
APPENDIX B

Plans for Hot Springs Road Reconstruction Project, in Alpine
County Near Markleeville From West Of Pleasant Valley Road to
Laramie Street, Federal Project No. RPSTPL-5931 (041),
October 2023

APPROVED AS TO IMPACT ON STATE FACILITIES AND CONFORMANCE WITH APPLICABLE STATE STANDARDS AND PRACTICES AND THAT TECHNICAL OVERSIGHT WAS PERFORMED.

DATE SIGNED

LICENSE Exp DATE

REGISTRATION No.

ALPINE COUNTY COMMUNITY DEVELOPMENT

SAMUEL R. BOOTH

CONSULTANT DESIGN ENGINEER

MICHAEL SANCHEZ

INDEX OF PLANS

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THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

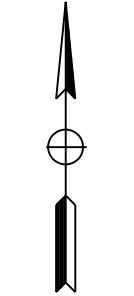
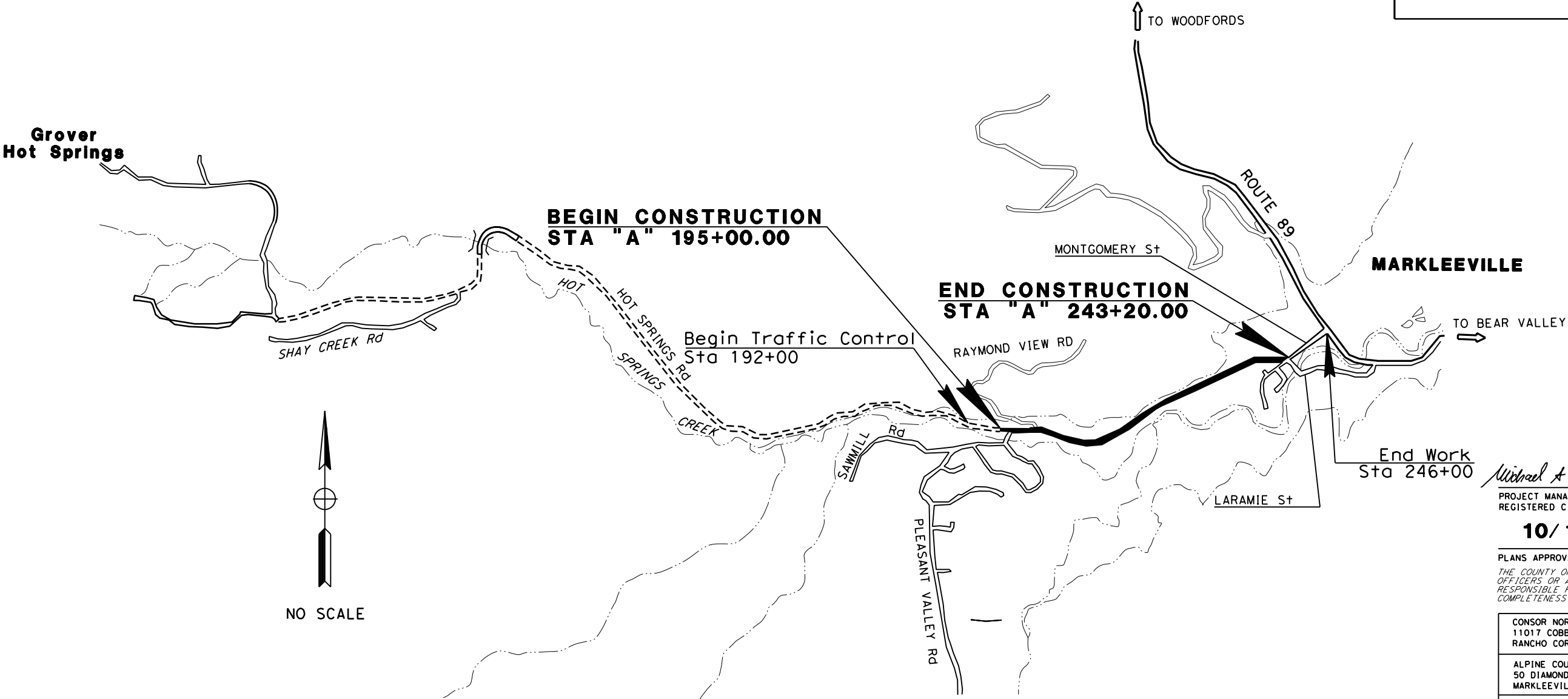
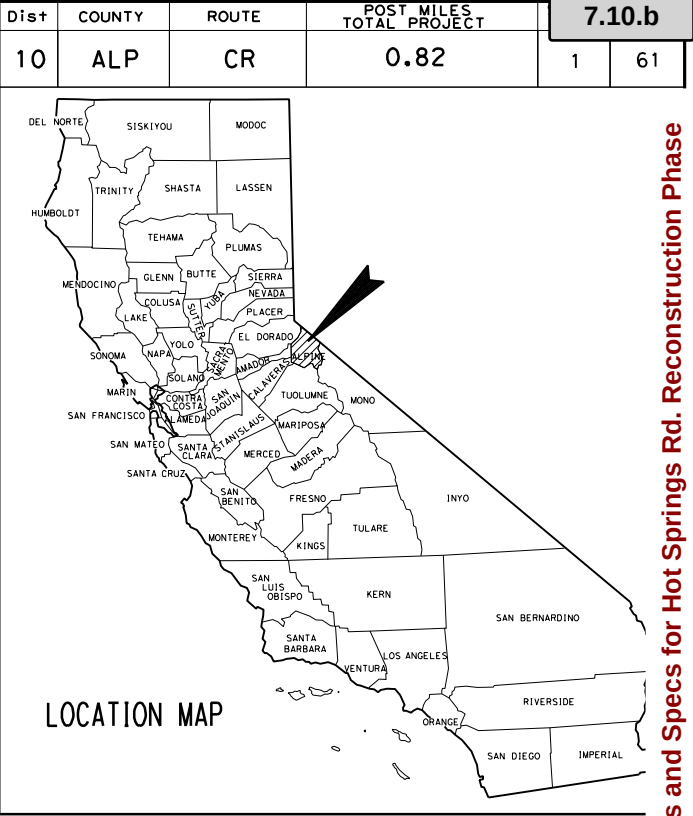
COUNTY OF ALPINE
PUBLIC WORKS DEPARTMENT

PROJECT PLANS FOR CONSTRUCTION ON
HOT SPRINGS ROAD
RECONSTRUCTION PROJECT

IN ALPINE COUNTY
NEAR MARKLEEVILLE
FROM WEST OF PLEASANT VALLEY ROAD
TO LARAMIE STREET

FEDERAL PROJECT No. RPSTPL-5931 (041)

TO BE SUPPLEMENTED BY STATE OF CALIFORNIA STANDARD PLANS DATED 2023



NO SCALE

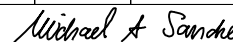
Michael A Sanchez 10/13/2023
PROJECT MANAGER DATE
REGISTERED CIVIL ENGINEER
10/ 13/ 2023
PLANS APPROVAL DATE
THE COUNTY OF ALPINE OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



CONSOR NORTH AMERICA INC
11017 COBBLEROCK DRIVE, SUITE 100
RANCHO CORDOVA, CA 95670
ALPINE COUNTY COMMUNITY DEVELOPMENT DEPARTMENT
50 DIAMOND VALLEY ROAD
MARKLEEVILLE, CA 96120

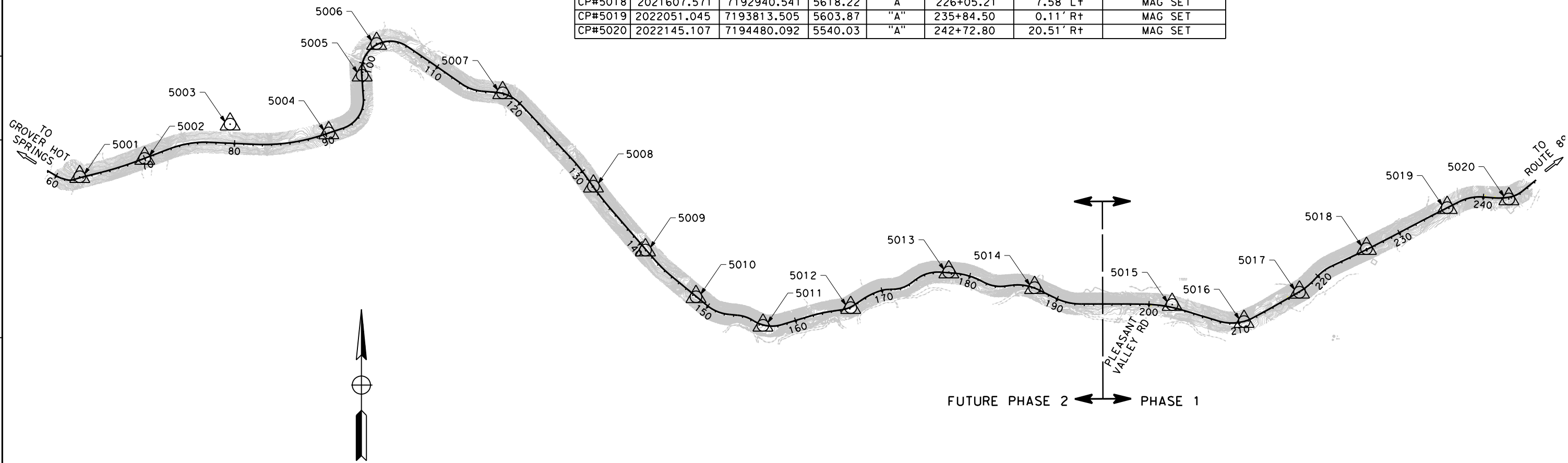
CONTRACT No. 00-000004
PROJECT ID 00-000000

Packet Pg. 126

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	7.10.b	
10	ALP	CR	0.82	3	61
 REGISTERED CIVIL ENGINEER			10/13/2023		
OCTOBER 13, 2023					
PLANS APPROVAL DATE					
THE COUNTY OF ALPINE OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
CONSOR NORTH AMERICA INC 11017 COBBLEROCK DRIVE RANCHO CORDOVA, CA 95670			ALPINE COUNTY CDD 50 DIAMOND VALLEY ROAD MARKLEEVILLE, CA 96120		

Reconstruction Phase

ALPINE COUNTY PUBLIC WORKS	CONSULTANT	FUNCTIONAL SUPERVISOR					
SAMUEL R. BOOTH							



ALPINE COUNTY PUBLIC WORKS SAMUEL R. BOOTH	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY CHECKED BY	REVISED BY DATE REVISED				

NOTES:

1. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT THE COUNTY OFFICE.

2. FOR CONCRETE CURB AND GUTTER DETAIL, SEE CONSTRUCTION DETAIL SHEETS.

LEGEND:

- DRIVEWAY CONFORM 0.66' CLASS II AB
(SEE CONSTRUCTION DETAIL SHEETS)
- DRIVEWAY CONFORM 0.25' HMA OVER 0.33' CLASS II AB
(SEE CONSTRUCTION DETAIL SHEETS)

ABBREVIATIONS:

C&G CURB AND GUTTER
AP ANGLE POINT

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	7.10.b	
10	ALP	CR	0.82	4	61

Michael A Sanchez

REGISTERED CIVIL ENGINEER

10/13/2023

DATE

OCTOBER 13, 2023

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

MICHAEL SANCHEZ

No. 60254

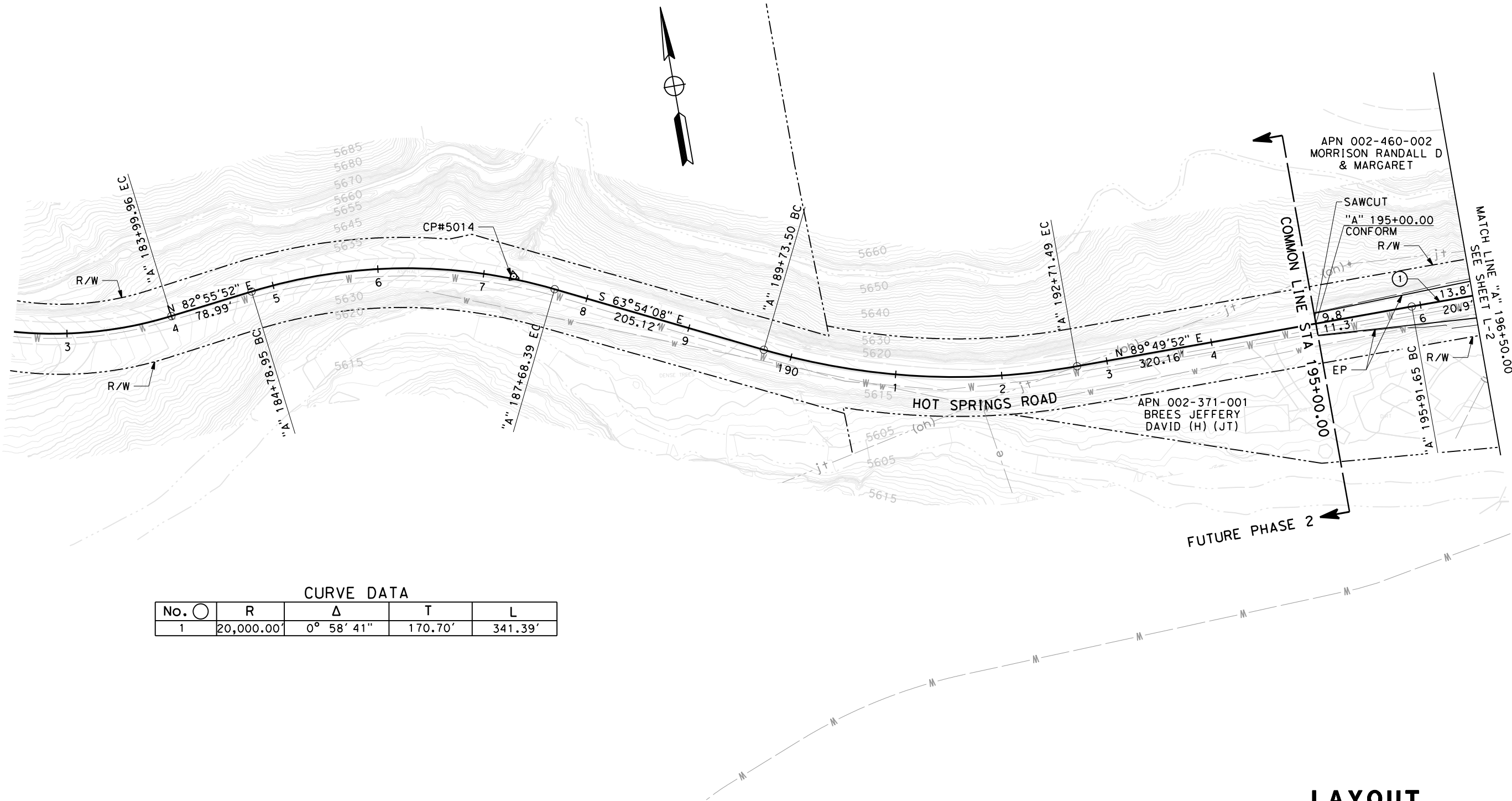
CIVIL

STATE OF CALIFORNIA

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CONSOR NORTH AMERICA INC
11017 COBBLEROCK DRIVE
RANCHO CORDOVA, CA 95670

ALPINE COUNTY CDD
50 DIAMOND VALLEY ROAD
MARKLEEVILLE, CA 96120



LAYOUT

SCALE: 1"=50'

ALPINE COUNTY PUBLIC WORKS		CONSULTANT FUNCTIONAL SUPERVISOR					
SAMUEL R. BOOTH							
			</				

SAMUEL R. BOOTH
ALPINE COUNTY PUBLIC WORKS

1. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT THE COUNTY OFFICE.
2. FOR CONCRETE CURB AND GUTTER DETAIL, SEE CONSTRUCTION DETAIL SHEETS.

Attachment: 2023_Hot Springs Road_100% Plans_10-13-2023_FINAL (Adoption of Plans and Specs for Hot Springs Rd. Reconstruction Phase



ALPINE COUNTY PUBLIC WORKS	SAMUEL R. BOOTH	CONSULTANT	FUNCTIONAL SUPERVISOR	CALCULATED- DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED

- NOTES:
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 - FOR CONCRETE CURB AND GUTTER DETAIL, SEE CONSTRUCTION DETAIL SHEETS.

Dist

COUNTY

ROUTE

POST MILES
TOTAL PROJECT

7.10.b

10

ALP

CR

0.82

761

Michael A Sanchez

10/13/2023

REGISTERED CIVIL ENGINEER

DATE

OCTOBER 13, 2023

PLANS APPROVAL DATE

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OR AGENTS SHALL NOT BE RESPONSIBLE FOR
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CONSOR NORTH AMERICA INC
11017 COBBLEROCK DRIVE
RANCHO CORDOVA, CA 95670

ALPINE COUNTY CDD
50 DIAMOND VALLEY ROAD
MARKLEEVILLE, CA 96120

REGISTERED PROFESSIONAL ENGINEER

MICHAEL SANCHEZ

No. 60254

CIVIL

STATE OF CALIFORNIA

The plan view shows Hot Springs Road with stationing from 224+50.00 to 238+50.00. It includes several curves labeled 7 through 10. Property boundaries are shown with owner names and APNs: APN 002-250-016 (STORM CROW, LLC), APN 002-250-015 (HITTENMILLER DONALD H TRUSTEE), APN 002-260-004 (GIGLI RUGGERO TRUSTEE GIGLI FAMILY TRUST), APN 002-260-007 (MCKONE JESSE W & TEDDY), APN 002-260-008 (ROBINSON FOREST C & KAREN), APN 002-300-017 (BROWN MICHAEL & NANCY TTEES BROWN FAMILY TRUST), APN 002-300-023 (BROWN DAVID L), and APN 002-300-024 (HIBBS STEPHEN). The plan also shows various easements (Dwy 7, 8, 9, 10, 11), center points (CP#5018, CP#5019), and match lines at both ends.

CURVE DATA				
No.	R	Δ	T	L
7	5,000.00'	2° 05' 42"	91.42'	182.82'
8	20,000.00'	0° 22' 40"	65.91'	131.82'
9	5,000.00'	0° 54' 20"	39.52'	79.03'
10	500.00'	31° 49' 03"	142.51'	277.66'

LAYOUT
SCALE: 1"=50'

BORDER LAST REVISED 7/2/2010

USERNAME => Kevin.Beltran
DCN FILE => S:\Client\Alpine\A01-303 Hot Springs Road\500-Design\505 - CADD Files\A01303 Hot Springs Road.dgn

RELATIVE BORDER SCALE
0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE

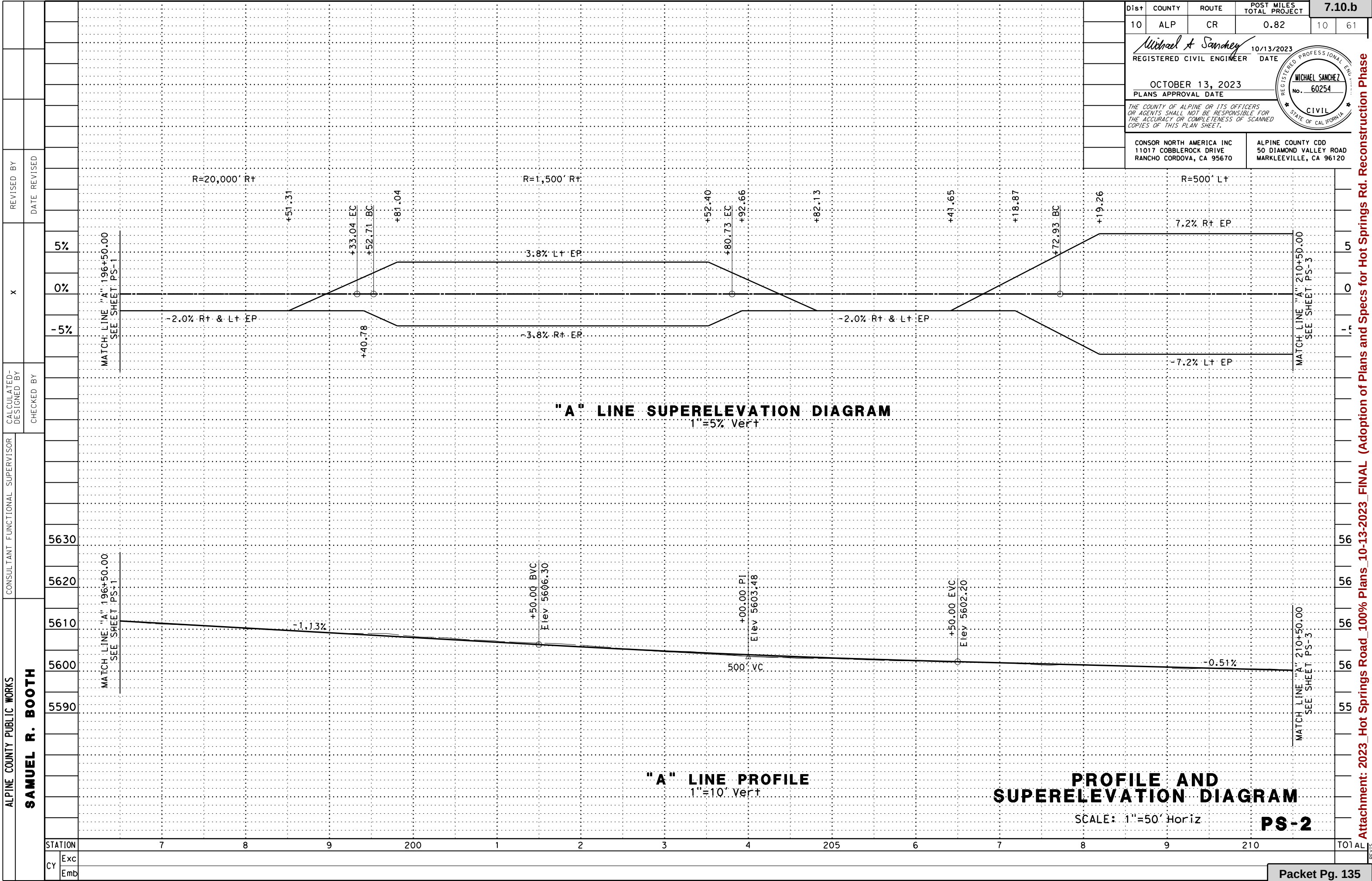
Packet Pg. 132

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Attachment: 2023_Hot Springs Road_100% Plans_10-13-2023_FINAL (Adoption of Plans and Specs for Hot Springs Rd. Reconstruction Phase)

00-00-00
DATE PLOTTED => 10/12/2023
TIME PLOTTED => 3:58:28 PM

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ALPINE COUNTY PUBLIC WORKS
SAMUEL R. BOOTH

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY
CHECKED BY

REVISOR BY
DATE REVISED

Dist 10 COUNTY ALP ROUTE CR POST MILES TOTAL PROJECT 0.82 7.10.b

Michael A. Sanchez
REGISTERED CIVIL ENGINEER
OCTOBER 13, 2023
PLANS APPROVAL DATE
10/13/2023
DATE
THE COUNTY OF ALPINE OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
CONSOR NORTH AMERICA INC
11017 COBBLEROCK DRIVE
RANCHO CORDOVA, CA 95670
ALPINE COUNTY CDD
50 DIAMOND VALLEY ROAD
MARKLEEVILLE, CA 96120

REGISTERED PROFESSIONAL ENGINEER
MICHAEL SANCHEZ
No. 60254
CIVIL
STATE OF CALIFORNIA

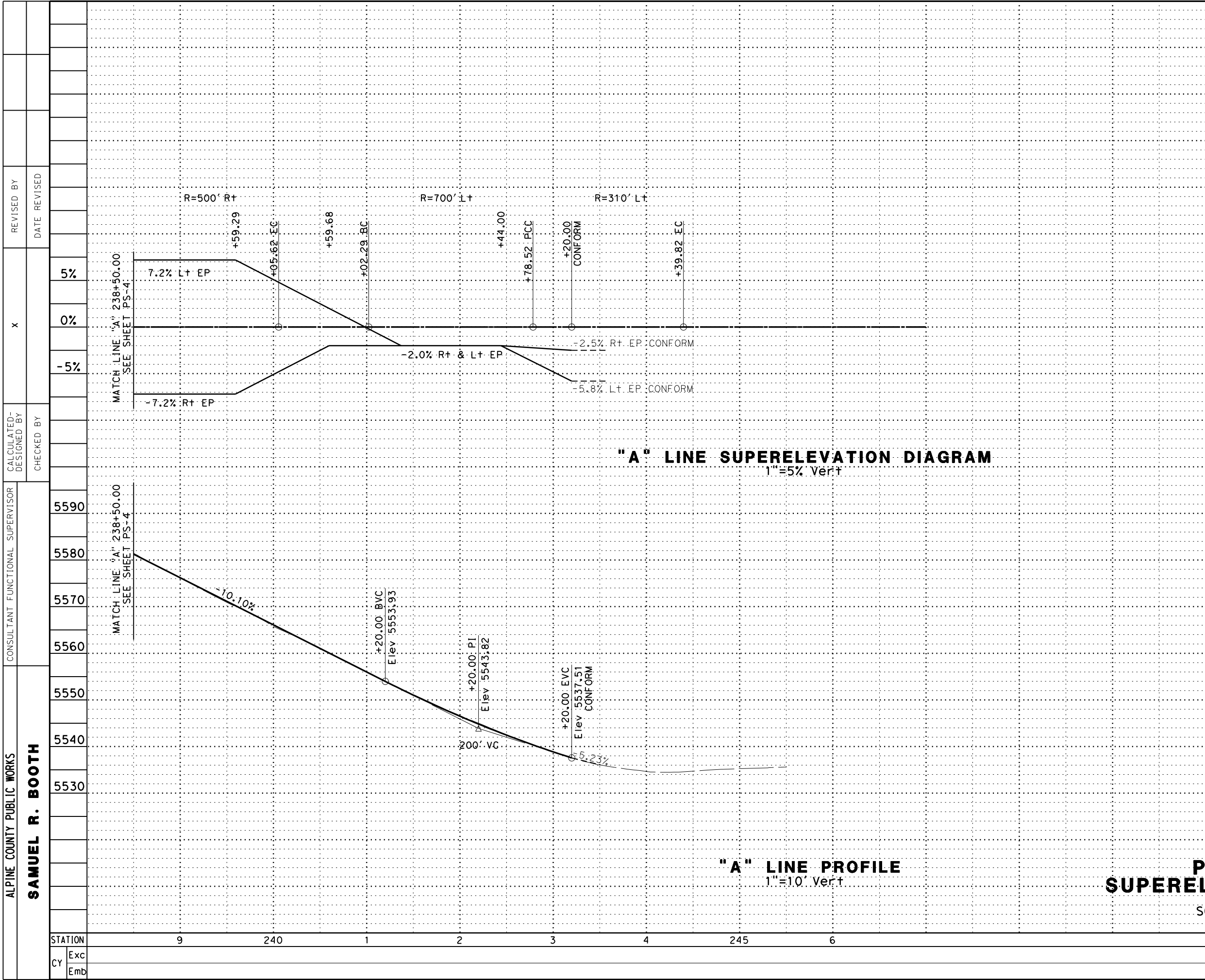
"A" LINE SUPERELEVATION DIAGRAM
1"=5% Vert

"A" LINE PROFILE
1"=10' Vert

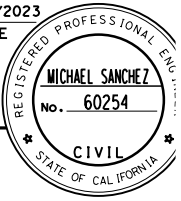
PROFILE AND SUPERELEVATION DIAGRAM
SCALE: 1"=50' Horiz

PS-4

Attachment: 2023 Hot Springs Road 100% Plans 10-13-2023_FINAL (Adoption of Plans and Specs for Hot Springs Rd. Reconstruction Phase



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	7.10.b	
10	ALP	CR	0.82	13	61
Michael A Sanchez			10/13/2023	REGISTERED CIVIL ENGINEER DATE	
OCTOBER 13, 2023			PLANS APPROVAL DATE		
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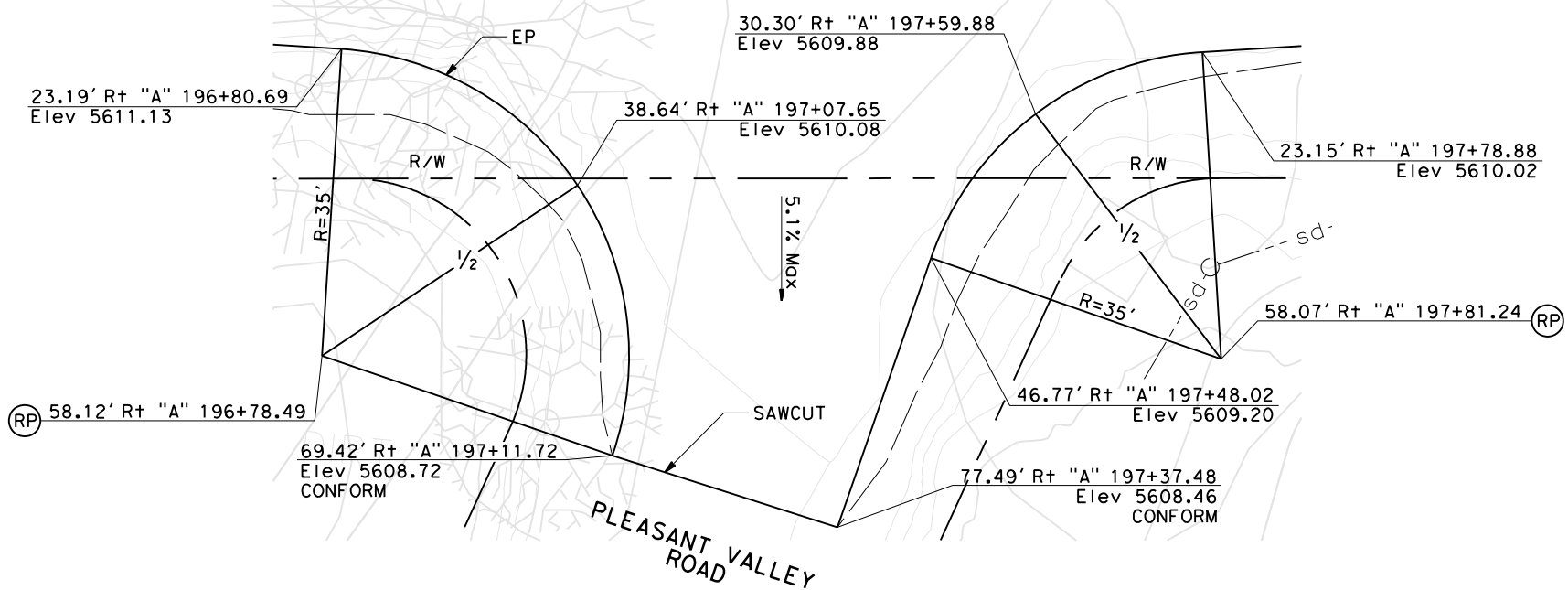


Attachment: 2023 Hot Springs Road_100% Plans_10-13-2023_FINAL (Adoption of Plans and Specs for Hot Springs Rd. Reconstruction Phase)

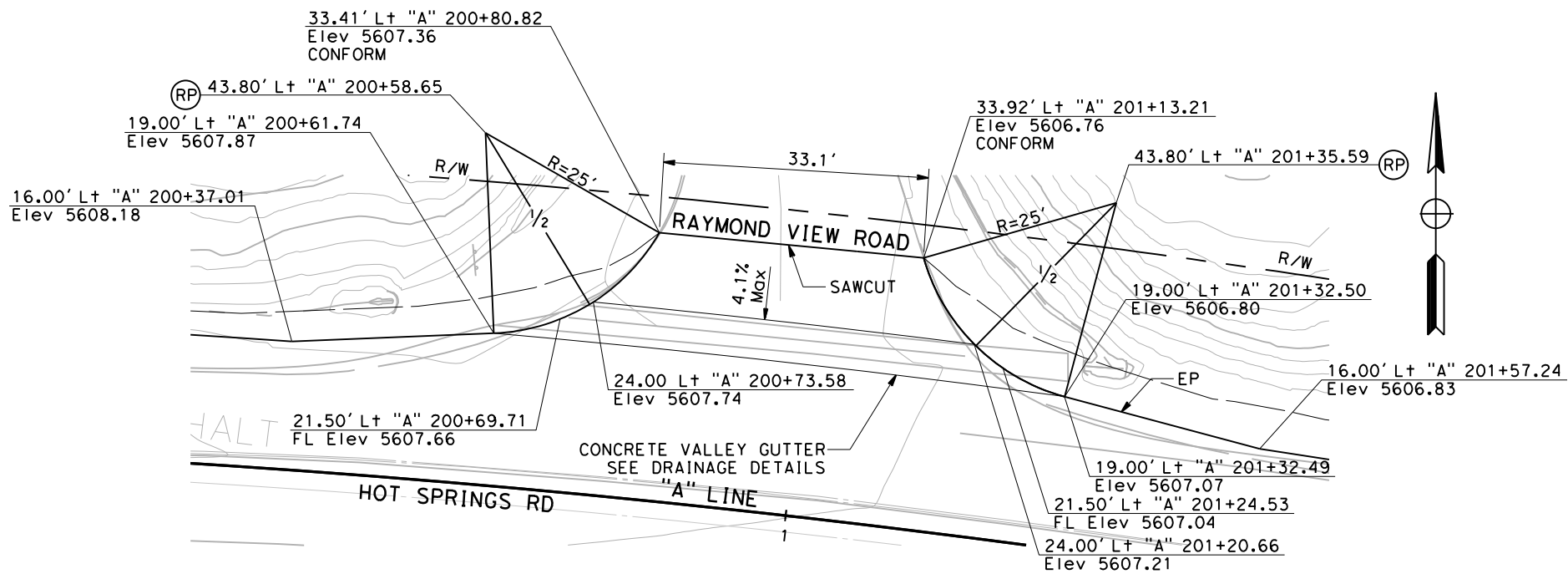
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TIME PLOTTED => 3:58:30 PM

ALPINE COUNTY PUBLIC WORKS	SAMUEL R. BOOTH	CONSULTANT	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED

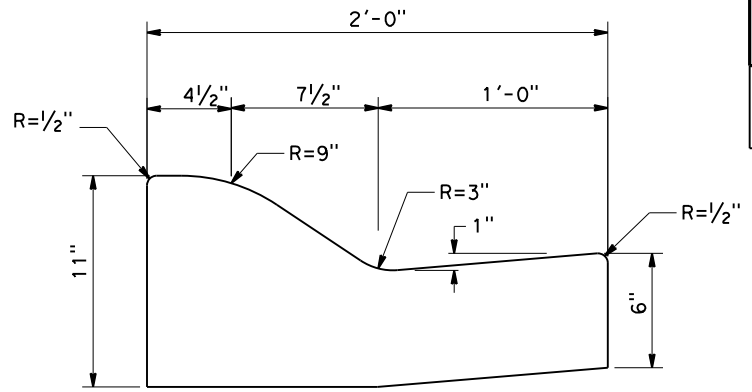
"A" LINE HOT SPRINGS RD ASPHALT



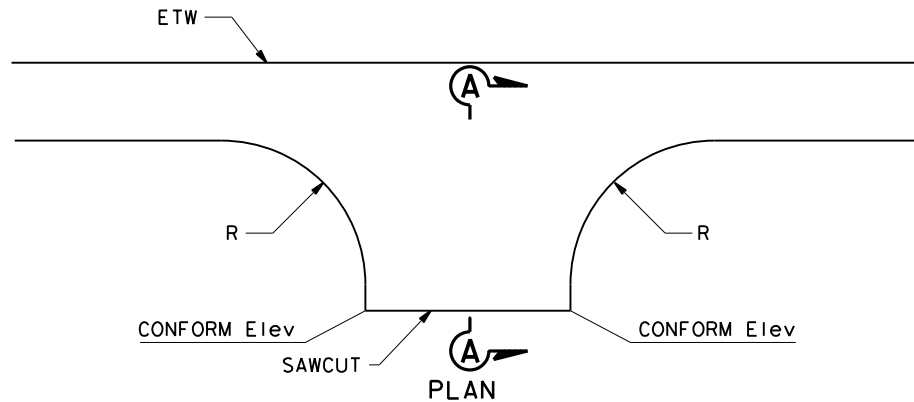
PLEASANT VALLEY Rd AT HOT SPRINGS Rd
SCALE: 1"=10'



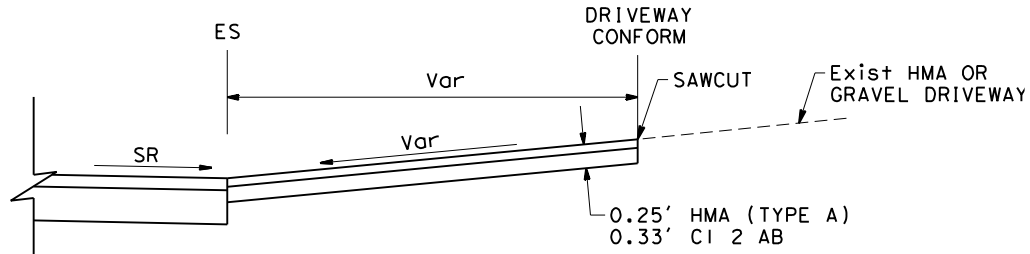
HOT SPRINGS Rd AT RAYMOND VIEW Rd
SCALE: 1"=10'



Conc CURB AND GUTTER
NO SCALE



TYPICAL DRIVEWAY DETAIL
NO SCALE



SECTION A-A
NO SCALE

CONSTRUCTION DETAILS

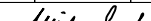
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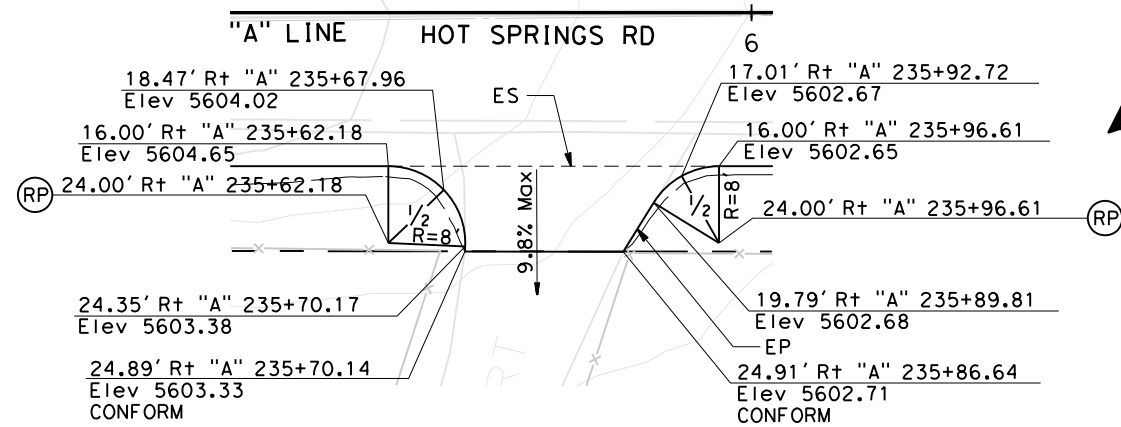
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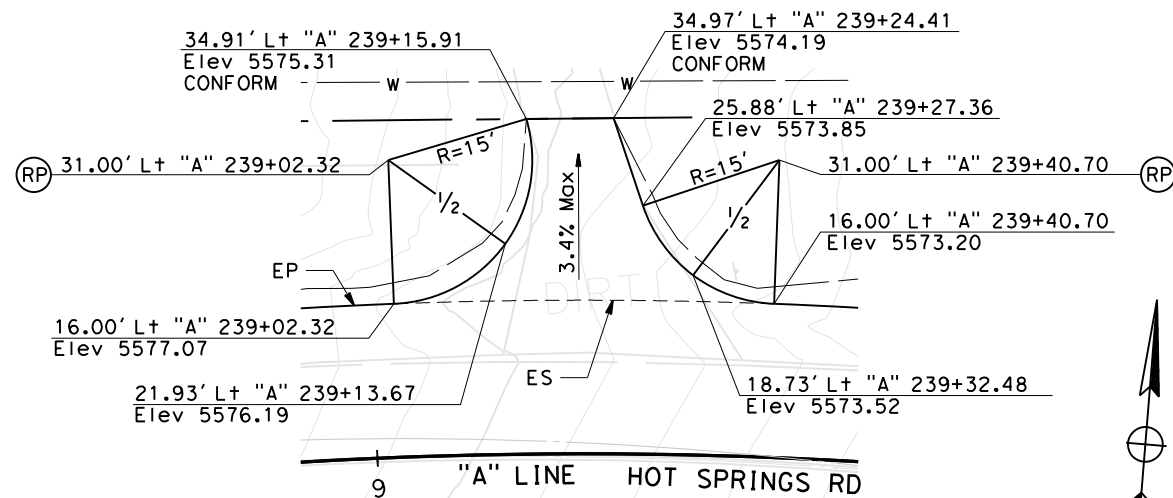


ALPINE COUNTY PUBLIC WORKS	CONSULTANT FUNCTIONAL SUPERVISOR				
SAMUEL R. BOOTH			X	REVISED BY	
		CHECKED BY		DATE REVISED	

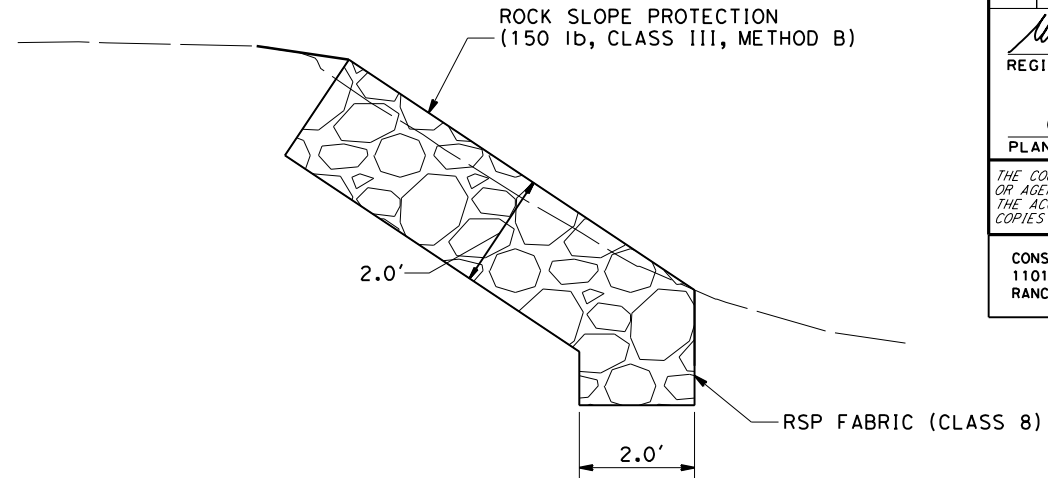
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	7.10.b	
10	ALP	CR	0.82	18	61
 REGISTERED CIVIL ENGINEER			10/13/2023 DATE		
OCTOBER 13, 2023 PLANS APPROVAL DATE					
THE COUNTY OF ALPINE OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
CONSOR NORTH AMERICA INC 11017 COBBLEROCK DRIVE RANCHO CORDOVA, CA 95670			ALPINE COUNTY CDD 50 DIAMOND VALLEY ROAD MARKLEEVILLE, CA 96120		



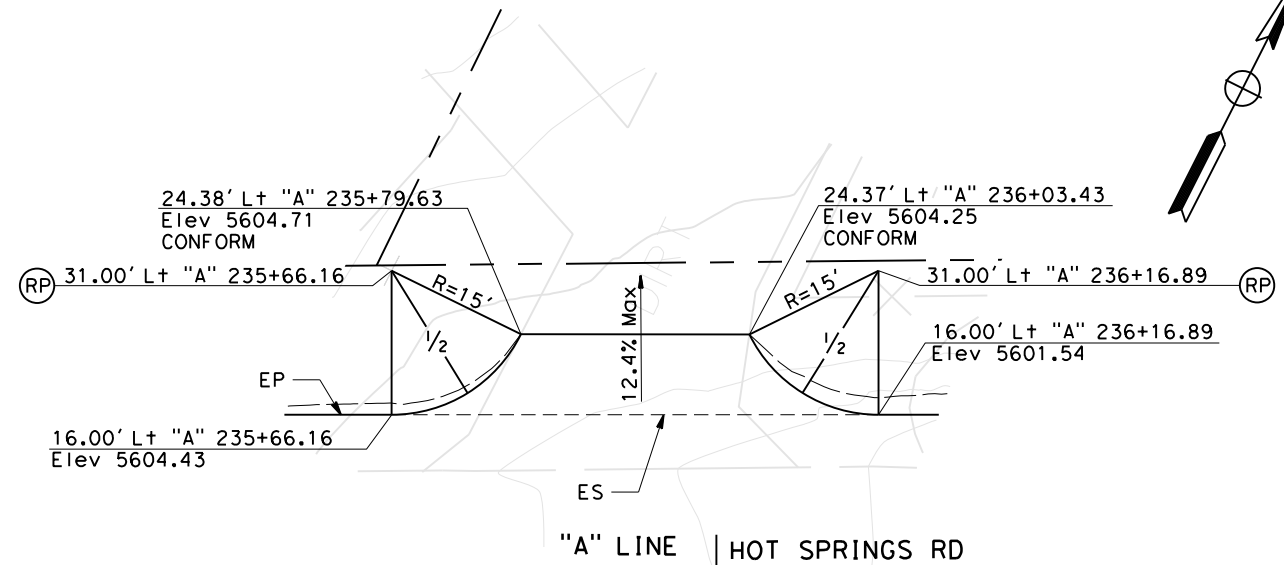
DRIVEWAY 10
Sta "A" 235+62.18 TO 235+96.61 R+
SCALE: 1"=10'



DRIVEWAY 12
Sta "A" 239+02.32 TO 239+32.48 LT
SCALE: 1"=10'



RSP DETAIL
NO SCALE



DRIVEWAY 11
Sta "A" 235+66.18 TO 236+16.89 Rt
SCALE: 1"=10'

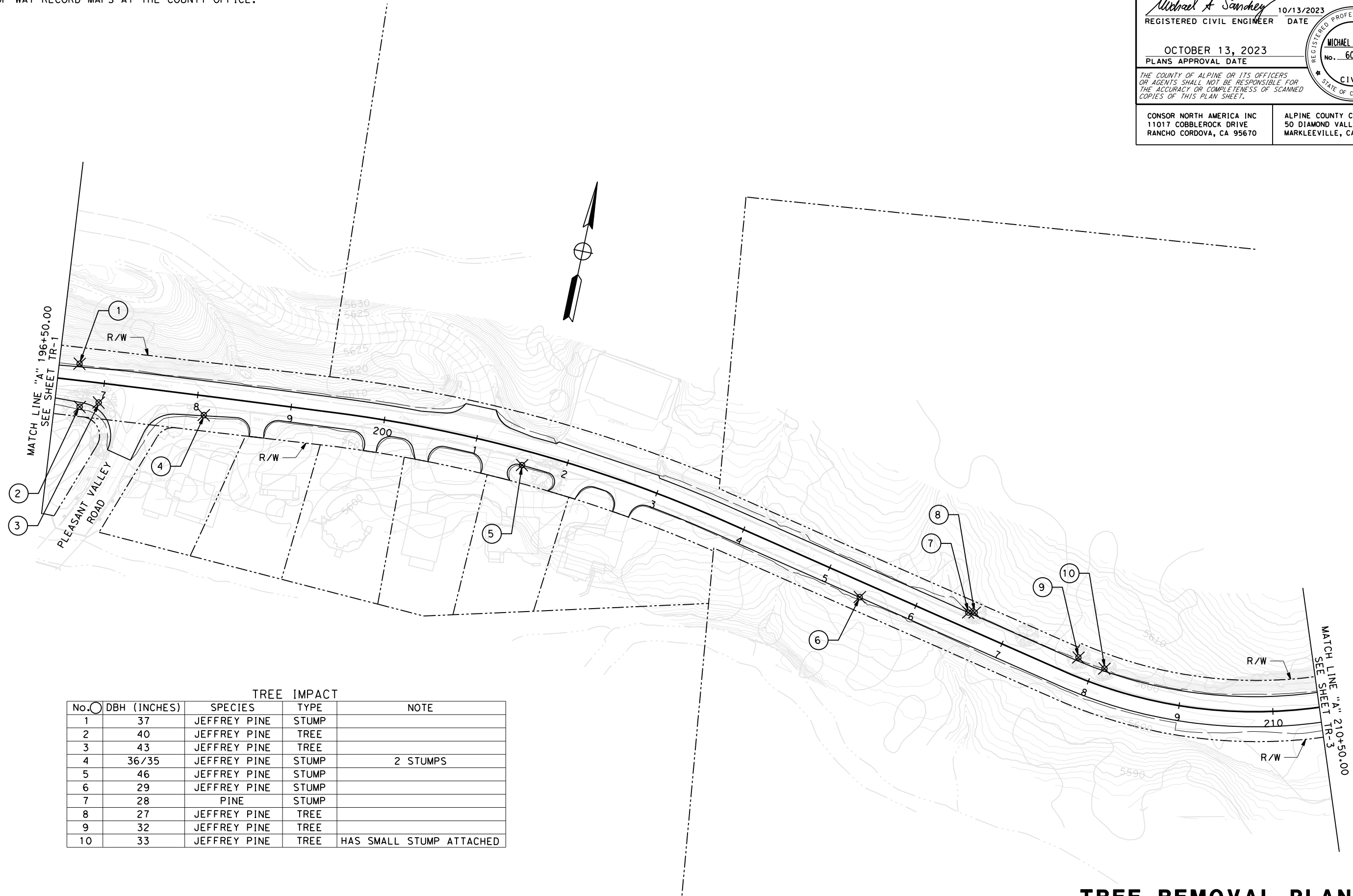
CONSTRUCTION DETAILS

AS SHOWN

Packet Pg. 143

ALPINE COUNTY PUBLIC WORKS		CONSULTANT	FUNCTIONAL SUPERVISOR	CALCULATED- DESIGNED BY	REVIS	BY	DATE
SAMUEL R. BOOTH							

NOTE:
FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA,
SEE RIGHT OF WAY RECORD MAPS AT THE COUNTY OFFICE.



TREE IMPACT				
No.	DBH (INCHES)	SPECIES	TYPE	NOTE
1	37	JEFFREY PINE	STUMP	
2	40	JEFFREY PINE	TREE	
3	43	JEFFREY PINE	TREE	
4	36/35	JEFFREY PINE	STUMP	2 STUMPS
5	46	JEFFREY PINE	STUMP	
6	29	JEFFREY PINE	STUMP	
7	28	PINE	STUMP	
8	27	JEFFREY PINE	TREE	
9	32	JEFFREY PINE	TREE	
10	33	JEFFREY PINE	TREE	HAS SMALL STUMP ATTACHED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	7.10.b	
10	ALP	CR	0.82	20	61
Michael A. Sanchez		10/13/2023	REGISTERED CIVIL ENGINEER DATE		
OCTOBER 13, 2023		PLANS APPROVAL DATE			
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CONSOR NORTH AMERICA INC 11017 COBBLEROCK DRIVE RANCHO CORDOVA, CA 95670			ALPINE COUNTY CDD 50 DIAMOND VALLEY ROAD MARKLEEVILLE, CA 96120		

REGISTERED PROFESSIONAL ENGINEER
MICHAEL SANCHEZ
No. 60254
CIVIL
STATE OF CALIFORNIA

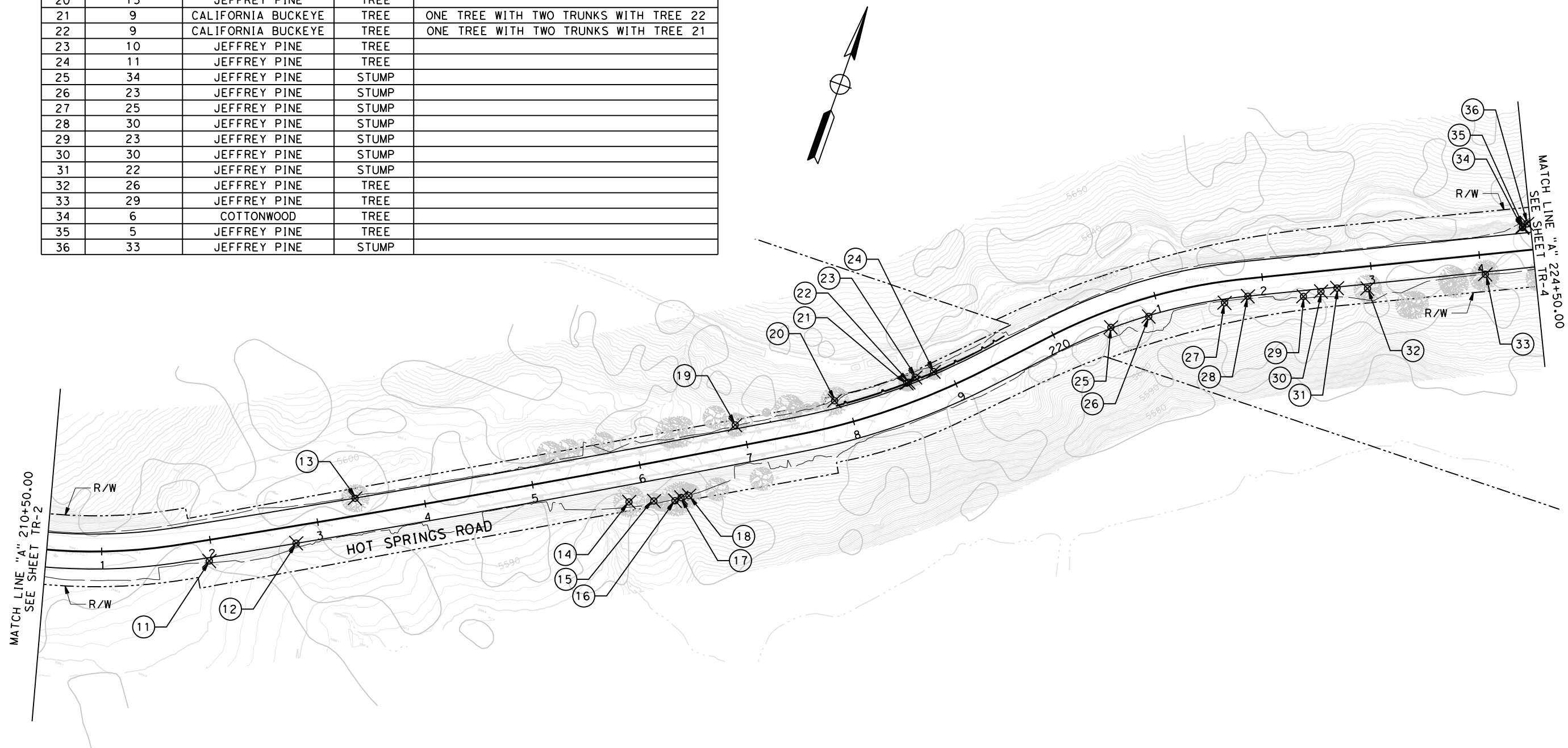
TREE REMOVAL PLAN

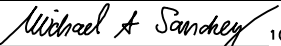
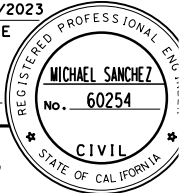
SCALE: 1"=50'

Attachment: 2023 Hot Springs Road_100% Plans_10-13-2023_FINAL (Adoption of Plans and Specs for Hot Springs Rd. Reconstruction Phase)

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA,
SEE RIGHT OF WAY RECORD MAPS AT THE COUNTY OFFICE.

No.○	DBH (INCHES)	SPECIES	TYPE	NOTES
11	33	JEFFREY PINE	STUMP	
12	41	JEFFREY PINE	STUMP	
13	32/27	JEFFREY PINE	STUMP	HAS 27" PINE STUMP ATTACHED
14	6	JEFFREY PINE	TREE	
15	30	JEFFREY PINE	TREE	
16	38	JEFFREY PINE	TREE	
17	39	JEFFREY PINE	TREE	
18	21	JEFFREY PINE	STUMP	
19	16	JEFFREY PINE	TREE	
20	15	JEFFREY PINE	TREE	
21	9	CALIFORNIA BUCKEYE	TREE	ONE TREE WITH TWO TRUNKS WITH TREE 22
22	9	CALIFORNIA BUCKEYE	TREE	ONE TREE WITH TWO TRUNKS WITH TREE 21
23	10	JEFFREY PINE	TREE	
24	11	JEFFREY PINE	TREE	
25	34	JEFFREY PINE	STUMP	
26	23	JEFFREY PINE	STUMP	
27	25	JEFFREY PINE	STUMP	
28	30	JEFFREY PINE	STUMP	
29	23	JEFFREY PINE	STUMP	
30	30	JEFFREY PINE	STUMP	
31	22	JEFFREY PINE	STUMP	
32	26	JEFFREY PINE	TREE	
33	29	JEFFREY PINE	TREE	
34	6	COTTONWOOD	TREE	
35	5	JEFFREY PINE	TREE	
36	33	JEFFREY PINE	STUMP	

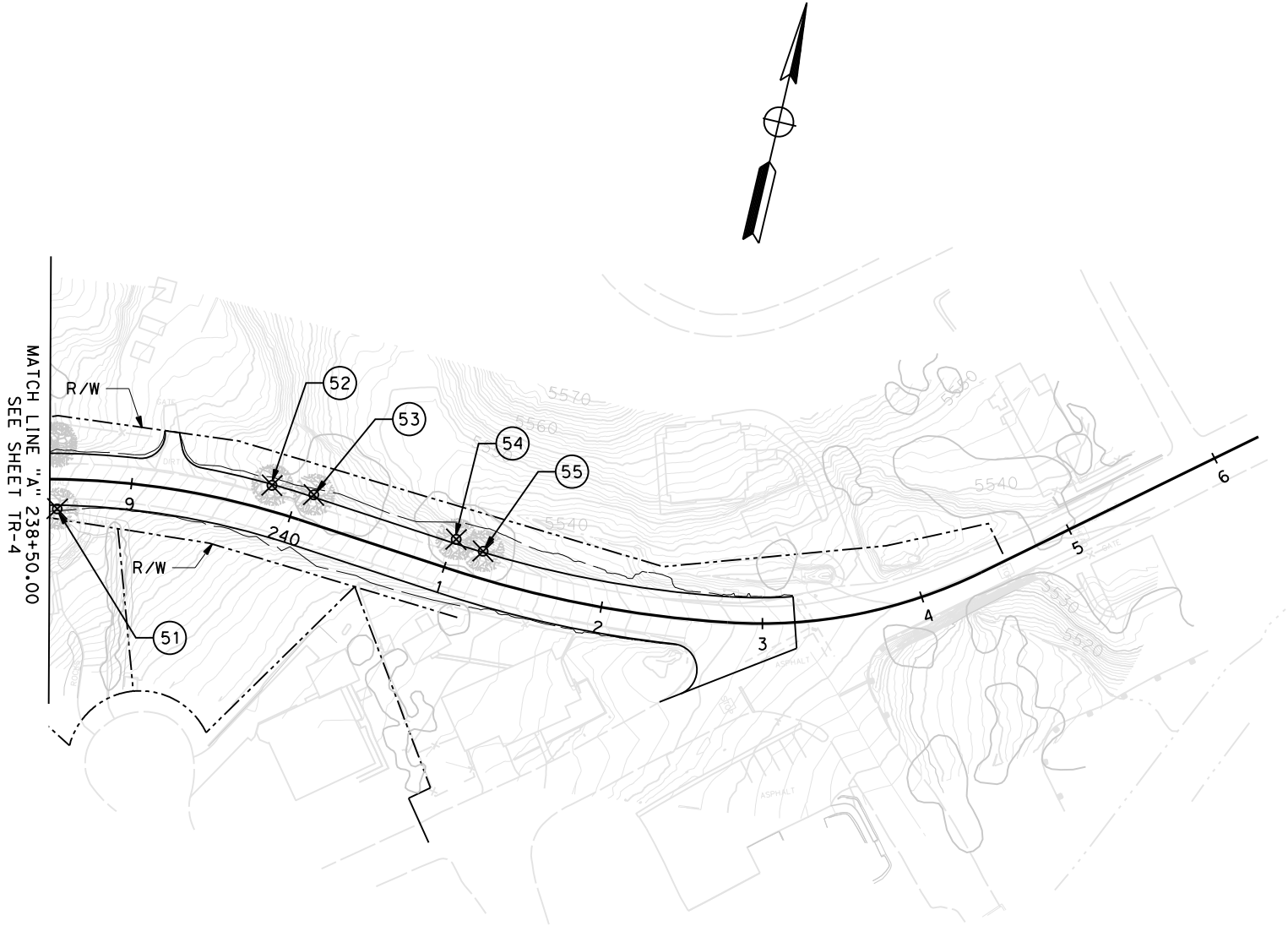


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	7.10.b	
10	ALP	CR	0.82	21	61
			10/13/2023		
REGISTERED CIVIL ENGINEER			DATE		
OCTOBER 13, 2023					
PLANS APPROVAL DATE					
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CONSOR NORTH AMERICA INC 11017 COBBLEROCK DRIVE RANCHO CORDOVA, CA 95670			ALPINE COUNTY CDD 50 DIAMOND VALLEY ROAD MARKLEEVILLE, CA 96120		

SCALE: 1"=50'

ALPINE COUNTY PUBLIC WORKS		CONSULTANT	FUNCTIONAL SUPERVISOR	X	REVISED BY	
SAMUEL R. BOOTH					DATE	REVISED

NOTE:
FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA,
SEE RIGHT OF WAY RECORD MAPS AT THE COUNTY OFFICE.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	7.10.b	
10	ALP	CR	0.82	23	61

Michael A Sanchez
REGISTERED CIVIL ENGINEER

10/13/2023
DATE

OCTOBER 13, 2023
PLANS APPROVAL DATE

THE COUNTY OF ALPINE OR ITS OFFICERS
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CONSOR NORTH AMERICA INC
11017 COBBLEROCK DRIVE
RANCHO CORDOVA, CA 95670

ALPINE COUNTY CDD
50 DIAMOND VALLEY ROAD
MARKLEEVILLE, CA 96120

REGISTERED PROFESSIONAL ENGINEER
MICHAEL SANCHEZ
No. 60254
CIVIL
STATE OF CALIFORNIA

TREE IMPACT			
No.	DBH (INCHES)	SPECIES	TYPE
51	20	JEFFREY PINE	TREE
52	25	JEFFREY PINE	TREE
53	19	JEFFREY PINE	TREE
54	36	JEFFREY PINE	TREE
55	30	JEFFREY PINE	TREE

TREE REMOVAL PLAN

SCALE: 1"=50'

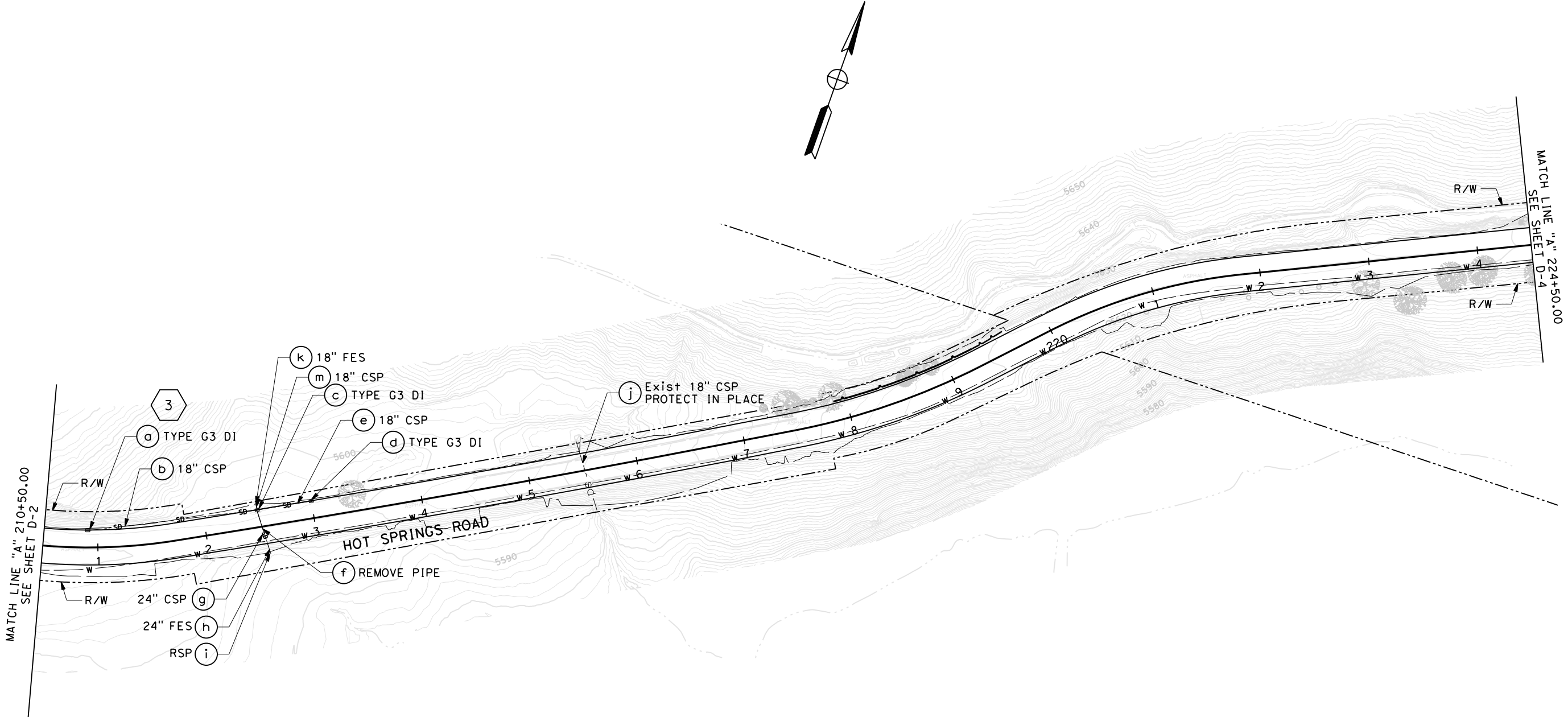
ALPINE COUNTY PUBLIC WORKS		CONSULTANT FUNCTIONAL SUPERVISOR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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ALPINE COUNTY PUBLIC WORKS	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVIS	BY	DATE
SAMUEL R. BOOTH					

NOTE:
FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA,
SEE RIGHT OF WAY RECORD MAPS AT THE COUNTY OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	7.10.b	
10	ALP	CR	0.82	26	61
<i>Michael A Sanchez</i>			10/13/2023		
REGISTERED CIVIL ENGINEER			DATE		
OCTOBER 13, 2023					
PLANS APPROVAL DATE					
THE COUNTY OF ALPINE OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
CONSOR NORTH AMERICA INC 11017 COBBLEROCK DRIVE RANCHO CORDOVA, CA 95670			ALPINE COUNTY CDD 50 DIAMOND VALLEY ROAD MARKLEEVILLE, CA 96120		

REGISTERED PROFESSIONAL ENGINEER
MICHAEL SANCHEZ
No. 60254
CIVIL
STATE OF CALIFORNIA

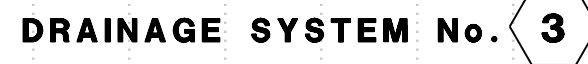
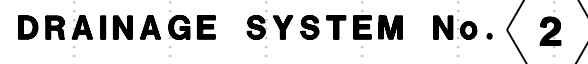


DRAINAGE PLAN

SCALE: 1"=50'

BORDER L

1. CALL OUTS TO DRAINAGE STRUCTURES ARE REFERENCED TO CENTERLINE OF STRUCTURE AT FLOW LINE.
2. GRATE ELEVATIONS ARE GIVEN AT FLOW LINE.
3. SLOPES FLATTER THAN 1:1 ARE PREFERRED WHERE R/W PERMITS.



DRAINAGE PROFILE

SCALE: Horiz 1"=20'
Vert 1"=10'

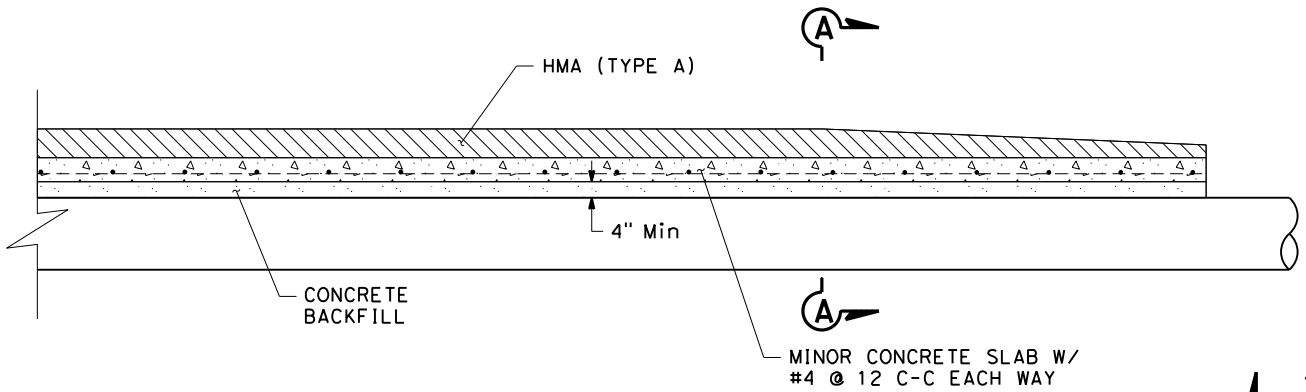
Packet Pg. 154

PROJECT NUMBER & PHASE 00000000001

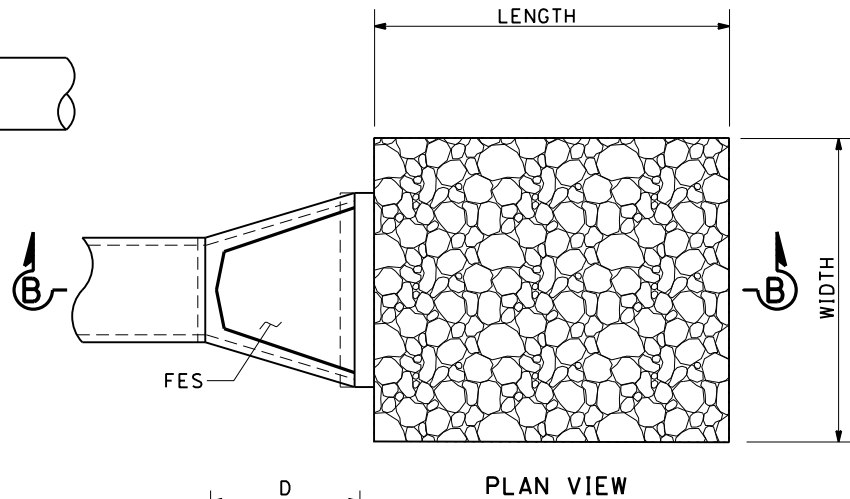
Attachment: 2023_Hot Springs Road_100% Plans_10-13-2023_FINAL (Adoption of Plans and Specs for Hot Springs Rd. Reconstruction Phase

REVIS... DATE PLOTTED => 10/12/2023

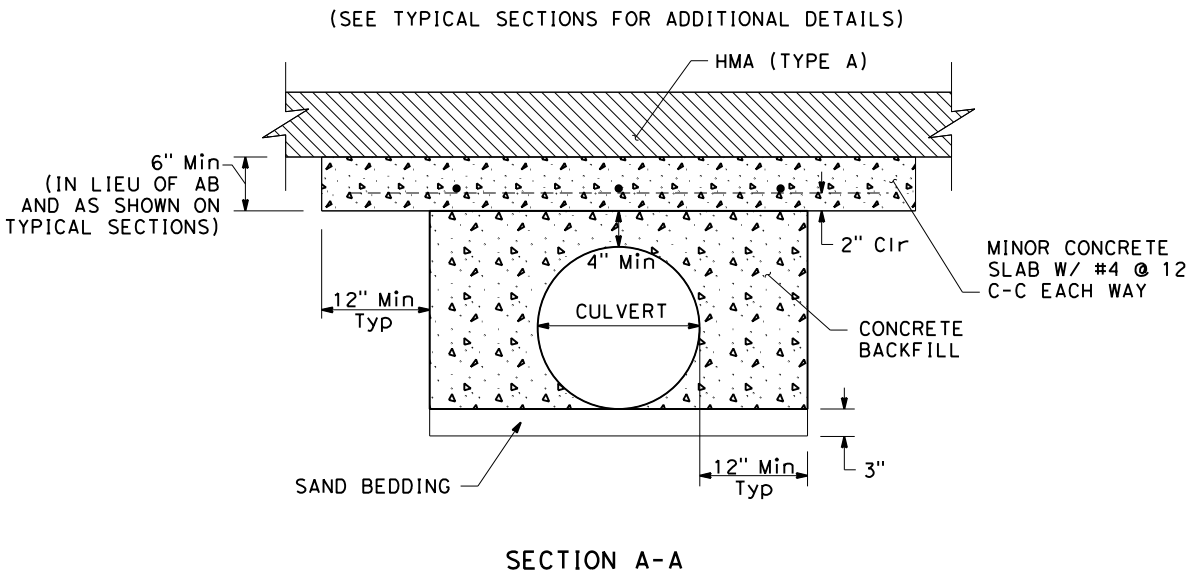
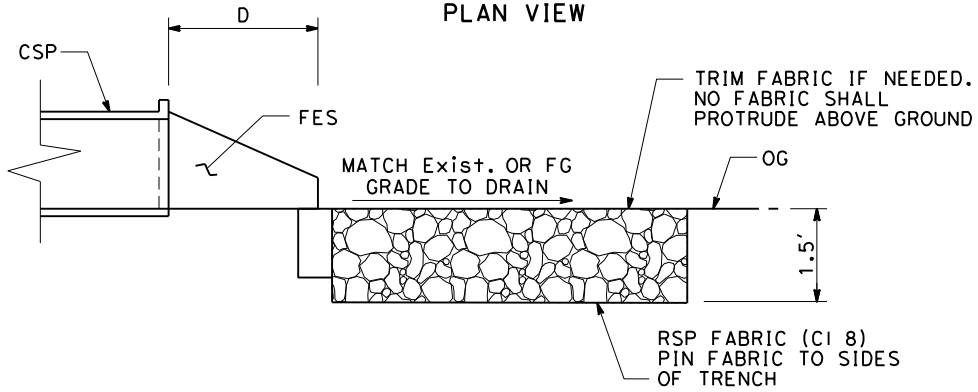
ALPINE COUNTY PUBLIC WORKS	CONSULTANT FUNCTIONAL SUPERVISOR		X	REVISED BY		
SAMUEL R. BOOTH	CHECKED BY			DATE	REVISED	



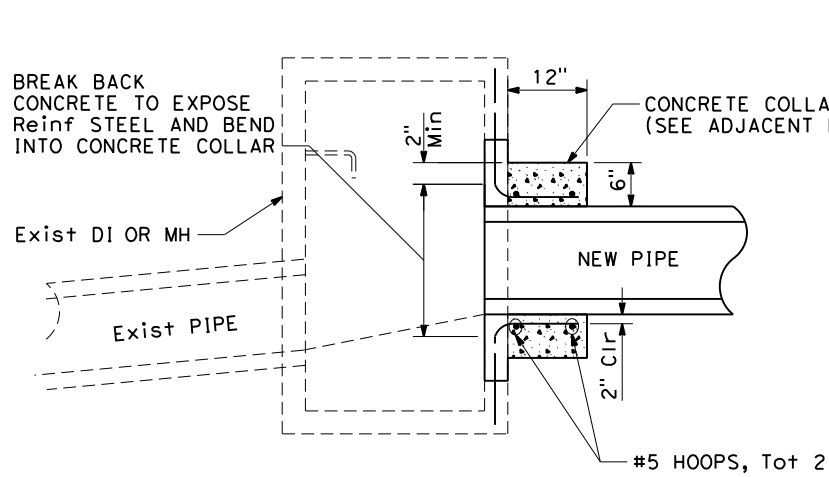
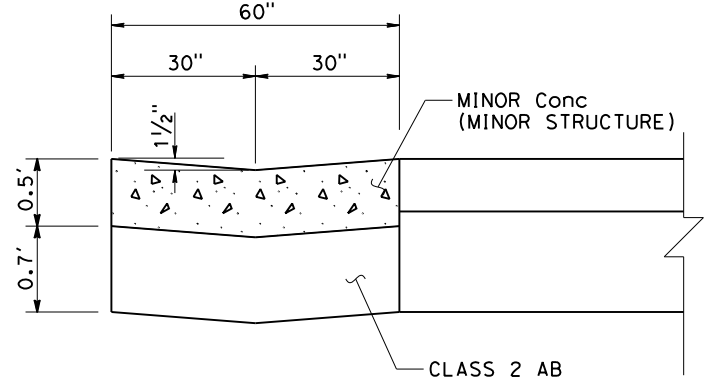
MINOR CONCRETE (PIPE ENCASEMENT)



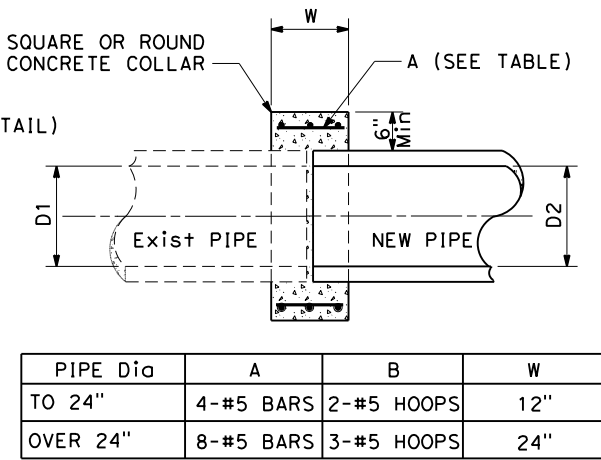
SECTION B-B
ROCK SLOPE PROTECTION (RSP)



CONCRETE VALLEY GUTTER

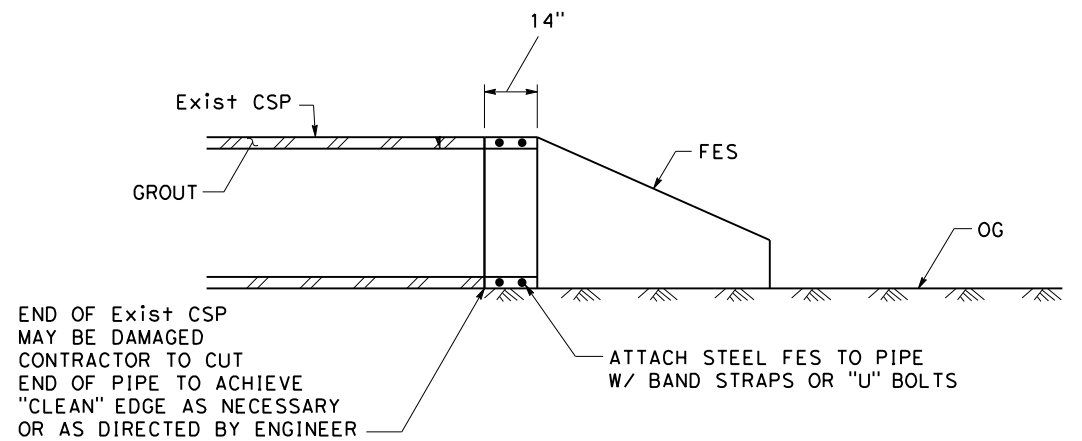


PIPE CONNECTION TO EXISTING INLET/MANHOLE



CONCRETE COLLAR

NOTE:
IF NO EXISTING STEEL REINFORCEMENT
IS PRESENT, THEN DRILL AND GROUT
#4 BARS INTO CONCRETE.
6" MINIMUM EMBEDMENT. BEND BARS
INTO COLLAR. TOTAL 4, SPACED EVENLY.



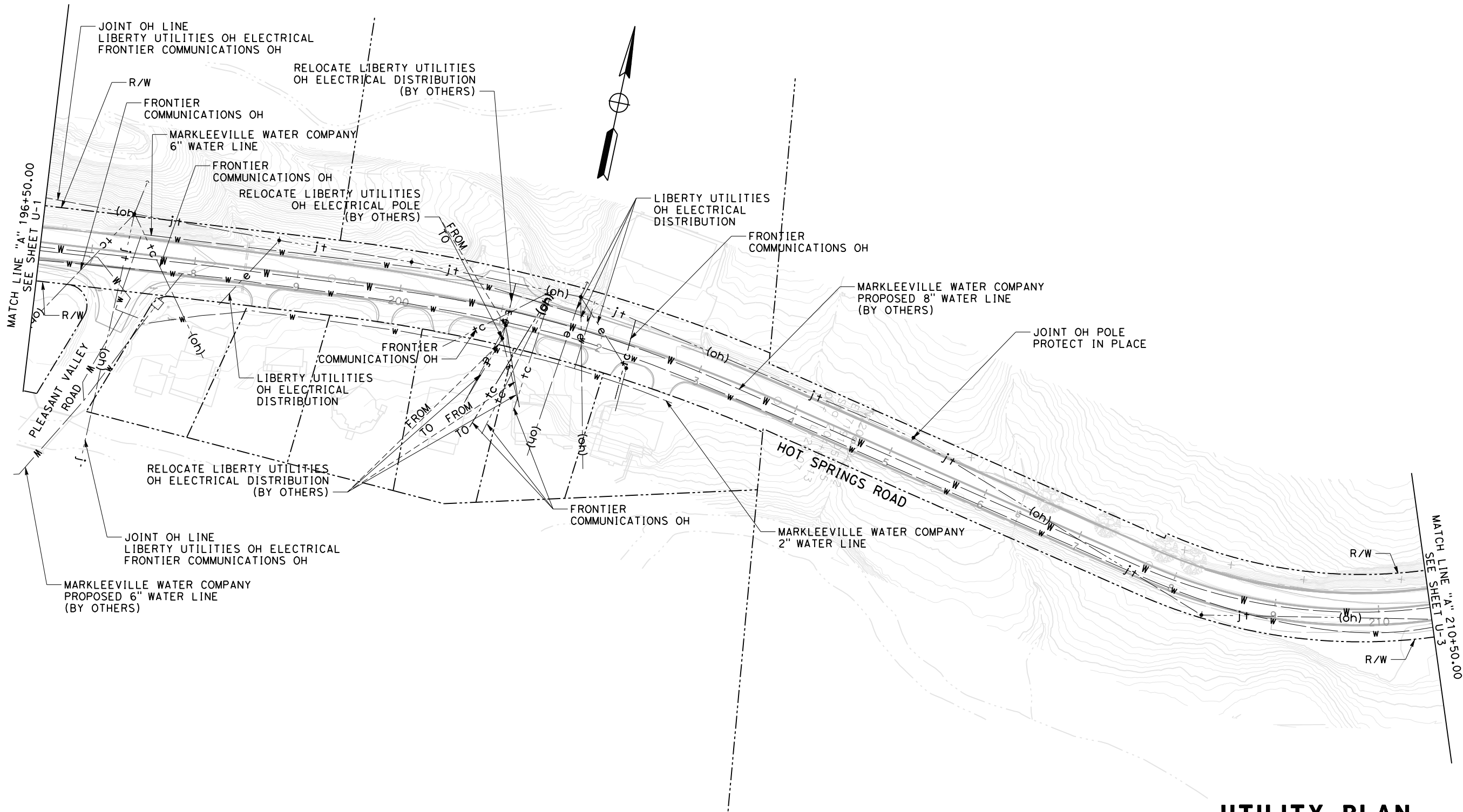
FLARED END SECTION (FES) CONNECTION TO EXISTING PIPE

DRAINAGE DETAILS

NO SCALE

ALPINE COUNTY PUBLIC WORKS	CONSULTANT FUNCTIONAL SUPERVISOR		CALCULATED- DESIGNED BY	X	REVISED BY	
SAMUEL R. BOOTH		CHECKED BY				

NOTE:
FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA,
SEE RIGHT OF WAY RECORD MAPS AT THE COUNTY OFFICE.



UTILITY PLAN

SCALE: 1"=50'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	7.10.b	
10	ALP	CR	0.82	34	61
<i>Michael A Sanchez</i>			10/13/2023		
REGISTERED CIVIL ENGINEER			DATE		
OCTOBER 13, 2023					
PLANS APPROVAL DATE					
THE COUNTY OF ALPINE OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
CONSOR NORTH AMERICA INC 11017 COBBLEROCK DRIVE RANCHO CORDOVA, CA 95670			ALPINE COUNTY CDD 50 DIAMOND VALLEY ROAD MARKLEEVILLE, CA 96120		

REGISTERED PROFESSIONAL ENGINEER
MICHAEL SANCHEZ
No. 60254
CIVIL
STATE OF CALIFORNIA

Attachment: 2023 Hot Springs Road_100% Plans_10-13-2023_FINAL (Adoption of Plans and Specs for Hot Springs Rd. Reconstruction Phase)

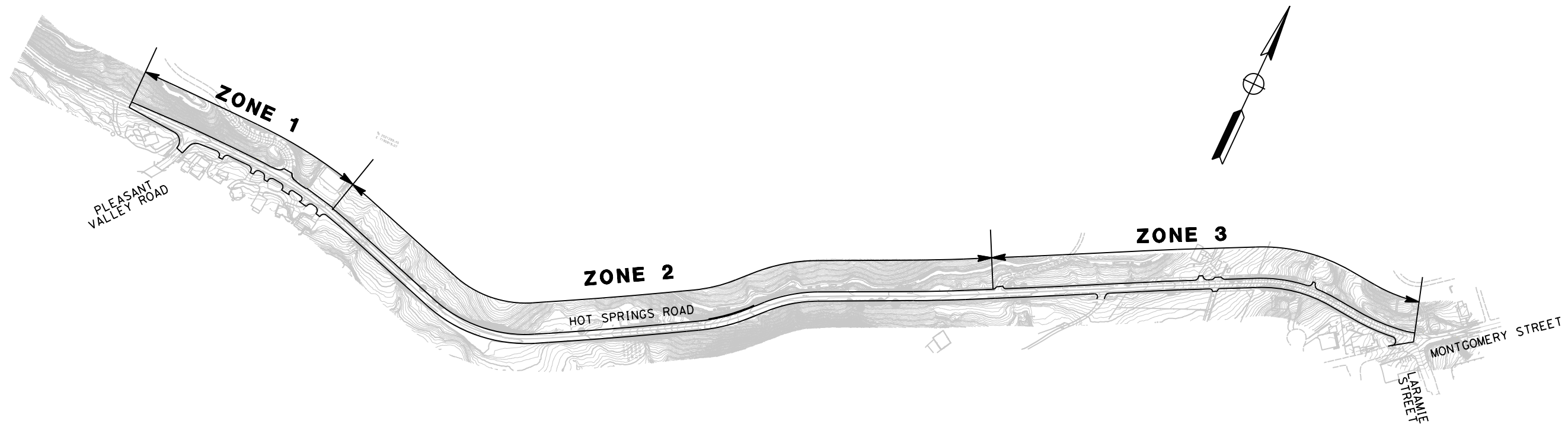
ALPINE COUNTY PUBLIC WORKS		CONSULTANT FUNCTIONAL SUPERVISOR							
SAMUEL R. BOOTH									
								</	

ALPINE COUNTY PUBLIC WORKS	CONSULTANT FUNCTIONAL SUPERVISOR					
SAMUEL R. BOOTH			X	REVISED BY		
				CHECKED BY	DATE REVISED	

NOTES:

1. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT THE COUNTY OFFICE.
2. THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	7.10.b	
10	ALP	CR	0.82	39	61
<i>Michael A Sanchez</i> REGISTERED CIVIL ENGINEER			10/13/2023 DATE		
OCTOBER 13, 2023 PLANS APPROVAL DATE					
THE COUNTY OF ALPINE OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
CONSOR NORTH AMERICA INC 11017 COBBLEROCK DRIVE RANCHO CORDOVA, CA 95670			ALPINE COUNTY CDD 50 DIAMOND VALLEY ROAD MARKLEEVILLE, CA 96120		



ZONE 1 & 3: FLAGGER METHOD

MAINTAIN ACCESS TO/FROM PLEASANT VALLEY ROAD AND DRIVEWAYS.
FLAGGER CONTROL FOR ONE LANE, TWO-WAY TRAFFIC DURING CONSTRUCTION.
RETURN TO TWO LANES AT NIGHT AND DURING NON-WORKING HOURS.

ZONE 2: TEMPORARY TRAFFIC SIGNAL METHOD

USE PORTABLE TRAFFIC SIGNALS (IN CONJUNCTION WITH Temp SIGNS AND Temp STOP BAR) TO CONTROL TRAFFIC ALLOWING ONE LANE, TWO-WAY TRAFFIC.

STAGE CONSTRUCTION

SCALE: 1"=200'

ALPINE COUNTY PUBLIC WORKS	CONSULTANT FUNCTIONAL SUPERVISOR					
SAMUEL R. BOOTH			X	REVISED BY		
				CHECKED BY		
				DATE REVISED		

NOTES:

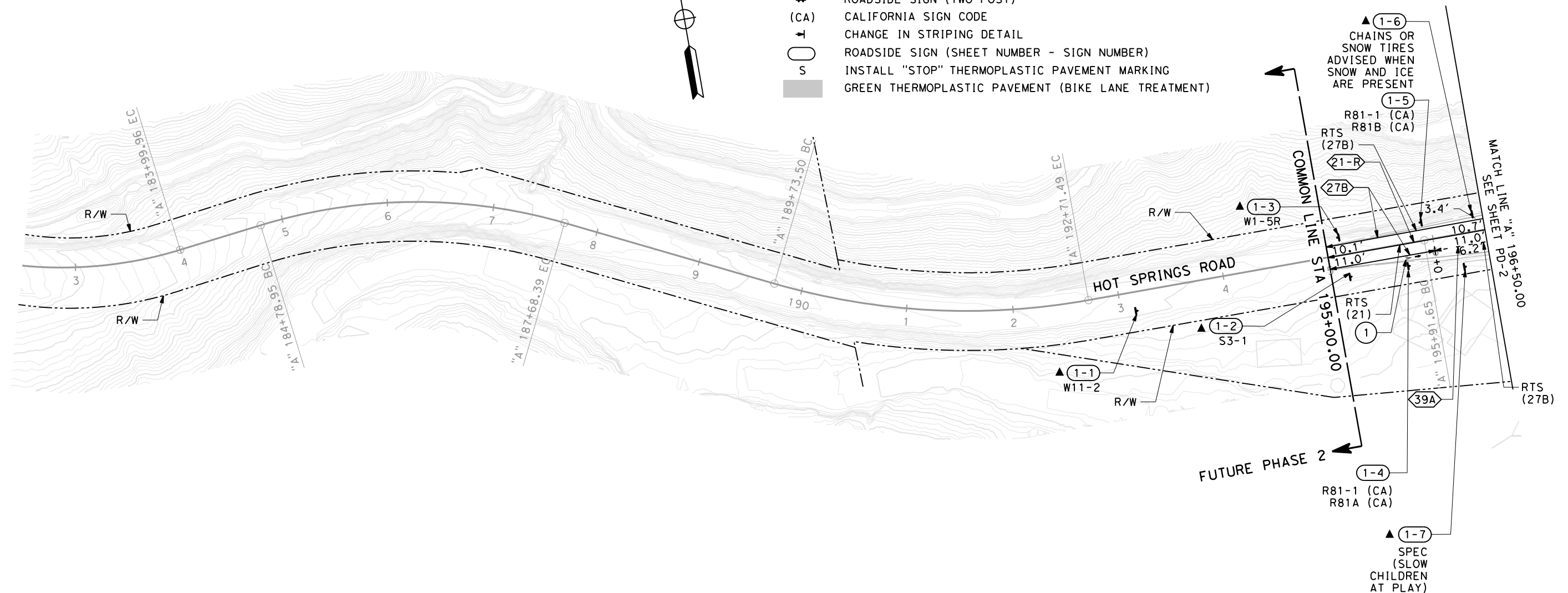
1. THIS PLAN ACCURATE FOR PAVEMENT DELINEATION AND SIGNING WORK ONLY.
2. TRAFFIC STRIPING SHALL BE 4" WIDE MODIFIED FROM CALTRANS STANDARD PLANS A20A AND A20B

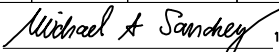
ABBREVIATIONS:

LL	12" LIMIT LINE (STOP LINE)
YL	YIELD LINE
RTS	REMOVE THERMOPLASTIC TRAFFIC STRIPE
RPM	REMOVE THERMOPLASTIC PAVEMENT MARKING

LEGEND:

- | | |
|-------|--|
| 1 | INSTALL BIKE LANE SYMBOL WITH PERSON AND BIKE LANE ARROW |
| 2 | INSTALL BIKE LANE SYMBOL WITH PERSON AND BIKE LANE ARROW ON GREEN THERMOPLASTIC PAVEMENT |
| 3 | INSTALL SHARED ROADWAY BICYCLE MARKING |
| 4 | RELOCATE TYPE L-1 OBJECT MARKER AND SNOW POST |
| No. | PAVEMENT DELINEATION DETAIL NUMBER |
| No.-R | PAVEMENT DELINEATION DETAIL NUMBER, RECESSED TRAFFIC STRIPE |
| ▲ | EXISTING SIGN TO REMAIN |
| ■ | RELOCATE ROADSIDE SIGN |
| ● | REMOVE ROADSIDE SIGN |
| * | RESET ROADSIDE SIGN |
| ▶ | OBJECT MARKER (TYPE L-1) AND SNOW POST |
| ⊣ | EXISTING ROADSIDE SIGN TO BE REMOVED OR RELOCATED |
| ⊣ | ROADSIDE SIGN (ONE POST) |
| ⊣ | ROADSIDE SIGN (TWO POST) |
| (CA) | CALIFORNIA SIGN CODE |
| → | CHANGE IN STRIPING DETAIL |
| ○ | ROADSIDE SIGN (SHEET NUMBER - SIGN NUMBER) |
| S | INSTALL "STOP" THERMOPLASTIC PAVEMENT MARKING |
| | GREEN THERMOPLASTIC PAVEMENT (BIKE LANE TREATMENT) |



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	7.10.b	
10	ALP	CR	0.82	41	61
 REGISTERED CIVIL ENGINEER			10/13/2023		
OCTOBER 13, 2023			DATE		
PLANS APPROVAL DATE					
THE COUNTY OF ALPINE OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
CONSOR NORTH AMERICA INC 11017 COBBLEROCK DRIVE RANCHO CORDOVA, CA 95670			ALPINE COUNTY CDD 50 DIAMOND VALLEY ROAD MARKLEEVILLE, CA 96120		

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1"=50'

Packet Pg. 166

x
x
x
x

Attachment: 2023 Hot Springs Road 100% Plans 10-13-2023 FINAL (Adoption of Plans and Specs for Hot Springs Rd. Reconstruction Phase



Packet Pg. 167

[illegible]

Attachment: 2023_Hot Springs Road_100% Plans_10-13-2023_FINAL (Adoption of Plans and Specs for Hot Springs Rd. Reconstruction Phase



DDO

Packet Pg. 168

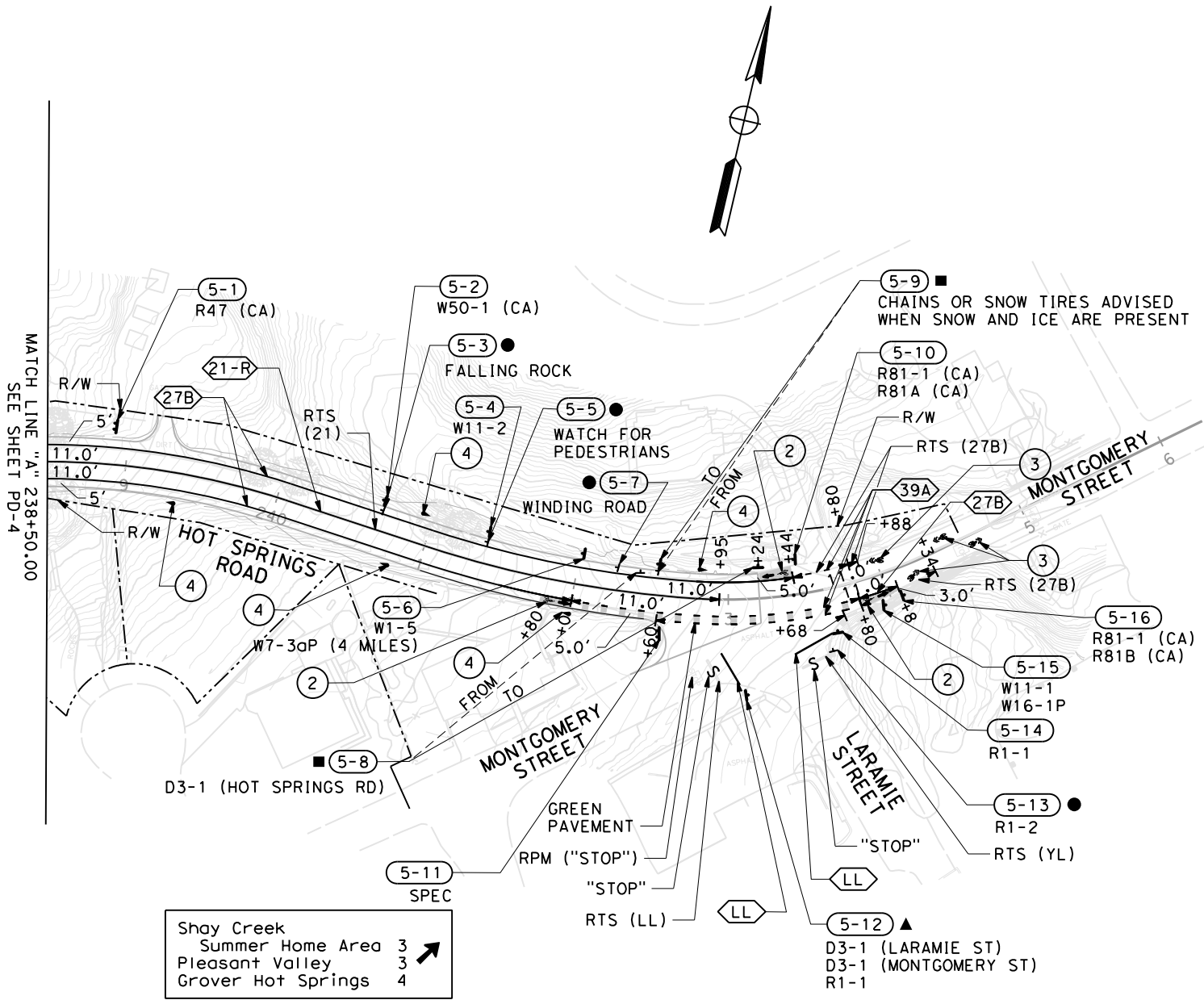
0000000001

x

Attachment: 2023_Hot Springs Road_100% Plans_10-13-2023_FINAL (Adoption of Plans and Specs for Hot Springs Rd. Reconstruction Phase



SCALE: 1"=50'



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	7.10.b	
10	ALP	CR	0.82	45	61
<i>Michael A Sanchez</i> REGISTERED CIVIL ENGINEER			10/13/2023 DATE		
OCTOBER 13, 2023 PLANS APPROVAL DATE			REGISTERED PROFESSIONAL ENGINEER MICHAEL SANCHEZ No. 60254 CIVIL STATE OF CALIFORNIA		
THE COUNTY OF ALPINE OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
CONSOR NORTH AMERICA INC 11017 COBBLEROCK DRIVE RANCHO CORDOVA, CA 95670			ALPINE COUNTY CDD 50 DIAMOND VALLEY ROAD MARKLEEVILLE, CA 96120		

PAVEMENT DELINEATION
AND SIGN PLAN

SCALE: 1"=50'

Attachment: 2023_Hot Springs Road_100% Plans_10-13-2023_FINAL (Adoption of Plans and Specs for Hot Springs Rd. Reconstruction Phase)

00-00-00 DATE PLOTTED => 10/12/2023
00-00-00 TIME PLOTTED => 10:25:59 AM

ALPINE COUNTY PUBLIC WORKS	CONSULTANT FUNCTIONAL SUPERVISOR					
SAMUEL R. BOOTH						

SIGNING QUANTITIES																				
SHEET No.	SIGN No.	SIGN CODE	MESSAGE	SIGN PANEL SIZE	ROADSIDE SIGN WOOD		ROADSIDE SIGN METAL	REMOVE ROADSIDE SIGN	RELOCATE ROADSIDE SIGN	RESET ROADSIDE SIGN	RELOCATE SNOW POLE MARKER	SNOW POLE MARKER	REMOVE SNOW POLE MARKER	FURNISH SINGLE SHEET ALUMINUM - UNFRAMED	BACKGROUND	LEGEND/S YMBOL				
					ONE POST	TWO POST	ONE POST									.063"	COLOR	COLOR		
				INCHES	EA	EA	EA	EA	EA	EA	EA	EA	EA	SQFT						
PD-1	1-4	R81-1 (CA)		12 x 8	1									0.67	WHITE	BLACK				
		R81A (CA)		12 x 5										0.42	WHITE	BLACK				
	1-5	R81-1 (CA)		12 x 8	1									0.67	WHITE	BLACK				
		R81B (CA)		8 x 5										0.28	WHITE	BLACK				
PD-2	2-3	W11-1		30 x 30	1									6.25	YELLOW	BLACK				
		W16-1		18 x 24										3	YELLOW	BLACK				
	2-4	R81-1 (CA)		12 x 8	1									0.67	WHITE	BLACK				
		R2-1 (35)													1					
	2-7	R81-1 (CA)		12 x 8	1									0.67	WHITE	BLACK				
		SPECIAL, RECTANGULAR WARNING SIGN	"CHAINS OR SNOW TIRES ADVISED WHEN SNOW AND ICE ARE PRESENT"													1				
	2-10	W11-8																		
		SPECIAL, WARNING PLAQUE	"FIRE STATION"																1	
	2-12	R81-1 (CA)		12 x 8	1										0.67	WHITE	BLACK			
		W1-2L		30 x 30											1					
	PD-3	3-1	W43 (CA) (OLD CODE)	"ICY"		1			1											
			W8-5		30 x 30													1		
W8-5aP			24 x 12																	
PD-4	3-3	W1-2R		30 x 30						1										
	4-2	R81-1 (CA)		12 x 8	1						4	1		0.67	WHITE	BLACK				
4-3	R81-1 (CA)		12 x 8	1												0.67	WHITE	BLACK		
PD-5	5-1	R47 (CA)		54 x 36		1					5			13.5	WHITE	BLACK				
	5-2	W50-1 (CA)		30 x 30	1												6.25	YELLOW	BLACK	
	5-3	SPECIAL, DIAMOND WARNING SIGN	"FALLING ROCK"					1												
		W11-2		30 x 30																
	5-5	SPECIAL, RECTANGULAR WARNING SIGN	"WATCH FOR PEDESTRIANS"					1												
		W1-5L		30 x 30																
	5-6	W7-3aP	"NEXT 4 MILES"	24 x 18														6.25	YELLOW	BLACK
																		3	YELLOW	BLACK
	5-7	SPECIAL, DIAMOND WARNING SIGN	"WINDING ROAD"					1												
		D3-1	"HOT SPRINGS RD"																	
	5-9	SPECIAL, RECTANGULAR WARNING SIGN	"CHAINS OR SNOW TIRES ADVISED WHEN SNOW AND ICE ARE PRESENT"						1											
		R81-1 (CA)		12 x 8																
	5-10	R81A (CA)		12 x 5														0.67	WHITE	BLACK
																		0.42	WHITE	BLACK
	5-11	SPECIAL, RECREATIONAL DESTINATIONS DISTANCE SIGN	"Shay Creek Summer Home Area 3 Pleasant Valley 3 Grover Hot Springs 4"	72 x 36		1												18	BROWN	WHITE
	5-13	R1-2			30 x 30				1											
		R1-1		30 x 30																
	5-15	W11-1		30 x 30	1															
		W16-1P		18 x 24																
5-16	R81-1 (CA)		12 x 8	1										0.67	WHITE	BLACK				
	R81B (CA)		8 x 5																	
TOTAL					16	2	1	5	5	1	29	3	1	106.18						

PAVEMENT MARKING QUANTITIES											
SHEET No.	STATION LIMITS				THERMOPLASTIC PAVEMENT MARKING						
					"STOP"	12" LIMIT LINE	BIKE LANE SYMBOL WITH PERSON	BIKE LANE ARROW	SHARED ROADWAY BICYCLE MARKING	GREEN THERMOPLASTIC PAVEMENT	REMOVE PAVEMENT MARKING
	FROM		TO		SQFT						
PD-2	"A"	197+33	"A"	197+60	22	25				40	
	"A"	197+80	"A"	203+25			21	11			
PD-4	"A"	227+60	"A"	236+50			35	18			
PD-5	"A"	241+80	"A"	244+75	44	52	21	11	46	60	
TOTAL					66	77	77	40	46	100	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	7.10.b	
10	ALP	CR	0.82	46	61

Michael A Sanchez

REGISTERED CIVIL ENGINEER

10/13/2023

DATE



OCTOBER 13, 2023

PLANS APPROVAL DATE

THE COUNTY OF ALPINE OR ITS OFFICERS
OR AGENTS SHALL NOT BE RESPONSIBLE FOR
THE ACCURACY OR COMPLETENESS OF SCANNED
COPIES OF THIS PLAN SHEET.

CONSOR NORTH AMERICA INC
11017 COBBLELOCK DRIVE
RANCHO CORDOVA, CA 95670

ALPINE COUNTY CDD
50 DIAMOND VALLEY ROAD
MARKLEEVILLE, CA 96120

reconstruction Phase

STRIPING QUANTITIES												
SHEET No.	STATION LIMITS				DETAIL No.	LENGTH	No. OF LINES	THERMOPLASTIC TRAFFIC STRIPE				
								4" YELLOW (RECESSED)	4" WHITE	4" WHITE	REMOVE YELLOW PAINTED TRAFFIC STRIPE	REMOV TRAFFI STRIPE
	SCLID		BROKEN 8-4									
	FROM	TO	LF									
PD-1	"A"	195+00	"A"	243+20	21	4,820				4,820		
TO	"A"	195+00	"A"	243+20	27B	4,820					4,820	
PD-5	"A"	195+00	"A"	243+20	27B	4,820					4,820	
PD-1	"A"	195+00	"A"	196+50	21-R	150	2	150				
	"A"	195+00	"A"	196+00	27B	100	1		100			
	"A"	195+00	"A"	196+50	27B	150	1		150			
	"A"	195+00	"A"	196+50	39A	50	1			50		
	"A"	196+00	"A"	197+20	21-R	120	2	120				
PD-2	"A"	196+00	"A"	200+55	27B	406	1		406			
	"A"	196+00	"A"	196+96	39A	96	1			96		
	"A"	197+67	"A"	200+77	21-R	293	2	293				
	"A"	197+80	"A"	210+50	27B	1,273	1		1,273			
	"A"	201+17	"A"	210+50	21-R	933	2	933				
	"A"	201+28	"A"	202+00	39A	72	1			72		
	"A"	202+00	"A"	210+50	27B	845	1		845			
	"A"	210+50	"A"	224+50	21-R	1,400	2	1,400				
PD-3	"A"	210+50	"A"	224+50	27B	1,402	1		1,402			
	"A"	210+50	"A"	224+50	27B	1,398	1		1,398			
	"A"	224+50	"A"	238+50	21-R	1,400	2	1,400				
PD-4	"A"	224+50	"A"	238+50	27B	1,401	1		1,401			
	"A"	224+50	"A"	238+50	27B	1,399	1		1,399			
PD-5	"A"	238+50	"A"	242+95	21-R	445	2	445				
	"A"	238+50	"A"	242+00	27B	349	1		349			
	"A"	238+50	"A"	243+44	28B	493	1		493			
	"A"	242+00	"A"	243+80	39A	180	1			180		
	"A"	242+60	"A"	243+80	39A	120	1			120		
	"A"	243+44	"A"	243+60	39A	36	1			36		
	"A"	243+80	"A"	244+08	27B	28	1		28			
TOTAL								4,741	9,244	554	4,820	9,640

PAVEMENT DELINEATION AND SIGN QUANTITIES

NO SCALE

Packet Pg. 171

ALPINE COUNTY PUBLIC WORKS	CALCULATED-DESIGNED BY	X	REVIS	DATE
SAMUEL R. BOOTH	CHECKED BY	X	REVIS	DATE

ROADWAY QUANTITIES																		
FROM			TO			HOT MIX ASPHALT (TYPE A)	CLASS 2 AGGREGATE BASE	MINOR CONCRETE (MINOR STRUCTURE)	MINOR CONCRETE (CURB & GUTTER)	PLASTIC TRAFFIC DRUM	REMOVE TREE (N)	SAND BEDDING	ROADWAY EXCAVATION	EMBANKMENT (N)	ROCK SLOPE PROTECTION (RSP) FABRIC (CLASS 8)	ROCK SLOPE PROTECTION (RSP) (60 LB. CLASS II, MEHTOD B)	ROCK SLOPE PROTECTION (RSP) (150 LB. CLASS III, MEHTOD B)	COMMENTS
LINE	FROM	OFFSET	LINE	TO	OFFSET													
"A"	195+00.00	L/R	"A"	243+20.00	L/R						55							ENTIRE PROJECT
"A"	195+00.00	L/R	"A"	203+00.00	L/R	933.1	1222						1435	58				ZONE 1
"A"	200+62.00	Lt	"A"	201+32.00	Lt			6.6										VALLEY GUTTER
"A"	203+00.00	L/R	"A"	228+00.00	L/R	2401.1	3268			100			4579	339				ZONE 2
"A"	204+64.00	L/R										1.6						DS-1
"A"	204+64.00	L/R						4.9										CONCRETE SLAB
"A"	204+64.00	L/R						10.2										CONCRETE BACKFILL
"A"	206+37.00	Rt													3	1.3		DS-2
"A"	209+00.00	Lt	"A"	214+50.00	Lt				26									
"A"	212+50.00	Rt													9	3.9		DS-3
"A"	215+23.00	Rt	"A"	216+87.00	Rt										503		228	
"A"	217+25.00	Lt	"A"	219+60.00	Lt				11									
"A"	222+90.00	Rt	"A"	223+05.00	Rt										59		26	
"A"	228+00.00	L/R	"A"	243+20.00	L/R	1527.7	2037						2564	231				ZONE 3
"A"	228+45.00	Lt													8	2.6		DS-4
"A"	228+71.00	Rt													11	5.1		DS-5
TOTAL						4,862	6,527	21.7	37	100	55	1.6	8,578	628	591	12.9	254	

(N) NOT A SEPARATE BID ITEM

Dist

COUNTY

ROUTE

POST MILES
TOTAL PROJECT

7.10.b

10

ALP

CR

0.82

47

61

Michael A Sanchez

10/13/2023

REGISTERED CIVIL ENGINEER

DATE

OCTOBER 13, 2023

PLANS APPROVAL DATE

THE COUNTY OF ALPINE OR ITS OFFICERS
OR AGENTS SHALL NOT BE RESPONSIBLE FOR
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COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER

MICHAEL SANCHEZ

No. 60254

CIVIL

STATE OF CALIFORNIA

CONSOR NORTH AMERICA INC
11017 COBBLEROCK DRIVE
RANCHO CORDOVA, CA 95670

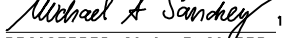
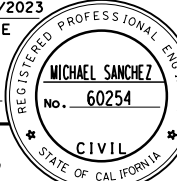
ALPINE COUNTY CDD
50 DIAMOND VALLEY ROAD
MARKLEEVILLE, CA 96120

SUMMARY OF QUANTITIES

NO SCALE

Attachment: 2023_Hot Springs Road_100% Plans_10-13-2023_FINAL (Adoption of Plans and Specs for Hot Springs Rd. Reconstruction Phase

ALPINE COUNTY PUBLIC WORKS	CONSULTANT FUNCTIONAL SUPERVISOR					
SAMUEL R. BOOTH						

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	7.10.b	
10	ALP	CR	0.82	48	61
 REGISTERED CIVIL ENGINEER			10/13/2023		
OCTOBER 13, 2023			DATE		
PLANS APPROVAL DATE					
THE COUNTY OF ALPINE OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
CONSOR NORTH AMERICA INC 11017 COBBLEROCK DRIVE RANCHO CORDOVA, CA 95670			ALPINE COUNTY CDD 50 DIAMOND VALLEY ROAD MARKLEEVILLE, CA 96120		

reconstruction Phase

SEED MIX

BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
ACHILLEA MILLEFOLIUM' (WESTERN YARROW)	76	1
BROMUS CARINATUS' (CALIFORNIA BROME)	83	25
CAREX PRAEGRACILIS' (CLUSTERED FIELD SEDGE)	64	5
ELYMUS GLAUCUS' (BLUE WILD RYE)	80	25
HORDEUM BRACHYANTHERUM' (BARLEY)	87	25
ELMYUS TRITICOIDES' (BEARDLESS WILD RYE)	84	15
ACMISPON AMERICANUS' (SPANISH LOTUS)	77	10
FESTUCA MICROSTACHYS' (SMALL FESCUE)	83	5
	TOTAL	111
* SEED PRODUCED IN NORTHERN SIERRA NEVADA RANGE ABOVE THE 2500 FOOT ELEVATION LEVEL.		

EROSION CONTROL (TYPE 1)

SEQUENCE	ITEM	MATERIAL		APPLICATION RATE	REMARKS
		DESCRIPTION	TYPE		
STEP 1	HYDROSEED	SEED	MIX 1	111 LB/ACRE	
		FIBER	WOOD	500 LB/ACRE	
STEP 2	STRAW	STRAW	WHEAT &/OR BARLEY	2 TON/ACRE	
STEP 3	HYDROMULCH	FIBER	WOOD	750 LB/ACRE	
		TACKIFIER	PSYLLIUM	120 LB/ACRE	
STEP 4	ROLLED EROSION CONTROL PRODUCT (NETTING)	NETTING	TYPE B		
STEP 5	FIBER ROLLS	FIBER ROLL	8" TO 10" DIA		TYPE 2 INSTALLATION

FIBER ROLLS

SEQUENCE	ITEM	MATERIAL		REMARKS
		DESCRIPTION	TYPE	
FIBER ROLLS MUST BE INSTALLED AFTER EROSION CONTROL	FIBER ROLLS	FIBER ROLL	TYPE B 8" TO 10" Dia	TYPE 2 INSTALLATION

EROSION CONTROL LEGEND

NO SCALE

Packet Pg. 173

ALPINE COUNTY PUBLIC WORKS	CONSULTANT FUNCTIONAL SUPERVISOR		X	REVISED BY		
SAMUEL R. BOOTH				DATE REVISED		

- NOTE:**
1. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT THE COUNTY OFFICE.
 2. THIS PLAN ACCURATE FOR EROSION CONTROL WORK ONLY.
 3. TEMPORARY EROSION CONTROL PER CONTRACTOR'S APPROVED SWPPP.
 4. TEMPORARY CONCRETE WASHOUT TO BE PLACED AS DIRECTED BY THE ENGINEER.
 5. INFORMATION SHOWN IS SCHEMATIC.
 6. DELINEATION OF FIBER ROLLS AND TEMPORARY SILT FENCE WILL MATCH TEMPORARY HIGH-VISIBILITY FENCE - SEE EROSION CONTROL DETAIL

LEGEND:

EROSION CONTROL (TYPE 1)

-xx- THVF -xx-

 TEMPORARY HIGH-VISIBILITY FENCE (HVF)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	7.10.b	
10	ALP	CR	0.82	49	61
<i>Michael A Sanchez</i>			10/13/2023		
REGISTERED CIVIL ENGINEER			DATE		
OCTOBER 13, 2023					
PLANS APPROVAL DATE					
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CONSOR NORTH AMERICA INC 11017 COBBLE ROCK DRIVE RANCHO CORDOVA, CA 95670			ALPINE COUNTY CDD 50 DIAMOND VALLEY ROAD MARKLEEVILLE, CA 96120		

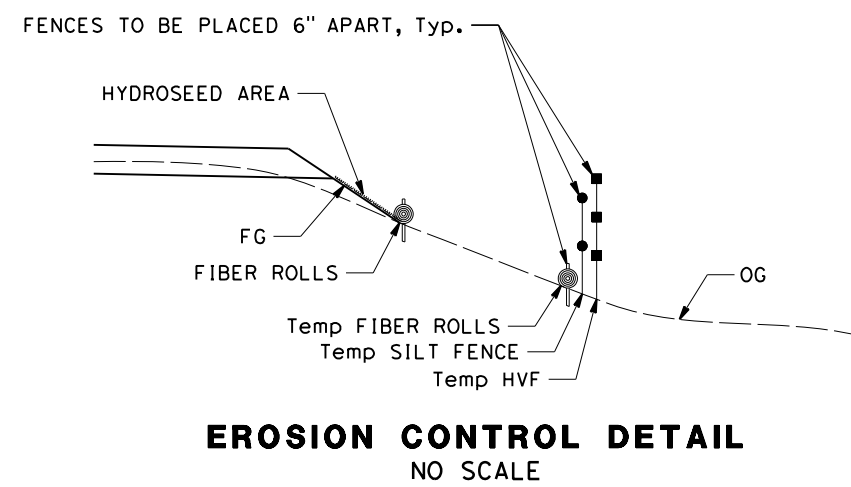
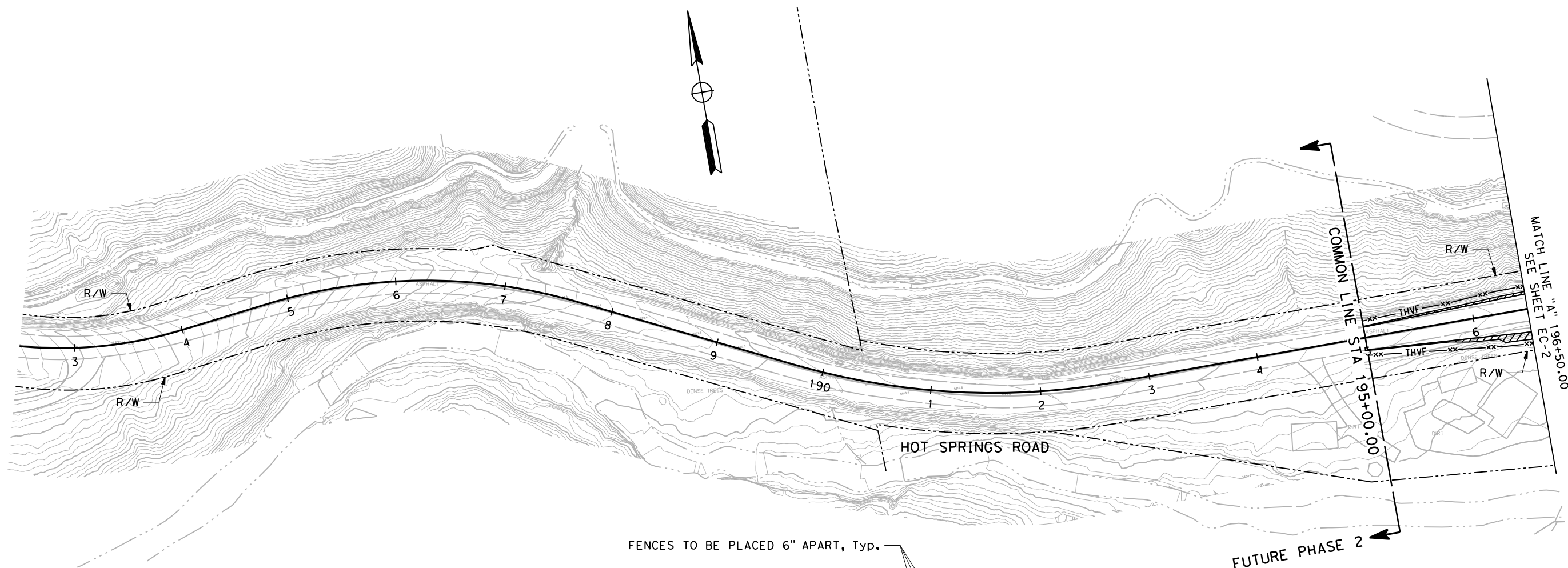
REGISTERED PROFESSIONAL ENGINEER

MICHAEL SANCHEZ

No. 60254

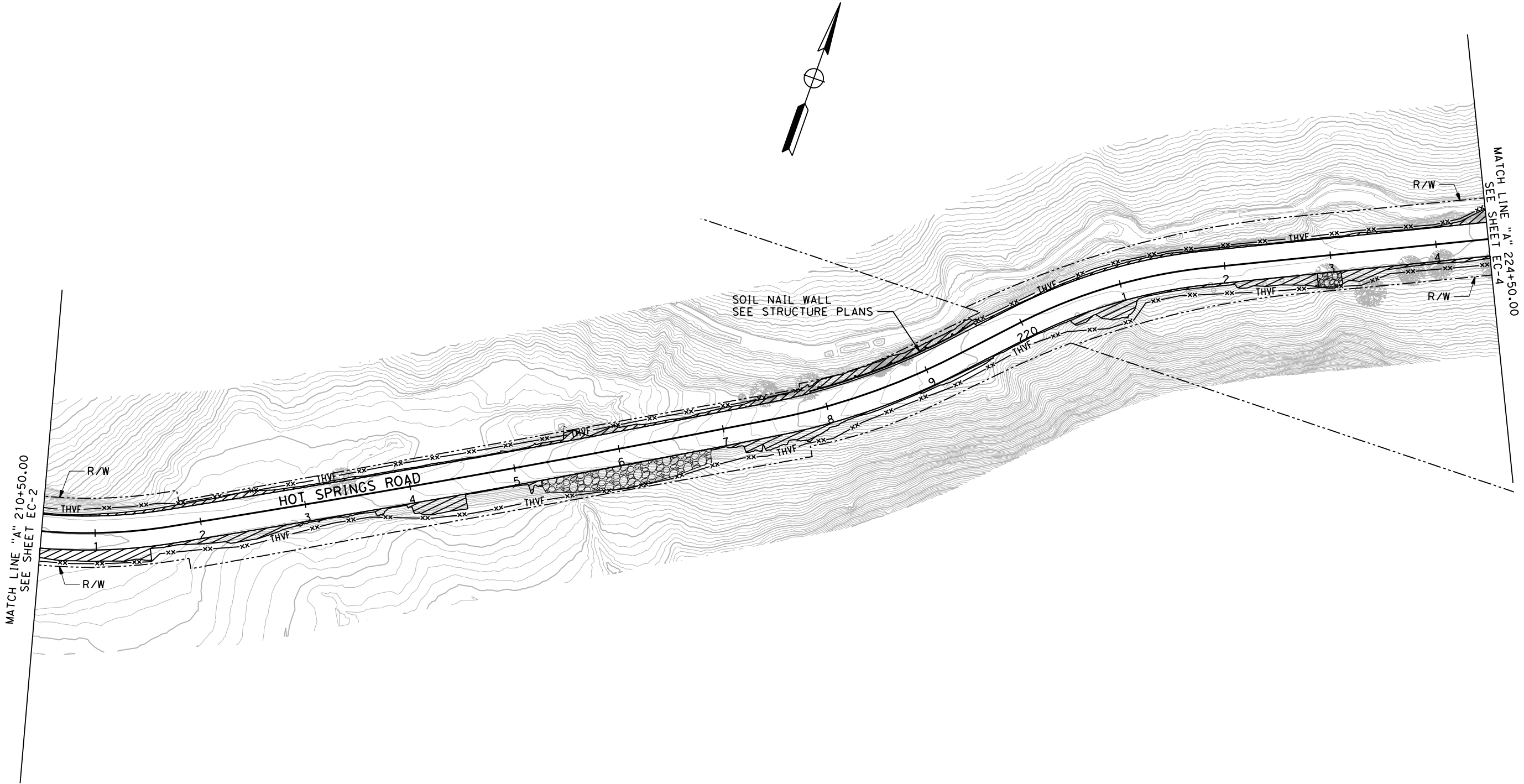
CIVIL

STATE OF CALIFORNIA



ALPINE COUNTY PUBLIC WORKS		CONSULTANT FUNCTIONAL SUPERVISOR		CALCULATED-DESIGNED BY		X		REVISED BY					
SAMUEL R. BOOTH				CHECKED BY				DATE		REVISED			

ALPINE COUNTY PUBLIC WORKS	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVIS	BY	DATE
SAMUEL R. BOOTH		CHECKED BY	X		



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	7.10.b	
10	ALP	CR	0.82	51	61
Michael A. Sanchez			10/13/2023		
REGISTERED CIVIL ENGINEER			DATE		
OCTOBER 13, 2023					
PLANS APPROVAL DATE					
THE COUNTY OF ALPINE OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
CONSOR NORTH AMERICA INC 11017 COBBLEROCK DRIVE RANCHO CORDOVA, CA 95670			ALPINE COUNTY CDD 50 DIAMOND VALLEY ROAD MARKLEEVILLE, CA 96120		

REGISTERED PROFESSIONAL ENGINEER

MICHAEL SANCHEZ

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STATE OF CALIFORNIA

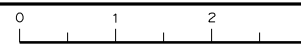
SAMUEL R. BOOTH

Attachment: 2023_Hot Springs Road_100% Plans_10-13-2023_FINAL (Adoption of Plans and Specs for Hot Springs Rd. Reconstruction Phase



SCALE: 1"=50'

Packet Pg. 177



ALPINE COUNTY PUBLIC WORKS		CONSULTANT FUNCTIONAL SUPERVISOR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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ALPINE COUNTY PUBLIC WORKS	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISED BY	x
SAMUEL R. BOOTH		CHECKED BY	DATE REVISED	x

EROSION CONTROL QUANTITIES														
FROM			TO			STRAW	HYDROMULCH	HYDROSEED	ROLLED EROSION CONTROL PRODUCT (NETTING)	FIBER ROLL	TEMPORARY/FIBER ROLL	TEMPORARY REINFORCED SILT FENCE	TEMPORARY/HIGH VISIBILITY FENCE	COMMENTS
LINE	FROM	OFFSET	LINE	TO	OFFSET									
"A"	195+00	L/R	"A"	243+20.00	L/R	29135	29,135	29,135	29,135	8911	8911	8911	8911	ENTIRE PROJECT
TOTAL						29135	29,135	29,135	29,135	8,911	8,911	8,911	8,911	

(N) NOT A SEPARATE BIDD ITEM

Dist

COUNTY

ROUTE

POST MILES
TOTAL PROJECT

7.10.b

10

ALP

CR

0.82

54

61

Michael A Sanchez

REGISTERED CIVIL ENGINEER

10/13/2023

DATE

OCTOBER 13, 2023

PLANS APPROVAL DATE

THE COUNTY OF ALPINE OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER

MICHAEL SANCHEZ

No. 60254

CIVIL

STATE OF CALIFORNIA

CONSOR NORTH AMERICA INC
11017 COBBLEROCK DRIVE
RANCHO CORDOVA, CA 95670

ALPINE COUNTY CDD
50 DIAMOND VALLEY ROAD
MARKLEEVILLE, CA 96120

EROSION CONTROL
QUANTITIES

NO SCALE

WALL DATA TABLE

Wall Point	Station	Top of Wall Elev
(A)	217+93.05	5621.98
(B)	218+04.85	5624.46
(C)	218+19.98	5624.46
(D)	218+29.75	5625.28
(E)	218+38.59	5626.55
(F)	218+55.49	5626.37
(G)	218+60.68	5625.58
(H)	218+73.46	5627.31
(I)	218+84.74	5624.40
(J)	219+22.12	5626.10
(K)	219+36.68	5625.00
(L)	219+43.40	5628.00
(M)	219+45.02	5628.00
(N)	219+54.66	5627.22

Dist

COUNTY

ROUTE

POST MILES TOTAL PROJECT

7.10.b

10

ALP

CR

55

61

Robert Ferguson

REGISTERED CIVIL ENGINEER

DATE

10/13/2023

OCTOBER 13, 2023

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CONSOR NORTH AMERICA, INC.

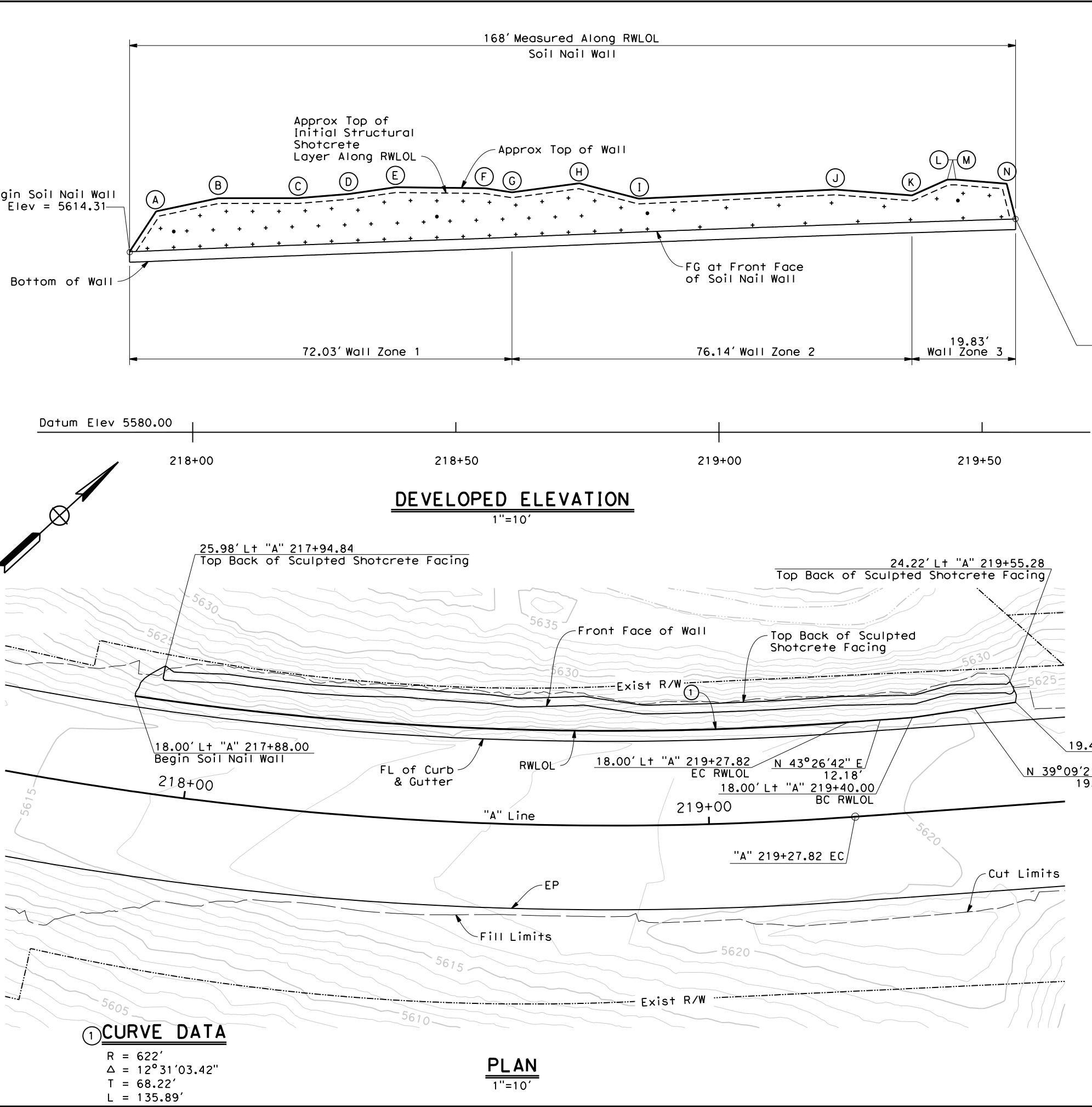
11017 COBBLESTONE DRIVE

RANCHO CORDOVA, CA 95670

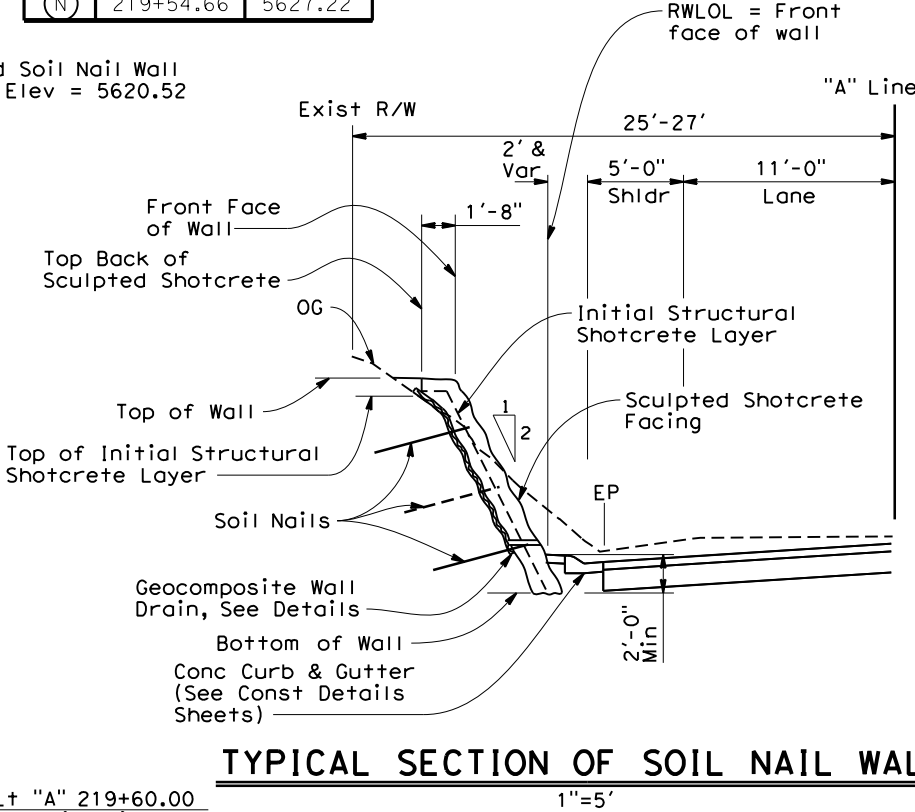
ALPINE PUBLIC WORKS

50 DIAMOND VALLEY ROAD

MARKLEEVILLE, CA 96120



Wall Point	Station	Top of Wall Elev
(A)	217+93.05	5621.98
(B)	218+04.85	5624.46
(C)	218+19.98	5624.46
(D)	218+29.75	5625.28
(E)	218+38.59	5626.55
(F)	218+55.49	5626.37
(G)	218+60.68	5625.58
(H)	218+73.46	5627.31
(I)	218+84.74	5624.40
(J)	219+22.12	5626.10
(K)	219+36.68	5625.00
(L)	219+43.40	5628.00
(M)	219+45.02	5628.00
(N)	219+54.66	5627.22



- Notes:**
1. This Plan is Accurate For Retaining Wall Work Only
 2. The exact location of Proof Test soil nails to be determined by the Engineer.
 3. Top of wall elevations are approximate and shall be verified in the field.
 4. Soil nail locations shown are approximate. Actual locations to be determined by Engineer.
- Legend:**
- + Production Soil Nail
 - Proof Test Soil Nail
- Abbreviations:**
RWLOL Retaining Wall Layout Line

ALPINE COUNTY PUBLIC WORKS

SAMUEL BOOTH

CONSULTANT PROJECT MANAGER

MICHAEL SANCHEZ, P.E.

CALCULATED-DESIGNED BY

CHECKED BY

O. CLARK / R. FERGUSON

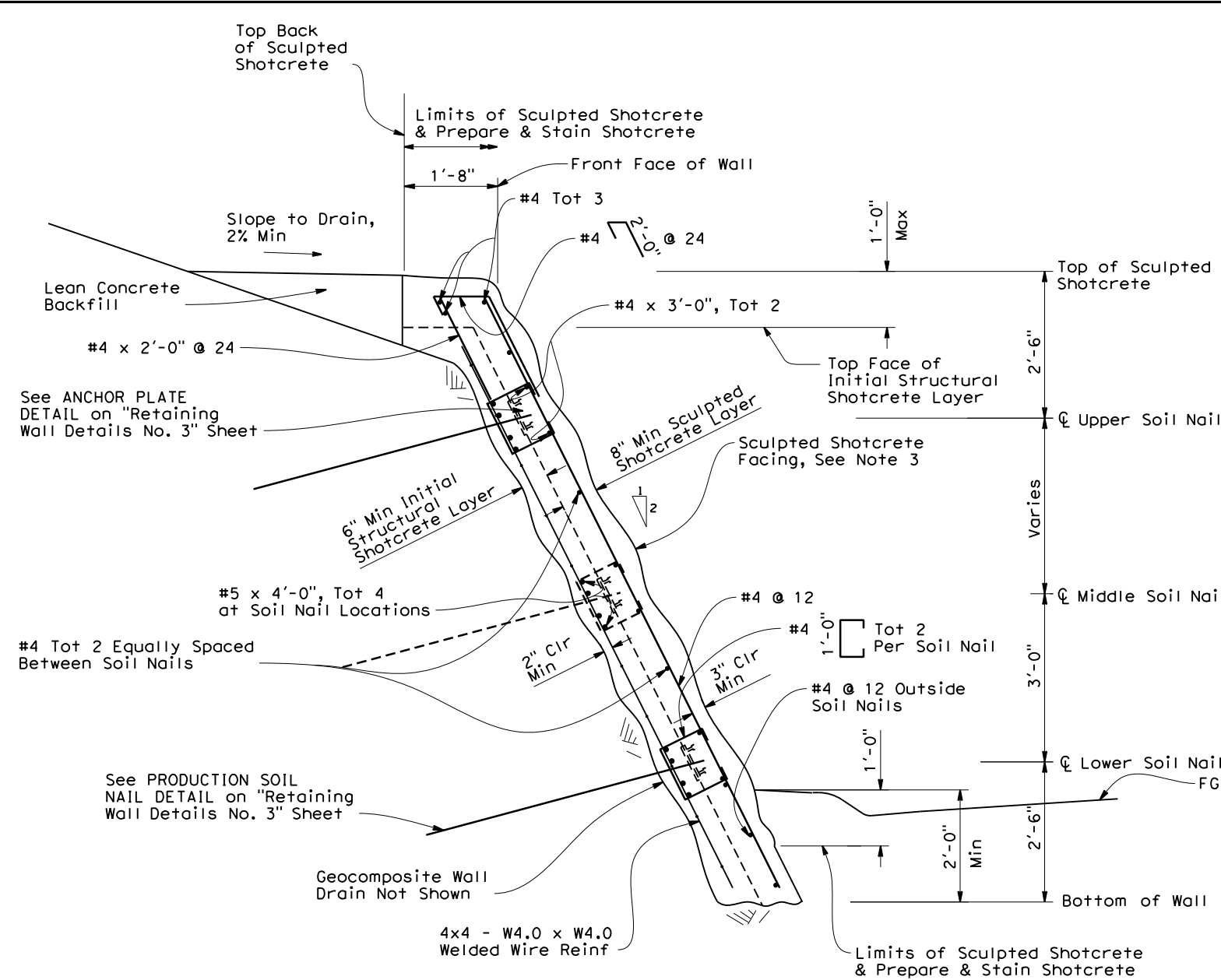
J. KHINDA / S. MCCAULEY

REVISOR

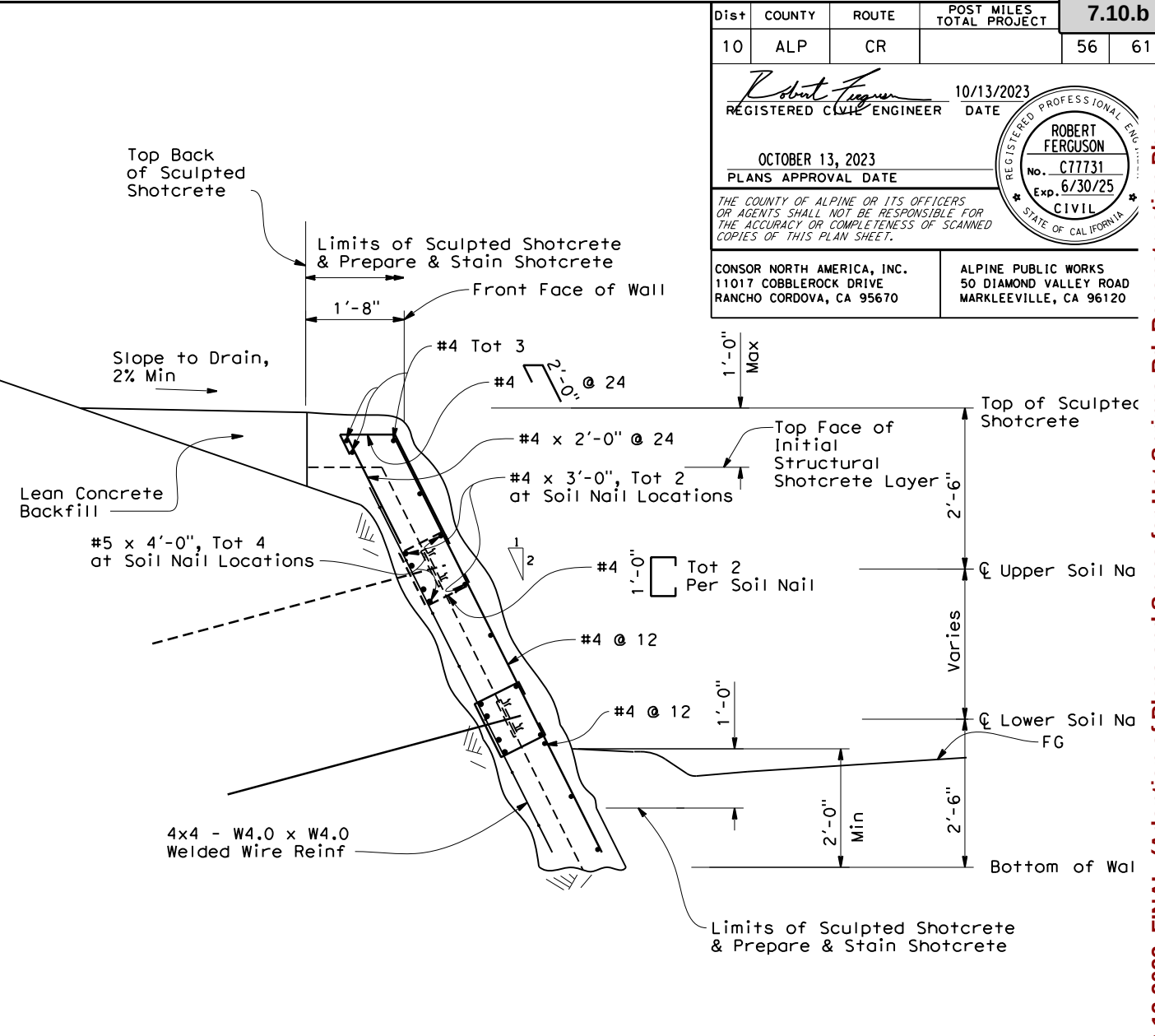
DATE

REVISOR

DATE



DOUBLE ANCHOR TYPICAL SECTION
3/4"=1'-0"



SINGLE ANCHOR TYPICAL SECTION
3/4"=1'-0"

QUANTITIES

Structure Excavation (Soil Nail Wall)	144 CY
Structure Backfill (Soil Nail Wall)	21 CY
Lean Concrete Backfill	1.0 CY
Soil Nail	1,283 EA
Bar Reinforcing Steel (Retaining Wall)	5,806 LBS
Sculpted Shotcrete	1,977 SQFT
Shotcrete	37 CY
Structural Shotcrete	28 CY
Prepare and Stain Shotcrete	1,977 SQFT

GENERAL NOTES
LOAD AND RESISTANCE FACTOR DESIGN

DESIGN: AASHTO LRFD Bridge Design Specifications, 8th edition and with Caltrans Amendments.

SEISMIC DESIGN: Caltrans Seismic Design Criteria (SDC), version 2.0.

LIVE LOADING: NA

SEISMIC LOADING: $k_a = 0.20$

CONCRETE: $f'_c = 3.6$ ksi

REINFORCING STEEL: $f_y = 60$ ksi

SOIL NAILS: Soil nails shall conform to ASTM A615 Grade 75, galvanized

Q_d = Design Pullout Resistance

Q_u = Nominal Pullout Resistance

$Q_d = Q_u$

	Units	Zone 1	Zone 2	Zone 3
Q_d	(plf)	3390	2260	2260

SOIL PARAMETERS for Wall Design:

	Units	Zone 1	Zone 2 & 3
ϕ	(degrees)	35	32
γ	(pcf)	130	125
c	(psf)	100	0

Notes:

- Soil nail horizontal spacing, see "Retaining Wall Details No. 4" sheet. End nails 2'-6" from begin and end of wall and expansion joints.
- Bonded Length for Zone 1 & 2 is $L_e = 15'-0"$ and Zone 3 is $L_e = 20'-0"$.
- All exposed concrete surfaces shall be painted.
- Provide 2" minimum clearance to studs.

RETAINING WALL DETAILS No. 1

SCALE: AS SHOWN

RW-2

Packet Pg. 181

Dist

COUNTY

ROUTE

POST MILES TOTAL PROJECT

7.10.b

10

ALP

CR

56

61

Robert Ferguson

REGISTERED CIVIL ENGINEER

DATE

10/13/2023

OCTOBER 13, 2023

PLANS APPROVAL DATE

THE COUNTY OF ALPINE OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CONSOR NORTH AMERICA, INC.

11017 COBBLEROCK DRIVE

RANCHO CORDOVA, CA 95670

ALPINE PUBLIC WORKS

50 DIAMOND VALLEY ROAD

MARKLEEVILLE, CA 96120

REGISTERED PROFESSIONAL ENGINEER

ROBERT FERGUSON

No. C17731

Exp. 6/30/25

CIVIL

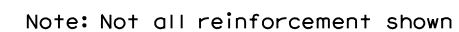
STATE OF CALIFORNIA

Attachment: 2023_Hot Springs Road_100% Plans_10-13-2023_FINAL (Adoption of Plans and Specs for Hot Springs Rd. Reconstruction Phase)

Y

RWLOL Retaining Wall Layout Line

CONSOR NORTH AMERICA, INC. 11017 COBBLEROCK DRIVE RANCHO CORDOVA, CA 95670	ALPINE PUBLIC WORKS 50 DIAMOND VALLEY ROAD MARKLEEVILLE, CA 96120
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**Packet Pg. 182**

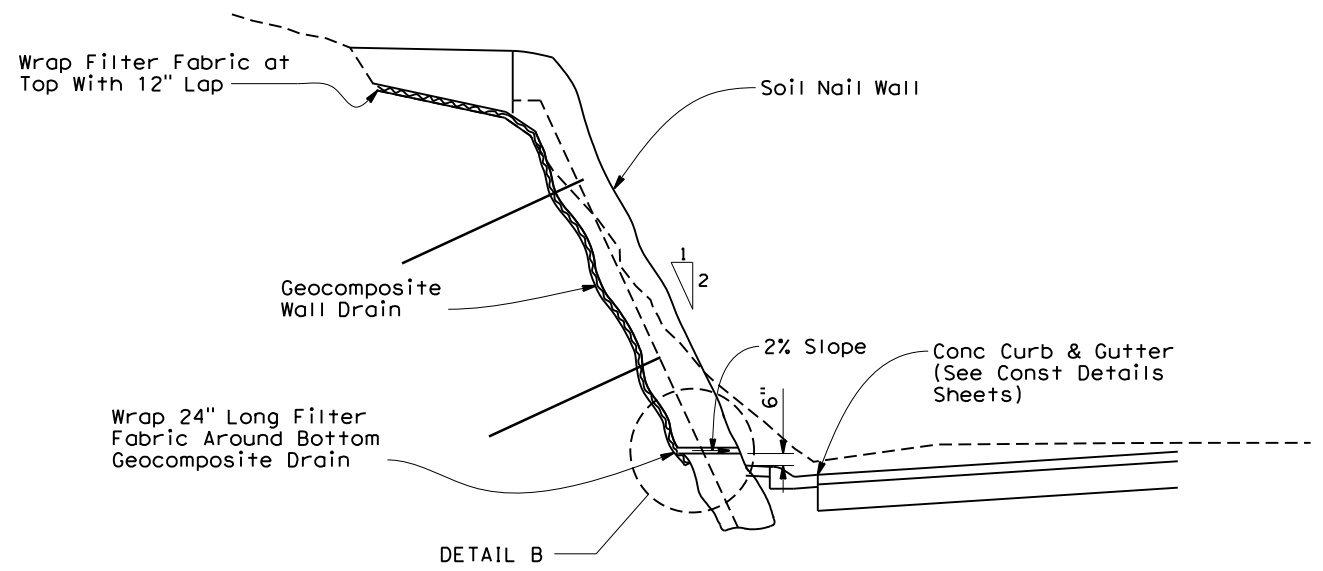
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TIME PLOTTED => 3:59:05 PM

ALPINE COUNTY PUBLIC WORKS		CONSULTANT PROJECT MANAGER		CALCULATED-DESIGNED BY		O. CLARK / R. FERGUSON		REVISED BY			
SAMUEL BOOTH		MICHAEL SANCHEZ, P.E.		CHECKED BY		J. KHINDA / S. MCCAULEY		DATE REVISED			
								</			

ALPINE COUNTY PUBLIC WORKS		CONSULTANT PROJECT MANAGER				
SAMUEL BOOTH		MICHAEL SANCHEZ, P.E.				
			CALCULATED- DESIGNED BY	O. CLARK / R. FERGUSON	REVISED BY	
			CHECKED BY	J. KHINDA / S. MCCAULEY	DATE REVISED	

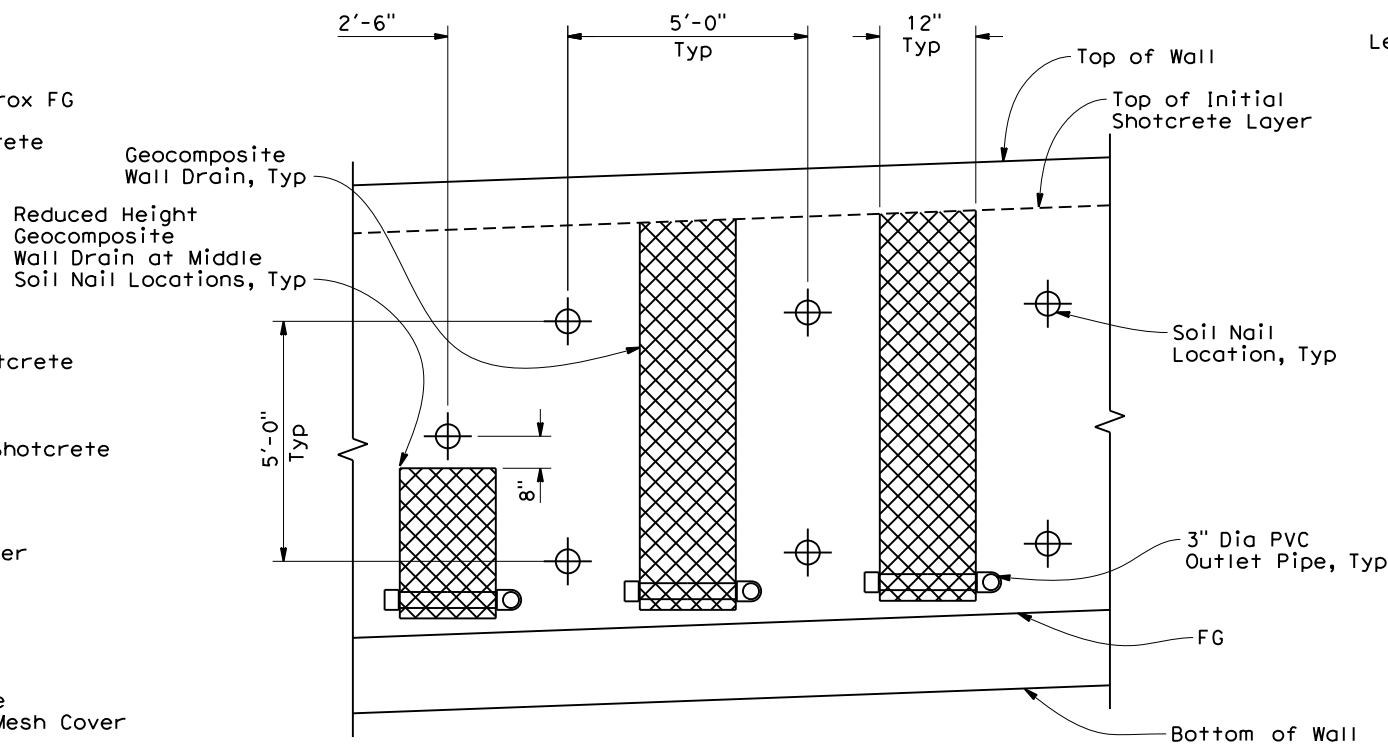
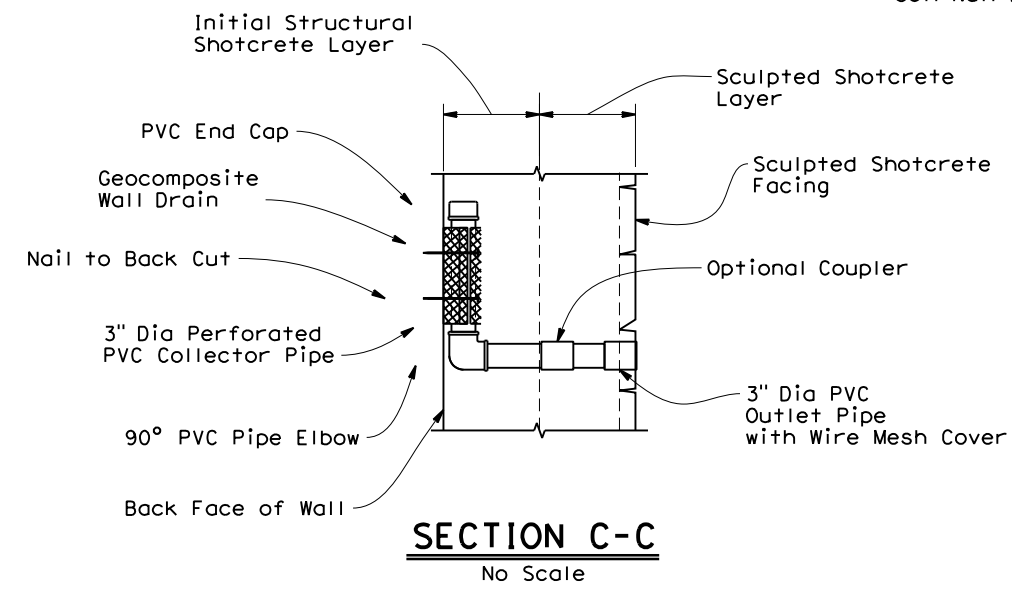
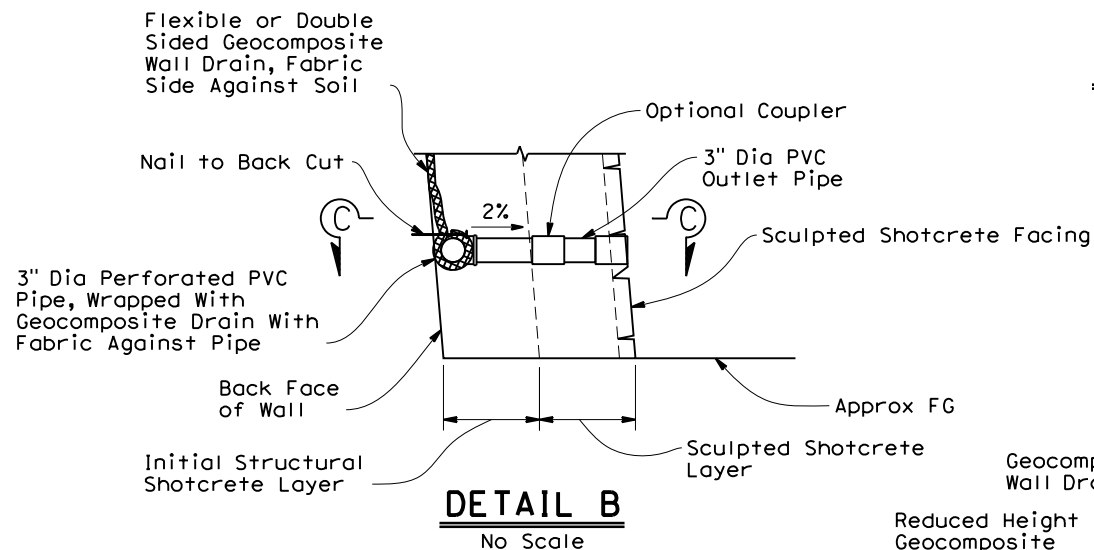
Notes:

1. Geocomposite drain strip per Section 88 Geosynthetics of the Standard Specifications

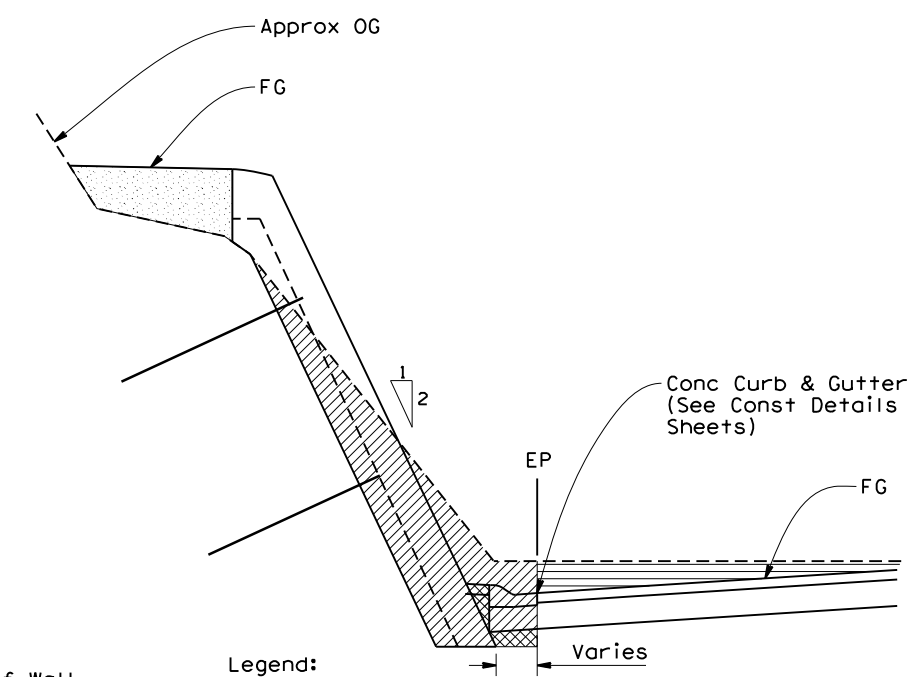


DRAINAGE DETAILS

No Scale



PART ELEVATION
No. Scale



Legend:

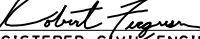
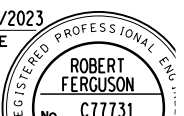
-  Structure Excavation (Soil Nail Wall)
-  Structure Backfill (Soil Nail Wall)
-  Roadway Excavation
-  Lean Concrete Backfill

EARTHWORK PAY LIMITS

RETAINING WALL DETAILS No. 4

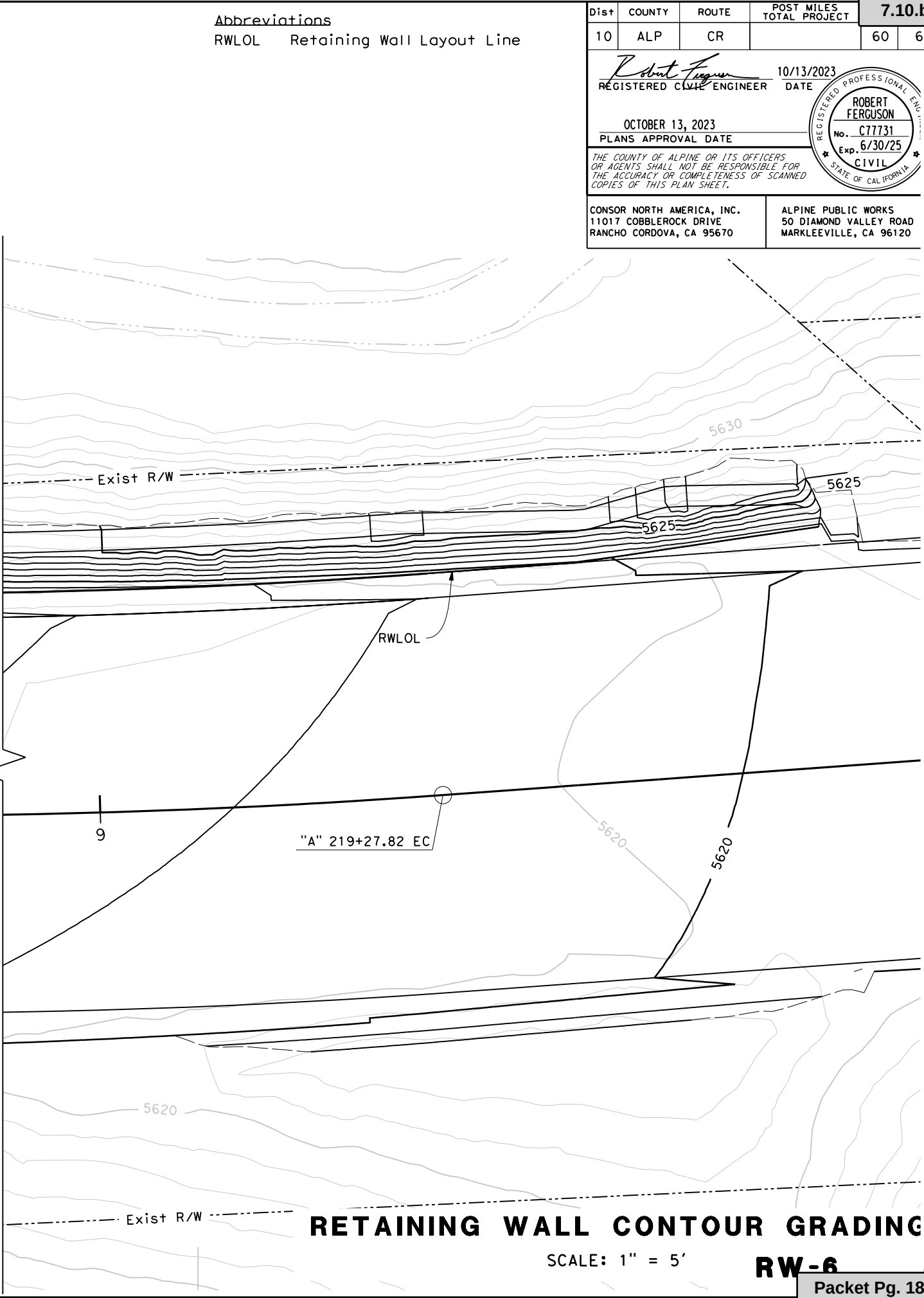
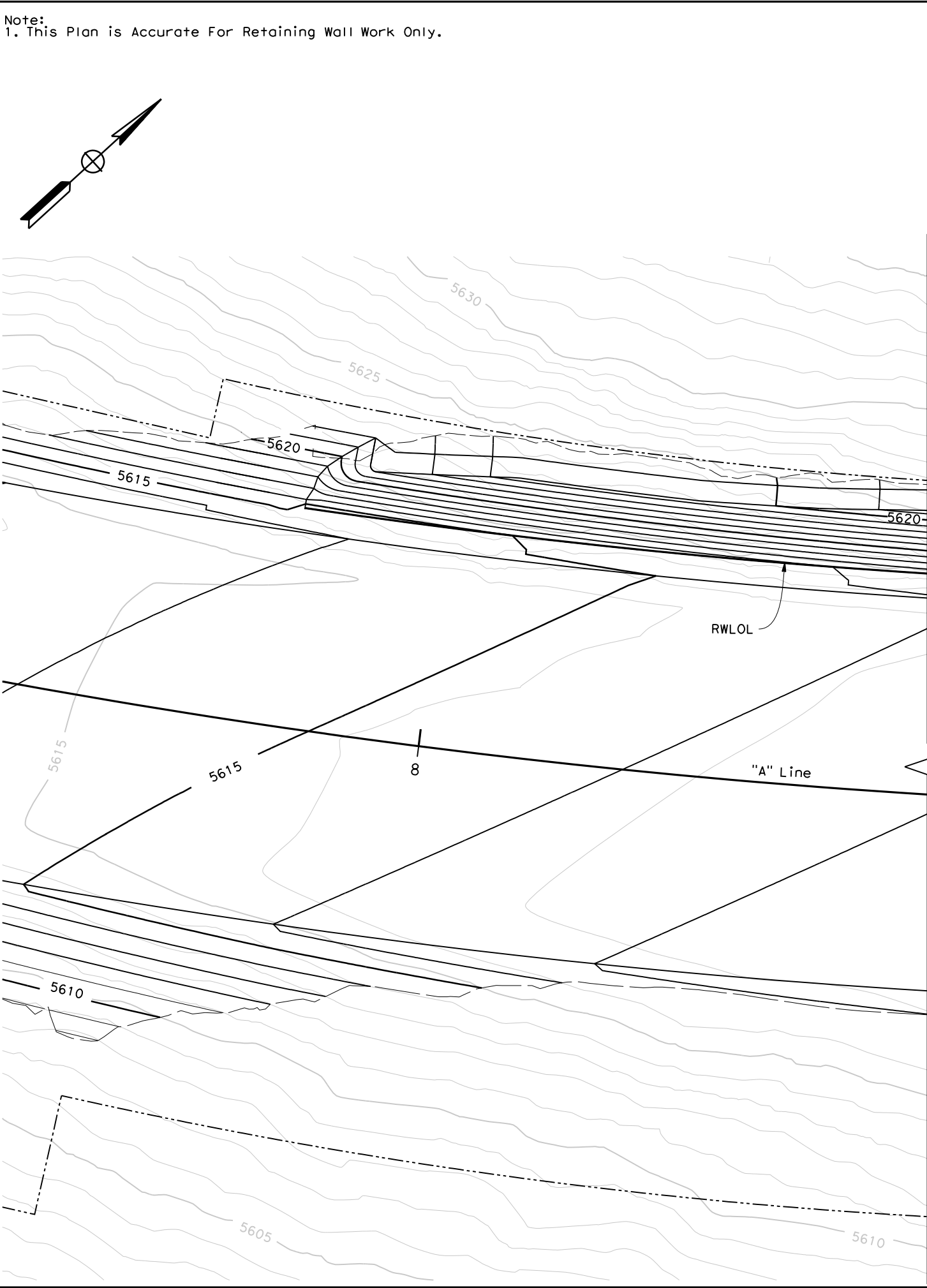
SCALE: SHOWN

RW-5
Packet Pg. 184

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	7.10.b	
10	ALP	CR		59	61
 REGISTERED CIVIL ENGINEER			10/13/2023		
OCTOBER 13, 2023					
PLANS APPROVAL DATE					
THE COUNTY OF ALPINE OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
CONSOR NORTH AMERICA, INC. 11017 COBBLE ROCK DRIVE RANCHO CORDOVA, CA 95670			ALPINE PUBLIC WORKS 50 DIAMOND VALLEY ROAD MARKLEEVILLE, CA 96120		

Attachment: 2023 Hot Springs Road_100% Plans_10-13-2023_FINAL (Adoption of Plans and Specs for Hot Springs Rd. Reconstruction Phase

ALPINE COUNTY PUBLIC WORKS		CONSULTANT PROJECT MANAGER		CALCULATED-DESIGNED BY		REVIS	
SAMUEL BOOTH		MICHAEL SANCHEZ, P.E.		CHECKED BY		O. CLARK / R. FERGUSON	
						J. KHINDA / S. MCCAULEY	
						REVISED BY	
						DATE REVISED	

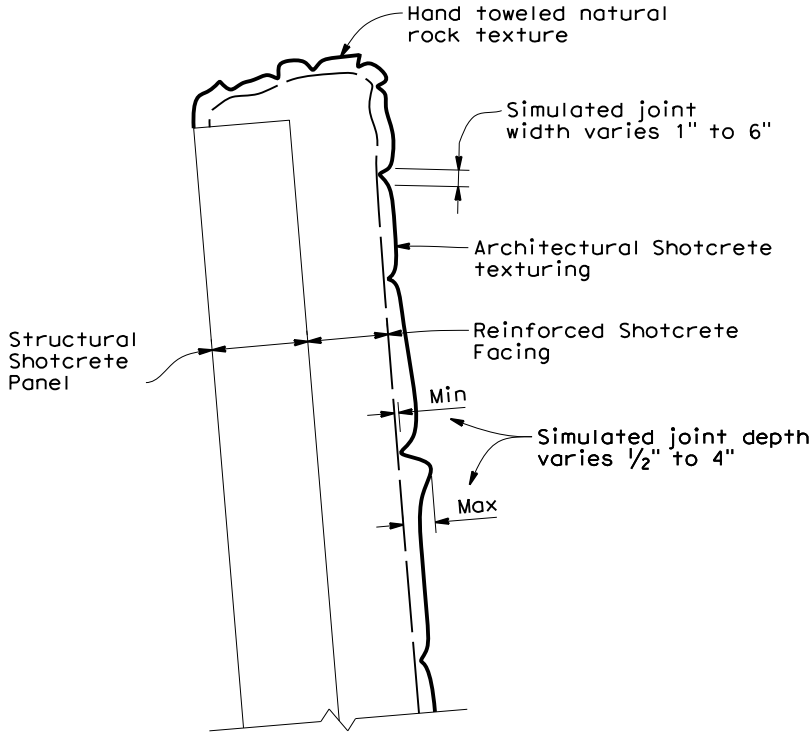


RETAINING WALL CONTOUR GRADING
SCALE: 1" = 5'
RW-6

Attachment: 2023 Hot Springs Road_100% Plans_10-13-2023_FINAL (Adoption of Plans and Specs for Hot Springs Rd. Reconstruction Phase

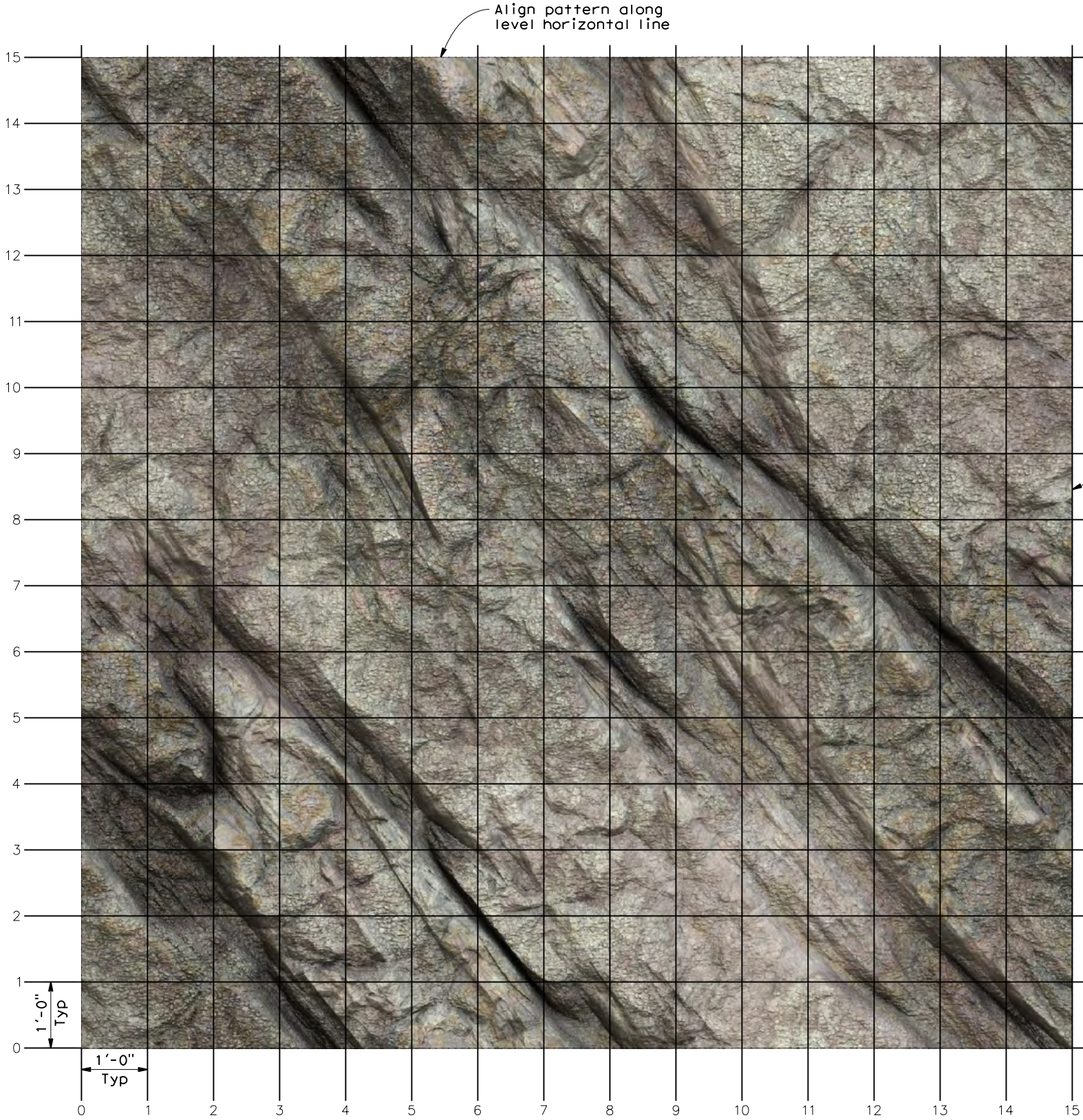
DATE PLOTTED => 10/12/2023
TIME PLOTTED => 3:59:08 PM

ALPINE COUNTY PUBLIC WORKS		CONSULTANT PROJECT MANAGER		CALCULATED-DESIGNED BY		O. CLARK / R. FERGUSON		REVISED BY							
SAMUEL BOOTH		MICHAEL SANCHEZ, P.E.		CHECKED BY		J. KHINDA / S. MCCAULEY		DATE		REVISED					



TYPICAL SECTION
1"=1'-0"

Note:
1. Matching architectural treatment texture and colors to be applied to hillside face of wall, top of wall and corners of wall.



TEXTURE & COLOR KEY
1"=1'-0"

ARCHITECTURAL TREATMENT

SCALE: 1" = 5'

RW-7

Packet Pg. 186

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	7.10.b	
10	ALP	CR		61	61

REGISTERED CIVIL ENGINEER

10/13/2023
DATE

OCTOBER 13, 2023
PLANS APPROVAL DATE

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CONSOR NORTH AMERICA, INC.
11017 COBBLEROCK DRIVE
RANCHO CORDOVA, CA 95670

ALPINE PUBLIC WORKS
50 DIAMOND VALLEY ROAD
MARKLEEVILLE, CA 96120

REGISTERED PROFESSIONAL ENGINEER
ROBERT FERGUSON
No. C77731
Exp. 6/30/25
CIVIL
STATE OF CALIFORNIA