

Attachment F

SHEET NUMBER	TOTAL SHEETS
1	13

COUNTY OF MONTEREY

PROJECT PLANS FOR THE CONSTRUCTION OF THE EMERGENCY STORM DAMAGE REPAIR ON ARROYO SECO ROAD (MP 4.2)

GENERAL NOTES:

1. THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS".
2. TO BE SUPPLEMENTED BY PROJECT SPECIFIC SPECIAL PROVISIONS, CALTRANS STANDARD SPECIFICATIONS AND STANDARD PLANS DATED 2022, INCLUDING ISSUED ADDENDA.
3. CONTRACTOR SHALL NOTIFY THE COUNTY OF MONTEREY OF ANY AND ALL CONFLICTS BETWEEN THIS SET OF CONSTRUCTION DRAWINGS AND THE ACTUAL SITE CONDITIONS PRIOR TO COMMENCING WORK. CONTACT ENGINEER AT (831) 755-8970.
4. CONTRACTOR SHALL NOTIFY THE COUNTY OF MONTEREY (ENGINEER) AT LEAST 8 DAYS PRIOR TO COMMENCING WORK SO THAT THE COUNTY MAY PRESERVE MONUMENTS AND BENCHMARKS, WHICH SHALL NOT BE DISTURBED WITHOUT THE COUNTY'S CONSENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING DESTROYED BENCHMARKS.
5. CONTRACTOR SHALL EXPOSE ALL EXISTING UNDERGROUND PIPELINES OR OTHER UNDERGROUND OBSTRUCTIONS TO VERIFY THAT THERE ARE NO GRADE CONFLICTS PRIOR TO LAYING ANY GRAVITY PIPELINES OR INSTALLING ANCHORS.
6. WHERE UNDERGROUND AND SURFACE STRUCTURES ARE SHOWN ON THIS SET OF DRAWINGS, THE LOCATIONS, DEPTH, AND DIMENSIONS OF STRUCTURES ARE BELIEVED TO BE REASONABLY CORRECT, BUT ARE NOT GUARANTEED. THE INFORMATION SO GIVEN IS NOT TO BE CONSTRUED AS A REPRESENTATION THAT SUCH STRUCTURES WILL, IN ALL CASES, BE FOUND WHERE SHOWN, OR THAT THEY ARE REPRESENT ALL THE STRUCTURES WHICH MAY BE ENCOUNTERED.
7. CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

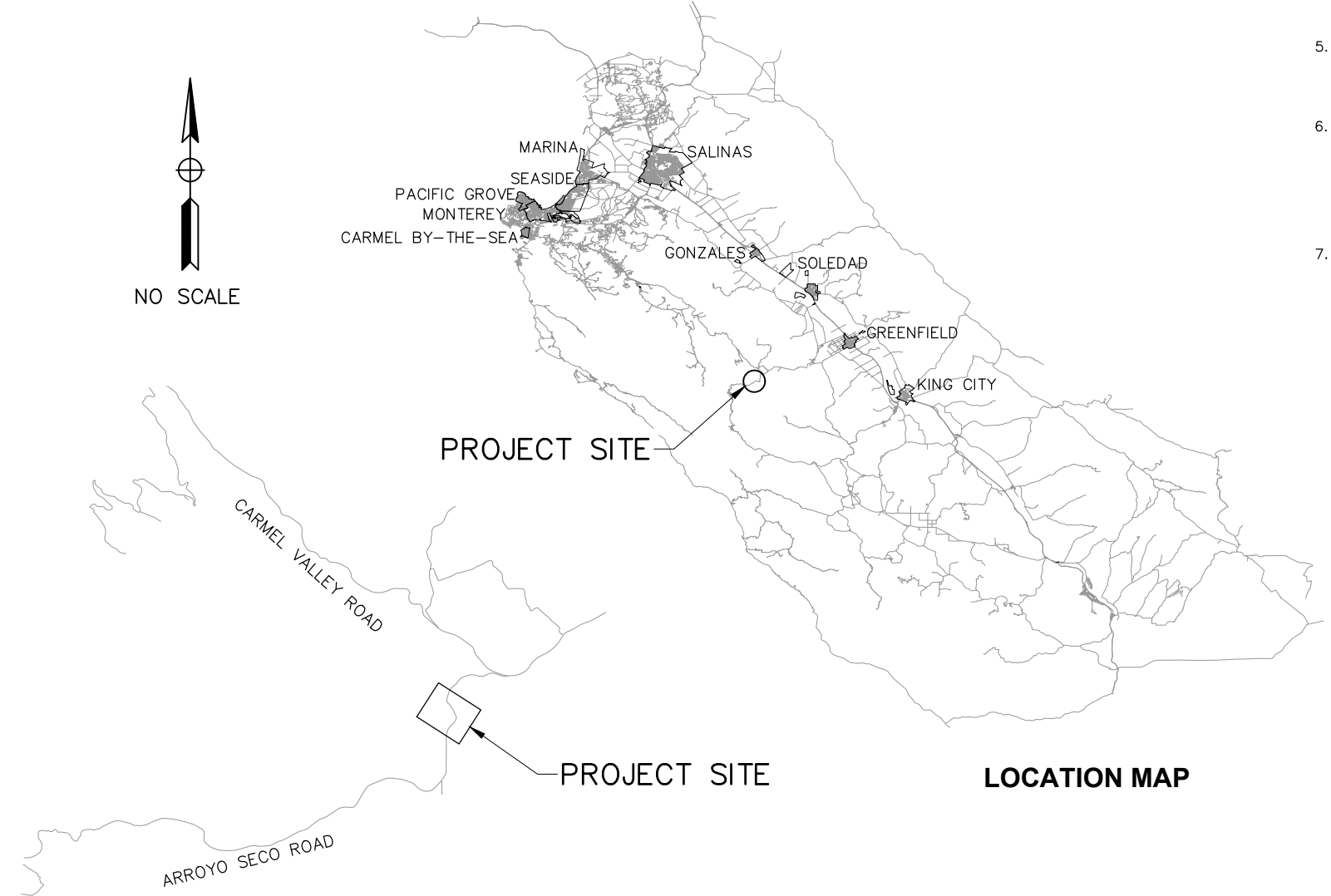
SHEET INDEX:

ROADWAY:

	SHEET No.	TITLE
T-1	1	TITLE SHEET
X-1	2	TYPICAL CROSS SECTIONS
L-1	3	LAYOUT
PS-1	4	PROFILE & SUPERELEVATION
PD-1	5	PAVEMENT DELINEATION AND SIGN PLAN
CS-1	6	CONSTRUCTION AREA SIGNS
SC-1 - SC-2	7-8	STAGE CONSTRUCTION
Q-1	9	SUMMARY OF QUANTITIES

STRUCTURES:

	SHEET No.	TITLE
S-1	10	GENERAL PLAN
S-2	11	STITCH PILE DETAILS 1
S-3	12	STITCH PILE DETAILS 2
S-4	13	STITCH PILE DETAILS 3



VICINITY MAP



Know what's below.
Call before you dig.

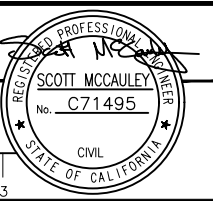
CONTRACTOR SHALL VERIFY ACTUAL DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION...CALL "UNDERGROUND SERVICE ALERT" (U.S.A), (TOLL FREE 811) PRIOR TO TRENCHING, GRADING, EXCAVATION, DRILLING, PIPE PUSHING, PLANTING TREES, DIGGING POST HOLES FOR FENCE, ETC.(U.S.A) WILL SUPPLY INFORMATION OR LOCATE AND MARK ANY UNDERGROUND FACILITIES.

Drawing name: S:\Client\Monterey\21-9302\21-9302-02-arroyo-seco-road (mp 4.2)\500-design\505 - cold files\21-9302-02_rab_001.dwg Layout Tab: T-1 Aug 24,2023 - 2:52pm Mason Dombach

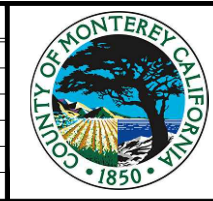
Submitted by: Robert Ferguson Project Engineer C.E. No. C77731	
DESIGN BY: HGA/TLT	CHKD BY: AZ/CD/AH
DRAWN BY: HGA/TLT	CHKD BY: AZ/CD/AH
SPECIFICATIONS WRITTEN BY: JW/AMH	CHKD BY: MK
Approval Recommended by: Chief of Public Works and Facilities	

11017 COBBLEROCK DRIVE, SUITE 100
RANCHO CORDOVA, CA 95670
P: 916.368.9181

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS



NO.	DATE	REVISION DESCRIPTION	APPROVED
1	8/16/23	SPECIAL PROVISION CHANGES, NO PLAN CHANGES	
2	8/23/23	VARIOUS CLOUDED PLAN CHANGES	



COUNTY OF MONTEREY
PUBLIC WORKS,
FACILITIES AND PARKS
PUBLIC WORKS
1441 SCHILLING PLACE, 2nd FLOOR
SALINAS, CALIFORNIA 93901
(831)755-4800/FAX (831)755-4958

ARROYO SECO ROAD MP 4.2 EMERGENCY SLIP-OUT REPAIRS			
TITLE SHEET			
DATE 8/24/23	FILE 21-9302.02_RAB_001.DWG	PROJECT NO. 21-9302	SHEET 1
SCALE CONTRACT NO.	CONTRACT		OF 13 SHEETS

T-1

SHEET NUMBER	TOTAL SHEETS
2	13

NOTES:

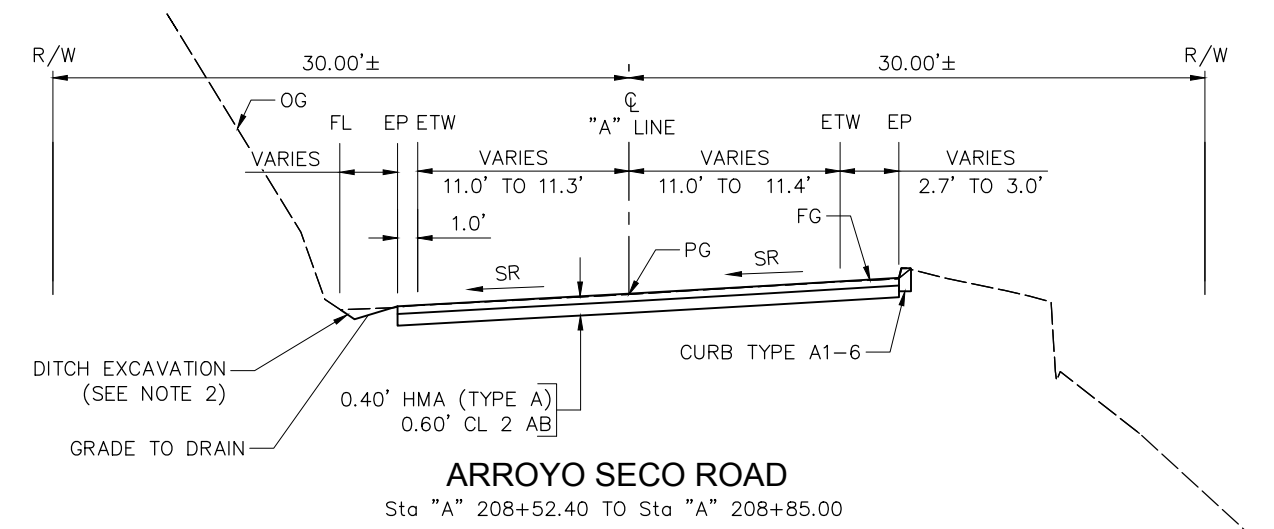
- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
- EXCAVATE LOOSE ROCKS AND DEBRIS IN DITCH TO ORIGINAL TOE OF SLOPE.

DESIGN DESIGNATION: ARROYO SECO MINOR COLLECTOR

2020 ADT = 540
V = 35 MPH
TI = 6
R = 30

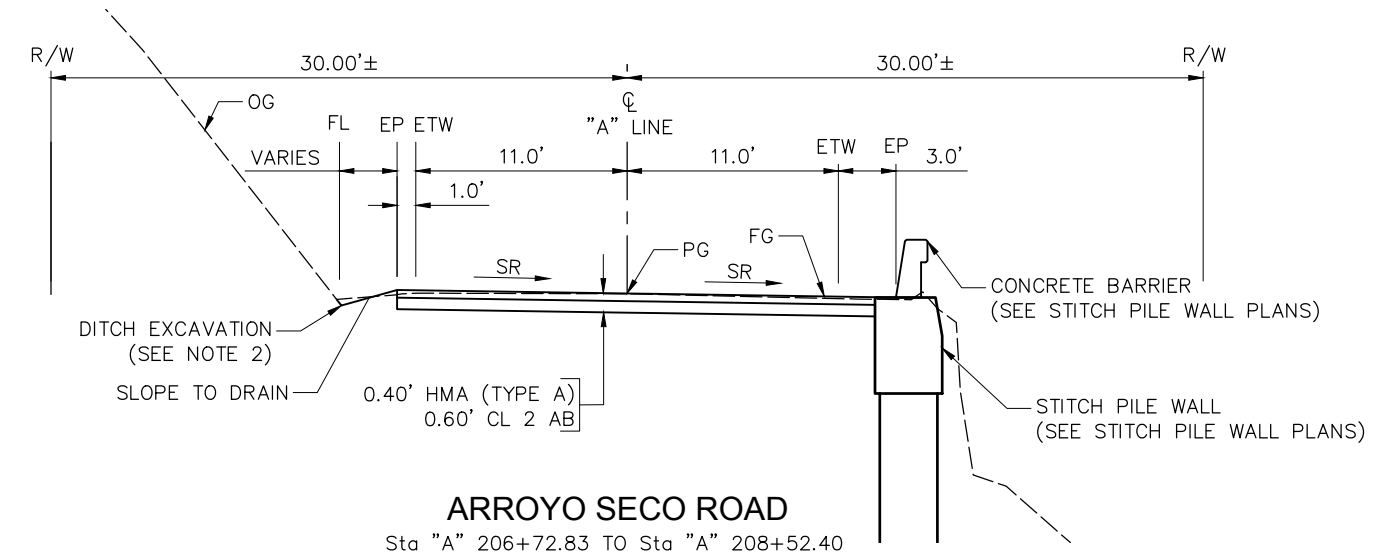
LEGEND:

SR SUPERELEVATION RATE



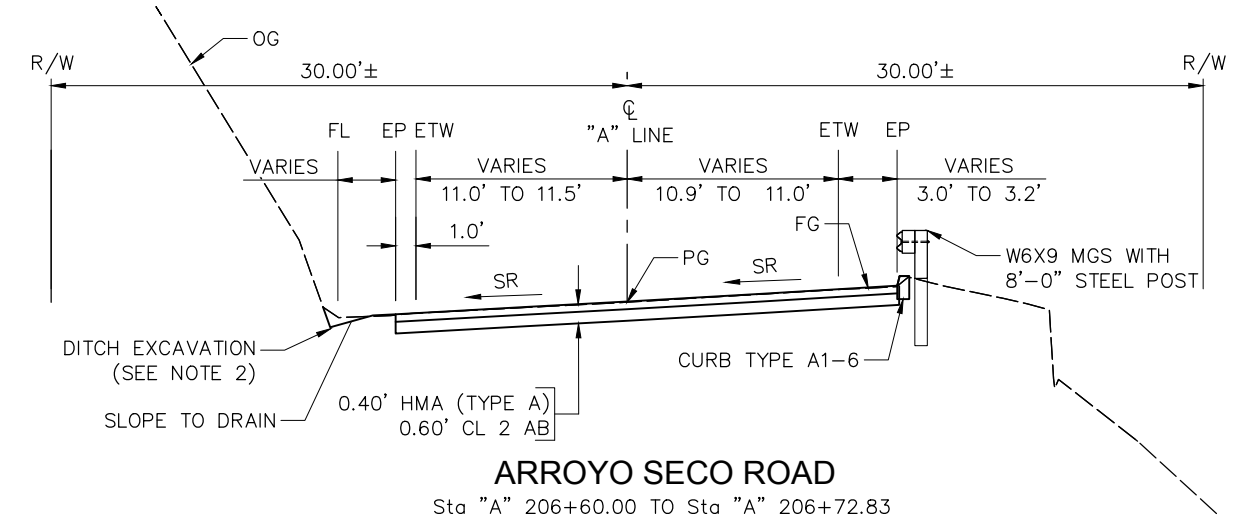
ARROYO SECO ROAD

Sta "A" 208+52.40 TO Sta "A" 208+85.00



ARROYO SECO ROAD

Sta "A" 206+72.83 TO Sta "A" 208+52.40

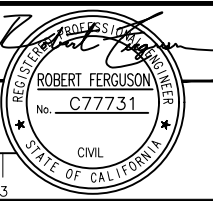


ARROYO SECO ROAD

Sta "A" 206+60.00 TO Sta "A" 206+72.83

Drawing name: S:\Client\Monterey\21-9302\21-9302-02_rca_001.dwg Layout Tab: X-1 Aug 24, 2023 1:37pm Herman.Gutierrez

Submitted by: Robert Ferguson Project Engineer C.E. No. C77731	
DESIGN BY: H. GUTIERREZ	CHKD BY: AZ/CD
DRAWN BY: H. GUTIERREZ	CHKD BY: AZ/CD
SPECIFICATIONS WRITTEN BY: JW/AMH	CHKD BY: MK
Approval Recommended by: _____ Chief of Public Works and Facilities	



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COUNTY OF MONTEREY PUBLIC WORKS, FACILITIES AND PARKS
PUBLIC WORKS
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ARROYO SECO ROAD MP 4.2 EMERGENCY SLIP-OUT REPAIRS			
TYPICAL CROSS SECTIONS			
DATE 8/24/23	FILE 21-9302.02_RCA_001.DWG	PROJECT NO. 21-9302	SHEET 2
SCALE SCALE	CONTRACT NO. CONTRACT	OF 13 SHEETS	

X-1



NOTES:

- FOR COMPLETE RIGHT OF WAY DATA, SEE RIGHT OF WAY RECORDS AT THE COUNTY OFFICE.
- FOR GUARDRAIL SYSTEM LAYOUT, REFER TO CALTRANS STANDARD PLAN A77Q1, 150' LENGTH OF NEED AND NOTED 5 AND 7 DO NOT APPLY.

2

CURVE DATA				
NO.	R	Δ	T	L
C1	375.00'	21° 01' 22"	69.58'	137.59'
C2	500.00'	6° 10' 05"	26.94'	53.83'
C3	420.00'	15° 59' 01"	58.97'	117.17'

LEGEND:

-  NEW STRUCTURAL SECTION
0.40' HMA (TYPE A)
0.60' CL 2 AB
-  SURVEY CONTROL POINT

SURVEY CONTROL

No.	NORTHING	EASTING	ELEVATION	LINE	STATION	OFFSET	Rt/Lt	DESCRIPTION
CP-2	1984051.80	5844885.00	676.72	"ARROYO SECO ROAD 4.2"	208+78.89	11.93'	Rt	SET MAG
CP-3*	1984157.41	5844829.67	666.54	"ARROYO SECO ROAD 4.2"	209+95.75	12.07'	Rt	SET MAG
CP-7	1983808.78	5844969.74	697.08	"ARROYO SECO ROAD 4.2"	206+21.62	12.27'	Rt	SET MAG

DATUM :

HORIZONTAL - CALIFORNIA COORDINATE SYSTEM ZONE 4 NAD 83 (EPOCH 2010.00).

VERTICAL - NAVD 88 BASED ON NGS PUBLISHED BENCHMARK VALUES AND GEOID99 MODEL HEIGHTS.

BENCHMARK DESCRIPTION:

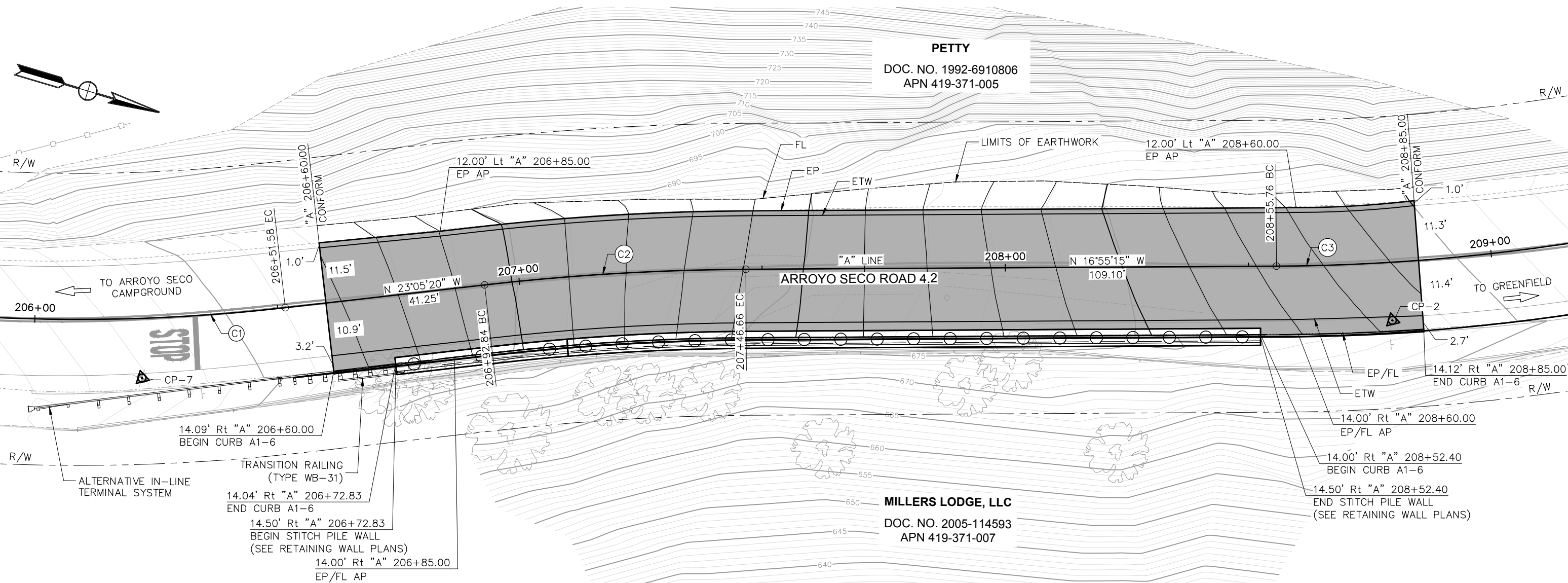
P.I.D. GU4335

BASIS OF BEARINGS:

THE BEARINGS SHOWN HEREON ARE BASED ON CALIFORNIA COORDINATE SYSTEM ZONE 4 AS DETERMINED BY TIES USING FOUND NGS P.I.D. BENCHMARKS GU4335 AND GU4262 TAKEN AS S36°36'17"E.

*NOT ALL CONTROL POINTS SHOWN.


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3	13



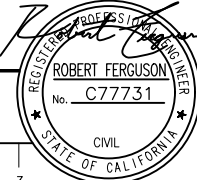
PLAN
Scale: 1"=20'

L-1

Submitted by: Robert Ferguson Project Engineer C.E. No. C77731	
DESIGN BY: H. GUTIERREZ	CHKD BY: AZ/CD
DRAWN BY: H. GUTIERREZ	CHKD BY: AZ/CD
SPECIFICATIONS WRITTEN BY: JW/AMH	CHKD BY: MK
Approval Recommended by: _____ Chief of Public Works and Facilities	



11017 COBBLEROCK DRIVE, SUITE 100
RANCHO CORDOVA, CA 95670
P: 916.368.9181

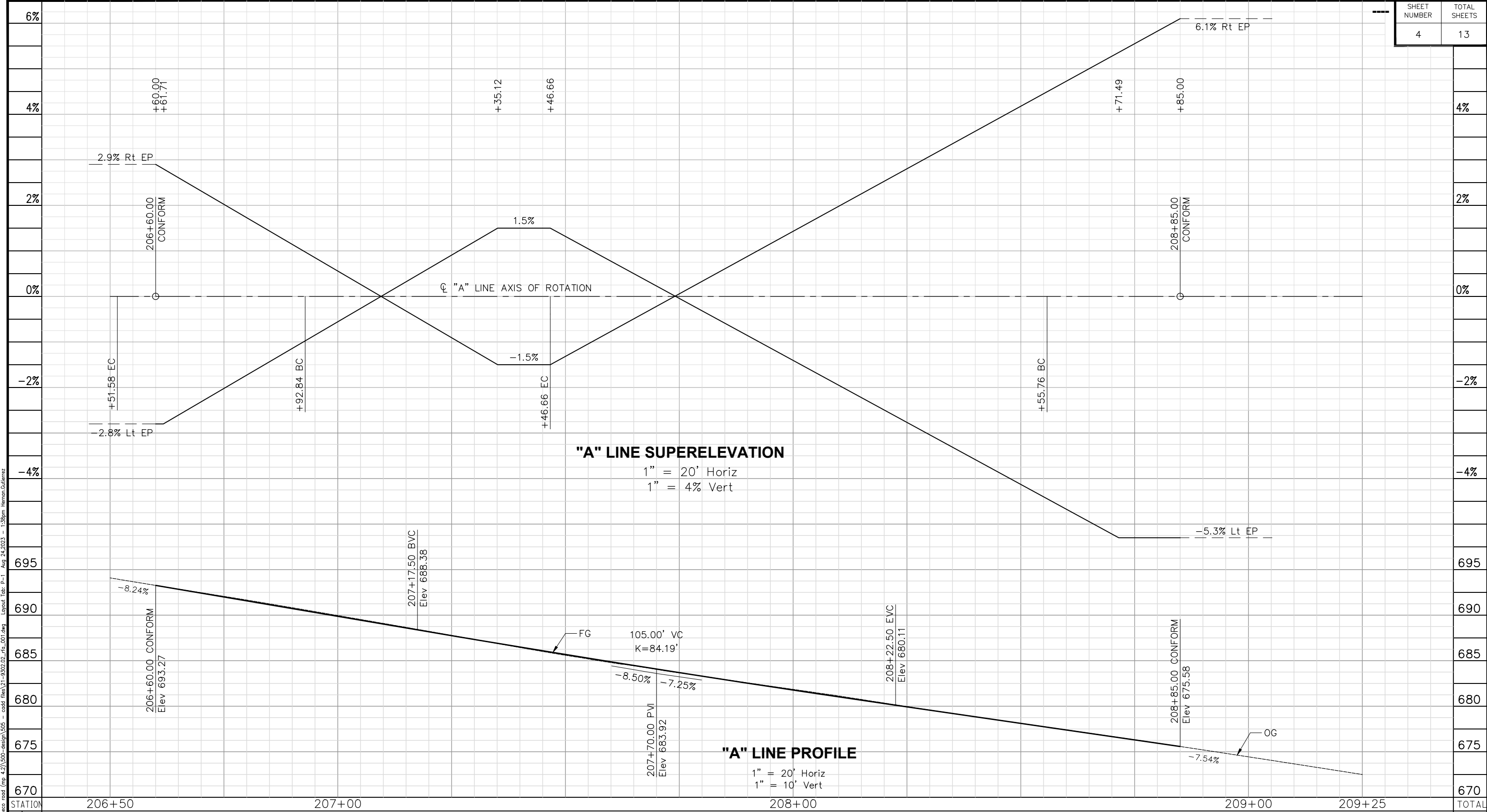


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ARROYO SECO ROAD MP 4.2 EMERGENCY SLIP-OUT REPAIRS			
LAYOUT			
DATE 8/24/23	FILE 21-9302.02_REA_001.DWG	PROJECT NO. 21-9302	SHEET 3
SCALE 1"=20'		CONTRACT NO.	OF 13 SHEETS
CONTRACT			



STATION	206+50	207+00	208+00	209+00	209+25	TOTAL
Exc						
Emb						

Submitted by: Robert Ferguson
 Project Engineer C.E. No. C77731

DESIGN BY: H. GUTIERREZ CHKD BY: AZ/CD
 DRAWN BY: H. GUTIERREZ CHKD BY: AZ/CD
 SPECIFICATIONS WRITTEN BY: JW/AMH CHKD BY: MK

Approval Recommended by: _____
 Chief of Public Works and Facilities

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 (831)755-4800/FAX (831)755-4958

ARROYO SECO ROAD MP 4.2 EMERGENCY SLIP-OUT REPAIRS

PROFILE & SUPERELEVATION

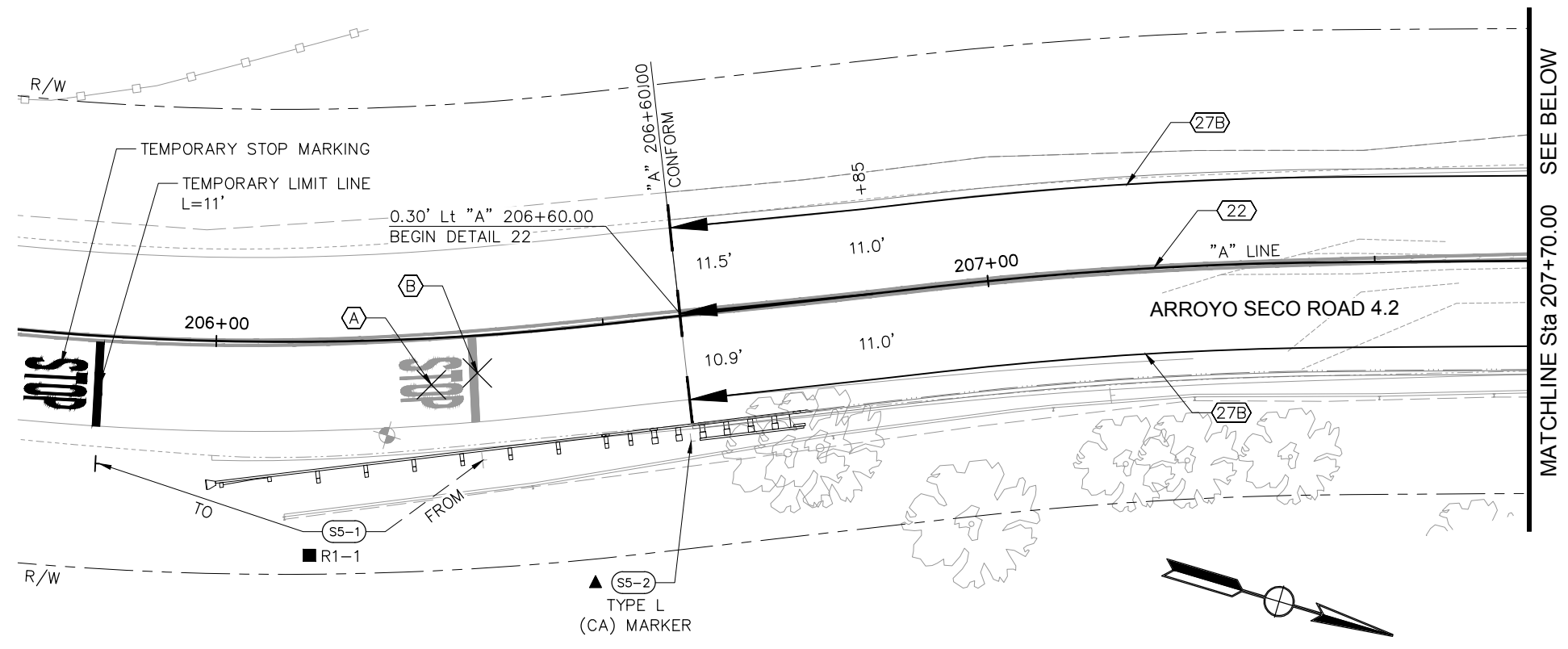
DATE	FILE	PROJECT NO.	SHEET
8/24/23	21-9302.02_RFA_001.DWG	21-9302	4
SCALE AS SHOWN	CONTRACT NO.	CONTRACT	

OF 13 SHEETS

Drawing name: S:\Client\Monterey\219302\2023\arroyo_seco_road (mp 4.2)\505-design\505 - cold files\21-9302.02_rfa_001.dwg Layout Tab: P-1 Aug 24, 2023 - 1:38pm Herman.Gutierrez

NOTES:

1. THIS PLAN IS ACCURATE FOR PAVEMENT DELINEATION AND SIGN WORK ONLY.
2. STRIPING TO CONFORM TO EXISTING STRIPING.

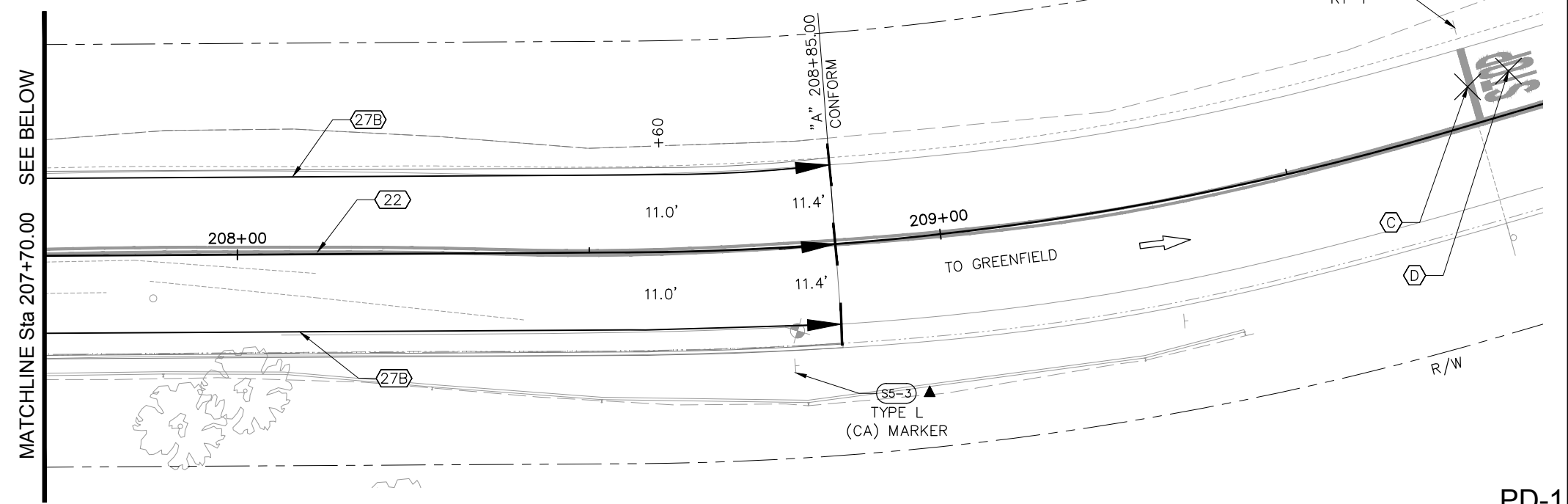


REMOVE PAVEMENT MARKING (PAINT)			
#	ITEM	AREA (SQFT)	LENGTH (LF)
A	STOP	22	-
B	LIMIT LINE	-	11
*C	STOP	22	-
*D	LIMIT LINE	-	11

*TO BE REMOVED AFTER CONSTRUCTION

LEGEND:

- (CA) CALIFORNIA SIGN CODE
- ▲ EXISTING SIGN TO REMAIN
- REMOVE ROADSIDE SIGN
- RELOCATE ROADSIDE SIGN
- † EXISTING ROADSIDE SIGN
- ROADSIDE SIGN (SHEET NUMBER - SIGN NUMBER)
- RX-X REMOVE THERMOPLASTIC PAVEMENT MARKING
- ⊗ PAVEMENT DELINEATION DETAIL NUMBER
- ⊗ PAVEMENT REMOVAL NUMBER
- ▶ BEGIN, END OR CHANGE IN STRIPING DETAIL



PD-1

Submitted by: Robert Ferguson
Project Engineer C.E. No. C77731

DESIGN BY: H. GUTIERREZ CHKD BY: AZ/CD

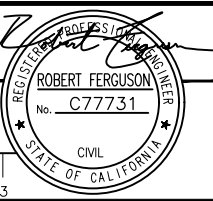
DRAWN BY: H.GUTIERREZ CHKD BY: AZ/CD

SPECIFICATIONS WRITTEN BY: JW/AMH CHKD BY: MK

Approval Recommended by: _____
Chief of Public Works and Facilities

11017 COBBLEROCK DRIVE, SUITE 100
RANCHO CORDOVA, CA 95670
P: 916.368.9181

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS



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PUBLIC WORKS

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

ARROYO SECO ROAD MP 4.2 EMERGENCY SLIP-OUT REPAIRS

PAVEMENT DELINEATIONS AND SIGN PLAN

DATE 8/24/23	FILE 21-9302.02_RNA_001.DWG	PROJECT NO. 21-9302	SHEET 5
SCALE 1"=20'		CONTRACT NO.	OF 13 SHEETS

CONTRACT

Drawing name: S:\Client\Monterey\21-9302\02_rna_001.dwg - cad files\21-9302_02_rna_001.dwg Layout Tab: PD-1 Aug 24, 2023 - 1:35pm Hermon Gutierrez

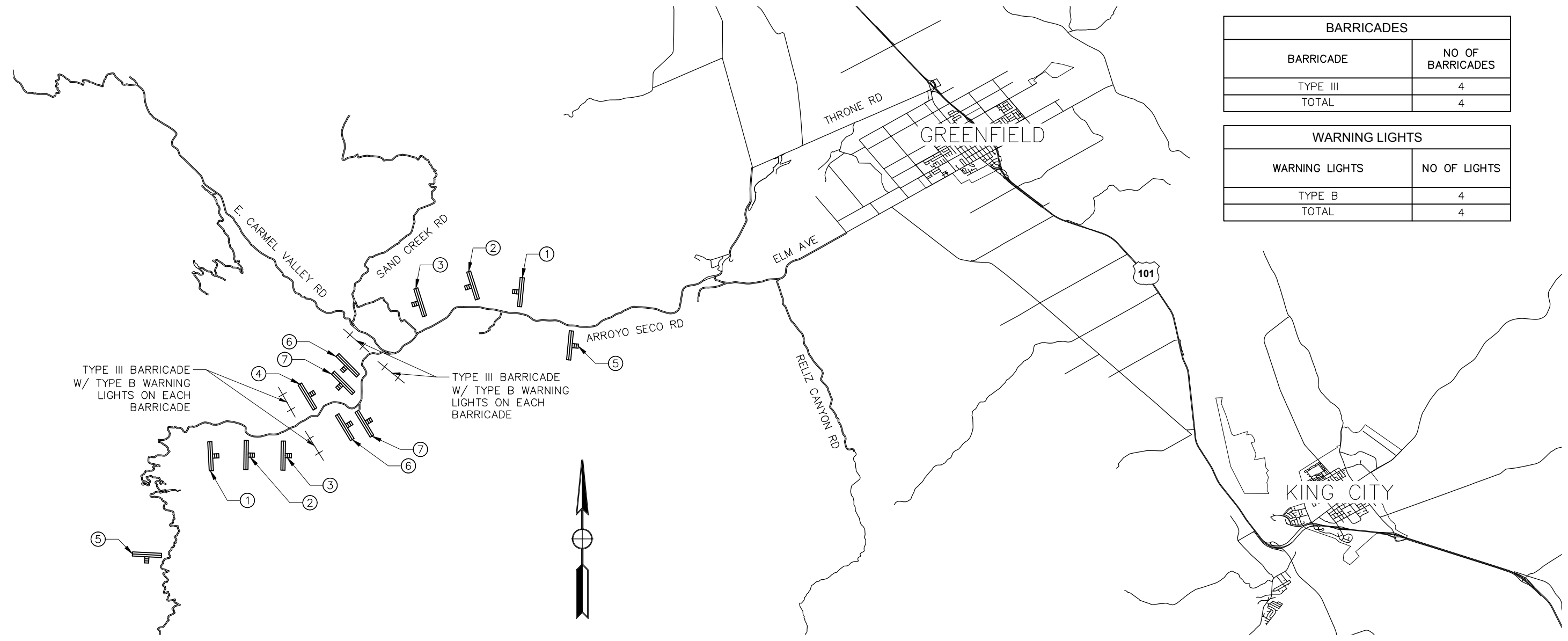
- LEGEND:**
-  STATIONARY MOUNTED CAS – ONE POST
 -  CONSTRUCTION AREA SIGN (CAS) NUMBER
 -  TYPE III BARRICADE

- NOTES:**
1. THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGNS ONLY.
 2. SIGN LOCATIONS SHOWN ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER.
 3. ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.

CONSTRUCTION AREA SIGNS						
SIGN NO.	SIGN CODE	SIGN MESSAGE	PANEL SIZE	NO. AND SIZE OF POST		NO OF SIGNS
1	W20-1	"ROAD WORK AHEAD"	36" x 36"	1	4x4	2
2	W20-4	"ONE LANE ROAD AHEAD"	36" x 36"	1	4x4	2
3	W3-4	"BE PREPARED TO STOP"				2
4	W1-4		36" x 36"	1	4x4	1
5	G20-2	"END ROAD WORK"	36" x 18"	1	4X4	2
6	W3-1	"STOP AHEAD"	30" X 30"	1	4X4	2
7	R1-1	"STOP"	30" X 30"	1	4x4	2
TOTAL						13

BARRICADES	
BARRICADE	NO OF BARRICADES
TYPE III	4
TOTAL	4

WARNING LIGHTS	
WARNING LIGHTS	NO OF LIGHTS
TYPE B	4
TOTAL	4




Drawing name: S:\Client\Monterey\21-9302\02-arroyo-seco-road (mp 4.2)\600-design\605 - cold files\21-9302_02_rla_001.dwg Layout Tab: CS-1 Aug 24, 2023 1:38pm Herman.Gutierrez

CS-1

Submitted by: Robert Ferguson
Project Engineer C.E. No. C77731


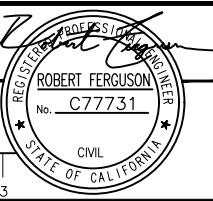
DESIGN BY: H. GUTIERREZ CHKD BY: AZ/CD
DRAWN BY: H. GUTIERREZ CHKD BY: AZ/CD
SPECIFICATIONS WRITTEN BY: JW/AMH CHKD BY: MK

Approval Recommended by: _____
Chief of Public Works and Facilities



11017 COBBLEROCK DRIVE, SUITE 100
RANCHO CORDOVA, CA 95670
P: 916.368.9181

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

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COUNTY OF MONTEREY
PUBLIC WORKS,
FACILITIES AND PARKS
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ARROYO SECO ROAD MP 4.2 EMERGENCY SLIP-OUT REPAIRS





CONSTRUCTION AREA SIGNS

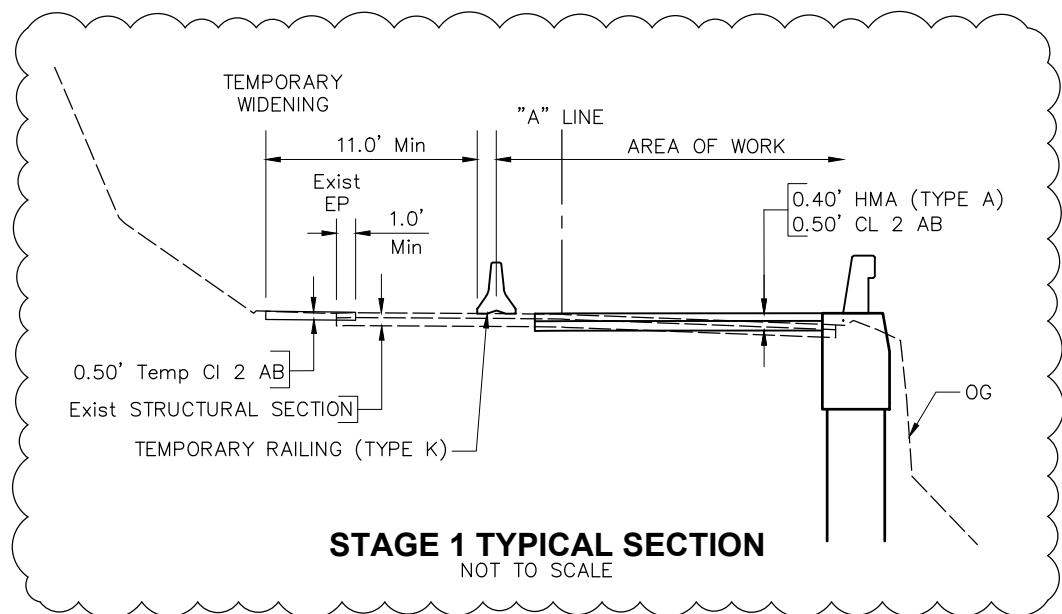
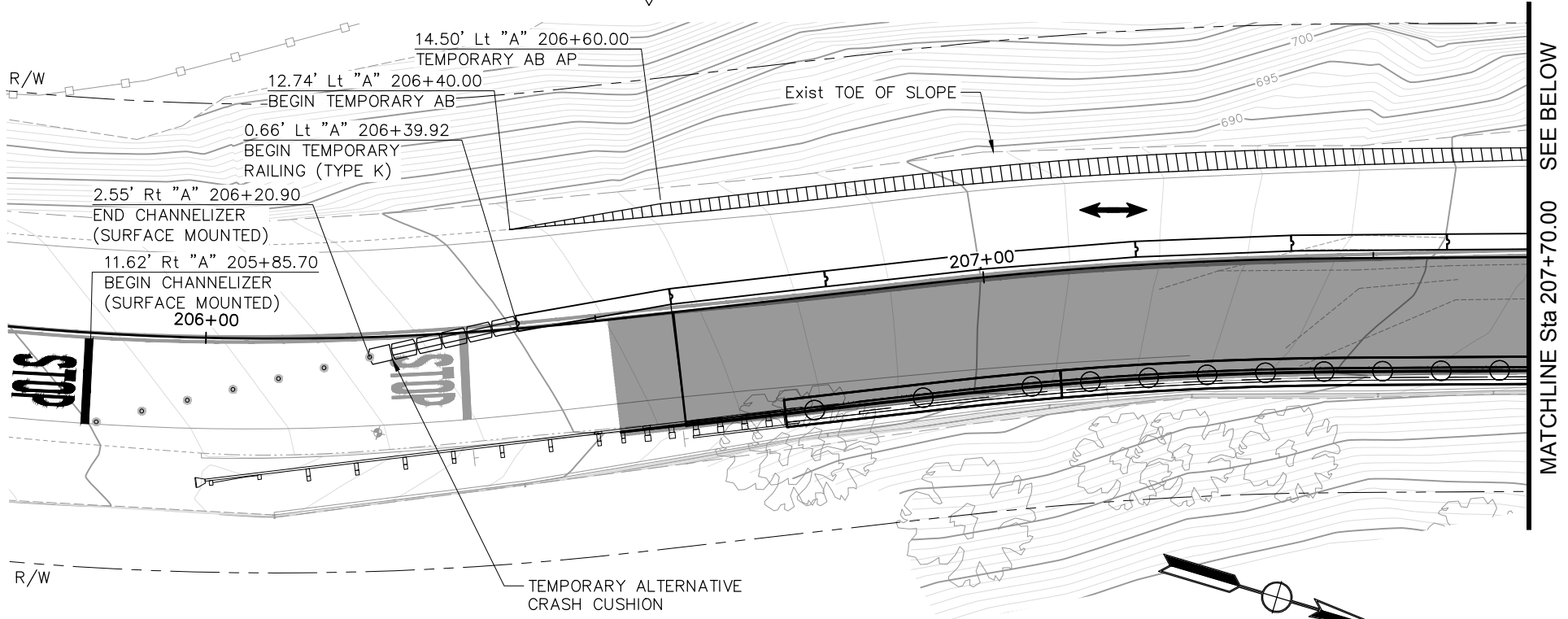
DATE 8/24/23	FILE 21-9302.02_RLA_001.DWG	PROJECT NO. 21-9302	SHEET 6
SCALE SCALE	CONTRACT NO. CONTRACT	OF 13 SHEETS	

NOTES:

1. THIS PLAN IS ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.
2. EMERGENCY VEHICLE ACCESS MUST BE MAINTAINED AT ALL TIMES.
3. TEMPORARY RAILING (TYPE K) TO BE PINNED PER CALTRANS STANDARD PLAN T3B.

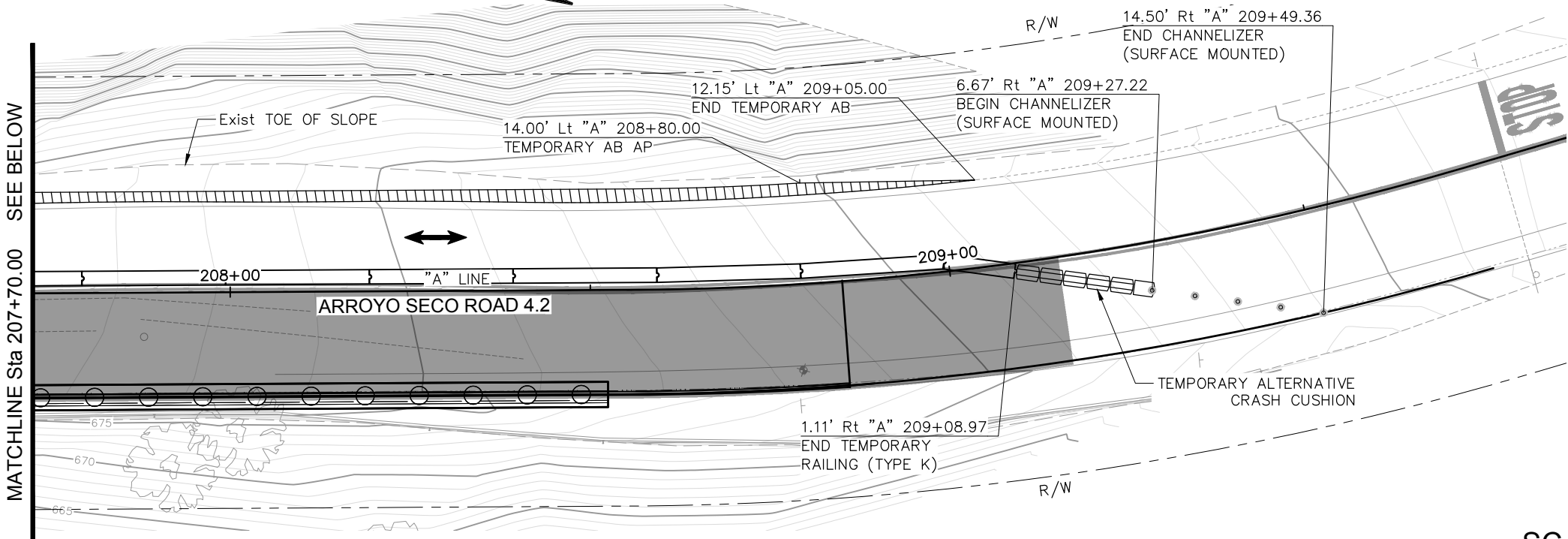
LEGEND:

-  DIRECTION OF TRAFFIC
-  TEMPORARY STRUCTURAL SECTION
-  AREA OF WORK
-  TEMPORARY RAILING (TYPE K)



STAGE CONSTRUCTION NOTES:


- STAGE 1: TEMPORARY ROADWAY CLOSURE WAIT-TIME MUST BE LIMITED TO 15-MINUTE INTERVALS. MAINTAIN TWO-WAY ONE REVERSIBLE LANE TRAFFIC DURING NON-WORK HOURS.
- PHASE 1: USING FLAGGERS, TRAFFIC PLACED ON TWO-WAY, ONE REVERSIBLE LANE ON THE WESTERNLY LANE. CONSTRUCT TEMPORARY STRUCTURAL SECTION.
- PHASE 2: CONSTRUCT EASTERNLY 14' OF PROPOSED ROADWAY AND RETAINING WALL. INSTALL MGS WHERE FEASIBLE. TEMPORARY STRUCTURAL SECTION NEEDED WHERE NOTED TO MAINTAIN A 11' TEMPORARY LANE WHILE CONSTRUCTING ALL FEASIBLE ROAD ITEMS AND RETAINING WALL.




Drawing name: S:\Client\Monterey\21-9302\02_rma_001.dwg - cad files\21-9302\02_rma_001.dwg Layout: Tab: SC-1 Aug 24, 2023 - 1:39pm Hernan Gutierrez

SC-1

Submitted by: Robert Ferguson Project Engineer C.E. No. C77731	
DESIGN BY: H. GUTIERREZ	CHKD BY: AZ/CD
DRAWN BY: H. GUTIERREZ	CHKD BY: AZ/CD
SPECIFICATIONS WRITTEN BY: JW/AMH	CHKD BY: MK
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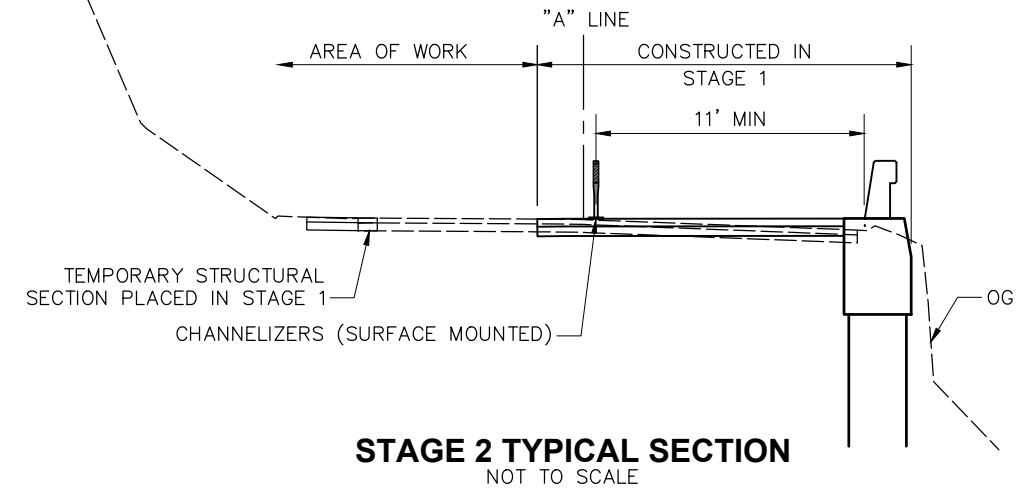
ARROYO SECO ROAD MP 4.2 EMERGENCY SLIP-OUT REPAIRS			
STAGE CONSTRUCTION (STAGE 1)			
DATE 8/24/23	FILE 21-9302.02_RMA_001.DWG	PROJECT NO. 21-9302	SHEET 7
SCALE 1"=20'		CONTRACT NO. CONTRACT	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		OF 13 SHEETS	

NOTES:

1. THIS PLAN IS ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.
2. EMERGENCY VEHICLE ACCESS MUST BE MAINTAINED AT ALL TIMES.

LEGEND:

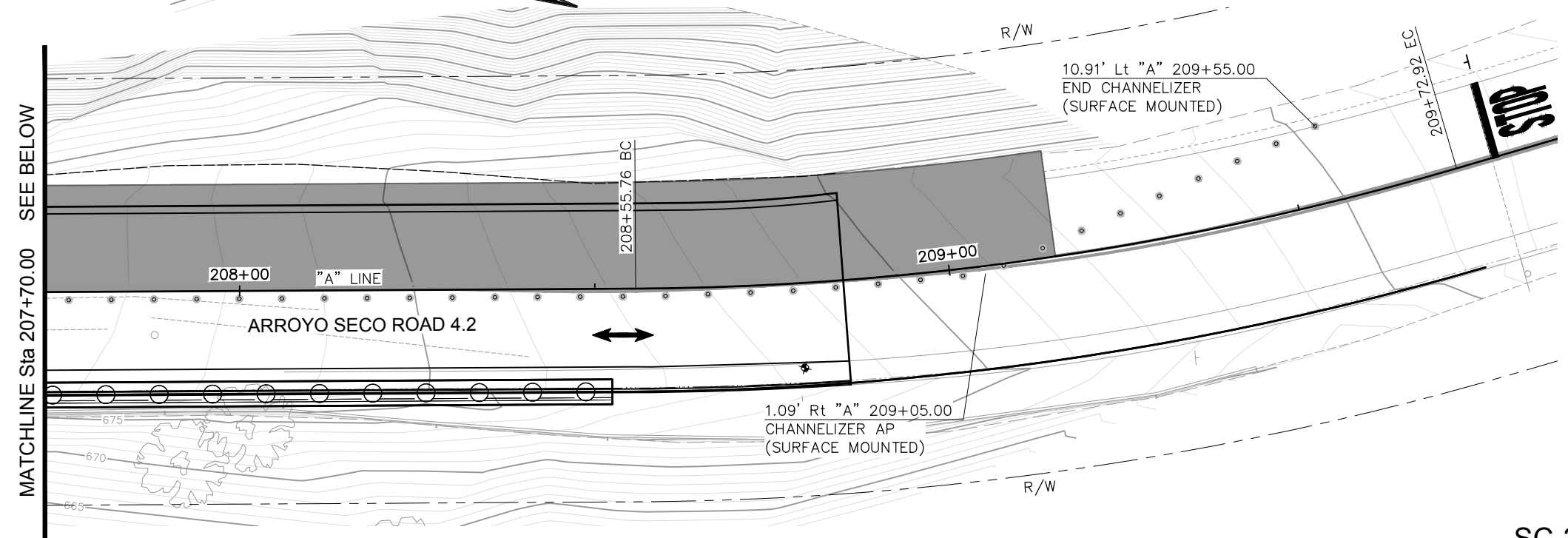
-  DIRECTION OF TRAFFIC
-  AREA OF WORK



STAGE CONSTRUCTION NOTES:


STAGE 2: TEMPORARY ROADWAY CLOSURE WAIT-TIME MUST BE LIMITED TO 15-MINUTE INTERVALS. MAINTAIN TWO-WAY ONE REVERSIBLE LANE TRAFFIC DURING NON-WORK HOURS.

PHASE 1: USING FLAGGERS, TRAFFIC PLACED ON TWO-WAY, ONE REVERSIBLE LANE ON THE EASTERNLY LANE CONSTRUCTED IN PREVIOUS STAGE. CONSTRUCT WESTERNLY 12' OF PROPOSED ROADWAY. TEMPORARY STRUCTURAL SECTION, PLACED IN STAGE 1 TO BE REMOVED.

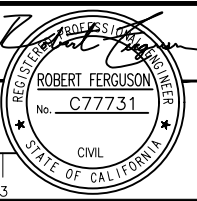


SC-2

Submitted by: Robert Ferguson Project Engineer C.E. No. C77731	
DESIGN BY: H. GUTIERREZ	CHKD BY: AZ/CD
DRAWN BY: H. GUTIERREZ	CHKD BY: AZ/CD
SPECIFICATIONS WRITTEN BY: JW/AMH	CHKD BY: MK
Approval Recommended by: Chief of Public Works and Facilities	



11017 COBBLEROCK DRIVE, SUITE 100
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P: 916.368.9181



NO.	DATE	REVISION DESCRIPTION	APPROVED
1	8/16/23	SPECIAL PROVISION CHANGES, NO PLAN CHANGES	
2	8/23/23	VARIOUS CLOUDED PLAN CHANGES	



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ARROYO SECO ROAD MP 4.2 EMERGENCY SLIP-OUT REPAIRS			
STAGE CONSTRUCTION (STAGE 2)			
DATE 8/24/23	FILE 21-9302.02_RMA_002.DWG	PROJECT NO. 21-9302	SHEET 8
SCALE 1"=20'		CONTRACT NO.	OF 13 SHEETS
CONTRACT			

Drawing name: S:\Client\Monterey\21-9302\02_rma_002.dwg - cad files\21-9302_02_rma_002.dwg Layout Tab: SC-2 Aug 24, 2023 - 1:39pm Hernan Gutierrez

ROADWAY QUANTITIES																	
LINE	FROM		TO			TYPE 3 BARRICADES EA	CHANNELIZER (SURFACE MOUNTED) EA	TEMPORARY RAILING (TYPE K) LF	TEMPORARY CRASH CUSHION EA	ROADWAY EXCAVATION CY	CLASS 2 AGGREGATE BASE CY	TEMPORARY CLASS 2 AGGREGATE BASE CY	HOT MIX ASPHALT (TYPE A) TON	MINOR CONCRETE (CURB, GUTTER, SIDEWALK AND) CY	TRANSITION RAILING (TYPE WB-31) EA	ALTERNATIVE IN-LINE TERMINAL SYSTEM EA	COMMENTS
	FROM	OFFSET	LINE	TO	OFFSET												
"A"			"A"			4											
"A"	205+85.70	11.62' RT	"A"	206+20.90	2.55' RT		7										
"A"	209+27.22	6.67' RT	"A"	209+49.36	14.50' RT		5										
"A"	205+90.00	10.77' LT	"A"	209+55.00	10.91' LT		62										
"A"	206+40.32	LT/RT	"A"	208+89.56	LT/RT			270									
"A"	206+20.90	RT	"A"						1								STAGE 1 CONSTRUCTION
"A"	209+27.22	RT	"A"						1								STAGE 1 CONSTRUCTION
"A"	206+20.90	12.74' LT	"A"	209+05.00	12.15' LT						12						STAGE 1 CONSTRUCTION
"A"	206+60.00	LT/RT	"A"	208+85.00	LT/RT				213	125		170					
"A"	206+60.00	14.09' RT	"A"	206+72.83	14.04' RT								1				CURB TYPE A1-6
"A"	208+52.40	14.00' RT	"A"	208+85.00	14.12' RT								1				CURB TYPE A1-6
"A"	206+72.00		"A"											1			
"A"	206+00.00		"A"												1		
TOTAL						4	74	270	2	213	125	12	170	2	1	1	

SIGNING AND STRIPING QUANTITIES											
LINE	FROM		TO			TEMPORARY PAVEMENT MARKING SQFT	REMOVE ROADSIDE SIGN EA	RELOCATED ROADSIDE SIGN EA	THERMOPLASTIC TRAFFIC STRIPE LF	REMOVE PAVEMENT MARKING SQFT	COMMENTS
	FROM	OFFSET	LINE	TO	OFFSET						
"A"	205+85.36	6.23' RT	"A"			22					"STOP"
"A"	205+85.36	6.23' RT	"A"			11					LIMIT LINE
"A"	209+78.71	13.95' LT	"A"				1				S5-4
"A"	206+33.34	16.12' RT	"A"	205+85.40	16.47' RT			1			S5-1
"A"	206+60.00	11.00' RT	"A"	208+85.00	11.00' RT				225		DETAIL 27B
"A"	206+60.00	11.00' LT	"A"	208+85.00	11.00' LT				225		DETAIL 27B
"A"	206+60.00	LT/RT	"A"	208+85.00	LT/RT				225		DETAIL 22
"A"	206+27.47	6.00' RT	"A"						22		"STOP"
"A"	206+33.39	4.82' RT	"A"						11		LIMIT LINE
"A"	209+78.10	5.33' LT	"A"						22		"STOP"
"A"	209+84.43	5.69' LT	"A"						11		LIMIT LINE
TOTAL						33	1	1	675	66	


Drawing name: S:\Client\Monterey\219302\219302a\02_arroyo_seco_road (mp_4.2)\505-design\505 - cad files\21-9302.02_rpa_001.dwg Layout Tab: SUMMARY OF QUANTITIES Aug 24 2023 1:38pm HermenGulierrez

Q-1


Submitted by: Robert Ferguson
Project Engineer C.E. No. C77731

DESIGN BY: H. GUTIERREZ CHKD BY: AZ/CD
DRAWN BY: H. GUTIERREZ CHKD BY: AZ/CD
SPECIFICATIONS WRITTEN BY: JW/AMH CHKD BY: MK


Approval Recommended by: _____
Chief of Public Works and Facilities



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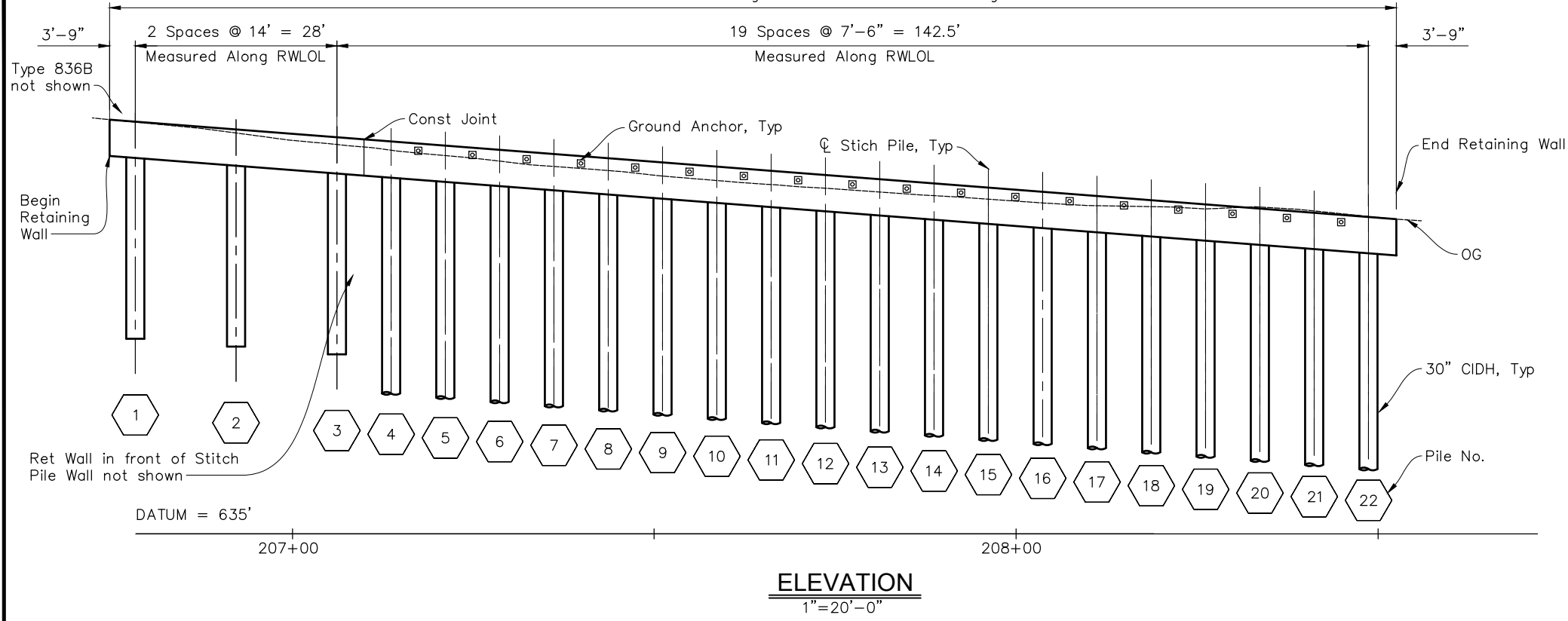
NO.	DATE	REVISION DESCRIPTION	APPROVED
1	8/16/23	SPECIAL PROVISION CHANGES, NO PLAN CHANGES	
2	8/23/23	VARIOUS CLOUDED PLAN CHANGES	
3			
4			
5			



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ARROYO SECO ROAD MP 4.2 EMERGENCY SLIP-OUT REPAIRS			
SUMMARY OF QUANTITIES			
DATE 8/24/23	FILE 21-9302.02_RPA_001.DWG	PROJECT NO. 21-9302	SHEET 9
SCALE NONE	CONTRACT NO. CONTRACT		OF 13 SHEETS

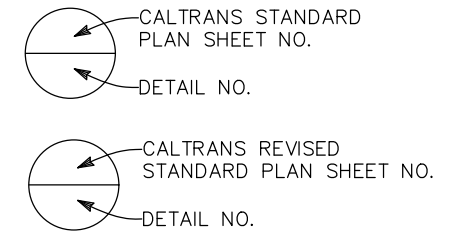
Reinforced Concrete Stitch Pile Retaining Wall 178'-0" Measured Along RWLOL



PILE DATA TABLE			
Pile No.	Top of Wall Elev	Pile Tip Elev	Rock Socket Length (FT)
1	692.7	662.7	10
2	691.4	661.4	10
3	690.0	660.0	10
4	689.3	639.3	30
5	688.6	638.6	30
6	687.9	637.9	30
7	687.2	637.2	30
8	686.6	636.6	30
9	686.0	636.0	30
10	685.4	635.4	30
11	684.9	634.9	30
12	684.4	634.4	30
13	683.8	633.8	30
14	683.3	633.3	30
15	682.8	632.8	30
16	682.3	632.3	30
17	681.8	631.8	30
18	681.3	631.3	30
19	680.8	630.8	30
20	680.3	630.3	30
21	679.8	629.8	30
22	679.3	629.3	30

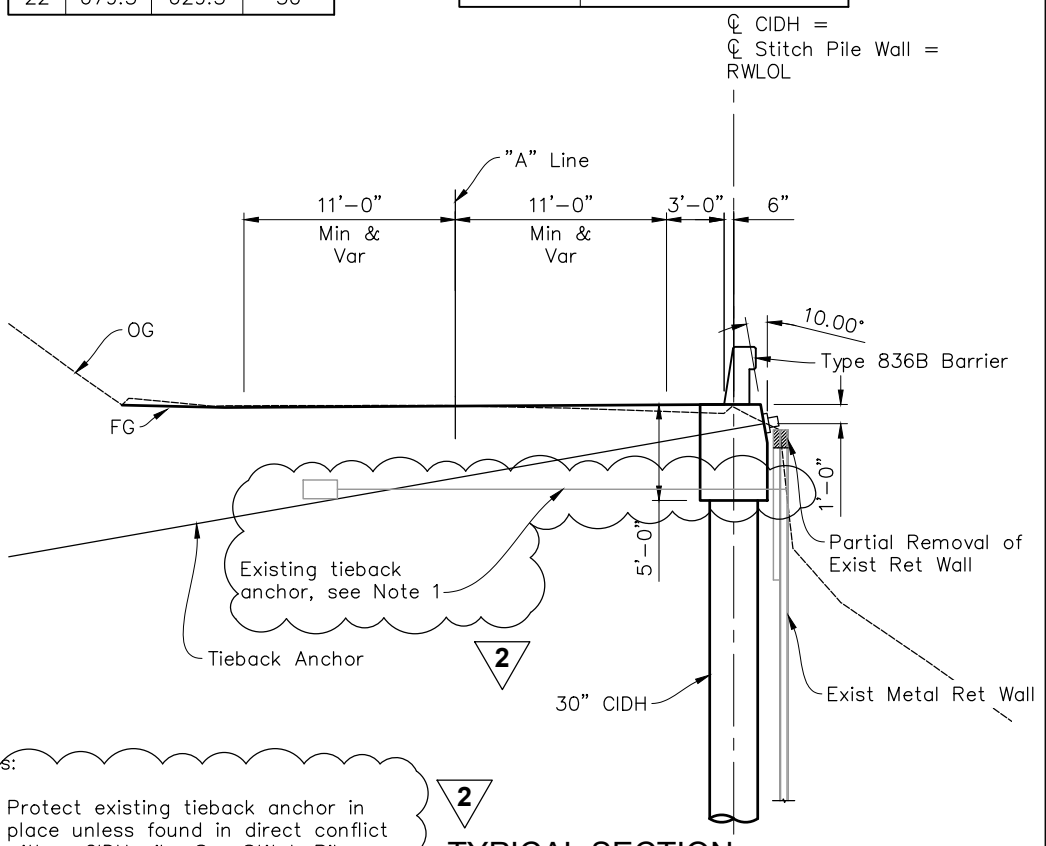
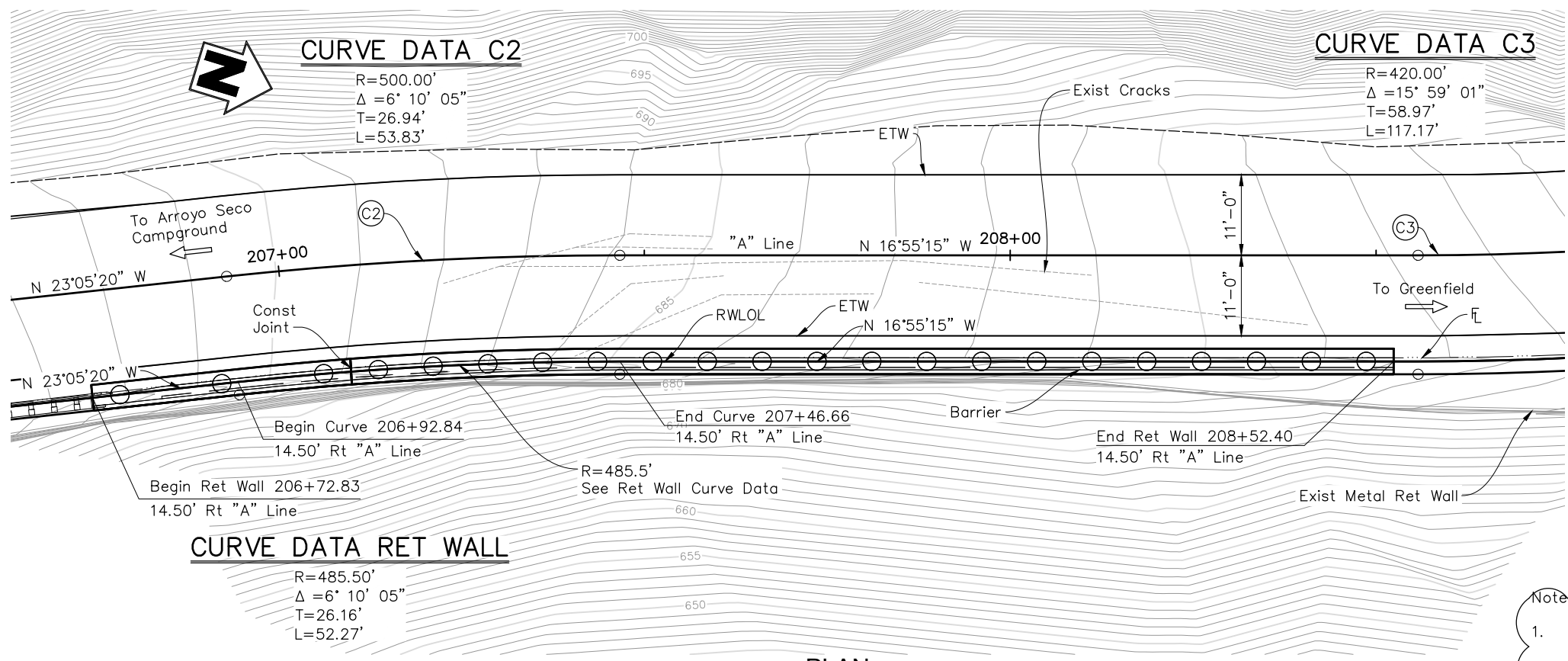
STANDARD PLANS 2022 EDITION

- A3A Abbreviations (Sheet 1 of 3)
- A3B Abbreviations (Sheet 2 of 3)
- A3C Abbreviations (Sheet 3 of 3)
- A10A Legend - Lines and Symbols (Sheet 1 of 5)
- A10B Legend - Lines and Symbols (Sheet 2 of 5)
- A10C Legend - Lines and Symbols (Sheet 3 of 5)
- A10D Legend - Lines and Symbols (Sheet 4 of 5)
- A10E Legend - Lines and Symbols (Sheet 5 of 5)
- A10F Legend - Soil (Sheet 1 of 2)
- A10G Legend - Soil (Sheet 2 of 2)
- A10H Legend - Rock
- A62C Limits of Payment for Excavation and Backfill-Bridge
- RSP B11-80 Concrete Barrier Type 836 Details No. 2



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
S-1	General Plan
S-2	Stitch Pile Details No. 1
S-3	Stitch Pile Details No. 2
S-4	Stitch Pile Details No. 3



- Notes:
- Protect existing tieback anchor in place unless found in direct conflict with a CIDH pile. See Stitch Pile wall details sheets.

Submitted by: Robert Ferguson
Project Engineer C.E. No. C77731

DESIGN BY: T. TRUCHEMENT CHKD BY: A. ZUBAREV

DRAWN BY: T. TRUCHEMENT CHKD BY: A. ZUBAREV

SPECIFICATIONS WRITTEN BY: J. WILSON/A. HANSON CHKD BY: M. KATT

Approval Recommended by: Chief of Public Works and Facilities

NO.	DATE	REVISION DESCRIPTION	APPROVED
1	8/16/23	SPECIAL PROVISION CHANGES, NO PLAN CHANGES	
2	8/23/23	VARIOUS CLOUDED PLAN CHANGES	

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ARROYO SECO ROAD MP 4.2 EMERGENCY SLIP-OUT REPAIRS

GENERAL PLAN

DATE	FILE	PROJECT NO.	SHEET
8/24/23	21-9302.02_A-GP01.DWG	21-9302	10
SCALE HORIZ	CONTRACT NO.	CONTRACT	OF 13 SHEETS
VERT			

GENERAL NOTES

LOAD AND RESISTANCE FACTOR DESIGN

DESIGN: AASHTO LRFD Bridge Design Specifications, 8th edition and with Caltrans Amendments, preface dated April 2019.

SEISMIC DESIGN: Caltrans Seismic Design Criteria (SDC), version 2.0, dated April 2019.

SEISMIC LOADING: $k_h = 0.22$

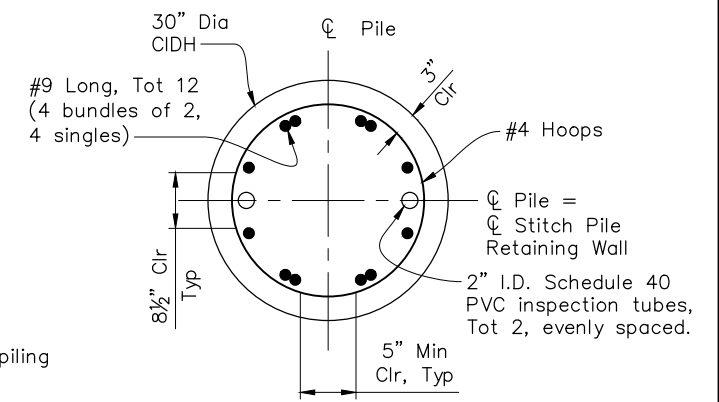
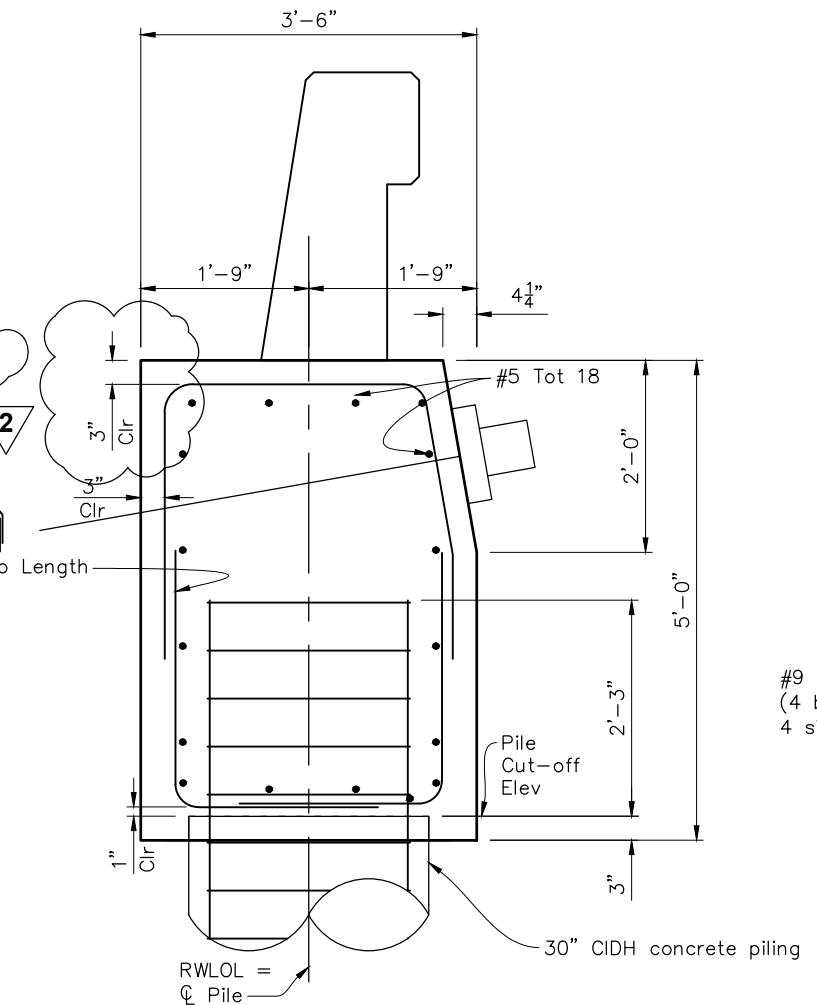
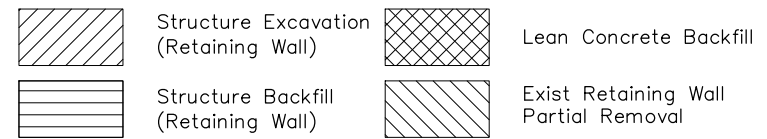
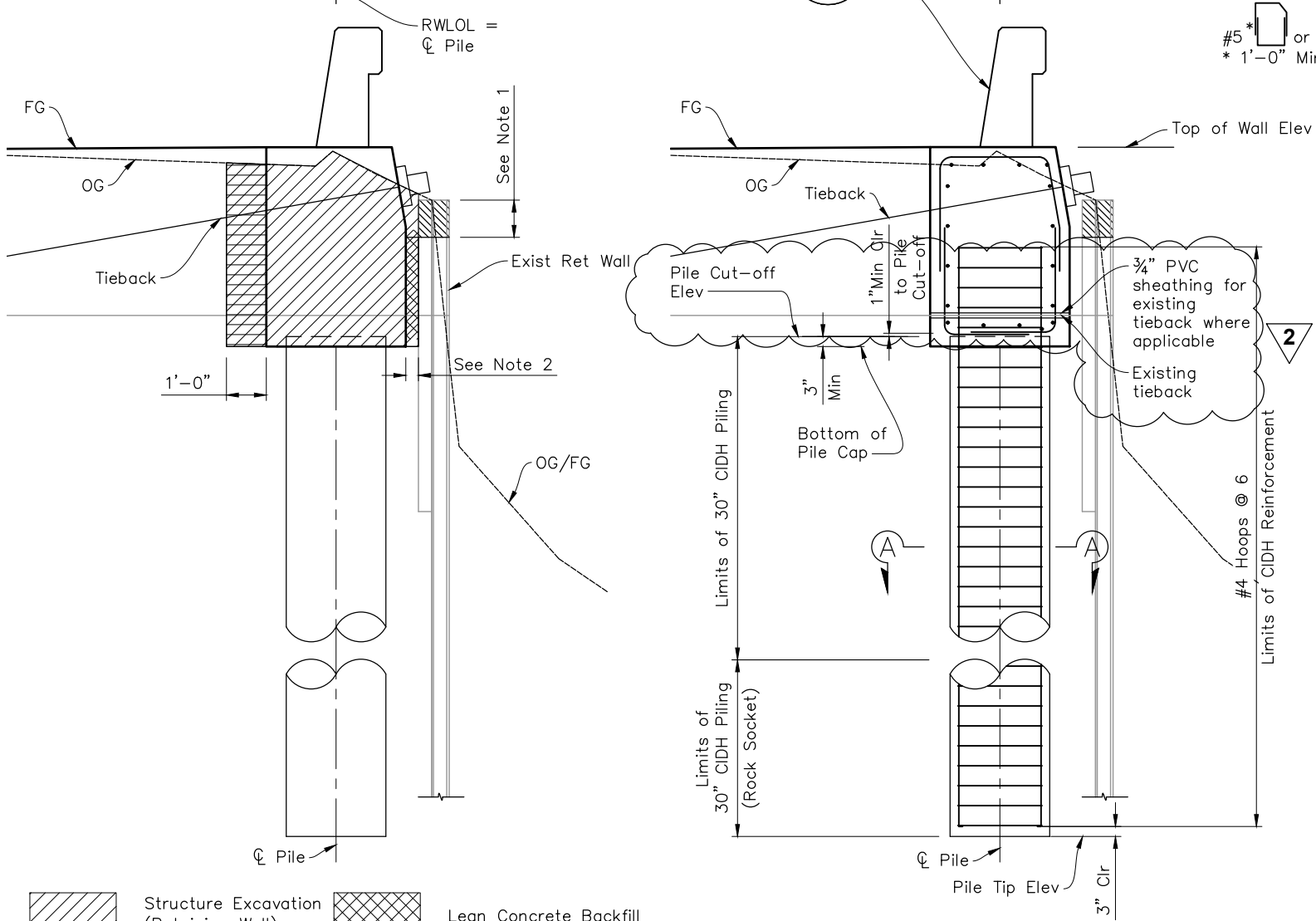
CONCRETE: $f'_c = 3.6$ ksi
 $f'_{ci} = 3.0$ ksi
 $f_y = 60$ ksi
 $n = 8$

STRUCTURAL STEEL SHAPES AND BARS:
 L Shapes
 ASTM A36, Galvanized
 Threaded Rods
 ASTM A307 (grade A), Galvanized

NUTS AND WASHERS:
 Nuts
 ASTM A563
 Washers:
 ASTM F844

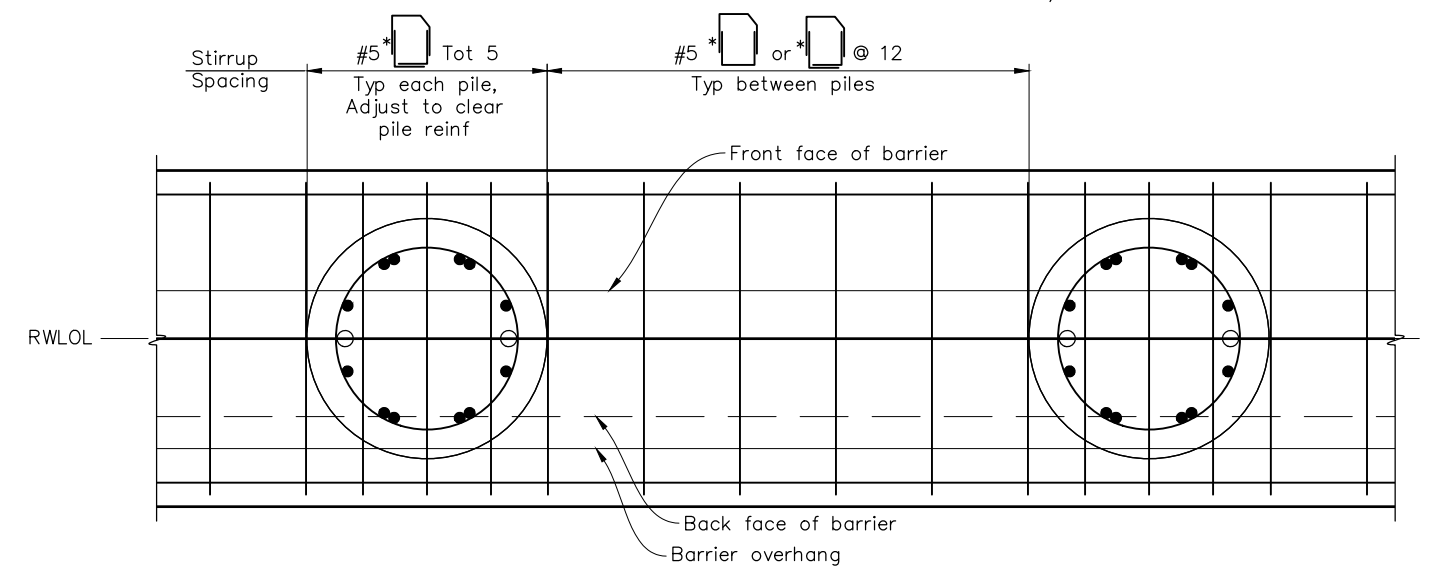
QUANTITIES

Structure Excavation (Retaining Wall)	183.3 CY
Structure Backfill (Retaining Wall)	35 CY
Lean Concrete Backfill	19.8 CY
Ground Anchor (Subhorizontal)	18 EA
30" Cast-In-Drilled-Hole Concrete Piling (Rock Socket)	440 LF
30" Cast-In-Drilled-Hole Concrete Piling	600 LF
Structural Concrete, Retaining Wall	113 CY
Bar Reinforcing Steel, (Retaining Wall)	61839.3 LB
Concrete Barrier (Type 836B Modified)	178 LF
Miscellaneous Metal (Retaining Wall)	200 LB



NOTE:

- Remove as necessary for anchor installation and galvanize cut face with zinc rich primer.
- Varies to backface of existing retaining wall.



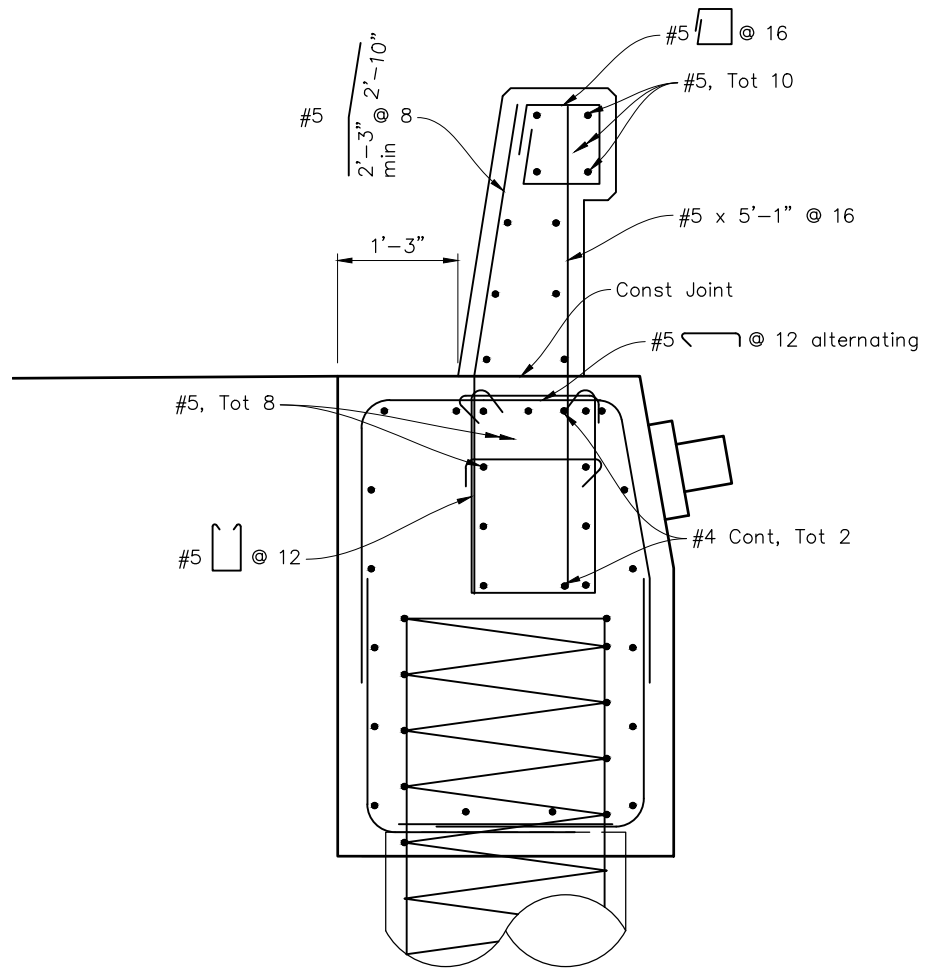
Drawing name: S:\Client\Monterey\21-9302\21-9302-02-arroyo seco road (mp 4.2)\505-design\505 - cad files\21-9302-02-arroyo seco road - detail 01 - Aug 24, 2023 - 1:33pm Herman.Galierrez

Submitted by: Robert Ferguson Project Engineer C.E. No. C77731	
DESIGN BY: T. TRUCHEMENT	CHKD BY: A. ZUBAREV
DRAWN BY: T. TRUCHEMENT	CHKD BY: A. ZUBAREV
SPECIFICATIONS WRITTEN BY: J. WILSON/A. HANSON	CHKD BY: M. KATT
Approval Recommended by: Chief of Public Works and Facilities	

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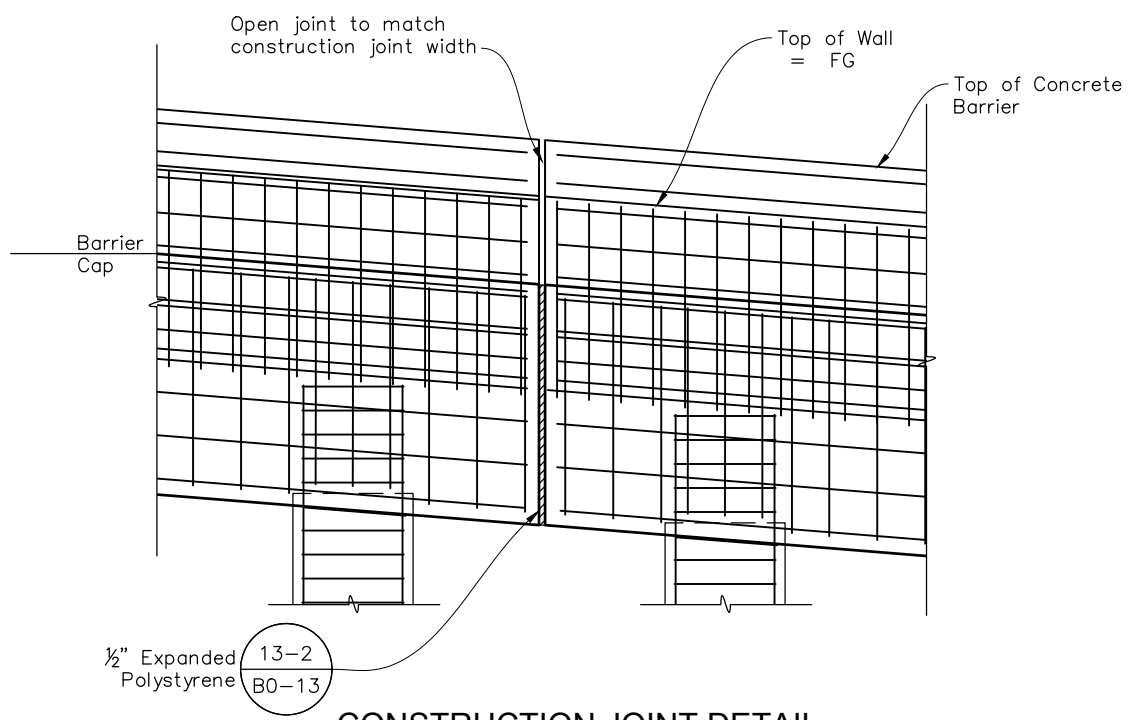
COUNTY OF MONTEREY
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 PUBLIC WORKS
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ARROYO SECO ROAD MP 4.2 EMERGENCY SLIP-OUT REPAIRS			
STITCH PILE DETAILS 1			
DATE 8/24/23	FILE 21-9302.02_G-RWDT01.DWG	PROJECT NO. 21-9302	SHEET 11
SCALE HORIZ VERT:		CONTRACT NO. CONTRACT	OF 13 SHEETS

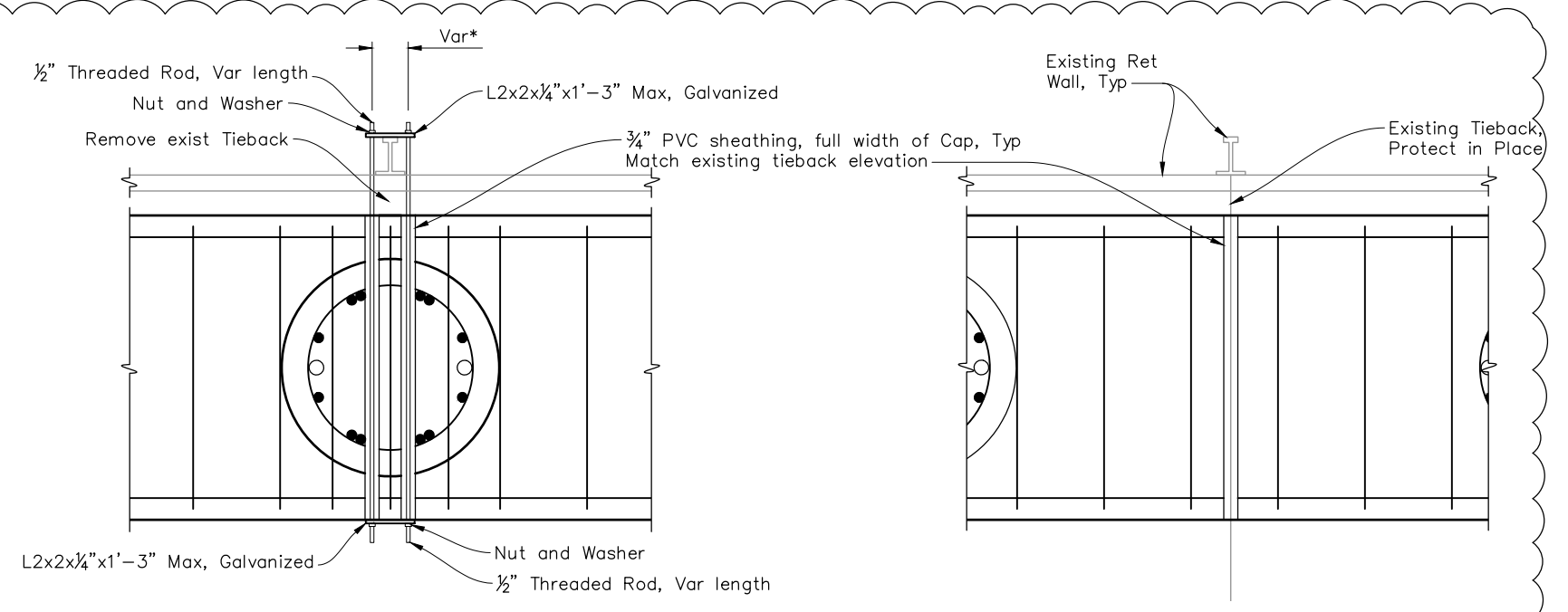


MODIFIED CONCRETE BARRIER TYPE 836B
1/2" = 1'

- NOTE:
- Adjust barrier reinforcement to clear conflicts with ground anchors as needed.



CONSTRUCTION JOINT DETAIL
1/4" = 1'



EXISTING TIEBACK REPLACEMENT DETAIL
1/2" = 1'

Only applicable where in direct conflict with CIDH piling
* Spacing between threaded rods will vary to maintain 1" clearance between PVC sheathing and bar reinforcing steel.

EXISTING TIEBACK PROTECTION DETAIL
1/2" = 1'

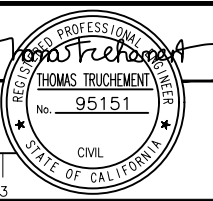
Applicable where in direct conflict with Stitch Pile Cap



S-3

Submitted by: Robert Ferguson Project Engineer C.E. No. C77731	
DESIGN BY: T. TRUCHEMENT	CHKD BY: A. ZUBAREV
DRAWN BY: T. TRUCHEMENT	CHKD BY: A. ZUBAREV
SPECIFICATIONS WRITTEN BY: J. WILSON/A. HANSON	CHKD BY: M. KATT
Approval Recommended by: Chief of Public Works and Facilities	

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ARROYO SECO ROAD MP 4.2 EMERGENCY SLIP-OUT REPAIRS			
STITCH PILE DETAILS 2			
DATE 8/24/23	FILE 21-9302.02_G-RWDT02.DWG	PROJECT NO. 21-9302	SHEET 12
SCALE HORIZ VERT:		CONTRACT NO. CONTRACT	
		OF 13 SHEETS	

GENERAL NOTES

SHEET NUMBER	TOTAL SHEETS
13	13

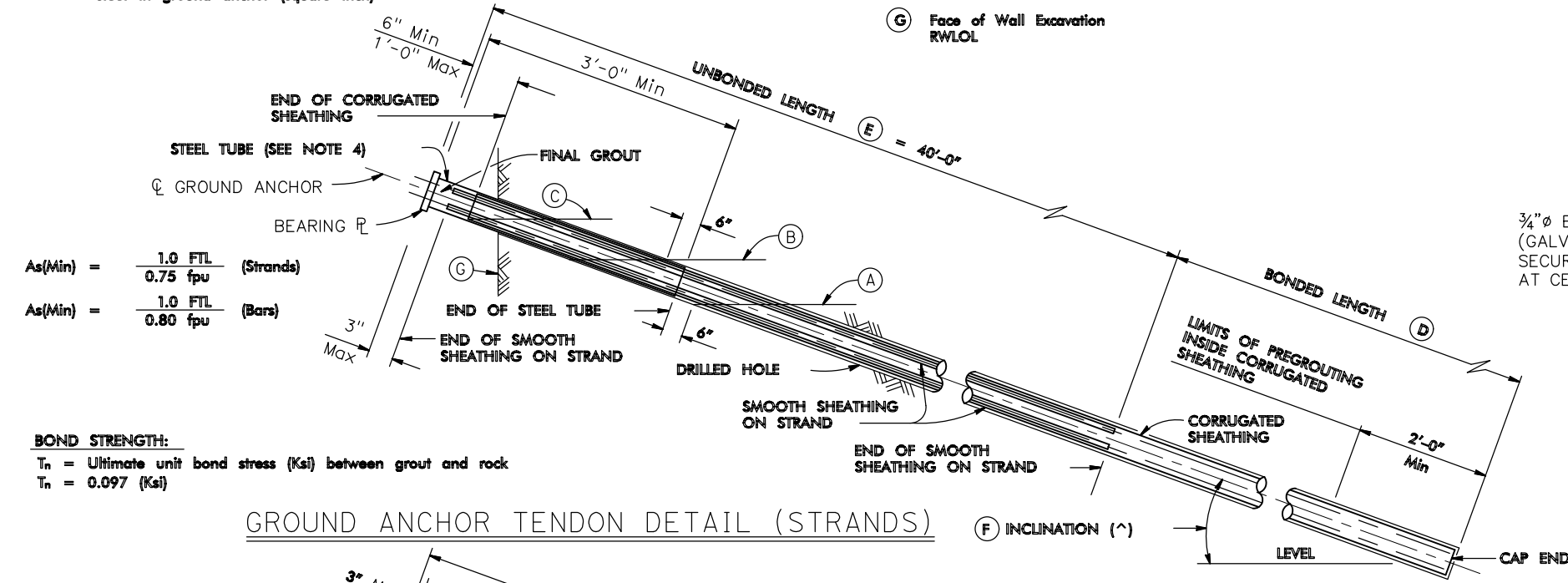
DESIGN:
AASHTO LRFD Bridge Design Specifications, 8th Edition with California Amendments.

PRESTRESSING STEEL:
Bars - ASTM Designation: A722 Type II (150 ksi)
Strand Tendons-ASTM Designation: A416 (270 Ksi Low Relaxation steel)

FDL = Factored Design Load (Kips)
FTL = Factored Test Load per anchor (Kips)
fpu = Minimum tensile strength of prestressing steel
LL = Lock off Load (Kips)
As = Minimum cross sectional area of prestressing steel in ground anchor (square inch)

- NOTES:**
- (A) Level of initial grouting for drilled hole 6" in diameter or smaller
 - (B) Level of secondary grouting
 - (C) Level of initial grouting inside corrugated sheathing
 - (D) Bonded length shall be determined by the contractor
 - (E) For unbonded length, see this sheet
 - (F) For inclination, see GENERAL PLAN
 - (G) Face of Wall Excavation RWLOL

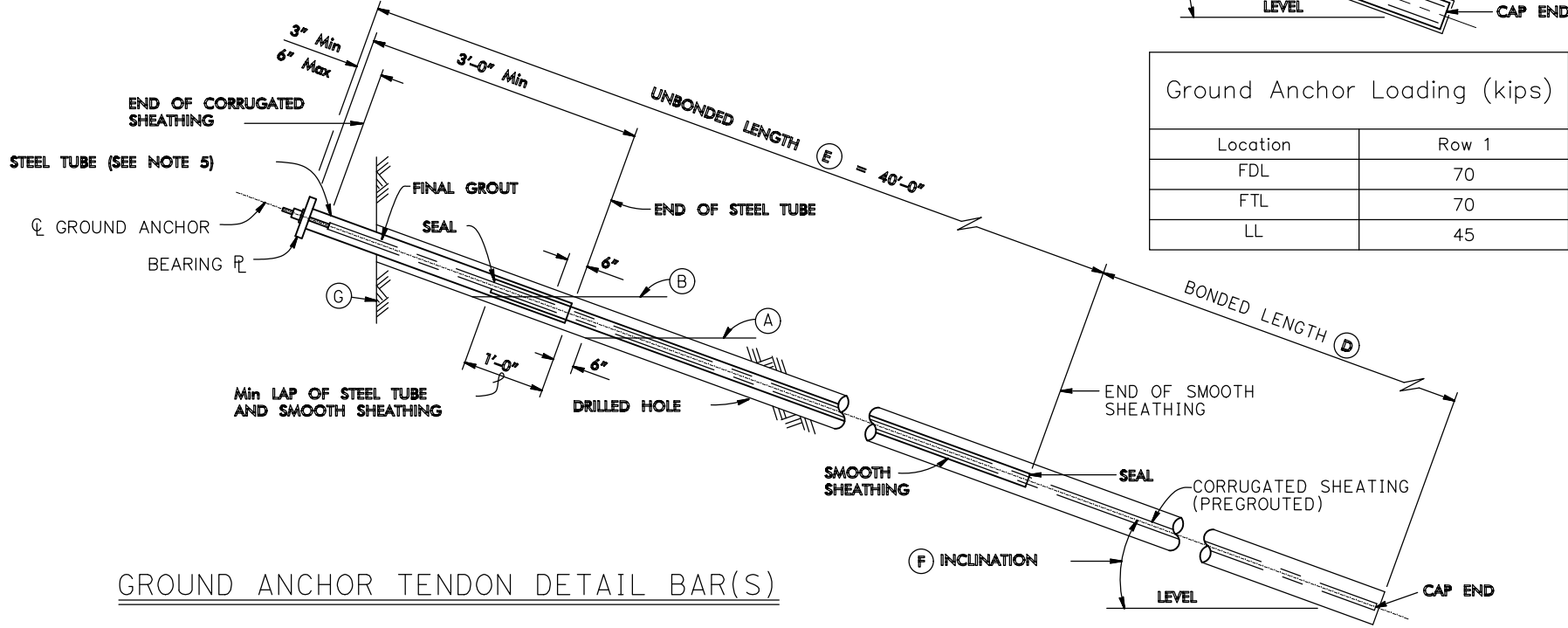
- NOTES:**
1. Anchorage enclosure shall only be used when anchor head assembly is not enclosed in concrete.
 2. Anchorage enclosure shall have provisions to allow injecting grout at low end and venting at high end. Galvanize after fabrication.
 3. Silicone sealant to cover full width of flange.
 4. Steel tube (Min thickness = 1/4") welded to bearing plate. Galvanize assembly after fabrication
 5. Steel tube welded to bearing plate. Inside diameter of steel tube (Min thickness = 1/4") to be 1" greater than outside diameter of smooth sheathing.
 6. Galvanize assembly after fabrication.
 7. For other wall details, see PROJECT PLANS.



As(Min) = $\frac{1.0 \text{ FTL}}{0.75 \text{ fpu}}$ (Strands)
As(Min) = $\frac{1.0 \text{ FTL}}{0.80 \text{ fpu}}$ (Bars)

BOND STRENGTH:
T_n = Ultimate unit bond stress (Ksi) between grout and rock
T_n = 0.097 (Ksi)

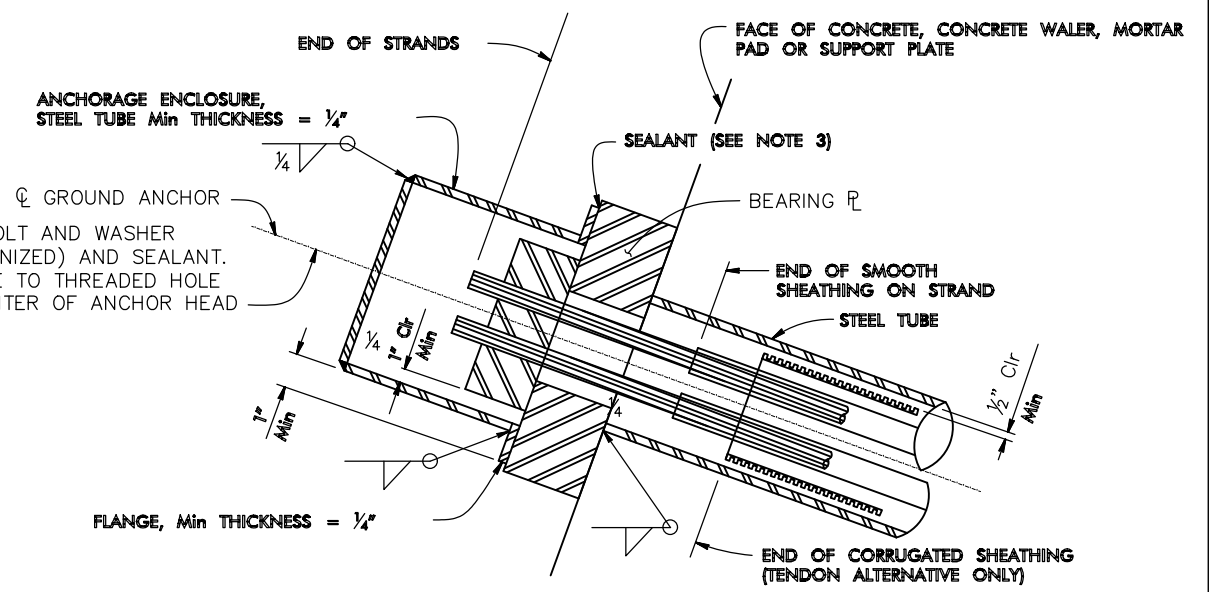
GROUND ANCHOR TENDON DETAIL (STRANDS)



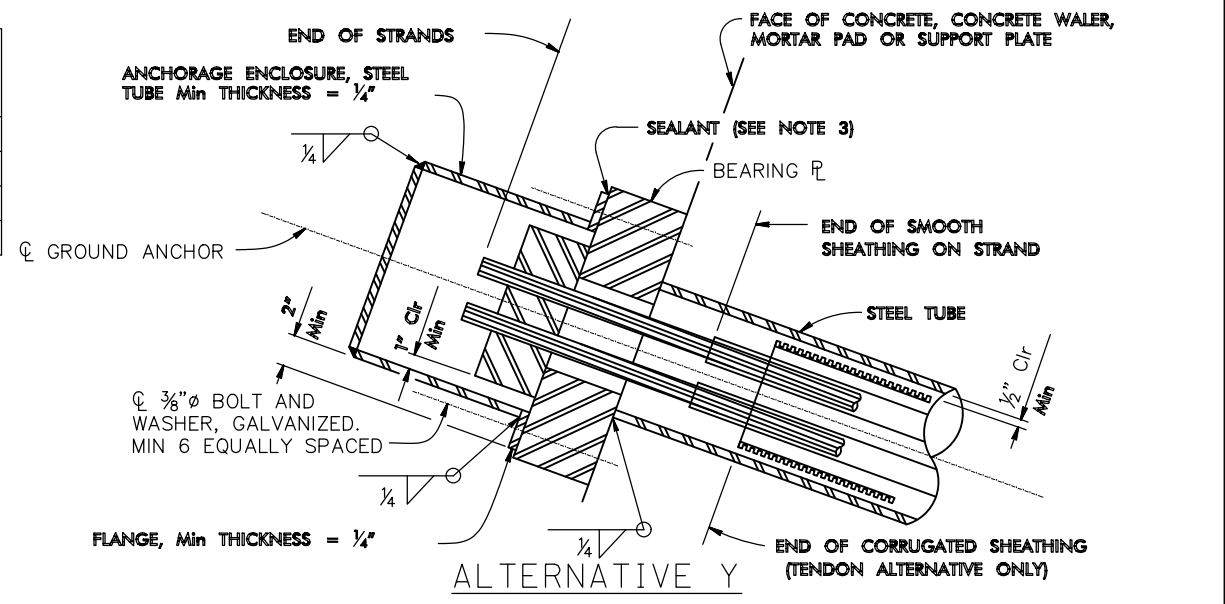
Ground Anchor Loading (kips)

Location	Row 1
FDL	70
FTL	70
LL	45

GROUND ANCHOR TENDON DETAIL BAR(S)



ALTERNATIVE X



ANCHORAGE ENCLOSURE DETAILS

NO SCALE

Drawing name: S:\Client\Monterey\2021\20210220\20210220-arroyo seco road (mp 4.2)\500-design\505 - cad files\21-9302.02_g-rwdt03.dwg Layout Tab: Detail 03 Aug 24 2023 1:44pm Herman.Galierrez

Submitted by: Robert Ferguson
Project Engineer C.E. No. C77731

DESIGN BY: T. TRUCHEMENT CHKD BY: A. ZUBAREV
DRAWN BY: T. TRUCHEMENT CHKD BY: A. ZUBAREV
SPECIFICATIONS WRITTEN BY: J. WILSON/A. HANSON CHKD BY: M. KATT

Approval Recommended by: Chief of Public Works and Facilities

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ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

NO.	DATE	REVISION DESCRIPTION	APPROVED
1	8/16/23	SPECIAL PROVISION CHANGES, NO PLAN CHANGES	
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ARROYO SECO ROAD MP 4.2 EMERGENCY SLIP-OUT REPAIRS

STITCH PILE DETAILS 3

DATE	FILE	PROJECT NO.	SHEET
8/24/23	21-9302.02_G-RWD03.DWG	21-9302	13
SCALE HORIZ	CONTRACT NO.	CONTRACT	
VERT		CONTRACT	

OF 13 SHEETS