

# DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

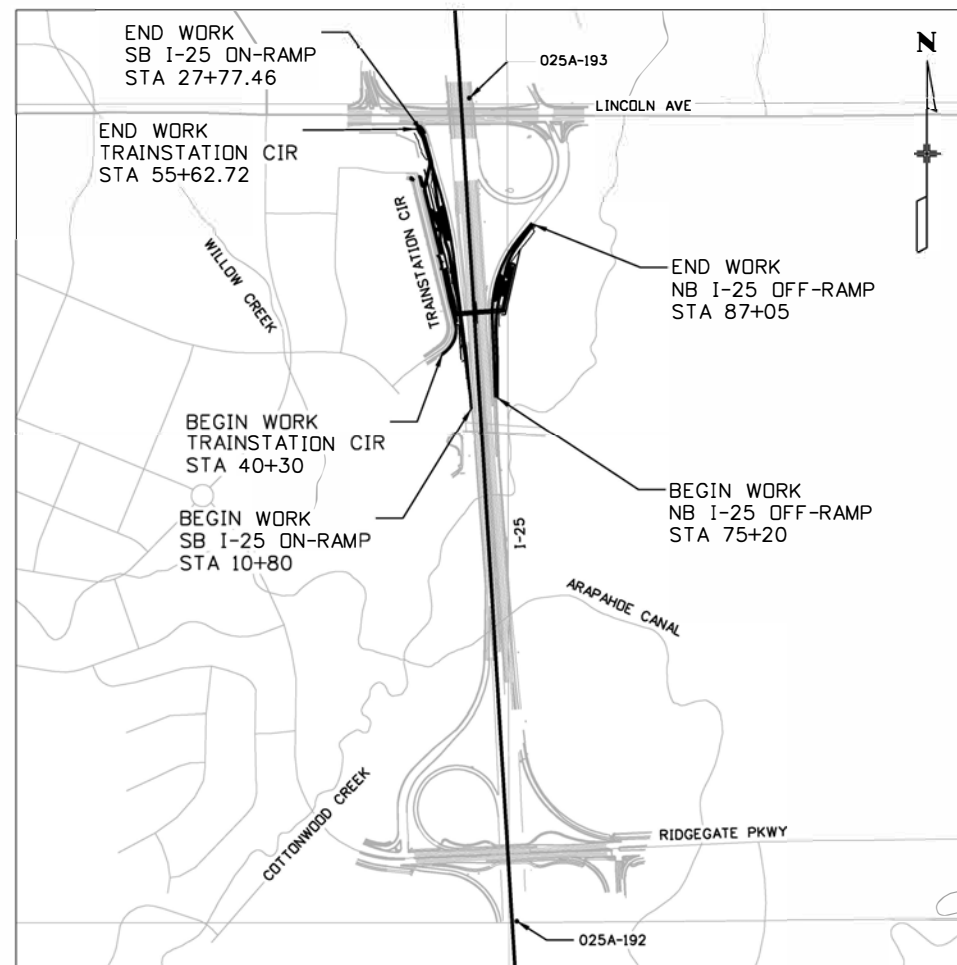
## HIGHWAY CONSTRUCTION BID PLANS OF PROPOSED FEDERAL AID PROJECT NO. 267 0252-499 I-25 MOBILITY HUB (LONE TREE) DOUGLAS COUNTY CONSTRUCTION PROJECT CODE NO. 24278

1. THE PROPERTY DESCRIBED HEREIN IS SUBJECT TO ALL APPLICABLE REQUIREMENTS OF THE LONE TREE ZONING CODE AND DESIGN STANDARDS, INCLUDING BUT NOT LIMITED TO, PROPERTY MAINTENANCE, LIGHTING, PARKING, SIGNAGE, LANDSCAPING AND OUTDOOR STORAGE, EXCEPT AS MAY OTHERWISE BE ADDRESSED IN AN APPROVED PLANNED DEVELOPMENT PLAN, SUBAREA PLAN, OR OTHER APPLICABLE PLAN OR AGREEMENT APPROVED BY THE CITY.
2. THE APPLICANT ASSUMES RESPONSIBILITY TO ENSURE THE PROJECT IS COMPLETED IN ACCORDANCE WITH THE APPROVED SIP AND ANY ASSOCIATED MATERIALS SAMPLE BOARDS AND FURTHER ASSUMES THE RISK ASSOCIATED WITH ANY CHANGES OR OMISSIONS MADE WITHOUT PRIOR CITY APPROVAL. MODIFICATIONS TO STRUCTURES OR SITES MAY REQUIRE AN AMENDMENT TO THE SIP AS DETERMINED BY THE CITY'S COMMUNITY DEVELOPMENT DIRECTOR, PER SEC. 16-27-180. UNAUTHORIZED CHANGES OR OMISSIONS MADE WITHOUT PRIOR CITY APPROVAL CORRECTIVE ACTIONS, DELAY OF PERMITS OR CITATIONS FOR ZONING VIOLATIONS WITH ASSOCIATED FINES AND LEGAL MEASURES. BUILDING PLANS SHALL CONFORM TO THE APPROVED SIP.
3. WITHIN SITE TRIANGLES, AS SHOWN, LIMITED LANDSCAPING SHALL BE ALLOWED WITH NO SOLID STRUCTURES PERMITTED AS STATED IN THE CITY OF LONE TREE'S LANDSCAPE DESIGN GUIDELINES AND STANDARDS FOR LANDSCAPING. LANDSCAPING WITHIN THE SIGHT TRIANGLE SHALL BE MAINTAINED BY THE PROPERTY OWNER OR APPROPRIATE ASSOCIATION OR DISTRICT, AS MAY BE IDENTIFIED IN MAINTENANCE AGREEMENTS RECORDED WITH THE DOUGLAS COUNTY CLERK AND RECORDER'S OFFICE.
4. THE OWNER IS RESPONSIBLE FOR THE INSTALLATION OF ALL ROADWAY SIGNAGE, INCLUDING "NO PARKING/FIRE LANE" SIGNAGE, AS REQUIRED BY THE CITY PUBLIC WORKS DEPARTMENT AND/OR THE FIRE DISTRICT. SUCH SIGNAGE SHALL BE MAINTAINED BY THE PROPERTY OWNER OR APPROPRIATE ASSOCIATION OR DISTRICT, AS MAY BE IDENTIFIED IN MAINTENANCE AGREEMENTS RECORDED WITH THE DOUGLAS COUNTY CLERK AND RECORDER'S OFFICE.
5. SITE LANDSCAPING, SITE AMENITIES AND FURNISHINGS, AND ALL SITE IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO, SIDEWALKS AND PARKING AREAS SHALL BE MAINTAINED IN A STATE OF GOOD REPAIR CONSISTENT WITH THE APPROVED SIP AND THE LONE TREE MUNICIPAL CODE AND DESIGN GUIDELINES AND STANDARDS. SUCH MAINTENANCE SHALL INCLUDE THE REGULAR MAINTENANCE OF PET WASTE STATIONS (WHEN PRESENT), TO INCLUDE WASTE COLLECTION AND WASTE BAG REPLACEMENT. LANDSCAPE PLANTINGS MUST BE ALIVE AND ALL IRRIGATION MUST BE FUNCTIONAL. ALL MAINTENANCE OBLIGATIONS SHALL BE COMPLETED BY THE PROPERTY OWNER OR APPROPRIATE ASSOCIATION OR DISTRICT, AS MAY BE IDENTIFIED IN MAINTENANCE AGREEMENTS RECORDED WITH THE DOUGLAS COUNTY CLERK AND RECORDER'S OFFICE.
6. THE CITY OF LONE TREE REQUIRES THAT MAINTENANCE ACCESS BE PROVIDED TO ALL STORM DRAINAGE FACILITIES TO ASSURE CONTINUOUS OPERATIONAL CAPABILITY OF THE SYSTEM. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL DRAINAGE FACILITIES, INCLUDING INLETS, PIPES, CULVERTS, CHANNELS, DITCHES, HYDRAULIC STRUCTURES AND DETENTION BASINS LOCATED ON THEIR LAND UNLESS MODIFIED BY THE SITE IMPROVEMENT PLAN IMPROVEMENTS AGREEMENT. SHOULD THE OWNER FAIL TO ADEQUATELY MAINTAIN SAID FACILITIES, THE CITY OF LONE TREE SHALL HAVE THE RIGHT TO ENTER SAID LAND FOR THE PURPOSES OF OPERATIONS AND MAINTENANCE. ALL SUCH MAINTENANCE COSTS WILL BE ASSESSED TO THE PROPERTY OWNER OR THE RESPONSIBLE MAINTENANCE AUTHORITY.
7. ALL PLANTS INSTALLED SHALL FOLLOW THE PLANT SCHEDULE, INSTALLATION INSTRUCTIONS AND THE LANDSCAPE DRAWINGS ON THE APPROVED LANDSCAPE PLAN INCLUDED IN THIS SITE IMPROVEMENT PLAN. ANY CHANGES TO THE APPROVED LANDSCAPE PLAN, TO INCLUDE PLANT SUBSTITUTIONS, MUST BE APPROVED BY THE CITY IN ADVANCE OF INSTALLATION.
8. ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY, NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP FOR THE CITY OF LONE TREE, DOUGLAS COUNTY, COLORADO COMMUNITY PANEL 08035C0061H, DATED 02/17/2017, THE SUBJECT PROPERTY LIES WITHIN ZONE AE, "AREAS DETERMINED TO BE INSIDE/OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD."
9. UTILITY PLANS WILL BE SHOWN ONLY IN FULL CONSTRUCTION DOCUMENT PLAN SETS ASSOCIATED WITH THIS SITE IMPROVEMENT PLAN PROJECT.

SHEET NO.	TITLE
1	TITLE SHEET
2-8	SITE PLAN
9-15	GRADING PLAN
16	LANDSCAPE/IRRIGATION PLAN
17-19	LANDSCAPE/IRRIGATION NOTES
20-26	LIGHTING AND ELECTRICAL PLAN
27-31	ELEVATION PLAN
32-34	CONCEPTUAL RENDERINGS
35-39	SITE DETAILS



**CONCEPTUAL RENDERING**



PROJECT LOCATION MAP

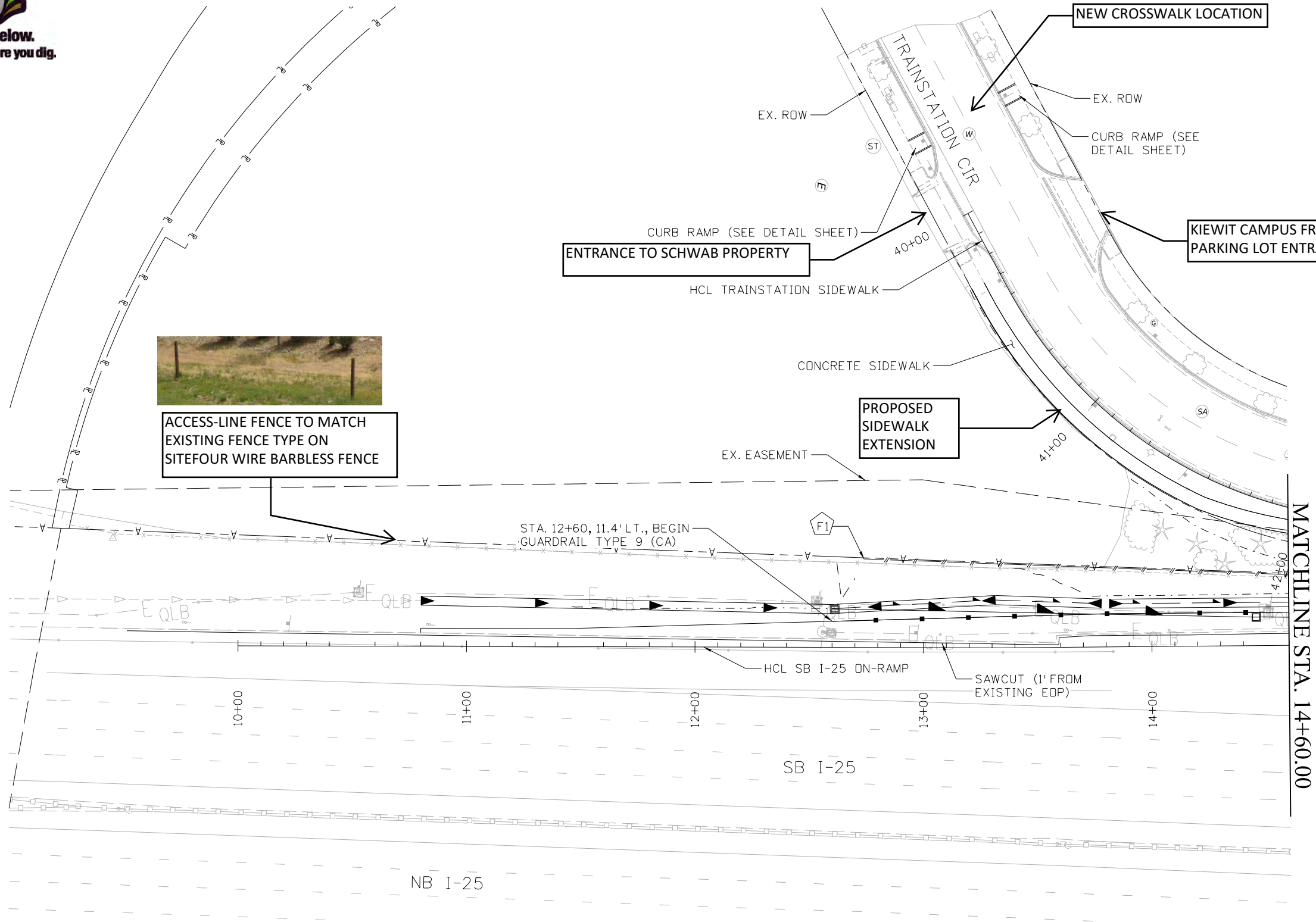


All seals for this set of drawings are applied to the cover page(s)	Print Date: 5/9/2024		Sheet Revisions			Colorado Department of Transportation 18500 E. Colfax Ave. Aurora, CO 80011 Phone: (303) 746-8639 Fax: N/A Region 1-South Program	As Constructed	Cover Page		Project No./Code 267 0252-499 24278
	File Name: 24278-RSH-HW-025A-RD-DR-TITL.dgn		Date:	Comments	Init.		No Revisions:	Contractor:	XXXX X.XXXX	
	Horiz. Scale: 1=1    Vert. Scale: As Noted						Revised:	Resident Engineer:	Nyssa J. Beach	
	Unit Information    JT						Void:	Project Engineer:	Giovanna Toppi	
						PROJECT STARTED:    /    /    ACCEPTED:    /    /				
						Comments:				

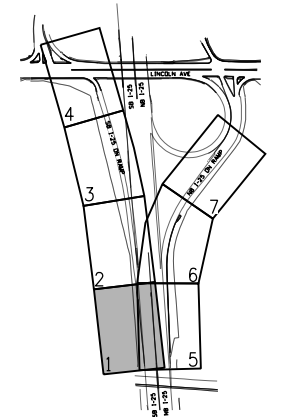


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ChouE 9:39:35 AM pw:\cdot\pw.bentley.com\cdot-pw-Dip\Documents\02 Minor Projects\CDOT Collaboration Projects\24278 - i-25 -mobility hub (lone tree)\01 Pre-Construction\Drawings\Roadway\24278-RSH-HW-025A-RD-DR-PLAN



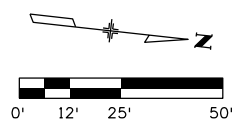
ACCESS-LINE FENCE TO MATCH EXISTING FENCE TYPE ON SITE FOUR WIRE BARBLESS FENCE



KEY MAP

LEGEND:

- - - - - TOE OF FILL
- - - - - TOP OF CUT
- - - - - DITCH
- - - - - EXISTING PROPERTY LINE
- - - - - EXISTING ACCESS CONTROL
- - - - - FOUR WIRE BARBLESS FENCE
- - - - - STEEL PICKET FENCE
- - - - - CHAIN LINK FENCE



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Horiz. Scale: 1"=50' Vert. Scale: As Noted
Unit Information JT

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

18500 E. Colfax Ave.  
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Fax: N/A

Region 1-South Program NB

As Constructed
No Revisions:
Revised:
Void:

I-25 MOBILITY HUB (LONE TREE) SITE PLAN			
BEGIN TO STA 14+60			
Designer:	PB	Structure	X-XX-XX
Detailer:	EC	Numbers	X-XX-XX
Sheet Subset:	SITE PLAN	Subset Sheets:	1 of 009

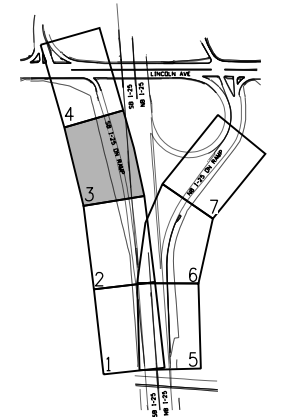
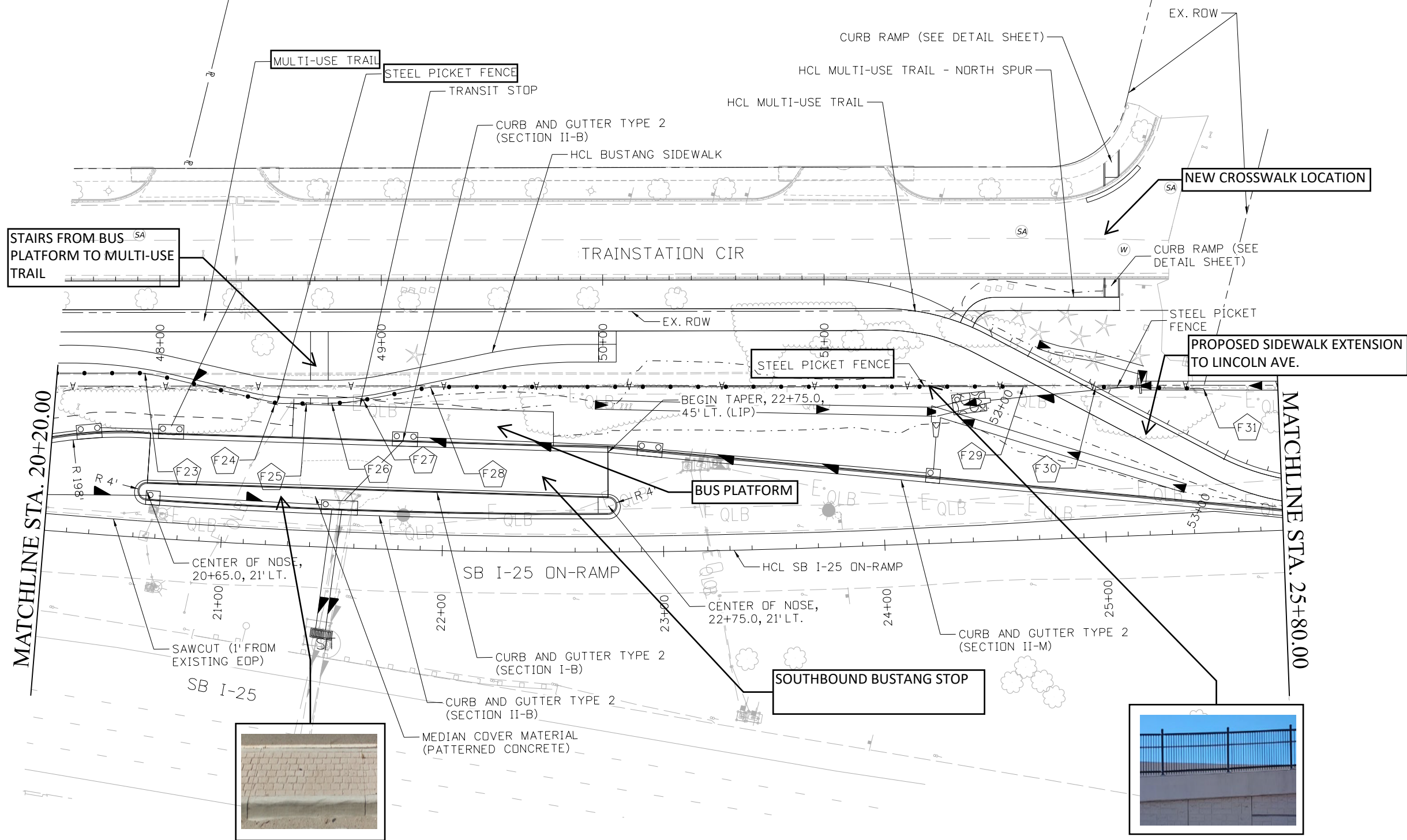
Project No./Code	
267 0252-499	
24278	

24278 - I-25 MOBILITY HUB (SKY RIDGE @ LONE TREE) - FOR - 06/11/2024





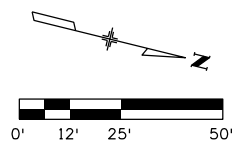
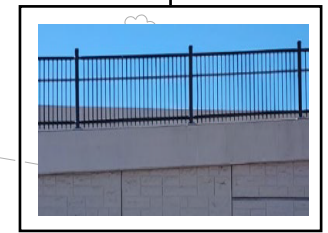
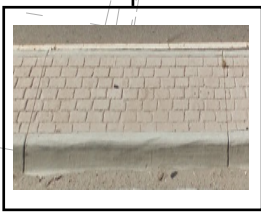
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KEY MAP

LEGEND:

- - - - - TOE OF FILL
- - - - - TOP OF CUT
- - - - - DITCH
- - - - - EXISTING PROPERTY LINE
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- - - - - FOUR WIRE BARBLESS FENCE
- - - - - STEEL PICKET FENCE
- - - - - CHAIN LINK FENCE



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Unit Information JT

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Revised:
Void:

I-25 MOBILITY HUB (LONE TREE) SITE PLAN			
STA 20+20 TO STA 25+80			
Designer:	PB	Structure	X-XX-XX
Detailer:	EC	Numbers	X-XX-XX
Sheet Subset:	SITE PLAN	Subset Sheets:	3 of 009

Project No./Code	
267 0252-499	
24278	

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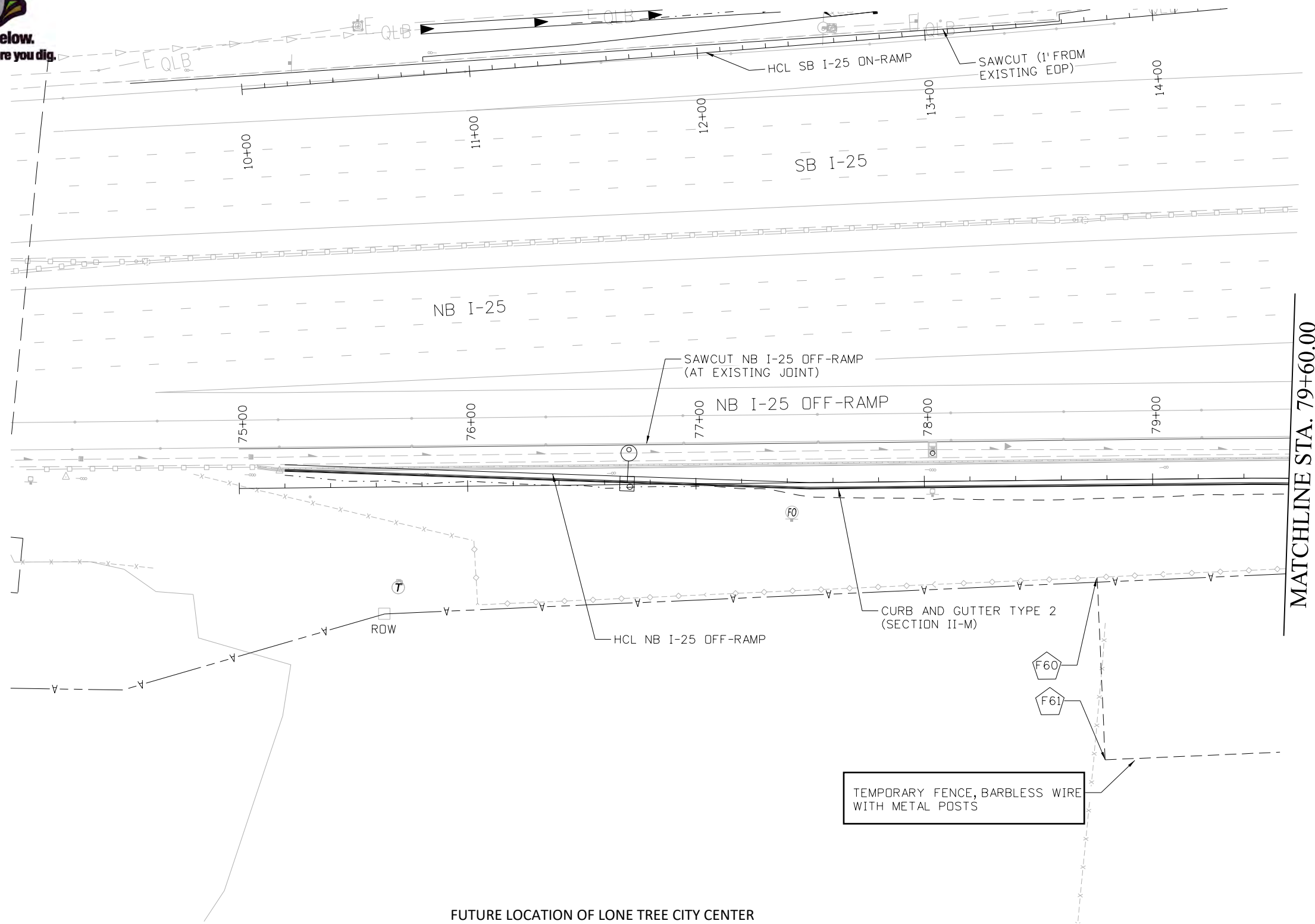
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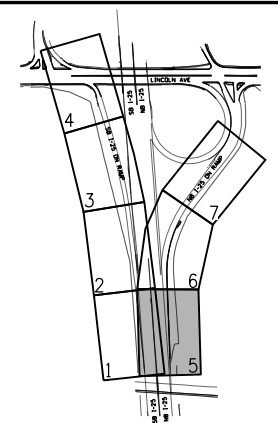
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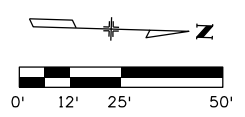
MATCHLINE STA. 79+60.00



KEY MAP

**LEGEND:**

- TOE OF FILL
- - - TOP OF CUT
- - - DITCH
- EXISTING PROPERTY LINE
- A— EXISTING ACCESS CONTROL
- - - - - FOUR WIRE BARBLESS FENCE
- STEEL PICKET FENCE
- ◇◇◇ CHAIN LINK FENCE



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Unit Information    JT

Sheet Revisions		
Date:	Comments	Init.

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No Revisions:
Revised:
Void:

I-25 MOBILITY HUB (LONE TREE)			
SITE PLAN			
STA 75+00 TO STA 79+60			
Designer:	CM	Structure	X-XX-XX
Detailer:	EC	Numbers	X-XX-XX
Sheet Subset:	SITE PLAN	Subset Sheets:	5 of 009

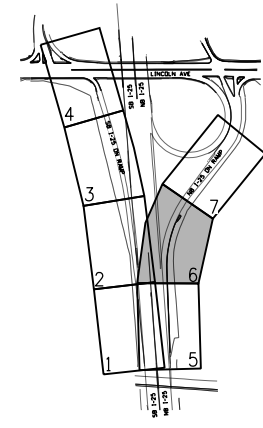
Project No./Code
267 0252-499
24278

24278 - I-25 MOBILITY HUB (SKY RIDGE @ LONE TREE) - FOR - 06/11/2024



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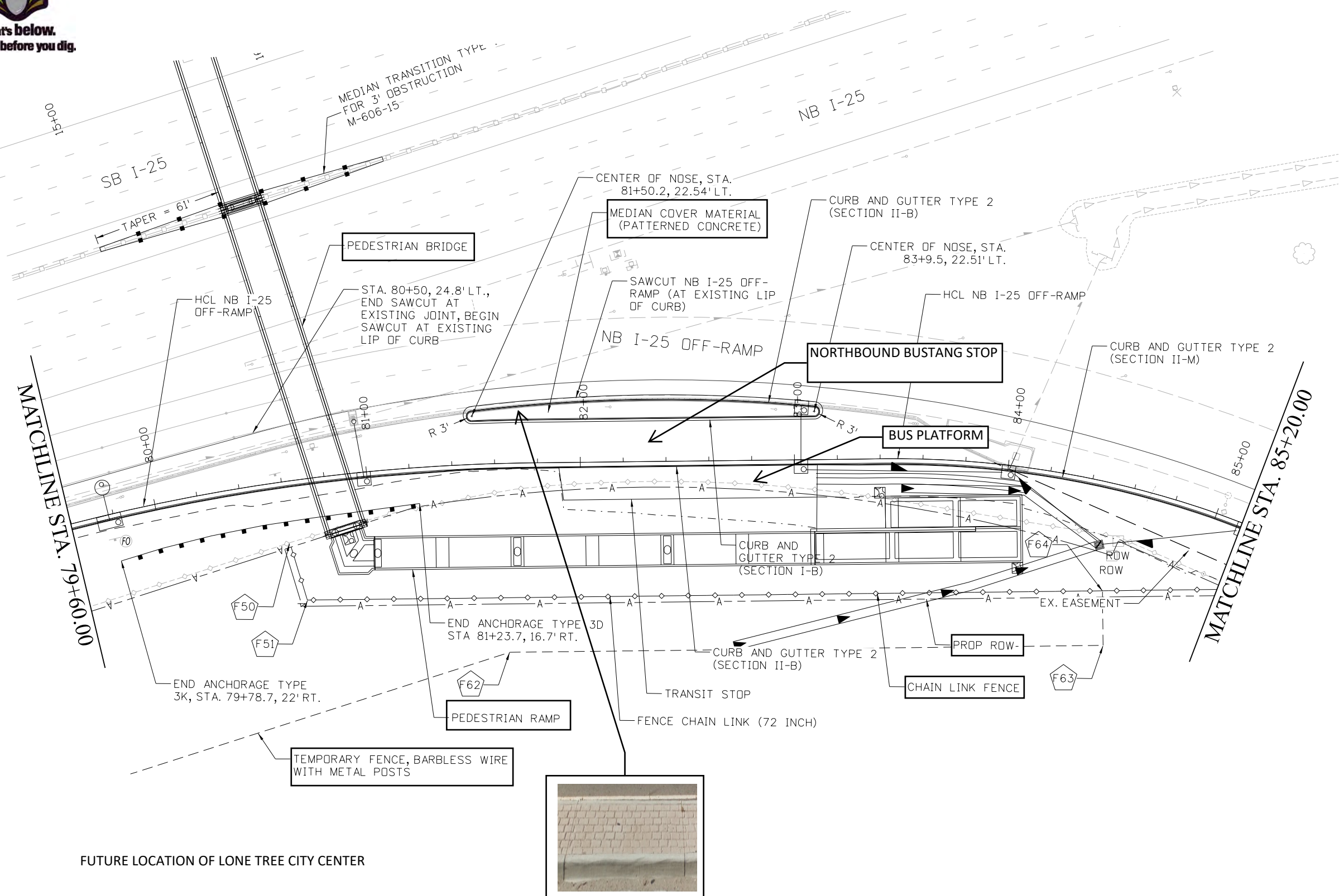
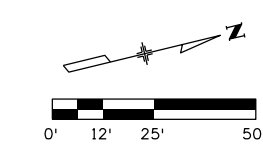
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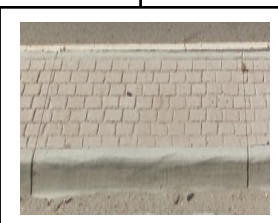
KEY MAP

LEGEND:

- - - - - TOE OF FILL
- - - - - TOP OF CUT
- - - - - DITCH
- - - - - EXISTING PROPERTY LINE
- - - - - EXISTING ACCESS CONTROL
- - - - - FOUR WIRE BARBLESS FENCE
- - - - - STEEL PICKET FENCE
- - - - - CHAIN LINK FENCE



FUTURE LOCATION OF LONE TREE CITY CENTER



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Fax: N/A

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I-25 MOBILITY HUB (LONE TREE) SITE PLAN			
STA 79+60 TO STA 85+20			
Designer:	CM	Structure	X-XX-XX
Detailer:	EC	Numbers	X-XX-XX
Sheet Subset:	SITE PLAN	Subset Sheets:	6 of 009

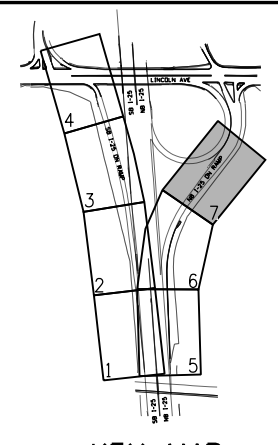
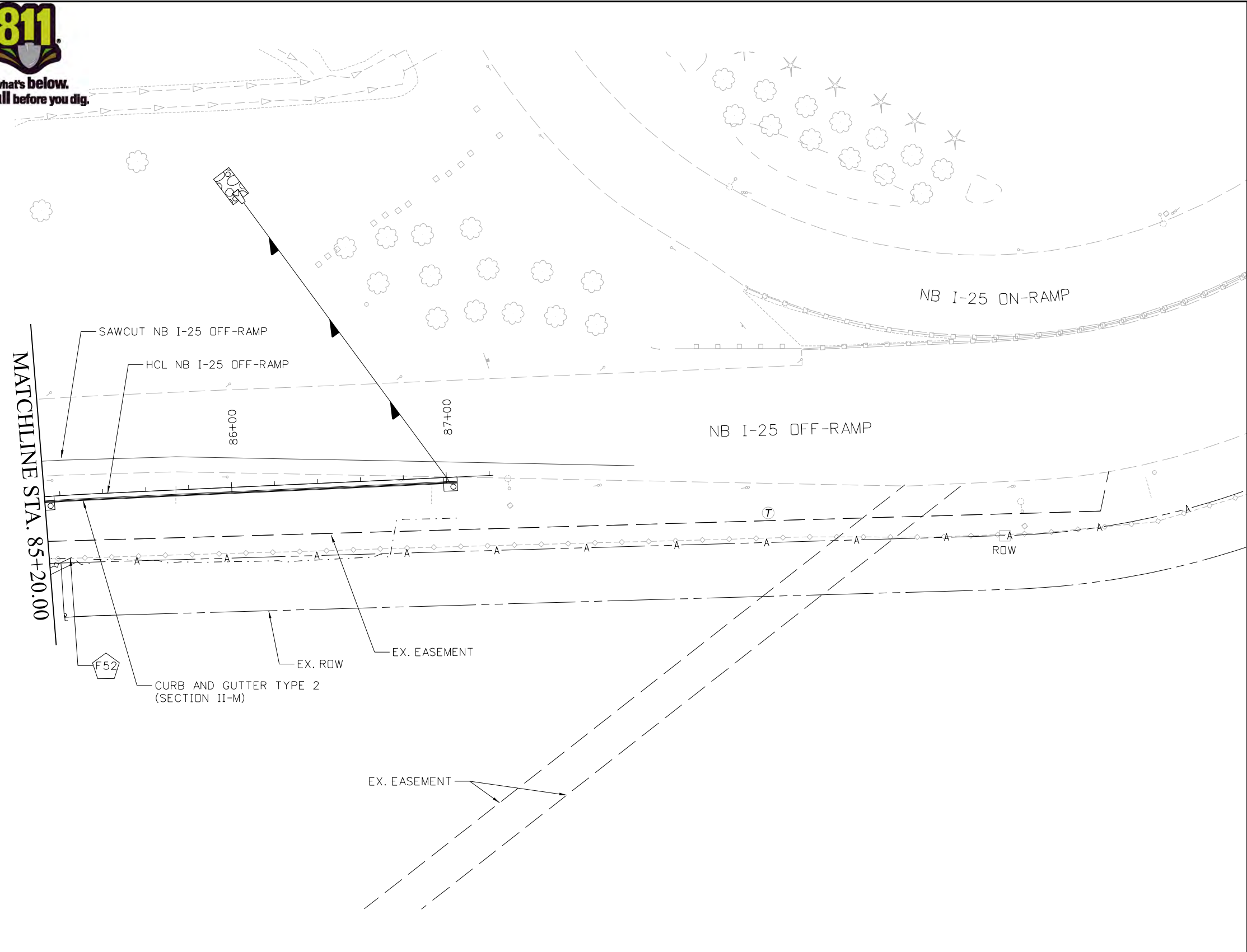
Project No./Code	
267 0252-499	
24278	

24278 - I-25 MOBILITY HUB (SKY RIDGE @ LONE TREE) - FOR - 06/11/2024

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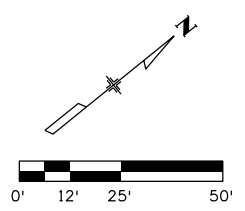
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KEY MAP

**LEGEND:**

- - - - - TOE OF FILL
- - - - - TOP OF CUT
- - - - - DITCH
- A — EXISTING PROPERTY LINE
- A — EXISTING ACCESS CONTROL
- - - - - FOUR WIRE BARBLESS FENCE
- - ● - ● STEEL PICKET FENCE
- ◇ - ◇ - ◇ CHAIN LINK FENCE



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Unit Information: JT

Sheet Revisions		
Date:	Comments	Init.

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I-25 MOBILITY HUB (LONE TREE) SITE PLAN			
STA 85+20 TO END			
Designer:	CM	Structure Numbers	X-XX-XX
Detailer:	EC	Structure Numbers	X-XX-XX
Sheet Subset:	SITE PLAN	Subset Sheets:	7 of 009

Project No./Code	267 0252-499
	24278

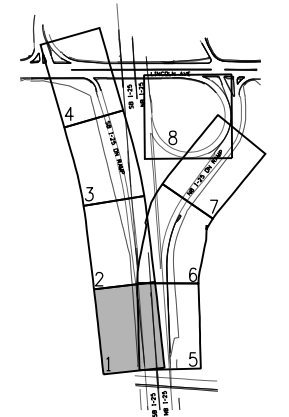
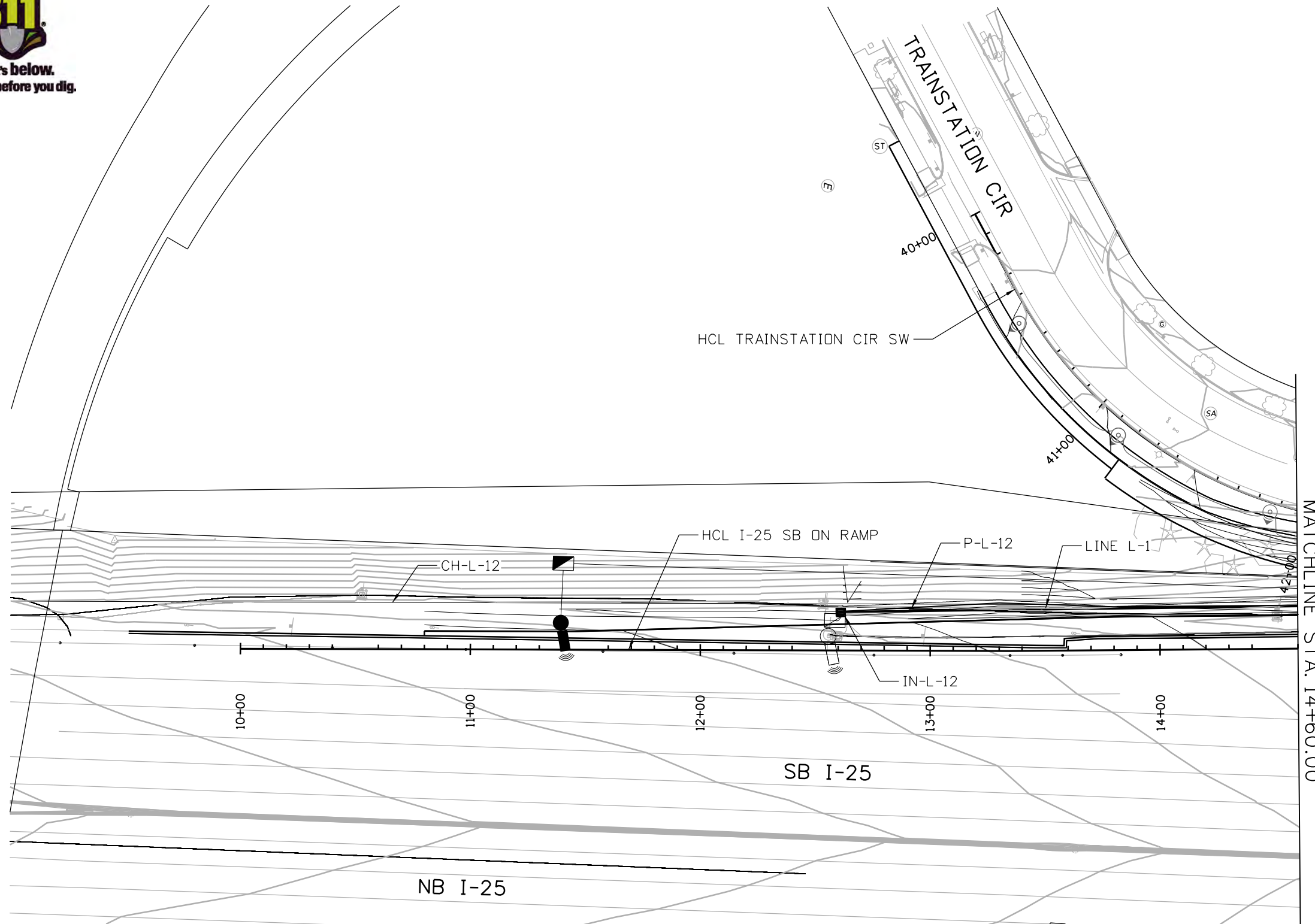
24278 - I-25 MOBILITY HUB (SKY RIDGE @ LONE TREE) - FOR - 06/11/2024



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KEY MAP

**NOTES:**

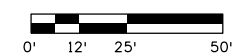
1. ALL EXISTING DRAINAGE SYSTEM TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.

**KEY NOTE:**

- 1 EXISTING PIPE CONDITION SHALL BE VERIFIED. IF CONDITION IS NOT IN ACCEPTABLE CONDITION, PIPE SHALL BE REPLACED WITH REINFORCED CONCRETE PIPE OF EQUIVALENT SIZE.
- 2 CONNECT TO EXISTING PIPE
- 3 CONNECT TO EXISTING STRUCTURE

**LEGEND:**

- TOE OF FILL
- TOP OF CUT
- ROADSIDE DITCH
- RIPRAP

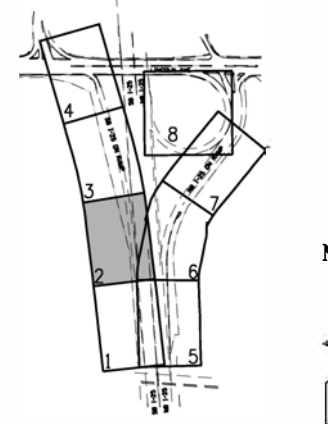


PROFILE SHEET	LINE	ID	STATION/OFFSET	HCL	ITEM	LENGTH	PAY DEPTH	MISC NOTES
	L-1	IN-L-12 P-L-12	STA 12+61.06, 18.23'LT.	SB I-25 ON RAMP	INLET TYPE C 18" RCP	261'	5'	

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	Date:	Comments	Init.															



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KEY MAP

**NOTES:**

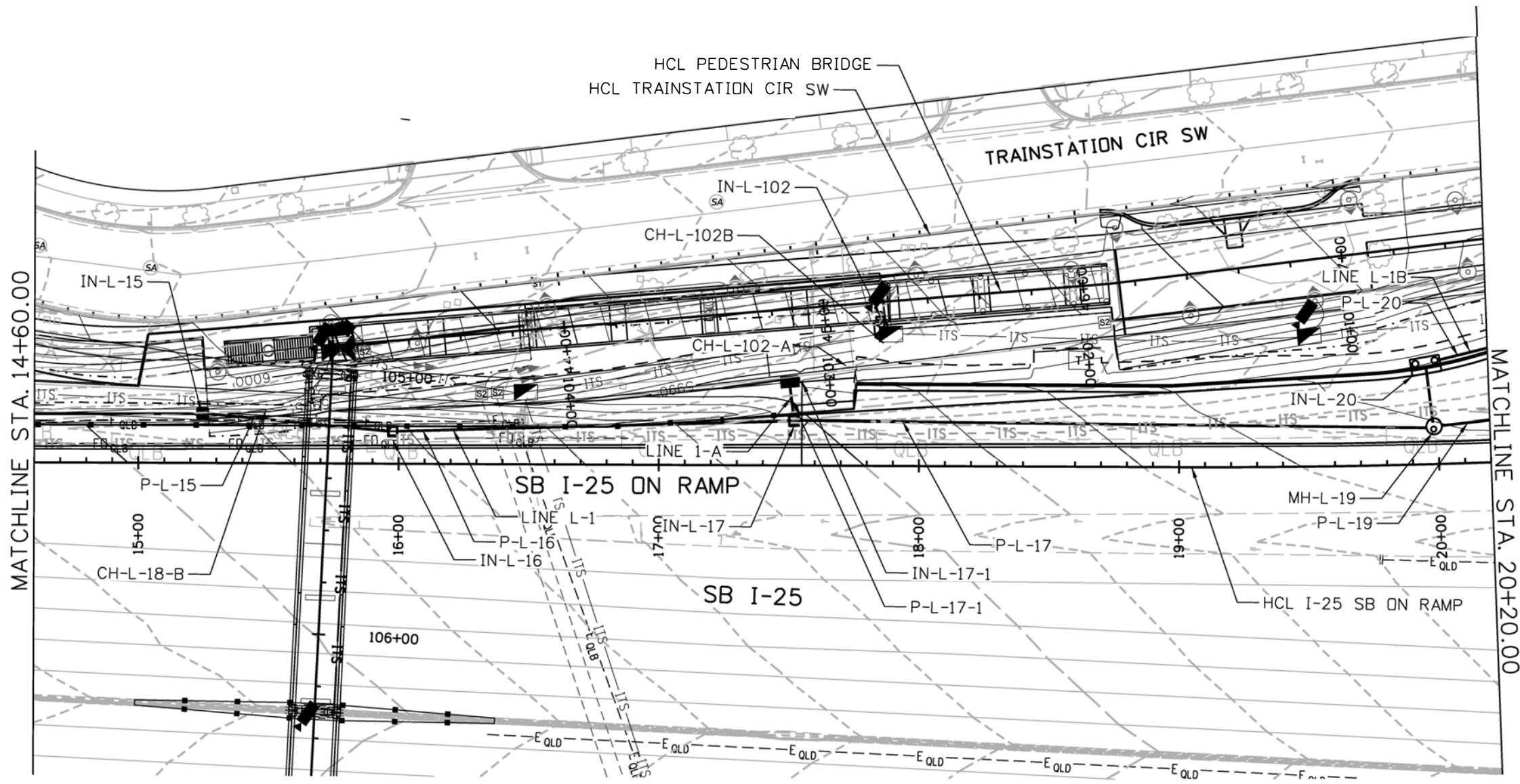
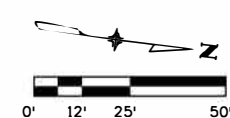
1. ALL EXISTING DRAINAGE SYSTEM TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.

**KEY NOTE:**

- ① EXISTING PIPE CONDITION SHALL BE VERIFIED. IF CONDITION IS NOT IN ACCEPTABLE CONDITION, PIPE SHALL BE REPLACED WITH REINFORCED CONCRETE PIPE OF EQUIVALENT SIZE.
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- ③ CONNECT TO EXISTING STRUCTURE

**LEGEND:**

- TOE OF FILL
- - - TOP OF CUT
- ▬ ROADSIDE DITCH
- ▨ RIPRAP



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Sheet Revisions		
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Void:	

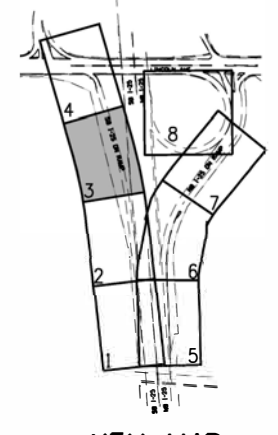
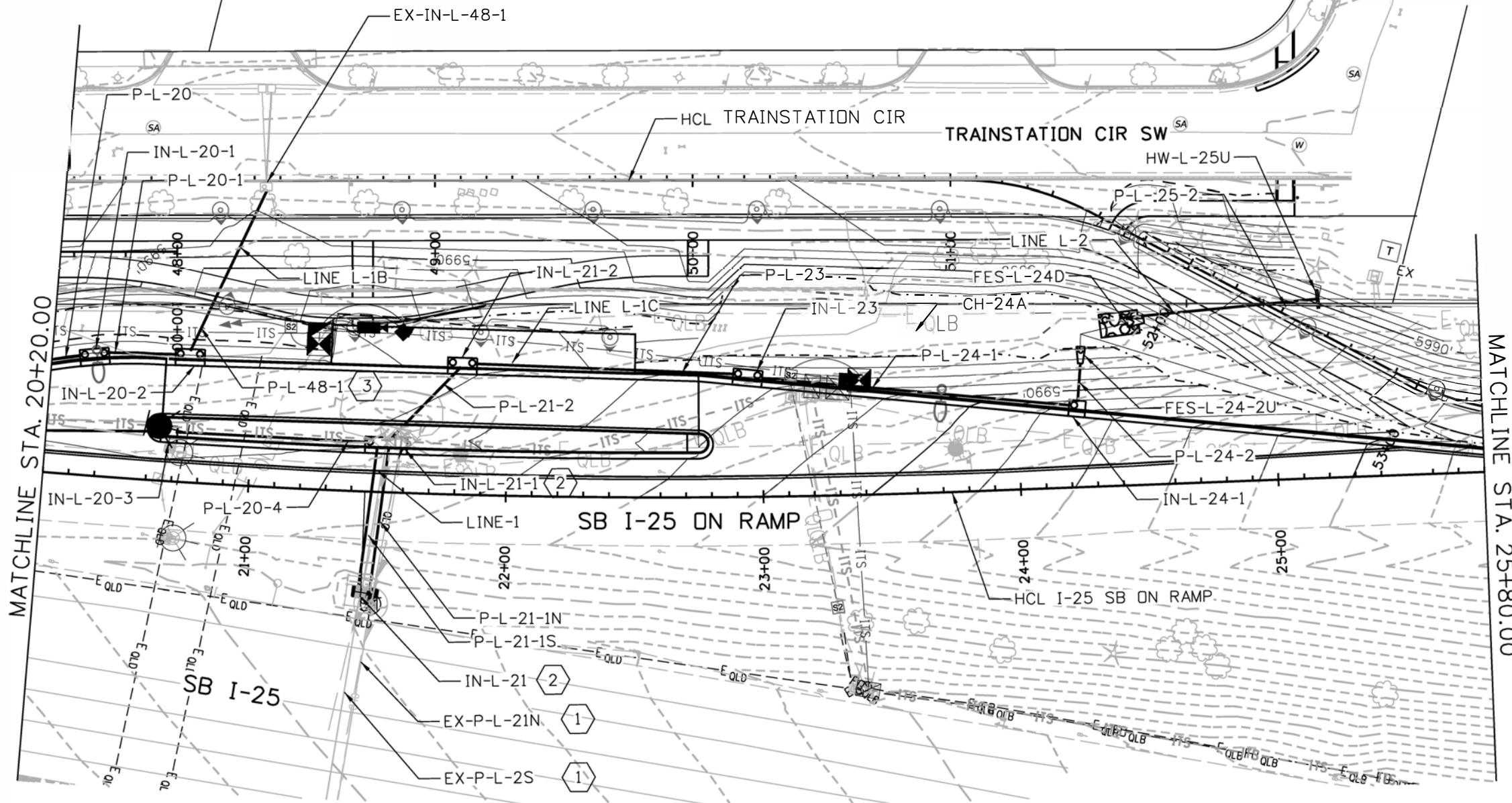
I-25 MOBILITY HUB (LONE TREE) GRADING PLAN STA 14+60 TO STA 20+20			
Designer:	MED	Structure Numbers	X-XX-XX
Detailer:	MTH	Structure Numbers	X-XX-XX
Sheet Subset:	GRD PLAN	Subset Sheets:	3 of 007

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KEY MAP

**NOTES:**

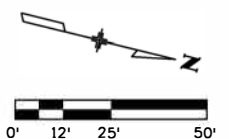
1. ALL EXISTING DRAINAGE SYSTEM TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.

**KEY NOTE:**

- ① EXISTING PIPE CONDITION SHALL BE VERIFIED. IF CONDITION IS NOT IN ACCEPTABLE CONDITION, PIPE SHALL BE REPLACED WITH REINFORCED CONCRETE PIPE OF EQUIVALENT SIZE.
- ② CONNECT TO EXISTING PIPE
- ③ CONNECT TO EXISTING STRUCTURE

**LEGEND:**

- TOE OF FILL
- - - TOP OF CUT
- ▬ ROADSIDE DITCH
- ⊗ RIPRAP

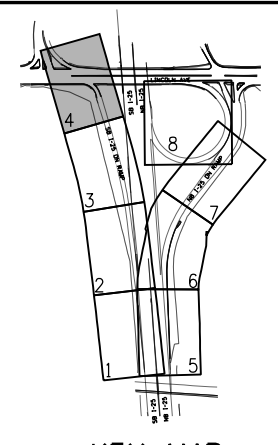
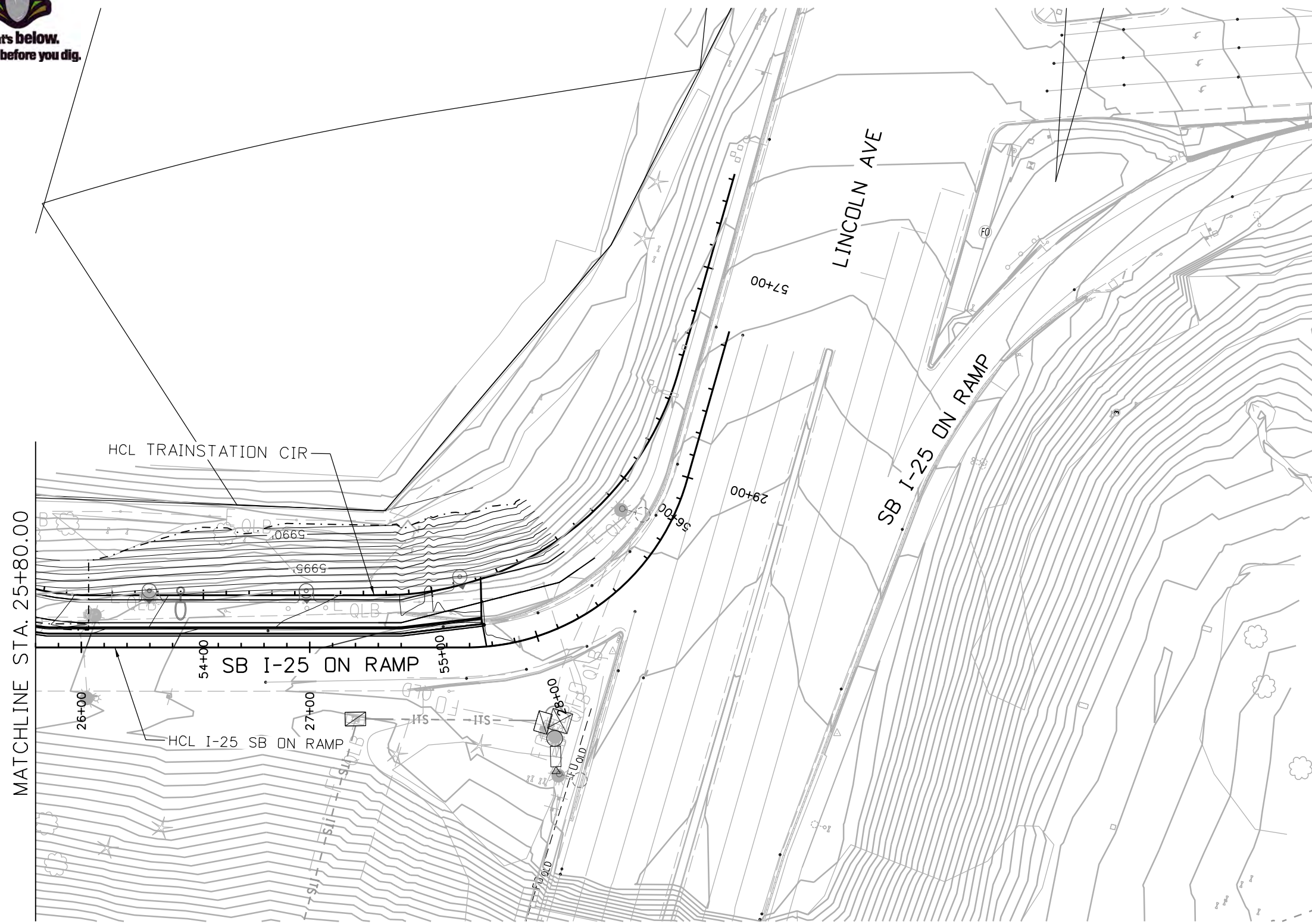


All seals for this set of drawings are applied to the cover page(s)	Print Date: 5/13/2024	Sheet Revisions		Colorado Department of Transportation		As Constructed	I-25 MOBILITY HUB (LONE TREE)		Project No./Code
	File Name: 24278-RSH-HW-025A-DR-DR-PLAN-23.dgn	Date:	Comments	Init.	 18500 E. Colfax Ave. Aurora, CO 80011 Phone: (303) 746-8639 Fax: N/A Region 1-South Program	No Revisions:	GRADING PLAN		267 0252-499
	Horiz. Scale: 1"=50' Vert. Scale: As Noted					Revised:	Designer: MED	Structure Numbers: X-XX-XX	24278
Unit Information JT				Void:		Detailer: MTH	Structure Numbers: X-XX-XX		
					Region 1-South Program	Sheet Subset: GRD PLAN	Subset Sheets: 3 of 007		

WhitB 10:42:26 AM pw:\cdot-pw-bentley.com\cdot-pw-01p\Documents\02 Minor Projects\CDOT Collaboration Projects\24278 - I-25 -mobility hub (lone tree)\01 Pre-Construction\Drawings\Hydraulics\24278-RSH-HW-025A-DR-DR-PLAN-23



Know what's below.  
Call before you dig.



KEY MAP

**NOTES:**

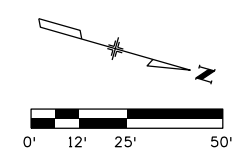
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Date:	Comments	Init.

Colorado Department of Transportation

18500 E. Colfax Ave.  
Aurora, CO 80011  
Phone: (303) 746-8639  
Fax: N/A

Region 1-South Program **NB**

As Constructed
No Revisions:
Revised:
Void:

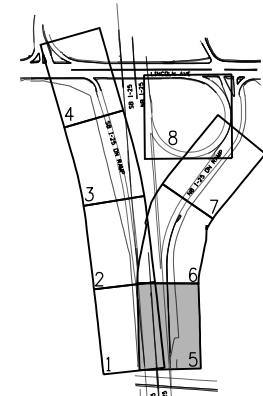
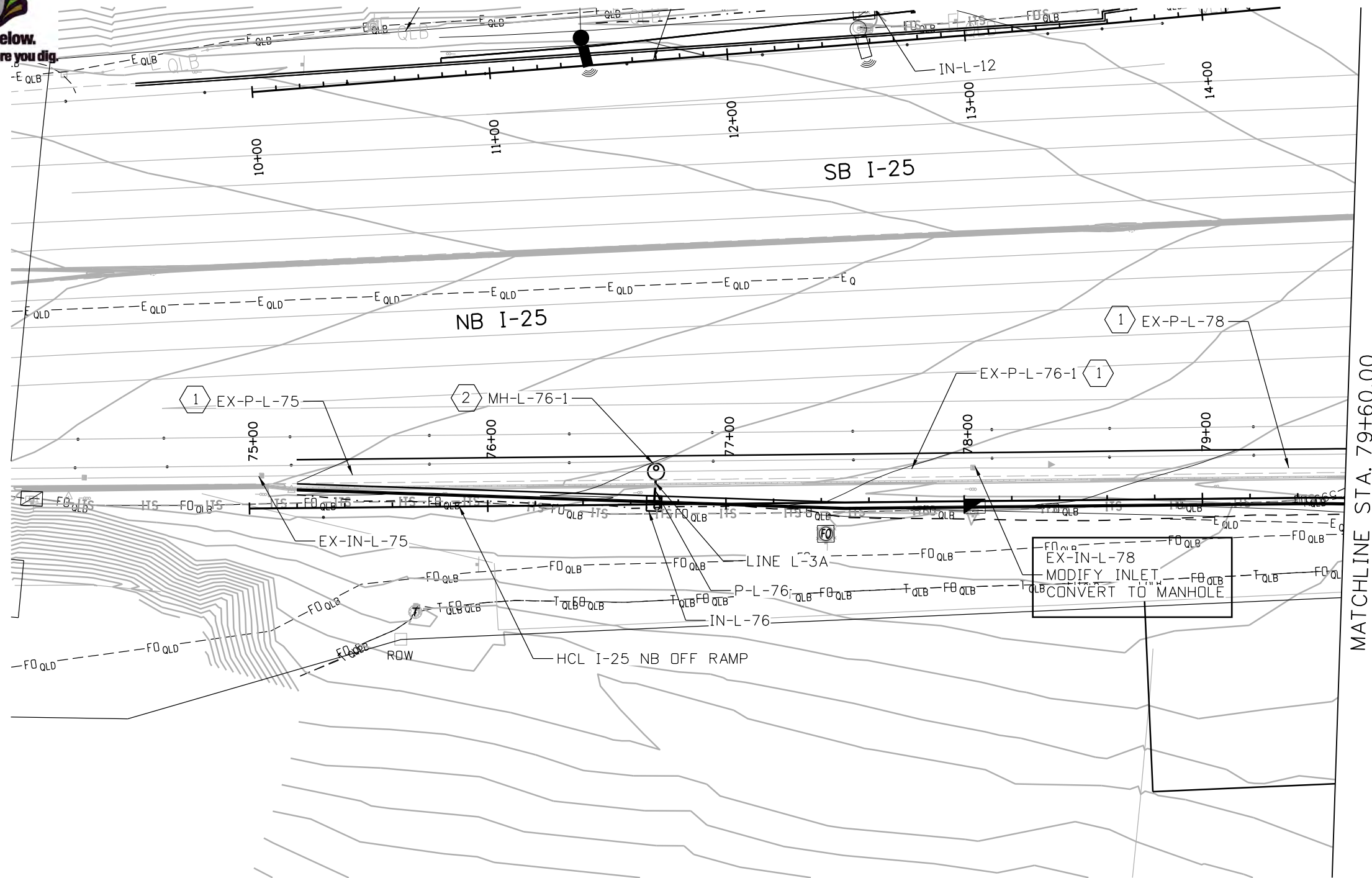
I-25 MOBILITY HUB (LONE TREE) GRADING PLAN STA 25+80 TO LINCOLN AVE			
Designer:	MED	Structure	X-XX-XX
Detailer:	MTH	Numbers	X-XX-XX
Sheet Subset:	GRD PLAN	Subset Sheets:	3 of 007

Project No./Code
267 0252-499
24278

WhitB 10:42:28 AM pw:\vdot-pw\entley.com\cdot-pw-01p\Documents\02 Minor Projects\CDOT Collaboration Projects\24278 - I-25 - mobility hub (lone tree)\01 Pre-Construction\Drawings\Hydraulics\24278-RSH-HW-025A-DR-DR-PLAN-23



Know what's below.  
Call before you dig.



KEY MAP

**NOTES:**

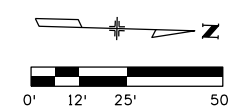
1. ALL EXISTING DRAINAGE SYSTEM TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.

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**LEGEND:**

- TOE OF FILL
- - - TOP OF CUT
- ▬ ROADSIDE DITCH
- ▬ RIPRAP



PROFILE SHEET	LINE	ID	STATION/OFFSET	HCL	ITEM	LENGTH	PAY DEPTH	MISC NOTES
	L-3A	MH-L-76-1	STA 76+70.78, 13.76' LT.	NB I-25 OFF RAMP	MH SLAB BASE		10'	
		P-L-76			24" RCP	10'		
		IN-L-76	STA 76+69.88, 1.50' LT.	NB I-25 OFF RAMP	INLET TYPE R (5')			
	N/A	EX-IN-L-78	STA 78+03.77, 14.43' LT.	NB I-25 OFF RAMP	MODIFY INLET			

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Print Date: 5/13/2024  
 File Name: 24278-RSH-HW-025A-DR-DR-PLAN-23.dgn  
 Horiz. Scale: 1"=50' Vert. Scale: As Noted  
 Unit Information: JT

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation  
 18500 E. Colfax Ave.  
 Aurora, CO 80011  
 Phone: (303) 746-8639  
 Fax: N/A  
 Region 1-South Program

As Constructed  
 No Revisions:  
 Revised:  
 Void:

**I-25 MOBILITY HUB (LONE TREE)  
 GRADING PLAN  
 STA 75+00 TO STA 79+60**

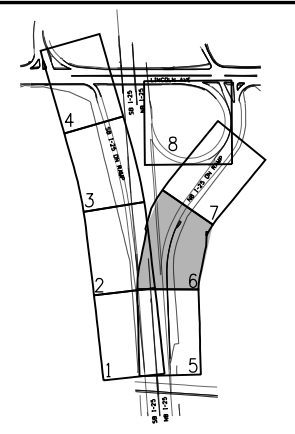
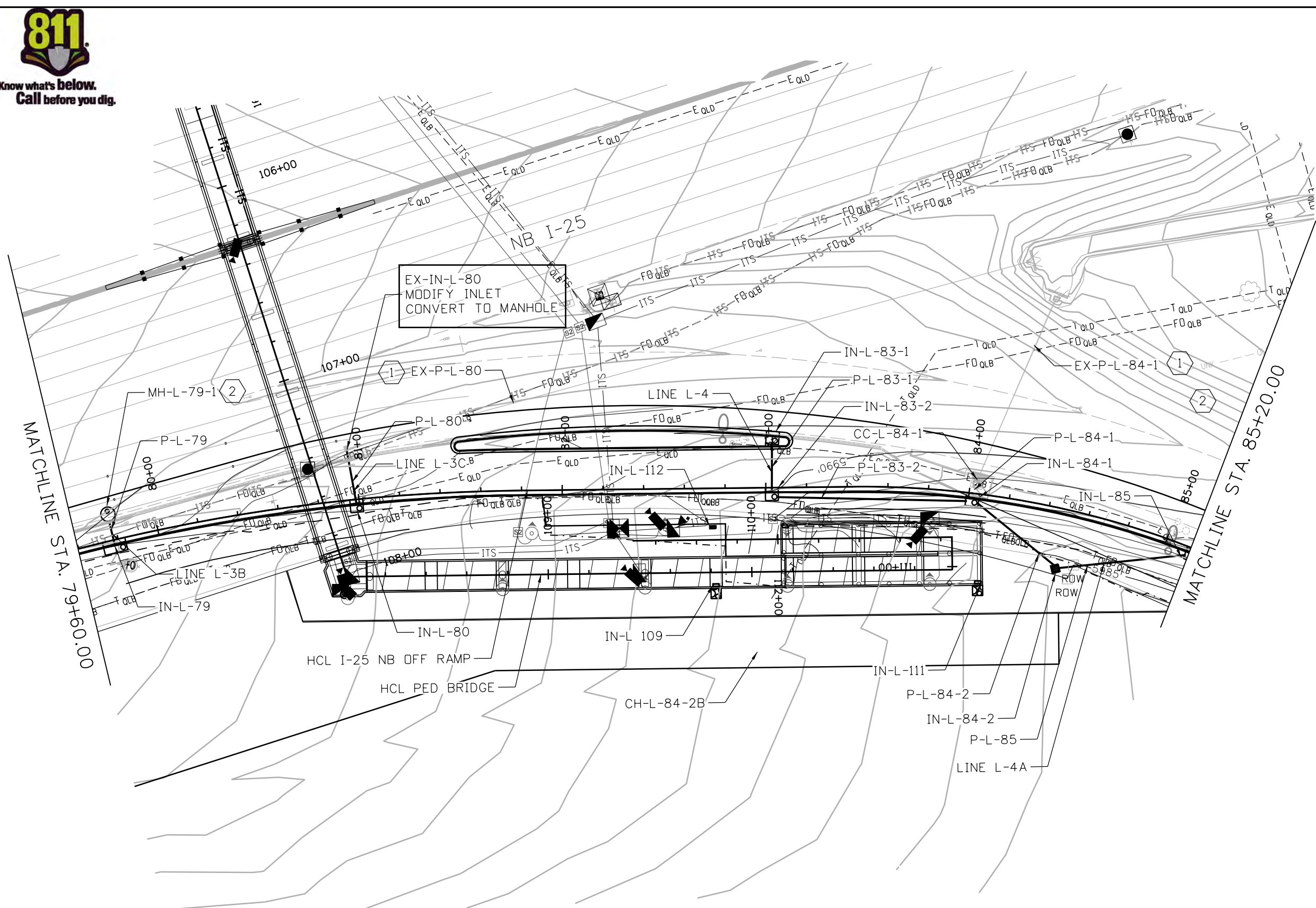
Designer: MED  
 Detailer: MTH  
 Sheet Subset: GRD PLAN  
 Structure Numbers: X-XX-XX  
 Subset Sheets: 4 of 007

Project No./Code  
 267 0252-499  
 24278



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KEY MAP

**NOTES:**

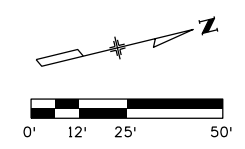
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- 3 CONNECT TO EXISTING STRUCTURE

**LEGEND:**

- TOE OF FILL
- - - TOP OF CUT
- ▬ ROADSIDE DITCH
- ▬ RIPRAP



All seals for this set of drawings are applied to the cover page(s)

Print Date: 5/13/2024
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Colorado Department of Transportation

18500 E. Colfax Ave.  
Aurora, CO 80011  
Phone: (303) 746-8639  
Fax: N/A

Region 1-South Program NB

As Constructed
No Revisions:
Revised:
Void:

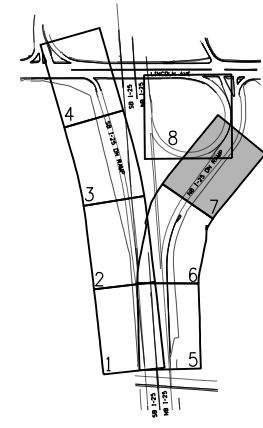
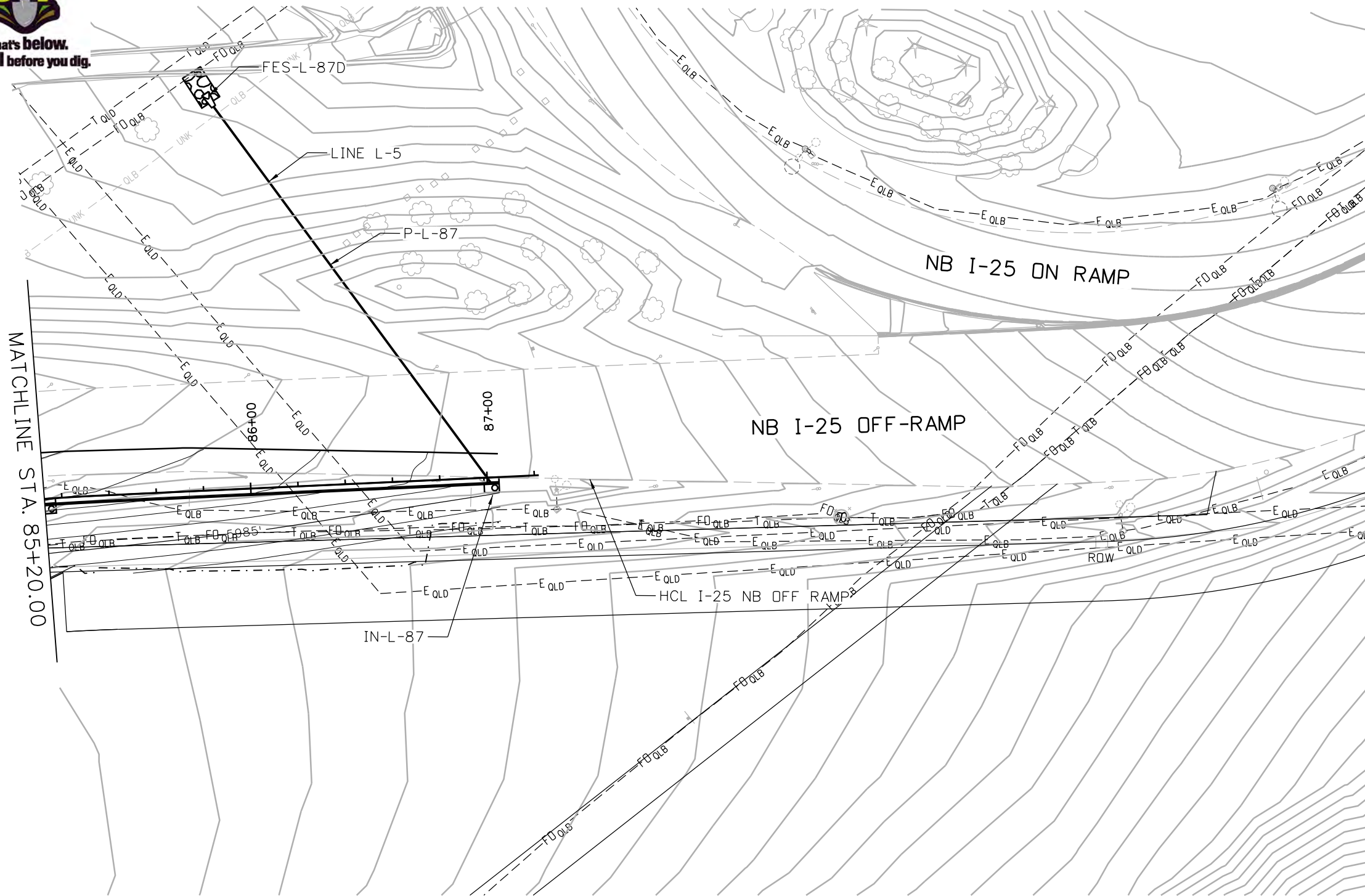
I-25 MOBILITY HUB (LONE TREE) GRADING PLAN			
STA 79+60 TO STA 85+20			
Designer:	MED	Structure	X-XX-XX
Detailer:	MTH	Numbers	X-XX-XX
Sheet Subset:	GRD PLAN	Subset Sheets:	5 of 007

Project No./Code	
267	0252-499
24278	

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Know what's below.  
Call before you dig.



KEY MAP

**NOTES:**

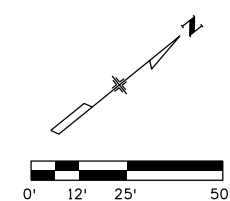
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- TOE OF FILL
- - - TOP OF CUT
- ▬ ROADSIDE DITCH
- ▬ RIPRAP



PROFILE SHEET	LINE	ID	STATION/OFFSET	HCL	ITEM	LENGTH	PAY DEPTH	MISC NOTES
2	L-5	FES-L-87D	NB I-25 OFF RAMP	STA 85+88.48, 167.69'LT.	18" FLARED END SECTION			
		P-L-87	NB I-25 OFF RAMP		18" RCP	197'		
		IN-L-87	NB I-25 OFF RAMP	STA 87+01.83, 2.00'RT.	INLET TYPE R (5')			

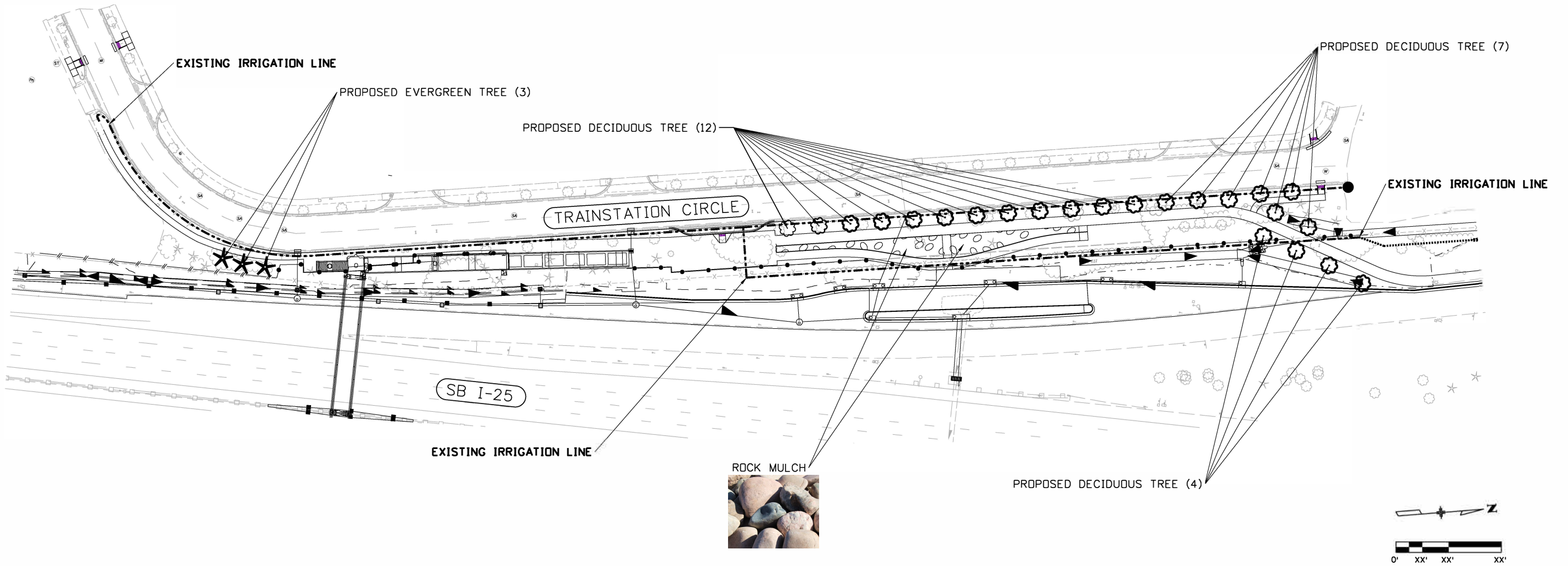
All seals for this set of drawings are applied to the cover page(s)	Print Date: 5/13/2024 File Name: 24278-RSH-HW-025A-DR-DR-PLAN-23.dgn Horiz. Scale: 1"=50'    Vert. Scale: As Noted Unit Information: JT	<b>Sheet Revisions</b> <table border="1"> <thead> <tr> <th>Date:</th> <th>Comments</th> <th>Init.</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> </tbody> </table>	Date:	Comments	Init.										Colorado Department of Transportation  18500 E. Colfax Ave. Aurora, CO 80011 Phone: (303) 746-8639 Fax: N/A Region 1-South Program	As Constructed No Revisions: Revised: Void:	<b>I-25 MOBILITY HUB (LONE TREE) GRADING PLAN</b> STA 85+20 TO END Designer: MED Detailer: MTH Sheet Subset: GRD PLAN Structure Numbers: X-XX-XX Subset Sheets: 6 of 007	Project No./Code 267 0252-499 24278
	Date:	Comments	Init.															

toppi 2:25:20 PM pw:\cadd\pw.bentley.com\cdot-pw-01p\Documents\02 Minor Projects\CDOT Collaboration Projects\24278 - I-25 -mobility hub (lone tree)\01 Pre-Construction\Drawings\Roadway\24278\_CDDT\_HW\_EN\_DR\_LANDSCAPE\_PLAN



**LEGEND**

- FLOWLINE
- CUT
- FILL
- ROCK MULCH
- PROPOSED DECIDUOUS TREE
- PROPOSED EVERGREEN TREE
- EXISTING IRRIGATION LINE



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Print Date: 9/18/2024  
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 Unit Information

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

18500 E. Colfax Ave.  
 Aurora, CO 80011  
 Phone: (303)-746-8639  
 Fax: N/A

Region 1-South Program NJB

<b>As Constructed</b>
No Revisions:
Revised:
Void:

LANDSCAPE/IRRIGATION PLAN			
Designer:	JET	Structure Numbers:	
Detailer:	JET	Subset Sheets:	
Sheet Subset:			

Project No./Code
267 0252-499
24278
Sheet Number



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**LANDSCAPE NOTES:**

1. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO DELIVERY TO THE SITE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING AWARE OF ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR FIELD LOCATION OF UNDERGROUND UTILITY LINES PRIOR TO ANY EXCAVATION. LANDSCAPE CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST OF UTILITY REPAIR DUE TO DAMAGE CAUSED BY THEIR OPERATIONS.
3. DO NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY OR MAY NOT HAVE BEEN KNOWN DURING DESIGN.
4. SEE SPECIFICATIONS FOR PLANTING REQUIREMENTS, SOIL PREPARATION TESTING, MATERIALS AND EXECUTIONS. ARRANGE FOR VISIT OF LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL A MINIMUM OF 48 HOURS PRIOR TO INSTALLATION.
5. MAINTENANCE STATEMENT: ALL LANDSCAPING SHOWN ON THIS PLAN SHALL BE MAINTAINED IN A NEAT AND ADEQUATE MANNER. REQUIRED MAINTENANCE ACTIVITIES SHALL INCLUDE, BUT NOT LIMITED TO, ADEQUATE IRRIGATION, REPLACEMENT OF DEAD OR DISEASED OR UNSIGHTLY LANDSCAPING, REMOVAL OF WEEDS FROM PLANTED AREAS, AND APPROPRIATE PRUNING PLANT MATERIALS.

**IRRIGATION NOTES:**

1. IRRIGATION LINE LOCATIONS SHOWN IN THESE PLANS ARE APPROXIMATE. REFER TO SUPPLEMENTAL RAMPART RANGE METRO DISTRICT (RRMD) PLANS FOR EXACT LOCATIONS.
2. A FIELD VISIT SHALL TAKE PLACE PRIOR TO THE START OF CONSTRUCTION TO LOCATE IRRIGATION LINES AND IDENTIFY AREAS TO CUT AND RECONNECT TO.

**MULCHING NOTES:**

1. LANDSCAPE WEED BARRIER FABRIC: INSTALL FABRIC IN ROCK MULCH AREAS ONLY. SPUNBOND TYPE LANDSCAPE FABRIC/WEED BARRIER SIMILAR AND EQUAL TO MIRAFI 140N, TYPAR, OR STABILENKA T-80.
2. MULCHING (WOOD CHIP): WOOD MULCH SHALL BE DOUBLE-SHREDDED CEDAR MULCH HAVING MULCH RINGS AROUND ALL TREES SET IN NATIVE AREAS.

**PLANT LIST:**

BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
FRAXINUS NIGRA 'FALLGOLD'	FALLGOLD ASH	2-1/2" CAL.	23
PINUS NIGRA	AUSTRIAN PINE	6'	3

**LANDSCAPE SUMMARY OF QUANTITIES:**

ITEM #	DESCRIPTION	UNIT	QTY.
213-00008	MULCHING (WOOD CHIP)	CF	243
213-00070	LANDSCAPE WEED BARRIER FABRIC	SY	323
213-00462	METAL LANDSCAPE BORDER (3/16x5-1/2-INCH)	LF	600
214-00005	LANDSCAPE MAINTENANCE (24 MONTH)	LS	1
214-00220	DECIDUOUS TREE (2-INCH CALIPER)	EACH	23
214-00506	EVERGREEN TREE (6 FOOT)(B&B)	EACH	3
700-70380	F/A EROSION CONTROL	F/A	1
700-70310	F/A LANDSCAPING	F/A	1

NOTE: REFERENCE SWMP FOR SEEDING (NATIVE) QUANTITIES AND PAVING PLAN FOR ROCK MULCH QUANTITIES.

**CITY OF LONE TREE LANDSCAPING NOTES:**

1. ALL PLANTS INSTALLED SHALL FOLLOW THE PLANT SCHEDULE, INSTALLATION INSTRUCTIONS AND THE LANDSCAPE DRAWINGS ON THE APPROVED LANDSCAPE PLAN INCLUDED IN THIS SITE IMPROVEMENT PLAN. ANY CHANGES TO THE APPROVED LANDSCAPE PLAN, TO INCLUDE PLANT SUBSTITUTIONS, MUST BE APPROVED BY THE CITY IN ADVANCE OF INSTALLATION.
2. ALL MULCH AND/OR ROCK COBBLE SHALL BE INSTALLED AND MAINTAINED TO THE DEPTH(S) PROVIDED ON THE APPROVED LANDSCAPE PLAN INCLUDED IN THIS SITE IMPROVEMENT PLAN.
3. ORGANIC MULCH SHALL NOT BE PLACED WITHIN SIX (6) FEET OF STORM INLETS.
4. THE USE OF IMPERMEABLE SHEET PLASTIC AS A WEED BARRIER IS PROHIBITED.

**CITY OF LONE TREE IRRIGATION NOTES:**

1. IRRIGATION SHALL OCCUR BETWEEN THE HOURS OF 8:00 P.M. AND 6:00 A.M.
2. ANY IRRIGATION EQUIPMENT MOUNTED TO THE BUILDING SHALL BE PAINTED TO MATCH THE BUILDING.

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	File Name: 24278_CDDT_HW_EN_DR_LANDSCAPE		Date:	Comments	Init.		No Revisions:				267-0252-499
	Horiz. Scale: 1"=XX'    Vert. Scale: As Noted						Revised:	Designer: JET	Structure Numbers	24278	
	Unit Information						Void:	Detailer: JET	Subset Sheets:	Sheet Number	

toppij 2:21:14 PM p:\cadd\pw-bentley.com\cdot\pw-01p\Documents\02\_Minor\_Projects\CDDT\_Collaboration\Projects\24278 - i-25 -mobility hub (lone tree)\01-Pre-Construction\Drawings\Roadway\24278\_CDDT\_HW\_EN\_DR\_LANDSCAPE\_PLAN

# Lone Tree Mobility Hub Tree Inventory

NOTE: CDOT'S POLICY IS TO REPLACE TREES THAT ARE >4" DIAMETER BREAST HEIGHT (DBH). PER THE INVENTORY TAKEN ON 5/24/24, OF THE 51 TREES THAT WILL BE IMPACTED DURING CONSTRUCTION, 26 WILL BE REPLACED AS SHOWN IN THE LANDSCAPE PLAN. 3 TREES WILL BE PROTECTED DURING CONSTRUCTION, AND THE TREES LABELED TO BE REMOVED DURING CONSTRUCTION WERE FOUND TO BE OF POOR HEALTH PER THE CITY OF LONE TREE'S FORESTER.

**Legend**

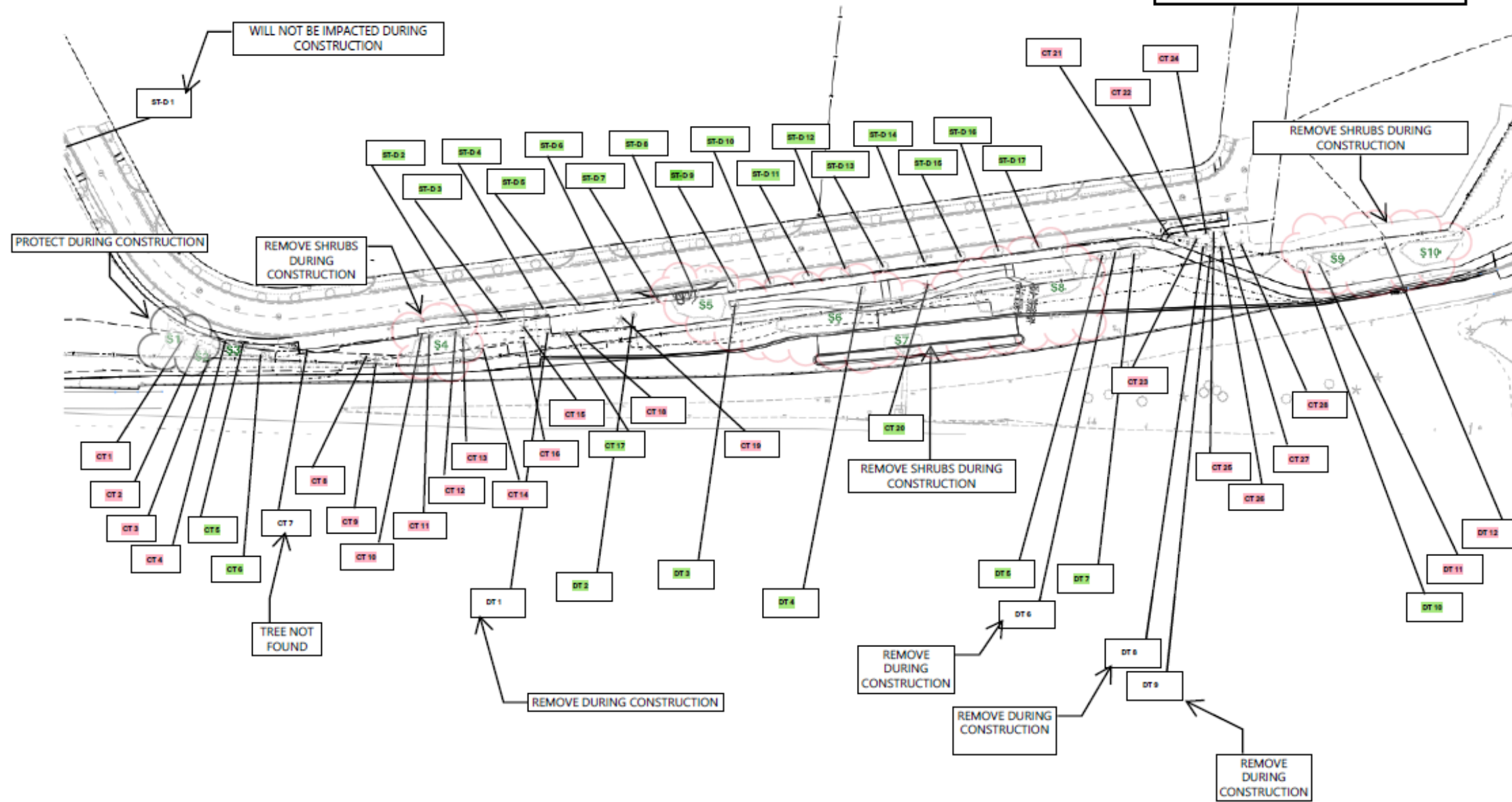
ST-D: Street Trees-Deciduous

DT: Deciduous Trees

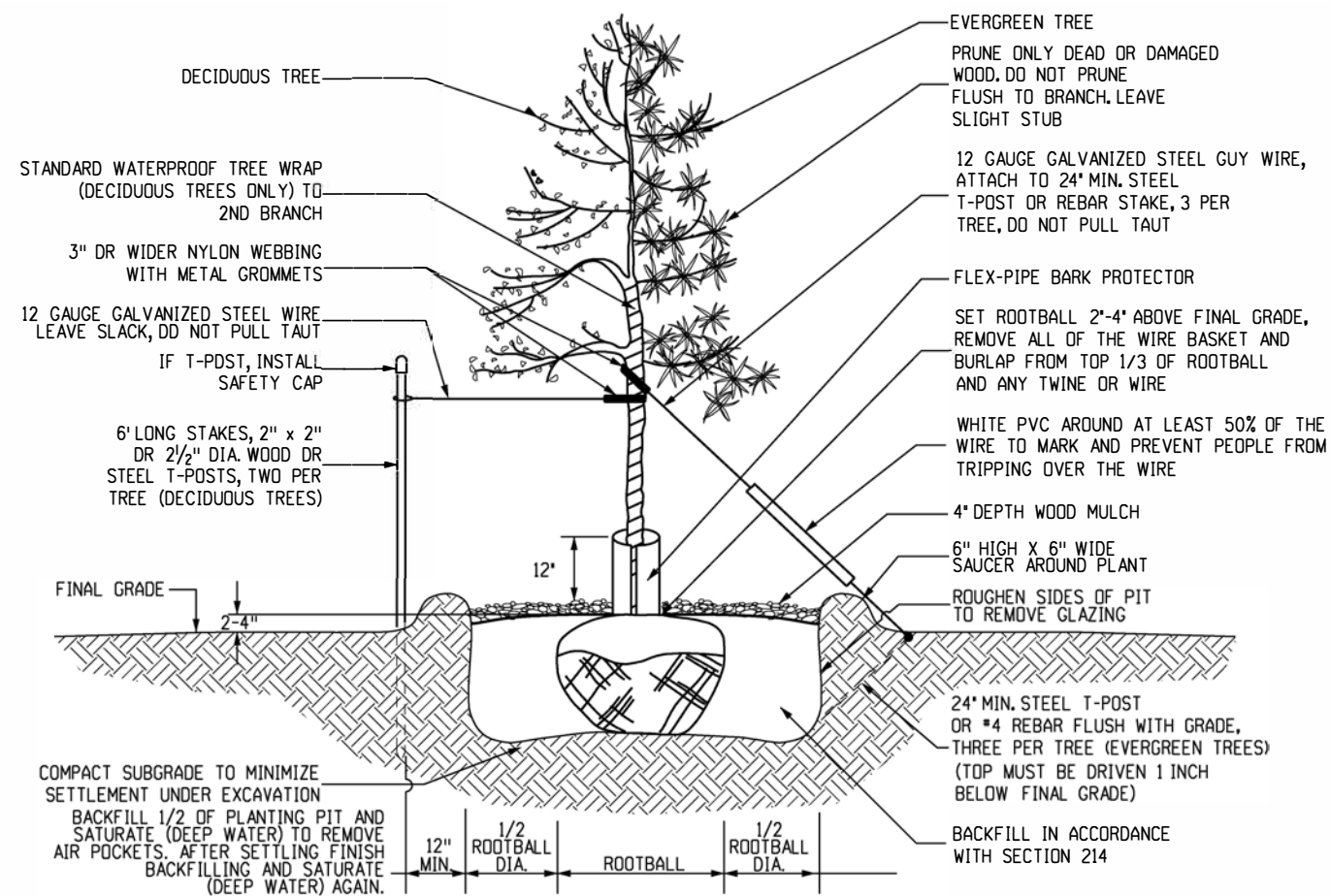
CT: Coniferous Trees

> 4" DBH

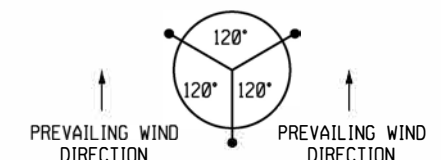
< 4" DBH



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	Horiz. Scale: 1"=XX'    Vert. Scale: As Noted	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date:</th> <th>Comments</th> <th>Init.</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> </tbody> </table>	Date:	Comments		Init.										18500 E. Colfax Ave. Aurora, CO 80011 Phone: (303) 746-8639 Fax: N/A	No Revisions:	267-0252-499
	Date:	Comments	Init.															
Unit Information	Region 1-South Program    NJB	Revised:	Designer: JET    Structure Numbers:	24278														
(Empty)	(Empty)	Void:	Detailer: JET    Subset Sheets:	Sheet Number														

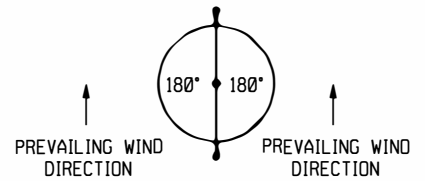


**DECIDUOUS AND EVERGREEN BALLED AND BURLAPPED TREE PLANTING AND GUYING DETAIL**  
 (GUY AND STAKE DECIDUOUS TREES 2" AND LARGER CALIPER AND EVERGREEN TREES OVER 4' HEIGHT.)  
 NOT TO SCALE

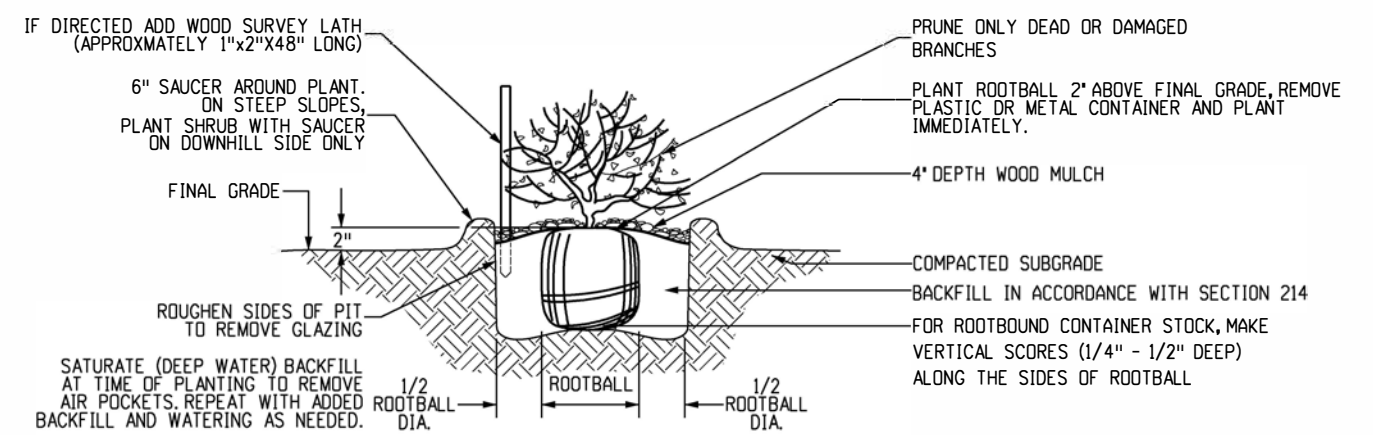


NOTE: FOR TREES ON 4:1 OR STEEPER SLOPES, PLACE TWO GUYS UPSLOPE AND ONE DOWN SLOPE. OTHERWISE, PLACE FOR PREVAILING WIND.

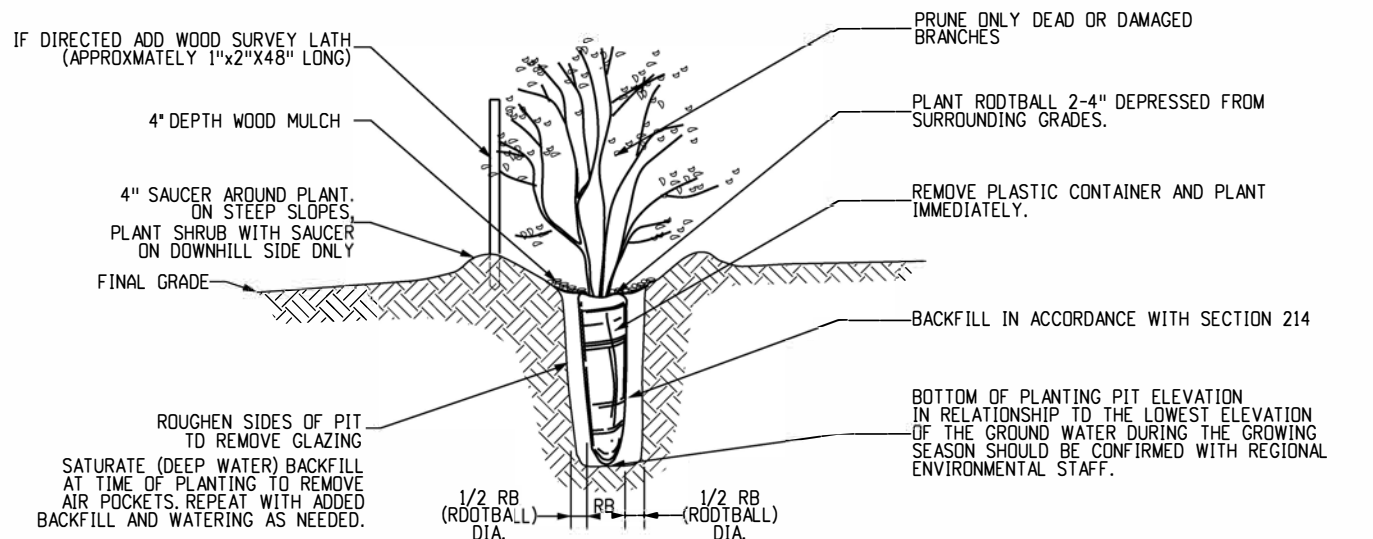
**GUYING PATTERN FOR EVERGREEN TREE BALLED AND BURLAPPED TREE PLANTINGS**



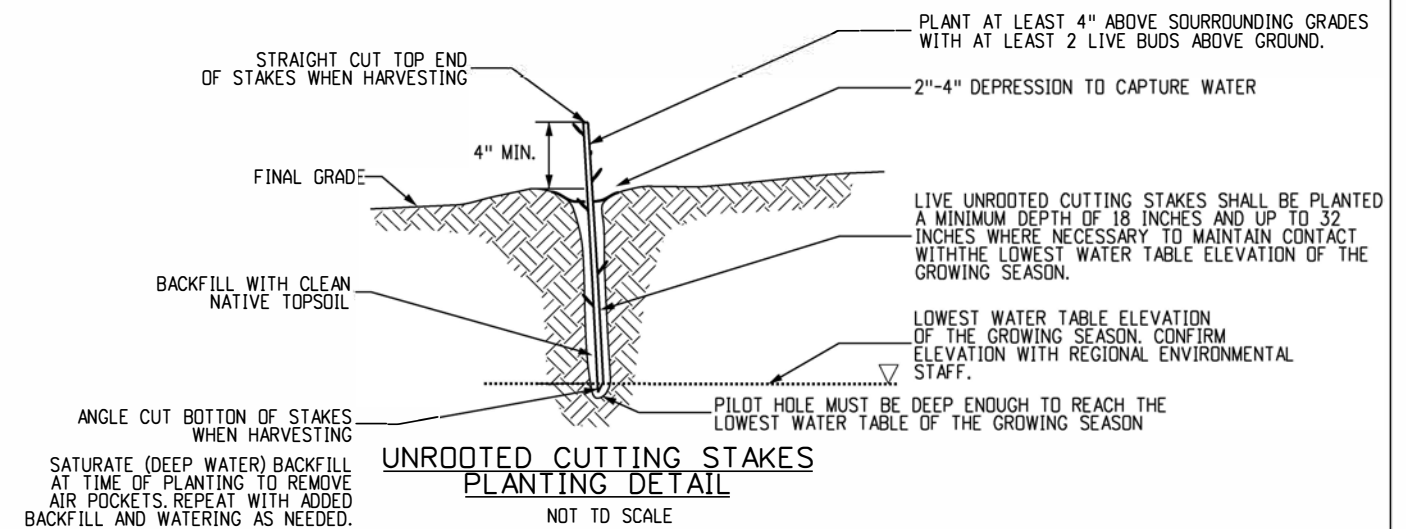
**GUYING PATTERN FOR DECIDUOUS TREE BALLED AND BURLAPPED TREE PLANTINGS**



**STANDARD NURSERY STOCK CONTAINERS (#5, #10 AND #20) PLANTING DETAIL**  
 NOT TO SCALE



**DEEP ROOTED UPLAND NURSERY CONTAINERS (DRC #10, #40, #60 AND #180) PLANTING DETAIL**  
 NOT TO SCALE



**UNROOTED CUTTING STAKES PLANTING DETAIL**  
 NOT TO SCALE

Computer File Information	
Creation Date: 07/31/19	
Designer Initials: MP	(R-X)
Last Modification Date: 07/31/19	(R-X)
Detailer Initials: LTA	(R-X)
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	(R-X)

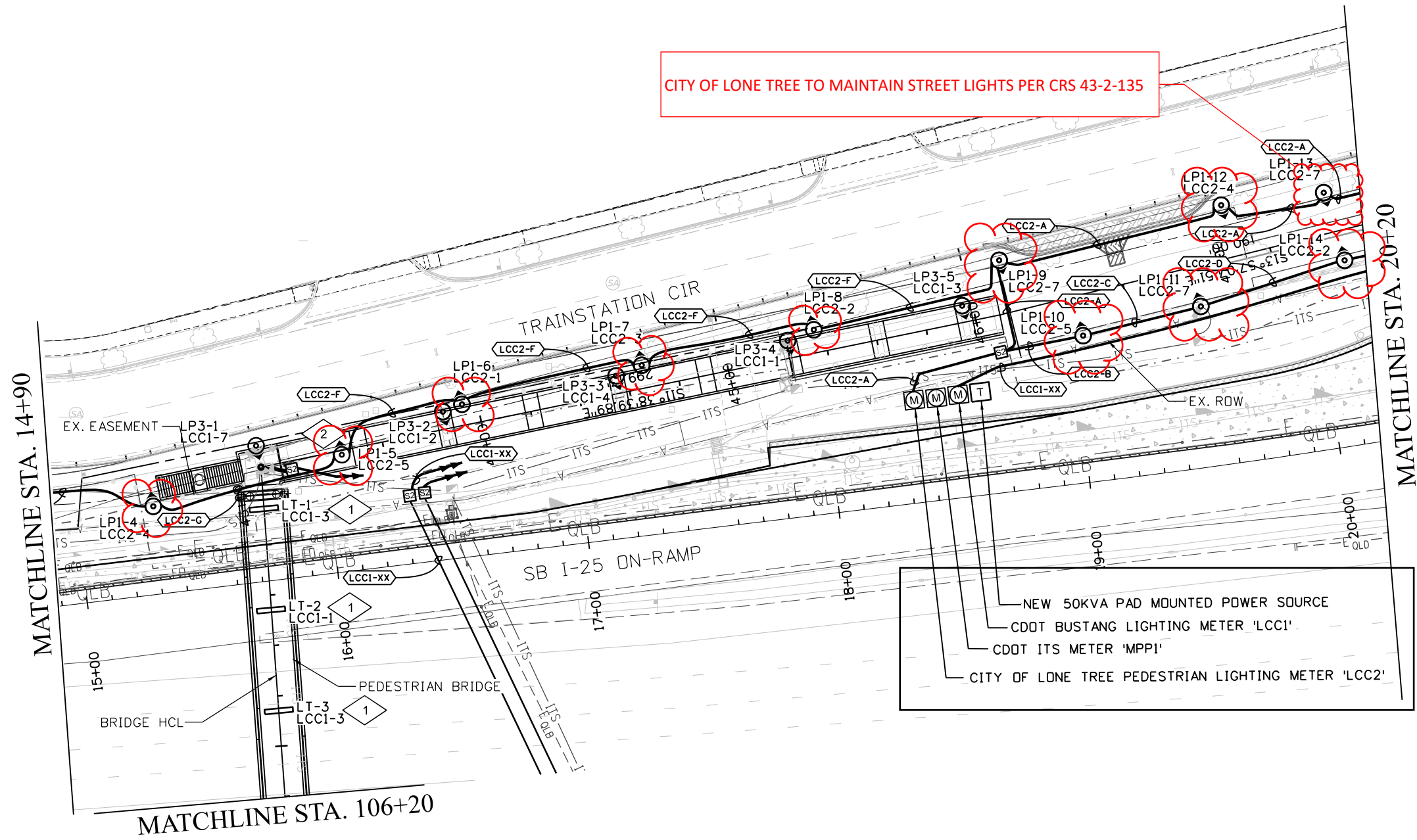
Sheet Revisions	
Date:	Comments

Colorado Department of Transportation  
 2829 West Howard Place  
 CDDT HQ,  
 Denver, CO 80204  
 Phone: 303-757-9542  
 Project Development Branch

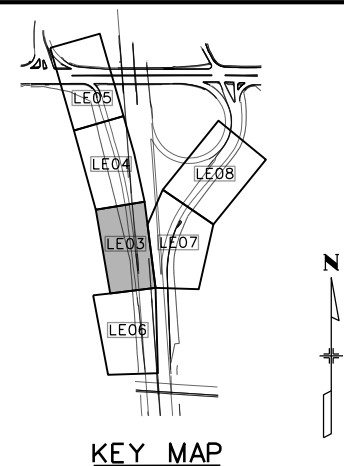
**NURSERY STOCK DETAILS**  
 Issued by the Project Development Branch: July 31, 2019

STANDARD PLAN NO.  
**M-214-1**  
 Standard Sheet No. 1 of 1

Greyson 10:34:26 AM pw:\cadd\pw.bentley.com\cdot\p\Documents\02\_Minor Projects\CDOT\_Collaboration\Projects\24278 - i-25 - mobility hub (lone tree)\01 Pre-Construction\Drawings\Roadway\24278-CLA-HW-025A-LT-DR-PLAN

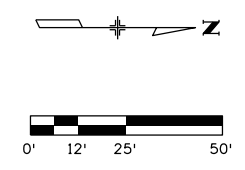


CITY OF LONE TREE TO MAINTAIN STREET LIGHTS PER CRS 43-2-135



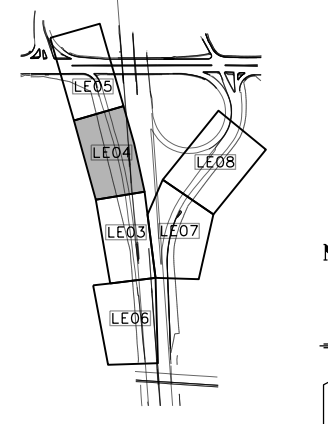
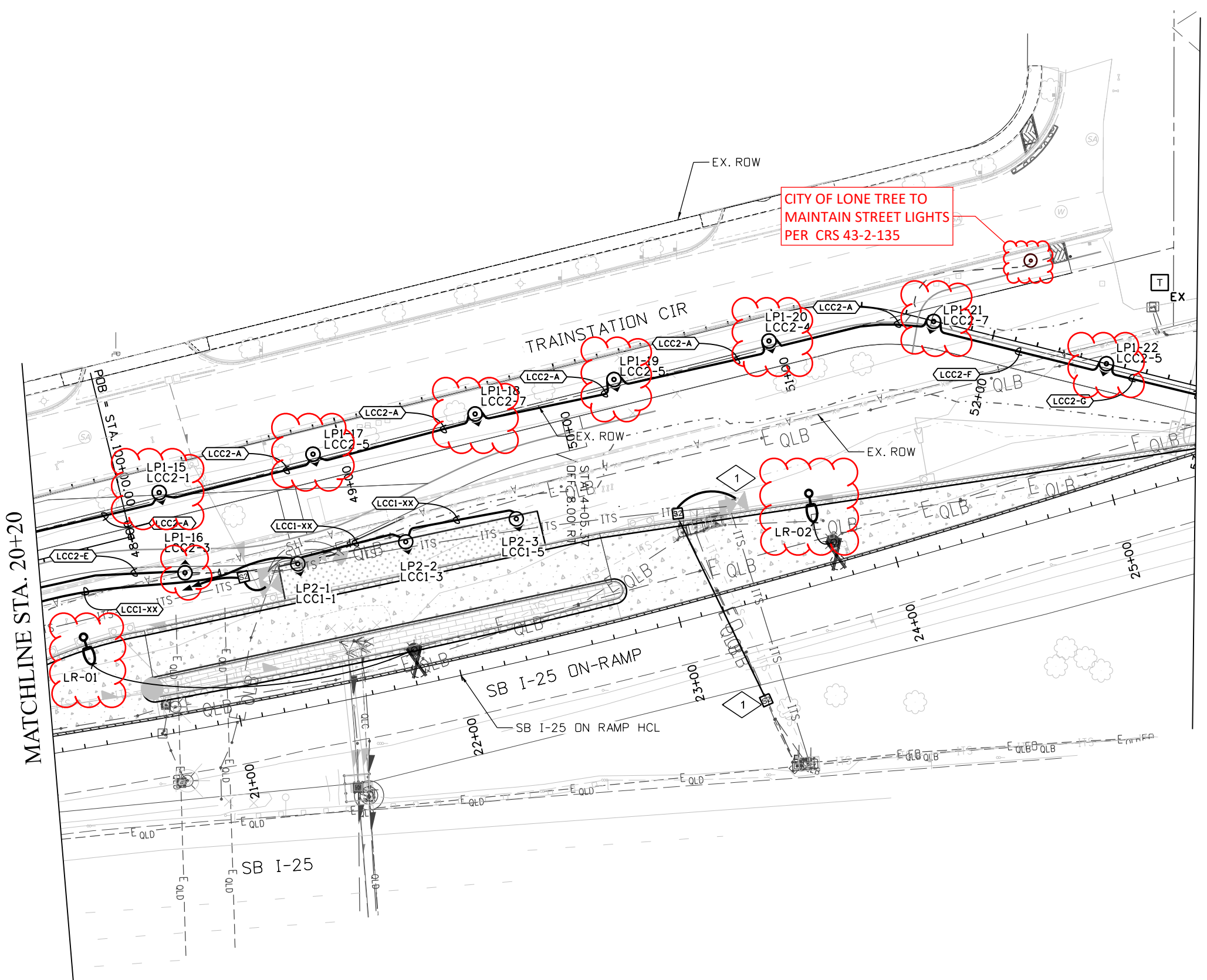
- PLAN NOTES:**
- 1 TYPE 'LT' LINEAR LED LUMINAIRE INSTALLED ON BRIDGE CANOPY. REFER LIGHTING DETAIL ON SHEET LE10 FOR MORE INFORMATION.
  - 2 LINEAR LED LUMINAIRE INSTALLED UNDER BRIDGE.

NEW 50KVA PAD MOUNTED POWER SOURCE  
 CDOT BUSTANG LIGHTING METER 'LCCI'  
 CDOT ITS METER 'MPP1'  
 CITY OF LONE TREE PEDESTRIAN LIGHTING METER 'LCC2'



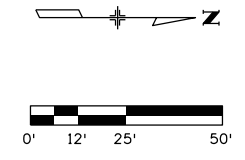
All seals for this set of drawings are applied to the cover page(s)	Print Date: 5/10/2024 File Name: 24278-CLA-HW-025A-LT-DR-PLAN.dgn	<b>Sheet Revisions</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date:</th> <th>Comments</th> <th>Init.</th> </tr> </thead> <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> </tbody> </table>	Date:	Comments	Init.													Colorado Department of Transportation 18500 E. Colfax Ave. Aurora, CO 80011 Phone: (303) 746-8639 Fax: N/A	As Constructed No Revisions: Revised: Void:	<b>I-25 MOBILITY HUB (LONE TREE) LIGHTING AND ELECTRICAL PLAN</b> Designer: BRIAN NELSON Detailer: JON EHNERT Sheet Subset: LIGHTING	Project No./Code Structure Numbers Subset Sheets: LE03 of 18
	Date:	Comments	Init.																		
Horiz. Scale:      Vert. Scale: As Noted	Unit Information LIGHTING DESIGN AND ENGINEERING <small>4880 N. WILLOW CREEK ROAD, SUITE 100          BOULDER, CO 80504          303.440.9729</small>	Region 1-South Program      NB	Void:	Sheet Subset: LIGHTING      Subset Sheets: LE03 of 18																	
811 Know what's below. Call before you dig.																					

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**PLAN NOTES:**

1 INTERCEPT EXISTING RAMP METER POWER, EXTEND AND RECONNECT CONDUIT AND CIRCUITING TO RESET RAMP METER LOCATION.



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File Name: 24278-CLA-HW-025A-LT-DR-PLAN.dgn
Horiz. Scale: Vert. Scale: As Noted
Unit Information
<b>GLANTON &amp; ASSOCIATES</b> LIGHTING DESIGN AND ENGINEERING

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

18500 E. Colfax Ave.  
Aurora, CO 80011  
Phone: (303) 746-8639  
Fax: N/A

**Region 1-South Program** NB

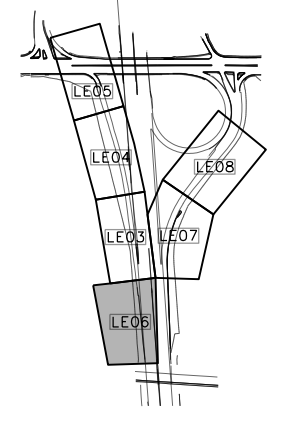
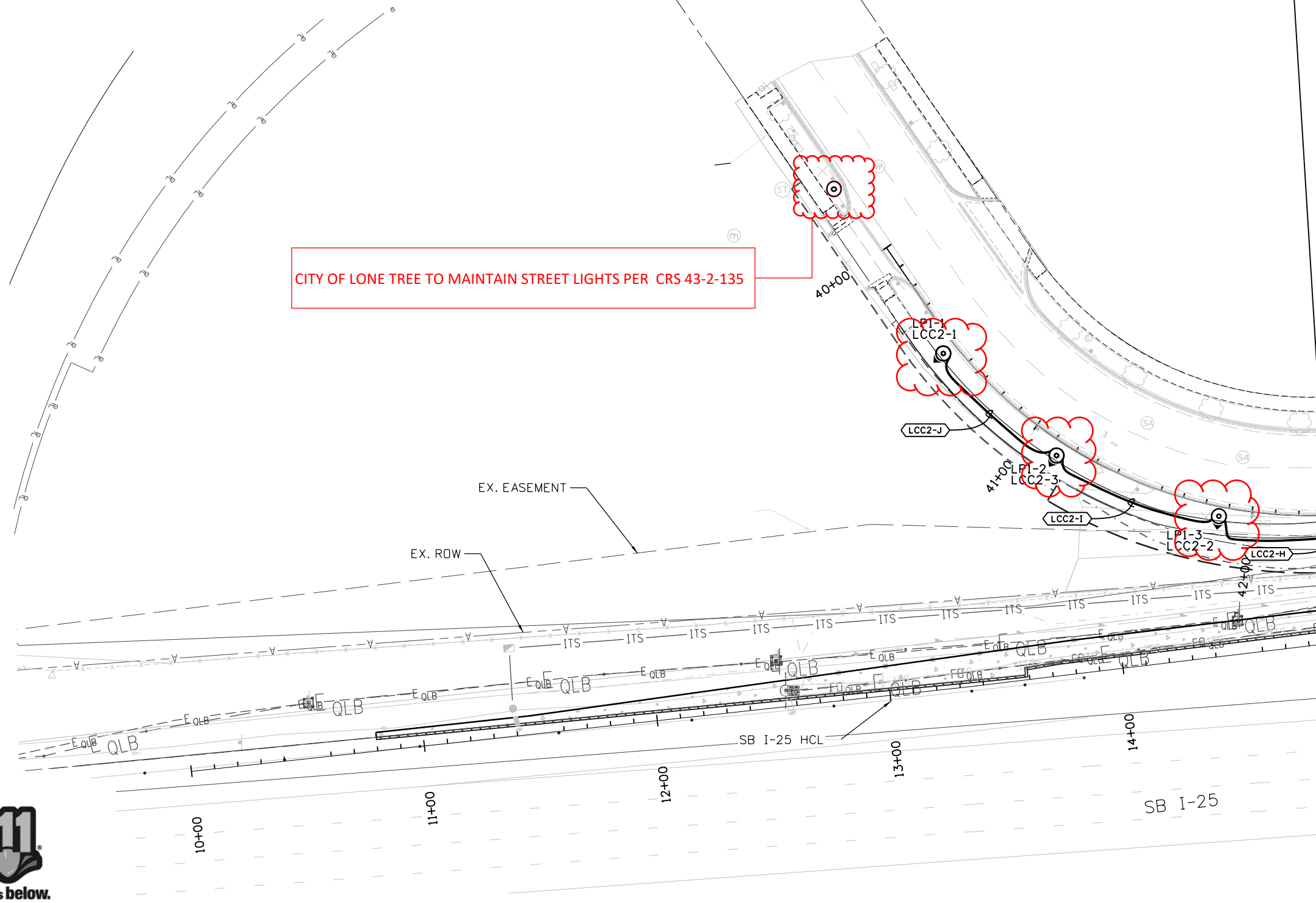
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<b>I-25 MOBILITY HUB (LONE TREE) LIGHTING AND ELECTRICAL PLAN</b>	
Designer: BRIAN NELSON	Structure Numbers
Detailer: JON EHNERT	
Sheet Subset: LIGHTING	Subset Sheets: LE04 of 18

Project No./Code

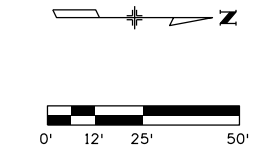


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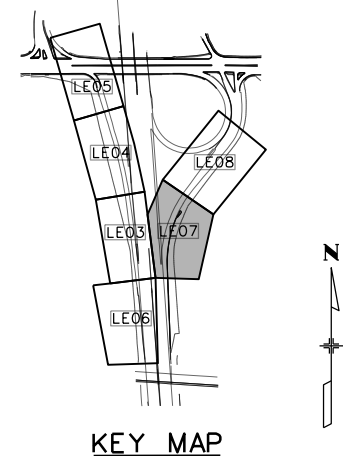
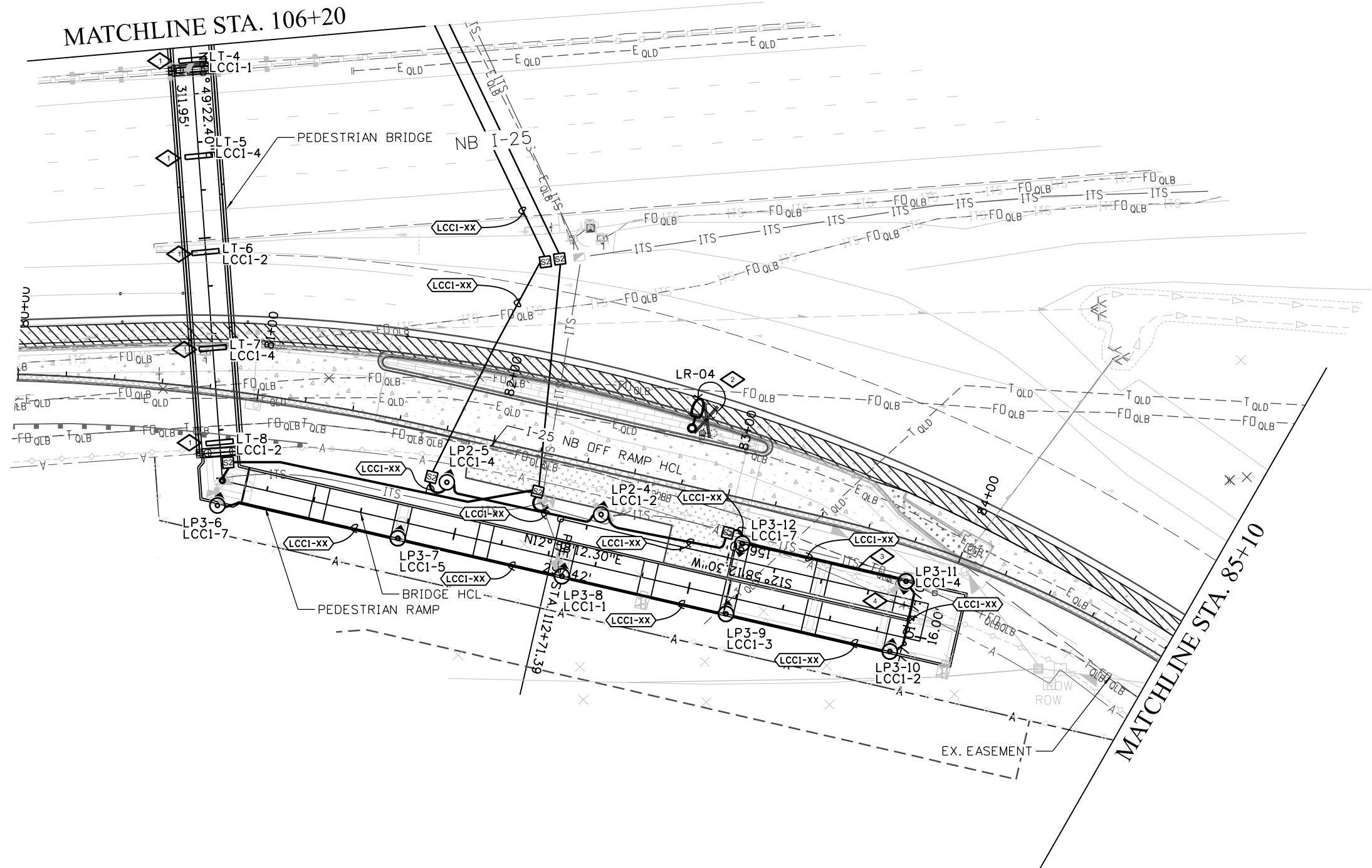
KEY MAP

MATCHLINE STA. 14+90

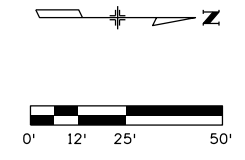


All seals for this set of drawings are applied to the cover page(s)	Print Date: 5/10/2024	Sheet Revisions			Colorado Department of Transportation 18500 E. Colfax Ave. Aurora, CO 80011 Phone: (303) 746-8639 Fax: N/A	As Constructed	I-25 MOBILITY HUB (LONE TREE)			Project No./Code
	File Name: 24278-CLA-HW-025A-LT-DR-PLAN.dgn	Date:	Comments	Init.			No Revisions:	LIGHTING AND ELECTRICAL PLAN		
	Horiz. Scale: Vert. Scale: As Noted				Region 1-South Program NB	Revised:	Designer: BRIAN NELSON	Structure Numbers		
	Unit Information					Void:	Detailer: JON EHNERT	Subset Sheets: LE06 of 18		
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- PLAN NOTES:**
- 1 TYPE 'LT' LINEAR LED LUMINAIRE INSTALLED ON BRIDGE CANOPY. REFER TO LIGHTING DETAIL ON SHEET LE10 FOR MORE INFORMATION.
  - 2 RESET LIGHT STANDARD IN SAME LOCATION. ALL NECESSARY PULL BOXES, CONDUIT, AND CIRCUITING TO REMAIN.
  - 3 ROUTE CONDUIT INSIDE RAMP CURB, SEE LIGHTING DETAILS. REFER TO STRUCTURAL DETAILS FOR ADDITIONAL INFORMATION.
  - 4 ROUTE CONDUIT UNDER DECK BETWEEN LIGHTS LP3-10 AND LP3-11, SEE LIGHTING DETAILS. REFER TO STRUCTURAL DETAILS FOR ADDITIONAL INFORMATION.



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Unit Information
<b>CLANTON &amp; ASSOCIATES</b> LIGHTING DESIGN AND ENGINEERING 488 N. W. 10th Street, Suite 102 Aurora, CO 80011 303.440.1229

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Date:	Comments	Init.

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 18500 E. Colfax Ave.  
 Aurora, CO 80011  
 Phone: (303) 746-8639  
 Fax: N/A  
 Region 1-South Program **NB**

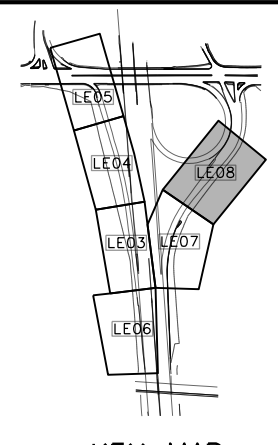
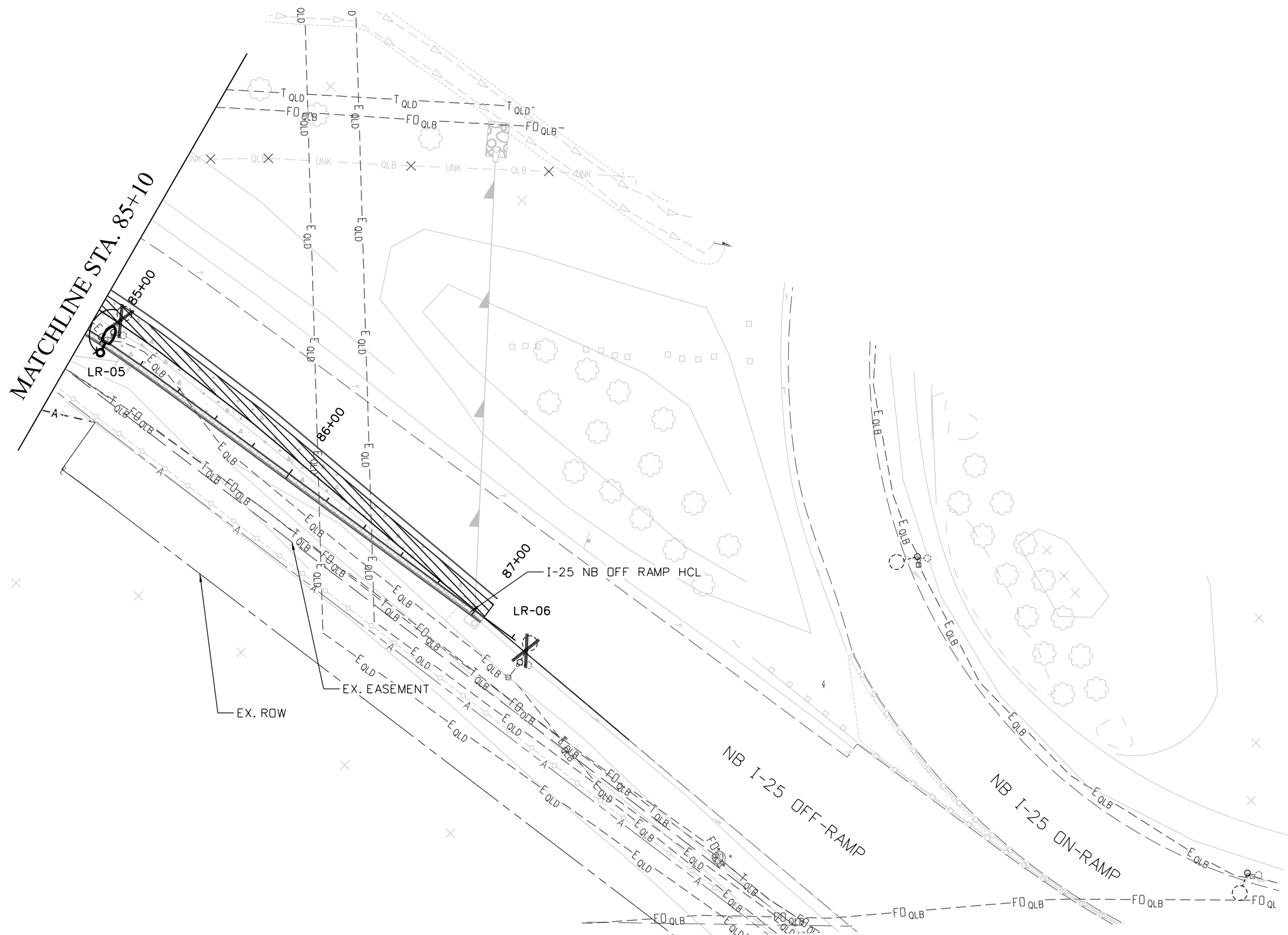
As Constructed
No Revisions:
Revised:
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I-25 MOBILITY HUB (LONE TREE) LIGHTING AND ELECTRICAL PLAN	
Designer: BRIAN NELSON	Structure Numbers
Detailer: JON EHNERT	
Sheet Subset: LIGHTING	Subset Sheets: LE07 of 18

Project No./Code



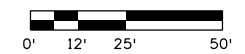
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KEY MAP



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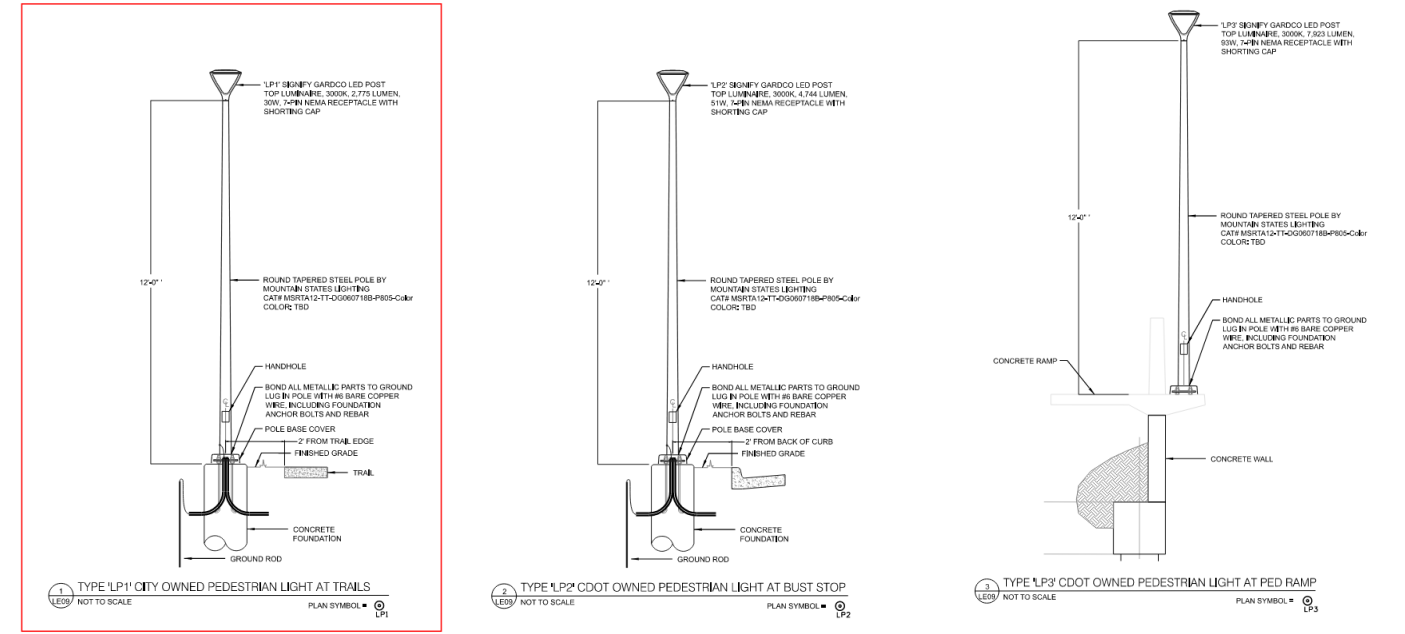
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	File Name: 24278-CLA-HW-025A-LT-DR-PLAN.dgn	Date:	Comments	Init.	18500 E. Colfax Ave. Aurora, CO 80011 Phone: (303) 746-8639 Fax: N/A		No Revisions:	Designer: BRIAN NELSON	Structure Numbers	
Horiz. Scale: Vert. Scale: As Noted				Revised:			Detailer: JON EHNERT			
Unit Information					Region 1-South Program NB		Void:	Sheet Subset: LIGHTING	Subset Sheets: LE08 of 18	

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## SCHEDULE OF LIGHTING DEVICES

LONG DESCRIPTION					RESET OF LIGHT STANDARD	LUMINAIRE (LED) (2,000 LUMENS) TYPE 'LT'	LIGHT STANDARD AND LUMINAIRE (PEDESTRIAN) TYPE 'LP1'	LUMINAIRE (LED) (4,000 LUMENS) TYPE 'LP2'	LUMINAIRE (LED) (8,000 LUMENS) TYPE 'LP3'	LIGHT STANDARD ALUMINUM (12 FOOT)	LIGHT STANDARD FOUNDATION	METER POWER PEDESTAL	LIGHTING CONTROL CENTER (SPECIAL)	CONCRETE FOUNDATION PAD	NOTES
SHEET No.	LD No.	BASELINE	STATION	OFFSET											
LE06	LP1-01						1								2
LE06	LP1-02						1								2
LE06	LP1-03						1								2
LE03	LP1-04						1								2
LE03	LP1-05						1								2
LE03	LP1-06						1								2
LE03	LP1-07						1								2
LE03	LP1-08						1								2
LE03	LP1-09						1								2
LE03	LP1-10						1								2
LE03	LP1-11						1								2
LE03	LP1-12						1								2
LE03	LP1-13						1								2
LE03	LP1-14						1								2
LE04	LP1-15						1								2
LE04	LP1-16						1								2
LE04	LP1-17						1								2
LE04	LP1-18						1								2
LE04	LP1-19						1								2
LE04	LP1-20						1								2
LE04	LP1-21						1								2
LE04	LP1-22						1								2
LE05	LP1-23						1								2
LE05	LP1-24						1								2
LE05	LP1-25						1								2
LE05	LP1-26						1								2
LE04	LP1-27						1								2
LE06	LP1-28						1								2
LE04	LP2-01							1		1					1
LE04	LP2-02							1		1					1
LE04	LP2-03							1		1					1
LE07	LP2-04							1		1					1
LE07	LP2-05							1		1					1
LE03	LP3-01								1	1					1,3
LE03	LP3-02								1	1					1,3
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LE03	LT-03		BRIDGE			1									1,4
LE07	LT-04		BRIDGE			1									1,4
LE07	LT-05		BRIDGE			1									1,4
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LE07	LT-07		BRIDGE			1									1,4
LE07	LT-08		BRIDGE			1									1,4
LE04	LR-01					1					1				
LE04	LR-02					1					1				
LE05	LR-03					1					1				
LE07	LR-04					1					1				
LE08	LR-05					1					1				
LE03	MPP1											1		1	
LE03	LCC1												1	1	
LE03	LCC2												1	1	
<b>TOTALS</b>					5	8	28	5	12	17	38	1	2	3	

- NOTES:**
- 1) TYPE 'LP2', 'LP3' AND 'LT' PEDESTRIAN LIGHT STANDARDS OWNED AND MAINTAINED BY CDOT.
  - 2) TYPE 'LP1' PEDESTRIAN LIGHT STANDARDS OWNED AND MAINTAINED BY THE CITY OF LONETREE.
  - 3) TYPE 'LP3' PEDESTRIAN LIGHT STANDARDS INSTALLED ON BRIDGE RAMP.
  - 4) TYPE 'LT' LINEAR LUMINAIRES INSTALLED ON BRIDGE CANOPY STRUCTURE.

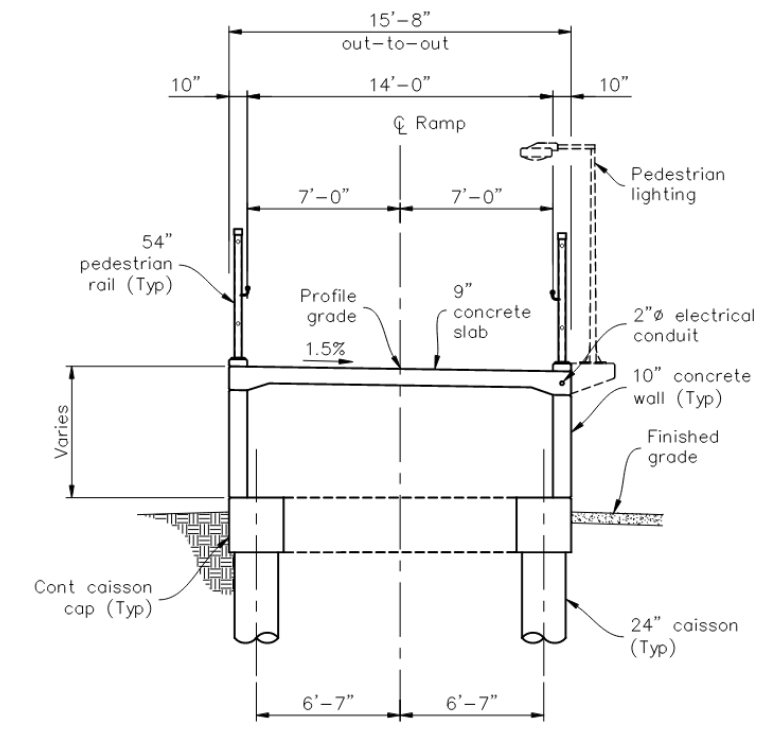
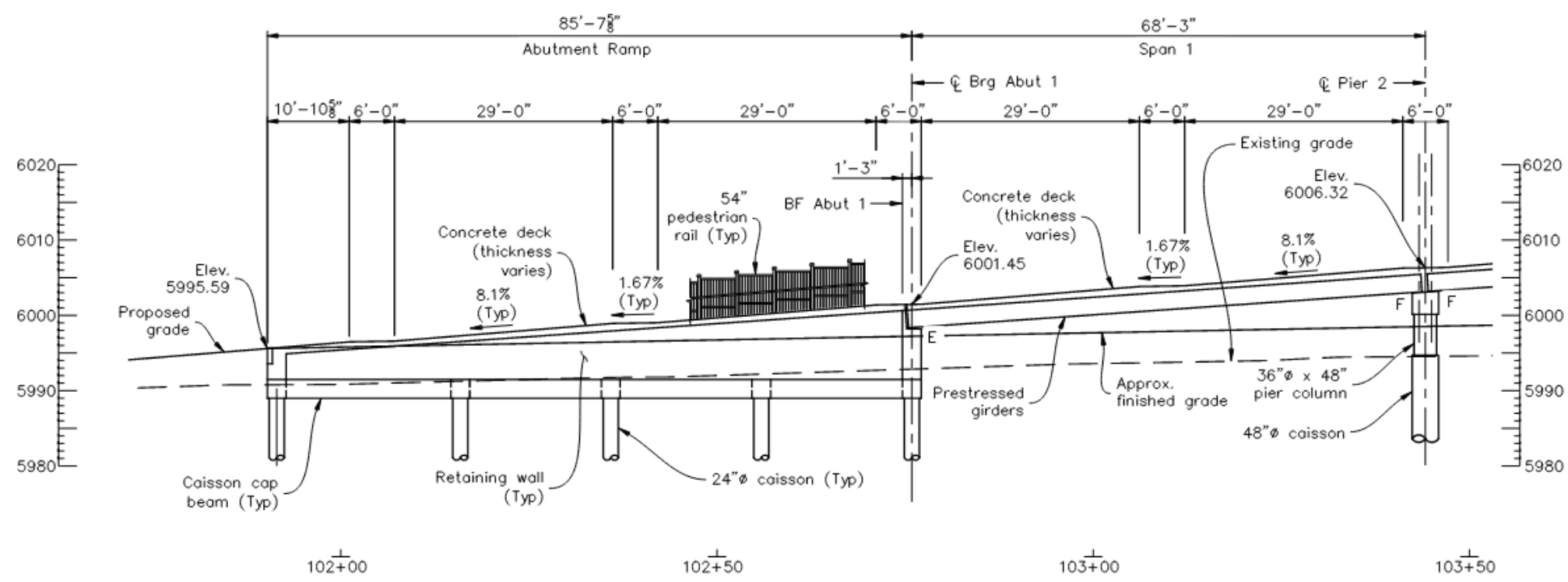


## LUMINAIRE SCHEDULE

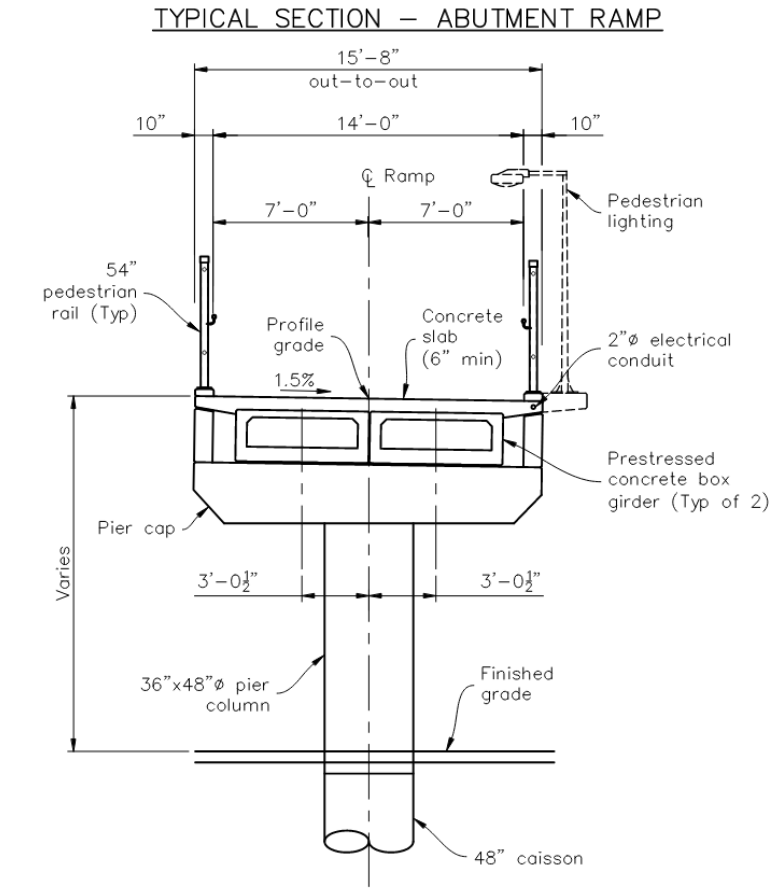
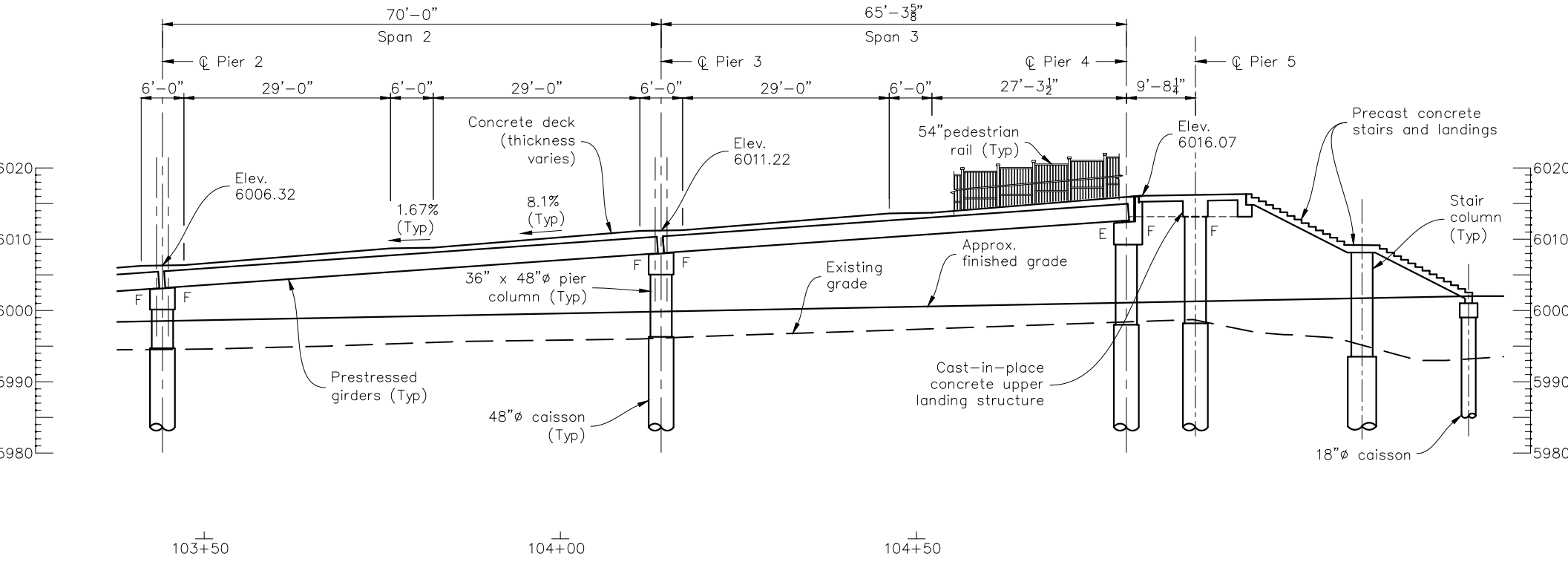
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LP1	Signify Gardco PPT-196L-650-WW-G2-T3-2-UNV-FAWS-TLRD7-F1-BK	<b>New LED Pedestrian Luminaire</b> New LED pedestrian luminaire on 12'-0" round aluminum pole. Type II distribution, maximum B1-U0-G1 rating, field adjustable wattage selector, twist lock 7-pin receptacle, 10kA surge protection, UL listed suitable for wet location.	TBD	<b>Integral LED</b> Initial Luminaire Lumens: 2,775 CCT: 3000K CRI: 80	<b>Integral LED Driver</b> Non-Dimming	30	120-277
	Mountain States Lighting MSRTA12-TT-DG060718C-P805-BLACK						
LP2	Signify Gardco PPT-196L-1150-WW-G2-T3-2-UNV-FAWS-TLRD7-F1-BK	<b>New LED Pedestrian Luminaire at Bus Stop</b> New LED pedestrian luminaire on 12'-0" round aluminum pole at bus stop. Type II distribution, maximum B1-U0-G1 rating, field adjustable wattage selector, twist lock 7 pin receptacle, 10kA surge protection, UL listed suitable for wet location.	TBD	<b>Integral LED</b> Initial Luminaire Lumens: 4,744 CCT: 3000K CRI: 80	<b>Integral LED Driver</b> Non-Dimming	51	120-277
	Mountain States Lighting MSRTA12-TT-DG060718C-P805-BLACK						
LP3	Signify Gardco PPT-196L-2100-WW-G2-T3-2-UNV-FAWS-TLRD7-F1-BK	<b>New LED Pedestrian Luminaire at Pedestrian Ramp</b> New LED pedestrian luminaire on 12'-0" round aluminum pole at pedestrian ramp. Type II distribution, maximum B1-U0-G1 rating, field adjustable wattage selector, twist lock 7-pin receptacle, 10kA surge protection, UL listed suitable for wet location.	TBD	<b>Integral LED</b> Initial Luminaire Lumens: 7,923 CCT: 3000K CRI: 80	<b>Integral LED Driver</b> Non-Dimming	93	120-277
	Mountain States Lighting MSRTA12-TT-DG060718C-P805-BLACK						
LT	Cooper Metalux 4SNX-20SL-FDL-UNV-L830-CD-1-[FINISH]-U-[MOUNTING ACCESSORIES]	<b>New Pendant Mounted LED Luminaire</b> New pendant mounted LED luminaire at pedestrian bridge. Die-former cold rolled steel channel, tool-less channel/wireway cover, flat acrylic lens. UL listed for damp locations.	TBD	<b>Integral LED</b> Initial Luminaire Lumens: 1,786 CCT: 3000K CRI: 80	<b>Integral LED Driver</b> Electronic 0-10V Dimming	12	120-277

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	File Name: 24278-CLA-HW-025A-LT-DR-PLAN.dgn	Date:	Comments	Init.	No Revisions:	<b>DESIGNER: BRIAN NELSON</b>		Structure Numbers
	Horiz. Scale:      Vert. Scale: As Noted				Revised:	<b>DETAILER: JON EHNERT</b>		
	Unit Information				Void:	Sheet Subset: LIGHTING		Subset Sheets: LE02 of 18
<b>CLANTON &amp; ASSOCIATES</b> LIGHTING DESIGN AND ENGINEERING 4660 N. W. 10TH ST. SUITE 102 BOULDER, CO 80501 303.440.7219		CDOT		Region 1-South Program	<b>NB</b>	Sheet Number		

24278 - I-25 MOBILITY HUB (SKY RIDGE AT LONE TREE) - AD - 09/20/2024




**WEST RAMP SECTION**




**TYPICAL SECTION - SPANS 1, 2 & 3**

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked						
By						

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 Unit Information: JT  
  
 San Engineering LLC  
 Civil and Structural Engineering

Sheet Revisions		
Date:	Comments	Init.

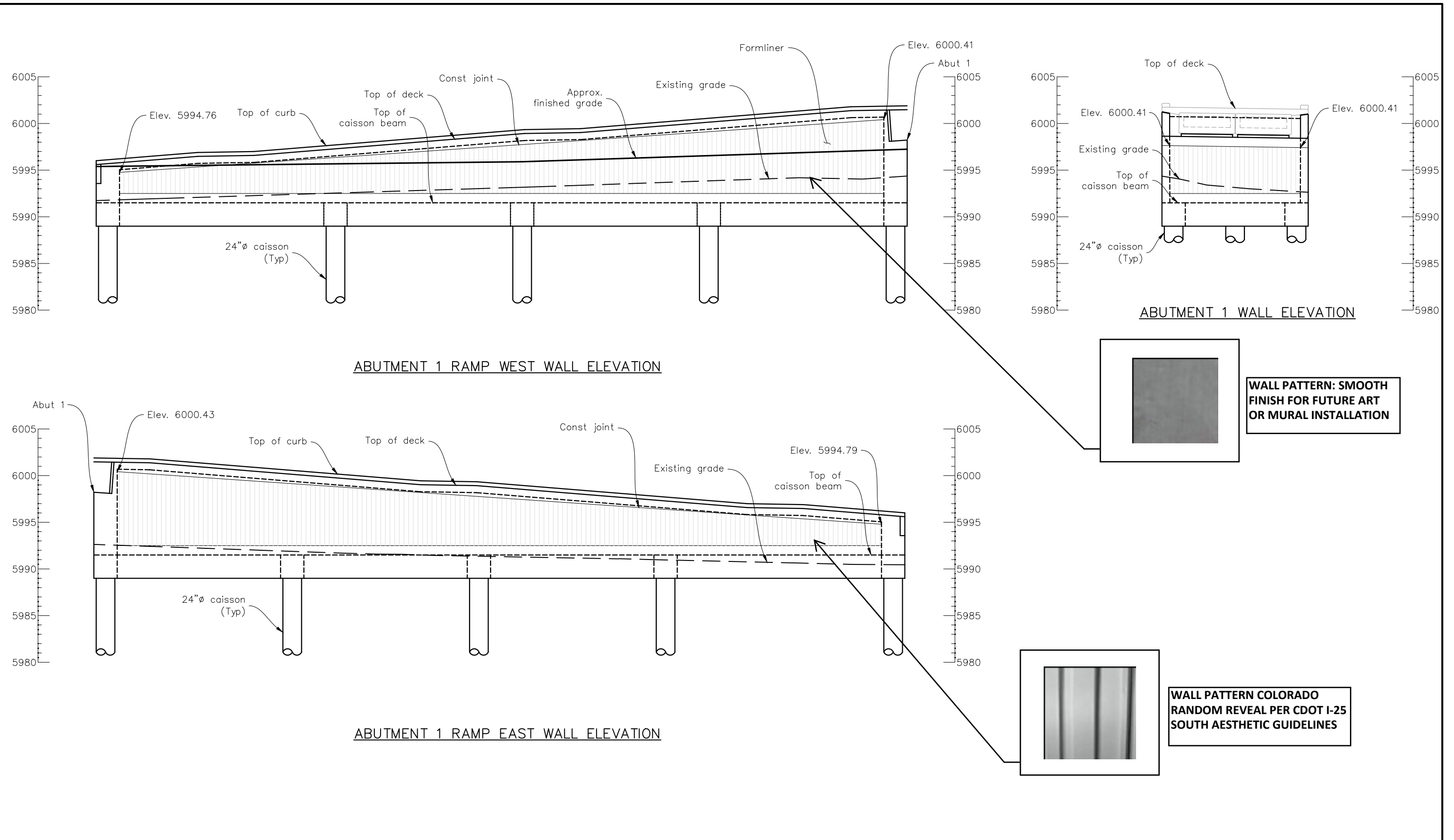
**Colorado Department of Transportation**  
 18500 E. Colfax Ave.  
 Aurora, CO 80111  
 Phone: (303) 746-8639  
  
**Region 1 - South Program** NJB

<b>As Constructed</b>
No Revisions:
Revised:
Void:

**Lone Tree Mobility Hub**  
 Elevation Plan  
**General Layout (2 of 2)**  
 Designer: J. Migliaccio  
 Detailer: J. Migliaccio  
 Sheet Subset: Elev  
 Structure Numbers: F-17-QX  
 Subset Sheets: R04 of XX

<b>Project No./Code</b>
267 0252-499
24278

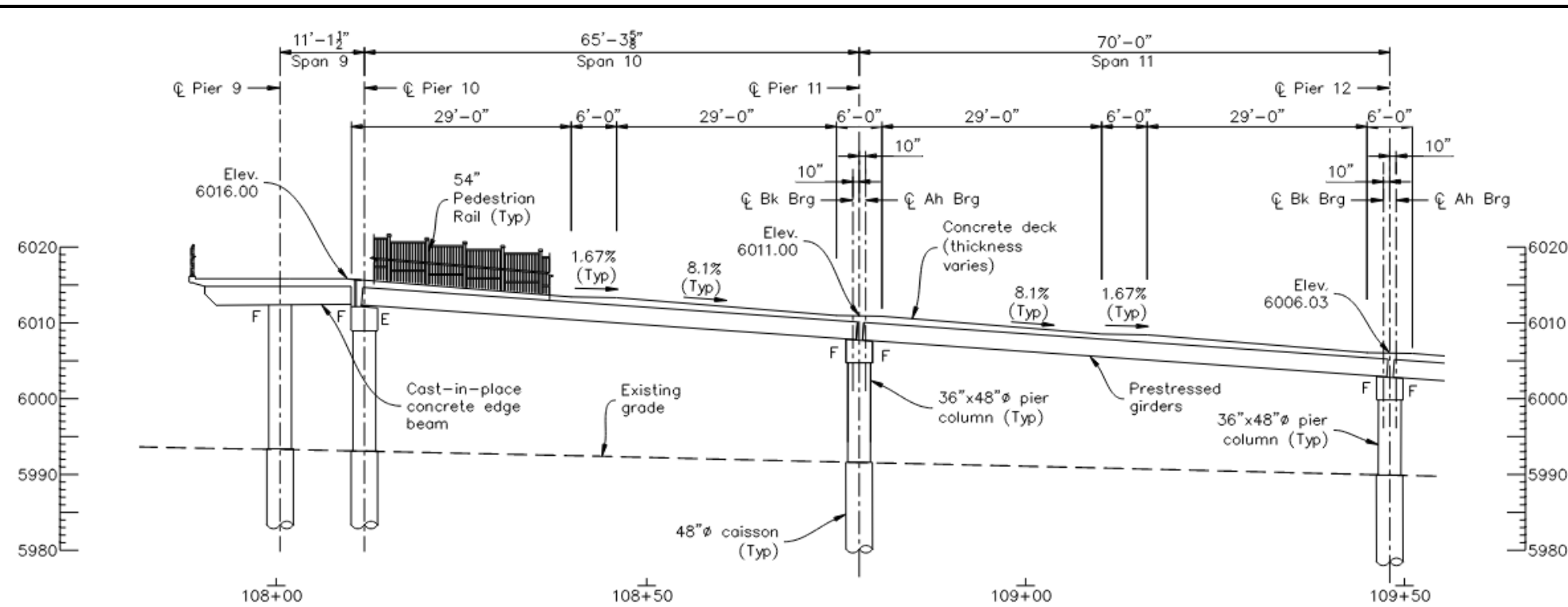
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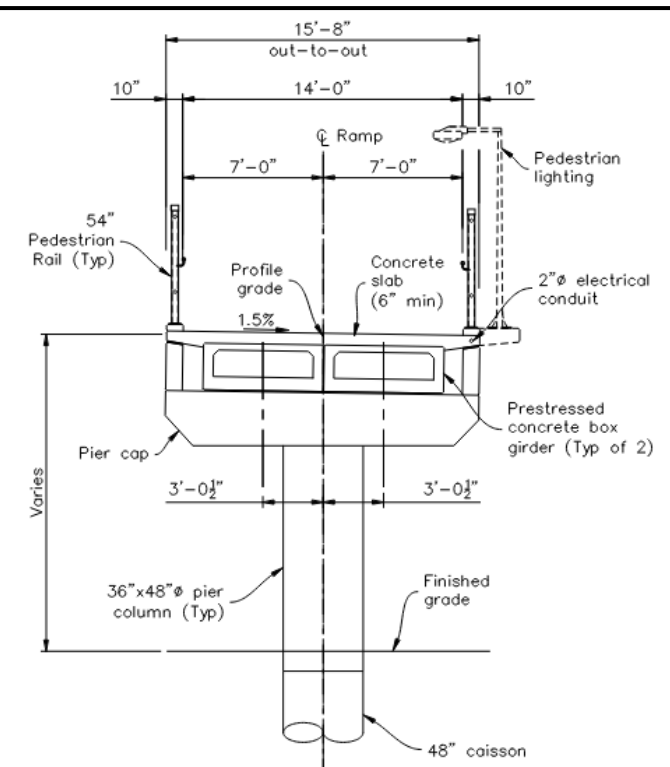
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By						
Checked By						

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	Date:	Comments	Init.																			
<b>San Engineering LLC</b> Civil and Structural Engineering																						

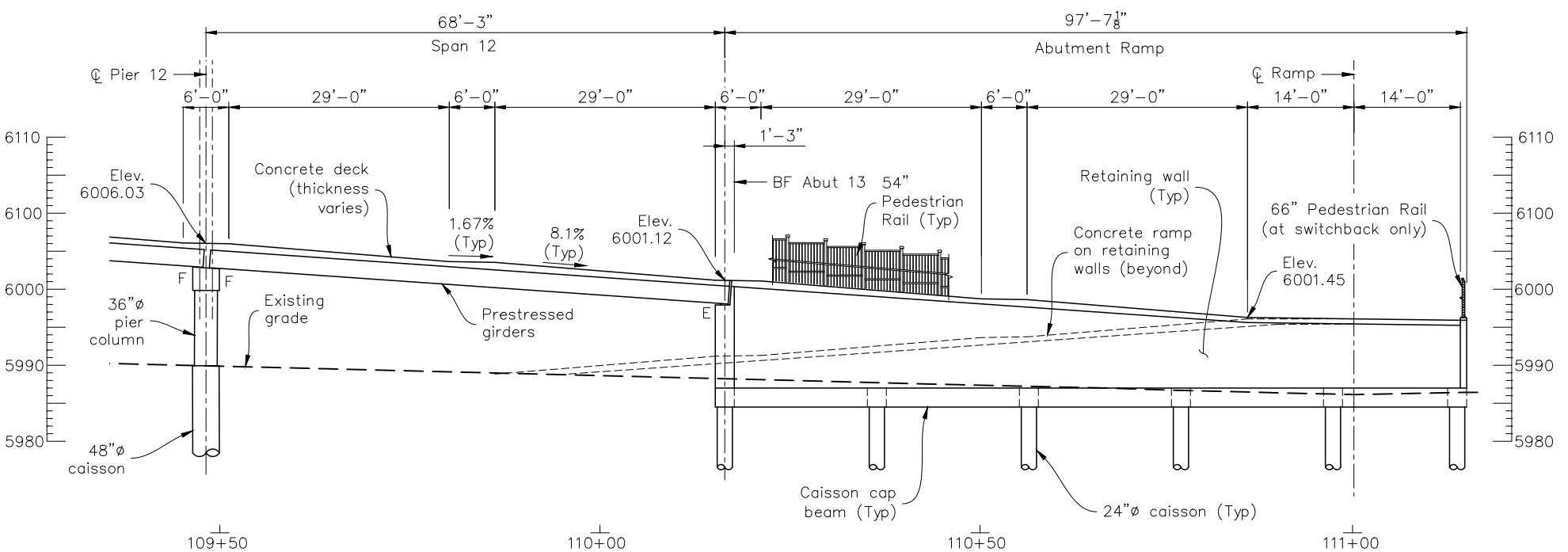
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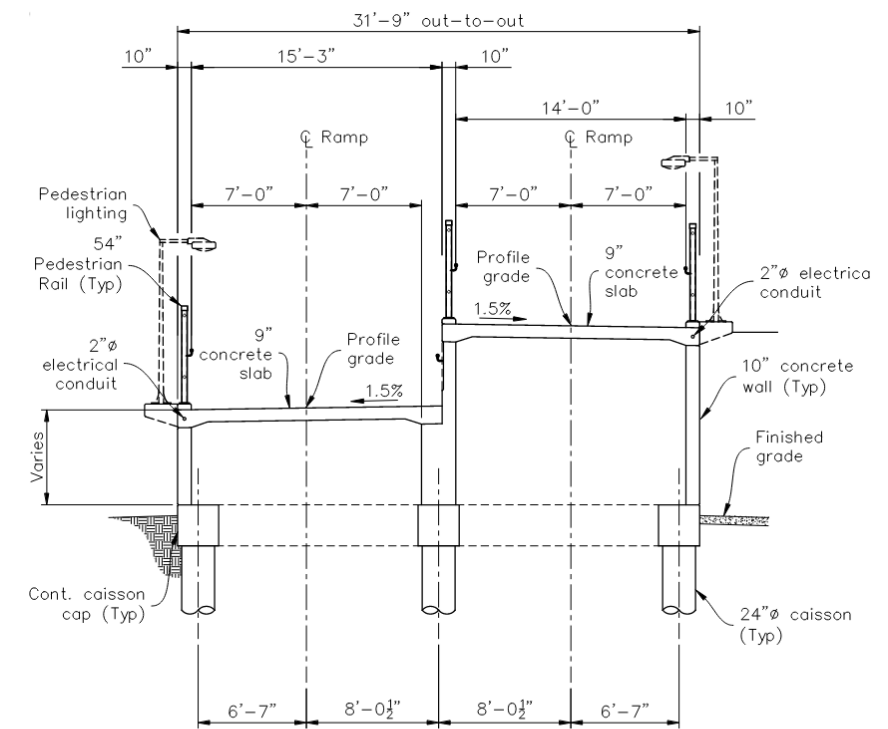
**EAST RAMP SECTION**



**TYPICAL SECTION - SPANS 8, 9, & 10**



**EAST RAMP SECTION**



**TYPICAL SECTION - EAST ABUTMENT RAMP**

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE

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Print Date: 5/10/2024  
 File Name: LTMH East Ramp.dgn  
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 Unit Information JT  
**San Engineering LLC**  
 Civil and Structural Engineering

Sheet Revisions		
Date:	Comments	Init.

**Colorado Department of Transportation**  
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 Aurora, CO 80111  
 Phone: (303) 746-8639

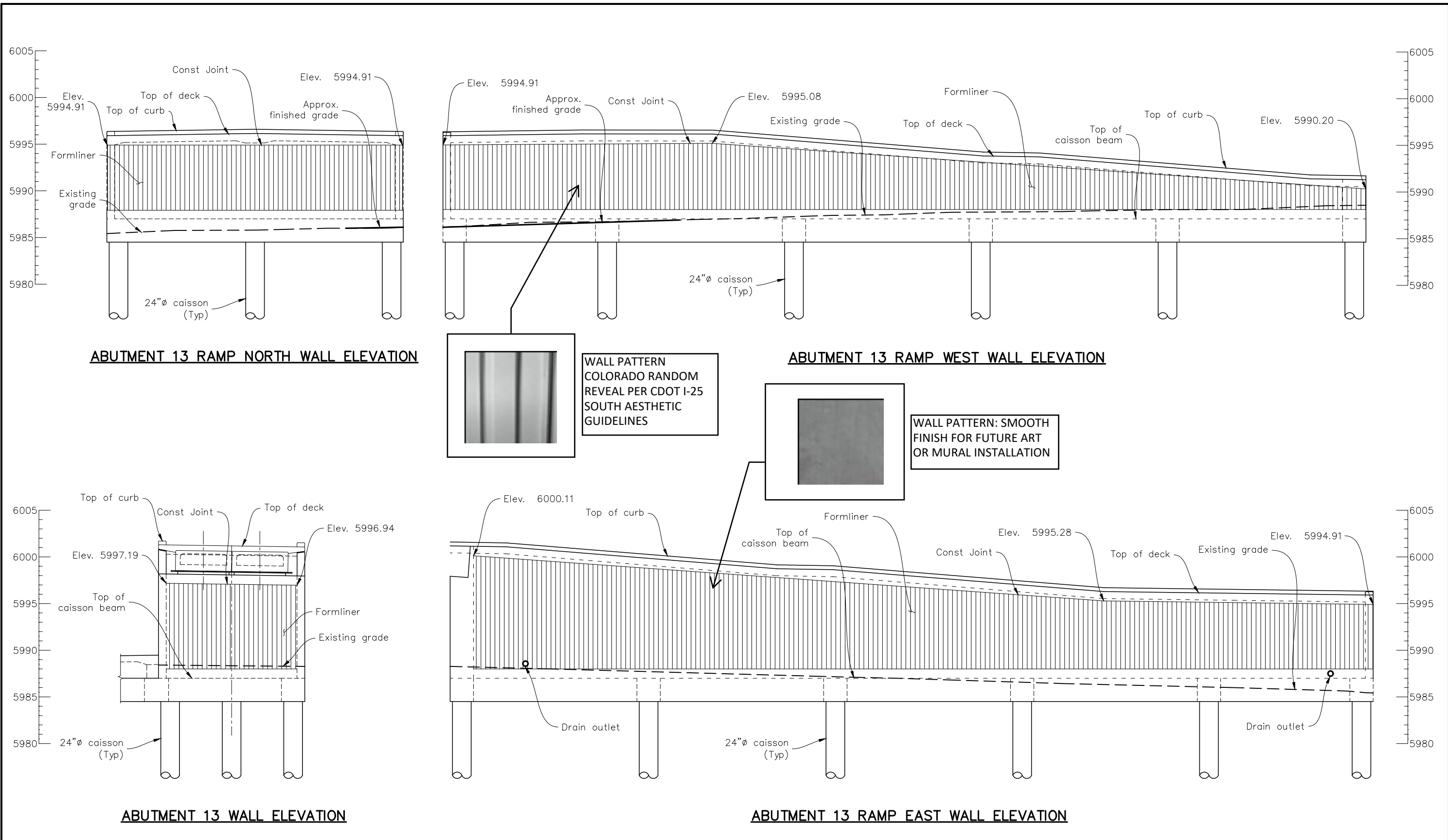
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**As Constructed**  
 No Revisions:  
 Revised:  
 Void:

**Lone Tree Mobility Hub**  
 Elevation Plan  
**General Layout (2 of 2)**

Designer: J. Migliaccio  
 Detailer: J. Migliaccio  
 Sheet Subset: Elev

**Project No./Code**  
 267 0252-499  
 24278  
 Subset Sheets: R49 of XX



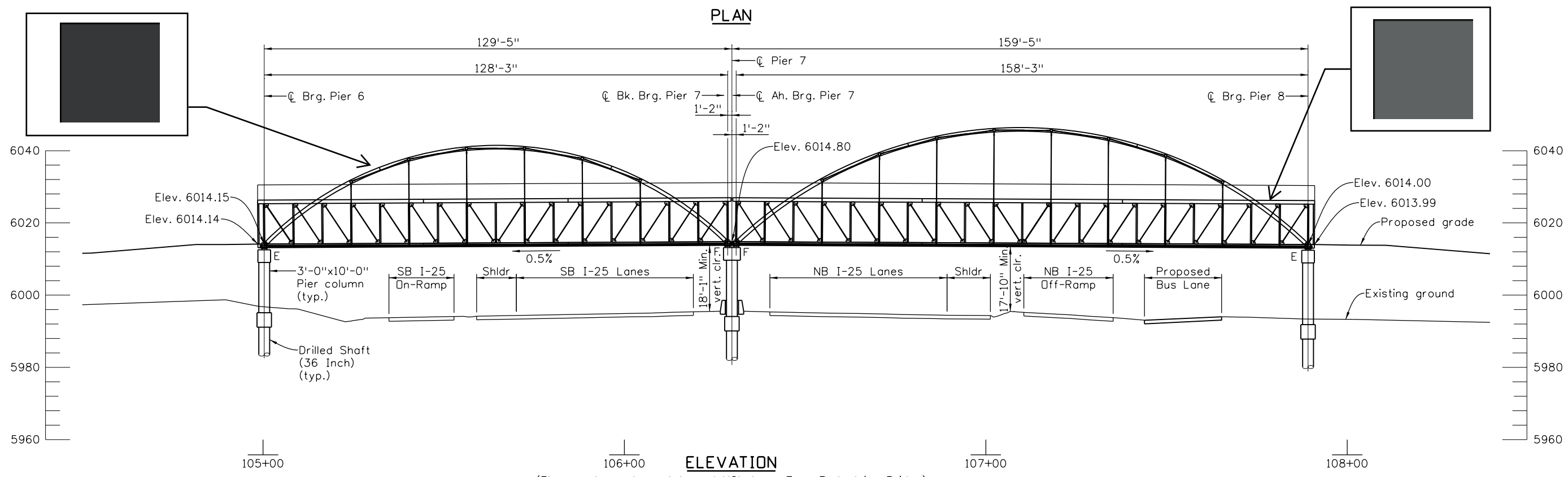
INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

All seals for this set of drawings are applied to the cover page(s)	Print Date: 5/10/2024 File Name: LTMH East Ramp.dgn Horiz. Scale: As Noted    Vert. Scale: As Noted Unit Information: JT	<b>Sheet Revisions</b> <table border="1"> <thead> <tr> <th>Date:</th> <th>Comments</th> <th>Init.</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> </tbody> </table>	Date:	Comments	Init.										<b>Colorado Department of Transportation</b>  18500 E. Colfax Ave. Aurora, CO 80111 Phone: (303) 746-8639 <b>Region 1 – South Program</b>	<b>As Constructed</b> No Revisions: Revised: Void:	<b>Lone Tree Mobility Hub</b> <b>Elevation Plan</b> <b>Abut 13 Ramp Wall Elev</b> Designer: J. Migliaccio Detailer: J. Migliaccio Sheet Subset: Elev	<b>Structure Numbers</b> F-17-QX Subset Sheets: R68 of XX	<b>Project No./Code</b> 267 0252-499 24278
	Date:	Comments	Init.																
 <b>San Engineering LLC</b> Civil and Structural Engineering	<b>Region 1 – South Program</b>	<b>NJB</b>	Sheet Subset: Elev	Subset Sheets: R68 of XX	24278														

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INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
	Designed By					
	Checked By					



All seals for this set of drawings are applied to the cover page(s)

Print Date: 6/11/2024
File Name: 24278-RSH-HW-025A-ST-DR-GNLY.dgn
Horiz. Scale: 1"=XX' Vert. Scale: As Noted
Unit Information JT
<b>RS&amp;H</b>

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

18500 E. Colfax Ave.  
Aurora, CO 80011  
Phone: (303) 746-8639  
Fax: N/A

Region 1-South Program **NB**

As Constructed
No Revisions:
Revised:
Void:

I-25 MOBILITY HUB (LONE TREE) Elevation Plan GENERAL LAYOUT			
Designer:	M. PATTON	Structure Numbers	F-17-QX
Detailer:	M. WELCH	Sheet Subset:	Elev
Sheet Subset: Elev		Subset Sheets:	B03 of 036

Project No./Code	267 0252-499
	24278


24278 - I-25 MOBILITY HUB (SKY RIDGE @ LONE TREE) - FOR - 06/11/2024

24278 - I-25 MOBILITY HUB (SKY RIDGE @ LONE TREE) - FOR - 06/11/2024




INITIALS	DESIGN DATE	DETAIL DATE	QUANTITY DATE
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Checked By			

All seals for this set of drawings are applied to the cover page(s)

Print Date: 6/4/2024
File Name: LTMH West Ramp.dgn
Horiz. Scale: As Noted Vert. Scale: As Noted
Unit Information JT
 <b>San Engineering LLC</b> Civil and Structural Engineering

Sheet Revisions		
Date:	Comments	Init.

**Colorado Department of Transportation**  
 18500 E. Colfax Ave.  
 Aurora, CO 80111  
 Phone: (303) 746-8639

**Region 1 – South Program** NJB

<b>As Constructed</b>
No Revisions:
Revised:
Void:

<b>Lone Tree Mobility Hub CONCEPTUAL RENDERINGS General Information</b>			
Designer:	J. Migliaccio	Structure Numbers	F-17-QX
Detailer:	J. Migliaccio	Sheet Subset:	REND
Sheet Subset: REND		Subset Sheets: RW01 of 50	

<b>Project No./Code</b>
267 0252-499
24278

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VIEW OF PEDESTRIAN BRIDGE ON SOUTHBOUND I-25



VIEW OF PEDESTRIAN BRIDGE FACING NORTHWEST



VIEW OF PEDESTRIAN BRIDGE ON NORTHBOUND I-25



VIEW OF PEDESTRIAN BRIDGE FACING NORTHEAST



VIEW OF PEDESTRIAN BRIDGE FACING SOUTHWEST

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked						
By						

All seals for this set of drawings are applied to the cover page(s)

Print Date: 6/4/2024  
 File Name: LTMH West Ramp.dgn  
 Horiz. Scale: As Noted Vert. Scale: As Noted  
 Unit Information JT



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Colorado Department of Transportation  
 18500 E. Colfax Ave.  
 Aurora, CO 80111  
 Phone: (303) 746-8639

Region 1 – South Program NJB

As Constructed
No Revisions:
Revised:
Void:

Lone Tree Mobility Hub CONCEPTUAL RENDERINGS General Information			
Designer:	J. Migliaccio	Structure Numbers	F-17-QX
Detailer:	J. Migliaccio	Sheet Subset:	REND
Sheet Subset:	REND	Subset Sheets:	RW01 of 50

Project No./Code
267 0252-499
24278

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Proposed project location

Existing light rail and roadway bridge with representative aesthetic details

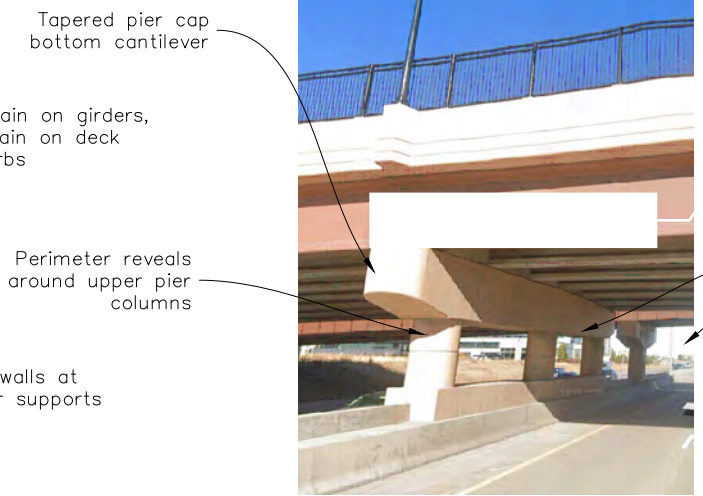
**AESTHETIC DETAILS OF THE NEW MOBILITY HUB STRUCTURE WILL MATCH SKY RIDGE AVE AS SHOWN BELOW**

**PROJECT SITE AND REFERENCE AESTHETICS VICINITY**

Pedestrian Rail (see detail sheets and image beside)  
 Pedestrian lights and corbels outside of rail  
 Cont. chamfer reveals at construction joints



**SKY RIDGE AVE OVER I-25 AESTHETIC DETAILS**



**SKY RIDGE AVE OVER I-25 AESTHETIC DETAILS**



**RAMP Pedestrian Rail STYLE**

Dark stain at wall formliner, light stain at coping and curbs

Dark stain on girders, light stain on deck and curbs

Perimeter reveals around upper pier columns

Cheek walls at exterior supports

Tapered pier cap bottom cantilever

Galvanized steel rub rail

Oblong pier column shape

6" concrete curb

Post caps at each post

Round pipe posts and rails, black coating

Vertical picket members @ 5" (+/-)

INITIALS	DESIGN DATE	DETAIL DATE	QUANTITY DATE
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Checked By			

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File Name: LTMH West Ramp.dgn
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Unit Information JT
San Engineering LLC Civil and Structural Engineering

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 18500 E. Colfax Ave.  
 Aurora, CO 80111  
 Phone: (303) 746-8639

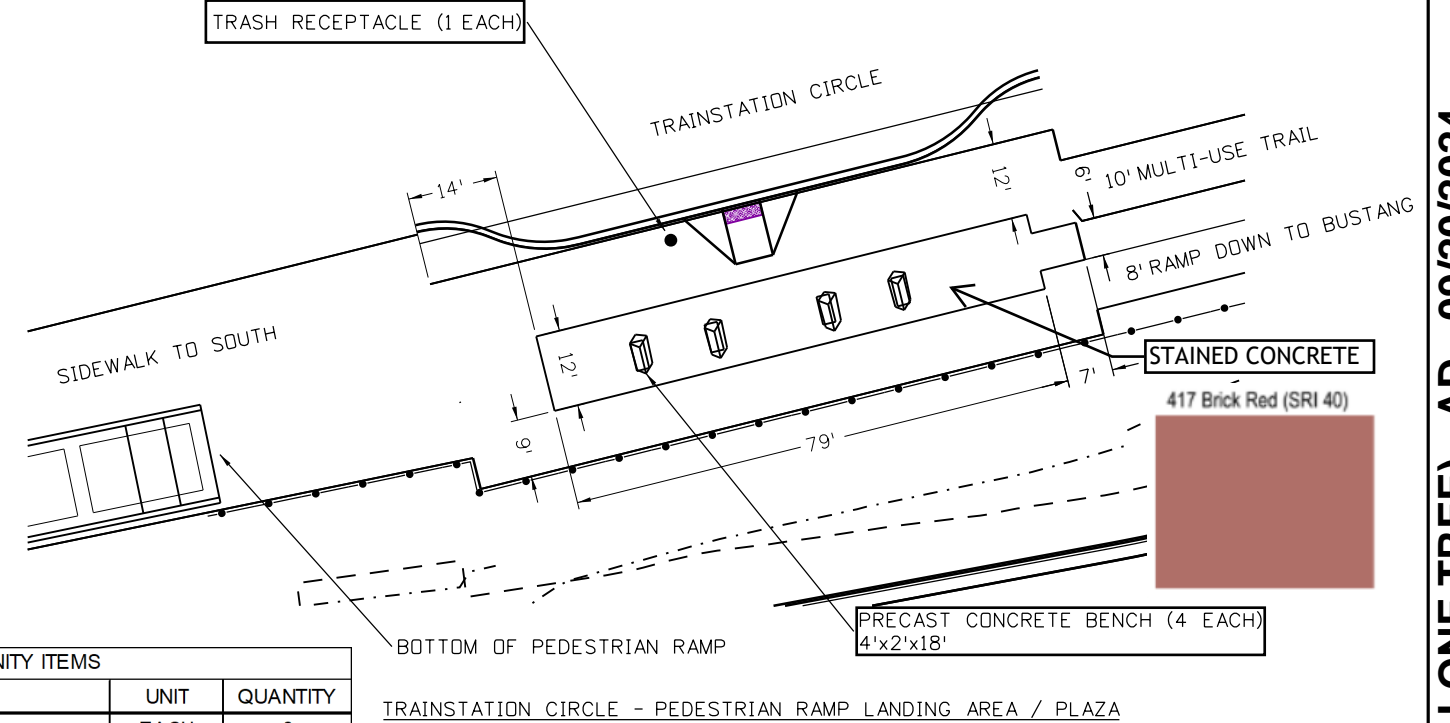
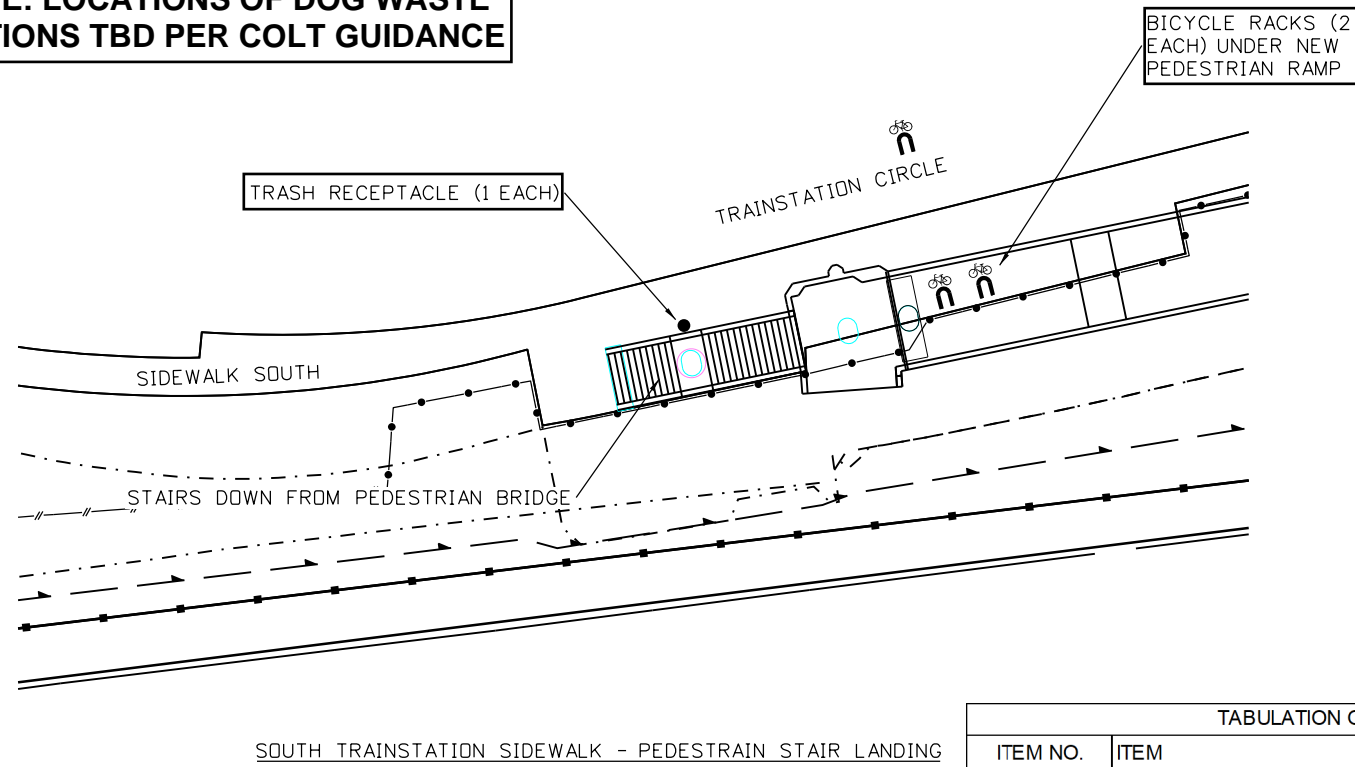
**Region 1 - South Program NJB**

<b>As Constructed</b>
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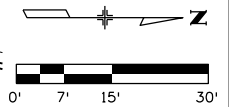
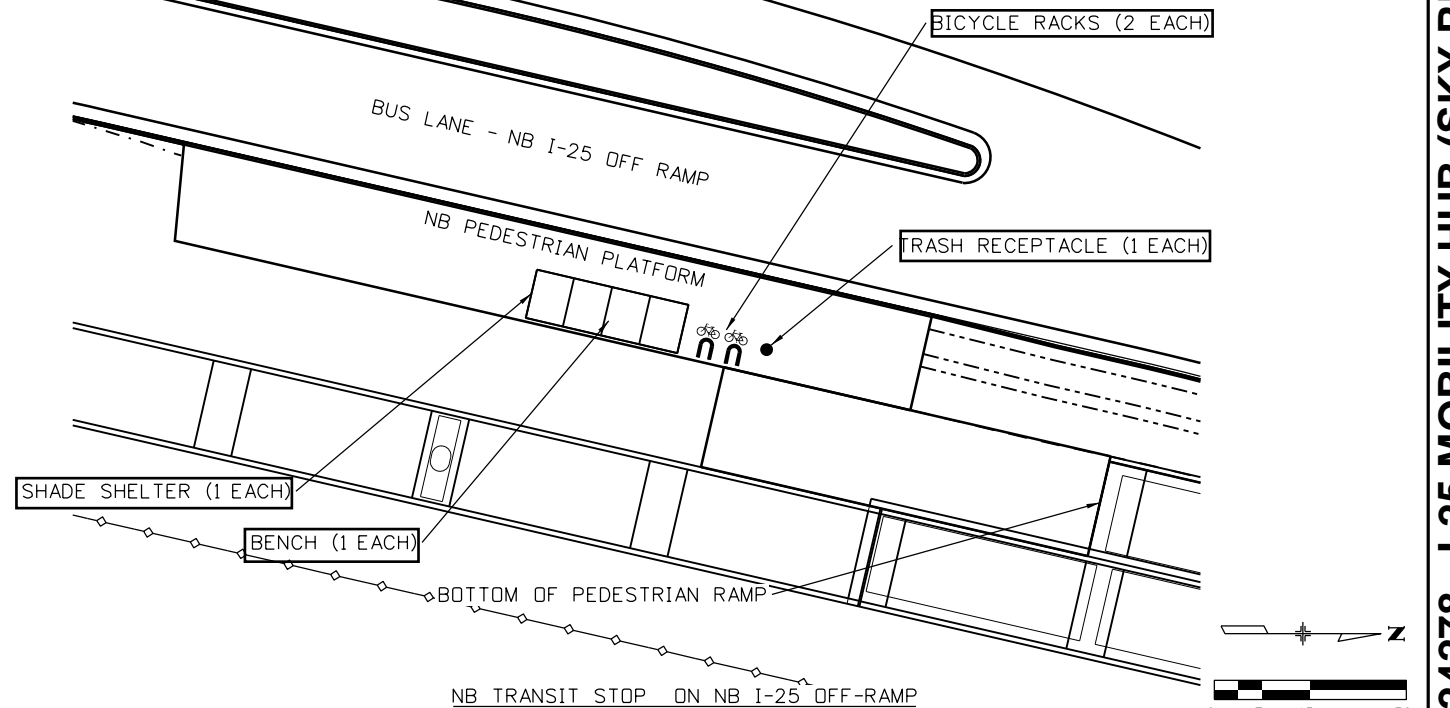
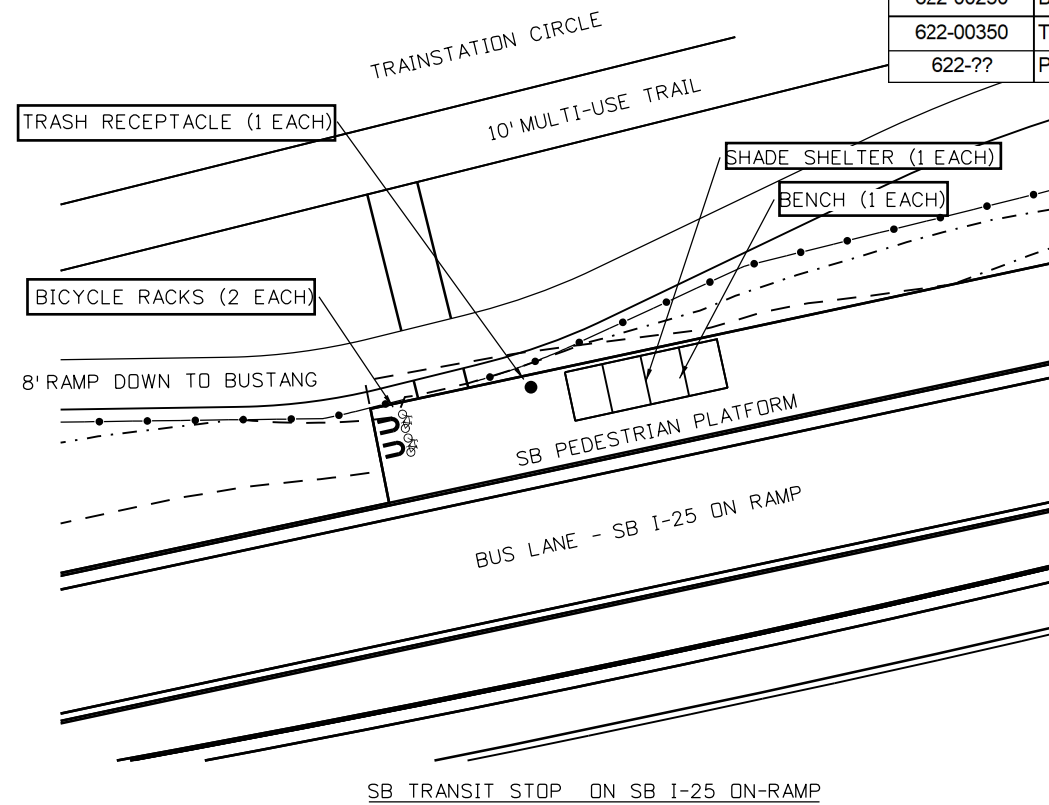
<b>Lone Tree Mobility Hub CONCEPTUAL RENDERINGS Ramp Aesthetics Images</b>			
Designer: J. Migliaccio	Structure Numbers	F-17-QX	Project No./Code 267 0252-499 24278
Detailer: J. Migliaccio	Sheet Subset: REND	Subset Sheets: RW50 of 50	

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**NOTE: LOCATIONS OF DOG WASTE STATIONS TBD PER COLT GUIDANCE**



TABULATION OF AMENITY ITEMS			
ITEM NO.	ITEM	UNIT	QUANTITY
622-00010	BICYCLE RACK	EACH	6
622-00100	SHADE SHELTER	EACH	2
622-00250	BENCH	EACH	2
622-00350	TRASH RECEPTACLE	EACH	4
622-??	PRECAST CONCRETE BENCH	EACH	4



All seals for this set of drawings are applied to the cover page(s)

Print Date: 9/9/2024  
 File Name: 24278-RSH-HW-025A-RD-DR-AMEN.dgn  
 Horiz. Scale: 1"=XX' Vert. Scale: As Noted  
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**RS&H**

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation  
 18500 E. Colfax Ave.  
 Aurora, CO 80011  
 Phone: (303) 746-8639  
 Fax: N/A  
**Region 1-South Program NJB**

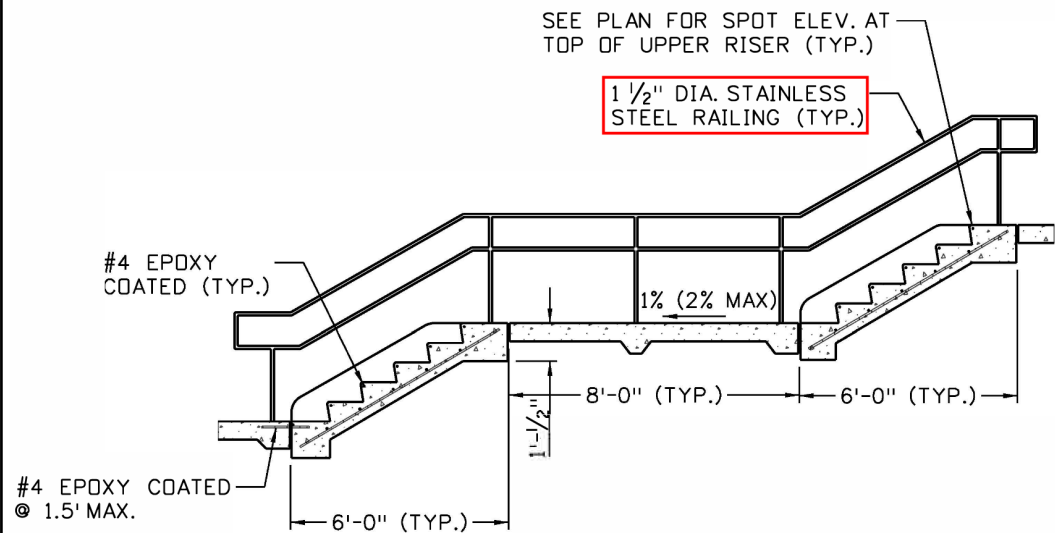
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 Revised:  
 Void:

**I-25 MOBILITY HUB (LONE TREE) SITE DETAILS**  
 Designer: DW  
 Detailer: EC  
 Sheet Subset: SITE DTL  
 Structure Numbers: X-XX-XX  
 Subset Sheets: 1 of 001

Project No./Code  
 267 0252-499  
 24278  
 Sheet Number

24278 - I-25 MOBILITY HUB (SKY RIDGE AT LONE TREE) - AD - 09/20/2024

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**STAIR/RAILING ELEVATION DETAIL**



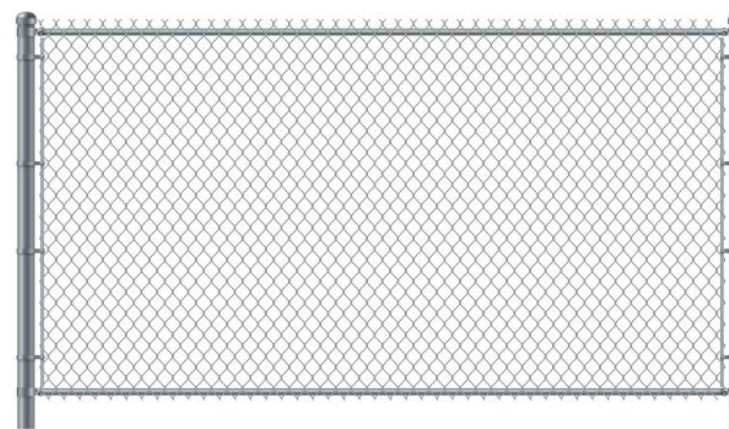
**DOG WASTE STATION EXAMPLE**



**CONCRETE BENCH DETAIL**



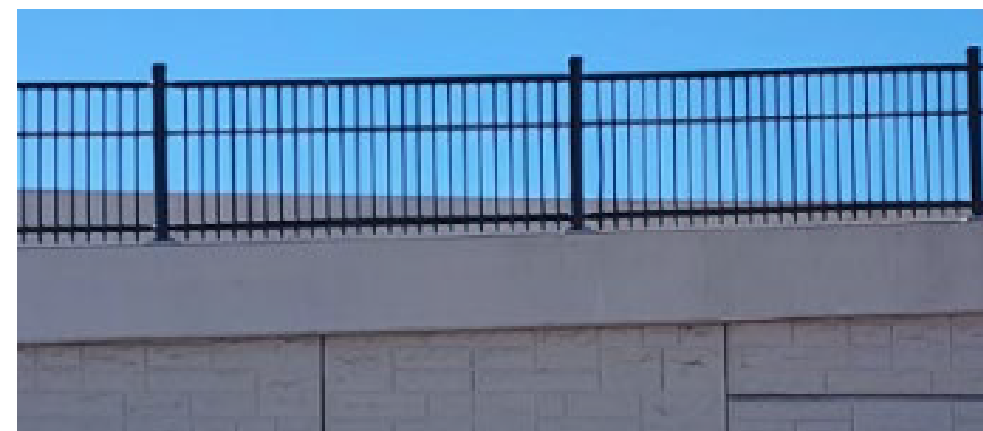
**ROCK MULCH EXAMPLE**



**CHAIN LINK FENCE EXAMPLE**



**MEDIAN COVER MATERIAL EXAMPLE**

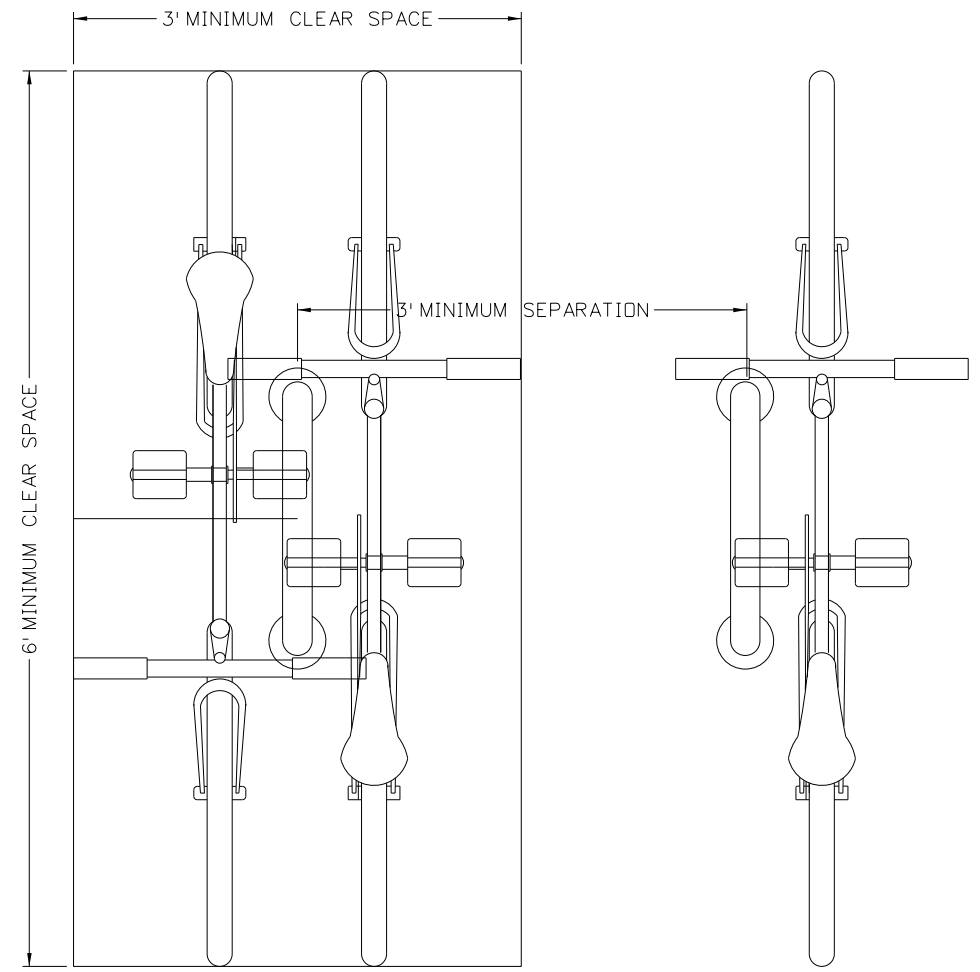
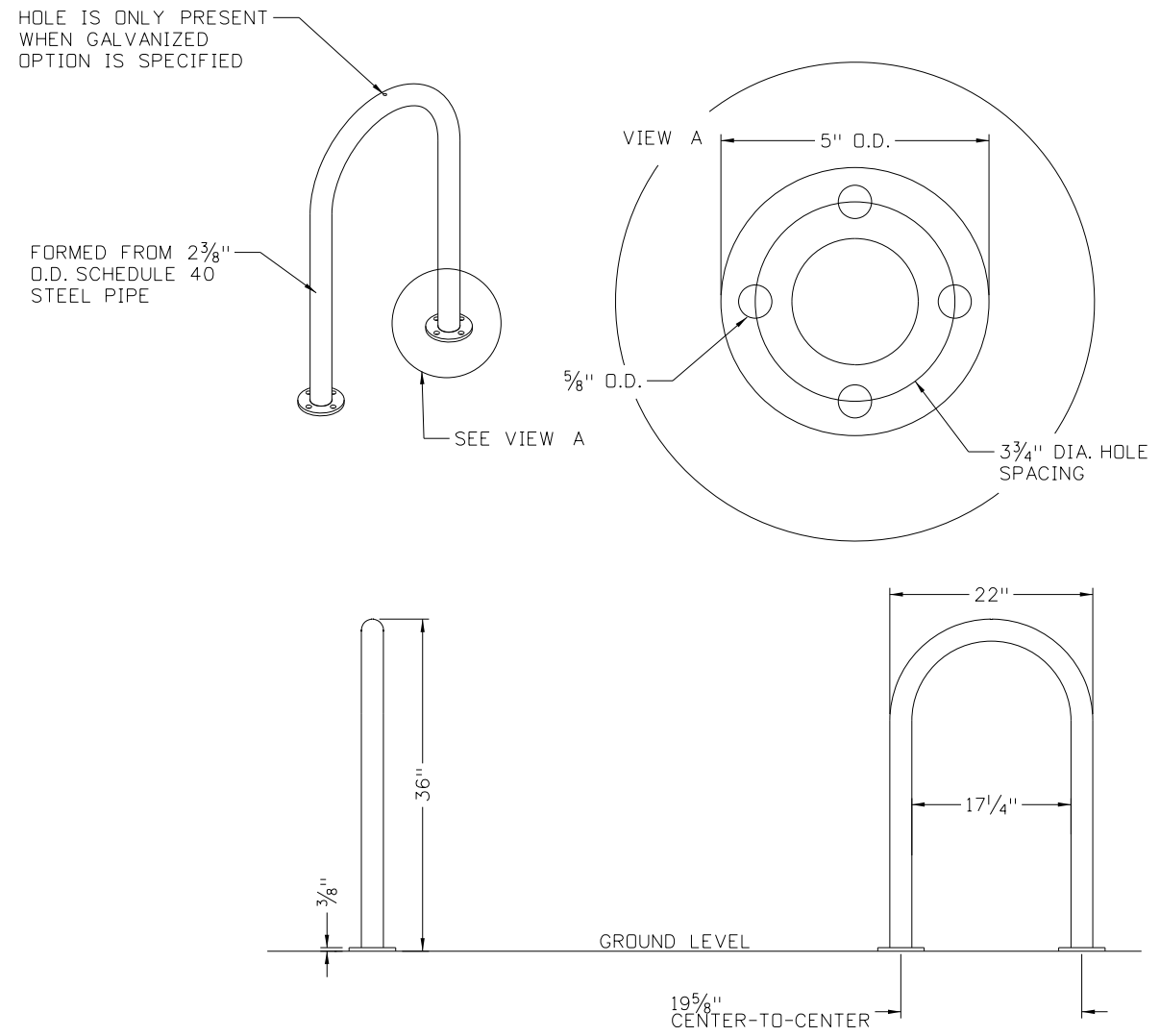


**STEEL PICKET FENCE EXAMPLE**

All seals for this set of drawings are applied to the cover page(s)	Print Date: 6/11/2024	Sheet Revisions			Colorado Department of Transportation  18500 E. Colfax Ave. Aurora, CO 80011 Phone: (303) 746-8639 Fax: N/A Region 1-South Program	As Constructed	I-25 MOBILITY HUB (LONE TREE)			Project No./Code
	File Name: 24278-RSH-HW-025A-RD-DR-PLAN.dgn	Date:	Comments	Init.		No Revisions:	SITE DETAILS			
	Horiz. Scale: 1"=50' Vert. Scale: As Noted					Revised:	Designer: PB	Structure	X-XX-XX	24278
	Unit Information JT					Void:	Detailer: EC	Numbers	X-XX-XX	
						Sheet Subset: SITE DTL	Subset Sheets: 3 of 009			


24278 - I-25 MOBILITY HUB (SKY RIDGE @ LONE TREE) - FOR - 06/11/2024

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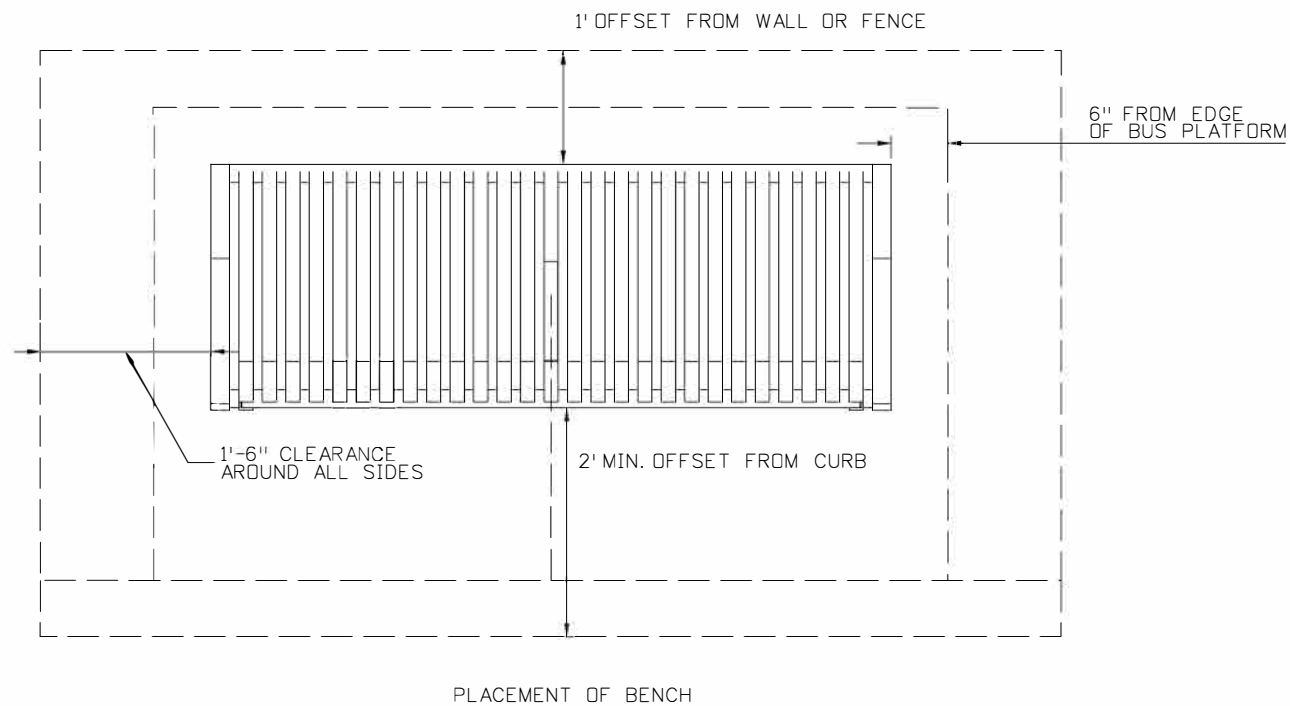
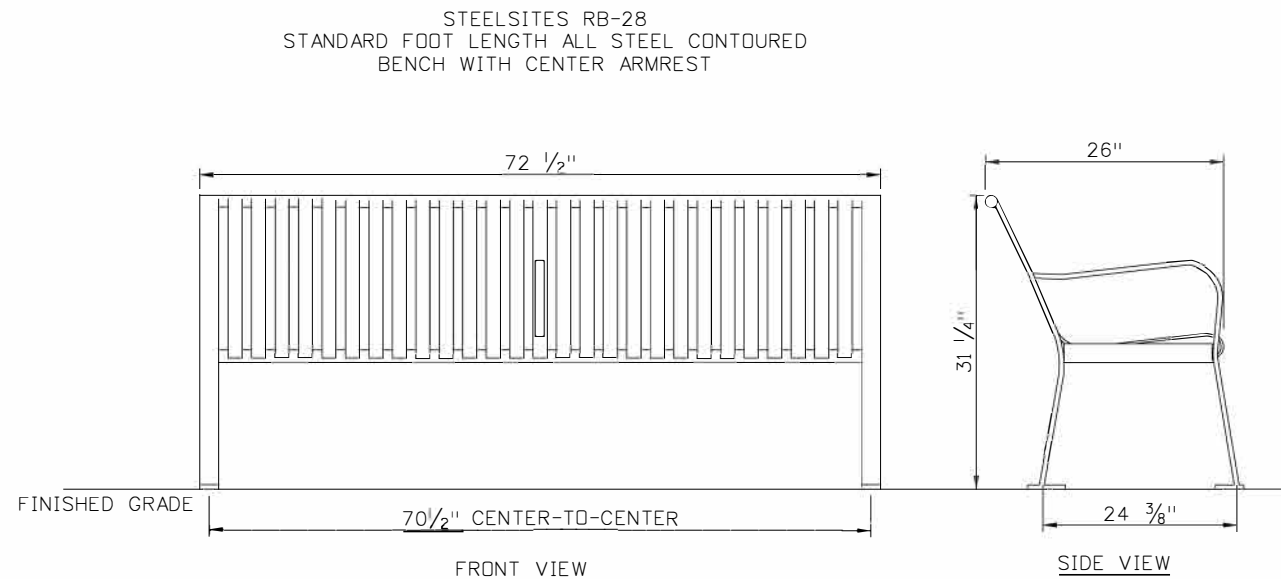


- NOTES:**
1. BASIS OF DESIGN SHOWN IS VICTOR STANLEY SECURE SITE DESIGN COLLECTION. THIS DESIGN OR APPROVED EQUAL IS PERMITTED.
  2. MINIMUM PAD THICKNESS FOR SURFACE MOUNTING IS 6".
  3. MOUNTING: STANDARD SURFACE MOUNTING (AS SHOWN) AND IN-GROUND OPTIONS ARE AVAILABLE.
  4. ANCHOR BOLTS SHALL NOT BE INSTALLED WITHIN 6" OF THE EDGE OF THE CONCRETE PAD. ANCHOR BOLTS ARE NOT INCLUDED WITH THE VICTOR STANLEY DESIGN SHOWN HERE.
  5. BIKE RACKS SHALL BE INSTALLED A MINIMUM OF 2' FROM THE FACE OF CURB.
  6. POWDER COATING IS TO BE RAL COLOR 6012 BLACK GREEN, GALVANIZED OR STAINLESS STEEL.
  7. THIS PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CHECK LOCAL CODES FOR REGULATIONS.
  8. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PREHEATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
  9. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
  10. DESIGN AND MANUFACTURER SHALL BE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC).
  11. INVERTED-U SHAPE SHALL BE FORMED FROM ONE SEGMENT OF STEEL PIPE USING METHODOLOGY THAT MAINTAINS THE STRUCTURAL INTERGRITY OF THE STEEL PIPE.

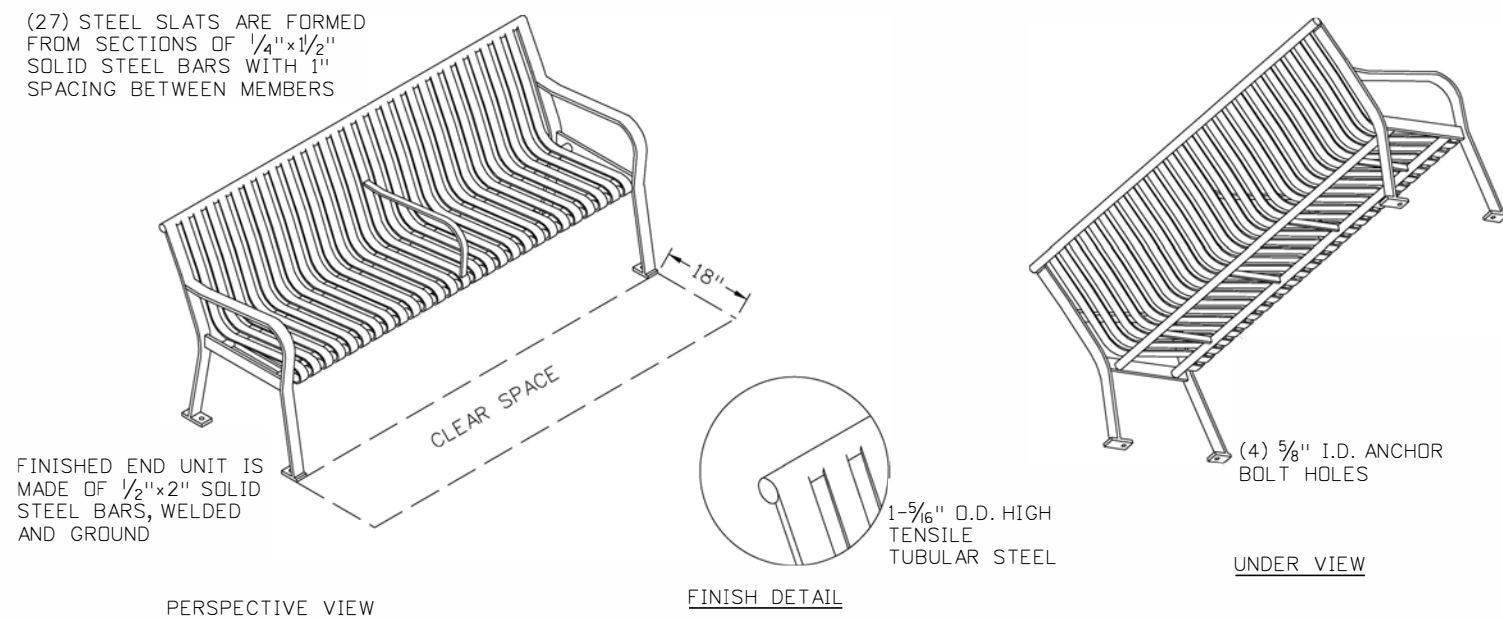
**BIKE RACK INSTALLATION DETAIL**

<b>Computer File Information</b> Print Date: 6/6/2024 File Name: 60699717-06_MH DTR_BIKE_rack_U_rack-SHT 1.DGN		<b>Sheet Revisions</b> <table border="1"> <thead> <tr> <th>Date:</th> <th>Comments</th> </tr> </thead> <tbody> <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>		Date:	Comments									<b>Colorado Department of Transportation</b>  2829 West Howard Place CDOT HQ, 3rd Floor Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868 <b>DIVISION OF TRANSIT &amp; RAIL</b>		<b>STANDARD PLAN NO.</b> <b>MOBILITY HUBS DRAFT</b> PLAN 4-1 DRAFT - MOBILITY HUB STANDARDS DEVELOPED 2024	
Date:	Comments																
Detailer Initials: CAD Ver.: OPENROADS Scale: Not to Scale Units: English		<table border="1"> <tr> <td>(R-X)</td> <td> </td> </tr> <tr> <td>(R-X)</td> <td> </td> </tr> <tr> <td>(R-X)</td> <td> </td> </tr> <tr> <td>(R-X)</td> <td> </td> </tr> </table>		(R-X)		(R-X)		(R-X)		(R-X)		<b>BIKE RACK DETAILS</b>		DRAFT - MOBILITY HUB STANDARDS DEVELOPED 2024			
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(27) STEEL SLATS ARE FORMED FROM SECTIONS OF 1/4"x1/2" SOLID STEEL BARS WITH 1" SPACING BETWEEN MEMBERS



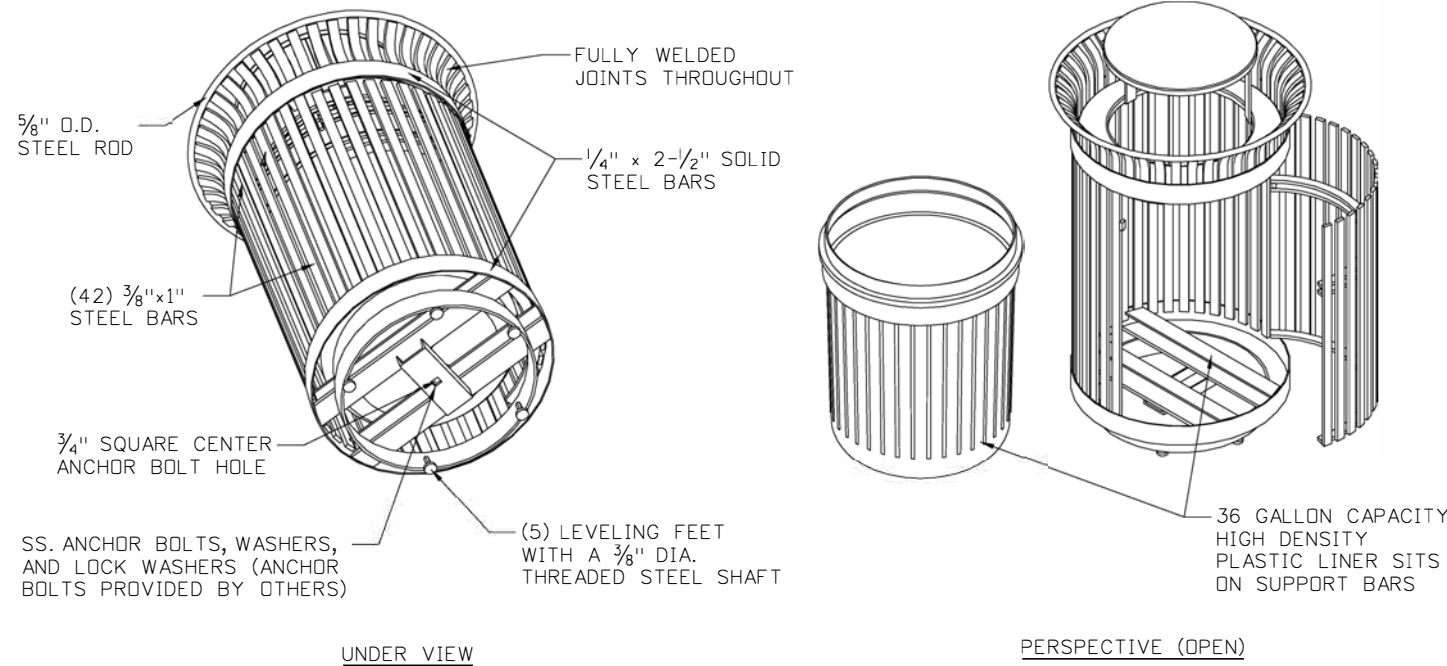
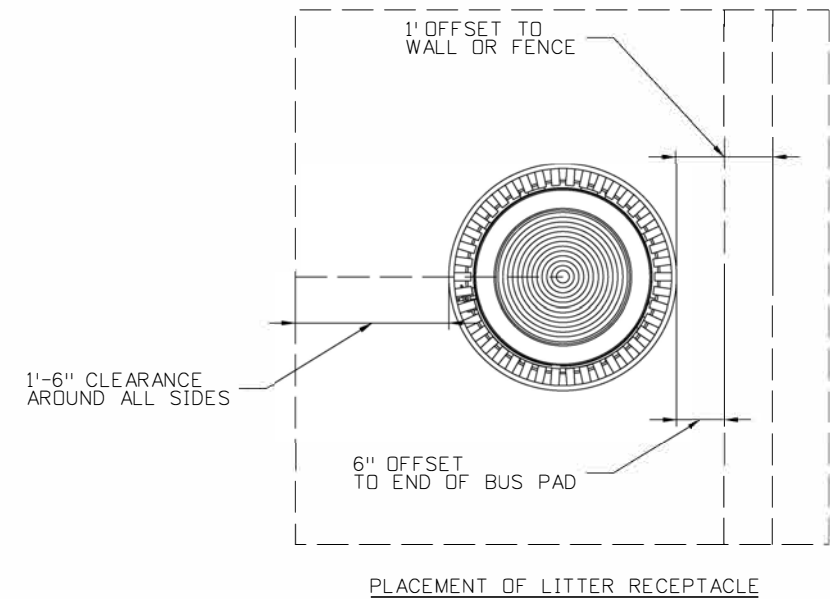
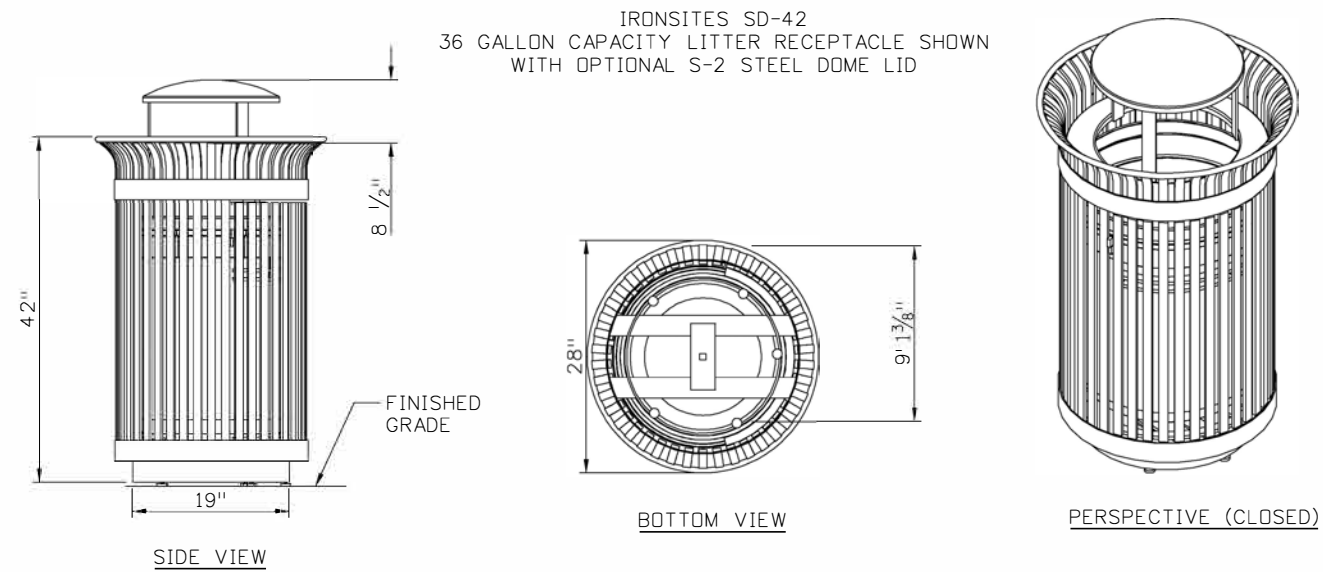
MULTIPLE VIEWS - BENCH

NOTES:

1. BASIS OF DESIGN SHOWN IS VICTOR STANLEY STEELSITES RB COLLECTION. THIS DESIGN OR APPROVED EQUAL IS PERMITTED.
2. MINIMUM PAD THICKNESS FOR SURFACE MOUNTING IS 6".
3. ANCHOR BOLTS SHALL NOT BE INSTALLED WITHIN 6" OF THE EDGE OF THE CONCRETE PAD.
4. CLEAR ZONE OF 1.5' IN FRONT OF THE BENCH MUST BE CLEAR OF ALL OBSTRUCTIONS.
5. CLEARANCE OF 3' SHALL BE MAINTAINED BETWEEN FURNITURE/FIXTURES.
6. BENCH SHALL HAVE A MINIMUM OFFSET OF 2' FROM FACE OF CURB.
7. BENCHES SHALL BE OFFSET A MINIMUM OF 12" WHEN DIRECTLY ADJACENT TO A BUILDING, WALL, BARRIER, OR SOLID FENCE TO PERMIT TRASH AND SNOW REMOVAL.
8. 6' BENCH LENGTH SHOWN. OTHER STANDARD LENGTHS (4' OR 8') AVAILABLE AND MAY BE PERMITTED IF APPROVED.
9. POWDER COATING IS TO BE RAL COLOR XXX.
10. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
11. THIS PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT LOCAL CODES FOR REGULATIONS.
12. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.

Computer File Information		Sheet Revisions		Colorado Department of Transportation 2829 West Howard Place CDDT HQ, 3rd Floor Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868	BENCH	STANDARD PLAN NO.
Print Date: 6/6/2024	File Name: 60699717-19_MH DTR_PED_bench.dgn	Date:	Comments:			MOBILITY HUBS DRAFT
Detailer Initials:						PLAN 7-6
CAD Ver.: OPENROADS	Scale: Not to Scale	Units: English				DRAFT - MOBILITY HUB STANDARDS DEVELOPED 2024

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MULTIPLE VIEWS - LITTER RECEPTACLE

NOTES:

1. BASIS OF DESIGN SHOWN IS VICTOR STANLEY IRONSITES COLLECTION. THIS DESIGN OR APPROVED EQUAL IS PERMITTED.
2. MINIMUM PAD THICKNESS FOR SURFACE MOUNTING IS 6".
3. ANCHOR BOLTS SHALL NOT BE INSTALLED WITHIN 6" OF THE EDGE OF THE CONCRETE PAD.
4. TRASH RECEPTACLES SHALL HAVE A MINIMUM OFFSET OF 2' FROM FACE OF CURB.
5. TRASH RECEPTACLES SHALL BE OFFSET A MINIMUM OF 12" WHEN DIRECTLY ADJACENT TO A BUILDING, WALL, BARRIER, OR SOLID FENCE.
6. LID SHALL BE STANDARD TAPERED FORMED LID. AVAILABLE WITH OPTIONAL DOME LID.
7. OIL IMPREGNATED BRONZE BUSHINGS AND STAINLESS STEEL PIVOT PINS FOR DOOR MOVEMENT, STANDARD 3/16" SOLID STEEL LATCH ASSEMBLY OR OPTIONAL PATENTED STAINLESS STEEL KEYED LOCK ASSEMBLY.
8. POWDER COATING IS TO BE RAL COLOR XXX.
9. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
10. PLASTIC INNER LINERS ARE MOLDED ON TOOLING DESIGNED FOR AND OWNED BY VICTOR STANLEY, INC. THEY OFFER MAXIMUM CAPACITY AND STRENGTH WITH LIGHTWEIGHT CONSTRUCTION USING CRITICAL MOLDED RIBS, INTEGRAL HANDHOLDS, AND HIGH-STRENGTH MATERIALS. THIS MINIMIZES HANDLING DIFFICULTY AND FACILITATES EASY EMPTYING AND STORAGE WHILE AFFORDING LONG SERVICE LIFE.
11. FOR HIGH SALT ABUSIVE CLIMATES, HOT-DIP GALVANIZING INCLUDES AN AGGRESSIVE PRE-TREATMENT AND IMMERSION IN A TANK OF CHARGED LIQUID ZINC AT OR AROUND 860°F (460°C). THE RESULTING SURFACE IS RESISTANT TO RUST BUT HAS SOME UNEVENNESS RESULTING FROM THE BONDING OF THE ZINC TO THE STEEL SURFACE. AS A RESULT, THE POWDER-COATING SURFACE FINISH OVER THAT GALVANIZED SURFACE MAY EXHIBIT BUMPS, UNEVENNESS, AND MAY NOT BE AS SMOOTH AS THE STANDARD FINISH; THIS UNEVEN AND INCONSISTENT FINISH IS NORMAL FOR GALVANIZING. CONTACT MANUFACTURER FOR DETAILS.
12. THIS PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT LOCAL CODES FOR REGULATIONS.
13. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.

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Print Date: 6/6/2024		Date:	Comments	2829 West Howard Place CDDT HQ, 3rd Floor Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868		MOBILITY HUBS DRAFT	
File Name: 60699717-20_MH DTR_PED_trash.dgn		(R-X)				TRASH RECEPTACLE	
Detailer Initials:		(R-X)		DIVISION OF TRANSIT & RAIL		PLAN 7-7	
CAD Ver.: OPENROADS Scale: Not to Scale Units: English		(R-X)				DRAFT - MOBILITY HUB STANDARDS DEVELOPED 2024	