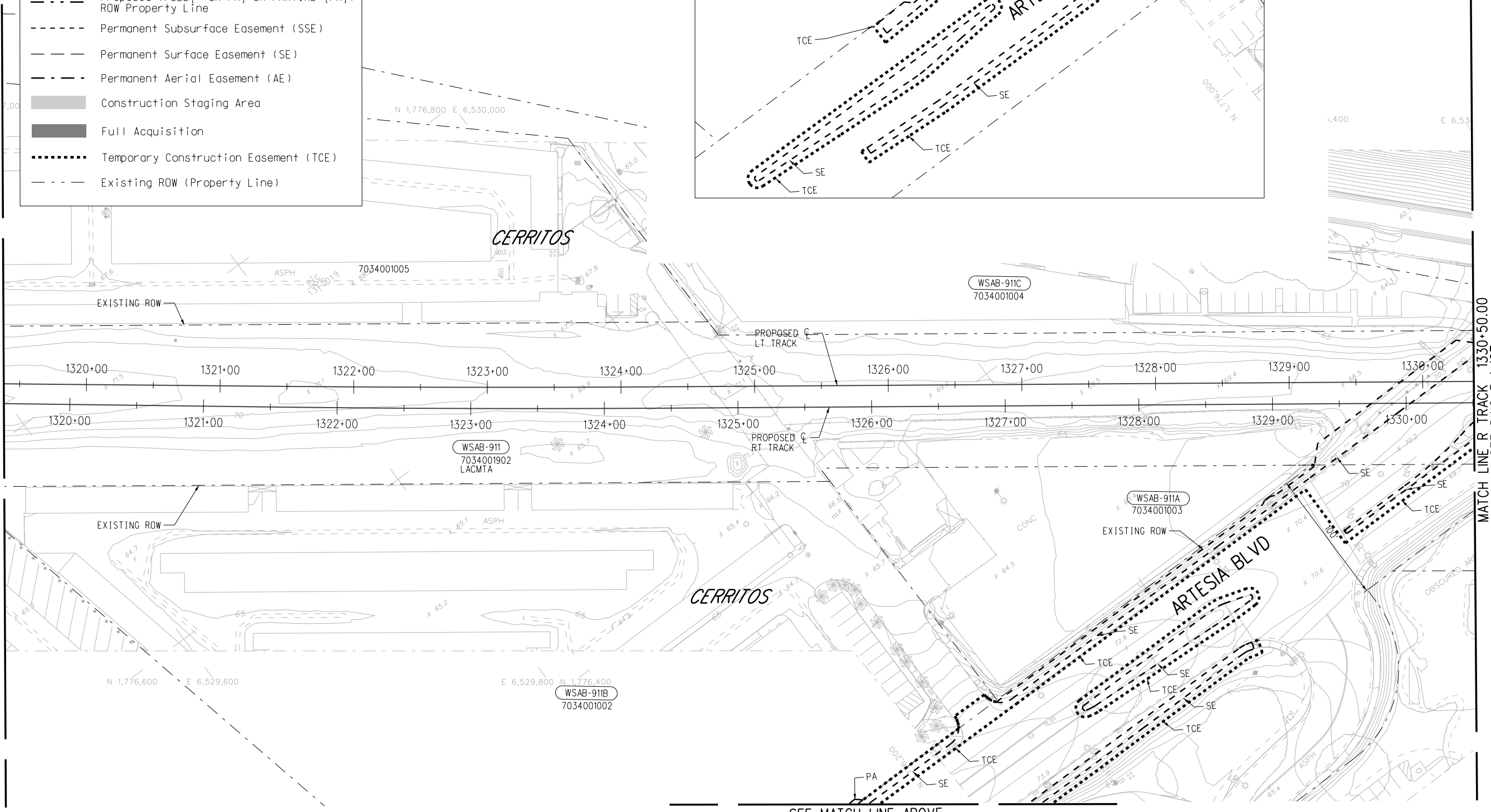


**RIGHT-OF-WAY LEGEND**

	AFFECTED STRUCTURE
	Proposed (FULL [* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)

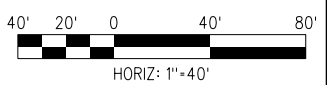


SEE DWG R-1-165  
MATCH LINE R TRACK 1319+50.00



MATCH LINE R TRACK 1330+50.00  
SEE DWG R-1-167

SEE MATCH LINE ABOVE



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED: \_\_\_\_\_

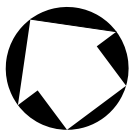
APPROVED: \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN**

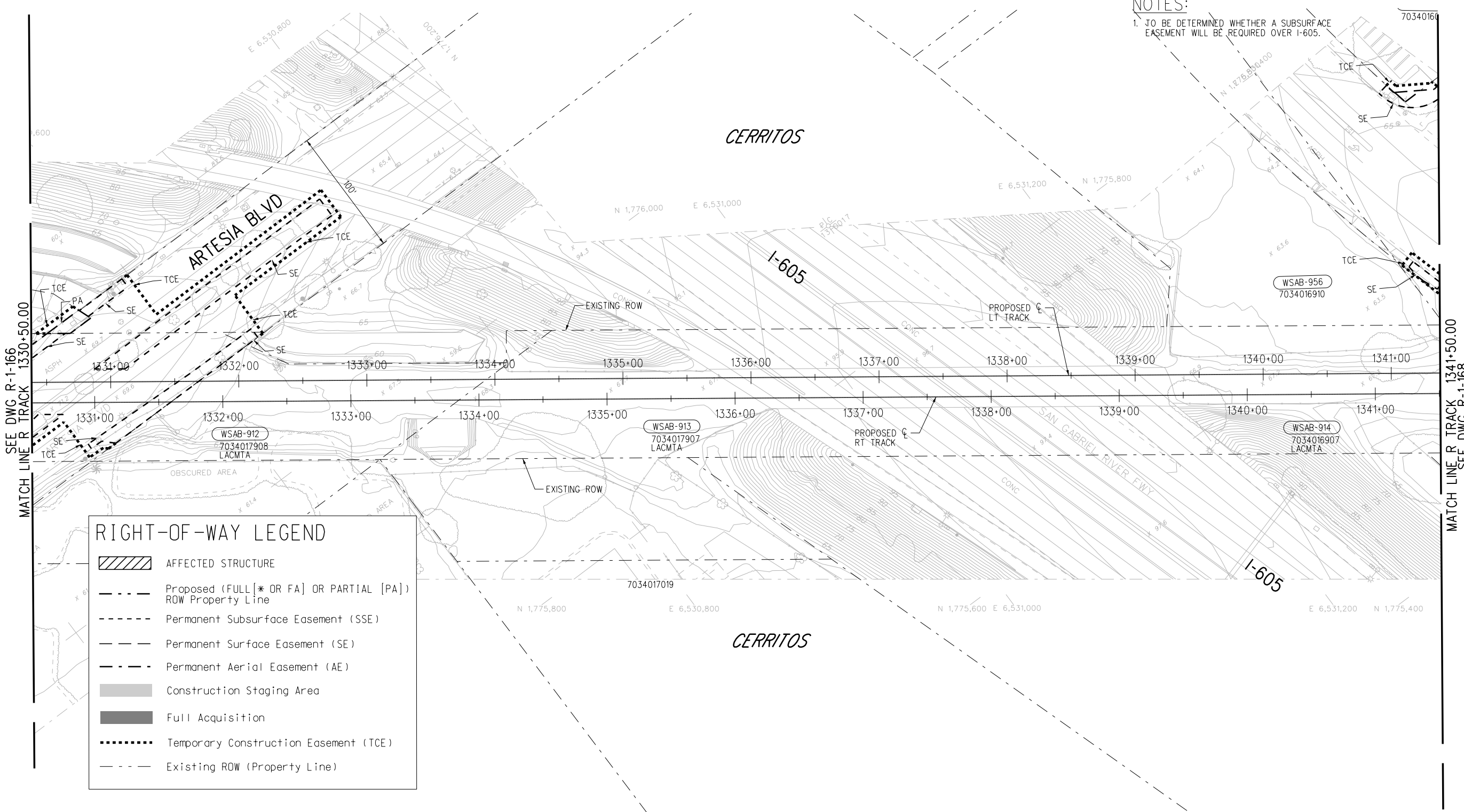
STA 1330+50 TO STA 1341+50

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-166</b>	REV
SCALE HOR: 1"=40'	
SHEET NO 78	OF 93

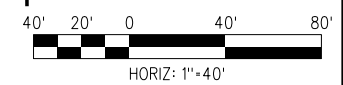
16-FEB-2024 E-28091AR166.plg



NOTES:  
 1. TO BE DETERMINED WHETHER A SUBSURFACE EASEMENT WILL BE REQUIRED OVER I-605.



RIGHT-OF-WAY LEGEND	
	AFFECTED STRUCTURE
	Proposed (FULL [* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 1341+50 TO STA 1352+50**

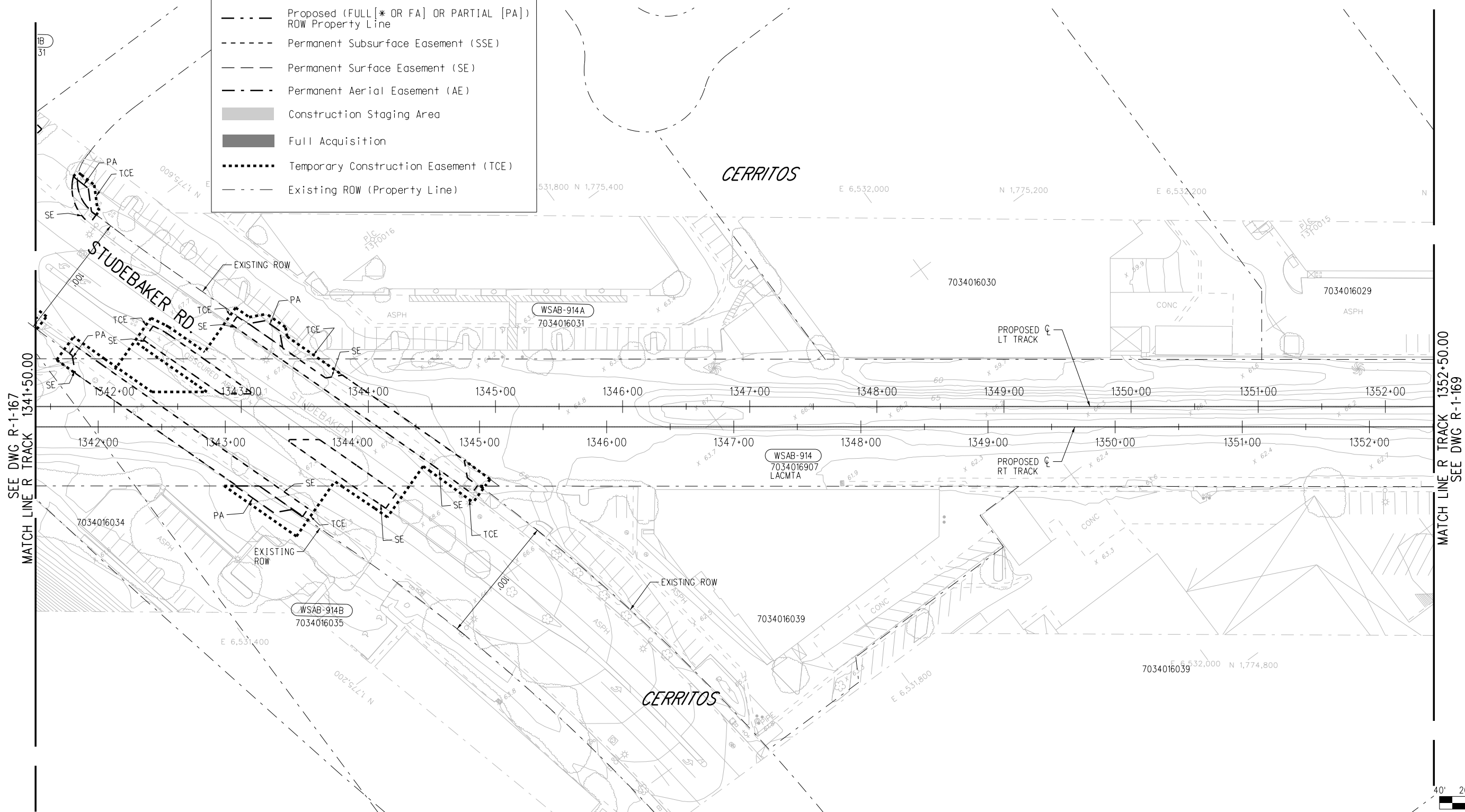
CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-167</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>79</b>	OF <b>93</b>

16-FEB-2024 E-28091AR167.plg





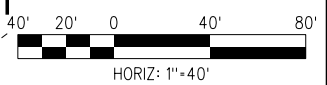
RIGHT-OF-WAY LEGEND	
	AFFECTED STRUCTURE
	Proposed (FULL [* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



16-FEB-2024 E-28091AR168.plt  
wspw14-pw-svc 19:17

MATCH LINE R TRACK 1352+50.00  
SEE DWG R-1-169

MATCH LINE R TRACK 1341+50.00  
SEE DWG R-1-167



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

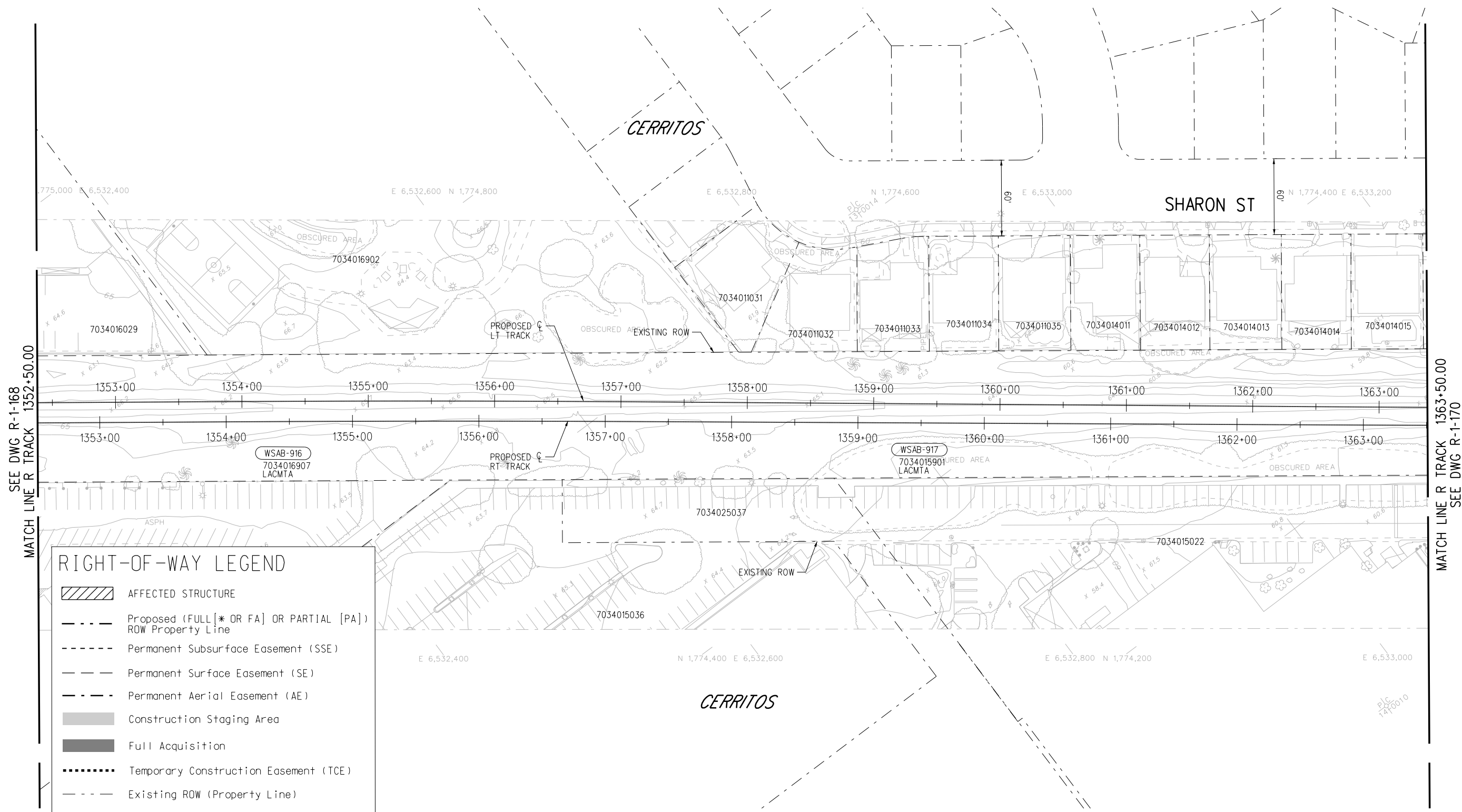
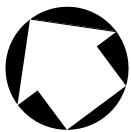
**WEST SANTA ANA BRANCH LRT**

**RIGHT- OF- WAY**

**LOCALLY PREFERRED ALTERNATIVE PLAN**

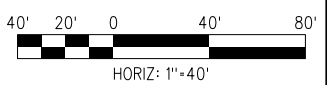
**STA 1352+50 TO STA 1363+50**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-168</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>80</b>	OF <b>93</b>



**RIGHT-OF-WAY LEGEND**

	AFFECTED STRUCTURE
	Proposed (FULL[* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

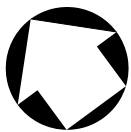
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN**

STA 1363+50 TO STA 1374+50

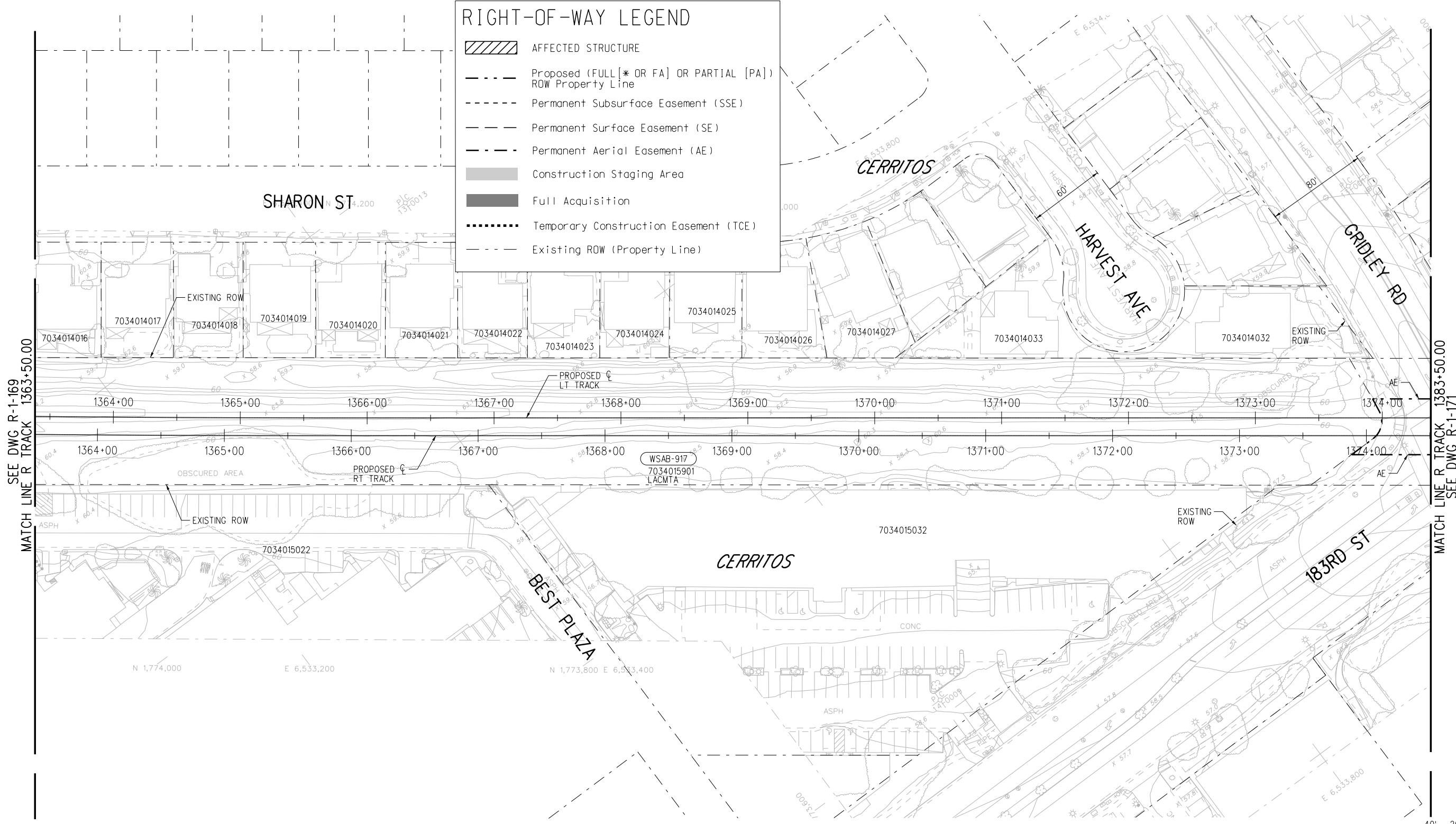
CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-169</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>81</b>	OF <b>93</b>

16-FEB-2024 E-28091AR169.plg



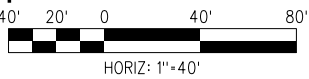
### RIGHT-OF-WAY LEGEND

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



SEE DWG R-1-169  
MATCH LINE R TRACK 1363+50.00

MATCH LINE R TRACK 1383+50.00  
SEE DWG R-1-171



16-FEB-2024 E-28091AR170.plg  
wsppw14-pw-svc 19:18

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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
1	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

**LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY**

515 South Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

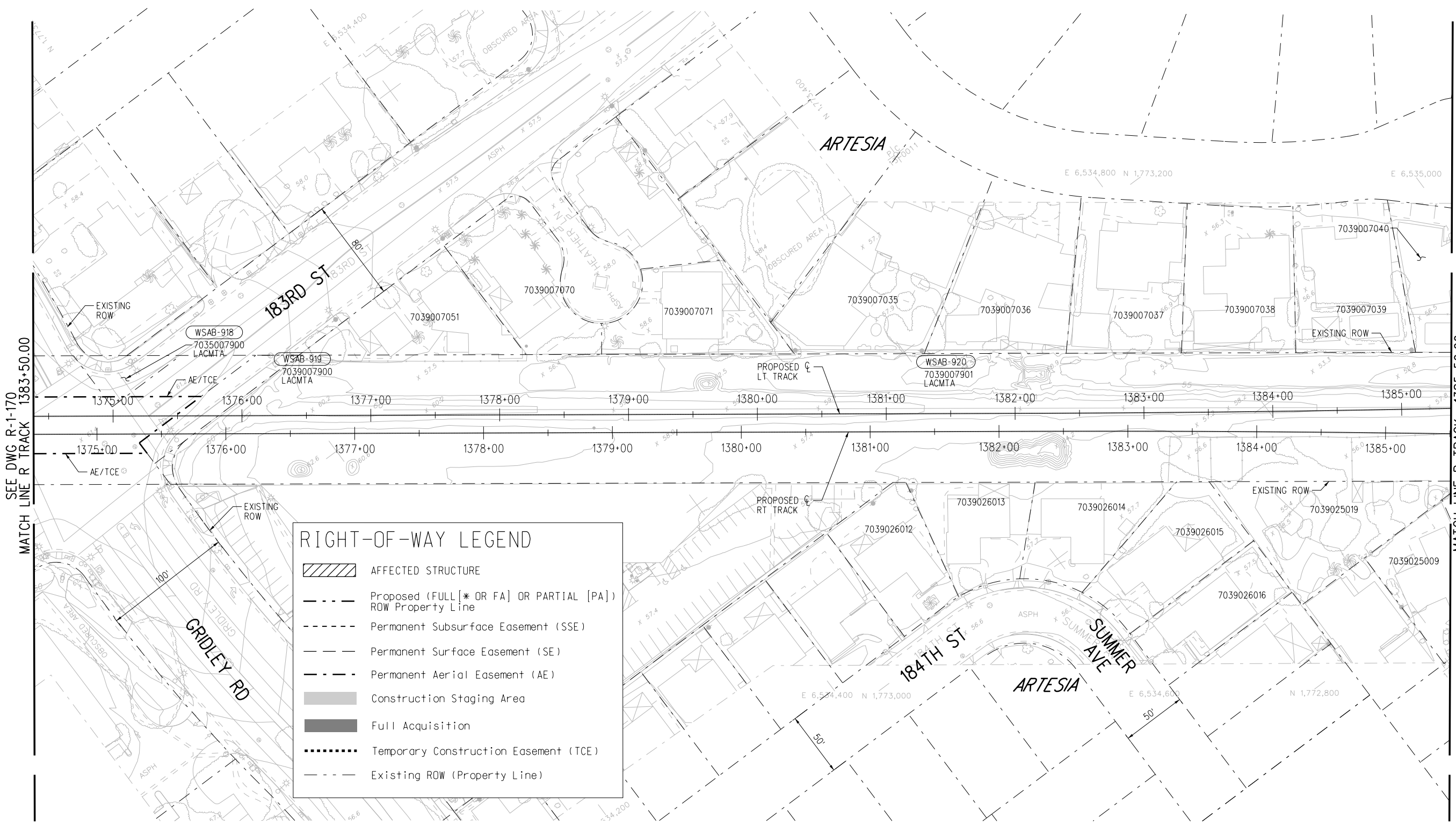
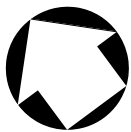
APPROVED \_\_\_\_\_

NOT FOR CONSTRUCTION

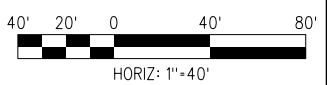
WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 1374+50 TO STA 1385+50

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-170</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>82</b>	OF <b>93</b>





RIGHT-OF-WAY LEGEND	
	AFFECTED STRUCTURE
	Proposed (FULL [* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**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 TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

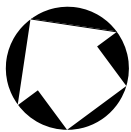
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

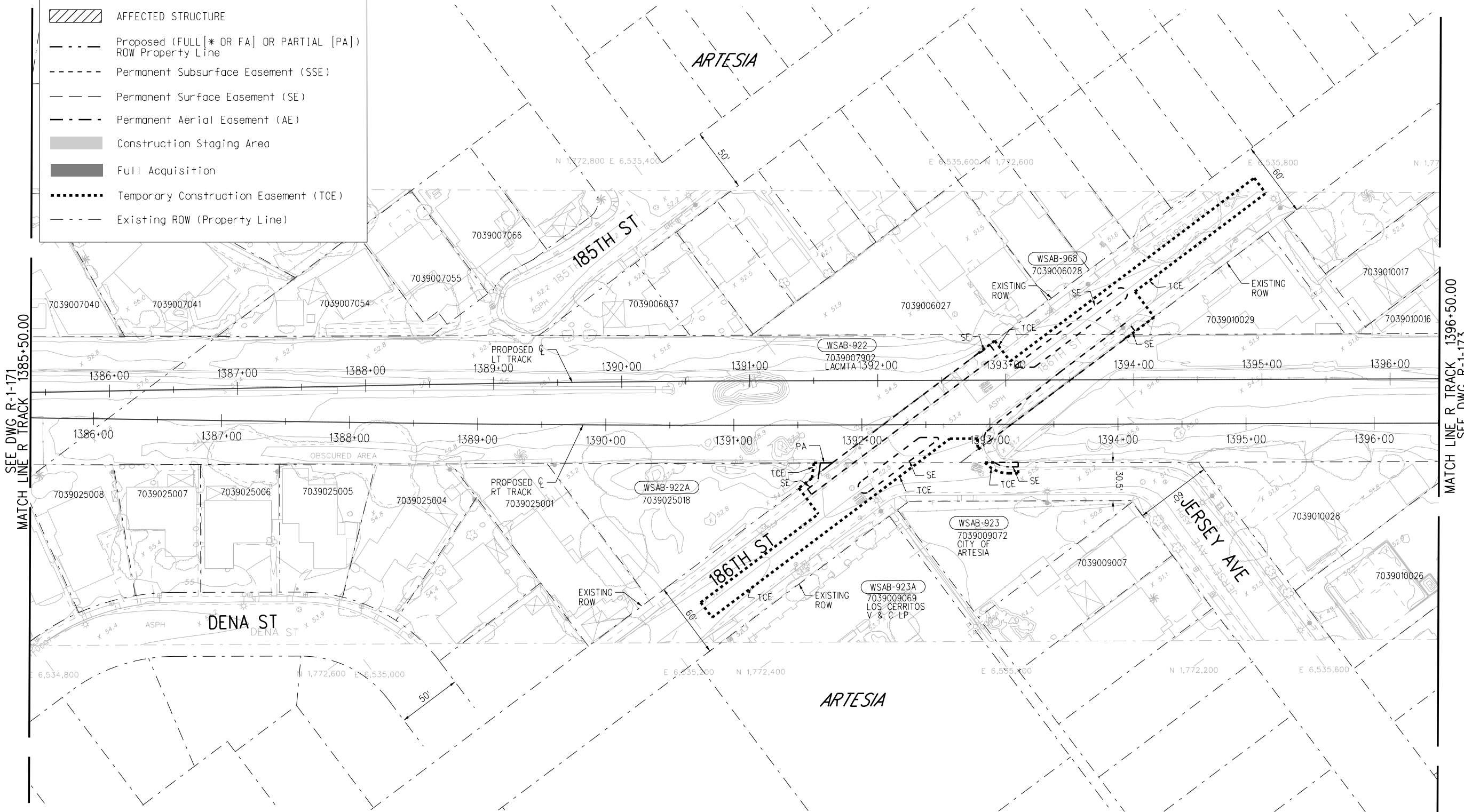
SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH LRT</b>	
<b>RIGHT- OF- WAY</b>	
<b>LOCALLY PREFERRED ALTERNATIVE PLAN</b>	
<b>STA 1385+50 TO STA 1396+50</b>	
CONTRACT NO <b>AE5999300</b>	REV
DRAWING NO <b>R-1-171</b>	
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>83</b>	OF <b>93</b>

16-FEB-2024 E-28091AR171.plt

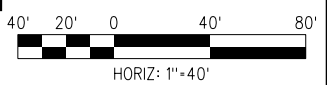


RIGHT-OF-WAY LEGEND	
	AFFECTED STRUCTURE
	Proposed (FULL [* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



SEE DWG R-1-171  
MATCH LINE R TRACK 1385+50.00

MATCH LINE R TRACK 1396+50.00  
SEE DWG R-1-173




**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**


16-FEB-2024 E-28091AR172.plg  
wspdw14-pw-svc 19:17

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.						
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

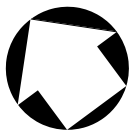


515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

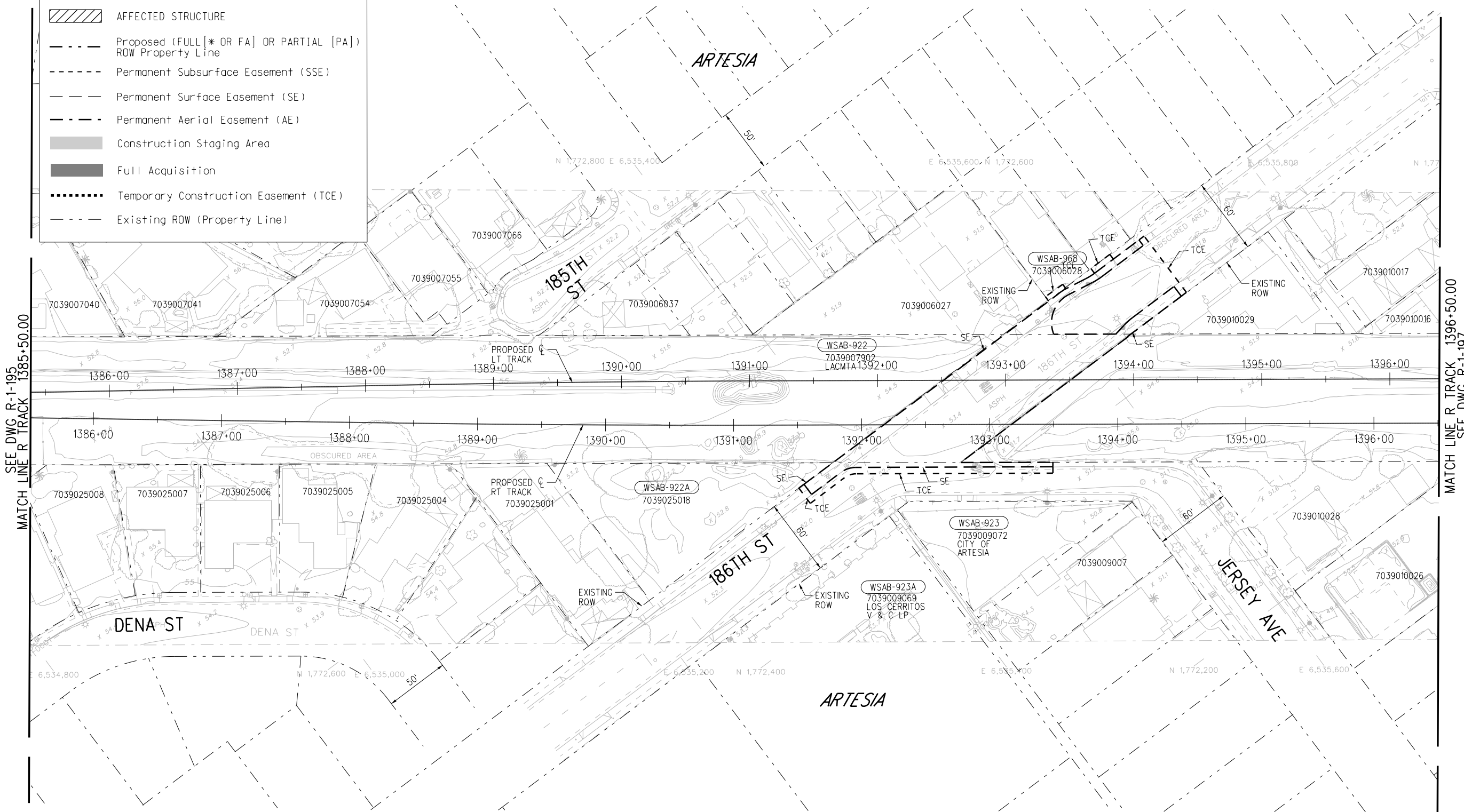
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

<b>WEST SANTA ANA BRANCH LRT RIGHT- OF- WAY LOCALLY PREFERRED ALTERNATIVE PLAN</b>	
<b>STA 1396+50 TO STA 1407+50</b>	
CONTRACT NO <b>AE5999300</b>	REV
DRAWING NO <b>R-1-172</b>	
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>84</b>	OF <b>93</b>

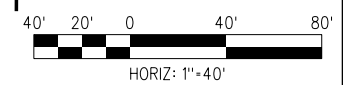


RIGHT-OF-WAY LEGEND	
	AFFECTED STRUCTURE
	Proposed (FULL [* OR FA] OR PARTIAL [PA]) ROW Property Line
	Permanent Subsurface Easement (SSE)
	Permanent Surface Easement (SE)
	Permanent Aerial Easement (AE)
	Construction Staging Area
	Full Acquisition
	Temporary Construction Easement (TCE)
	Existing ROW (Property Line)



SEE DWG R-1-195  
MATCH LINE R TRACK 1385+50.00


MATCH LINE R TRACK 1396+50.00  
SEE DWG R-1-197




**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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
1	4/14/2023					
						FINAL CONCEPTUAL ROW DRAWINGS
						DESCRIPTION

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**



515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

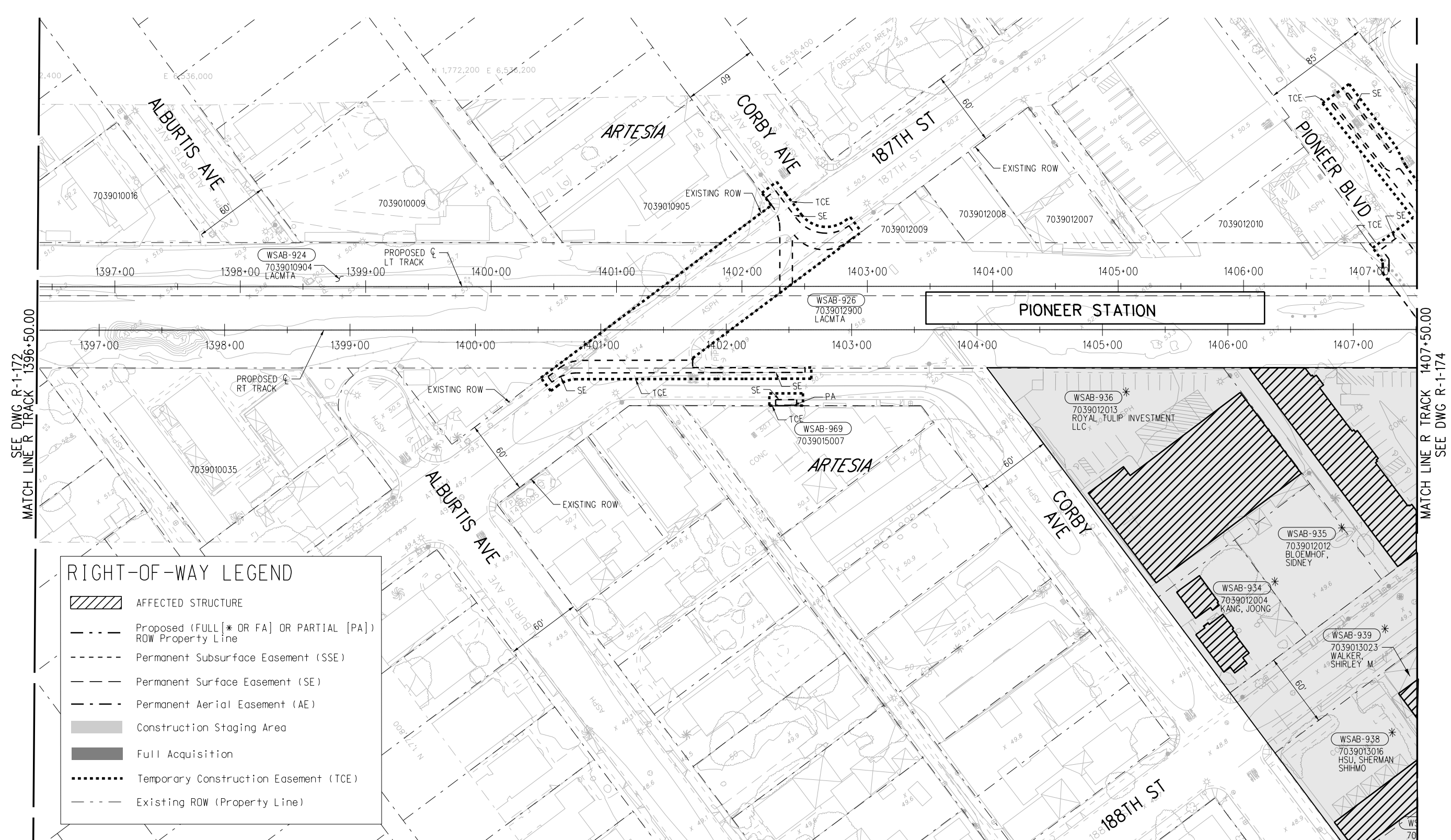
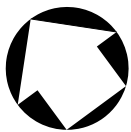
**NOT FOR CONSTRUCTION**

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN**

**STA 1396+50 TO STA 1407+50**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>R-1-172A</b>	REV
SCALE <b>HOR: 1"=40'</b>	
SHEET NO <b>85</b>	OF <b>93</b>

16-FEB-2024 E-28091AR172A.plg

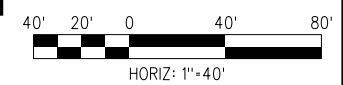


SEE DWG R-1-172  
MATCH LINE R TRACK 1396+50.00

MATCH LINE R TRACK 1407+50.00  
SEE DWG R-1-174

**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

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1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
						DESCRIPTION

DESIGNED BY	SJ
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	4/14/2023

**M Metro**  
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

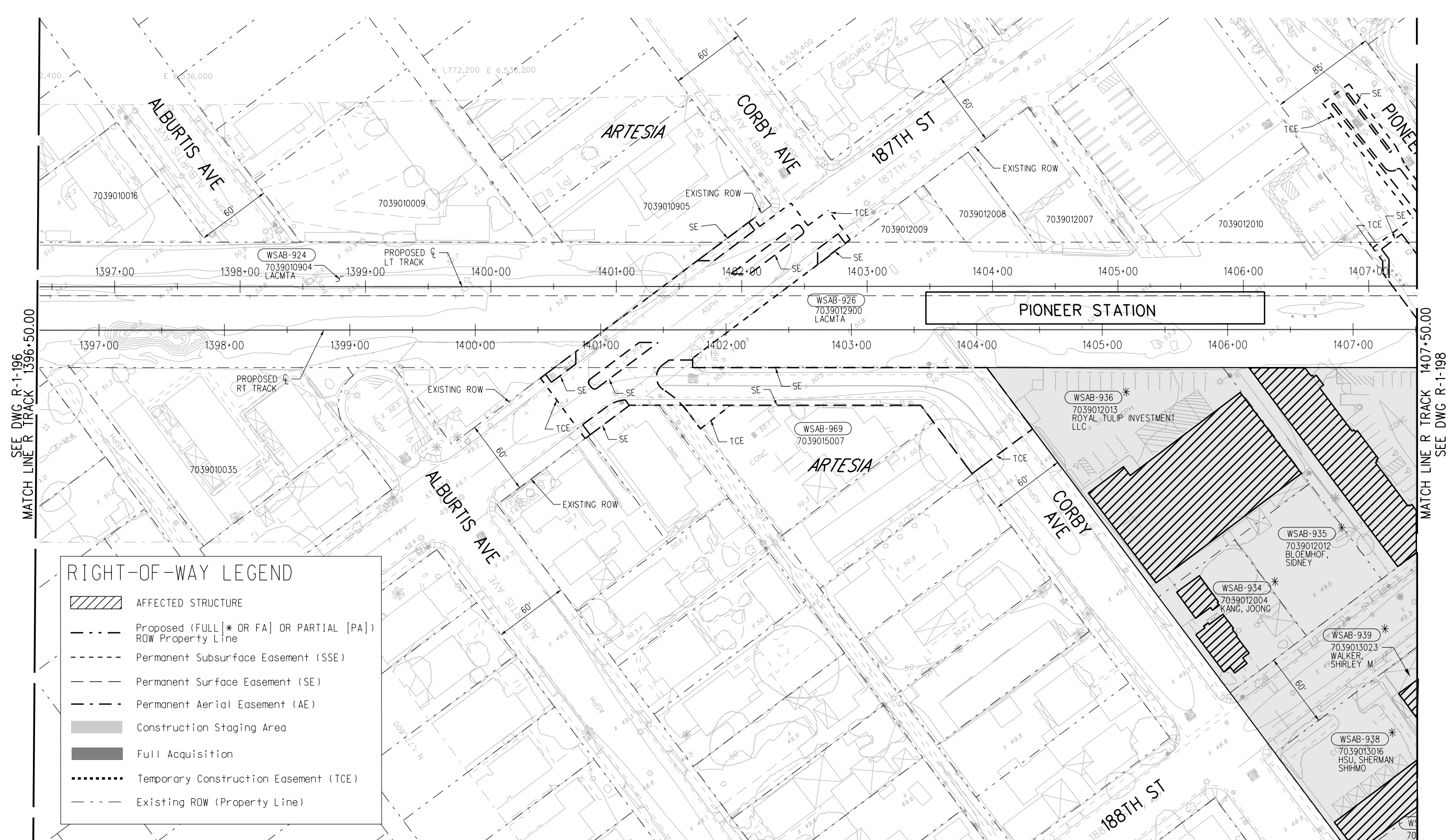
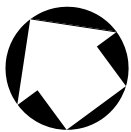
SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 1396+50 TO STA 1407+50**

CONTRACT NO	AE5999300
DRAWING NO	R-1-173
SCALE	HOR: 1"=40'
SHEET NO	86 OF 93

16-FEB-2024 E-28091AR173.plg  
wsppw14-pw-svc 19:20  
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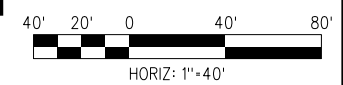


SEE DWG R-1-196  
MATCH LINE R TRACK 1396+50.00

MATCH LINE R TRACK 1407+50.00  
SEE DWG R-1-198

**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



16-FEB-2024 E-28091AR173A.plg  
wsppw14-pw-svc 19:19

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

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	SJ					
DRAWN BY	SJ					
CHECKED BY	CL					
IN CHARGE	RL					
DATE	4/14/2023					
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
1	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS
						DESCRIPTION

DESIGNED BY	SJ	
DRAWN BY	SJ	
CHECKED BY	CL	
IN CHARGE	RL	
DATE	4/14/2023	

**M Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

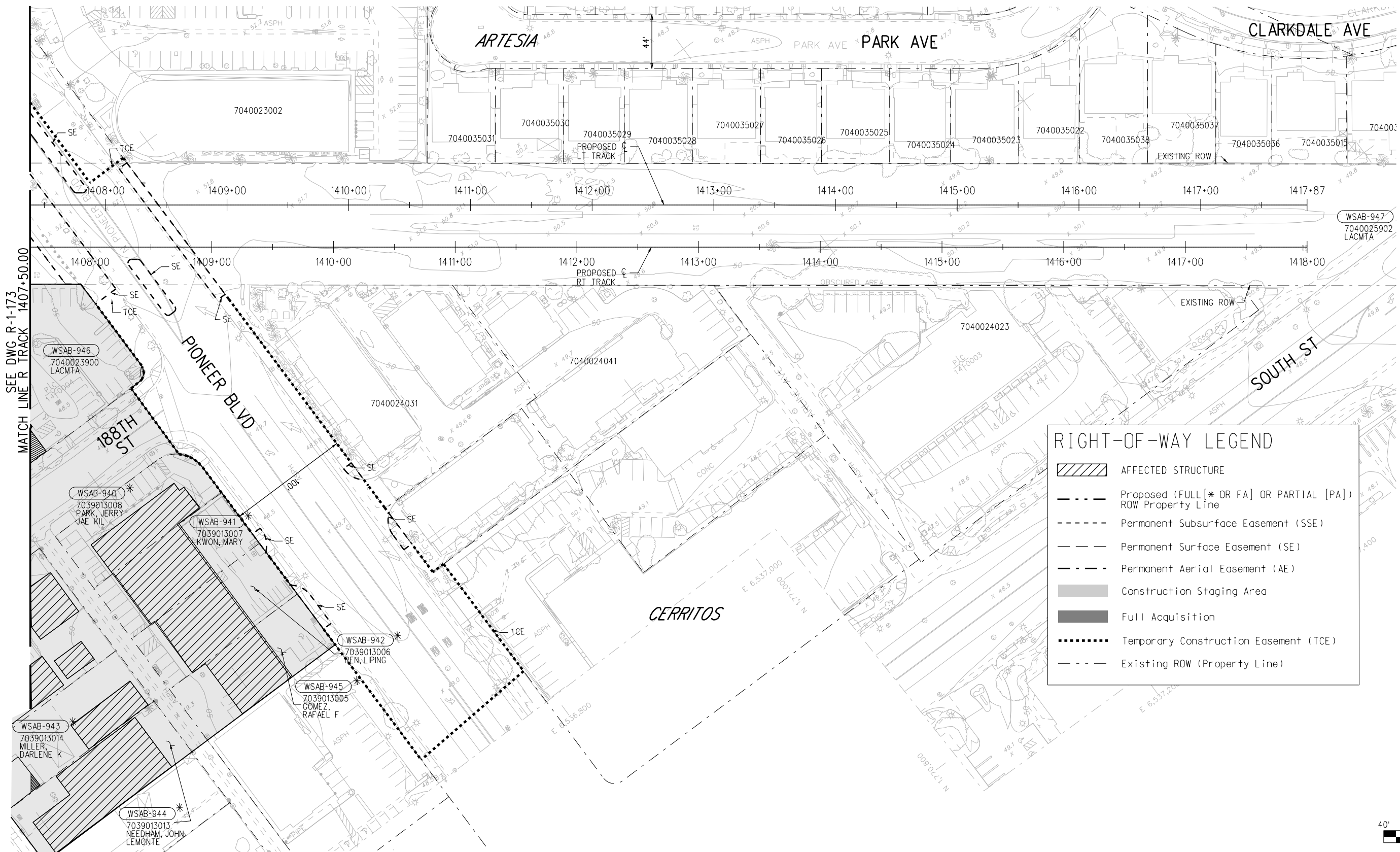
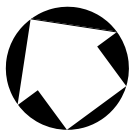
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**NOT FOR CONSTRUCTION**

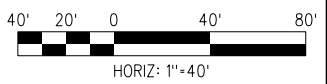
WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
STA 1396+50 TO STA 1407+50

CONTRACT NO. AE5999300  
DRAWING NO. R-1-173A  
SCALE: HOR: 1"=40'  
SHEET NO. 87 OF 93



**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



**NOT FOR CONSTRUCTION**

16-FEB-2024 E-28091AR174.plg  
wsppw14-pw-svc 19:20

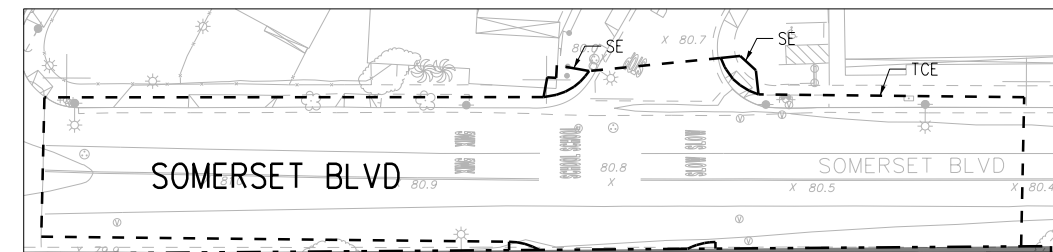
**REVISED FINAL CONCEPTUAL ROW DRAWINGS- 5/1/2023**

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 SJ
2	5/1/2023	DRAWN BY SJ
REV	DATE	CHECKED BY CL
BY	APP	IN CHARGE RL
REG NO.	EXPIRES	DATE 5/1/2023
SEAL HOLDER	DESCRIPTION	
	REV. FINAL CONCEPTUAL ROW DRAWINGS	

<p><b>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</b></p> <p>515 South Figueroa Street Suite 1400 Los Angeles, CA 90071</p>	SUBMITTED _____ APPROVED _____
--	-----------------------------------

<p><b>WEST SANTA ANA BRANCH LRT</b></p> <p><b>RIGHT- OF- WAY</b></p> <p><b>LOCALLY PREFERRED ALTERNATIVE PLAN</b></p> <p><b>STA 1407+50 TO STA 1418+00</b></p>	CONTRACT NO. <b>AE5999300</b>
	DRAWING NO. <b>R-1-174</b>
	SCALE <b>HOR: 1"=40'</b>
	SHEET NO. <b>88 OF 93</b>

SEE MATCH LINE TO THE RIGHT

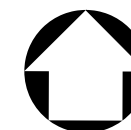


SEE MATCH LINE TO THE LEFT



**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



FINAL CONCEPTUAL ROW DRAWINGS- 3/3/2023

MATCH LINE SEE R-1-176

**NOT FOR CONSTRUCTION**

16-FEB-2024 E-28091AR175.plg

wsppw14-pw-svc 19:16

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	4/14/2023					FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

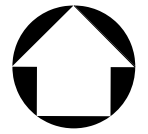
**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

**WEST SANTA ANA BRANCH LRT  
RIGHT- OF- WAY  
LOCALLY PREFERRED ALTERNATIVE  
PLAN  
BELLFLOWER YARD**

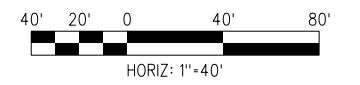
CONTRACT NO. <b>AE5999300</b>
DRAWING NO. <b>R-1-175</b>
SCALE <b>HOR: 1"=40'</b>
SHEET NO. <b>89 OF 93</b>

MATCH LINE SEE R-1-175



**RIGHT-OF-WAY LEGEND**

- AFFECTED STRUCTURE
- Proposed (FULL [\* OR FA] OR PARTIAL [PA]) ROW Property Line
- Permanent Subsurface Easement (SSE)
- Permanent Surface Easement (SE)
- Permanent Aerial Easement (AE)
- Construction Staging Area
- Full Acquisition
- Temporary Construction Easement (TCE)
- Existing ROW (Property Line)



**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

PLAN

**NOT FOR CONSTRUCTION**

16-FEB-2024 E-28091AR176.plg

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY SJ
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 4/14/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

**wsp** 515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH LRT</b>		CONTRACT NO. <b>AE5999300</b>
<b>RIGHT- OF- WAY</b>		DRAWING NO. <b>R-1-176</b>
<b>LOCALLY PREFERRED ALTERNATIVE</b>		SCALE <b>HOR: 1"=40'</b>
<b>PLAN</b>		SHEET NO.
<b>BELLFLOWER YARD</b>		<b>90 OF 93</b>



16-FEB-2024 E-28091AR177.plg  
 wsdpw14-pw-svc 19:16

Parcel	Impact (square feet)			
	Acquisition	Aerial Easement	Surface Easement	Temporary Construction Easement
WSAB-593F	83	372		
WSAB-595	16	457		
WSAB-596		456		
WSAB-597	100	790		
WSAB-598		386		
WSAB-599		398		
WSAB-600		555		
WSAB-601	4,399			
WSAB-602	13,167			
WSAB-605	13,144			
WSAB-606	4,376			
WSAB-607	4,373			
WSAB-608	8,700			
WSAB-609	2,731			
WSAB-610	3,377			
WSAB-612	3,233			
WSAB-613	366			
WSAB-614	3,300			
WSAB-615		944		
WSAB-916		149		
WSAB-617	59			
WSAB-618	18			
WSAB-624B	2,151			6,111
WSAB-625	928			372
WSAB-625A	992			156
WSAB-625B	2,576			358
WSAB-625C	5,525			1,089
WSAB-625D	2,948			1,669
WSAB-625E	5,699			1,401
WSAB-625F	1,544			929
WSAB-625G	98			661
WSAB-628	3,581			
WSAB-631	222			482
WSAB-632	514			803
WSAB-633				65
WSAB-635A	61			319
WSAB-958				155
WSAB-637A	5,312			
WSAB-637B	28			838
WSAB-642A	54			389
WSAB-643	223			159
WSAB-643A	15,829			
WSAB-644	4,391		4,819	
WSAB-644A	974			1,414
WSAB-948	3			
WSAB-645	80			
WSAB-645A	8,015			
WSAB-646A	336			274
WSAB-646B	8,088			
WSAB-646C	8,010			
WSAB-647	737			768
WSAB-949	29			
WSAB-648A	7,697			
WSAB-959				55

Parcel	Impact (square feet)			
	Acquisition	Aerial Easement	Surface Easement	Temporary Construction Easement
WSAB-960				129
WSAB-651	1,334			1,719
WSAB-653	182			663
WSAB-654				38
WSAB-655				22
WSAB-663	22			181
WSAB-664	234			209
WSAB-665	491			204
WSAB-666	508			202
WSAB-667	1,464			810
WSAB-668	1,562			968
WSAB-950	686			660
WSAB-951	82			472
WSAB-961				950
WSAB-962				221
WSAB-671		1,782		
WSAB-675	19			208
WSAB-675A	231			407
WSAB-952	95			307
WSAB-964				72
WSAB-965				78
WSAB-966				37
WSAB-967				37
WSAB-679	401			633
WSAB-681	571		1,163	277
WSAB-683	3,599			1,310
WSAB-684	186			116
WSAB-684A	8			387
WSAB-684B	84			280
WSAB-686	458			406
WSAB-687				2,952
WSAB-687A	21			131
WSAB-687B				2,212
WSAB-690	245			9,525
WSAB-688	29			304
WSAB-691				13
WSAB-692	11,172			
WSAB-693				5,122
WSAB-694				142
WSAB-696				5,975
WSAB-697	247			11,134
WSAB-698	912			7,480
WSAB-699	1,242			31,470
WSAB-699A	278			334
WSAB-699B	35			173
WSAB-700A				402
WSAB-704A	720			312
WSAB-706	3,920			
WSAB-706A	2,460			
WSAB-707	38,344			
WSAB-708	4,345			1,014
WSAB-710	403,345			

REVISED FINAL CONCEPTUAL ROW DRAWINGS- 10/25/2023

NOT FOR CONSTRUCTION

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REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
2	10/25/2023						REV. FINAL CONCEPTUAL ROW DRAWINGS

DESIGNED BY  
SJ  
 DRAWN BY  
SJ  
 CHECKED BY  
CL  
 IN CHARGE  
RL  
 DATE  
10/25/2023



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
 RIGHT- OF- WAY  
 PARCEL IMPACTS DATA TABLE

CONTRACT NO  
AE5999300  
 DRAWING NO  
R-1-177  
 SCALE  
HOR: 1"=40'  
 SHEET NO  
91 OF 93



16-FEB-2024 E-28091AR178.plg  
 wsdpw14-pw-svc 19:16

Parcel	Impact (square feet)			
	Acquisition	Aerial Easement	Surface Easement	Temporary Construction Easement
WSAB-711		213		1,210
WSAB-713	3,321			719
WSAB-717	29,873			
WSAB-718	8,227			
WSAB-719	22,408			
WSAB-721	3,603		2,619	
WSAB-721A	133			141
WSAB-722B				10,598
WSAB-723	34			973
WSAB-723A	413			351
WSAB-723B	53			219
WSAB-725B				98
WSAB-726	957			549
WSAB-727A	3,607			
WSAB-726A	187,392			3,606
WSAB-728	140,742			
WSAB-730	302			208
WSAB-731	1,510			11,377
WSAB-732	802			5,167
WSAB-733	426			7,939
WSAB-735				9,051
WSAB-744	818	1,427		687
WSAB-749	403			57
WSAB-750				84
WSAB-753A	44,954			
WSAB-754	858			
WSAB-756	10,062			
WSAB-756A	49,353			
WSAB-757	16,786			69,983
WSAB-757A				84,164
WSAB-758A				204,383
WSAB-761	906			283
WSAB-762	2,893			1,589
WSAB-762A	3,600			214
WSAB-764	298			3,030
WSAB-766A				676
WSAB-954	126			40
WSAB-769	728			1,706
WSAB-769A	8			170
WSAB-776	184			123
WSAB-777	5,048			214,058
WSAB-778	3,592			
WSAB-779	598			1,076
WSAB-957	99			
WSAB-781	367			431
WSAB-782	2,549			2,882
WSAB-784	22,516			
WSAB-784A	7,501			
WSAB-784B	7,501			
WSAB-785	169			611

Parcel	Impact (square feet)			
	Acquisition	Aerial Easement	Surface Easement	Temporary Construction Easement
WSAB-786	444			509
WSAB-788	1,495			1,252
WSAB-789	105,916			
WSAB-790	41,240			
WSAB-791	317			251
WSAB-793	746			263
WSAB-794A				240
WSAB-795		135		367
WSAB-795A				368
WSAB-796	426	26		282
WSAB-797	427			309
WSAB-798	413			314
WSAB-798A				368
WSAB-799	370			312
WSAB-799A				250
WSAB-800	291			308
WSAB-800A				929
WSAB-801	198			285
WSAB-801A				373
WSAB-802	118			292
WSAB-802A	191			124
WSAB-803	60			299
WSAB-803A	166			
WSAB-804	27			242
WSAB-810	322	160		648
WSAB-814		117		
WSAB-817		115		
WSAB-821		228		
WSAB-824		113		
WSAB-828		224		
WSAB-830		111		
WSAB-831		112		
WSAB-834		111		
WSAB-834A		55		
WSAB-835		55		
WSAB-836		262		
WSAB-837		278		
WSAB-844	103,368			
WSAB-844C	1,601			
WSAB-847	114,432			
WSAB-846	301			
WSAB-848		74		
WSAB-955	31			7
WSAB-863	46			46
WSAB-864	77			224
WSAB-870				6,536
WSAB-873	3,600		5,212	
WSAB-874A				5,938
WSAB-877	6			61
WSAB-879	895			1,306
WSAB-881	742			498
WSAB-882	6,618			5,812
WSAB-885	1,225			533
WSAB-886	294			587
WSAB-886A	89			493

FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023

NOT FOR CONSTRUCTION


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0 4/14/2023 REV DATE BY APP REG NO. EXPIRES SEAL HOLDER DESCRIPTION										DRAWING NO <b>R-1-178</b>						SCALE HOR: 1"=40'	
FINAL CONCEPTUAL ROW DRAWINGS										CHECKED BY CL		 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071		SUBMITTED _____ APPROVED _____		SHEET NO 92 OF 93	
4/14/2023										IN CHARGE RL						DATE 4/14/2023	

16-FEB-2024 E-28091AR179.plg  
wsppw14-pw-svc 19:17

Parcel	Impact (square feet)			
	Acquisition	Aerial Easement	Surface Easement	Temporary Construction Easement
WSAB-887A	25			387
WSAB-887B	15			177
WSAB-889	3,622		9,958	
WSAB-890	744,881			
WSAB-891A	189,748			
WSAB-895A	468			241
WSAB-896A	46			197
WSAB-899	113,149			
WSAB-911B	81			416
WSAB-911C	270			166
WSAB-914A	347			652
WSAB-914B	376			685
WSAB-956	4			51
WSAB-922A	37			50
WSAB-934	7,764			
WSAB-935	8,798			
WSAB-936	24,524			
WSAB-938	10,498			
WSAB-939	5,184			
WSAB-940	7,043			
WSAB-941	7,187			
WSAB-942	7,144			
WSAB-943	7,667			
WSAB-944	7,841			
WSAB-945	6,970			
WSAB-946			497	
WSAB-947			550	
WSAB-953	9			6
WSAB-963				113

**FINAL CONCEPTUAL ROW DRAWINGS- 4/14/2023**

**NOT FOR CONSTRUCTION**

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							DRAWN BY SJ				DRAWING NO <b>R-1-179</b>
							CHECKED BY CL				SCALE <b>HOR: 1"=40'</b>
							IN CHARGE RL				SHEET NO <b>93 OF 93</b>
							DATE 4/14/2023		SUBMITTED _____ APPROVED _____		
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION				
0	4/14/2023						FINAL CONCEPTUAL ROW DRAWINGS				