



San Joaquin  
Joint Powers Authority



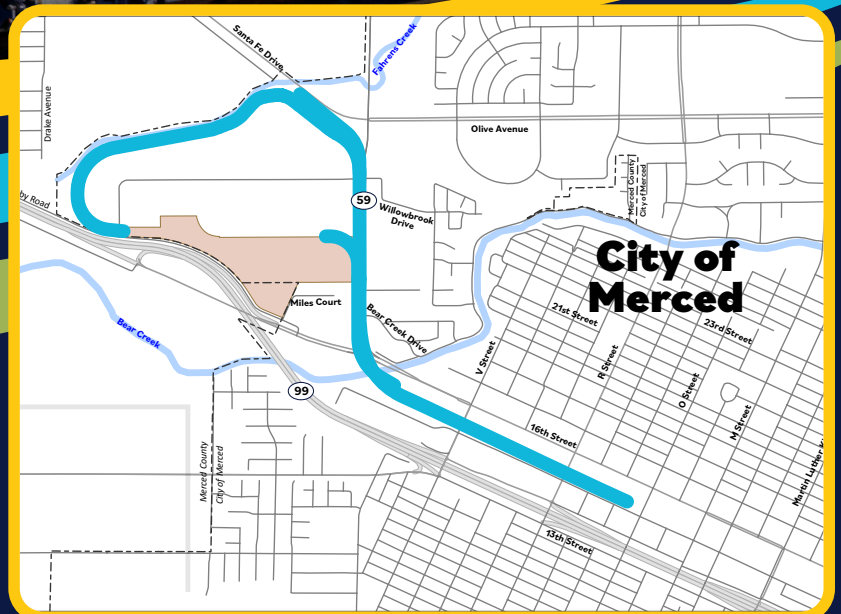
**MITC**  
Merced Intermodal Track Connection

# Appendix 2.0-2:

## Merced Intermodal Track Connection 15% Preliminary Engineering Plans

July 2024

SCH # 2023010061

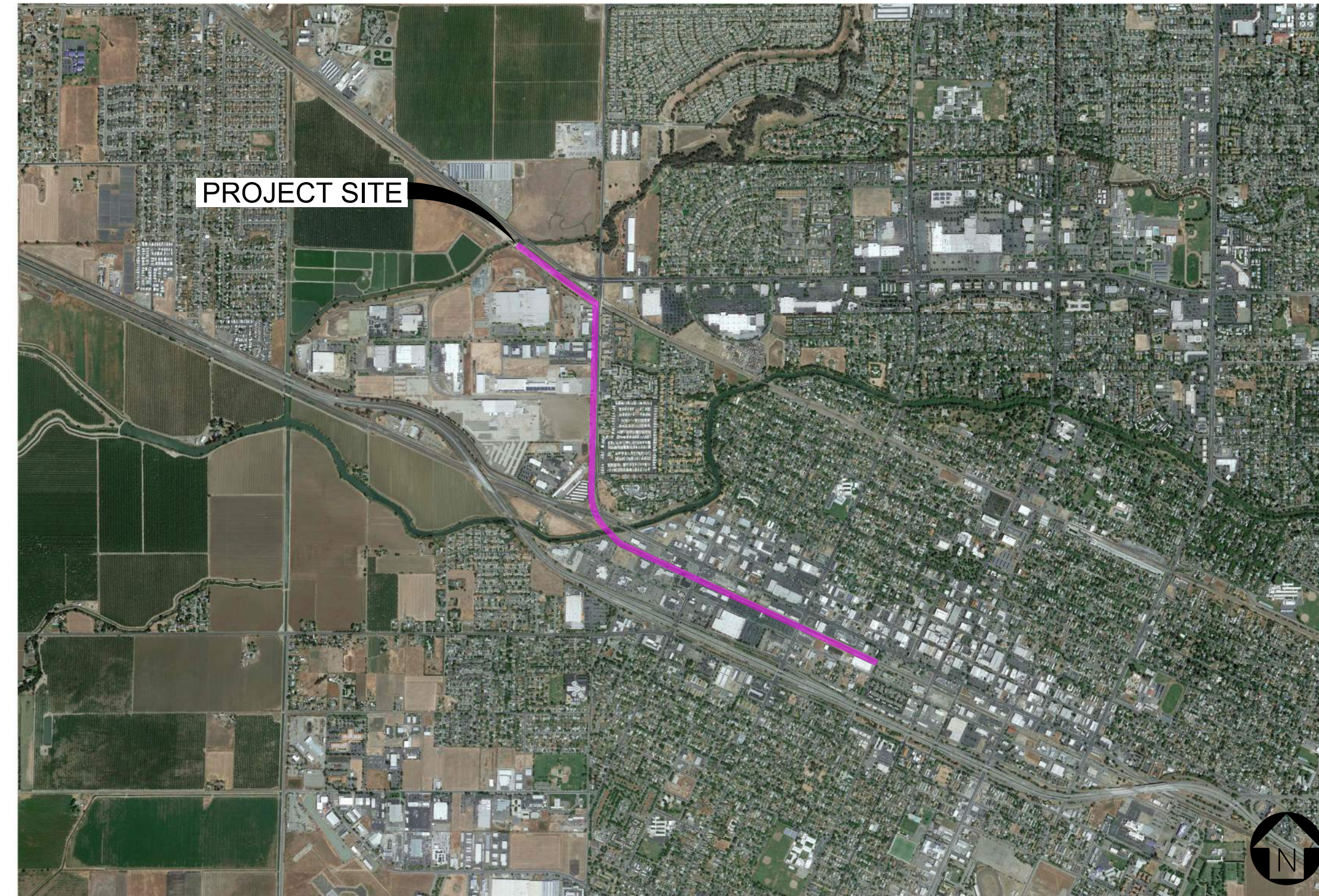


# SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION

MERCED, CALIFORNIA







VICINITY MAP  
SCALE: N.T.S.



LOCATION MAP  
SCALE: N.T.S.

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SUBCONSULTANT:		 383 4th Street, Set 201 Oakland, CA 94607 T: 925.400.4356 www.jmacivil.com		 2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com		PROFESSIONAL SEAL:	DRAFT NOT FOR CONSTRUCTION  2/2/2024	REVISIONS: <table border="1"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td></td> <td>2/2/2024</td> <td>15% SUBMITTAL</td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION		2/2/2024	15% SUBMITTAL		SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION MERCED, CA	SHEET TITLE:  COVER SHEET	
MARK	DATE	DESCRIPTION																
	2/2/2024	15% SUBMITTAL																
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IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

SHEET	SHEET NO.	SHEET TITLE LINE 1	SHEET TITLE LINE 2	SHEET TITLE LINE 3
<b>GENERAL DRAWINGS</b>				
1	G-001	COVER SHEET		
2	G-002	INDEX OF SHEETS		
<b>PLAN AND PROFILE</b>				
3	CT-100	KEY MAP MITC TRACK PLAN		
4	CT-101	MITC TRACK	PLAN AND PROFILE	
5	CT-102	MITC TRACK	PLAN AND PROFILE	
6	CT-103	MITC TRACK	PLAN AND PROFILE	
7	CT-104	MITC TRACK	PLAN AND PROFILE	
8	CT-105	MITC TRACK	PLAN AND PROFILE	
9	CT-106	MITC TRACK	PLAN AND PROFILE	
10	CT-120	KEY MAP MITC YARD TRACKS		
11	CT-121	MITC YARD TRACK PLAN		
12	CT-122	MITC YARD TRACK PLAN		
13	CT-123	MITC YARD TRACK PLAN		
14	CT-124	MITC YARD TRACK PLAN		
15	CT-125	MITC YARD TRACK PLAN		
16	CT-126	MITC YARD TRACK PLAN		
<b>AT-GRADE CROSSINGS</b>				
17	CT-700	KEY MAP INDEX	AT-GRADE CROSSINGS	
18	CT-701	16TH STREET	AT-GRADE CROSSING LAYOUT	
19	CT-702	16TH STREET	STRIPING AND SIGNAGE PLAN	
20	CT-711	COOPER AVENUE	SOUTH LOCATION	AT-GRADE CROSSING LAYOUT
21	CT-712	COOPER AVENUE	SOUTH LOCATION	STRIPING AND SIGNAGE PLAN
22	CT-721	COOPER AVENUE	EAST LOCATION	AT-GRADE CROSSING LAYOUT
23	CT-722	COOPER AVENUE	EAST LOCATION	STRIPING AND SIGNAGE PLAN
<b>PLAN</b>				
24	CP-100	KEY MAP MITC	PLAN	
25	CP-127	MITC YARD TRACK	PLAN	
<b>TEMPORARY CONSTRUCTION AREA PLAN</b>				
26	CC-100	KEY MAP MITC	TEMPORARY CONSTRUCTION AREA	
27	CC-101	MITC TRACK	TEMPORARY CONSTRUCTION	AREA PLAN
28	CC-102	MITC TRACK	TEMPORARY CONSTRUCTION	AREA PLAN
29	CC-103	MITC TRACK	TEMPORARY CONSTRUCTION	AREA PLAN
30	CC-104	MITC TRACK	TEMPORARY CONSTRUCTION	AREA PLAN
31	CC-105	MITC TRACK	TEMPORARY CONSTRUCTION	AREA PLAN
32	CC-106	MITC TRACK	TEMPORARY CONSTRUCTION	AREA PLAN
33	CC-107	MITC TRACK	TEMPORARY CONSTRUCTION	AREA PLAN
<b>EXISTING UTILITIES</b>				
34	CU-100	KEY MAP MITC	EXISTING UTILITIES	
35	CU-100A	MITC TRACK	EXISTING UTILITIES	GENERAL NOTES AND LEGEND
36	CU-101	MITC TRACK	EXISTING UTILITIES	
37	CU-102	MITC TRACK	EXISTING UTILITIES	
38	CU-103	MITC TRACK	EXISTING UTILITIES	
39	CU-121	MITC YARD TRACK	EXISTING UTILITIES	
40	CU-122	MITC YARD TRACK	EXISTING UTILITIES	
41	CU-123	MITC YARD TRACK	EXISTING UTILITIES	
42	CU-124	MITC YARD TRACK	EXISTING UTILITIES	
43	CU-125	MITC YARD TRACK	EXISTING UTILITIES	
44	CU-126	MITC YARD TRACK	EXISTING UTILITIES	
45	CU-127	MITC YARD TRACK	EXISTING UTILITIES	

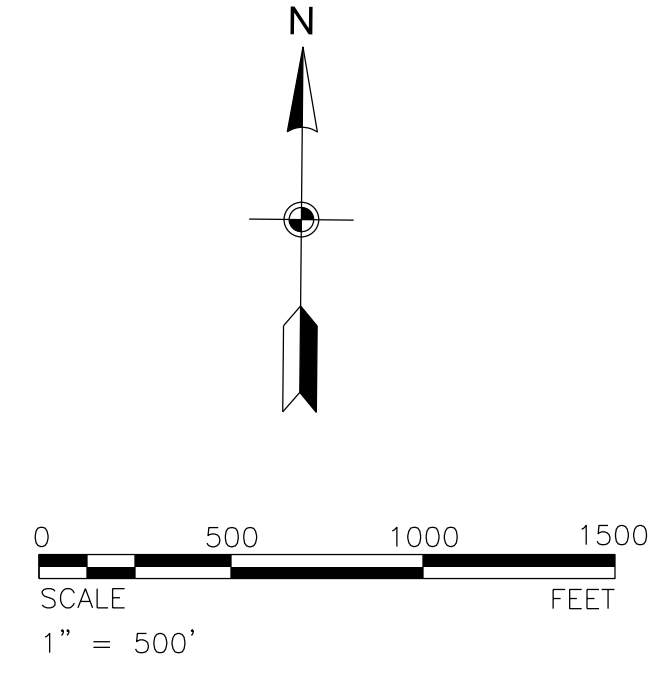
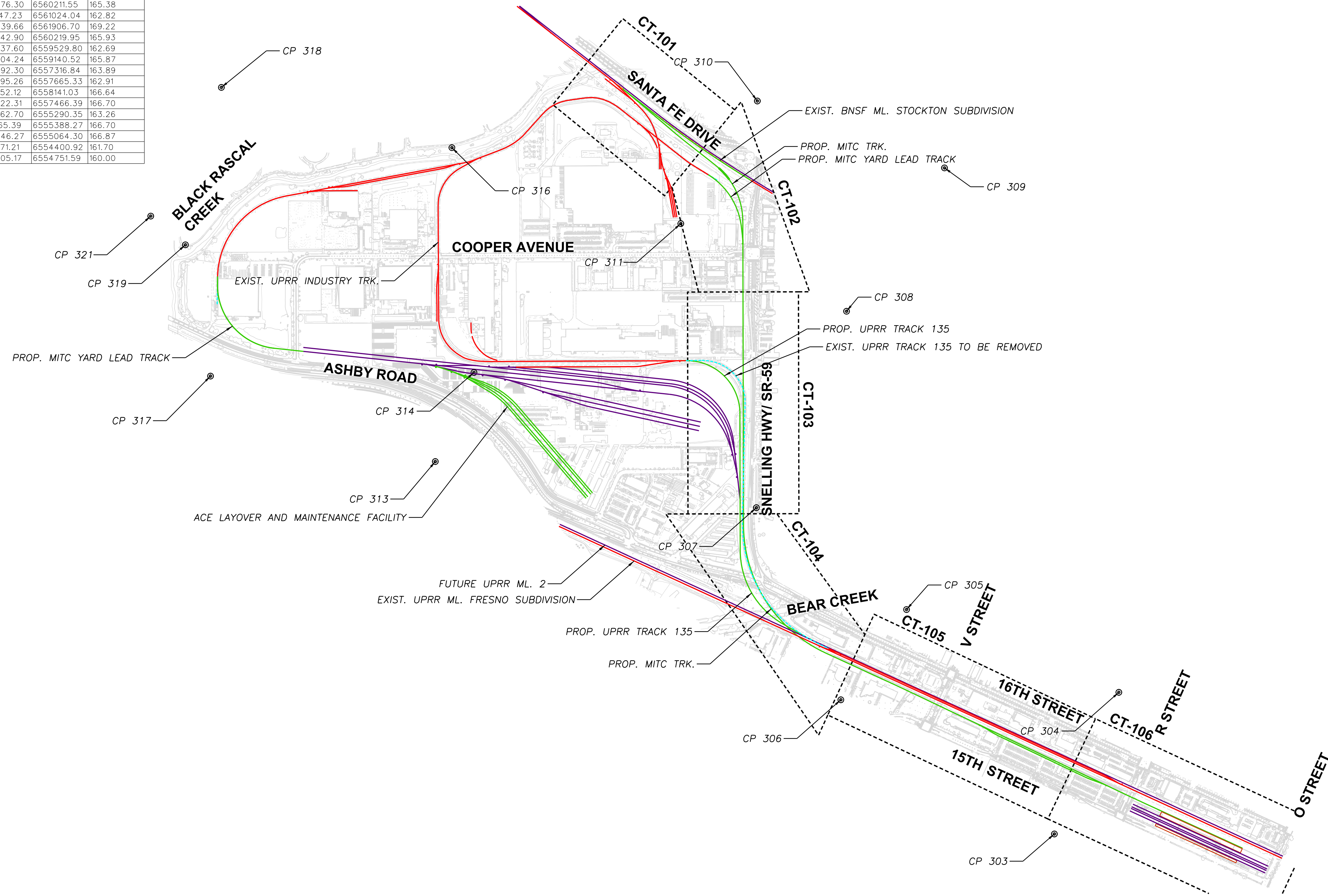
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<b>STRUCTURAL</b>				
46	ST-100	STRUCTURAL	MITC VIADUCT	GENERAL PLAN
47	ST-101	STRUCTURAL	MITC VIADUCT	STRUCTURE PLAN - SHEET 1 OF 13
48	ST-102	STRUCTURAL	MITC VIADUCT	STRUCTURE PLAN - SHEET 2 OF 13
49	ST-103	STRUCTURAL	MITC VIADUCT	STRUCTURE PLAN - SHEET 3 OF 13
50	ST-104	STRUCTURAL	MITC VIADUCT	STRUCTURE PLAN - SHEET 4 OF 13
51	ST-105	STRUCTURAL	MITC VIADUCT	STRUCTURE PLAN - SHEET 5 OF 13
52	ST-106	STRUCTURAL	MITC VIADUCT	STRUCTURE PLAN - SHEET 6 OF 13
53	ST-107	STRUCTURAL	MITC VIADUCT	STRUCTURE PLAN - SHEET 7 OF 13
54	ST-108	STRUCTURAL	MITC VIADUCT	STRUCTURE PLAN - SHEET 8 OF 13
55	ST-109	STRUCTURAL	MITC VIADUCT	STRUCTURE PLAN - SHEET 9 OF 13
56	ST-110	STRUCTURAL	MITC VIADUCT	STRUCTURE PLAN - SHEET 10 OF 13
57	ST-111	STRUCTURAL	MITC VIADUCT	STRUCTURE PLAN - SHEET 11 OF 13
58	ST-112	STRUCTURAL	MITC VIADUCT	STRUCTURE PLAN - SHEET 12 OF 13
59	ST-113	STRUCTURAL	MITC VIADUCT	STRUCTURE PLAN - SHEET 13 OF 13
60	ST-114	STRUCTURAL	MITC VIADUCT	TYPICAL SECTIONS - SHEET 1 OF 2
61	ST-115	STRUCTURAL	MITC VIADUCT	TYPICAL SECTIONS - SHEET 2 OF 2
62	ST-200	STRUCTURAL	BEAR CREEK BRIDGE (REPLACEMENT)	GENERAL PLAN
<b>RIGHT-OF-WAY</b>				
63	RW-100	KEY MAP MITC	RIGHT-OF-WAY PLAN	
64	RW-101	MITC TRACK	RIGHT-OF-WAY PLAN	
65	RW-102	MITC TRACK	RIGHT-OF-WAY PLAN	
66	RW-103	MITC TRACK	RIGHT-OF-WAY PLAN	
67	RW-104	MITC YARD TRACK	RIGHT-OF-WAY PLAN	
68	RW-105	MITC YARD TRACK	RIGHT-OF-WAY PLAN	
69	RW-106	MITC YARD TRACK	RIGHT-OF-WAY PLAN	

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**CONTROL POINTS**

CONTROL POINT NO.	NORTHING	EASTING	ELEVATION
301	1932841.98	6565218.67	167.70
302	1931588.19	6564615.81	165.11
303	1932434.63	6562897.63	164.03
304	1933711.69	6563478.55	165.59
305	1934457.98	6561564.56	168.76
306	1933644.27	6560972.64	165.31
307	1935376.30	6560211.55	165.38
308	1937147.23	6561024.04	162.82
309	1938439.66	6561906.70	169.22
310	1939042.90	6560219.95	165.93
311	1937937.60	6559529.80	162.69
312	1935004.24	6559140.52	165.87
313	1935792.30	6557316.84	163.89
314	1936595.26	6557665.33	162.91
315	1939952.12	6558141.03	166.64
316	1938622.31	6557466.39	166.70
317	1936562.70	6555290.35	163.26
318	1939165.39	6555388.27	166.70
319	1937746.27	6555064.30	166.87
320	1936971.21	6554400.92	161.70
321	1938005.17	6554751.59	160.00



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SUBCONSULTANT:

**JMA CIVIL**  
 383 4th Street, Set 201  
 Oakland, CA 94607  
 T: 925.400.4356  
 www.jmacivil.com

**AECOM**  
 2020 L Street, Suite 300  
 Sacramento, CA 95811  
 T 916-414-5800  
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PROFESSIONAL SEAL:

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 CONSTRUCTION**  
 2/2/2024

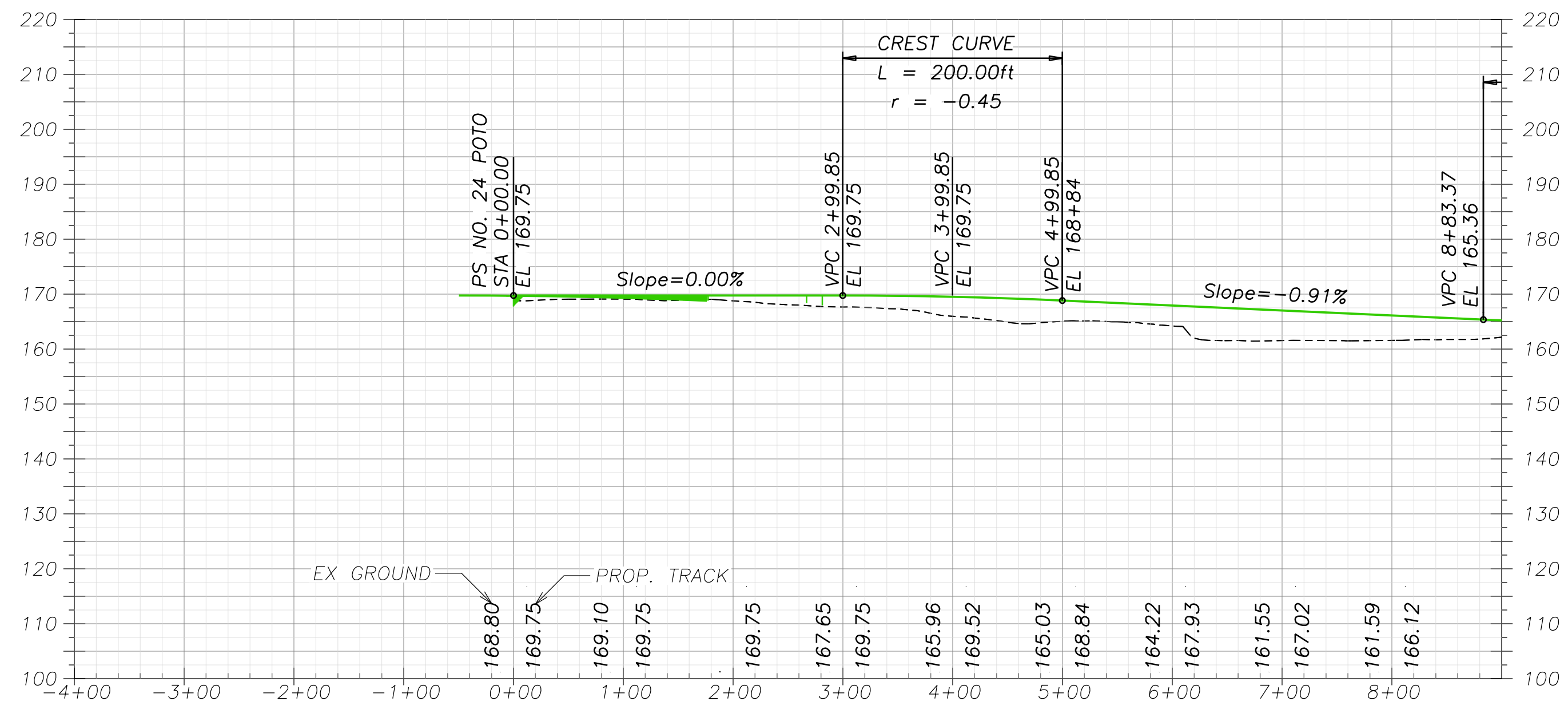
REVISIONS:

MARK	DATE	DESCRIPTION
	2/2/2024	15% SUBMITTAL

**San Joaquin  
 Joint Powers Authority**

SAN JOAQUIN JOINT POWERS AUTHORITY  
 MERCED INTERMODAL  
 TRACK CONNECTION  
 MERCED, CA

SHEET TITLE: <b>KEY MAP MITC TRACK PLAN</b>	
PROJ NO: 22311 SCALE: AS NOTED DATE: 2/27/2024 DESIGNED BY: MA/KZ	SHEET NO. <b>CT-100</b> SHEET 3 OF 69

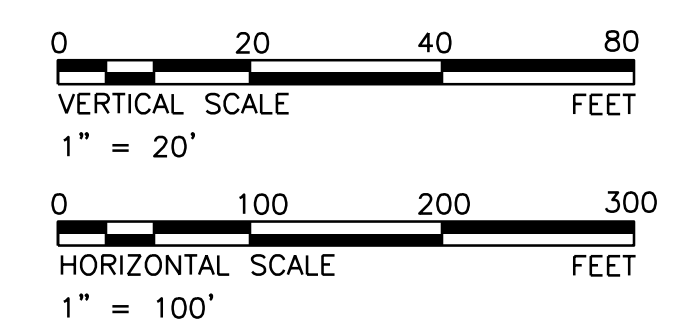
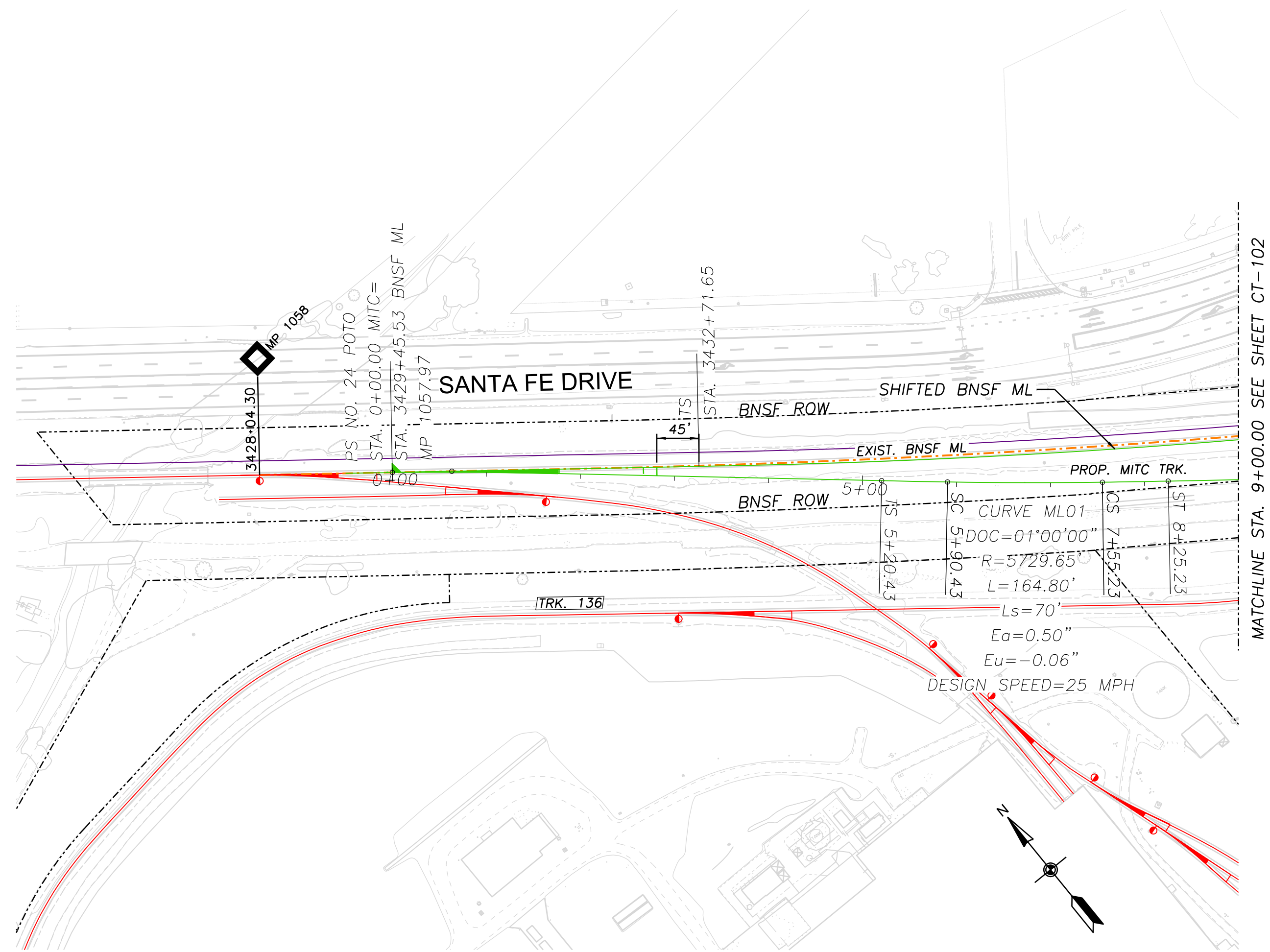


**DESIGN NOTES**

1. PROPOSED AND EXISTING TRACK ALIGNMENTS ARE BASED ON AERIAL SURVEY. TOP OF RAIL SURVEY HAS NOT BEEN PERFORMED.
2. BNSF MAINLINE STATION AND MILE POST ARE BASED ON BNSF VAL MAP 143615.
3. UTILITY LOCATES AND POTHOLING HAVE NOT BEEN PERFORMED.

**LEGEND**

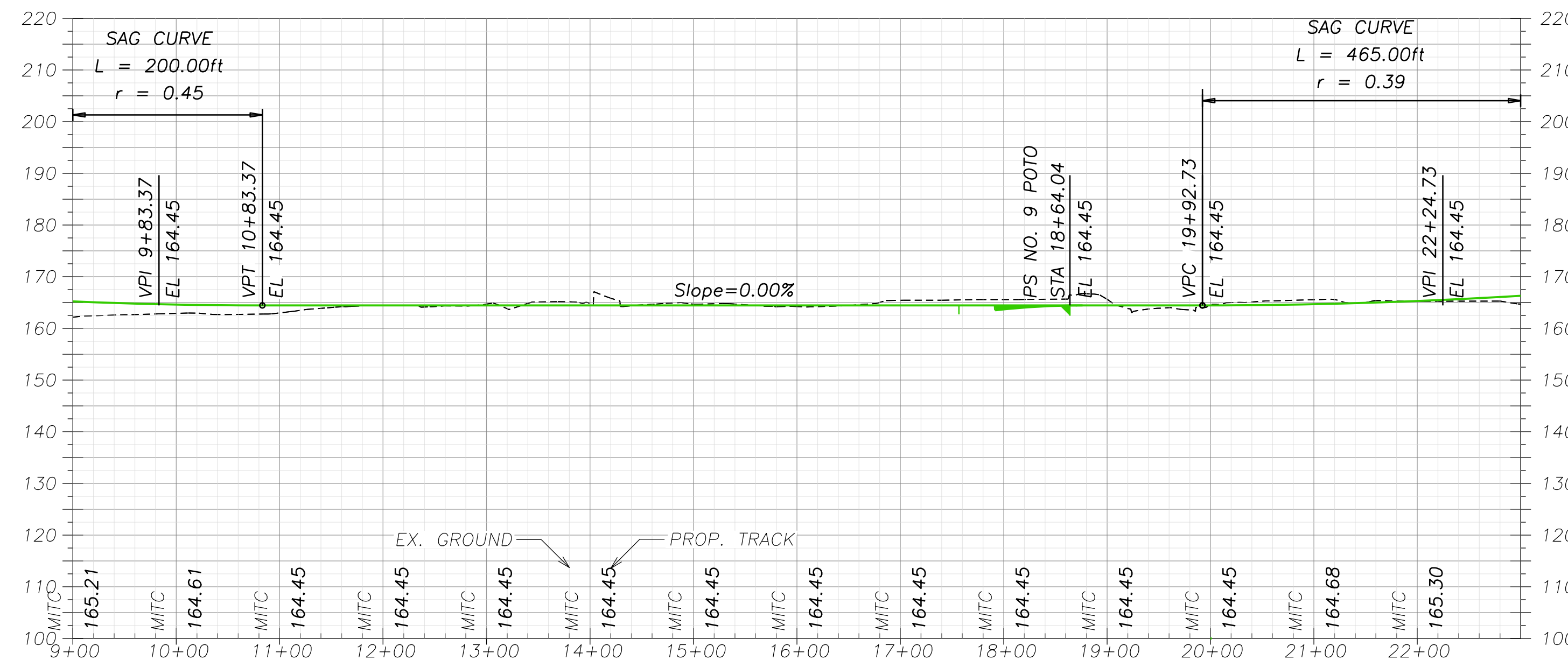
- EXISTING TRACK AND TURNOUTS
- PROPOSED RAIL AND TURNOUTS
- - - - - ROW LINE



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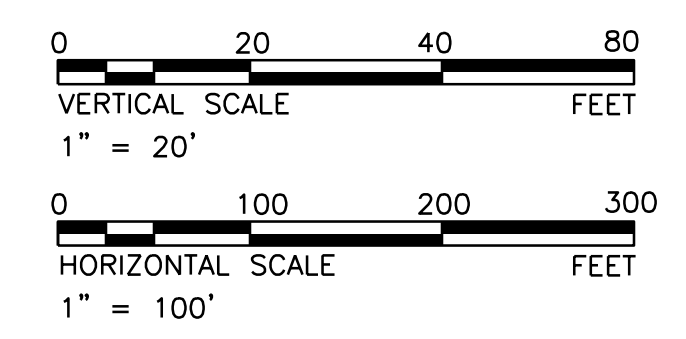
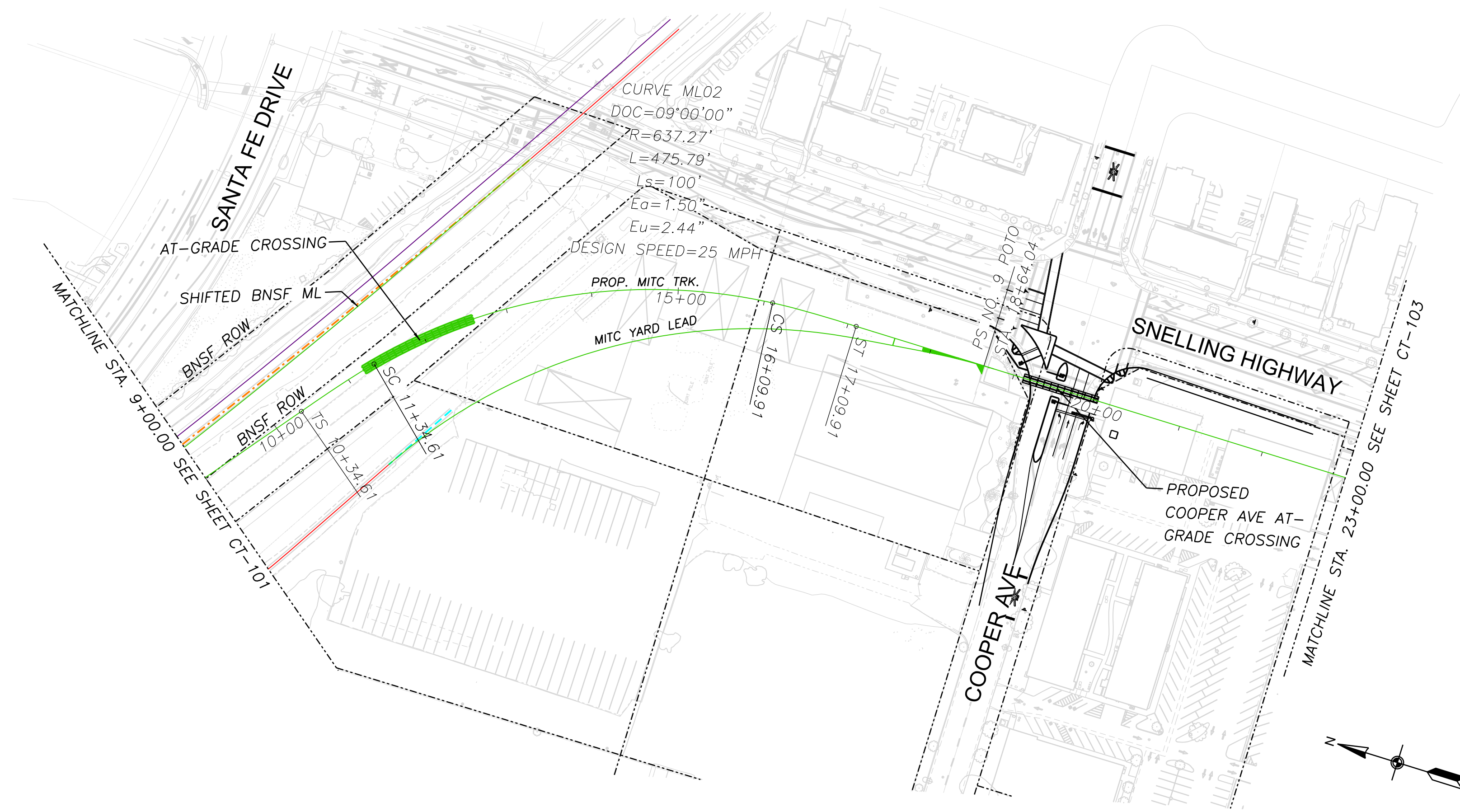


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**LEGEND**

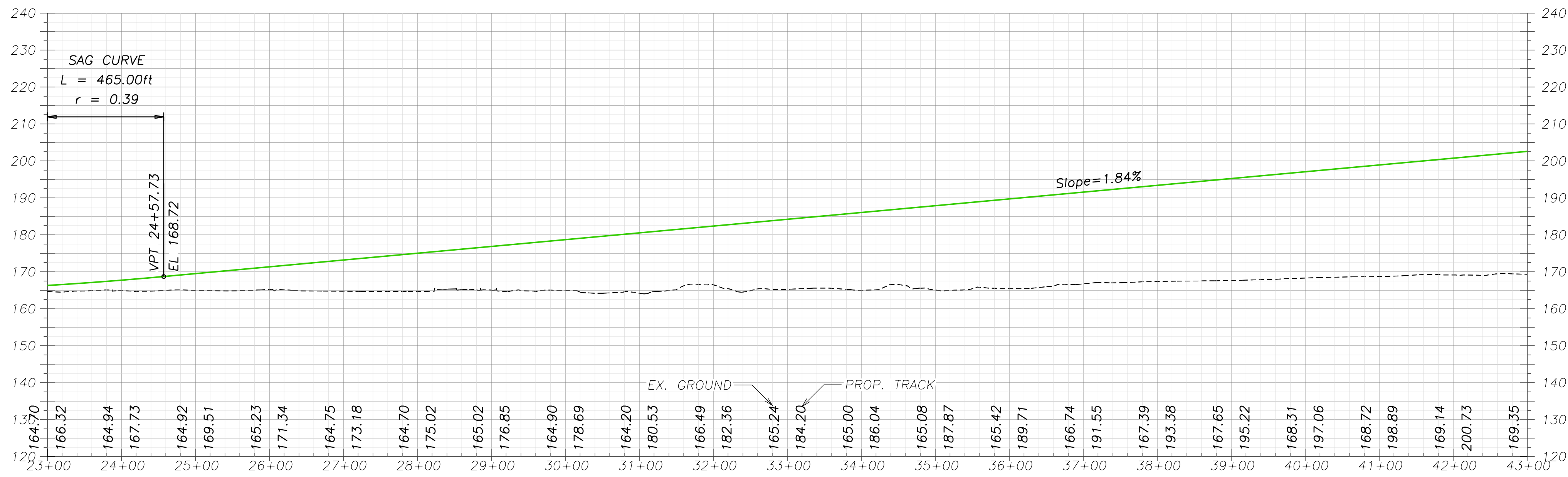
- EXISTING TRACK AND TURNOUTS
- PROPOSED RAIL AND TURNOUTS
- - - - - ROW LINE



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SCALE: AS NOTED	<b>CT-102</b>																			
DATE: 1/31/2024	SHEET 5 OF 69																			
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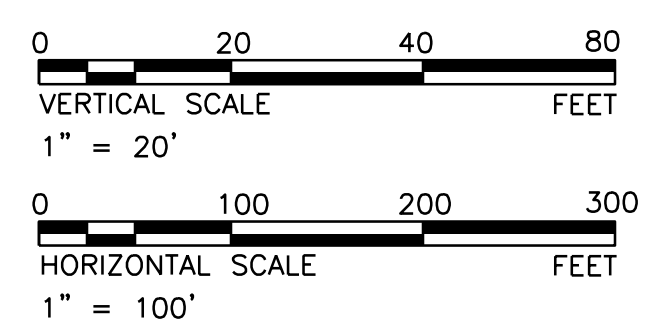
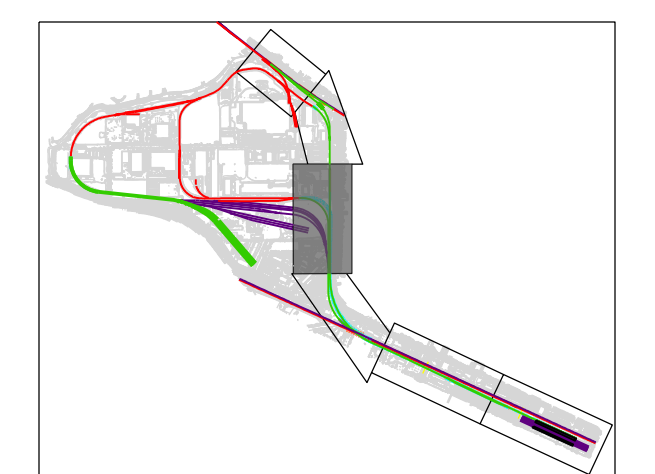
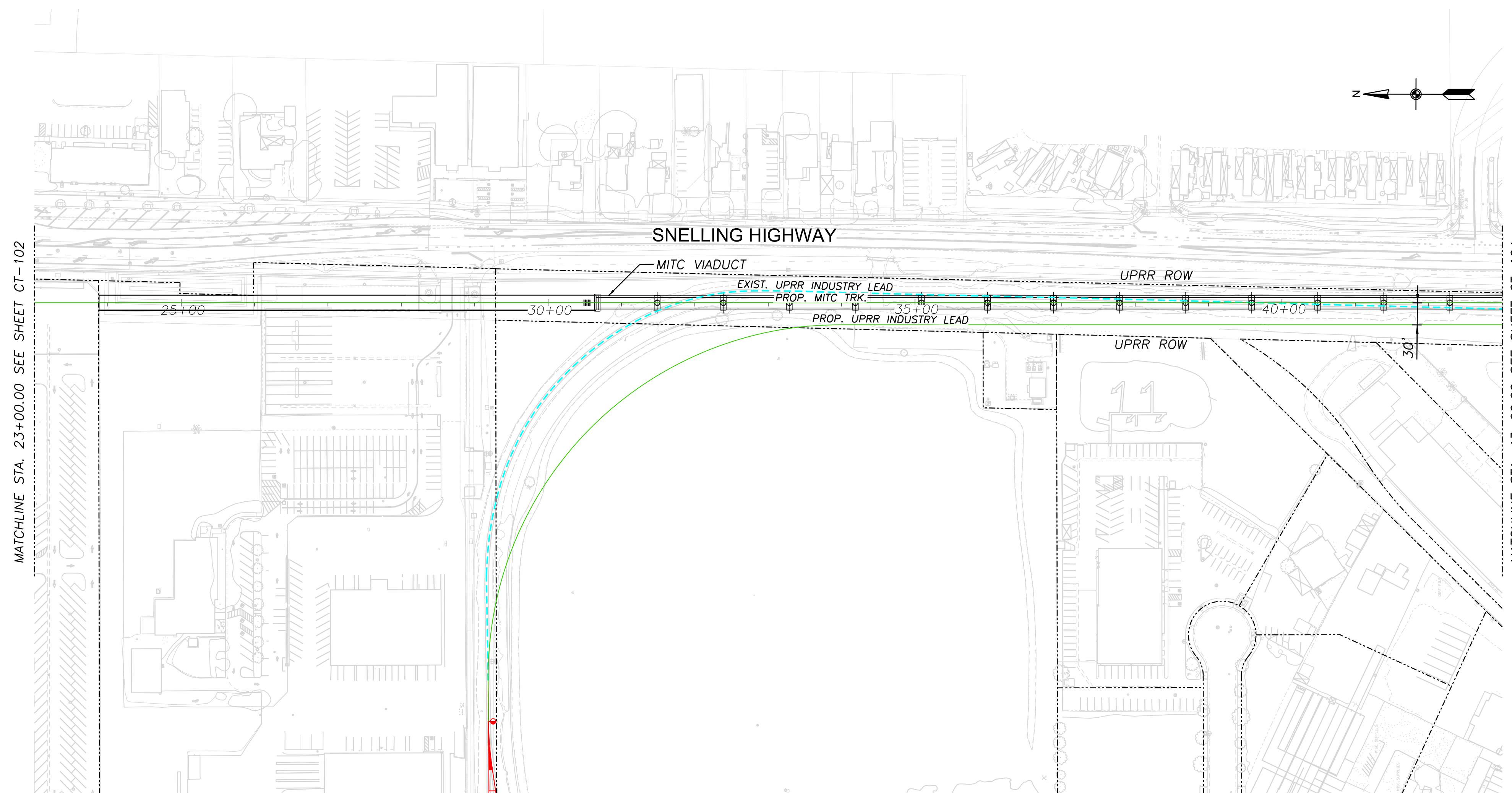


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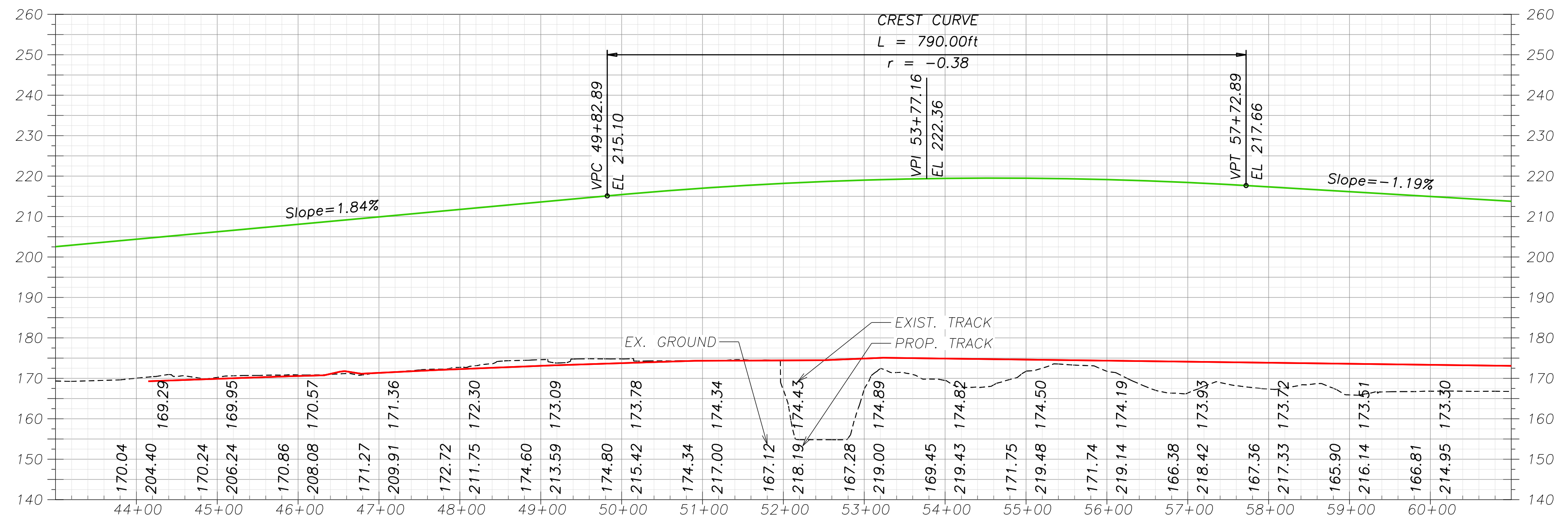
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- EXISTING TRACK AND TURNOUTS
- PROPOSED RAIL AND TURNOUTS
- - - - - ROW LINE



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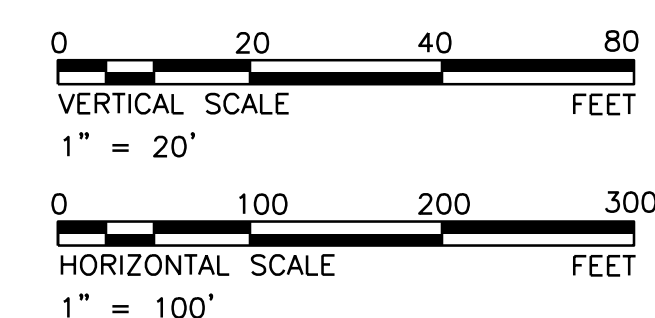
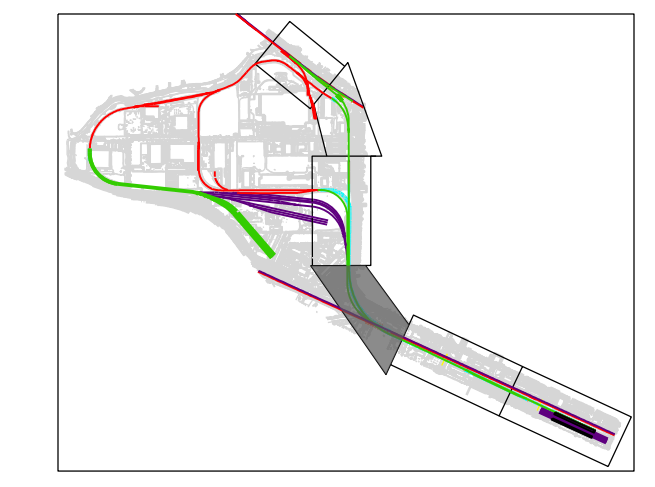
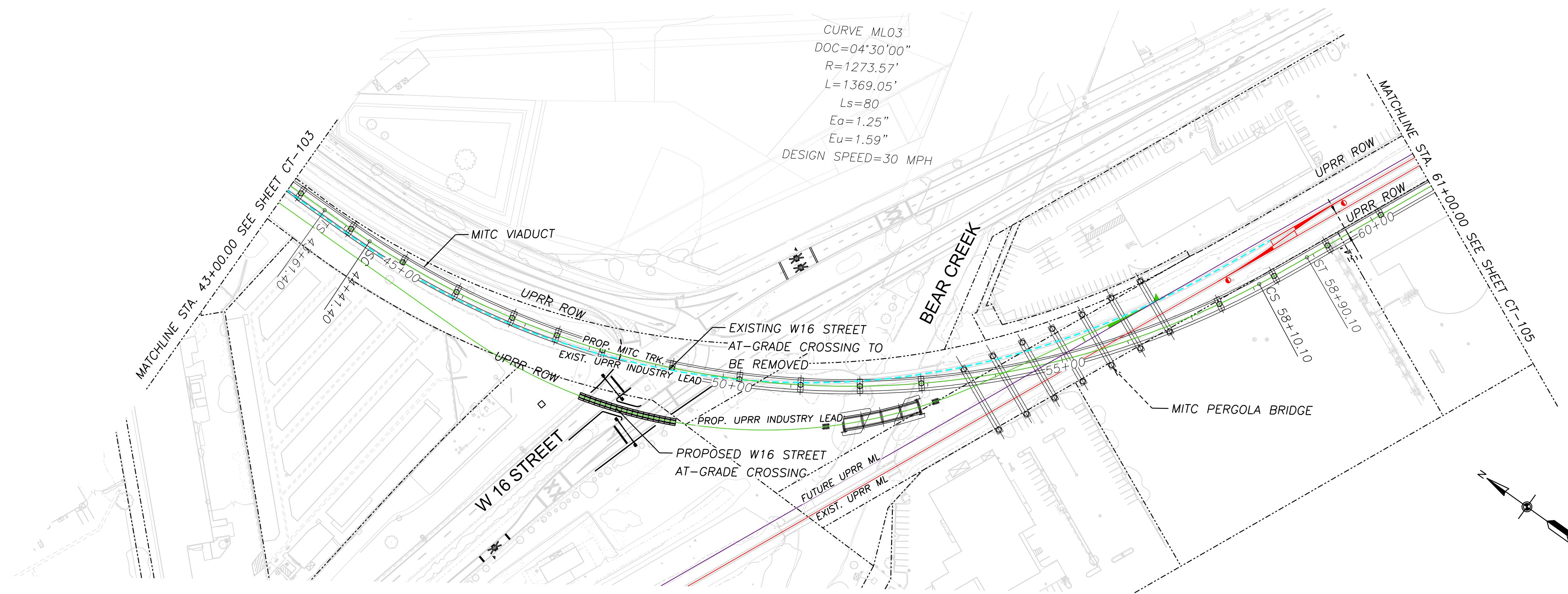


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**LEGEND**

- EXISTING TRACK AND TURNOUTS
- PROPOSED RAIL AND TURNOUTS
- FUTURE TRACK
- - - - - ROW LINE

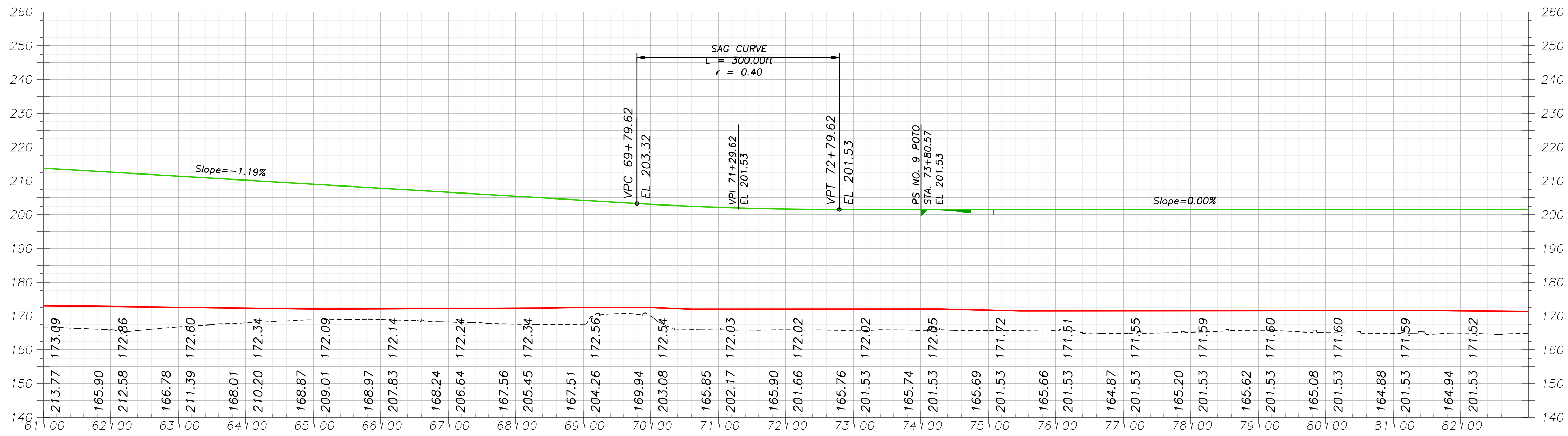


Ramon Marquez 1/31/2024 5:00:31 PM - p:\2\acomp-ha-pw-bentley.com\AECOM\_USA\_Rail\Documents\60850716-MITC\_CEOA\_NEPA\_PE\00-CAD\GIS\954\_JMA\MITC\20\_SHEET\SMITC P&P.dgn

<p><b>JMA CIVIL</b></p> <p>383 4th Street, Set 201 Oakland, CA 94607 T: 925.400.4356 www.jmacivil.com</p>	<p><b>AECOM</b></p> <p>2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com</p>	<p><b>DRAFT</b> NOT FOR CONSTRUCTION</p> <p>2/2/2024</p>	<p>REVISIONS:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>2/2/2024</td> <td>15% SUBMITTAL</td> <td></td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION	2/2/2024	15% SUBMITTAL		 <p><b>San Joaquin</b> Joint Powers Authority</p>	<p>SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION MERCED, CA</p>	<p>SHEET TITLE:</p> <p style="text-align: center;"><b>MITC TRACK PLAN AND PROFILE</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">         PROJ NO: 22311 SCALE: AS NOTED DATE: 1/31/2024 DESIGNED BY: MA/KZ       </td> <td style="width: 50%;">         SHEET NO. <b>CT-104</b> SHEET 7 OF 69       </td> </tr> </table>	PROJ NO: 22311 SCALE: AS NOTED DATE: 1/31/2024 DESIGNED BY: MA/KZ	SHEET NO. <b>CT-104</b> SHEET 7 OF 69
MARK	DATE	DESCRIPTION												
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PROJ NO: 22311 SCALE: AS NOTED DATE: 1/31/2024 DESIGNED BY: MA/KZ	SHEET NO. <b>CT-104</b> SHEET 7 OF 69													

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING



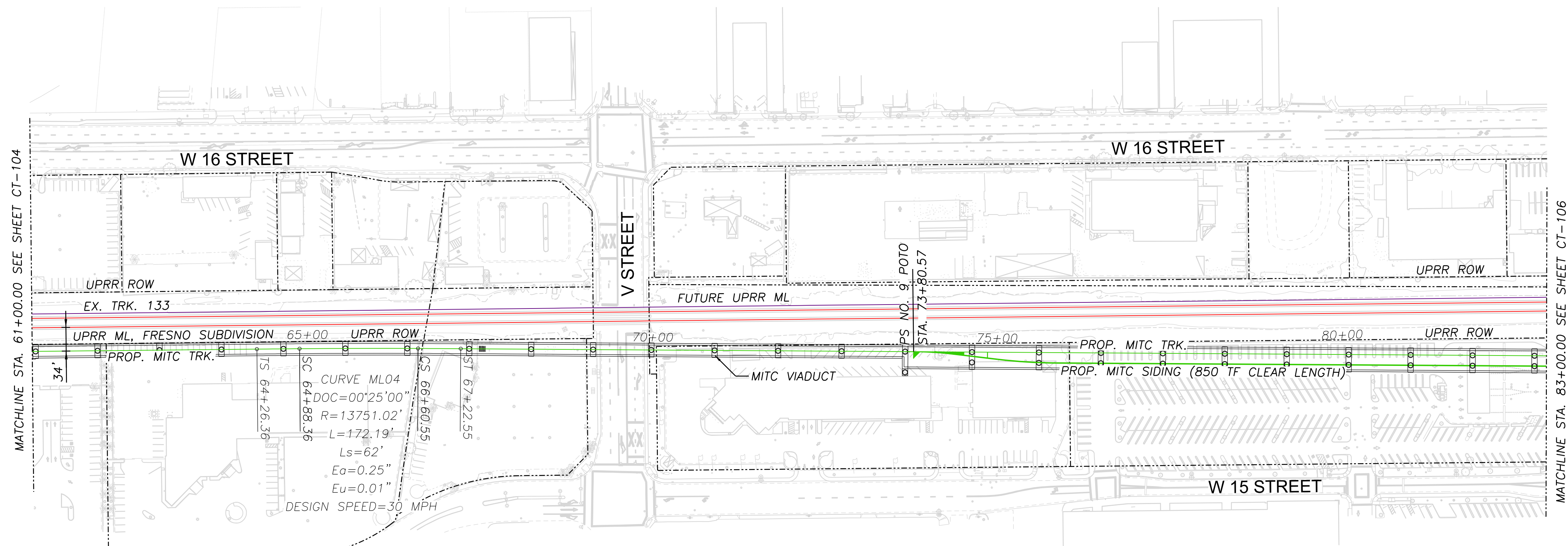


**DESIGN NOTES**

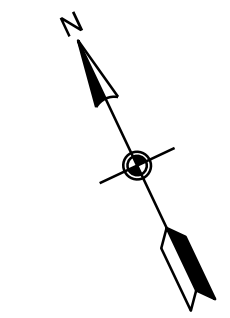
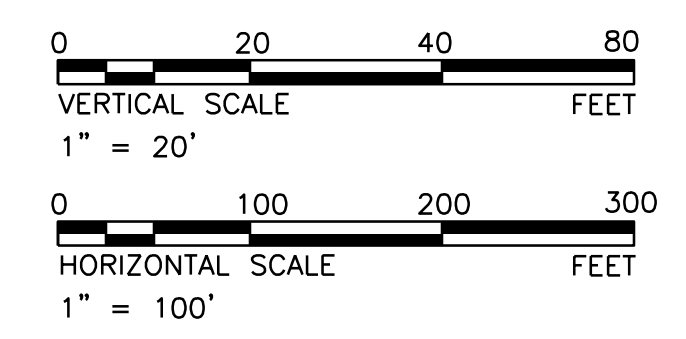
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2. BNSF MAINLINE STATION AND MILE POST ARE BASED ON BNSF VAL MAP 143615.
3. UTILITY LOCATES AND POTHOLING HAVE NOT BEEN PERFORMED.

**LEGEND**


- EXISTING TRACK AND TURNOUTS
- PROPOSED RAIL AND TURNOUTS
- FUTURE TRACK
- - - - - ROW LINE



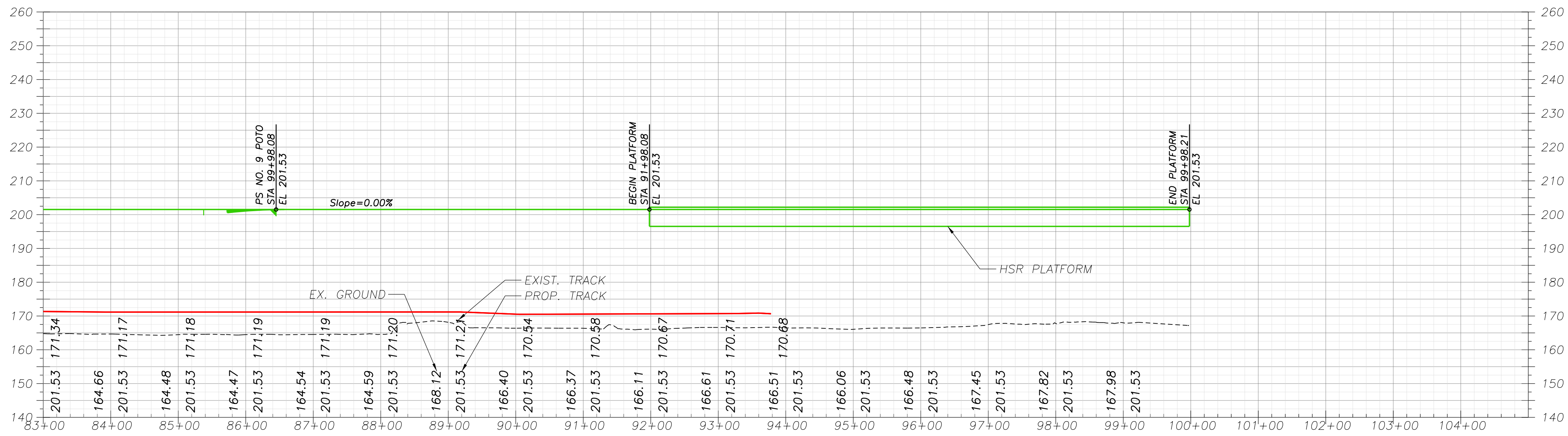
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 R=13751.02'  
 L=172.19'  
 Ls=62'  
 Ea=0.25"  
 Eu=0.01"  
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<p><b>JMA CIVIL</b></p> <p>383 4th Street, Set 201 Oakland, CA 94607 T: 925.400.4356 www.jmacivil.com</p>	<p><b>AECOM</b></p> <p>2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com</p>	<p><b>DRAFT</b> NOT FOR CONSTRUCTION</p> <p>2/2/2024</p>	<p>REVISIONS:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>2/2/2024</td> <td>15% SUBMITTAL</td> <td></td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION	2/2/2024	15% SUBMITTAL		 <p><b>San Joaquin</b> Joint Powers Authority</p>	<p>SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION MERCED, CA</p>	<p>SHEET TITLE:</p> <p style="text-align: center;"><b>MITC TRACK PLAN AND PROFILE</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>         PROJ NO: 22311          SCALE: AS NOTED          DATE: 6/14/2024          DESIGNED BY: MA/KZ       </td> <td>         SHEET NO.  <p style="text-align: center;"><b>CT-105</b></p>         SHEET OF 69       </td> </tr> </table>	PROJ NO: 22311 SCALE: AS NOTED DATE: 6/14/2024 DESIGNED BY: MA/KZ	SHEET NO. <p style="text-align: center;"><b>CT-105</b></p> SHEET OF 69
MARK	DATE	DESCRIPTION												
2/2/2024	15% SUBMITTAL													
PROJ NO: 22311 SCALE: AS NOTED DATE: 6/14/2024 DESIGNED BY: MA/KZ	SHEET NO. <p style="text-align: center;"><b>CT-105</b></p> SHEET OF 69													

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

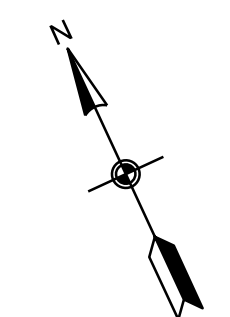
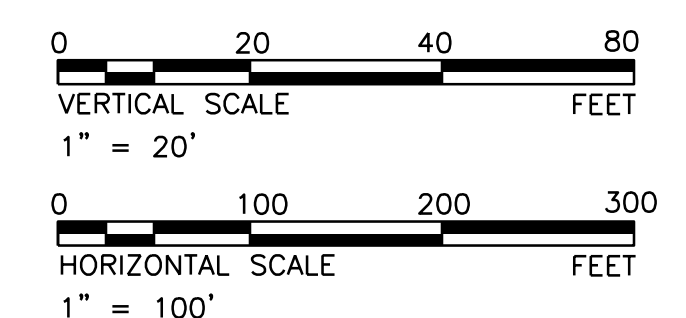
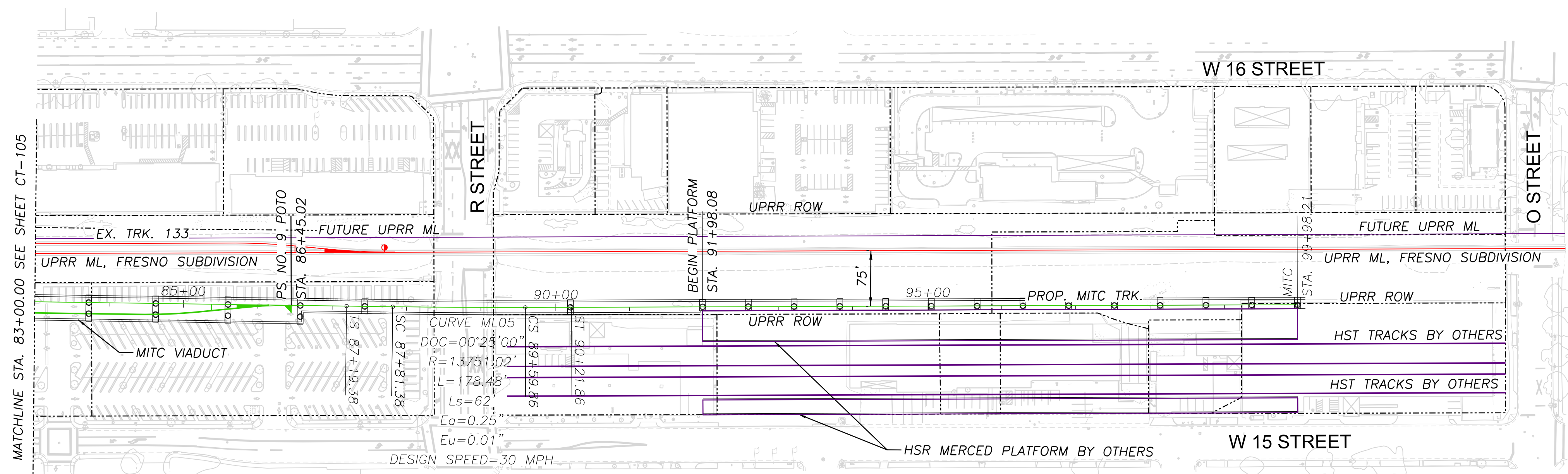


**DESIGN NOTES**

1. PROPOSED AND EXISTING TRACK ALIGNMENTS ARE BASED ON AERIAL SURVEY. TOP OF RAIL SURVEY HAS NOT BEEN PERFORMED.
2. BNSF MAINLINE STATION AND MILE POST ARE BASED ON BNSF VAL MAP 143615.
3. UTILITY LOCATES AND POTHOLING HAVE NOT BEEN PERFORMED.

**LEGEND**

- EXISTING TRACK AND TURNOUTS
- PROPOSED RAIL AND TURNOUTS
- FUTURE TRACK
- - - - - ROW LINE

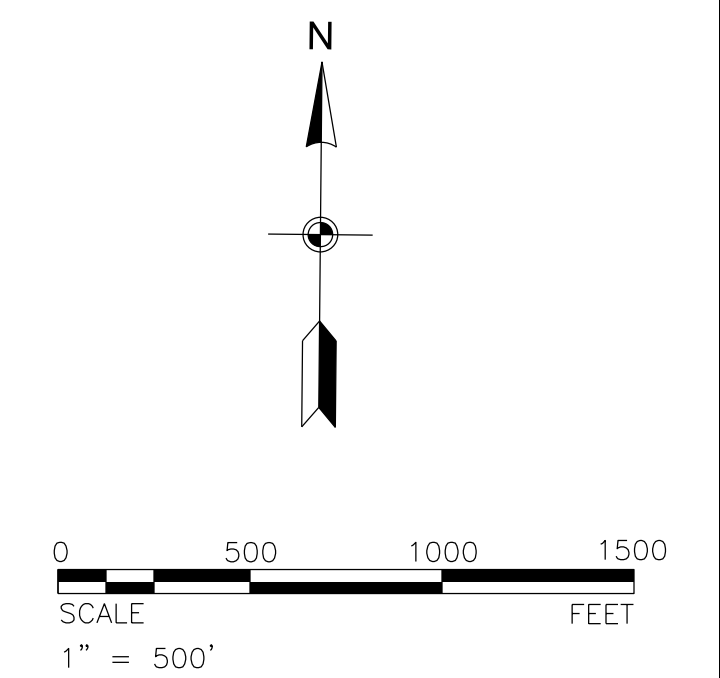
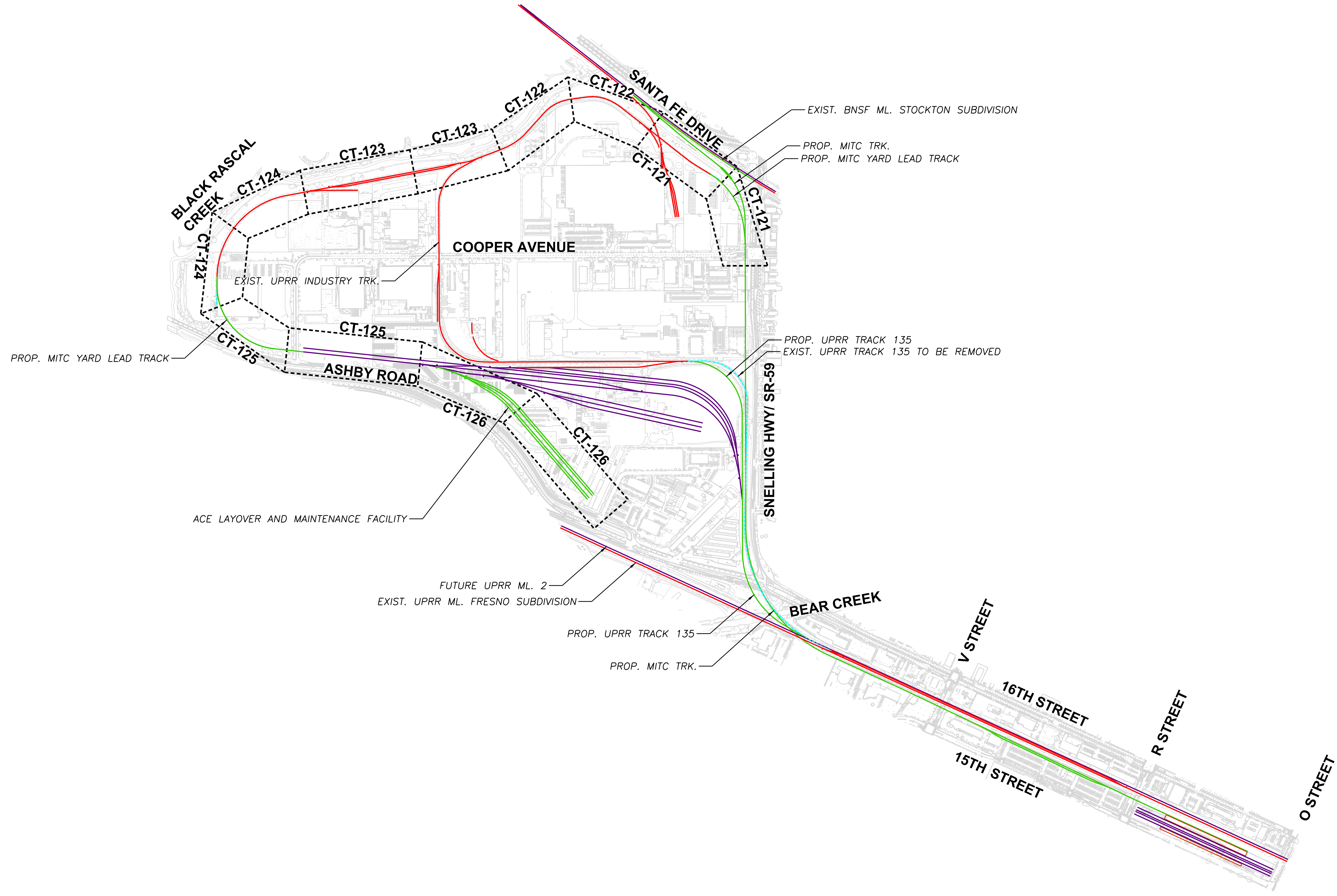


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MARK	DATE	DESCRIPTION												
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PROJ NO: 22311 SCALE: AS NOTED DATE: 6/14/2024 DESIGNED BY: MA/KZ	SHEET NO. <p style="text-align: center;"><b>CT-106</b></p> SHEET OF 69													

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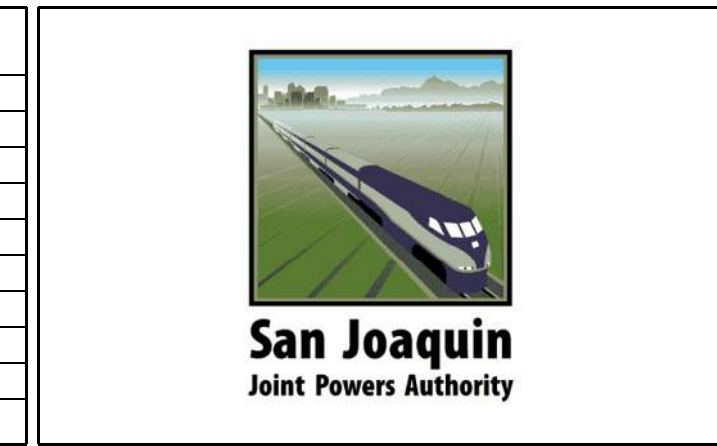
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MARK	DATE	DESCRIPTION
	2/2/2024	15% SUBMITTAL



SAN JOAQUIN JOINT POWERS AUTHORITY  
 MERCED INTERMODAL  
 TRACK CONNECTION  
 MERCED, CA

SHEET TITLE:  
**KEY MAP MITC YARD TRACKS**







PROJ NO: 22311 SCALE: AS NOTED DATE: 2/27/2024 DESIGNED BY: MA/KZ	SHEET NO. <b>CT-120</b> SHEET 10 OF 69
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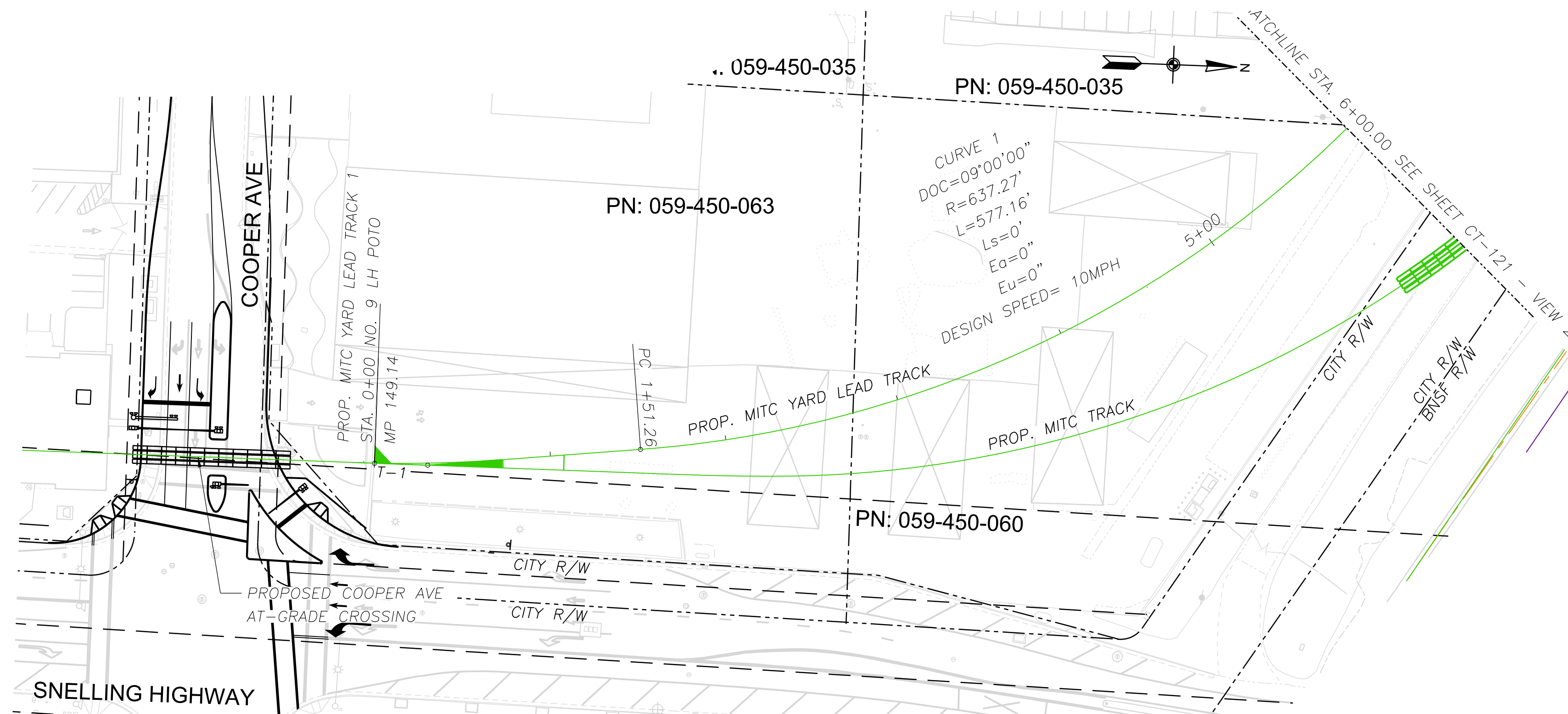
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2. BNSF MAINLINE STATION AND MILE POST ARE BASED ON BNSF VAL MAP 143615.
3. UTILITY LOCATES AND POTHOLING HAVE NOT BEEN PERFORMED.

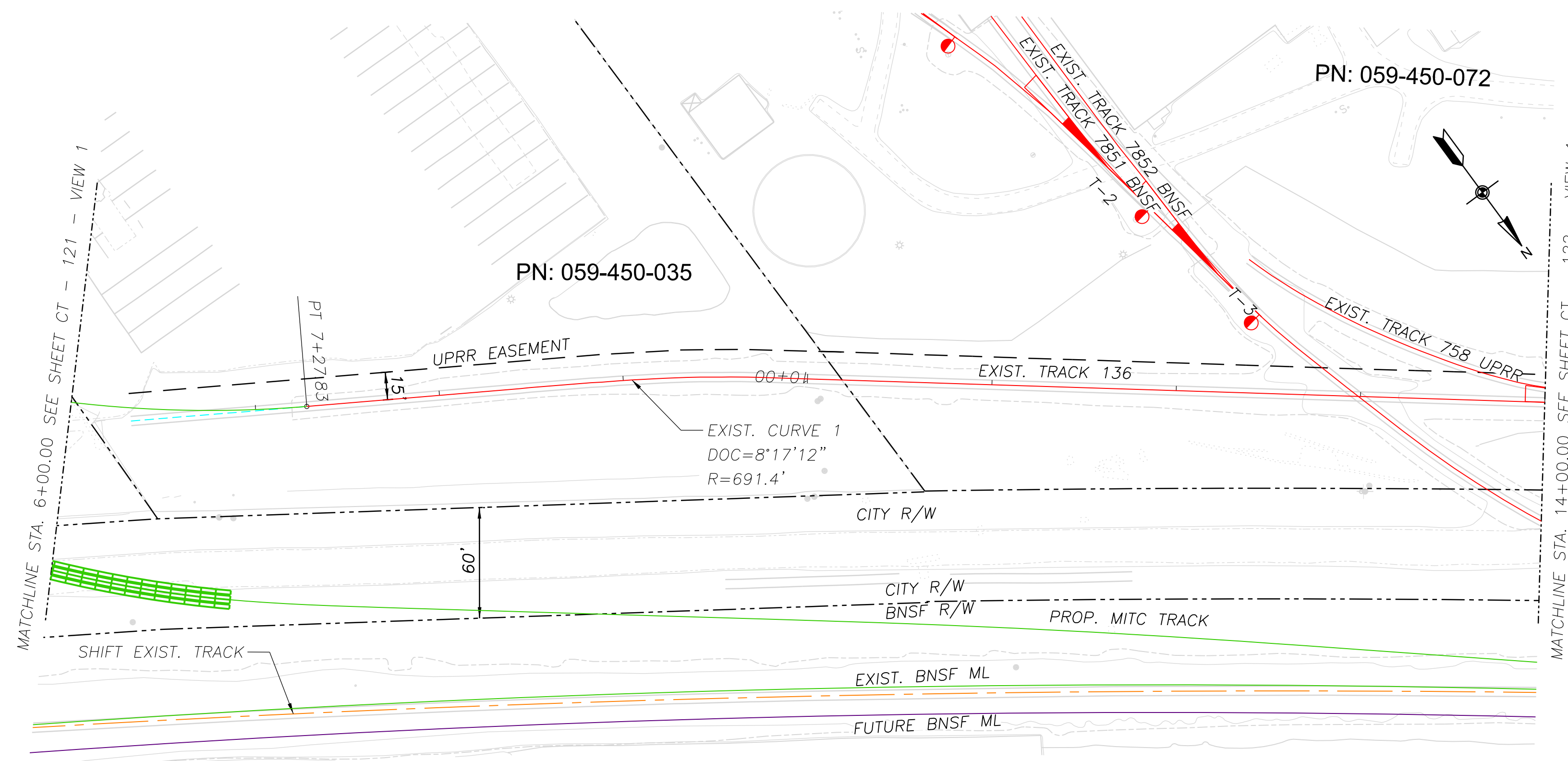
**LEGEND**

-  EXISTING TRACK AND TURNOUTS
-  PROPOSED TRACK AND TURNOUTS
-  SJJPA AND SJRRR LAYOVER AND MAINTENANCE TRACKS
-  REMOVE TRACK AND TURNOUTS
-  SHIFT TRACK
-  ROW LINE




VIEW 1



VIEW 2



Ramiro Marquez 1/31/2024 5:00:49 PM - p:\aecom\ra-pw\hennelly.com\AECOM\_USA\_Rail\Documents\60860716-MITC-CEOA-NEPA-PE900-CAD-GIS\954\_JMA\MITC\20\_SHEETS\CT-121 - MITC Yard Tracks.dgn

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MARK	DATE	DESCRIPTION												
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PROJ NO: 22311 SCALE: AS NOTED DATE: 1/31/2024 DESIGNED BY: MA/KZ	SHEET NO. <p style="text-align: center; font-weight: bold; font-size: 1.2em;">CT-121</p> SHEET 11 OF 69													

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**DESIGN NOTES**

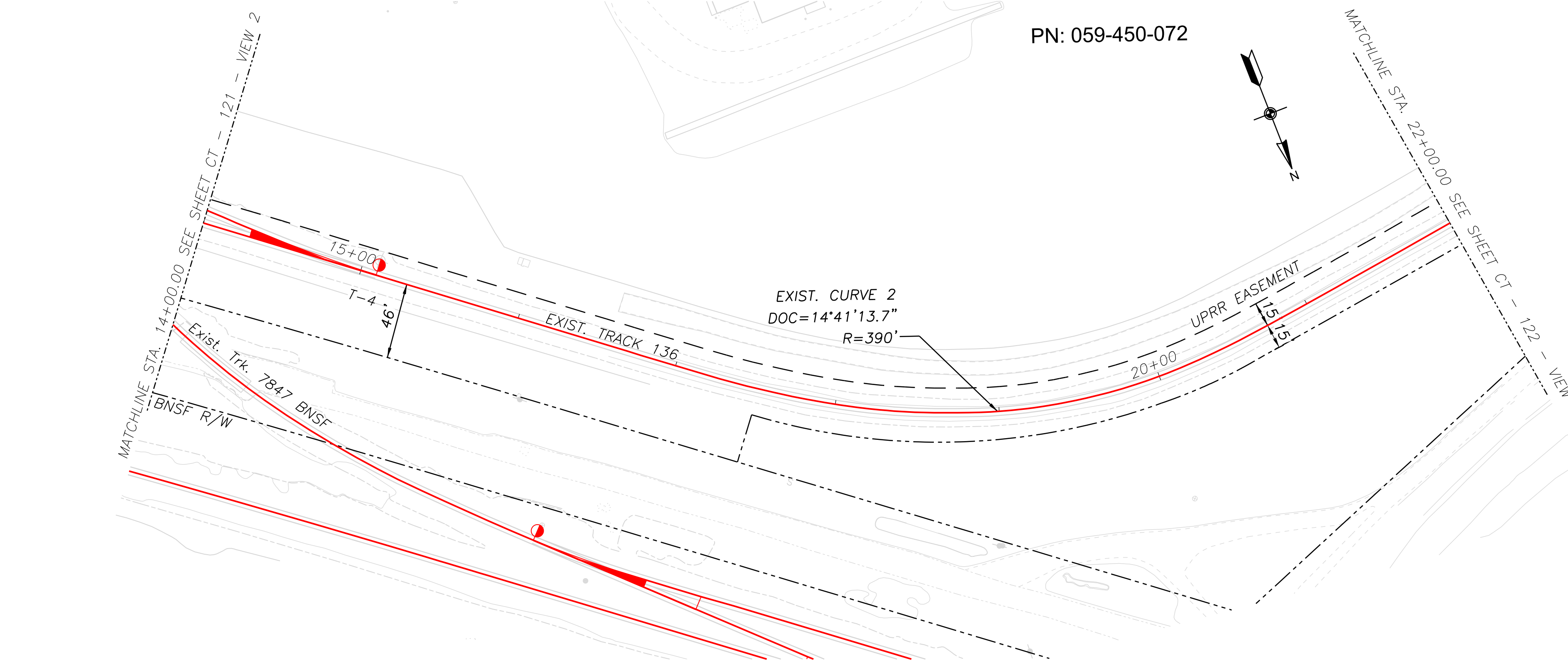
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2. BNSF MAINLINE STATION AND MILE POST ARE BASED ON BNSF VAL MAP 143615.
3. UTILITY LOCATES AND POTHOLING HAVE NOT BEEN PERFORMED.

**LEGEND**

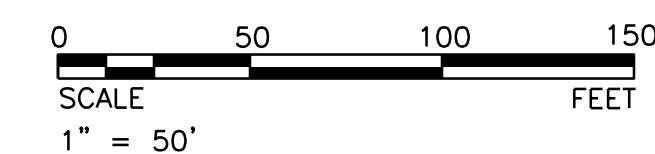
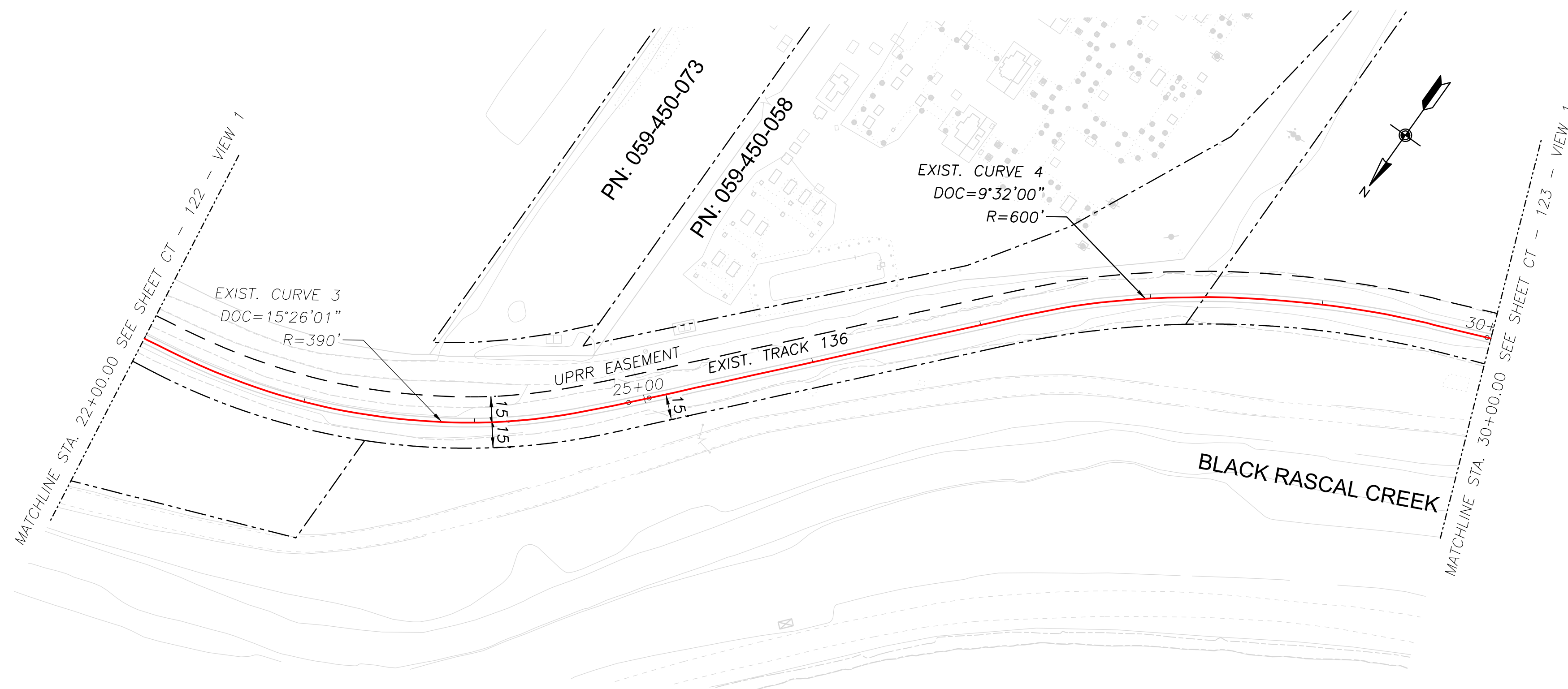
- EXISTING TRACK AND TURNOUTS
- PROPOSED TRACK AND TURNOUTS
- SJPPA AND SJRRP LAYOVER AND MAINTENANCE TRACKS
- REMOVE TRACK AND TURNOUTS
- SHIFT TRACK
- ROW LINE

PN: 059-450-072

VIEW 1



VIEW 2



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	 383 4th Street, Set 201 Oakland, CA 94607 T: 925.400.4356 www.jmacivil.com	 2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com	DRAFT NOT FOR CONSTRUCTION  2/2/2024	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td></td> <td>2/2/2024</td> <td>15% SUBMITTAL</td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION		2/2/2024	15% SUBMITTAL	 <b>San Joaquin</b> Joint Powers Authority	<b>SAN JOAQUIN JOINT POWERS AUTHORITY</b> <b>MERCED INTERMODAL</b> <b>TRACK CONNECTION</b> MERCED, CA	SHEET TITLE:  <div style="text-align: center;"><b>MITC YARD TRACK PLAN</b></div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">           PROJ NO: 22311            SCALE: AS NOTED            DATE: 1/31/2024            DESIGNED BY: MARKZ         </td> <td style="font-size: small;">           SHEET NO.  <div style="text-align: center; font-weight: bold;">CT-122</div>           SHEET 12 OF 69         </td> </tr> </table>	PROJ NO: 22311 SCALE: AS NOTED DATE: 1/31/2024 DESIGNED BY: MARKZ	SHEET NO. <div style="text-align: center; font-weight: bold;">CT-122</div> SHEET 12 OF 69
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PROJ NO: 22311 SCALE: AS NOTED DATE: 1/31/2024 DESIGNED BY: MARKZ	SHEET NO. <div style="text-align: center; font-weight: bold;">CT-122</div> SHEET 12 OF 69														
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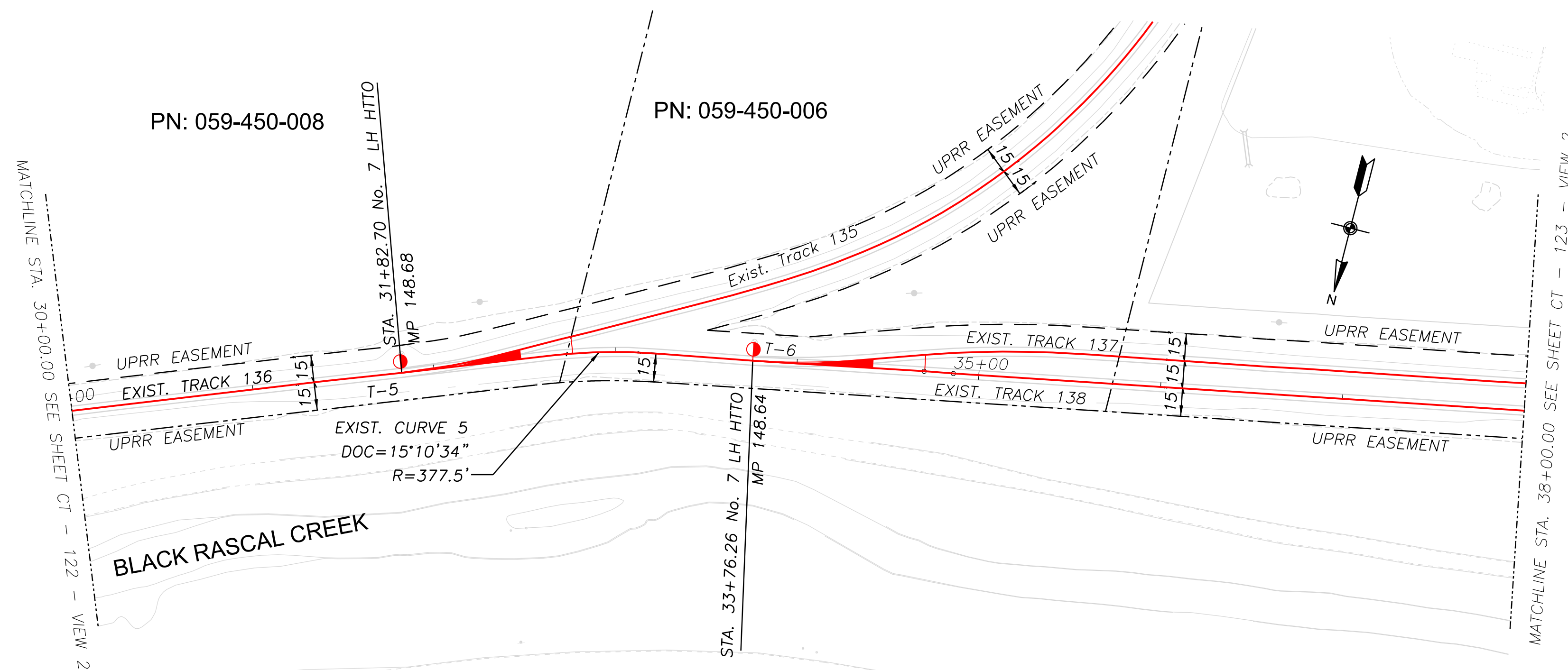
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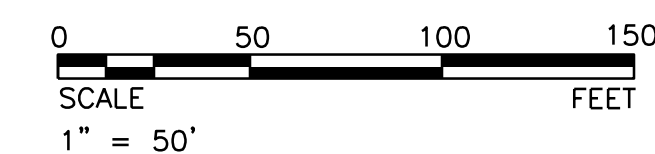
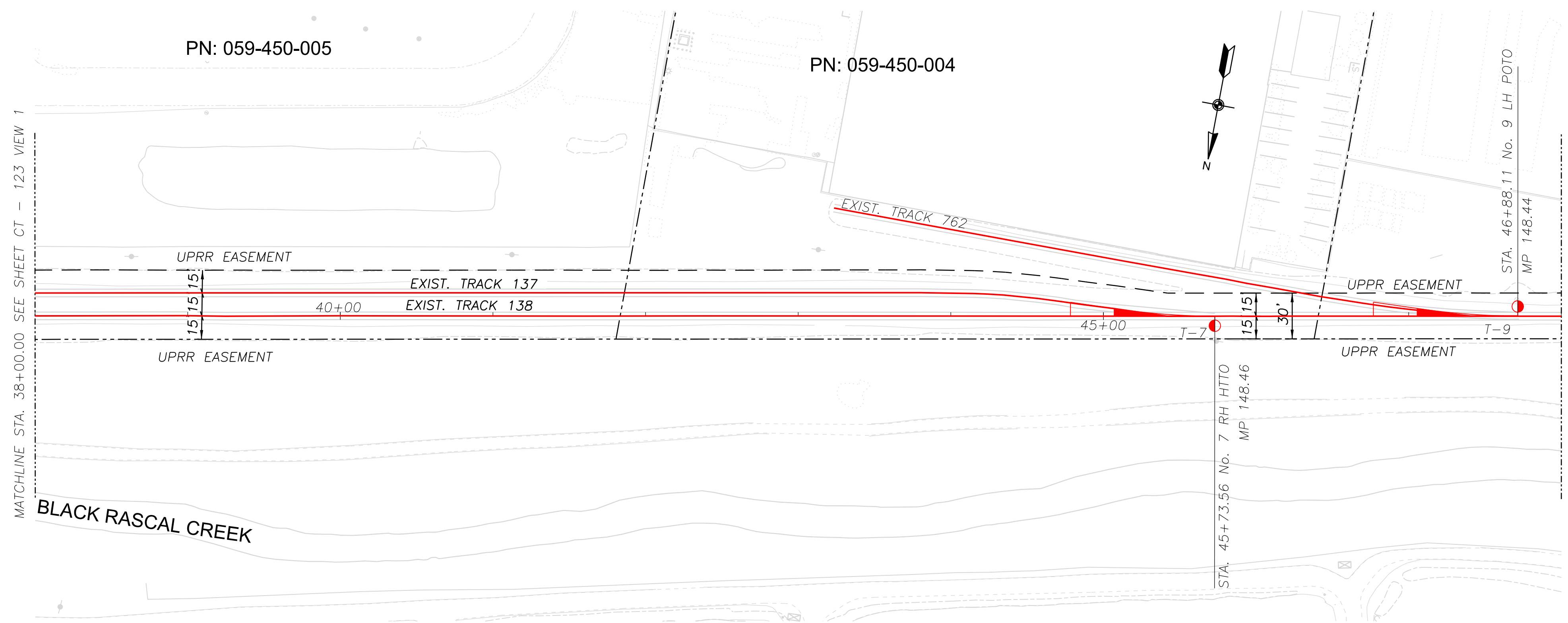
**LEGEND**

- EXISTING TRACK AND TURNOUTS
- PROPOSED TRACK AND TURNOUTS
- SJJPA AND SJRRR LAYOVER AND MAINTENANCE TRACKS
- - - REMOVE TRACK AND TURNOUTS
- - - SHIFT TRACK
- - - ROW LINE

VIEW 1



VIEW 2



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	 383 4th Street, Set 201 Oakland, CA 94607 T: 925.400.4356 www.jmacivil.com	 2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com	DRAFT NOT FOR CONSTRUCTION  2/2/2024	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>2/2/2024</td> <td>15% SUBMITTAL</td> <td></td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION	2/2/2024	15% SUBMITTAL		 SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION MERCED, CA	SHEET TITLE: <p style="text-align: center; font-weight: bold; font-size: 1.2em;">MITC YARD TRACK PLAN</p>
MARK	DATE	DESCRIPTION										
2/2/2024	15% SUBMITTAL											
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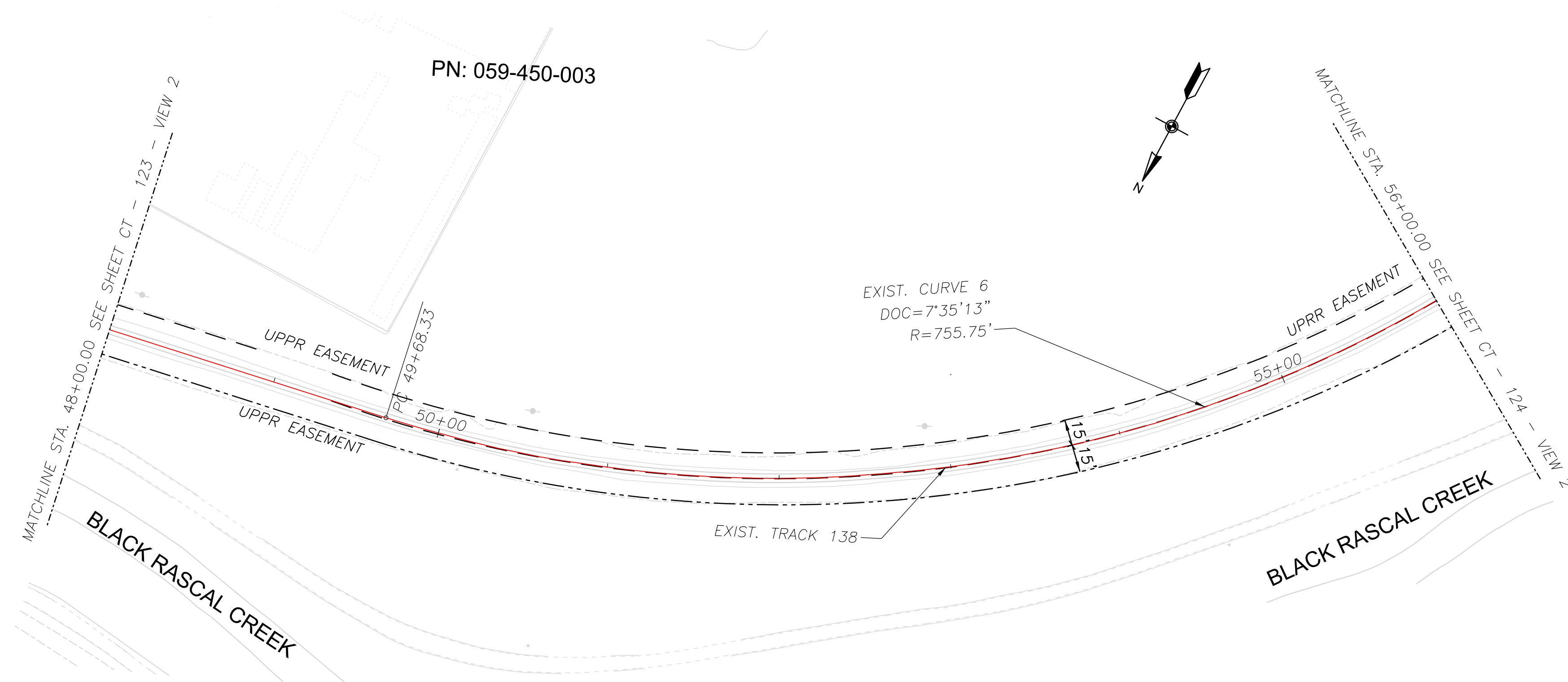
**DESIGN NOTES**

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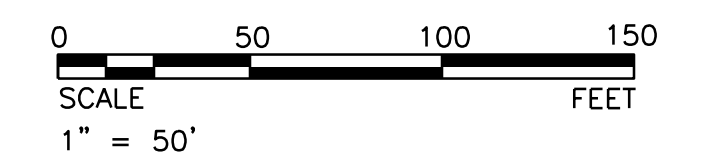
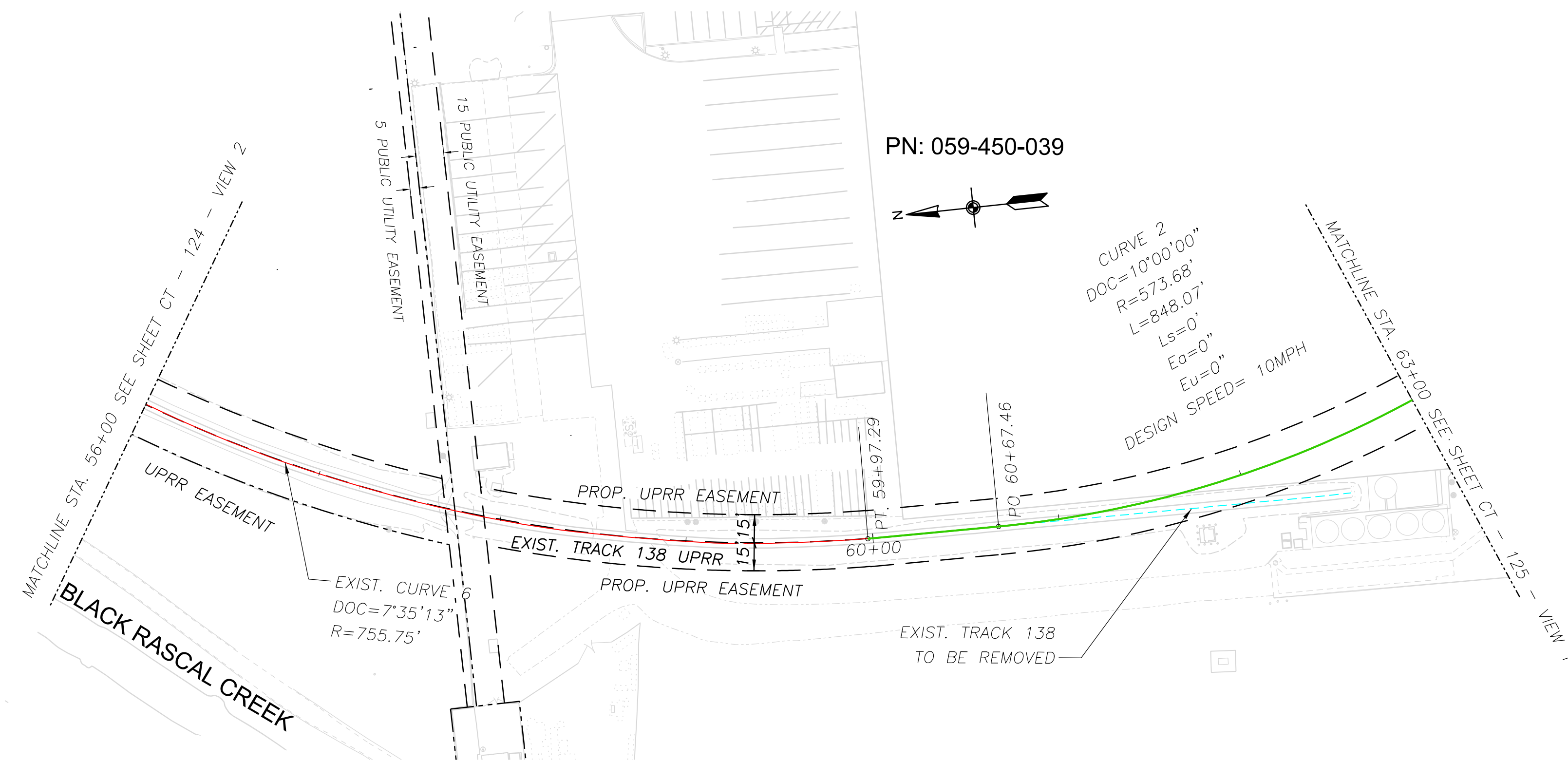
**LEGEND**

- EXISTING TRACK AND TURNOUTS
- PROPOSED TRACK AND TURNOUTS
- SJJPA AND SJRRR LAYOVER AND MAINTENANCE TRACKS
- - - REMOVE TRACK AND TURNOUTS
- - - SHIFT TRACK
- - - ROW LINE

VIEW 1



VIEW 2



Ramiro Marquez 1/31/2024 5:00:58 PM - p:\aecom\ra-marquez\p\proj\2024\121-MITC\Drawings\20-SHEETS\CT-121-MITC Yard Tracks.dwg

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MARK	DATE	DESCRIPTION										
2/2/2024	15% SUBMITTAL											
SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:	PROFESSIONAL SEAL:	ISSUE:	PROJ NO: 22311 SCALE: AS NOTED DATE: 1/31/2024 DESIGNED BY: MA/KZ	SHEET NO. <p style="text-align: center; font-weight: bold;">CT-124</p> SHEET 14 OF 69						

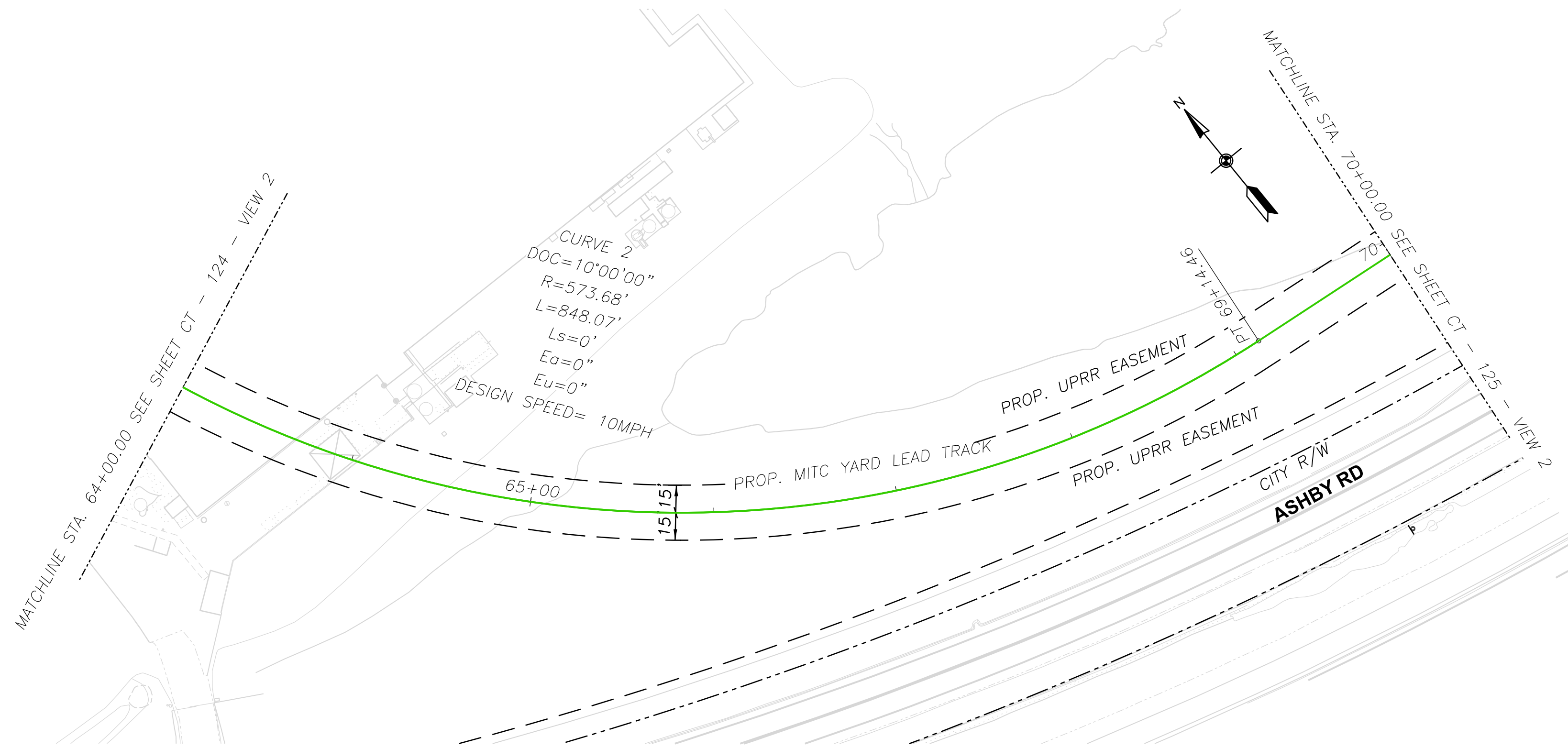
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**DESIGN NOTES**

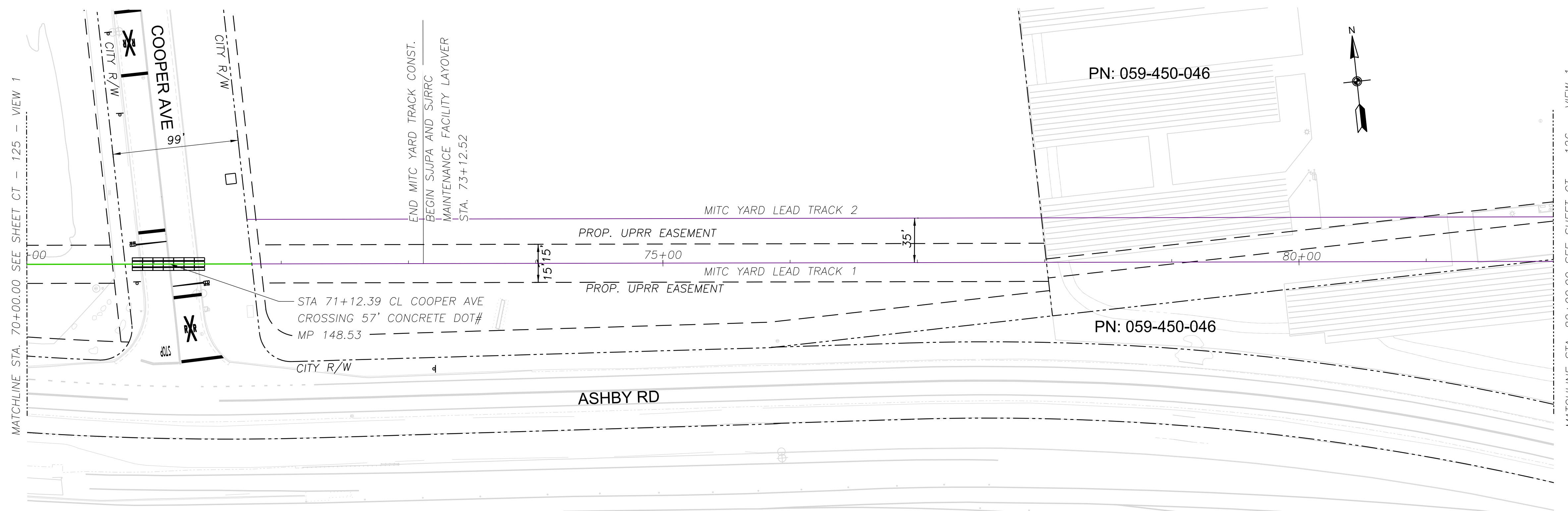
1. PROPOSED AND EXISTING TRACK ALIGNMENTS ARE BASED ON AERIAL SURVEY. TOP OF RAIL SURVEY HAS NOT BEEN PERFORMED.
2. BNSF MAINLINE STATION AND MILE POST ARE BASED ON BNSF VAL MAP 143615.
3. UTILITY LOCATES AND POTHOLING HAVE NOT BEEN PERFORMED.

**LEGEND**

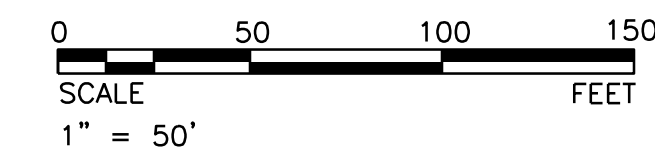
- EXISTING TRACK AND TURNOUTS
- PROPOSED TRACK AND TURNOUTS
- SJJPA AND SJRRCC LAYOVER AND MAINTENANCE TRACKS
- - - REMOVE TRACK AND TURNOUTS
- - - SHIFT TRACK
- - - ROW LINE






VIEW 1



VIEW 2



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MARK	DATE	DESCRIPTION												
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PROJ NO: 22311 SCALE: AS NOTED DATE: 2/27/2024 DESIGNED BY: MA/KZ	SHEET NO. <b>CT-125</b> SHEET 15 OF 69													

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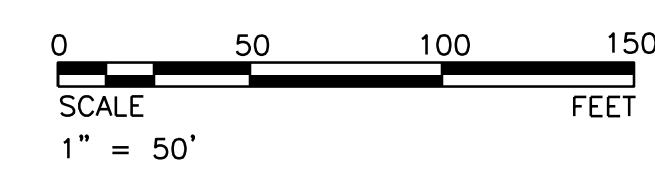
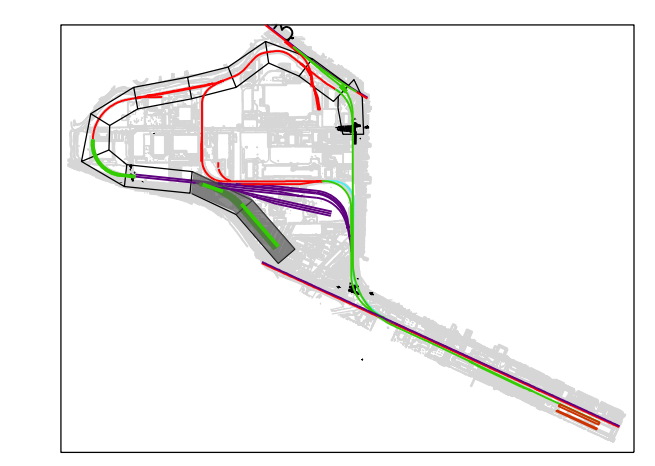
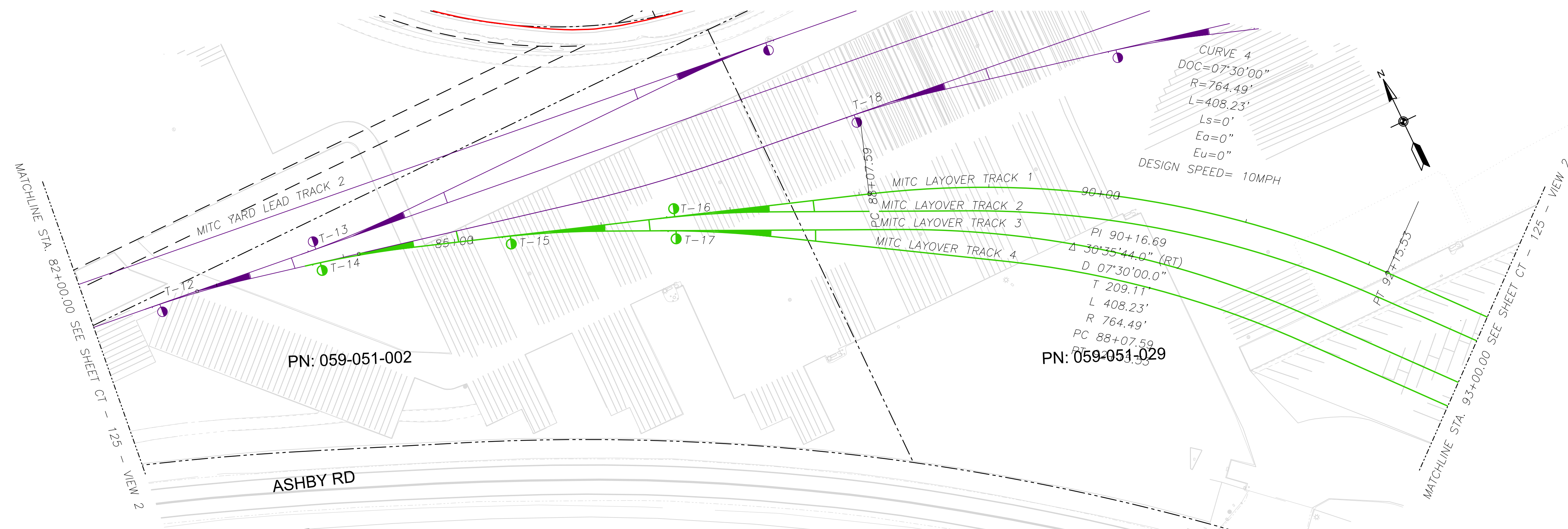


**DESIGN NOTES**

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**LEGEND**

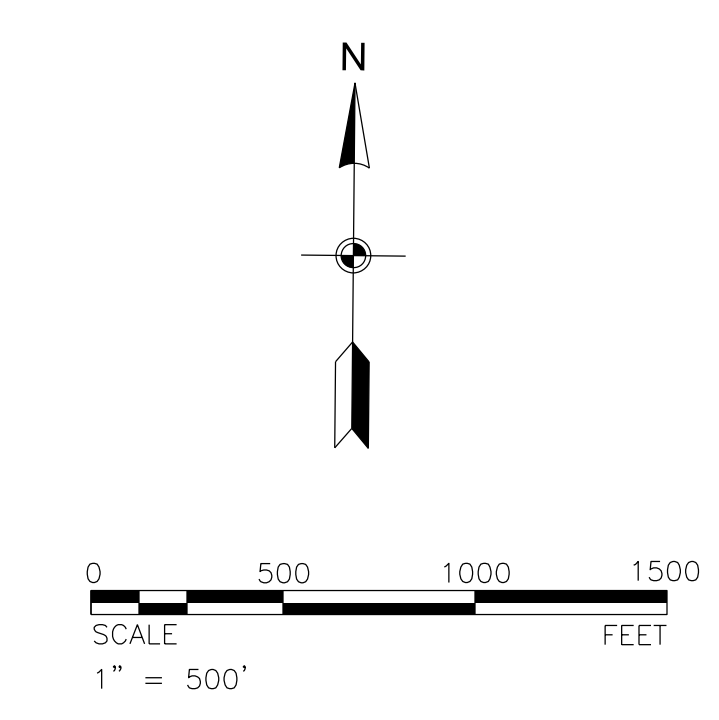
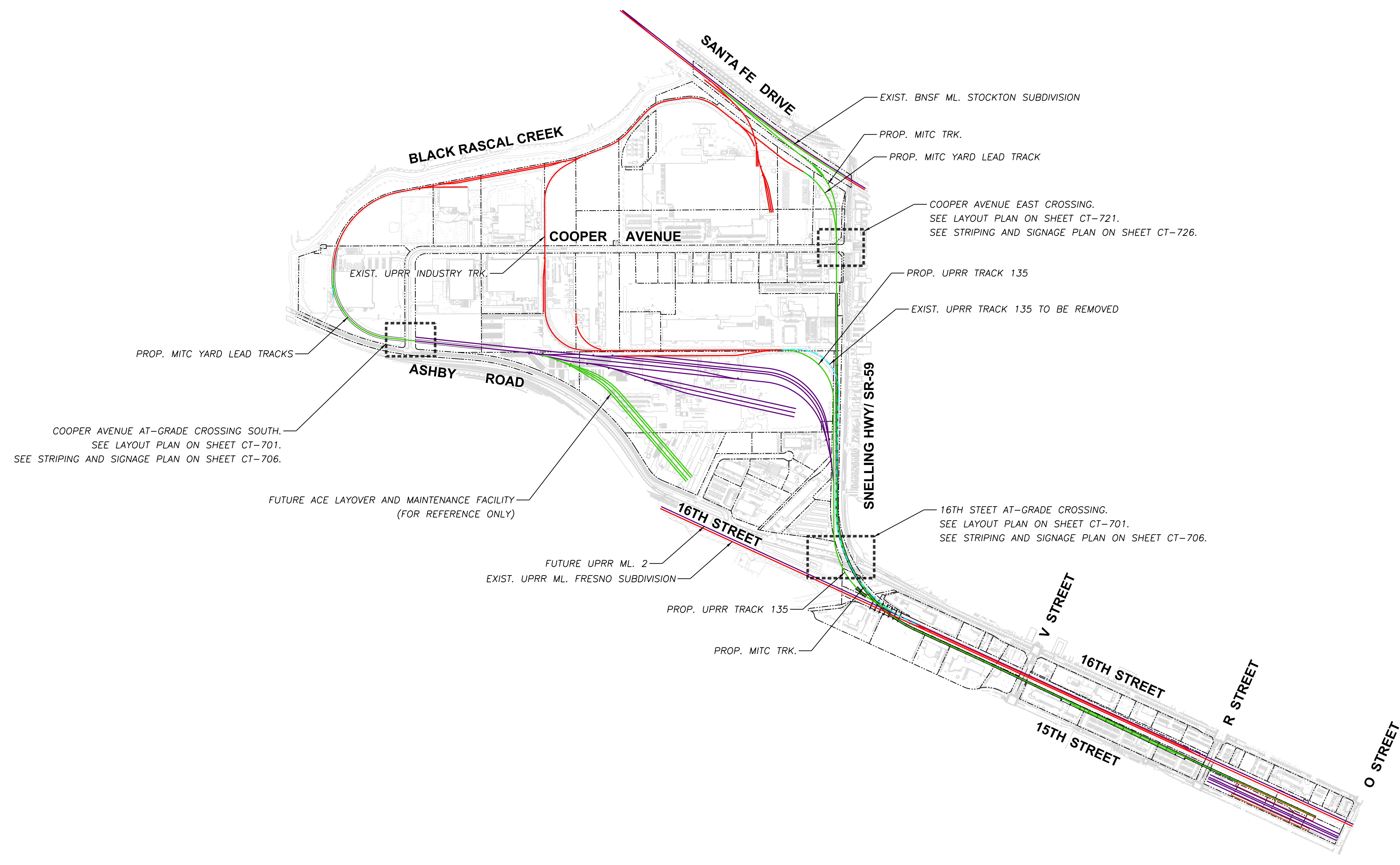
- EXISTING TRACK AND TURNOUTS
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- SHIFT TRACK
- ROW LINE



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SCALE: AS NOTED		CT-126																													
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		SHEET 16 OF 69																													

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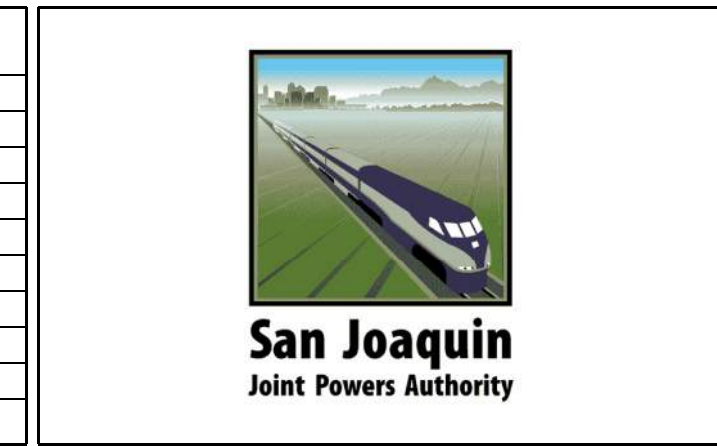
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MARK	DATE	DESCRIPTION
	2/2/2024	15% SUBMITTAL

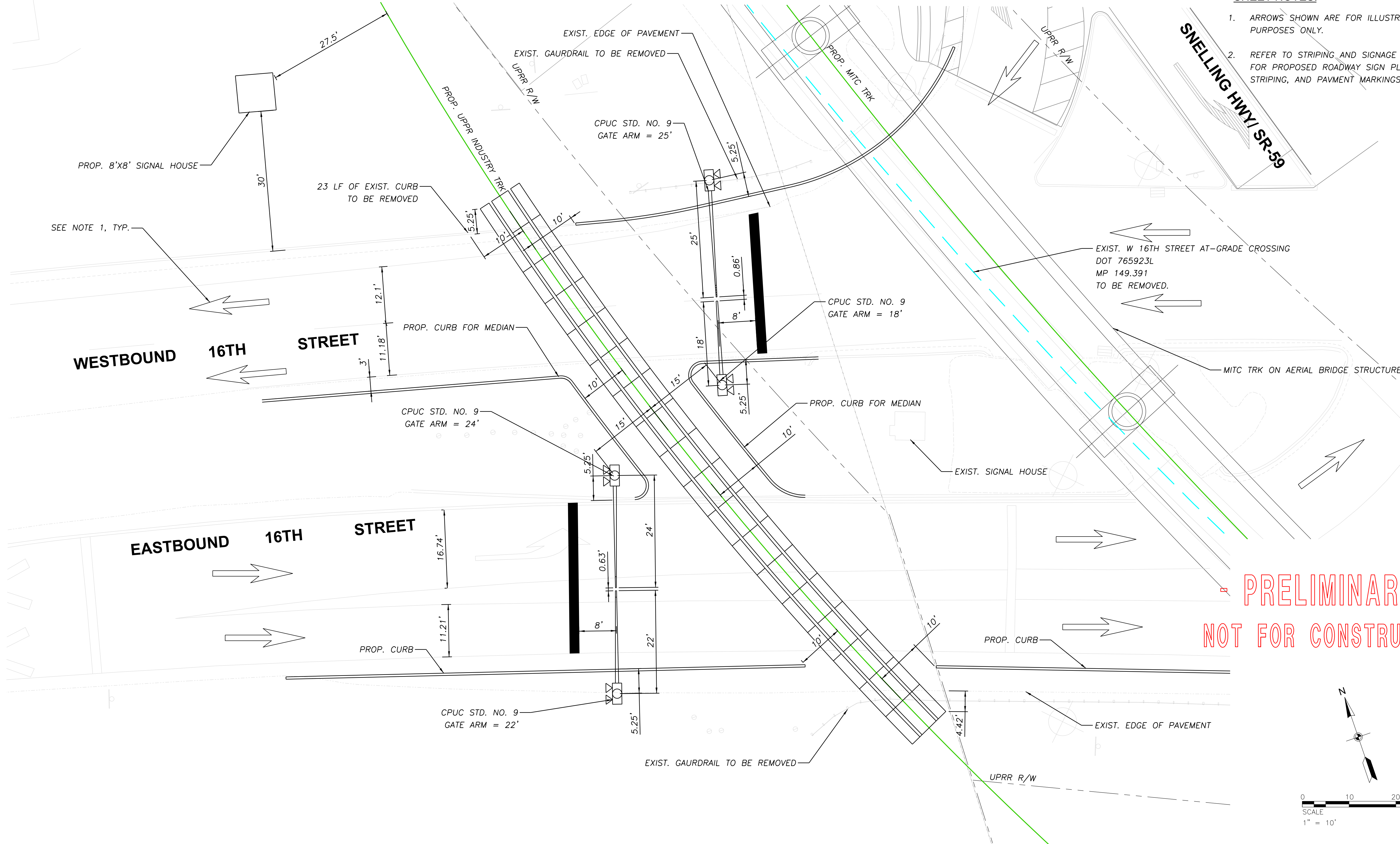


SAN JOAQUIN JOINT POWERS AUTHORITY  
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 MERCED, CA

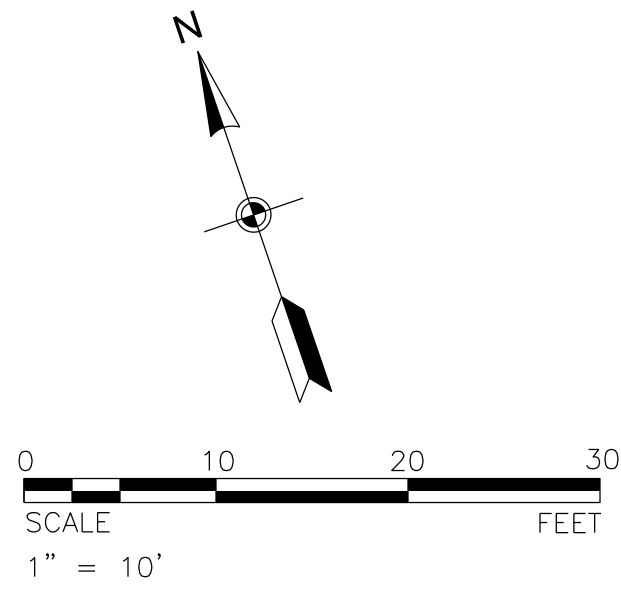
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PROJ NO: 22311 SCALE: AS NOTED DATE: 2/27/2024 DESIGNED BY: MA/KZ	SHEET NO. <b>CT-700</b> SHEET 17 OF 69

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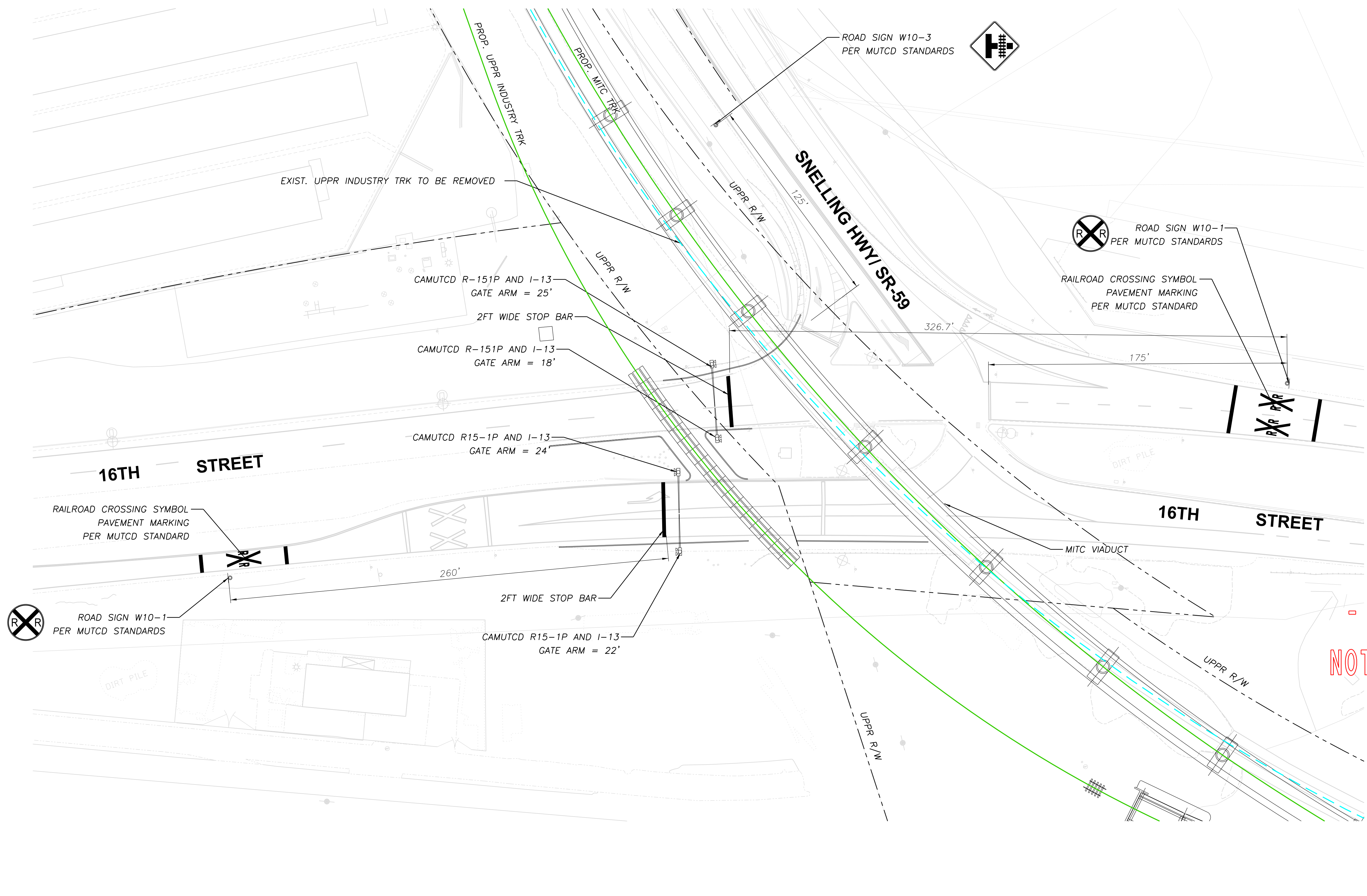


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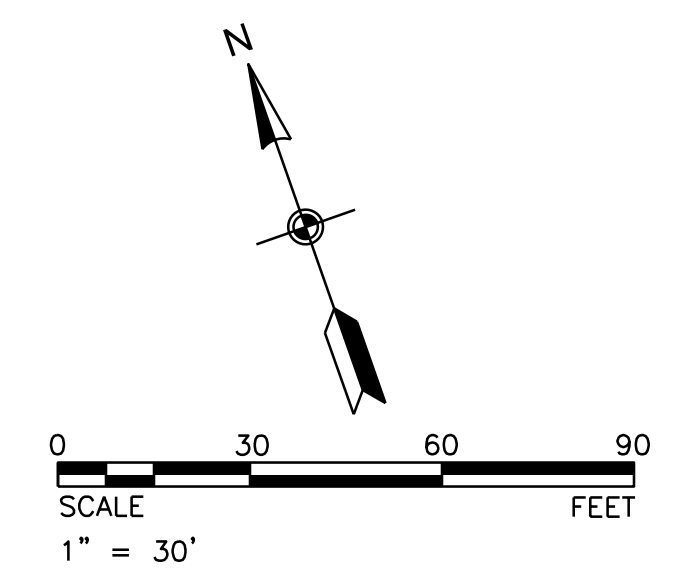
	 383 4th Street, Set 201 Oakland, CA 94607 T: 925.400.4356 www.jmacivil.com	 2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com		<b>DRAFT</b> NOT FOR CONSTRUCTION  2/2/2024	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION																																		 SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION MERCED, CA	SHEET TITLE: <b>16TH STREET          AT-GRADE CROSSING LAYOUT</b>  <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>PROJ NO: 22311</td> <td>SHEET NO.</td> </tr> <tr> <td>SCALE: AS NOTED</td> <td>CT-701</td> </tr> <tr> <td>DATE: 1/31/2024</td> <td>SHEET 18 OF 69</td> </tr> <tr> <td>DESIGNED BY: MA/KZ</td> <td></td> </tr> </table>	PROJ NO: 22311	SHEET NO.	SCALE: AS NOTED	CT-701	DATE: 1/31/2024	SHEET 18 OF 69	DESIGNED BY: MA/KZ	
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PROJ NO: 22311	SHEET NO.																																																		
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DATE: 1/31/2024	SHEET 18 OF 69																																																		
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SUBCONSULTANT:		PRIME CONSULTANT:		PROFESSIONAL SEAL:		ISSUE:		MARK		DATE		DESCRIPTION																																							




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PROJ NO: 22311 SCALE: AS NOTED DATE: 1/31/2024 DESIGNED BY: MA/KZ	SHEET NO. <p style="text-align: center; font-weight: bold;">CT-702</p> SHEET 19 OF 69													

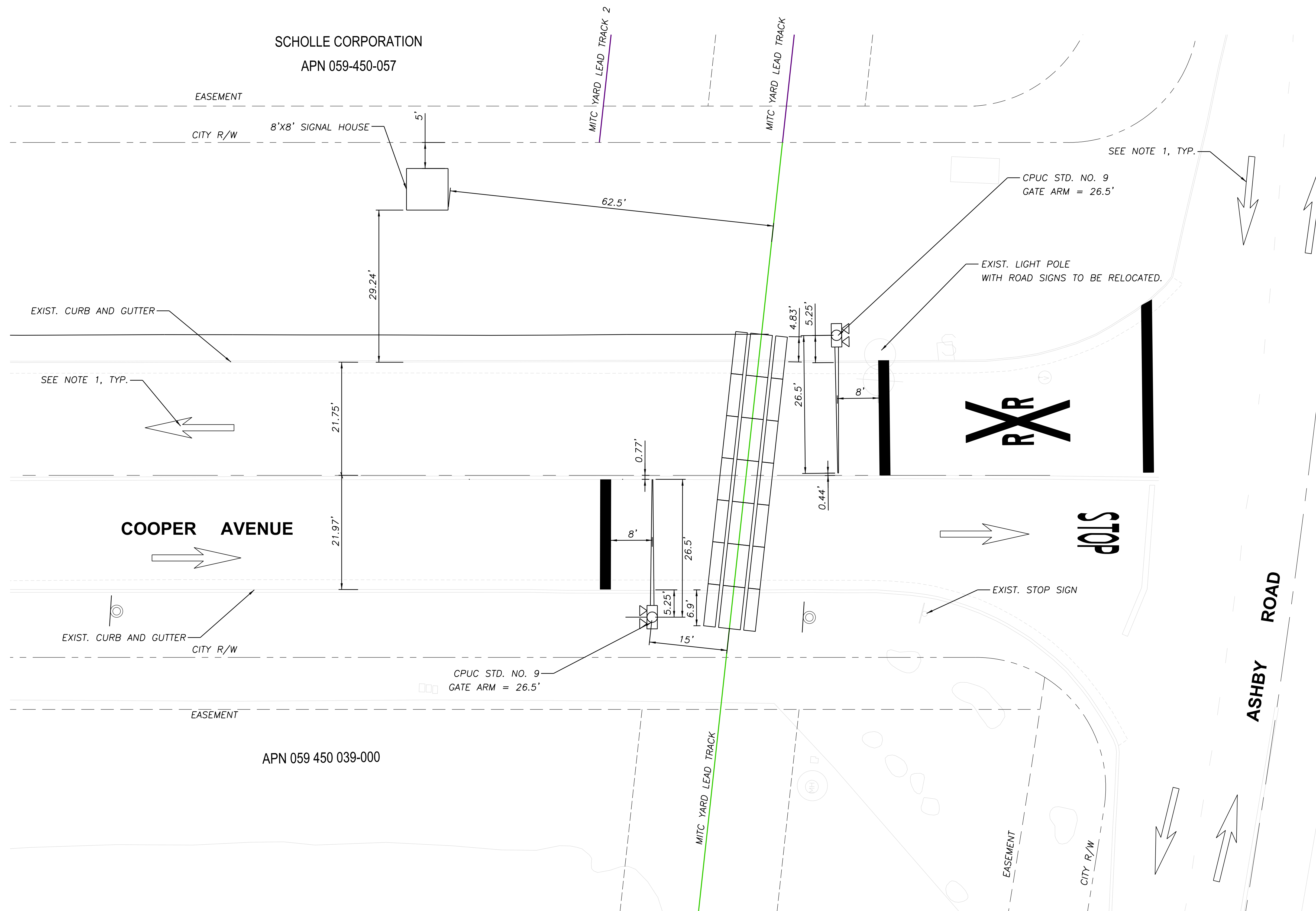
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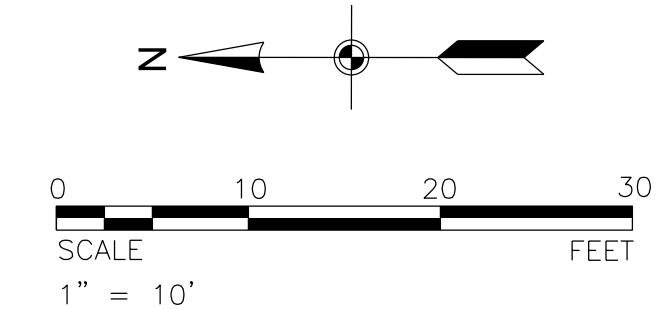
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2/2/2024

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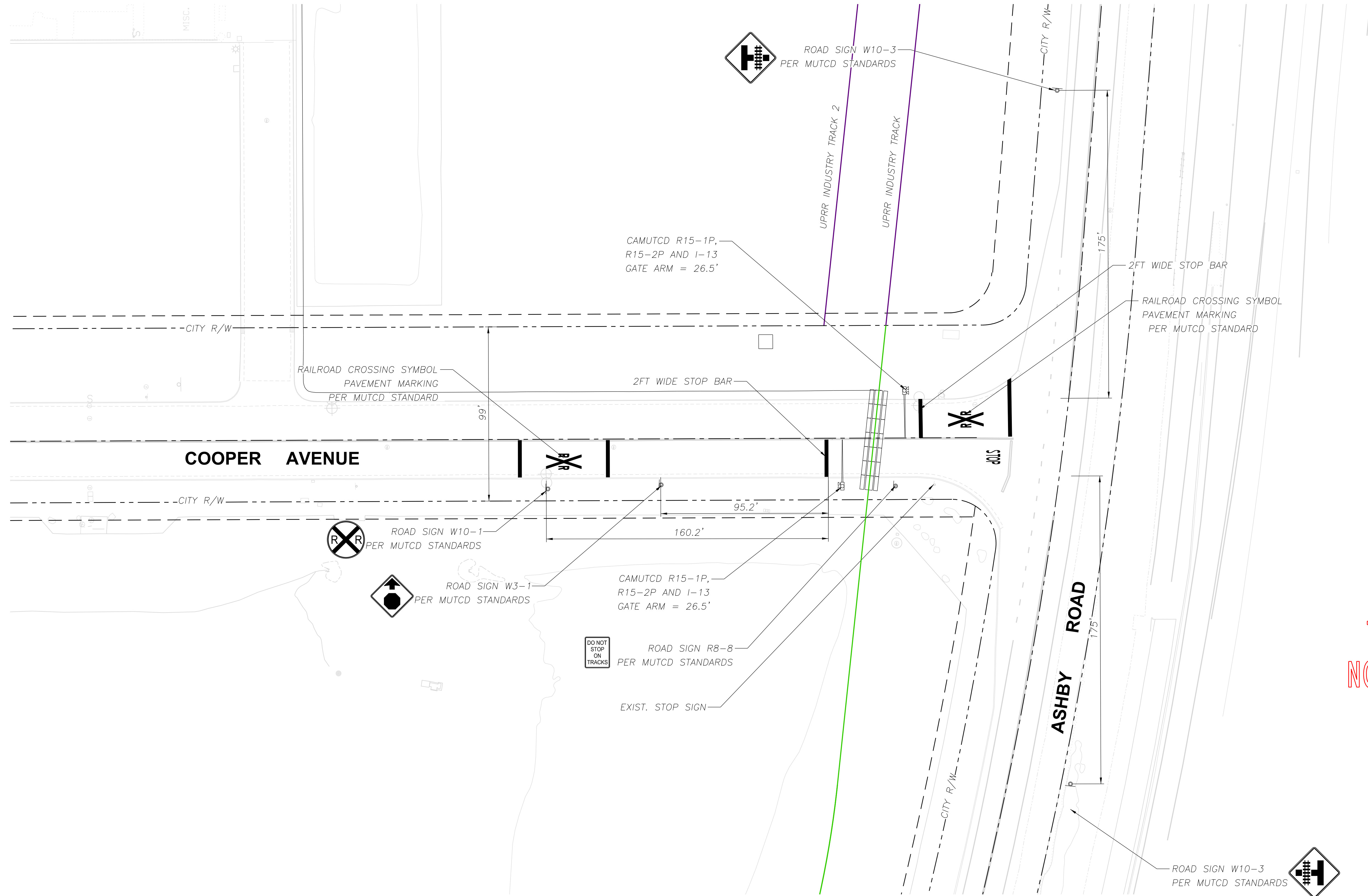
San Joaquin  
Joint Powers Authority

SAN JOAQUIN JOINT POWERS AUTHORITY  
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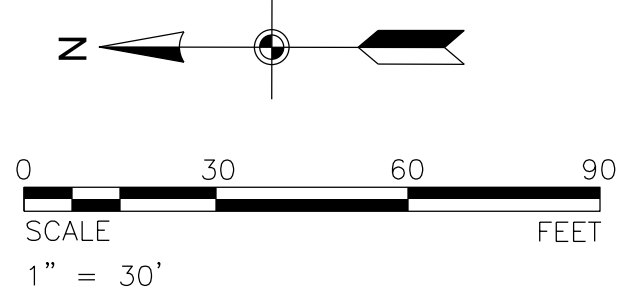
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AT-GRADE CROSSING LAYOUT

PROJ NO: 22311	SHEET NO.
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DATE: 2/27/2024	SHEET 20 OF 69
DESIGNED BY: MA/KZ	

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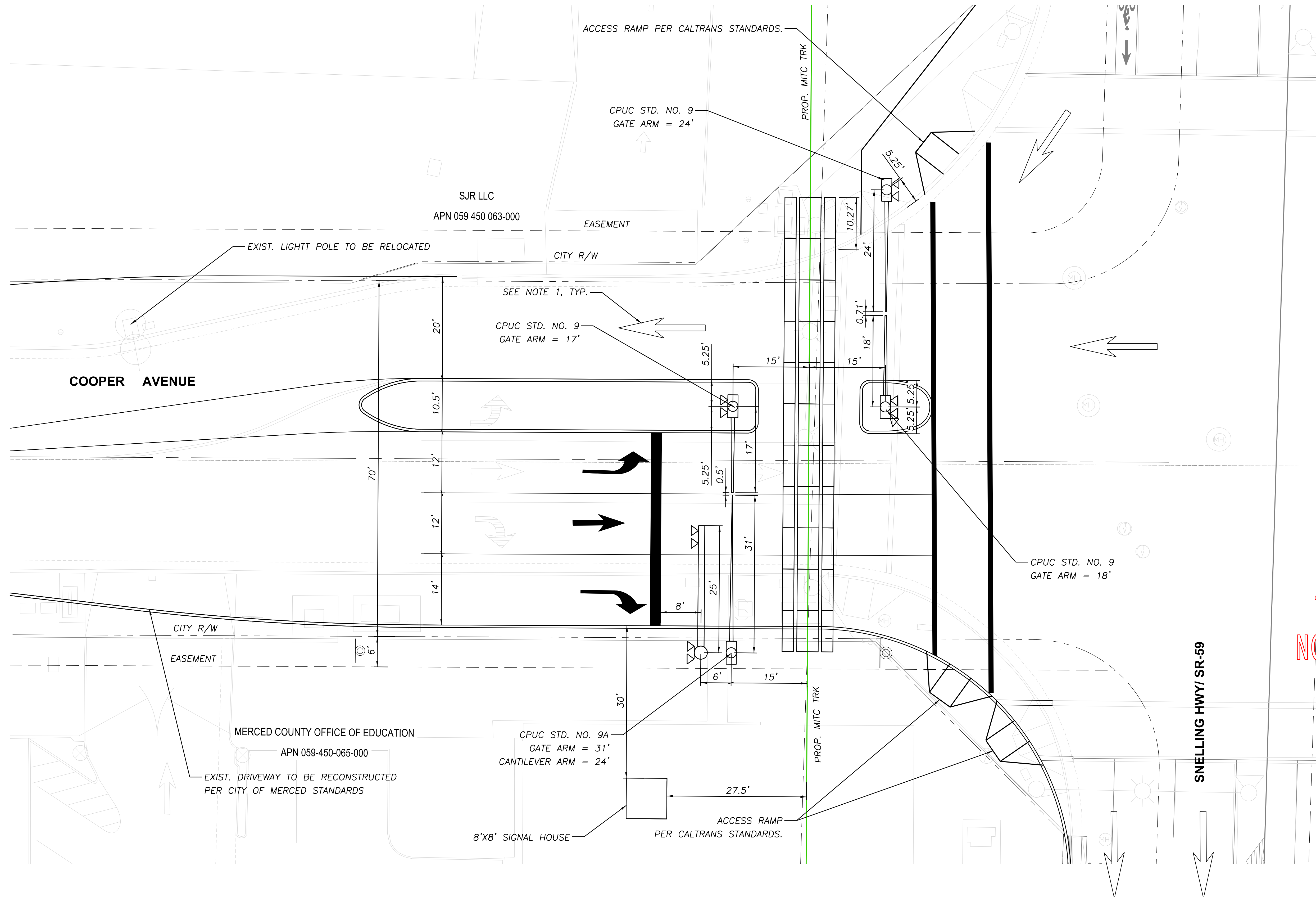
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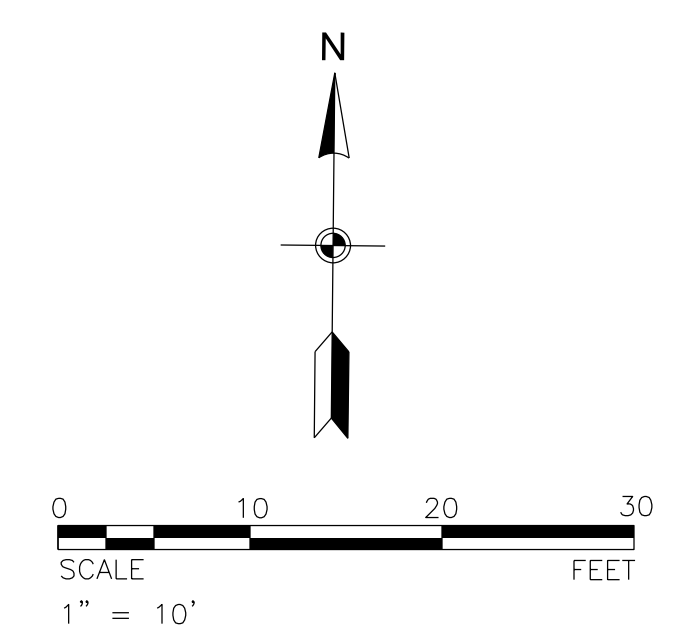
 383 4th Street, Set 201 Oakland, CA 94607 T: 925.400.4356 www.jmacivil.com		 2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com		DRAFT NOT FOR CONSTRUCTION  2/2/2024		REVISIONS:			SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION MERCED, CA		SHEET TITLE: COOPER AVENUE SOUTH LOCATION STRIPING AND SIGNAGE PLAN	
						2/2/2024      15% SUBMITTAL	MARK      DATE      DESCRIPTION				PROJ NO: 22311 SCALE: AS NOTED DATE: 2/27/2024 DESIGNED BY: MA/KZ	SHEET NO. CT-712 SHEET 21 OF 69
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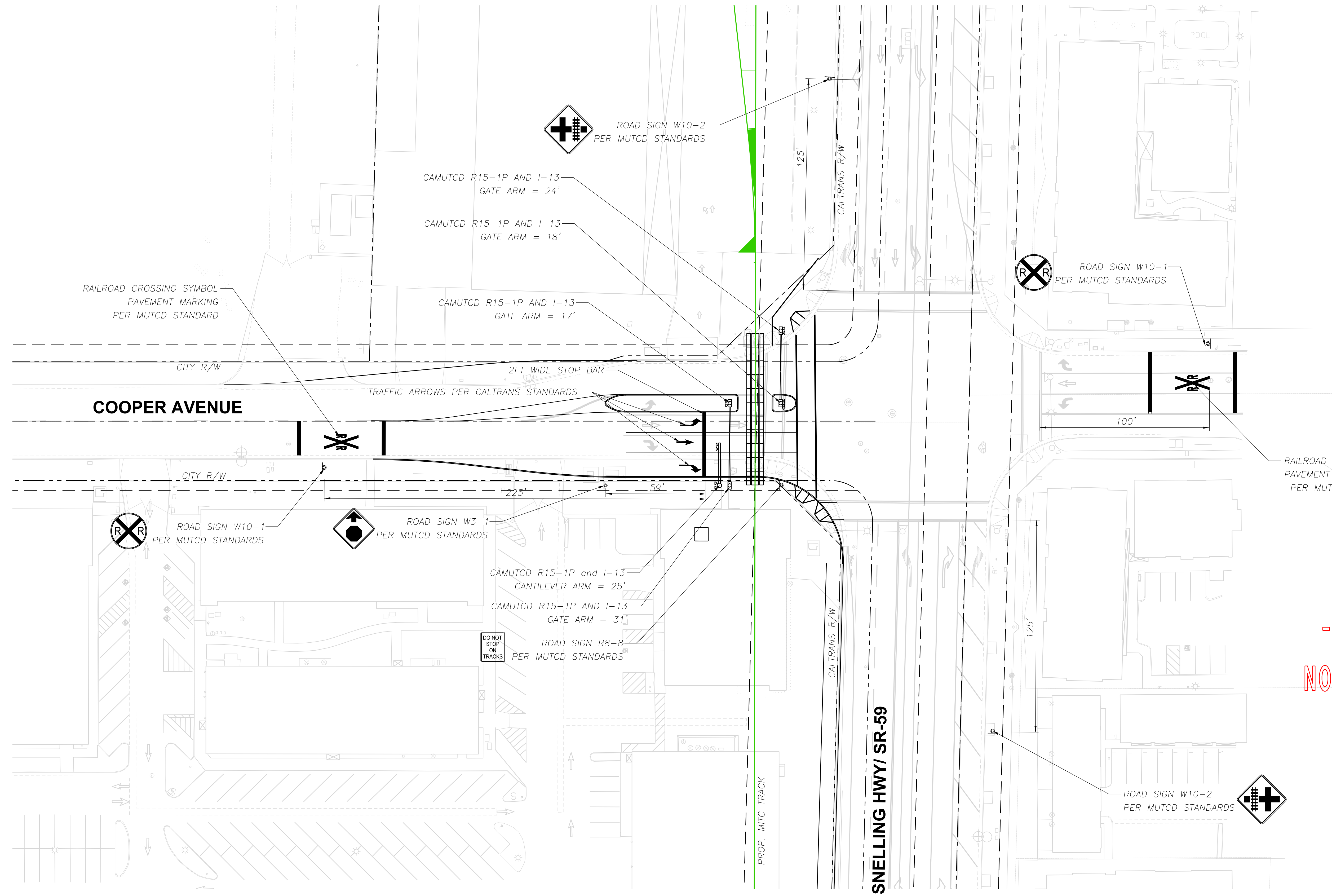
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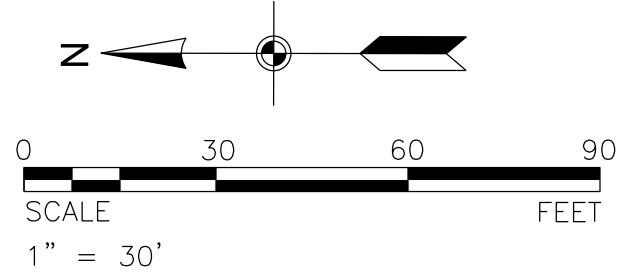
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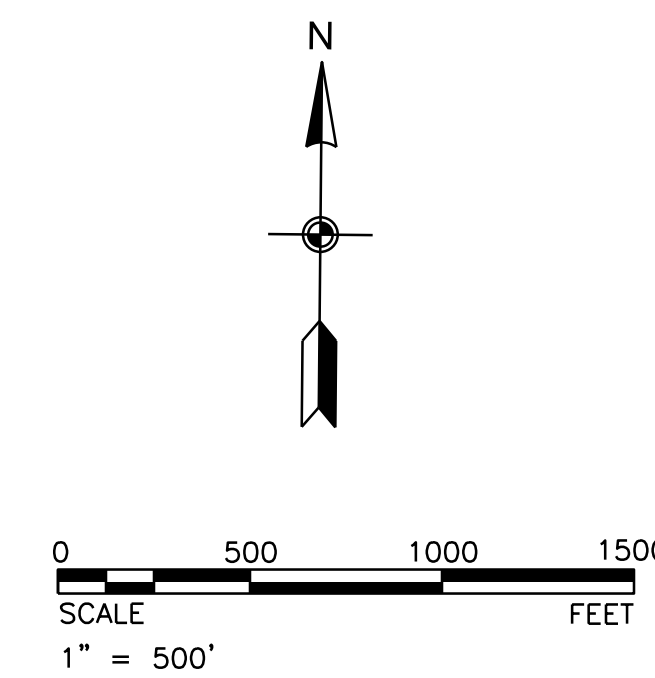
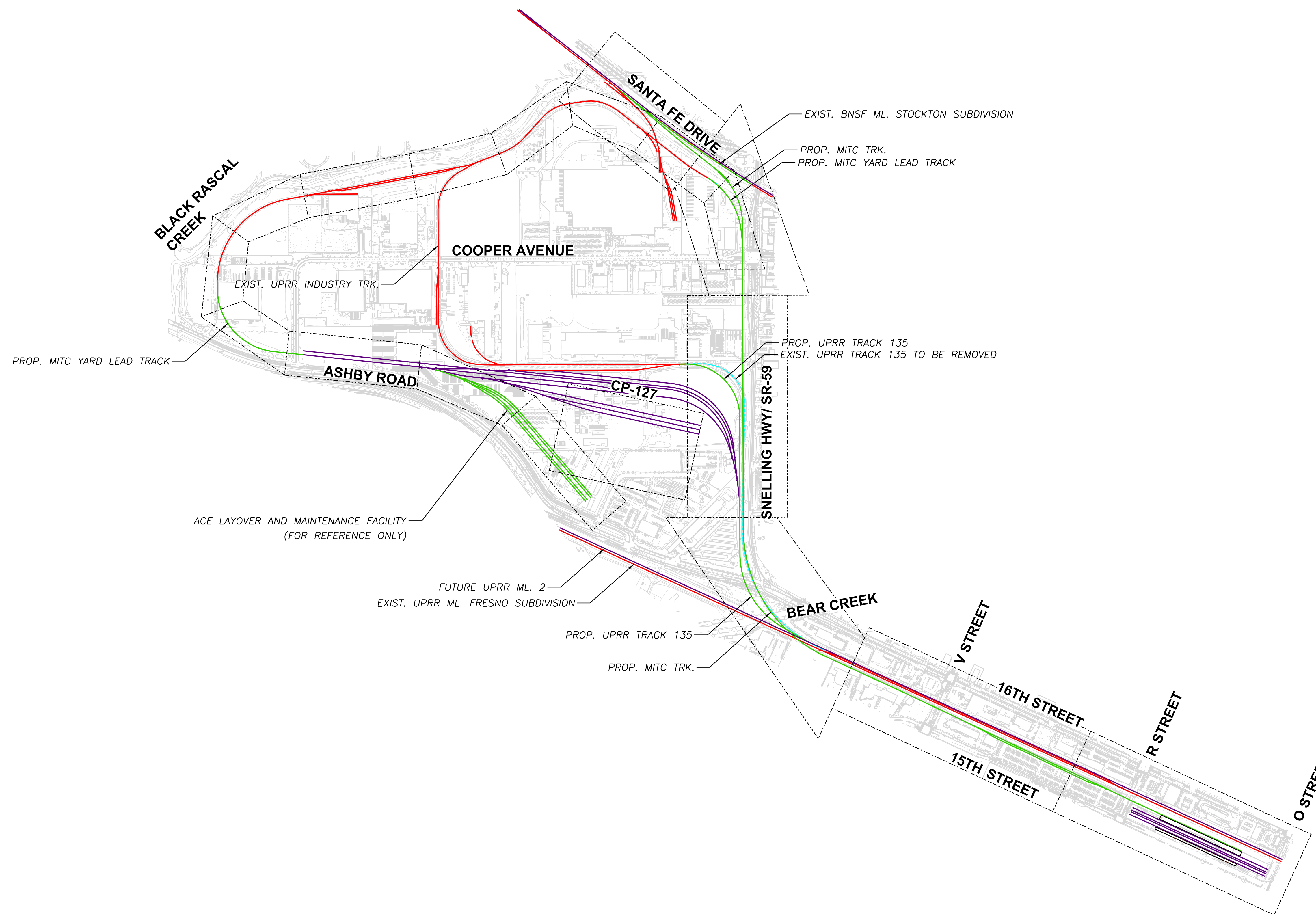


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MARK	DATE	DESCRIPTION										
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SCALE: AS NOTED	CT-722											
DATE: 6/14/2024	SHEET OF 69											

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SUBCONSULTANT:

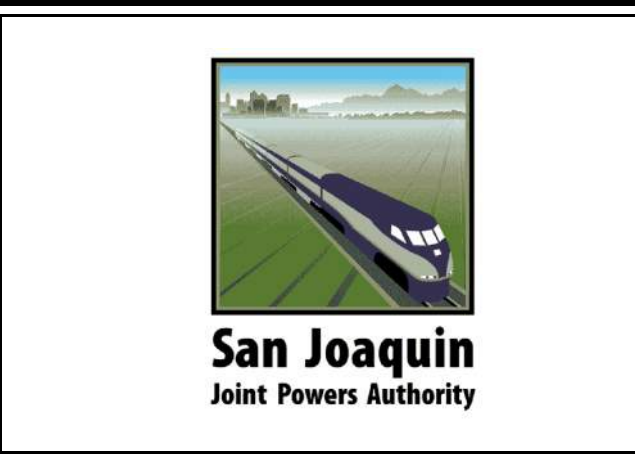
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3/12/2024

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REVISIONS:		
MARK	DATE	DESCRIPTION
01/12/2024		15% SUBMITTAL



SAN JOAQUIN JOINT POWERS AUTHORITY  
MERCED INTERMODAL  
TRACK CONNECTION  
MERCED, CA

SHEET TITLE:  
**KEY MAP MITC PLAN**

PROJ NO: 22311 SCALE: AS NOTED DATE: 3/12/2024 DESIGNED BY: DH/GC	SHEET NO. <b>CP-100</b> SHEET 24 OF 69
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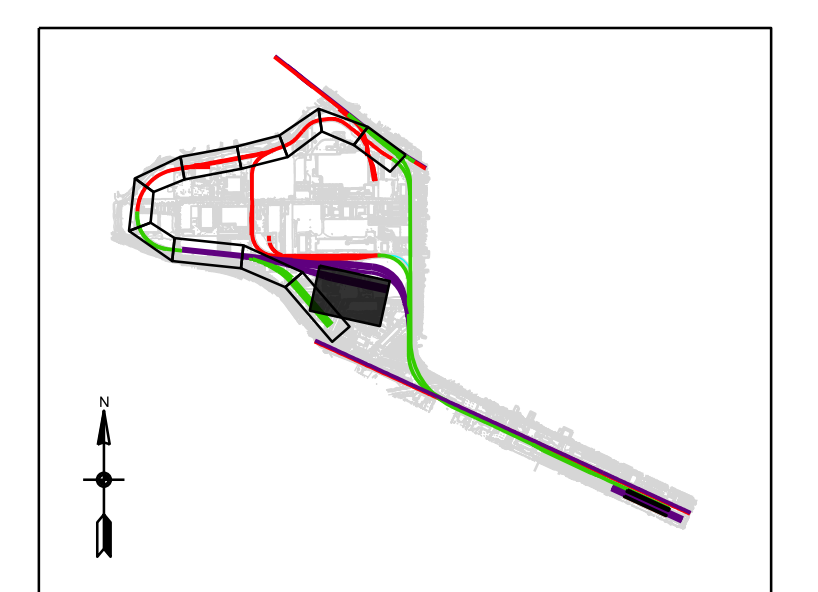


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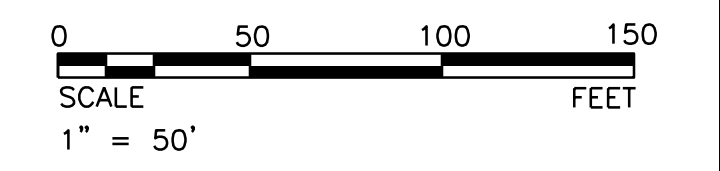
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2. BNSF MAINLINE STATION AND MILE POST ARE BASED ON BNSF VAL MAP 143615.
3. UTILITY LOCATES AND POTHOLES HAVE NOT BEEN PERFORMED.

**LEGEND**

- EXISTING TRACK AND TURNOUTS
- PROPOSED RAIL AND TURNOUTS
- YARD TRACK
- - - - - REMOVED TRACK
- - - - - ROW LINE



KEY MAP  
NOT TO SCALE



SUBCONSULTANT:

SUBCONSULTANT:

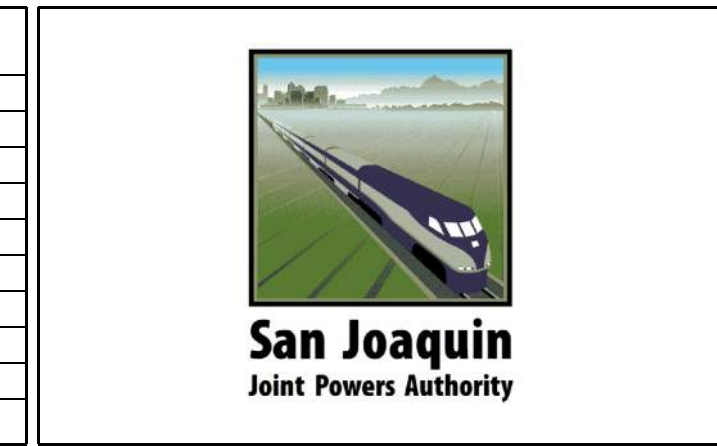
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3/12/2024

REVISIONS:

MARK	DATE	DESCRIPTION
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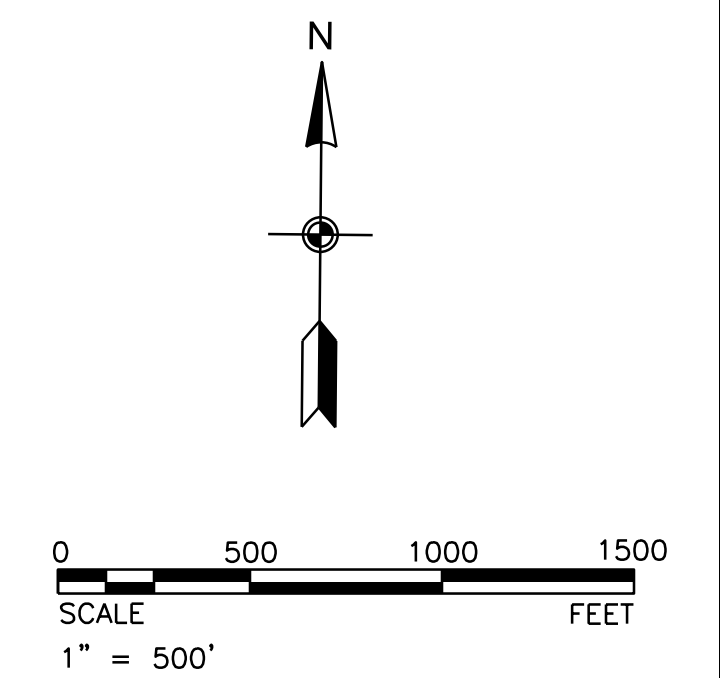
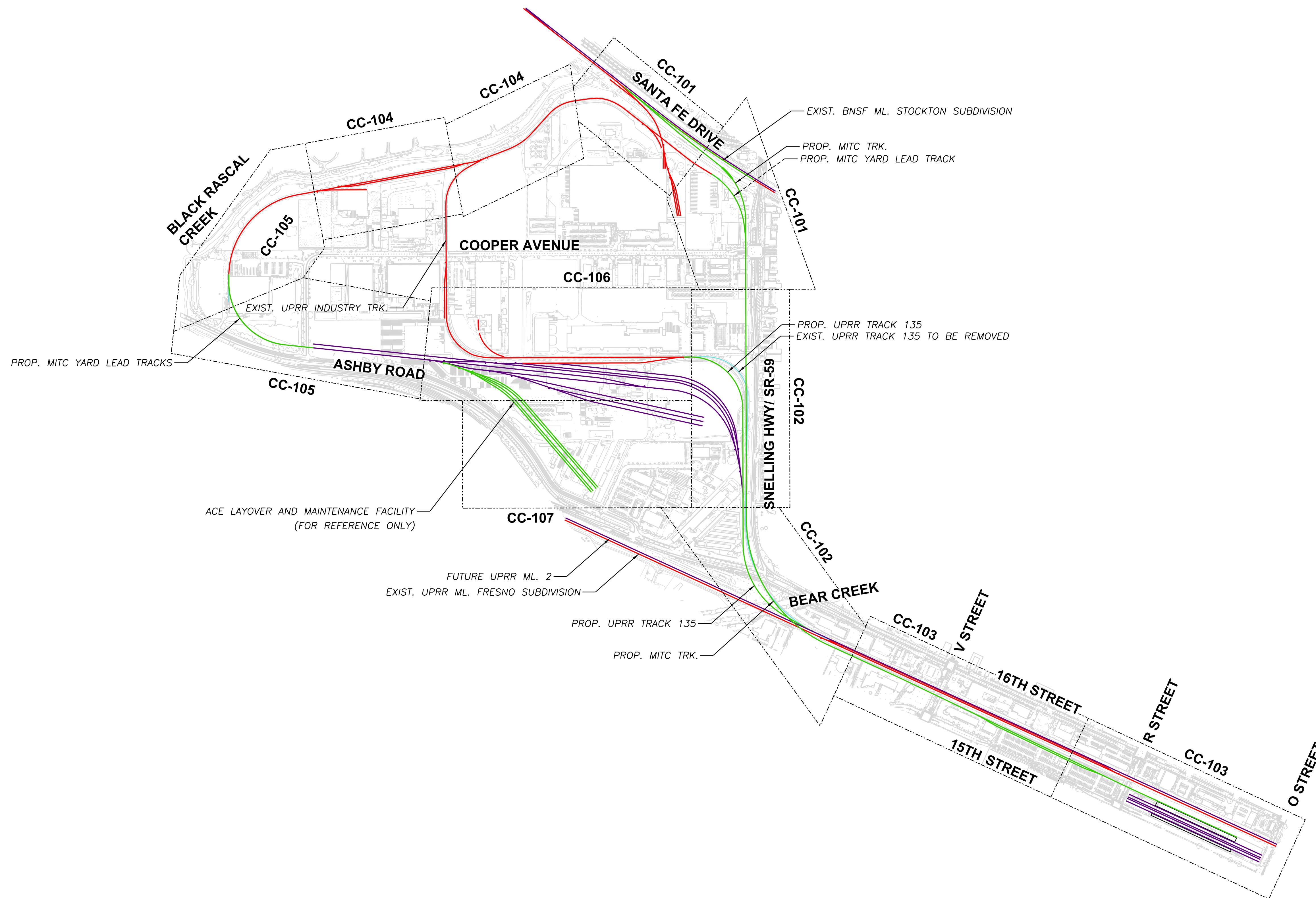


**SAN JOAQUIN JOINT POWERS AUTHORITY  
MERCED INTERMODAL  
TRACK CONNECTION  
MERCED, CA**


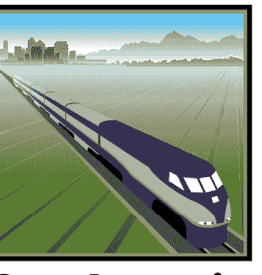
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PLAN**

PROJ NO: 22311  
SCALE: AS NOTED  
DATE: 3/12/2024  
DESIGNED BY: DH/GC

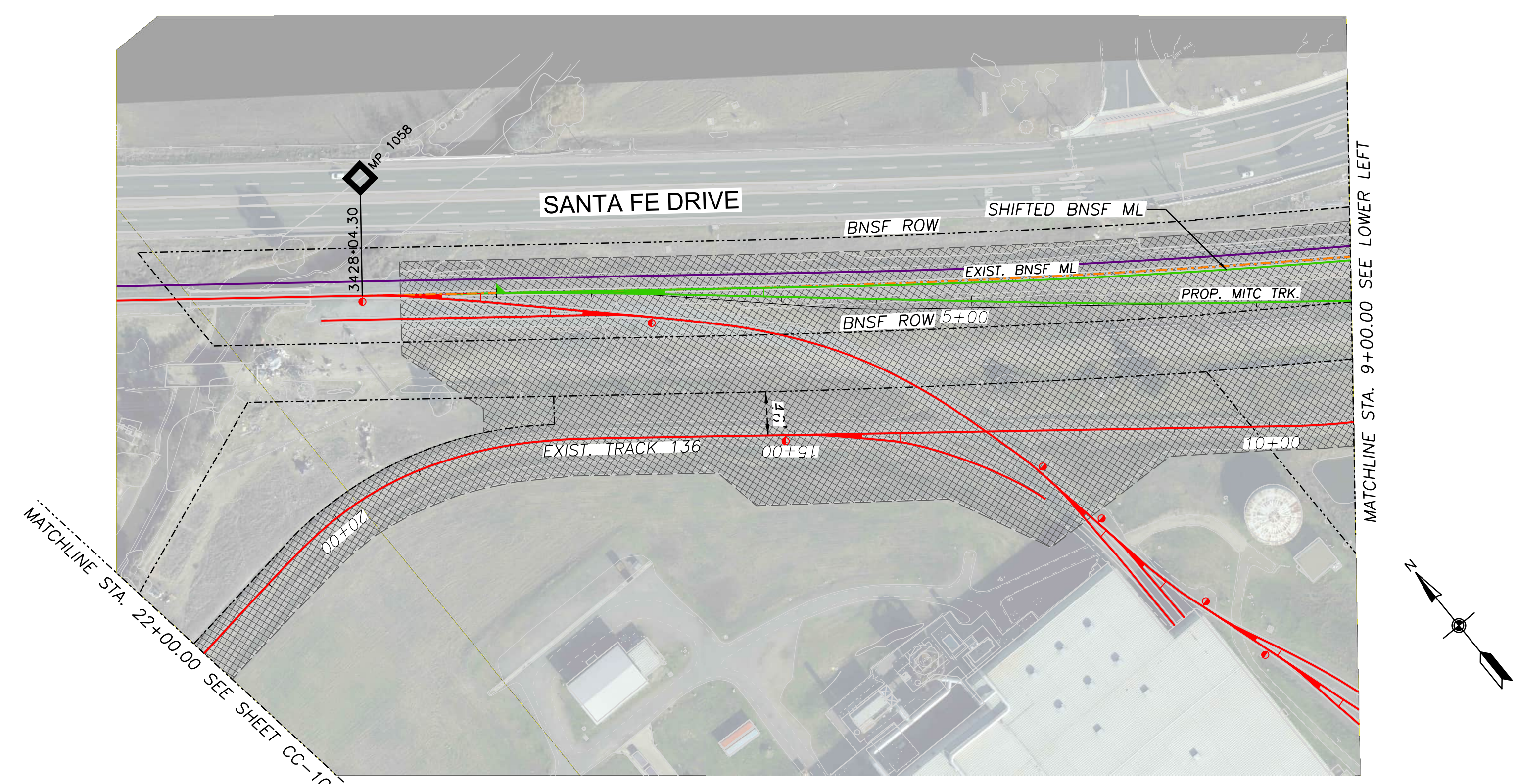
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**CP-127**  
SHEET 25 OF 69



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		 2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5300 www.aecom.com	<b>DRAFT</b> NOT FOR CONSTRUCTION  6/11/2024	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td></td> <td>01/12/2024</td> <td>15% SUBMITTAL</td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION		01/12/2024	15% SUBMITTAL	 <b>San Joaquin</b> Joint Powers Authority	SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION MERCED, CA	SHEET TITLE: <p style="text-align: center;"><b>KEY MAP MITC TEMPORARY CONSTRUCTION AREA</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">           PROJ NO: 22311            SCALE: AS NOTED            DATE: 6/11/2024            DESIGNED BY: DH/GC         </td> <td style="width: 50%;">           SHEET NO.  <p style="text-align: center;"><b>CC-100</b></p>           SHEET OF         </td> </tr> </table>	PROJ NO: 22311 SCALE: AS NOTED DATE: 6/11/2024 DESIGNED BY: DH/GC	SHEET NO. <p style="text-align: center;"><b>CC-100</b></p> SHEET OF
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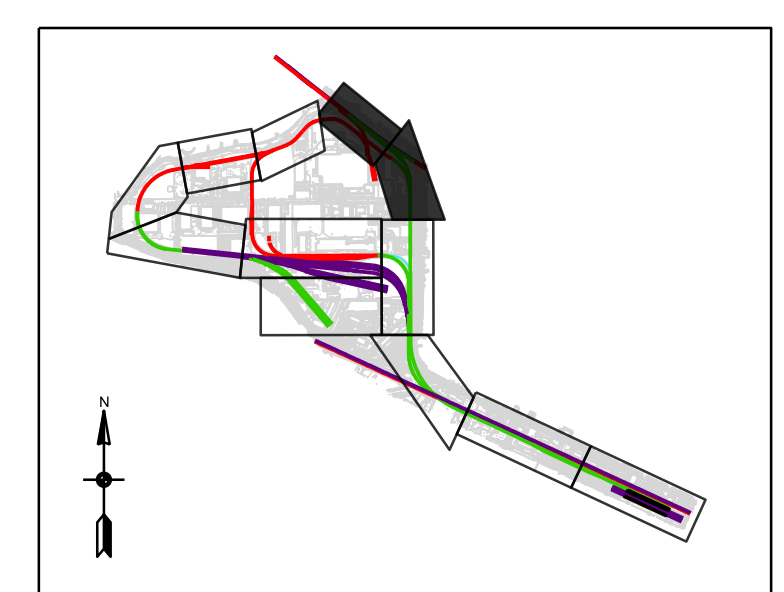
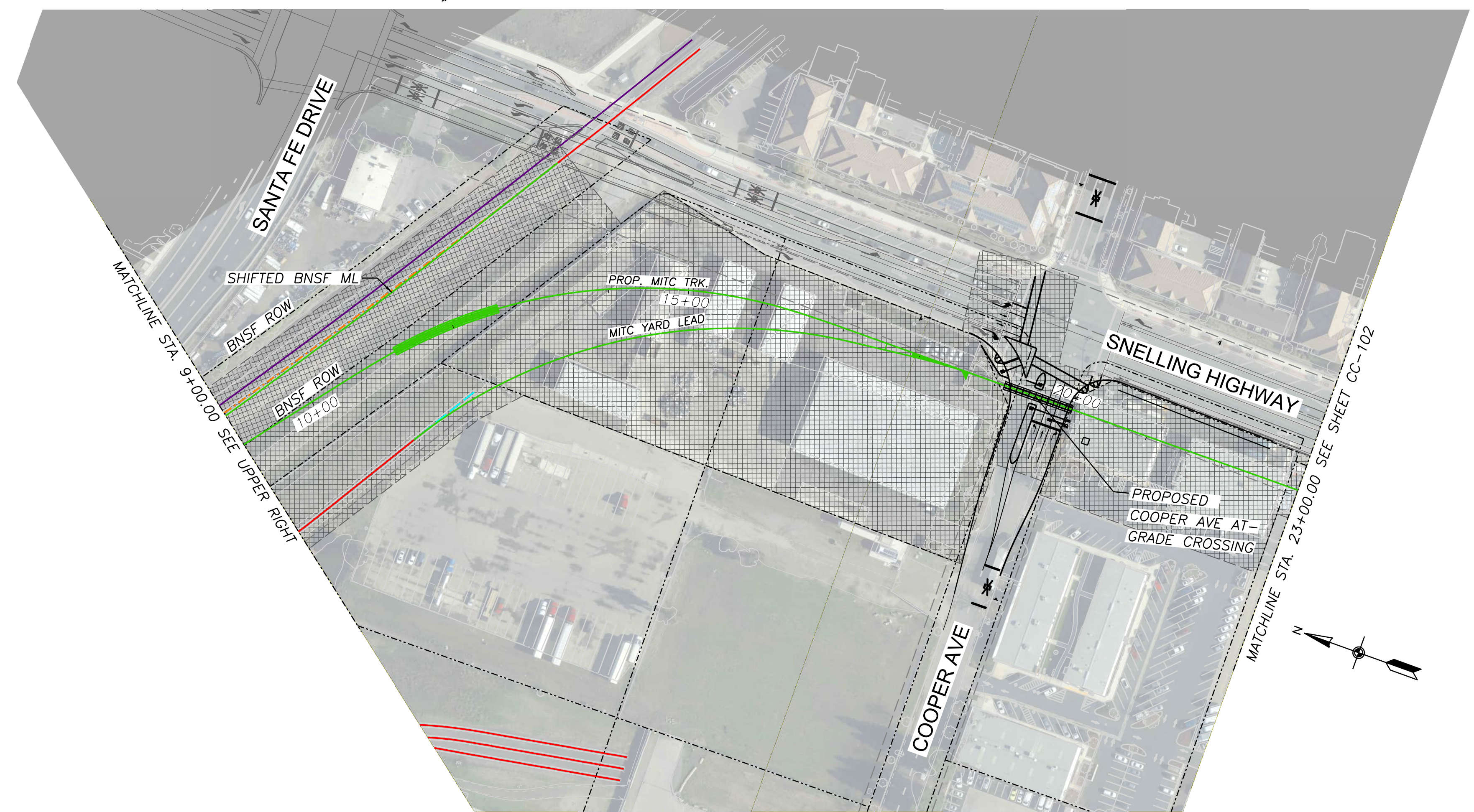
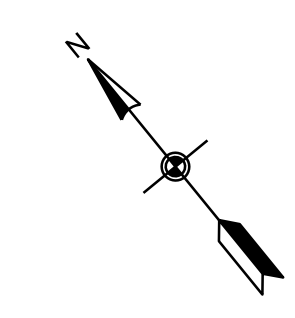


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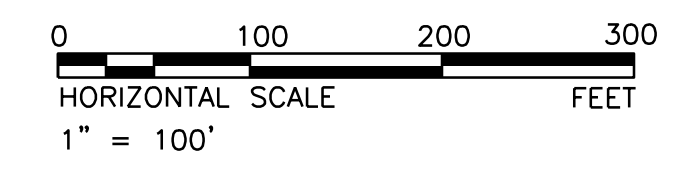
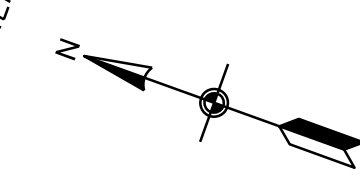
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2. BNSF MAINLINE STATION AND MILE POST ARE BASED ON BNSF VAL MAP 143615.
3. UTILITY LOCATES AND POTHOLING HAVE NOT BEEN PERFORMED.

**LEGEND**

- EXISTING TRACK AND TURNOUTS
- PROPOSED RAIL AND TURNOUTS
- FUTURE TRACK
- - - - - ROW LINE
- TEMPORARY CONSTRUCTION AREA



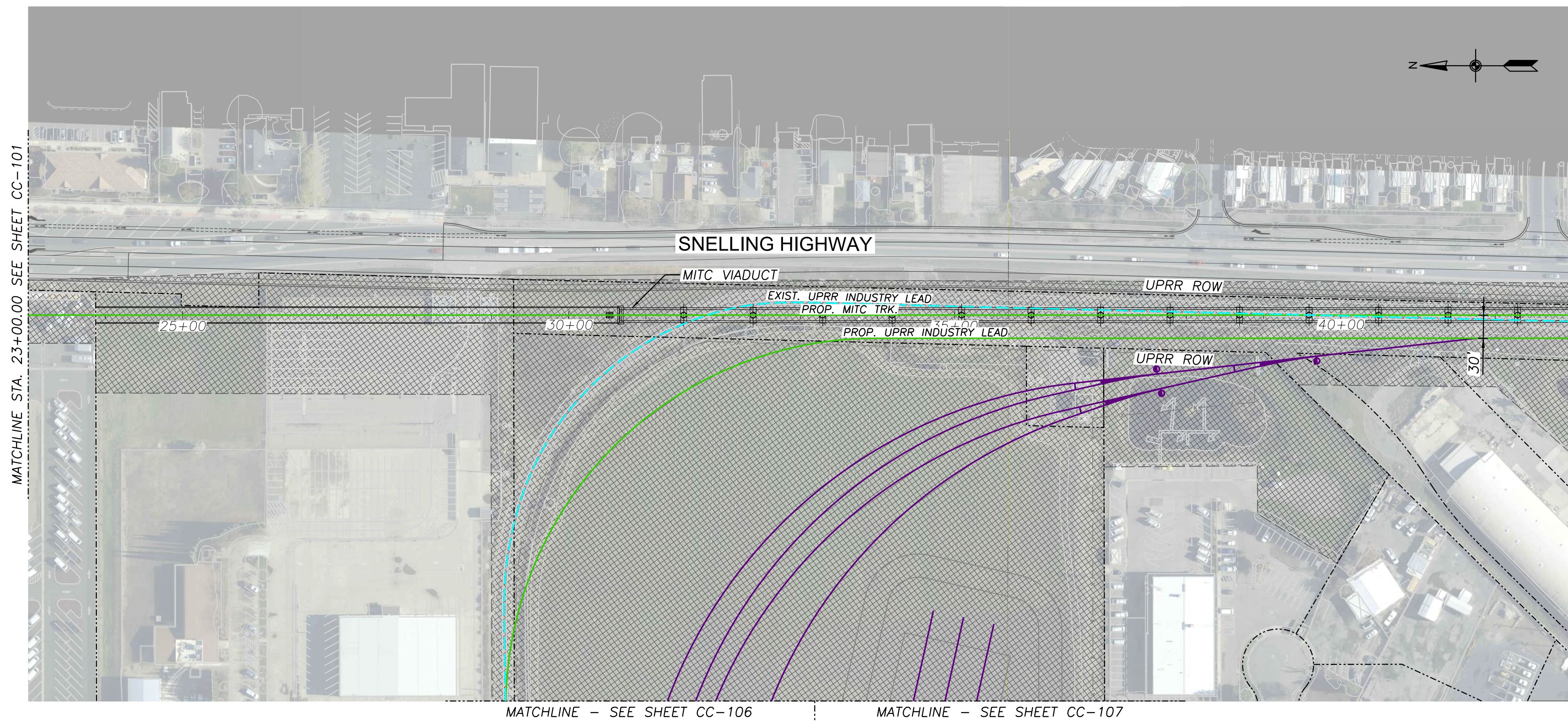
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NOT TO SCALE



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		<p>2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5300 www.aecom.com</p>	<p><b>DRAFT</b> NOT FOR CONSTRUCTION</p> <p>3/12/2024</p>	<p>REVISIONS:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>01/12/2024</td> <td>15% SUBMITTAL</td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION	01	01/12/2024	15% SUBMITTAL	<p><b>San Joaquin</b> Joint Powers Authority</p>	<p>SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION MERCED, CA</p>	<p>SHEET TITLE:</p> <p style="text-align: center;"><b>MITC TRACK TEMPORARY CONSTRUCTION AREA PLAN</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>PROJ NO: 22311</td> <td>SHEET NO.</td> </tr> <tr> <td>SCALE: AS NOTED</td> <td style="text-align: center;"><b>CC-101</b></td> </tr> <tr> <td>DATE: 3/12/2024</td> <td>SHEET 27 OF 69</td> </tr> <tr> <td>DESIGNED BY: DH/GC</td> <td></td> </tr> </table>	PROJ NO: 22311	SHEET NO.	SCALE: AS NOTED	<b>CC-101</b>	DATE: 3/12/2024	SHEET 27 OF 69	DESIGNED BY: DH/GC	
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SCALE: AS NOTED	<b>CC-101</b>																				
DATE: 3/12/2024	SHEET 27 OF 69																				
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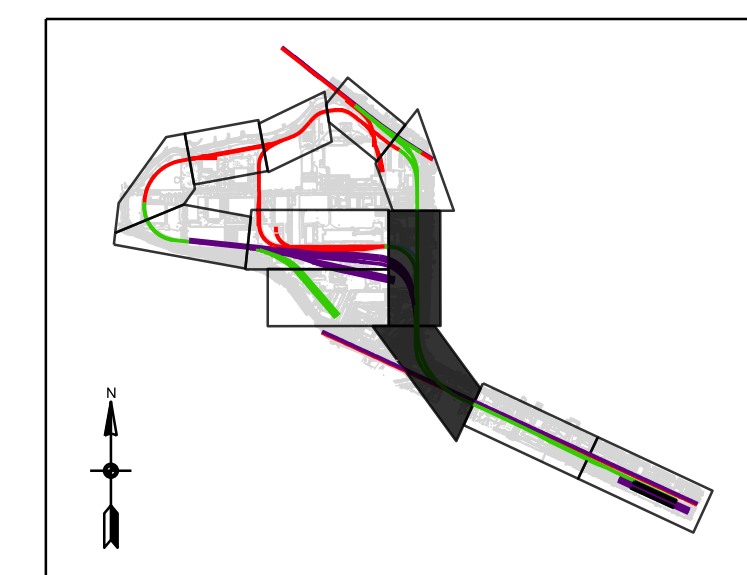
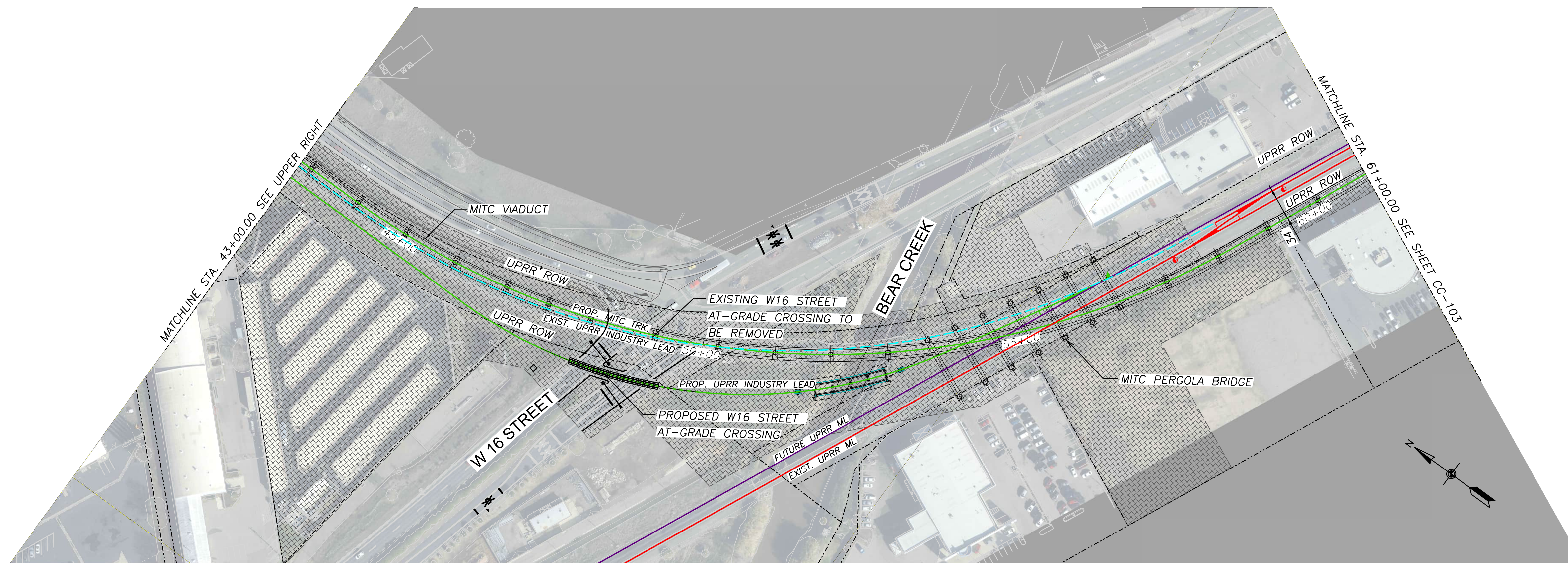


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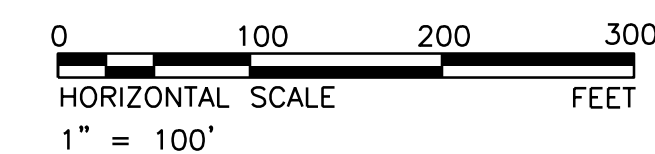
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2. BNSF MAINLINE STATION AND MILE POST ARE BASED ON BNSF VAL MAP 143615.
3. UTILITY LOCATES AND POTHOLING HAVE NOT BEEN PERFORMED.

**LEGEND**

- EXISTING TRACK AND TURNOUTS
- PROPOSED RAIL AND TURNOUTS
- FUTURE TRACK
- - - - - ROW LINE
- TEMPORARY CONSTRUCTION AREA



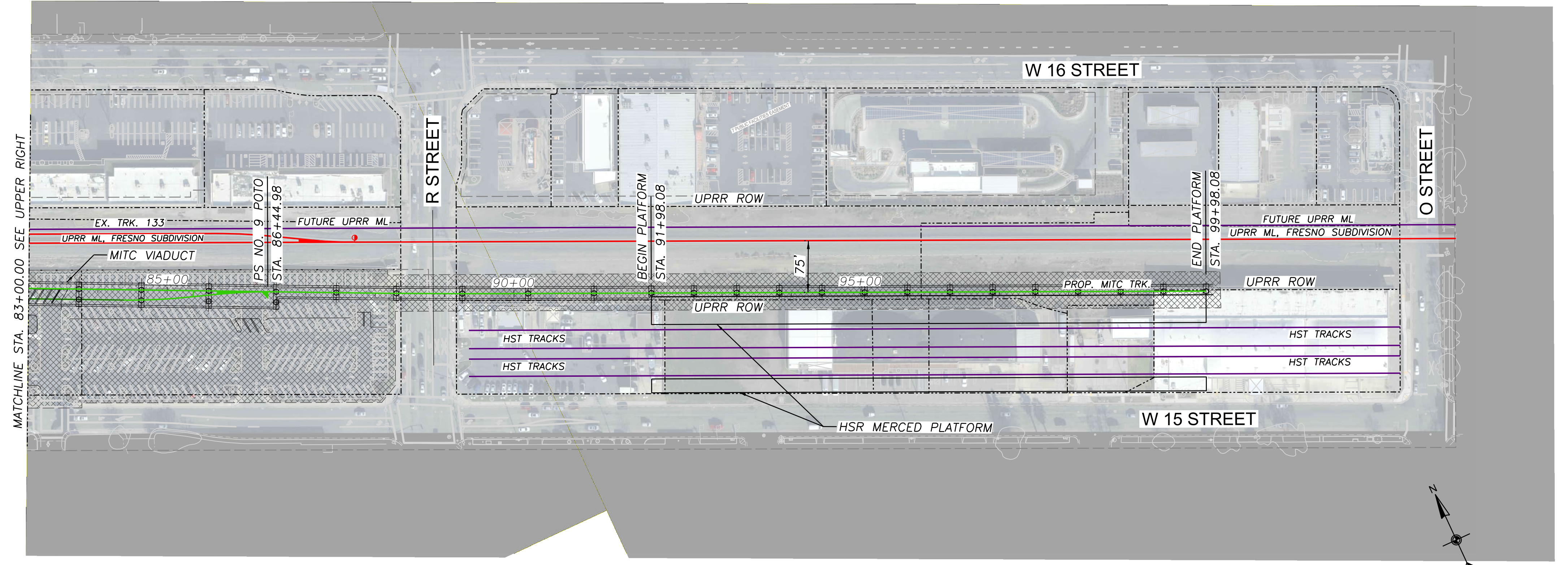
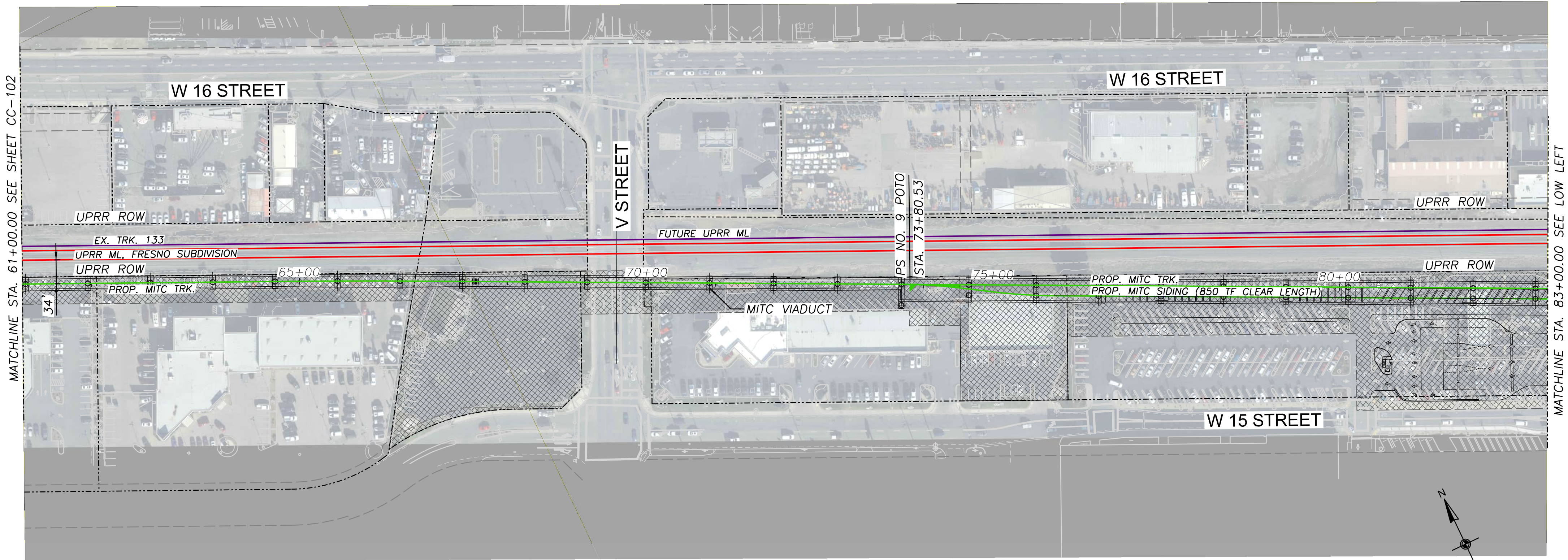
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		 2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com	<b>DRAFT</b> NOT FOR CONSTRUCTION  6/12/2024	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION																												 <b>San Joaquin</b> Joint Powers Authority	<b>SAN JOAQUIN JOINT POWERS AUTHORITY</b> <b>MERCED INTERMODAL</b> <b>TRACK CONNECTION</b> MERCED, CA	SHEET TITLE: <div style="text-align: center; border: 1px solid black; padding: 5px;"> <b>MITC TRACK</b>  <b>TEMPORARY CONSTRUCTION</b>  <b>AREA PLAN</b> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">           PROJ NO: 22311            SCALE: AS NOTED            DATE: 6/12/2024            DESIGNED BY: DH/GC         </td> <td style="width: 50%;">           SHEET NO.  <div style="text-align: center; border: 1px solid black; padding: 2px;"> <b>CC-102</b> </div>           SHEET OF         </td> </tr> </table>	PROJ NO: 22311 SCALE: AS NOTED DATE: 6/12/2024 DESIGNED BY: DH/GC	SHEET NO. <div style="text-align: center; border: 1px solid black; padding: 2px;"> <b>CC-102</b> </div> SHEET OF
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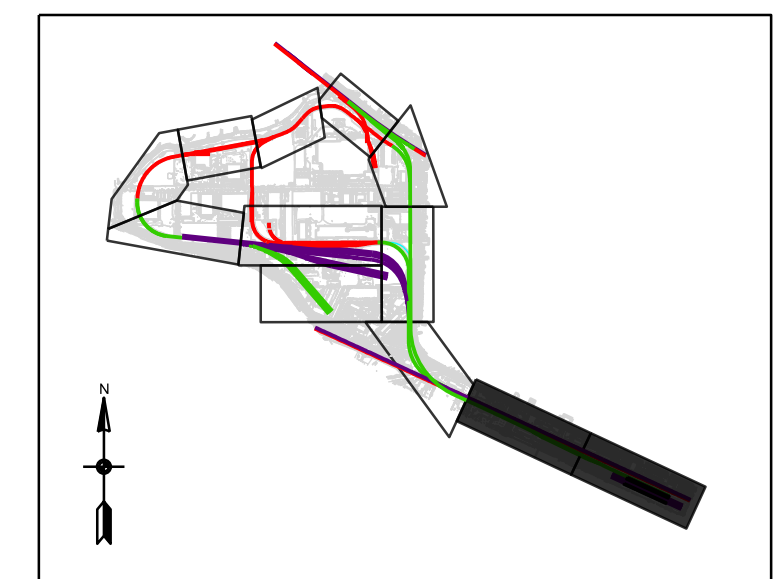


**DESIGN NOTES**

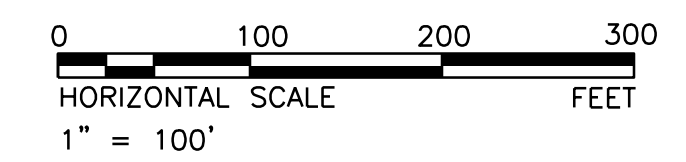
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2. BNSF MAINLINE STATION AND MILE POST ARE BASED ON BNSF VAL MAP 143615.
3. UTILITY LOCATES AND POTHOLING HAVE NOT BEEN PERFORMED.

**LEGEND**

- EXISTING TRACK AND TURNOUTS
- PROPOSED RAIL AND TURNOUTS
- FUTURE TRACK
- - - - - ROW LINE
- TEMPORARY CONSTRUCTION AREA



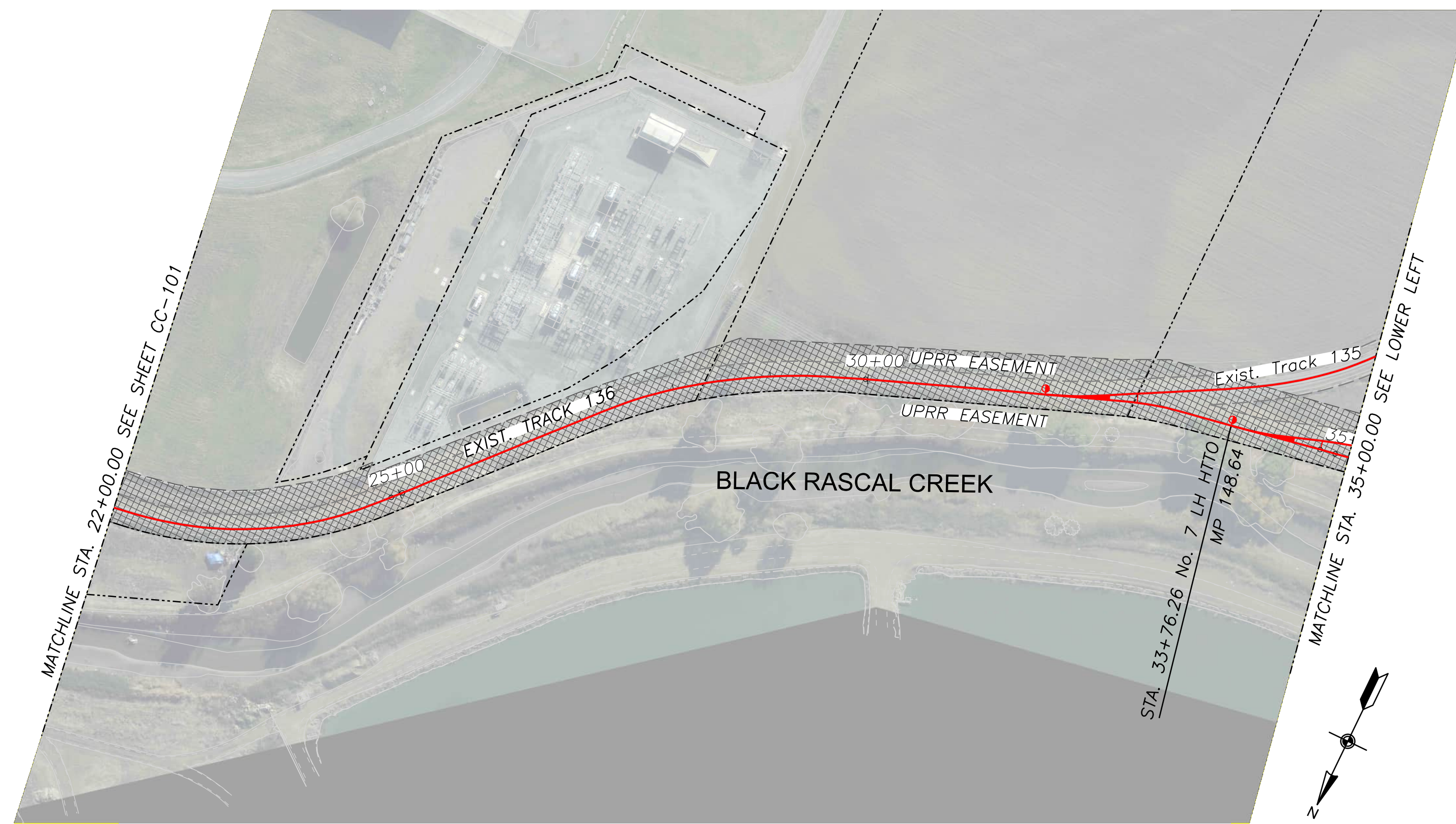
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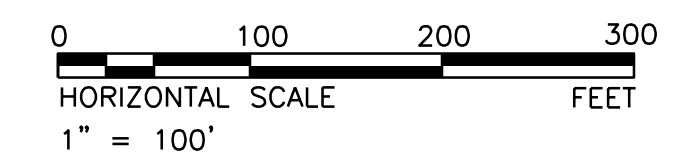
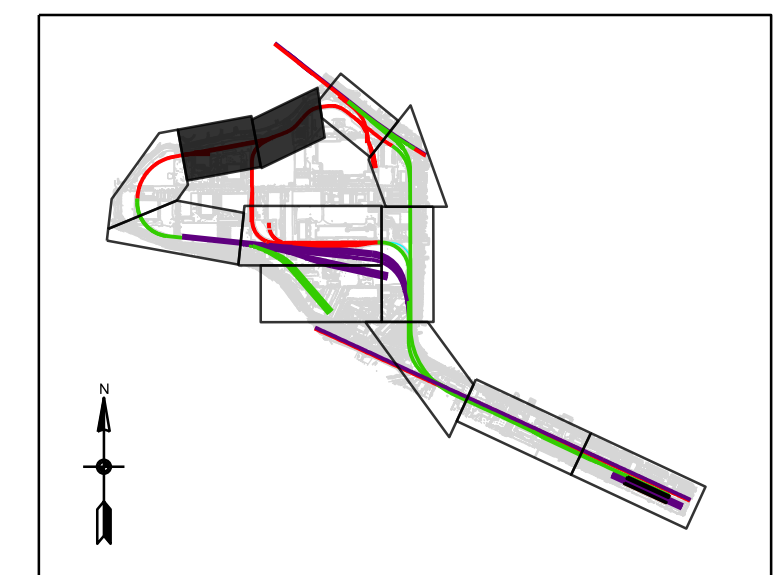
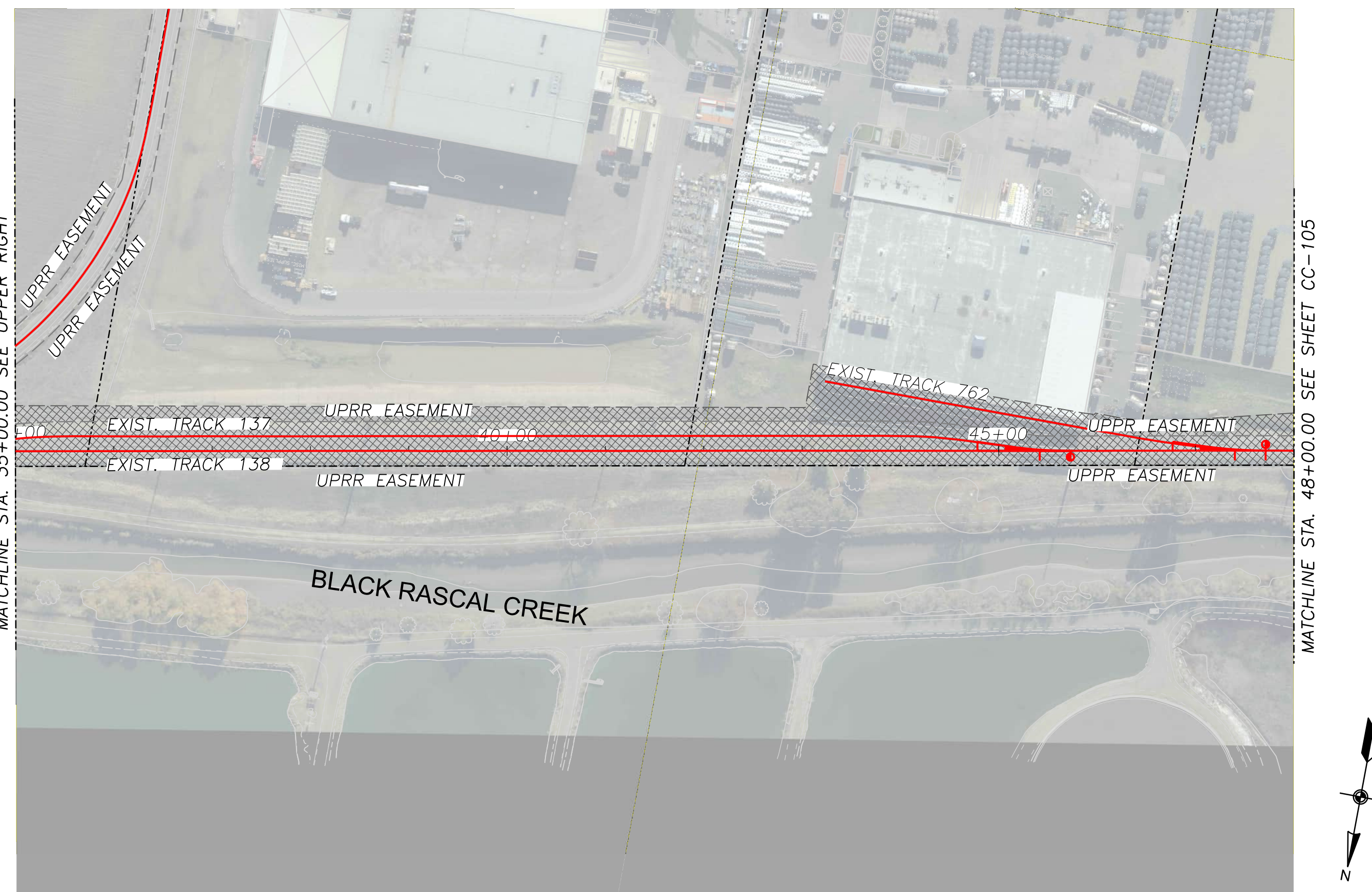


**DESIGN NOTES**

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**LEGEND**

- EXISTING TRACK AND TURNOUTS
- PROPOSED RAIL AND TURNOUTS
- FUTURE TRACK
- - - - - ROW LINE
- TEMPORARY CONSTRUCTION AREA



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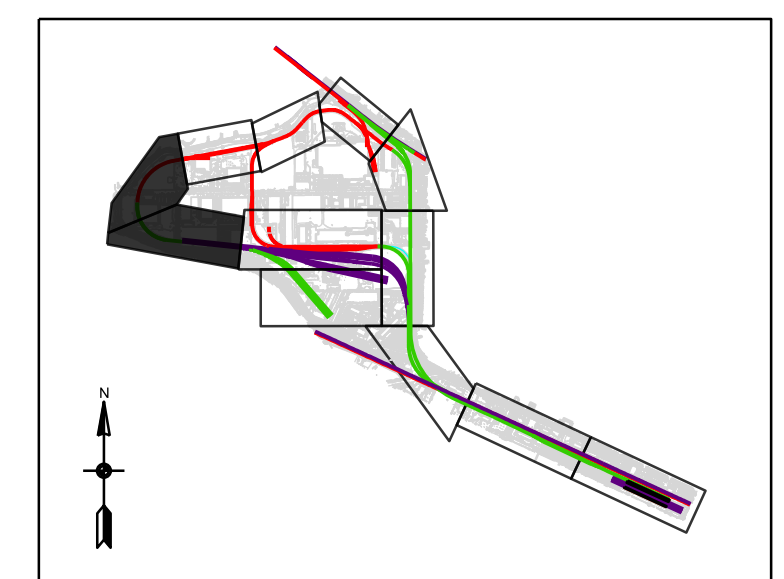
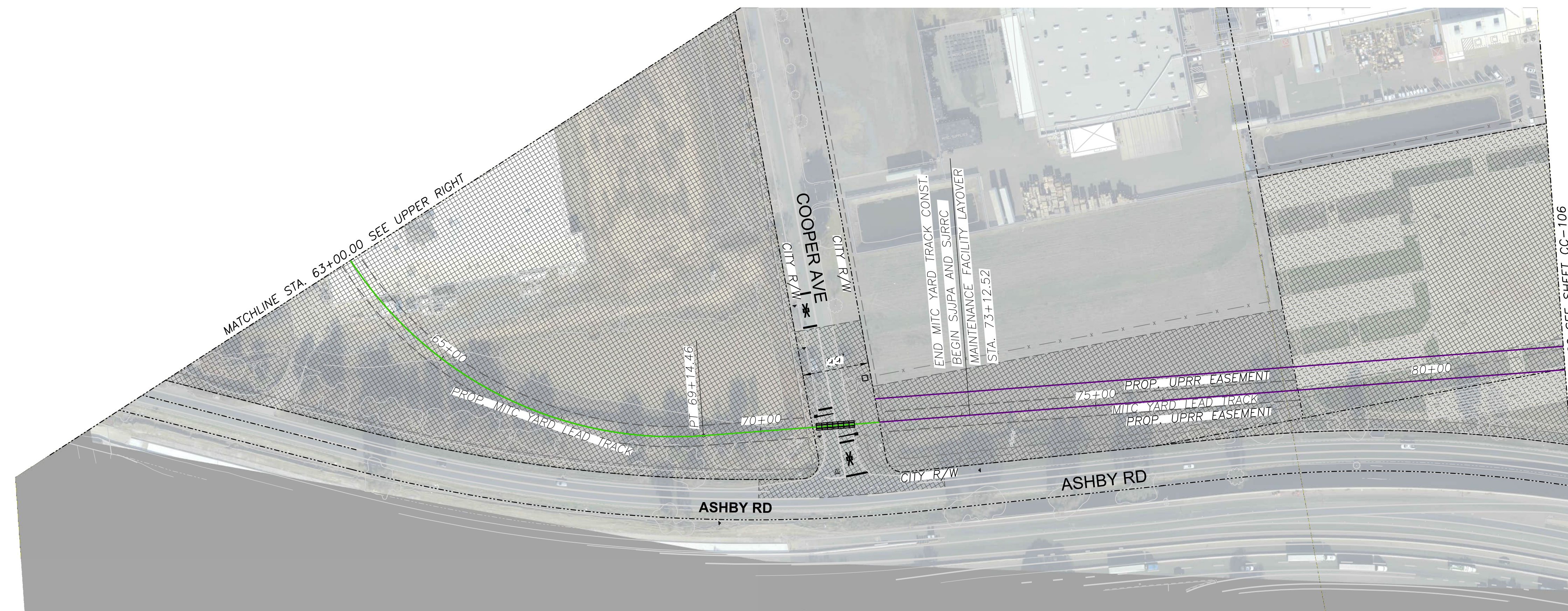
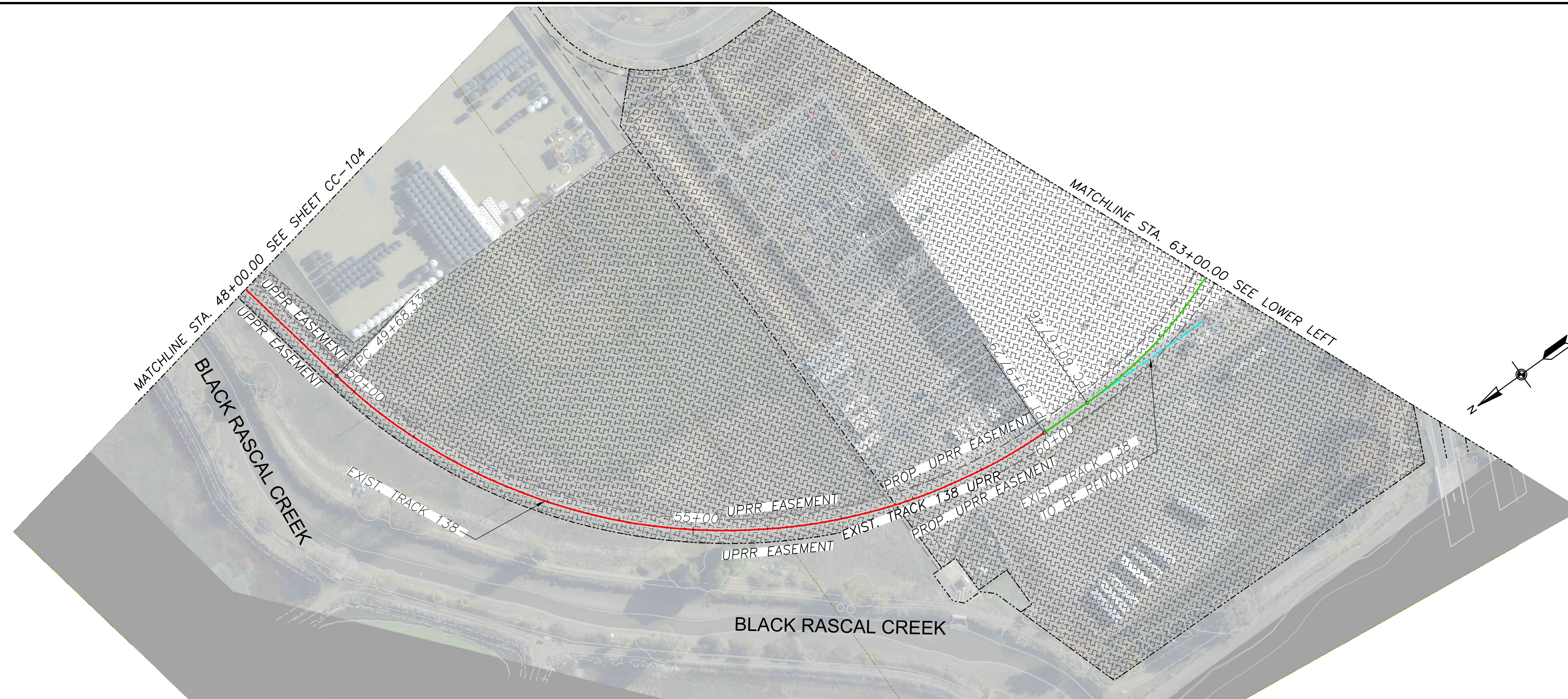
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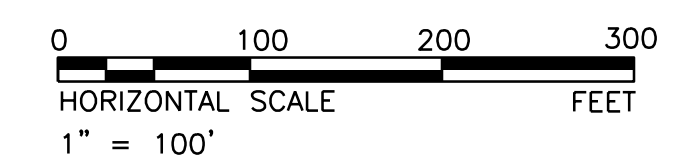
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**LEGEND**

- EXISTING TRACK AND TURNOUTS
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- - - - - ROW LINE
- TEMPORARY CONSTRUCTION AREA



KEY MAP  
NOT TO SCALE



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		 2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com	<b>DRAFT</b> NOT FOR CONSTRUCTION  3/12/2024	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION																															 SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION MERCED, CA	SHEET TITLE: <b>MITC TRACK                  TEMPORARY CONSTRUCTION                  AREA PLAN</b>  PROJ NO: 22311 SCALE: AS NOTED DATE: 3/12/2024 DESIGNED BY: DH/GC
MARK	DATE	DESCRIPTION																																					
SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:	PROFESSIONAL SEAL:	ISSUE:	MARK	DATE	DESCRIPTION	SHEET NO. <b>CC-105</b> SHEET 31 OF 69																															

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING



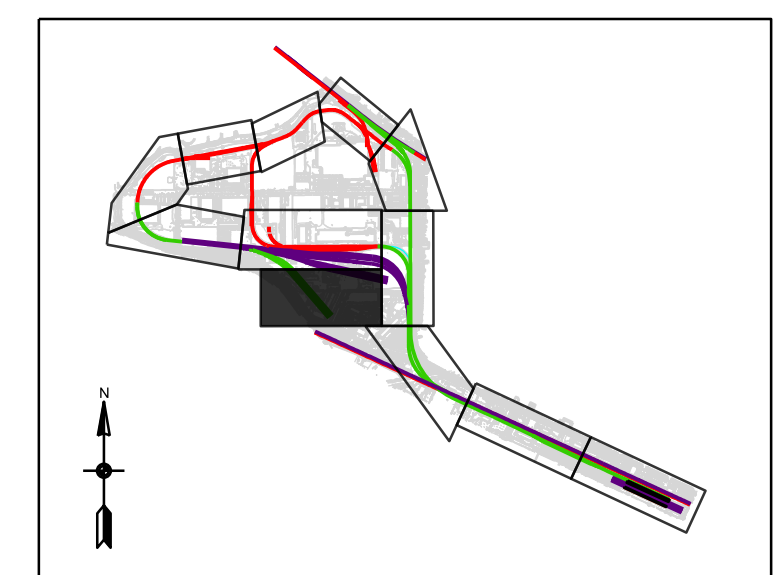
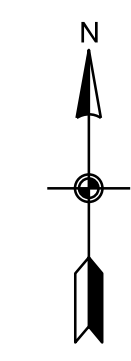
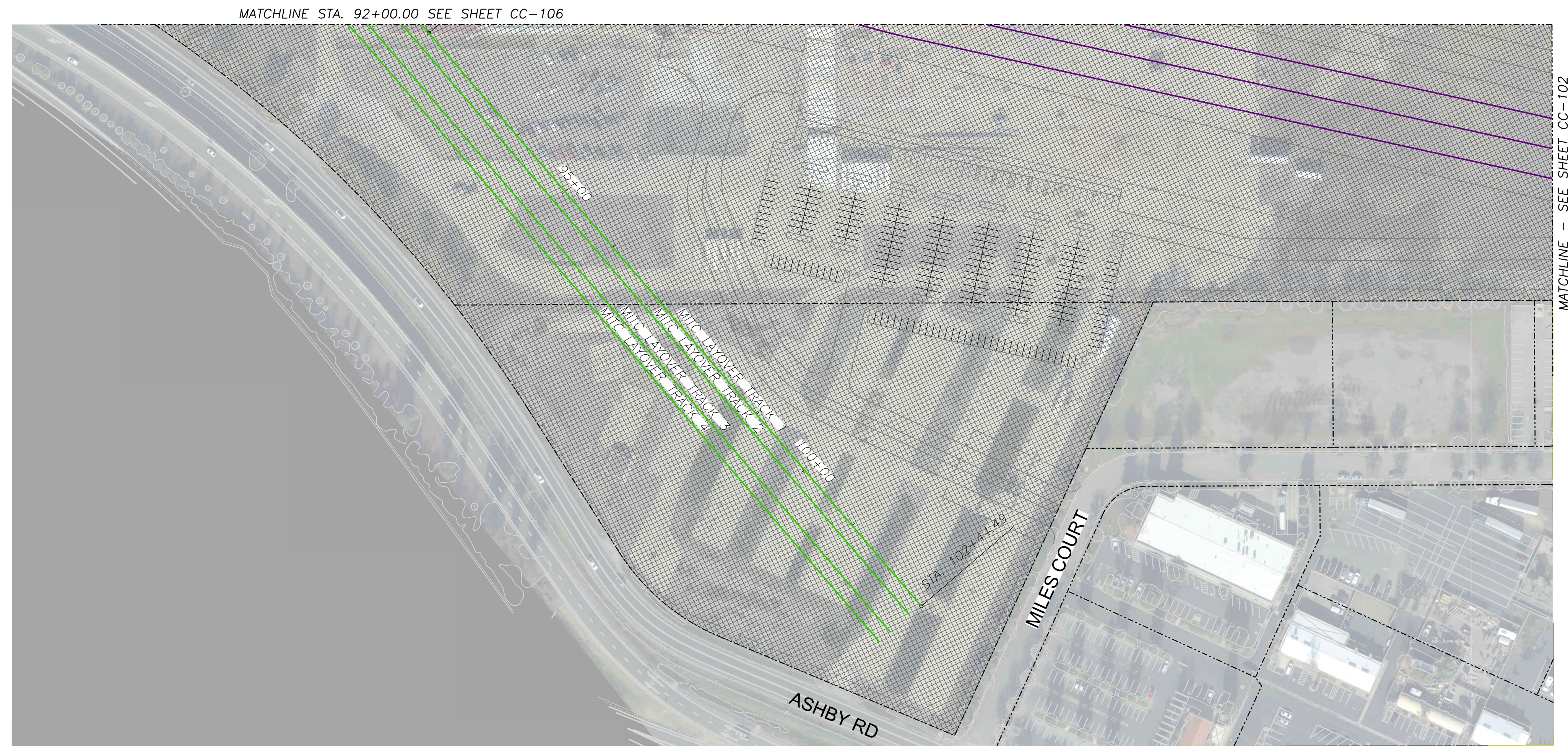


**DESIGN NOTES**

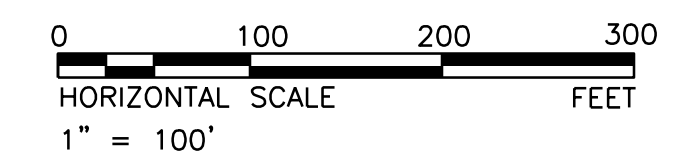
1. PROPOSED AND EXISTING TRACK ALIGNMENTS ARE BASED ON AERIAL SURVEY. TOP OF RAIL SURVEY HAS NOT BEEN PERFORMED.
2. BNSF MAINLINE STATION AND MILE POST ARE BASED ON BNSF VAL MAP 143615.
3. UTILITY LOCATES AND POTHOLES HAVE NOT BEEN PERFORMED.

**LEGEND**

- EXISTING TRACK AND TURNOUTS
- PROPOSED RAIL AND TURNOUTS
- FUTURE TRACK
- - - - - ROW LINE
- TEMPORARY CONSTRUCTION AREA



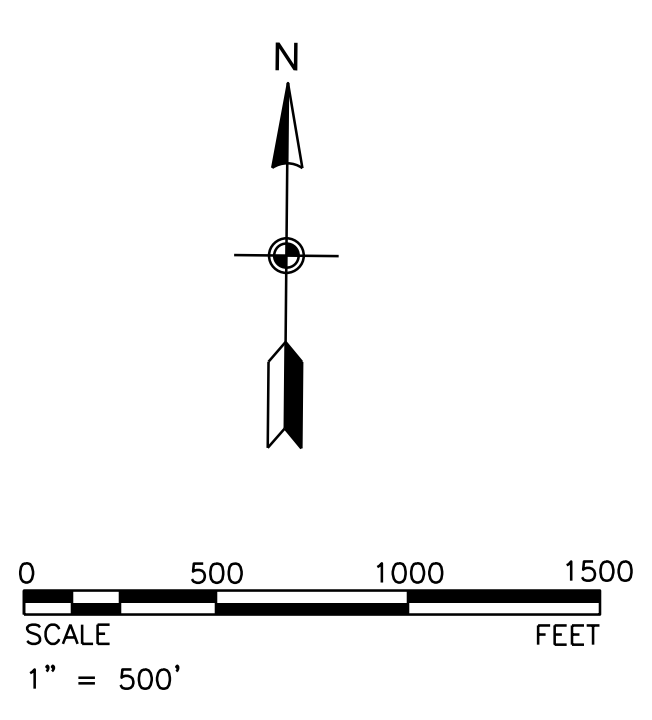
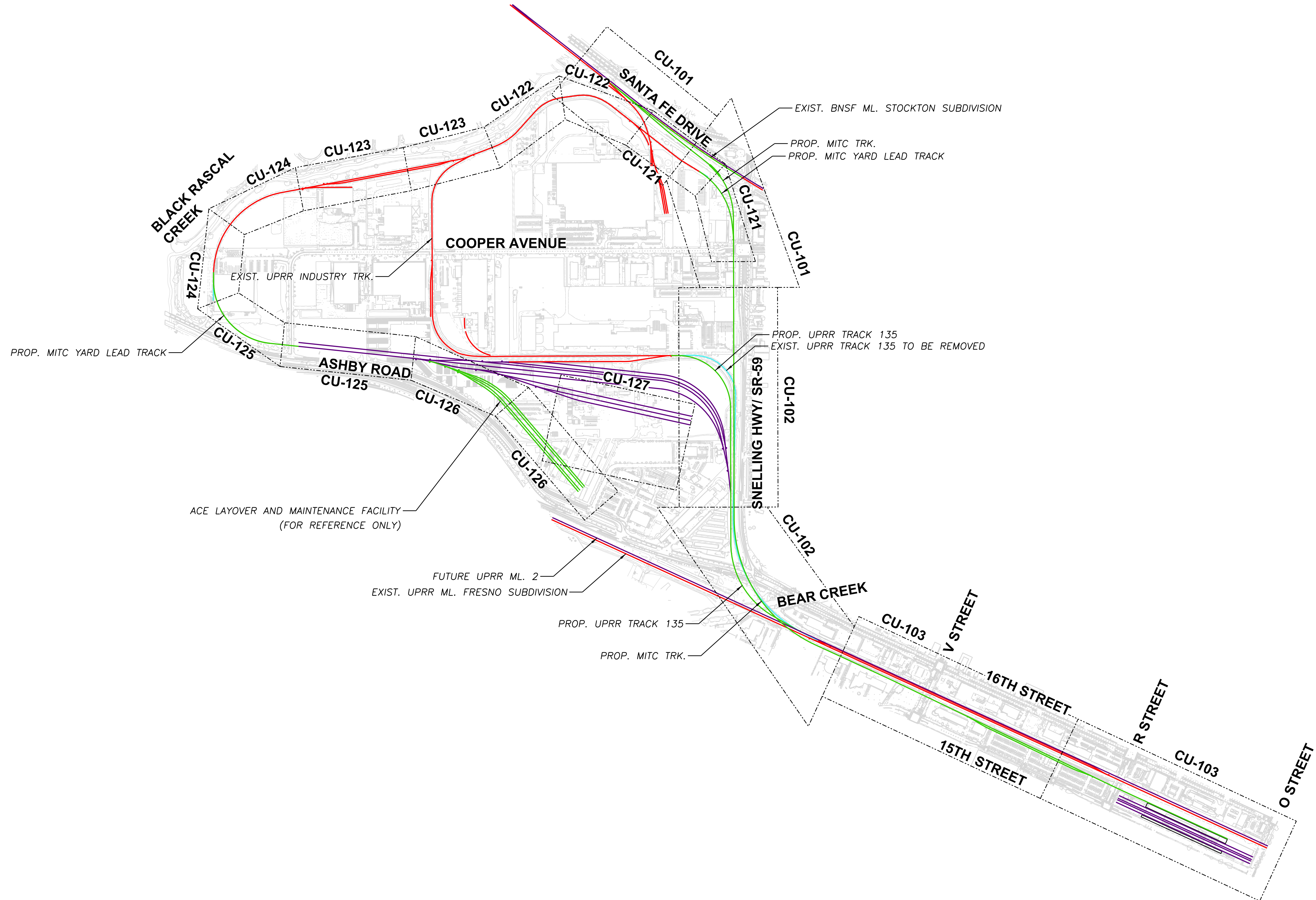
KEY MAP  
NOT TO SCALE




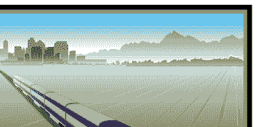
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MARK	DATE	DESCRIPTION																																						
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 6/12/2024

		 2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5300 www.aecom.com		<b>DRAFT</b> NOT FOR CONSTRUCTION  6/12/2024	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>																																		 <b>San Joaquin</b> Joint Powers Authority	<b>SAN JOAQUIN JOINT POWERS AUTHORITY</b> <b>MERCED INTERMODAL</b> <b>TRACK CONNECTION</b> MERCED, CA	SHEET TITLE: <div style="text-align: center; border: 1px solid black; padding: 5px;"> <b>KEY MAP MITC EXISTING UTILITIES</b> </div>		
SUBCONSULTANT:		PRIME CONSULTANT:	PROFESSIONAL SEAL:	ISSUE:	MARK	DATE	DESCRIPTION	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>																																		PROJ NO: 22311 SCALE: AS NOTED DATE: 6/12/2024 DESIGNED BY: DH/GC	SHEET NO. <div style="text-align: center; border: 1px solid black; padding: 5px;"> <b>CU-100</b> </div> SHEET OF

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**EXISTING UTILITIES GENERAL NOTES**

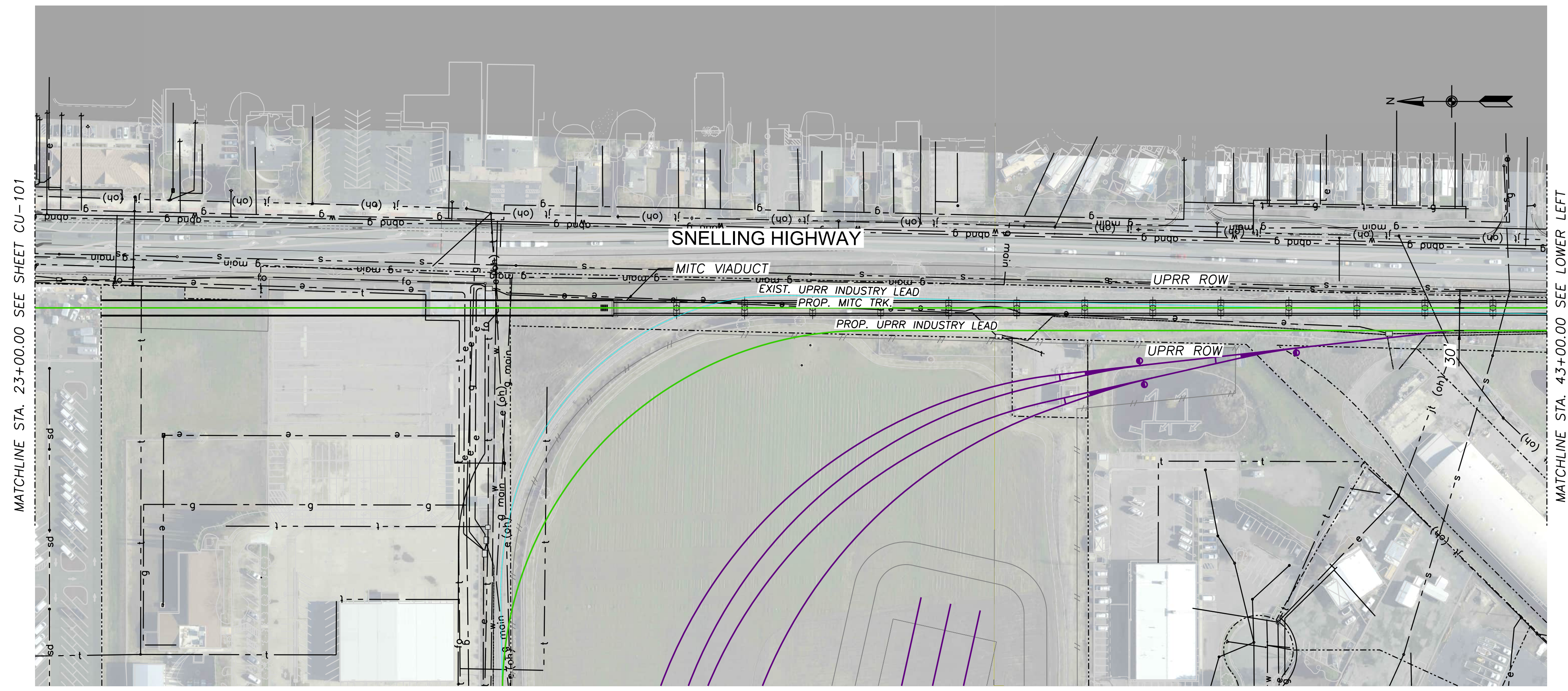
1. THE TYPES, LOCATIONS, SIZES OF EXISTING UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED BY AECOM TEAM FROM THE UTILITY COMPANIES AND ADJUSTED AS FEASIBLE TO VISIBLE UTILITY EQUIPMENT/FEATURES SHOWN ON THE AERIAL TOPO. NO FIELD SURVEY HAS BEEN DONE TO VERIFY THE LOCATION OR SIZE OF ANY UTILITIES. THE FINAL DESIGNER OR CONTRACTOR IS CAUTIONED THAT ONLY FIELD SURVEY AND/OR POTHOLDINGS WILL REVEAL ACCURATELY THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UTILITIES. AECOM ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UTILITIES, WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS.
2. THE FINAL DESIGNER AND/OR CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES, AND SHALL CONTACT THE RESPECTIVE UTILITY COMPANIES PRIOR TO COMMENCEMENT OF CONSTRUCTION WORK. HE SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF ALL SUCH FACILITIES IN THE AREA OF CONSTRUCTION AND SHALL NOTIFY UTILITY COMPANIES AT LEAST FORTY-EIGHT HOURS IN ADVANCE OF ANY CONSTRUCTION. "PROTECT IN PLACE" MAY INCLUDE LOWERING OF THE EXISTING UTILITY AND/OR EXTENDING CASINGS UNDER NEW TRACKS.

**LEGEND**

ELECTRICAL OVERHEAD	— e (oh) —
ELECTRICAL UNDERGROUND	- - - e - - - e -
NATURAL GAS UNDERGROUND	- - - - g - - - - g -
NATURAL GAS TRANSMISSION MAIN	— - - g main —
NATURAL GAS ABANDONED	— - - abnd g —
NATURAL GAS UNDERGROUND CASING	- - - - g - - - - g -
GASOLINE UNDERGROUND	- - - - gs - - - - gs -
SEWER LINE UNDERGROUND	- - - - s - - - - s -
SEWER LINE ABANDONED	— - - abnd s —
STORM DRAIN UNDERGROUND	- - - - sd - - - - sd -
TELECOM OVERHEAD	— - - t (oh) — - - - t (oh) —
TELECOM UNDERGROUND	- - - - t - - - - t -
WATER LINE UNDERGROUND	— - - w —
IRRIGATION LINE UNDERGROUND	- - - - irr - - - - irr -
JOINT UTILITY OVERHEAD	— - - jt (oh) —
JOINT UTILITY UNDERGROUND	- - - - jt - - - - jt -
FIBER OPTIC LINE OVERHEAD	— - - fo (oh) —
FIBER OPTIC LINE UNDERGROUND	- - - - fo - - - - fo -
POLE	⊙
GUY/POLE ANCHOR	⌋
WATER VALVE BOX	⊙ W
WELL	⊙ W
DROP INLET	⊞
PULL BOX	□
WATER VALVE BOX	⊙ V
SIGNAL	⊙ * —

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MARK	DATE	DESCRIPTION											
	01/12/2024	15% SUBMITTAL											
SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:	PROFESSIONAL SEAL:	ISSUE:	MARK	DATE	DESCRIPTION	PROJ NO: 22311 SCALE: AS NOTED DATE: 3/12/2024 DESIGNED BY: DH/GC	SHEET NO. CU-100A SHEET 35 OF 69				

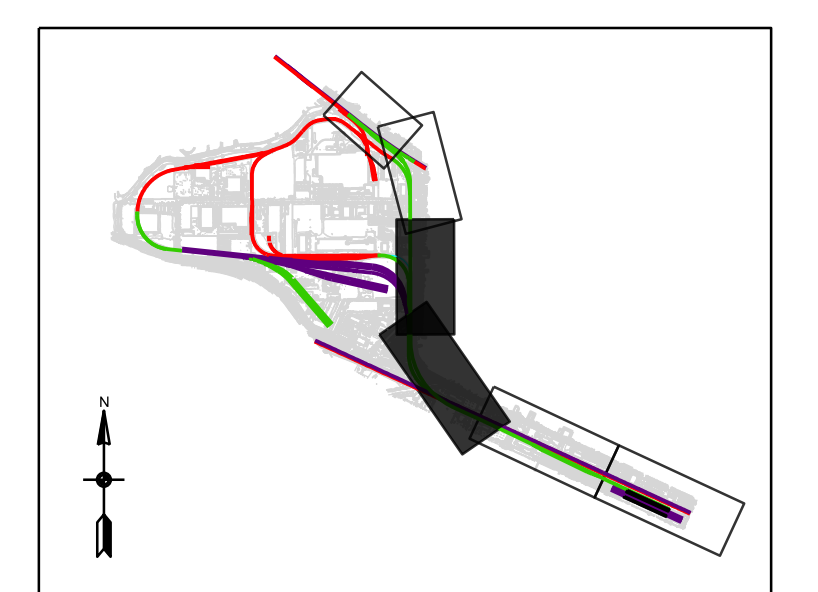
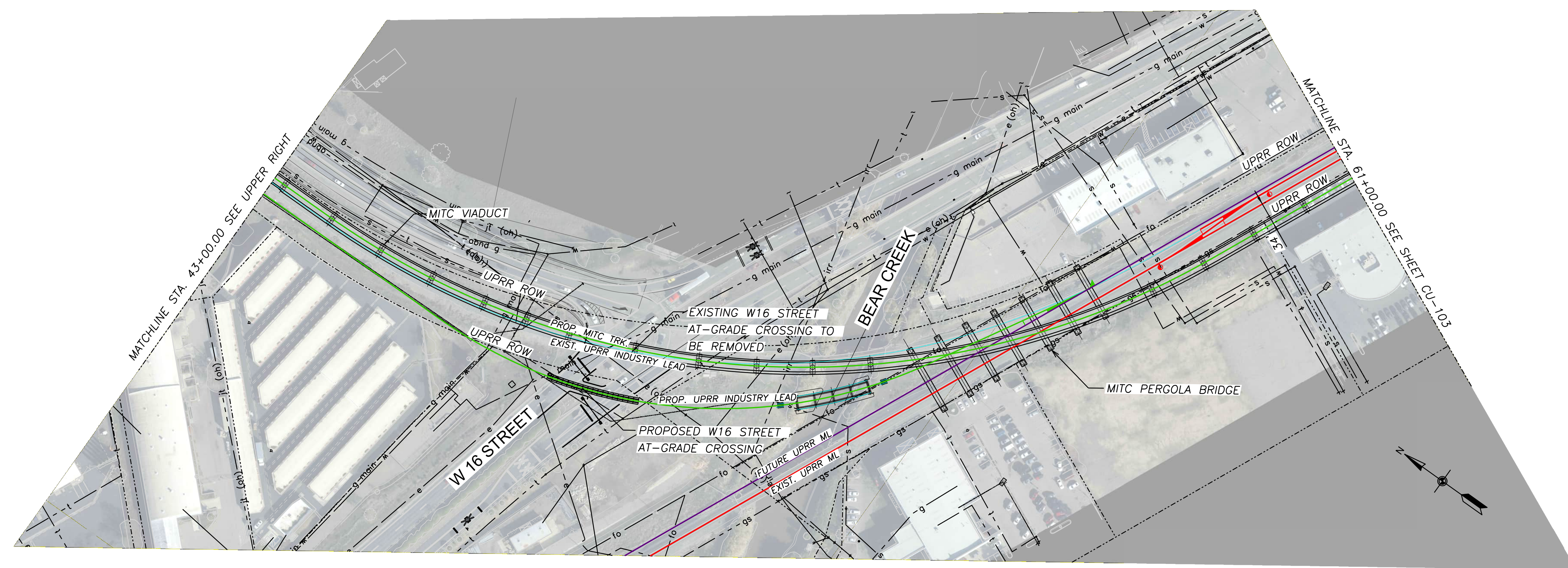


**DESIGN NOTES**

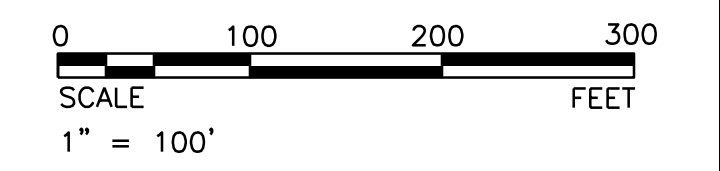
- 1. SEE SHEET CU-100 FOR GENERAL NOTES.

**LEGEND**




SEE SHEET CU-100 FOR LEGEND



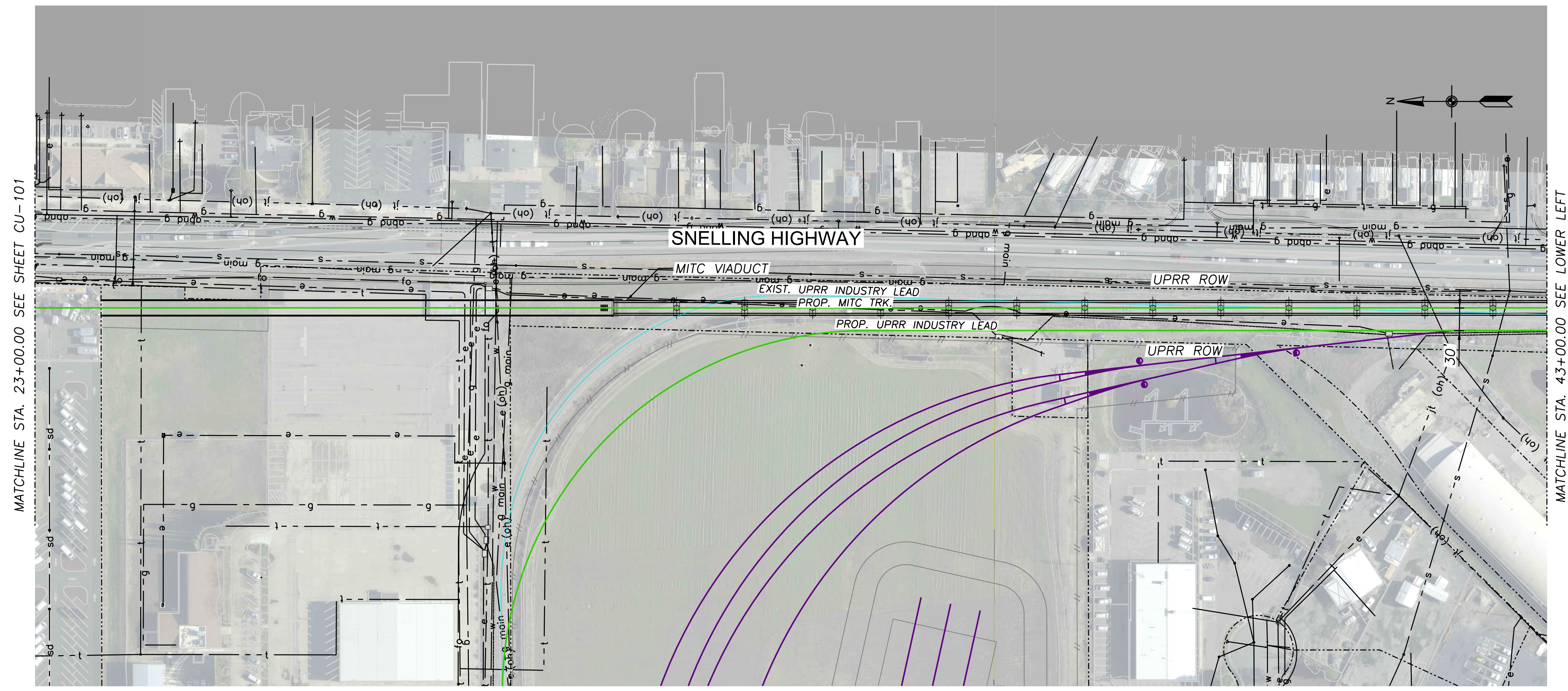
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SUBCONSULTANT:		PRIME CONSULTANT:		ISSUE:	6/12/2024	01/12/2024 15% SUBMITTAL	 <b>San Joaquin</b> Joint Powers Authority	SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION MERCED, CA	PROJ NO: 22311 SCALE: AS NOTED DATE: 6/12/2024 DESIGNED BY: DH/GC	SHEET NO. <b>CU-102</b> SHEET OF					

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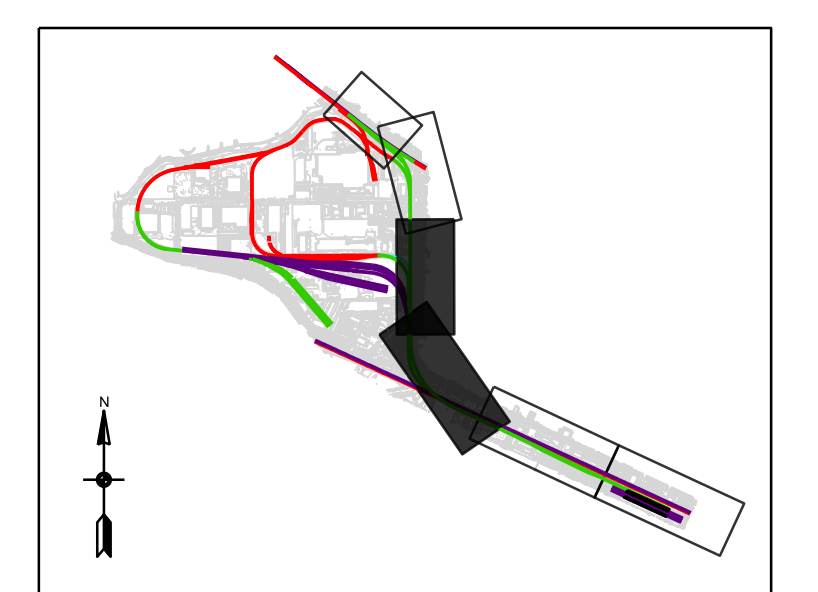
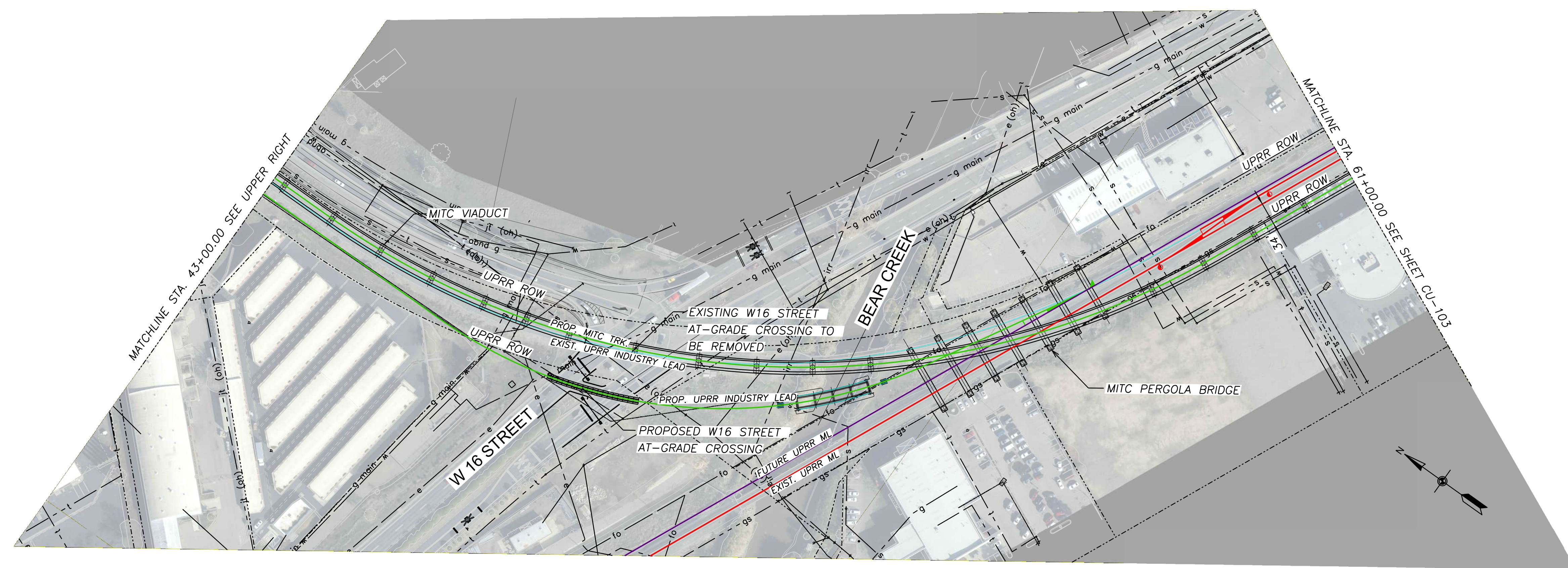


**DESIGN NOTES**

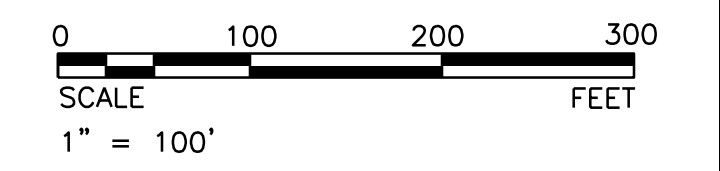
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**LEGEND**

SEE SHEET CU-100 FOR LEGEND



KEY MAP  
NOT TO SCALE



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01	12/2024	15% SUBMITTAL												
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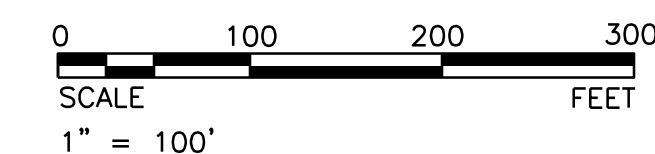
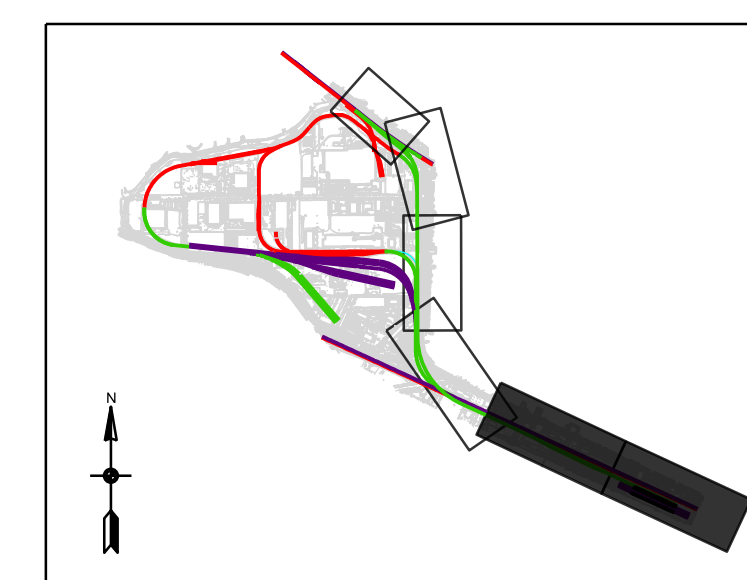
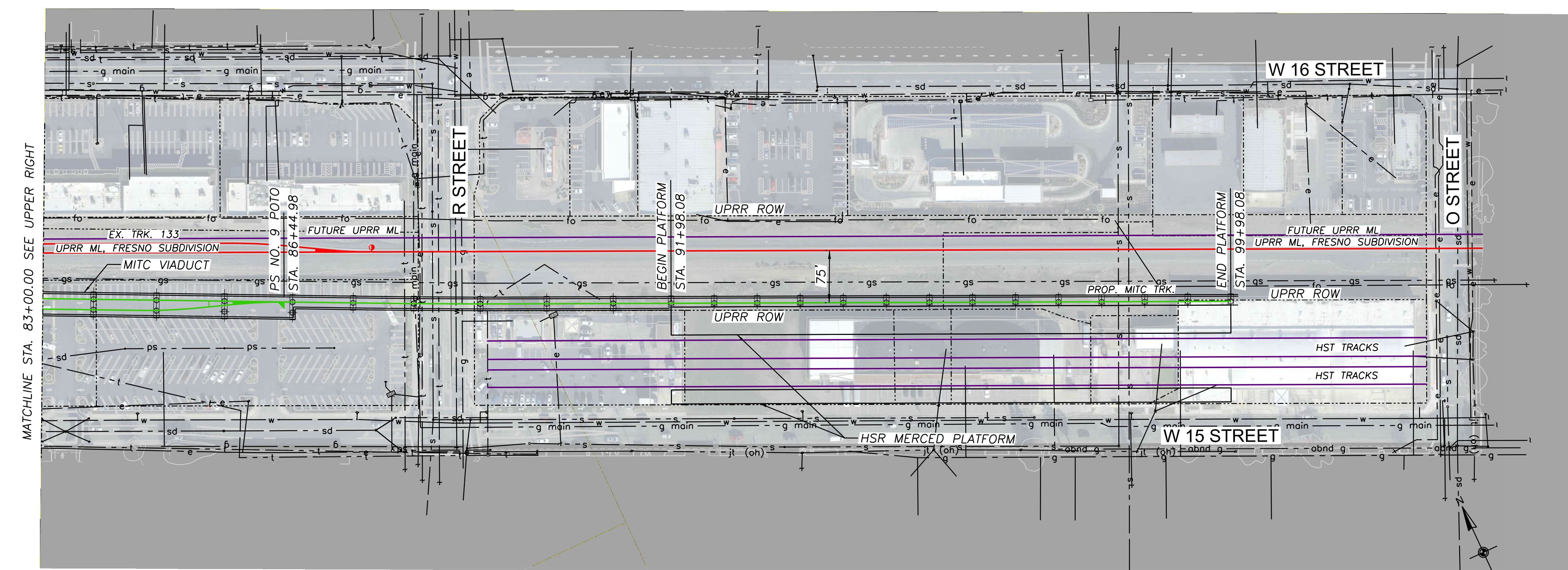
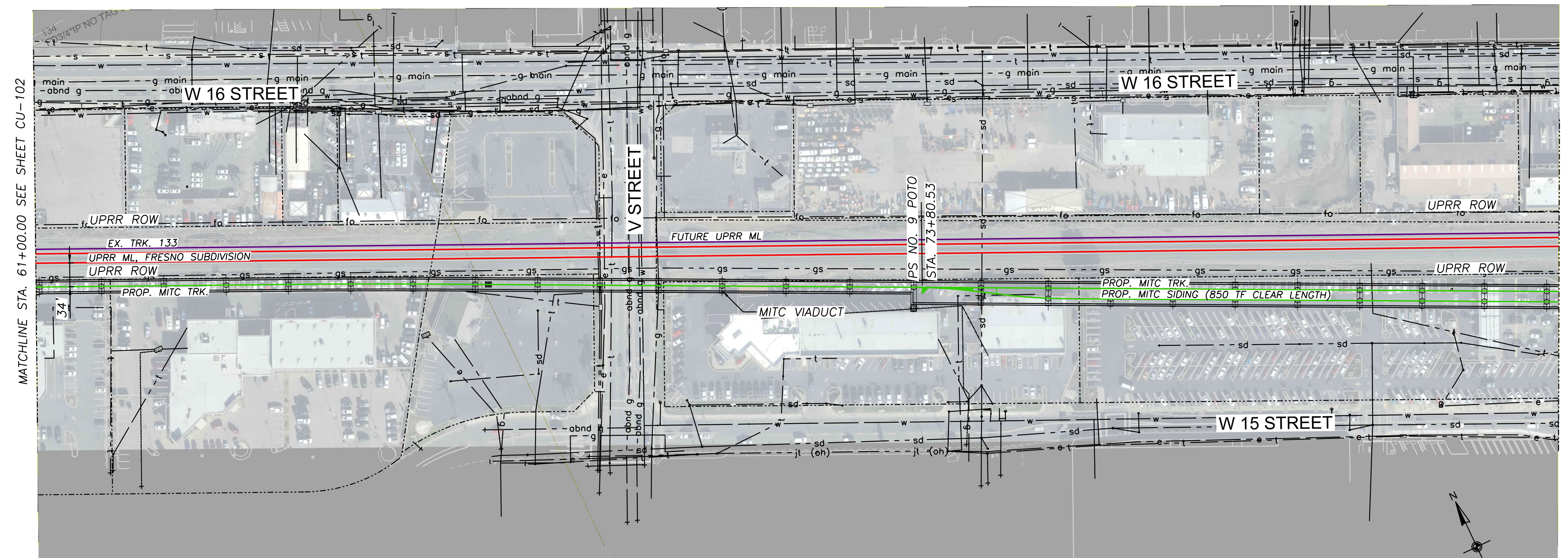
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**DESIGN NOTES**




1. SEE SHEET CU-100 FOR GENERAL NOTES.

**LEGEND**

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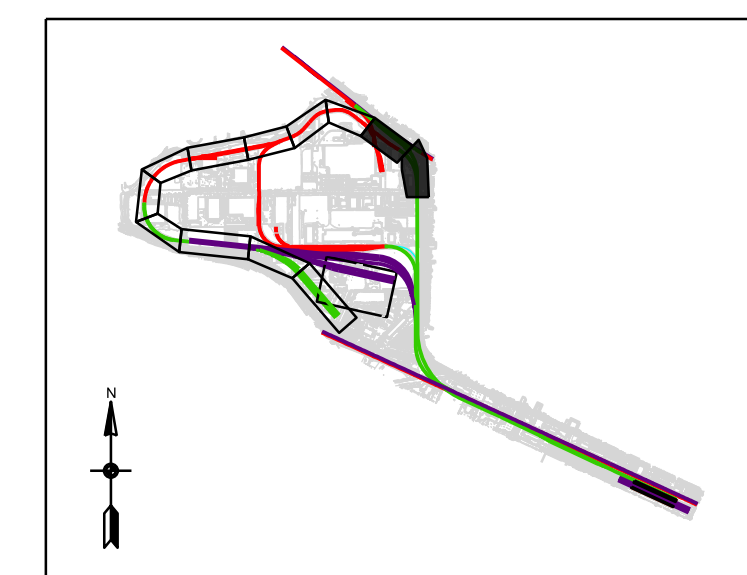
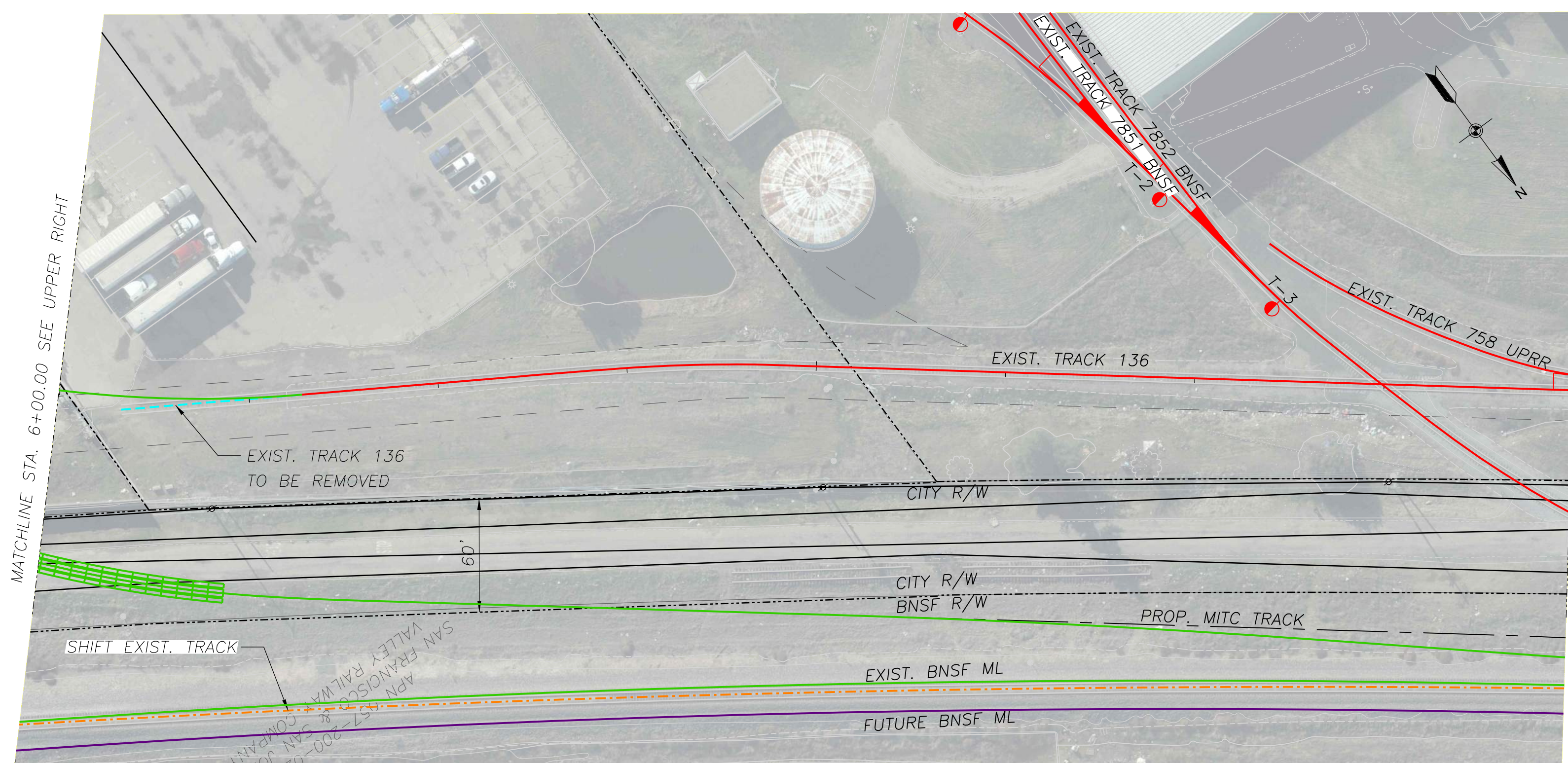
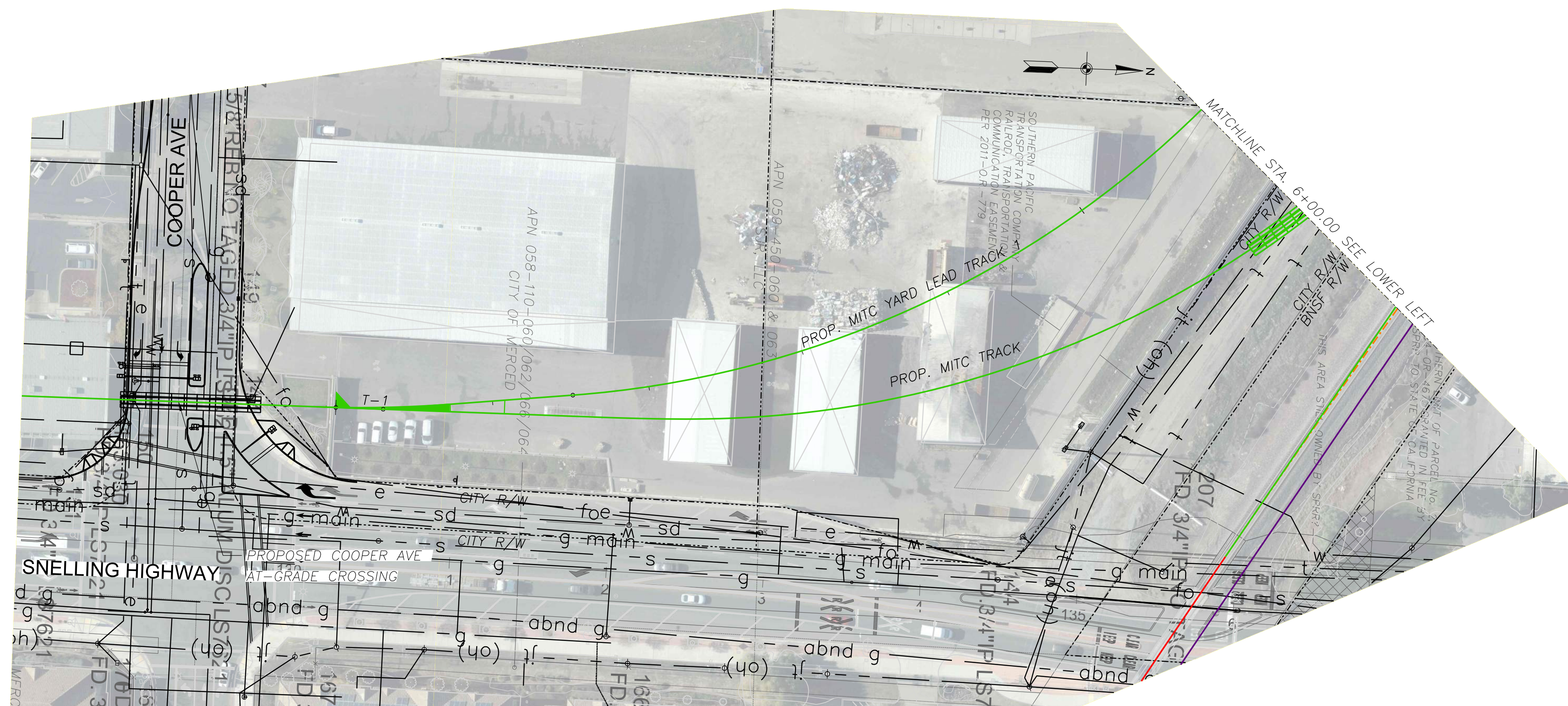
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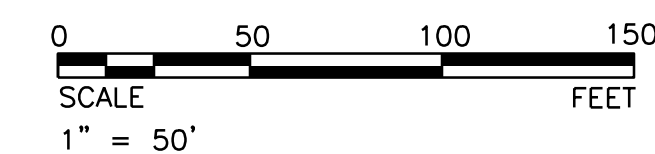
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**LEGEND**

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KEY MAP  
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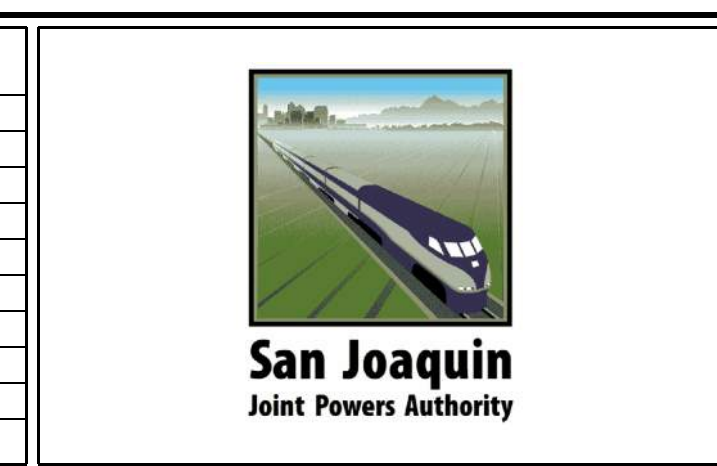
SUBCONSULTANT:

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Sacramento, CA 95811  
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3/12/2024

REVISIONS:	
MARK	DATE
	01/12/2024
	15% SUBMITTAL DESCRIPTION



**SAN JOAQUIN JOINT POWERS AUTHORITY**  
MERCED INTERMODAL  
TRACK CONNECTION  
MERCED, CA

SHEET TITLE:	
<b>MITC YARD TRACK EXISTING UTILITIES</b>	
PROJ NO: 22311 SCALE: AS NOTED DATE: 3/12/2024 DESIGNED BY: DH/GC	SHEET NO. <b>CU-121</b> SHEET 39 OF 69

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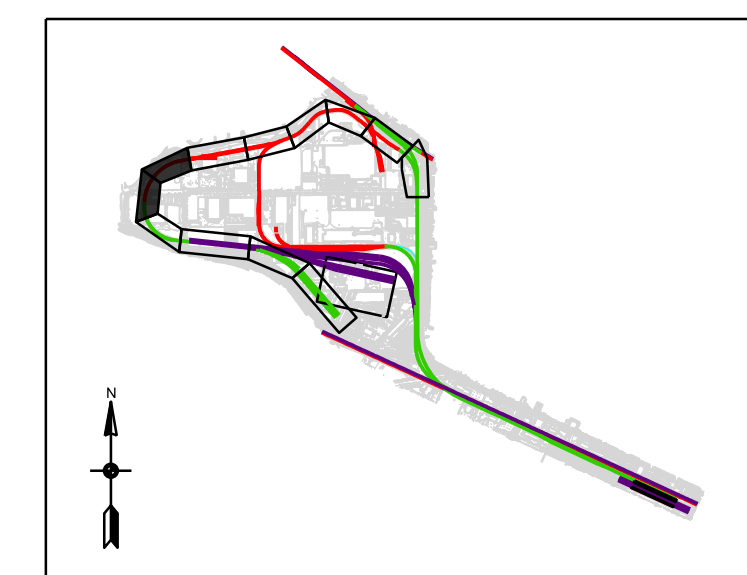
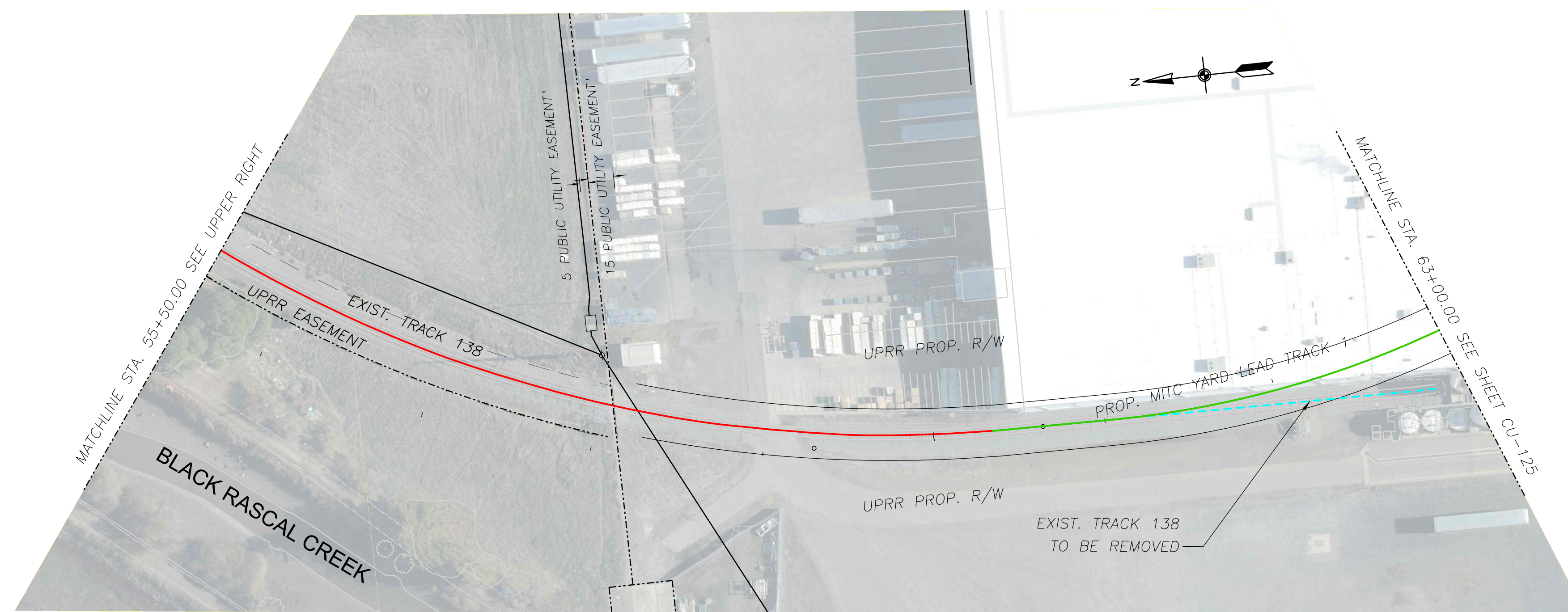
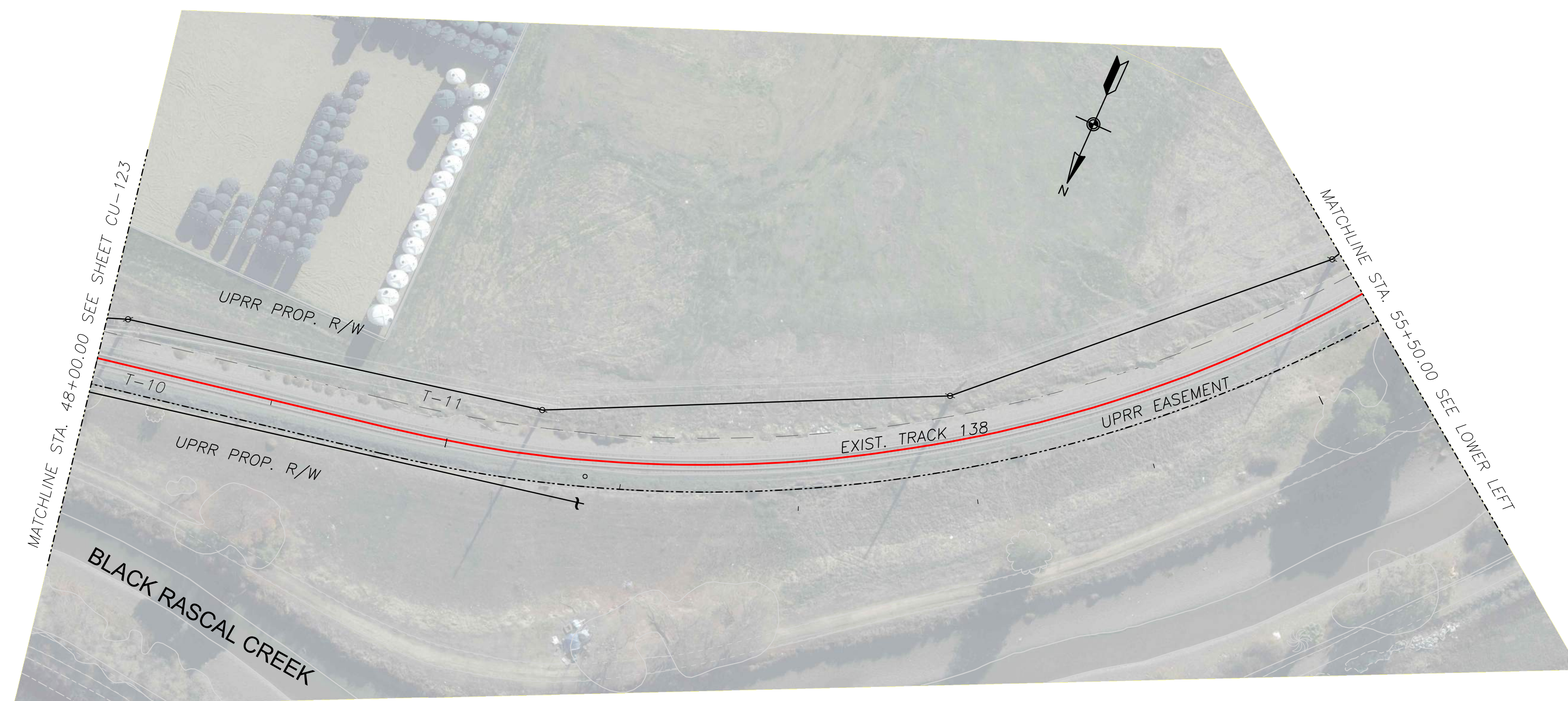


**DESIGN NOTES**

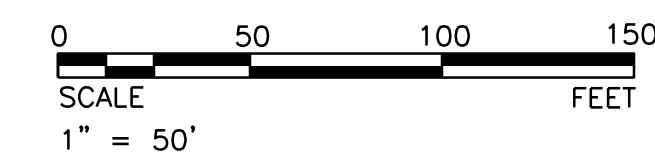
1. SEE SHEET CU-100 FOR GENERAL NOTES.

**LEGEND**



SEE SHEET CU-100 FOR LEGEND



KEY MAP  
NOT TO SCALE



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		 2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com	<b>DRAFT</b> NOT FOR CONSTRUCTION  3/12/2024	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>01/12/2024</td> <td>15% SUBMITTAL</td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION	01	01/12/2024	15% SUBMITTAL	 <b>San Joaquin</b> Joint Powers Authority	SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION MERCED, CA	SHEET TITLE: <p style="text-align: center;"><b>MITC YARD TRACK EXISTING UTILITIES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>PROJ NO: 22311</td> <td>SHEET NO.</td> </tr> <tr> <td>SCALE: AS NOTED</td> <td style="text-align: center;"><b>CU-124</b></td> </tr> <tr> <td>DATE: 3/12/2024</td> <td></td> </tr> <tr> <td>DESIGNED BY: DH/GC</td> <td style="text-align: center;">SHEET 42 OF 69</td> </tr> </table>	PROJ NO: 22311	SHEET NO.	SCALE: AS NOTED	<b>CU-124</b>	DATE: 3/12/2024		DESIGNED BY: DH/GC	SHEET 42 OF 69
MARK	DATE	DESCRIPTION																			
01	01/12/2024	15% SUBMITTAL																			
PROJ NO: 22311	SHEET NO.																				
SCALE: AS NOTED	<b>CU-124</b>																				
DATE: 3/12/2024																					
DESIGNED BY: DH/GC	SHEET 42 OF 69																				
SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:	PROFESSIONAL SEAL:	ISSUE:																	



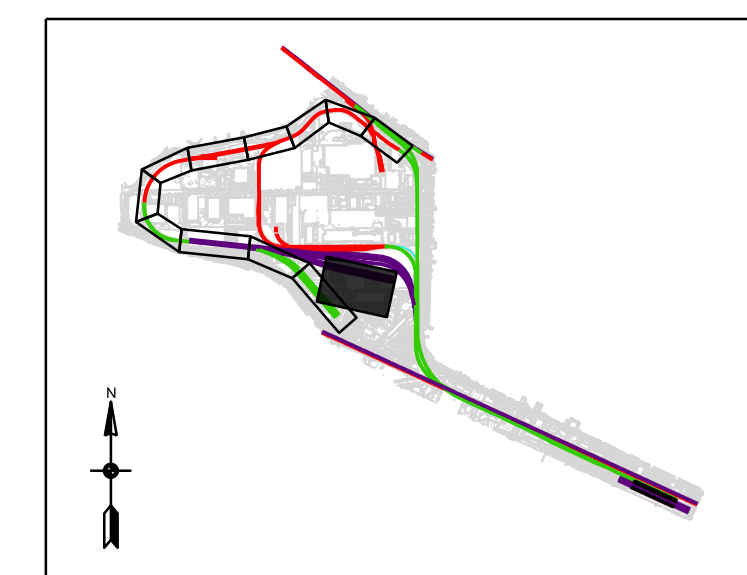


**DESIGN NOTES**

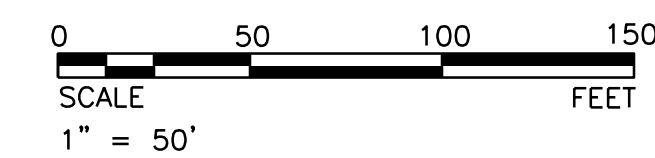
1. SEE SHEET CU-100 FOR GENERAL NOTES.

**LEGEND**



SEE SHEET CU-100 FOR LEGEND

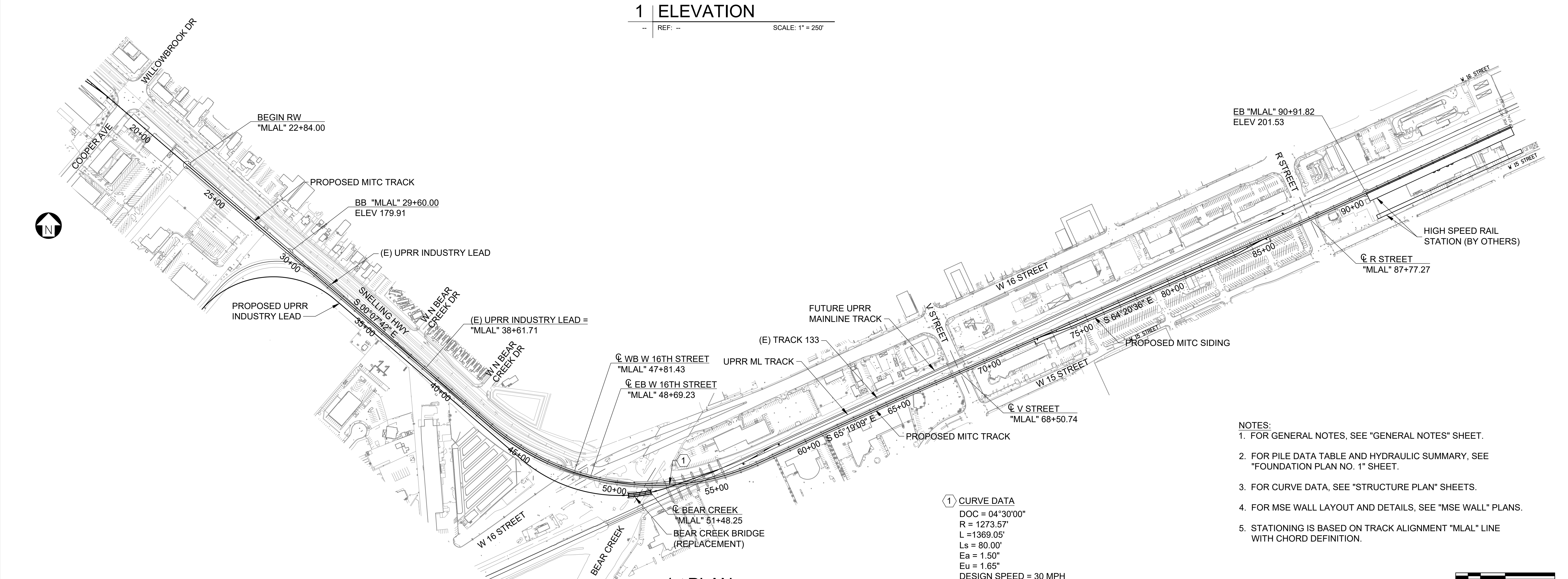
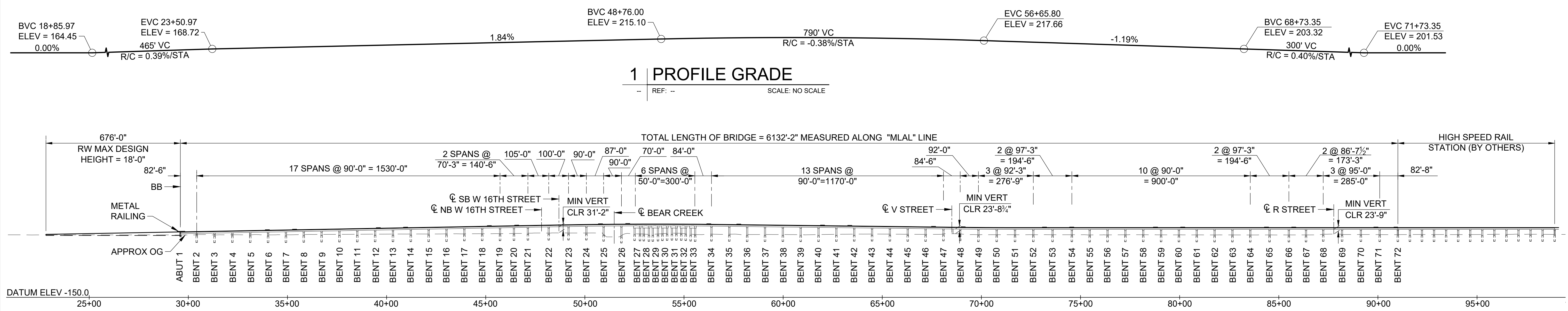


KEY MAP  
NOT TO SCALE

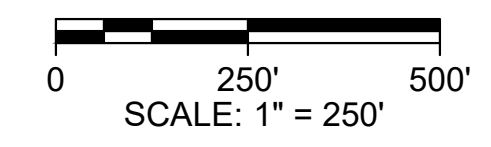


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<p>SUBCONSULTANT:</p>	<p>SUBCONSULTANT:</p>	 <p>2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5300 www.aecom.com</p>	<p>PROFESSIONAL SEAL:</p>	<p><b>DRAFT</b> NOT FOR CONSTRUCTION</p> <p>3/12/2024</p>	<p>ISSUE:</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">REVISIONS:</th> </tr> <tr> <th>MARK</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>01/12/2024</td> <td>15% SUBMITTAL</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS:		MARK	DESCRIPTION	01/12/2024	15% SUBMITTAL															 <p><b>San Joaquin</b> Joint Powers Authority</p>	<p>SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION MERCED, CA</p>	<p>SHEET TITLE:</p> <p style="text-align: center;"><b>MITC YARD TRACK EXISTING UTILITIES</b></p>
REVISIONS:																													
MARK	DESCRIPTION																												
01/12/2024	15% SUBMITTAL																												
		<p>PROJ NO: 22311 SCALE: AS NOTED DATE: 3/12/2024 DESIGNED BY: DH/GC</p>	<p>SHEET NO. <b>CU-127</b> SHEET 45 OF 69</p>																										



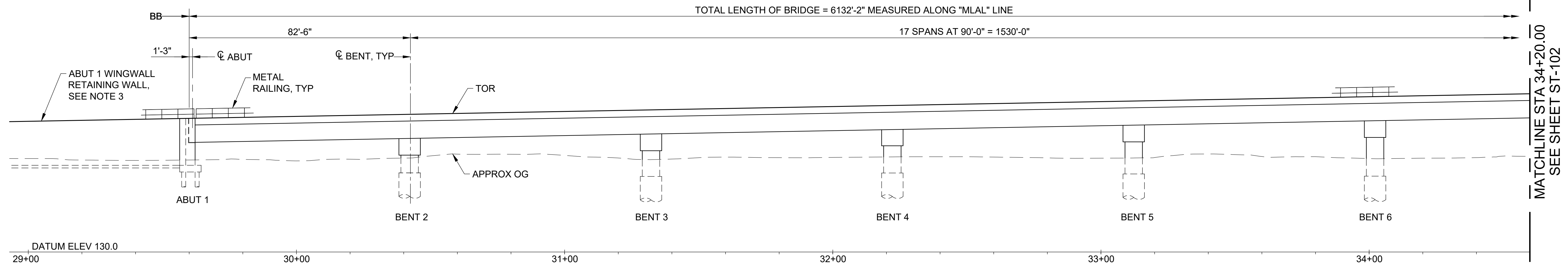
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- FOR GENERAL NOTES, SEE "GENERAL NOTES" SHEET.
  - FOR PILE DATA TABLE AND HYDRAULIC SUMMARY, SEE "FOUNDATION PLAN NO. 1" SHEET.
  - FOR CURVE DATA, SEE "STRUCTURE PLAN" SHEETS.
  - FOR MSE WALL LAYOUT AND DETAILS, SEE "MSE WALL" PLANS.
  - STATIONING IS BASED ON TRACK ALIGNMENT "MLAL" LINE WITH CHORD DEFINITION.



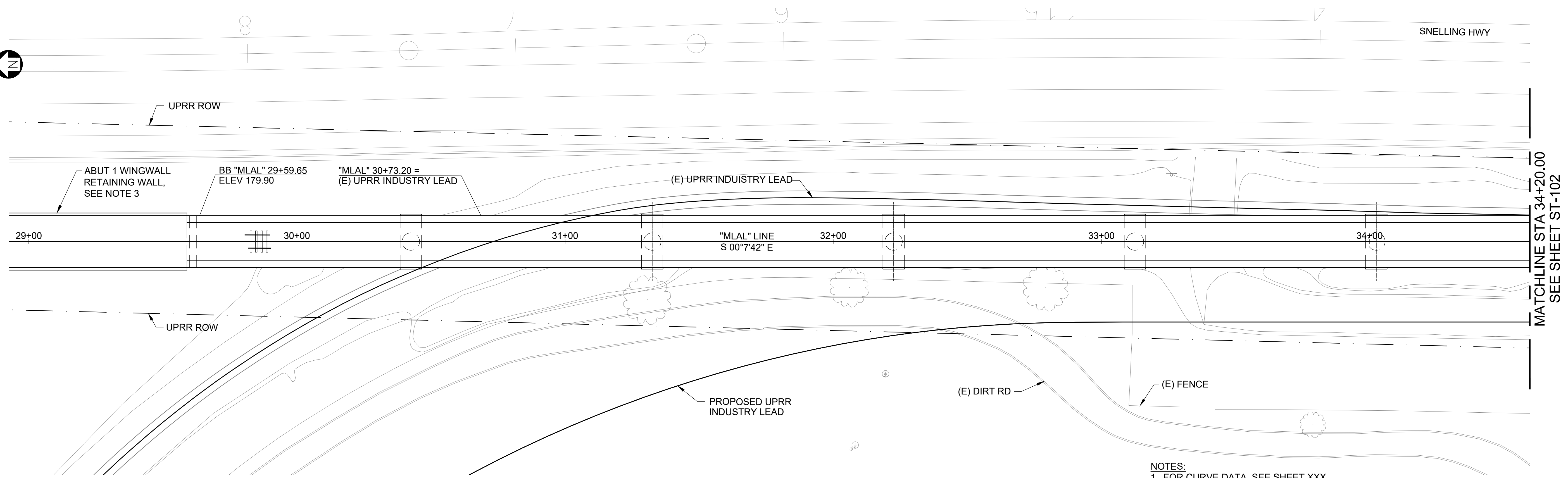
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		 2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com	<b>DRAFT</b> NOT FOR CONSTRUCTION  12/18/2023	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th>MARK</th><th>DATE</th><th>DESCRIPTION</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	MARK	DATE	DESCRIPTION																												 <b>SAN JOAQUIN JOINT POWERS AUTHORITY</b> MERCED INTERMODAL TRACK CONNECTION MERCED, CA	SHEET TITLE: <div style="text-align: center; border: 1px solid black; padding: 5px;"> <b>STRUCTURAL            MITC VIADUCT            GENERAL PLAN</b> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>PROJ NO: 22311</td><td>SHEET NO.</td></tr> <tr><td>SCALE: AS NOTED</td><td style="text-align: center;">ST-100</td></tr> <tr><td>DATE: 12/18/2023</td><td></td></tr> <tr><td>DESIGNED BY: DH/KL</td><td></td></tr> <tr><td></td><td style="text-align: center;">SHEET OF</td></tr> </table>	PROJ NO: 22311	SHEET NO.	SCALE: AS NOTED	ST-100	DATE: 12/18/2023		DESIGNED BY: DH/KL			SHEET OF
MARK	DATE	DESCRIPTION																																												
PROJ NO: 22311	SHEET NO.																																													
SCALE: AS NOTED	ST-100																																													
DATE: 12/18/2023																																														
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	SHEET OF																																													

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

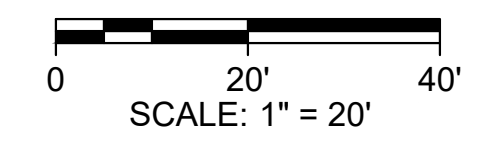


**1 | ELEVATION**  
REF: -- SCALE: 1" = 20'





**1 | PLAN**  
REF: -- SCALE: 1" = 20'

- NOTES:**
1. FOR CURVE DATA, SEE SHEET XXX.
  2. FOR GENERAL NOTES, SEE "GENERAL NOTES" SHEET.
  3. FOR MSE WALL LAYOUT, SEE "MSE WALL LAYOUT" SHEETS.
  4. FOR PILE DATA, SEE "FOUNDATION PLAN NO. 1" SHEET.

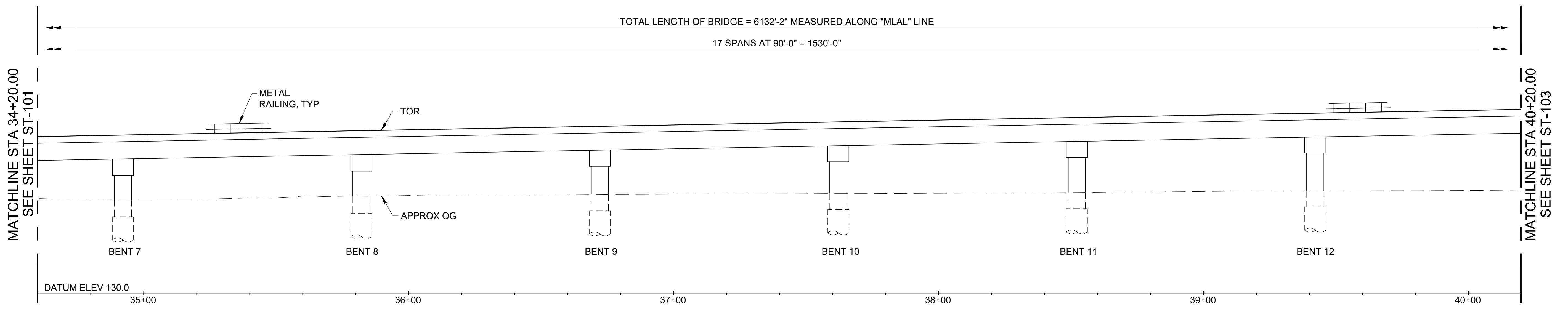


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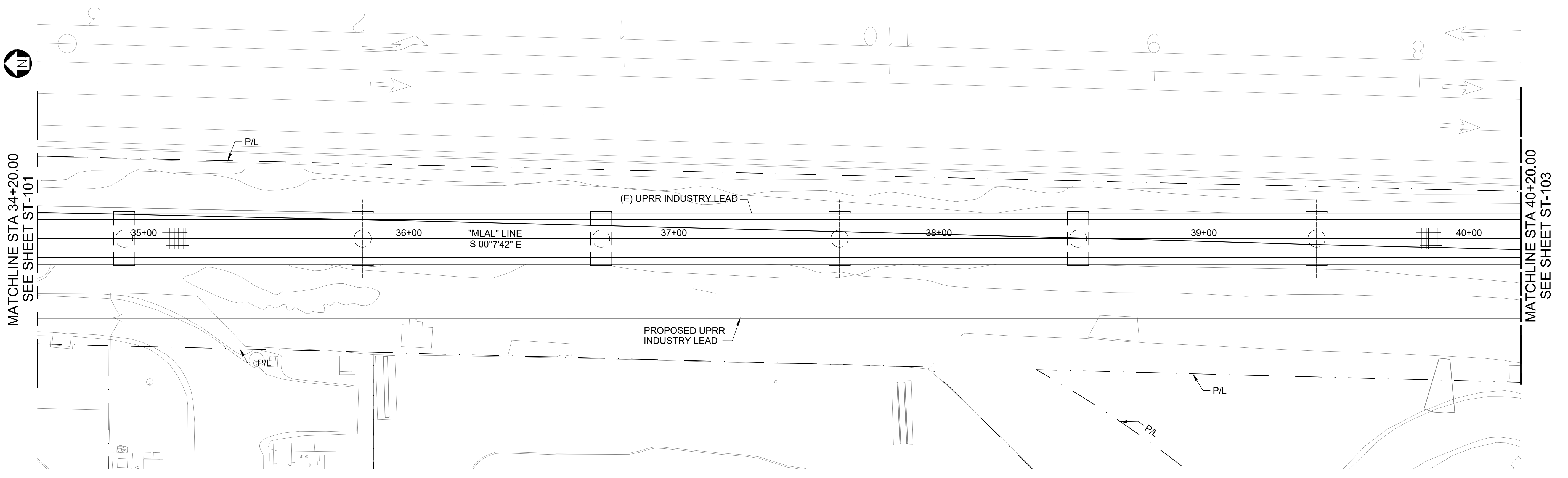
		 2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com	<b>DRAFT</b> NOT FOR CONSTRUCTION  12/18/2023	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td></td> <td>12/22/2023</td> <td>15% SUBMITTAL</td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION		12/22/2023	15% SUBMITTAL	 <b>San Joaquin</b> Joint Powers Authority	<b>SAN JOAQUIN JOINT POWERS AUTHORITY</b> MERCED INTERMODAL TRACK CONNECTION MERCED, CA	SHEET TITLE: <b>STRUCTURAL          MITC VIADUCT          STRUCTURE PLAN          SHEET 1 OF 13</b>
MARK	DATE	DESCRIPTION											
	12/22/2023	15% SUBMITTAL											
SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:	PROFESSIONAL SEAL:	ISSUE:			PROJ NO: 22311 SCALE: AS NOTED DATE: 12/18/2023 DESIGNED BY: DH/KL	SHEET NO. <b>ST-101</b> SHEET OF					

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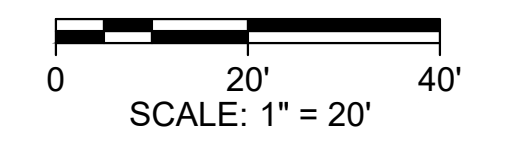




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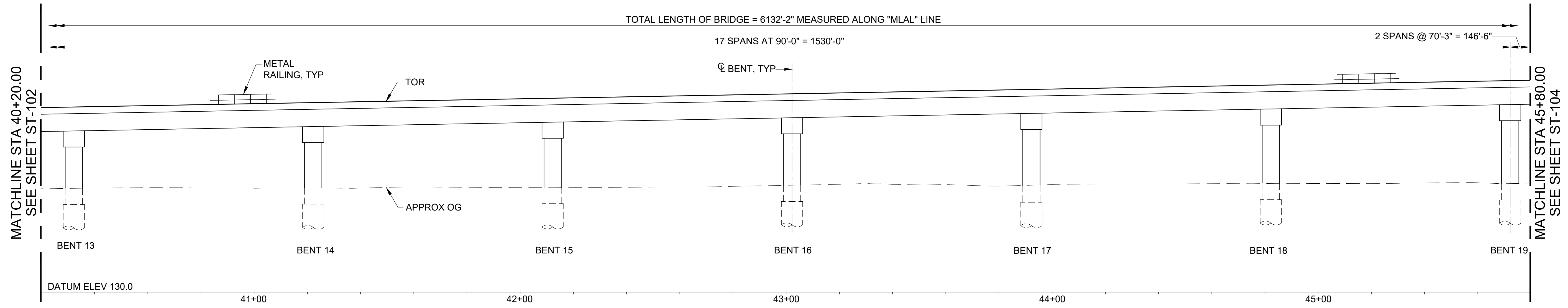
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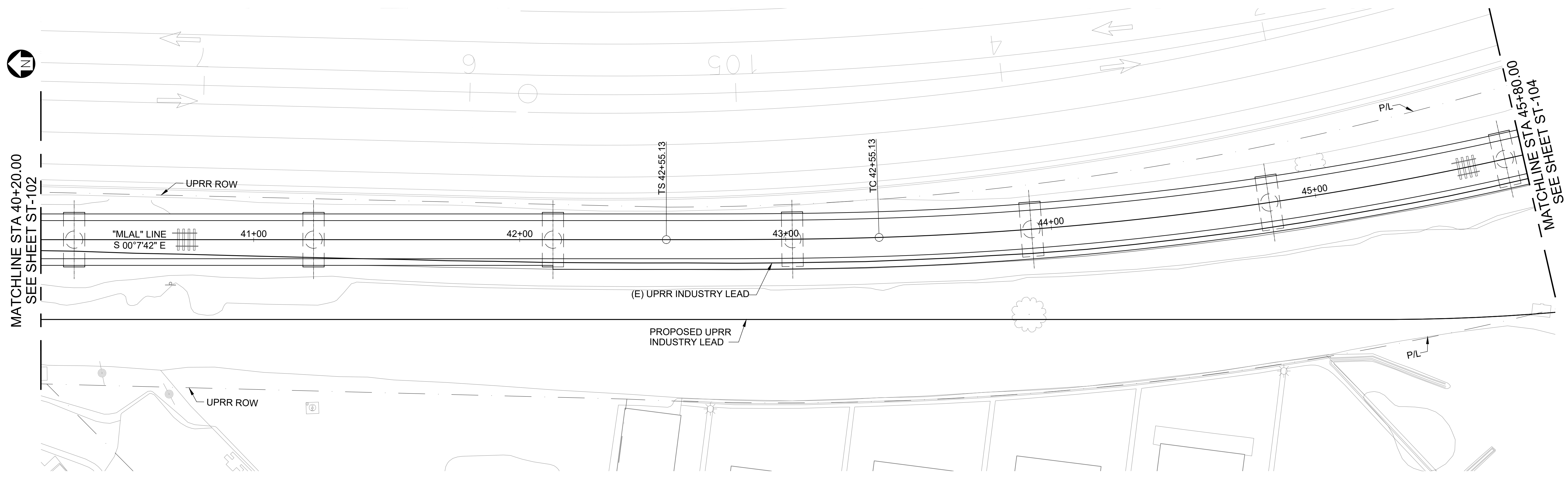
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SUBCONSULTANT:	SUBCONSULTANT:	 2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com	PROFESSIONAL SEAL:	DRAFT NOT FOR CONSTRUCTION  12/18/2023	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td></td> <td>12/22/2023</td> <td>15% SUBMITTAL</td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION		12/22/2023	15% SUBMITTAL	 SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION MERCED, CA	SHEET TITLE: STRUCTURAL MITC VIADUCT STRUCTURE PLAN SHEET 2 OF 13  PROJ NO: 22311 SCALE: AS NOTED DATE: 12/18/2023 DESIGNED BY: DH/KL	SHEET NO. ST-102  SHEET OF
MARK	DATE	DESCRIPTION												
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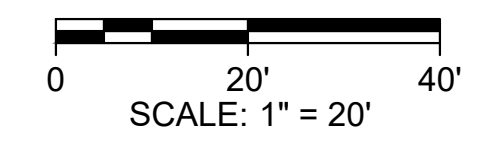
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**1 | ELEVATION**  
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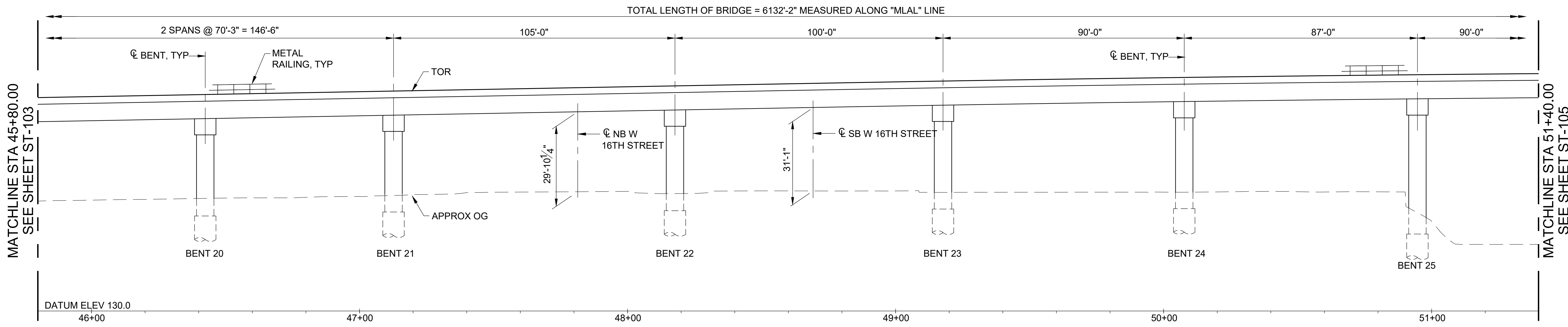
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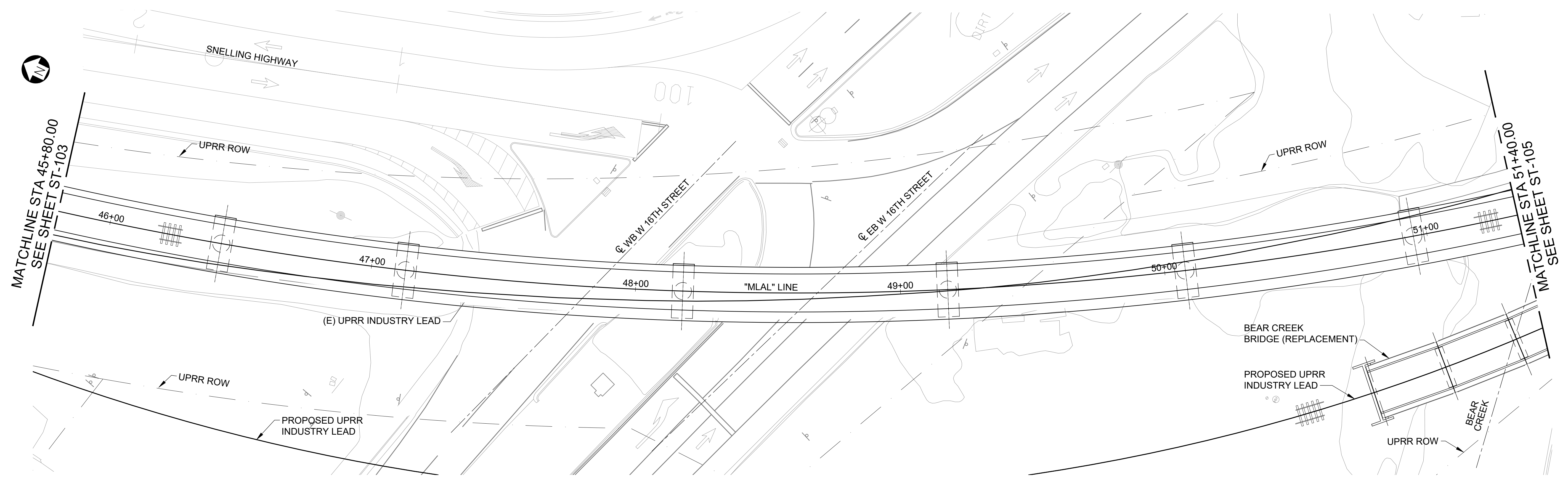
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SUBCONSULTANT:	SUBCONSULTANT:	<b>AECOM</b> 2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com	PROFESSIONAL SEAL:	<b>DRAFT</b> NOT FOR CONSTRUCTION  12/18/2023 ISSUE:	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td></td> <td>12/22/2023</td> <td>15% SUBMITTAL</td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION		12/22/2023	15% SUBMITTAL	<b>San Joaquin</b> Joint Powers Authority	SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION MERCED, CA	SHEET TITLE: <b>STRUCTURAL          MITC VIADUCT          STRUCTURE PLAN          SHEET 3 OF 13</b>
MARK	DATE	DESCRIPTION												
	12/22/2023	15% SUBMITTAL												
SUBCONSULTANT:		PRIME CONSULTANT:		ISSUE:		PROJ NO: 22311 SCALE: AS NOTED DATE: 12/18/2023 DESIGNED BY: DH/KL		SHEET NO. <b>ST-103</b> SHEET OF						

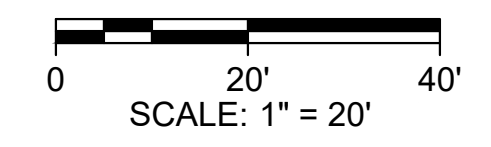
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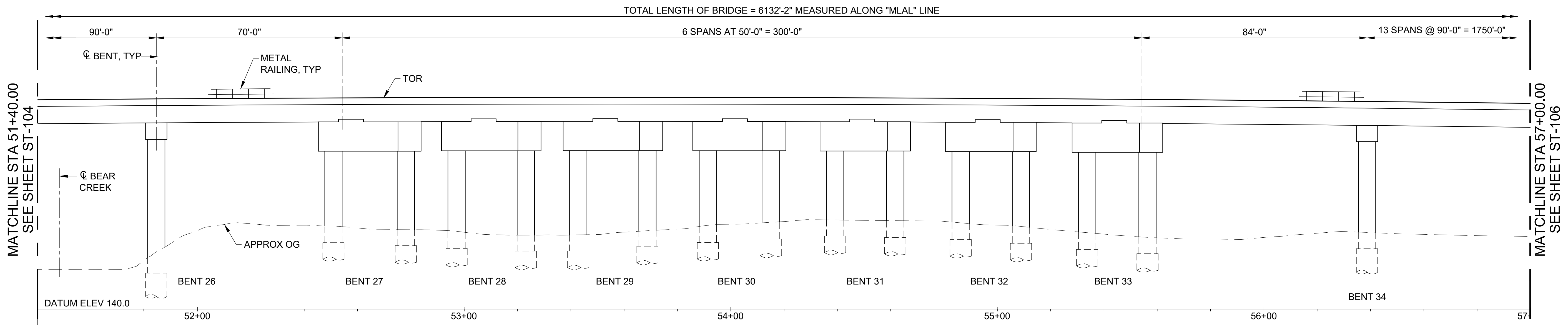


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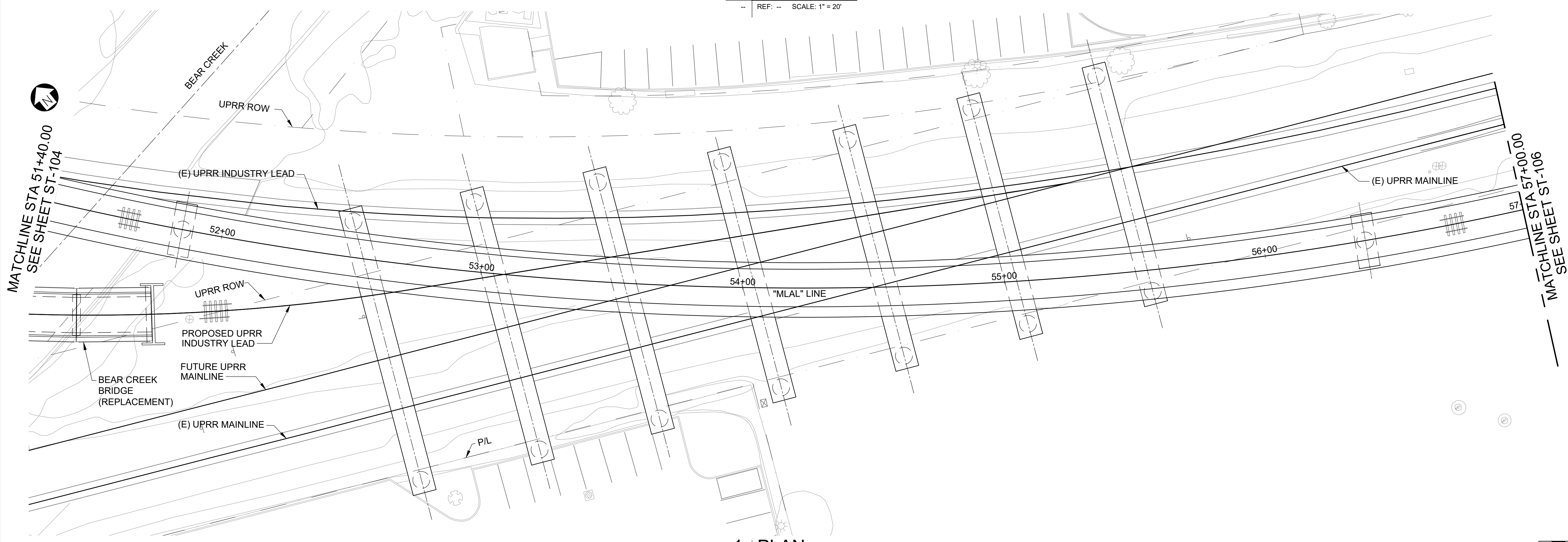


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<p>SUBCONSULTANT:</p>	<p>SUBCONSULTANT:</p>	<p><b>AECOM</b></p> <p>2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com</p>	<p>PROFESSIONAL SEAL:</p>	<p>DRAFT NOT FOR CONSTRUCTION</p> <p>12/18/2023</p>	<p>ISSUE:</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">REVISIONS:</th> </tr> <tr> <td>MARK</td> <td>DATE</td> </tr> <tr> <td> </td> <td>12/22/2023</td> </tr> <tr> <td> </td> <td>15% SUBMITTAL</td> </tr> <tr> <td> </td> <td>DESCRIPTION</td> </tr> </table>	REVISIONS:		MARK	DATE		12/22/2023		15% SUBMITTAL		DESCRIPTION	 <p><b>San Joaquin</b> Joint Powers Authority</p>	<p>SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION MERCED, CA</p>	<p>SHEET TITLE:</p> <p style="text-align: center;"><b>STRUCTURAL MITC VIADUCT STRUCTURE PLAN SHEET 4 OF 13</b></p>	<p>PROJ NO: 22311 SCALE: AS NOTED DATE: 12/18/2023 DESIGNED BY: DH/KL</p>	<p>SHEET NO. <b>ST-104</b></p> <p>SHEET OF</p>
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1 | ELEVATION  
-- REF: -- SCALE: 1" = 20'



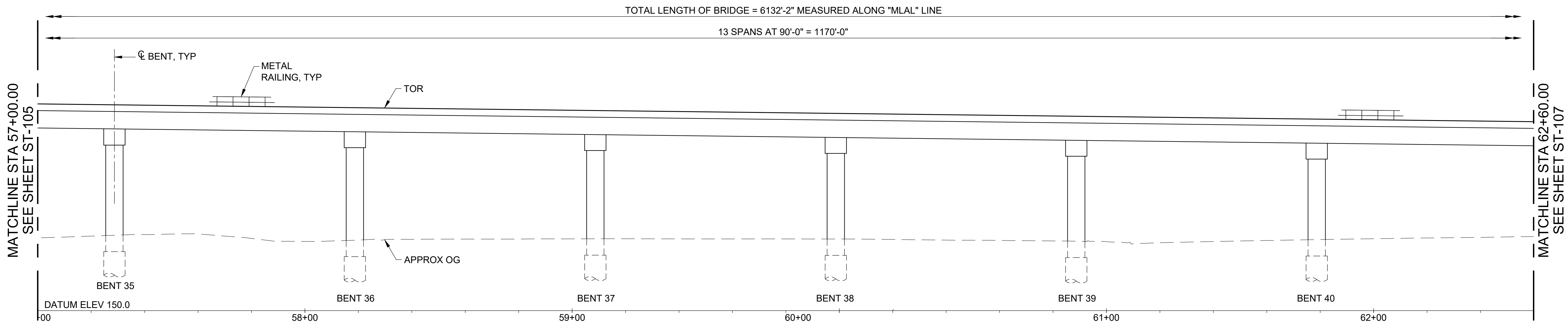
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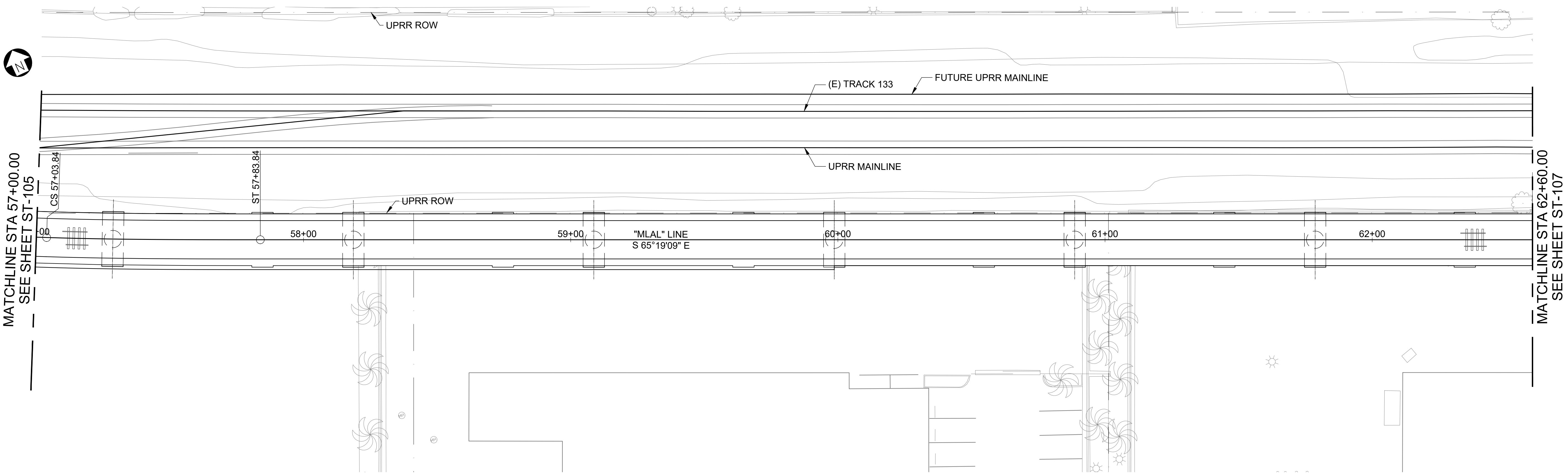
SUBCONSULTANT:	SUBCONSULTANT:	2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com	PROFESSIONAL SEAL:	DRAFT NOT FOR CONSTRUCTION  12/18/2023	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>12/22/2023</td> <td>12/22/2023</td> <td>15% SUBMITTAL</td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION	12/22/2023	12/22/2023	15% SUBMITTAL	SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION MERCED, CA	SHEET TITLE: STRUCTURAL MITC VIADUCT STRUCTURE PLAN SHEET 5 OF 13
MARK	DATE	DESCRIPTION											
12/22/2023	12/22/2023	15% SUBMITTAL											
		PROJ NO: 22311 SCALE: AS NOTED DATE: 12/18/2023 DESIGNED BY: DH/KL	SHEET NO. <b>ST-105</b> SHEET OF										

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1 | ELEVATION

-- REF: -- SCALE: 1" = 20'



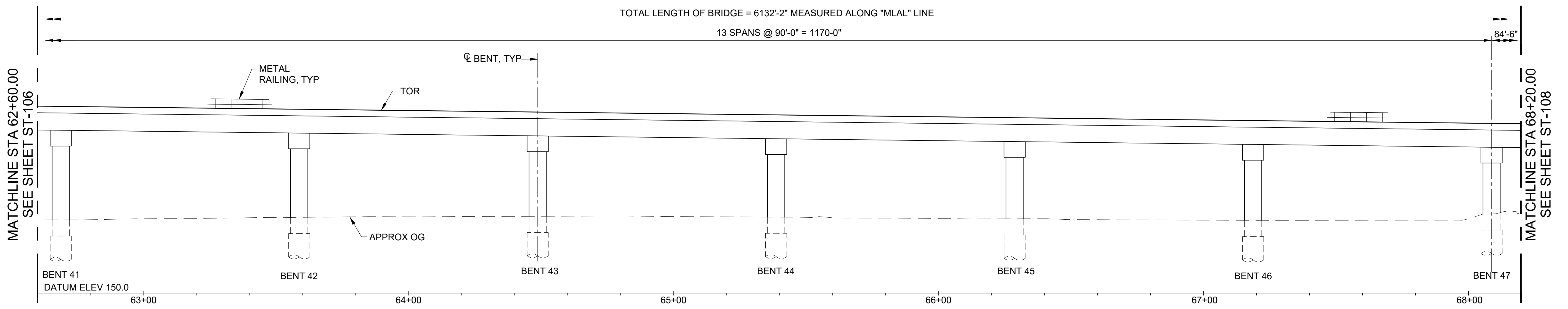
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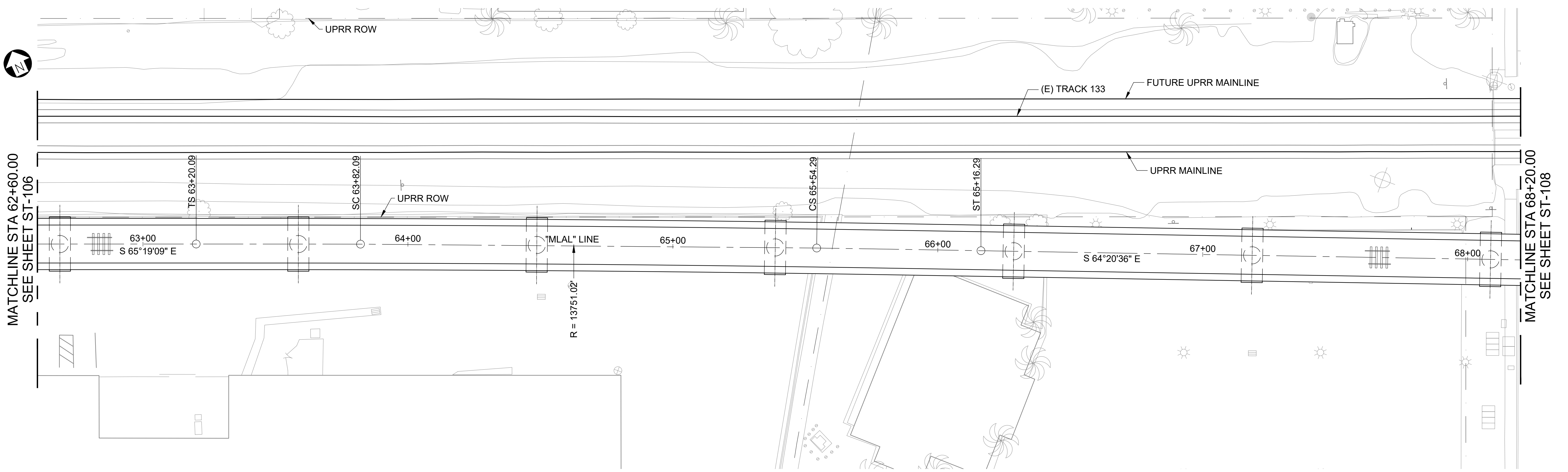


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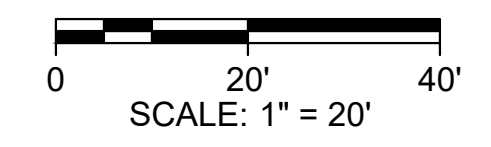
SUBCONSULTANT:		 2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com		PROFESSIONAL SEAL:	<b>DRAFT</b> NOT FOR CONSTRUCTION  12/18/2023		REVISIONS: <table border="1"> <tr><td>MARK</td><td>DATE</td><td>DESCRIPTION</td></tr> <tr><td></td><td>12/22/2023</td><td>15% SUBMITTAL</td></tr> </table>	MARK	DATE	DESCRIPTION		12/22/2023	15% SUBMITTAL		SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION MERCED, CA		SHEET TITLE: <b>STRUCTURAL          MITC VIADUCT          STRUCTURE PLAN          SHEET 6 OF 13</b>	
MARK	DATE	DESCRIPTION																
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		PRIME CONSULTANT:			ISSUE:				PROJ NO: 22311 SCALE: AS NOTED DATE: 12/18/2023 DESIGNED BY: DH/KL		SHEET NO. <b>ST-106</b> SHEET OF							






**1 | ELEVATION**  
REF: -- SCALE: 1" = 20'

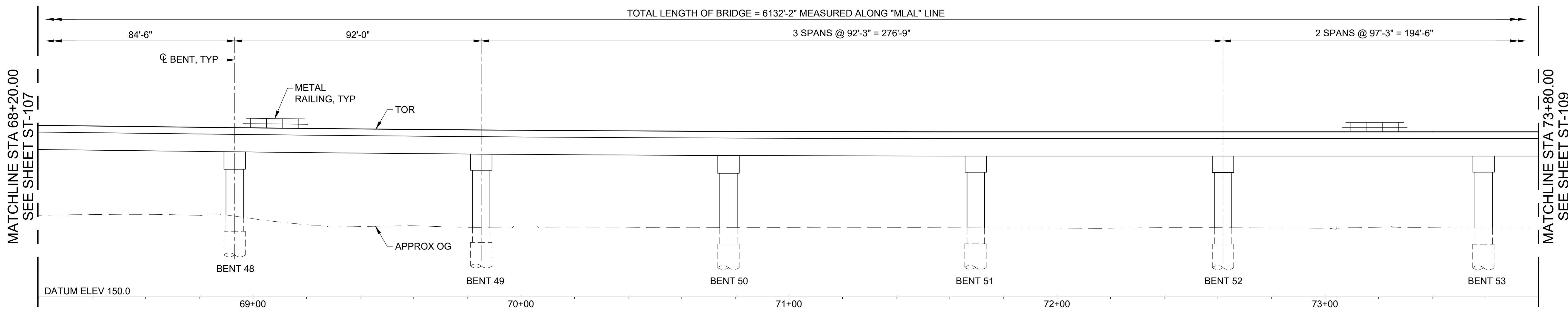


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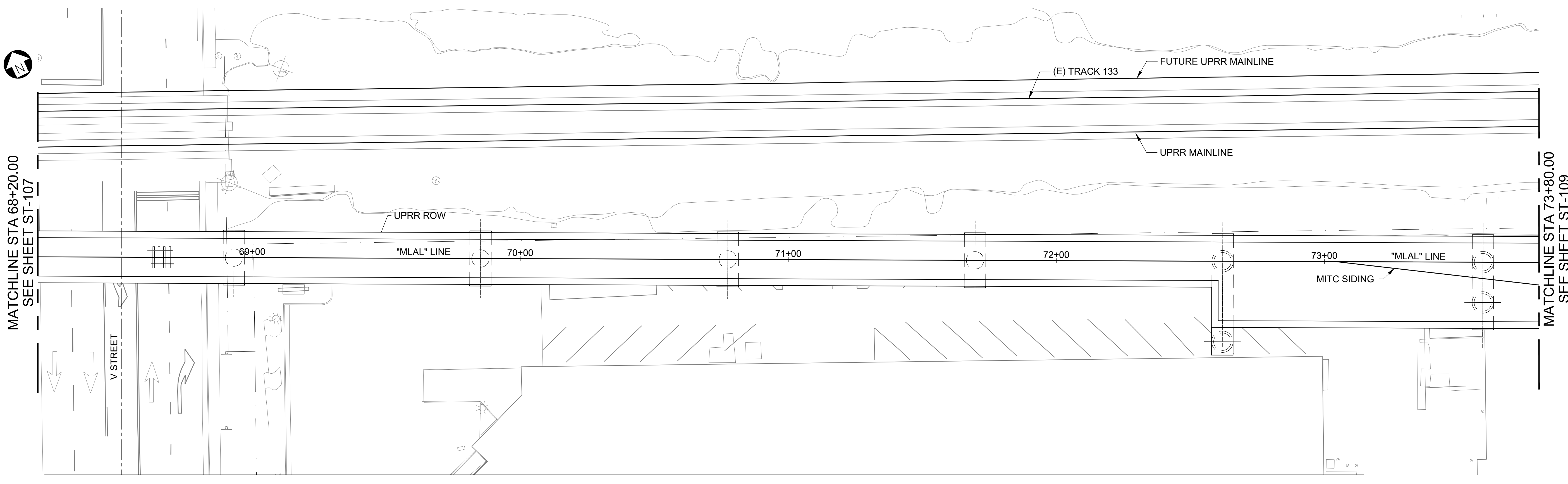


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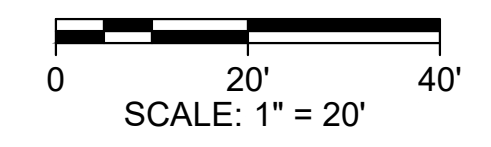
		 2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com		<b>DRAFT</b> NOT FOR CONSTRUCTION  12/18/2023	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td></td> <td>12/22/2023</td> <td>15% SUBMITTAL</td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION		12/22/2023	15% SUBMITTAL	 <b>San Joaquin</b> Joint Powers Authority	<b>SAN JOAQUIN JOINT POWERS AUTHORITY</b> MERCED INTERMODAL TRACK CONNECTION MERCED, CA	SHEET TITLE: <b>STRUCTURAL          MITC VIADUCT          STRUCTURE PLAN          SHEET 7 OF 13</b>
MARK	DATE	DESCRIPTION												
	12/22/2023	15% SUBMITTAL												
SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:	PROFESSIONAL SEAL:	ISSUE:	MARK	DATE	DESCRIPTION	 <b>San Joaquin</b> Joint Powers Authority	<b>PROJECT NO: 22311</b> SCALE: AS NOTED DATE: 12/18/2023 DESIGNED BY: DH/KL	SHEET NO. <b>ST-107</b> SHEET OF				



**1 | ELEVATION**  
REF: -- SCALE: 1" = 20'



**1 | PLAN**  
REF: -- SCALE: 1" = 20'



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SUBCONSULTANT:

SUBCONSULTANT:

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Sacramento, CA 95811  
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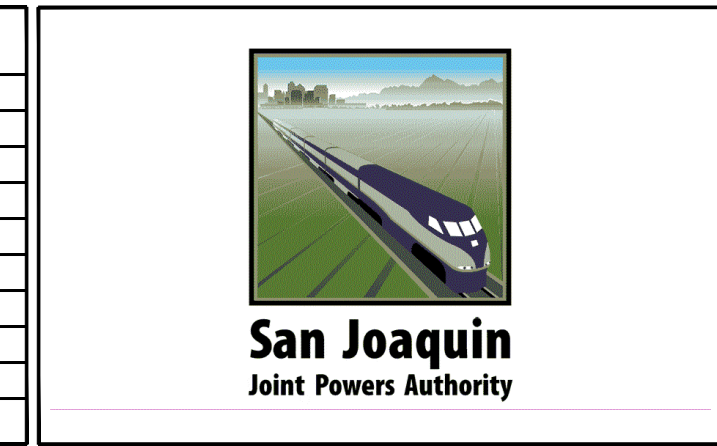
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DRAFT  
NOT FOR  
CONSTRUCTION

12/18/2023

REVISIONS:

MARK	DATE	DESCRIPTION
	12/22/2023	15% SUBMITTAL



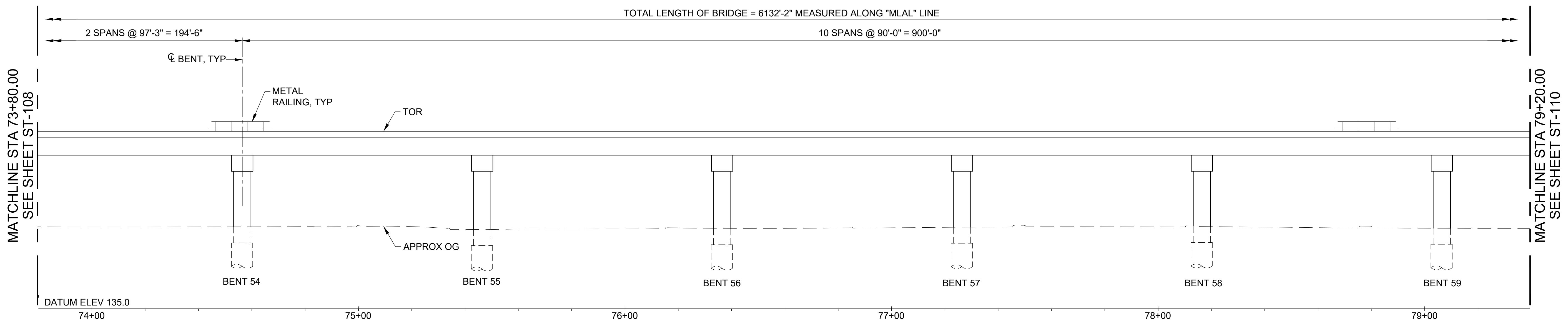
SAN JOAQUIN JOINT POWERS AUTHORITY  
MERCED INTERMODAL  
TRACK CONNECTION  
MERCED, CA

SHEET TITLE: STRUCTURAL MITC VIADUCT STRUCTURE PLAN SHEET 8 OF 13

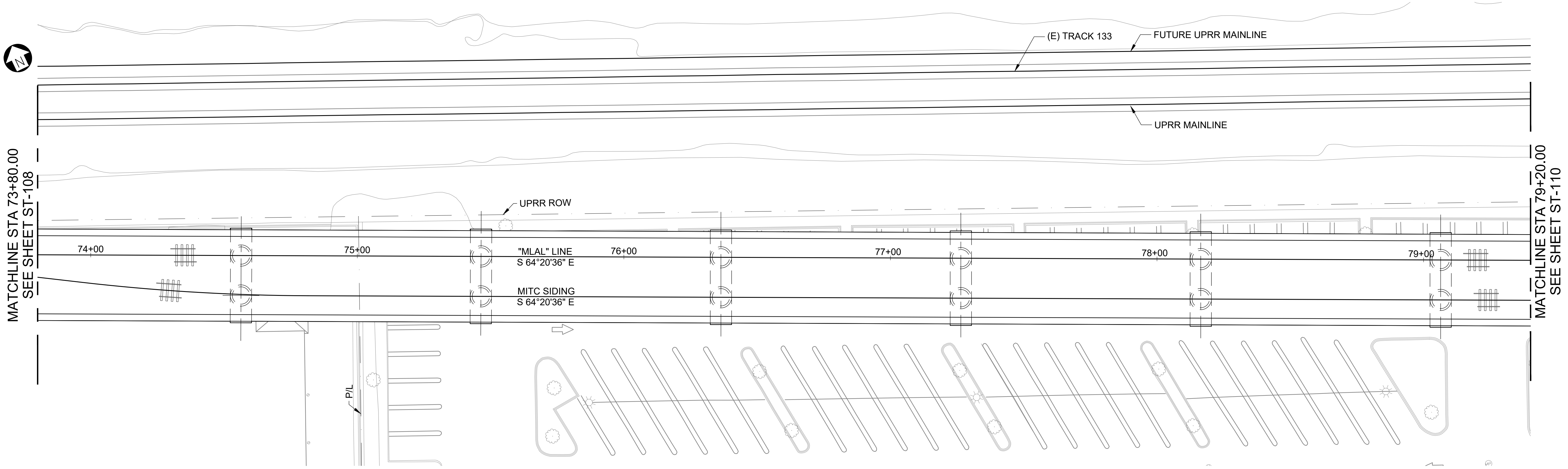
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SCALE: AS NOTED  
DATE: 12/18/2023  
DESIGNED BY: DH/KL

SHEET NO. ST-108  
SHEET OF

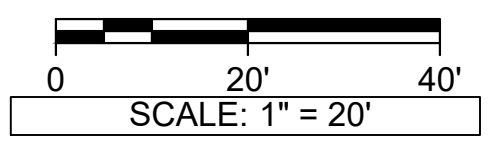
IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING



**1 ELEVATION**  
 REF: -- SCALE: 1" = 20'



**1 PLAN**  
 REF: -- SCALE: 1" = 20'

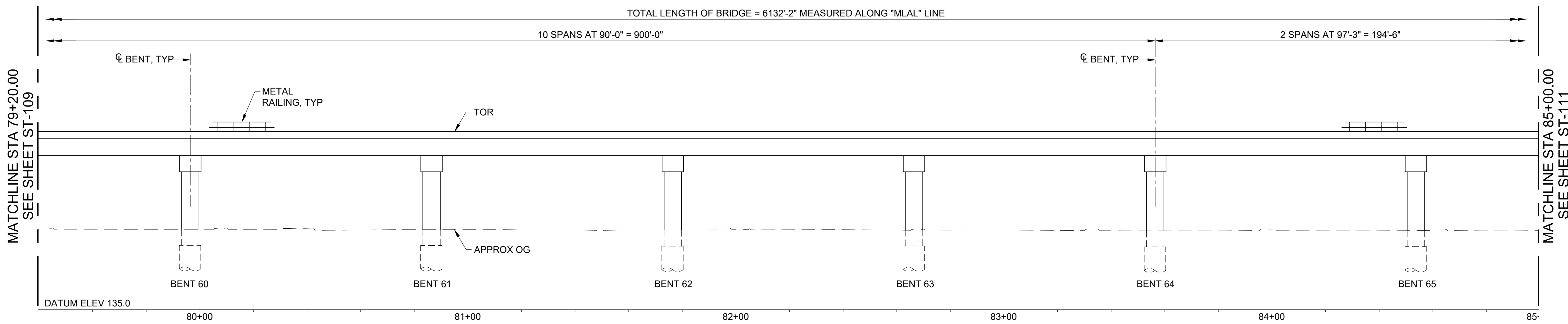


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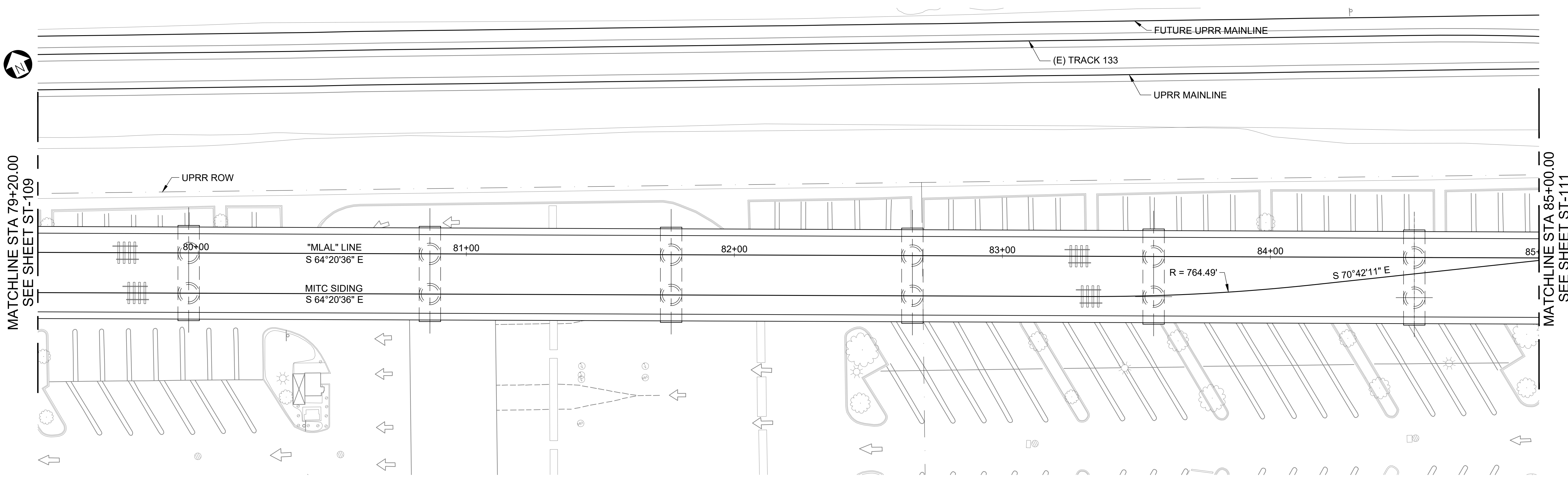
		<p>2020 L Street, Suite 300        Sacramento, CA 95811        T 916-414-5800        www.aecom.com</p>		<p><b>DRAFT</b>        NOT FOR        CONSTRUCTION</p> <p>12/18/2023</p>	<p>REVISIONS:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>12/22/2023</td> <td></td> <td>15% SUBMITTAL</td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION	12/22/2023		15% SUBMITTAL	<p><b>San Joaquin</b>        Joint Powers Authority</p>	<p>SAN JOAQUIN JOINT POWERS AUTHORITY        MERCED INTERMODAL        TRACK CONNECTION        MERCED, CA</p>	<p>SHEET TITLE:</p> <p style="text-align: center;"><b>STRUCTURAL        MITC VIADUCT        STRUCTURE PLAN        SHEET 9 OF 13</b></p>
MARK	DATE	DESCRIPTION												
12/22/2023		15% SUBMITTAL												
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IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

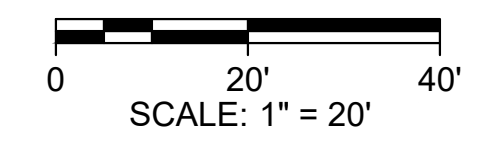




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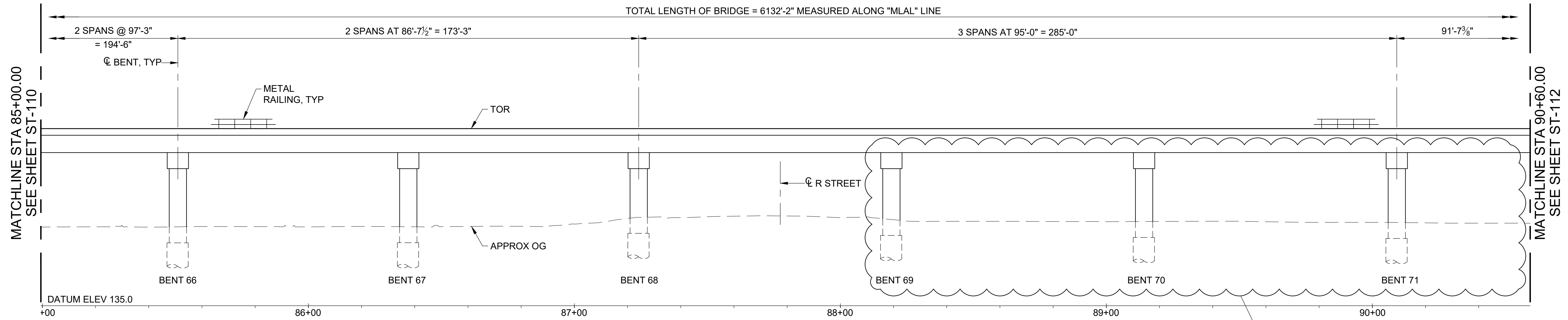
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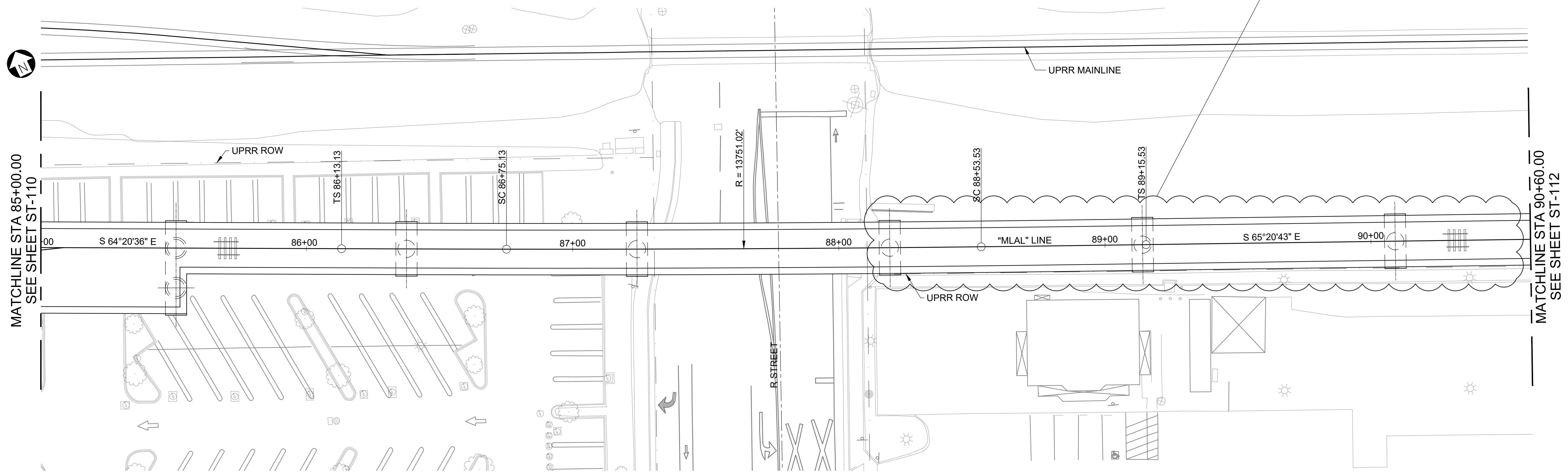
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MARK	DATE	DESCRIPTION											
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SUBCONSULTANT:		PRIME CONSULTANT:		ISSUE:		PROJ NO: 22311 SCALE: AS NOTED DATE: 12/18/2023 DESIGNED BY: DH/KL		SHEET NO. <b>ST-110</b> SHEET OF					

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

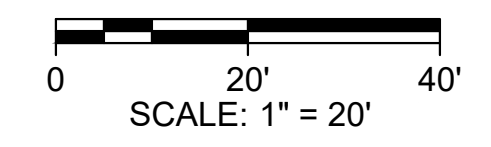


**1 ELEVATION**  
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NOTE:  
 GUIDEWAY SUBSTRUCTURE AND  
 PLATFORM SHOWN ARE TEMPORARY,  
 DESIGN TO BE PROVIDED BY CHSRA.



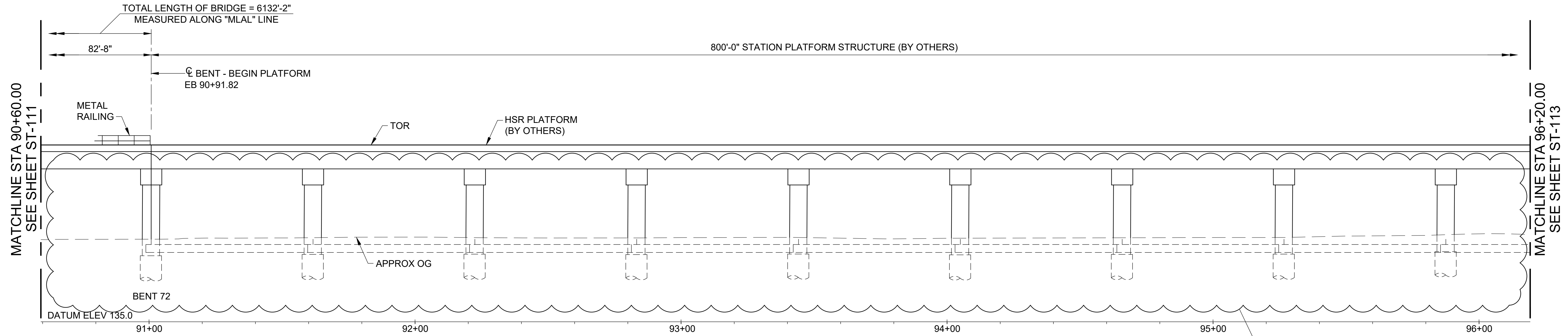
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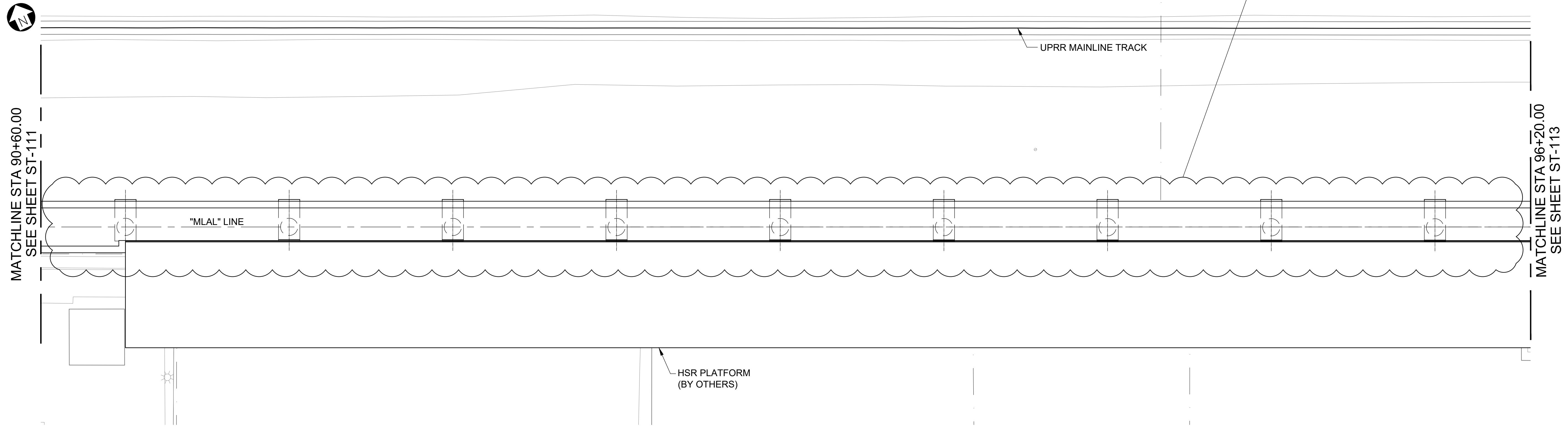
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	12/22/2023	15% SUBMITTAL												
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IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

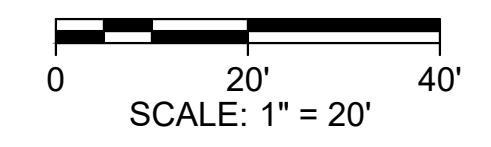


**1 | ELEVATION**  
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NOTE:  
 GUIDEWAY SUBSTRUCTURE AND  
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 DESIGN TO BE PROVIDED BY CHSRA.



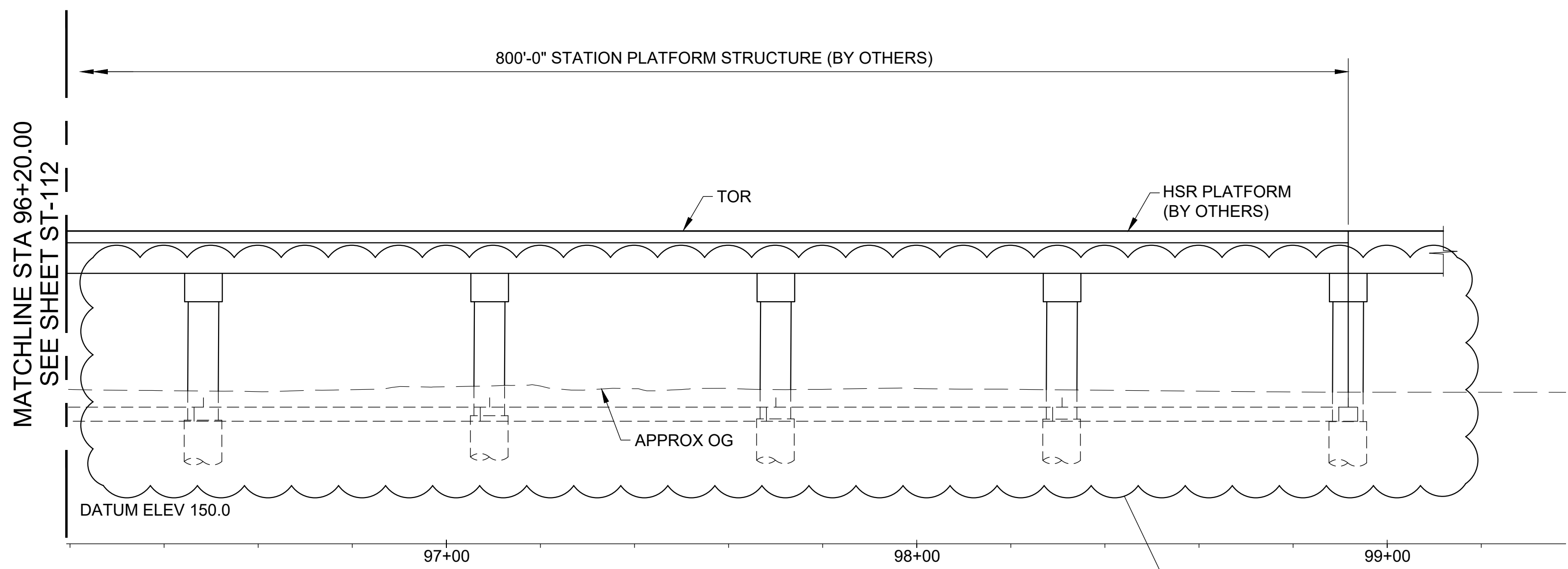
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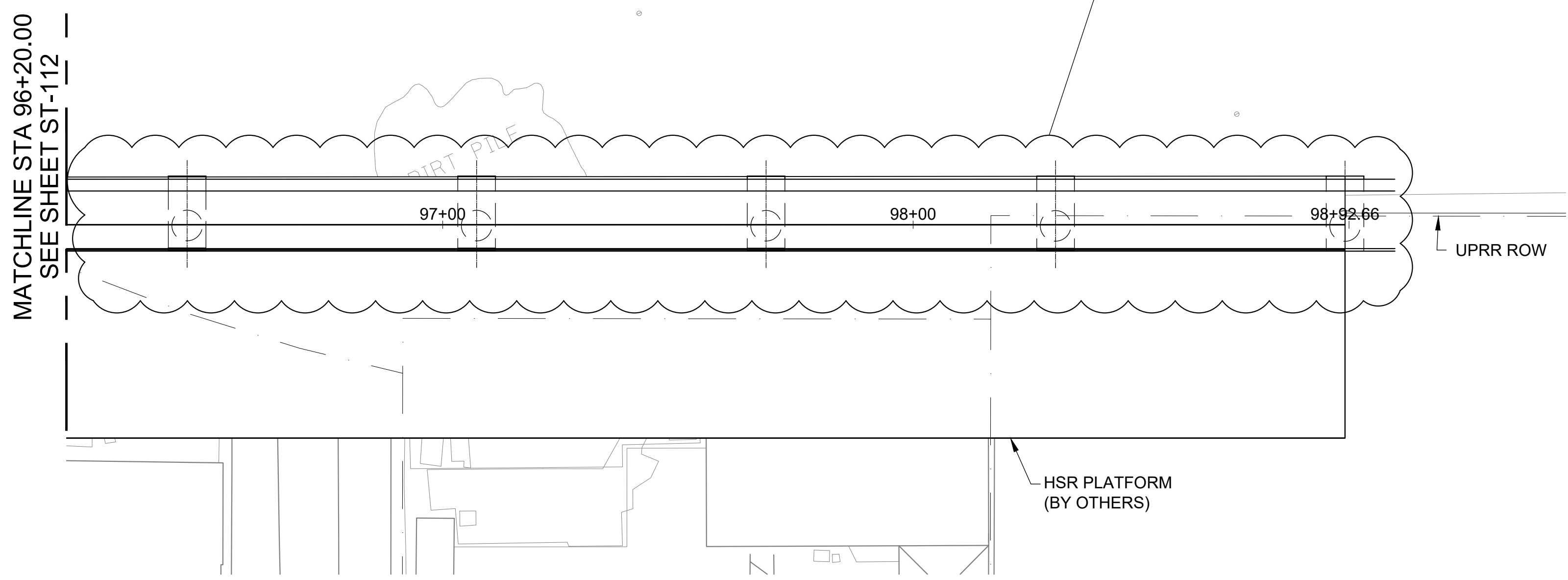
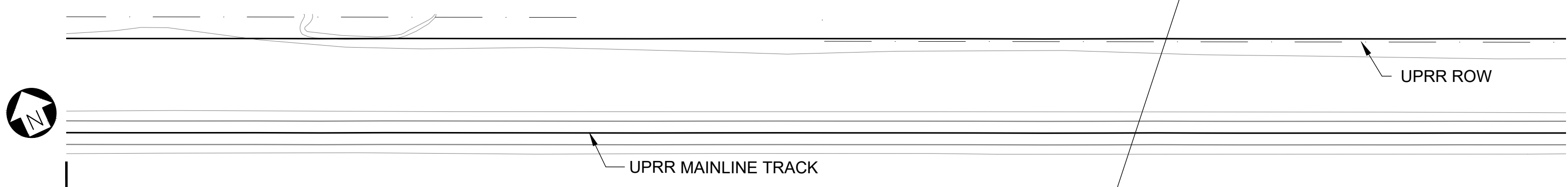
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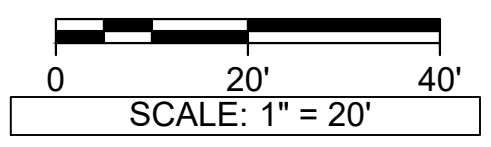


**1 | ELEVATION**  
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NOTE:  
GUIDEWAY SUBSTRUCTURE AND  
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DESIGN TO BE PROVIDED BY CHSRA.



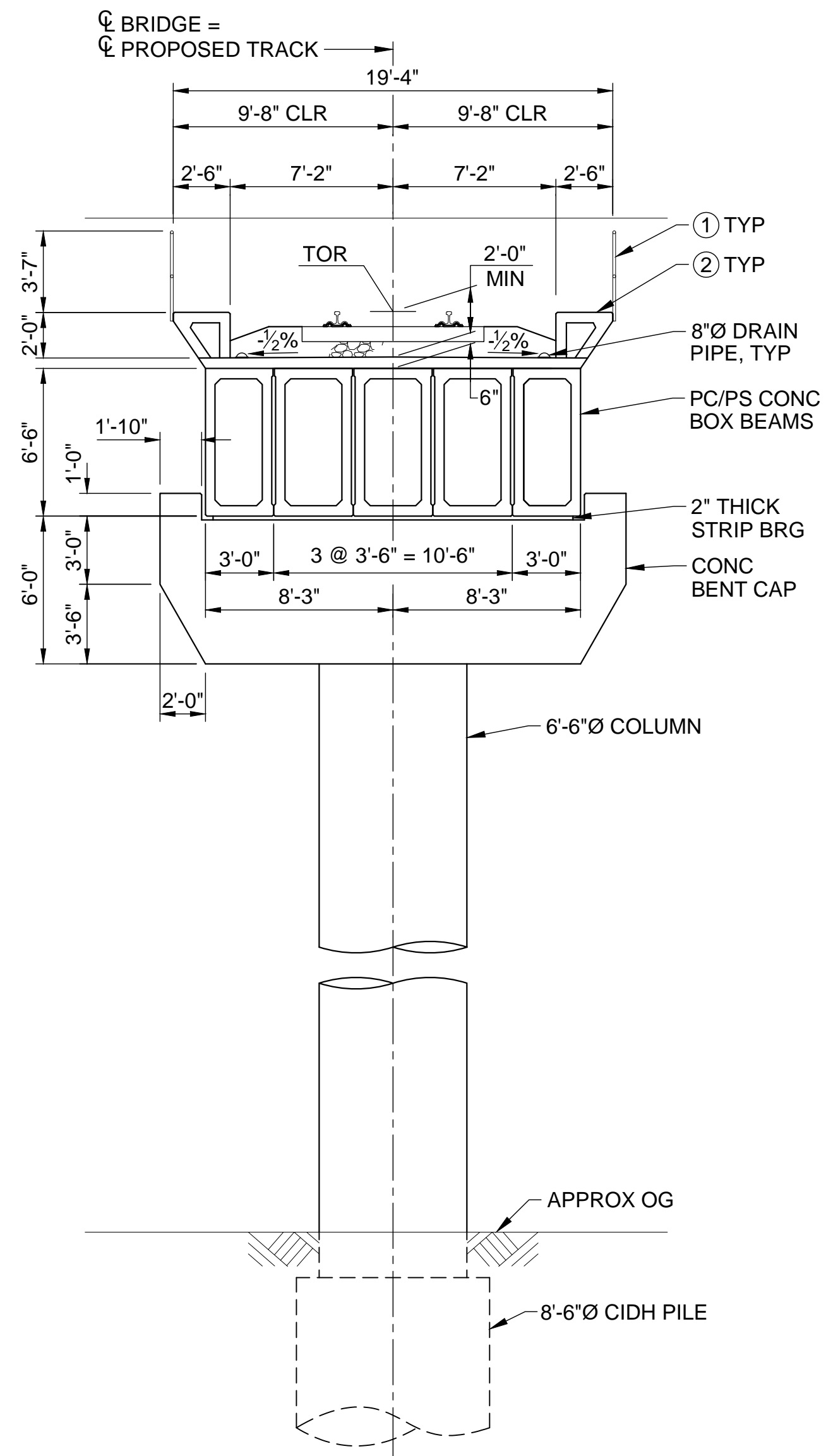
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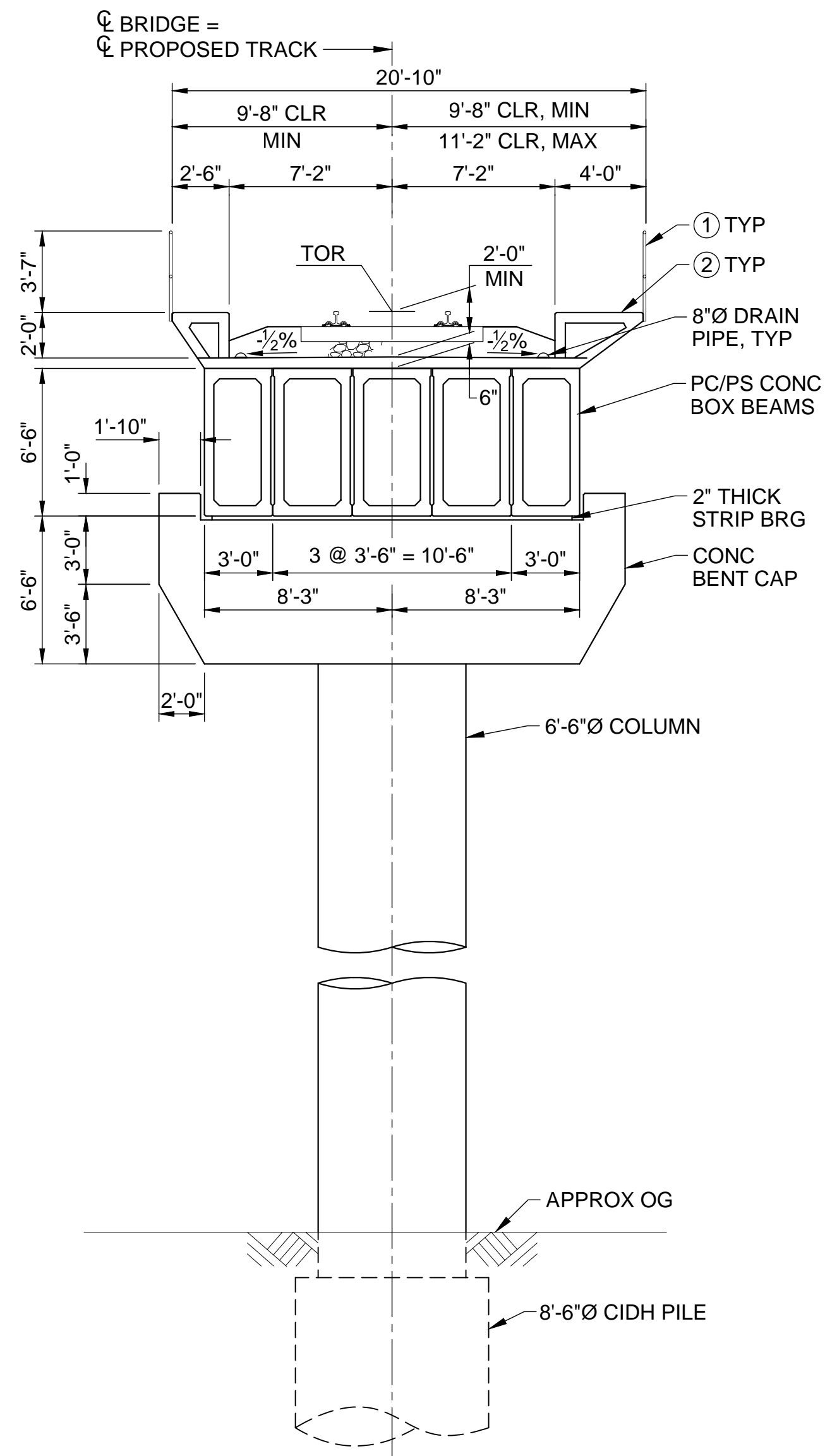
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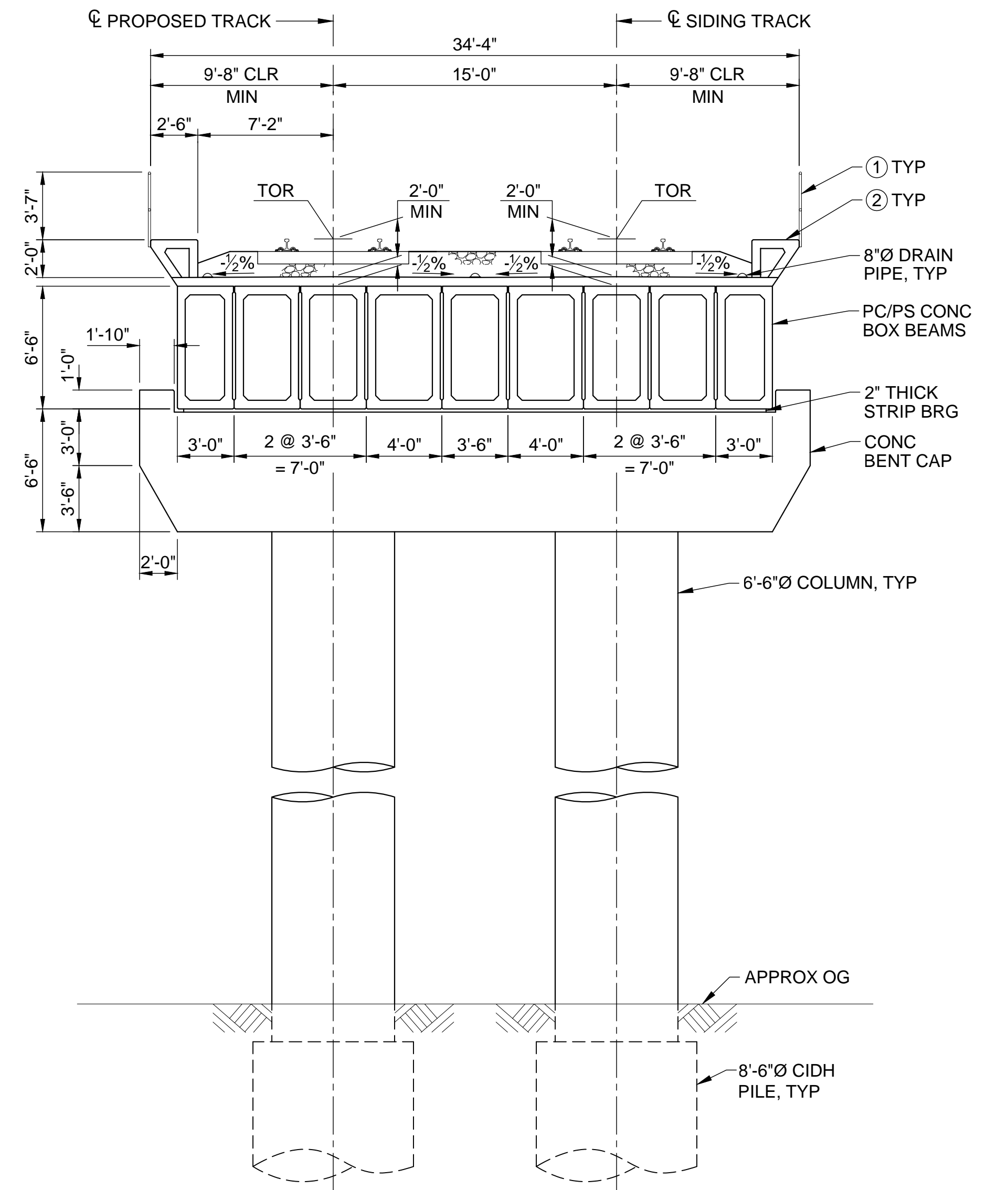
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(STRAIGHT SPANS)**

-- REF: -- SCALE: 3/16" = 1'-0"



**TYPICAL SECTION  
2  
(CURVED SPANS)**

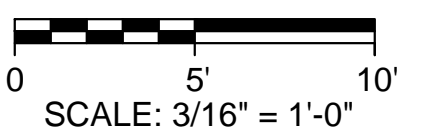
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**TYPICAL SECTION  
3  
(SIDING TRACK)**

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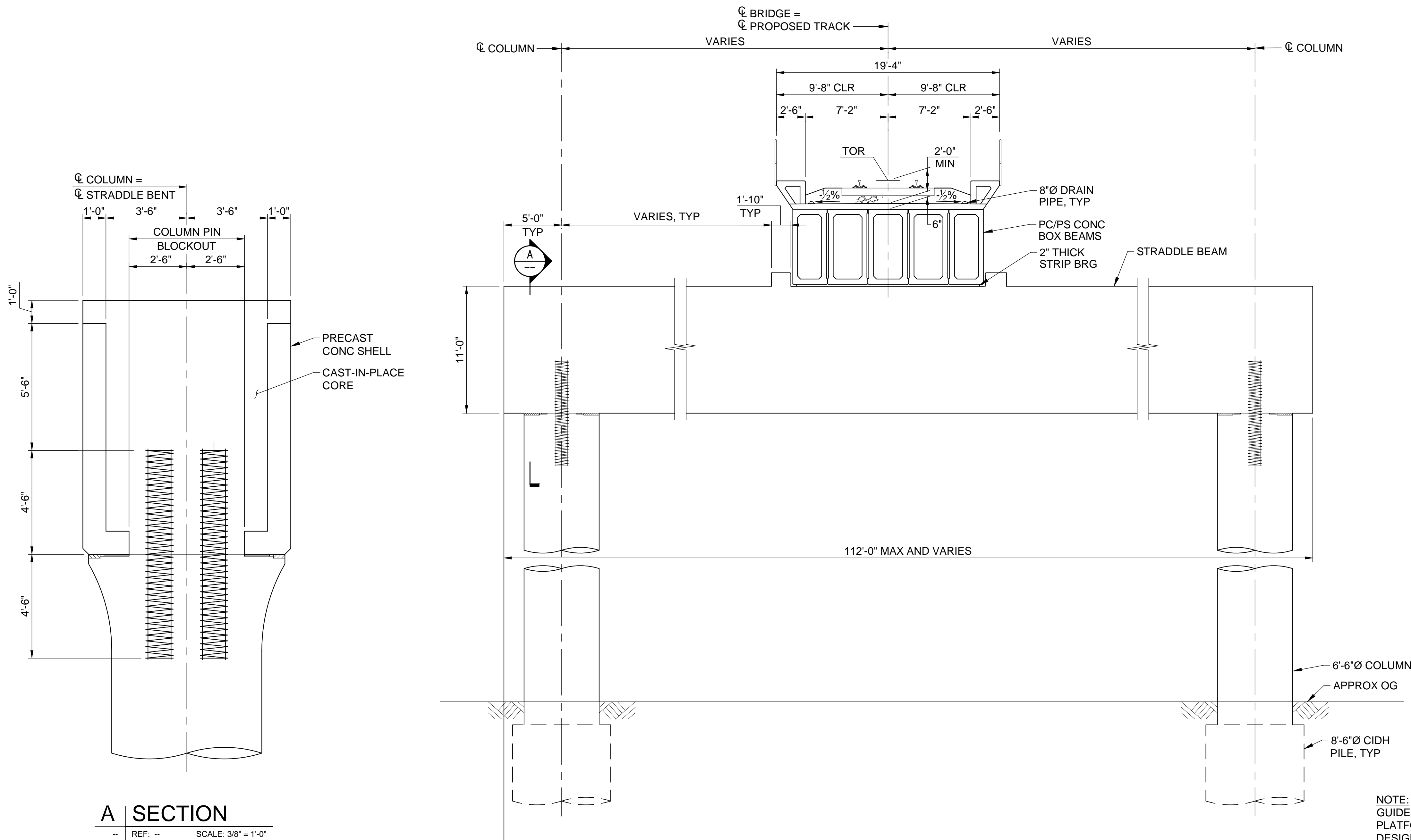
- LEGEND:**
- ① HANDRAIL
  - ② PC CONC CURB AND WALKWAY



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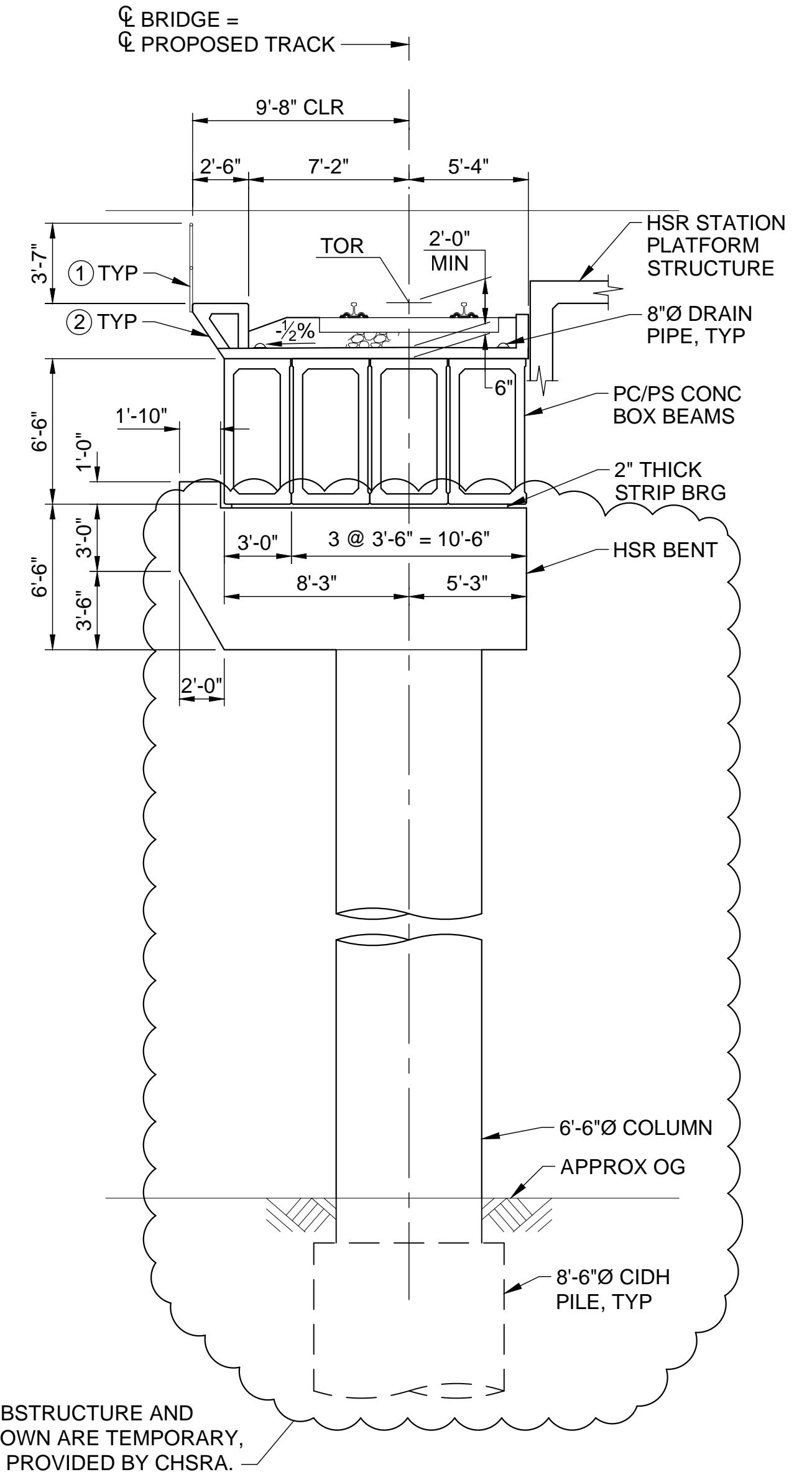
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SUBCONSULTANT:	SUBCONSULTANT:	PROFESSIONAL SEAL:	ISSUE:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th>MARK</th><th>DATE</th><th>DESCRIPTION</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	MARK	DATE	DESCRIPTION																																		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>PROJ NO: 22311</td><td rowspan="3" style="text-align: center; vertical-align: middle;">SHEET NO. <b>ST-114</b></td></tr> <tr><td>SCALE: AS NOTED</td></tr> <tr><td>DATE: 12/18/2023</td></tr> <tr><td>DESIGNED BY: DH/KL</td><td>SHEET 60 OF 69</td></tr> </table>	PROJ NO: 22311	SHEET NO. <b>ST-114</b>	SCALE: AS NOTED	DATE: 12/18/2023	DESIGNED BY: DH/KL	SHEET 60 OF 69
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SCALE: AS NOTED																																															
DATE: 12/18/2023																																															
DESIGNED BY: DH/KL	SHEET 60 OF 69																																														

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING



**A SECTION**  
-- REF: -- SCALE: 3/8" = 1'-0"

**4 TYPICAL SECTION (STRADDLE BENT)**  
-- REF: -- SCALE: 3/16" = 1'-0"

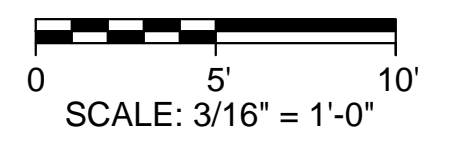


**5 TYPICAL SECTION (STATION PLATFORM STRUCTURE)**  
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NOTE:  
GUIDEWAY SUBSTRUCTURE AND PLATFORM SHOWN ARE TEMPORARY, DESIGN TO BE PROVIDED BY CHSRA.

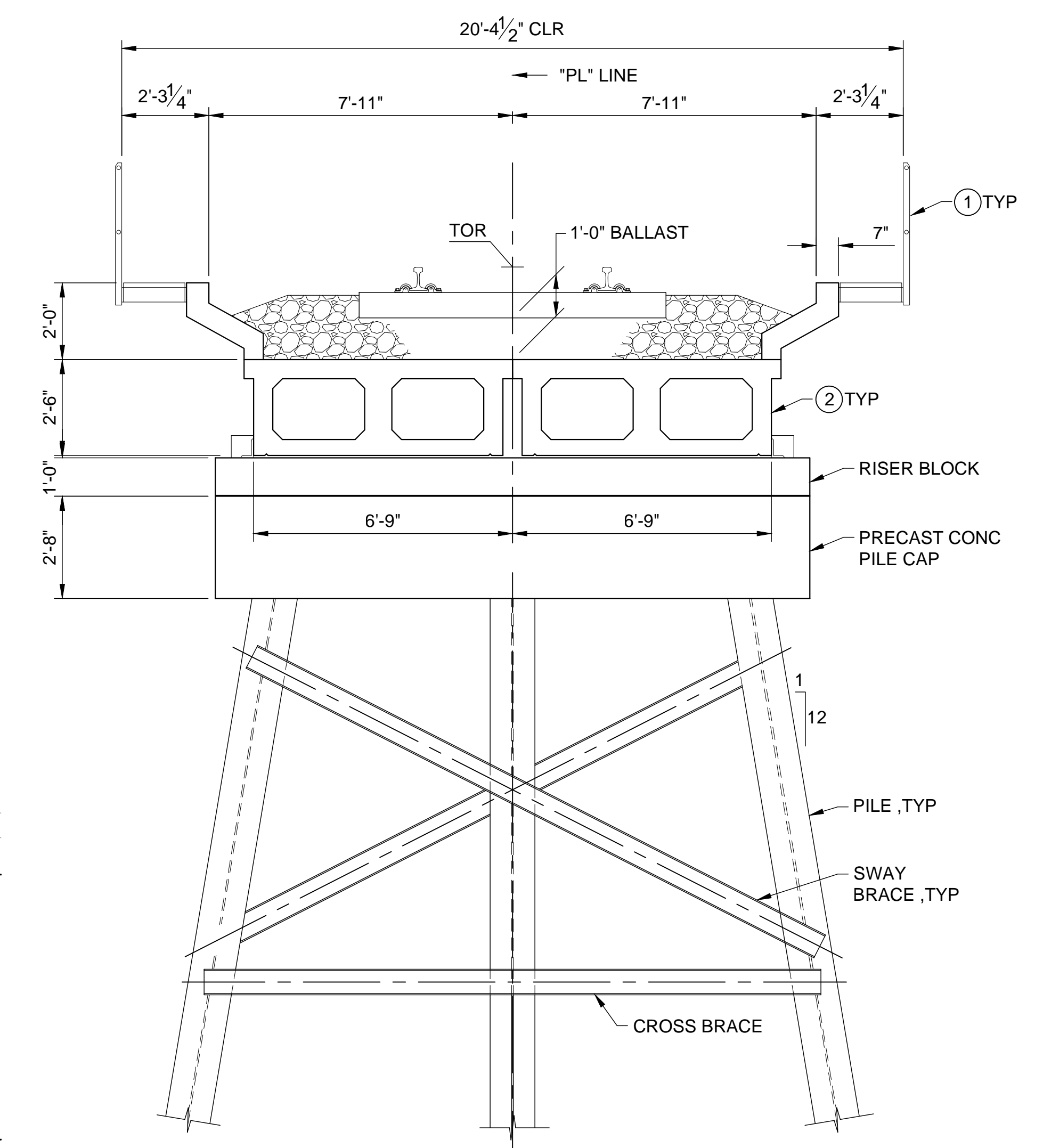
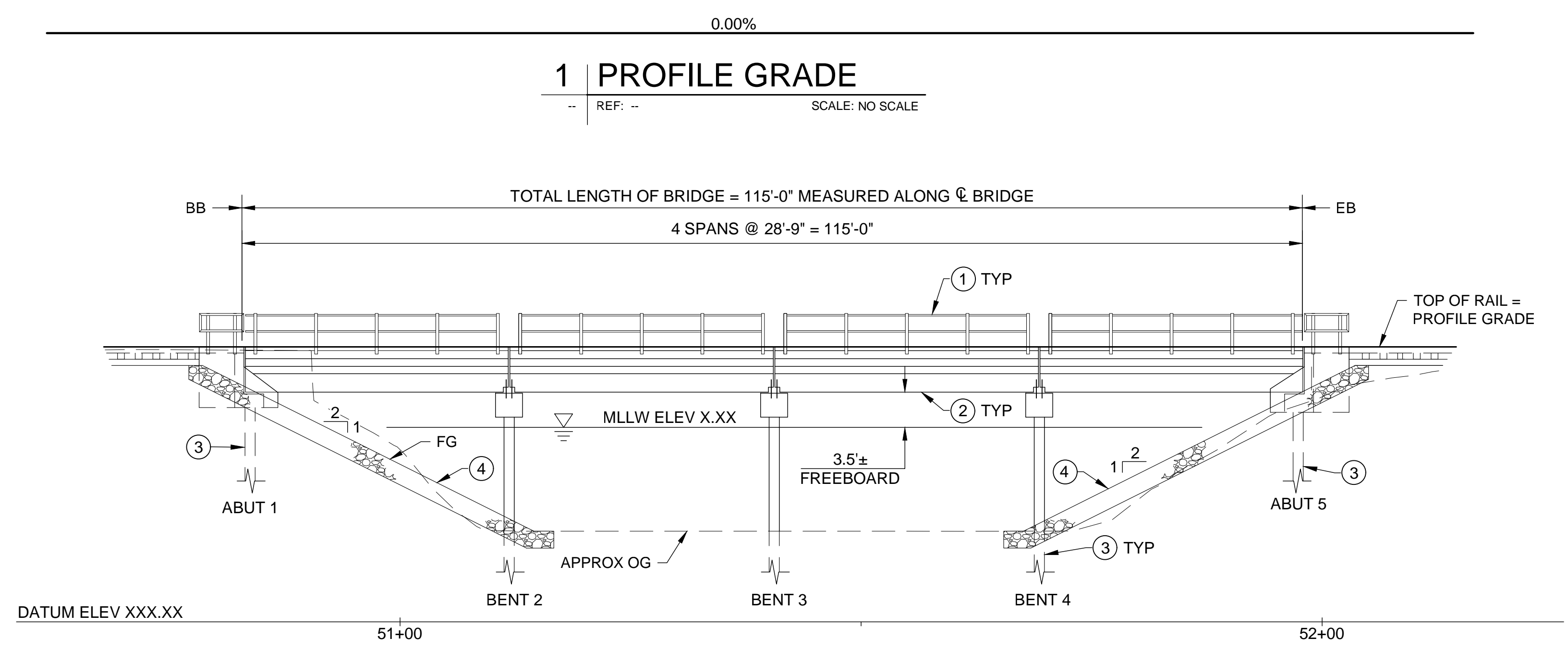
**LEGEND:**

- ① HANDRAIL
- ② PC CONC CURB AND WALKWAY



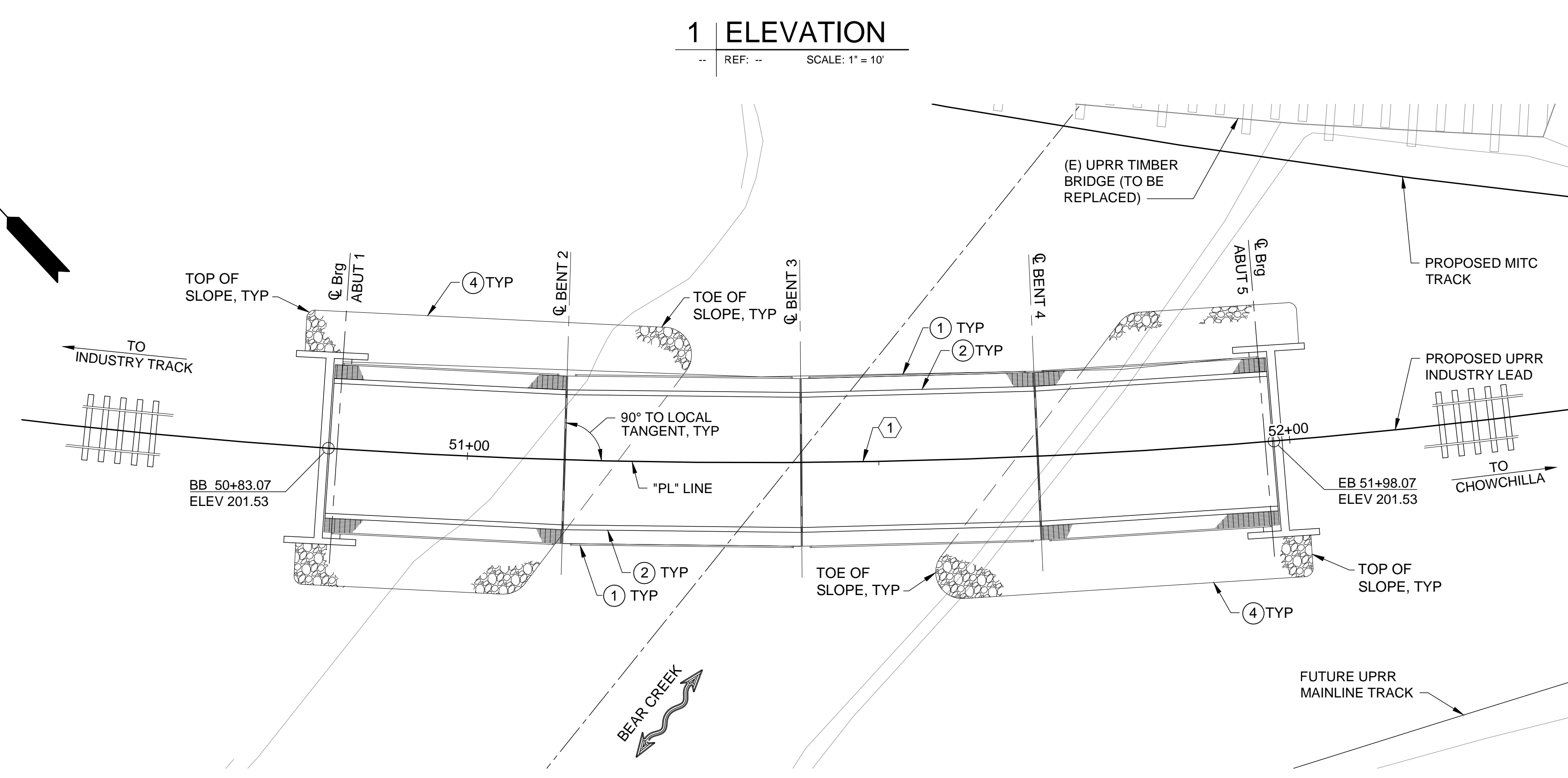
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SUBCONSULTANT:	SUBCONSULTANT:	 2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com	<b>DRAFT</b> NOT FOR CONSTRUCTION  12/18/2023	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION																												 <b>San Joaquin</b> Joint Powers Authority	<b>SAN JOAQUIN JOINT POWERS AUTHORITY</b> <b>MERCED INTERMODAL</b> <b>TRACK CONNECTION</b> MERCED, CA	SHEET TITLE: <b>STRUCTURAL</b> <b>MITC VIADUCT</b> <b>TYPICAL SECTIONS</b> <b>SHEET 2 OF 2</b>
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PROJ NO: 22311	SHEET NO.																																				
SCALE: AS NOTED	ST-115																																				
DATE: 12/18/2023	SHEET 61 OF 69																																				
DESIGNED BY: DH/KL																																					



### 1 | TYPICAL SECTION

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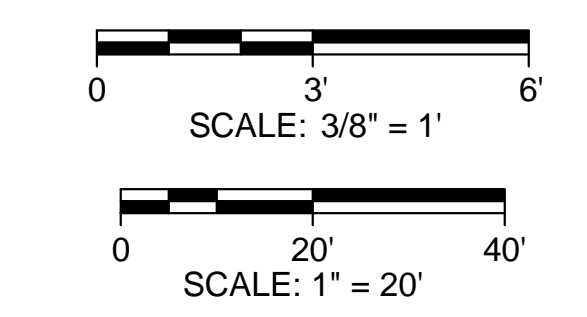


### 1 | PLAN

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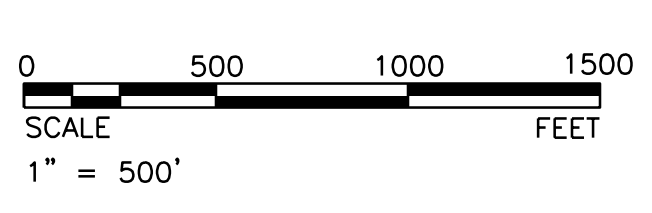
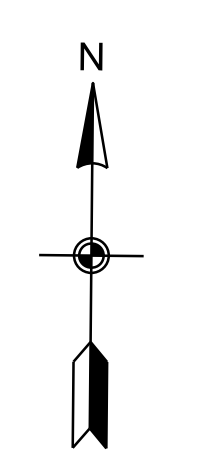
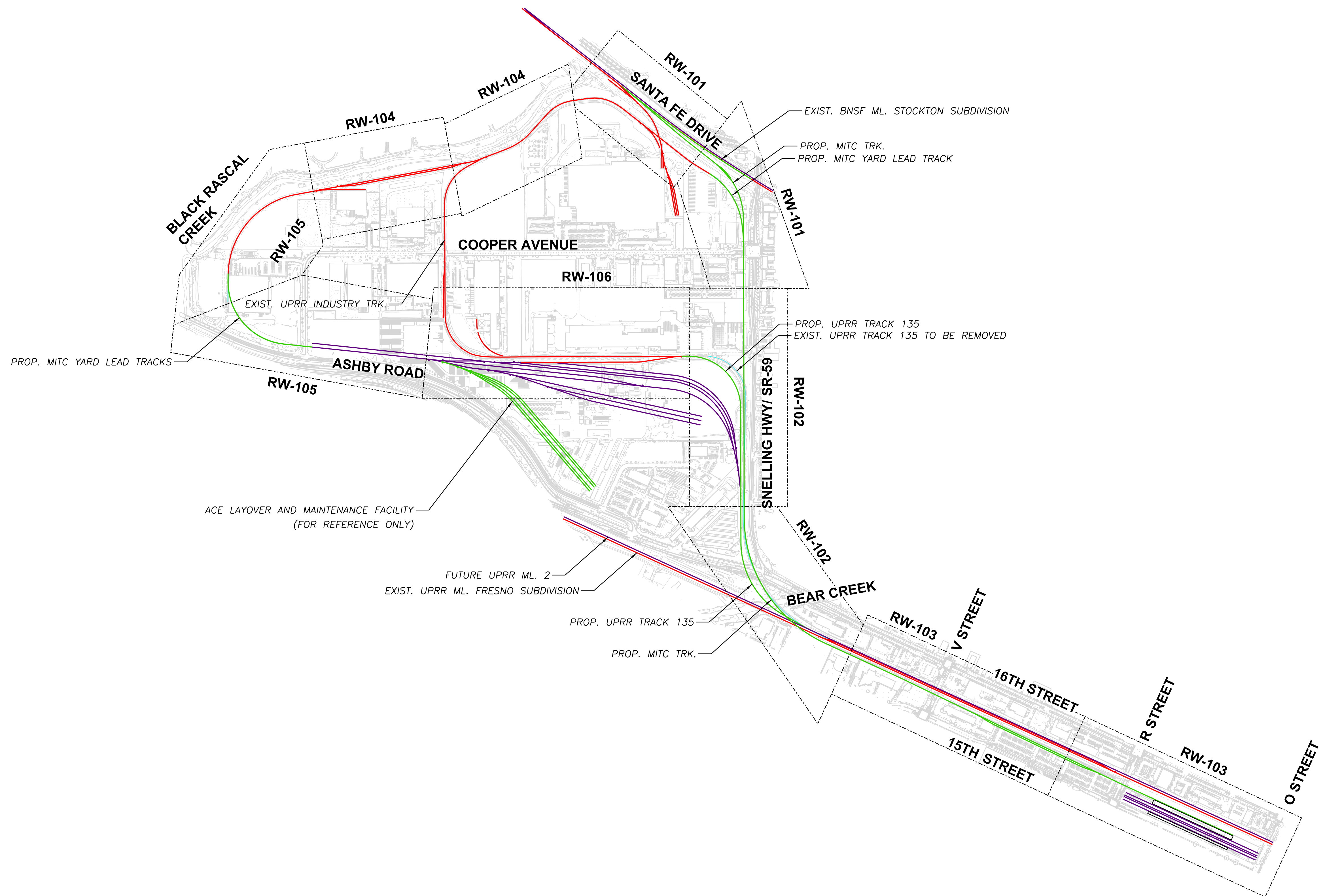
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- LEGEND:
- 1 STEEL HANDRAIL AND GRATING
  - 2 UPRR TYPE 1 30" BOX BEAM
  - 3 HP14X89 STEEL PILE
  - 4 ROCK SLOPE PROTECTION



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<p>SUBCONSULTANT:</p>	<p>SUBCONSULTANT:</p>	<p><b>AECOM</b></p> <p>2020 L Street, Suite 300        Sacramento, CA 95811        T 916-414-5800        www.aecom.com</p>	<p>PROFESSIONAL SEAL:</p>	<p>DRAFT        NOT FOR        CONSTRUCTION</p> <p>12/18/2023</p>	<p>REVISIONS:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>12/22/2023</td> <td>15% SUBMITTAL</td> <td></td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION	12/22/2023	15% SUBMITTAL		<p><b>San Joaquin</b>        Joint Powers Authority</p>	<p>SAN JOAQUIN JOINT POWERS AUTHORITY        MERCED INTERMODAL        TRACK CONNECTION        MERCED, CA</p>	<p>SHEET TITLE:</p> <p style="text-align: center;"><b>STRUCTURAL        BEAR CREEK BRIDGE (REPLACEMENT)        GENERAL PLAN</b></p> <p>PROJ NO: 22311        SCALE: AS NOTED        DATE: 12/18/2023        DESIGNED BY: DH/KL</p> <p>SHEET NO.  <b>ST-200</b></p> <p>SHEET 62 OF 69</p>
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12/22/2023	15% SUBMITTAL													



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REVISIONS:		
MARK	DATE	DESCRIPTION
	01/12/2024	15% SUBMITTAL



SAN JOAQUIN JOINT POWERS AUTHORITY  
 MERCED INTERMODAL  
 TRACK CONNECTION  
 MERCED, CA

SHEET TITLE:  
**KEY MAP MITC  
 RIGHT OF WAY PLAN**

PROJ NO: 22311 SCALE: AS NOTED DATE: 6/12/2024 DESIGNED BY: DH/GC	SHEET NO. <b>RW-100</b> SHEET OF
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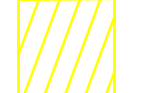
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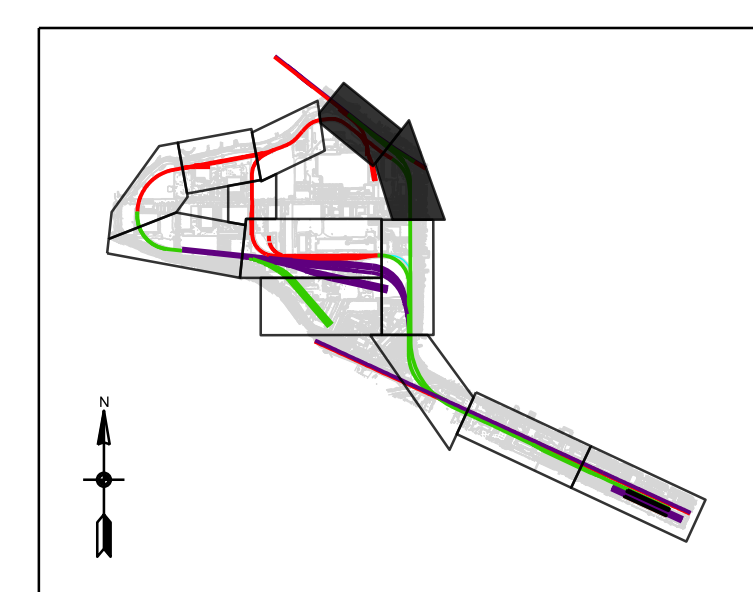
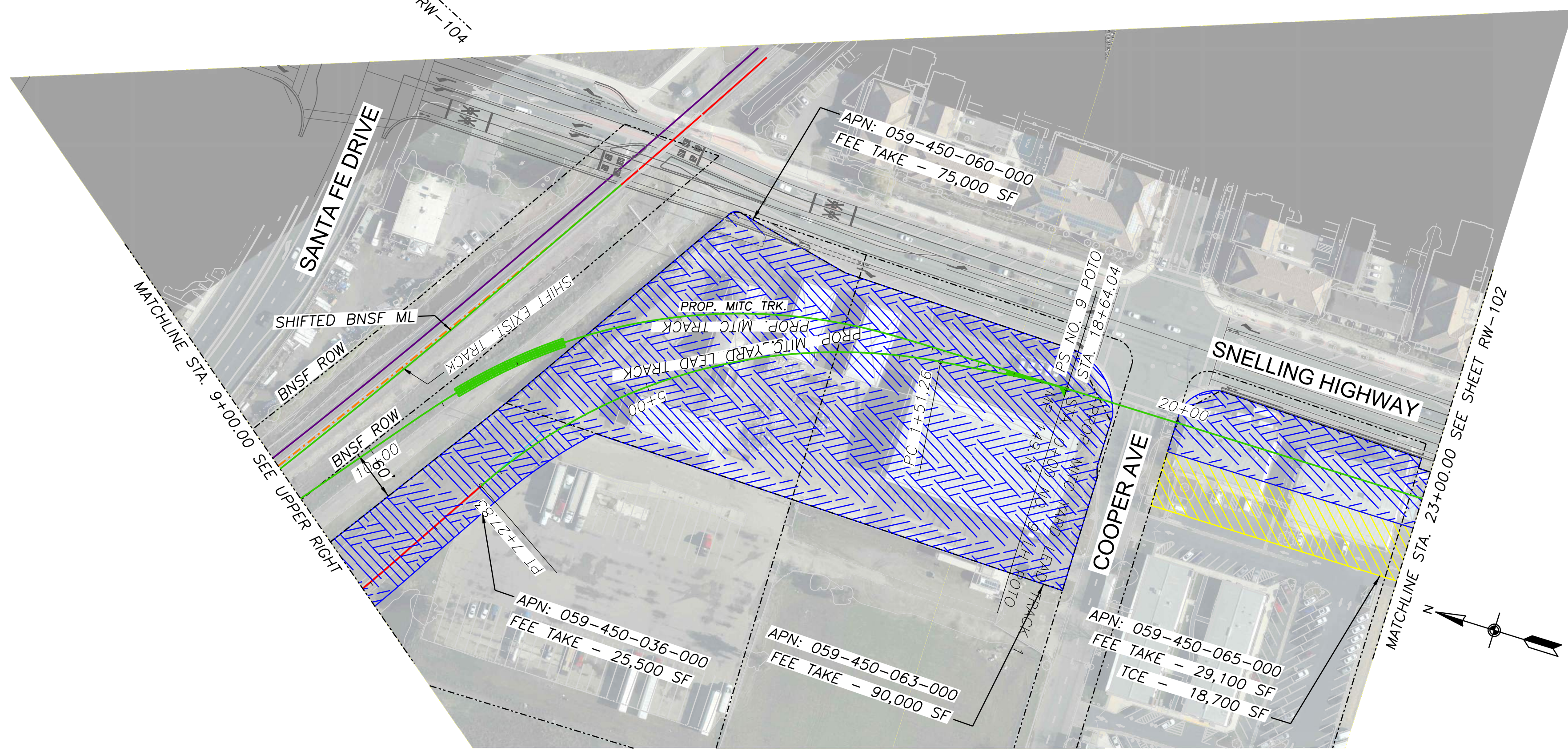
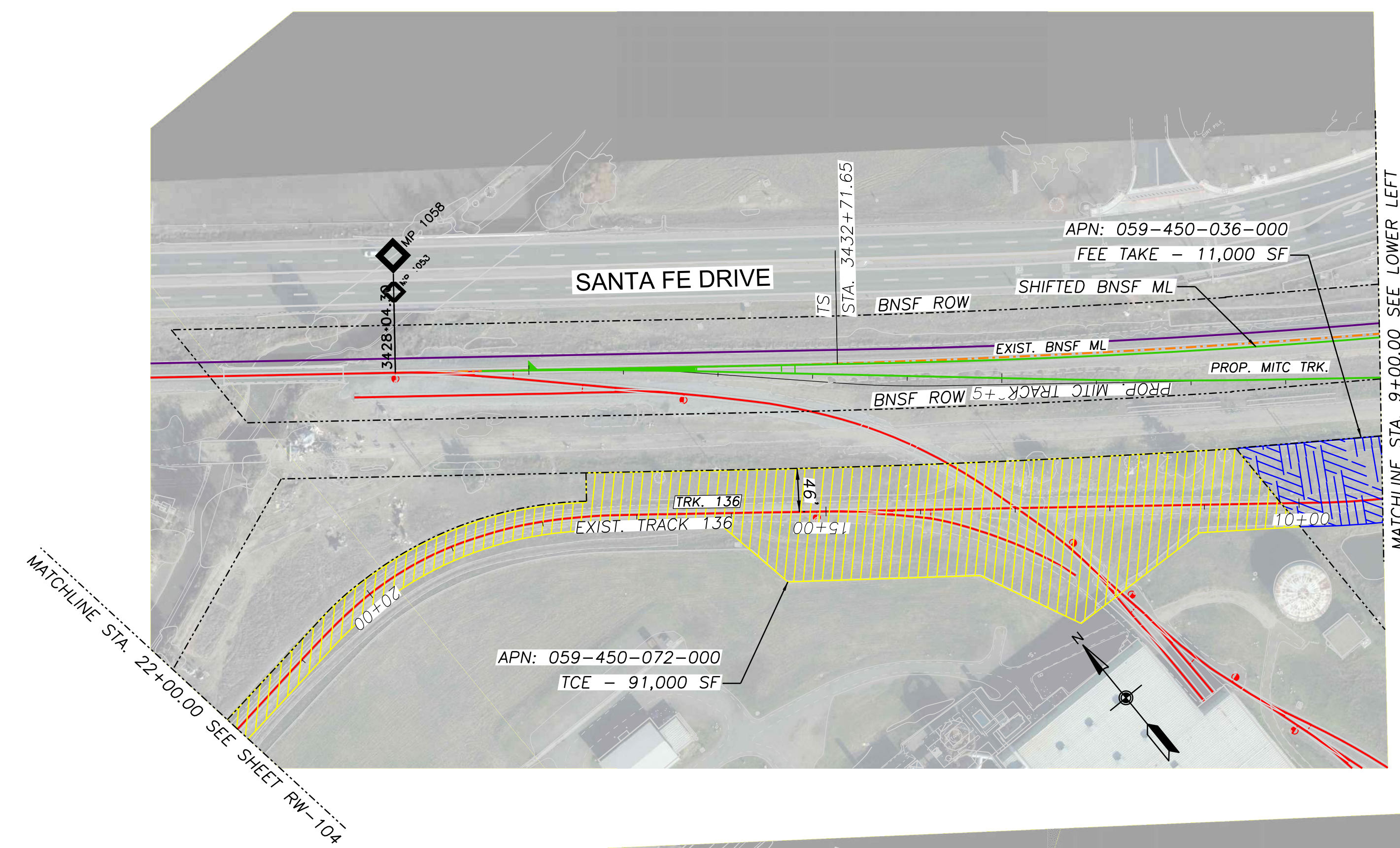


**DESIGN NOTES**

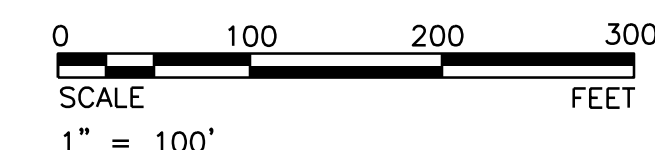
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2. BNSF MAINLINE STATION AND MILE POST ARE BASED ON BNSF VAL MAP 143615.
3. UTILITY LOCATES AND POTHOLING HAVE NOT BEEN PERFORMED.

**LEGEND**


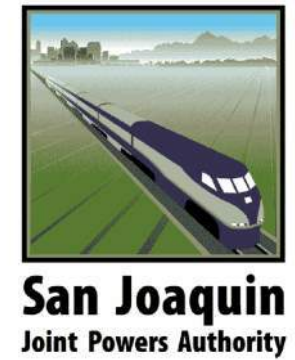
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-  PROPOSED RAIL AND TURNOUTS
-  ROW LINE
-  FUTURE TRACK ALREADY ENVIRONMENTALLY CLEARED
-  AERIAL EASEMENT
-  FEE TAKE
-  TEMPORARY CONSTRUCTION EASEMENT



KEY MAP  
NOT TO SCALE



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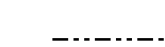

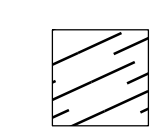
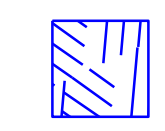
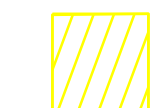
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MARK	DATE	DESCRIPTION												
01	01/12/2024	15% SUBMITTAL												
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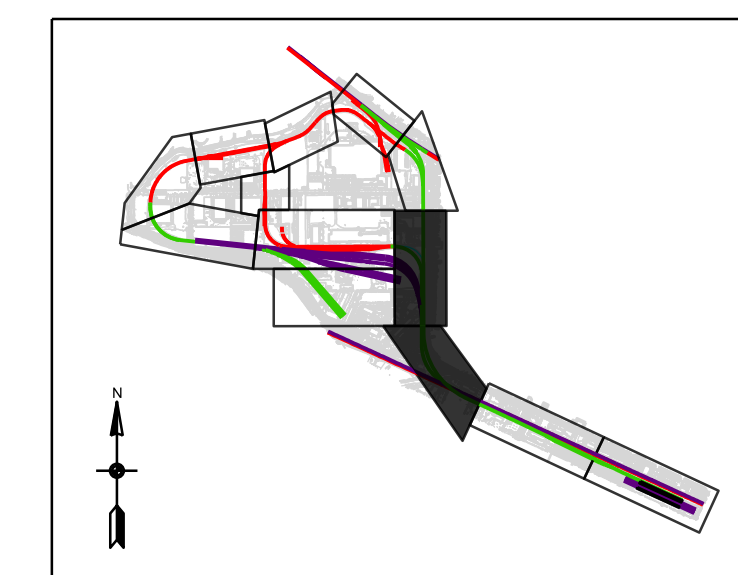
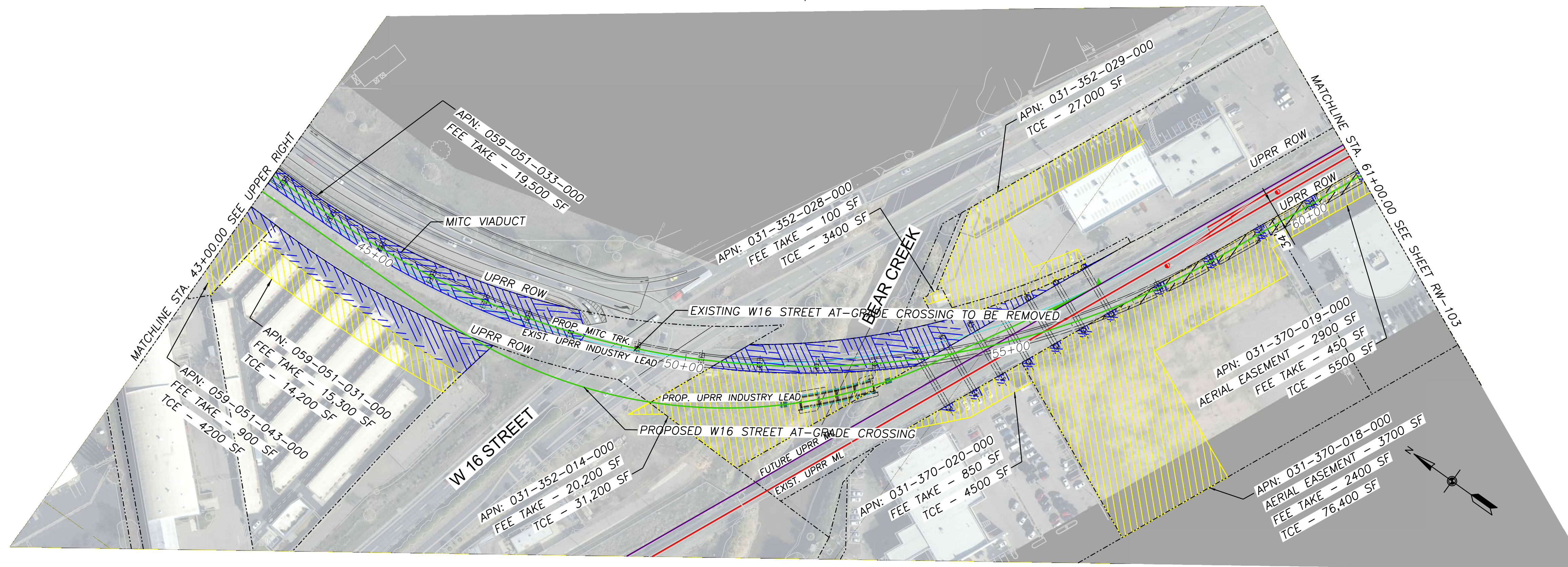
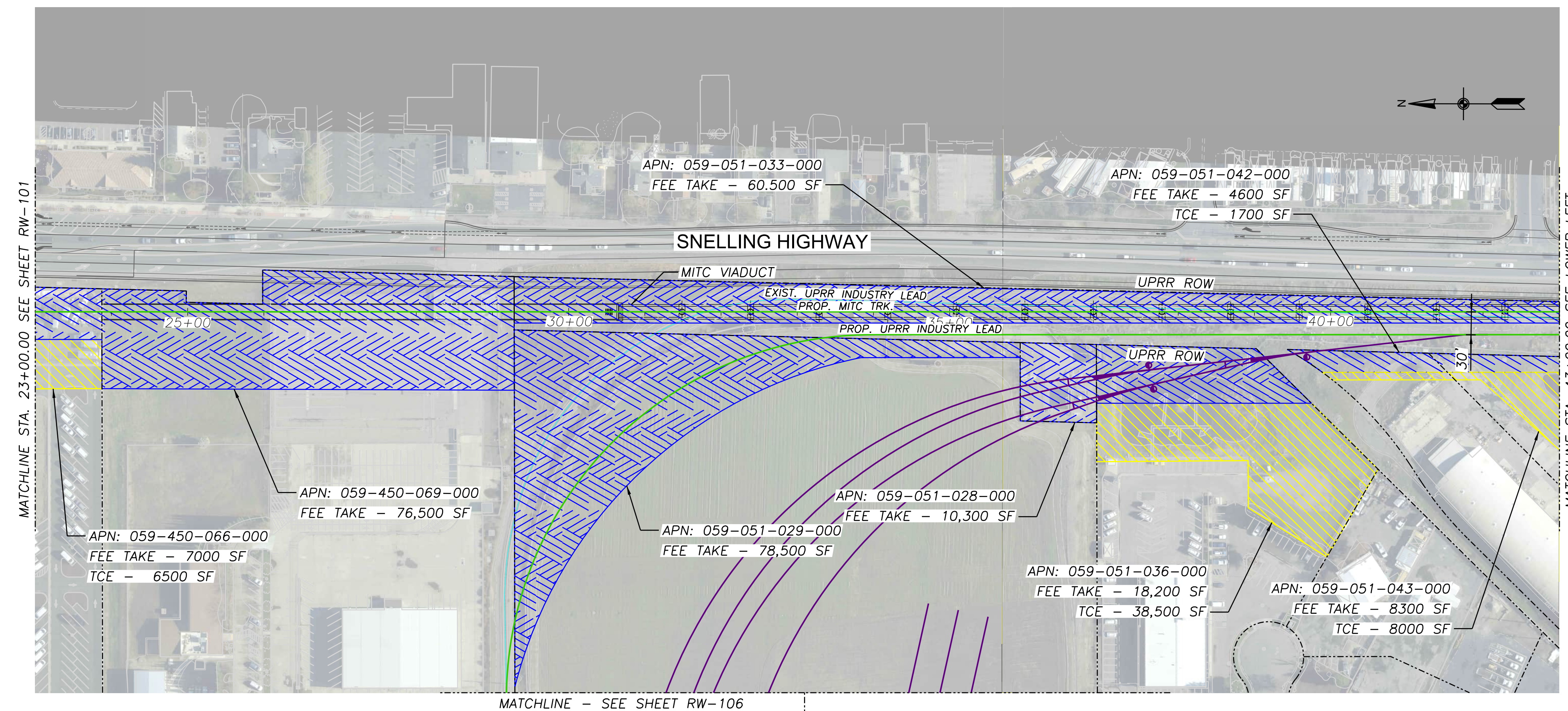
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**DESIGN NOTES**

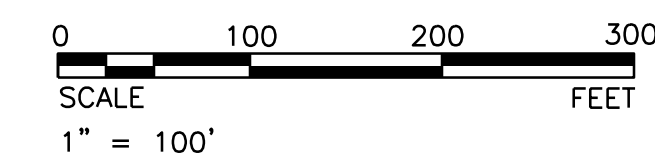
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2. BNSF MAINLINE STATION AND MILE POST ARE BASED ON BNSF VAL MAP 143615.
3. UTILITY LOCATES AND POTHOLES HAVE NOT BEEN PERFORMED.

**LEGEND**



-  EXISTING TRACK AND TURNOUTS
-  PROPOSED RAIL AND TURNOUTS
-  ROW LINE
-  FUTURE TRACK ALREADY ENVIRONMENTALLY CLEARED
-  AERIAL EASEMENT
-  FEE TAKE
-  TEMPORARY CONSTRUCTION EASEMENT



KEY MAP  
NOT TO SCALE



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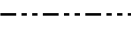

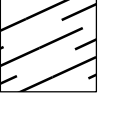


		 2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5800 www.aecom.com	DRAFT NOT FOR CONSTRUCTION  6/12/2024	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>																															 SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION MERCED, CA	SHEET TITLE: <p style="text-align: center;"><b>MITC TRACK RIGHT-OF-WAY PLAN</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">                     PROJ NO: 22311                      SCALE: AS NOTED                      DATE: 6/12/2024                      DESIGNED BY: DH/GC                 </td> <td style="width: 50%;">                     SHEET NO.  <p style="text-align: center;"><b>RW-102</b></p>                     SHEET OF                 </td> </tr> </table>	PROJ NO: 22311 SCALE: AS NOTED DATE: 6/12/2024 DESIGNED BY: DH/GC	SHEET NO. <p style="text-align: center;"><b>RW-102</b></p> SHEET OF
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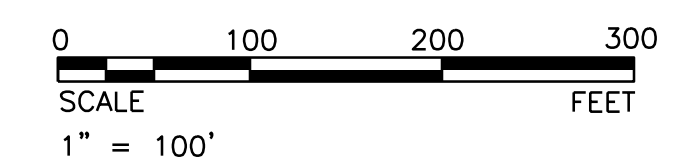
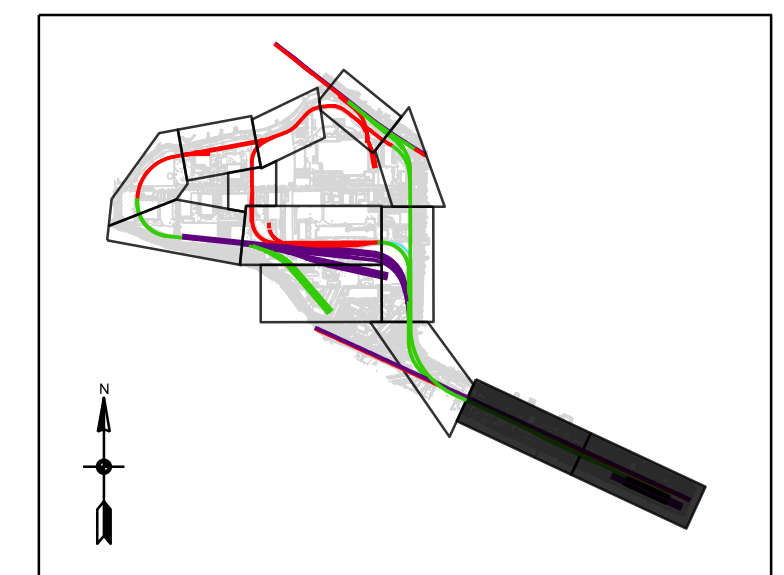
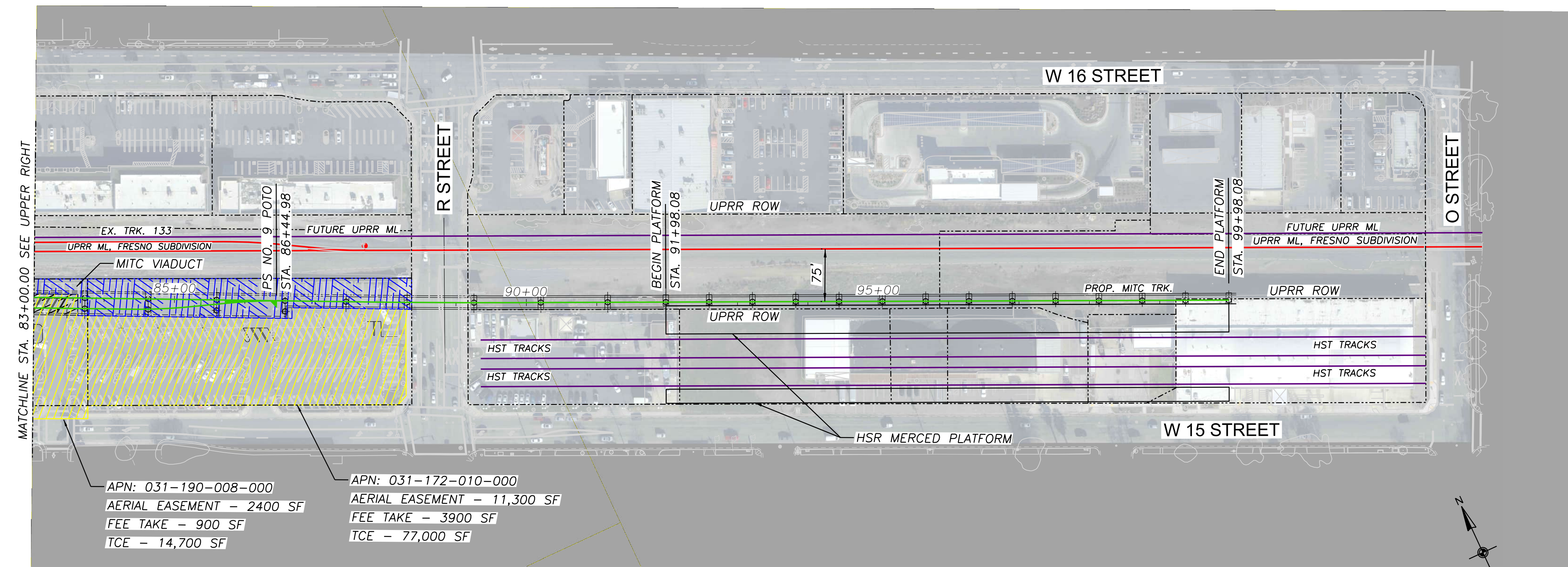
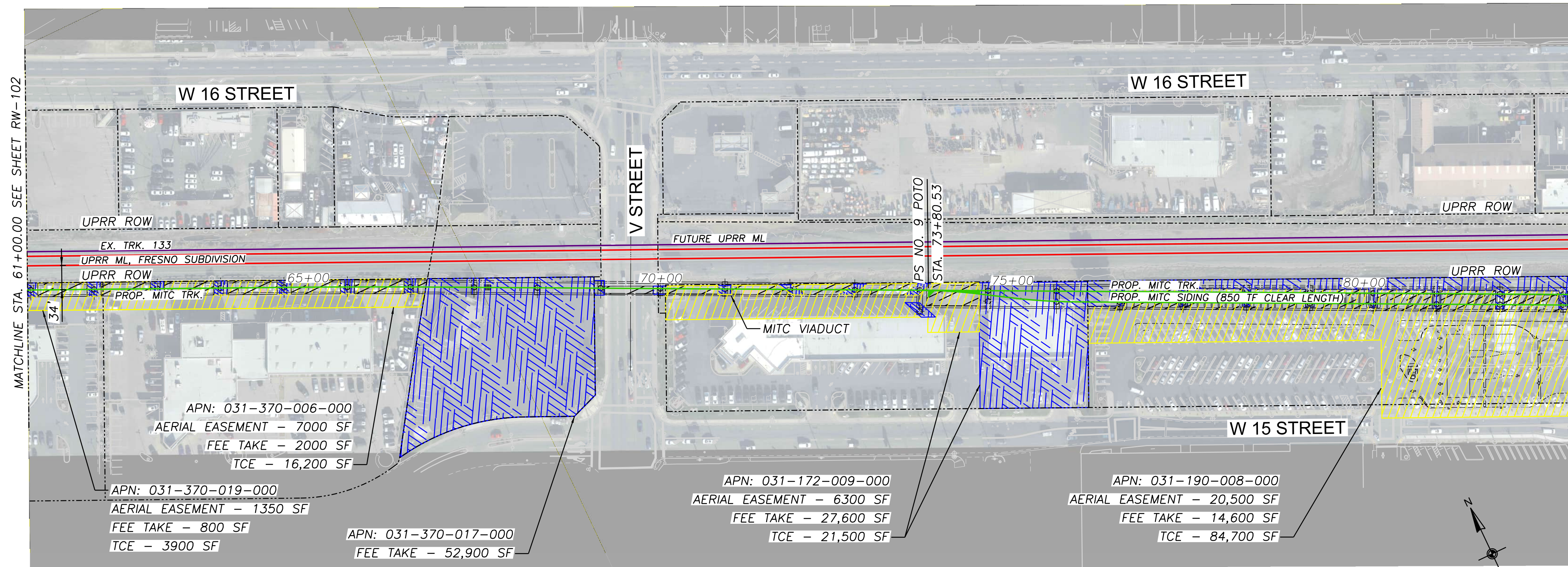
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**DESIGN NOTES**

- 1. PROPOSED AND EXISTING TRACK ALIGNMENTS ARE BASED ON AERIAL SURVEY. TOP OF RAIL SURVEY HAS NOT BEEN PERFORMED.
- 2. BNSF MAINLINE STATION AND MILE POST ARE BASED ON BNSF VAL MAP 143615.
- 3. UTILITY LOCATES AND POTHOLING HAVE NOT BEEN PERFORMED.

**LEGEND**

-  EXISTING TRACK AND TURNOUTS
-  PROPOSED RAIL AND TURNOUTS
-  ROW LINE
-  FUTURE TRACK ALREADY ENVIRONMENTALLY CLEARED
-  AERIAL EASEMENT
-  FEE TAKE
-  TEMPORARY CONSTRUCTION EASEMENT



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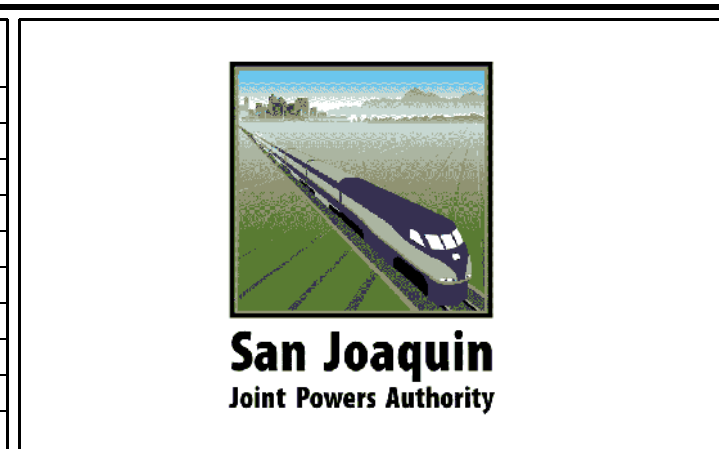
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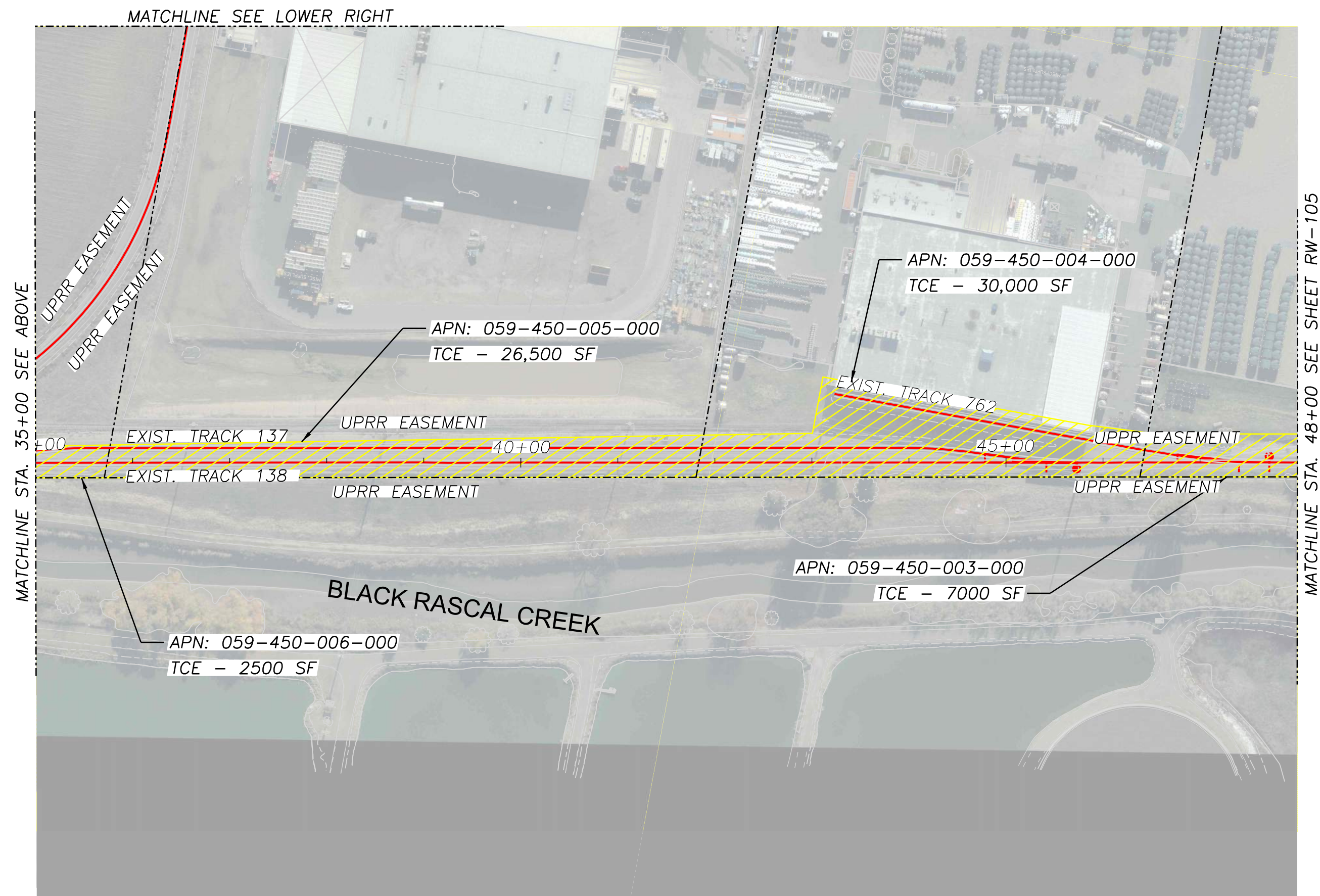
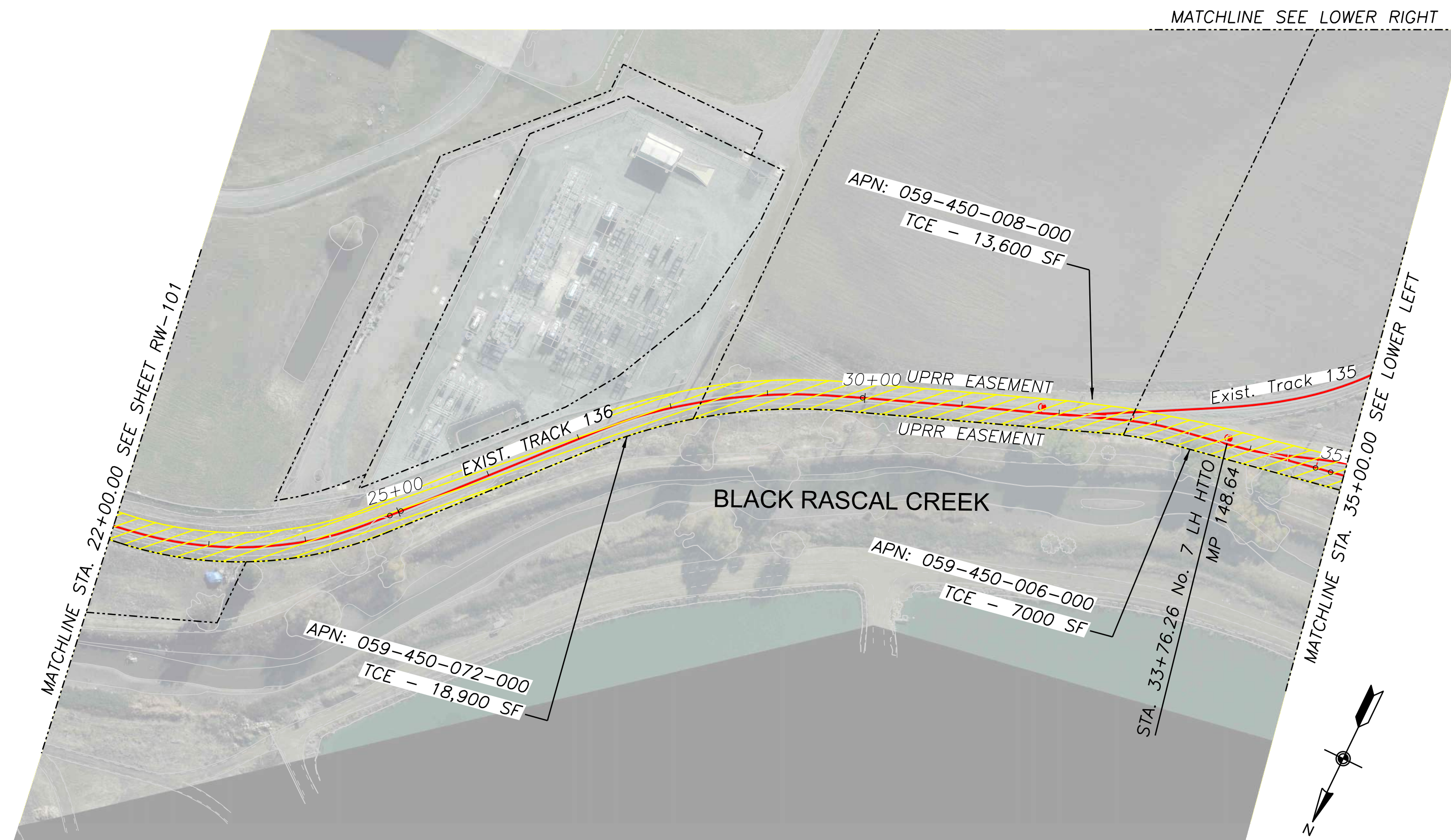
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REVISIONS:	
MARK	DATE
	01/12/2024
	15% SUBMITTAL
	DESCRIPTION



SAN JOAQUIN JOINT POWERS AUTHORITY  
MERCED INTERMODAL  
TRACK CONNECTION  
MERCED, CA

SHEET TITLE:	
MITC TRACK RIGHT-OF-WAY PLAN	
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SCALE: AS NOTED	RW-103
DATE: 6/12/2024	SHEET
DESIGNED BY: DH/GC	OF

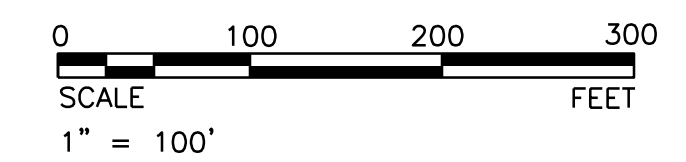
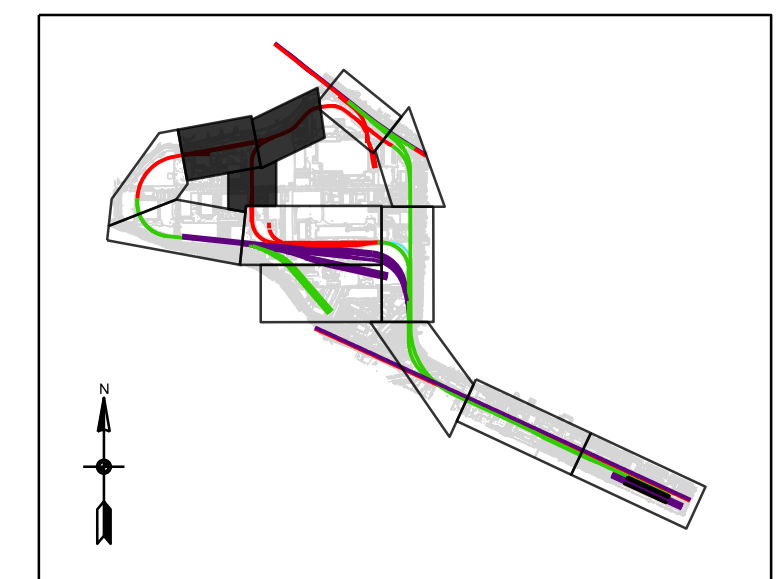


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**LEGEND**

- EXISTING TRACK AND TURNOUTS
- PROPOSED RAIL AND TURNOUTS
- - - - - ROW LINE
- FUTURE TRACK ALREADY ENVIRONMENTALLY CLEARED
- AERIAL EASEMENT
- FEE TAKE
- TEMPORARY CONSTRUCTION EASEMENT



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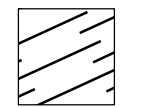

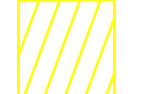
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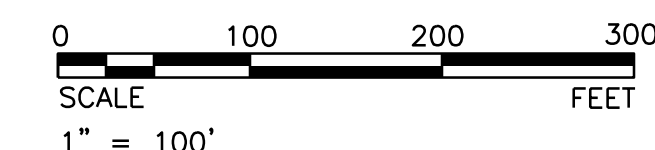
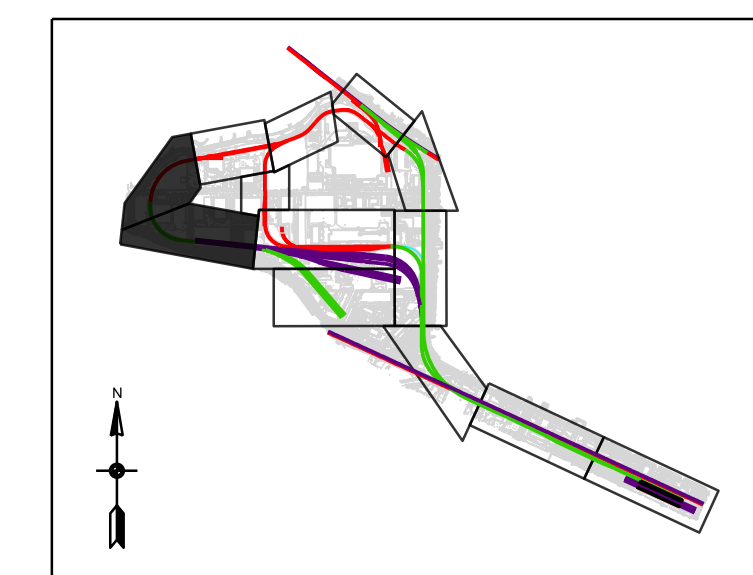
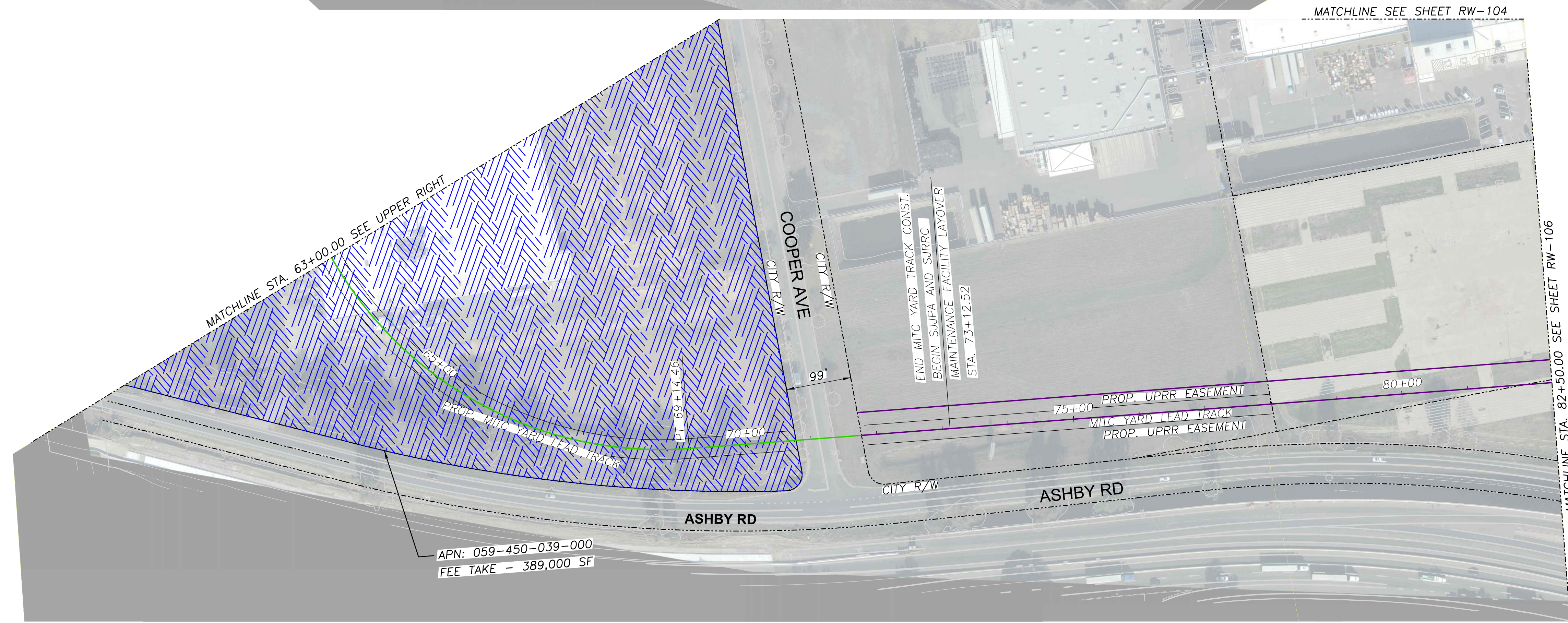
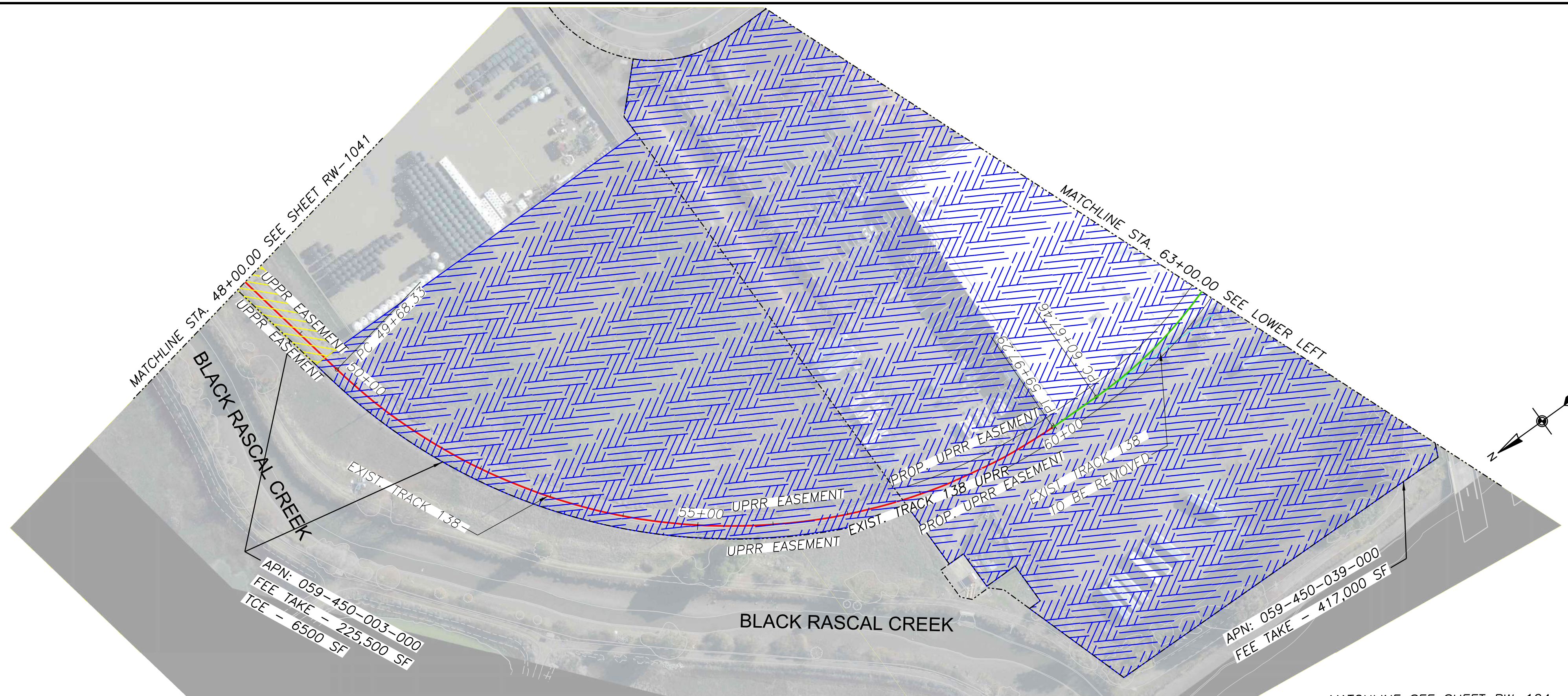
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**DESIGN NOTES**


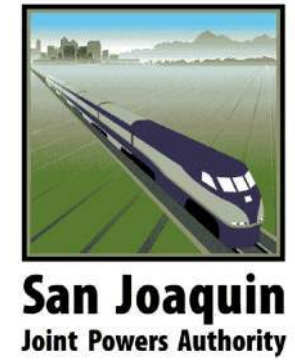
1. PROPOSED AND EXISTING TRACK ALIGNMENTS ARE BASED ON AERIAL SURVEY. TOP OF RAIL SURVEY HAS NOT BEEN PERFORMED.
2. BNSF MAINLINE STATION AND MILE POST ARE BASED ON BNSF VAL MAP 143615.
3. UTILITY LOCATES AND POTHOLING HAVE NOT BEEN PERFORMED.

**LEGEND**

-  EXISTING TRACK AND TURNOUTS
-  PROPOSED RAIL AND TURNOUTS
-  ROW LINE
-  FUTURE TRACK ALREADY ENVIRONMENTALLY CLEARED
-  AERIAL EASEMENT
-  FEE TAKE
-  TEMPORARY CONSTRUCTION EASEMENT



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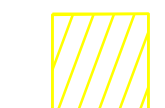
		 2020 L Street, Suite 300 Sacramento, CA 95811 T 916-414-5300 www.aecom.com		DRAFT NOT FOR CONSTRUCTION  3/14/2024	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION																												 SAN JOAQUIN JOINT POWERS AUTHORITY MERCED INTERMODAL TRACK CONNECTION MERCED, CA	SHEET TITLE:  MITC TRACK RIGHT-OF-WAY PLAN
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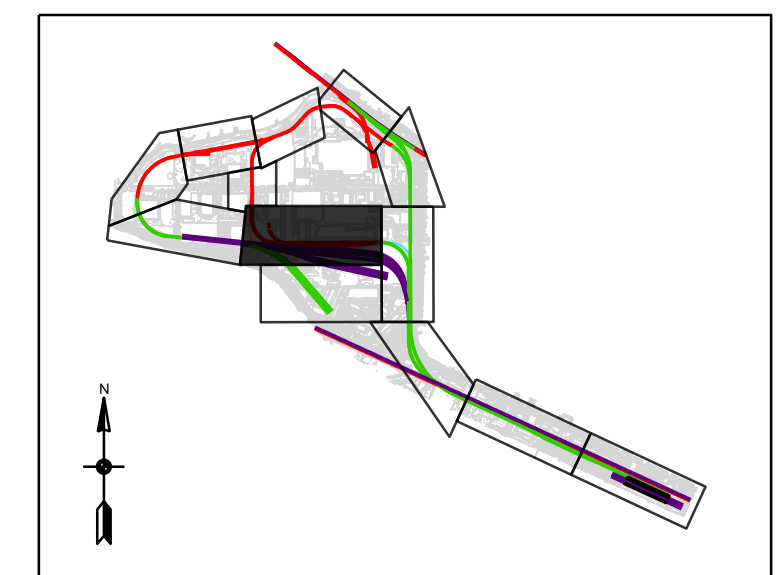
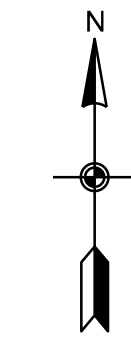
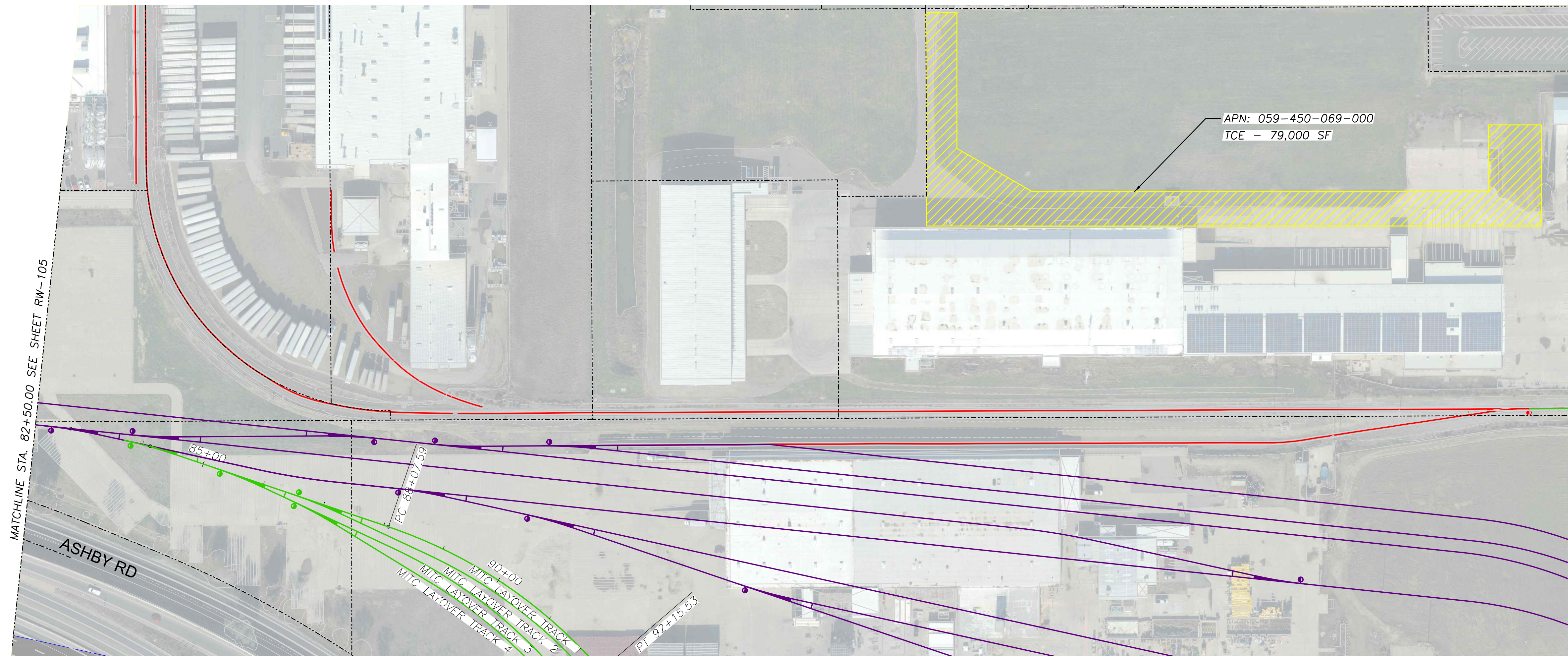
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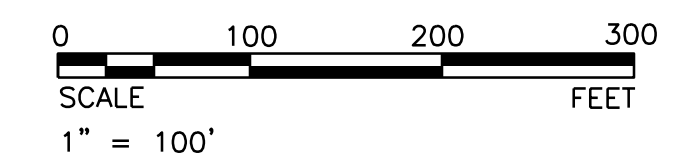
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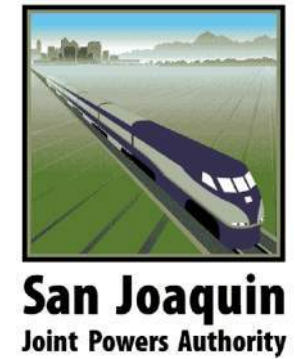
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KEY MAP  
NOT TO SCALE



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