

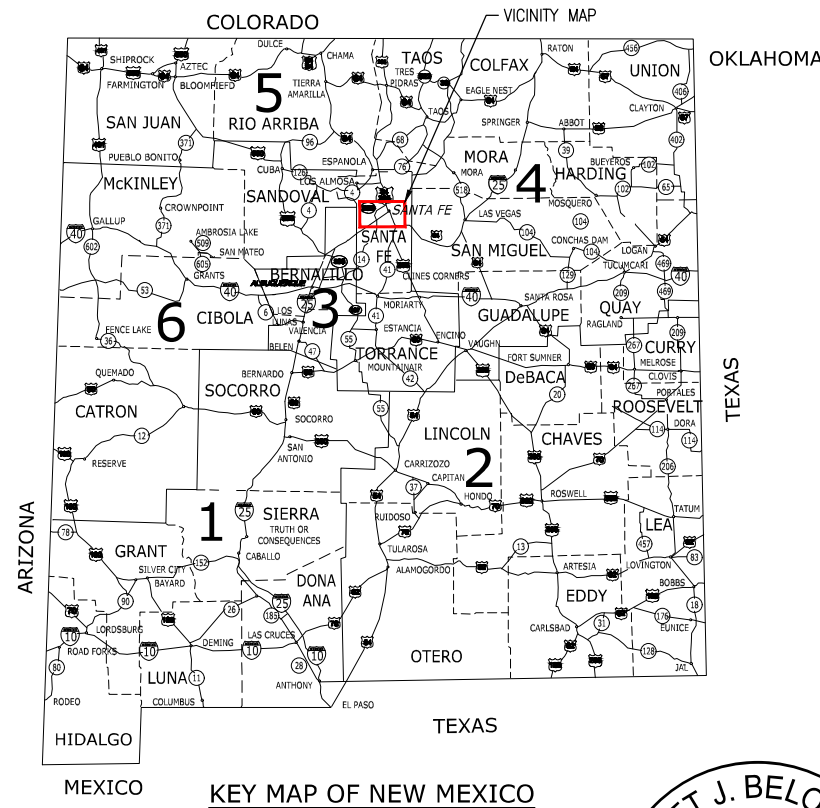
# SANTA FE COUNTY, NEW MEXICO PUBLIC WORKS DEPARTMENT ARROYO HONDO TRAIL

## SEGMENTS 2 and 3 NM 14 TO RANCHO VIEJO FIRE STATION TRAILHEAD AND RANCHO VIEJO TO RICHARDS AVENUE AND AVENIDA DEL SUR CN S100630 and CN S100640

CN: S100630  
LENGTH OF SEGMENT 2  
SEGMENT 2: STA 20+00 TO 83+10.62 = 6310.62 LF = 1.20 MILES  
SEGMENT 2 SPUR: STA 45+29.84 TO 46+60.85 = 131.01 LF = 0.02 MILES  
TOTAL = 6426.49 LF = 1.21 MILES

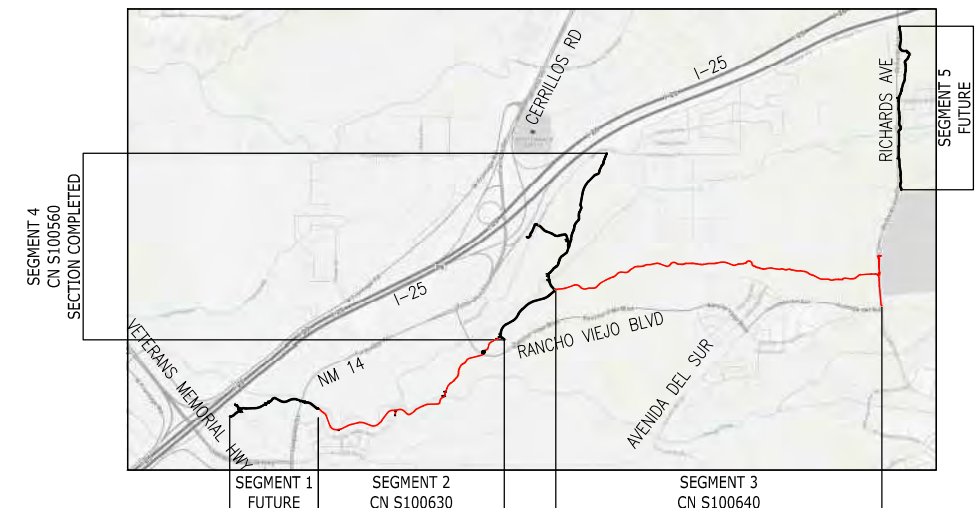
CN: S100640  
LENGTH OF SEGMENT 3  
SEGMENT 3: STA 30+00 TO 127+43.20 = 9743.20 LF = 1.85 MILES  
SEGMENT 3A: STA 300+00 TO 305+17.94 = 517.94 LF = 0.10 MILES  
TOTAL = 10261.10 LF = 1.95 MILES

TOTAL PROJECT = 16,687.59 LF = 3.16 MILES



### SEGMENT 2 AND 3 INDEX OF SHEETS

SHEET NO	DRAWING NO	DESCRIPTION
1	TT-01	COVER SHEET
2	GN-01	GENERAL NOTES
3-5	SQ-01 to SQ-03	SUMMARY OF APPROXIMATE QUANTITY
6-7	OS-01 to OS-02	OVERALL SITE MAP
8	EC-01	ENVIRONMENTAL COMMITMENTS
9-19	EC-01 and EC-11	SWPPP AND EROSION CONTROL
20-21	SA-01 to SA-02	SITE ACCESS PLAN
22-23	TC-01 to TC-02	TRAFFIC CONTROL
24-25	TS-01 to TS-02	TYPICAL SECTIONS
26-28	DT-01 to DT-03	DETAILS
29-30	SY-01 to SY-02	LAND SURVEY CONTROL DIAGRAM
31-35	GE-01 to GE-05	GEOMETRIC CONTROL PLANS
36-51	PP-01 to PP-16	PLAN AND PROFILES
52	AG-01	AT-GRADE CROSSING DETAILS
53	RI-01	REFUGE ISLAND DETAILS
54	PT-01	PATH TIE INS DETAILS
55	B-01	BRIDGE GENERAL INFORMATION
56	B-02	BRIDGE GENERAL LAYOUT
57-58	B-03 to B-04	BRIDGE DETAILS
59	GW-1	GRAVITY WALL PLAN & PROFILE
60-61	UR-1 to UR-2	UTILITY PLANS
62-66	CP-01 to CP-05	CULVERT PLAN & PROFILES
67-91	X-1 to X-25	CROSS SECTIONS
92	W1-1	WAYFINDING GENERAL NOTES
93-94	W2-2 & W3-2	WAYFINDING PLAN
95-96	W2-3 & W3-3	WAYFINDING PLAN SIGN CONTENT MATRIX
97-100	W-1 to W-4	WAYFINDING DETAILS



### PROJECT INTENT:

THE PURPOSE OF THIS PROJECT IS TO CONSTRUCT A CONCRETE SHARED USE PATH CONNECTING THE EXISTING CONCRETE PATH CURRENTLY TERMINATING AT THE RANCHO VIEJO FIRE STATION TO A NEIGHBORHOOD PARK IN THE TURQUOISE TRAILS SUBDIVISION. THE PROJECT INCLUDES CONCRETE SIDEWALK 6" (COLORED), EARTHWORK, EROSION CONTROL, ONE PREFABRICATED STEEL TRUSS BRIDGE INCLUDING DRILLED SHAFT FOUNDATIONS, CURB AND GUTTER FOR REFUGE ISLAND CROSSING RANCHO VIEJO BOULEVARD, SEEDING AND TRAIL SIGNS.

### NMDOT STANDARD DRAWINGS REFERENCED

NMDOT STANDARD DETAIL DRAWINGS REFERENCED	
DRAWING NUMBER	DRAWING TITLE
603-01-1/7 THROUGH 7/7	TEMPORARY EROSION & SEDIMENT CONTROL MEASURES (4-29-04)
701-02-1/3 THROUGH 3/3	SMALL SIGN SUPPORT INSTALLATION DETAILS (01-11-05)



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Print Date: Sep 05, 2023  
File Name: 20307 (01) Title Sheet (Seg2 & Seg3).dwg  
Horiz. Scale: Vert. Scale: As Noted  
Unit Information Unit Leader Initials

Sheet Revisions			
Date:	Comments	Init.	



As Constructed

No Revisions:

Revised:

Void:

ARROYO HONDO TRAIL  
COVER SHEET

Designer: SJB  
Detailer: BDZ  
Sheet Subset: TT-01  
Structure Numbers  
Subset Sheets: 1

Project No./Code

Arroyo Hondo Trail

325-12126

1

GENERAL NOTES

1. THE NEW MEXICO DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, 2019 EDITION" SHALL GOVERN CONSTRUCTION OF THIS PROJECT.

MONUMENTATION INFORMATION

2. INFORMATION PERTAINING TO THE MONUMENTATION FOR THIS PROJECT MAY BE OBTAINED FROM THE SANTA FE COUNTY - GIS DIVISION AT (505)995-2732.

EARTHWORK

3. THE EARTHWORK QUANTITIES ARE BASED ON FINAL VOLUMES COMPACTED IN PLACE. ON-SITE EXCAVATION AND BACKFILL QUANTITY IS BASED ON AN ASSUMED SHRINKAGE FACTOR OF 20%.

4. UNLESS OTHERWISE STATED WITHIN THIS PLAN SET, ALL SIDE SLOPES SHALL BE 3H:1V MAXIMUM, KEEPING SLOPES FLATTER WHEREVER POSSIBLE AS DIRECTED BY THE PROJECT MANAGER. SLOPES SHALL TRANSITION SMOOTHLY TO EXISTING GRADES AND ADJACENT STRUCTURES IN ALL CASES. THE CONTRACTOR SHALL WARP SLOPES WHERE NECESSARY TO STAY WITHIN THE RIGHT-OF-WAY OR CONSTRUCTION LIMITS, OR TO MEET EXISTING STRUCTURES.

5. THE CONTRACTOR SHALL BE RESTRICTED TO THE USE OF A 35-TON NON-VIBRATING ROLLER MAXIMUM TO OBTAIN THE REQUIRED COMPACTION FOR EMBANKMENT AND SUB GRADE ADJACENT TO VERTICAL BANKS, WHERE THE USE OF HEAVIER EQUIPMENT COULD DAMAGE UNDERGROUND UTILITIES OR OTHER STRUCTURES.

6. CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET, INTO STORM DRAIN SYSTEMS, OR DOWN ARROYOS.

UTILITIES

7. \*\* WARNING \*\* - EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN APPROXIMATE MANNER ONLY, AND OTHER SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES, IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.

8. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES WHEN WORKING NEAR THEIR SYSTEMS. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CALL NEW MEXICO ONE CALL SYSTEM INC. AT 1-800-321-2537 REGARDING LOCATION OF EXISTING UTILITIES. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE ITS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.

9. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES AND THEIR APPURTENANCES WITHIN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL ASCERTAIN THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT. DAMAGES OR REPAIRS THAT OCCUR DURING CONSTRUCTION SHALL BE MADE AT THE CONTRACTOR'S EXPENSE AND NO ADDITIONAL PAYMENT WILL BE MADE THEREFORE. THE INCIDENTAL WORK SHALL ALSO.

10. CONTRACTOR SHALL INSTALL FLUSH EMBEDDED UTILITY MARKER FOR WATER LINES ON THE PROPOSED PAVEMENT TO REPLACE THE EXISTING CARSONITE WATER LINE MARKER.

11. CONTRACTOR SHALL CALL SANTA FE COUNTY UTILITY DEPARTMENT IF UTILITY TAPE IS EXPOSED AND MUST MAINTAIN ACCESS TO WATER LINE AIR RELEASE VALVES (ARV) AT ALL TIMES.

TRAFFIC CONTROL

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR TRAFFIC CONTROL PROCEDURES FROM SANTA FE COUNTY PUBLIC WORKS. PAYMENT FOR ALL TRAFFIC CONTROL SHALL BE MADE UNDER ITEM 702810 - TRAFFIC CONTROL DEVICES FOR CONSTRUCTION (LS).

GENERAL CONSTRUCTION

13. MAINTENANCE OF AS-BUILT PLANS: THE CONTRACTOR SHALL MAINTAIN AN UP-TO-DATE SET OF AS-BUILT PLANS FOR THE PROJECT. THESE PLANS SHALL BE KEPT CURRENT WITHIN TWO WEEKS AT ALL TIMES AND SHALL BE SUBJECT TO REVIEW BY THE PROJECT MANAGER THROUGHOUT THE PROJECT AND WILL BE REVIEWED BY THE PROJECT MANAGER FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 30 DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE PROJECT MANAGER PRIOR TO FINAL PAYMENT.

14. CONTRACTOR SHALL RECORD DATA REGARDING ALL UTILITY LINES AND ACCESSORIES FOR THE PREPARATION OF "AS BUILT" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED TO COMPLETE THE PROJECT. ADDITIONAL REMOVALS NOT SHOWN ON THE PLANS MAY BE DESIGNATED BY THE PROJECT MANAGER. ALL REMOVALS, UNLESS OTHERWISE INDICATED, WILL BE INCIDENTAL TO BID ITEM 201000, CLEARING AND GRUBBING.

16. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR MUST MAKE ARRANGEMENT TO STORE EQUIPMENT AND MATERIALS OUTSIDE PUBLIC RIGHT-OF-WAY.

17. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL REMOVE ANY GRAFFITI WITHIN 24 HOURS FROM ALL EQUIPMENT, VISIBLE SURFACES, WHETHER PERMANENT OR TEMPORARY.

TRAIL CONSTRUCTION NOTES:

1. TRAIL ALIGNMENT: IT IS EXPECTED THAT THE CONTRACTOR MAKE MINOR ADJUSTMENTS TO THE ALIGNMENT DURING CONSTRUCTION TO IMPROVE DRAINAGE, AVOID IMPACTS TO VEGETATION THAT ARE NOT SPECIFICALLY IDENTIFIED FOR REMOVAL, MINIMIZE SITE IMPACTS. ALIGNMENT SHIFTS OF GREATER THAN 2' SHALL BE APPROVED BY THE OWNER PRIOR TO COMPLETING CONSTRUCTION. MINOR MODIFICATIONS TO THE DESIGN DURING CONSTRUCTION ARE AN EXPECTED PART OF THE WORK AND NOT JUSTIFICATION FOR CHANGES TO THE CONTRACT.

2. LONGITUDINAL GRADES: UNLESS OTHERWISE SHOWN IN THE PLANS, THE TRAIL SHALL BE CONSTRUCTED ACCORDING TO THE FOLLOWING MAXIMUM LONGITUDINAL GRADES:

1:20 (5%) ANY DISTANCE

LONGITUDINAL GRADES THAT EXCEED THESE VALUES SHALL BE APPROVED BY THE OWNER PRIOR TO COMPLETING CONSTRUCTION UNLESS OTHERWISE SPECIFICALLY IDENTIFIED IN THE PLANS.

3. CROSS SLOPE: THE TREAD CROSS SLOPE SHALL BE LESS THAN 2% UNLESS OTHERWISE SHOWN IN THE PLANS. THE CONTRACTOR SHALL VERIFY CROSS SLOPE WITH A 2 FOOT LONG DIGITAL SMART LEVEL OR OTHER APPROPRIATE MEASURING TOOLS DURING CONSTRUCTION TO PROPERLY CONSTRUCT TREAD CROSS SLOPE.

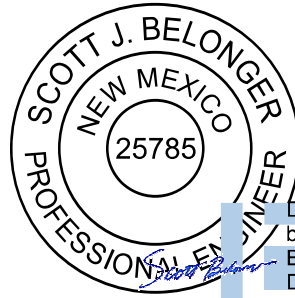
4. VEGETATION: THE CONTRACTOR SHALL PROTECT EXISTING VEGETATION NOT SPECIFICALLY IDENTIFIED FOR REMOVAL TO THE GREATEST EXTENT POSSIBLE. REMOVAL OF TREES, UNLESS SPECIFICALLY IDENTIFIED IN THE PLANS SHALL BE APPROVED BY THE OWNER PRIOR TO REMOVAL.

5. DITCHES: CONSTRUCT DITCHES TO BE FREE OF LOOSE ROCKS, ROOTS, STICKS, AND OTHER OBSTRUCTIONS UNLESS OTHERWISE SHOWN IN THE PLANS.

6. SITE ACCESS: THE CONTRACTOR SHALL USE THE PROPOSED TRAIL ALIGNMENT AND EASEMENT AREA FOR THE TRANSPORT OF MATERIALS AND EQUIPMENT DURING CONSTRUCTION. THE CREATION OF ADDITIONAL PARALLEL ACCESS ROUTES OUTSIDE OF THE EASEMENT AREA WILL NOT BE ALLOWED. ANY AREA DISTURBED OUTSIDE OF THE FINISHED TRAIL TREAD AND SEEDING LIMITS MUST BE RESTORED TO PRECONSTRUCTION CONDITIONS AT NO ADDITIONAL COST TO THE PROJECT.

UTILITY CONTACTS

Table with 3 columns: UTILITY, ENTITY, TELEPHONE. Rows include WATER, WASTEWATER, SOLID WASTE, ELECTRIC, GAS, TELEPHONE, CABLE TV.



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LEGEND

Legend table listing various line types and symbols for PROPERTY LINE, EXISTING EASEMENT LINE, PROPOSED - TEMPORARY, PROPOSED - PERMANENT, MAJOR CONTOURS, MINOR CONTOURS, DRAINAGE DIRECTION, FENCE CHAINED LINK, FENCE BARBED WIRE, CABLE FENCE, WROUGHT IRON FENCE, STEEL PIPE FENCE, RAILROAD TIE FENCE, STORM LINE, OVERHEAD ELECTRIC LINE, UNDERGROUND ELECTRIC, GAS LINE, IRRIGATION LINE, SANITARY LINE, CABLE TV LINE, FIBER OPTIC LINE, OVERHEAD TELEPHONE LINE, UNDERGROUND TELEPHONE LINE, WATERLINE.

ABBREVIATIONS TABLE

Large table of abbreviations with columns for AASHTO, ABAN, ABC, ABUT, ALT, AMT, APPROX, ASPH, ASTM, AVG, AWWA, BF, BFV, BLDG, BM, BMP, BOC, BOF, BOW, BRG, BS, C&G, C/C, CB, CDOT, CFS, CJ and their corresponding full names.

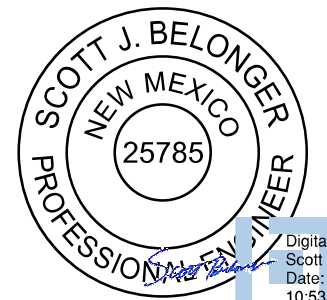
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100% CONSTRUCTION PLANS - SEPTEMBER 2023

Bottom section containing Print Date, File Name, Scale, Unit Information, Sheet Revisions table, Otak logo, Santa Fe County logo, As Constructed status, Designer/Detailer info, and Project No./Code.

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NMDOT ITEM NO.	DESCRIPTION	UNIT	QTY. (UNIT I) SEGMENT 2	QTY. (UNIT II) SEGMENT 3	COMBINED TOTAL
107000	ENVIRONMENTAL COMMITMENTS	L.S.	1	1	1
201000	CLEARING AND GRUBBING	L.S.	1	1	1
203000	UNCLASSIFIED EXCAVATION	CU.YD	1,321	2,014	3,335
206000	UNSUITABLE MATERIAL EXCAVATION	CU.YD.	19		19
206100	SELECT BACKFILL MATERIAL	CU.YD.	13		13
416204	MINOR PAVING TYPE II, HMA SP-IV	TON	10		10
502024	DRILLED SHAFT FOUNDATION 24" DIAMETER	LIN.FT.	80		80
511070	STRUCTURAL CONCRETE, CLASS HPD	CU.YD.	26		26
515000	REINF. CONC. FOR MINOR STRUCTURES	CU.YD.	13		13
541405	PREFAB PEDESTRIAN BRIDGE	L.S.	1		1
570015	15" CULVERT PIPE	LIN.FT.		29	29
570016	15" CULVERT PIPE END SECTION	EACH		2	2
570018	18" CULVERT PIPE	LIN.FT.	44		44
570019	18" CULVERT PIPE END SECTION	EACH	2		2
570030	30" CULVERT PIPE	LIN.FT.	22		22
570036	36" CULVERT PIPE	LIN.FT.		18	18
570037	36" CULVERT PIPE END SECTION	EACH		1	1
601110	REMOVAL OF SURFACING	SQ.YD.	56		56
602000	RIPRAP CLASS A	CU.YD.	6	145	151
602010	RIPRAP CLASS B	CU.YD.	8		8
602020	RIPRAP CLASS C	CU.YD.	78		78
603100	TEMPORARY SOIL STABILANT	ACRE	4	6	10
603260	CULVERT PROTECTION	SQ.YD.	39	26	65
603262	COMPOSTED MULCH SOCK	LIN.FT.	2,100	700	2,800
603281	SWPPP PLAN PREPARATION AND MAINTENANCE	L.S.	1	1	1
607079	PEDESTRIAN/BICYCLE RAILING	LIN.FT.	120		120
607000	WIRE FENCE	LIN.FT.	28		28
607199	REMOVE AND REBUILD FENCE	LIN.FT.		171	171
607201	REMOVE FENCE	LIN.FT.	60	55	115
608006	CONCRETE SIDEWALK 6" (COLORED)	SQ.YD	7,010	12,001	19,011
608404	CONCRETE MEDIAN PAVEMENT 4" (COLORED AND PATTERNED)	SQ.YD	10		10
609205	CONCRETE CUT OFF WALL 2FT TALL	LIN.FT.		272	272
609430	CONCRETE VERTICAL CURB & GUTTER TYPE "B" 6" X 30"	LIN.FT.	70		70
618000	TRAFFIC CONTROL MANAGEMENT	L.S.	1	1	1
621000	MOBILIZATION	L.S.	1	1	1
632000	CLASS A SEEDING	ACRES	4	6	10
664000	LANDSCAPE COMPLETE	L.S.	1	1	1
667219	GRAVITY WALL	SQ.FT.	324		324
701000	PANEL SIGNS	SQ.FT.	54		54
701100	STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS	LIN.FT.	60		60
701963	KIOSK SIGN - SECONDARY	EACH	1	1	2
701964	ORIENTATION MAP SIGN	EACH	1	2	3
701965	DIRECTIONAL SIGN - 1 FLAG	EACH		1	1
701967	DIRECTIONAL SIGN - 3 FLAG	EACH	4	4	8
701968	MARKER SIGN	EACH	2	4	6
701969	MARKER - RULES SIGN	EACH	4	5	9
702000	CONSTRUCTION SIGNING	SQ.FT.	40	20	60
702100	STEEL POSTS AND BASE POSTS FOR CONSTRUCTION SIGNING	LIN.FT.	48	24	72
702810	TRAFFIC CONTROL DEVICES FOR CONSTRUCTION	L.S.	1	1	2
704000	RETROREFLECT-ORIZED PAVEMENT MARKINGS 4"	LIN.FT.	104		104
704704	HOT THERMOPLASTIC PAVEMENT MARKINGS 24"	LIN.FT.	40		40
704728	HOT THERMOPLASTIC PAVEMENT MARKING YIELD LINE	LIN.FT.	20		20
801000	CONSTRUCTION STAKING BY THE CONTRACTOR	L.S.	1	1	1
802000	POST CONSTRUCTION PLANS	L.S.	1	1	1



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Print Date: Sep 05, 2023	Sheet Revisions				As Constructed		ARROYO HONDO TRAIL		Project No./Code	
File Name: 20307 (2A) SAQ (Seg2 & Seg3).dwg	Date:	Comments	Init.		SUMMARY OF APPROXIMATE QUANTITY		Arroyo Hondo Trail		Arroyo Hondo Trail	
Horiz. Scale:      Vert. Scale: As Noted					No Revisions:	Designer: SJB	Structure Numbers	325-12126		
Unit Information      Unit Leader Initials					Revised:	Detailer: BDZ	Subset Sheets:	3		3
				Void:	Sheet Subset: SQ-01					

100% CONSTRUCTION PLANS - SEPTEMBER 2023



### SURFACING SUMMARY

STATION	TO	STATION	RT/LT	DESCRIPTION	60606 CONCRETE SIDEWALK 6" (COLORED)		
					LF	AVG. WIDTH (FT)	SQ.YD
30+00.00		127+43.00		MAIN TRAIL	9743	10.00	10825
300+00.00		305+18.00		SEGMENT 3A	518	10.00	576
500+00.00		504+43.00		SEG 3 SPUR 1	443	8.00	384
600+00.00		601+40.00		SEG 3 SPUR 2	140	8.00	124
700+00.00		700+92.00		SEG 3 SPUR 3	92	8.00	82
<b>SUBTOTAL PROJECT USE</b>							<b>12,001</b>

### CURBING SUMMARY

STATION	TO	STATION	RT/LT	LN.FT	609205 CONCRETE CUT OFF WALL 2FT TALL
50+15.00		50+49.00		RT&LT	68
65+18.00		65+48.00		RT&LT	60
84+40.00		85+12.00		RT&LT	144
<b>SUBTOTAL PROJECT USE</b>					<b>272</b>

### REMOVAL SUMMARY

KEYED NOTE	STATION	TO	STATION	RT/LT	REMOVE AND REBUILD FENCE		REMARKS
					LN.FT	LN.FT	
	119+42.00		119+84.00			55	INTERSECTION OF SEG 3 AND 3A
	125+77.00		127+18.00		141		
	302+80.00		302+90.00		30		AT CULVERT EXTENSION
<b>SUBTOTAL PROJECT USE</b>					<b>171</b>	<b>55</b>	

### DRAINAGE STRUCTURE SUMMARY

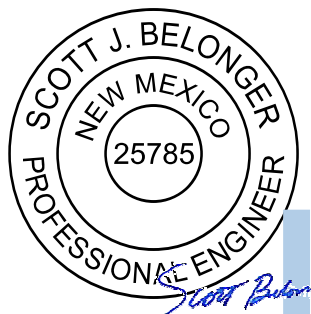
KEYED NOTE	STA	STA	LENGTH	570015 570016 570036 570037 602000					
				15" CULVERT PIPE	15" CULVERT PIPE END SECTION	36" CULVERT PIPE	36" CULVERT PIPE END SECTION	RIPRAP CLASS A	
DP3-2	50+15	50+50	35					11	
DP3-3	51+20	51+50	30					11	
DP3-5	62+56	63+18	62					23	
DP3-6	64+70	65+00	30					11	
DP3-7	84+40	84+60	20					15	
DP3-9	84+83	85+13	30					22	
DP3-10	85+73	86+08	35					13	
DP3-11	96+30	96+70	40					15	
DP3-12	109+50	109+81	31					11	
DP3-13	127+31			29	2		18	1	
DP3-14	302+90						18	1	
<b>SUBTOTAL PROJECT USE</b>				<b>313</b>	<b>29</b>	<b>2</b>	<b>18</b>	<b>1</b>	<b>145</b>

### MISCELLANEOUS LANDSCAPING ITEM SUMMARY

KEYED NOTE	STATION	TO	STATION	RT/LT	664000 LANDSCAPE COMPLETE		REMARKS
					BOLLARD EACH	LITTER RECEPTACLE EACH	
	69+00.00					1	
	72+75.00					1	
	80+00.00					1	
	110+00.00				1	3	
<b>SUBTOTAL PROJECT USE</b>					<b>1</b>	<b>3</b>	

### SEEDING SUMMARY

STATION	TO	STATION	RT/LT	632000 CLASS A SEEDING			603100 TEMPORARY SOIL STABILANT		REMARKS
				LN.FT	AVG. WIDTH (FT)	SQ.FT	ACRE	ACRE	
30+00.00		127+43.00		RT&LT	9,743	20	194,850	4.47	
500+00.00		504+43.00		RT&LT	443	20	8,860	0.20	SEGMENT 3 SPUR 1
600+00.00		601+40.00		RT&LT	140	20	2,800	0.06	SEGMENT 3 SPUR 2
700+00.00		700+92.00		RT&LT	92	20	1,840	0.04	SEGMENT 3 SPUR 3
300+00.00		305+18.00		RT&LT	518	20	10,360	0.24	SEGMENT 3A
Segment 4 - Access Reseeding									
40+00		81+50		RT	250	10	2,500	0.06	
<b>SUBTOTAL PROJECT USE</b>						<b>SQ.FT</b>	<b>221,220</b>	<b>5.079</b>	<b>5.079</b>
<b>SUBTOTAL PROJECT USE</b>						<b>ACRES</b>	<b>6.00</b>	<b>6.00</b>	



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### EARTHWORK SUMMARY

STATION	TO	STATION	RT/LT	303000 UNCLASSIFIED EXCAVATION			REMARKS	
				CU.YD	#BANKHEIGHT	EXCESS MATERIAL		
30+00.00		127+43.00		RT&LT	1,734	1,158	341	MAIN TRAIL
300+00.00		305+18.00			212	233	-67	SEGMENT 3A
500+00.00		504+43.00			47	26	15	SEG 3 SPUR 1
600+00.00		601+40.00			15	10	3	SEG 3 SPUR 2
700+00.00		700+92.00			5	3	1	SEG 3 SPUR 3
<b>SUBTOTAL</b>				<b>2,014</b>	<b>1,430</b>	<b>-298</b>		
<b>SHRINKAGE @ 20%</b>					<b>286</b>			
<b>PROJECT USE</b>				<b>2,014</b>	<b>1,716</b>	<b>298</b>		

### TRAFFIC SIGNS AND PAVEMENT MARKING SUMMARY

KEYED NOTE	TRAIL SEGMENT	STATION	RT/LT	701963 701964 701965 701967 701968 701969 702000 702100								
				KIOSK SIGN - SECONDARY	ORIENTATION MAP SIGN	DIRECTIONAL SIGN - 1 FLAG	DIRECTIONAL SIGN - 3 FLAG	MARKER SIGN	MARKER - RULES SIGN	CONSTRUCTION SIGNING	STEEL POSTS AND BASE POSTS FOR CONSTRUCTION SIGNING	
D-11-1	SEGMENT 3	30+00	LT									
D-15-2	SEGMENT 3	30+00	RT									
M-15-1	SEGMENT 3	31+00	RT					1				
M-16-1	SEGMENT 3	57+25	RT									
D-17-2	SEGMENT 3	67+10	LF									
M-17-1	SEGMENT 3-SPUR 1	504+30	LF							1		
D-18-2	SEGMENT 3	72+25	LF				1					
D-18-3	SEGMENT 3	72+75	LF			1						
M-18-1	SEGMENT 3-SPUR 2	601+33	LT							1		
D-19-2	SEGMENT 3	79+23	LT				1					
M-19-1	SEGMENT 3-SPUR 3	700+72	LT							1		
M-19-3	SEGMENT 3	83+79	LF							1		
M-20-1	SEGMENT 3	110+00	RT									
K-21-1	SEGMENT 3	118+56	LT		1							
D-21-1	SEGMENT 3	119+33	LT									
M-22-1	SEGMENT 3	126+80	LT							1		
M-23-1	SEGMENT 3A	305+00	RT							1		
SPAWNING INFRASTRUCTURE SIGNAGE	SEGMENT 3	300+00 & RICHARD S AVENUE							29		24	
<b>SUBTOTAL PROJECT USE</b>				<b>1</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>20</b>	<b>24</b>	

### TEMPORARY EROSION AND SEDIMENT CONTROL SUMMARY

KEYED NOTE	STATION	TO	STATION	RT/LT	603260 603262		REMARKS
					CULVERT PROTECTION SQ.YD	COMPOSTED MULCH SOCK LN.FT	
	30+00		305+25		RT&LT		
	61+50		63+25		LT		175
	85+75		86+25		LT		50
	126+00		127+50		RT		150
	301+10		305+75		LT		265
	304+50		305+18		LT		60
DP3-13	127+60					13	
DP3-14	302+90					13	
<b>SUBTOTAL PROJECT USE</b>						<b>26</b>	<b>700</b>

### LUMP SUM ITEMS

SPEC NO.	ITEM	UNIT	QUANTITY	REMARKS
107000	ENVIRONMENTAL COMMITMENTS	L.S.	1	
201000	CLEARING AND GRUBBING	L.S.	1	
603261	SWPPP PLAN PREPARATION AND MAINTENANCE	L.S.	1	
618000	TRAFFIC CONTROL MANAGEMENT	L.S.	1	
621000	MOBILIZATION	L.S.	1	
664000	LANDSCAPE COMPLETE	L.S.	1	
702810	TRAFFIC CONTROL DEVICES FOR CONSTRUCTION	L.S.	1	
801000	CONSTRUCTION STAKING BY THE CONTRACTOR	L.S.	1	
802000	POST CONSTRUCTION PLANS	L.S.	1	

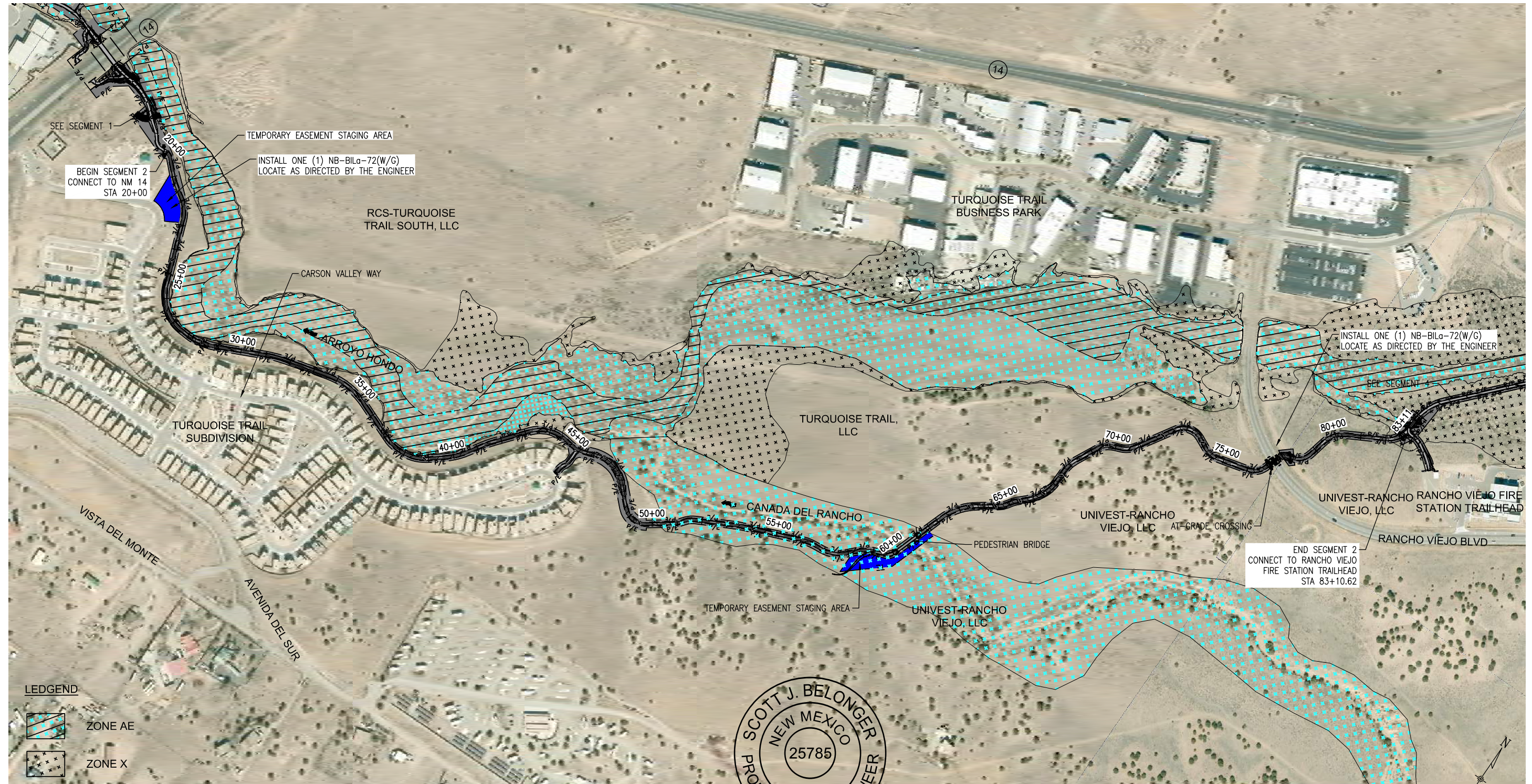
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Horiz. Scale: Vert. Scale: As Noted  
Unit Information Unit Leader Initials

Sheet Revisions			
Date:	Comments	Init.	



As Constructed	ARROYO HONDO TRAIL SUMMARY OF APPROXIMATE QUANTITY (SEGMENT 3)				Project No./Code
No Revisions:					Arroyo Hondo Trail
Revised:	Designer: SJB	Structure Numbers			325-12126
Void:	Detailer: BDZ	Sheet Subset: SQ-03	Subset Sheets: 3	<b>5</b>	

O:\PROJECT\20300\20307\04 CAD\ACAD\Drawings\Segment 2\20307 (04) Overall Site Plan (Seg2).dwg Sep 05, 2023 - 3:37pm



(FEMA FIRM 12/04/2012)



Digitally signed by  
Scott J Belonger  
Date: 2023.09.07  
10:54:51-06'00'

Print Date: Sep 05, 2023	
File Name: 20307 (04) Overall Site Plan (Seg2).dwg	
Horiz. Scale: Vert. Scale: As Noted	
Unit Information Unit Leader Initials	

Sheet Revisions			
Date:	Comments	Init.	



As Constructed
No Revisions:
Revised:
Void:



ARROYO HONDO TRAIL OVERALL SITE PLAN (SEGMENT 2)			
Designer:	SJB	Structure Numbers	
Detailer:	LX		
Sheet Subset:	0S-01	Subset Sheets:	2

Project No./Code	Arroyo Hondo Trail
	325-12126
	<b>6</b>

100% CONSTRUCTION PLANS - SEPTEMBER 2023



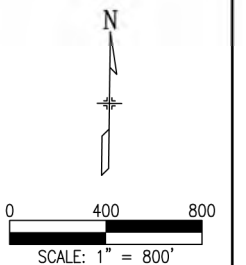
**LEDGEND**

-  ZONE AE
-  ZONE X

(FEMA FIRM 12/04/2012)



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by Scott J  
Belonger  
Date: 2023.09.07  
10:55:19-06'00'



Print Date: Sep 05, 2023	
File Name: 20307 (04) Overall Site Plan (Seg3).dwg	
Horiz. Scale:	Vert. Scale: As Noted
Unit Information:	Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.



As Constructed		ARROYO HONDO TRAIL OVERALL SITE PLAN (SEGMENT 3)	
No Revisions:		Designer: SJB	Structure Numbers
Revised:		Detailer: LX	
Void:		Sheet Subset: 05-02	Subset Sheets: 2

Project No./Code	Arroyo Hondo Trail
	325-12126
	7

## ENVIRONMENTAL COMMITMENTS

THE CONTRACTOR SHALL REFER TO SECTION 107 OF THE 2019 EDITION OF THE STANDARD SPECIFICATIONS, MAKING SPECIALS NOTE OF SUB-SECTION 107.14 "CONTRACTOR'S RESPONSIBILITIES FOR ENVIRONMENTAL AND CULTURAL RESOURCE PROTECTION".

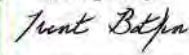


NO ADDITIONAL PROJECT-SPECIFIC ENVIRONMENTAL REQUIREMENTS APPLY.



IN ADDITION TO 107, THE FOLLOWING PROJECT SPECIFIC ENVIRONMENTAL REQUIREMENT APPLY:

1. HISTORIC PROPERTIES: IF PREVIOUSLY UNDOCUMENTED PREHISTORIC OR HISTORIC PROPERTIES ARE IDENTIFIED DURING CONSTRUCTION, ALL GROUND-DISTURBING ACTIVITIES WITHIN 100 FEET OF THE MATERIALS SHALL IMMEDIATELY CEASE AND MEASURES SHALL BE TAKEN TO PROTECT THE CULTURAL RESOURCES. THE PROJECT PROPONENT AND/OR THE CONTRACTOR SHALL IMMEDIATELY CONTACT GWYNETH DUNCAN, NMDOT CULTURAL RESOURCES SECTION SUPERVISOR, AT (505) 699-1633 AND BY EMAIL AT GWYNETH.DUNCAN@DOT.NM.GOV AND ENSURE THAT ALL CONSTRUCTION IN THE AREA HAS CEASED.
2. MIGRATORY BIRD TREATY ACT COMPLIANCE: THE CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE MIGRATORY BIRD TREATY ACT, WHICH PROHIBITS POSSESSION, CAPTURE, OR KILLING OF ANY MIGRATORY BIRD, EGG, OR OCCUPIED NEST. IF OCCUPIED NESTS (I.E., CONTAINING EGGS OR JUVENILE BIRDS) ARE PRESENT DURING CONSTRUCTION, THE PARENTAL BIRDS AND THEIR NESTS MUST BE AVOIDED UNTIL JUVENILE BIRDS HAVE FLEDGED AND FLOWN AWAY FROM NESTS. OCCUPIED NESTS CANNOT BE DISTURBED OR RELOCATED WITHOUT A UNITED STATES FISH AND WILDLIFE SERVICE (USFWS) PERMIT. ANY COST OR SUSPENSION OF WORK CAUSED BY NEST AVOIDANCE, USFWS PERMITTING, OR USFWS PERMIT DENIAL, SHALL BE AT THE CONTRACTOR'S EXPENSE. PRIOR TO THE SEASONAL ONSET OF BIRD NESTING ACTIVITY, THE CONTRACTOR MAY ELECT TO INSTALL AND MAINTAIN BIRD EXCLUSION MEASURES SUCH AS BIRD NETTING, OR PERFORM DAILY MONITORING AND REMOVAL OF NESTING ATTEMPTS BEFORE EGG-LAYING OCCURS, TO PREVENT ESTABLISHMENT OF OCCUPIED NESTS. IN CASES WHERE THE PROJECT PROPONENT ELECTS TO INITIATE NEST PREVENTION MEASURES PRIOR TO CONTRACTOR MOBILIZATION, THE COSTS AND EFFECTIVENESS OF NEST PREVENTION MEASURES SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR UPON THE DATE OF MOBILIZATION.
3. WATER RESOURCES MITIGATION MEASURES: A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO PREVENT INDIRECT IMPACTS IN THE FORM OF SEDIMENT AND CHEMICAL COMPOUND RUNOFF ENTERING THE ADJACENT ARROYO HONDO AND CANADA DEL RANCHO, IMPACTING DOWNSTREAM HABITAT
4. THE FOLLOWING ENVIRONMENTAL RECOMMENDATIONS ARE SUGGESTED TO BE INCLUDED IN THE FINAL CONSTRUCTION PLANS FOR THE PROJECT:
5. BIOLOGICAL COMMUNITY MITIGATION MEASURES: BEST MANAGEMENT SHALL BE USED TO REDUCE THE SPREAD OF NOXIOUS WEEDS TO OTHER AREAS VIA EQUIPMENT, VEHICLES, AND CLOTHING.

DocuSigned by:  
  
 2C407E2EBFCB4A2...

ENVIRONMENTAL PROGRAM MANAGER, NEW MEXICO DEPARTMENT OF TRANSPORTATION

8/24/2023

DATE

O:\PROJECT\20300\20307\04 CAD\ACAD\Drawings\Combined Plan Set\20307 (X) Env Notes.dwg Aug 18, 2023 - 9:34am

Print Date: Aug 18, 2023	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Sheet Revisions					As Constructed			ARROYO HONDO TRAIL ENVIRONMENTAL NOTES			Project No./Code	
File Name: 20307 (X) Env Notes.dwg		Date:	Comments	Init.			No Revisions:			Arroyo Hondo Trail				
Horiz. Scale:      Vert. Scale: As Noted							Revised:			Designer: SJB	Structure Numbers	325-12126		
Unit Information      Unit Leader Initials							Void:			Detailer: LX	Subset Sheets: 3	8		
							Sheet Subset: GN-03							

100% CONSTRUCTION PLANS - AUGUST 2023



**STORM WATER POLLUTION PREVENTION PLAN INFORMATION**

NOI INPUTS CN 5100560	
NMDOT PROJECTS REQUIRE ELECTRONIC NOI SUBMISSION-PAPER SUBMISSION REQUIRES PRIOR APPROVAL.	
NMR120000 STATE OF NEW MEXICO, EXCEPT INDIAN COUNTRY NMR120001 INDIAN COUNTRY WITHIN THE STATE OF NEW MEXICO, EXCEPT NAVAJO RESERVATION LANDS THAT ARE COVERED UNDER ARIZONA PERMIT AZ100001 AND UTE MOUNTAIN RESERVATION LANDS THAT ARE COVERED UNDER COLORADO PERMIT COR100001.	
OPERATOR NAME: SANTA FE COUNTY	
POINT OF CONTACT: SANTA FE COUNTY PROJECT MANAGER	
NOI PREPARED BY: SANTA FE COUNTY PROJECT MANAGER	
PROJECT / SITE NAME: ARROYO HONDO TRAIL SEGMENT 4	
PROJECT / SITE ADDRESS: SANTA FE COUNTY	
LATITUDE:	35.6011 DECIMAL DEGREES
LONGITUDE:	-106.0311 DECIMAL DEGREES
ESTIMATED PROJECT START DATE:	TO BE DETERMINED BY PROJECT MANAGER
ESTIMATED PROJECT COMPLETION DATE:	TO BE DETERMINED BY PROJECT MANAGER
ESTIMATED AREA TO BE DISTURBED (NEAREST 1/4 ACRE):	5.50 ACRES
TYPE OF CONSTRUCTION	TRAIL
DEMOLITION OF ANY STRUCTURES, 10,0000 SQUARE FEET OR GREATER BUILT OR RENOVATED BEFORE JANUARY 1, 1980? (YES/NO)	NO
WAS THE PREDEVELOPMENT LAND USE FOR AGRICULTURE? (YES/NO)	NO
COMMENCED EARTH-DISTURBING ACTIVITIES?:	NO
PREVIOUS NPDES PERMIT? IF YES, PERMIT NO.:	NO
MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4): (NAME)	SEE THIS SHEET FOR MS4 LOCATIONS
SURFACE WATERS WITHIN 50 FT? (YES/NO)	YES
RECEIVING WATER:	ARROYO HONDO
IMPAIRED WATERS: SEE MAP FOR 303D LISTING TMDL LISTINGS ON THIS SWPPP INFORMATION SHEET. CHECK SPECIFIC TMDL LIST HERE: NO	
HTTPS://WWW.ENV.NM.GOV/SWQB/303D-305B/2014-2016/2014-2016NMLIST.PDF	
IMPAIRED WATERS METHOD: ONLINE CONSULTATION OF NEW MEXICO ENVIRONMENT DEPARTMENT LISTING OF STATEWIDE 303D AND TMDL IMPAIRMENTS. TMDL: PLANT NUTRIENTS	
TIER 2, TIER 2.5, TIER 3 WATERS - (CONSULT 2017 CGP APPENDIX "F"): TIER 2	
CHEMICAL TREATMENT INFORMATION - TYPICAL SANTA FE COUNTY PROJECT WILL NOT UTILIZE THESE CHEMICALS.	
SWPPP CONTACT INFORMATION - SANTA FE COUNTY PROJECT MANAGER	
ENDANGERED SPECIES CRITERIA - (A, B, C, D, E, OR F):D BRIEF SUMMARY FOR THE BASIS FOR CRITERION SELECTION: May effect, not likely to adversely effect	
HISTORIC PRESERVATION - HISTORIC PROPERTIES WILL NOT BE IMPACTED.	
THE ENVIRONMENTAL COMMITMENTS WILL INDICATE EXISTENCE OF HISTORIC PROPERTIES. IF HISTORIC PROPERTIES EXIST, THE TESCP SHEETS CAN SHOW NO EFFECT ON HISTORIC PROPERTIES.	
ALL STORMWATER CONTROLS REQUIRE SUBSURFACE DISTURBANCE.	
CERTIFICATION:NOI MUST BE CERTIFIED BY "A PRINCIPAL EXECUTIVE OFFICER OR RANKING ELECTED OFFICIAL".	

**GENERAL NOTES:**

1. THE 2012 EDITION OF NMDOT NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) HANDBOOK AND SECTION 603 - TEMPORARY EROSION AND SEDIMENT CONTROL OF THE 2014 NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION - SHALL BE USED AS MINIMUM REQUIREMENTS TO DEVELOP OR MODIFY THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
2. THE NPDES PERMIT NUMBER FOR THE PROJECT OR A COPY OF THE NOTICE OF INTENT (NOI), IF A PERMIT NUMBER HAS NOT YET BEEN ASSIGNED, SHALL BE POSTED AT THE PROJECT SITE OR THE FIELD OFFICE AT ALL TIMES DURING CONSTRUCTION.
3. THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ALL MAINTENANCE AND INSPECTION REPORTS SHALL BE SIGNED BY A QUALIFIED INSPECTOR ASSIGNED BY CONTRACTOR. THE SWPPP AND THE INSPECTION REPORTS SHALL BE AVAILABLE TO EPA REPRESENTATIVE AT ALL TIMES DURING CONSTRUCTION.
4. ALL DRAINAGE INFORMATION NEEDED TO COMPLETE THE NOTICE OF INTENT (NOI) ARE PROVIDED IN THIS PLAN.
5. BMPS SHOWN ON TESCP ARE DETERMINED USING THE EQUATIONS SHOWN ON THIS SHEET AND OTHER HYDROLOGIC MODELS AS SPECIFIED IN THE DEPARTMENTS DRAINAGE MANUALS LATEST EDITION. BMPS CONTROL SEDIMENT SO THAT NO ADDITIONAL SEDIMENT RESULTING FROM CONSTRUCTION ACTIVITIES DISCHARGE TO WATERWAYS.
6. THE CONTRACTOR SHALL SPECIFICALLY DEFINE ALL REQUIRED CONTROL MEASURES FOR EACH CONSTRUCTION PHASE, AND SHALL COMPLY WITH THE PROVISIONS OF THE NPDES MANUAL AND THE 2012 CONSTRUCTION GENERAL PERMIT.
7. THE TESCP SHEETS INCLUDED IN THE FOLLOWING PAGES OF THESE PLANS PROVIDE A BASIS FOR ESTIMATING QUANTITIES.

**RUNOFF DISCHARGE & VOLUME CALCULATION:**

THE FOLLOWING PROCEDURES SHOULD BE USED TO CALCULATE THE RUNOFF DISCHARGE AND VOLUME TO DESIGN THE EROSION CONTROL MEASURES:

DISCHARGE: Q = CIA  
WHERE: Q = DISCHARGE, cfs  
C = RUNOFF COEFFICIENT  
I = RAINFALL INTENSITY, in/hr  
A = AREA OF THE SITE, acres

VOLUME: V = QT<sub>c</sub>  
WHERE: V = VOLUME, ft<sup>3</sup>  
T<sub>c</sub> = (1/60) 0.0078 L<sup>0.77</sup> S<sup>-0.385</sup> minutes  
Assume T<sub>c</sub> = 10 min. for basins within the project limits  
L = LENGTH OF WATERSHED, ft  
S = SLOPE, ft / ft

**COMPOSTED MULCH SOCK QUANTITIES**

STATION INTERVAL	LENGTH
STA: 24+00 TO 28+00	420 LINEAR FEET
STA: 28+36.26 TO 30+00	165 LINEAR FEET
STA: 36+00 TO 40+00	416 LINEAR FEET
STA: 50+00 TO 56+00	604 LINEAR FEET
STA: 63+00 TO 68+00	512 LINEAR FEET

**TOTAL LENGTH: 2,117 LINEAR FT.**

SWPPP INPUTS	
DRAINAGE PATTERNS	REFER TO TESCP
APPROXIMATE SLOPES AFTER MAJOR GRADING	4H:1V
RAINFALL 2-YEAR, 24-HOUR, inch	1.52 INCHES
2-YEAR, 1-HOUR, inch	0.798 INCHES
INTENSITY, FOR T <sub>c</sub> = 10 minutes	2.34 INCH/HOUR
HYDROLOGICAL SOIL GROUP	A, B, C
CURVE NUMBER (CN), UNDISTURBED AREA	75
CURVE NUMBER (CN), DISTURBED AREA	91
RUNOFF COEFFICIENT, PRIOR TO CONSTRUCTION	0.72
RUNOFF COEFFICIENT, DURING CONSTRUCTION	0.80
RUNOFF COEFFICIENT, AFTER CONSTRUCTION	0.90

Info: RUSLE2 version 2.6.10.3 April 5, 2018

**Inputs:**

Project Name	Location
Sant Fe County Arroyo Hondo Tra	USANew Mexico\Santa Fe County\NM Santa Fe_R13

**Soil Segments:**

Segment	Seg length (horiz), ft	Soil
2	10	201 Tanoan-Encantado complex, 5-25 percent slopes\Tanoan Gravelly sandy loam

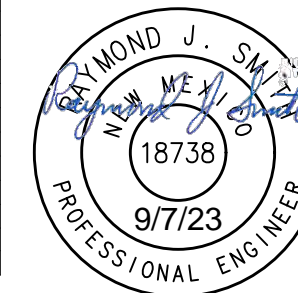
**Slope Segments:**

Segment	Seg length (horiz), ft	Steepness, xH:1V
2	10	4

**Outputs:**

Base management	Soil loss erod. Portion, t/ac/yr	Soil detachment, t/ac/yr	Sed. Delivery, t/ac/yr
MDOT Zone 2\Existing Undisturbed Vegetative Cover\Grass and Shrubs existing 45 pct cano	0.1	0.1	0.1
Class A slopes 3:1 and flatter-drilled seeding with mulch\Spring Drilled seeding, 4000 lb	0.01	0.01	0.01
Class A slopes 3:1 and flatter-drilled seeding with mulch\Summer Drilled seeding, 4000 lb	0.2	0.2	0.2
Class A slopes 3:1 and flatter-drilled seeding with mulch\Fall Drilled seeding, 4000 lb	0.2	0.02	0.2
Class A slopes 3:1 and flatter-drilled seeding with mulch\Winter Drilled seeding, 4000 lb	0.05	0.05	0.05

1 row of mulch sock was applied at top of slope



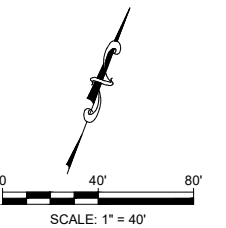
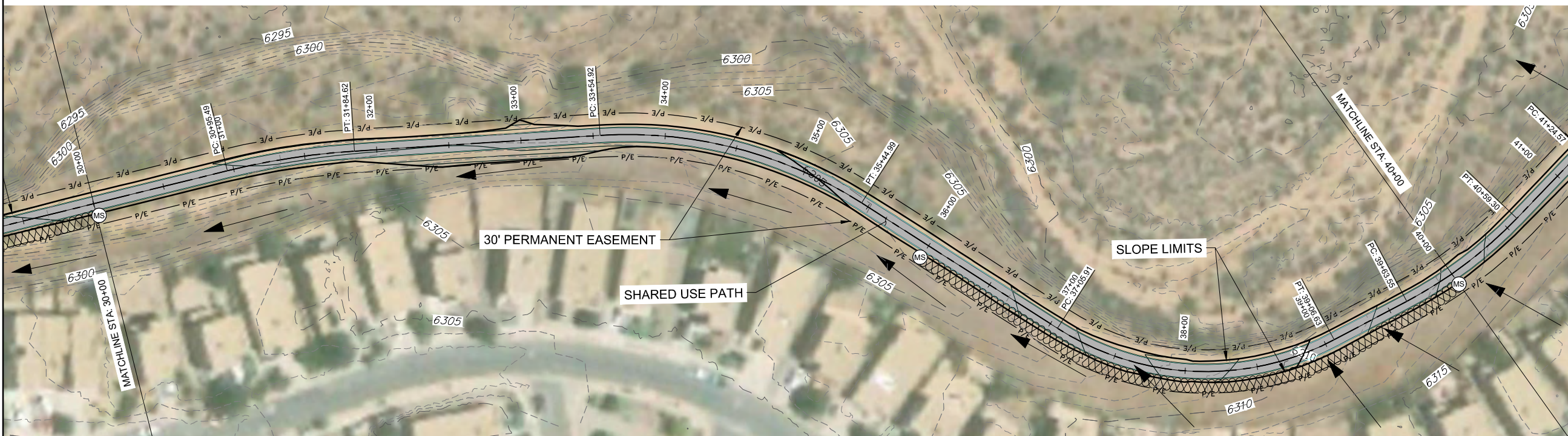
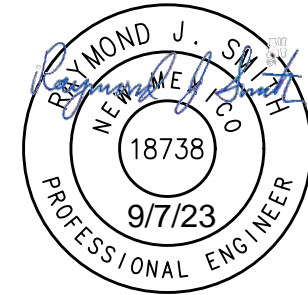
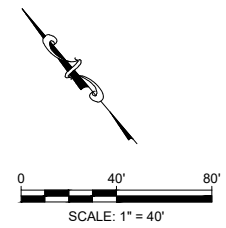
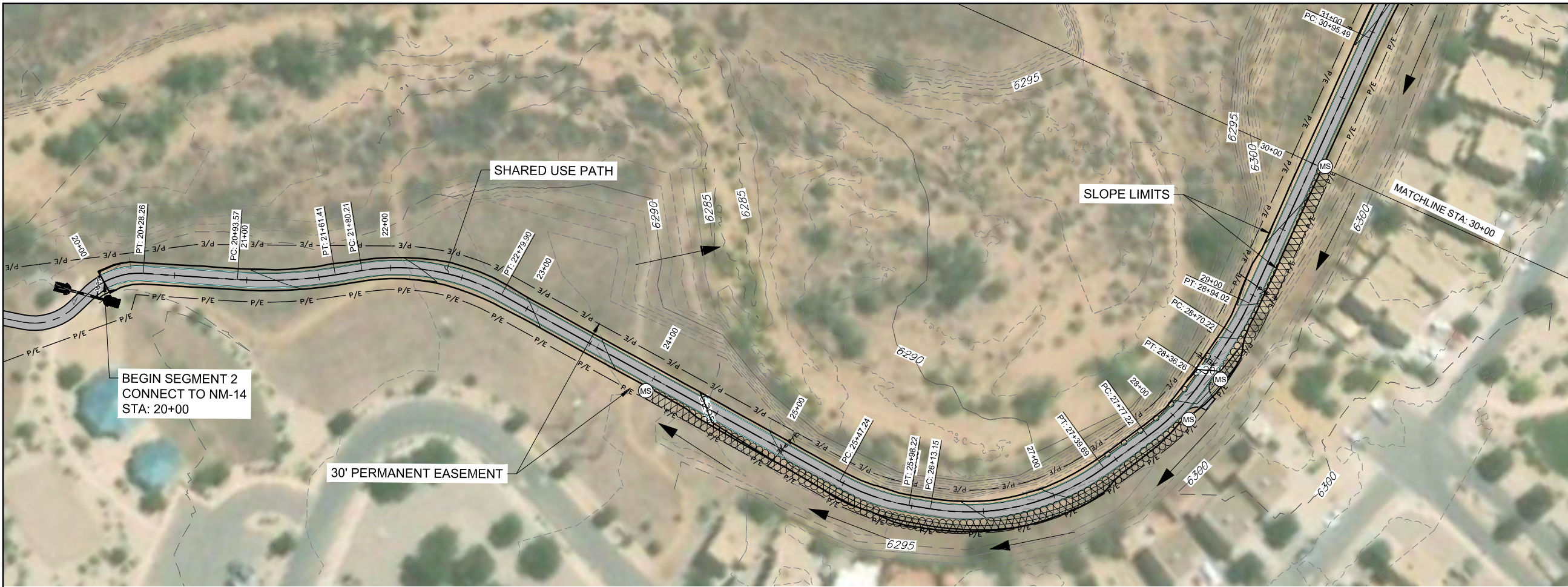
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Horiz. Scale:	Vert. Scale: As Noted
Unit Information	Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.



As Constructed	ARROYO HONDO TRAIL		Project No./Code
No Revisions:	<b>SWPPP INFORMATION SHEET</b>		Arroyo Hondo Trail
Revised:	Designer: SMA	Structure Numbers	325-12126
Void:	Detailer: SMA	Subset Sheets: 4	9
	Sheet Subset: EC-01		

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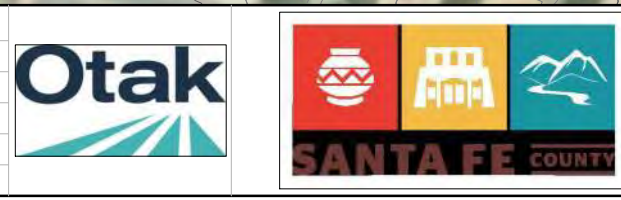


LEGEND	
DISCHARGE POINT	
CHANNELIZED FLOW	
FLOW DIRECTION	
COMPOSTED MULCH SOCK	
CULVERT PROTECTION	



Print Date: MAY 13, 2022	
File Name:	
Horiz. Scale:	Vert. Scale: As Noted
Unit Information	Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.



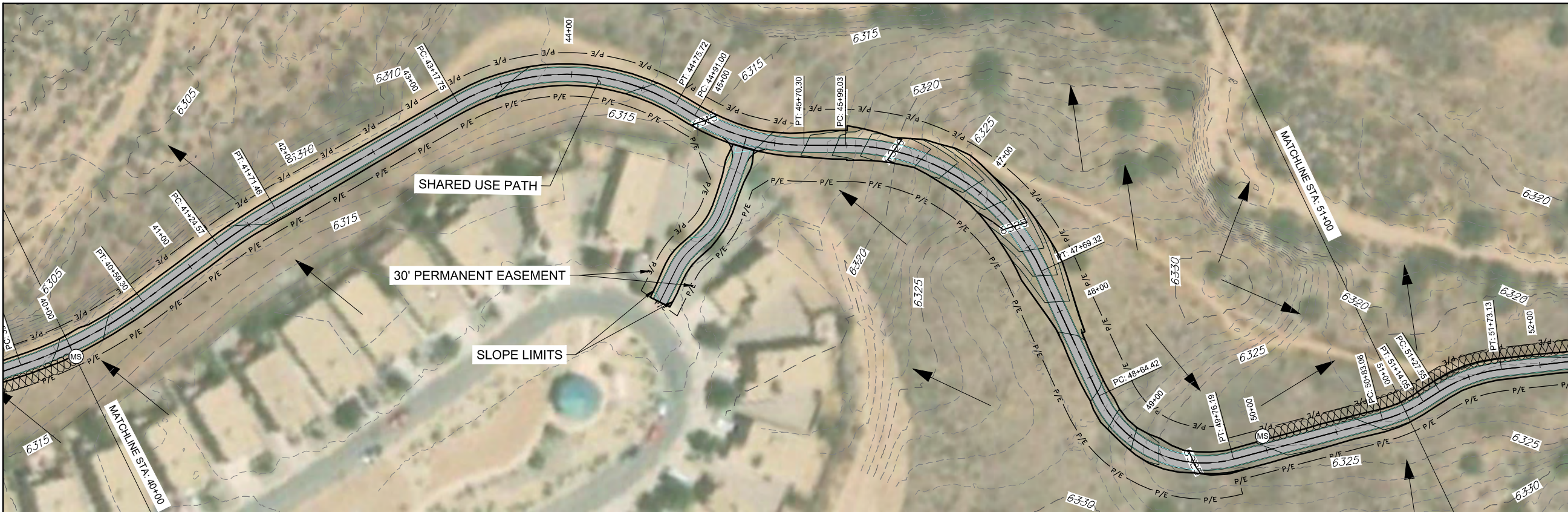
As Constructed	
No Revisions:	
Revised:	
Void:	

ARROYO HONDO TRAIL	
<b>EROSION CONTROL PLAN</b>	
<b>(SEGMENT 2)</b>	
Designer:	SMA
Detailer:	SMA
Sheet Subset:	EC-02

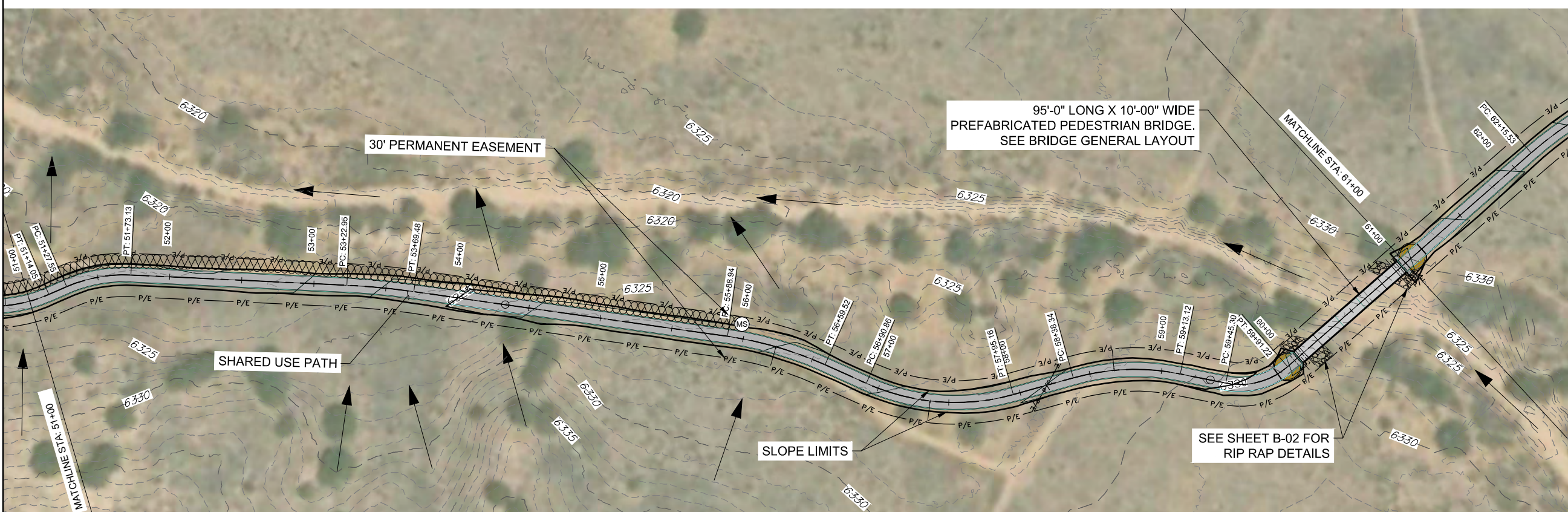
Project No./Code	Arroyo Hondo Trail
	325-12126
	10

100% CONSTRUCTION PLANS - SEPTEMBER 2023

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0 40' 80'  
SCALE: 1" = 40'



0 40' 80'  
SCALE: 1" = 40'

**LEGEND**

- DISCHARGE POINT →
- CHANNELIZED FLOW →
- FLOW DIRECTION →
- COMPOSTED MULCH SOCK (MS) [Symbol]
- CULVERT PROTECTION [Symbol]

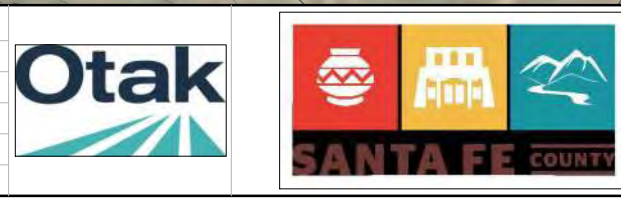
Print Date: MAY 13, 2022

File Name:

Horiz. Scale:                      Vert. Scale: As Noted

Unit Information                      Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.



As Constructed

No Revisions:

Revised:

Void:

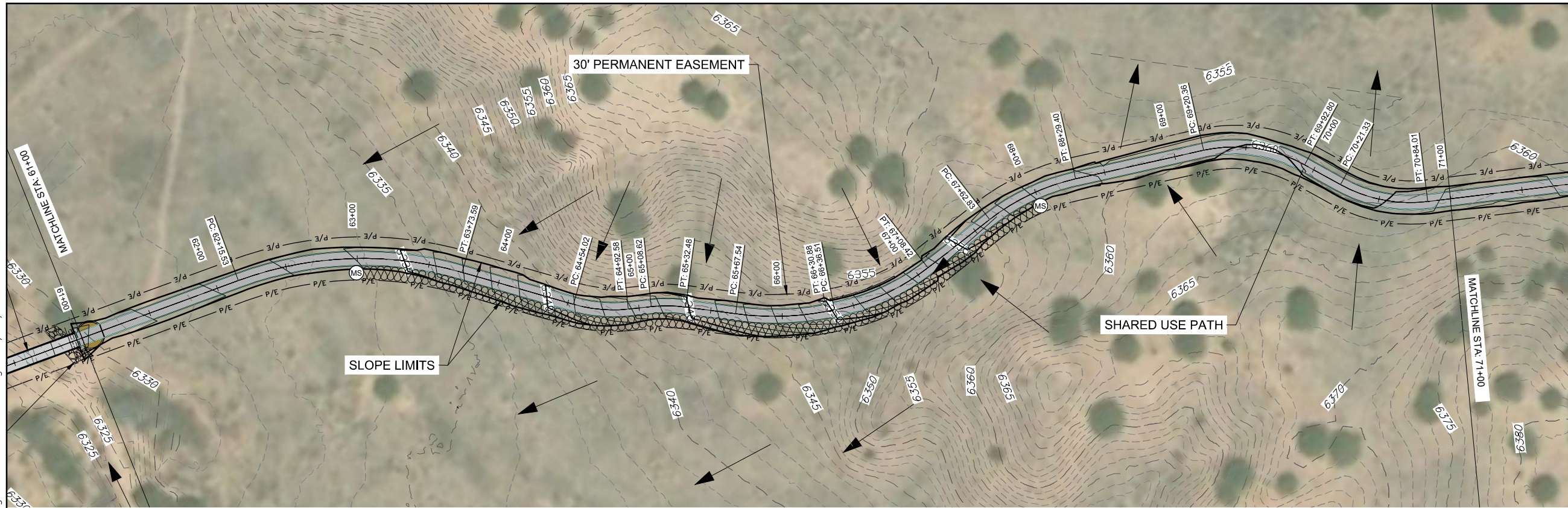
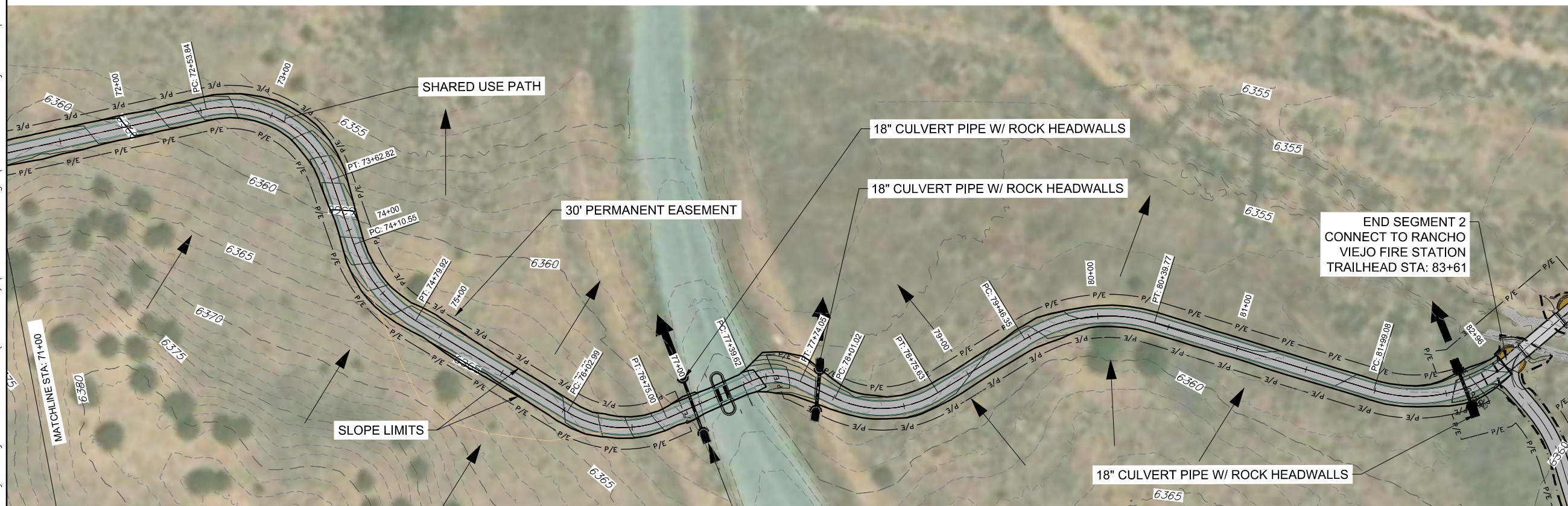
O TRAIL  
**EROSION CONTROL PLAN  
(SEGMENT 2)**

Designer:	SMA	Structure Numbers	
Detailer:	SMA		
Sheet Subset:	EC-03	Subset Sheets:	4

Project No./Code	Arroyo Hondo Trail
	325-12126
	11

100% CONSTRUCTION PLANS - SEPTEMBER 2023

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Print Date: MAY 13, 2022	
File Name:	
Horiz. Scale:	Vert. Scale: As Noted
Unit Information	Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.

As Constructed
No Revisions:
Revised:
Void:

ARROYO HONDO TRAIL	
<b>EROSION CONTROL PLAN</b>	
<b>(SEGMENT 2)</b>	
Designer:	SMA
Detailer:	SMA
Sheet Subset:	EC-04

Project No./Code	Arroyo Hondo Trail
	325-12126
	12

100% CONSTRUCTION PLANS - SEPTEMBER 2023

**STORM WATER POLLUTION PREVENTION PLAN INFORMATION**

NOI INPUTS CN 5100560	
NMDOT PROJECTS REQUIRE ELECTRONIC NOI SUBMISSION-PAPER SUBMISSION REQUIRES PRIOR APPROVAL.	
NMR120000 STATE OF NEW MEXICO, EXCEPT INDIAN COUNTRY NMR120001 INDIAN COUNTRY WITHIN THE STATE OF NEW MEXICO, EXCEPT NAVAJO RESERVATION LANDS THAT ARE COVERED UNDER ARIZONA PERMIT AZ100001 AND UTE MOUNTAIN RESERVATION LANDS THAT ARE COVERED UNDER COLORADO PERMIT COR100001.	
OPERATOR NAME: SANTA FE COUNTY	
POINT OF CONTACT: SANTA FE COUNTY PROJECT MANAGER	
NOI PREPARED BY: SANTA FE COUNTY PROJECT MANAGER	
PROJECT / SITE NAME: ARROYO HONDO TRAIL SEGMENT 3	
PROJECT / SITE ADDRESS: SANTA FE COUNTY	
LATITUDE:	35.6011 DECIMAL DEGREES
LONGITUDE:	-106.0311 DECIMAL DEGREES
ESTIMATED PROJECT START DATE:	TO BE DETERMINED BY PROJECT MANAGER
ESTIMATED PROJECT COMPLETION DATE:	TO BE DETERMINED BY PROJECT MANAGER
ESTIMATED AREA TO BE DISTURBED (NEAREST 1/4 ACRE):	5.50 ACRES
TYPE OF CONSTRUCTION	TRAIL
DEMOLITION OF ANY STRUCTURES, 10,000 SQUARE FEET OR GREATER BUILT OR RENOVATED BEFORE JANUARY 1, 1980? (YES/NO)	NO
WAS THE PREDEVELOPMENT LAND USE FOR AGRICULTURE? (YES/NO)	NO
COMMENCED EARTH-DISTURBING ACTIVITIES?:	NO
PREVIOUS NPDES PERMIT? IF YES, PERMIT NO:	NO
MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4): (NAME)	SEE THIS SHEET FOR MS4 LOCATIONS
SURFACE WATERS WITHIN 50 FT? (YES/NO)	YES
RECEIVING WATER:	ARROYO HONDO
IMPAIRED WATERS: SEE MAP FOR 303D LISTING TMDL LISTINGS ON THIS SWPPP INFORMATION SHEET. CHECK SPECIFIC TMDL LIST HERE: NO <a href="https://www.env.nm.gov/swqb/303d-305b/2014-2016/2014-2016nmlist.pdf">HTTPS://WWW.ENV.NM.GOV/SWQB/303D-305B/2014-2016/2014-2016NMLIST.PDF</a>	
IMPAIRED WATERS METHOD: ONLINE CONSULTATION OF NEW MEXICO ENVIRONMENT DEPARTMENT LISTING OF STATEWIDE 303D AND TMDL IMPAIRMENTS. TMDL: PLANT NUTRIENTS	
TIER 2, TIER 2.5, TIER 3 WATERS - (CONSULT 2017 CGP APPENDIX "F"); TIER 2	
CHEMICAL TREATMENT INFORMATION - TYPICAL SANTA FE COUNTY PROJECT WILL NOT UTILIZE THESE CHEMICALS.	
SWPPP CONTACT INFORMATION - SANTA FE COUNTY PROJECT MANAGER	
ENDANGERED SPECIES CRITERIA - (A, B, C, D, E, OR F):D BRIEF SUMMARY FOR THE BASIS FOR CRITERION SELECTION: May effect, not likely to adversely effect	
HISTORIC PRESERVATION - HISTORIC PROPERTIES WILL NOT BE IMPACTED.	
THE ENVIRONMENTAL COMMITMENTS WILL INDICATE EXISTENCE OF HISTORIC PROPERTIES. IF HISTORIC PROPERTIES EXIST, THE TESCP SHEETS CAN SHOW NO EFFECT ON HISTORIC PROPERTIES.	
ALL STORMWATER CONTROLS REQUIRE SUBSURFACE DISTURBANCE.	
CERTIFICATION:NOI MUST BE CERTIFIED BY "A PRINCIPAL EXECUTIVE OFFICER OR RANKING ELECTED OFFICIAL".	

**GENERAL NOTES:**

1. THE 2012 EDITION OF NMDOT NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) HANDBOOK AND SECTION 603 - TEMPORARY EROSION AND SEDIMENT CONTROL OF THE 2014 NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION - SHALL BE USED AS MINIMUM REQUIREMENTS TO DEVELOP OR MODIFY THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
2. THE NPDES PERMIT NUMBER FOR THE PROJECT OR A COPY OF THE NOTICE OF INTENT (NOI), IF A PERMIT NUMBER HAS NOT YET BEEN ASSIGNED, SHALL BE POSTED AT THE PROJECT SITE OR THE FIELD OFFICE AT ALL TIMES DURING CONSTRUCTION.
3. THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ALL MAINTENANCE AND INSPECTION REPORTS SHALL BE SIGNED BY A QUALIFIED INSPECTOR ASSIGNED BY CONTRACTOR. THE SWPPP AND THE INSPECTION REPORTS SHALL BE AVAILABLE TO EPA REPRESENTATIVE AT ALL TIMES DURING CONSTRUCTION.
4. ALL DRAINAGE INFORMATION NEEDED TO COMPLETE THE NOTICE OF INTENT (NOI) ARE PROVIDED IN THIS PLAN.
5. BMPS SHOWN ON TESCP ARE DETERMINED USING THE EQUATIONS SHOWN ON THIS SHEET AND OTHER HYDROLOGIC MODELS AS SPECIFIED IN THE DEPARTMENTS DRAINAGE MANUALS LATEST EDITION. BMPS CONTROL SEDIMENT SO THAT NO ADDITIONAL SEDIMENT RESULTING FROM CONSTRUCTION ACTIVITIES DISCHARGE TO WATERWAYS.
6. THE CONTRACTOR SHALL SPECIFICALLY DEFINE ALL REQUIRED CONTROL MEASURES FOR EACH CONSTRUCTION PHASE, AND SHALL COMPLY WITH THE PROVISIONS OF THE NPDES MANUAL AND THE 2012 CONSTRUCTION GENERAL PERMIT.
7. THE TESCP SHEETS INCLUDED IN THE FOLLOWING PAGES OF THESE PLANS PROVIDE A BASIS FOR ESTIMATING QUANTITIES.

**RUNOFF DISCHARGE & VOLUME CALCULATION:**

THE FOLLOWING PROCEDURES SHOULD BE USED TO CALCULATE THE RUNOFF DISCHARGE AND VOLUME TO DESIGN THE EROSION CONTROL MEASURES:

DISCHARGE: Q = CIA  
WHERE: Q = DISCHARGE, cfs  
C = RUNOFF COEFFICIENT  
I = RAINFALL INTENSITY, in/hr  
A = AREA OF THE SITE, acres

VOLUME: V = QT<sub>c</sub>  
WHERE: V = VOLUME, ft<sup>3</sup>  
T<sub>c</sub> = (1/60) 0.0078 L<sup>0.77</sup> S<sup>-0.385</sup> minutes  
Assume T<sub>c</sub> = 10 min. for basins within the project limits  
L = LENGTH OF WATERSHED, ft  
S = SLOPE, ft / ft

COMPOSTED MULCH SOCK QUANTITIES	
STATION INTERVAL	LENGTH
STA: 61+46 TO 63+18	163 LINEAR FEET
STA: 85+70 TO 86+12	40 LINEAR FEET
STA: 126+00 TO 127+46	151 LINEAR FEET
STA: 301+16 TO 303+72	258 LINEAR FEET
STA: 304+70 TO 305+06	52 LINEAR FEET
<b>TOTAL LENGTH: 664 LINEAR FT.</b>	

SWPPP INPUTS	
DRAINAGE PATTERNS	REFER TO TESCP
APPROXIMATE SLOPES AFTER MAJOR GRADING	4H:1V
RAINFALL 2-YEAR, 24-HOUR, inch	1.52 INCHES
2-YEAR, 1-HOUR, inch	0.798 INCHES
INTENSITY, FOR T <sub>c</sub> = 10 minutes	2.34 INCH/HOUR
HYDROLOGICAL SOIL GROUP	A, B, C
CURVE NUMBER (CN), UNDISTURBED AREA	75
CURVE NUMBER (CN), DISTURBED AREA	91
RUNOFF COEFFICIENT, PRIOR TO CONSTRUCTION	0.72
RUNOFF COEFFICIENT, DURING CONSTRUCTION	0.80
RUNOFF COEFFICIENT, AFTER CONSTRUCTION	0.90

Info: RUSLE2 version 2.6.10.3 April 5, 2018

Inputs:	
Project Name	Location
Santa Fe County Arroyo Hondo Trail	USANew Mexico\Santa Fe County\NM_Santa Fe_R13

**Soil Segments:**

Segment	Seg length (horiz), ft	Soil
2	10	201 Tanoan-Encantado complex, 5-25 percent slopes\Tanoan Gravelly sandy loam

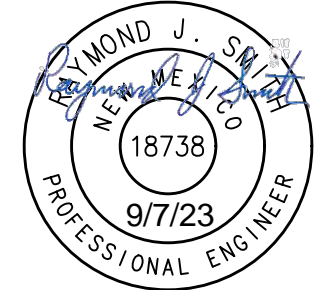
**Slope Segments:**

Segment	Seg length (horiz), ft	Steepness, xH:1V
2	10	4

**Outputs:**

Base management	Soil loss erod. Portion, t/ac/yr	Soil detachment, t/ac/yr	Sed. Delivery, t/ac/yr
MDOT Zone 2\Existing Undisturbed Vegetative Cover\Grass and Shrubs existing 45 pct cano	0.1	0.1	0.1
Class A slopes 3:1 and flatter-drilled seeding with mulch\Spring Drilled seeding, 4000 lb	0.01	0.01	0.01
Class A slopes 3:1 and flatter-drilled seeding with mulch\Summer Drilled seeding, 4000 lb	0.2	0.2	0.2
Class A slopes 3:1 and flatter-drilled seeding with mulch\Fall Drilled seeding, 4000 lb	0.2	0.02	0.2
Class A slopes 3:1 and flatter-drilled seeding with mulch\Winter Drilled seeding, 4000 lb	0.05	0.05	0.05

1 row of mulch sock was applied at top of slope



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File Name:	
Horiz. Scale:	Vert. Scale: As Noted
Unit Information	Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.

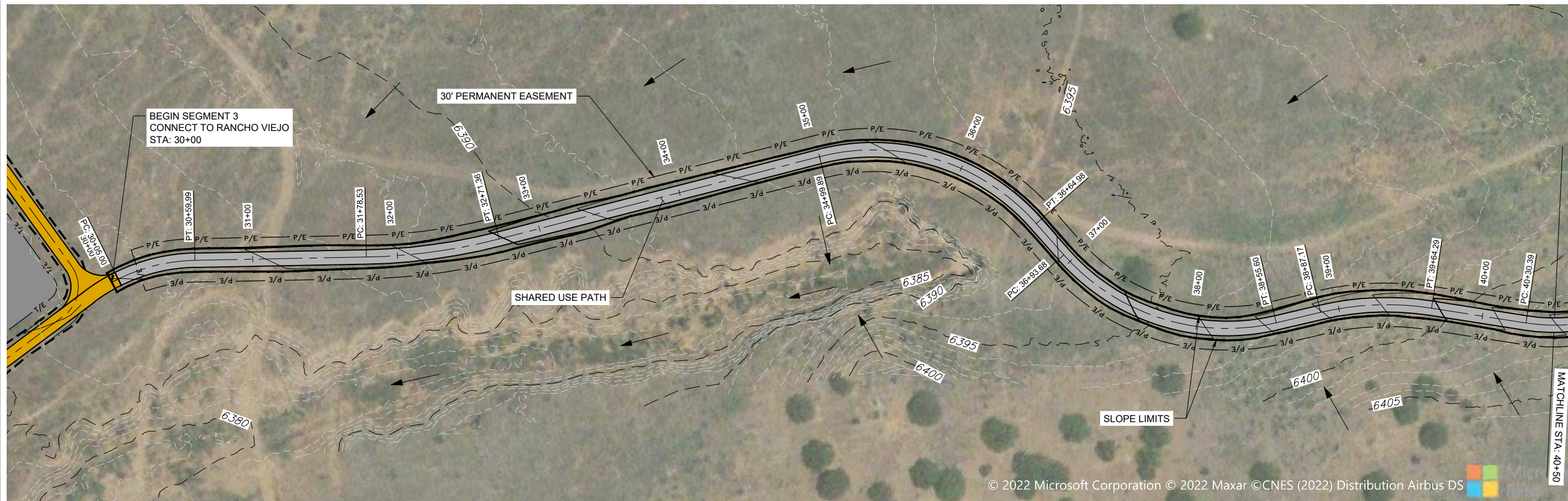


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No Revisions:		Designer: SMA	Structure Numbers
Revised:		Detailer: SMA	
Void:		Sheet Subset: EC-01	Subset Sheets: 7

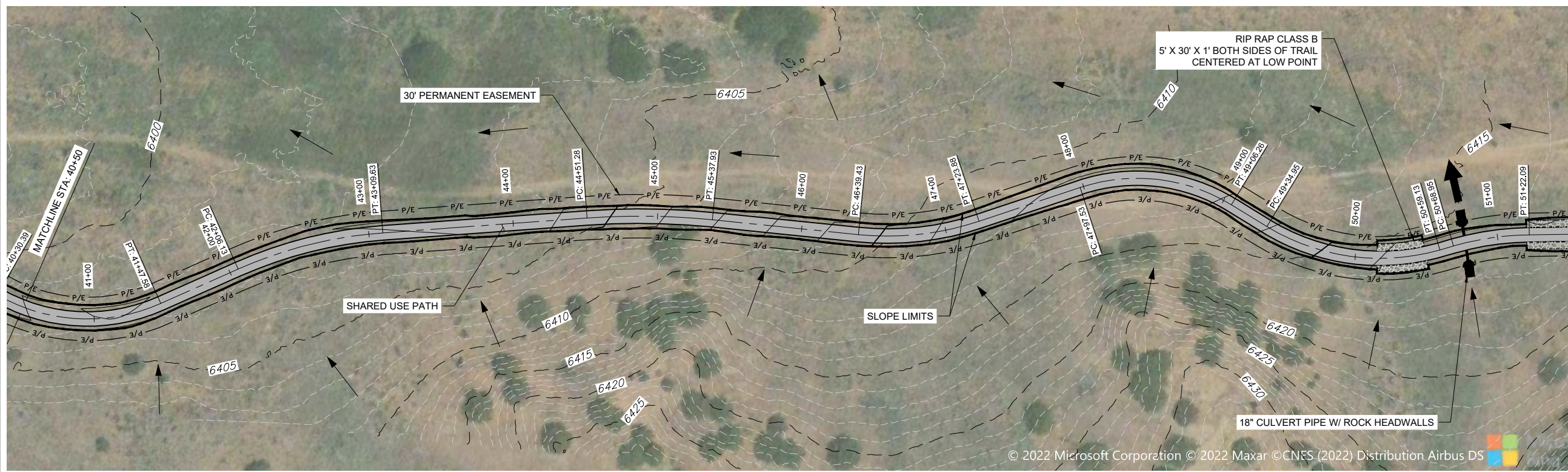
Project No./Code	Arroyo Hondo Trail
	325-12126
	<b>13</b>



P:\7-Santa Fe County Arroyo Hondo Trail (7426004)\05 PrelimDesign\90% Preliminary Plans\AHT-Segment 3 SWPPP.dwg 5/12/2022 10:34 AM



0 40' 80'  
SCALE: 1" = 40'



0 40' 80'  
SCALE: 1" = 40'

**LEGEND**

- DISCHARGE POINT →
- CHANNELIZED FLOW →
- FLOW DIRECTION →
- COMPOSTED MULCH SOCK
- CULVERT PROTECTION

Print Date: MAY 13, 2022

File Name:

Horiz. Scale:                      Vert. Scale: As Noted

Unit Information                      Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.



As Constructed

No Revisions:

Revised:

Void:

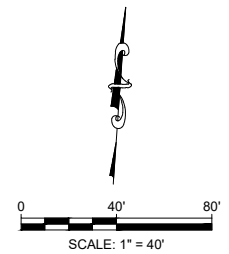
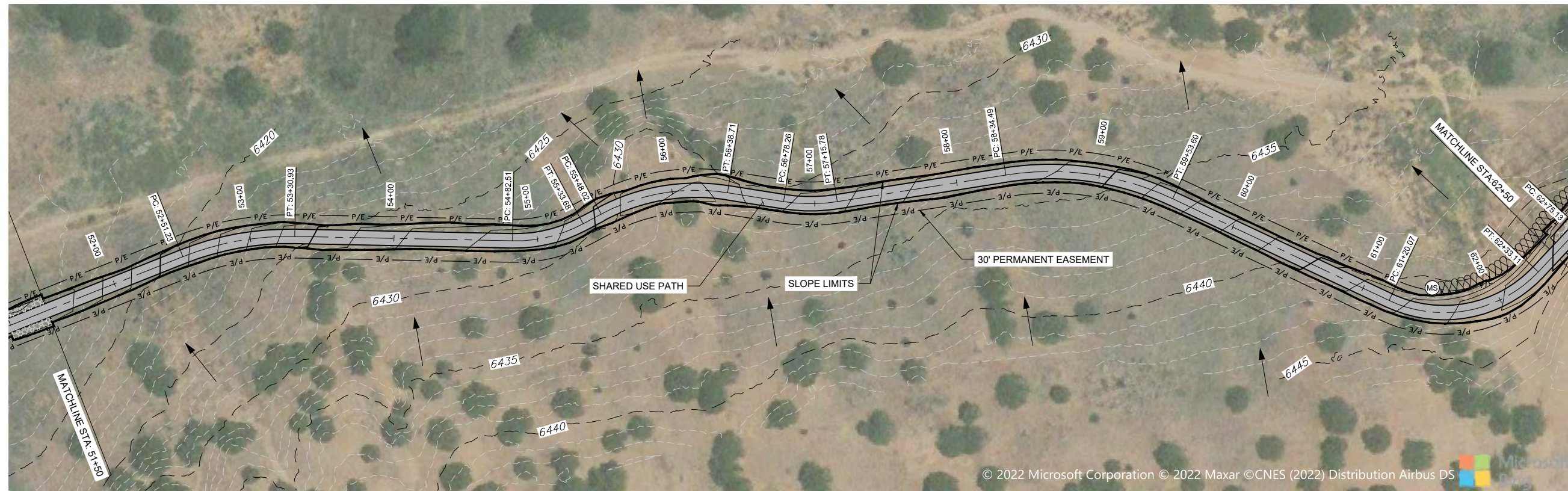
ARROYO HONDO TRAIL  
**EROSION CONTROL PLAN  
(SEGMENT 3)**

Designer:	SMA	Structure Numbers	
Detailer:	SMA		
Sheet Subset:	EC-02	Subset Sheets:	7

Project No./Code	Arroyo Hondo Trail
	325-12126
	<b>14</b>

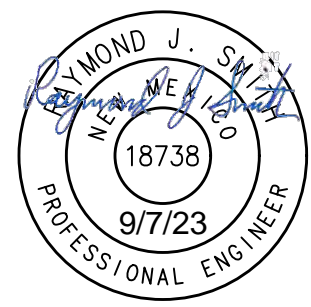
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LEGEND	
DISCHARGE POINT	
CHANNELIZED FLOW	
FLOW DIRECTION	
COMPOSTED MULCH SOCK	
CULVERT PROTECTION	



Print Date: MAY 13, 2022	
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Unit Information	Unit Leader Initials

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Date:	Comments	Init.

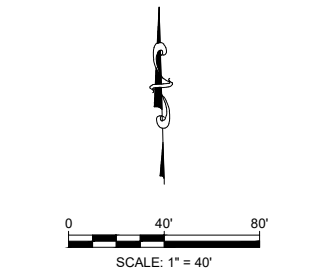
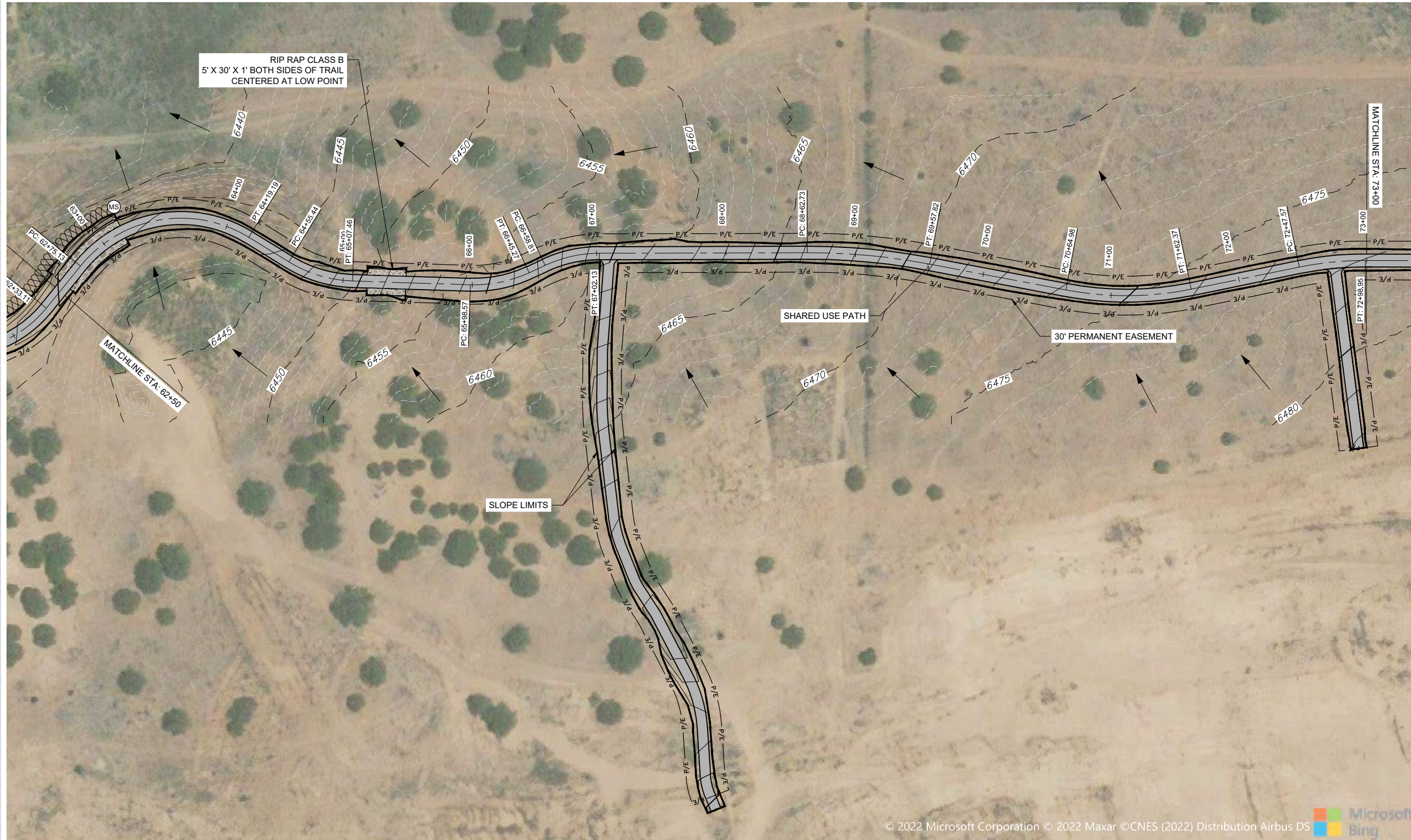


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Revised:	
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<b>(SEGMENT 3)</b>	
Designer:	SMA
Detailer:	SMA
Sheet Subset:	EC-03

Project No./Code	Arroyo Hondo Trail
	325-12126
	<b>15</b>

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LEGEND	
DISCHARGE POINT	➔
CHANNELIZED FLOW	—
FLOW DIRECTION	➔
COMPOSTED MULCH SOCK	MS
CULVERT PROTECTION	⬤



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Date:	Comments	Init.

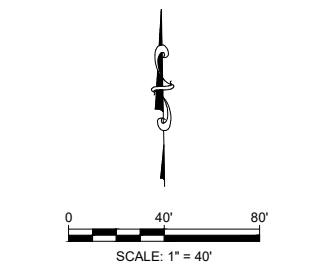
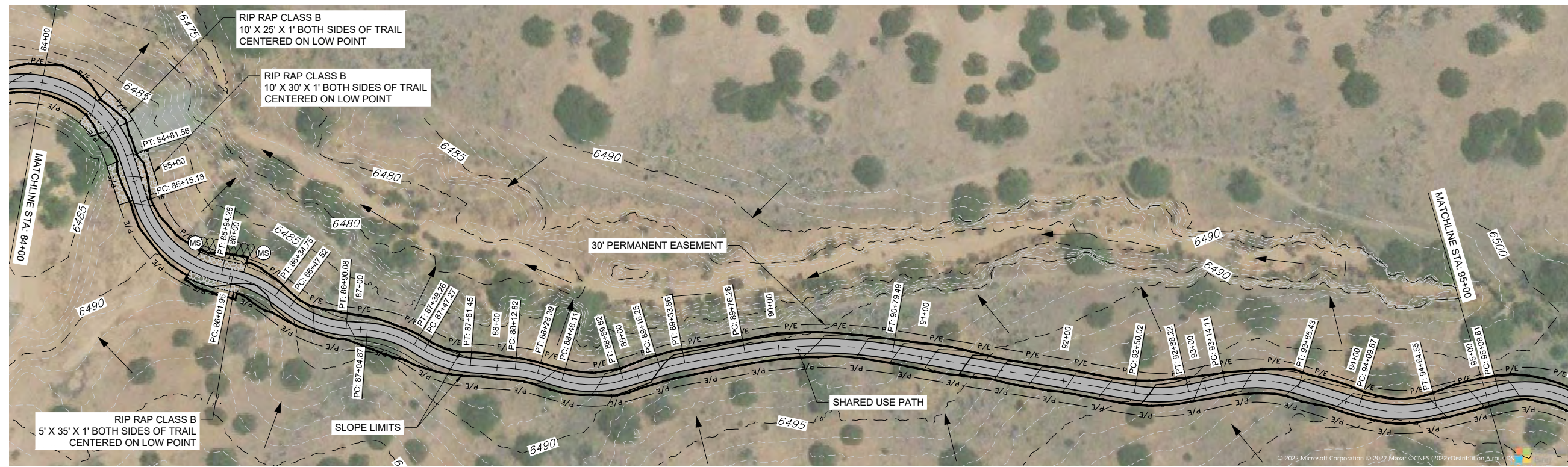
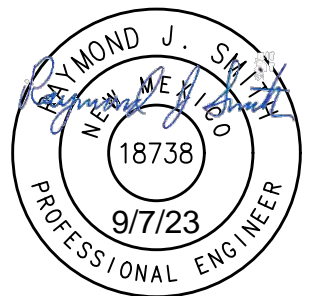
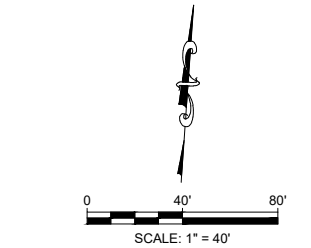
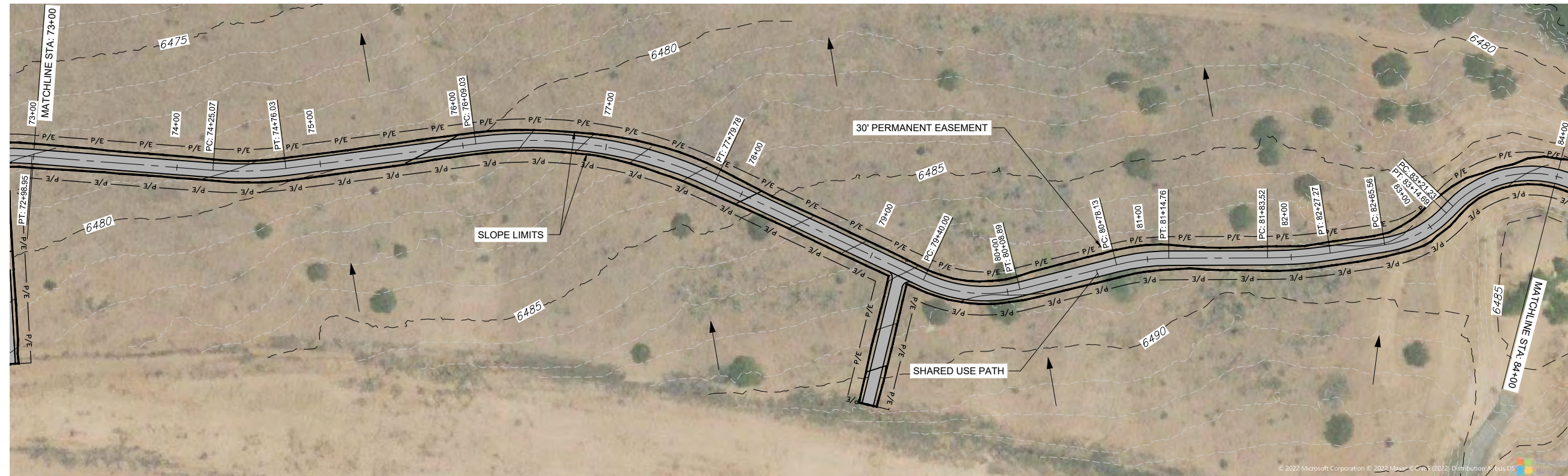


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Designer:	SMA	Structure	
Detailer:	SMA	Numbers	
Sheet Subset:	EC-04	Subset Sheets:	7

Project No./Code	Arroyo Hondo Trail
	325-12126
	16





LEGEND	
DISCHARGE POINT	➔
CHANNELIZED FLOW	—
FLOW DIRECTION	➔
COMPOSTED MULCH SOCK	MS
CULVERT PROTECTION	▒



Print Date: MAY 13, 2022	
File Name:	
Horiz. Scale:	Vert. Scale: As Noted
Unit Information	Unit Leader Initials

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Date:	Comments	Init.

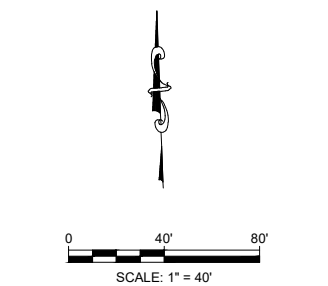
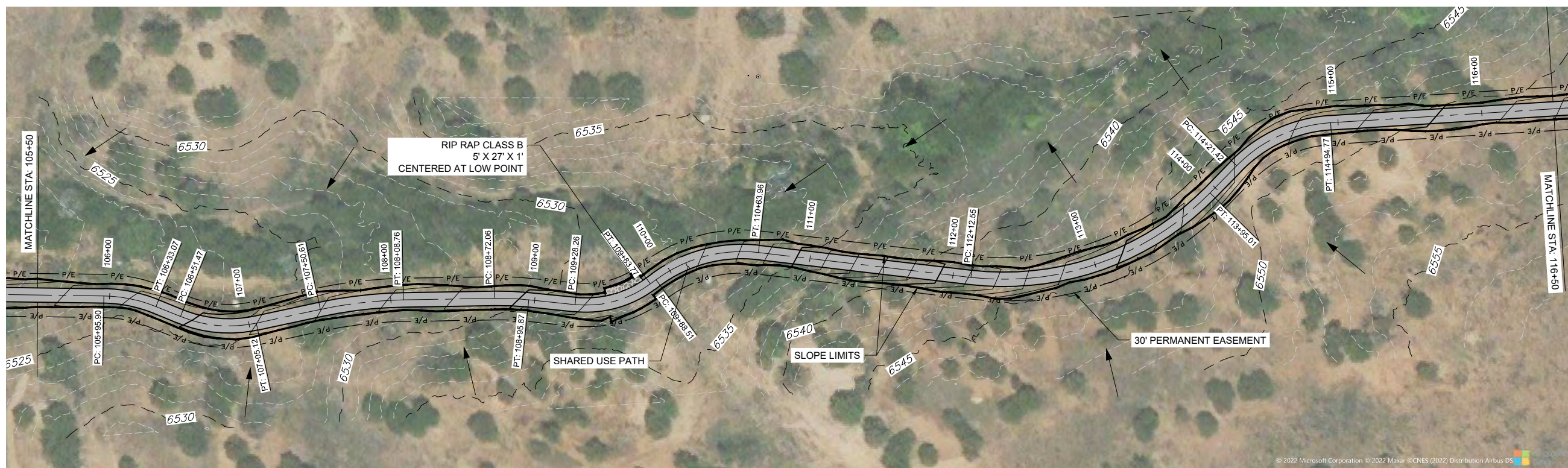
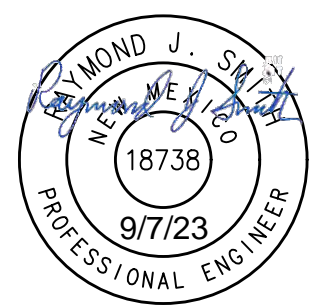
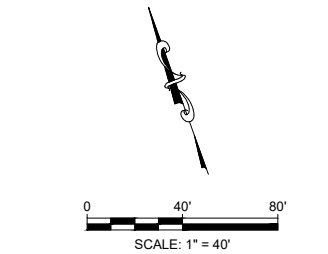


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Designer:	SMA
Detailer:	SMA
Sheet Subset:	EC-05

Project No./Code	Arroyo Hondo Trail
	325-12126
	17

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**LEGEND**

- DISCHARGE POINT
- CHANNELIZED FLOW
- FLOW DIRECTION
- COMPOSTED MULCH SOCK
- CULVERT PROTECTION



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Horiz. Scale:	Vert. Scale: As Noted
Unit Information	Unit Leader Initials

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Date:	Comments	Init.



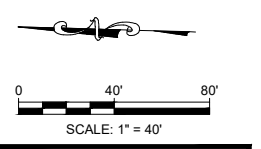
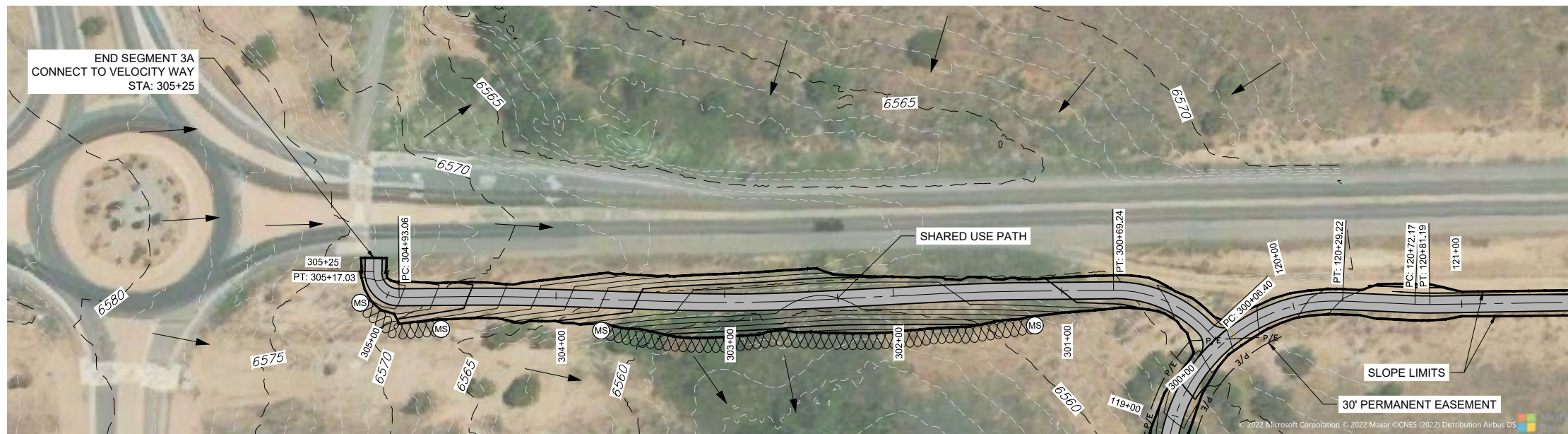
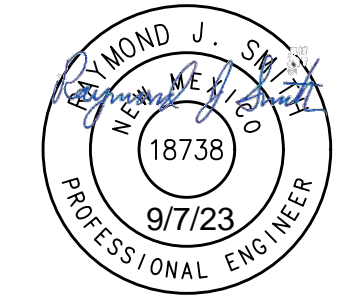
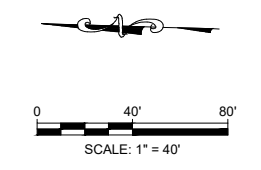
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Designer:	SMA	Structure	
Detailer:	SMA	Numbers	
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Project No./Code	Arroyo Hondo Trail
	325-12126
	<b>18</b>

100% CONSTRUCTION PLANS - SEPTEMBER 2023

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LEGEND	
DISCHARGE POINT	➔
CHANNELIZED FLOW	—➔
FLOW DIRECTION	➔
COMPOSTED MULCH SOCK	MS
CULVERT PROTECTION	⬤



Print Date: MAY 13, 2022	
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Horiz. Scale:	Vert. Scale: As Noted
Unit Information	Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.



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ARROYO HONDO TRAIL	
<b>EROSION CONTROL PLAN</b>	
<b>(SEGMENT 3)</b>	
Designer:	SMA
Detailer:	SMA
Sheet Subset:	EC-07

Project No./Code	Arroyo Hondo Trail
	325-12126
	19

100% CONSTRUCTION PLANS - SEPTEMBER 2023

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(FEMA FIRM 12/04/2012)



Digitally signed by  
Scott J Belonger  
Date: 2023.09.07  
10:56:27-06'00'

Print Date: Sep 05, 2023	
File Name: 20307 Site Access Plan (Seg2 & Seg3).dwg	
Horiz. Scale: Vert. Scale: As Noted	
Unit Information Unit Leader Initials	

Sheet Revisions			
Date:	Comments	Init.	



As Constructed	
No Revisions:	
Revised:	
Void:	

ARROYO HONDO TRAIL SITE ACCESS PLAN (SEGMENTS 2 AND 3)			
Designer:	SJB	Structure Numbers	
Detailer:	BDZ	Subset Sheets:	2
Sheet Subset:	SA-01		

Project No./Code	Arroyo Hondo Trail
	325-12126
	20

100% CONSTRUCTION PLANS - SEPTEMBER 2023

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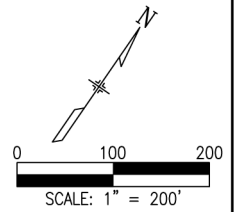
- CONSTRUCTION MAINTENANCE EASEMENT
- TEMPORARY CONSTRUCTION PERMIT
- CONSTRUCTION ACCESS
- CONSTRUCTION STAGING AREA
- TEMPORARY CONSTRUCTION FENCING

**GENERAL NOTES**

1. CONTRACTOR TO MAINTAIN PUBLIC ACCESS ON EXISTING SEGMENT 4 TRAIL FROM RANCHO VIEJO FIRE STATION TRAILHEAD.
2. CONTRACTOR TO PROVIDE ROUTINE MAINTENANCE TO TEMPORARY CONSTRUCTION FENCING.
3. CONTRACTOR TO MAINTAIN A MINIMUM NUMBER OF PARKING SPOTS TO THE PUBLIC AT THE TRAILHEAD.



Digitally signed by  
Scott J Belonger  
Date: 2023.09.07  
11:00:20-06'00'



Print Date: Sep 05, 2023	
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Unit Information	Unit Leader Initials

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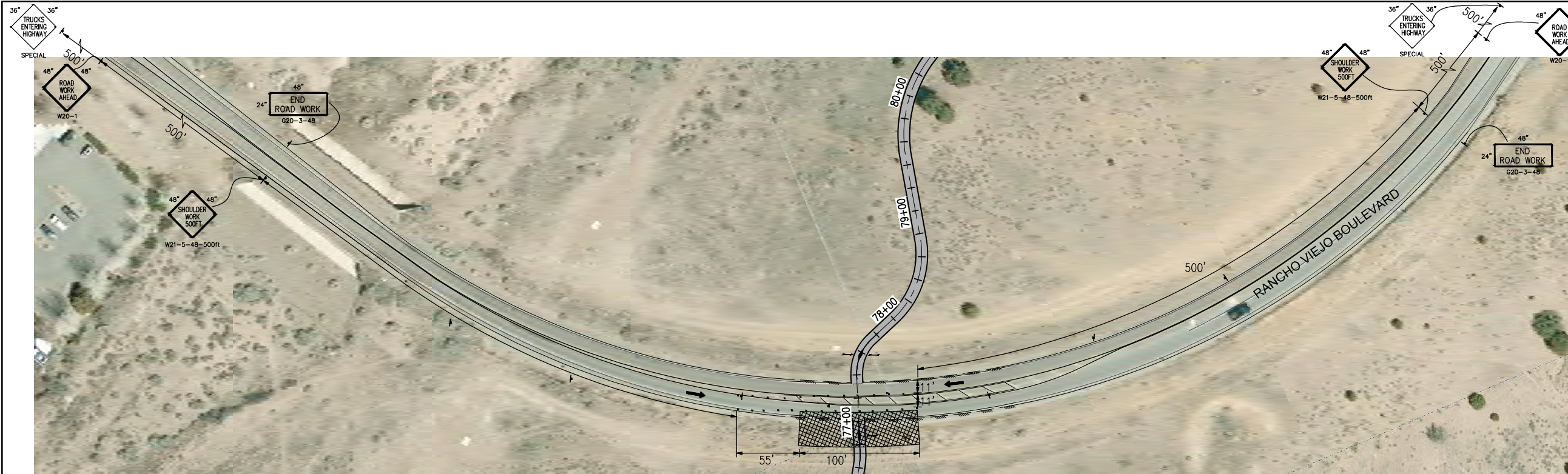


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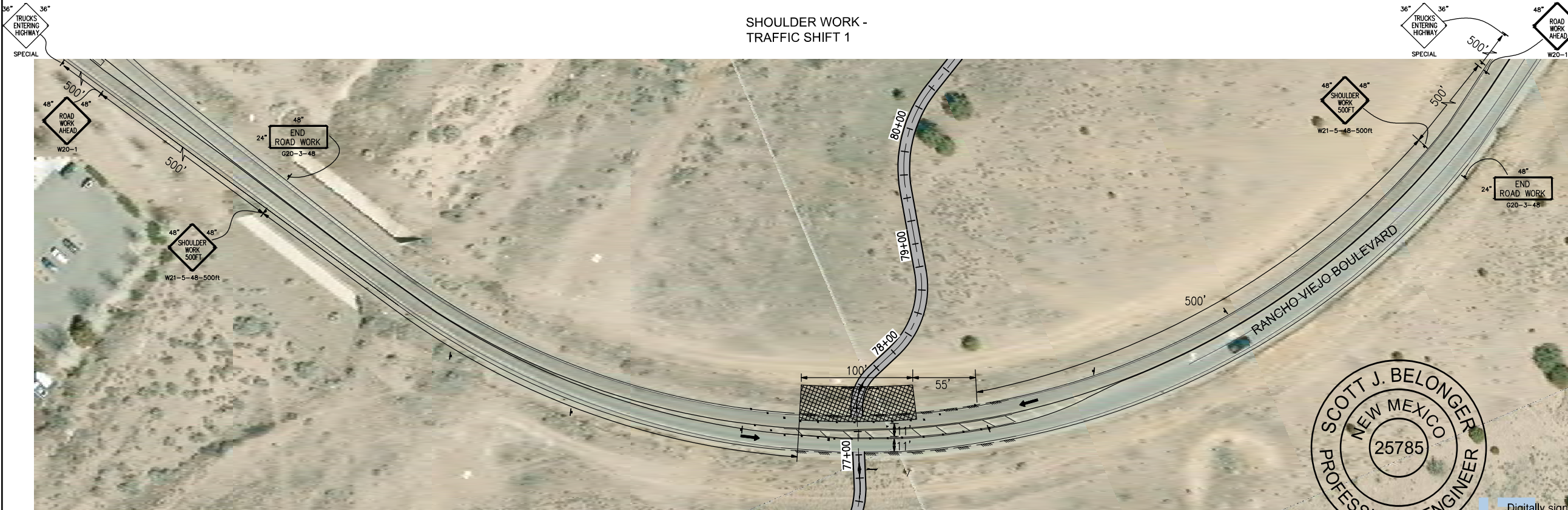
Project No./Code	Arroyo Hondo Trail
	325-12126
	<b>21</b>

100% CONSTRUCTION PLANS - SEPTEMBER 2023

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SHOULDER WORK - TRAFFIC SHIFT 1



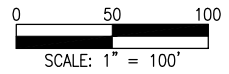
SHOULDER WORK - TRAFFIC SHIFT 2

- LEGEND**
- VERTICAL PANELS
  - ← DIRECTION OF TRAVEL
  - ▨ WORK AREA
- NOTES**
1. THE COST OF ALL TRAFFIC CONTROL DEVICES, FLAGGING OR ANY OTHER MATERIALS OR LABOR SHALL BE INCLUDED IN THE ITEM 702810 TRAFFIC CONTROL DEVICES FOR CONSTRUCTION.

Digitally signed by Scott J Belonger  
Date: 2023.09.07 11:01:01-06'00'



Digitally signed by Scott J Belonger  
Date: 2023.09.07 11:02:10-06'00'



Print Date: Sep 05, 2023	
File Name: 20307 (04B) Traffic Control Plan (Seg2).dwg	
Horiz. Scale: Vert. Scale: As Noted	
Unit Information	Unit Leader Initials

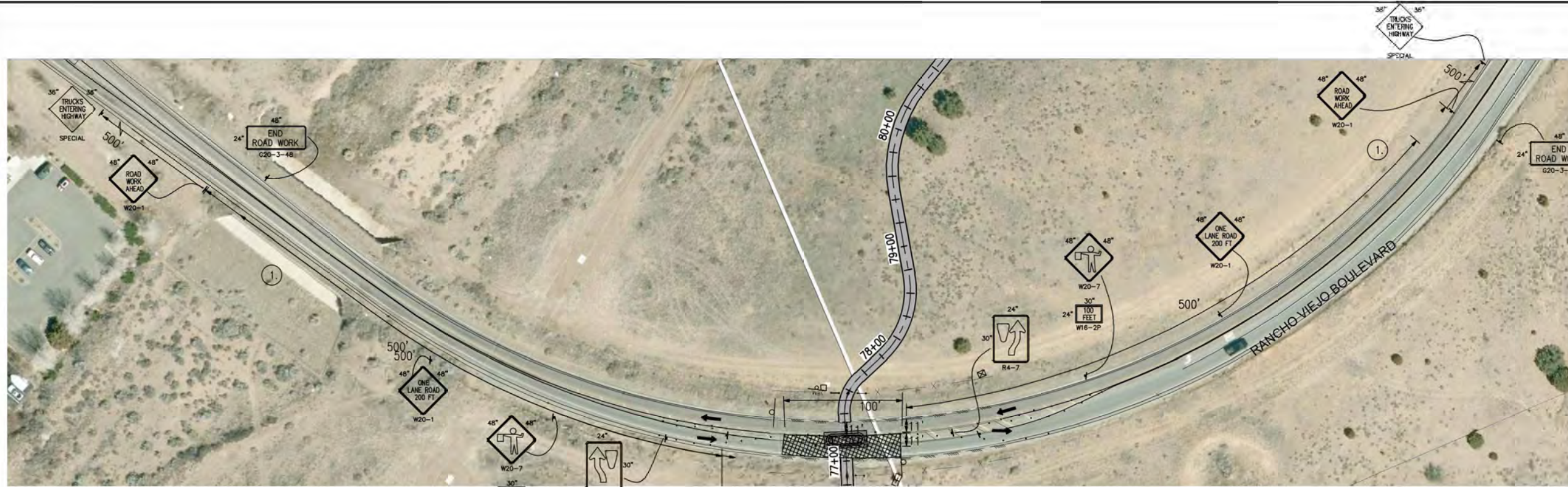
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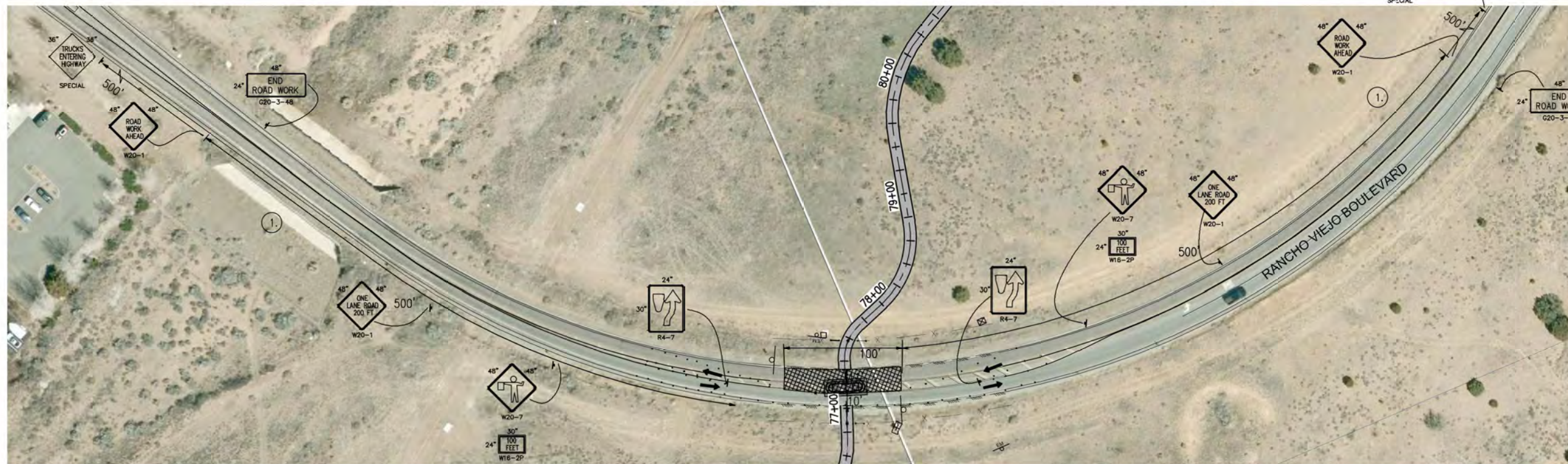
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No Revisions:	Designer: SJB	Structure Numbers	Arroyo Hondo Trail
Revised:	Detailer: BDZ		325-12126
Void:	Sheet Subset: TC-01	Subset Sheets: 2	<b>22</b>

100% CONSTRUCTION PLANS - SEPTEMBER 2023

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MEDIAN WORK - TRAFFIC SHIFT 3



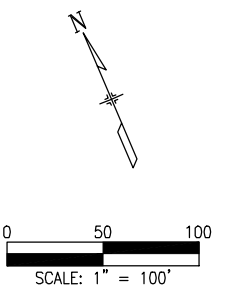
MEDIAN WORK - TRAFFIC SHIFT 4

- LEGEND**
- VERTICAL PANELS
  - DIRECTION OF TRAVEL
  - ▨ WORK AREA

- NOTES**
1. THE COST OF ALL TRAFFIC CONTROL DEVICES, FLAGGING OR ANY OTHER MATERIALS OR LABOR SHALL BE INCLUDED IN THE ITEM 702B10 TRAFFIC CONTROL DEVICES FOR CONSTRUCTION.



Digitally signed by Scott J Belonger Date: 2023.09.07 11:02:31-06'00'



Print Date: Sep 06, 2023	
File Name: 20307 (04B) Traffic Control Plan (Seg2).dwg	
Horiz. Scale: Vert. Scale: As Noted	
Unit Information	Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.



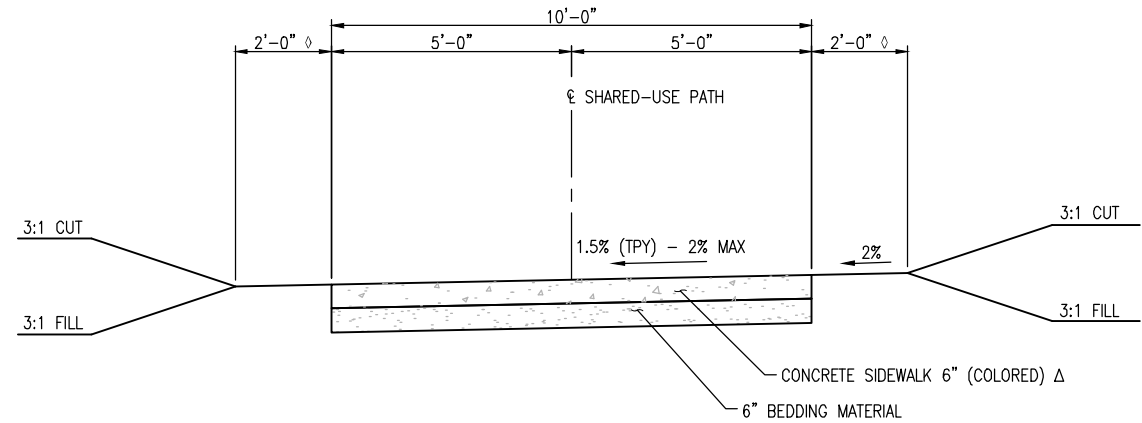
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No Revisions:
Revised:
Void:

ARROYO HONDO TRAIL TRAFFIC CONTROL PLAN (SEGMENT 2)			
Designer:	SJB	Structure Numbers	
Detailer:	BDZ	Subset Sheets:	2
Sheet Subset:	TC-02		

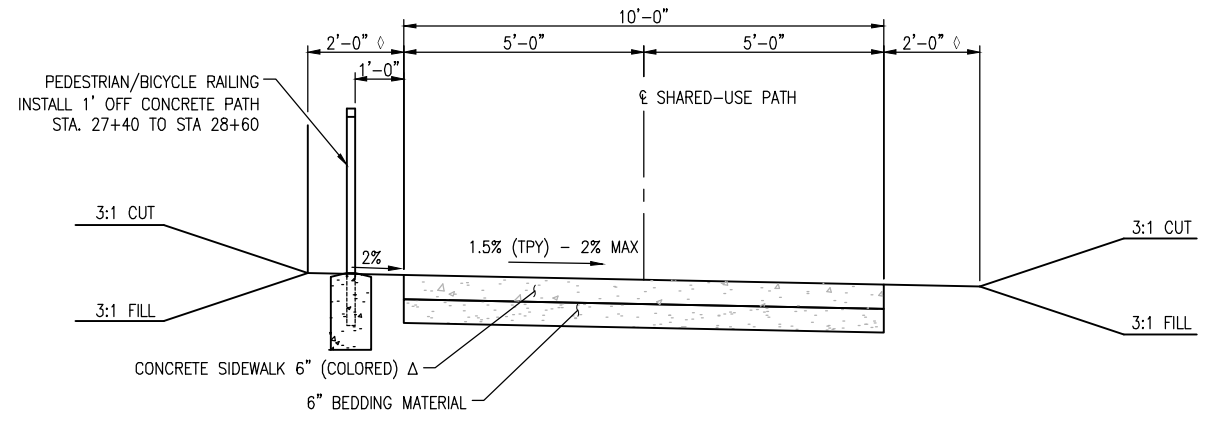
Project No./Code	Arroyo Hondo Trail
	325-12126
	<b>23</b>

100% CONSTRUCTION PLANS - SEPTEMBER 2023

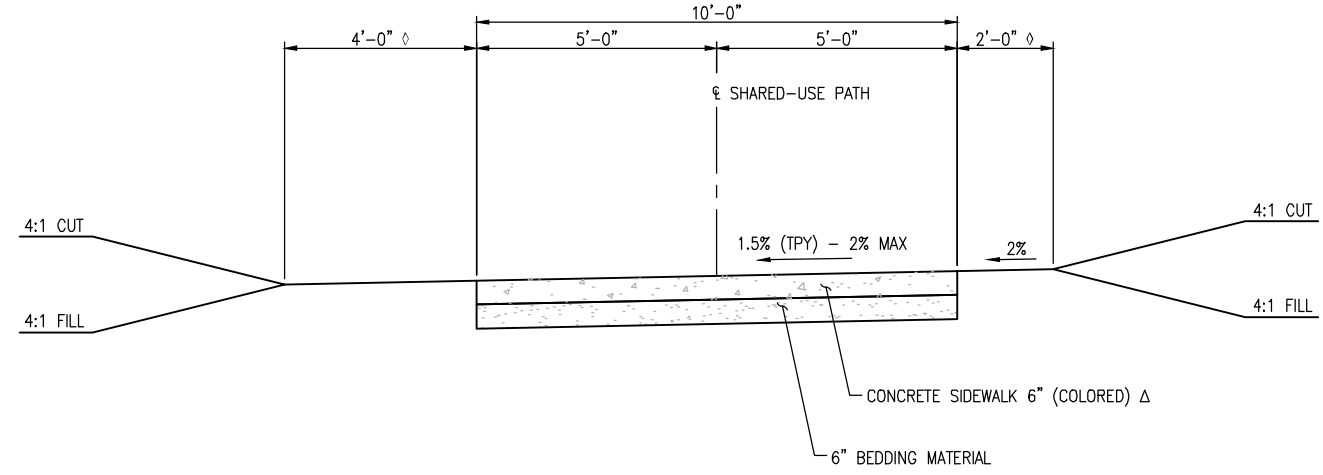
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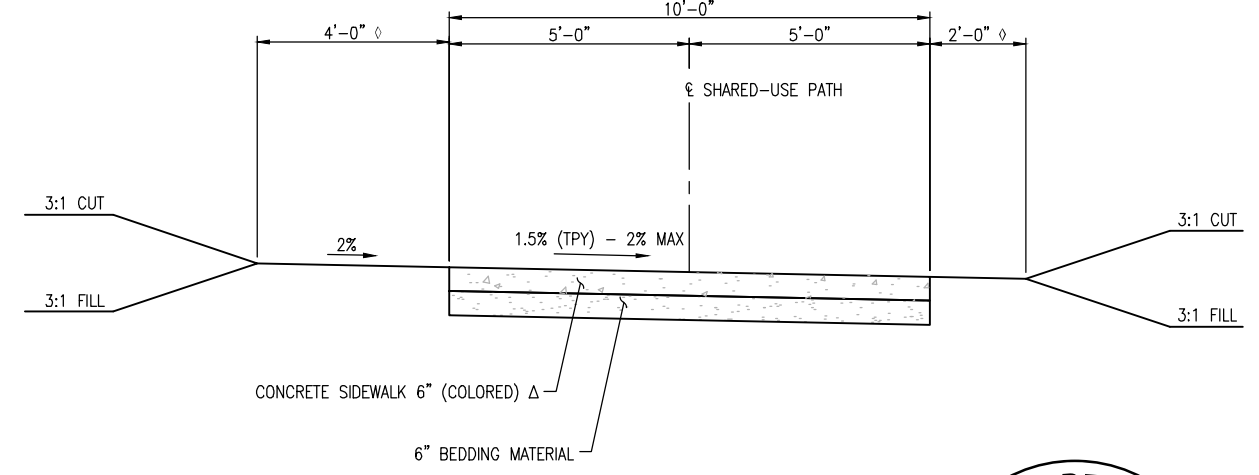
TYPICAL SECTION S2-1



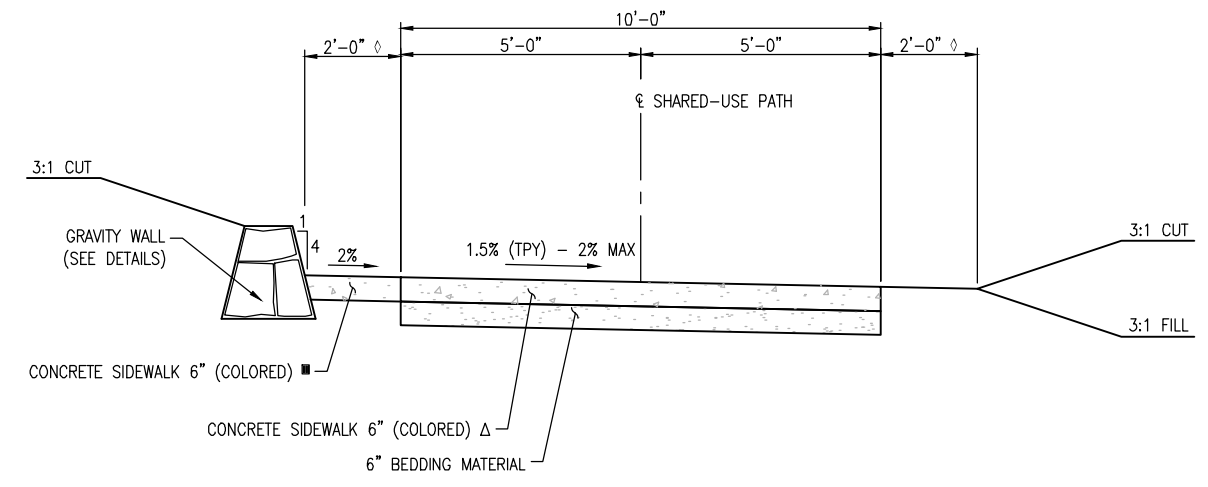
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TYPICAL SECTION S2-3



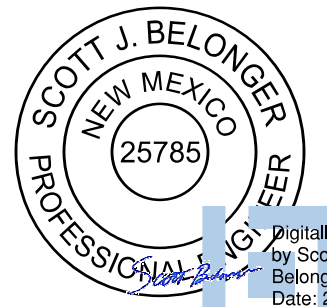
TYPICAL SECTION S2-4



TYPICAL SECTION S2-5

Typical Section Stationing Seg 2		
Station to Station		Typical Section #
20+00	to 38+00	S2-2
38+00	to 46+00	S2-1
46+00	to 48+20	S2-3
48+20	to 59+99	S2-1
59+99	to 60+97	BRIDGE
60+97	to 63+40	S2-2
63+40	to 64+15	S2-4
64+15	to 66+31	S2-2
66+31	to 66+85	S2-5
66+85	to 68+45	S2-2
68+45	to 77+01	S2-1
77+01	to 77+34	ROAD
77+34	to 82+96	S2-1

\* NO-WORK SECTION ACROSS RANCHO VIEJO BLVD



Digitally signed by Scott J. Belonger  
Date: 2023.09.07 11:03:04-06'00'

NOTE:  
 Δ CONCRETE COLOR SHALL BE DAVIS COLORS 5084-OMAHA TAN, INTEGRAL COLOR MIXED IN THE PLANT ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.  
 ■ CONCRETE COLOR SHALL BE DAVIS COLORS 160 RED BRICK, INTEGRAL COLOR MIXED IN THE PLANT ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.  
 ◊ CLASS A SEEDING

Print Date: Sep 06, 2023  
 File Name: 20307 (05) Typical Sections (Seg2).dwg  
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 Unit Information                      Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.



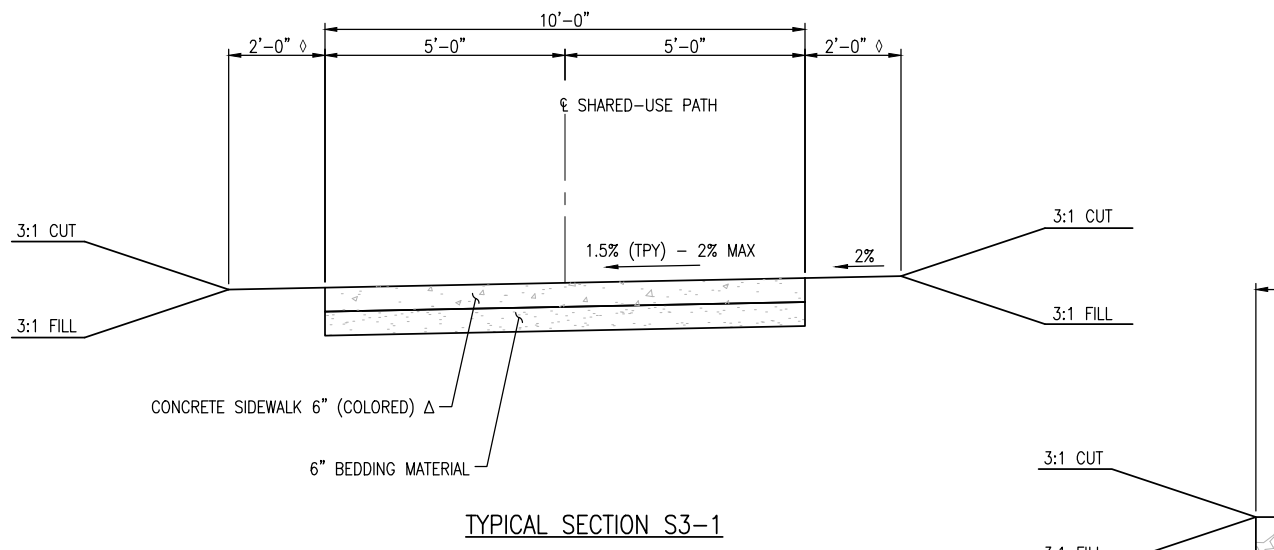
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No Revisions:		Designer: SJB	Structure Numbers
Revised:		Detailer: LX	
Void:		Sheet Subset: TS-01	Subset Sheets: 2

Project No./Code  
 Arroyo Hondo Trail  
 325-12126  
**24**

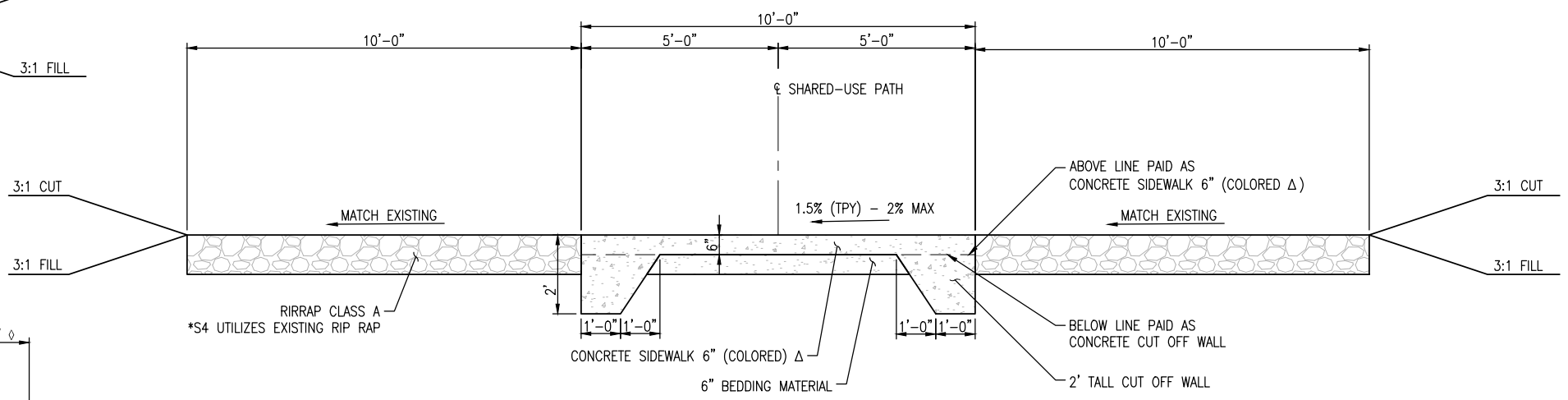
100% CONSTRUCTION PLANS - SEPTEMBER 2023



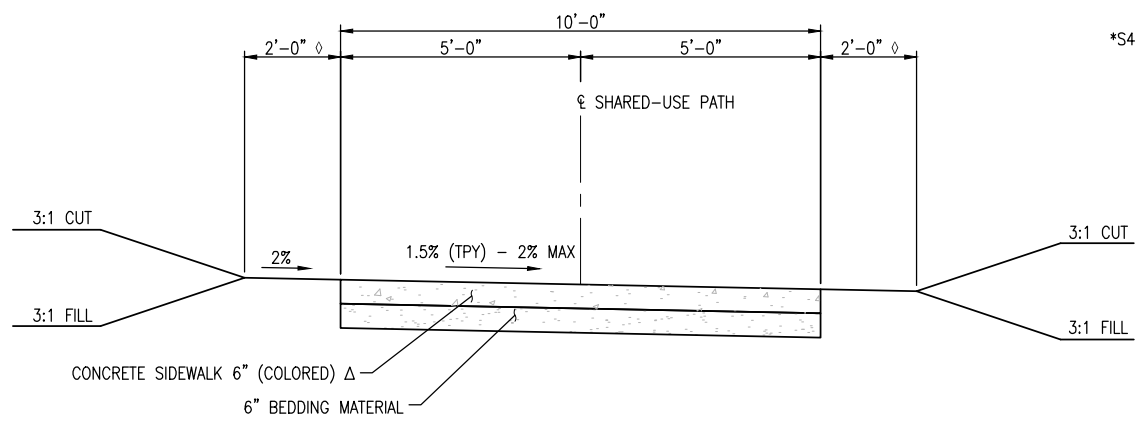
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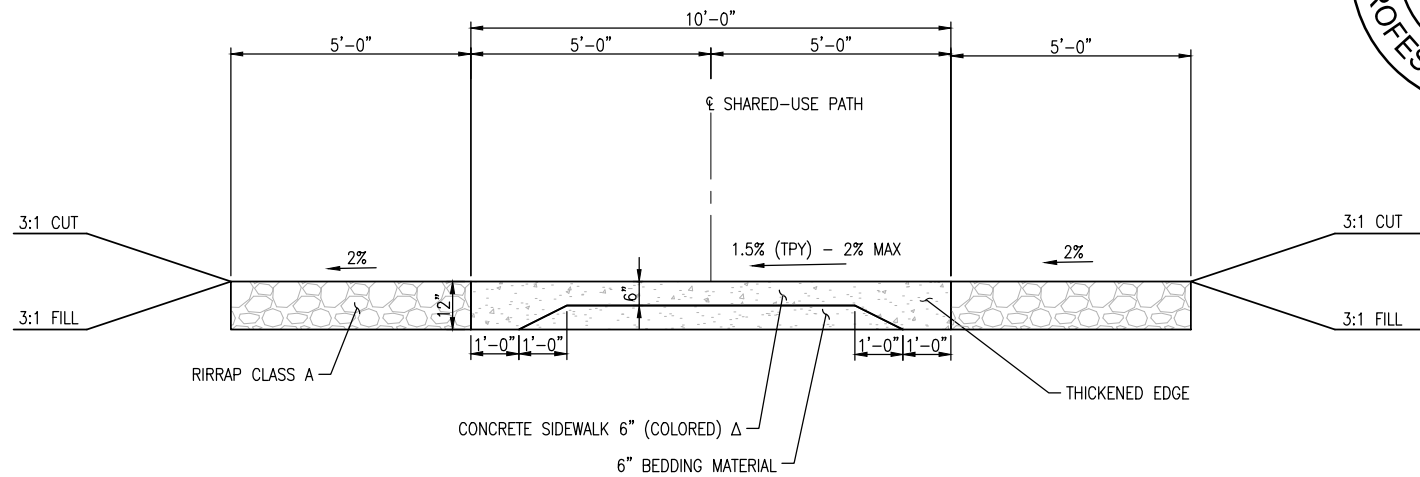
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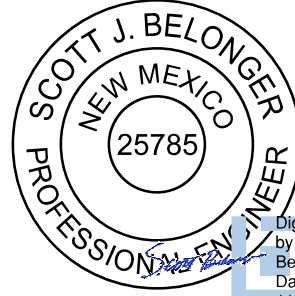
TYPICAL SECTION S3-4



TYPICAL SECTION S3-2



TYPICAL SECTION S3-3



Digitally signed by Scott J Belonger Date: 2023.09.07 11:03:38-06'00'

Typical Section Stationing Seg 3		
Station to Station	Typical Section #	
30+00 to 43+68	S3-2	
43+68 to 50+15	S3-1	
50+15 to 50+49	S3-3	
50+49 to S1+20	S3-1	
S1+20 to S1+50	S3-3	
S1+50 to 62+56	S3-1	
62+56 to 63+18	S3-3	
63+18 to 65+18	S3-1	
65+18 to 65+48	S3-3	
65+48 to 84+40	S3-1	
84+40 to 84+60	S3-4	
84+60 to 84+83	S3-4*	
84+83 to 85+12	S3-4	
85+12 to 85+73	S3-1	
85+73 to 86+08	S3-3	
86+08 to 96+30	S3-1	
96+30 to 96+70	S3-3	
96+70 to 109+50	S3-1	
109+50 to 109+81	S3-3	
109+81 to 125+85	S3-1	
125+85 to 127+72	S3-2	
127+72 to 127+75	S3-2	

Typical Section Stationing Seg 3A		
Station to Station	Typical Section #	
300+00 to 305+16	S3-1	
305+16 to 305+25	S3-2	

NOTE:  
 Δ CONCRETE COLOR SHALL BE DAVIS COLORS 5084-OMAHA TAN, INTEGRAL COLOR MIXED IN THE PLANT ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.  
 ■ CONCRETE COLOR SHALL BE DAVIS COLORS 160 RED BRICK, INTEGRAL COLOR MIXED IN THE PLANT ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.  
 ◇ CLASS A SEEDING

Print Date: Sep 05, 2023
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Horiz. Scale: Vert. Scale: As Noted
Unit Information Unit Leader Initials

Sheet Revisions			
Date:	Comments	Init.	



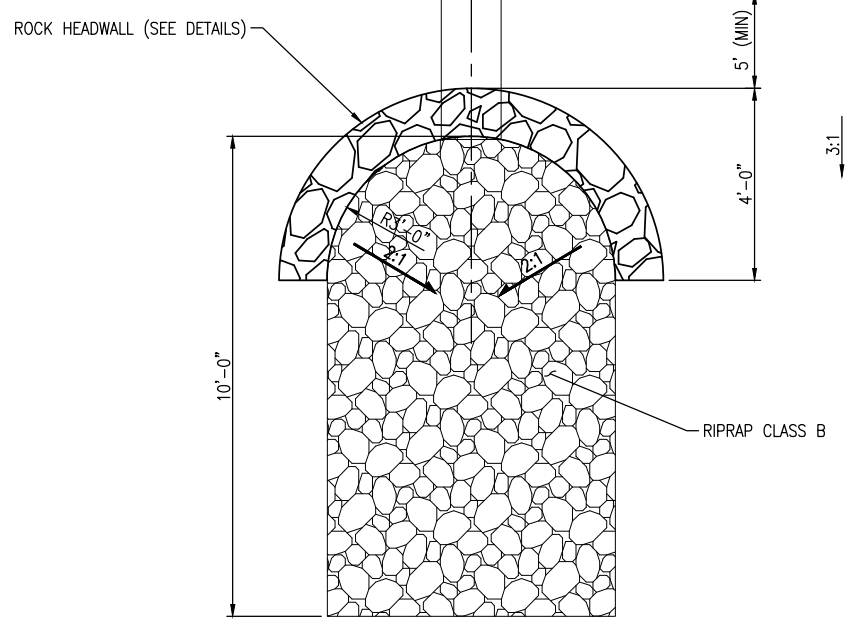
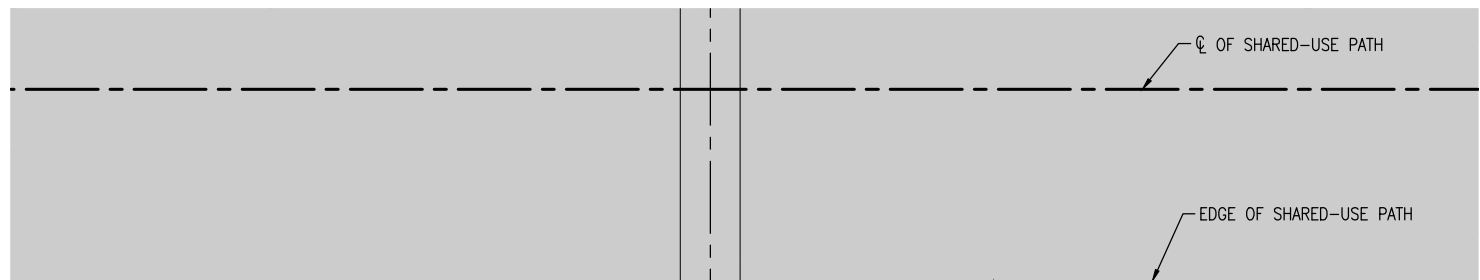
As Constructed
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Revised:
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ARROYO HONDO TRAIL TYPICAL SECTIONS (SEGMENT 3)			
Designer:	SJB	Structure	
Detailer:	LX	Numbers	
Sheet Subset:	TS-02	Subset Sheets:	2

Project No./Code
Arroyo Hondo Trail
325-12126
<b>25</b>

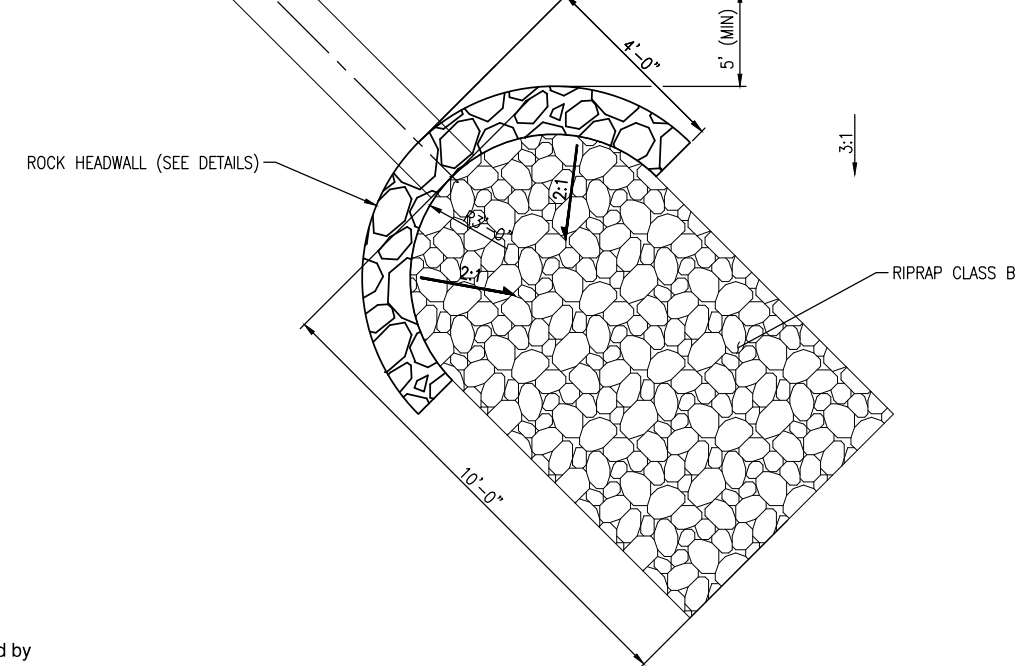
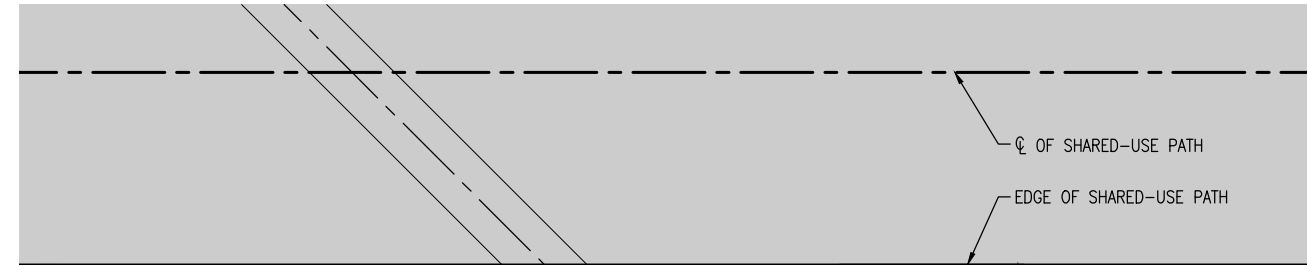
100% CONSTRUCTION PLANS - SEPTEMBER 2023

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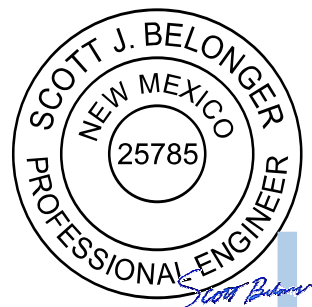
**CULVERT ROCK HEADWALL PLAN**  
PERPENDICULAR LAYOUT  
N.T.S.

NOTE: PAID FOR UNDER ITEM 667219-GRAVITY WALL

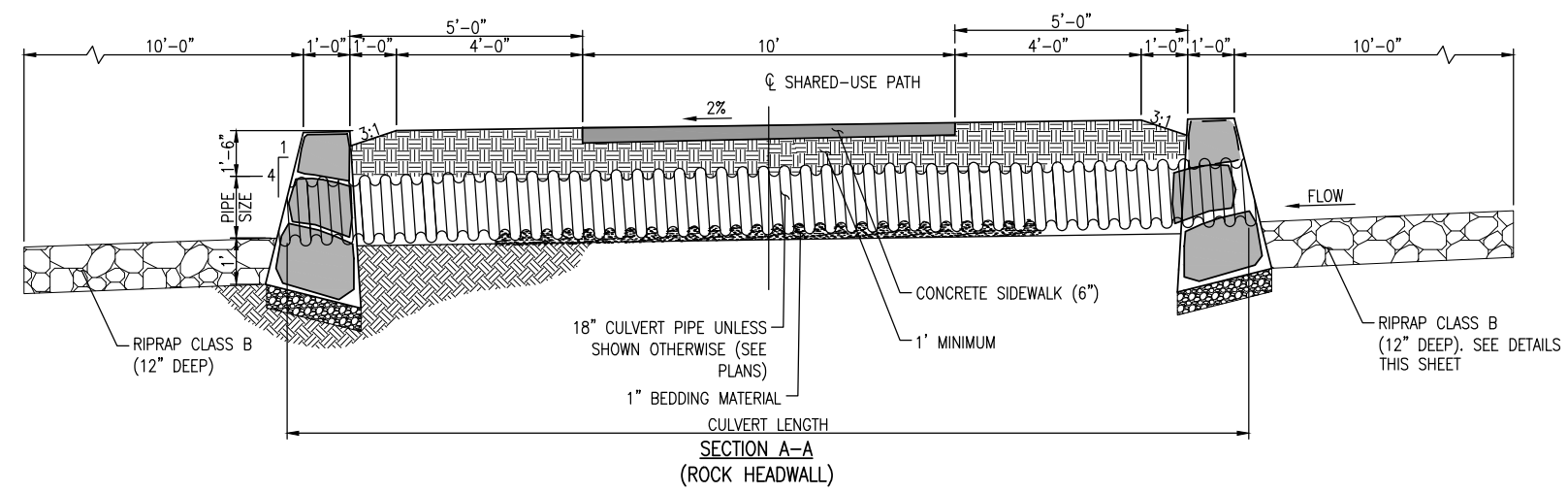
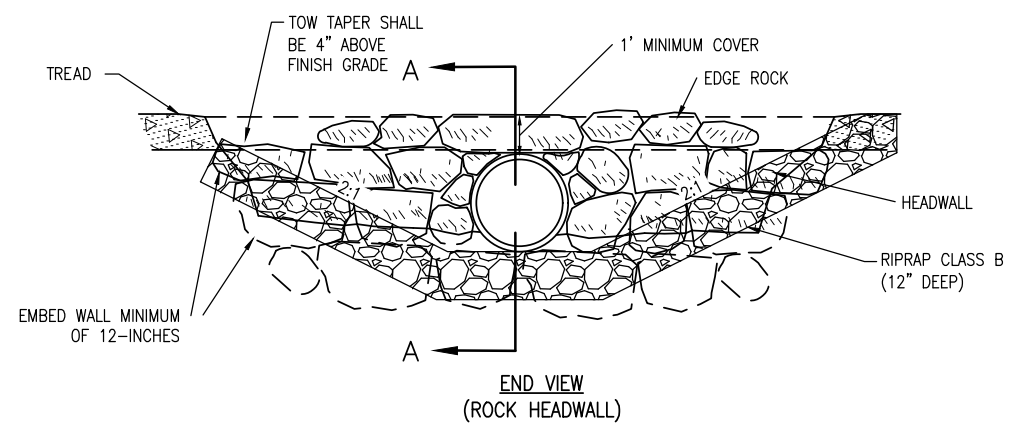


**CULVERT ROCK HEADWALL PLAN**  
SKEWED LAYOUT  
N.T.S.

NOTE: PAID FOR UNDER ITEM 667219-GRAVITY WALL



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11:04:08-06'00'



Print Date: Sep 05, 2023	
File Name: 20307 (06) Segment 2 Details.dwg	
Horiz. Scale:                      Vert. Scale: As Noted	
Unit Information                      Unit Leader Initials	

Sheet Revisions			
Date:	Comments	Init.	



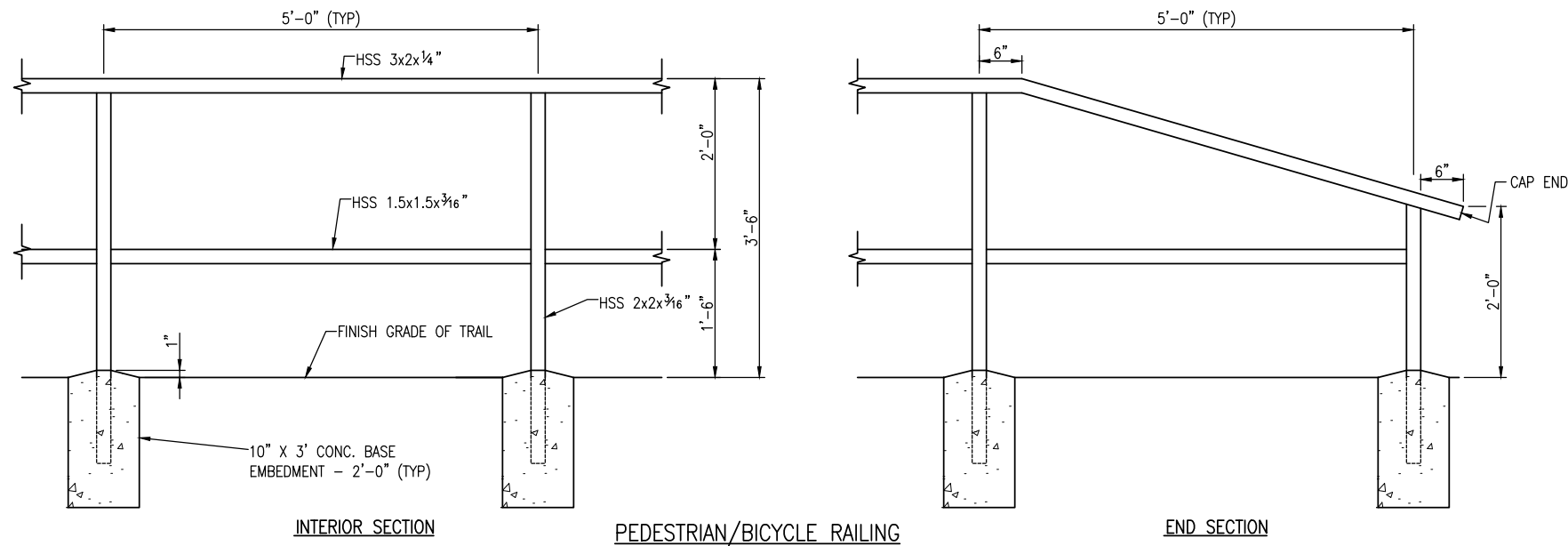
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Revised:	
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ARROYO HONDO TRAIL <b>DETAILS</b> (SEGMENT 2)			
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Detailer:	LX	Subset Sheets:	3
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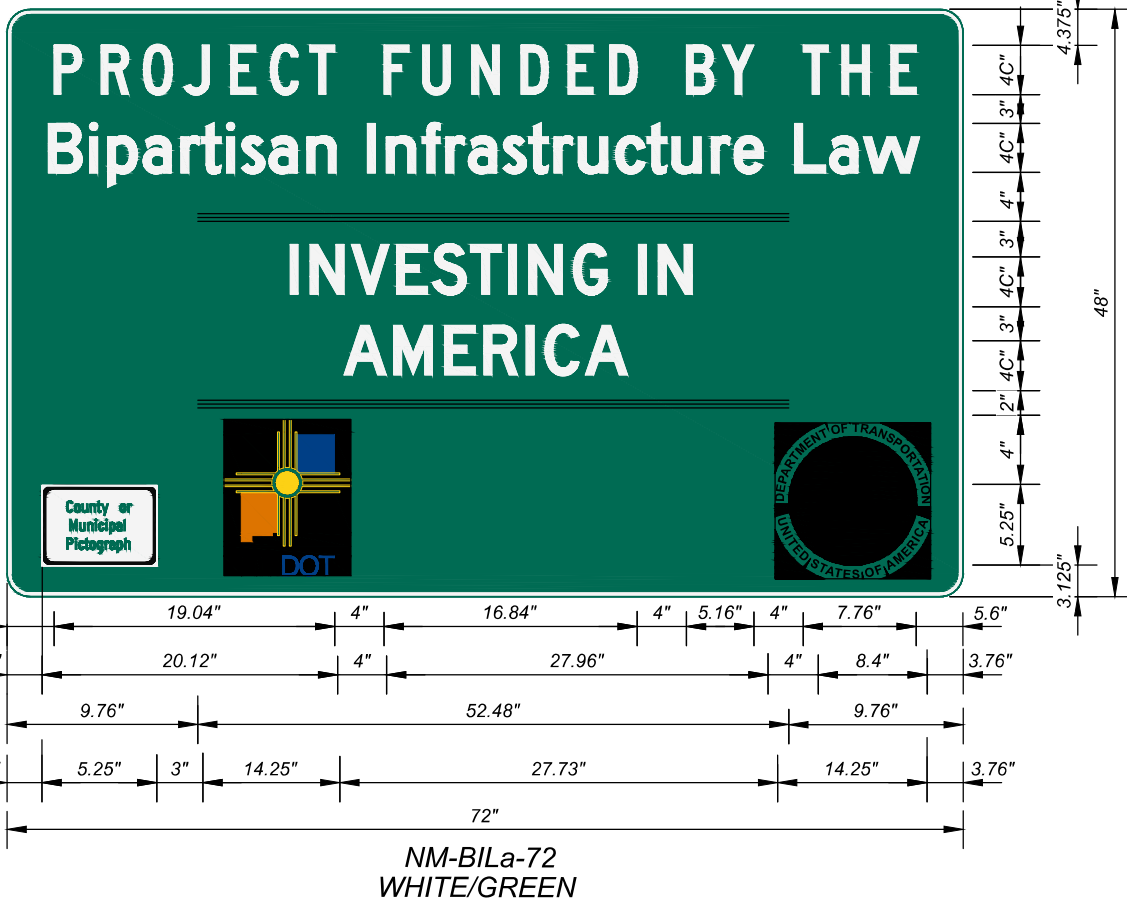
Project No./Code	Arroyo Hondo Trail
	325-12126
	<b>26</b>

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O:\PROJECT\20300\20307\04 CAD\ACAD\Drawings\Segment 2\20307 (07) Details.dwg Sep 05, 2023 - 3:40pm



- NOTES:**
1. CONCRETE INCLUDED IN THE COST OF THE RAILING
  2. TOP OF HANDRAIL TO FOLLOW TRAIL GRADE.
  3. HSS MATERIAL SHALL BE ASTM A847
  4. FIELD INSPECTOR REQUIRED FOR ALL FIELD WELDING ON HANDRAIL. 541, TIER 3, WELDING CERTIFICATE REQUIRED.
  5. INSTALL 1' CLEAR OF CONCRETE PATH



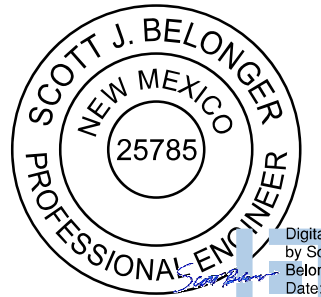
1. NM-BILa-72 (W/G) SHALL BE USED IN PLACE OF NM-BIL-96 IN URBAN AREAS WITH LIMITED SPACE FOR INSTALLATION. APPROVAL FROM THE PROJECT MANAGER SHALL BE OBTAINED PRIOR TO USING NM-BILa-72 (W/G).
2. WHEN USED, NM-BILa-72 (W/G) SHALL BE PLACED 250' DOWNSTREAM OF SP-3 AS SHOWN IN NMDOT STANDARD DRAWING 702-03-3/4, "PROJECT LIMIT SIGNING".
3. ON 2 LANE HIGHWAYS SIGN IS ONLY REQUIRED ON THE RIGHT SIDE OF THE HIGHWAY. ON 4 LANE HIGHWAYS AND INTERSTATES SIGNS SHALL BE PLACED ON BOTH THE LEFT AND RIGHT SIDES OF THE HIGHWAY.



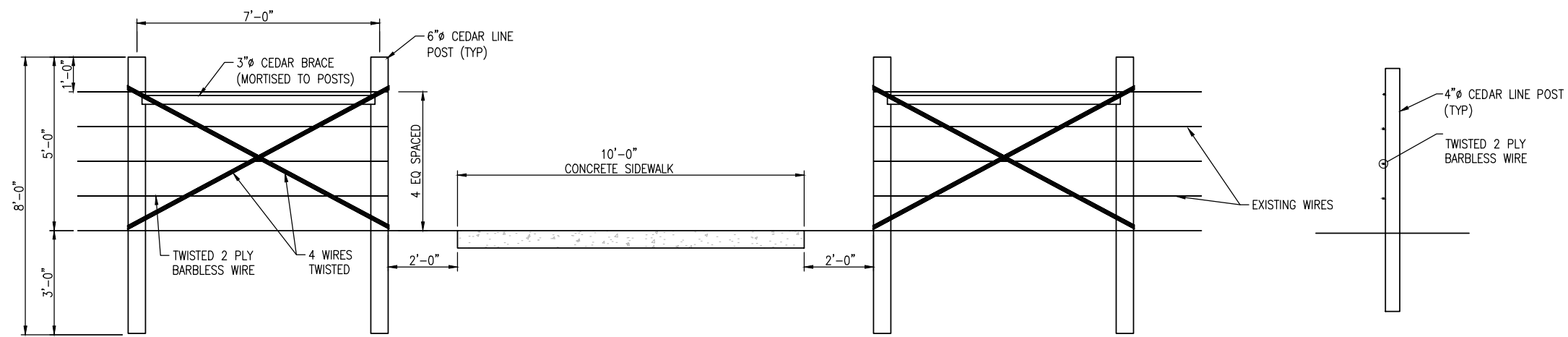
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Date: 2023.09.07 11:04:39-06'00'

Print Date: Sep 05, 2023	Sheet Revisions					As Constructed		ARROYO HONDO TRAIL DETAILS (SEGMENT 2)		Project No./Code
File Name: 20307 (07) Details.dwg	Date:	Comments	Init.			No Revisions:			Arroyo Hondo Trail	
Horiz. Scale:						Revised:	Designer: SJB	Structure	325-12126	
Unit Information	Unit Leader Initials					Void:	Detailer: LX	Numbers		
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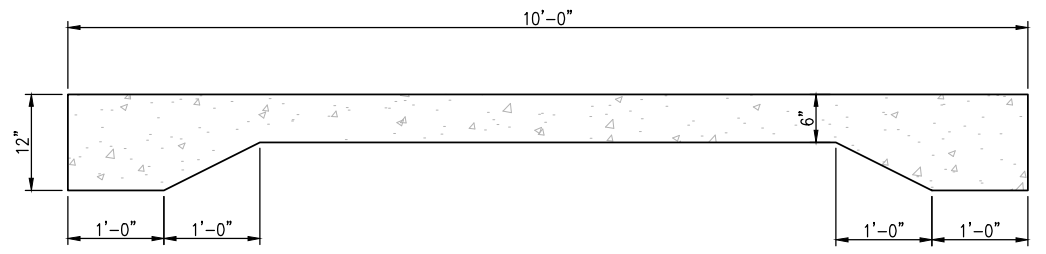
100% CONSTRUCTION PLANS - SEPTEMBER 2023



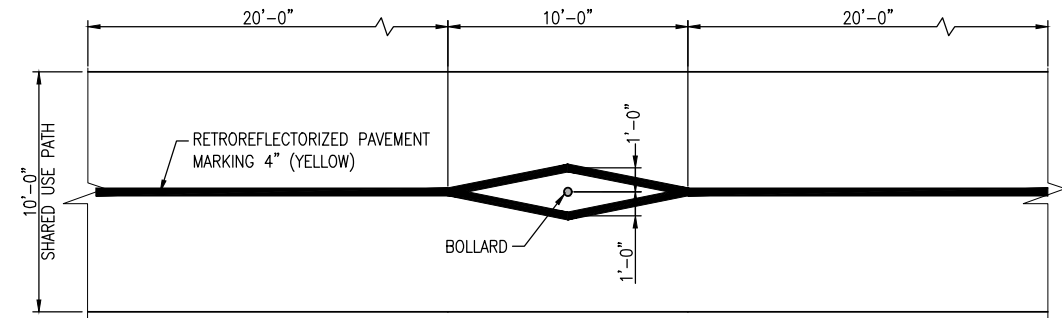
Digitally signed by Scott J. Belonger Date: 2023.09.07 11:05:10-06'00'



**NOTES:**  
PAID FOR BY ITEM 607000 WIRE FENCE



**SIDEWALK THICKENED EDGE DETAIL**  
COST OF CONCRETE THICKENED EDGE INCIDENTAL TO ITEM 608006 CONCRETE SIDEWALK 6" (COLORED)



**BOLLARD WITH STRIPING DETAIL**

**NOTES:**  
BOLLARDS PAID FOR BY ITEM 664000 LANDSCAPE COMPLETE. BOLLARD STRIPING PAID FOR BY ITEM 704000 REFLECTORIZED PAVEMENT MARKINGS 4".  
BOLLARDS SHALL BE REMOVABLE, 4" NOMINAL DIAMETER, MINIMUM 36" HEIGHT, WITH REFLECTIVE TAPE. APPROVED PRODUCTS INCLUDE:  
RELIANCE FOUNDRY, R-8032-EX FLEXIBLE FIXED BOLLARD, BLACK WITH WHITE REFLECTIVE TAPE, AND REMOVABLE MOUNTING <http://www.reliance-foundry.com/bollard/removable-flexible/R-8303-EX-Bollard>  
POST GUARD TRADITIONAL BENDABLE BOLLARD - REMOVABLE WITH REMOVABLE BENDABLE BOLLARD BASE - INNER LID <https://www.postguard.com/classic-bendable-bollard-core-drilled-removable>  
GLASS CITY PLASTICS - CLASSIC BENDABLE BOLLARD - REMOVABLE WITH INNER BASE <https://www.glasscityplastics.com/bendable-bollards?productid=100>  
OR APPROVED EQUAL.  
BOLLARDS SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.



**LITTER RECEPTACLE DETAIL**

**NOTES:**  
LITTER RECEPTACLE SHALL BE PAID FOR BY ITEM 664000 LANDSCAPE COMPLETE.  
RECEPTACLE SHALL INCLUDE ITEMS A-I LISTED IN THE PICTURE.  
LITTER RECEPTACLE - DOGIPOT PET STATION <https://www.belson.com/Steel-DOGIPOT-Pet-Station>  
OR APPROVED EQUAL.  
LITTER RECEPTACLE TO BE LOCATED AS DIRECTED BY ENGINEER

O:\PROJECT\20300\20307\04 CAD\ACAD\Drawings\Segment 3\Details.dwg Sep 05, 2023 - 3:40pm

100% CONSTRUCTION PLANS - SEPTEMBER 2023

Print Date: Sep 05, 2023	Sheet Revisions			Otak	As Constructed	ARROYO HONDO TRAIL DETAILS (SEGMENT 3)			Project No./Code
File Name: 20307 (06) Segment 3 Details.dwg	Date:	Comments	Init.			No Revisions:			
Horiz. Scale: Vert. Scale: As Noted				SANTA FE COUNTY	Revised:	Designer: SJB	Structure Numbers	325-12126	
Unit Information Unit Leader Initials					Void:	Detailer: LX	Subset Sheets:	28	
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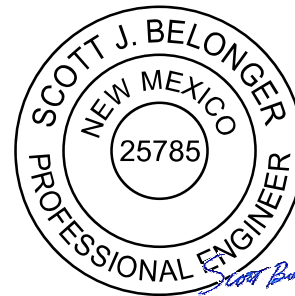
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FOUND #4 REBAR WITH CAP  
N=1668855.79  
E=1698911.17  
EL=6304.64

302  
SET #4 REBAR WITH CAP  
STAMPED "SMA CONTROL"  
N=1671329.91  
E=1699671.43  
EL=6296.32

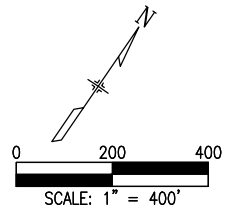
301  
SET #4 REBAR WITH CAP  
STAMPED "SMA CONTROL"  
N=1672535.72  
E=1704383.53  
EL=6365.98

Segment 2 Point Table				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
SF 52	1668855.79	1698911.17	6304.64	FOUND #4 REBAR WITH CAP
301	1672535.72	1704383.53	6365.98	SET #4 REBAR WITH CAP STAMPED "SMA CONTROL"
302	1671329.91	1699671.43	6296.32	SET #4 REBAR WITH CAP STAMPED "SMA CONTROL"

PROJECT IS A STATE PLANE COORDINATE SYSTEM  
NEW MEXICO CENTRAL ZONE US 1983  
ELEVATION FOR PROJECT BASED ON:  
POINTS SF 52, 301, 302, CAN BE USED AS CONTROL



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Scott J Belonger  
Date: 2023.09.07  
11:05:39-06'00'



Print Date: Sep 05, 2023	
File Name: 20307 (08) Land Survey Control Diagram (Seg 2).dwg	
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Date:	Comments	Init.



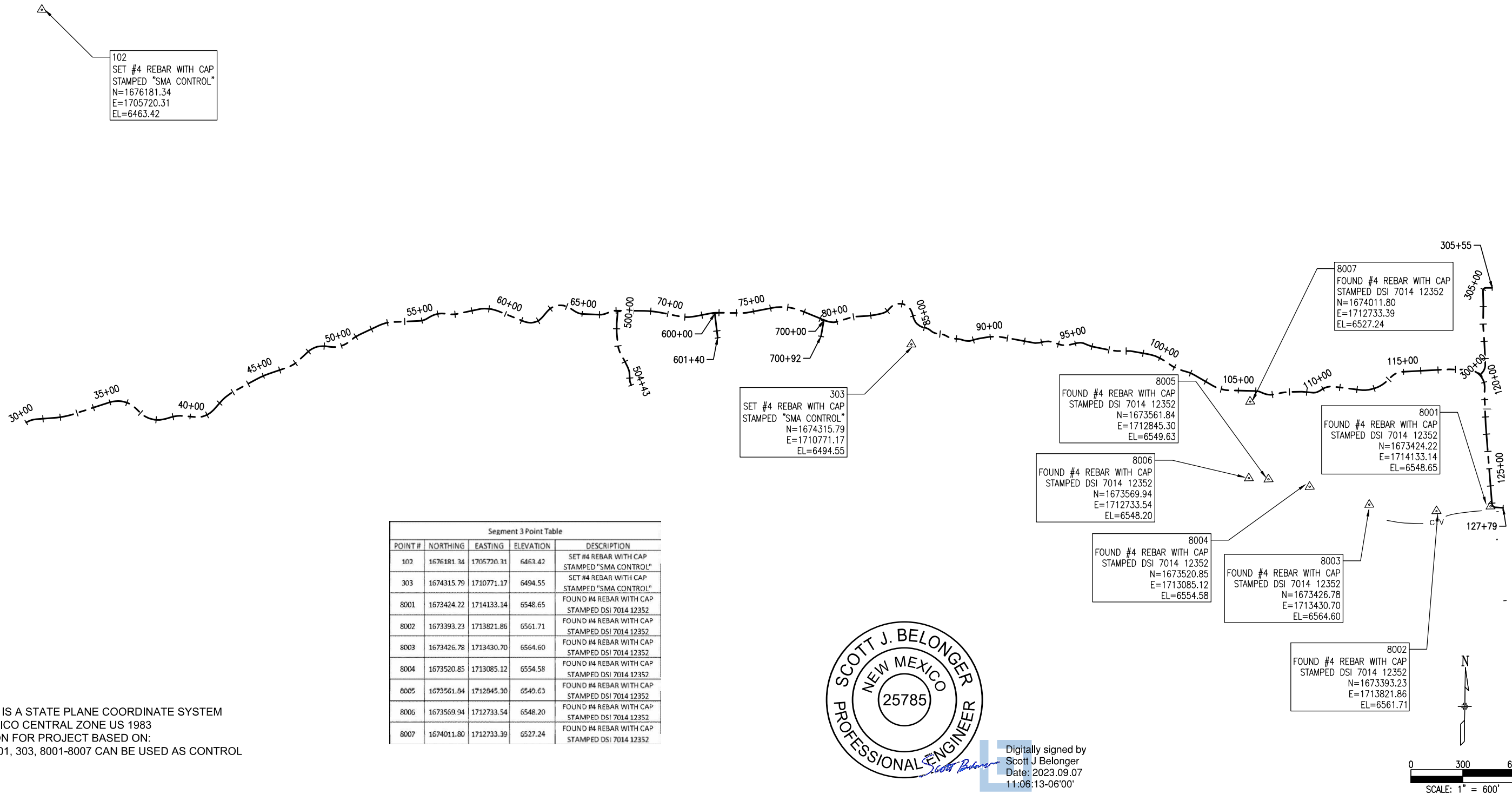
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Revised:  
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ARROYO HONDO TRAIL  
**LAND SURVEY CONTROL DIAGRAM  
(SEGMENT 2)**  
Designer: SJB  
Detailer: LX  
Structure Numbers  
Sheet Subset: SY-01  
Subset Sheets: 2

Project No./Code  
Arroyo Hondo Trail  
325-12126  
**29**

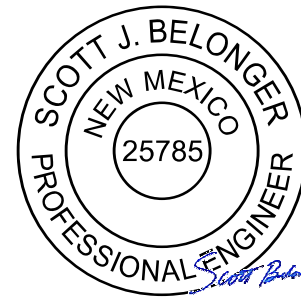
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Segment 3 Point Table				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
102	1676181.34	1705720.31	6463.42	SET #4 REBAR WITH CAP STAMPED "SMA CONTROL"
303	1674315.79	1710771.17	6494.55	SET #4 REBAR WITH CAP STAMPED "SMA CONTROL"
8001	1673424.22	1714133.14	6548.65	FOUND #4 REBAR WITH CAP STAMPED DSI 7014 12352
8002	1673393.23	1713821.86	6561.71	FOUND #4 REBAR WITH CAP STAMPED DSI 7014 12352
8003	1673426.78	1713430.70	6564.60	FOUND #4 REBAR WITH CAP STAMPED DSI 7014 12352
8004	1673520.85	1713085.12	6554.58	FOUND #4 REBAR WITH CAP STAMPED DSI 7014 12352
8005	1673561.84	1712845.30	6549.63	FOUND #4 REBAR WITH CAP STAMPED DSI 7014 12352
8006	1673569.94	1712733.54	6548.20	FOUND #4 REBAR WITH CAP STAMPED DSI 7014 12352
8007	1674011.80	1712733.39	6527.24	FOUND #4 REBAR WITH CAP STAMPED DSI 7014 12352

PROJECT IS A STATE PLANE COORDINATE SYSTEM  
 NEW MEXICO CENTRAL ZONE US 1983  
 ELEVATION FOR PROJECT BASED ON:  
 POINTS 101, 303, 8001-8007 CAN BE USED AS CONTROL



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 Scott J Belonger  
 Date: 2023.09.07  
 11:06:13-06'00'

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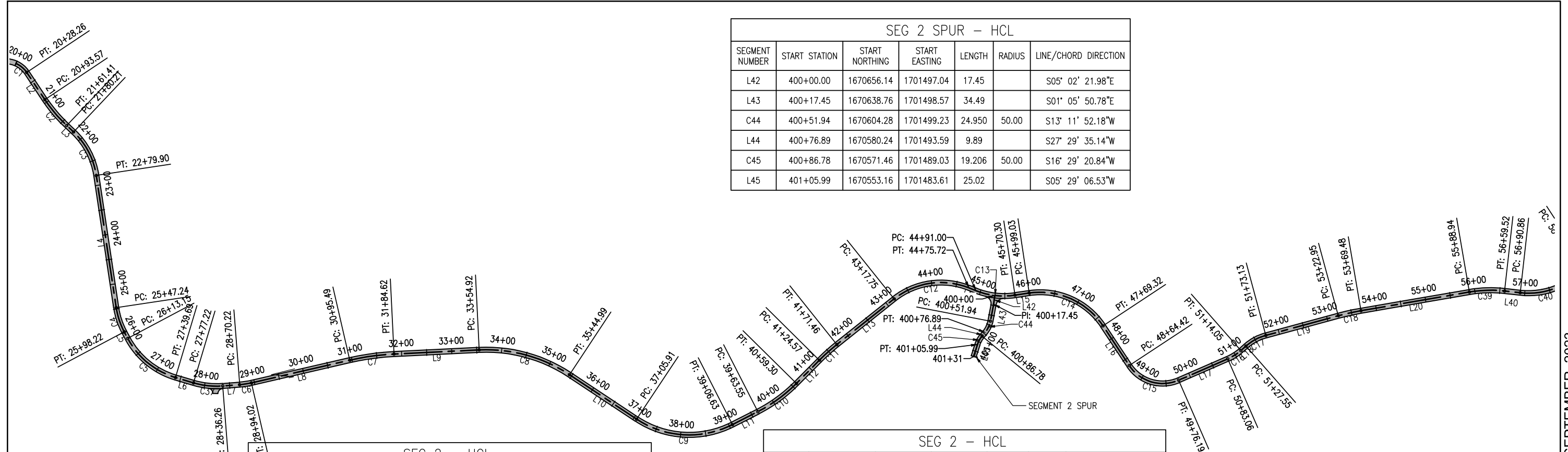
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Sheet Revisions			
Date:	Comments	Init.	



As Constructed	ARROYO HONDO TRAIL LAND SURVEY CONTROL DIAGRAM (SEGMENT 3)			Project No./Code
	No Revisions:			Arroyo Hondo Trail
	Revised:	Designer: SJB	Structure Numbers	325-12126
	Void:	Detailer: LX	Subset Sheets: 2	30


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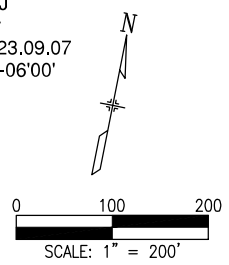
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L42	400+00.00	1670656.14	1701497.04	17.45		S05° 02' 21.98"E
L43	400+17.45	1670638.76	1701498.57	34.49		S01° 05' 50.78"E
C44	400+51.94	1670604.28	1701499.23	24.950	50.00	S13° 11' 52.18"W
L44	400+76.89	1670580.24	1701493.59	9.89		S27° 29' 35.14"W
C45	400+86.78	1670571.46	1701489.03	19.206	50.00	S16° 29' 20.84"W
L45	401+05.99	1670553.16	1701483.61	25.02		S05° 29' 06.53"W

SEGMENT NUMBER	START STATION	START NORTHING	START EASTING	LENGTH	RADIUS	LINE/CHORD DIRECTION
C1	20+00.00	1670705.13	1699489.55	28.259	50.00	S61° 49' 30.65"E
L2	20+28.26	1670691.97	1699514.13	65.31		S45° 38' 01.27"E
C2	20+93.57	1670646.30	1699560.82	67.842	300.00	S52° 06' 43.71"E
L3	21+61.41	1670604.72	1699614.25	18.79		S58° 35' 26.14"E
C3	21+80.21	1670594.93	1699630.29	99.698	150.00	S39° 32' 58.71"E
L4	22+79.90	1670519.46	1699692.61	267.34		S20° 30' 31.29"E
C4	25+47.24	1670269.07	1699786.27	50.972	150.00	S30° 14' 37.04"E
L5	25+98.22	1670225.25	1699811.82	14.93		S39° 58' 42.79"E
C5	26+13.15	1670213.80	1699821.42	126.540	160.00	S62° 38' 07.49"E
L6	27+39.69	1670157.14	1699930.89	37.54		S85° 17' 32.20"E
C37	27+77.22	1670154.06	1699968.30	59.038	160.00	N84° 08' 13.24"E
L7	28+36.26	1670160.06	1700026.70	33.96		N73° 33' 58.68"E
C6	28+70.22	1670169.67	1700059.27	23.800	160.00	N69° 18' 17.54"E
L8	28+94.02	1670178.07	1700081.52	201.46		N65° 02' 36.39"E
C7	30+95.49	1670263.07	1700264.17	89.133	500.00	N70° 09' 01.32"E
L9	31+84.62	1670293.30	1700347.90	170.30		N75° 15' 26.25"E
C8	33+54.92	1670336.64	1700512.59	190.074	300.00	S86° 35' 30.99"E
L10	35+44.99	1670325.53	1700699.17	160.92		S68° 26' 28.22"E
C9	37+05.91	1670266.40	1700848.83	200.720	190.00	N81° 17' 40.57"E
L11	39+06.63	1670295.38	1701038.14	56.92		N51° 01' 49.36"E

SEGMENT NUMBER	START STATION	START NORTHING	START EASTING	LENGTH	RADIUS	LINE/CHORD DIRECTION
C10	39+63.55	1670331.18	1701082.39	95.754	300.00	N41° 53' 11.67"E
L12	40+59.30	1670402.16	1701146.05	65.27		N32° 44' 33.99"E
C11	41+24.57	1670457.06	1701181.35	46.888	400.00	N36° 06' 03.20"E
L13	41+71.46	1670494.92	1701208.96	146.29		N39° 27' 32.40"E
C12	43+17.75	1670607.87	1701301.93	157.970	150.00	N69° 37' 44.57"E
L14	44+75.72	1670660.35	1701443.27	15.28		S80° 12' 03.26"E
C13	44+91.00	1670657.75	1701458.33	79.298	150.00	N84° 39' 15.37"E
L15	45+70.30	1670665.06	1701536.37	28.73		N69° 30' 34.01"E
C14	45+99.03	1670675.11	1701563.28	170.292	150.00	S77° 58' 01.61"E
L16	47+69.32	1670641.49	1701721.03	95.11		S45° 26' 37.23"E
C15	48+64.42	1670574.76	1701788.80	111.766	80.00	S85° 28' 00.73"E
L17	49+76.19	1670566.63	1701891.37	106.87		N54° 30' 35.77"E
C16	50+83.06	1670628.67	1701978.39	30.991	100.00	N45° 37' 53.58"E
L18	51+14.05	1670650.26	1702000.45	13.50		N36° 45' 11.38"E
C17	51+27.55	1670661.08	1702008.53	45.579	100.00	N49° 48' 38.51"E
L19	51+73.13	1670690.24	1702043.05	149.81		N62° 52' 05.64"E
C18	53+22.95	1670758.56	1702176.38	46.528	495.00	N65° 33' 39.73"E
L20	53+69.48	1670777.80	1702218.72	219.47		N68° 15' 13.82"E
C39	55+88.94	1670859.11	1702422.57	70.579	250.00	N76° 20' 29.78"E
L40	56+59.52	1670875.72	1702490.93	31.34		N84° 25' 45.74"E



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Print Date: Sep 05, 2023
File Name: 20307 (08B) Geo (Seg 2).dwg
Horiz. Scale: Vert. Scale: As Noted
Unit Information Unit Leader Initials

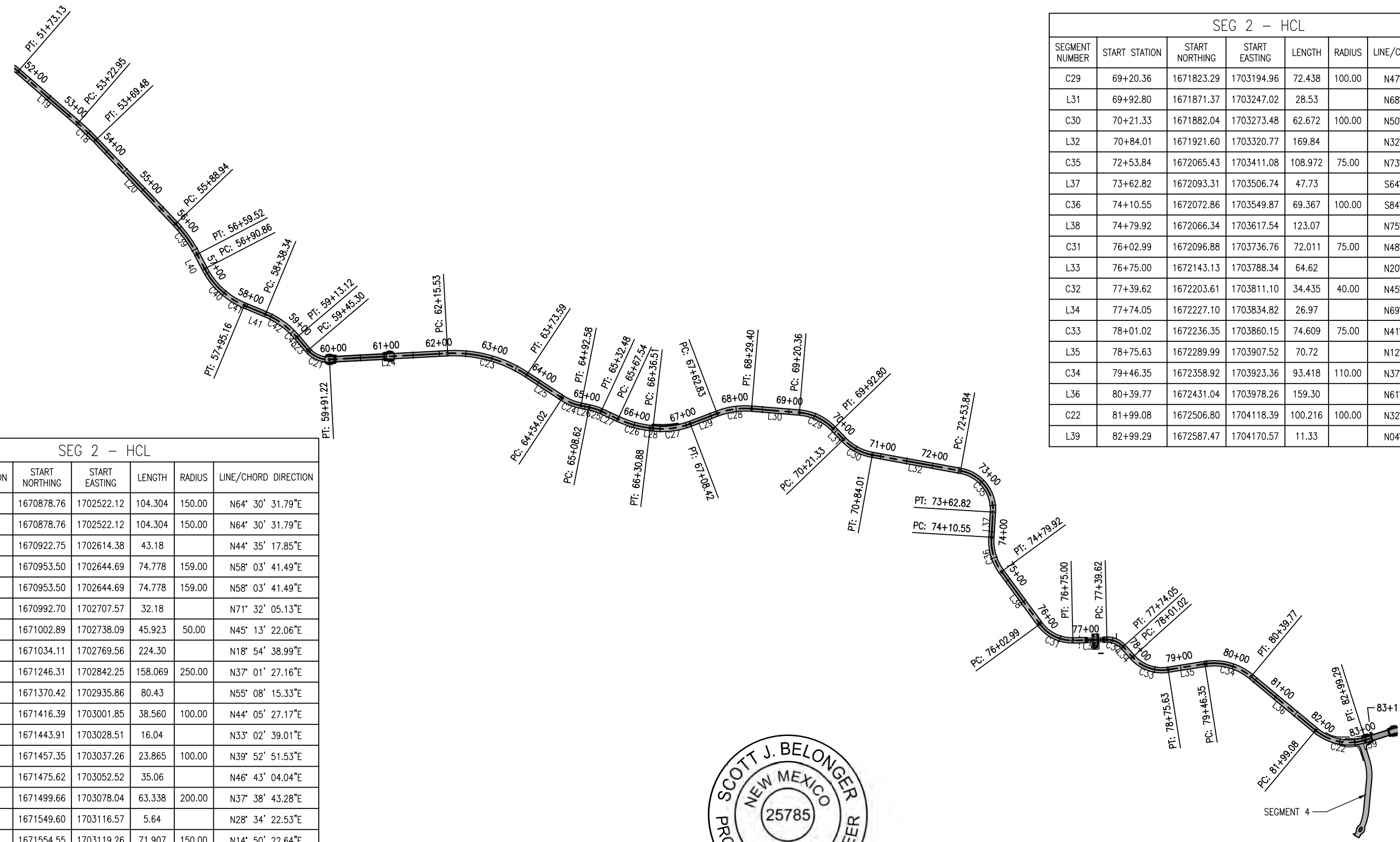
Date:	Comments	Init.



As Constructed	ARROYO HONDO TRAIL GEOMETRIC CONTROL PLAN (SEGMENT 2)		Project No./Code
No Revisions:	Designer: SJB	Structure Numbers	Arroyo Hondo Trail
Revised:	Detailer: BDZ	Subset Sheets: 5	325-12126
Void:	Sheet Subset: GE-01		<b>31</b>

100% CONSTRUCTION PLANS - SEPTEMBER 2023

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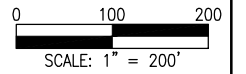


SEG 2 - HCL						
SEGMENT NUMBER	START STATION	START NORTHING	START EASTING	LENGTH	RADIUS	LINE/CHORD DIRECTION
C29	69+20.36	1671823.29	1703194.96	72.438	100.00	N47° 16' 58.01"E
L31	69+92.80	1671871.37	1703247.02	28.53		N68° 02' 04.61"E
C30	70+21.33	1671882.04	1703273.48	62.672	100.00	N50° 04' 49.35"E
L32	70+84.01	1671921.60	1703320.77	169.84		N32° 07' 34.10"E
C35	72+53.84	1672065.43	1703411.08	108.972	75.00	N73° 45' 01.40"E
L37	73+62.82	1672093.31	1703506.74	47.73		S64° 37' 31.30"E
C36	74+10.55	1672072.86	1703549.87	69.367	100.00	S84° 29' 51.60"E
L38	74+79.92	1672066.34	1703617.54	123.07		N75° 37' 48.10"E
C31	76+02.99	1672096.88	1703736.76	72.011	75.00	N48° 07' 25.30"E
L33	76+75.00	1672143.13	1703788.34	64.62		N20° 37' 02.50"E
C32	77+39.62	1672203.61	1703811.10	34.435	40.00	N45° 16' 47.70"E
L34	77+74.05	1672227.10	1703834.82	26.97		N69° 56' 32.90"E
C33	78+01.02	1672236.35	1703860.15	74.609	75.00	N41° 26' 37.94"E
L35	78+75.63	1672289.99	1703907.52	70.72		N12° 56' 42.97"E
C34	79+46.35	1672358.92	1703923.36	93.418	110.00	N37° 16' 28.33"E
L36	80+39.77	1672431.04	1703978.26	159.30		N61° 36' 13.70"E
C22	81+99.08	1672506.80	1704118.39	100.216	100.00	N32° 53' 38.76"E
L39	82+99.29	1672587.47	1704170.57	11.33		N04° 11' 03.81"E

SEG 2 - HCL						
SEGMENT NUMBER	START STATION	START NORTHING	START EASTING	LENGTH	RADIUS	LINE/CHORD DIRECTION
C40	56+90.86	1670878.76	1702522.12	104.304	150.00	N64° 30' 31.79"E
C41	56+90.86	1670878.76	1702522.12	104.304	150.00	N64° 30' 31.79"E
L41	57+95.16	1670922.75	1702614.38	43.18		N44° 35' 17.85"E
C42	58+38.34	1670953.50	1702644.69	74.778	159.00	N58° 03' 41.49"E
C43	58+38.34	1670953.50	1702644.69	74.778	159.00	N58° 03' 41.49"E
L23	59+13.12	1670992.70	1702707.57	32.18		N71° 32' 05.13"E
C21	59+45.30	1671002.89	1702738.09	45.923	50.00	N45° 13' 22.06"E
L24	59+91.22	1671034.11	1702769.56	224.30		N18° 54' 38.99"E
C23	62+15.53	1671246.31	1702842.25	158.069	250.00	N37° 01' 27.16"E
L25	63+73.59	1671370.42	1702935.86	80.43		N55° 08' 15.33"E
C24	64+54.02	1671416.39	1703001.85	38.560	100.00	N44° 05' 27.17"E
L26	64+92.58	1671443.91	1703028.51	16.04		N33° 02' 39.01"E
C25	65+08.62	1671457.35	1703037.26	23.865	100.00	N39° 52' 51.53"E
L27	65+32.48	1671475.62	1703052.52	35.06		N46° 43' 04.04"E
C26	65+67.54	1671499.66	1703078.04	63.338	200.00	N37° 38' 43.28"E
L28	66+30.88	1671549.60	1703116.57	5.64		N28° 34' 22.53"E
C27	66+36.51	1671554.55	1703119.26	71.907	150.00	N14° 50' 22.64"E
L29	67+08.42	1671623.40	1703137.50	54.41		N01° 06' 22.75"E
C28	67+62.83	1671677.80	1703138.56	66.562	150.00	N13° 49' 07.08"E
L30	68+29.40	1671741.91	1703154.32	90.97		N26° 31' 51.41"E



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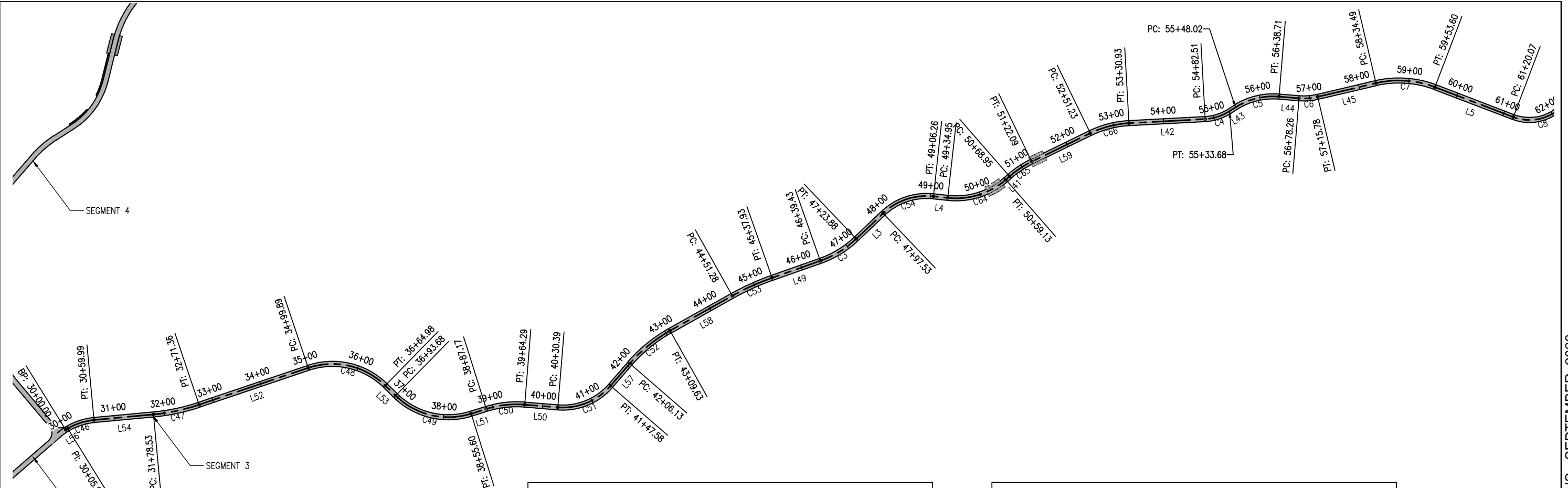


100% CONSTRUCTION PLANS - SEPTEMBER 2023

Print Date: Sep 05, 2023	Sheet Revisions					As Constructed		ARROYO HONDO TRAIL <b>GEOMETRIC CONTROL PLAN</b> (SEGMENT 2)		Project No./Code	
File Name: 20307 (08B) Geo (Seg 2).dwg	Date:	Comments	Init.			No Revisions:	Arroyo Hondo Trail				
Horiz. Scale:                      Vert. Scale: As Noted					Revised:	Designer: SJB	Structure Numbers:	325-12126		32	
Unit Information                      Unit Leader Initials					Void:	Detailer: BDZ	Subset Sheets:	5			



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SEG 3 - HCL

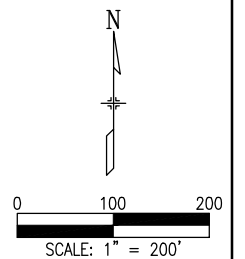
SEGMENT NUMBER	START STATION	START NORTHING	START EASTING	LENGTH	RADIUS	LINE/CHORD DIRECTION
L56	30+00.00	1673795.40	1705663.58	5.00		N58° 16' 54.67"E
C46	30+05.00	1673798.03	1705667.83	54.990	125.00	N72° 01' 51.19"E
L54	30+59.99	1673814.86	1705719.72	118.54		N84° 38' 01.32"E
C47	31+78.53	1673825.95	1705837.74	92.828	400.00	N77° 59' 07.33"E
L52	32+71.36	1673845.23	1705928.33	228.53		N71° 20' 13.35"E
C48	34+99.89	1673918.36	1706144.84	165.091	150.00	S77° 07' 58.37"E
L53	36+64.98	1673883.42	1706297.79	28.70		S45° 36' 10.09"E
C49	36+93.68	1673863.34	1706318.29	161.917	150.00	S76° 31' 35.72"E
L51	38+55.60	1673827.42	1706468.22	31.57		N72° 32' 58.64"E
C50	38+87.17	1673836.89	1706498.34	77.121	200.00	N83° 35' 46.89"E
L50	39+64.29	1673845.44	1706574.51	66.10		S85° 21' 24.87"E
C51	40+30.39	1673840.09	1706640.39	117.187	125.00	N67° 47' 08.74"E
L57	41+47.58	1673882.79	1706744.95	58.55		N40° 55' 42.35"E
C52	42+06.13	1673927.03	1706783.31	103.501	300.00	N50° 48' 43.47"E
L58	43+09.63	1673992.10	1706863.13	141.65		N60° 41' 44.59"E
C53	44+51.28	1674061.43	1706986.65	86.649	500.00	N65° 39' 37.17"E
L49	45+37.93	1674097.10	1707065.50	101.50		N70° 37' 29.75"E
C3	46+39.43	1674130.77	1707161.25	84.449	200.00	N58° 31' 42.57"E

SEG 3 - HCL

SEGMENT NUMBER	START STATION	START NORTHING	START EASTING	LENGTH	RADIUS	LINE/CHORD DIRECTION
L3	47+23.88	1674174.53	1707232.74	73.65		N46° 25' 55.39"E
C54	47+97.53	1674225.29	1707286.11	108.731	125.00	N71° 21' 04.62"E
L4	49+06.26	1674258.97	1707385.91	28.69		S83° 43' 46.16"E
C64	49+34.95	1674255.84	1707414.43	124.183	150.00	N72° 33' 12.14"E
L41	50+59.13	1674292.02	1707529.54	9.82		N48° 50' 10.43"E
C65	50+68.95	1674298.48	1707536.94	53.144	200.00	N56° 26' 54.68"E
L59	51+22.09	1674327.77	1707581.10	129.14		N64° 03' 38.94"E
C66	52+51.23	1674384.26	1707697.22	79.696	200.00	N75° 28' 35.32"E
L42	53+30.93	1674404.11	1707773.86	151.58		N86° 53' 31.70"E
C4	54+82.51	1674412.33	1707925.23	51.170	100.00	N72° 13' 58.54"E
L43	55+33.68	1674427.77	1707973.43	14.34		N57° 34' 25.39"E
C5	55+48.02	1674435.46	1707985.53	90.681	140.00	N76° 07' 46.77"E
L44	56+38.71	1674456.82	1708072.04	39.55		S85° 18' 51.85"E
C6	56+78.26	1674453.59	1708111.46	37.523	120.00	N85° 43' 39.61"E
L45	57+15.78	1674456.38	1708148.73	118.70		N76° 46' 11.07"E
C7	58+34.49	1674483.54	1708264.28	119.115	200.00	S86° 10' 05.66"E
L5	59+53.60	1674475.70	1708381.38	166.47		S69° 06' 22.38"E
C8	61+20.07	1674416.33	1708536.90	113.047	90.00	N74° 54' 35.08"E



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Print Date: Sep 05, 2023
File Name: 20307 (07B) Geo (Seg3).dwg
Horiz. Scale: Unit Information
Vert. Scale: As Noted
Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.



As Constructed	ARROYO HONDO TRAIL GEOMETRIC CONTROL PLAN (SEGMENT 3)	
No Revisions:	Designer: SJB	Structure Numbers
Revised:	Detailer: BDZ	
Void:	Sheet Subset: GE-03	Subset Sheets: 5

Project No./Code
Arroyo Hondo Trail
325-12126
<b>33</b>

100% CONSTRUCTION PLANS - SEPTEMBER 2023

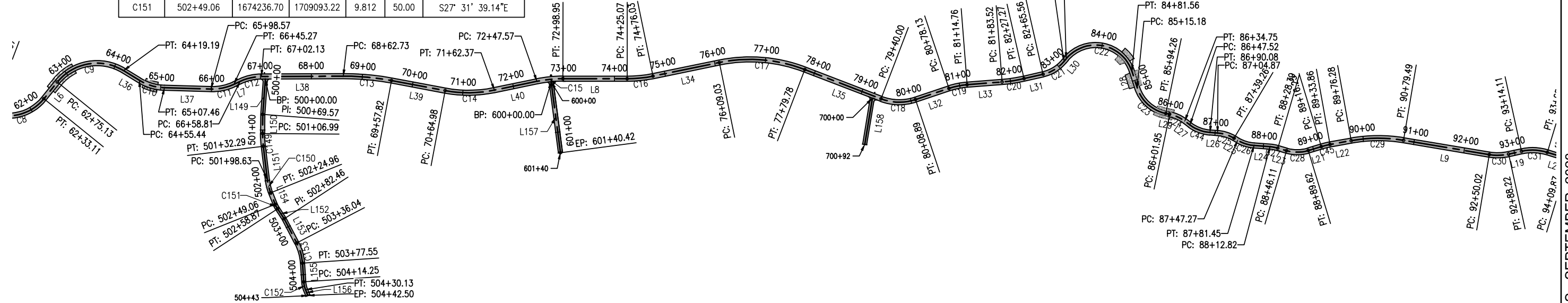
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SEGMENT NUMBER	START STATION	START NORTHING	START EASTING	LENGTH	RADIUS	LINE/CHORD DIRECTION
L149	500+00.00	1674482.41	1709073.83	69.57		S04° 13' 43.46"W
L150	500+69.57	1674413.03	1709068.70	37.42		S00° 25' 24.02"W
C149	501+06.99	1674375.61	1709068.42	25.300	200.00	S03° 12' 02.48"E
L151	501+32.29	1674350.37	1709069.83	66.34		S06° 49' 28.98"E
C150	501+98.63	1674284.49	1709077.72	26.322	100.00	S14° 21' 55.04"E
L154	502+24.96	1674259.07	1709084.23	24.11		S21° 54' 21.10"E
C151	502+49.06	1674236.70	1709093.22	9.812	50.00	S27° 31' 39.14"E

SEG 3 SPUR 1 - HCL						
SEGMENT NUMBER	START STATION	START NORTHING	START EASTING	LENGTH	RADIUS	LINE/CHORD DIRECTION
L152	502+58.87	1674228.02	1709097.75	23.58		S33° 08' 57.17"E
L153	502+82.46	1674208.27	1709110.64	53.59		S27° 36' 12.24"E
C153	503+36.04	1674160.78	1709135.47	41.511	100.00	S15° 42' 41.05"E
L155	503+77.55	1674121.11	1709146.63	36.69		S03° 49' 09.86"E
C152	504+14.25	1674084.50	1709149.08	15.886	50.00	S12° 55' 17.05"E
L156	504+30.13	1674069.08	1709152.61	12.37		S22° 01' 24.23"E

SEG 3 SPUR 2 - HCL						
SEGMENT NUMBER	START STATION	START NORTHING	START EASTING	LENGTH	RADIUS	LINE/CHORD DIRECTION
L157	600+00.00	1674477.19	1709634.82	140.42		S07° 26' 52.29"E

SEG 3 SPUR 3 - HCL						
SEGMENT NUMBER	START STATION	START NORTHING	START EASTING	LENGTH	RADIUS	LINE/CHORD DIRECTION
L158	700+00.00	1674444.93	1710265.25	91.98		S09° 21' 35.75"W



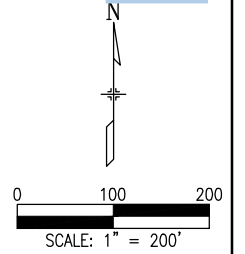
SEG 3 - HCL						
SEGMENT NUMBER	START STATION	START NORTHING	START EASTING	LENGTH	RADIUS	LINE/CHORD DIRECTION
L6	62+33.11	1674443.87	1708639.01	42.02		N38° 55' 32.55"E
C9	62+75.13	1674476.55	1708665.41	144.058	100.00	N80° 11' 42.73"E
L36	64+19.19	1674499.02	1708795.41	36.26		S58° 32' 07.09"E
C10	64+55.44	1674480.09	1708826.33	52.015	100.00	S73° 26' 11.70"E
L37	65+07.46	1674465.43	1708875.63	91.11		S88° 20' 16.31"E
C11	65+98.57	1674462.79	1708966.70	46.706	100.00	N78° 16' 54.54"E
L7	66+45.27	1674472.19	1709012.02	13.54		N64° 54' 05.40"E
C12	66+58.81	1674477.93	1709024.28	43.317	100.00	N77° 18' 39.23"E
L38	67+02.13	1674487.37	1709066.21	160.60		N89° 43' 13.07"E
C13	68+62.73	1674488.16	1709226.81	95.087	500.00	S84° 49' 53.78"E
L39	69+57.82	1674479.60	1709321.37	107.17		S79° 23' 00.62"E
C14	70+64.98	1674459.86	1709426.70	97.383	250.00	N89° 27' 25.99"E
L40	71+62.37	1674460.78	1709523.46	85.20		N78° 17' 52.59"E
C15	72+47.57	1674478.06	1709606.89	51.386	250.00	N84° 11' 10.94"E
L8	72+98.95	1674483.25	1709657.92	126.12		S89° 55' 30.72"E
C16	74+25.07	1674483.09	1709784.04	50.955	250.00	N84° 14' 08.64"E
L34	74+76.03	1674488.20	1709834.65	133.00		N78° 23' 48.00"E
C17	76+09.03	1674514.95	1709964.93	170.755	300.00	S85° 17' 50.85"E

SEG 3 - HCL						
SEGMENT NUMBER	START STATION	START NORTHING	START EASTING	LENGTH	RADIUS	LINE/CHORD DIRECTION
L35	77+79.78	1674501.14	1710132.82	160.21		S68° 59' 29.70"E
C18	79+40.00	1674443.70	1710282.39	68.898	100.00	S88° 43' 45.41"E
L32	80+08.89	1674442.20	1710349.91	69.23		N71° 31' 58.87"E
C19	80+78.13	1674464.13	1710415.58	36.638	150.00	N78° 31' 49.31"E
L33	81+14.76	1674471.40	1710451.40	68.76		N85° 31' 39.75"E
C20	81+83.52	1674476.76	1710519.95	43.748	300.00	N81° 21' 00.34"E
L31	82+27.27	1674483.34	1710563.16	38.29		N77° 10' 20.93"E
C21	82+65.56	1674491.84	1710600.49	49.137	75.00	N58° 24' 12.88"E
L30	83+14.69	1674517.12	1710641.60	6.53		N39° 38' 04.84"E
C22	83+21.23	1674522.15	1710645.77	160.328	75.00	S79° 07' 28.22"E
L28	84+81.56	1674497.34	1710774.90	33.62		S17° 53' 01.29"E
C23	85+15.18	1674465.35	1710785.23	79.082	75.00	S48° 05' 26.86"E
L29	85+94.26	1674414.94	1710841.39	7.69		S78° 17' 52.43"E
C24	86+01.95	1674413.38	1710848.93	32.796	75.00	S65° 46' 15.21"E
L27	86+34.75	1674400.03	1710878.60	12.77		S53° 14' 37.98"E
C44	86+47.52	1674392.38	1710888.83	42.555	75.00	S69° 29' 54.80"E
L26	86+90.08	1674377.68	1710928.16	14.79		S85° 45' 11.62"E
C25	87+04.87	1674376.58	1710942.91	34.385	75.00	S72° 37' 09.20"E

SEG 3 - HCL						
SEGMENT NUMBER	START STATION	START NORTHING	START EASTING	LENGTH	RADIUS	LINE/CHORD DIRECTION
L25	87+39.26	1674366.40	1710975.44	8.01		S59° 29' 06.77"E
C26	87+47.27	1674362.33	1710982.34	34.184	75.00	S72° 32' 33.47"E
L24	87+81.45	1674352.17	1711014.67	31.37		S85° 36' 00.17"E
C27	88+12.82	1674349.76	1711045.94	15.575	75.00	S79° 39' 02.68"E
L23	88+28.39	1674346.97	1711061.23	17.71		S73° 42' 05.19"E
C28	88+46.11	1674341.99	1711078.24	43.515	75.00	N89° 40' 37.62"E
L21	88+89.62	1674342.24	1711121.14	26.63		N73° 03' 20.43"E
C45	89+16.25	1674350.00	1711146.62	17.601	150.00	N76° 25' 01.88"E
L22	89+33.86	1674354.13	1711163.72	42.43		N79° 46' 43.33"E
C29	89+76.28	1674361.66	1711205.47	103.207	300.00	N89° 38' 03.45"E
L9	90+79.49	1674362.31	1711308.17	170.53		S80° 30' 36.43"E
C30	92+50.02	1674334.20	1711476.37	38.201	100.00	N88° 32' 45.52"E
L19	92+88.22	1674335.16	1711514.32	25.89		N77° 36' 07.48"E
C31	93+14.11	1674340.72	1711539.61	51.316	100.00	S87° 41' 49.14"E
L20	93+65.43	1674338.68	1711590.33	44.44		S72° 59' 45.76"E
C32	94+09.87	1674325.68	1711632.82	54.688	100.00	S88° 39' 46.99"E
L10	94+64.55	1674324.42	1711686.81	44.26		N75° 40' 11.78"E
C33	95+08.81	1674335.38	1711729.70	49.517	75.00	S85° 24' 57.30"E



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Unit Information                      Unit Leader Initials

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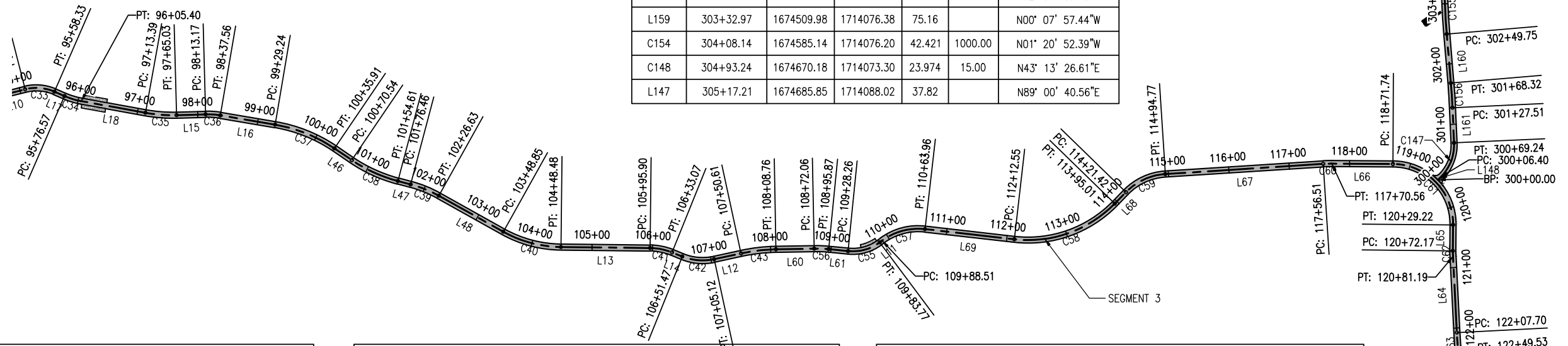
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Project No./Code	Arroyo Hondo Trail
	325-12126
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SEG 3A - HCL						
SEGMENT NUMBER	START STATION	START NORTHING	START EASTING	LENGTH	RADIUS	LINE/CHORD DIRECTION
L148	300+00.00	1674185.50	1714065.38	6.40		N45° 26' 32.91"E
C147	300+06.40	1674190.00	1714069.95	62.839	75.00	N21° 26' 22.79"E
L161	300+69.24	1674246.79	1714092.25	58.27		N02° 33' 47.33"W
C156	301+27.51	1674305.00	1714089.64	40.805	1000.00	N03° 43' 55.69"W
L160	301+68.32	1674345.72	1714086.99	81.43		N04° 54' 04.05"W
C155	302+49.75	1674426.85	1714080.03	83.226	1000.00	N02° 31' 00.75"W
L159	303+32.97	1674509.98	1714076.38	75.16		N00° 07' 57.44"W
C154	304+08.14	1674585.14	1714076.20	42.421	1000.00	N01° 20' 52.39"W
C148	304+93.24	1674670.18	1714073.30	23.974	15.00	N43° 13' 26.61"E
L147	305+17.21	1674685.85	1714088.02	37.82		N89° 00' 40.56"E



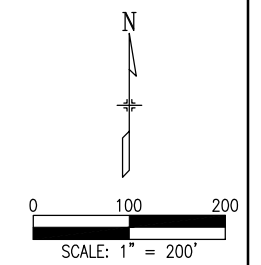
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L17	95+58.33	1674331.49	1711778.16	18.24		S66° 30' 06.37"E
C34	95+76.57	1674324.22	1711794.89	28.838	125.00	S73° 06' 39.10"E
L18	96+05.40	1674315.86	1711822.42	107.98		S79° 43' 11.83"E
C35	97+13.39	1674296.59	1711928.67	51.643	250.00	S85° 38' 16.24"E
L15	97+65.03	1674292.67	1711980.07	48.14		N88° 26' 39.35"E
C36	98+13.17	1674293.98	1712028.19	24.385	125.00	S85° 58' 01.37"E
L16	98+37.56	1674292.27	1712052.48	91.68		S80° 22' 42.09"E
C37	99+29.24	1674276.94	1712142.87	106.675	250.00	S68° 09' 15.39"E
L46	100+35.91	1674237.55	1712241.14	34.63		S55° 55' 48.69"E
C38	100+70.54	1674218.15	1712269.82	84.065	250.00	S65° 33' 48.10"E
L47	101+54.61	1674183.54	1712346.00	21.85		S75° 11' 47.51"E
C39	101+76.46	1674177.95	1712367.12	50.172	200.00	S68° 00' 35.96"E
L48	102+26.63	1674159.22	1712413.52	122.22		S60° 49' 24.42"E
C40	103+48.85	1674099.63	1712520.23	99.628	200.00	S75° 05' 38.89"E
L13	104+48.48	1674074.27	1712615.52	147.42		S89° 21' 53.36"E
C41	105+95.90	1674072.64	1712762.93	37.179	100.00	S78° 42' 49.95"E
L14	106+33.07	1674065.40	1712799.18	18.39		S68° 03' 46.53"E
C42	106+51.47	1674058.53	1712816.24	53.650	90.00	S85° 08' 25.45"E

SEG 3 - HCL						
SEGMENT NUMBER	START STATION	START NORTHING	START EASTING	LENGTH	RADIUS	LINE/CHORD DIRECTION
L12	107+05.12	1674054.05	1712868.91	45.50		N77° 46' 55.63"E
C43	107+50.61	1674063.68	1712913.37	58.143	300.00	N83° 20' 03.59"E
L60	108+08.76	1674070.42	1712971.03	63.30		N88° 53' 11.55"E
C56	108+72.06	1674071.65	1713034.32	23.814	200.00	S87° 42' 08.68"E
L61	108+95.87	1674070.70	1713058.10	32.39		S84° 17' 28.91"E
C55	109+28.26	1674067.47	1713090.34	55.505	75.00	N74° 30' 25.65"E
L11	109+83.77	1674081.96	1713142.61	4.74		N53° 18' 20.21"E
C57	109+88.51	1674084.80	1713146.41	75.451	100.00	N74° 55' 14.95"E
L69	110+63.96	1674103.96	1713217.55	148.58		S83° 27' 50.31"E
C58	112+12.55	1674087.05	1713365.17	182.462	200.00	N70° 24' 01.13"E
L68	113+95.01	1674146.16	1713531.16	26.41		N44° 15' 52.56"E
C59	114+21.42	1674165.07	1713549.59	73.355	100.00	N65° 16' 45.21"E
L67	114+94.77	1674195.06	1713614.74	261.74		N86° 17' 37.86"E
C60	117+56.51	1674211.98	1713875.93	14.052	200.00	N88° 18' 23.95"E
L66	117+70.56	1674212.40	1713889.98	101.18		S89° 40' 49.95"E
C61	118+71.74	1674211.83	1713991.15	157.482	100.00	S44° 33' 54.59"E
L65	120+29.22	1674110.87	1714090.59	42.95		S00° 33' 00.77"W
C62	120+72.17	1674067.93	1714090.18	9.021	150.00	S01° 10' 21.33"E

SEG 3 - HCL						
SEGMENT NUMBER	START STATION	START NORTHING	START EASTING	LENGTH	RADIUS	LINE/CHORD DIRECTION
L64	120+81.19	1674058.91	1714090.36	126.51		S02° 53' 43.43"E
C63	122+07.70	1673932.56	1714096.75	41.829	1000.00	S04° 05' 37.41"E
L63	122+49.53	1673890.84	1714099.74	455.61		S05° 17' 31.38"E
C157	127+05.14	1673437.18	1714141.76	28.759	20.00	S46° 29' 09.17"E
L62	127+33.90	1673419.04	1714160.86	45.57		S87° 40' 46.95"E



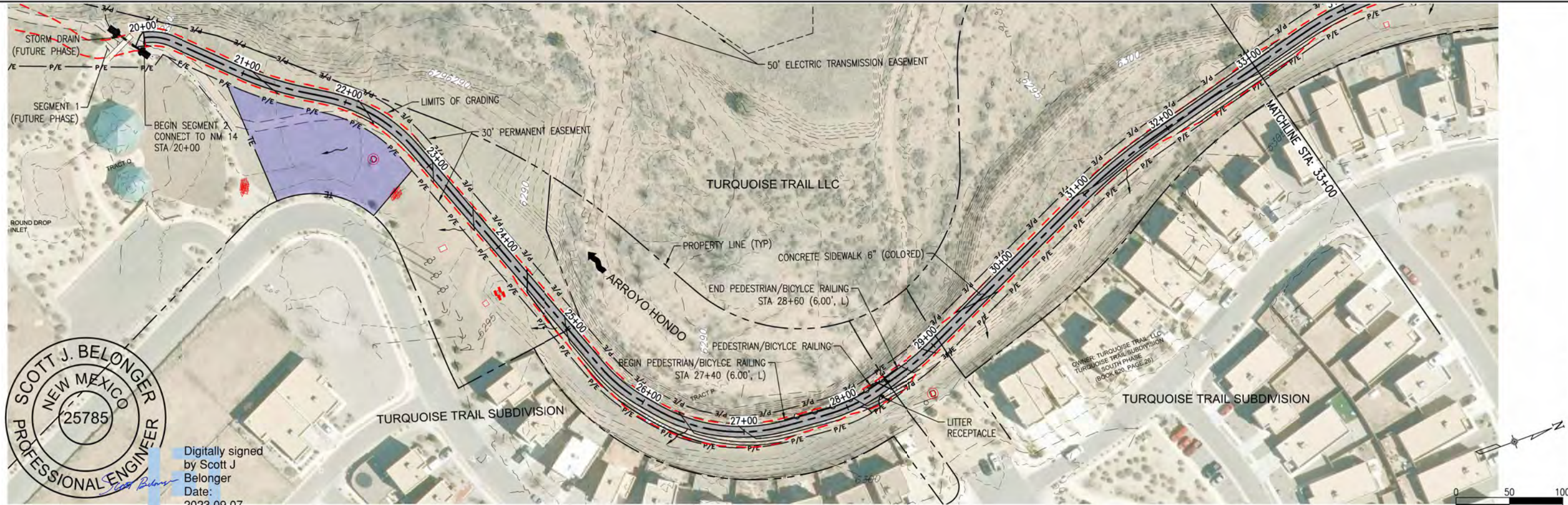
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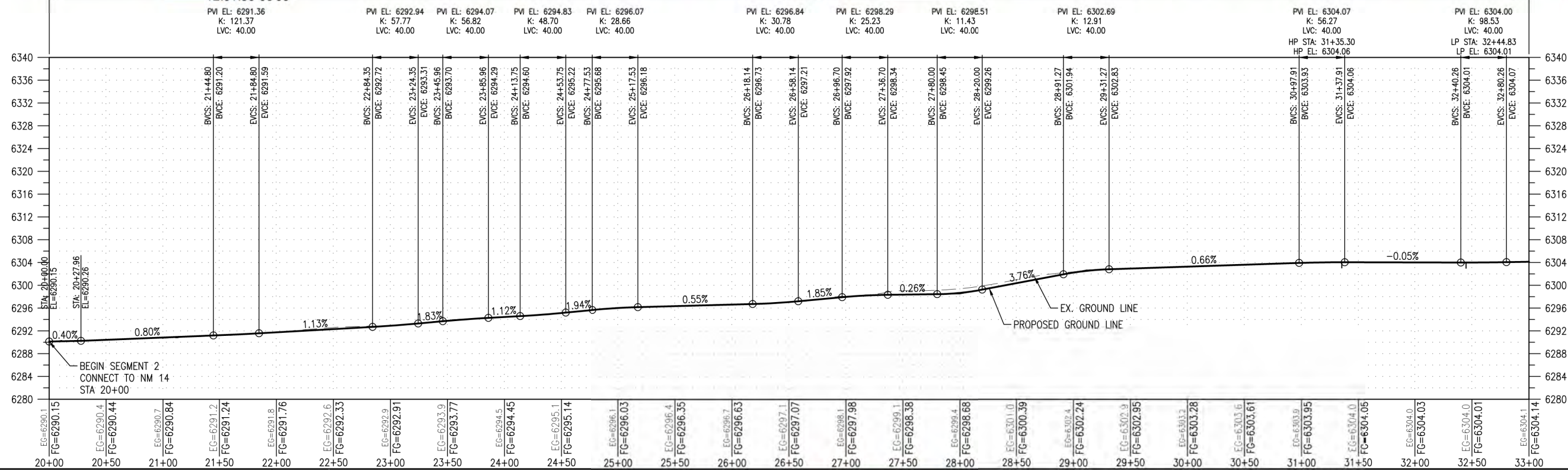
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TYPICAL SECTION S2-2

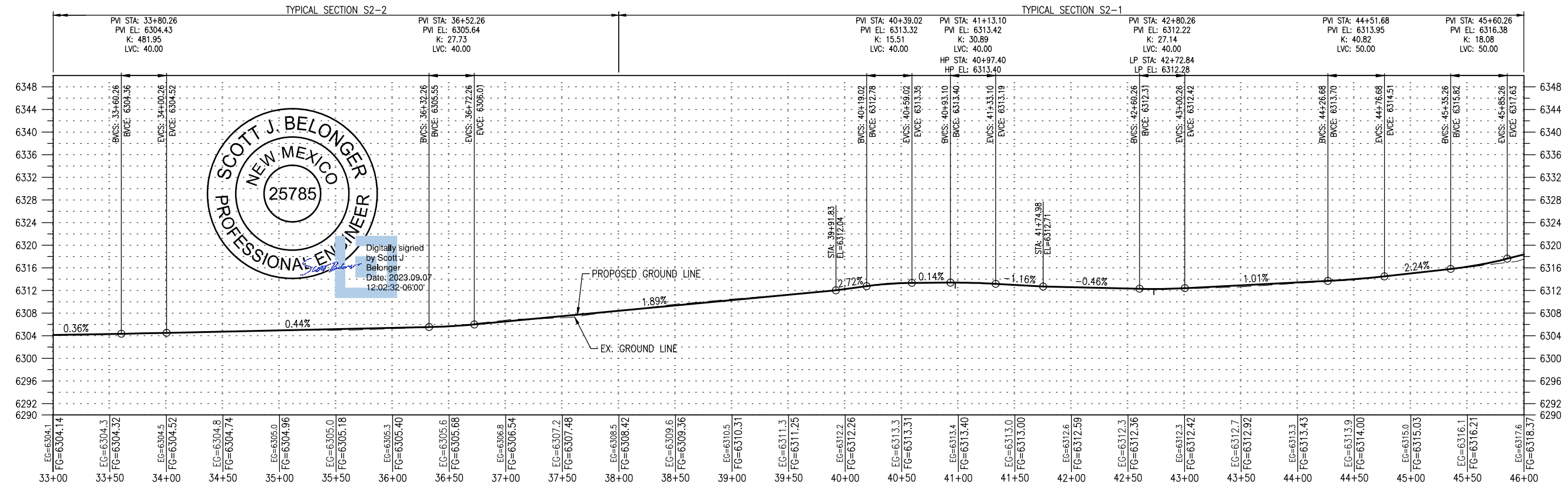
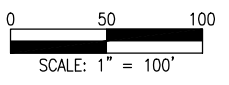
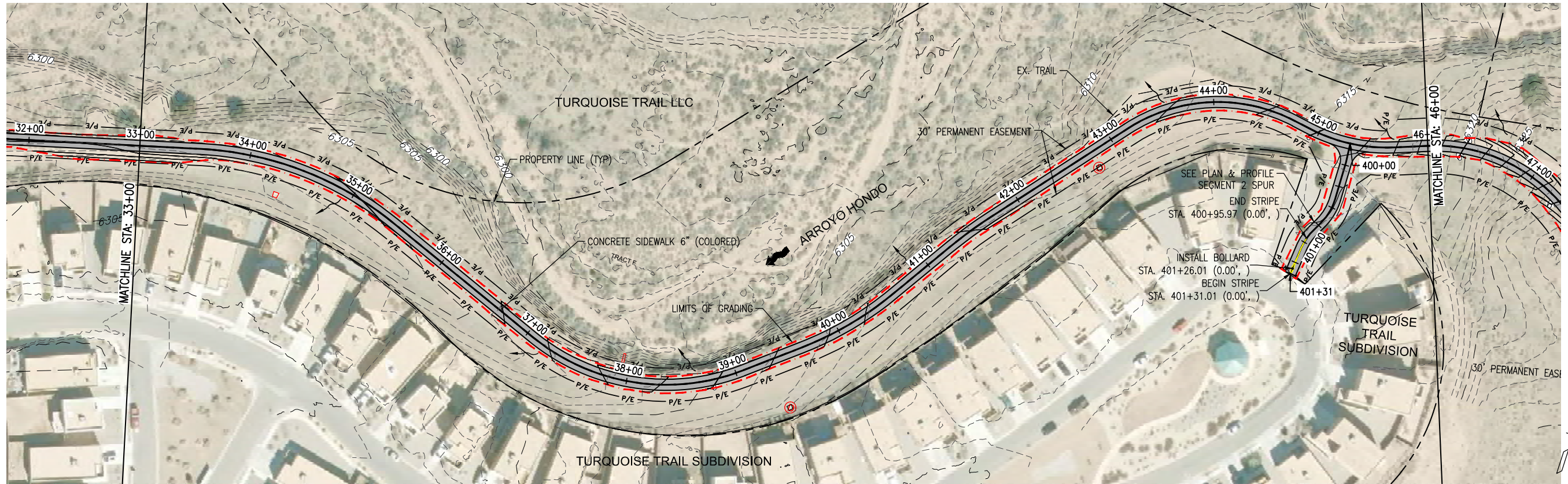
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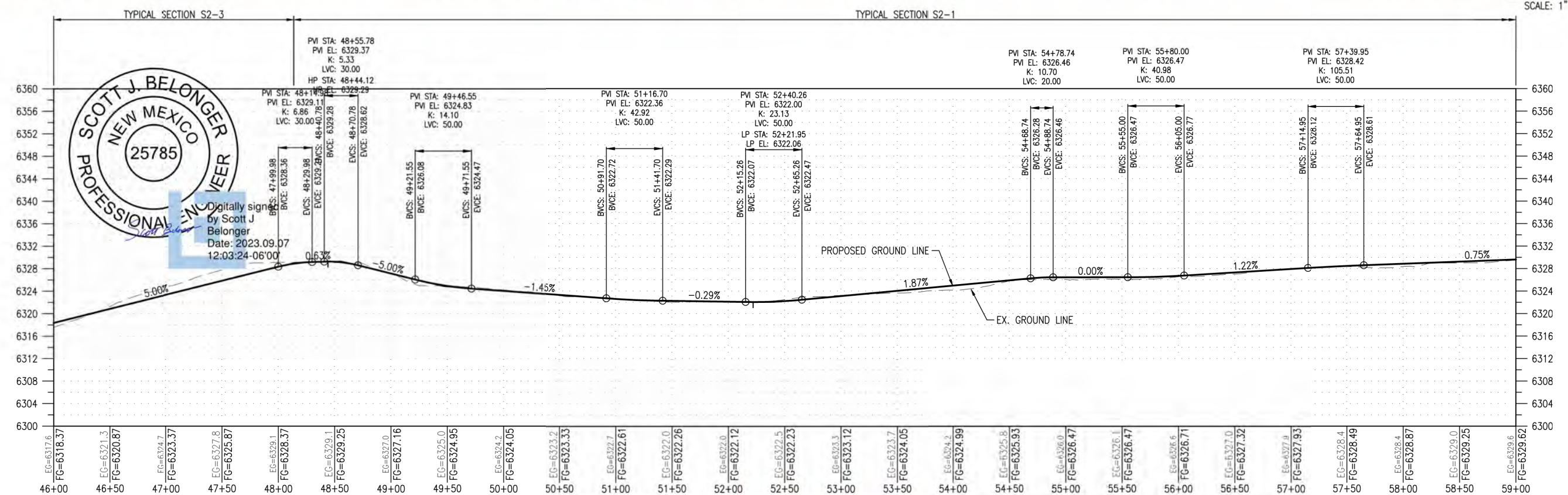
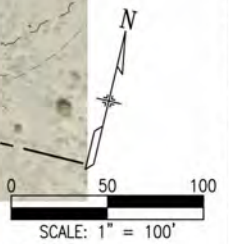
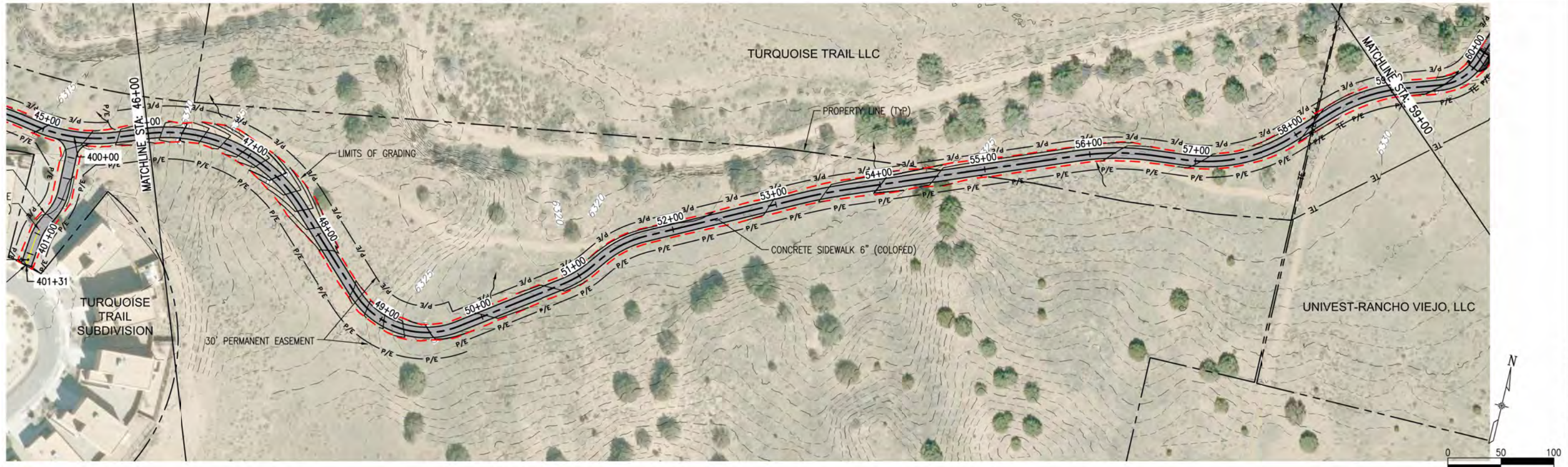
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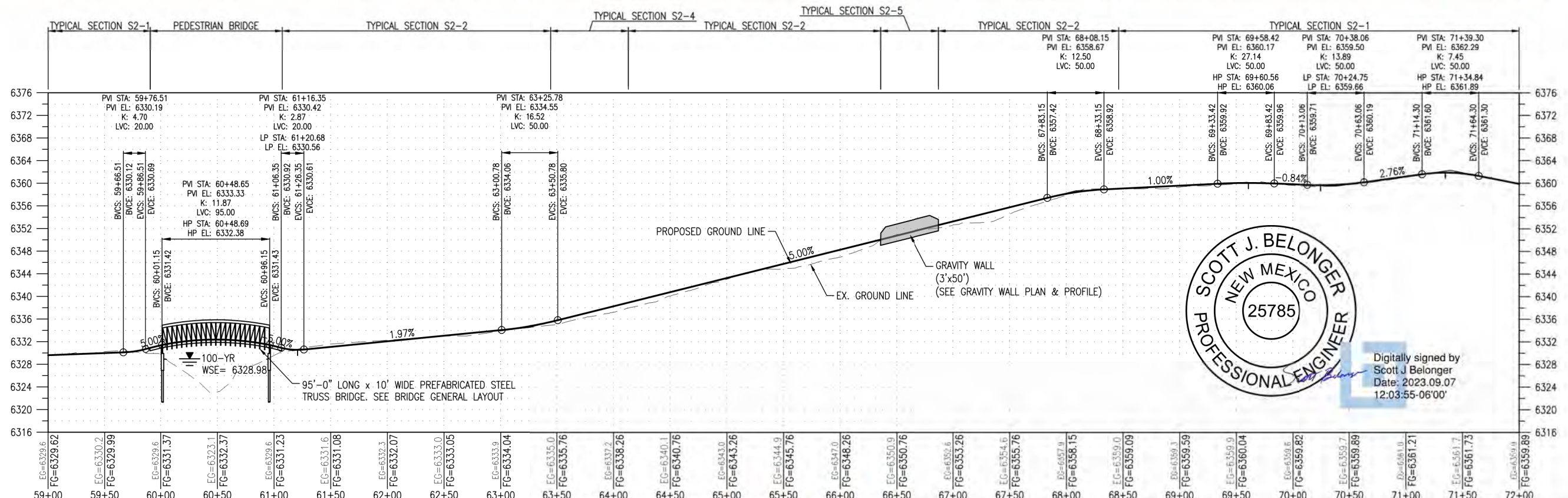
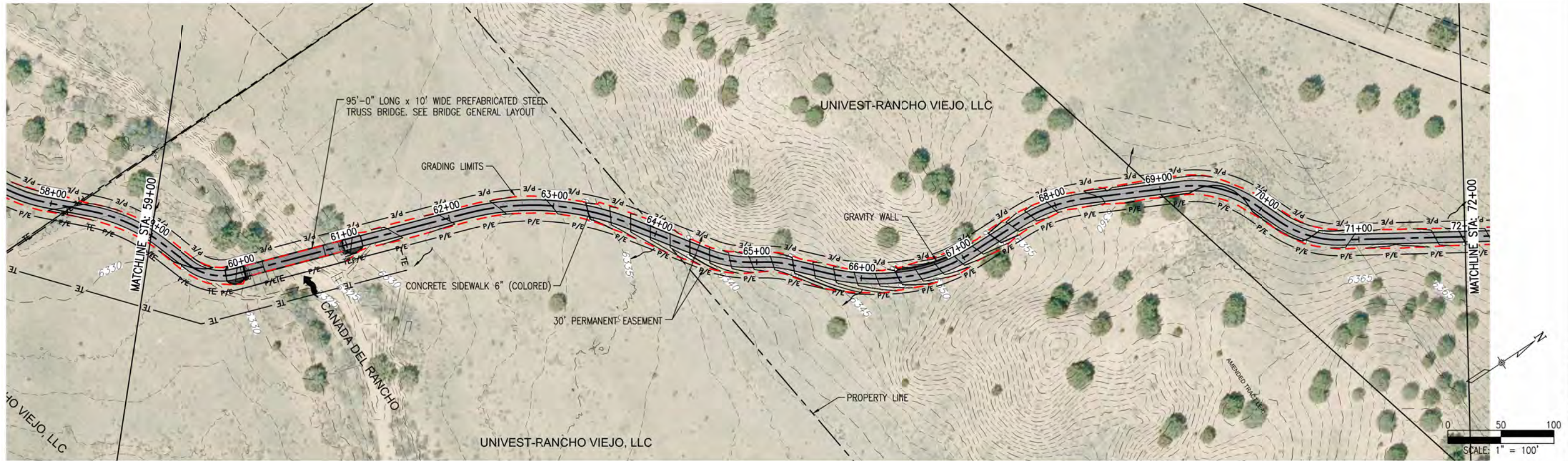


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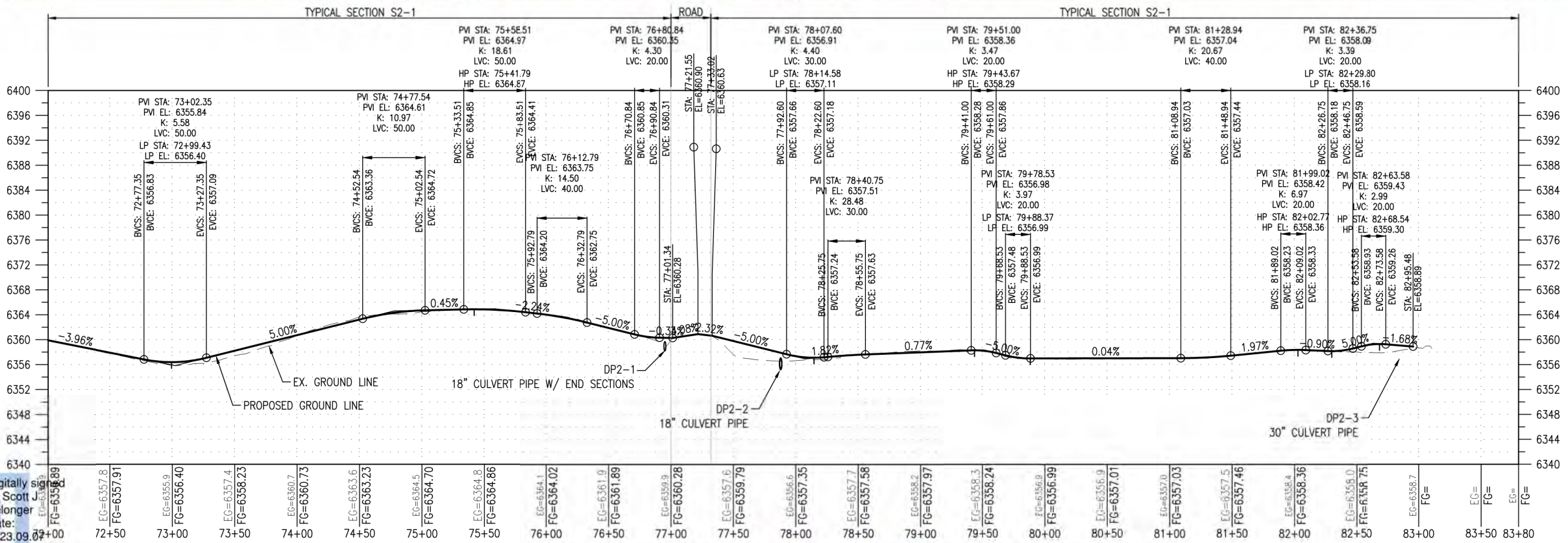
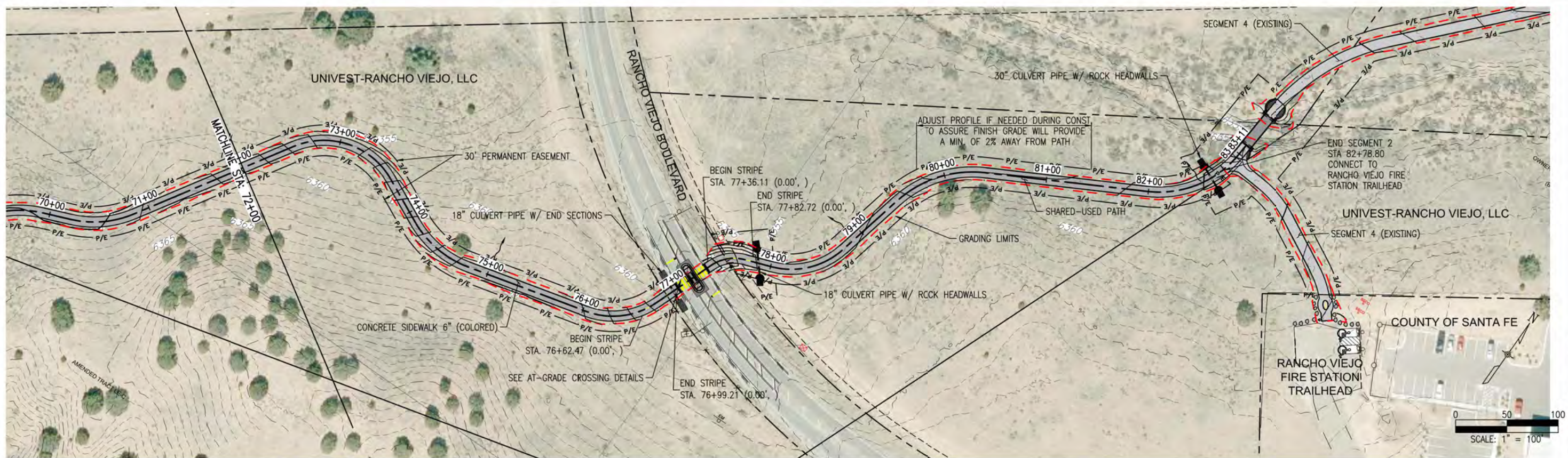


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ARROYO HONDO TRAIL  
PLAN & PROFILE  
(SEGMENT 2)

Project No./Code

Arroyo Hondo Trail

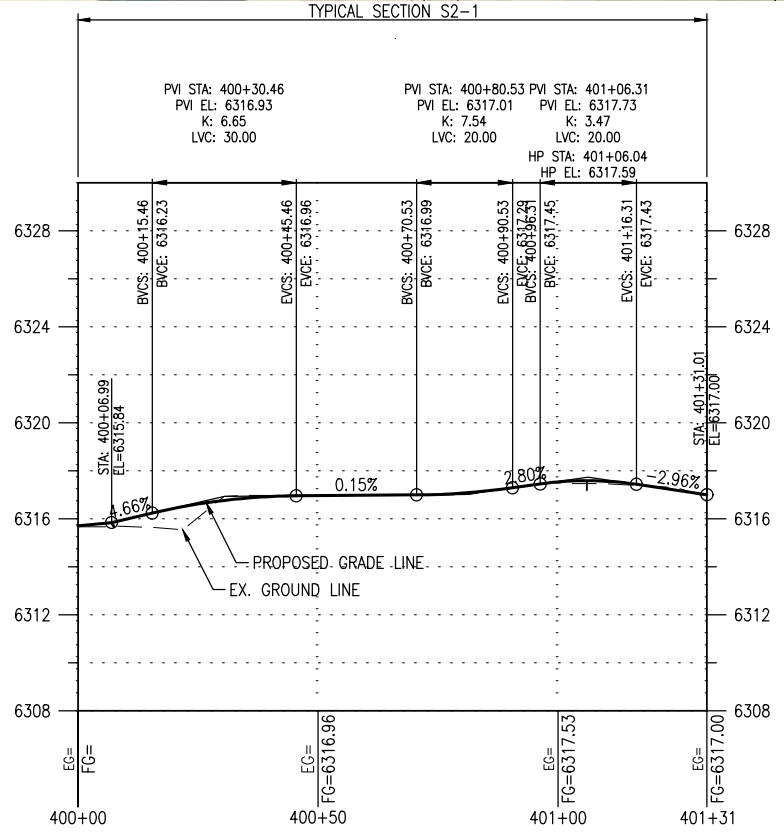
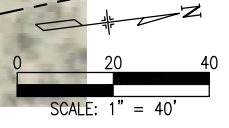
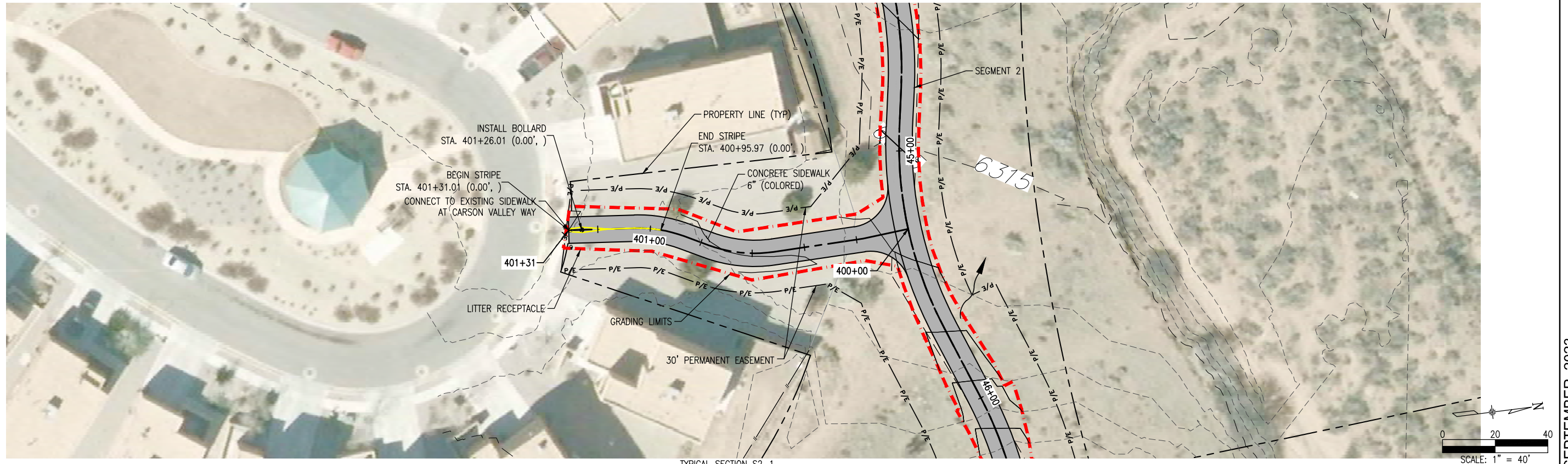
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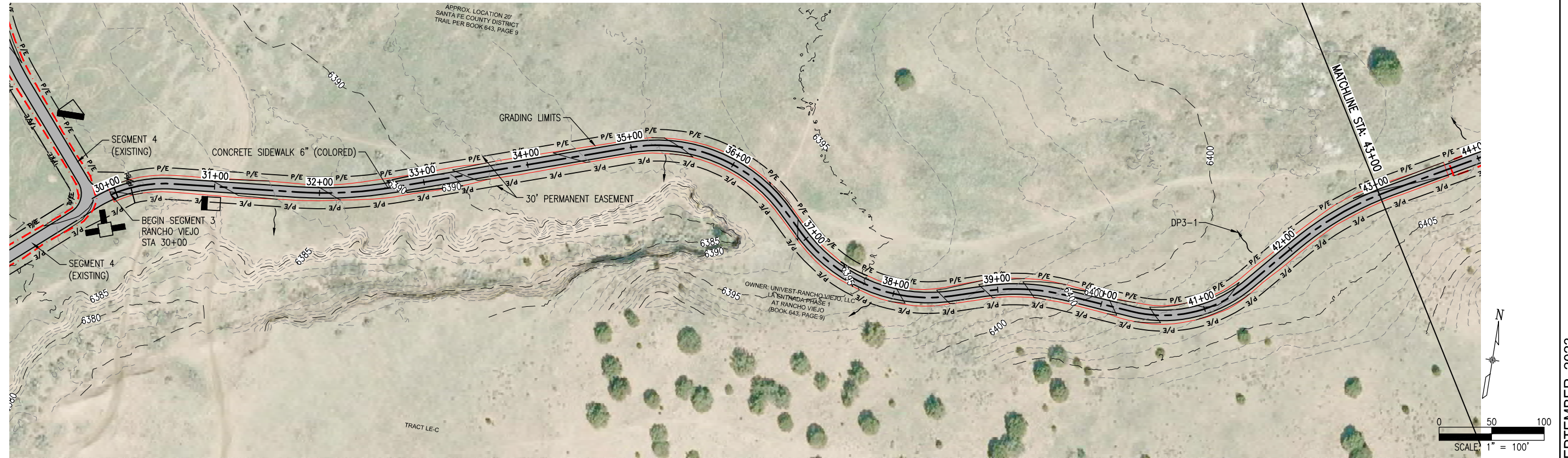
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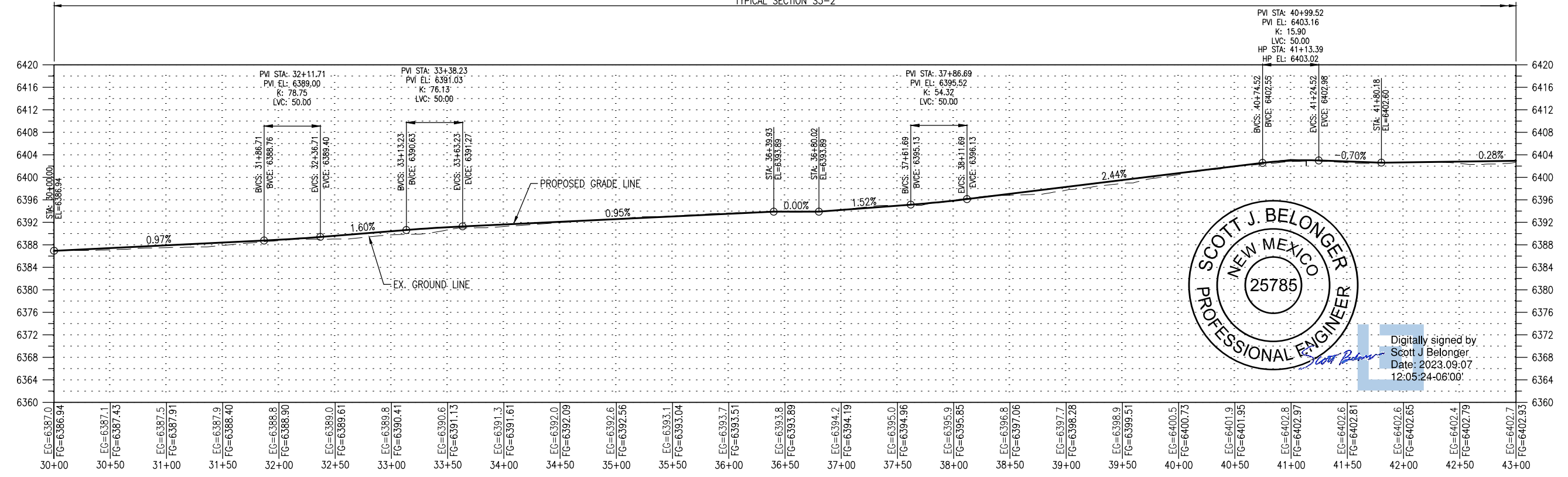
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TYPICAL SECTION S3-2



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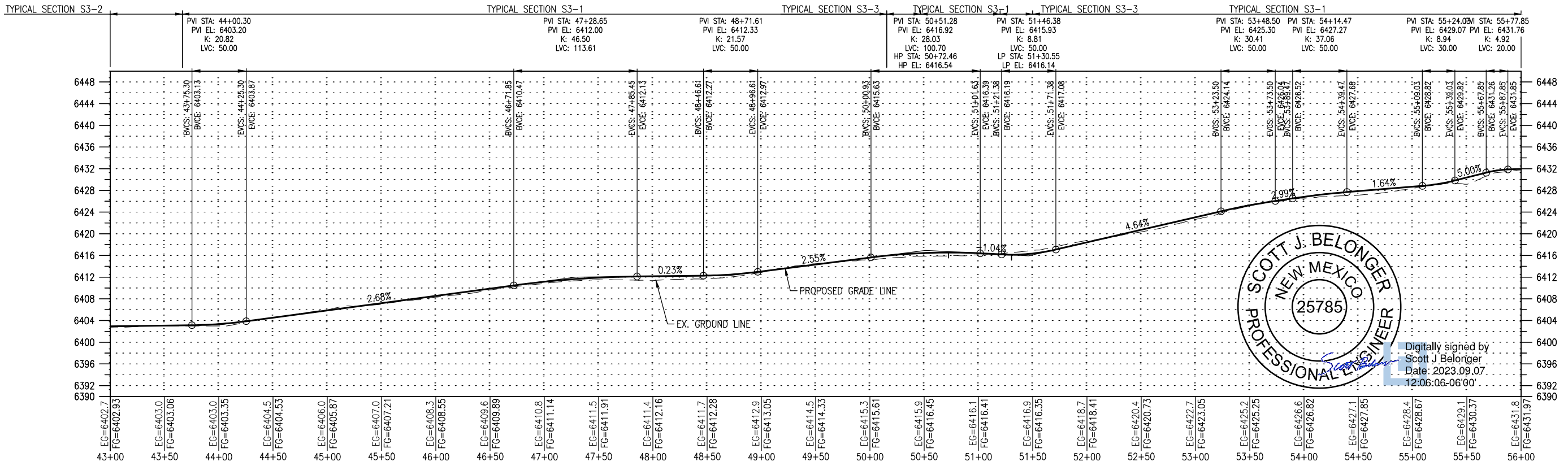
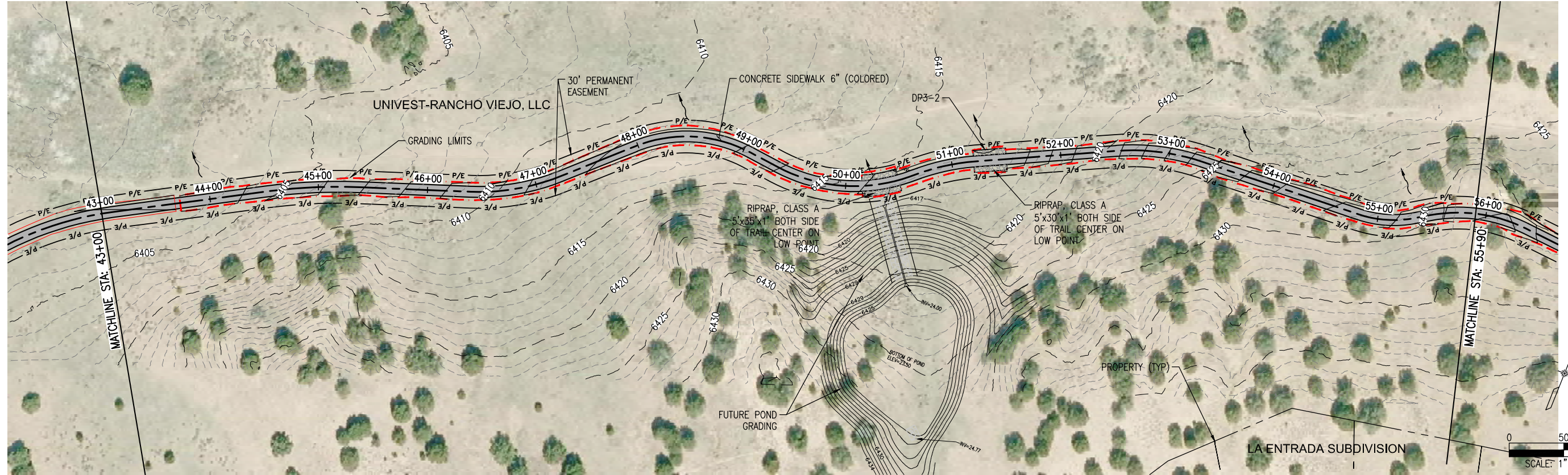


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Project No./Code	Arroyo Hondo Trail
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100% CONSTRUCTION PLANS - SEPTEMBER 2023

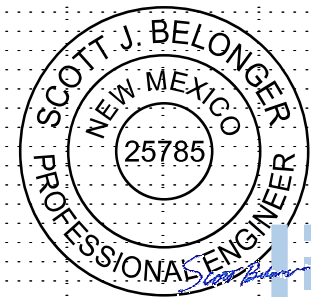
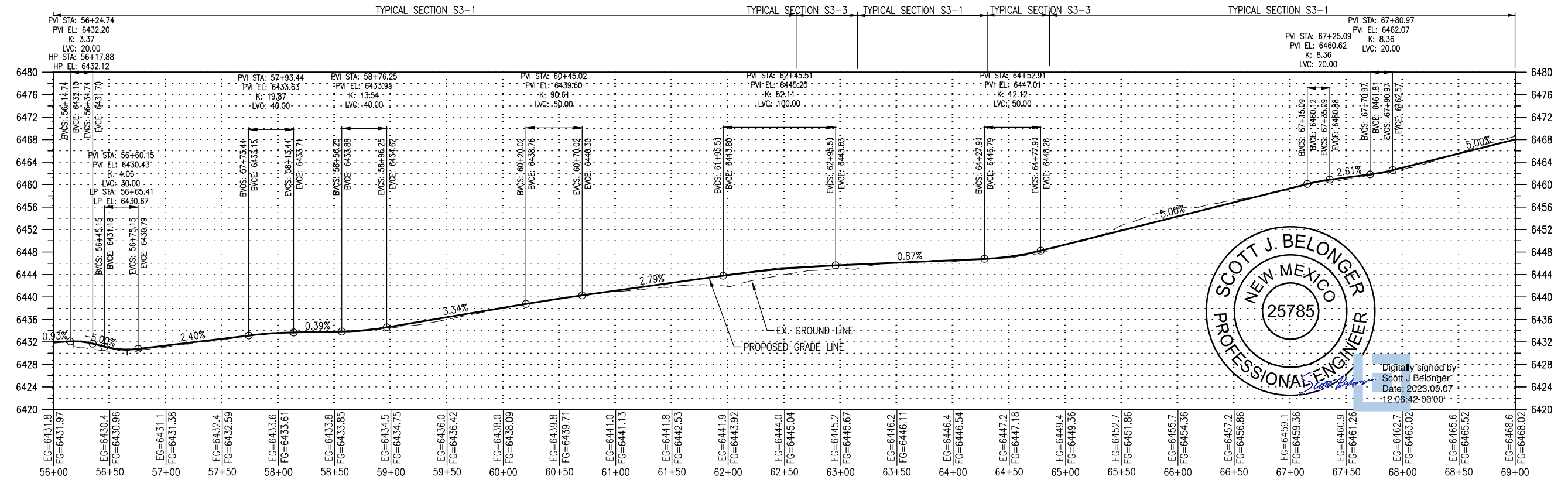
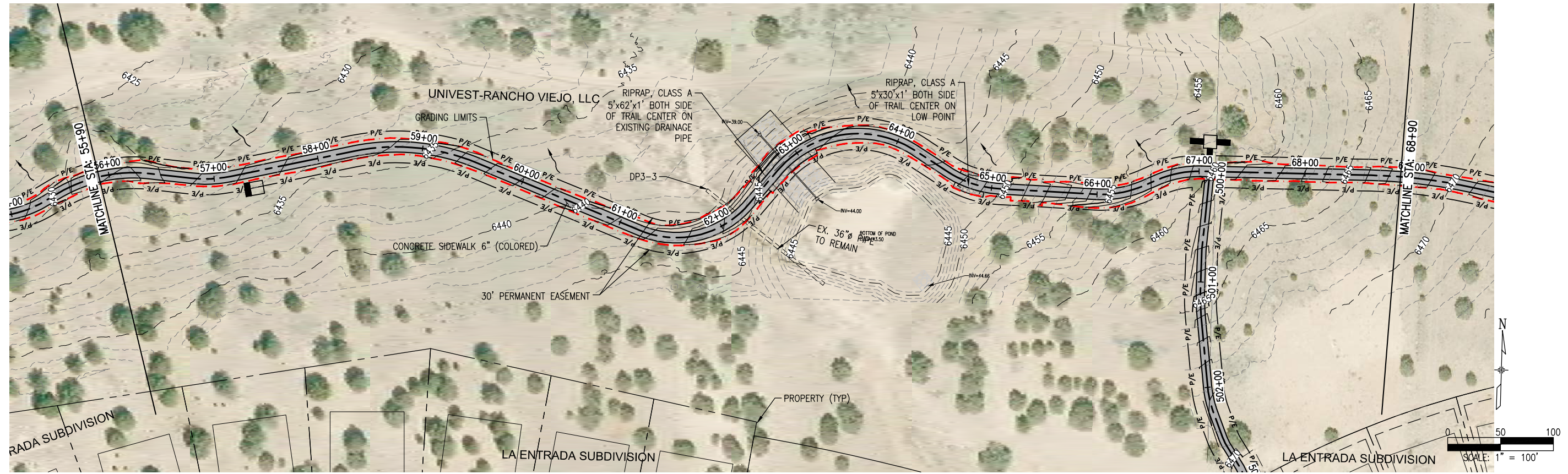
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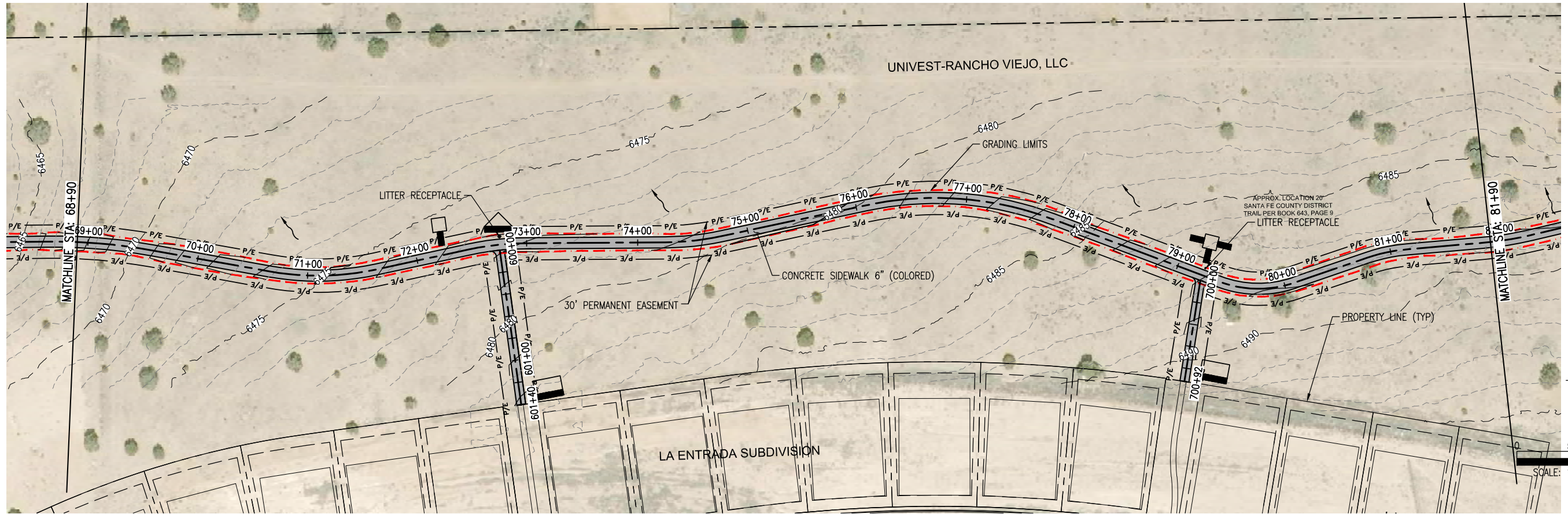


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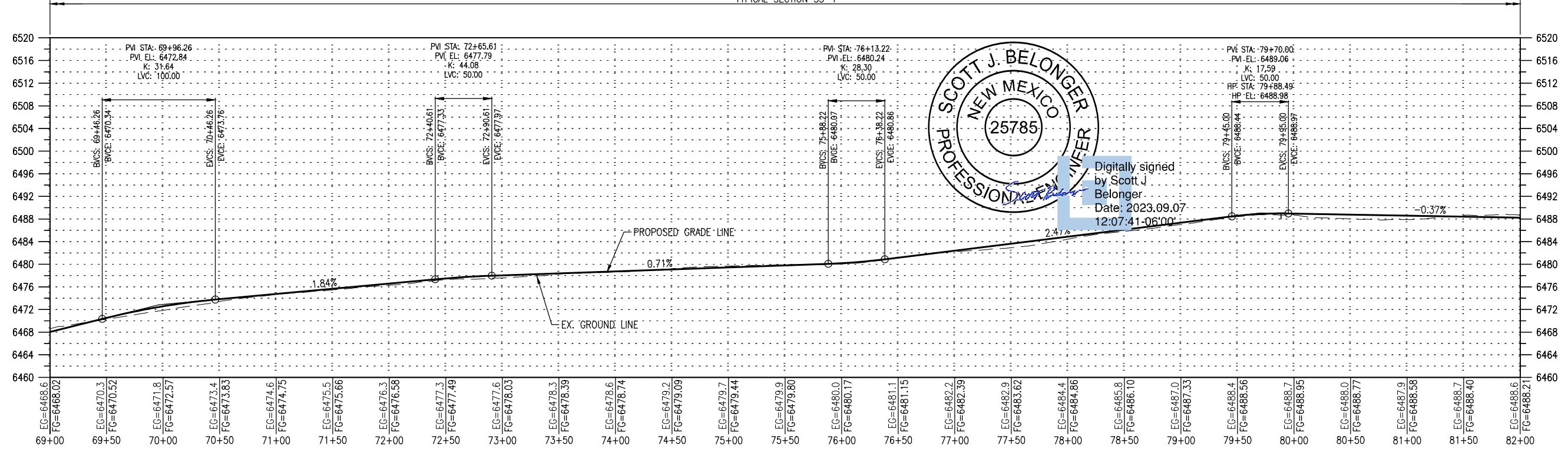
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TYPICAL SECTION S3-1



Print Date: Sep 05, 2023	Unit Information
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Date:	Comments	Init.



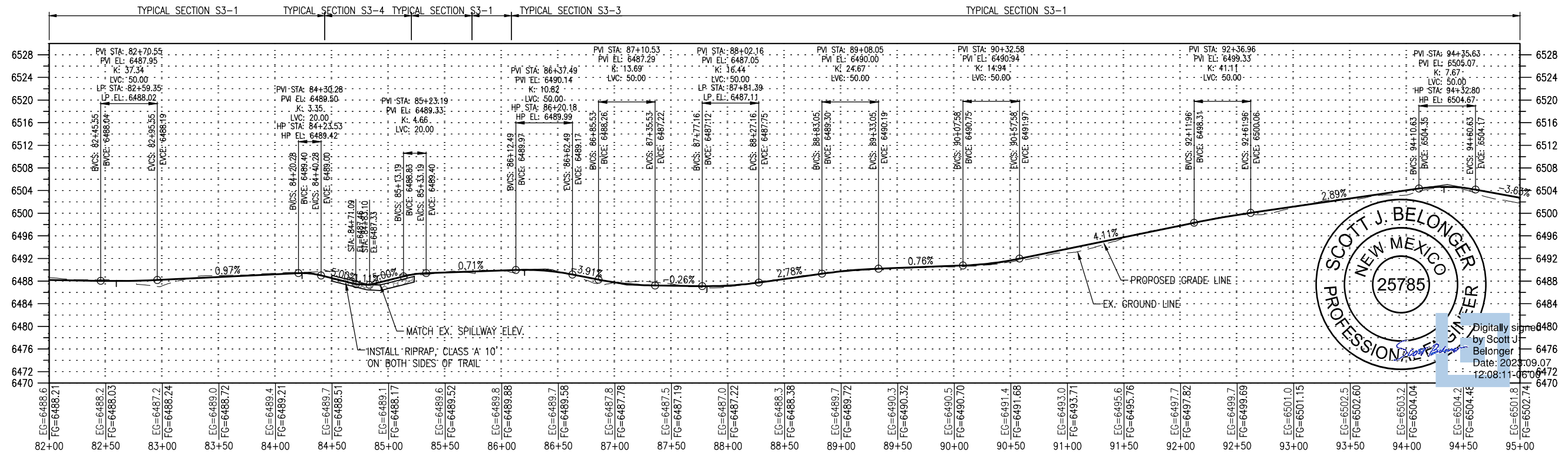
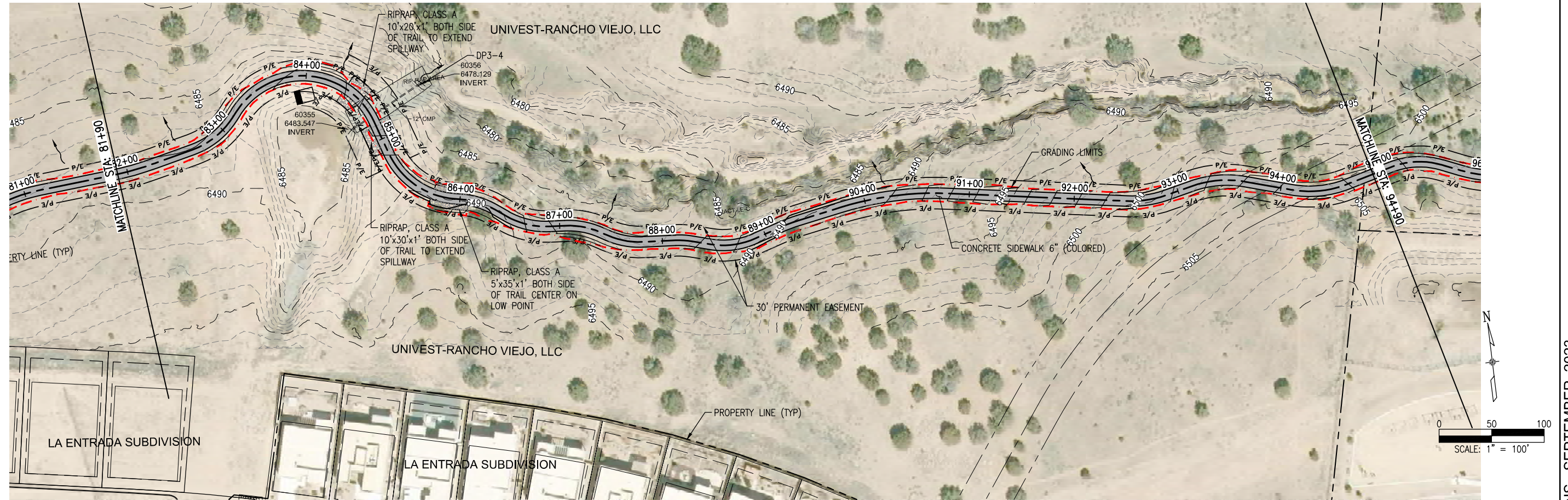
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ARROYO HONDO TRAIL PLAN & PROFILE (SEGMENT 3)			
Designer:	SJB	Structure Numbers	
Detailer:	LX	Subset Sheets:	16

Project No./Code	Arroyo Hondo Trail
	325-12126
	<b>45</b>

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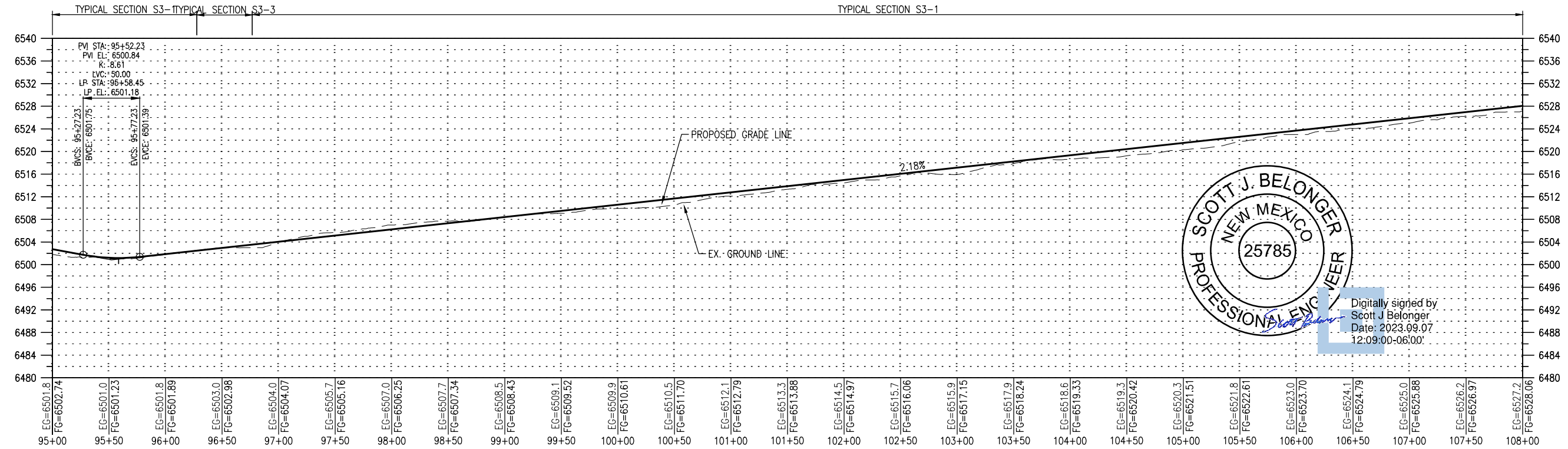
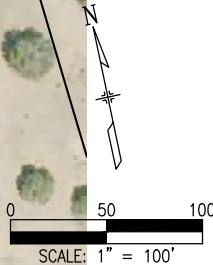
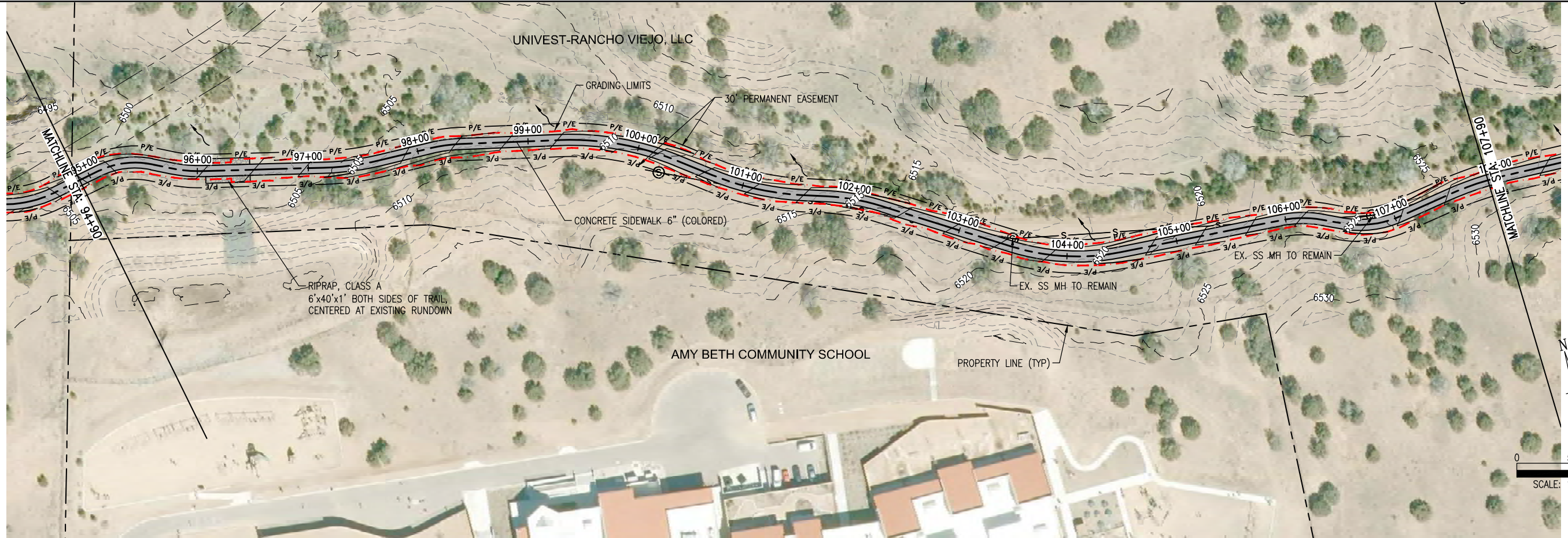
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No Revisions:	Designer: SJB	Structure Numbers	Arroyo Hondo Trail
Revised:	Detailer: LX		325-12126
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Unit Information Unit Leader Initials

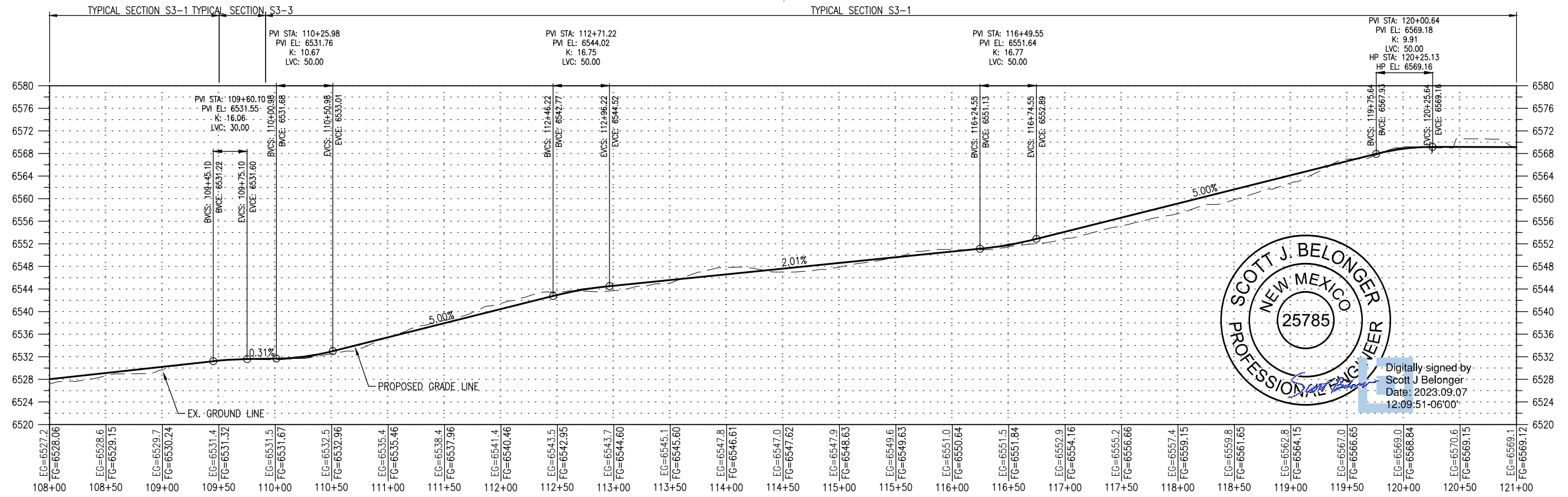
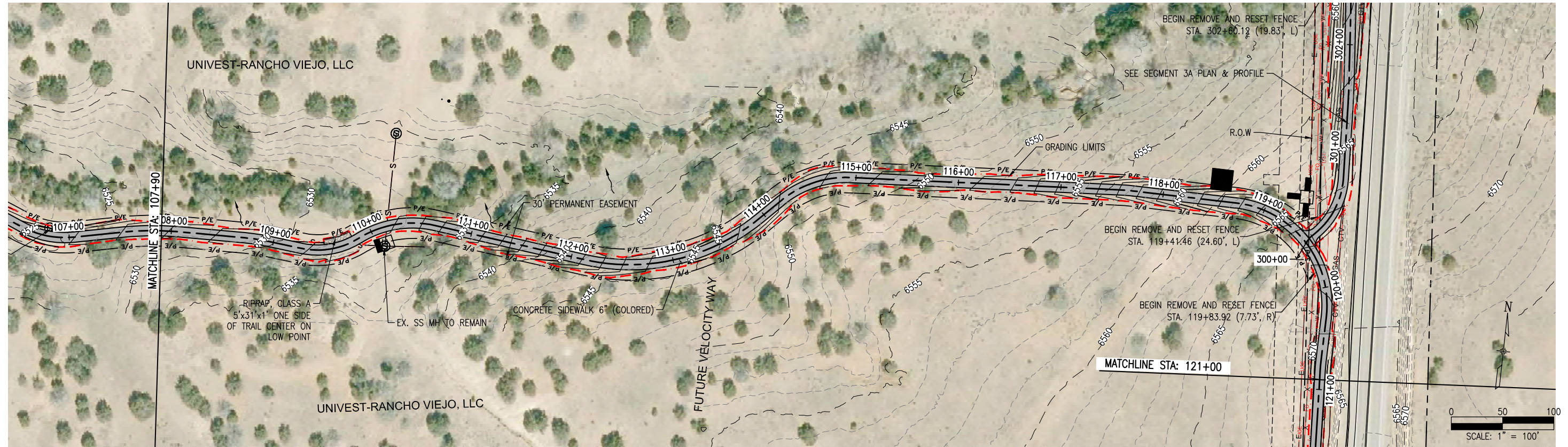
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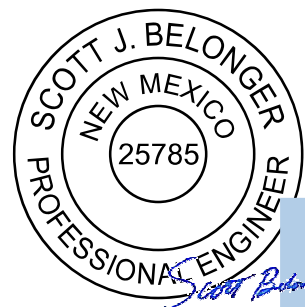
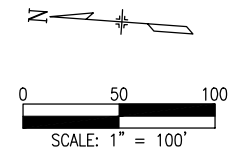
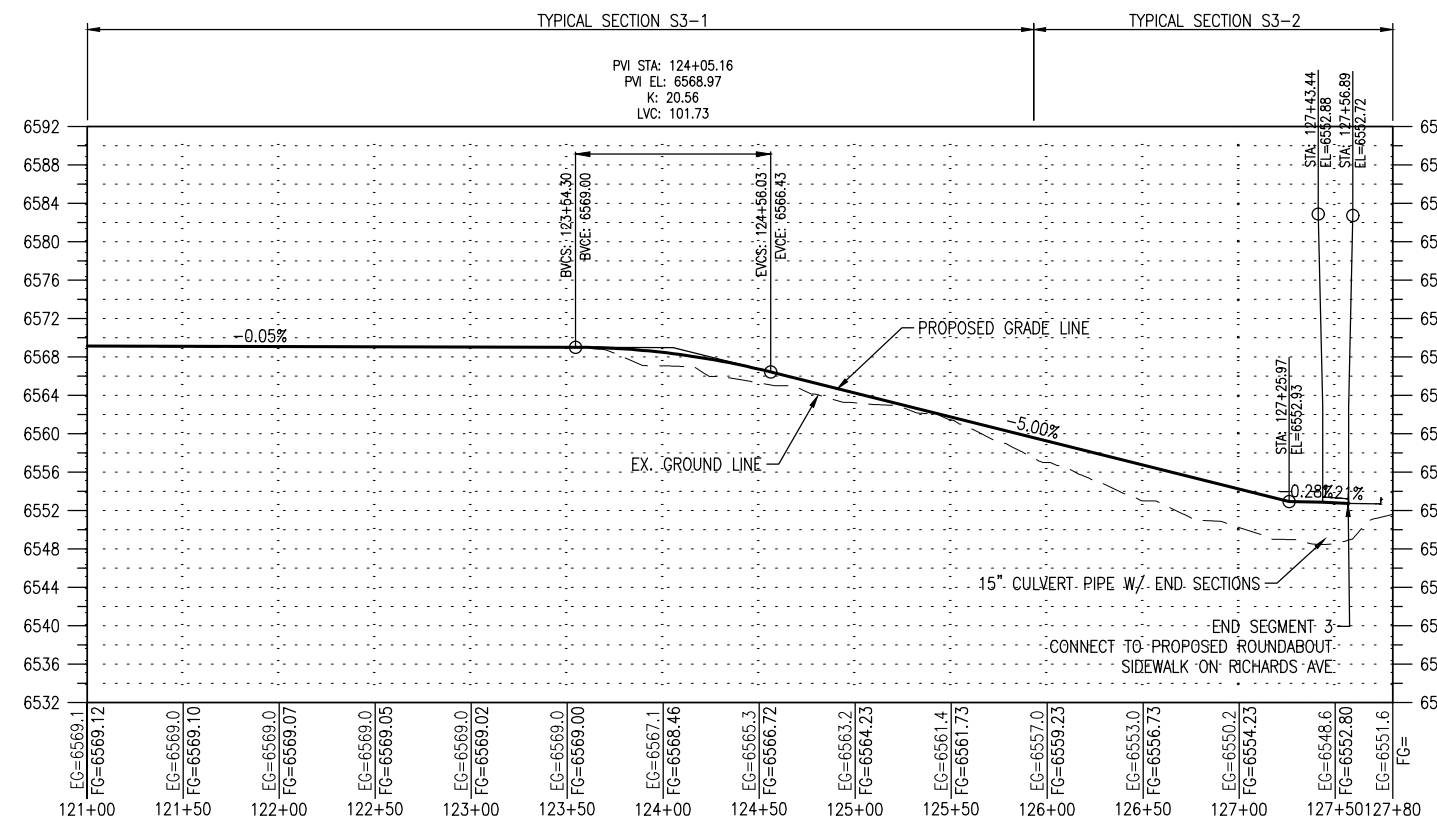
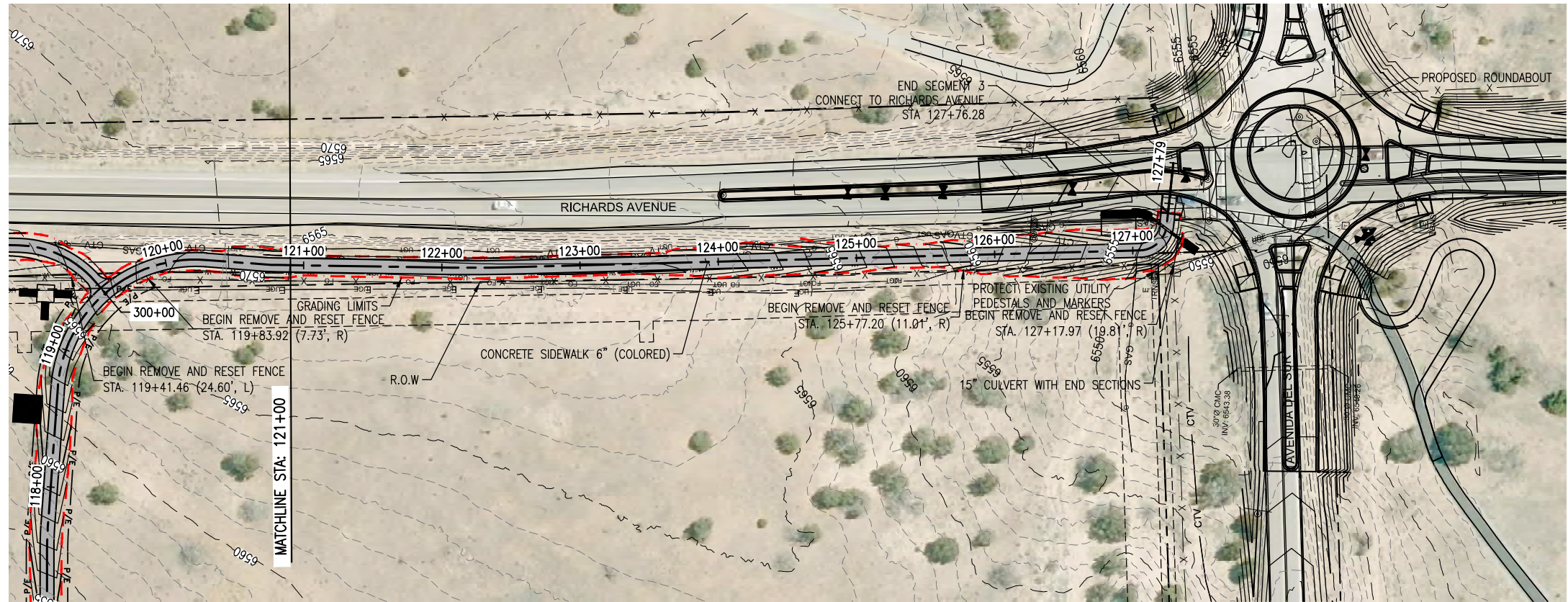


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Revised:	Detailer: LX		325-12126
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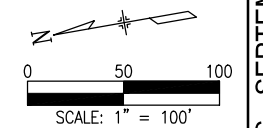
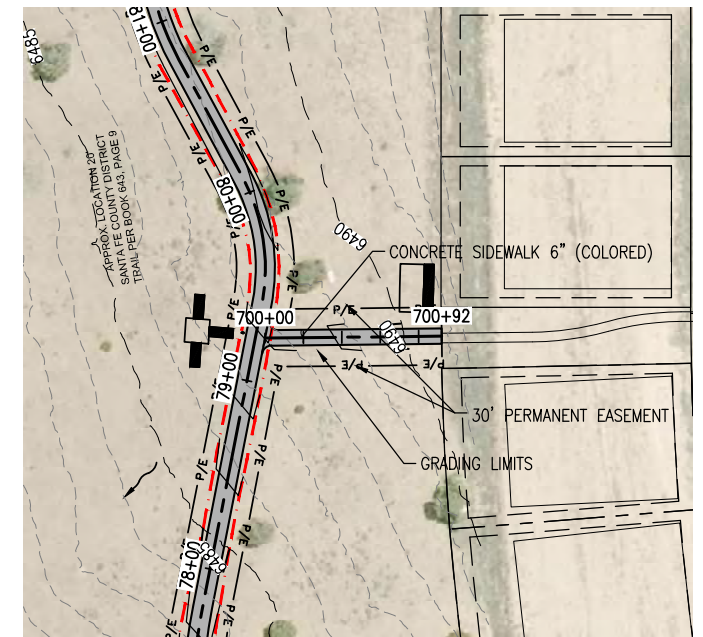
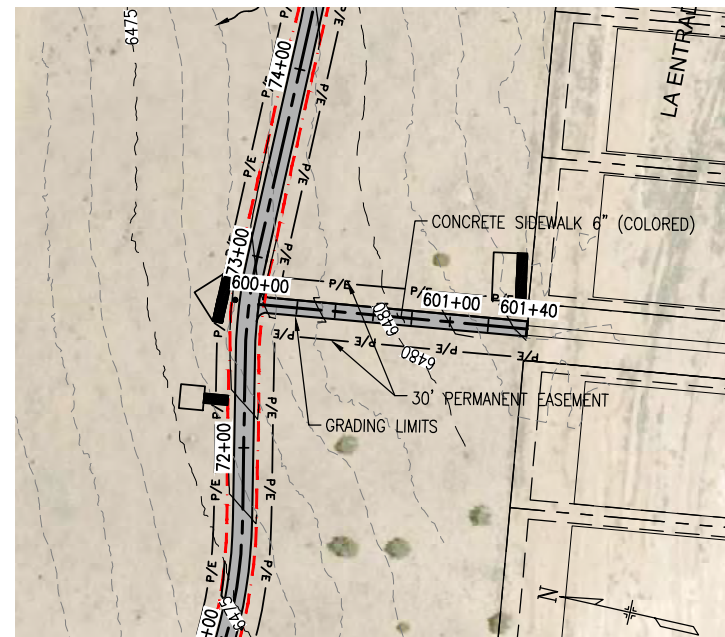
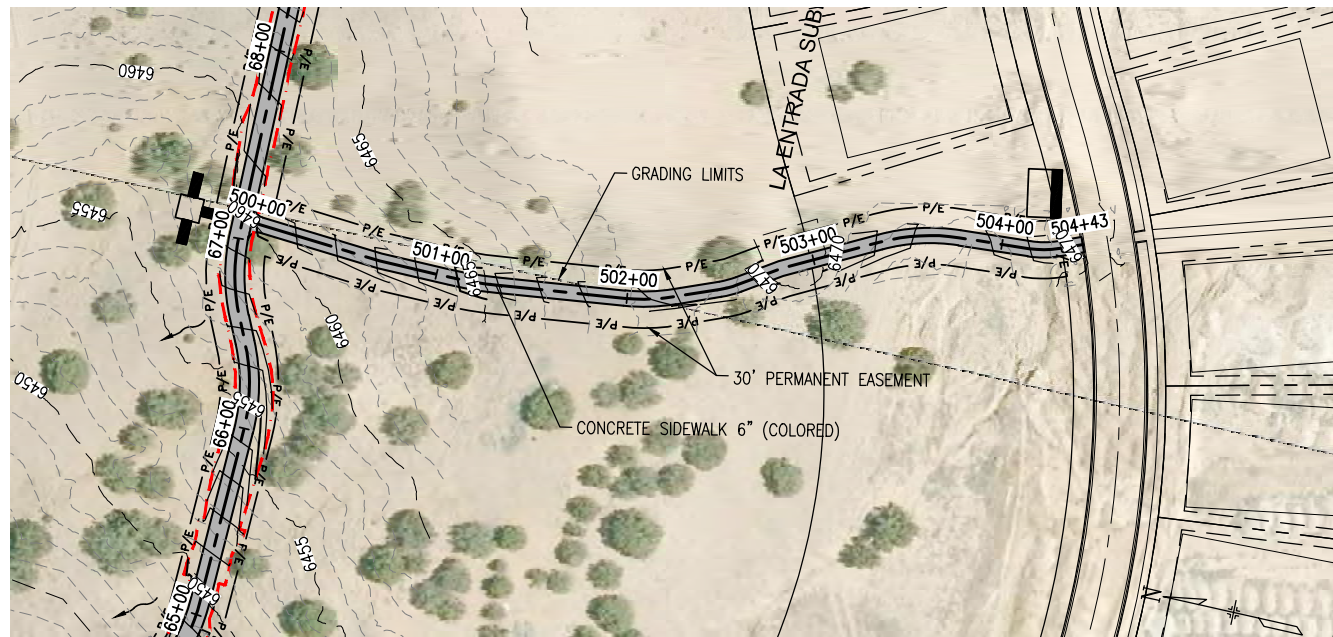
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Project No./Code
Arroyo Hondo Trail
325-12126
<b>49</b>

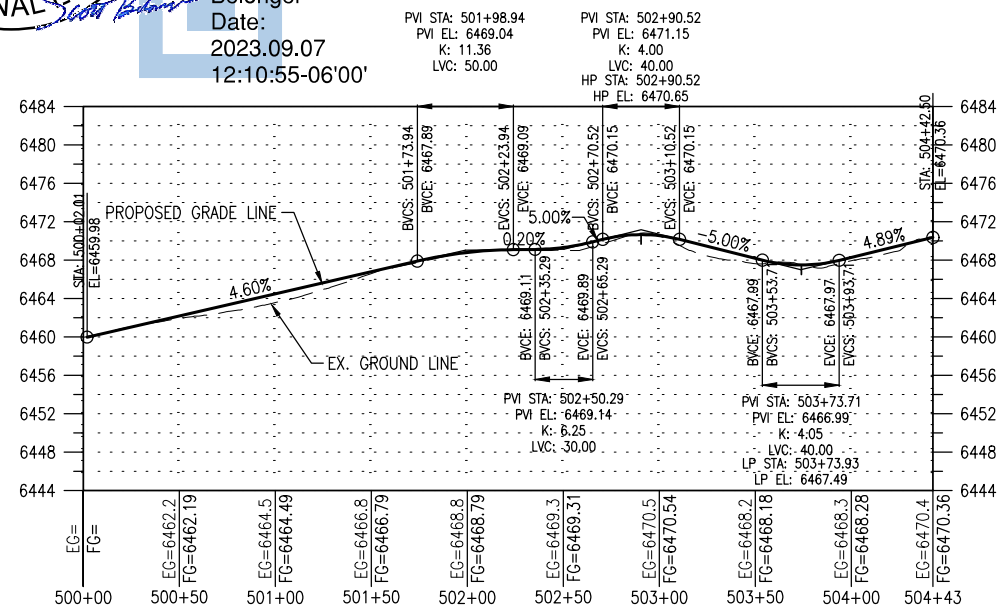
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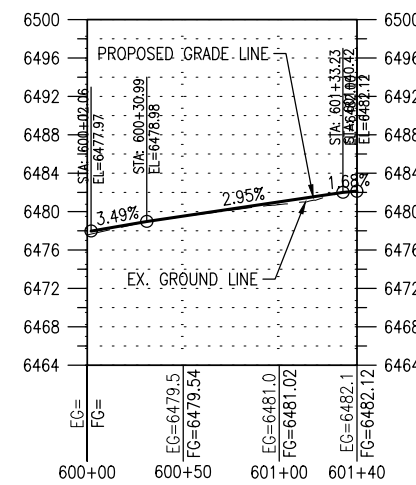


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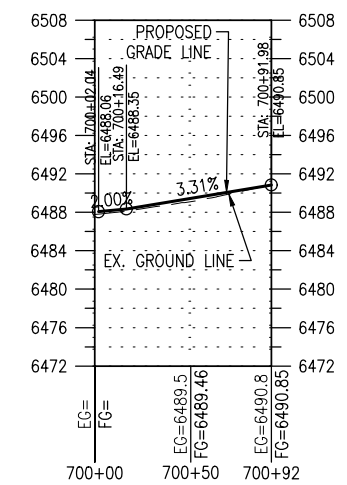
**SEGMENT 3 SPUR 1**



**SEGMENT 3 SPUR 2**



**SEGMENT 3 SPUR 3**



Print Date: Sep 05, 2023	
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Unit Information	Unit Leader Initials

Sheet Revisions		
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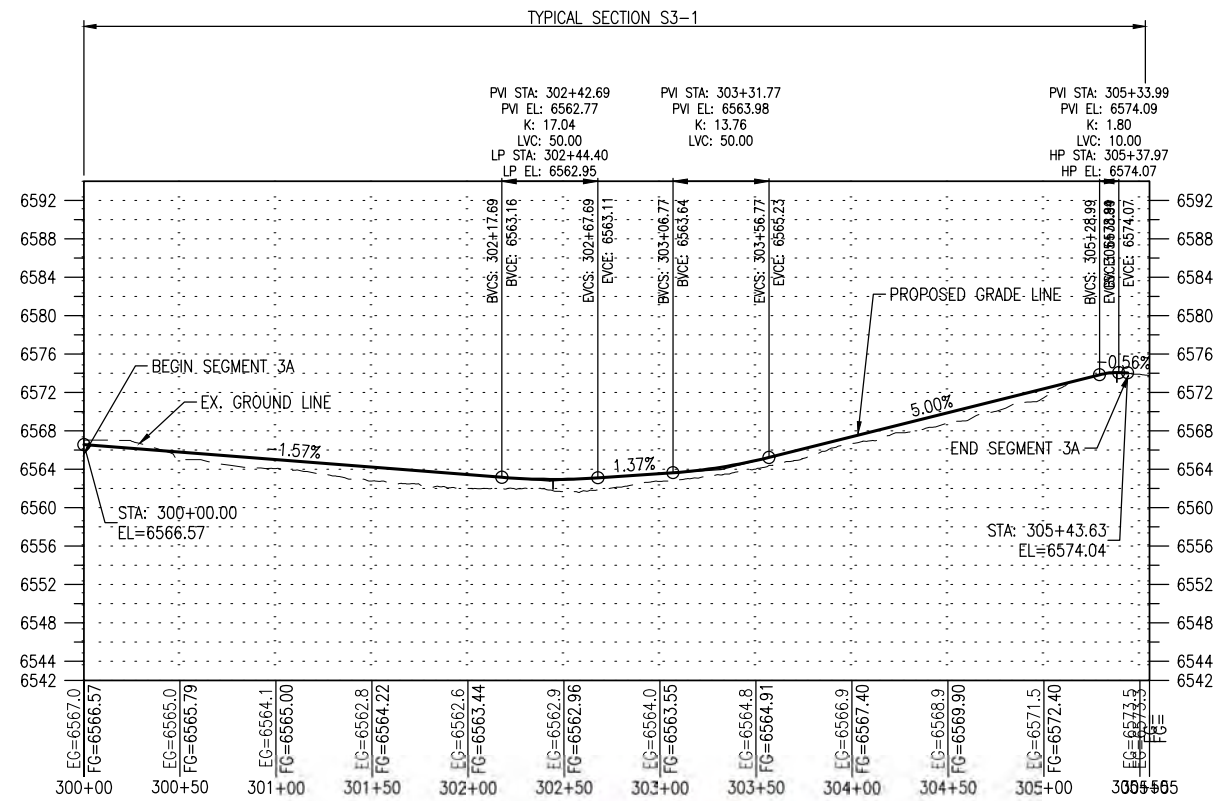
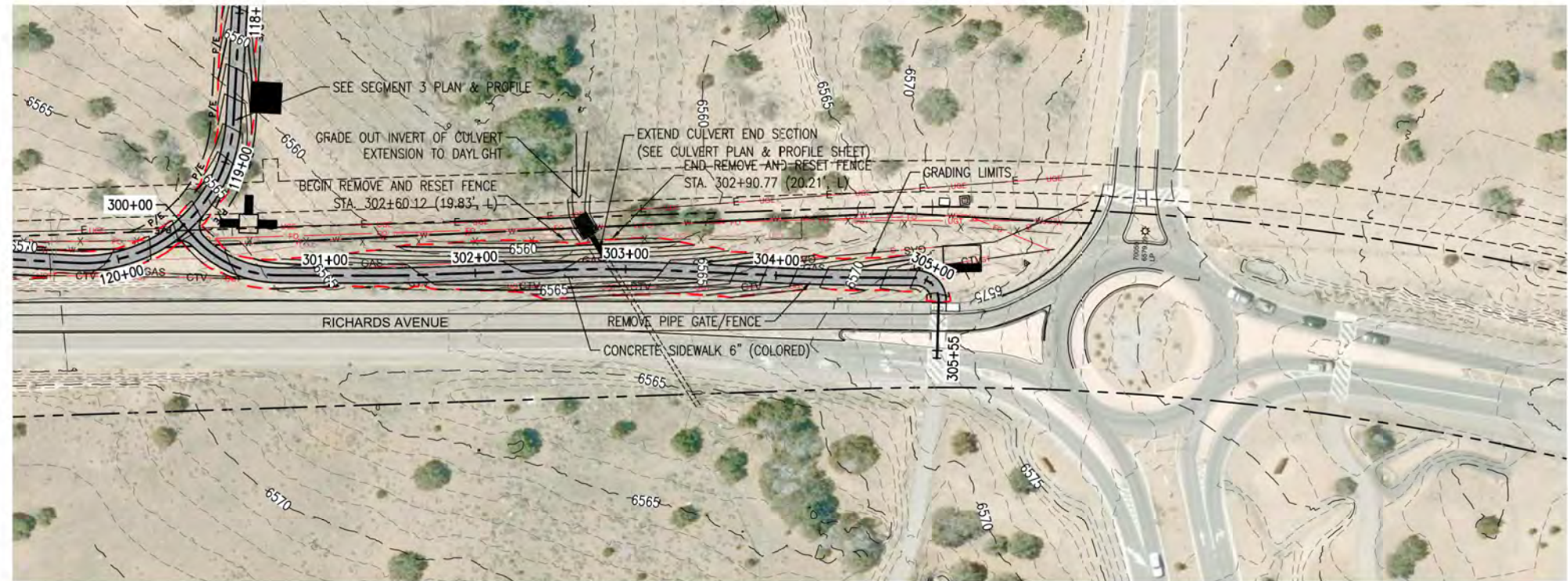
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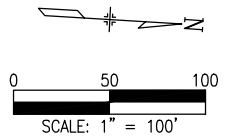
Project No./Code	Arroyo Hondo Trail
	325-12126
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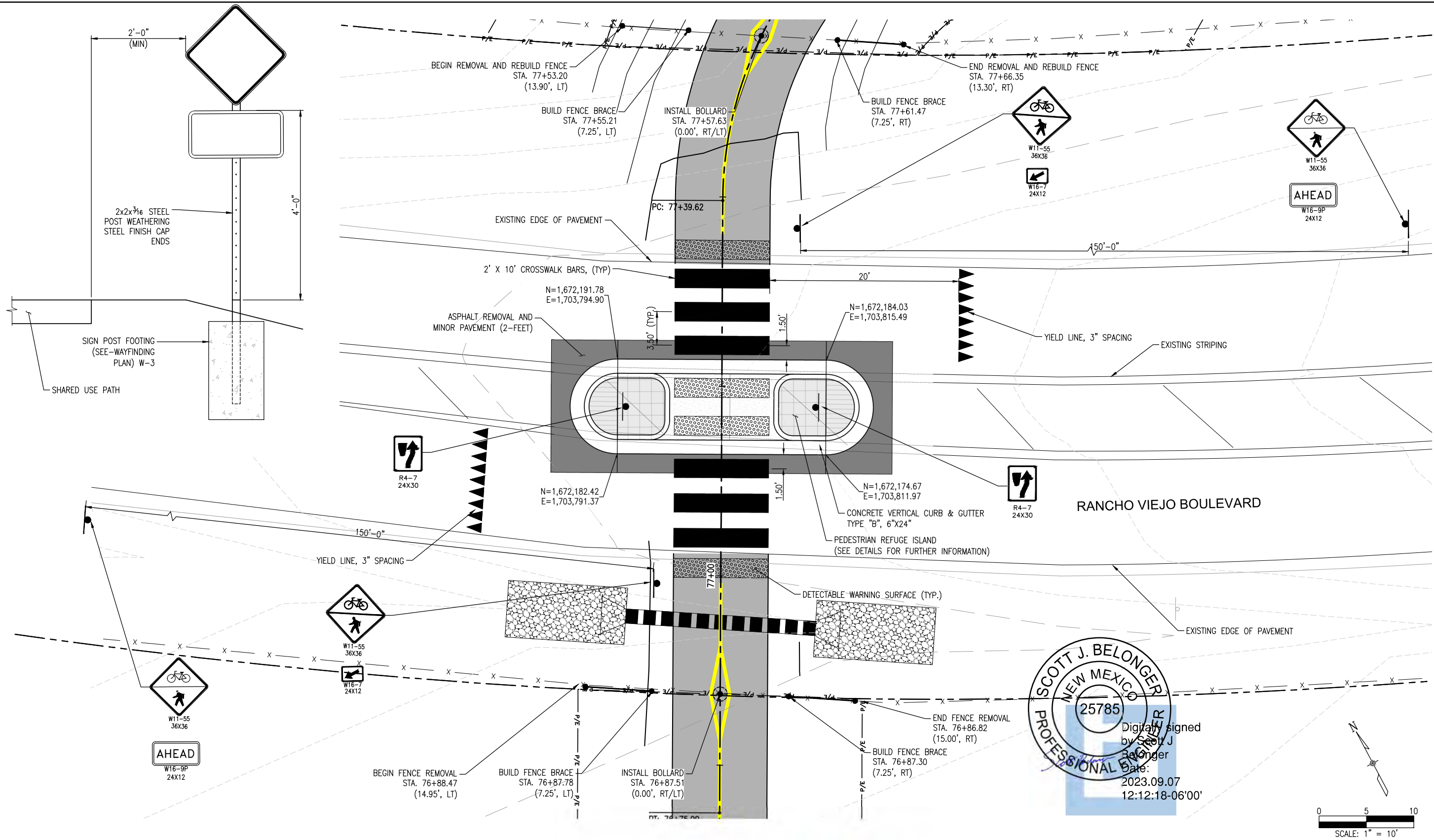


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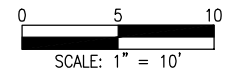
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Project No./Code
Arroyo Hondo Trail
325-12126
<b>51</b>

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Unit Information	Unit Leader Initials

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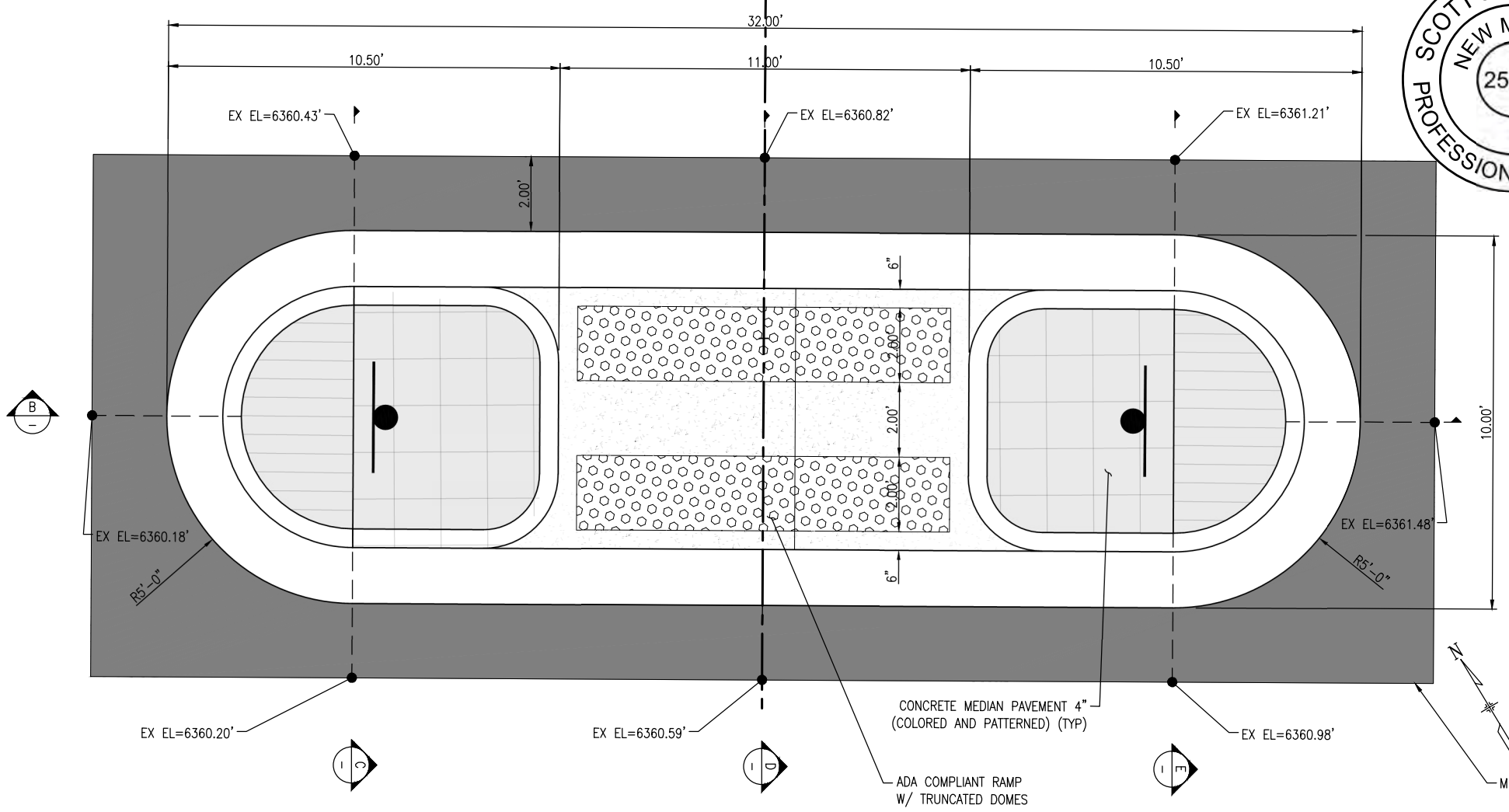
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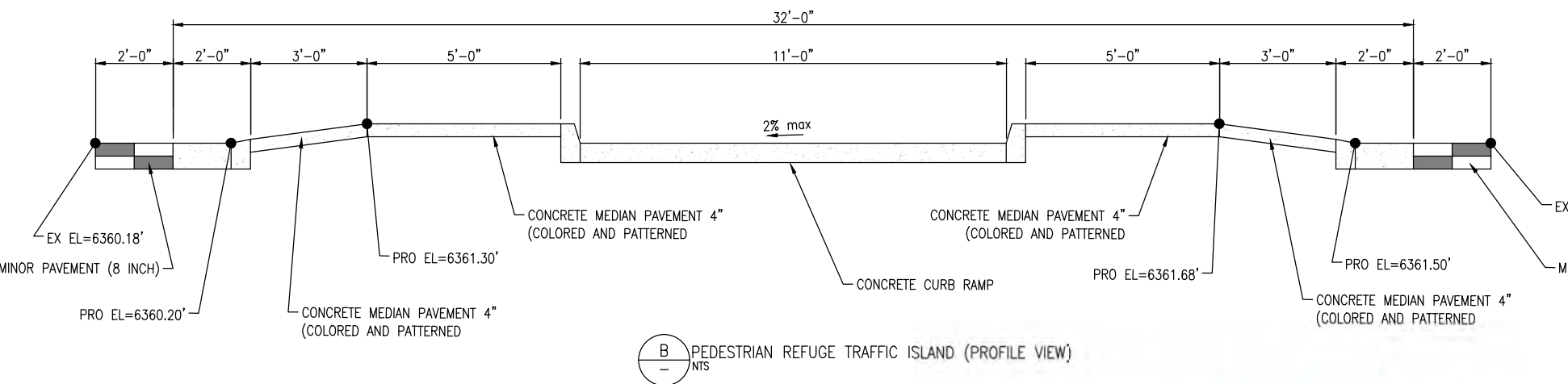
Project No./Code
Arroyo Hondo Trail
325-12126
<b>52</b>

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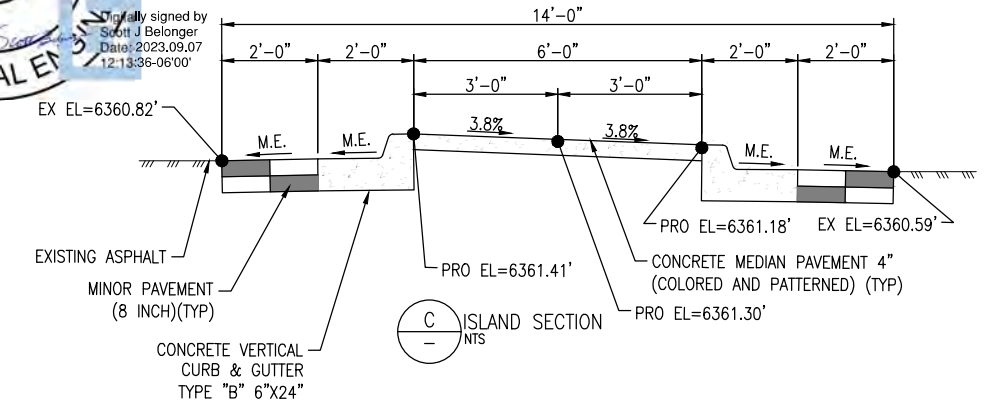
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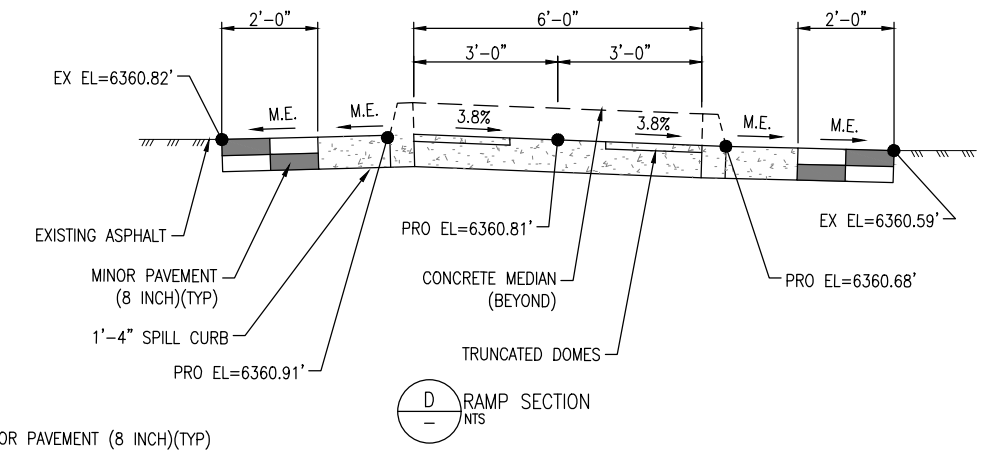
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NTS



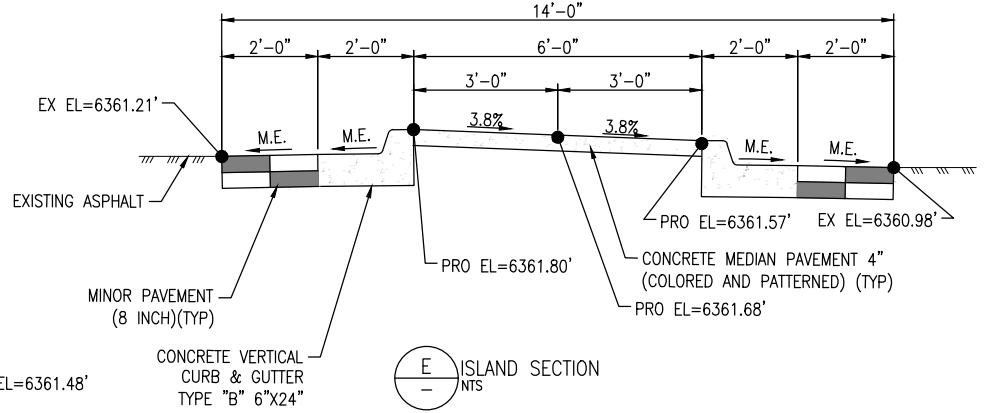
**B** PEDESTRIAN REFUGE TRAFFIC ISLAND (PROFILE VIEW)  
NTS



**C** ISLAND SECTION  
NTS



**D** RAMP SECTION  
NTS



**E** ISLAND SECTION  
NTS

**LEGEND**  
EXISTING ELEVATION = EX EL  
PROPOSED ELEVATION = PRO EL  
MATCH EXISTING SLOPE = ME

Print Date: Sep 05, 2023	Unit Information
File Name: 20307 (15) At-Grade Crossing Details (Seg2).dwg	Unit Leader Initials
Horiz. Scale:	Vert. Scale: As Noted

Sheet Revisions			
Date:	Comments	Init.	



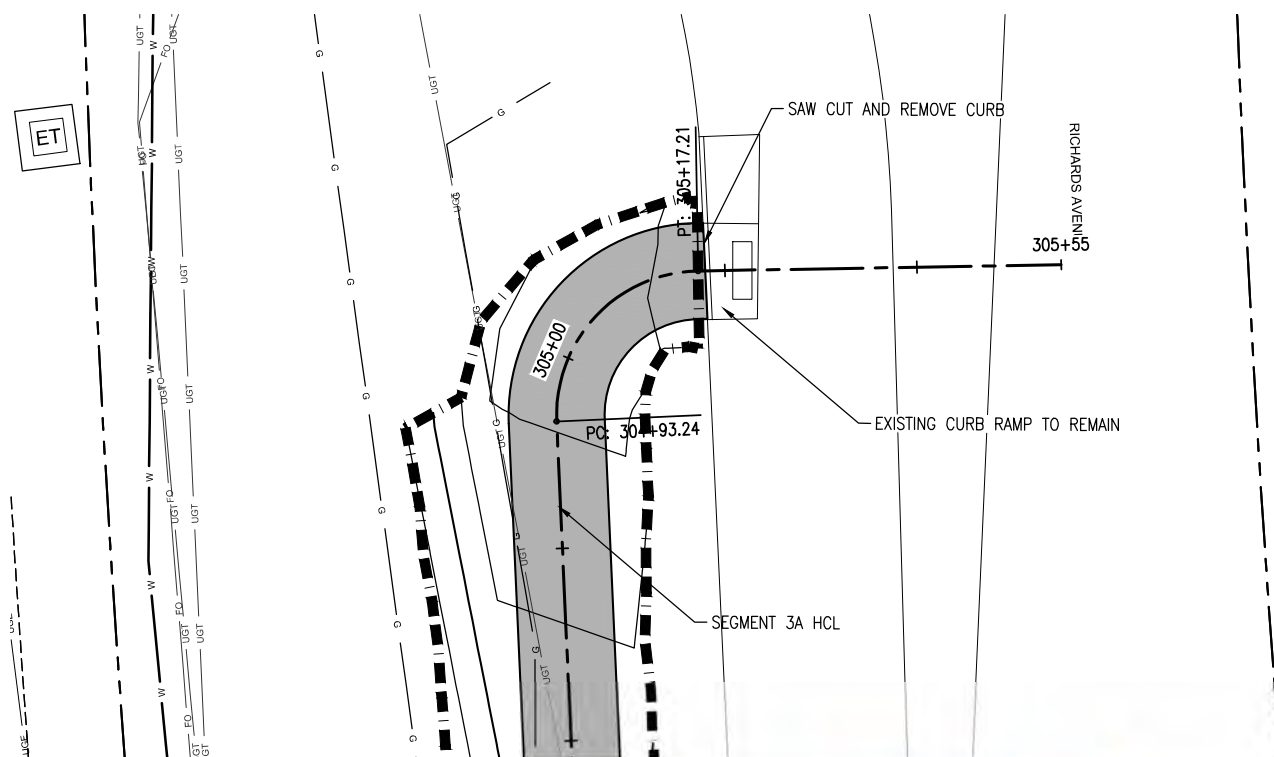
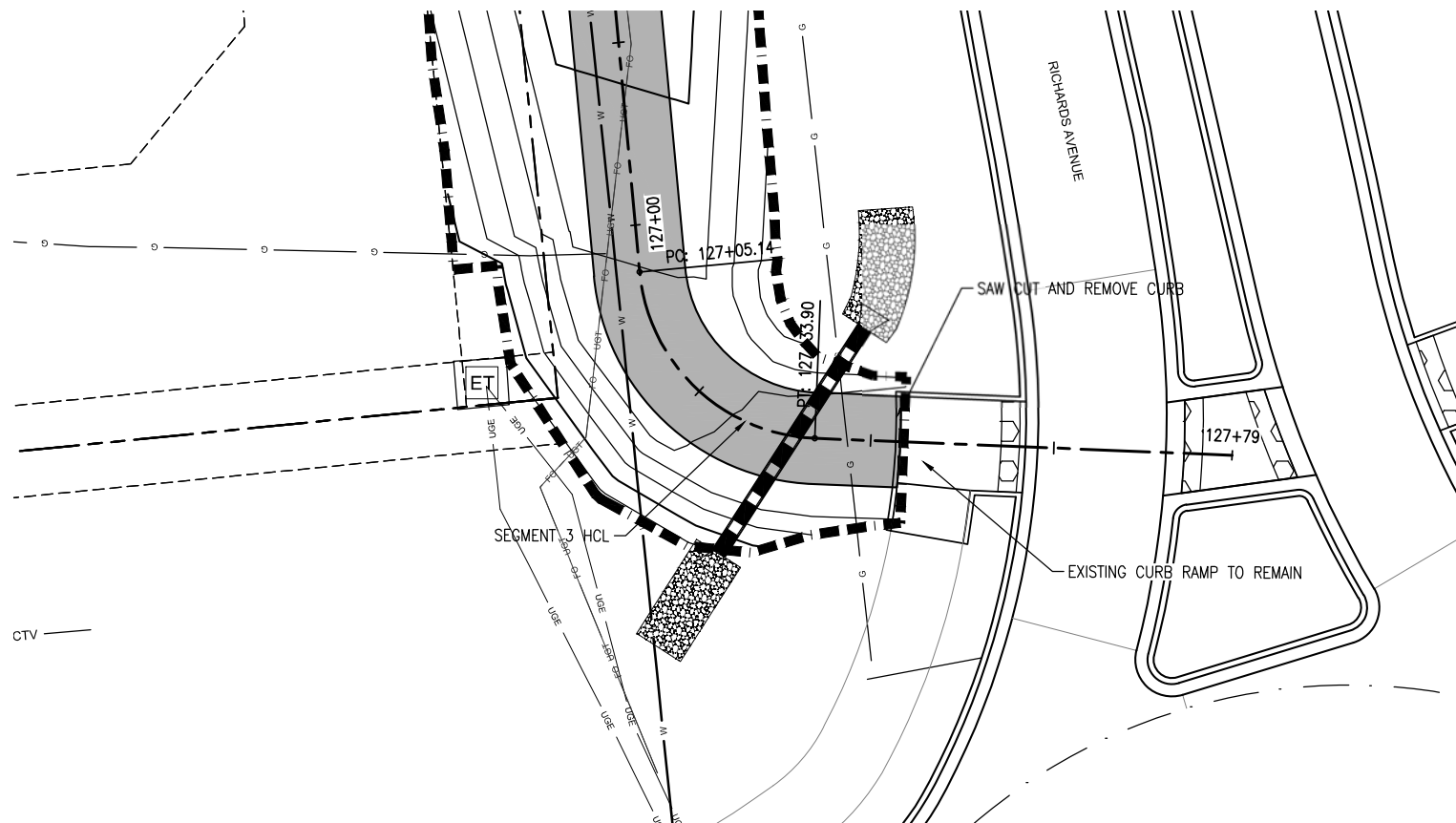
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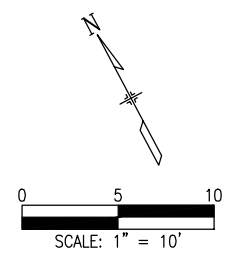
Project No./Code
Arroyo Hondo Trail
325-12126
<b>53</b>

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Unit Information	Unit Leader Initials

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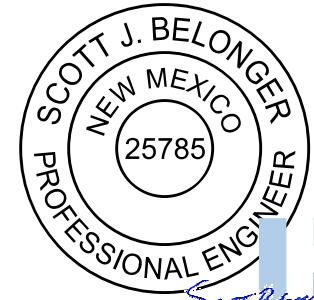


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ARROYO HONDO TRAIL PATH TIE INS (SEGMENT 3)			
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Project No./Code	Arroyo Hondo Trail
	325-12126
	<b>54</b>

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STRUCTURAL NOTES:

A. STRUCTURAL DESIGN DATA:

1. CODES AND MANUALS
NEW MEXICO STATE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION", 2019
"AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS", 9TH EDITION
"LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES", 2009
AISC "MANUAL OF STEEL CONSTRUCTION", 14TH EDITION
AWS WELDING CODES AS APPLICABLE

2. DESIGN LOADS

DEAD LOAD: ACTUAL WEIGHT OF THE STRUCTURE, PLUS ADDITIONAL DEAD LOADS AS SHOWN
FOUNDATIONS HAVE BEEN DESIGNED BASED ON THE FOLLOWING ASSUMED SUPERSTRUCTURE WEIGHTS, INCLUDING BRIDGE DECK:
BRIDGE 1: 100,750 LB.
ACTUAL BRIDGE LOADS WILL BE REVIEWED WITH THE SHOP DRAWINGS.

LIVE LOAD: PEDESTRIAN LOAD - 90 PSF
TRUCK LOAD - H5=10,000 LB.

WIND LOAD: AASHTO

SEISMIC LOADS:
SPECTRAL RESPONSE ACCELERATIONS Ss = 0.402
S1 = 0.133
Sds = 0.396
Sd1 = 0.207
SITE CLASS D
IMPORTANCE FACTOR I = 1.0 (RISK CATEGORY II)
SEISMIC DESIGN CATEGORY C
SEISMIC ZONE 2
EQUIVALENT LATERAL FORCE PROCEDURE
BASIC SEISMIC FORCE RESISTING SYSTEM BY BRIDGE MANUFACTURER

EARTHWORK:

ALLOWABLE BEARING PRESSURE 4000 PSF
ALLOWABLE SIDE SHEAR 1000 PSF
ACTIVE PRESSURE 35 PSF/FT
AT-REST PRESSURE 55 PSF/FT
PASSIVE PRESSURE 800 PSF/FT

B. STRUCTURAL MATERIALS

COMPLY WITH THE NEW MEXICO STATE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION", AND AS FOLLOWS:

- 1. SUBSTRUCTURE CONCRETE CLASS A (511300) - f'c=4,000 PSI AT 28 DAYS (SUBSTRUCTURES)
2. STRUCTURAL CONCRETE CLASS C (511060) - f'c=3,000 PSI AT 28 DAYS (DRILLED SHAFTS)
3. HIGH PERFORMANCE CONCRETE (HPD) (512003) - f'c = 4,000 PSI AT 28 DAYS (APPROACH SLABS & BRIDGE DECKS)
4. REINFORCING STEEL - fy = 60,000 PSI
5. WIDE FLANGE STEEL SHAPES: ASTM A992, FY = 50 KSI
6. STEEL TUBE SHAPES: ASTM A847, FY = 50 KSI
7. STEEL PLATES: ASTM A588, GRADE B, FY = 50 KSI

C. PRE-ENGINEERED BRIDGE:

- 1. BRIDGE SHALL BE DESIGNED, DETAILED AND FABRICATED BY MANUFACTURER EXPERIENCED IN THE PRODUCTION OF PREFABRICATED BRIDGES AND IN ACCORDANCE WITH REQUIREMENTS AS INDICATED IN THE CONSTRUCTION DOCUMENTS.
2. REFER TO BRIDGE DESCRIPTION TABLE (ON GENERAL LAYOUT SHEETS) FOR EACH OF THE BRIDGE'S DESIGN INFORMATION.
3. ANCHOR BOLTS FOR BRIDGES SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR.
4. THE ABUTMENT DIMENSION DEPICTED AS "STEP" IS DEFINED AS THE DISTANCE FROM FINISHED DECK SURFACE TO CONCRETE BEARING SEAT ELEVATION. ANY CHANGE TO THE STEP DIMENSION SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL, PRIOR TO CONSTRUCTION.
5. SUBMIT FOR REVIEW COMPLETE DESIGN CALCULATIONS STAMPED BY AN ENGINEER REGISTERED IN THE STATE OF NEW MEXICO INDICATING THAT BRIDGE HAS BEEN DESIGNED TO ALL APPLICABLE REQUIREMENTS.
6. SUBMIT FOR REVIEW COMPLETE SHOP DRAWINGS INDICATING SIZES AND SHAPES, CONNECTION DETAILS, ETC. FOR THE PREFABRICATED BRIDGE STRUCTURE.
7. PROVIDE PRIMING AND FINISHES FOR ALL BRIDGE COMPONENTS AS INDICATED.
8. SLIP PADS OF ULTRA HIGH MOLECULAR WEIGHT (UHMW) POLYETHYLENE, OR OTHER APPROVED MATERIAL, SHALL BE PLACED BETWEEN THE SMOOTH SURFACE OF THE SETTING PLATE AND THE SMOOTH BEARING PLATE OF THE BRIDGE.

D. CONCRETE NOTES:

- 1. HOT WEATHER AND COLD WEATHER CONCRETING OPERATIONS SHALL BE PERFORMED IN ACCORDANCE WITH NMDOT "STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION" SECTION 511.
2. ALL REINFORCING STEEL FOR HIGH PERFORMANCE CONCRETE (HPD) SHALL BE EPOXY COATED REINFORCING BARS GRADE 60. ALL REINFORCING STEEL FOR SUBSTRUCTURE CONCRETE CLASS A SHALL BE BLACK REINFORCING BARS GRADE 60.

THE FOLLOWING TABLE GIVES THE MINIMUM REINFORCING BAR LAP SPLICE LENGTH FOR CLASS A SPLICES:

Table with 8 columns: BAR SIZE, SUBSTRUCTURE CONCRETE CLASS A, HIGH PERFORMANCE CONCRETE (HPD). Rows show splice lengths for bar sizes #4 through #11.

- 3. STAGGER SPLICES ONE SPLICE LENGTH WHERE POSSIBLE.
4. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 3/4" CHAMFER, UNLESS DESIGNATED OTHERWISE ON THE PLANS.
5. ALL REINFORCING STEEL SHALL HAVE 2" OF COVER OR 3" IF CONCRETE IS CAST AGAINST AND PERMANENTLY EXPOSED TO WEATHER, UNLESS DESIGNATED OTHERWISE ON PLANS.
6. ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED BEFORE FRESH CONCRETE IS POURED.
7. ALL EXPOSED CONCRETE SURFACES SHALL RECEIVE A CLASS 4 FINISH COLOR SHALL MATCH THE COLOR OF THE CONCRETE SIDEWALK (DAVIS COLOR OMAHA TAN) (FEDERAL COLOR 30450) PAYMENT FOR CLASS 4 FINISH SHALL BE INCLUDED IN THE COST OF THE CONCRETE.

E. FOUNDATION NOTES:

- 1. EXCAVATION AND FILL: ALL FILL, FROM ON-SITE OR IMPORTED FROM OFF-SITE, SHALL BE TESTED AND APPROVED BY THE OWNER PRIOR TO USE IN EMBANKMENT ON THE PROJECT. THE MATERIAL SHALL CONSIST OF NON-EXPANSIVE, GRANULAR FILL.
2. GEOTECHNICAL REPORT: STRUCTURAL FOUNDATION DESIGN FOR THIS PROJECT IS BASED ON THE RECOMMENDATIONS OF A GEOTECHNICAL INVESTIGATION BY GEO-TEST, INC., DATED NOVEMBER 25, 2016; FILE NO. 1-60813. THE CONTRACTOR SHALL BE FAMILIARIZED WITH THE REQUIREMENTS OF THIS REPORT.
3. DEWATERING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.
4. THE CONTRACTOR SHALL OBTAIN A CONSTRUCTION DEWATERING PERMIT FROM THE NMED FOR ANY DEWATERING OF GROUNDWATER DURING CONSTRUCTION IN ACCORDANCE WITH WATER QUALITY CONTROL COMMISSION (WQCC) REQUIREMENTS. THE CONTRACTOR SHALL APPLY FOR THIS PERMIT AT LEAST 30 DAYS PRIOR TO THE START OF DISCHARGE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO ALL TEMPORARY DIVERSIONS AND DEWATERING TO REMOVE EXISTING ABUTMENTS AND CONSTRUCT NEW ABUTMENTS AND SUBSTRUCTURES. ALL COSTS FOR OBTAINING THE PERMIT AND DEWATERING DEVICES SHALL BE INCLUDED IN THE WORK.

F. UTILITY NOTES:

- 1. THE INFORMATION SHOWN ON THESE PLANS CONCERNING THE TYPE AND LOCATION OF UNDER GROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL CONTACT NEW MEXICO 811 DAMAGE PREVENTION CENTER AT 811 AT LEAST 2 DAYS (NOT INCLUDING THE DAY OF NOTIFICATION) PRIOR TO ANY EXCAVATION OR OTHER EARTHWORK.

ABBREVIATIONS TABLE with columns for various abbreviations and their full names, including ASHTO, ABANDON, ABC, ABUT, ALT, AMT, APPROX, ASPH, ASTM, AVG, AWMA, BF, BFLV, BLDG, BMD, BMP, BOC, BOF, BOW, BRG, BS, C&G, C/C, CB, CDOT, CES, and CJ.

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Print Date: Sep 06, 2023
File Name: 20307 (16A) Bridge General Notes.dwg
Horiz. Scale: Vert. Scale: As Noted
Unit Information Unit Leader Initials

Sheet Revisions table with columns: Date, Comments, Init.

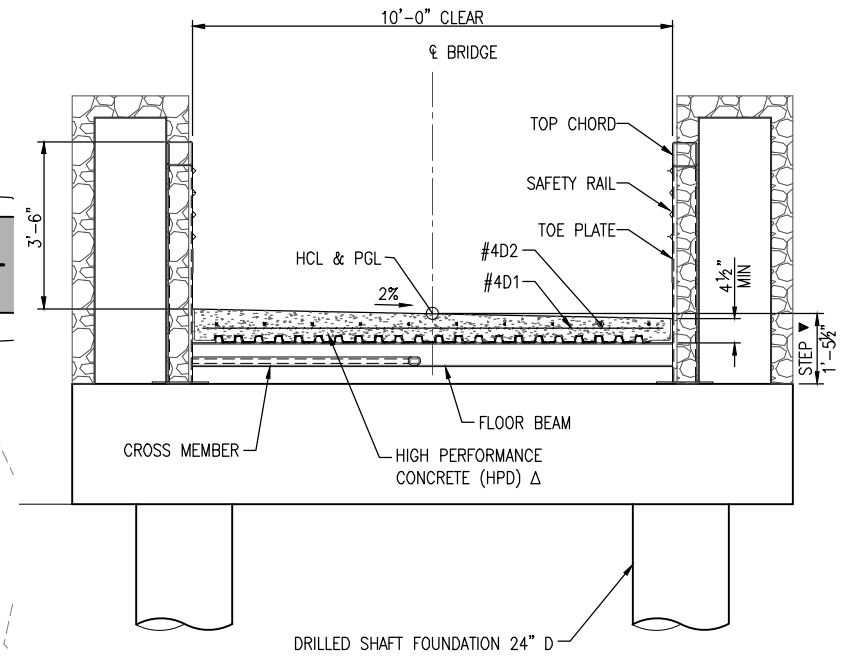
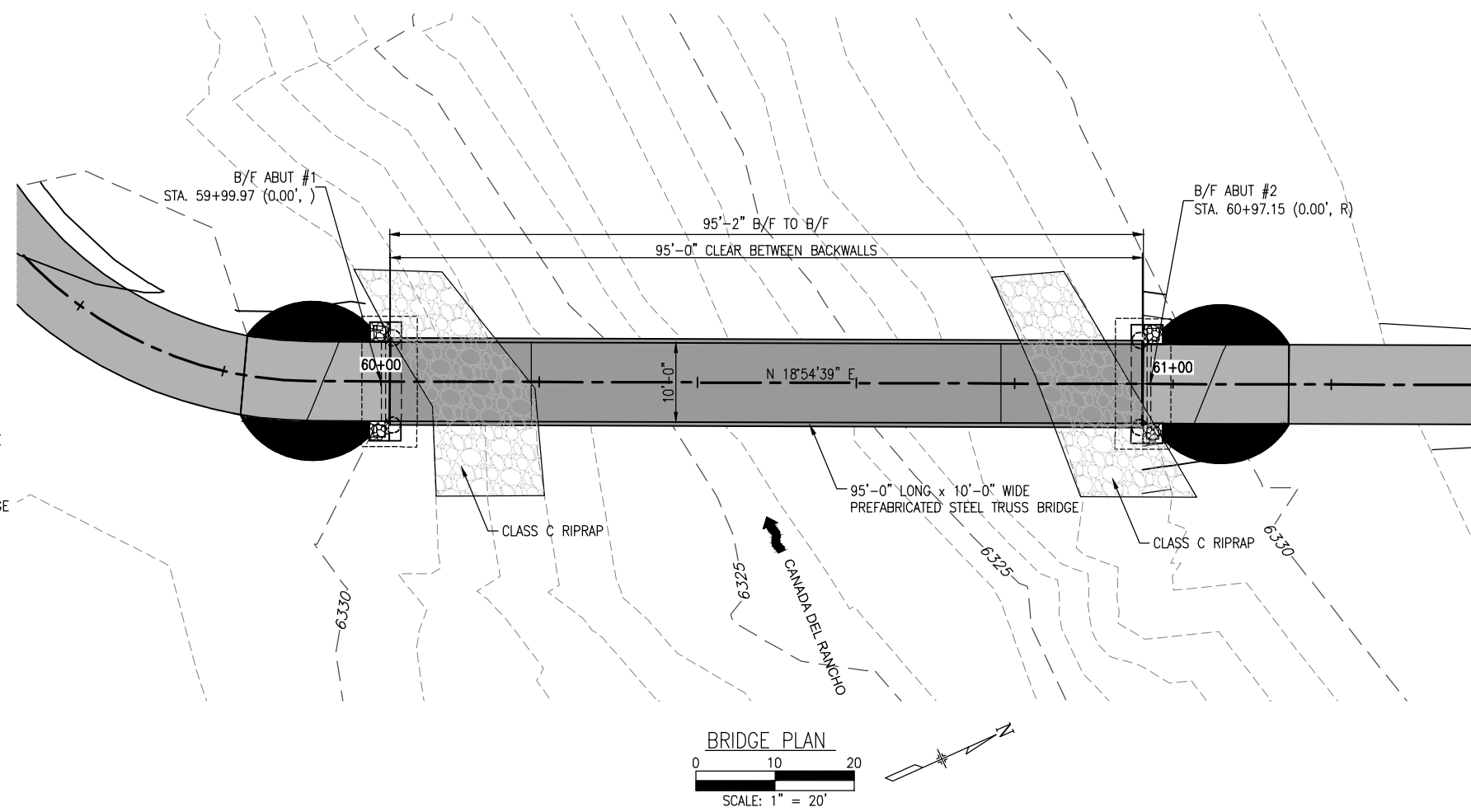


As Constructed
No Revisions:
Revised:
Void:
ARROYO HONDO TRAIL BRIDGE GENERAL INFORMATION
Designer: DAG
Detailer: BDZ
Sheet Subset: B-01
Subset Sheets: 4

Project No./Code
Arroyo Hondo Trail
325-12126
55

BRIDGE 1 DESIGN INFORMATION	
OVERALL LENGTH	95'-0"
CLEAR WIDTH	10'-0"
CORROSION PROTECTION	WEATHERING STEEL
CAMBER	1%
LIVE LOAD	AASHTO*
VEHICLE LOAD	AASHTO*
WIND LOAD	AASHTO*
SEISMIC ZONE	2
RUB RAILS	NONE
TOE PLATE	STEEL
RAIL HEIGHT	3'-6" MIN
DECKING	CONCRETE
TRUSS TYPE*	U-TYPE
STEP	1'-6" MAX
BREAKAWAY DEVICE	NO
CLOSURE PLATE	YES

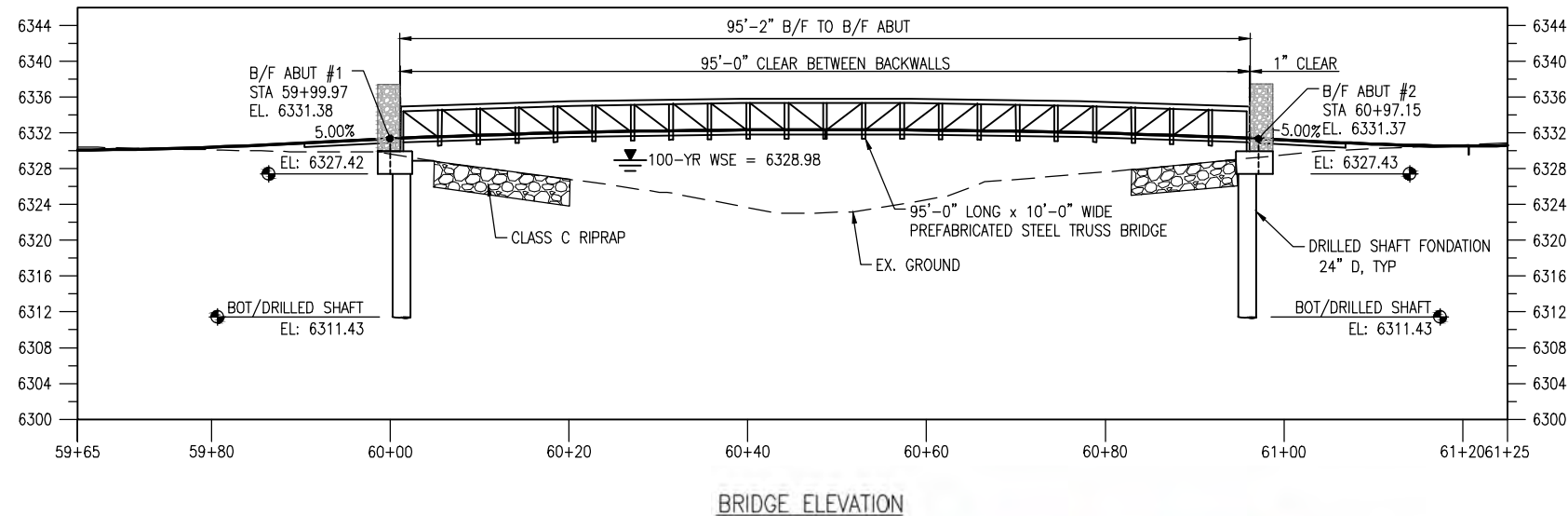
- \* AASHTO LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES
- MEASURED AT CENTERLINE OF STRUCTURE
- ▼ MAXIMUM PERMISSIBLE MEASURED FROM TOP OF DECK TO BEARING SURFACE. COORDINATE FINAL DIMENSION WITH BRIDGE SHOP DRAWINGS



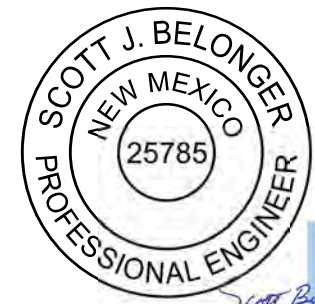
BRIDGE SECTION

NOTE:

Δ CONCRETE COLOR SHALL BE DAVIS COLORS 5084-OMAHA TAN, INTEGRAL COLOR MIXED IN THE PLANT ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.



BRIDGE ELEVATION



Digitally signed by Scott J Belonger  
Date: 2023.09.07 12:16:32-06'00'

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Unit Information Unit Leader Initials	

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Date:	Comments	Init.



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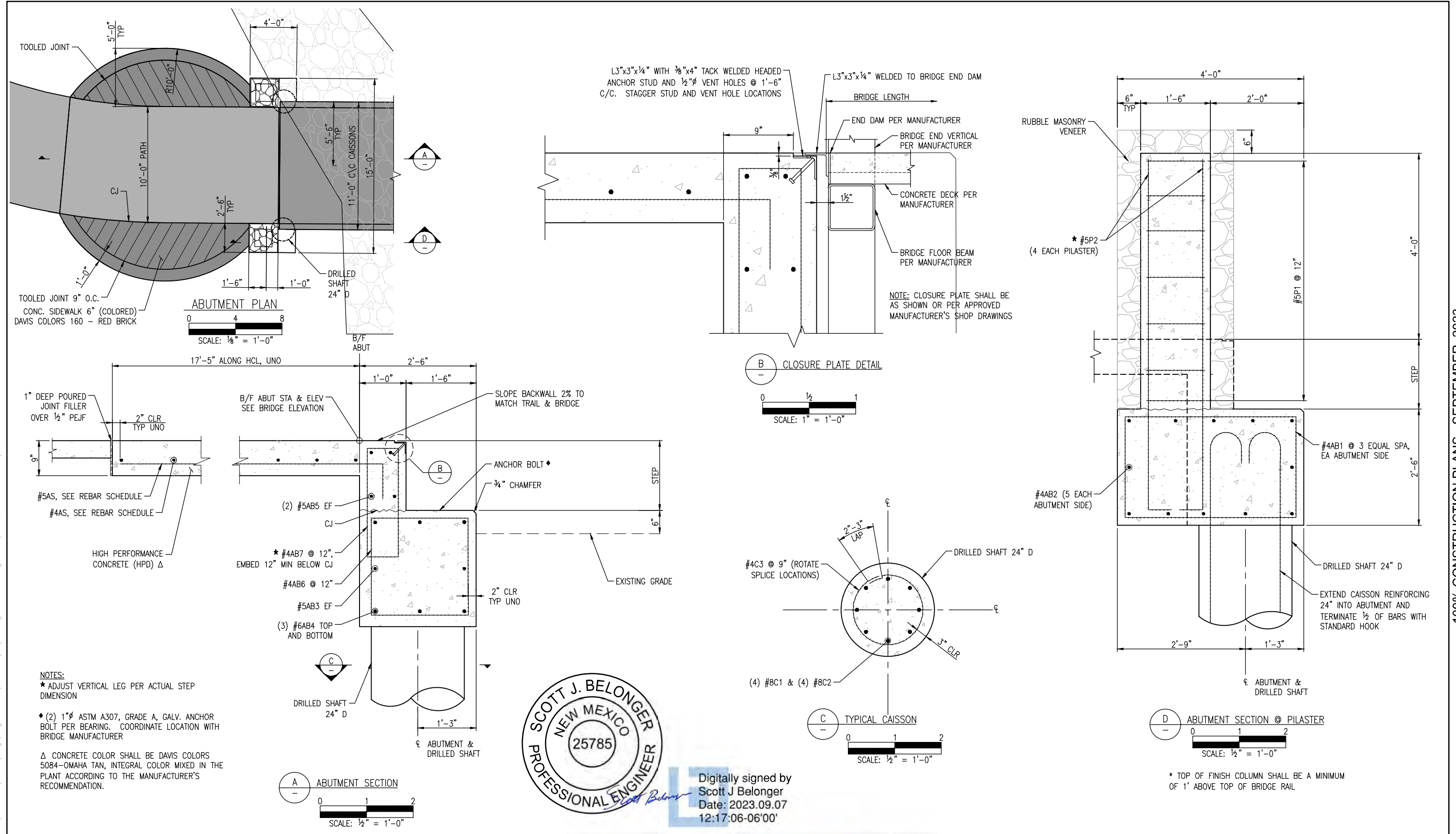
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Detailer: BDZ	Subset Sheets:	4	
Sheet Subset: B-02			

Project No./Code	Arroyo Hondo Trail
	325-12126
	<b>56</b>

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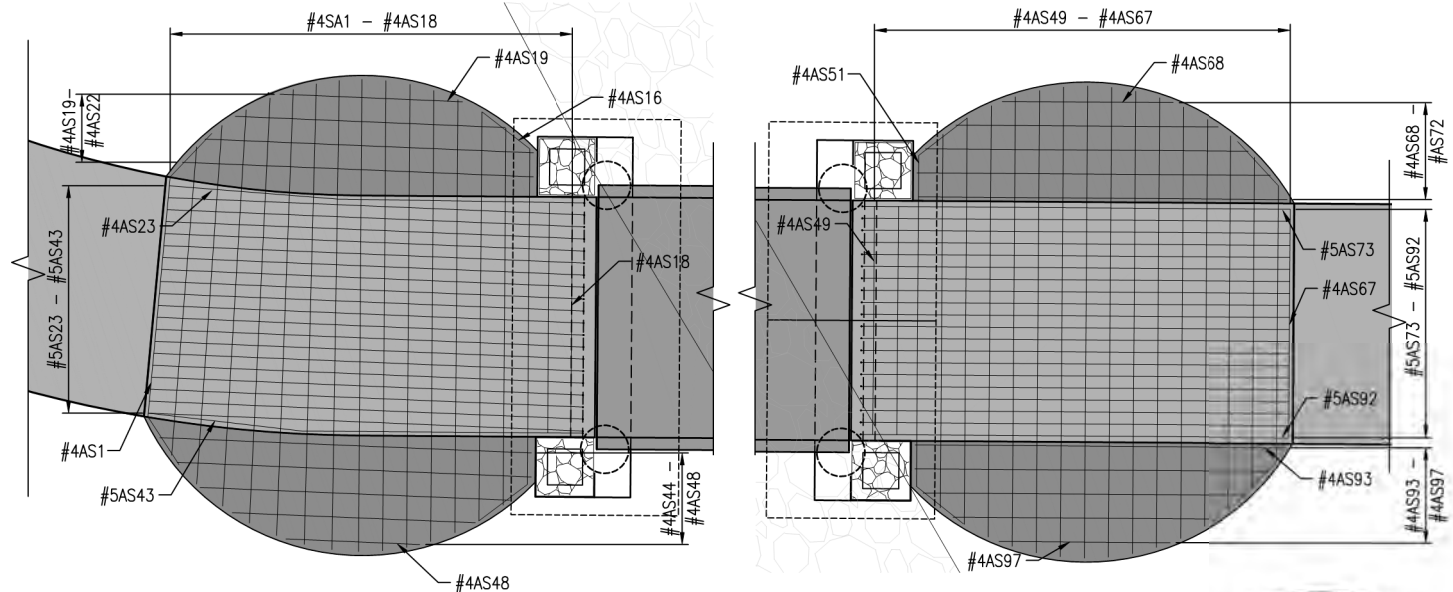
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Horiz. Scale:      Vert. Scale: As Noted				SANTA FE COUNTY	Revised:	Designer: DAG	Structure Numbers	325-12126	
Unit Information      Unit Leader Initials					Void:	Detailer: BDZ	Subset Sheets:	57	
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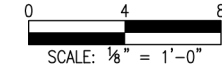
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95' Bridge						
Mark	Multiplier	Size	Type	Length	No. Req'd	Remarks
<b>Bridge Deck</b>						
#4D1	4	1		9'-8"	96	
#4D2	4	1		60'-0"	11	
#4D3	4	1		35'-9"	11	
<b>Pilasters</b>						
#4P1	4	4	3		8	a = 1'-2", b = 1'-2", R = 1"
#5P2	4	5	2		4	a = 7'-1", b = 0'-10, R = 1 7/8"
<b>Pilaster Abutment</b>						
#4AB1	4	4	3		4	a = 3'-8", b = 2'-1", R = 1"
#4AB2	4	4	1	2'-2"	5	
#5AB3	2	5	1	14'-8"	2	
#6AB4	2	6	1	14'-8"	6	
#5AB5	2	5	1	14'-8"	4	
#4AB6	2	4	3		12	a = 2'-2", b = 2'-1", R = 1"
#5AB7	2	5	3		11	a = 0'-8", b = 2'-4", R = 1 1/4"
<b>Caisson</b>						
#8C1	4	8	1	18'-0"	4	
#8C2	4	8	5		4	a = 18'-0"
#4C3	4	4	6		22	a = 0'-3", R = 0'-9"
<b>Approach Slab</b>						
#4AS1	4	15			1	a = 2'-0", b = 10'-0", c = 2'-0", d = 0'-0", θ <sub>1</sub> = 140°, θ <sub>2</sub> = 140°
#4AS2	4	1		12'-11"	1	
#4AS3	4	1		15'-0"	1	
#4AS4	4	1		16'-6"	1	
#4AS5	4	1		17'-9"	1	
#4AS6	4	1		18'-7"	1	
#4AS7	4	1		19'-2"	1	
#4AS8	4	1		19'-7"	1	
#4AS9	4	1		19'-8"	1	
#4AS10	4	1		19'-7"	1	
#4AS11	4	1		19'-3"	1	
#4AS12	4	1		18'-9"	1	
#4AS13	4	1		18'-0"	1	
#4AS14	4	1		17'-0"	1	
#4AS15	4	1		15'-9"	1	
#4AS16	4	15			1	a = 2'-0", b = 13'-7", c = 2'-0", d = 0'-0", θ <sub>1</sub> = 130°, θ <sub>2</sub> = 130°
#4AS17	4	1		9'-7"	1	
#4AS18	4	1		9'-7"	1	
#4AS19	4	1		7'-7"	1	
#4AS20	4	1		11'-3"	1	
#4AS21	4	1		13'-8"	1	
#4AS22	4	1		14'-7"	1	
#5AS23	5	2			1	a = 17'-4", b = 0'-10", R = 1 7/8"
#5AS24	5	2			1	a = 17'-4", b = 0'-10", R = 1 7/8"
#5AS25	5	2			1	a = 17'-5", b = 0'-10", R = 1 7/8"
#5AS26	5	2			1	a = 17'-5", b = 0'-10", R = 1 7/8"
#5AS27	5	2			1	a = 17'-6", b = 0'-10", R = 1 7/8"
#5AS28	5	2			1	a = 17'-6", b = 0'-10", R = 1 7/8"
#5AS29	5	2			1	a = 17'-7", b = 0'-10", R = 1 7/8"
#5AS30	5	2			1	a = 17'-7", b = 0'-10", R = 1 7/8"
#5AS31	5	2			1	a = 17'-8", b = 0'-10", R = 1 7/8"
#5AS32	5	2			1	a = 17'-8", b = 0'-10", R = 1 7/8"
#5AS33	5	2			1	a = 17'-9", b = 0'-10", R = 1 7/8"
#5AS34	5	2			1	a = 17'-9", b = 0'-10", R = 1 7/8"
#5AS35	5	2			1	a = 17'-10", b = 0'-10", R = 1 7/8"
#5AS36	5	2			1	a = 17'-10", b = 0'-10", R = 1 7/8"
#5AS37	5	2			1	a = 17'-11", b = 0'-10", R = 1 7/8"
#5AS38	5	2			1	a = 17'-11", b = 0'-10", R = 1 7/8"
#5AS39	5	2			1	a = 18'-0", b = 0'-10", R = 1 7/8"
#5AS40	5	2			1	a = 18'-0", b = 0'-10", R = 1 7/8"
#5AS41	5	2			1	a = 18'-1", b = 0'-10", R = 1 7/8"
#5AS42	5	2			1	a = 18'-1", b = 0'-10", R = 1 7/8"
#5AS43	5	15			1	a = 0'-0", b = 6'-5", c = 11'-8", d = 0'-0", θ <sub>1</sub> = 0°, θ <sub>2</sub> = 175°
#4AS44	4	1		15'-6"	1	
#4AS45	4	1		14'-9"	1	
#4AS46	4	1		12'-11"	1	
#4AS47	4	1		10'-1"	1	
#4AS48	4	1		5'-7"	1	

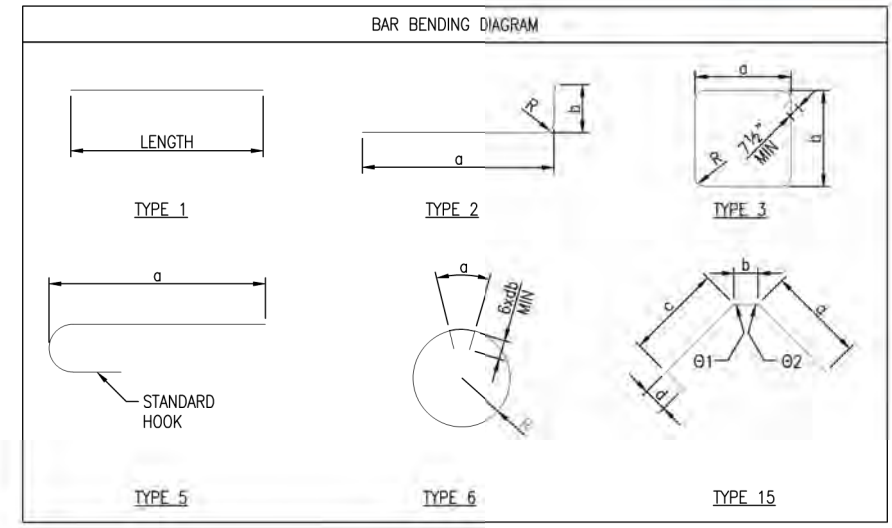


BRIDGE #1 ABUTMENT PLAN



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Mark	Multiplier	Size	Type	Length	No. Req'd	Remarks
#4AS49	4	1		9'-6"	1	
#4AS50	4	1		9'-6"	1	
#4AS51	4	15			1	a = 2'-0", b = 13'-7", c = 2'-0", d = 0'-0", θ <sub>1</sub> = 130°, θ <sub>2</sub> = 130°
#4AS52	4	1		15'-7"	1	
#4AS53	4	1		16'-11"	1	
#4AS54	4	1		17'-11"	1	
#4AS55	4	1		18'-9"	1	
#4AS56	4	1		19'-3"	1	
#4AS57	4	1		19'-7"	1	
#4AS58	4	1		19'-8"	1	
#4AS59	4	1		19'-7"	1	
#4AS60	4	1		19'-3"	1	
#4AS61	4	1		18'-9"	1	
#4AS62	4	1		18'-0"	1	
#4AS63	4	1		16'-11"	1	
#4AS64	4	1		15'-7"	1	
#4AS65	4	1		13'-10"	1	
#4AS66	4	15			1	a = 2'-0", b = 11'-6", c = 2'-0", d = 0'-0", θ <sub>1</sub> = 140°, θ <sub>2</sub> = 140°
#4AS67	4	1		9'-6"	1	
#4AS68	4	1		7'-1"	1	
#4AS69	4	1		10'-11"	1	
#4AS70	4	1		13'-6"	1	
#4AS71	4	1		14'-9"	1	
#4AS72	4	1		15'-5"	1	
#5AS73	5	2			20	a = 17'-10", b = 0'-9", R = 2.5"
#4AS93	4	1		15'-5"	1	
#4AS94	4	1		14'-9"	1	
#4AS95	4	1		13'-6"	1	
#4AS96	4	1		10'-11"	1	
#4AS97	4	1		7'-1"	1	



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Unit Information                      Unit Leader Initials	

Sheet Revisions			
Date:	Comments	Init.	

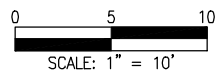
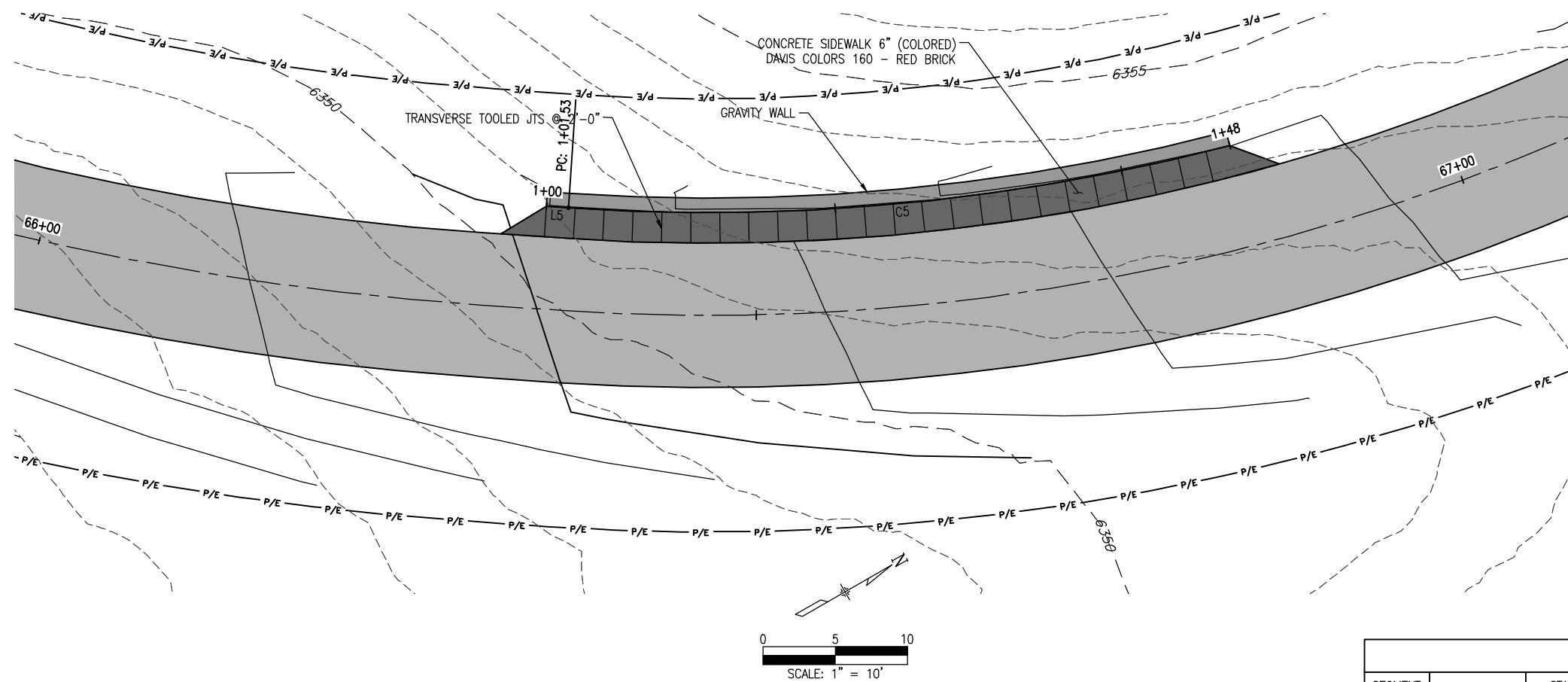


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Revised:	Detailer: BDZ	
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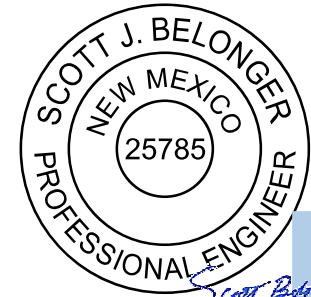
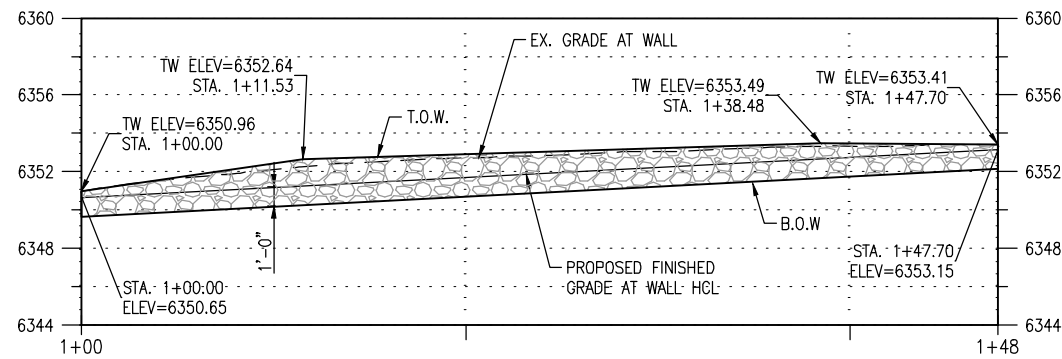
Project No./Code	Arroyo Hondo Trail
	325-12126
	<b>58</b>

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GRAVITY WALL A						
SEGMENT NUMBER	START STATION	START NORTHING	START EASTING	LENGTH	RADIUS	LINE/CHORD DIRECTION
L5	1+00.00	1671556.62	1703112.28	1.53		N28° 34' 22.53"E
C5	1+01.53	1671557.96	1703113.01	46.172	142.88	N19° 18' 53.83"E

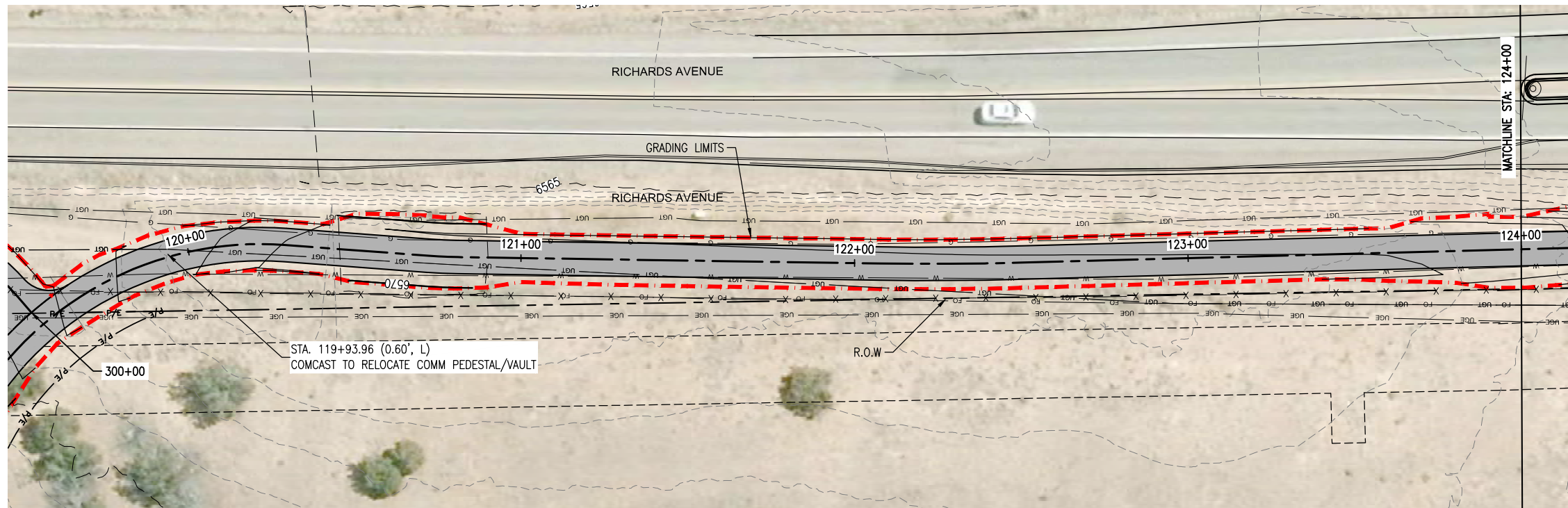


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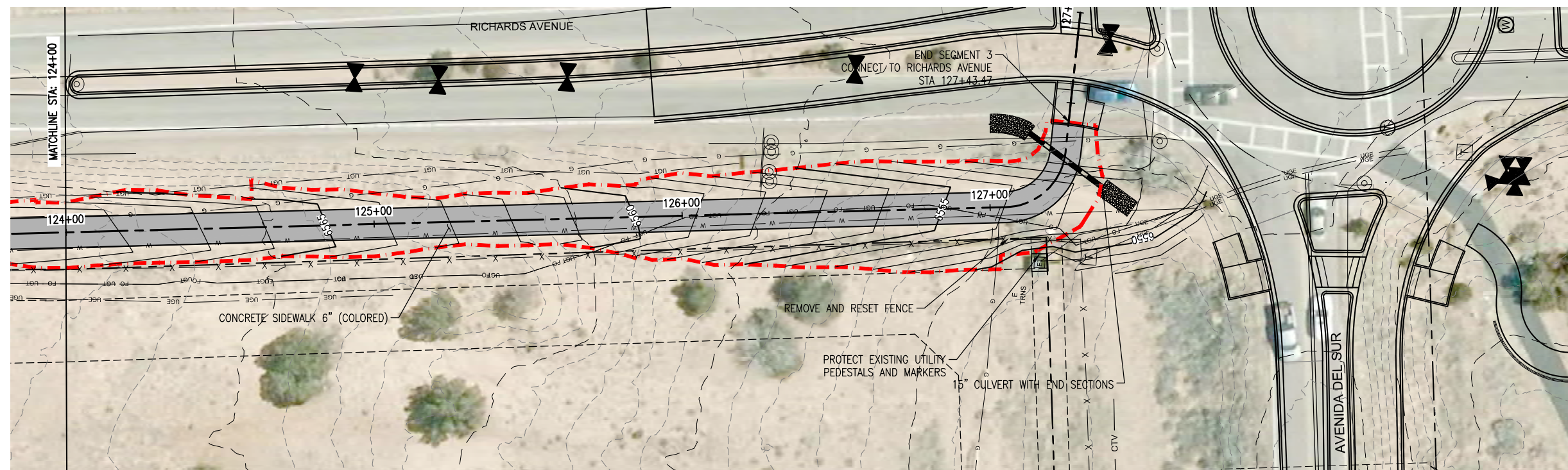
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Horiz. Scale:      Vert. Scale: As Noted					Revised:	Designer: SJB	Structure Numbers	325-12126	
Unit Information      Unit Leader Initials					Void:	Detailer: LX	Subset Sheets:	59	
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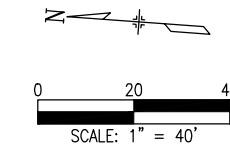
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SEGMENT 3



SEGMENT 3



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Date: 2023.09.07 12:18:38-06'00'

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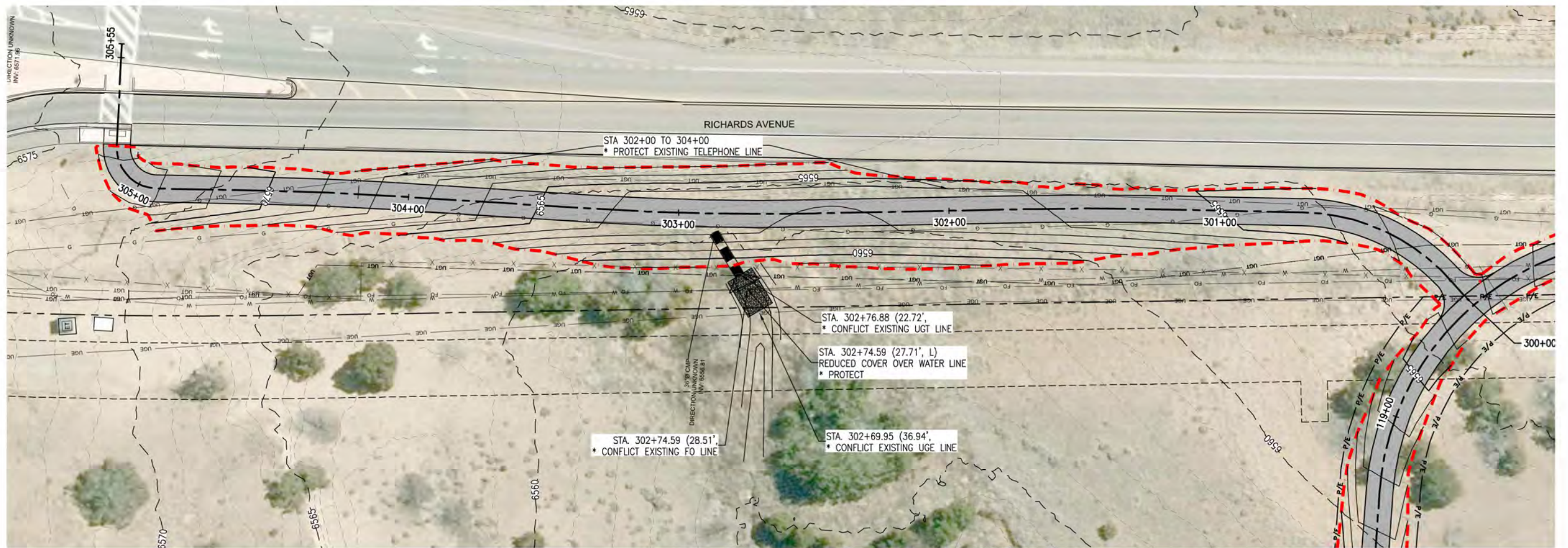
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Unit Information	Unit Leader Initials

Sheet Revisions			
Date:	Comments	Init.	



As Constructed	ARROYO HONDO TRAIL UTILITY PLAN (SEGMENT 3)		Project No./Code
No Revisions:			Arroyo Hondo Trail
Revised:	Designer: SJB	Structure Numbers	325-12126
Void:	Detailer: BDZ	Subset Sheets: 1	60
	Sheet Subset: UR		

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SEGMENT 3A

**NOTES:**

\* CONTRACTOR TO VERIFY DEPTH DURING CONSTRUCTION



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 Date: 2023.09.07  
 12:19:44-06'00'

Print Date: Sep 06, 2023	Unit Information
File Name: 20307 (15) Utility Relocation Plans (Seg3).dwg	Unit Leader Initials
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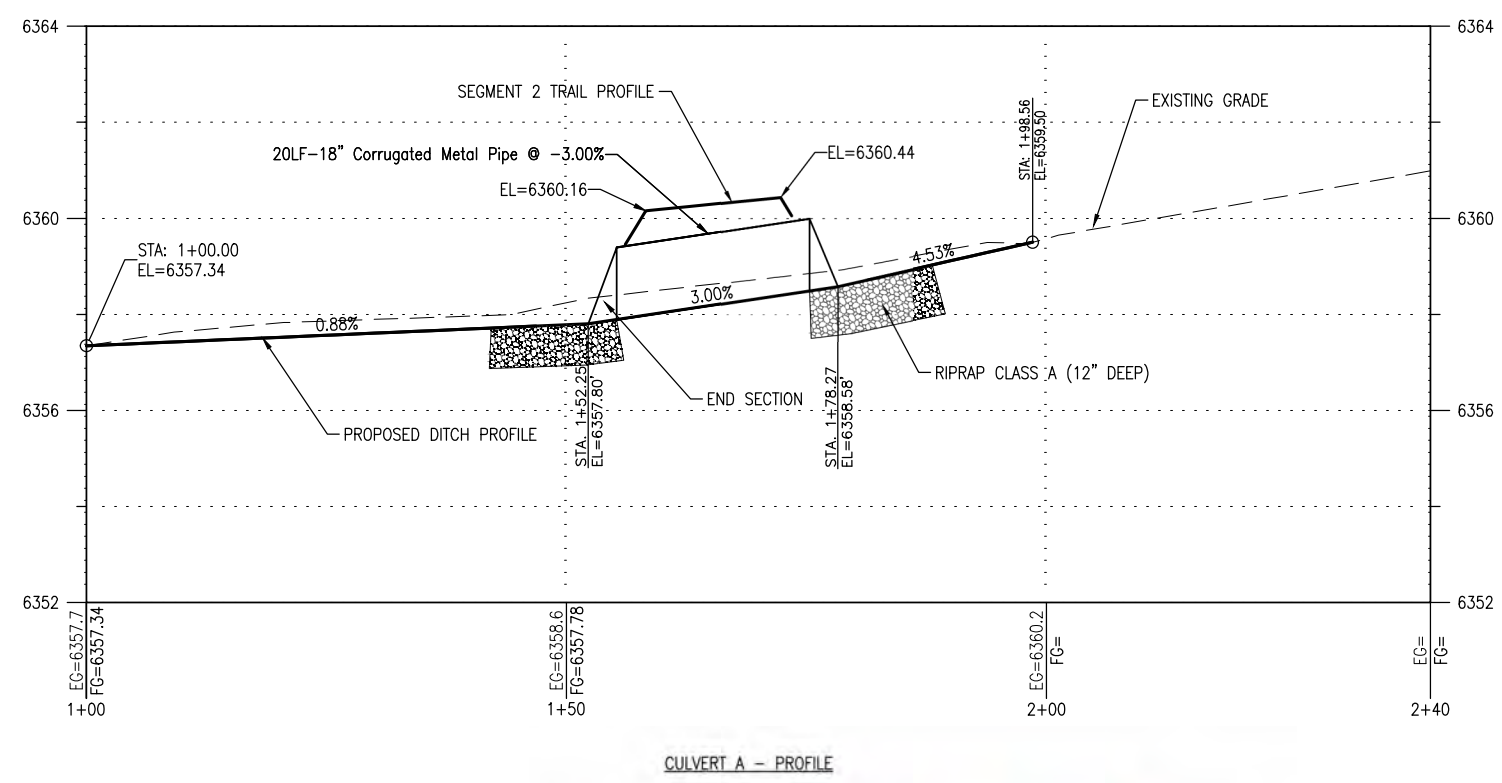
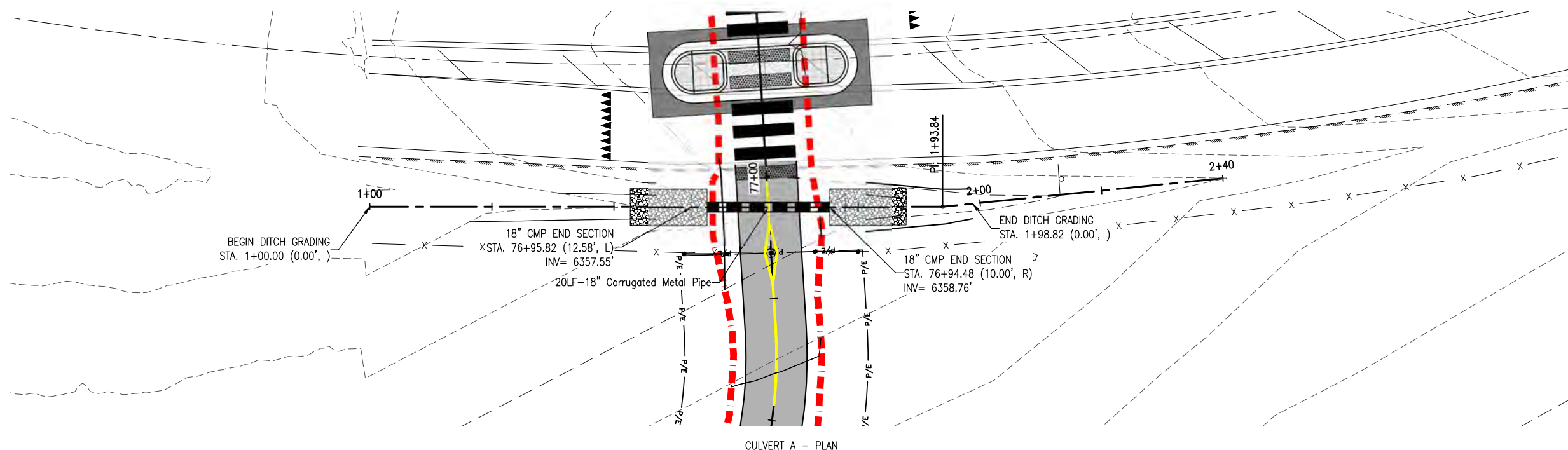
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As Constructed		ARROYO HONDO TRAIL UTILITY PLAN (SEGMENT 3)	
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Project No./Code	Arroyo Hondo Trail
	325-12126
	61

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Belonger  
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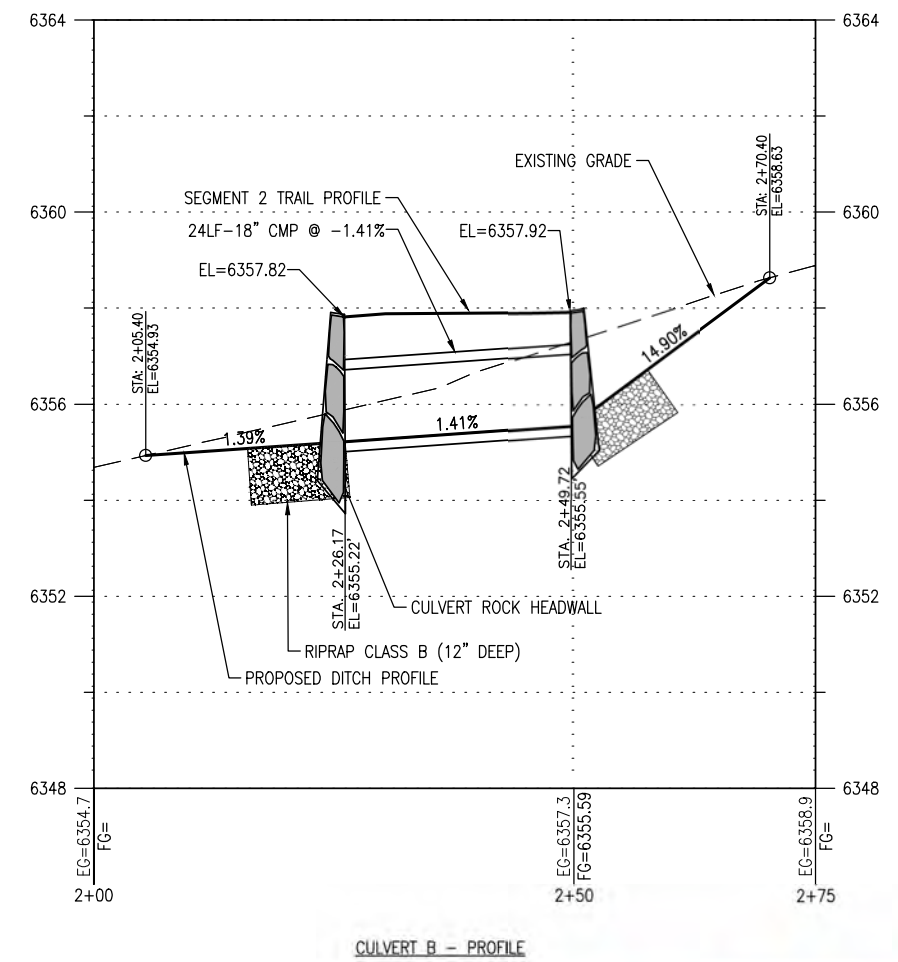
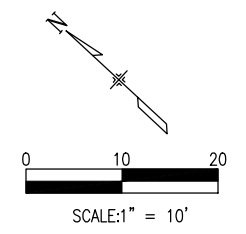
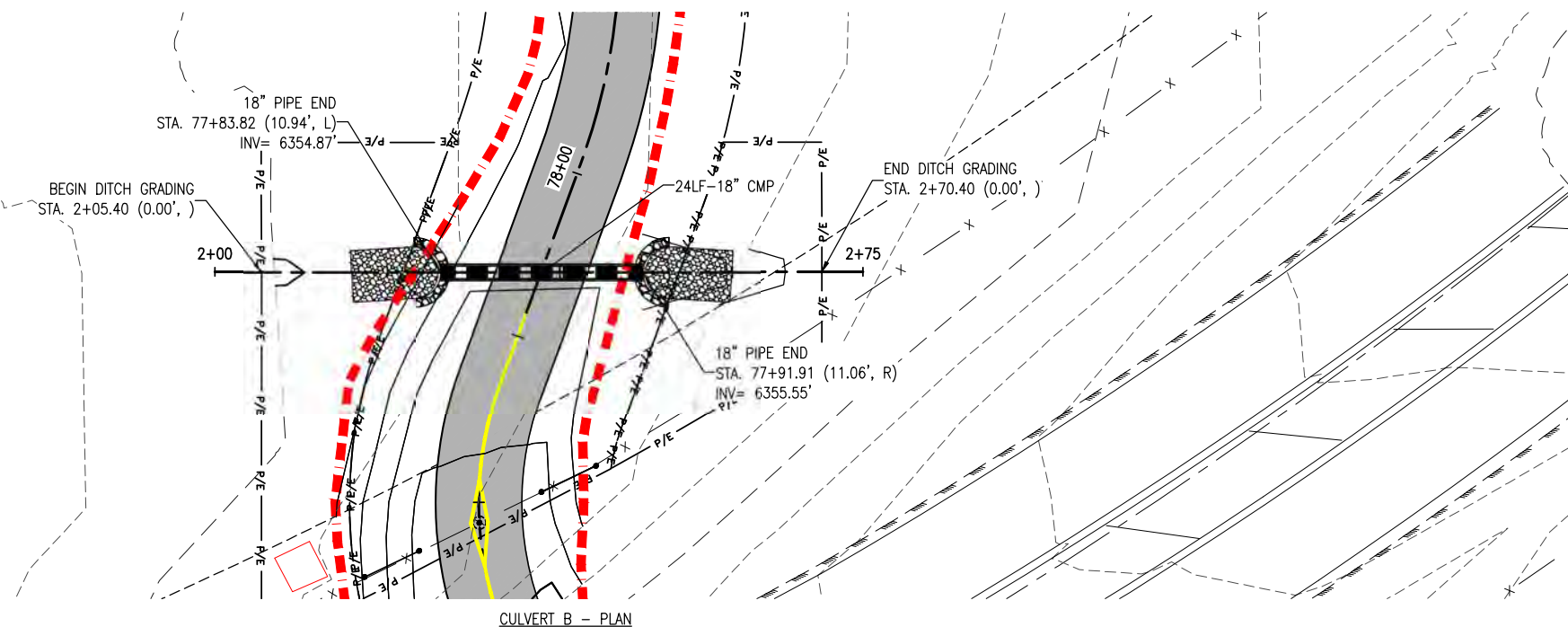


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No Revisions:
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Designer:	SJB	Structure Numbers	
Detailer:	BDZ	Subset Sheets:	5
Sheet Subset:	CP-01		

Project No./Code	Arroyo Hondo Trail
	325-12126
	62

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by Scott J  
Belonger  
Date: 2023.09.07  
12:20:49-06'00'

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Date:	Comments	Init.



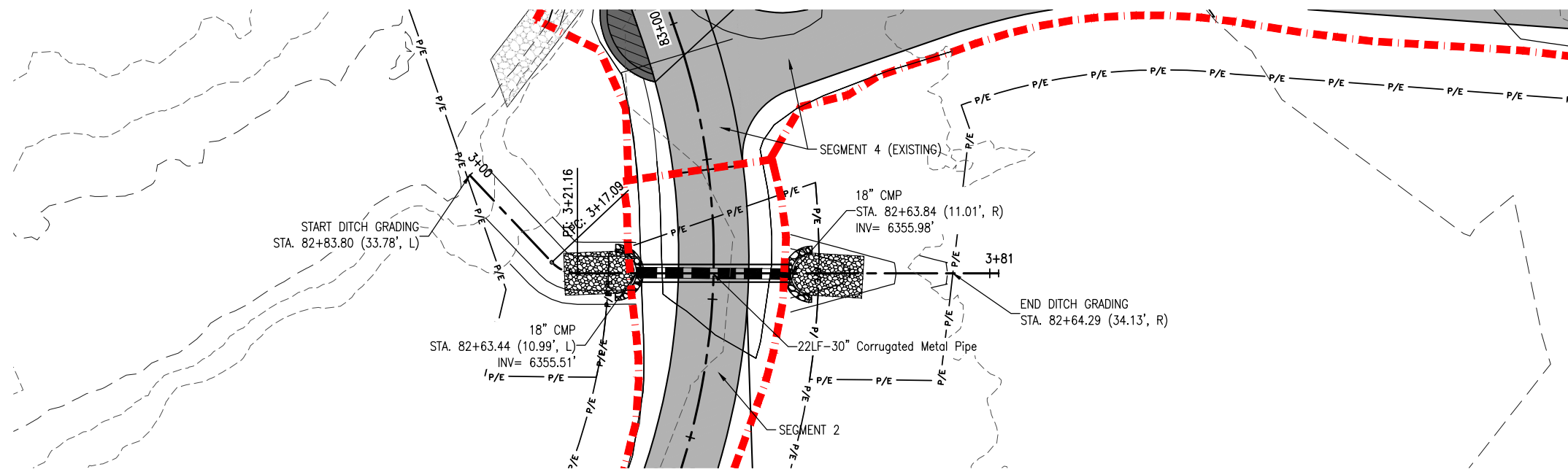
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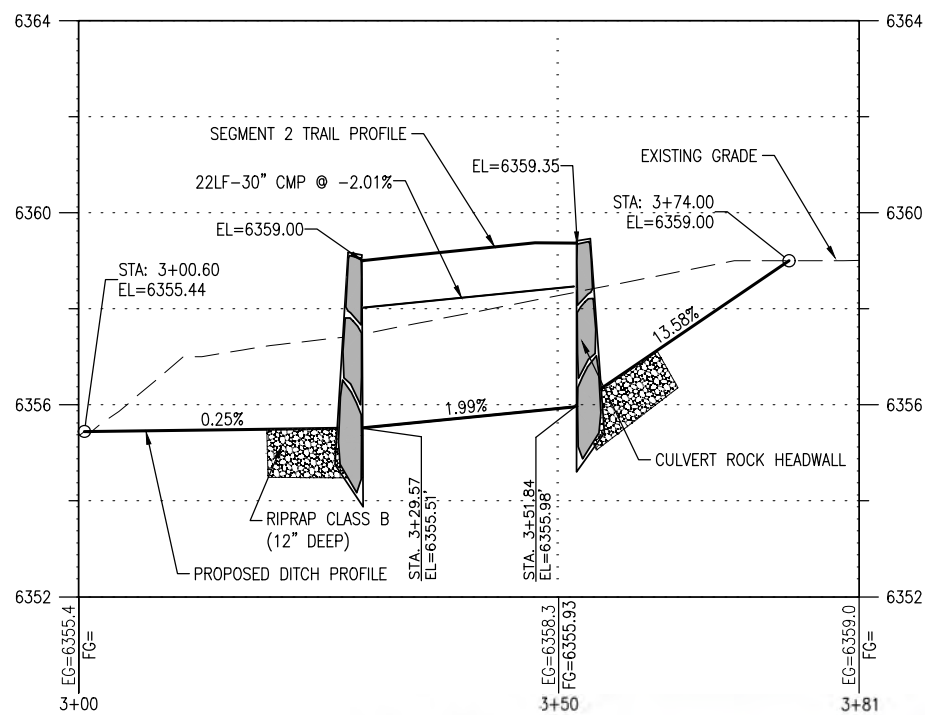
Project No./Code	Arroyo Hondo Trail
	325-12126
	<b>63</b>

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CULVERT C - PLAN



CULVERT C - PROFILE



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Date: 2023.09.07  
12:21:20-06'00'

Print Date: Sep 05, 2023  
File Name: 20307 (EXHIBIT) SEG 2 Culvert PNP.dwg  
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Unit Information Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.



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Revised:  
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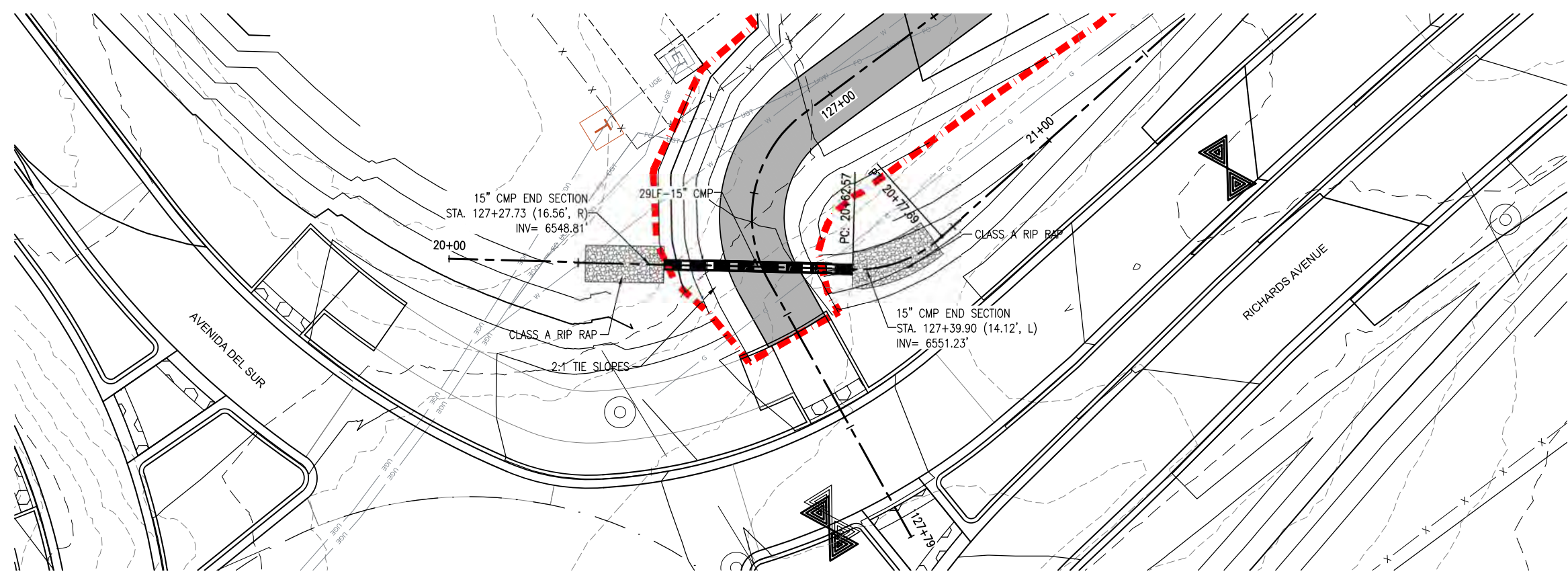
ARROYO HONDO TRAIL  
CULVERT PLAN & PROFILE  
(SEGMENT 2)

Designer: SJB  
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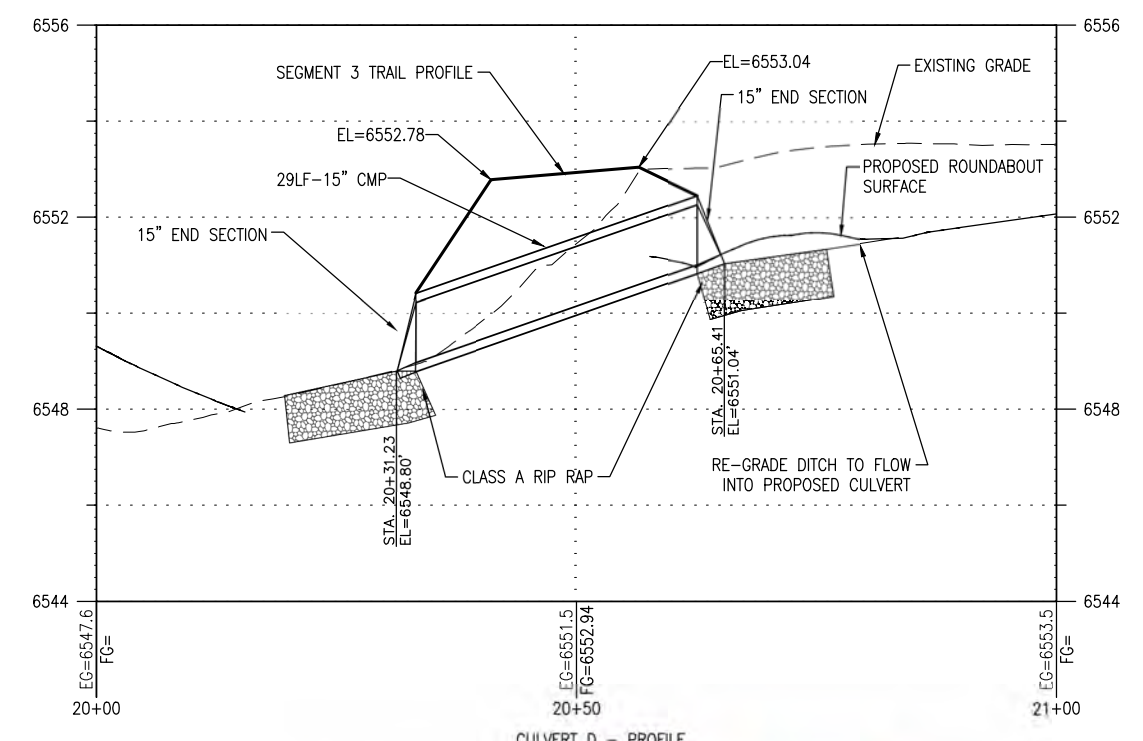
Project No./Code  
Arroyo Hondo Trail  
325-12126  
64



O:\PROJECT\20300\20307\04 CAD\ACAD\Drawings\Segment 3\Culvert PNP.dwg Sep 05, 2023 - 4:11pm



CULVERT D - PLAN



CULVERT D - PROFILE



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Belonger  
Date: 2023.09.07  
12:21:46-06'00'

Print Date: Sep 05, 2023	
File Name: 20307 (EXHIBIT) SEG 3 Culvert PNP.dwg	
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Unit Information	Unit Leader Initials

Sheet Revisions			
Date:	Comments	Init.	



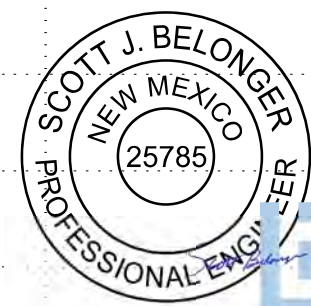
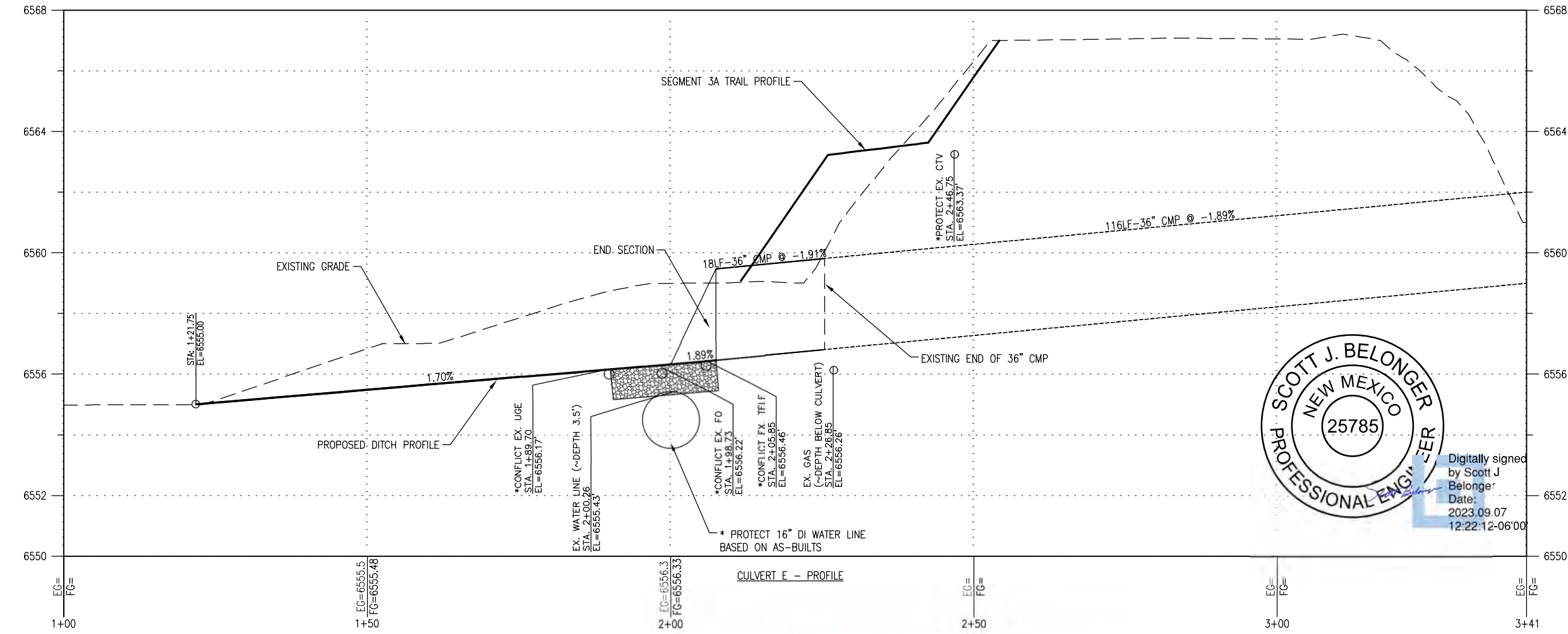
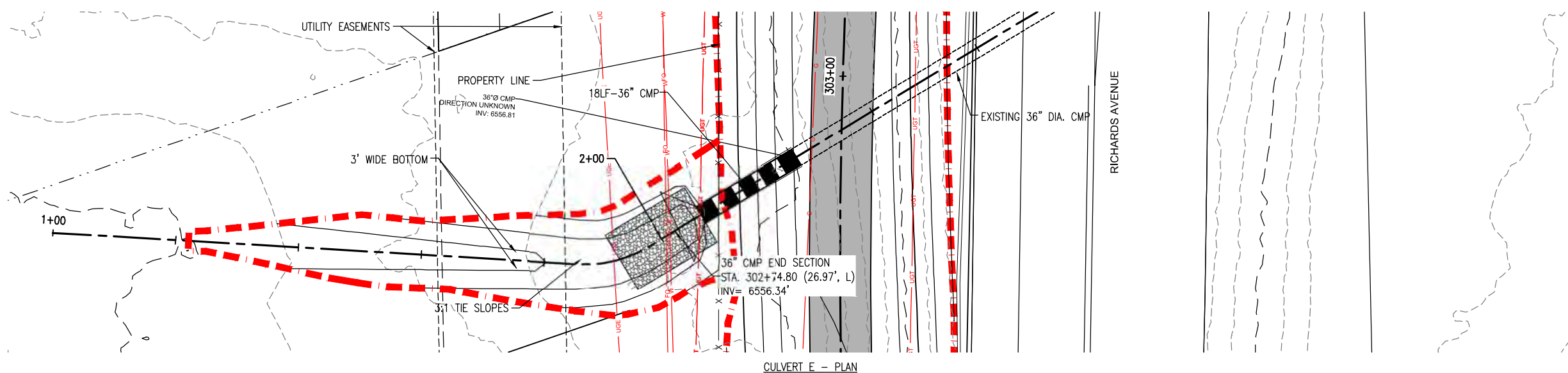
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Revised:
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Detailer:	LX	Subset Sheets:	5
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Project No./Code	Arroyo Hondo Trail
	325-12126
	<b>65</b>

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O:\PROJECT\20300\20307\04 CAD\ACAD\Drawings\Segment 3\20307 (EXHIBIT) SEG 3A Culvert Extension PNP.dwg Sep 06, 2023 - 4:23pm



Digitally signed by Scott J Belonger Date: 2023.09.07 12:22:12-06'00

**NOTES:**  
\* CONTRACTOR TO VERIFY DEPTH DURING CONSTRUCTION

Print Date: Sep 06, 2023	Unit Information
File Name: 20307 (EXHIBIT) SEG 3A Culvert Extension PNP.dwg	Unit Leader Initials
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Sheet Revisions		
Date:	Comments	Init.



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Revised:
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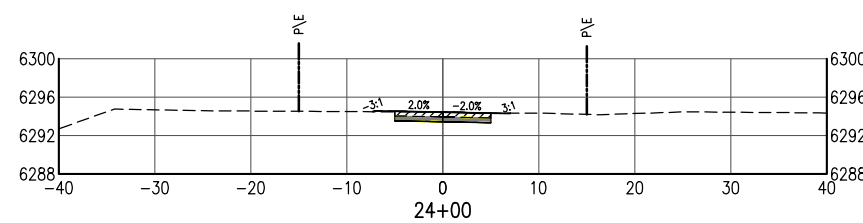
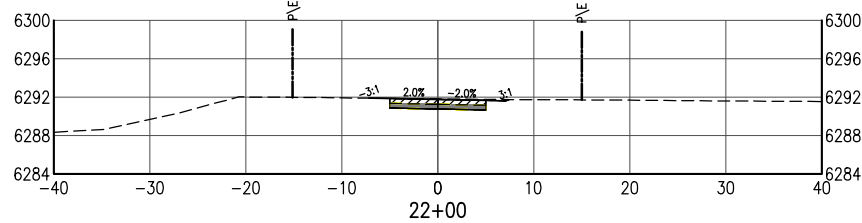
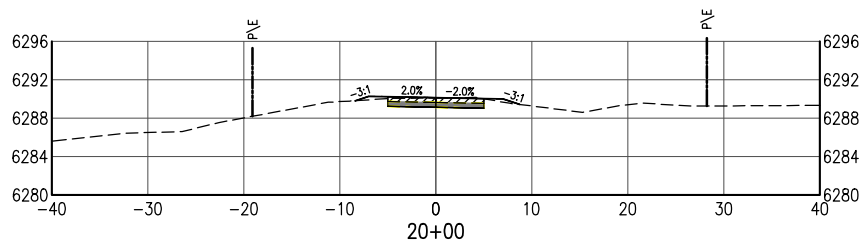
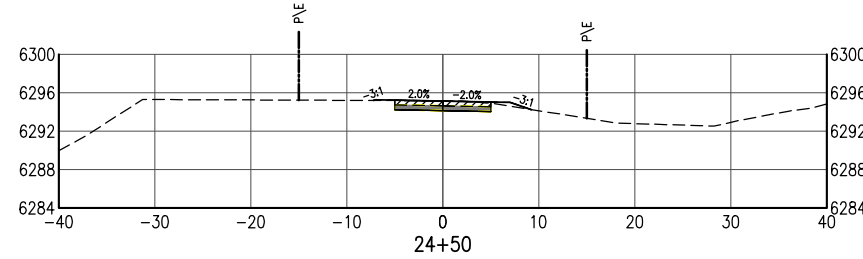
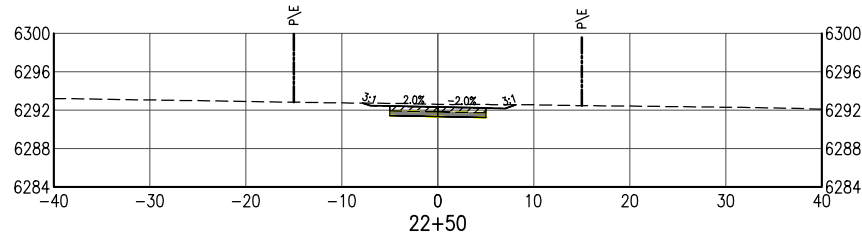
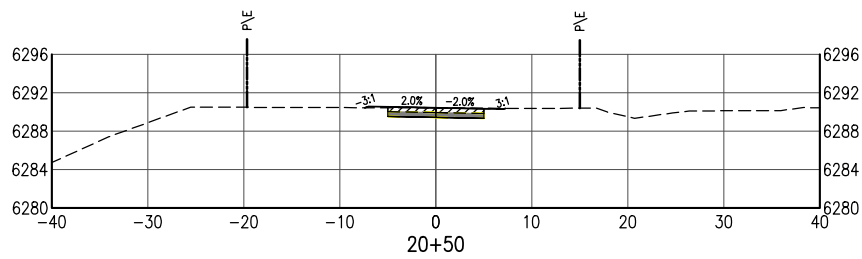
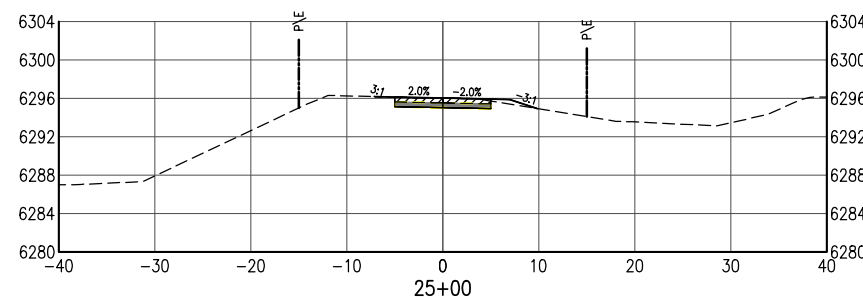
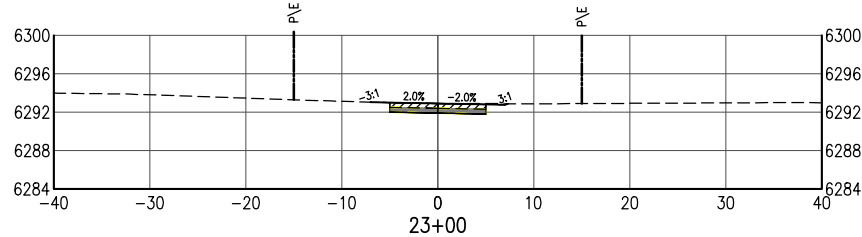
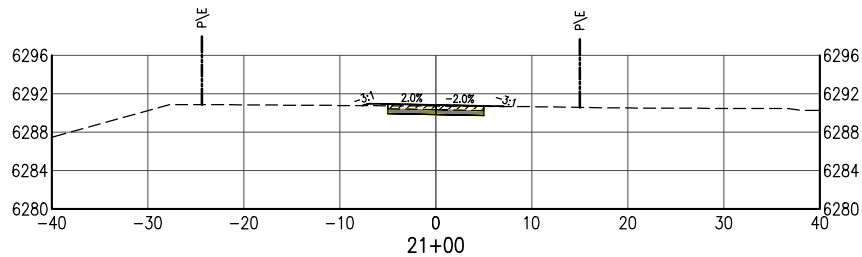
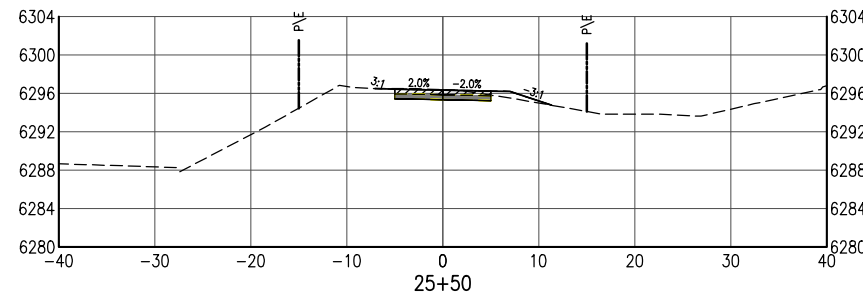
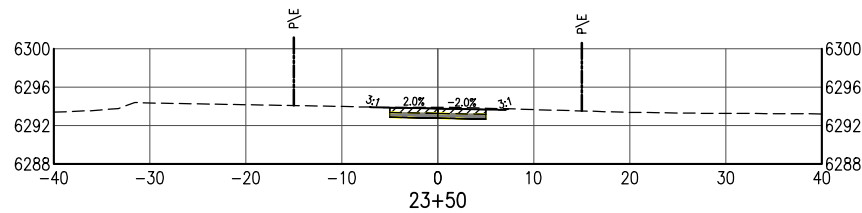
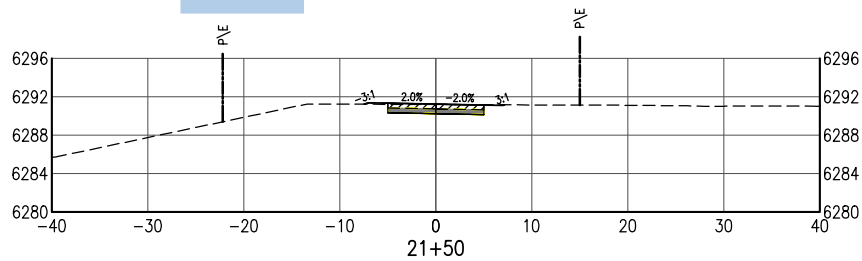
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Designer: SJB	Structure Numbers		
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Project No./Code
Arroyo Hondo Trail
325-12126
<b>66</b>

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 Scott J Belonger  
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Unit Information	Unit Leader Initials

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Date:	Comments	Init.



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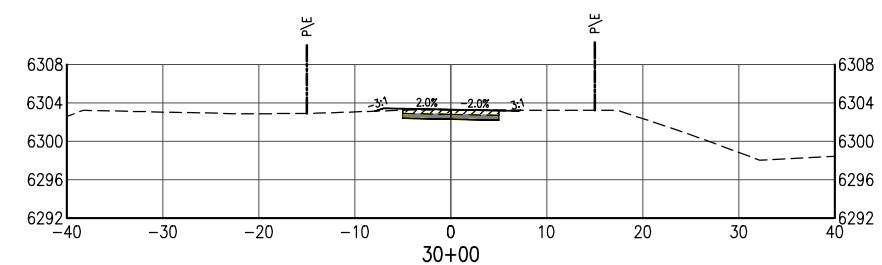
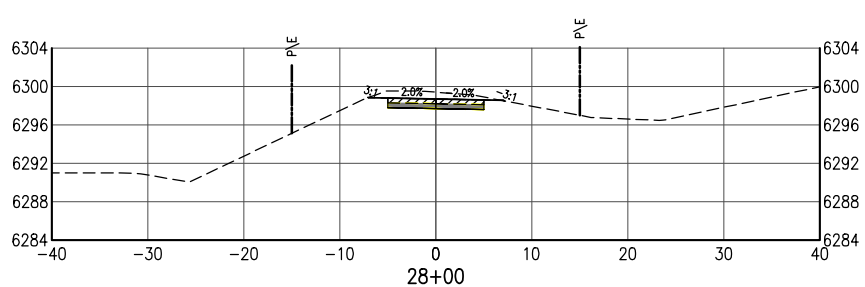
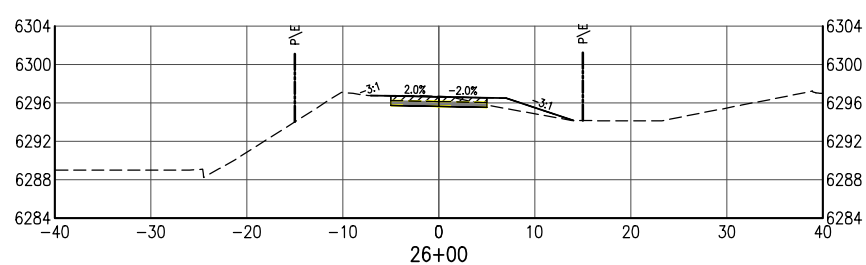
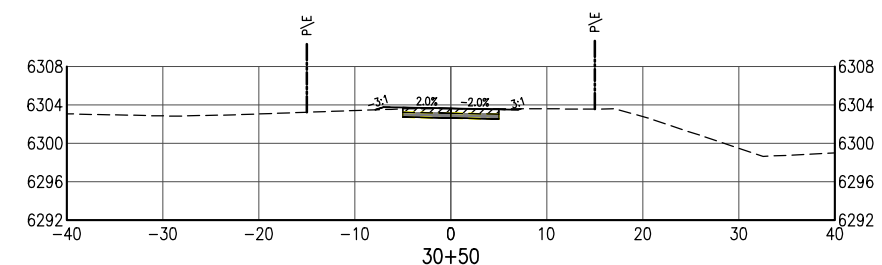
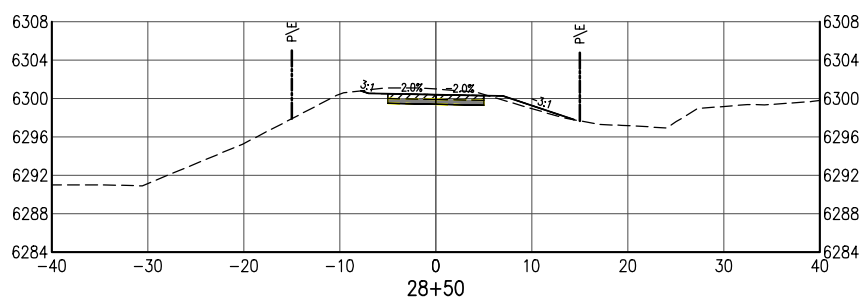
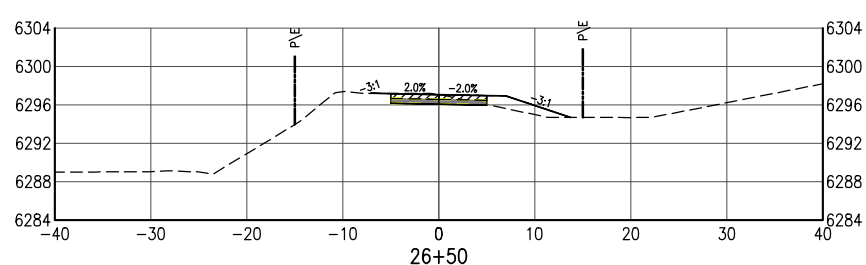
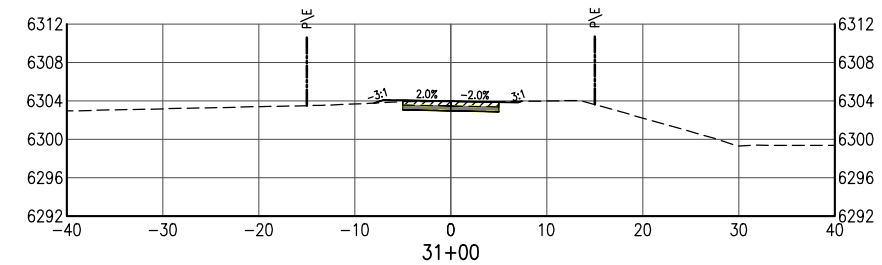
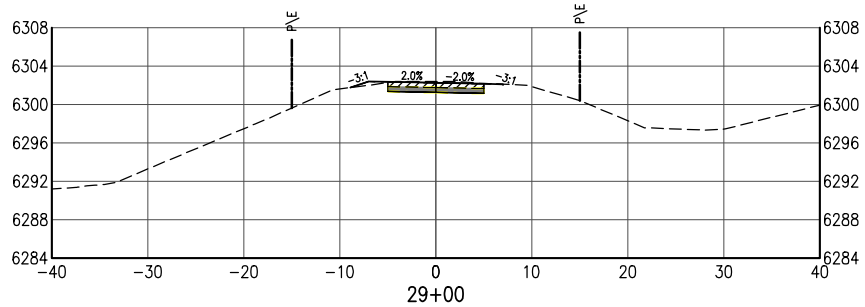
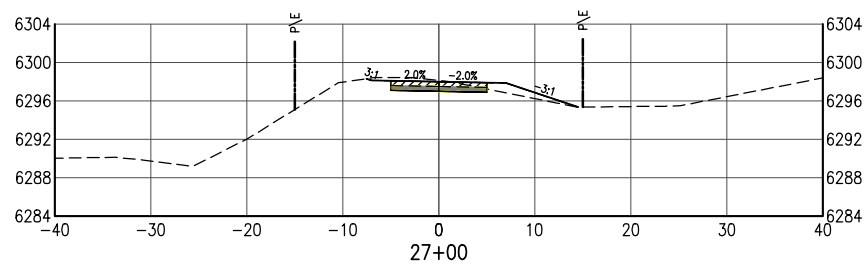
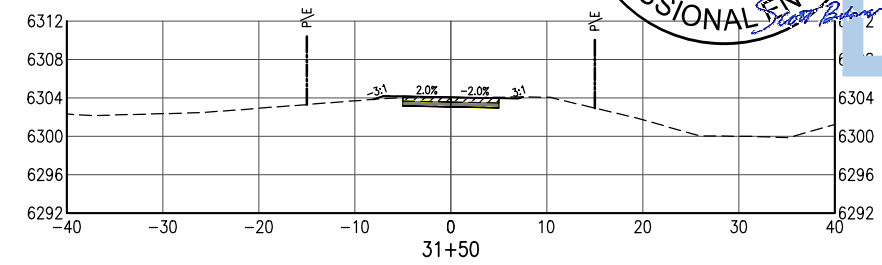
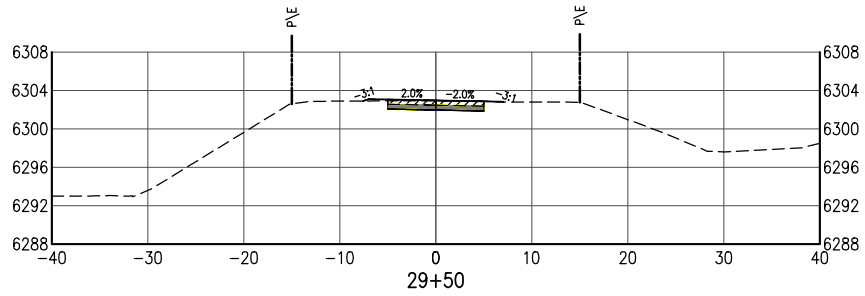
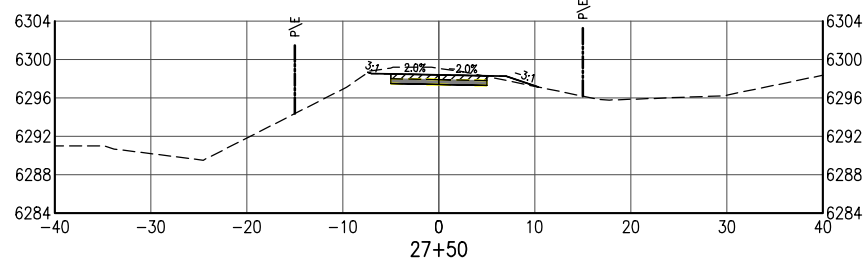
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Detailer:	LX	Numbers	
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Project No./Code
Arroyo Hondo Trail
325-12126
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Unit Information	Unit Leader Initials

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Date:	Comments	Init.



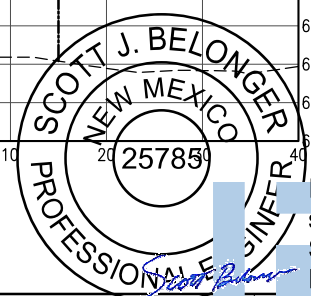
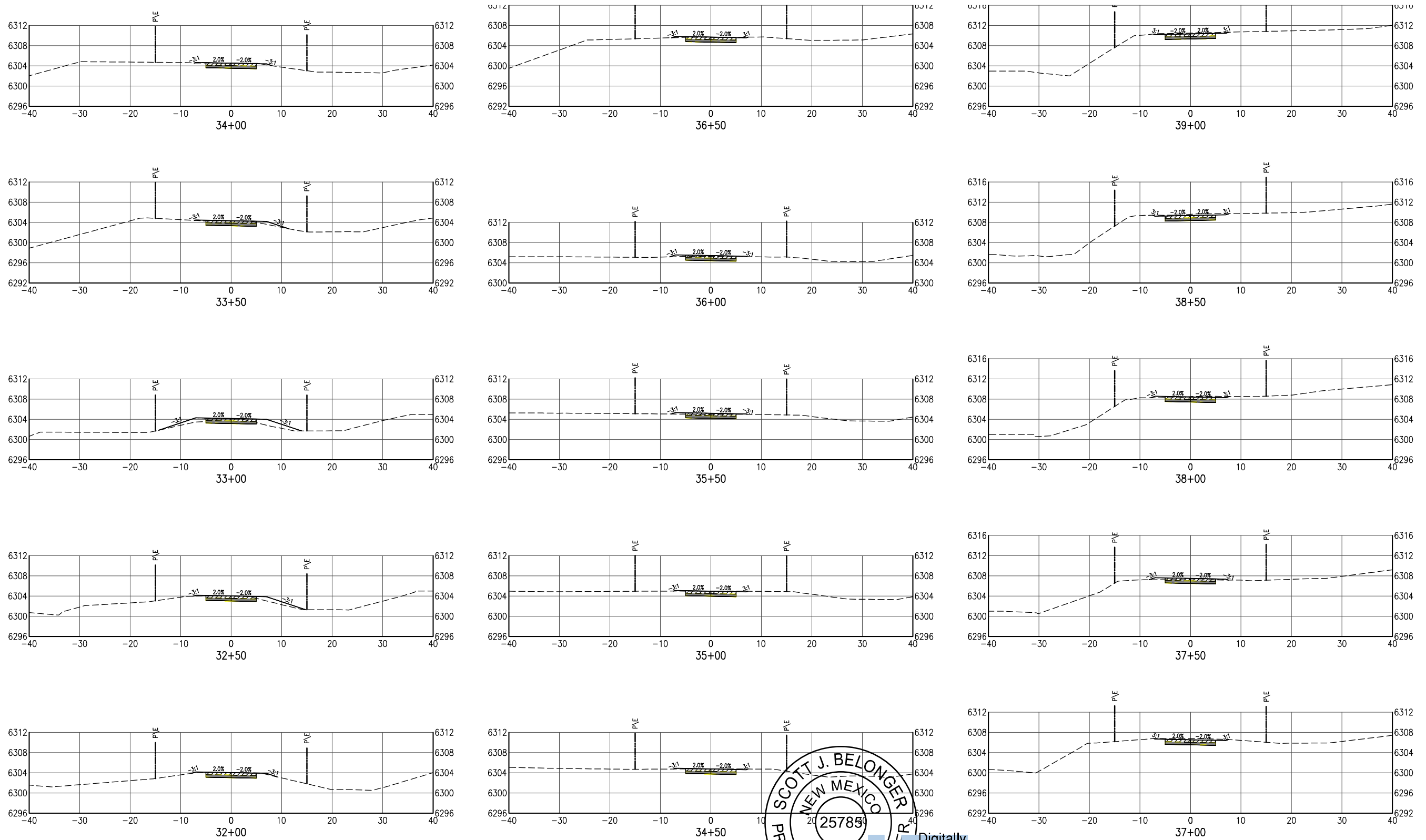
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Revised:
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Project No./Code
Arroyo Hondo Trail
325-12126
<b>68</b>

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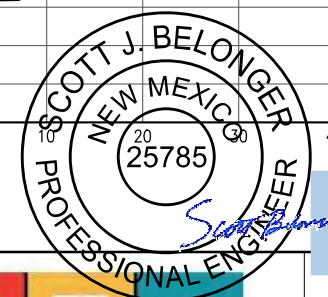
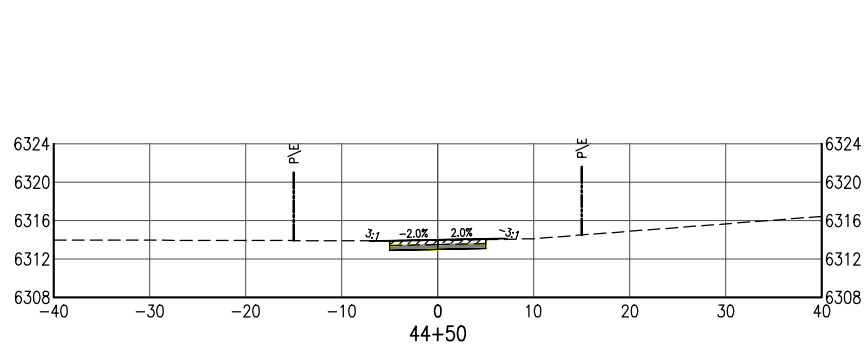
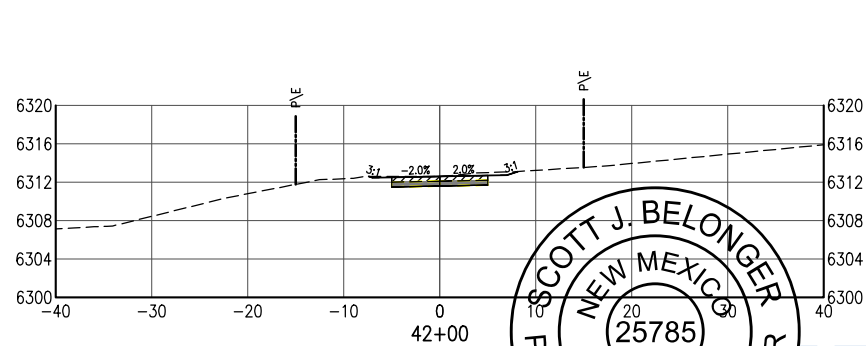
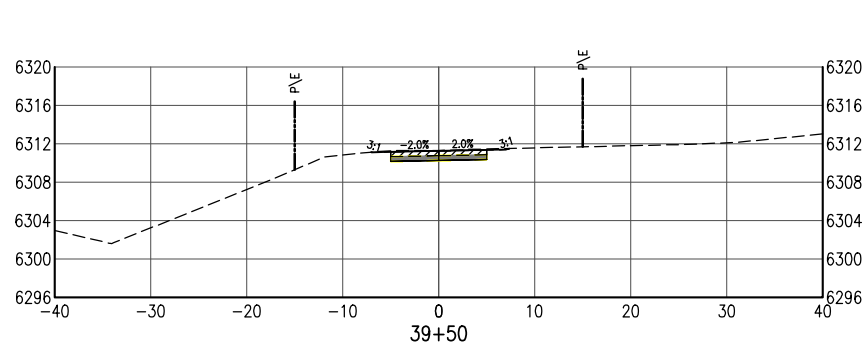
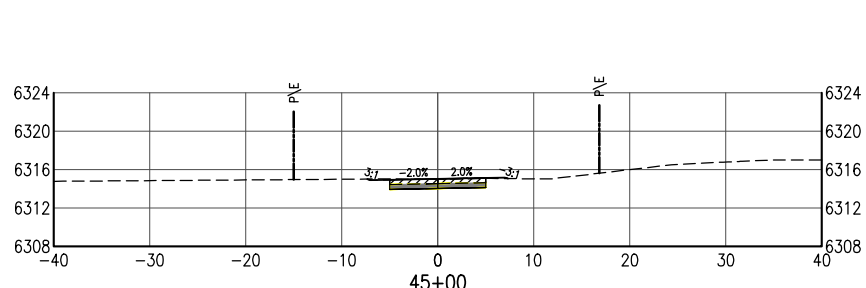
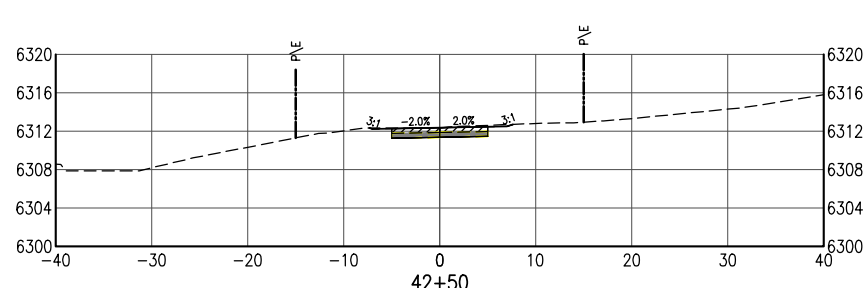
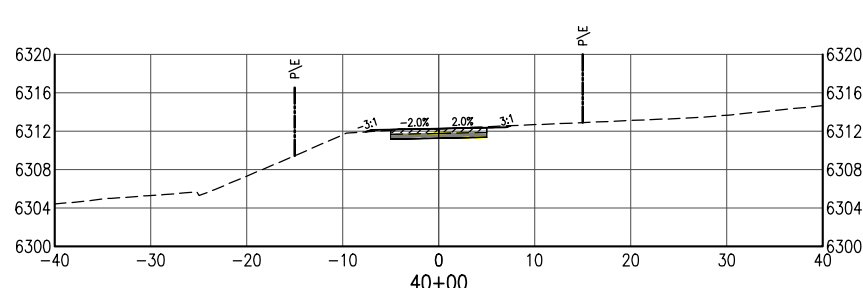
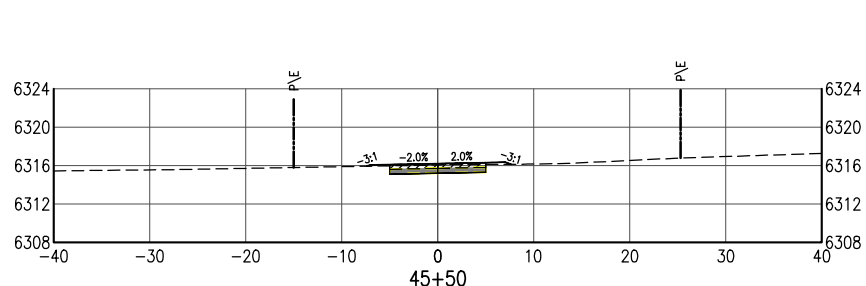
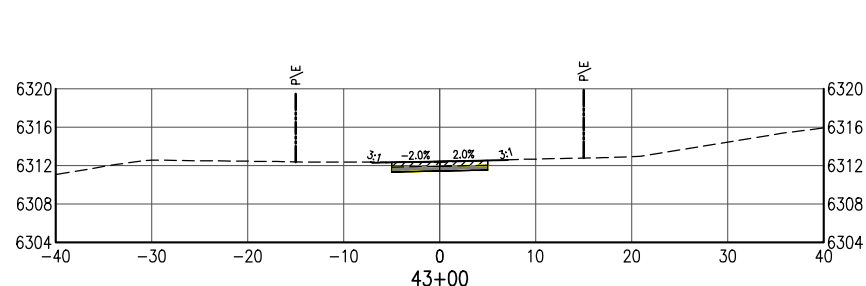
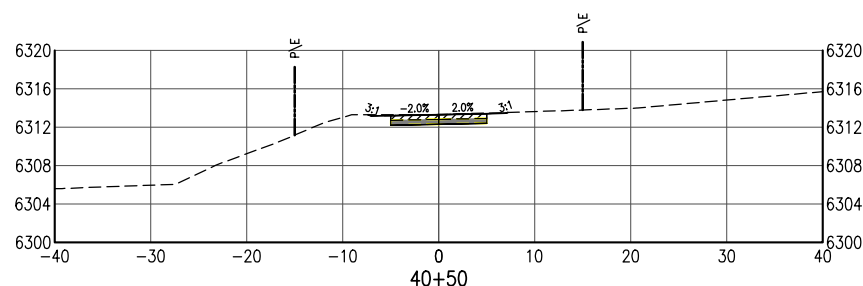
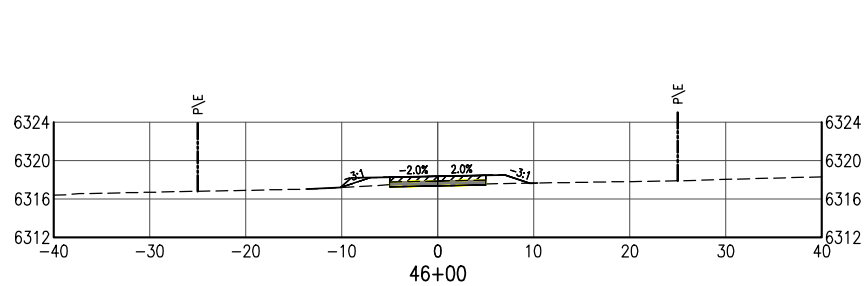
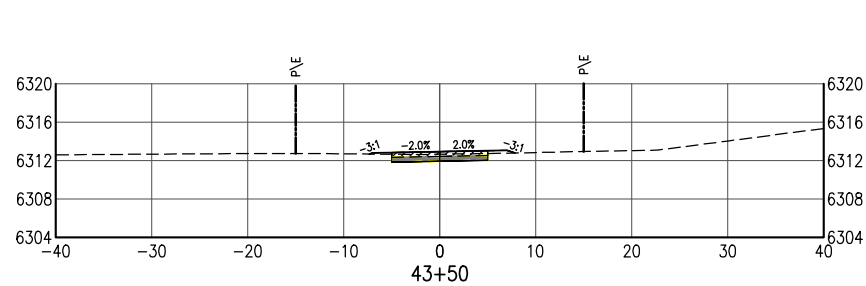
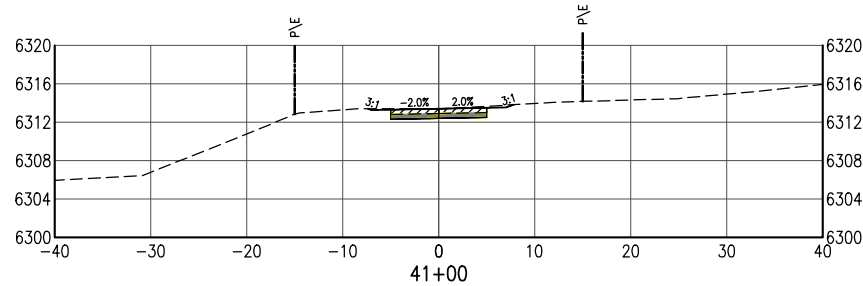
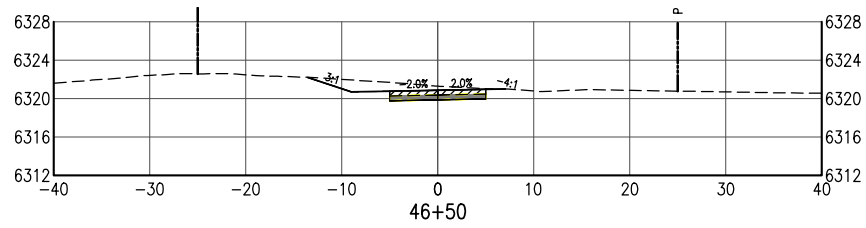
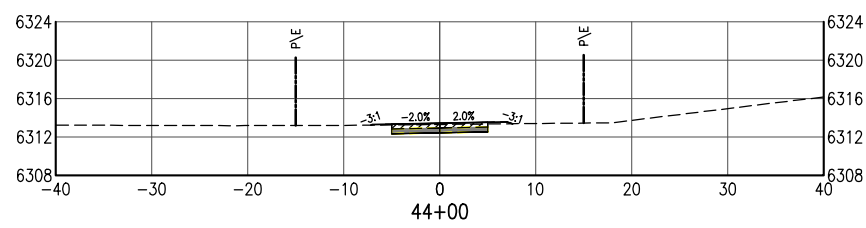
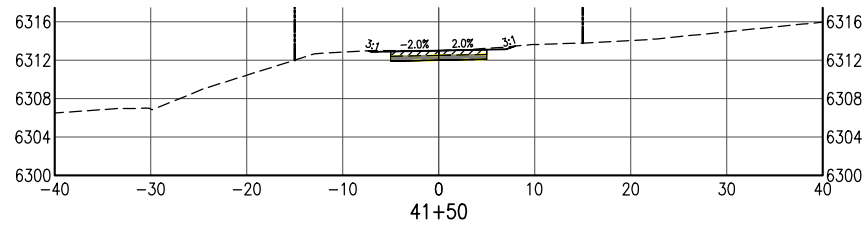
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Project No./Code	Arroyo Hondo Trail
	325-12126
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ARROYO HONDO TRAIL  
CROSS SECTIONS  
(SEGMENT 2)

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Scott J Belonger  
Date: 2023.09.07  
12:24:50-06'00'

Print Date: Sep 05, 2023	
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Unit Information	Unit Leader Initials

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Date:	Comments	Init.



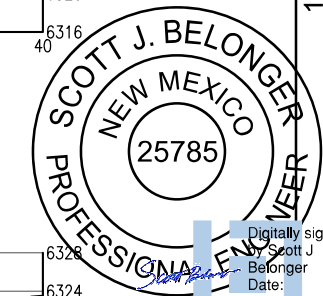
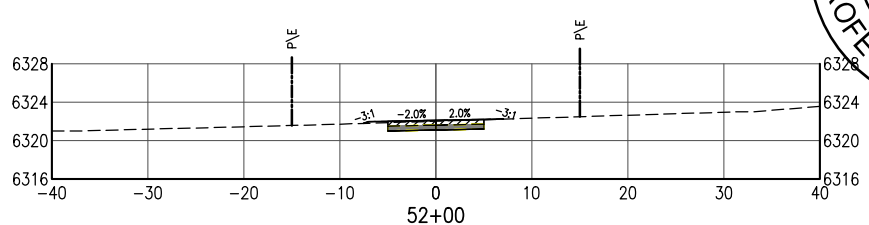
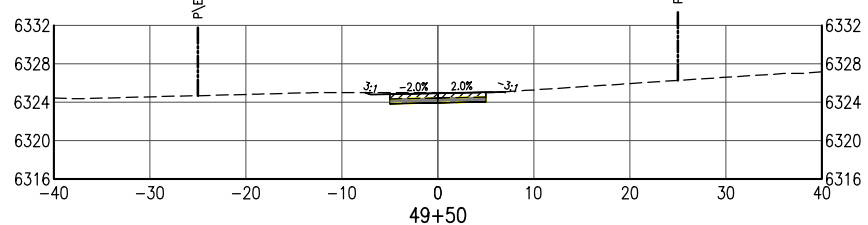
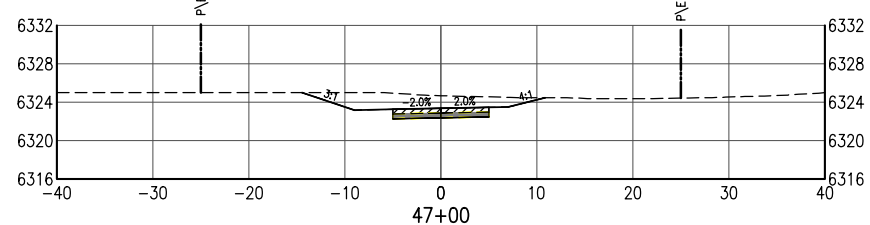
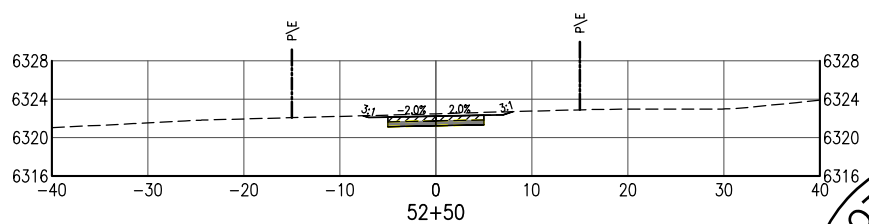
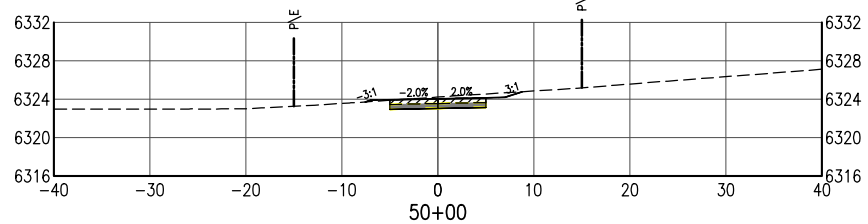
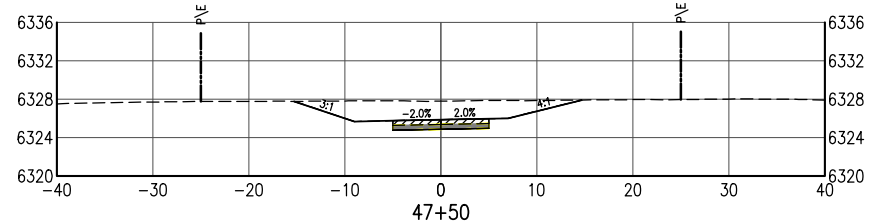
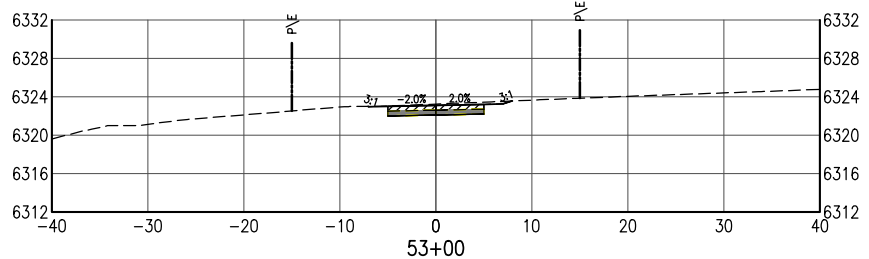
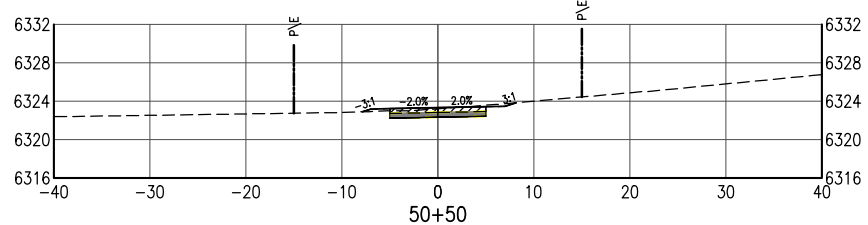
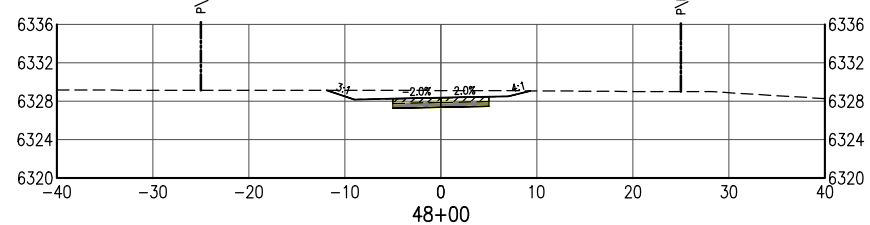
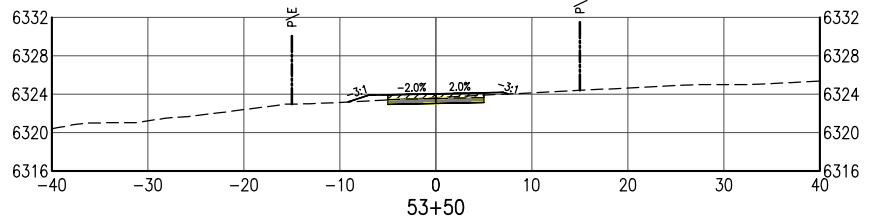
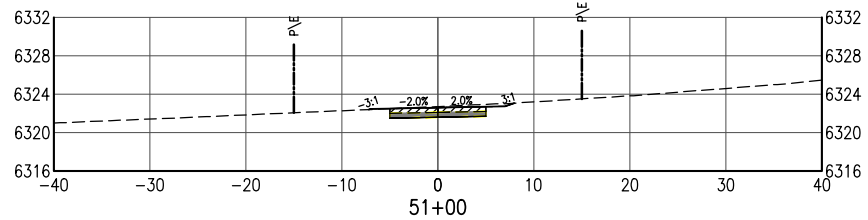
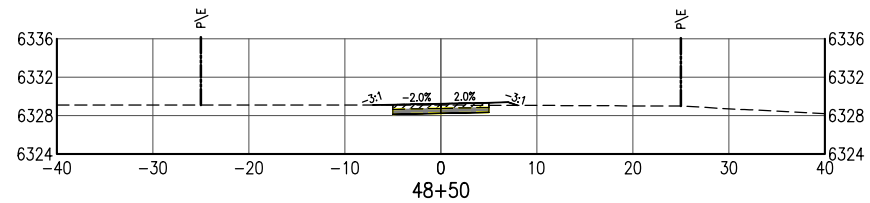
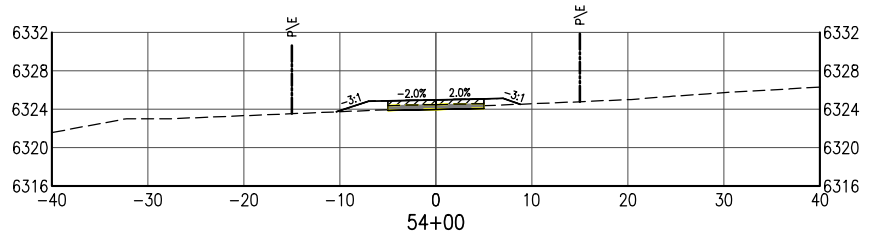
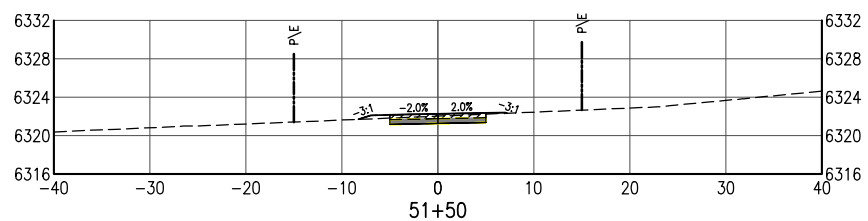
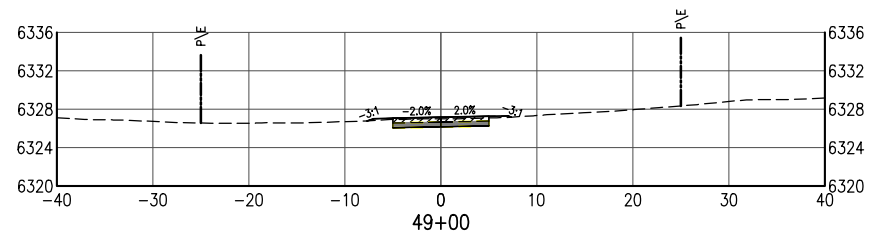
AS Constructed
No Revisions:
Revised:
Void:

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Designer:	SJB	Structure Numbers
Detailer:	LX	
Sheet Subset:	X-4	Subset Sheets: 25

Project No./Code
Arroyo Hondo Trail
325-12126
<b>70</b>

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Date: 2023.09.07 12:25:30-06'00'

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Unit Information	Unit Leader Initials

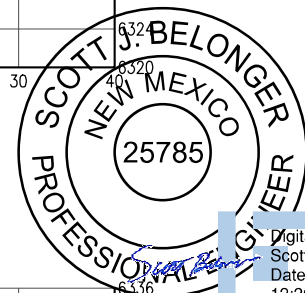
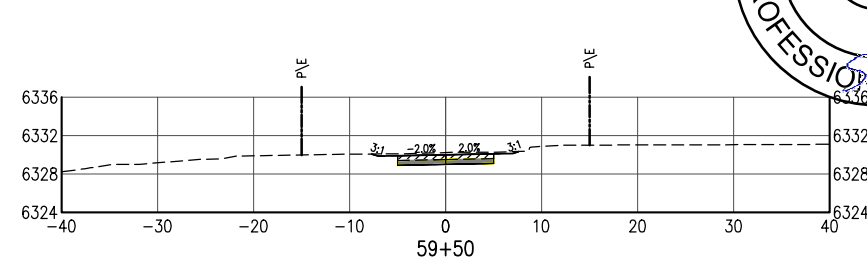
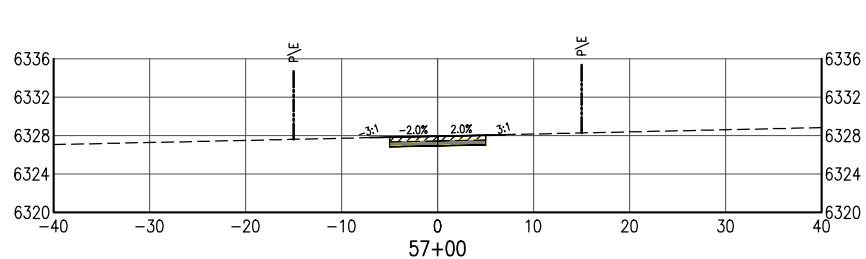
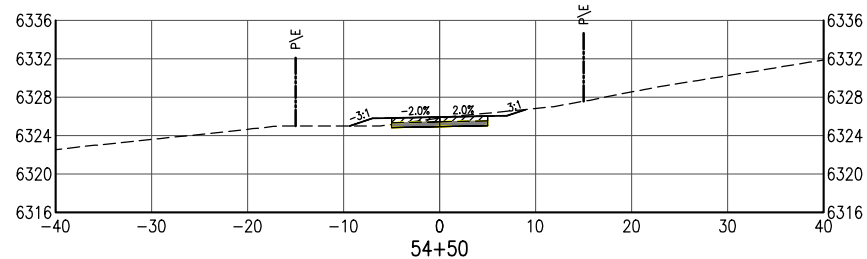
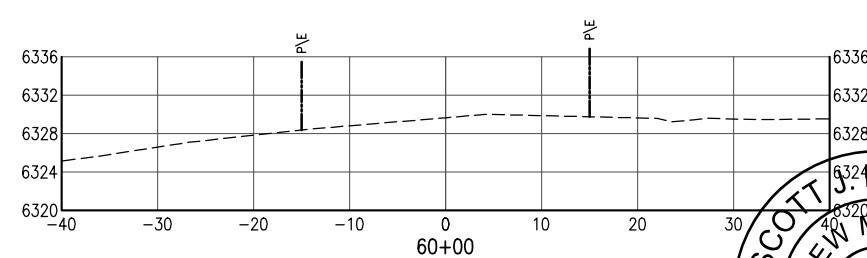
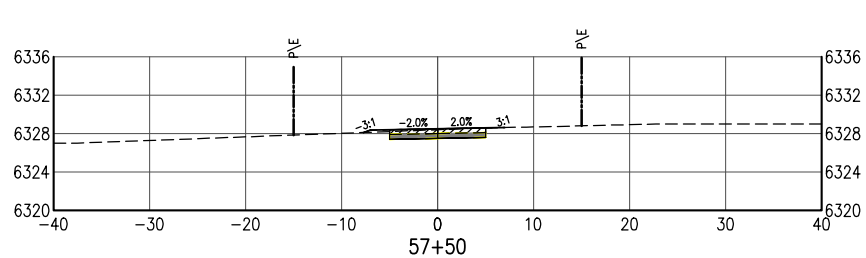
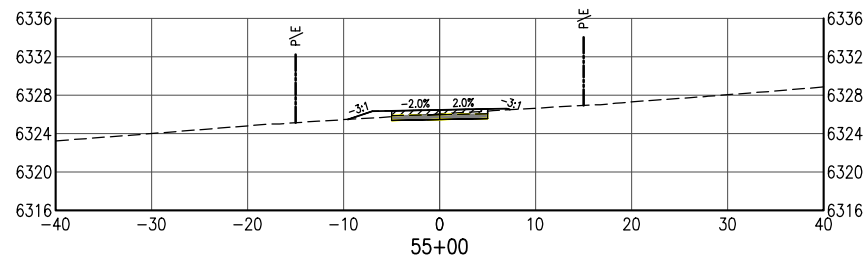
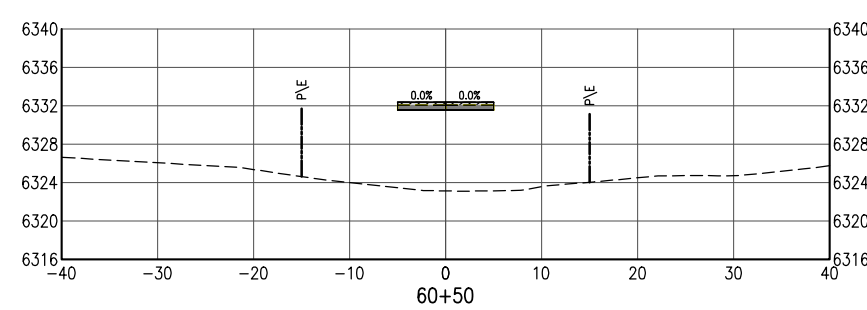
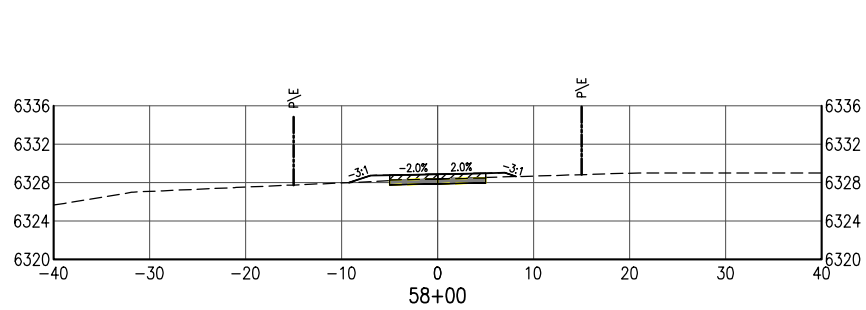
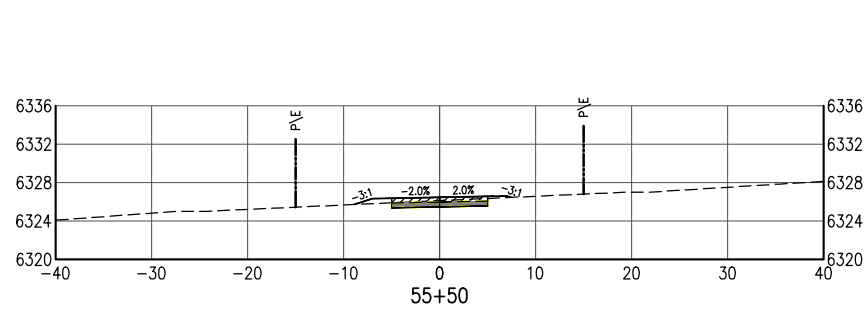
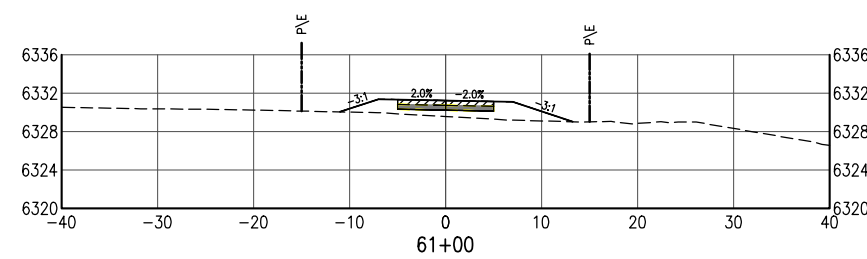
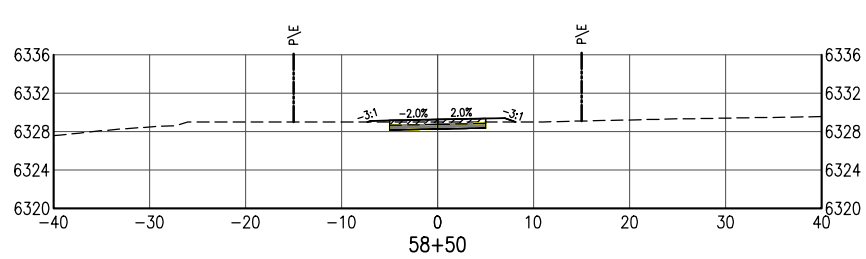
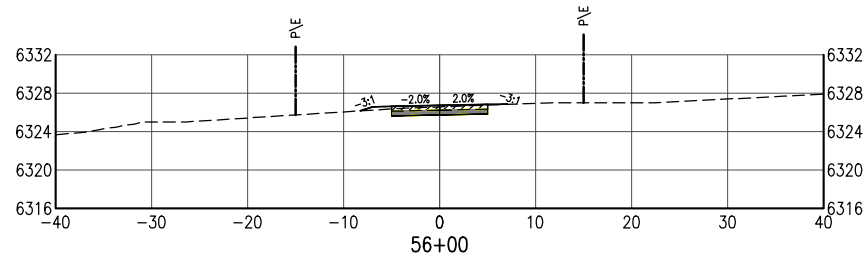
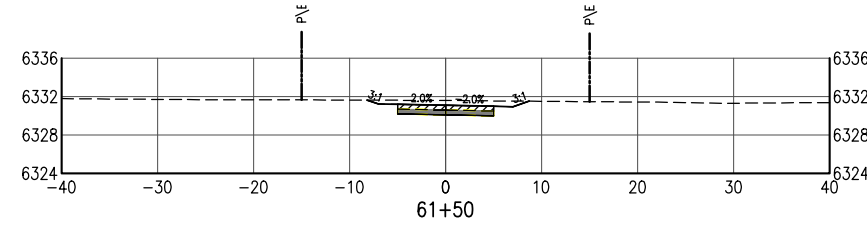
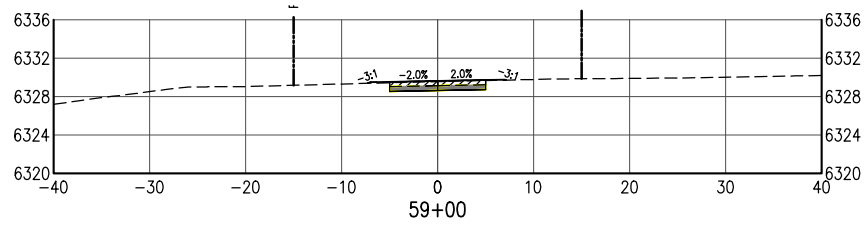
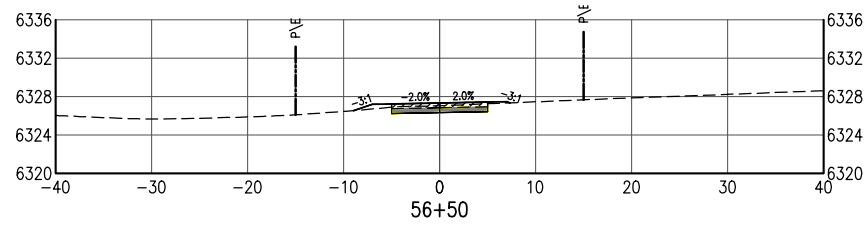
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Date:	Comments	Init.



As Constructed	ARROYO HONDO TRAIL CROSS SECTIONS (SEGMENT 2)	
No Revisions:	Designer: SJB	Structure Numbers
Revised:	Detailer: LX	Subset Sheets: 25
Void:	Sheet Subset: X-5	

Project No./Code
Arroyo Hondo Trail
325-12126
<b>71</b>

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Date: 2023.09.07 12:26:12-06'00'

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Print Date: Sep 05, 2023	
File Name: 20307 (18-27) Cross Sections (Seg2).dwg	
Horiz. Scale:                      Vert. Scale: As Noted	
Unit Information                      Unit Leader Initials	

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Date:	Comments	Init.

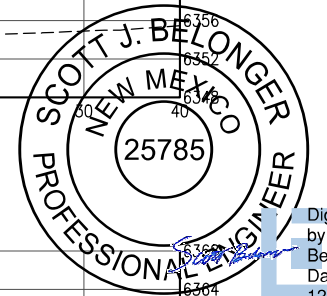
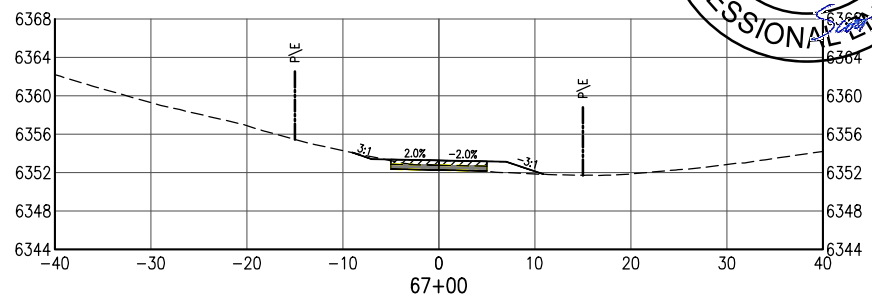
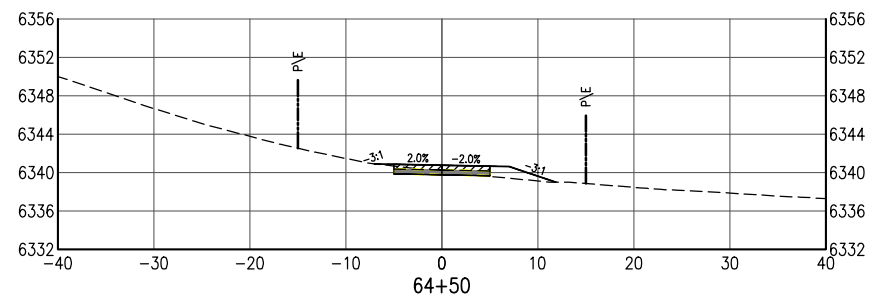
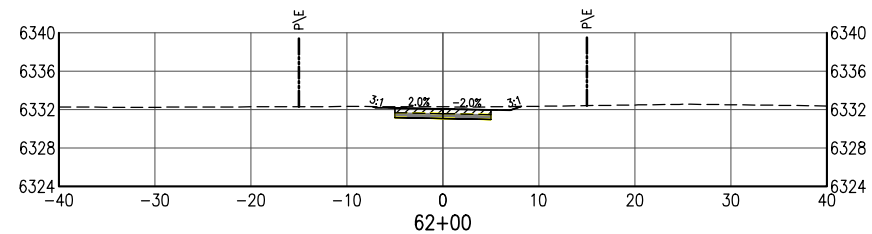
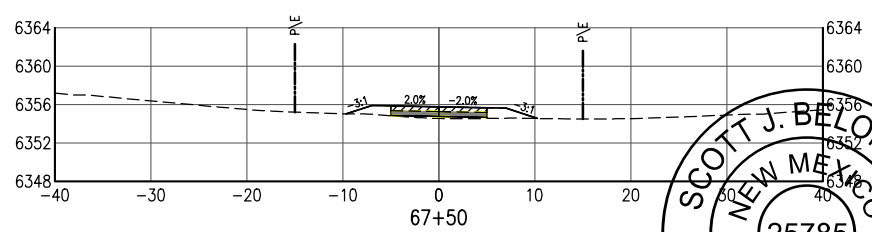
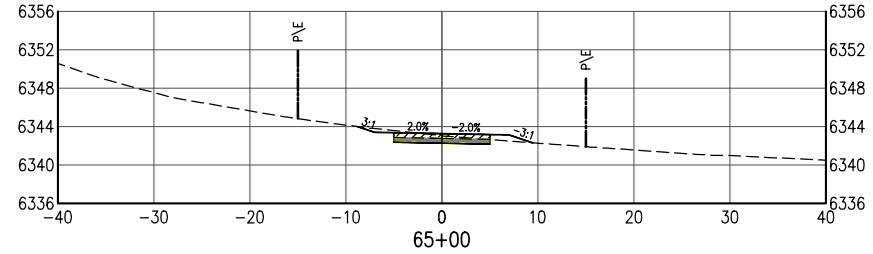
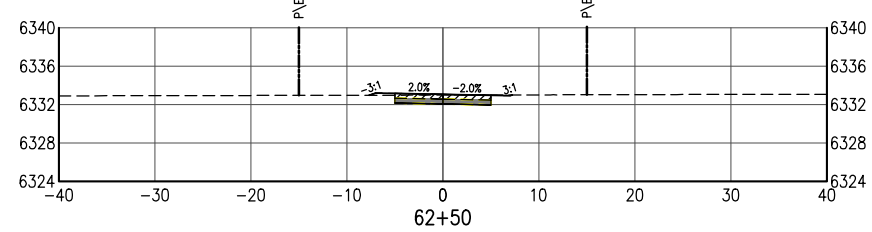
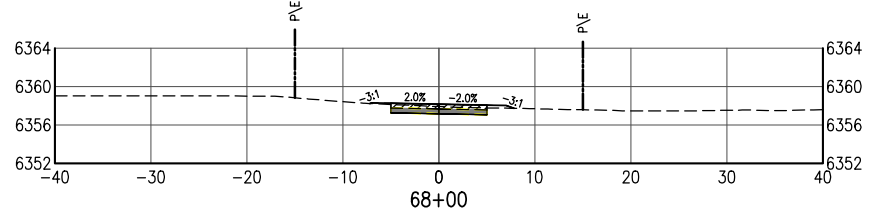
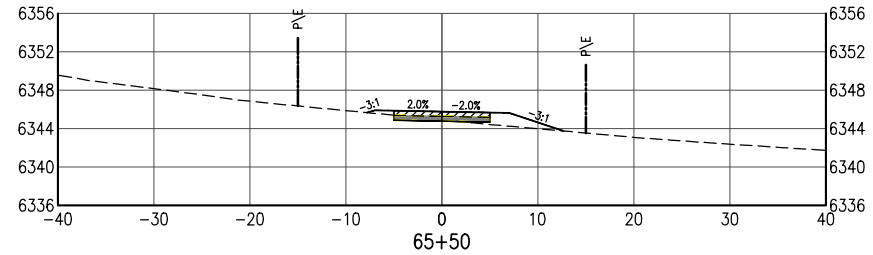
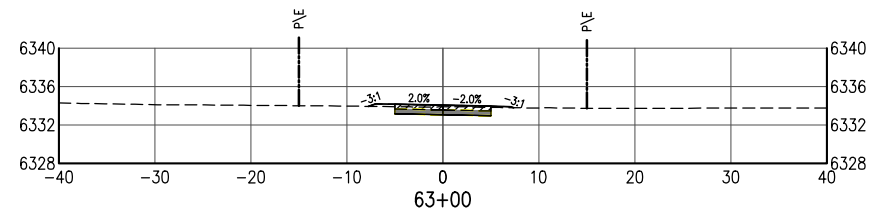
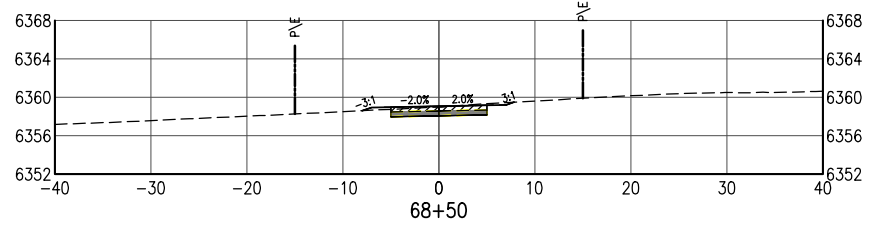
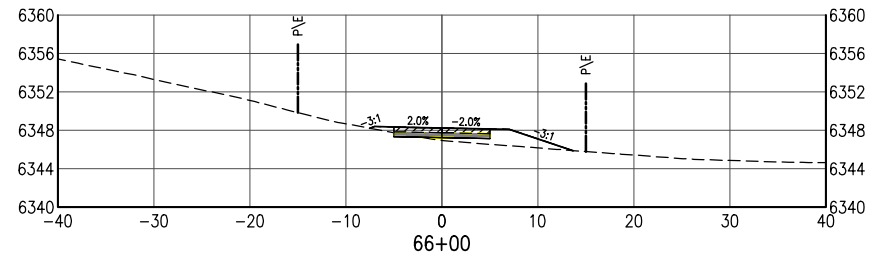
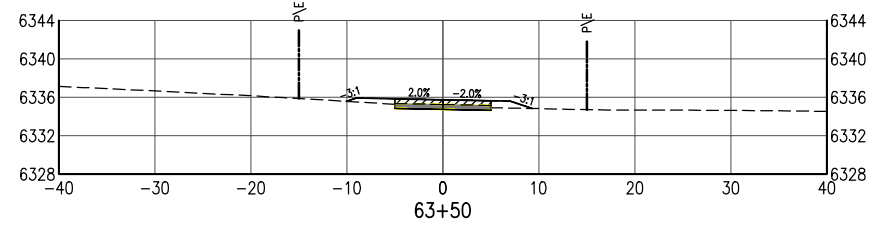
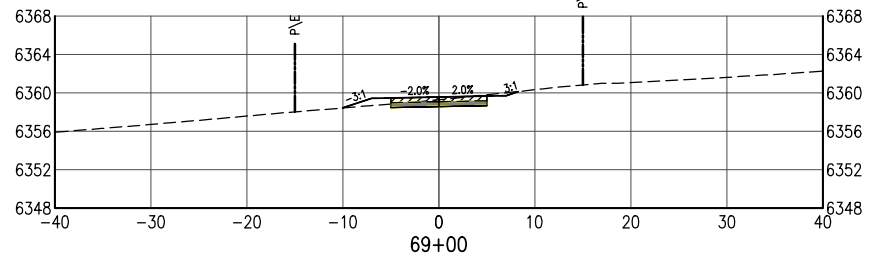
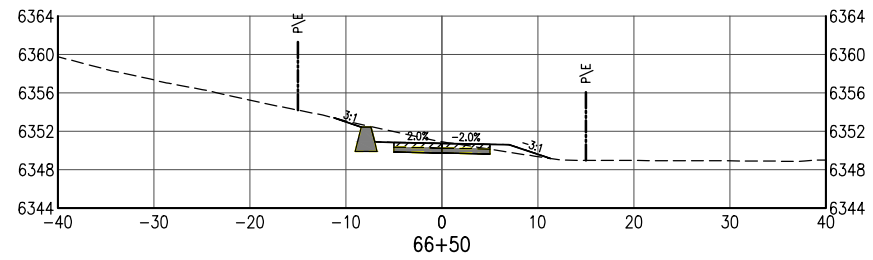
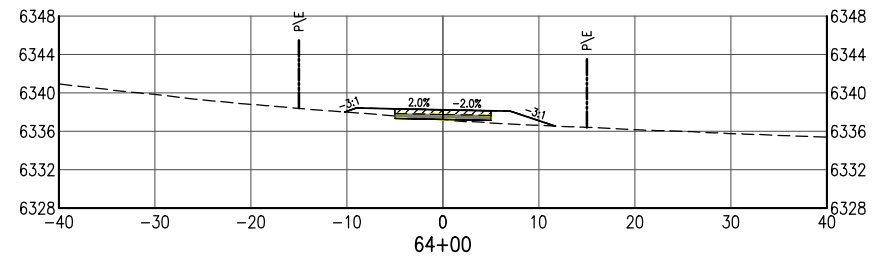


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No Revisions:	Designer: SJB	Structure Numbers	Arroyo Hondo Trail
Revised:	Detailer: LX	Subset Sheets: 25	325-12126
Void:	Sheet Subset: X-6		<b>72</b>

Project No./Code
Arroyo Hondo Trail
325-12126
<b>72</b>



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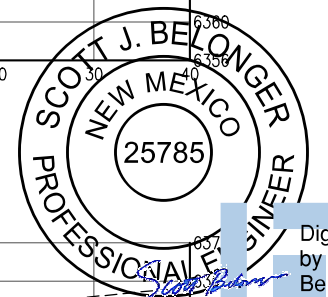
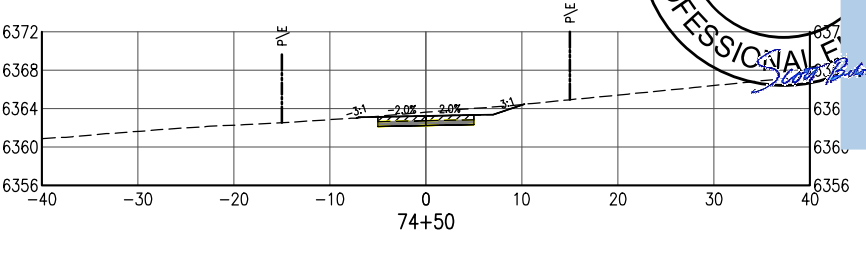
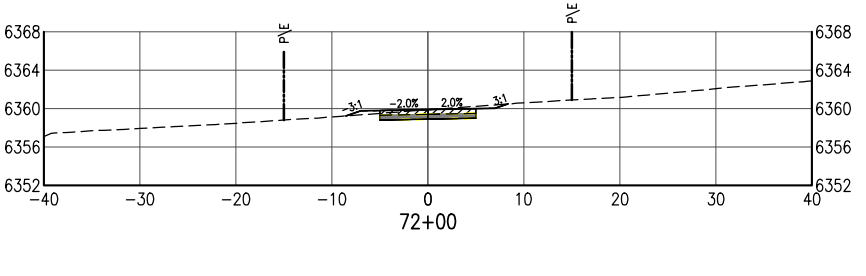
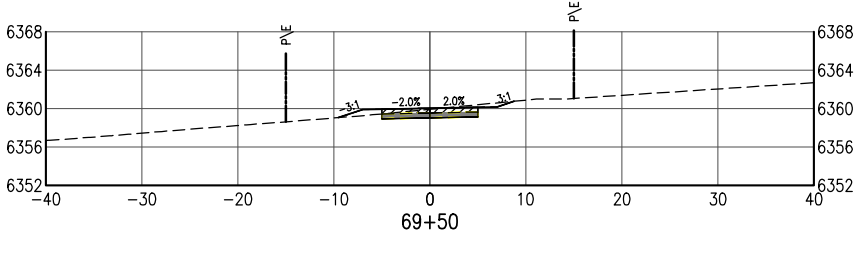
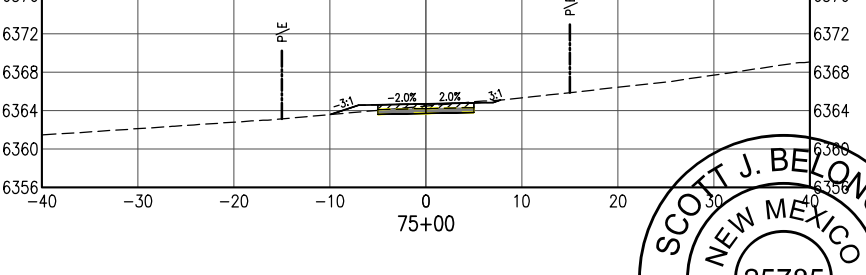
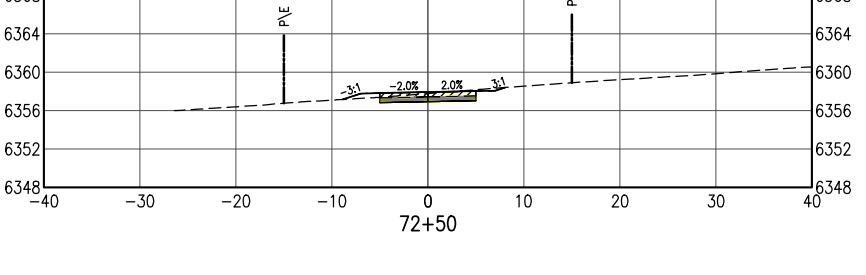
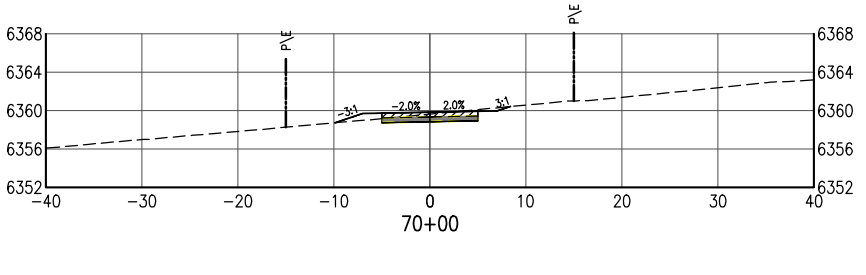
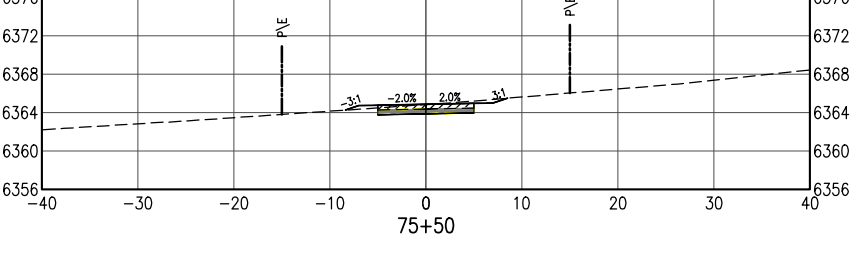
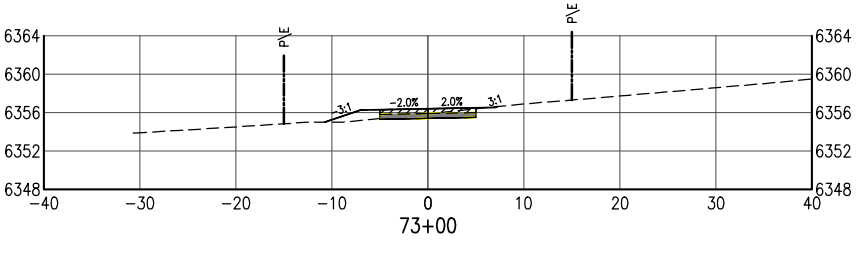
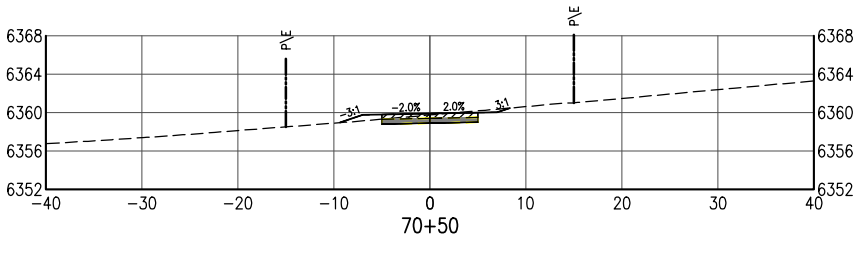
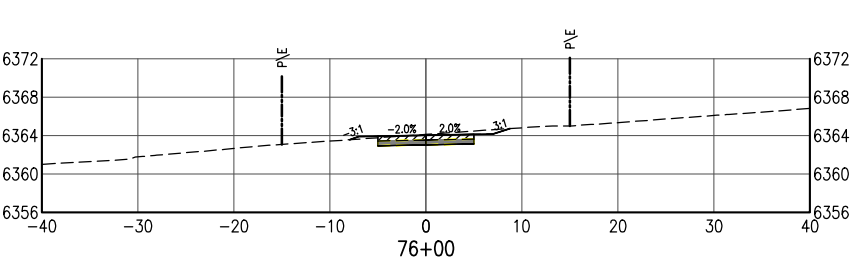
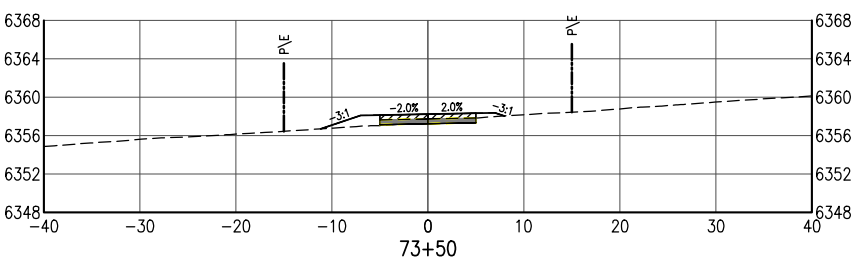
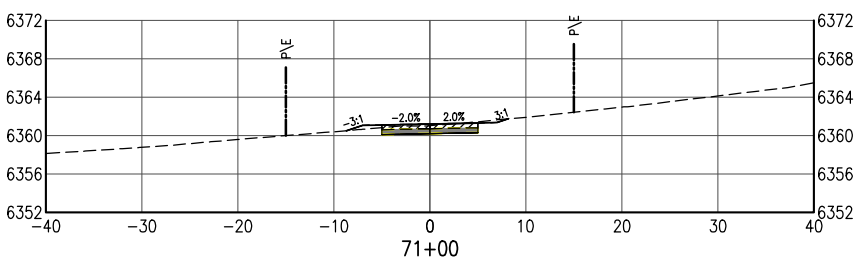
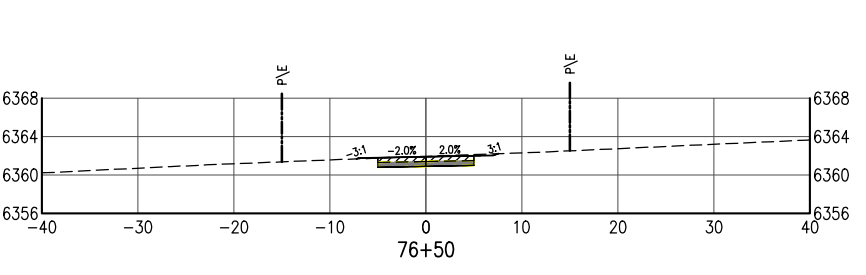
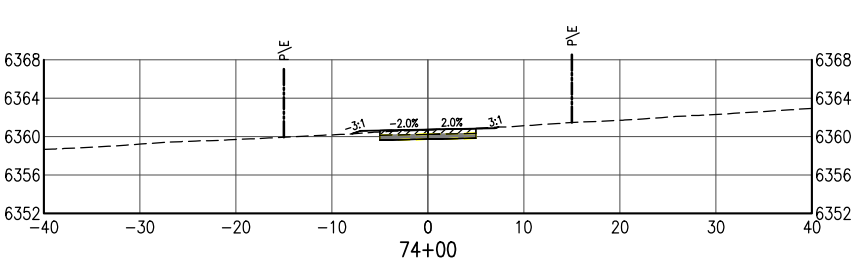
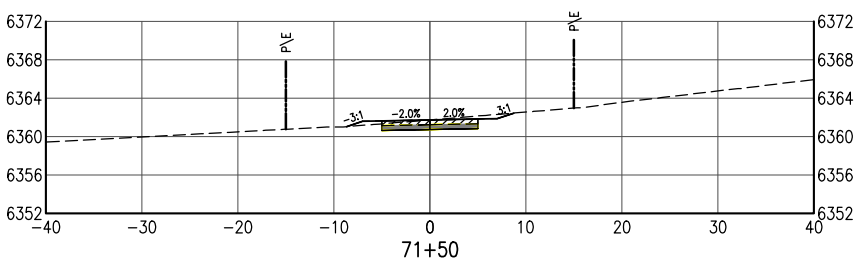


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Print Date: Sep 05, 2023		Sheet Revisions					As Constructed		ARROYO HONDO TRAIL <b>CROSS SECTIONS</b> (SEGMENT 2)		Project No./Code	
File Name: 20307 (18-27) Cross Sections (Seg2).dwg		Date:	Comments	Init.			No Revisions:				Arroyo Hondo Trail	
Horiz. Scale:                      Vert. Scale: As Noted					Revised:	Designer: SJB	Structure Numbers	325-12126				
Unit Information                      Unit Leader Initials					Void:	Detailer: LX	Subset Sheets:	73				
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100% CONSTRUCTION PLANS - SEPTEMBER 2023

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Unit Information	Unit Leader Initials

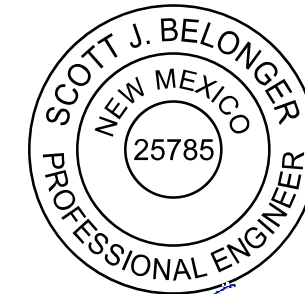
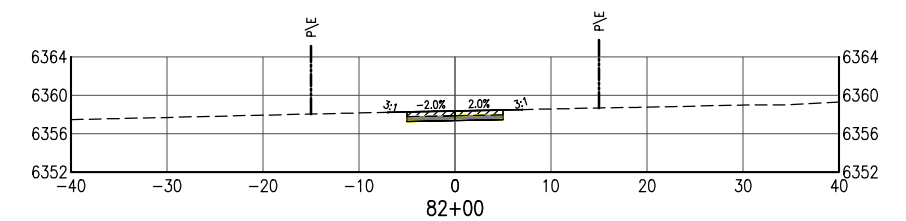
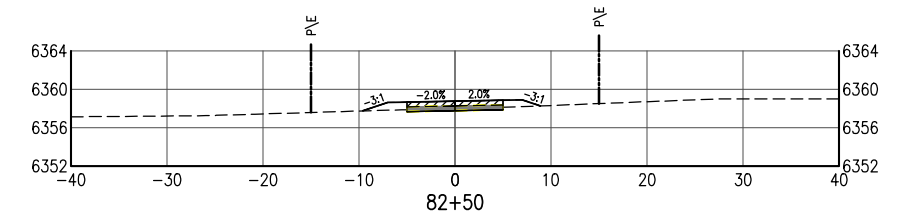
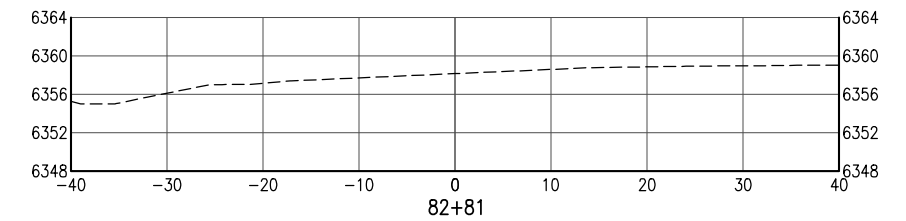
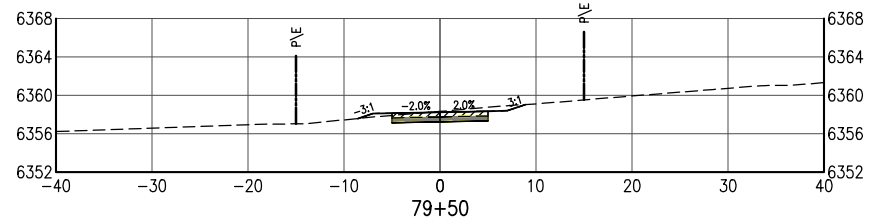
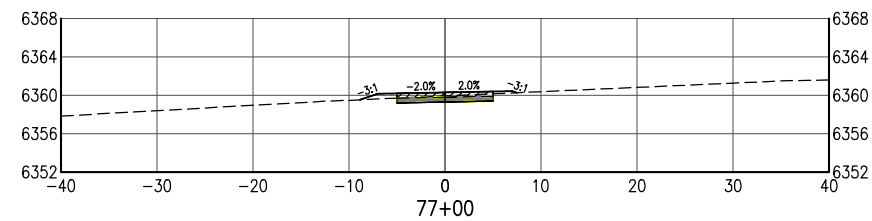
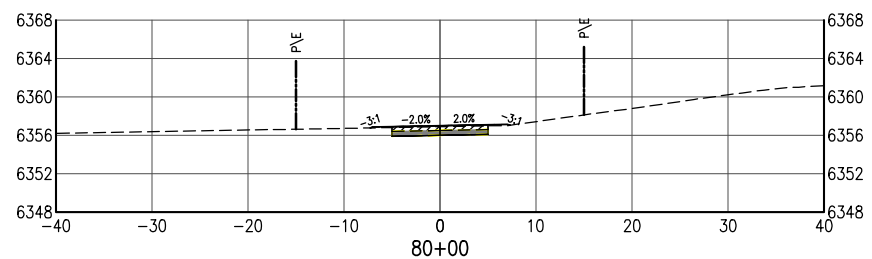
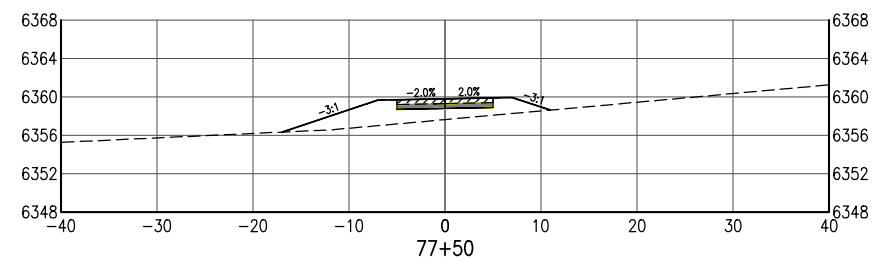
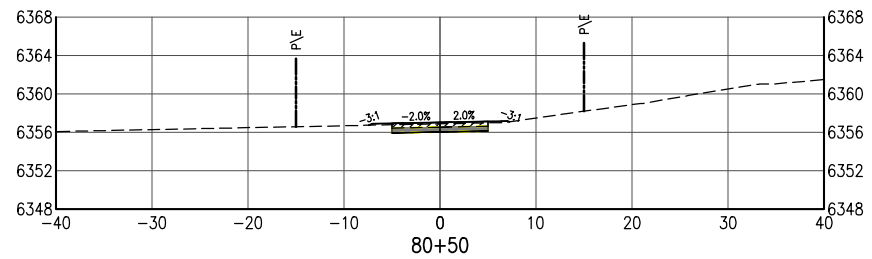
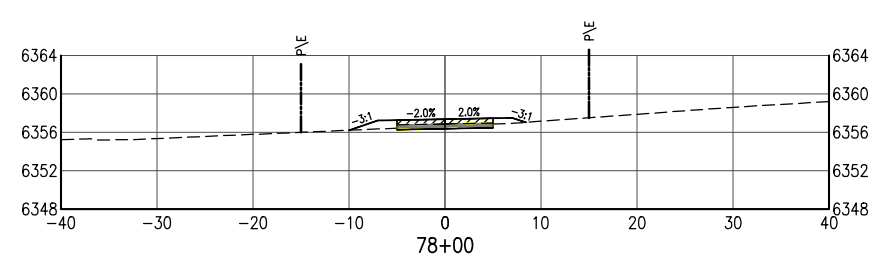
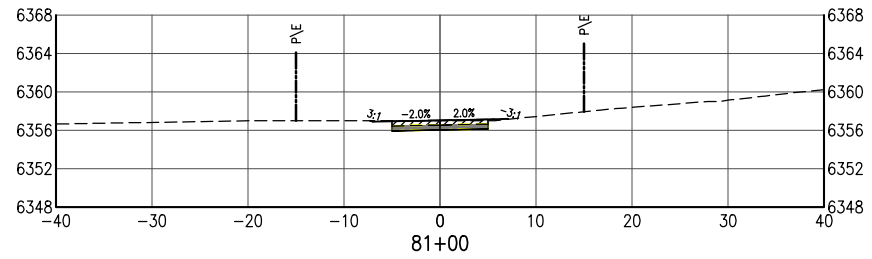
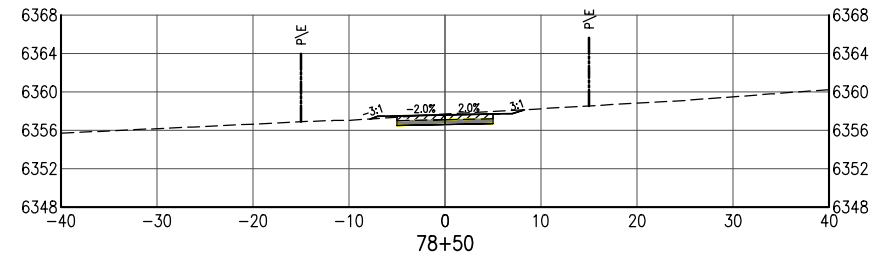
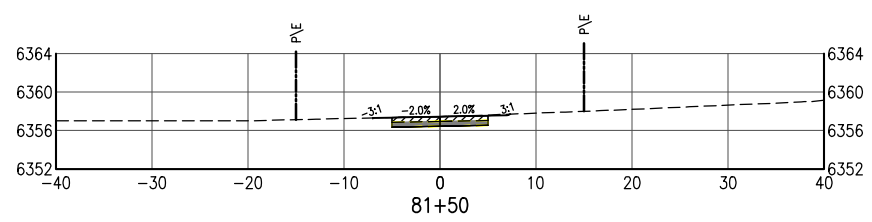
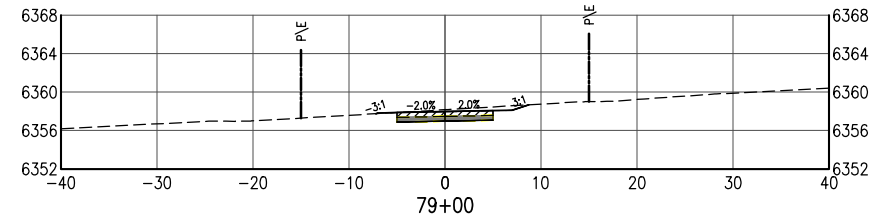
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Date:	Comments	Init.



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No Revisions:		Designer: SJB	Structure Numbers	Arroyo Hondo Trail	
Revised:		Detailer: LX		325-12126	
Void:		Sheet Subset: X-8	Subset Sheets: 25	74	

Project No./Code	Arroyo Hondo Trail
	325-12126
	74

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Date:  
2023.09.07  
12:28:03-06'00'

Print Date: Sep 05, 2023  
File Name: 20307 (18-27) Cross Sections (Seg2).dwg  
Horiz. Scale: Vert. Scale: As Noted  
Unit Information Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.



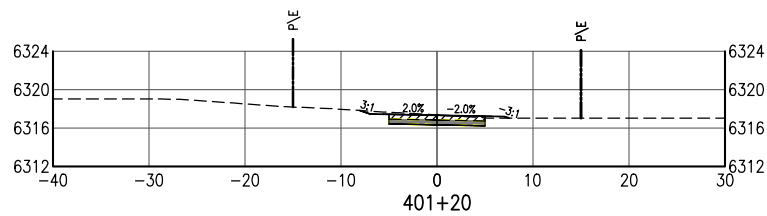
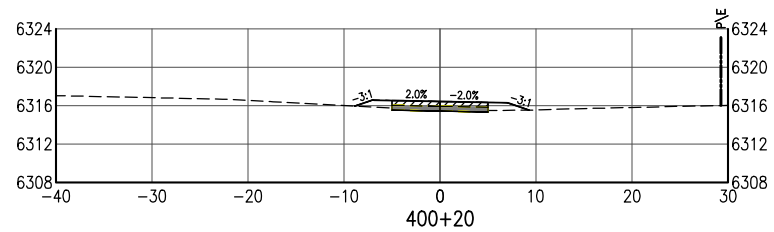
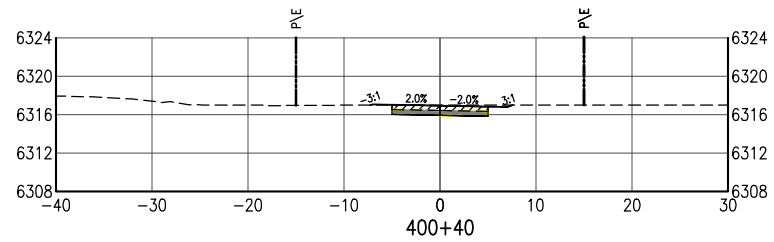
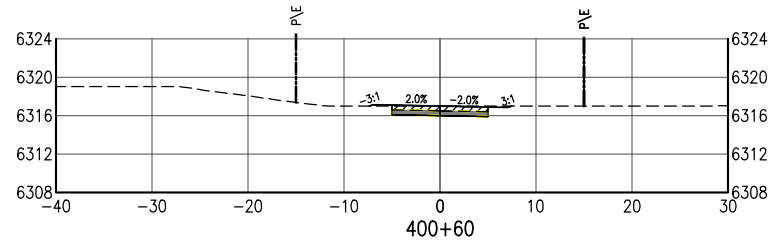
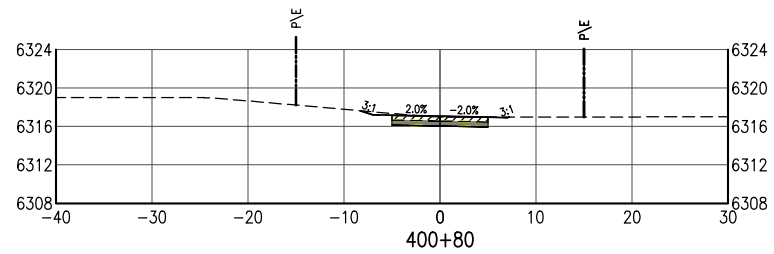
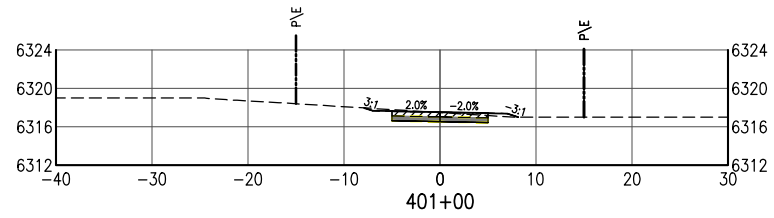
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ARROYO HONDO TRAIL  
CROSS SECTIONS  
(SEGMENT 2)  
Designer: SJB  
Detailer: LX  
Sheet Subset: X-9  
Structure Numbers  
Subset Sheets: 25

Project No./Code  
Arroyo Hondo Trail  
325-12126  
**75**

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Date:  
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Print Date: Sep 05, 2023  
File Name: 20307 (18-27) Cross Sections (Seg2).dwg  
Horiz. Scale:                      Vert. Scale: As Noted  
Unit Information                      Unit Leader Initials



Sheet Revisions

Date:	Comments	Init.



As Constructed

No Revisions:

Revised:

Void:

ARROYO HONDO TRAIL  
CROSS SECTIONS  
(SEGMENT 2 SPUR)

Designer:	SJB	Structure Numbers	
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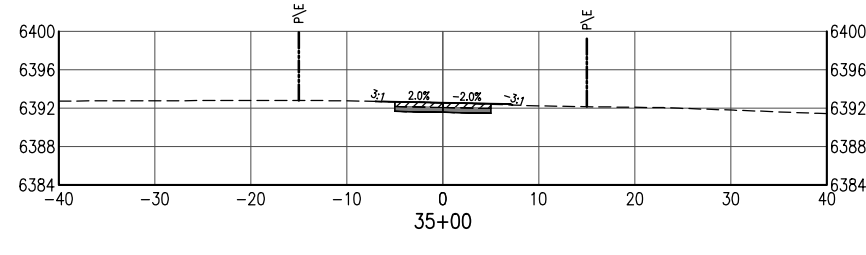
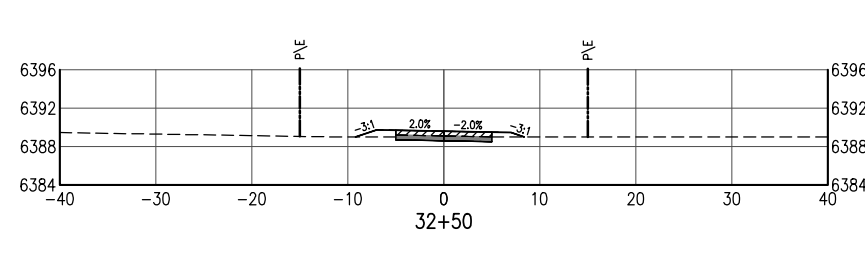
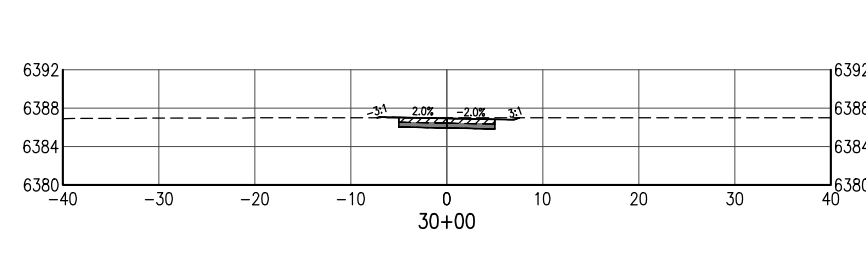
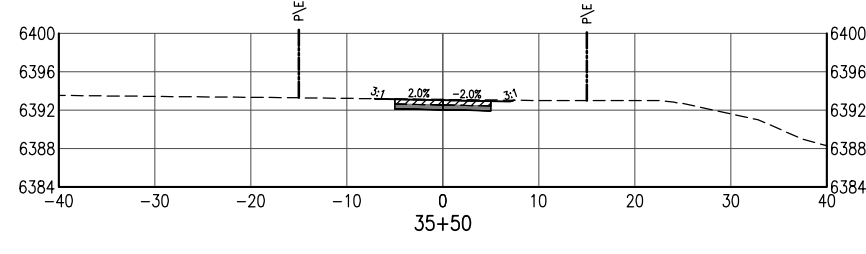
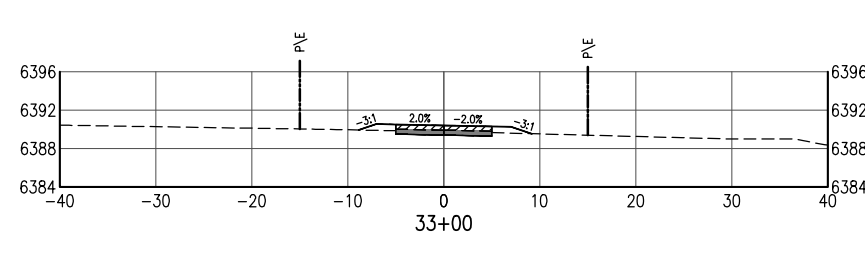
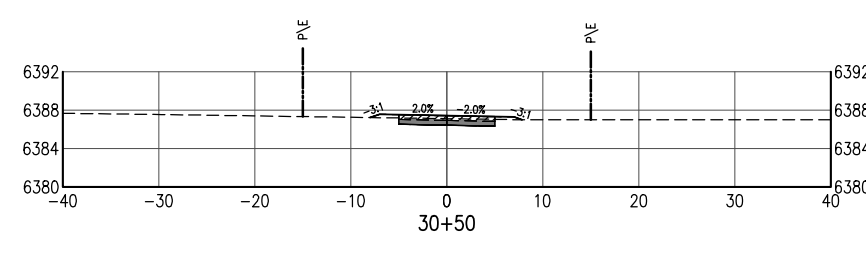
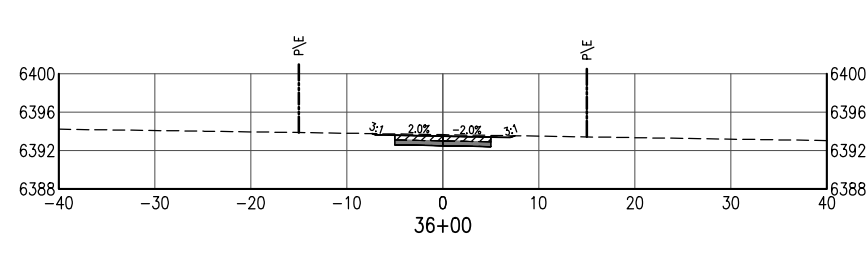
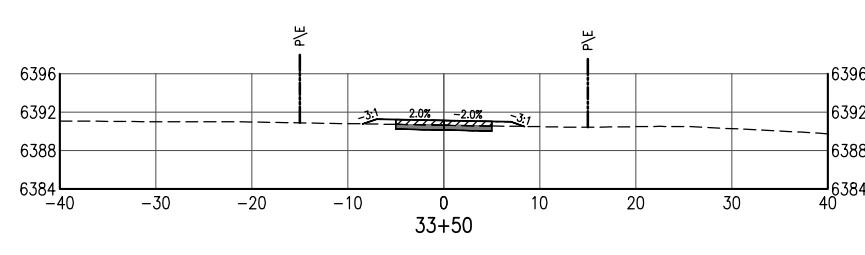
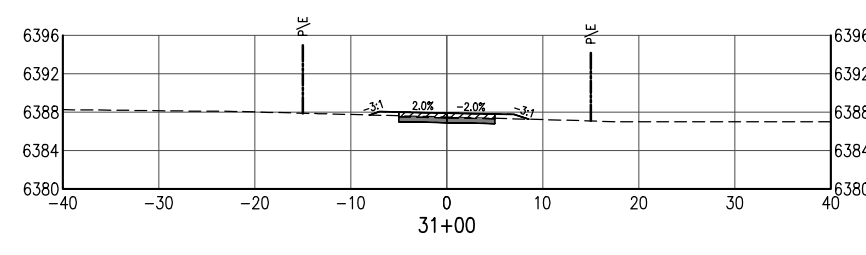
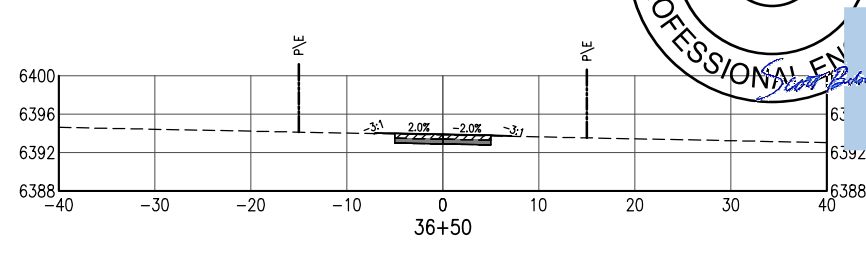
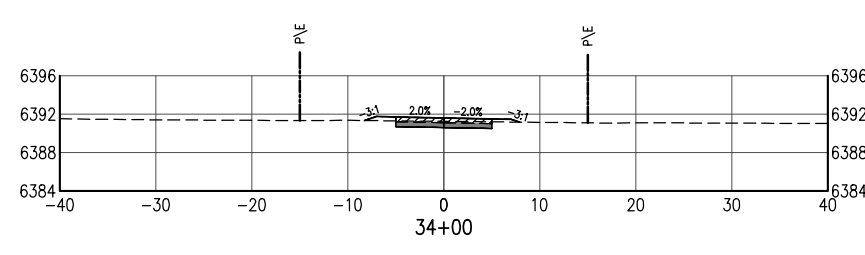
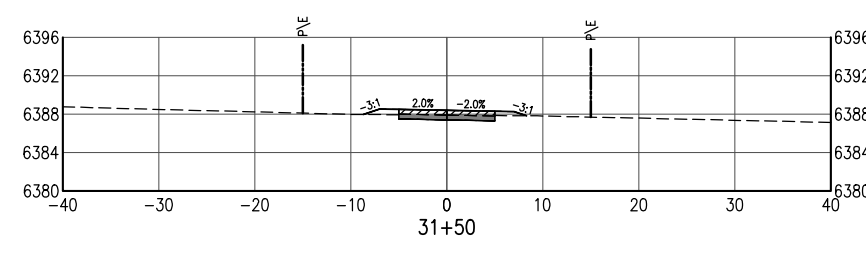
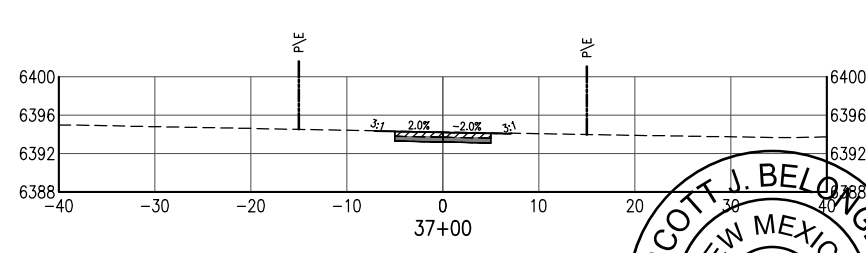
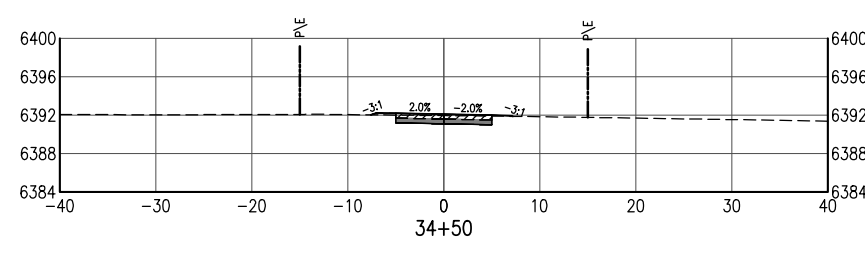
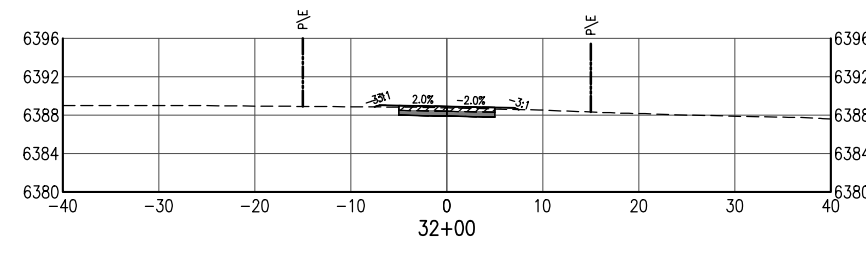
Project No./Code

Arroyo Hondo Trail

325-12126

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Date: 2023.09.07  
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Print Date: Sep 05, 2023	
File Name: 20307 (16-27) Cross Sections (Seg3).dwg	
Horiz. Scale:	Vert. Scale: As Noted
Unit Information	Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.

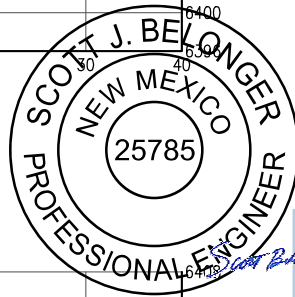
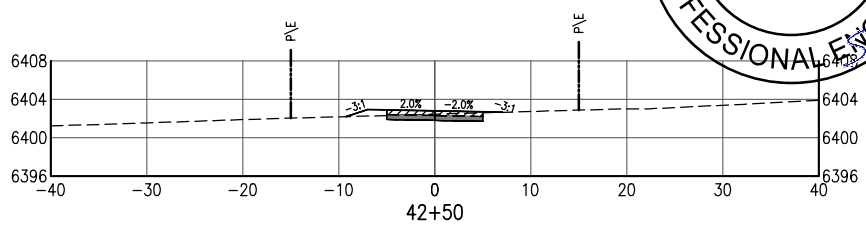
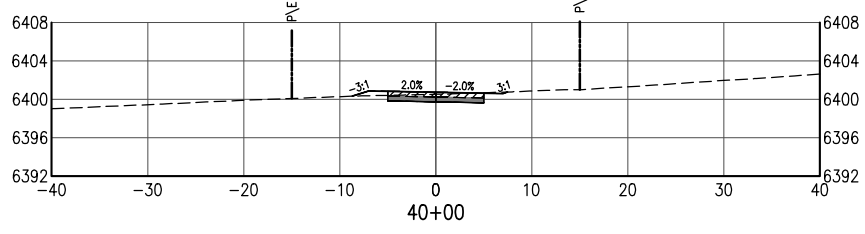
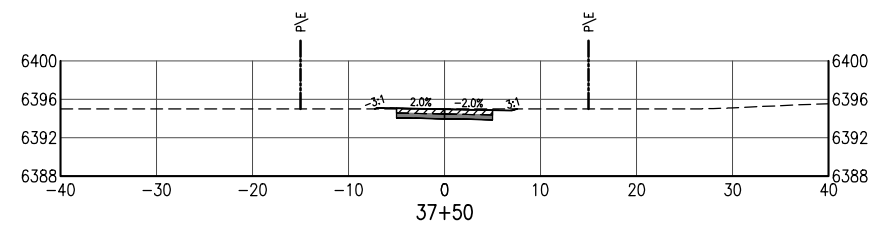
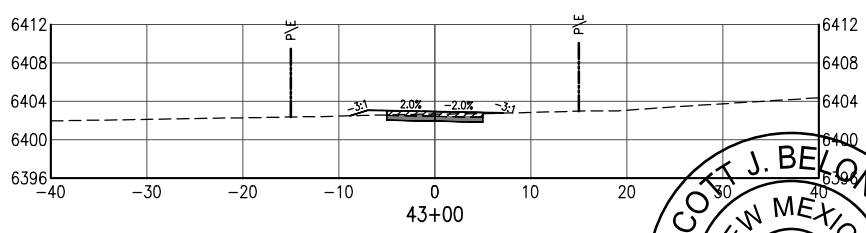
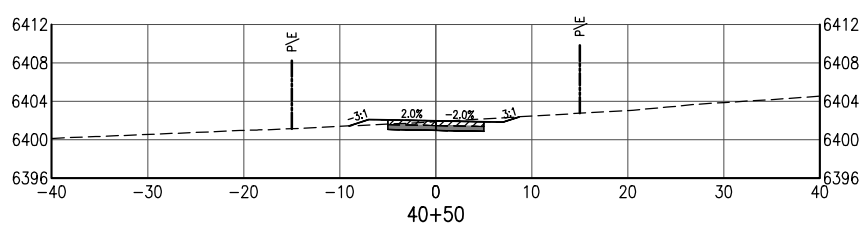
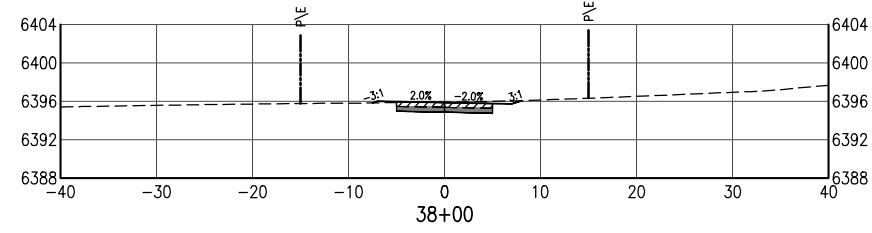
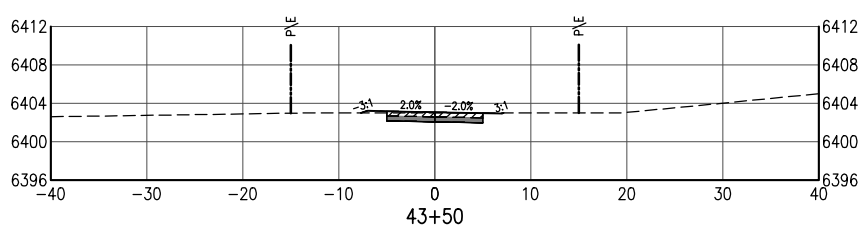
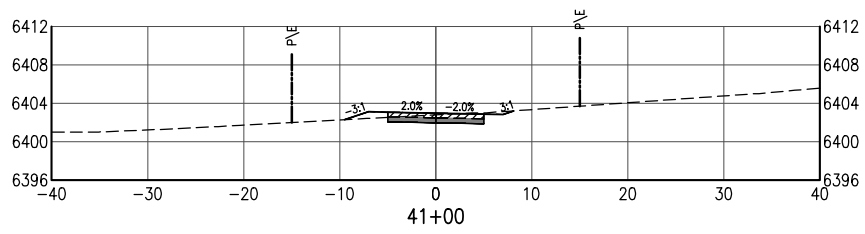
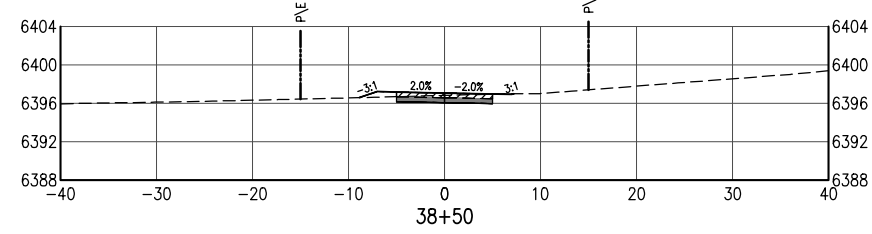
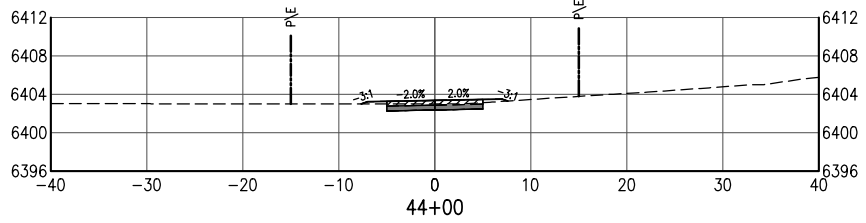
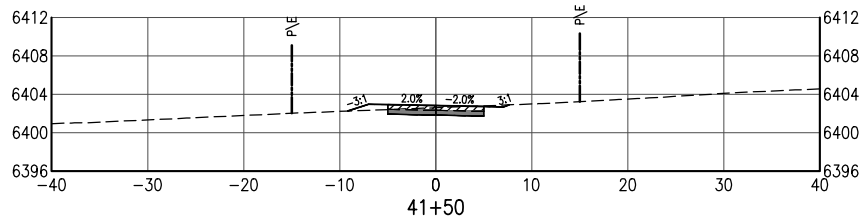
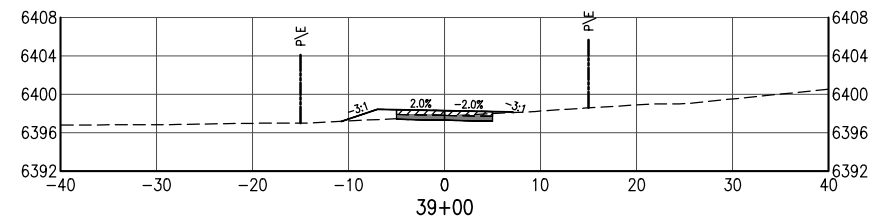
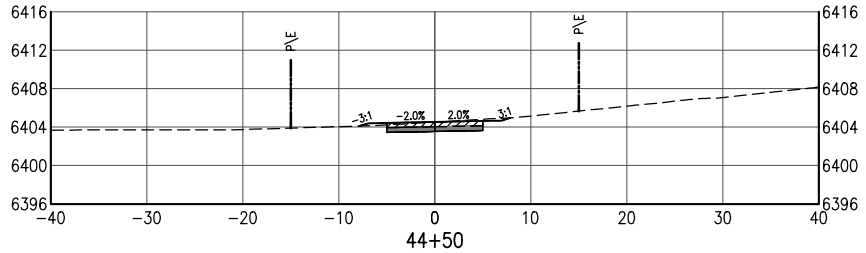
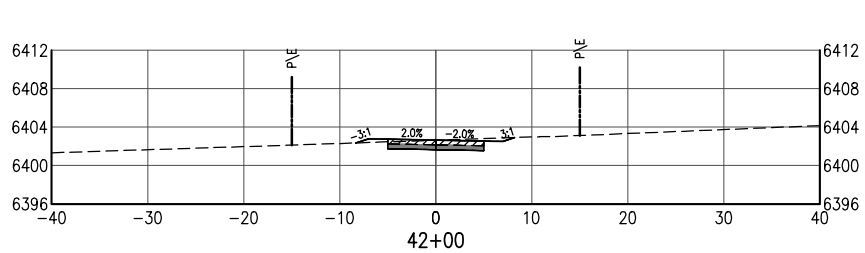
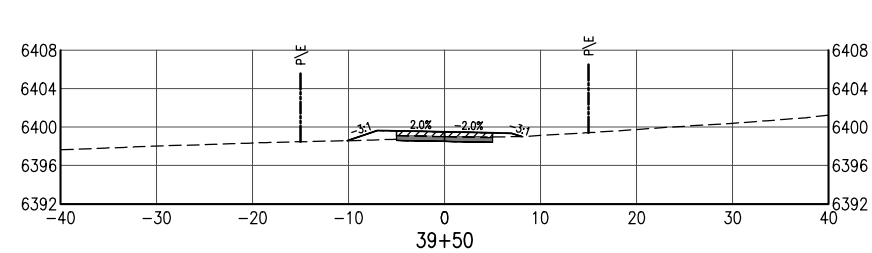


As Constructed
No Revisions:
Revised:
Void:

ARROYO HONDO TRAIL CROSS SECTIONS (SEGMENT 3)			
Designer:	SJB	Structure	
Detailer:	LX	Numbers	
Sheet Subset:	X-11	Subset Sheets:	25

Project No./Code
Arroyo Hondo Trail
325-12126
77

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Date: 2023.09.07 12:29:31-06'00'

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Horiz. Scale:	Vert. Scale: As Noted
Unit Information	Unit Leader Initials

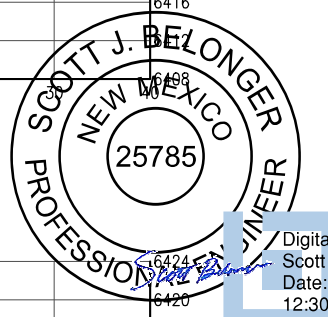
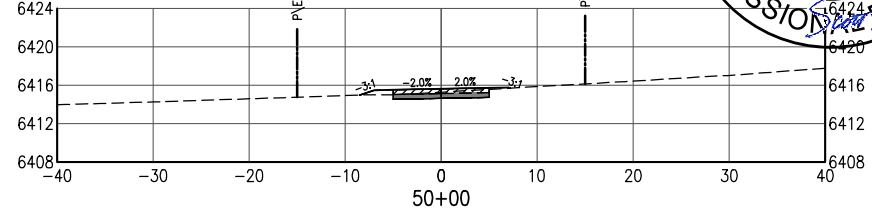
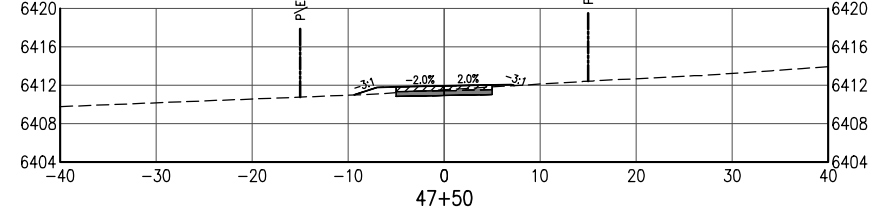
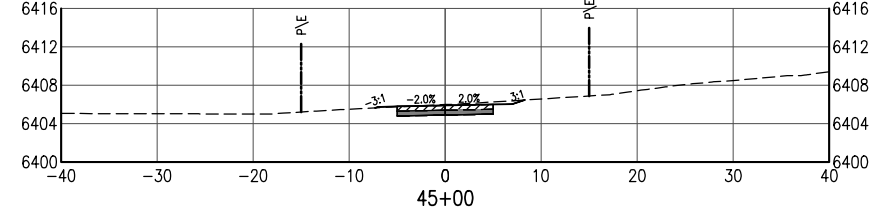
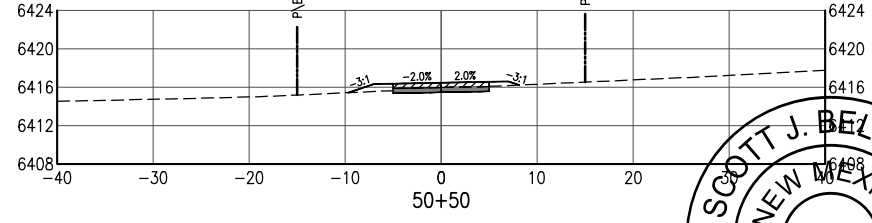
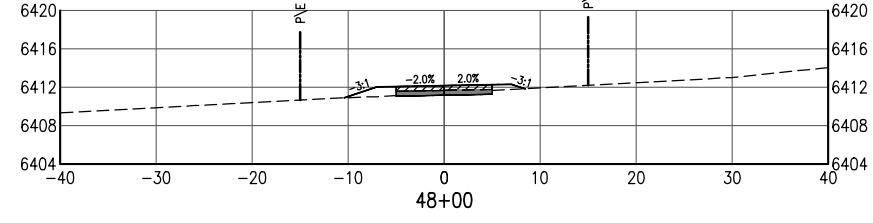
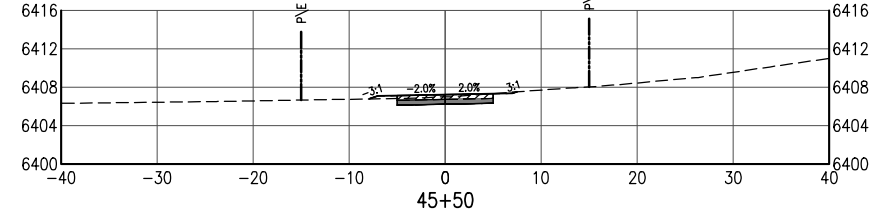
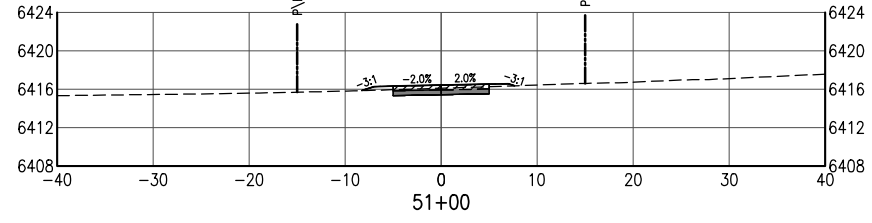
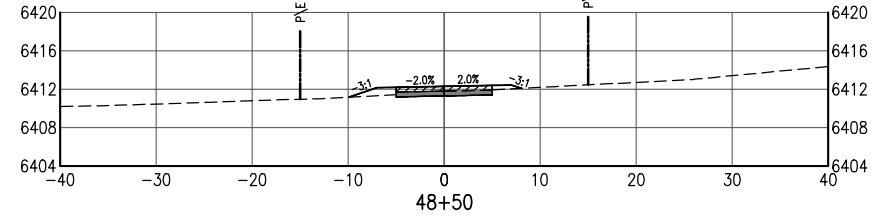
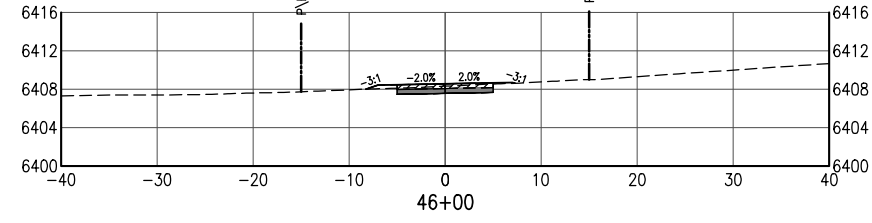
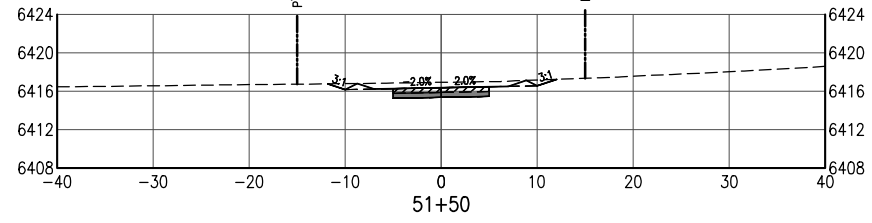
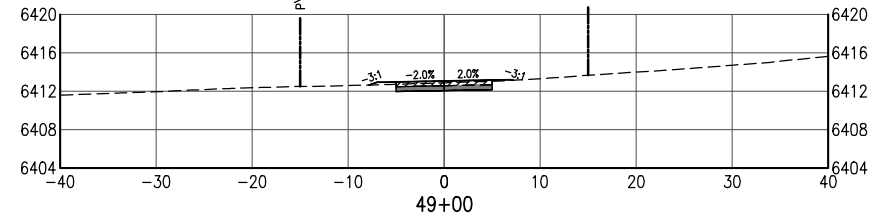
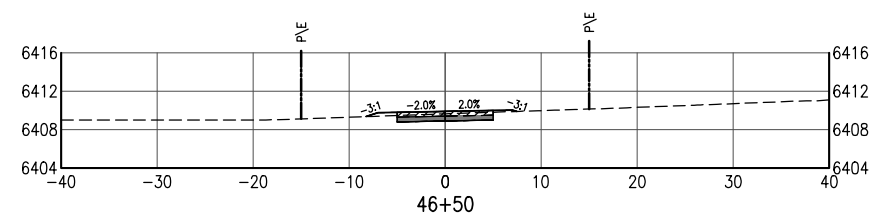
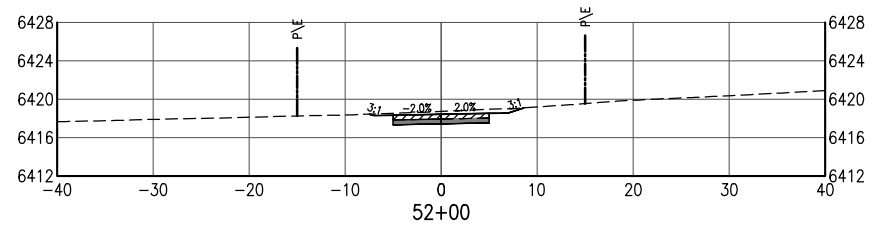
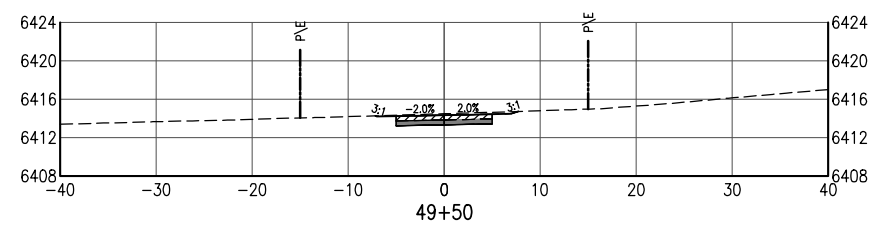
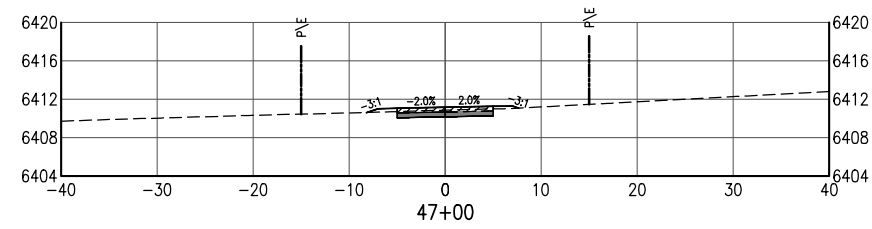
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Date:	Comments	Init.



As Constructed	ARROYO HONDO TRAIL CROSS SECTIONS (SEGMENT 3)		Project No./Code
No Revisions:	Designer: SJB	Structure Numbers	Arroyo Hondo Trail
Revised:	Detailer: LX		325-12126
Void:	Sheet Subset: X-12	Subset Sheets: 25	<b>78</b>

Project No./Code
Arroyo Hondo Trail
325-12126
<b>78</b>

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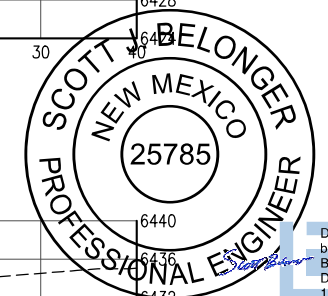
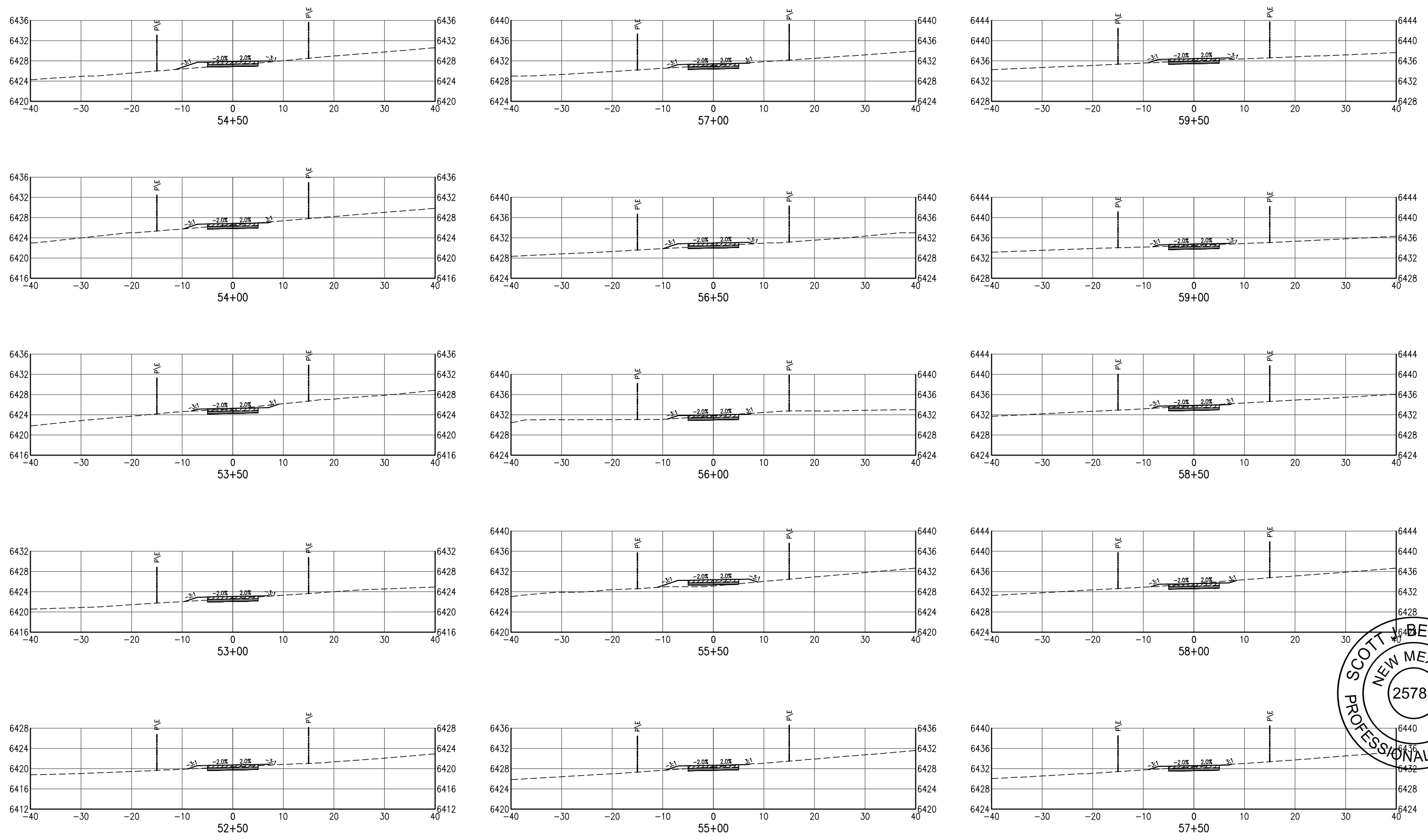


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Print Date: Sep 05, 2023		Sheet Revisions			 	As Constructed		ARROYO HONDO TRAIL <b>CROSS SECTIONS</b> (SEGMENT 3)		Project No./Code	
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100% CONSTRUCTION PLANS - SEPTEMBER 2023

Print Date: Sep 05, 2023	
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Horiz. Scale:	Vert. Scale: As Noted
Unit Information	Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.

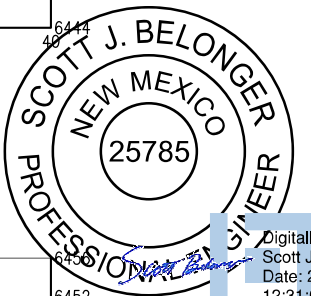
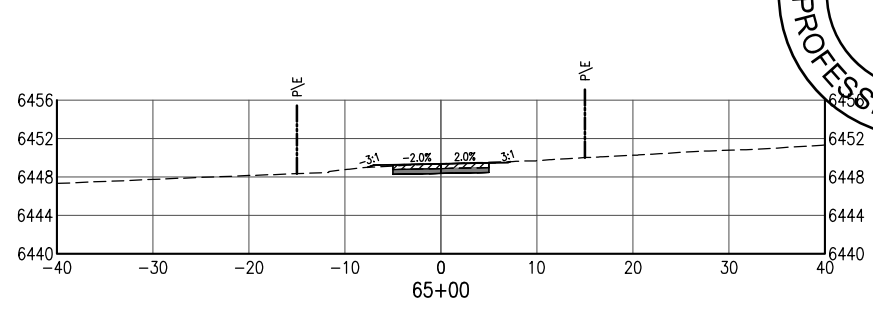
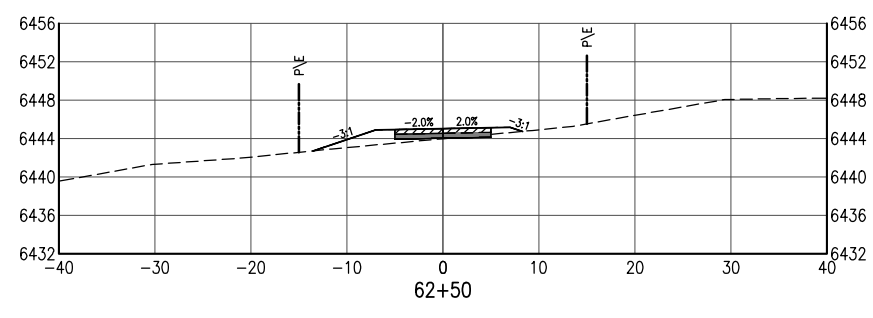
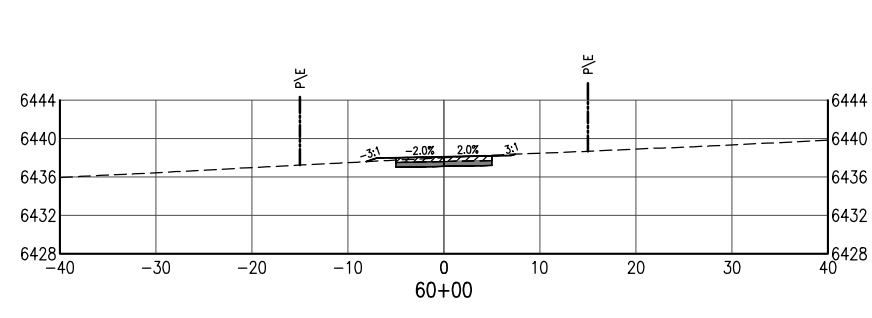
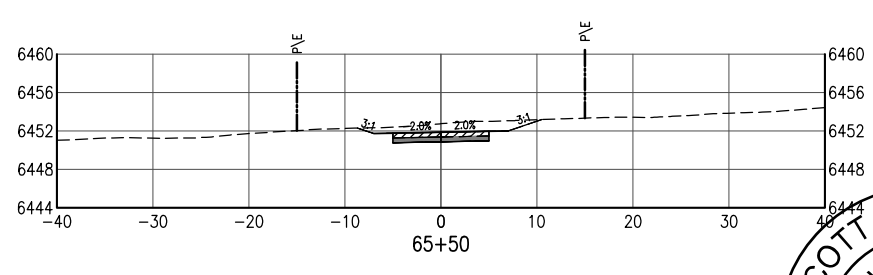
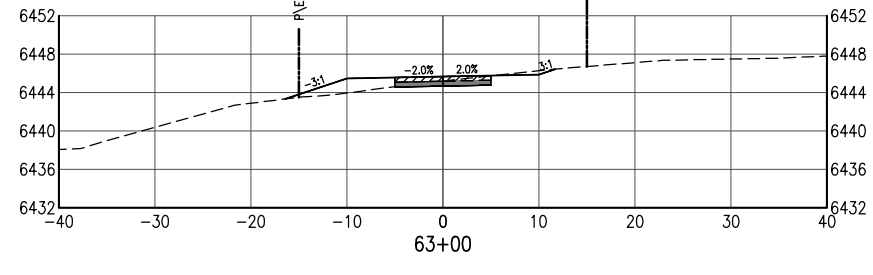
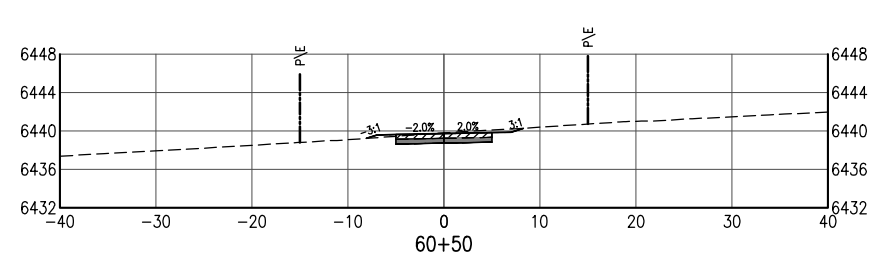
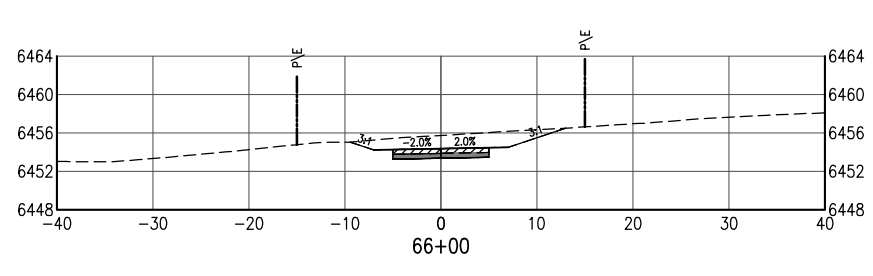
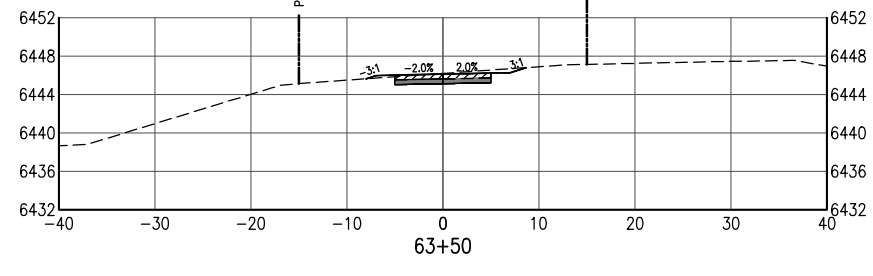
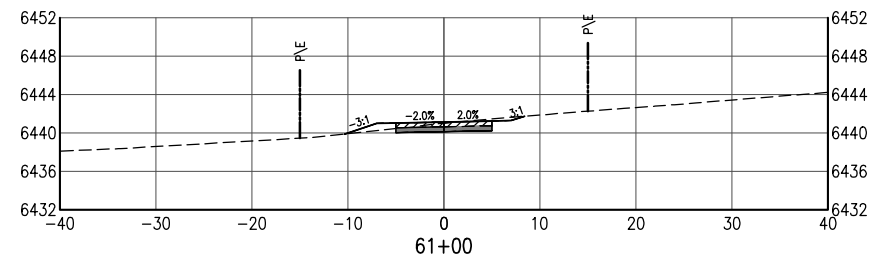
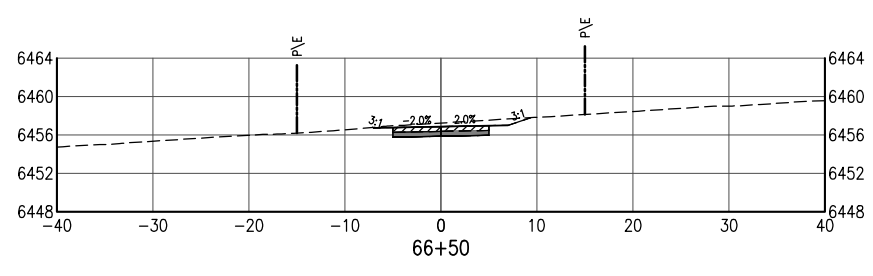
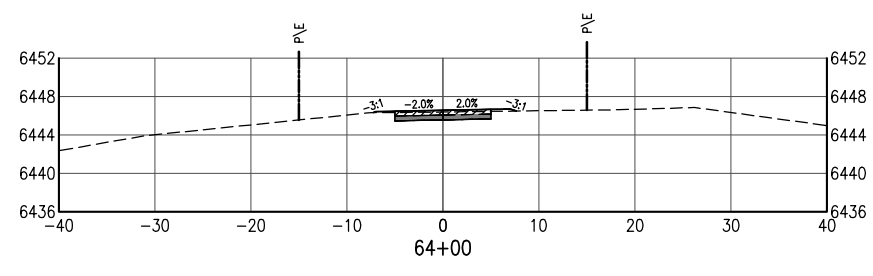
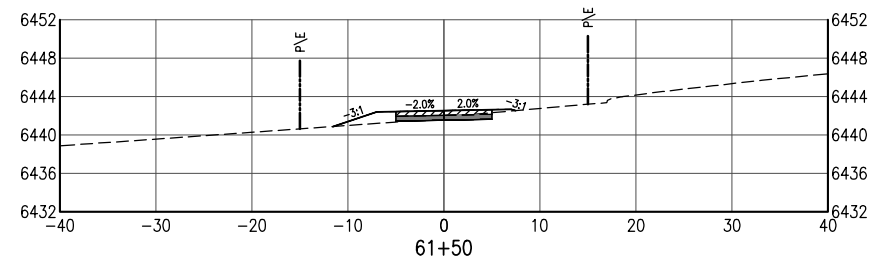
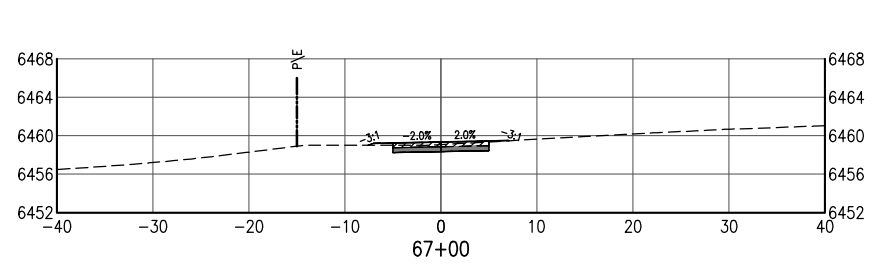
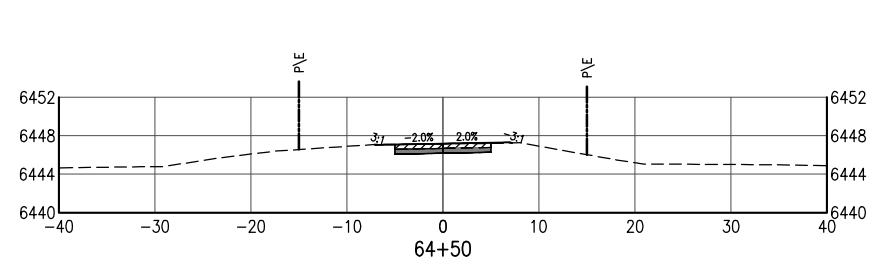
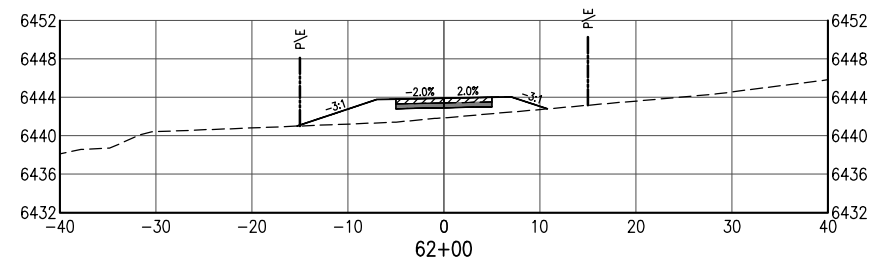


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No Revisions:		Designer: SJB	Structure Numbers
Revised:		Detailer: LX	
Void:		Sheet Subset: X-14	Subset Sheets: 25

Project No./Code	Arroyo Hondo Trail
	325-12126
	<b>80</b>



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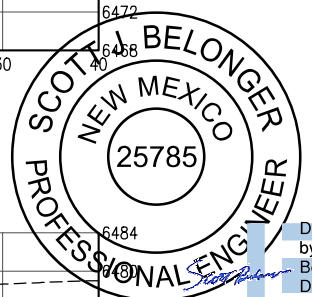
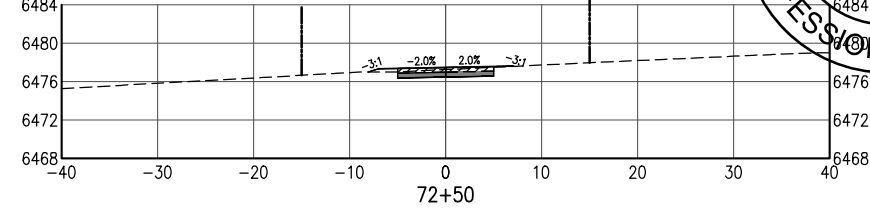
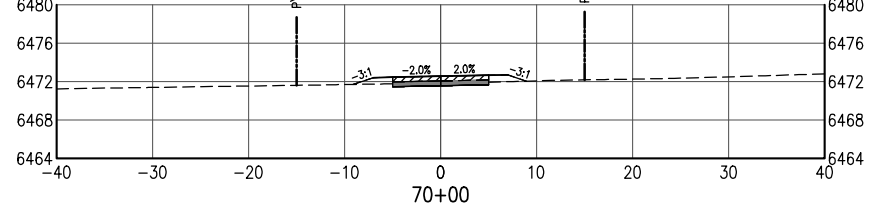
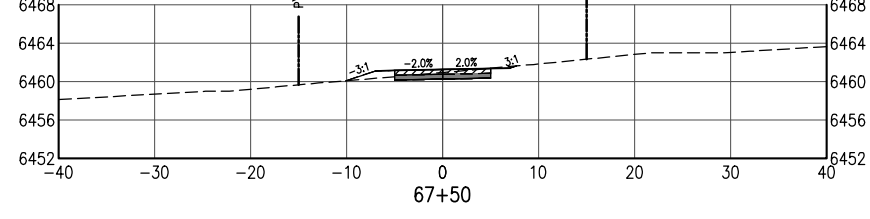
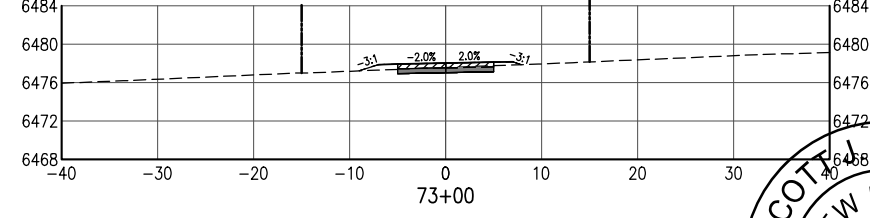
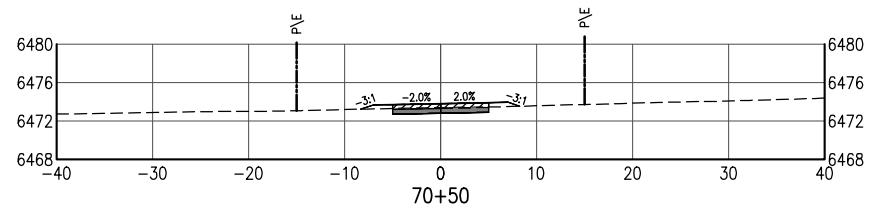
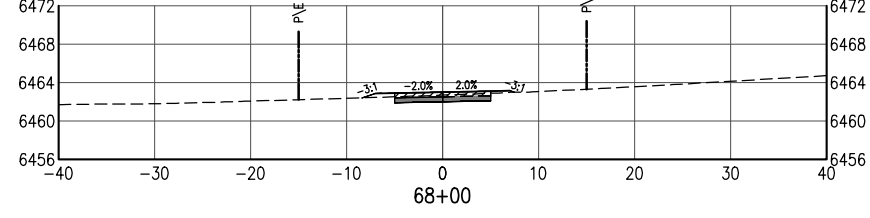
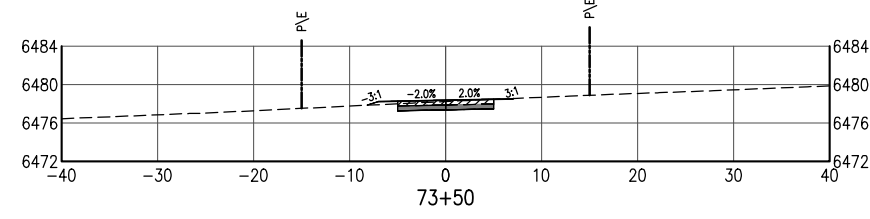
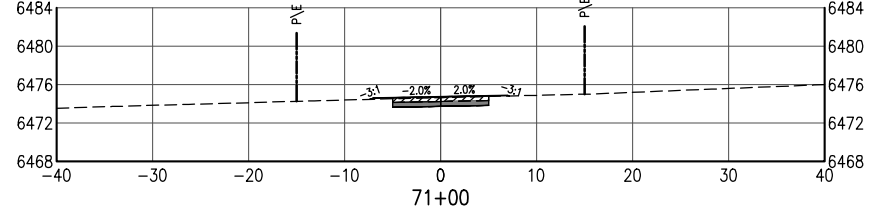
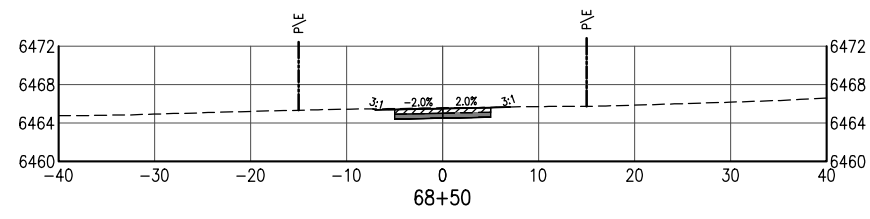
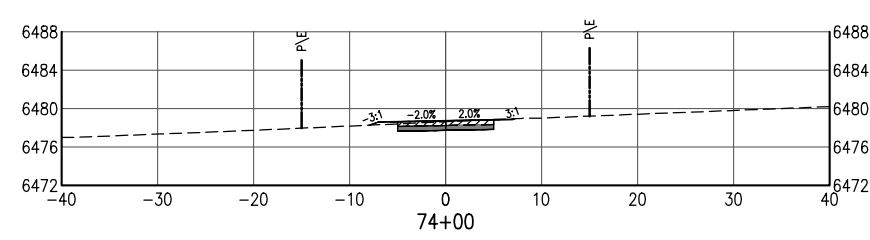
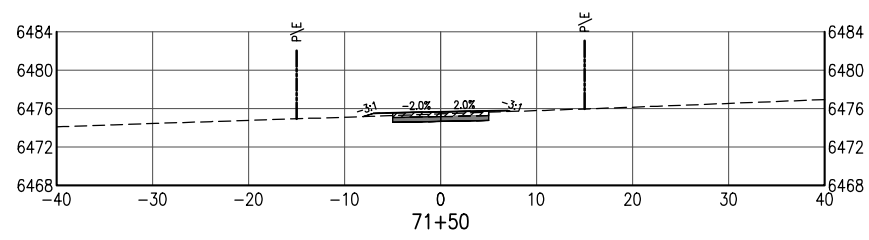
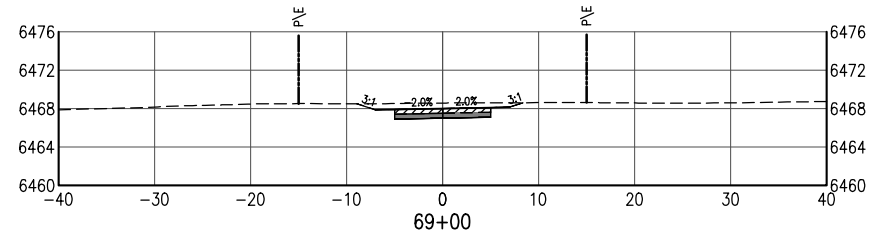
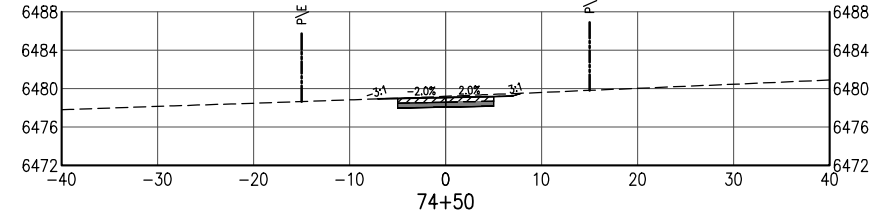
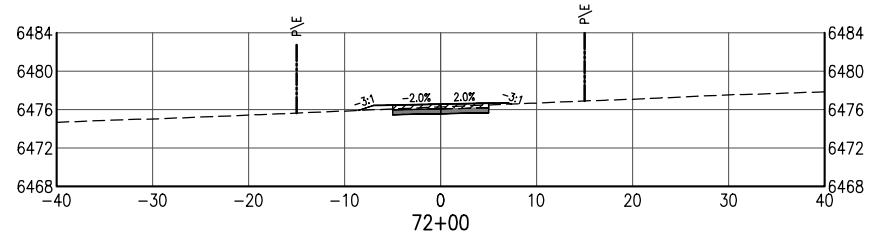
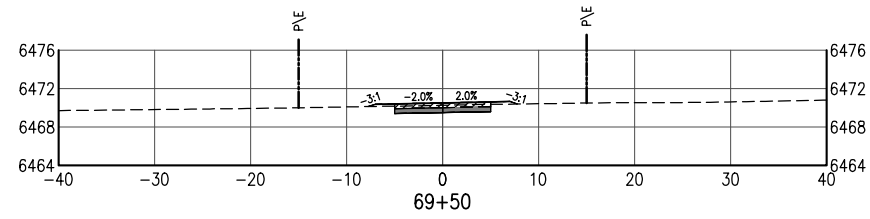


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File Name: 20307 (16-27) Cross Sections (Seg3).dwg		Date:	Comments		Init.	No Revisions:			Arroyo Hondo Trail	
Horiz. Scale:                      Vert. Scale: As Noted					Revised:	Designer: SJB	Structure Numbers	325-12126		
Unit Information                      Unit Leader Initials					Void:	Detailer: LX	Subset Sheets:	81		
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100% CONSTRUCTION PLANS - SEPTEMBER 2023

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Unit Information	Unit Leader Initials

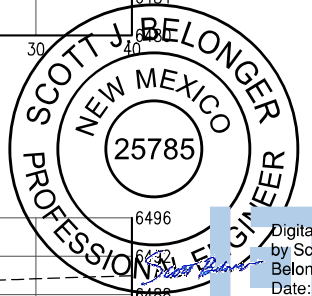
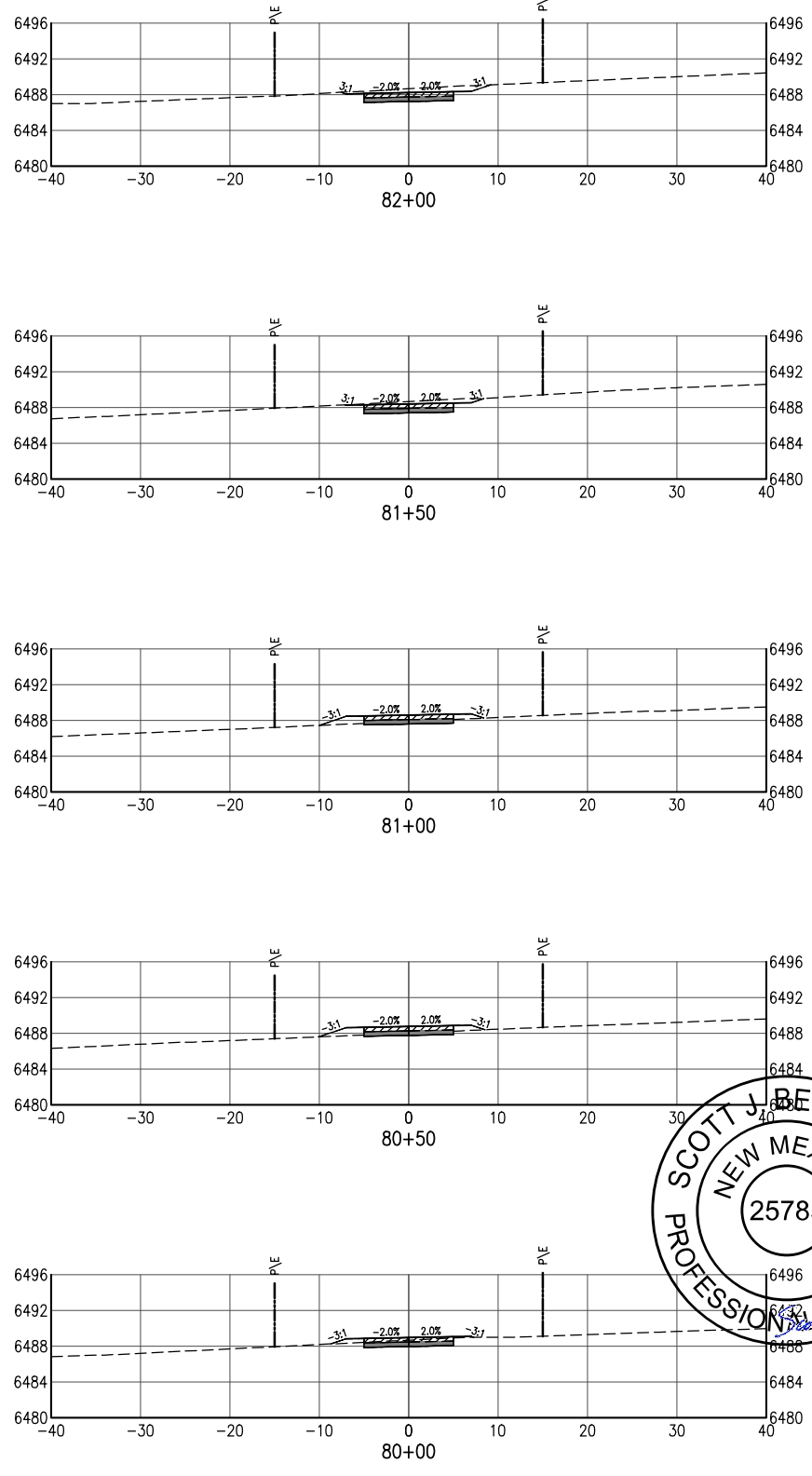
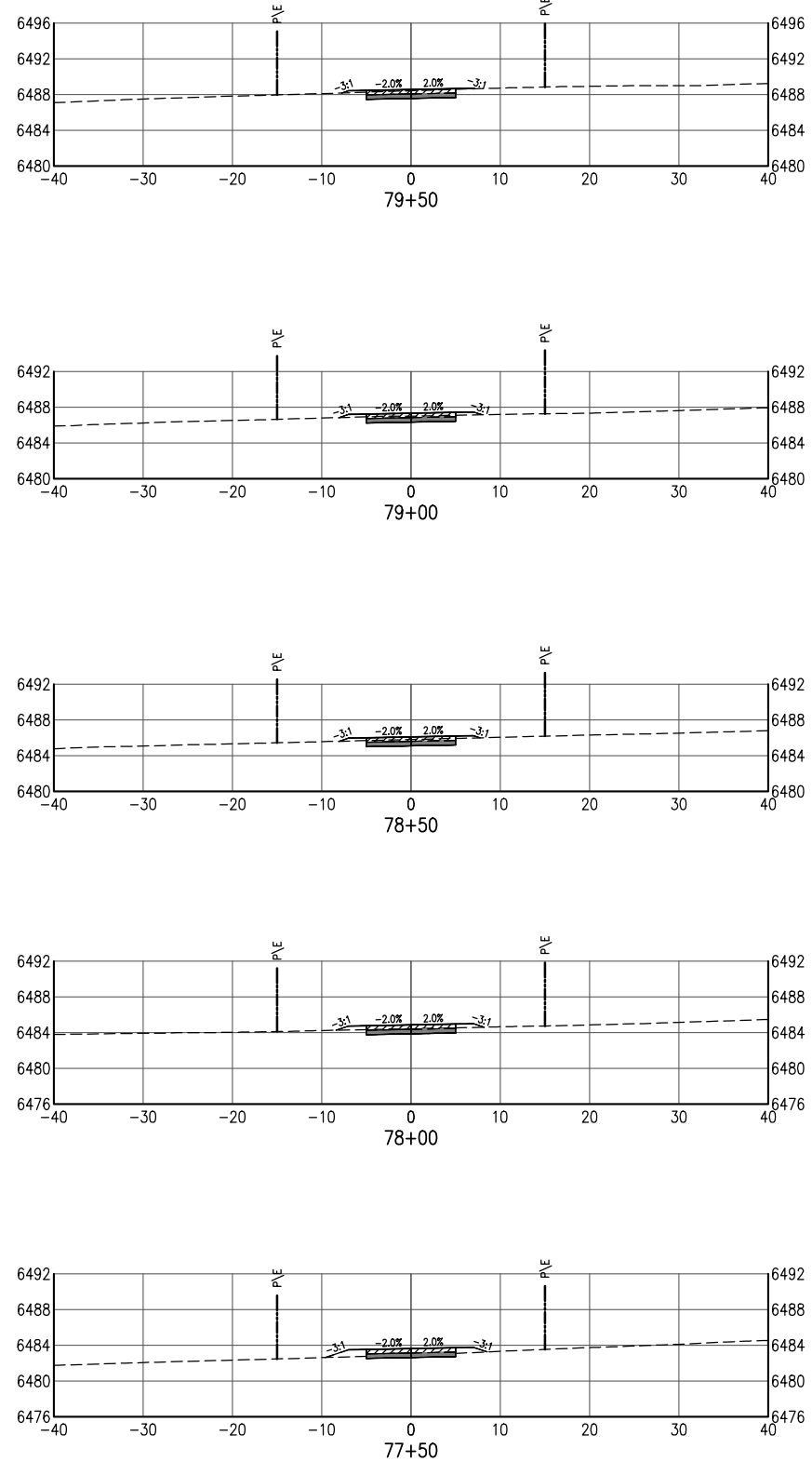
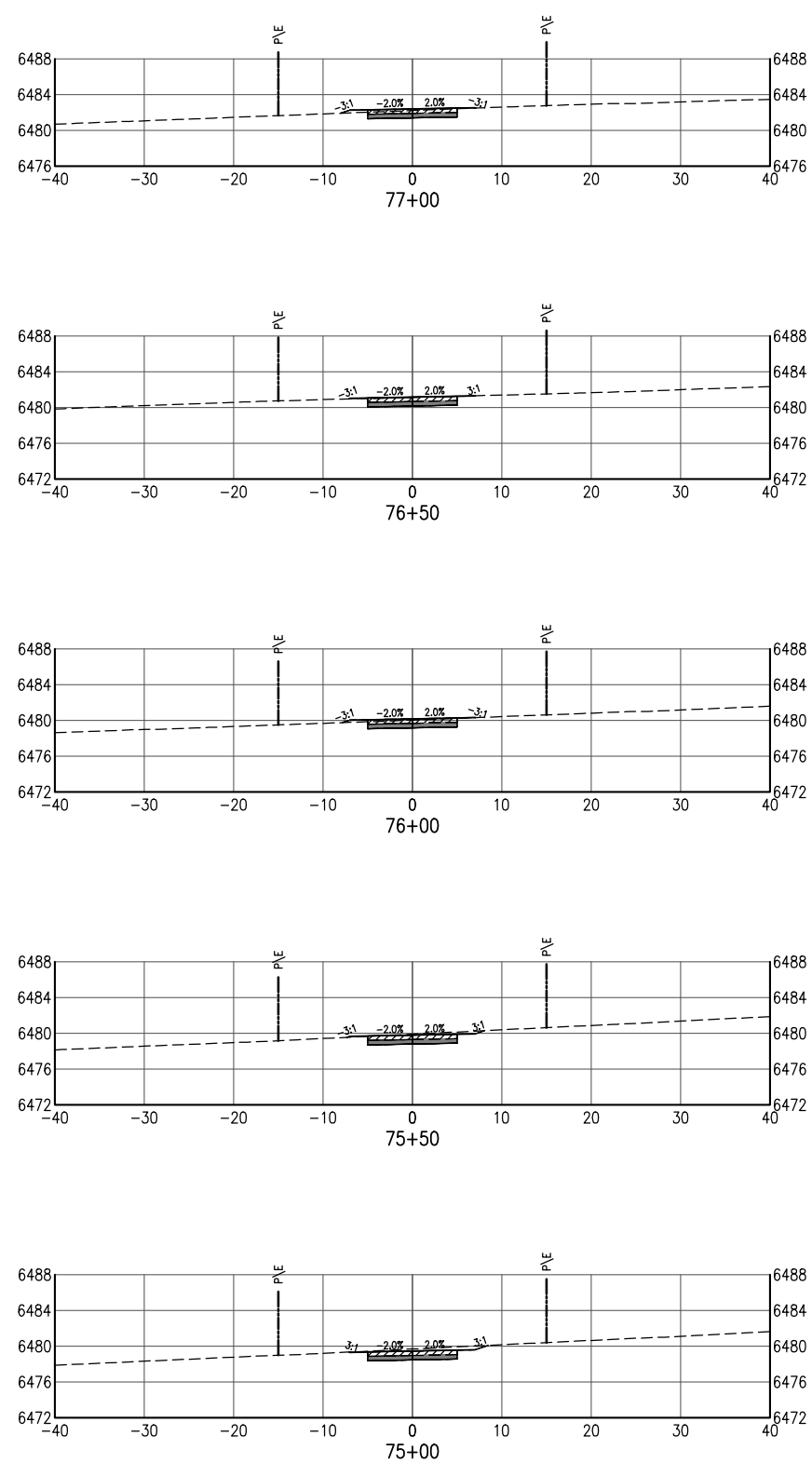
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As Constructed		ARROYO HONDO TRAIL CROSS SECTIONS (SEGMENT 3)	
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Revised:		Detailer: LX	
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Project No./Code	Arroyo Hondo Trail
	325-12126
	<b>82</b>

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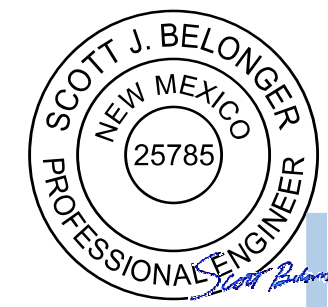
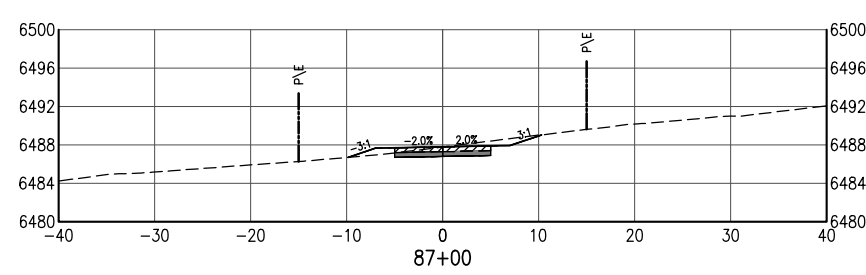
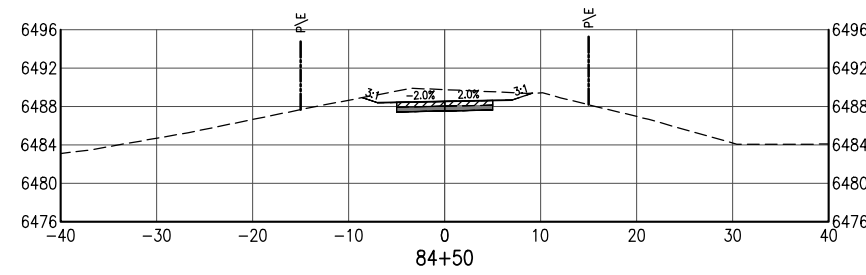
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Date:	Comments	Init.

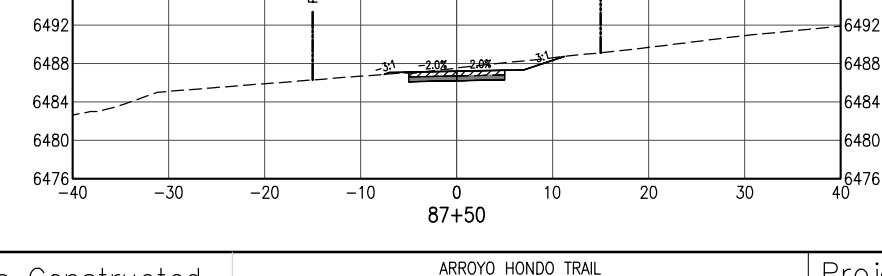
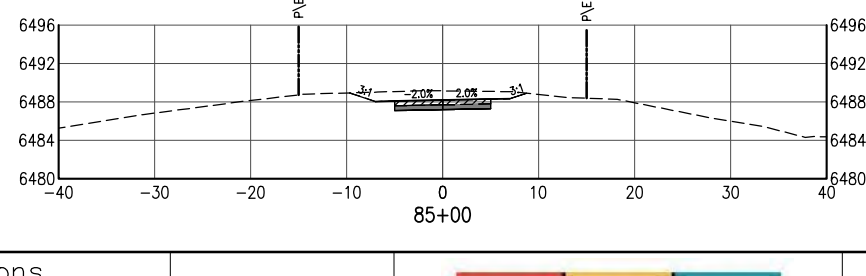
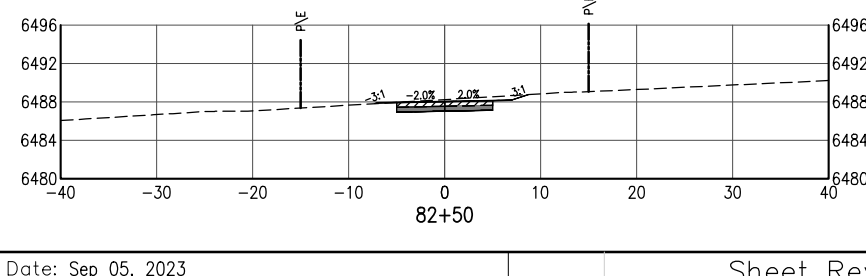
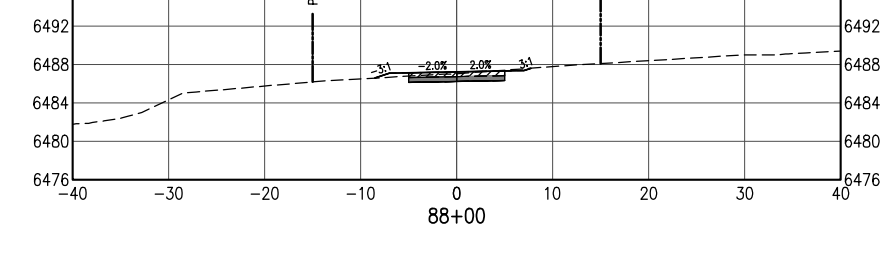
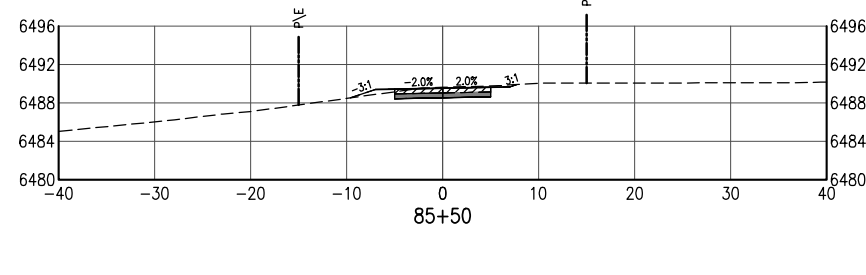
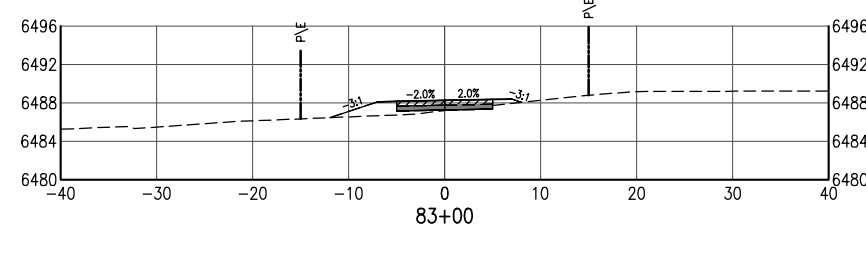
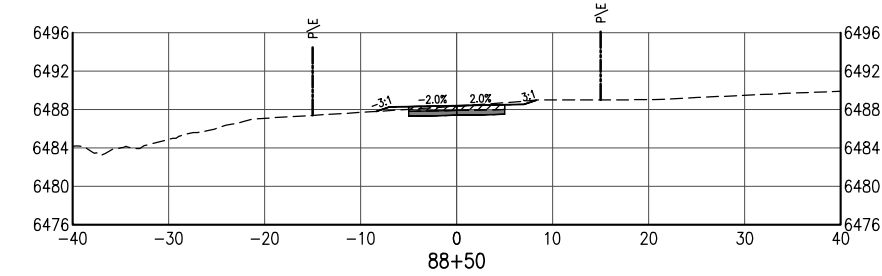
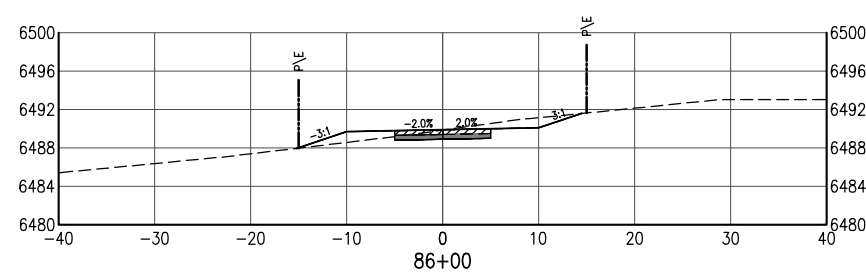
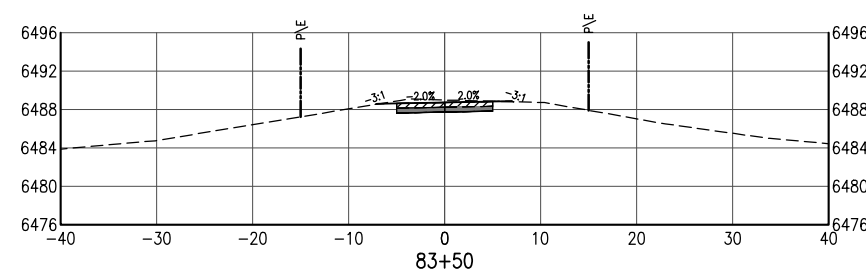
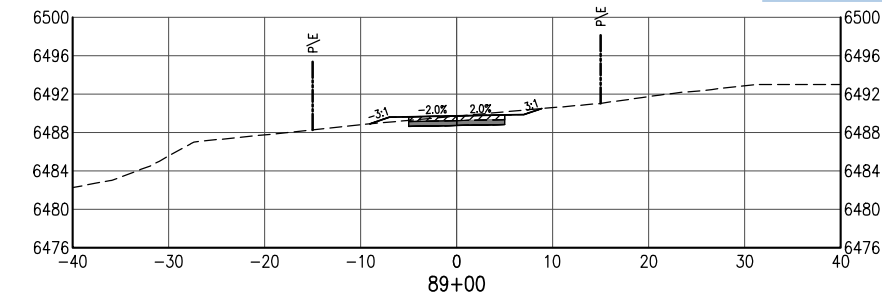
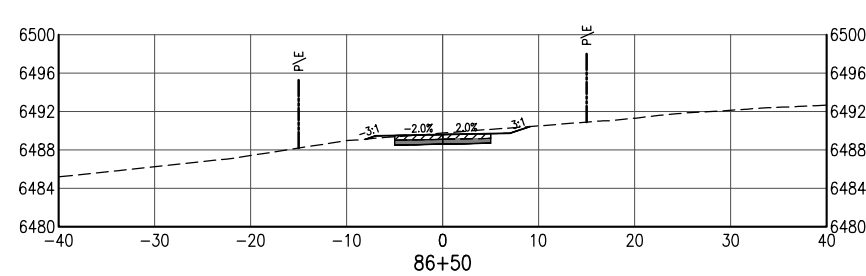
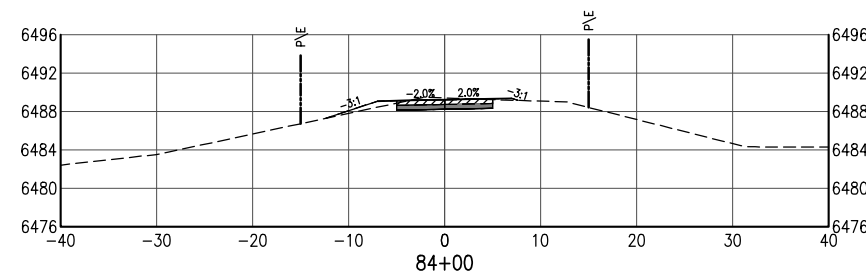


As Constructed		ARROYO HONDO TRAIL CROSS SECTIONS (SEGMENT 3)		Project No./Code	
No Revisions:				Arroyo Hondo Trail	
Revised:		Designer: SJB	Structure Numbers	325-12126	
Void:		Detailer: LX			
		Sheet Subset: X-17	Subset Sheets: 25	83	

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Print Date: Sep 05, 2023	
File Name: 20307 (16-27) Cross Sections (Seg3).dwg	
Horiz. Scale:	Vert. Scale: As Noted
Unit Information	Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.

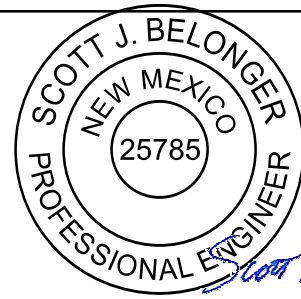


As Constructed
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Revised:
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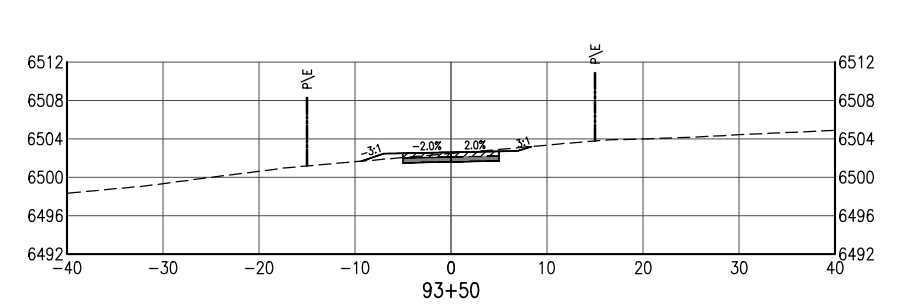
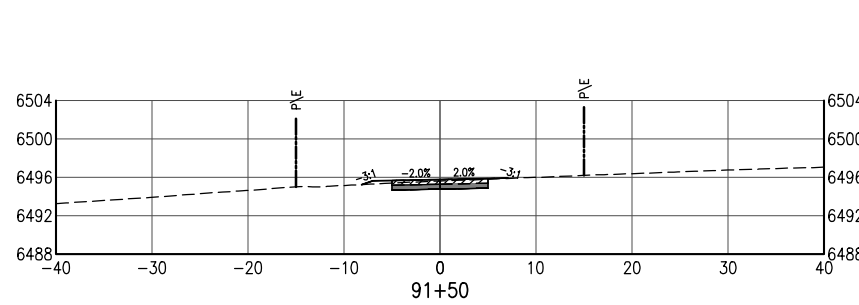
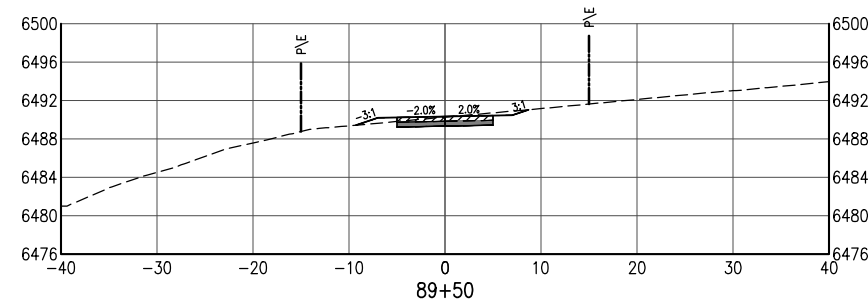
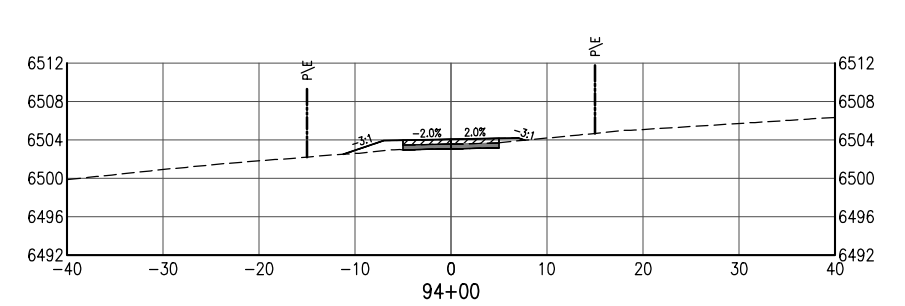
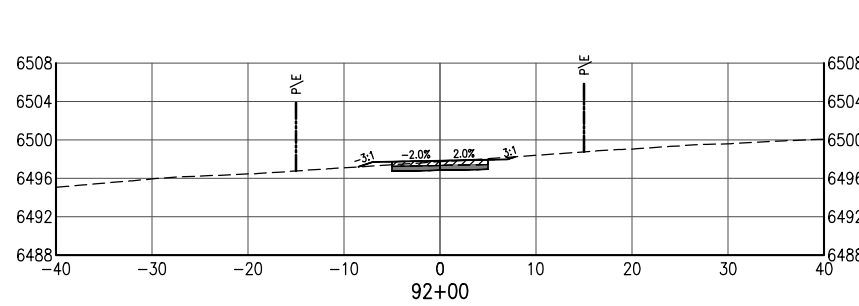
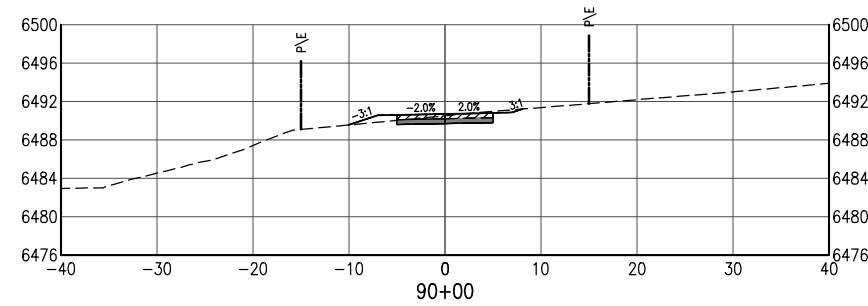
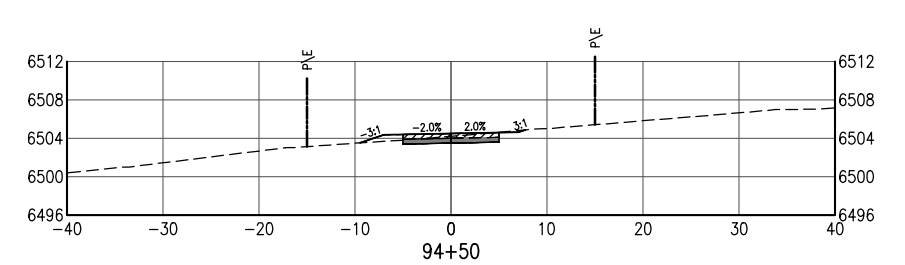
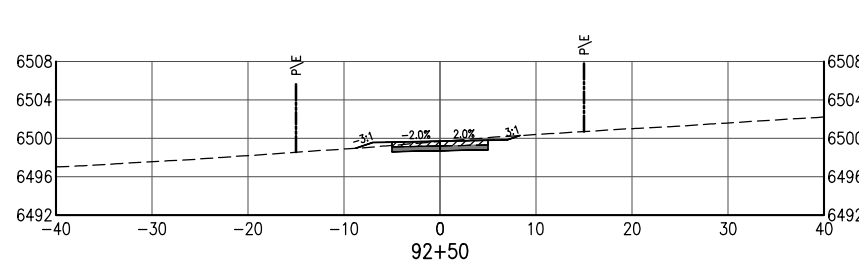
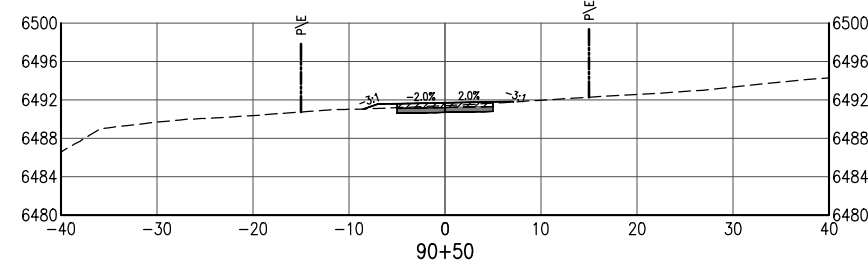
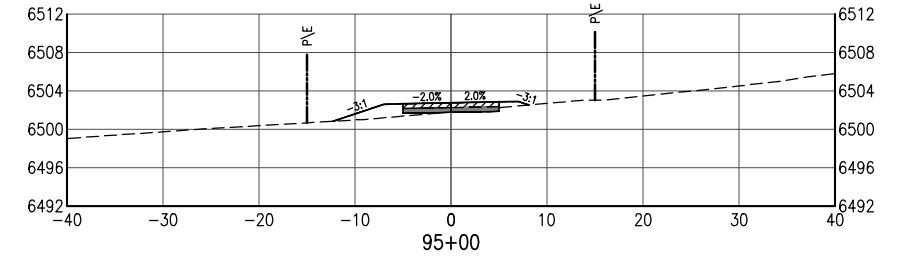
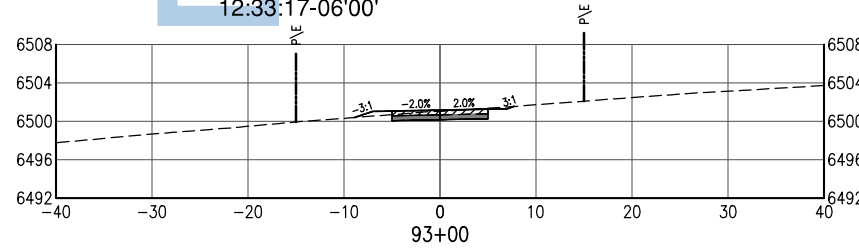
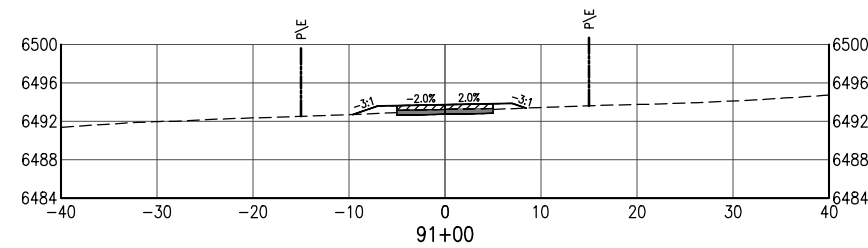
ARROYO HONDO TRAIL CROSS SECTIONS (SEGMENT 3)		
Designer:	SJB	Structure Numbers
Detailer:	LX	
Sheet Subset:	X-18	Subset Sheets: 25

Project No./Code
Arroyo Hondo Trail
325-12126
<b>84</b>

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Print Date: Sep 05, 2023	
File Name: 20307 (16-27) Cross Sections (Seg3).dwg	
Horiz. Scale:	Vert. Scale: As Noted
Unit Information	Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.



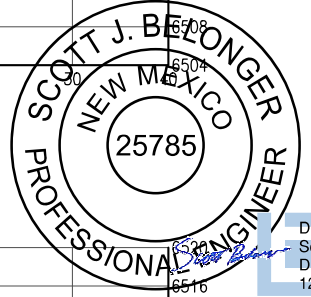
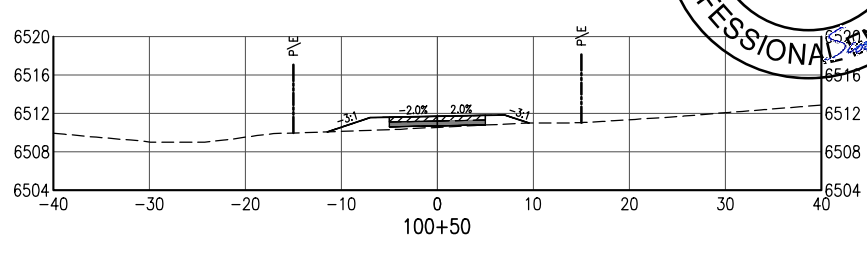
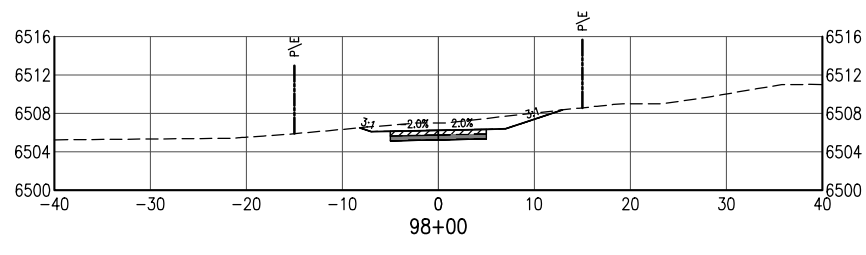
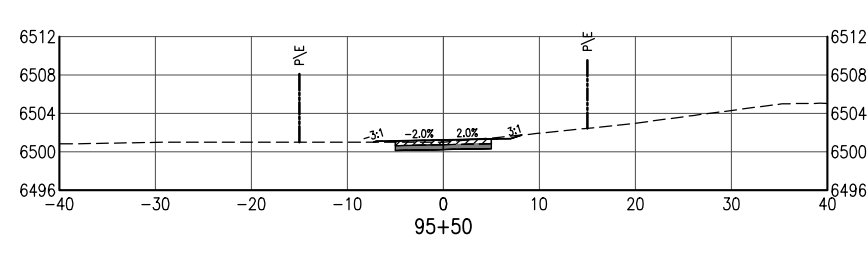
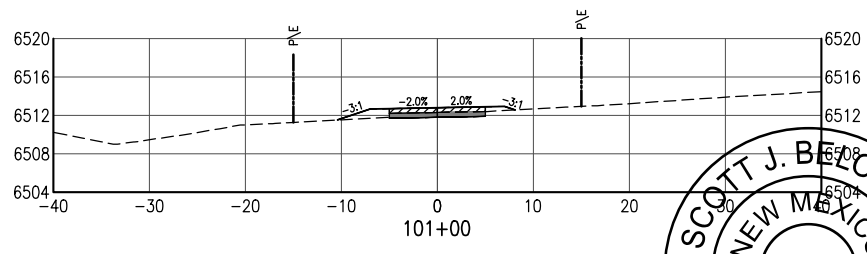
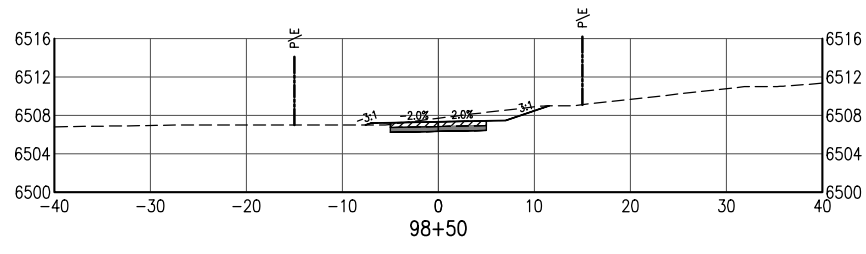
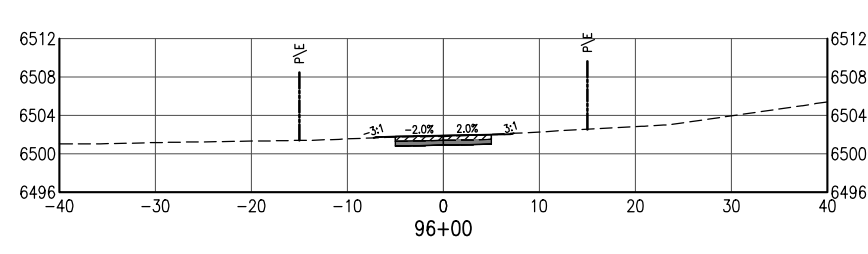
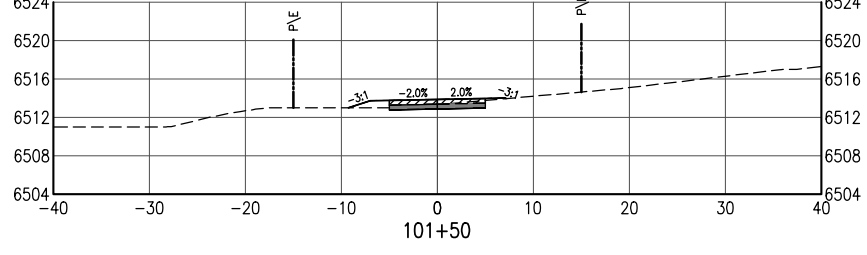
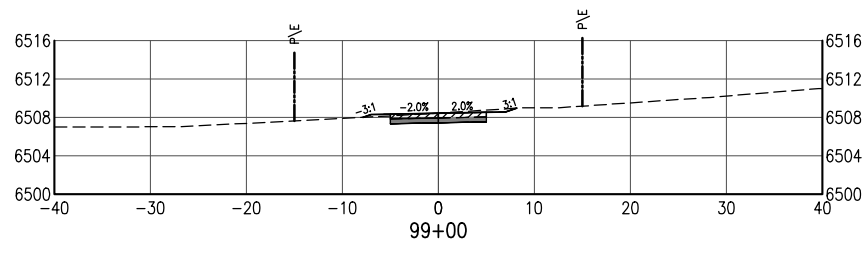
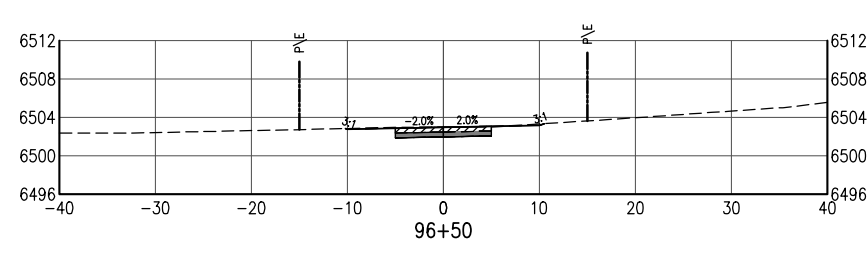
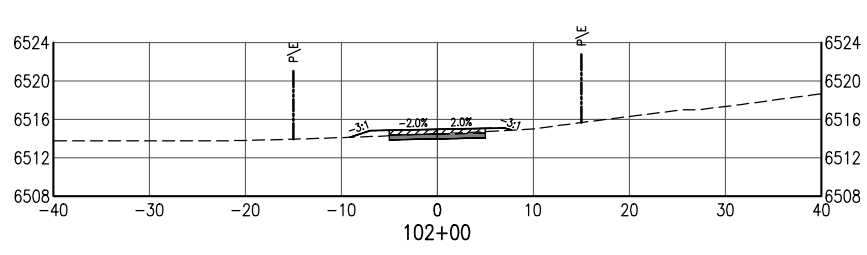
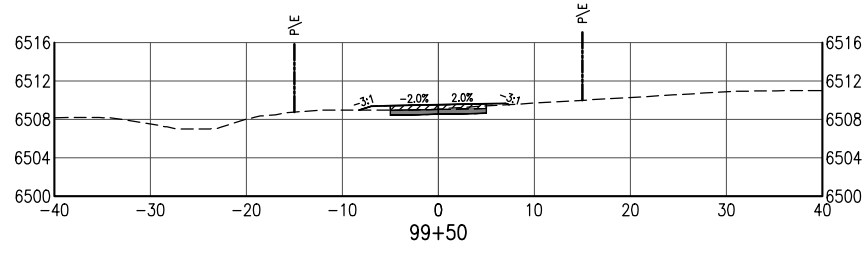
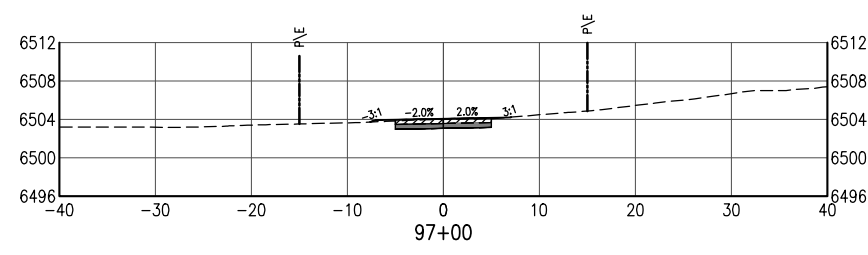
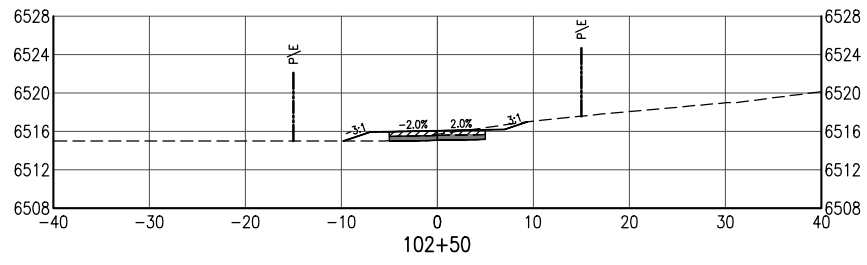
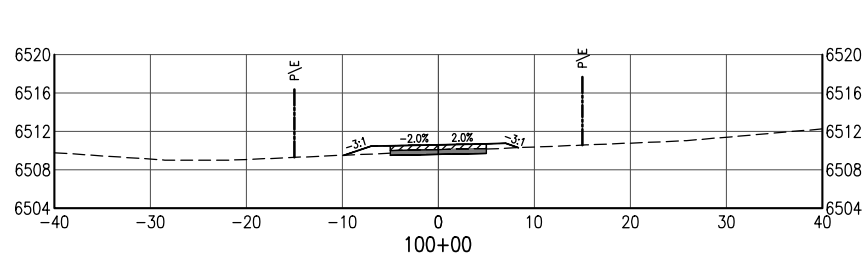
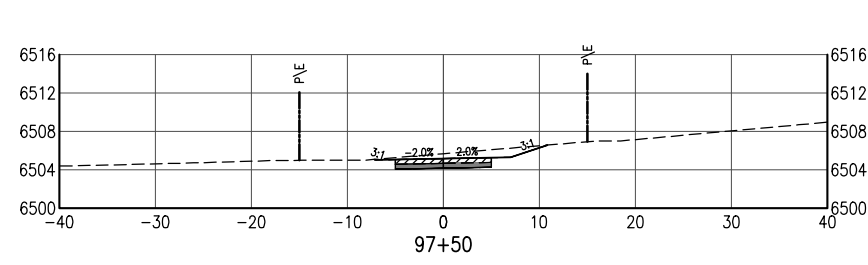
As Constructed
No Revisions:
Revised:
Void:

ARROYO HONDO TRAIL CROSS SECTIONS (SEGMENT 3)		
Designer:	SJB	Structure Numbers
Detailer:	LX	
Sheet Subset:	X-19	Subset Sheets: 25

Project No./Code
Arroyo Hondo Trail
325-12126
<b>85</b>

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Date: 2023.09.07 12:34:01-06'00'

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Unit Information	Unit Leader Initials

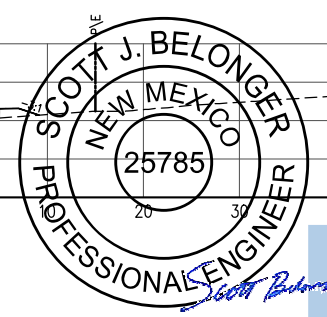
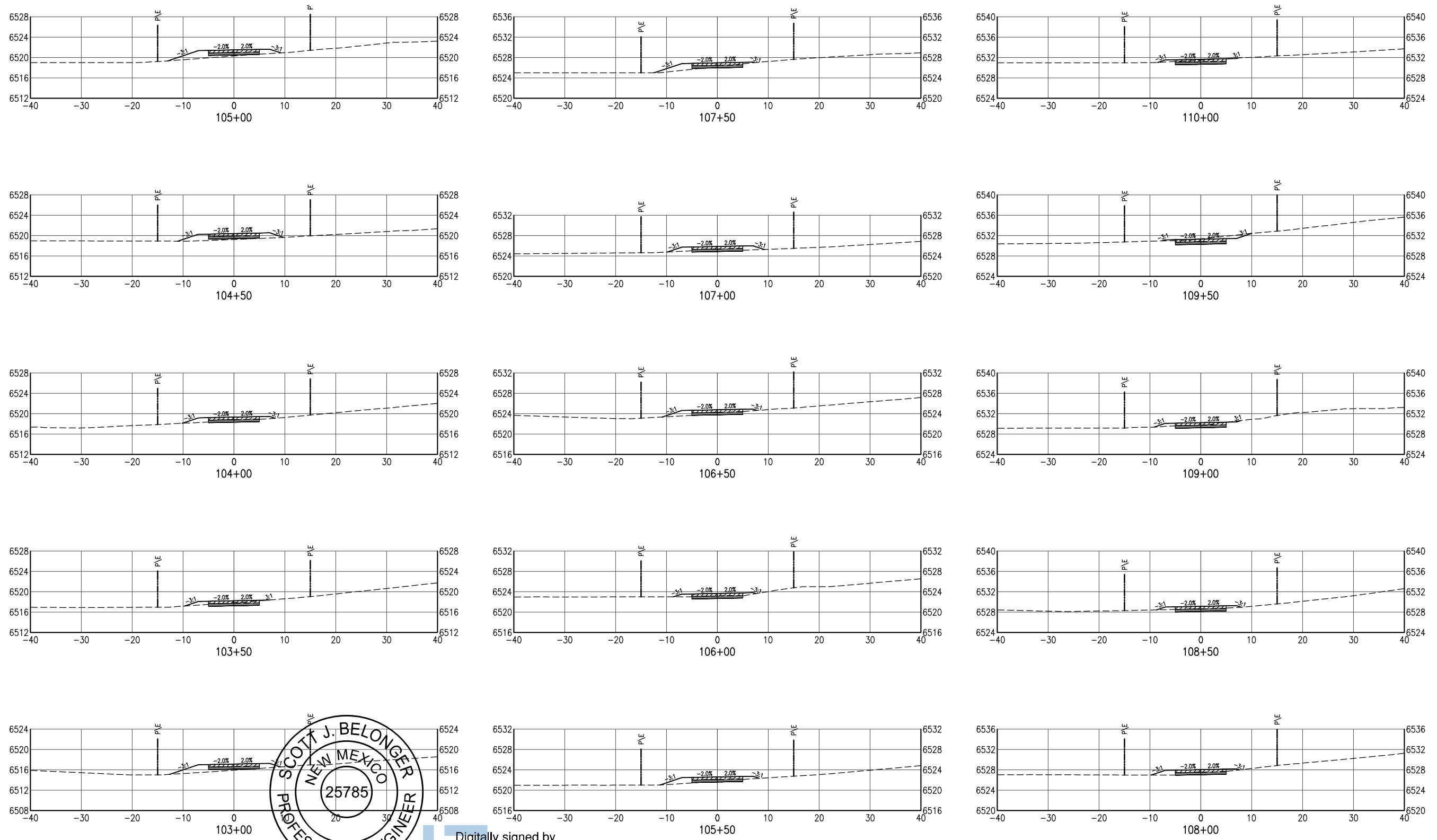
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Date:	Comments	Init.



As Constructed		ARROYO HONDO TRAIL CROSS SECTIONS (SEGMENT 3)		Project No./Code	
No Revisions:		Designer: SJB	Structure Numbers	Arroyo Hondo Trail	
Revised:		Detailer: LX		325-12126	
Void:		Sheet Subset: X-20	Subset Sheets: 25	86	

Project No./Code	
Arroyo Hondo Trail	
325-12126	
86	

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 Date: 2023.09.07  
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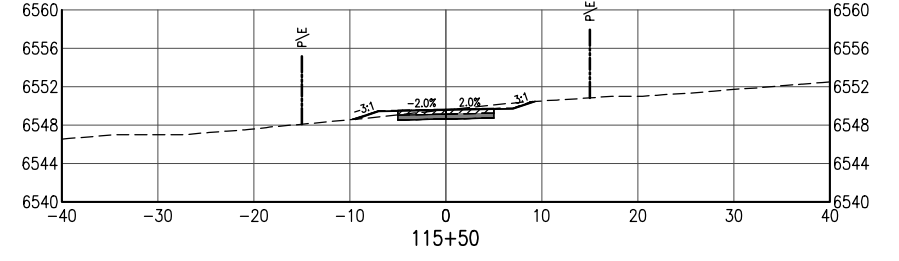
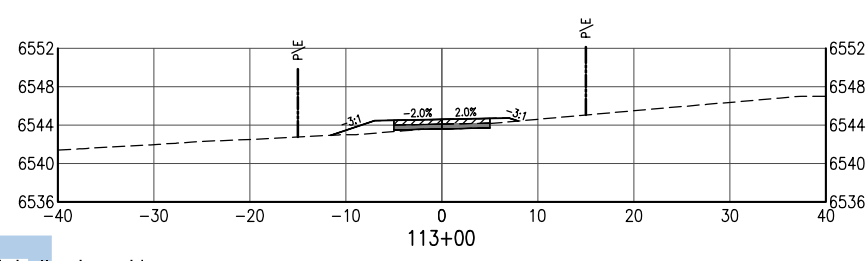
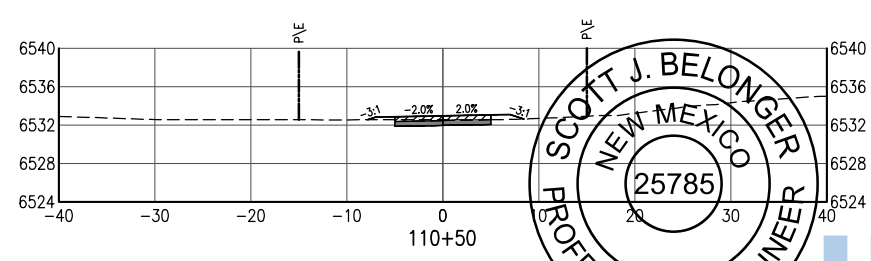
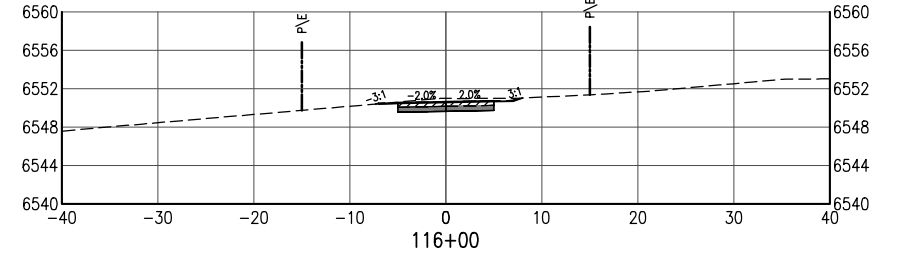
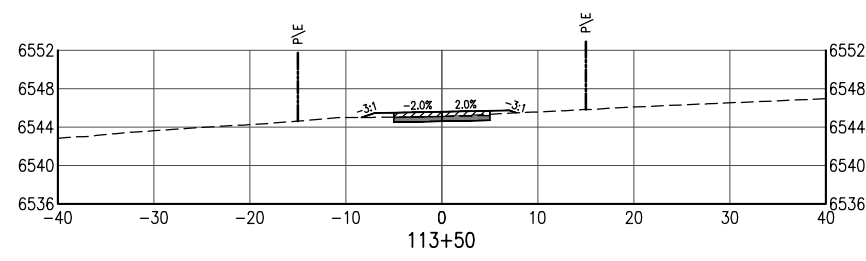
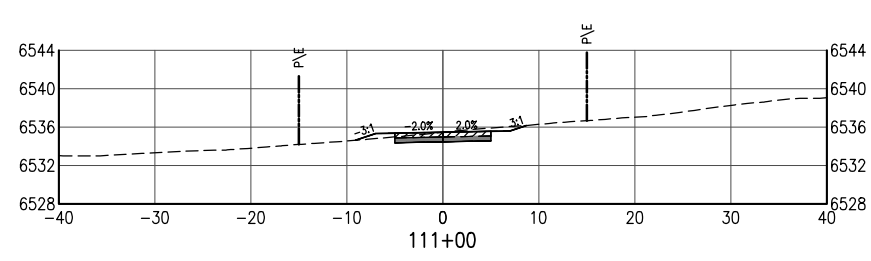
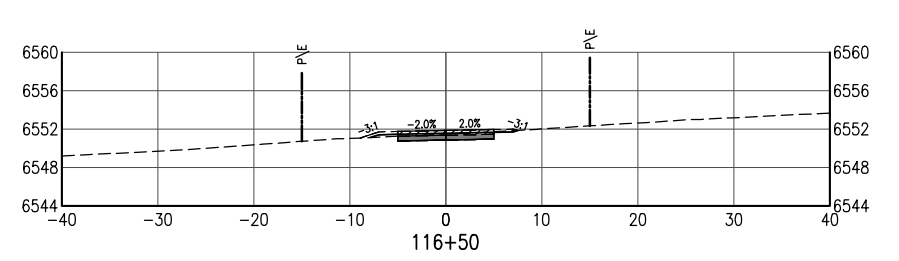
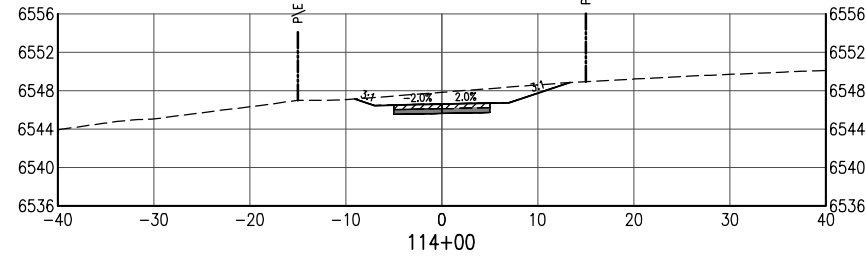
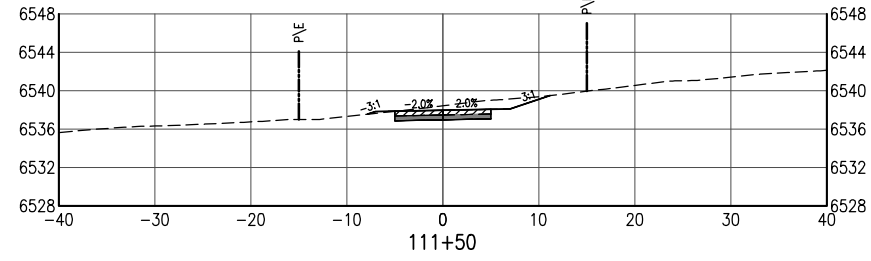
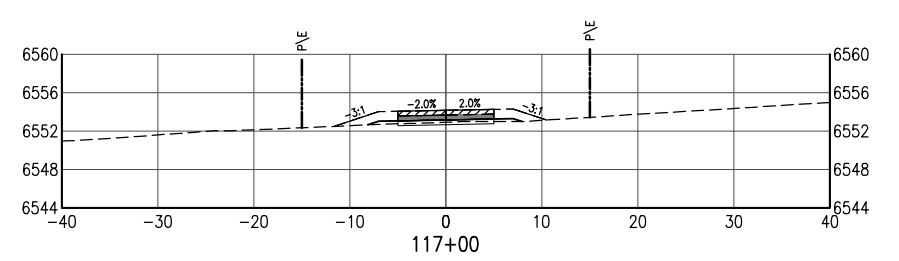
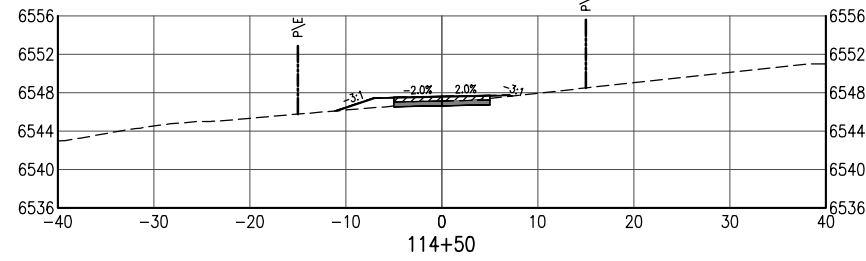
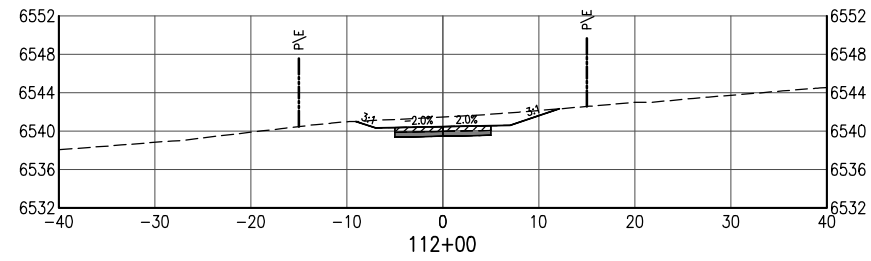
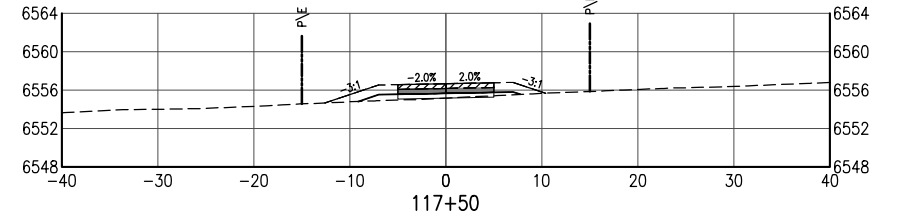
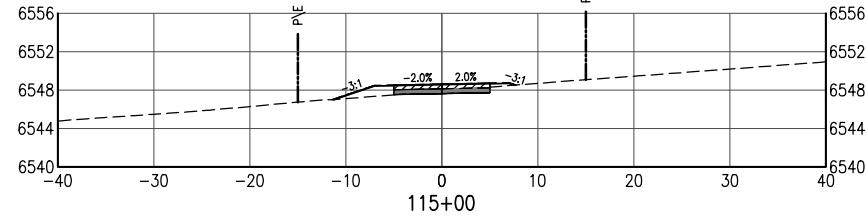
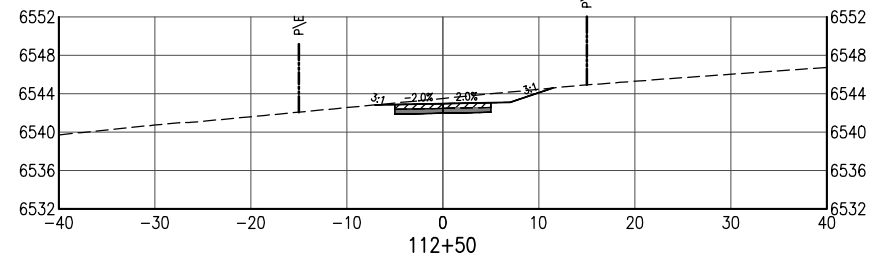
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Date:	Comments	Init.



As Constructed	ARROYO HONDO TRAIL CROSS SECTIONS (SEGMENT 3)		Project No./Code
No Revisions:			Arroyo Hondo Trail
Revised:	Designer: SJB	Structure Numbers	325-12126
Void:	Detailer: LX		
	Sheet Subset: X-21	Subset Sheets: 25	<b>87</b>

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Date: 2023.09.07  
12:37:33-06'00'

Print Date: Sep 05, 2023  
File Name: 20307 (16-27) Cross Sections (Seg3).dwg  
Horiz. Scale:                      Vert. Scale: As Noted  
Unit Information                      Unit Leader Initials

Sheet Revis		
Date:	Comments	Init.

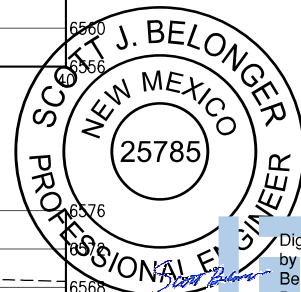
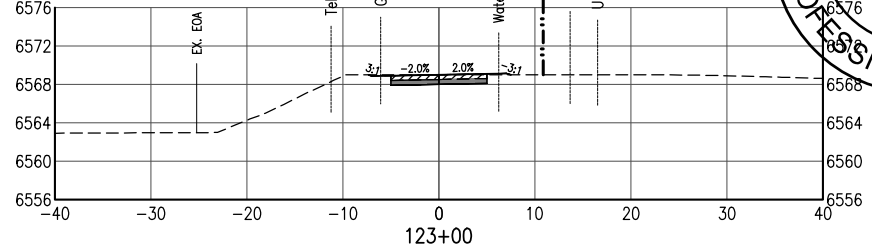
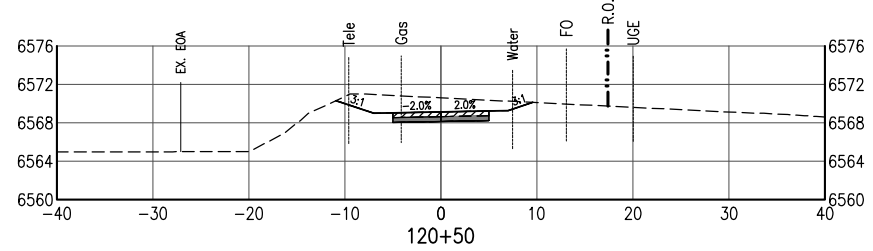
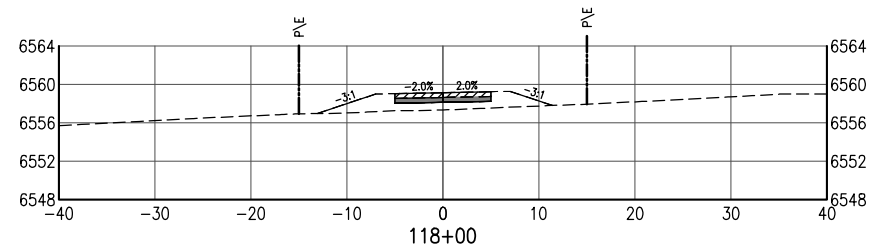
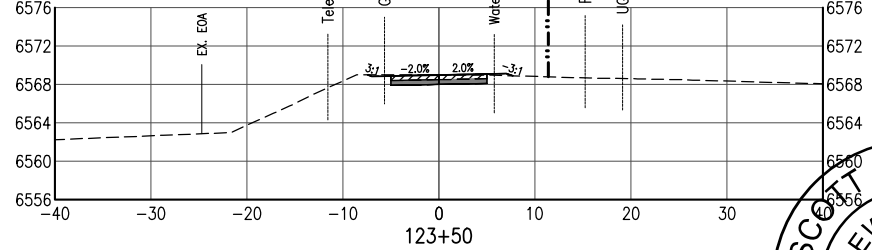
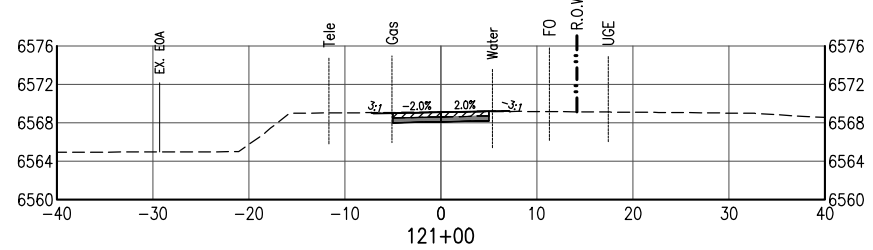
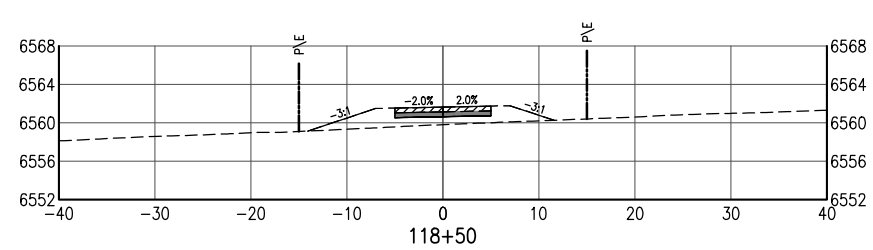
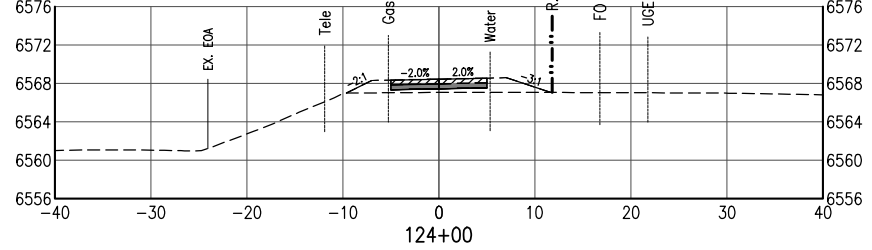
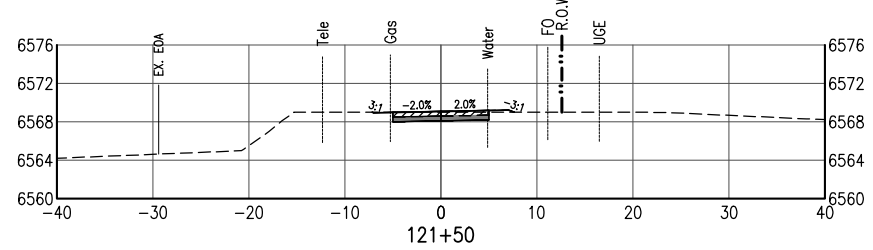
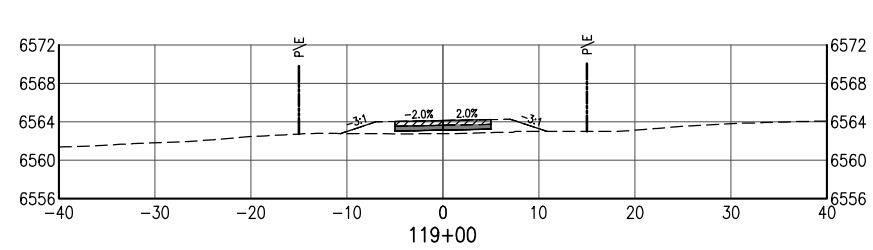
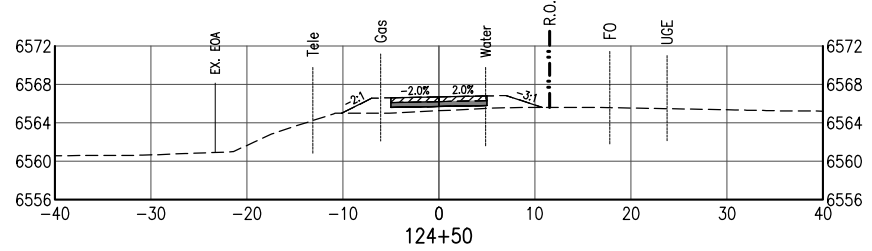
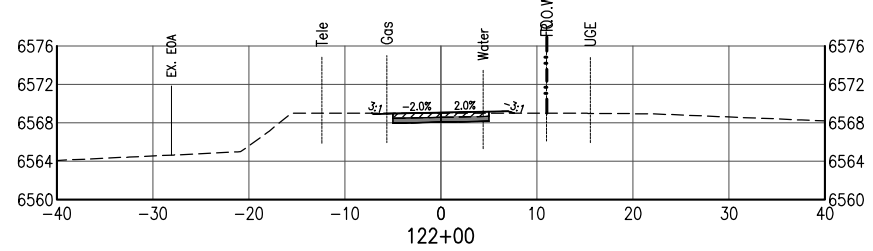
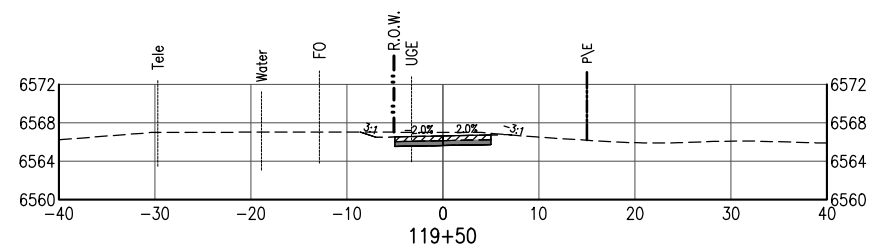
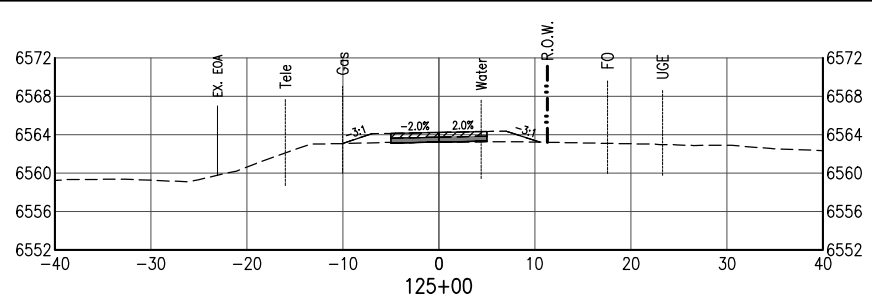
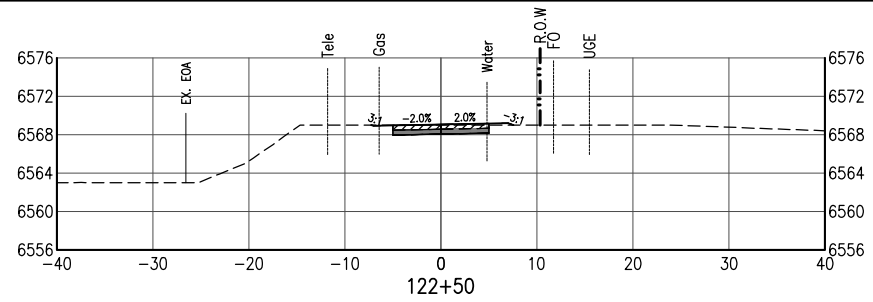
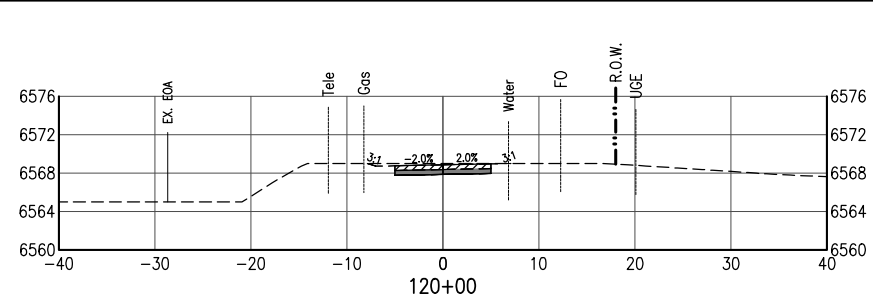


As Constructed	ARROYO HONDO TRAIL CROSS SECTIONS (SEGMENT 3)		Project No./Code
No Revisions:	Designer: SJB	Structure Numbers	Arroyo Hondo Trail
Revised:	Detailer: LX		325-12126
Void:	Sheet Subset: X-22	Subset Sheets: 25	<b>88</b>

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Date: 2023.09.07 12:38:01-06'00'

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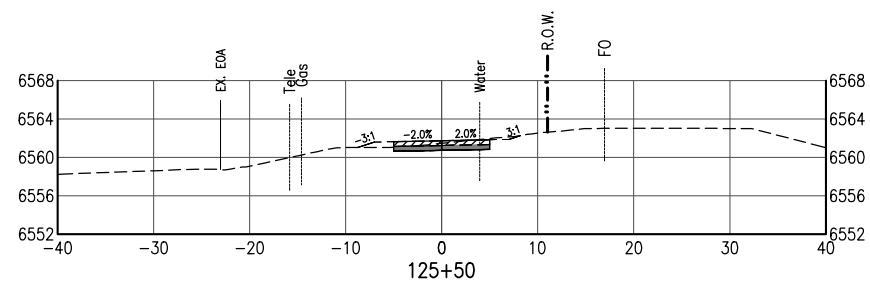
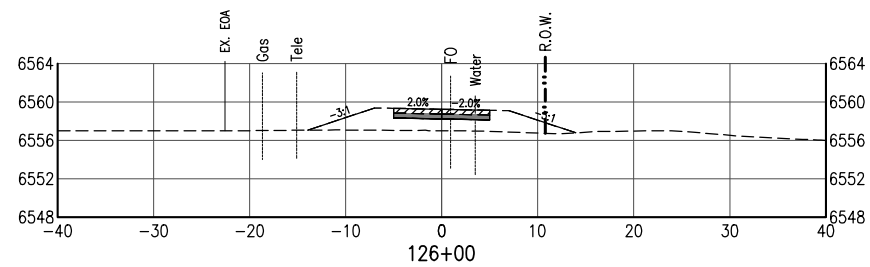
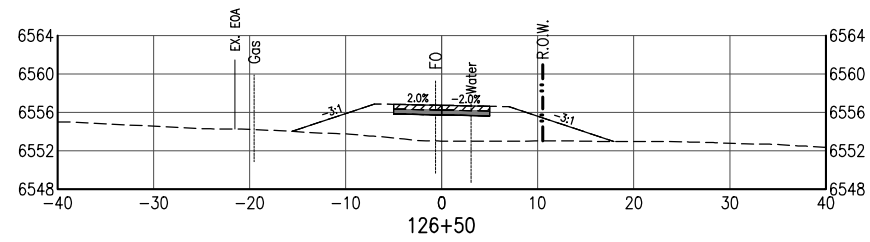
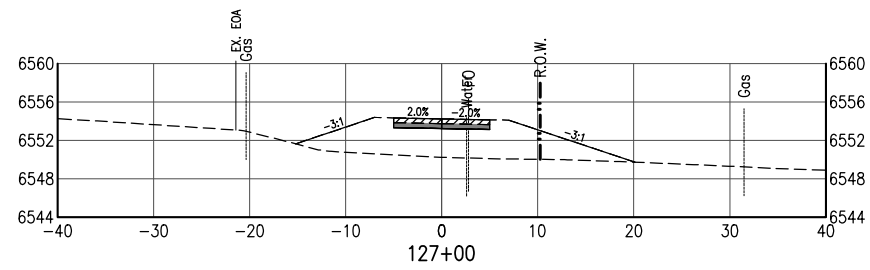
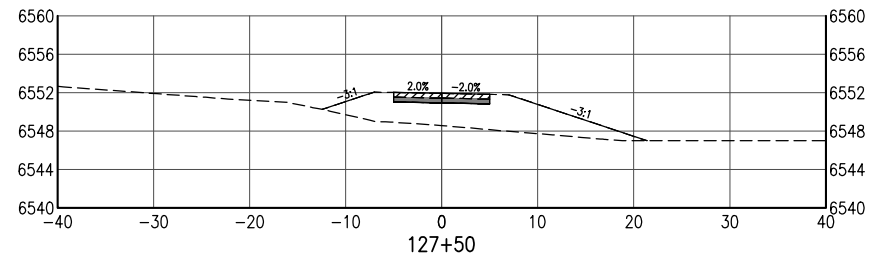
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Unit Information	Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.



As Constructed	ARROYO HONDO TRAIL CROSS SECTIONS (SEGMENT 3)		Project No./Code
No Revisions:	Designer: SJB	Structure Numbers	Arroyo Hondo Trail
Revised:	Detailer: LX	Subset Sheets:	325-12126
Void:	Sheet Subset: X-23	25	<b>89</b>

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Horiz. Scale:	Vert. Scale: As Noted
Unit Information	Unit Leader Initials

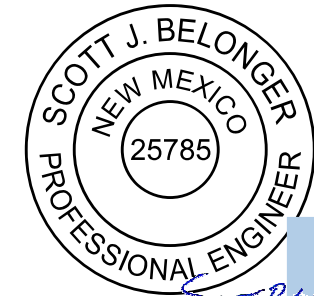
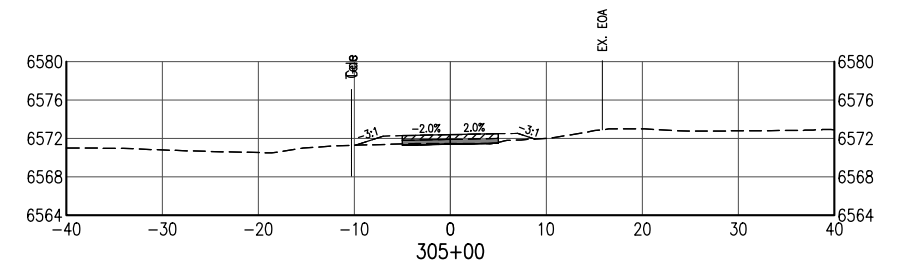
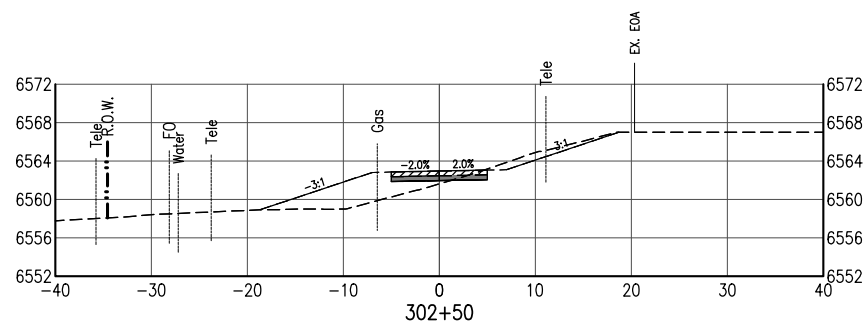
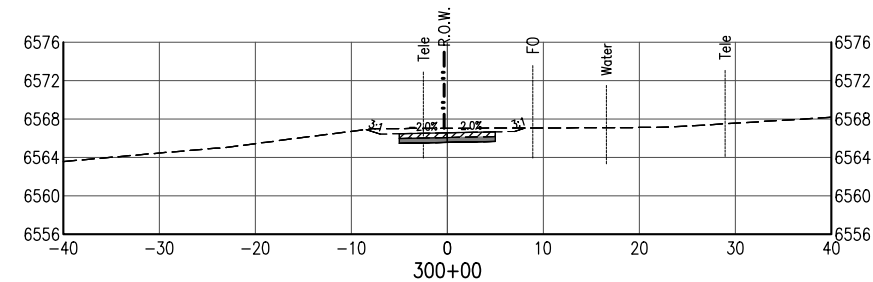
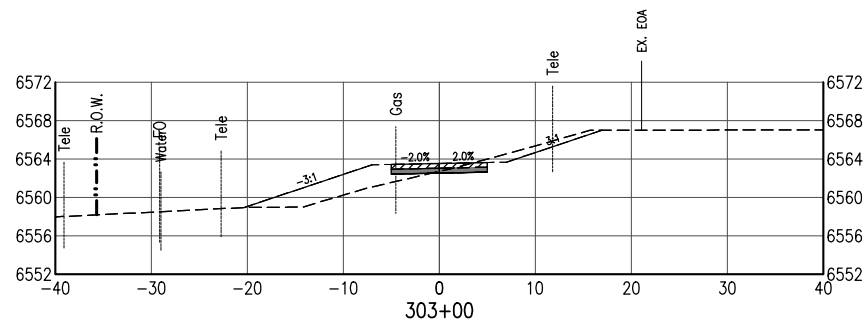
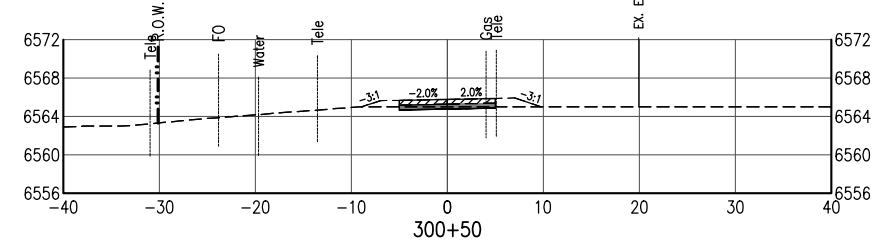
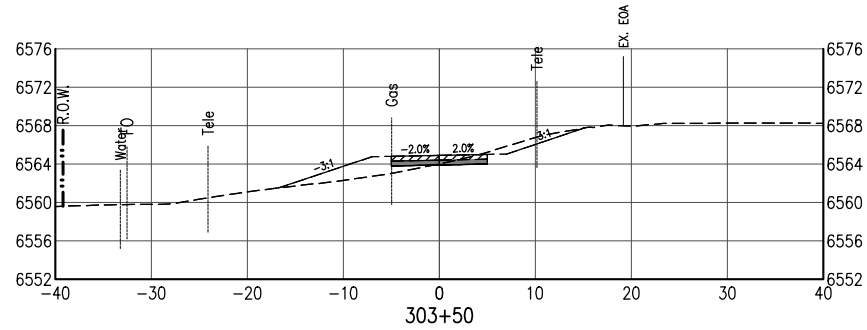
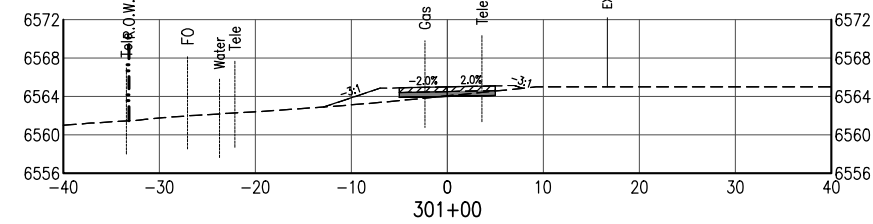
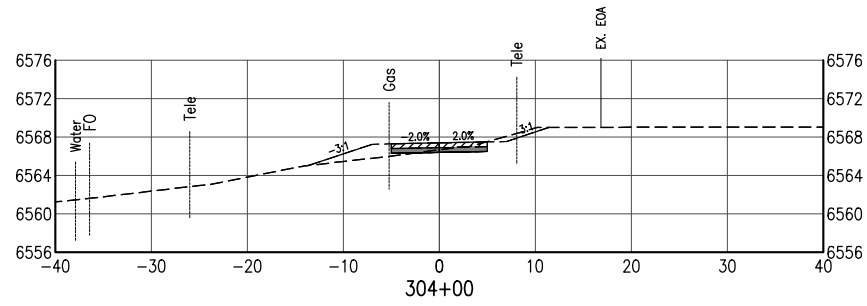
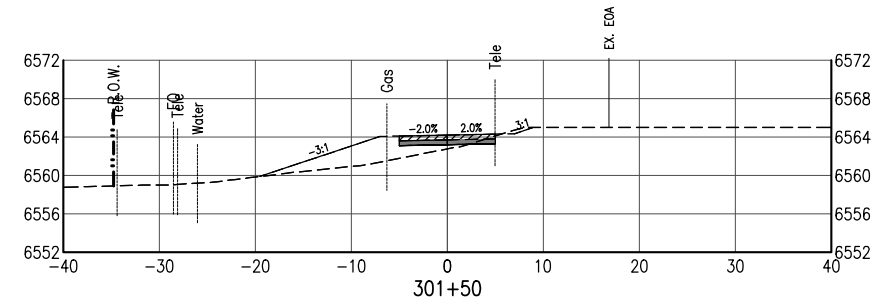
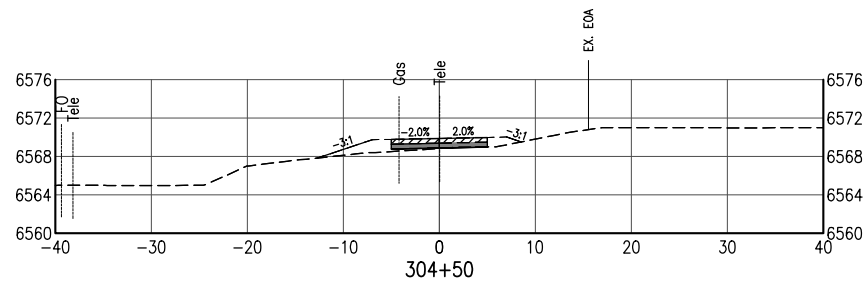
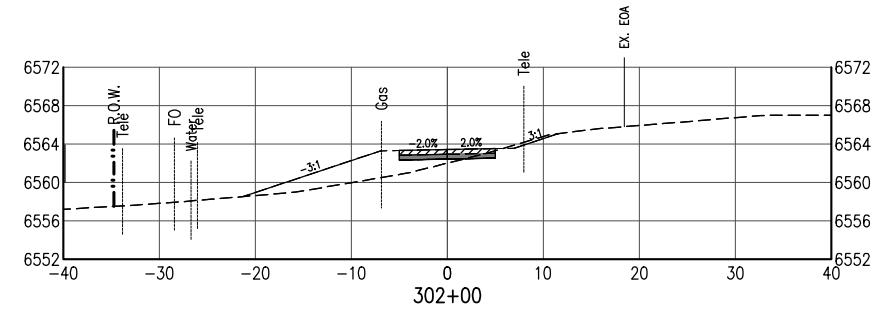
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Date:	Comments	Init.



As Constructed	ARROYO HONDO TRAIL CROSS SECTIONS (SEGMENT 3)		Project No./Code
No Revisions:	Designer: SJB	Structure Numbers	Arroyo Hondo Trail
Revised:	Detailer: LX	Subset Sheets: 25	325-12126
Void:	Sheet Subset: X-24		90

100% CONSTRUCTION PLANS - SEPTEMBER 2023

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Unit Information Unit Leader Initials

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Date:	Comments	Init.

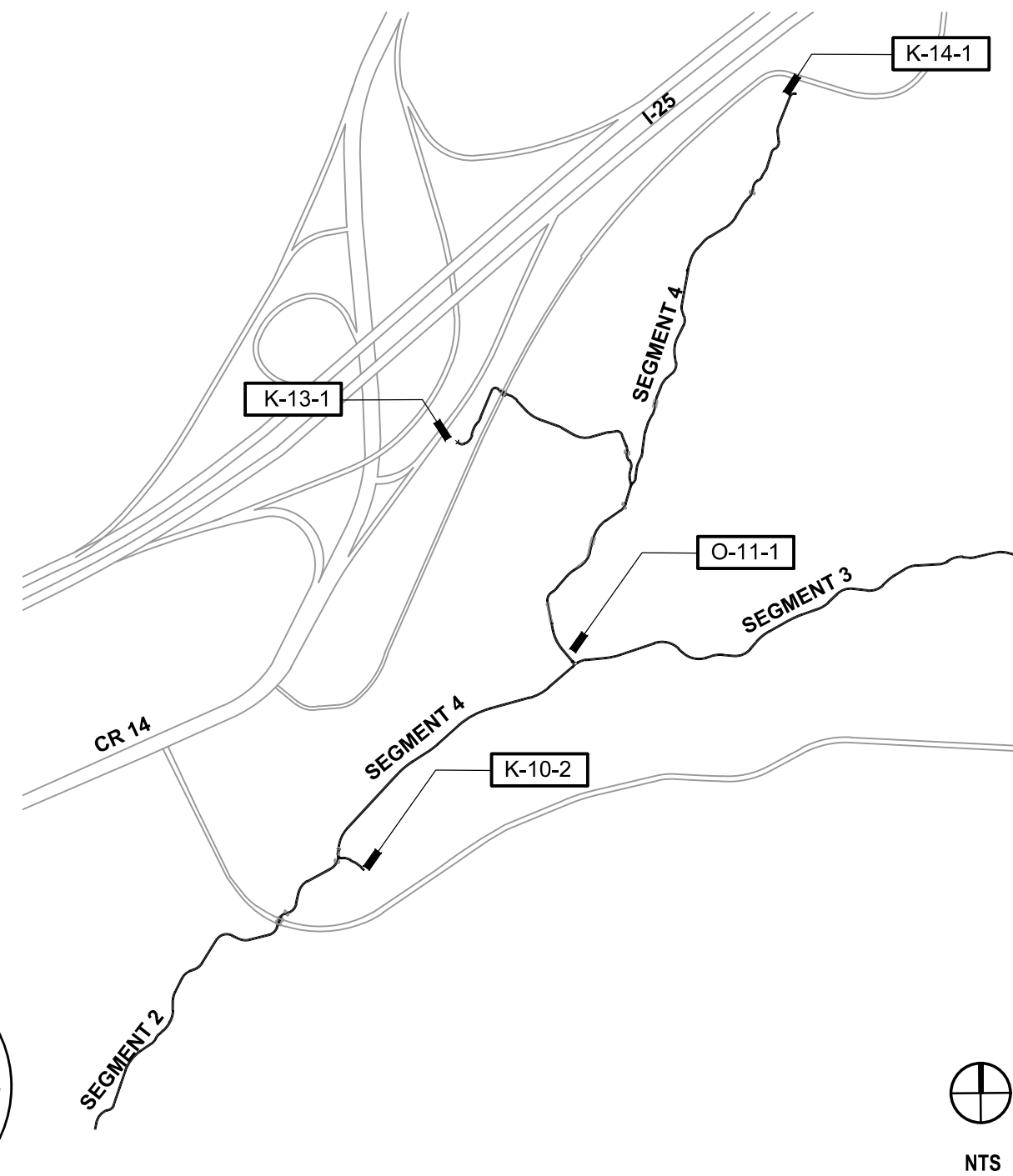


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No Revisions:  
Revised:  
Void:

ARROYO HONDO TRAIL CROSS SECTIONS (SEGMENT 3A)			
Designer:	SJB	Structure	Numbers
Detailer:	LX	Subset Sheets:	25
Sheet Subset:	X-25		

Project No./Code
Arroyo Hondo Trail
325-12126
<b>91</b>

**SEGMENT 4 EXISTING SIGN LOCATIONS**



**SEGMENT 4 EXISTING SIGN MATRIX**

**KIOSK SIGNS**

SIGN NUMBER	K-10-2	K-13-1	K-14-1		
<b>PRIMARY KIOSK SIGN</b>					
<b>MAP</b>	1				
<b>RULES</b>					
<b>SUB HEADER PANEL (CONTENT)</b>					
"RAIL RUNNER TRAILHEAD"					
"VELOCITY WAY TRAILHEAD"					
"FIRE STATION TRAILHEAD"					
<b>SECONDARY KIOSK SIGN</b>					
<b>HEADER PANEL</b>					
<b>MAP</b>		1	1		
<b>RULES</b>					

1 INSTALL GRAPHIC ON EXISTING SIGN PANEL

**ORIENTATION MAP SIGNS**

SIGN NUMBER	O-11-1				
<b>HEADER PANEL</b>					
<b>MAP</b>	1				
<b>DIRECTIONAL PANEL (CONTENT)</b>					
"ARROYO HONDO TRAIL NORTH"	←				
"RAIL RUNNER STATION"					
"SF COMMUNITY COLLEGE"	→				

1 INSTALL GRAPHIC ON EXISTING SIGN PANEL

**GENERAL CONDITIONS NOTES**

- Work performed shall comply with the following:
  - These General Notes, and Construction Documents and Specifications.
  - All applicable local, state and federal codes, ordinances and regulations. All codes listed in Specifications and Drawings shall be inclusive of all codes, regulations and requirements adopted by the State of New Mexico, including all Amendments.
- Source of base information is Loris and Associates, Inc., and is assumed to be correct. Report any discrepancies immediately to the Owner's representative.
- Verify locations of pertinent site improvements installed under other contracts. If any part of this plan cannot be followed due to site conditions, contact owner's representative for instructions prior to commencing work.
- Contact local underground utility services for utility location and identification, prior to commencing work.
- Perform excavation in the vicinity of underground utilities with care and by hand, if necessary. The contractor bears full responsibility for this work and disruption of damage to utilities shall be repaired immediately and at no expense to the owner.

**LAYOUT NOTES**

- On-site verification of all dimensions and conditions shall be the responsibility of the General Contractor. Noted dimensions take precedence over scale, larger scale over smaller scale, addenda and clarifications over previous documents.
- Contractor to lay out site improvements and verify layout with Landscape Architect prior to construction. Any discrepancies or conflicts with existing conditions or other drawings shall be reported to the Landscape Architect immediately for proper clarification or adjustment.
- For dimensions of new construction and related work, refer to the engineering drawings.
- Where dimensions are called as "equal," space referenced items equally, measured to their center lines.
- Measurements are to edge of trail tread or fixed site improvement. Dimensions to center lines is as indicated.
- Install intersecting elements at 90 degree angles to each other unless otherwise noted.

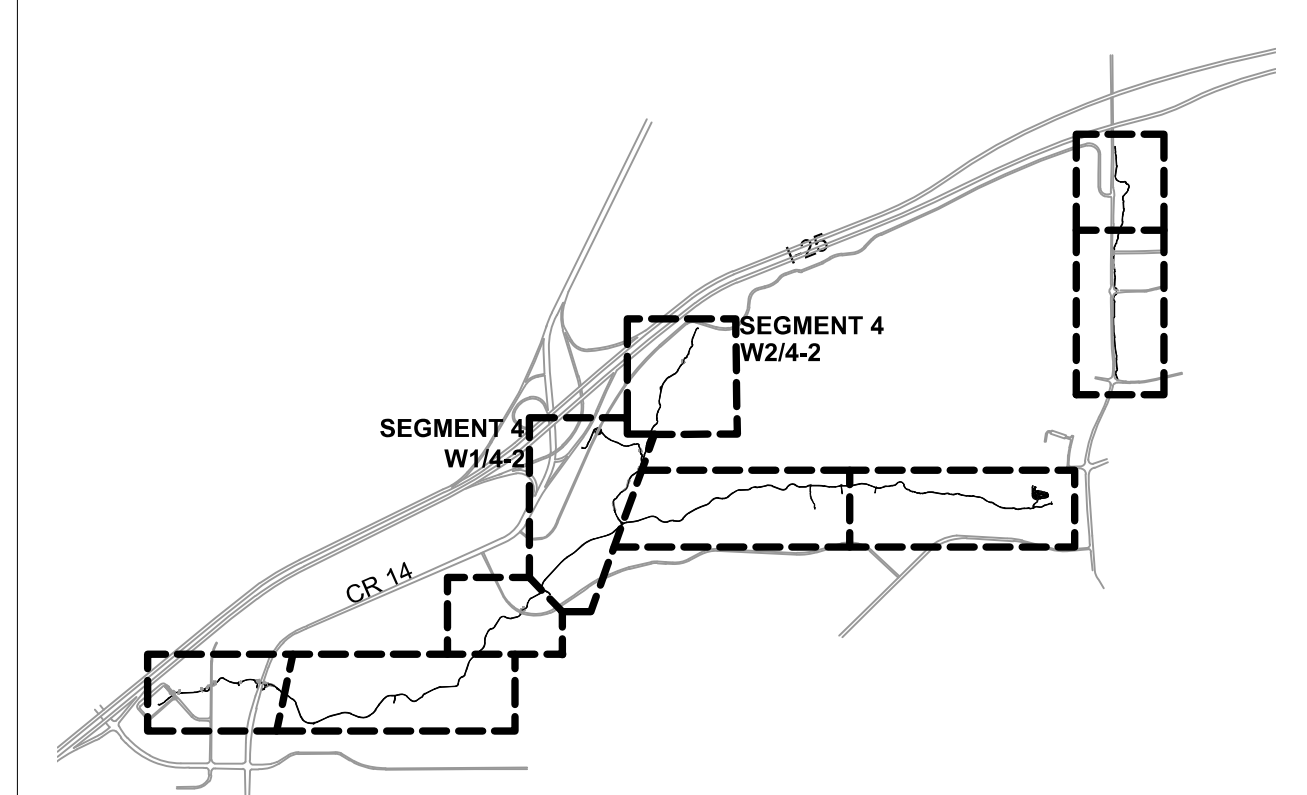
**SIGNAGE NOTES**

- Fabricator / installer shall be responsible for providing permits, work, and materials in accordance with all codes, ordinances and regulations applicable at the project location. Where applicable, approved drawings from a structural engineer licensed in New Mexico shall be supplied by the fabricator.
- These drawings are intended to provide sufficient information to convey general design intent to the sign fabricator / installer. Additional technical information, shop drawings, and detailing is required to be submitted by the sign fabricator to the architect for review and comment. It is the sign fabricator / installer's responsibility to supply sufficient information for the successful completion of this project.
- Sign fabricator / installer shall be responsible for checking contract documents, field conditions, and dimensions for accuracy and confirming that all work is buildable as shown before proceeding with fabrication. If there are any discrepancies or omissions which would interfere with satisfactory completion of the work, the sign fabricator / installer shall obtain a clarification from the architect / designer before proceeding with the work in question.
- Dimensions are not adjustable, unless noted (+/-). Do not scale drawings.
- Sign fabricator / installer is responsible for the means, methods, and techniques of installation, safety precautions in connection with the work, and for the acts or omissions of the subcontractors.
- Install all manufactured items, materials, and equipment in strict accordance with manufacturer's recommended specifications.
- Sign fabricator / installer shall maintain site in a clean and orderly condition at all times.
- Sign fabricator / installer shall protect all surfaces not involved in the work from any damage.
- Sign fabricator / installer shall repair all surfaces damaged during the installation of the sign system.
- All materials and workmanship shall be guaranteed by the sign fabricator / installer for one (1) year from the date of substantial completion.
- Sign fabricator / installer shall provide adequate erosion control during the course of the project.
- Standardization of Sign Location + Mounting Heights: Signs requiring different decisions by the road / trail user shall be spaced sufficiently using the MUTCD Standards as a guideline. Signs installed at the side of the road in rural districts shall be at least 5 ft., measured from the bottom of the sign to the near edge of the pavement. Where parking or pedestrian movements occur, the clearance to the bottom of the sign shall be at least 7 ft. clearance above grade.
- All graphics shall be supplied in digital EPS (encapsulated postscript) form. All type shall be outlined and supplied in digital EPS or PDF (Portable Document Format) form.
- Actual sign locations to be verified with municipality representative and the architect prior to installation.
- Sign fabricator / installer shall be responsible for contacting utility representatives before the start of the project.
- Existing sign panels shall be reused when possible. Sign fabricator / installer shall remove existing vinyl graphic, clean free of adhesive, and apply new graphic. Damaged or dented panels shall be replaced by sign fabricator / installer.

**TABLE OF ABBREVIATIONS**

APPROX	APPROXIMATE	MH	MANHOLE
ARCH	ARCHITECT	MIN	MINIMUM
AVG	AVERAGE	MISC	MISCELLANEOUS
B+B	BALLED AND BURLAPPED	N	NORTH
BF	BOTTOM OF FOOTING	NIC	NOT IN CONTRACT
BLDG	BUILDING	NO	NUMBER
BM	BENCHMARK	NOM	NOMINAL
BOC	BACK OF CURB	NTS	NOT TO SCALE
BR	BOTTOM OF RAMP	OC	ON CENTER
BS	BOTTOM OF STEP	OD	OUTSIDE DIAMETER
BW	BOTTOM OF WALL	OPP	OPPOSITE
CAL	CALIPER	PAR	PARALLEL
CAP	CAPACITY	PC	POINT OF CURVATURE
CF	CUBIC FEET	PE	POLYURETHANE
CHAM	CHAMFER	PERF	PERFORATED
CIP	CAST IN PLACE	PED	PEDESTRIAN
CJ	CONTROL JOINT	PI	POINT OF INTERSECTION
CL	CENTER LINE	PL	PROPERTY LINE
CLR	CLEARANCE	PT	POINT, POINT OF TANGENCY
CM	CENTIMETER	PVC	POLYVINYL CHLORIDE
CO	CLEAN OUT	PVMT	PAVEMENT
COMP	COMPACTED	PVR	PAVER
CONC	CONCRETE	QTY	QUANTITY
CONST	CONSTRUCTION	R	RADIUS
CONT	CONTINUOUS	REF	REFERENCE
CONTR	CONTRACTOR	REG.	REGULATORY
CU	CUBIC	REINF	REINFORCE(D)
CY	CUBIC YARD	REQ'D	REQUIRED
DEMO	DEMOLISH, DEMOLITION	REV	REVISION, REVISED
DIA	DIAMETER	ROW	RIGHT OF WAY
DIM	DIMENSION	RT	RIGHT
DTL	DETAIL	S	SOUTH
DWG	DRAWING	SS	SANITARY SEWER
E	EAST	SCH	SCHEDULE
EA	EACH	SD	STORM DRAIN
EJ	EXPANSION JOINT	SEC	SECTION
EL	ELEVATION	SF	SQUARE FOOT (FEET)
ELEC	ELECTRICAL	SHT	SHEET
ENG	ENGINEER	SIM	SIMILAR
EQ	EQUAL	SNT	SEALANT
EQUIP	EQUIPMENT	SPECS	SPECIFICATIONS
EST	ESTIMATE	SQ	SQUARE
E.W.	EACH WAY	ST	STORM SEWER
EXIST	EXISTING	SY	SQUARE YARD
EXP	EXPANSION, EXPOSED	STA	STATION
FFE	FINISHED FLOOR ELEVATION	STD	STANDARD
FG	FINISHED GRADE	STL	STEEL
FIN	FINISH	STRL	STRUCTURAL
FL	FLOW LINE	SYM	SYMMETRICAL
FLOW	FACE OF WALL	T&B	TOP AND BOTTOM
FT	FOOT (FEET)	TBC	TOP OF BACK CURB
FTG	FOOTING	TC	TOP OF CURB
GA	GAUGE	TECH	TECHNICAL
GAL	GALVANIZED	TF	TOP OF FOOTING
GEN	GENERAL	TRANS	ELECTRIC TRANSFORMER
HORIZ	HORIZONTAL	TOC	TOP OF CONCRETE
HP	HIGH POINT	TOPO	TOPOGRAPHY
HT	HEIGHT	TR	TOP OF RAMP
ID	INSIDE DIAMETER	TSL	TOP OF SLAB
INV	INVERT ELEVATION	TS	TOP OF STEP
IN	INCH(ES)	TW	TOP OF WALL
INCL	INCLUDE(D)	TYP	TYPICAL
IRR	IRRIGATION	VAR	VARIES
JT	JOINT	VERT	VERTICAL
LN	LINEAR	VEH	VEHICLE
LF	LINEAR FEET	VOL	VOLUME
LP	LOW POINT	W	WITH
LT	LIGHT	W/O	WITHOUT
MATL	MATERIAL	WT	WEIGHT
MAX	MAXIMUM	WWF	WELDED WIRE FABRIC
MEMB	MEMBRANE	YD	YARD
MD	MAIN DISCONNECT SWITCH	@	AT

**KEY MAP**



KEY MAP



**WAYFINDING SIGNAGE SHEET LIST**

W1-1	GENERAL NOTES AND KEY MAP
W2-2	SEGMENT 2 WAYFINDING PLAN
W2-3	SEGMENT 2 SIGN CONTENT MATRIX
W3-2	SEGMENT 3 WAYFINDING PLAN
W3-3	SEGMENT 3 SIGN CONTENT MATRIX
W-1	SIGN DETAILS
W-2	SIGN DETAILS
W-3	SIGN DETAILS
W-4	SIGN DETAILS

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Sheet Revisions		
Date:	Comments	Init.



As Constructed

No Revisions:

Revised:

Void:

**ARROYO HONDO TRAIL SYSTEM**  
**WAYFINDING PLAN**  
**(GENERAL NOTES)**

Designer:	Structure
Detailer:	Numbers
Sheet Subset: <b>W1-1</b>	Subset Sheets: <b>9</b>

Project No./Code

Arroyo Hondo Trail

325-12126

92



**1 SEGMENT 2 - WEST**

W2 - 2 SCALE: 1" = 200'-0" PLAN



**WAYFINDING LEGEND**

	MATCH LINE
	PROPOSED TRAIL
	INTERSECTION NUMBER
	VEHICULAR MONUMENT SIGN
	KIOSK SIGN - PRIMARY
	KIOSK SIGN - SECONDARY
	ORIENTATION SIGN
	DIRECTIONAL SIGN - THREE DIRECTIONS
	DIRECTIONAL SIGN - TWO DIRECTIONS
	DIRECTIONAL SIGN - ONE DIRECTION
	MARKER - RULES SIGN
	MARKER

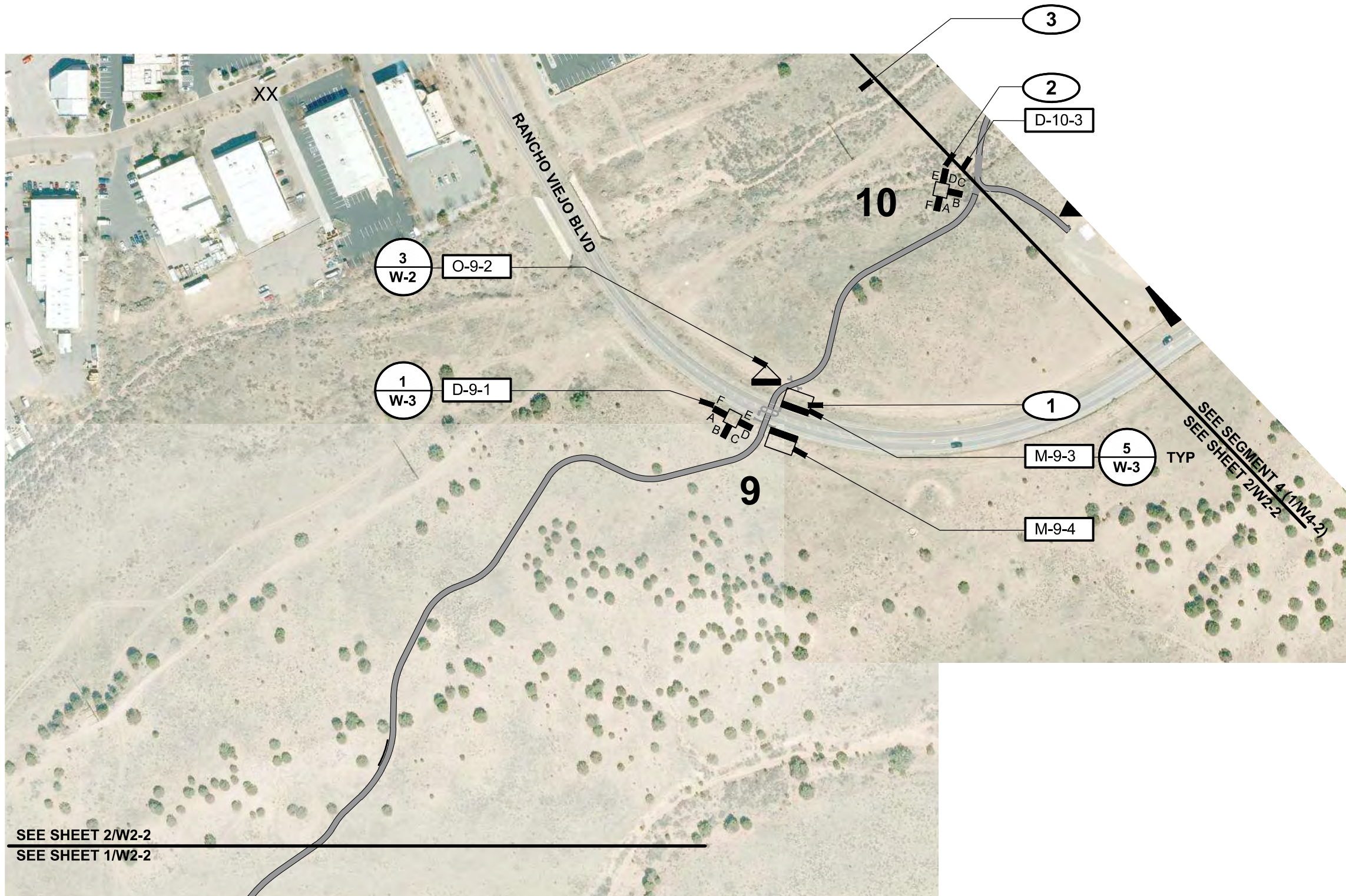
**SYMBOL KEY**

	SIGN NUMBER
	INTERSECTION NUMBER
	V: VEHICULAR
	K: KIOSK
	O: ORIENTATION
	D: DIRECTIONAL
	M: MARKER

SEE SHEET W2-3 FOR SIGN SCHEDULE WITH SIGN CONTENT

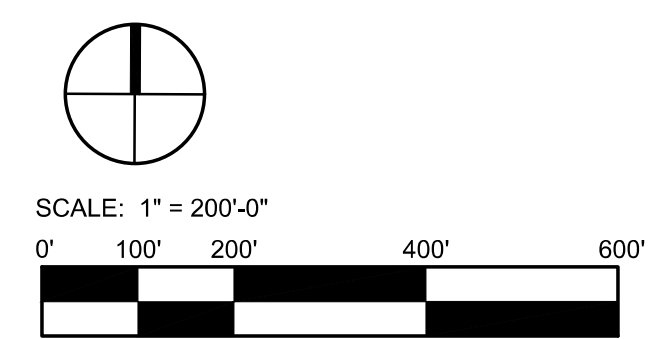
- GENERAL LAYOUT NOTES**
- WAYFINDING SIGN LOCATIONS ARE FOR GRAPHIC PURPOSES ONLY. FINAL LOCATIONS OF ALL SIGNS TO BE FLAGGED BY LANDSCAPE ARCHITECT AND VERIFIED IN FIELD.
  - ALL SIGNS WITH MAPS TO BE INSTALLED TO BE VISIBLE WHEN ORIENTED DUE NORTH (I.E. MAP CONTENT TO FACE DUE SOUTH). CONFIRM FINAL ORIENTATION AND LOCATION OF SIGNS WITH MAPS IN FIELD WITH LANDSCAPE ARCHITECT.
  - ALL SIGN POSTS TO BE LOCATED PARALLEL TO TRAIL TREAD AT A MINIMUM OF 2' CLEAR FROM EDGE OF DEFINED TRAIL TREAD, UNLESS OTHERWISE NOTED.
  - COORDINATE FINAL LOCATION OF WAYFINDING SIGNAGE WITH CONSTRUCTED TRAIL FEATURES, EXISTING VEGETATION, AND PROPOSED MUTCD SIGNAGE.

- WAYFINDING KEYED NOTES**
- MARKER SIGN IN THIS LOCATION TO SHARE ONE POST: AHT LOGO, MILE MARKER PANEL, AND YIELD AND RULE ICON PANEL.
  - EXISTING SIGN; REMOVE EXISTING HEADER PANELS AND DIRECTIONAL PANELS; INSTALL NEW SIGN PANELS AS INDICATED; WHERE POSSIBLE SALVAGE AND REUSE EXISTING SIGN PANEL / APPLY NEW VINYL GRAPHIC TO EXISTING PANEL.
  - EXISTING SEGMENT 4 SIGNS. SEE SHEET W1-1 FOR LOCATION AND SIGN CONTENT MATRIX; INSTALL NEW MAP PANELS ONLY FOR K-10-2, K-13-1, AND K-14-1; WHERE POSSIBLE SALVAGE AND REUSE EXISTING SIGN PANEL, APPLY NEW VINYL GRAPHIC TO EXISTING PANEL.



**2 SEGMENT 2 - EAST**

W2 - 2 SCALE: 1" = 200'-0" PLAN



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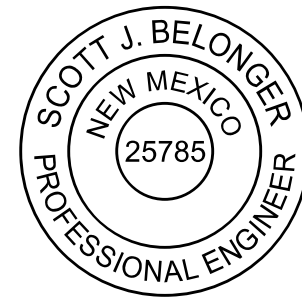
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File Name:	
Horiz. Scale:	Vert. Scale: As Noted
Unit Information:	Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.



As Constructed
No Revisions:
Revised:
Void:

ARROYO HONDO TRAIL SYSTEM WAYFINDING PLAN (SEGMENT 2)		
Designer:	Structure	Project No./Code Arroyo Hondo Trail 325-12126 93
Detailer:	Numbers	
Sheet Subset: <b>W2-2</b>	Subset Sheets: <b>9</b>	



### KIOSK SIGNS

SIGN NUMBER	K-7-1		
<b>PRIMARY KIOSK SIGN</b>			
<b>MAP</b>			
<b>RULES</b>			
<b>SUB HEADER PANEL (CONTENT)</b>			
"RAIL RUNNER TRAILHEAD"			
"VELOCITY WAY TRAILHEAD"			
"FIRE STATION TRAILHEAD"			
<b>SECONDARY KIOSK SIGN</b>			
<b>HEADER PANEL</b>	2		
<b>MAP</b>	1		
<b>RULES</b>	1		

### GENERAL NOTES MATRIX CONTENT

- SIGN CONTENT MATRIX FOR BIDDING PURPOSES ONLY; CONFIRM FINAL GRAPHIC CONTENT WITH ARCHITECT PRIOR TO FABRICATION OF SIGNAGE; GRAPHIC FILES TO BE PROVIDED BY ARCHITECT.
- REFER TO SIGN CONTENT MATRIX FOR CONTENT UNIQUE TO EACH SIGN TYPE.

### DETAIL KEY

VEHICULAR SIGN	DETAIL	MARKER	DETAIL
HEADER PANEL	1/W-4	HEADER PANEL	11/W-4
SUB HEADER PANEL	1/W-4	TRAIL YIELD PANEL	13/W-4
		RULES PANEL	14/W-4
		DISTANCE PANEL	12/W-4
<b>KIOSK SIGN</b>		<b>DIRECTIONAL SIGN</b>	
<i>PRIMARY KIOSK SIGN</i>		HEADER PANEL	10/W-4
HEADER PANEL	2/W-4	DIRECTIONAL PANEL	10/W-4
SUB HEADER PANEL	2/W-4		
MAP PANEL	3/W-4		
RULES PANEL	4/W-4		
<i>SECONDARY KIOSK SIGN</i>			
HEADER PANEL	5/W-4		
MAP PANEL	6/W-4		
RULES PANEL	7/W-4		
<b>ORIENTATION SIGNS</b>			
HEADER PANEL	9/W-4		
DIRECTIONAL PANEL	9/W-4		
MAP PANEL	8/W-4		

### ORIENTATION MAP SIGNS

SIGN NUMBER	O-9-2			
<b>HEADER PANEL</b>	1			
<b>MAP</b>	1			
<b>DIRECTIONAL PANEL (CONTENT)</b>				
"ARROYO HONDO TRAIL NORTH"				
"RAIL RUNNER STATION"	←			
"SF COMMUNITY COLLEGE"	→			

### MARKER SIGNS

SIGN NUMBER	M-7-2	M-7-4	M-8-2	M-8-3	M-9-3	M-9-4
<b>HEADER PANEL</b>	1	1	1	1	1	1
<b>TRAIL YIELD PANEL</b>		1	1		1	1
<b>RULES PANEL</b>		1	1		1	1
<b>DISTANCE PANEL (CONTENT)</b>						
"MILE 0.0"						
"MILE 0.5"	1					
"MILE 1.0"				1		
"MILE 1.5"					1	
"MILE 2.0"						
"MILE 2.5"						

### DIRECTIONAL SIGNS

SIGN NUMBER	D-7-3	D-7-3	D-7-3	D-7-3	D-7-3	D-7-3	D-8-1	D-8-1	D-8-1	D-8-1	D-8-1	D-8-1	D-8-1	D-9-1	D-9-1	D-9-1	D-9-1	D-9-1	D-9-1	D-10-3	D-10-3	D-10-3	D-10-3	D-10-3	D-10-3
SIDE (A, B, C, OR D)	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	
<b>TOTAL PANEL QUANTITY</b>	2	2	0	2	0	0	2	2	0	2	0	0	2	2	0	2	0	0	2	2	0	2	0	0	
<b>TOTAL GRAPHIC QUANTITY</b>	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
<b>HEADER PANEL (GRAPHIC)</b>																									
"AHT LOGO"	1	1	1	1			1	1	1	1			1	1	1	1	1	1	1	1	1	1	1	1	
BLANK (COLORED BACKGROUND)					1	1					1	1													
<b>DIRECTIONAL PANEL (GRAPHIC) *see plans</b>																									
"BLANK" (COLORED BACKGROUND)					1	1					1	1											1	1	
"RAIL RUNNER STATION"	←						←							→	←							→			
"SF COMMUNITY COLLEGE"				→						→															
"EAST FRONTAGE ROAD"																									
"FOREST LANE"																									
"COUNTY ROAD 14"																									
"VISTA DEL ARROYO"		→	←																						
"CARSON VALLEY WAY"								→	←																
"RANCHO VIEJO BLVD"														←		→	←	→							
"FIRE STATION TRAILHEAD"																						→	←		
"ARROYO HONDO TRAIL NORTH"																									

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Unit Information      Unit Leader Initials

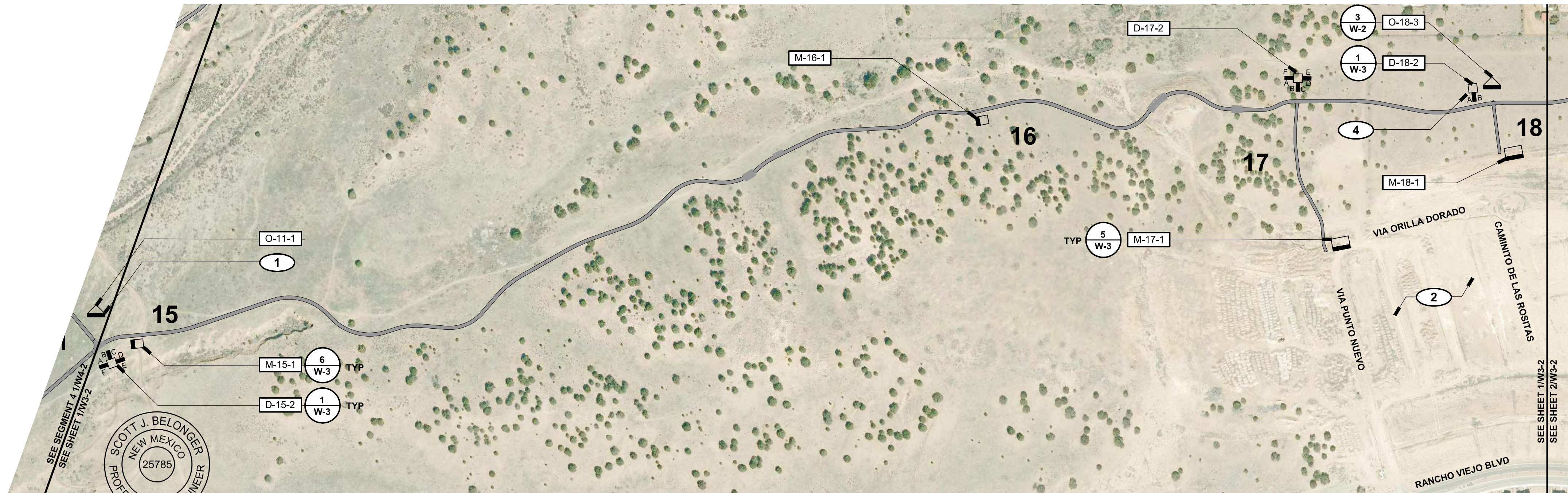
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Date:	Comments	Init.



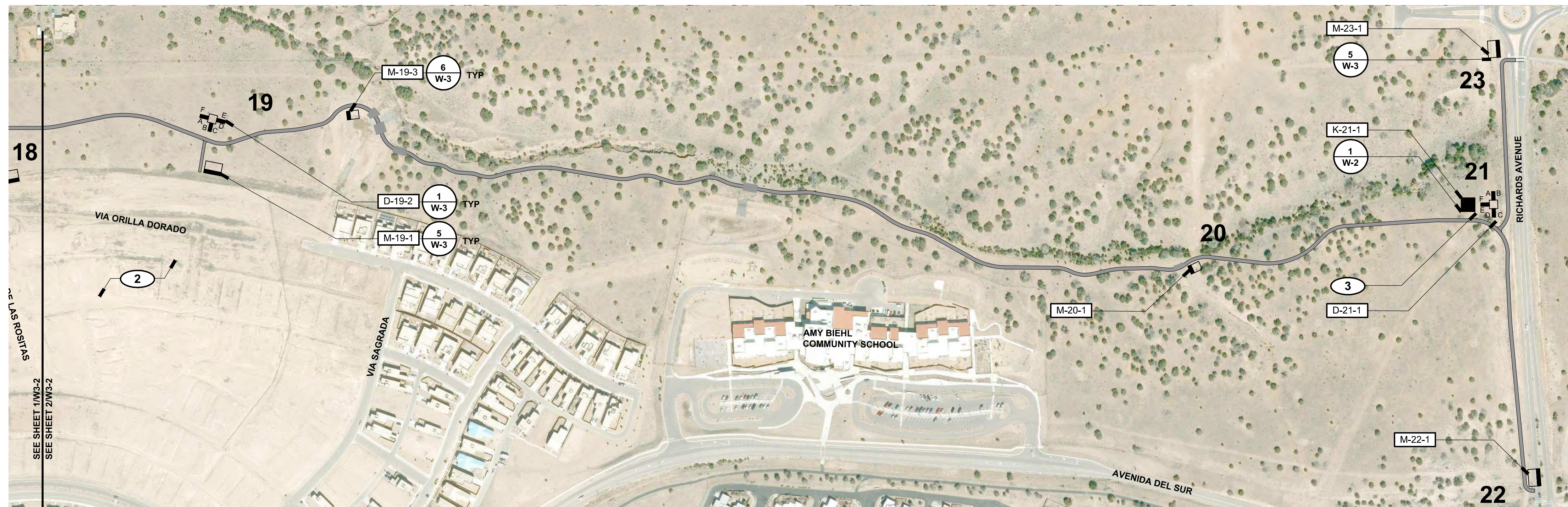
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ARROYO HONDO TRAIL SYSTEM WAYFINDING PLAN (SEGMENT 2 SIGN CONTENT MATRIX)		
Designer:	Structure Numbers	
Detailer:		
Sheet Subst: W2-3	Subset Sheets: 9	

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**1 SEGMENT 3 - WEST**  
W3 - 2 SCALE: 1" = 200'-0" PLAN



**2 SEGMENT 3 - EAST**  
W3 - 2 SCALE: 1" = 200'-0" PLAN

**WAYFINDING LEGEND**

- MATCH LINE
- PROPOSED TRAIL
- INTERSECTION NUMBER
- VEHICULAR MONUMENT SIGN
- KIOSK SIGN - PRIMARY
- KIOSK SIGN - SECONDARY
- ORIENTATION SIGN
- DIRECTIONAL SIGN - THREE DIRECTIONS
- DIRECTIONAL SIGN - TWO DIRECTIONS
- DIRECTIONAL SIGN - ONE DIRECTION
- MARKER - RULES SIGN
- MARKER

**SYMBOL KEY**

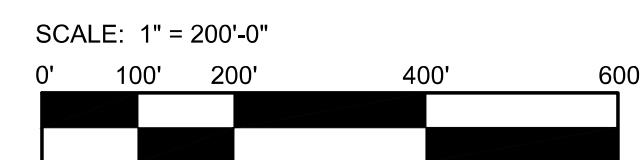
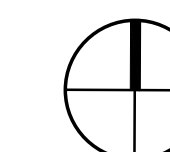
- SIGN NUMBER
  - INTERSECTION NUMBER
  - SIGN TYPE
  - V: VEHICULAR
  - K: KIOSK
  - O: ORIENTATION
  - D: DIRECTIONAL
  - M: MARKER
- SEE SHEET W3-3 FOR SIGN SCHEDULE WITH SIGN CONTENT

**GENERAL LAYOUT NOTES**

1. WAYFINDING SIGN LOCATIONS ARE FOR GRAPHIC PURPOSES ONLY. FINAL LOCATIONS OF ALL SIGNS TO BE FLAGGED BY LANDSCAPE ARCHITECT AND VERIFIED IN FIELD.
2. ALL SIGNS WITH MAPS TO BE INSTALLED TO BE VISIBLE WHEN ORIENTED DUE NORTH (I.E. MAP CONTENT TO FACE DUE SOUTH). CONFIRM FINAL ORIENTATION AND LOCATION OF SIGNS WITH MAPS IN FIELD WITH LANDSCAPE ARCHITECT.
3. ALL SIGN POSTS TO BE LOCATED PARALLEL TO TRAIL TREAD AT A MINIMUM OF 2' CLEAR FROM EDGE OF DEFINED TRAIL TREAD, UNLESS OTHERWISE NOTED.
4. COORDINATE FINAL LOCATION OF WAYFINDING SIGNAGE WITH CONSTRUCTED TRAIL FEATURES, EXISTING VEGETATION, AND PROPOSED MUTCD SIGNAGE.

**WAYFINDING KEYED NOTES**

- 1** EXISTING SEGMENT 4 SIGN. SEE SHEET W1-1 FOR SIGN CONTENT MATRIX; INSTALL NEW MAP PANEL. WHERE POSSIBLE SALVAGE AND REUSE EXISTING SIGN PANEL / APPLY NEW VINYL GRAPHIC TO EXISTING PANEL; INSTALL NEW DIRECTIONAL PANELS AS INDICATED.
- 2** SUBDIVISION UNDER CONSTRUCTION; CONTRACTOR TO VERIFY STREET NAMES AND SIGN PANEL NAMES AT JUNCTIONS 17,18,19 PRIOR TO PRINTING SIGNS.
- 3** ALIGN DIRECTIONAL SIGN POST AND SECONDARY SIGN POSTS PERPENDICULAR WITH TRAIL, TYP.



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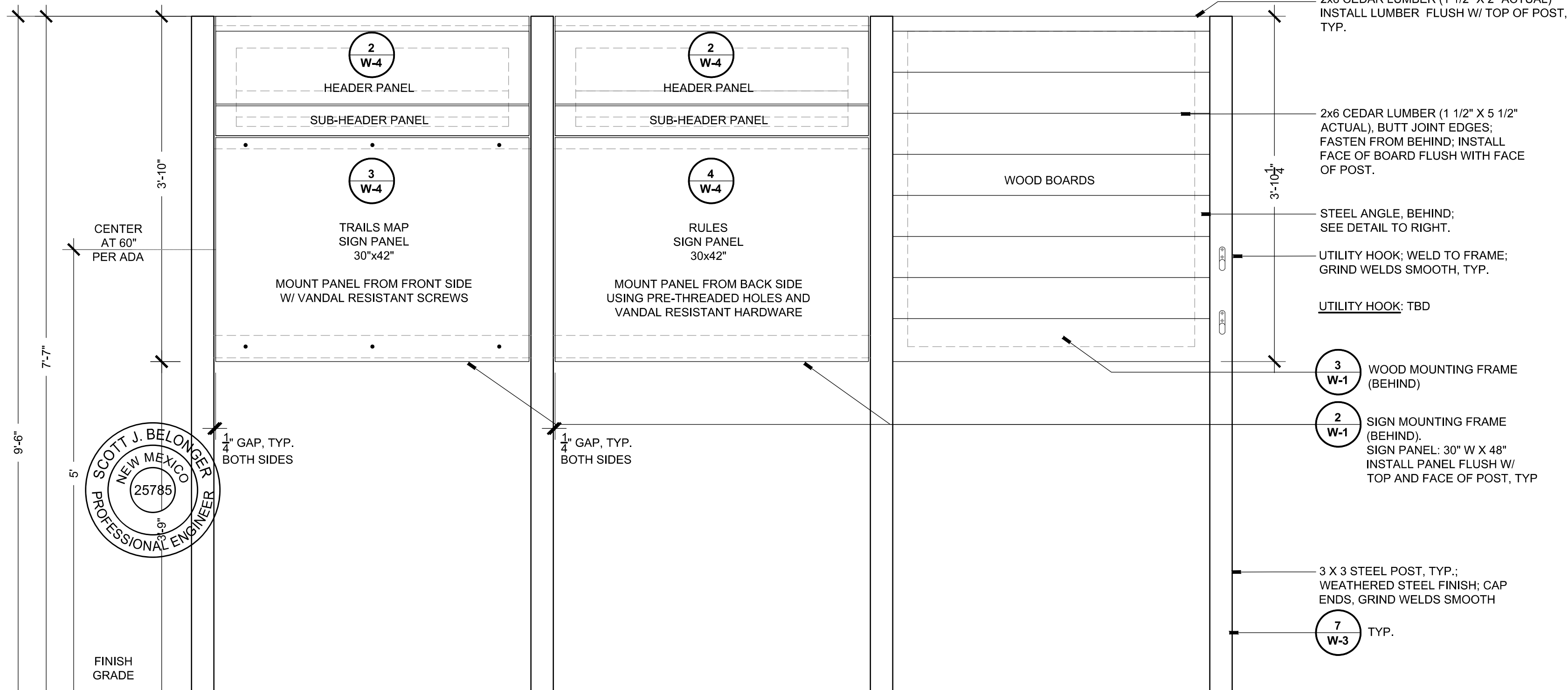
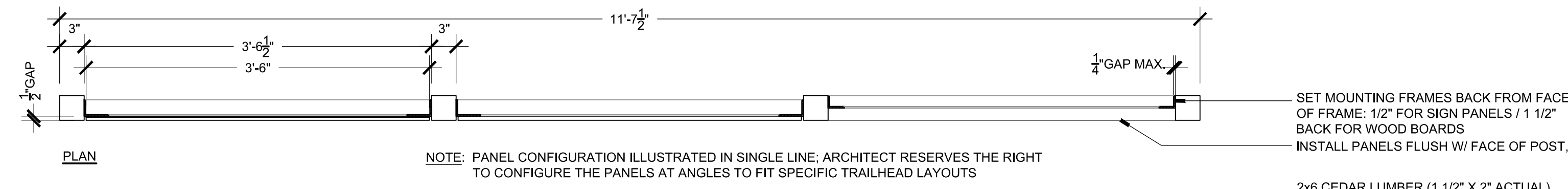
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<b>ARROYO HONDO TRAIL SYSTEM</b>	
<b>WAYFINDING PLAN</b>	
<b>(SEGMENT 3)</b>	
Designer:	Structure Numbers
Detailer:	
Sheet Subset: <b>W3-2</b>	Subset Sheets: <b>9</b>

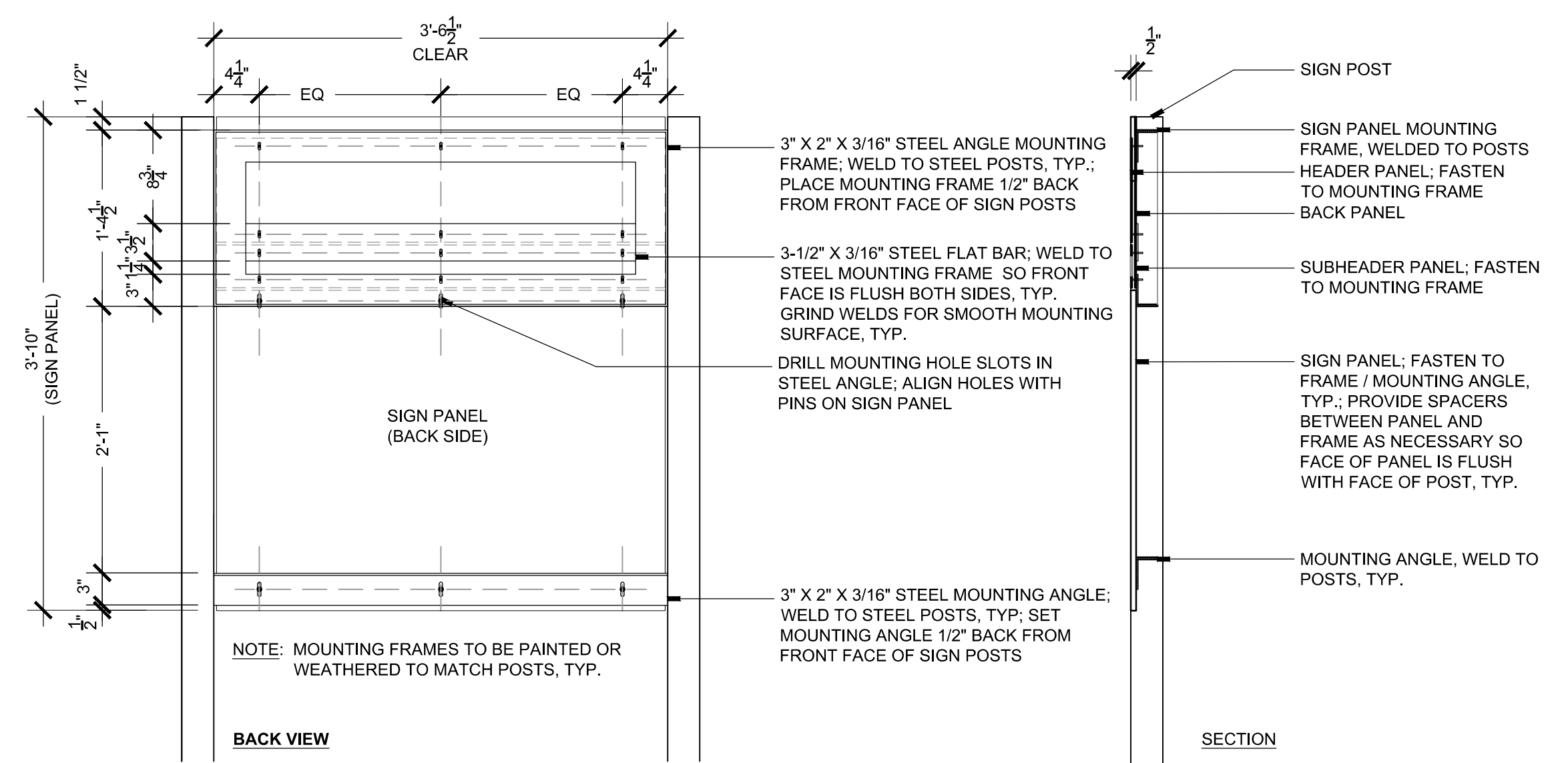
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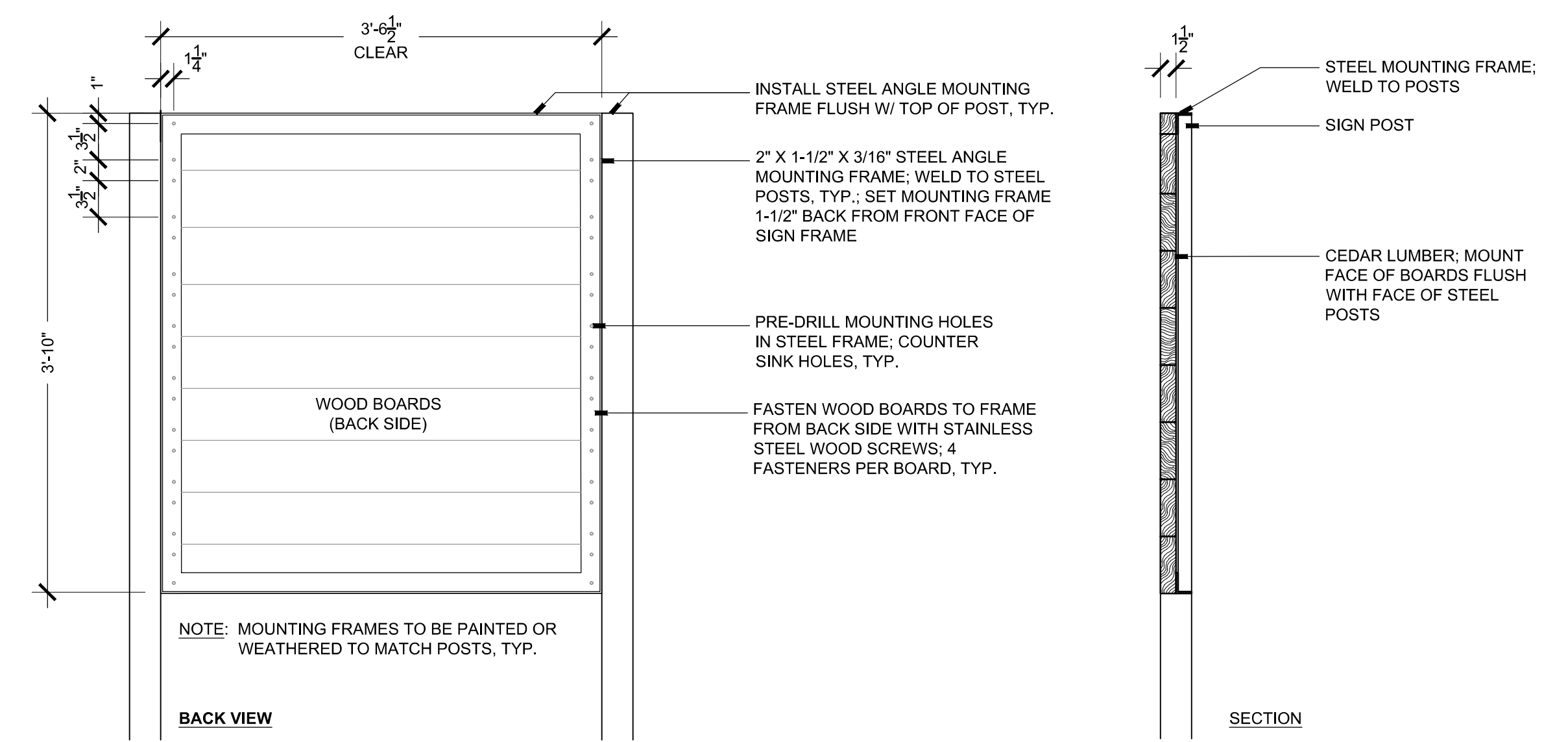




**1 KIOSK SIGN - PRIMARY**  
ELEVATION



**2 KIOSK SIGN - PRIMARY (SIGN PANEL MOUNTING FRAME)**  
SCALE: 1"=1'-0"



**3 KIOSK SIGN - PRIMARY (WOOD MOUNTING DETAIL)**  
SCALE: 1"=1'-0"

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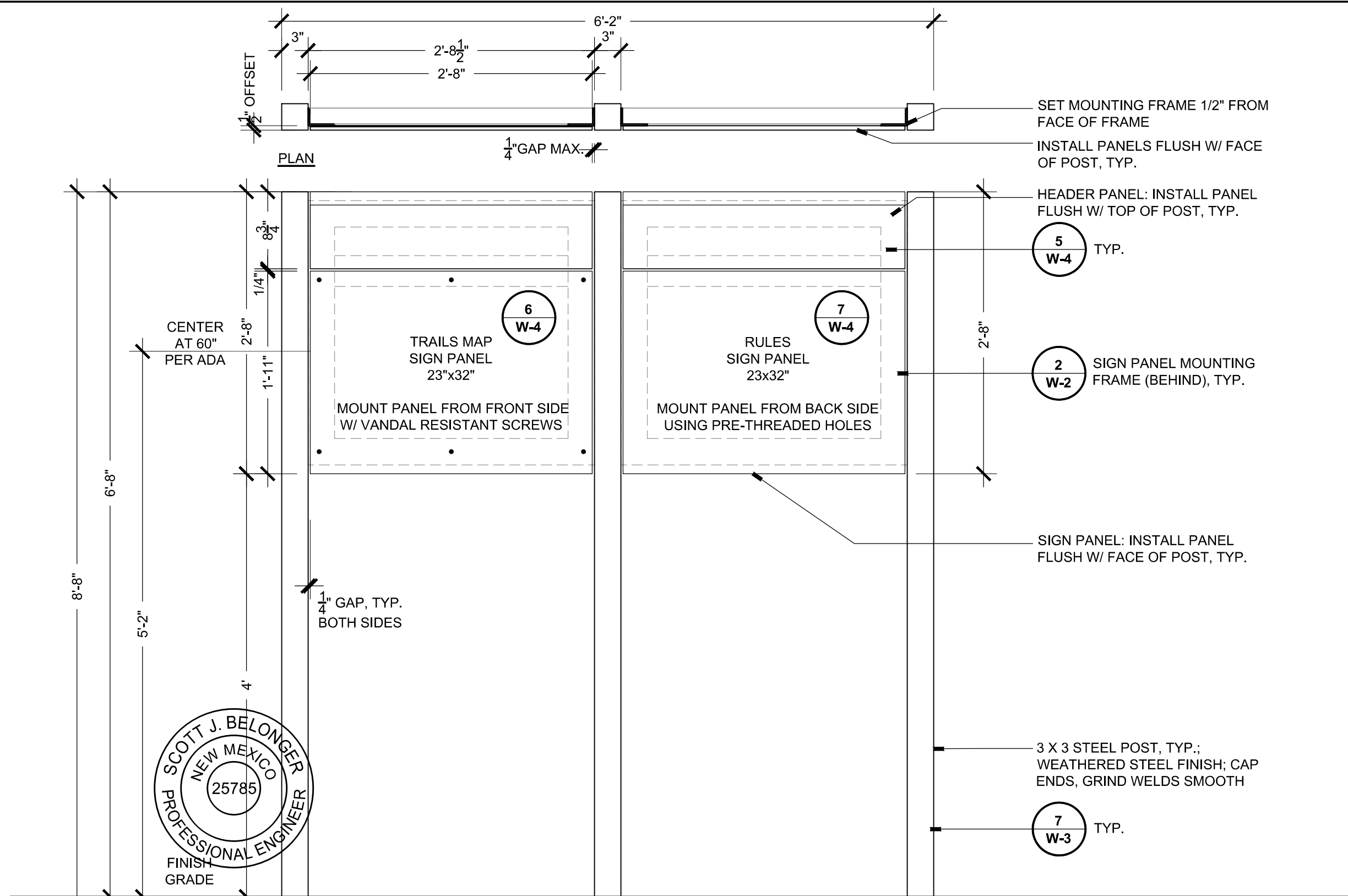
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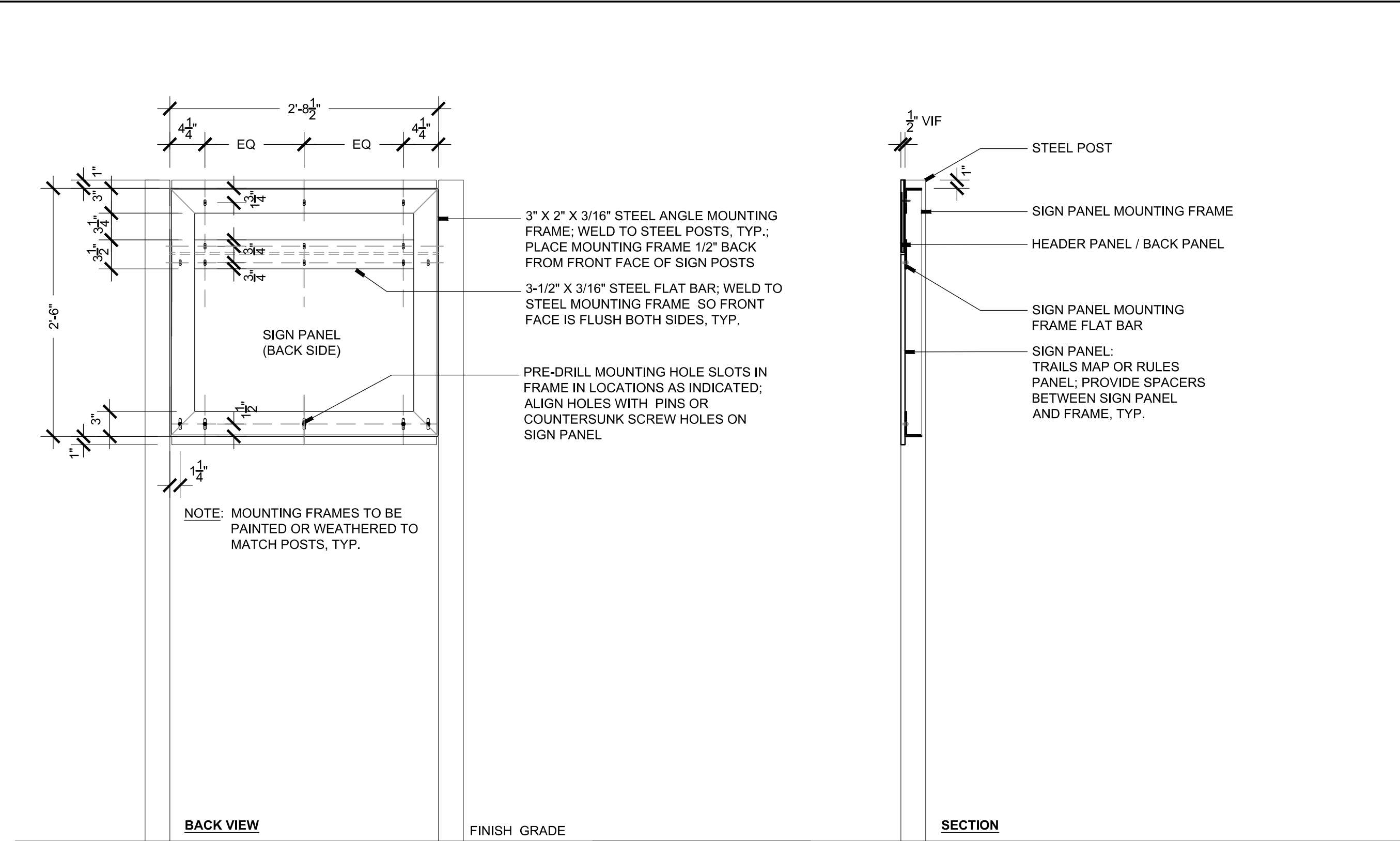
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Designer:	Structure Numbers		
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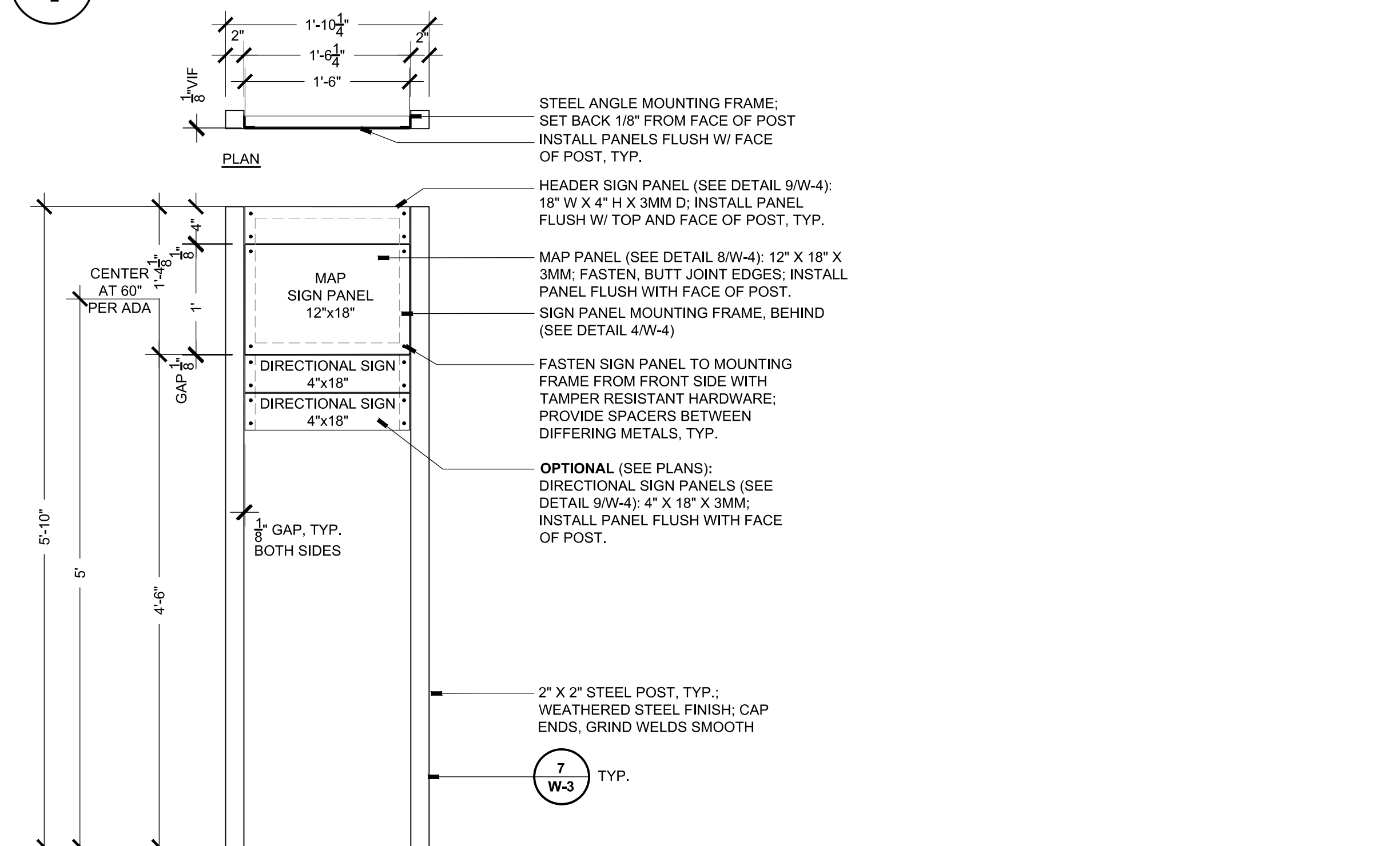
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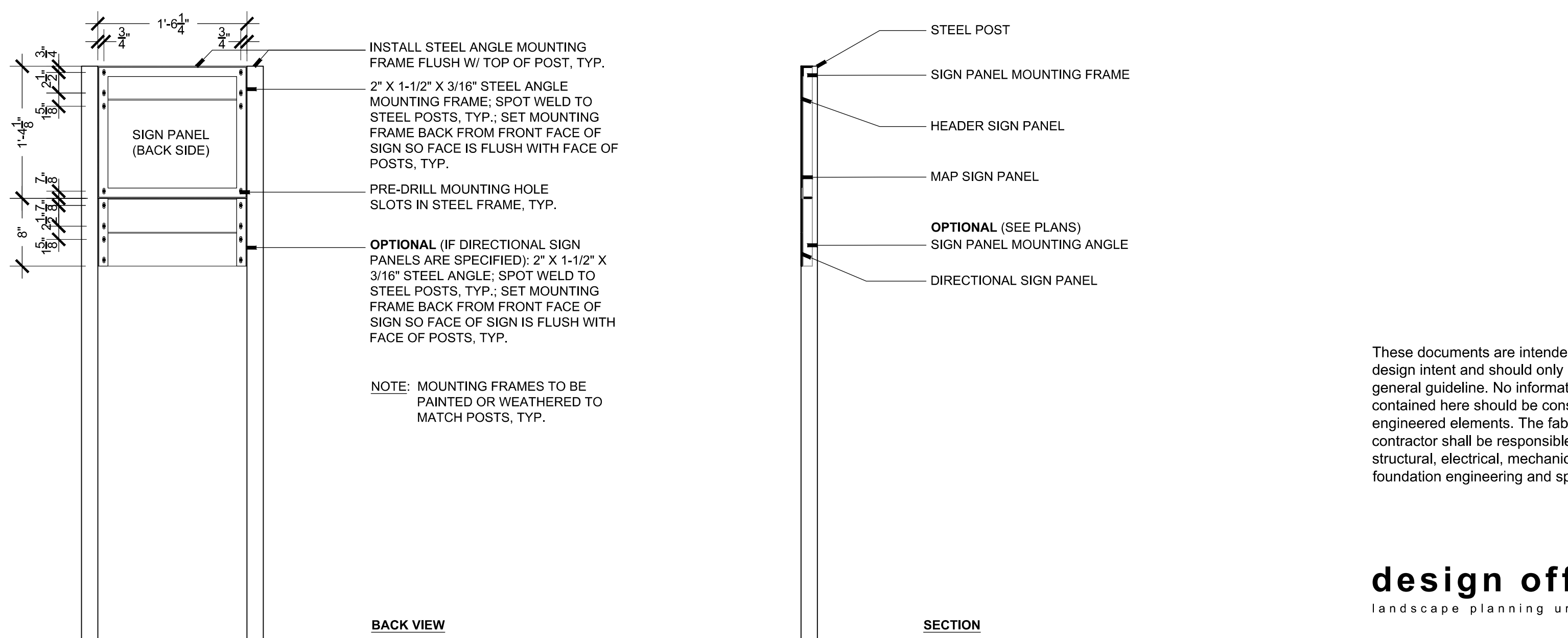
**1 KIOSK SIGN - SECONDARY**  
ELEVATION



**2 KIOSK SIGN - SECONDARY - SIGN PANEL MOUNTING FRAME DETAILS**  
SCALE: 1"=1'-0"



**3 ORIENTATION MAP SIGN**  
SCALE: 1"=1'-0"



**4 ORIENTATION MAP SIGN - SIGN PANEL MOUNTING FRAME DETAILS**  
SCALE: 1"=1'-0"

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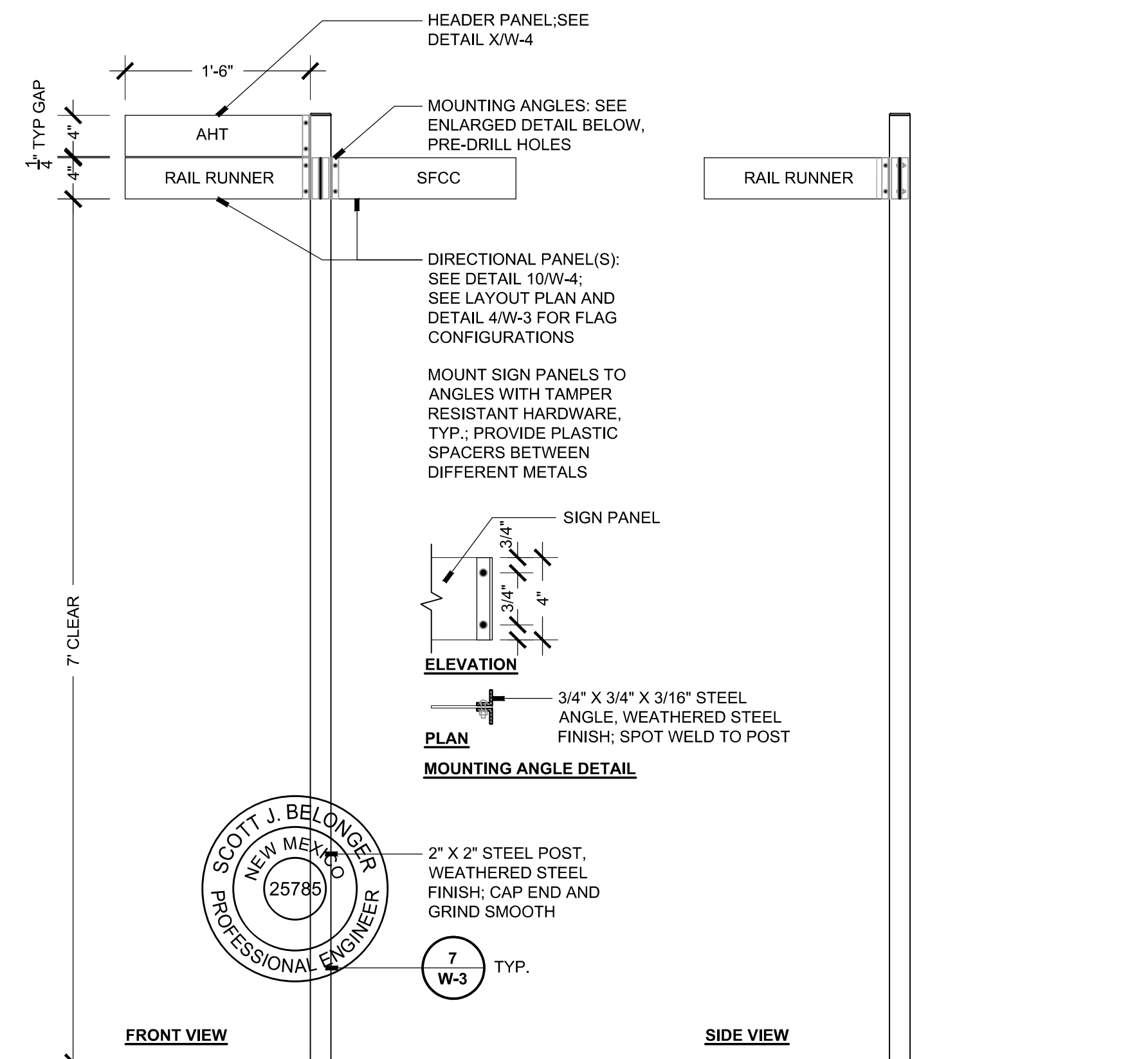


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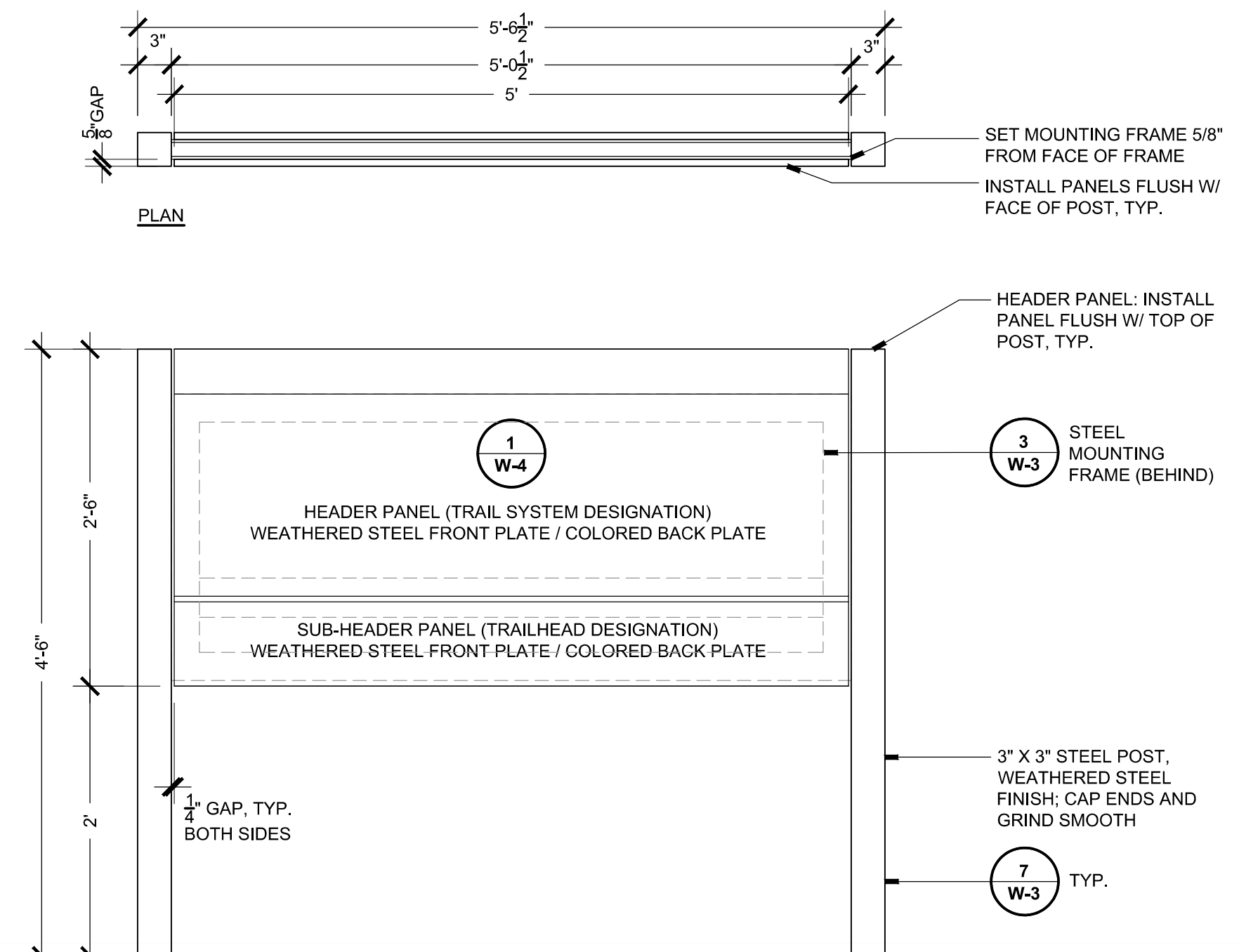
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Detailer:	
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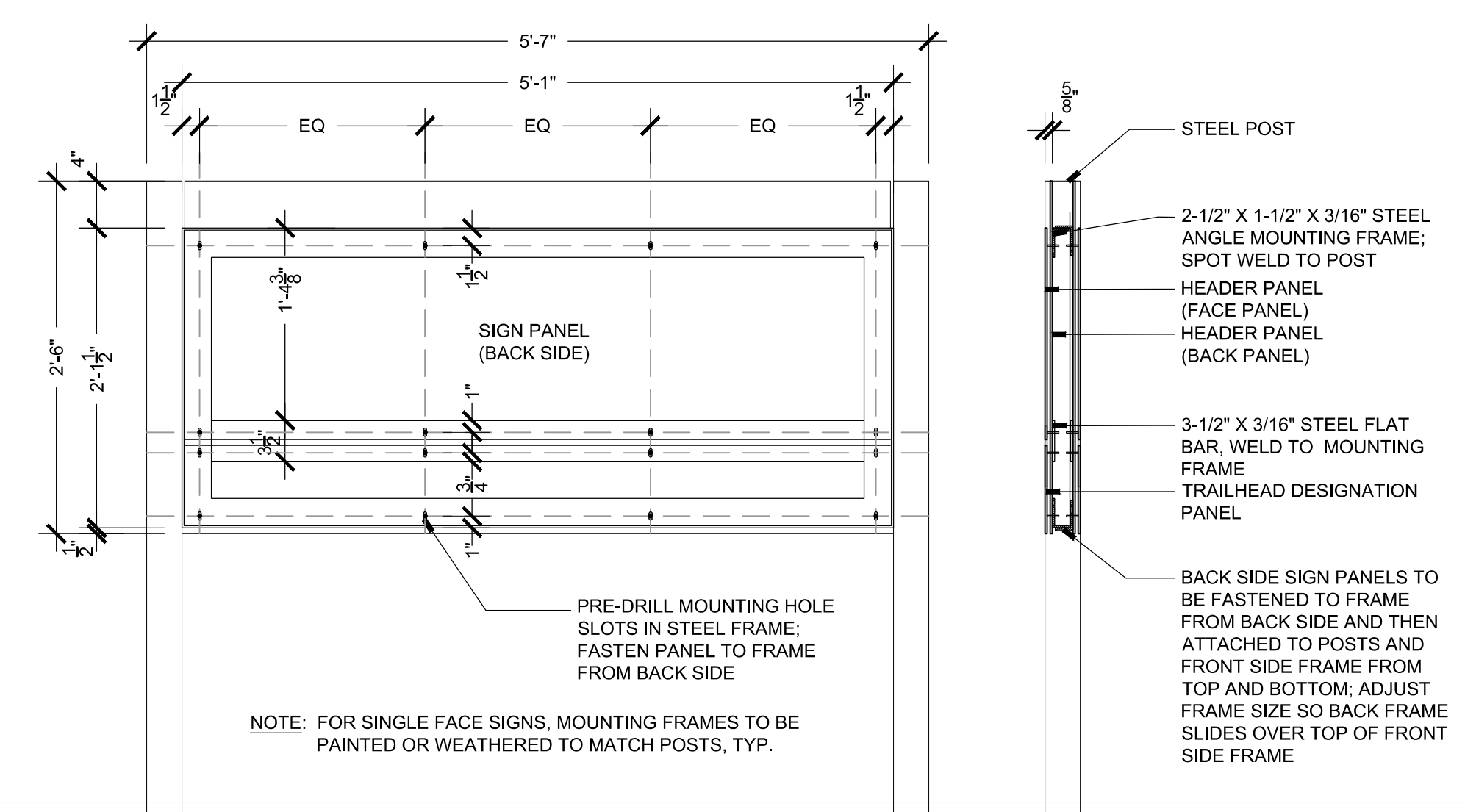
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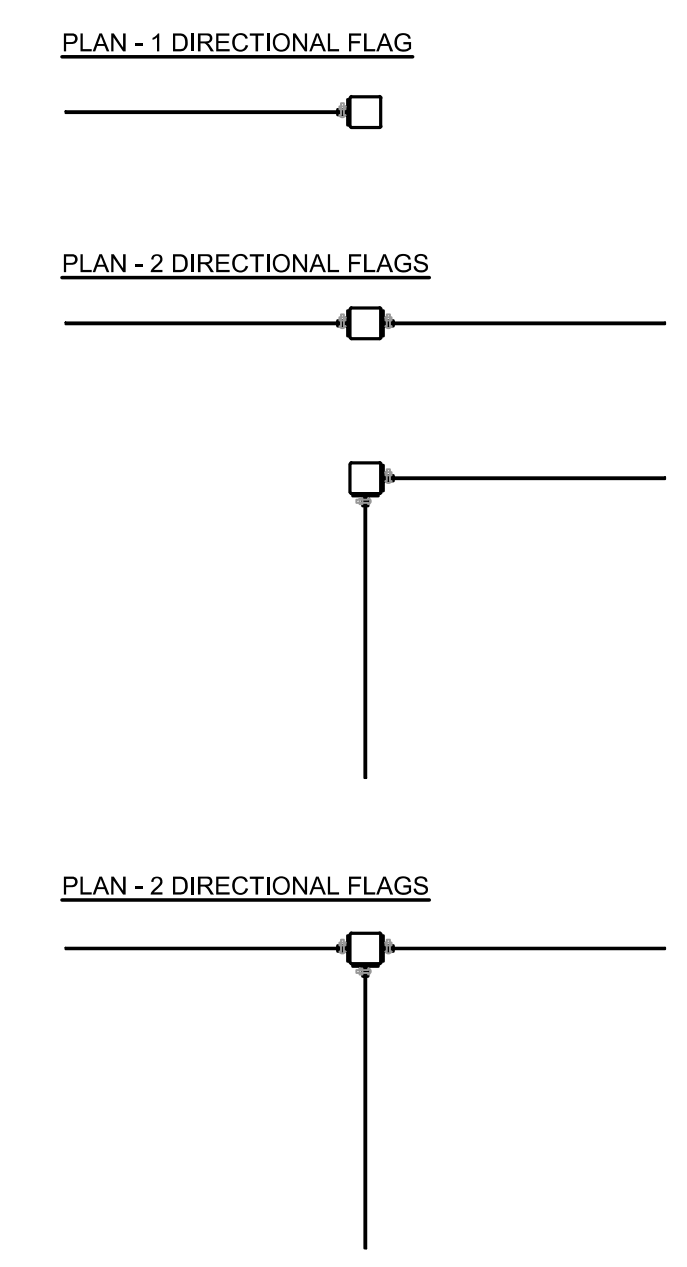
**1 DIRECTIONAL SIGN**  
ELEVATION



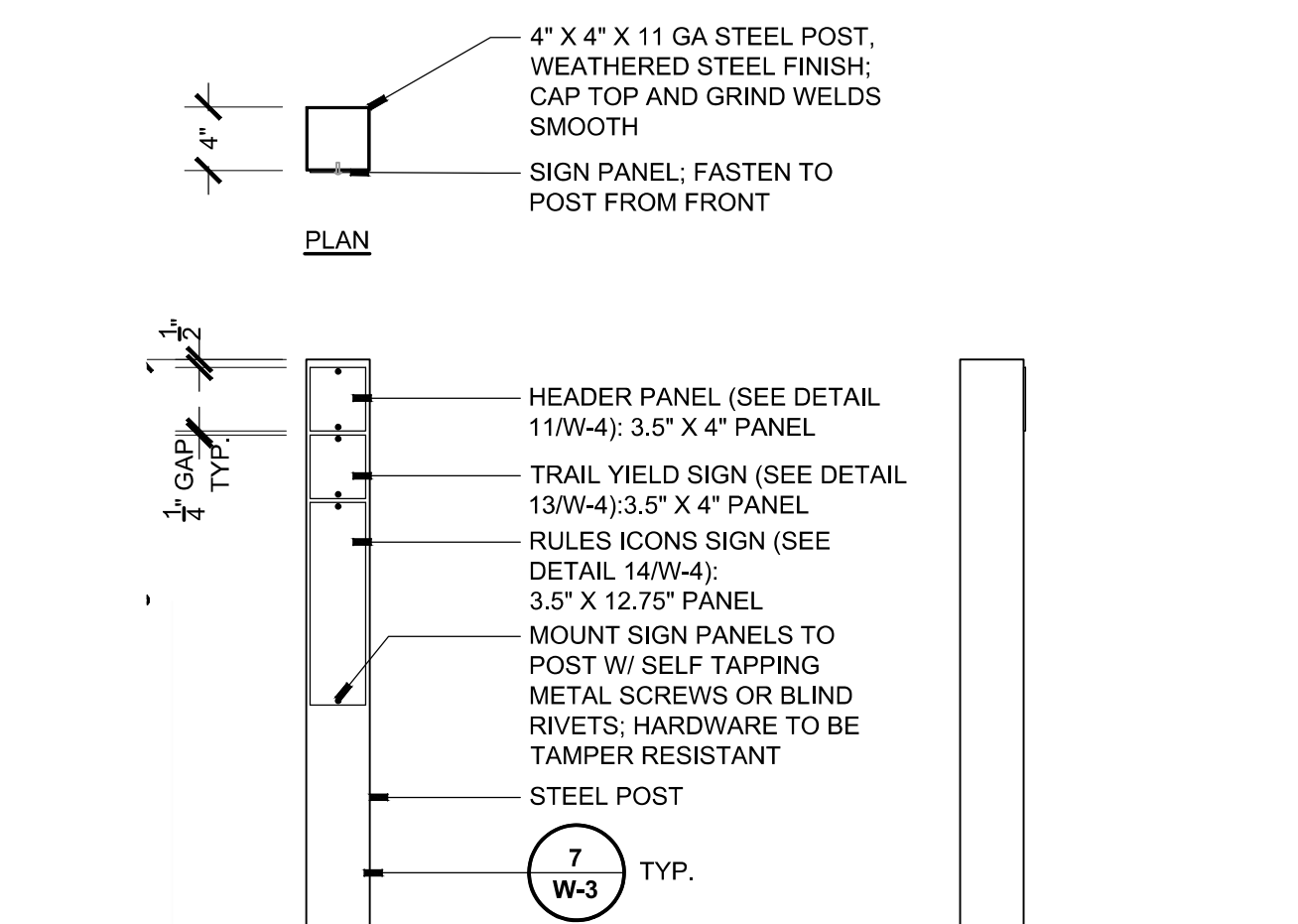
**2 VEHICULAR MONUMENT SIGN**  
SCALE: 1"=1'-0"



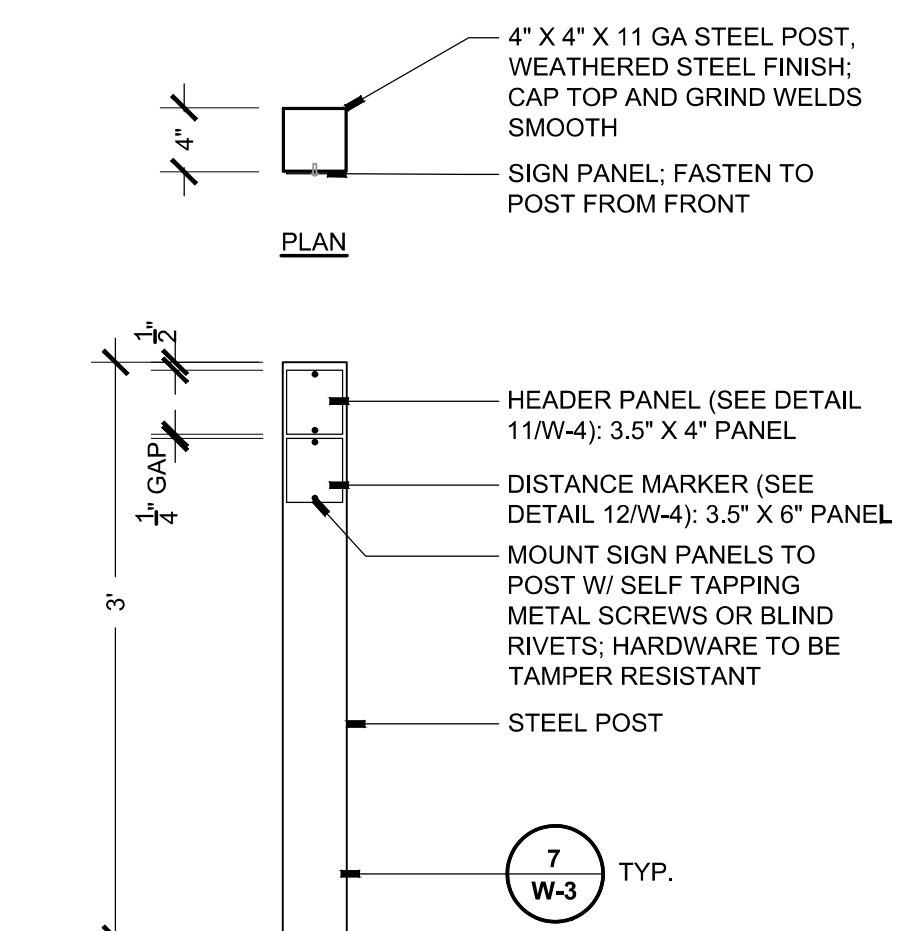
**3 VEHICULAR MONUMENT SIGN - MOUNTING DETAILS**  
SCALE: 1"=1'-0"



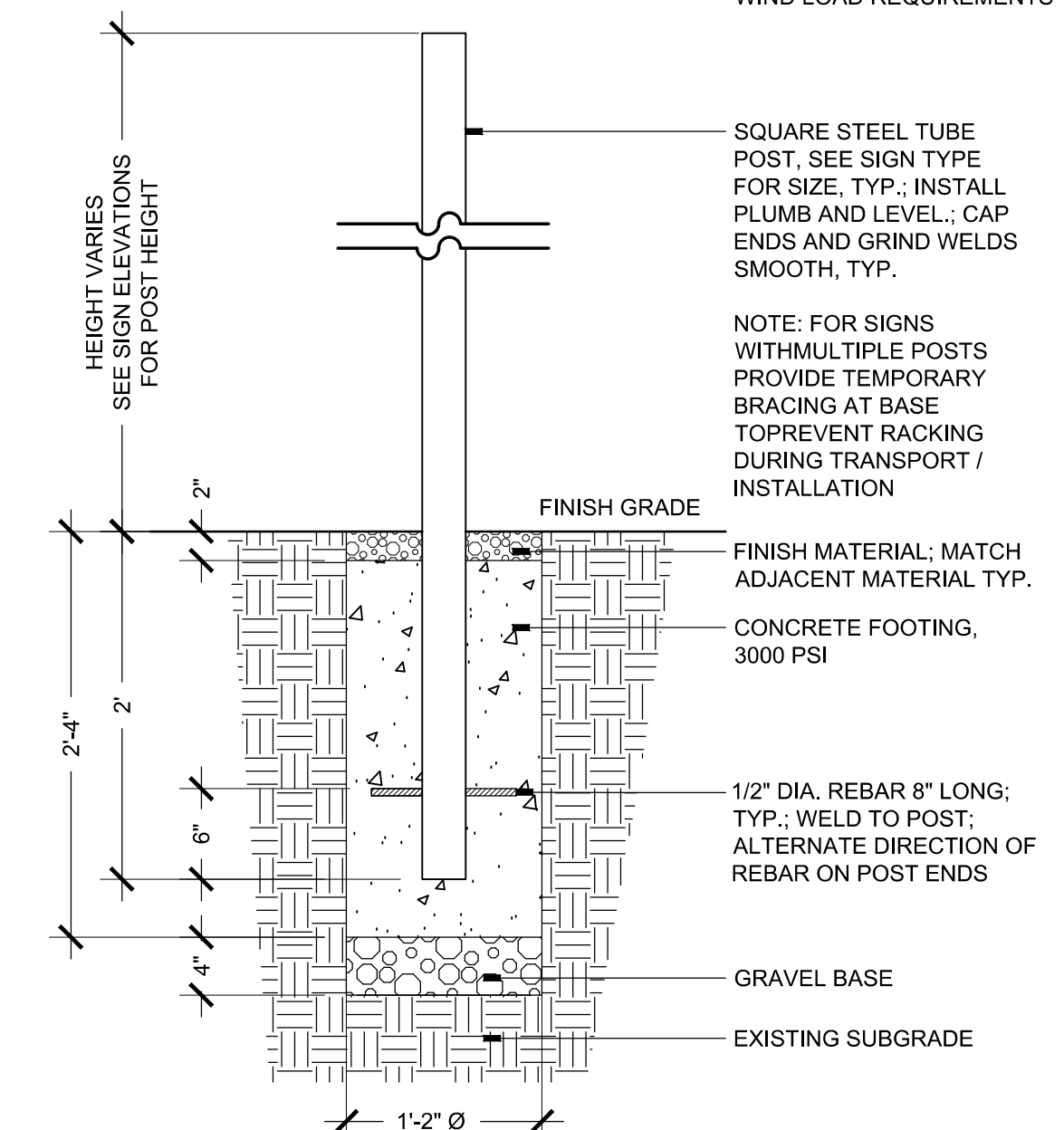
**4 DIRECTIONAL SIGN PLAN VIEW**  
SCALE: 1"=1'-0"



**5 MARKER - RULES SIGN**  
SCALE: 1"=1'-0"



**6 MARKER**  
SCALE: 1"=1'-0"



**7 SIGN POST FOOTING**  
SCALE: 1"=1'-0"

CONTRACTOR TO ADJUST FOOTING DESIGN PER STRUCTURAL ENGINEER RECOMMENDATION TO MEET LOCAL WIND LOAD REQUIREMENTS

NOTE: FOR SIGNS WITH MULTIPLE POSTS PROVIDE TEMPORARY BRACING AT BASE TO PREVENT RACKING DURING TRANSPORT / INSTALLATION

FINISH MATERIAL: MATCH ADJACENT MATERIAL TYP.

CONCRETE FOOTING, 3000 PSI

1/2" DIA. REBAR 8" LONG; TYP.; WELD TO POST; ALTERNATE DIRECTION OF REBAR ON POST ENDS

GRAVEL BASE

EXISTING SUBGRADE

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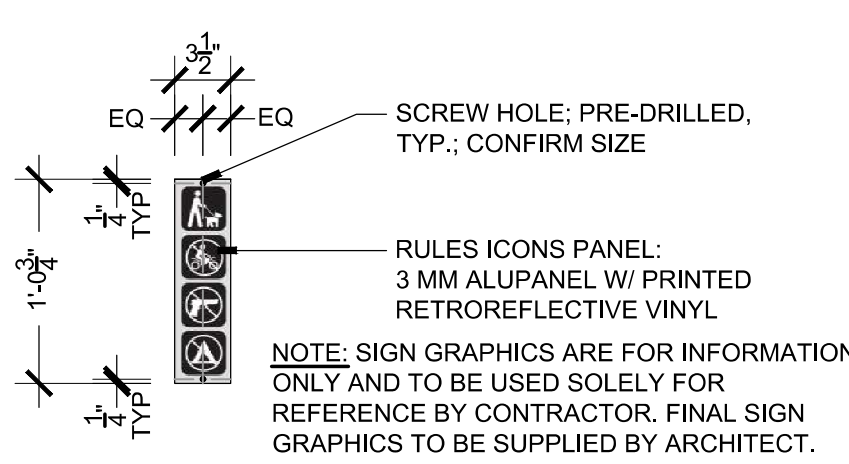
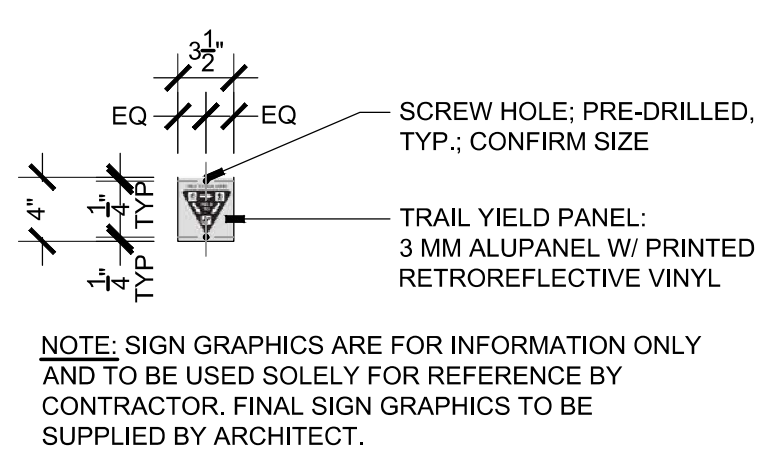
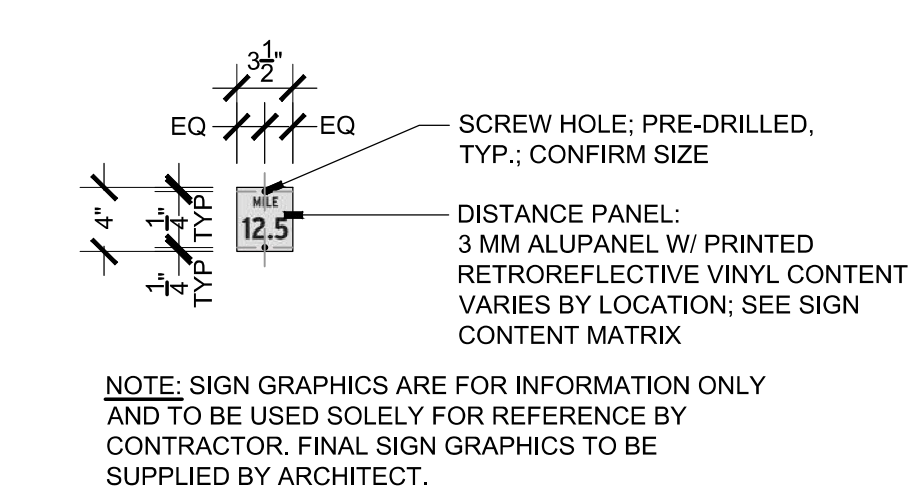
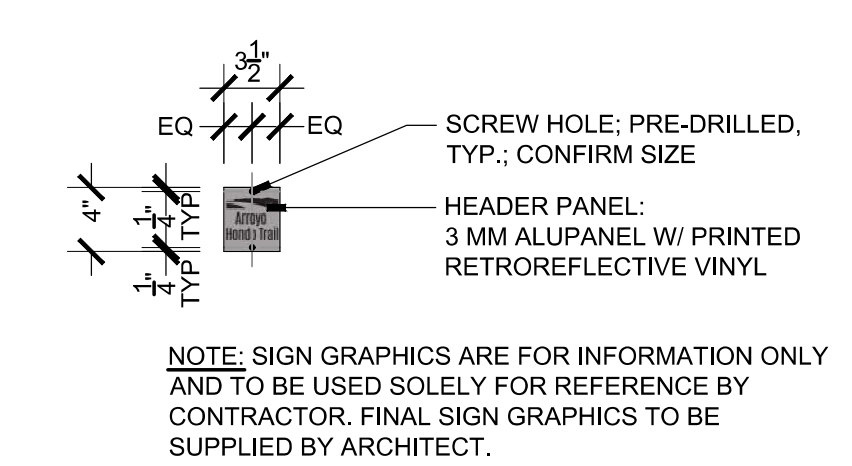
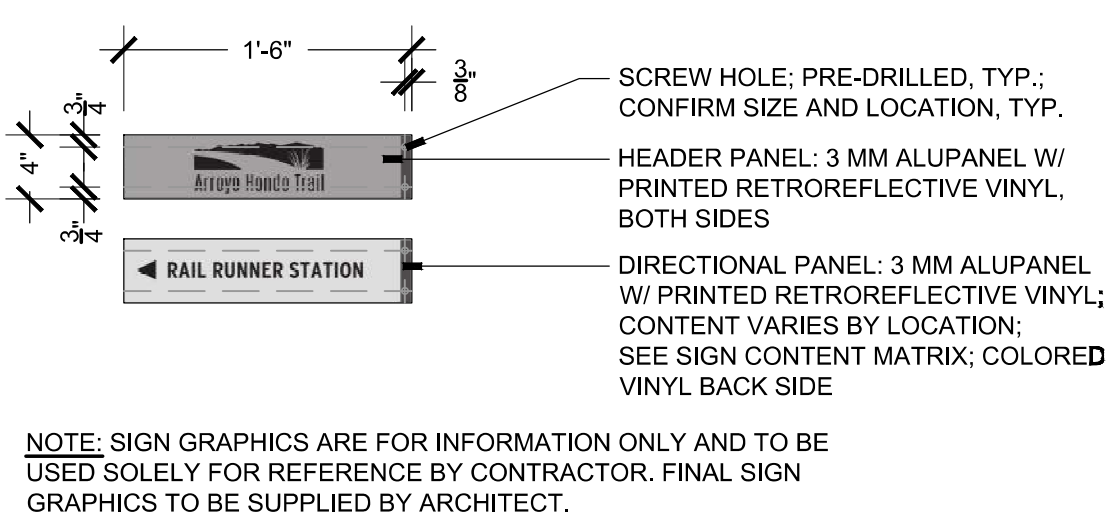
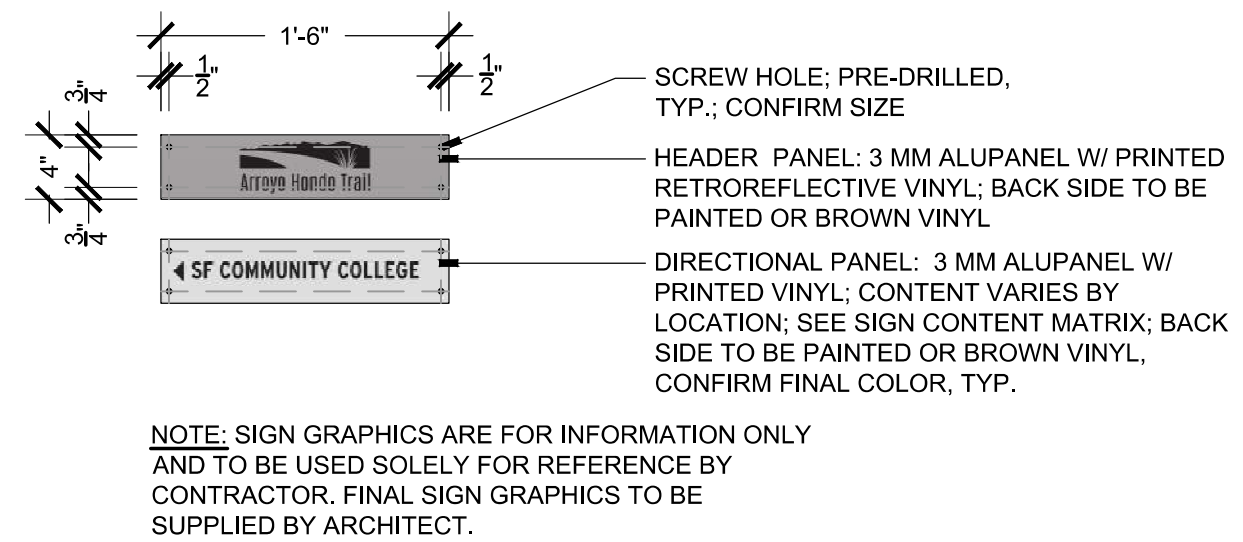
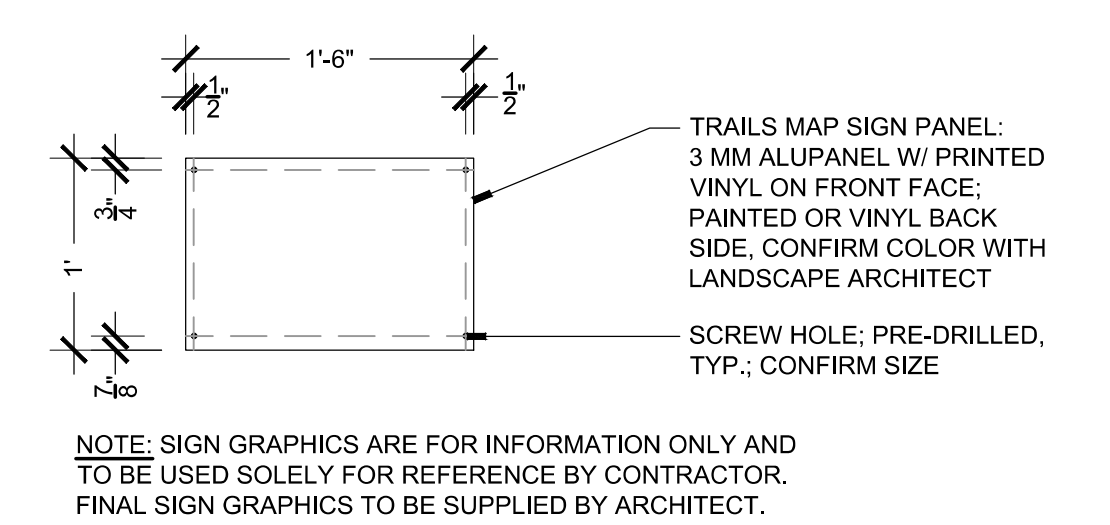
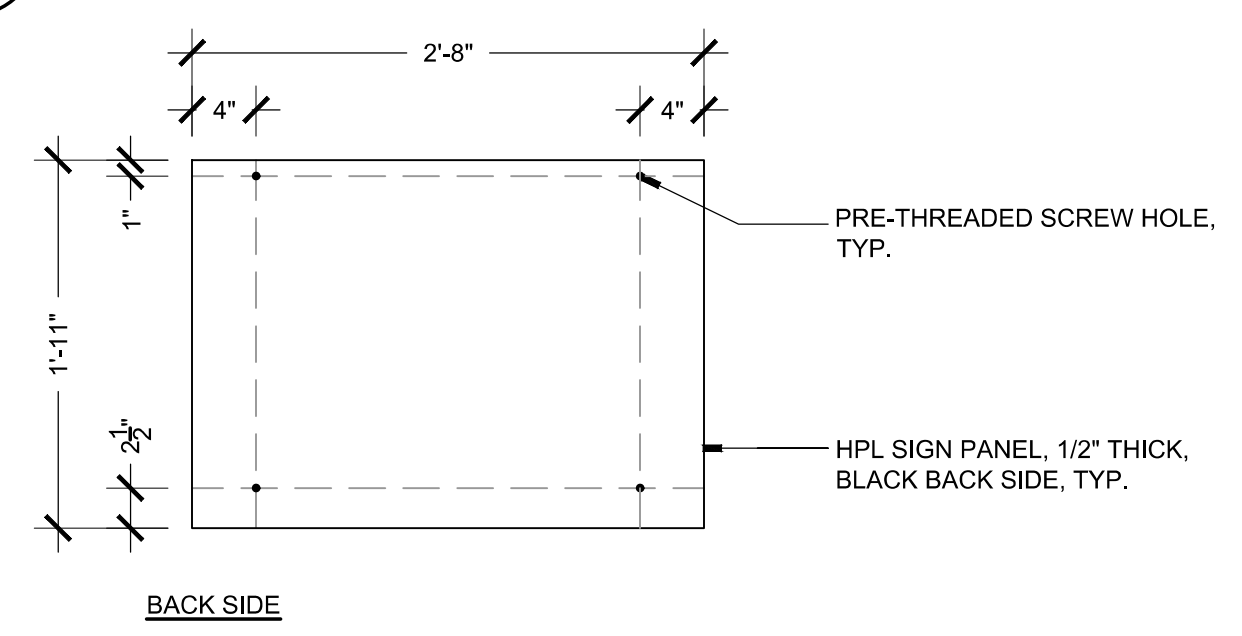
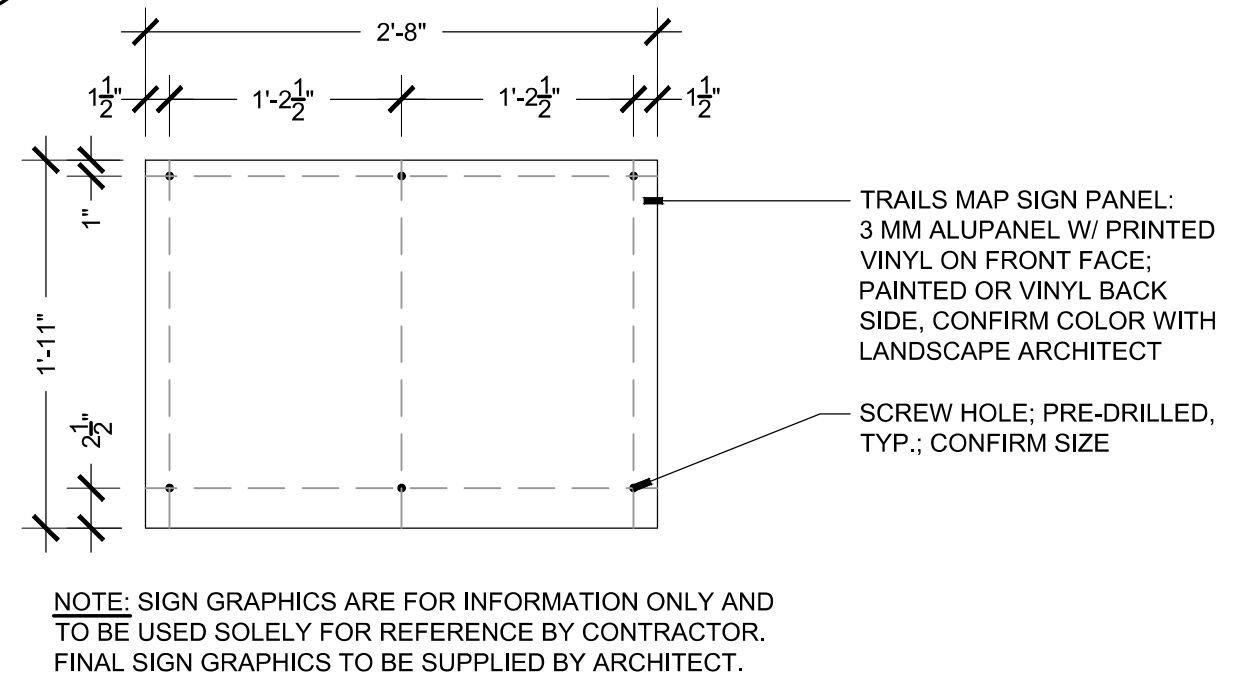
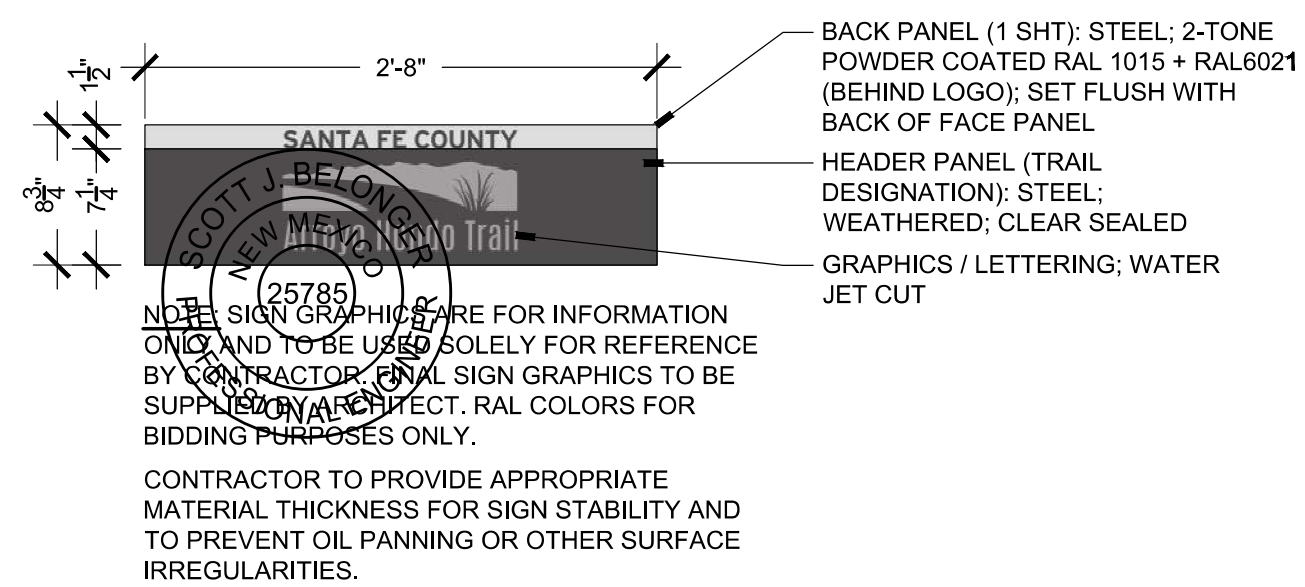
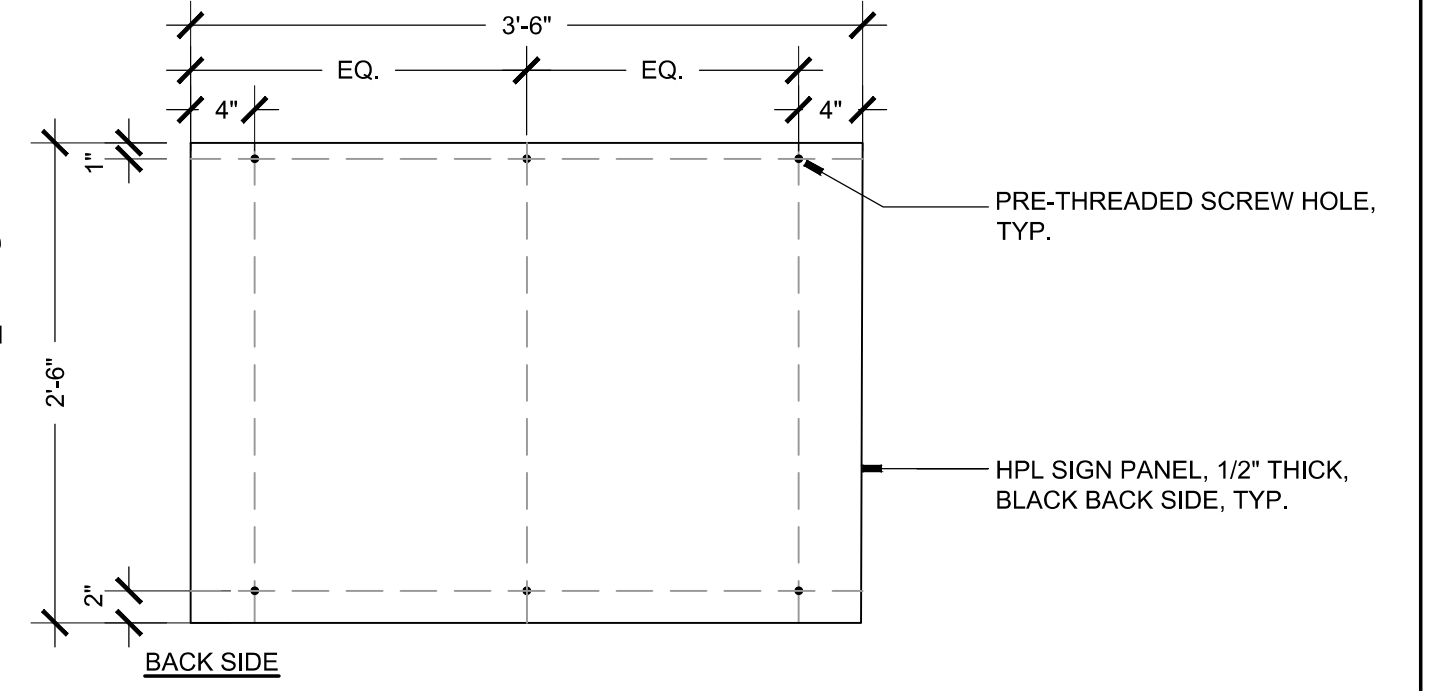
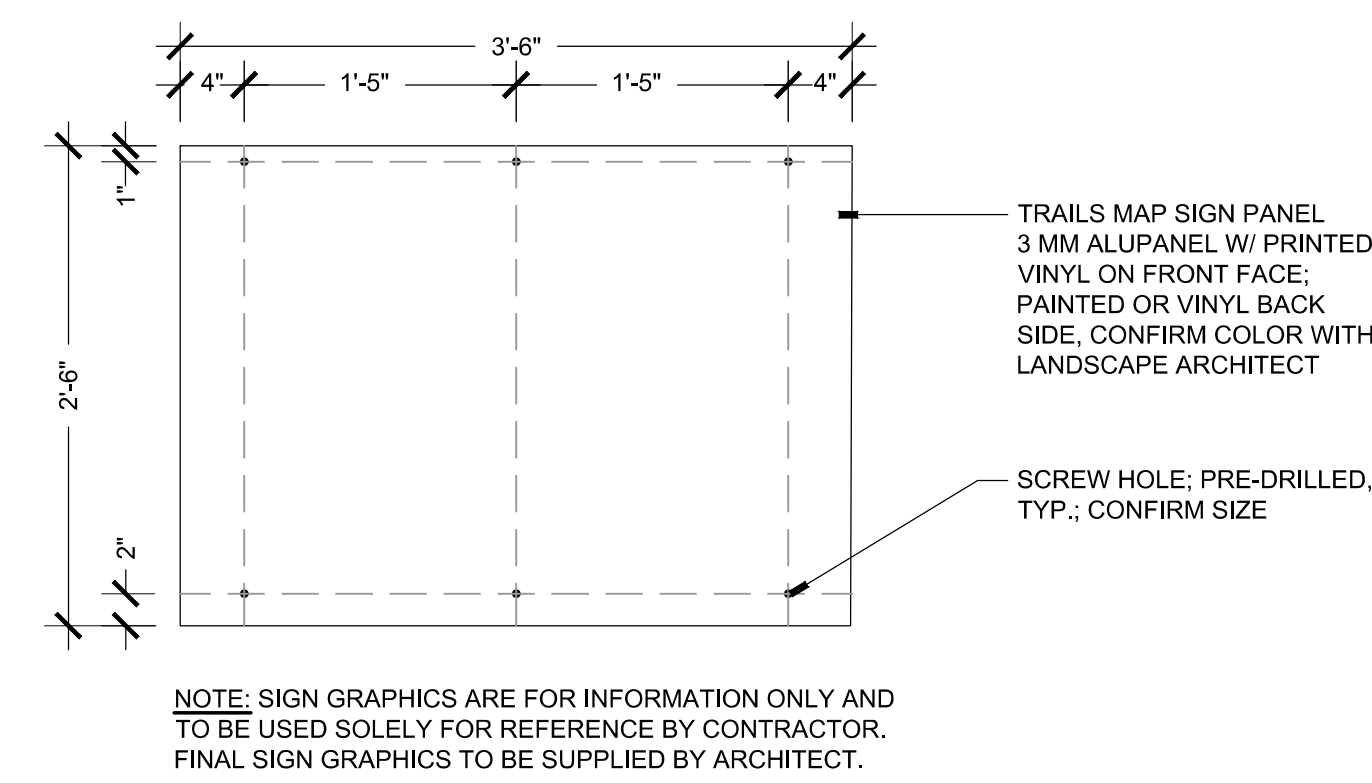
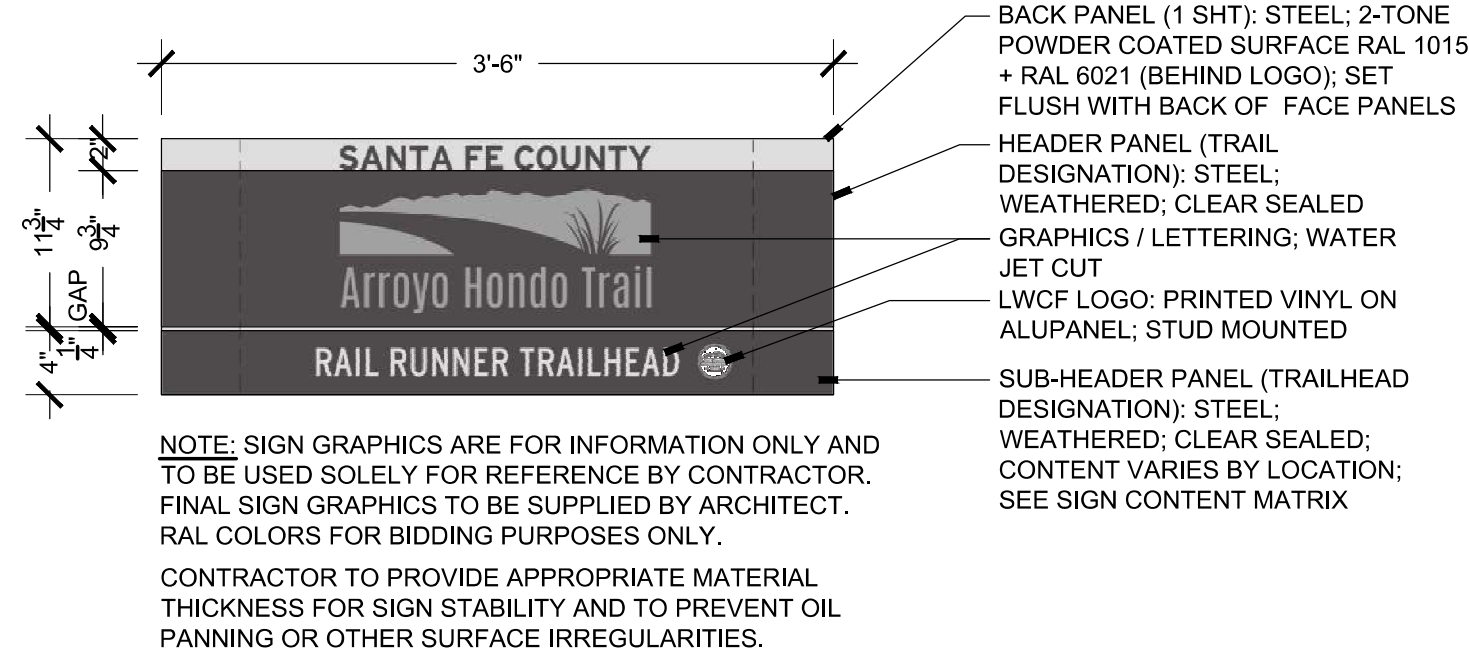
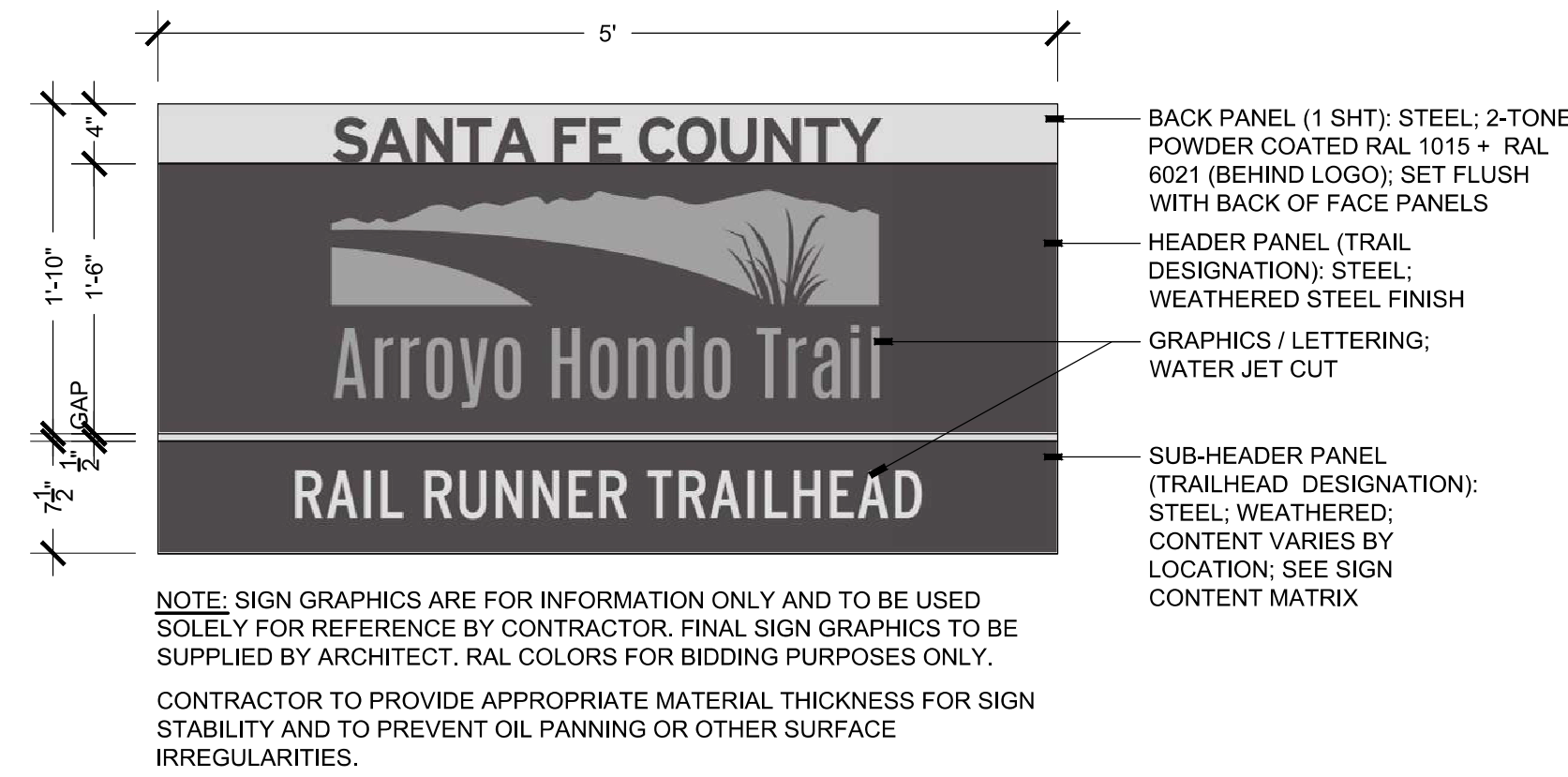


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ARROYO HONDO TRAIL SYSTEM WAYFINDING PLAN (DETAILS)			
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Sheet Subset: W-3			

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Void:	Detailer:	325-12126
	Sheet Subset: W-4	Subset Sheets: 9
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