

PoDI / NHS

FHWA PROJECT OF DIVISION INTEREST (PoDI)? NO YES

NATIONAL HIGHWAY SYSTEM? NO YES

DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

**HIGHWAY CONSTRUCTION BID PLANS OF PROPOSED
FEDERAL AID PROJECT NO. 25354
STATE HIGHWAY NO. 285
COUNTY
CONSTRUCTION PROJECT CODE NO. 25354**

Related Projects:
P. E. UNDER PROJECT:
Project Number: STA 2854-155
Project Code: 25354

R.O.W. Projects:
R.O.W. Project Description
XXXXXXXXXXXXXXXXXX

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All seals for this set of drawings are applied to the cover page(s)	Print Date: 1/3/2023		Sheet Revisions			Colorado Department of Transportation 5615 Wills Blvd, Suite A Pueblo CO, 81008 Phone: 719-546-5734 Fax: 719-546-5414 Region 2	As Constructed	Cover Page		Project No./Code
	File Name: 25354_General Sheets.dgn		Date:	Comments	Init.		No Revisions:	Contractor:		STA 2854-155
	Horiz. Scale: 1=1 Vert. Scale: As Noted						Revised:	Resident Engineer: Pepper Whittlef		25354
	Unit Information PKW						Void:	Project Engineer: Adam Lancaster		Cover Page 1
						PROJECT STARTED: / / ACCEPTED: / /				
						Comments:				

PoDI / NHS

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NATIONAL HIGHWAY SYSTEM? NO YES

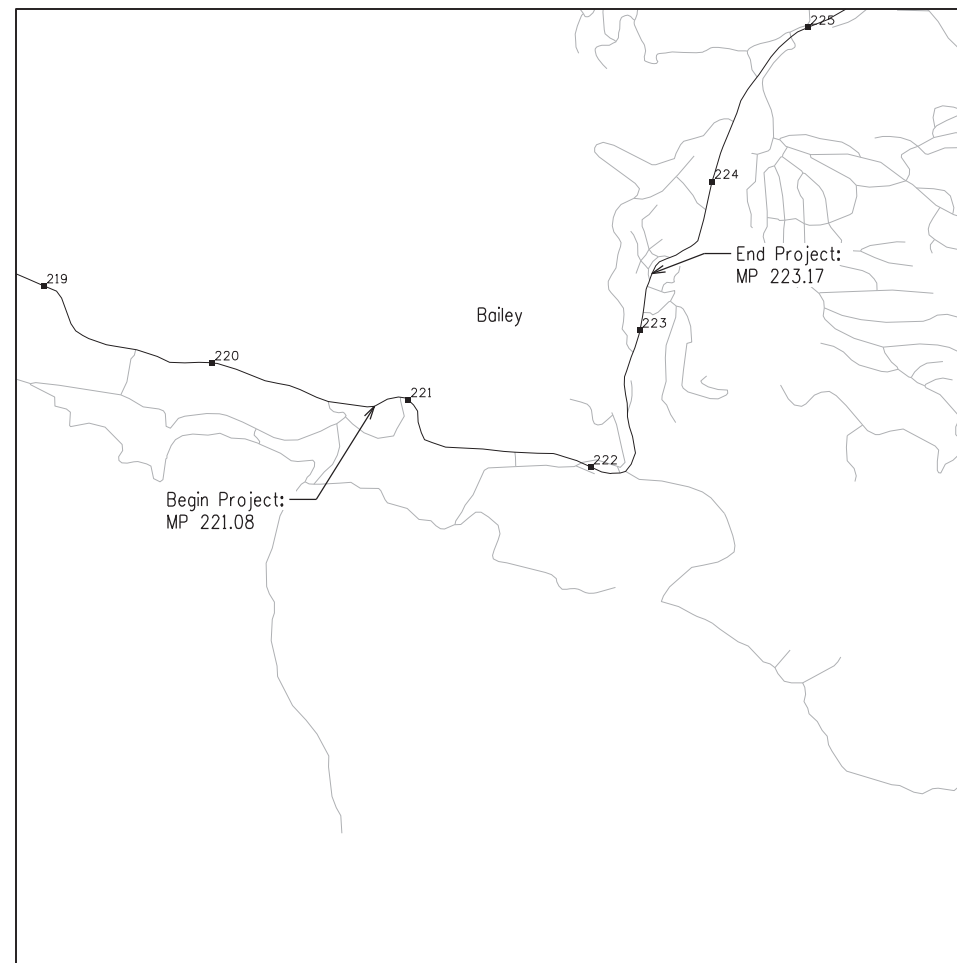
DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

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HIGHWAY CONSTRUCTION BID PLANS OF PROPOSED FEDERAL AID PROJECT NO. STA 2854-155 STATE HIGHWAY NO. 285 PARK COUNTY CONSTRUCTION PROJECT CODE NO. 25354

TABULATION OF LENGTH & DESIGN DATA	
	FEET
STATION	US 285 Bailey Saftey Improvement Project
BEGIN M.P 221.80 US285D	
END M.P 223.10 US285D	
TOTAL	6,864
PROJECT GROSS LENGTH (MILES)	1.3
DESIGN DATA	US 285 Bailey Saftey Improvement Project
POSTED SPEED LIMIT (MPH)	40
2043 DESIGN TRAFFIC AADT*	11,450
DHV TRUCK %*	8.70%
*MAIN ROAD	



PROJECT LOCATION MAP

SHEET NO.	INDEX OF SHEETS
1	COVER SHEET
2	TITLE SHEET
3	STANDARD PLANS LIST SHEET
4-5	SUMMARY OF APPROXIMATE QUANTITIES
6-9	GENERAL NOTES
10	TABULATION OF TRAFFIC CONTROL ITEMS
11-13	TYPICAL SECTIONS
14	TABULATION OF REMOVALS/RESETS
15-16	REMOVAL PLAN
17	MEDIAN/GUARDRAIL TABULATION
18-20	MEDIAN/GUARDRAIL PLAN
21	ROADWAY PAVING PLAN
22-23	SIGNING TABULATION
24	STRIPING TABULATION
25-30	SIGNING & STRIPING PLAN
31	CANTELIVER SIGN STRUCTURE SHEET
32	SIGN LAYOUTS
33-38	STORM WATER MANAGEMENT PLAN

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Unit Information PKW

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

5615 Wills Blvd, Suite A
Pueblo CO, 81008
Phone: 719-546-5734
Fax: 719-546-5414

Region 2 PKW

As Constructed
No Revisions:
Revised:
Void:

Contract Information	
Contractor:	
Resident Engineer:	Pepper Whittlef
Project Engineer:	Adam Lancaster
PROJECT STARTED: / /	ACCEPTED: / /
Comments:	

Project No./Code	
	STA 2854-155
	25354
Sheet Number	002

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COLORADO
DEPARTMENT OF TRANSPORTATION
M&S STANDARDS PLANS LIST
July 31, 2019

Revised on September 6, 2022


ALL OF THE M&S STANDARD PLANS, AS SUPPLEMENTED AND REVISED, APPLY TO THIS PROJECT WHEN USED BY DESIGNATED PAY ITEM OR SUBSIDIARY ITEM.

THE M&S STANDARD PLANS USED TO DESIGN THIS PROJECT ARE INDICATED BY A MARKED BOX ■, AND WILL BE ATTACHED TO THE PLANS. ALL THE OTHER M&S STANDARD PLANS ARE STILL ELIGIBLE FOR CONSTRUCTION IF APPROVED BY AN APPROPRIATE CDOT ENGINEER.

Computer File Information		Sheet Revisions		Colorado Department of Transportation 2829 West Howard Place CDOT HQ, 3rd Floor Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868	<h1>STANDARD PLANS LIST</h1>	STANDARD PLAN NO.	
Creation Date: 07/31/19		Date:	Comments			STANDARDS PLANS LIST	
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Last Modification Date: 09/06/22	(R-X)			Project Sheet Number: 003			
Detailer Initials: LTA	(R-X)						
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INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	PROJECT TOTALS	
BOOK	PAGE	SHEET				PLAN	AS CONST
			201-00005	Removal of Debris	LS	1	
			202-00090	Removal of Delineator	EA	52	
			202-00190	Removal of Concrete Median Cover	SY	1526	
			202-00203	Removal of Curb and Gutter	LF	3100	
			202-00220	Removal of Asphalt Mat	SY	346	
			202-00250	Removal of Pavement Marking	SF	11332	
			202-00810	Removal of Ground Sign	EA	21	
			202-00821	Removal of Sign Panel	EA	26	
			202-01130	Removal of Guardrail Type 3	LF	65	
			202-01300	Removal of End Anchorage	EA	2	
			202-05030	Sawing Asphalt Material (10 Inch)	LF	3122	
			203-00000	Unclassified Excavation	CY	401	
			203-01597	Potholing	HR	40	
			207-00700	Topsoil (Onsite)	CY	50	
			208-00006	Erosion Log Type (Special)	LF	1200	
			208-00046	Pre-fabricated Concrete Washout Structure (Type 1)	EA	1	
			208-00051	Storm Drain Inlet Protection (Type I)	LF	30	
			208-00106	Sweeping (Sediment Removal)	HR	24	
			210-04020	Modify Inlet	EA	1	
			212-00700	Organic Fertilizer Low N	LBS	240	
			212-00702	Biotic Soil Amendments (Hydraulically Applied)	LBS	26	
			212-00703	Humate	LBS	80	
			212-00704	Mycorrhizae	LBS	8	
			212-00707	Seeding (Native) Hydraulic	ACRE	0.4	
			213-00012	Spray-on Mulch Blanket	ACRE	0.4	
			304-06000	Aggregate Base Course (Class 6)	TON	669	
			403-34721	Hot Mix Asphalt (Grading SX) (75) (PG 58 - 28)	TON	728	
			412-00600	Concrete Pavement (6 Inch)	SY	23	
			503-00048	Drilled Shaft (48 Inch)	LF	20	
			606-00302	Guardrail Type 3 (31 Inch Midwest Guardrail System)	LF	843	
			606-00910	Gaurdrail Type 9 (CA)	LF	1105	
			606-01385	Transition Type 3J	EA	2	
			606-02003	End Anchorage (Nonflared)	EA	2	
			606-40400	Structural Concrete Stain	SY	878	
			614-00012	Sign Panel (Class II)	SF	575	
			614-00028	Sign Panel (Class III)(Install Only)	SF	156	
			614-00615	Steel Signpost (W 6X15)	LF	30	

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INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	PROJECT TOTALS	
BOOK	PAGE	SHEET				PLAN	AS CONST
			614-01503	Steel Sign Support (2-Inch Round)(Post and Socket)	EA	6	
			614-01573	Steel Sign Support (2-1/2 Inch Round NP-40)(Post & Slipbase)	EA	14	
			614-03002	Concrete Footing (Type 2)	EA	2	
			614-32900	Monotube Overhead Sign Cantilever (Install Only)	EA	1	
			614-80386	Rumble Strip (Special)(Grinding)(Cluster)(Asphalt)(Sinusoidal)	LF	42	
			614-85001	Impact Attenuator (Crash Cushion)	EA	6	
			625-00000	Construction Surveying	LS	1	
			626-00000	Mobilization	LS	1	
			626-01113	Public Information Services (Tier III)	DAYS	104	
			627-00013	Pavement Marking Paint (High Build)(15 Mil)	GAL	56	
			627-01010	Preformed Plastic Pavement Marking Tape (Type 1)(Inlaid)	SF	5666	
			627-30405	Preformed Thermoplastic Pavement Marking (Word-Symbol)	SF	465	
			630-00000	Flagging	HOUR	60	
			630-00003	Uniform Traffic Control	HOUR	40	
			630-00007	Traffic Control Inspection	DAY	55	
			630-00012	Traffic Control Management	DAY	9	
			630-00015	Uniform Traffic Control Coordination	HOUR	5	
			630-80335	Barricade (Type 3 M-A) (Temporary)	EA	2	
			630-80341	Construction Traffic Sign (Panel Size A)	EA	22	
			630-80342	Construction Traffic Sign (Panel Size B)	EA	26	
			630-80343	Construction Traffic Sign (Panel Size C)	EA	12	
			630-80355	Portable Message Sign Panel	EA	2	
			630-80357	Advance Warning Flashing or Sequencing Arrow Panel (B Type)	EA	2	
			630-80360	Drum Channelizing Device	EA	75	
			630-80363	Drum Channelizing Device (With Light) (Flashing)	EA	40	
			630-80364	Drum Channelizing Device (With Light)(Steady Burn)	EA	40	
			630-80380	Traffic Cone	EA	250	
			630-80393	Stackable Vertical Panels	EA	75	
			630-85010	Impact Attenuator (Temporary)	EA	8	
			630-85040	Impact Attenuator (Truck Mounted Attenuator)(Temporary)	EA	1	
			700-70010	F/A Minor Contract Revisions	FA	1	
			700-70016	F/A Fuel Cost Adjustment	FA	1	
			700-70111	F/A Project First Program	FA	1	
			700-70380	F/A Erosion Control	FA	1	

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	Horiz. Scale: 1"=XX' Vert. Scale: As Noted					Revised:	Designer: ALC	Structure Numbers			25354
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ENVIRONMENTAL GENERAL NOTES

*Unless noted otherwise, work, including possible labor, materials, equipment, hauling, and disposal costs required to complete it, shall not be measured, and paid for separately, but shall be included in the cost of work (incidental to the project).

1. This project has been evaluated and cleared under a categorical exclusion, if additional actions or project requirements are different than what is described in the scope of work for this project, the CDOT Region 2 environmental unit should be notified.
2. A Spill Prevention, Control, and Countermeasures plan (SPCC) will be developed and provided to CDOT at the pre-construction meeting for approval, prior to any mobilization to begin the project.
3. The SPCC and all materials required to contain and clean up any spills or releases shall be accessible at any time to all crews working on the project. All leaks and spills shall be immediately contained, and every effort will be made to not allow the spill to run off-site. Any leaks or spills that escape the roadway and migrate to porous areas shall be cleaned up immediately as listed in CDOT Specification 250.
4. Sensitive habitats do exist near the project sites. To protect known environmental resources in the CDOT right-of-way (wetlands, threatened and endangered species), temporary use areas for equipment staging, setup, repair, or overnight parking shall be pre-approved by the Project Engineer following coordination with the Regional Environmental staff. Coordination for temporary use areas will not be measured and paid for separately but shall be included in the cost of the work. The Contractor shall submit a plan for pre-approval of equipment setup and staging areas.
5. Any damage to areas beyond the roadway will be restored to pre-existing condition to include mulching, seeding, or other restoration as designated by the CDOT project engineer. This shall be included in the cost of the work unless otherwise specified.
6. Any damage to present highway facilities and private property shall be repaired immediately and prior to continuing other work. Any mud or other material tracked or otherwise deposited on the roadway shall be removed daily or as ordered by the Engineer.
7. No materials or debris are allowed to be deposited along the roadway shoulder or allowed to migrate into streams, wetlands, or other water features, such as bridges, culverts, storm drain inlets, roadside ditches, or other areas that may convey runoff.
8. The Contractor shall provide for Erosion Control Inspection and Administration of the Storm Water Management Plan (SWMP) in accordance with Standard Specification 208.03.
9. Water shall be used as a dust palliative where required. Locations shall be as directed by the Engineer. Fugitive dust permits and/or air pollution emission notices for construction activities are the Contractor's responsibility and shall be obtained where applicable from the Colorado Department of Public Health and Environment (CDPHE).
10. The Contractor shall be responsible for the acceptance and control of all surface and subsurface drainage and ground water generated or entering the area, in accordance with the Stormwater Management Plan. The Contractor is responsible for providing dewatering if needed at no additional cost to the project. Dewatering methods shall be approved by the Engineer. Contact the CDPHE at (303) 692-3618 to determine if a dewatering permit is required. If needed, the Contractor will be responsible for obtaining the permit and the costs associated with said permit.
11. Sediment and erosion controls shall be installed to protect water quality, as needed, during construction and before acceptance.

12. No excavation or work shall begin until the Contractor has obtained, at its expense, any permits required to perform the proposed work.
13. A preconstruction meeting shall be held on-site with CDOT and the selected Contractor to identify the project limits, equipment and material storage areas, sediment and erosion controls, and equipment maintenance areas prior to the commencement of work. Required Contractor submittals specified in 107.25 (b)(5) Water Quality Control and 208.03 Erosion Control shall be available for this preconstruction meeting.
14. The Contractor shall keep the work area dry of standing water and shall keep the excavation areas free from run-off.
15. Contractor's equipment will be washed before being brought onto the project site to ensure that they are free of soil and debris capable of transporting noxious weed seeds or roots from other areas in accordance with Section 107.25.
16. A pay item for Concrete Washout Structure has been provided for the project. If necessary, the Contractor shall wash out any concrete into the Concrete Washout Structure. No other location for concrete washout activities on the project site or within CDOT property are permitted. The Contractor shall obtain, and provide to the Engineer, written permission from the owner to wash out on any private property.
17. All disturbed areas shall be permanently stabilized with seeding and soil conditioning unless otherwise shown in the plans.

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All seals for this set of drawings are applied to the cover page(s)	Print Date: 1/3/2023	Sheet Revisions			Colorado Department of Transportation		As Constructed		GENERAL NOTES			Project No./Code	
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	Unit Information PKW					Void:		Sheet Subset: Notes Subset Sheets:A003 of 004					
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TABULATION OF TRAFFIC ENGINEERING ITEMS

ITEM NUMBER	ITEM DESCRIPTION	UNIT	PROJECT TOTALS
630-00000	Flagging	Hour	60
630-00003	Uniform Traffic Control	Hour	40
630-00007	Traffic Control Inspection	Day	55
630-00012	Traffic Control Management	Day	9
630-00015	Uniform Traffic Control Coordination	Hour	5
630-80341	Construction Traffic Sign (Panel Size A)	Each	22
630-80342	Construction Traffic Sign (Panel Size B)	Each	26
630-80343	Construction Traffic Sign (Panel Size C)	Each	12
630-80355	Portable Message Sign Panel	Each	2
630-80358	Advance Warning Flashing or Sequencing Arrow Panel (C Type)	Each	2
630-80360	Drum Channelizing Device	Each	75
630-80363	Drum Channelizing Device (with light)(Flashing)	Each	40
630-80364	Drum Channelizing Device (with light)(Steady Burn)	Each	40
630-80380	Traffic Cone	Each	250
630-80393	Stackable Vertical Panels	Each	75
630-85010	Impact Attenuator (Temporary)	Each	8
630-85040	Impact Attenuator (Truck Mounted Attenuator)(Temporary)	Each	1

Note: Cases 1, 2, and 25 were used to approximate traffic control devices.
 Panel Size A: 0.01 to 9.00 SF
 Panel Size B: 9.01 to 16.00 SF
 Panel Size C: greater than 16 SF
 Temporary Paint to be used to delineate temporary shifted edge lines and center line

SCHEDULE OF CONSTRUCTION TRAFFIC CONTROL DEVICES (FOR INFO ONLY)

SIGNS						
SIGN CODE	LEGEND	DIMENSION	PANEL SIZE			
			A	B	C	Special
			EA	EA	EA	SF
48W 20-1	ROAD/WORK/AHEAD	48x48		6		
48W 20-5L	LEFT LANE/CLOSED/ 1/2 MILE	48x48		1		
48W 20-5R	RIGHT LANE/CLOSED/ 1/2 MILE	48x48		1		
48W 20-5L	LEFT LANE/CLOSED/ 1500 FT	48x48		1		
48W 20-5R	RIGHT LANE/CLOSED/ 1500 FT	48x48		1		
48W 4-2L	LANE REDUCTION LEFT (SYMBOL)	48x48		1		
48W 4-2R	LANE REDUCTION RIGHT (SYMBOL)	48x48		1		
48W 1-4R	REVERSE CURVE RIGHT (SYMBOL)	48x48		1		
48W 1-4L	REVERSE CURVE LEFT (SYMBOL)	48x48		1		
30W 13-1P	ADVISORY SPEED PLAQUE (25)	30x30	2			
36R2-1	SPEED LIMIT (30)	36x48		4		
36R5-1	DO NOT ENTER	36x36		4		
36R6-1R	ONE WAY RIGHT	36x12	6			
48G20-11	ROAD WORK INFO	48x48		2		
48G20-10	XYZ/CONSTRUCTION/THANKS YOU/555-555-5555	48x48		2		
48R52-6a	BEGIN/FINES/DOUBLE/IN WORK/ZONE	48x60			6	
36G20-5	WORK ZONE	36x12	8			
36R2-6P	FINES/DOUBLE	36x24	6			
48R52-6b	END/FINES/DOUBLE/IN WORK/ZONE	48x60			6	
TOTALS			22	26	12	0


NOTES

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File Name: 25354_GeneralSheets.dgn
Horiz. Scale: 1"=XX' Vert. Scale: As Noted
Unit Information PKW

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Region 2 PKW

As Constructed
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TRAFFIC CONTROL TABULATION			
Designer:	ALC	Structure Numbers	
Detailer:	ALC		
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Project No./Code	STA 2854-155
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Sheet Number	010

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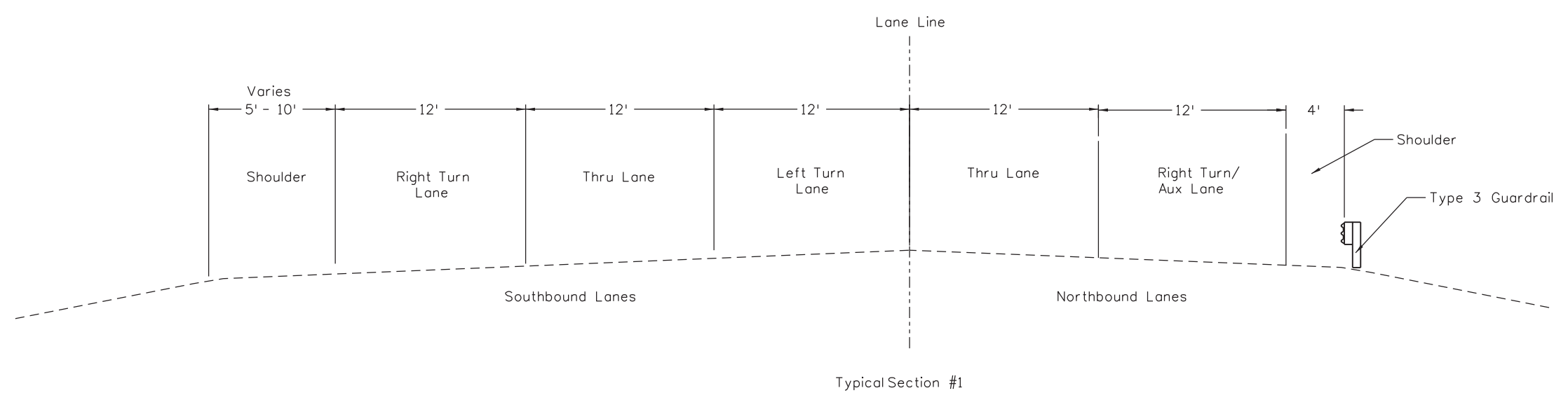
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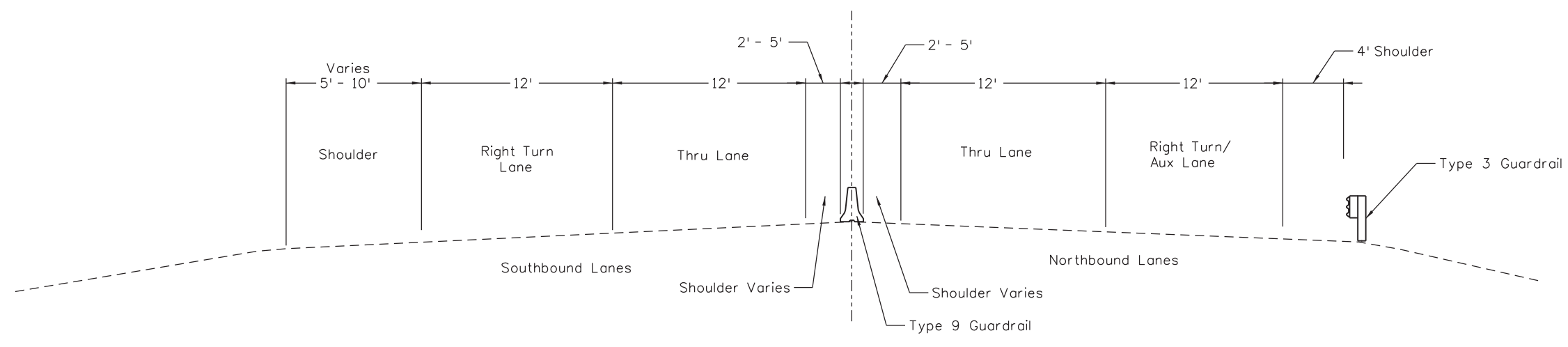
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Sheet Number	011

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Typical Section #1



Typical Section #2

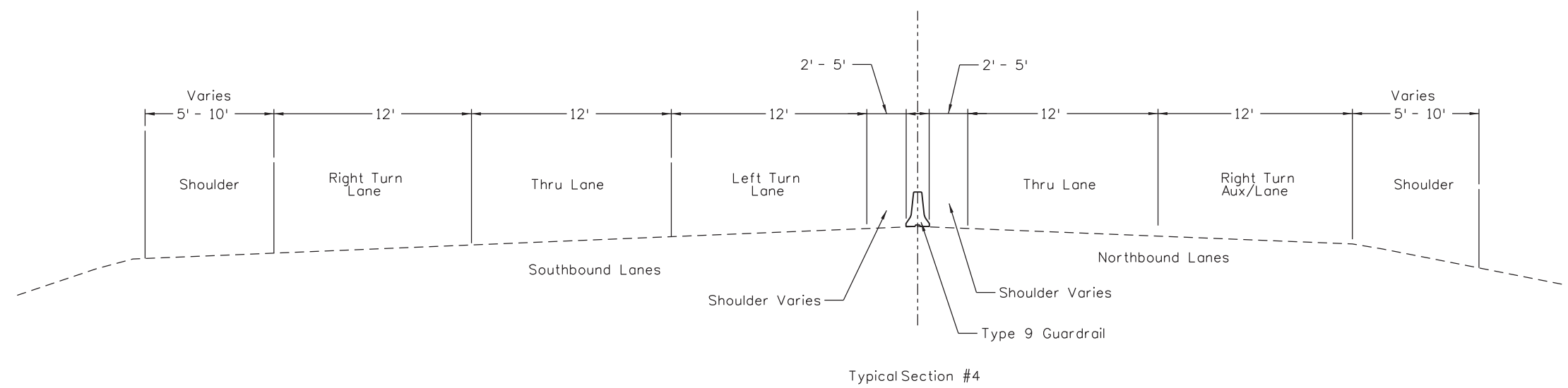
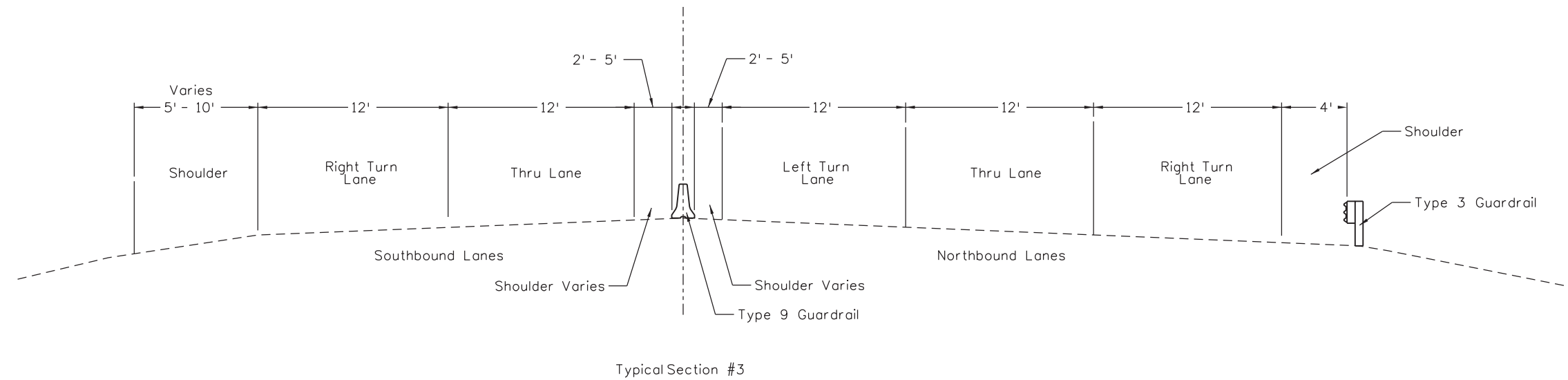
- TYPICAL SECTION NOTES:**
1. Typical Section Data is based on the best available information. Prior to construction, the Contractor shall verify each section.
 2. For details of the changes in Roadway, see Roadway Plan Sheets.

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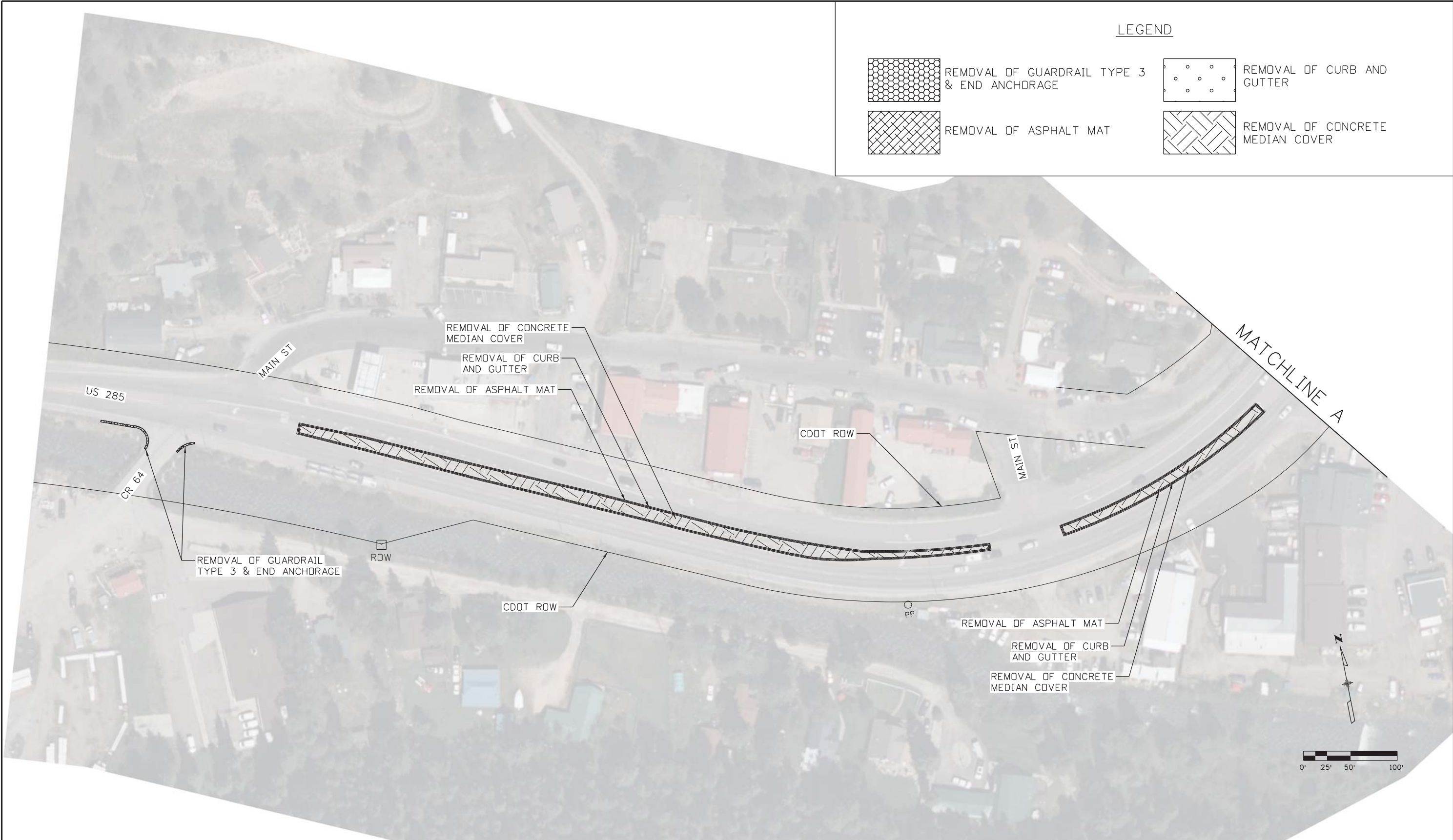
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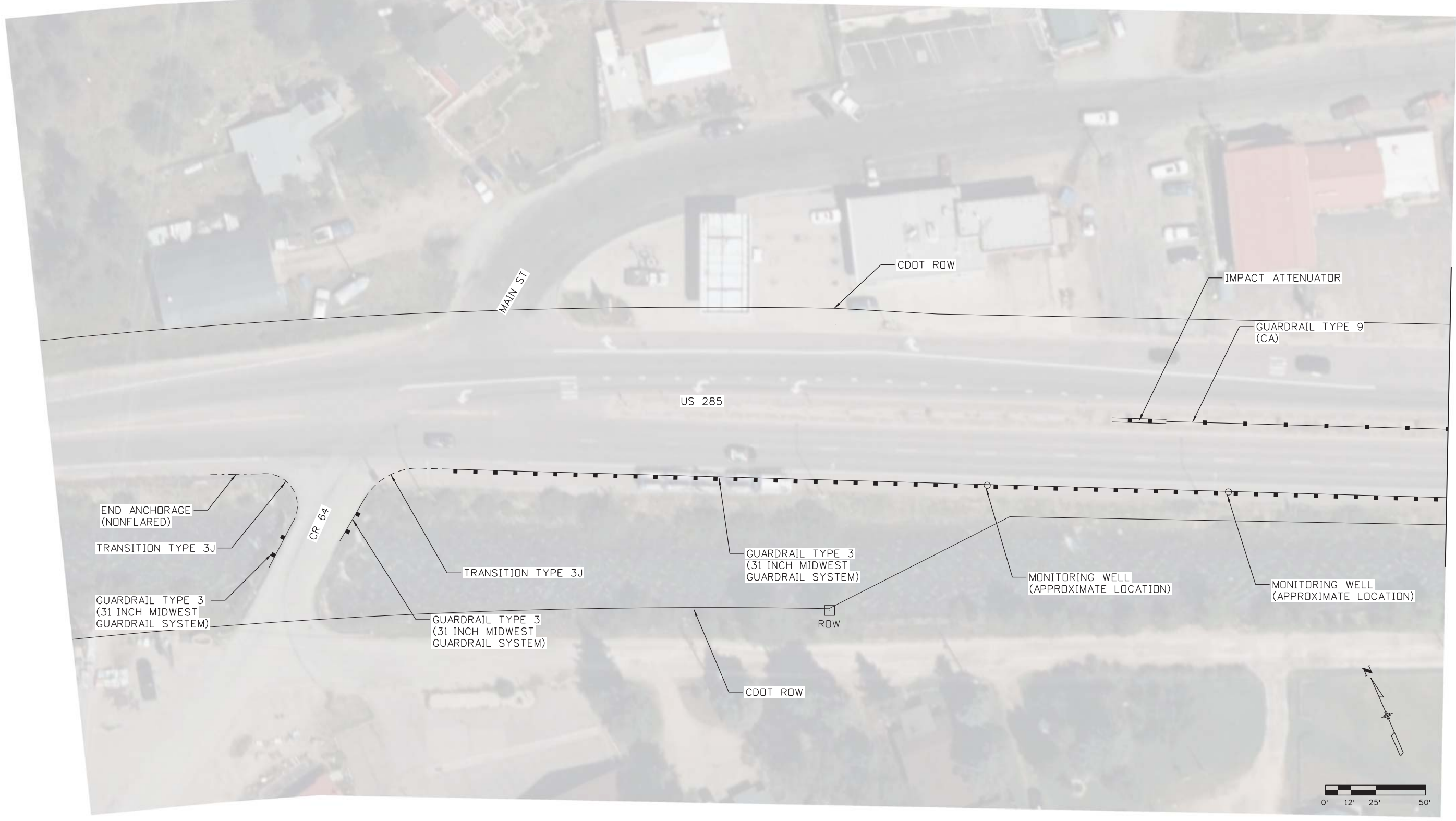
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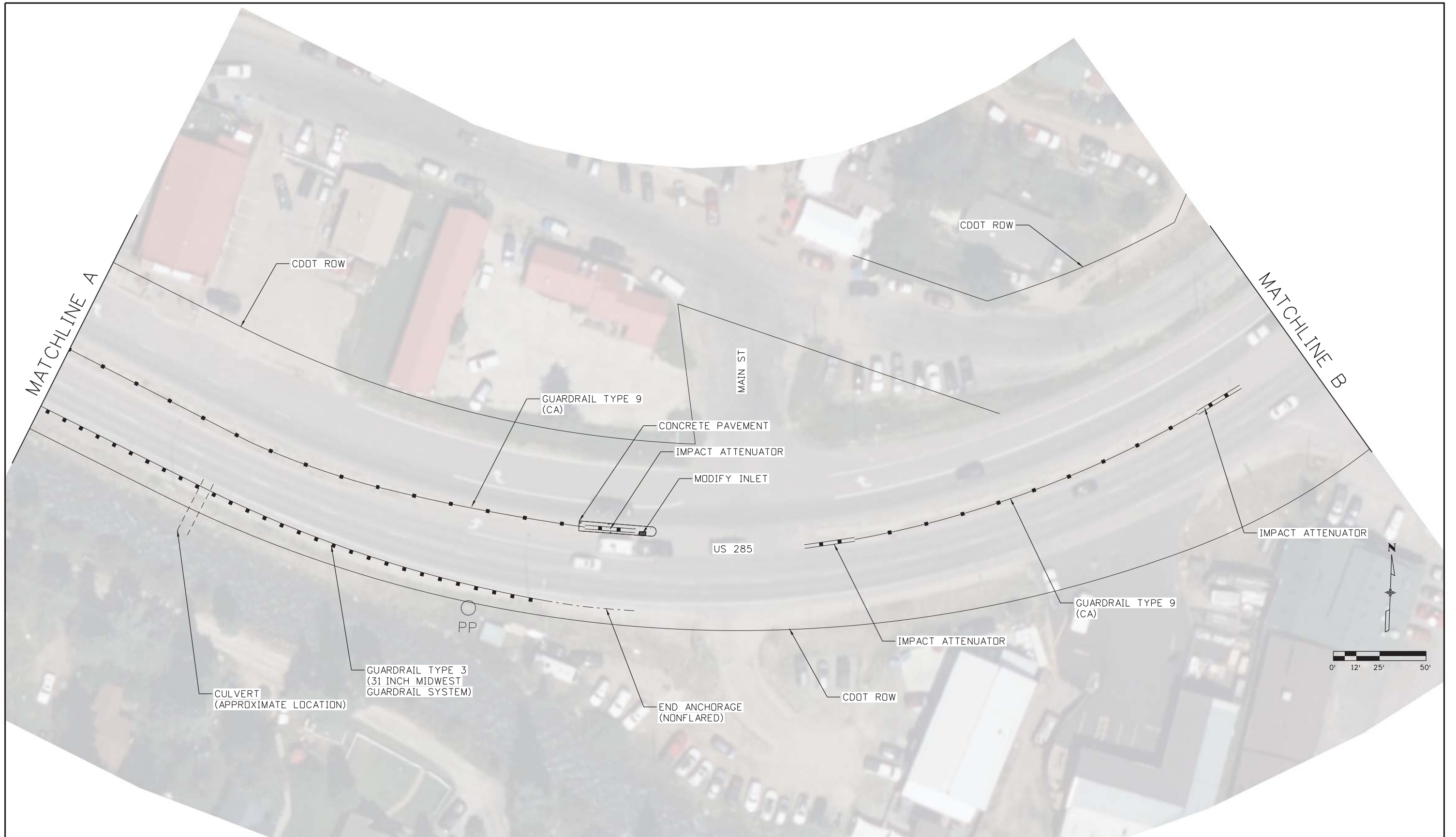
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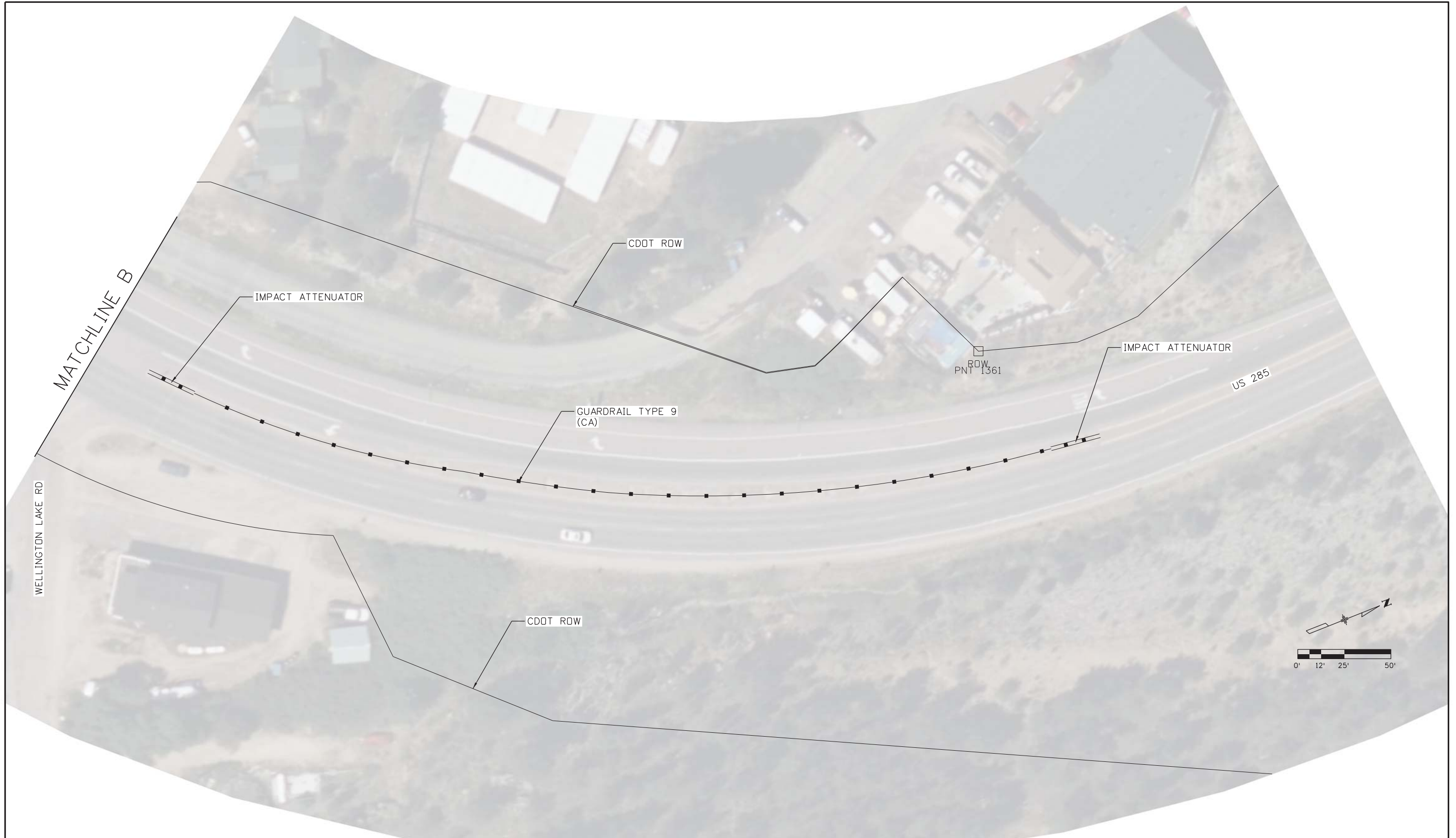
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Tabulation of Signs

Sign No.	Milepost Location	Direction	Location	Sign Code	Sign Panel Size			Background Color	Legend	202-00810	202-00821	614-00012	614-00028	614-00615	614-01503	614-01573	614-03002	Remarks
					Removal of Ground Sign	Removal of Sign Panel	Sign Panel			Sign Panel	Steel Sign Post (W 6 x 15)	Steel Sign Support (2-Inch Round)(Post and Socket)	Steel Sign Support (2-1/2 Inch Round NP-40)(Post & Slipbase)	Concrete Footing (Type 2)				
							Class II			Class III (Install Only)					SF	SF	LF	
W"	x	H"	EACH	EACH	SF	SF	LF	EA	EA	EA								
1	221.08	NB	RHT	W11-3	48	x	48	Yellow	Deer Warning Sign			16.00				1		New Sign - NOT SHOWN ON PLANS
2	221.84	NB	RHT	W6-1	36	x	36	Yellow	Median Warning Sign		1							New Sign Panels on Flashing Beacon Post
		NB	RHT	W2-1	48	x	48	Yellow	Intersection Warning Sign			16						
				W13-1p	30	x	30	Yellow	Advisory Speed (35 MPH)			6.25						
3	221.86	NB	RHT	R2-1	36	x	48	White	Speed Limit (40 MPH)		1	12.00						
4	221.88	NB	RHT					Green	Post office Sign	1								Remove Sign
5	221.89	NB	RHT	W6-1	48	x	48	Yellow	Median Warning Sign			16.00				1.00		
6	221.91	EB	RHT	R1-1	36	x	36	Red	Stop Sign	1		9.00				1.00		
		NB	LFT	D3-1	36	x	12	Green	Main St		3.00							
		SB	RHT	D3-1	36	x	12	Green	Main St		3.00							
		EB	RHT	D3-1	36	x	12	Green	US 285		3.00							
7	221.91	WB	RHT	R1-1	36	x	36	Red	Stop Sign	1		9.00			1.00			
		NB	RHT	D3-1	36	x	12	Green	CR 64		3.00							
		SB	LFT	D3-1	36	x	12	Green	CR 64		3.00							
		WB	RHT	D3-1	36	x	12	Green	US 285		3.00							
8	221.94	NB	Median	R4-7R	24	x	30	White	Keep Right (Median)	1								Remove Sign
				OM3-L	12	x	36	Yellow	Object Marker									
9	221.94	NB	Median	R5-1	30	x	30	White	Do Not Enter	1								Remove Sign
10	221.94	NB	Median	R6-1R	36	x	12	Black	One Way	1								Remove Sign
11	221.95	NB	Median	R6-1R	36	x	12	Black	One Way	1								Remove Sign
12	221.96	NB	RHT	W1-2L	48	x	48	Yellow	Curve Left		1	16.00						
				W13-1p	30	x	30	Yellow	Advisory Speed (35 MPH)		1	6.25						
13	221.98	SB	Median	R6-1R	36	x	12	Black	One Way	1								Remove Sign
14	221.98	NB	Median	R6-1R	36	x	12	Black	One Way	1								Remove Sign
15	222.00	NB	Median	R4-7R	24	x	30	White	Keep Right (Median)			5.00			1			Installed on Median Barrier
16	222.03	NB	RHT	W1-2L	48	x	48	Yellow	Curve Left			16.00				1		New Sign
				W13-1p	30	x	30	Yellow	Advisory Speed (35 MPH)			6.25						
17	222.05	NB	RHT	W1-8L	30	x	36	Yellow	Chevron Left			7.5				1		New Sign
		SB	LFT	W1-8R	30	x	36	Yellow	Chevron Right			7.5						
18	222.06	SB	Median	R4-7R	24	x	30	White	Keep Right (Median)	1		5.00			1			Installed on Median Barrier
19	222.07	NB	RHT	W1-8L	30	x	36	Yellow	Chevron Left			7.5				1		New Sign
		SB	LFT	W1-8R	30	x	36	Yellow	Chevron Right			7.5						
20	222.08	EB	RHT	R1-2	36	x	36	Red	Yield Sign	1		9.00			1			
		NB	LFT	D3-1	36	x	12	Green	Main St		3.00							
		SB	RHT	D3-1	36	x	12	Green	Main St		3.00							
		EB	RHT	D3-1	36	x	12	Green	US 285		3.00							
				R3-0L	24	x	24	White	No Left Turn/No Thru Movement			4.00						
21	222.09	NB	Median	R4-7R	24	x	30	White	Keep Right (Median)	1		5.00			1			Installed on Median Barrier
22	222.09	NB	RHT						CR 68 ->/ Wellington Lake ->	1								
23	222.09	NB	RHT	W1-8L	30	x	36	Yellow	Chevron Left		1	7.5						
		SB	LFT	W1-8R	30	x	36	Yellow	Chevron Right		1	7.5						
24	222.11	NB	RHT	W1-8L	30	x	36	Yellow	Chevron Left		1	7.5						
		SB	LFT	W1-8R	30	x	36	Yellow	Chevron Right		1	7.5						
25	222.13	SB	Median	R4-7R	24	x	30	White	Keep Right (Median)	1		5.00			1			Installed on Median Barrier

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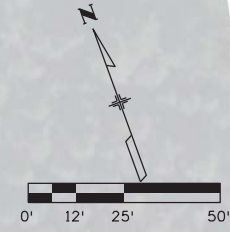
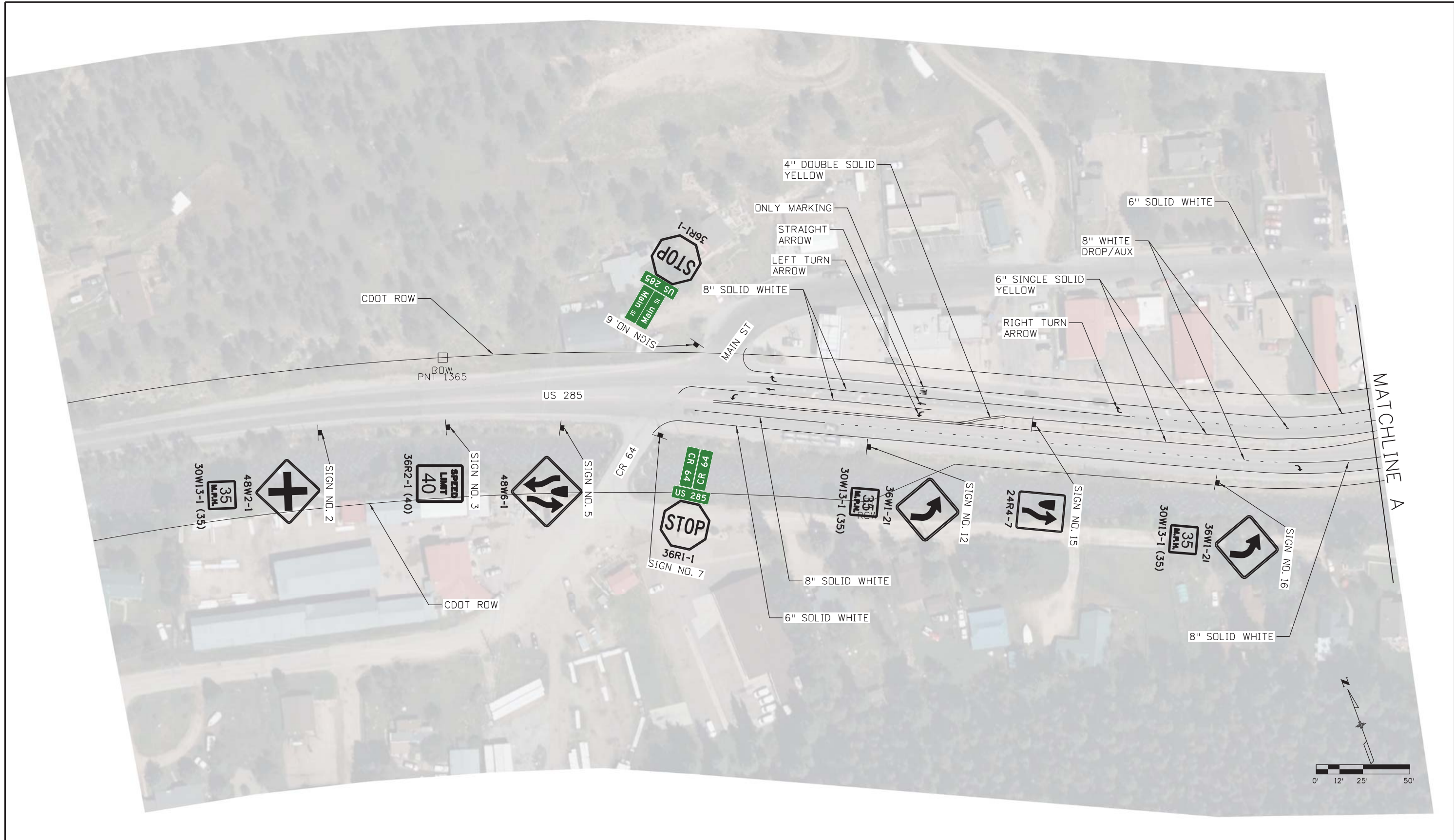
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Tabulation of Signs

Sign No.	Milepost Location	Direction	Location	Sign Code	Sign Panel Size			Background Color	Legend	202-00810	202-00821	614-00012	614-00028	614-00615	614-01503	614-01573	614-03002	Remarks
					Removal of Ground Sign	Removal of Sign Panel	Sign Panel			Sign Panel	Steel Sign Post (W 6 x 15)	Steel Sign Support (2-Inch Round)(Post and Socket)	Steel Sign Support (2-1/2 Inch Round NP-40)(Post & Slipbase)	Concrete Footing (Type 2)				
							Class II			Class III (Install Only)					EA	EA	EA	
W"	x	H"	EACH	EACH	SF	SF	LF	EA	EA	EA	EA	EA						
26	222.13	SB	Median	R5-1	30	x	30	White	Do not Enter	1								Remove sign
27	222.14	NB	RHT	W1-8L	30	x	36	Yellow	Chevron Left		1	7.5						
		SB	LFT	W1-8R	30	x	36	Yellow	Chevron Right		1	7.50						
28	222.16	WB	RHT	R1-1	36	x	36	Red	Stop Sign	1		9.00			1			
		NB	RHT	D3-1	60	x	12	Green	Wellington Lake Rd		5.00							
		SB	LFT	D3-1	60	x	12	Green	Wellington Lake Rd		5.00							
		WB	RHT	D3-1	36	x	12	Green	US 285		3.00							
29	222.16	NB	RHT	W1-8L	30	x	36	Yellow	Chevron Left		1	7.5						
		SB	LFT	W1-8R	30	x	36	Yellow	Chevron Right		1	7.50						
30	222.17	NB	Median	R4-7R	24	x	30	White	Keep Right (Median)	1		5.00		1				Installed on Median Barrier
31	222.18	NB	RHT	W1-8L	30	x	36	Yellow	Chevron Left		1	7.5						
		SB	LFT	W1-8R	30	x	36	Yellow	Chevron Right		1	7.50						
32	222.19	NB	RHT	S3-1	48	x	48	FL Yellow	School Bus Stop Ahead symbol		1	16.00						
33	222.21	NB	RHT	W1-8L	30	x	36	Yellow	Chevron Left		1	7.5						
		SB	LFT	W1-8R	30	x	36	Yellow	Chevron Right		1	7.50						
34	222.22	NB	RHT	W1-8L	30	x	36	Yellow	Chevron Left		1	7.5						
		SB	LFT	W1-8R	30	x	36	Yellow	Chevron Right		1	7.50						
35	222.25	NB	RHT	W1-8L	30	x	36	Yellow	Chevron Left		1	7.5						
		SB	LFT	W1-8R	30	x	36	Yellow	Chevron Right		1	7.50						
36	222.26	SB	Median	R4-7R	24	x	30	White	Keep Right (Median)	1		5.00		1				Installed on Median Barrier
37	222.26	NB	RHT	W1-8L	30	x	36	Yellow	Chevron Left			7.5						Replace Arrow with Chevrons in NB and SB Directions on existing pole
		SB	LFT	W1-8R	30	x	36	Yellow	Chevron Right			7.50						
		SB	LFT	W-16R				Yellow	Arrow Right		1							
38	222.28	NB	RHT	W1-8L	30	x	36	Yellow	Chevron Left		1	7.5						
		SB	LFT	W1-8R	30	x	36	Yellow	Chevron Right		1	7.50						
39	222.29	NB	RHT	M3-1	36	x	18	White	North	1		4.50						
				M1-4	45	x	36	White	285 Shield		11.25							
40	222.35	SB	RHT	W1-1R	48	x	48	Yellow	Turn Left			16.00			1			New Sign
				W13-1p	30	x	30	Yellow	Advisory Speed (35 MPH)	6.25								
41	222.42	SB	RHT	W1-13R	48	x	48	Yellow	Truck Tipping Sign			16.00						New Sign Panels on Flashing Beacon Post
				W13-1p	30	x	30	Yellow	Advisory Speed (35 MPH)	6.25								
				W1-11R	48	x	48	Yellow	Hairpin Curve		1							
				W13-1p	30	x	30	Yellow	Advisory Speed (35 MPH)		1							
42	222.53	SB	RHT	W1-1R	48	x	48	Yellow	Turn Left			16.00			1			New Sign
				W13-1p	30	x	30	Yellow	Advisory Speed (35 MPH)	6.25								
43	222.62	SB	RHT	R2-1	36	x	48	White	Speed Limit (40 MPH)	1		12.00						
44	222.69	SB	RHT	W3-5(40MPH)	48	x	48	Yellow	Reduced Speed Limit Ahead	1		16.00						Signs Mounted on Sign Cantilever
			RHT	W1-13R	72	x	72	Yellow	Truck Tipping Sign			36.00						
			RHT	Special	48	x	72	Yellow	2000 Feet 35 MPH			24.00						
45	222.90	SB	RHT	W7-1b	48	x	48	Yellow	Truck Grade Warning, 7%			16.00			1			New Sign
46	222.97	SB	RHT	W11-3	48	x	48	Yellow	Deer Warning Sign			16.00			1			New Sign
47	223.10	NB	RHT	W11-3	48	x	48	Yellow	Deer Warning Sign			16.00			1			New Sign
48	223.17	SB	RHT		144	x	96	Yellow	Not down Yet, 7% Grade, 35 mph, 3/4 mi				96.00	28.00			2	2 Steel Sign posts, 14' Each, Type 2 concrete footing
TOTALS :									21	26	575	156	28	6	14	2		

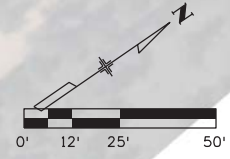
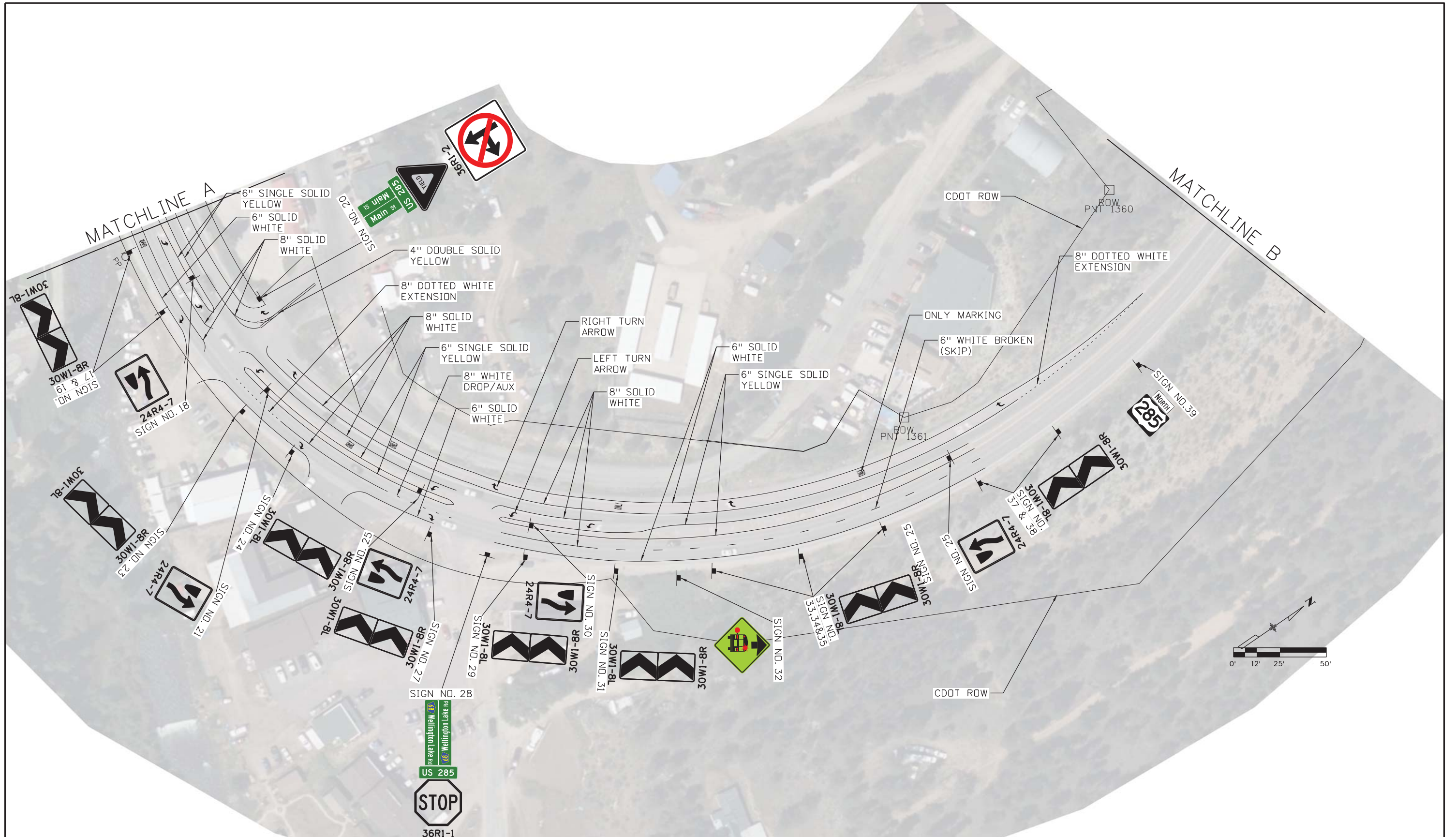
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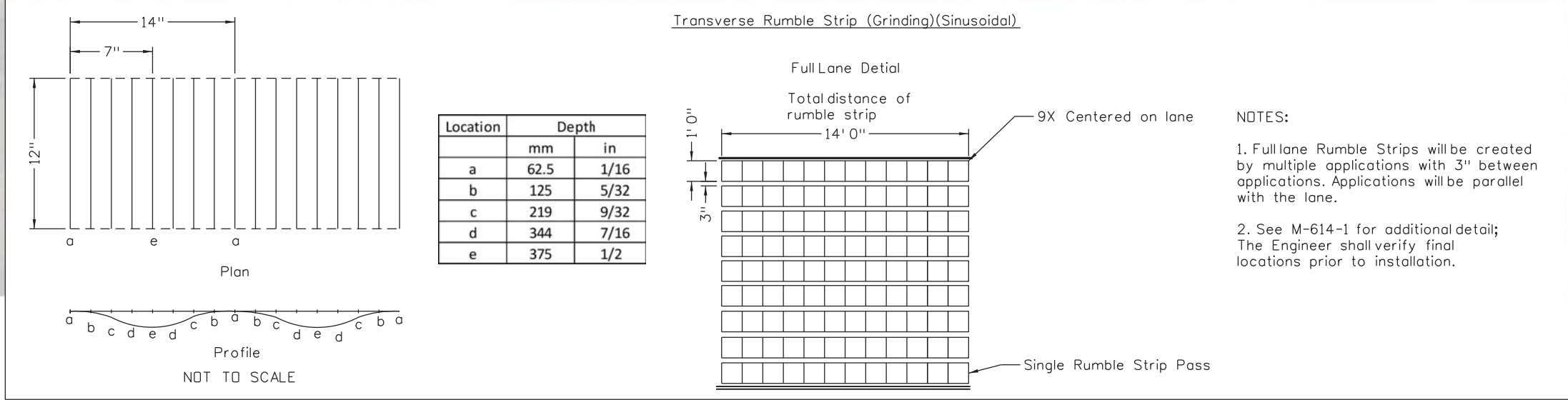
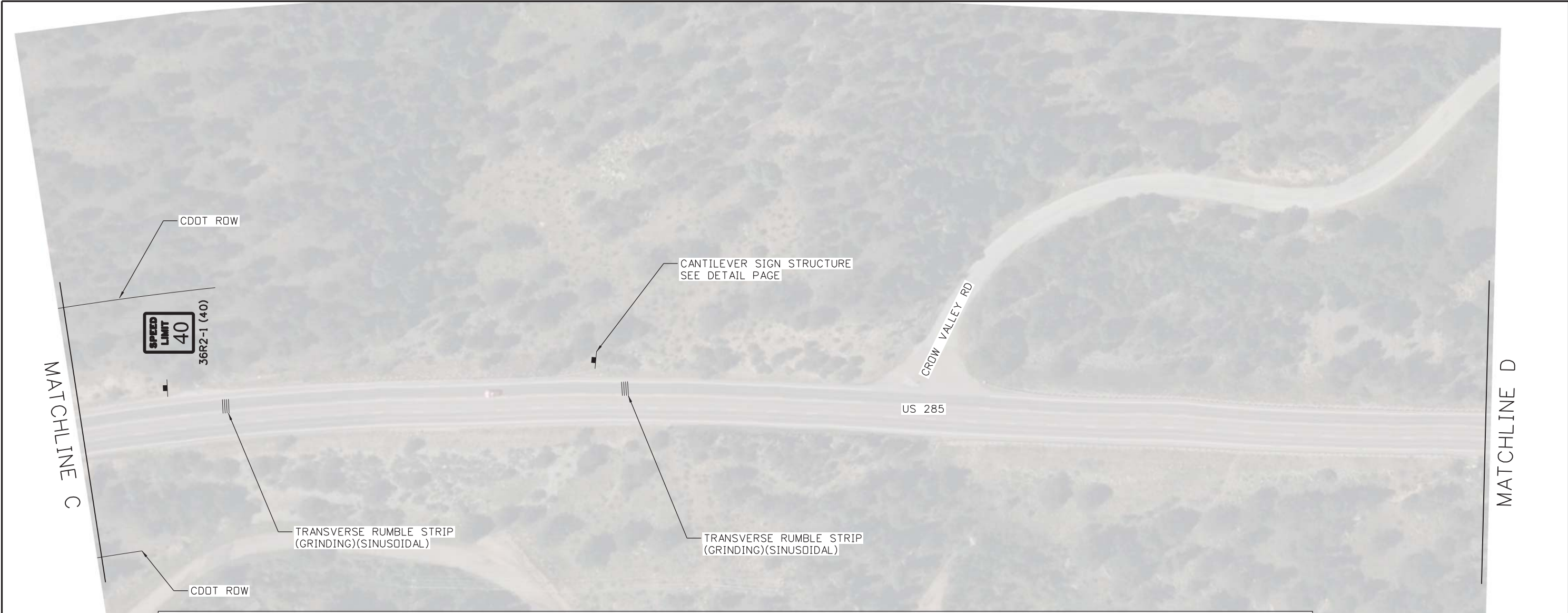
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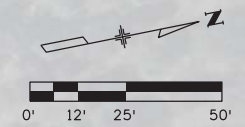
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NOTES:

1. Full lane Rumble Strips will be created by multiple applications with 3" between applications. Applications will be parallel with the lane.
2. See M-614-1 for additional detail; The Engineer shall verify final locations prior to installation.



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Print Date: 1/3/2023
 File Name: 25354_DES_Striping_Signing_Model.dgn
 Horiz. Scale: 1"=50' Vert. Scale: As Noted
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Region 2 PKW

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Revised:	
Void:	

US 285 SIGNING AND STRIPING PLAN			
Designer:	ALC	Structure Numbers	
Detailer:	ALC		
Sheet Subset:	Markings	Subset Sheets:	A007 of 011

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	25354
Sheet Number	028

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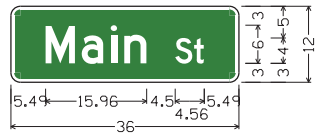
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				Region 2					PKW								

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MATCHLINE E



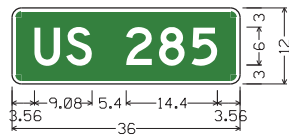
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	Unit Information PKW					Void:		Sheet Subset: Markings		Subset Sheets: A009 of 011	Sheet Number 030			
				Region 2		PKW								



12D3-1;
1.50" Radius, 0.50" Border, White on, Green;
"Main St", D 2K;
Table of letter and object lefts

M	a	i	n
5.49	11.19	15.75	17.91
S	t		
25.95	28.91		

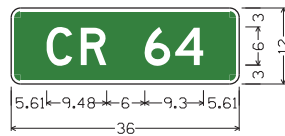
SIGN NO. 6,20



12D3-1;
1.50" Radius, 0.50" Border, White on, Green;
"US 285", D 2K 90% spacing;
Table of letter and object lefts

U	S	2	5
3.56	8.56	18.04	23.20
28.36			

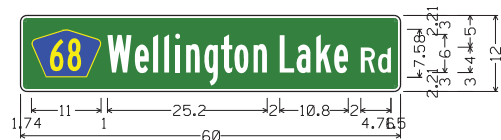
SIGN NO. 6,7,20,28



12D3-1;
1.50" Radius, 0.50" Border, White on, Green;
"CR 64", D 2K;
Table of letter and object lefts

C	R	6	4
5.61	11.01	21.09	25.89

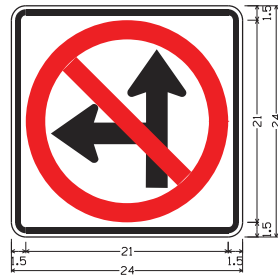
SIGN NO. 7



12D3-1a;
1.00" Radius, 0.38" Border, White on, Green;
"Wellington Lake" B 2K "Rd", C 2K;
Table of letter and object lefts

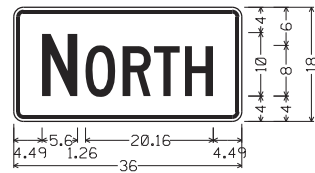
W	e	l	l	e	a	l	e	l	e	R	d
13.74	18.06	20.94	22.66	24.42	26.16	29.04	31.68	33.78	36.78		
L	l	k	e	R	d						
40.94	43.56	46.70	49.52	53.74	56.46						

SIGN NO. 28



SPECIAL for CRS 42-4-111(1)(1);
1.50" Radius, 0.63" Border, 0.38" Indent, Black on, White;
M6-BL arrow optically placed;

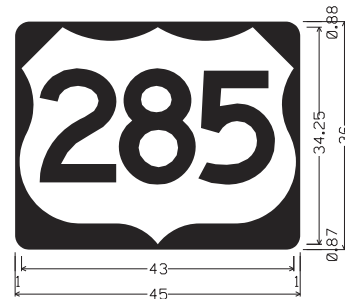
SIGN NO. 20



36M3-1;
1.50" Radius, 0.63" Border, 0.38" Indent, Black on, White;
"NORTH", C 2K 70% spacing;
Table of letter and object lefts

N	O	R	T	H
4.49	11.35	17.19	22.17	27.03

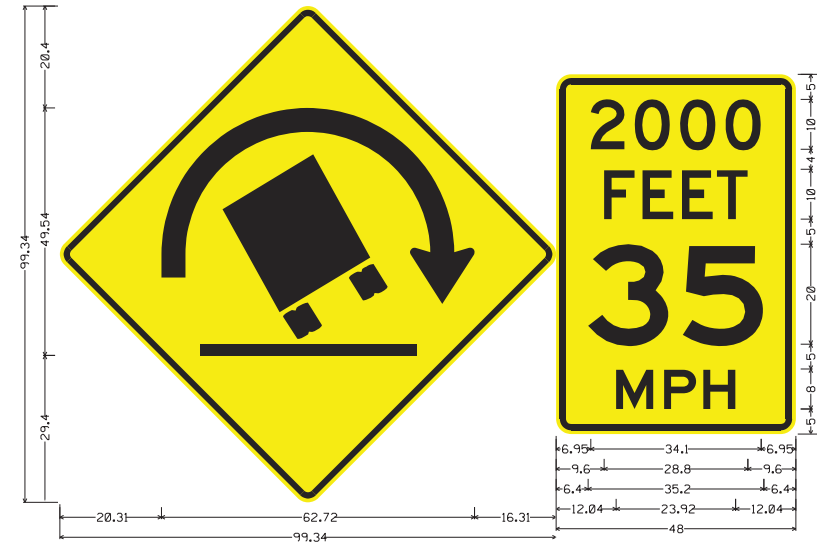
SIGN NO. 39



45M1-4(XXX);
2.25" Radius, No border, Black;
Table of letter and object lefts

1.00

SIGN NO. 39

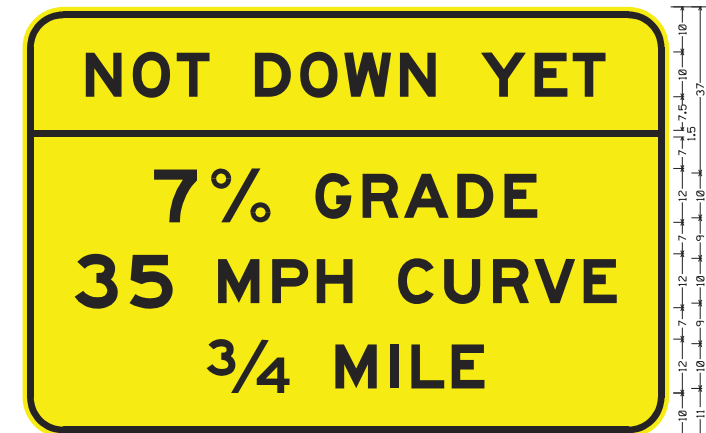


72W1-13R;
72.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on, Yellow;
36W1-13R Symbol 200%;

SPECIAL:
3.00" Radius, 1.25" Border, 0.75" Indent, Black on, Yellow;
"2000", D 2K; "FEET", D 2K; "35", E 2K; "MPH", E 2K;
Table of letter and object lefts

2	0	0	0
6.95	15.75	24.85	33.95
F	E	E	T
9.60	17.30	25.20	32.20
3	5		
6.40	25.40		
M	P	H	
12.04	21.64	29.48	

SIGN NO. 44



14.05	27.7	40.4	10	27.8	14.05		
2.5	29.26	9.72	13.26	10	49.5	29.26	2.5
11.57	21.96	10	30.1	10	48.8	11.57	
41	18.7	10	33.3	41			
144							

SPECIAL:
9.00" Radius, 1.50" Border, 1.00" Indent, Black on, Yellow;
"NOT DOWN YET", E Mod 2K; "7%", E Mod 2K; "35 MPH CURVE", E Mod 2K;
"3/4 MILE", E Mod 2K;

W	O	T	D	O	W	N	Y	E	T
14.05	24.55	34.35	51.75	61.85	71.65	84.05	102.15	114.05	122.55
7	%	G	R	A	D	E			
29.26	41.98	65.24	75.74	84.94	96.84	107.34			
3	5	M	P	H	C	U	R	V	E
11.57	23.81	43.53	55.63	65.53	83.63	93.93	104.83	114.03	125.03
3/4	M	I	L	E					
41.00	69.74	81.80	86.60	95.60					

SIGN NO. 45

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	File Name: 25354_DES_Striping-Signing_Model.dgn	Date:	Comments	Init.	5615 Wills Blvd, Suite A Pueblo CO, 81008 Phone: 719-546-5734 Fax: 719-546-5414				No Revisions:		US 285 SIGN LAYOUTS				
	Horiz. Scale: 1"=XX' Vert. Scale: As Noted				Region 2				Revised:		Designer: ALC		Structure Numbers		STA 2854-155
	Unit Information PKW				PKW				Void:		Detailer: ALC		Sheet Subsets: A011 of 011		Sheet Number 032

SWMP TEMPLATE (PLAN SHEETS) FOR PROJECTS WITH LESS THAN 1 ACRE OF DISTURBANCE (2/25/2022)

1. SITE DESCRIPTION

The Contractor shall comply with all CDOT contractual requirements. The SWMP Administrator for Construction shall update to reflect current project site conditions.

A. PROJECT SITE LOCATION:

Location or address of construction office:
US 285D - MP 221 - 224, Bailey, Colorado Park County

B. PROJECT SITE DESCRIPTION:

Project includes access and lane changes, passive warnings including rumble strips and signage, and barrier. Specifically: reconstruction of the median to increase the length of left turn lane southbound to Main Street; installation of guardrail and concrete barrier northbound on the right side of the highway along the river and around the curve; marking and delineation of accesses; installation of larger and additional warning signage for curve, speed reduction, and for trucks to remain in low gear; and addition of in-lane transverse rumble strips on the approaches to curve.

C. PROPOSED SEQUENCING FOR MAJOR CONSTRUCTION ACTIVITIES:

The project will remove existing concrete curb, median cover, and asphalt pavement with some pavement markings and install Type 3 and Type 9 guardrail. Pavement will be patched and markings will be installed. An existing drop inlet will be modified by leveling existing grate to new final surface elevation. Project also includes sign installation, replacement, and the installation of one monotube cantilever sign structure.

D. ACRES OF DISTURBANCE:

1. Total area of construction site (LOC): 6 acres
2. Total area of proposed disturbance (LDA): 0.60 acres
3. Total area of seeding: 0.40 acres

E. EXISTING SOIL DATA:

0 - 8 Inches: Gravelly Sandy Loam
8-18 Inches: Sandy Clay Loam, Gravelly Sandy Clay Loam, Loam
8-18 Inches: Coarse Sandy Loam, Sandy Loam, Gravelly Sandy Loam
8-18 Inches: Weathered Bedrock
Data Source(s): <https://websoilsurvey.sc.egov.usda.gov/App/HomePage.html>

F. EXISTING VEGETATION, INCLUDING PERCENT OF VEGETATIVE COVER:

During design, the SWMP Administrator for Design in consultation with the Engineer will determine if the SWMP Administrator for Design or the SWMP Administrator for Construction will conduct the Vegetation Transects. If the site is disturbed, an Adequate Reference Site(s) may be utilized, refer to the permit.

Pre-Construction Date of survey: _____ Percent Existing Vegetative Cover: _____
Description of existing vegetation: _____
Method for determining percent vegetative cover: _____
Include a map or table showing transect locations, photos documenting pre-Construction vegetative cover, and methodology used to determine existing vegetative cover to SWMP tab 17:

Post-Construction Date of survey: _____ Percent Vegetative Cover: _____
Description of vegetation: _____
The method used to determine pre-construction percent cover shall be used to determine post construction percent cover.
Include map or table showing transect locations, photos documenting post-Construction vegetative cover, and methodology used to determine existing vegetative cover to SWMP tab 17:

2. STORMWATER MANAGEMENT CONTROLS FOR FIRST CONSTRUCTION ACTIVITIES

THE CONTRACTOR SHALL PERFORM THE FOLLOWING:

A. POTENTIAL POLLUTANT SOURCES

Refer to Potential Pollutant Sources in SWMP Section 4A. Evaluate, identify and describe all potential sources of pollutants at the site in accordance with subsection 107.25 and place any Control Measures required to contain potential pollutants.

B. OFFSITE DRAINAGE (RUN ON WATER):

Place Control Measures to address run-on water in accordance with subsection 208.03.

C. CONSTRUCTION DEWATERING:

Obtain a CDPS Dewatering Permit from CDPHE if conditions of their Low Risk Guidance for Discharges of Uncontaminated Groundwater to Land are not met; see subsections 107.02 and 107.25.

Refer to CDPHE Low Risk Discharge Guidance Document of Uncontaminated Groundwater to Land.
<https://www.colorado.gov/pacific/sites/default/files/WQ%20LOW%20RISK%20GW.pdf>

D. VEHICLE TRACKING CONTROL:

Control Measures shall be implemented in accordance with subsection 208.04.

E. PERIMETER CONTROL:

Perimeter control shall be established as the first item on the SWMP to prevent the potential for pollutants leaving the construction site boundaries, entering the stormwater drainage system, or discharging to state waters.
Perimeter control may consist of berms, silt fence, erosion logs, existing landforms, or other Control Measures as approved.

3. QUALIFIED STORMWATER MANAGERS:

A. SWMP ADMINISTRATOR FOR DESIGN:

CDOT Certified individual responsible for developing SWMP Plan Sheets and SWMP Site Maps during the design phase.

Name/Title	Contact Information [phone & email]	Certification #
Allison Childs	719-546-5482 allison.childs@state.co.us	1F2C48AA


B. SWMP ADMINISTRATOR FOR CONSTRUCTION:

(As defined in Section 208) The Contractor shall designate a SWMP Administrator for Construction. The SWMP Administrator for Construction shall become the operator for the SWMP and assume responsibility for all design changes to the SWMP implementation and maintenance in accordance to 208.03, the SWMP shall remain the property of CDOT. The SWMP Administrator for Construction shall be responsible for implementing, maintaining, and revising SWMP, including the title and contact information. The activities and responsibilities of the SWMP Administrator for Construction shall address all aspects of the project's SWMP. (Update the information below for each new SWMP Administrator for Construction) (Copy of TECS Certification must also be included in the SWMP.)

Name/Title	Contact Information (phone & email)	TECS Certification #	Start Date	Engineer Approval

C. PERMANENT STABILIZATION SUBJECT MATTER EXPERT: This qualified individual will be either a Regional Environmental Staff member, or an Independent Contractor Controller (Independent Assurance Program). This expert is a project team leader responsible for ensuring project adherence to requirements of the 207 and 212 Project Special Provisions as follows, and will be available for questions regarding permanent stabilization requirements.
<https://www.codot.gov/programs/environmental/landscape-architecture/assets/inspection-and-verification-checklist-for-roadside-revegetation -111621 v3.pdf>

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	File Name: 25354_General Sheets.dgn	Date:	Comments	Init.		No Revisions:		Designer: ALC Detailer: ALC Structure Numbers:			STA 2854-155
	Horiz. Scale: 1"=XX' Vert. Scale: As Noted					Revised:					Sheet Subset: SWMP Subset Sheets: 1 of 006
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NON-STRUCTURAL Control Measures that may be potentially used on the project for erosion and sediment control; practices may include, but are not limited to: Erosion control devices are used to limit the amount of soil loss on site. Sediment control devices are designed to capture sediment on the project site.

APPLICATION, CONTROL MEASURE	NARRATIVE	M-STANDARD or "For NON-STANDARD	IN USE ON SITE	CONTROL MEASURE IMPLEMENTATION PHASE		
				INITIAL ACTIVITY	INTERIM ACTIVITIES	PERMANENT STABILIZATION
TOPSOIL MANAGEMENT STOCKPILE/SALVAGE Stockpile	Prior to any site disturbance work commencing, existing topsoil shall be scraped to a depth four inches or as specified, and placed in stockpiles or windrows. Upon completion of final grading, topsoil shall be evenly distributed over embankment to a depth of four inches or as specified.	M-208		X	X	X
BONDED FIBER MATRIX or MULCHING (HYDRAULIC)	Not to be used in areas of concentrated flows, i.e. ditch lines. To be for either Interim or Permanent Stabilization placed as a surface cover for erosion control. May be used as surface cover when work is temporarily halted and as approved by the Engineer for stockpiles.				X	
SEEDING PERMANENT (NATIVE)	Permanent Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas.					X
Sweeping	Source control, used to remove sediment tracked onto paved surfaces and to prevent sediment from entering drainage system. Sweep daily and at the end of the construction shift as needed. Kick brooms shall not be permitted.			X	X	X

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	Unit Information PKW					Void:	Sheet Subset: SWMP	Subset Sheets: 5 of 006		Sheet Number 037
				Region 2		PKW				

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9. TABULATION OF STORMWATER QUANTITIES

1. Control Measure sediment removal and disposal shall be paid for as: 208 Removal and Disposal of Sediment (Equipment) and 208 Removal and Disposal of Sediment (Labor). All other control measure maintenance shall be included in the cost of the control measure.

PSP Spec.	Pay Item	Description	Pay Unit	Initial Const.	Interim Const.	Permanent Stabilization	*Total Quantity
	202-00700	Topsoil (Onsite)	CY	x		x	50
	208-00006	Erosion Log Type (Special)	LF	x	x		1200
	208-00046	Pre-fabricated Concrete Washout Structure (Type 1)	Each	x	x		1
	208-00051	Storm Drain Inlet Protection (Type I)	LF	x	x		30
	208-00106	Sweeping (Sediment Removal)	Hour	x	x		24
	212-00700	Organic Fertilizer	Pounds			x	240
	212-00702	Biotic Soil Amendments (Hydraulic Applied)	Pounds			x	26
	212-00703	Humate	Pounds			x	26
	212-00704	Mycorrhizae	Pounds			x	8
	212-00707	Seeding (Native) Hydraulic	Acre			x	0.40
	213-00012	Spray-on Mulch Blanket	Acre			x	0.40
X	700-70380	F/A Erosion Control	FA				1

*It is anticipated that additional control measures and control measure quantities not shown on the SWMP Site Maps shall be required on the project for unforeseen conditions and replacement of items that are beyond their useful service life, see subsections 208.03 and 208.04. **Quantities for all control measures shown above are estimated, and have been increased for unforeseen conditions and normal control measure life expectancy.** Quantities shall be adjusted according to the conditions encountered in the field as directed and approved by the Engineer. Payment shall be for the actual work completed and material used.
 **Pay Item 208-00071 is included for anticipated maintenance of vehicle tracking pads based on the service life of the control measure in the field. The use of the material shall be directed and approved by the Engineer.
 *** Using Erosion Control Management Pay Item on the project must be approved by the Regional Environmental Staff and Engineer. See 208.11 for method of measurement for the day pay unit.
 **** F/A refers to CDOT's Force Account Pay Items.

10. BIOLOGICAL IMPACTS and DEWATERING

A. ENVIRONMENTAL IMPACTS:


Wetland Impacts: NO
 Stream Impacts: NO
 Threatened and Endangered Species:

DEWATERING:
 (Not covered under the CDPHE guidance document Low Risk Discharge Guidance Discharges of Uncontaminated Groundwater to Land):
<https://www.colorado.gov/pacific/sites/default/files/WQ%20LOW%20RISK%20GW.pdf>
 Dewatering: Refer to other environmental permits in accordance with subsection 107.02 and the permits contained in Tab 16 of the SWMP.
 If groundwater does not meet water quality standards for receiving water a separate CDPHE Dewatering Permit shall be obtained by the Contractor from CDPHE in accordance with subsections 107.02 and 107.25.

11. NOTES

A. Pay items and quantities for 207-00700 Topsoil (Onsite) are based on a 4-inch lay of topsoil required for all seeding areas. Calculations for the combined volume of 50 CY are based on the seeding limits. Analysis of the suitability of existing topsoil has not been performed. Contractor shall determine the suitability of existing topsoil's for stockpiling onsite or importing offsite topsoil (207-00702).

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