

# West Santa Ana Branch Transit Corridor

Final EIS/EIR Appendix B: Final Advanced Conceptual Alignment Design  
Part 2

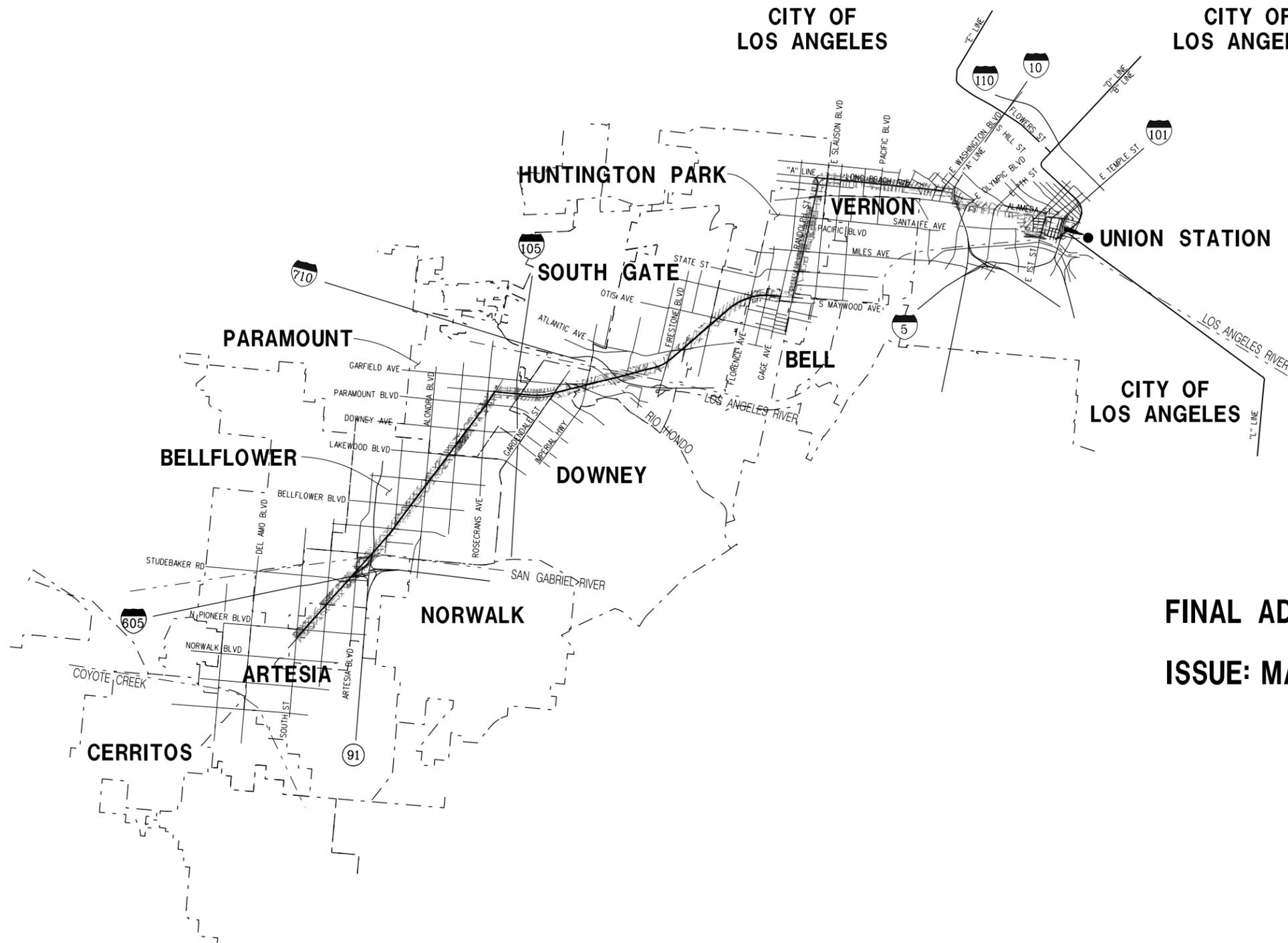
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wspw14-pw-svc22-47  
16-FEB-2024

CITY OF  
LOS ANGELES

CITY OF  
LOS ANGELES



**FINAL ADVANCED CONCEPTUAL STATIONS DESIGN**  
**ISSUE: MARCH 2024**

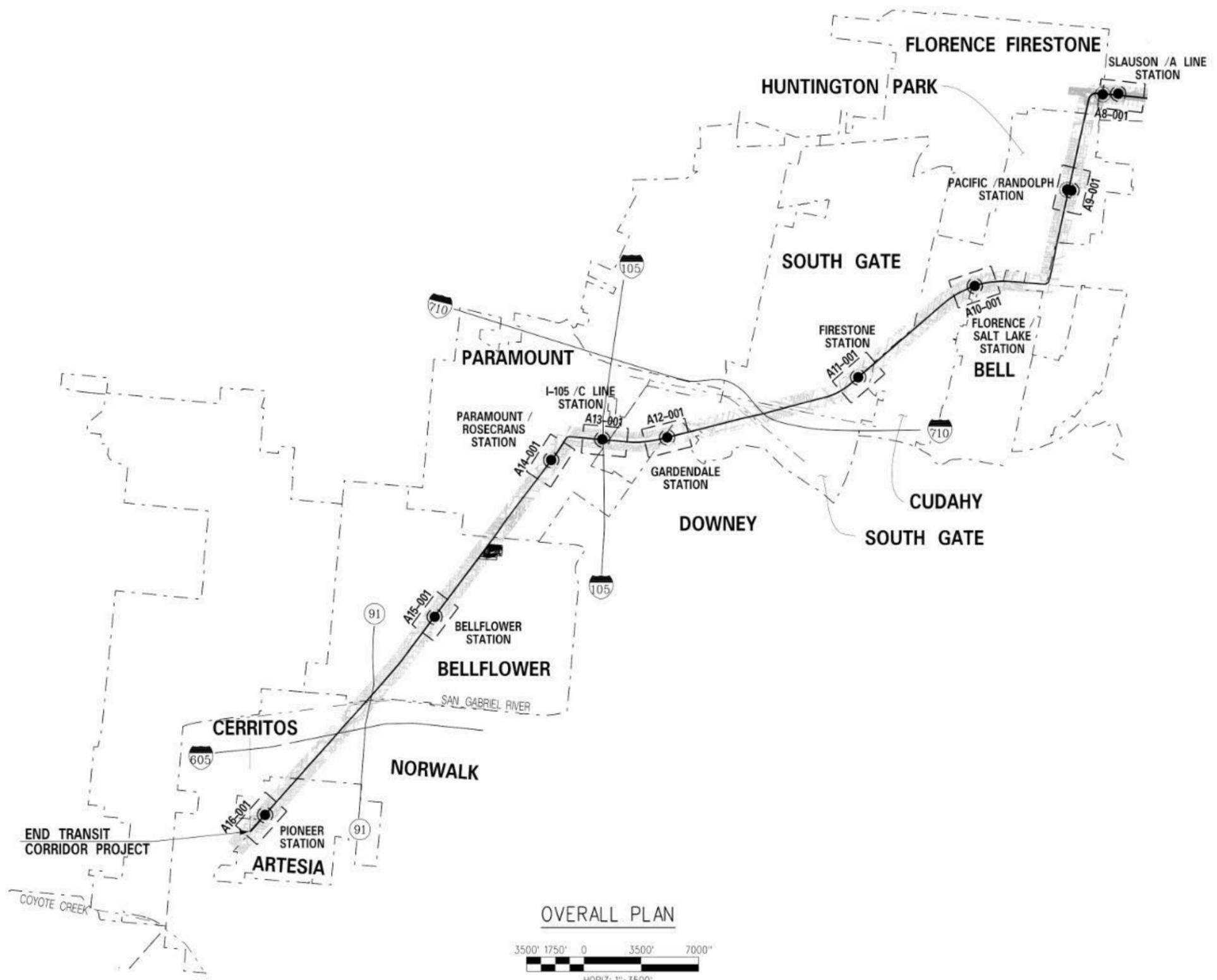
**NOT FOR CONSTRUCTION**

# WEST SANTA ANA BRANCH TRANSIT CORRIDOR PROJECT

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



LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY



# FINAL ADVANCED CONCEPTUAL STATIONS DESIGN

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THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER
	3/17/23					
						FINAL STATION DRAWINGS
						DESCRIPTION

DESIGNED BY G. LONTOK
DRAWN BY C. HA
CHECKED BY J. HUANG
IN CHARGE R. LOYA
DATE 3/17/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

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

SUBMITTED	_____
APPROVED	_____

<b>WEST SANTA ANA BRANCH LRT ARCHITECTURAL STATIONS KEY MAP</b>	
CONTRACT NO. AE5999300	REV
DRAWING NO. A0-001	REV
SCALE 1"=3500'	
SHEET NO 1 OF 37	

This document is 11" when printed on a 22" x 34" sheet; it is 1/2 on 11" x 17" sheet.

INDEX OF DRAWINGS

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4	AI-101	BRIDGE LEVEL PLAN	SLAUSON/A LINE STATION
5	AI-102	PLATFORM LEVEL PLAN	SLAUSON/A LINE STATION
6	AI-103	MEZZANINE LEVEL PLAN	SLAUSON/A LINE STATION
7	AI-104	STREET LEVEL PLAN	SLAUSON/A LINE STATION
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10	AI-203	SECTIONS	SLAUSON/A LINE STATION
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13	A2-200	SECTIONS	PACIFIC/RANDOLPH STATION
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15	A3-100	PLATFORM PLAN	FLORENCE/SALT LAKE STATION
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18	A4-100	PLANS	FIRESTONE STATION
19	A4-200	SECTIONS	FIRESTONE STATION
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21	A5-100	PLATFORM PLAN	GARDENDALE STATION
22	A5-200	SECTIONS	GARDENDALE STATION
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25	A6-101	SECTIONS	I-105/C LINE STATION
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33	A8-100	PLATFORM PLAN	BELLFLOWER STATION
34	A8-200	SECTIONS	BELLFLOWER STATION
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36	A9-100	PLATFORM PLAN	PIONEER STATION
37	A9-200	SECTIONS	PIONEER STATION

GENERAL NOTES

- DESIGN IS CONCEPTUAL IN NATURE, FOR ESTABLISHING ENVIRONMENTAL FOOTPRINT. FURTHER COORDINATION REQUIRED WITH PROJECTS INCLUDE: RAIL TO RAIL/RIVER, I-710 CORRIDOR BIKE PATH PROJECT, HOLLYDALE VILLAGE SPECIFIC PLAN, RANCHO LOS AMIGOS RE-DEVELOPMENT, BELLFLOWER-PARAMOUNT JOINT BIKE AND TRAIL MASTER PLAN.
- PARKING LOT LAYOUTS ARE CONCEPTUAL IN NATURE. ACTUAL LAYOUT AND NUMBER OF SPACES TO BE PROVIDED WILL BE DETERMINED IN FINAL DESIGN. DROP OFF/ PICK UP AND POSSIBLE BUS TRANSFERS POSITIONS ARE NOT SHOWN IN PARKING LOTS.
- PLACEMENT OF COLUMNS AND OUTRIGGERS IS PRELIMINARY. ACTUAL LAYOUT TO BE DETERMINED IN FUTURE DESIGN. COLUMNS MAY ENCRoACH INTO PRIVATE PROPERTIES. WHERE RIGHT OF WAY IS AVAILABLE, COLUMN IS PLACED IN SIDEWALKS OR WITHIN ROADWAY SECTION. STRADDLE BENTS ARE USED WHERE STREET GEOMETRY IS LIMITED AND/OR TRAFFIC IS IMPACTED.
- BIKE LOCKERS AND RACKS TO BE ADDED IN FUTURE DESIGN PACKAGE.
- ARTWORK LOCATIONS TO BE ADDED IN FUTURE DESIGN PACKAGE.

DRAFT ADVANCED CONCEPTUAL STATIONS DESIGN

NOT FOR CONSTRUCTION

<small>THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA) UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.</small>							
DESIGNED BY	G. LONTOK	DATE	12/12/2022	REVISED MAY 2022	DESCRIPTION	SEAL HOLDER	
DRAWN BY	A. NAPOLES						
CHECKED BY	J. HUANG						
IN CHARGE	R. LOYA						
REG. NO.		EXPIRES					
APP		BY					
REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY	G. LONTOK
DRAWN BY	A. NAPOLES
CHECKED BY	J. HUANG
IN CHARGE	R. LOYA
DATE	12/12/2022

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

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SUBMITTED \_\_\_\_\_

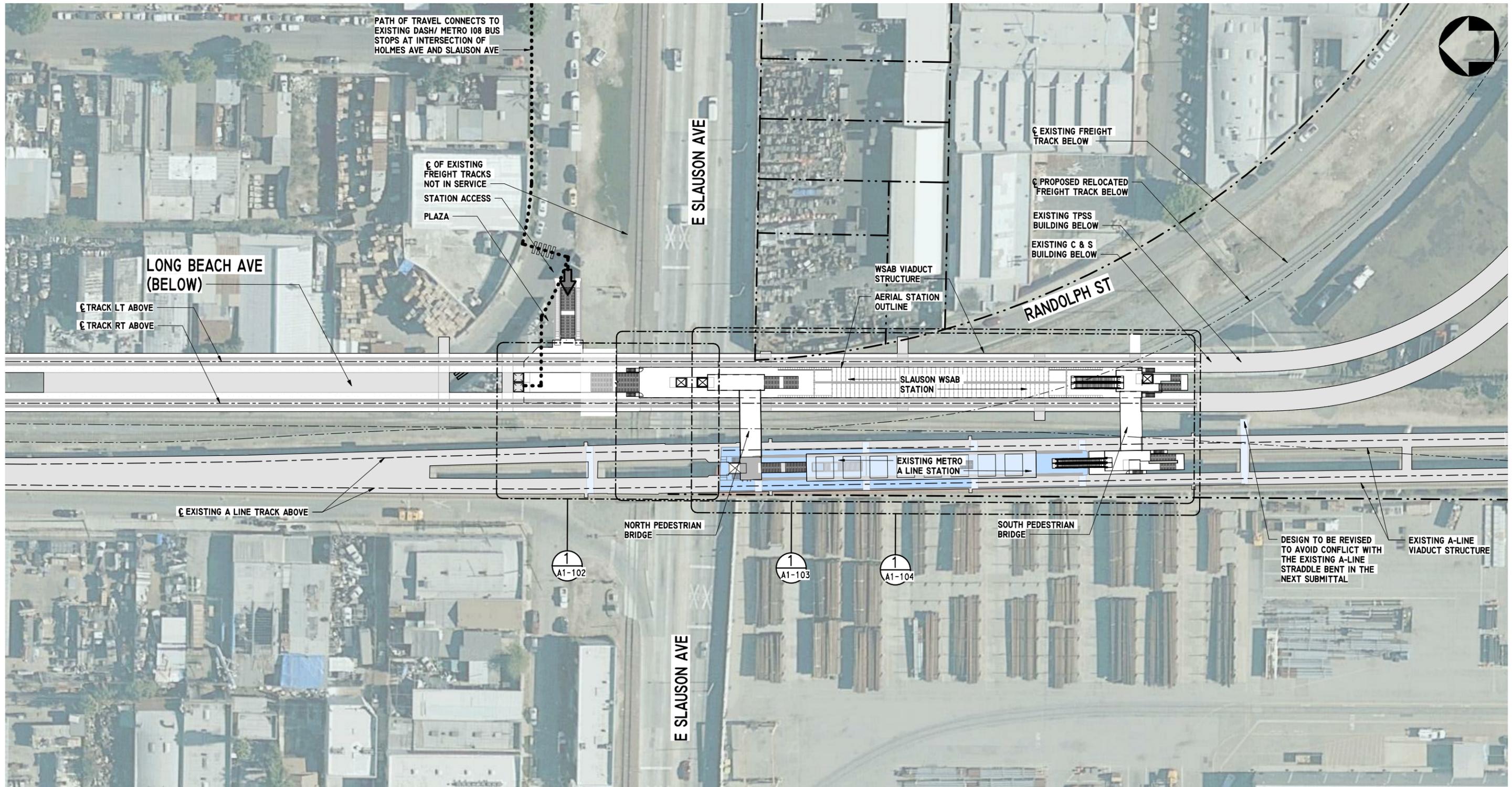
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT ARCHITECTURAL STATIONS**

**INDEX OF DRAWINGS & GENERAL NOTES**

CONTRACT NO		AE5999300	
DRAWING NO	A0-002	REV	
SCALE			
SHEET NO		2 OF 37	

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PATH OF TRAVEL CONNECTS TO EXISTING DASH/ METRO 108 BUS STOPS AT INTERSECTION OF HOLMES AVE AND SLAUSON AVE

☐ OF EXISTING FREIGHT TRACKS NOT IN SERVICE  
STATION ACCESS  
PLAZA

LONG BEACH AVE (BELOW)

☐ TRACK LT ABOVE  
☐ TRACK RT ABOVE

☐ EXISTING FREIGHT TRACK BELOW

☐ PROPOSED RELOCATED FREIGHT TRACK BELOW

EXISTING TPSS BUILDING BELOW

EXISTING C & S BUILDING BELOW

WSAB VIADUCT STRUCTURE

AERIAL STATION OUTLINE

RANDOLPH ST

SLAUSON WSAB STATION

EXISTING METRO A LINE STATION

☐ EXISTING A LINE TRACK ABOVE

NORTH PEDESTRIAN BRIDGE

SOUTH PEDESTRIAN BRIDGE

DESIGN TO BE REVISED TO AVOID CONFLICT WITH THE EXISTING A-LINE STRADDLE BENT IN THE NEXT SUBMITTAL

EXISTING A-LINE VIADUCT STRUCTURE

1  
A1-102

1  
A1-103

1  
A1-104

E SLAUSON AVE

**SITE PLAN**

1" = 40'-0"

1

A1-001

**LEGEND:**

- ACCESSIBLE PATH OF TRAVEL TO STATION ACCESS
- PROPERTY LINE
- ☐ EXISTING A LINE STATION

**NOTES:**

1. STATION PARKING NOT PROVIDED.
2. EXACT LOCATION OF EXISTING METRO A LINE STATION TO BE VERIFIED AND CONFIRMED IN THE ENGINEERING PHASE.



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REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
I	11/16/23						FINAL STATION DRAWINGS

DESIGNED BY G. LONTOK
DRAWN BY C. HA
CHECKED BY J. HUANG
IN CHARGE R. LOYA
DATE 11/16/23

**Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

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

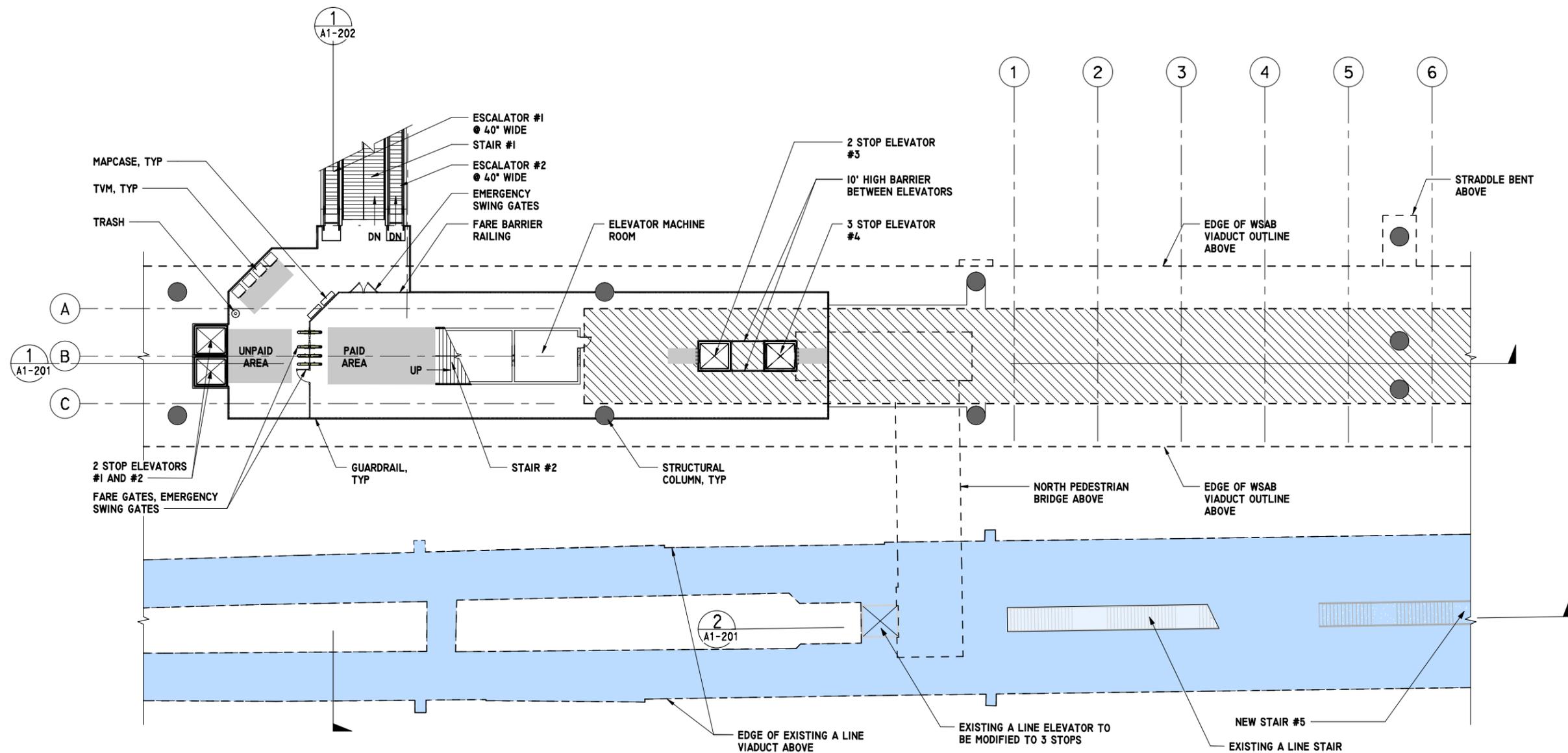
SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT ARCHITECTURAL SLAUSON/A LINE STATION SITE PLAN AERIAL STATION**

CONTRACT NO. AE5999300  
DRAWING NO. A1-001  
SCALE: As indicated  
SHEET NO. 3 OF 37

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**MEZZANINE LEVEL**

1/16" = 1'-0"

1  
A1-102

**LEGEND:**

- QUEUING AREA PER MRDC TABLE 6.3
- EXISTING A LINE STATION
- EXTENT OF SLAUSON STATION PLATFORM OVERHEAD

**NOTE:**

A MODIFIED 4-DEVICE OF ESCALATORS #3 & #4 / STAIR #2 BETWEEN THE MEZZANINE AND PLATFORM LEVELS IS USED. THE WIDTH OF STAIR #2 IS LESS THAN THE MRDC REQUIREMENT DUE TO THE PLATFORM WIDTH LIMITATIONS.



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I	11/16/23						FINAL STATION DRAWINGS

DESIGNED BY  
G. LONTOK  
DRAWN BY  
C. HA  
CHECKED BY  
J. HUANG  
IN CHARGE  
R. LOYA  
DATE  
11/16/23

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

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

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT ARCHITECTURAL SLAUSON/A LINE STATION MEZZANINE LEVEL PLAN AERIAL STATION**

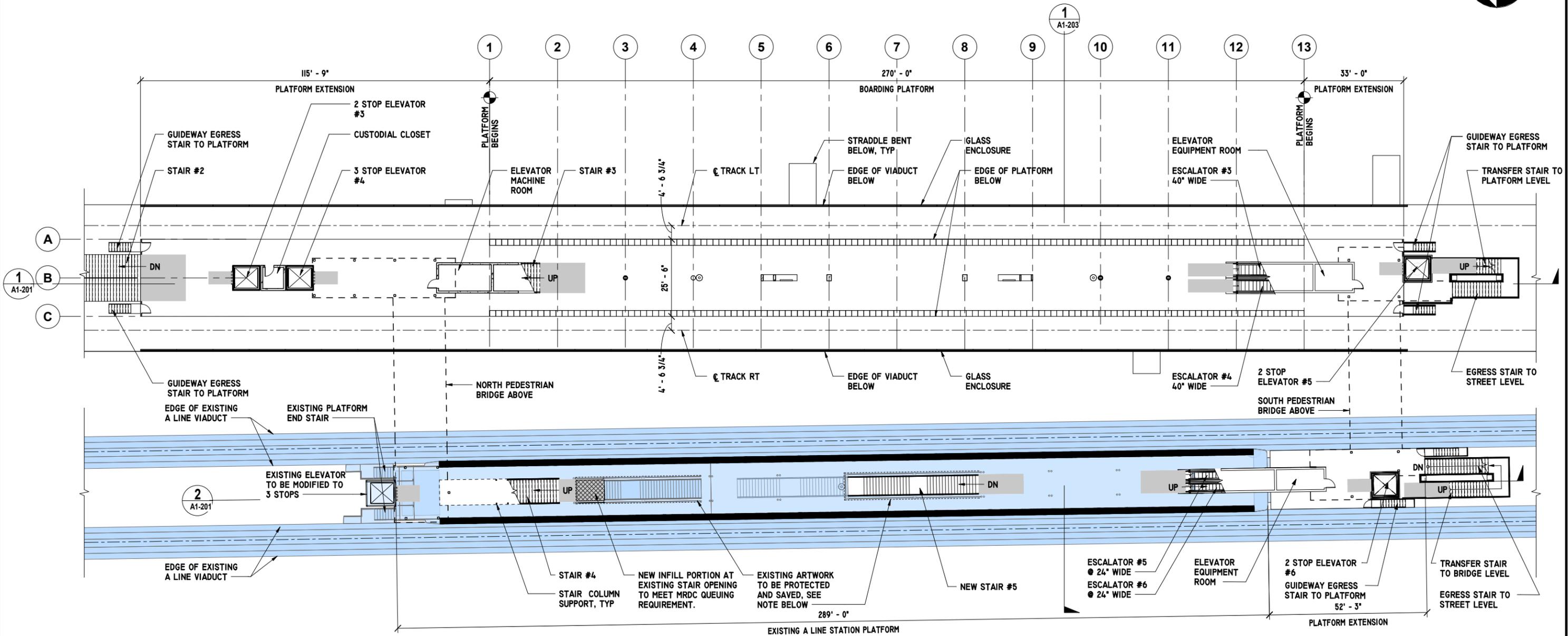
CONTRACT NO  
**AE5999300**

DRAWING NO  
**A1-102**

SCALE  
As indicated

SHEET NO  
5 OF 37

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**PLATFORM LEVEL**

1/16" = 1'-0"

1  
A1-103

**LEGEND:**

-  QUEUING AREA PER MRDC TABLE 6.3
-  EXISTING A LINE STATION
-  INFILL PORTION

**NOTE:**

PROTECT AND SAVE EXISTING A LINE ARTWORK ALONG RAILINGS DURING RECONSTRUCTION WORK OF STATION. NEW LOCATION OF EXISTING A LINE ARTWORK TO BE PROVIDED AND COORDINATED WITH METRO ART IN NEXT PE PHASE.



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DESIGNED BY	G. LONTOK	DATE	03/17/23	DESCRIPTION	FINAL STATION DRAWINGS	SEAL HOLDER
DRAWN BY	C. HA	REV				
CHECKED BY	J. HUANG					
IN CHARGE	R. LOYA					
DATE	03/17/23					

DESIGNED BY	G. LONTOK
DRAWN BY	C. HA
CHECKED BY	J. HUANG
IN CHARGE	R. LOYA
DATE	03/17/23

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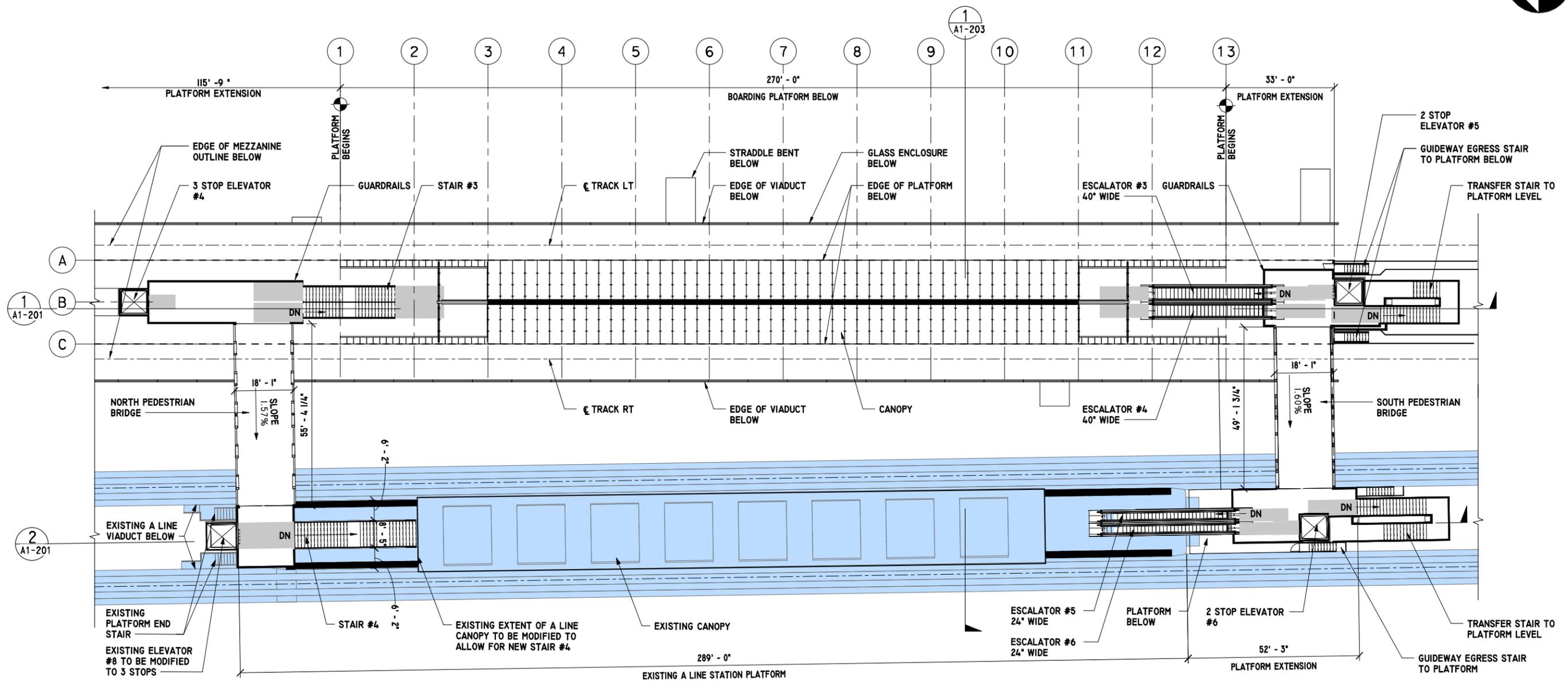
LOS ANGELES COUNTY  
 METROPOLITAN TRANSPORTATION AUTHORITY

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

WEST SANTA ANA BRANCH LRT  
 ARCHITECTURAL  
 SLAUSON/A LINE STATION  
 PLATFORM LEVEL PLAN  
 AERIAL STATION

CONTRACT NO.	AE5999300
DRAWING NO.	A1-103
SCALE	As indicated
SHEET NO.	6 OF 37

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BRIDGE LEVEL  
1/16" = 1'-0"

1  
A1-104

**LEGEND:**

- QUEUING AREA PER MRDC TABLE 6.3
- EXISTING A LINE STATION



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I	11/16/23						FINAL STATION DRAWINGS

DESIGNED BY  
G. LONTOK  
DRAWN BY  
C. HA  
CHECKED BY  
J. HUANG  
IN CHARGE  
R. LOYA  
DATE  
11/16/23

**M Metro**  
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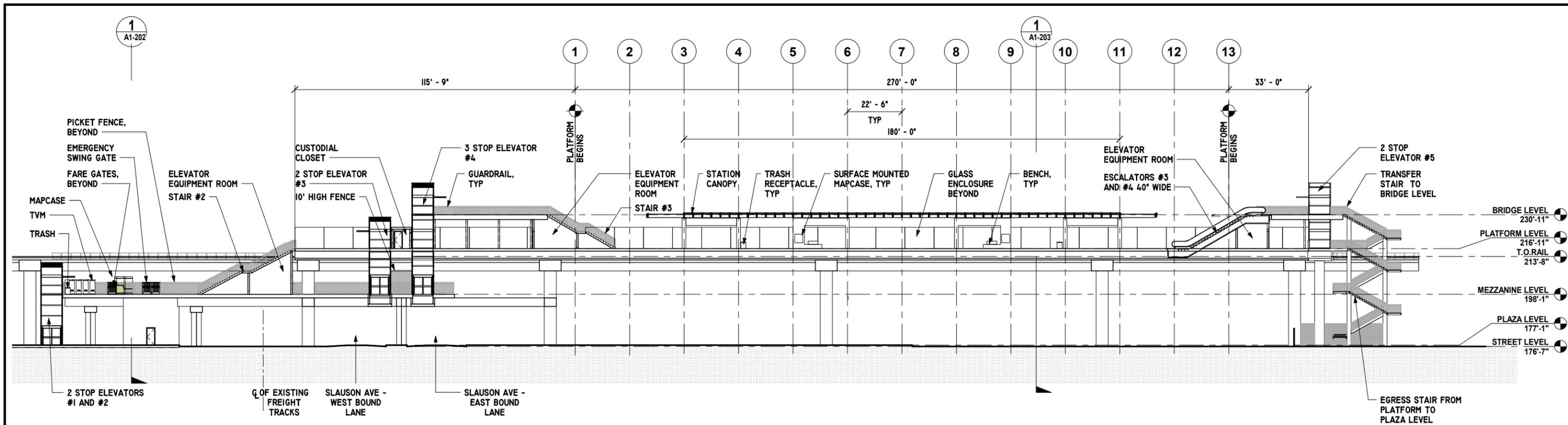
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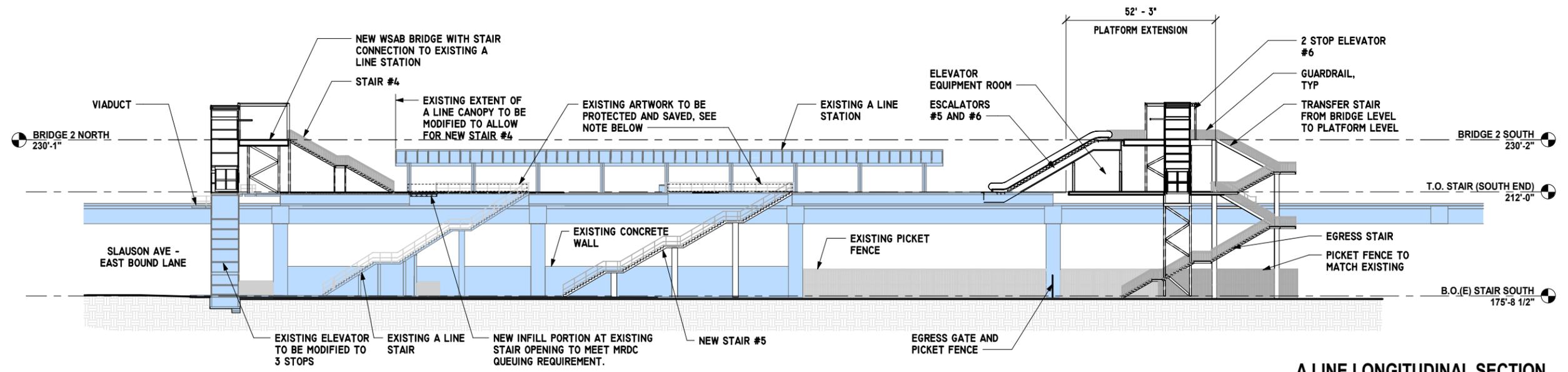
WEST SANTA ANA BRANCH LRT  
ARCHITECTURAL  
SLAUSON/A LINE STATION  
BRIDGE LEVEL PLAN  
AERIAL STATION

CONTRACT NO  
AE5999300  
DRAWING NO  
A1-104  
SCALE  
As indicated  
SHEET NO  
7 OF 37

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**LONGITUDINAL SECTION 1**  
1" = 20'-0"



**A LINE LONGITUDINAL SECTION 2**  
1" = 20'-0"

**LEGEND:**

- EXISTING A LINE STATION
- INFILL PORTION

**NOTE:**

PROTECT AND SAVE EXISTING A LINE ARTWORK ALONG RAILINGS DURING RECONSTRUCTION WORK OF STATION. NEW LOCATION OF EXISTING A LINE ARTWORK TO BE PROVIDED AND COORDINATED WITH METRO ART IN NEXT PE PHASE.

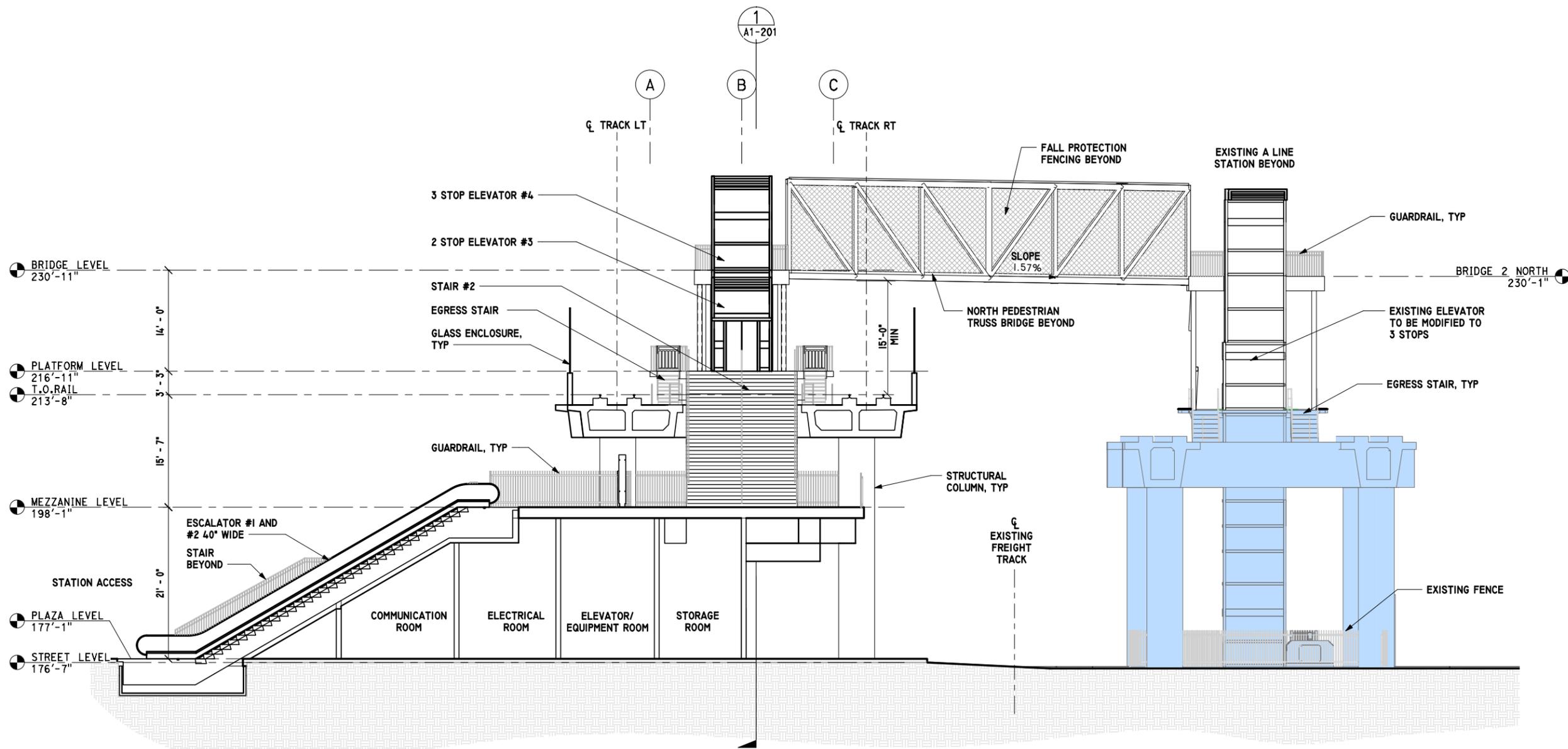


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REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION																

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TRANSVERSE SECTION 1  
 1/8" = 1'-0"

**LEGEND:**  
 [Blue shaded area] EXISTING A LINE STATION



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REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
I	11/16/23						FINAL STATION DRAWINGS

DESIGNED BY  
G. LONTOK  
 DRAWN BY  
C. HA  
 CHECKED BY  
J. HUANG  
 IN CHARGE  
R. LOYA  
 DATE  
11/16/23

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

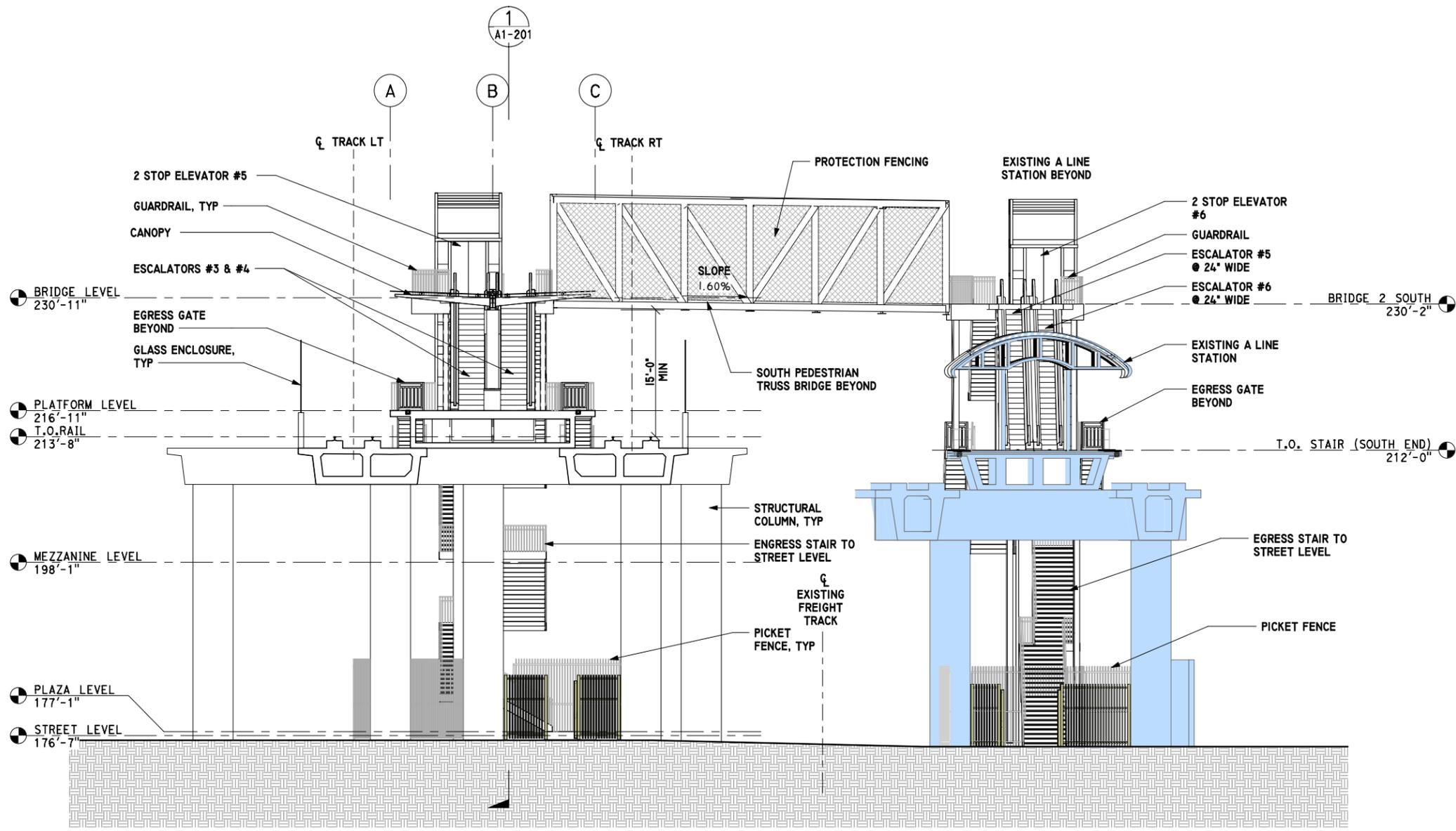
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 TEL (213) 362-9470

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

**WEST SANTA ANA BRANCH LRT ARCHITECTURAL SLAUSON/A LINE STATION TRANSVERSE SECTION AERIAL STATION**

CONTRACT NO. AE5999300
DRAWING NO. A1-202
SCALE As indicated
SHEET NO. 9 OF 37

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TRANSVERSE SECTION 2  
1/8" = 1'-0"

**LEGEND:**

EXISTING A LINE STATION

**NOTE:**

THE NORTH END OF THE EXISTING A LINE CANOPY TO BE MODIFIED AS SHOWN TO CLEAR THE NEW WSAB AND A LINE CONNECTION BRIDGE AND STAIR.



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I	11/16/23						FINAL STATION DRAWINGS

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G. LONTOK  
DRAWN BY  
C. HA  
CHECKED BY  
J. HUANG  
IN CHARGE  
R. LOYA  
DATE  
11/16/23

**Metro**

LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY

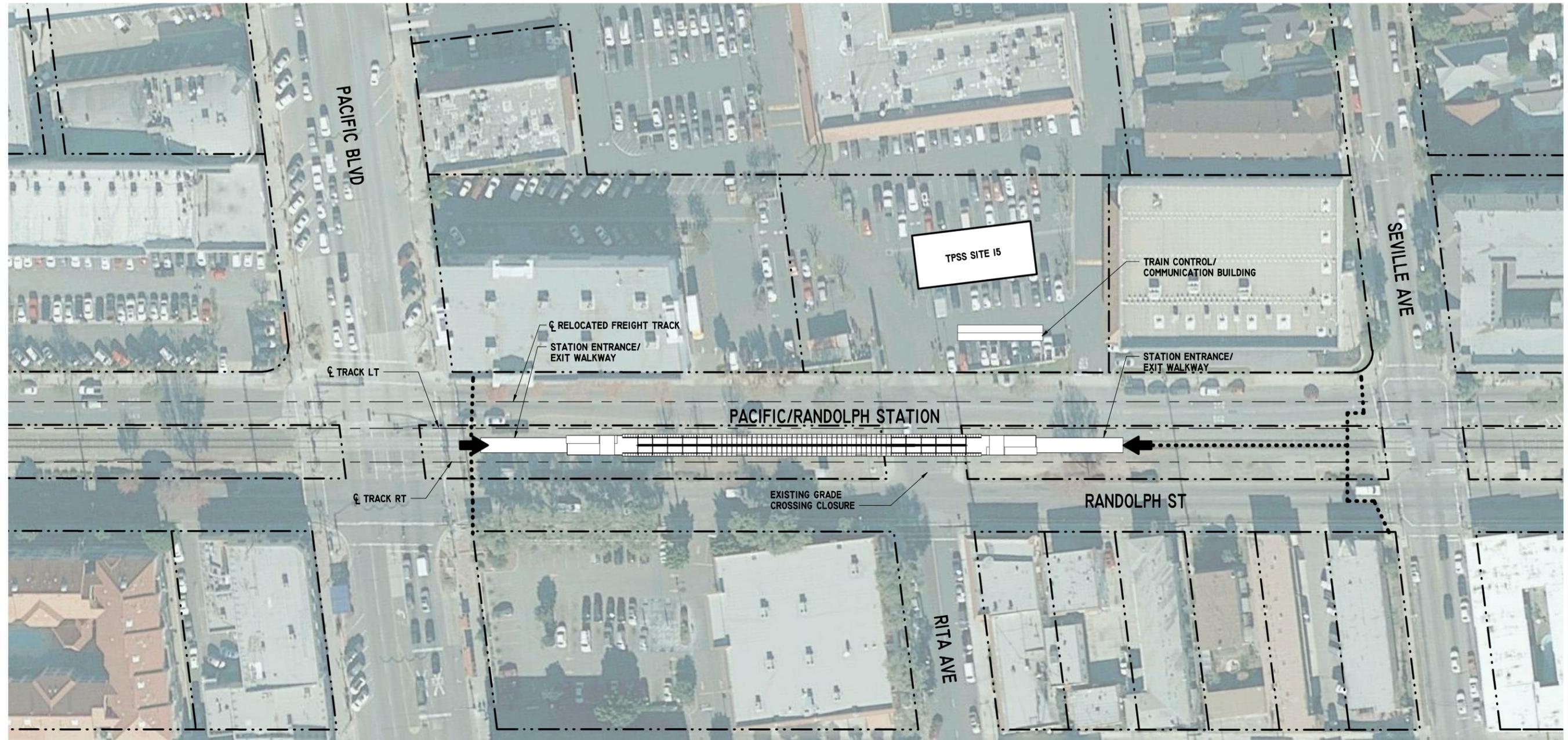
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APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
ARCHITECTURAL  
SLAUSON/A LINE STATION  
TRANSVERSE SECTION 2  
AERIAL STATION

CONTRACT NO.	AE5999300
DRAWING NO.	A1-203
SCALE	As indicated
SHEET NO.	10 OF 37

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**SITE PLAN**  
1" = 40'-0"

1  
A2-001

**LEGEND:**

- ACCESSIBLE PATH OF TRAVEL TO STATION ACCESS
- - - - PROPERTY LINE

**NOTE:**

I - STATION PARKING NOT PROVIDED



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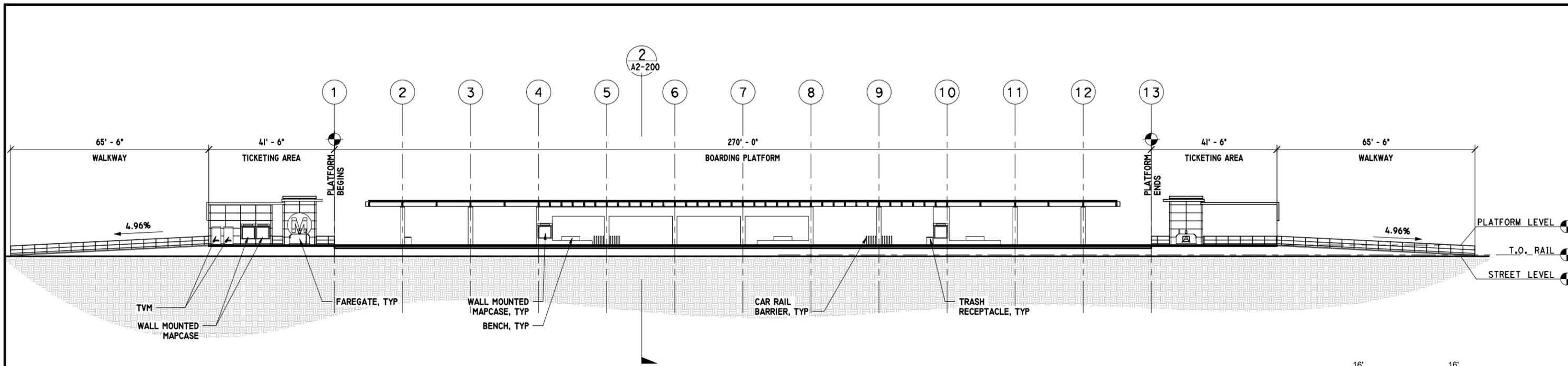
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT ARCHITECTURAL**  
**PACIFIC/RANDOLPH STATION**  
**STATION SITE PLAN**  
**AT-GRADE STATION**

CONTRACT NO. AE5999300
DRAWING NO. A2-001
SCALE 1" = 40'-0"
SHEET NO. 11 OF 37

This document is 11" when printed on a 22" x 34" sheet, it is 1/2 on 11" x 17" sheet

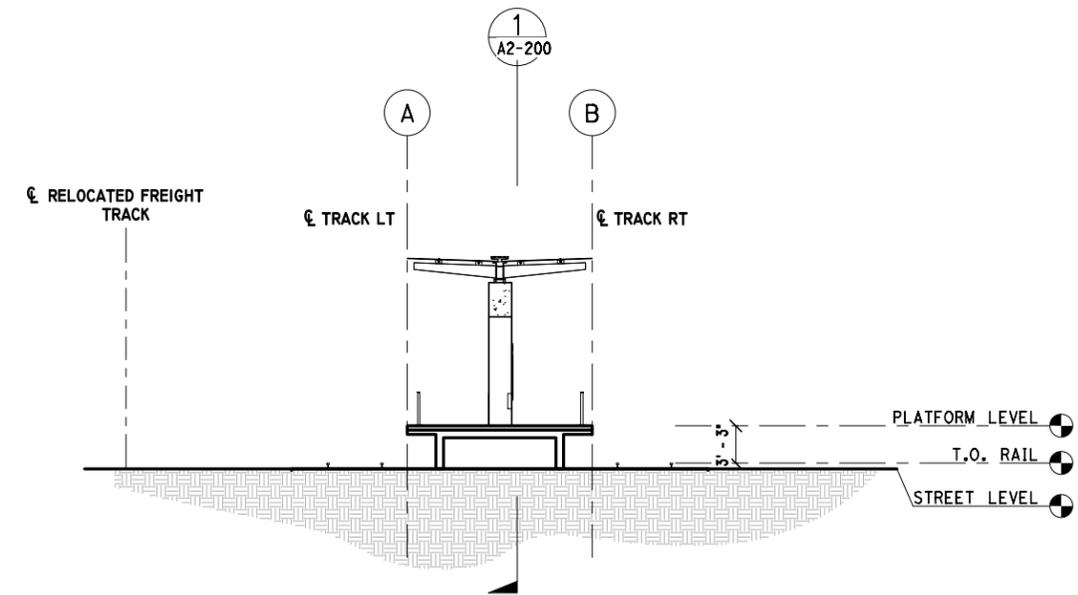
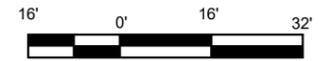




LONGITUDINAL SECTION

1/16" = 1'-0"

1  
A2-200



TRANSVERSE SECTION

1/8" = 1'-0"

2  
A2-200



FINAL ADVANCED CONCEPTUAL STATIONS DESIGN

NOT FOR CONSTRUCTION

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA). UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER
	3/17/23					
						FINAL STATION DRAWINGS

DESIGNED BY G. LONTOK
DRAWN BY C. HA
CHECKED BY J. HUANG
IN CHARGE R. LOYA
DATE 3/17/2023

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

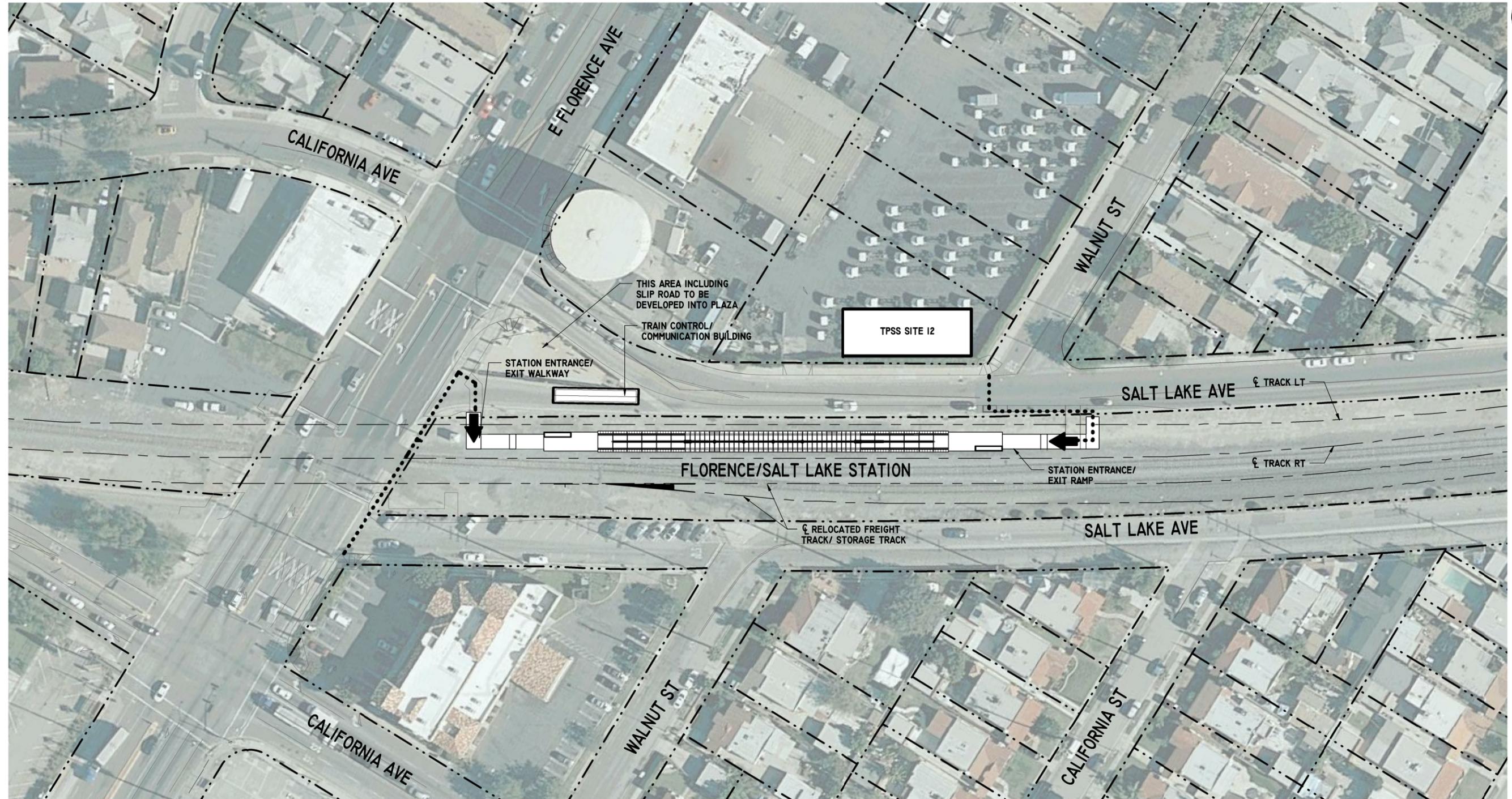
**wsp** 515 Figueroa Street Suite 1400 Los Angeles, CA 90071 TEL (213) 362-9470

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

WEST SANTA ANA BRANCH LRT ARCHITECTURAL PACIFIC/RANDOLPH STATION SECTIONS AT-GRADE STATION

CONTRACT NO. AE5999300
DRAWING NO. A2-200
SCALE AS INDICATED
SHEET NO. 13 OF 37

This document is 1:1 when printed on a 22" x 34" sheet, it is 1:2 on 11" x 17" sheet



**SITE PLAN**  
1" = 40'-0"

1  
A3-001

**LEGEND:**  
 ●●●●● ACCESSIBLE PATH OF TRAVEL TO STATION ACCESS  
 - - - - - PROPERTY LINE

**NOTE:**  
 I - STATION PARKING NOT PROVIDED



**FINAL ADVANCED CONCEPTUAL STATIONS DESIGN**

**NOT FOR CONSTRUCTION**

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER
	3/17/23					
						FINAL STATION DRAWINGS

DESIGNED BY G. LONTOK
DRAWN BY C. HA
CHECKED BY J. HUANG
IN CHARGE R. LOYA
DATE 3/17/2023

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

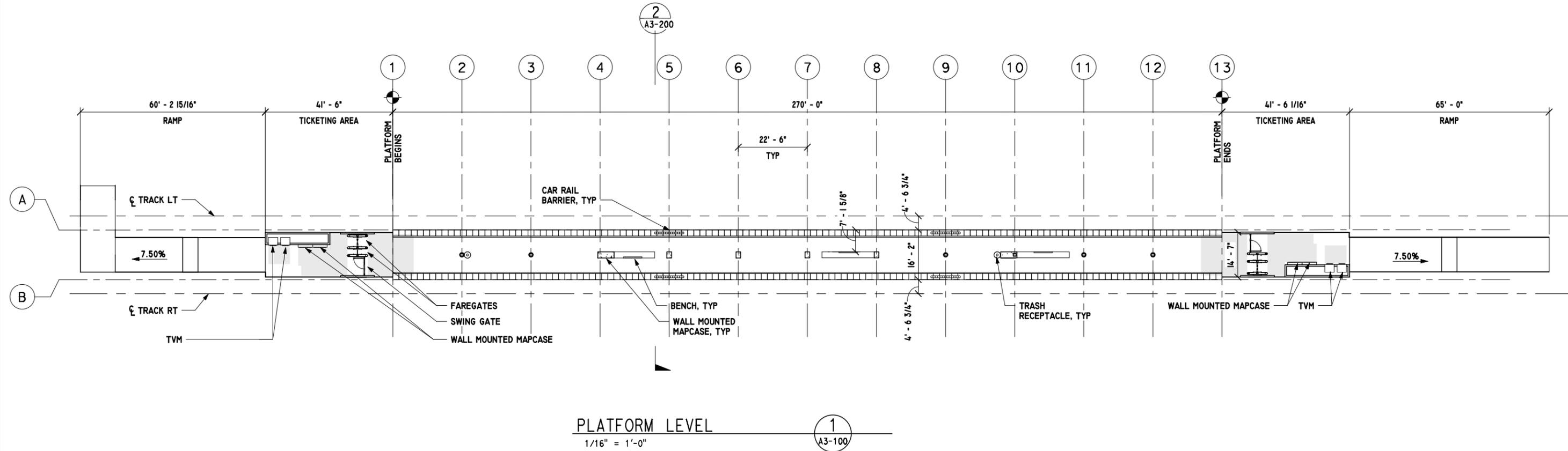
**wsp** 515 Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071  
 TEL (213) 362-9470

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

**WEST SANTA ANA BRANCH LRT**  
**ARCHITECTURAL**  
**FLORENCE/SALT LAKE STATION**  
**STATION SITE PLAN**  
**AT-GRADE STATION**

CONTRACT NO. AE5999300
DRAWING NO. A3-001
SCALE 1" = 40'-0"
SHEET NO. 14 OF 37

This document is 11" x 34" sheet, it is 1/2 on 11" x 17" sheet



PLATFORM LEVEL  
1/16" = 1'-0"



# FINAL ADVANCED CONCEPTUAL STATIONS DESIGN

**NOT FOR CONSTRUCTION**

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REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
	3/17/23						FINAL STATION DRAWINGS

DESIGNED BY  
G. LONTOK  
DRAWN BY  
C. HA  
CHECKED BY  
J. HUANG  
IN CHARGE  
R. LOYA  
DATE  
3/17/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

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

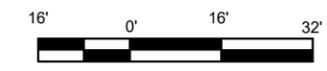
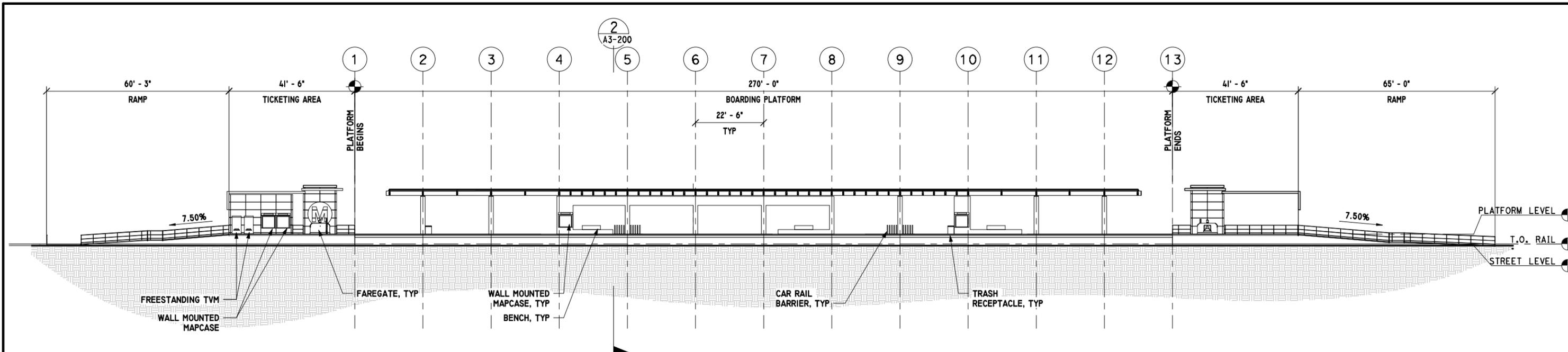
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

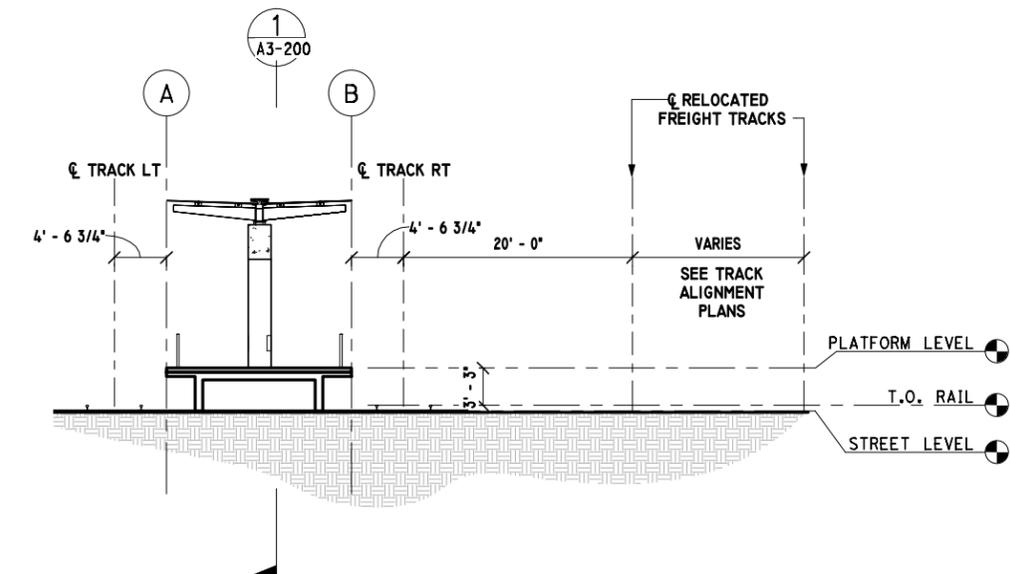
**WEST SANTA ANA BRANCH LRT ARCHITECTURAL FLORENCE/SALT LAKE STATION PLATFORM PLAN AT-GRADE STATION**

CONTRACT NO AE5999300	
DRAWING NO A3-100	REV
SCALE 1/16" = 1'-0"	
SHEET NO 15 OF 37	

This document is 1:1 when printed on a 22" x 34" sheet, it is 1:2 on 11" x 17" sheet



**LONGITUDINAL SECTION** 1  
 1/16" = 1'-0" A3-200



**TRANSVERSE SECTION** 2  
 1/8" = 1'-0" A3-200

**FINAL ADVANCED CONCEPTUAL STATIONS DESIGN**

**NOT FOR CONSTRUCTION**

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER
	3/17/23					
						FINAL STATION DRAWINGS
						DESCRIPTION

DESIGNED BY G. LONTOK
DRAWN BY C. HA
CHECKED BY J. HUANG
IN CHARGE R. LOYA
DATE 3/17/2023

**Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

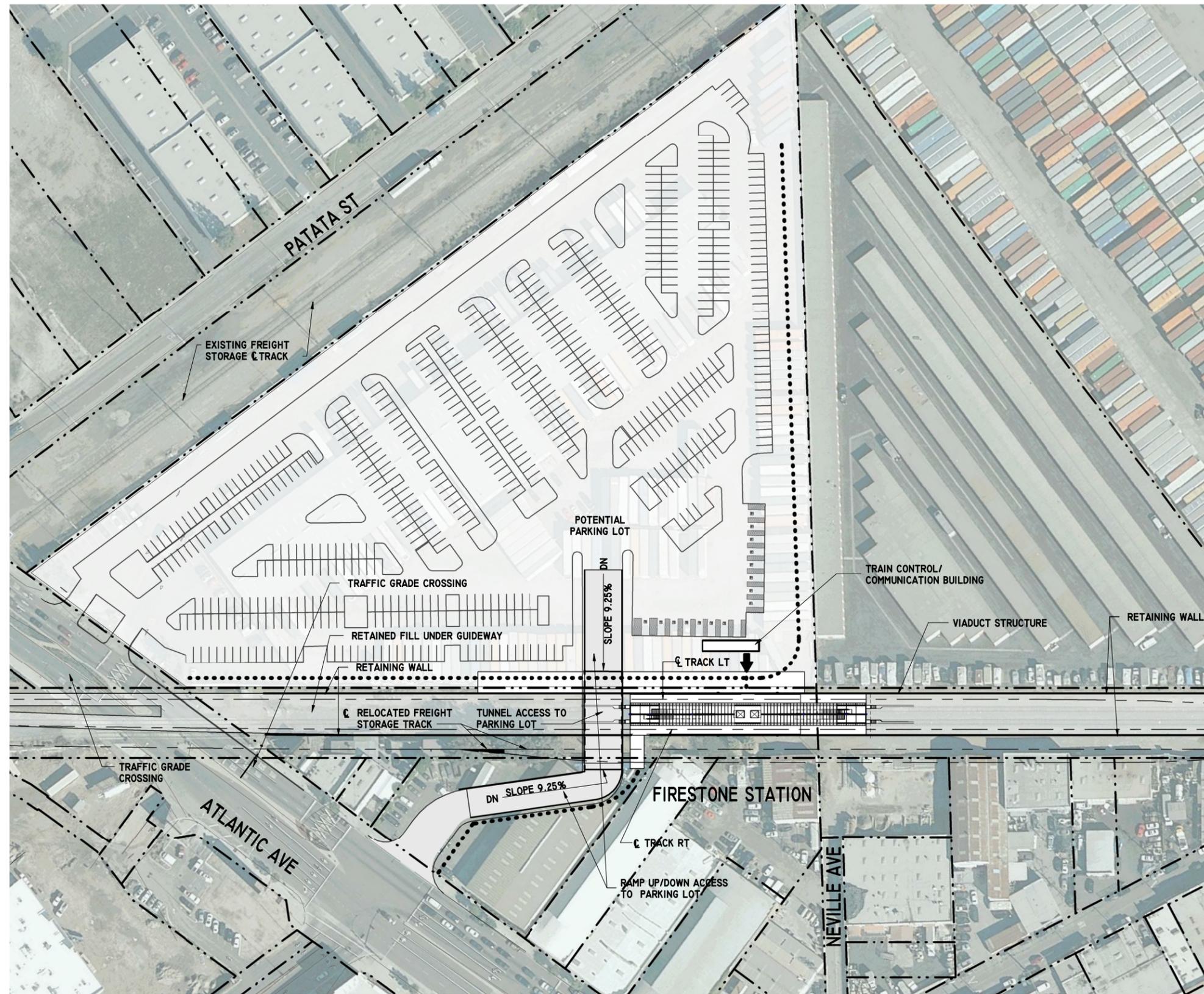
**wsp** 515 Figueroa Street Suite 1400 Los Angeles, CA 90071 TEL (213) 362-9470

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

**WEST SANTA ANA BRANCH LRT ARCHITECTURAL FLORENCE/SALT LAKE STATION SECTIONS AT-GRADE STATION**

CONTRACT NO. AE5999300
DRAWING NO. A3-200
SCALE AS INDICATED
SHEET NO. 16 OF 37

This document is 1:1 when printed on a 22" x 34" sheet, it is 1:2 on 11" x 17" sheet



**LEGEND:**

- ACCESSIBLE PATH OF TRAVEL TO STATION ACCESS
- - - - - PROPERTY LINE

**NOTE:**

- 1 - 614 POTENTIAL PARKING SPACES  
600 PARKING SPACES  
12 ADA PARKING SPACES  
2 VAN PARKING SPACES
- 2 - PARKING LOT CAN BE UTILIZED AS A FUTURE POTENTIAL JOINT DEVELOPMENT SITE.



**SITE PLAN**  
1/64" = 1'-0"  
①  
A4-001

**DRAFT ADVANCED CONCEPTUAL STATIONS DESIGN**

**NOT FOR CONSTRUCTION**

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

REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
							REVISED MAY 2022

DESIGNED BY  
G. LONTOK  
DRAWN BY  
A. NAPOLES  
CHECKED BY  
J. HUANG  
IN CHARGE  
R. LOYA  
DATE  
12/12/2022

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

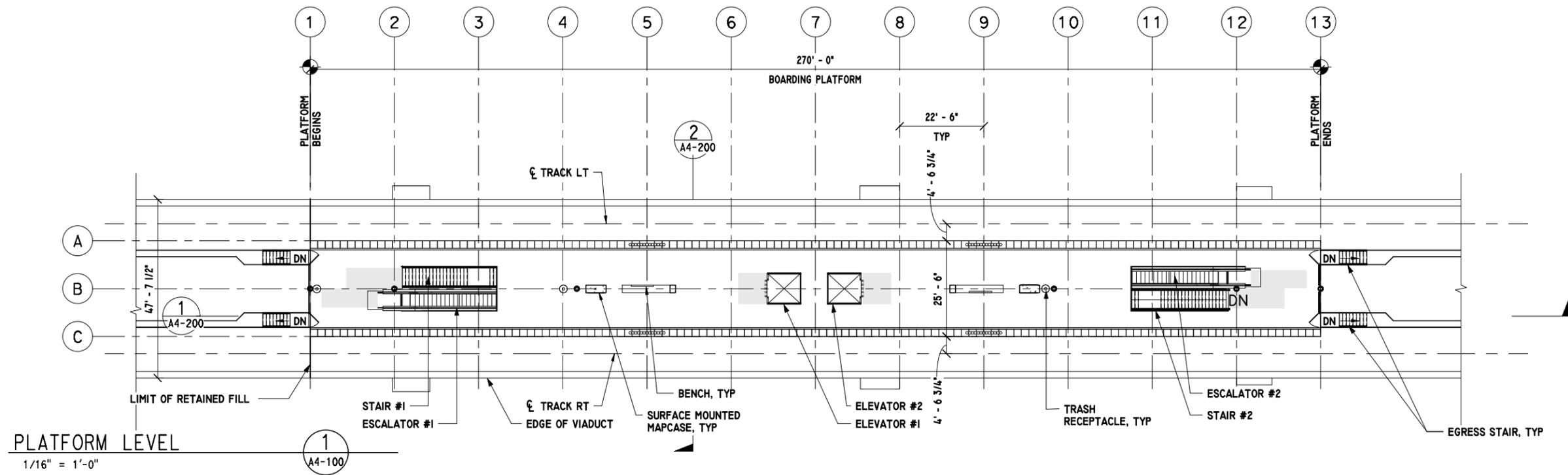
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

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

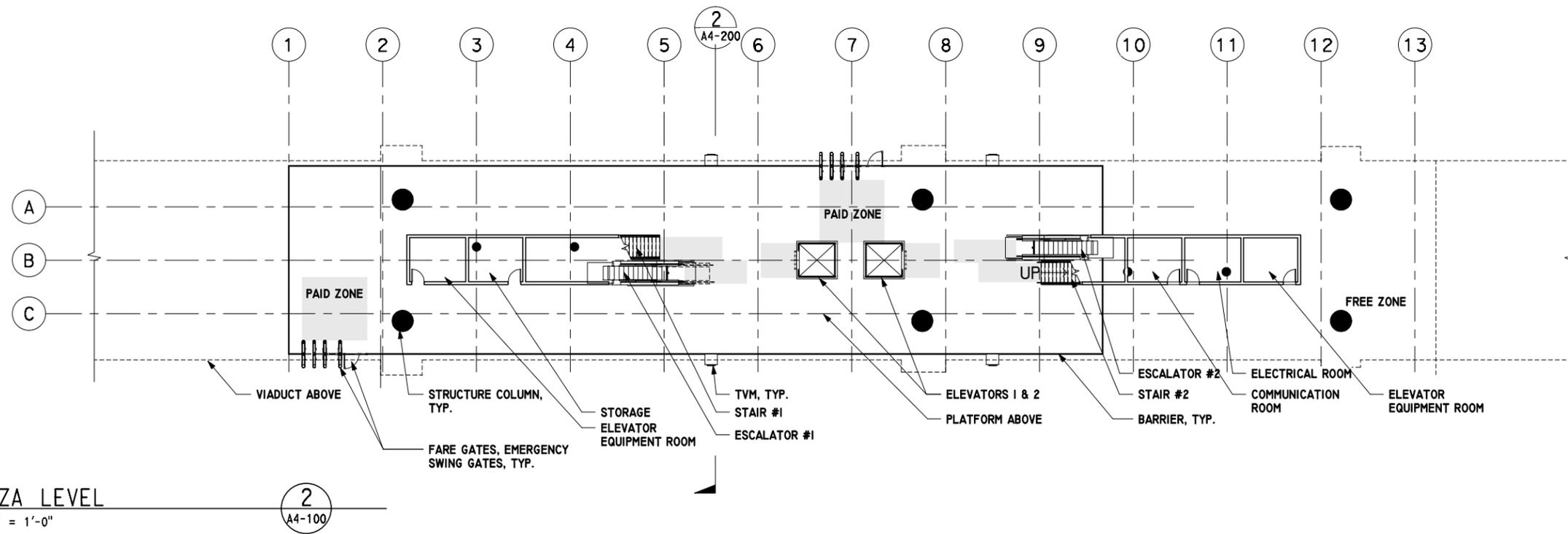
**WEST SANTA ANA BRANCH PROJECT**  
**ARCHITECTURAL**  
**FIRESTONE STATION**  
**STATION SITE PLAN**  
**AERIAL STATION**

CONTRACT NO. AE5999300
DRAWING NO. A4-001
SCALE 1/64" = 1'-0"
SHEET NO. 17 OF 37

This document is 1:1 when printed on a 22" x 34" sheet, it is 1:2 on 11" x 17" sheet



PLATFORM LEVEL  
1/16" = 1'-0"



PLAZA LEVEL  
1/16" = 1'-0"



# FINAL ADVANCED CONCEPTUAL STATIONS DESIGN

**NOT FOR CONSTRUCTION**

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

REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
	3/17/23						FINAL STATION DRAWINGS

DESIGNED BY  
G. LONTOK  
DRAWN BY  
C. HA  
CHECKED BY  
J. HUANG  
IN CHARGE  
R. LOYA  
DATE  
3/17/2023

FINAL STATION DRAWINGS

LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY

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

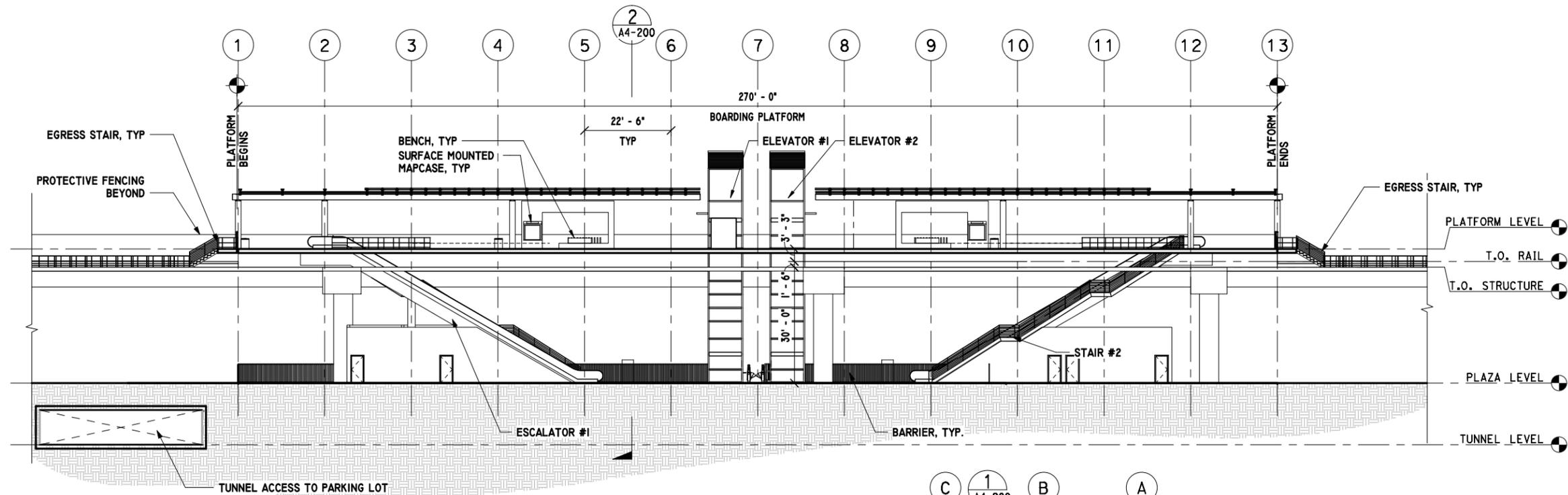
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH PROJECT  
ARCHITECTURAL  
FIRESTONE STATION  
PLANS  
AERIAL STATION

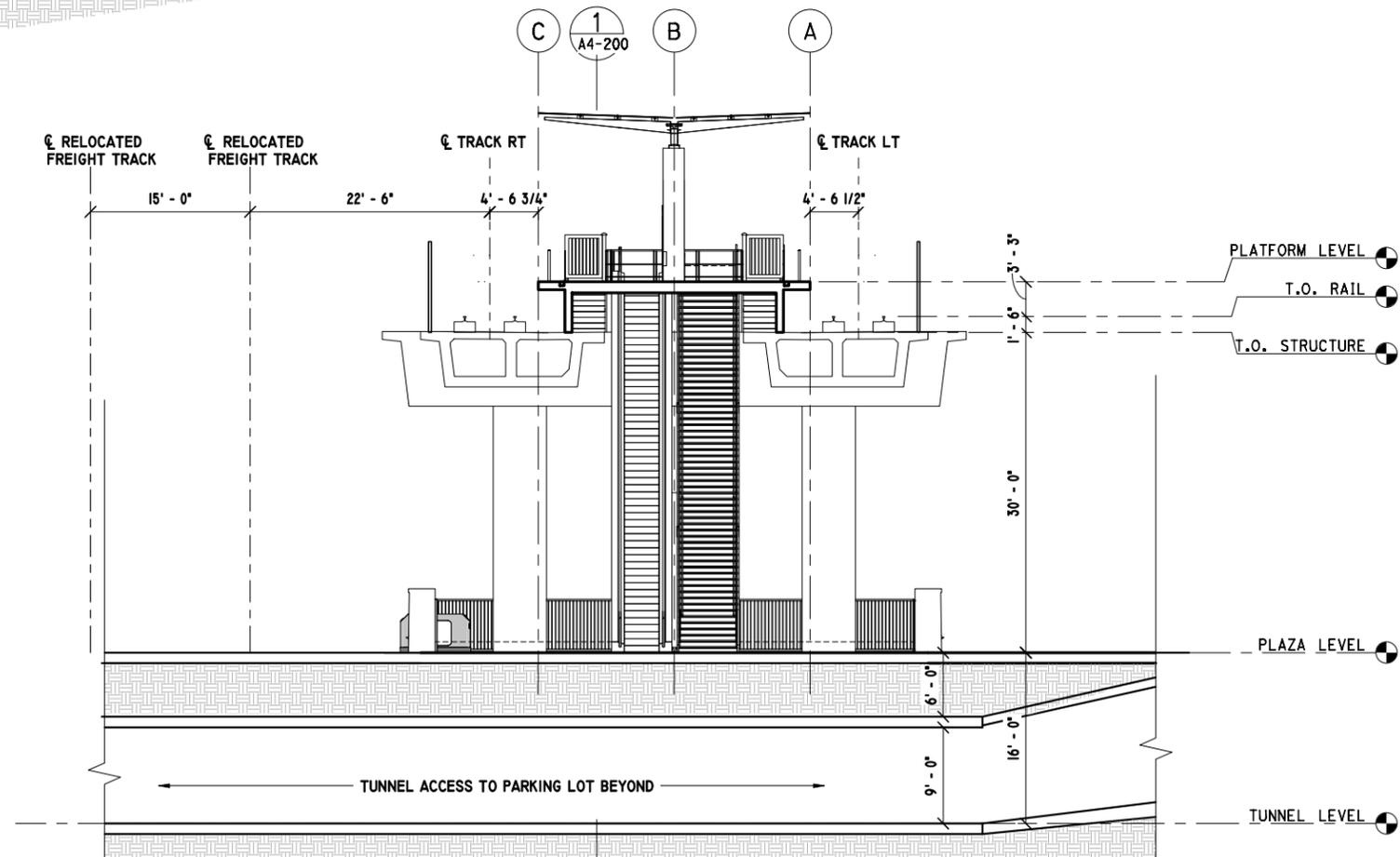
CONTRACT NO. AE5999300	
DRAWING NO. A4-100	REV
SCALE 1/16" = 1'-0"	
SHEET NO. 18 OF 37	

This document is 1:1 when printed on a 22" x 34" sheet, it is 1:2 on 11" x 17" sheet



LONGITUDINAL SECTION  
1/16" = 1'-0"

1  
A4-200



TRANSVERSE SECTION  
1/8" = 1'-0"

2  
A4-200



FINAL ADVANCED CONCEPTUAL STATIONS DESIGN

NOT FOR CONSTRUCTION

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

REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
	3/17/23						FINAL STATION DRAWINGS

DESIGNED BY G. LONTOK
DRAWN BY C. HA
CHECKED BY J. HUANG
IN CHARGE R. LOYA
DATE 3/17/2023

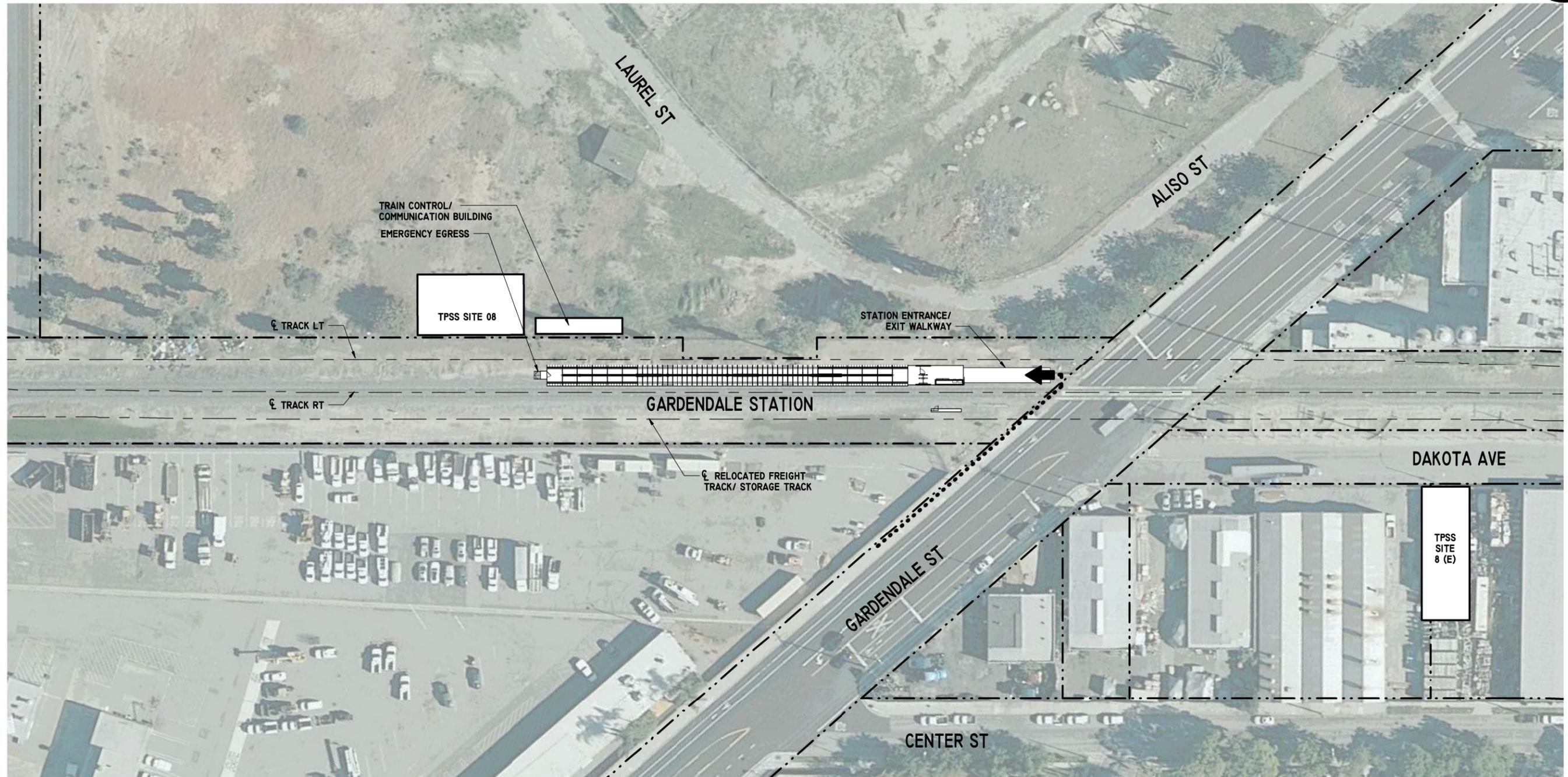
**M Metro**  
515 Figueroa Street  
Suite 1400  
Los Angeles, CA 90071  
TEL (213) 362-9470

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

WEST SANTA ANA BRANCH PROJECT  
ARCHITECTURAL  
FIRESTONE STATION  
SECTIONS  
AERIAL STATION

CONTRACT NO. AE5999300  
DRAWING NO. A4-200  
SCALE AS INDICATED  
SHEET NO. 19 OF 37

This document is 1:1 when printed on a 22" x 34" sheet, it is 1/2 on 11" x 17" sheet



**SITE PLAN**  
1" = 40'-0"

1  
A5-001

**LEGEND:**

- ACCESSIBLE PATH OF TRAVEL TO STATION ACCESS
- - - - - PROPERTY LINE

**NOTE:**

I - STATION PARKING NOT PROVIDED



**FINAL ADVANCED CONCEPTUAL STATIONS DESIGN**

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

REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
	3/17/23						FINAL STATION DRAWINGS

DESIGNED BY G. LONTOK
DRAWN BY C. HA
CHECKED BY J. HUANG
IN CHARGE R. LOYA
DATE 3/17/2023



LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY

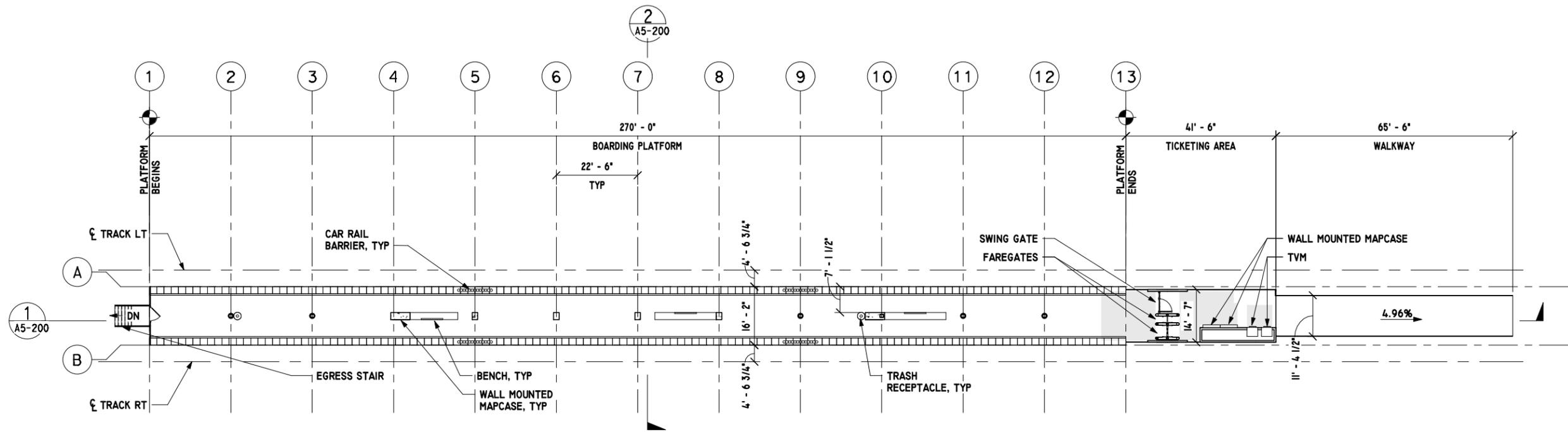


515 Figueroa Street  
Suite 1400  
Los Angeles, CA 90071  
TEL (213) 362-9470

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

WEST SANTA ANA BRANCH LRT  
ARCHITECTURAL  
GARDENDALE STATION  
STATION SITE PLAN  
AT-GRADE STATION

CONTRACT NO. AE5999300
DRAWING NO. A5-001
SCALE 1" = 40'-0"
SHEET NO. 20 OF 37



PLATFORM PLAN  
1/16" = 1'-0"



**FINAL ADVANCED CONCEPTUAL STATIONS DESIGN**

**NOT FOR CONSTRUCTION**

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REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
	3/17/23						FINAL STATION DRAWINGS

DESIGNED BY  
G. LONTOK  
DRAWN BY  
C. HA  
CHECKED BY  
J. HUANG  
IN CHARGE  
R. LOYA  
DATE  
3/17/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

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

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT ARCHITECTURAL GARDENDALE STATION PLATFORM PLAN AT-GRADE STATION**

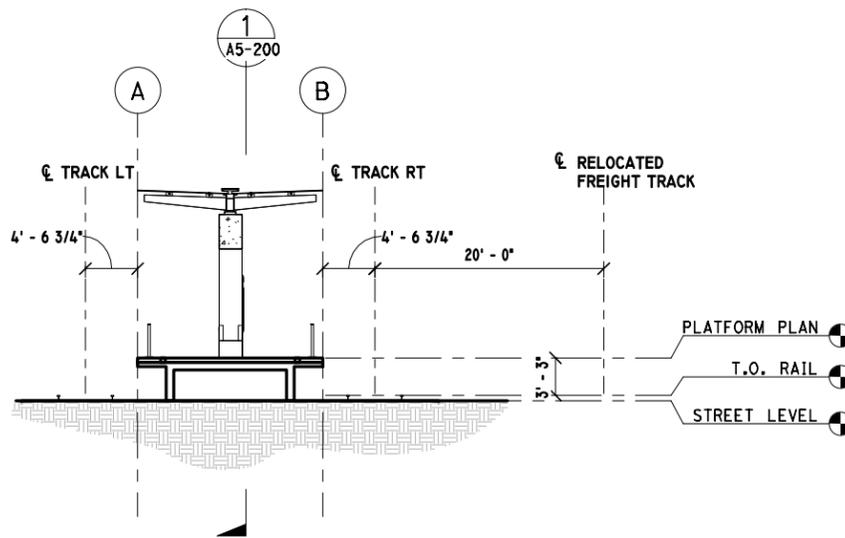
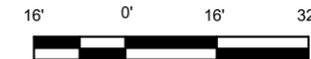
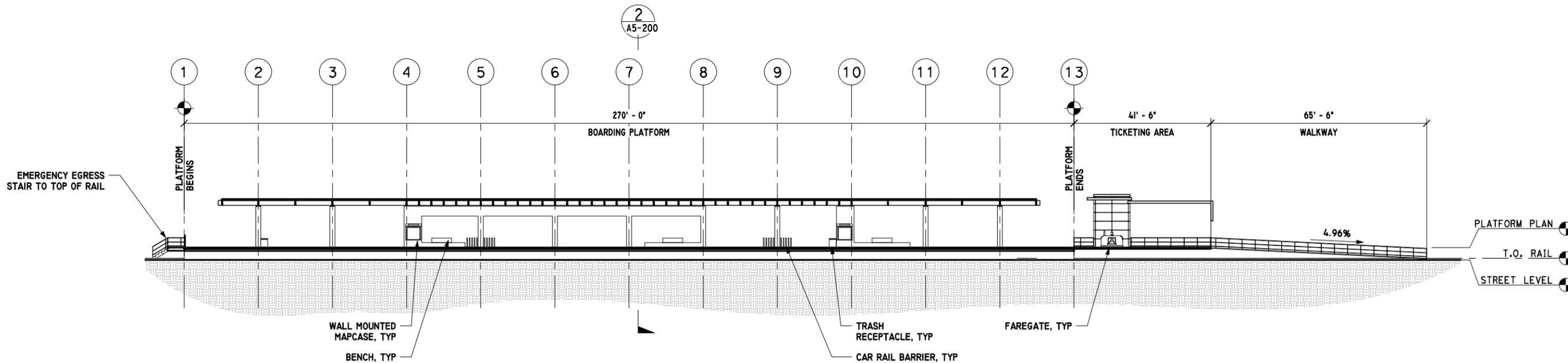
CONTRACT NO AE5999300	
DRAWING NO A5-100	REV
SCALE 1/16" = 1'-0"	
SHEET NO 21 OF 37	

This document is 1:1 when printed on a 22" x 34" sheet, it is 1:2 on 11" x 17" sheet

LONGITUDINAL SECTION

1/16" = 1'-0"

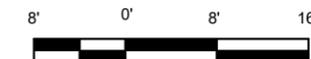
1  
A5-200



TRANSVERSE SECTION

1/8" = 1'-0"

2  
A5-200



FINAL ADVANCED CONCEPTUAL STATIONS DESIGN

NOT FOR CONSTRUCTION

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

REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
	3/17/23						FINAL STATION DRAWINGS

DESIGNED BY  
G. LONTOK  
DRAWN BY  
C. HA  
CHECKED BY  
J. HUANG  
IN CHARGE  
R. LOYA  
DATE  
3/17/2023



LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY

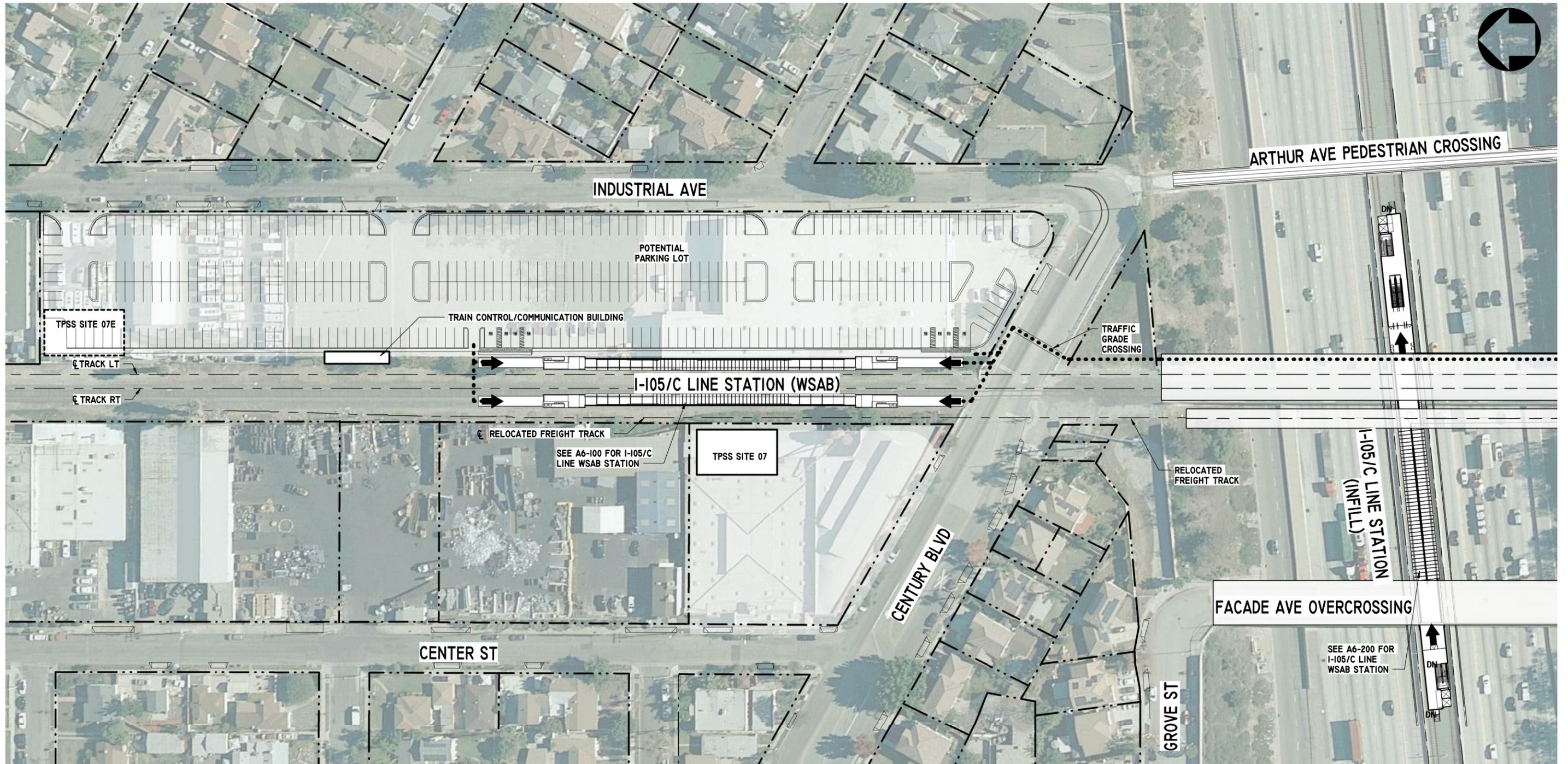


515 Figueroa Street  
Suite 1400  
Los Angeles, CA 90071  
TEL (213) 362-9470

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

WEST SANTA ANA BRANCH LRT  
ARCHITECTURAL  
GARDENDALE STATION  
SECTIONS  
AT-GRADE STATION

CONTRACT NO.	AE5999300
DRAWING NO.	A5-200
SCALE	AS INDICATED
SHEET NO.	22 OF 37



OVERALL SITE PLAN

1" = 50'-0"

1  
A6-001

LEGEND:

- ACCESSIBLE PATH OF TRAVEL TO STATION ACCESS
- - - - - PROPERTY LINE

NOTE:

- 1 - TPSS SITE 07 OPTION  
355 PARKING SPACES  
6 ADA PARKING SPACES  
2 VAN PARKING SPACES  
363 TOTAL PARKING SPACES
- 2 - TPSS SITE 07E OPTION  
331 PARKING SPACES  
6 ADA PARKING SPACES  
2 VAN PARKING SPACES  
339 TOTAL PARKING SPACES



FINAL ADVANCED CONCEPTUAL STATION DESIGN

NOT FOR CONSTRUCTION

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

REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
I	03/17/23						FINAL STATION DRAWINGS

DESIGNED BY  
G. LONTOK  
DRAWN BY  
C. HA  
CHECKED BY  
J. HUANG  
IN CHARGE  
R. LOYA  
DATE  
03/17/23



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



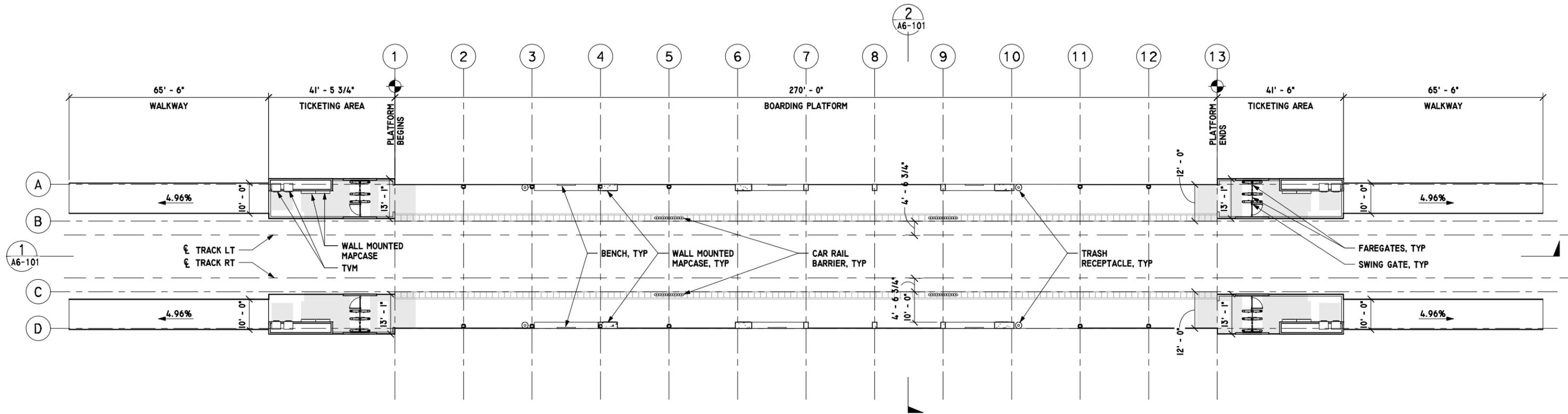
444 South Flower Street  
Suite 800  
Los Angeles, CA 90071  
TEL (213) 362-9470

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

WEST SANTA ANA BRANCH LRT  
ARCHITECTURAL  
I-105/C LINE STATION  
STATION SITE PLAN  
AT-GRADE STATION

CONTRACT NO.	AE5999300
DRAWING NO.	A6-001
SCALE	1" = 50'-0"
SHEET NO.	23 OF 37

This document is 1:1 when printed on a 22" x 34" sheet, it is 1:2 on 11" x 17" sheet.



I-105/C LINE WSAB  
STATION PLATFORM LEVEL

1/16" = 1'-0"

1  
A6-100

**LEGEND:**

QUEUING ZONE



**FINAL ADVANCED CONCEPTUAL STATIONS DESIGN**

**NOT FOR CONSTRUCTION**

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

REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
1	03/17/23						FINAL STATION DRAWINGS

DESIGNED BY  
G. LONTOK  
DRAWN BY  
C. HA  
CHECKED BY  
J. HUANG  
IN CHARGE  
R. LOYA  
DATE  
03/17/23



LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY



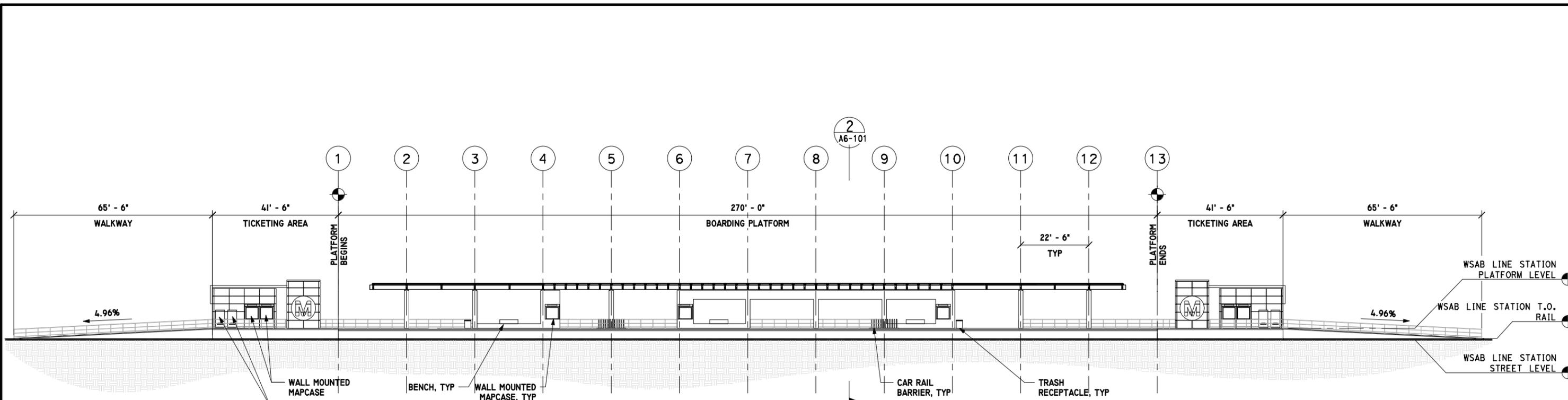
515 Figueroa Street  
Suite 1400  
Los Angeles, CA 90071  
TEL (213) 362-9470

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

WEST SANTA ANA BRANCH LRT  
ARCHITECTURAL  
I-105/C LINE STATION  
PLATFORM PLAN  
AT-GRADE STATION

CONTRACT NO AE5999300	
DRAWING NO A6-100	REV
SCALE 1/16" = 1'-0"	
SHEET NO 24 OF 37	

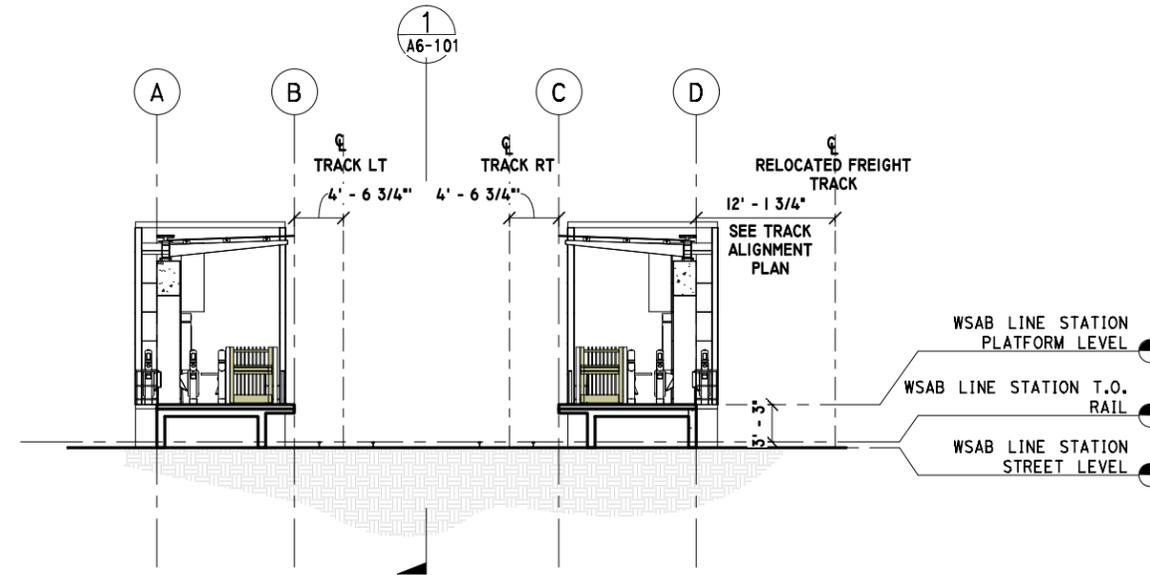
This document is 1:1 when printed on a 22" x 34" sheet; it is 1:2 on 11" x 17" sheet.



I-105/C LINE WSAB  
STATION LONGITUDINAL  
SECTION

1/16" = 1'-0"

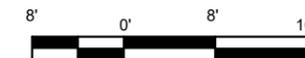
1  
A6-101



I-105/C LINE WSAB  
STATION TRANSVERSE  
SECTION

1/8" = 1'-0"

2  
A6-101



FINAL ADVANCED CONCEPTUAL STATIONS DESIGN

NOT FOR CONSTRUCTION

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

REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
I	03/17/23						FINAL STATION DRAWINGS

DESIGNED BY  
G. LONTOK  
DRAWN BY  
C. HA  
CHECKED BY  
J. HUANG  
IN CHARGE  
R. LOYA  
DATE  
03/17/23



LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY



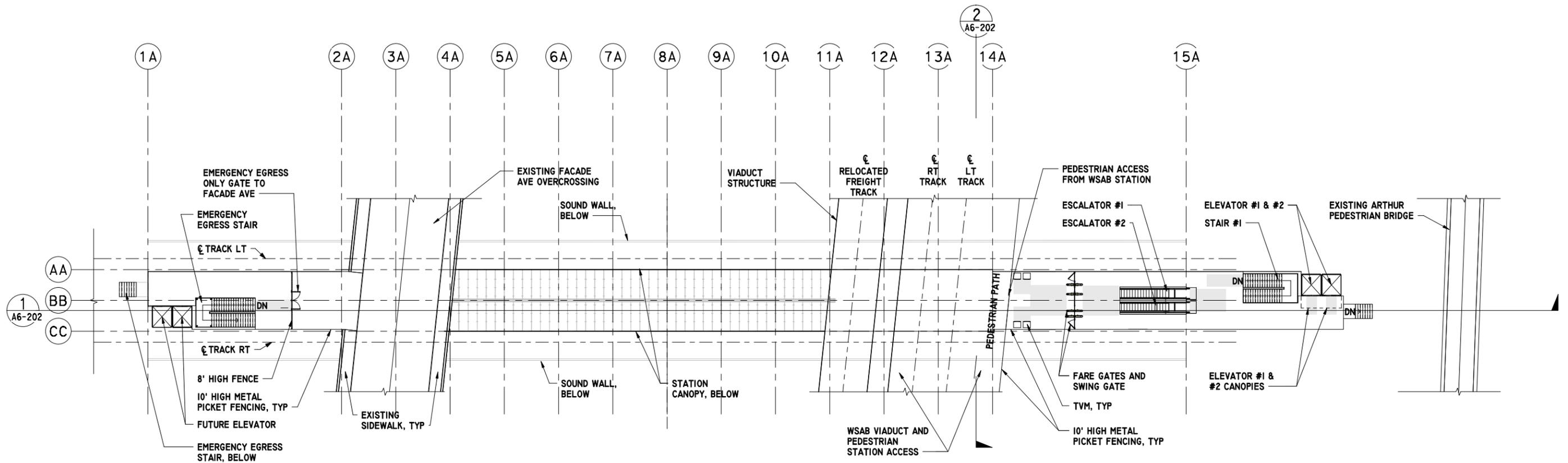
515 Figueroa Street  
Suite 1400  
Los Angeles, CA 90071  
TEL (213) 362-9470

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

WEST SANTA ANA BRANCH LRT  
ARCHITECTURAL  
I-105/C LINE STATION  
SECTIONS  
AT-GRADE STATION

CONTRACT NO.	AE5999300
DRAWING NO.	A6-101
SCALE	AS INDICATED
SHEET NO.	25 OF 37

This document is 1:1 when printed on a 22" x 34" sheet; it is 1:2 on 11" x 17" sheet.



BRIDGE LEVEL - PLAN  
3/64" = 1'-0"

1  
A6-200

**LEGEND:**

QUEUING ZONE

**NOTES:**

METRO SHOULD SEEK TO IDENTIFY A DOMESTIC MANUFACTURER OF A CRASH WORTHY TRANSPARENT SOUNDWALL MATERIAL, OR CONSIDER SEEKING A WAIVER FROM THE BUY AMERICA PROVISIONS IN ORDER TO PROVIDE A CRASH WORTHY TRANSPARENT SOUNDWALL



**FINAL ADVANCED CONCEPTUAL STATIONS DESIGN**

**NOT FOR CONSTRUCTION**

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REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY  
G. LONTOK  
DRAWN BY  
C. HA  
CHECKED BY  
J. HUANG  
IN CHARGE  
R. LOYA  
DATE  
03/17/23



LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY

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

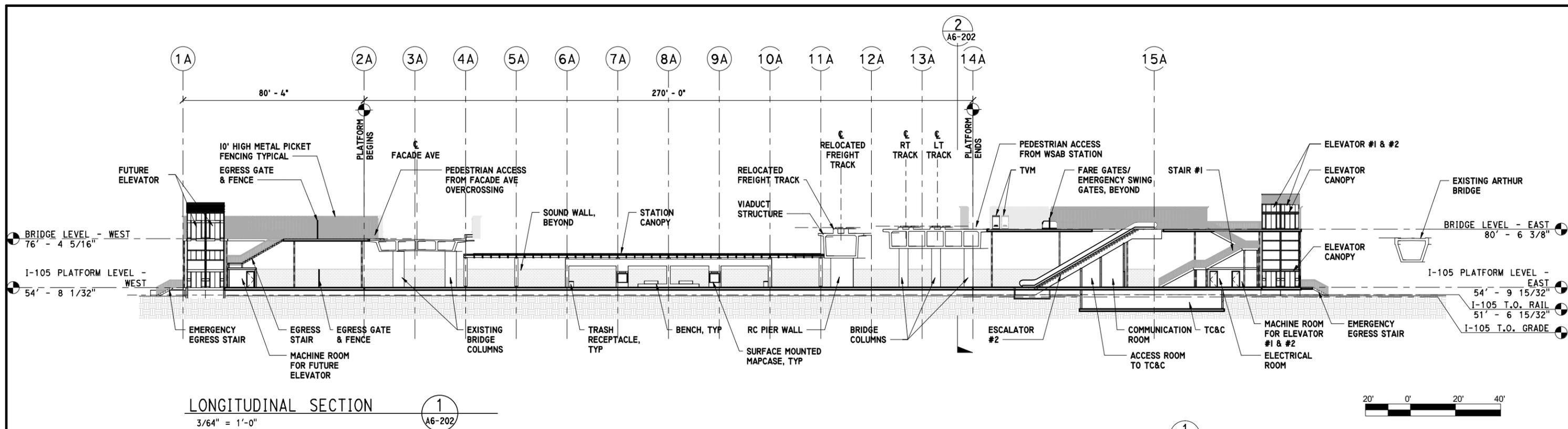
SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
ARCHITECTURAL  
I-105/C LINE STATION  
STATION BRIDGE PLAN  
AT-GRADE STATION

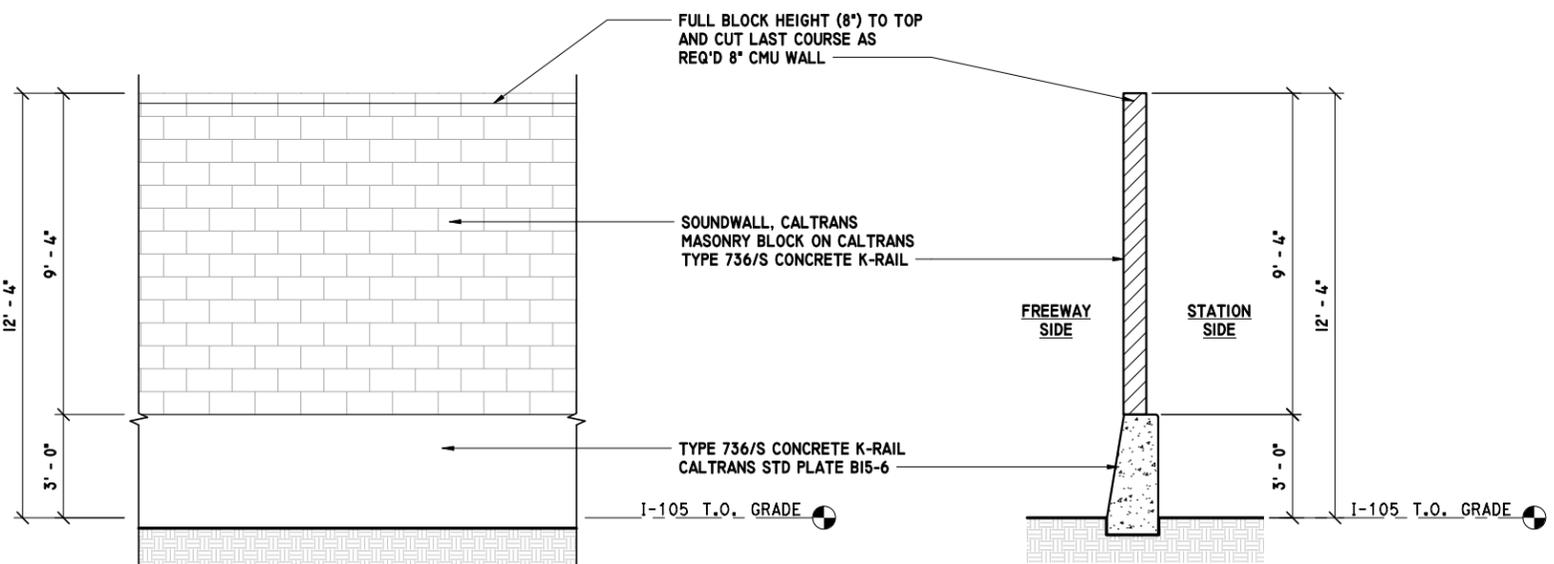
CONTRACT NO AE5999300	
DRAWING NO A6-200	REV
SCALE 3/64" = 1'-0"	
SHEET NO 26 OF 37	

This document is 1:1 when printed on a 22" x 34" sheet; it is 1/2 on 11" x 17" sheet.



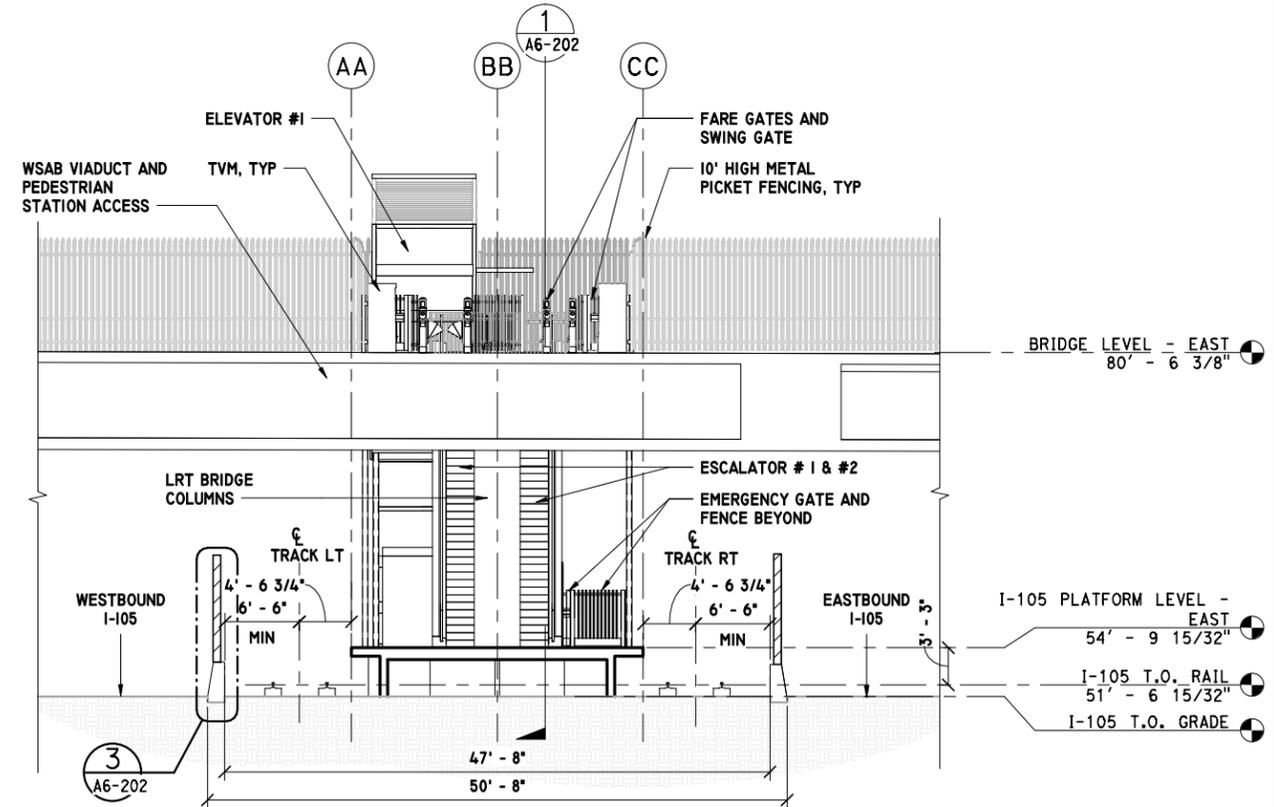


**LONGITUDINAL SECTION**  
 3/64" = 1'-0"  
 1  
 A6-202

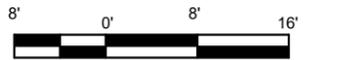


**PARTIAL SOUND WALL ELEVATION**  
 3/8" = 1'-0"  
 4  
 A6-202

**SOUND WALL SECTION**  
 3/8" = 1'-0"  
 3  
 A6-202



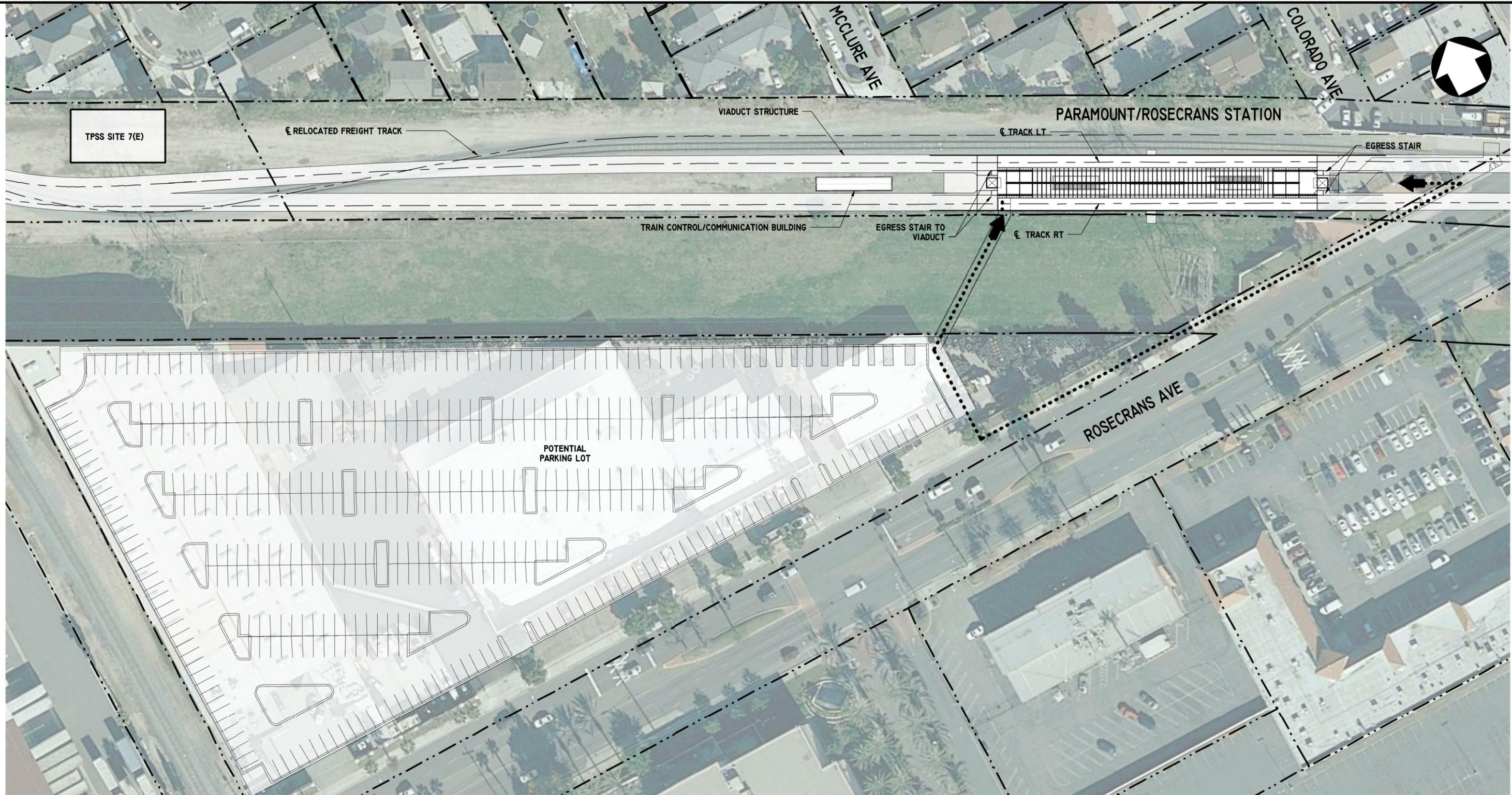
**TRANSVERSE SECTION**  
 1/8" = 1'-0"  
 2  
 A6-202



**FINAL ADVANCED CONCEPTUAL STATIONS DESIGN**

**NOT FOR CONSTRUCTION**

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.	DESIGNED BY G. LONTOK	LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	WEST SANTA ANA BRANCH LRT ARCHITECTURAL I-105/C LINE STATION SECTIONS AT-GRADE STATION	CONTRACT NO. AE5999300				
	DRAWN BY G. HA			DRAWING NO. A6-202	REV			
	CHECKED BY J. HUANG	515 Figueroa Street Suite 1400 Los Angeles, CA 90071 TEL (213) 362-9470	SUBMITTED _____ APPROVED _____	SCALE AS INDICATED				
	IN CHARGE R. LOYA			SHEET NO. 28 OF 37				
REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	
I	03/17/23						FINAL STATION DRAWINGS	



**SITE PLAN**  
1" = 40'-0"

1  
A7-001

**LEGEND:**

- ACCESSIBLE PATH OF TRAVEL TO STATION ACCESS
- PROPERTY LINE

**NOTE:**

- 1 - 487 POTENTIAL PARKING SPACES  
476 PARKING SPACES  
10 ADA PARKING SPACES  
1 VAN PARKING SPACE
  - 2 - PARKING LOT CAN BE UTILIZED AS A FUTURE POTENTIAL JOINT DEVELOPMENT SITE.
- AREA PARKING LOT  
3.77 ACRE



**DRAFT ADVANCED CONCEPTUAL STATIONS DESIGN**

**NOT FOR CONSTRUCTION**

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REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
							REVISED MAY 2022

DESIGNED BY  
G. LONTOK  
DRAWN BY  
A. NAPOLES  
CHECKED BY  
J. HUANG  
IN CHARGE  
R. LOYA  
DATE  
12/12/2022



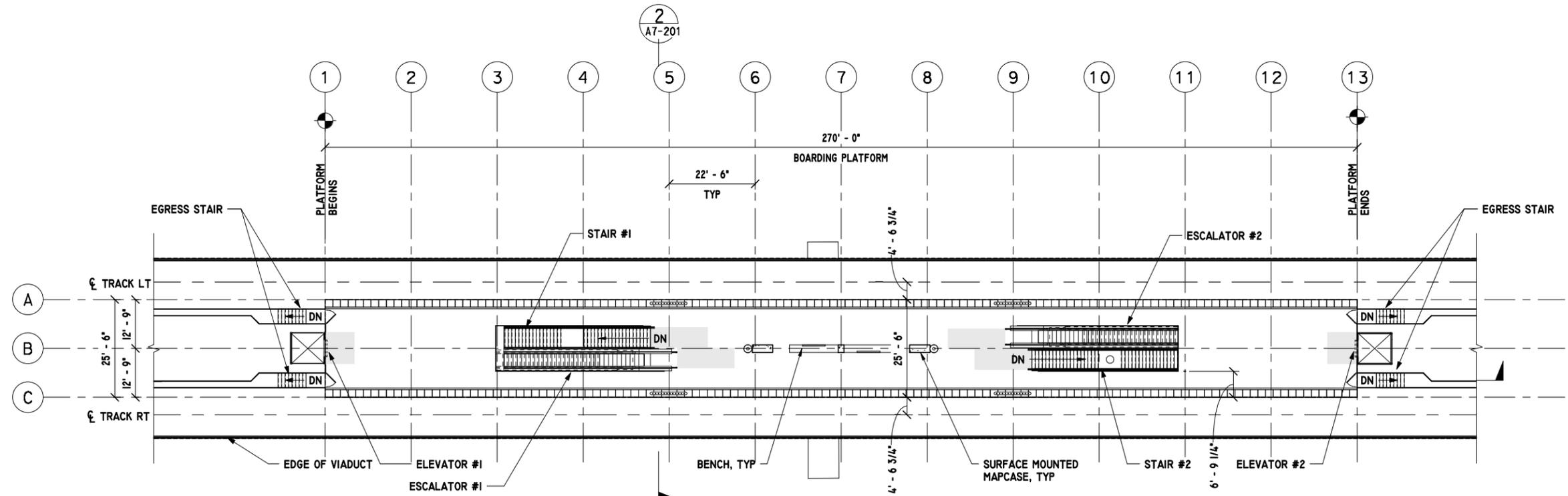
**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**  
515 Figueroa Street  
Suite 1400  
Los Angeles, CA 90071  
TEL (213) 362-9470

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

**WEST SANTA ANA BRANCH LRT ARCHITECTURAL PARAMOUNT/ROSECRANS STATION SITE PLAN AERIAL STATION**

CONTRACT NO. AE5999300
DRAWING NO. A7-001
SCALE 1" = 40'-0"
SHEET NO. 29 OF 37

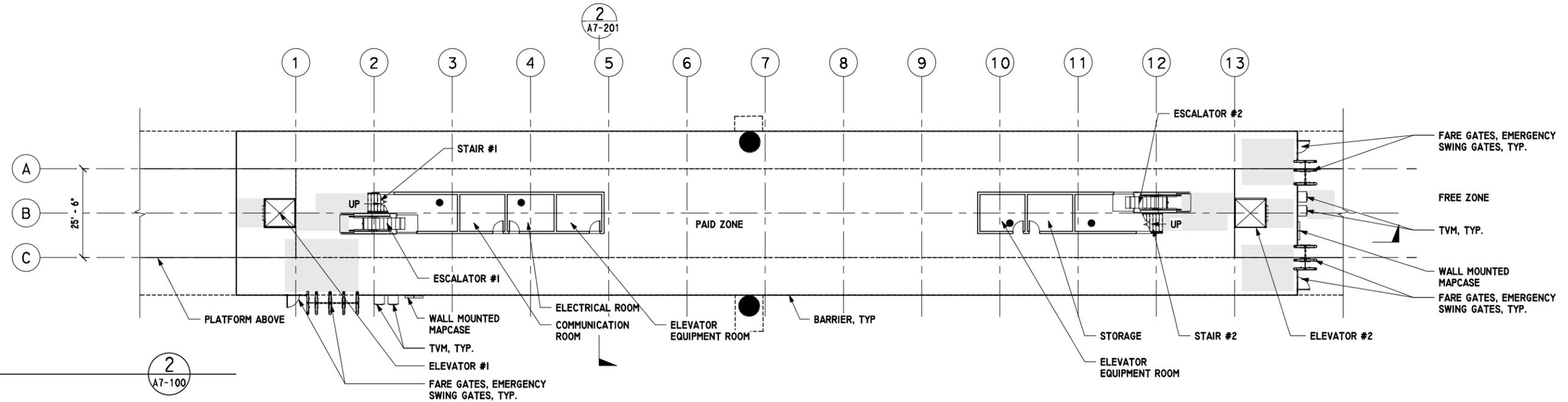
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**PLATFORM LEVEL**

1/16" = 1'-0"

1  
A7-100



**PLAZA LEVEL**

1/16" = 1'-0"

2  
A7-100



**FINAL ADVANCED CONCEPTUAL STATIONS DESIGN**

**NOT FOR CONSTRUCTION**

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REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
	3/17/23						FINAL STATION DRAWINGS

DESIGNED BY G. LONTOK
DRAWN BY C. HA
CHECKED BY J. HUANG
IN CHARGE R. LOYA
DATE 3/17/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

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

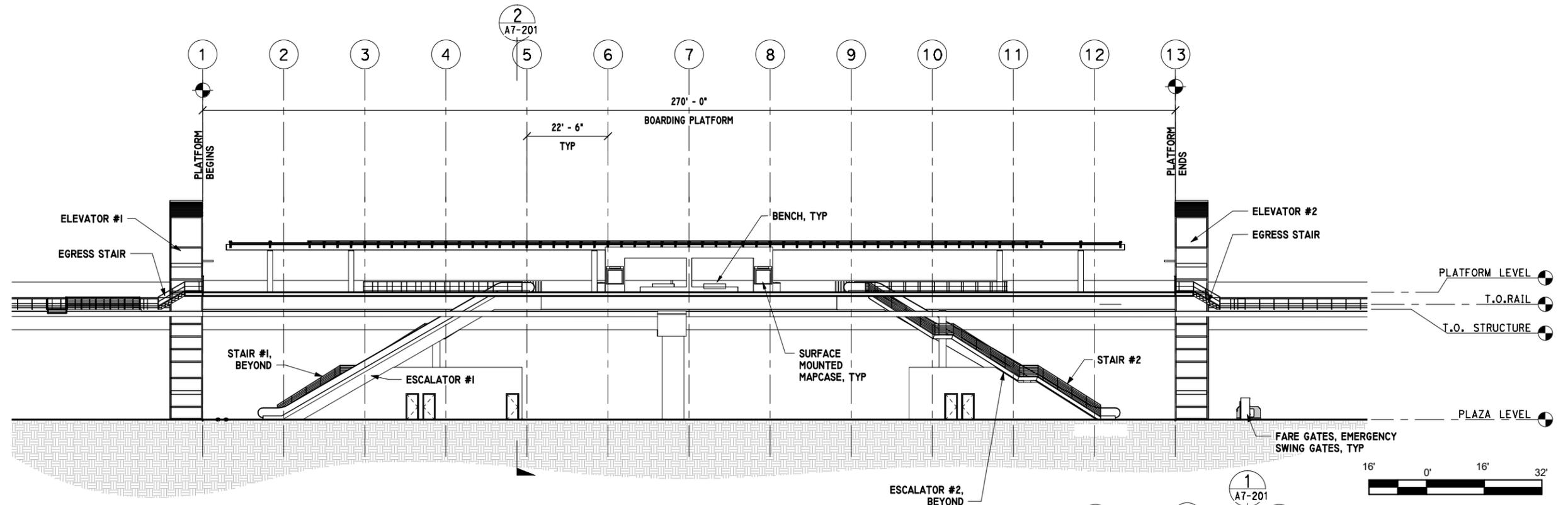
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

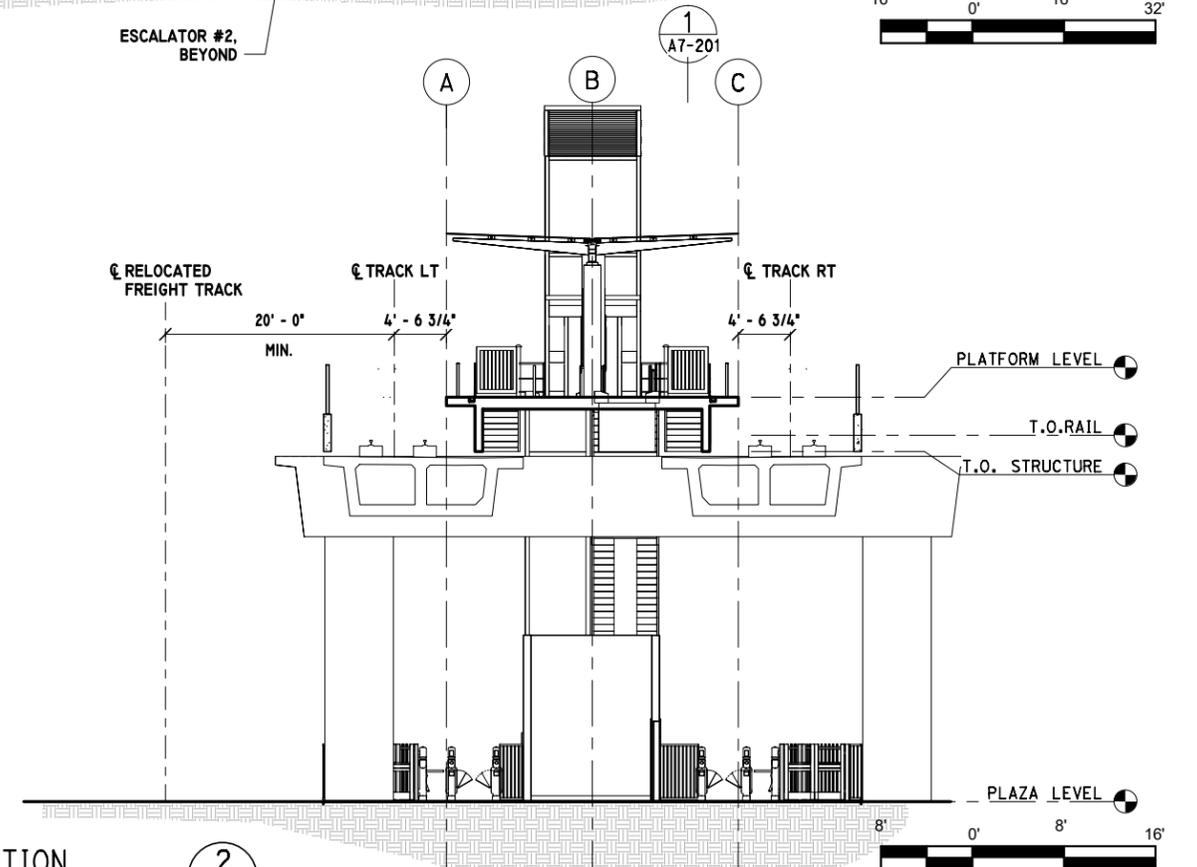
**WEST SANTA ANA BRANCH LRT ARCHITECTURAL PARAMOUNT/ROSECRANS STATION PLANS AERIAL STATION**

CONTRACT NO. AE5999300
DRAWING NO. A7-100
SCALE 1/16" = 1'-0"
SHEET NO. 30 OF 37

This document is 11" when printed on a 22" x 34" sheet, it is 1/2 on 11" x 17" sheet



LONGITUDINAL SECTION 1  
1/16" = 1'-0"



TRANSVERSE SECTION 2  
1/8" = 1'-0"

**FINAL ADVANCED CONCEPTUAL STATIONS DESIGN**

**NOT FOR CONSTRUCTION**

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REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
	3/17/23						FINAL STATION DRAWINGS

DESIGNED BY  
G. LONTOK  
DRAWN BY  
C. HA  
CHECKED BY  
J. HUANG  
IN CHARGE  
R. LOYA  
DATE  
3/17/2023



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

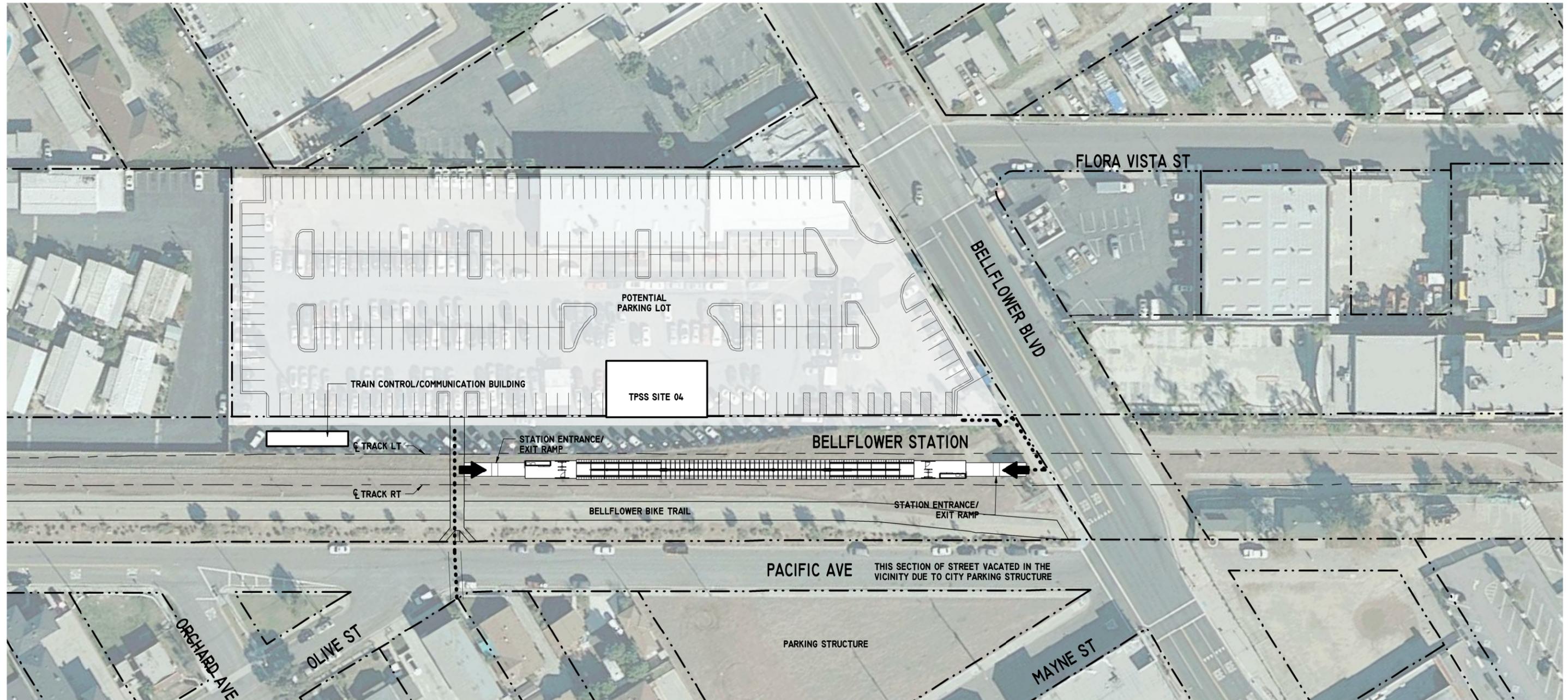
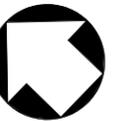


515 Figueroa Street  
Suite 1400  
Los Angeles, CA 90071  
TEL (213) 362-9470

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

WEST SANTA ANA BRANCH LRT  
ARCHITECTURAL  
PARAMOUNT/ROSECRANS STATION  
SECTIONS  
AERIAL STATION

CONTRACT NO. AE5999300
DRAWING NO. A7-201
SCALE AS INDICATED
SHEET NO. 31 OF 37



**SITE PLAN**

1" = 40'-0"



**LEGEND:**

- ACCESSIBLE PATH OF TRAVEL TO STATION ACCESS
- - - - - PROPERTY LINE

**NOTES:**

- 1 - 261 POTENTIAL PARKING SPACES  
252 PARKING SPACES  
8 ADA PARKING SPACES  
1 VAN PARKING SPACE
- 2 - OPEN PARKING LOT INDICATED PRESENTS POTENTIAL OPPORTUNITIES FOR FUTURE JOINT DEVELOPMENT
- AREA PARKING LOT  
2.54 ACRE



**DRAFT ADVANCED CONCEPTUAL STATIONS DESIGN**

**NOT FOR CONSTRUCTION**

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REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
							REVISED MAY 2022

DESIGNED BY  
G.LONTOK  
DRAWN BY  
C. HA  
CHECKED BY  
J. HUANG  
IN CHARGE  
R. LOYA  
DATE  
3/17/2023



LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY

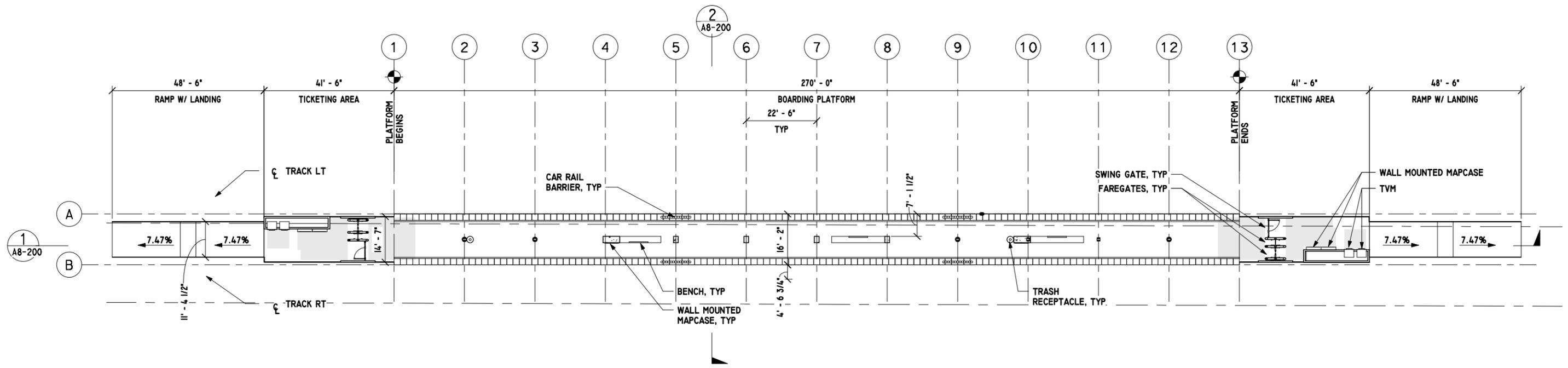


515 Figueroa Street  
Suite 1400  
Los Angeles, CA 90071  
TEL (213) 362-9470

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

WEST SANTA ANA BRANCH LRT  
ARCHITECTURAL  
BELLFLOWER STATION  
STATION SITE PLAN  
AT-GRADE STATION

CONTRACT NO AE5999300	
DRAWING NO A8-001	REV
SCALE 1" = 40'-0"	
SHEET NO 32 OF 37	



**PLATFORM PLAN**  
 1/16" = 1'-0"  
 1  
 A8-100



**FINAL ADVANCED CONCEPTUAL STATIONS DESIGN**

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

REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
	3/17/23						FINAL STATION DRAWINGS

DESIGNED BY G. LONTOK
DRAWN BY C. HA
CHECKED BY J. HUANG
IN CHARGE R. LOYA
DATE 3/17/2023

**Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

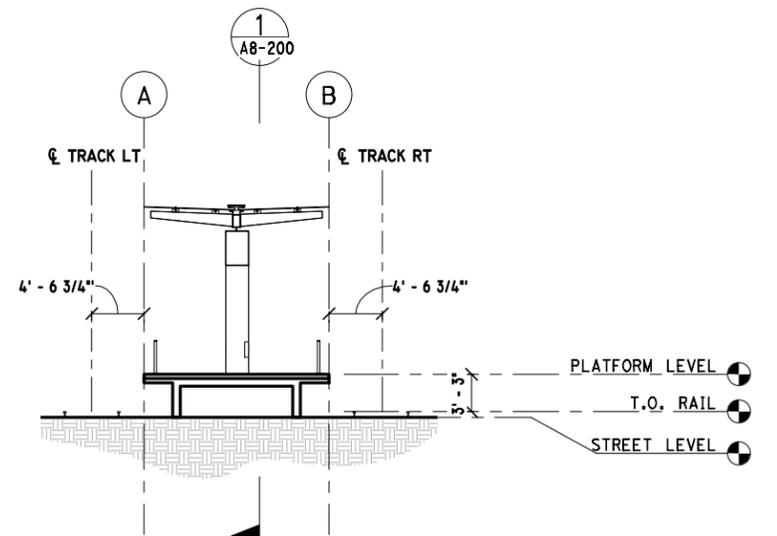
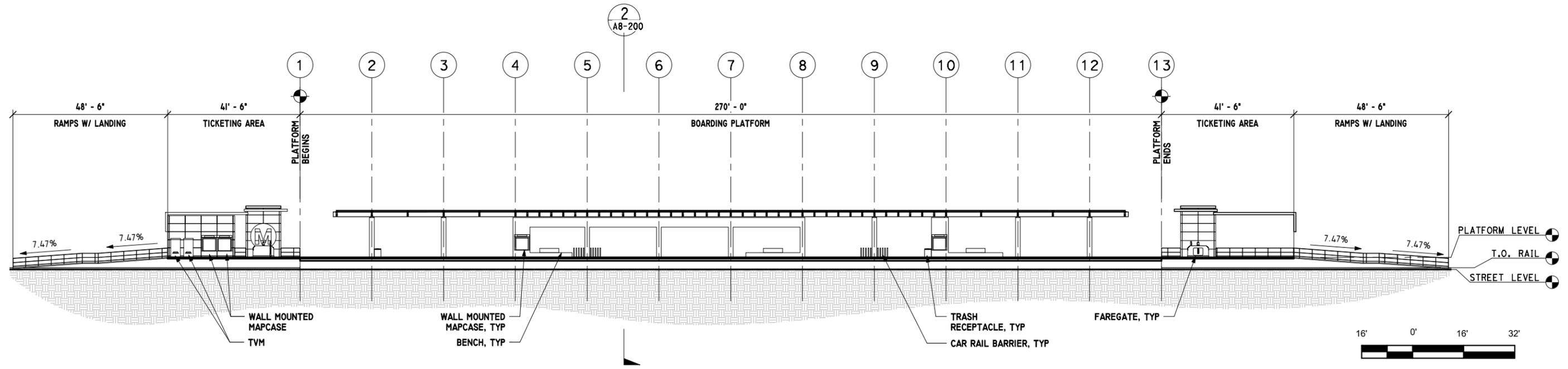
**wsp** 515 Figueroa Street  
 Suite 1400  
 Los Angeles, CA 90071  
 TEL (213) 362-9470

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

**WEST SANTA ANA BRANCH LRT**  
**ARCHITECTURAL**  
**BELLFLOWER STATION**  
**PLATFORM PLAN**  
**AT-GRADE STATION**

CONTRACT NO. AE5999300
DRAWING NO. A8-100
SCALE 1/16" = 1'-0"
SHEET NO. 33 OF 37

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# FINAL ADVANCED CONCEPTUAL STATIONS DESIGN

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REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
	3/17/23						FINAL STATION DRAWINGS

DESIGNED BY  
G. LONTOK

DRAWN BY  
C. HA

CHECKED BY  
J/ HUANG

IN CHARGE  
R. LOYA

DATE  
3/17/2023



LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY



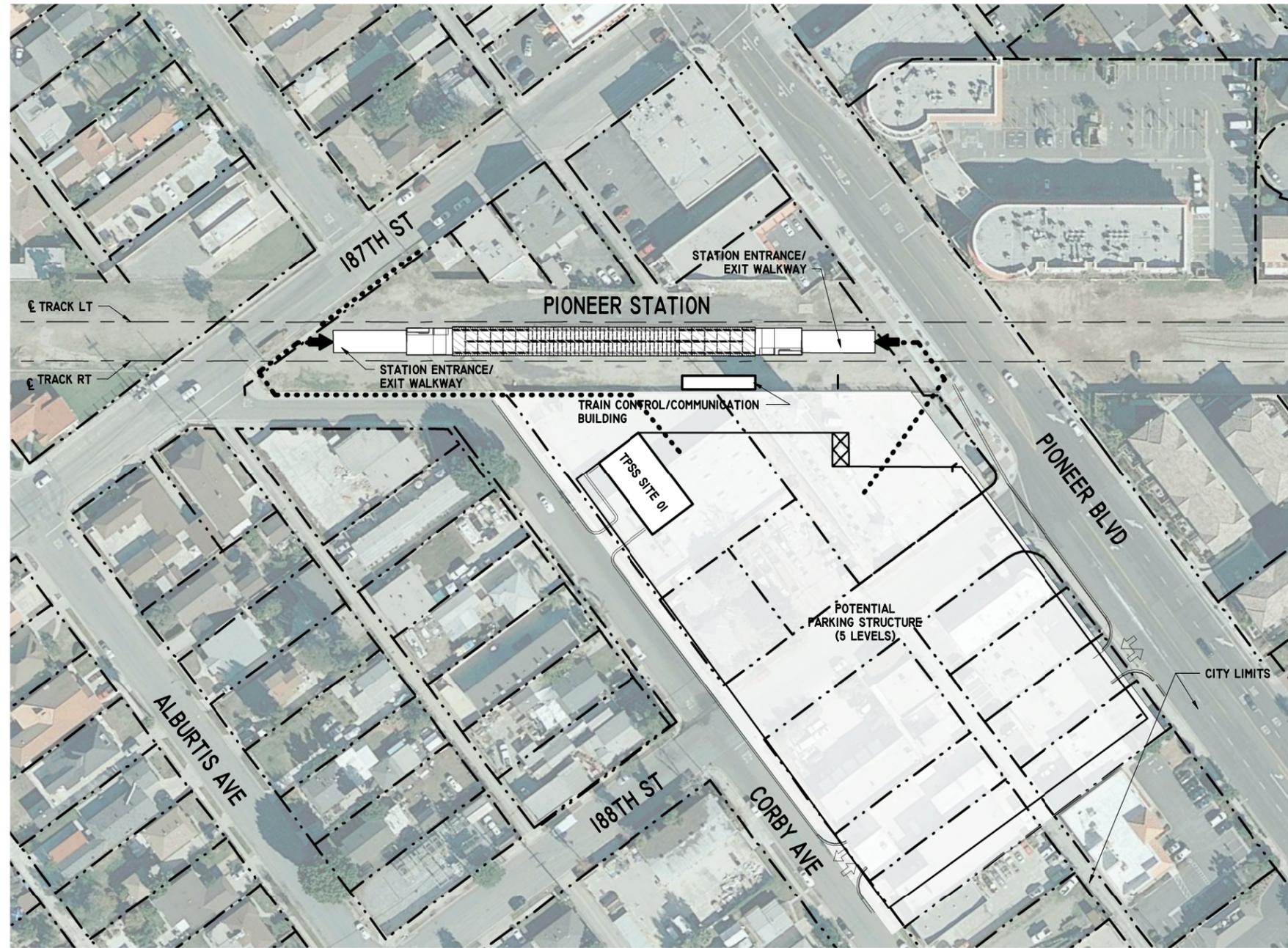
515 Figueroa Street  
Suite 1400  
Los Angeles, CA 90071  
TEL (213) 362-9470

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

WEST SANTA ANA BRANCH LRT  
ARCHITECTURAL  
BELLFLOWER STATION  
SECTIONS  
AT-GRADE STATION

CONTRACT NO. AE5999300
DRAWING NO. A8-200
SCALE AS INDICATED
SHEET NO. 34 OF 37

This document is 1:1 when printed on a 22" x 34" sheet, it is 1:2 on 11" x 17" sheet



**SITE PLAN**  
1" = 60'-0"

1  
A9-001

**LEGEND:**

- ACCESSIBLE PATH OF TRAVEL TO STATION ACCESS
- - - - - PROPERTY LINE

**NOTE:**

- 1085 PARKING SPACES
- 17 ADA PARKING SPACES
- 4 VAN PARKING SPACES
- 1106 TOTAL POTENTIAL PARKING SPACES
- AREA PARKING LOT
- 3.26 ACRE



**FINAL ADVANCED CONCEPTUAL STATIONS DESIGN**

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REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
	3/17/23						FINAL STATION DRAWINGS

DESIGNED BY  
G. LONTOK  
DRAWN BY  
C. HA  
CHECKED BY  
J. HUANG  
IN CHARGE  
R. LOYA  
DATE  
3/17/2023



LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY



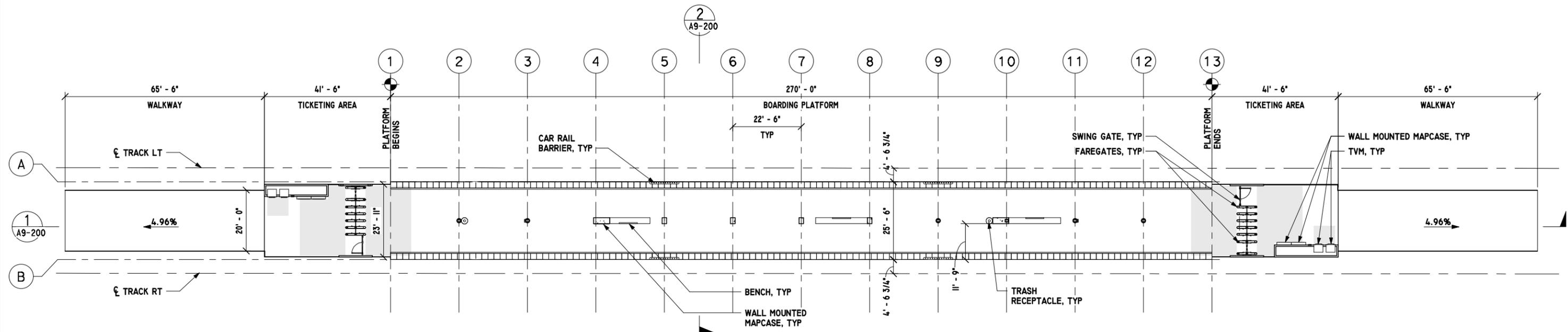
515 Figueroa Street  
Suite 1400  
Los Angeles, CA 90071  
TEL (213) 362-9470

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

**WEST SANTA ANA BRANCH LRT**  
**ARCHITECTURAL**  
**PIONEER STATION**  
**STATION SITE PLAN**  
**AT-GRADE STATION**

CONTRACT NO AE5999300	
DRAWING NO A9-001	REV
SCALE 1" = 60'-0"	
SHEET NO 35 OF 37	

This document is 1:1 when printed on a 22" x 34" sheet, it is 1:2 on 11" x 17" sheet



**PLATFORM PLAN**

1/16" = 1'-0"

1  
A9-100



**FINAL ADVANCED CONCEPTUAL STATIONS DESIGN**

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REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
	3/17/23						FINAL STATION DRAWINGS

DESIGNED BY  
G. LONTOK  
DRAWN BY  
C. HA  
CHECKED BY  
J. HUANG  
IN CHARGE  
R. LOYA  
DATE  
3/17/2023



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



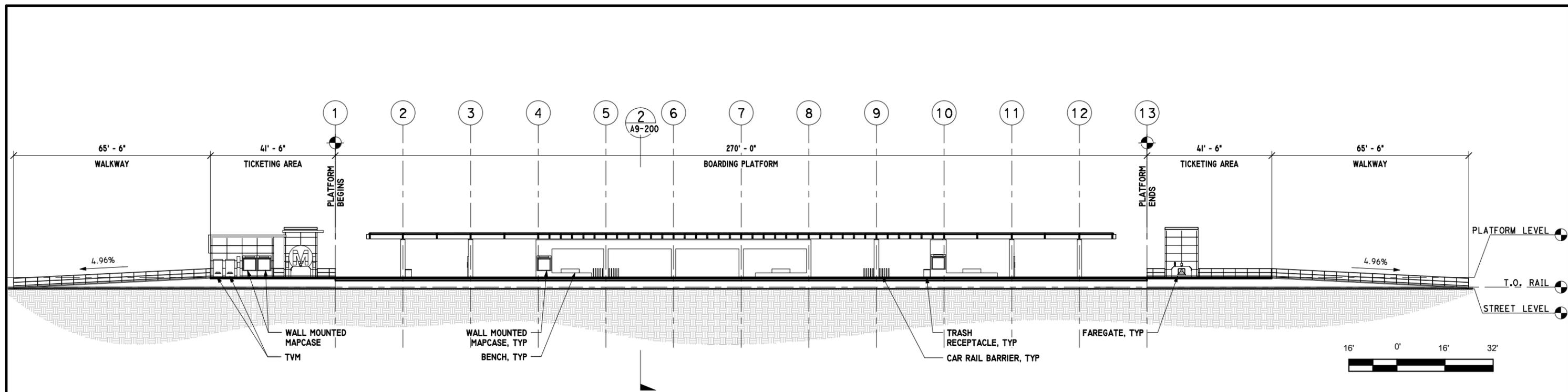
515 Figueroa Street  
Suite 1400  
Los Angeles, CA 90071  
TEL (213) 362-9470

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

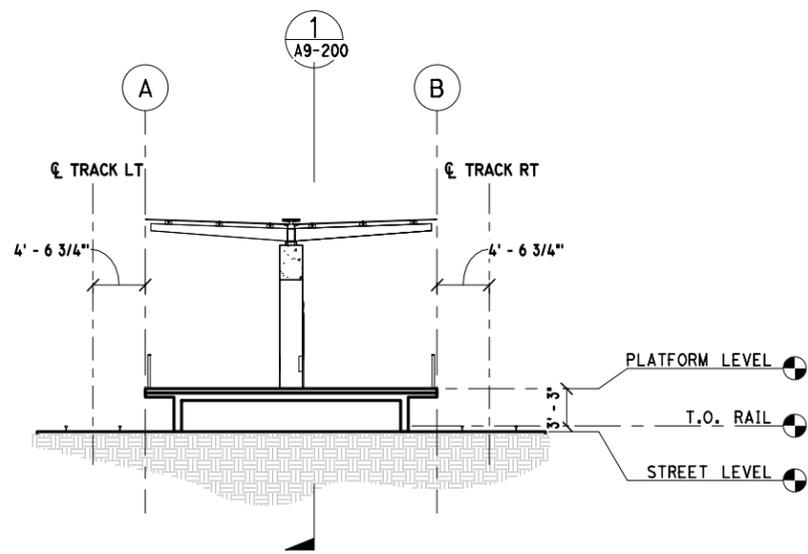
WEST SANTA ANA BRANCH LRT  
ARCHITECTURAL  
PIONEER STATION  
PLATFORM PLAN  
AT-GRADE STATION

CONTRACT NO AE5999300	
DRAWING NO A9-100	REV
SCALE 1/16" = 1'-0"	
SHEET NO 36 OF 37	

This document is 1:1 when printed on a 22" x 34" sheet, it is 1:2 on 11" x 17" sheet



**LONGITUDINAL SECTION** 1  
 1/16" = 1'-0"  
 A9-200



**TRANSVERSE SECTION** 2  
 1/8" = 1'-0"  
 A9-200

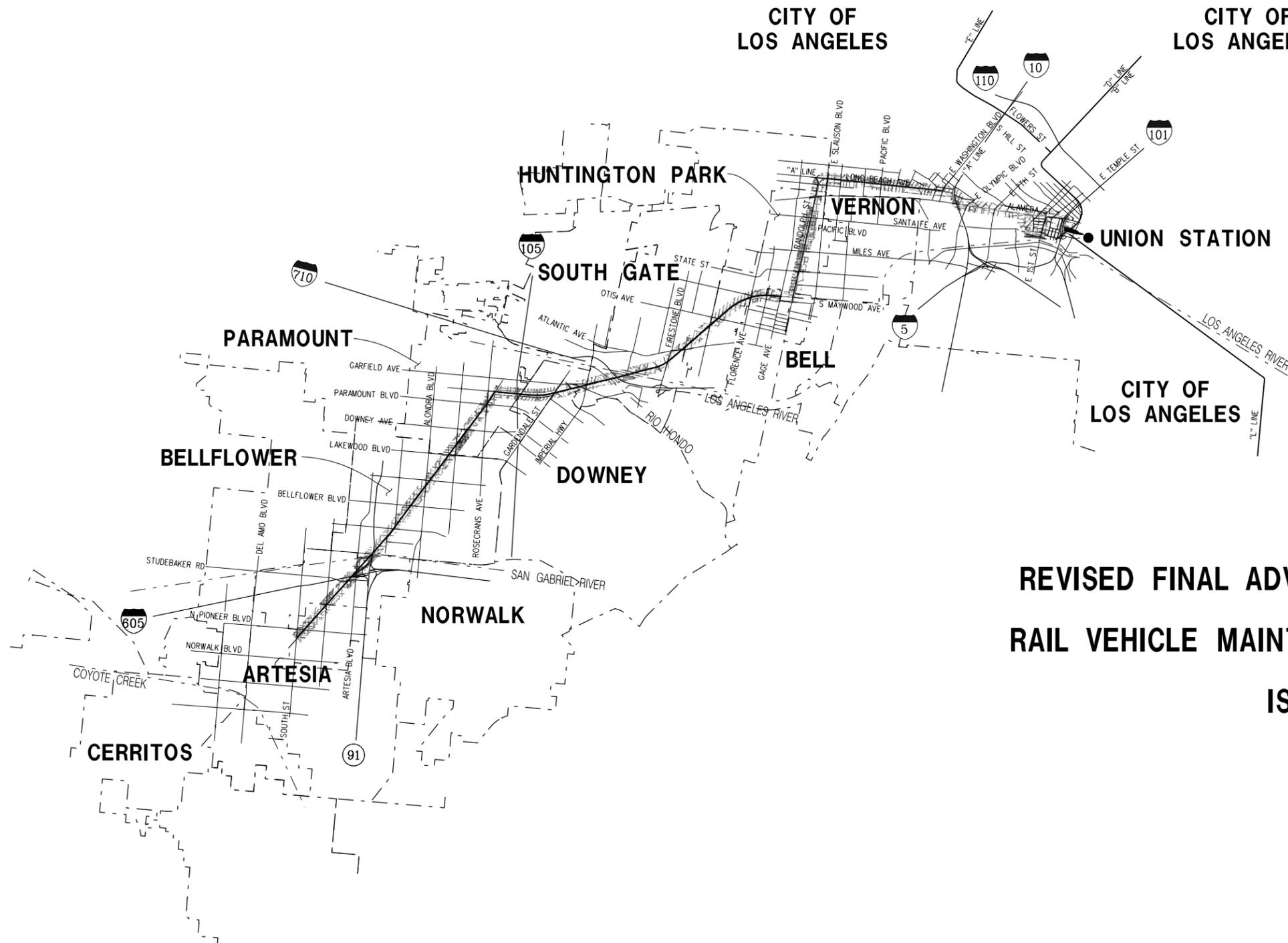
**FINAL ADVANCED CONCEPTUAL STATIONS DESIGN**

**NOT FOR CONSTRUCTION**

<small>THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA). UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.</small>	REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION	DESIGNED BY G. LONTOK DRAWN BY C. HA CHECKED BY J. HUANG IN CHARGE R. LOYA DATE 3/17/2023	LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY  515 Figueroa Street Suite 1400 Los Angeles, CA 90071 TEL (213) 362-9470	SUBMITTED _____ APPROVED _____	CONTRACT NO. AE5999300 DRAWING NO. A9-200 SCALE AS INDICATED SHEET NO. 37 OF 37
	3/17/23							FINAL STATION DRAWINGS				

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E-28091AG01.plt  
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Pentable=bw.plt  
wsppw14-pw-svc22-34  
16-FEB-2024



**REVISED FINAL ADVANCED CONCEPTUAL ENGINEERING  
RAIL VEHICLE MAINTENANCE AND STORAGE FACILITIES  
ISSUE: MARCH 2024**

**NOT FOR CONSTRUCTION**

# **WEST SANTA ANA BRANCH TRANSIT CORRIDOR PROJECT**

515 Figueroa Street  
Suite 1400  
Los Angeles, CA 90071



LOS ANGELES COUNTY  
METROPOLITAN TRANSPORTATION AUTHORITY

## INDEX OF DRAWINGS

SHT NO	DWG NO	DWG TITLE
<b>GENERAL</b>		
2	G-001	GENERAL INDEX
3	G-002	GENERAL KEY MAP
4	G-003	GENERAL ABBREVIATIONS, NOTES, AND LEGENDS
<b>MAINTENANCE AND STORAGE FACILITY</b>		
5	T-B100	YARD SITE PLAN BELLFLOWER YARD PLAN
6	T-B101	YARD SITE PLAN BELLFLOWER YARD PLAN
7	T-B102	CONCEPTUAL LAYOUT BELLFLOWER YARD PLAN
8	T-B103	CONCEPTUAL LAYOUT BELLFLOWER YARD PLAN
9	T-B104	CONCEPTUAL LAYOUT BELLFLOWER YARD PLAN
10	T-B105	CONCEPTUAL LAYOUT BELLFLOWER YARD PLAN
11	T-B106	CONCEPTUAL LAYOUT BELLFLOWER YARD PLAN
12	T-B107	CONCEPTUAL LAYOUT BELLFLOWER YARD PLAN
13	T-B108	CONCEPTUAL LAYOUT BELLFLOWER YARD PLAN
14	T-B109	YARD TRACK PLAN BELLFLOWER YARD PLAN
15	T-B110	YARD TRACK PLAN BELLFLOWER YARD PLAN
16	T-B111	YARD TYPICAL SECTION BELLFLOWER YARD PROFILE
17	T-B112	MSF LEAD TRACKS BELLFLOWER YARD PLAN
18	T-B113	MSF LEAD TRACKS BELLFLOWER YARD PLAN
19	T-B114	MSF LEAD TRACKS BELLFLOWER YARD PLAN
20	T-B115	YARD TRACK GEOMETRY TABLES BELLFLOWER YARD
21	T-B116	YARD TRACK GEOMETRY TABLES BELLFLOWER YARD
22	T-B117	YARD TRACK GEOMETRY TABLES BELLFLOWER YARD
23	T-B118	YARD TRACK GEOMETRY TABLES BELLFLOWER YARD
24	T-B119	YARD TRACK GEOMETRY TABLES BELLFLOWER YARD

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DESIGNED BY	SJ						
DRAWN BY	SJ						
CHECKED BY	SM						
IN CHARGE	RL						
DATE	5/3/2023						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
2	5/3/2023						REVISED FINAL MSF SUBMITTAL

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DATE	5/3/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

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

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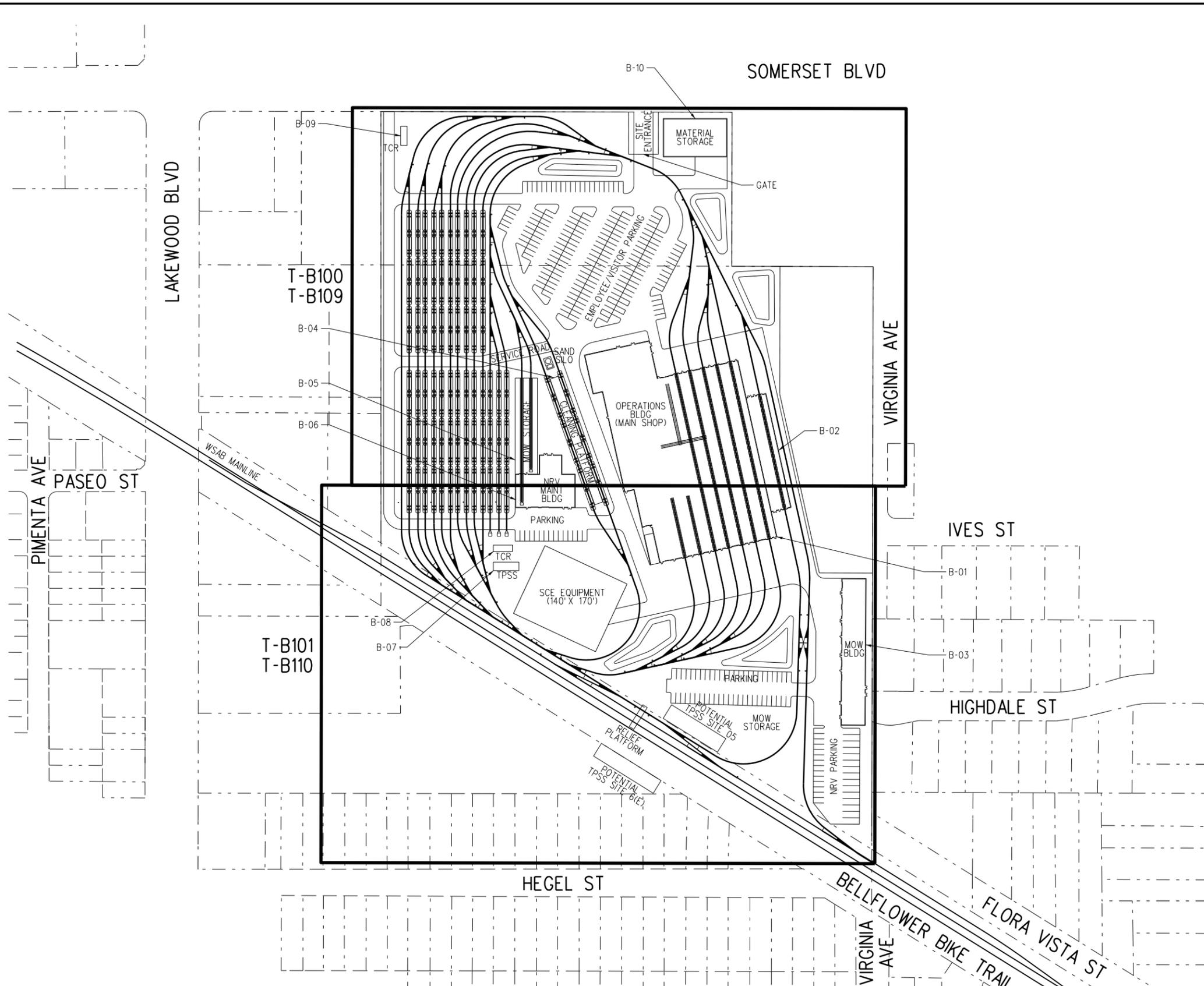
**WEST SANTA ANA BRANCH LRT**

**GENERAL**

**INDEX**

CONTRACT NO		AE5999300	
DRAWING NO	G-001	REV	
SCALE	NO SCALE		
SHEET NO	2	OF	24

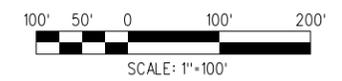
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BELLFLOWER YARD (21.3 ACRES)		
STRUCTURE DESIGNATION	STRUCTURE DESCRIPTION	APPROX. BUILDING FOOTPRINT (SF)
B-01	MAIN SHOP AND ADMINISTRATION OFFICES	95110
B-02	CAR WASH	8322
B-03	MOW BLDG	12680
B-04	CLEANING PLATFORM	4000
B-05	MOW STORAGE	7560
B-06	NRV MAINTENANCE	8667
B-07	TPSS	768
B-08	TCR	432
B-09	TCR	432
B-10	MATERIAL STORAGE	8640
TOTAL		146611

PARKING TYPE	PARKING SPACES
REGULAR	245
ACCESSIBLE	7
NRV	29

LRV STORAGE CAPACITY Storage Tracks	LRV STORAGE CAPACITY Cleaning Platform
69	6



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2	5/3/2023						REVISED FINAL MSF SUBMITTAL

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**Metro** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

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

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WEST SANTA ANA BRANCH LRT GENERAL KEY MAP

CONTRACT NO. AE5999300

DRAWING NO. G-002

SCALE 1"=100'

SHEET NO. 3 OF 24

LIST OF ABBREVIATIONS

AC	Asphalt Concrete	MKT	Marketing
ADMIN	Administrative	MOW	Maintenance of Way
ANLYT,	Analyst	MSF	Maintenance and Storage Facilities
ANLYST		N, S, E, W	North, South, East and West
ASST	Assistant	NB	Northbound
AVE	Avenue	NRV	Non-Revenue Vehicle
BATT	Battery	OFF	Officer
BLDG	Building	OH	Overhead
BLVD	Boulevard	OG	Original Ground
BMP	Best Management Practice	OPS	Operations
CMU	Concrete Masonry Unit	P.R.	Public Relations
COMM	Communications	PC	Point of Curvature
COMP	Component	PI	Point of Intersection
CONTS	Contracts	PITO	Point of Intersection of Turnout
CS	Construction Supervision, Point of Change From Circular Curve to Spiral Curve	PDE	Point of Endpoint
		PROJ	Project
CTY	County	PS	Point of Switch
CUST	Custodian	PT	Point of Tangency
DEP	Deputy	PVC	Point of Vertical Curve
DESC	Description	PVI	Point of Vertical Intersection
DIR	Director	PVT	Point of Vertical Tangency
DN	Down	QA	Quality Assurance
DWG	Drawing	R	Radius
EER	Elevator Equipment Room	R/W, R.O.W.	Right of Way
EL, ELEV	Elevation	RECEPT	Reception/Receptionist
ELEC,	Electrical	REF	Reference
ELECT		REQS	Requirements
ENGR	Engineer, Engineering	RFS	Rail Fleet Services
EQUIP	Equipment	RM	Room
FAB	Fabrication	ROC	Rail Operation Control
FIN	Finance	RR	Unisex Restroom
FM	Facilities Maintenance	RT	Right
FT	Feet	S&I	Service and Inspection
G1/G2	Grade	SB	Southbound
GEN	General	SC	Point of Change from Circular Curve to Spiral Curve
HR	Human Resources	SCADA	Supervisory Control and Data Acquisition
HVAC	Heating, Ventilation & Conditioning	SGNLS	Signals
I.T.	Information Technology	SM	Small
INSTR,	Instructor(s)	SPEC	Specification
INSTRS		ST	Point of Change from Spiral Curve to Tangent, Street
KITCH/VEND	Kitchen/Vending Machine	STOR	Storage
L	Length	SUPV	Supervisor
LA	Los Angeles	T	Tangent Length
LAB	Laboratory	TCS	Train Control System
LID	Low Impact Development	TECHS	Technician
LRG	Large	TEL	Telephone
LT	Left	TELE	Telecommunications
MAINT	Maintenance	TP	Traction Power
MAT	Material	TPSS	Traction Power Substation
MECH	Mechanical	TRANS	Transportation
MEZZ	Mezzanine	TS	Point of Change from Tangent to Spiral Curve
MGMT	Management	TYP	Typical
MGR	Manager		
MIN	Minimum		

GENERAL NOTES

1. PROFILES ARE CONCEPTUAL IN NATURE. FINAL PROFILES TO BE DETERMINED UPON ADDITIONAL DESIGN.
2. DESIGN IS CONCEPTUAL IN NATURE, FOR PURPOSE OF ESTABLISHING ENVIRONMENTAL FOOTPRINT.
3. GRADE CROSSING AND INTERSECTION DRAWINGS IN SEPARATE DESIGN SUBMITTAL
4. DESIGN OF THE PROJECT WILL COMPLY WITH APPLICABLE STATE, LOCAL, AND CITY CODE REQUIREMENTS. COORDINATION WITH INDIVIDUAL AGENCIES AND JURISDICTIONS WILL CONTINUE THROUGHOUT DESIGN REGARDING CHANGES OR ANY EXCEPTIONS TO CODES.

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DATE	5/3/2023



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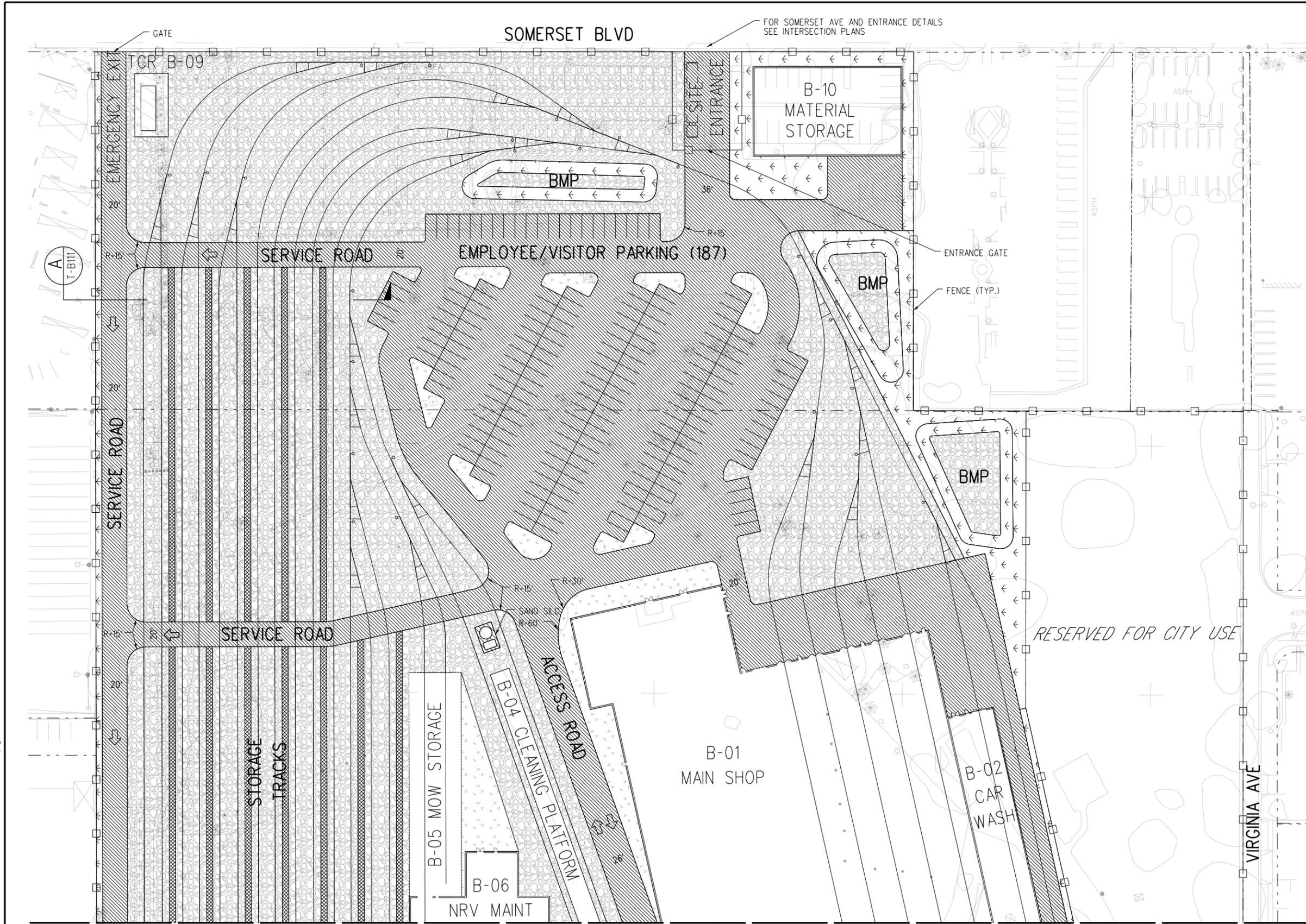
**WEST SANTA ANA BRANCH LRT GENERAL**

ABBREVIATIONS, NOTES, AND LEGENDS

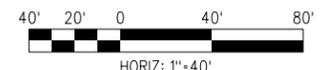
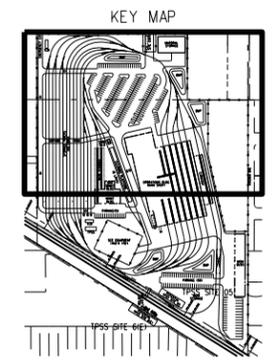
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DRAWING NO <b>G-003</b>	REV
SCALE <b>NO SCALE</b>	
SHEET NO <b>4 OF 24</b>	

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- LEGEND:**
- PROPOSED RAIL TRACK
  - R.O.W.
  - PROPOSED BUILDING FOOTPRINT
  - PROPOSED SECURITY FENCE
  - BALLAST
  - AGGREGATE BASE
  - CONCRETE
  - ASPHALT CONCRETE SECTION RATED FOR HS-25 LOADING
  - ASPHALT CONCRETE SECTION RATED FOR HS-15 LOADING (BETWEEN STORAGE TRACKS)
  - LANDSCAPING



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MATCH LINE SEE T-B101 PLAN

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
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DATE 5/3/2023

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**WEST SANTA ANA BRANCH LRT  
 YARD SITE PLAN  
 BELLFLOWER YARD  
 PLAN**

CONTRACT NO  
**AE5999300**

DRAWING NO  
**T-B100**

SCALE  
**1"=40'**

SHEET NO  
**5 OF 24**

MATCH LINE SEE T-B100

B-06 NRV  
MAINT BLDG

B-01  
MAIN SHOP

RESERVED FOR  
CITY USE

PARKING (15)

B-08  
TCR B-07  
TPSS

SCE EQUIPMENT  
(140'x170')

BMP

BMP

B-03  
MOW  
BLDG

PARKING (50)

MOW STORAGE

POTENTIAL  
TPSS SITE 05

NRV  
PARKING  
(29)

WSAB MAINLINE

BIKE TRAIL

POTENTIAL TPSS  
SITE 5(E)

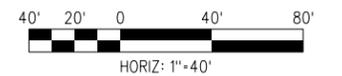
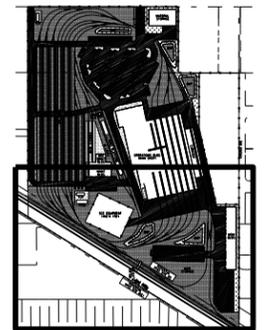


LEGEND:

- PROPOSED RAIL TRACK
- R.O.W.
- PROPOSED BUILDING FOOTPRINT
- PROPOSED SECURITY FENCE
- BALLAST
- AGGREGATE BASE
- CONCRETE
- ASPHALT CONCRETE SECTION RATED FOR HS-25 LOADING
- ASPHALT CONCRETE SECTION RATED FOR HS-15 LOADING (BETWEEN STORAGE TRACKS)
- LANDSCAPING

FENCE (TYP.)

KEY MAP



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PLAN

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**WEST SANTA ANA BRANCH LRT  
 YARD SITE PLAN  
 BELLFLOWER YARD  
 PLAN**

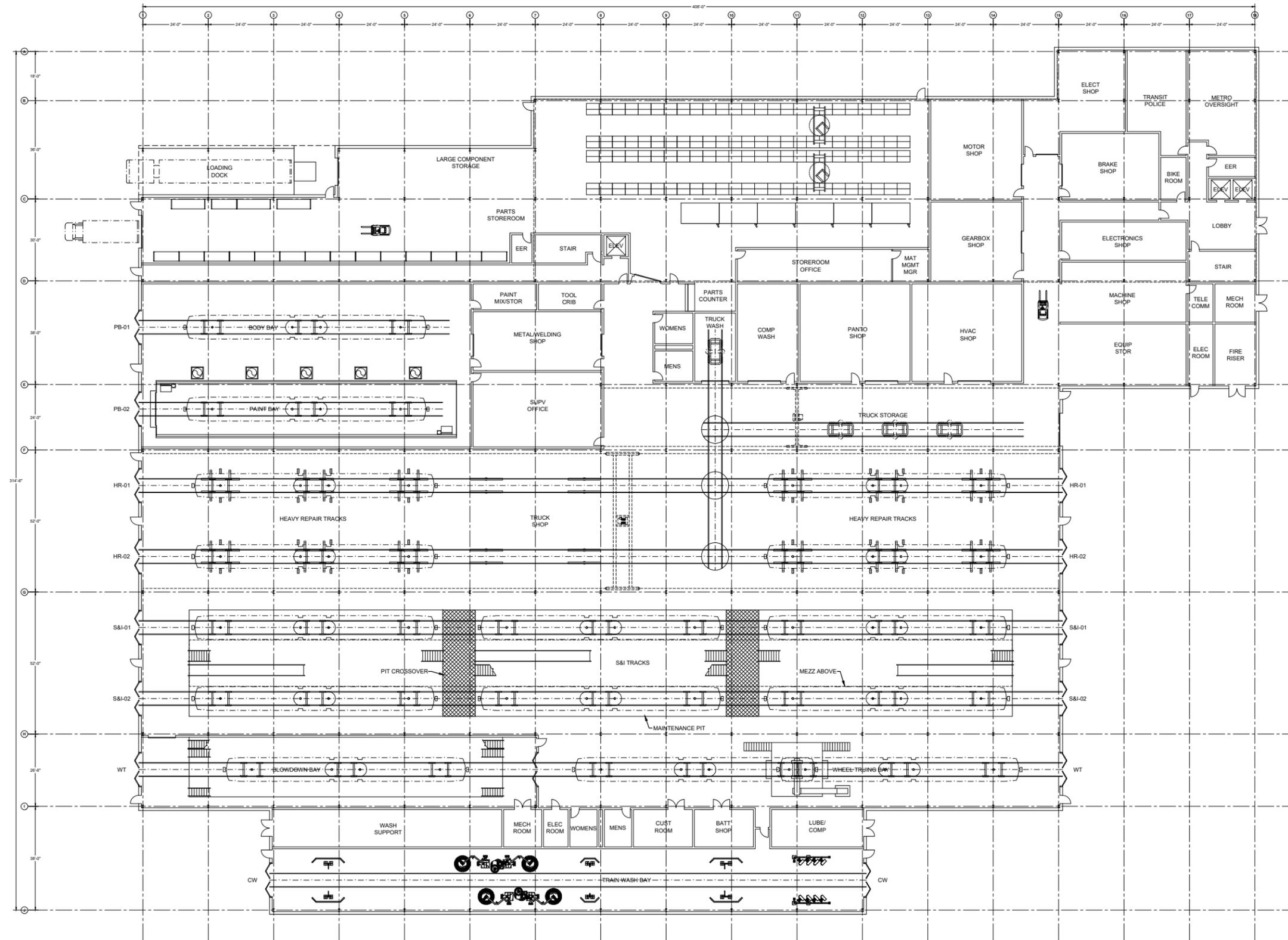
CONTRACT NO  
**AE5999300**

DRAWING NO  
**T-B101**

SCALE  
**1"=40'**

SHEET NO  
**6 OF 24**

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ES  
CHECKED BY  
MC  
IN CHARGE  
RL  
DATE  
5/3/2023



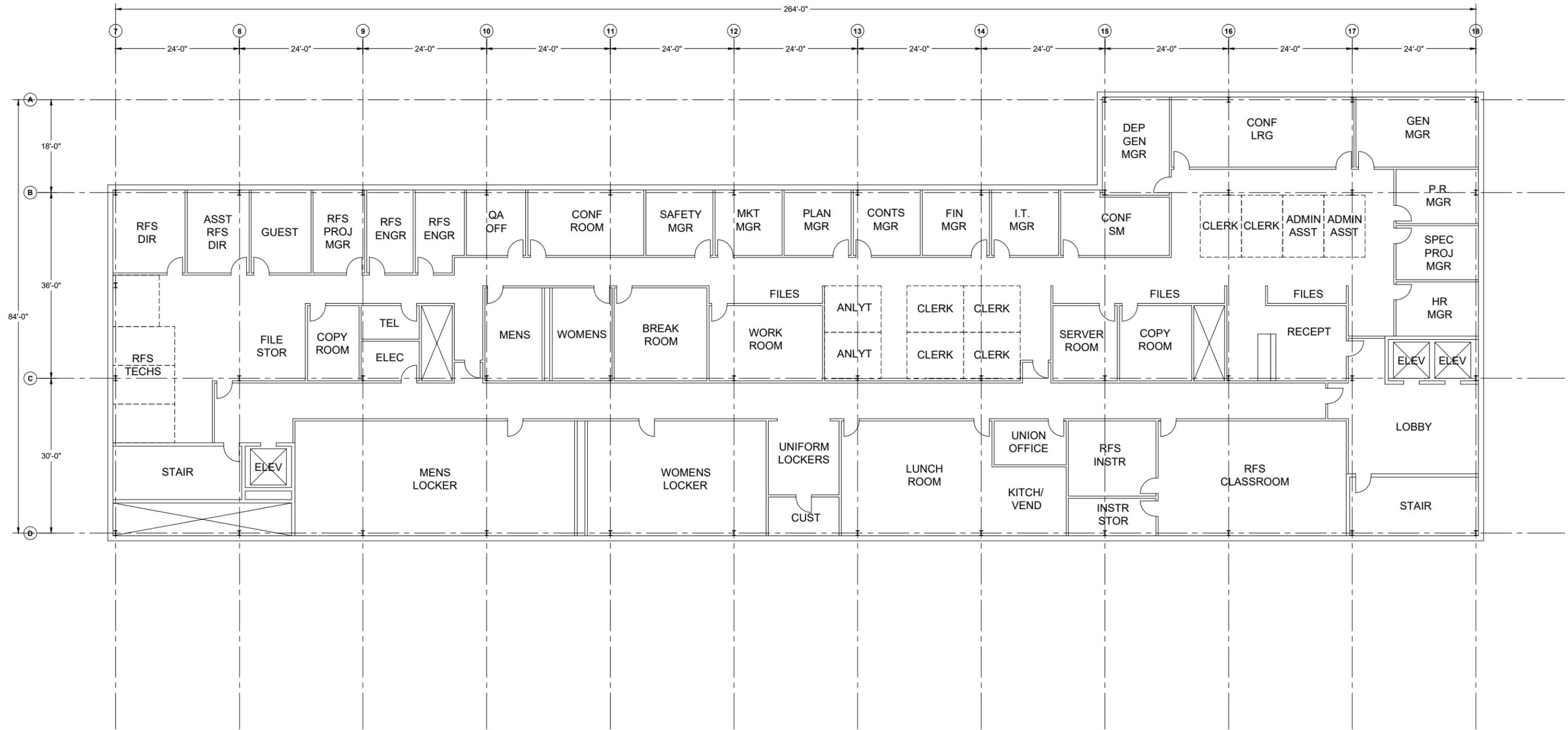
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Los Angeles, CA 90071

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APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
CONCEPTUAL LAYOUT  
BELLFLOWER  
MAIN SHOP - 1ST FLOOR

CONTRACT NO AE5999300	
DRAWING NO T-B102	REV 0
SCALE 1" = 20'	
SHEET NO 7 OF 24	



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DATE	5/3/2023



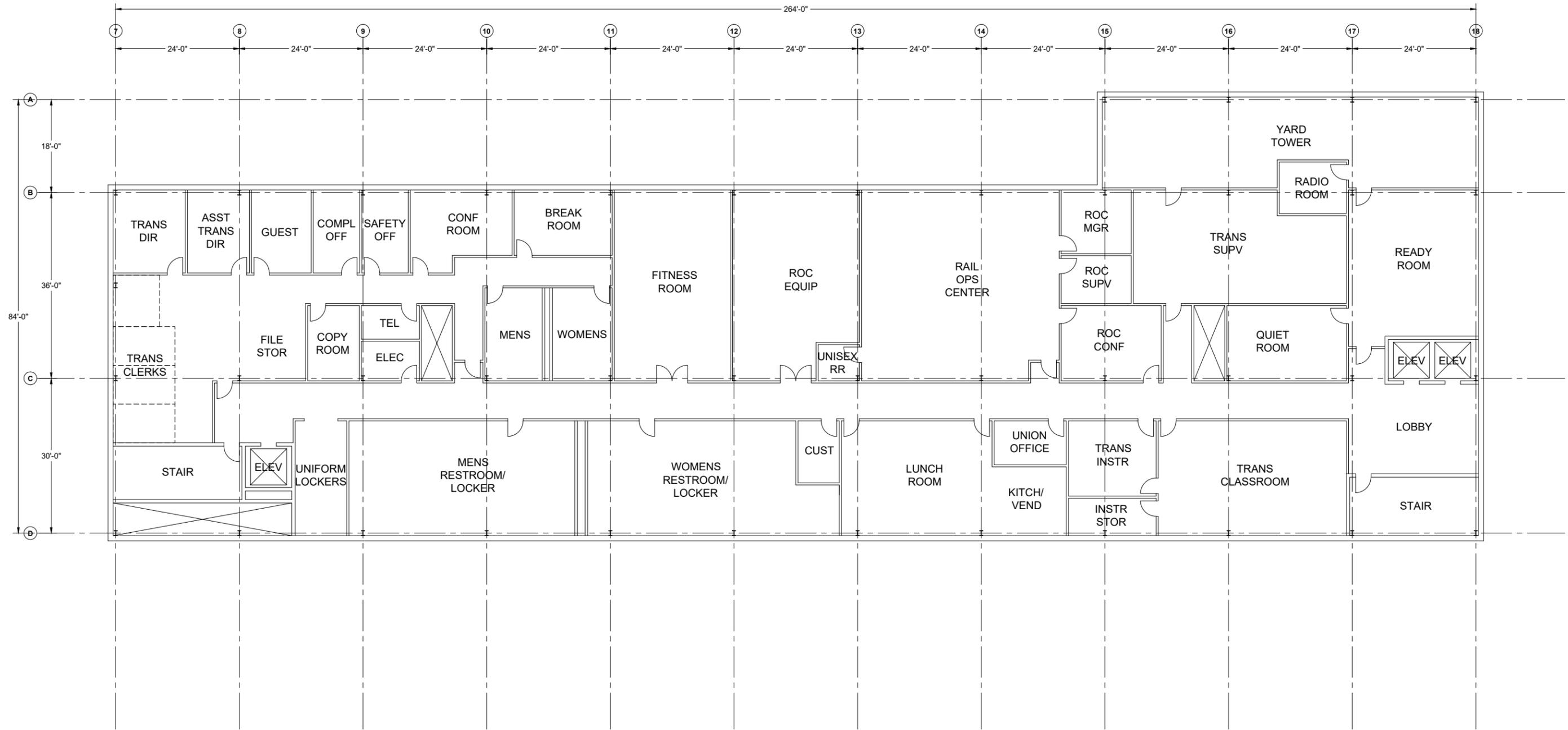
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APPROVED: \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
CONCEPTUAL LAYOUT  
BELLFLOWER  
MAIN SHOP - 2ND FLOOR

CONTRACT NO	AE5999300
DRAWING NO	T-B103
SCALE	1" = 10'
SHEET NO	8 OF 24



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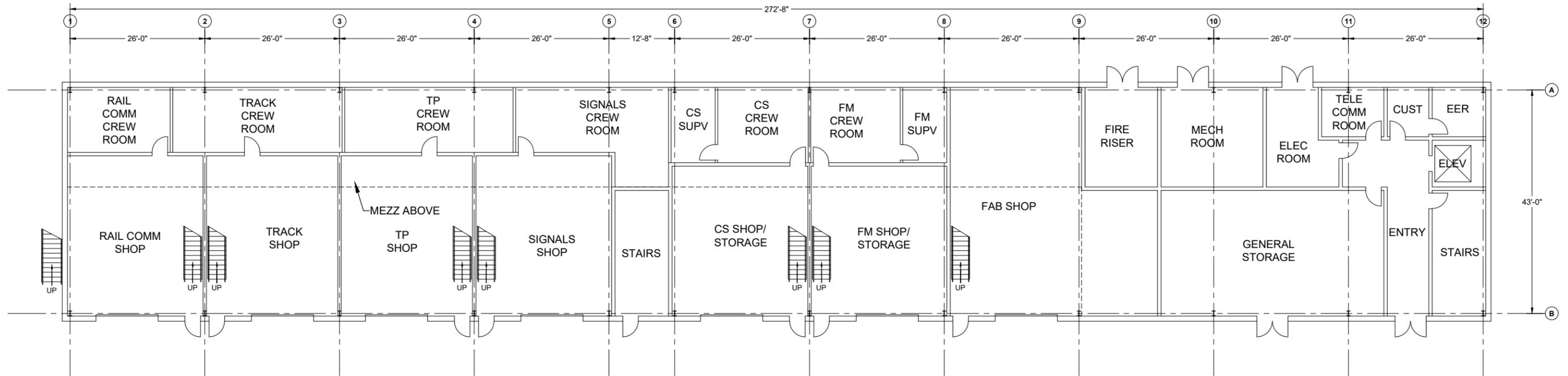
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WEST SANTA ANA BRANCH LRT  
CONCEPTUAL LAYOUT  
BELLFLOWER  
MAIN SHOP - 3RD FLOOR

CONTRACT NO AE5999300	
DRAWING NO T-B104	REV 0
SCALE 1" = 10'	
SHEET NO 9 OF 24	



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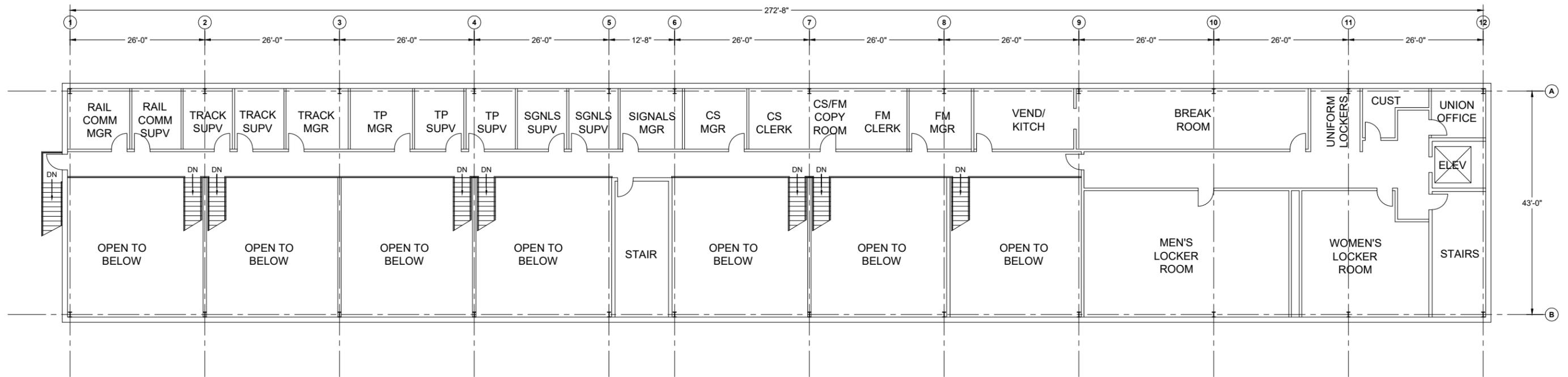
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WEST SANTA ANA BRANCH LRT  
CONCEPTUAL LAYOUT  
BELLFLOWER  
MOW BUILDING - 1ST FLOOR

CONTRACT NO AE5999300	
DRAWING NO T-B105	REV 0
SCALE 1" = 10'	
SHEET NO 10	OF 24



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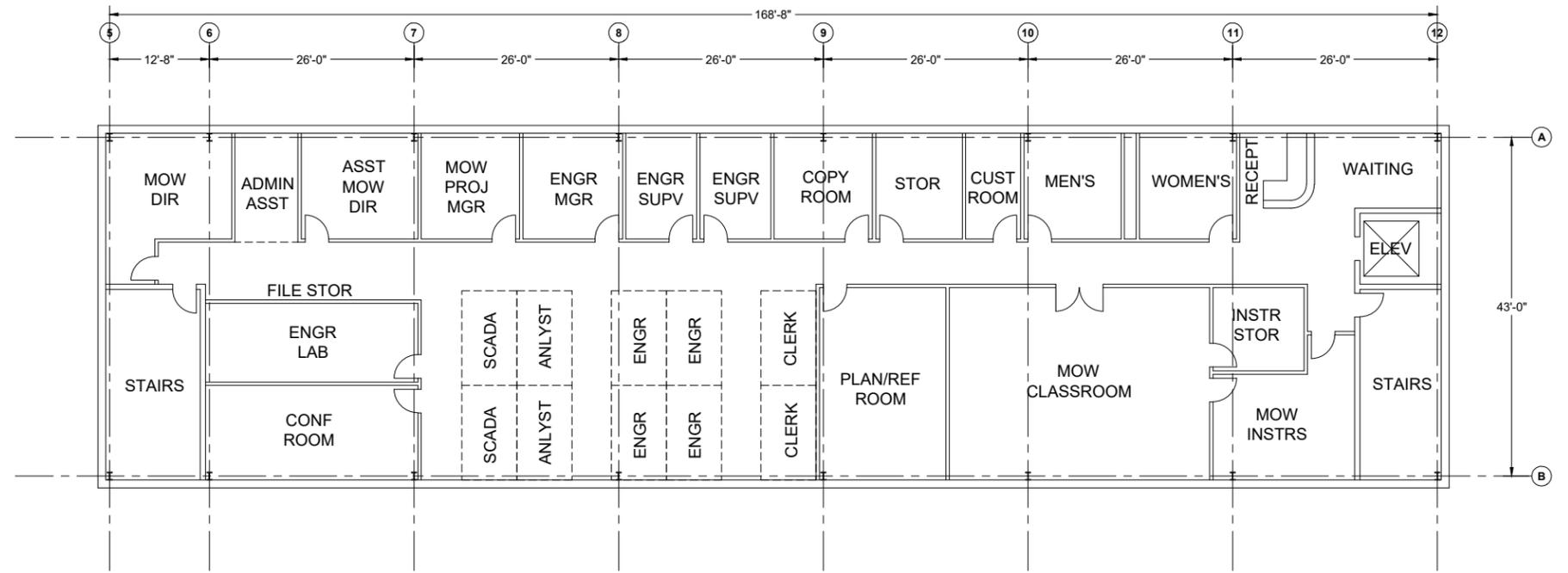


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WEST SANTA ANA BRANCH LRT  
CONCEPTUAL LAYOUT  
BELLFLOWER  
MOW BUILDING – MEZZANINE

CONTRACT NO AE5999300	
DRAWING NO T-B106	REV 0
SCALE 1" = 10'	
SHEET NO 11	OF 24



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DESIGNED BY	MG	DATE	5/3/2023	BY		DESCRIPTION
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CHECKED BY	MG	DATE		BY		DESCRIPTION
IN CHARGE	RL	DATE		BY		DESCRIPTION
DATE	5/3/2023	DATE		BY		DESCRIPTION
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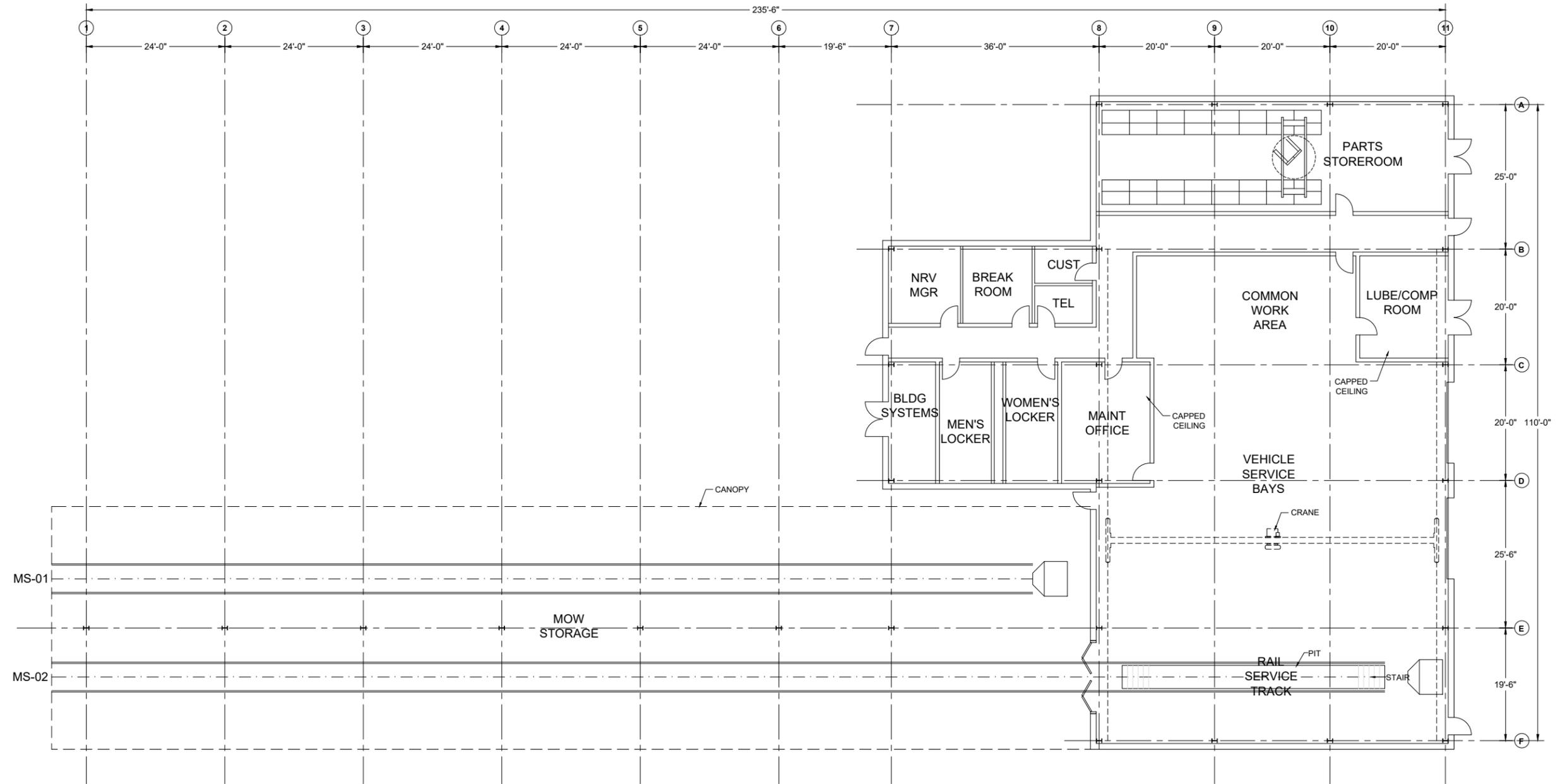
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CHECKED BY	MG
IN CHARGE	RL
DATE	5/3/2023

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**wsp** 515 South Figueroa Street  
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SUBMITTED: \_\_\_\_\_  
 APPROVED: \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
 CONCEPTUAL LAYOUT  
 BELLFLOWER  
 MOW BUILDING - 2ND FLOOR

CONTRACT NO	AE5999300
DRAWING NO	T-B107
SCALE	1" = 10'
SHEET NO	12 OF 24



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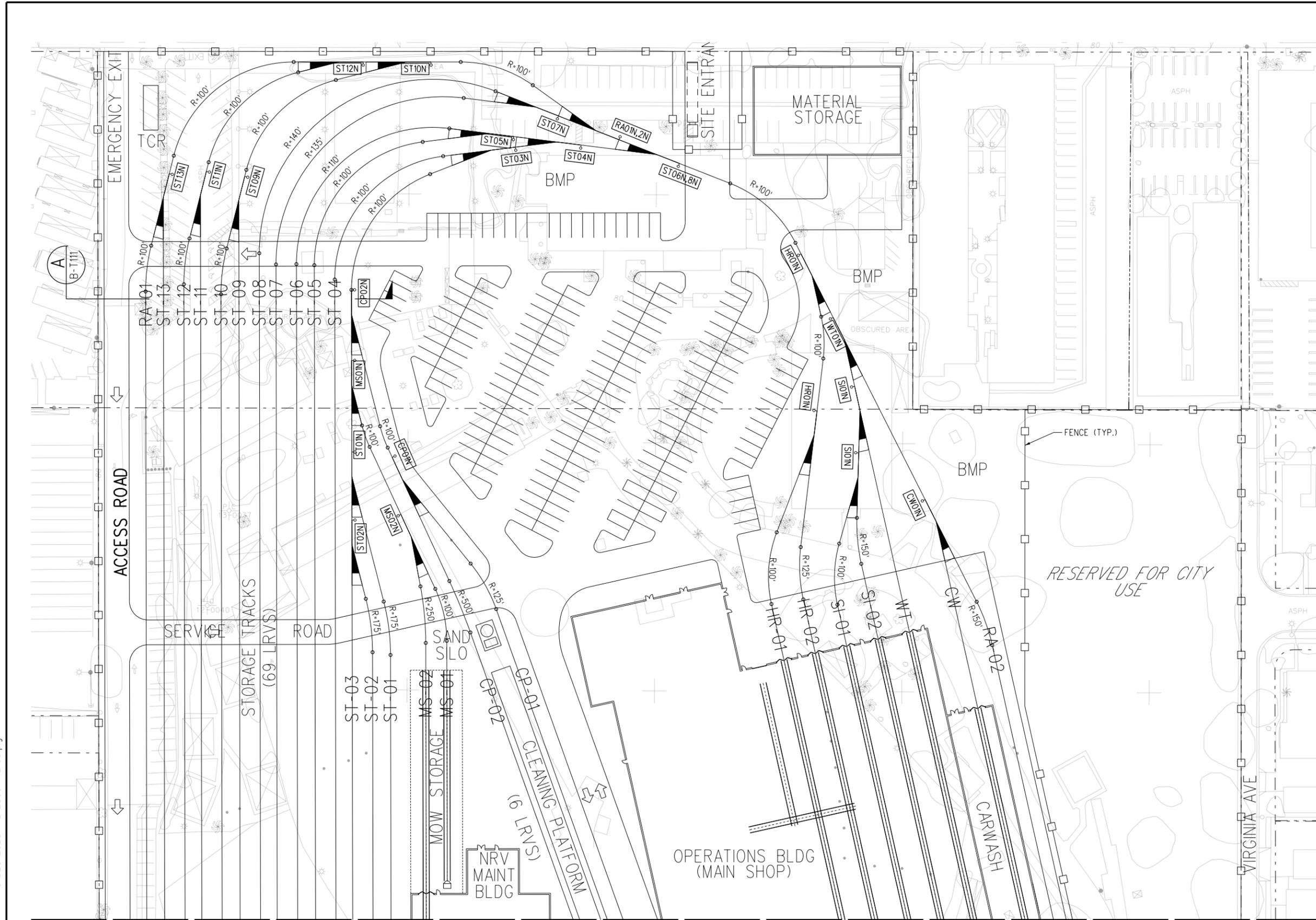
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WEST SANTA ANA BRANCH LRT  
CONCEPTUAL LAYOUT  
BELLFLOWER  
NRV BUILDING

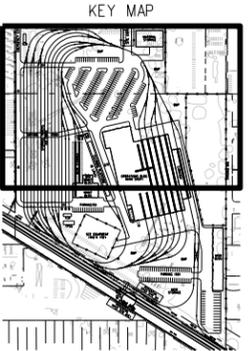
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SHEET NO 13	OF 24

15-DEC-2023 E-28091ATB109.plg

wsppw14-pw-svc 16:34



NOTES:  
 1. TURNOUT ARE 190' RADIUS UNLESS OTHERWISE NOTED



MATCH LINE SEE T-B110

NOT FOR CONSTRUCTION

REVISED FINAL MSF SUBMITTAL - 5/3/2023

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
2	5/3/2023						REVISED FINAL MSF SUBMITTAL

DESIGNED BY CL
DRAWN BY RL
CHECKED BY CL
IN CHARGE RL
DATE 5/3/2023

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

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

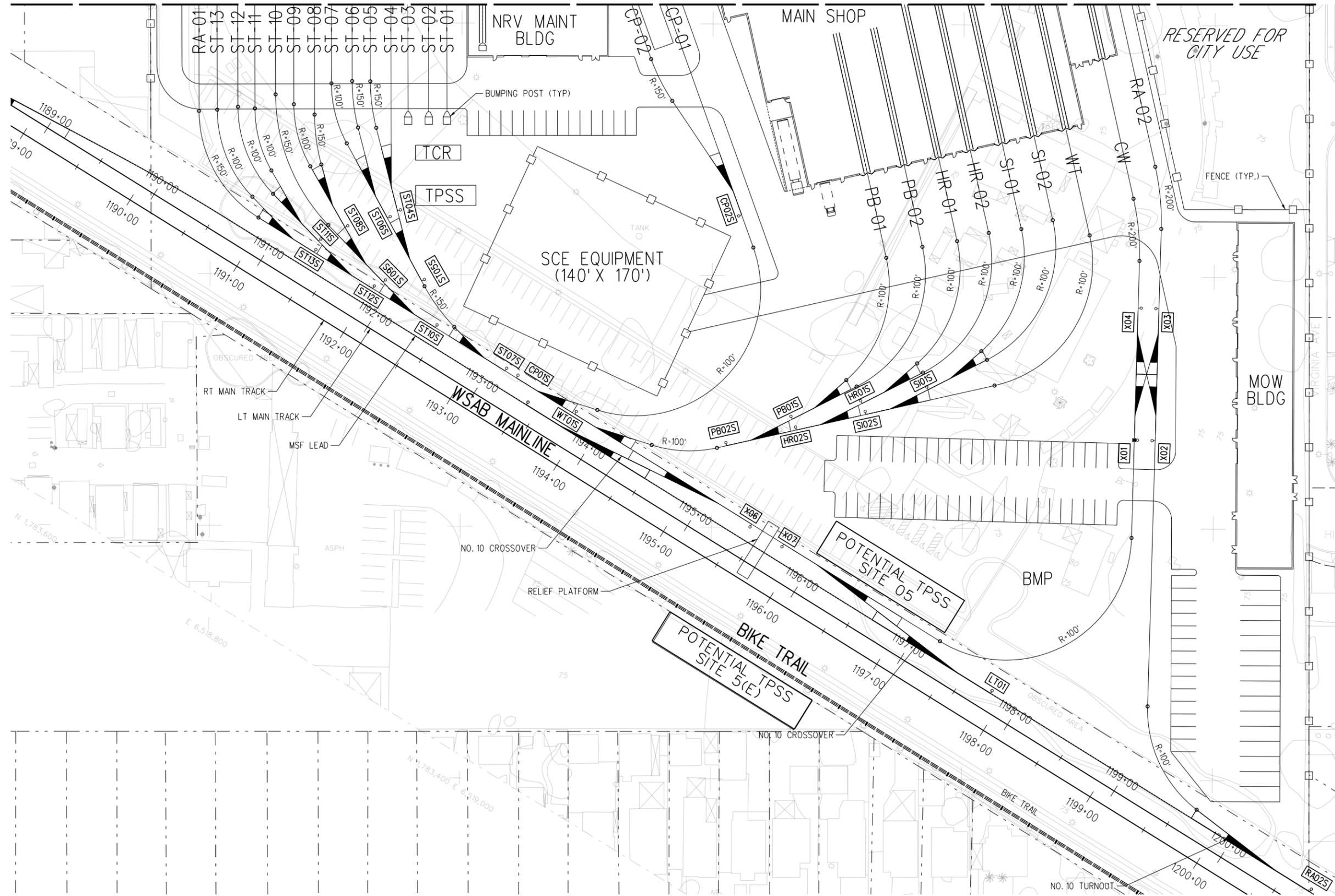
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT  
 YARD TRACK PLAN  
 BELLFLOWER YARD  
 PLAN

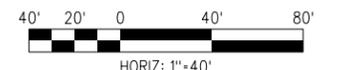
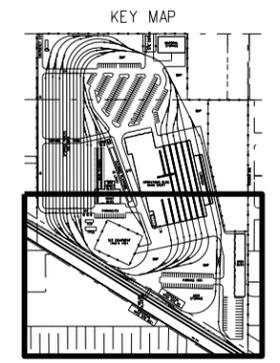
CONTRACT NO AE5999300	REV
DRAWING NO T-B109	
SCALE HOR: 1"=40'	
SHEET NO 14	OF 24

MATCH LINE SEE T-B109



**NOTES:**

- 1. TURNOUT ARE 190' RADIUS UNLESS OTHERWISE NOTED



PLAN

**NOT FOR CONSTRUCTION**

**REVISED FINAL MSF SUBMITTAL - 5/3/2023**

wspw14-pw-svc 16:34 15-DEC-2023 E-28091ATB110.plg

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.									
DESIGNED BY	CL	DATE	5/3/2023	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
DRAWN BY	RL								REVISED FINAL MSF SUBMITTAL
CHECKED BY	CL								
IN CHARGE	RL								
DATE	5/3/2023								

DESIGNED BY	CL
DRAWN BY	RL
CHECKED BY	CL
IN CHARGE	RL
DATE	5/3/2023



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**



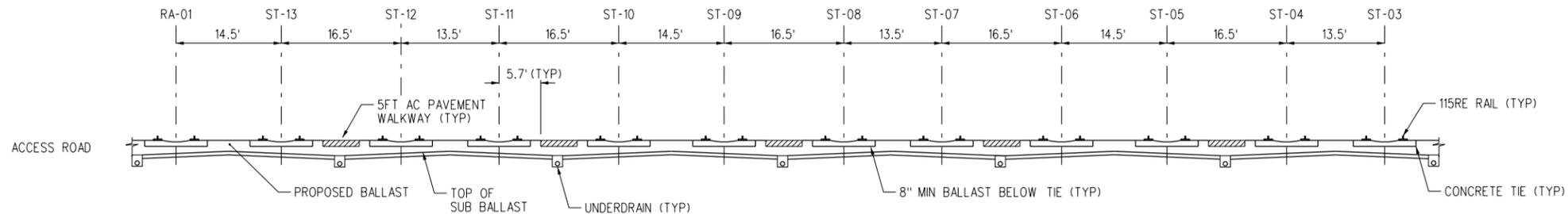
515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

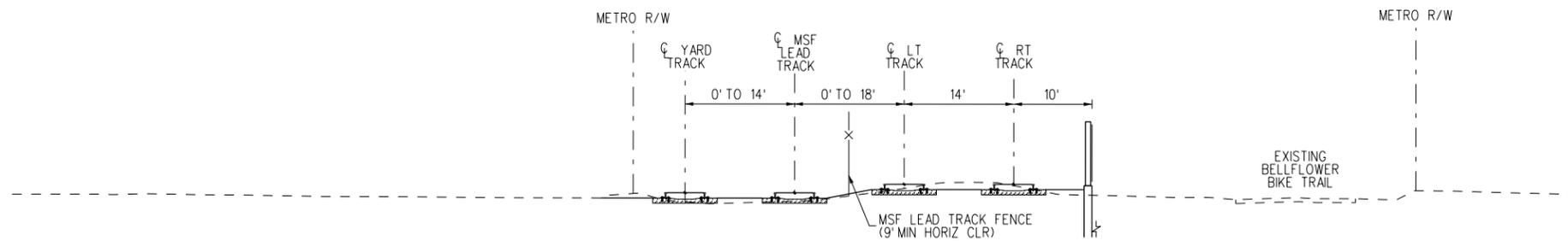
<b>WEST SANTA ANA BRANCH LRT YARD TRACK PLAN BELLFLOWER YARD PLAN</b>	
CONTRACT NO.	AE5999300
DRAWING NO.	T-B110
SCALE	HOR: 1"=40'
SHEET NO.	15 OF 24

15-DEC-2023 E-28091ATB111.plg  
 wspw14\_pw-svc 16:32



BELLFLOWER MAINTENANCE FACILITY  
 TYPICAL SECTION - A

LEGEND  
 ▨ AC PAVEMENT



BELLFLOWER MAINTENANCE FACILITY LEAD TRACK  
 TYPICAL SECTION - B

REVISED FINAL MSF SUBMITTAL - 5/3/2023

NOT FOR CONSTRUCTION

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION
2	5/3/2023					REVISED FINAL MSF SUBMITTAL
DESIGNED BY	CL	DRAWN BY	RL	CHECKED BY	CL	IN CHARGE
						RL
						DATE
						5/3/2023

DESIGNED BY	CL
DRAWN BY	RL
CHECKED BY	CL
IN CHARGE	RL
DATE	5/3/2023

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

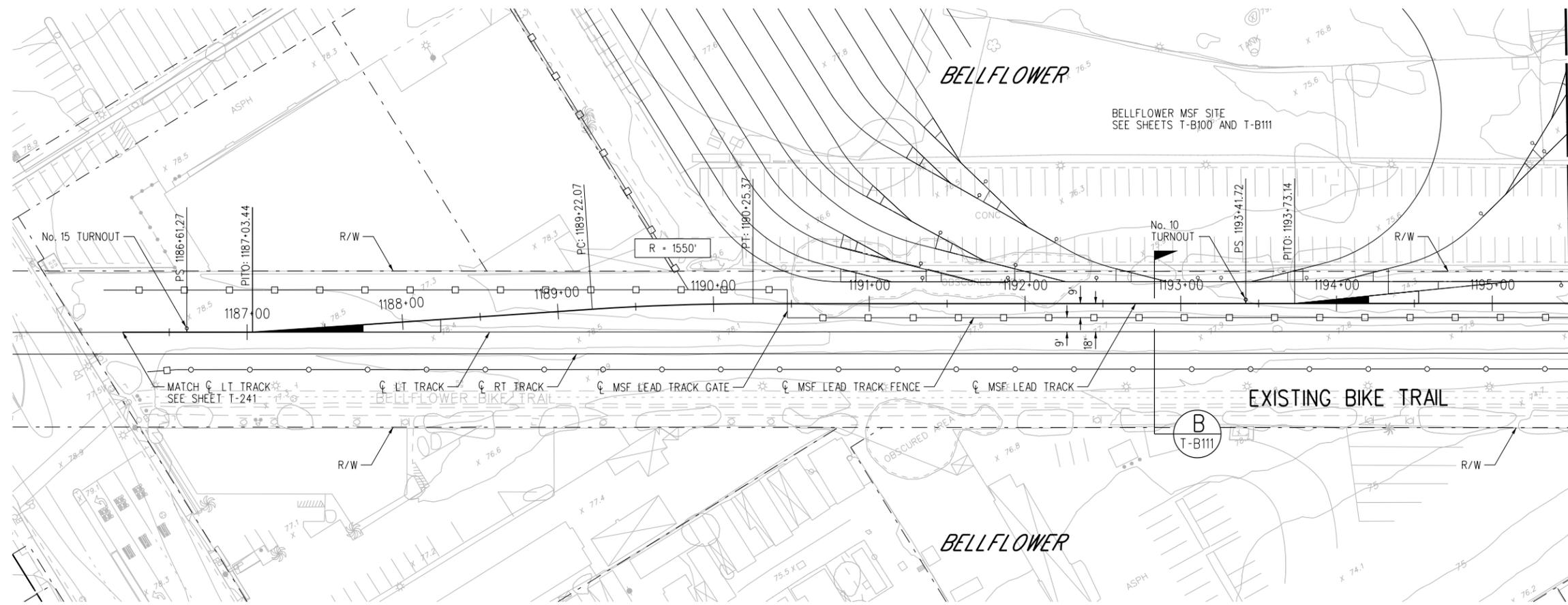
**wsp** 515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

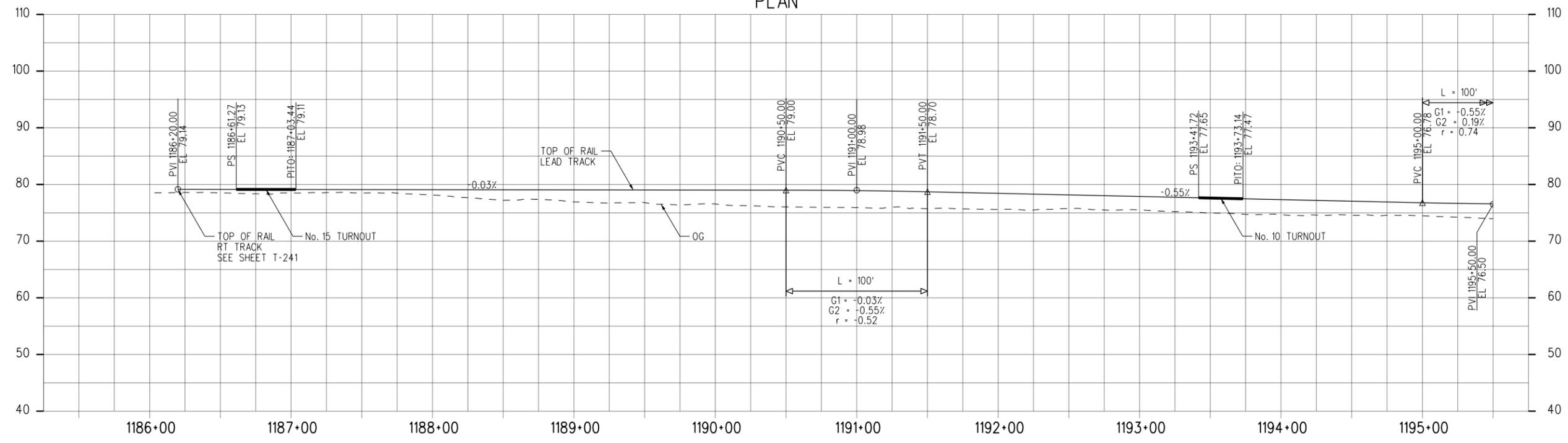
APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT YARD TYPICAL SECTION BELLFLOWER YARD PROFILE

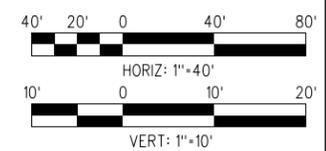
CONTRACT NO	AE5999300
DRAWING NO	T-B111
SCALE	
SHEET NO	16 OF 24



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATB112.plg 16:39 wspw14-pw-svc

**REVISED FINAL MSF SUBMITTAL - 5/3/2023**

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER
2	5/3/2023					
						REVISOR
						DESCRIPTION
						REVISED FINAL MSF SUBMITTAL

DESIGNED BY	CB
DRAWN BY	NM
CHECKED BY	RM
IN CHARGE	RL
DATE	5/3/2023



**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**



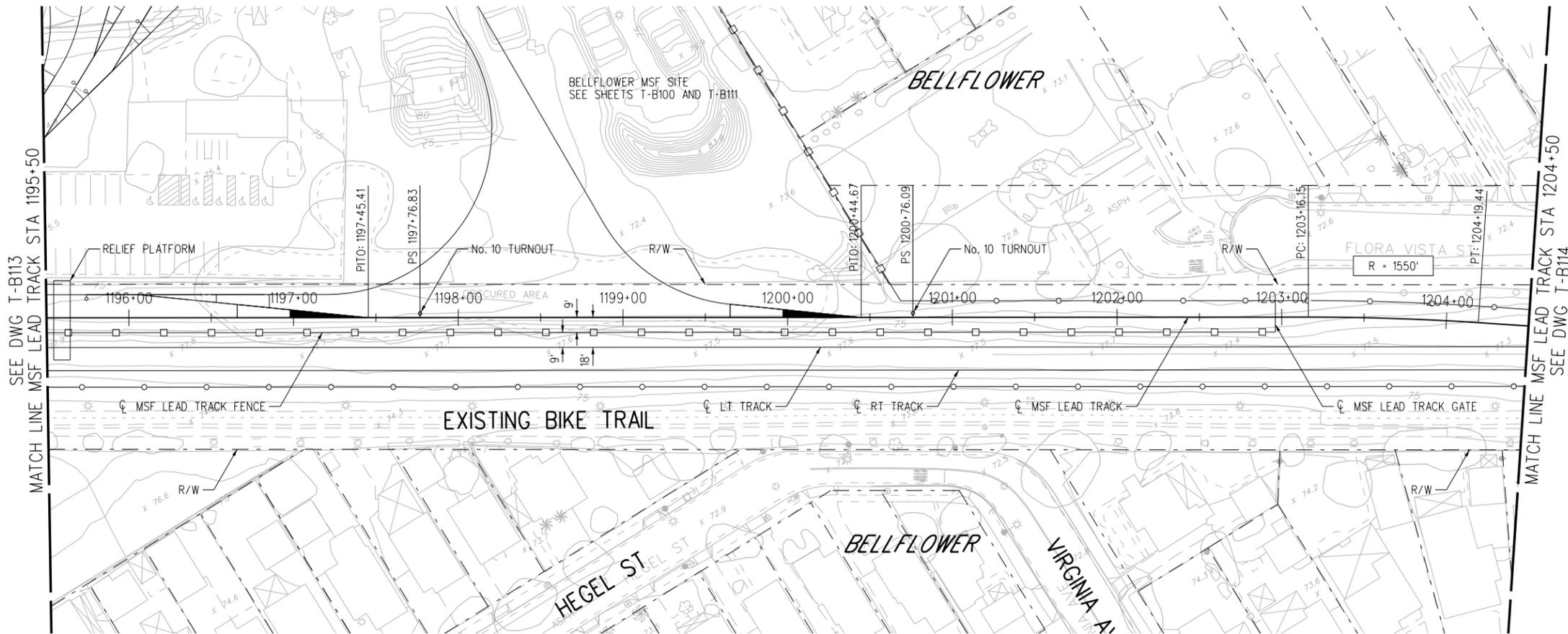
515 South Figueroa Street  
Suite 1400  
Los Angeles, CA 90071

SUBMITTED \_\_\_\_\_

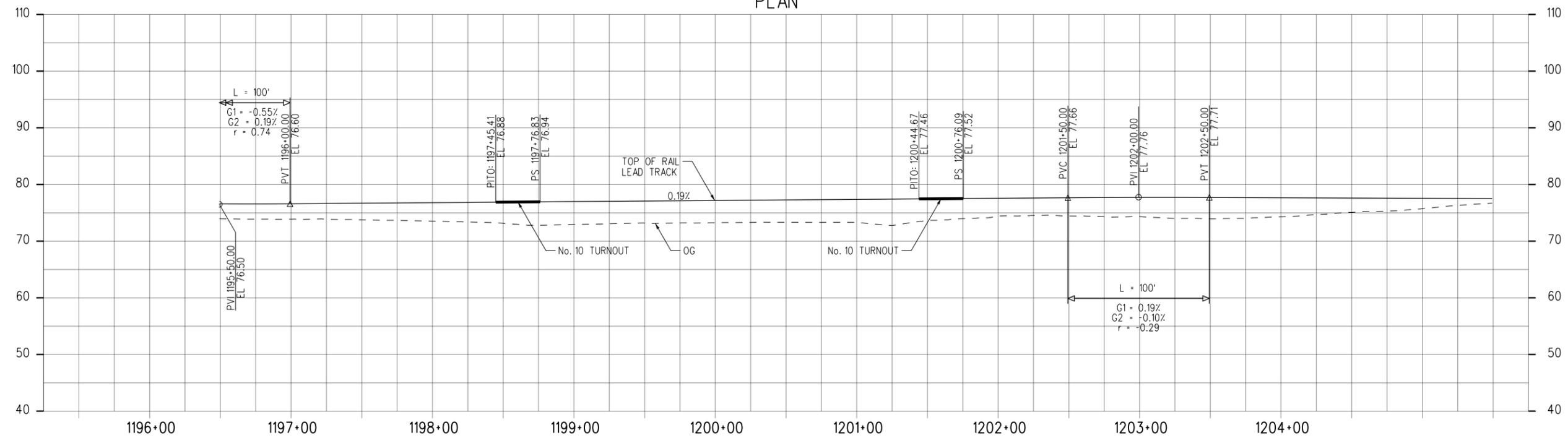
APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT MSF LEAD TRACKS BELLFLOWER YARD PLAN**

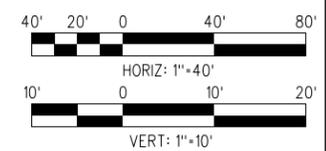
CONTRACT NO.		AE5999300
DRAWING NO.	T-B112	REV
SCALE	HOR: 1"=40' VERT: 1"=10'	
SHEET NO.	17	OF 24



PLAN



PROFILE



REVISED FINAL MSF SUBMITTAL - 5/3/2023

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.		DESIGNED BY CB
2	5/3/2023	DRAWN BY NM
REV	DATE	CHECKED BY RM
BY	APP	IN CHARGE RL
REG NO.	EXPIRES	DATE 5/3/2023
SEAL HOLDER	DESCRIPTION REVISED FINAL MSF SUBMITTAL	

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

SUBMITTED _____ APPROVED _____
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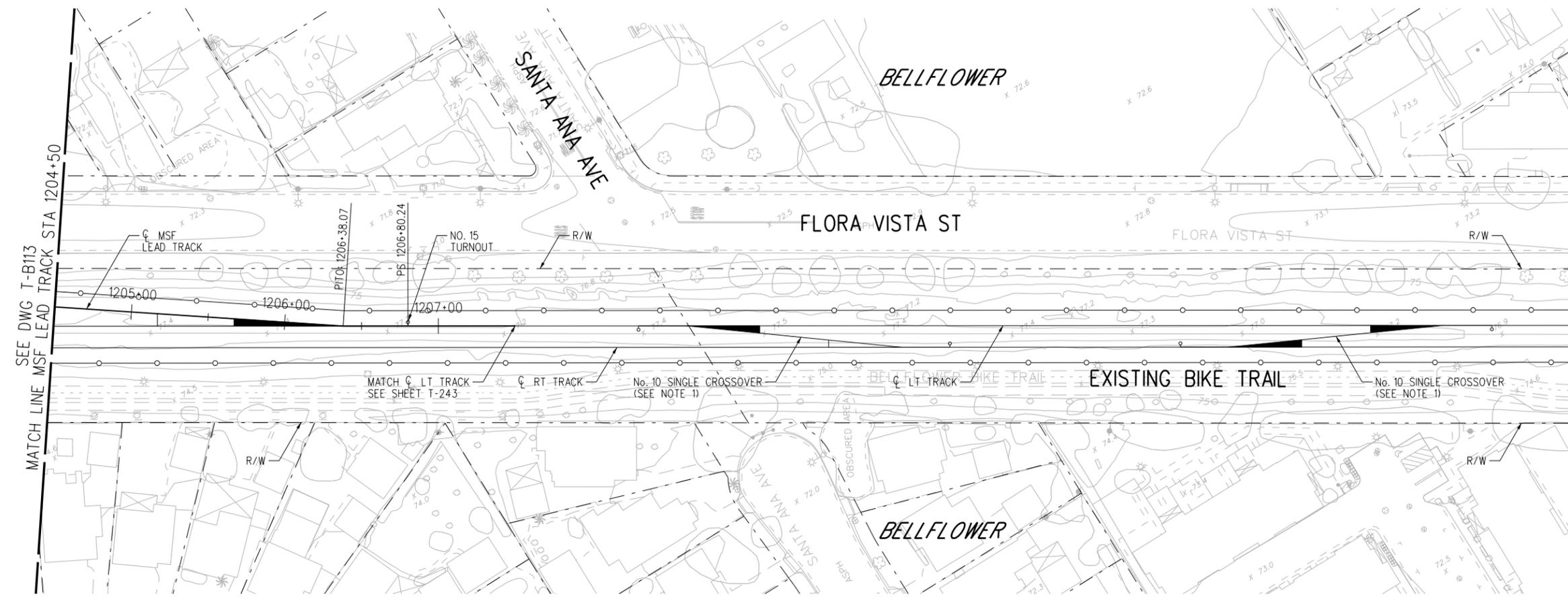
**WEST SANTA ANA BRANCH LRT**  
**MSF LEAD TRACKS**  
**BELLFLOWER YARD**  
**PLAN**

CONTRACT NO. <b>AE5999300</b>	REV
DRAWING NO. <b>T-B113</b>	
SCALE HOR: 1"=40' VERT: 1"=10'	
SHEET NO. 18	OF 24

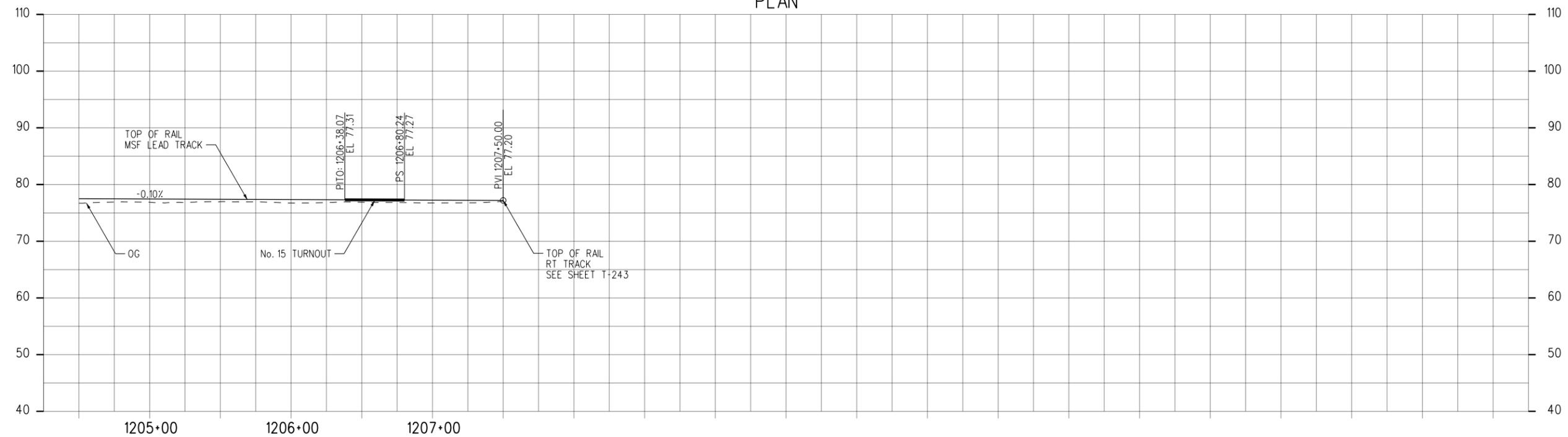
15-DEC-2023 E-28091ATB113.plg  
 wsppw14-pw-svc 16:39  
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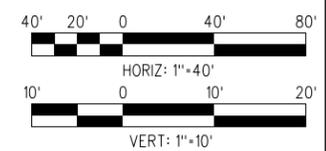
**NOTES:**  
 1. CROSSOVER LOCATION SHOWN WILL BE INCLUDED IN THE LRT TRACK DESIGN IF THIS BELLFLOWER SITE IS CHOSEN.



PLAN



PROFILE



**NOT FOR CONSTRUCTION**

15-DEC-2023 E-28091ATB114.plg

wsppw14-pw-svc 16:39

**REVISED FINAL MSF SUBMITTAL - 5/3/2023**

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAKES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO.	EXPIRES	DESCRIPTION
2	5/3/2023					REVISED FINAL MSF SUBMITTAL

DESIGNED BY CB
DRAWN BY NM
CHECKED BY RM
IN CHARGE RL
DATE 5/3/2023

SEAL HOLDER	
-------------	--

**Metro**  
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

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

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

**WEST SANTA ANA BRANCH LRT  
 MSF LEAD TRACKS  
 BELLFLOWER YARD  
 PLAN**

CONTRACT NO. <b>AE5999300</b>
DRAWING NO. <b>T-B114</b>
SCALE HOR: 1"=40' VERT: 1"=10'
SHEET NO. 19 OF 24

CP-01 TRACK GEOMETRY TABLE										
STATIONING DATA					CURVE DATA					
ITEM	DESC	BEARING	DISTANCE	STATION	NORTHING	EASTING	RADIUS (feet)	ANGLE (degrees)	L (feet)	T (feet)
CP01N 190' R	POB	S 25°05'29" E	19.75	10+00.00	1784387.60	6518987.25				
	PI	S 39°20'29" E	91.62	10+19.75	1784369.71	6518995.62				
	PC			11+07.10	1784302.16	6519051.00				
CP-01-1	PI		17.08	11+28.45	1784285.65	6519064.53	125	45°50'12"	42.30	21.35
	PT	S 19°57'17" E	424.17	11+49.39	1784265.58	6519071.82				
CP02S 190' R	PITO	S 19°57'17" E	19.74	15+73.56	1783866.88	6519216.58				
	PS	S 19°57'17" E	27.60	15+93.30	1783848.32	6519223.32				
CP-01-2	PC			16+20.90	1783822.38	6519232.73				
	PI			18+22.76	1783632.64	6519301.62	100	57°17'45"	222.17	201.86
CP01S 190' R	PI	N 72°39'43" W	50.07	18+43.07	1783692.79	6519108.94				
	POE	N 58°24'43" W	19.75	18+93.14	1783707.72	6519061.14				
				19+12.89	1783718.06	6519044.32				

CP-02 TRACK GEOMETRY TABLE										
STATIONING DATA					CURVE DATA					
ITEM	DESC	BEARING	DISTANCE	STATION	NORTHING	EASTING	RADIUS (feet)	ANGLE (degrees)	L (feet)	T (feet)
CP02N 190' R	POB	S 0°19'46" E	19.75	10+00.00	1784522.51	6518953.82				
	PI	S 14°34'46" E	93.12	10+19.75	1784502.76	6518953.94				
	PC			11+12.87	1784412.64	6518977.38				
CP-02-1	PI			11+22.07	1784403.73	6518979.69	100	57°17'45"	18.35	9.20
	PT	S 25°05'29" E	8.61	11+31.22	1784395.40	6518983.60				
CP01N 190' R	PS	S 25°05'29" E	19.75	11+39.83	1784387.60	6518987.25				
	PITO	S 25°05'29" E	90.18	11+59.58	1784369.71	6518995.62				
CP-02-2	PC			12+49.76	1784288.04	6519033.87				
	PI			12+72.19	1784267.73	6519043.38	500	11°27'33"	44.83	22.43
CP-02-3	PT	S 19°57'17" E	292.34	12+94.59	1784246.65	6519051.03				
	PC			15+86.93	1783971.86	6519150.80				
CP-02-3	PI			16+05.68	1783954.24	6519157.20	150	38°11'50"	37.31	18.75
	PT	S 34°12'16" E	86.88	16+24.23	1783938.73	6519167.74				
CP02S 190' R	PI	S 19°57'17" E	19.75	17+11.11	1783866.88	6519216.58				
	POE			17+30.86	1783848.32	6519223.32				

CW TRACK GEOMETRY TABLE										
STATIONING DATA					CURVE DATA					
ITEM	DESC	BEARING	DISTANCE	STATION	NORTHING	EASTING	RADIUS (feet)	ANGLE (degrees)	L (feet)	T (feet)
X01 190' R	POB	N 1°25'21" E	19.76	10+00.00	1783670.48	6519536.89				
	PC	N 1°25'21" E	65.49	10+19.76	1783690.23	6519537.38				
X02 190' R	PITO	N 1°25'21" E	19.76	10+85.25	1783755.70	6519539.01				
	PS	N 1°25'21" E	37.50	11+05.00	1783775.45	6519539.50				
CW-1	PC			11+42.50	1783812.94	6519540.43				
	PI			11+67.50	1783837.93	6519541.05	200	28°38'52"	49.75	25.00
	PT	N 12°49'46" W	487.51	11+92.25	1783862.31	6519535.50				
CW01N 190' R	PI	N 27°04'46" W	19.75	16+79.76	1784337.65	6519427.25				
	POE			16+99.51	1784355.24	6519418.26				

HR-01 TRACK GEOMETRY TABLE										
STATIONING DATA					CURVE DATA					
ITEM	DESC	BEARING	DISTANCE	STATION	NORTHING	EASTING	RADIUS (feet)	ANGLE (degrees)	L (feet)	T (feet)
HR01S 190' R	POB	N 62°55'14" E	19.75	10+00.00	1783698.73	6519319.81				
	PI	N 48°40'14" E	34.93	10+19.75	1783707.72	6519337.40				
HR-01-1	PC			10+54.68	1783730.79	6519363.63				
	PI			11+14.18	1783770.08	6519408.30	100	57°17'45"	107.34	59.49
	PT	N 12°49'46" W	453.71	11+62.02	1783828.09	6519395.09				
HR-01-2	PC			16+15.73	1784270.48	6519294.35				
	PI			16+46.03	1784300.01	6519287.62	100	57°17'45"	58.83	30.29
HR01N 190' R	PT	N 20°52'35" E	83.98	16+74.56	1784328.32	6519298.41				
	PI	N 6°37'35" E	19.75	17+58.54	1784406.79	6519328.34				
	POE			17+78.29	1784426.40	6519330.62				

HR-02 TRACK GEOMETRY TABLE										
STATIONING DATA					CURVE DATA					
ITEM	DESC	BEARING	DISTANCE	STATION	NORTHING	EASTING	RADIUS (feet)	ANGLE (degrees)	L (feet)	T (feet)
HR02S 190' R	POB	N 77°10'14" E	19.75	9+99.99	1783677.44	6519267.49				
	PI	N 62°55'14" E	91.55	10+19.75	1783681.83	6519286.75				
HR01S 190' R	PS	N 62°55'14" E	19.75	10+56.88	1783698.73	6519319.81				
	PITO	N 62°55'14" E	34.66	10+76.63	1783707.72	6519337.40				
HR-02-1	PC			11+11.30	1783723.50	6519368.26				
	PI			11+89.08	1783758.91	6519437.51	100	57°17'45"	132.21	77.78
	PT	N 12°49'46" W	450.82	12+43.51	1783834.75	6519420.24				
HR-02-2	PC			16+94.33	1784274.31	6519320.14				
	PI			17+15.76	1784295.21	6519315.38	125	45°50'12"	42.45	21.43
HR01N 190' R	PT	N 6°37'35" E	102.68	17+36.77	1784316.49	6519317.85				
	PITO	N 6°37'35" E	20.46	18+39.45	1784418.49	6519329.70				
HR-02-3	PS	N 6°37'35" E	30.00	18+59.91	1784438.81	6519332.06				
	PC			18+89.92	1784468.61	6519335.52				
HR02N 190' R	PI			19+07.06	1784485.64	6519337.50	100	57°17'45"	33.96	17.14
	PT	N 12°49'46" W	33.79	19+23.87	1784502.36	6519333.70				
	PI	N 12°49'46" W	19.75	19+57.66	1784535.30	6519326.19				
	POE			19+77.41	1784552.89	6519317.20				

MS-01 TRACK GEOMETRY TABLE										
STATIONING DATA					CURVE DATA					
ITEM	DESC	BEARING	DISTANCE	STATION	NORTHING	EASTING	RADIUS (feet)	ANGLE (degrees)	L (feet)	T (feet)
MS01N 190' R	POB	S 0°19'54" E	19.75	10+00.00	1784465.63	6518954.15				
	PI	S 14°34'46" E	33.79	10+19.75	1784445.88	6518954.27				
MS-01-1	PC			10+53.54	1784413.18	6518962.77				
	PI			10+62.74	1784404.27	6518965.09	100	57°17'45"	18.35	9.20
	PT	S 25°05'29" E	60.09	10+71.89	1784395.94	6518968.99				
MS02N 190' R	PS	S 25°05'29" E	19.76	11+31.98	1784341.79	6518995.05				
	PITO	S 25°05'29" E	46.39	11+51.74	1784323.90	6519003.43				
MS-01-2	PC			11+98.12	1784281.62	6519022.52				
	PI			12+20.07	1784261.74	6519031.83	100	57°17'45"	43.22	21.95
	PT	S 0°19'46" E	193.68	12+41.33	1784239.79	6519031.95				
	POE			14+35.01	1784046.12	6519033.07				

MS-02 TRACK GEOMETRY TABLE										
STATIONING DATA					CURVE DATA					
ITEM	DESC	BEARING	DISTANCE	STATION	NORTHING	EASTING	RADIUS (feet)	ANGLE (degrees)	L (feet)	T (feet)
MS02N 190' R	POB	S 25°05'29" E	19.75	9+99.98	1784341.52	6518994.47				
	PI	S 10°50'28" E	47.61	10+19.75	1784323.63	6519002.85				
MS-02-1	PC			10+60.04	1784283.65	6519010.50				
	PI			10+83.44	1784261.06	6519014.83	250	22°55'06"	45.87	23.00
	PT	S 0°19'46" E	254.04	11+06.31	1784238.06	6519014.96				
	POE			13+60.35	1783984.02	6519016.42				

PB-01 TRACK GEOMETRY TABLE										
STATIONING DATA					CURVE DATA					
ITEM	DESC	BEARING	DISTANCE	STATION	NORTHING	EASTING	RADIUS (feet)	ANGLE (degrees)	L (feet)	T (feet)
PB01S 190' R	POB	N 62°55'14" E	19.75	10+00.00	1783686.10	6519264.35				
	PI	N 48°40'14" E	33.66	10+19.75	1783695.09	6519281.94				
PB-01-1	PC			10+53.41	1783717.32	6519307.21				
	PI			11+12.90	1783756.61	6519351.89	100	57°17'45"	107.34	59.49
	PT	N 12°49'47" W	182.95	11+60.75	1783814.62	6519338.68				
	POE			13+43.70	1783993.00	6519298.05				

NOT FOR CONSTRUCTION

REVISED FINAL MSF SUBMITTAL - 5/3/2023

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DESIGNED BY	CL						
DRAWN BY	SJ						
CHECKED BY	CL						
IN CHARGE	RL						
DATE	5/3/2023						
REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
2	5/3/2023						REVISED FINAL MSF SUBMITTAL

DESIGNED BY	CL
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	5/3/2023



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

515 South Figueroa Street Suite 1400 Los Angeles, CA 90071

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

WEST SANTA ANA BRANCH LRT YARD TRACK GEOMETRY TABLES BELLFLOWER YARD

CONTRACT NO.	AE5999300
DRAWING NO.	T-B115
SCALE	NO SCALE
SHEET NO.	20 OF 24





ST-07 TRACK GEOMETRY TABLE										
STATIONING DATA							CURVE DATA			
ITEM	DESC	BEARING	DISTANCE	STATION	NORTHING	EASTING	RADIUS (feet)	ANGLE (degrees)	L (feet)	T (feet)
ST07S 190' R	POB	N 58°24'43" W	19.75	9+97.85	1783723.60	6519035.31				
	PI	N 44°09'43" W	37.50	10+17.60	1783733.95	6519018.48				
ST-07-1	PC			10+51.73	1783758.44	6518994.70	150	38°11'50"	40.14	20.19
	PI			10+71.92	1783772.92	6518980.63				
	PT	N 28°49'46" W	4.79	10+91.87	1783790.61	6518970.90				
ST05S 190' R	PS	N 28°49'46" W	19.75	10+96.66	1783794.80	6518968.59				
	PITO	N 28°49'46" W	37.13	11+16.41	1783812.10	6518959.07				
ST06S 190' R	PS	N 28°49'46" W	19.75	11+53.54	1783844.63	6518941.16				
	PITO	N 28°49'46" W	47.99	11+73.29	1783861.93	6518931.64				
ST-07-2	PC			12+21.27	1783903.97	6518908.50	100	57°17'45"	49.74	25.40
	PI			12+46.67	1783926.22	6518896.25				
	PT	N 0°19'46" W	591.18	12+71.01	1783951.61	6518896.11				
ST-07-3	PC			18+62.20	1784542.79	6518892.71	135	42°26'29"	229.14	153.26
	PI			20+15.46	1784696.05	6518891.83				
	PT	S 83°04'46" E	58.71	20+91.34	1784677.58	6519043.97				
ST07N 190' R	PI	N 68°49'46" E	19.75	21+50.05	1784670.51	6519102.25				
	POE			21+69.80	1784663.37	6519120.67				

ST-08 TRACK GEOMETRY TABLE										
STATIONING DATA							CURVE DATA			
ITEM	DESC	BEARING	DISTANCE	STATION	NORTHING	EASTING	RADIUS (feet)	ANGLE (degrees)	L (feet)	T (feet)
ST08S 190' R	POB	N 29°54'43" W	19.75	9+98.16	1783837.25	6518907.34				
	PI	N 15°39'43" W	40.70	10+17.91	1783854.37	6518897.49				
ST-08-1	PC			10+51.88	1783887.08	6518888.32	150	38°11'50"	40.14	20.19
	PI			10+72.07	1783906.52	6518882.87				
	PT	N 0°19'46" W	631.78	10+92.02	1783926.71	6518882.75				
ST-08-2	PC			17+17.07	1784551.75	6518879.16	140	40°55'32"	272.45	205.62
	PI			19+22.69	1784757.37	6518877.97				
	PT	N 68°49'46" E	34.89	19+89.52	1784683.11	6519069.71				
ST07N 190' R	PITO	N 68°49'46" E	19.75	20+24.41	1784670.51	6519102.25				
	PS	N 68°49'46" E	105.00	20+44.16	1784662.68	6519120.40				
RA01N 190' R	PITO	N 68°49'46" E	19.75	20+76.91	1784651.55	6519151.21				
	PS	N 68°49'46" E		20+96.66	1784644.41	6519169.63				
	POE			21+49.16	1784625.45	6519218.58				

ST-09 TRACK GEOMETRY TABLE										
STATIONING DATA							CURVE DATA			
ITEM	DESC	BEARING	DISTANCE	STATION	NORTHING	EASTING	RADIUS (feet)	ANGLE (degrees)	L (feet)	T (feet)
ST09S 190' R	POB	N 44°09'43" W	19.75	10+00.00	1783793.80	6518937.95				
	PI	N 29°56'42" W	33.79	10+19.75	1783807.96	6518924.19				
ST08S 190' R	PS	N 29°54'43" W	19.76	10+53.54	1783837.62	6518907.97				
	PITO	N 29°54'43" W	36.03	10+73.30	1783854.35	6518897.46				
ST-09-1	PC			11+09.32	1783885.60	6518879.52	100	57°17'45"	51.63	26.40
	PI			11+35.72	1783908.49	6518866.36				
	PT	N 0°19'46" W	659.58	11+60.95	1783934.89	6518866.20				
ST09N 190' R	PI	N 13°55'14" E	19.75	18+20.53	1784594.46	6518862.41				
	POE			18+40.28	1784613.63	6518867.16				

ST-10 TRACK GEOMETRY TABLE										
STATIONING DATA							CURVE DATA			
ITEM	DESC	BEARING	DISTANCE	STATION	NORTHING	EASTING	RADIUS (feet)	ANGLE (degrees)	L (feet)	T (feet)
ST10S 190' R	POB	N 58°24'43" W	19.75	9+98.12	1783757.82	6518979.67				
	PI	N 44°09'43" W	35.74	10+17.87	1783768.16	6518962.84				
ST09S 190' R	PS	N 44°09'43" W	19.76	10+53.61	1783794.33	6518938.49				
	PITO	N 44°09'43" W	43.27	10+73.37	1783807.96	6518924.19				
ST-10-1	PC			11+16.62	1783839.00	6518894.05	150	38°11'50"	114.75	60.35
	PI			11+76.96	1783882.29	6518852.01				
	PT	N 0°19'46" W	582.15	12+31.37	1783942.64	6518851.66				
ST-10-2	PC			18+07.27	1784518.53	6518848.35	150	38°11'50"	37.31	18.75
	PI			18+26.02	1784537.28	6518848.24				
ST09N 190' R	PT	N 13°55'14" E	40.16	18+44.58	1784555.48	6518852.75				
	PITO	N 52°43'39" E	19.76	18+84.74	1784594.46	6518862.41				
ST-10-3	PS	N 52°43'39" E	5.53	19+04.50	1784613.45	6518867.89	100	57°17'45"	107.53	59.62
	PC			19+09.97	1784618.95	6518868.48				
	PI			19+69.59	1784676.82	6518882.82				
ST10N 190' R	PT	N 75°31'49" E	58.96	20+17.49	1784691.72	6518940.56				
	PI	N 89°46'49" E	19.75	20+76.45	1784706.45	6518997.64				
	POE			20+96.20	1784706.52	6519017.39				

ST-11 TRACK GEOMETRY TABLE										
STATIONING DATA							CURVE DATA			
ITEM	DESC	BEARING	DISTANCE	STATION	NORTHING	EASTING	RADIUS (feet)	ANGLE (degrees)	L (feet)	T (feet)
ST11S 190' R	POB	N 44°09'43" W	19.75	9+99.88	1783826.14	6518886.38				
	PI	N 29°54'43" W	48.28	10+19.63	1783840.31	6518872.62				
ST-11-1	PC			10+67.91	1783882.16	6518848.54	100	57°17'45"	51.63	26.40
	PI			10+94.32	1783905.04	6518835.37				
	PT	N 0°19'46" W	667.03	11+19.55	1783931.45	6518835.22				
ST11N 190' R	PI	N 13°55'14" E	19.75	17+86.57	1784598.46	6518831.39				
	POE			18+06.32	1784617.63	6518836.14				

ST-12 TRACK GEOMETRY TABLE										
STATIONING DATA							CURVE DATA			
ITEM	DESC	BEARING	DISTANCE	STATION	NORTHING	EASTING	RADIUS (feet)	ANGLE (degrees)	L (feet)	T (feet)
ST12S 190' R	POB	N 58°24'43" W	19.75	9+99.98	1783788.59	6518929.62				
	PI	N 44°09'43" W	38.03	10+19.73	1783798.94	6518912.80				
ST11S 190' R	PS		19.76	10+57.76	1783827.05	6518887.15				
	PITO		32.39	10+77.52	1783840.69	6518872.85				
ST-12-1	PC			11+09.92	1783863.62	6518849.98	100	57°17'45"	76.50	40.23
	PI			11+50.15	1783892.48	6518821.95				
	PT	N 0°19'46" W	593.78	11+86.42	1783932.71	6518821.72				
ST-12-2	PC			17+80.17	1784526.48	6518818.30	150	38°11'50"	37.31	18.75
	PI			17+98.92	1784545.23	6518818.19				
	PT	N 13°55'14" E	36.09	18+17.48	1784563.43	6518822.70				
ST11N 190' R	PITO		19.76	18+53.57	1784598.46	6518831.39				
	PS		138.18	18+73.33	1784617.45	6518836.87				
ST-12-3	PC			18+80.93	1784625.01	6518837.97	100	57°17'45"	107.53	59.62
	PI			19+40.55	1784682.89	6518852.31				
	PT	N 75°31'49" E	33.79	19+88.46	1784697.78	6518910.04				
ST12N 190' R	PI	N 89°45'00" E	19.79	20+22.25	1784706.23	6518942.76				
	POE			20+42.04	1784706.31	6518962.55				

REVISED FINAL MSF SUBMITTAL - 5/3/2023

DESIGNED BY	CL
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	5/3/2023

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
2	5/3/2023						REVISED FINAL MSF SUBMITTAL

DESIGNED BY	CL
DRAWN BY	SJ
CHECKED BY	CL
IN CHARGE	RL
DATE	5/3/2023

**M** LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**Metro**

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

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

WEST SANTA ANA BRANCH LRT YARD TRACK GEOMETRY TABLES BELLFLOWER YARD

CONTRACT NO. AE5999300

DRAWING NO. T-B118

SCALE: NO SCALE

SHEET NO. 23 OF 24

NOT FOR CONSTRUCTION

15-DEC-2023 E-28091ATB118.plg

15-DEC-2023 E-28091ATB19.plg

ST-13 TRACK GEOMETRY TABLE										
STATIONING DATA							CURVE DATA			
ITEM	DESC	BEARING	DISTANCE	STATION	NORTHING	EASTING	RADIUS (feet)	ANGLE (degrees)	L (feet)	T (feet)
ST13S 190' R	POB	N 58°24'43" W	19.75	10+00.00	1783817.32	6518882.90				
	PI	N 44°09'43" W	47.03	10+19.75	1783827.66	6518866.08				
ST-13-1	PC			10+66.53	1783861.76	6518833.53				
	PI			11+06.76	1783890.63	6518805.46	100	57°17'45"	76.50	40.23
	PT	N 0°19'46" W	666.22	11+43.03	1783930.89	6518805.23				
ST13N 190	PI	N 13°55'14" E	19.75	18+09.25	1784596.53	6518801.40				
	POE			18+29.00	1784615.70	6518806.15				

WT TRACK GEOMETRY TABLE										
STATIONING DATA							CURVE DATA			
ITEM	DESC	BEARING	DISTANCE	STATION	NORTHING	EASTING	RADIUS (feet)	ANGLE (degrees)	L (feet)	T (feet)
WT01S 190' R	POB	S 58°24'43" E	19.75	9+97.58	1783689.39	6519090.94				
	PI	S 72°39'43" E	46.75	10+17.33	1783679.05	6519107.76				
WT-1	PC			10+64.08	1783665.12	6519152.38				
	PI			10+91.03	1783657.09	6519178.11	100	57°17'45"	52.65	26.95
	PT	N 77°10'14" E	7.84	11+16.73	1783663.07	6519204.39				
PB02S 190' R	PS	N 77°10'14" E	19.76	11+24.57	1783665.55	6519211.87				
	PITO	N 77°10'14" E	37.14	11+44.33	1783669.20	6519231.29				
HR02S 190' R	PS	N 77°10'14" E	19.76	11+81.47	1783678.18	6519267.33				
	PITO	N 77°10'14" E	37.14	12+01.23	1783681.83	6519286.75				
SI02S 190' R	PS	N 77°10'14" E	19.76	12+38.37	1783690.81	6519322.79				
	PITO	N 77°10'14" E	85.24	12+58.13	1783694.46	6519342.21				
WT-2	PC			13+43.31	1783713.38	6519425.32				
	PI			14+43.31	1783735.59	6519522.82	100	57°17'45"	157.08	100.00
	PT	N 12°49'46" W	667.72	15+00.39	1783833.09	6519500.62				
SI02N 190' R	PITO	N 12°49'46" W	19.76	21+09.58	1784427.07	6519365.35				
	PS	N 12°49'46" W	38.80	21+29.34	1784446.16	6519360.23				
WT01N 190' R	PI	N 27°04'46" W	19.75	21+68.12	1784484.15	6519352.35				
	PS			21+87.87	1784501.73	6519343.36				

**REVISED FINAL MSF SUBMITTAL - 5/3/2023**

**NOT FOR CONSTRUCTION**

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

REV	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
2	5/3/2023						REVISED FINAL MSF SUBMITTAL

DESIGNED BY CL
DRAWN BY SJ
CHECKED BY CL
IN CHARGE RL
DATE 5/3/2023

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

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

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**WEST SANTA ANA BRANCH LRT YARD TRACK GEOMETRY TABLES BELLFLOWER YARD**

CONTRACT NO <b>AE5999300</b>	
DRAWING NO <b>T-B119</b>	REV
SCALE <b>NO SCALE</b>	
SHEET NO <b>24 OF 24</b>	