

Appendix 2-A Select Advanced Conceptual Engineering Drawings

C LINE (GREEN) EXTENSION TO TORRANCE



C Line (Green) Extension to Torrance

Draft Environmental Impact Report

Appendix 2-A: Select Advanced Conceptual Engineering Drawings

Alignments, Grade Crossings, Stations and Stageworks

January 2023



In Association with:

AECOM
BA, Inc
Chen Ryan Associates
Coast Surveying
Cityworks Design
Diaz Yourman & Associates
Epic Land Solutions
Fehr & Peers

McLean & Schultz
Safeprobe, Inc
SKA Design
Soteria Company
Terry A. Hayes Associates Inc
The LeBaugh Group, Inc
Vicis LLC
Yunsoo Kim Design



SHEET DWG. NO. DRAWING TITLE

GENERAL

G-100 TITLE SHEET
 G-120 INDEX OF DRAWINGS (EIR), SHEET 1 OF 2
 G-121 INDEX OF DRAWINGS (EIR), SHEET 2 OF 2

SURVEY CONTROL POINTS

G-300 PROJECT MAPPING, SURVEY CONTROL POINT

TRACK GENERAL

TG-001 ABBREVIATIONS, SYMBOLS, AND GENERAL NOTES, SHEET 1 OF 4
 TG-002 ABBREVIATIONS, SYMBOLS, AND GENERAL NOTES, SHEET 2 OF 4
 TG-003 ABBREVIATIONS, SYMBOLS, AND GENERAL NOTES, SHEET 3 OF 4
 TG-004 ABBREVIATIONS, SYMBOLS, AND GENERAL NOTES, SHEET 4 OF 4

RIGHT OF WAY (ROW)

RW-101 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 273+00 TO LRTS 285+00, SHEET 1 OF 21
 RW-102 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 285+00 TO LRTS 297+00, SHEET 2 OF 21
 RW-103 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 297+00 TO LRTS 309+00, SHEET 3 OF 21
 RW-104 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 309+00 TO LRTS 320+00, SHEET 4 OF 21
 RW-105 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 320+00 TO LRTS 332+00, SHEET 5 OF 21
 RW-106 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 332+00 TO LRTS 344+00, SHEET 6 OF 21
 RW-107 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 344+00 TO LRTS 356+00, SHEET 7 OF 21
 RW-108 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 356+00 TO LRTS 368+00, SHEET 8 OF 21
 RW-109 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 368+00 TO LRTS 380+00, SHEET 9 OF 21
 RW-110 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 380+00 TO LRTS 392+00, SHEET 10 OF 21
 RW-111 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 392+00 TO LRTS 402+00, SHEET 11 OF 21
 RW-112 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 402+00 TO LRTS 414+00, SHEET 12 OF 21
 RW-113 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 414+00 TO LRTS 426+00, SHEET 13 OF 21
 RW-114 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 426+00 TO LRTS 438+00, SHEET 14 OF 21
 RW-115 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 438+00 TO LRTS 450+00, SHEET 15 OF 21
 RW-116 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 450+00 TO LRTS 462+00, SHEET 16 OF 21
 RW-117 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 462+00 TO LRTS 474+00, SHEET 17 OF 21
 RW-118 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 474+00 TO LRTS 486+00, SHEET 18 OF 21
 RW-119 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 486+00 TO LRTS 498+00, SHEET 19 OF 21
 RW-120 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 498+00 TO LRTS 510+00, SHEET 20 OF 21
 RW-121 PROPOSED PROJECT- RIGHT OF WAY PLANS, LRTS 510+00 TO LRTS 522+00, SHEET 21 OF 21
 RW-751 HAWTHORNE OPTION - RIGHT OF WAY PLANS, LRTS 394+00 TO LRTS 405+00, SHEET 1 OF 15
 RW-752 HAWTHORNE OPTION - RIGHT OF WAY PLANS, LRTS 405+00 TO LRTS 417+00, SHEET 2 OF 15
 RW-753 HAWTHORNE OPTION - RIGHT OF WAY PLANS, LRTS 417+00 TO LRTS 429+00, SHEET 3 OF 15
 RW-754 HAWTHORNE OPTION - RIGHT OF WAY PLANS, LRTS 429+00 TO LRTS 441+00, SHEET 4 OF 15
 RW-755 HAWTHORNE OPTION - RIGHT OF WAY PLANS, LRTS 441+00 TO LRTS 453+00, SHEET 5 OF 15
 RW-756 HAWTHORNE OPTION - RIGHT OF WAY PLANS, LRTS 453+00 TO LRTS 465+00, SHEET 6 OF 15
 RW-757 HAWTHORNE OPTION - RIGHT OF WAY PLANS, LRTS 465+00 TO LRTS 477+00, SHEET 7 OF 15
 RW-758 HAWTHORNE OPTION - RIGHT OF WAY PLANS, LRTS 477+00 TO LRTS 489+00, SHEET 8 OF 15
 RW-759 HAWTHORNE OPTION - RIGHT OF WAY PLANS, LRTS 489+00 TO LRTS 501+00, SHEET 9 OF 15
 RW-760 HAWTHORNE OPTION - RIGHT OF WAY PLANS, LRTS 501+00 TO LRTS 513+00, SHEET 10 OF 15
 RW-761 HAWTHORNE OPTION - RIGHT OF WAY PLANS, LRTS 513+00 TO LRTS 525+00, SHEET 11 OF 15
 RW-762 HAWTHORNE OPTION - RIGHT OF WAY PLANS, LRTS 525+00 TO LRTS 537+00, SHEET 12 OF 15
 RW-763 HAWTHORNE OPTION - RIGHT OF WAY PLANS, LRTS 537+00 TO LRTS 549+00, SHEET 13 OF 15
 RW-764 HAWTHORNE OPTION - RIGHT OF WAY PLANS, LRTS 549+00 TO LRTS 561+00, SHEET 14 OF 15
 RW-765 HAWTHORNE OPTION - RIGHT OF WAY PLANS, LRTS 561+00 TO LRTS 563+85, SHEET 15 OF 15

LRT ROW PROPOSED PROJECT

TC-101 PROPOSED PROJECT, TYPICAL SECTIONS, SHEET 1 OF 9
 TC-102 PROPOSED PROJECT, TYPICAL SECTIONS, SHEET 2 OF 9
 TC-103 PROPOSED PROJECT, TYPICAL SECTIONS, SHEET 3 OF 9
 TC-104 PROPOSED PROJECT, TYPICAL SECTIONS, SHEET 4 OF 9
 TC-105 PROPOSED PROJECT, TYPICAL SECTIONS, SHEET 5 OF 9
 TC-106 PROPOSED PROJECT, TYPICAL SECTIONS, SHEET 6 OF 9
 TC-107 PROPOSED PROJECT, TYPICAL SECTIONS, SHEET 7 OF 9
 TC-108 PROPOSED PROJECT, TYPICAL SECTIONS, SHEET 8 OF 9
 TC-109 PROPOSED PROJECT, TYPICAL SECTIONS, SHEET 9 OF 9
 T-101 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 273+00 TO LRTS 285+00, SHEET 1 OF 21
 T-102 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 285+00 TO LRTS 297+00, SHEET 2 OF 21
 T-103 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 297+00 TO LRTS 309+00, SHEET 3 OF 21
 T-104 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 309+00 TO LRTS 320+00, SHEET 4 OF 21
 T-105 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 320+00 TO LRTS 332+00, SHEET 5 OF 21
 T-106 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 332+00 TO LRTS 344+00, SHEET 6 OF 21
 T-107 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 344+00 TO LRTS 356+00, SHEET 7 OF 21
 T-108 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 356+00 TO LRTS 368+00, SHEET 8 OF 21
 T-109 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 368+00 TO LRTS 380+00, SHEET 9 OF 21

SHEET DWG. NO. DRAWING TITLE

LRT ROW PROPOSED PROJECT (Cont)

T-110 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 380+00 TO LRTS 392+00, SHEET 10 OF 21
 T-111 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 392+00 TO LRTS 403+00, SHEET 11 OF 21
 T-112 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 403+00 TO LRTS 415+00, SHEET 12 OF 21
 T-113 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 415+00 TO LRTS 427+00, SHEET 13 OF 21
 T-114 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 427+00 TO LRTS 439+00, SHEET 14 OF 21
 T-115 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 439+00 TO LRTS 451+00, SHEET 15 OF 21
 T-116 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 451+00 TO LRTS 463+00, SHEET 16 OF 21
 T-117 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 463+00 TO LRTS 475+00, SHEET 17 OF 21
 T-118 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 475+00 TO LRTS 487+00, SHEET 18 OF 21
 T-119 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 487+00 TO LRTS 499+00, SHEET 19 OF 21
 T-120 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 499+00 TO LRTS 511+00, SHEET 20 OF 21
 T-121 PROPOSED PROJECT - TRACK PLAN & PROFILE, LRTS 511+00 TO LRTS 523+00, SHEET 21 OF 21

LRT ROW TRENCH OPTION

TC-201 TRENCH OPTION, TYPICAL SECTIONS, SHEET 1 OF 3
 TC-202 TRENCH OPTION, TYPICAL SECTIONS, SHEET 2 OF 3
 TC-203 TRENCH OPTION, TYPICAL SECTIONS, SHEET 3 OF 3
 T-201 TRENCH OPTION - TRACK PLAN & PROFILE, LRTS 273+00 TO LRTS 285+00, SHEET 1 OF 13
 T-202 TRENCH OPTION - TRACK PLAN & PROFILE, LRTS 285+00 TO LRTS 297+00, SHEET 2 OF 13
 T-203 TRENCH OPTION - TRACK PLAN & PROFILE, LRTS 297+00 TO LRTS 309+00, SHEET 3 OF 13
 T-204 TRENCH OPTION - TRACK PLAN & PROFILE, LRTS 309+00 TO LRTS 320+00, SHEET 4 OF 13
 T-205 TRENCH OPTION - TRACK PLAN & PROFILE, LRTS 320+00 TO LRTS 332+00, SHEET 5 OF 13
 T-206 TRENCH OPTION - TRACK PLAN & PROFILE, LRTS 332+00 TO LRTS 344+00, SHEET 6 OF 13
 T-207 TRENCH OPTION - TRACK PLAN & PROFILE, LRTS 344+00 TO LRTS 356+00, SHEET 7 OF 13
 T-208 TRENCH OPTION - TRACK PLAN & PROFILE, LRTS 356+00 TO LRTS 368+00, SHEET 8 OF 13
 T-209 TRENCH OPTION - TRACK PLAN & PROFILE, LRTS 368+00 TO LRTS 380+00, SHEET 9 OF 13
 T-210 TRENCH OPTION - TRACK PLAN & PROFILE, LRTS 380+00 TO LRTS 392+00, SHEET 10 OF 13
 T-211 TRENCH OPTION - TRACK PLAN & PROFILE, LRTS 392+00 TO LRTS 402+00, SHEET 11 OF 13
 T-212 TRENCH OPTION - TRACK PLAN & PROFILE, LRTS 402+00 TO LRTS 414+00, SHEET 12 OF 13
 T-213 TRENCH OPTION - TRACK PLAN & PROFILE, LRTS 414+00 TO LRTS 426+00, SHEET 13 OF 13

BNSF FREIGHT TRACK REALIGNMENT

T-401 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 1+00 TO MTRK 13+00, SHEET 1 OF 21
 T-402 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 13+00 TO MTRK 25+00, SHEET 2 OF 21
 T-403 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 25+00 TO MTRK 37+00, SHEET 3 OF 21
 T-404 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 37+00 TO MTRK 48+00, SHEET 4 OF 21
 T-405 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 48+00 TO MTRK 60+00, SHEET 5 OF 21
 T-406 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 60+00 TO MTRK 72+00, SHEET 6 OF 21
 T-407 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 72+00 TO MTRK 84+00, SHEET 7 OF 21
 T-408 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 84+00 TO MTRK 96+00, SHEET 8 OF 21
 T-409 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 96+00 TO MTRK 108+00, SHEET 9 OF 21
 T-410 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 108+00 TO MTRK 120+00, SHEET 10 OF 21
 T-411 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 120+00 TO MTRK 131+00, SHEET 11 OF 21
 T-412 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 131+00 TO MTRK 143+00, SHEET 12 OF 21
 T-413 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 143+00 TO MTRK 155+00, SHEET 13 OF 21
 T-414 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 155+00 TO MTRK 167+00, SHEET 14 OF 21
 T-415 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 167+00 TO MTRK 179+00, SHEET 15 OF 21
 T-416 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 179+00 TO MTRK 191+00, SHEET 16 OF 21
 T-417 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 191+00 TO MTRK 203+00, SHEET 17 OF 21
 T-418 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 203+00 TO MTRK 215+00, SHEET 18 OF 21
 T-419 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 215+00 TO MTRK 227+00, SHEET 19 OF 21
 T-420 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 227+00 TO MTRK 239+00, SHEET 20 OF 21
 T-421 PROP PROJECT-FREIGHT PLAN & PROFILE, MTRK 239+00 TO MTRK 251+00, SHEET 21 OF 21

HAWTHORNE LRT OPTION



TC-701 HAWTHORNE OPTION, CROSS SECTIONS, SHEET 1 OF 15
 TC-702 HAWTHORNE OPTION, CROSS SECTIONS, SHEET 2 OF 15
 TC-703 HAWTHORNE OPTION, CROSS SECTIONS, SHEET 3 OF 15
 TC-704 HAWTHORNE OPTION, CROSS SECTIONS, SHEET 4 OF 15
 TC-705 HAWTHORNE OPTION, CROSS SECTIONS, SHEET 5 OF 15
 TC-706 HAWTHORNE OPTION, CROSS SECTIONS, SHEET 6 OF 15
 TC-707 HAWTHORNE OPTION, CROSS SECTIONS, SHEET 7 OF 15
 TC-708 HAWTHORNE OPTION, CROSS SECTIONS, SHEET 8 OF 15
 TC-709 HAWTHORNE OPTION, CROSS SECTIONS, SHEET 9 OF 15
 TC-710 HAWTHORNE OPTION, CROSS SECTIONS, SHEET 10 OF 15
 TC-711 HAWTHORNE OPTION, CROSS SECTIONS, SHEET 11 OF 15
 TC-712 HAWTHORNE OPTION, CROSS SECTIONS, SHEET 12 OF 15
 TC-713 HAWTHORNE OPTION, CROSS SECTIONS, SHEET 13 OF 15
 TC-714 HAWTHORNE OPTION, CROSS SECTIONS, SHEET 14 OF 15
 TC-715 HAWTHORNE OPTION, CROSS SECTIONS, SHEET 15 OF 15

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NOT FOR CONSTRUCTION

INFORMATION CONFIDENTIAL:
 All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.

DESIGNED BY J. GONZALEZ
 DRAWN BY B. EUN LLOVET
 CHECKED BY G. THOMPSON
 APPROVED BY A. SOKOL
 DATE 12/09/2022


 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY


SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
INDEX OF DRAWINGS (EIR)
 SHEET 1 OF 2

CONTRACT NO. AE63445001	
DRAWING NO. G-120	
REVISION	SHEET NO.
SCALE	NO SCALE

HAWTHORNE LRT OPTION (Cont)

T-701	HAWTHORNE OPTION - TRACK PLAN & PROFILE. LRTS 394+23 TO LRTS 404+00. SHEET 1 OF 15
T-702	HAWTHORNE OPTION - TRACK PLAN & PROFILE. LRTS 404+00 TO LRTS 416+00. SHEET 2 OF 15
T-703	HAWTHORNE OPTION - TRACK PLAN & PROFILE. LRTS 416+00 TO LRTS 428+00. SHEET 3 OF 15
T-704	HAWTHORNE OPTION - TRACK PLAN & PROFILE. LRTS 428+00 TO LRTS 440+00. SHEET 4 OF 15
T-705	HAWTHORNE OPTION - TRACK PLAN & PROFILE. LRTS 440+00 TO LRTS 452+00. SHEET 5 OF 15
T-706	HAWTHORNE OPTION - TRACK PLAN & PROFILE. LRTS 452+00 TO LRTS 464+00. SHEET 6 OF 15
T-707	HAWTHORNE OPTION - TRACK PLAN & PROFILE. LRTS 464+00 TO LRTS 476+00. SHEET 7 OF 15
T-708	HAWTHORNE OPTION - TRACK PLAN & PROFILE. LRTS 476+00 TO LRTS 488+00. SHEET 8 OF 15
T-709	HAWTHORNE OPTION - TRACK PLAN & PROFILE. LRTS 488+00 TO LRTS 500+00. SHEET 9 OF 15
T-710	HAWTHORNE OPTION - TRACK PLAN & PROFILE. LRTS 500+00 TO LRTS 512+00. SHEET 10 OF 15
T-711	HAWTHORNE OPTION - TRACK PLAN & PROFILE. LRTS 512+00 TO LRTS 524+00. SHEET 11 OF 15
T-712	HAWTHORNE OPTION - TRACK PLAN & PROFILE. LRTS 524+00 TO LRTS 536+00. SHEET 12 OF 15
T-713	HAWTHORNE OPTION - TRACK PLAN & PROFILE. LRTS 536+00 TO LRTS 548+00. SHEET 13 OF 15
T-714	HAWTHORNE OPTION - TRACK PLAN & PROFILE. LRTS 548+00 TO LRTS 560+00. SHEET 14 OF 15
T-715	HAWTHORNE OPTION - TRACK PLAN & PROFILE. LRTS 560+00 TO LRTS 563+85. SHEET 15 OF 15

GRADE CROSSING IMPROVEMENTS ROW PROPOSED PROJECT

GX-110	PROPOSED PROJECT. INGLEWOOD AVENUE. GRADE CROSSING PLAN
GX-120	PROPOSED PROJECT. MANHATTAN BEACH BOULEVARD. GRADE CROSSING PLAN
GX-130	PROPOSED PROJECT. 159TH STREET. GRADE CROSSING PLAN
GX-140	PROPOSED PROJECT. 160TH STREET. GRADE CROSSING PLAN
GX-150	PROPOSED PROJECT. 161ST STREET. GRADE CROSSING PLAN
GX-160	PROPOSED PROJECT. 162ND STREET. GRADE CROSSING PLAN
GX-170	PROPOSED PROJECT. 170TH STREET. GRADE CROSSING PLAN
GX-180	PROPOSED PROJECT. 182ND STREET. GRADE CROSSING PLAN
GX-190	PROPOSED PROJECT. TORRANCE TRANSIT CENTER PED CROSSING. GRADE CROSSING PLAN

GRADE CROSSING IMPROVEMENTS ROW TRENCH OPTION

GX-210	TRENCH OPTION. INGLEWOOD AVENUE. GRADE CROSSING PLAN
GX-220	TRENCH OPTION. MANHATTAN BEACH BOULEVARD. GRADE CROSSING PLAN

REDONDO BEACH TRANSIT CENTER PROPOSED PROJECT

A-100	PROPOSED PROJECT. REDONDO BEACH TRANSIT CENTER STATION. ARCHITECTURAL SITE PLAN
A-151	PROPOSED PROJECT. REDONDO BEACH TRANSIT CENTER STATION. ARCHITECTURAL AXONOMETRIC VIEW
A-152	PROPOSED PROJECT. REDONDO BEACH TRANSIT CENTER STATION. ARCHITECTURAL RENDERINGS

REDONDO BEACH TRANSIT CENTER STATION TRENCH OPTION

A-200	TRENCH OPTION. REDONDO BEACH TRANSIT CENTER STATION. ARCHITECTURAL SITE PLAN
A-251	TRENCH OPTION. REDONDO BEACH TRANSIT CENTER STATION. ARCHITECTURAL AXONOMETRIC VIEW
A-252	TRENCH OPTION. REDONDO BEACH TRANSIT CENTER STATION. ARCHITECTURAL RENDERINGS

TORRANCE TRANSIT CENTER STATION PROPOSED PROJECT

A-300	PROPOSED PROJECT. TORRANCE TRANSIT CENTER STATION. ARCHITECTURAL SITE PLAN
A-350	PROPOSED PROJECT. TORRANCE TRANSIT CENTER STATION. ARCHITECTURAL AXONOMETRIC VIEW
A-351	PROPOSED PROJECT. TORRANCE TRANSIT CENTER STATION. ARCHITECTURAL RENDERINGS SHEET 1 OF 2
A-352	PROPOSED PROJECT. TORRANCE TRANSIT CENTER STATION. ARCHITECTURAL RENDERINGS SHEET 2 OF 2
C-101	PARKING LAYOUT FOR PROPOSED TORRANCE STATION

SOUTH BAY GALLERIA STATION HAWTHORNE OPTION

A-400	HAWTHORNE OPTION. SOUTH BAY GALLERIA AERIAL STATION. ARCHITECTURAL SITE PLAN
A-451	HAWTHORNE OPTION. SOUTH BAY GALLERIA AERIAL STATION. ARCHITECTURAL AXONOMETRIC VIEW
A-452	HAWTHORNE OPTION. SOUTH BAY GALLERIA AERIAL STATION. ARCHITECTURAL RENDERINGS

TRAFFIC HANDLING & CONSTRUCTION STAGING

SG-101	PROP PROJECT - CONSTRUCTION STAGING PLANS. LRTS 273+00 TO LRTS 410+00 (NORTH). SHEET 1 OF 3
SG-102	PROP PROJECT - CONSTRUCTION STAGING PLANS. LRTS 273+00 TO LRTS 410+00 (NORTH). SHEET 2 OF 3
SG-103	PROP PROJECT - CONSTRUCTION STAGING PLANS. LRTS 273+00 TO LRTS 410+00 (NORTH). SHEET 3 OF 3
SG-106	TRENCH OPT - CONSTRUCTION STAGING PLANS. LRTS 273+00 TO LRTS 410+00 (NORTH). SHEET 1 OF 3
SG-107	TRENCH OPT - CONSTRUCTION STAGING PLANS. LRTS 273+00 TO LRTS 410+00 (NORTH). SHEET 2 OF 3
SG-108	TRENCH OPT - CONSTRUCTION STAGING PLANS. LRTS 273+00 TO LRTS 410+00 (NORTH). SHEET 3 OF 3
SG-111	PROP PROJECT - CONSTRUCTION STAGING PLANS. LRTS 398+00 TO LRTS 554+00 (SOUTH). SHEET 1 OF 3
SG-112	PROP PROJECT - CONSTRUCTION STAGING PLANS. LRTS 398+00 TO LRTS 554+00 (SOUTH). SHEET 2 OF 3
SG-113	PROP PROJECT - CONSTRUCTION STAGING PLANS. LRTS 398+00 TO LRTS 554+00 (SOUTH). SHEET 3 OF 3
TH-161	PROPOSED PROJECT. ROADWAY CLOSURE DETOUR ROUTES
TH-165	PROPOSED PROJECT. ARTESIA BOULEVARD TRAFFIC HANDLING CONCEPT
TH-171	PROPOSED PROJECT. 182ND STREET TRAFFIC HANDLING CONCEPT
TH-175	PROPOSED PROJECT. HAWTHORNE BOULEVARD TRAFFIC HANDLING CONCEPT
TH-181	PROPOSED PROJECT. 190TH STREET TRAFFIC HANDLING CONCEPT
SG-700	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING. GENERAL NOTES. SHEET 1 OF 1

LRT ROW PROPOSED PROJECT (Cont)

SG-701	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 1. LRTS 453+00 TO LRTS 465+00. SHEET 1 OF 31
SG-702	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 1. LRTS 465+00 TO LRTS 477+00. SHEET 2 OF 31
SG-703	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 1. LRTS 477+00 TO LRTS 489+00. SHEET 3 OF 31
SG-704	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 1. LRTS 489+00 TO LRTS 501+00. SHEET 4 OF 31
SG-705	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 1. LRTS 501+00 TO LRTS 513+00. SHEET 5 OF 31
SG-706	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 1. LRTS 513+00 TO LRTS 525+00. SHEET 6 OF 31
SG-707	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 1. LRTS 525+00 TO LRTS 537+00. SHEET 7 OF 31
SG-708	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 1. LRTS 537+00 TO LRTS 549+00. SHEET 8 OF 31
SG-709	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 2. LRTS 394+32 TO LRTS 405+00. SHEET 9 OF 31
SG-710	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 2. LRTS 405+00 TO LRTS 417+00. SHEET 10 OF 31
SG-711	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 2. LRTS 417+00 TO LRTS 429+00. SHEET 11 OF 31
SG-712	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 2. LRTS 429+00 TO LRTS 441+00. SHEET 12 OF 31
SG-713	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 2. LRTS 441+00 TO LRTS 453+00. SHEET 13 OF 31
SG-714	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 2. LRTS 453+00 TO LRTS 465+00. SHEET 14 OF 31
SG-715	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 2. LRTS 465+00 TO LRTS 477+00. SHEET 15 OF 31
SG-716	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 2. LRTS 477+00 TO LRTS 489+00. SHEET 16 OF 31
SG-717	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 2. LRTS 489+00 TO LRTS 501+00. SHEET 17 OF 31
SG-718	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 2. LRTS 501+00 TO LRTS 513+00. SHEET 18 OF 31
SG-719	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 2. LRTS 513+00 TO LRTS 525+00. SHEET 19 OF 31
SG-720	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 2. LRTS 525+00 TO LRTS 537+00. SHEET 20 OF 31
SG-721	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 2. LRTS 537+00 TO LRTS 549+00. SHEET 21 OF 31
SG-722	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 2. LRTS 549+00 TO LRTS 561+00. SHEET 22 OF 31
SG-723	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 2. LRTS 561+00 TO LRTS 563+86. SHEET 23 OF 31
SG-724	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 3. LRTS 453+00 TO LRTS 465+00. SHEET 24 OF 31
SG-725	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 3. LRTS 465+00 TO LRTS 477+00. SHEET 25 OF 31
SG-726	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 3. LRTS 477+00 TO LRTS 489+00. SHEET 26 OF 31
SG-727	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 3. LRTS 489+00 TO LRTS 501+00. SHEET 27 OF 31
SG-728	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 3. LRTS 501+00 TO LRTS 513+00. SHEET 28 OF 31
SG-729	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 3. LRTS 513+00 TO LRTS 525+00. SHEET 29 OF 31
SG-730	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 3. LRTS 525+00 TO LRTS 537+00. SHEET 30 OF 31
SG-731	HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 3. LRTS 537+00 TO LRTS 549+00. SHEET 31 OF 31
TH-701	HAWTHORNE OPTION - TRAFFIC HANDLING, SIGNAGE & STRIPING SCHEMATIC SHEET 1 OF 2. MID-BLOCK STREET WIDENING
TH-702	HAWTHORNE OPTION - TRAFFIC HANDLING, SIGNAGE & STRIPING SCHEMATIC SHEET 2 OF 2. CONSTRUCTION AT INTERSECTIONS

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DESIGNED BY
J. GONZALEZ

DRAWN BY
B. EUN LLOVET


CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/09/2022



LOS ANGELES COUNTY
METROPOLITAN
Metro TRANSPORTATION AUTHORITY



SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE

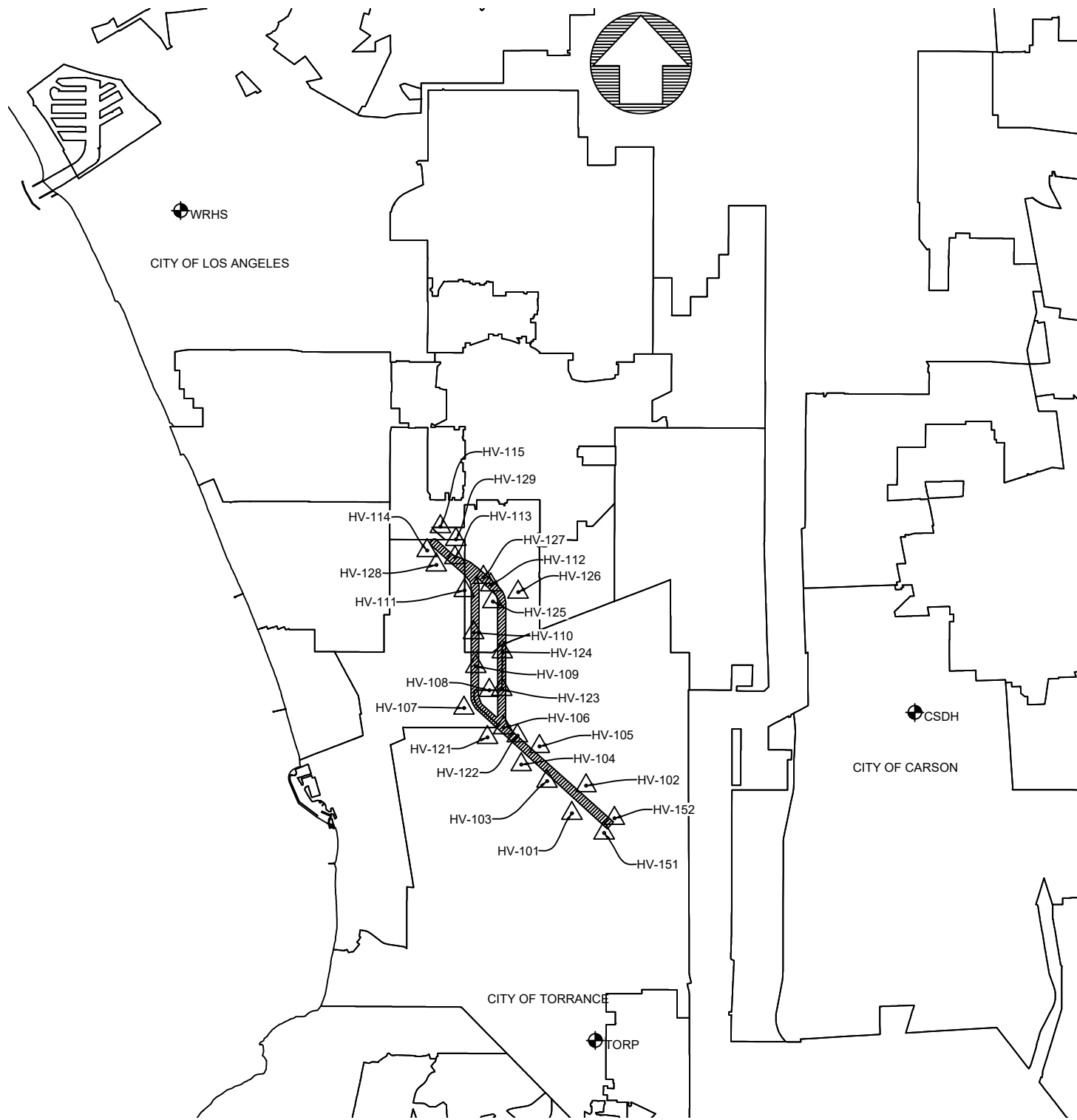
ADVANCED CONCEPTUAL ENGINEERING

INDEX OF DRAWINGS (EIR)

SHEET 2 OF 2

CONTRACT NO. AE63445001	
DRAWING NO. G-121	
REVISION	SHEET NO.
SCALE	NO SCALE

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BASIS OF GEODETIC COORDINATES:

GEODETIC COORDINATES SHOWN HEREON ARE BASED ON THE NORTH AMERICAN DATUM OF 1983, CSRS EPOCH 2007, CALIFORNIA COORDINATE SYSTEM ZONE 5, US SURVEY FEET AS REALIZED THROUGH THE CALIFORNIA REAL TIME NETWORK PRIMARY CONTROL STATIONS AS SHOWN HEREON. GNSS ORTHOMETRIC HEIGHTS SHOWN HEREON ARE BASED UPON GRS80 ELLIPSOIDAL HEIGHTS AS REALIZED THROUGH THE AFOREMENTIONED NAD83, EPOCH 2007, PRIMARY CONTROL STATION THE ABSOLUTE APPLICATION OF GEOD12B.

STATION	PRIMARY CONTROL			DESCRIPTION
	NORTHING	EASTING	ELEVATION	
WRHS	1807427.136	6431998.337	145.93	CRTN STATION WESTCHESTER HIGH
TORP	1748959.858	6461222.724	103.09	CRTN STATION TORRANCE AIRPORT
CSDH	1772068.800	6483730.933	90.05	CRTN STATION CSU DOMINGUEZ

STATION	PROJECT CONTROL POINTS			DESCRIPTION
	NORTHING	EASTING	ELEVATION	
HV-101	1764957.504	6459570.471	79.924	AERIAL CONTROL TARGET
HV-102	1766912.017	6460570.204	73.879	AERIAL CONTROL TARGET
HV-103	1767223.891	6457813.808	100.378	AERIAL CONTROL TARGET
HV-104	1768380.914	6456000.153	100.173	AERIAL CONTROL TARGET
HV-105	1769664.351	6457284.006	98.874	AERIAL CONTROL TARGET
HV-106	1770983.499	6454765.682	83.071	AERIAL CONTROL TARGET
HV-107	1772369.668	6451963.768	112.954	AERIAL CONTROL TARGET
HV-108	1773615.731	6453752.325	90.253	AERIAL CONTROL TARGET
HV-109	1775306.616	6452801.395	95.200	AERIAL CONTROL TARGET
HV-110	1777688.712	6452644.962	97.131	AERIAL CONTROL TARGET
HV-111	1780659.899	6451993.21	67.219	AERIAL CONTROL TARGET
HV-112	1781056.839	6453854.685	57.334	AERIAL CONTROL TARGET
HV-113	1782971.508	6451326.569	66.376	AERIAL CONTROL TARGET
HV-114	1783478.931	6449364.77	68.867	AERIAL CONTROL TARGET
HV-115	1785160.137	6450306.978	71.311	AERIAL CONTROL TARGET
HV-121	1770305.39	6453624.653	94.935	AERIAL CONTROL TARGET
HV-122	1770418.981	6455729.833	86.325	AERIAL CONTROL TARGET
HV-123	1773680.32	6454632.74	93.881	AERIAL CONTROL TARGET
HV-124	1776338.53	6454668.034	92.010	AERIAL CONTROL TARGET
HV-125	1779871.753	6454005.427	65.314	AERIAL CONTROL TARGET
HV-126	1780539.398	6455776.882	51.643	AERIAL CONTROL TARGET
HV-127	1781588.377	6453340.91	59.004	AERIAL CONTROL TARGET
HV-128	1782462.687	6450009.976	71.642	AERIAL CONTROL TARGET
HV-129	1784262.149	6451393.649	66.593	AERIAL CONTROL TARGET
HV-151	1763575.833	6461841.733	94.715	AERIAL CONTROL TARGET
HV-152	1764600.045	6462565.334	78.320	AERIAL CONTROL TARGET



I CERTIFY THAT THIS PROJECT MAPPING CONTROL SURVEY CONTROL PLAN OF THE GREEN LINE EXTENSION LOCATED IN THE COUNTY OF LOS ANGELES, CALIFORNIA WAS COMPLETED BY ME, OR UNDER MY DIRECT SUPERVISION, DURING JANUARY, 2023.

Ruel Del Castillo

RUEL DEL CASTILLO
CALIFORNIA P.L.S. 4212

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DESIGNED BY: J. WOLF
DRAWN BY: J. WOLF
CHECKED BY: K. HOEHN
APPROVED BY: K. HOEHN
DATE: 01-16-2023

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

STV 100 Years **COAST SURVEYING, INC.**

15031 Parkway Loop, Suite 8
Torrance, California 90508
Phone: (310) 918-0268

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROJECT MAPPING
SURVEY CONTROL PLAN

CONTRACT NO. AE63445001	
DRAWING NO. G-300	
REVISION	SHEET NO.
SCALE	1" = 5000'

ABBREVIATIONS

TRACK ALIGNMENT – HORIZONTAL

C/L	CENTERLINE
CS	CIRCULAR CURVE TO SPIRAL
PC	POINT OF CIRCULAR CURVE
PI	POINT OF INTERSECTION OF TWO TANGENTS
PT	POINT OF TANGENCY
TS	TANGENT TO SPIRAL
SC	SPIRAL TO CIRCULAR CURVE
SS	SPIRAL TO SPIRAL
ST	SPIRAL TO TANGENT OR SHORT TANGENT
CC	CENTER OF CIRCULAR CURVE
LC	LONG CHORD
DC	DEGREE OF CURVE
Δc	CENTRAL ANGLE OF CIRCULAR CURVE
Es	EXTERNAL DISTANCE
I	TOTAL INTERSECTION ANGLE
K	DISTANCE FROM TS TO PC ALONG TANGENT
L	TOTAL LENGTH OF CURVE
Lc	TOTAL LENGTH OF CIRCULAR CURVE
Ls	TOTAL LENGTH OF SPIRAL
Ls1	LENGTH OF SPIRAL IN
Ls2	LENGTH OF SPIRAL OUT
LT	LONG TANGENT
P	OFFSET DISTANCE FROM TANGENT TO PC, SPIRAL THROW
POS	POINT ON SPIRAL
POT	POINT ON TANGENT
POC	POINT ON CIRCULAR CURVE
Rc	RADIUS OF CIRCULAR CURVE
Tc	TANGENT LENGTH OF CIRCULAR CURVE
Ts	TANGENT DISTANCE FROM TS OR ST TO PI
θs	SPIRAL ANGLE
X	TANGENT DISTANCE FROM TS TO SC OR ST TO CS
Y	TANGENT OFFSET TO SC OR CS
E+	TOTAL SUPERELEVATION
Eo	ACTUAL SUPERELEVATION
Eu	UNBALANCED SUPERELEVATION
PS	POINT OF SWITCH
PITO	POINT OF INTERSECTION OF TURNOUT
PRC	POINT OF REVERSE CIRCULAR CURVE

TRACK ALIGNMENT – VERTICAL

VC	VERTICAL CURVE
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
POVC	POINT ON VERTICAL CURVE
LVC	LENGTH OF VERTICAL CURVE
MO	MIDDLE ORDINATE

UTILITY COMPANY / AGENCY ABBREVIATIONS

AAR	ASSOCIATION OF AMERICAN RAILROADS
AASHTO	ASSOCIATION OF AMERICAN STATE HIGHWAY AND TRANSPORTATION OFFICIALS
ACI	AMERICAN CONCRETE INSTITUTE
AF	U.S. AIR FORCE
AM STATE	W. AMERICAN STATES WATER COMPANY (NOW LACOW)
ARCO	ATLANTIC RICHFIELD COMPANY (NOW FOUR CORNERS PIPELINE COMPANY)
AREMA	AMERICAN RAILWAY ENGINEERING & MAINTENANCE OF WAY ASSOCIATION
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS

AT&SF	ATCHISON, TOPEKA AND SANTA FE RAILWAY COMPANY
BPL	BUREAU OF POWER AND LIGHT (NOW LA DWPPS)
BWS	BUREAU OF WATER SUPPLIES (NOW LA DWPPS)
CALTRANS	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
CON WCO	CONSERVATIVE WATER COMPANY (NOW LACOW)
DWP	LOS ANGELES DEPARTMENT OF WATER AND POWER
DWPWS	CITY OF LOS ANGELES, DEPARTMENT OF WATER AND POWER, WATER SYSTEM
DWPPS	CITY OF LOS ANGELES, DEPARTMENT OF WATER AND POWER, POWER SYSTEM
EMC	ENGINEERING MANAGEMENT CONSULTANT
FHWA	FEDERAL HIGHWAY ADMINISTRATION
FTA	FEDERAL TRANSIT ADMINISTRATION
GP	GENERAL PETROLEUM (NOW MOBIL OIL)
GSD	CITY OF LOS ANGELES, GENERAL SERVICES DIVISION
GTE	GENERAL TELEPHONE COMPANY
LA	CITY OF LOS ANGELES
LACFCD	LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
LACMTA	LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY
LACO	COUNTY OF LOS ANGELES
LACOW	LOS ANGELES COUNTY WATER WORKS
LACRD	LOS ANGELES COUNTY ROAD DEPARTMENT
LACSD	LOS ANGELES COUNTY SANITATION DISTRICTS
LACTC	LOS ANGELES COUNTY TRANSPORTATION COMMISSION (NOW LACMTA)
LADOT	CITY OF LOS ANGELES, DEPARTMENT OF TRANSPORTATION
LADPW	LOS ANGELES DEPARTMENT OF PUBLIC WORKS
LADWP-PS	CITY OF LOS ANGELES, DEPARTMENT OF WATER & POWER, POWER SYSTEMS
LADWP-WS	CITY OF LOS ANGELES, DEPARTMENT OF WATER & POWER, WATER SYSTEMS
LAG	LOS ANGELES GAS (NOW SCG OR TGC)
LAC&E	LOS ANGELES GAS & ELECTRIC (NOW SCG, TGC AND DWPPS)
LAPBL	LOS ANGELES TO PASADENA METRO BLUE LINE CONSTRUCTION AUTHORITY
LAWD	LOS ANGELES WATER DEPARTMENT (NOW DWPPS)
LAX	LOS ANGELES INTERNATIONAL AIRPORT
LB	CITY OF LONG BEACH
MTA	LOS ANGELES METROPOLITAN TRANSPORTATION AUTHORITY
MWD	METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA
PAC BELL, PB	PACIFIC BELL COMPANY
PAS	CITY OF PASADENA
PACTEL, PTT	PACIFIC TELEPHONE & TELEGRAPH COMPANY
PUC	PUBLIC UTILITY COMMISSION
RCC	RAIL CONSTRUCTION CORPORATION
SCE	SOUTHERN CALIFORNIA EDISON COMPANY
SCAL W	SOUTHERN CALIFORNIA WATER COMPANY (NOW LACOW)
SCG	SOUTHERN CALIFORNIA GAS COMPANY (NOW THE GAS COMPANY)
SCRTD	SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT (NOW LACMTA)
SCT	SOUTHERN CALIFORNIA TELEPHONE COMPANY (NOW PACIFIC BELL)
SCWCO	SOUTHERN CALIFORNIA WATER COMPANY
SO PAC P	SOUTHERN PACIFIC PIPELINE COMPANY
SPTC OR SP	SOUTHERN PACIFIC TRANSPORTATION COMPANY
SO PAS	CITY OF SOUTH PASADENA
SPPWC	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
STD OIL CO	STANDARD OIL COMPANY OF CALIFORNIA
TGC	THE GAS COMPANY (FORMERLY SOUTHERN CALIFORNIA GAS COMPANY)
TM-CATV	TIMES MIRROR CABLE TELEVISION (NOW SIMMONS CABLE TELEVISION)
UBC	UNIFORM BUILDING CODE
US	UNITED STATES
USC & GS	UNITED STATES COAST AND GEODETIC SURVEY

WUT	WESTERN UNION TELEGRAPH COMPANY(NOW ATS PART OF MCI)
&	AND
@	AT
APPROX, APP	APPROXIMATE OR APPROXIMATELY
AB	AGGREGATE BASE
ABND	ABANDONED
ABS	ACRYLONITRILE-BUTADIENE-STYRENE
ABUT	ABUTMENT
AC	ASPHALT CONCRETE OR ASBESTOS CEMENT
ACC	ASPHALT CEMENT CONDUIT
ACD	ASPHALTIC CONCRETE DUCT
ACL	AUXILIARY CONTROL LINE
ACP	ASBESTOS CEMENT PIPE
ACWS	ASPHALT CONCRETE WEARING SURFACE
AGGR	AGGREGATE
AHD	AHEAD
AL	ALUMINUM OR LEFT TRACK – LINE A
ALIGN	ALIGNMENT
APP	APPROVED (REF)
APPROX	APPROXIMATELY
APPV	APPROVED
AR	RIGHT TRACK – LINE A
AS	AGGREGATE SUB-BASE
ASB	ASBESTOS
ASPH	ASPHALT
ATC	AUTOMATIC TRAIN CONTROL
AVE	AVENUE
AWG	AMERICAN WIRE GAUGE (GAGE)
A/R	AS REQUIRED
BB	BILLBOARD
BCOP	BARE COPPER
BCR	BEGIN CURB RETURN
BEG	BEGIN OR BEGINNING
BF	BOTTOM FACE
BFP	BACKFLOW PREVENTER
BIT	BITUMINOUS
BL	BASELINE, BUILDING LINE OR LEFT TRACK-LINE B
BLDG	BUILDING
BLS	BLUE LIGHT STATION
BLVD	BOULEVARD
BM	BENCH MARK
BO	BLOW-OFF
BOC	BOTTOM OF CURB
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF SLOPE
BP	BEGIN PLATFORM
BSMT	BASEMENT
BRDG	BRIDGE
BRG	BEARING
BRK	BRICK
BRS	BLAST RELIEF SHAFT
BS	BELL AND SPIGOT
BUR CA	BURIED CABLE
BW	BOTTOM OF WALL OR BACK OF WALK
B TO B	BACK TO BACK
B-PC	SCHEDULE B – PLASTIC CONDUIT
C	CURB OR CONDUIT
CA	CABLE OR COMPRESSED AIR
CAB	CRUSHED AGGREGATE BASE

MISCELLANEOUS


CB	CATCH BASIN
CBD	CENTRAL BUSINESS DISTRICT
CC-B	CONCRETE CONDUIT-TYPE B
CC-C	CONCRETE CONDUIT-TYPE C
CD	CURB DRAIN
CE	CONCRETE ENCASED
CF	CURB FACE
CFS	CUBIC FEET PER SECOND
C & G	CURB AND GUTTER
CGS	CENTER OF GRAVITY, STRAND
CHEM	CHEMICAL
CI	CAST IRON OR CURB INLET
CICLP, CIP(CL)	CAST-IRON CEMENT LINED PIPE
CIP	CAST IRON PIPE
CIRCUM	CIRCUMFERENCE
CISP(ES)	CAST IRON SOIL PIPE (EXTRA STRENGTH)
CJ	CONSTRUCTION JOINT, OR CONTROL JOINT
CL	CURB LINE OR CLASS
C	CENTERLINE
CLF	CHAIN LINK FENCE
CLG	CEILING
CLR	CLEARANCE OR CLEAR
CMB	CRUSHED MISCELLANEOUS BASE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT, COUNTY, OR COMPANY
COL	COLUMN
COMM	COMMUNICATION
CONC	CONCRETE
CONC BL	CONCRETE BLOCK
COND	CONDUIT
CONF	CONFERENCE
CONN	CONNECT, CONNECTION, OR CONNECTOR
CONST	CONSTRUCT OR CONSTRUCTION
CONT	CONTINUED, CONTINUOUS, OR CONTINUATION
COORD	COORDINATE
COP	COPPER
COR	CORNER
CORR	CORRUGATE OR CORRUGATED
CPC	CORRUGATED PLASTIC CONDUIT, CEMENTED PLASTIC PIPE
CPP	CORRUGATED PLASTIC PIPE
C/S	COMMUNICATIONS/SIGNALS
CSG	CASING
CSW	CONCRETE SIDEWALK
CTA	CENTRAL TANGENT ANGLE
CTB	CEMENT TREATED BASE
CU FT	CUBIC FOOT
CU IN	CUBIC INCH
CU YD	CUBIC YARD
CULV	CULVERT
CWD	CREOSOTED WOOD DUCT
CWR	CONTINUOUS WELDED RAIL
C TO C	CENTER TO CENTER
C-PC	SCHEDULE C – PLASTIC CONDUIT
D, d	DEPTH
D, DU, DCT	DUCT, D LOADING
DB	DUCT BANK
DEF	DEFLECTION
DEG	DEGREES
DEPT	DEPARTMENT
DESC	DESCRIPTION
DET	DETAIL
DF	DIRECT FIXATION
DG	DIESEL GAS OR DRY GAS
DI	DUCTILE IRON, DROP INLET
DIA OR/O	DIAMETER
DIAG	DIAGRAM
DIM	DIMENSION

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DESIGNED BY	J. GONZALEZ
DRAWN BY	B. EUN LLOVET
CHECKED BY	G. THOMPSON
APPROVED BY	A. SOKOL
DATE	7/22/2022



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



SUBMITTED: _____	APPROVED: _____
<small>PROJECT MANAGER</small>	

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING

ABBREVIATIONS, SYMBOLS, AND GENERAL NOTES
SHEET 1 OF 4

CONTRACT NO.	AE63445001
DRAWING NO.	TG-001
REVISION	SHEET NO.
SCALE	NO SCALE

ABBREVIATIONS

DIP(L) DUCTILE IRON PIPE (LINED) DIST DISTRICT OR DISTANCE DMD DIAMOND DMH DRAINAGE MANHOLE DML DEMOLITION DN DOWN DW DOMESTIC WATER DWG DRAWING DWL DOWEL DWLG DOWELLING DWY DRIVEWAY E EAST, ELECTRIC EA EACH EB EASTBOUND EC END CURVE ECR END CURB RETURN E/E EAST OF EAST RIGHT-OF-WAY LINE EF EACH FACE EHH ELECTRICAL HANDHOLE EL ELEVATION ELEC ELECTRIC OR ELECTRICAL ELECT ELECTRIC (REF) ELEV ELEVATOR OR ELEVATION EMB EMBANKMENT EMH ELECTRICAL MANHOLE E/O EAST OF EOR END OF ROAD EP EDGE OF PAVEMENT OR END PLATFORM EQ EQUAL, EQUATION OR EQUALITY ES EXTRA STRENGTH ET END TRACK ETC ET CETERA ETS EMERGENCY TRIP STATION EW EACH WAY E/W EAST OF WEST RIGHT-OF-WAY LINE EX OR EXIST EXISTING EXP EXPANSION EXT EXTERIOR F FIBER FA FIRE ALARM FAC FIRE ALARM CONDUIT FAI FRESH AIR INTAKE FB FIRE ALARM BOX FBM FOOT BOARD MEASUREMENT FBP FUTURE BEGIN PLATFORM FC FIBER CONDUIT OR FIRE CONNECTION FD FIBER DUCT, FLOOR DRAIN OR FIRE DEPARTMENT FDN FOUNDATION FE FLANGED END FEP FUTURE END PLATFORM FF FINISHED FLOOR OR FAR FACE FFE FINISH FLOOR ELEVATION FG FROG GAUGE PLATE OR FINISH GRADE FH FIRE HYDRANT FIN FINISH FL FLOW LINE, FUEL FLG FLANGE FLP FLOW LINE PIPE FLR FLOOR FP FIRE PROTECTION FPS FEET PER SECOND FR FRAME FS FIRE SERVICE, FINISHED SURFACE, OR FAR SIDE FT FOOT OR FEET F TO F FACE TO FACE	FWL FIRE WATER LINE FWY FREEWAY GA GAUGE (GAGE) GALV GALVANIZE OR GALVANIZED GAL(S) GALLON(S) GASO GASOLINE GB GRADE BREAK GIP GALVANIZED IRON PIPE GM GAS METER GND GROUND GP GENERAL PACKAGE, GAUGE PLATE OR GRADING PLAN GR GRADE, GROUND OR GUARD RAIL PLATE GRS GALVANIZED RIGID STEEL GSC GALVANIZED STEEL CONDUIT GV GATE VALVE GW GUY WIRE H HIGH PRESSURE HAP HORIZONTAL ANGLE POINT HB HOSE BIB HC SANITARY SEWER HOUSE CONNECTION HF HEEL OF FROG HGL HYDRAULIC GRADE LINE HH HANDHOLE HL HEEL LENGTH HMWPE HIGH MOLECULAR WEIGHT POLYETHYLENE HORIZ HORIZONTAL HOV HIGH OCCUPANCY VEHICLE HP HORSE POWER, HEEL PLATE OR HIGH POINT Hp HORSEPOWER HR HEADROOM OR HOUR HS HIGH STRENGTH STEEL ASTM 432 HWY HIGHWAY ID INSIDE DIAMETER IFS ICONIC FREEWAY STRUCTURE IJ INSULATED JOINT IN INCH OR INCHES INV INVERT IP IRON PIPE JS JUNCTION STRUCTURE JT JOINT K KIP OR KIPS KF KIP-FOOT KLF KIPS PER LINEAR FOOT KSF KIPS PER SQUARE FOOT KV KILOVOLT L LINE, LINING, OR LENGTH LAT LATERAL LBS OR # POUND(S) LB-LA RTP LONG BEACH-LOS ANGELES RAPID TRANSIT PROJECT (METRO BLUE LINE) LD LEAD LF LINEAR FOOT (FEET) LG LONG OR LENGTH LGT LIGHT (REF) LH LEFT HAND LIN FT LINEAR FEET LJ LEADED JOINT LOC LOCATE, LOCATED, OR LOCATION LOL LAYOUT LINE	LP LOW PRESSURE OR LOW POINT LPT LOW POINT LRT LIGHT RAIL TRANSIT LT LEFT LTG LIGHTING M MAIN, MEDIUM PRESSURE MACH MACHINE OR MACHINERY MAG MAGNESIUM OR MAGNETIC MAINT MAINTENANCE MAX MAXIMUM MBL METRO BLUE LINE MCD MULTIPLE CONCRETE, CRESOTE DUCT MCWD MULTIPLE CREOSOTED WOOD DUCTS MECH MECHANICAL MGL METRO GREEN LINE MH MANHOLE MIN MINIMUM, MINUTES MISC MISCELLANEOUS MJ MECHANICAL JOINT ML MORTAR LINED ML & C MORTAR LINED & COATED MON MONUMENT MPH MILES PER HOUR MRL METRO RED LINE MTC MULTI-TILE CONDUIT MTD MULTI-TILE DUCT MUP MIXED USE PATH N NORTH N/A NOT APPLICABLE NB NORTHBOUND NF NEAR FACE NIC or N.I.C. NOT IN CONTRACT N/N NORTH OF NORTH RIGHT-OF-WAY LINE N/O NORTH OF NO. OR # NUMBER NRC NON-REVENUE CONNECTOR NRCP NON-REINFORCED CONCRETE PIPE NS NEAR SIDE N/S NORTH OF SOUTH RIGHT-OF-WAY LINE NTS NOT TO SCALE OC ON CENTER(S) OR OVERCROSSING OCS OVERHEAD CONTACT SYSTEM OD OUTSIDE DIAMETER OFC ORANGEBURG FIBER CONDUIT OG ORIGINAL GROUND OH OVERHEAD OPP OPPOSITE ORL ORNAMENTAL LIGHTING OTM OTHER TRACK MATERIAL P PIPE PA POLICE ALARM OR PUBLIC ADDRESS PB PULL BOX PCC PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVATURE PCCP PRE-STRESSED CONCRETE CYLINDER PIPE PCL PRIMARY CONTROL LINE PCS PIECES PD PAPER DUCT PE POLYETHYLENE OR PLAIN END, PLASTIC PIPE PED PEDESTRIAN PEM POLYETHYLENE MAIN, PLASTIC PIPE MEDIUM PRESSURE	PF POINT OF FROG PGL PROFILE GRADE LINE PIP PROTECT-IN-PLACE PITO POINT OF INTERSECTION OF TURNOUT PIV POST INDICATOR VALVE PL OR P PLATE PLD PROPERTY LINE PLD PLASTIC DUCT PLT PLASTIC TILE PM PARKING METER, PLASTIC PIPE MEDIUM PRESSURE PO PUSH-ON JOINT POB POINT OF BEGINNING POC POINT OF CONNECTION POL POLICE PP POWER POLE OR PAPER PIPE PPD PAPER PIPE DUCT PROD PRODUCT PROP PROPERTY OR PROPOSED PS POINT OF SWITCH PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PSP PAINT SHOP PT(S) POINT(S) PUM, PXM PLASTIC PIPE, MEDIUM PRESSURE PV PLUG VALVE PVC POINT OF VERTICAL CURVE PVCC POLYVINYL CHLORIDE CONDUIT PVCP POLYVINYL CHLORIDE PIPE PVI POINT OF VERTICAL INTERSECTION PVT POINT OF VERTICAL TANGENT PVMT PAVEMENT PWR POWER QTY QUANTITY QUAD QUADRANT R RADIUS RBM RAILBOUND MANGANESE RCB REINFORCED CONCRETE BOX (CULVERT) RCP REINFORCED CONCRETE PIPE RD ROAD RECT RECTANGLE OR RECTIFIER REF REFERENCE REINF REINFORCE, REINFORCED, OR REINFORCEMENT REQD REQUIRED OR REQUIRE RET RETAINING RET W RETAINING WALL REV REVISE, REVISED, OR REVISION RGS RIGID GALVANIZED STEEL RH RIGHT HAND ROW RIGHT OF WAY RR RAILROAD RT RIGHT RTP RAIL TRANSIT PROJECT RY RAILWAY R/W RIGHT-OF-WAY S SOUTH, SLOPE, OR SIGN SA SERVICE AISLE SB SOUTHBOUND OR SPLICE BOX SCC STEEL CYLINDER CONCRETE (PIPE) SCL SECONDARY CONTROL LINE SCRRA SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY SCWD SINGLE CREOSOTED WOOD DUCT SD STORM DRAIN SDMH STORM DRAIN MANHOLE SEC SECONDS SECT SECTION
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NOT FOR CONSTRUCTION	INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.	DESIGNED BY J. GONZALEZ DRAWN BY B. EUN LLOVET CHECKED BY G. THOMPSON APPROVED BY A. SOKOL DATE 7/22/2022	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY 	METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING ABBREVIATIONS, SYMBOLS, AND GENERAL NOTES SHEET 2 OF 4	CONTRACT NO. AE63445001 DRAWING NO. TG-002 REVISION SHEET NO. SCALE NO SCALE
	SUBMITTED: _____ PROJECT MANAGER APPROVED: _____				

ABBREVIATIONS

SFP	SITE FINISH PLAN	TS	TRAFFIC SIGNAL
SG	SUB GRADE	TSC	TRAFFIC SIGNAL CONDUIT
SHT	SHEET	TSCB	TRAFFIC SIGNAL CONTROL BOX
SIG	SIGNAL	TSPB	TRAFFIC SIGNAL PULLBOX
SIM	SIMILAR	TV	TELEVISION
SIP	SUPPORT IN PLACE	TVCC	TRANSPORTED VITRIFIED CLAY CONDUIT
SL	STREET LIGHT	TVM	TICKET VENDING MACHINE
SLC	STREET LIGHT CONDUIT	T/W	TOP OF WALL
SLPB	STREET LIGHT PULL BOX	TYP	TYPICAL
SMH	SEWER MANHOLE		
S/N	SOUTH OF NORTH RIGHT-OF-WAY LINE	UC	UNDERCROSSING OR UNDER CONSTRUCTION
SP	SPACE, SPACING, OR SITE PLAN	UD	UNDERDRAIN
SPEC	SPECIFICATION(S) (REF)	UG	UNDERGROUND
SPR	SPRINKLER	UNK	UNKNOWN
SQ	SQUARE	UP	UNDERPASS OR COMBINATION POWER/TELEPHONE POLE
S/S	SOUTH OF SOUTH RIGHT-OF-WAY LINE	UPRR	UNION PACIFIC RAILROAD
SS	SANITARY SEWER OR STOP SIGN	UPE	UNDER PLATFORM EXHAUST
SSD	SANDSTONE CEMENT DUCT	UNO	UNLESS NOTED OTHERWISE
SSMH	SANITARY SEWER MANHOLE		
ST	STREET	V	VALVE, RATE OF SPEED, OR DESIGN SPEED
STA	STATION	VAC	VACUUM
STD	STANDARD OR SEWER TILED DUCT	VAP	VERTICAL ANGLE POINT
STL	STEEL	VAR	VARIES OR VARIABLE
STM	STEAM	VCC	VITRIFIED CLAY CONDUIT
STOR	STORAGE	VCD	VITRIFIED CLAY DUCT
STP	STEEL PIPE	VCP	VITRIFIED CLAY PIPE
STR	STRAIGHT	VCP(ES)	VITRIFIED CLAY PIPE (EXTRA STRENGTH)
STRUCT	STRUCTURE	VCT	VITRIFIED CLAY TILE
STY	STYRENE	VERT	VERTICAL
SUB	SUBMITTED	VL	VAULT
SUPV	SUPERVISE OR SUPERVISOR		
SURF	SURFACE	W	WEST OR WATER
SW	SWITCH	W/	WITH
SWK	SIDEWALK	WB	WESTBOUND
SYM	SYMMETRICAL	WD	WATER DETECTOR
		W/E	WEST OF EAST RIGHT-OF-WAY LINE
TAN	TANGENT	WG	WHITE GAS
T & B	TOP AND BOTTOM	WHH	WATER HANDHOLE
TC	TILE CONDUIT, TOP OF CURB, TRACK CENTER, OR TRAIN ONTROL	WHSE	WAREHOUSE
		WI	WROUGHT IRON
TCC	TRAIN CONTROL/COMMUNICATIONS	WID	WIDTH
TCCB	TRAIN CONTROL/COMMUNICATIONS BUILDING	WIP	WROUGHT IRON PIPE
TCCR	TRAIN CONTROL/COMMUNICATIONS ROOM	WL	WATER LEVEL
TCPRJ	PROJECTED TOP OF CURB	WLN	WATER LINE
TD	TILE DUCT OR TILE DRAIN	WM	WATER METER
TEL, T	TELEPHONE	WMH	WATER MANHOLE
TELE	TELESCOPING	W/O	WITHOUT
TEMP	TEMPERATURE OR TEMPORARY	WP	WORKING POINT OR WORK POINT
TERM	TERMINAL	WSP	WELDED STEEL PIPE
TF	TOP OF FACE	WSP(L)	WELDED STEEL PIPE (CEMENT LINED)
TG	TOP OF GRADE, TOP OF GRATE, OR TELEGRAPH	WTR	WATER
THEO	THEORETICAL	WTW	WALL TO WALL
THK	THICK OR THICKNESS	WV	WATER VALVE
TL	TRAFFIC LIGHT OR TOE LENGTH	WW	WASTEWATER
TMH	TELEPHONE MANHOLE	W/W	WEST TO WEST RIGHT-OF-WAY LINE
TO	TURNOUT		
TOC	TOP OF CURB	X-DRAIN	CROSS DRAIN
TOP	TOP OF PIPE	X-ING	CROSSING
TOS	TOP OF SLOPE	X-MITER	TRANSMITTER
TP	POLICE TELEPHONE OR TRACTION POWER	X-OVER	CROSS OVER
TPS	TRACTION POWER SUBSTATION	X-SECT	CROSS SECTION
TPSS	TRACTION POWER SUPPLY SYSTEM		
T/LR	TOP OF LOW RAIL		
T/R	TOP OF RAIL		
TRD	TRANSIT DUCT		
TRK	TRACK		
TRPB	TRANSIT SHELTER PULLBOX		

SYMBOLS

AERIAL EASEMENT		CONCRETE CHANNEL	
ASPHALT CONCRETE PAVEMENT		CONSTRUCTION EASEMENT (TEMPORARY)	
AUTOMATIC GATE INTO PARKING AREA		CONTINUOUS WELDED RAIL	
BALLAST		CONTOUR LINES	
BARRICADE POSTS, BOLLARDS		CONTROL POINT OR STREET INTERSECTION POINT	
BASE COURSE		COORDINATE GRID CROSSHAIR	
BEGIN OR END PLATFORM		CURB	
BENCH MARK		CURB AND GUTTER	
BILLBOARD		CURVE NUMBER	
BLOCK WALL		CURVE POINT	
BORING & NUMBER		DEPRESSION	
BOX		DOUBLE CROSSOVER	
BREAK LINE		DRAINAGE DITCH OR SWALE	
BRIDGE		DRAINAGE INLET	
BUILDING		DRIVEWAY	
BUMPING POST		EDGE OF PAVEMENT	
BUMPING POST NUMBER		EARTH	
CANOPY		ELASTOMER	
CATCH BASIN (CURB OPENING)		ELEVATION (EXISTING)	
CATCH BASIN (GRATING)		EMBANKMENT OR SLOPE	
CENTERLINE		EXISTING GROUND LINE	
CLEANOUT		FENCE-CHAIN LINK OR OTHER	
COLUMN, BENT		FIRE HYDRANT	
CONCRETE		FLAGPOLE	
CONCRETE BARRIER		FLASHER	

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DESIGNED BY J. GONZALEZ
DRAWN BY B. EUN LLOVET
CHECKED BY G. THOMPSON
APPROVED BY A. SOKOL
DATE 7/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____	APPROVED: _____
PROJECT MANAGER	

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING

ABBREVIATIONS, SYMBOLS, AND GENERAL NOTES
SHEET 3 OF 4

CONTRACT NO. AE63445001	
DRAWING NO. TG-003	
REVISION	SHEET NO.
SCALE	NO SCALE

SYMBOLS

FOUNDATION OR RUIN		OVERHEAD WIRES AND CABLES		SOUNDWALL		UTILITY BOX	
GATE (PEDESTRIAN)		PALM TREE		SOUNDWALL / RETAINING WALL		UTILITY POLE	
GATE (RAILROAD)		PARKING SPACES		SPA		VALVE, VENT	
GATE (SWING)		PERFORATED SUBDRAIN		AREA WITHIN STREET ROW - USAGE TO BE DETERMINED IN NEXT DESIGN PHASE		WATER VALVE	
GUARD RAIL		PICTURE CENTER		SPOT ELEVATION		VALVE COVER	
GRAVEL		PI		STANDPIPE		VINEYARD	
GRAVEL OR DIRT ROAD		PVI		STATION EQUATION		WALL OR RETAINING WALL	
GROUND ROD		PITO OR PI NUMBER		STEEL		WELL	
GROUND ROD IN WELL		PLANTER		STREET LIGHT,TRAFFIC SIGNAL		WOOD	
GUY WIRE		POINT OF INTERSECTION OF TURNOUT (PITO)		STREET LIGHT(EXIST)		WORK POINT	
HANDICAPPED PARKING		POINT OF SWITCH (OR SWITCH MACHINE)		STREET LIGHT(PROPOSED)		TACTILE WARNING STRIP	
HEADSPAN		POINT OF SWITCH NUMBER		STREET SIGN			
HIGH VOLTAGE VAULT		POOL		SUBBALLAST			
HOSE BIB		POST WITH LIGHT & TRAFFIC LIGHT		SUBGRADE EARTH			
LANE LINES		PULL BOX		TANK			
LIMIT OF GRADING		RAILROAD TRACK		TIMBER			
LRT TCC SYSTEM HANDHOLE		RAILROAD TURN-OUT		TRACK CENTER LINE			
LRT TCC SYSTEM MANHOLE		RIDGE		TRACTION POWER MANHOLE			
MANHOLE		RIGHT-OF-WAY		TRACTION POWER SUBSTATION			
MANHOLE (EXIST)		SAND/CONC SURFACE		TRAFFIC CONDUIT			
MATCH LINE		SEWER, WATER OR GAS ENCASEMENT		TRAFFIC SIGNAL CONTROLLER			
METER BOX		SIDEWALK, CONCRETE		TRANSIT SIGNAL			
OCS POLE		SINGLE CROSSOVER		TREE			
OIL WELL		SHRUBBERY		TURNOUT WITH NUMBER INDICATED			
ORCHARD				UNDERDRAIN			
OVERHEAD SIGN							

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APPROVED BY A. SOKOL
DATE 12/9/2022

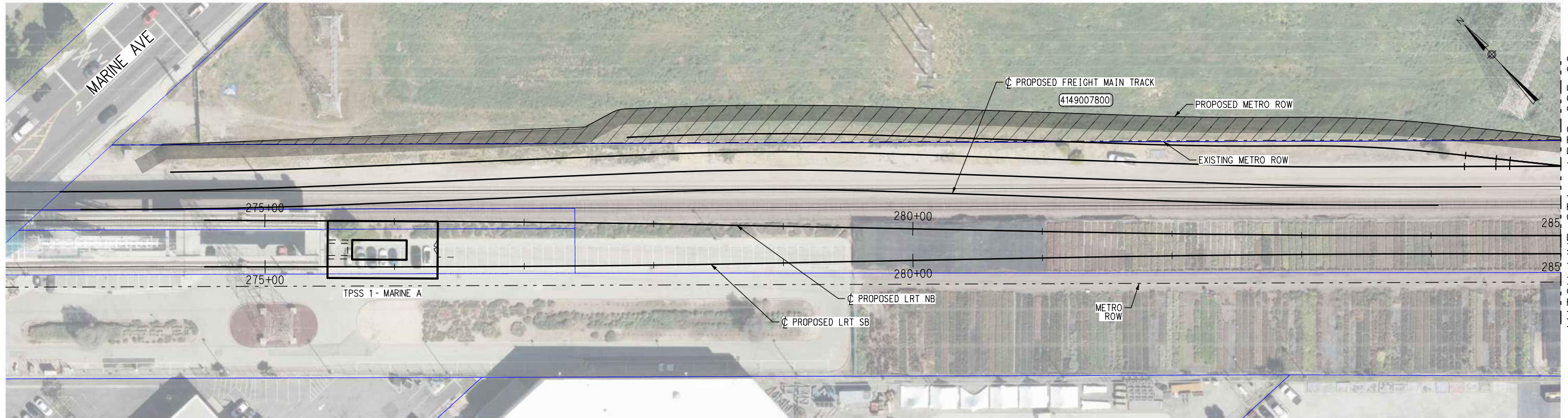
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____	APPROVED: _____
PROJECT MANAGER	

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING

ABBREVIATIONS, SYMBOLS, AND GENERAL NOTES
SHEET 4 OF 4

CONTRACT NO. AE63445001
DRAWING NO. TG-004
REVISION SHEET NO.
SCALE NO SCALE



MATCH LINE STA - LRTS 285+00
SEE DRAWING RW-102

ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING METRO RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY CONSTRUCTION EASEMENT
- PROPOSED METRO ROW CONVEYED TO BNSF

GENERAL NOTES:

1. PARCEL LINES AND DATA SHOWN ON THESE PLANS ARE COMPILED FROM PUBLIC SOURCES AND ARE SUBJECT TO VERIFICATION.
2. AUTHORITY (RAIL) RIGHT OF WAY WAS ACQUIRED BY LOS ANGELES METRO FROM BNSF VIA THE FOLLOWING DEEDS:
 - GRAND DEED: DOCUMENT NUMBER 93-1256121 RECORDED JUNE 30, 1993
 - QUITCLAIM DEED: DOCUMENT NUMBER 93-1256122 RECORDED JUNE 30, 1993
 THE LEGAL DESCRIPTIONS IN THE ABOVE DEEDS ARE SUBORDINATE TO THE DESCRIPTIONS IN THE ORIGINAL RAILROAD ACQUISITION AND DISPOSAL DOCUMENTS, WHICH WERE NOT EXAMINED.
3. PUBLIC RIGHT OF WAY AND PARCEL LINES ARE SHOWN FOR ILLUSTRATIVE PURPOSES BASED ON ASSESSORS MAPS.

PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
4149007800		SOCAL EDISON	133318	17970	115348	PARTIAL ACQUISITION FOR ACCESS ROAD			

DEFINITIONS:

1. ACQUISITION: TYPICALLY KNOWN AS "FULL FEE ACQUISITION" WHERE FEE INTEREST IS BEING ACQUIRED FOR LAND AND RIGHTS FOR AN ENTIRE PARCEL. INCLUDES CASES WHERE ACQUISITION OF AN ENTIRE PARCEL IS NOT ESSENTIAL BUT IS A PRACTICAL REQUIREMENT SINCE ANY PARCEL REMAINDER IS DETERMINED AS NOT VIABLE FOR USE ON ITS OWN.
2. PARTIAL ACQUISITION: TYPICALLY KNOWN AS "PARTIAL FEE ACQUISITION" AS ACQUISITION EXCEPT IT APPLIES TO ONLY A PORTION OF THE PROPERTY AND LEAVES THE REMAINDER OF A PARCEL WITH THE EXISTING OWNER.
3. PERMANENT EASEMENT: TYPICALLY KNOWN AS "PERMANENT EASEMENT ACQUISITION" AND APPLIES TO PROPERTY WHERE LIMITED RIGHTS ARE REQUIRED FOR PERPETUITY (FOR EXAMPLE, THE RIGHT TO CROSS OVER UNDER OR UPON, THE RIGHT TO INSTALL FACILITIES SUCH AS UTILITIES, THE RIGHT TO ENTER THE PROPERTY FOR CONSTRUCTION OR MAINTENANCE PURPOSES) AND THAT PERMITS CONCURRENT USE BY OTHERS WITH LEGAL INTEREST IN THE PARCEL. THE RIGHTS CONVEYED CAN BE DESCRIBED IN DETAIL IN THE EASEMENT DEED.
4. TEMPORARY EASEMENT: AS PERMANENT EASEMENT EXCEPT IT APPLIES TO PROPERTY WHERE LIMITED RIGHTS ARE REQUIRED FOR A TEMPORARY PERIOD.

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G. THOMPSON

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H. DADSETAN

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G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
Metro TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____

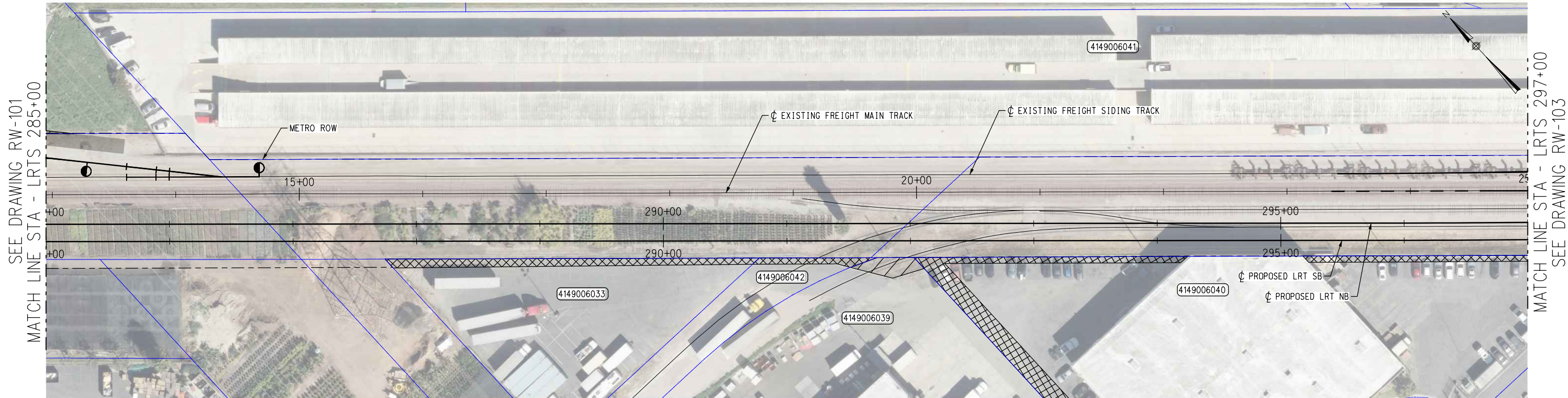
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - RIGHT OF WAY PLANS
LRTS 273+00 TO LRTS 285+00
SHEET 1 OF 21

CONTRACT NO. AE63445001	
DRAWING NO. RW-101	
REVISION	SHEET NO.
SCALE	AS SHOWN

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HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



SEE DRAWING RW-101
MATCH LINE STA - LRTS 285+00

MATCH LINE STA - LRTS 297+00
SEE DRAWING RW-103

ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING METRO RIGHT OF WAY BOUNDARY
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PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
4149006033		2501 SANTA FE CORPORATION	22936	1815	21121	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE	-	-	
4149006040		2551 SANTA FE AVENUE LLC	77717	6329	71388	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE	-	-	
4149006040		2551 SANTA FE AVENUE LLC	77717	1360	76357	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE	-	-	
4149006042		2501 SANTA FE CORPORATION	8358	482	7876	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE	-	-	
4149006039		2501 SANTA FE CORPORATION	129179	623	128556	PARTIAL ACQUISITION FOR SIGNAL HOUSING	-	-	

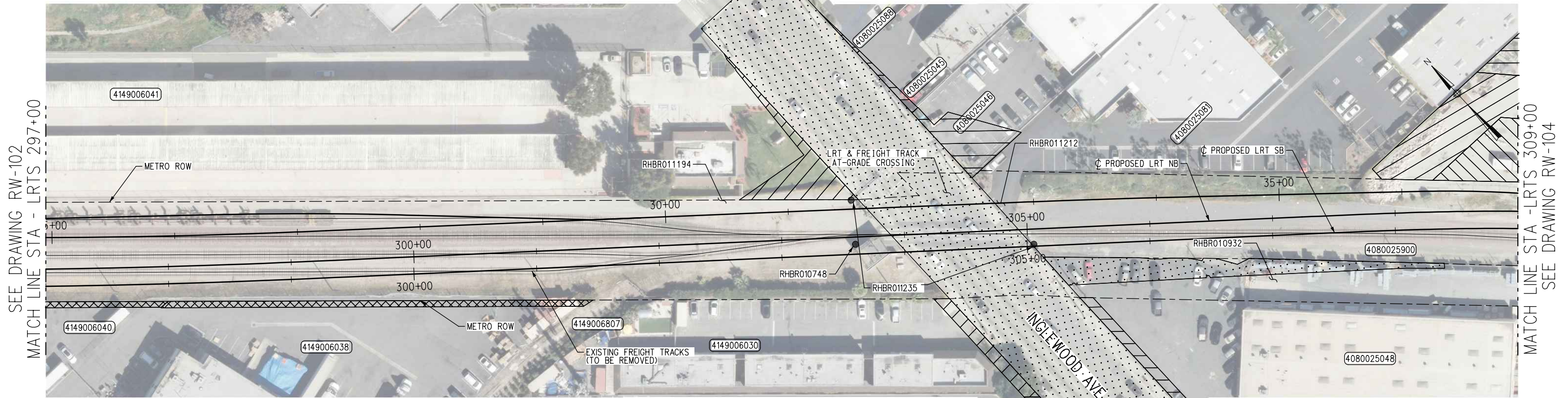
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HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



SEE DRAWING RW-102
MATCH LINE STA - LRTS 297+00

MATCH LINE STA - LRTS 309+00
SEE DRAWING RW-104

ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING METRO RIGHT OF WAY BOUNDARY
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			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
4149006040		2551 SANTA FE AVENUE LLC	77717	1112	76605	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE	-	-	
4149006030		LAVASSAR, WAYNE A	25058	1032	24026	PARTIAL ACQUISITION FOR GRADE CROSSING CONSTRUCTION & MAINTENANCE	-	-	
4149006026		CITY OF REDONDO BEACH	28844	1755	27089	PARTIAL ACQUISITION FOR GRADE CROSSING CONSTRUCTION & MAINTENANCE	-	-	
4149006025		K AND L REDONDO BEACH PTNSHP	16105	1265	14840	PARTIAL ACQUISITION FOR GRADE CROSSING CONSTRUCTION & MAINTENANCE	-	-	
TBD		INGLEWOOD AVE PUBLIC ROW		59680		TEMPORARY CONSTRUCTION EASEMENT FOR GRADE CROSSING INSTALLATION	-	-	
4080025048		TBD	55055	2911	52144	PARTIAL ACQUISITION FOR GRADE CROSSING CONSTRUCTION & MAINTENANCE	-	-	
4149006041		EXTRA SPACE PROPERTIES TWO LLC	205765	2468	203927	PARTIAL ACQUISITION FOR G.CROSSING CONSTRUCTION & MAINTENANCE ACCESS	-	-	
4080025088		G AND M GAPCO LLC	18702	60	18642	PARTIAL ACQUISITION FOR GRADE CROSSING CONSTRUCTION & MAINTENANCE	-	-	
4080025045		4738 WEST 156TH STREET LLC	33702	295	33407	PARTIAL ACQUISITION FOR GRADE CROSSING CONSTRUCTION & MAINTENANCE	-	-	
4080025046		MPT LLC	17609	543	17066	PARTIAL ACQUISITION FOR GRADE CROSSING CONSTRUCTION & MAINTENANCE	-	-	
4080025900		LA METRO	58741	5610	53131	TEMPORARY CONSTRUCTION EASEMENT	-	-	
4149006038		CRC INVESTMENTS	97967	1772	96195	PERMANENT EASEMENT FOR UTILITY RELOCATION	-	-	

LEASE CUSTOMER #	TITLE CODE	LEASE CUSTOMER	AREAS (sq feet or as noted)			LEASE USE	REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER			TYPE	DATE	DOC.#
RHBR011194		CENTURY INDUSTRIAL DEVELOPMENT				SITE FOR ROADWAY	MODIFIED	-	-	
RHBR010748		CBS OUTDOOR GROUP INC.		ENTIRE ITEM		ADVERTISING	MODIFIED	-	-	
RHBR011235		CALIFORNIA DEPT OF TRANSPORTATION				SIGNAL APPURTENANCES	MODIFIED	-	-	
RHBR011212		GLENDALE FWY BUSINESS CENTER, LLC		0		DRIVEWAY & PLANTER	TERMINATED	-	-	
RHBR010932		WESTWOOD BUILDING MATERIALS CO		4130		CAN CL60801 SITE STG BLDNG MATERIALS	MODIFIED	-	-	

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DESIGNED BY
G. THOMPSON

DRAWN BY
H. DADSETAN

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - RIGHT OF WAY PLANS
LRTS 297+00 TO LRTS 309+00
SHEET 3 OF 21

CONTRACT NO. AE63445001
DRAWING NO. RW-103

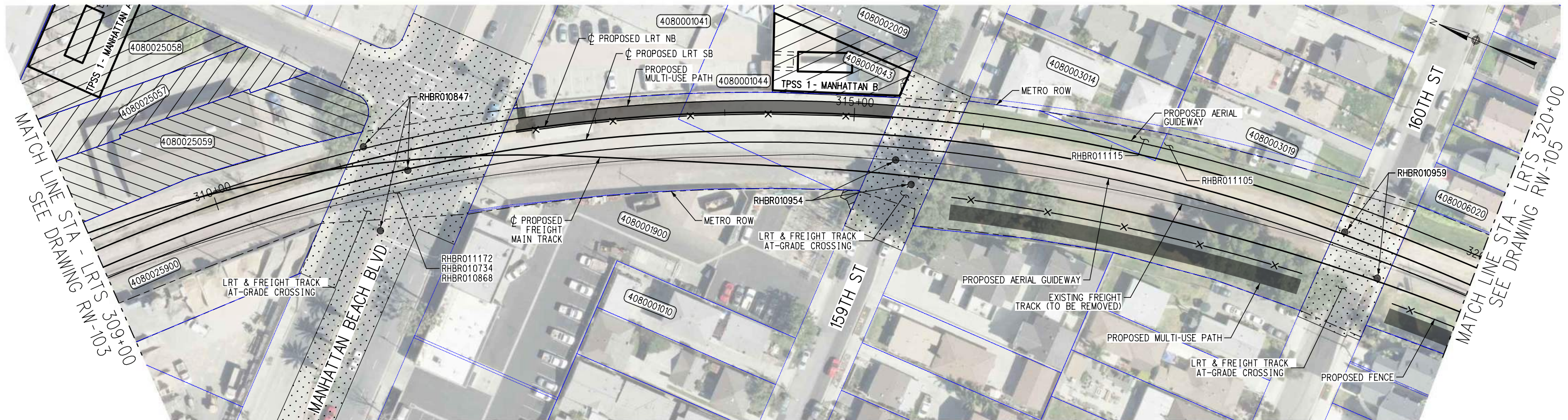
REVISION SHEET NO.

SCALE AS SHOWN

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HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



PLAN

ROW LEGEND

- PARCEL BOUNDARY
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			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
4080025900		METRO	58741	2182	56559	PARTIAL ACQUISITION FOR ALIGNMENT			
TBD		MANHATTAN BEACH BLVD PUBLIC ROW		27596		TEMPORARY CONSTRUCTION EASEMENT FOR GRADE CROSSING INSTALLATION			
4080001900		LAWDALE CITY	30852	119	30733	PARTIAL ACQUISITION FOR GRADE CROSSING CONSTRUCTION AND MAINTENANCE			
TBD		159TH ST PUBLIC ROW		6385		TEMPORARY CONSTRUCTION EASEMENT FOR GRADE CROSSING INSTALLATION			
TBD		160TH ST PUBLIC ROW		5426		TEMPORARY CONSTRUCTION EASEMENT FOR GRADE CROSSING INSTALLATION			
4080025057		HERBRANDSON, D D & C E TR	11096	11096	0	FULL ACQUISITION FOR TPSS AND PUMP STATION			
4080025058		HERBRANDSON, D D & C E TR	10389	10389	0	FULL ACQUISITION FOR TPSS AND PUMP STATION			
4080025059		HERBRANDSON, D D & C E TR	13863	13863	0	FULL ACQUISITION FOR PUMP STN, GRADE CROSSING AND MAINTENANCE			
4080001043		STEVE WARD & LARRY E JONES	5683	5683	0	FULL ACQUISITION FOR TPSS			

LEASE CUSTOMER #	TITLE CODE	LEASE CUSTOMER	AREAS (sq feet or as noted)			LEASE USE	REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER			TYPE	DATE	DOC.#
RHBR010734		LA COUNTY				SITE FOR STREET IMPROVEMENT	MODIFIED			
RHBR010868		CITY OF LAWDALE				PERMIT TO CONSTRUCT A SPUR TRCK	MODIFIED			
RHBR011105		STERLING, JIM				FENCING AND LANDSCAPING	MODIFIED			
RHBR011115		TARTAGALIA, FERNANDO				FENCE ENCROACHMENT	TERMINATED			
RHBR011172		CITY OF LAWDALE				PUBLIC ROADWAY	MODIFIED			
RHBR010847		CITY OF LAWDALE				SIGNAL APPURTENANCES	MODIFIED			
RHBR010959		CITY OF LAWDALE				SIGNAL APPURTENANCES	MODIFIED			
RHBR010954		CITY OF LAWDALE				SIGNAL APPURTENANCES	MODIFIED			

NOT FOR CONSTRUCTION

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DESIGNED BY
G. THOMPSON
DRAWN BY
H. DADSETAN
CHECKED BY
G. THOMPSON
APPROVED BY
A. SOKOL
DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
Metro
TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____

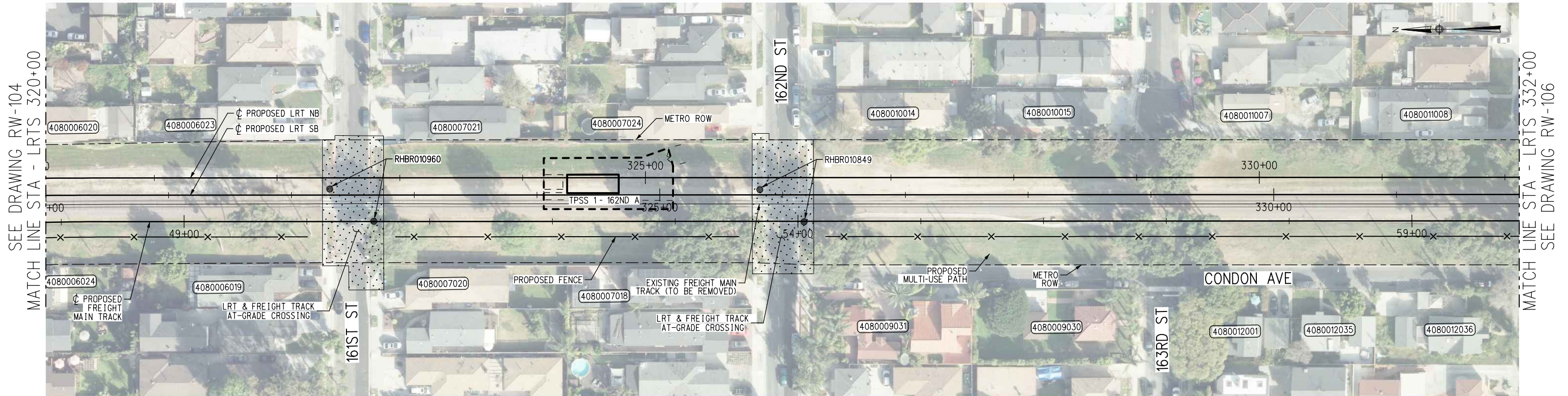
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - RIGHT OF WAY PLANS
LRTS 309+00 TO LRTS 320+00
SHEET 4 OF 21

CONTRACT NO. AE63445001
DRAWING NO. RW-104
REVISION SHEET NO.
SCALE AS SHOWN

12/23/2022 2:59:32 PM eunilobj I:\Projects\4020520\4020520_000\90_CAD Models and Sheets\04_CK_CK_Track_Rail\Sheet_Lines\ROW-Sheets\RW-104.sht

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



SEE DRAWING RW-104
MATCH LINE STA - LRTS 320+00

MATCH LINE STA - LRTS 332+00
SEE DRAWING RW-106

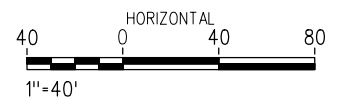
ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING METRO RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY CONSTRUCTION EASEMENT
- PROPOSED METRO ROW CONVEYED TO BNSF

GENERAL NOTES:

1. PARCEL LINES AND DATA SHOWN ON THESE PLANS ARE COMPILED FROM PUBLIC SOURCES AND ARE SUBJECT TO VERIFICATION.
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 - GRAND DEED: DOCUMENT NUMBER 93-1256121 RECORDED JUNE 30, 1993
 - QUITCLAIM DEED: DOCUMENT NUMBER 93-1256122 RECORDED JUNE 30, 1993
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PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
TBD		161ST ST PUBLIC ROW			5800	TEMPORARY CONSTRUCTION EASEMENT FOR GRADE CROSSING INSTALLATION		--	
TBD		162ND ST PUBLIC ROW			5520	TEMPORARY CONSTRUCTION EASEMENT FOR GRADE CROSSING INSTALLATION		--	

LEASE CUSTOMER #	TITLE CODE	LEASE CUSTOMER	AREAS (sq feet or as noted)			LEASE USE	REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER			TYPE	DATE	DOC.#
RHBR010960		LAWDALE, CITY OF				SIGNAL APPURTENANCES	MODIFIED			
RHBR010849		LAWDALE, CITY OF				SIGNAL APPURTENANCES	MODIFIED	--		

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A. SOKOL

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12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____

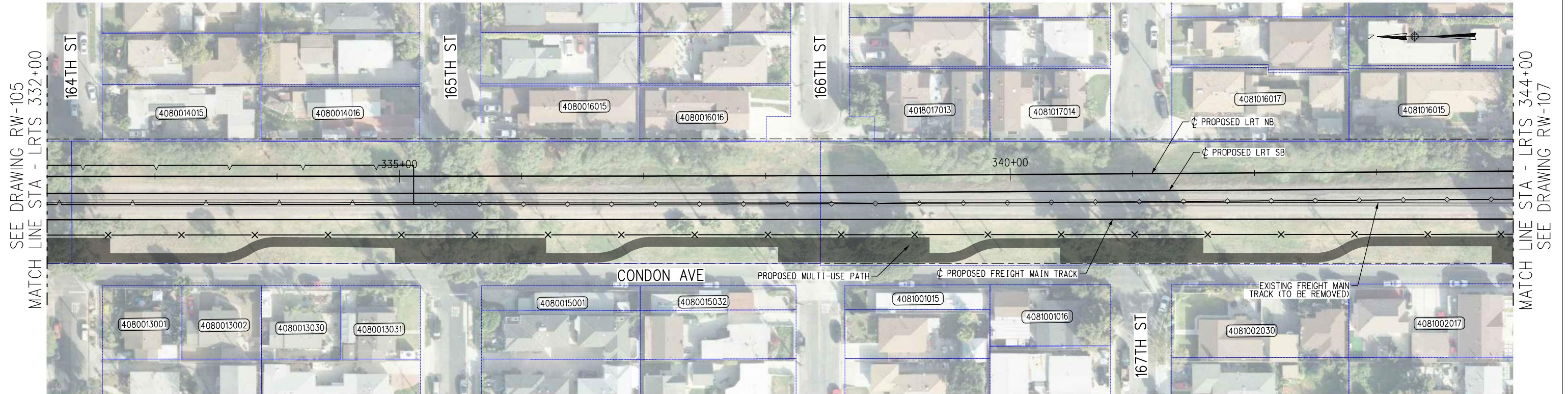
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - RIGHT OF WAY PLANS
LRTS 320+00 TO LRTS 332+00
SHEET 5 OF 21

CONTRACT NO. AE63445001	
DRAWING NO. RW-105	
REVISION	SHEET NO.
SCALE AS SHOWN	


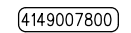
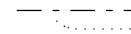
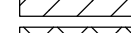
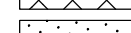
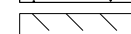

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HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



ROW LEGEND

-  PARCEL BOUNDARY
-  PARCEL NUMBER
-  EXISTING METRO RIGHT OF WAY BOUNDARY
-  PROPOSED ACQUISITION
-  PROPOSED PERMANENT EASEMENT
-  PROPOSED TEMPORARY CONSTRUCTION EASEMENT
-  PROPOSED METRO ROW CONVEYED TO BNSF

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3. PUBLIC RIGHT OF WAY AND PARCEL LINES ARE SHOWN FOR ILLUSTRATIVE PURPOSES BASED ON ASSESSORS MAPS.
4. UNLESS OTHERWISE SHOWN, LRT PROPOSALS ARE ENTIRELY INSIDE THE EXIST METRO RIGHT OF WAY.

PLAN




12/23/2022 2:59:41 PM e:\uilibj\Projects\4020520\4020520_000\90_CAD Models and Sheets\04_CK_Track_Rail_Sheet_L_Files\ROW_Sheets\RW-106.sht

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REV.	DATE	BY	SUB.	APP.

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DESIGNED BY G. THOMPSON
DRAWN BY H. DADSETAN
CHECKED BY G. THOMPSON
APPROVED BY A. SOKOL
DATE 12/9/2022



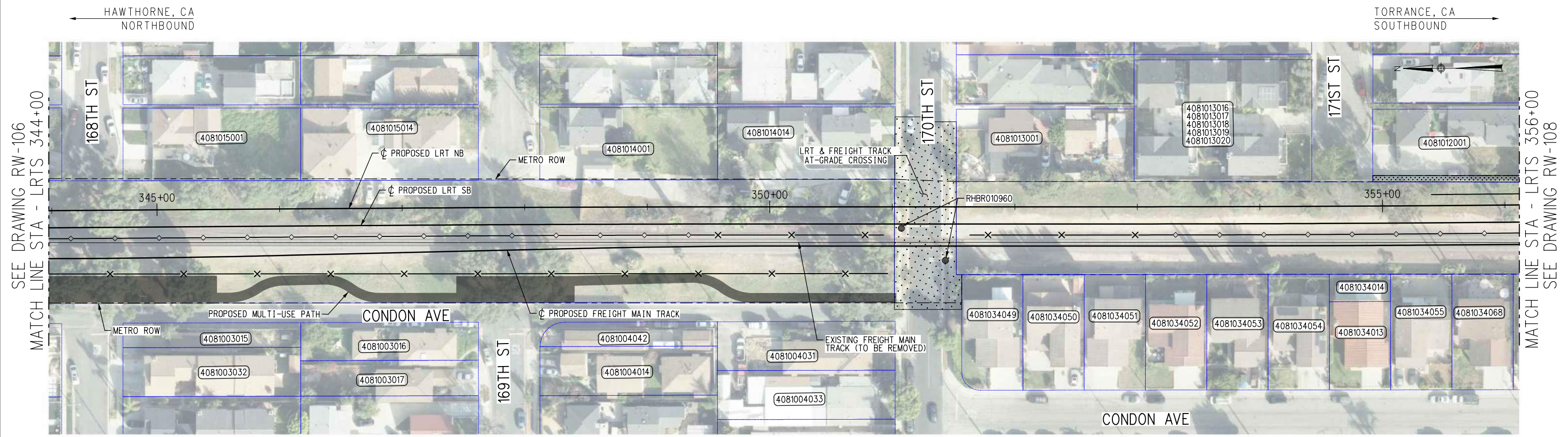
LOS ANGELES COUNTY
METROPOLITAN
Metro TRANSPORTATION AUTHORITY



SUBMITTED: _____	APPROVED: _____
<small>PROJECT MANAGER</small>	

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - RIGHT OF WAY PLANS
LRTS 332+00 TO LRTS 344+00
SHEET 6 OF 21

CONTRACT NO. AE63445001	
DRAWING NO. RW-106	
REVISION	SHEET NO.
SCALE	AS SHOWN



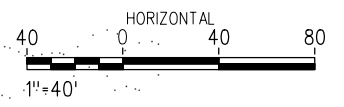
ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING METRO RIGHT OF WAY BOUNDARY
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- PROPOSED PERMANENT EASEMENT
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PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
TBD		170TH ST PUBLIC ROW			7961	TEMPORARY CONSTRUCTION EASEMENT FOR GRADE CROSSING INSTALLATION			
4081012001		170TH ST PUBLIC ROW	8600	764	7836	TEMPORARY CONSTRUCTION EASEMENT			

LEASE CUSTOMER #	TITLE CODE	LEASE CUSTOMER	AREAS (sq feet or as noted)			LEASE USE	REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER			TYPE	DATE	DOC.#
RHBR010960		LAWDALE, CITY OF				SIGNAL APPURTENANCES				

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DESIGNED BY
G. THOMPSON

DRAWN BY
H. DADSETAN

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - RIGHT OF WAY PLANS
LRTS 344+00 TO LRTS 356+00
SHEET 7 OF 21

CONTRACT NO. AE63445001	
DRAWING NO. RW-107	
REVISION	SHEET NO.
SCALE	AS SHOWN

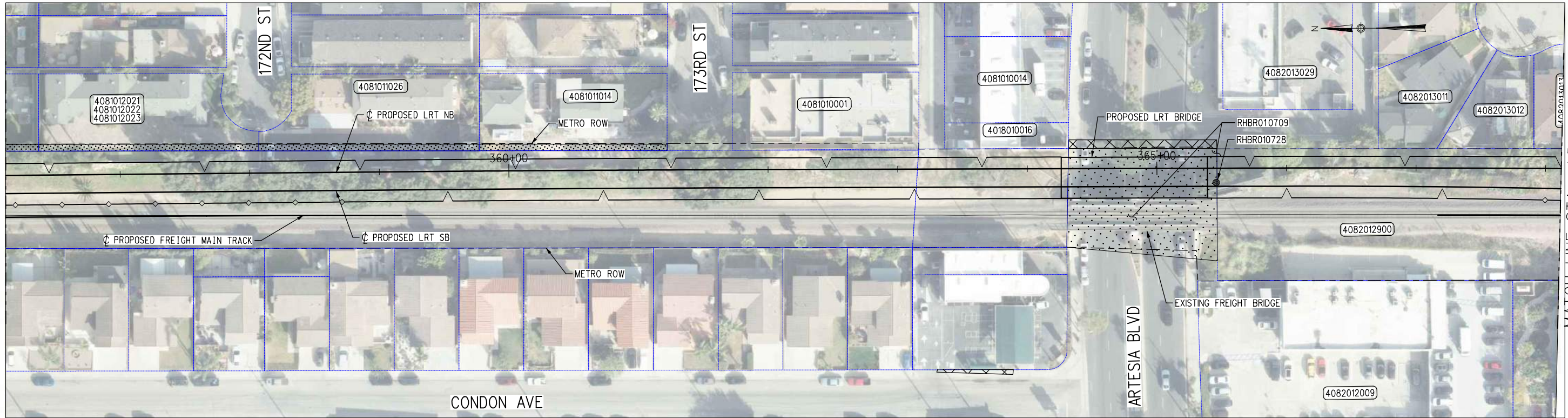
12/23/2022 2:59:45 PM eunillobj I:\Projects\4020520\4020520_000\90_CAD Models and Sheets\04_CK_Track_Rail\Sheet_Lines\ROW-Sheets\RW-107.sht

HAWTHORNE, CA
NORTHBOUND


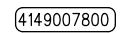
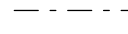
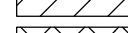
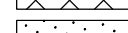
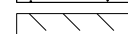
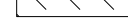
TORRANCE, CA
SOUTHBOUND

SEE DRAWING RW-107
MATCH LINE STA - LRTS 356+00

MATCH LINE STA - LRTS 368+00
SEE DRAWING RW-109



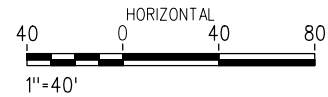
ROW LEGEND

-  PARCEL BOUNDARY
-  PARCEL NUMBER
-  EXISTING METRO RIGHT OF WAY BOUNDARY
-  PROPOSED ACQUISITION
-  PROPOSED PERMANENT EASEMENT
-  PROPOSED TEMPORARY CONSTRUCTION EASEMENT
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PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
TBD		ARTESIA BLVD PUBLIC ROW		760		PARTIAL ACQUISITION FOR BRIDGE CONSTRUCTION AND MAINTENANCE			
TBD		ARTESIA BLVD PUBLIC ROW		9385		TEMPORARY CONSTRUCTION EASEMENT FOR BRIDGE INSTALLATION			
4081012021 - 4081012023			8945	725	8220	TEMPORARY CONSTRUCTION EASEMENT			
4081011014			8061	725	79336	TEMPORARY CONSTRUCTION EASEMENT			
4081011026			9090	870	8220	TEMPORARY CONSTRUCTION EASEMENT			


LEASE CUSTOMER #	TITLE CODE	LEASE CUSTOMER	AREAS (sq feet or as noted)			LEASE USE	REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER			TYPE	DATE	DOC.#
RHBR010709		MARKS, WALTER N INC				TO CULTIVATE R/W LINES	MODIFIED			
RHBR010728		CBS OUTDOOR GROUP INC.				ADVERTISING	TERMINATED			

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G. THOMPSON
DRAWN BY
H. DADSETAN
CHECKED BY
G. THOMPSON
APPROVED BY
A. SOKOL
DATE
12/9/2022



LOS ANGELES COUNTY
METROPOLITAN
Metro TRANSPORTATION AUTHORITY



SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - RIGHT OF WAY PLANS
LRTS 356+00 TO LRTS 368+00
SHEET 8 OF 21

CONTRACT NO. AE63445001
DRAWING NO. RW-108
REVISION SHEET NO.
SCALE AS SHOWN

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING METRO RIGHT OF WAY BOUNDARY
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PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
TBD		GRANT AVE PUBLIC ROW		3779		TEMPORARY CONSTRUCTION EASEMENT FOR BRIDGE INSTALLATION	-	-	
4082016903		CITY OF REDONDO BEACH	12429	6316	6113	PARTIAL ACQUISITION FOR STATION ACCESS			
TBD		CITY OF REDONDO BEACH	TBD	5914	TBD	PARTIAL ACQUISITION FOR STATION ACCESS			
4082020802		SOUTHERN CALIFORNIA EDISON	85218	105	85113	PARTIAL ACQUISITION FOR STATION ACCESS			
4082020008		TARGET CORPORATION	293632	4919	288713	PARTIAL ACQUISITION FOR STATION ACCESS			

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DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

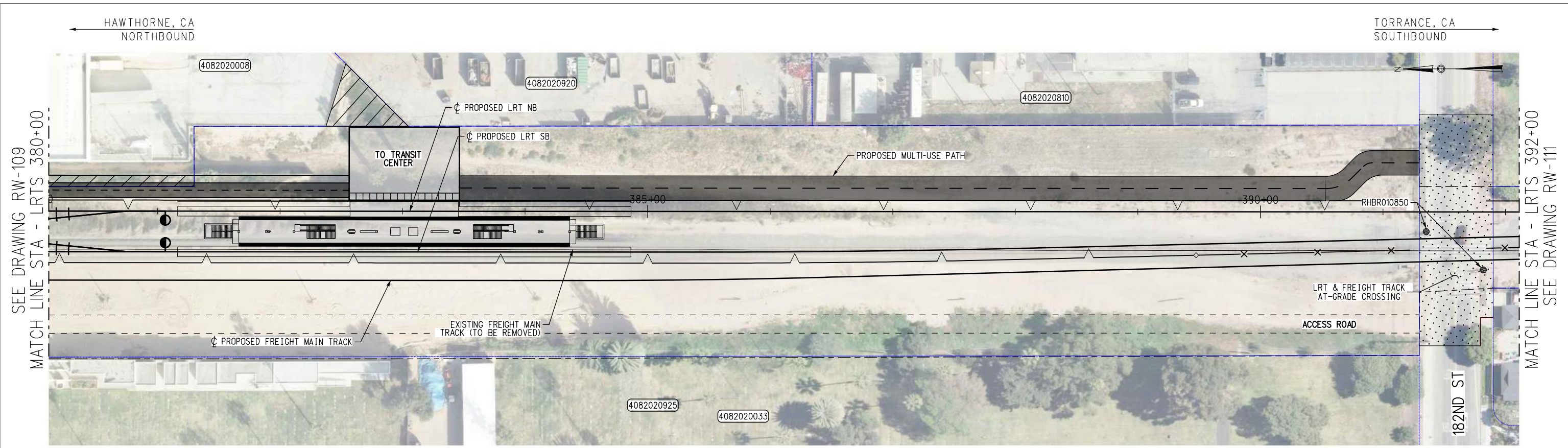
SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - RIGHT OF WAY PLANS
LRTS 368+00 TO LRTS 380+00
SHEET 9 OF 21

CONTRACT NO. AE63445001	
DRAWING NO. RW-109	
REVISION	SHEET NO.
SCALE	AS SHOWN



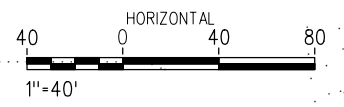
ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING METRO RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
- PROPOSED PERMANENT EASEMENT
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- PROPOSED METRO ROW CONVEYED TO BNSF

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PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC#
4082020008		TARGET CORPORATION	293632	1550	292082	PARTIAL ACQUISITION FOR STATION		--	
TBD		182ND ST PUB ROW		11156		TEMPORARY CONSTRUCTION EASEMENT FOR GRADE CROSSING INSTALLATION		--	

LEASE CUSTOMER #	TITLE CODE	LEASE CUSTOMER	AREAS (sq feet or as noted)			LEASE USE	REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER			TYPE	DATE	DOC#
RHBR010850		REDONDO BEACH, CITY OF				SIGNAL APPURTENANCES	MODIFIED		--	

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APPROVED BY
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DATE
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METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____

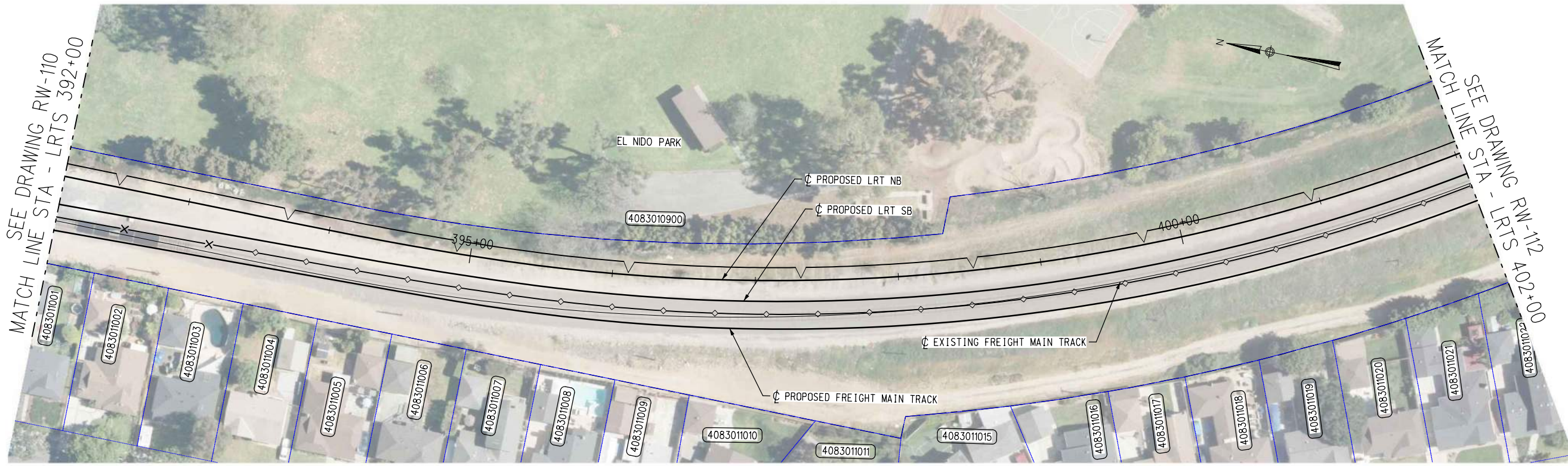
PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - RIGHT OF WAY PLANS
LRTS 380+00 TO LRTS 392+00
SHEET 10 OF 21

CONTRACT NO. AE63445001	
DRAWING NO. RW-110	
REVISION	SHEET NO.
SCALE	AS SHOWN

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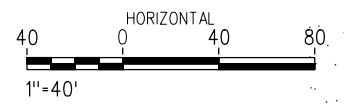
ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING METRO RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY CONSTRUCTION EASEMENT
- PROPOSED METRO ROW CONVEYED TO BNSF

GENERAL NOTES:

1. PARCEL LINES AND DATA SHOWN ON THESE PLANS ARE COMPILED FROM PUBLIC SOURCES AND ARE SUBJECT TO VERIFICATION.
2. AUTHORITY (RAIL) RIGHT OF WAY WAS ACQUIRED BY LOS ANGELES METRO FROM BNSF VIA THE FOLLOWING DEEDS:
 -GRAND DEED: DOCUMENT NUMBER 93-1256121 RECORDED JUNE 30, 1993
 -QUITCLAIM DEED: DOCUMENT NUMBER 93-1256122 RECORDED JUNE 30, 1993
 THE LEGAL DESCRIPTIONS IN THE ABOVE DEEDS ARE SUBORDINATE TO THE DESCRIPTIONS IN THE ORIGINAL RAILROAD ACQUISITION AND DISPOSAL DOCUMENTS, WHICH WERE NOT EXAMINED.
3. PUBLIC RIGHT OF WAY AND PARCEL LINES ARE SHOWN FOR ILLUSTRATIVE PURPOSES BASED ON ASSESSORS MAPS.
4. UNLESS OTHERWISE SHOWN, LRT PROPOSALS ARE ENTIRELY INSIDE THE EXIST METRO RIGHT OF WAY.

PLAN



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NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

INFORMATION CONFIDENTIAL:
All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.

DESIGNED BY G. THOMPSON
DRAWN BY H. DADSETAN
CHECKED BY G. THOMPSON
APPROVED BY A. SOKOL
DATE 12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

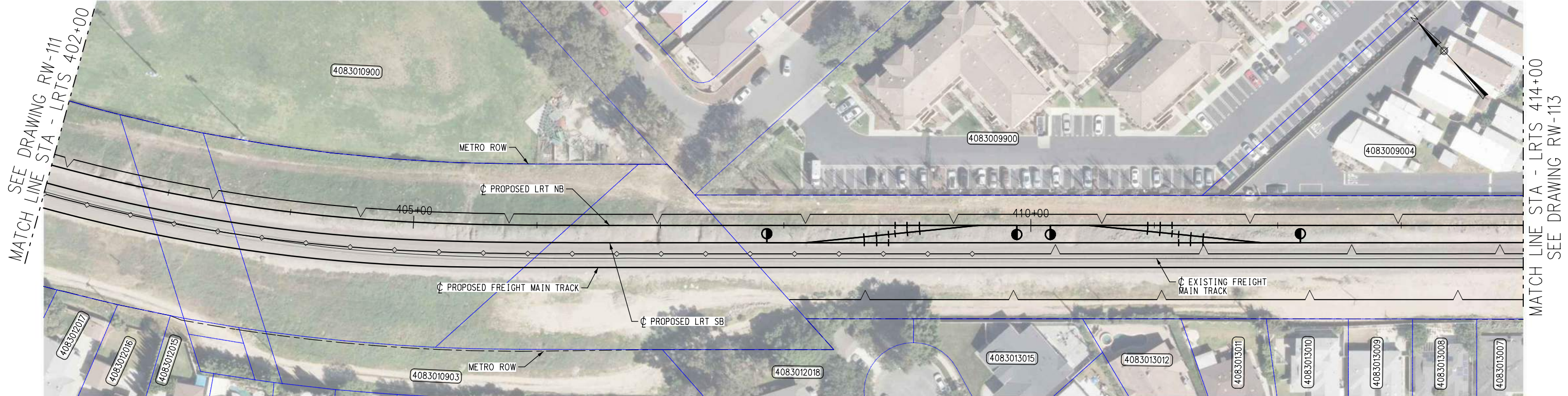
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - RIGHT OF WAY PLANS
LRTS 392+00 TO LRTS 402+00
SHEET 11 OF 21

CONCEPTUAL DESIGN	
CONTRACT NO. AE63445001	
DRAWING NO. RW-111	
REVISION	SHEET NO.
SCALE	AS SHOWN

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



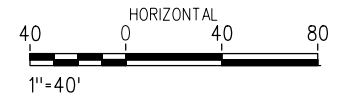
ROW LEGEND

	PARCEL BOUNDARY
	EXISTING METRO RIGHT OF WAY BOUNDARY
	PROPOSED ACQUISITION
	PROPOSED PERMANENT EASEMENT
	PROPOSED TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED METRO ROW CONVEYED TO BNSF
	PARCEL NUMBER

GENERAL NOTES:

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4. UNLESS OTHERWISE SHOWN, LRT PROPOSALS ARE ENTIRELY INSIDE THE EXIST METRO RIGHT OF WAY.

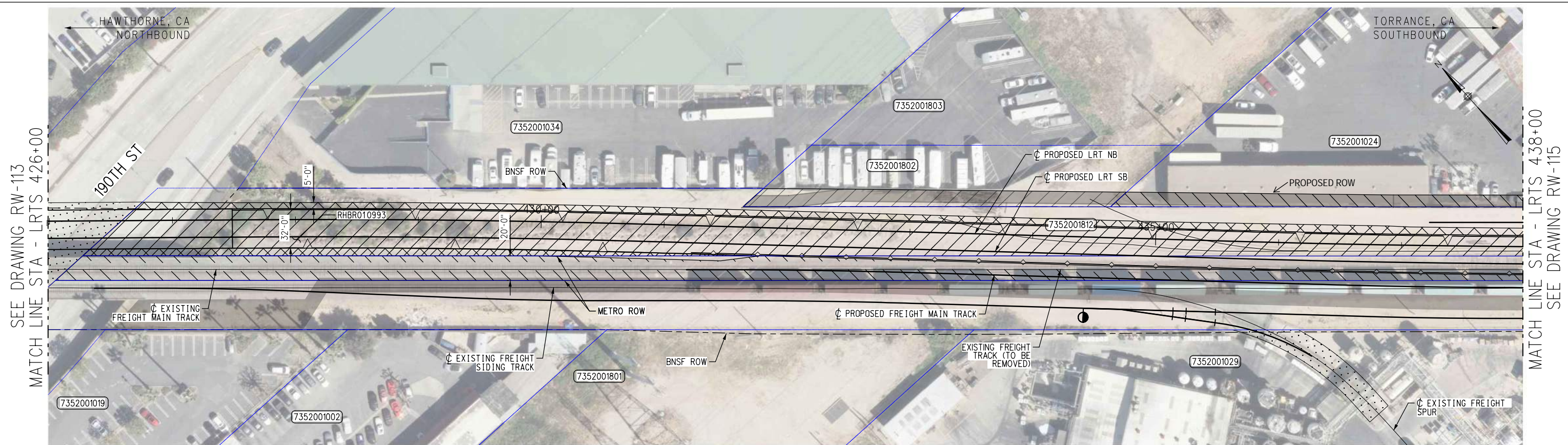
PLAN



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NOT FOR CONSTRUCTION

INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.		DESIGNED BY G. THOMPSON DRAWN BY H. DADSETAN CHECKED BY G. THOMPSON APPROVED BY A. SOKOL DATE 12/9/2022	LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROPOSED PROJECT - RIGHT OF WAY PLANS LRTS 402+00 TO LRTS 414+00 SHEET 12 OF 21	CONTRACT NO. AE63445001 DRAWING NO. RW-112 REVISION SHEET NO. SCALE AS SHOWN	
REV.	DATE	BY	SUB.	APP.	SUBMITTED: _____ PROJECT MANAGER	APPROVED: _____



SEE DRAWING RW-113
MATCH LINE STA - LRTS 426+00

MATCH LINE STA - LRTS 438+00
SEE DRAWING RW-115

ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING METRO RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY CONSTRUCTION EASEMENT
- PROPOSED METRO ROW CONVEYED TO BNSF

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PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
7352001812		BNSF	84464	43832	40632	PARTIAL ACQUISITION FOR ALIGNMENT	-	-	
7352001812		BNSF	84464	10093	74371	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE	-	-	
7352001029		HAGER PACIFIC ACQUISITIONS LLC	1239844	2282	1237562	TEMPORARY CONSTRUCTION EASEMENT FOR SPUR TRACK INSTALLATION	-	-	
TBD		LA METRO	38515	21300	17215	METRO ROW CONVEYED TO BNSF	-	-	
7352001812		BNSF	84464	2628	81836	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE	-	-	
7352001802		SOCAL EDISON SBE	14931	4012	10919	PARTIAL ACQUISITION FOR ACCESS ROAD	-	-	
7352001024		REXFORD INDUSTRIAL 4240 190TH LLC	504246	11707	492539	PARTIAL ACQUISITION FOR ACCESS ROAD	-	-	

LEASE CUSTOMER #	TITLE CODE	LEASE CUSTOMER	AREAS (sq feet or as noted)			LEASE USE	REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER			TYPE	DATE	DOC.#

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DESIGNED BY
G. THOMPSON

DRAWN BY
H. DADSETAN

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - RIGHT OF WAY PLANS
LRTS 426+00 TO LRTS 438+00
SHEET 14 OF 21

CONCEPTUAL DESIGN	
CONTRACT NO. AE63445001	
DRAWING NO. RW-114	
REVISION	SHEET NO.
SCALE	AS SHOWN

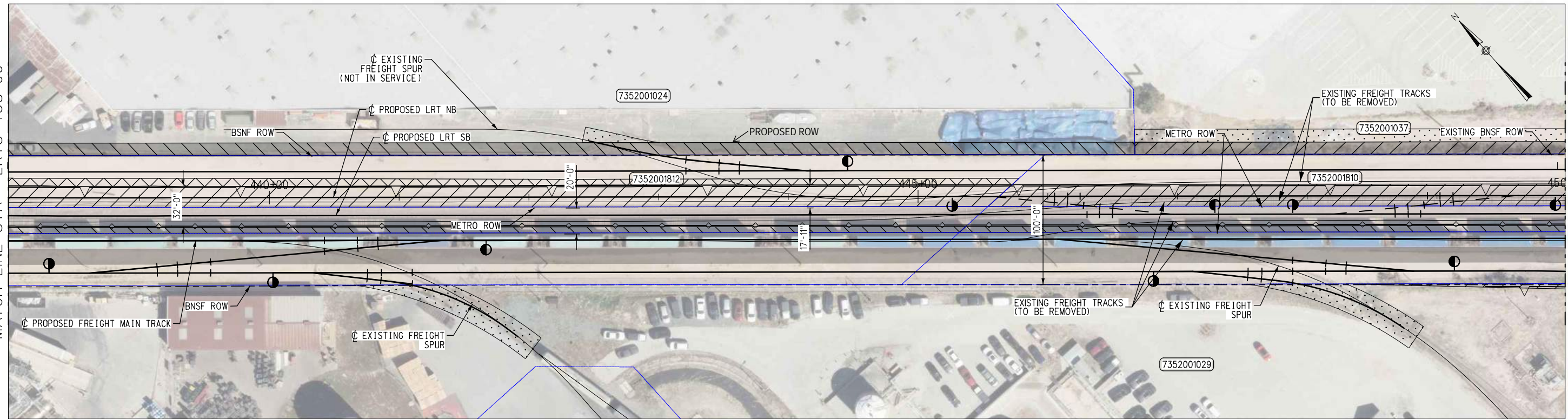
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HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND

SEE DRAWING RW-114
MATCH LINE STA - LRTS 438+00

MATCH LINE STA - LRTS 450+00
SEE DRAWING RW-116



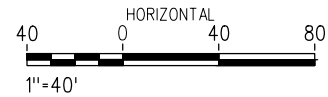
ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY CONSTRUCTION EASEMENT
- PROPOSED METRO ROW CONVEYED TO BNSF

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4. TEMPORARY EASEMENT FOR DEL AMO BRIDGE DECK REPLACEMENT SUBJECT TO AGREEMENT ON SITE ACCESS.

PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
7352001812		BNSF	84464	43832	40632	PARTIAL ACQUISITION FOR ALIGNMENT		--	
7352001812		BNSF	84464	10093	74371	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE		--	
7352001810		BNSF	40600	17562	23038	PARTIAL ACQUISITION FOR ALIGNMENT		--	
7352001024		REXFORD INDUSTRIAL 4240 190TH LLC	504246	1294	502952	TEMPORARY CONSTRUCTION EASEMENT FOR SPUR TRACK INSTALLATION		--	
7352001029		HAGER PACIFIC ACQUISITIONS LLC	1239844	4087	1235757	TEMPORARY CONSTRUCTION EASEMENT FOR SPUR TRACK INSTALLATION		--	
TBD		LA METRO	38515	21300	17215	METRO ROW CONVEYED TO BNSF		--	
TBD		LA METRO	21498	5355	16143	METRO ROW CONVEYED TO BNSF		--	
7352001024		REXFORD INDUSTRIAL 4240 190TH LLC	504246	11707	38719	PARTIAL ACQUISITION FOR ACCESS ROAD		--	
7352001037		KP TORRANCE PRAIRIE OWNER LLC	TBD	8443	TBD	PARTIAL ACQUISITION FOR ACCESS ROAD		--	
7352001037		KP TORRANCE PRAIRIE OWNER LLC	TBD	8993	TBD	TEMPORARY CONSTRUCTION EASEMENT FOR ACCESS ROAD		--	

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NOT FOR CONSTRUCTION

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DESIGNED BY
G. THOMPSON

DRAWN BY
H. DADSETAN

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
Metro TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - RIGHT OF WAY PLANS
LRTS 438+00 TO LRTS 450+00
SHEET 15 OF 21

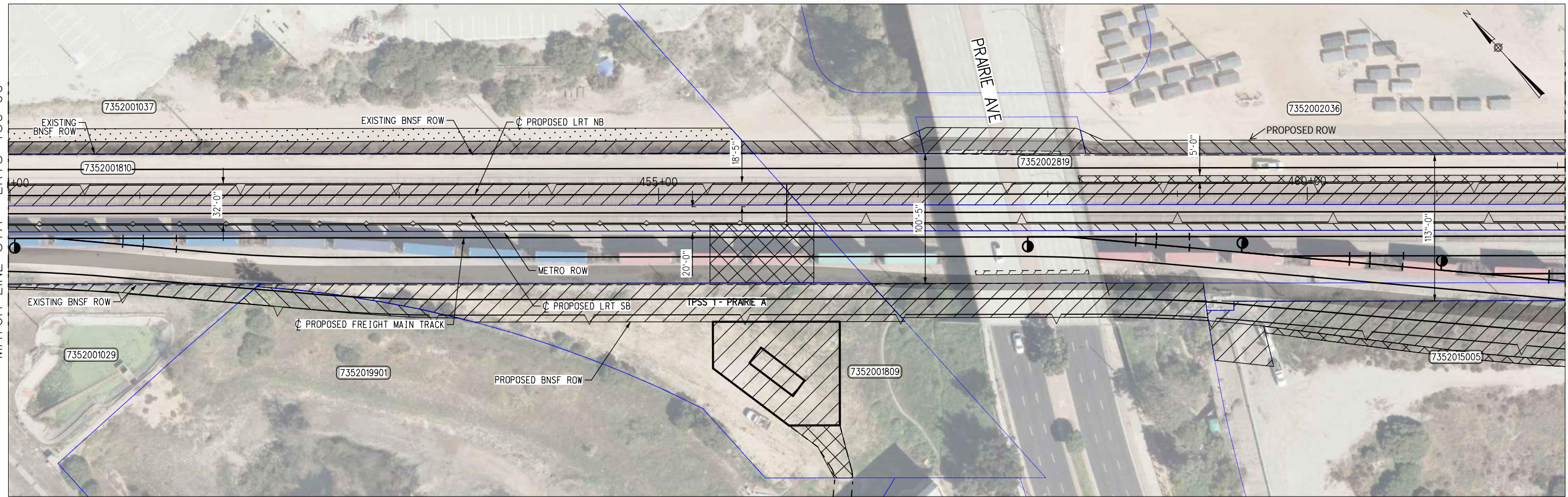
CONTRACT NO. AE63445001	
DRAWING NO. RW-115	
REVISION	SHEET NO.
SCALE	AS SHOWN

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND

SEE DRAWING RW-115
MATCH LINE STA - LRTS 450+00

MATCH LINE STA - LRTS 462+00
SEE DRAWING RW-117



ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY CONSTRUCTION EASEMENT
- PROPOSED METRO ROW CONVEYED TO BNSF

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PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
7352001810		BNSF	40600	17562	23038	PARTIAL ACQUISITION FOR ALIGNMENT	-	-	
7352002819		BNSF	119393	50149	69244	PARTIAL ACQUISITION FOR ALIGNMENT	-	-	
7352002819		BNSF	119393	14080	105313	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE	-	-	
7352015005		TORRANCE BLACK BEAUTY LLC	1270485	79792	1190693	PARTIAL ACQUISITION FOR BNSF SIDING TRACK	-	-	
TBD		LA METRO	21498	5355	16143	METRO ROW CONVEYED TO BNSF	-	-	
TBD		LA METRO	30225	8240	21985	METRO ROW CONVEYED TO BNSF	-	-	
TBD		BNSF	45428	3614	41814	PERMANENT EASEMENT FOR TPSS CONNECTIONS	-	-	
7352001809		CITY OF TORRANCE	127653	18282	109371	PARTIAL ACQUISITION FOR TPSS	-	-	
7352001809		CITY OF TORRANCE	127653	938	126715	PERMANENT EASEMENT ACCESS FOR TPSS	-	-	
7352001029		TBD	1239965	1913	1238052	PARTIAL ACQUISITION FOR ALIGNMENT	-	-	
7352019901		TBD	127643	1700	125943	PARTIAL ACQUISITION FOR ALIGNMENT	-	-	
7352015005		TBD	1270471	8645	1261826	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE	-	-	
7352001037		KP TORRANCE PRAIRIE OWNER LLC	TBD	8443	TBD	PARTIAL ACQUISITION FOR ACCESS ROAD	-	-	
7352001037		KP TORRANCE PRAIRIE OWNER LLC	TBD	8993	TBD	TEMPORARY CONSTRUCTION EASEMENT FOR ACCESS ROAD	-	-	
7352002036		CITY OF TORRANCE	22425659	13439	22412220	PARTIAL ACQUISITION FOR ACCESS ROAD	-	-	

LEASE CUSTOMER #	TITLE CODE	LEASE CUSTOMER	AREAS (sq feet or as noted)			LEASE USE	REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER			TYPE	DATE	DOC.#

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DESIGNED BY
G. THOMPSON

DRAWN BY
H. DADSETAN

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
Metro
TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - RIGHT OF WAY PLANS
LRTS 450+00 TO LRTS 462+00
SHEET 16 OF 21

CONTRACT NO. AE63445001	
DRAWING NO. RW-116	
REVISION	SHEET NO.
SCALE	AS SHOWN

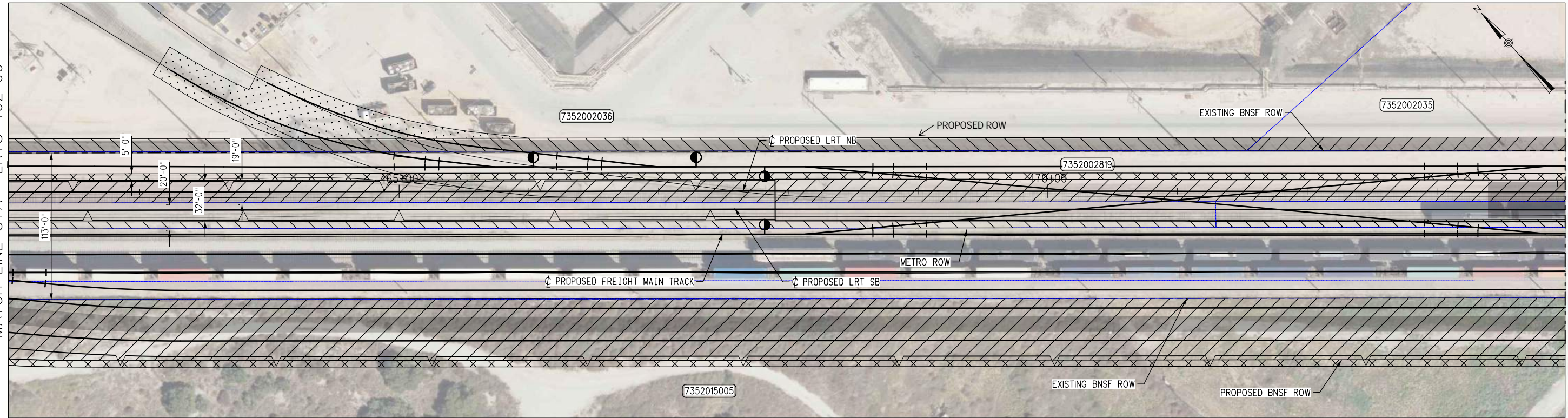
12/23/2022 5:00:32 PM eunlibj I:\Projects\4020520\4020520_000\90_CAD_Models_and_Sheets\04_CK_Track_Rail\Sheet_Lines\ROW_Sheets\RW-116.sht

HAWTHORNE, CA
NORTHBOUND


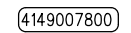
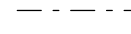
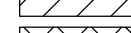
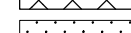
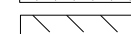

TORRANCE, CA
SOUTHBOUND

SEE DRAWING RW-116
MATCH LINE STA - LRTS 462+00

MATCH LINE STA - LRTS 474+00
SEE DRAWING RW-118



ROW LEGEND

-  PARCEL BOUNDARY
-  PARCEL NUMBER
-  EXISTING RIGHT OF WAY BOUNDARY
-  PROPOSED ACQUISITION
-  PROPOSED PERMANENT EASEMENT
-  PROPOSED TEMPORARY CONSTRUCTION EASEMENT
-  PROPOSED METRO ROW CONVEYED TO BNSF

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PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC#
7352002819		BNSF	119393	50149	69244	PARTIAL ACQUISITION FOR ALIGNMENT	-	-	
7352002819		BNSF	119393	14080	105313	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE	-	-	
7352002035		TORRANCE REFINING COMPANY LLC	6104690	11763	6092927	PARTIAL ACQUISITION FOR ACCESS ROAD	-	-	
7352002036		CITY OF TORRANCE	22425659	13439	22412220	PARTIAL ACQUISITION FOR ACCESS ROAD	-	-	
7352002036		CITY OF TORRANCE	22425659	6506	22419153	TEMPORARY CONSTRUCTION EASEMENT FOR SPUR TRACK INSTALLATION	-	-	
7352015005		TORRANCE BLACK BEAUTY LLC	1270485	79792	1190693	PARTIAL ACQUISITION FOR BNSF SIDING TRACK	-	-	
7352015005		TORRANCE BLACK BEAUTY LLC	1270485	8645	1261840	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE	-	-	
TBD		LA METRO	30225	8240	21985	METRO ROW CONVEYED TO BNSF	-	-	
TBD		LA METRO	29350	6581	22769	METRO ROW CONVEYED TO BNSF	-	-	

NOT FOR CONSTRUCTION

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DESIGNED BY
G. THOMPSON

DRAWN BY
H. DADSETAN


CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022



LOS ANGELES COUNTY
METROPOLITAN
Metro TRANSPORTATION AUTHORITY



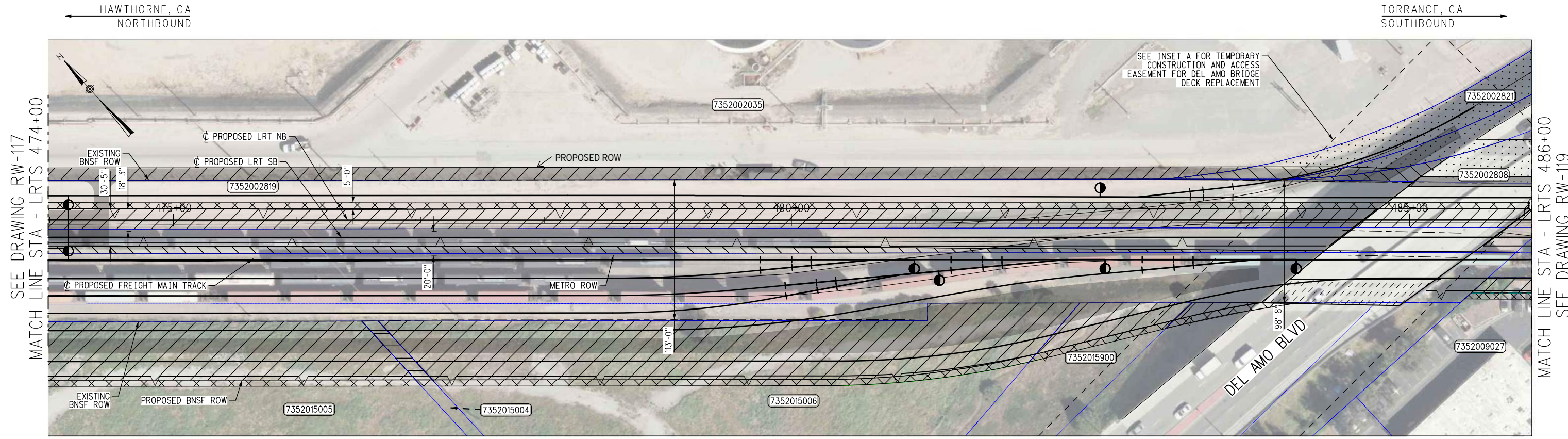
SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - RIGHT OF WAY PLANS
LRTS 462+00 TO LRTS 474+00
SHEET 17 OF 21

CONTRACT NO. AE63445001	
DRAWING NO. RW-117	
REVISION	SHEET NO.
SCALE	AS SHOWN

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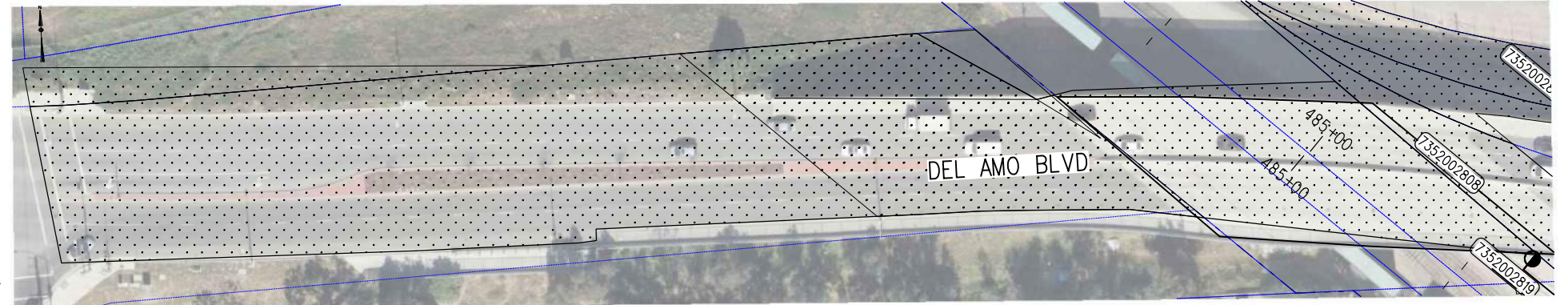
PLAN

ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY CONSTRUCTION EASEMENT
- PROPOSED METRO ROW CONVEYED TO BNSF

GENERAL NOTES:

2. AUTHORITY (RAIL) RIGHT OF WAY WAS ACQUIRED BY LOS ANGELES METRO FROM BNSF VIA THE FOLLOWING DEEDS:
 - GRAND DEED: DOCUMENT NUMBER 93-1256121 RECORDED JUNE 30, 1993
 - QUITCLAIM DEED: DOCUMENT NUMBER 93-1256122 RECORDED JUNE 30, 1993
 THE LEGAL DESCRIPTIONS IN THE ABOVE DEEDS ARE SUBORDINATE TO THE DESCRIPTIONS IN THE ORIGINAL RAILROAD ACQUISITION AND DISPOSAL DOCUMENTS, WHICH WERE NOT EXAMINED.
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4. TEMPORARY EASEMENT FOR DEL AMO BRIDGE DECK REPLACEMENT SUBJECT TO AGREEMENT ON SITE ACCESS.

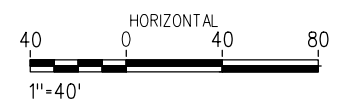


INSET A

GENERAL NOTES:

1. PARCEL LINES AND DATA SHOWN ON THESE PLANS ARE COMPILED FROM PUBLIC SOURCES AND ARE SUBJECT TO VERIFICATION.

PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	TYPE	RECORDATION		
			TOTAL	REQUIRED	REMAINDER			DATE	DOC.#	
7352002819		A T AND S F RAILWAY CO	119393	50149	69244	PARTIAL ACQUISITION FOR ALIGNMENT		-	-	
7352002819		A T AND S F RAILWAY CO	119393	14080	105313	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE		-	-	
7352002821		A T AND S F RAILWAY CO	18661	5671	12990	TEMPORARY CONSTRUCTION EASEMENT FOR SPUR TRACK INSTALLATION		-	-	
7352002808		A T AND S F RAILWAY CO	151113	4790	10323	TEMPORARY CONSTRUCTION EASEMENT FOR SPUR TRACK INSTALLATION		-	-	
7352002821		A T AND S F RAILWAY CO	18661	851	17810	PARTIAL ACQUISITION FOR ACCESS ROAD		-	-	
7352002808		A T AND S F RAILWAY CO	151113	703	14410	PARTIAL ACQUISITION FOR ACCESS ROAD		-	-	
7352002035		TORRANCE REFINING COMPANY LLC	6104690	11763	6092927	PARTIAL ACQUISITION FOR ACCESS ROAD		-	-	
7352015006		TORRANCE BLACK BEAUTY LLC	88367	25083	63284	PARTIAL ACQUISITION FOR ACCESS ROAD		-	-	
7352009027		TMT SOUTH BAY BUSINESS PARK INC	85976	6805	79171	PARTIAL ACQUISITION FOR ACCESS ROAD		-	-	
7352009027		TMT SOUTH BAY BUSINESS PARK INC	85976	2759	83217	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE		-	-	
7352015004		TORRANCE BLACK BEAUTY LLC	4285	646	3639	PARTIAL ACQUISITION FOR BNSF SIDING TRACK		-	-	
7352015004		TORRANCE BLACK BEAUTY LLC	4285	68	4217	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE		-	-	
7352015005		TORRANCE BLACK BEAUTY LLC	1270485	79792	1190693	PARTIAL ACQUISITION FOR BNSF SIDING TRACK		-	-	
7352015005		TORRANCE BLACK BEAUTY LLC	1270485	8645	1264840	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE		-	-	
7352015006		TORRANCE BLACK BEAUTY LLC	88365	2422	85943	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE		-	-	
7352015900		CITY OF TORRANCE	24379	2452	21927	PARTIAL ACQUISITION FOR BNSF SIDING TRACK		-	-	
ROADWAY		CITY OF TORRANCE	TBD	60344	TBD	TEMPORARY CONSTRUCTION EASEMENT FOR DEL AMO BRIDGE DECK REPLACEMENT		-	-	
TBD		LA METRO	29350	6581	22770	METRO ROW CONVEYED TO BNSF		-	-	
TBD		CITY OF TORRANCE		450		PERMANENT EASEMENT BELOW DEL AMO		-	-	



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INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.

DESIGNED BY: G. THOMPSON
DRAWN BY: H. DADSETAN
CHECKED BY: G. THOMPSON
APPROVED BY: A. SOKOL
DATE: 12/9/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

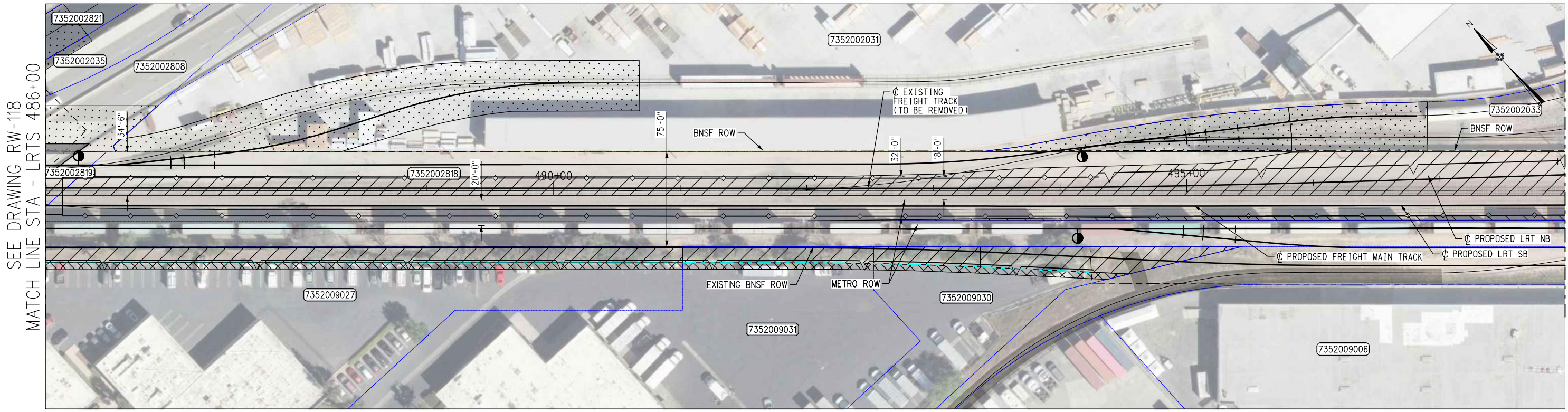
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - RIGHT OF WAY PLANS
LRTS 474+00 TO LRTS 486+00
SHEET 18 OF 21

CONTRACT NO. AE63445001
DRAWING NO. RW-118
REVISION SHEET NO.
SCALE AS SHOWN

NOT FOR CONSTRUCTION

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



SEE DRAWING RW-118
MATCH LINE STA - LRTS 486+00

MATCH LINE STA - LRTS 498+00
SEE DRAWING RW-120

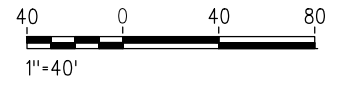
ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
- PROPOSED PERMANENT EASEMENT
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PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
7352002819		BNSF	119393		69244	PARTIAL ACQUISITION FOR ALIGNMENT	-	-	
7352002818		BNSF	100698	84508	16190	PARTIAL ACQUISITION FOR ALIGNMENT	-	-	
7352002821		BNSF	18661	5962	12699	TEMPORARY CONSTRUCTION EASEMENT FOR SPUR TRACK INSTALLATION	-	-	
7352002035		TORRANCE REFINING COMPANY LLC	6104690	2548	6102142	PERMANENT EASEMENT FOR BRIDGE INSTALLATION AND MAINTENANCE	-	-	
7352002808		A T AND S FRY CO	151113	5484	145629	TEMPORARY CONSTRUCTION EASEMENT FOR SPUR TRACK INSTALLATION	-	-	
7352002031		GANAHL LUMBER COMPANY	807461	16335	791126	TEMPORARY CONSTRUCTION EASEMENT FOR SPUR TRACK INSTALLATION	-	-	
7352002033		DOW CHEMICAL CO	976070	8744	967326	TEMPORARY CONSTRUCTION EASEMENT FOR SPUR TRACK INSTALLATION	-	-	
7352009027		TMT SOUTH BAY BUSINESS PARK INC	85976	6805	79171	PARTIAL ACQUISITION FOR BNSF SIDING TRACK	-	-	
7352009027		TMT SOUTH BAY BUSINESS PARK INC	85976	2759	83217	PERMANENT EASEMENT FOR CONSTRUCTION AND MAINTENANCE	-	-	
7352009031		TMT SOUTH BAY BUSINESS PARK INC	78779	1946	76833	PARTIAL ACQUISITION FOR BNSF SIDING TRACK	-	-	
7352009031		TMT SOUTH BAY BUSINESS PARK INC	78779	749	78030	PERMANENT EASEMENT FOR CONSTRUCTION AND MAINTENANCE	-	-	
7352009030		TMT SOUTH BAY BUSINESS PARK INC	99389	4421	94968	PARTIAL ACQUISITION FOR BNSF SIDING TRACK	-	-	
7352009030		TMT SOUTH BAY BUSINESS PARK INC	99389	966	98423	PERMANENT EASEMENT FOR CONSTRUCTION AND MAINTENANCE	-	-	
TBD		LA METRO	106451	21609	84842	METRO ROW CONVEYED TO BNSF	-	-	

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NOT FOR CONSTRUCTION

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DESIGNED BY
G. THOMPSON

DRAWN BY
H. DADSETAN

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
Metro
TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - RIGHT OF WAY PLANS
LRTS 486+00 TO LRTS 498+00
SHEET 19 OF 21

CONTRACT NO. AE63445001
DRAWING NO. RW-119

REVISION SHEET NO.

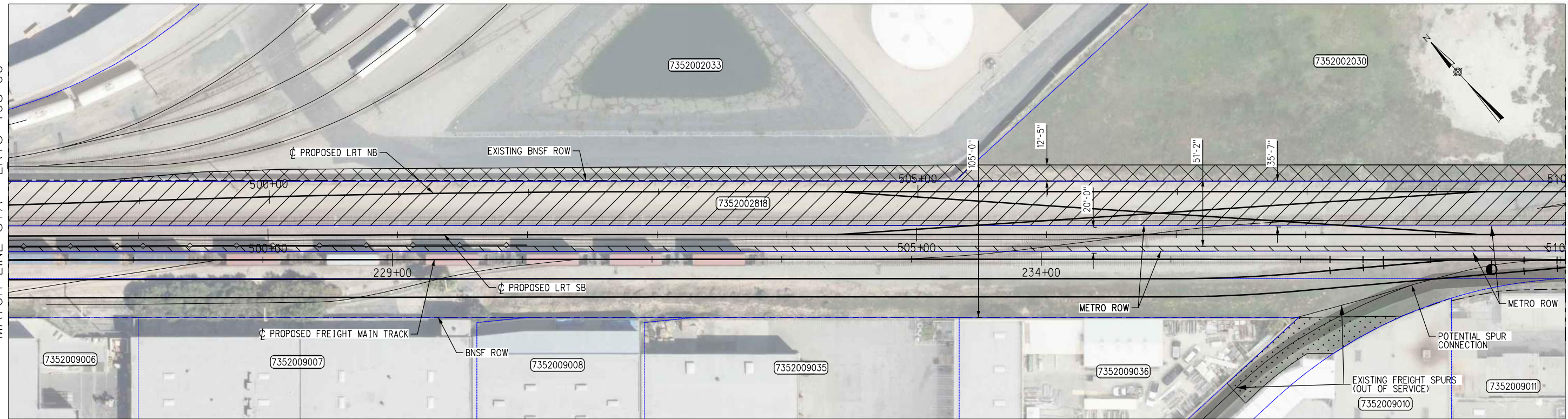
SCALE AS SHOWN

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND

SEE DRAWING RW-119
MATCH LINE STA - LRTS 498+00

MATCH LINE STA - LRTS 510+00
SEE DRAWING RW-121



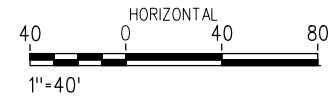
ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
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PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC#
7352002818		BNSF	100698	84508	16190	PARTIAL ACQUISITION FOR ALIGNMENT		- -	
7352002033		DOW CHEMICAL CO	975879	6450	969429	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE		- -	
7352002030		CITY OF TORRANCE	87036	7471	79565	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE		- -	
TBD		BNSF	65656	2854	62802	TEMPORARY CONSTRUCTION EASEMENT FOR SPUR TRACK INSTALLATION		- -	
TBD		LA METRO	106451	21609	84842	METRO ROW CONVEYED TO BNSF		- -	

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DESIGNED BY
G. THOMPSON

DRAWN BY
H. DADSETAN

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____

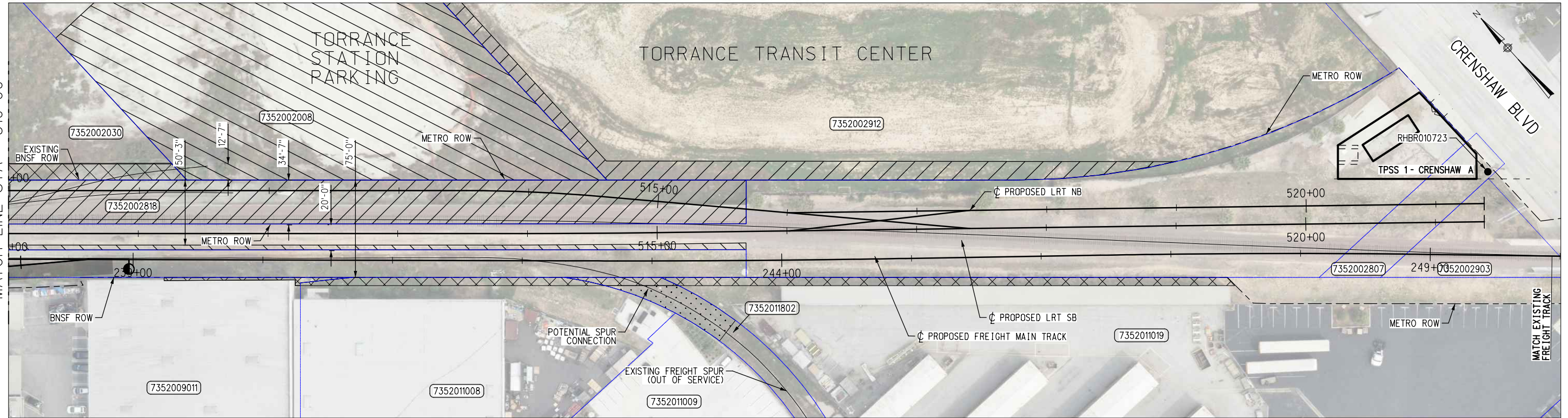
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - RIGHT OF WAY PLANS
LRTS 498+00 TO LRTS 510+00
SHEET 20 OF 21

CONTRACT NO. AE63445001	
DRAWING NO. RW-120	
REVISION	SHEET NO.
SCALE	AS SHOWN

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND

SEE DRAWING RW-120
MATCH LINE STA - 510+00



ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING METRO RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
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			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
7352002818		BNSF	100698	84508	16190	PARTIAL ACQUISITION FOR ALIGNMENT	-	-	
7352002030		DOW CHEMICAL CO	87036	7471	79565	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE	-	-	
7352002008		CITY OF TORRANCE	108050	61569	46481	PARTIAL ACQUISITION FOR PARKING LOT	-	-	
7352002912		TORRANCE CITY	292684	9552	283132	PARTIAL ACQUISITION FOR STATION ACCESS AND PARKING LOT	-	-	
7352009011		530 ALASKA LLC	87206	331	86875	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE	-	-	
7352011008		560 ALASKA LLC	55558	1314	54244	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE	-	-	
7352011802		AT AND S FRY CO	11387	408	10996	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE	-	-	
7352011802		AT AND S FRY CO	11387	1451	9936	TEMPORARY CONSTRUCTION EASEMENT FOR SPUR TRACK INSTALLATION	-	-	
7352011019		SOUTHERN DEVELOPMENT INV CO	398200	2740	397930	PERMANENT EASEMENT ACCESS FOR CONSTRUCTION AND MAINTENANCE	-	-	
7352002903		LA METRO	106451	8084	98367	METRO ROW CONVEYED TO BNSF	-	-	

LEASE CUSTOMER #	TITLE CODE	LEASE CUSTOMER	AREAS (sq feet or as noted)			LEASE USE	REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER			TYPE	DATE	DOC.#
RHBR010723		CLEAR CHANNEL OUTDOOR, INC.				PUBLIC ROADWAY	MODIFIED	-	-	

NOT FOR CONSTRUCTION

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DESIGNED BY
G. THOMPSON

DRAWN BY
H. DADSETAN

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
Metro TRANSPORTATION AUTHORITY

SUBMITTED: _____
PROJECT MANAGER

APPROVED: _____

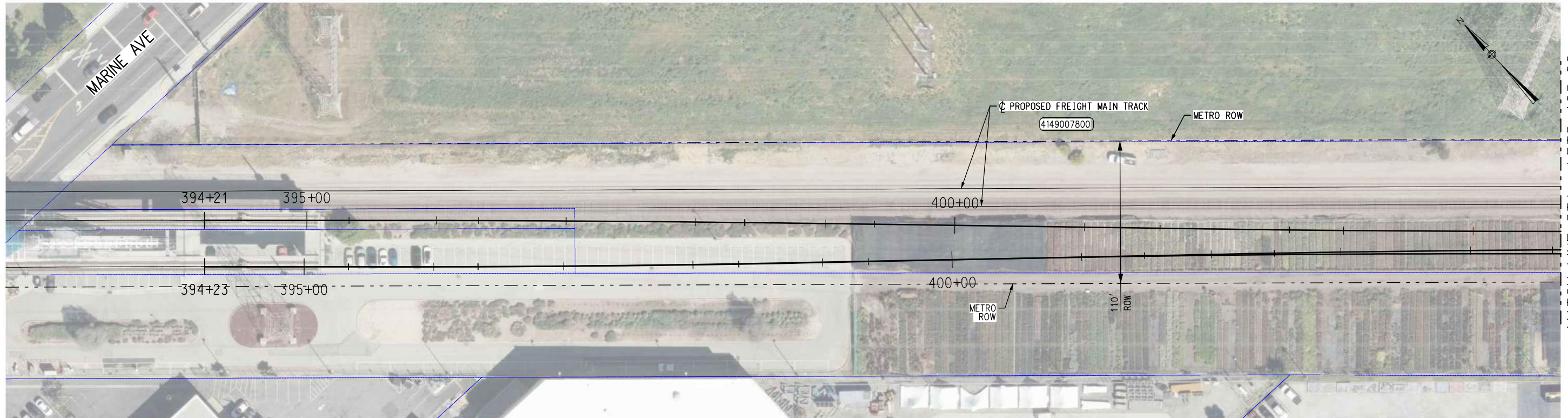
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - RIGHT OF WAY PLANS
LRTS 510+00 TO LRTS 522+00
SHEET 21 OF 21

CONTRACT NO. AE63445001
DRAWING NO. RW-121

REVISION SHEET NO.

SCALE AS SHOWN

1/5/2023 4:19:00 PM eunilobj I:\Projects\4020520\4020520_000\90_CAD Models and Sheets\04_CK_Track_Rail\Sheet_L_Files\ROW_Sheets\RW-121.sht



MATCH LINE STA - LRTS 405+00
SEE DRAWING RW-752

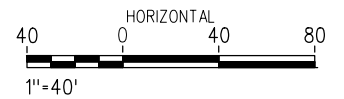
ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
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- PROPOSED ACQUISITION
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PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION			
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#	

DEFINITIONS:

1. ACQUISITION: TYPICALLY KNOWN AS "FULL FEE ACQUISITION" WHERE FEE INTEREST IS BEING ACQUIRED FOR LAND AND RIGHTS FOR AN ENTIRE PARCEL. INCLUDES CASES WHERE ACQUISITION OF AN ENTIRE PARCEL IS NOT ESSENTIAL BUT IS A PRACTICAL REQUIREMENT SINCE ANY PARCEL REMAINDER IS DETERMINED AS NOT VIABLE FOR USE ON ITS OWN.
2. PARTIAL ACQUISITION: TYPICALLY KNOWN AS "PARTIAL FEE ACQUISITION" AS ACQUISITION EXCEPT IT APPLIES TO ONLY A PORTION OF THE PROPERTY AND LEAVES THE REMAINDER OF A PARCEL WITH THE EXISTING OWNER.
3. PERMANENT EASEMENT: TYPICALLY KNOWN AS "PERMANENT EASEMENT ACQUISITION" AND APPLIES TO PROPERTY WHERE LIMITED RIGHTS ARE REQUIRED FOR PERPETUITY (FOR EXAMPLE, THE RIGHT TO CROSS OVER, UNDER OR UPON, THE RIGHT TO INSTALL FACILITIES SUCH AS UTILITIES, THE RIGHT TO ENTER THE PROPERTY FOR CONSTRUCTION OR MAINTENANCE PURPOSES) AND THAT PERMITS CONCURRENT USE BY OTHERS WITH LEGAL INTEREST IN THE PARCEL. THE RIGHTS CONVEYED CAN BE DESCRIBED IN DETAIL IN THE EASEMENT DEED.
4. TEMPORARY EASEMENT: AS PERMANENT EASEMENT EXCEPT IT APPLIES TO PROPERTY WHERE LIMITED RIGHTS ARE REQUIRED FOR A TEMPORARY PERIOD.

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LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

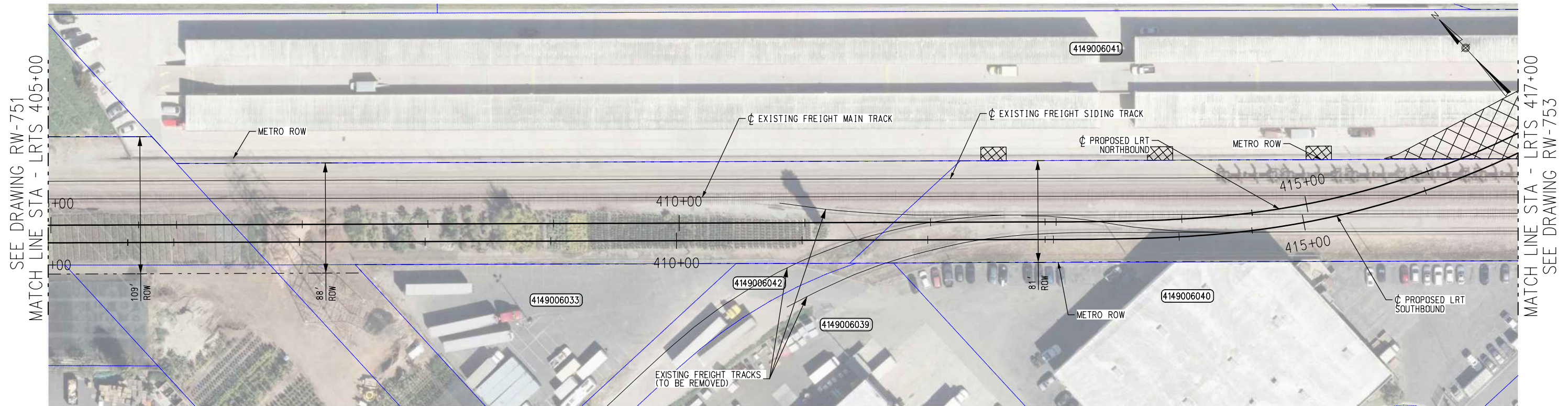
METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 HAWTHORNE OPTION - RIGHT OF WAY PLANS
 LRTS 394+00 TO LRTS 405+00
 SHEET 1 OF 15

CONTRACT NO. AE63445001
 DRAWING NO. RW-751
 REVISION SHEET NO.
 SCALE AS SHOWN

12/23/2022 5:01:10 PM eunilobj i:\Projects\4020520\4020520_000\90_CAD_Models and Sheets\04_CK_Track_Rail_Sheet_L_Files\ROW_Sheets\HWT\RW-751.sht

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



SEE DRAWING RW-751
MATCH LINE STA - LRTS 405+00

MATCH LINE STA - LRTS 417+00
SEE DRAWING RW-753

ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING METRO RIGHT OF WAY BOUNDARY
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			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
4149006041		ABO CONSULTING AND RESEARCH LLC	19644.3	23566	172877	PERMANENT EASEMENT FOR OVERHEAD FOR STRUCTURE		-	
4149006041		ABO CONSULTING AND RESEARCH LLC	19644.3	217	196226	PERMANENT EASEMENT FOR STRUCTURE BENT			
4149006041		ABO CONSULTING AND RESEARCH LLC	19644.3	217	196226	PERMANENT EASEMENT FOR STRUCTURE BENT			
4149006041		ABO CONSULTING AND RESEARCH LLC	19644.3	217	196226	PERMANENT EASEMENT FOR STRUCTURE BENT			

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INFORMATION CONFIDENTIAL:
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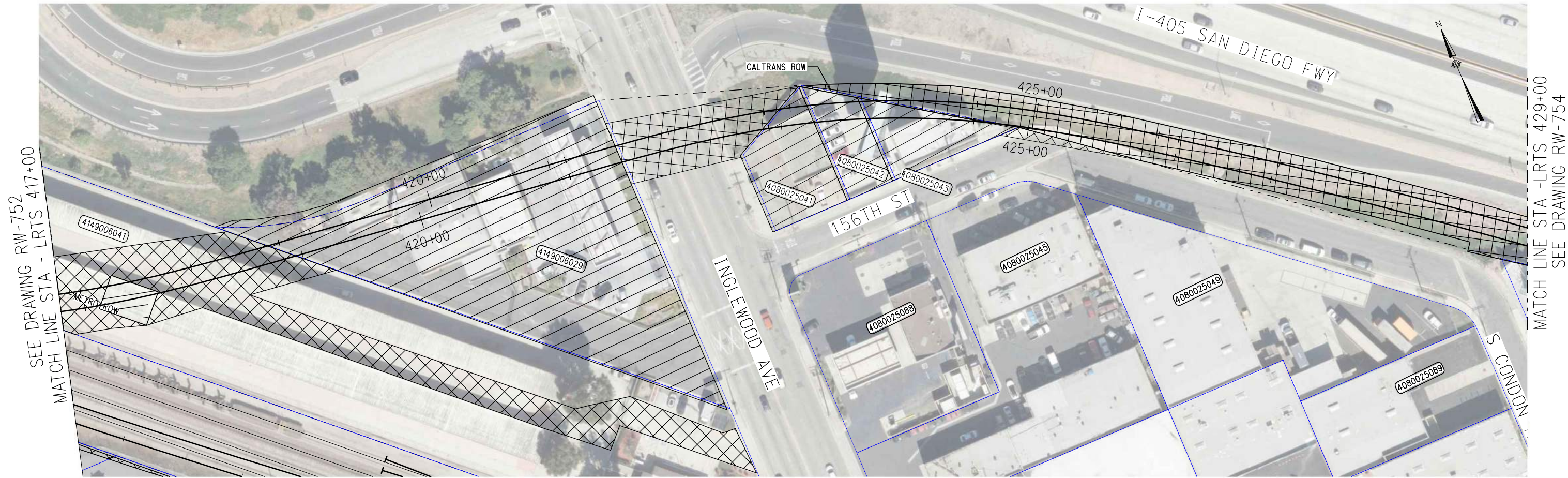
DESIGNED BY
G. THOMPSON
DRAWN BY
H. DADSETAN
CHECKED BY
G. THOMPSON
APPROVED BY
A. SOKOL
DATE
12/9/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - RIGHT OF WAY PLANS
LRTS 405+00 TO LRTS 417+00
SHEET 2 OF 15

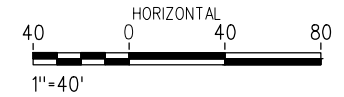
CONTRACT NO. AE63445001
DRAWING NO. RW-752
REVISION SHEET NO.
SCALE AS SHOWN



SEE DRAWING RW-752
MATCH LINE STA - LRTS 417+00

MATCH LINE STA - LRTS 429+00
SEE DRAWING RW-754

PLAN



ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING CALTRANS RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY CONSTRUCTION EASEMENT

GENERAL NOTES:

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PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
4149006041		ABO CONSULTING AND RESEARCH LLC	196443	23566	172877	PERMANENT EASEMENT FOR ACCESS	-	-	
4149006029		G & M REALCO LLC	41605	41605		OFULL ACQUISITION FOR ALIGNMENT	-	-	
4080025041		ROGERS, BETTY JANE	5427	5427		OFULL ACQUISITION FOR ALIGNMENT	-	-	
4080025042		QUAGLETTI, MICHAEL JAMES	3456	3456		OFULL ACQUISITION FOR ALIGNMENT	-	-	
4080025043		QUAGLETTI, MICHAEL JAMES	3890	500	3390	PARTIAL ACQUISITION FOR ALIGNMENT	-	-	
TO BE CONFIRMED		CALTRANS	TBD	3456		TBDINGLEWOOD AVENUE PERMANENT EASEMENT	-	-	
4149006041		ABO CONSULTING AND RESEARCH LLC	196443	1154	195289	PARTIAL ACQUISITION	-	-	

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DESIGNED BY
G. THOMPSON
DRAWN BY
H. DADSETAN
CHECKED BY
G. THOMPSON
APPROVED BY
A. SOKOL
DATE
12/9/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - RIGHT OF WAY PLANS
LRTS 417+00 TO LRTS 429+00
SHEET 3 OF 15

CONTRACT NO. AE63445001
DRAWING NO. RW-753
REVISION SHEET NO.
SCALE AS SHOWN



MATCH LINE STA - LRTS 429+00
SEE DRAWING RW-753

MATCH LINE STA - LRTS 441+00
SEE DRAWING RW-755

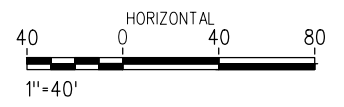
ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING CALTRANS RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY CONSTRUCTION EASEMENT

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PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
4080024038		INDJIAN, IBRAHIM	5077	5072	0	FULL ACQUISITION FOR ALIGNMENT			
4080024039		INDJIAN, IBRAHIM	5077	5072	0	FULL ACQUISITION FOR ALIGNMENT (PART OF ADJACENT BUSINESS)			
4080024041		INDJIAN, IBRAHIM	4798	4798	0	FULL ACQUISITION FOR ALIGNMENT		--	
4080025051		TO BE CONFIRMED	3798	3798	0	FULL ACQUISITION FOR ALIGNMENT		--	
		TO BE CONFIRMED CALTRANS	TBD	3798	TBD	MANHATTAN BEACH BOULEVARD PERMANENT EASEMENT		--	

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DESIGNED BY
G. THOMPSON

DRAWN BY
H. DADSETAN

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
Metro TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 HAWTHORNE OPTION - RIGHT OF WAY PLANS
 LRTS 429+00 TO LRTS 441+00
 SHEET 4 OF 15

CONTRACT NO. AE63445001	
DRAWING NO. RW-754	
REVISION	SHEET NO.
SCALE	AS SHOWN

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND

SEE DRAWING RW-754
MATCH LINE STA - LRTS 441+00

MATCH LINE STA - LRTS 453+00
SEE DRAWING RW-756



ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING CALTRANS RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY CONSTRUCTION EASEMENT

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PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC#
4080027037		HOFMANN, HAROLD E	12506	369	12137	PERMANENT EASEMENT			
TO BE CONFIRMED		CALTRANS	TBD	107626	TBD	PERMANENT EASEMENT FOR ALIGNMENT			

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DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

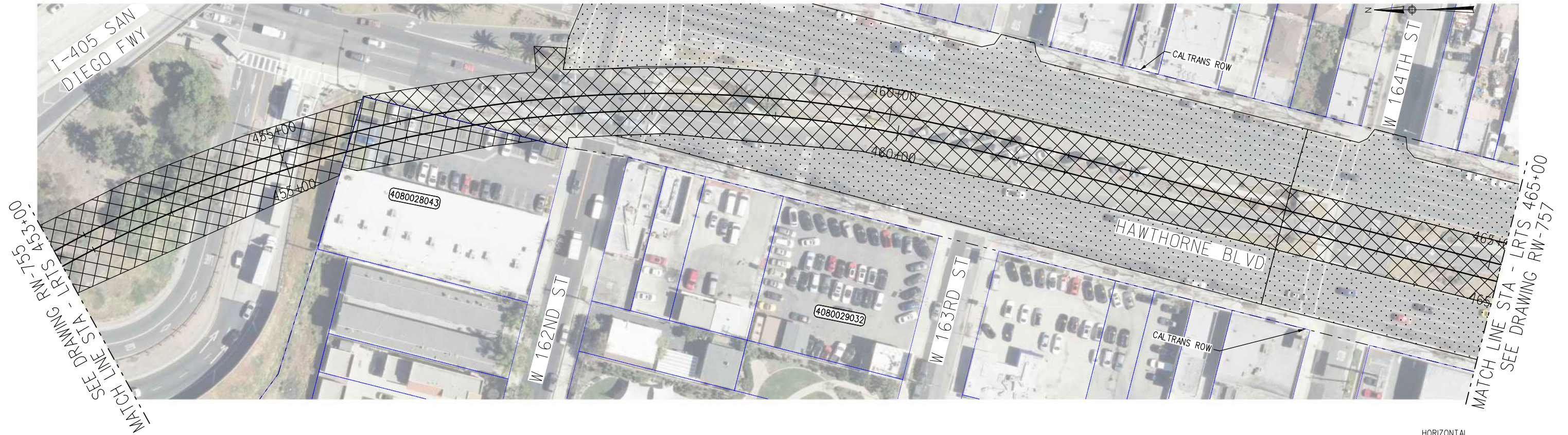
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 HAWTHORNE OPTION - RIGHT OF WAY PLANS
 LRTS 441+00 TO LRTS 453+00
 SHEET 5 OF 15

CONCEPTUAL DESIGN	
CONTRACT NO. AE63445001	DRAWING NO. RW-755
REVISION	SHEET NO.
SCALE	AS SHOWN

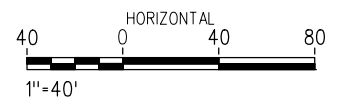
HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



SEE DRAWING RW-755
MATCH LINE STA - LRTS 453+00

MATCH LINE STA - LRTS 465+00
SEE DRAWING RW-757



ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING CALTRANS RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY CONSTRUCTION EASEMENT

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PLAN

PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
4080028043		MIRACLE PROPERTIES	22305	4590	17715	PERMANENT EASEMENT FOR ALIGNMENT	-	-	
TO BE CONFIRMED		CALTRANS	TBD	132388	TBD	PERMANENT EASEMENT FOR ALIGNMENT	-	-	
TO BE CONFIRMED		CALTRANS	TBD	126508	TBD	TEMPORARY CONSTRUCTION EASEMENT	-	-	

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DESIGNED BY
G. THOMPSON

DRAWN BY
H. DADSETAN

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - RIGHT OF WAY PLANS
LRTS 453+00 TO LRTS 465+00
SHEET 6 OF 15

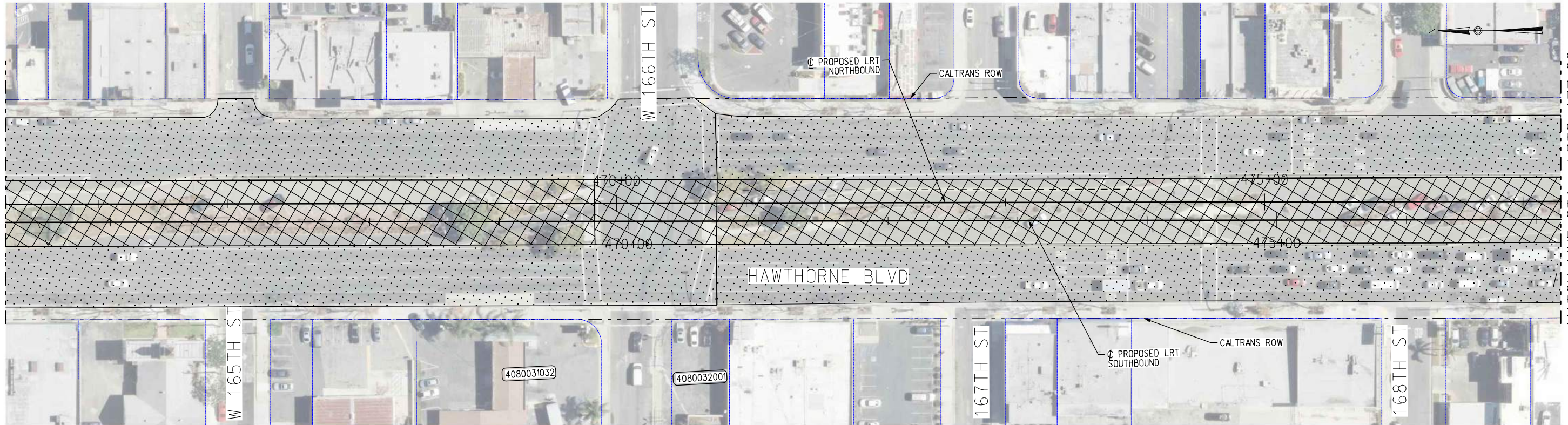
CONTRACT NO. AE63445001	
DRAWING NO. RW-756	
REVISION	SHEET NO.
SCALE	AS SHOWN

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND

SEE DRAWING RW-756
MATCH LINE STA - LRTS 465+00

MATCH LINE STA - LRTS 477+00
SEE DRAWING RW-758



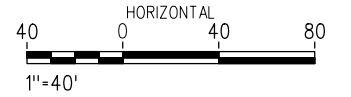
ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING CALTRANS RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
- PROPOSED PERMANENT EASEMENT
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PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
TO BE CONFIRMED		CALTRANS	TBD	79790	TBD	PERMANENT EASEMENT FOR ALIGNMENT		--	
TO BE CONFIRMED		CALTRANS	TBD	147362	TBD	TEMPORARY CONSTRUCTION EASEMENT		--	

12/23/2022 5:01:34 PM eunillobj I:\Projects\4020520\4020520_000\90_CAD_Models_and_Sheets\04_CK_Track_Rail\Sheet_L_Files\ROW_Sheets\HWT\RW-757.sht

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REV.	DATE	BY	SUB.	APP.

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DESIGNED BY
G. THOMPSON

DRAWN BY
H. DADSETAN

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - RIGHT OF WAY PLANS
LRTS 465+00 TO LRTS 477+00
SHEET 7 OF 15

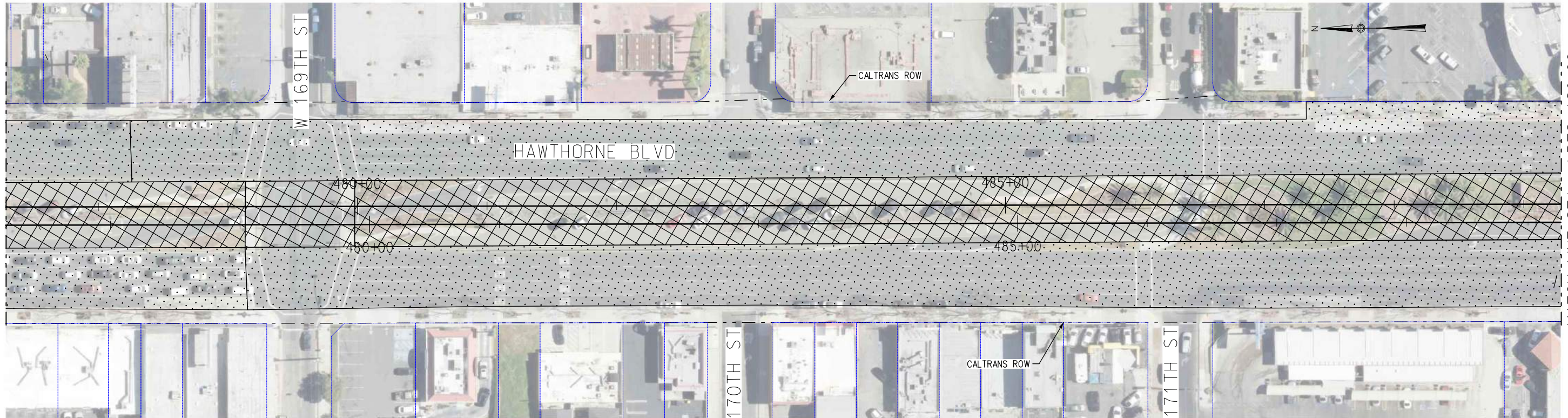
CONTRACT NO. AE63445001	
DRAWING NO. RW-757	
REVISION	SHEET NO.
SCALE	AS SHOWN

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND

SEE DRAWING RW-757
MATCH LINE STA - LRTS 477+00

MATCH LINE STA - LRTS 489+00
SEE DRAWING RW-759



ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING CALTRANS RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
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PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
TO BE CONFIRMED		CALTRANS	TBD	100468	TBD	PERMANENT EASEMENT FOR ALIGNMENT		--	
TO BE CONFIRMED		CALTRANS	TBD	191936	TBD	TEMPORARY CONSTRUCTION EASEMENT		--	

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DESIGNED BY
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DRAWN BY
H. DADSETAN

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

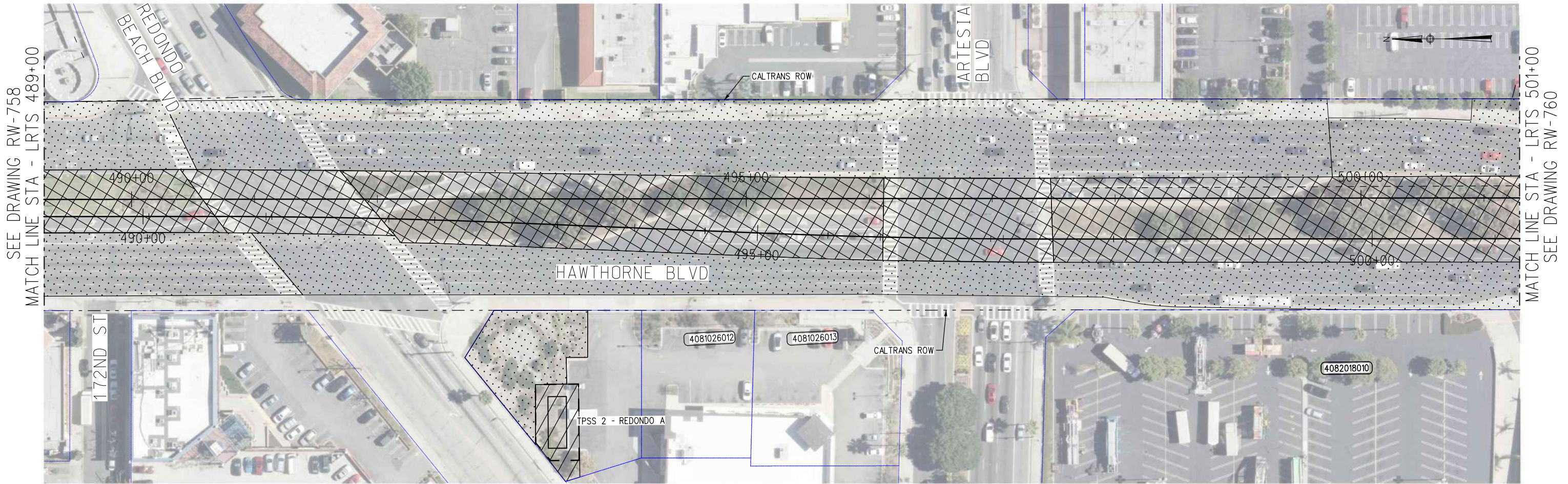
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - RIGHT OF WAY PLANS
LRTS 477+00 TO LRTS 489+00
SHEET 8 OF 15

CONTRACT NO. AE63445001	
DRAWING NO. RW-758	
REVISION	SHEET NO.
SCALE	AS SHOWN

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



SEE DRAWING RW-758
MATCH LINE STA - LRTS 489+00

MATCH LINE STA - LRTS 501+00
SEE DRAWING RW-760

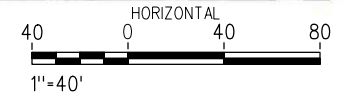
PLAN

ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
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PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
4081026015		OWNER INFORMATION CURRENTLY IN TRANSACTIONAL STATE	TBD	5968	TBD	TEMPORARY EASEMENT	-	-	
TO BE CONFIRMED		CALTRANS	TBD	157753	TBD	PERMANENT EASEMENT FOR ALIGNMENT	-	-	
TO BE CONFIRMED		CALTRANS	TBD	511282	TBD	TEMPORARY CONSTRUCTION EASEMENT	-	-	
4081026015		OWNER INFORMATION CURRENTLY IN TRANSACTIONAL STATE	TBD	2400	TBD	PERMANENT ACQUISITION FOR TPSS	-	-	

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DESIGNED BY
G. THOMPSON
DRAWN BY
H. DADSETAN
CHECKED BY
G. THOMPSON
APPROVED BY
A. SOKOL
DATE
12/9/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - RIGHT OF WAY PLANS
LRTS 489+00 TO LRTS 501+00
SHEET 9 OF 15

CONTRACT NO. AE63445001
DRAWING NO. RW-759
REVISION SHEET NO.
SCALE AS SHOWN

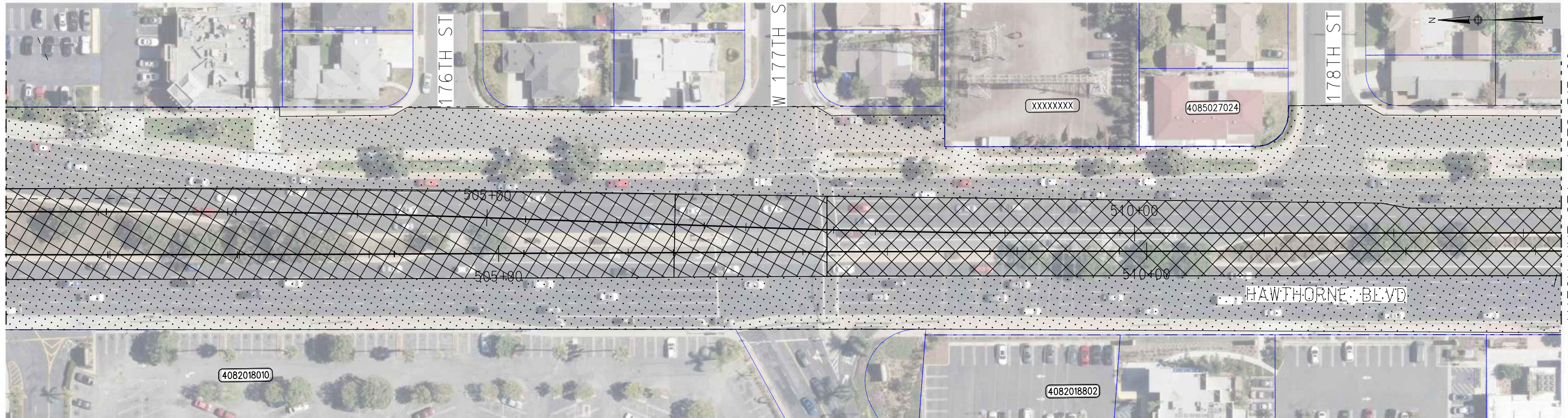
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HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND

SEE DRAWING RW-759
MATCH LINE STA - LRTS 501+00

MATCH LINE STA - LRTS 513+00
SEE DRAWING RW-761



ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
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3. PUBLIC RIGHT OF WAY AND PARCEL LINES ARE SHOWN FOR ILLUSTRATIVE PURPOSES BASED ON ASSESSORS MAPS.

PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC#
TO BE CONFIRMED		CALTRANS	TBD	107054	TBD	PERMANENT EASEMENT FOR ALIGNMENT		--	
TO BE CONFIRMED		CALTRANS	TBD	336079	TBD	TEMPORARY CONSTRUCTION EASEMENT		--	

12/23/2022 5:01:44 PM eunillobj I:\Projects\4020520\4020520_000\90_CAD Models and Sheets\04_CK_Track_Rail\Sheet_L\Files\ROW_Sheets\HWT\RW-760.sht

NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.
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INFORMATION CONFIDENTIAL:
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DESIGNED BY
G. THOMPSON

DRAWN BY
H. DADSETAN

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022

M LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

STV 100 Years

SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - RIGHT OF WAY PLANS
LRTS 501+00 TO LRTS 513+00
SHEET 10 OF 15

CONTRACT NO. AE63445001	
DRAWING NO. RW-760	
REVISION	SHEET NO.
SCALE	AS SHOWN

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



SEE DRAWING RW-760
MATCH LINE STA - LRTS 513+00

MATCH LINE STA - LRTS 525+00
SEE DRAWING RW-762

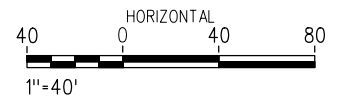
ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING CALTRANS RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY CONSTRUCTION EASEMENT

GENERAL NOTES:

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PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
TO BE CONFIRMED		CALTRANS	TBD	158231	TBD	PERMANENT EASEMENT FOR ALIGNMENT	-	-	
TO BE CONFIRMED		CALTRANS	TBD	336079	TBD	TEMPORARY CONSTRUCTION EASEMENT	-	-	

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NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.
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DESIGNED BY
G. THOMPSON

DRAWN BY
H. DADSETAN

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

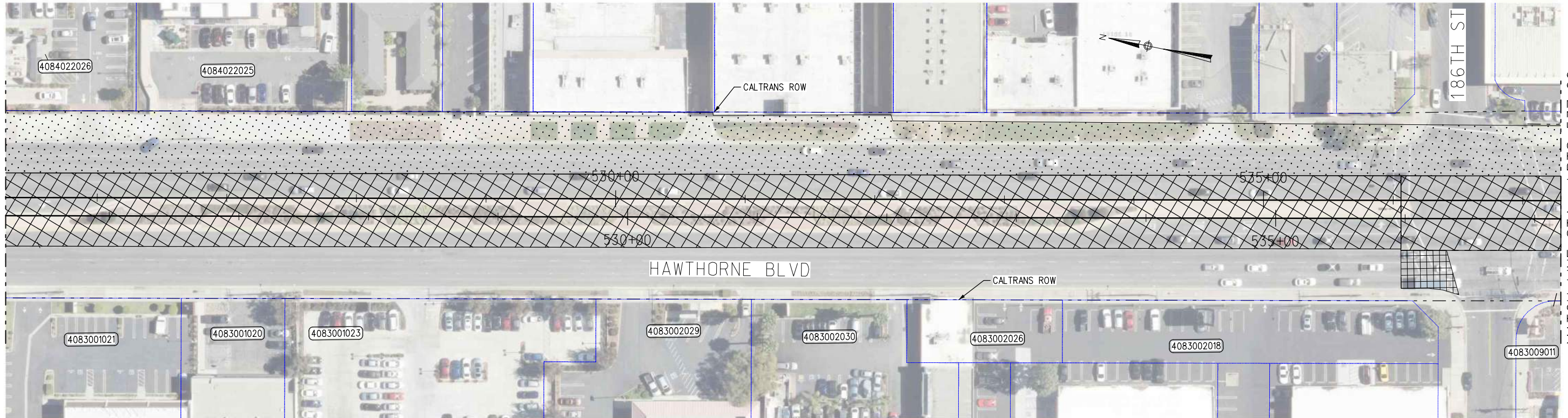
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - RIGHT OF WAY PLANS
LRTS 513+00 TO LRTS 525+00
SHEET 11 OF 15

CONTRACT NO. AE63445001	
DRAWING NO. RW-761	
REVISION	SHEET NO.
SCALE	AS SHOWN

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



SEE DRAWING RW-761
MATCH LINE STA - LRTS 525+00

MATCH LINE STA - LRTS 537+00
SEE DRAWING RW-763

ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING CALTRANS RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY CONSTRUCTION EASEMENT

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PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
TO BE CONFIRMED		CALTRANS	TBD	75016	TBD	PERMANENT EASEMENT FOR ALIGNMENT	-	-	
TO BE CONFIRMED		CALTRANS	TBD	209047	TBD	TEMPORARY CONSTRUCTION EASEMENT	-	-	

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REV.	DATE	BY	SUB.	APP.

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DESIGNED BY
G. THOMPSON

DRAWN BY
H. DADSETAN

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____


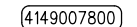
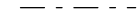

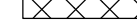
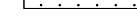
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - RIGHT OF WAY PLANS
LRTS 525+00 TO LRTS 537+00
SHEET 12 OF 15

CONTRACT NO. AE63445001	
DRAWING NO. RW-762	
REVISION	SHEET NO.
SCALE	AS SHOWN

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND

ROW LEGEND

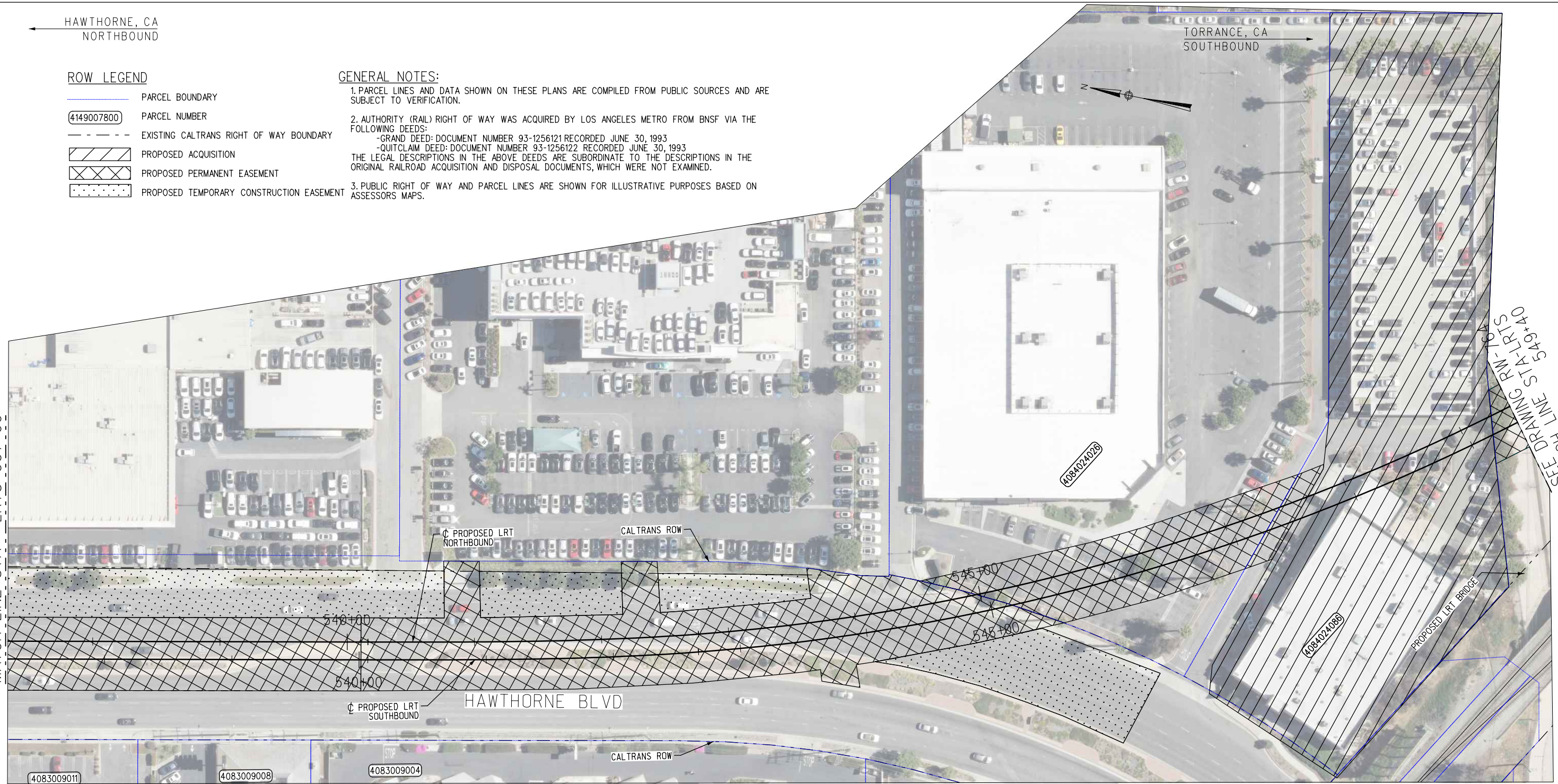
-  PARCEL BOUNDARY
-  PARCEL NUMBER
-  EXISTING CALTRANS RIGHT OF WAY BOUNDARY
-  PROPOSED ACQUISITION
-  PROPOSED PERMANENT EASEMENT
-  PROPOSED TEMPORARY CONSTRUCTION EASEMENT

GENERAL NOTES:

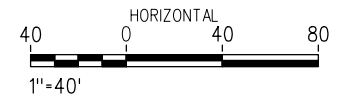
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SEE DRAWING RW-762
MATCH LINE STA - LRTS 537+00

SEE DRAWING RW-763
MATCH LINE STA-LRTS 549+40



PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
TO BE CONFIRMED		CALTRANS	TBD	62726	TBD	PERMANENT EASEMENT FOR ALIGNMENT	-	-	-
TO BE CONFIRMED		CALTRANS	TBD	223403	TBD	TEMPORARY CONSTRUCTION EASEMENT	-	-	-
4084024086		MCKENNA TORRANCE LP	85348	82591	2757	PERMANENT ACQUISITION FOR ALIGNMENT	-	-	-
4084024086		MCKENNA TORRANCE LP	85348	1277	1480	PERMANENT EASEMENT FOR ALIGNMENT	-	-	-
4084024026		AVG PARTNERS LLC	158106	12786	145320	PERMANENT EASEMENT FOR ALIGNMENT	-	-	-

NOT FOR CONSTRUCTION

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DESIGNED BY
G. THOMPSON

DRAWN BY
H. DADSETAN

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022



LOS ANGELES COUNTY
METROPOLITAN
Metro TRANSPORTATION AUTHORITY



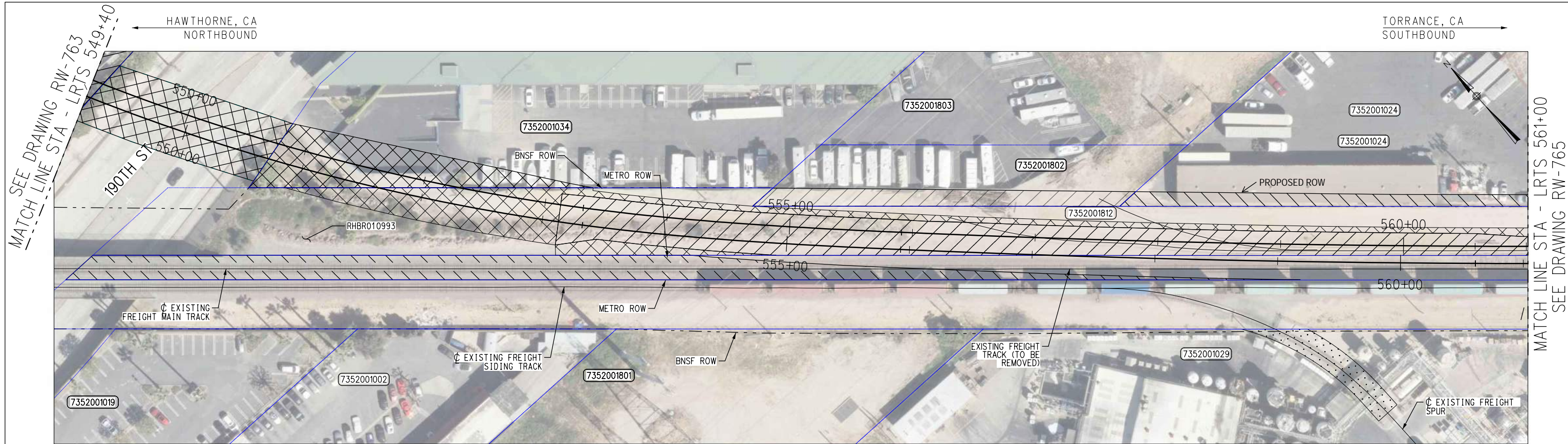
SUBMITTED: _____
PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - RIGHT OF WAY PLANS
LRTS 537+00 TO LRTS 549+40
SHEET 13 OF 15

CONTRACT NO. AE63445001
DRAWING NO. RW-763
REVISION SHEET NO.
SCALE AS SHOWN

REV.	DATE	BY	SUB.	APP.



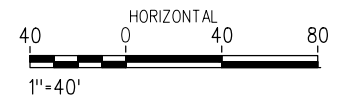
ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING METRO RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY CONSTRUCTION EASEMENT
- PROPOSED METRO ROW CONVEYED TO BNSF

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PLAN



PARCEL #	TITLE CODE	GRANTOR	AREAS (sq feet or as noted)			REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
TBD		LA METRO	38514	13761	24753	METRO ROW CONVEYED TO BNSF	-	-	
7352001812		BNSF	84464	32310	52154	PARTIAL ACQUISITION FOR ALIGNMENT	-	-	
7352001034		(ASSESSOR) SOVRAN ACQUISITION LP	152364	7263	145101	PARTIAL PERMANENT EASEMENT FOR ALIGNMENT	-	-	
TO BE CONFIRMED		CALTRANS	0	8405	0	PERMANENT EASEMENT FOR 190TH STREET	-	-	
7352001812		BNSF	84464	15091	69373	PERMANENT EASEMENT			
7352001024		REXFORD INDUSTRIAL 4240 190TH LLC	504246	11707	492539	PARTIAL ACQUISITION FOR ACCESS ROAD			
7352001029		HAGER PACIFIC ACQUISITIONS LLC	1239844	2282	1237562	TEMPORARY CONSTRUCTION EASEMENT FOR SPUR TRACK INSTALLATION			
7352001802		SOCAL EDISON SBE	14931	4012	10919	PARTIAL ACQUISITION FOR ACCESS ROAD			

LEASE CUSTOMER #	TITLE CODE	LEASE CUSTOMER	AREAS (sq feet or as noted)			LEASE USE	REMARKS	RECORDATION		
			TOTAL	REQUIRED	REMAINDER			TYPE	DATE	DOC.#

NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.	INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.	DESIGNED BY G. THOMPSON	DRAWN BY H. DADSETAN
						CHECKED BY G. THOMPSON	APPROVED BY A. SOKOL
						DATE 12/9/2022	

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____

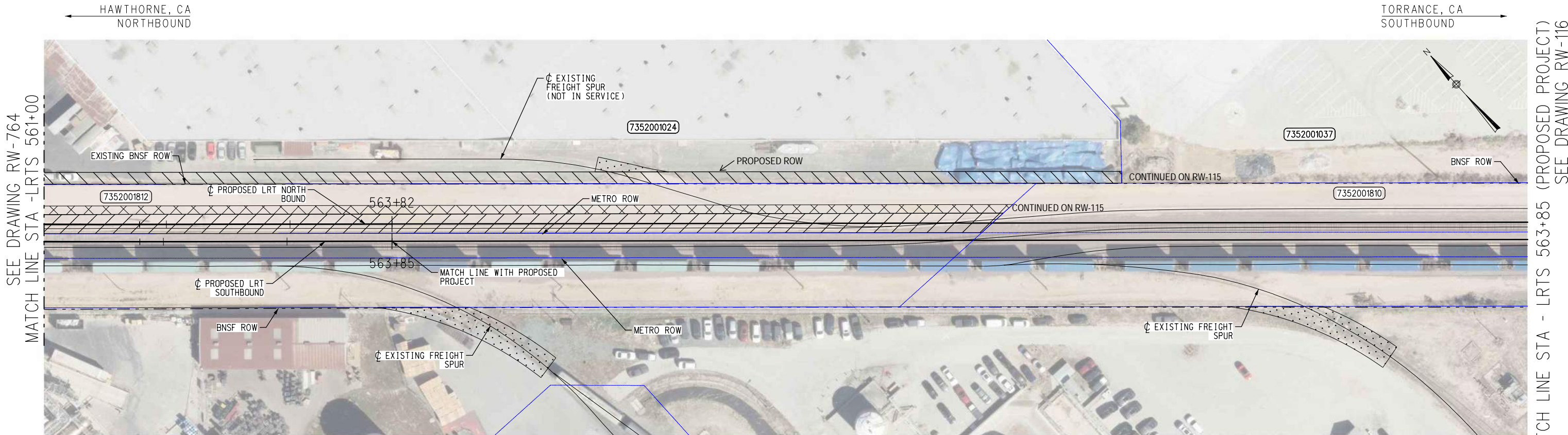
PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - RIGHT OF WAY PLANS
LRTS 549+40 TO LRTS 561+00
SHEET 14 OF 15

CONTRACT NO. AE63445001	
DRAWING NO. RW-764	
REVISION	SHEET NO.
SCALE	AS SHOWN

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SEE DRAWING RW-764
MATCH LINE STA - LRTS 561+00

MATCH LINE STA - LRTS 563+85 (PROPOSED PROJECT)
SEE DRAWING RW-116

ROW LEGEND

- PARCEL BOUNDARY
- PARCEL NUMBER
- EXISTING METRO RIGHT OF WAY BOUNDARY
- PROPOSED ACQUISITION
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY CONSTRUCTION EASEMENT
- PROPOSED METRO ROW CONVEYED TO BNSF

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			TOTAL	REQUIRED	REMAINDER		TYPE	DATE	DOC.#
7352001812		BNSF	89734	15091	74643	PARTIAL PERMANENT EASEMENT FOR ALIGNMENT		--	
7352001812		BNSF	89734	32310	38719	PARTIAL PERMANENT ACQUISITION FOR ALIGNMENT		--	
7352001024		REXFORD INDUSTRIAL 4240 190TH LLC	504246	11707	57424	PARTIAL PERMANENT ACQUISITION FOR ACCESS ROAD			
7352001024		REXFORD INDUSTRIAL 4240 190TH LLC	504246	1294	502952	TEMPORARY CONSTRUCTION EASEMENT FOR SPUR TRACK REALIGNMENT			
7352001029		HAGER PACIFIC ACQUISITIONS LLC	1239844	4087	1235757	TEMPORARY CONSTRUCTION EASEMENT FOR SPUR TRACK REALIGNMENT			

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DESIGNED BY
G. THOMPSON

DRAWN BY
H. DADSETAN

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____

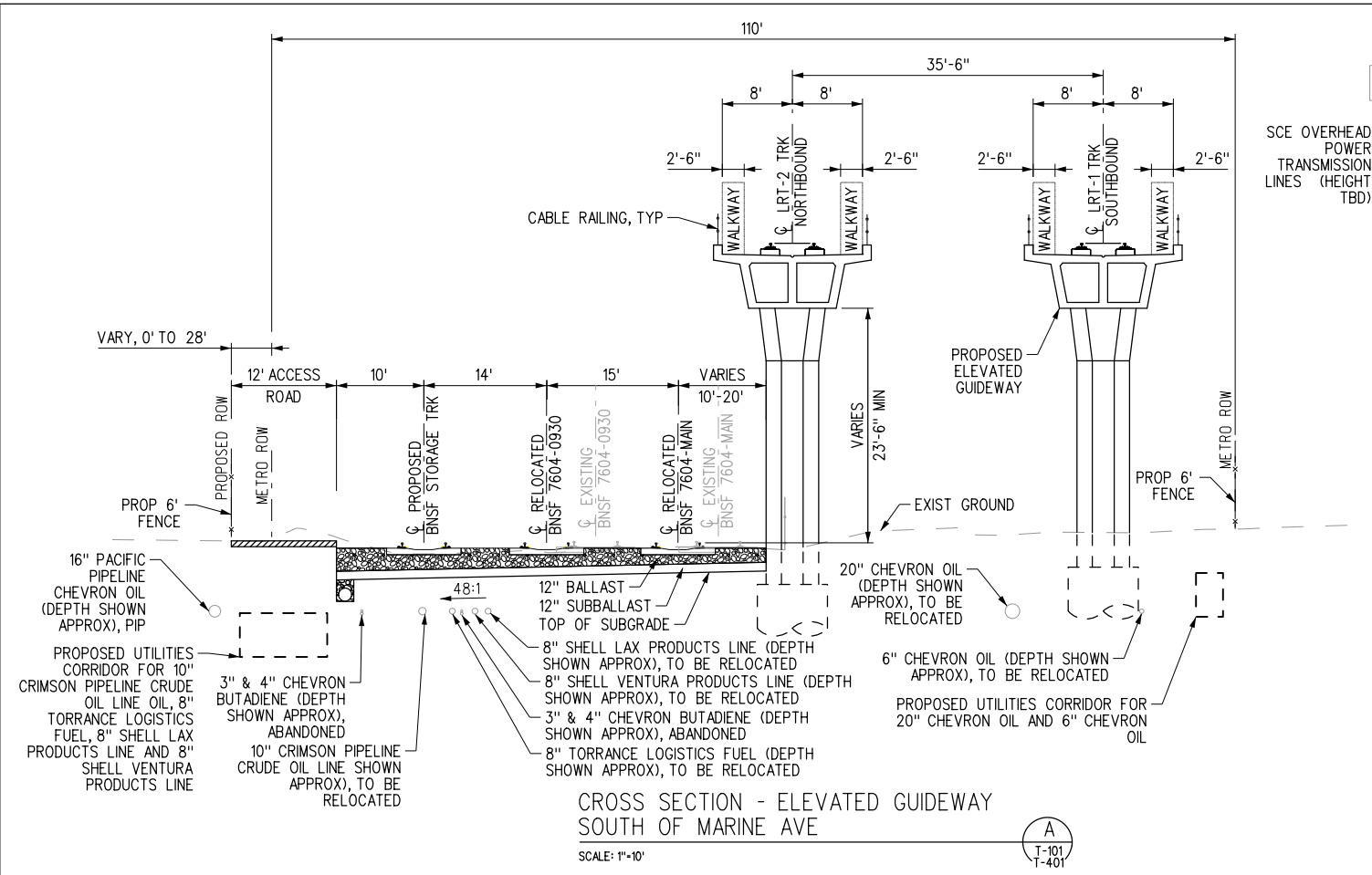
PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - RIGHT OF WAY PLANS
LRTS 561+00 TO LRTS 563+85
SHEET 15 OF 15

CONTRACT NO. AE63445001	
DRAWING NO. RW-765	
REVISION	SHEET NO.
SCALE	AS SHOWN

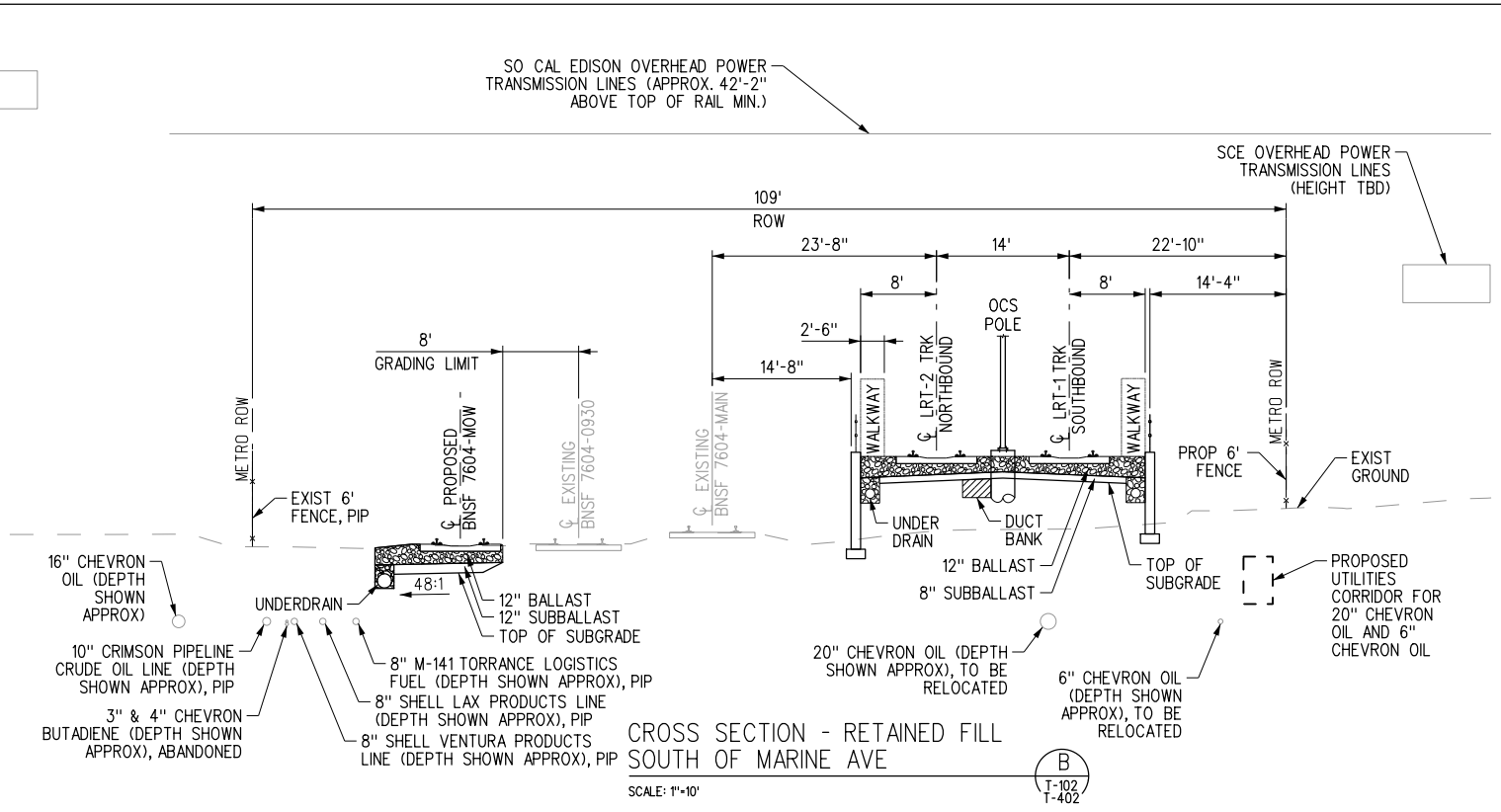
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CROSS SECTION - ELEVATED GUIDEWAY
 SOUTH OF MARINE AVE

SCALE: 1"=10'

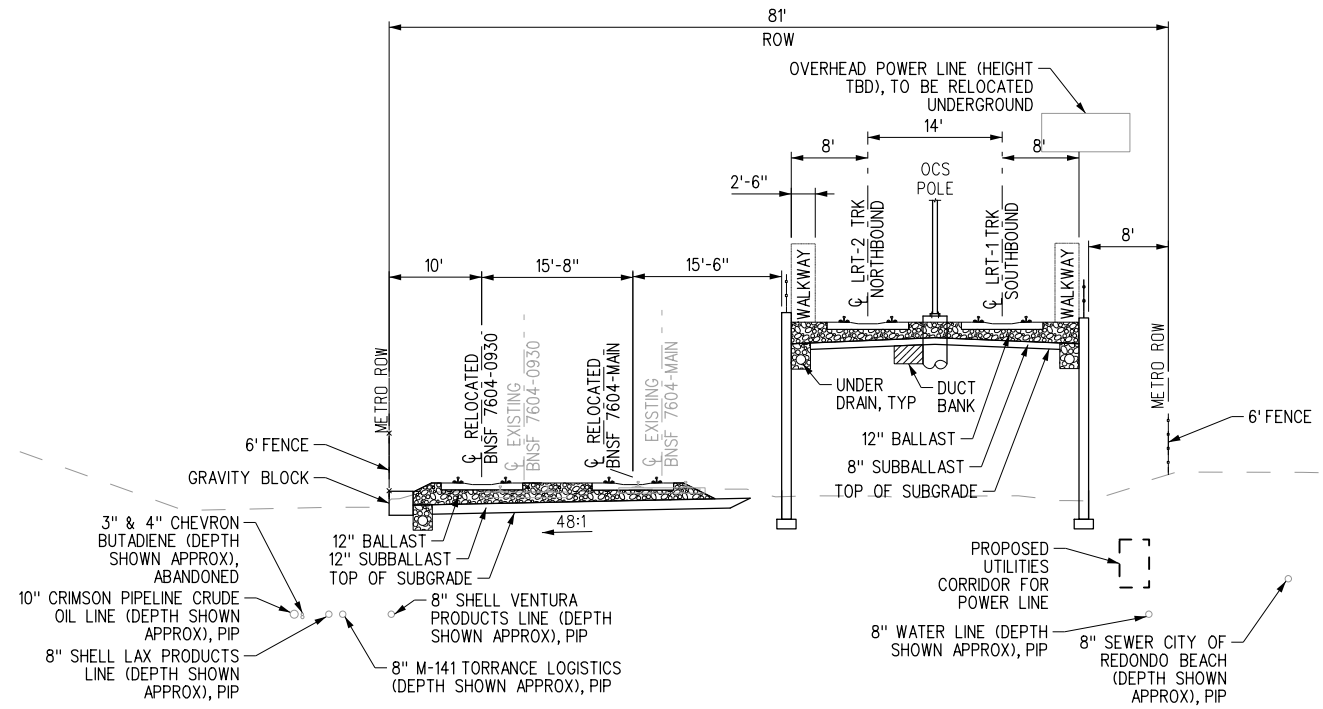
A
 T-101
 T-401



CROSS SECTION - RETAINED FILL
 SOUTH OF MARINE AVE

SCALE: 1"=10'

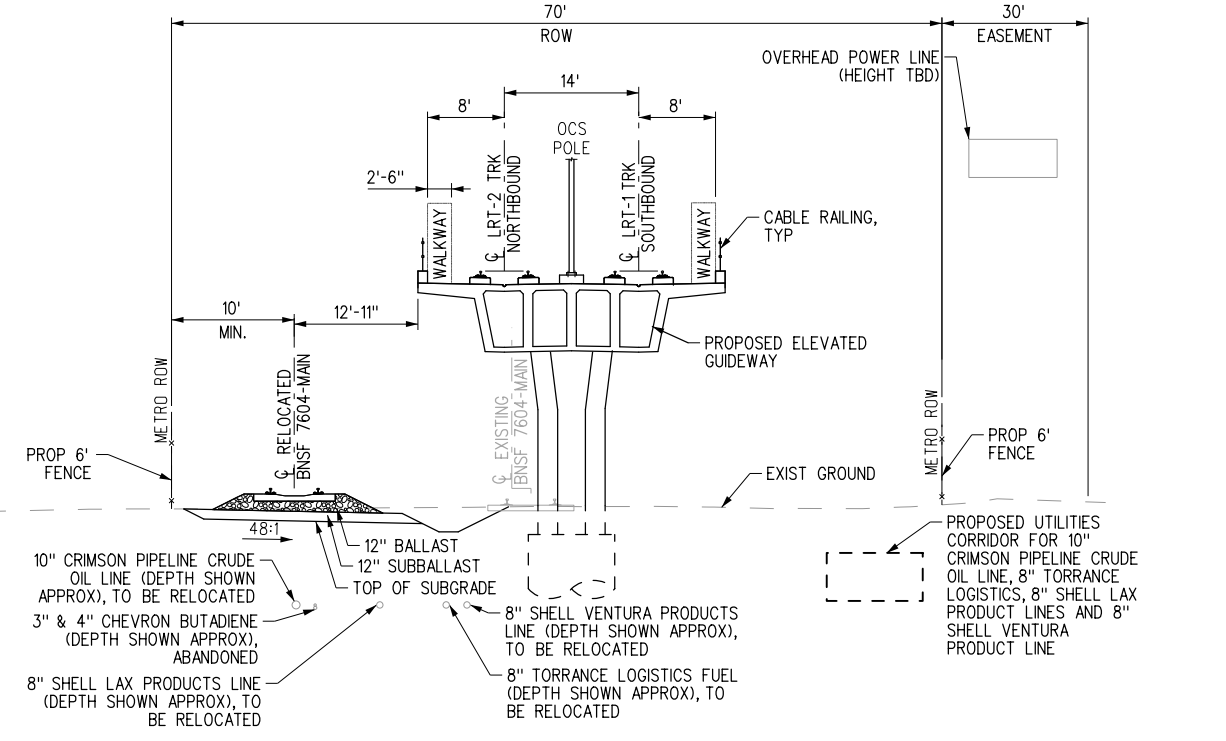
B
 T-102
 T-402



CROSS SECTION - RETAINED FILL WITH RELOCATED FREIGHT TRACKS
 NORTH OF INGLEWOOD AVE

SCALE: 1"=10'

C
 T-103
 T-403



CROSS SECTION - ELEVATED GUIDEWAY
 SOUTH OF INGLEWOOD AVE

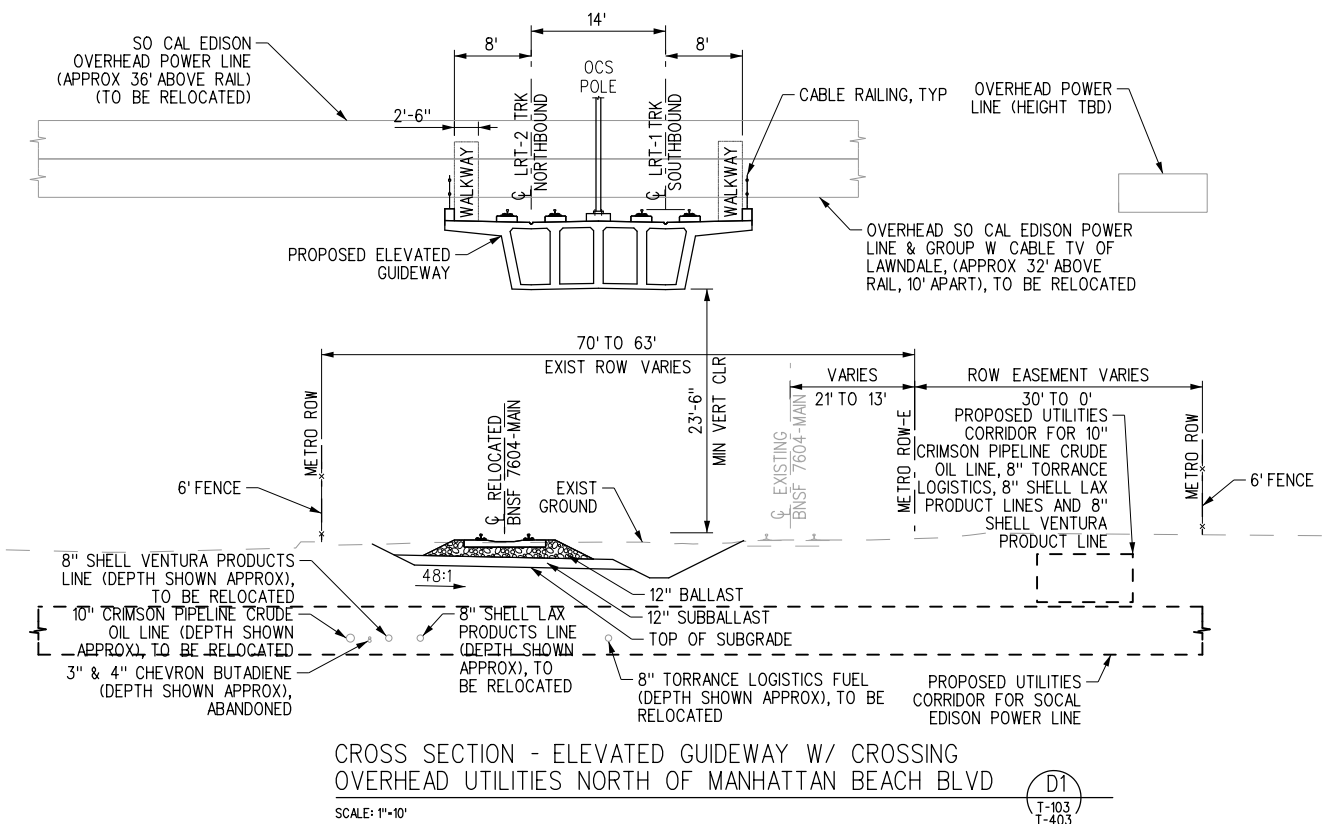
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D
 T-103
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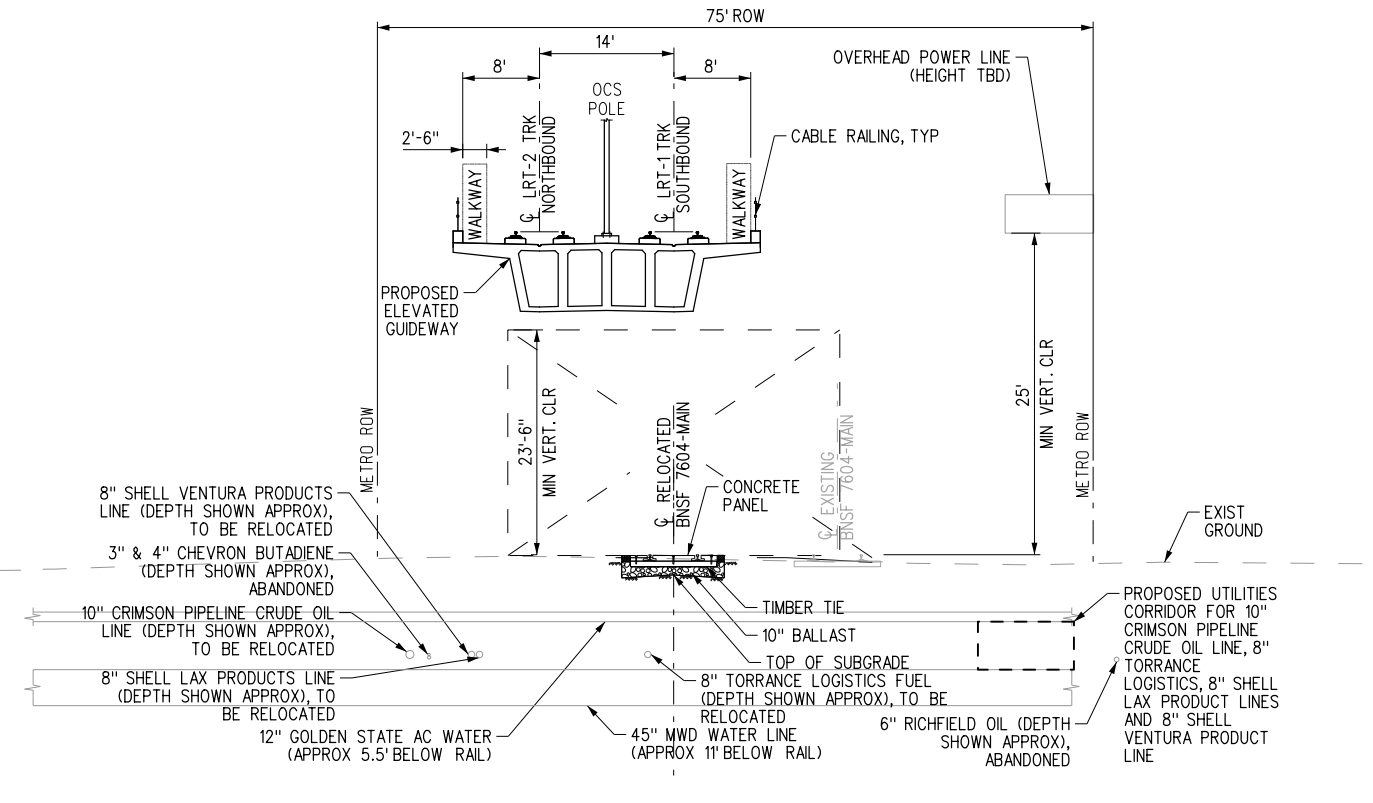
- NOTES:
1. ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. LOCATION AND DEPTHS WILL BE CONFIRMED BY SITE INVESTIGATION FOR FUTURE UPDATE WHERE NECESSARY.
 2. ALL STRUCTURES, INCLUDING ELEVATED GUIDEWAY AND RETAINING WALLS ARE SHOWN CONCEPTUALLY, SEE STRUCTURES DRAWINGS FOR FURTHER DETAILS.

<p>NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>		<p>DESIGNED BY: J. GONZALEZ DRAWN BY: B. EUN LLOVET CHECKED BY: G. THOMPSON APPROVED BY: A. SOKOL DATE: 12/9/2022</p>		<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROPOSED PROJECT TYPICAL SECTIONS SHEET 1 OF 9</p>		<p>CONTRACT NO. AE63445001 DRAWING NO. TC-101 REVISION SHEET NO. SCALE AS SHOWN</p>	
		<p>REVISION SHEET NO.</p>		<p>PROJECT MANAGER</p>		<p>APPROVED:</p>		<p>SCALE AS SHOWN</p>	

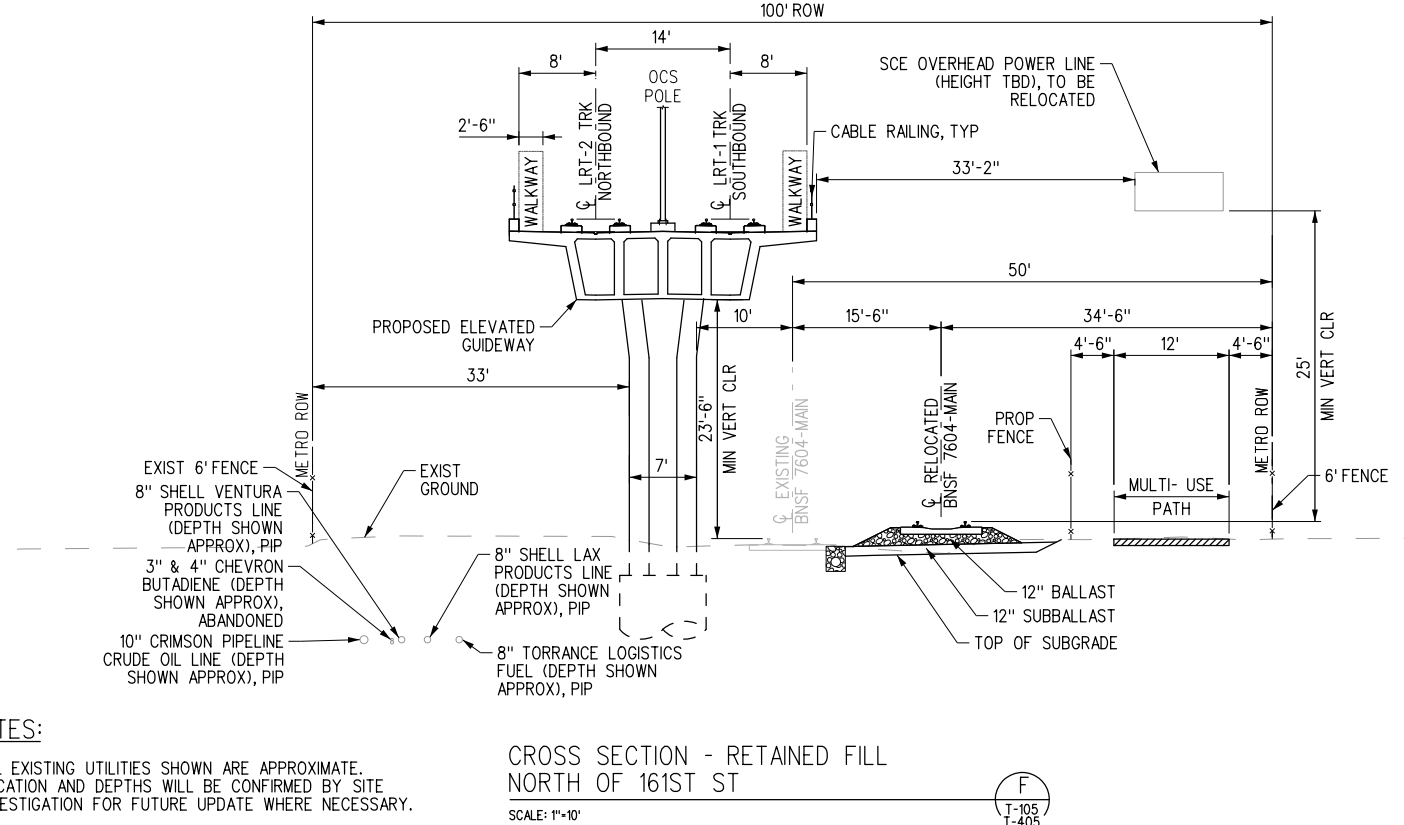
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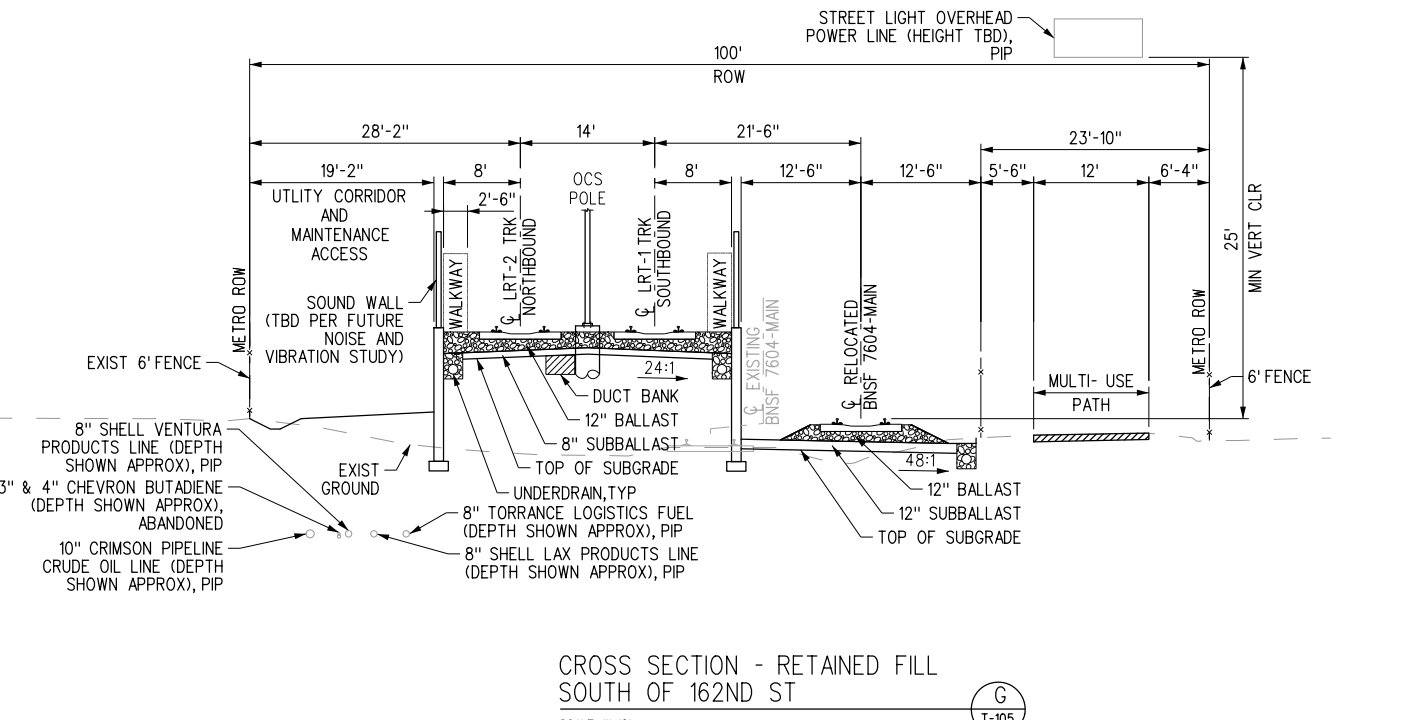
CROSS SECTION - ELEVATED GUIDEWAY W/ CROSSING OVERHEAD UTILITIES NORTH OF MANHATTAN BEACH BLVD
SCALE: 1"=10'
D1
T-103
T-403



CROSS SECTION - ELEVATED GUIDEWAY AT MANHATTAN BEACH BLVD
SCALE: 1"=10'
E
T-104
T-404



CROSS SECTION - RETAINED FILL NORTH OF 161ST ST
SCALE: 1"=10'
F
T-105
T-405



CROSS SECTION - RETAINED FILL SOUTH OF 162ND ST
SCALE: 1"=10'
G
T-106
T-405

- NOTES:
- ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. LOCATION AND DEPTHS WILL BE CONFIRMED BY SITE INVESTIGATION FOR FUTURE UPDATE WHERE NECESSARY.
 - ALL STRUCTURES, INCLUDING ELEVATED GUIDEWAY AND RETAINING WALLS ARE SHOWN CONCEPTUALLY, SEE STRUCTURES DRAWINGS FOR FURTHER DETAILS.

NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

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DESIGNED BY
J. GONZALEZ
DRAWN BY
B. EUN LLOVET
CHECKED BY
G. THOMPSON
APPROVED BY
A. SOKOL
DATE
12/9/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

Metro

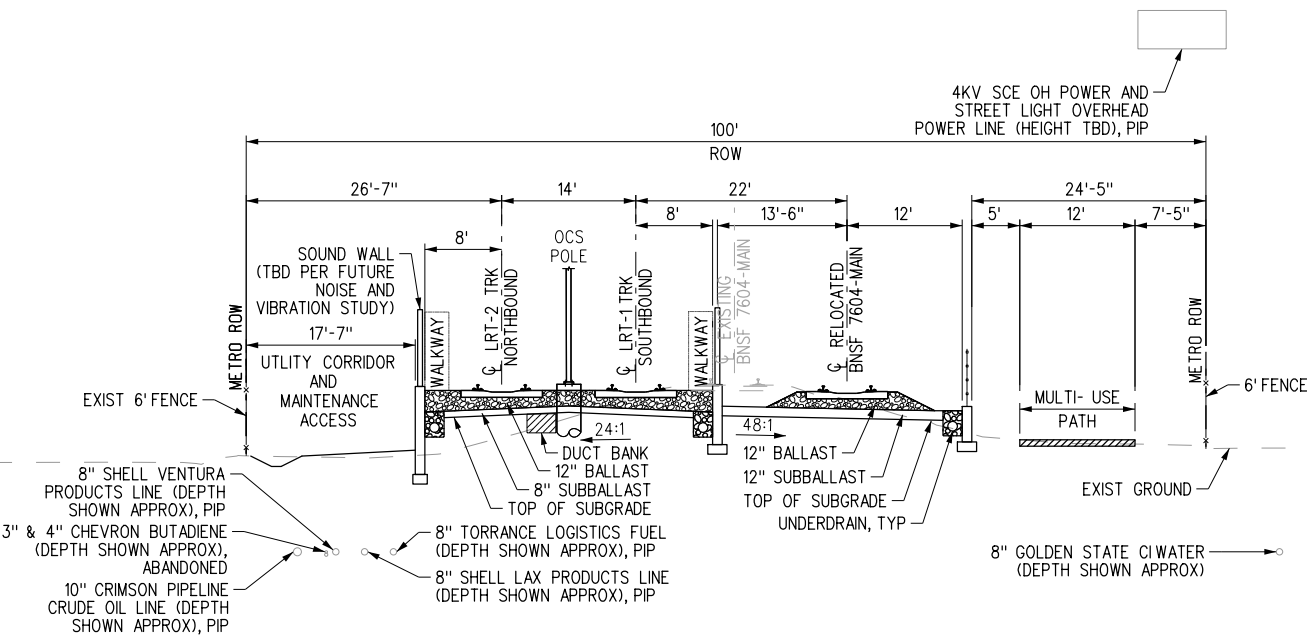
STV 100 Years

SUBMITTED: _____ PROJECT MANAGER
APPROVED: _____

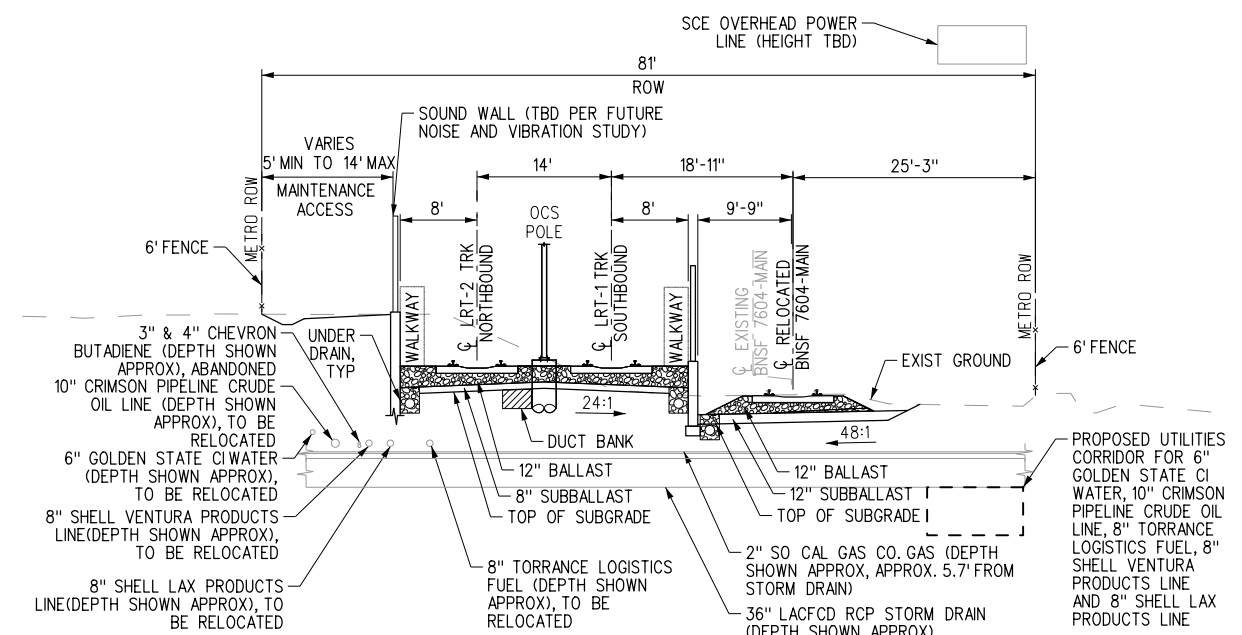
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT
TYPICAL SECTIONS
SHEET 2 OF 9

CONTRACT NO. AE63445001
DRAWING NO. TC-102
REVISION SHEET NO.
SCALE AS SHOWN

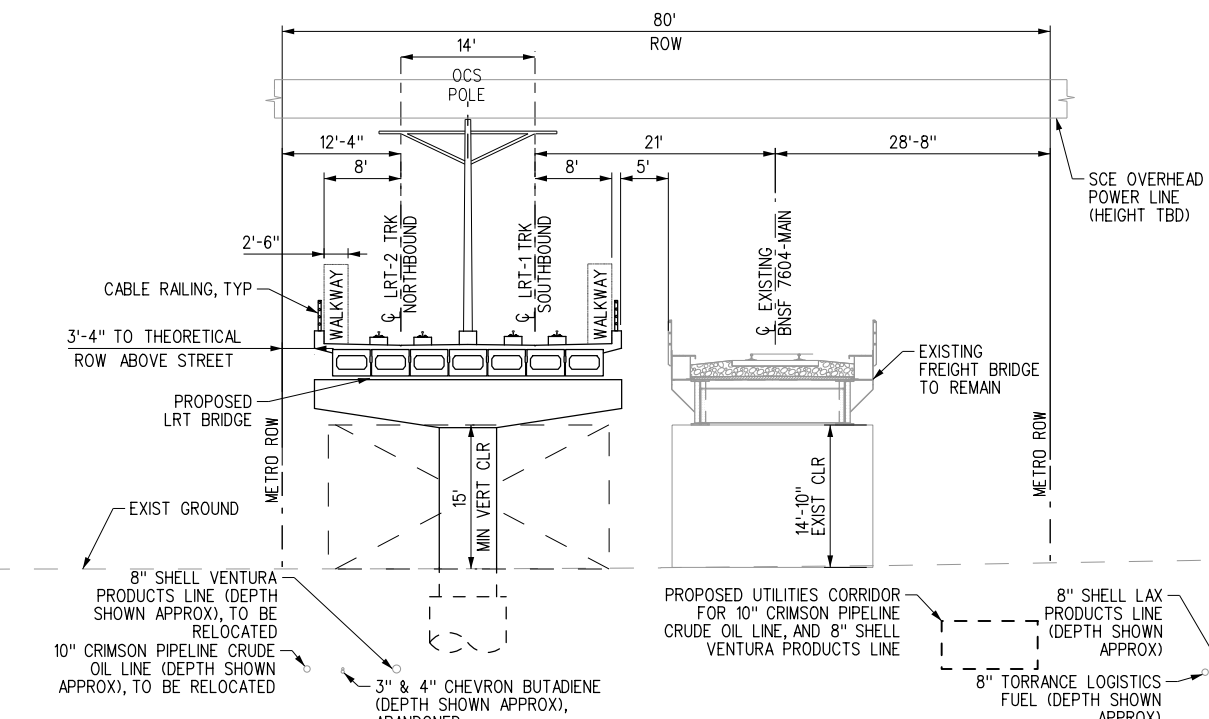
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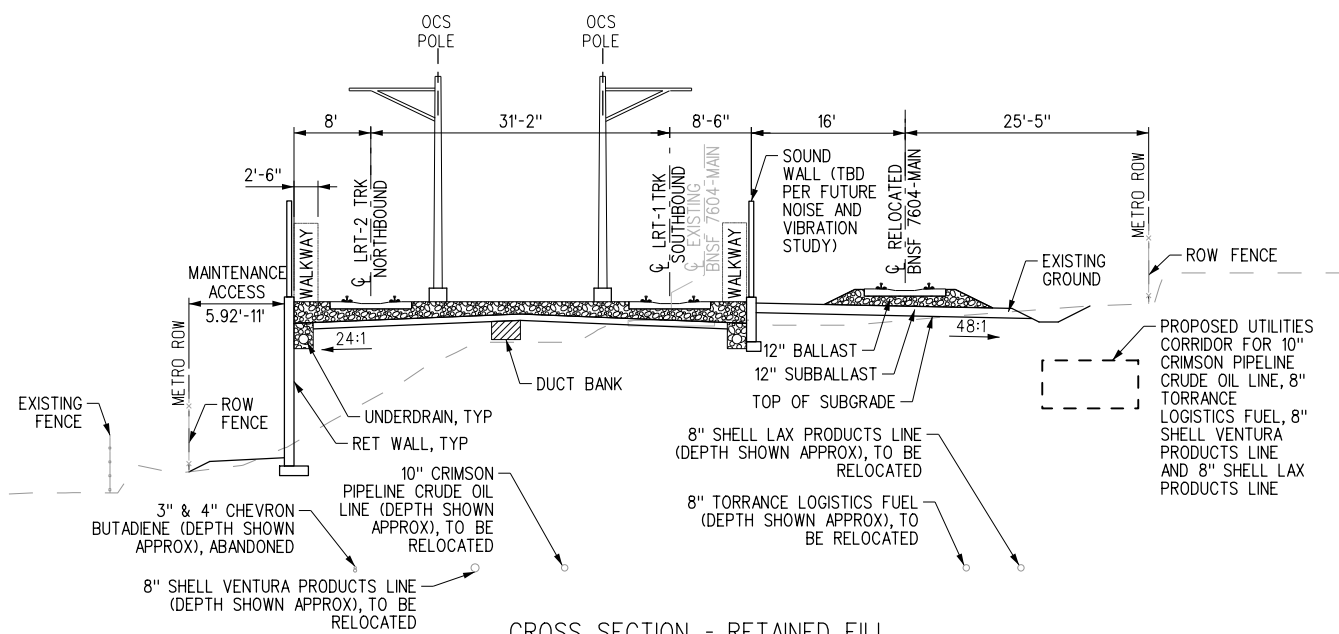
CROSS SECTION - NORTH OF 170TH ST
 SCALE: 1"=10'
 T-106
 T-406



CROSS SECTION - NORTH OF ARTESIA BLVD
 SCALE: 1"=10'
 T-108
 T-408



CROSS SECTION - BRIDGE AT ARTESIA BLVD
 SCALE: 1"=10'
 T-108
 T-408

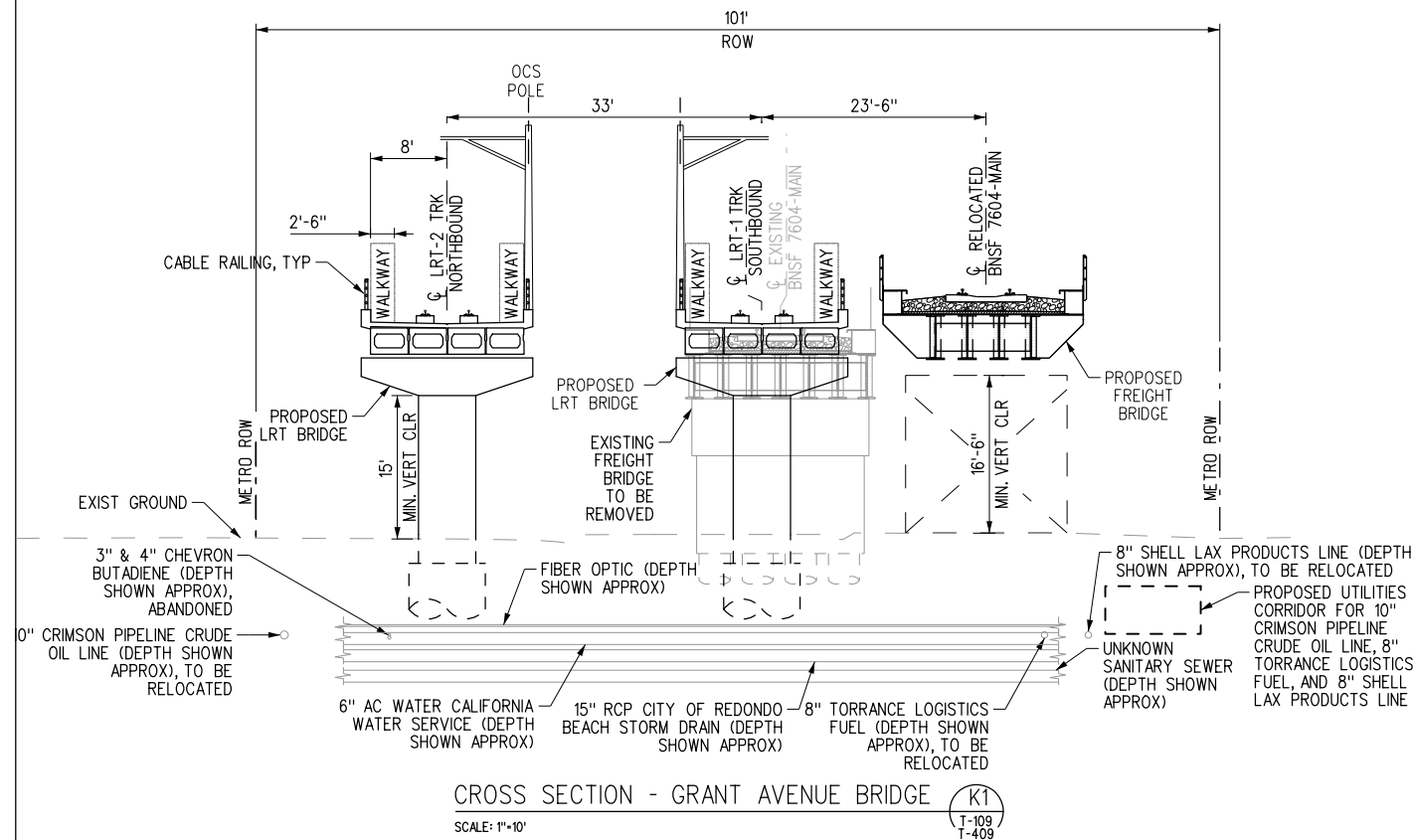


CROSS SECTION - RETAINED FILL NORTH OF GRANT AVE
 SCALE: 1"=10'
 T-109
 T-409

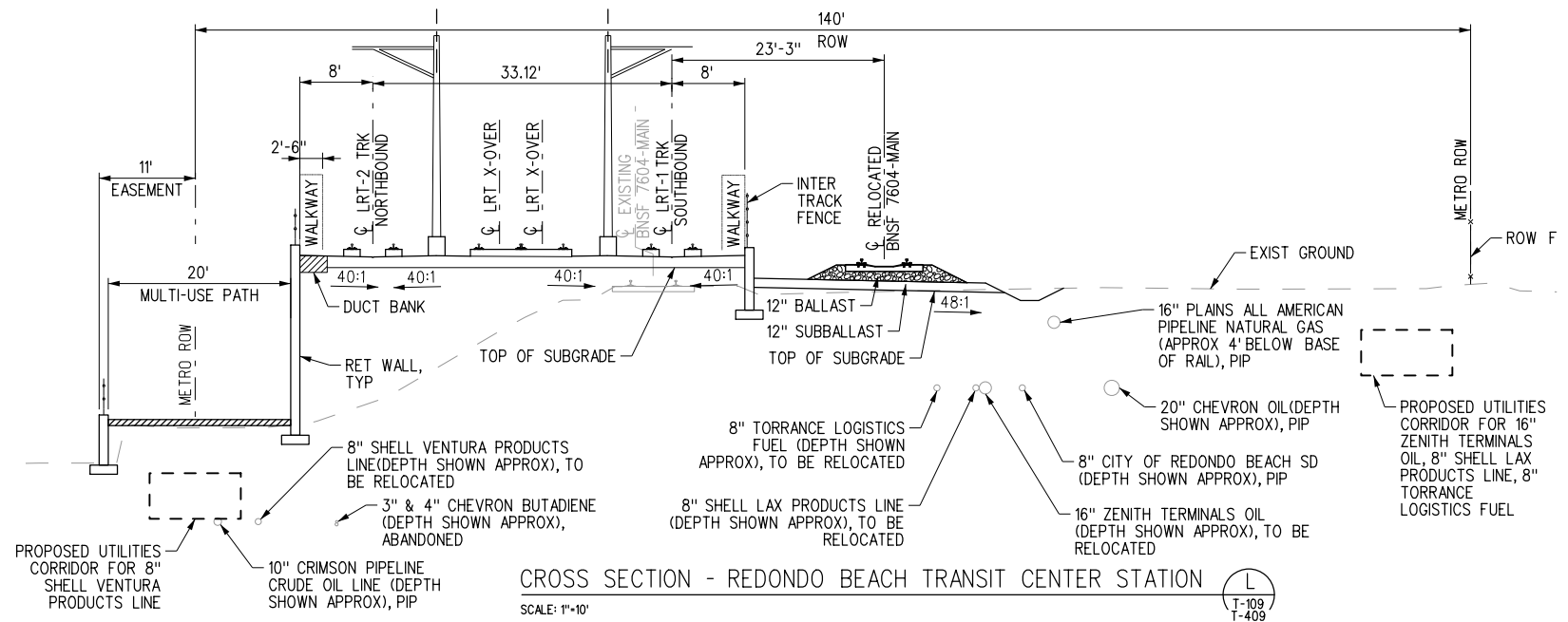
- NOTES:
- ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. LOCATION AND DEPTHS WILL BE CONFIRMED BY SITE INVESTIGATION FOR FUTURE UPDATE WHERE NECESSARY.
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<p>NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>	<p>DESIGNED BY J. GONZALEZ</p>	<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>	<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROPOSED PROJECT TYPICAL SECTIONS SHEET 3 OF 9</p>	<p>CONTRACT NO. AE63445001</p>
			<p>DRAWN BY B. EUN LLOVET</p>			<p>DRAWING NO. TC-103</p>
<p>REV.</p>	<p>DATE</p>	<p>BY</p>	<p>SUB.</p>	<p>APP.</p>	<p>APPROVED BY G. THOMPSON</p>	<p>REVISION SHEET NO.</p>
					<p>APPROVED BY A. SOKOL</p>	<p>SCALE AS SHOWN</p>
				<p>DATE 12/9/2022</p>	<p>SUBMITTED: PROJECT MANAGER</p>	
					<p>APPROVED:</p>	

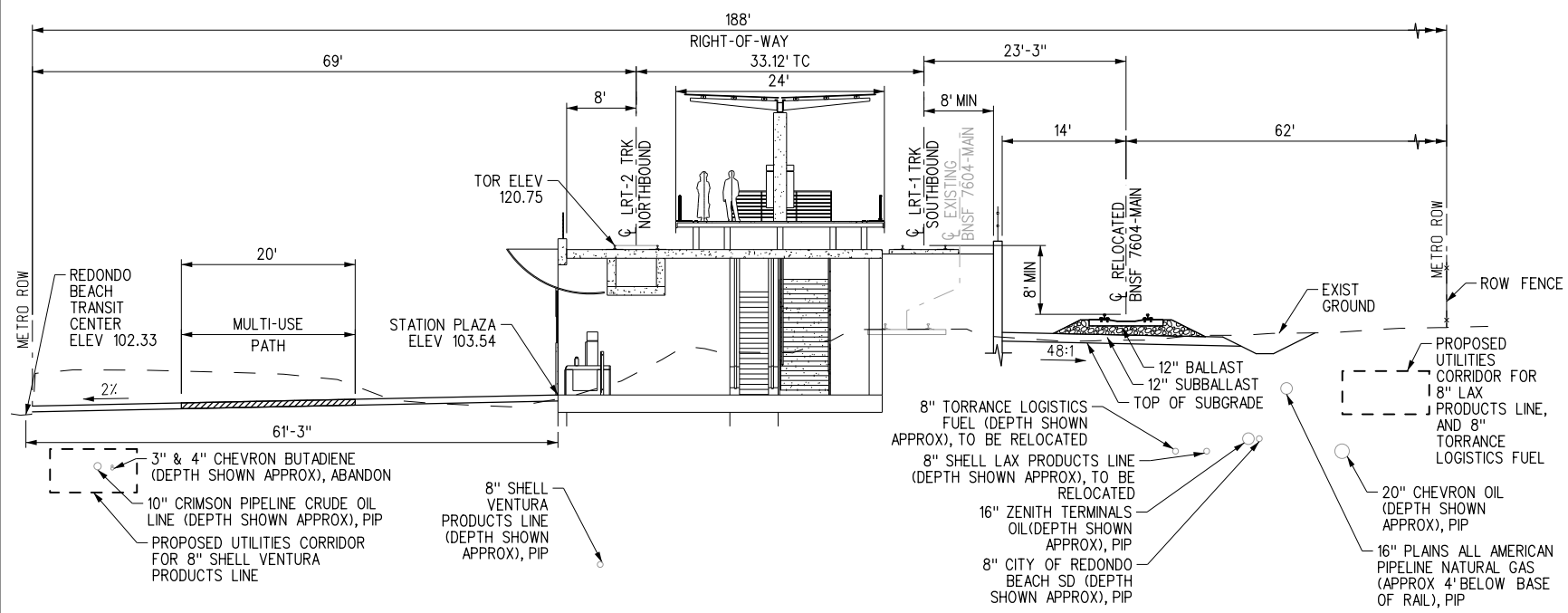
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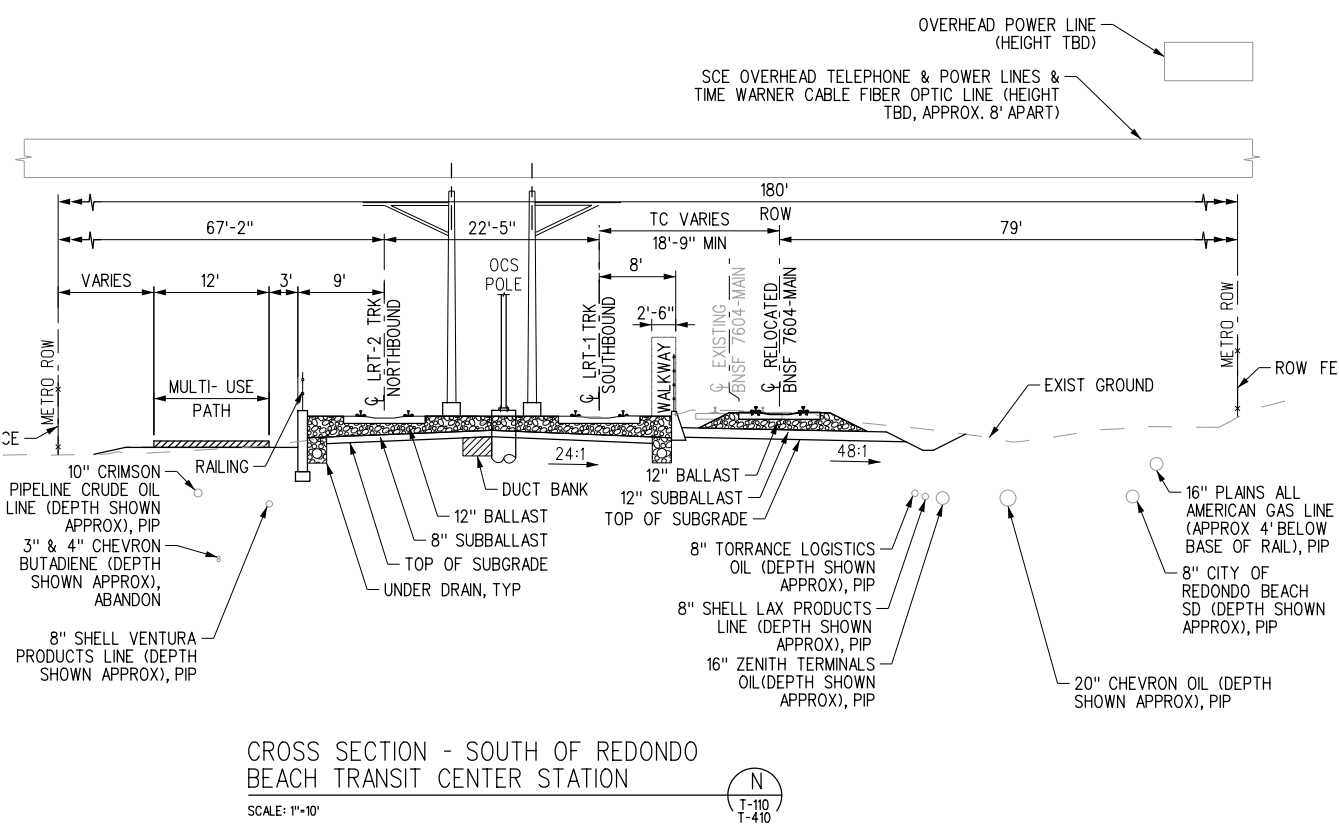
CROSS SECTION - GRANT AVENUE BRIDGE (K1)
SCALE: 1"=10'
T-109
T-409



CROSS SECTION - REDONDO BEACH TRANSIT CENTER STATION (L)
SCALE: 1"=10'
T-109
T-409



CROSS SECTION - SOUTH OF REDONDO BEACH TRANSIT CENTER STATION (M)
SCALE: 1"=10'
T-110
T-410



CROSS SECTION - SOUTH OF REDONDO BEACH TRANSIT CENTER STATION (N)
SCALE: 1"=10'
T-110
T-410

- NOTES:**
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REV.	DATE	BY	SUB.	APP.

DESIGNED BY	J. GONZALEZ
DRAWN BY	B. EUN LLOVET
CHECKED BY	G. THOMPSON
APPROVED BY	A. SOKOL
DATE	12/9/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

Metro

STV 100 Years

SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE

ADVANCED CONCEPTUAL ENGINEERING

PROPOSED PROJECT

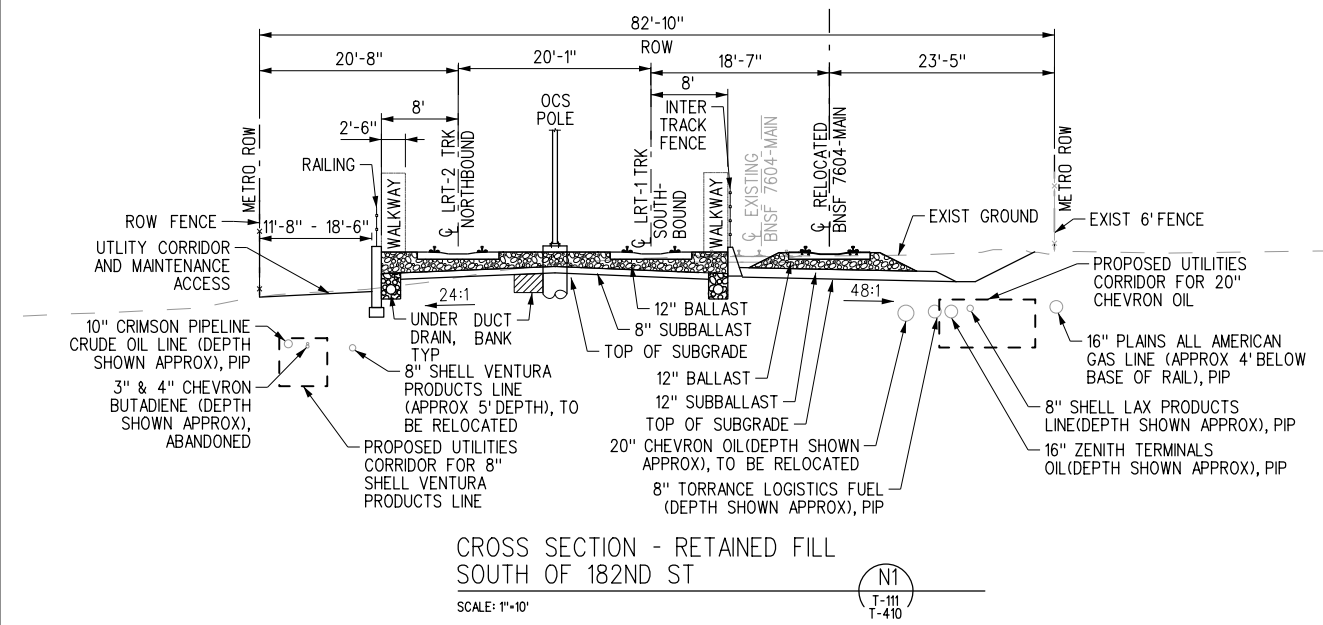
TYPICAL SECTIONS

SHEET 4 OF 9

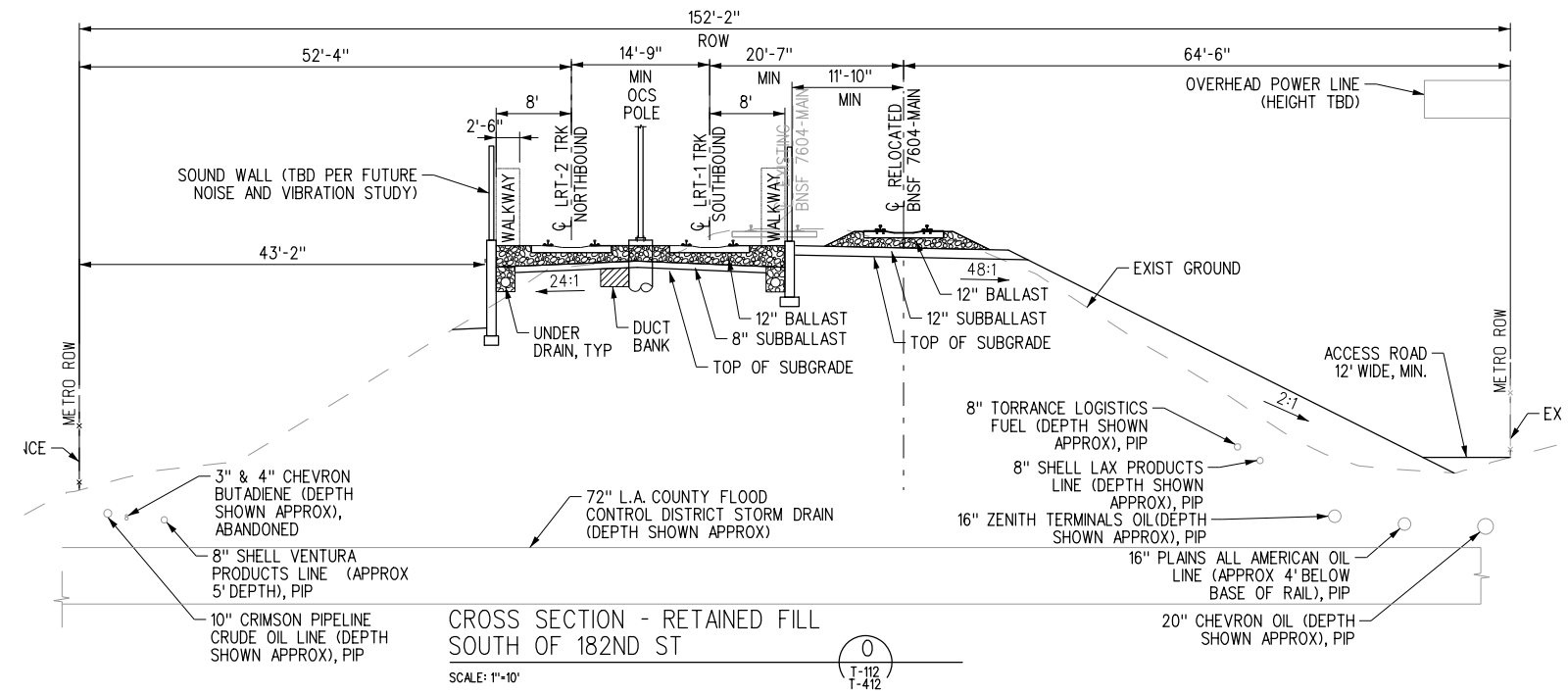
CONTRACT NO.	AE63445001
DRAWING NO.	TC-104
REVISION	SHEET NO.
SCALE	AS SHOWN

NOT FOR CONSTRUCTION

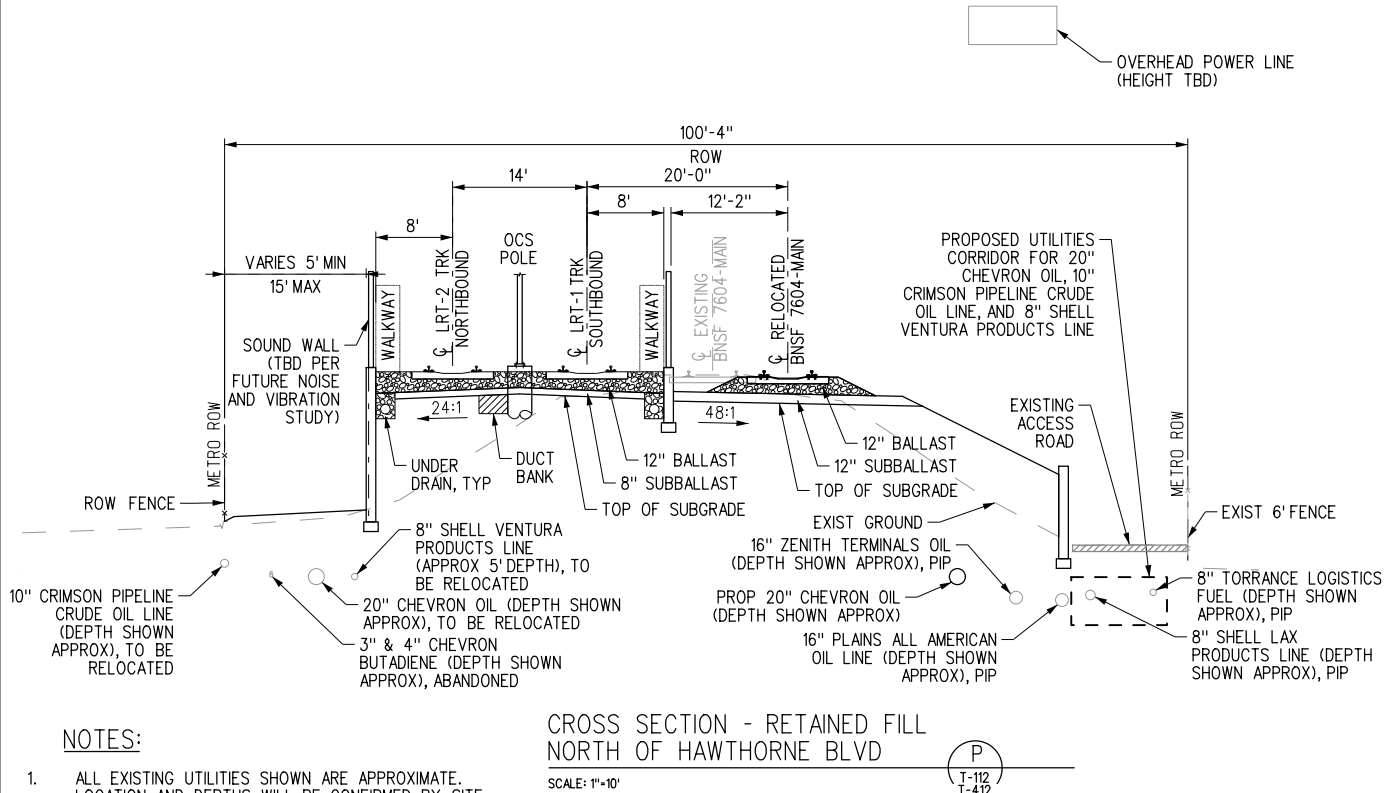
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CROSS SECTION - RETAINED FILL
 SOUTH OF 182ND ST
 SCALE: 1"=10'
 T-111
 T-410

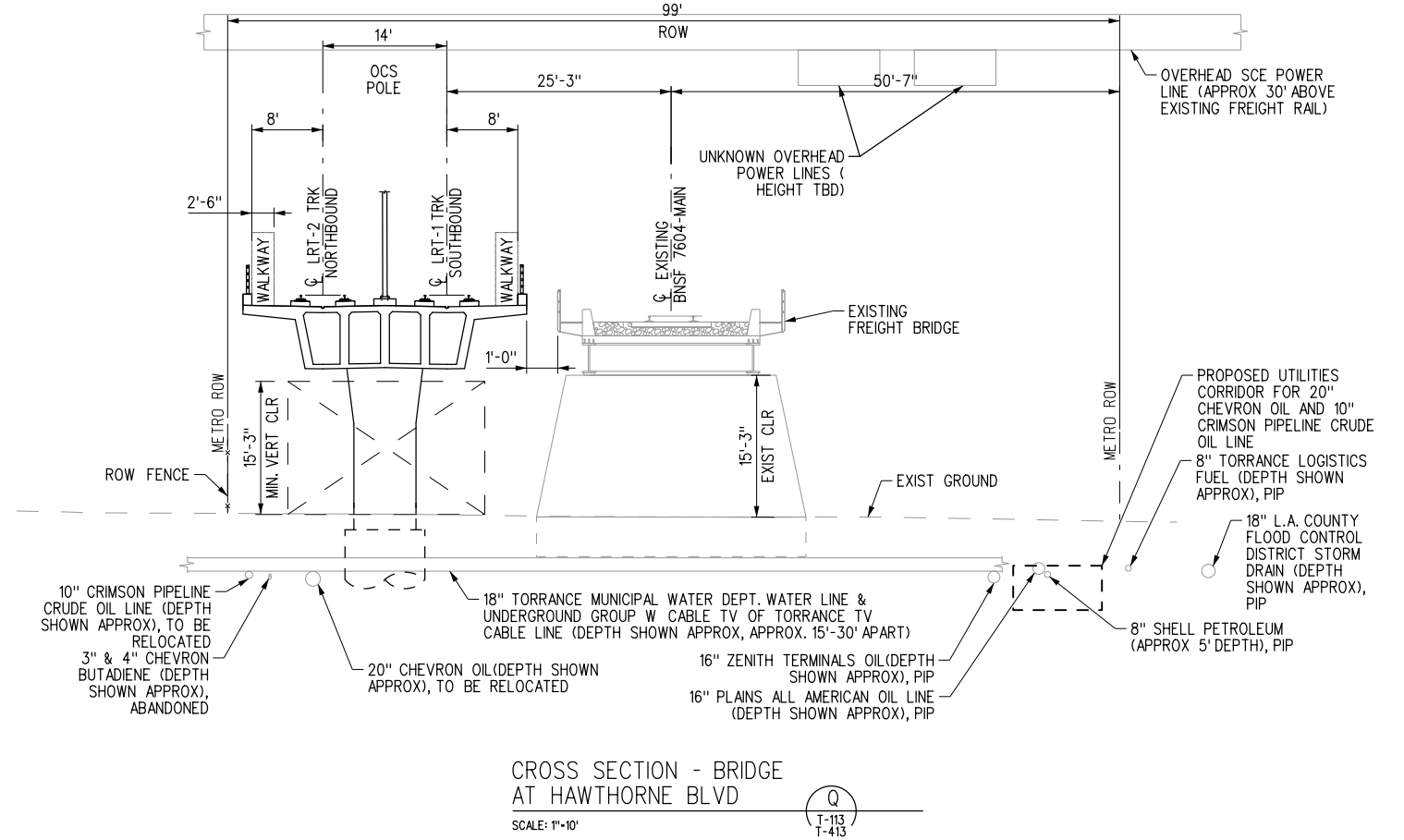


CROSS SECTION - RETAINED FILL
 SOUTH OF 182ND ST
 SCALE: 1"=10'
 T-112
 T-412



CROSS SECTION - RETAINED FILL
 NORTH OF HAWTHORNE BLVD
 SCALE: 1"=10'
 T-113
 T-413

- NOTES:**
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CROSS SECTION - BRIDGE
 AT HAWTHORNE BLVD
 SCALE: 1"=10'
 T-113
 T-413

NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

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DESIGNED BY
J. GONZALEZ
 DRAWN BY
B. EUN LLOVET
 CHECKED BY
G. THOMPSON
 APPROVED BY
A. SOKOL
 DATE
12/9/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

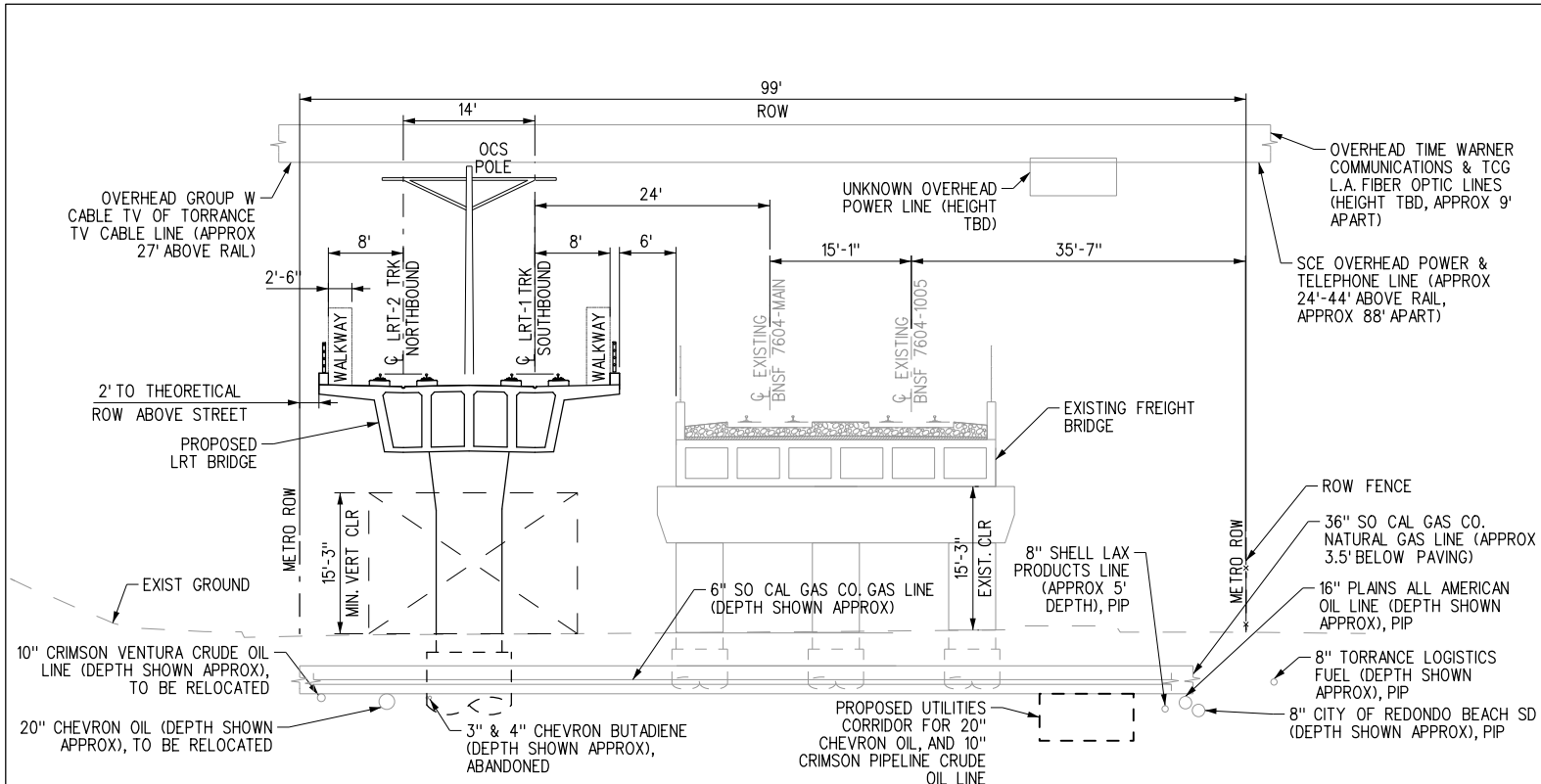
STV 100 Years

SUBMITTED: _____ PROJECT MANAGER
 APPROVED: _____

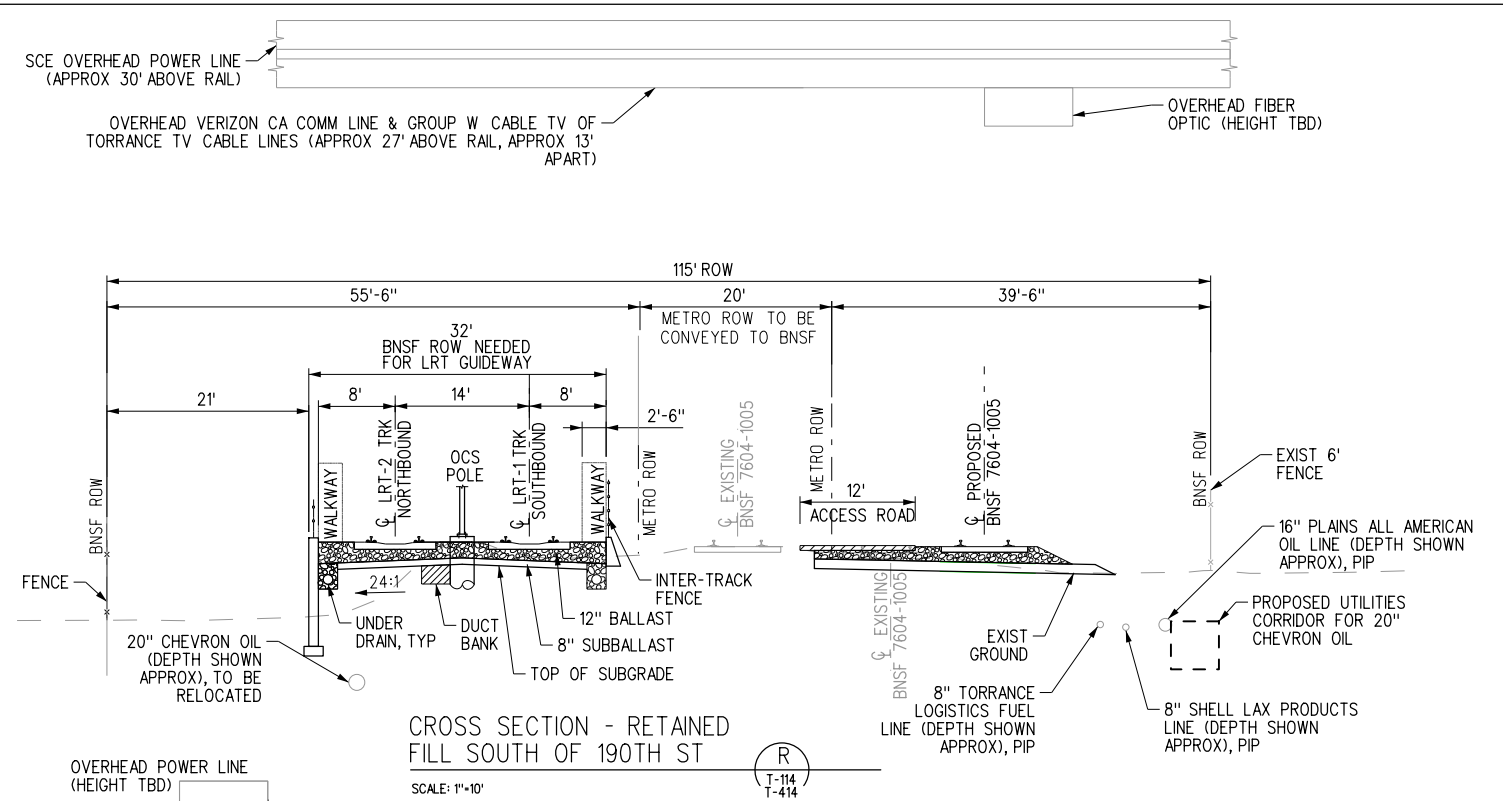
METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 PROPOSED PROJECT
 TYPICAL SECTIONS
 SHEET 5 OF 9

CONTRACT NO. AE63445001
 DRAWING NO. TC-105
 REVISION SHEET NO.
 SCALE AS SHOWN

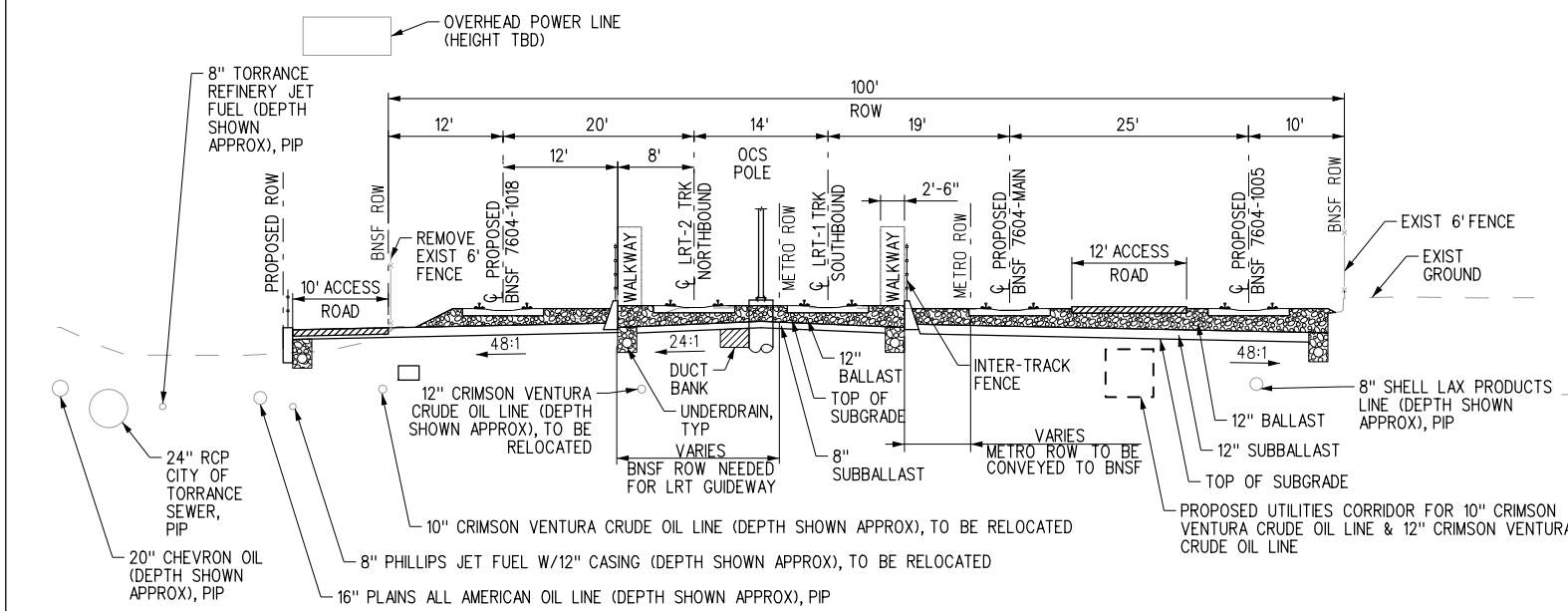
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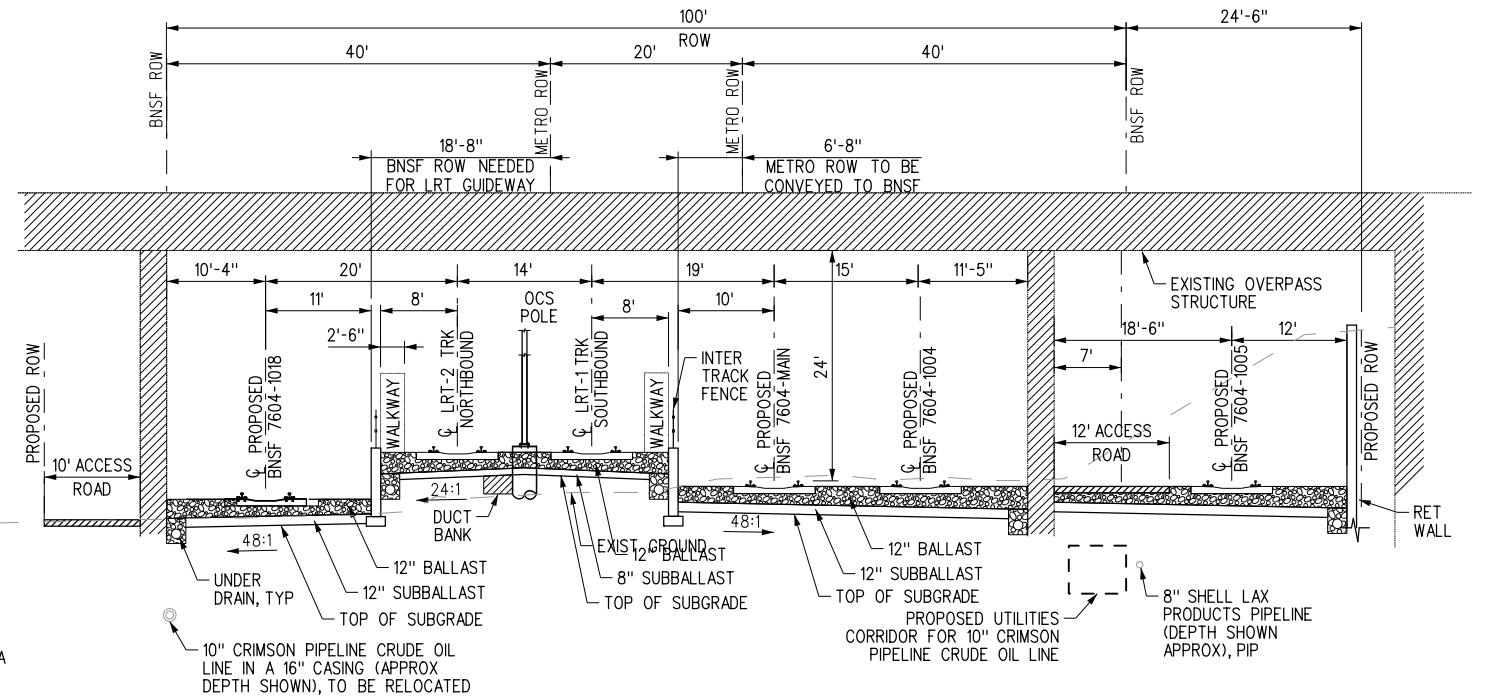
CROSS SECTION - BRIDGE AT 190TH ST
 SCALE: 1"=10' T-114 T-413



CROSS SECTION - RETAINED FILL SOUTH OF 190TH ST
 SCALE: 1"=10' T-114 T-414



CROSS SECTION - NORTH PRAIRIE
 SCALE: 1"=10' T-116 T-415

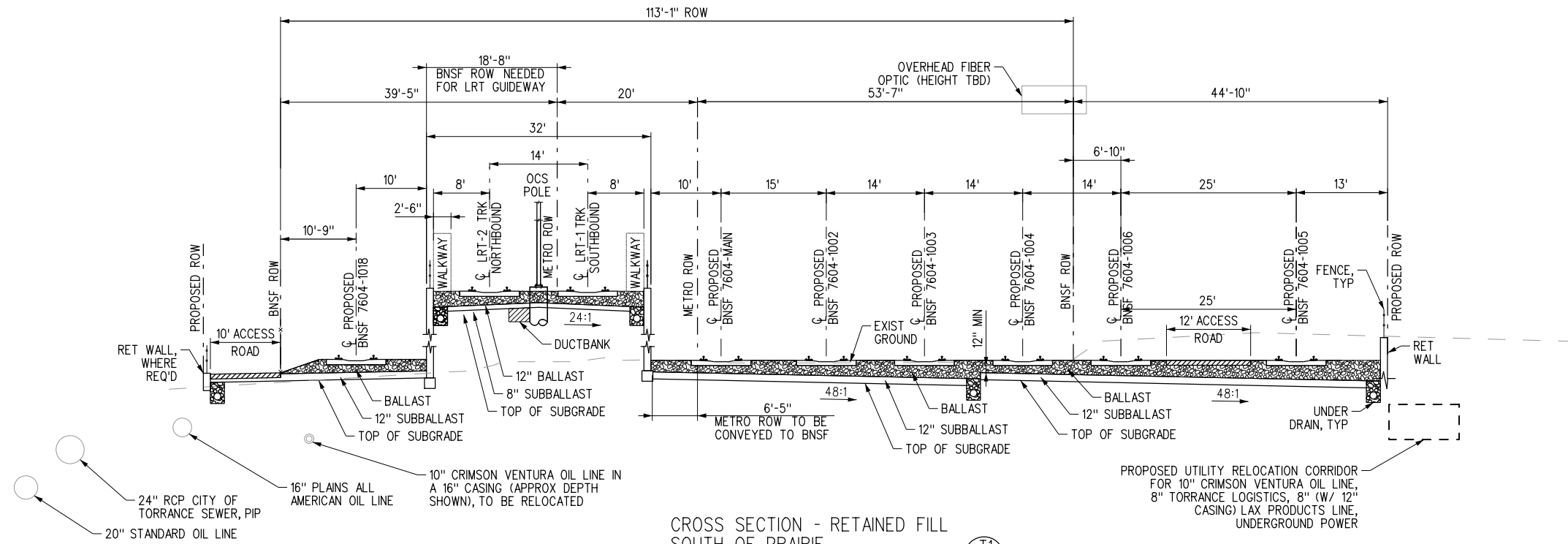


CROSS SECTION - OVERPASS AT PRAIRIE AVE
 SCALE: 1"=10' T-116 T-416

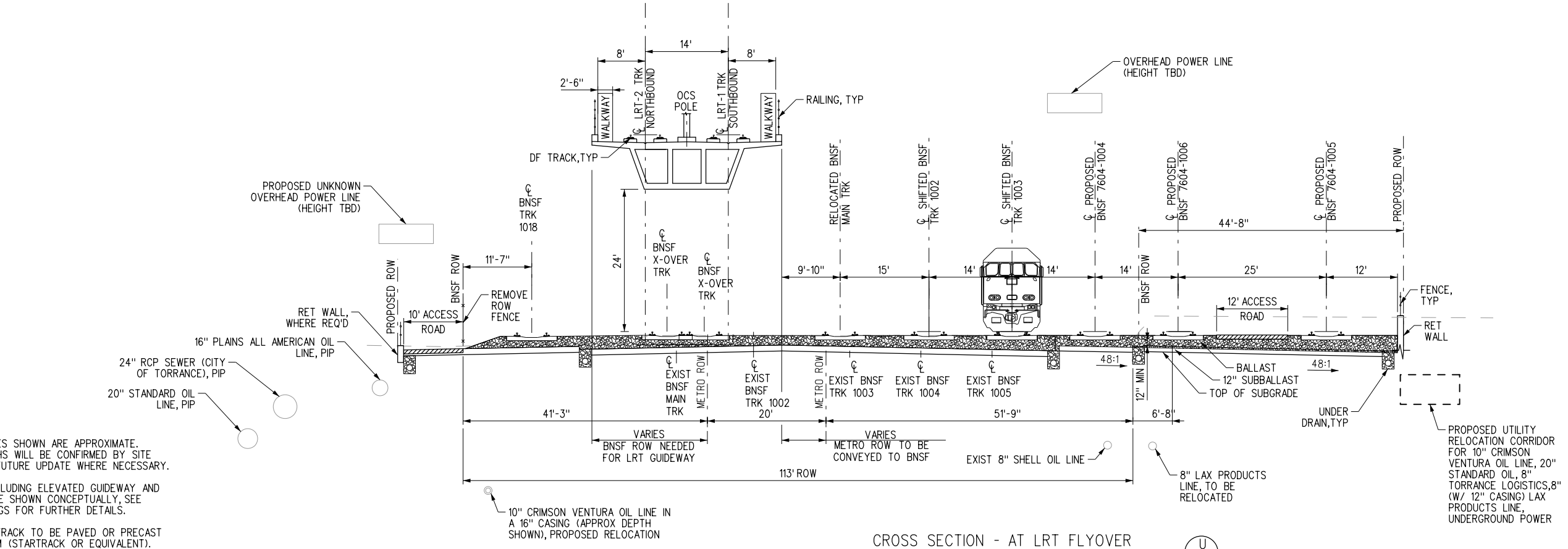
- NOTES:**
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<p style="font-size: 2em; opacity: 0.5; transform: rotate(-15deg);">NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>		<p>DESIGNED BY J. GONZALEZ</p> <p>DRAWN BY B. EUN LLOVET</p> <p>CHECKED BY G. THOMPSON</p> <p>APPROVED BY A. SOKOL</p> <p>DATE 12/9/2022</p>	<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p> <p>Metro</p>	<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE</p> <p>ADVANCED CONCEPTUAL ENGINEERING</p> <p>PROPOSED PROJECT</p> <p>TYPICAL SECTIONS</p> <p>SHEET 6 OF 9</p>	<p>CONTRACT NO. AE63445001</p> <p>DRAWING NO. TC-106</p> <p>REVISION SHEET NO.</p> <p>SCALE AS SHOWN</p>
		<p>REVISION SHEET NO.</p> <p>SCALE AS SHOWN</p>	<p>SUBMITTED: PROJECT MANAGER</p> <p>APPROVED:</p>				

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CROSS SECTION - RETAINED FILL SOUTH OF PRAIRIE
SCALE: 1"=10'



CROSS SECTION - AT LRT FLYOVER
SCALE: 1"=10'

- NOTES:**
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 - ALL STRUCTURES, INCLUDING ELEVATED GUIDEWAY AND RETAINING WALLS ARE SHOWN CONCEPTUALLY, SEE STRUCTURES DRAWINGS FOR FURTHER DETAILS.
 - ACCESS ROADS ON TRACK TO BE PAVED OR PRECAST TIELESS TUB SYSTEM (STARTRACK OR EQUIVALENT).

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DESIGNED BY J. GONZALEZ
DRAWN BY B. EUN LLOVET
CHECKED BY G. THOMPSON
APPROVED BY A. SOKOL
DATE 12/9/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

Metro

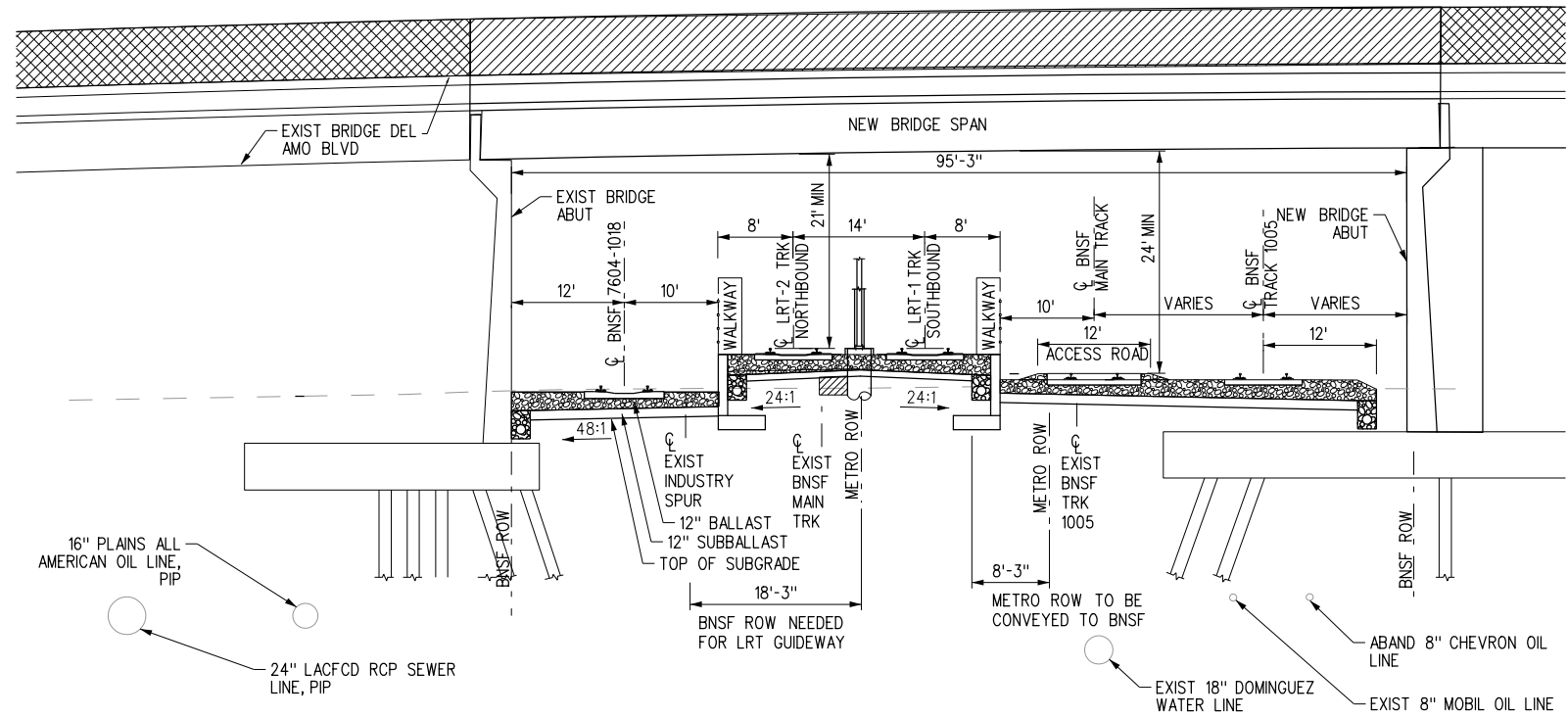
STV 100 Years

SUBMITTED: _____ PROJECT MANAGER
APPROVED: _____

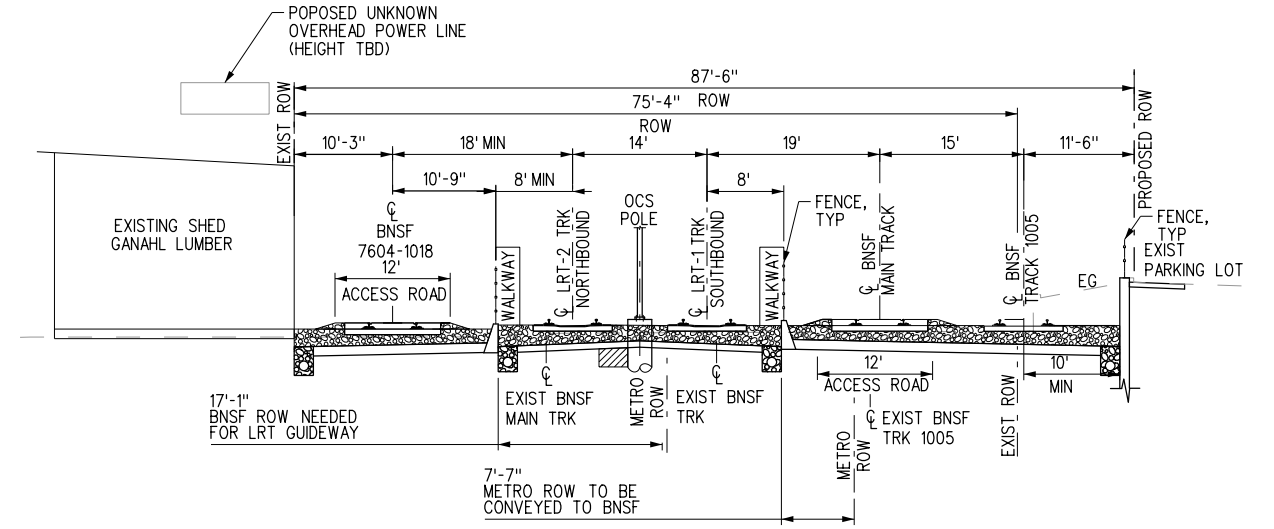
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT
TYPICAL SECTIONS
SHEET 7 OF 9

CONTRACT NO. AE63445001	
DRAWING NO. TC-107	
REVISION	SHEET NO.
SCALE	AS SHOWN

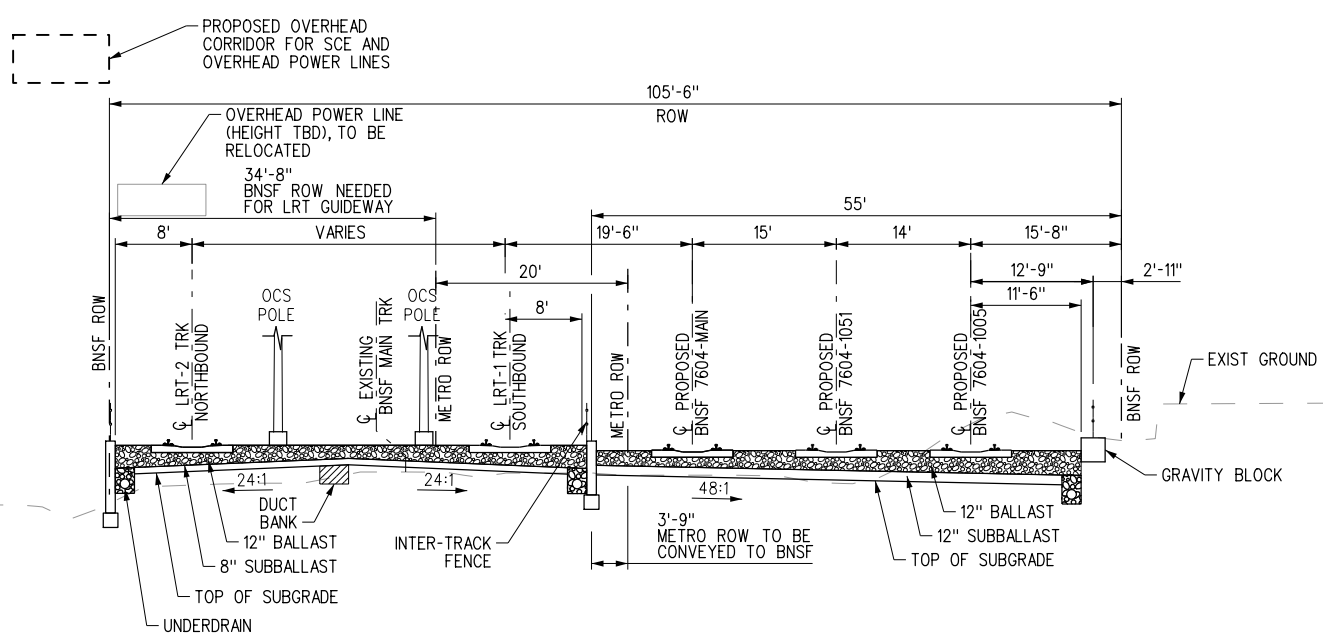
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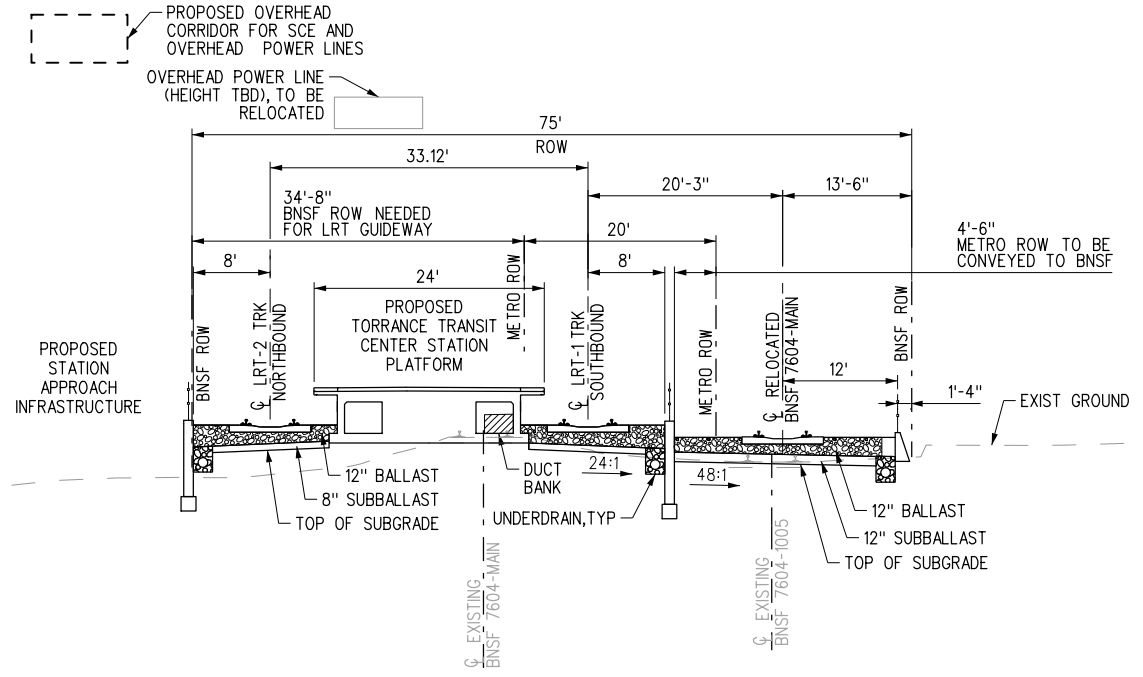
CROSS SECTION - PROPOSED CONDITIONS AT DEL AMO BRIDGE
 SCALE: 1"=10'
 T-118
 T-418



CROSS SECTION - PROPOSED CONDITIONS-SOUTH OF DEL AMO BLVD
 SCALE: 1"=10'
 T-119
 T-419



CROSS SECTION - RETAINED FILL
 NORTH OF TORRANCE TRANSIT CENTER STATION
 SCALE: 1"=10'
 T-120
 T-420

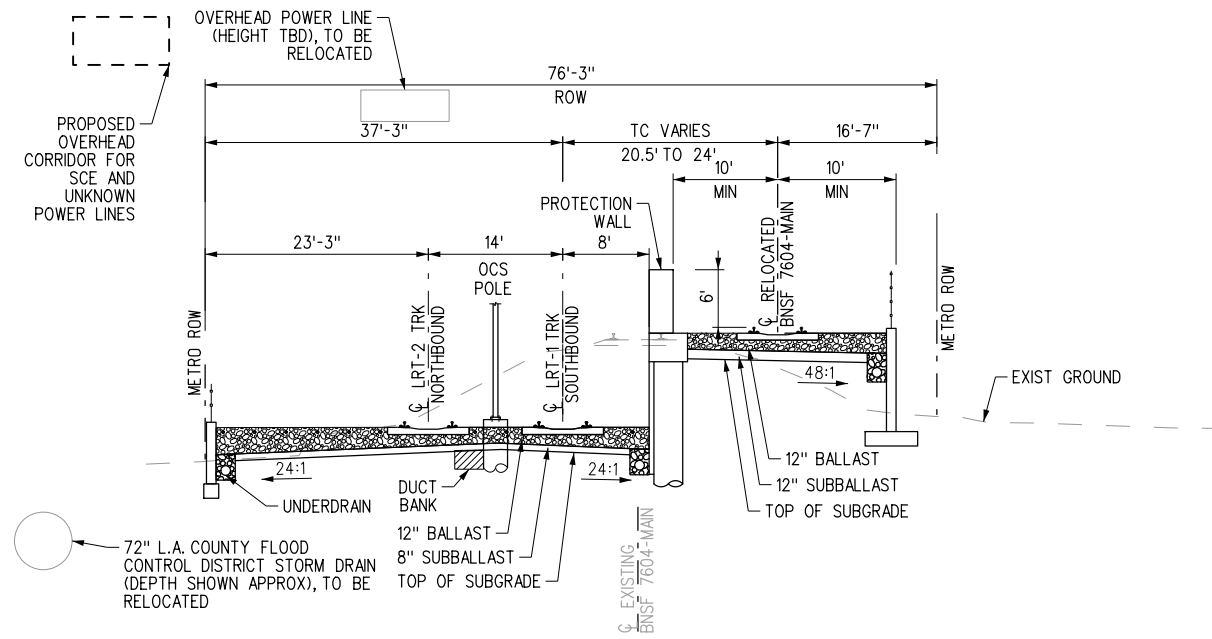


CROSS SECTION - RETAINED FILL
 AT TORRANCE TRANSIT CENTER STATION
 SCALE: 1"=10'
 T-121
 T-421

- NOTES:**
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<p style="font-size: 2em; opacity: 0.5; transform: rotate(-15deg);">NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>		<p>DESIGNED BY J. GONZALEZ</p> <p>DRAWN BY B. EUN LLOVET</p> <p>CHECKED BY G. THOMPSON</p> <p>APPROVED BY A. SOKOL</p> <p>DATE 12/9/2022</p>		<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p> <p>Metro</p>		<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE</p> <p>ADVANCED CONCEPTUAL ENGINEERING</p> <p>PROPOSED PROJECT</p> <p>TYPICAL SECTIONS</p> <p>SHEET 8 OF 9</p>		<p>CONTRACT NO. AE63445001</p> <p>DRAWING NO. TC-108</p> <p>REVISION SHEET NO.</p> <p>SCALE AS SHOWN</p>	
		<p>BY SUB. APP.</p>		<p>SUBMITTED: _____ PROJECT MANAGER</p> <p>APPROVED: _____</p>		<p>STV 100 Years</p>		<p>AS SHOWN</p>		<p>SCALE AS SHOWN</p>	

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CROSS SECTION - SOUTH OF TORRANCE TRANSIT CENTER STATION

SCALE: 1"=10'



NOTES:

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DESIGNED BY
J. GONZALEZ
 DRAWN BY
B. EUN LLOVET
 CHECKED BY
G. THOMPSON
 APPROVED BY
A. SOKOL
 DATE
12/9/2022



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

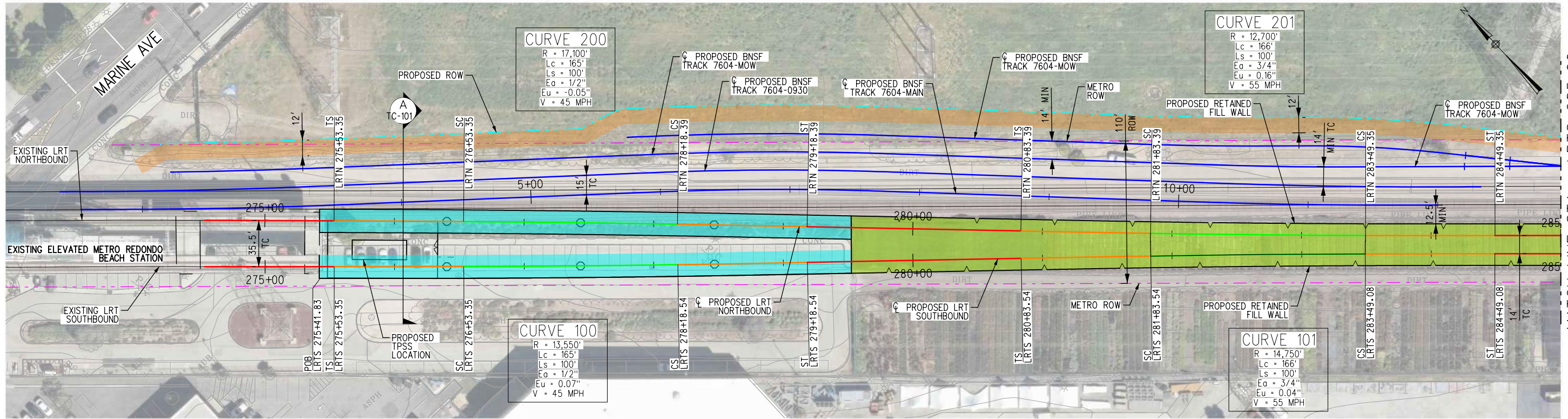
METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 PROPOSED PROJECT
 TYPICAL SECTIONS
 SHEET 9 OF 9

CONTRACT NO. AE63445001
 DRAWING NO. TC-109
 REVISION SHEET NO.
 SCALE AS SHOWN

REV.	DATE	BY	SUB.	APP.

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



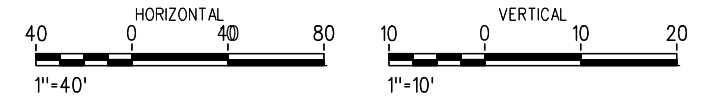
MATCH LINE STA - LRTS 285+00
SEE DRAWING T-102

TRACK LEGEND

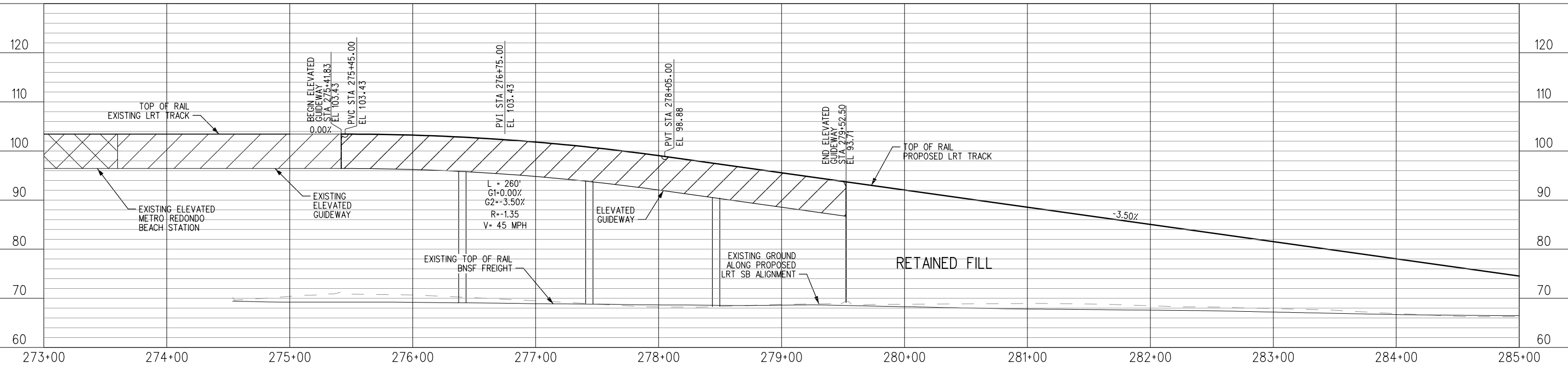
- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- EXISTING LRT TRACK
- PROPOSED RETAINED FILL
- PROPOSED ELEVATED GUIDEWAY OR BRIDGE
- PROPOSED BNSF ACCESS ROAD
- PROPOSED MULTI-USE PATH (W/PED LIGHTING)

NOTE:

1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



PLAN



PROFILE

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DESIGNED BY
J. GONZALEZ
DRAWN BY
O. PLASCENCIA
CHECKED BY
G. THOMPSON
APPROVED BY
A. SOKOL
DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

Metro

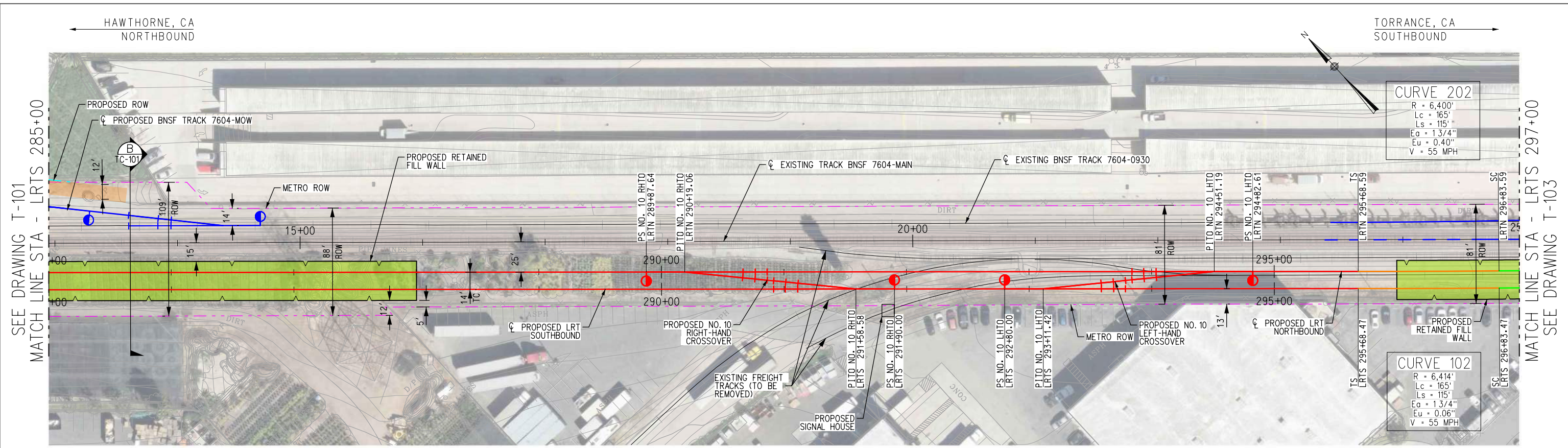
STV 100 Years

SUBMITTED: _____ PROJECT MANAGER
APPROVED: _____

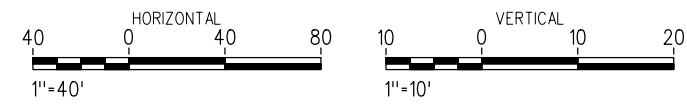
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - TRACK PLAN & PROFILE
LRTS 273+00 TO LRTS 285+00
SHEET 1 OF 21

CONTRACT NO. AE63445001	
DRAWING NO. T-101	
REVISION	SHEET NO.
SCALE	AS SHOWN

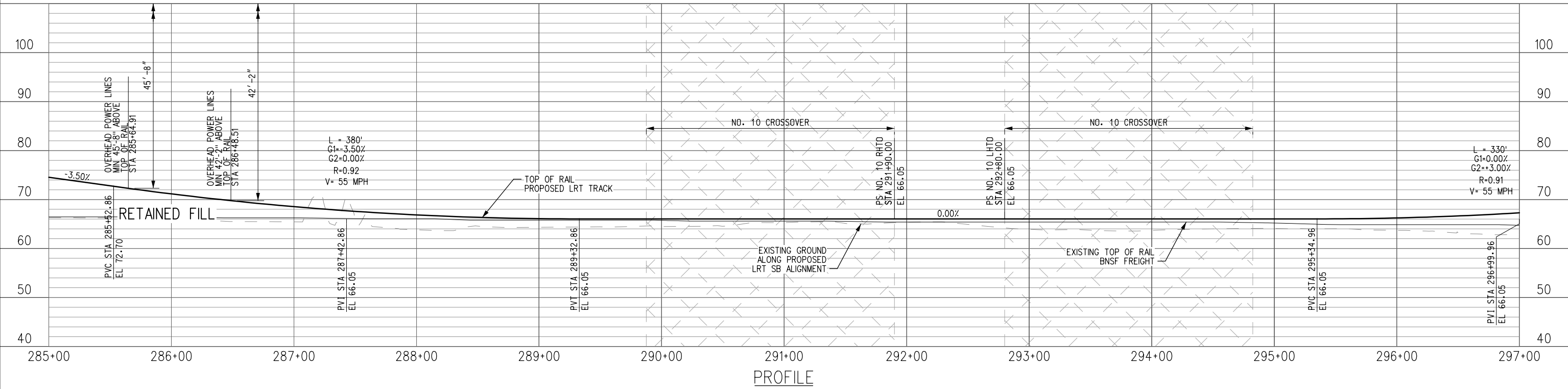
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NOTE:
 1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.

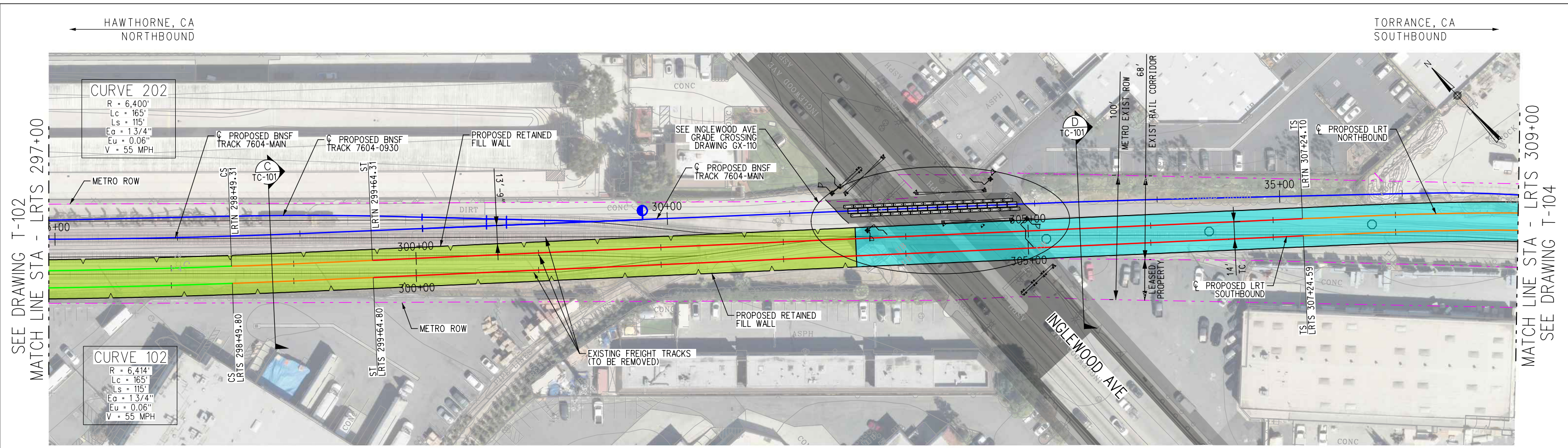


PLAN



NOT FOR CONSTRUCTION	INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.	DESIGNED BY J. GONZALEZ	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROPOSED PROJECT - TRACK PLAN & PROFILE LRTS 285+00 TO LRTS 297+00 SHEET 2 OF 21	CONTRACT NO. AE63445001
	DRAWN BY O. PLASCENCIA	DRAWING NO. T-102			
	CHECKED BY G. THOMPSON	REVISION SHEET NO.			
APPROVED BY A. SOKOL	SCALE AS SHOWN	DATE 12/9/2022	SUBMITTED: _____ PROJECT MANAGER	APPROVED: _____	

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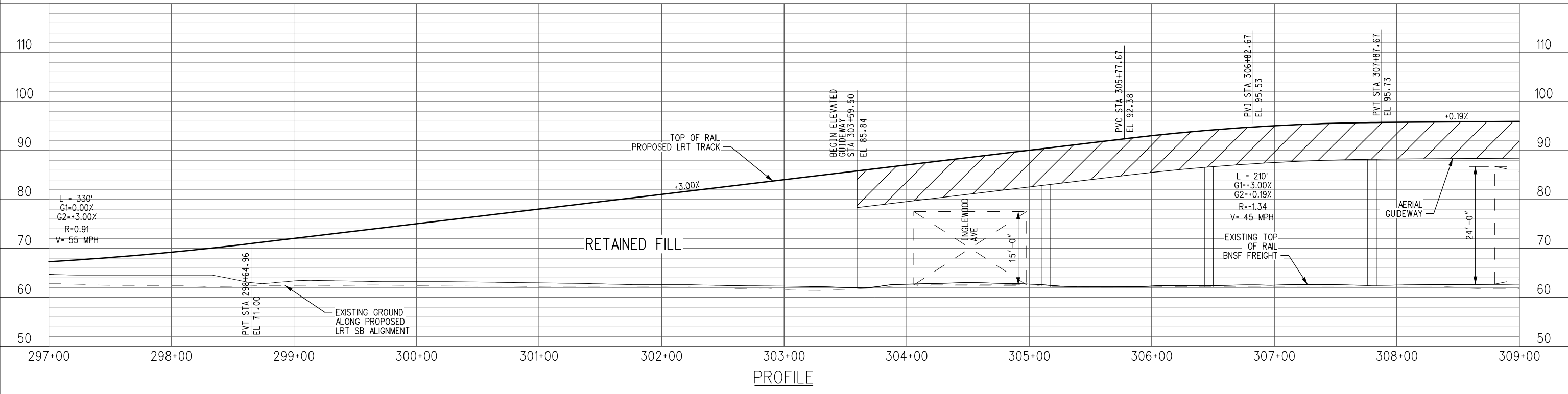


TRACK LEGEND	
	PROPOSED TANGENT TRACK
	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
	EXISTING FREIGHT TRACK
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED BNSF ACCESS ROAD
	PROPOSED MULTI-USE PATH (W/PED LIGHTING)

NOTE:
 1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



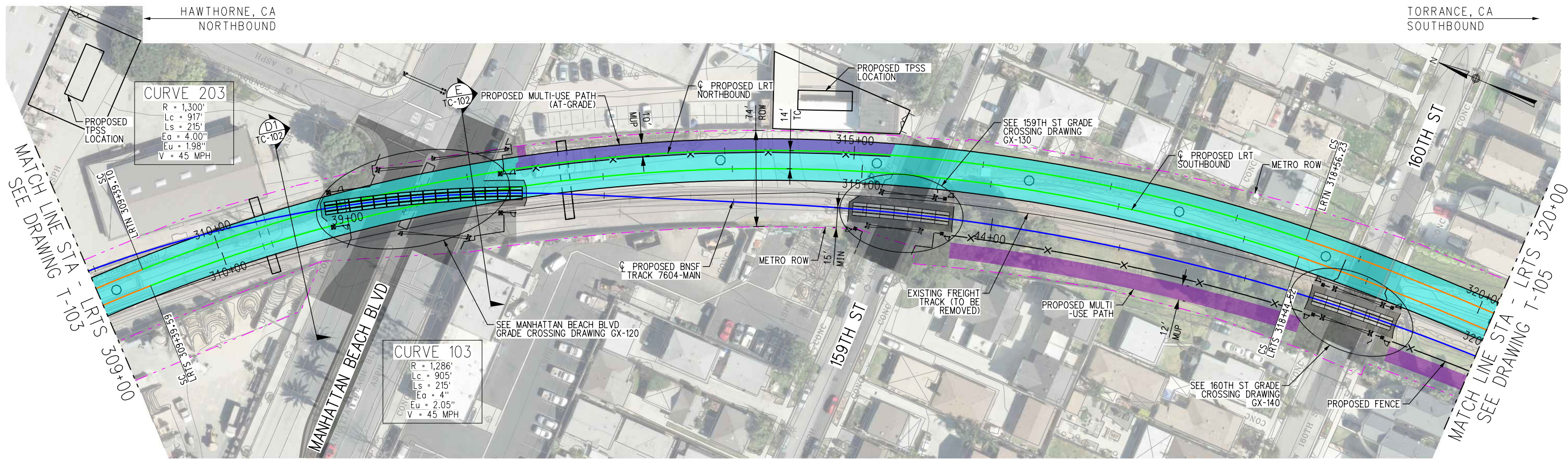
PLAN



PROFILE

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	<p>REV. DATE BY SUB. APP.</p>	<p>SUBMITTED: _____ PROJECT MANAGER APPROVED: _____</p>			

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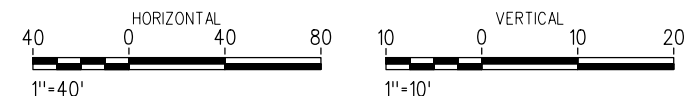


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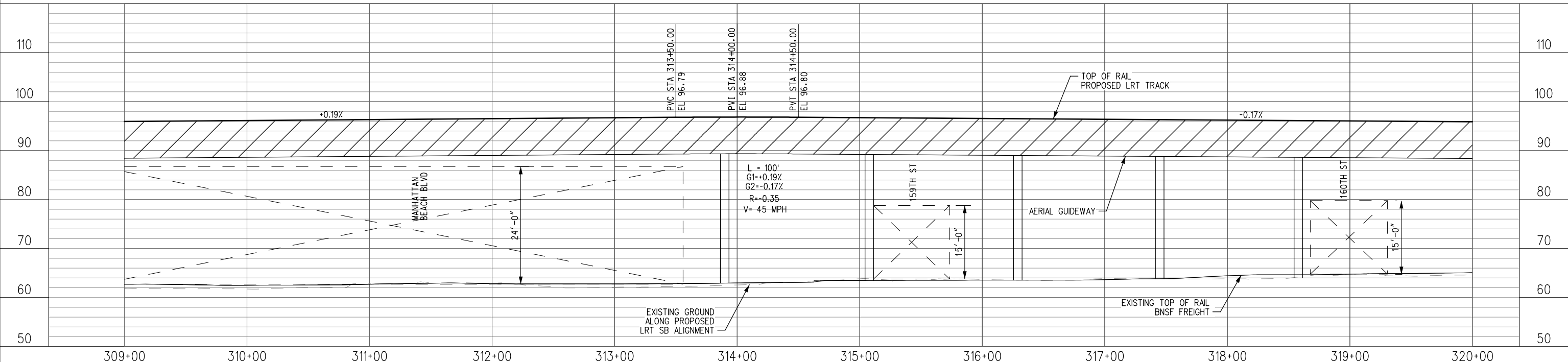
- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- PROPOSED RETAINED FILL
- PROPOSED ELEVATED GUIDEWAY OR BRIDGE
- PROPOSED MULTI-USE PATH (W/PED LIGHTING)
- PROPOSED BNSF ACCESS ROAD

NOTE:

1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



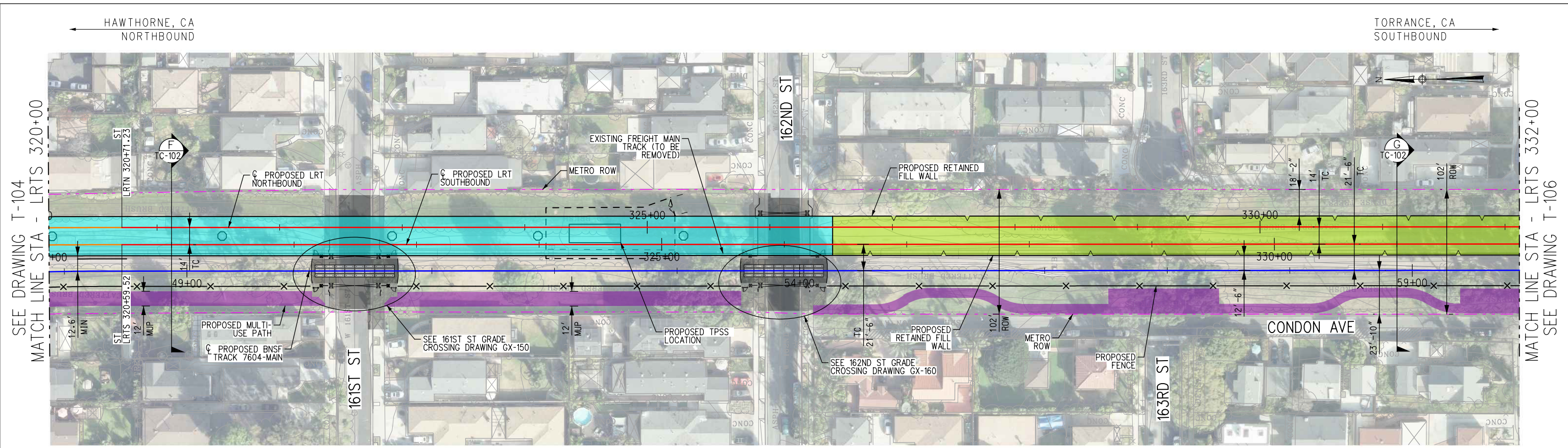
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PROFILE

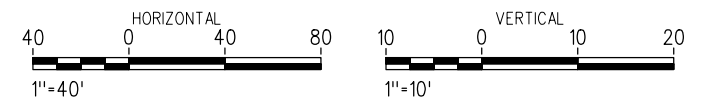
NOT FOR CONSTRUCTION	INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.	DESIGNED BY: J. GONZALEZ DRAWN BY: O. PLASCENCIA CHECKED BY: G. THOMPSON APPROVED BY: A. SOKOL DATE: 12/9/2022	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROPOSED PROJECT - TRACK PLAN & PROFILE LRTS 309+00 TO LRTS 320+00 SHEET 4 OF 21	CONTRACT NO. AE63445001 DRAWING NO. T-104 REVISION SHEET NO. SCALE AS SHOWN
	SUBMITTED: _____ PROJECT MANAGER APPROVED: _____				

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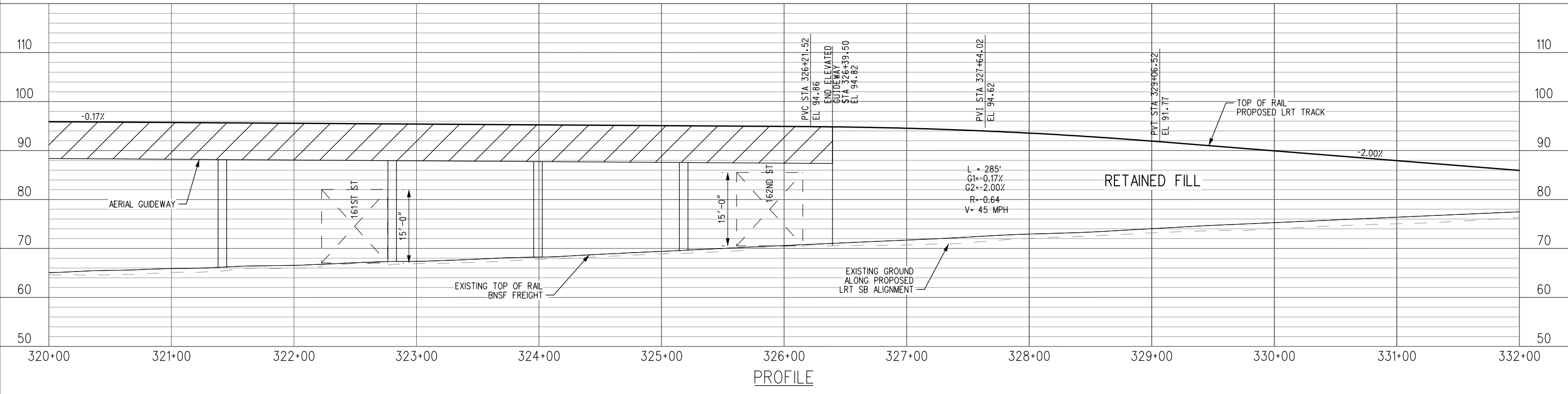


TRACK LEGEND			
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	PROPOSED SPIRAL TRACK		PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED CURVE TRACK		PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	PROPOSED FREIGHT TRACK		PROPOSED BNSF ACCESS ROAD
	EXISTING FREIGHT TRACK		

NOTE:
 1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



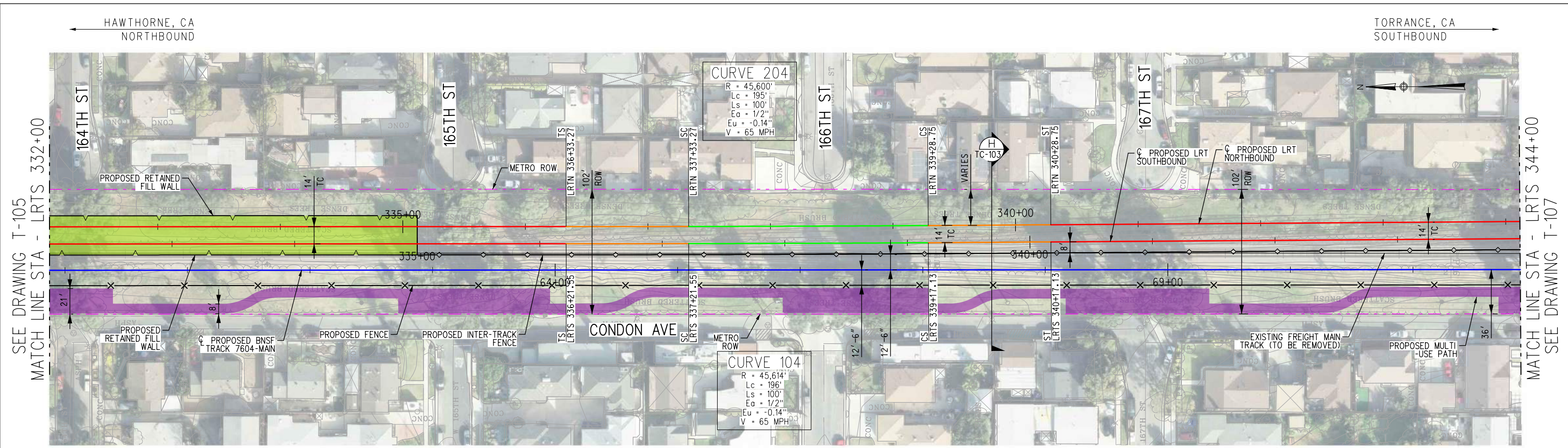
PLAN



PROFILE

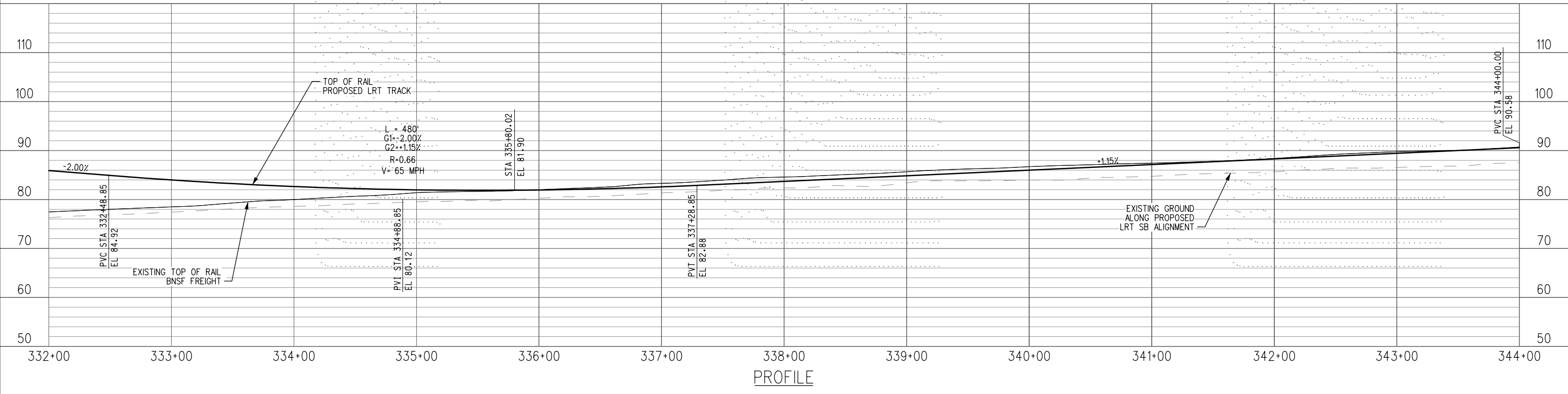
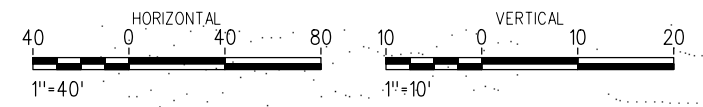
<p style="font-size: 2em; font-weight: bold;">NOT FOR CONSTRUCTION</p>	<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>	<p>DESIGNED BY J. GONZALEZ</p> <p>DRAWN BY O. PLASCENCIA</p> <p>CHECKED BY G. THOMPSON</p> <p>APPROVED BY A. SOKOL</p> <p>DATE 12/9/2022</p>	<p style="text-align: center;"> LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY </p>	<p style="text-align: center;"> METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROPOSED PROJECT - TRACK PLAN & PROFILE LRTS 320+00 TO LRTS 332+00 SHEET 5 OF 21 </p>	<p>CONTRACT NO. AE63445001 DRAWING NO. T-105</p> <p>REVISION SHEET NO.</p> <p>SCALE AS SHOWN</p>
	<p>REV. DATE</p>	<p>BY SUB. APP.</p>	<p>SUBMITTED: PROJECT MANAGER</p> <p>APPROVED:</p>		

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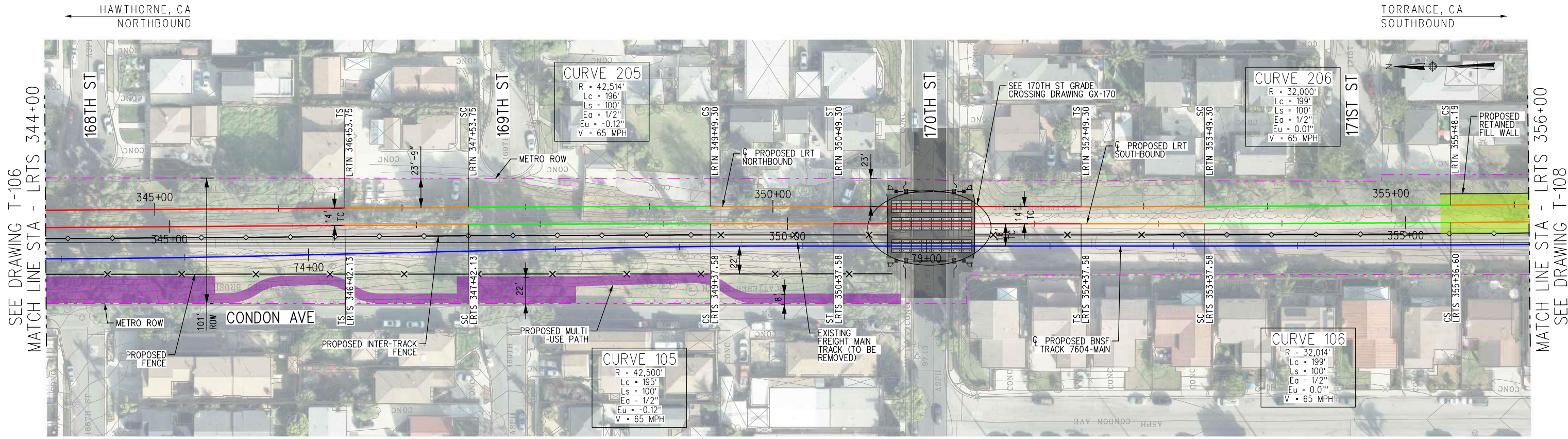
TRACK LEGEND	
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	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
	PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED BNSF ACCESS ROAD
	EXISTING FREIGHT TRACK

NOTE:
1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



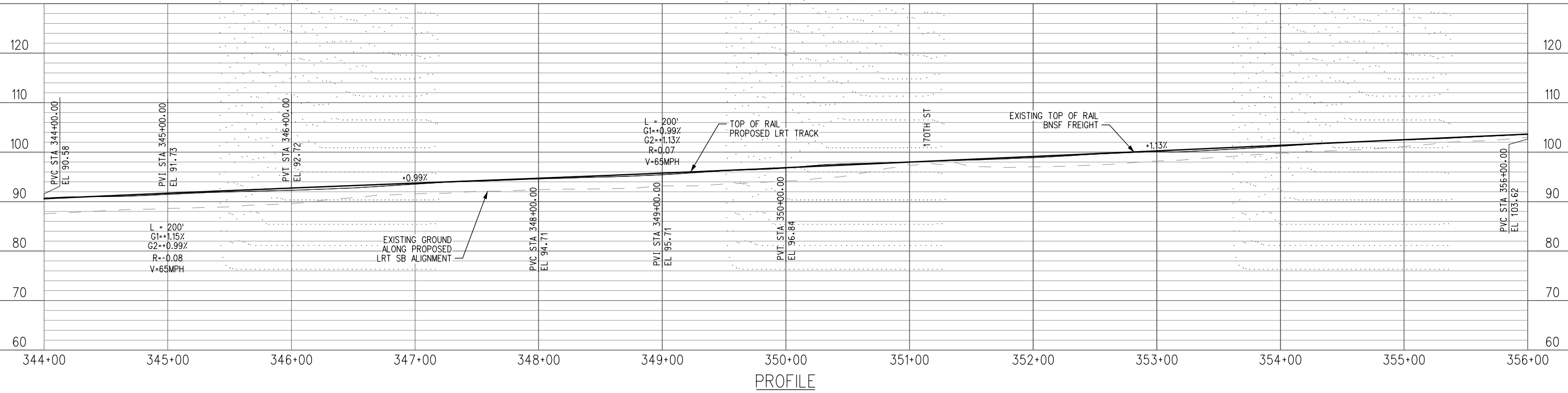
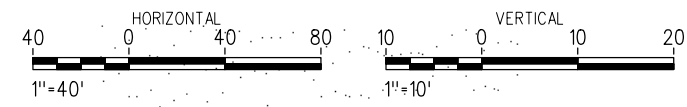
<p>NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>	<p>DESIGNED BY J. GONZALEZ</p>	<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>	<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROPOSED PROJECT - TRACK PLAN & PROFILE LRTS 332+00 TO LRTS 344+00 SHEET 6 OF 21</p>	<p>CONTRACT NO. AE63445001 DRAWING NO. T-106</p>
			<p>DRAWN BY O. PLASCENCIA</p>			<p>REVISION SHEET NO.</p>
<p>REV. DATE</p>	<p>BY SUB. APP.</p>	<p>APPROVED BY A. SOKOL</p>	<p>DATE 12/9/2022</p>	<p>SUBMITTED: PROJECT MANAGER</p>	<p>APPROVED:</p>	<p>SCALE AS SHOWN</p>

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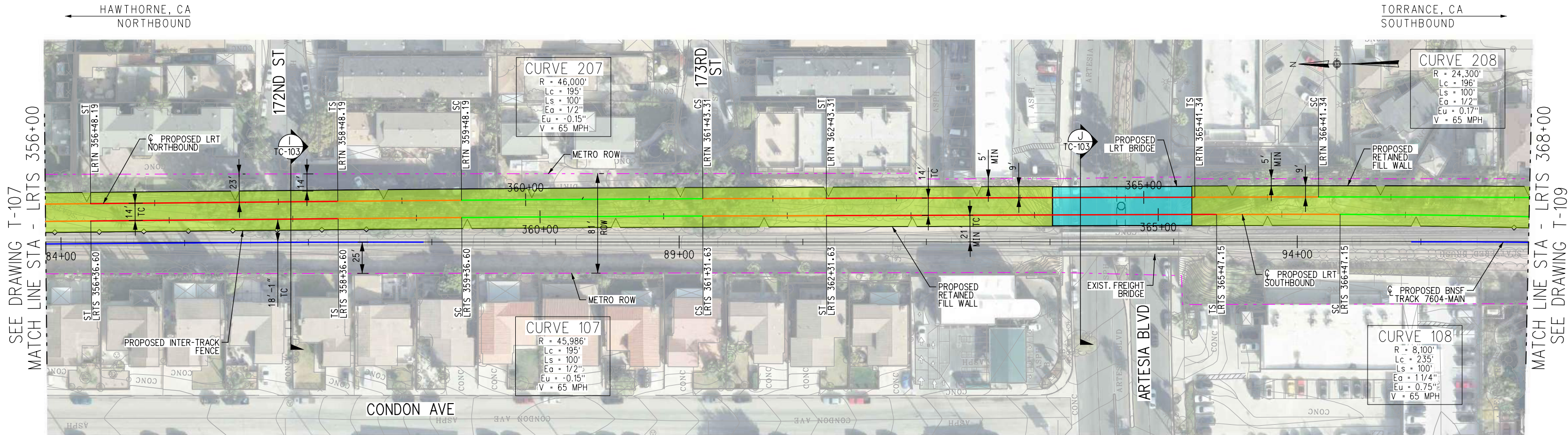
TRACK LEGEND	
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	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
	EXISTING FREIGHT TRACK
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	PROPOSED BNSF ACCESS ROAD

NOTE:
1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



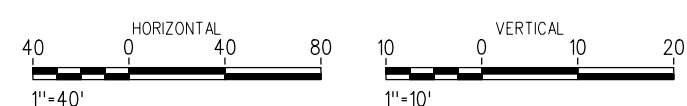
<p style="font-size: 2em; opacity: 0.5;">NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>		<p>DESIGNED BY: J. GONZALEZ DRAWN BY: O. PLASCENCIA CHECKED BY: G. THOMPSON APPROVED BY: A. SOKOL DATE: 12/9/2022</p>		<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>		<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROPOSED PROJECT - TRACK PLAN & PROFILE LRTS 344+00 TO LRTS 356+00 SHEET 7 OF 21</p>		<p>CONTRACT NO. AE63445001 DRAWING NO. T-107 REVISION SHEET NO. SCALE AS SHOWN</p>	
		<p>BY: _____ SUB. APP. _____</p>		<p>SUBMITTED: _____ PROJECT MANAGER _____</p>		<p>APPROVED: _____</p>					

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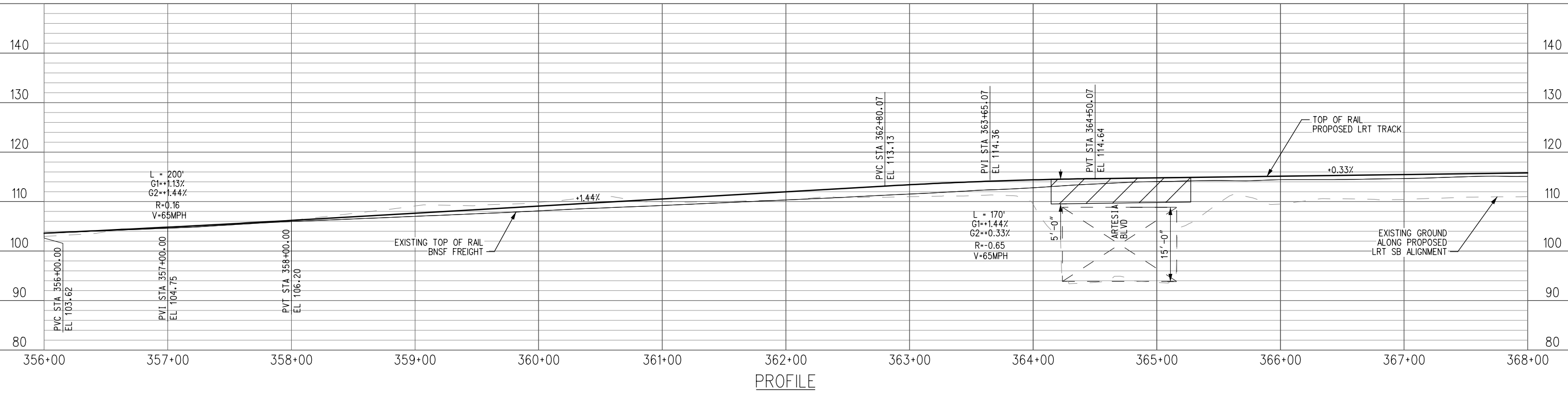


- TRACK LEGEND**
- PROPOSED TANGENT TRACK
 - PROPOSED SPIRAL TRACK
 - PROPOSED CURVE TRACK
 - PROPOSED FREIGHT TRACK
 - EXISTING FREIGHT TRACK
 - PROPOSED RETAINED FILL
 - PROPOSED ELEVATED GUIDEWAY OR BRIDGE
 - PROPOSED BNSF ACCESS ROAD
 - PROPOSED MULTI-USE PATH (W/PED LIGHTING)

NOTE:
1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



PLAN



PROFILE

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DESIGNED BY
J. GONZALEZ
DRAWN BY
O. PLASCENCIA
CHECKED BY
G. THOMPSON
APPROVED BY
A. SOKOL
DATE
12/9/2022

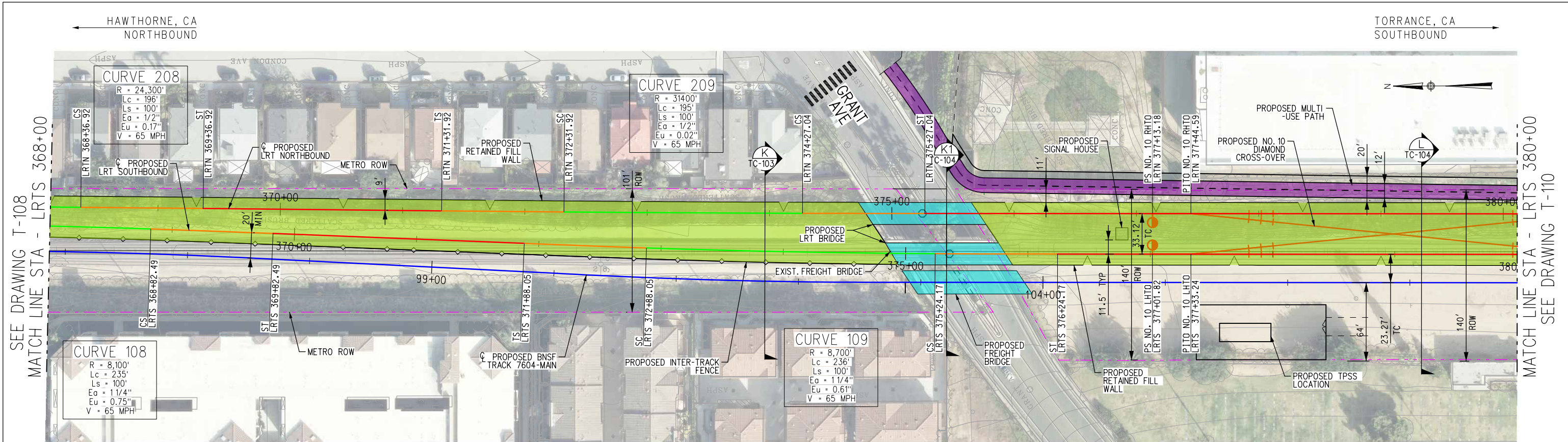
M LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

STV 100 Years

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - TRACK PLAN & PROFILE
LRTS 356+00 TO LRTS 368+00
SHEET 8 OF 21

CONTRACT NO. AE63445001	
DRAWING NO. T-108	
REVISION	SHEET NO.
SCALE	AS SHOWN



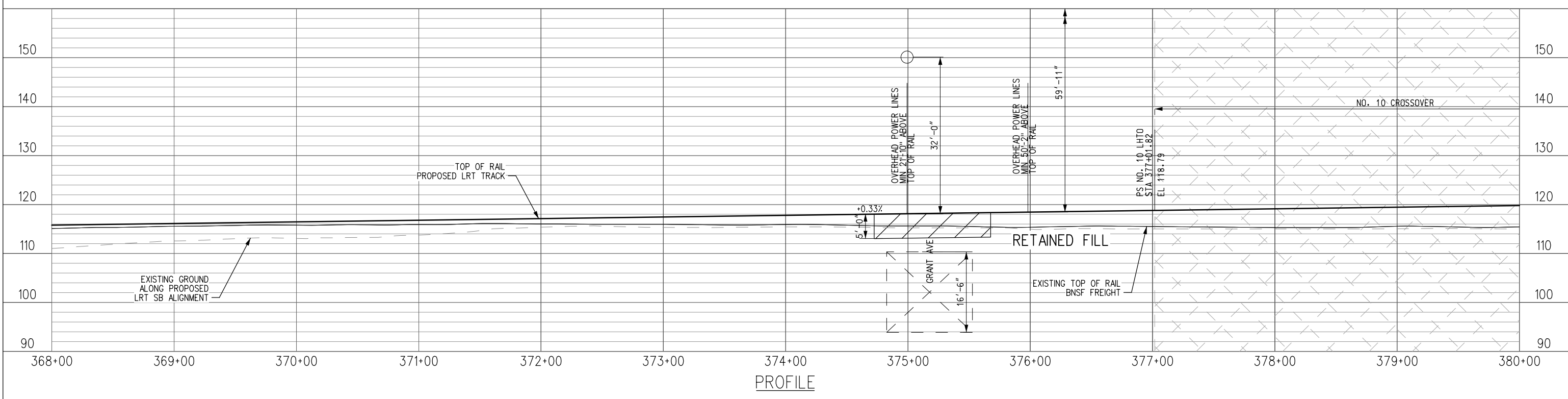
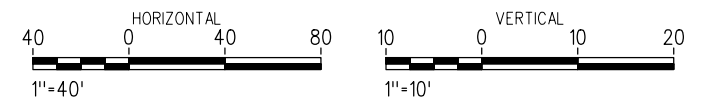
TRACK LEGEND

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- PROPOSED RETAINED FILL
- PROPOSED ELEVATED GUIDEWAY OR BRIDGE
- PROPOSED BNSF ACCESS ROAD

NOTE:

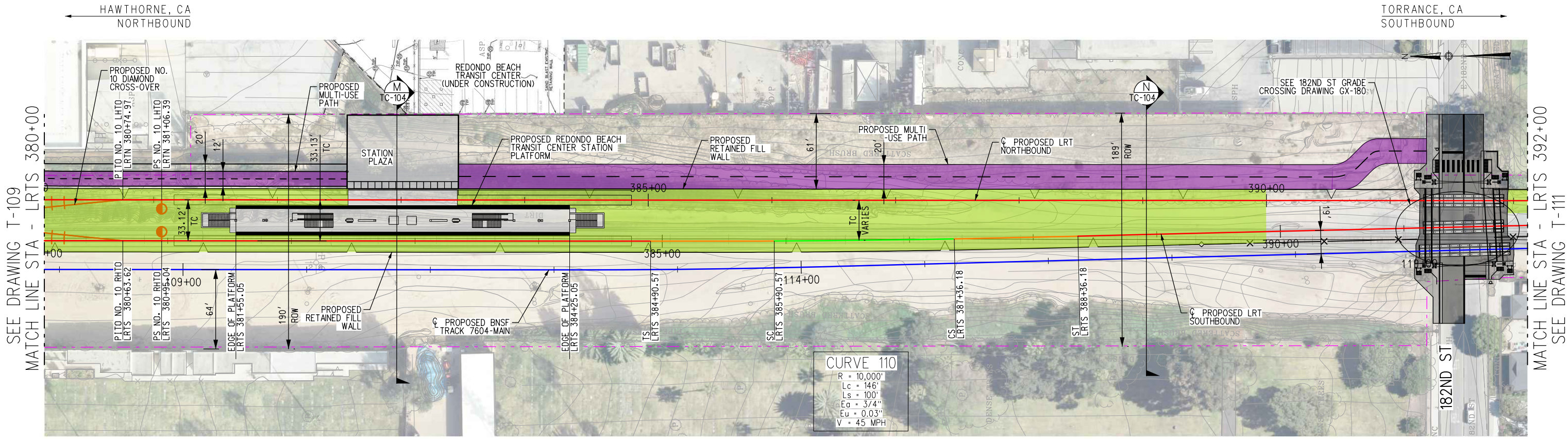
- NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.

PLAN



<p>NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>	<p>DESIGNED BY J. GONZALEZ</p>	<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>	<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROPOSED PROJECT - TRACK PLAN & PROFILE LRTS 368+00 TO LRTS 380+00 SHEET 9 OF 21</p>	<p>CONTRACT NO. AE63445001 DRAWING NO. T-109</p>
			<p>DRAWN BY O. PLASCENCIA</p>			<p>REVISION SHEET NO.</p>
<p>REV. DATE</p>	<p>BY SUB. APP.</p>	<p>APPROVED BY A. SOKOL</p>	<p>DATE 12/9/2022</p>	<p>SUBMITTED: PROJECT MANAGER</p>	<p>APPROVED:</p>	<p>SCALE AS SHOWN</p>

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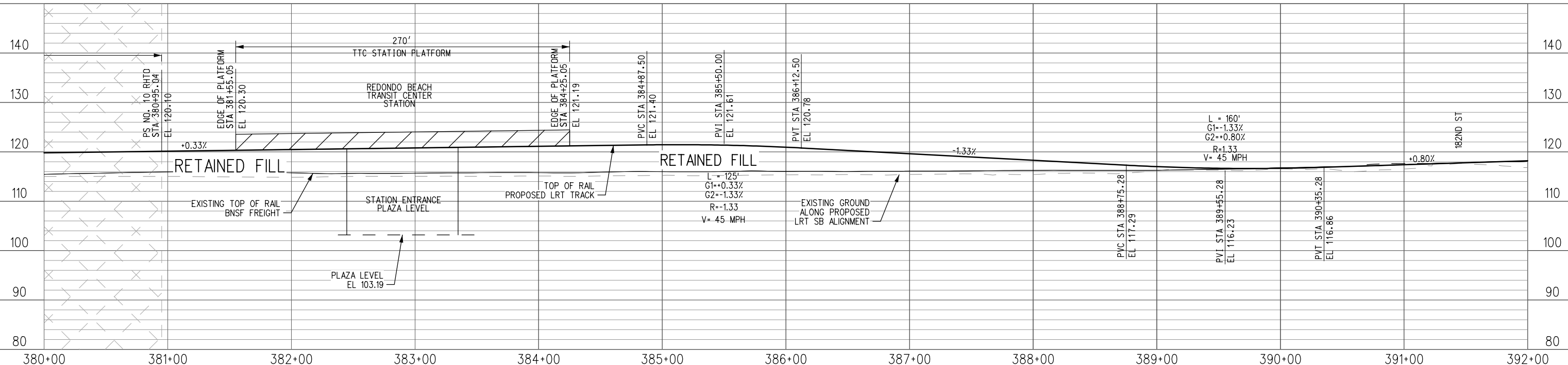


TRACK LEGEND	
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	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED BNSF ACCESS ROAD
	EXISTING FREIGHT TRACK

NOTE:
 1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



PLAN



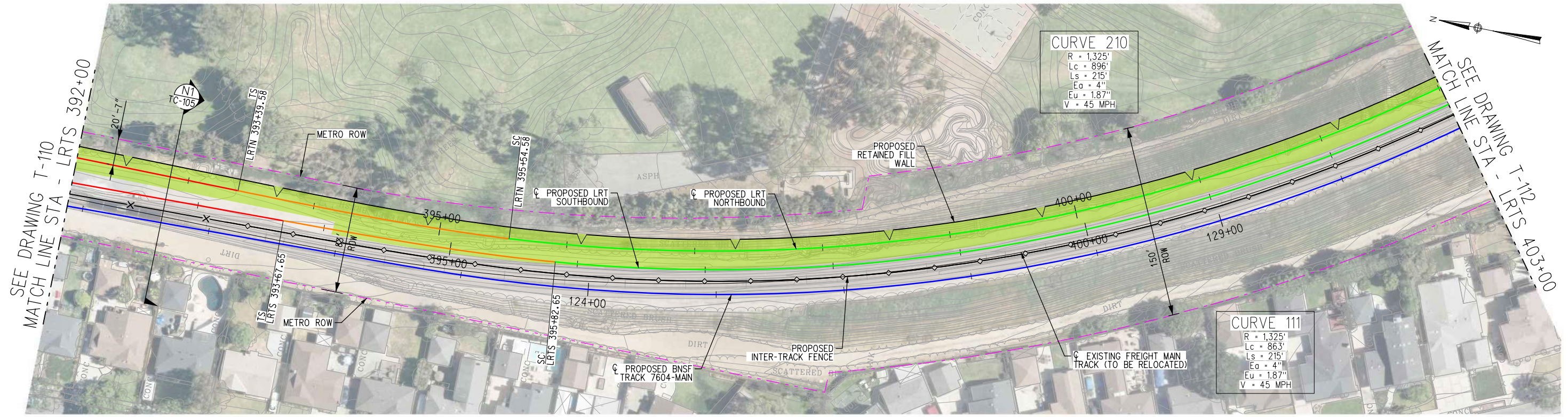
PROFILE

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			DRAWN BY O. PLASCENCIA			REVISION SHEET NO.
CHECKED BY G. THOMPSON	APPROVED BY A. SOKOL	DATE 12/9/2022	SUBMITTED: _____ PROJECT MANAGER	APPROVED: _____	SCALE AS SHOWN	

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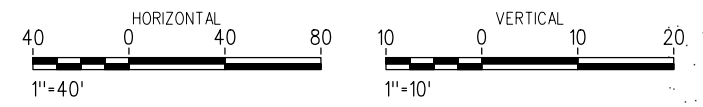
HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND

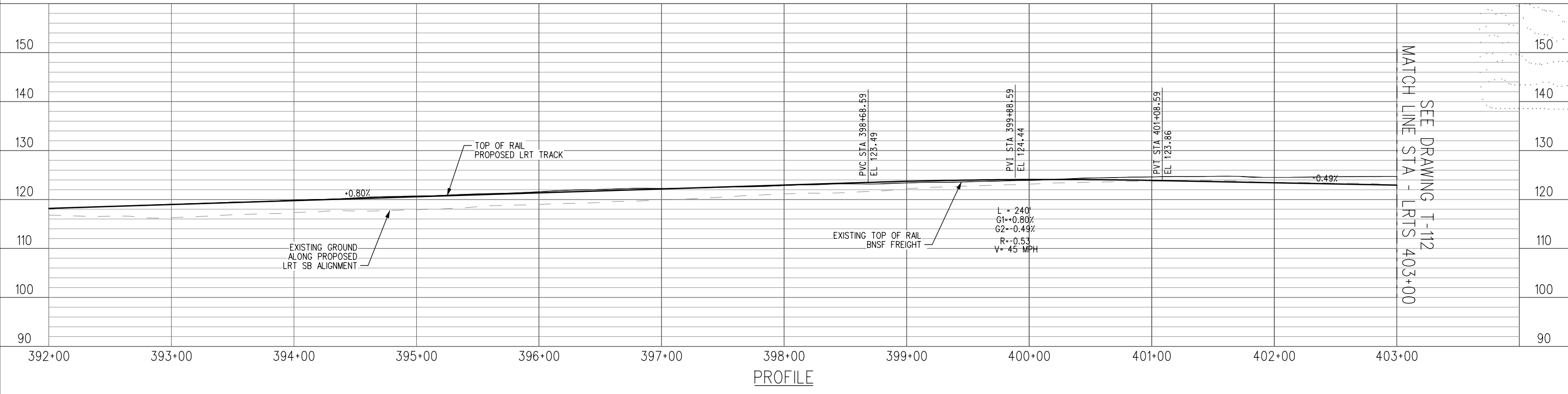


TRACK LEGEND	
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	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
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	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED BNSF ACCESS ROAD
	PROPOSED MULTI-USE PATH (W/PED LIGHTING)

NOTE:
1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



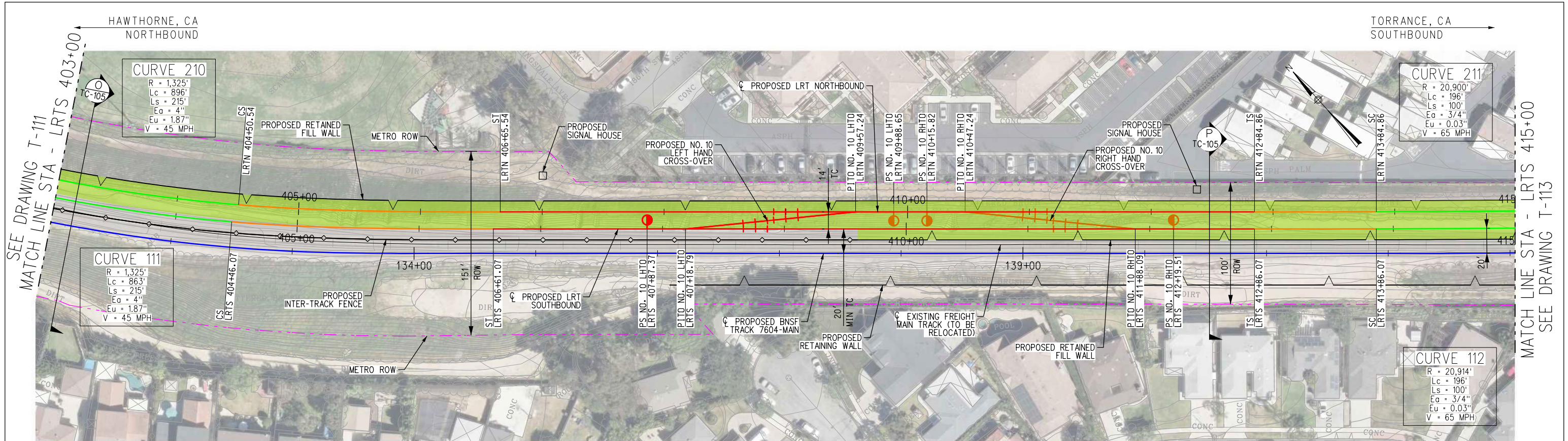
PLAN



PROFILE

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NOT FOR CONSTRUCTION	INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.	DESIGNED BY J. GONZALEZ	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROPOSED PROJECT - TRACK PLAN & PROFILE LRTS 392+00 TO LRTS 403+00 SHEET 11 OF 21	CONTRACT NO. AE63445001		
	DRAWN BY O. PLASCENCIA	CHECKED BY G. THOMPSON			DRAWING NO. T-111		
REV. DATE	BY SUB. APP.	APPROVED BY A. SOKOL	DATE 12/9/2022	SUBMITTED: _____ PROJECT MANAGER	APPROVED: _____	REVISION SHEET NO.	SCALE AS SHOWN



TRACK LEGEND

	PROPOSED TANGENT TRACK
	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
	EXISTING FREIGHT TRACK

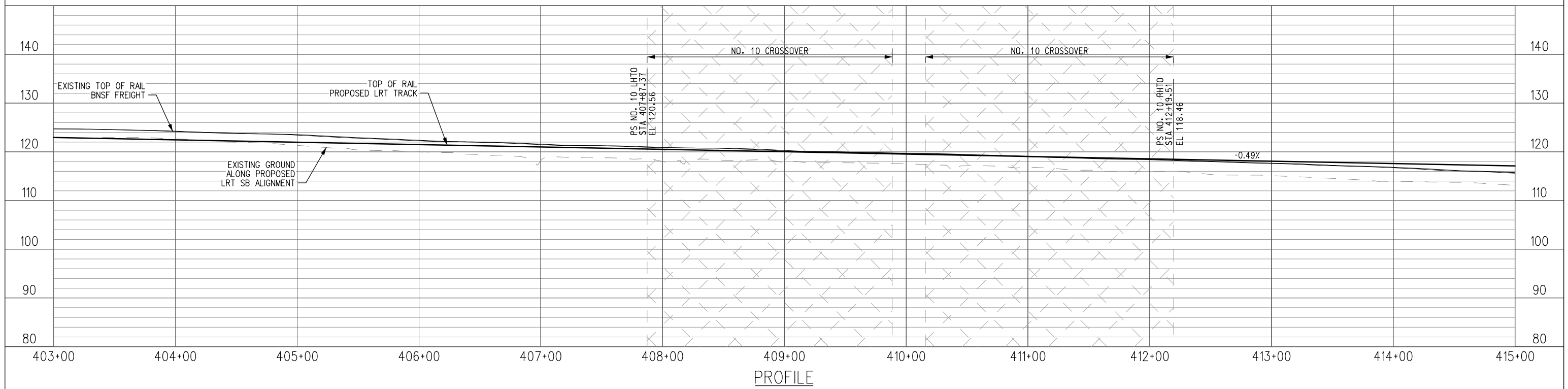
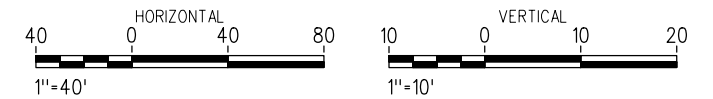
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED MULTI-USE PATH (W/PED LIGHTING)

PROPOSED BNSF ACCESS ROAD

NOTE:

- NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.

PLAN



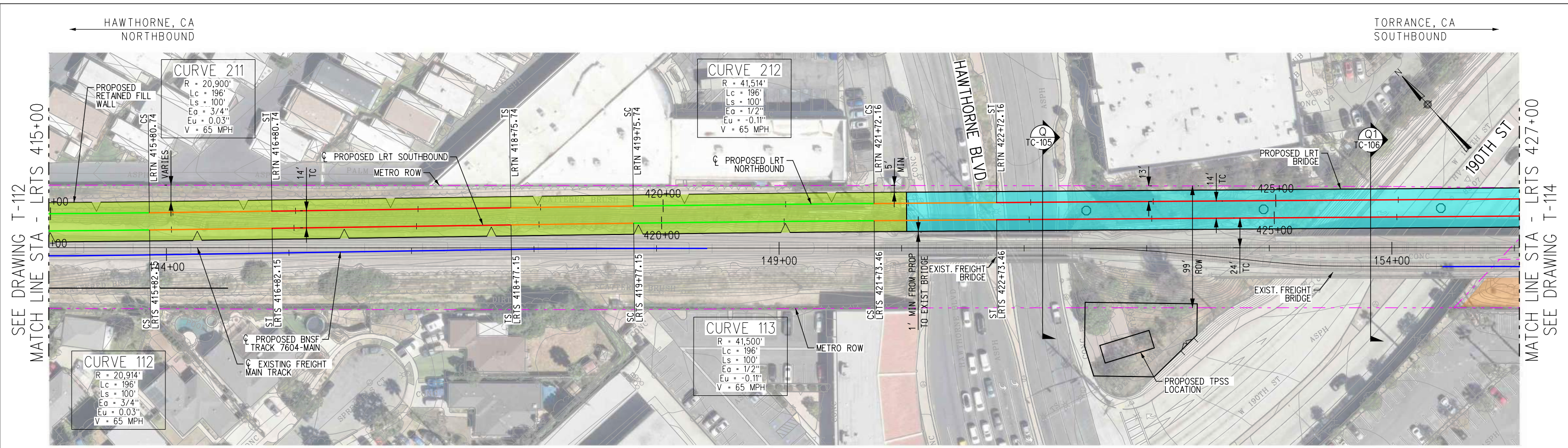
PROFILE

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		DESIGNED BY J. GONZALEZ	DRAWN BY O. PLASCENCIA
REV.	DATE	BY	APP.

 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	
	SUBMITTED: _____ PROJECT MANAGER
APPROVED: _____ PROJECT MANAGER	

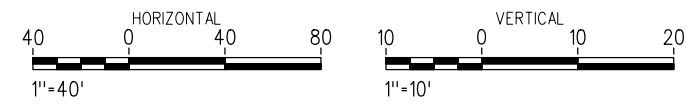
METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROPOSED PROJECT - TRACK PLAN & PROFILE LRTS 403+00 TO LRTS 415+00 SHEET 12 OF 21	
CONTRACT NO. AE63445001	DRAWING NO. T-112
REVISION	SHEET NO.
SCALE	AS SHOWN

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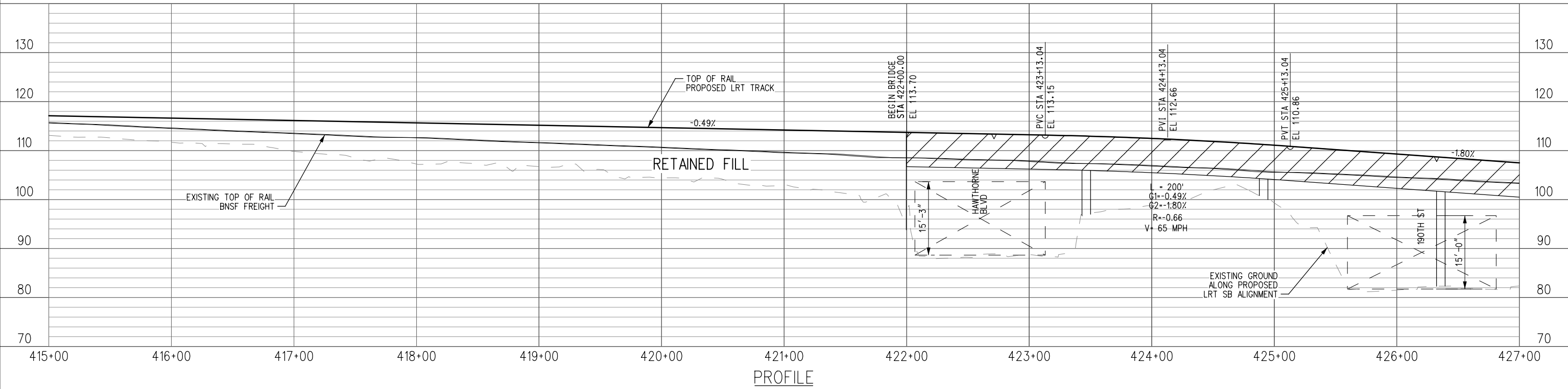


TRACK LEGEND	
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	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
	EXISTING FREIGHT TRACK
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED BNSF ACCESS ROAD
	PROPOSED MULTI-USE PATH (W/PED LIGHTING)

NOTE:
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PLAN



PROFILE

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NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

INFORMATION CONFIDENTIAL:
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DESIGNED BY
J. GONZALEZ

DRAWN BY
O. PLASCENCIA

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

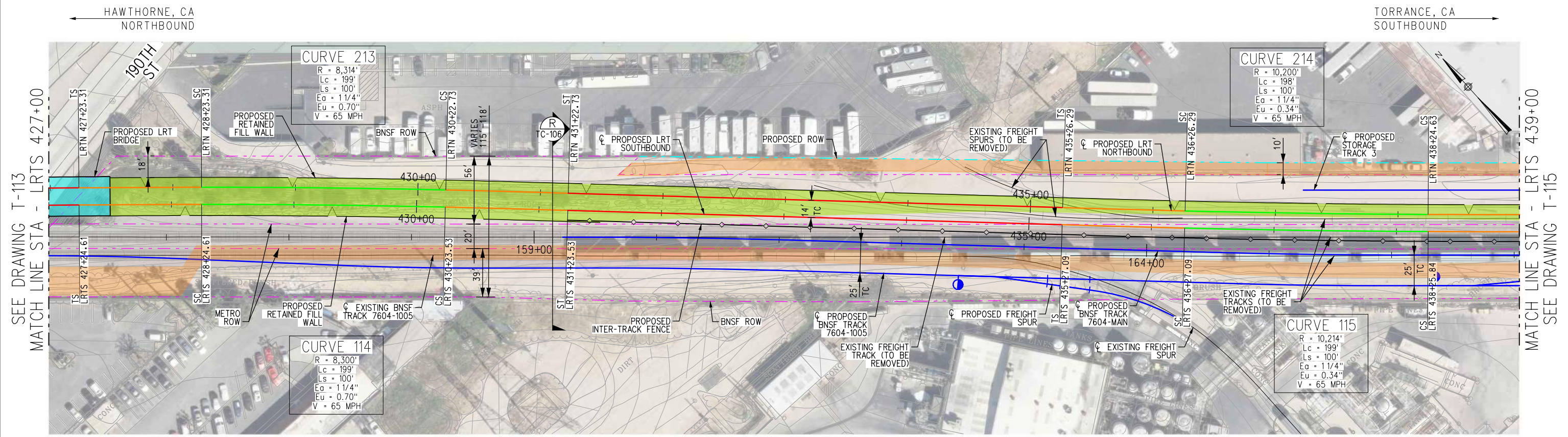
SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - TRACK PLAN & PROFILE
LRTS 415+00 TO LRTS 427+00
SHEET 13 OF 21

CONTRACT NO. AE63445001	
DRAWING NO. T-113	
REVISION	SHEET NO.
SCALE	AS SHOWN

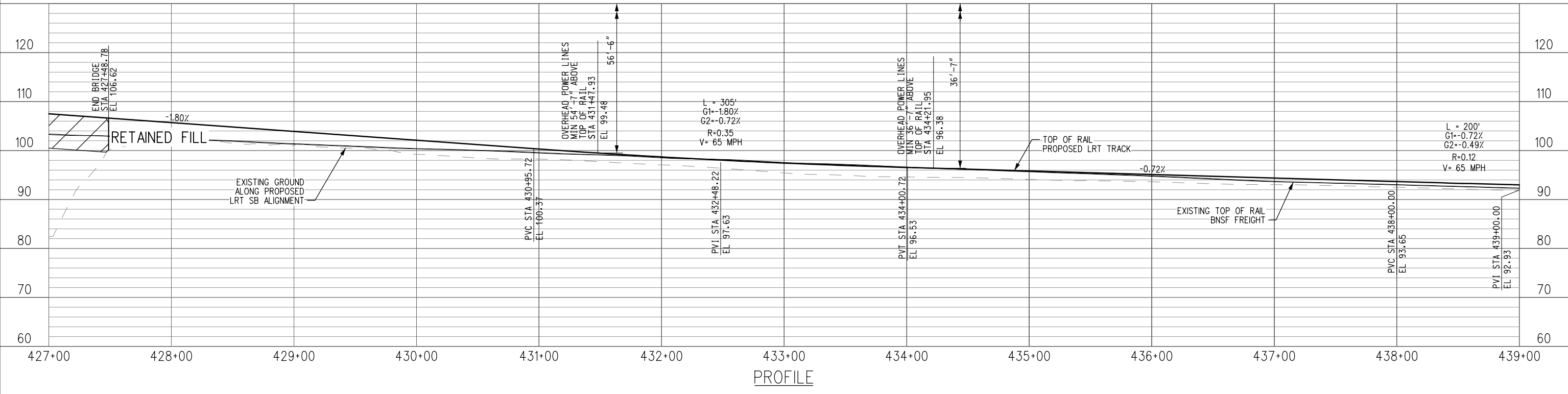


TRACK LEGEND	
	PROPOSED TANGENT TRACK
	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
	EXISTING FREIGHT TRACK
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED BNSF ACCESS ROAD
	PROPOSED MULTI-USE PATH (W/PED LIGHTING)

NOTE:
 1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



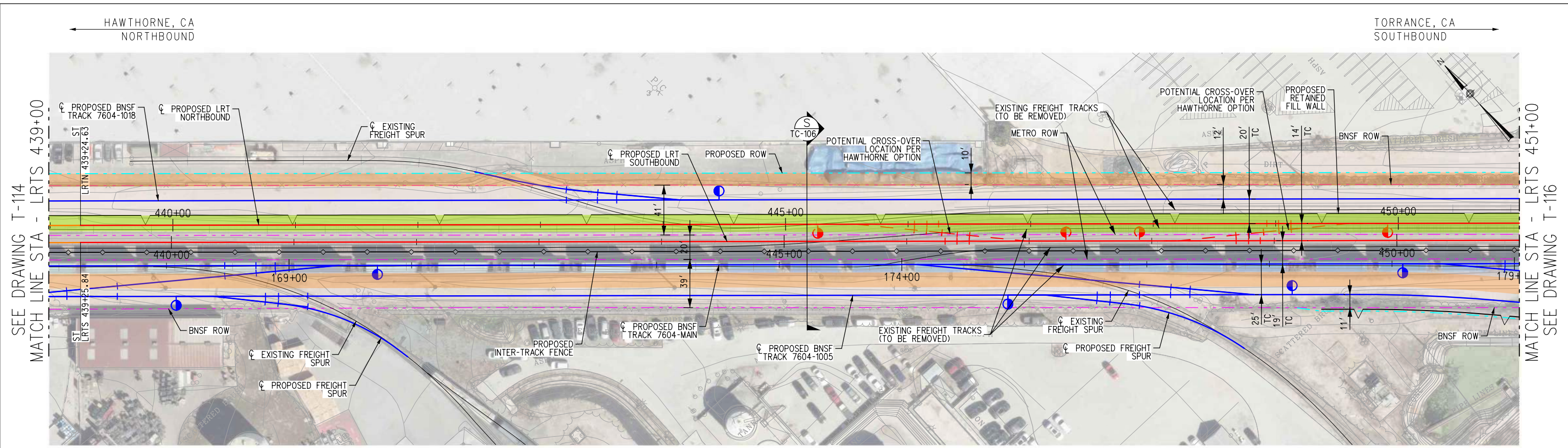
PLAN



PROFILE

<p>NOT FOR CONSTRUCTION</p>	<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>	<p>DESIGNED BY J. GONZALEZ</p> <p>DRAWN BY O. PLASCENCIA</p> <p>CHECKED BY G. THOMPSON</p> <p>APPROVED BY A. SOKOL</p> <p>DATE 12/9/2022</p>	<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p> <p>Metro</p> <p>STV 100 Years</p>	<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE</p> <p>ADVANCED CONCEPTUAL ENGINEERING</p> <p>PROPOSED PROJECT - TRACK PLAN & PROFILE</p> <p>LRTS 427+00 TO LRTS 439+00</p> <p>SHEET 14 OF 21</p>	<p>CONTRACT NO. AE63445001</p> <p>DRAWING NO. T-114</p> <p>REVISION SHEET NO.</p> <p>SCALE AS SHOWN</p>
	<p>REV. DATE</p>	<p>BY SUB. APP.</p>	<p>SUBMITTED: PROJECT MANAGER</p> <p>APPROVED:</p>	<p>PROJECT MANAGER</p>	<p>AS SHOWN</p>

12/23/2022 2:02:20 PM gonzalezj
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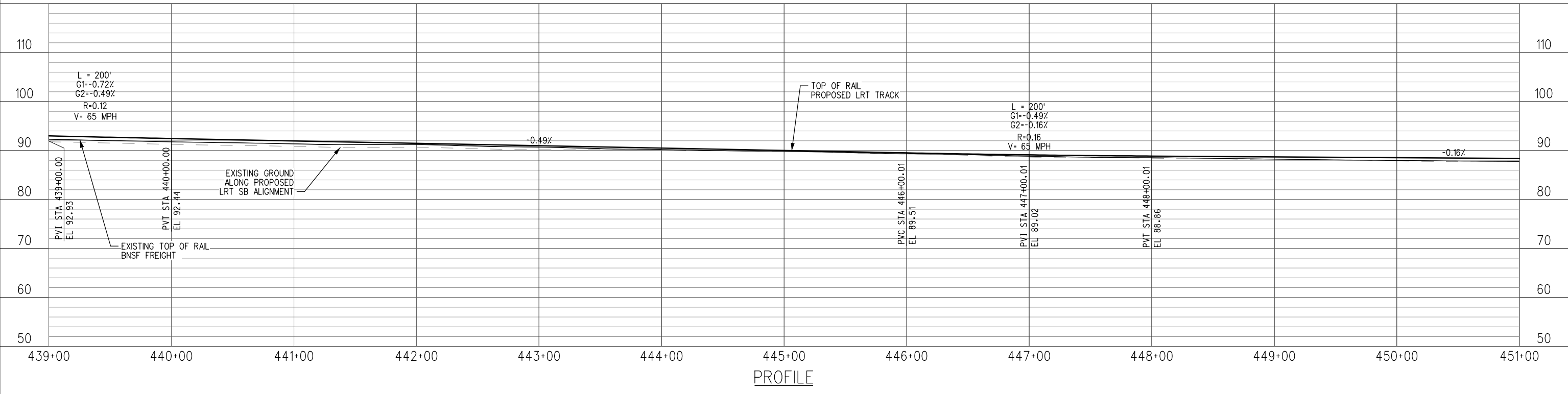


TRACK LEGEND			
	PROPOSED TANGENT TRACK		PROPOSED RETAINED FILL
	PROPOSED SPIRAL TRACK		PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED CURVE TRACK		PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	PROPOSED FREIGHT TRACK		PROPOSED BNSF ACCESS ROAD
	EXISTING FREIGHT TRACK		

NOTE:
 1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



PLAN



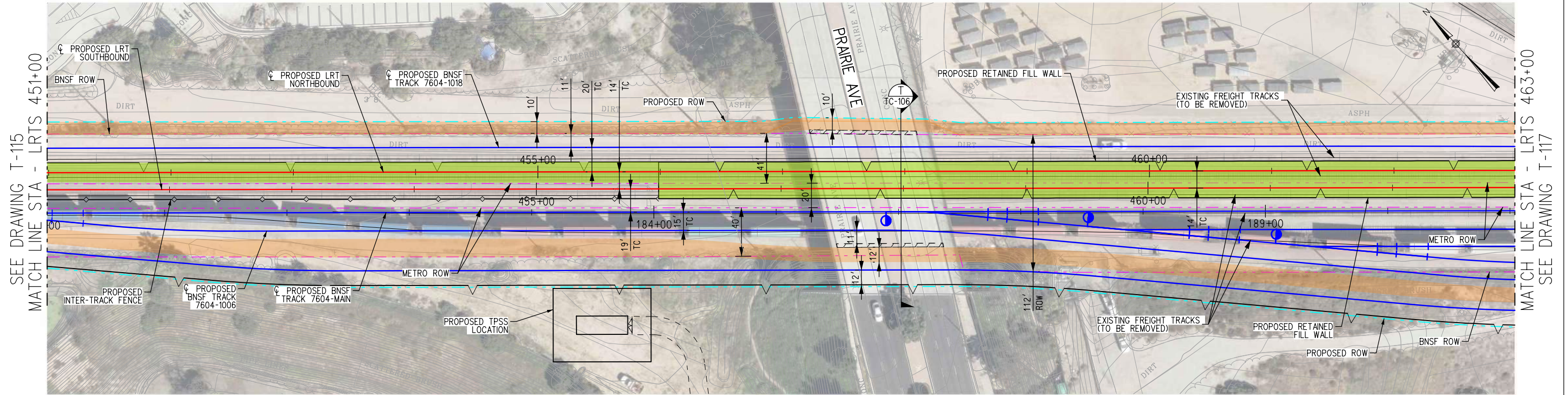
PROFILE

<p>NOT FOR CONSTRUCTION</p>	<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>	<p>DESIGNED BY J. GONZALEZ</p> <p>DRAWN BY O. PLASCENCIA</p> <p>CHECKED BY G. THOMPSON</p> <p>APPROVED BY A. SOKOL</p> <p>DATE 12/9/2022</p>	<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p> <p>Metro</p> <p>100 Years</p>	<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE</p> <p>ADVANCED CONCEPTUAL ENGINEERING</p> <p>PROPOSED PROJECT - TRACK PLAN & PROFILE</p> <p>LRTS 439+00 TO LRTS 451+00</p> <p>SHEET 15 OF 21</p>	<p>CONTRACT NO. AE63445001</p> <p>DRAWING NO. T-115</p> <p>REVISION SHEET NO.</p> <p>SCALE AS SHOWN</p>
	<p>REV. DATE</p> <p>BY SUB. APP.</p>	<p>SUBMITTED: _____</p> <p>PROJECT MANAGER</p>	<p>APPROVED: _____</p>		

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HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND

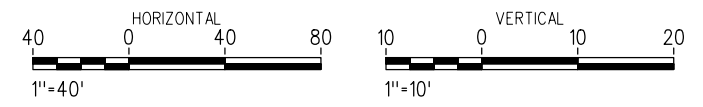


SEE DRAWING T-115
MATCH LINE STA - LRTS 451+00

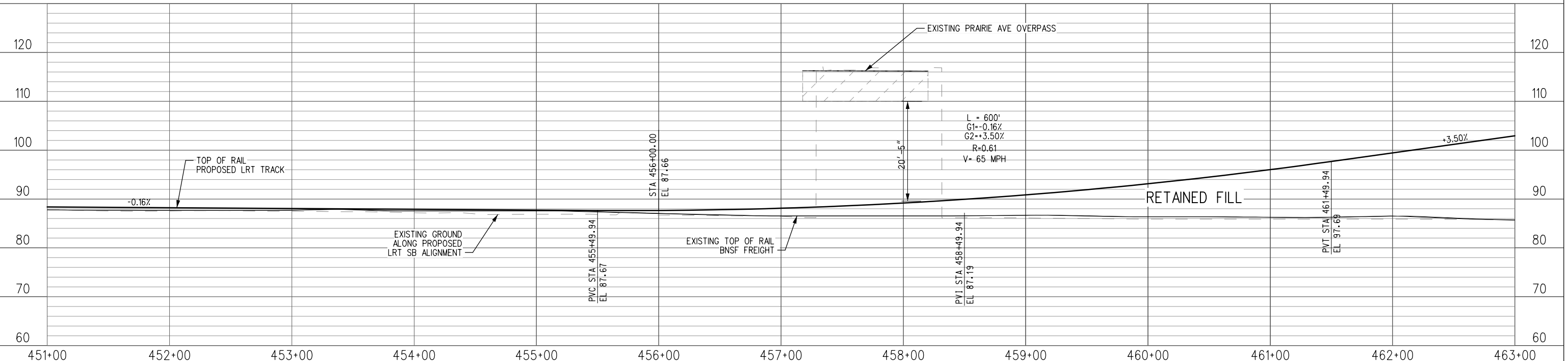
MATCH LINE STA - LRTS 463+00
SEE DRAWING T-117

TRACK LEGEND	
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	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
	EXISTING FREIGHT TRACK
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	PROPOSED BNSF ACCESS ROAD

NOTE:
1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



PLAN



PROFILE

NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

INFORMATION CONFIDENTIAL:
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DESIGNED BY: J. GONZALEZ
DRAWN BY: O. PLASCENCIA
CHECKED BY: G. THOMPSON
APPROVED BY: A. SOKOL
DATE: 12/9/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

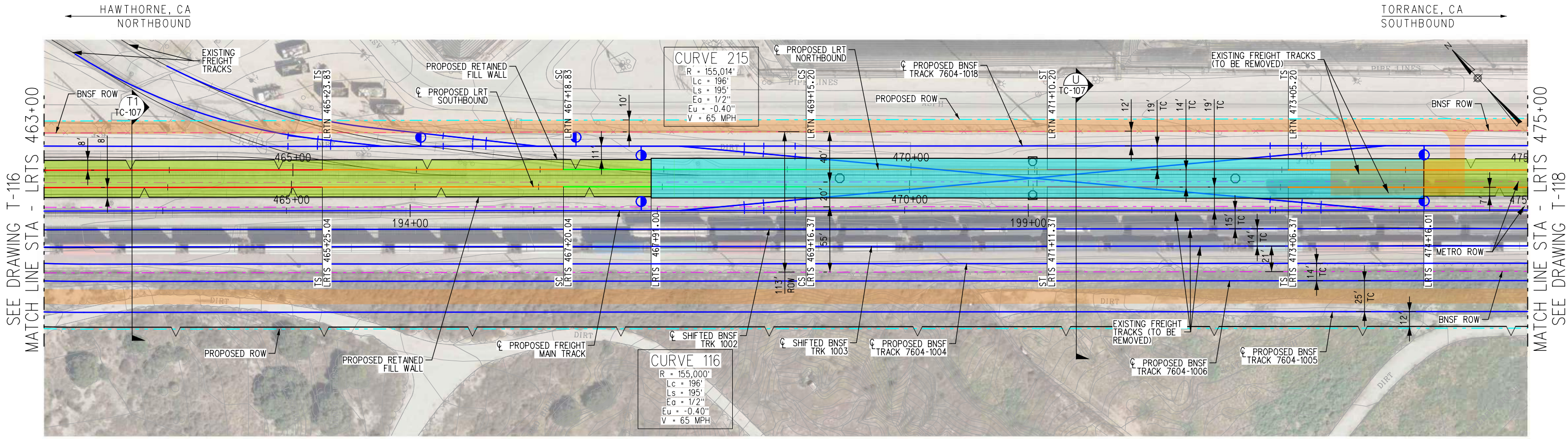
STV 100 Years

SUBMITTED: _____ PROJECT MANAGER
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT - TRACK PLAN & PROFILE
LRTS 451+00 TO LRTS 463+00
SHEET 16 OF 21

CONTRACT NO. AE63445001
DRAWING NO. T-116
REVISION SHEET NO.
SCALE AS SHOWN

12/23/2022 2:02:25 PM gonzalezj I:\Projects\4020520\4020520_000\190_CAD Models and Sheets\04_CK_Track_Rail_Sheet_L_Files\T-116.sht

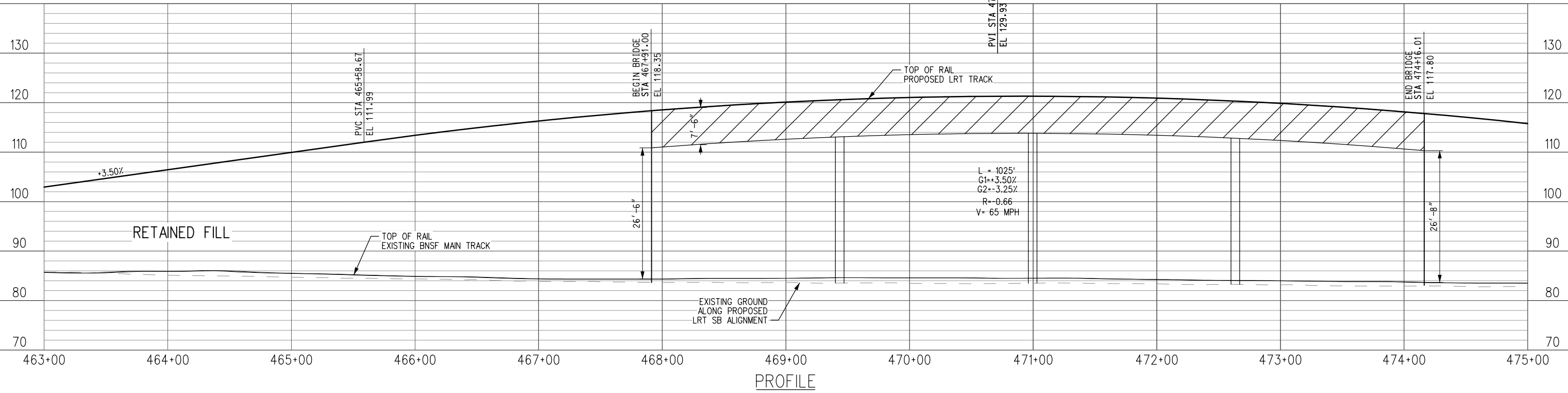


TRACK LEGEND			
	PROPOSED TANGENT TRACK		PROPOSED RETAINED FILL
	PROPOSED SPIRAL TRACK		PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED CURVE TRACK		PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	PROPOSED FREIGHT TRACK		PROPOSED BNSF ACCESS ROAD
	EXISTING FREIGHT TRACK		

NOTE:
 1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



PLAN



PROFILE

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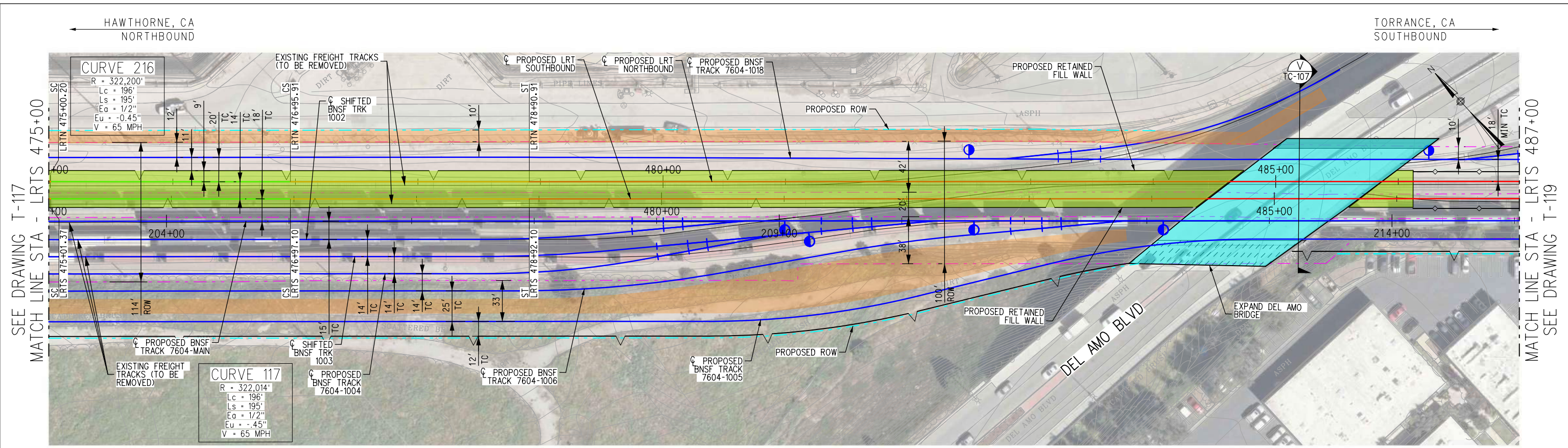
DESIGNED BY: J. GONZALEZ
 DRAWN BY: O. PLASCENCIA
 CHECKED BY: G. THOMPSON
 APPROVED BY: A. SOKOL
 DATE: 12/9/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER
 APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 PROPOSED PROJECT - TRACK PLAN & PROFILE
 LRTS 463+00 TO LRTS 475+00
 SHEET 17 OF 21

CONTRACT NO. AE63445001	
DRAWING NO. T-117	
REVISION	SHEET NO.
SCALE	AS SHOWN

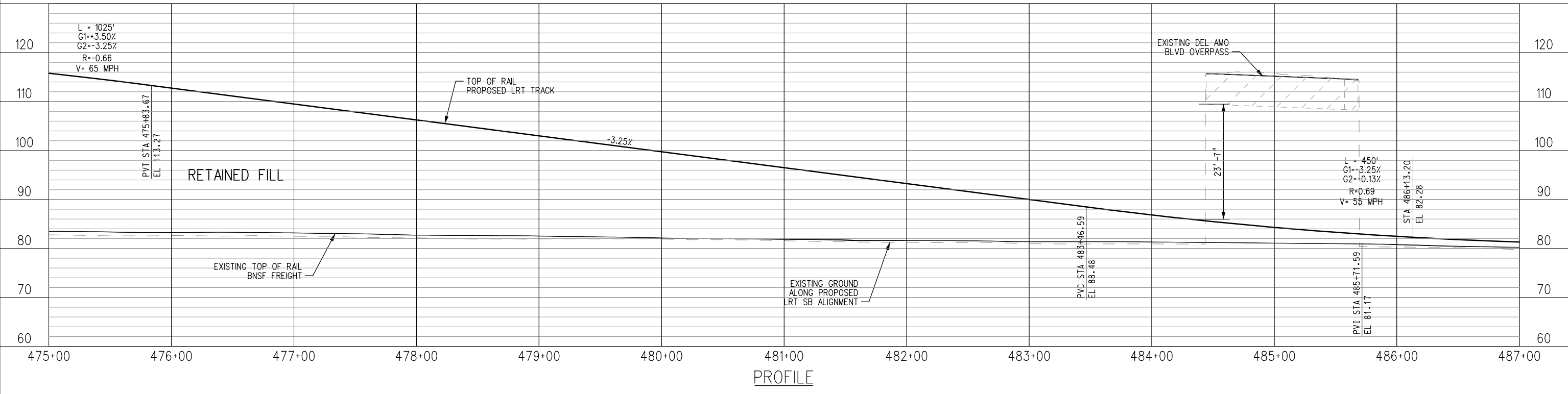


TRACK LEGEND			
	PROPOSED TANGENT TRACK		PROPOSED RETAINED FILL
	PROPOSED SPIRAL TRACK		PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED CURVE TRACK		PROPOSED BNSF ACCESS ROAD
	PROPOSED FREIGHT TRACK		PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	EXISTING FREIGHT TRACK		

NOTE:
 1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



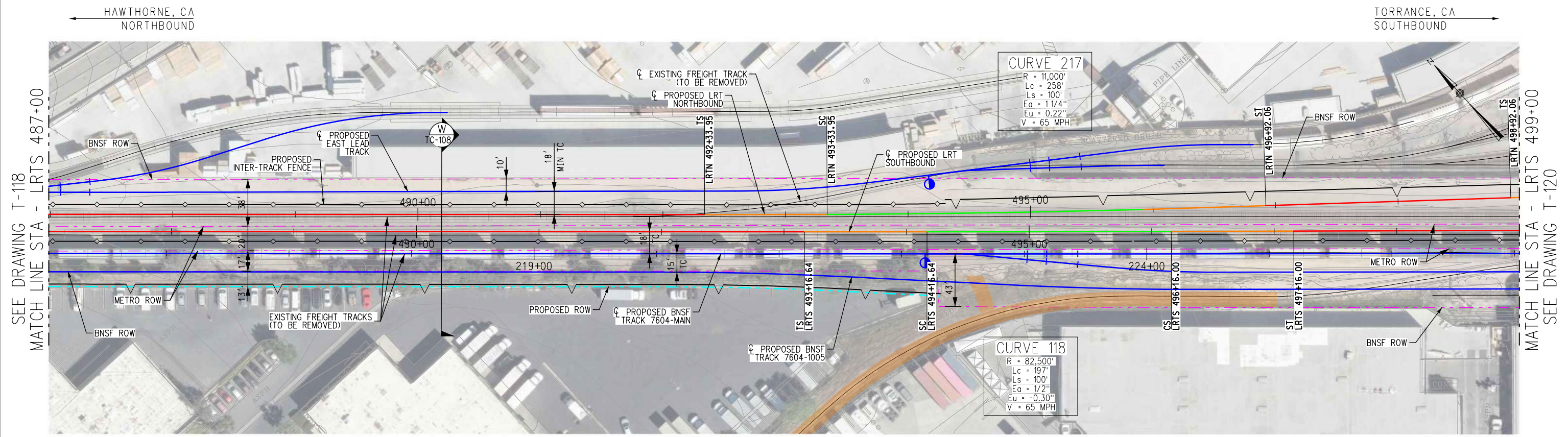
PLAN



PROFILE

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	<p>REV. DATE</p>	<p>BY SUB. APP.</p>	<p>SUBMITTED: PROJECT MANAGER</p> <p>APPROVED:</p>		

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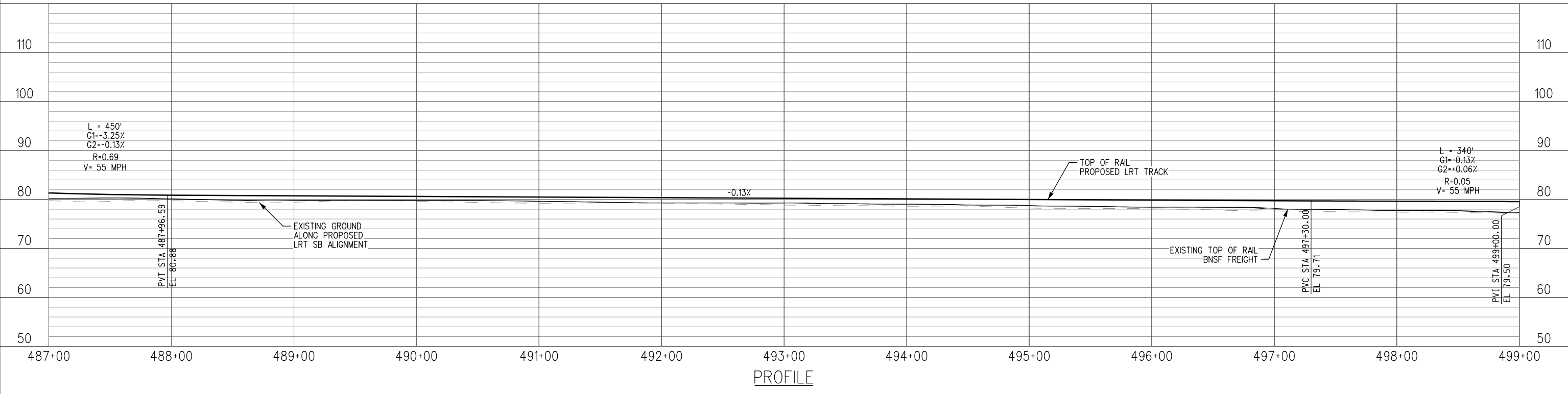


TRACK LEGEND			
	PROPOSED TANGENT TRACK		PROPOSED RETAINED FILL
	PROPOSED SPIRAL TRACK		PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED CURVE TRACK		PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	PROPOSED FREIGHT TRACK		PROPOSED BNSF ACCESS ROAD
	EXISTING FREIGHT TRACK		

NOTE:
 1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



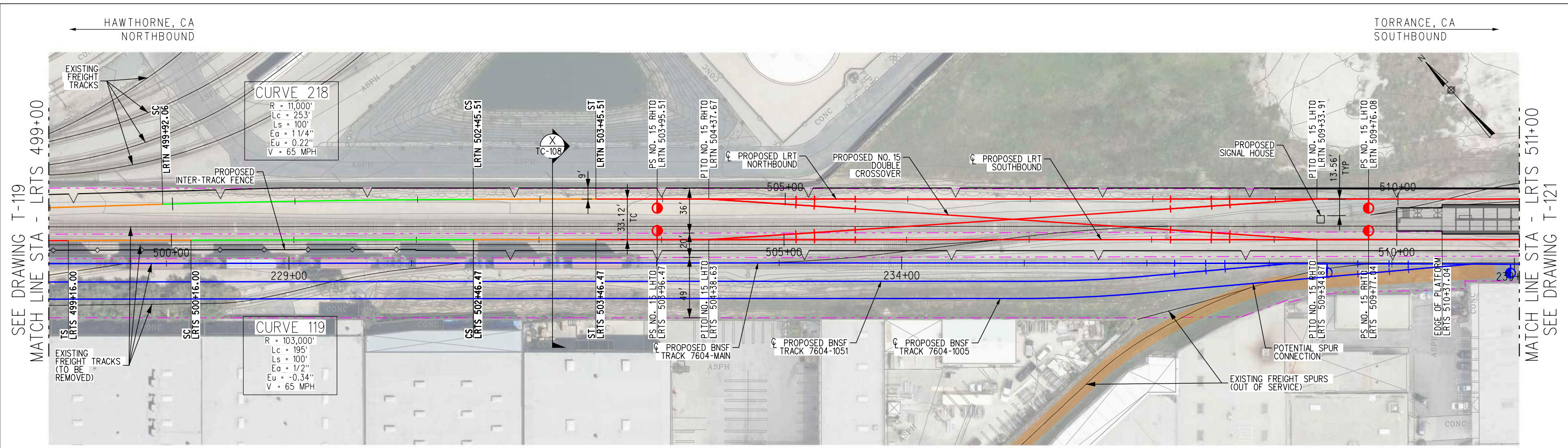
PLAN



PROFILE

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		DRAWN BY O. PLASCENCIA			CHECKED BY G. THOMPSON
REV. DATE	BY SUB. APP.	DATE 12/9/2022	SUBMITTED: _____ PROJECT MANAGER	APPROVED: _____	SCALE AS SHOWN

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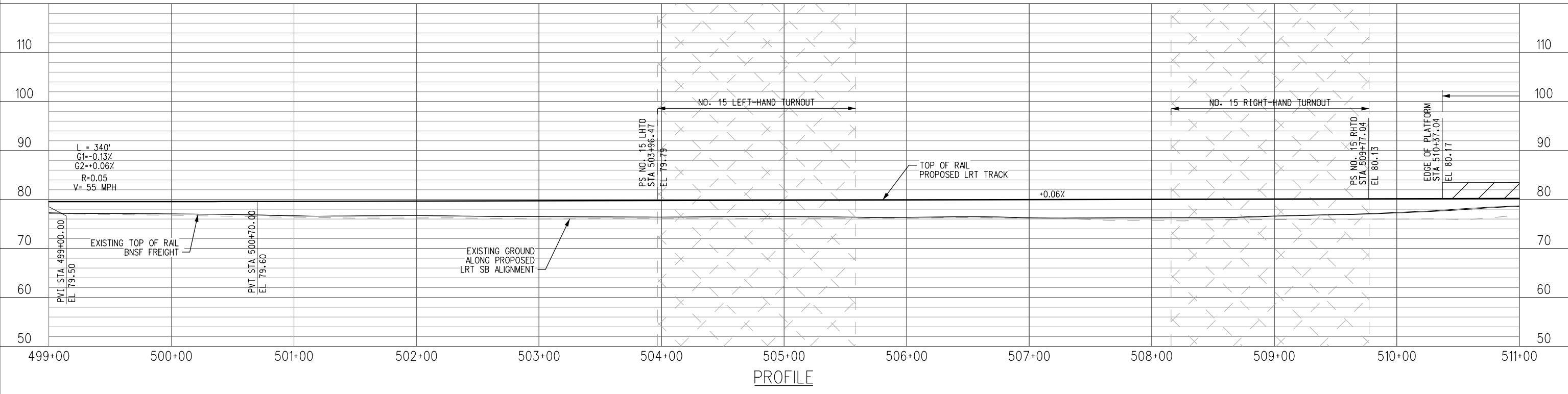


TRACK LEGEND	
	PROPOSED TANGENT TRACK
	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
	EXISTING FREIGHT TRACK
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED BNSF ACCESS ROAD
	PROPOSED MULTI-USE PATH (W/PED LIGHTING)

NOTE:
 1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



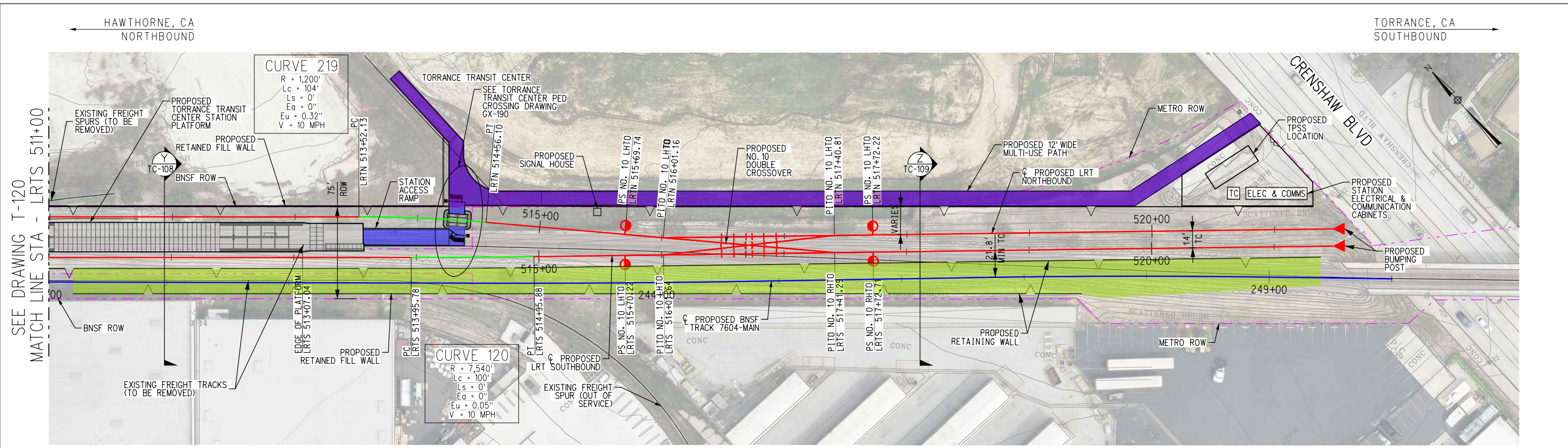
PLAN



PROFILE

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	DRAWN BY O. PLASCENCIA	CHECKED BY G. THOMPSON			REVISION SHEET NO.	
REV. DATE	BY SUB. APP.	APPROVED BY A. SOKOL	DATE 12/9/2022	SUBMITTED: _____ PROJECT MANAGER	APPROVED: _____	SCALE AS SHOWN

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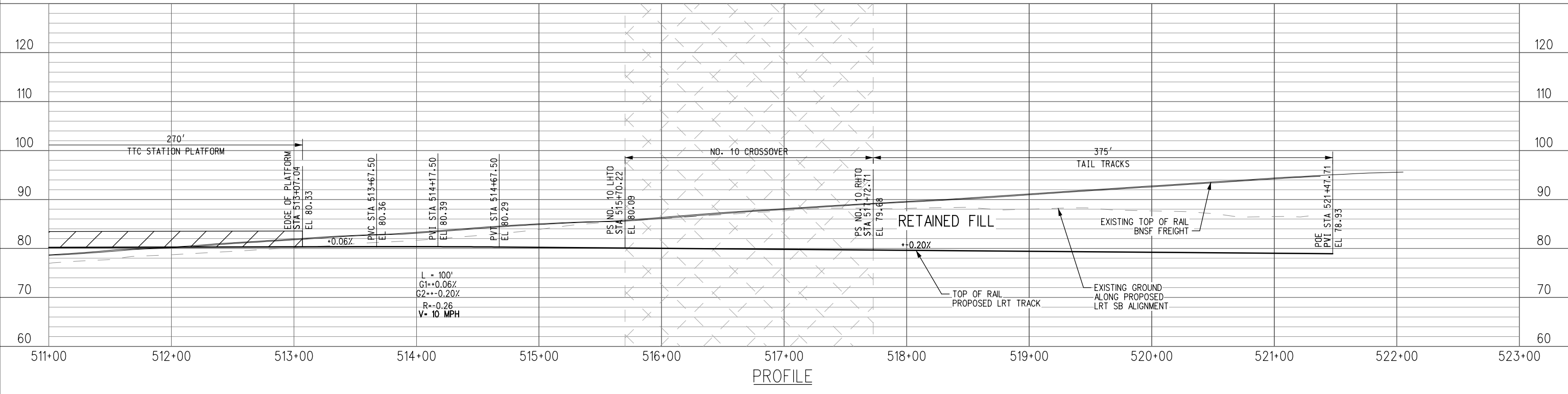


TRACK LEGEND	
	PROPOSED TANGENT TRACK
	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	PROPOSED BNSF ACCESS ROAD
	PROPOSED STATION RAMP

NOTE:
 1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



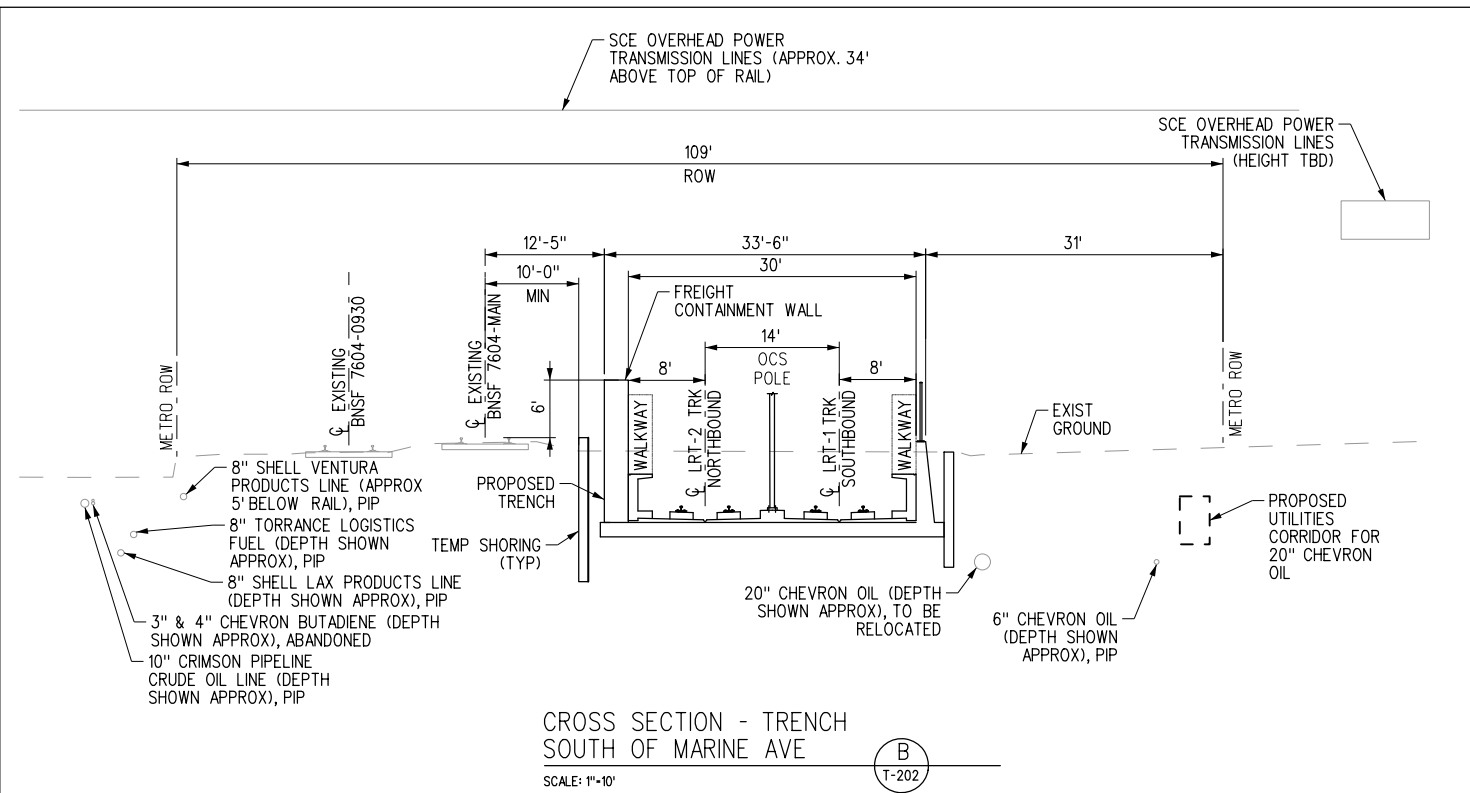
PLAN



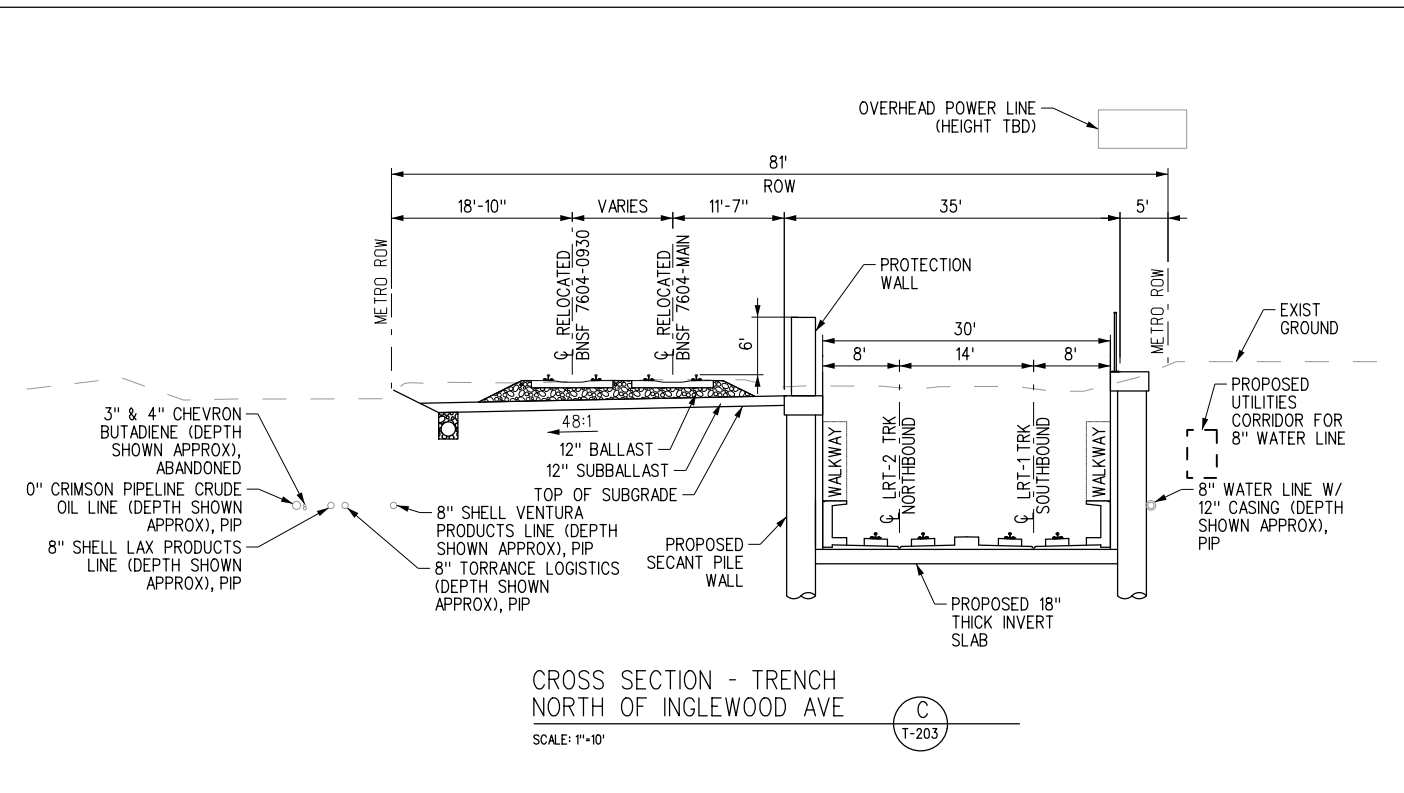
PROFILE

<p>NOT FOR CONSTRUCTION</p>	<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>	<p>DESIGNED BY: J. GONZALEZ DRAWN BY: O. PLASCENCIA CHECKED BY: G. THOMPSON APPROVED BY: A. SOKOL DATE: 12/9/2022</p>	<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p> <p>Metro</p> <p>STV 100 Years</p>	<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROPOSED PROJECT - TRACK PLAN & PROFILE LRTS 511+00 TO LRTS 523+00 SHEET 21 OF 21</p>	<p>CONTRACT NO. AE63445001 DRAWING NO. T-121 REVISION SHEET NO. SCALE AS SHOWN</p>
	<p>REVISION SHEET NO.</p>	<p>DATE</p>	<p>PROJECT MANAGER</p>	<p>APPROVED:</p>	<p>AS SHOWN</p>

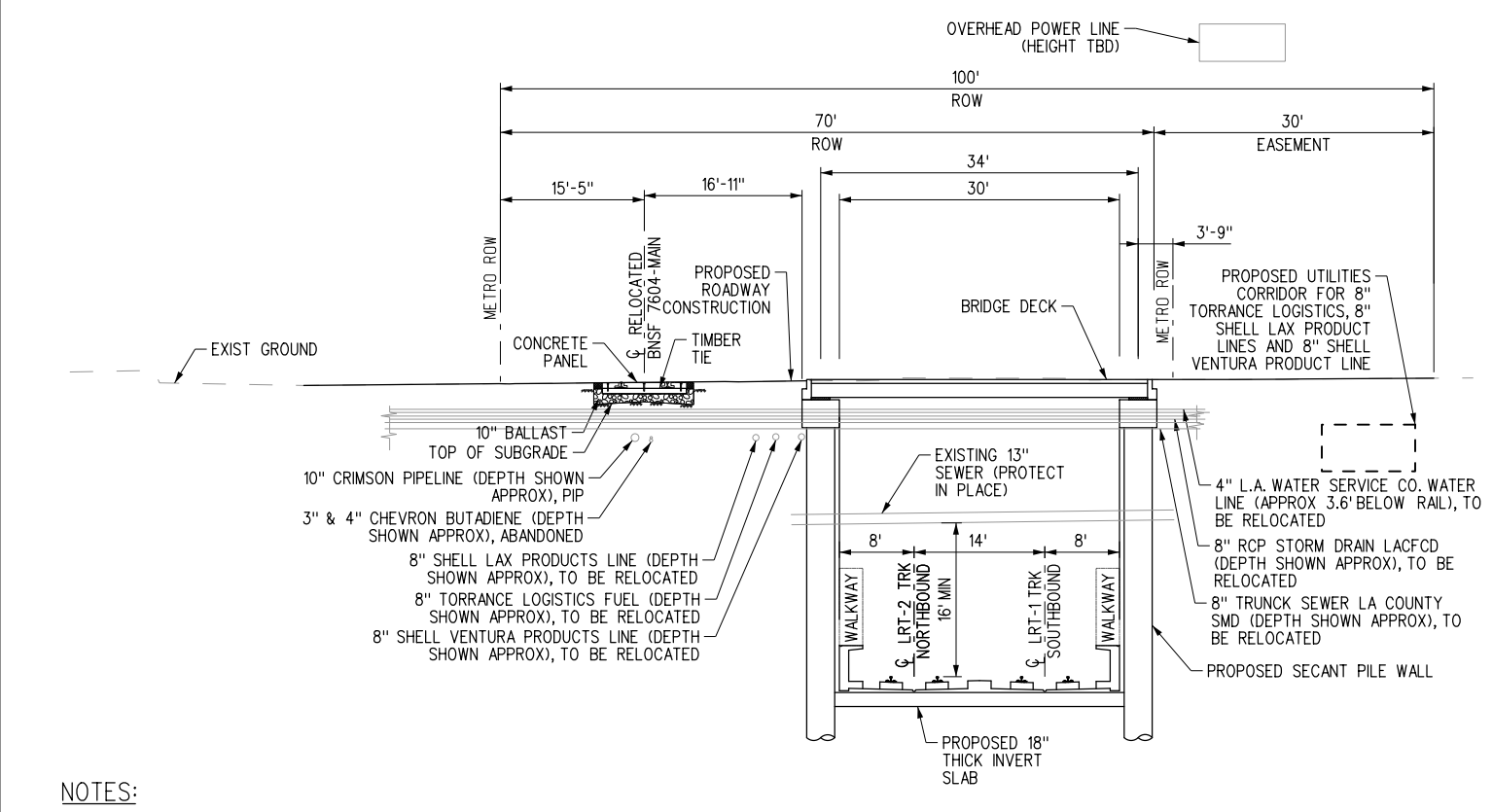
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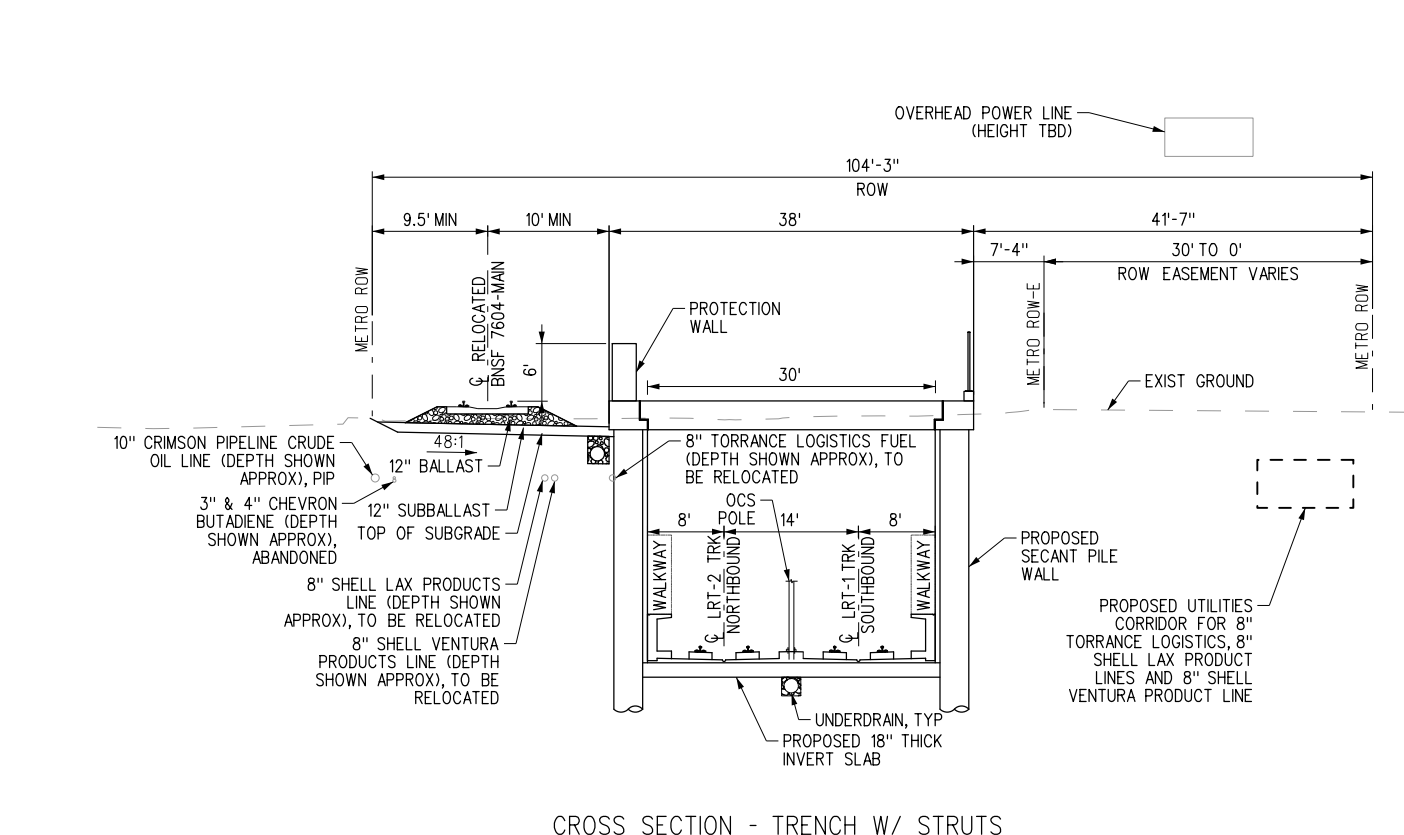
CROSS SECTION - TRENCH
SOUTH OF MARINE AVE
SCALE: 1"=10'
T-202



CROSS SECTION - TRENCH
NORTH OF INGLEWOOD AVE
SCALE: 1"=10'
T-203



CROSS SECTION - UNDERPASS
AT INGLEWOOD AVE
SCALE: 1"=10'
T-203



CROSS SECTION - TRENCH W/ STRUTS
SOUTH OF INGLEWOOD AVE
SCALE: 1"=10'
T-203

- NOTES:**
- ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. LOCATION AND DEPTHS WILL BE CONFIRMED BY SITE INVESTIGATION FOR FUTURE UPDATE WHERE NECESSARY.
 - ALL STRUCTURES, INCLUDING ELEVATED GUIDEWAY AND RETAINING WALLS ARE SHOWN CONCEPTUALLY, SEE STRUCTURES DRAWINGS FOR FURTHER DETAILS.

12/23/2022 2:02:41 PM gonzalezj I:\Projects\4020520\4020520_0001\90_CAD Models and Sheets\04_CK_Track_Rail_Sheet_L_Files\TC-201.sht

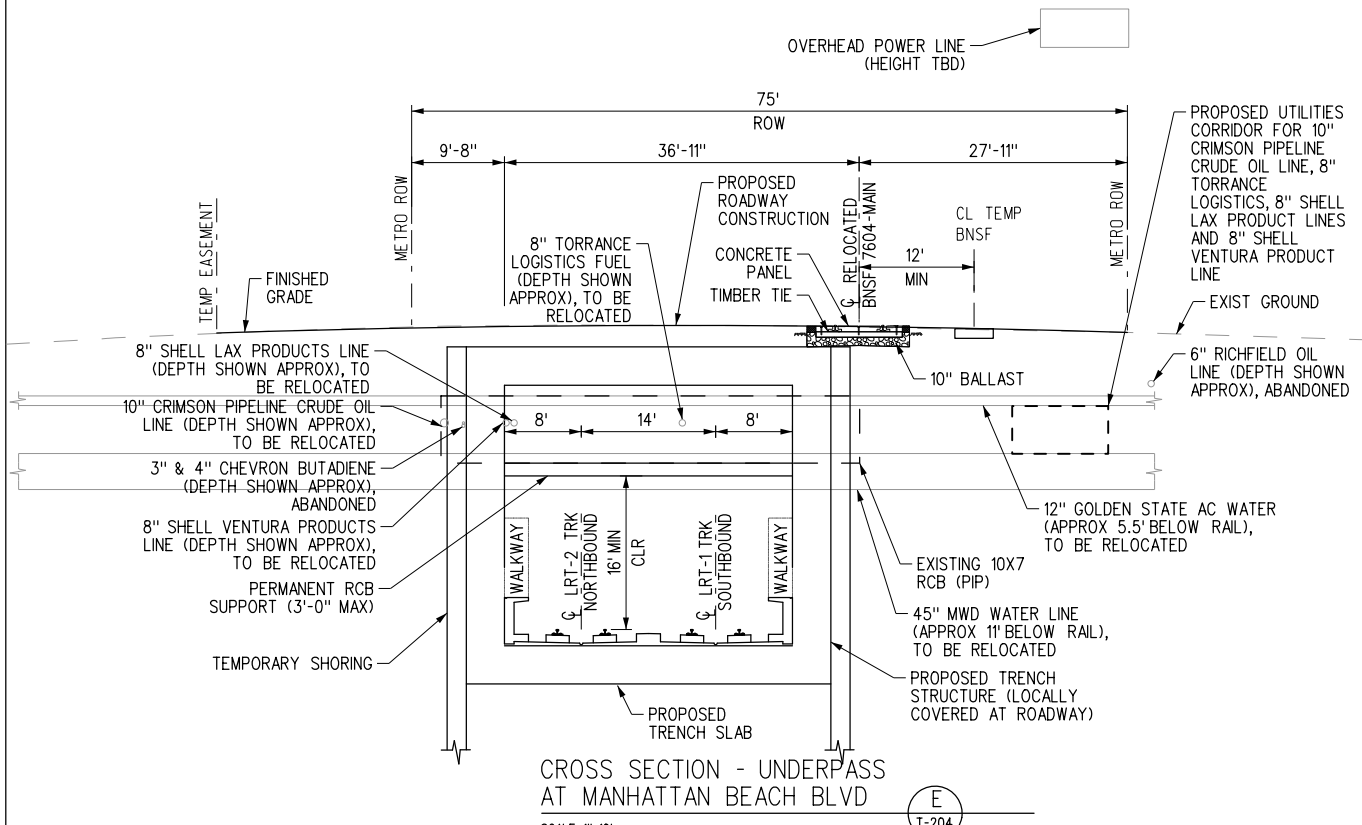
<p style="font-size: 2em; opacity: 0.5; transform: rotate(-30deg);">NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>	<p>DESIGNED BY J. GONZALEZ</p> <p>DRAWN BY B. EUN LLOVET</p> <p>CHECKED BY G. THOMPSON</p> <p>APPROVED BY A. SOKOL</p> <p>DATE 12/9/2022</p>
REV.	DATE	BY	APP.

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 TRENCH OPTION
 TYPICAL SECTIONS
 SHEET 1 OF 3

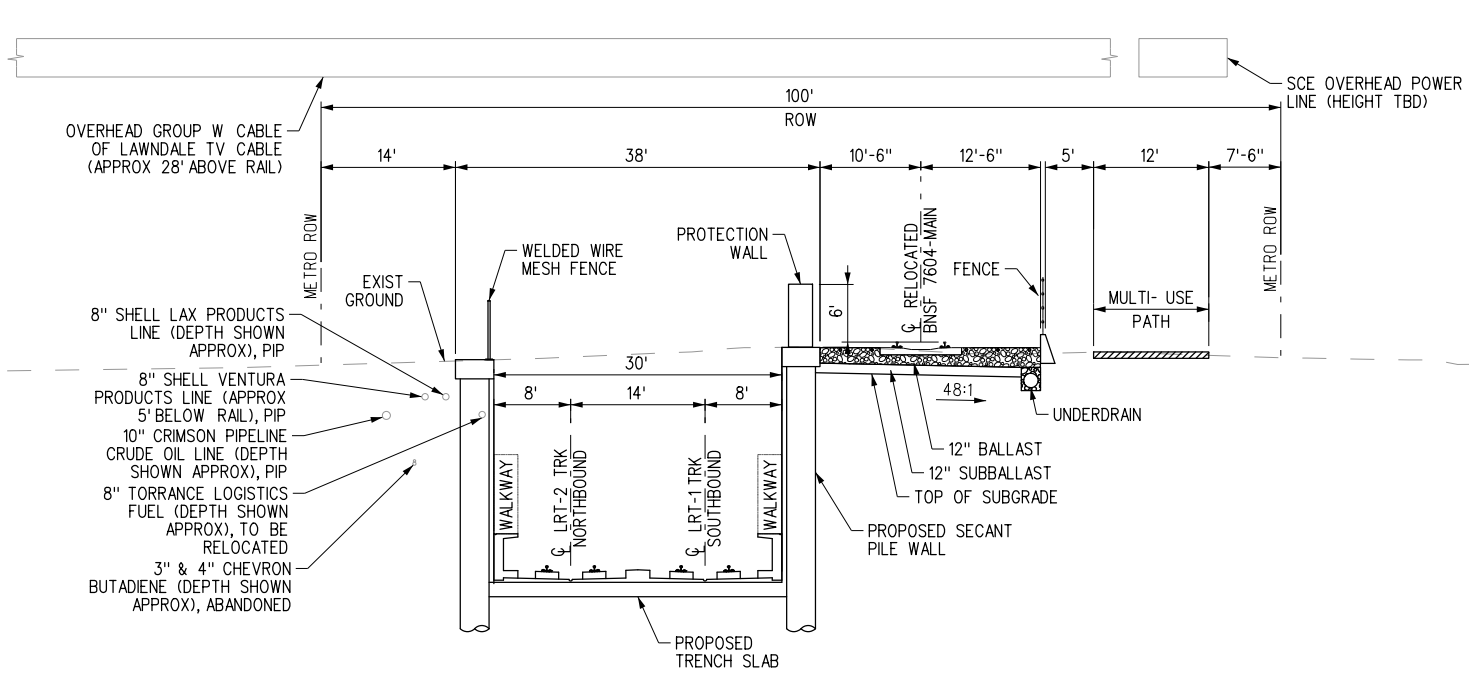
CONTRACT NO. AE63445001	
DRAWING NO. TC-201	
REVISION	SHEET NO.
SCALE AS SHOWN	



CROSS SECTION - UNDERPASS AT MANHATTAN BEACH BLVD

SCALE: 1"=10'

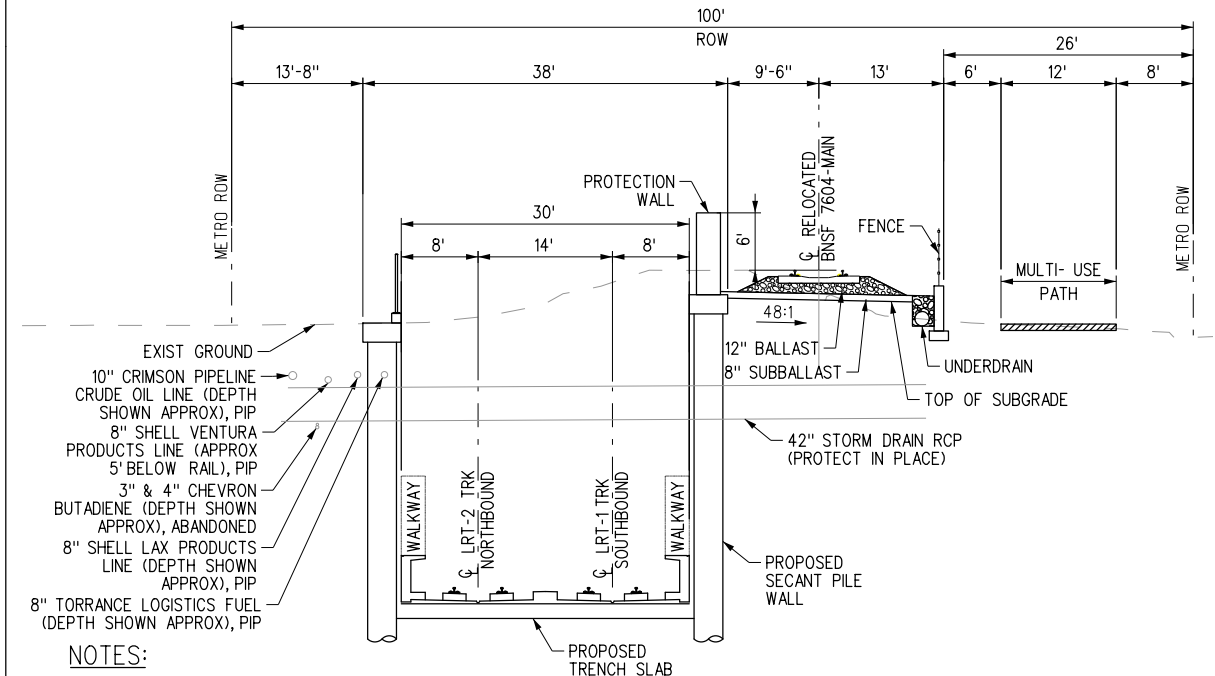
E T-204



CROSS SECTION - TRENCH SOUTH OF 162ND ST

SCALE: 1"=10'

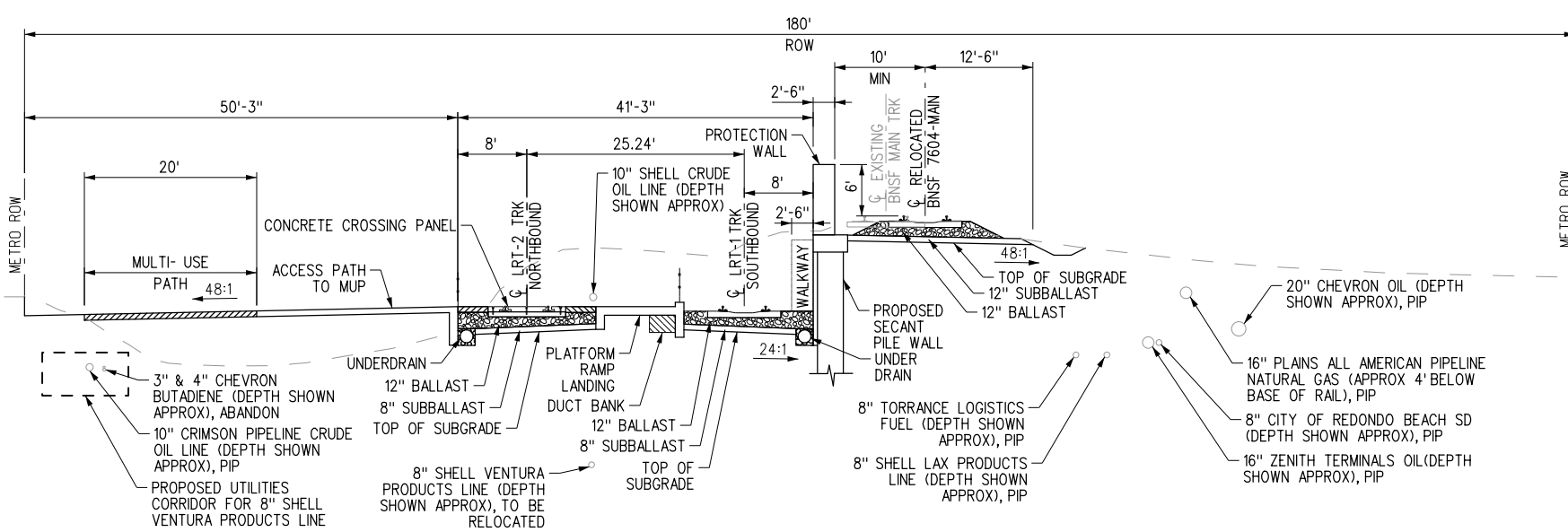
F T-205



CROSS SECTION - TRENCH SOUTH OF 162ND ST

SCALE: 1"=10'

G T-206



CROSS SECTION - SOUTH OF REDONDO BEACH TRANSIT CENTER STATION

SCALE: 1"=10'

H T-210

- NOTES:**
- ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. LOCATION AND DEPTHS WILL BE CONFIRMED BY SITE INVESTIGATION FOR FUTURE UPDATE WHERE NECESSARY.
 - ALL STRUCTURES, INCLUDING ELEVATED GUIDEWAY AND RETAINING WALLS ARE SHOWN CONCEPTUALLY, SEE STRUCTURES DRAWINGS FOR FURTHER DETAILS.

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INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.	
DESIGNED BY	J. GONZALEZ
DRAWN BY	B. EUN LLOVET
CHECKED BY	G. THOMPSON
APPROVED BY	A. SOKOL
DATE	12/9/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

Metro

STV 100 Years

SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE

ADVANCED CONCEPTUAL ENGINEERING

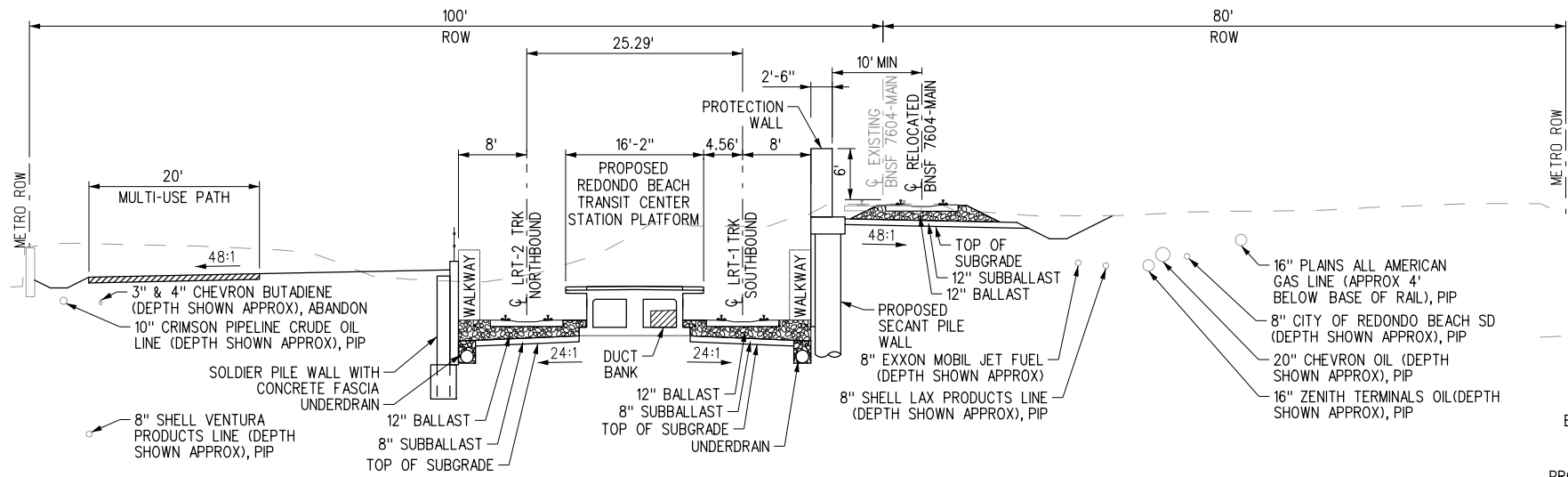
TRENCH OPTION

TYPICAL SECTIONS

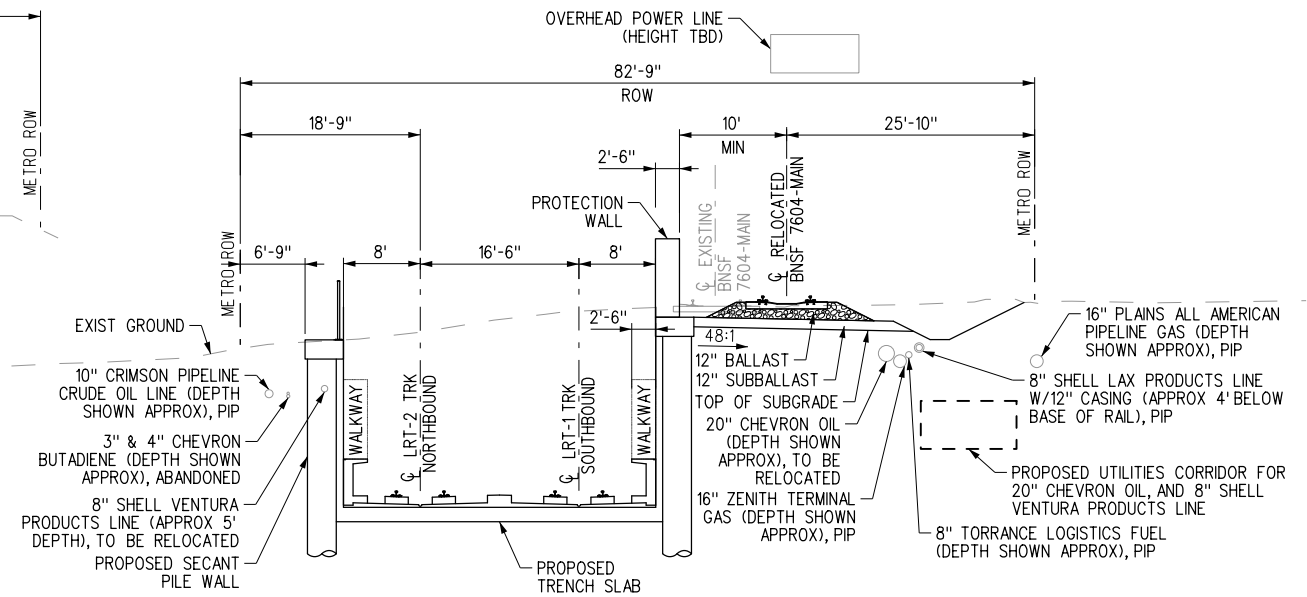
SHEET 2 OF 3

CONTRACT NO.	AE63445001
DRAWING NO.	TC-202
REVISION	SHEET NO.
SCALE	AS SHOWN

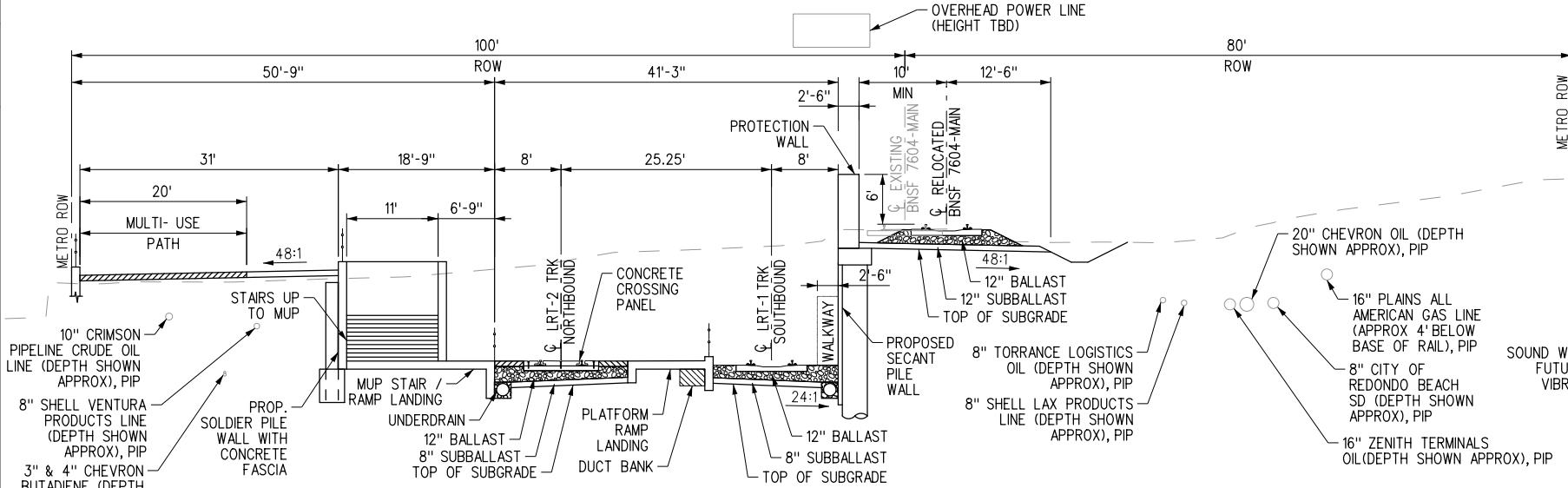
OVERHEAD POWER LINE
(HEIGHT TBD)



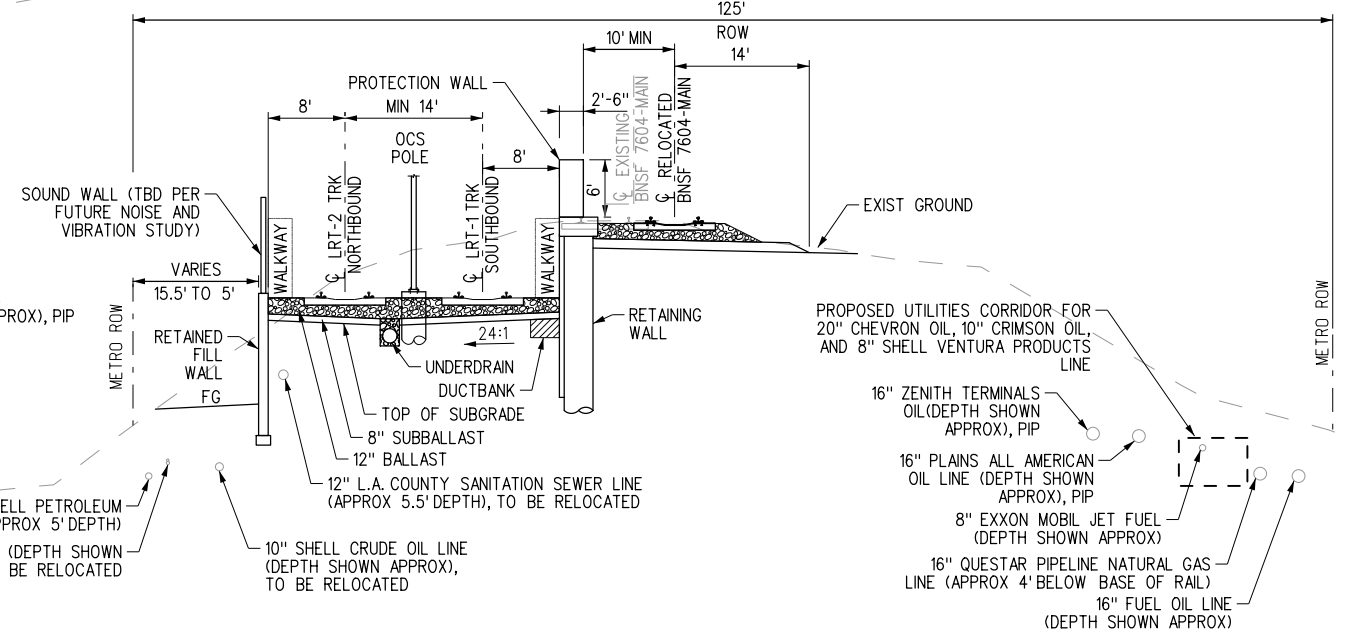
CROSS SECTION - TRENCH
NORTH OF 182ND ST
SCALE: 1"=10'
T-210



CROSS SECTION - TRENCH
SOUTH OF 182ND ST
SCALE: 1"=10'
T-211



CROSS SECTION - TRENCH
SOUTH OF 182ND ST
SCALE: 1"=10'
T-210



CROSS SECTION - TRENCH
NORTH OF HAWTHORNE BLVD
SCALE: 1"=10'
T-212

- NOTES:**
- ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. LOCATION AND DEPTHS WILL BE CONFIRMED BY SITE INVESTIGATION FOR FUTURE UPDATE WHERE NECESSARY.
 - ALL STRUCTURES, INCLUDING ELEVATED GUIDEWAY AND RETAINING WALLS ARE SHOWN CONCEPTUALLY, SEE STRUCTURES DRAWINGS FOR FURTHER DETAILS.

12/23/2022 2:02:43 PM gonzalezj I:\Projects\4020520\4020520_0001\90_CAD Models and Sheets\04_CK_Track_Rail_Sheet_L_Files\TC-203.sht

NOT FOR CONSTRUCTION		INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.
DESIGNED BY	J. GONZALEZ	
DRAWN BY	B. EUN LLOVET	
CHECKED BY	G. THOMPSON	
APPROVED BY	A. SOKOL	
DATE	12/9/2022	
REV.	DATE	BY SUB. APP.

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

Metro

STV 100 Years

SUBMITTED: _____ PROJECT MANAGER

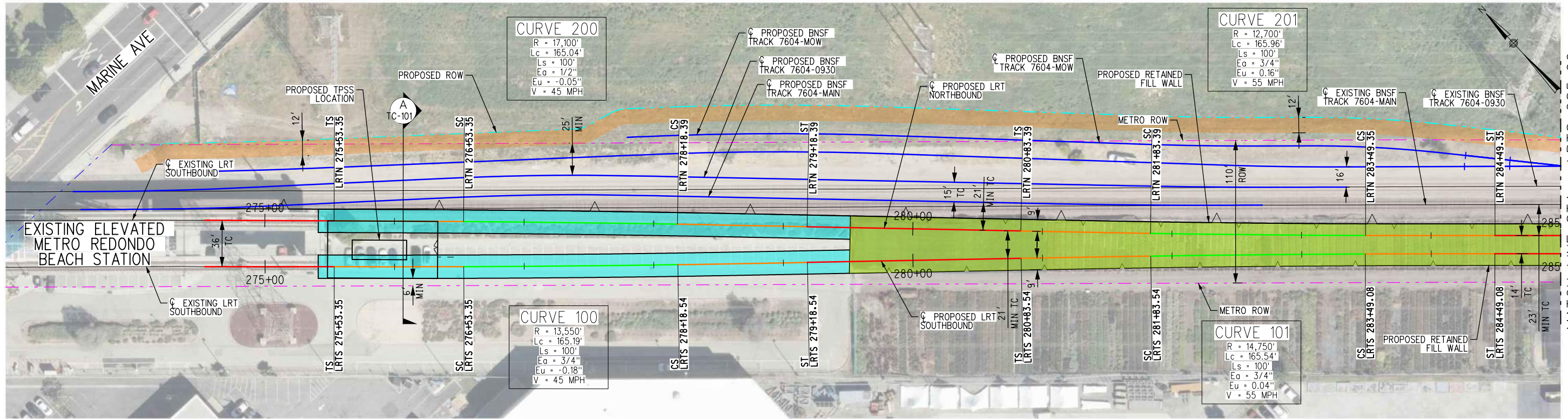
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
TRENCH OPTION
TYPICAL SECTIONS
SHEET 3 OF 3

CONTRACT NO.	AE63445001
DRAWING NO.	TC-203
REVISION	SHEET NO.
SCALE	AS SHOWN

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND

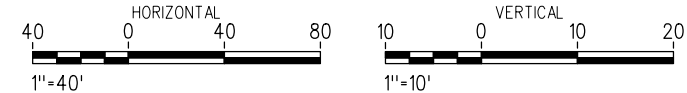


TRACK LEGEND

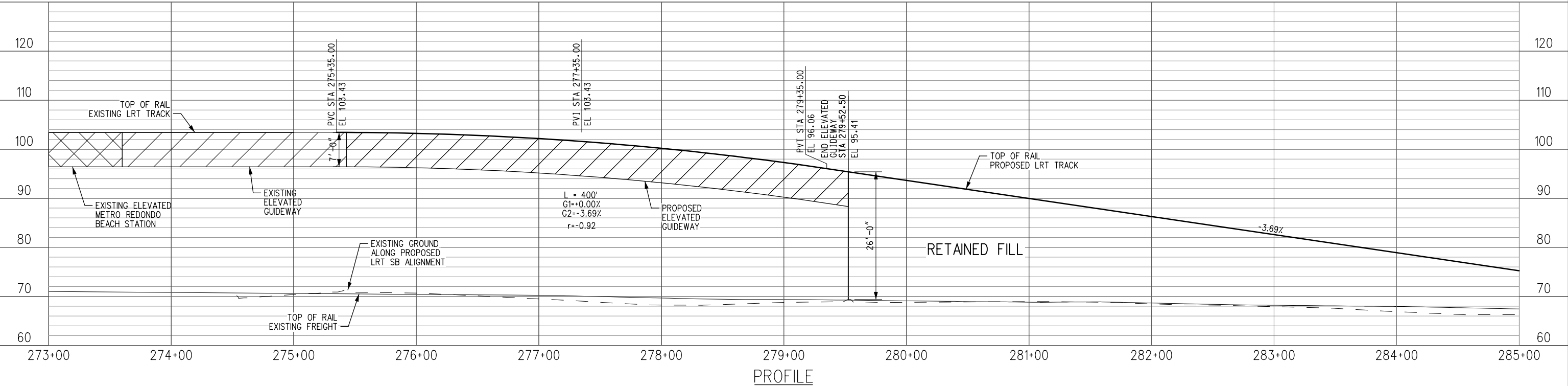
- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- EXISTING LRT TRACK
- PROPOSED RETAINED FILL
- PROPOSED ELEVATED GUIDEWAY OR BRIDGE
- PROPOSED MULTI-USE PATH (W/PED LIGHTING)
- PROPOSED TRENCH
- PROPOSED BNSF ACCESS ROAD

NOTE:

1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



PLAN



PROFILE

NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

INFORMATION CONFIDENTIAL:
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DESIGNED BY
J. GONZALEZ

DRAWN BY
O. PLASCENCIA

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

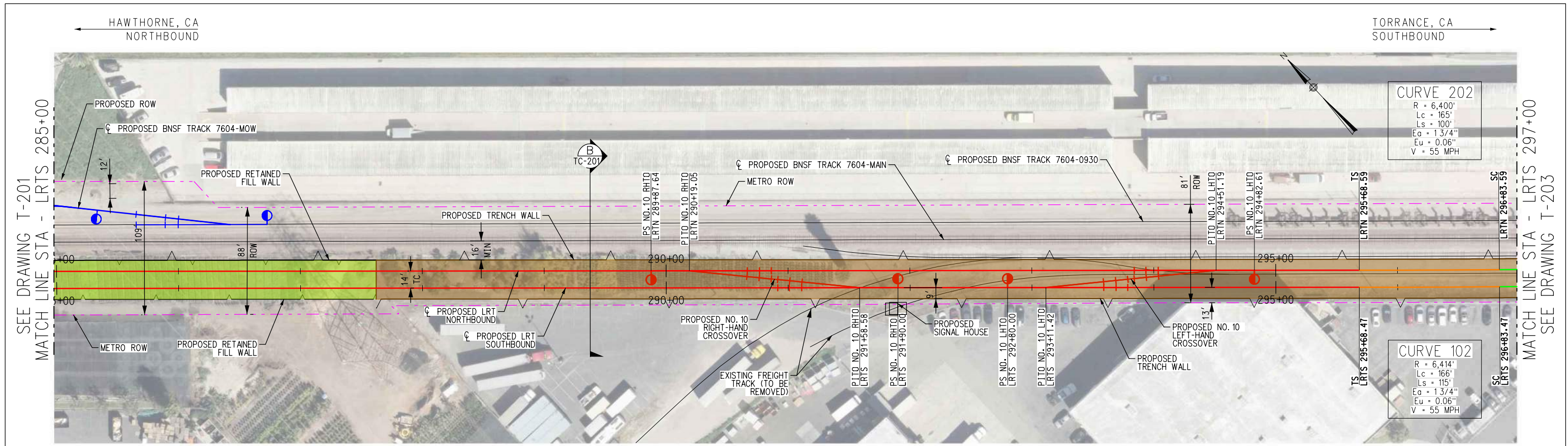
SUBMITTED: _____
PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
TRENCH OPTION - TRACK PLAN & PROFILE
LRTS 273+00 TO LRTS 285+00
SHEET 1 OF 13

CONTRACT NO. AE63445001	
DRAWING NO. T-201	
REVISION	SHEET NO.
SCALE	AS SHOWN

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TRACK LEGEND

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- PROPOSED RETAINED FILL
- PROPOSED ELEVATED GUIDEWAY OR BRIDGE
- PROPOSED MULTI-USE PATH (W/PED LIGHTING)
- PROPOSED TRENCH
- PROPOSED BNSF ACCESS ROAD

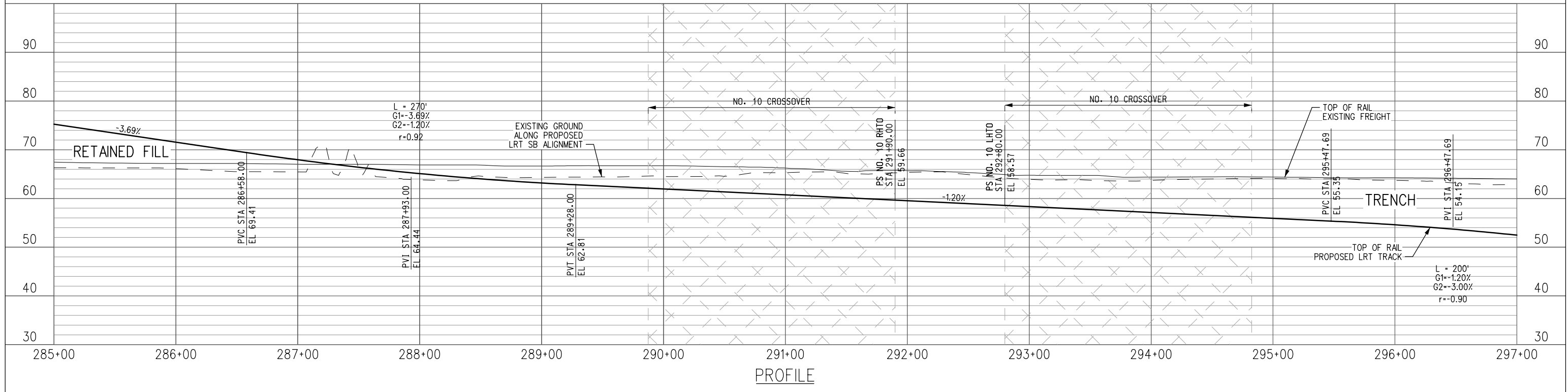
NOTE:

- NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.

PLAN

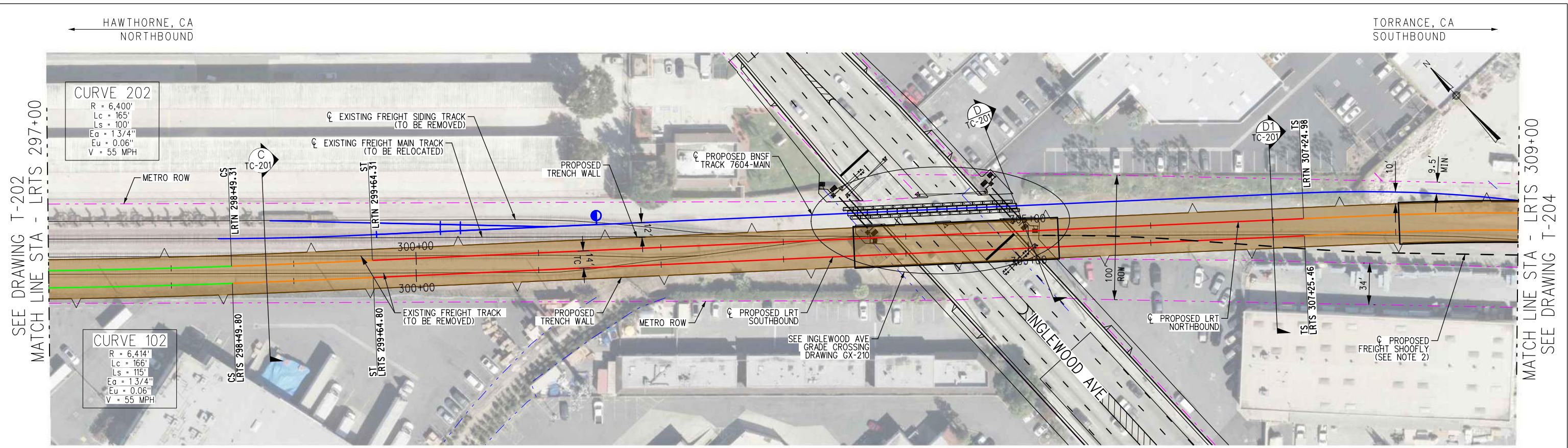
HORIZONTAL SCALE: 1"=40'

VERTICAL SCALE: 1"=10'



<p>NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>	<p>DESIGNED BY J. GONZALEZ</p>	<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>	<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING TRENCH OPTION - TRACK PLAN & PROFILE LRTS 285+00 TO LRTS 297+00 SHEET 2 OF 13</p>	<p>CONTRACT NO. AE63445001</p>
			<p>DRAWN BY O. PLASCENCIA</p>			<p>DRAWING NO. T-202</p>
			<p>CHECKED BY G. THOMPSON</p>	<p>STV 100 Years</p>	<p>REVISION SHEET NO.</p>	<p>SCALE AS SHOWN</p>
			<p>APPROVED BY A. SOKOL</p>			
REV.	DATE	BY	APP.	DATE		
				12/9/2022		

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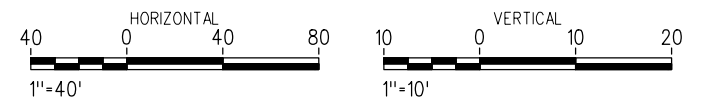


TRACK LEGEND

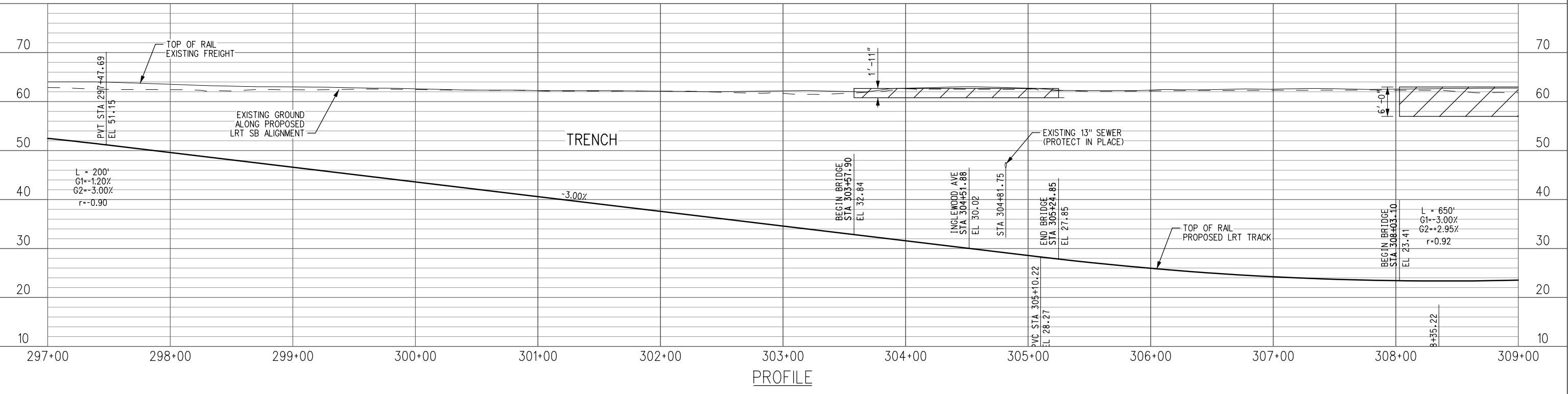
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	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
	EXISTING FREIGHT TRACK
	PROPOSED FREIGHT SHOOFLY
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	PROPOSED TRENCH
	PROPOSED BNSF ACCESS ROAD

NOTE:

- NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.
- FREIGHT RAIL SHOOFLY SHOWN IN PLAN TO BE CONSTRUCTED AS A TEMPORARY CONDITION DURING CONSTRUCTION OF THE TRENCH AND TRENCH CAP ACROSS MANHATTAN BEACH BLVD.



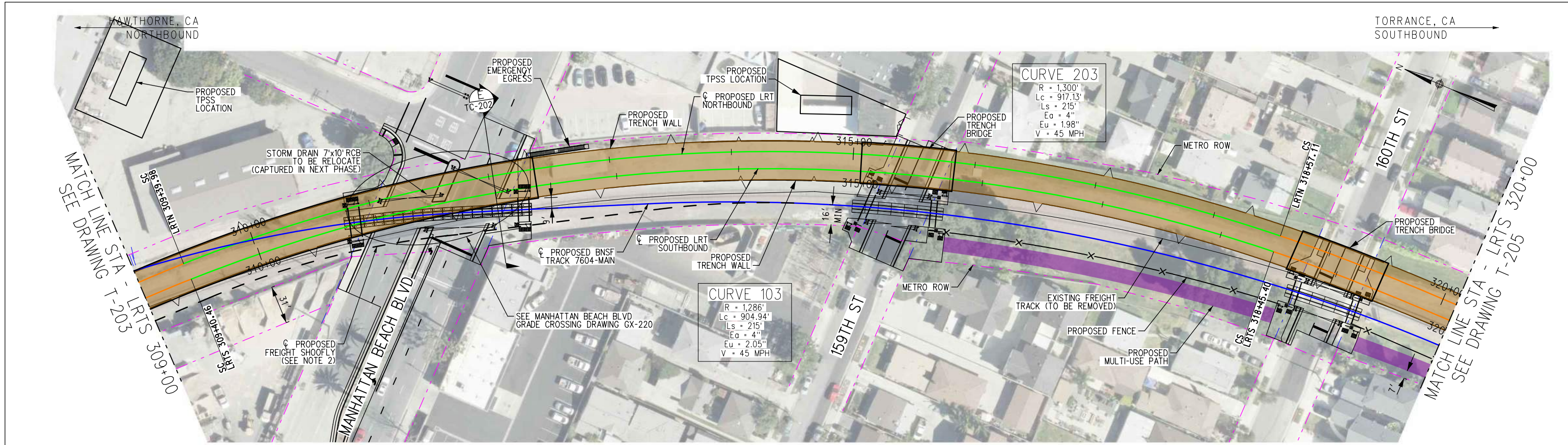
PLAN



PROFILE

NOT FOR CONSTRUCTION	INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.		DESIGNED BY J. GONZALEZ	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING TRENCH OPTION - TRACK PLAN & PROFILE LRTS 297+00 TO LRTS 309+00 SHEET 3 OF 13	CONTRACT NO. AE63445001
			DRAWN BY O. PLASCENCIA			DRAWING NO. T-203
			CHECKED BY G. THOMPSON			REVISION SHEET NO.
			APPROVED BY A. SOKOL			SCALE AS SHOWN
REV. DATE	BY SUB. APP.	DATE 12/9/2022	SUBMITTED: _____ PROJECT MANAGER	APPROVED: _____		

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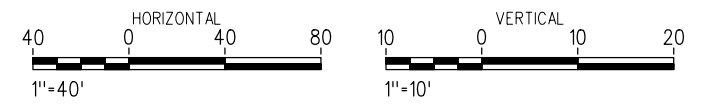


TRACK LEGEND

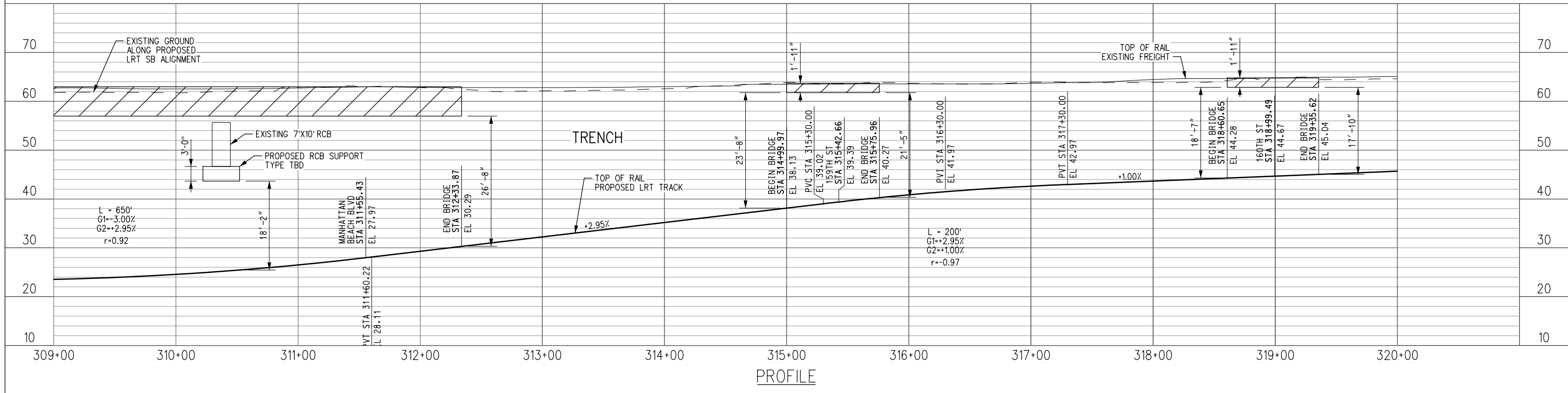
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	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
	EXISTING FREIGHT TRACK
	PROPOSED FREIGHT SHOOFLY
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	PROPOSED TRENCH
	PROPOSED BNSF ACCESS ROAD

NOTE:

- NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.
- FREIGHT RAIL SHOOFLY SHOWN IN PLAN TO BE CONSTRUCTED AS A TEMPORARY CONDITION DURING CONSTRUCTION OF THE TRENCH AND TRENCH CAP ACROSS MANHATTAN BEACH BLVD.



PLAN



PROFILE

NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

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DESIGNED BY	J. GONZALEZ
DRAWN BY	O. PLASCENCIA
CHECKED BY	G. THOMPSON
APPROVED BY	A. SOKOL
DATE	12/9/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

Metro

STV 100 Years

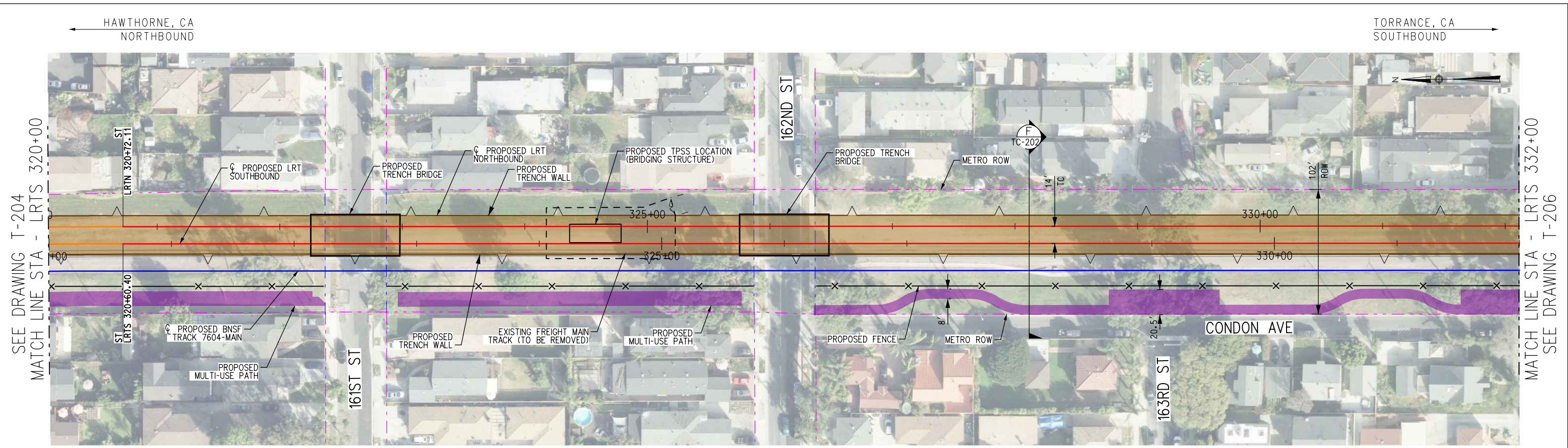
SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 TRENCH OPTION - TRACK PLAN & PROFILE
 LRTS 309+00 TO LRTS 320+00
 SHEET 4 OF 13

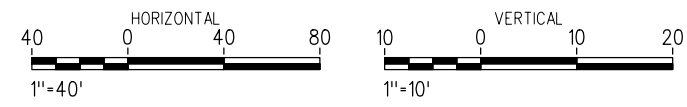
CONTRACT NO. AE63445001	
DRAWING NO. T-204	
REVISION	SHEET NO.
SCALE	AS SHOWN

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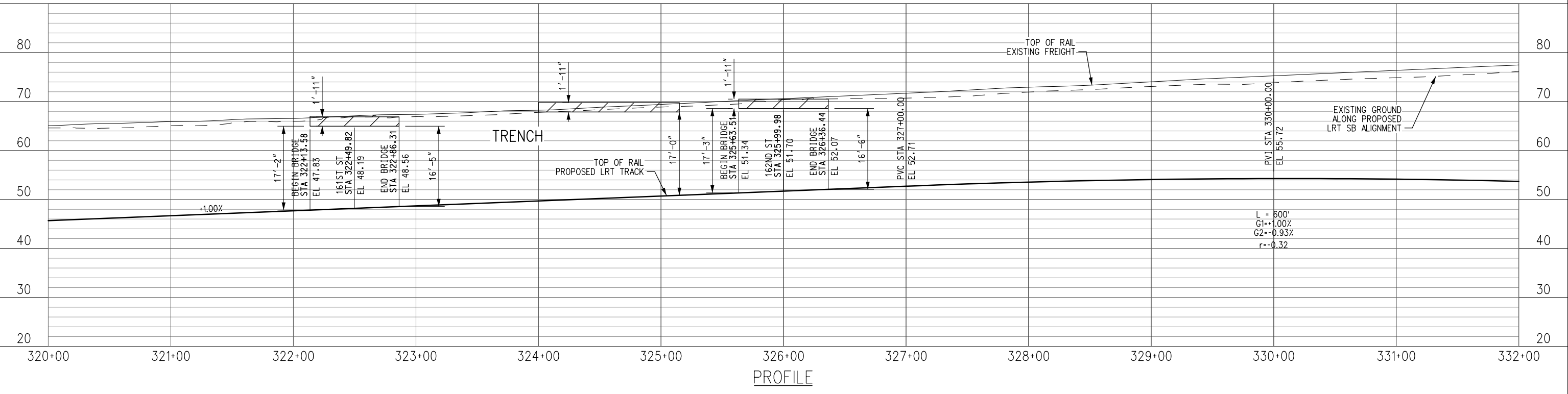


TRACK LEGEND	
	PROPOSED TANGENT TRACK
	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
	EXISTING FREIGHT TRACK
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	PROPOSED TRENCH
	PROPOSED BNSF ACCESS ROAD

NOTE:
 1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



PLAN



PROFILE

<p style="font-size: 2em; opacity: 0.5; transform: rotate(-45deg);">NOT FOR CONSTRUCTION</p>		INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.	
		DESIGNED BY J. GONZALEZ DRAWN BY O. PLASCENCIA CHECKED BY G. THOMPSON APPROVED BY A. SOKOL DATE 12/9/2022	
REV.	DATE	BY	APP.

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____

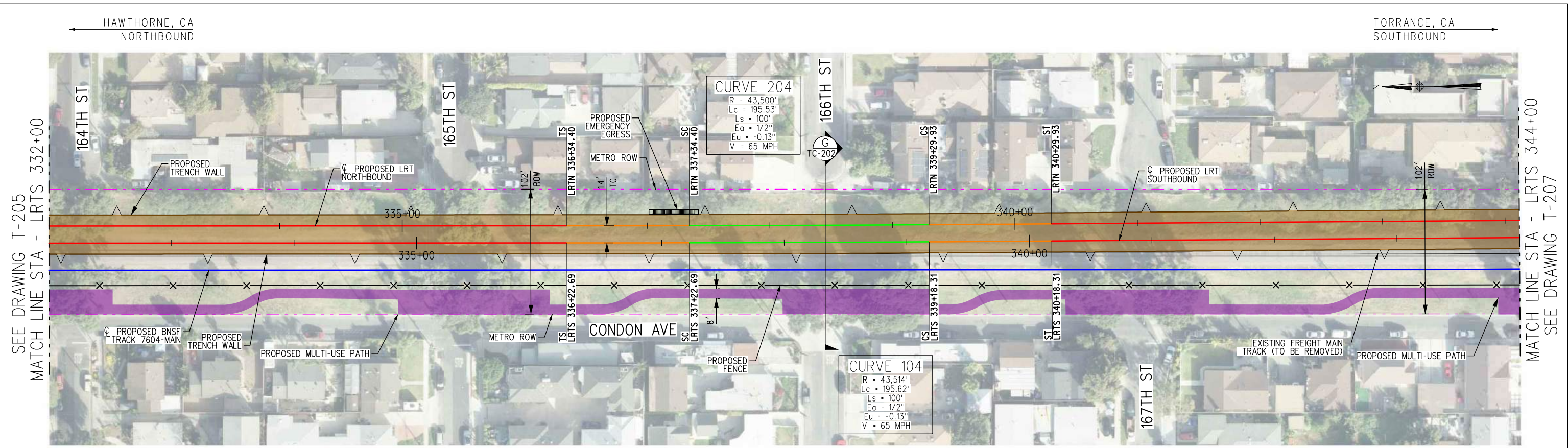
PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
TRENCH OPTION - TRACK PLAN & PROFILE
LRTS 320+00 TO LRTS 332+00
SHEET 5 OF 13

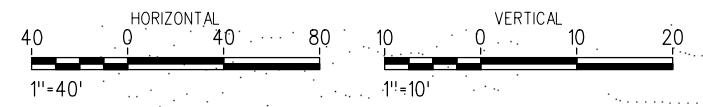
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DRAWING NO. T-205	
REVISION	SHEET NO.
SCALE	AS SHOWN

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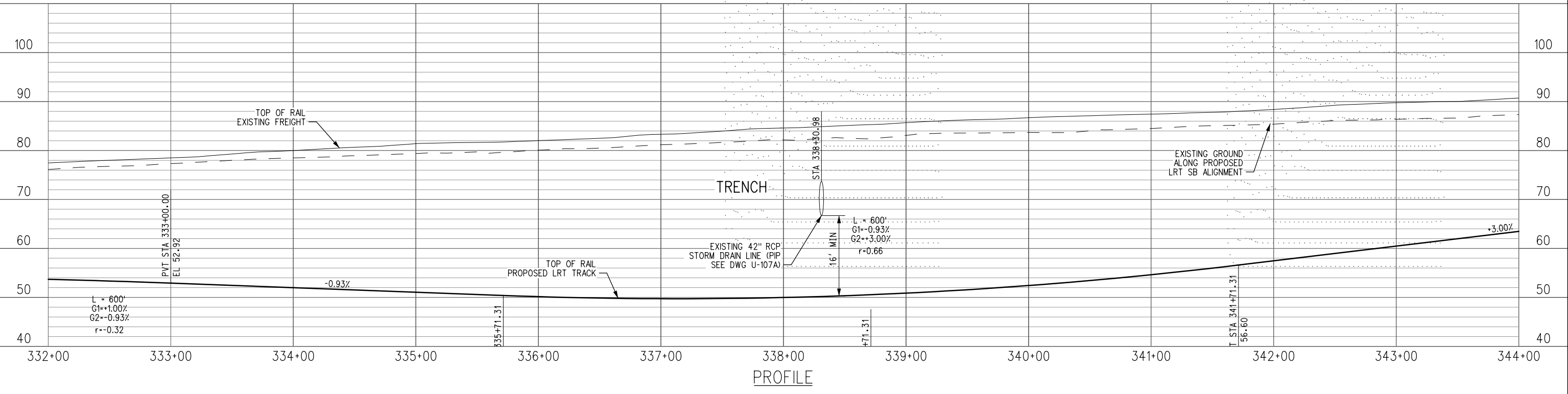


- TRACK LEGEND**
- PROPOSED TANGENT TRACK
 - PROPOSED SPIRAL TRACK
 - PROPOSED CURVE TRACK
 - PROPOSED FREIGHT TRACK
 - EXISTING FREIGHT TRACK
 - PROPOSED RETAINED FILL
 - PROPOSED ELEVATED GUIDEWAY OR BRIDGE
 - PROPOSED MULTI-USE PATH (W/PED LIGHTING)
 - PROPOSED TRENCH
 - PROPOSED BNSF ACCESS ROAD

NOTE:
 1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



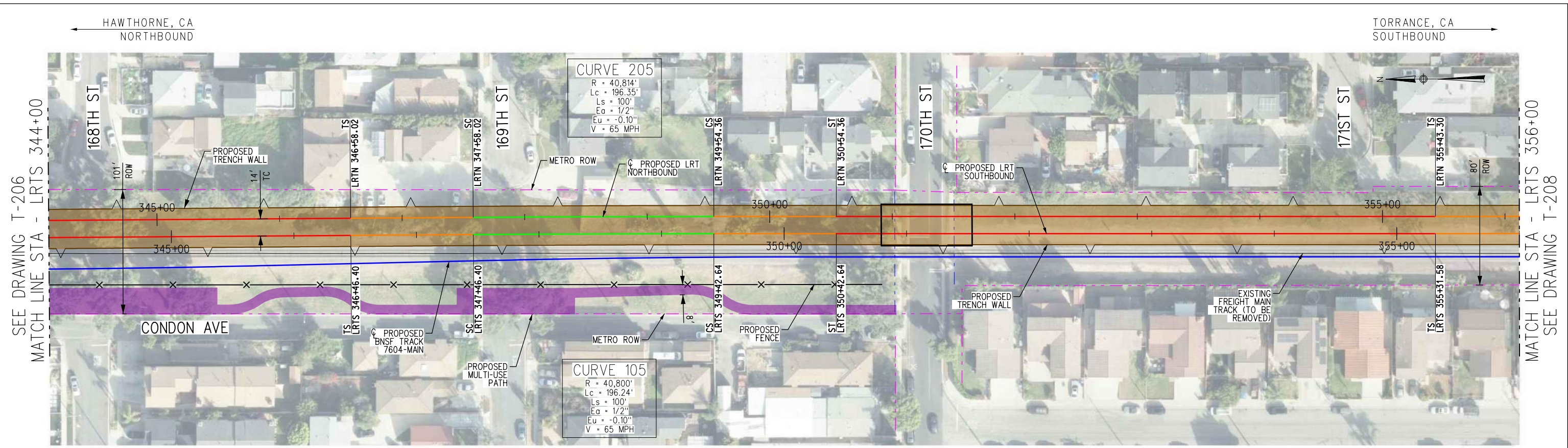
PLAN



PROFILE

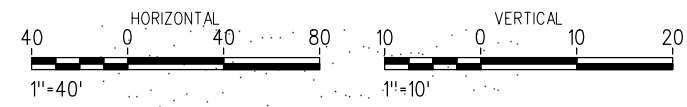
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		SUBMITTED: _____ PROJECT MANAGER APPROVED: _____					

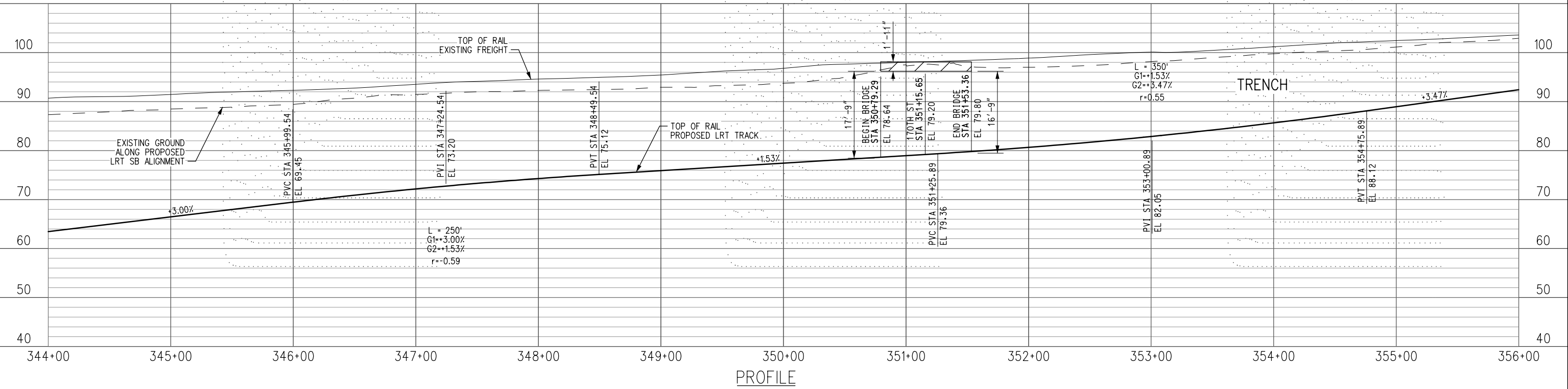


TRACK LEGEND	
	PROPOSED TANGENT TRACK
	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
	EXISTING FREIGHT TRACK
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	PROPOSED TRENCH
	PROPOSED BNSF ACCESS ROAD

NOTE:
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PLAN



PROFILE

NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

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DESIGNED BY: J. GONZALEZ
DRAWN BY: O. PLASCENCIA
CHECKED BY: G. THOMPSON
APPROVED BY: A. SOKOL
DATE: 12/9/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

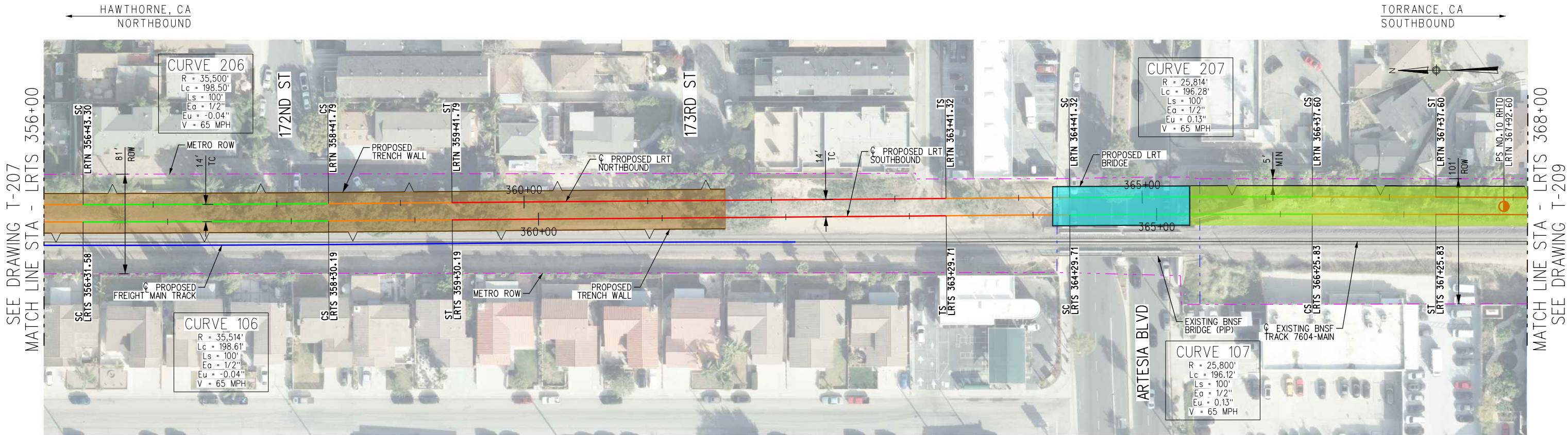
STV 100 Years

SUBMITTED: _____ PROJECT MANAGER
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
TRENCH OPTION - TRACK PLAN & PROFILE
LRTS 344+00 TO LRTS 356+00
SHEET 7 OF 13

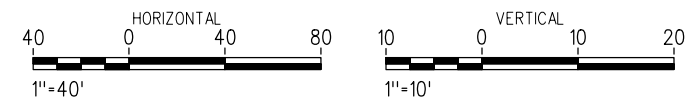
CONTRACT NO. AE63445001
DRAWING NO. T-207
REVISION SHEET NO.
SCALE AS SHOWN

12/23/2022 2:03:00 PM gonzalezj I:\Projects\4020520\4020520_000\90_CAD Models and Sheets\04_CK_Track_Rail_Sheet_Lines\T-207.sht

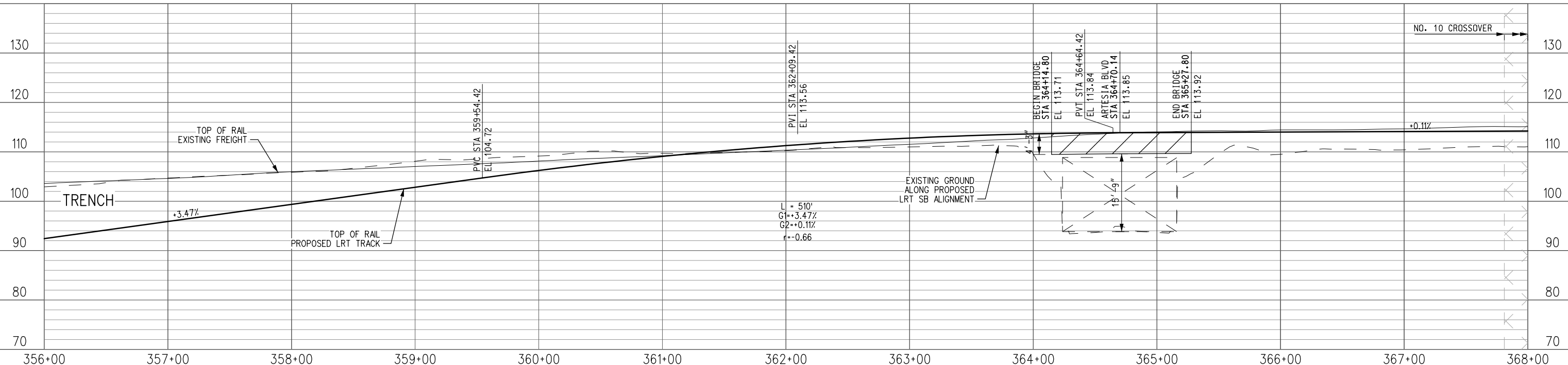


TRACK LEGEND	
	PROPOSED TANGENT TRACK
	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
	EXISTING FREIGHT TRACK
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED BNSF ACCESS ROAD
	PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	PROPOSED TRENCH

NOTE:
 1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



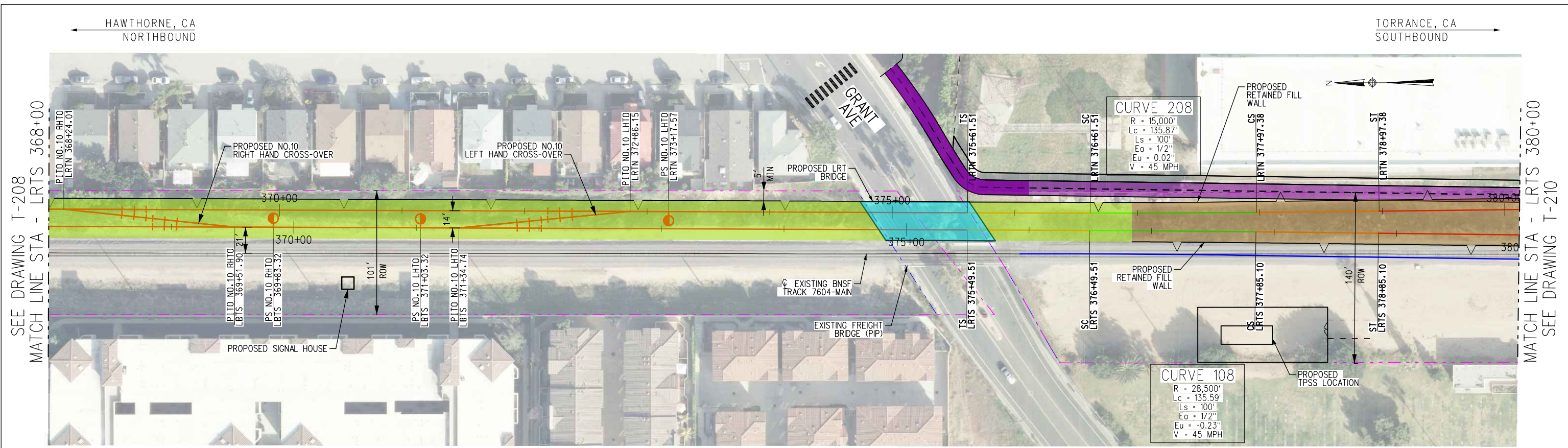
PLAN



PROFILE

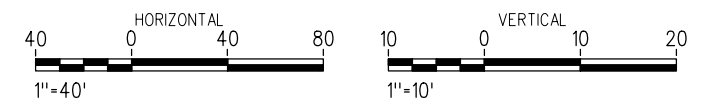
NOT FOR CONSTRUCTION	INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.	DESIGNED BY J. GONZALEZ	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING TRENCH OPTION - TRACK PLAN & PROFILE LRTS 356+00 TO LRTS 368+00 SHEET 8 OF 13	CONTRACT NO. AE63445001 DRAWING NO. T-208	
	DRAWN BY O. PLASCENCIA	CHECKED BY G. THOMPSON			REVISION SHEET NO.	
REV. DATE	BY SUB. APP.	APPROVED BY A. SOKOL	DATE 12/9/2022	SUBMITTED: _____ PROJECT MANAGER	APPROVED: _____	SCALE AS SHOWN

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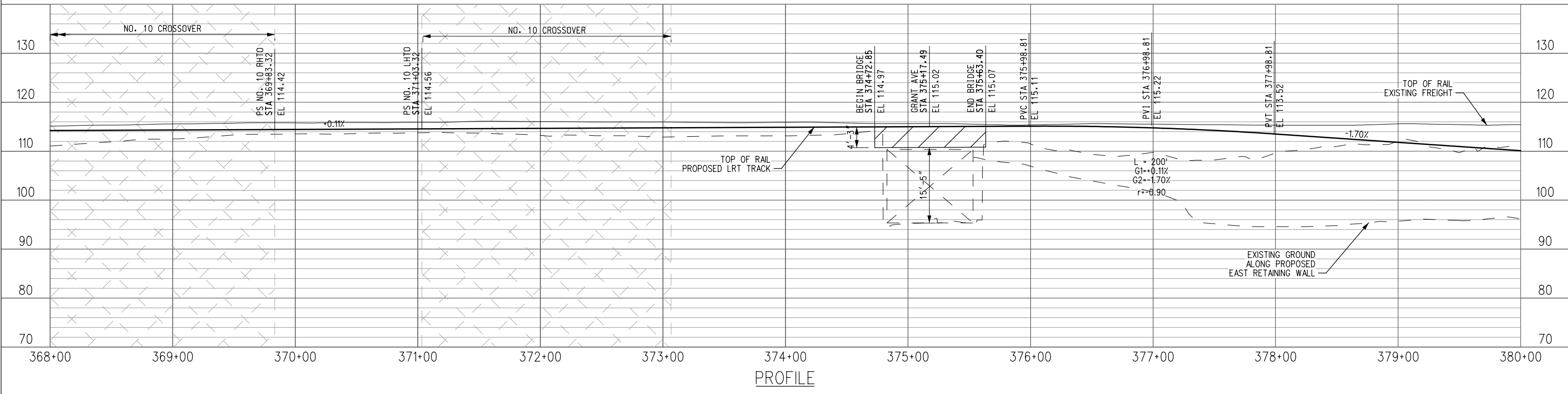


TRACK LEGEND	
	PROPOSED TANGENT TRACK
	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
	EXISTING FREIGHT TRACK
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	PROPOSED TRENCH
	PROPOSED BNSF ACCESS ROAD

NOTE:
 1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



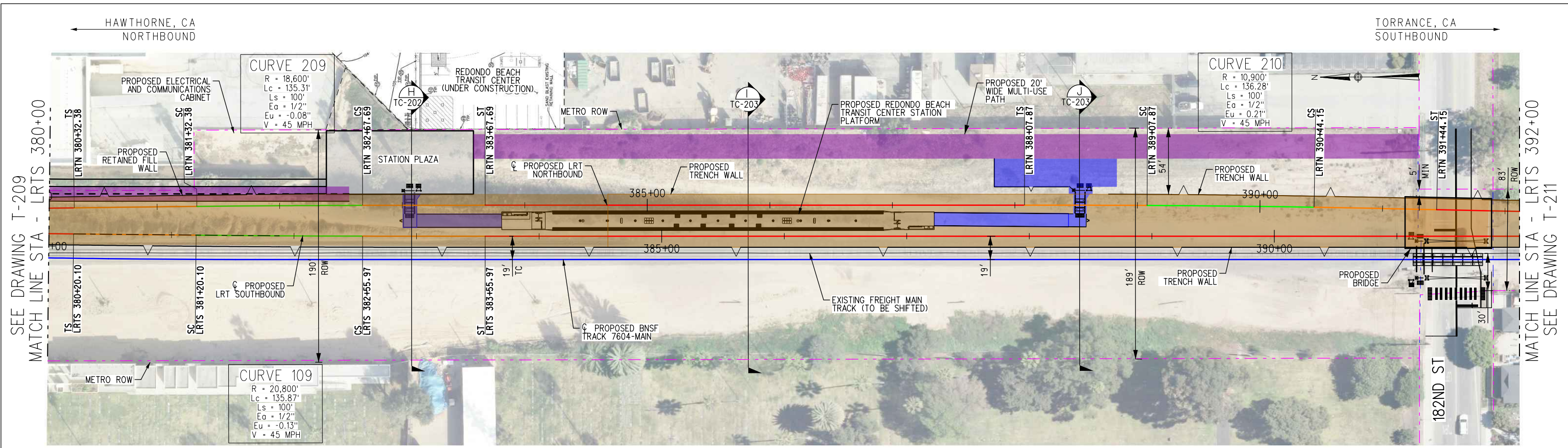
PLAN



PROFILE

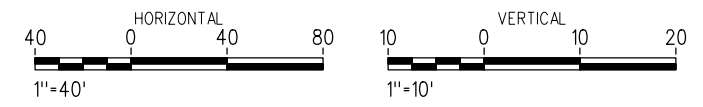
NOT FOR CONSTRUCTION	INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.	DESIGNED BY J. GONZALEZ DRAWN BY O. PLASCENCIA CHECKED BY G. THOMPSON APPROVED BY A. SOKOL DATE 12/9/2022	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING TRENCH OPTION - TRACK PLAN & PROFILE LRTS 368+00 TO LRTS 380+00 SHEET 9 OF 13	CONTRACT NO. AE63445001 DRAWING NO. T-209 REVISION SHEET NO. SCALE AS SHOWN
	SUBMITTED: _____ PROJECT MANAGER APPROVED: _____				
	REV. DATE BY SUB. APP.				

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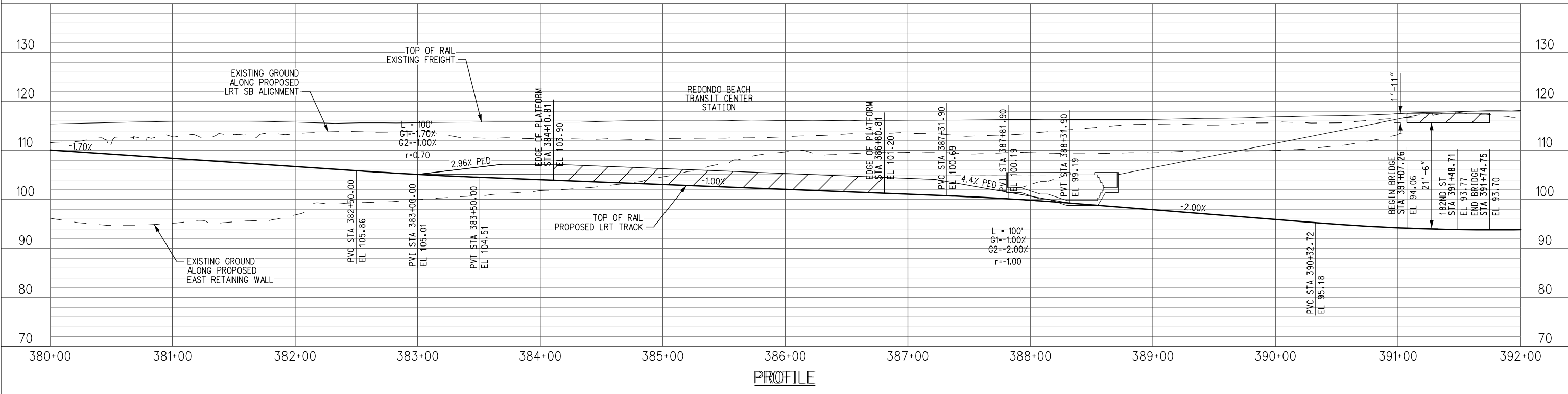


TRACK LEGEND	
	PROPOSED TANGENT TRACK
	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
	EXISTING FREIGHT TRACK
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	PROPOSED BNSF ACCESS ROAD
	PROPOSED STATION RAMP
	PROPOSED TRENCH

NOTE:
 1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



PLAN



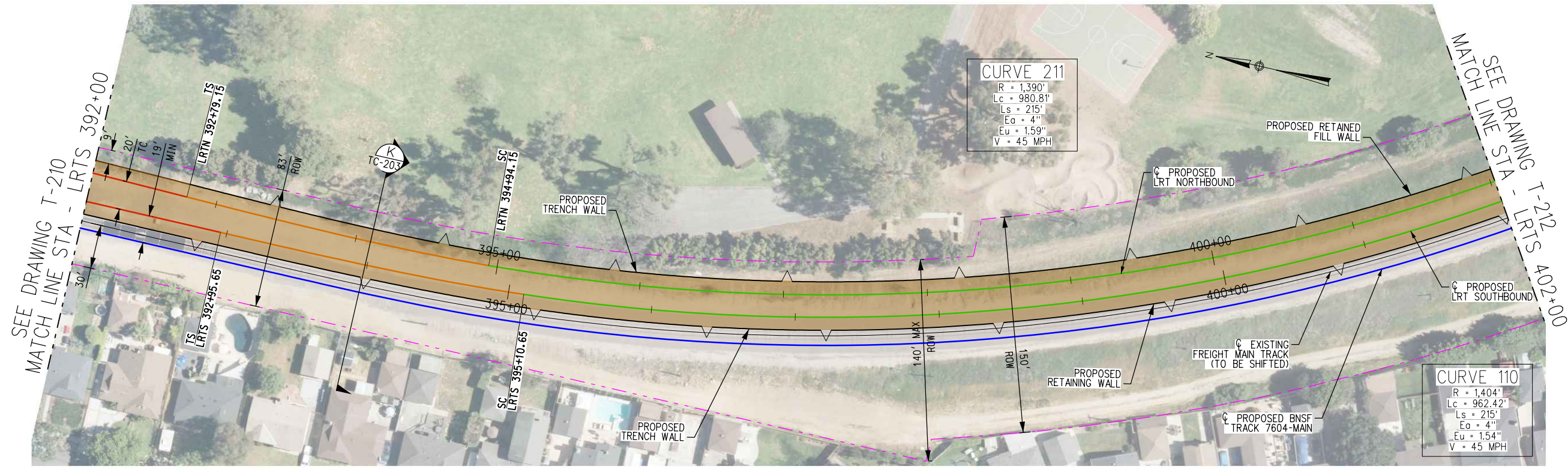
PROFILE

<p>NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herein shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>	DESIGNED BY J. GONZALEZ	<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>	<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING TRENCH OPTION - TRACK PLAN & PROFILE LRTS 380+00 TO LRTS 392+00 SHEET 10 OF 13</p>	CONTRACT NO. AE63445001 DRAWING NO. T-210
			DRAWN BY O. PLASCENCIA			REVISION SHEET NO.
CHECKED BY G. THOMPSON	APPROVED BY A. SOKOL	DATE 12/9/2022	SUBMITTED: _____ PROJECT MANAGER	APPROVED: _____	SCALE AS SHOWN	

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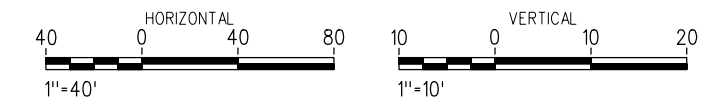
HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND

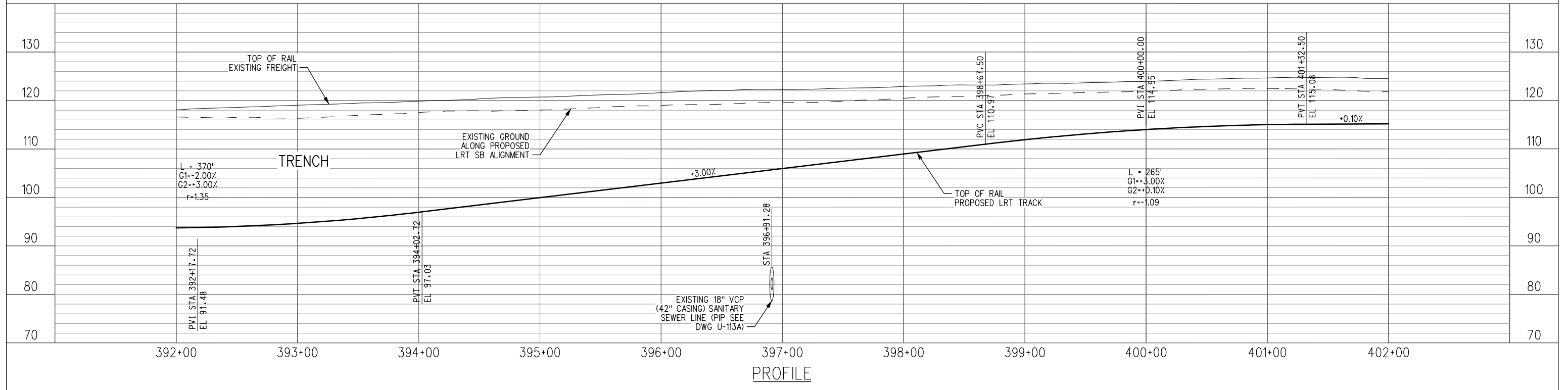


TRACK LEGEND	
	PROPOSED TANGENT TRACK
	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
	EXISTING FREIGHT TRACK
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	PROPOSED TRENCH
	PROPOSED BNSF ACCESS ROAD

NOTE:
1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



PLAN



PROFILE

NOT FOR CONSTRUCTION			DESIGNED BY J. GONZALEZ	
			DRAWN BY O. PLASCENCIA	
			CHECKED BY G. THOMPSON	
			APPROVED BY A. SOKOL	
REV.	DATE	BY	APP.	DATE 04/23/2021

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LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

STV 100 Years

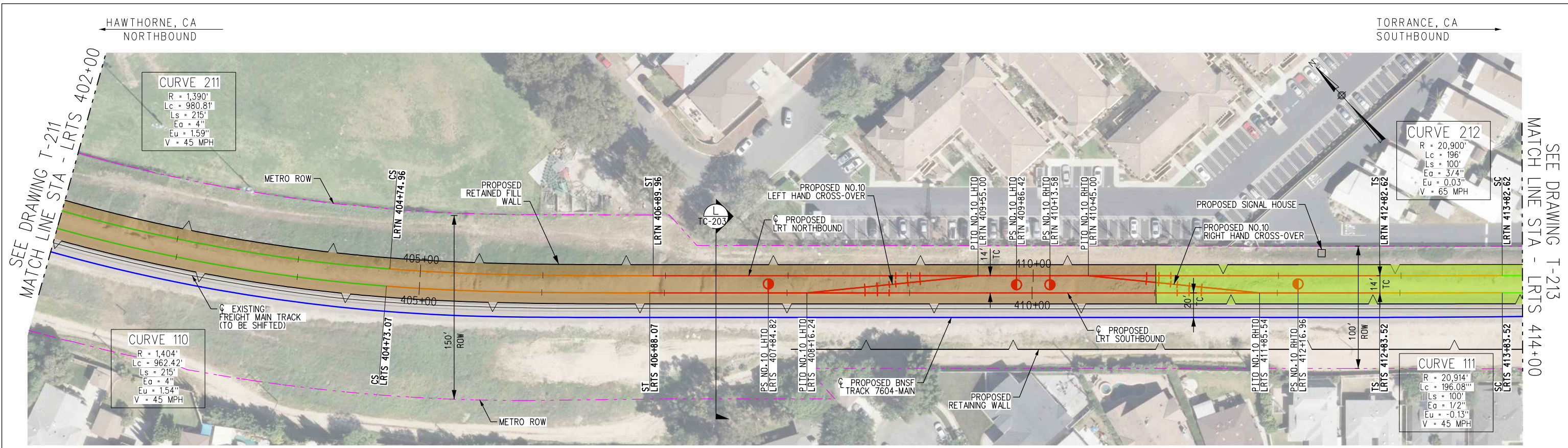
SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
ALTERNATIVE 1T - TRACK PLAN & PROFILE
LRTS 392+00 TO LRTS 402+00
SHEET 11 OF 13

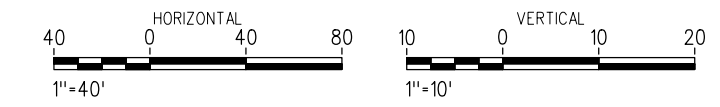
CONTRACT NO. AE63445001
DRAWING NO. T-211
REVISION SHEET NO.
SCALE AS SHOWN

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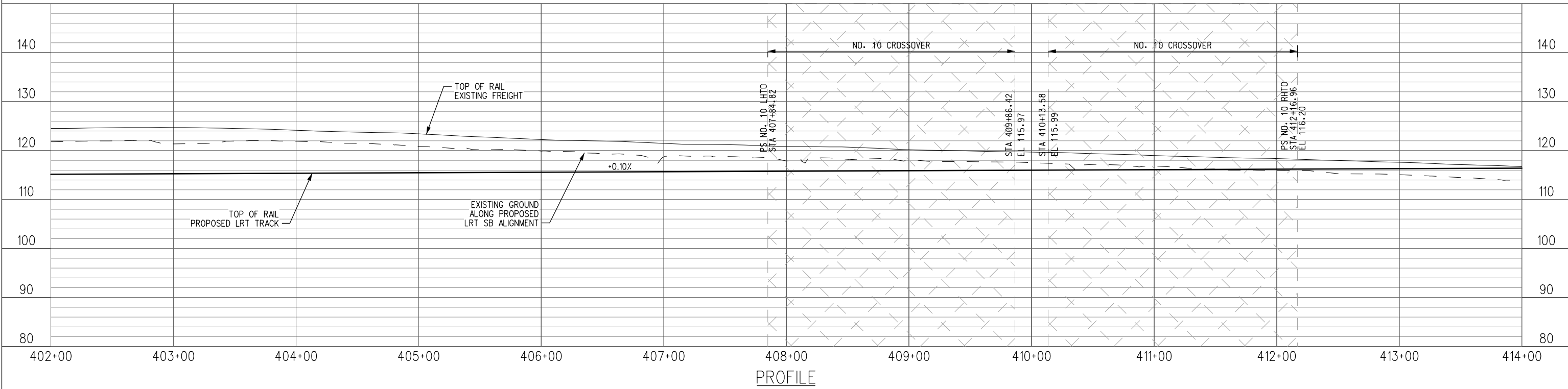


TRACK LEGEND			
	PROPOSED TANGENT TRACK		PROPOSED RETAINED FILL
	PROPOSED SPIRAL TRACK		PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED CURVE TRACK		PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	PROPOSED FREIGHT TRACK		PROPOSED TRENCH
	EXISTING FREIGHT TRACK		

NOTE:
 1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.



PLAN



PROFILE

NOT FOR CONSTRUCTION		INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.	DESIGNED BY J. GONZALEZ
		DRAWN BY O. PLASCENCIA	
		CHECKED BY G. THOMPSON	APPROVED BY A. SOKOL
REV.	DATE	BY	DATE 12/9/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

STV 100 Years

SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

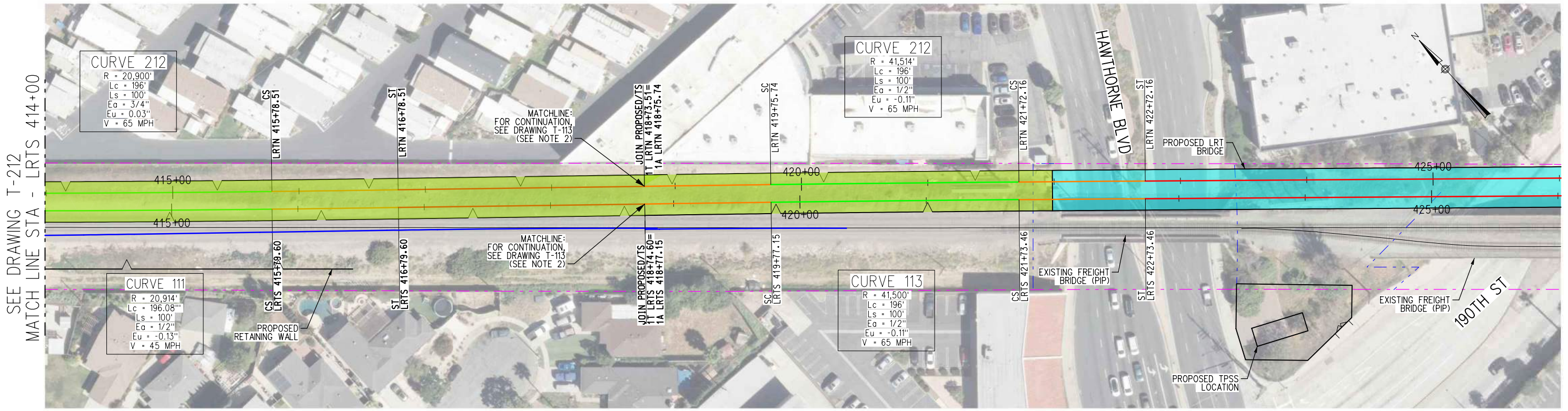
METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 TRENCH OPTION - TRACK PLAN & PROFILE
 LRTS 402+00 TO LRTS 414+00
 SHEET 12 OF 13

CONTRACT NO. AE63445001	
DRAWING NO. T-212	
REVISION	SHEET NO.
SCALE	AS SHOWN

1/19/2023 10:12:50 AM TAMAYOU I:\Projects\4020520\4020520_0001\90_CAD Models and Sheets\04_CK_Track_Rail\Sheet_Lines\T-212.sht

HAWTHORNE, CA
NORTHBOUND

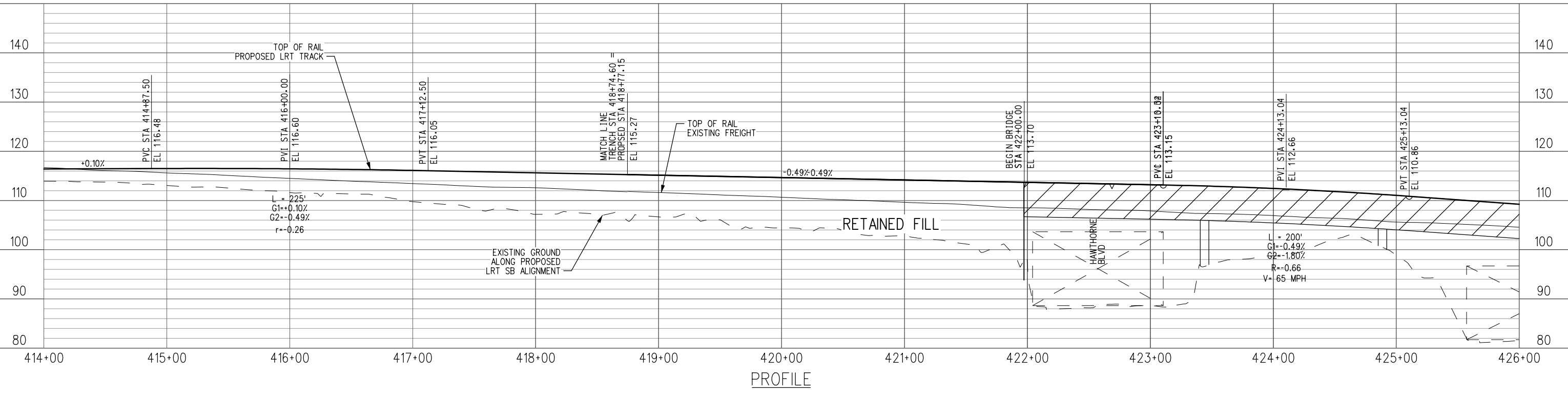
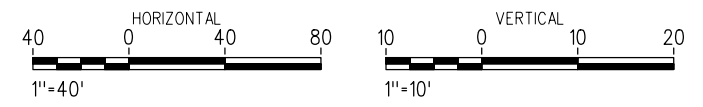
TORRANCE, CA
SOUTHBOUND



SEE DRAWING T-212
MATCH LINE STA - LRTS 414+00

TRACK LEGEND	
	PROPOSED TANGENT TRACK
	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED FREIGHT TRACK
	EXISTING FREIGHT TRACK
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	PROPOSED BNSF ACCESS ROAD
	PROPOSED TRENCH

NOTE:
 1. NB TRACK PROFILE TO MATCH PROPOSED SB TRACK UNLESS OTHERWISE NOTED ON PLANS.
 2. PROPOSED WORK FOR TRENCH OPTION SOUTH OF THIS MATCHLINE IS IDENTICAL TO THE PROPOSED PROJECT.

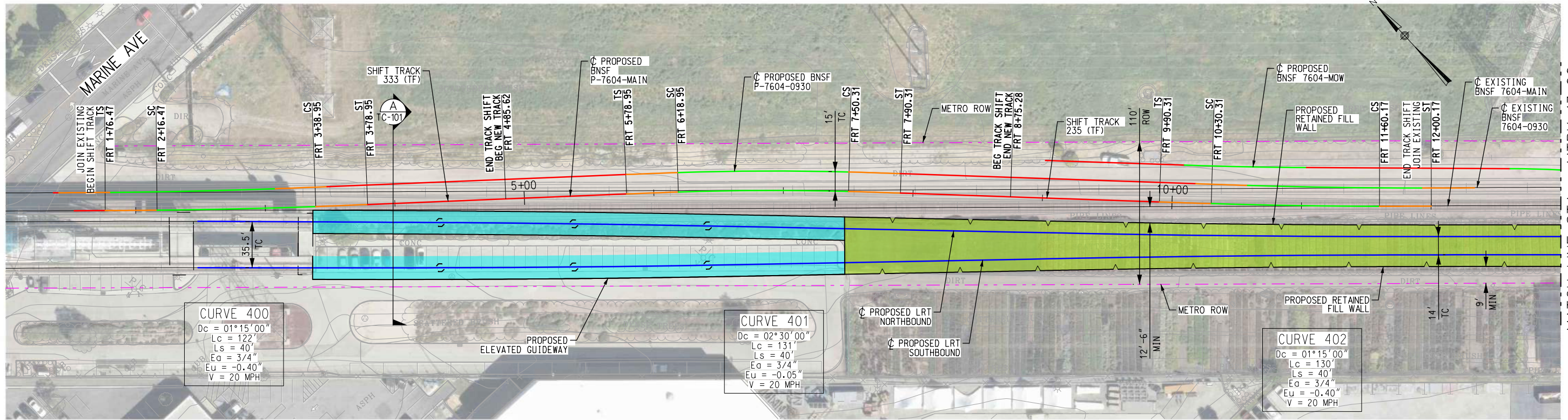


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		<p>DRAWN BY O. PLASCENCIA</p>			<p>CHECKED BY G. THOMPSON</p>
<p>REV. DATE</p>	<p>BY SUB. APP.</p>	<p>DATE 12/9/2022</p>	<p>SUBMITTED: _____ PROJECT MANAGER</p>	<p>APPROVED: _____</p>	<p>SCALE AS SHOWN</p>

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HAWTHORNE, CA
NORTHBOUND

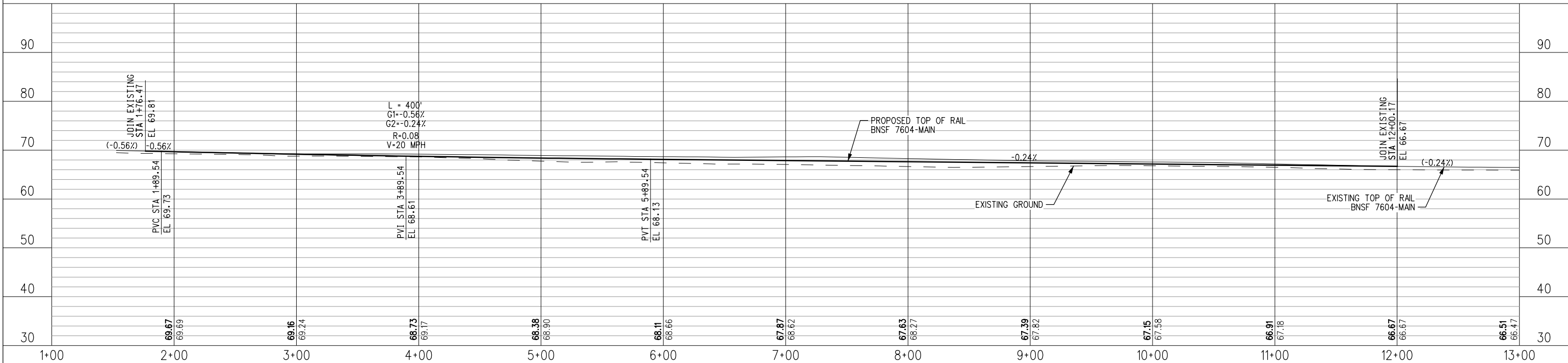
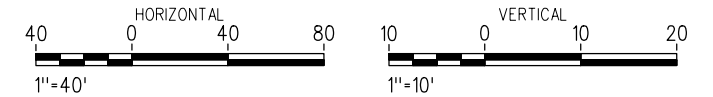
TORRANCE, CA
SOUTHBOUND



MATCH LINE STA - MTRK 13+00
SEE DRAWING T-402

- TRACK LEGEND**
- PROPOSED TANGENT TRACK
 - PROPOSED SPIRAL TRACK
 - PROPOSED CURVE TRACK
 - PROPOSED LIGHT RAIL TRACK
 - EXISTING FREIGHT TRACK
 - PROPOSED RETAINED FILL
 - PROPOSED ELEVATED GUIDEWAY OR BRIDGE
 - PROPOSED MIXED USE PATH

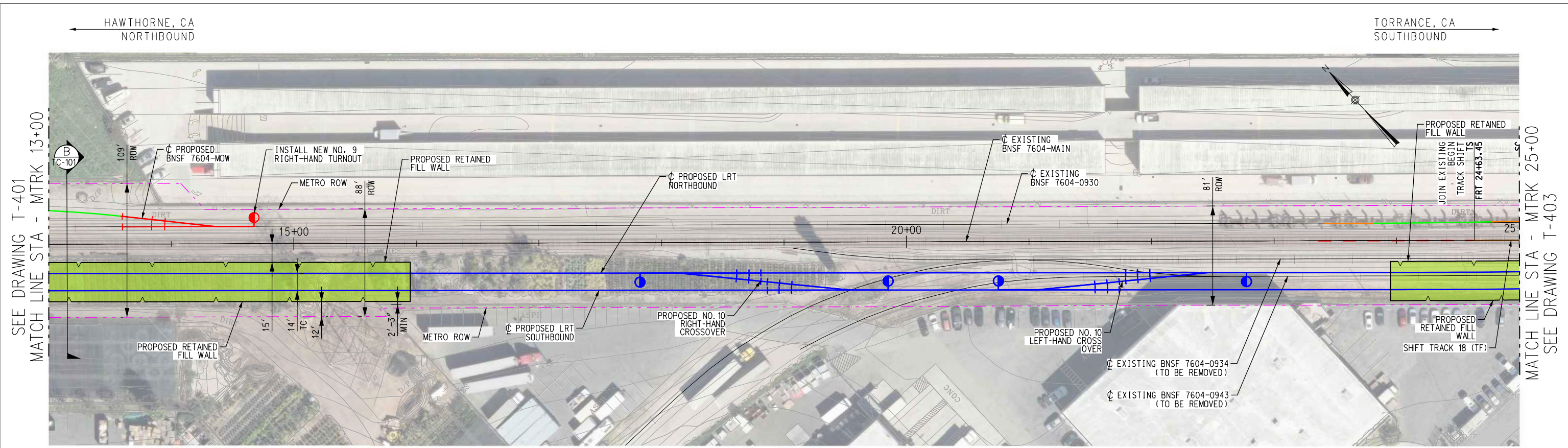
PLAN



PROFILE

<p>NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>		<p>DESIGNED BY: J. GONZALEZ DRAWN BY: O. PLASCENCIA CHECKED BY: G. THOMPSON APPROVED BY: A. SOKOL DATE: 7/22/2022</p>		<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY Metro</p>		<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROP PROJECT-FREIGHT TRACK PLAN&PROFILE MTRK 1+00 TO MTRK 13+00 SHEET 1 OF 21</p>		<p>CONTRACT NO. AE63445001 DRAWING NO. T-401 REVISION SHEET NO. SCALE AS SHOWN</p>	
		<p>DATE: 7/22/2022</p>		<p>SUBMITTED: PROJECT MANAGER</p>		<p>APPROVED:</p>		<p>DATE: 7/22/2022</p>		<p>DATE: 7/22/2022</p>	

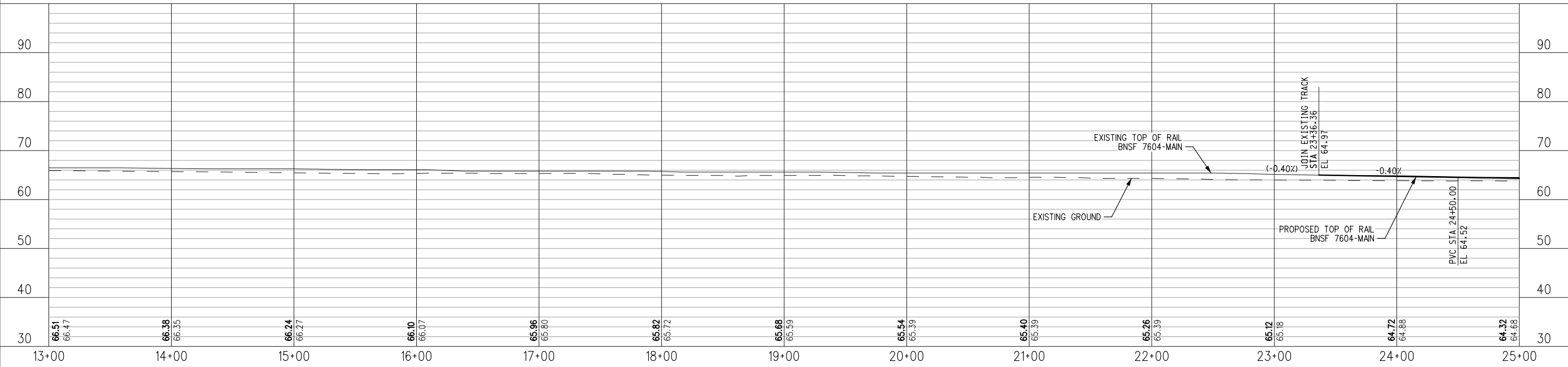
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TRACK LEGEND

	PROPOSED TANGENT TRACK		PROPOSED RETAINED FILL
	PROPOSED SPIRAL TRACK		PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED CURVE TRACK		PROPOSED MIXED USE PATH
	PROPOSED LIGHT RAIL TRACK		
	EXISTING FREIGHT TRACK		

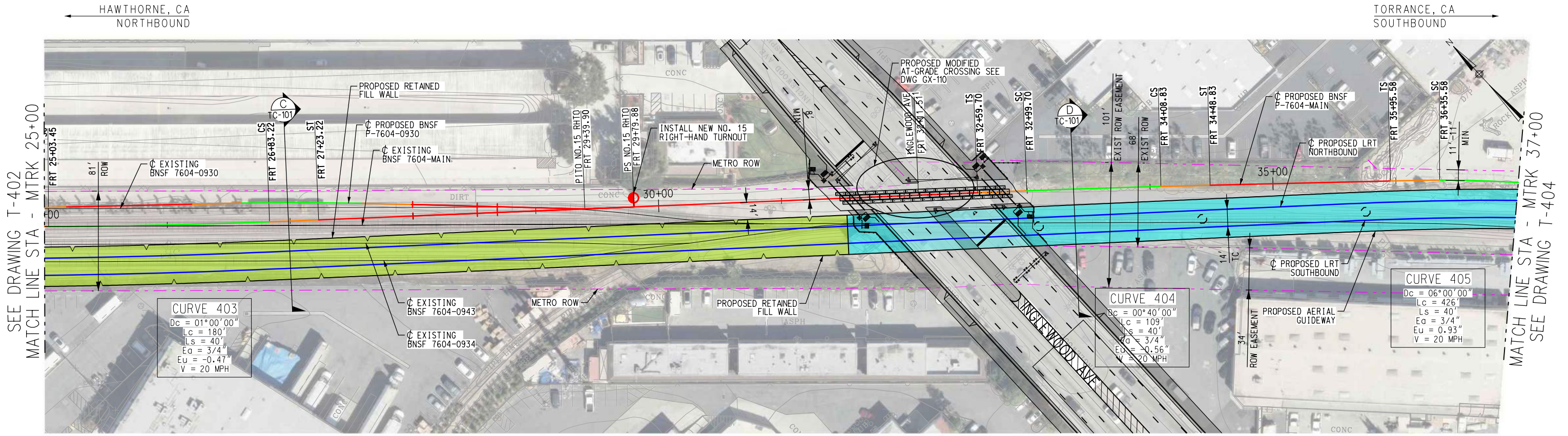
PLAN



PROFILE

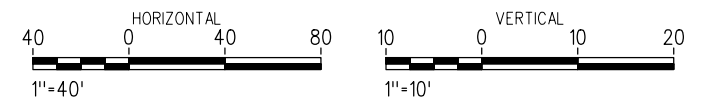
<p style="font-size: 2em; opacity: 0.5;">NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>		<p>DESIGNED BY: J. GONZALEZ DRAWN BY: O. PLASCENCIA CHECKED BY: G. THOMPSON APPROVED BY: A. SOKOL DATE: 7/22/2022</p>		 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY		<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROP PROJECT-FREIGHT TRACK PLAN&PROFILE MTRK 13+00 TO MTRK 25+00 SHEET 2 OF 21</p>		<p>CONTRACT NO. AE63445001 DRAWING NO. T-402 REVISION SHEET NO. SCALE AS SHOWN</p>	
		<p>REVISION SHEET NO.</p>		<p>DATE</p>		<p>SUBMITTED: PROJECT MANAGER</p>		<p>APPROVED:</p>		<p>SCALE AS SHOWN</p>	

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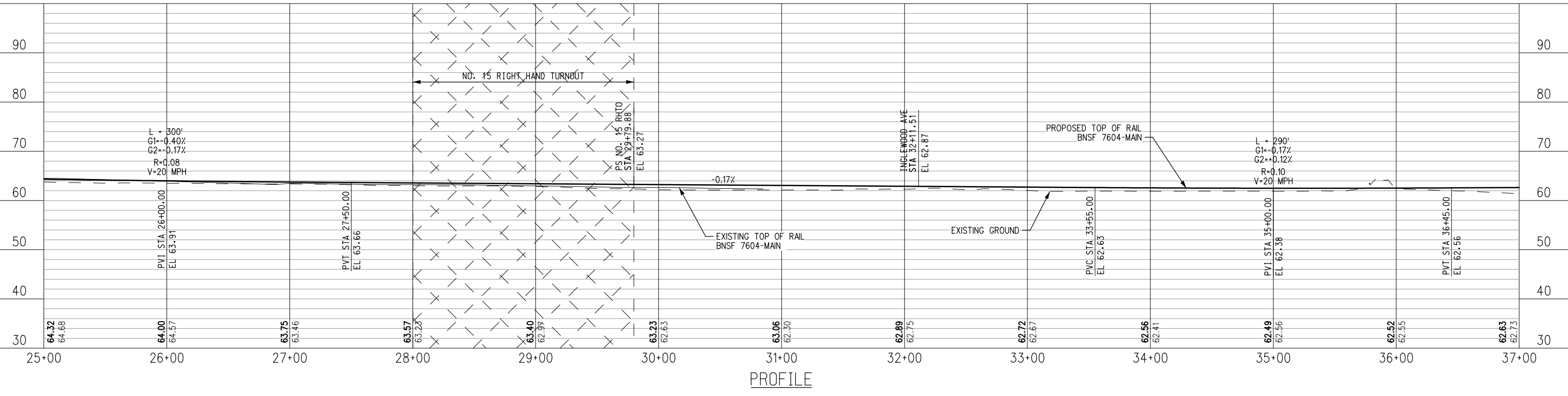


TRACK LEGEND

	PROPOSED TANGENT TRACK		PROPOSED RETAINED FILL
	PROPOSED SPIRAL TRACK		PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED CURVE TRACK		PROPOSED MIXED USE PATH
	PROPOSED LIGHT RAIL TRACK		
	EXISTING FREIGHT TRACK		



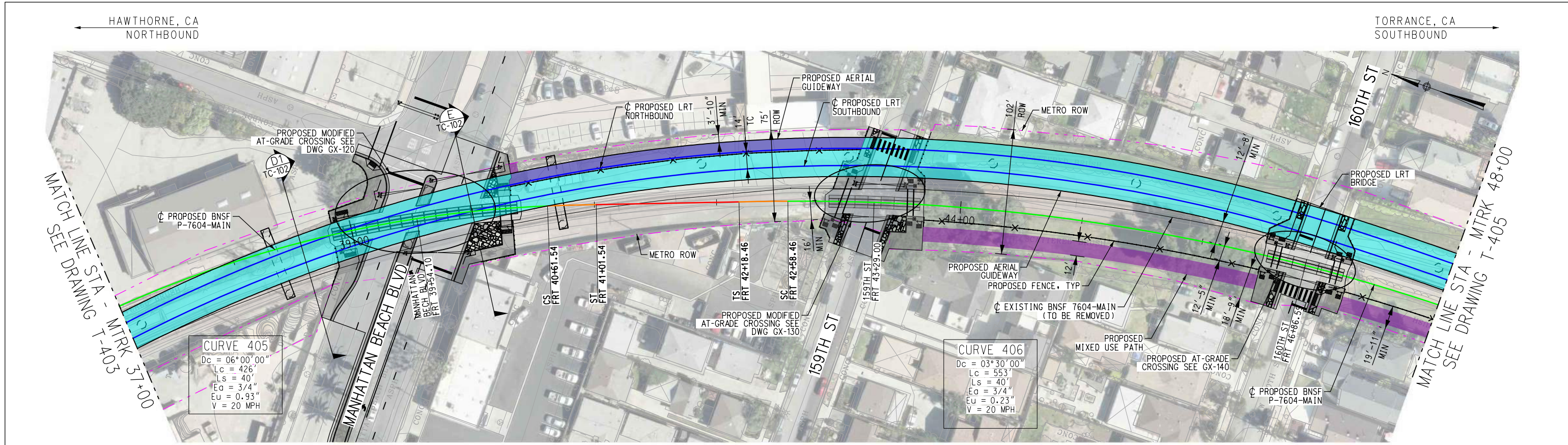
PLAN



PROFILE

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	DRAWN BY O. PLASCENCIA	CHECKED BY G. THOMPSON			DRAWING NO. T-403		
REV. DATE	BY SUB. APP.	APPROVED BY A. SOKOL	DATE 7/22/2022	SUBMITTED: _____ PROJECT MANAGER	APPROVED: _____	REVISION SHEET NO.	SCALE AS SHOWN

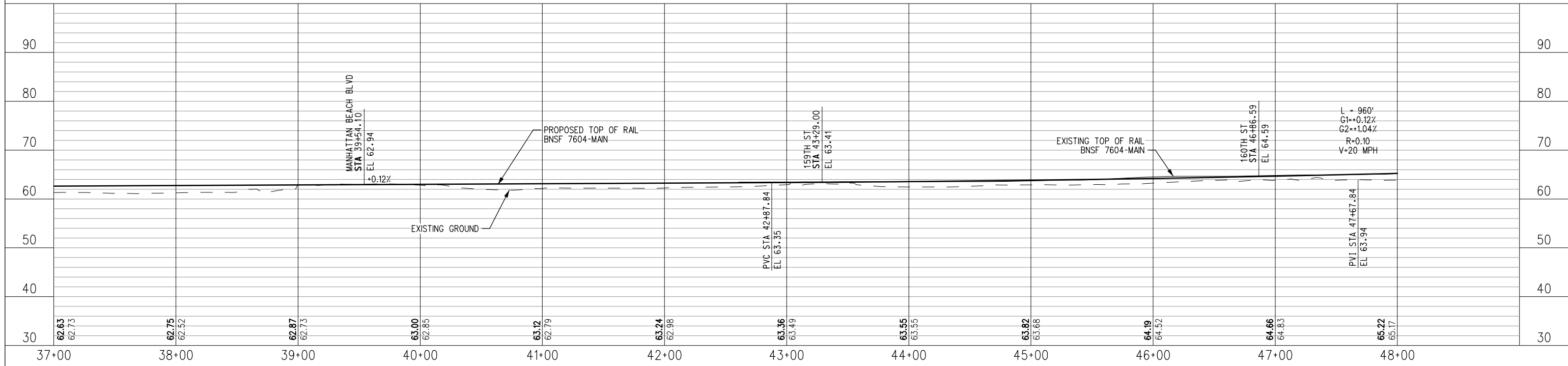
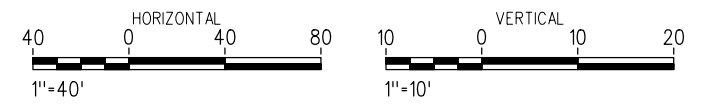
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TRACK LEGEND

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED LIGHT RAIL TRACK
- EXISTING FREIGHT TRACK
- PROPOSED RETAINED FILL
- PROPOSED ELEVATED GUIDEWAY OR BRIDGE
- PROPOSED MIXED USE PATH

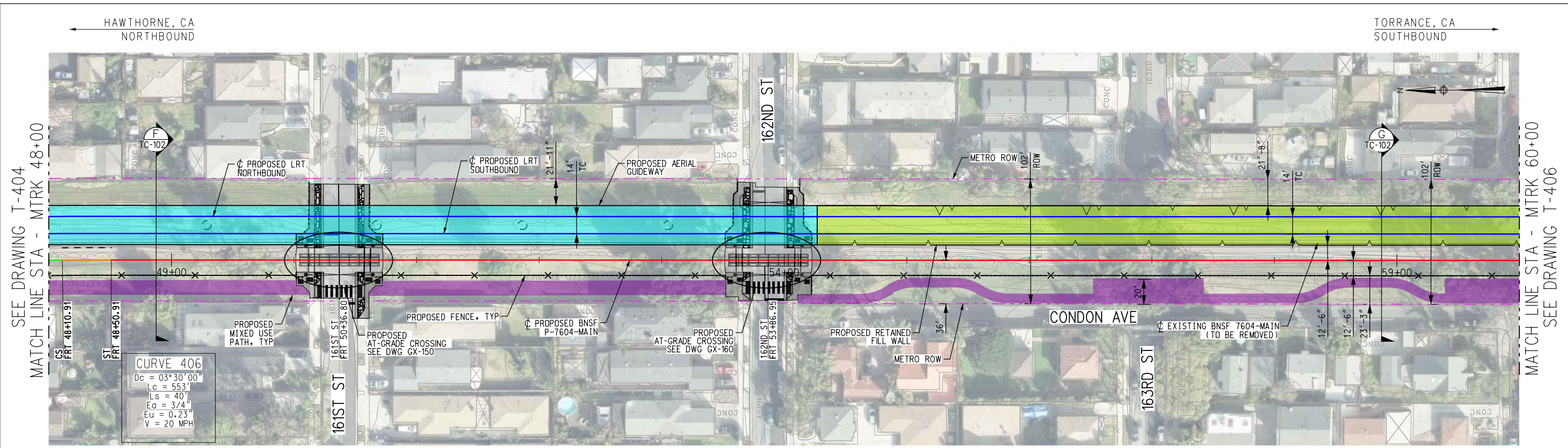
PLAN



PROFILE

<p style="font-size: 2em; opacity: 0.5;">NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>		<p>DESIGNED BY: J. GONZALEZ DRAWN BY: O. PLASCENCIA CHECKED BY: G. THOMPSON APPROVED BY: A. SOKOL DATE: 7/22/2022</p>		<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>		<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROP PROJECT-FREIGHT TRACK PLAN&PROFILE MTRK 37+00 TO MTRK 48+00 SHEET 4 OF 21</p>		<p>CONTRACT NO. AE63445001 DRAWING NO. T-404 REVISION SHEET NO. SCALE AS SHOWN</p>	
		<p>REVISION SHEET NO.</p>		<p>DATE</p>		<p>SUBMITTED: PROJECT MANAGER</p>		<p>APPROVED:</p>		<p>SCALE AS SHOWN</p>	

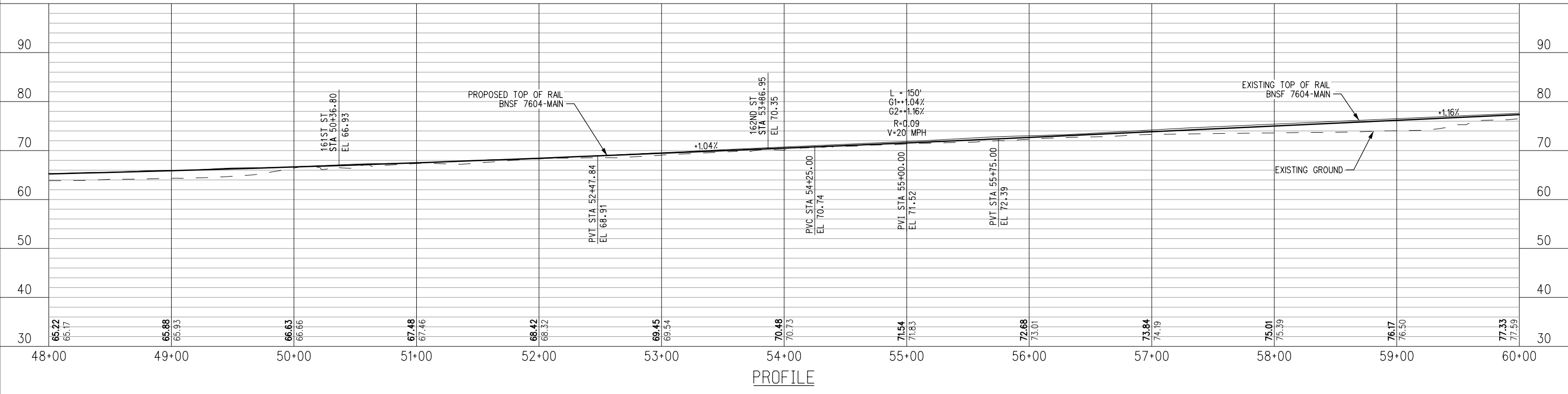
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TRACK LEGEND

	PROPOSED TANGENT TRACK		PROPOSED RETAINED FILL
	PROPOSED SPIRAL TRACK		PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED CURVE TRACK		PROPOSED MIXED USE PATH
	PROPOSED LIGHT RAIL TRACK		
	EXISTING FREIGHT TRACK		

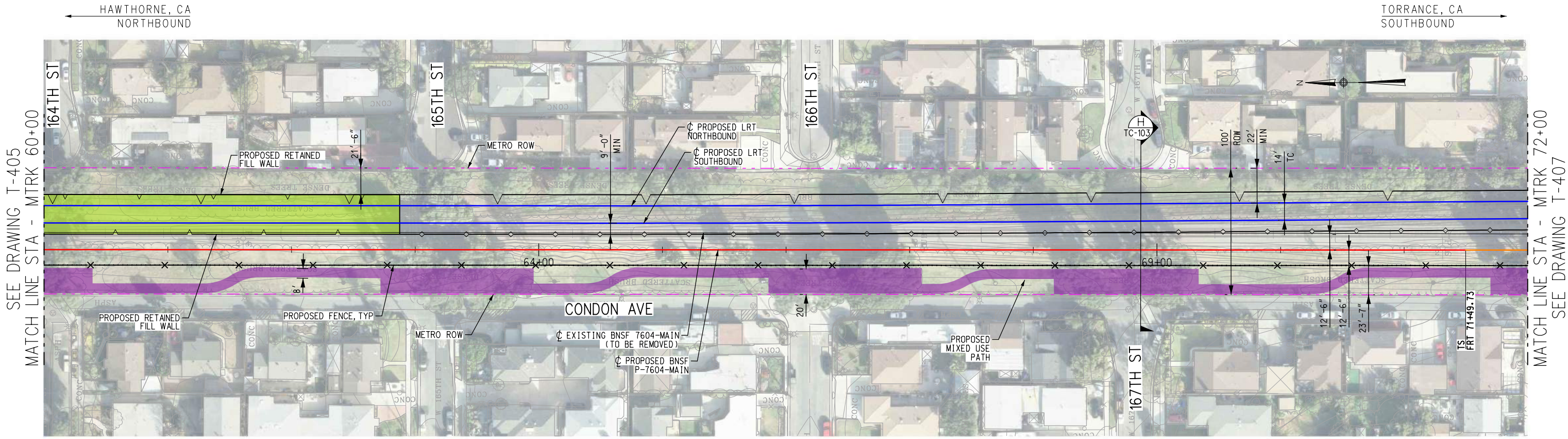
PLAN



PROFILE

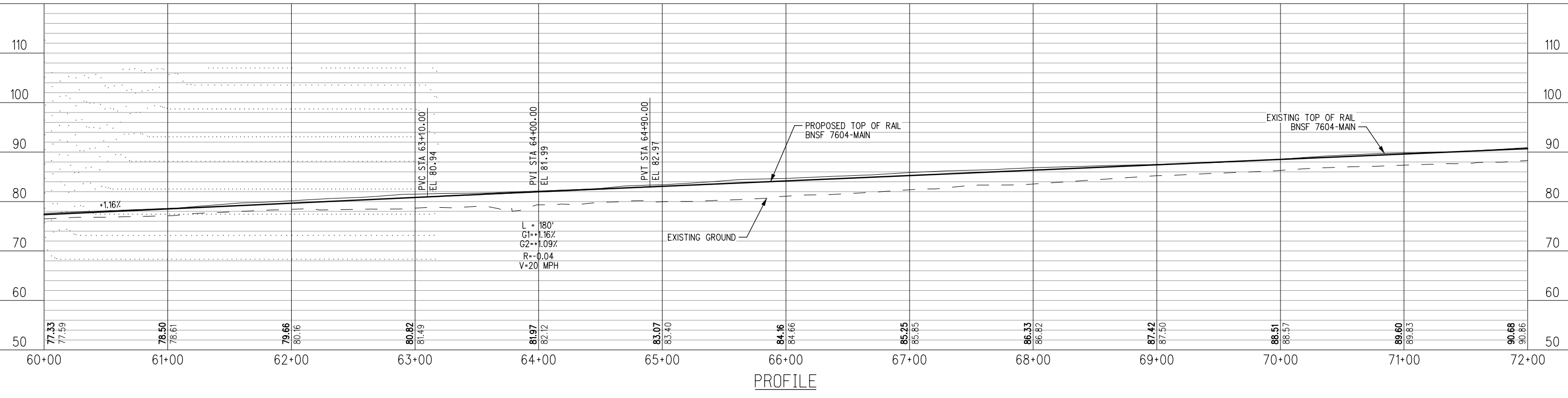
<p>NOT FOR CONSTRUCTION</p>	<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>	<p>DESIGNED BY: J. GONZALEZ DRAWN BY: O. PLASCENCIA CHECKED BY: G. THOMPSON APPROVED BY: A. SOKOL DATE: 7/22/2022</p>	<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p> <p>Metro</p>	<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROP PROJECT-FREIGHT TRACK PLAN&PROFILE MTRK 48+00 TO MTRK 60+00 SHEET 5 OF 21</p>	<p>CONTRACT NO. AE63445001 DRAWING NO. T-405 REVISION SHEET NO. SCALE AS SHOWN</p>
	<p>REVISION SHEET NO.</p>	<p>DATE</p>	<p>DATE</p>	<p>SUBMITTED: PROJECT MANAGER</p>	<p>APPROVED:</p>

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- TRACK LEGEND**
- PROPOSED TANGENT TRACK
 - PROPOSED SPIRAL TRACK
 - PROPOSED CURVE TRACK
 - PROPOSED LIGHT RAIL TRACK
 - EXISTING FREIGHT TRACK
 - PROPOSED RETAINED FILL
 - PROPOSED ELEVATED GUIDEWAY OR BRIDGE
 - PROPOSED MIXED USE PATH

PLAN



PROFILE

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NOT FOR CONSTRUCTION

INFORMATION CONFIDENTIAL:
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DESIGNED BY: J. GONZALEZ
DRAWN BY: O. PLASCENCIA
CHECKED BY: G. THOMPSON
APPROVED BY: A. SOKOL
DATE: 7/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

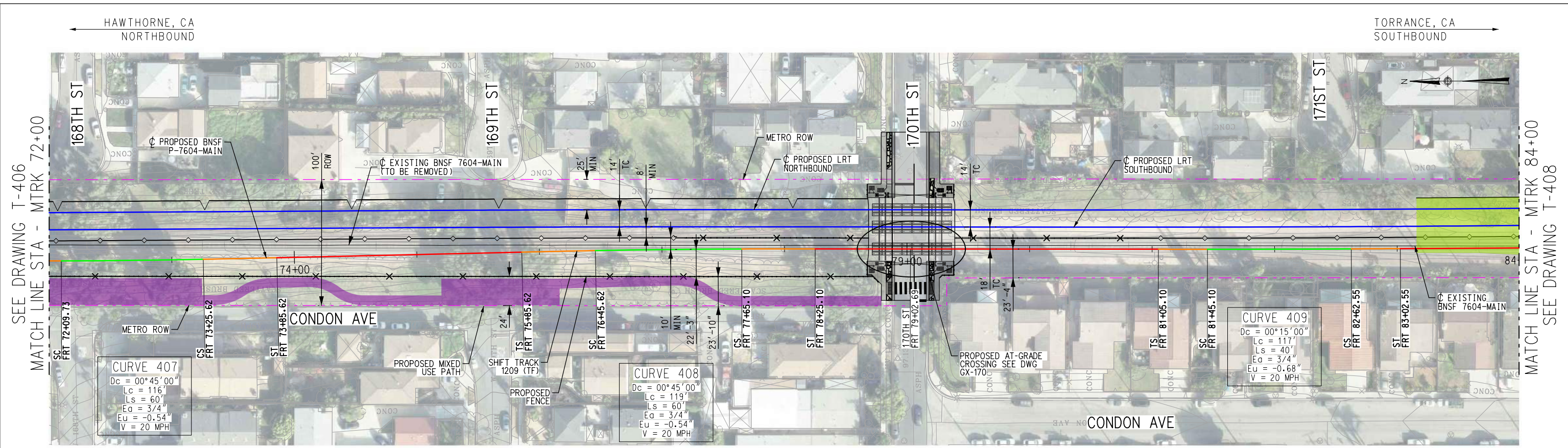
SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

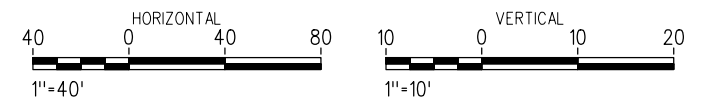
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROP PROJECT-FREIGHT TRACK PLAN&PROFILE
MTRK 60+00 TO MTRK 72+00
SHEET 6 OF 21

CONTRACT NO. AE63445001
DRAWING NO. T-406
REVISION SHEET NO.
SCALE AS SHOWN

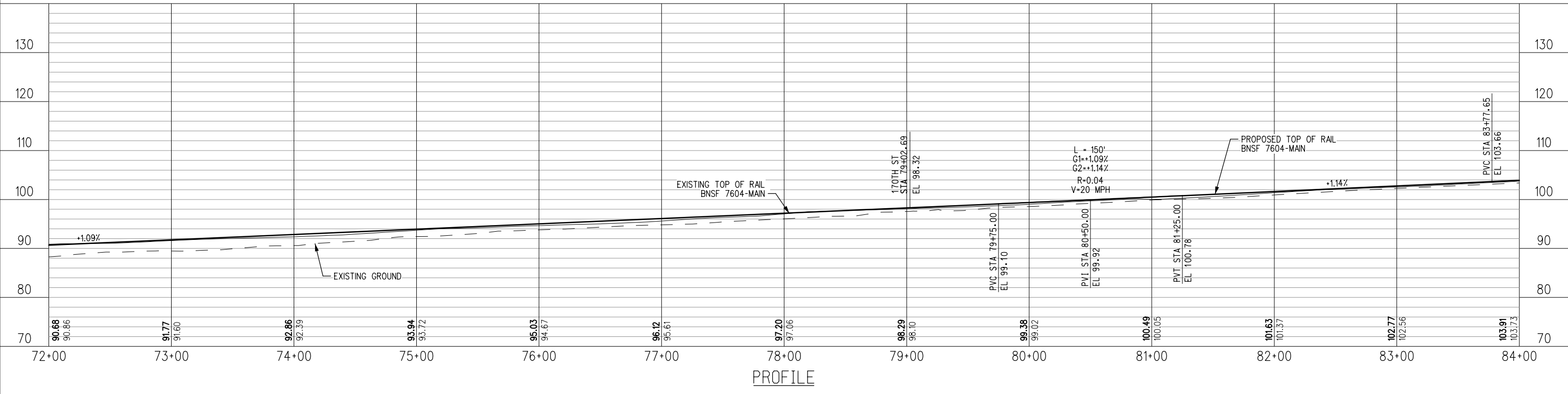
REV.	DATE	BY	SUB.	APP.



- TRACK LEGEND**
- PROPOSED TANGENT TRACK
 - PROPOSED SPIRAL TRACK
 - PROPOSED CURVE TRACK
 - PROPOSED LIGHT RAIL TRACK
 - EXISTING FREIGHT TRACK
 - PROPOSED RETAINED FILL
 - PROPOSED ELEVATED GUIDEWAY OR BRIDGE
 - PROPOSED MIXED USE PATH



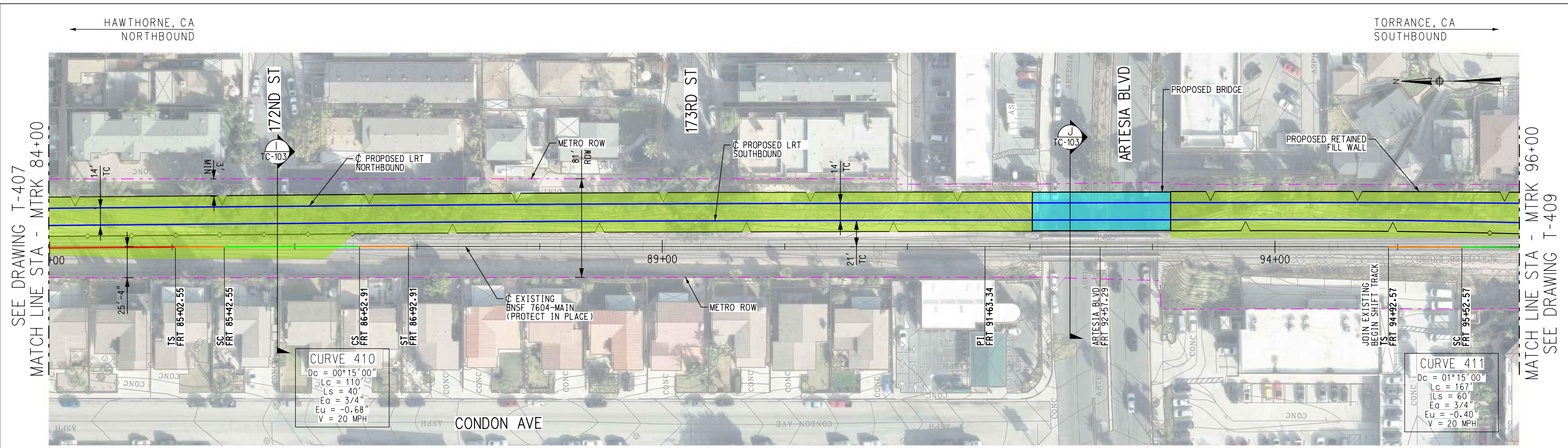
PLAN



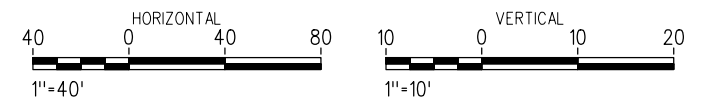
PROFILE

<p style="font-size: 2em; opacity: 0.5;">NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>		<p>DESIGNED BY: J. GONZALEZ DRAWN BY: O. PLASCENCIA CHECKED BY: G. THOMPSON APPROVED BY: A. SOKOL DATE: 7/22/2022</p>		<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>		<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROP PROJECT-FREIGHT TRACK PLAN&PROFILE MTRK 72+00 TO MTRK 84+00 SHEET 7 OF 21</p>		<p>CONTRACT NO. AE63445001 DRAWING NO. T-407 REVISION SHEET NO. SCALE AS SHOWN</p>	
		<p>BY: _____ SUB. APP. _____</p>		<p>SUBMITTED: _____ PROJECT MANAGER APPROVED: _____</p>		<p>STV 100 Years</p>		<p>AS SHOWN</p>			

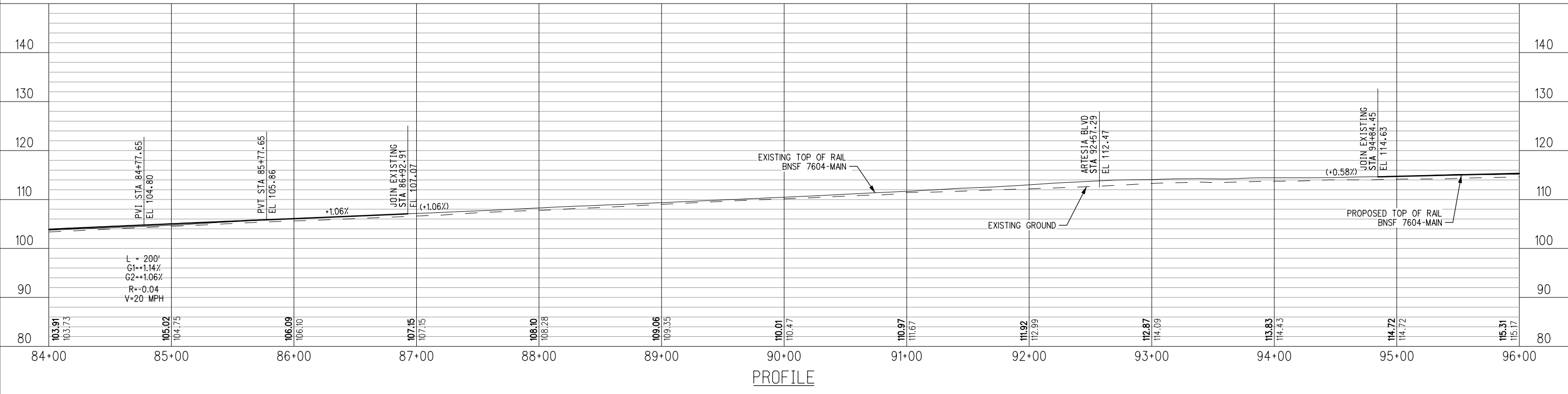
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- TRACK LEGEND**
- PROPOSED TANGENT TRACK
 - PROPOSED SPIRAL TRACK
 - PROPOSED CURVE TRACK
 - PROPOSED LIGHT RAIL TRACK
 - EXISTING FREIGHT TRACK
 - PROPOSED RETAINED FILL
 - PROPOSED ELEVATED GUIDEWAY OR BRIDGE
 - PROPOSED MIXED USE PATH



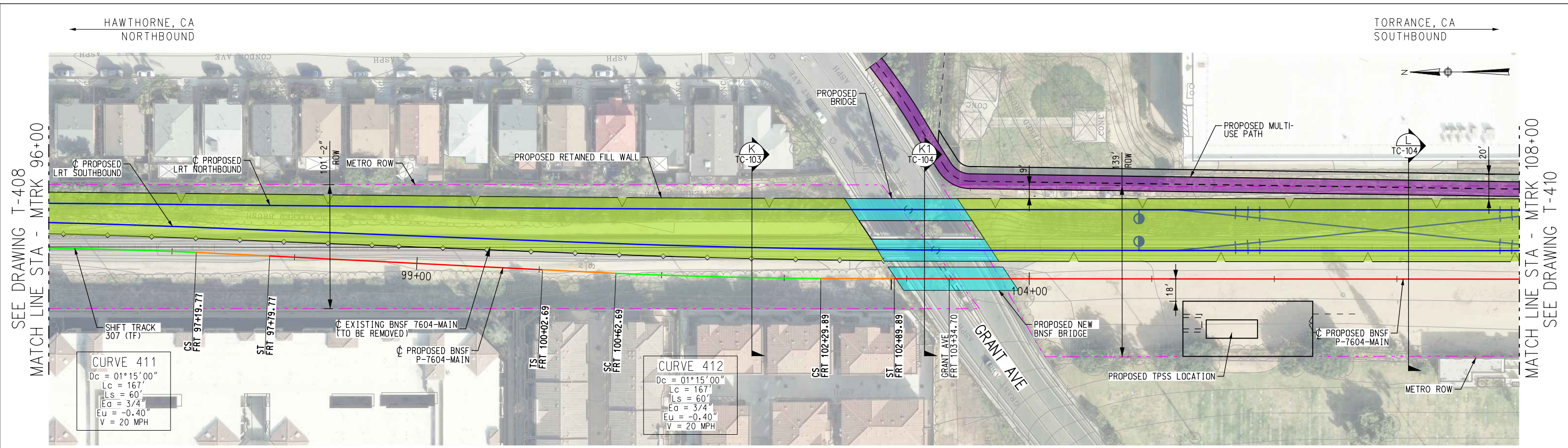
PLAN



PROFILE

<p style="font-size: 2em; opacity: 0.5;">NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>		<p>DESIGNED BY: J. GONZALEZ DRAWN BY: O. PLASCENCIA CHECKED BY: G. THOMPSON APPROVED BY: A. SOKOL DATE: 7/22/2022</p>		<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>		<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROP PROJECT-FREIGHT TRACK PLAN&PROFILE MTRK 84+00 TO MTRK 96+00 SHEET 8 OF 21</p>		<p>CONTRACT NO. AE63445001 DRAWING NO. T-408 REVISION SHEET NO. SCALE AS SHOWN</p>	
		<p>STV 100 Years</p>		<p>SUBMITTED: _____ PROJECT MANAGER APPROVED: _____</p>		<p>REV. DATE BY SUB. APP.</p>					

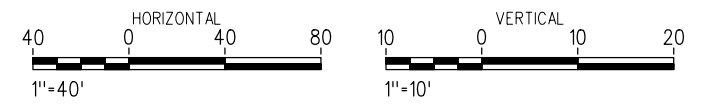
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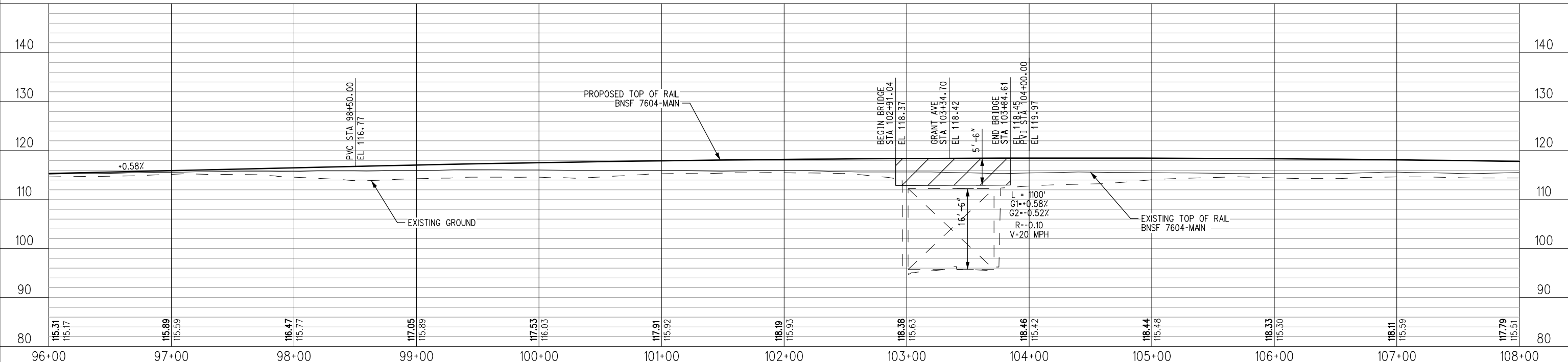
CURVE 411
 $D_c = 01^{\circ}15'00''$
 $L_c = 167'$
 $L_s = 60'$
 $E_a = 3/4''$
 $E_u = -0.40''$
 $V = 20$ MPH

CURVE 412
 $D_c = 01^{\circ}15'00''$
 $L_c = 167'$
 $L_s = 60'$
 $E_a = 3/4''$
 $E_u = -0.40''$
 $V = 20$ MPH

- TRACK LEGEND**
- PROPOSED TANGENT TRACK
 - PROPOSED SPIRAL TRACK
 - PROPOSED CURVE TRACK
 - PROPOSED LIGHT RAIL TRACK
 - EXISTING FREIGHT TRACK
 - PROPOSED RETAINED FILL
 - PROPOSED ELEVATED GUIDEWAY OR BRIDGE
 - PROPOSED MULTI-USE PATH (W/PED LIGHTING)



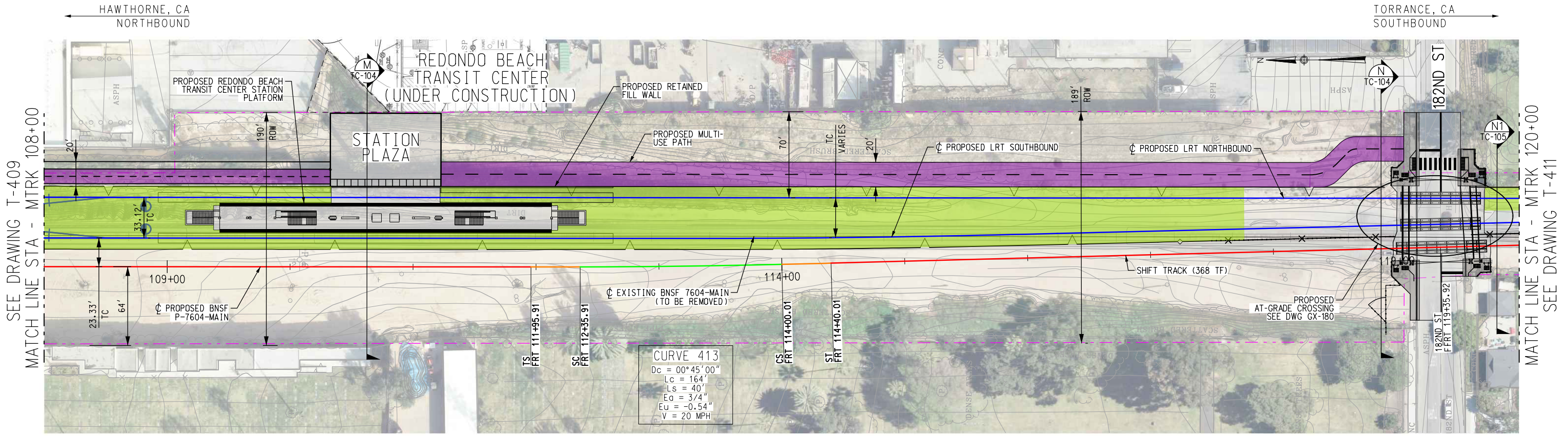
PLAN



PROFILE

<p>NOT FOR CONSTRUCTION</p>	<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>		<p>DESIGNED BY J. GONZALEZ</p>	<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>	<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROP PROJECT-FREIGHT TRACK PLAN&PROFILE MTRK 96+00 TO MTRK 108+00 SHEET 9 OF 21</p>	<p>CONTRACT NO. AE63445001 DRAWING NO. T-409</p>
	<p>DRAWN BY O. PLASCENCIA</p>	<p>CHECKED BY G. THOMPSON</p>	<p>APPROVED BY A. SOKOL</p>			<p>REVISION SHEET NO.</p>
<p>REV. DATE</p>	<p>BY SUB. APP.</p>	<p>DATE 12/9/2022</p>	<p>SUBMITTED: PROJECT MANAGER</p>	<p>APPROVED:</p>	<p>SCALE AS SHOWN</p>	<p>SCALE</p>

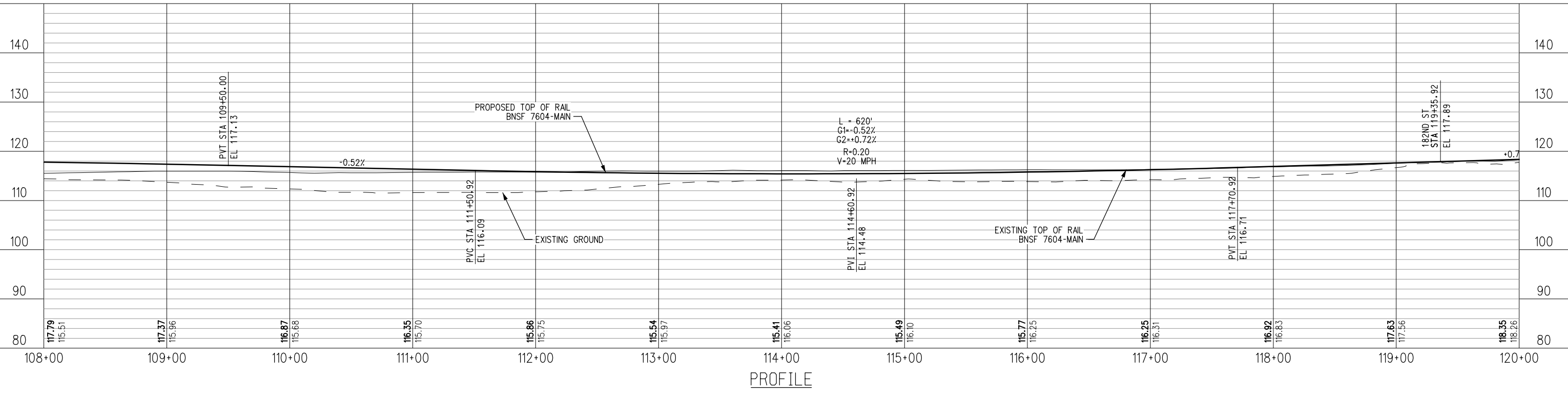
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TRACK LEGEND

	PROPOSED TANGENT TRACK		PROPOSED RETAINED FILL
	PROPOSED SPIRAL TRACK		PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED CURVE TRACK		PROPOSED MULTI-USE PATH (W/PED LIGHTING)
	PROPOSED LIGHT RAIL TRACK		
	EXISTING FREIGHT TRACK		

PLAN



PROFILE

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DESIGNED BY	J. GONZALEZ
DRAWN BY	O. PLASCENCIA
CHECKED BY	G. THOMPSON
APPROVED BY	A. SOKOL
DATE	12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

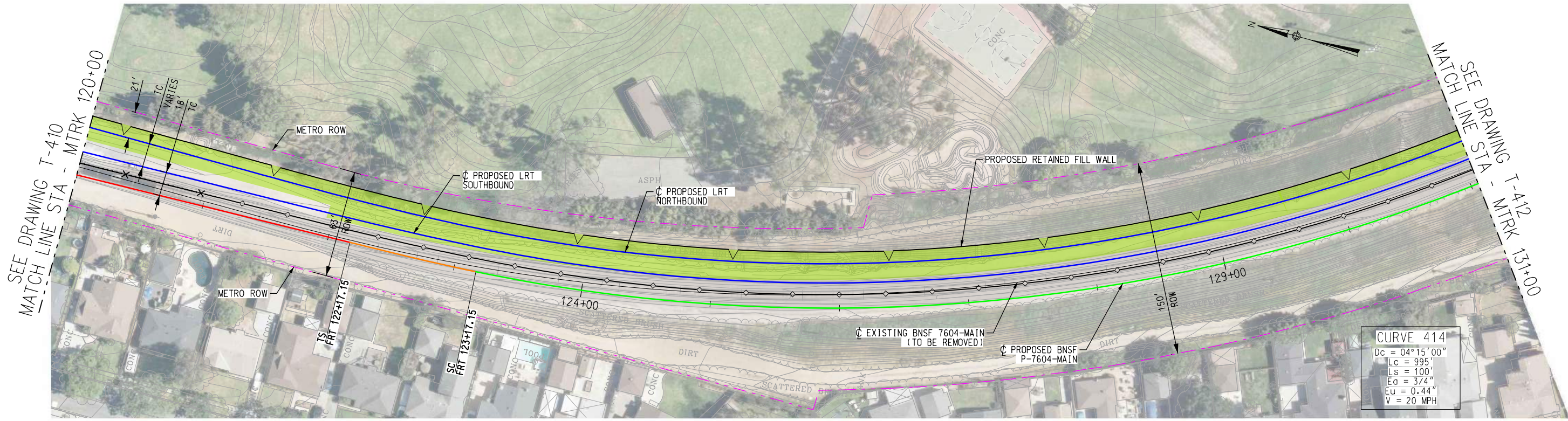
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 PROP PROJECT-FREIGHT TRACK PLAN&PROFILE
 MTRK 108+00 TO MTRK 120+00
 SHEET 10 OF 21

CONTRACT NO. AE63445001	
DRAWING NO. T-410	
REVISION	SHEET NO.
SCALE	AS SHOWN

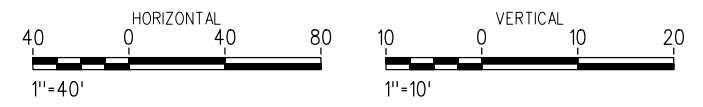
HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND

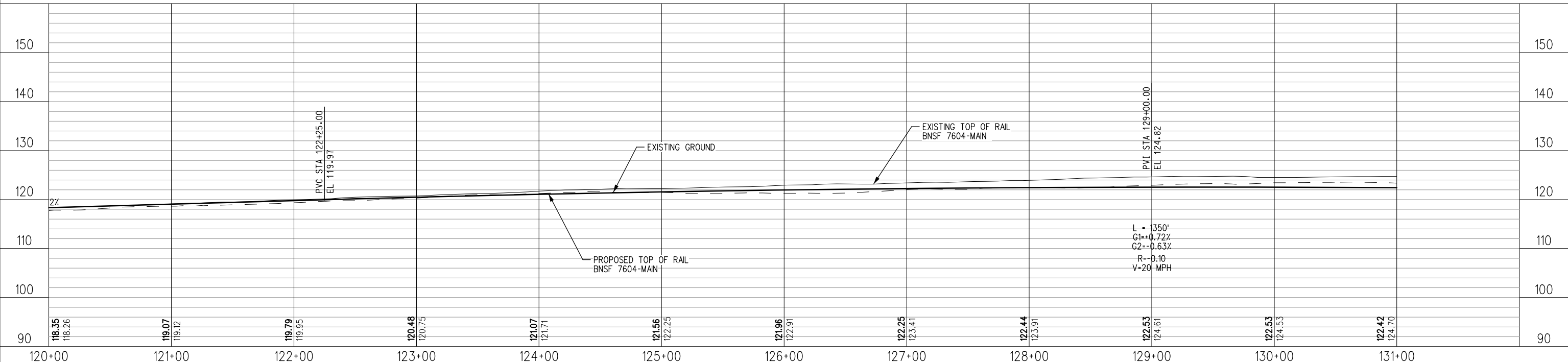


CURVE 414	
Dc	= 04° 15' 00"
Lc	= 995'
Ls	= 100'
Ea	= 3/4"
Eu	= 0.44"
V	= 20 MPH

TRACK LEGEND	
	PROPOSED TANGENT TRACK
	PROPOSED SPIRAL TRACK
	PROPOSED CURVE TRACK
	PROPOSED LIGHT RAIL TRACK
	EXISTING FREIGHT TRACK
	PROPOSED RETAINED FILL
	PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED MIXED USE PATH



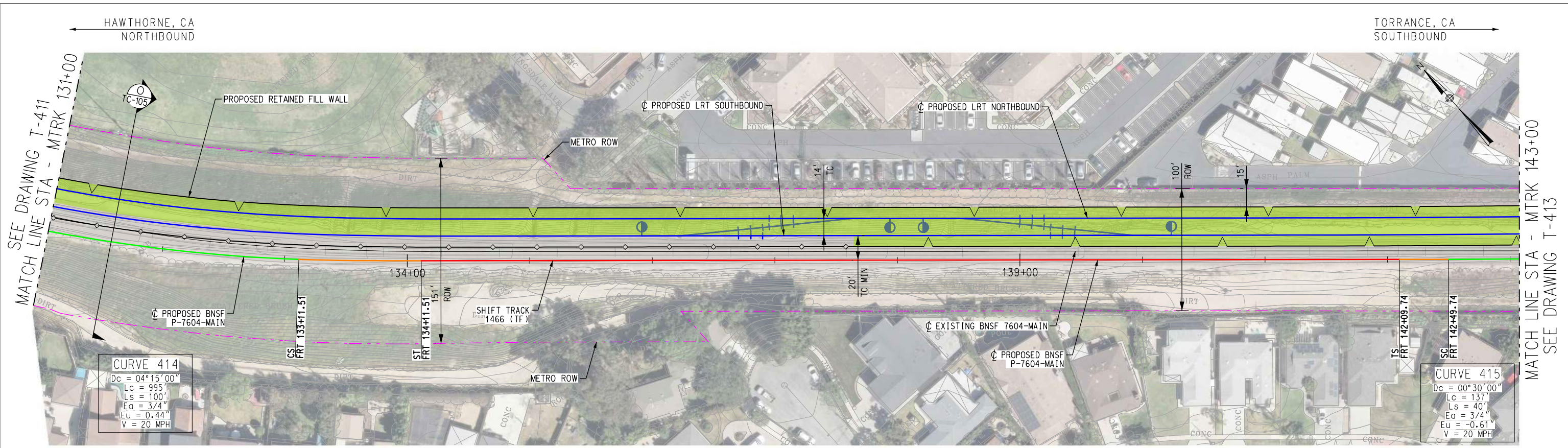
PLAN



PROFILE

<p>NOT FOR CONSTRUCTION</p>	<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>	<p>DESIGNED BY: J. GONZALEZ DRAWN BY: O. PLASCENCIA CHECKED BY: G. THOMPSON APPROVED BY: A. SOKOL DATE: 7/22/2022</p>	<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p> <p>Metro</p> <p>STV 100 Years</p>	<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROP PROJECT-FREIGHT TRACK PLAN&PROFILE MTRK 120+00 TO MTRK 131+00 SHEET 11 OF 21</p>	<p>CONTRACT NO. AE63445001 DRAWING NO. T-411 REVISION SHEET NO. SCALE AS SHOWN</p>
	<p>REV. DATE</p>	<p>BY SUB. APP.</p>	<p>SUBMITTED: PROJECT MANAGER</p>	<p>APPROVED:</p>	

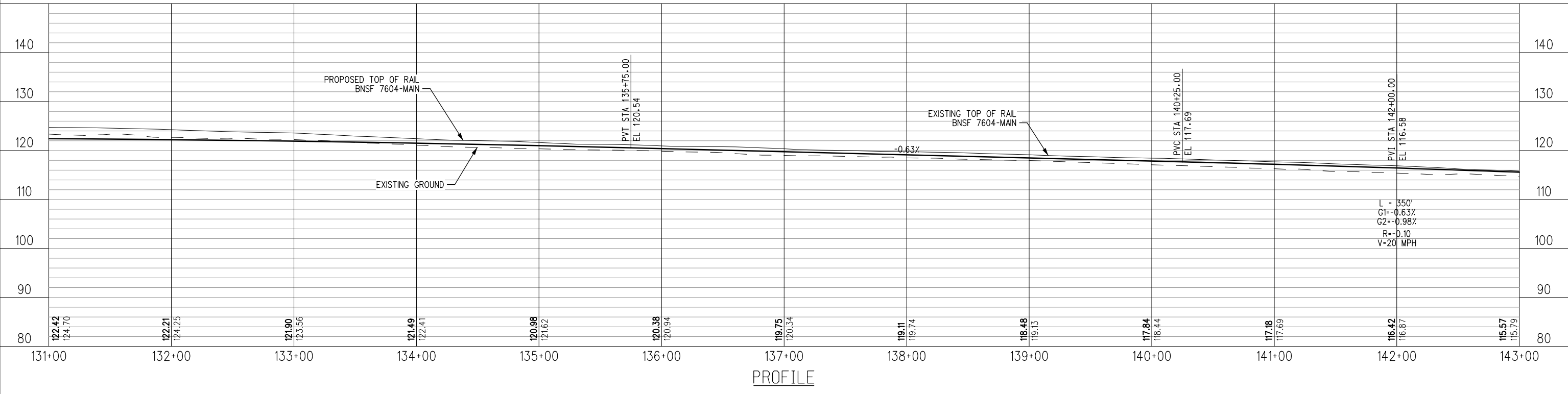
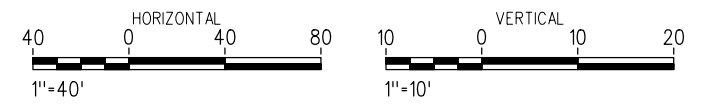
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TRACK LEGEND

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED LIGHT RAIL TRACK
- EXISTING FREIGHT TRACK
- PROPOSED RETAINED FILL
- PROPOSED ELEVATED GUIDEWAY OR BRIDGE
- PROPOSED MIXED USE PATH

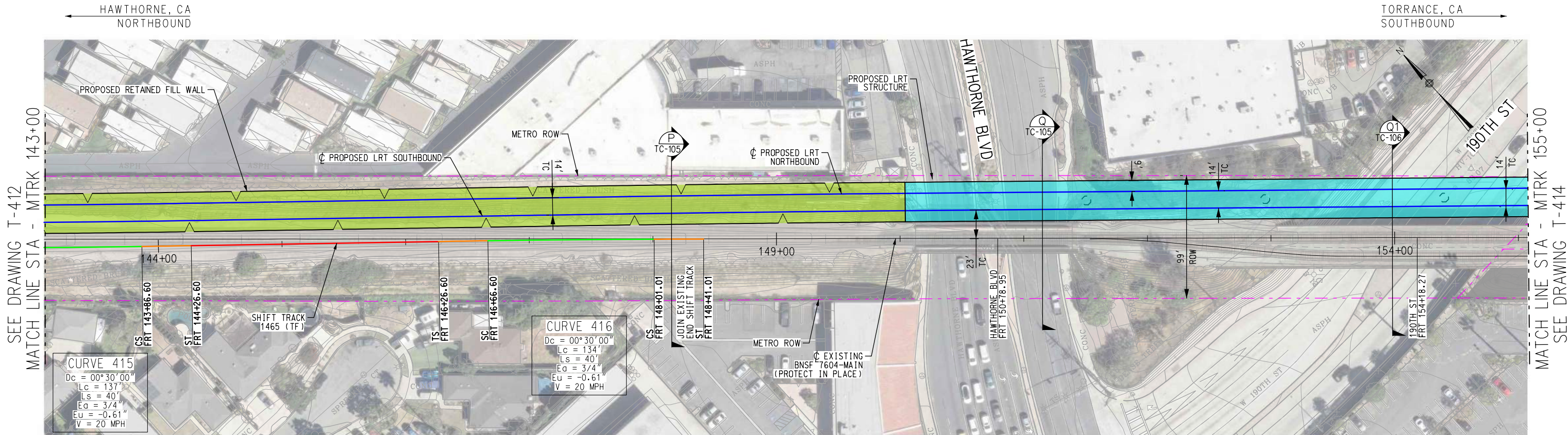
PLAN



PROFILE

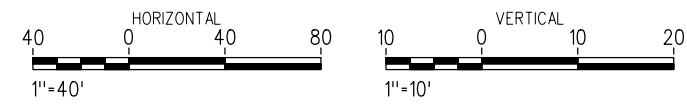
<p style="font-size: 2em; opacity: 0.5;">NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>		<p>DESIGNED BY: J. GONZALEZ DRAWN BY: O. PLASCENCIA CHECKED BY: G. THOMPSON APPROVED BY: A. SOKOL DATE: 7/22/2022</p>		<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>		<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROP PROJECT-FREIGHT TRACK PLAN&PROFILE MTRK 131+00 TO MTRK 143+00 SHEET 12 OF 21</p>		<p>CONTRACT NO. AE63445001 DRAWING NO. T-412 REVISION SHEET NO. SCALE AS SHOWN</p>	
		<p>REVISION SHEET NO.</p>		<p>DATE</p>		<p>SUBMITTED: PROJECT MANAGER</p>		<p>APPROVED:</p>		<p>SCALE AS SHOWN</p>	

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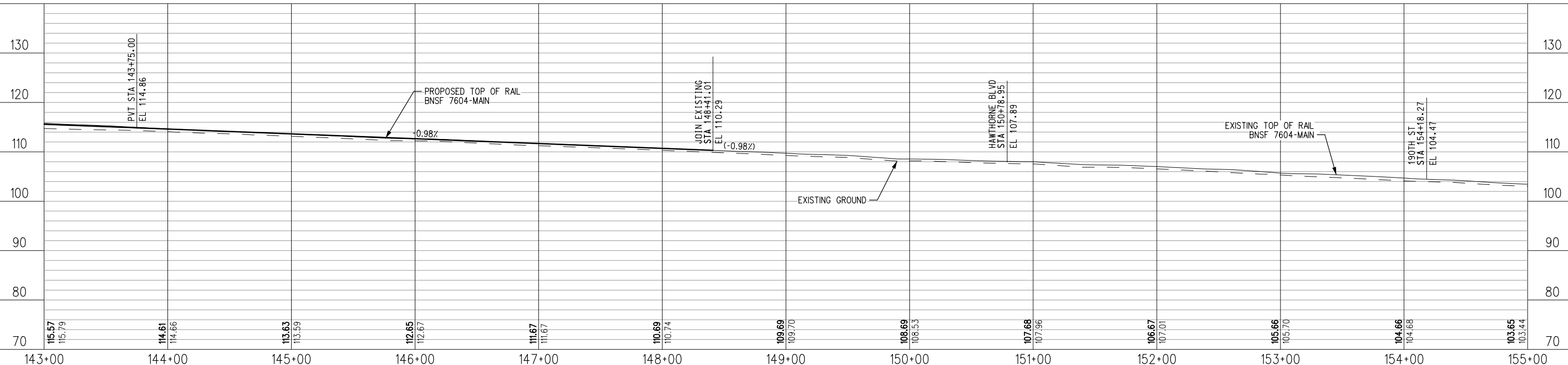


TRACK LEGEND

	PROPOSED TANGENT TRACK		PROPOSED RETAINED FILL
	PROPOSED SPIRAL TRACK		PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED CURVE TRACK		PROPOSED MIXED USE PATH
	PROPOSED LIGHT RAIL TRACK		
	EXISTING FREIGHT TRACK		



PLAN



PROFILE

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NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

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DESIGNED BY: J. GONZALEZ
 DRAWN BY: O. PLASCENCIA
 CHECKED BY: G. THOMPSON
 APPROVED BY: A. SOKOL
 DATE: 7/22/2022

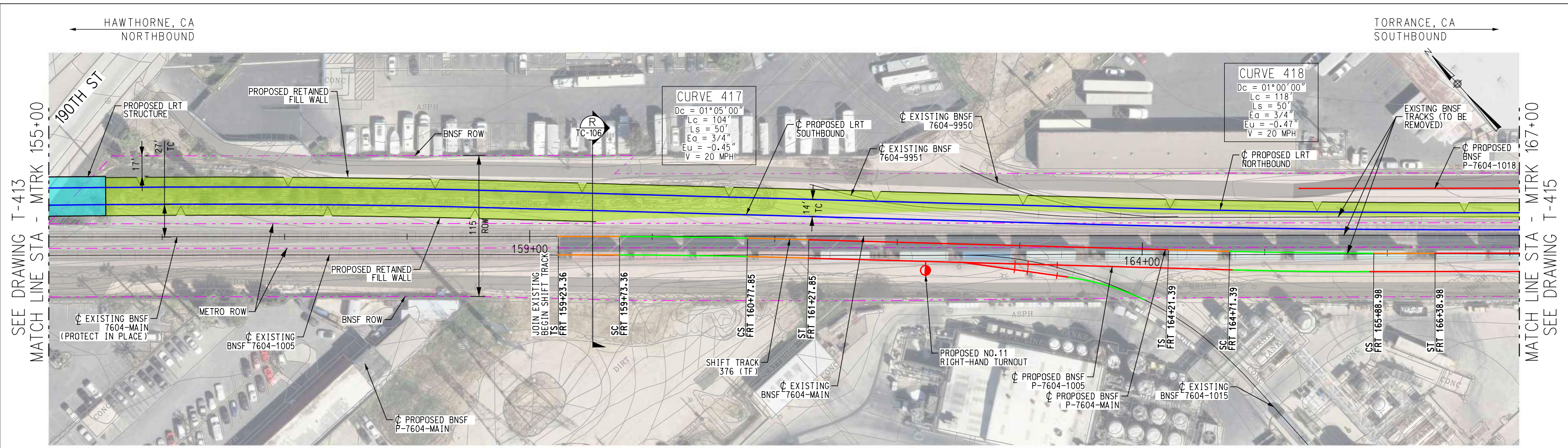
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

STV 100 Years

SUBMITTED: _____ PROJECT MANAGER
 APPROVED: _____

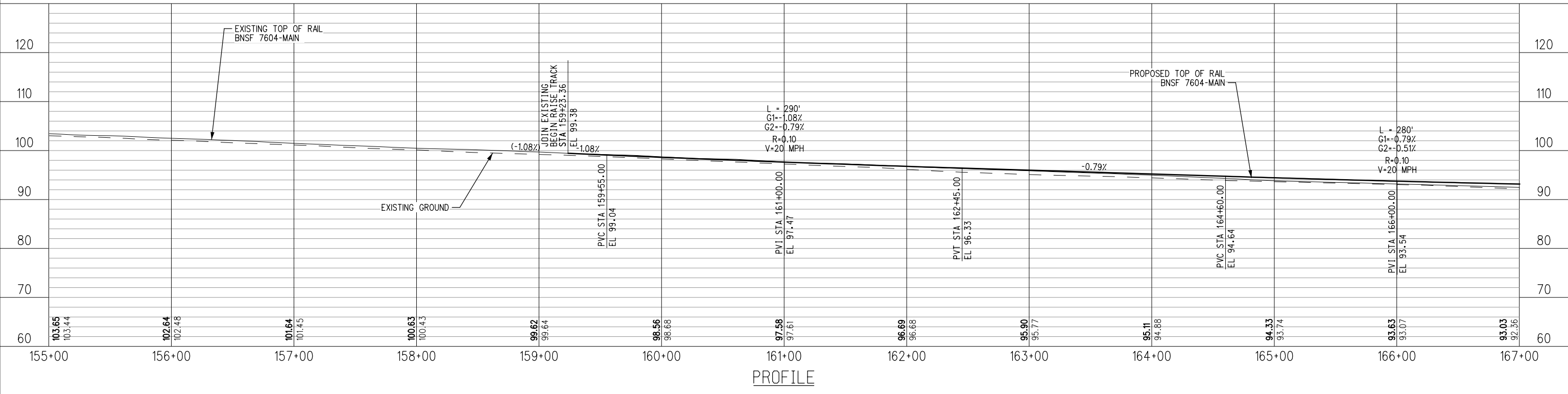
METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 PROP PROJECT-FREIGHT TRACK PLAN&PROFILE
 MTRK 143+00 TO MTRK 155+00
 SHEET 13 OF 21

CONTRACT NO. AE63445001
 DRAWING NO. T-413
 REVISION SHEET NO.
 SCALE AS SHOWN



- TRACK LEGEND**
- PROPOSED TANGENT TRACK
 - PROPOSED SPIRAL TRACK
 - PROPOSED CURVE TRACK
 - PROPOSED LIGHT RAIL TRACK
 - EXISTING FREIGHT TRACK
 - PROPOSED RETAINED FILL
 - PROPOSED ELEVATED GUIDEWAY OR BRIDGE
 - PROPOSED MIXED USE PATH

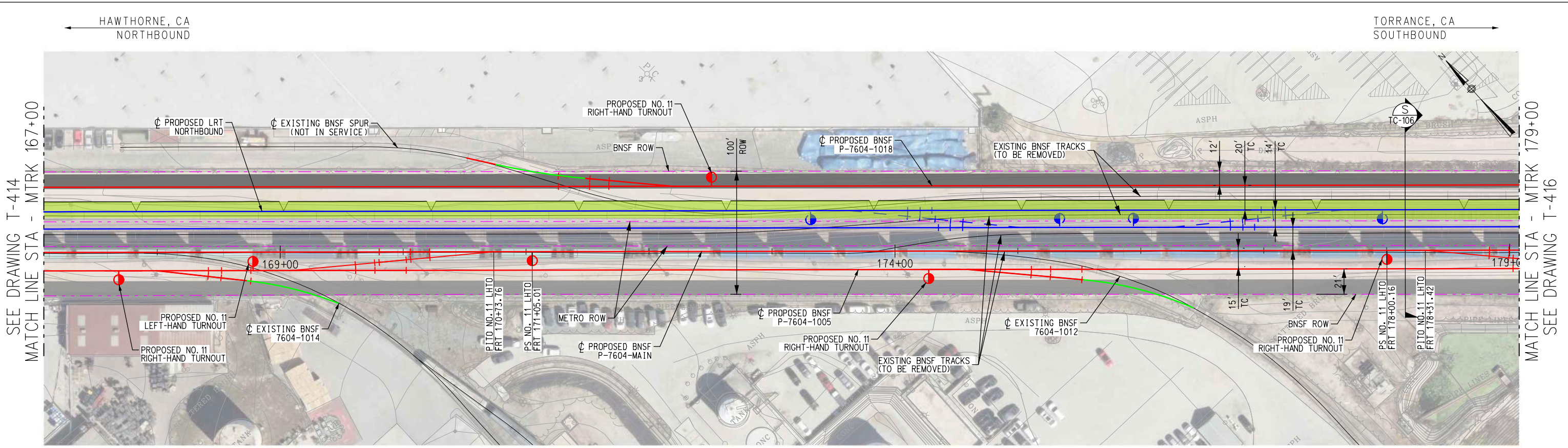
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PROFILE

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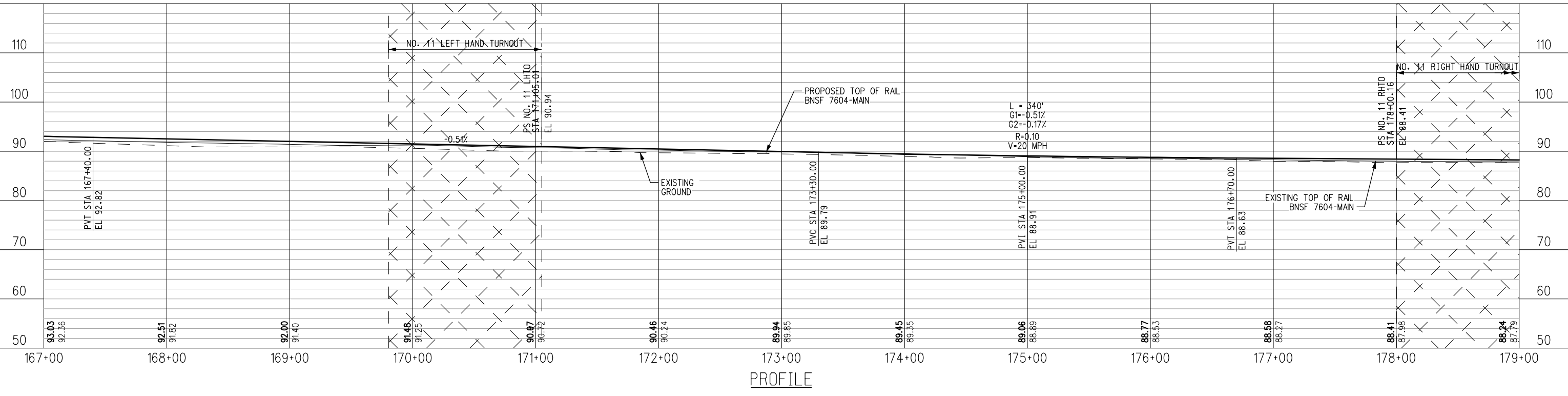
NOT FOR CONSTRUCTION		INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.		DESIGNED BY J. GONZALEZ DRAWN BY O. PLASCENCIA CHECKED BY G. THOMPSON APPROVED BY A. SOKOL DATE 7/22/2022		 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY		METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROP PROJECT-FREIGHT TRACK PLAN&PROFILE MTRK 155+00 TO MTRK 167+00 SHEET 14 OF 21		CONTRACT NO. AE63445001 DRAWING NO. T-414 REVISION SHEET NO. SCALE AS SHOWN	
		SUBMITTED: _____ PROJECT MANAGER APPROVED: _____									



TRACK LEGEND

	PROPOSED TANGENT TRACK		PROPOSED RETAINED FILL
	PROPOSED SPIRAL TRACK		PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED CURVE TRACK		PROPOSED MIXED USE PATH
	PROPOSED LIGHT RAIL TRACK		
	EXISTING FREIGHT TRACK		

PLAN



PROFILE

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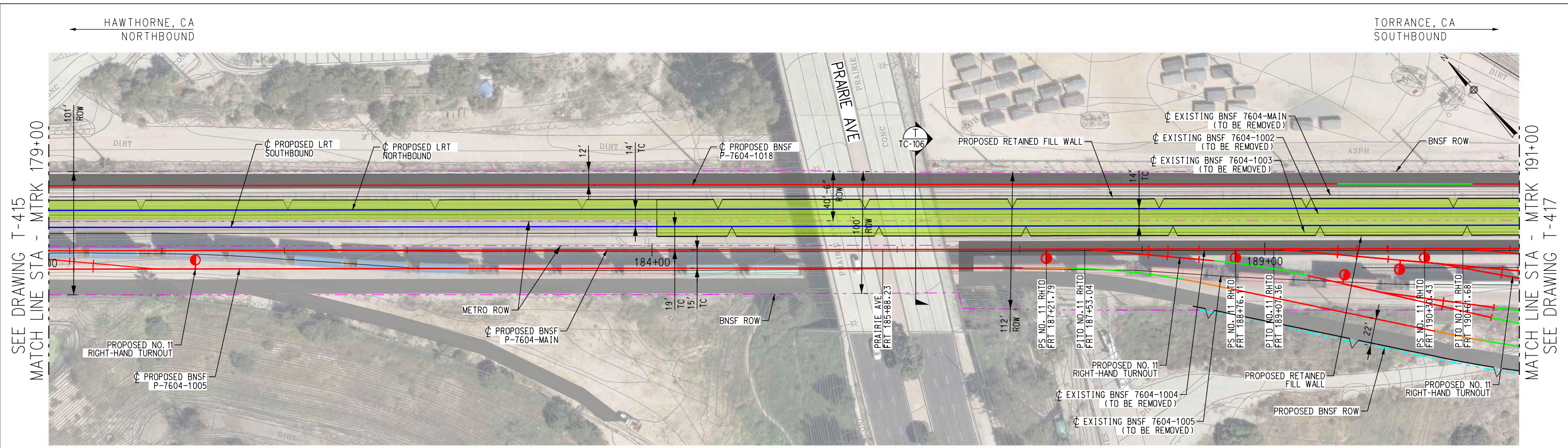
DESIGNED BY: J. GONZALEZ
DRAWN BY: O. PLASCENCIA
CHECKED BY: G. THOMPSON
APPROVED BY: A. SOKOL
DATE: 7/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 PROP PROJECT-FREIGHT TRACK PLAN&PROFILE
 MTRK 167+00 TO MTRK 179+00
 SHEET 15 OF 21

CONTRACT NO. AE63445001	
DRAWING NO. T-415	
REVISION	SHEET NO.
SCALE	AS SHOWN



TRACK LEGEND

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED LIGHT RAIL TRACK
- EXISTING FREIGHT TRACK
- PROPOSED RETAINED FILL
- PROPOSED ELEVATED GUIDEWAY OR BRIDGE
- PROPOSED MIXED USE PATH

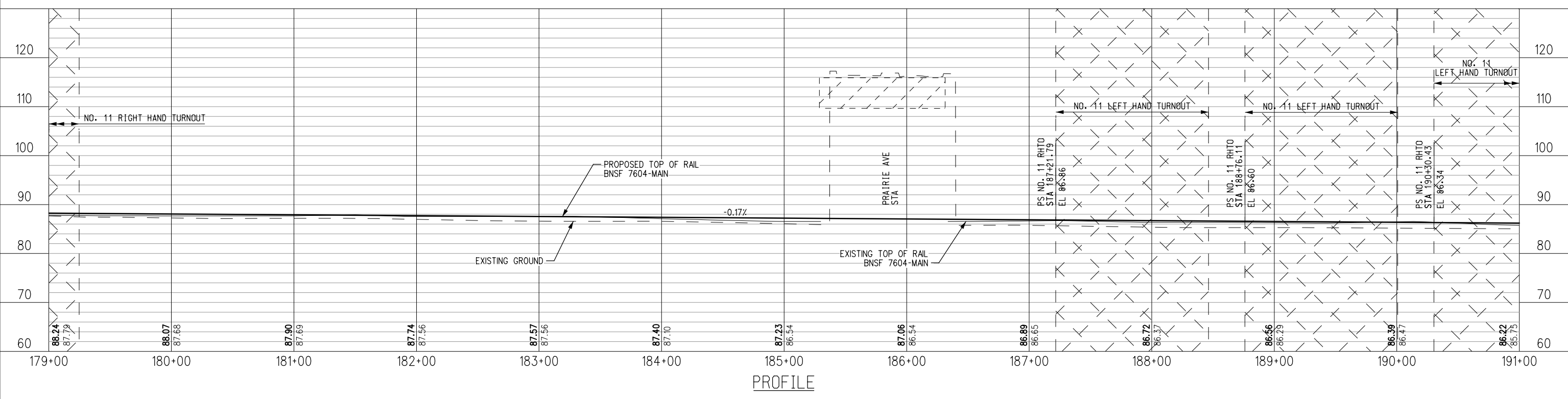
PLAN

HORIZONTAL

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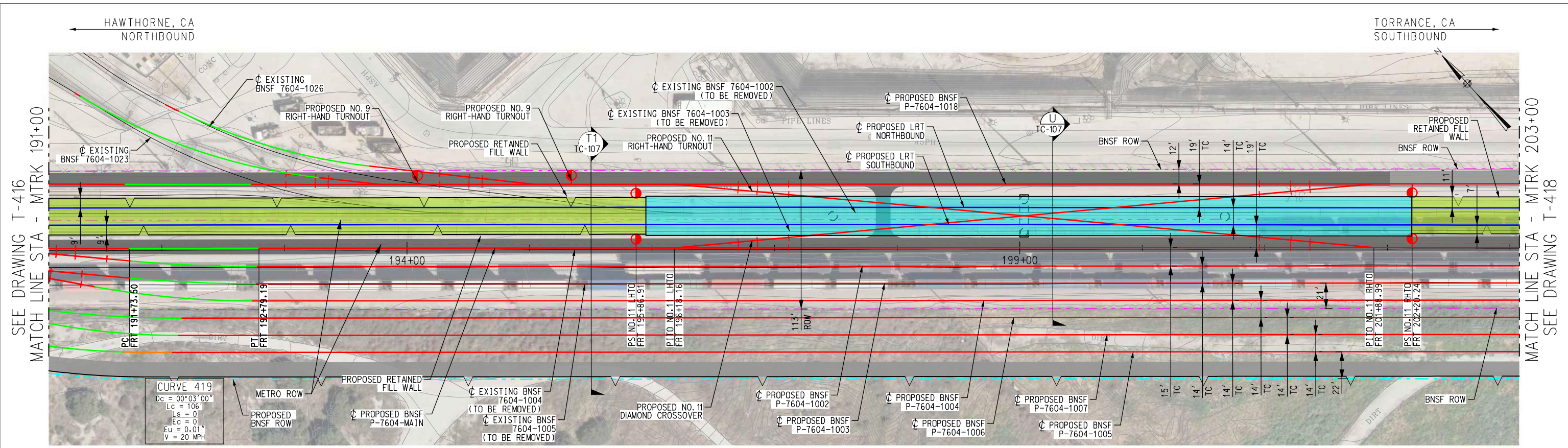
VERTICAL

1"=10'



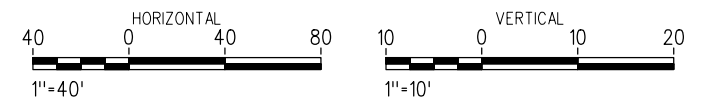
NOT FOR CONSTRUCTION		INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.		DESIGNED BY J. GONZALEZ DRAWN BY O. PLASCENCIA CHECKED BY G. THOMPSON APPROVED BY A. SOKOL DATE 7/22/2022	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROP PROJECT-FREIGHT TRACK PLAN&PROFILE MTRK 179+00 TO MTRK 191+00 SHEET 16 OF 21	CONTRACT NO. AE63445001 DRAWING NO. T-416 REVISION SHEET NO. SCALE AS SHOWN
		SUBMITTED: _____ PROJECT MANAGER APPROVED: _____					

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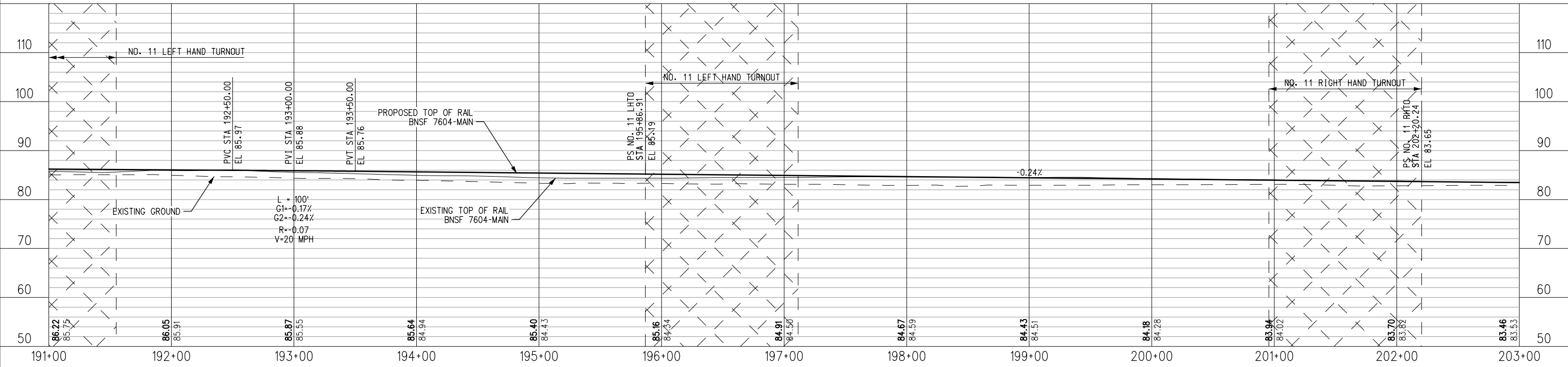


TRACK LEGEND

	PROPOSED TANGENT TRACK		PROPOSED RETAINED FILL
	PROPOSED SPIRAL TRACK		PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED CURVE TRACK		PROPOSED MIXED USE PATH
	PROPOSED LIGHT RAIL TRACK		
	EXISTING FREIGHT TRACK		



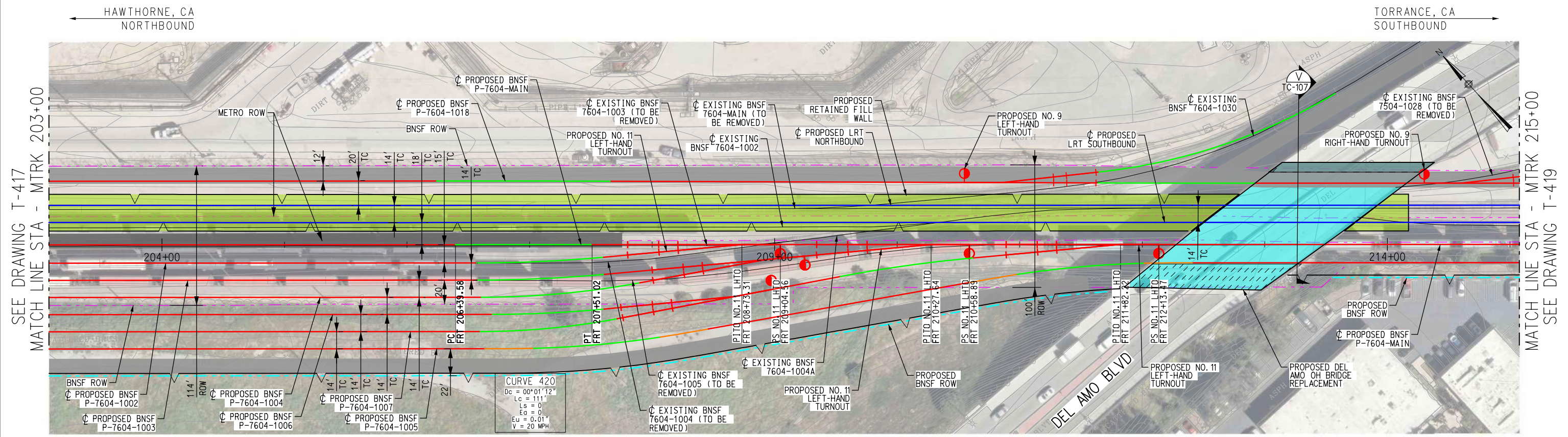
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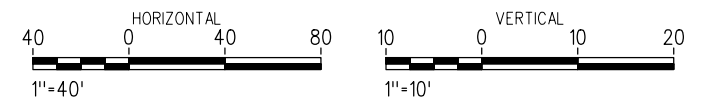
PROFILE

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	SUBMITTED: _____ PROJECT MANAGER APPROVED: _____				
	REV. DATE BY SUB. APP.				

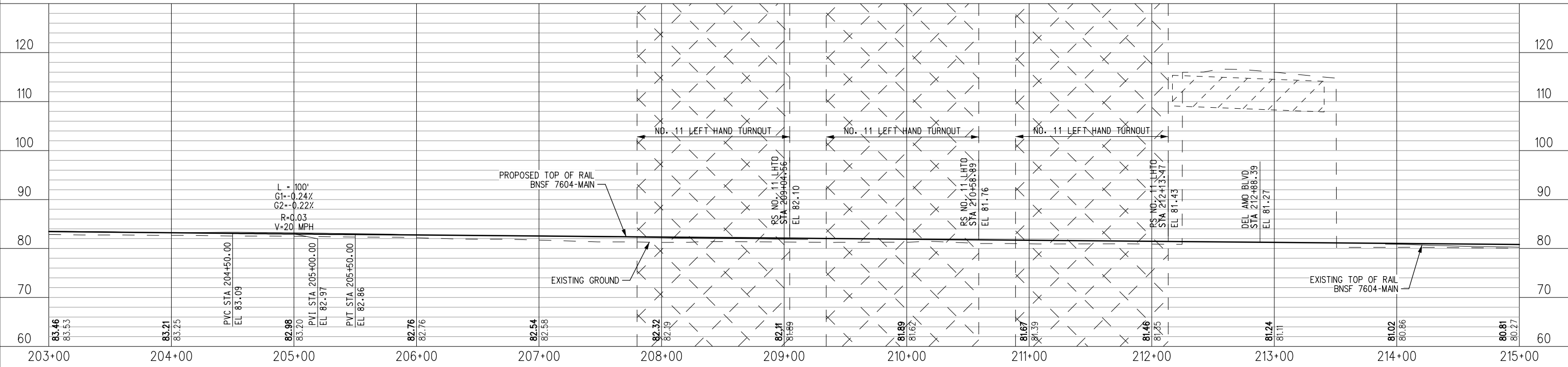
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- TRACK LEGEND**
- PROPOSED TANGENT TRACK
 - PROPOSED SPIRAL TRACK
 - PROPOSED CURVE TRACK
 - PROPOSED LIGHT RAIL TRACK
 - EXISTING FREIGHT TRACK
 - PROPOSED RETAINED FILL
 - PROPOSED ELEVATED GUIDEWAY OR BRIDGE
 - PROPOSED MIXED USE PATH



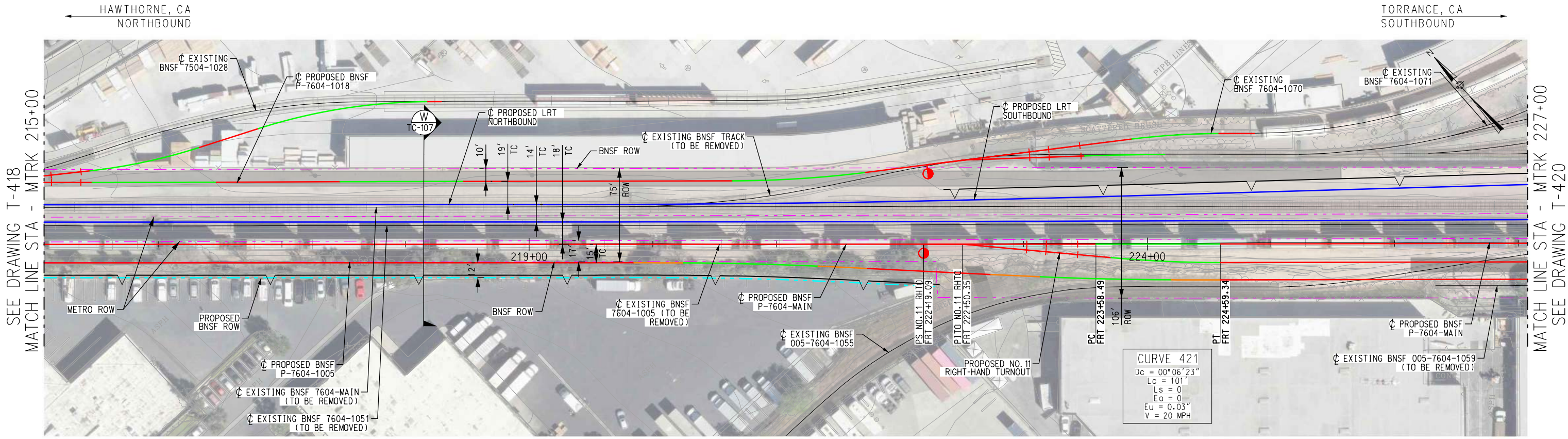
PLAN



PROFILE

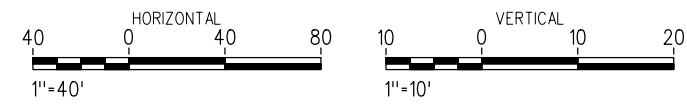
<p style="font-size: 2em; opacity: 0.5;">NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>		<p>DESIGNED BY: J. GONZALEZ DRAWN BY: O. PLASCENCIA CHECKED BY: G. THOMPSON APPROVED BY: A. SOKOL DATE: 7/22/2022</p>		<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>		<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROP PROJECT-FREIGHT TRACK PLAN&PROFILE MTRK 203+00 TO MTRK 215+00 SHEET 18 OF 21</p>		<p>CONTRACT NO. AE63445001 DRAWING NO. T-418 REVISION SHEET NO. SCALE AS SHOWN</p>	
		<p>REV. DATE BY SUB. APP.</p>		<p>SUBMITTED: PROJECT MANAGER APPROVED:</p>		<p>STV 100 Years</p>		<p>AS SHOWN</p>			

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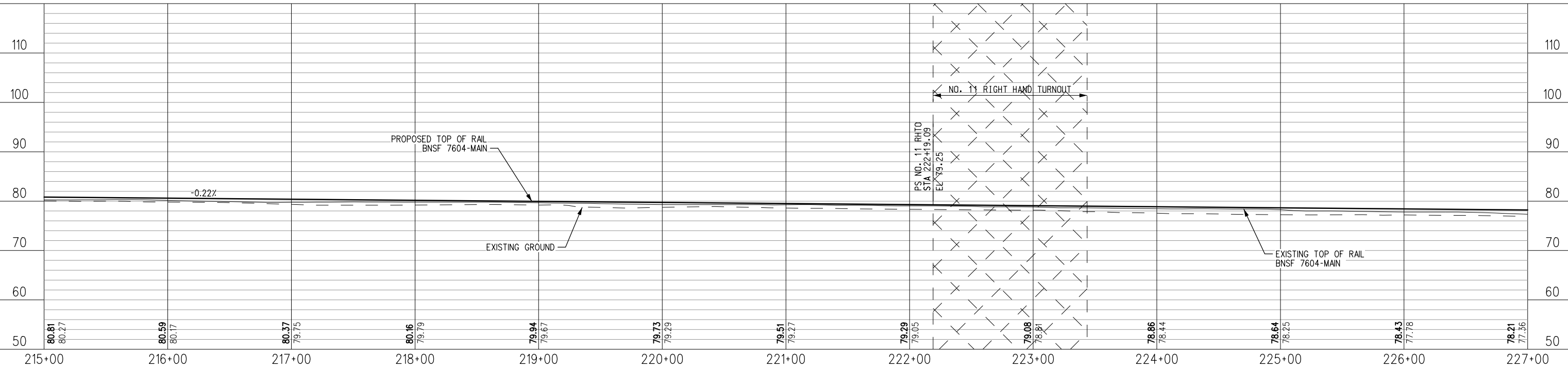


TRACK LEGEND

—	PROPOSED TANGENT TRACK		PROPOSED RETAINED FILL
—	PROPOSED SPIRAL TRACK		PROPOSED ELEVATED GUIDEWAY OR BRIDGE
—	PROPOSED CURVE TRACK		PROPOSED MIXED USE PATH
—	PROPOSED LIGHT RAIL TRACK		
—	EXISTING FREIGHT TRACK		



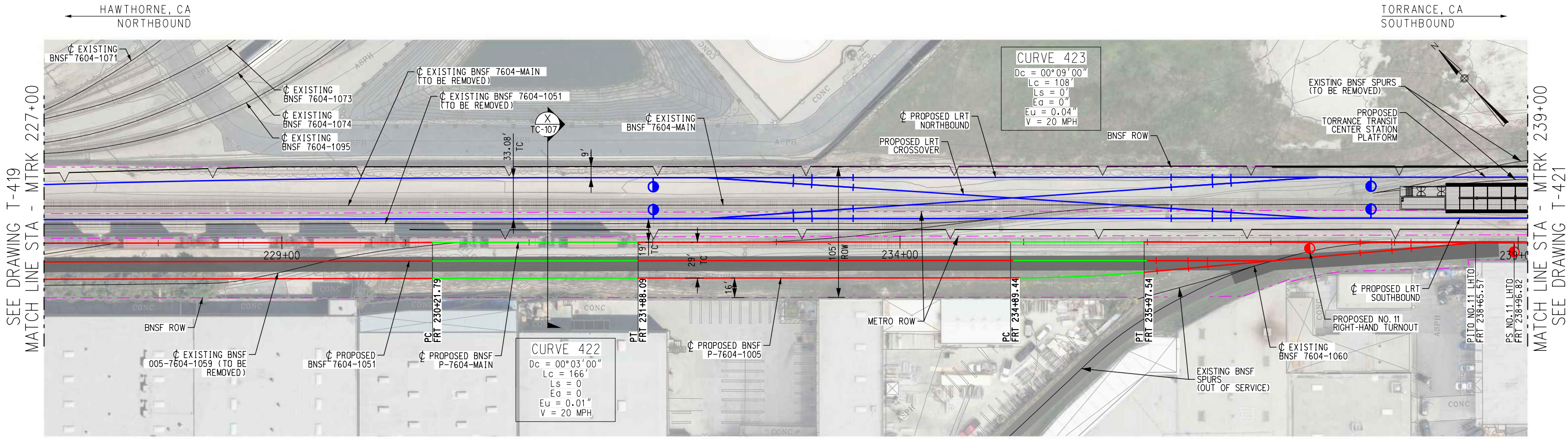
PLAN



PROFILE

NOT FOR CONSTRUCTION	INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.	DESIGNED BY: J. GONZALEZ DRAWN BY: O. PLASCENCIA CHECKED BY: G. THOMPSON APPROVED BY: A. SOKOL DATE: 7/22/2022	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY		METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROP PROJECT-FREIGHT TRACK PLAN&PROFILE MTRK 215+00 TO MTRK 227+00 SHEET 19 OF 21	CONTRACT NO. AE63445001 DRAWING NO. T-419 REVISION SHEET NO. SCALE AS SHOWN
	SUBMITTED: _____ PROJECT MANAGER APPROVED: _____					

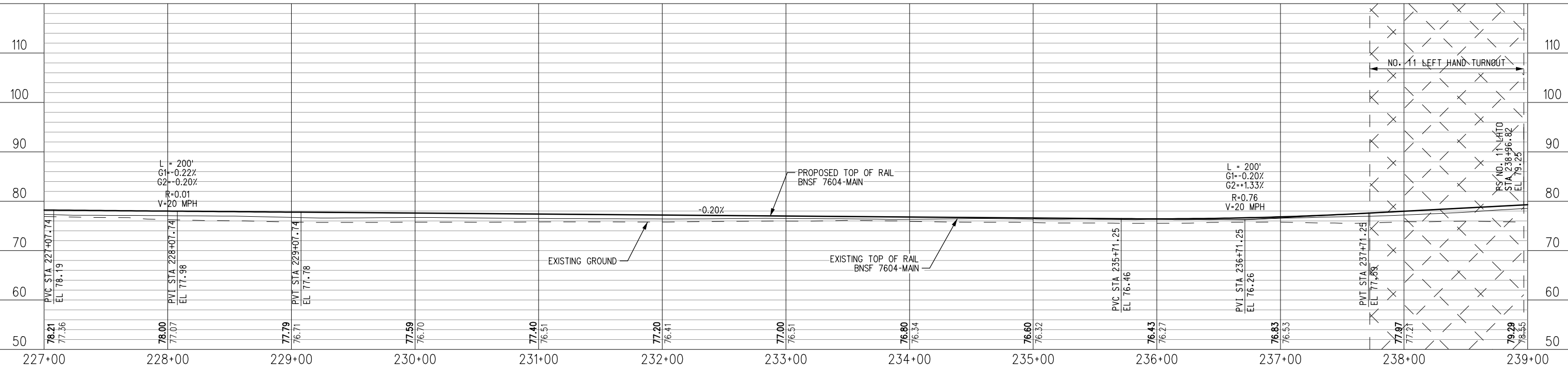
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TRACK LEGEND

	PROPOSED TANGENT TRACK		PROPOSED RETAINED FILL
	PROPOSED SPIRAL TRACK		PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED CURVE TRACK		PROPOSED MIXED USE PATH
	PROPOSED LIGHT RAIL TRACK		
	EXISTING FREIGHT TRACK		

PLAN



PROFILE

NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

INFORMATION CONFIDENTIAL:
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DESIGNED BY: J. GONZALEZ
DRAWN BY: O. PLASCENCIA
CHECKED BY: G. THOMPSON
APPROVED BY: A. SOKOL
DATE: 7/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

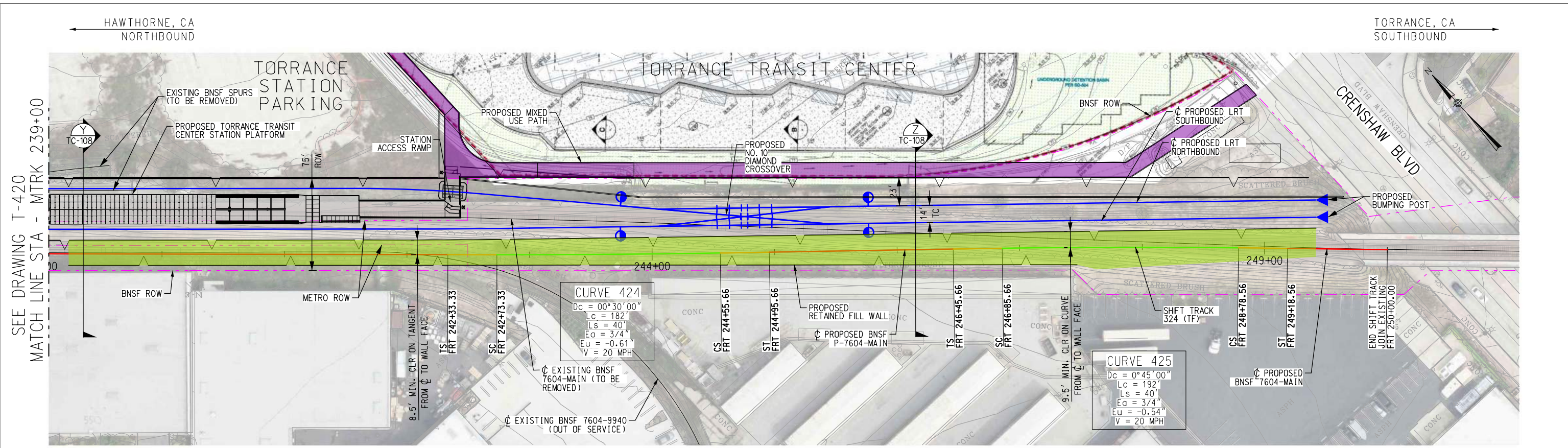
SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 PROP PROJECT-FREIGHT TRACK PLAN&PROFILE
 MTRK 227+00 TO MTRK 239+00
 SHEET 20 OF 21

CONTRACT NO. AE63445001
DRAWING NO. T-420
REVISION SHEET NO.
SCALE AS SHOWN

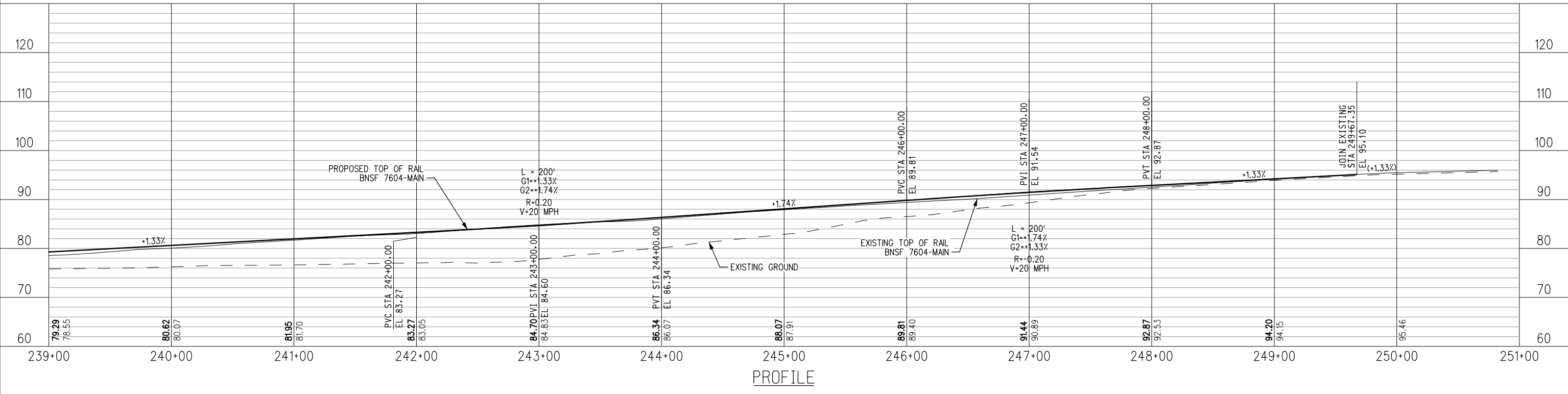
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TRACK LEGEND

	PROPOSED TANGENT TRACK		PROPOSED RETAINED FILL
	PROPOSED SPIRAL TRACK		PROPOSED ELEVATED GUIDEWAY OR BRIDGE
	PROPOSED CURVE TRACK		PROPOSED MIXED USE PATH
	PROPOSED LIGHT RAIL TRACK		
	EXISTING FREIGHT TRACK		

PLAN

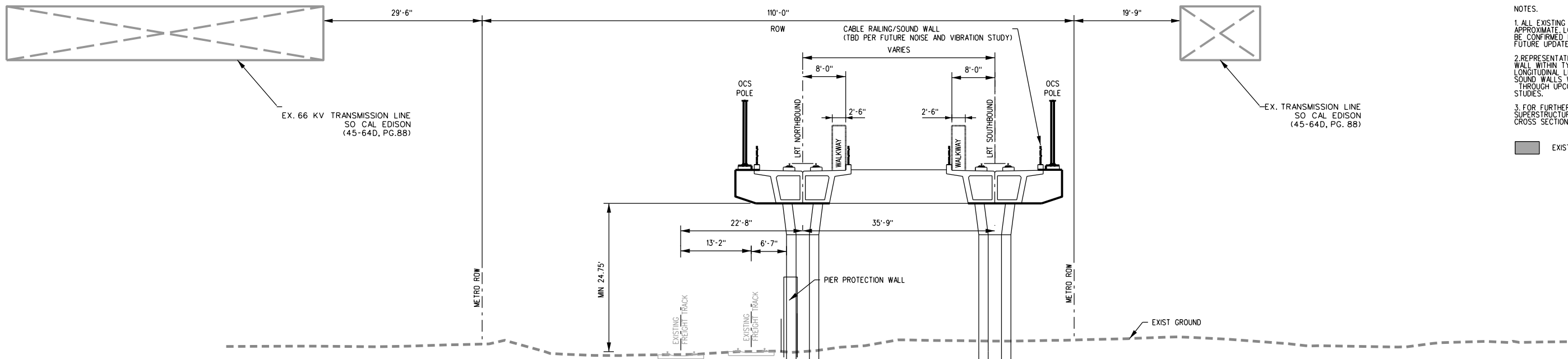


PROFILE

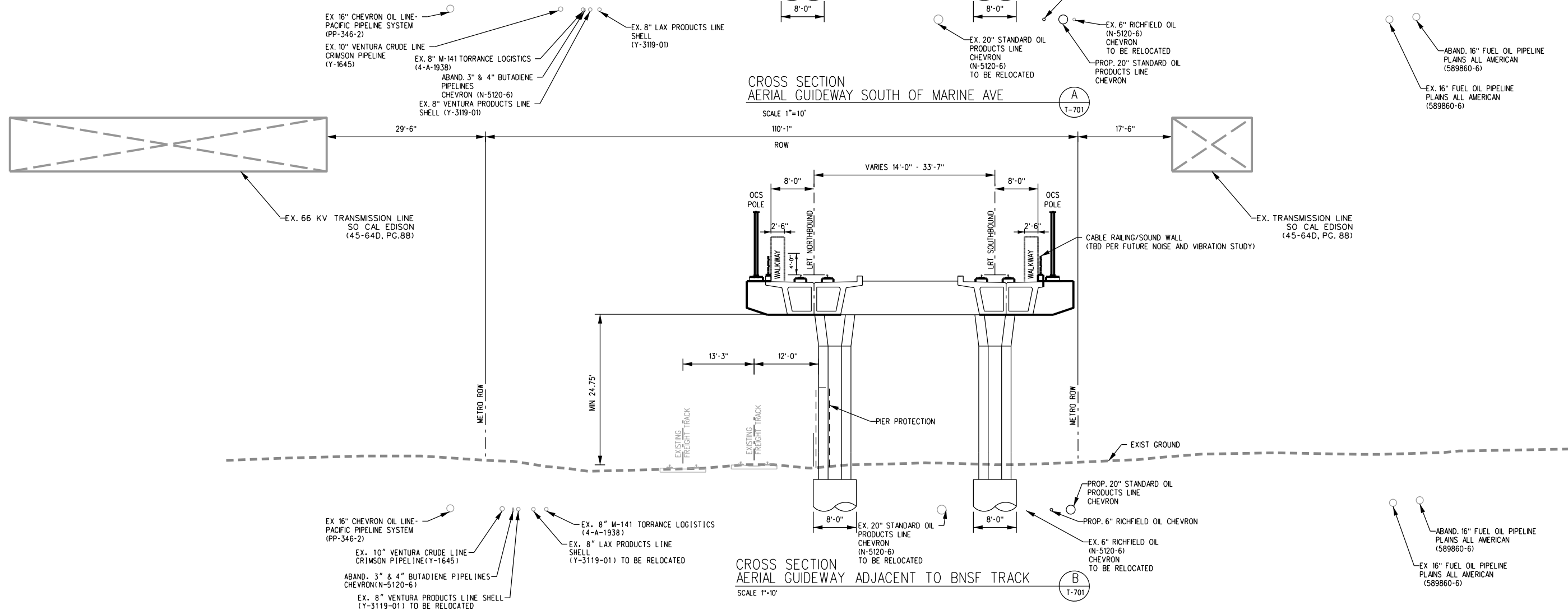
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<p style="font-size: 2em; opacity: 0.5;">NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>		<p>DESIGNED BY: J. GONZALEZ DRAWN BY: O. PLASCENCIA CHECKED BY: G. THOMPSON APPROVED BY: A. SOKOL DATE: 7/22/2022</p>		 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY		<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROP PROJECT-FREIGHT TRACK PLAN&PROFILE MTRK 239+00 TO MTRK 251+00 SHEET 21 OF 21</p>		<p>CONTRACT NO. AE63445001 DRAWING NO. T-421 REVISION SHEET NO. SCALE AS SHOWN</p>	
		<p>BY: _____ SUB. APP. _____</p>		<p>SUBMITTED: _____ PROJECT MANAGER APPROVED: _____</p>		<p>STV 100 Years</p>					

22.07.2022 13:09:32 Dominik.Stefanowski pw\stefan@eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD_GIS\910-CAD_SHEETS\ALIGNMENT_OPTION_2vs2B\TC4-601



CROSS SECTION AERIAL GUIDEWAY SOUTH OF MARINE AVE
SCALE 1"=10'



CROSS SECTION AERIAL GUIDEWAY ADJACENT TO BNSF TRACK
SCALE 1"=10'

- NOTES:
1. ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. LOCATION AND DEPTHS WILL BE CONFIRMED BY SITE INVESTIGATION FOR FUTURE UPDATE WHERE NECESSARY.
 2. REPRESENTATIVE LOCATION OF SOUND WALL WITH TYPICAL SECTION. LONGITUDINAL LIMITS AND HEIGHT OF SOUND WALLS WILL BE DETERMINED THROUGH UPCOMING NOISE AND VIBRATION STUDIES.
 3. FOR FURTHER INFORMATION ABOUT SUPERSTRUCTURE REFER TO STRUCTURAL CROSS SECTIONS

EXISTING PAVEMENT

- EX. 16" CHEVRON OIL LINE-PACIFIC PIPELINE SYSTEM (PP-346-2)
- EX. 10" VENTURA CRUDE LINE CRIMSON PIPELINE (Y-1645)
- EX. 8" M-141 TORRANCE LOGISTICS (4-A-1938)
- ABAND. 3" & 4" BUTADIENE PIPELINES CHEVRON (N-5120-6)
- EX. 8" VENTURA PRODUCTS LINE SHELL (Y-3119-01)
- EX. 8" LAX PRODUCTS LINE SHELL (Y-3119-01)

- PROP. 6" RICHFIELD OIL CHEVRON
- EX. 20" STANDARD OIL PRODUCTS LINE CHEVRON (N-5120-6) TO BE RELOCATED
- EX. 6" RICHFIELD OIL (N-5120-6) CHEVRON TO BE RELOCATED
- PROP. 20" STANDARD OIL PRODUCTS LINE CHEVRON
- ABAND. 16" FUEL OIL PIPELINE PLAINS ALL AMERICAN (589860-6)
- EX. 16" FUEL OIL PIPELINE PLAINS ALL AMERICAN (589860-6)

- EX. 16" CHEVRON OIL LINE-PACIFIC PIPELINE SYSTEM (PP-346-2)
- EX. 10" VENTURA CRUDE LINE CRIMSON PIPELINE (Y-1645)
- ABAND. 3" & 4" BUTADIENE PIPELINES CHEVRON (N-5120-6)
- EX. 8" VENTURA PRODUCTS LINE SHELL (Y-3119-01) TO BE RELOCATED
- EX. 8" M-141 TORRANCE LOGISTICS (4-A-1938)
- EX. 8" LAX PRODUCTS LINE SHELL (Y-3119-01) TO BE RELOCATED

- PROP. 20" STANDARD OIL PRODUCTS LINE CHEVRON
- EX. 20" STANDARD OIL PRODUCTS LINE CHEVRON (N-5120-6) TO BE RELOCATED
- PROP. 6" RICHFIELD OIL CHEVRON
- EX. 6" RICHFIELD OIL (N-5120-6) CHEVRON TO BE RELOCATED
- ABAND. 16" FUEL OIL PIPELINE PLAINS ALL AMERICAN (589860-6)
- EX. 16" FUEL OIL PIPELINE PLAINS ALL AMERICAN (589860-6)

NOT FOR CONSTRUCTION

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DESIGNED BY J. ESPADERO
DRAWN BY D. VILARINO
CHECKED BY A. BOONE
APPROVED BY M. E. ALFONSO
DATE 07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

Metro

STV 100 Years **AECOM**

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

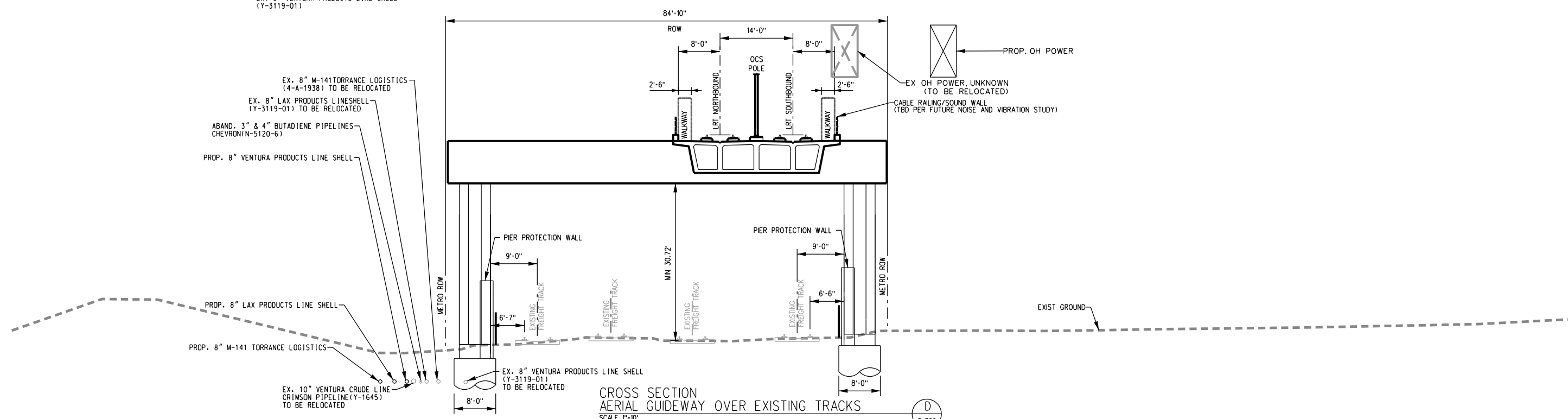
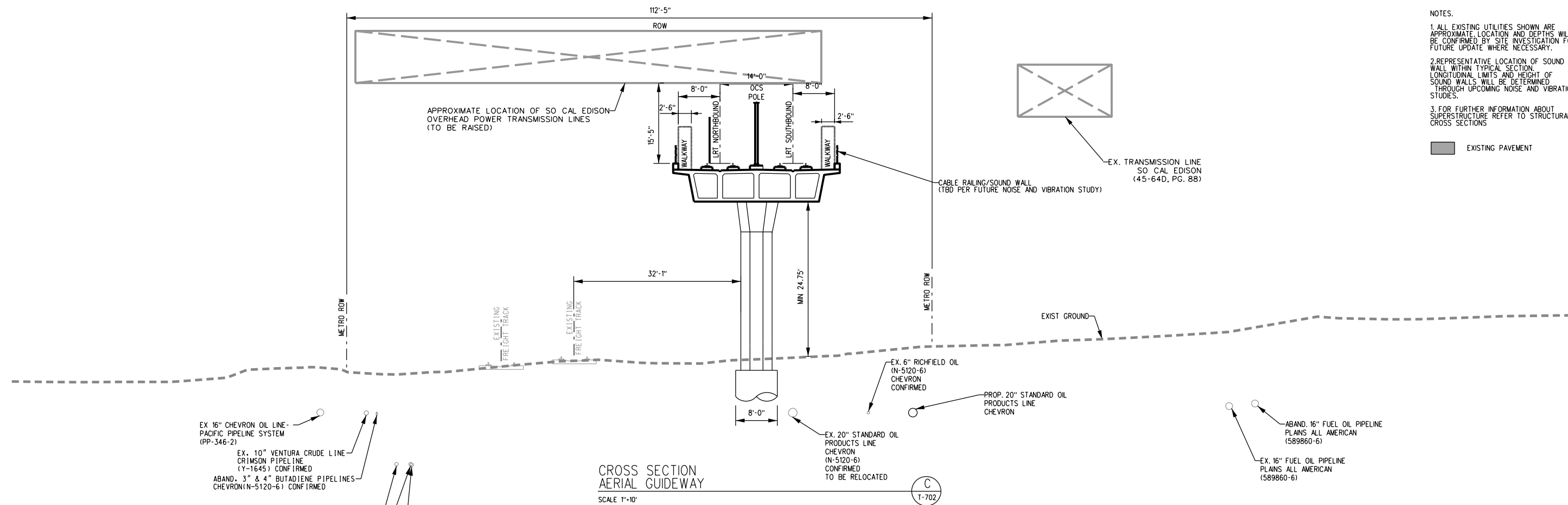
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION
CROSS SECTIONS
SHEET 1 OF 15

CONTRACT NO. AE63445001	
DRAWING NO. TC-701	
REVISION	SHEET NO.
SCALE	AS SHOWN

22.07.2022 13:09:37 pw\l\abcom-eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD-GIS\910-CAD_20_SHEETS\ALIGNMENT_OPTION_2vs2B\TC4-601

- NOTES.
1. ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE LOCATION AND DEPTHS WILL BE CONFIRMED BY SITE INVESTIGATION FOR FUTURE UPDATE WHERE NECESSARY.
 2. REPRESENTATIVE LOCATION OF SOUND WALL WITHIN TYPICAL SECTION. LONGITUDINAL LIMITS AND HEIGHT OF SOUND WALLS WILL BE DETERMINED THROUGH UPCOMING NOISE AND VIBRATION STUDIES.
 3. FOR FURTHER INFORMATION ABOUT SUPERSTRUCTURE REFER TO STRUCTURAL CROSS SECTIONS

EXISTING PAVEMENT



NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

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DESIGNED BY: J. ESPADERO
DRAWN BY: D. VILARINO
CHECKED BY: A. BOONE
APPROVED BY: M. E. ALFONSO
DATE: 07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

Metro

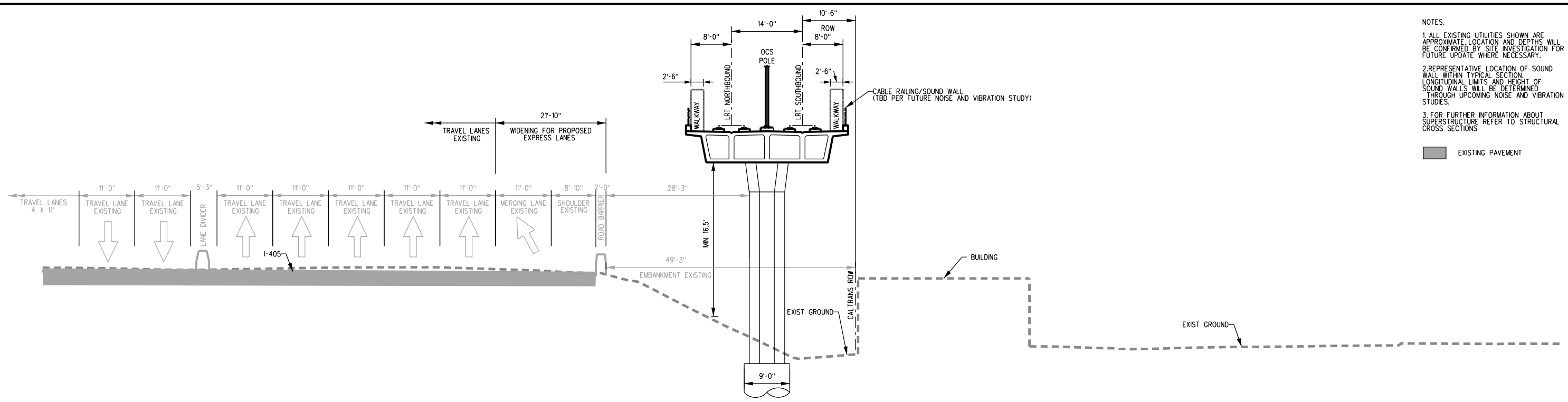
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SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

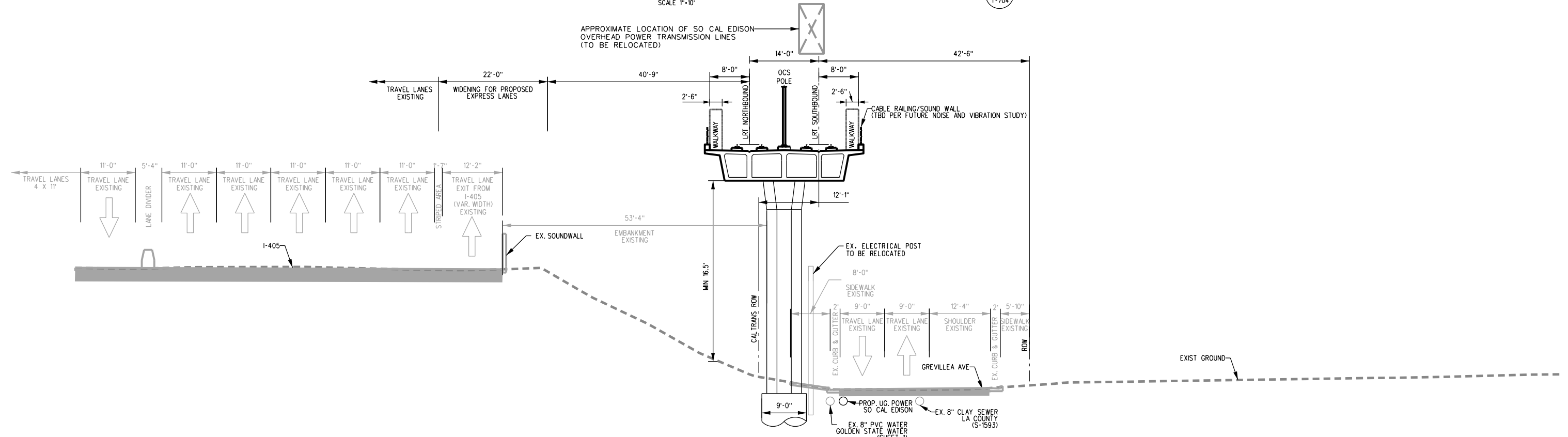
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION
CROSS SECTIONS
SHEET 2 OF 15

CONTRACT NO. AE63445001
DRAWING NO. TC-702
REVISION SHEET NO.
SCALE AS SHOWN

22.07.2022 13:09:54 Dominik.Stefanowski
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CROSS SECTION
 AERIAL GUIDEWAY SOUTH OF S CONDON AVE
 SCALE 1"=10' G
T-704



CROSS SECTION
 AERIAL GUIDEWAY SOUTH OF W 159 ST
 SCALE 1"=10' H
T-705

- NOTES.
1. ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. LOCATION AND DEPTHS WILL BE CONFIRMED BY SITE INVESTIGATION FOR FUTURE UPDATE WHERE NECESSARY.
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- EXISTING PAVEMENT

NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

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DESIGNED BY: J. ESPADERO
 DRAWN BY: D. VILARINO
 CHECKED BY: A. BOONE
 APPROVED BY: M. E. ALFONSO
 DATE: 07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

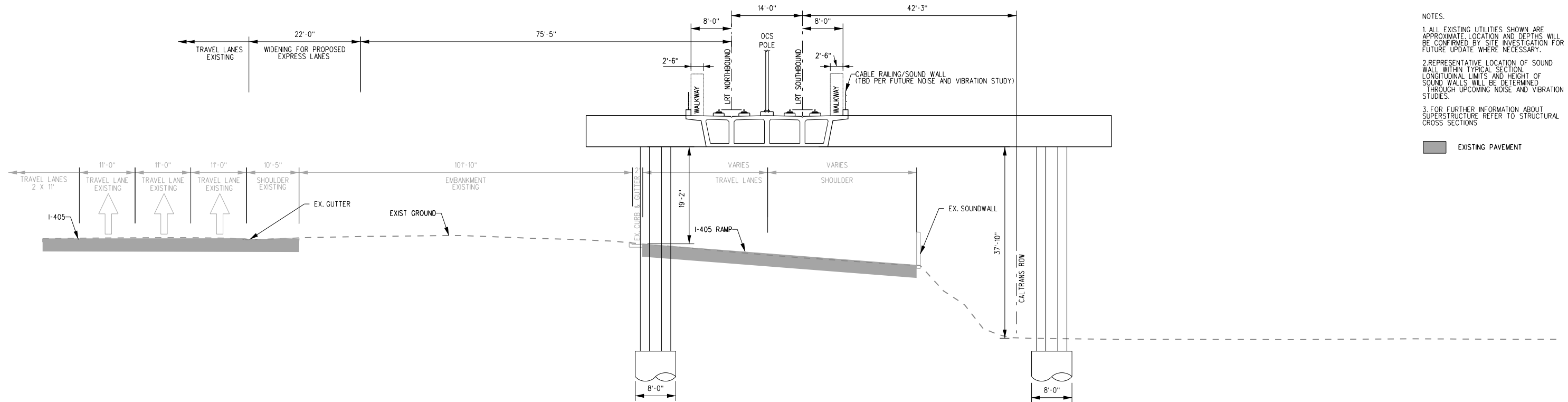
SUBMITTED: _____ PROJECT MANAGER
 APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 HAWTHORNE OPTION
 CROSS SECTIONS
 SHEET 4 OF 15

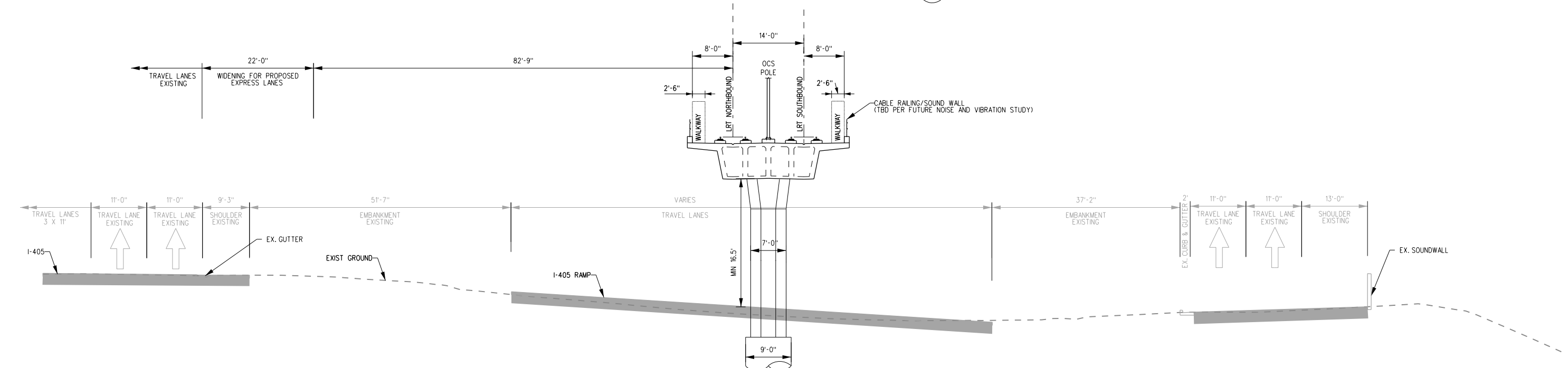
CONTRACT NO. AE63445001	
DRAWING NO. TC-704	
REVISION	SHEET NO.
SCALE	AS SHOWN

- NOTES:
1. ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. LOCATION AND DEPTHS WILL BE CONFIRMED BY SITE INVESTIGATION FOR FUTURE UPDATE WHERE NECESSARY.
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 3. FOR FURTHER INFORMATION ABOUT SUPERSTRUCTURE REFER TO STRUCTURAL CROSS SECTIONS

EXISTING PAVEMENT



CROSS SECTION
AERIAL GUIDEWAY SOUTH OF W 160 ST
SCALE 1"=10' 450+46.490



CROSS SECTION
AERIAL GUIDEWAY OVER I-405 OFF RAMP
SCALE 1"=10' 452+50.00

DATE \$ \$TIME \$ \$USERNAME \$

NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

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DESIGNED BY
J. ESPADERO

DRAWN BY
D. VILARINO

CHECKED BY
A. BOONE

APPROVED BY
M. E. ALFONSO

DATE
12/09/2022



LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY





SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

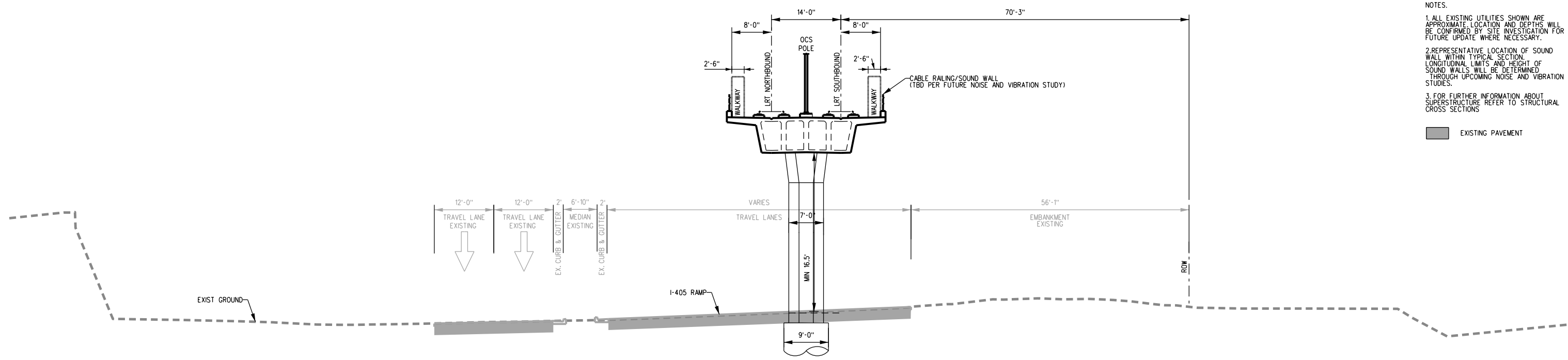
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION
CROSS SECTIONS
SHEET 5 OF 15

CONTRACT NO. AE63445001	
DRAWING NO. TC-705	
REVISION	SHEET NO.
SCALE	AS SHOWN

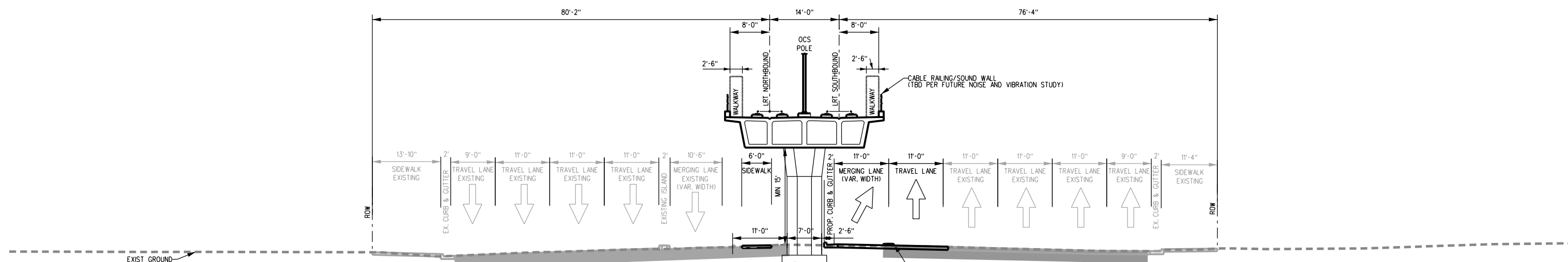
22.07.2022 13:10:18 Dominik.Stefanowski pw\labcem-eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD-GIS\910-CAD\20-SHEETS\ALIGNMENT_OPTION_2vs2B\TC4-601

- NOTES:
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 3. FOR FURTHER INFORMATION ABOUT SUPERSTRUCTURE REFER TO STRUCTURAL CROSS SECTIONS

EXISTING PAVEMENT



CROSS SECTION
AERIAL GUIDEWAY OVER I-405 OFF RAMP
SCALE 1"=10' (K)
T-706



CROSS SECTION
AERIAL GUIDEWAY SOUTH OF W 163 ST
SCALE 1"=10' (L)
T-706

- EX. 4" GAS, UNKNOWN (275-682-D1.4) 84" E/CL
- EX. 12" GAS, UNKNOWN (275-682-D1.4)
- EX. 4" GAS, UNKNOWN (275-682-D1.4)
- PROP. 60" RCP STORM DRAIN LACFCD
- EX. 6" CONDUIT-FRONTIER (C0206B)
- EX. 60" RCP STORM DRAIN LACFCD (275-682-D1.4) SD RELOCATION PER COMPOSITE RELOCATION UTILITY PLAN
- EX. 18" RCP STORM DRAIN LACFCD (275-682-D1.4) TO BE RELOCATED
- ABAND. 2" GAS, UNKNOWN (275-682-D1.4)
- EX. 8" SEWER LA COUNTY (S-1594)
- EX. 12" PVC WATER GOLDEN STATE WATER (SHEET 1)
- EX. 2" GAS, UNKNOWN (275-682-D1.4)

NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

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DESIGNED BY: J. ESPADERO
 DRAWN BY: D. VILARINO
 CHECKED BY: A. BOONE
 APPROVED BY: M. E. ALFONSO
 DATE: 07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

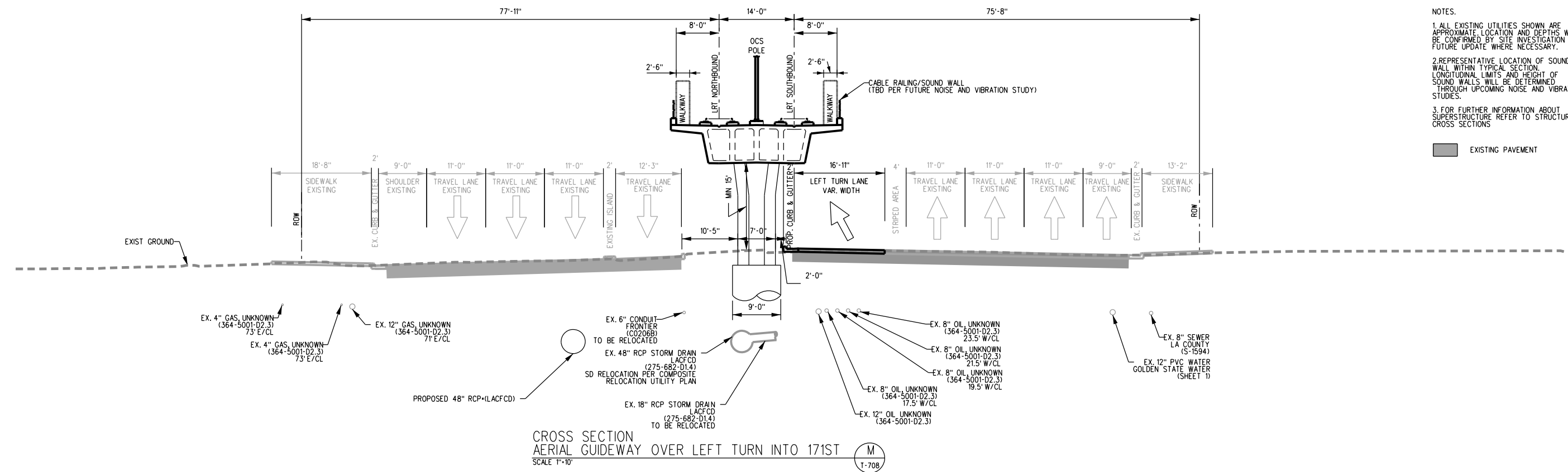
STV 100 Years **AECOM**

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 HAWTHORNE OPTION
 CROSS SECTIONS
 SHEET 6 OF 15

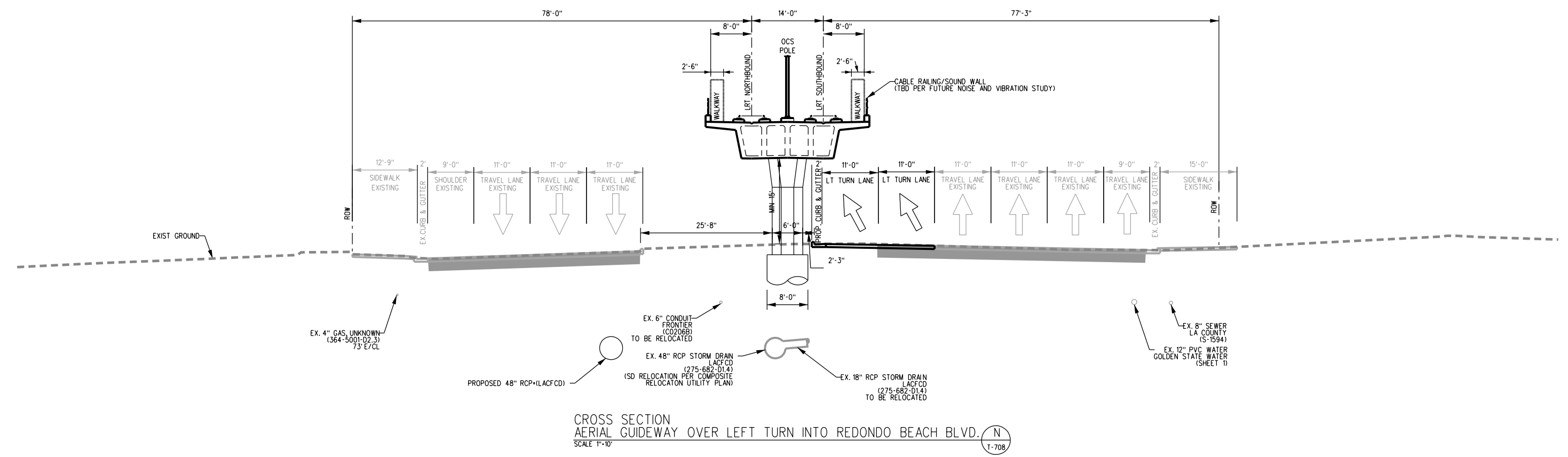
CONTRACT NO. AE63445001	
DRAWING NO. TC-706	
REVISION	SHEET NO.
SCALE	AS SHOWN

22.07.2022 13:10:22 Dominik.Stefanowski pw\l\adecom-eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD-GIS\910-CAD-20-SHEETS\ALIGNMENT_OPTION_2vs2B\TC4-601



NOTES:
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EXISTING PAVEMENT



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DESIGNED BY: J. ESPADERO
 DRAWN BY: D. VILARINO
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 DATE: 07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

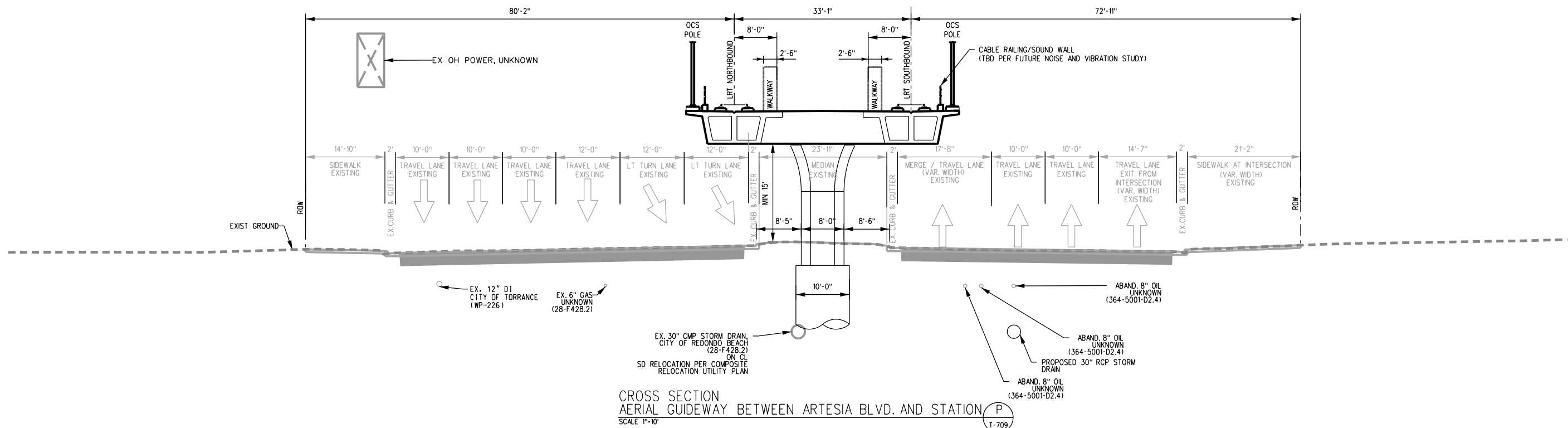
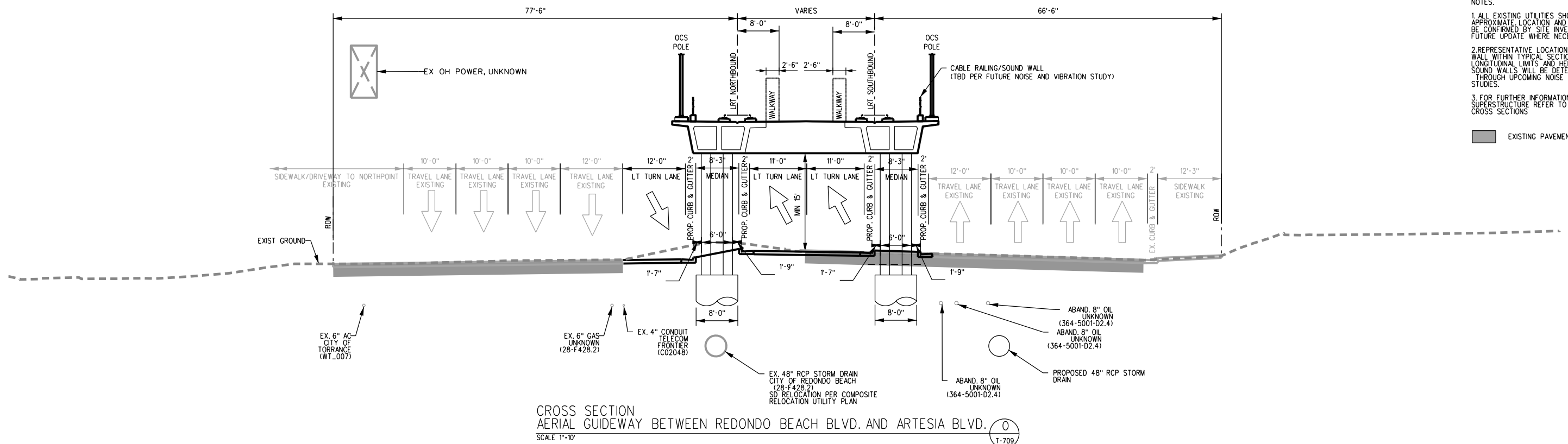
METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 HAWTHORNE OPTION
 CROSS SECTIONS
 SHEET 7 OF 15

CONTRACT NO. AE63445001	
DRAWING NO. TC-707	
REVISION	SHEET NO.
SCALE	AS SHOWN

22.07.2022 13:10:30 Dominik.Stefanowski pw\l\aedcom-eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD-GIS\910-CAD\20-SHEETS\ALIGNMENT_OPTION_2\28\TC4-601

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DRAWN BY D. VILARINO
CHECKED BY A. BOONE
APPROVED BY M. E. ALFONSO
DATE 07/22/2022

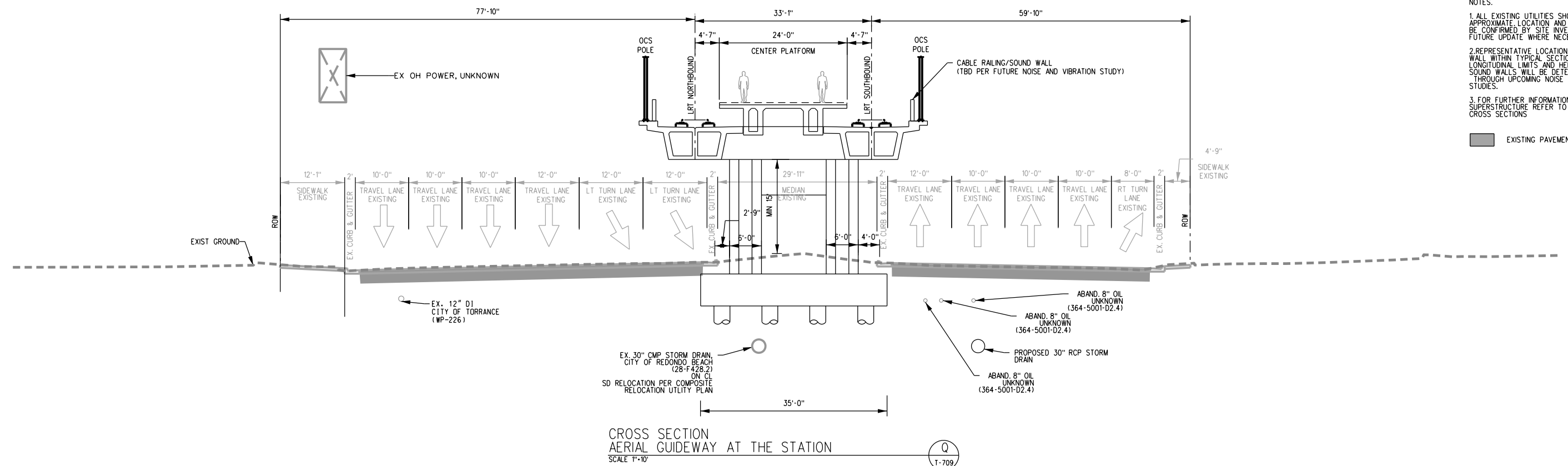
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION
CROSS SECTIONS
SHEET 8 OF 15

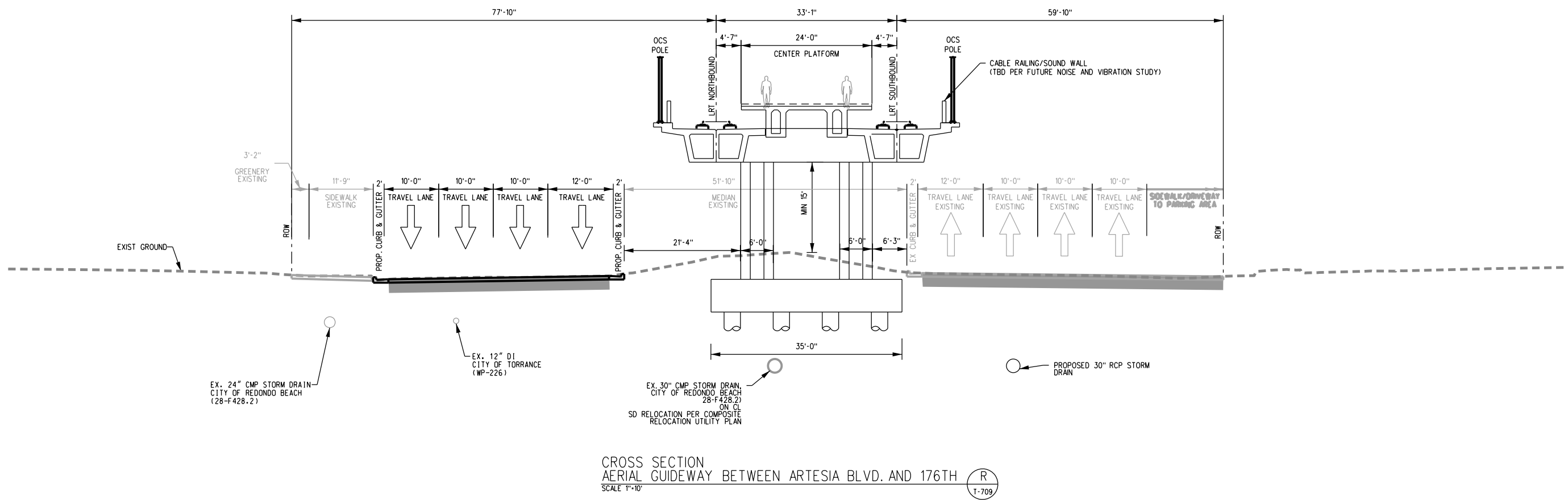
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DRAWING NO. TC-708	
REVISION	SHEET NO.
SCALE	AS SHOWN

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- NOTES.**
1. ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. LOCATION AND DEPTHS WILL BE CONFIRMED BY SITE INVESTIGATION FOR FUTURE UPDATE WHERE NECESSARY.
 2. REPRESENTATIVE LOCATION OF SOUND WALL WITHIN TYPICAL SECTION. LONGITUDINAL LIMITS AND HEIGHT OF SOUND WALLS WILL BE DETERMINED THROUGH UPCOMING NOISE AND VIBRATION STUDIES.
 3. FOR FURTHER INFORMATION ABOUT SUPERSTRUCTURE REFER TO STRUCTURAL CROSS SECTIONS

EXISTING PAVEMENT



NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

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DESIGNED BY: J. ESPADERO
DRAWN BY: D. VILARINO
CHECKED BY: A. BOONE
APPROVED BY: M. E. ALFONSO
DATE: 07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

STV 100 Years **AECOM**

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

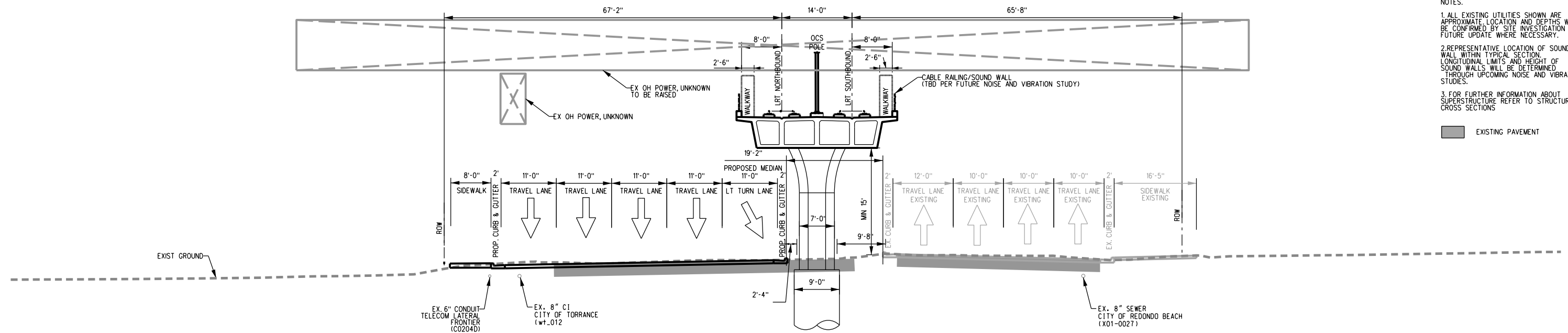
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION
CROSS SECTIONS
SHEET 9 OF 15

CONTRACT NO. AE63445001	
DRAWING NO. TC-709	
REVISION	SHEET NO.
SCALE	AS SHOWN

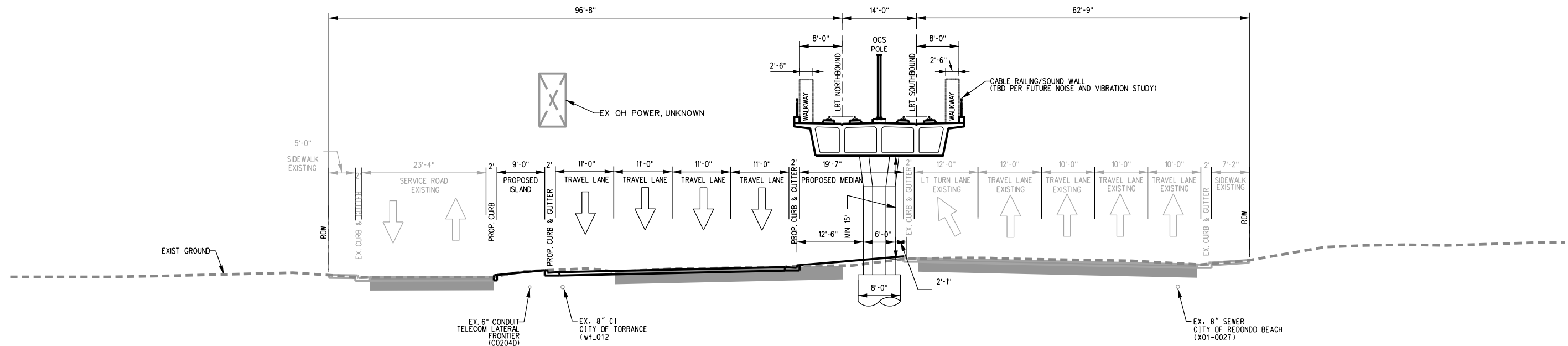
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EXISTING PAVEMENT



CROSS SECTION
AERIAL GUIDEWAY BETWEEN 177TH AND 178 TH
SCALE 1"=10' (S T-710)



CROSS SECTION
AERIAL GUIDEWAY BETWEEN 178TH AND 179TH
SCALE 1"=10' (T T-710)

NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB	APP.

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J. ESPADERO

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A. BOONE

APPROVED BY
M. E. ALFONSO

DATE
07/22/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

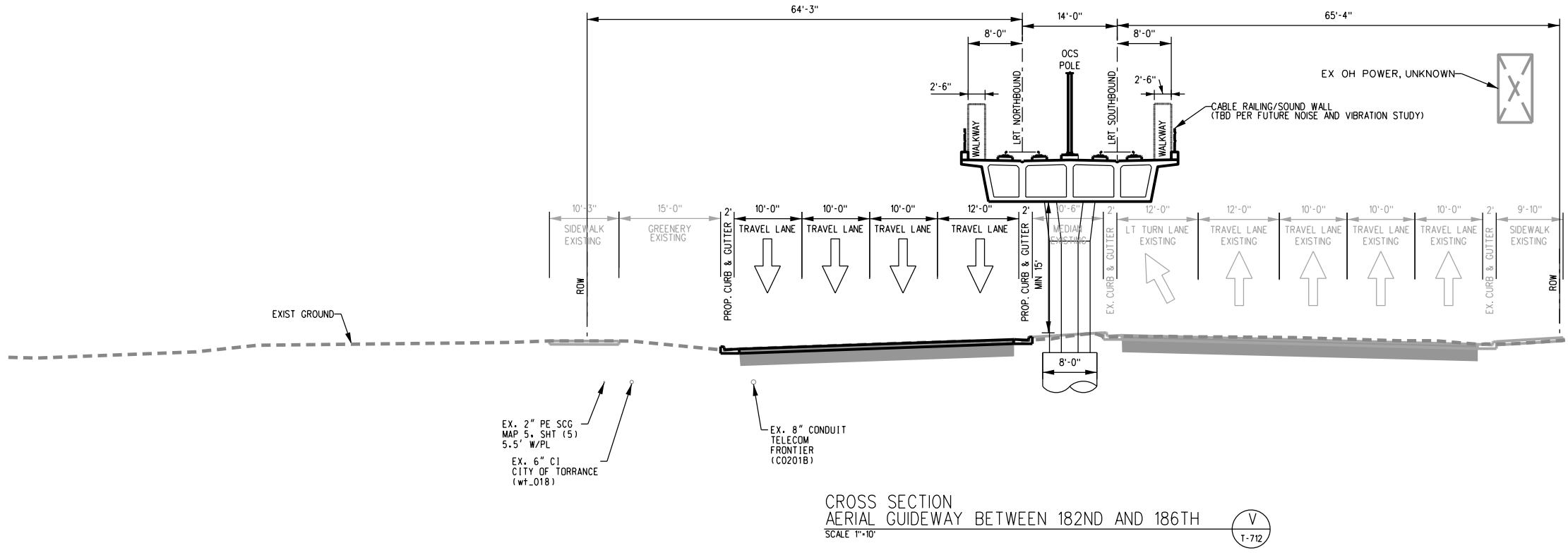
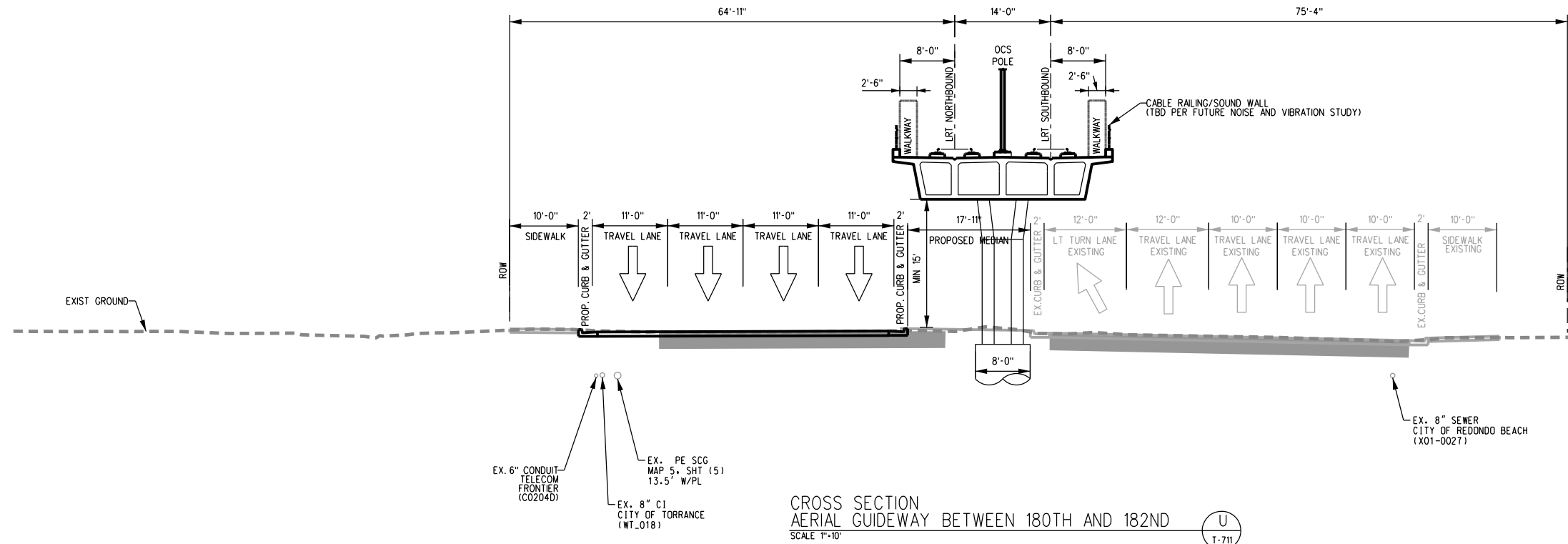
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION
CROSS SECTIONS
SHEET 10 OF 15

CONTRACT NO. AE63445001	
DRAWING NO. TC-710	
REVISION	SHEET NO.
SCALE	AS SHOWN

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EXISTING PAVEMENT



NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

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DESIGNED BY
J. ESPADERO

DRAWN BY
D. VILARINO

CHECKED BY
A. BOONE

APPROVED BY
M. E. ALFONSO

DATE
07/22/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

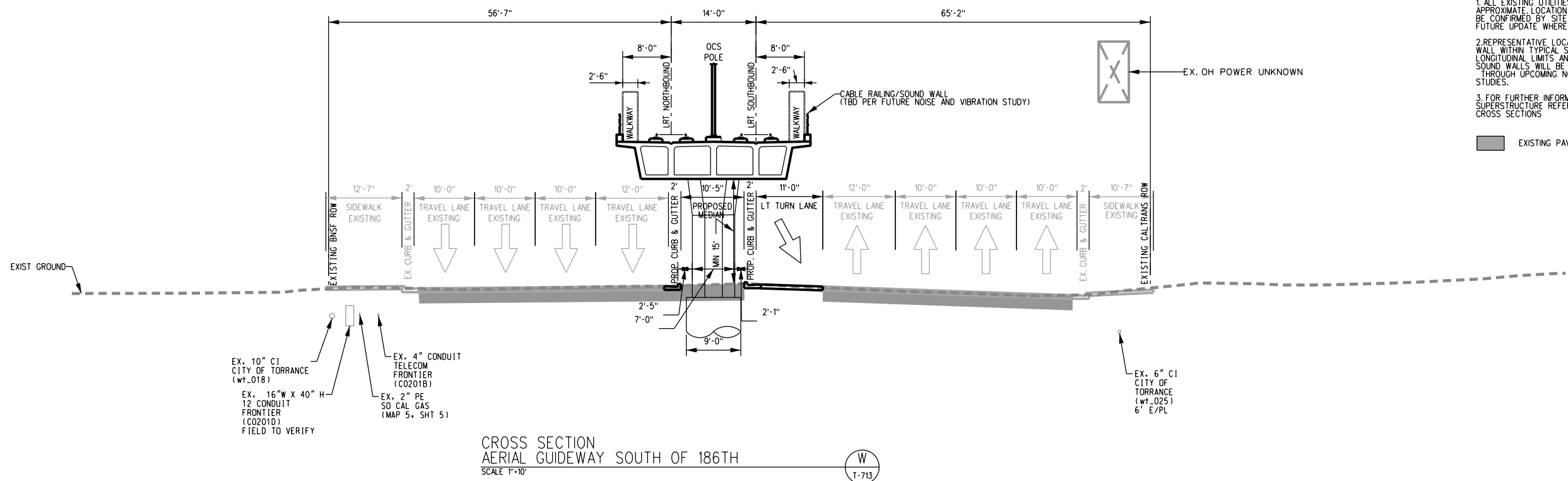
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APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION
CROSS SECTIONS
SHEET 11 OF 15

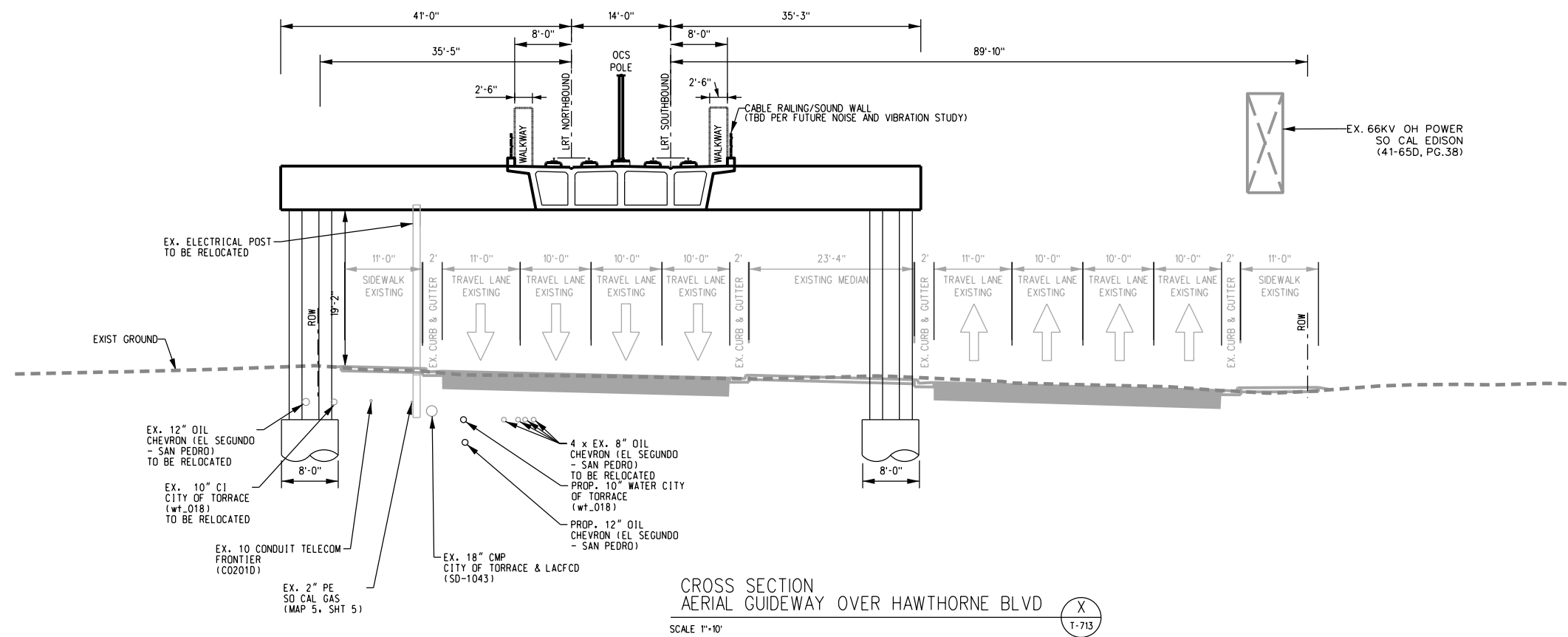
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DRAWING NO. TC-711	
REVISION	SHEET NO.
SCALE AS SHOWN	

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CROSS SECTION
AERIAL GUIDEWAY SOUTH OF 186TH
SCALE 1"=10'

W
T-713



CROSS SECTION
AERIAL GUIDEWAY OVER HAWTHORNE BLVD
SCALE 1"=10'

X
T-713

- NOTES.
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EXISTING PAVEMENT

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CHECKED BY
A. BOONE
APPROVED BY
M. E. ALFONSO
DATE
07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

Metro

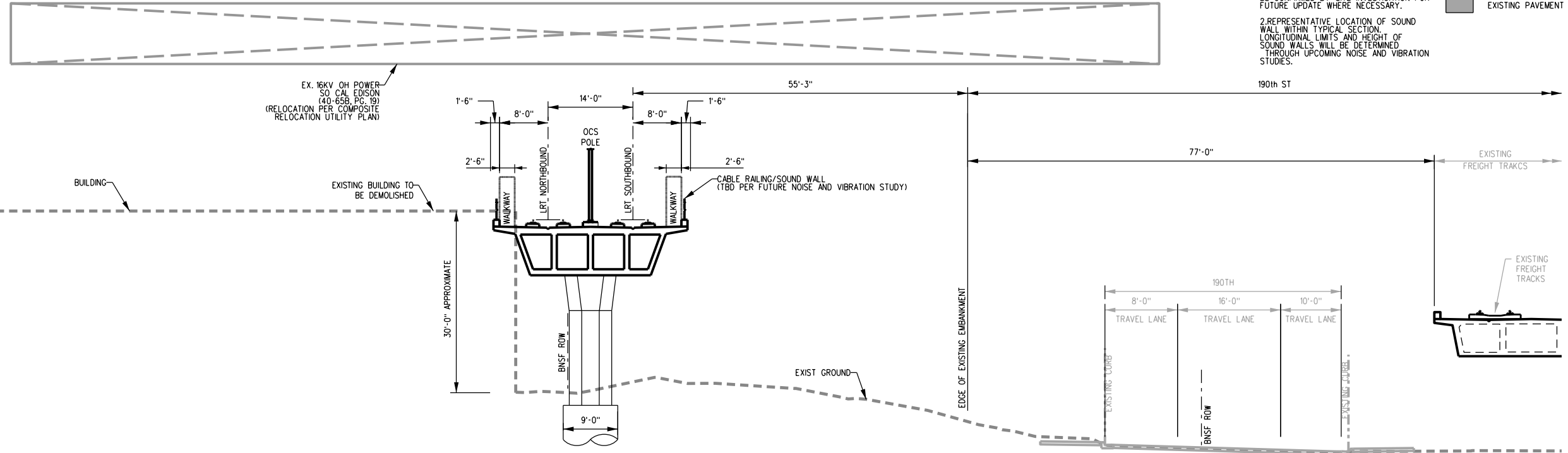
STV 100 Years **AECOM**

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION
CROSS SECTIONS
SHEET 12 OF 15

CONTRACT NO. AE63445001	
DRAWING NO. TC-712	
REVISION	SHEET NO.
SCALE	AS SHOWN

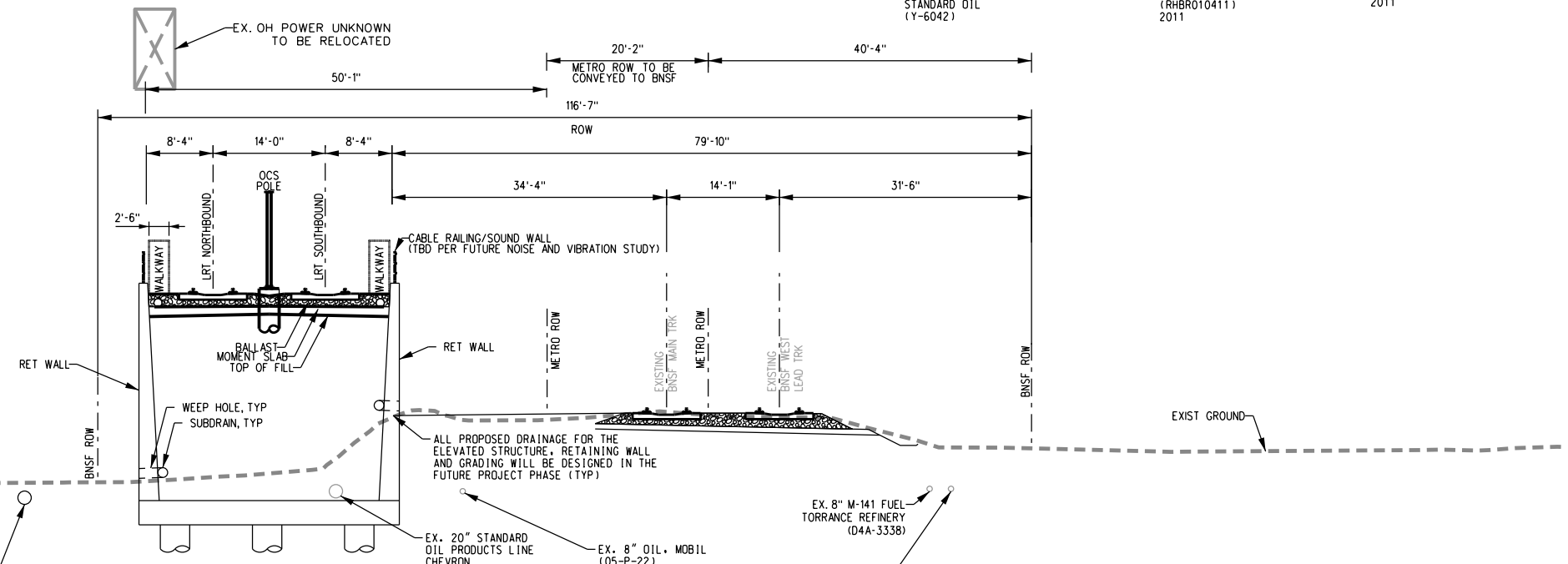
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NOTES.
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 3. FOR FURTHER INFORMATION ABOUT SUPERSTRUCTURE REFER TO STRUCTURAL CROSS SECTIONS

CROSS SECTION AERIAL GUIDEWAY OVER W 190TH
 SCALE 1"=10'

- EX. GAS UNKNOW
- EX. CABLE TV LINE (RHBRO1153) 2011
- EX. 10" VENTURA CRUDE LINE CRIMSON PIPELINE (Y-1642)
- EX. 3" & 4" BUTADIENE PIPELINES STANDARD OIL (Y-6042)
- EX. 8" VENTURA PRODUCTS LINE SHELL (Y-3114-01)
- EX. OH FO W/432 FIBERS: TIME WARNER COMMUNICATIONS (RHBRO10411) 2011
- EX. 20" STANDARD OIL PRODUCTS LINE CHEVRON (RHBRO11019) 2011
- EX. 60V UG & OH TV GROUP W CABLE TV OF TORRANCE (RHBRO11153) 2011
- EX. GAS UNKNOW



CROSS SECTION RETAINED FILL SOUTH OF W 190TH ST
 SCALE 1"=10'

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REV.	DATE	BY	SUB.	APP.

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DESIGNED BY J. ESPADERO
 DRAWN BY D. VILARINO
 CHECKED BY A. BOONE
 APPROVED BY M. E. ALFONSO
 DATE 07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

Metro

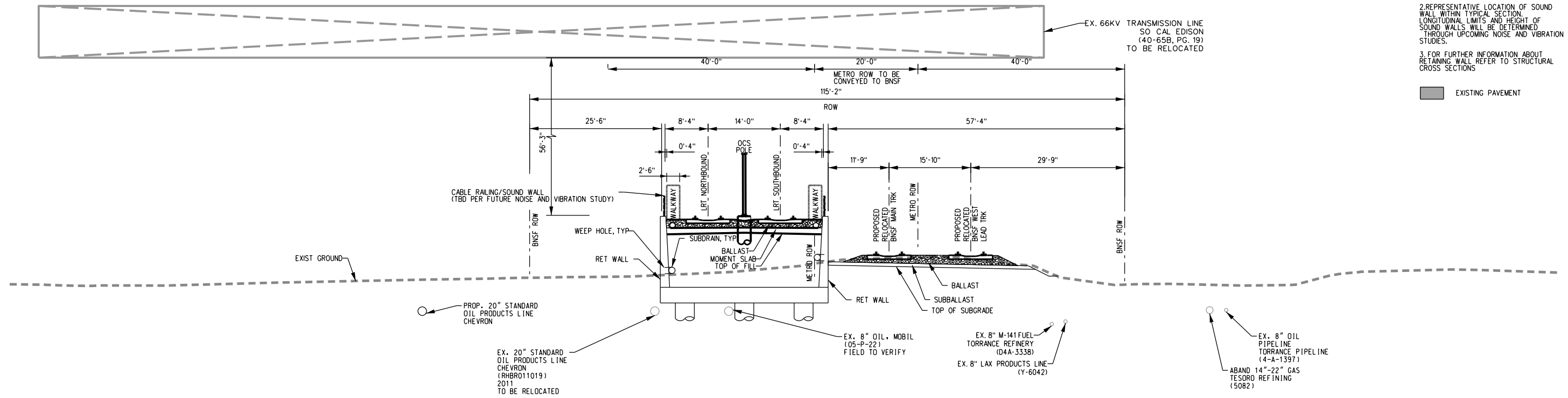
SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 HAWTHORNE OPTION
 CROSS SECTIONS
 SHEET 13 OF 15

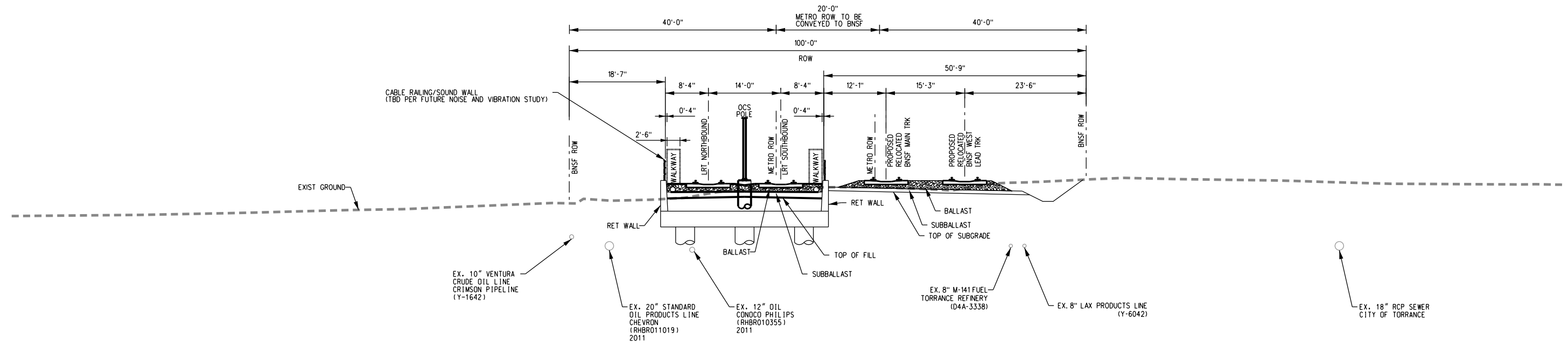
CONTRACT NO. AE63445001	
DRAWING NO. TC-713	
REVISION	SHEET NO.
SCALE	AS SHOWN

- NOTES:
1. ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE LOCATION AND DEPTHS WILL BE CONFIRMED BY SITE INVESTIGATION FOR FUTURE UPDATE WHERE NECESSARY.
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 3. FOR FURTHER INFORMATION ABOUT RETAINING WALL REFER TO STRUCTURAL CROSS SECTIONS.

EXISTING PAVEMENT



CROSS SECTION
RETAINED FILL SOUTH OF W 190 ST
SCALE 1"=10'
A1
T-714



CROSS SECTION
NORTH OF PRAIRE AVE
SCALE 1"=10'
B1
T-714

22.07.2022 13:11:06 Dominik.Stefanowski pw\l\aedcom-eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD-GIS\910-CAD_20-SHEETS\ALIGNMENT_OPTION_2vs2B\TC4-601

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REV.	DATE	BY	SUB.	APP.

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CHECKED BY
A. BOONE

APPROVED BY
M. E. ALFONSO

DATE
07/22/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

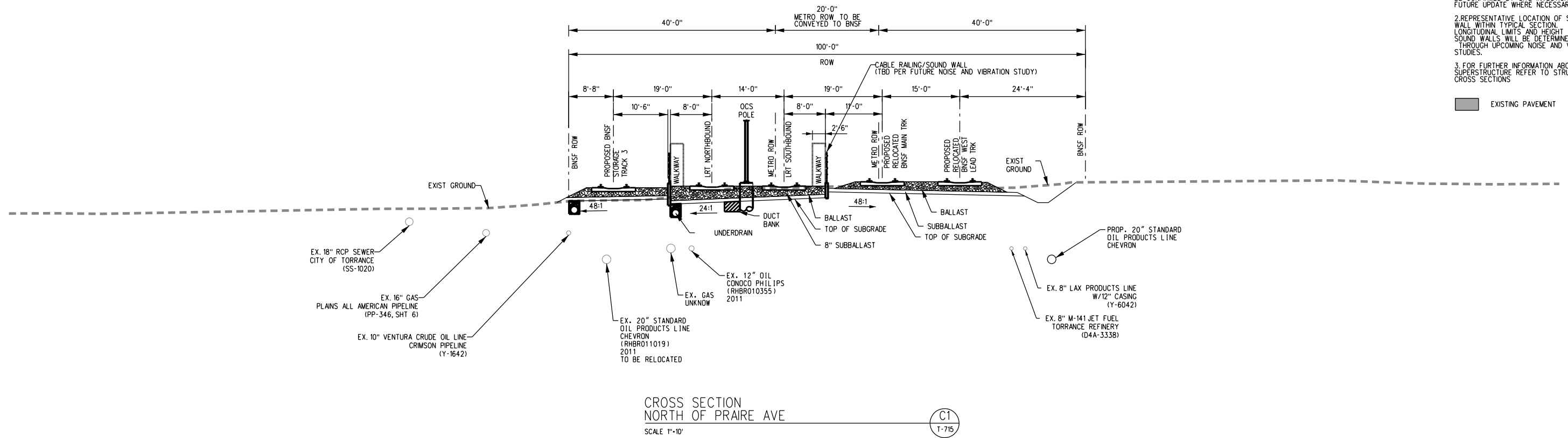
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION
CROSS SECTIONS
SHEET 14 OF 15

CONTRACT NO. AE63445001	
DRAWING NO. TC-714	
REVISION	SHEET NO.
SCALE	AS SHOWN

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EXISTING PAVEMENT



CROSS SECTION NORTH OF PRAIRE AVE
 SCALE 1"=10' (C1 T-715)

NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

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D. VILARINO
 CHECKED BY
A. BOONE
 APPROVED BY
M. E. ALFONSO
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07/22/2022

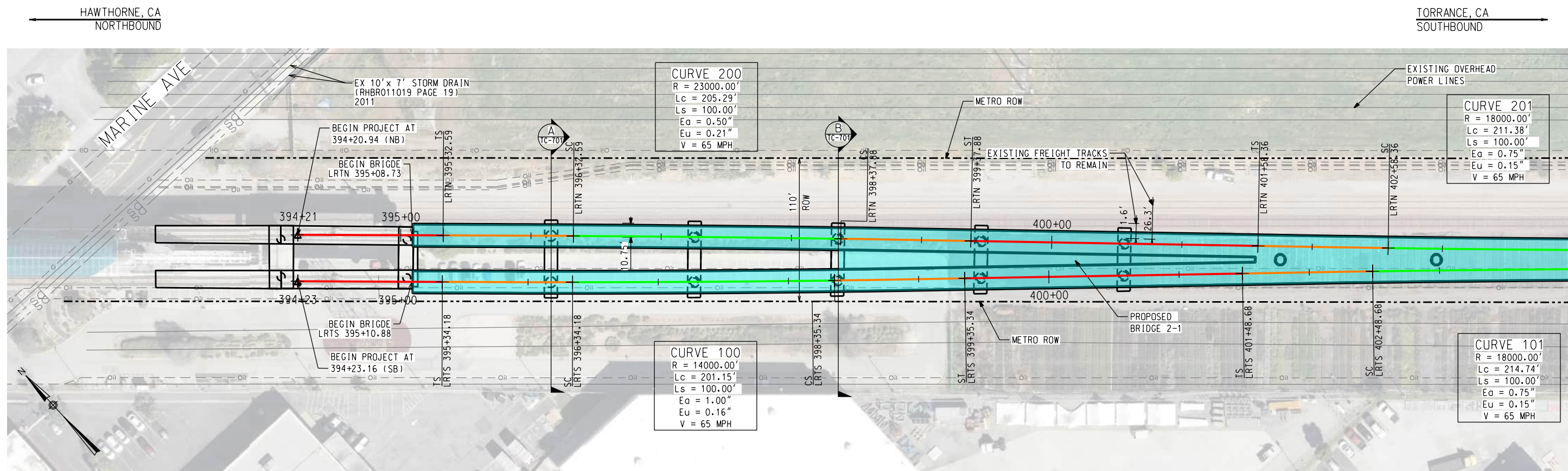
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 HAWTHORNE OPTION
 CROSS SECTIONS
 SHEET 15 OF 15

CONTRACT NO. AE63445001	
DRAWING NO. TC-715	
REVISION	SHEET NO.
SCALE	AS SHOWN

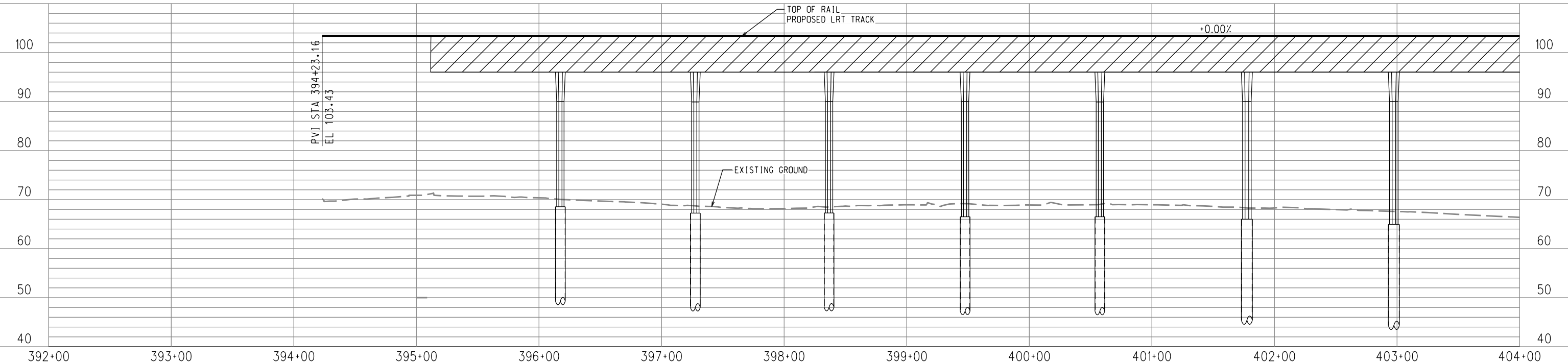
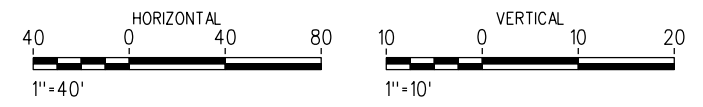
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- TRACK LEGEND**
- PROPOSED TANGENT TRACK
 - PROPOSED SPIRAL TRACK
 - PROPOSED CURVE TRACK
 - PROPOSED FREIGHT TRACK
 - PROPOSED PROJECT ALIGNMENT

- ROW
- POTENTIAL BUILDING IMPACT
- PROPOSED RETAINED FILL
- PROPOSED ELEVATED GUIDEWAY OR BRIDGE

PLAN



PROFILE SOUTHBOUND LRT

NOT FOR CONSTRUCTION		REV.	DATE	BY	SUB.	APP.

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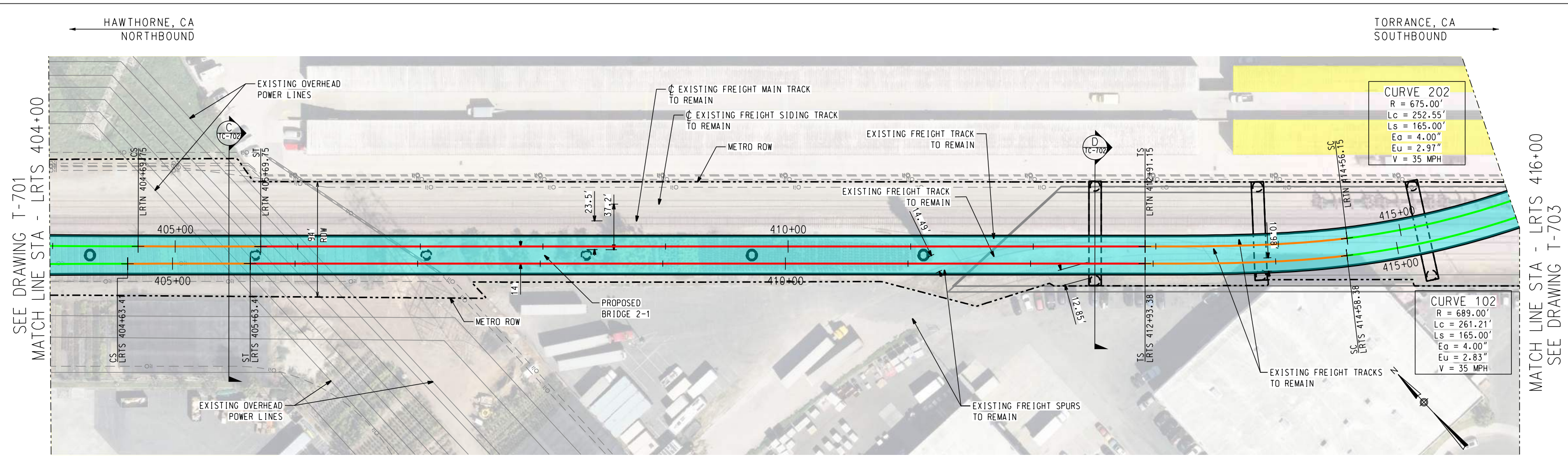
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 HAWTHORNE OPTION TRACK PLAN & PROFILE
 LRTS 394+23 TO LRTS 404+00
 SHEET 1 OF 15

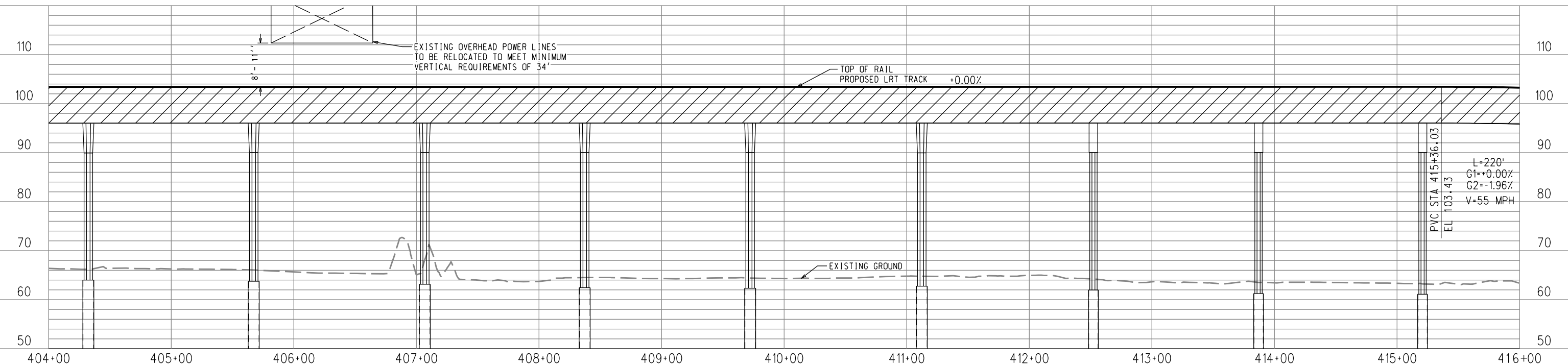
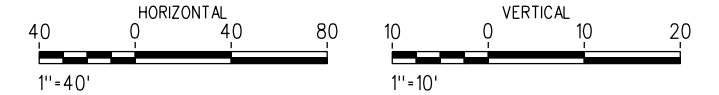
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REVISION	SHEET NO.
SCALE	AS SHOWN

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- TRACK LEGEND**
- PROPOSED TANGENT TRACK
 - PROPOSED SPIRAL TRACK
 - PROPOSED CURVE TRACK
 - PROPOSED FREIGHT TRACK
 - PROPOSED PROJECT ALIGNMENT
 - ROW
 - POTENTIAL BUILDING IMPACT
 - PROPOSED RETAINED FILL
 - PROPOSED ELEVATED GUIDEWAY OR BRIDGE

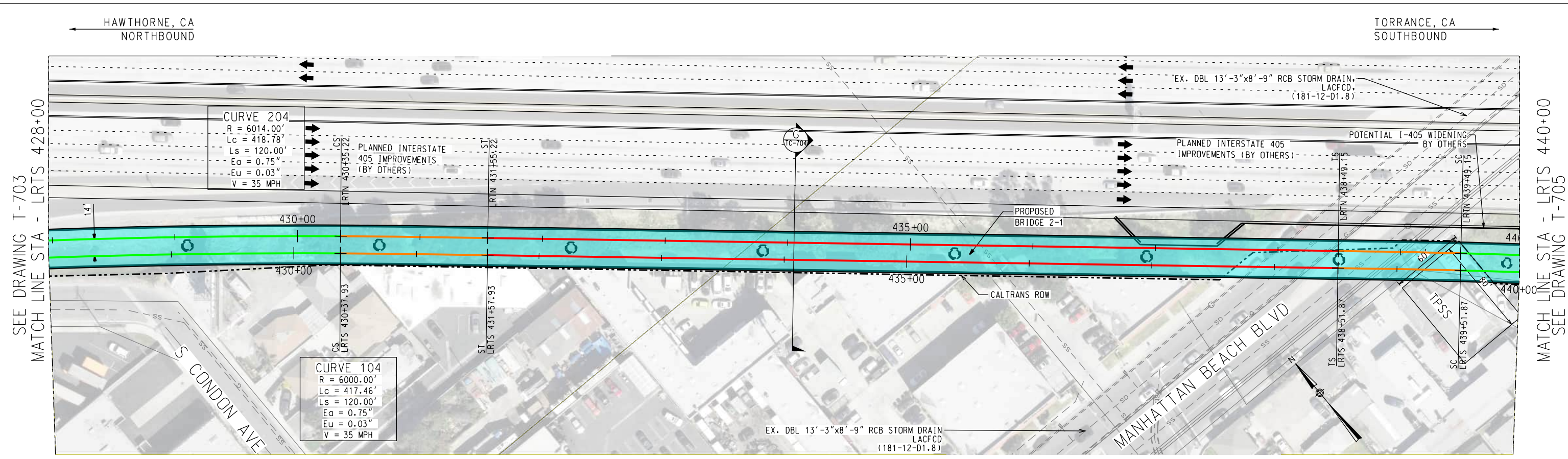
PLAN



PROFILE SOUTHBOUND LRT

NOT FOR CONSTRUCTION	INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished hereon shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.	DESIGNED BY J. ESPADERO DRAWN BY D. VILARINO CHECKED BY A. BOONE APPROVED BY M. E. ALFONSO DATE 07/22/2022	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY 	METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING HAWTHORNE OPTION TRACK PLAN & PROFILE LRTS 404+00 TO LRTS 416+00 SHEET 2 OF 15	CONTRACT NO. AE63445001 DRAWING NO. T-702 REVISION SHEET NO. SCALE AS SHOWN
	REV. DATE BY SUB. APP.	SUBMITTED: PROJECT MANAGER APPROVED:			

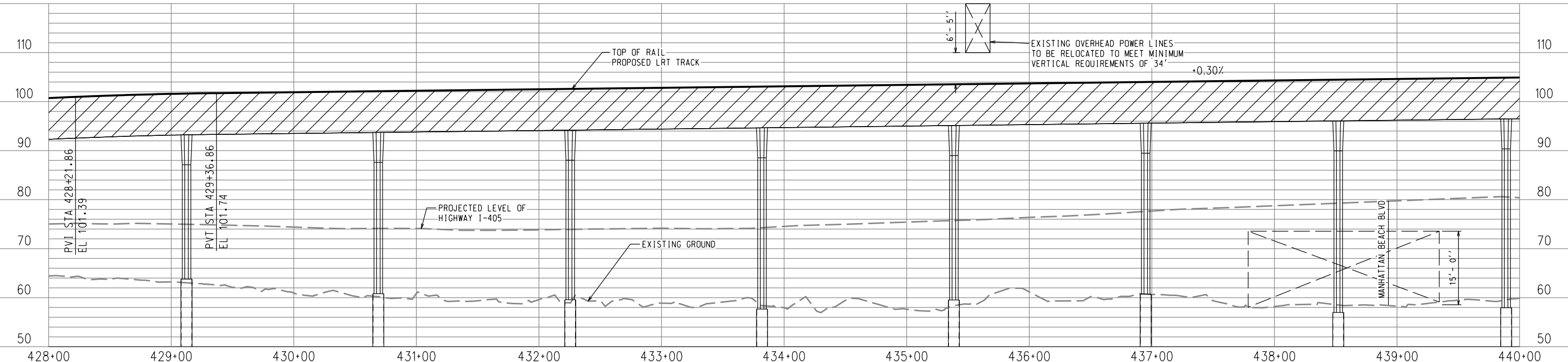
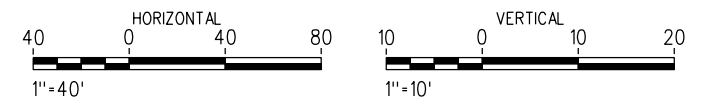
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- TRACK LEGEND**
- PROPOSED TANGENT TRACK
 - PROPOSED SPIRAL TRACK
 - PROPOSED CURVE TRACK
 - PROPOSED FREIGHT TRACK
 - PROPOSED PROJECT ALIGNMENT

- ROW
- POTENTIAL BUILDING IMPACT
- PROPOSED RETAINED FILL
- PROPOSED ELEVATED GUIDEWAY OR BRIDGE

PLAN



PROFILE SOUTHBOUND LRT

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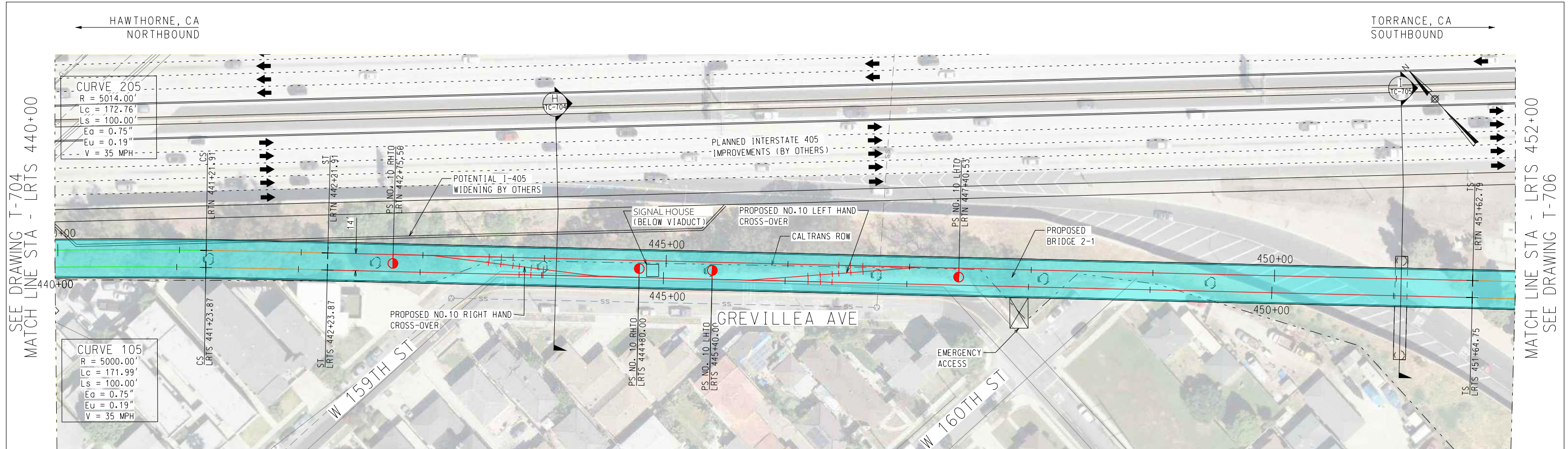
DESIGNED BY: J. ESPADERO
 DRAWN BY: D. VILARINO
 CHECKED BY: A. BOONE
 APPROVED BY: M. E. ALFONSO
 DATE: 07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

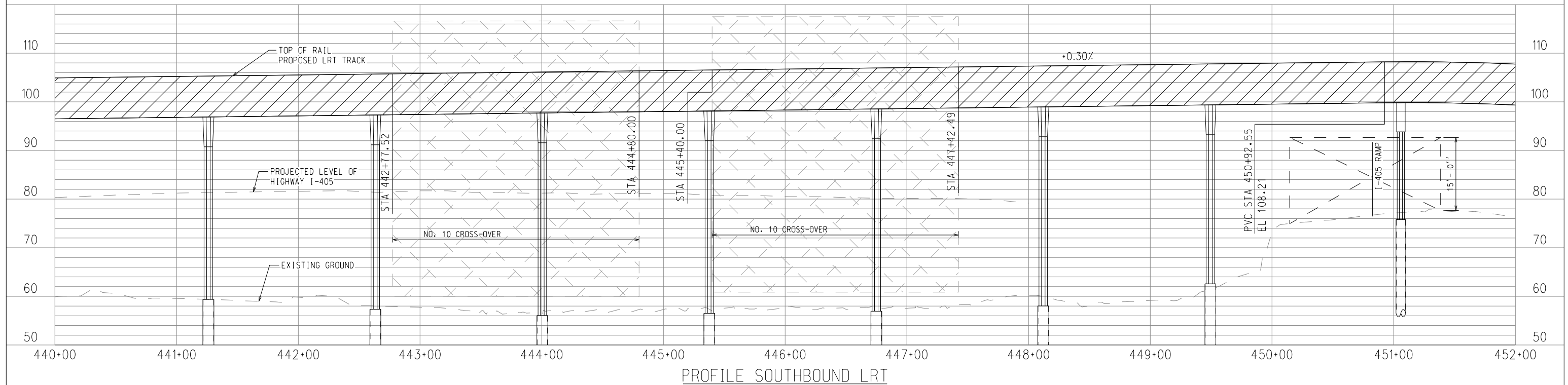
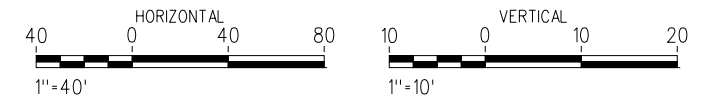
METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 HAWTHORNE OPTION TRACK PLAN & PROFILE
 LRTS 428+00 TO LRTS 440+00
 SHEET 4 OF 15

CONTRACT NO. AE63445001
 DRAWING NO. T-704
 REVISION SHEET NO.
 SCALE AS SHOWN



- TRACK LEGEND**
- PROPOSED TANGENT TRACK
 - PROPOSED SPIRAL TRACK
 - PROPOSED CURVE TRACK
 - PROPOSED FREIGHT TRACK
 - PROPOSED PROJECT ALIGNMENT
 - ROW
 - POTENTIAL BUILDING IMPACT
 - PROPOSED RETAINED FILL
 - PROPOSED ELEVATED GUIDEWAY OR BRIDGE

PLAN



PROFILE SOUTHBOUND LRT

<p style="font-size: 2em; opacity: 0.5;">NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herein shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>	
		<p>DESIGNED BY J. ESPADERO</p> <p>DRAWN BY D. VILARINO</p> <p>CHECKED BY A. BOONE</p> <p>APPROVED BY M. E. ALFONSO</p> <p>DATE 12/09/2022</p>	<p>DATE</p>
REV.	DATE	BY	SUB. APP.

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

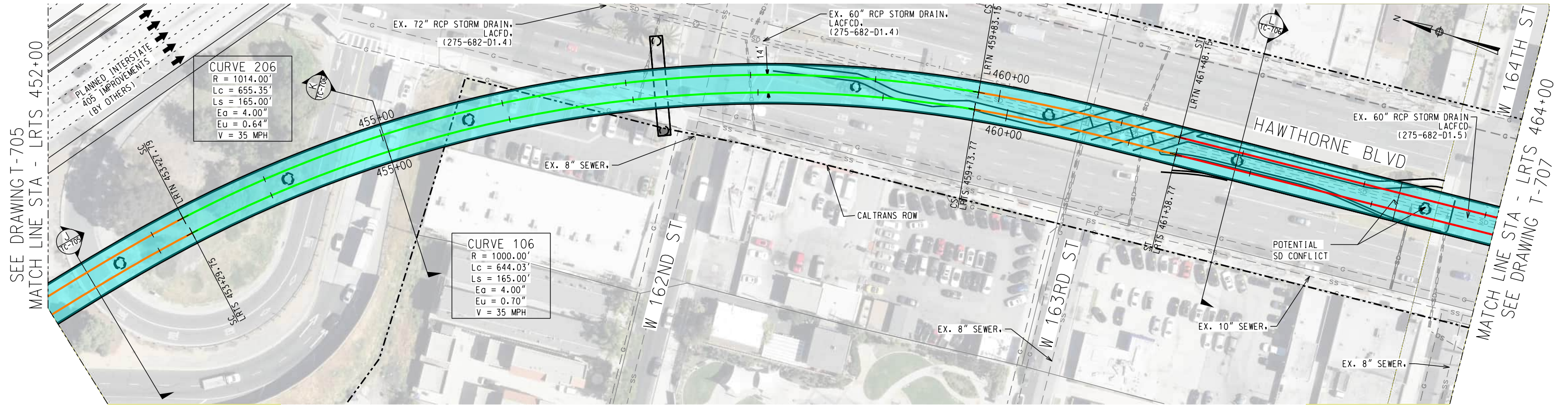
SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 HAWTHORNE OPTION TRACK PLAN & PROFILE
 LRTS 440+00 TO LRTS 452+00
 SHEET 5 OF 15

CONTRACT NO. AE63445001	
DRAWING NO. T-705	
REVISION	SHEET NO.
SCALE	AS SHOWN

HAWTHORNE, CA
NORTHBOUND

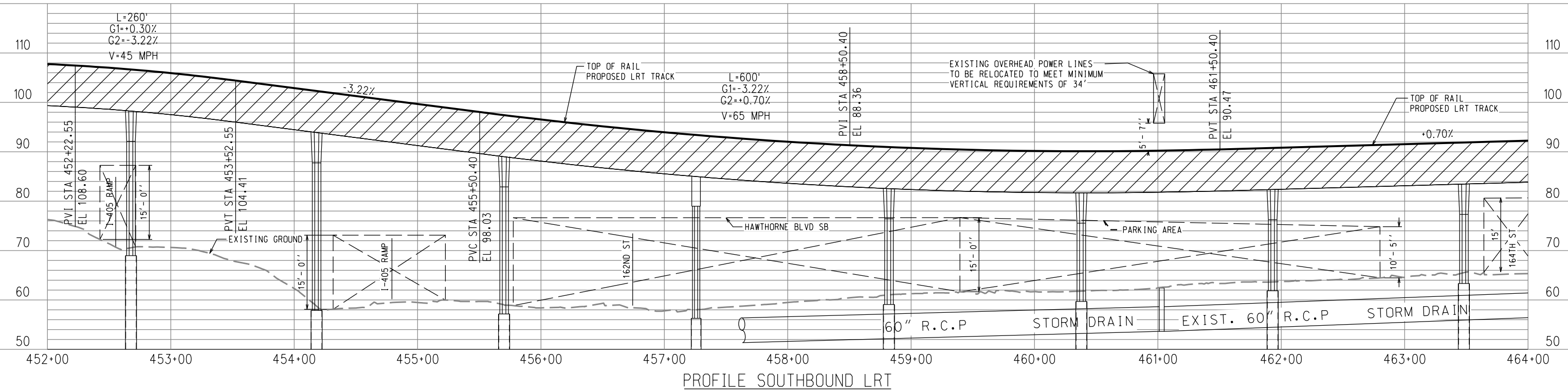
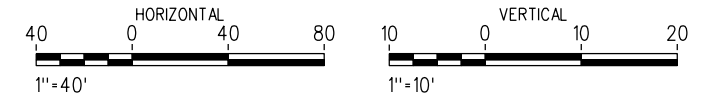
TORRANCE, CA
SOUTHBOUND



- TRACK LEGEND**
- PROPOSED TANGENT TRACK
 - PROPOSED SPIRAL TRACK
 - PROPOSED CURVE TRACK
 - PROPOSED FREIGHT TRACK
 - PROPOSED PROJECT ALIGNMENT

- ROW
- POTENTIAL BUILDING IMPACT
- PROPOSED RETAINED FILL
- PROPOSED ELEVATED GUIDEWAY OR BRIDGE

PLAN



PROFILE SOUTHBOUND LRT

NOT FOR CONSTRUCTION

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DESIGNED BY: J. ESPADERO
DRAWN BY: D. VILARINO
CHECKED BY: A. BOONE
APPROVED BY: M. E. ALFONSO
DATE: 07/22/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION TRACK PLAN & PROFILE
LRTS 452+00 TO LRTS 464+00
SHEET 6 OF 15

CONTRACT NO. AE63445001	
DRAWING NO. T-706	
REVISION	SHEET NO.
SCALE	AS SHOWN

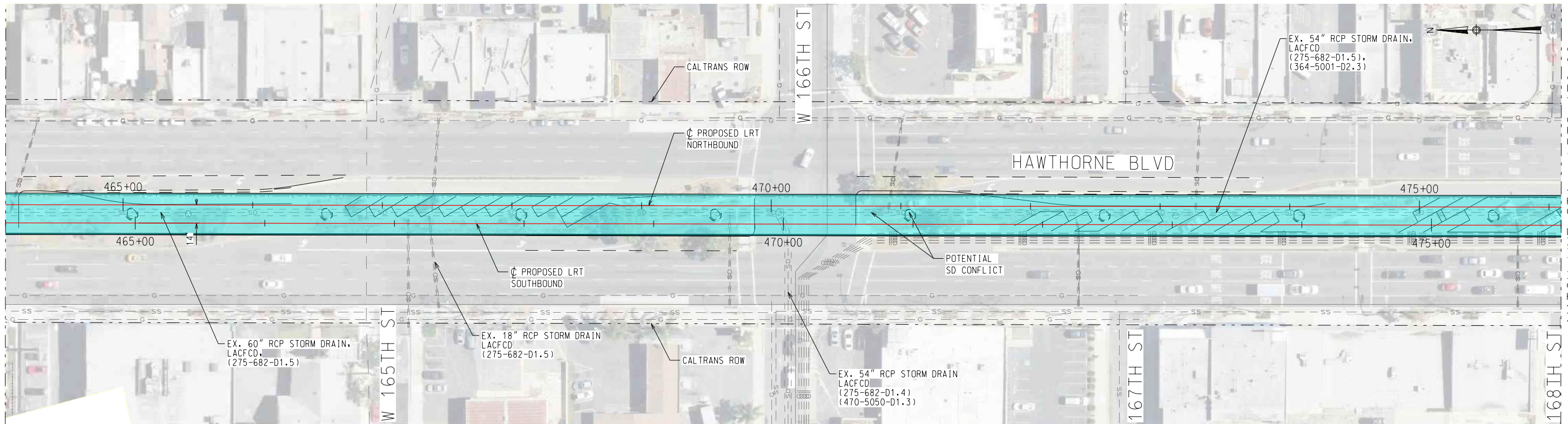
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HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND

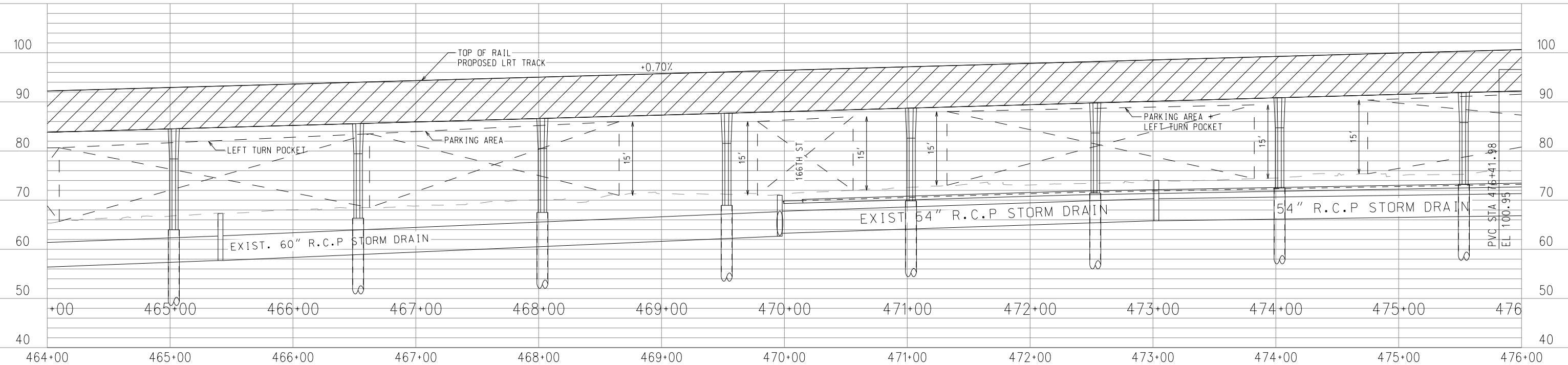
SEE DRAWING T-706
MATCH LINE STA - LRTS 464+00

MATCH LINE STA - LRTS 476+00
SEE DRAWING T-708



- TRACK LEGEND**
- PROPOSED TANGENT TRACK
 - PROPOSED SPIRAL TRACK
 - PROPOSED CURVE TRACK
 - PROPOSED FREIGHT TRACK
 - PROPOSED PROJECT ALIGNMENT
- ROW**
- POTENTIAL BUILDING IMPACT
 - PROPOSED RETAINED FILL
 - PROPOSED ELEVATED GUIDEWAY OR BRIDGE

PLAN



PROFILE SOUTHBOUND LRT

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DESIGNED BY: J. ESPADERO
DRAWN BY: D. VILARINO
CHECKED BY: A. BOONE
APPROVED BY: M. E. ALFONSO
DATE: 12/09/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

Metro

STV 100 Years **AECOM**

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

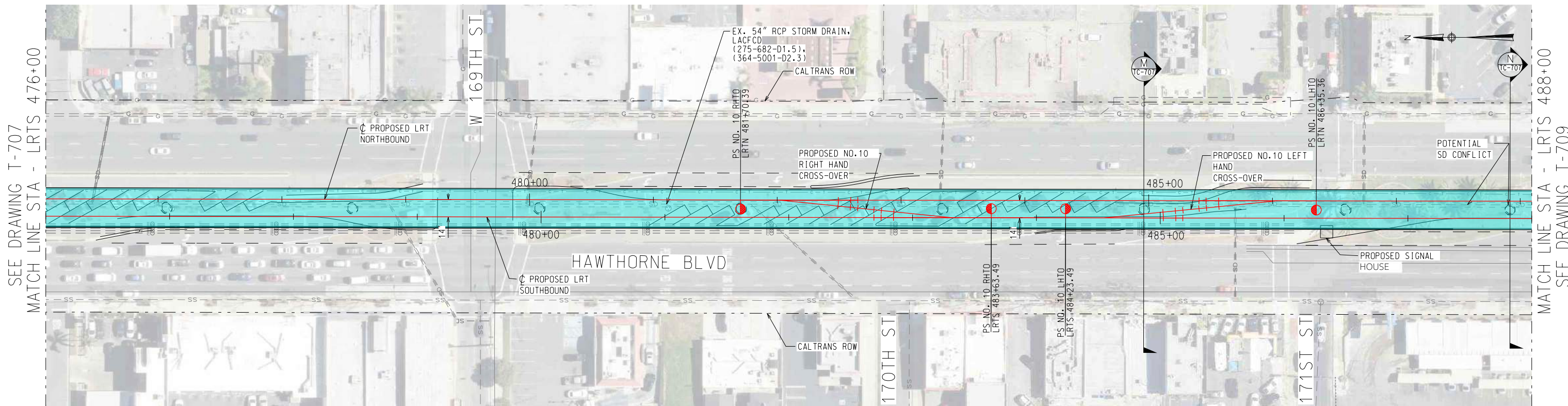
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION TRACK PLAN & PROFILE
LRTS 464+00 TO LRTS 476+00
SHEET 7 OF 15

CONTRACT NO. AE63445001
DRAWING NO. T-707
REVISION SHEET NO.
SCALE AS SHOWN

\$USER\$
 \$TIME\$
 \$DATE\$
 \$FILE\$

HAWTHORNE, CA
NORTHBOUND

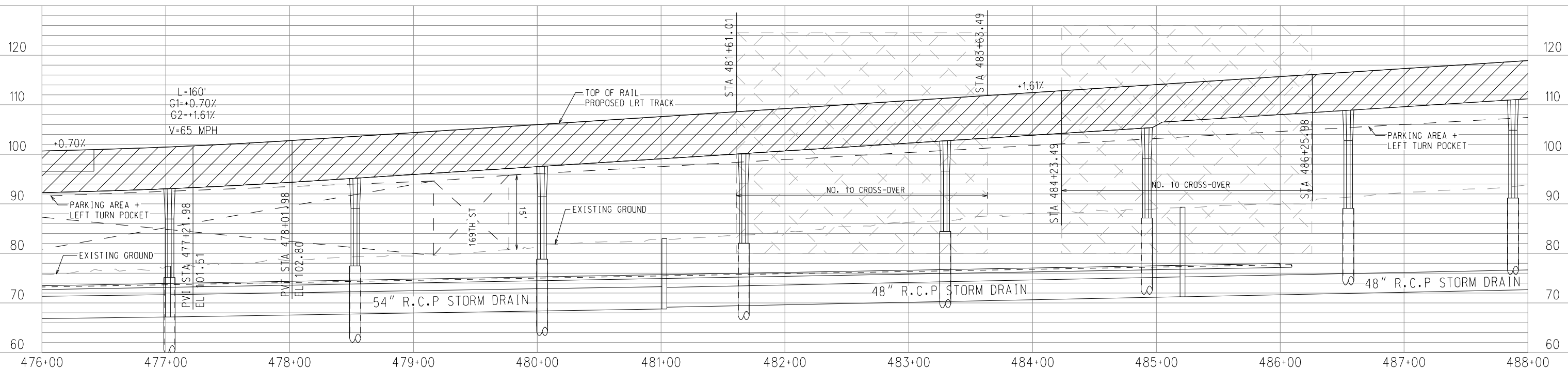
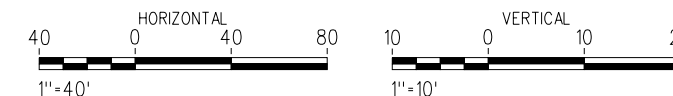
TORRANCE, CA
SOUTHBOUND



- TRACK LEGEND**
- PROPOSED TANGENT TRACK
 - PROPOSED SPIRAL TRACK
 - PROPOSED CURVE TRACK
 - PROPOSED FREIGHT TRACK
 - PROPOSED PROJECT ALIGNMENT

- ROW
- POTENTIAL BUILDING IMPACT
- PROPOSED RETAINED FILL
- PROPOSED ELEVATED GUIDEWAY OR BRIDGE

PLAN



PROFILE SOUTHBOUND LRT

NOT FOR CONSTRUCTION

INFORMATION CONFIDENTIAL:
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DESIGNED BY
J. ESPADERO

DRAWN BY
D. VILARINO

CHECKED BY
A. BOONE

APPROVED BY
M. E. ALFONSO

DATE
12/09/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

STV 100 Years

AECOM

SUBMITTED: _____ PROJECT MANAGER

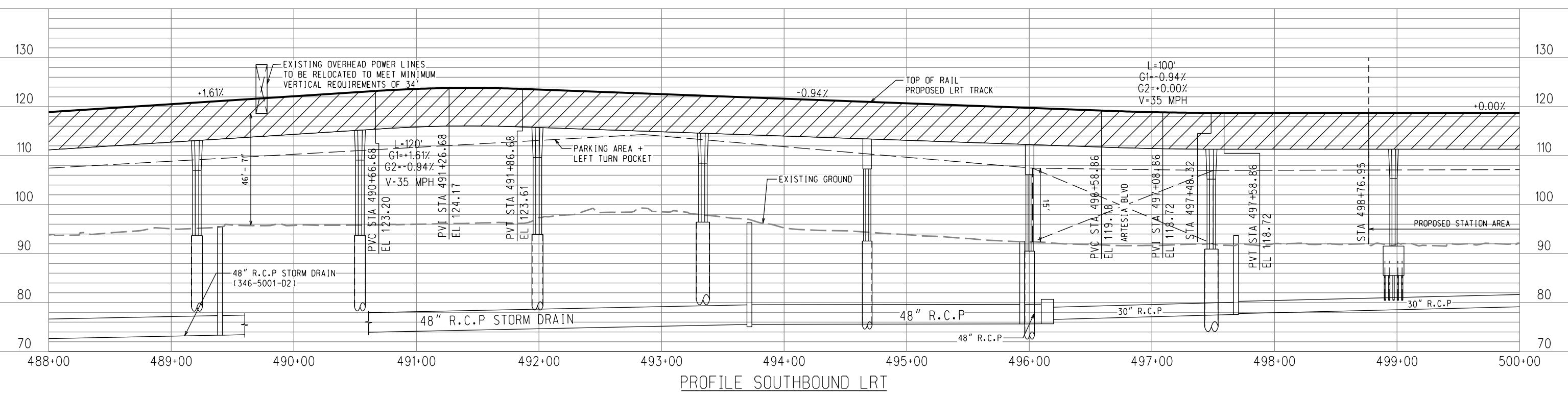
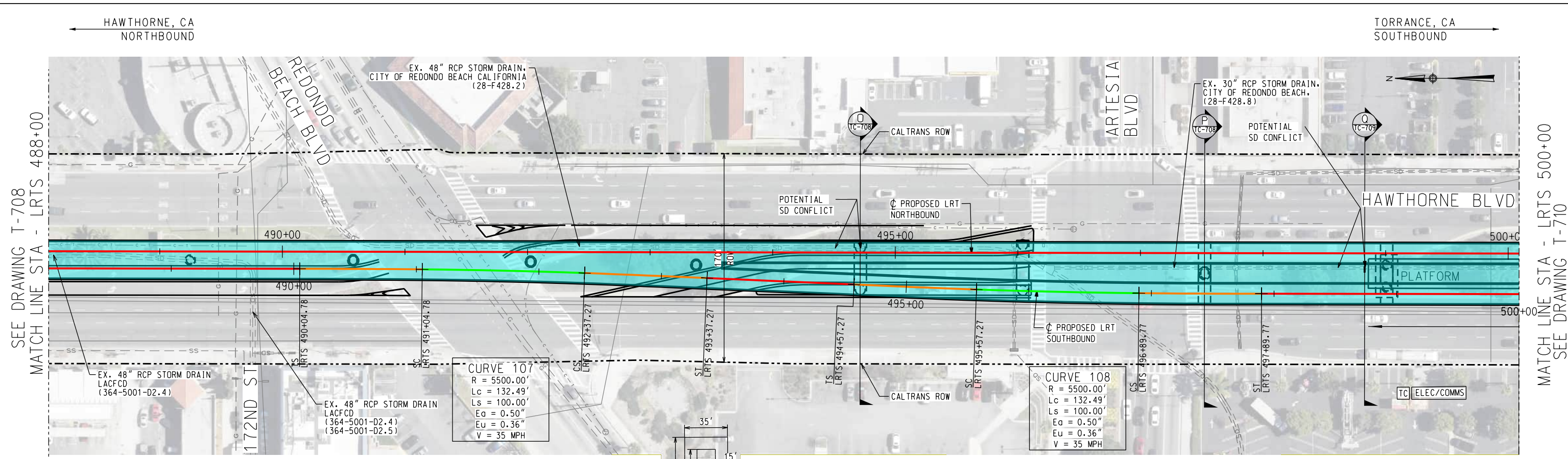
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION TRACK PLAN & PROFILE
LRTS 476+00 TO LRTS 488+00
SHEET 8 OF 15

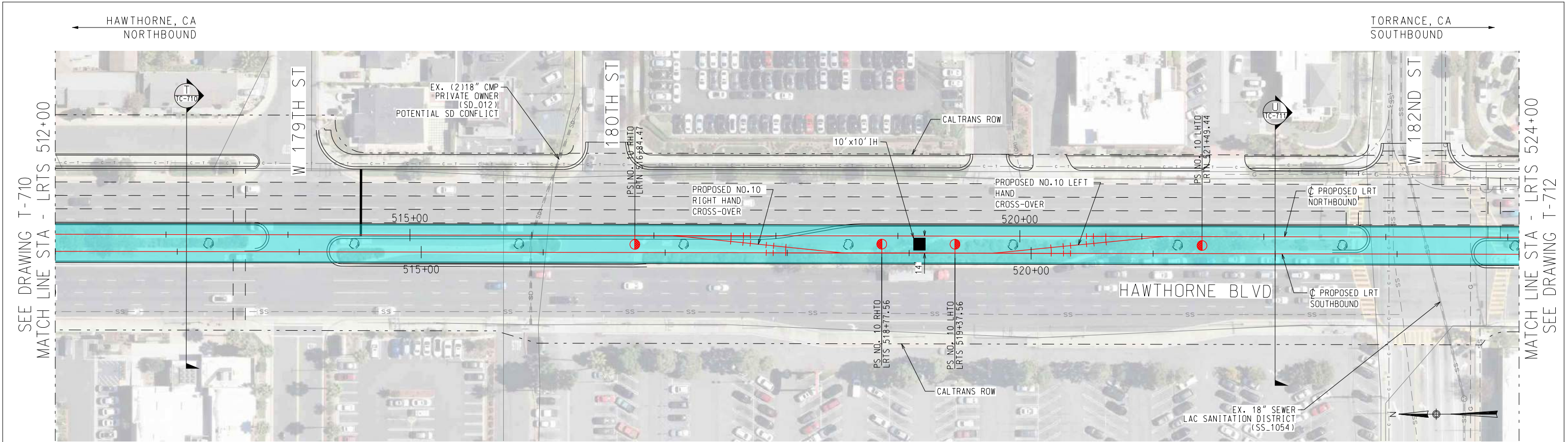
CONTRACT NO. AE63445001	
DRAWING NO. T-708	
REVISION	SHEET NO.
SCALE	AS SHOWN

\$USER\$
 \$TIME\$
 \$DATE\$
 \$FILE\$

22.07.2022 16:25:11 pw\l\abcom-eu-pw.bentley.com\AECOM\DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD-GIS\910-CAD-SHEETS\ALIGNMENT_OPTION_2E\T4-709.sht

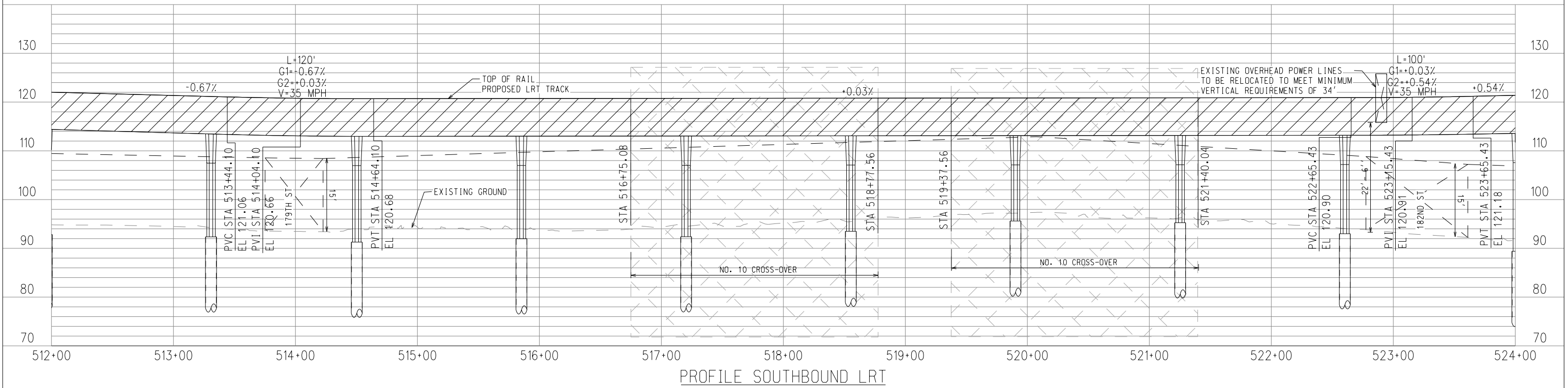
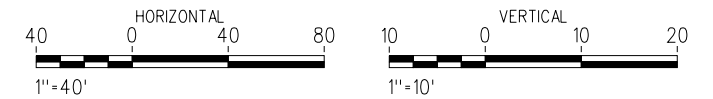


<p>NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished hereafter shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>	DESIGNED BY J. ESPADERO	<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p> <p>Metro</p>	<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING HAWTHORNE OPTION TRACK PLAN & PROFILE LRTS 488+00 TO LRTS 500+00 SHEET 9 OF 15</p>	CONTRACT NO. AE63445001 DRAWING NO. T-709
			DRAWN BY D. VILARINO			REVISION SHEET NO.
CHECKED BY A. BOONE	APPROVED BY M. E. ALFONSO	DATE 07/22/2022	SUBMITTED: _____ PROJECT MANAGER	APPROVED: _____	SCALE AS SHOWN	



- TRACK LEGEND**
- PROPOSED TANGENT TRACK
 - PROPOSED SPIRAL TRACK
 - PROPOSED CURVE TRACK
 - PROPOSED FREIGHT TRACK
 - PROPOSED PROJECT ALIGNMENT
 - ROW
 - POTENTIAL BUILDING IMPACT
 - PROPOSED RETAINED FILL
 - PROPOSED ELEVATED GUIDEWAY OR BRIDGE

PLAN



PROFILE SOUTHBOUND LRT

NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

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DESIGNED BY: J. ESPADERO
 DRAWN BY: D. VILARINO
 CHECKED BY: A. BOONE
 APPROVED BY: M. E. ALFONSO
 DATE: 12/09/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

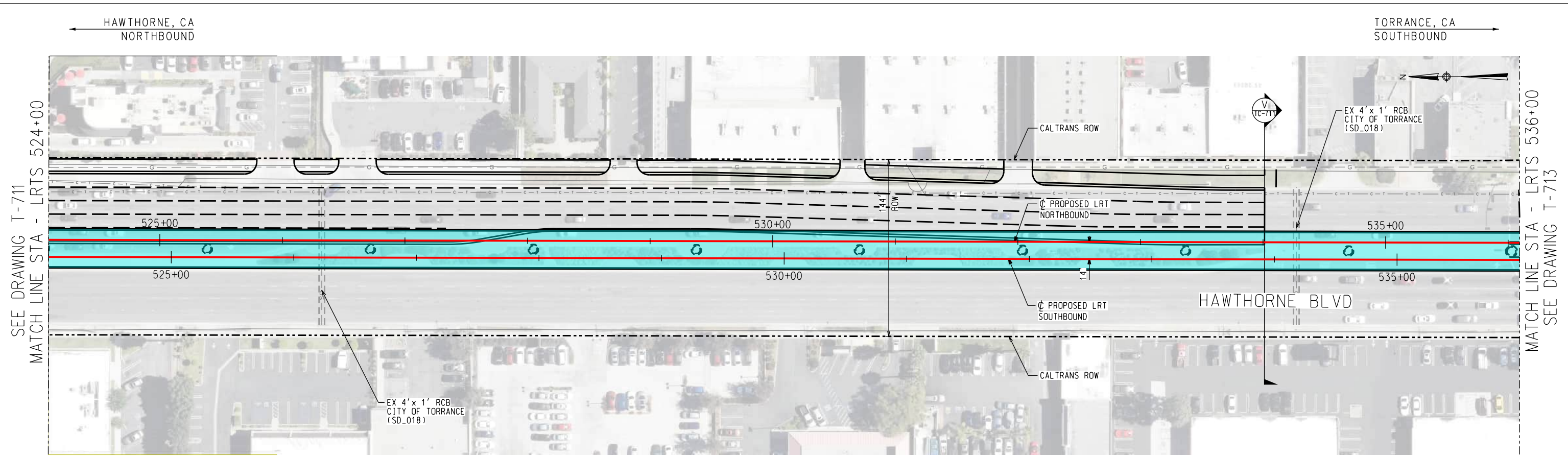
SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 HAWTHORNE OPTION TRACK PLAN & PROFILE
 LRTS 512+00 TO LRTS 524+00
 SHEET 11 OF 15

CONTRACT NO. AE63445001
 DRAWING NO. T-711
 REVISION SHEET NO.
 SCALE AS SHOWN

\$USERNAME\$
 \$TIMES\$
 \$DATES\$
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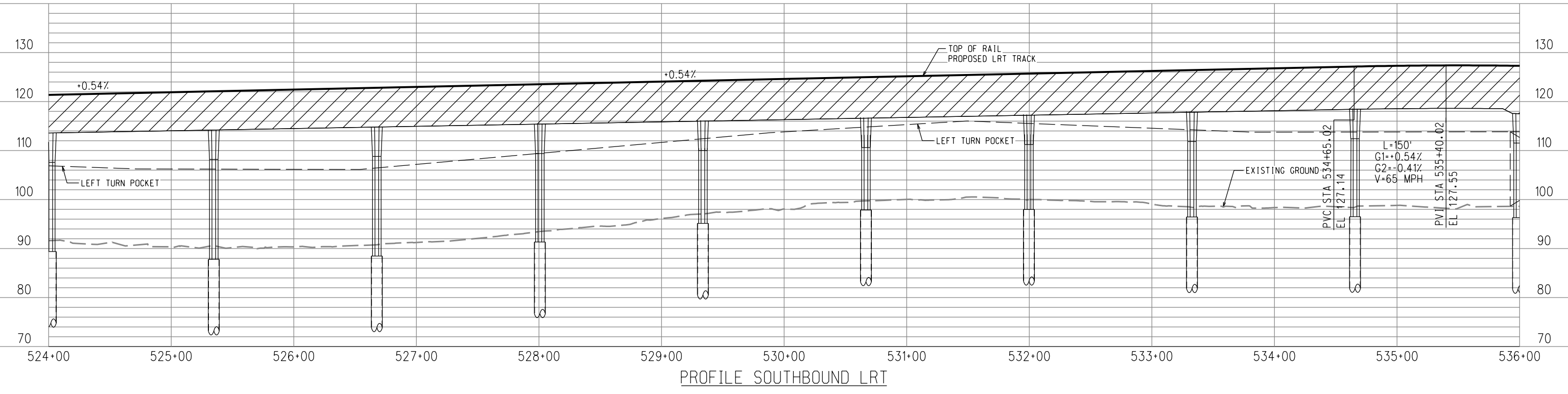
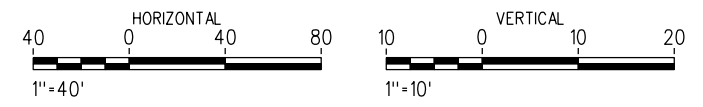
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- TRACK LEGEND**
- PROPOSED TANGENT TRACK
 - PROPOSED SPIRAL TRACK
 - PROPOSED CURVE TRACK
 - PROPOSED FREIGHT TRACK
 - PROPOSED PROJECT ALIGNMENT

- ROW
- POTENTIAL BUILDING IMPACT
- PROPOSED RETAINED FILL
- PROPOSED ELEVATED GUIDEWAY OR BRIDGE

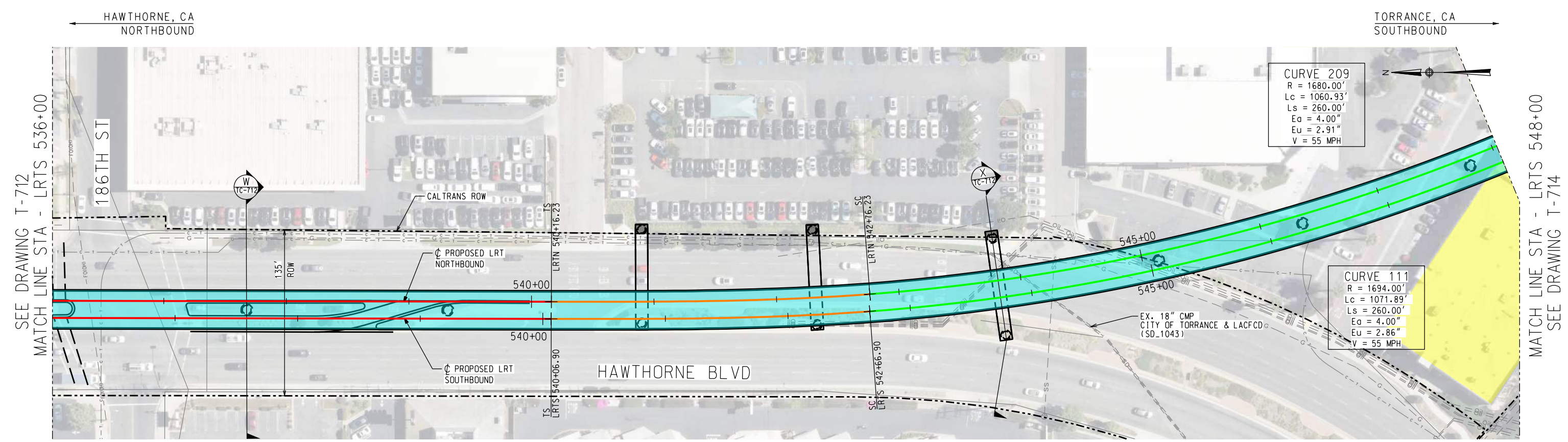
PLAN



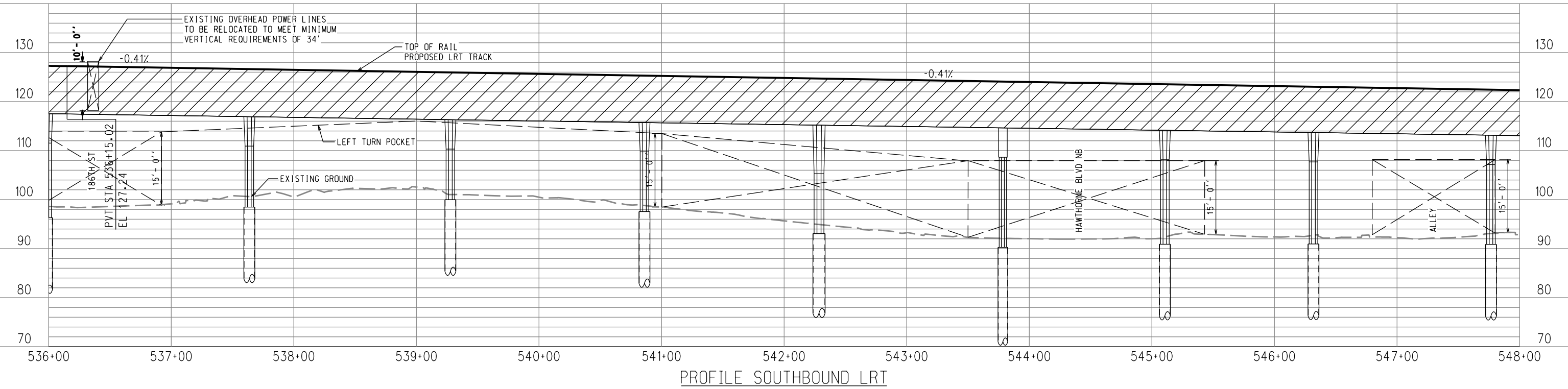
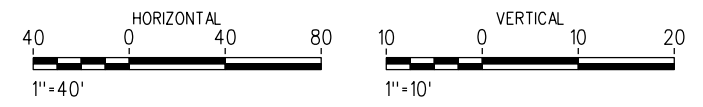
PROFILE SOUTHBOUND LRT

NOT FOR CONSTRUCTION		INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.		DESIGNED BY J. ESPADERO DRAWN BY D. VILARINO CHECKED BY A. BOONE APPROVED BY M. E. ALFONSO DATE 07/22/2022	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	 	METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING HAWTHORNE OPTION TRACK PLAN & PROFILE LRTS 524+00 TO LRTS 536+00 SHEET 12 OF 15	CONTRACT NO. AE63445001 DRAWING NO. T-712 REVISION SHEET NO. SCALE AS SHOWN
		SUBMITTED: _____ PROJECT MANAGER APPROVED: _____	BY _____ SUB. APP. _____					

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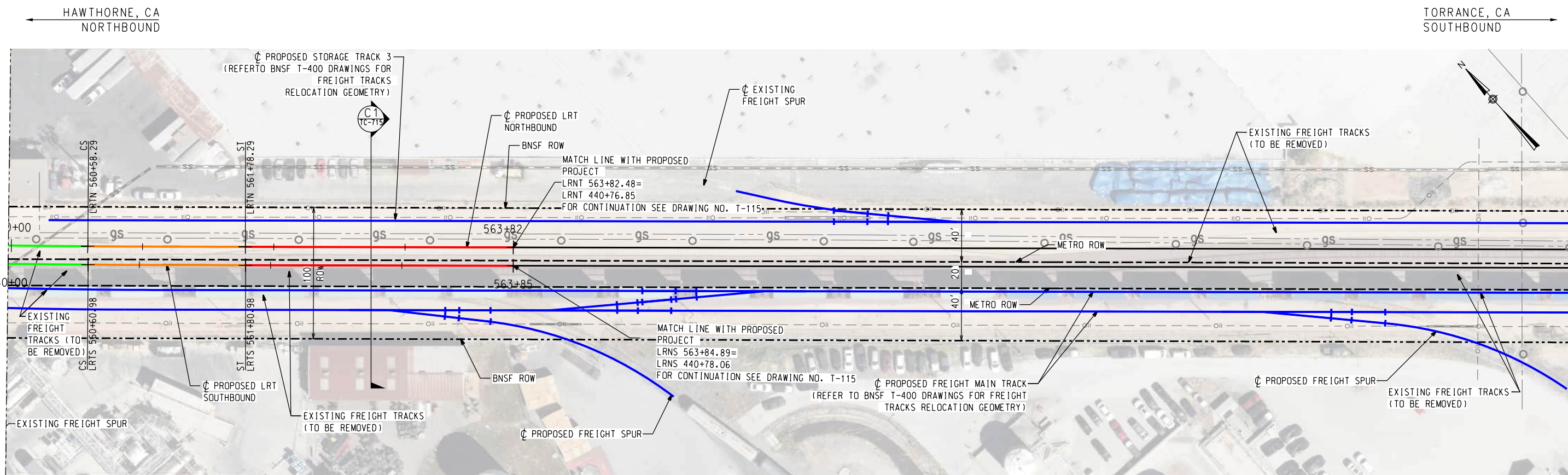
- TRACK LEGEND**
- PROPOSED TANGENT TRACK
 - PROPOSED SPIRAL TRACK
 - PROPOSED CURVE TRACK
 - PROPOSED FREIGHT TRACK
 - PROPOSED PROJECT ALIGNMENT
 - ROW
 - POTENTIAL BUILDING IMPACT
 - PROPOSED RETAINED FILL
 - PROPOSED ELEVATED GUIDEWAY OR BRIDGE



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		SUBMITTED: _____ PROJECT MANAGER APPROVED: _____	REV. DATE BY SUB. APP.					

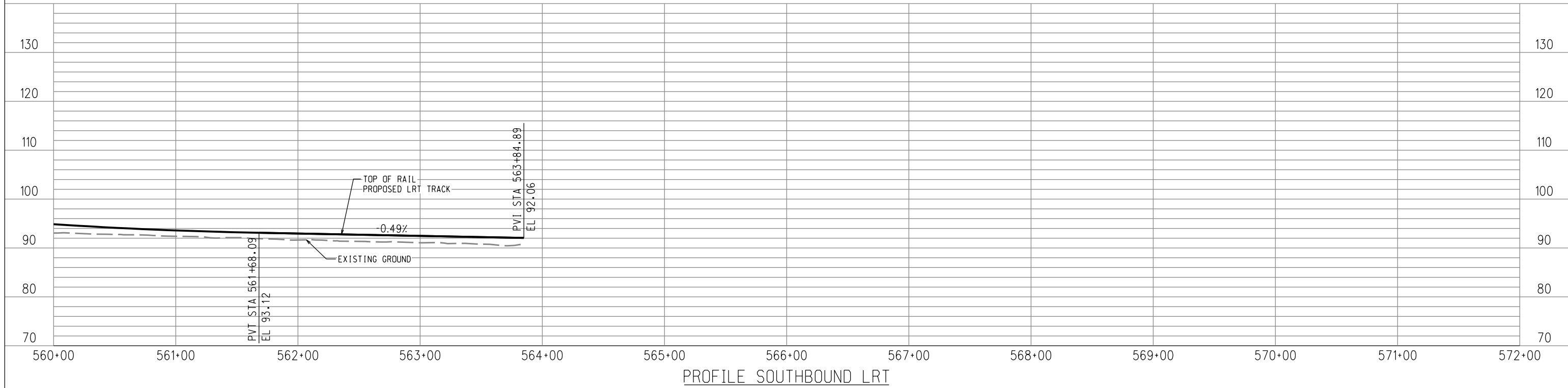
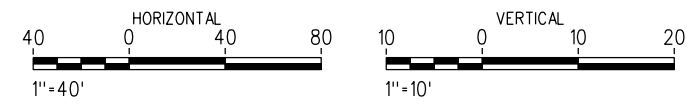
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SEE DRAWING T-714
MATCH LINE STA - LRTS 560+00



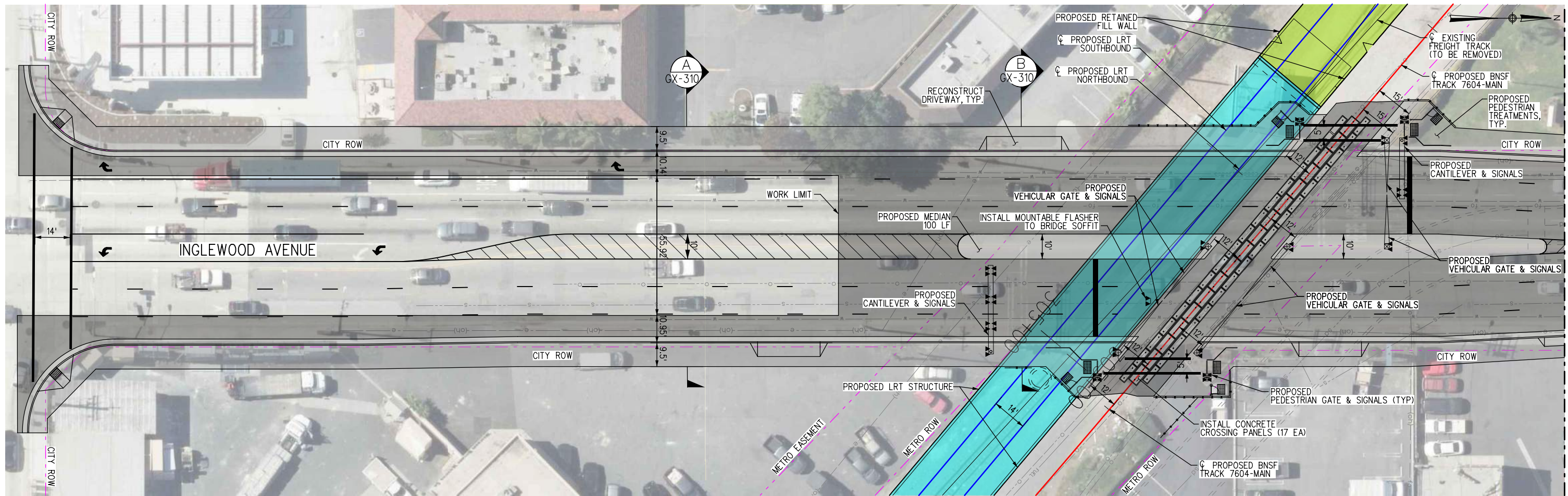
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|--|----------------------------|--|--------------------------------------|
| | PROPOSED TANGENT TRACK | | ROW |
| | PROPOSED SPIRAL TRACK | | POTENTIAL BUILDING IMPACT |
| | PROPOSED CURVE TRACK | | PROPOSED RETAINED FILL |
| | PROPOSED FREIGHT TRACK | | PROPOSED ELEVATED GUIDEWAY OR BRIDGE |
| | PROPOSED PROJECT ALIGNMENT | | |

PLAN

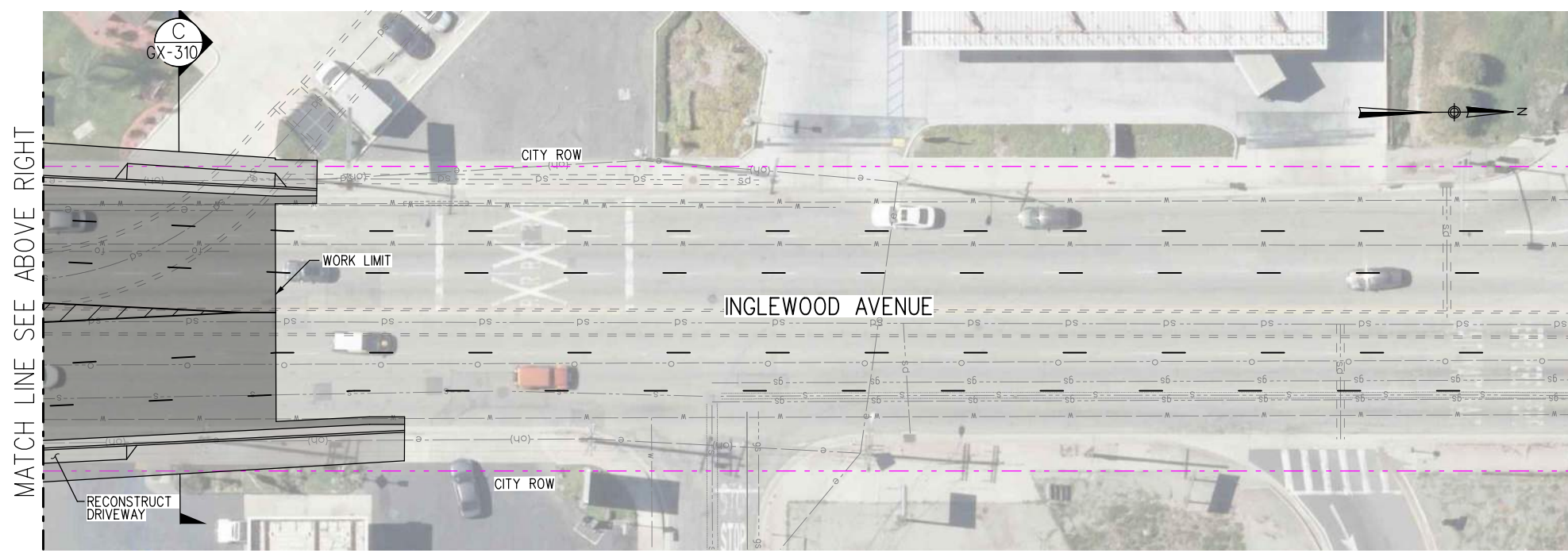


PROFILE SOUTHBOUND LRT

NOT FOR CONSTRUCTION	INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.	DESIGNED BY J. ESPADERO DRAWN BY D. VILARINO CHECKED BY A. BOONE APPROVED BY M. E. ALFONSO DATE 07/22/2022	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY 	METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING HAWTHORNE OPTION TRACK PLAN & PROFILE LRTS 560+00 TO LRTS 563+85 SHEET 15 OF 15	CONTRACT NO. AE63445001 DRAWING NO. T-715 REVISION SHEET NO. SCALE AS SHOWN
	SUBMITTED: _____ PROJECT MANAGER APPROVED: _____				

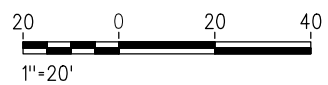


MATCH LINE SEE BELOW LEFT



MATCH LINE SEE ABOVE RIGHT

- LEGEND**
- NEW AC
 - NEW PCC
 - PROPOSED FREIGHT TRACK
 - PROPOSED LIGHT RAIL TRACK
 - EXISTING FREIGHT TRACK
 - PROPOSED RETAINED FILL WALL
 - PROPOSED LRT STRUCTURE



12/28/2022 5:38:36 PM gonzalezj I:\Projects\4020520\4020520_000\190_CAD Models and Sheets\04_C_Civil\Sheet Files\Crossings\GX-110.sht

NOT FOR CONSTRUCTION

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DESIGNED BY	J. TAMAYO
DRAWN BY	J. TAMAYO
CHECKED BY	J. GONZALEZ
APPROVED BY	A. SOKOL
DATE	12/9/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____

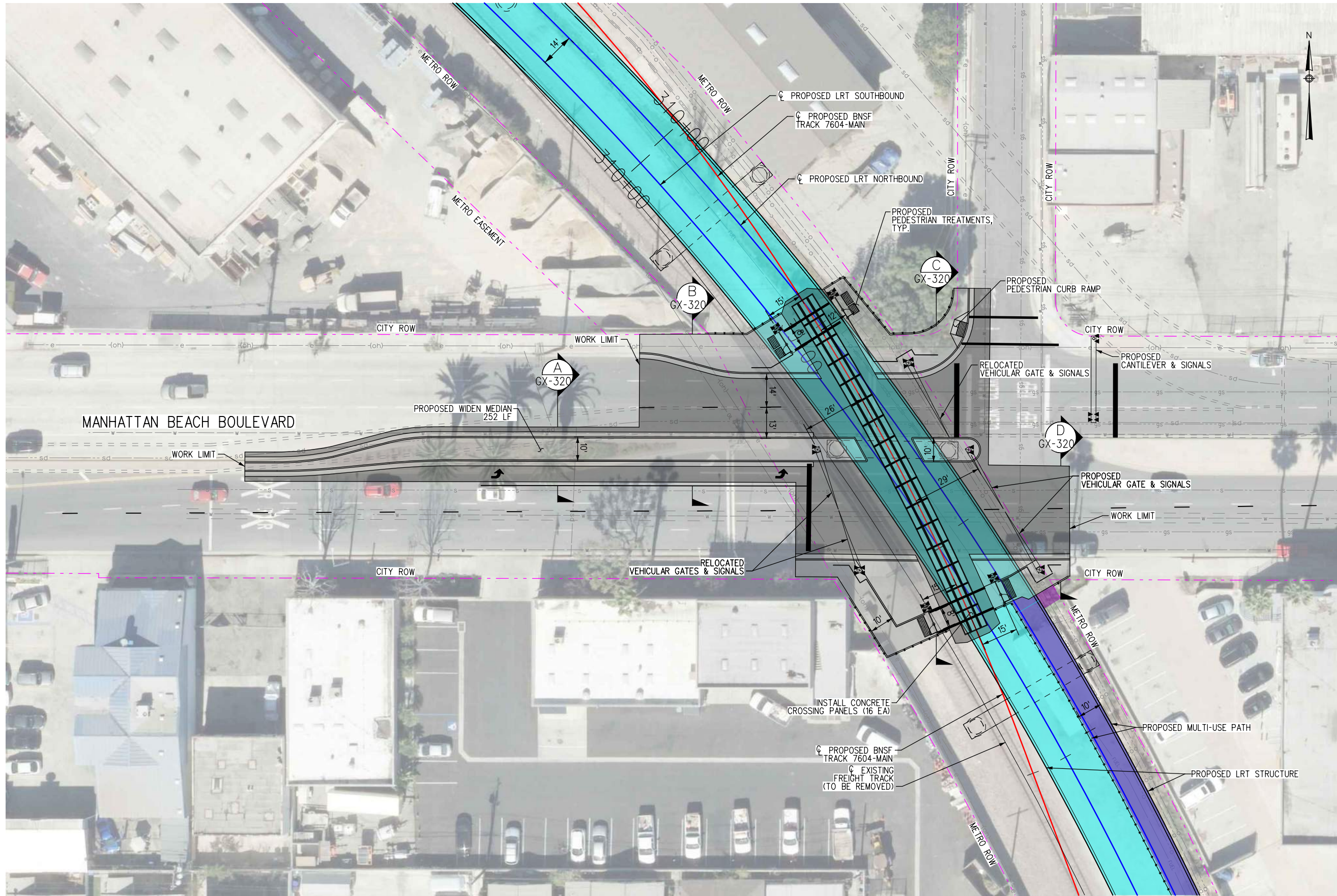
PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT
INGLEWOOD AVENUE
GRADE CROSSING PLAN

CONTRACT NO. AE63445001	
DRAWING NO. GX-110	
REVISION	SHEET NO.
SCALE	AS SHOWN

12/28/2022 5:38:40 PM gonzalezj
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LEGEND

- NEW AC
- NEW PCC
- PROPOSED FREIGHT TRACK
- PROPOSED LIGHT RAIL TRACK
- EXISTING FREIGHT TRACK
- PROPOSED LRT STRUCTURE
- PROPOSED MULTI-USE PATH (W/PED LIGHTING)

20 0 20 40
 1"=20'

NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

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DESIGNED BY	J. TAMAYO
DRAWN BY	J. TAMAYO
CHECKED BY	J. GONZALEZ
APPROVED BY	A. SOKOL
DATE	12/9/2022

LOS ANGELES COUNTY
 METROPOLITAN
 TRANSPORTATION AUTHORITY

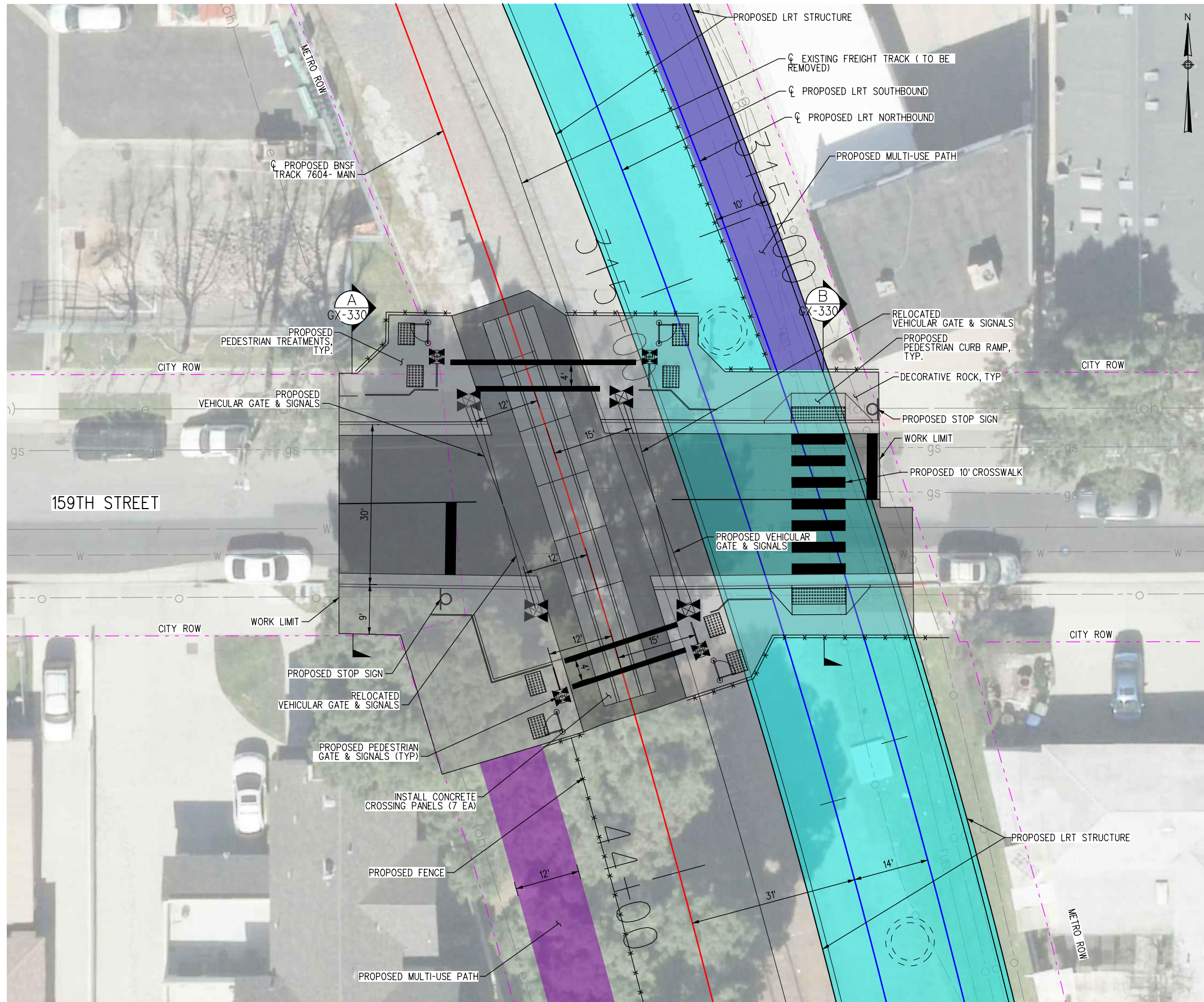
SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 PROPOSED PROJECT
 MANHATTAN BEACH BOULEVARD
 GRADE CROSSING PLAN

CONTRACT NO. AE63445001	
DRAWING NO. GX-120	
REVISION	SHEET NO.
SCALE	AS SHOWN



LEGEND

- NEW AC
- NEW PCC
- RELOCATED FREIGHT TRACK
- PROPOSED LIGHT RAIL TRACK
- EXISTING FREIGHT TRACK
- PROPOSED MULTI-USE PATH (W/PED LIGHTING)
- PROPOSED LRT STRUCTURE

10 0 10 20
1"=10'

12/28/2022 5:38:42 PM gonzalij I:\Projects\4020520\4020520_000\190_CAD Models and Sheets\04_C_Civil\Sheet Files\Crossings\GX-130.sht

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DESIGNED BY
J. TAMAYO

DRAWN BY
J. TAMAYO

CHECKED BY
J. GONZALEZ

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE

ADVANCED CONCEPTUAL ENGINEERING

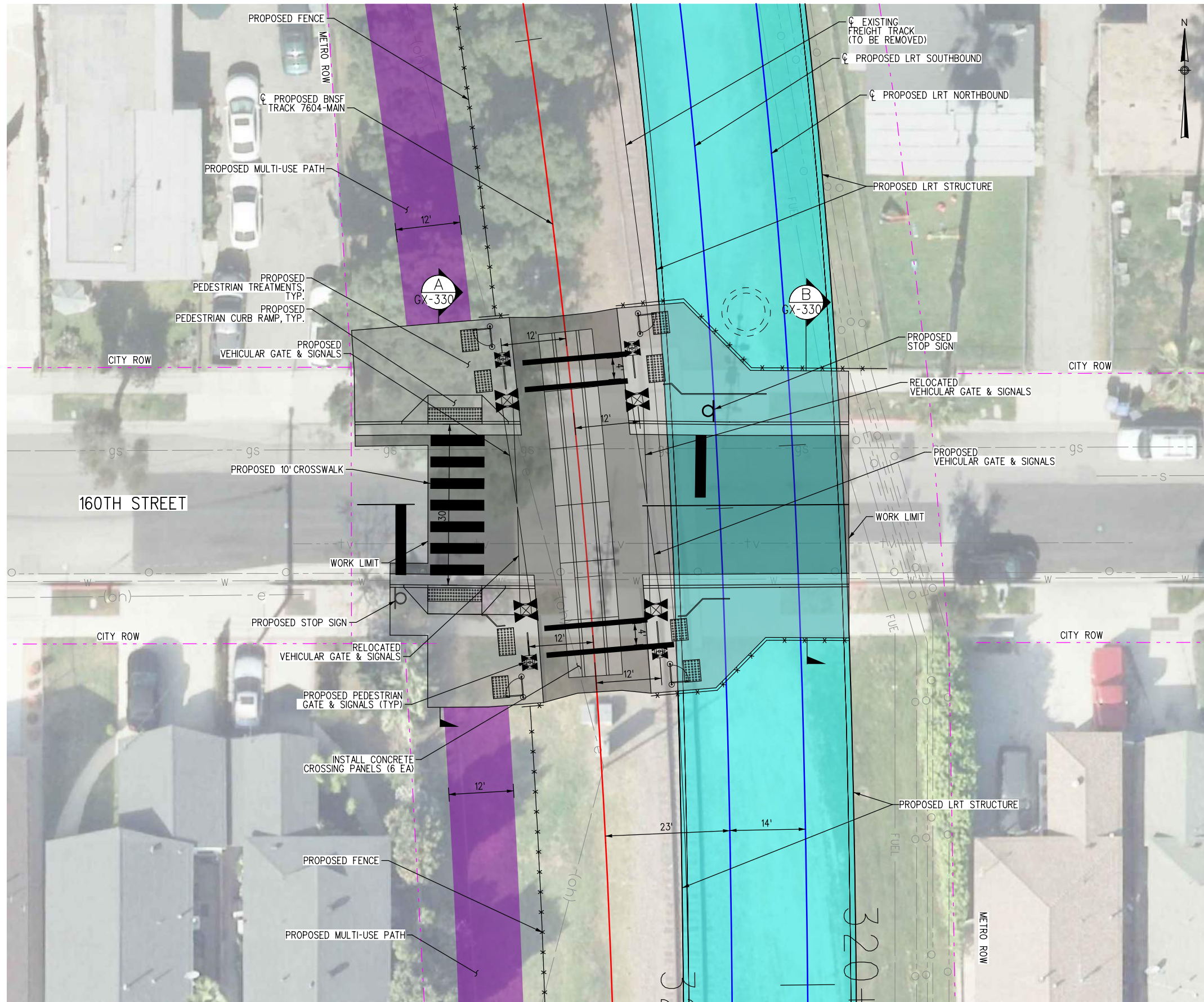
PROPOSED PROJECT

159TH STREET

GRADE CROSSING PLAN

CONTRACT NO. AE63445001	
DRAWING NO. GX-130	
REVISION	SHEET NO.
SCALE	AS SHOWN

12/28/2022 5:38:44 PM gonzalezj
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LEGEND

- NEW AC
- NEW PCC
- RELOCATED FREIGHT TRACK
- PROPOSED LIGHT RAIL TRACK
- EXISTING FREIGHT TRACK
- PROPOSED MULTI-USE PATH (W/PED LIGHTING)
- PROPOSED LRT STRUCTURE



NOT FOR CONSTRUCTION

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DATE	12/9/2022

LOS ANGELES COUNTY
 METROPOLITAN
Metro
 TRANSPORTATION AUTHORITY

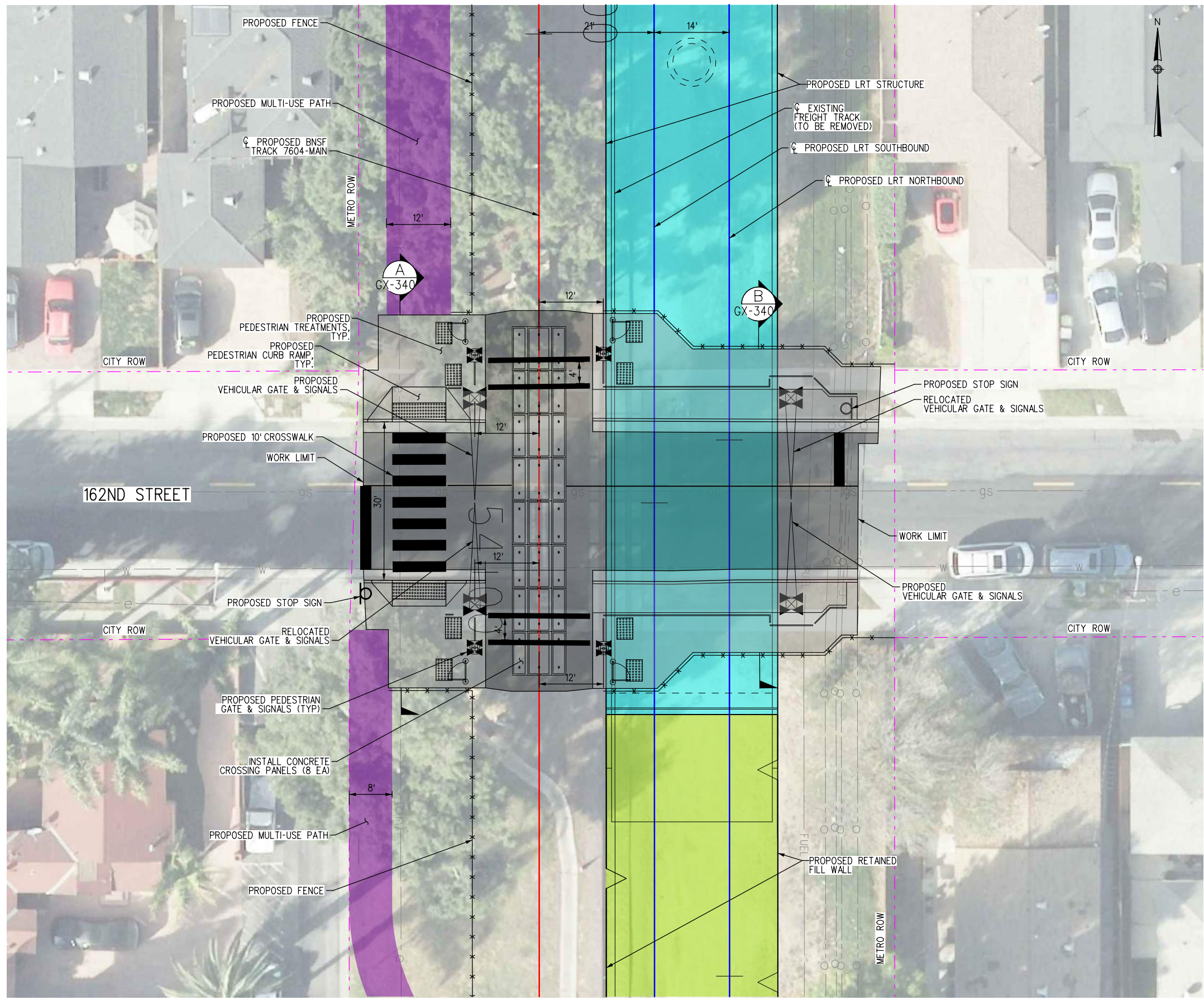
SUBMITTED: _____

PROJECT MANAGER

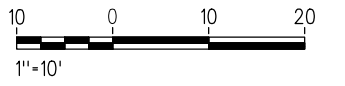
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 PROPOSED PROJECT
 160TH STREET
 GRADE CROSSING PLAN

CONTRACT NO. AE63445001	
DRAWING NO. GX-140	
REVISION	SHEET NO.
SCALE	AS SHOWN



- LEGEND**
- NEW AC
 - NEW PCC
 - RELOCATED FREIGHT TRACK
 - PROPOSED LIGHT RAIL TRACK
 - EXISTING FREIGHT TRACK
 - PROPOSED MULTI-USE PATH (W/PED LIGHTING)
 - PROPOSED RETAINED FILL WALL
 - PROPOSED LRT STRUCTURE



12/28/2022 5:38:47 PM gonzalezj I:\Projects\4020520\4020520_000\190_CAD Models and Sheets\04_C_Civil\Sheet Files\Crossings\GX-160.sht

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REV.	DATE	BY	SUB.	APP.

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DESIGNED BY: J. TAMAYO
 DRAWN BY: J. TAMAYO
 CHECKED BY: J. GONZALEZ
 APPROVED BY: A. SOKOL
 DATE: 12/9/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____

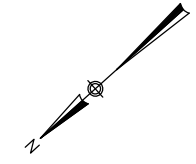
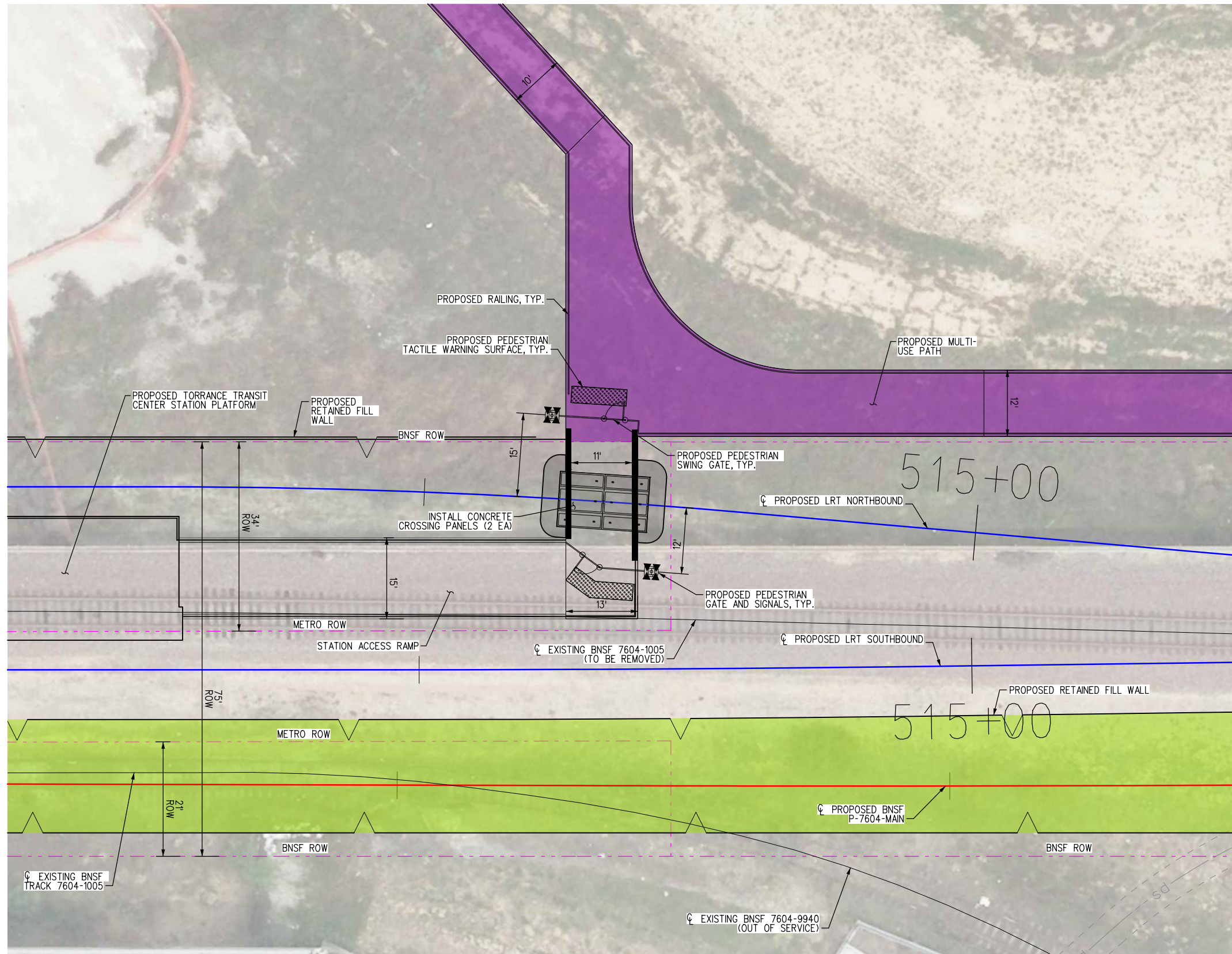
PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT
162ND STREET
GRADE CROSSING PLAN

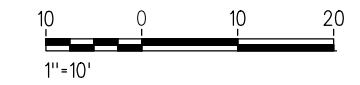
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DRAWING NO. GX-160	
REVISION	SHEET NO.
SCALE	AS SHOWN

12/28/2022 5:38:53 PM gonzajl
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LEGEND

- NEW AC
- PROPOSED FREIGHT TRACK
- PROPOSED LIGHT RAIL TRACK
- EXISTING FREIGHT TRACK
- PROPOSED MULTI-USE PATH (W/PED LIGHTING)
- PROPOSED RETAINED FILL WALL



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REV.	DATE	BY	SUB.	APP.

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DESIGNED BY
J. TAMAYO

DRAWN BY
J. TAMAYO

CHECKED BY
J. GONZALEZ

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE

ADVANCED CONCEPTUAL ENGINEERING

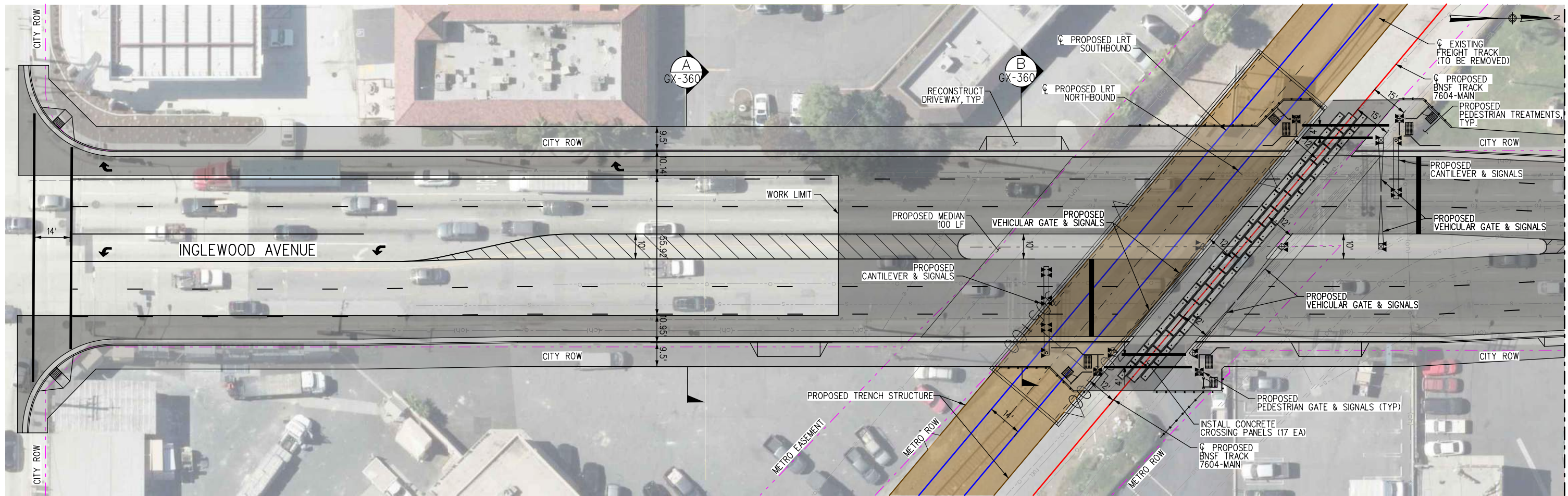
PROPOSED PROJECT

TORRANCE TRANSIT CENTER PED CROSSING

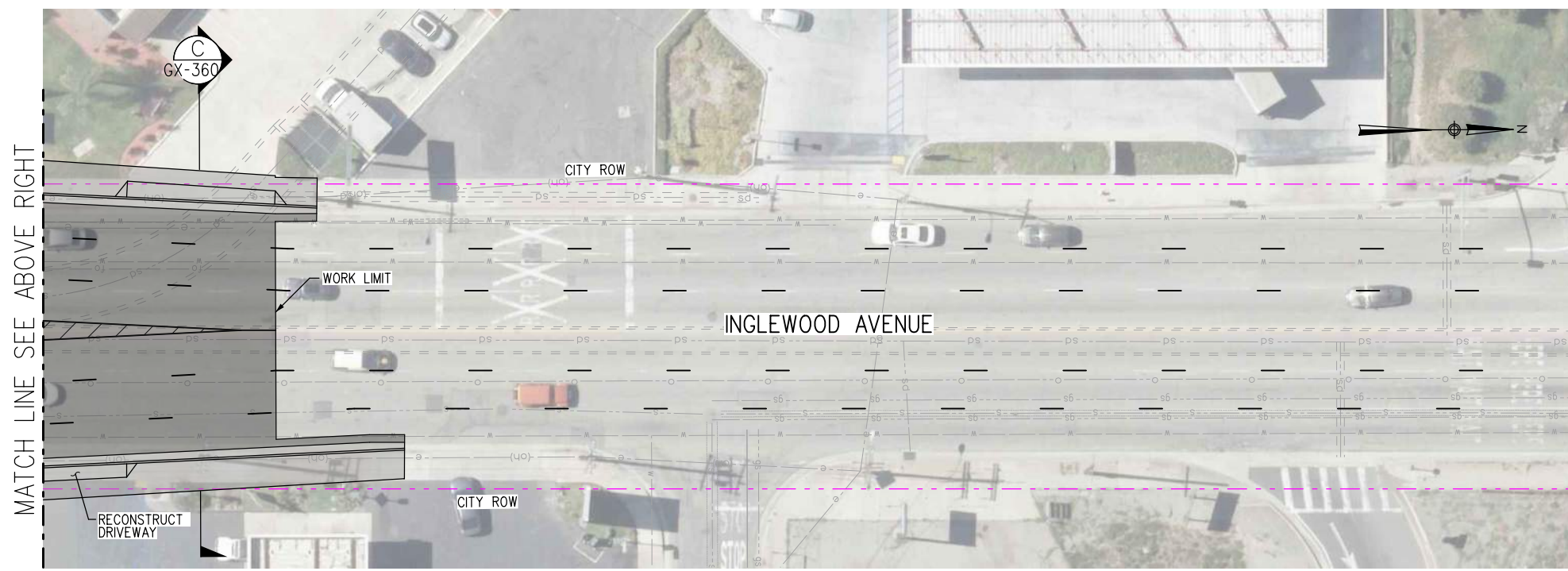
GRADE CROSSING PLAN

CONTRACT NO. AE63445001	
DRAWING NO. GX-190	
REVISION	SHEET NO.
SCALE	AS SHOWN

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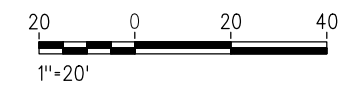
MATCH LINE SEE BELOW LEFT



MATCH LINE SEE ABOVE RIGHT

LEGEND

	NEW AC
	NEW PCC
	PROPOSED FREIGHT TRACK
	PROPOSED LIGHT RAIL TRACK
	EXISTING FREIGHT TRACK
	PROPOSED TRENCH STRUCTURE



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DESIGNED BY
J. TAMAYO

DRAWN BY
J. TAMAYO

CHECKED BY
J. GONZALEZ

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE

ADVANCED CONCEPTUAL ENGINEERING

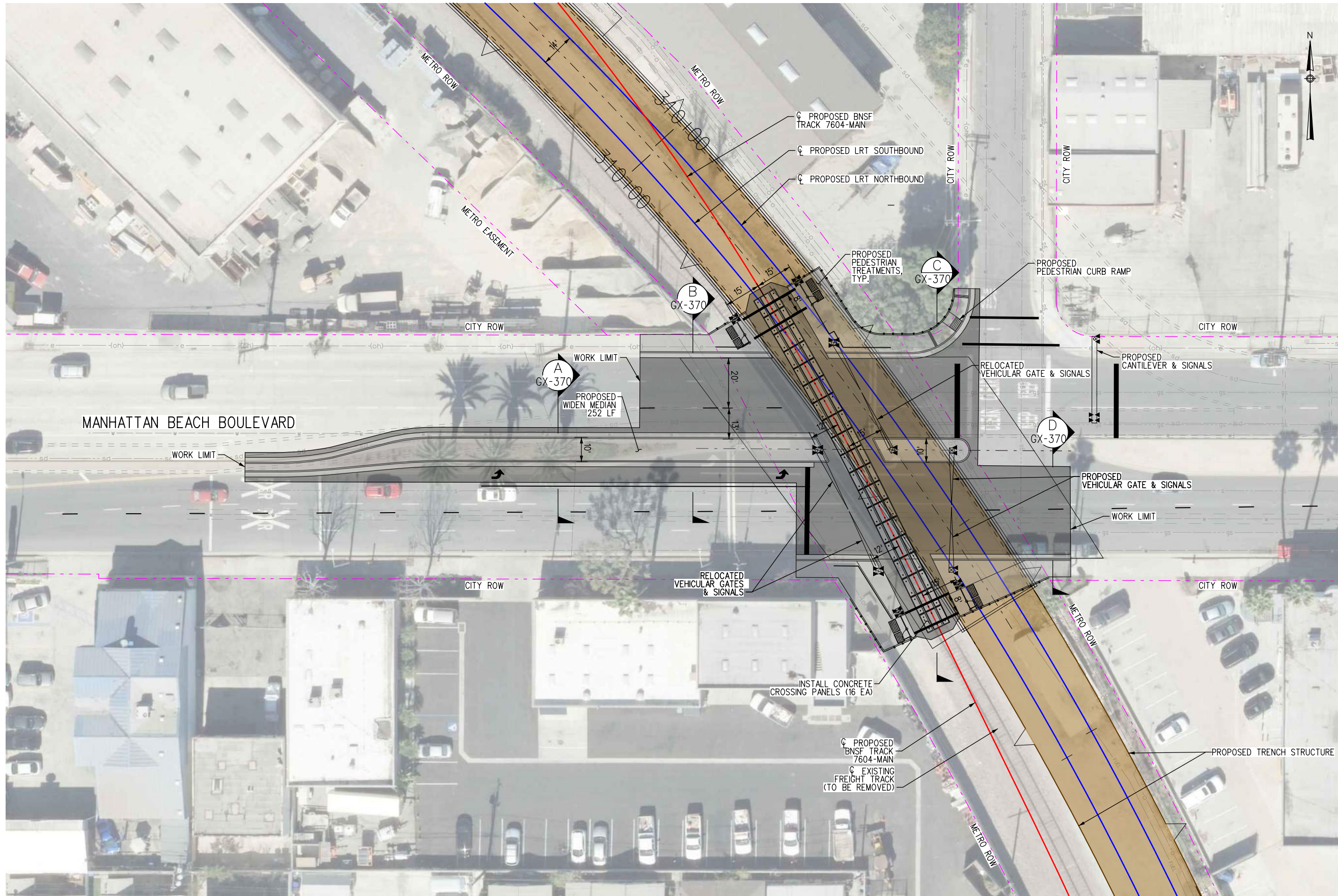
TRENCH OPTION

INGLEWOOD AVENUE

GRADE CROSSING PLAN

CONTRACT NO. AE63445001	
DRAWING NO. GX-210	
REVISION	SHEET NO.
SCALE	AS SHOWN

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LEGEND

- NEW AC
- NEW PCC
- PROPOSED FREIGHT TRACK
- PROPOSED LIGHT RAIL TRACK
- EXISTING FREIGHT TRACK
- PROPOSED TRENCH STRUCTURE



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DESIGNED BY
J. TAMAYO

DRAWN BY
J. TAMAYO

CHECKED BY
J. GONZALEZ

APPROVED BY
A. SOKOL

DATE
12/9/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____

PROJECT MANAGER

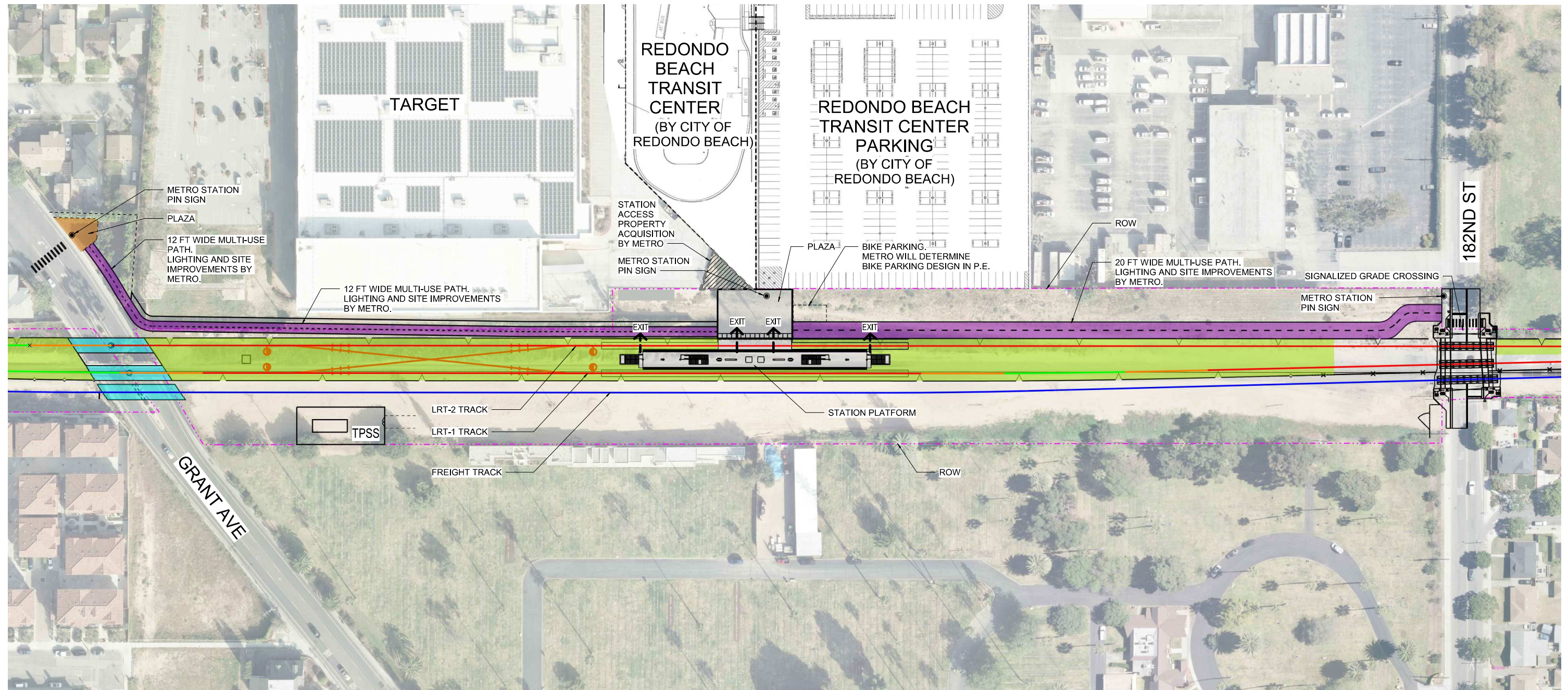
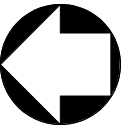
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
TRENCH OPTION
MANHATTAN BEACH BOULEVARD
GRADE CROSSING PLAN

CONTRACT NO. AE63445001	
DRAWING NO. GX-220	
REVISION	SHEET NO.
SCALE	AS SHOWN

NOTE:

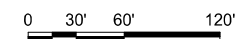
1. FOR ABBREVIATIONS, SYMBOLS AND GENERAL NOTES, SEE DWG AS-001



SITE PLAN

1" = 60'-0"

1
A-100



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REV	DATE	BY SUB APP

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DESIGNED BY
D. UNGSON
DRAWN BY
D. UNGSON
CHECKED BY
R. QUIRK
IN CHARGE
A. SOKOL
DATE
12/9/2022

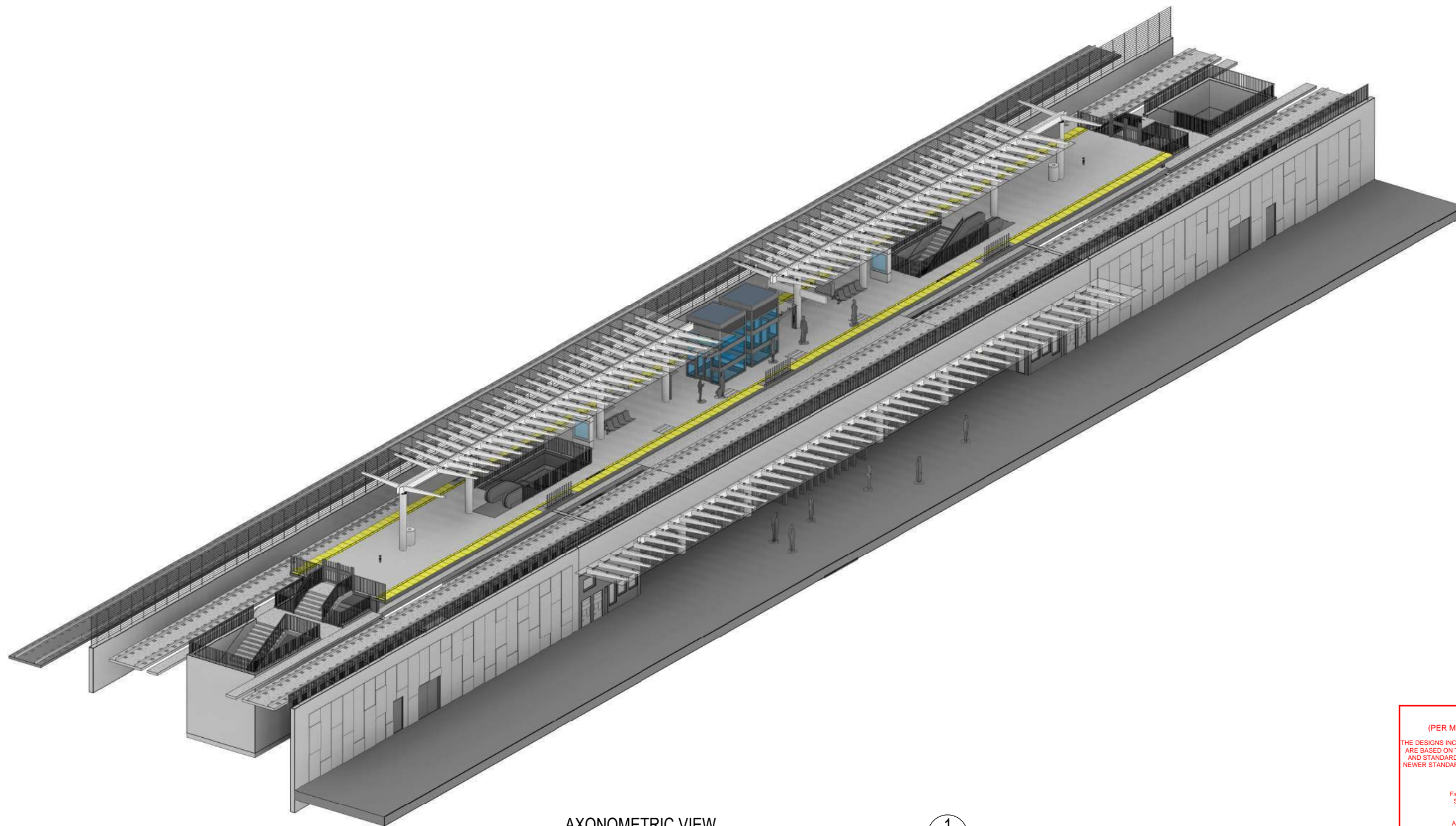
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT
REDONDO BEACH TRANSIT CENTER STATION
ARCHITECTURAL SITE PLAN

CONTRACT NO AE63445001	
DRAWING NO	REV
A-100	
SCALE	1" = 60'-0"
SHEET NO	

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AXONOMETRIC VIEW

1
A-151

**NOTE TO REVIEWERS
(PER METRO AGREEMENT DATED 07-20-21):**
 THE DESIGNS INCORPORATED INTO THIS ARCHITECTURAL SUBMITTAL ARE BASED ON THE LATEST "PUBLISHED" METRO DESIGN CRITERIA AND STANDARD DRAWINGS (SEE BELOW). UPON PUBLICATION OF NEWER STANDARDS, THESE DESIGNS WILL BE REVISED TO REFLECT THEM IN FUTURE SUBMITTALS.

MRDC CRITERIA
 Fire Life Safety Criteria Revision 3 011116
 Section 06 Rev 15 020118 Architectural

METRO STANDARD DRAWINGS
 Architectural Standard Drawings 063020

METRO DIRECTIVE DRAWINGS
 Architectural Directive Drawings 020118

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DESIGNED BY
D. UNGSON
 DRAWN BY
D. UNGSON
 CHECKED BY
R. QUIRK
 IN CHARGE
A. SOKOL
 DATE
7/22/2022

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

STV 100 Years

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

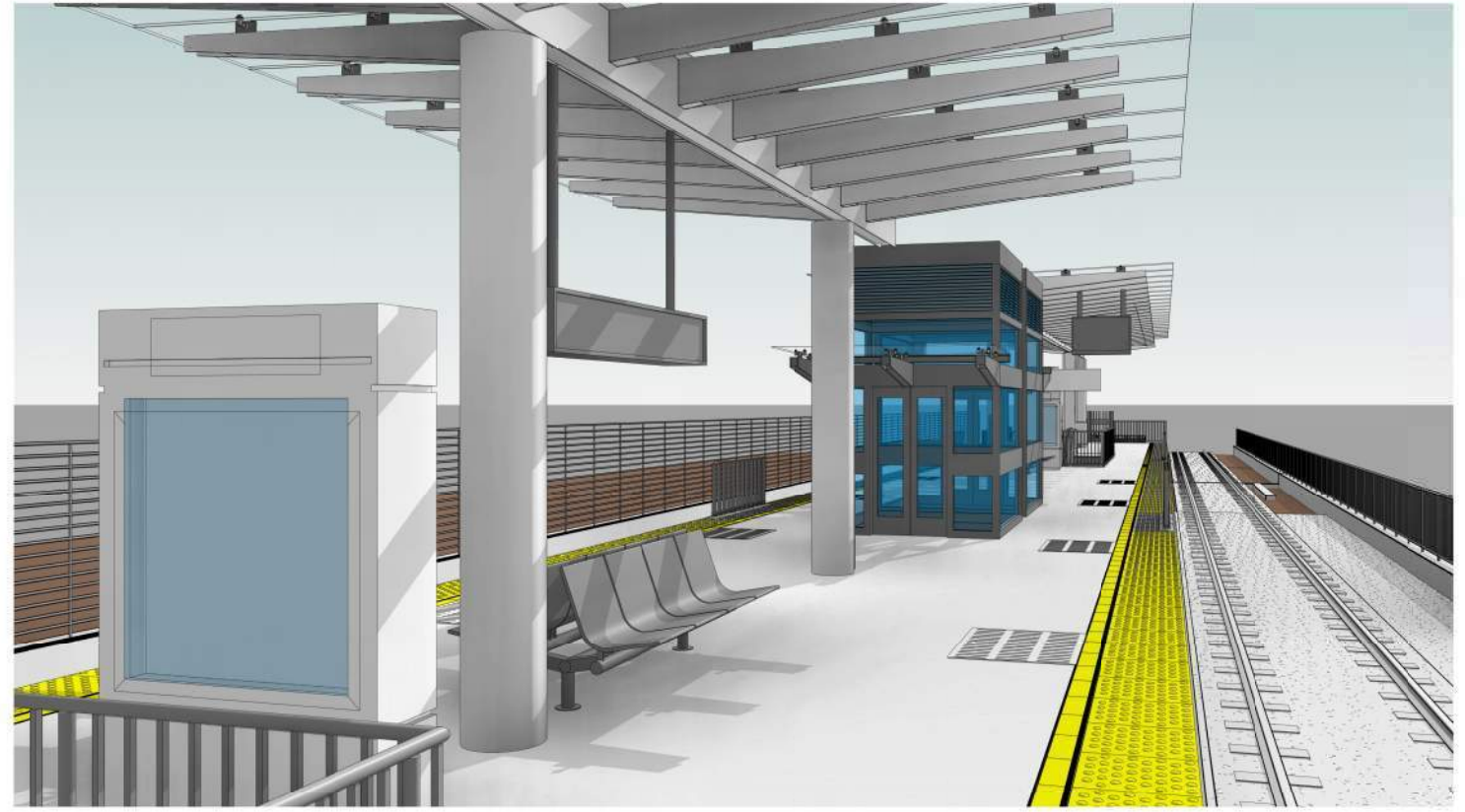
METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 PROPOSED PROJECT
 REDONDO BEACH TRANSIT CENTER STATION
 ARCHITECTURAL AXONOMETRIC VIEW

CONTRACT NO	AE63445001
DRAWING NO	A-151
SCALE	NOT TO SCALE
SHEET NO	

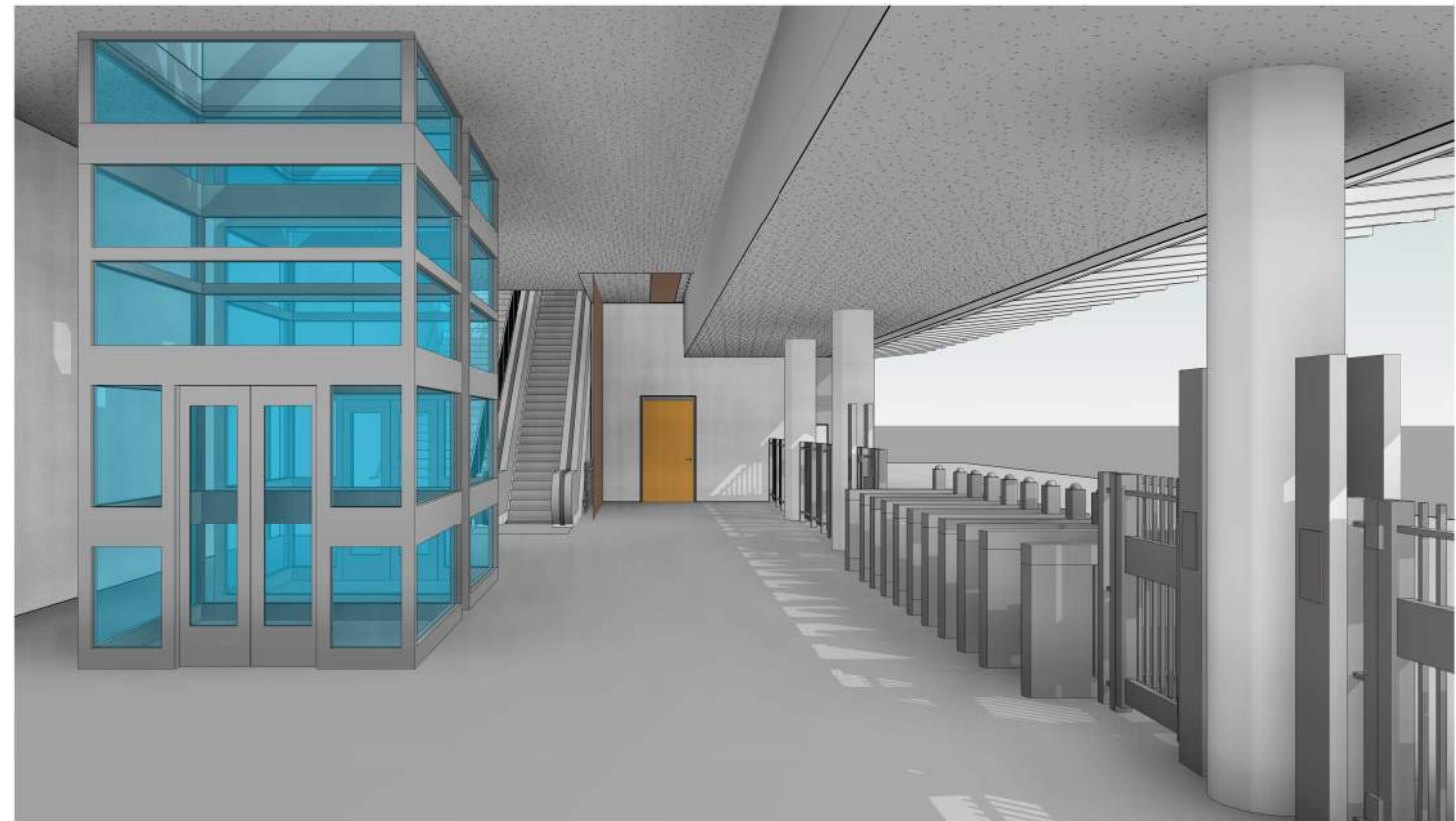
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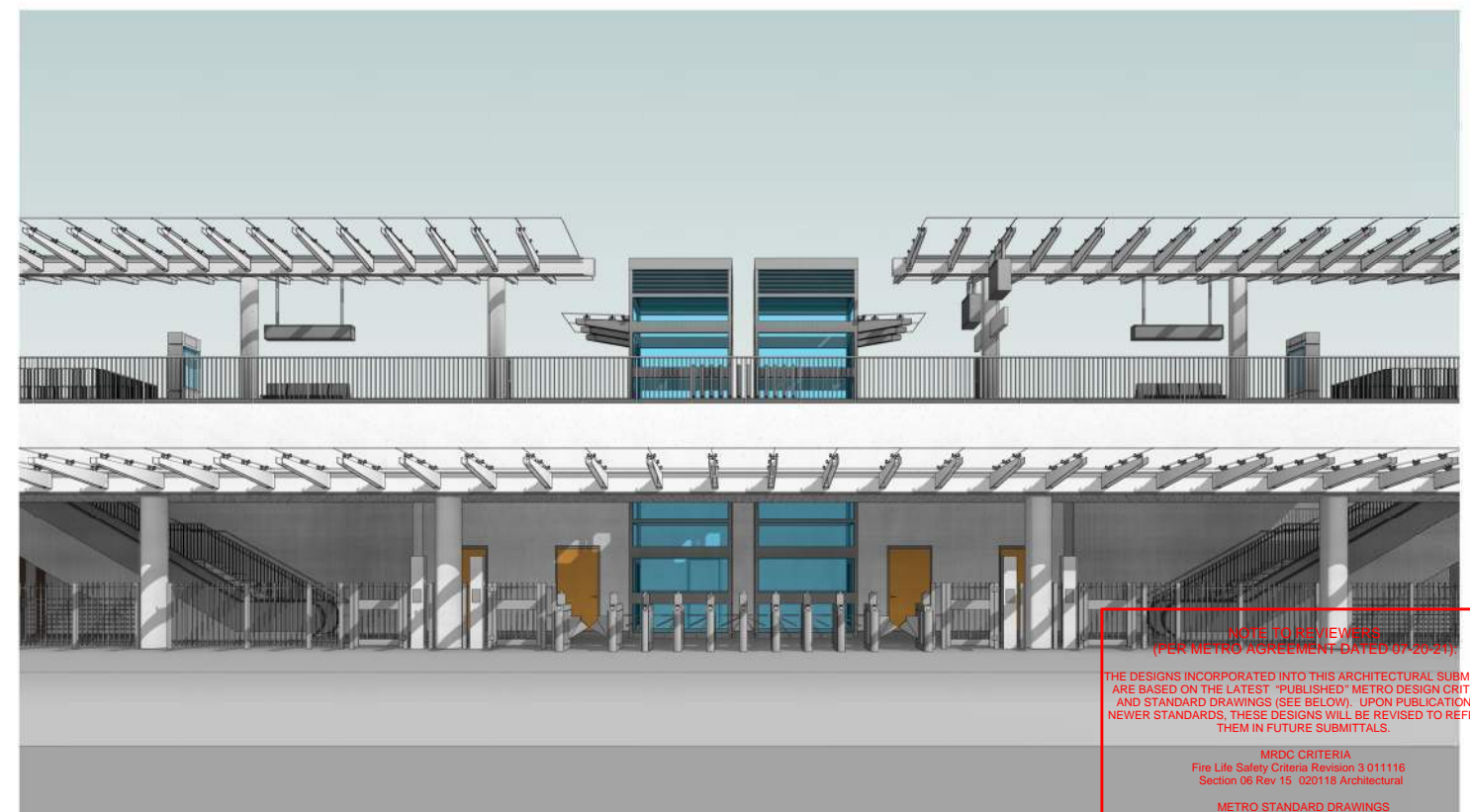
VIEW 2 - MAIN ENTRANCE PLAZA LEVEL



VIEW 1 - PLATFORM



VIEW 4 - PLAZA LEVEL PAID AREA



VIEW 3 - MAIN ENTRANCE

NOTE TO REVIEWERS
(PER METRO AGREEMENT DATED 07-20-21)

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MRDC CRITERIA
Fire Life Safety Criteria Revision 3 011116
Section 05 Rev 15 020118 Architectural

METRO STANDARD DRAWINGS
Architectural Standard Drawings 063020


METRO DIRECTIVE DRAWINGS
Architectural Directive Drawings 020118

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REV	DATE	BY	SUB	APP

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DESIGNED BY
D. UNGSON
DRAWN BY
D. UNGSON
CHECKED BY
R. QUIRK
IN CHARGE
A. SOKOL
DATE
7/22/2022


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

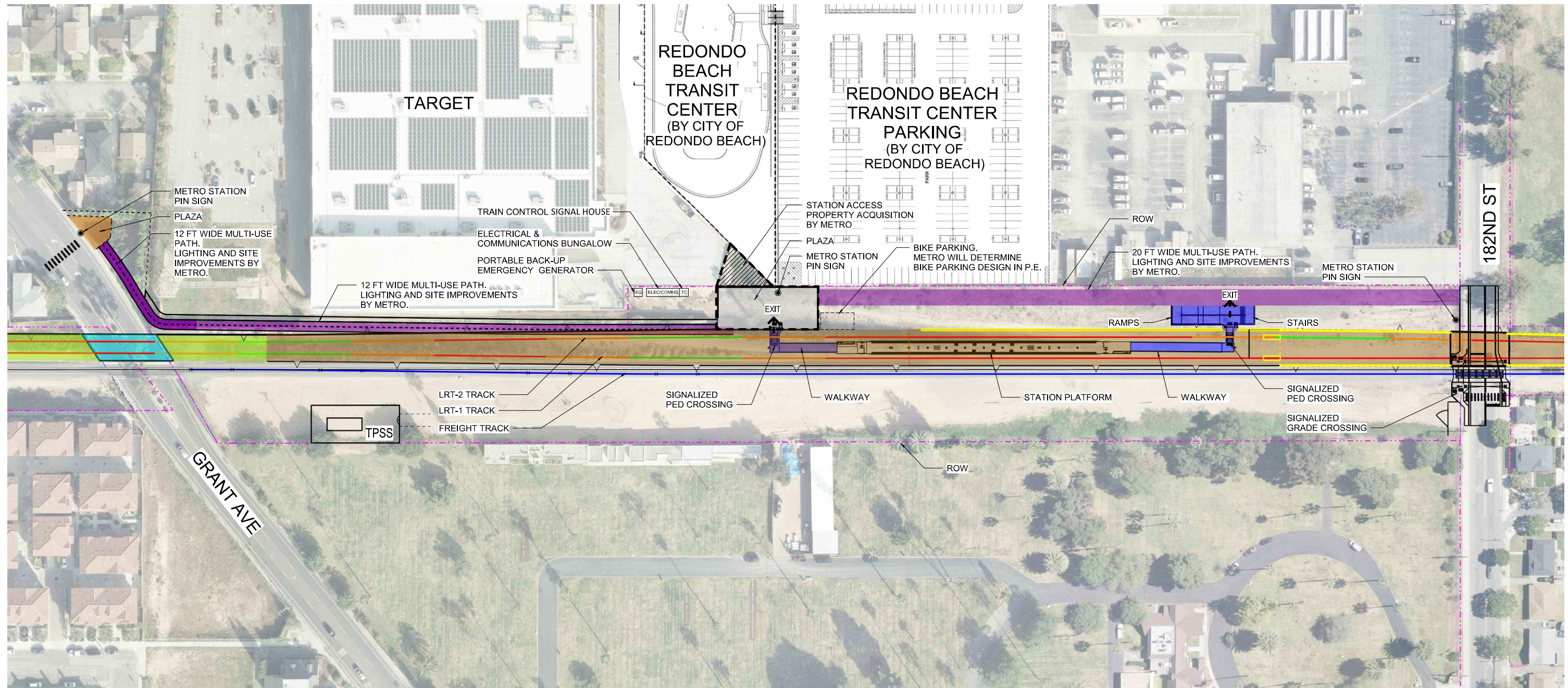
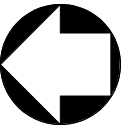
METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 PROPOSED PROJECT
 REDONDO BEACH TRANSIT CENTER STATION
 ARCHITECTURAL RENDERINGS

CONTRACT NO.
 AE63445001

DRAWING NO. A-152 REV. _____
 SCALE: NOT TO SCALE
 SHEET NO. _____

NOTE:

1. FOR ABBREVIATIONS, SYMBOLS AND GENERAL NOTES, SEE DWG AS-001



SITE PLAN
1" = 60'-0"

1
A-200

60' 30' 0 60'

REV		DATE	BY	SUB.	APP.
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DESIGNED BY
D. UNGSON
DRAWN BY
D. UNGSON
CHECKED BY
R. QUIRK
IN CHARGE
A. SOKOL
DATE
12/09/2022

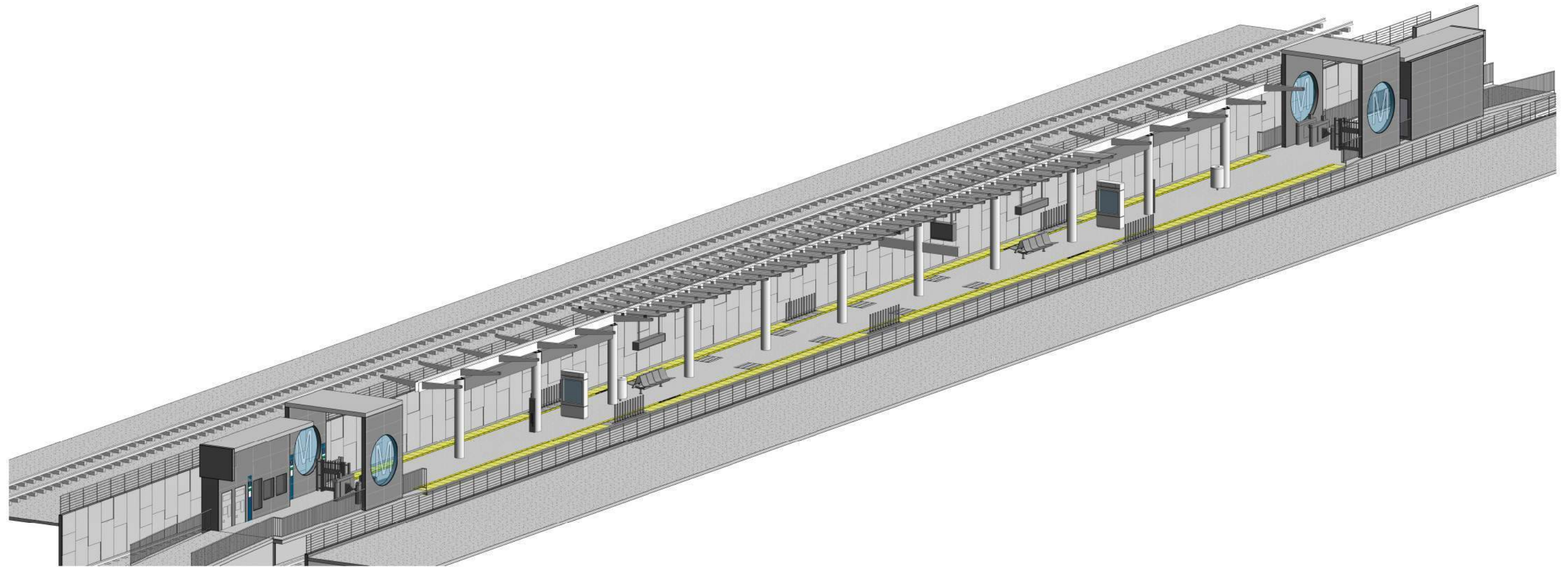
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
TRENCH OPTION
REDONDO BEACH TRANSIT CENTER STATION
ARCHITECTURAL SITE PLAN

CONTRACT NO AE63445001	
DRAWING NO	REV
A-200	
SCALE 1" = 60'-0"	
SHEET NO	

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AXONOMETRIC VIEW FROM SOUTHEAST

1
A-251

**NOTE TO REVIEWERS
(PER METRO AGREEMENT DATED 07-20-21):**

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MRDC CRITERIA
Fire Life Safety Criteria Revision 3 011116
Section 06 Rev 15 020118 Architectural

METRO STANDARD DRAWINGS
Architectural Standard Drawings 063020

METRO DIRECTIVE DRAWINGS
Architectural Directive Drawings 020118

REV		DATE	BY	SUB	APP
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DESIGNED BY
D. UNGSON

DRAWN BY
D. UNGSON

CHECKED BY
R. QUIRK

IN CHARGE
A. SOKOL

DATE
7/22/2022


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

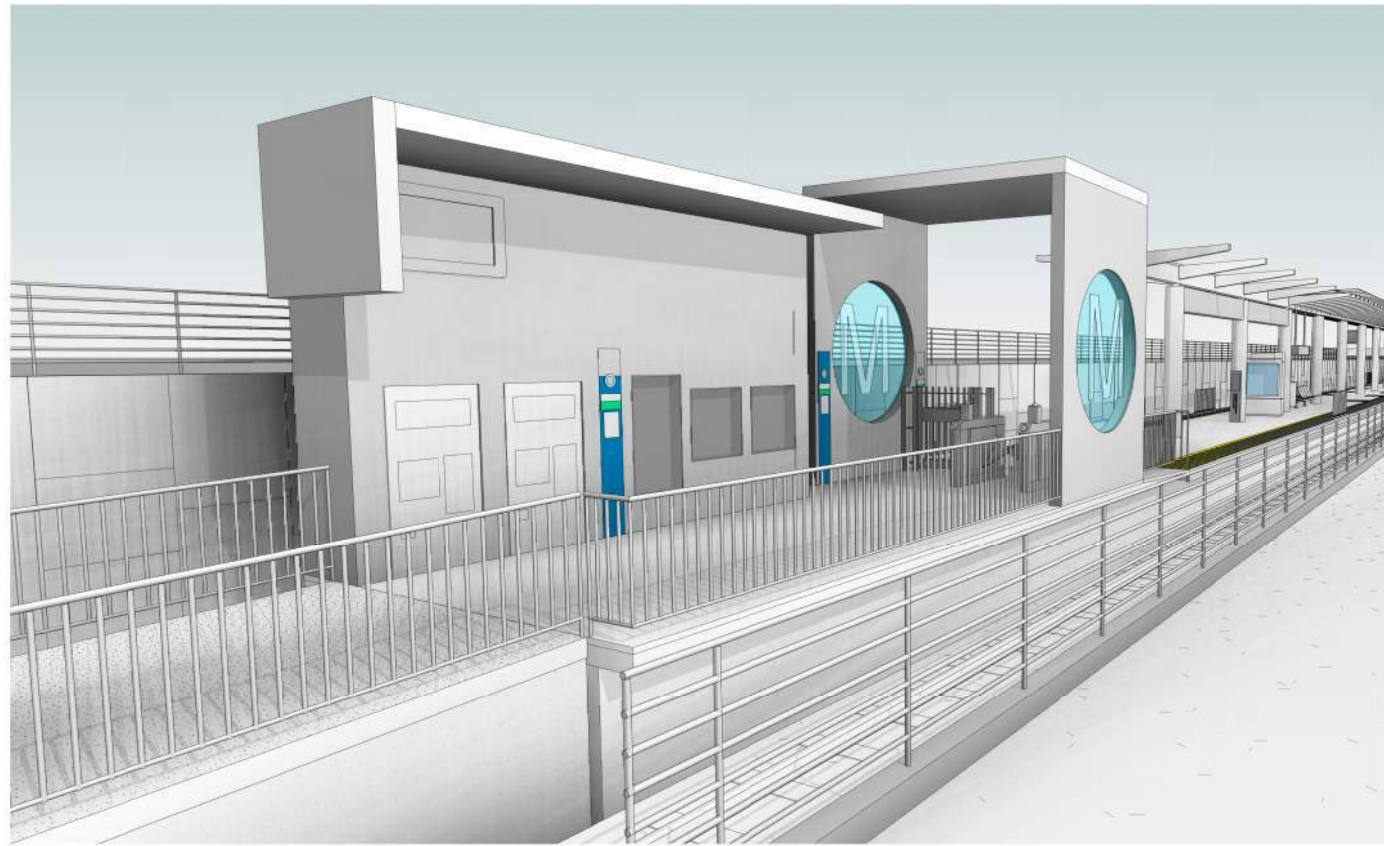


SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

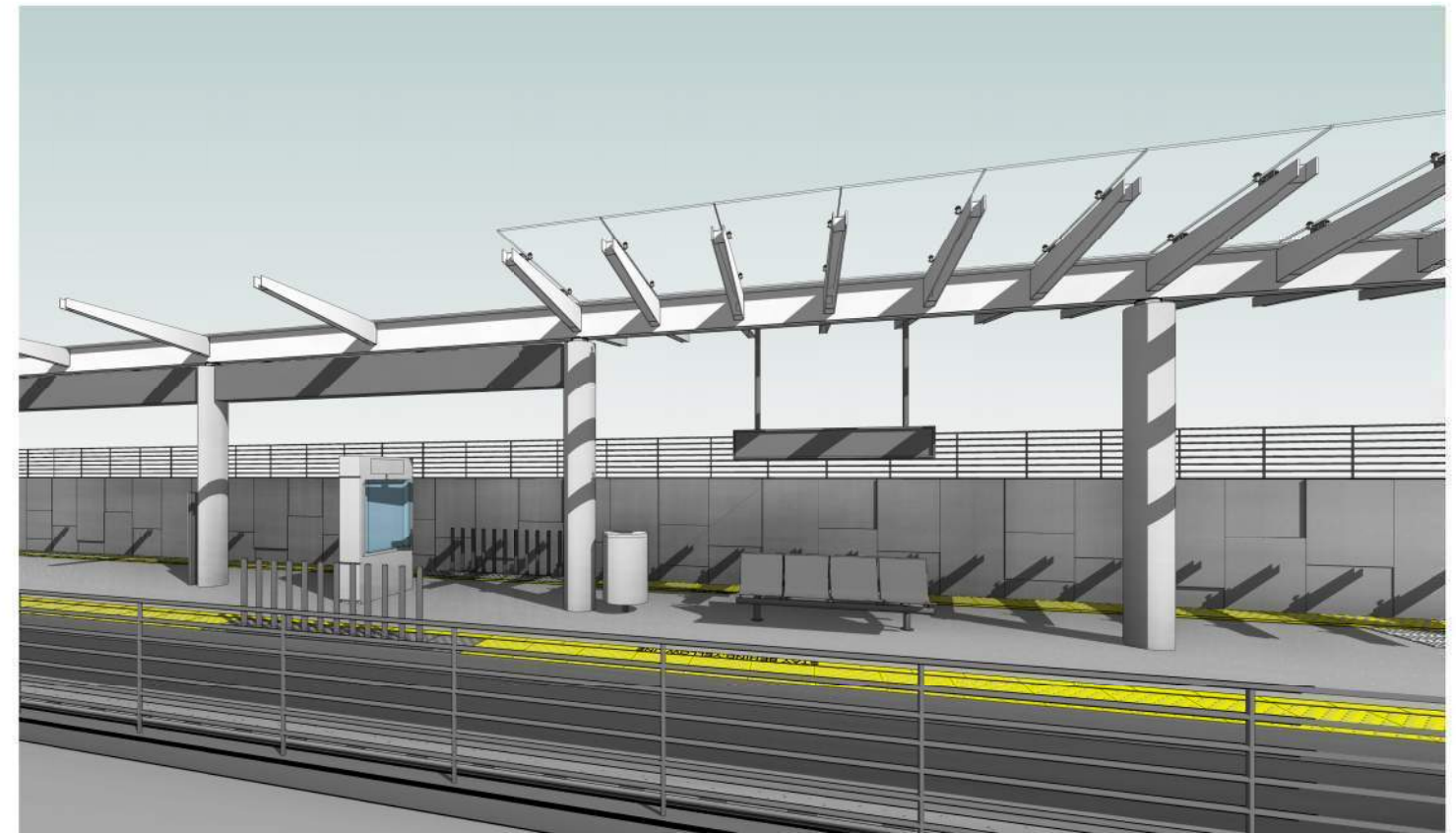
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
TRENCH OPTION
REDONDO BEACH TRANSIT CENTER STATION
ARCHITECTURAL AXONOMETRIC VIEW

CONTRACT NO	AE63445001
DRAWING NO	A-251
SCALE	NTS
SHEET NO	

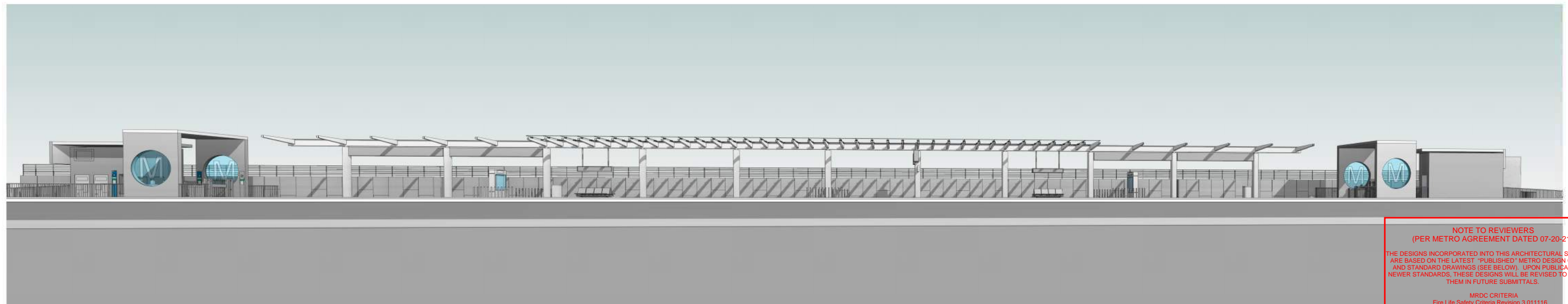
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VIEW 2 - TICKETING AREA



VIEW 1 - PLATFORM AREA



VIEW 3 - OVERALL PLATFORM

**NOTE TO REVIEWERS
(PER METRO AGREEMENT DATED 07-20-21):**
 THE DESIGNS INCORPORATED INTO THIS ARCHITECTURAL SUBMITTAL ARE BASED ON THE LATEST "PUBLISHED" METRO DESIGN CRITERIA AND STANDARD DRAWINGS (SEE BELOW). UPON PUBLICATION OF NEWER STANDARDS, THESE DESIGNS WILL BE REVISED TO REFLECT THEM IN FUTURE SUBMITTALS.

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 Section 06 Rev 15 020118 Architectural

METRO STANDARD DRAWINGS
 Architectural Standard Drawings 063020

METRO DIRECTIVE DRAWINGS
 Architectural Directive Drawings 020118

REV	DATE	BY	SUB	APP

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DESIGNED BY
D. UNGSON
 DRAWN BY
D. UNGSON
 CHECKED BY
R. QUIRK
 IN CHARGE
A. SOKOL
 DATE
7/22/2022


 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

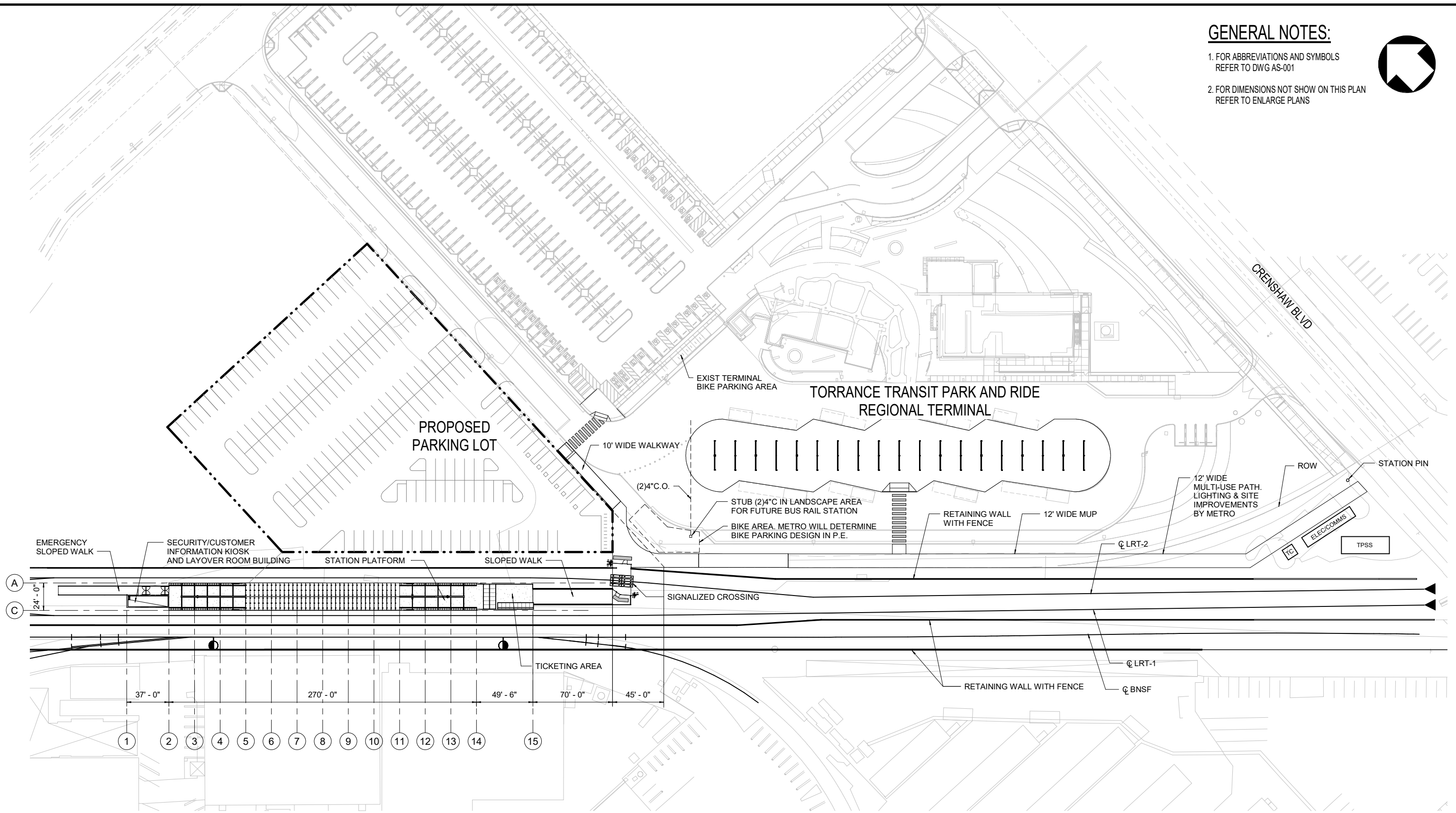
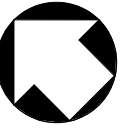

SUBMITTED: _____ PROJECT MANAGER
 APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 TRENCH OPTION
 REDONDO BEACH TRANSIT CENTER STATION
 ARCHITECTURAL RENDERINGS

CONTRACT NO
AE63445001
 DRAWING NO
A-252
 SCALE
NTS
 SHEET NO

GENERAL NOTES:

1. FOR ABBREVIATIONS AND SYMBOLS REFER TO DWG AS-001
2. FOR DIMENSIONS NOT SHOW ON THIS PLAN REFER TO ENLARGE PLANS



SITE PLAN
1" = 40'-0"

1
A-300



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DESIGNED BY
F. CROOKS
DRAWN BY
F. CROOKS
CHECKED BY
M. BAZAN
IN CHARGE
A. SOKOL
DATE
12/09/2022



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



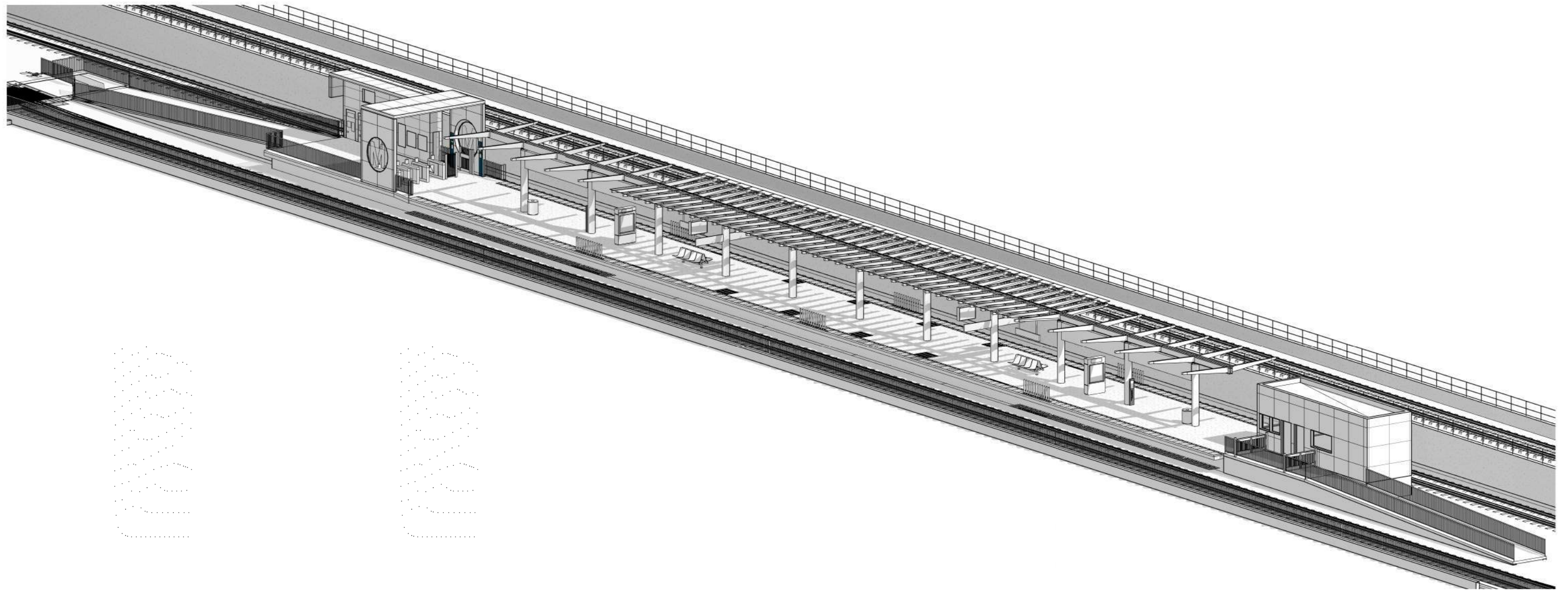
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT
TORRANCE TRANSIT CENTER STATION
ARCHITECTURAL SITE PLAN

CONTRACT NO
AE63445001
DRAWING NO
A-300
SCALE
1" = 40'-0"
SHEET NO
REV 0

REV	DATE	BY	SUB	APP

SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____



AXONOMETRIC VIEW

1
A-350

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DESIGNED BY
F. CROOKS
DRAWN BY
F. CROOKS
CHECKED BY
M. BAZAN
IN CHARGE
A. SOKOL
DATE
07/22/2022



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



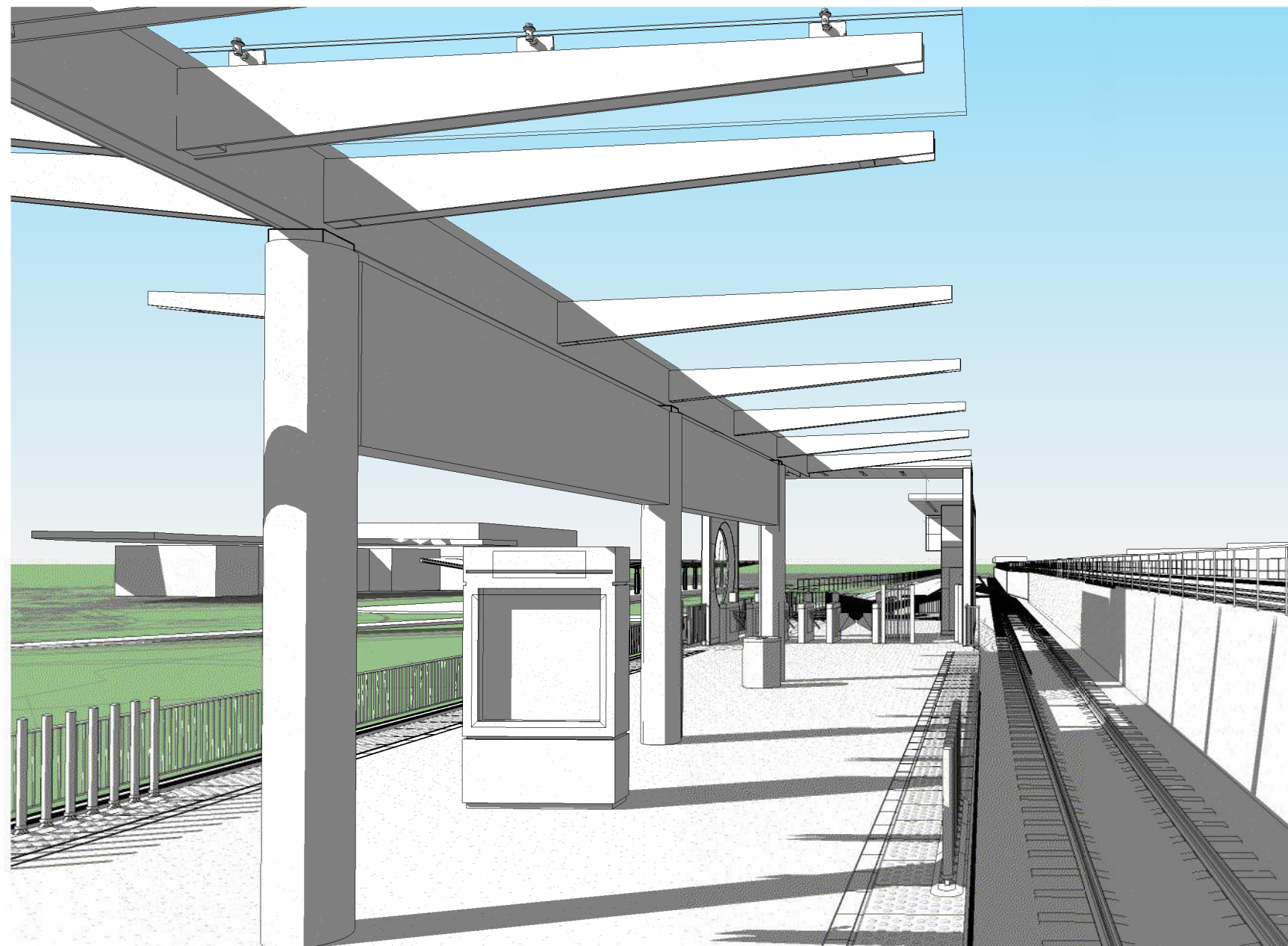
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT
TORRANCE TRANSIT CENTER STATION
ARCHITECTURAL AXONOMETRIC VIEW

CONTRACT NO
AE63445001
DRAWING NO
A-350
SCALE
NO SCALE
SHEET NO
REV
0

REV	DATE	BY	SUB	APP

SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____



SOUTH VIEW FROM LRT-1

1
A-351

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DESIGNED BY
F. CROOKS
DRAWN BY
F. CROOKS
CHECKED BY
M. BAZAN
IN CHARGE
A. SOKOL
DATE
07/22/2022



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 PROPOSED PROJECT
 TORRANCE TRANSIT CENTER STATION
 ARCHITECTURAL RENDERINGS
 SHEET 1 OF 2

CONTRACT NO
AE63445001
DRAWING NO
A-351
SCALE
NO SCALE
SHEET NO
REV
0

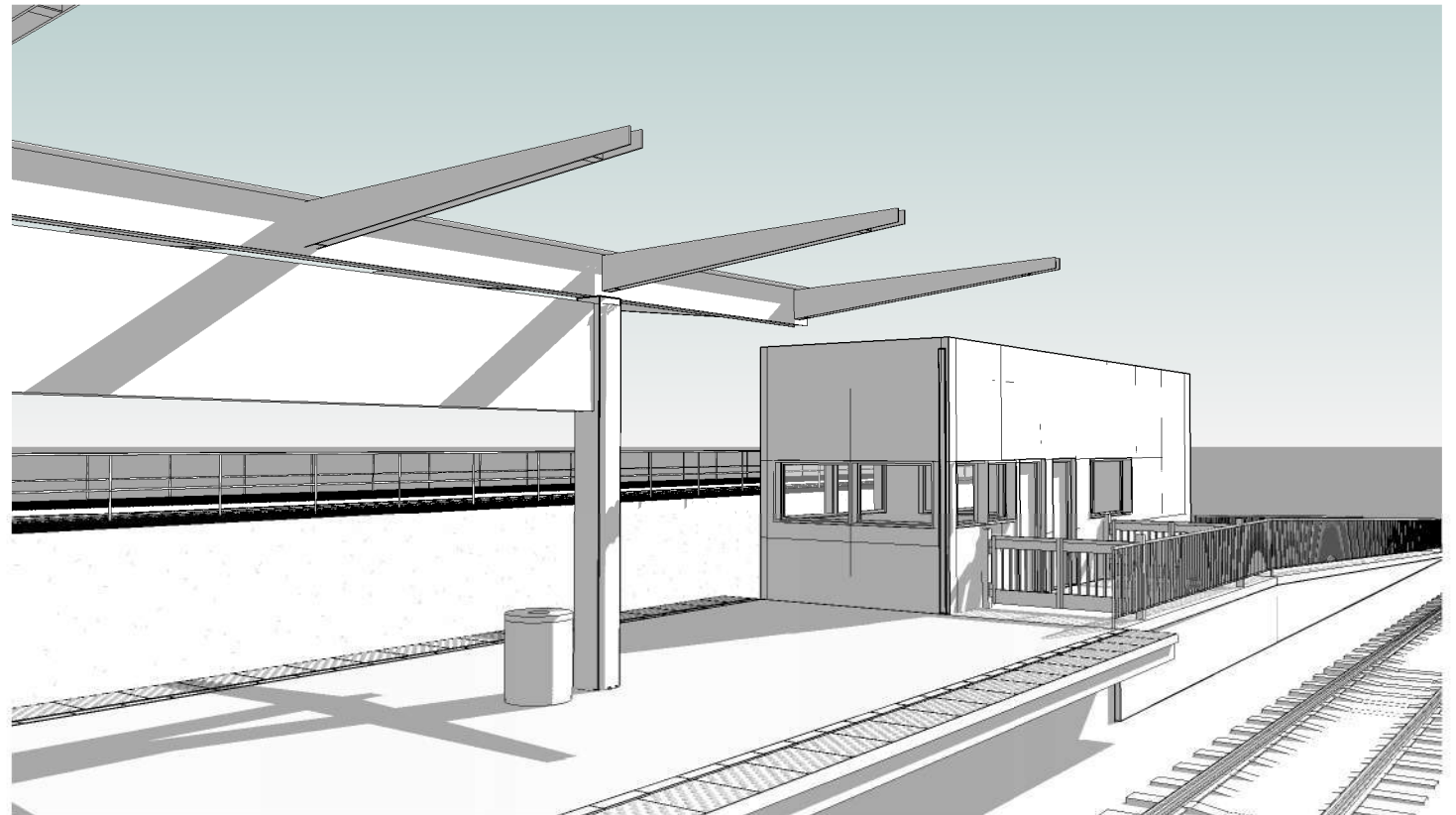
REV	DATE	BY	SUB	APP

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____



PERSPECTIVE VIEW
TICKETING AREA

2
A-352



PERSPECTIVE VIEW
LAYOVER/KIOSK BUILDING

1
A-352

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DESIGNED BY
F. CROOKS
DRAWN BY
F. CROOKS
CHECKED BY
M. BAZAN
IN CHARGE
A. SOKOL
DATE
07/22/2022



LOS ANGELES COUNTY METROPOLITAN
TRANSPORTATION AUTHORITY



SUBMITTED: _____
PROJECT MANAGER

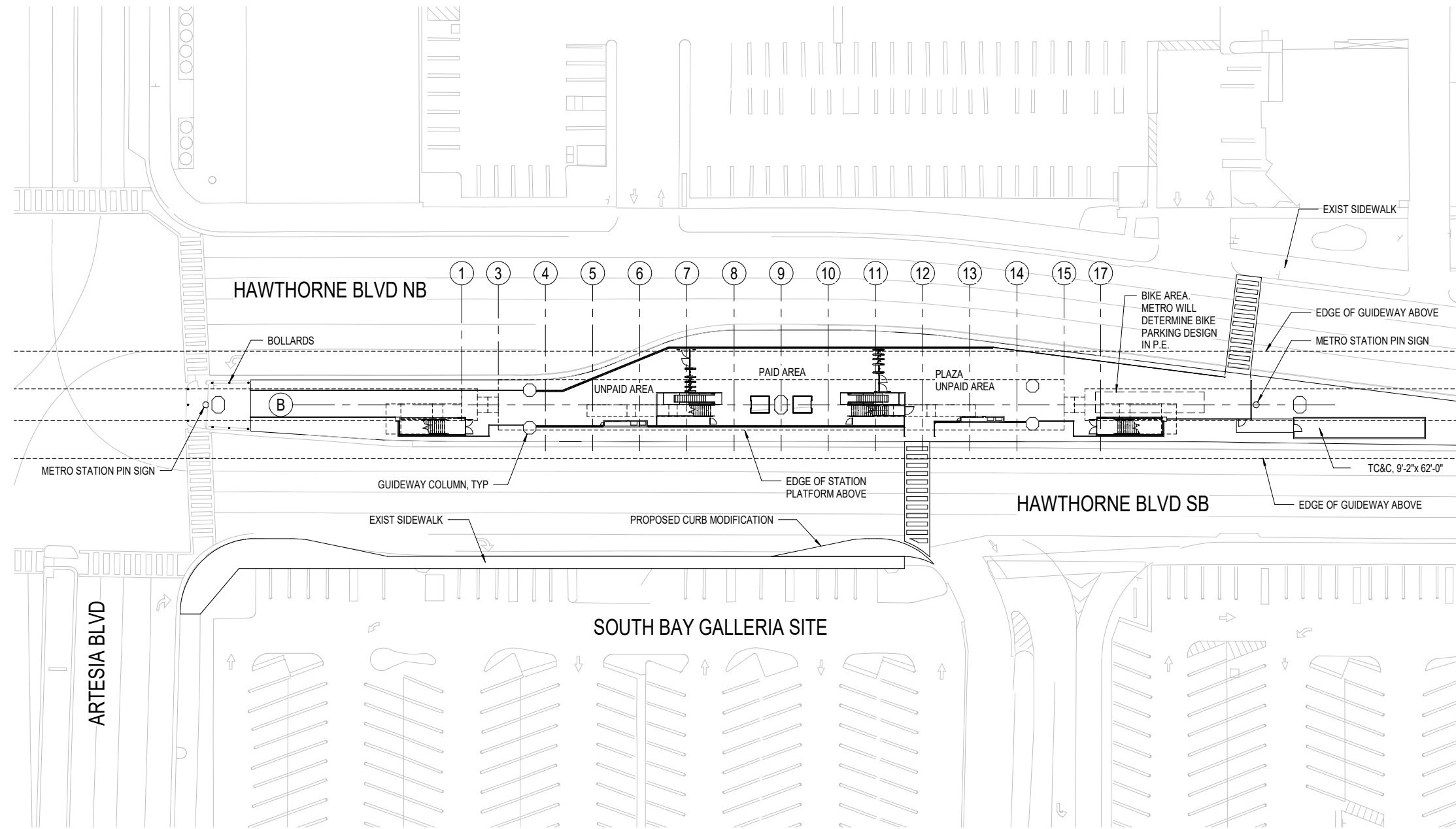
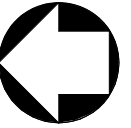
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT
TORRANCE TRANSIT CENTER STATION
ARCHITECTURAL RENDERINGS
SHEET 2 OF 2

CONTRACT NO
AE63445001
DRAWING NO
A-352
SCALE
NO SCALE
SHEET NO

GENERAL NOTES:

1. FOR ARCHITECTURAL GENERAL NOTES, SYMBOLS, PROJECT SUMMARY AND CODES, SEE DWG AS-001.
2. FOR ARCHITECTURAL ABBREVIATIONS, SEE DWG AS-001.



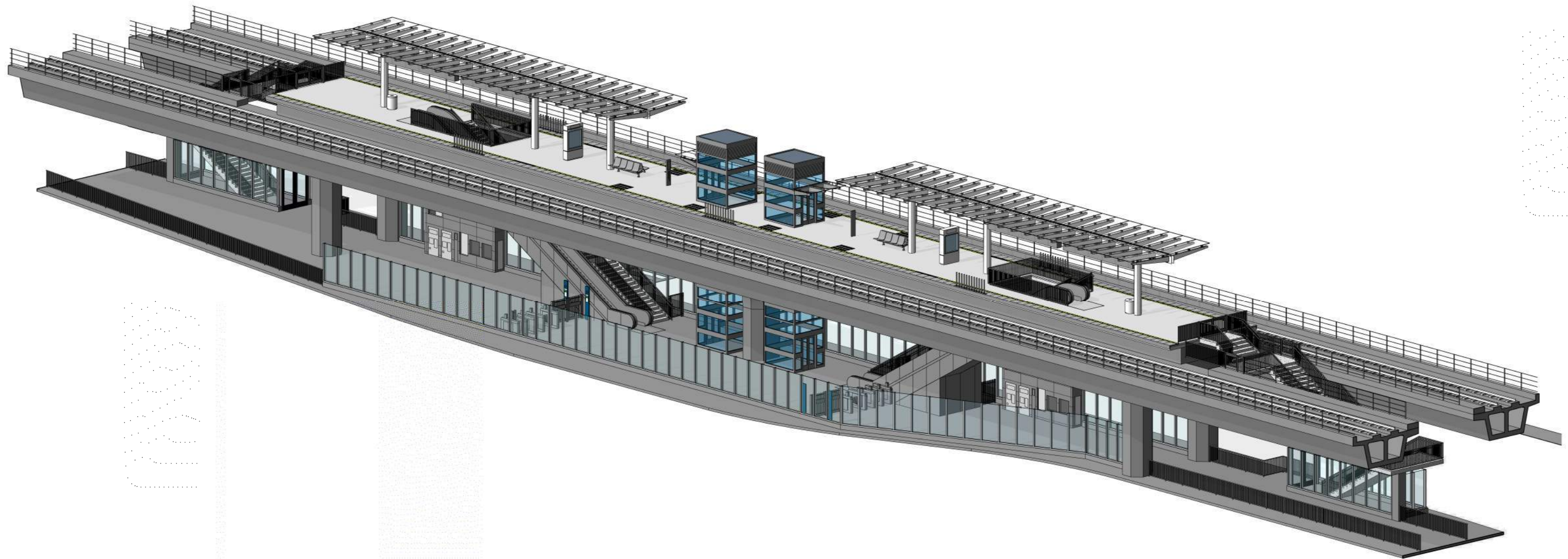
SITE PLAN
1" = 30'-0"

1
A-400



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REV	DATE	BY	SUB.	APP.	SUBMITTED:	PROJECT MANAGER	APPROVED:			



AXONOMETRIC VIEW

1
A-451

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DESIGNED BY
F. CROOKS
DRAWN BY
F. CROOKS
CHECKED BY
M. BAZAN
IN CHARGE
A. SOKOL
DATE
07/22/2022



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



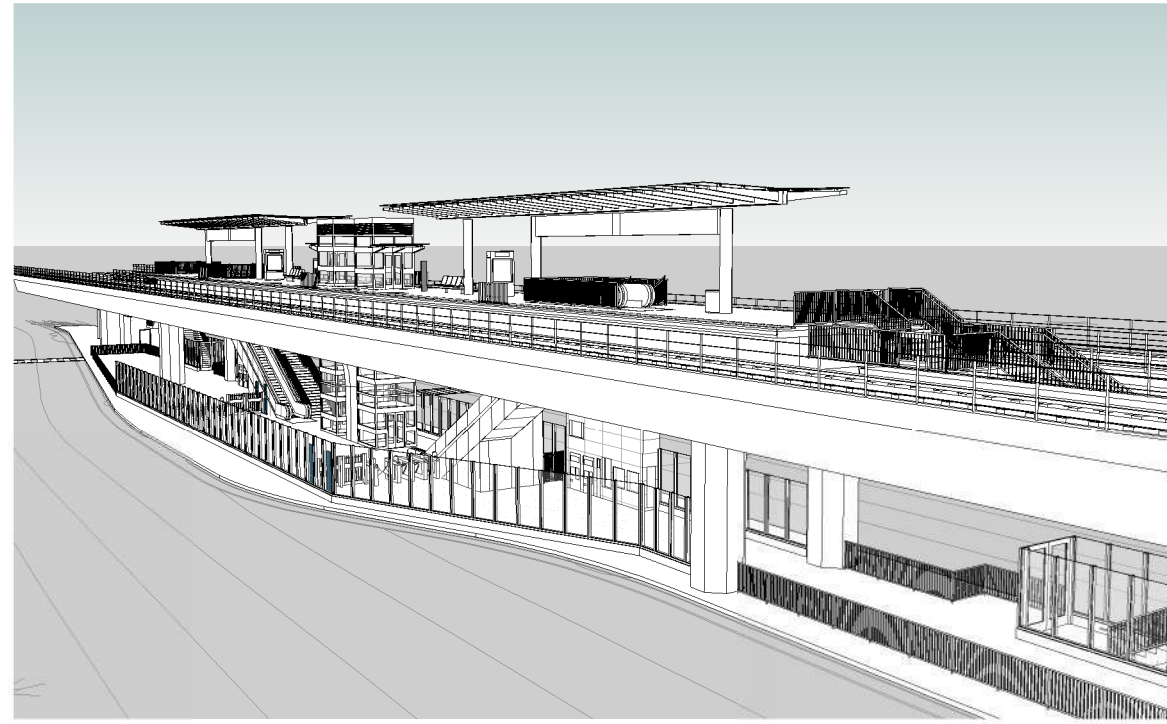
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION
SOUTH BAY GALLERIA AERIAL STATION
ARCHITECTURAL AXONOMETRIC VIEW

CONTRACT NO
AE63445001
DRAWING NO
A-451
SCALE
NO SCALE
SHEET NO
REV 0

REV	DATE	BY	SUB	APP

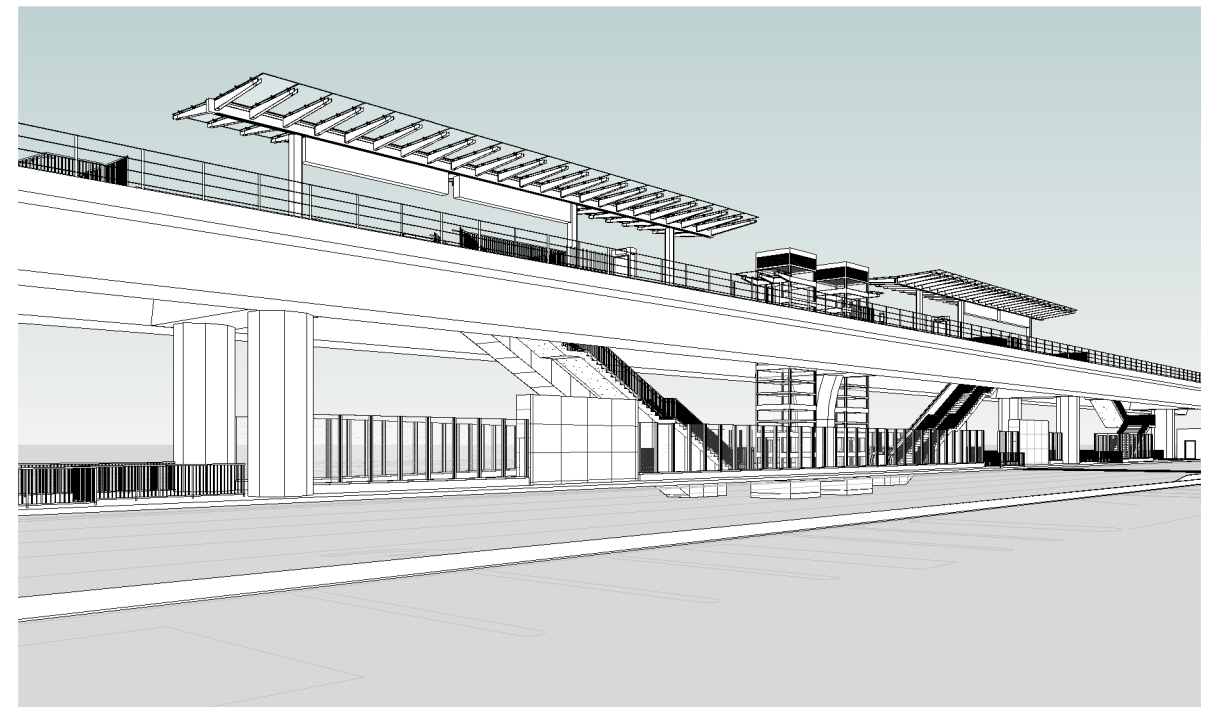
SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____



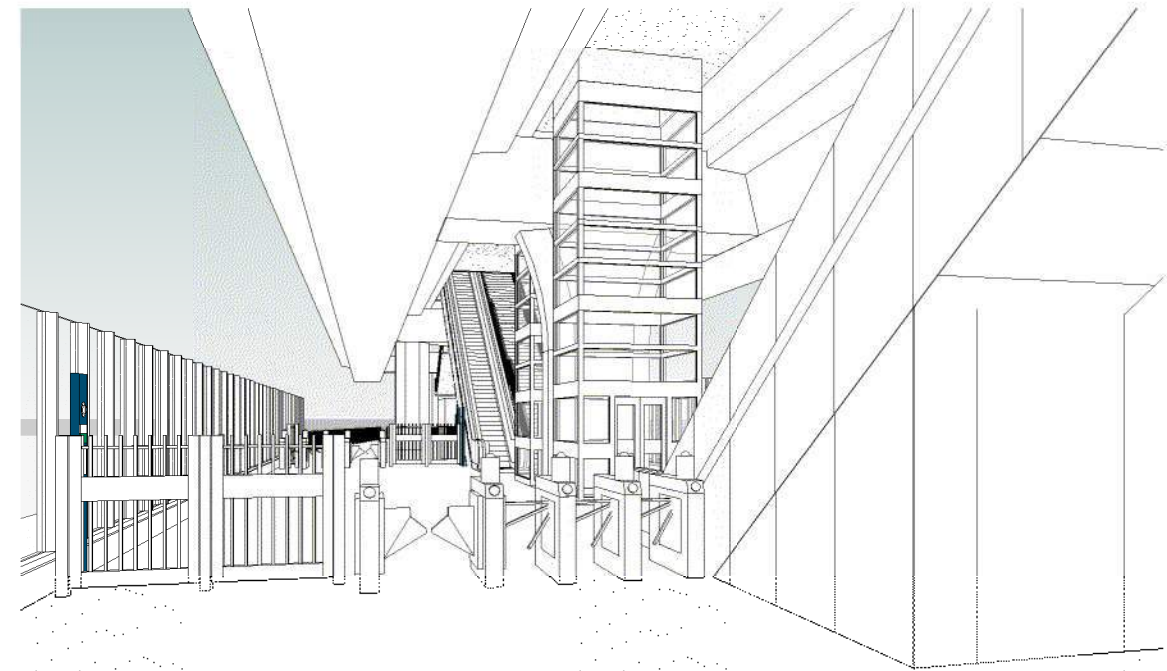
BIRD'S EYE VIEW
FROM NORTH-EAST

3
A-452



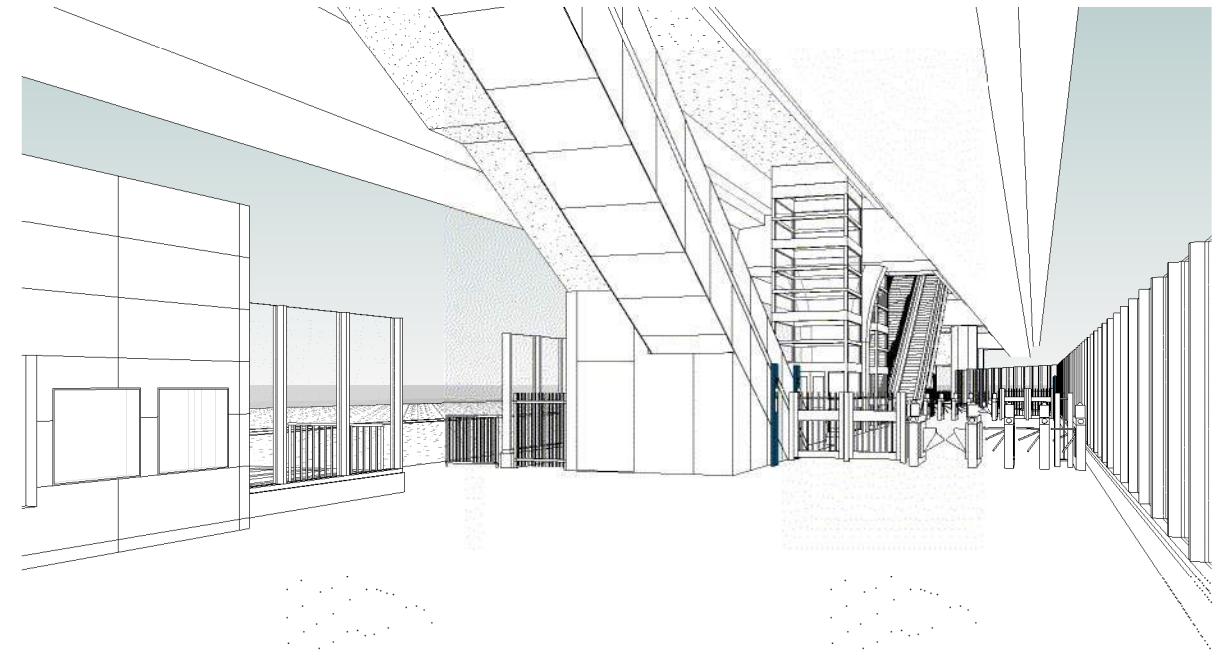
VIEW FROM GALLERIA SITE

1
A-452



NORTH STATION ENTRY

4
A-452



SOUTH STATION ENTRY

2
A-452

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COUNTY METROPOLITAN TRANSPORTATION
AUTHORITY.

DESIGNED BY
F. CROOKS
DRAWN BY
F. CROOKS
CHECKED BY
M. BAZAN
IN CHARGE
A. SOKOL
DATE
07/22/2022

M Metro
STV 100 Years
SUBMITTED: _____
PROJECT MANAGER

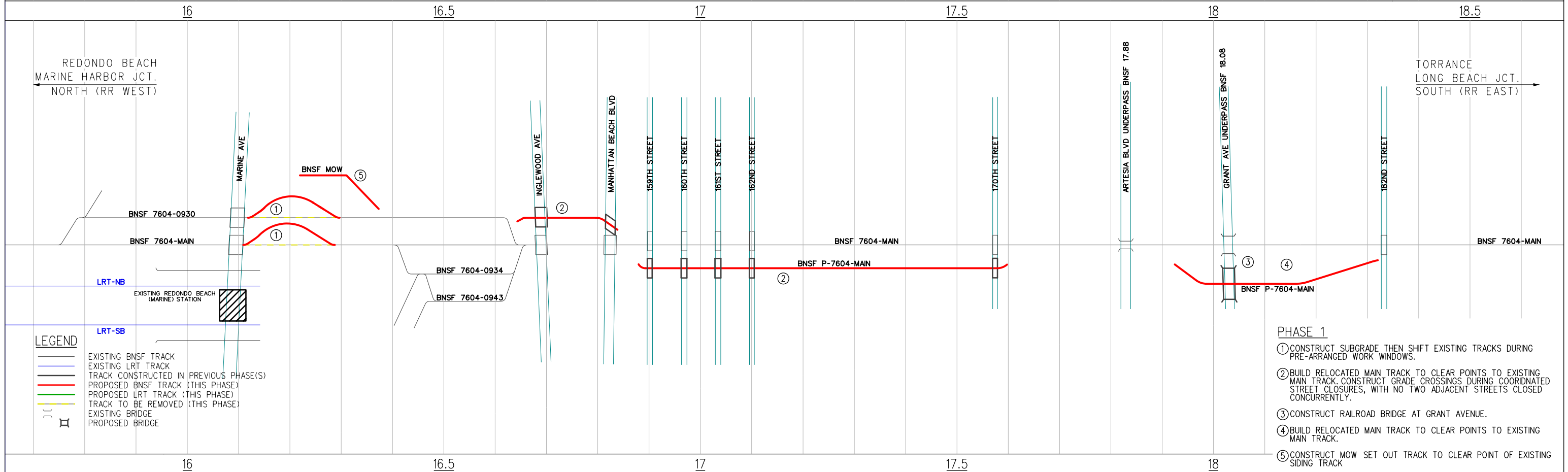
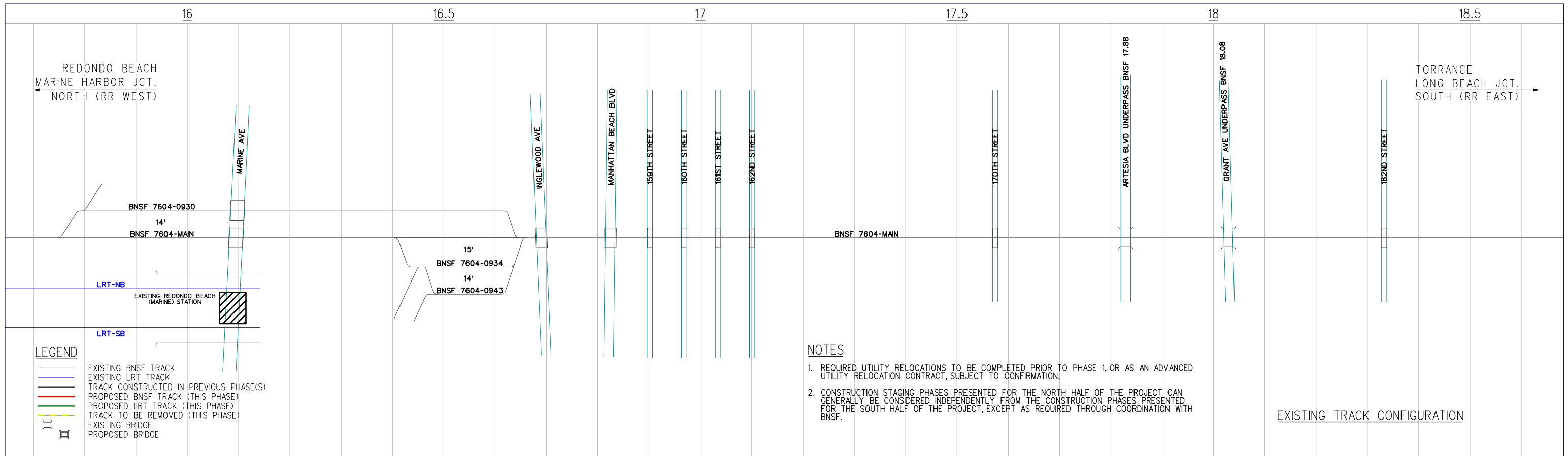
LOS ANGELES COUNTY METROPOLITAN
TRANSPORTATION AUTHORITY
MS McLean & Schultz
Structural Engineers + Architects
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION
SOUTH BAY GALLERIA AERIAL STATION
ARCHITECTURAL RENDERINGS

CONTRACT NO
AE63445001
DRAWING NO
A-452
SCALE
NO SCALE
SHEET NO
REV 0

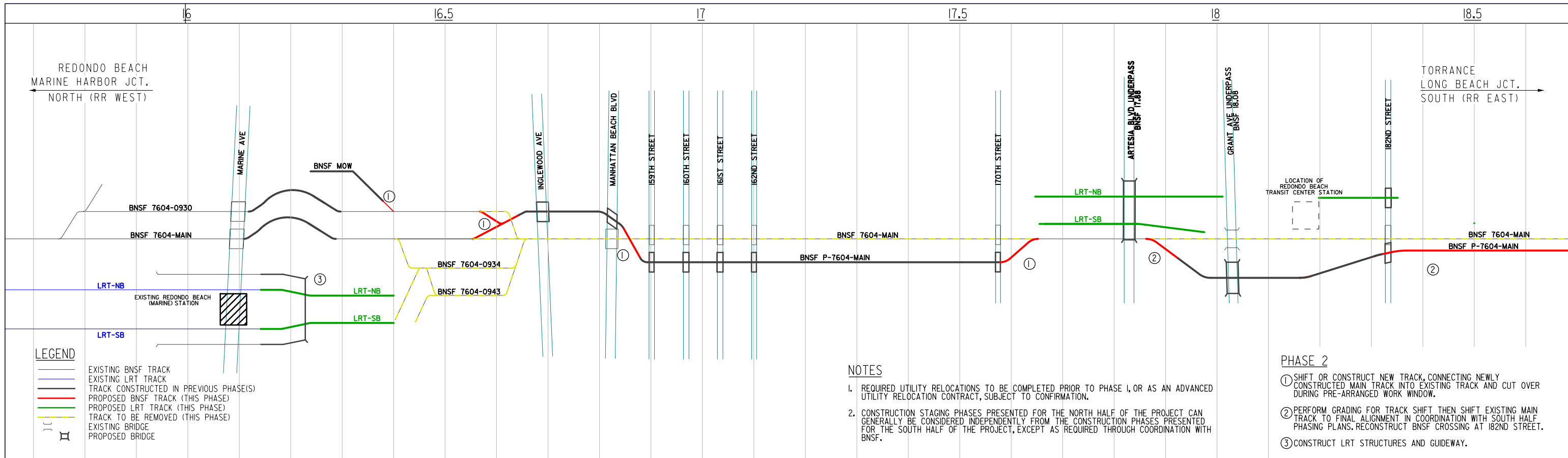
REV	DATE	BY	SUB	APP

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			<p>DRAWN BY H. DADSETAN</p>			<p>REVISION SHEET NO.</p>
REV.	DATE	BY	APP.	<p>CHECKED BY G. THOMPSON</p>	<p>STV 100 Years</p>	SCALE
				<p>APPROVED BY A. SOKOL</p>		<p>SUBMITTED: _____ PROJECT MANAGER</p>
				<p>DATE 7/22/2022</p>	<p>APPROVED: _____</p>	

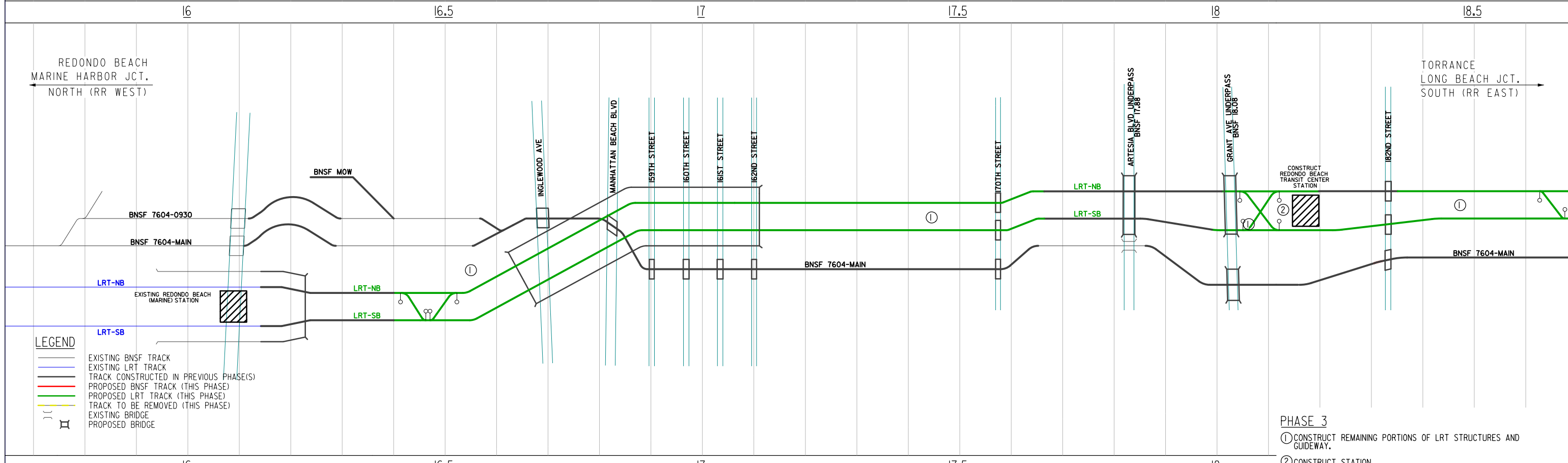
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- LEGEND**
- EXISTING BNSF TRACK
 - EXISTING LRT TRACK
 - TRACK CONSTRUCTED IN PREVIOUS PHASE(S)
 - PROPOSED BNSF TRACK (THIS PHASE)
 - PROPOSED LRT TRACK (THIS PHASE)
 - TRACK TO BE REMOVED (THIS PHASE)
 - EXISTING BRIDGE
 - PROPOSED BRIDGE

- NOTES**
1. REQUIRED UTILITY RELOCATIONS TO BE COMPLETED PRIOR TO PHASE 1, OR AS AN ADVANCED UTILITY RELOCATION CONTRACT, SUBJECT TO CONFIRMATION.
 2. CONSTRUCTION STAGING PHASES PRESENTED FOR THE NORTH HALF OF THE PROJECT CAN GENERALLY BE CONSIDERED INDEPENDENTLY FROM THE CONSTRUCTION PHASES PRESENTED FOR THE SOUTH HALF OF THE PROJECT, EXCEPT AS REQUIRED THROUGH COORDINATION WITH BNSF.

- PHASE 2**
1. SHIFT OR CONSTRUCT NEW TRACK, CONNECTING NEWLY CONSTRUCTED MAIN TRACK INTO EXISTING TRACK AND CUT OVER DURING PRE-ARRANGED WORK WINDOW.
 2. PERFORM GRADING FOR TRACK SHIFT THEN SHIFT EXISTING MAIN TRACK TO FINAL ALIGNMENT IN COORDINATION WITH SOUTH HALF PHASING PLANS. RECONSTRUCT BNSF CROSSING AT 182ND STREET.
 3. CONSTRUCT LRT STRUCTURES AND GUIDEWAY.



- LEGEND**
- EXISTING BNSF TRACK
 - EXISTING LRT TRACK
 - TRACK CONSTRUCTED IN PREVIOUS PHASE(S)
 - PROPOSED BNSF TRACK (THIS PHASE)
 - PROPOSED LRT TRACK (THIS PHASE)
 - TRACK TO BE REMOVED (THIS PHASE)
 - EXISTING BRIDGE
 - PROPOSED BRIDGE

- PHASE 3**
1. CONSTRUCT REMAINING PORTIONS OF LRT STRUCTURES AND GUIDEWAY.
 2. CONSTRUCT STATION.

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REV.	DATE	BY	SUB.	APP.

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

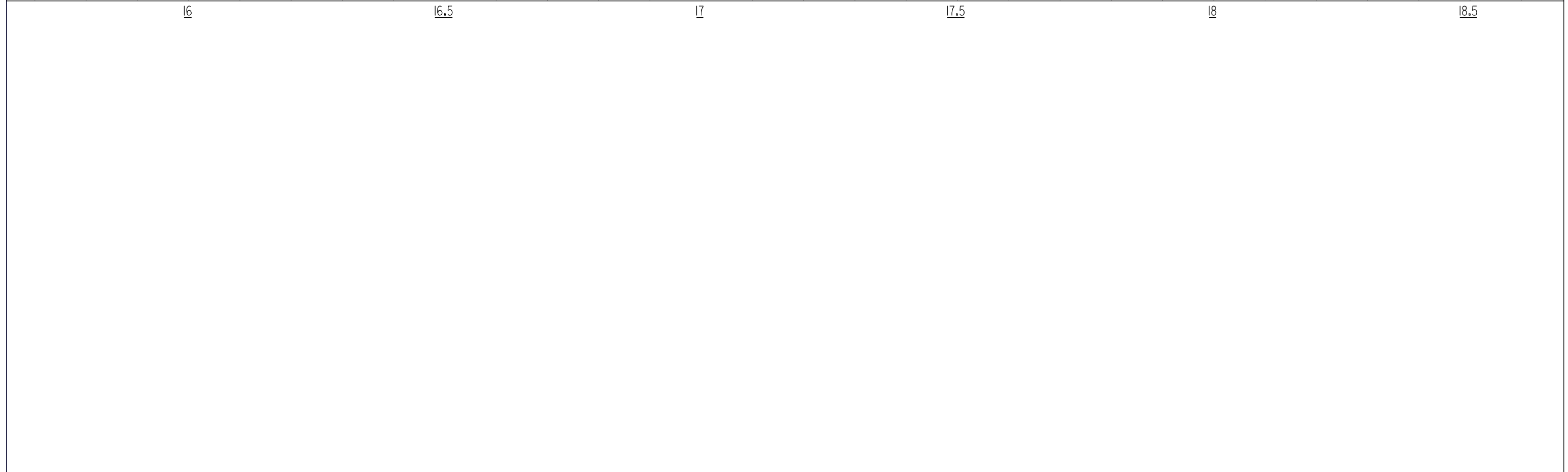
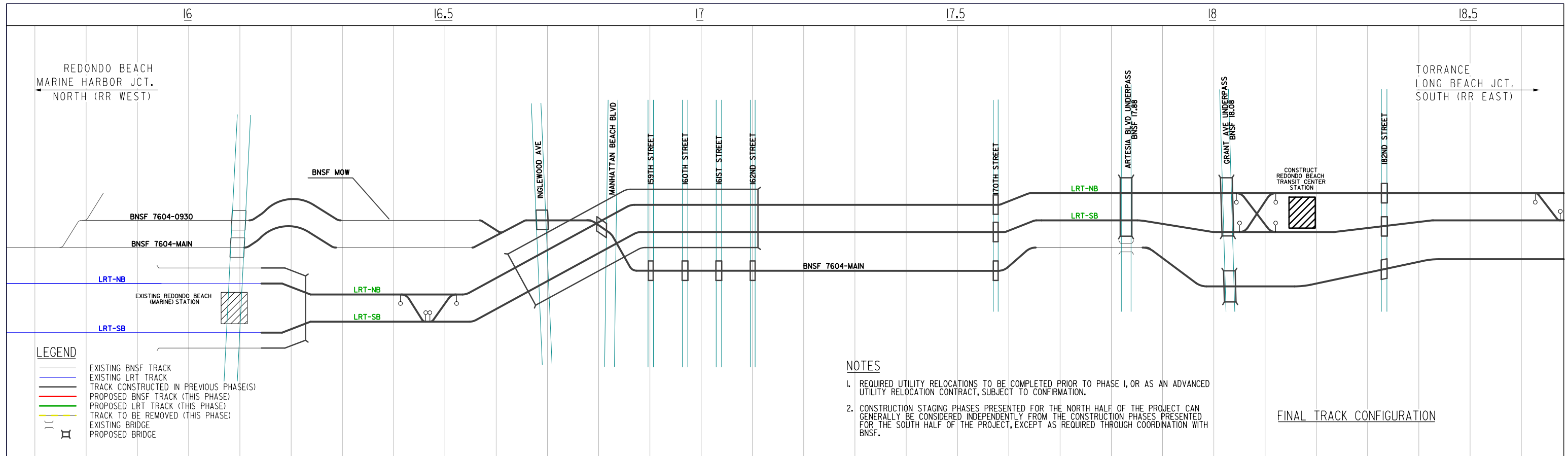
SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROP PROJECT - CONSTRUCTION STAGING PLANS
LRTS 273+00 TO LRTS 410+00 (NORTH)
SHEET 2 OF 3

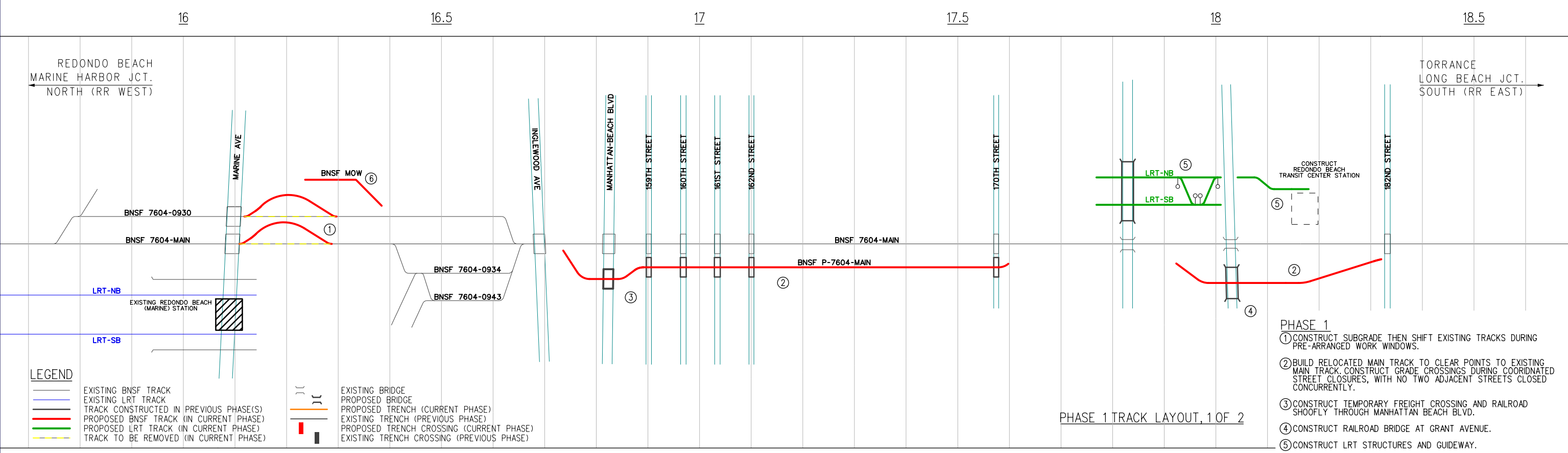
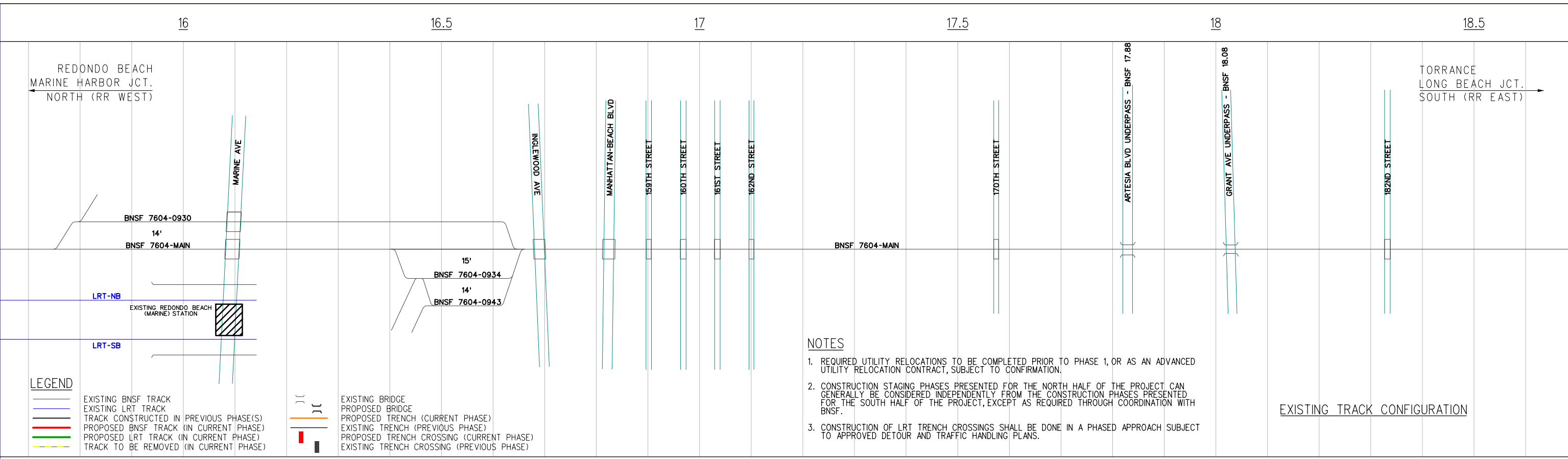
CONTRACT NO. AE63445001	
DRAWING NO. SG-102	
REVISION	SHEET NO.
SCALE	NO SCALE

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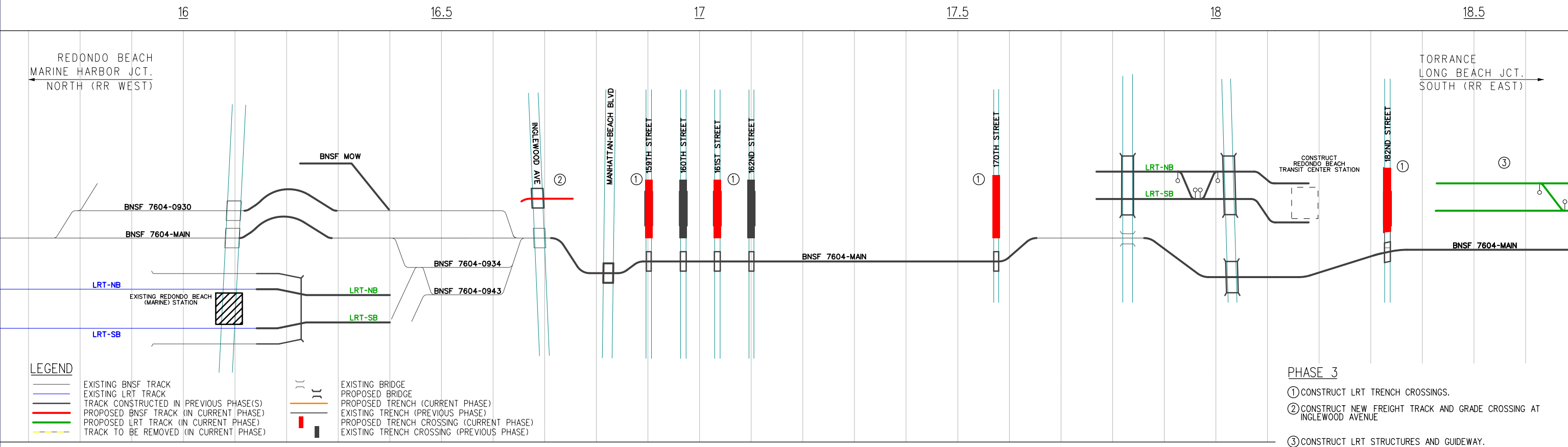
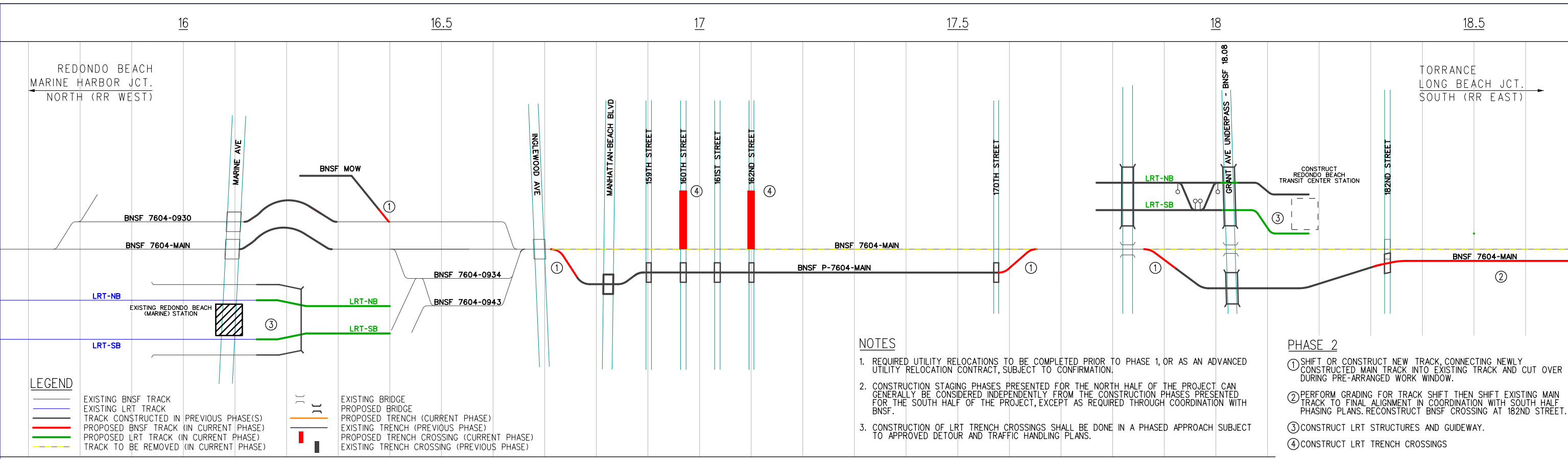
<p style="font-size: 2em; opacity: 0.5;">NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and information furnished hereafter shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>		<p>DESIGNED BY H. DADSETAN</p> <p>DRAWN BY H. DADSETAN</p> <p>CHECKED BY G. THOMPSON</p> <p>APPROVED BY A. SOKOL</p> <p>DATE 12/9/2022</p>	<p>M LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p> <p>STV 100 Years</p>	<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROP PROJECT - CONSTRUCTION STAGING PLANS LRTS 273+00 TO LRTS 410+00 (NORTH) SHEET 3 OF 3</p>	<p>CONTRACT NO. AE63445001 DRAWING NO. SG-103 REVISION SHEET NO. SCALE NO SCALE</p>
		<p>REV. DATE</p>	<p>BY SUB. APP.</p>	<p>SUBMITTED: _____ PROJECT MANAGER</p> <p>APPROVED: _____</p>			

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			<p>DRAWN BY H. DADSETAN</p>			<p>REVISION SHEET NO.</p>
REV.	DATE	BY	APP.	<p>CHECKED BY G. THOMPSON</p>	<p>STV 100 Years</p>	<p>SCALE NO SCALE</p>
				<p>APPROVED BY A. SOKOL</p>	<p>SUBMITTED: _____ PROJECT MANAGER</p>	
				<p>DATE 7/22/2022</p>	<p>APPROVED: _____</p>	

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DESIGNED BY
H. DADSETAN
DRAWN BY
H. DADSETAN
CHECKED BY
G. THOMPSON
APPROVED BY
A. SOKOL
DATE
7/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

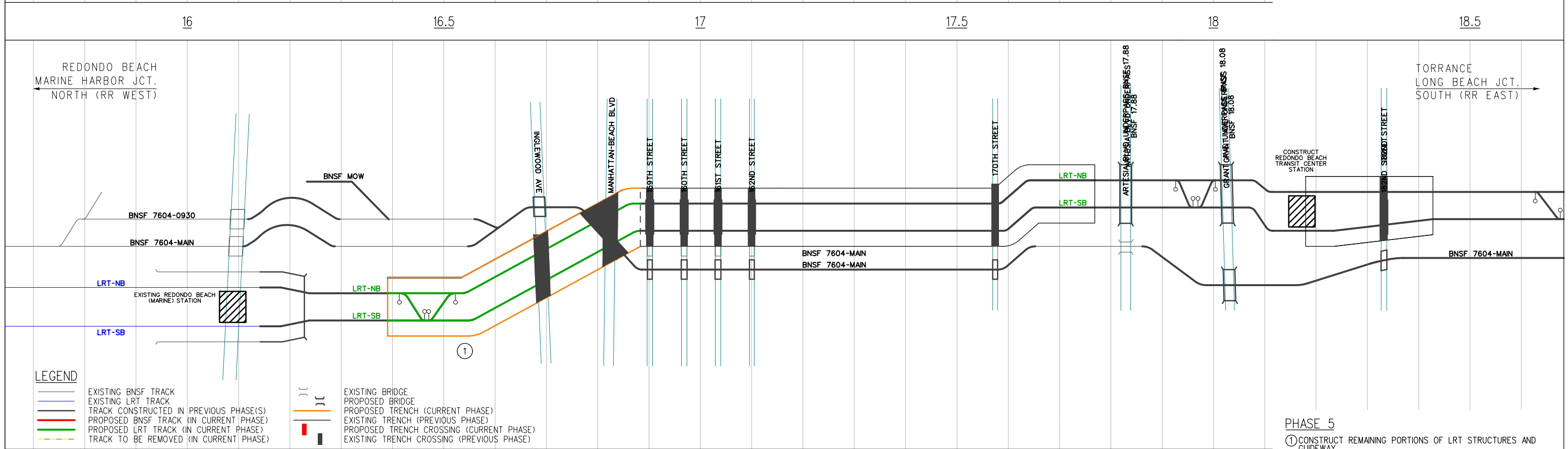
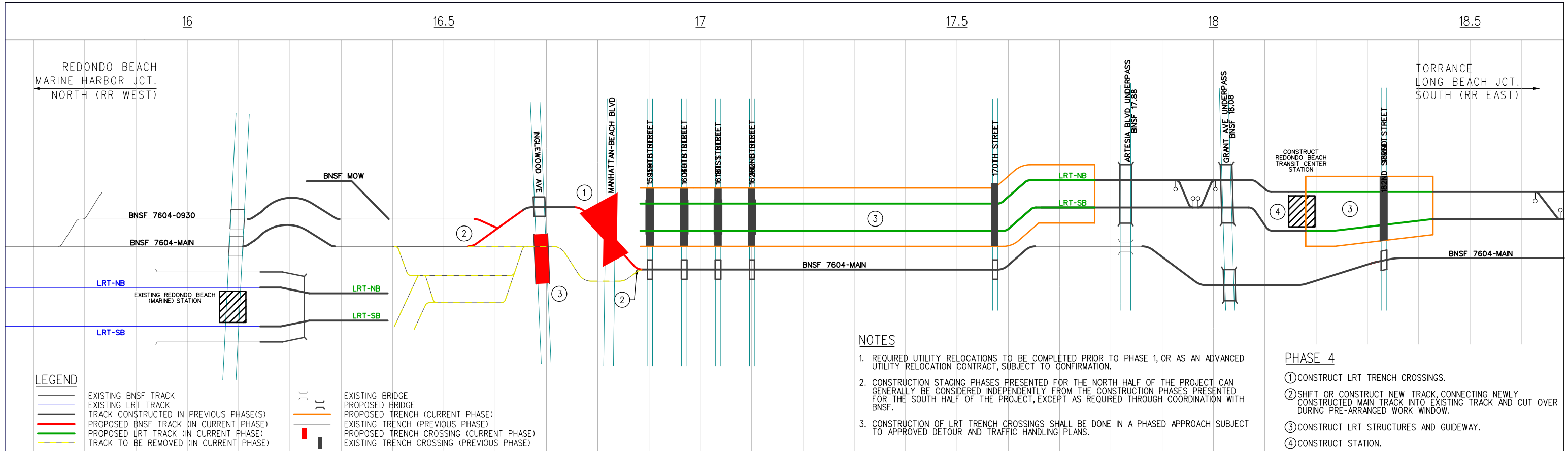
STV 100 Years

SUBMITTED: _____ PROJECT MANAGER
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
TRENCH OPT - CONSTRUCTION STAGING PLANS
LRTS 273+00 TO LRTS 410+00 (NORTH)
SHEET 2 OF 3

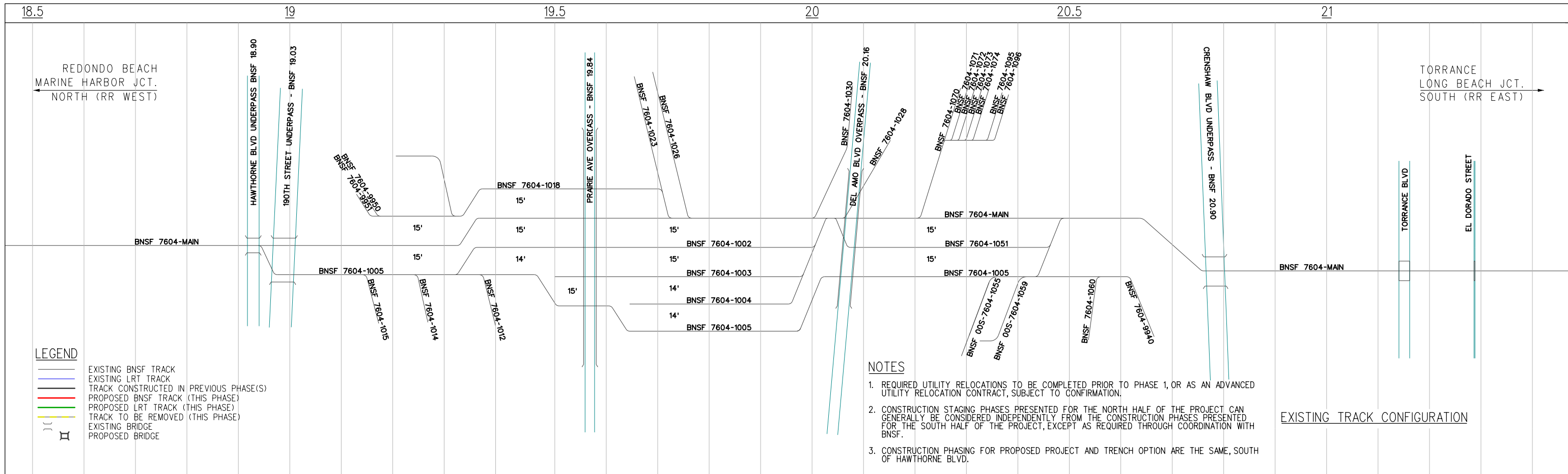
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DRAWING NO. SG-107
REVISION SHEET NO.
SCALE NO SCALE

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			<p>DRAWN BY H. DADSETAN</p>			<p>STV 100 Years</p>
<p>REV. DATE</p>	<p>BY SUB. APP.</p>	<p>DATE 7/22/2022</p>	<p>CHECKED BY G. THOMPSON</p>	<p>APPROVED:</p>	<p>REVISION SHEET NO.</p>	<p>SCALE NO SCALE</p>

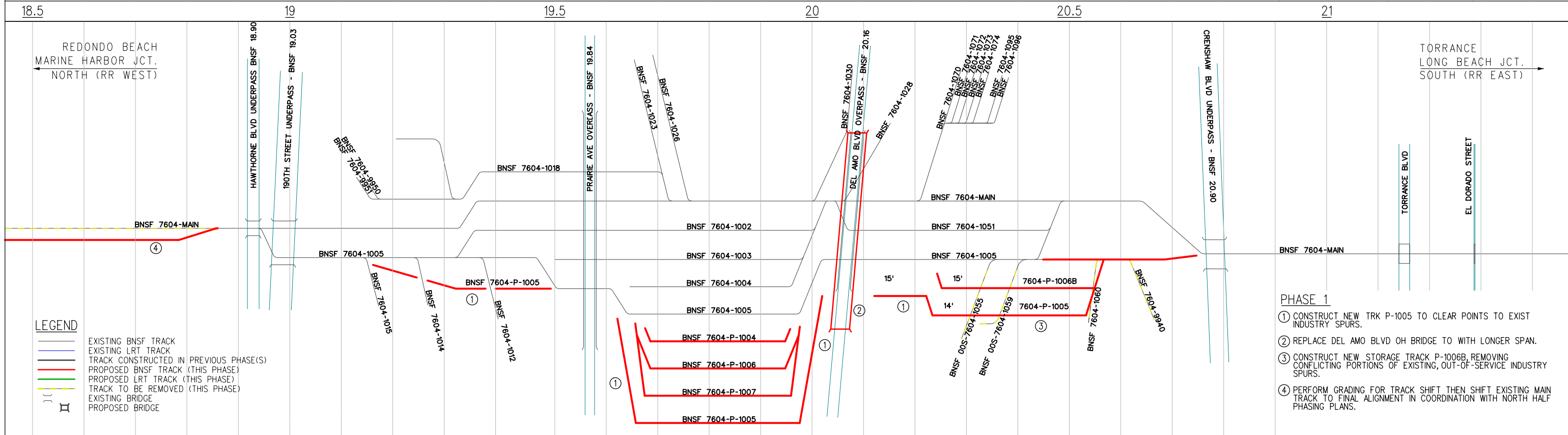
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- LEGEND**
- EXISTING BNSF TRACK
 - EXISTING LRT TRACK
 - TRACK CONSTRUCTED IN PREVIOUS PHASE(S)
 - PROPOSED BNSF TRACK (THIS PHASE)
 - PROPOSED LRT TRACK (THIS PHASE)
 - TRACK TO BE REMOVED (THIS PHASE)
 - EXISTING BRIDGE
 - PROPOSED BRIDGE

- NOTES**
1. REQUIRED UTILITY RELOCATIONS TO BE COMPLETED PRIOR TO PHASE 1, OR AS AN ADVANCED UTILITY RELOCATION CONTRACT, SUBJECT TO CONFIRMATION.
 2. CONSTRUCTION STAGING PHASES PRESENTED FOR THE NORTH HALF OF THE PROJECT CAN GENERALLY BE CONSIDERED INDEPENDENTLY FROM THE CONSTRUCTION PHASES PRESENTED FOR THE SOUTH HALF OF THE PROJECT, EXCEPT AS REQUIRED THROUGH COORDINATION WITH BNSF.
 3. CONSTRUCTION PHASING FOR PROPOSED PROJECT AND TRENCH OPTION ARE THE SAME, SOUTH OF HAWTHORNE BLVD.

EXISTING TRACK CONFIGURATION

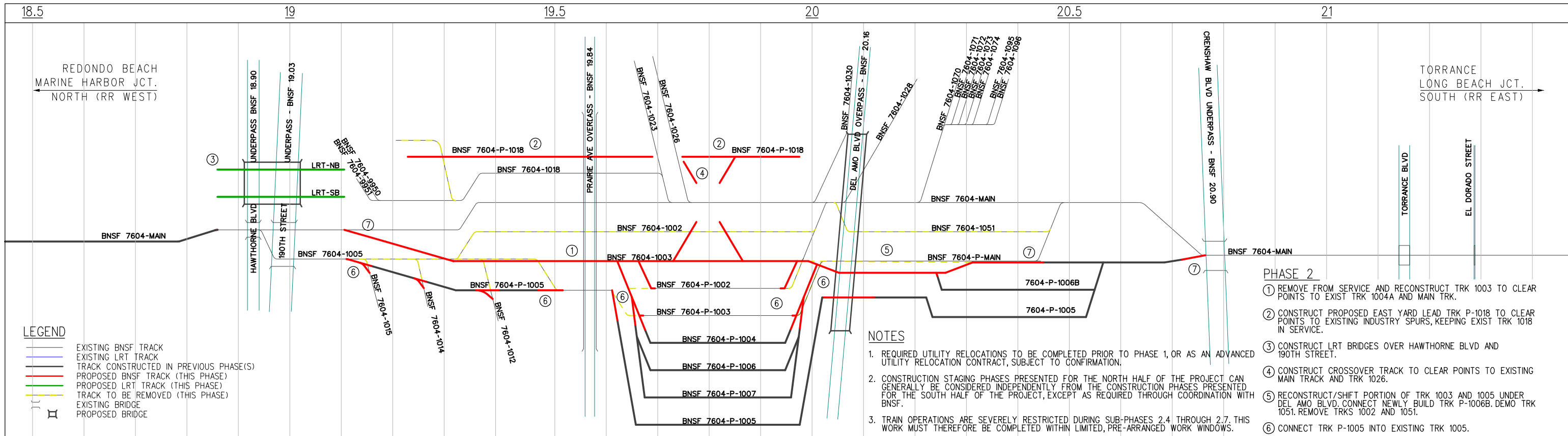


- LEGEND**
- EXISTING BNSF TRACK
 - EXISTING LRT TRACK
 - TRACK CONSTRUCTED IN PREVIOUS PHASE(S)
 - PROPOSED BNSF TRACK (THIS PHASE)
 - PROPOSED LRT TRACK (THIS PHASE)
 - TRACK TO BE REMOVED (THIS PHASE)
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- PHASE 1**
- ① CONSTRUCT NEW TRK P-1005 TO CLEAR POINTS TO EXIST INDUSTRY SPURS.
 - ② REPLACE DEL AMO BLVD OH BRIDGE TO WITH LONGER SPAN.
 - ③ CONSTRUCT NEW STORAGE TRACK P-1006B, REMOVING CONFLICTING PORTIONS OF EXISTING, OUT-OF-SERVICE INDUSTRY SPURS.
 - ④ PERFORM GRADING FOR TRACK SHIFT THEN SHIFT EXISTING MAIN TRACK TO FINAL ALIGNMENT IN COORDINATION WITH NORTH HALF PHASING PLANS.

<p style="font-size: 2em; opacity: 0.5;">NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall not be confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>		<p>DESIGNED BY H. DADSETAN</p> <p>DRAWN BY H. DADSETAN</p> <p>CHECKED BY G. THOMPSON</p> <p>APPROVED BY A. SOKOL</p> <p>DATE 7/22/2022</p>		<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>		<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROP PROJECT - CONSTRUCTION STAGING PLANS LRTS 398+00 TO LRTS 554+00 (SOUTH) SHEET 1 OF 3</p>		<p>CONTRACT NO. AE63445001 DRAWING NO. SG-111</p> <p>REVISION SHEET NO.</p> <p>SCALE NO SCALE</p>	
		<p>REVISION SHEET NO.</p> <p>SCALE NO SCALE</p>		<p>SUBMITTED: _____ PROJECT MANAGER</p> <p>APPROVED: _____</p>		<p>STV 100 Years</p>					

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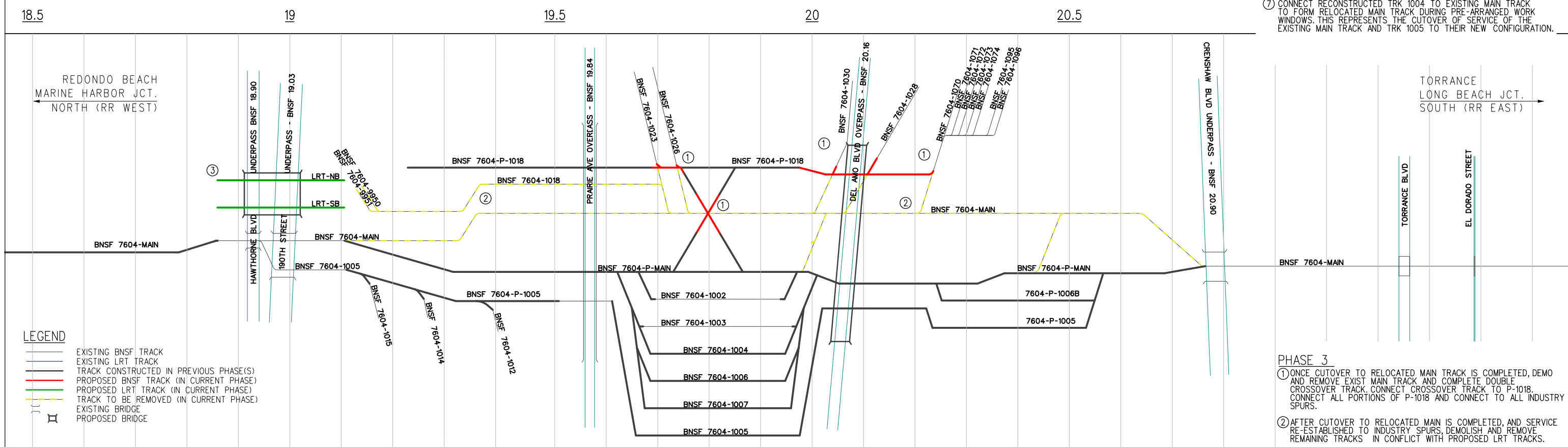
LEGEND
 — EXISTING BNSF TRACK
 — EXISTING LRT TRACK
 — TRACK CONSTRUCTED IN PREVIOUS PHASE(S)
 — PROPOSED BNSF TRACK (THIS PHASE)
 — PROPOSED LRT TRACK (THIS PHASE)
 — TRACK TO BE REMOVED (THIS PHASE)
 — EXISTING BRIDGE
 — PROPOSED BRIDGE

NOTES

1. REQUIRED UTILITY RELOCATIONS TO BE COMPLETED PRIOR TO PHASE 1, OR AS AN ADVANCED UTILITY RELOCATION CONTRACT, SUBJECT TO CONFIRMATION.
2. CONSTRUCTION STAGING PHASES PRESENTED FOR THE NORTH HALF OF THE PROJECT CAN GENERALLY BE CONSIDERED INDEPENDENTLY FROM THE CONSTRUCTION PHASES PRESENTED FOR THE SOUTH HALF OF THE PROJECT, EXCEPT AS REQUIRED THROUGH COORDINATION WITH BNSF.
3. TRAIN OPERATIONS ARE SEVERELY RESTRICTED DURING SUB-PHASES 2.4 THROUGH 2.7. THIS WORK MUST THEREFORE BE COMPLETED WITHIN LIMITED, PRE-ARRANGED WORK WINDOWS.

PHASE 2

- 1 REMOVE FROM SERVICE AND RECONSTRUCT TRK 1003 TO CLEAR POINTS TO EXIST TRK 1004A AND MAIN TRK.
- 2 CONSTRUCT PROPOSED EAST YARD LEAD TRK P-1018 TO CLEAR POINTS TO EXISTING INDUSTRY SPURS, KEEPING EXIST TRK 1018 IN SERVICE.
- 3 CONSTRUCT LRT BRIDGES OVER HAWTHORNE BLVD AND 190TH STREET.
- 4 CONSTRUCT CROSSOVER TRACK TO CLEAR POINTS TO EXISTING MAIN TRACK AND TRK 1026.
- 5 RECONSTRUCT/SHIFT PORTION OF TRK 1003 AND 1005 UNDER DEL AMO BLVD. CONNECT NEWLY BUILD TRK P-1006B. DEMO TRK 1051. REMOVE TRKS 1002 AND 1051.
- 6 CONNECT TRK P-1005 INTO EXISTING TRK 1005.
- 7 CONNECT RECONSTRUCTED TRK 1004 TO EXISTING MAIN TRACK TO FORM RELOCATED MAIN TRACK DURING PRE-ARRANGED WORK WINDOWS. THIS REPRESENTS THE CUTOVER OF SERVICE OF THE EXISTING MAIN TRACK AND TRK 1005 TO THEIR NEW CONFIGURATION.



LEGEND
 — EXISTING BNSF TRACK
 — EXISTING LRT TRACK
 — TRACK CONSTRUCTED IN PREVIOUS PHASE(S)
 — PROPOSED BNSF TRACK (IN CURRENT PHASE)
 — PROPOSED LRT TRACK (IN CURRENT PHASE)
 — TRACK TO BE REMOVED (IN CURRENT PHASE)
 — EXISTING BRIDGE
 — PROPOSED BRIDGE

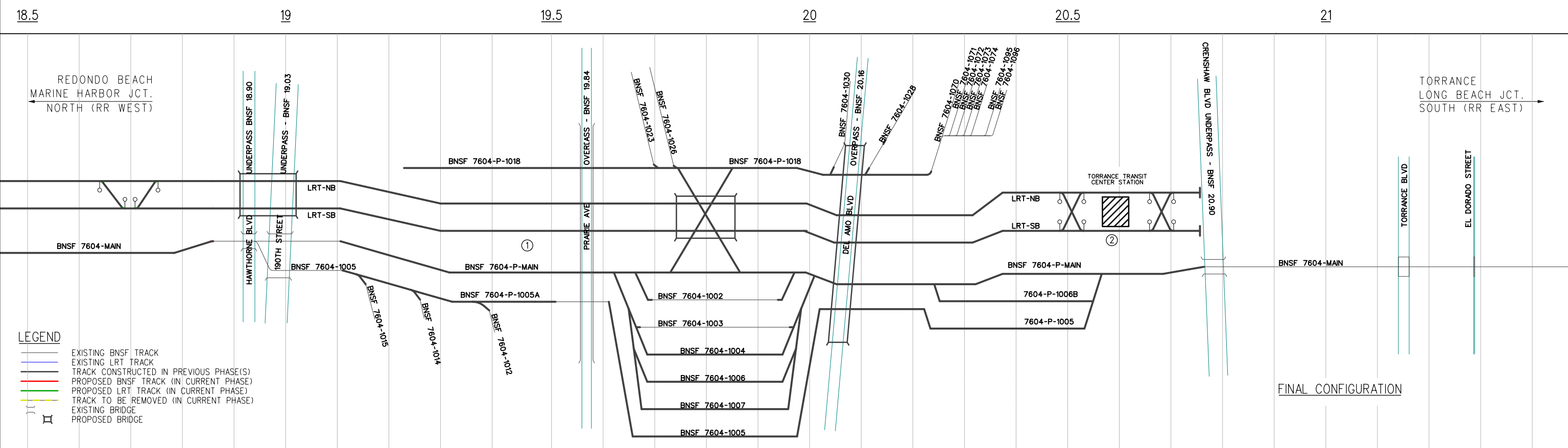
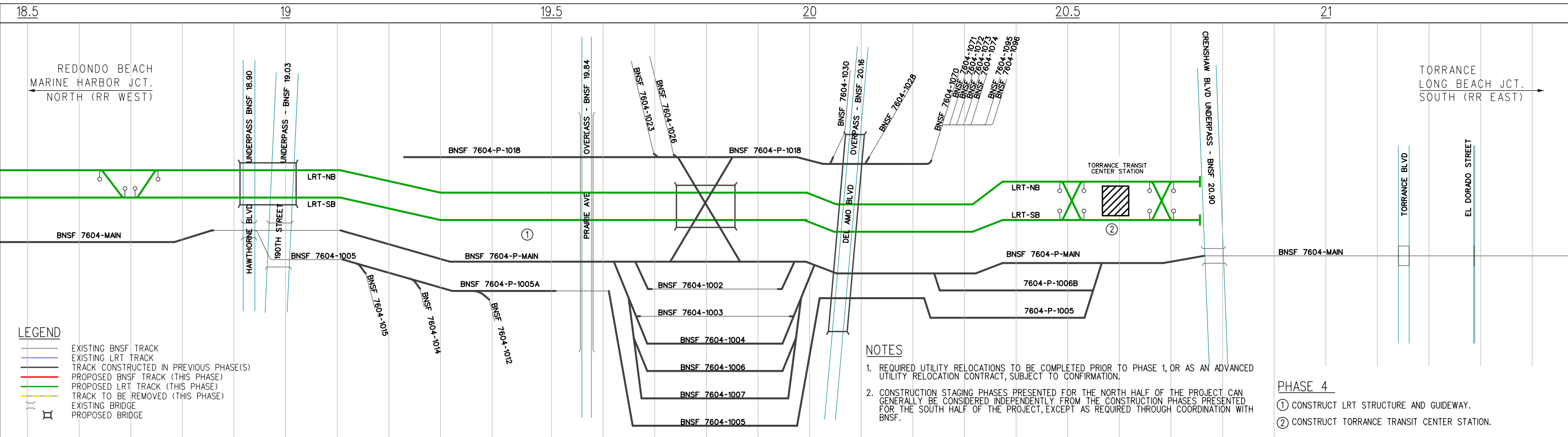
PHASE 3

- 1 ONCE CUTOVER TO RELOCATED MAIN TRACK IS COMPLETED, DEMO AND REMOVE EXIST MAIN TRACK AND COMPLETE DOUBLE CROSSOVER TRACK. CONNECT CROSSOVER TRACK TO P-1018. CONNECT ALL PORTIONS OF P-1018 AND CONNECT TO ALL INDUSTRY SPURS.
- 2 AFTER CUTOVER TO RELOCATED MAIN IS COMPLETED, AND SERVICE RE-ESTABLISHED TO INDUSTRY SPURS, DEMOLISH AND REMOVE REMAINING TRACKS IN CONFLICT WITH PROPOSED LRT TRACKS.
- 3 CONTINUE CONSTRUCTION OF LRT BRIDGES OVER HAWTHORNE BLVD AND 190TH STREET.

<p>NOT FOR CONSTRUCTION</p>		<p>INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.</p>		<p>DESIGNED BY H. DADSETAN</p>	<p>LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>	<p>METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROP PROJECT - CONSTRUCTION STAGING PLANS LRTS 398+00 TO LRTS 554+00 (SOUTH) SHEET 2 OF 3</p>	<p>CONTRACT NO. AE63445001 DRAWING NO. SG-112</p>
		<p>CHECKED BY G. THOMPSON</p>	<p>APPROVED BY A. SOKOL</p>	<p>REVISION SHEET NO.</p>			
REV.	DATE	BY	APP.	DATE	SUBMITTED:	APPROVED:	SCALE
				7/22/2022			NO SCALE



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DESIGNED BY
H. DADSETAN

DRAWN BY
H. DADSETAN

CHECKED BY
G. THOMPSON

APPROVED BY
A. SOKOL

DATE
7/22/2022

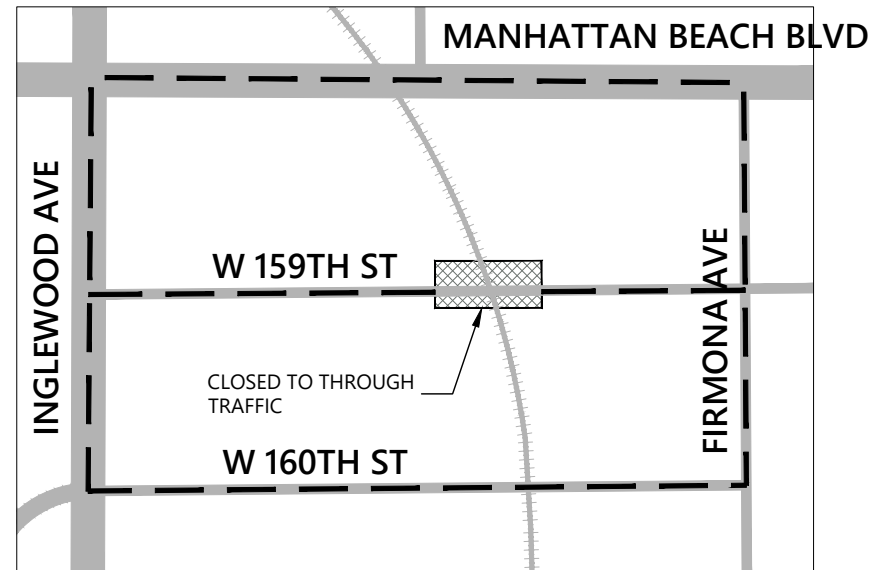
LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____
PROJECT MANAGER

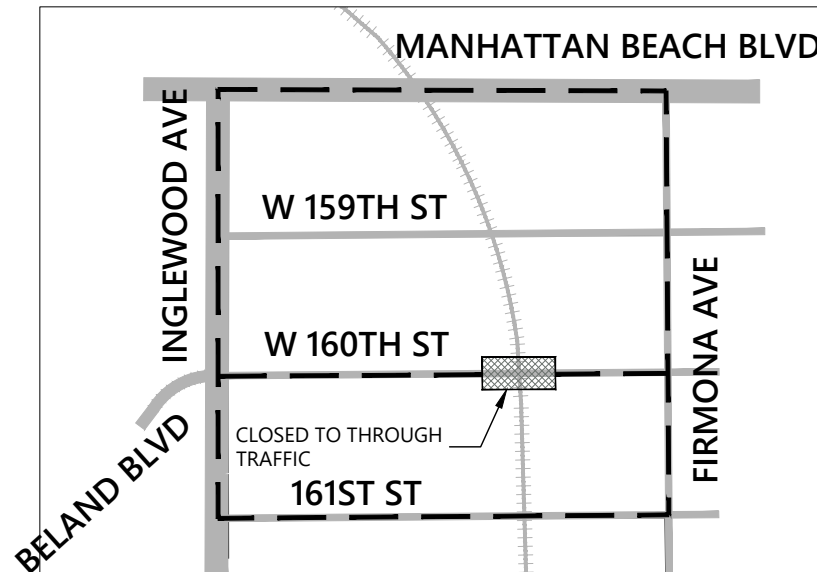
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROP PROJECT - CONSTRUCTION STAGING PLANS
LRTS 398+00 TO LRTS 554+00 (SOUTH)
SHEET 3 OF 3

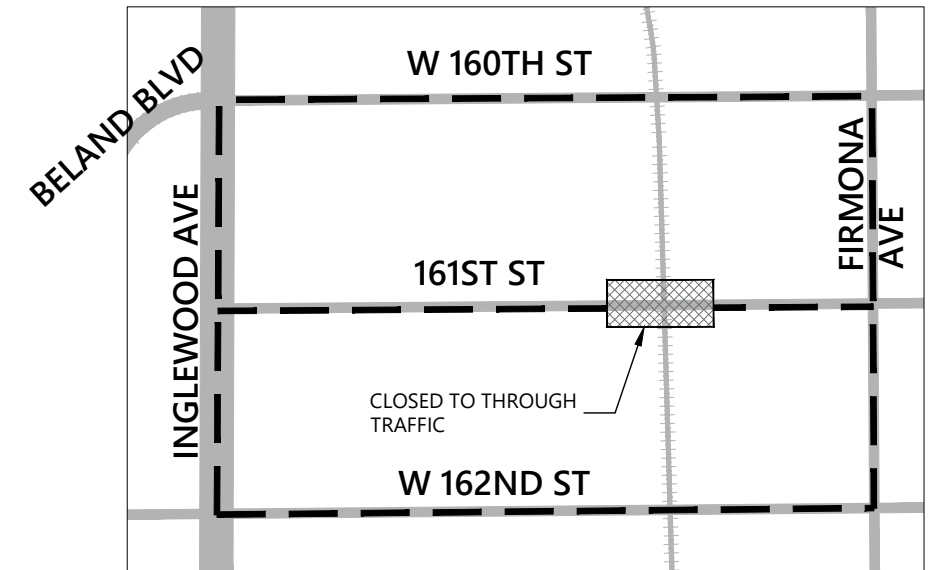
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DRAWING NO. SG-113	
REVISION	SHEET NO.
SCALE	NO SCALE



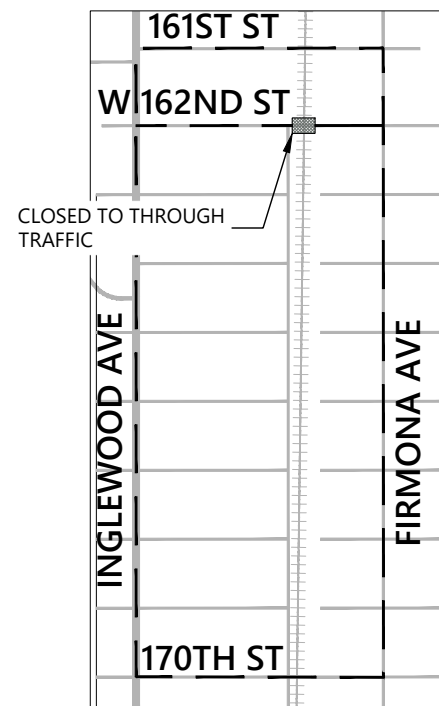
W 159TH ST DETOUR ROUTE
N.T.S



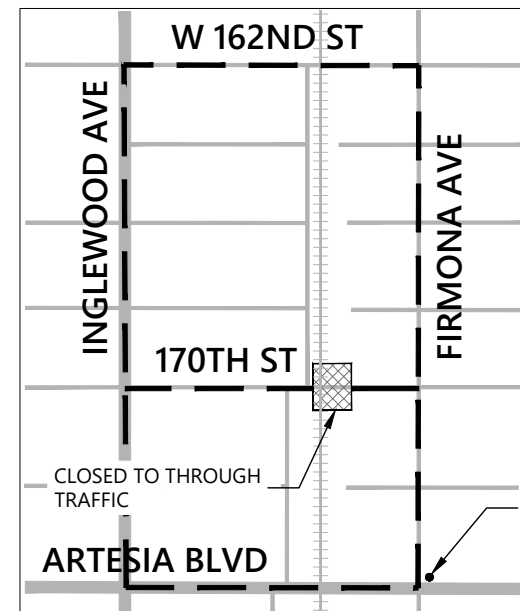
W 160TH ST DETOUR ROUTE
N.T.S



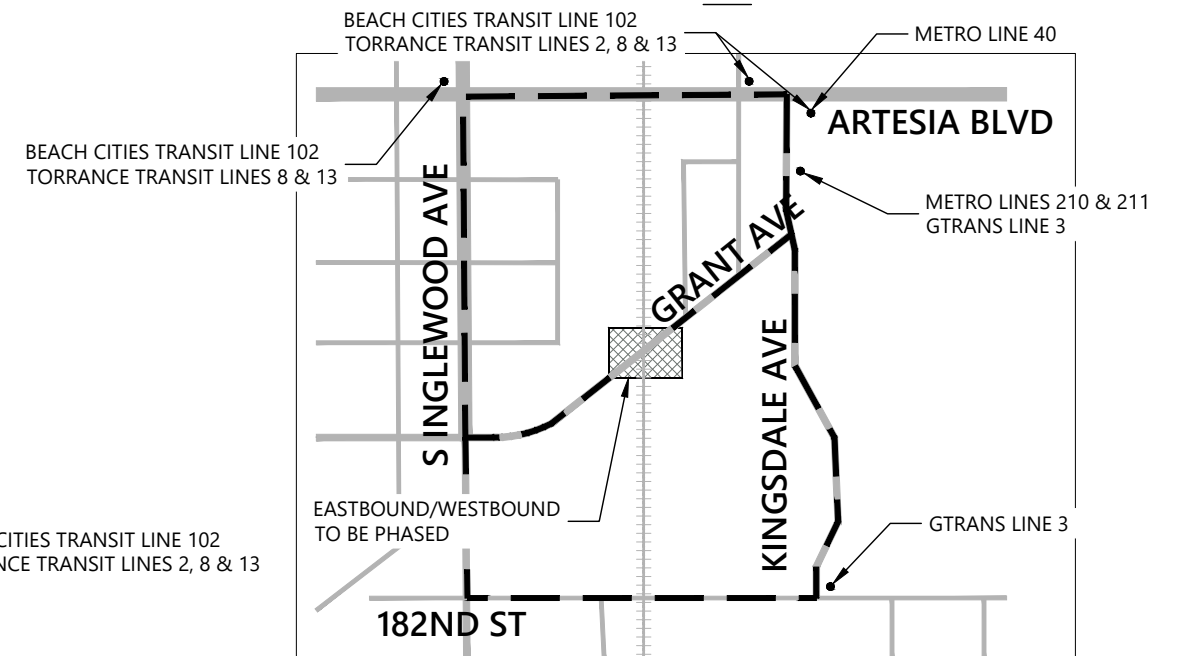
161ST ST DETOUR ROUTE
N.T.S



W 162ND ST DETOUR ROUTE
N.T.S



170TH ST DETOUR ROUTE
N.T.S



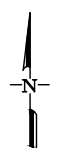
DETOUR PLAN ON GRANT ROUTE
N.T.S

LEGEND:

- WORK ZONE
- DETOUR ROUTE(S)
- TRANSIT STOP
- RAILROAD

TYPICAL DETOUR SIGNS:

- ROAD CLOSED
R11-2
- DETOUR
SC3(CA)
- DETOUR
M4-10R
- DETOUR
M4-10L
- END DETOUR
M4-8a
- ROAD CLOSED AHEAD
C19(CA)
- ROAD WORK AHEAD
C23(CA)



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	DRAWN BY KR
	CHECKED BY KC
	APPROVED BY CS
	DATE 07/14/2022

NOT FOR CONSTRUCTION

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

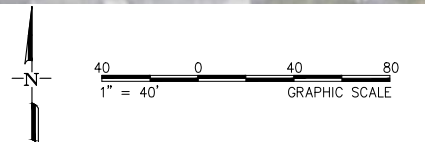
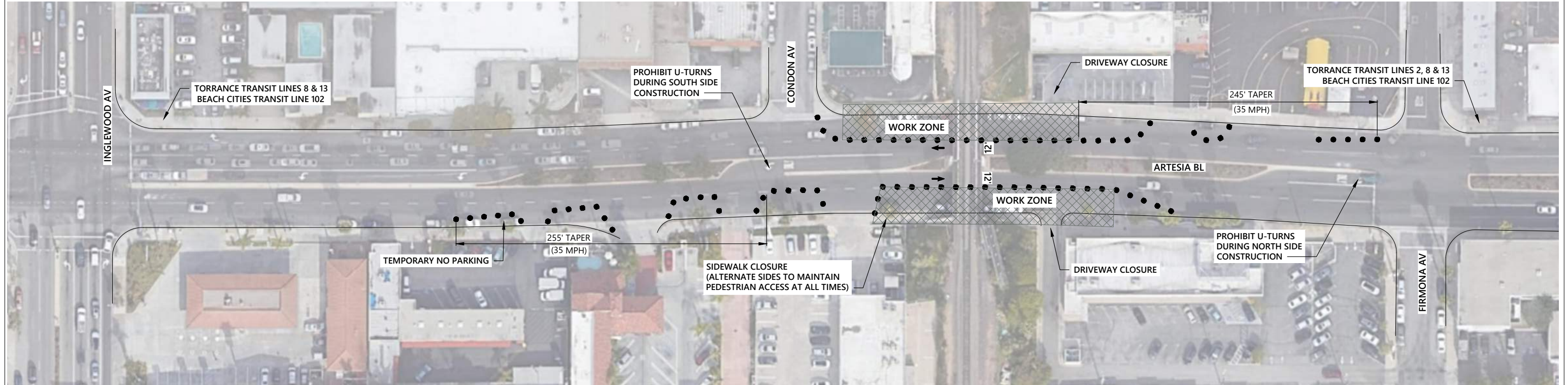
SUBMITTED: _____ PROJECT MANAGER

APPROVED: _____

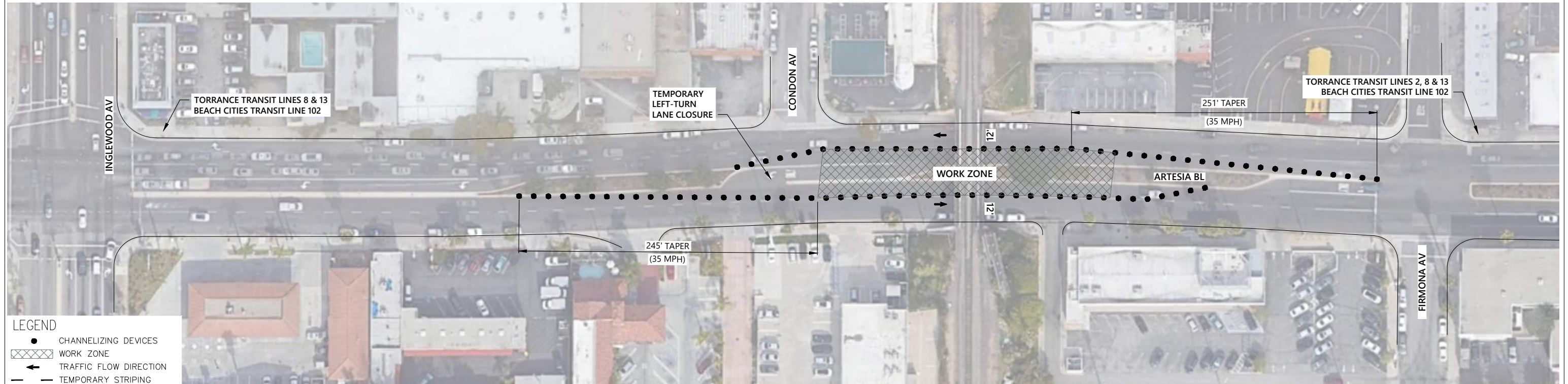
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
PROPOSED PROJECT
ROADWAY CLOSURE DETOUR ROUTES

CONTRACT NO. AE63445001	
DRAWING NO. TH-161	
REVISION	SHEET NO.
SCALE	AS SHOWN

PHASE A – CLOSE OUTER LANE IN BOTH DIRECTIONS AND SIDEWALKS ON ARTESIA BOULEVARD



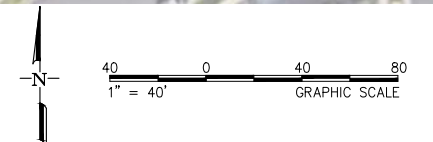
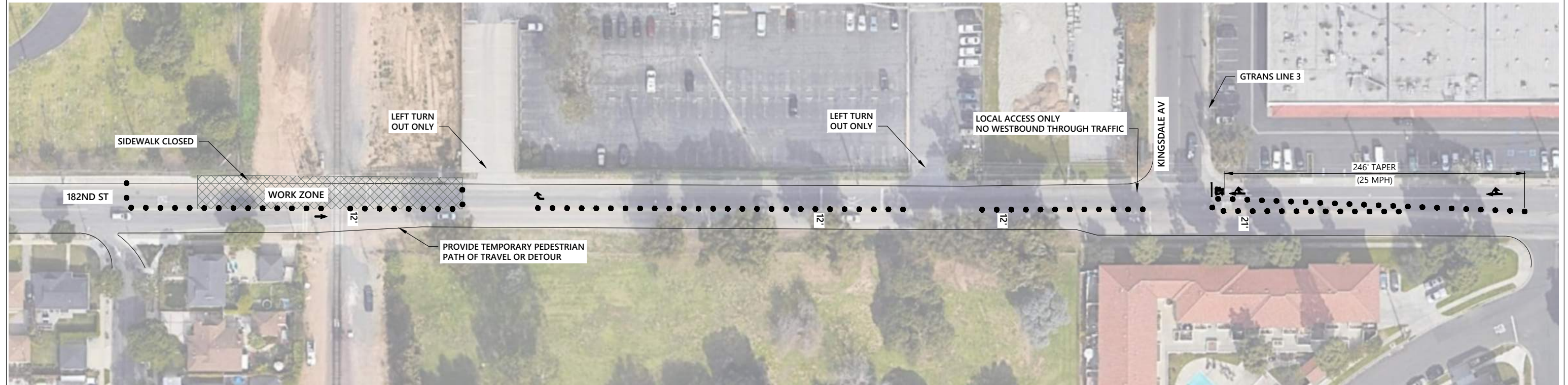
PHASE B – CLOSE CENTER MEDIAN LANE IN BOTH DIRECTIONS ON ARTESIA BOULEVARD



- LEGEND**
- CHANNELIZING DEVICES
 - ▨ WORK ZONE
 - ← TRAFFIC FLOW DIRECTION
 - TEMPORARY STRIPING

<p style="font-size: 2em; opacity: 0.5;">NOT FOR CONSTRUCTION</p>		INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential; and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.		DESIGNED BY RL/JS DRAWN BY RL/JS CHECKED BY KC APPROVED BY CS DATE 07/14/2022		<p style="font-size: 1.5em; font-weight: bold;">M Metro</p> <p style="font-size: 1.2em; font-weight: bold;">STV 100 Years</p>		LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY <p style="font-size: 1.2em; font-weight: bold;">FEHR PEERS</p>		METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROPOSED PROJECT ARTESIA BOULEVARD TRAFFIC HANDLING CONCEPT		CONTRACT NO. AE63445001 DRAWING NO. TH-165 REVISION SHEET NO. SCALE AS SHOWN	
		NOT FOR CONSTRUCTION		SUBMITTED: _____ PROJECT MANAGER APPROVED: _____		REV. DATE BY SUB. APP.							

PHASE A – CLOSE WESTBOUND 182ND STREET



PHASE B – CLOSE EASTBOUND 182ND STREET

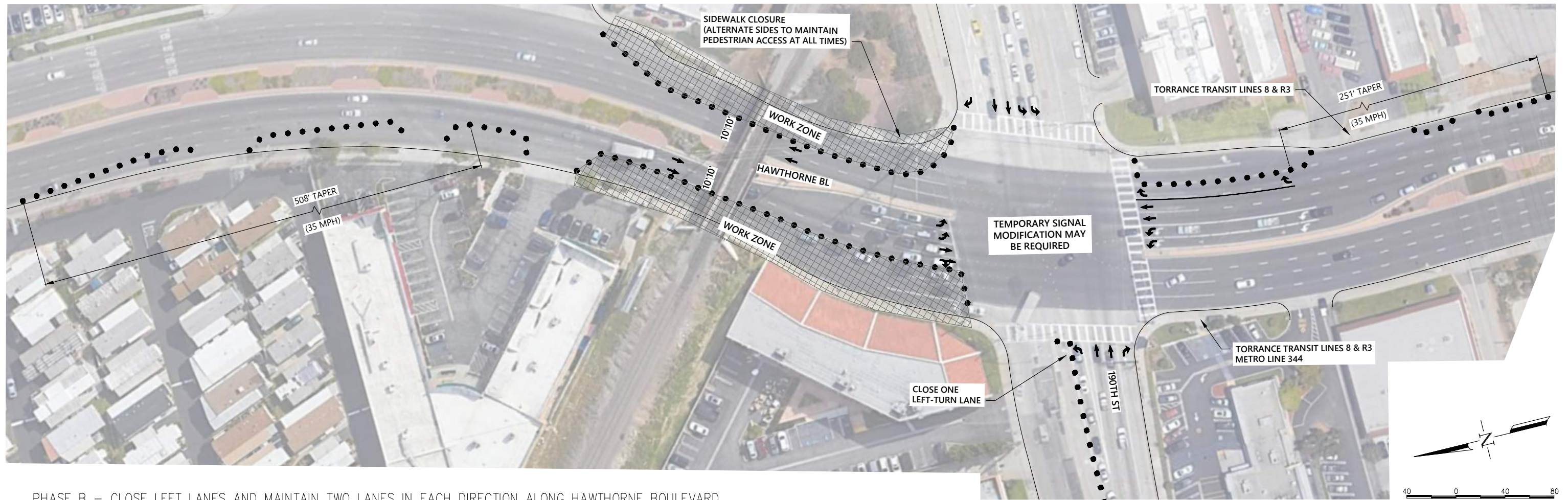


LEGEND

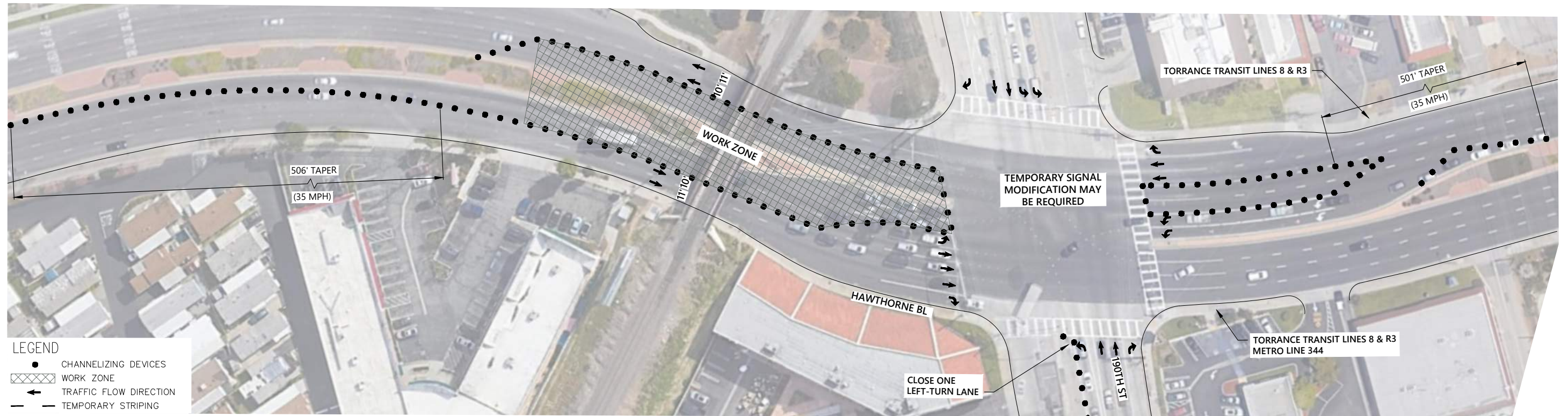
- CHANNELIZING DEVICES
- ▨ WORK ZONE
- ← TRAFFIC FLOW DIRECTION
- TEMPORARY STRIPING

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		SUBMITTED: _____ PROJECT MANAGER	APPROVED: _____	REV. DATE	BY SUB. APP.		

PHASE A – CLOSE SIDEWALKS AND OUTER TWO LANES ALONG HAWTHORNE BOULEVARD



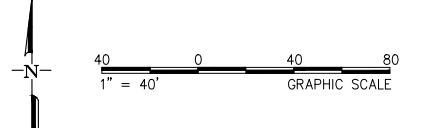
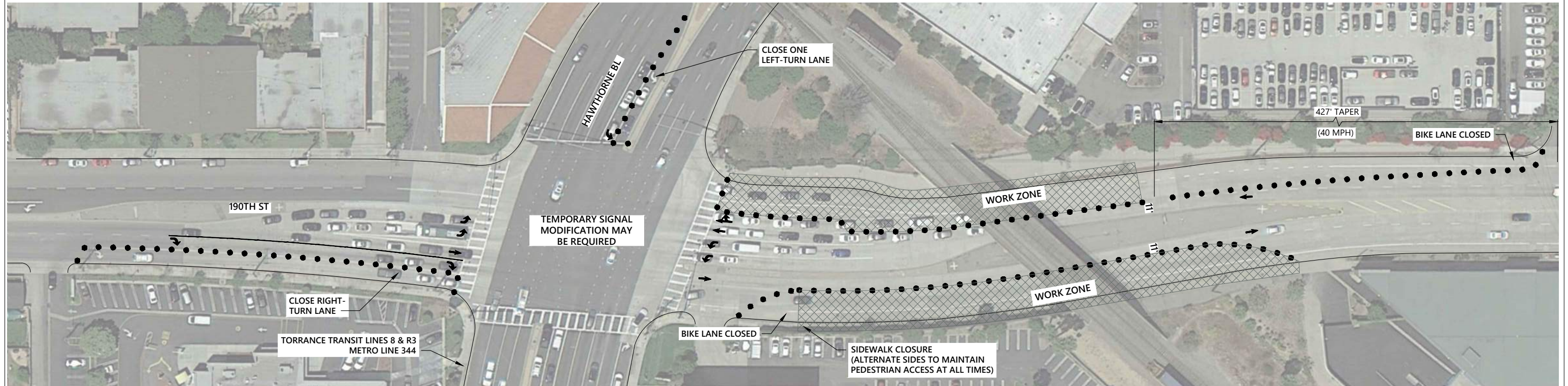
PHASE B – CLOSE LEFT LANES AND MAINTAIN TWO LANES IN EACH DIRECTION ALONG HAWTHORNE BOULEVARD



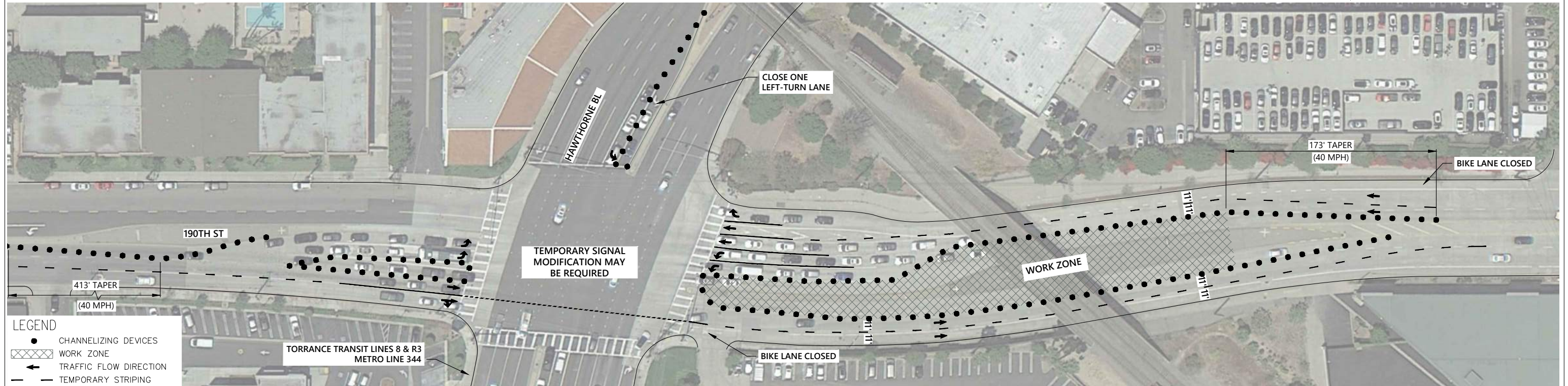
- LEGEND**
- CHANNELIZING DEVICES
 - ▨ WORK ZONE
 - ← TRAFFIC FLOW DIRECTION
 - TEMPORARY STRIPING

<p style="font-size: 2em; opacity: 0.5;">NOT FOR CONSTRUCTION</p>		INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential; and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.		DESIGNED BY RL/JS DRAWN BY RL/JS CHECKED BY KC APPROVED BY CS DATE 07/14/2022	<p style="font-size: 1.5em;">NOT FOR CONSTRUCTION</p>	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	 	METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING PROPOSED PROJECT HAWTHORNE BOULEVARD TRAFFIC HANDLING CONCEPT	CONTRACT NO. AE63445001 DRAWING NO. TH-175 REVISION SHEET NO. SCALE AS SHOWN
		SUBMITTED: _____ PROJECT MANAGER	APPROVED: _____	REV. DATE BY SUB. APP.					

PHASE A – CLOSE SIDEWALKS, BIKE LANES, AND OUTER TRAVEL LANES ALONG 190TH STREET



PHASE B – CLOSE CENTER MEDIAN LANES AND SHIFT TRAFFIC TO MAINTAIN TWO LANES IN EACH DIRECTION ALONG 190TH STREET



- LEGEND**
- CHANNELIZING DEVICES
 - ▨ WORK ZONE
 - ← TRAFFIC FLOW DIRECTION
 - TEMPORARY STRIPING

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			DRAWN BY RL/JS					CHECKED BY KC
REV.	DATE	BY	SUB.	APP.	SUBMITTED:	APPROVED:		



STAGE CONSTRUCTION AND TRAFFIC HANDLING SHEET INDEX

TRAFFIC HANDLING NOTES

LEGEND:

DRAWING	DRAWING TITLE	SUBTITLE
SG-700	TRAFFIC HANDLING AND STAGING GENERAL NOTES	
SG-701	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 453+00 TO LRTS 465+00, STAGE 1
SG-702	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 465+00 TO LRTS 477+00, STAGE 1
SG-703	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 477+00 TO LRTS 489+00, STAGE 1
SG-704	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 489+00 TO LRTS 501+00, STAGE 1
SG-705	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 501+00 TO LRTS 513+00, STAGE 1
SG-706	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 513+00 TO LRTS 525+00, STAGE 1
SG-707	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 525+00 TO LRTS 537+00, STAGE 1
SG-708	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 537+00 TO LRTS 549+00, STAGE 1
SG-709	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 394+32 TO LRTS 405+00, STAGE 2
SG-710	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 405+00 TO LRTS 417+00, STAGE 2
SG-711	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 417+00 TO LRTS 429+00, STAGE 2
SG-712	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 429+00 TO LRTS 441+00, STAGE 2
SG-713	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 441+00 TO LRTS 453+00, STAGE 2
SG-714	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 453+00 TO LRTS 465+00, STAGE 2
SG-715	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 465+00 TO LRTS 477+00, STAGE 2
SG-716	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 477+00 TO LRTS 489+00, STAGE 2
SG-717	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 489+00 TO LRTS 501+00, STAGE 2
SG-718	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 501+00 TO LRTS 513+00, STAGE 2
SG-719	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 513+00 TO LRTS 525+00, STAGE 2
SG-720	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 525+00 TO LRTS 537+00, STAGE 2
SG-721	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 537+00 TO LRTS 549+00, STAGE 2
SG-722	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 549+00 TO LRTS 561+00, STAGE 2
SG-723	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 561+00 TO LRTS 563+86, STAGE 2
SG-724	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 453+00 TO LRTS 465+00, STAGE 3
SG-725	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 465+00 TO LRTS 477+00, STAGE 3
SG-726	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 477+00 TO LRTS 489+00, STAGE 3
SG-727	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 489+00 TO LRTS 501+00, STAGE 3
SG-728	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 501+00 TO LRTS 513+00, STAGE 3
SG-729	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 513+00 TO LRTS 525+00, STAGE 3
SG-730	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 525+00 TO LRTS 537+00, STAGE 3
SG-731	TRAFFIC HANDLING AND STAGING PLAN	HAWTHORNE OPTION: LRTS 537+00 TO LRTS 549+00, STAGE 3
TH-701	TRAFFIC HANDLING - SIGNAGE & STRIPING SCHEMATIC	MID-BLOCK STREET WIDENING
TH-702	TRAFFIC HANDLING - SIGNAGE & STRIPING SCHEMATIC	CONSTRUCTION AT INTERSECTIONS

STAGE 1 - LEFT TURNS CONSTRUCTION AND STREET WIDENING

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 1

- CLOSE THE EXISTING NB AND SB LEFT TURN LANES AT 164TH AND ADJACENT PARKING AREAS. CONSTRUCT NEW LEFT TURN LANES. INSTALL TEMPORARY SIGNALIZATION BEFORE OPENING NEW LEFT TURNS TO THE TRAFFIC.
- CLOSE THE EXISTING NB AND SB LEFT TURN LANES AT 166TH ST AND ADJACENT PARKING AREAS. CONSTRUCT NEW LEFT TURN LANES AND OPEN IT TO TRAFFIC.
- CLOSE THE EXISTING NB AND SB LEFT TURN LANES AT 169TH ST AND ADJACENT PARKING AREAS. CONSTRUCT NEW LEFT TURN LANES AND OPEN IT TO TRAFFIC.
- RECONSTRUCT THE LEFT TURN LANE AT SB 171ST ST AND OPEN IT TO TRAFFIC. DURING PHASES 1 - 4 OF CONSTRUCTION, LEFT TURN MOVEMENTS AT THE AFFECTED STREETS WILL BE RELOCATED TO THE LEFTMOST TRAFFIC LANE OF HAWTHORNE BLVD. PHASES 1 - 4 CANNOT BE CONSTRUCTED AT THE SAME TIME.
- CONSTRUCT THE WIDENING OF NB HAWTHORNE BLVD. BETWEEN ARTESIA BLVD AND 186TH ST. WORK TO BE STAGED SO AS TO PROVIDE DRIVEWAY AND PEDESTRIAN ACCESS DURING BUSINESS HOURS IN COORDINATION WITH PROPERTY OWNERS. WHERE WORK IS PERFORMED THROUGH INTERSECTIONS, IT IS TO BE STAGED IN ORDER TO MINIMIZE CLOSURES DURING BUSINESS HOURS.

STAGE 2 - LRT CONSTRUCTION

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 2

- RELOCATE ALL CONFLICTING UTILITIES UNDERNEATH THE MEDIAN, WHERE REQUIRED.
- CONSTRUCT PROPOSED LRT AERIAL TRACKWAY, COLUMNS AND SURROUNDING CURBED MEDIAN. WORK TO BE STAGED SO AS TO MINIMIZE CLOSURES AT MAIN INTERSECTIONS AND PEDESTRIAN CROSSINGS DURING BUSINESS HOURS.
- LEFT TURN LANES AT 164TH, 166TH, 169TH AND 171ST ST WILL BE OPENED THROUGHOUT THIS STAGE.
- REMOVE THE EXISTING PAVEMNET AND CURB FROM THE INSIDE LANE OF NB HAWTHORNE BLVD. WHERE REQUIRED. IN THOSE AREAS CONSTRUCT THE DESIGNED CURB AND GUTTER.

STAGE 3 - MEDIAN AREA CONSTRUCTION

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 3

- RECONSTRUCT THE PARKING AREAS AND SIDEWALKS UNDERNEATH THE AERIAL GUIDEWAY.
- CONSTRUCT THE NEW LEFT TURN LANES UNDERNEATH THE AERIAL GUIDEWAY ON HAWTHORNE SB/NB TO REDONDO BEACH, HAWTHORNE SB TO ARTESIA BLVD AND HAWTHORNE NB TO 186TH ST.
- CONSTRUCT CURB EXTENSION AT THE RIGHT TURN TO THE SOUTHBAY GALLERIA

LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- ROW
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- PROPOSED WORK ZONE
- PROPOSED WORK ZONE - AERIAL
- PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- SIGNALIZED INTERSECTION
- TEMPORARILY SIGNALIZED INTERSECTION
- NORTH ARROW
- SCALE BAR: 1"=40'
- TRAVEL DIRECTION: TORRANCE, CA SOUTHBOUND
- MATCH LINE: MATCH LINE STA - LRTS 405+00 SEE DRAWING STG-2

GENERAL NOTES:

- CONSTRUCTION AT DRIVEWAYS AND INTERSECTIONS TO BE PHASED SUCH AS TO MAXIMIZE DRIVEWAY AND INTERSECTION ACCESS/USAGE DURING BUSINESS HOURS.
- ACCESS TO PASSENGER AND COMMERCIAL LOADING ZONES SHALL BE COORDINATED WITH EACH PROPERTY OWNER.
- FOR HAWTHORNE BOULEVARD APPLICABLE STAGE CONSTRUCTION TRAFFIC HANDLING PLAN DETAILS, REFER TO TRAFFIC HANDLING (TH-X) PLAN SHEETS.
- STAGE 1 WORKS WILL BE CONDUCTED ONLY ALONG HAWTHORNE BLVD.
- TEMPORARY LANES ARE 11 FT WIDE IN ALL STAGES.

REV.	DATE	BY	SUB.	APP.	INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished hereunder shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.	DESIGNED BY K. CHECINSKI	DRAWN BY D. STEFANOWSKI	CHECKED BY J. VUONG	APPROVED BY M. E. ALFONSO	DATE 07/22/2022
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LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

STV 100 Years AECOM

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING. GENERAL NOTES.
 SHEET 1 OF 1

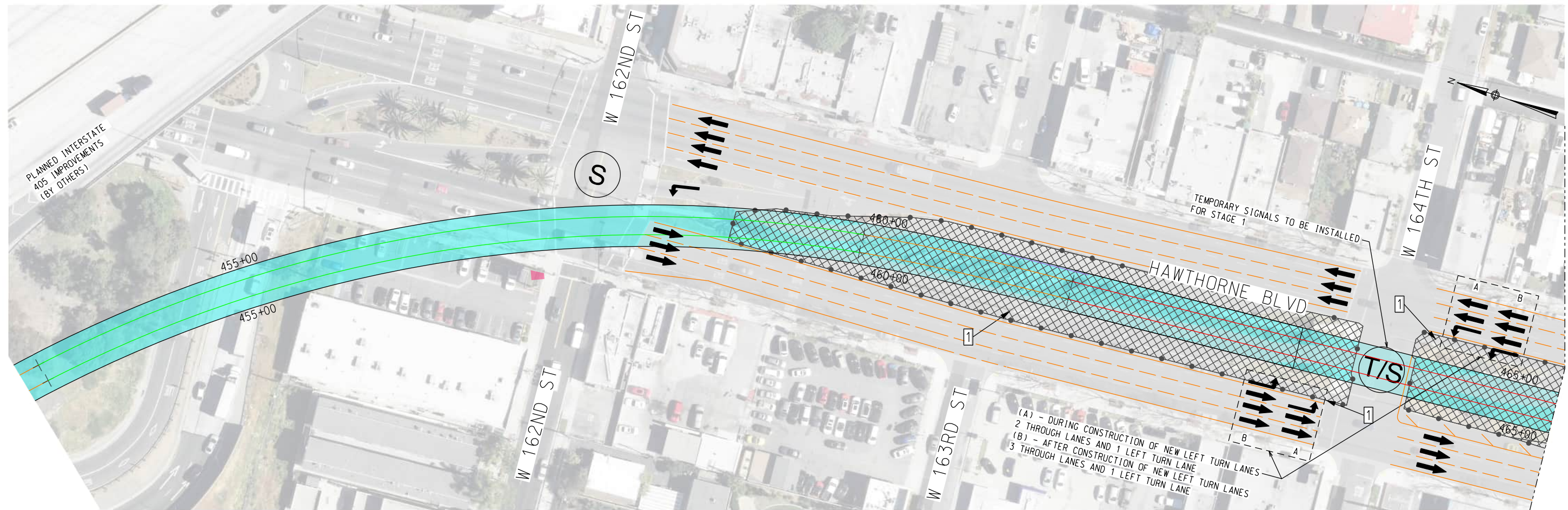
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DRAWING NO. SG-700
REVISION SHEET NO.
SCALE NO SCALE

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NOT FOR CONSTRUCTION

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



MATCH LINE STA - LRTS 465+00
SEE DRAWING SG-702

STAGE 1

STAGE 1 GENERAL NOTE:

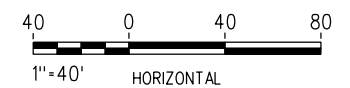
DURING PHASES 1- 4 OF CONSTRUCTION, LEFT TURN MOVEMENTS AT THE AFFECTED STREETS WILL BE RELOCATED TO THE LEFTMOST TRAFFIC LANE OF HAWTHORNE BLVD. PHASES 1- 4 CANNOT BE CONSTRUCTED AT THE SAME TIME.

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 1

- 1 CLOSE THE EXISTING NB AND SB LEFT TURN LANES AT 164TH AND ADJACENT PARKING AREAS. CONSTRUCT NEW LEFT TURN LANES. INSTALL TEMPORARY SIGNALIZATION BEFORE OPENING NEW LEFT TURNS TO THE TRAFFIC.
- 2 CLOSE THE EXISTING NB AND SB LEFT TURN LANES AT 166TH ST AND ADJACENT PARKING AREAS. CONSTRUCT NEW LEFT TURN LANES AND OPEN IT TO TRAFFIC.
- 3 CLOSE THE EXISTING NB AND SB LEFT TURN LANES AT 169TH ST AND ADJACENT PARKING AREAS. CONSTRUCT NEW LEFT TURN LANES AND OPEN IT TO TRAFFIC.
- 4 RECONSTRUCT THE LEFT TURN LANE AT SB 171ST ST AND OPEN IT TO TRAFFIC.
- 5 CONSTRUCT THE WIDENING OF NB HAWTHORNE BLVD. BETWEEN ARTESIA BLVD AND 186TH ST. WORK TO BE STAGED SO AS TO PROVIDE DRIVEWAY AND PEDESTRIAN ACCESS DURING BUSINESS HOURS IN COORDINATION WITH PROPERTY OWNERS. WHERE WORK IS PERFORMED THROUGH INTERSECTIONS, IT IS TO BE STAGED IN ORDER TO MINIMIZE CLOSURES DURING BUSINESS HOURS.

LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- (C) BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



NOT FOR CONSTRUCTION	
REV.	DATE
BY	APP.

INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.	
DESIGNED BY K. CHECINSKI	DRAWN BY D. STEFANOWSKI
CHECKED BY J. VUONG	APPROVED BY M. E. ALFONSO
DATE 07/22/2022	

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____ APPROVED: _____

PROJECT MANAGER

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - TRAFFIC HANDLING
AND STAGING - STAGE 1. LRTS 453+00
TO LRTS 465+00. SHEET 1 OF 31

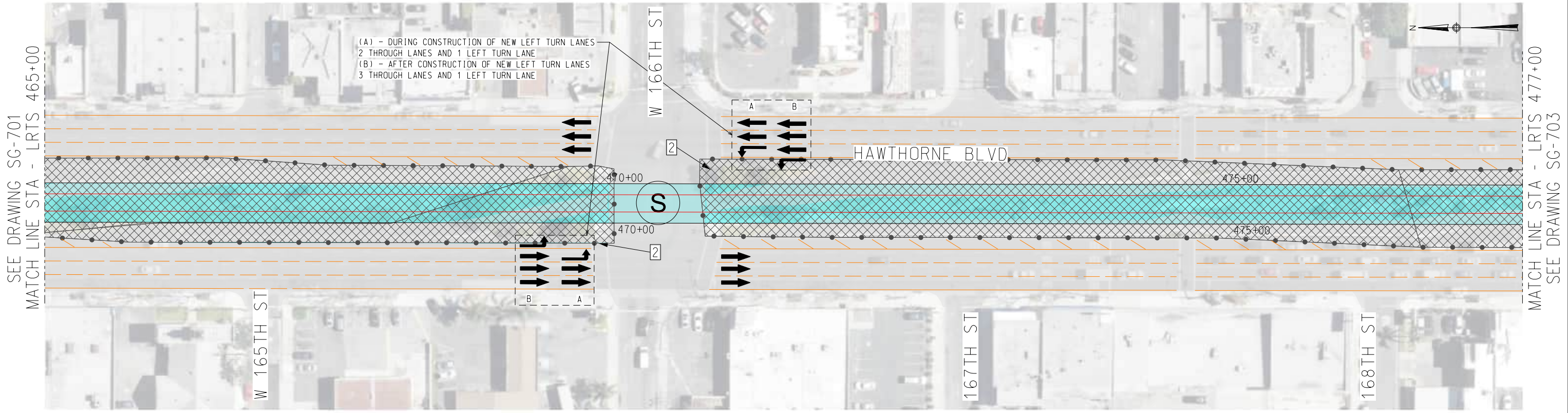
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DRAWING NO. SG-701	
REVISION	SHEET NO.
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18.07.2022 12:46:41 LukaskA pw\l\aeocom-eu-pw.bentley.com\AE\COM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD GIS\910-CAD 20_SHEETS\CONSTRUCTION STAGING\SG-602

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



(A) - DURING CONSTRUCTION OF NEW LEFT TURN LANES
2 THROUGH LANES AND 1 LEFT TURN LANE
(B) - AFTER CONSTRUCTION OF NEW LEFT TURN LANES
3 THROUGH LANES AND 1 LEFT TURN LANE

STAGE 1

STAGE 1 GENERAL NOTE:

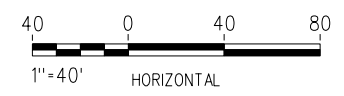
DURING PHASES 1 - 4 OF CONSTRUCTION, LEFT TURN MOVEMENTS AT THE AFFECTED STREETS WILL BE RELOCATED TO THE LEFTMOST TRAFFIC LANE OF HAWTHORNE BLVD. PHASES 1 - 4 CANNOT BE CONSTRUCTED AT THE SAME TIME.

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 1

- 1 CLOSE THE EXISTING NB AND SB LEFT TURN LANES AT 164TH AND ADJACENT PARKING AREAS. CONSTRUCT NEW LEFT TURN LANES. INSTALL TEMPORARY SIGNALIZATION BEFORE OPENING NEW LEFT TURNS TO THE TRAFFIC.
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LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- ⊙ BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT

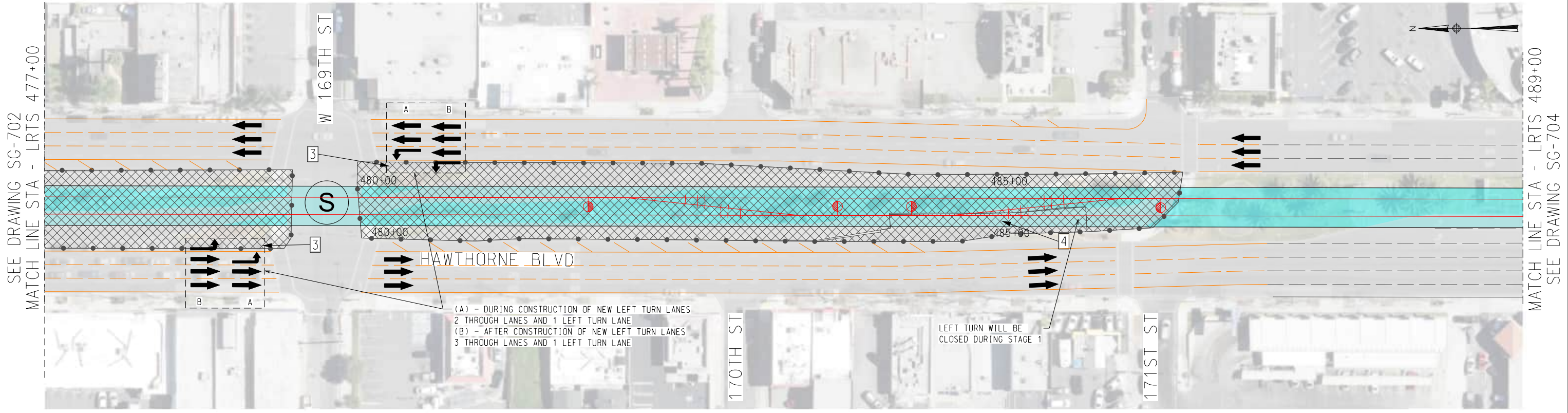


NOT FOR CONSTRUCTION		INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished hereunder shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.		DESIGNED BY K. CHECINSKI	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 1. LRTS 465+00 TO LRTS 477+00. SHEET 2 OF 31	CONTRACT NO. AE63445001 DRAWING NO. SG-702
		DRAWN BY D. STEFANOWSKI	CHECKED BY J. VUONG	APPROVED BY M. E. ALFONSO			REVISION SHEET NO.
REV.	DATE	BY	SUB. APP.	DATE	SUBMITTED:	APPROVED:	SCALE
				07/22/2022	PROJECT MANAGER		AS SHOWN

18.07.2022 12:51:45 LukaskA pw\lucaskom-eu-pw.bentley.com\AECOM\DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD GIS\910-CAD_20_SHEETS\CONSTRUCTION STAGING\SG-603

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



SEE DRAWING SG-702
MATCH LINE STA - LRTS 477+00

MATCH LINE STA - LRTS 489+00
SEE DRAWING SG-704

(A) - DURING CONSTRUCTION OF NEW LEFT TURN LANES
2 THROUGH LANES AND 1 LEFT TURN LANE
(B) - AFTER CONSTRUCTION OF NEW LEFT TURN LANES
3 THROUGH LANES AND 1 LEFT TURN LANE

LEFT TURN WILL BE
CLOSED DURING STAGE 1

STAGE 1

STAGE 1 GENERAL NOTE:

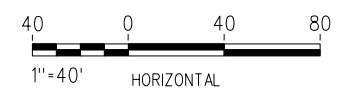
DURING PHASES 1 - 4 OF CONSTRUCTION, LEFT TURN MOVEMENTS AT THE AFFECTED STREETS WILL BE RELOCATED TO THE LEFTMOST TRAFFIC LANE OF HAWTHORNE BLVD. PHASES 1 - 4 CANNOT BE CONSTRUCTED AT THE SAME TIME.

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 1

- 1] CLOSE THE EXISTING NB AND SB LEFT TURN LANES AT 164TH AND ADJACENT PARKING AREAS. CONSTRUCT NEW LEFT TURN LANES. INSTALL TEMPORARY SIGNALIZATION BEFORE OPENING NEW LEFT TURNS TO THE TRAFFIC.
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LEGEND:

- | | | | | | | | |
|--|------------------------|--|---------------------------|--|---------------------------------------|--|------------------------------------|
| | PROPOSED TANGENT TRACK | | ROAD BARRIER | | ARROW INDICATING DIRECTION OF TRAFFIC | | PROPOSED WORK ZONE |
| | PROPOSED SPIRAL TRACK | | PROPOSED RETAINED FILL | | BRIDGE COLUMN | | PROPOSED WORK ZONE - AERIAL |
| | PROPOSED CURVE TRACK | | PROPOSED AERIAL STRUCTURE | | TEMPORARILY SIGNALIZED INTERSECTION | | PROPOSED WORK ZONE - INTERSECTIONS |
| | PROPOSED FREIGHT TRACK | | | | TEMPORARY TRAFFIC LANES | | TEMPORARY PAVEMENT |
| | EXISTING FREIGHT TRACK | | | | EXISTING TRAFFIC LANES | | |
| | RIGHT OF WAY BOUNDARY | | | | FINAL TRAFFIC LANES | | |



NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

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DESIGNED BY K. CHECINSKI
DRAWN BY D. STEFANOWSKI
CHECKED BY J. VUONG
APPROVED BY M. E. ALFONSO
DATE 07/22/2022

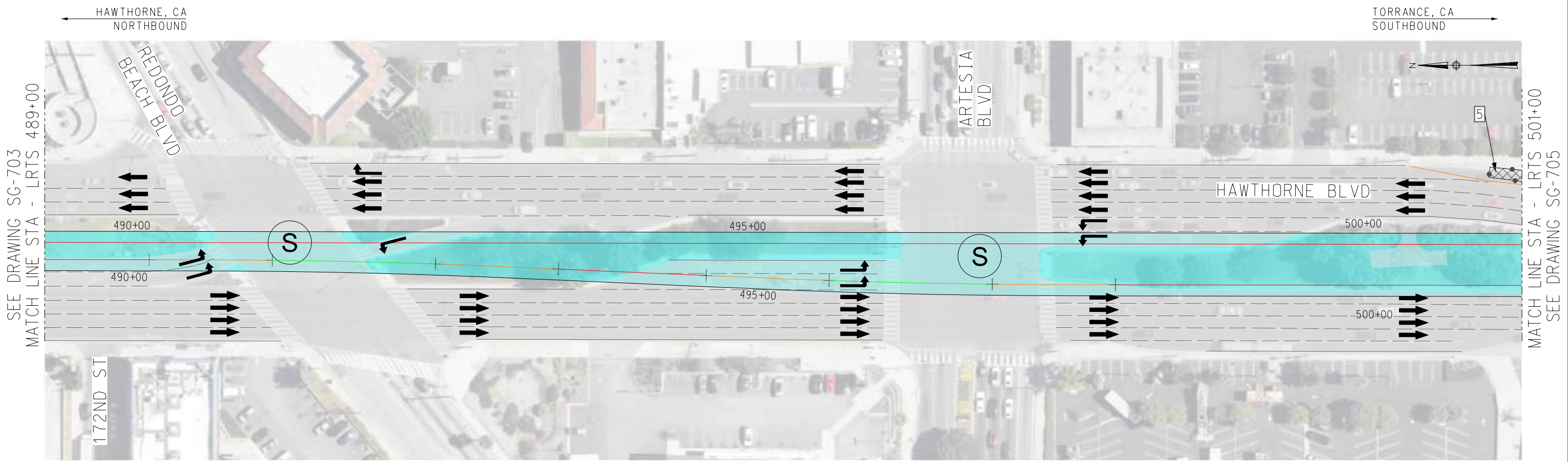
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____	APPROVED: _____
<small>PROJECT MANAGER</small>	

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 1. LRTS 477+00 TO LRTS 489+00. SHEET 3 OF 31

CONTRACT NO. AE63445001	
DRAWING NO. SG-703	
REVISION	SHEET NO.
SCALE	AS SHOWN

18.07.2022 12:54:26 LukaskA pw\Aecocom-eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD GIS\910-CAD_20_SHEETS\CONSTRUCTION STAGING\SG-604



STAGE 1

STAGE 1 GENERAL NOTE:

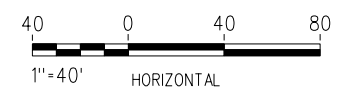
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STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 1

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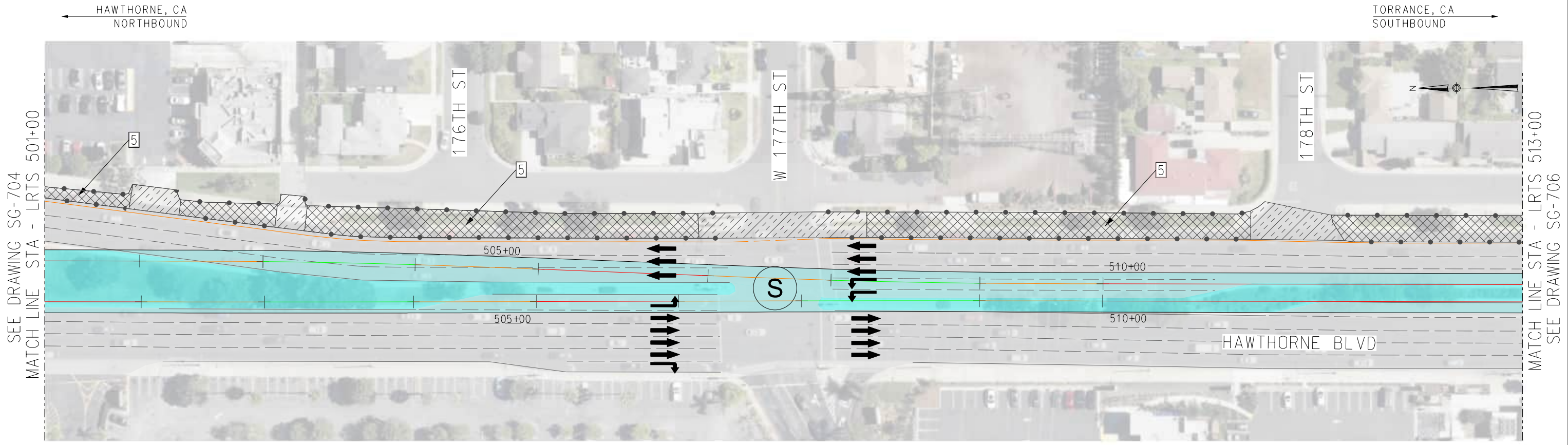
LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



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		DRAWN BY D. STEFANOWSKI	CHECKED BY J. VUONG	APPROVED BY M. E. ALFONSO			DRAWING NO. SG-704
REV.	DATE	BY	SUB. APP.	DATE 07/22/2022	SUBMITTED: _____ PROJECT MANAGER	APPROVED: _____	REVISION SHEET NO.
							SCALE AS SHOWN

18.07.2022 12:56:39 LukaskiA pw\vaecom-eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD GIS\910-CAD_20_SHEETS\CONSTRUCTION STAGING\SG-605



STAGE 1

STAGE 1 GENERAL NOTE:

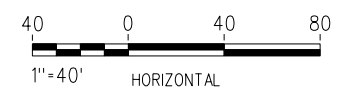
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STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 1

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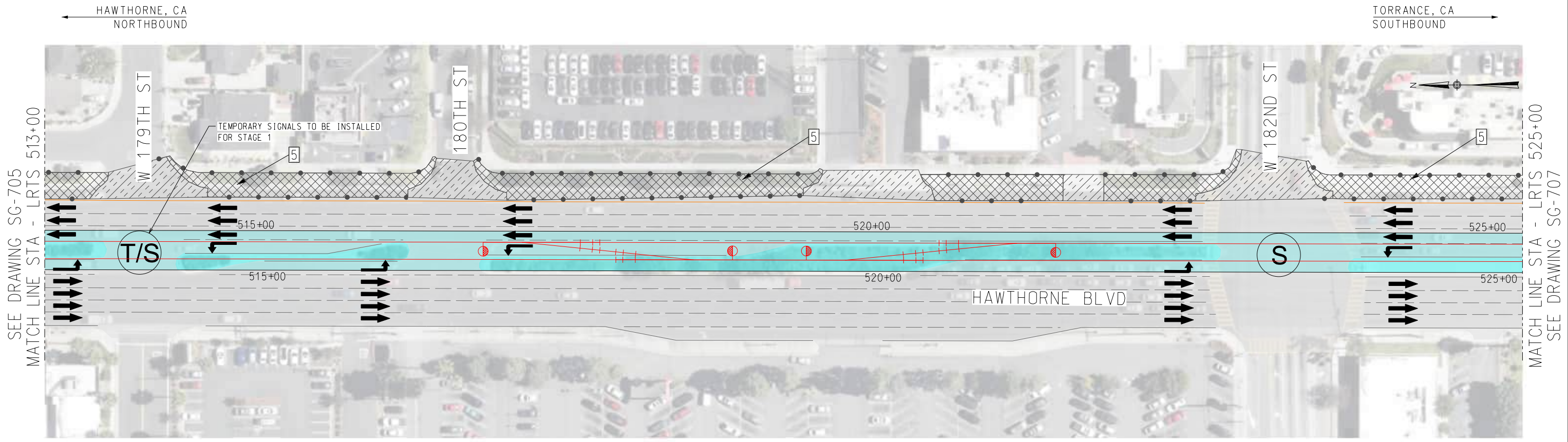
LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- (C) BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
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- ▨ PROPOSED WORK ZONE - AERIAL
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- TEMPORARY PAVEMENT



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		DRAWN BY D. STEFANOWSKI	CHECKED BY J. VUONG	APPROVED BY M. E. ALFONSO			REVISION SHEET NO.
REV.	DATE	BY	SUB. APP.	DATE	SUBMITTED: _____ PROJECT MANAGER	APPROVED: _____	SCALE AS SHOWN
				07/22/2022			

18.07.2022 12:57:53 LukaskA pw\laecom-eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD GIS\910-CAD_20_SHEETS\CONSTRUCTION STAGING\SG-606



STAGE 1

STAGE 1 GENERAL NOTE:

DURING PHASES 1 - 4 OF CONSTRUCTION, LEFT TURN MOVEMENTS AT THE AFFECTED STREETS WILL BE RELOCATED TO THE LEFTMOST TRAFFIC LANE OF HAWTHORNE BLVD. PHASES 1 - 4 CANNOT BE CONSTRUCTED AT THE SAME TIME.

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 1

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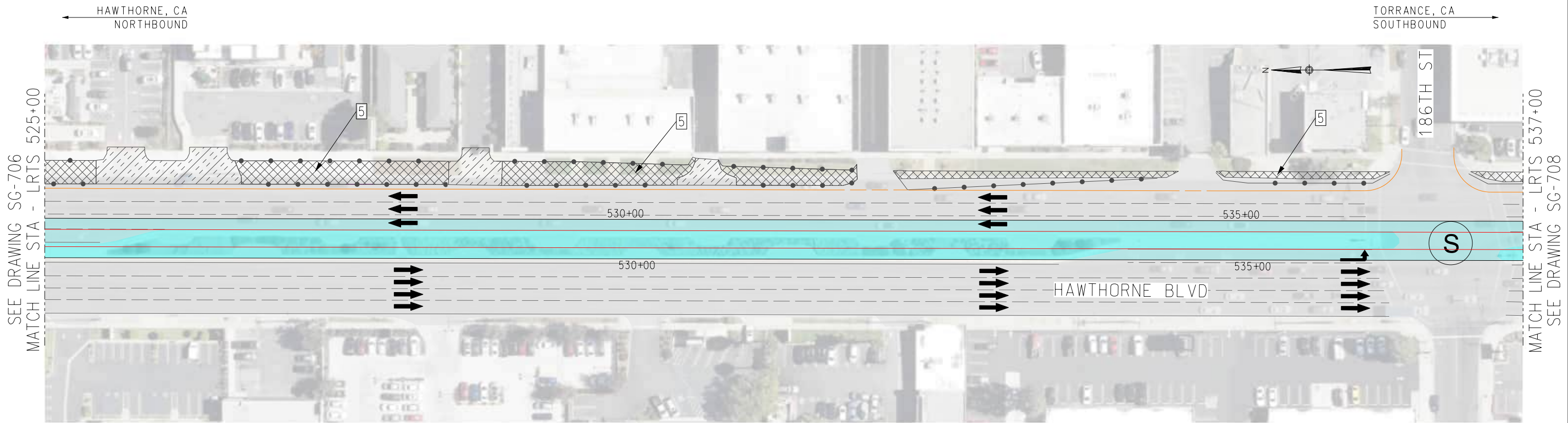
LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



NOT FOR CONSTRUCTION		INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished hereunder shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.	DESIGNED BY K. CHECINSKI DRAWN BY D. STEFANOWSKI CHECKED BY J. VUONG APPROVED BY M. E. ALFONSO DATE 07/22/2022	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 1. LRTS 513+00 TO LRTS 525+00. SHEET 6 OF 31	CONTRACT NO. AE63445001 DRAWING NO. SG-706 REVISION SHEET NO. SCALE AS SHOWN
		SUBMITTED: _____ PROJECT MANAGER APPROVED: _____				

18.07.2022 13:02:01 LukaskA pw\laecom-eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD GIS\910-CAD 20_SHEETS\CONSTRUCTION STAGING\SG-607



STAGE 1

STAGE 1 GENERAL NOTE:

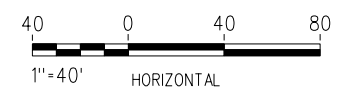
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STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 1

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- 3] CLOSE THE EXISTING NB AND SB LEFT TURN LANES AT 169TH ST AND ADJACENT PARKING AREAS. CONSTRUCT NEW LEFT TURN LANES AND OPEN IT TO TRAFFIC.
- 4] RECONSTRUCT THE LEFT TURN LANE AT SB 171ST ST AND OPEN IT TO TRAFFIC.
- 5] CONSTRUCT THE WIDENING OF NB HAWTHORNE BLVD. BETWEEN ARTESIA BLVD AND 186TH ST. WORK TO BE STAGED SO AS TO PROVIDE DRIVEWAY AND PEDESTRIAN ACCESS DURING BUSINESS HOURS IN COORDINATION WITH PROPERTY OWNERS. WHERE WORK IS PERFORMED THROUGH INTERSECTIONS, IT IS TO BE STAGED IN ORDER TO MINIMIZE CLOSURES DURING BUSINESS HOURS.

LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- (C) BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



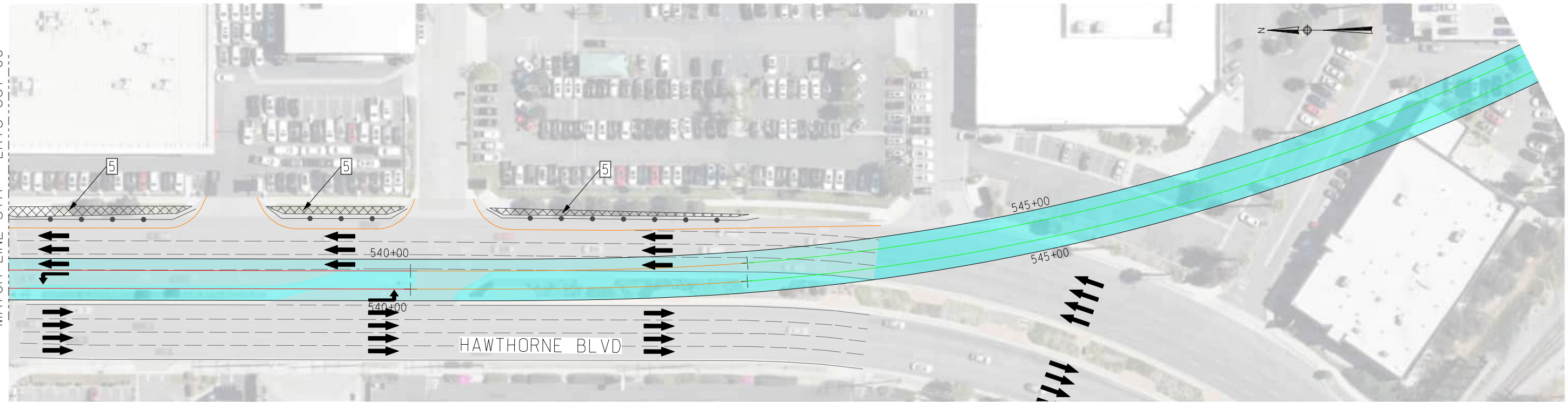
NOT FOR CONSTRUCTION		INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished hereafter shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.		DESIGNED BY K. CHECINSKI	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 1. LRTS 525+00 TO LRTS 537+00. SHEET 7 OF 31	CONTRACT NO. AE63445001 DRAWING NO. SG-707
		DRAWN BY D. STEFANOWSKI	CHECKED BY J. VUONG	APPROVED BY M. E. ALFONSO			REVISION SHEET NO.
REV.	DATE	BY	SUB. APP.	DATE	SUBMITTED:	APPROVED:	SCALE
				07/22/2022	PROJECT MANAGER	PROJECT MANAGER	AS SHOWN

18.07.2022 13:05:22 LukaskA pw\Aecocom-eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD GIS\910-CAD_20_SHEETS\CONSTRUCTION STAGING\SG-608

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND

SEE DRAWING SG-707
MATCH LINE STA - LRTS 537+00



STAGE 1

STAGE 1 GENERAL NOTE:

DURING PHASES 1 - 4 OF CONSTRUCTION, LEFT TURN MOVEMENTS AT THE AFFECTED STREETS WILL BE RELOCATED TO THE LEFTMOST TRAFFIC LANE OF HAWTHORNE BLVD. PHASES 1 - 4 CANNOT BE CONSTRUCTED AT THE SAME TIME.

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 1

- 1] CLOSE THE EXISTING NB AND SB LEFT TURN LANES AT 164TH AND ADJACENT PARKING AREAS. CONSTRUCT NEW LEFT TURN LANES. INSTALL TEMPORARY SIGNALIZATION BEFORE OPENING NEW LEFT TURNS TO THE TRAFFIC.
- 2] CLOSE THE EXISTING NB AND SB LEFT TURN LANES AT 166TH ST AND ADJACENT PARKING AREAS. CONSTRUCT NEW LEFT TURN LANES AND OPEN IT TO TRAFFIC.
- 3] CLOSE THE EXISTING NB AND SB LEFT TURN LANES AT 169TH ST AND ADJACENT PARKING AREAS. CONSTRUCT NEW LEFT TURN LANES AND OPEN IT TO TRAFFIC.
- 4] RECONSTRUCT THE LEFT TURN LANE AT SB 171ST ST AND OPEN IT TO TRAFFIC.
- 5] CONSTRUCT THE WIDENING OF NB HAWTHORNE BLVD. BETWEEN ARTESIA BLVD AND 186TH ST. WORK TO BE STAGED SO AS TO PROVIDE DRIVEWAY AND PEDESTRIAN ACCESS DURING BUSINESS HOURS IN COORDINATION WITH PROPERTY OWNERS. WHERE WORK IS PERFORMED THROUGH INTERSECTIONS, IT IS TO BE STAGED IN ORDER TO MINIMIZE CLOSURES DURING BUSINESS HOURS.

LEGEND:

- | | | | |
|------------------------|-------------------------------------|---------------------------------------|------------------------------------|
| PROPOSED TANGENT TRACK | ROAD BARRIER | ARROW INDICATING DIRECTION OF TRAFFIC | PROPOSED WORK ZONE |
| PROPOSED SPIRAL TRACK | PROPOSED RETAINED FILL | BRIDGE COLUMN | PROPOSED WORK ZONE - AERIAL |
| PROPOSED CURVE TRACK | PROPOSED AERIAL STRUCTURE | TEMPORARY TRAFFIC LANES | PROPOSED WORK ZONE - INTERSECTIONS |
| PROPOSED FREIGHT TRACK | SIGNALIZED INTERSECTION | EXISTING TRAFFIC LANES | TEMPORARY PAVEMENT |
| EXISTING FREIGHT TRACK | TEMPORARILY SIGNALIZED INTERSECTION | FINAL TRAFFIC LANES | |
| RIGHT OF WAY BOUNDARY | | | |



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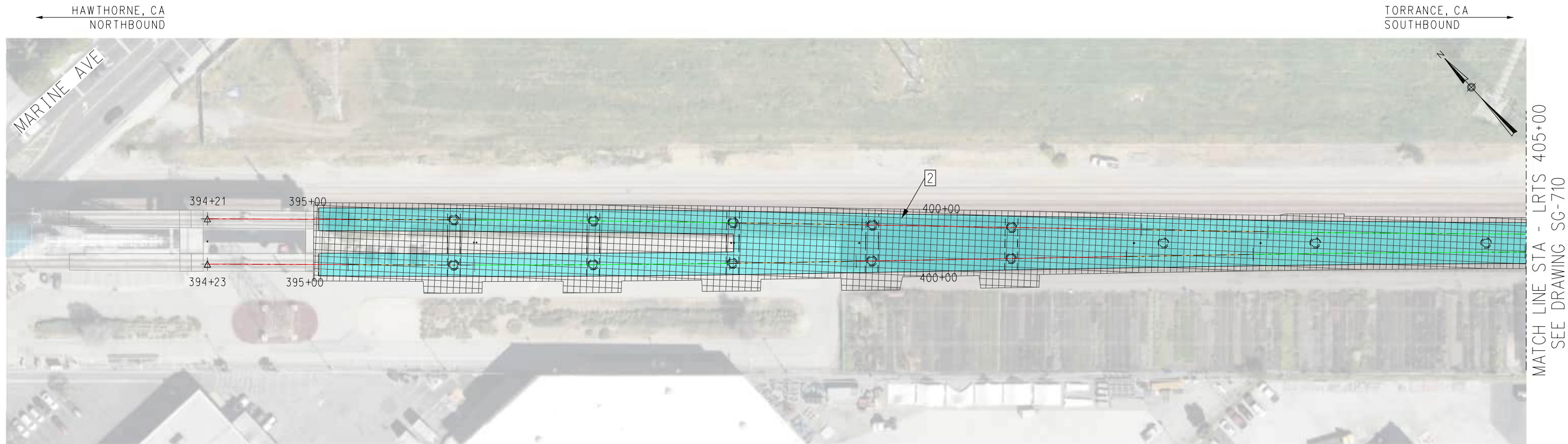
DESIGNED BY K. CHECINSKI
DRAWN BY D. STEFANOWSKI
CHECKED BY J. VUONG
APPROVED BY M. E. ALFONSO
DATE 07/22/2022

 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY
SUBMITTED: _____ PROJECT MANAGER
APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 1. LRTS 537+00 TO LRTS 549+00. SHEET 8 OF 31

CONTRACT NO. AE63445001
DRAWING NO. SG-708
REVISION SHEET NO.
SCALE AS SHOWN

18.07.2022 13:06:29 LukasiA pw\vaecom-eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD-GIS\910-CAD\20_SHEETS\CONSTRUCTION STAGING\SG-609



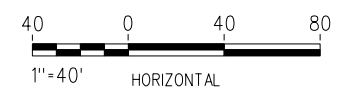
STAGE 2

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 2

- 1] RELOCATE ALL CONFLICTING UTILITIES UNDERNEATH THE MEDIAN, WHERE REQUIRED.
- 2] CONSTRUCT PROPOSED LRT AERIAL TRACKWAY, COLUMNS AND SURROUNDING CURBED MEDIAN. WORK TO BE STAGED SO AS TO MINIMIZE CLOSURES AT MAIN INTERSECTIONS AND PEDESTRIAN CROSSINGS DURING BUSINESS HOURS.
- 3] LEFT TURN LANES AT 164TH, 166TH, 169TH AND 171ST ST WILL BE OPENED THROUGHOUT THIS STAGE.
- 4] REMOVE THE EXISTING PAVEMENT AND CURB FROM THE INSIDE LANE OF NB HAWTHORNE BLVD. WHERE REQUIRED. IN THOSE AREAS CONSTRUCT THE DESIGNED CURB AND GUTTER.

LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT

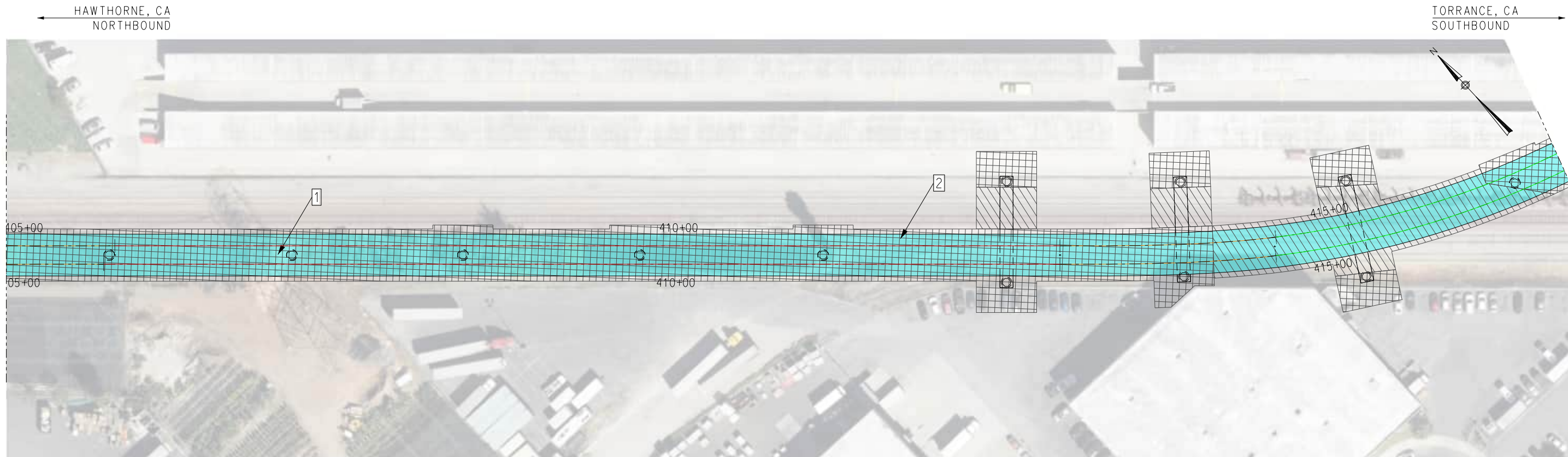


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		CHECKED BY J. VUONG	APPROVED BY M. E. ALFONSO	REVISION SHEET NO.			
REV.	DATE	BY	SUB. APP.	DATE	SUBMITTED:	APPROVED:	SCALE
				07/22/2022	PROJECT MANAGER		AS SHOWN

18.07.2022 13:10:32 LukaskA pw\lucaskom-eu-pw.bentley.com\AECOM\DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD_SHEETS\CONSTRUCTION STAGING\SG-610

SEE DRAWING SG-709
MATCH LINE STA - LRTS 405+00

MATCH LINE STA - LRTS 417+00
SEE DRAWING SG-711



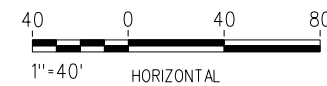
STAGE 2

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 2

- 1 RELOCATE ALL CONFLICTING UTILITIES UNDERNEATH THE MEDIAN, WHERE REQUIRED.
- 2 CONSTRUCT PROPOSED LRT AERIAL TRACKWAY, COLUMNS AND SURROUNDING CURBED MEDIAN. WORK TO BE STAGED SO AS TO MINIMIZE CLOSURES AT MAIN INTERSECTIONS AND PEDESTRIAN CROSSINGS DURING BUSINESS HOURS.
- 3 LEFT TURN LANES AT 164TH, 166TH, 169TH AND 171ST ST WILL BE OPENED THROUGHOUT THIS STAGE.
- 4 REMOVE THE EXISTING PAVEMNET AND CURB FROM THE INSIDE LANE OF NB HAWTHORNE BLVD. WHERE REQUIRED. IN THOSE AREAS CONSTRUCT THE DESIGNED CURB AND GUTTER.

LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



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DESIGNED BY K. CHECINSKI	DRAWN BY D. STEFANOWSKI
CHECKED BY J. VUONG	APPROVED BY M. E. ALFONSO
DATE 07/22/2022	

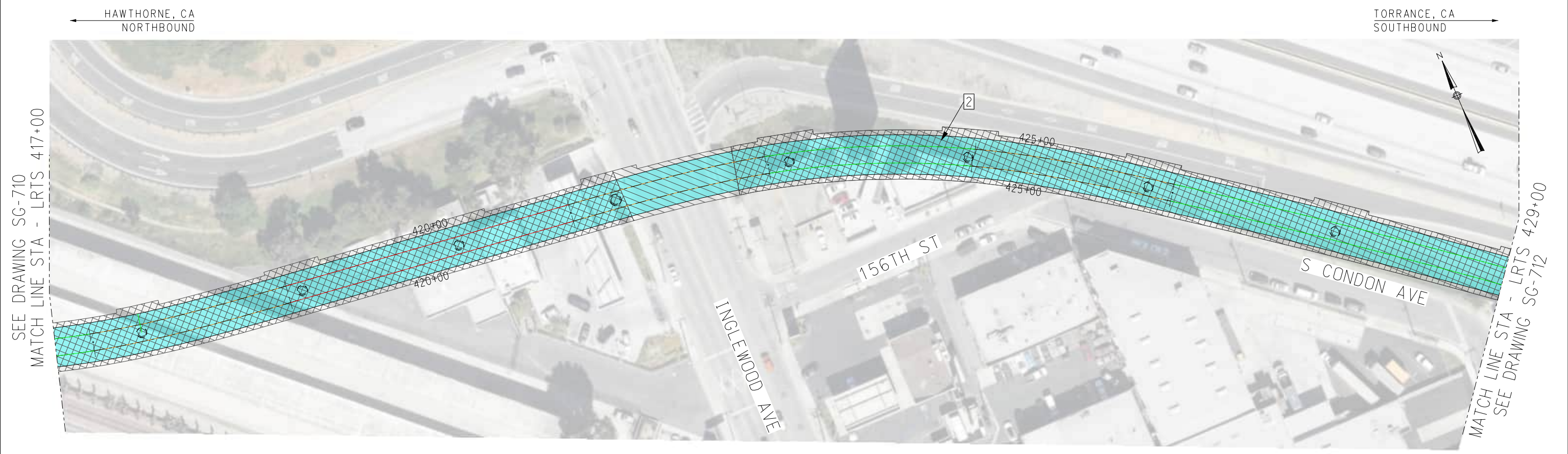
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 2. LRTS 405+00 TO LRTS 417+00. SHEET 10 OF 31

CONTRACT NO. AE63445001	
DRAWING NO. SG-710	
REVISION	SHEET NO.
SCALE	AS SHOWN

18.07.2022 13:12:18 LukaskA pw\lucask-a@pw.bentley.com\AECOM\DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD GIS\910-CAD_20_SHEETS\CONSTRUCTION STAGING\SG-611



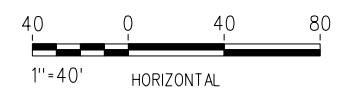
STAGE 2

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 2

- 1 RELOCATE ALL CONFLICTING UTILITIES UNDERNEATH THE MEDIAN, WHERE REQUIRED.
- 2 CONSTRUCT PROPOSED LRT AERIAL TRACKWAY, COLUMNS AND SURROUNDING CURBED MEDIAN. WORK TO BE STAGED SO AS TO MINIMIZE CLOSURES AT MAIN INTERSECTIONS AND PEDESTRIAN CROSSINGS DURING BUSINESS HOURS.
- 3 LEFT TURN LANES AT 164TH, 166TH, 169TH AND 171ST ST WILL BE OPENED THROUGHOUT THIS STAGE.
- 4 REMOVE THE EXISTING PAVEMENT AND CURB FROM THE INSIDE LANE OF NB HAWTHORNE BLVD. WHERE REQUIRED. IN THOSE AREAS CONSTRUCT THE DESIGNED CURB AND GUTTER.

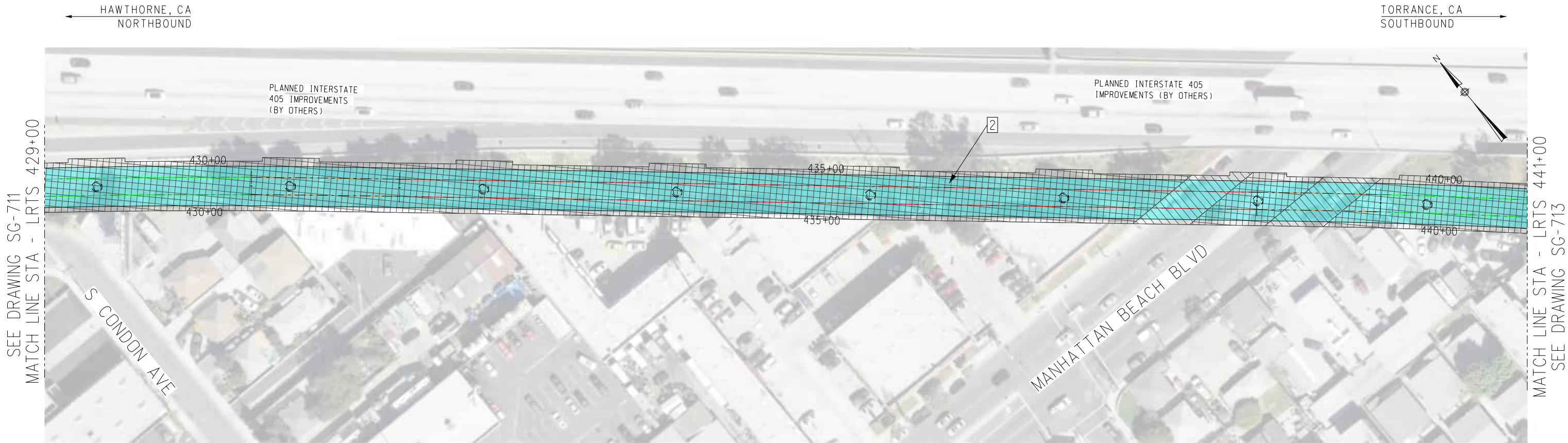
LEGEND:

- | | | | | | | | |
|--|------------------------|--|-------------------------------------|--|---------------------------------------|--|------------------------------------|
| | PROPOSED TANGENT TRACK | | ROAD BARRIER | | ARROW INDICATING DIRECTION OF TRAFFIC | | PROPOSED WORK ZONE |
| | PROPOSED SPIRAL TRACK | | PROPOSED RETAINED FILL | | BRIDGE COLUMN | | PROPOSED WORK ZONE - AERIAL |
| | PROPOSED CURVE TRACK | | PROPOSED AERIAL STRUCTURE | | TEMPORARY TRAFFIC LANES | | PROPOSED WORK ZONE - INTERSECTIONS |
| | PROPOSED FREIGHT TRACK | | SIGNALIZED INTERSECTION | | EXISTING TRAFFIC LANES | | TEMPORARY PAVEMENT |
| | EXISTING FREIGHT TRACK | | TEMPORARILY SIGNALIZED INTERSECTION | | FINAL TRAFFIC LANES | | |
| | RIGHT OF WAY BOUNDARY | | | | | | |



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		SUBMITTED: _____ PROJECT MANAGER APPROVED: _____						
REV.	DATE	BY	APP.					

18.07.2022 13:15:10 LukaskA pw\lucask-a@pw.bentley.com\AECOM\Documents\60626028-Green Line Extension to Torrance\900-CAD-GIS\910-CAD-20-SHEETS\CONSTRUCTION STAGING\SG-612



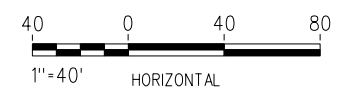
STAGE 2

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 2

- 1] RELOCATE ALL CONFLICTING UTILITIES UNDERNEATH THE MEDIAN, WHERE REQUIRED.
- 2] CONSTRUCT PROPOSED LRT AERIAL TRACKWAY, COLUMNS AND SURROUNDING CURBED MEDIAN. WORK TO BE STAGED SO AS TO MINIMIZE CLOSURES AT MAIN INTERSECTIONS AND PEDESTRIAN CROSSINGS DURING BUSINESS HOURS.
- 3] LEFT TURN LANES AT 164TH, 166TH, 169TH AND 171ST ST WILL BE OPENED THROUGHOUT THIS STAGE.
- 4] REMOVE THE EXISTING PAVEMENT AND CURB FROM THE INSIDE LANE OF NB HAWTHORNE BLVD. WHERE REQUIRED. IN THOSE AREAS CONSTRUCT THE DESIGNED CURB AND GUTTER.

LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



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		DRAWN BY D. STEFANOWSKI	CHECKED BY J. VUONG	APPROVED BY M. E. ALFONSO			REVISION SHEET NO.
REV.	DATE	BY	SUB. APP.	DATE	SUBMITTED: _____ PROJECT MANAGER	APPROVED: _____	SCALE AS SHOWN
				07/22/2022			

18.07.2022 13:16:37 LukaskA pw\lucaskom-eu-pw.bentley.com\AECOM\DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD\20_SHEETS\CONSTRUCTION STAGING\SG-613



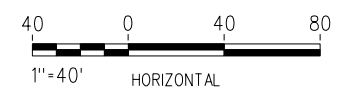
STAGE 2

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 2

- 1 RELOCATE ALL CONFLICTING UTILITIES UNDERNEATH THE MEDIAN, WHERE REQUIRED.
- 2 CONSTRUCT PROPOSED LRT AERIAL TRACKWAY, COLUMNS AND SURROUNDING CURBED MEDIAN. WORK TO BE STAGED SO AS TO MINIMIZE CLOSURES AT MAIN INTERSECTIONS AND PEDESTRIAN CROSSINGS DURING BUSINESS HOURS.
- 3 LEFT TURN LANES AT 164TH, 166TH, 169TH AND 171ST ST WILL BE OPENED THROUGHOUT THIS STAGE.
- 4 REMOVE THE EXISTING PAVEMENT AND CURB FROM THE INSIDE LANE OF NB HAWTHORNE BLVD. WHERE REQUIRED. IN THOSE AREAS CONSTRUCT THE DESIGNED CURB AND GUTTER.

LEGEND:

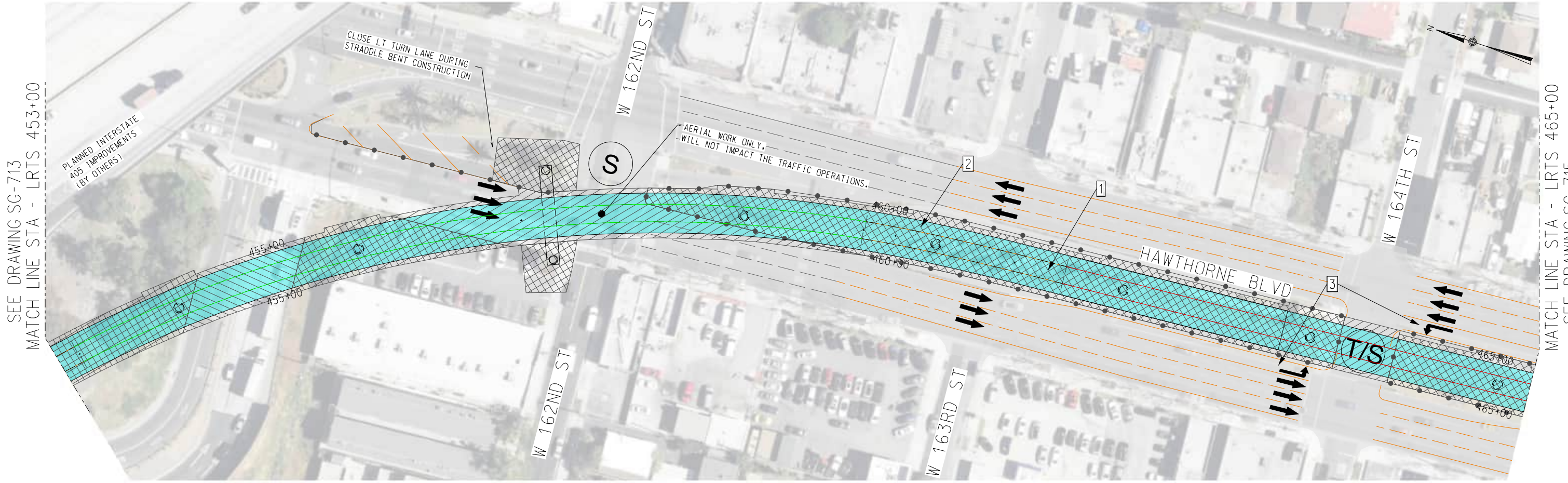
- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



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		DRAWN BY D. STEFANOWSKI	CHECKED BY J. VUONG	APPROVED BY M. E. ALFONSO			REVISION SHEET NO.
REV.	DATE	BY	SUB. APP.	DATE	SUBMITTED: _____ PROJECT MANAGER	APPROVED: _____	SCALE AS SHOWN
				07/22/2022			

18.07.2022 13:19:27 LukaskA pw\lucaskom-eu-pw.bentley.com\AECOM\DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD_SHEETS\CONSTRUCTION STAGING\SG-614

HAWTHORNE, CA NORTHBOUND TORRANCE, CA SOUTHBOUND



SEE DRAWING SG-713
MATCH LINE STA - LRTS 453+00

MATCH LINE STA - LRTS 465+00
SEE DRAWING SG-715

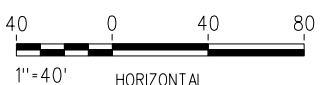
STAGE 2

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 2

- 1 RELOCATE ALL CONFLICTING UTILITIES UNDERNEATH THE MEDIAN, WHERE REQUIRED.
- 2 CONSTRUCT PROPOSED LRT AERIAL TRACKWAY, COLUMNS AND SURROUNDING CURBED MEDIAN. WORK TO BE STAGED SO AS TO MINIMIZE CLOSURES AT MAIN INTERSECTIONS AND PEDESTRIAN CROSSINGS DURING BUSINESS HOURS.
- 3 LEFT TURN LANES AT 164TH, 166TH, 169TH AND 171ST ST WILL BE OPENED THROUGHOUT THIS STAGE.
- 4 REMOVE THE EXISTING PAVEMNET AND CURB FROM THE INSIDE LANE OF NB HAWTHORNE BLVD. WHERE REQUIRED. IN THOSE AREAS CONSTRUCT THE DESIGNED CURB AND GUTTER.

LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



NOT FOR CONSTRUCTION	
REV.	DATE
BY	APP.

INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.	
DESIGNED BY	K. CHECINSKI
DRAWN BY	D. STEFANOWSKI
CHECKED BY	J. VUONG
APPROVED BY	M. E. ALFONSO
DATE	07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ APPROVED: _____

PROJECT MANAGER

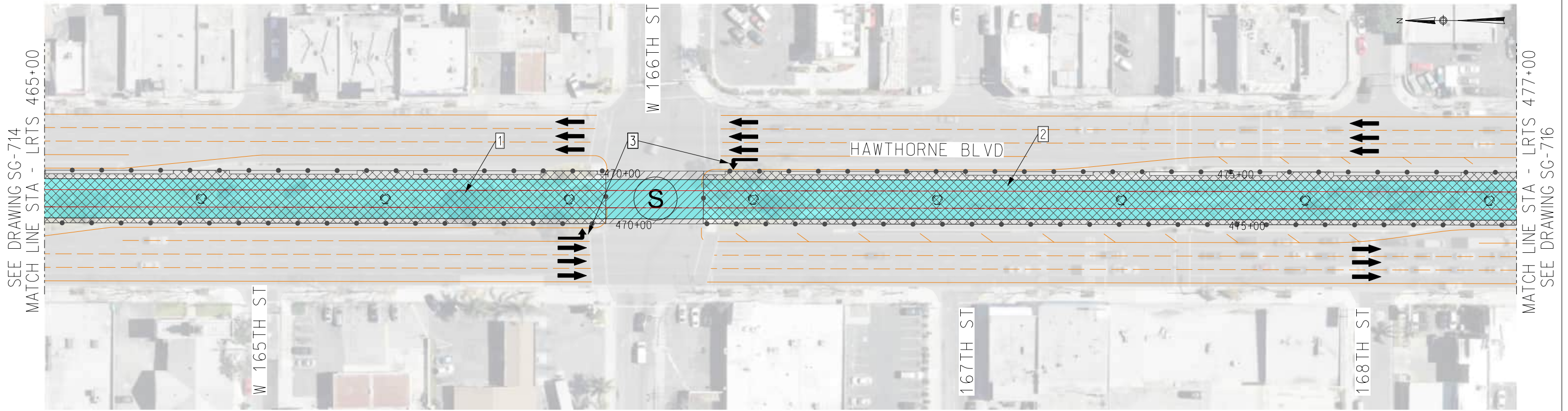
METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 HAWTHORNE OPTION - TRAFFIC HANDLING
 AND STAGING - STAGE 2. LRTS 453+00
 TO LRTS 465+00. SHEET 14 OF 31

CONTRACT NO. AE63445001	
DRAWING NO. SG-714	
REVISION	SHEET NO.
SCALE AS SHOWN	

18.07.2022 13:21:59 LukasiA pw\lucasi@aeacom.com\pw.bentley.com\AECOM\DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD GIS\910-CAD_20_SHEETS\CONSTRUCTION STAGING\SG-615

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



STAGE 2

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 2

- 1 RELOCATE ALL CONFLICTING UTILITIES UNDERNEATH THE MEDIAN, WHERE REQUIRED.
- 2 CONSTRUCT PROPOSED LRT AERIAL TRACKWAY, COLUMNS AND SURROUNDING CURBED MEDIAN. WORK TO BE STAGED SO AS TO MINIMIZE CLOSURES AT MAIN INTERSECTIONS AND PEDESTRIAN CROSSINGS DURING BUSINESS HOURS.
- 3 LEFT TURN LANES AT 164TH, 166TH, 169TH AND 171ST ST WILL BE OPENED THROUGHOUT THIS STAGE.
- 4 REMOVE THE EXISTING PAVEMENT AND CURB FROM THE INSIDE LANE OF NB HAWTHORNE BLVD, WHERE REQUIRED. IN THOSE AREAS CONSTRUCT THE DESIGNED CURB AND GUTTER.

LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

INFORMATION CONFIDENTIAL:
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DESIGNED BY K. CHECINSKI
DRAWN BY D. STEFANOWSKI
CHECKED BY J. VUONG
APPROVED BY M. E. ALFONSO
DATE 07/22/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

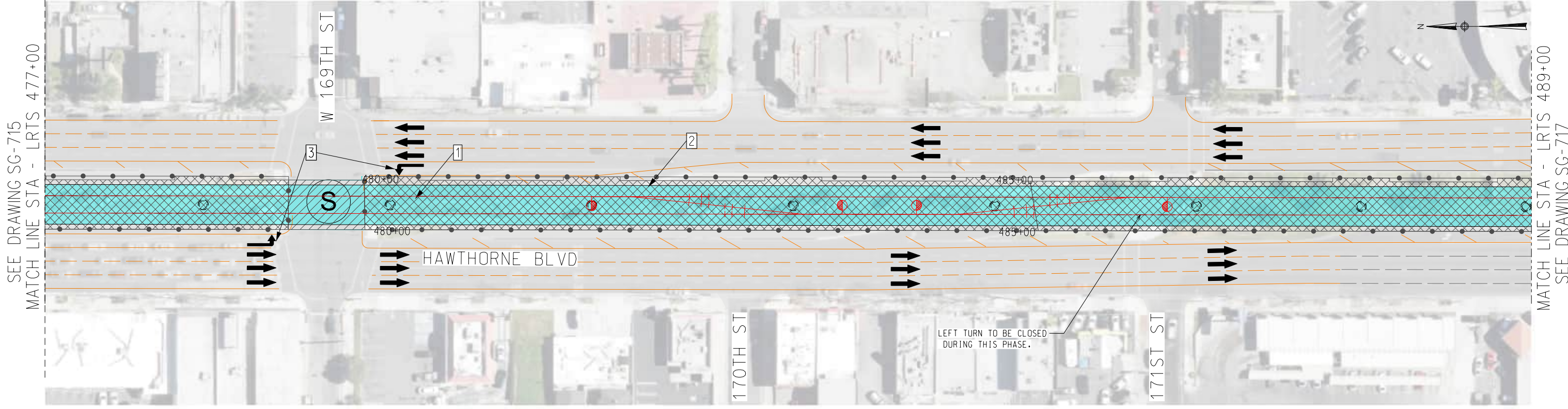
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - TRAFFIC HANDLING
AND STAGING - STAGE 2. LRTS 465+00
TO LRTS 477+00. SHEET 15 OF 31

CONTRACT NO. AE63445001	
DRAWING NO. SG-715	
REVISION	SHEET NO.
SCALE	AS SHOWN

18.07.2022 13:23:43 pw\lucaskia@aeacom.com\pw.bentley.com\AECOM\DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD_GIS\910-CAD_20_SHEETS\CONSTRUCTION STAGING\SG-616

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



SEE DRAWING SG-715
MATCH LINE STA - LRTS 477+00

MATCH LINE STA - LRTS 489+00
SEE DRAWING SG-717

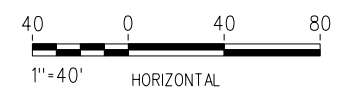
STAGE 2

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 2

- 1 RELOCATE ALL CONFLICTING UTILITIES UNDERNEATH THE MEDIAN, WHERE REQUIRED.
- 2 CONSTRUCT PROPOSED LRT AERIAL TRACKWAY, COLUMNS AND SURROUNDING CURBED MEDIAN. WORK TO BE STAGED SO AS TO MINIMIZE CLOSURES AT MAIN INTERSECTIONS AND PEDESTRIAN CROSSINGS DURING BUSINESS HOURS.
- 3 LEFT TURN LANES AT 164TH, 166TH, 169TH AND 171ST ST WILL BE OPENED THROUGHOUT THIS STAGE.
- 4 REMOVE THE EXISTING PAVEMENT AND CURB FROM THE INSIDE LANE OF NB HAWTHORNE BLVD. WHERE REQUIRED. IN THOSE AREAS CONSTRUCT THE DESIGNED CURB AND GUTTER.

LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

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DESIGNED BY K. CHECINSKI
DRAWN BY D. STEFANOWSKI
CHECKED BY J. VUONG
APPROVED BY M. E. ALFONSO
DATE 07/22/2022

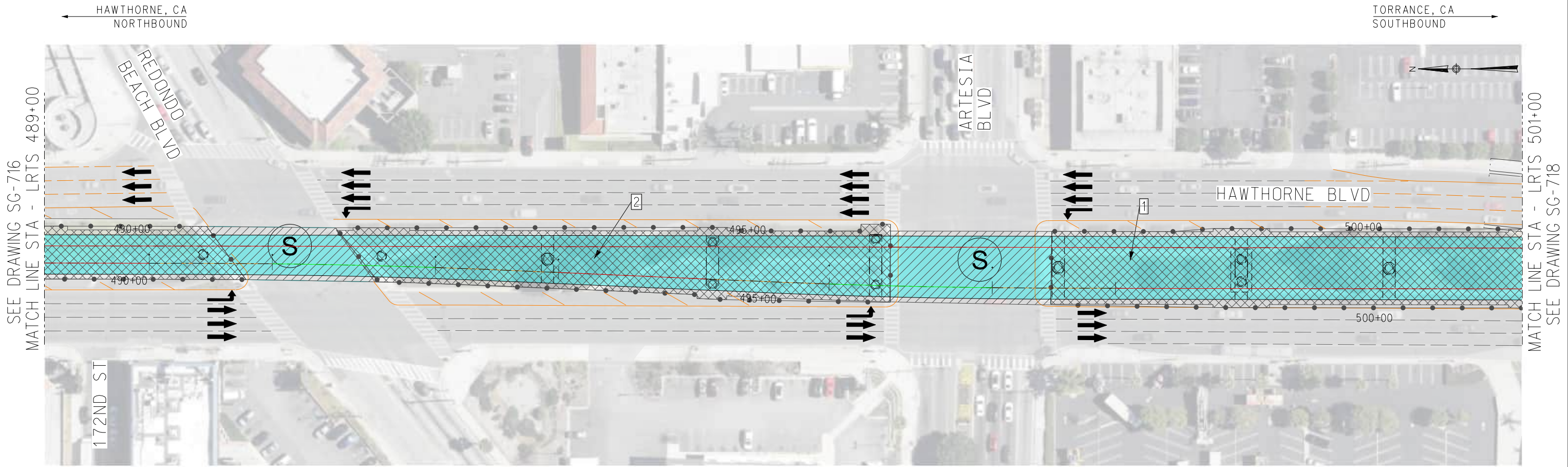
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____	APPROVED: _____
<small>PROJECT MANAGER</small>	

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - TRAFFIC HANDLING
AND STAGING - STAGE 2. LRTS 477+00
TO LRTS 489+00. SHEET 16 OF 31

CONTRACT NO. AE63445001	
DRAWING NO. SG-716	
REVISION	SHEET NO.
SCALE	AS SHOWN

18.07.2022 13:24:57 LukaskA pw\lucask-a@pw.bentley.com\AECOM\DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD GIS\910-CAD_20_SHEETS\CONSTRUCTION STAGING\SG-617



STAGE 2

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 2

- 1 RELOCATE ALL CONFLICTING UTILITIES UNDERNEATH THE MEDIAN, WHERE REQUIRED.
- 2 CONSTRUCT PROPOSED LRT AERIAL TRACKWAY, COLUMNS AND SURROUNDING CURBED MEDIAN. WORK TO BE STAGED SO AS TO MINIMIZE CLOSURES AT MAIN INTERSECTIONS AND PEDESTRIAN CROSSINGS DURING BUSINESS HOURS.
- 3 LEFT TURN LANES AT 164TH, 166TH, 169TH AND 171ST ST WILL BE OPENED THROUGHOUT THIS STAGE.
- 4 REMOVE THE EXISTING PAVEMENT AND CURB FROM THE INSIDE LANE OF NB HAWTHORNE BLVD. WHERE REQUIRED. IN THOSE AREAS CONSTRUCT THE DESIGNED CURB AND GUTTER.

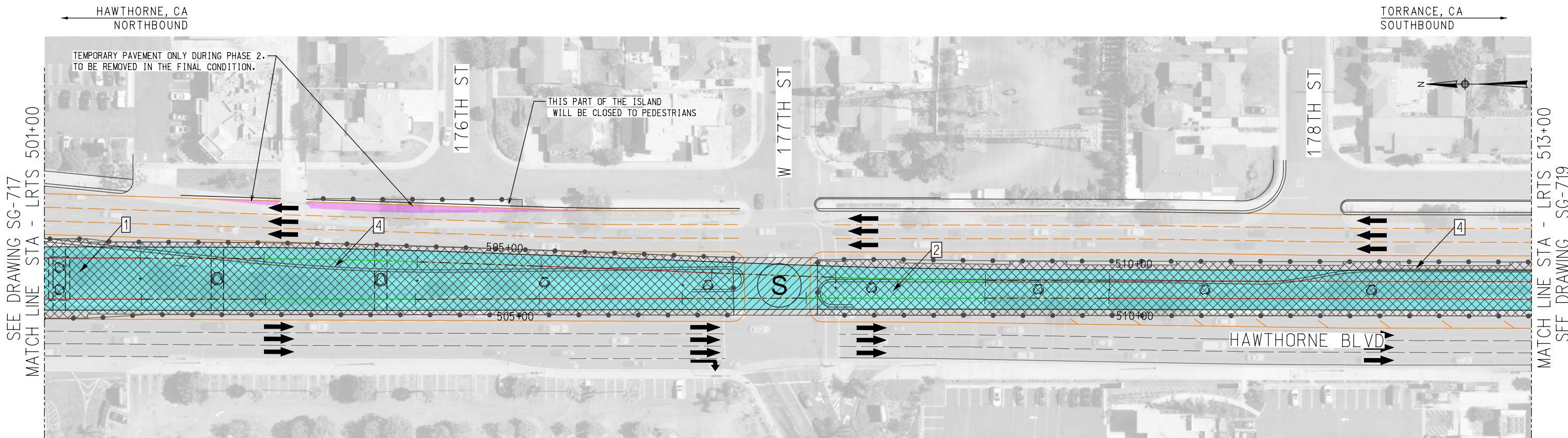
LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



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		DRAWN BY D. STEFANOWSKI	CHECKED BY J. VUONG	APPROVED BY M. E. ALFONSO			REVISION SHEET NO.
REV.	DATE	BY	SUB. APP.	DATE	SUBMITTED:	APPROVED:	SCALE
				07/22/2022	PROJECT MANAGER		AS SHOWN

2022-07-22 13:34:35 KzysztOf.Chechinski pww\aedcom-eu-pw.bentley.com\AECOM\DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD-SHEETS\CONSTRUCTION STAGING\SG-718



STAGE 2

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 2

- 1 RELOCATE ALL CONFLICTING UTILITIES UNDERNEATH THE MEDIAN, WHERE REQUIRED.
- 2 CONSTRUCT PROPOSED LRT AERIAL TRACKWAY, COLUMNS AND SURROUNDING CURBED MEDIAN. WORK TO BE STAGED SO AS TO MINIMIZE CLOSURES AT MAIN INTERSECTIONS AND PEDESTRIAN CROSSINGS DURING BUSINESS HOURS.
- 3 LEFT TURN LANES AT 164TH, 166TH, 169TH AND 171ST ST WILL BE OPENED THROUGHOUT THIS STAGE.
- 4 REMOVE THE EXISTING PAVEMNET AND CURB FROM THE INSIDE LANE OF NB HAWTHORNE BLVD. WHERE REQUIRED. IN THOSE AREAS CONSTRUCT THE DESIGNED CURB AND GUTTER.

LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



NOT FOR CONSTRUCTION	
REV.	DATE
BY	SUB. APP.

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DESIGNED BY	K. CHECINSKI
DRAWN BY	D. STEFANOWSKI
CHECKED BY	J. VUONG
APPROVED BY	M. E. ALFONSO
DATE	07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

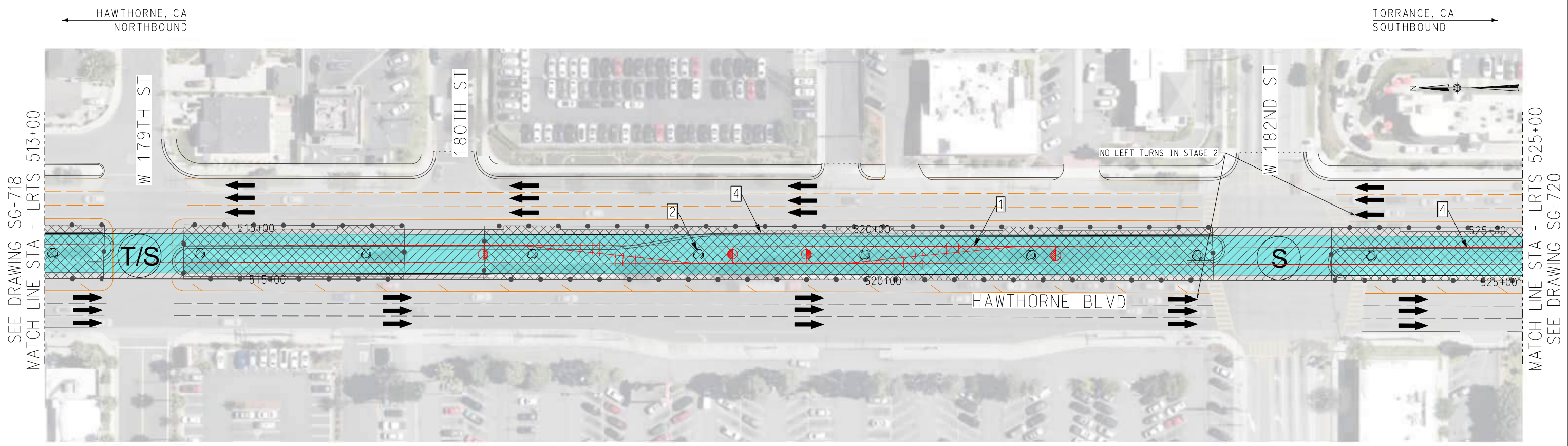
SUBMITTED: _____ APPROVED: _____

PROJECT MANAGER

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 HAWTHORNE OPTION - TRAFFIC HANDLING
 AND STAGING - STAGE 2. LRTS 501+00
 TO LRTS 513+00. SHEET 18 OF 31

CONTRACT NO. AE63445001	
DRAWING NO. SG-718	
REVISION	SHEET NO.
SCALE	AS SHOWN

18.07.2022 13:27:24 LukaskA pw\lucaskom-eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD GIS\910-CAD_20_SHEETS\CONSTRUCTION STAGING\SG-619



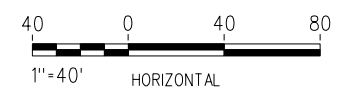
STAGE 2

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 2

- 1] RELOCATE ALL CONFLICTING UTILITIES UNDERNEATH THE MEDIAN, WHERE REQUIRED.
- 2] CONSTRUCT PROPOSED LRT AERIAL TRACKWAY, COLUMNS AND SURROUNDING CURBED MEDIAN. WORK TO BE STAGED SO AS TO MINIMIZE CLOSURES AT MAIN INTERSECTIONS AND PEDESTRIAN CROSSINGS DURING BUSINESS HOURS.
- 3] LEFT TURN LANES AT 164TH, 166TH, 169TH AND 171ST ST WILL BE OPENED THROUGHOUT THIS STAGE.
- 4] REMOVE THE EXISTING PAVEMENT AND CURB FROM THE INSIDE LANE OF NB HAWTHORNE BLVD. WHERE REQUIRED. IN THOSE AREAS CONSTRUCT THE DESIGNED CURB AND GUTTER.

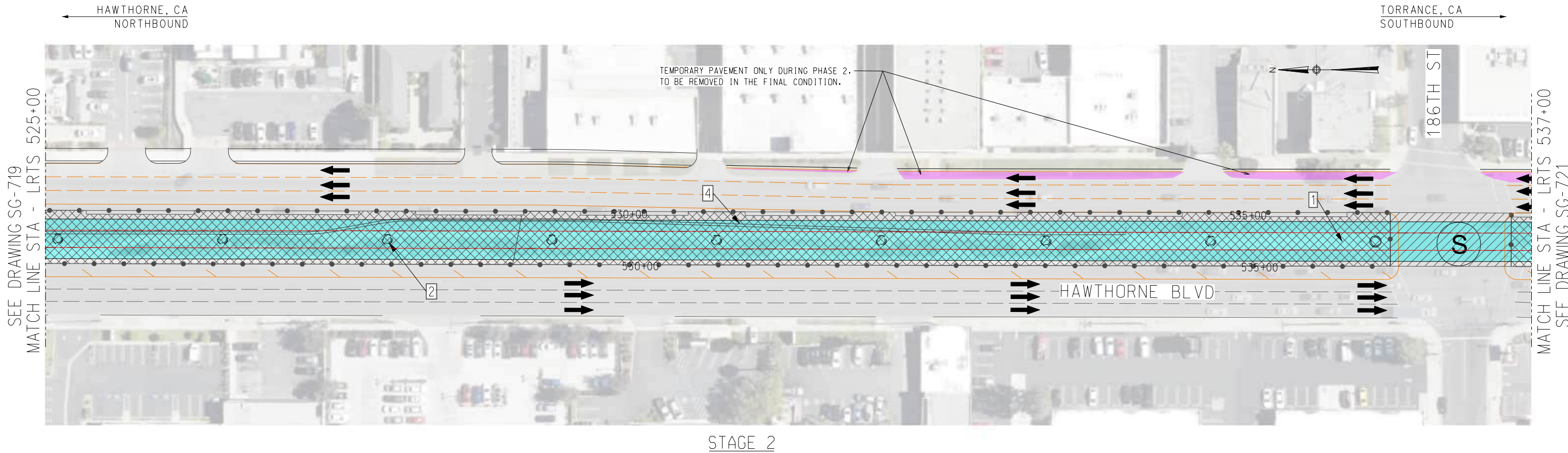
LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



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		DRAWN BY D. STEFANOWSKI	CHECKED BY J. VUONG	APPROVED BY M. E. ALFONSO			REVISION SHEET NO.
REV.	DATE	BY	SUB. APP.	DATE	SUBMITTED: _____ PROJECT MANAGER	APPROVED: _____	SCALE AS SHOWN

18.07.2022 13:28:25 LukaskA pw\lucaskom-eu-pw.bentley.com\AECOM\DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD_SHEETS\CONSTRUCTION STAGING\SG-620



SEE DRAWING SG-719
MATCH LINE STA - LRTS 525+00

MATCH LINE STA - LRTS 537+00
SEE DRAWING SG-721

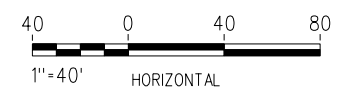
STAGE 2

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 2

- 1 RELOCATE ALL CONFLICTING UTILITIES UNDERNEATH THE MEDIAN, WHERE REQUIRED.
- 2 CONSTRUCT PROPOSED LRT AERIAL TRACKWAY, COLUMNS AND SURROUNDING CURBED MEDIAN. WORK TO BE STAGED SO AS TO MINIMIZE CLOSURES AT MAIN INTERSECTIONS AND PEDESTRIAN CROSSINGS DURING BUSINESS HOURS.
- 3 LEFT TURN LANES AT 164TH, 166TH, 169TH AND 171ST ST WILL BE OPENED THROUGHOUT THIS STAGE.
- 4 REMOVE THE EXISTING PAVEMNET AND CURB FROM THE INSIDE LANE OF NB HAWTHORNE BLVD. WHERE REQUIRED. IN THOSE AREAS CONSTRUCT THE DESIGNED CURB AND GUTTER.

LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



NOT FOR CONSTRUCTION	
REV.	DATE
BY	APP.

INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.	
DESIGNED BY	K. CHECINSKI
DRAWN BY	D. STEFANOWSKI
CHECKED BY	J. VUONG
APPROVED BY	M. E. ALFONSO
DATE	07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

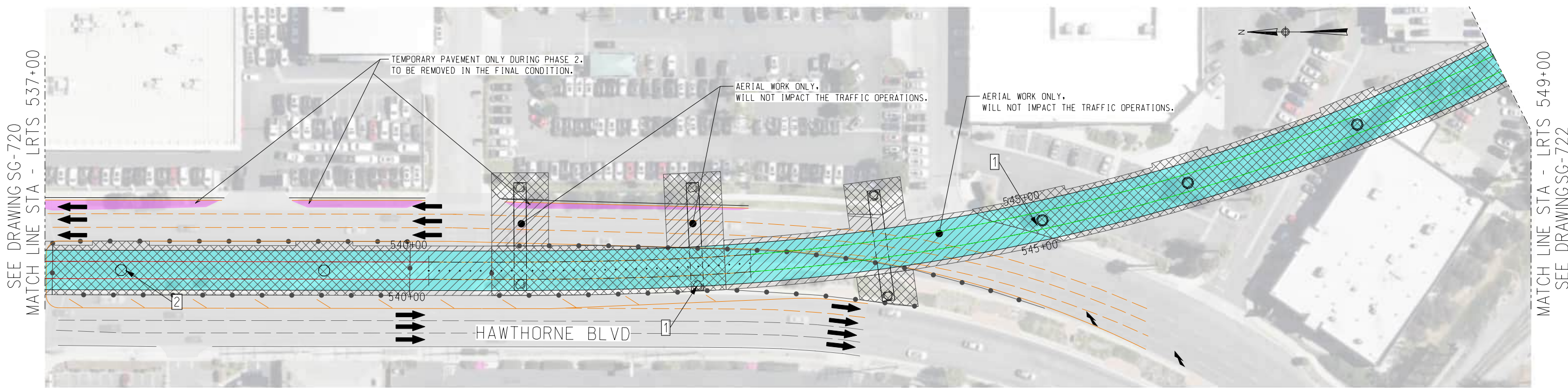
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 2. LRTS 525+00 TO LRTS 537+00. SHEET 20 OF 31

CONTRACT NO. AE63445001	
DRAWING NO. SG-720	
REVISION	SHEET NO.
SCALE AS SHOWN	

18.07.2022 13:55:32 LukaskiA pw\lucaski\eu-pw.bentley.com\AECOM\DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD_SHEETS\CONSTRUCTION STAGING\SG-621

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



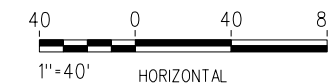
STAGE 2

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 2

- 1 RELOCATE ALL CONFLICTING UTILITIES UNDERNEATH THE MEDIAN, WHERE REQUIRED.
- 2 CONSTRUCT PROPOSED LRT AERIAL TRACKWAY, COLUMNS AND SURROUNDING CURBED MEDIAN. WORK TO BE STAGED SO AS TO MINIMIZE CLOSURES AT MAIN INTERSECTIONS AND PEDESTRIAN CROSSINGS DURING BUSINESS HOURS.
- 3 LEFT TURN LANES AT 164TH, 166TH, 169TH AND 171ST ST WILL BE OPENED THROUGHOUT THIS STAGE.
- 4 REMOVE THE EXISTING PAVEMENT AND CURB FROM THE INSIDE LANE OF NB HAWTHORNE BLVD. WHERE REQUIRED. IN THOSE AREAS CONSTRUCT THE DESIGNED CURB AND GUTTER.

LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

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DESIGNED BY K. CHECINSKI
DRAWN BY D. STEFANOWSKI
CHECKED BY J. VUONG
APPROVED BY M. E. ALFONSO
DATE 07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

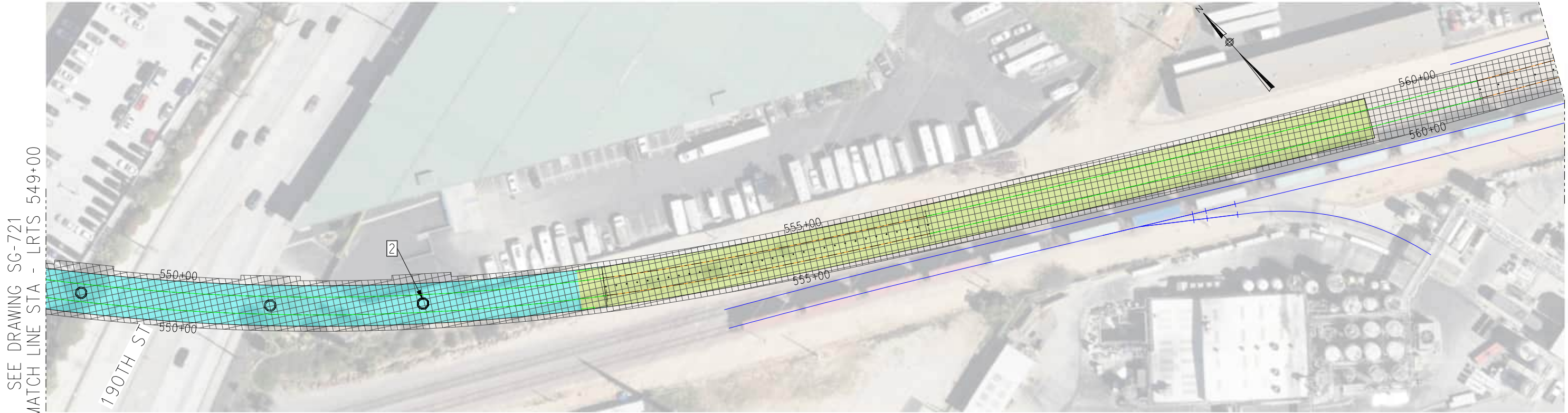
SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 2. LRTS 537+00 TO LRTS 549+00. SHEET 21 OF 31

CONTRACT NO. AE63445001	
DRAWING NO. SG-721	
REVISION	SHEET NO.
SCALE	AS SHOWN

18.07.2022 13:36:33 LukaskA pw\vaecom-eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD_GIS\910-CAD_20_SHEETS\CONSTRUCTION STAGING\SG-622

HAWTHORNE, CA NORTHBOUND TORRANCE, CA SOUTHBOUND



SEE DRAWING SG-721
MATCH LINE STA - LRTS 549+00

MATCH LINE STA - LRTS 561+00
SEE DRAWING SG-723

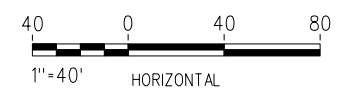
STAGE 2

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 2

- 1 RELOCATE ALL CONFLICTING UTILITIES UNDERNEATH THE MEDIAN, WHERE REQUIRED.
- 2 CONSTRUCT PROPOSED LRT AERIAL TRACKWAY, COLUMNS AND SURROUNDING CURBED MEDIAN. WORK TO BE STAGED SO AS TO MINIMIZE CLOSURES AT MAIN INTERSECTIONS AND PEDESTRIAN CROSSINGS DURING BUSINESS HOURS.
- 3 LEFT TURN LANES AT 164TH, 166TH, 169TH AND 171ST ST WILL BE OPENED THROUGHOUT THIS STAGE.
- 4 REMOVE THE EXISTING PAVEMENT AND CURB FROM THE INSIDE LANE OF NB HAWTHORNE BLVD. WHERE REQUIRED. IN THOSE AREAS CONSTRUCT THE DESIGNED CURB AND GUTTER.

LEGEND:

- | | | | |
|------------------------|-------------------------------------|---------------------------------------|------------------------------------|
| PROPOSED TANGENT TRACK | ROAD BARRIER | ARROW INDICATING DIRECTION OF TRAFFIC | PROPOSED WORK ZONE |
| PROPOSED SPIRAL TRACK | PROPOSED RETAINED FILL | BRIDGE COLUMN | PROPOSED WORK ZONE - AERIAL |
| PROPOSED CURVE TRACK | PROPOSED AERIAL STRUCTURE | TEMPORARY TRAFFIC LANES | PROPOSED WORK ZONE - INTERSECTIONS |
| PROPOSED FREIGHT TRACK | SIGNALIZED INTERSECTION | EXISTING TRAFFIC LANES | TEMPORARY PAVEMENT |
| EXISTING FREIGHT TRACK | TEMPORARILY SIGNALIZED INTERSECTION | FINAL TRAFFIC LANES | |
| RIGHT OF WAY BOUNDARY | | | |



NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

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DESIGNED BY K. CHECINSKI
DRAWN BY D. STEFANOWSKI
CHECKED BY J. VUONG
APPROVED BY M. E. ALFONSO
DATE 07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____	APPROVED: _____
<small>PROJECT MANAGER</small>	

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - TRAFFIC HANDLING
AND STAGING - STAGE 2. LRTS 549+00
TO LRTS 561+00. SHEET 22 OF 31

CONTRACT NO. AE63445001	
DRAWING NO. SG-722	
REVISION	SHEET NO.
SCALE	AS SHOWN

18.07.2022 13:38:08 LukaskA pw\lucaskom-eu-pw.bentley.com\AECOM\DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD-GIS\910-CAD_20_SHEETS\CONSTRUCTION STAGING\SG-623



STAGE 2

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 2

- 1 RELOCATE ALL CONFLICTING UTILITIES UNDERNEATH THE MEDIAN, WHERE REQUIRED.
- 2 CONSTRUCT PROPOSED LRT AERIAL TRACKWAY, COLUMNS AND SURROUNDING CURBED MEDIAN. WORK TO BE STAGED SO AS TO MINIMIZE CLOSURES AT MAIN INTERSECTIONS AND PEDESTRIAN CROSSINGS DURING BUSINESS HOURS.
- 3 LEFT TURN LANES AT 164TH, 166TH, 169TH AND 171ST ST WILL BE OPENED THROUGHOUT THIS STAGE.
- 4 REMOVE THE EXISTING PAVEMNET AND CURB FROM THE INSIDE LANE OF NB HAWTHORNE BLVD. WHERE REQUIRED. IN THOSE AREAS CONSTRUCT THE DESIGNED CURB AND CUTTER.

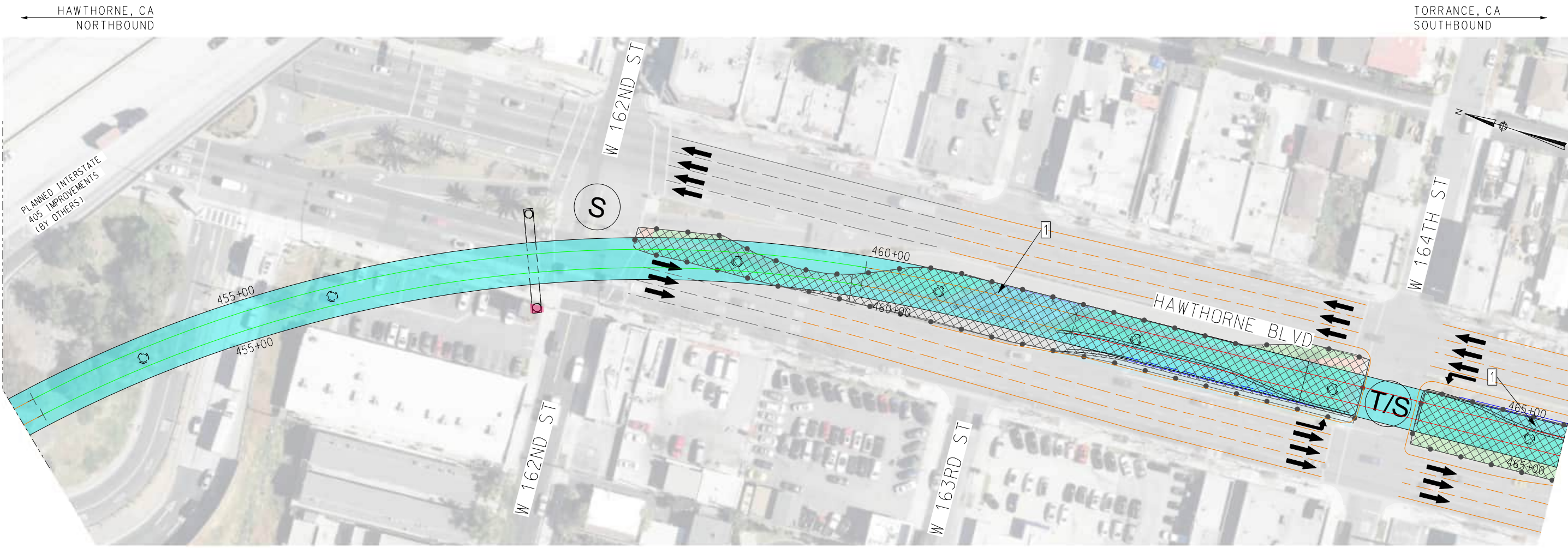
LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



NOT FOR CONSTRUCTION		INFORMATION CONFIDENTIAL: All plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Los Angeles County Metropolitan Transportation Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Los Angeles County Metropolitan Transportation Authority.		DESIGNED BY K. CHECINSKI	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	METRO C LINE (GREEN) EXTENSION TO TORRANCE ADVANCED CONCEPTUAL ENGINEERING HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 2. LRTS 561+00 TO LRTS 563+85. SHEET 23 OF 31	CONTRACT NO. AE63445001 DRAWING NO. SG-723
		DRAWN BY D. STEFANOWSKI	CHECKED BY J. VUONG	APPROVED BY M. E. ALFONSO			REVISION SHEET NO.
REV.	DATE	BY	SUB. APP.	DATE	SUBMITTED: _____ PROJECT MANAGER	APPROVED: _____	SCALE AS SHOWN
				07/22/2022			

18.07.2022 13:40:14 LukaskA pw\lucask.com-eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD_GIS\910-CAD_20_SHEETS\CONSTRUCTION STAGING\SG-624



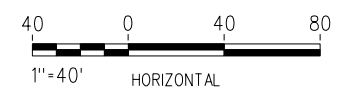
STAGE 3

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 3

- 1 RECONSTRUCT THE PARKING AREAS AND SIDEWALKS UNDERNEATH THE AERIAL GUIDEWAY.
- 2 CONSTRUCT THE NEW LEFT TURN LANES UNDERNEATH THE AERIAL GUIDEWAY ON HAWTHORNE SB/NB TO REDONDO BEACH, HAWTHORNE SB TO ARTESIA BLVD AND HAWTHORNE NB TO 186TH ST.
- 3 CONSTRUCT CURB EXTENSION AT THE RIGHT TURN TO THE SOUTHBAY GALLERIA

LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



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DESIGNED BY
K. CHECINSKI

DRAWN BY
D. STEFANOWSKI

CHECKED BY
J. VUONG

APPROVED BY
M. E. ALFONSO

DATE
07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ APPROVED: _____

PROJECT MANAGER

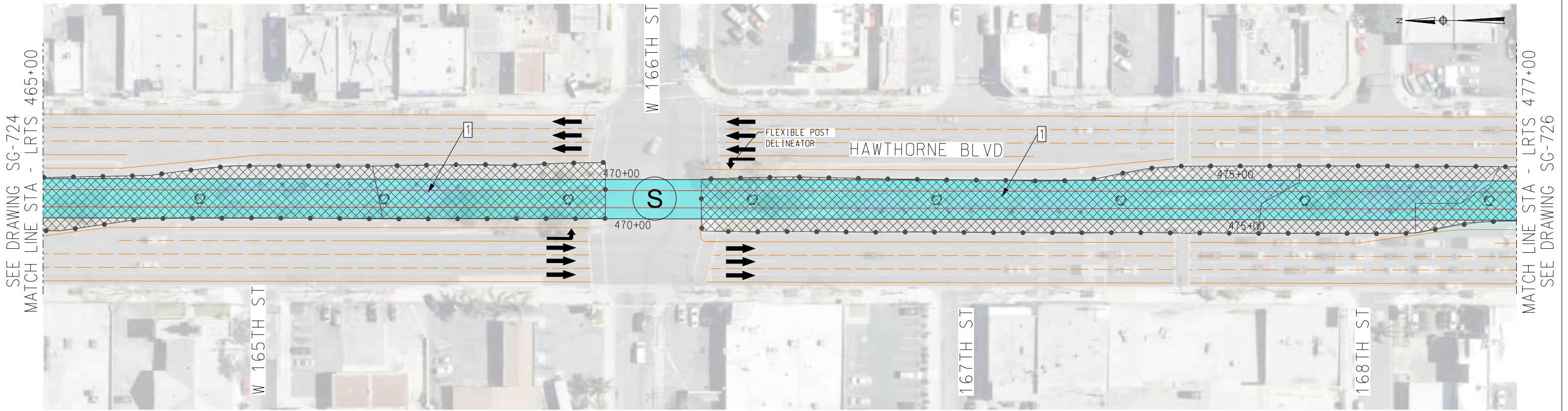
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 3. LRTS 453+00 TO LRTS 465+00. SHEET 24 OF 31

CONTRACT NO. AE63445001	
DRAWING NO. SG-724	
REVISION	SHEET NO.
SCALE	AS SHOWN

18.07.2022 13:41:25 Lukasiak pw\laecom-eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD GIS\910-CAD_20_SHEETS\CONSTRUCTION STAGING\SG-625

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



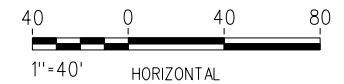
STAGE 3

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 3

- 1 RECONSTRUCT THE PARKING AREAS AND SIDEWALKS UNDERNEATH THE AERIAL GUIDEWAY.
- 2 CONSTRUCT THE NEW LEFT TURN LANES UNDERNEATH THE AERIAL GUIDEWAY ON HAWTHORNE SB/NB TO REDONDO BEACH, HAWTHORNE SB TO ARTESIA BLVD AND HAWTHORNE NB TO 186TH ST.
- 3 CONSTRUCT CURB EXTENSION AT THE RIGHT TURN TO THE SOUTHBAY GALLERIA

LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



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REV.	DATE	BY	SUB.	APP.

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DESIGNED BY K. CHECINSKI
DRAWN BY D. STEFANOWSKI
CHECKED BY J. VUONG
APPROVED BY M. E. ALFONSO
DATE 07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____	APPROVED: _____
PROJECT MANAGER	

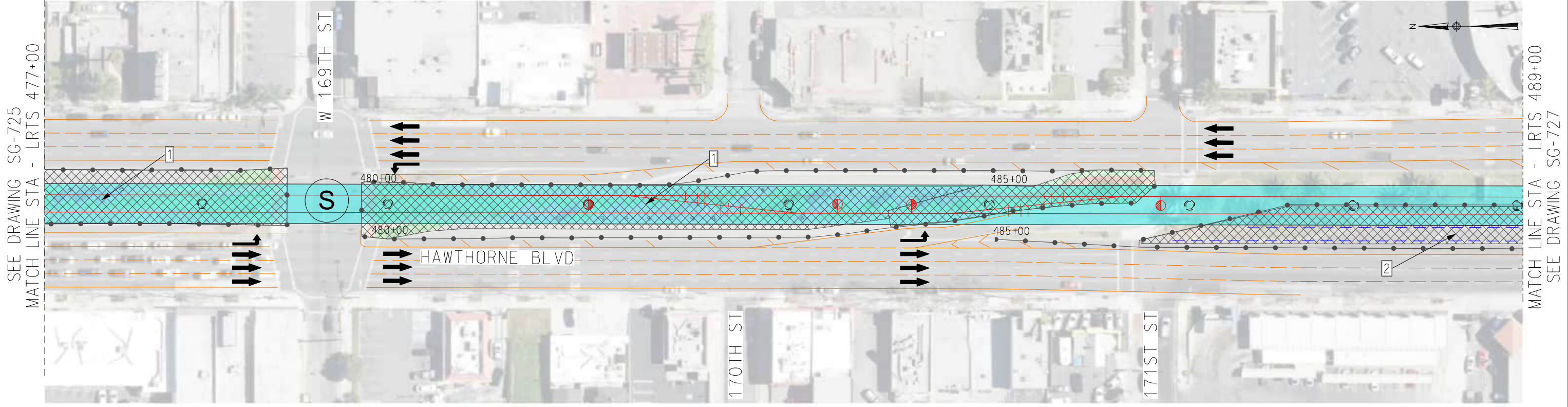
METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 3. LRTS 465+00 TO LRTS 477+00. SHEET 25 OF 31

CONTRACT NO. AE63445001	
DRAWING NO. SG-725	
REVISION	SHEET NO.
SCALE	AS SHOWN

18.07.2022 13:42:52 Lukasika pw\l\aeocom-eu-pw.bentley.com\AE\COM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD GIS\910-CAD_20_SHEETS\CONSTRUCTION STAGING\SG-626

HAWTHORNE, CA
NORTHBOUND

TORRANCE, CA
SOUTHBOUND



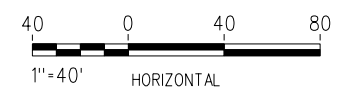
STAGE 3

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 3

- 1 RECONSTRUCT THE PARKING AREAS AND SIDEWALKS UNDERNEATH THE AERIAL GUIDEWAY.
- 2 CONSTRUCT THE NEW LEFT TURN LANES UNDERNEATH THE AERIAL GUIDEWAY ON HAWTHORNE SB/NB TO REDONDO BEACH, HAWTHORNE SB TO ARTESIA BLVD AND HAWTHORNE NB TO 186TH ST.
- 3 CONSTRUCT CURB EXTENSION AT THE RIGHT TURN TO THE SOUTHBAY GALLERIA

LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



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REV.	DATE	BY	SUB.	APP.

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DESIGNED BY K. CHECINSKI
DRAWN BY D. STEFANOWSKI
CHECKED BY J. VUONG
APPROVED BY M. E. ALFONSO
DATE 07/22/2022

LOS ANGELES COUNTY
METROPOLITAN
TRANSPORTATION AUTHORITY

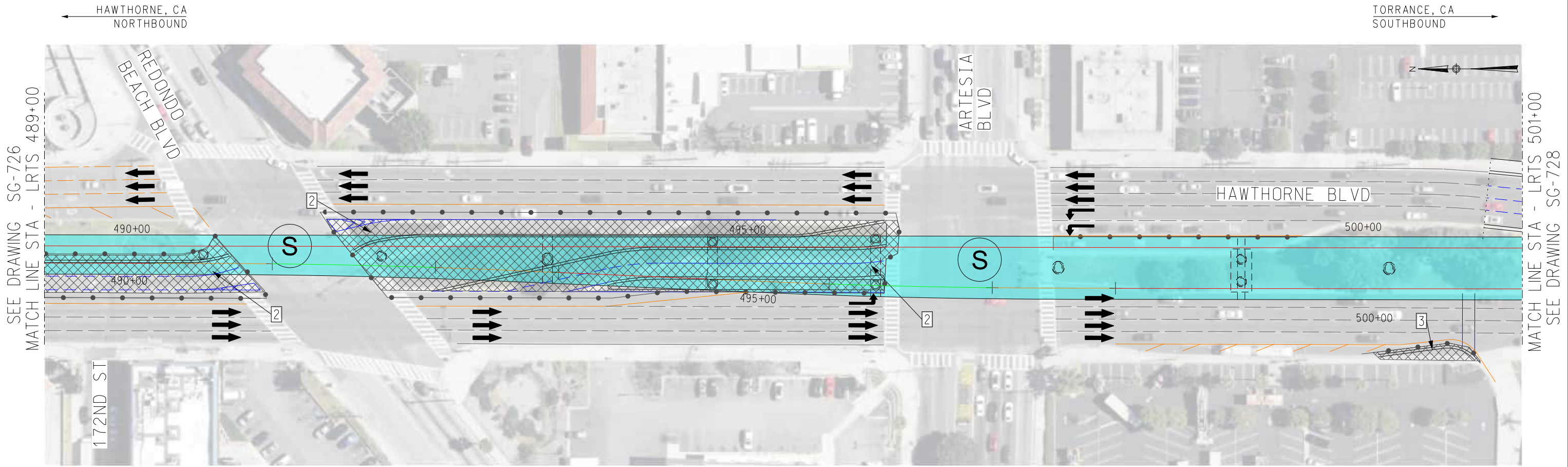
SUBMITTED: _____ APPROVED: _____

PROJECT MANAGER

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - TRAFFIC HANDLING
AND STAGING - STAGE 3. LRTS 477+00
TO LRTS 489+00. SHEET 26 OF 31

CONTRACT NO. AE63445001	
DRAWING NO. SG-726	
REVISION	SHEET NO.
SCALE	AS SHOWN

18.07.2022 13:43:58 Lukasika pw\luc\com-eu-pw.bentley.com\AECOM\DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD GIS\910-CAD_20_SHEETS\CONSTRUCTION STAGING\SG-627



STAGE 3

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 3

- 1 RECONSTRUCT THE PARKING AREAS AND SIDEWALKS UNDERNEATH THE AERIAL GUIDEWAY.
- 2 CONSTRUCT THE NEW LEFT TURN LANES UNDERNEATH THE AERIAL GUIDEWAY ON HAWTHORNE SB/NB TO REDONDO BEACH, HAWTHORNE SB TO ARTESIA BLVD AND HAWTHORNE NB TO 186TH ST.
- 3 CONSTRUCT CURB EXTENSION AT THE RIGHT TURN TO THE SOUTHBAY GALLERIA

LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



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REV.	DATE
BY	APP.

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DESIGNED BY	K. CHECINSKI
DRAWN BY	D. STEFANOWSKI
CHECKED BY	J. VUONG
APPROVED BY	M. E. ALFONSO
DATE	07/22/2022

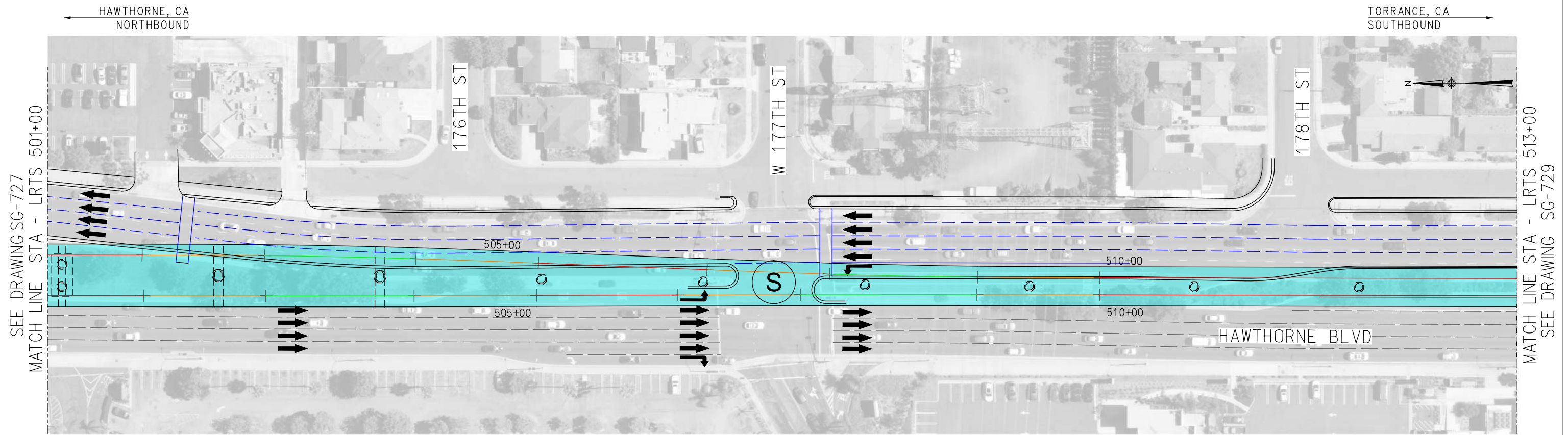
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 3. LRTS 489+00 TO LRTS 501+00. SHEET 27 OF 31

CONTRACT NO. AE63445001	
DRAWING NO. SG-727	
REVISION	SHEET NO.
SCALE	AS SHOWN

2022-07-22 13:53:15 KzysztOf.Chechinski pwa\adcom-eu-pw.bentley.com\AECOM\DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD-GIS\910-CAD\20_SHEETS\CONSTRUCTION STAGING\SG-728



STAGE 3

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 3

- 1 RECONSTRUCT THE PARKING AREAS AND SIDEWALKS UNDERNEATH THE AERIAL GUIDEWAY.
- 2 CONSTRUCT THE NEW LEFT TURN LANES UNDERNEATH THE AERIAL GUIDEWAY ON HAWTHORNE SB/NB TO REDONDO BEACH, HAWTHORNE SB TO ARTESIA BLVD AND HAWTHORNE NB TO 186TH ST.
- 3 CONSTRUCT CURB EXTENSION AT THE RIGHT TURN TO THE SOUTHBAY GALLERIA

LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



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REV.	DATE
BY	APP.

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DESIGNED BY
K. CHECINSKI

DRAWN BY
D. STEFANOWSKI

CHECKED BY
J. VUONG

APPROVED BY
M. E. ALFONSO

DATE
07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

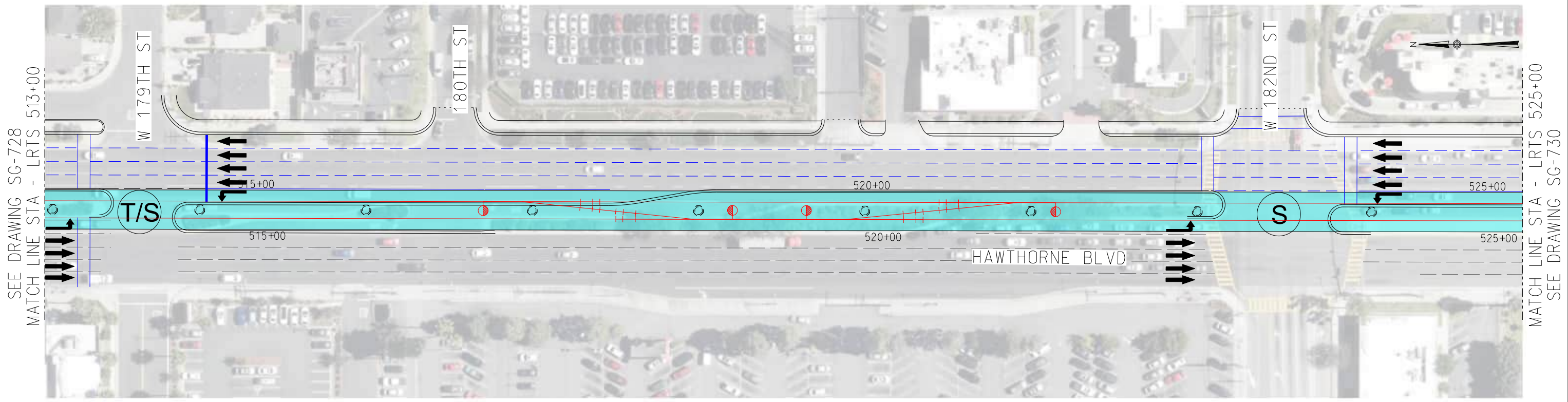
SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - TRAFFIC HANDLING
AND STAGING - STAGE 3. LRTS 501+00
TO LRTS 513+00. SHEET 28 OF 31

CONTRACT NO. AE63445001	
DRAWING NO. SG-728	
REVISION	SHEET NO.
SCALE	AS SHOWN

18.07.2022 13:47:36 LukaskA pw\l\aeocom-eu-pw.bentley.com\AE63445001\Documents\60626028-Green Line Extension to Torrance\900-CAD GIS\910-CAD_20_SHEETS\CONSTRUCTION STAGING\SG-629

HAWTHORNE, CA NORTHBOUND TORRANCE, CA SOUTHBOUND



STAGE 3

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 3

- 1 RECONSTRUCT THE PARKING AREAS AND SIDEWALKS UNDERNEATH THE AERIAL GUIDEWAY.
- 2 CONSTRUCT THE NEW LEFT TURN LANES UNDERNEATH THE AERIAL GUIDEWAY ON HAWTHORNE SB/NB TO REDONDO BEACH, HAWTHORNE SB TO ARTESIA BLVD AND HAWTHORNE NB TO 186TH ST.
- 3 CONSTRUCT CURB EXTENSION AT THE RIGHT TURN TO THE SOUTHBAY GALLERIA

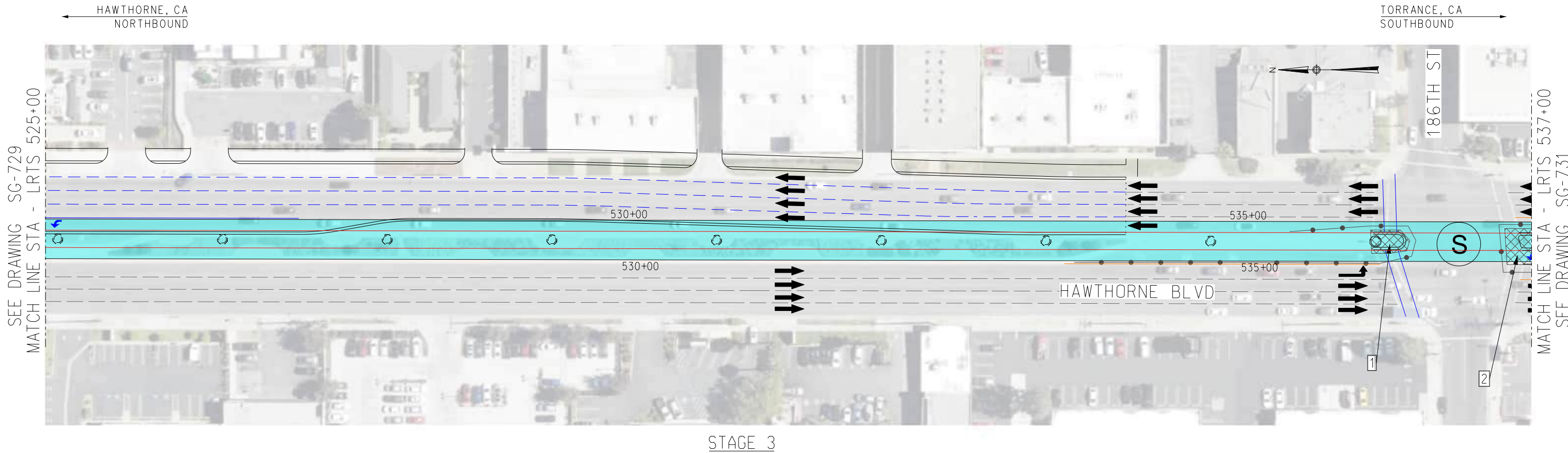
LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



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		SUBMITTED: _____ PROJECT MANAGER APPROVED: _____					
REV.	DATE	BY	SUB. APP.				

18.07.2022 13:48:33 LukaskA pw\laecom-eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD_GIS\910-CAD_20_SHEETS\CONSTRUCTION STAGING\SG-630



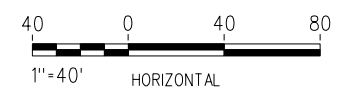
STAGE 3

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 3

- 1 RECONSTRUCT THE PARKING AREAS AND SIDEWALKS UNDERNEATH THE AERIAL GUIDEWAY.
- 2 CONSTRUCT THE NEW LEFT TURN LANES UNDERNEATH THE AERIAL GUIDEWAY ON HAWTHORNE SB/NB TO REDONDO BEACH, HAWTHORNE SB TO ARTESIA BLVD AND HAWTHORNE NB TO 186TH ST.
- 3 CONSTRUCT CURB EXTENSION AT THE RIGHT TURN TO THE SOUTHBAY GALLERIA

LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



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DESIGNED BY	K. CHECINSKI
DRAWN BY	D. STEFANOWSKI
CHECKED BY	J. VUONG
APPROVED BY	M. E. ALFONSO
DATE	07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

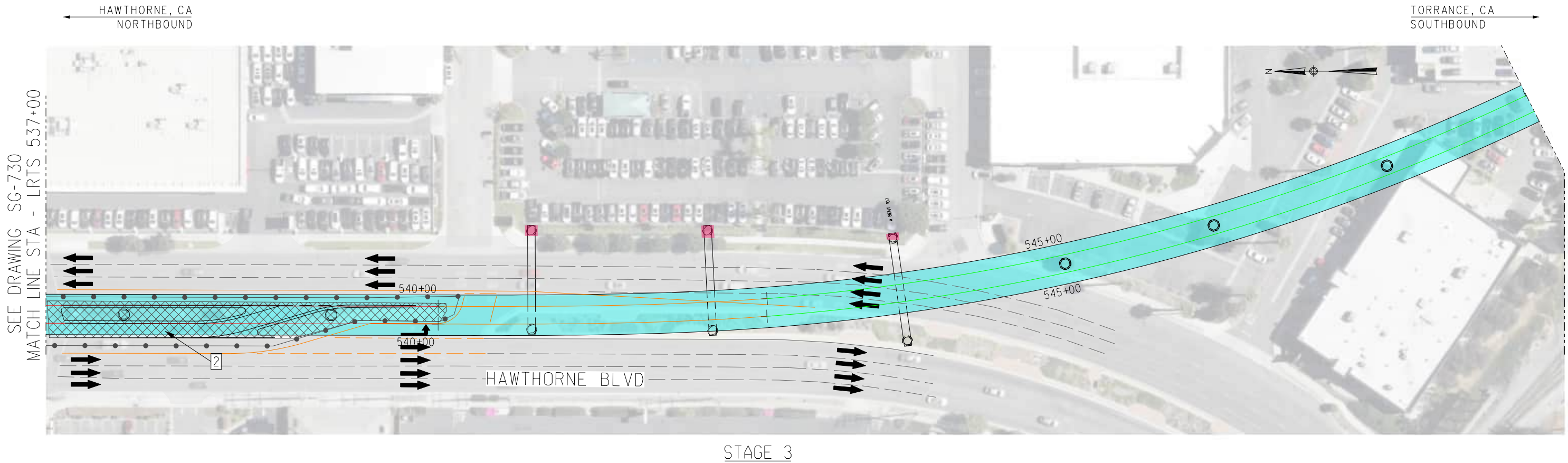
SUBMITTED: _____ APPROVED: _____

PROJECT MANAGER

METRO C LINE (GREEN) EXTENSION TO TORRANCE
 ADVANCED CONCEPTUAL ENGINEERING
 HAWTHORNE OPTION - TRAFFIC HANDLING AND STAGING - STAGE 3. LRTS 525+00 TO LRTS 537+00. SHEET 30 OF 31

CONTRACT NO. AE63445001	
DRAWING NO. SG-730	
REVISION	SHEET NO.
SCALE	AS SHOWN

18.07.2022 13:49:27 LukasiA pw\laecom-eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD GIS\910-CAD_20_SHEETS\CONSTRUCTION STAGING\SG-631



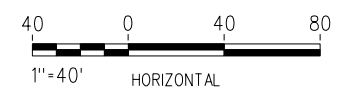
STAGE 3

LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- S SIGNALIZED INTERSECTION
- T/S TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- X X X X PROPOSED WORK ZONE
- / / / / PROPOSED WORK ZONE - AERIAL
- \ \ \ \ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT

STAGE CONSTRUCTION/TRAFFIC HANDLING NOTES - STAGE 3

- 1 RECONSTRUCT THE PARKING AREAS AND SIDEWALKS UNDERNEATH THE AERIAL GUIDEWAY.
- 2 CONSTRUCT THE NEW LEFT TURN LANES UNDERNEATH THE AERIAL GUIDEWAY ON HAWTHORNE SB/NB TO REDONDO BEACH, HAWTHORNE SB TO ARTESIA BLVD AND HAWTHORNE NB TO 186TH ST.
- 3 CONSTRUCT CURB EXTENSION AT THE RIGHT TURN TO THE SOUTHBAY GALLERIA



NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

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DESIGNED BY K. CHECINSKI
DRAWN BY D. STEFANOWSKI
CHECKED BY J. VUONG
APPROVED BY M. E. ALFONSO
DATE 07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

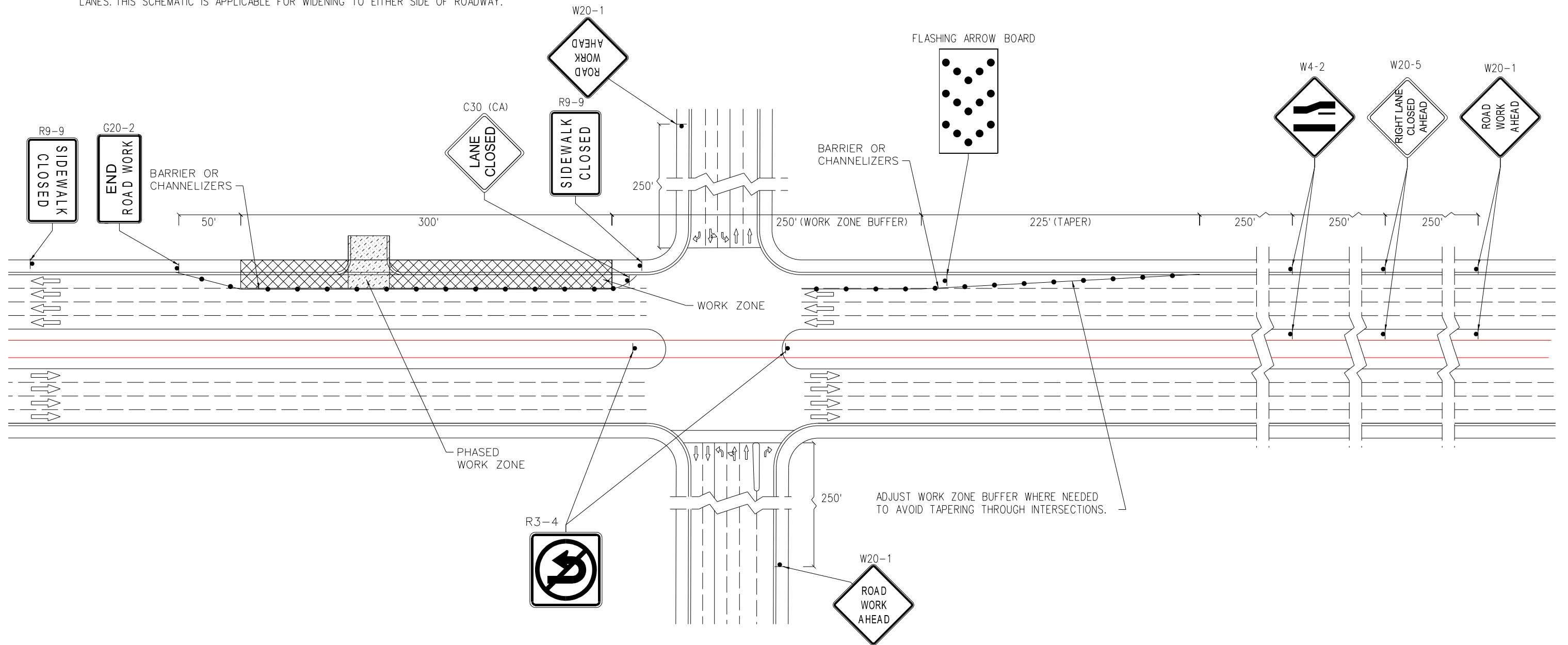
SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
HAWTHORNE OPTION - TRAFFIC HANDLING
AND STAGING - STAGE 3. LRTS 537+00
TO LRTS 549+00. SHEET 31 OF 31

CONTRACT NO. AE63445001	
DRAWING NO. SG-731	
REVISION	SHEET NO.
SCALE	AS SHOWN

NOTES

1. THIS SHEET IS APPLICABLE FOR PHASE 1 TRAFFIC HANDLING.
2. ROADWAY WIDENING ON THIS PLAN IS SHOWN AS OCCURRING ON WESTBOUND TRAVELED LANES. THIS SCHEMATIC IS APPLICABLE FOR WIDENING TO EITHER SIDE OF ROADWAY.



LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- S SIGNALIZED INTERSECTION
- T/S TEMPORARILY SIGNALIZED INTERSECTION
- ARROW INDICATING DIRECTION OF TRAFFIC
- ⊙ BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- PROPOSED WORK ZONE
- PROPOSED WORK ZONE - AERIAL
- PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



NOT FOR CONSTRUCTION

REV.	DATE	BY	SUB.	APP.

INFORMATION CONFIDENTIAL:
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DESIGNED BY K. CHECINSKI
DRAWN BY D. STEFANOWSKI
CHECKED BY J. VUONG
APPROVED BY M. E. ALFONSO
DATE 07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
TRAFFIC HANDLING.
SIGNAGE & STRIPING SCHEMATIC SHEET 1 OF 2.
MID-BLOCK STREET WIDENING

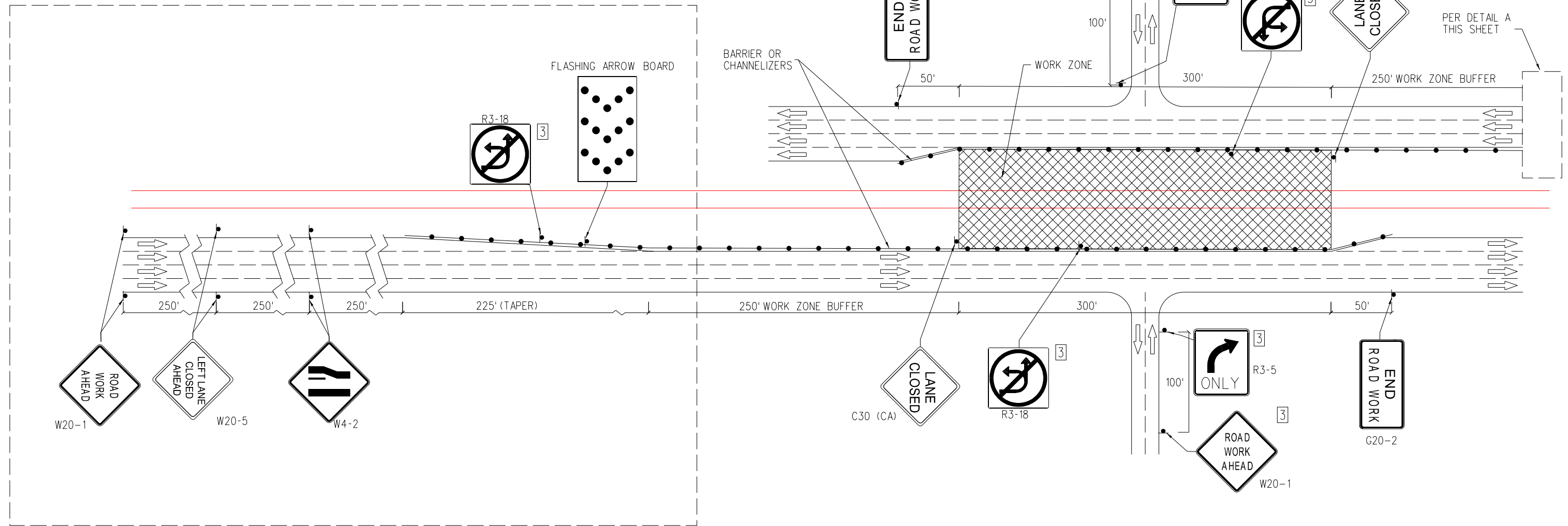
CONTRACT NO. AE63445001	
DRAWING NO. TH-701	
REVISION	SHEET NO.
SCALE	AS SHOWN

18.07.2022 13:50:26 LukaskA pw\lvaecom-eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD GIS\910-CAD 20_SHEETS\CONSTRUCTION STAGING\TH-601

NOTES

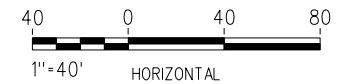
- THIS SHEET IS APPLICABLE FOR STAGE 2 TRAFFIC HANDLING ALONG HAWTHORNE BLVD ONLY IF FULL INTERSECTION CLOSURE IS REQUIRED
 - PEDESTRIAN CROSSINGS TO BE MAINTAINED OR DETOURED WHERE APPROPRIATE AT WORK ZONES
- [3] SIGNS TO BE USED ON INTERSECTION AREA

DETAIL - A



LEGEND:

- PROPOSED TANGENT TRACK
- PROPOSED SPIRAL TRACK
- PROPOSED CURVE TRACK
- PROPOSED FREIGHT TRACK
- EXISTING FREIGHT TRACK
- - - - - RIGHT OF WAY BOUNDARY
- ROAD BARRIER
- PROPOSED RETAINED FILL
- PROPOSED AERIAL STRUCTURE
- (S) SIGNALIZED INTERSECTION
- (T/S) TEMPORARILY SIGNALIZED INTERSECTION
- ➔ ARROW INDICATING DIRECTION OF TRAFFIC
- BRIDGE COLUMN
- TEMPORARY TRAFFIC LANES
- EXISTING TRAFFIC LANES
- FINAL TRAFFIC LANES
- ▨ PROPOSED WORK ZONE
- ▨ PROPOSED WORK ZONE - AERIAL
- ▨ PROPOSED WORK ZONE - INTERSECTIONS
- TEMPORARY PAVEMENT



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DESIGNED BY K. CHECINSKI
DRAWN BY D. STEFANOWSKI
CHECKED BY J. VUONG
APPROVED BY M. E. ALFONSO
DATE 07/22/2022

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SUBMITTED: _____ PROJECT MANAGER APPROVED: _____

METRO C LINE (GREEN) EXTENSION TO TORRANCE
ADVANCED CONCEPTUAL ENGINEERING
TRAFFIC HANDLING.
SIGNAGE & STRIPING SCHEMATIC SHEET 2 OF 2
CONSTRUCTION AT INTERSECTIONS

CONTRACT NO. AE63445001	
DRAWING NO. TH-702	
REVISION	SHEET NO.
SCALE	AS SHOWN

18.07.2022 13:51:13 LukaskA pw\l\aeecom-eu-pw.bentley.com\AECOM_DS06_EU\Documents\60626028-Green Line Extension to Torrance\900-CAD-GIS\910-CAD-20-SHEETS\CONSTRUCTION STAGING\TH-602