

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN SANTA BARBARA COUNTY NEAR GAVIOTA
AT 0.7 MILE NORTH OF BECKSTEAD
OVERCROSSING (MARIPOSA REINA)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	1	??



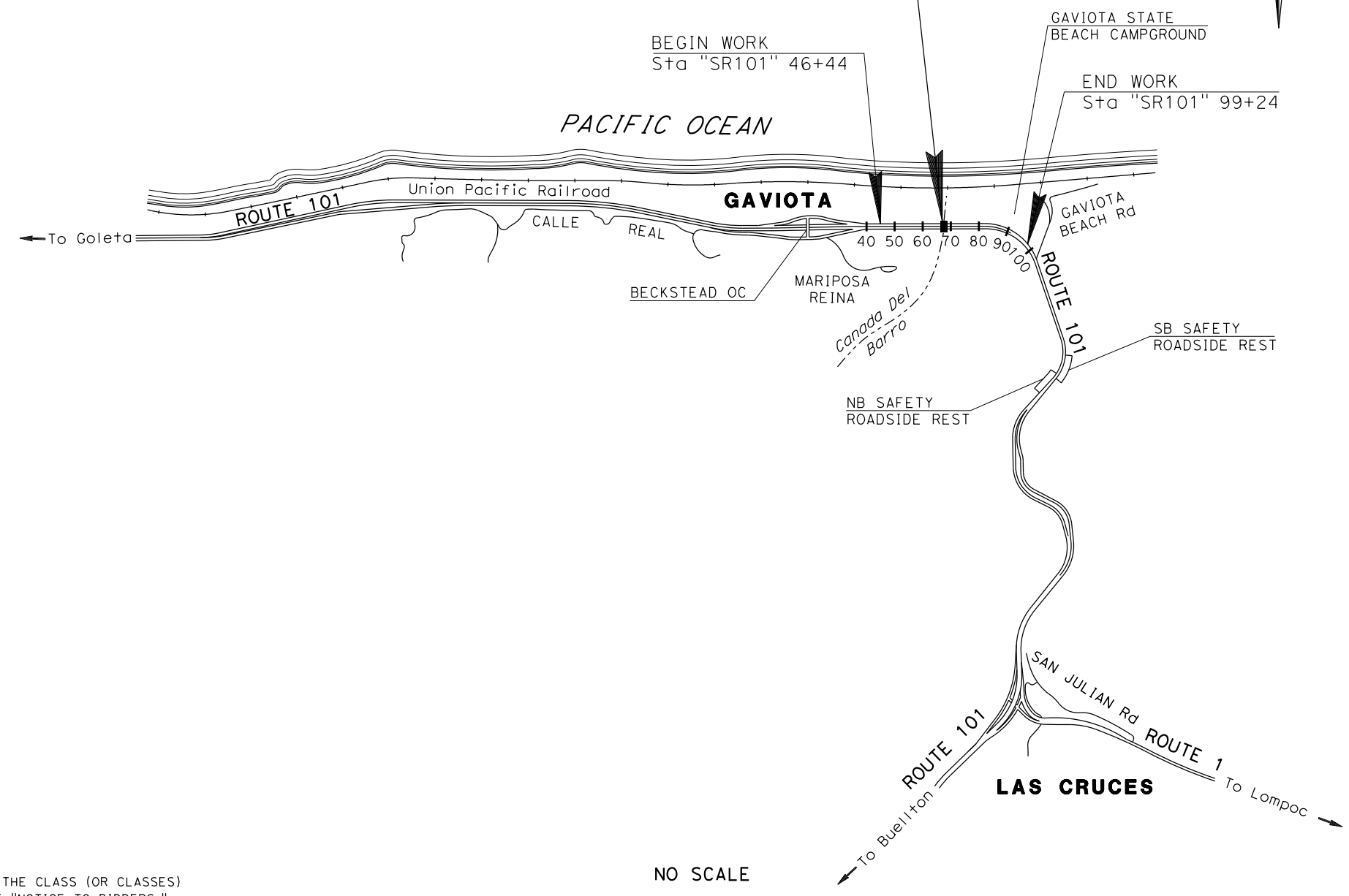
INDEX OF PLANS

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

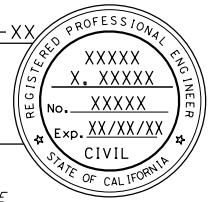
TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2018

LOCATION OF CONSTRUCTION
Sta "SR101" 67+56 PM 45.5



NO SCALE

PROJECT ENGINEER _____ DATE XX-XX-XX
REGISTERED CIVIL ENGINEER



PLANS APPROVAL DATE XX-XX-XX

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DEWBERRY!DRAKE HAGLAN
11060 WHITE ROCK ROAD, SUITE 200
RANCHO CORDOVA, CALIFORNIA 95670

CONTRACT No. **05-OK3304**
PROJECT ID **051200068**

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.

CALTRANS DESIGN OVERSIGHT APPROVAL

CONSULTANT DESIGN MANAGER

MARISSA NISHIKAWA

F. JOSE SILVA

NOTE:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- UTILITIES SHOWN ARE APPROXIMATE. VERIFY PRIOR TO CONSTRUCTION.
- FOR TEMPORARY HIGH VISIBILITY FENCE DETAILS, SEE CONSTRUCTION DETAILS.
- FOR FENCE (TYPE BW, METAL POST) DETAILS, SEE CONSTRUCTION DETAILS.
- FOR DRAINAGE PROFILES, SEE DRAINAGE PROFILE SHEETS.
- FOR HEADWALL DETAILS, SEE DRAINAGE DETAILS, SHEETS DD-3, DD-4, DD-5, AND DD-6.
- FOR ROCK SLOPE PROTECTION AND DRAINAGE DETAILS, SEE DRAINAGE DETAIL SHEETS.

ABBREVIATION:

SCE SOUTHERN CALIFORNIA EDISON

LEGEND:

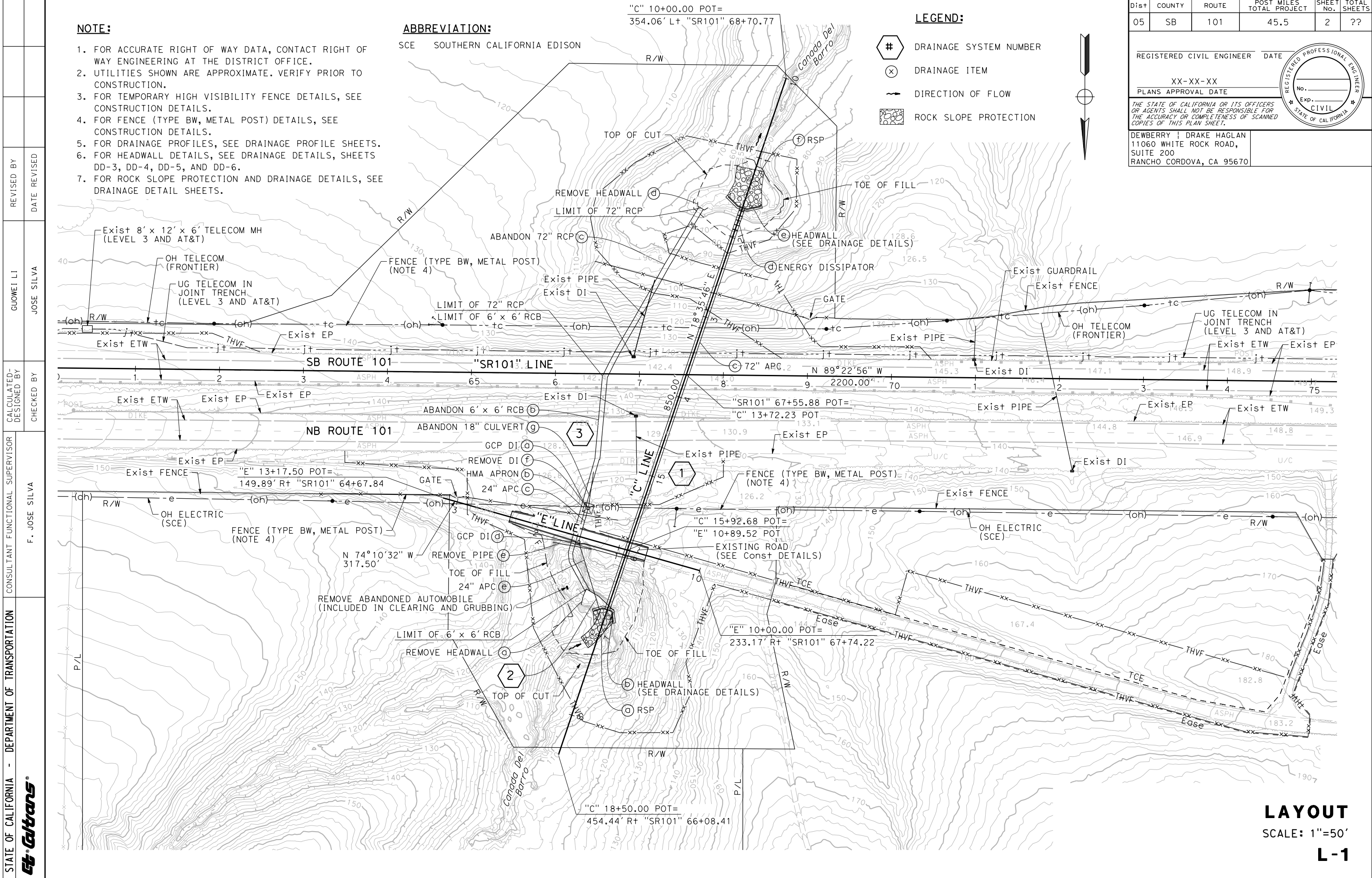
- DRAINAGE SYSTEM NUMBER
- DRAINAGE ITEM
- DIRECTION OF FLOW
- ROCK SLOPE PROTECTION

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	2	??

REGISTERED CIVIL ENGINEER DATE
XX-XX-XX
PLANS APPROVAL DATE

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DEWBERRY | DRAKE HAGLAN
11060 WHITE ROCK ROAD,
SUITE 200
RANCHO CORDOVA, CA 95670



REVISOR: GUOWEI LI, JOSE SILVA, F. JOSE SILVA

CALCULATED/DESIGNED BY: F. JOSE SILVA

CONSULTANT FUNCTIONAL SUPERVISOR: F. JOSE SILVA

DEPARTMENT OF TRANSPORTATION

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Ettrans

LAYOUT
SCALE: 1"=50'
L-1

NOTE:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR FENCE (TYPE BW, METAL POST) DETAILS, SEE SHEET C-6.

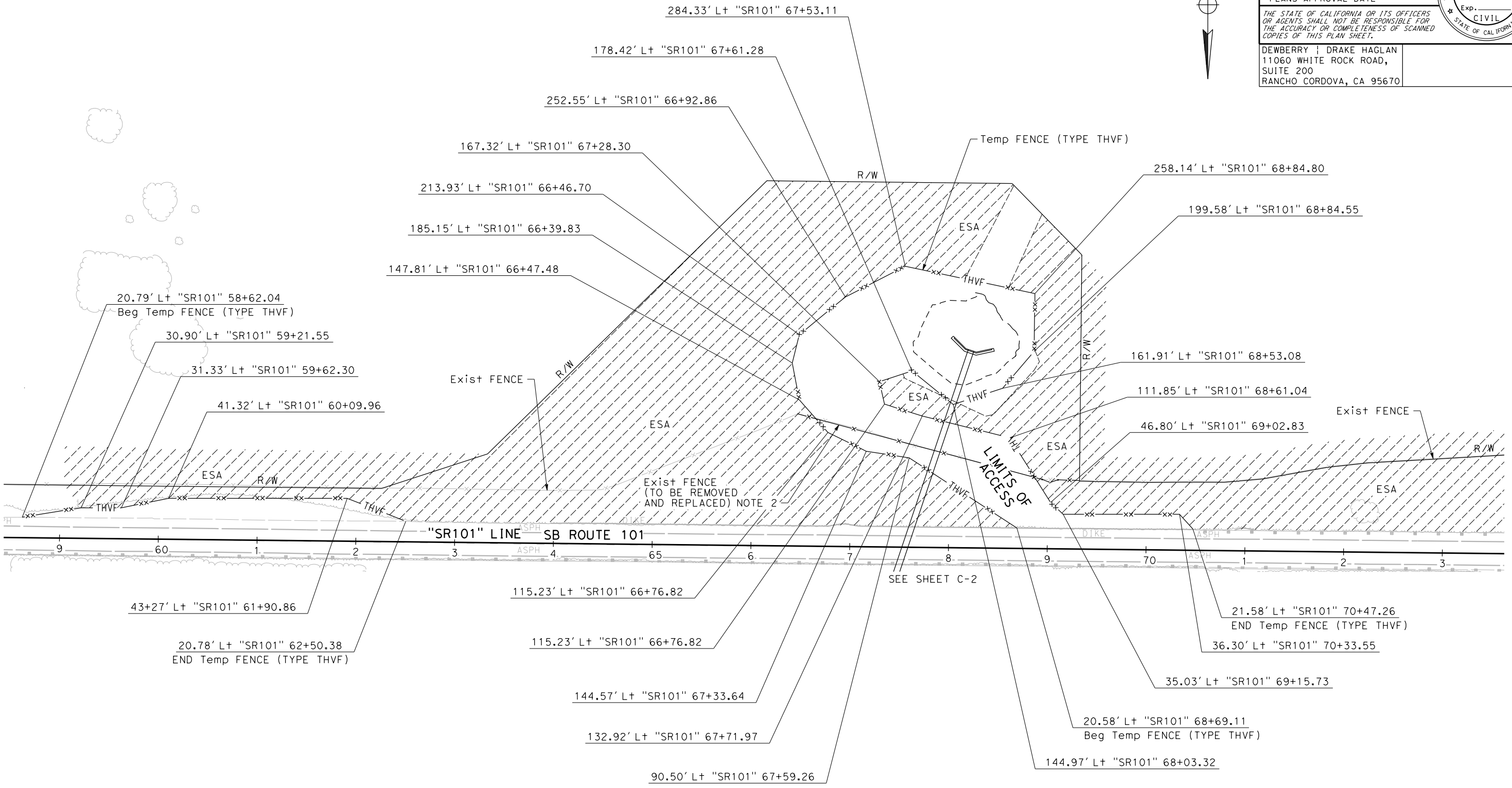
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	3	??

REGISTERED CIVIL ENGINEER DATE
 XX-XX-XX
 PLANS APPROVAL DATE

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DEWBERRY | DRAKE HAGLAN
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 SUITE 200
 RANCHO CORDOVA, CA 95670



**CONSTRUCTION DETAILS
 (TEMPORARY HIGH VISIBILITY FENCE)**

SCALE: 1"=50'

C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Caltrans

REVISOR: GUOWEI LI, JOSE SILVA
 CHECKED BY: F. JOSE SILVA

LAST REVISION DATE PLOTTED => 4/22/2020 00-00-00 TIME PLOTTED => 4:52:51 PM

NOTE:


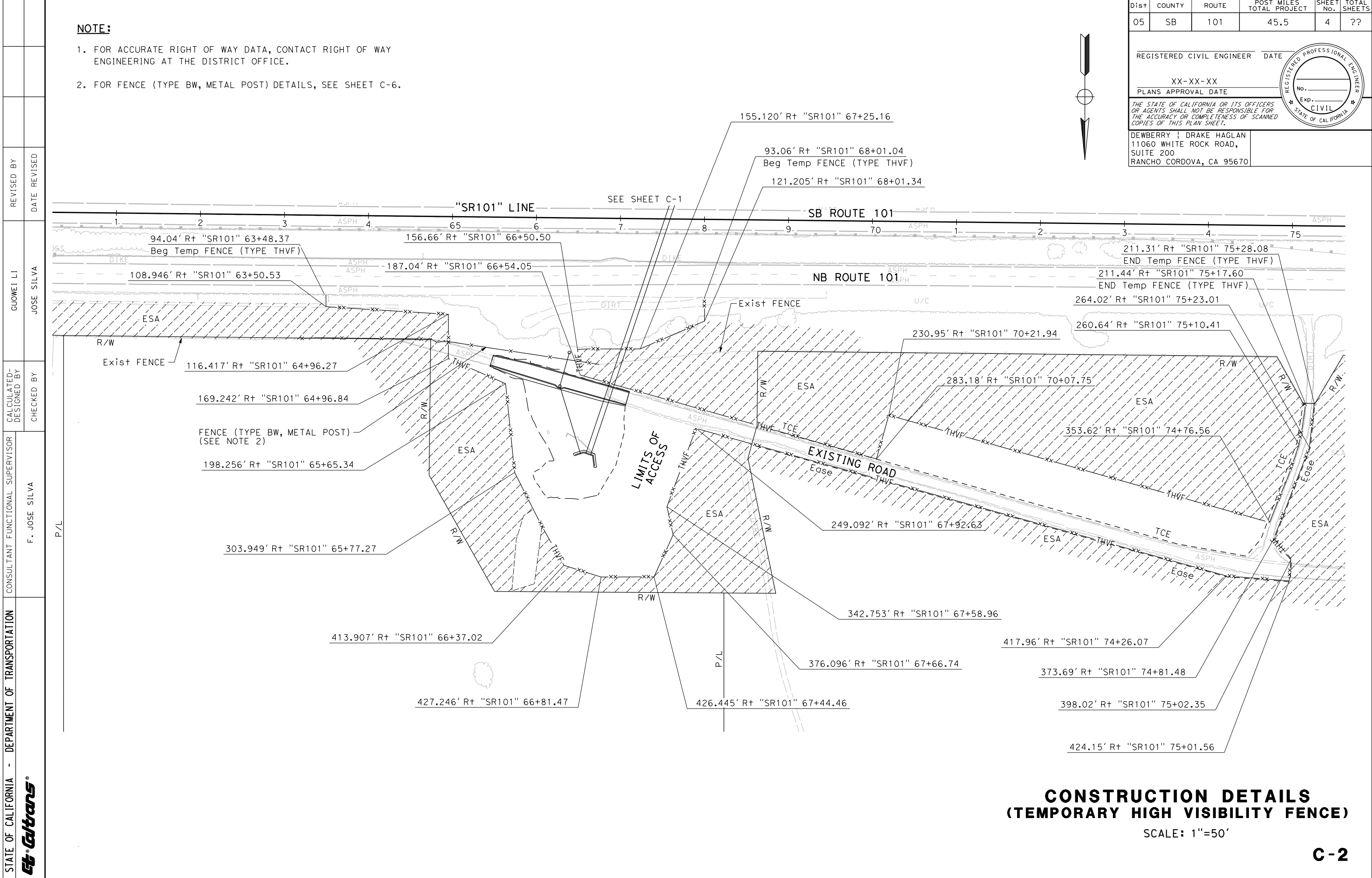
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR FENCE (TYPE BW, METAL POST) DETAILS, SEE SHEET C-6.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	4	??

REGISTERED CIVIL ENGINEER DATE
 XX-XX-XX
 PLANS APPROVAL DATE

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DEWBERRY | DRAKE HAGLAN
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 SUITE 200
 RANCHO CORDOVA, CA 95670

**CONSTRUCTION DETAILS
 (TEMPORARY HIGH VISIBILITY FENCE)**

SCALE: 1"=50'

C-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Guo Wei Li
 Jose Silva
 F. Jose Silva

LAST REVISION DATE PLOTTED => 4/22/2020 00-00-00 TIME PLOTTED => 4:52:52 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	5	??

REGISTERED CIVIL ENGINEER DATE
 XX-XX-XX
 PLANS APPROVAL DATE

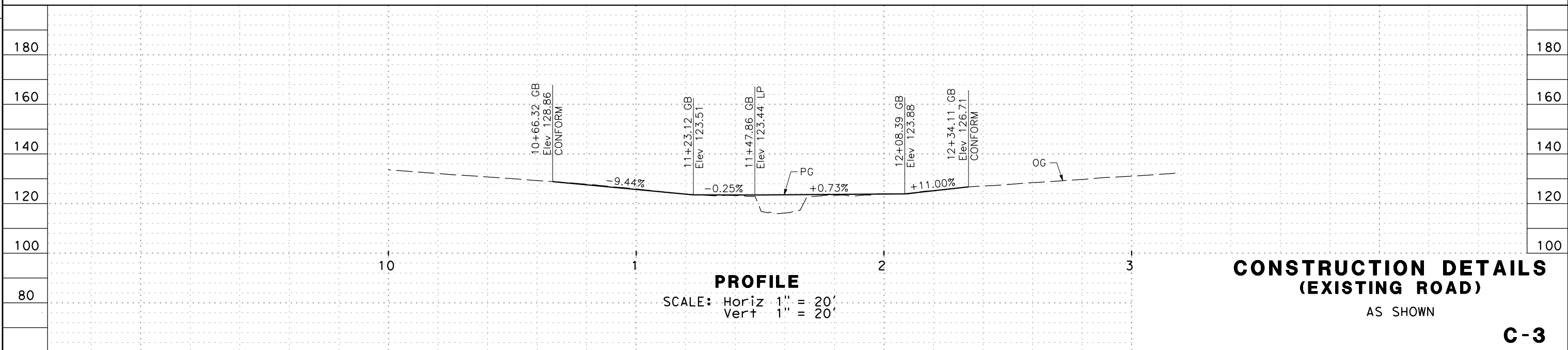
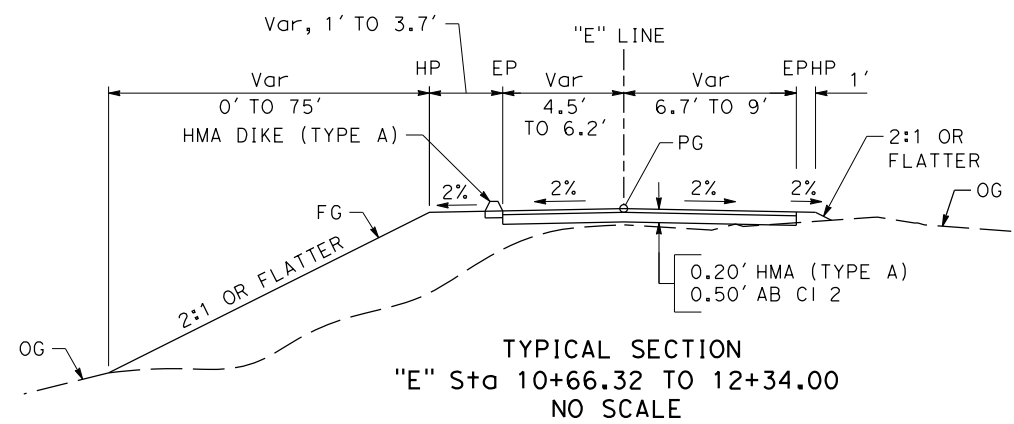
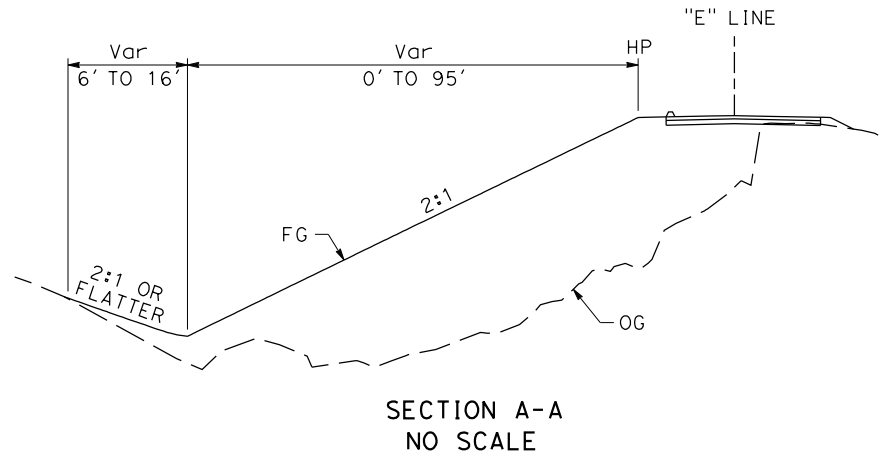
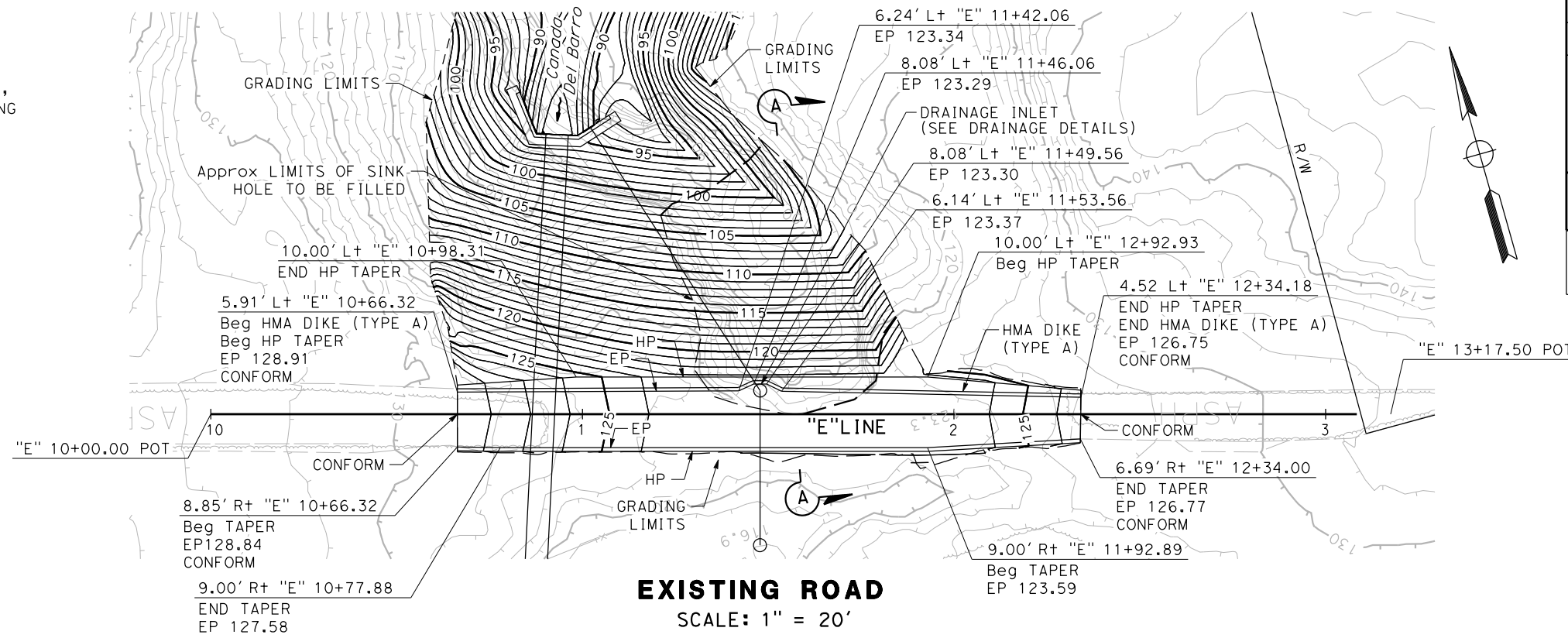
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 RANCHO CORDOVA, CA 95670

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA,
 CONTACT RIGHT OF WAY ENGINEERING
 AT THE DISTRICT OFFICE.

ABBREVIATIONS:
 GB GRADE BREAK



CONSTRUCTION DETAILS
 (EXISTING ROAD)
 AS SHOWN

C-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
F. JOSE SILVA	F. JOSE SILVA	JOSE SILVA	GUOWEI LI	JOSE SILVA
			REVISOR	DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	6	??

REGISTERED CIVIL ENGINEER DATE
 XX-XX-XX
 PLANS APPROVAL DATE

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



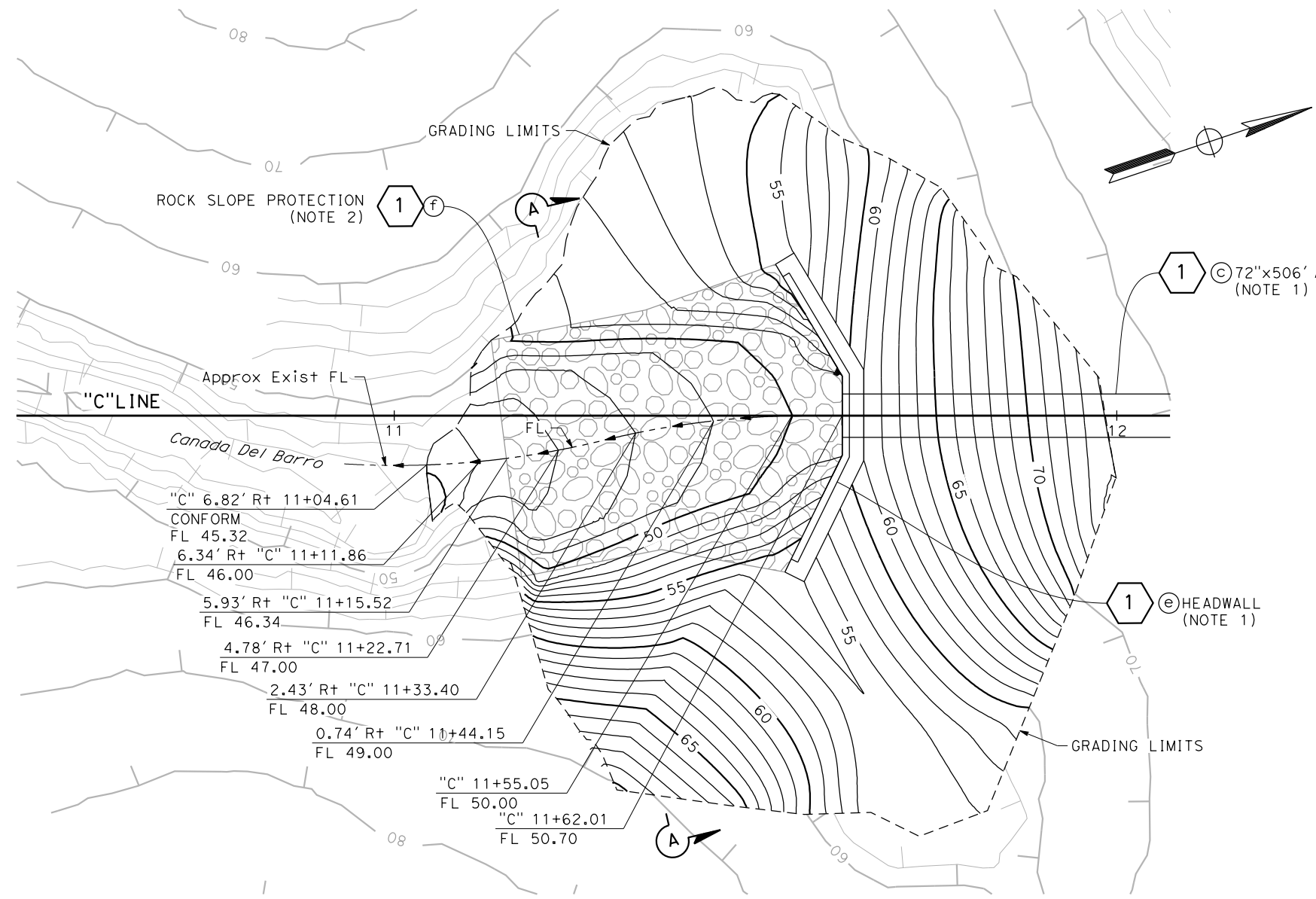
DEWBERRY | DRAKE HAGLAN
 11060 WHITE ROCK ROAD,
 SUITE 200
 RANCHO CORDOVA, CA 95670

NOTE:

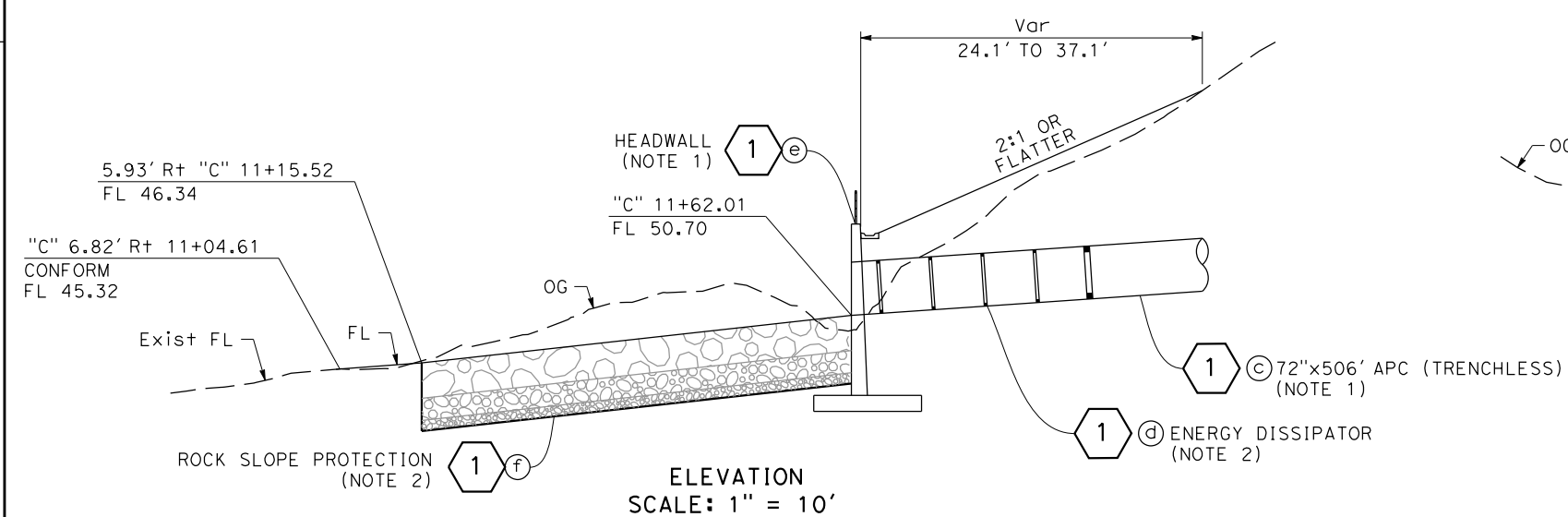
- FOR DRAINAGE SYSTEMS, SEE LAYOUT SHEET, DRAINAGE PROFILES AND DRAINAGE DETAILS.
- FOR ROCK SLOPE PROTECTION AND ENERGY DISSIPATOR DETAILS, SEE DRAINAGE DETAILS.

LEGEND:

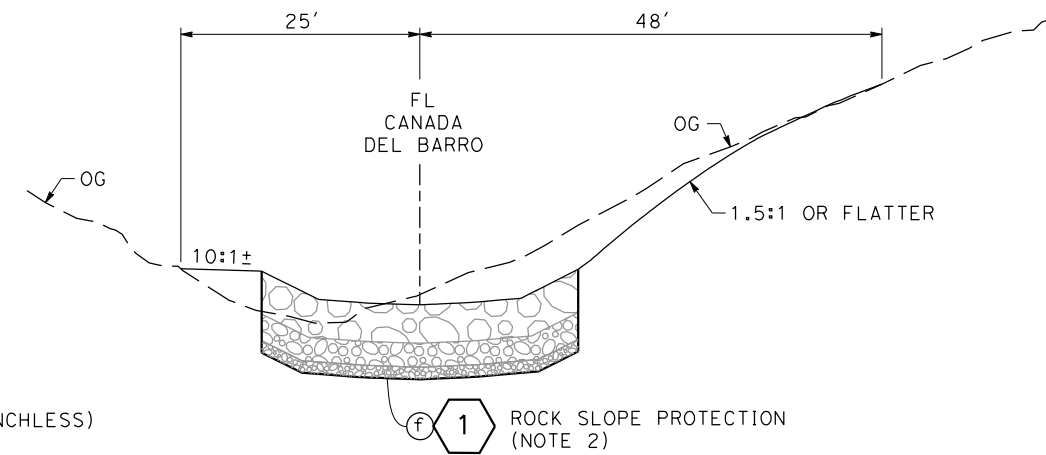
- # DRAINAGE SYSTEM NUMBER
- ⊗ DRAINAGE ITEM
- ROCK SLOPE PROTECTION



CREEK GRADING AT CULVERT OUTLET
 SCALE: 1" = 10'



ELEVATION
 SCALE: 1" = 10'



SECTION A-A
 SCALE: 1" = 10'

CONSTRUCTION DETAILS (CREEK GRADING)

AS SHOWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISED BY
Guo Wei Li	F. JOSE SILVA	Jose Silva	Jose Silva
Jose Silva			

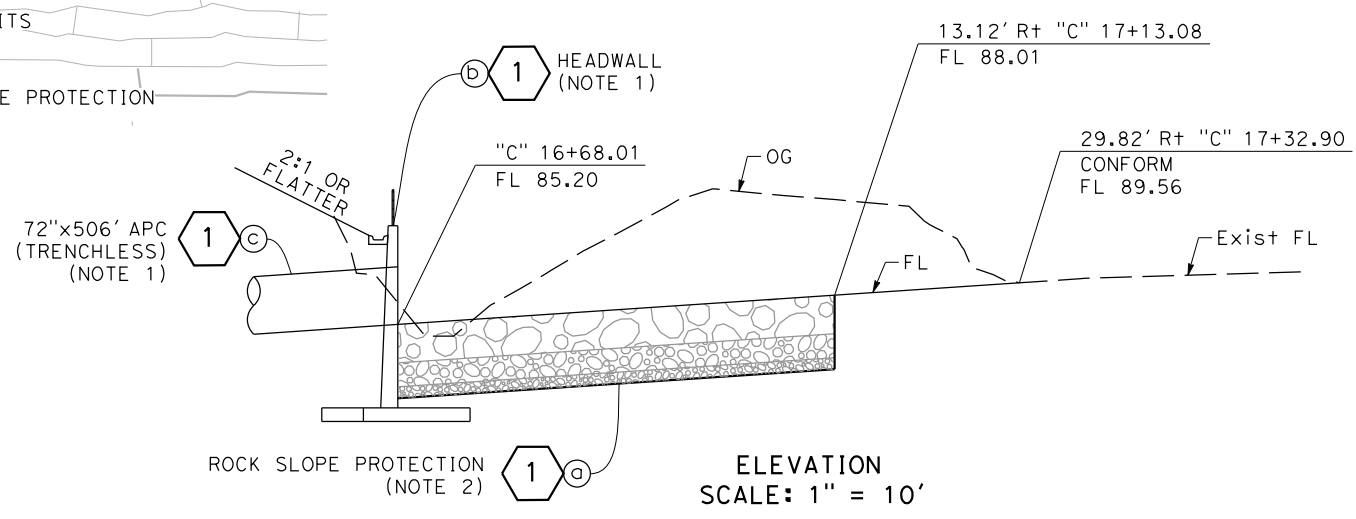
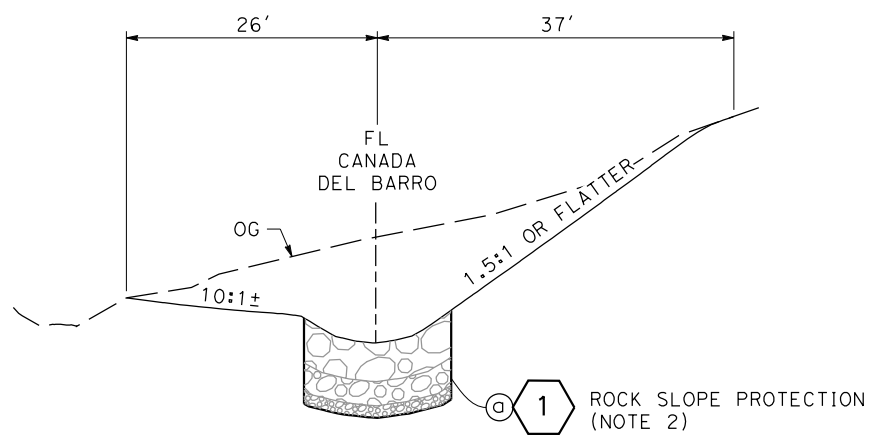
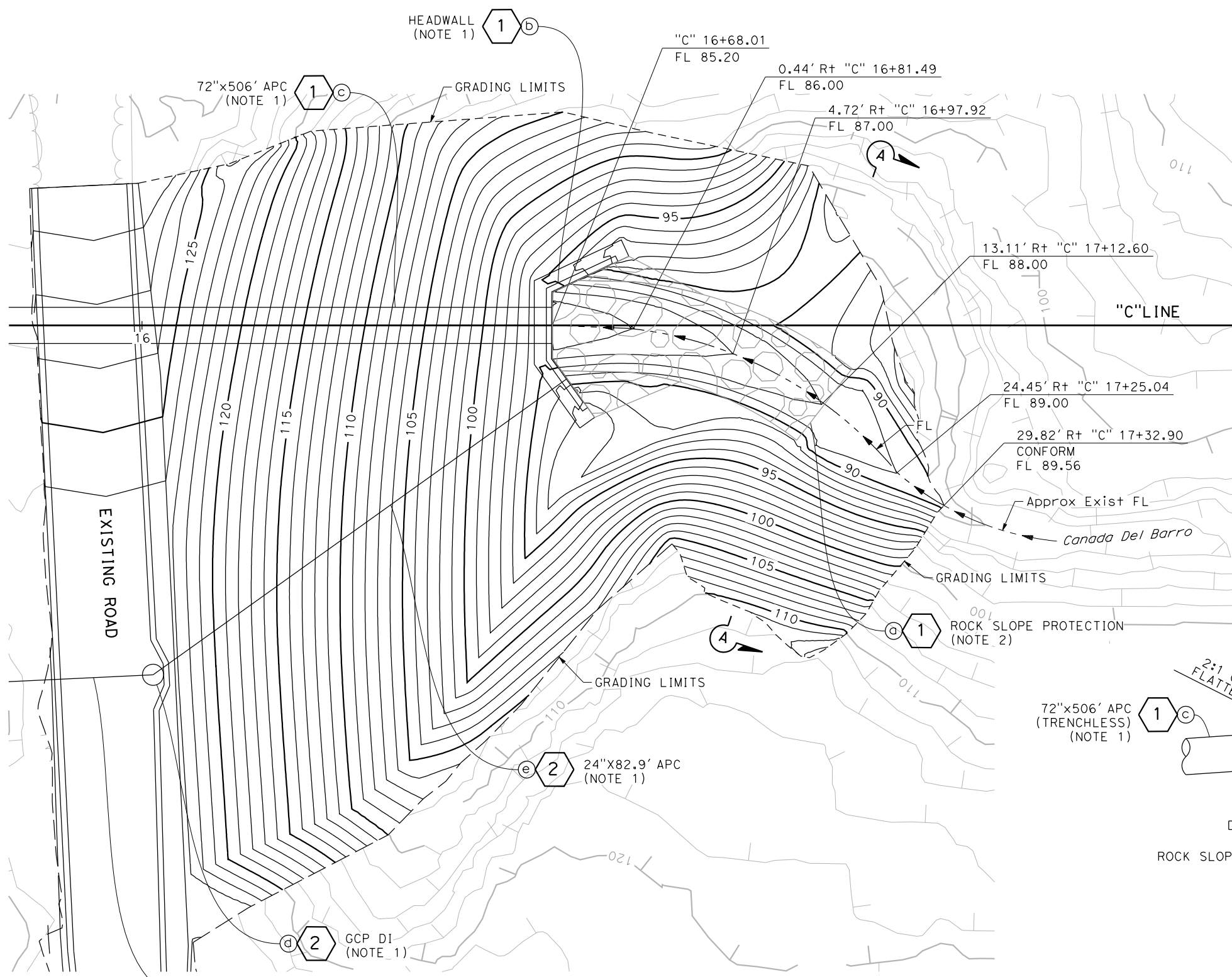
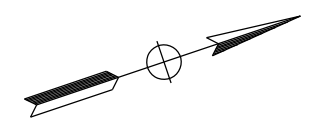
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	7	??

REGISTERED CIVIL ENGINEER	DATE
XX-XX-XX	
PLANS APPROVAL DATE	

DEWBERRY DRAKE HAGLAN 11060 WHITE ROCK ROAD, SUITE 200 RANCHO CORDOVA, CA 95670
--

NOTE:

1. FOR DRAINAGE SYSTEMS, SEE LAYOUT SHEET, DRAINAGE PROFILES AND DRAINAGE DETAILS.
2. FOR ROCK SLOPE PROTECTION DETAILS, SEE DRAINAGE DETAILS.



CREEK GRADING AT CULVERT INLET
SCALE: 1" = 10'

CONSTRUCTION DETAILS (CREEK GRADING)
AS SHOWN

C-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Et- Caltrans
CONSULTANT FUNCTIONAL SUPERVISOR F. JOSE SILVA
CALCULATED-DESIGNED BY CHECKED BY
GUOWEI LI JOSE SILVA
REVISED BY DATE REVISED

USERNAME => fdemarco
DGN FILE => ... \PIans\0512000068ga005.dgn

RELATIVE BORDER SCALE IS IN INCHES
0 1 2 3

UNIT 1472 PROJECT NUMBER & PHASE 05120000681

LAST REVISION DATE PLOTTED => 4/6/2020
00-00-00 TIME PLOTTED => 7:19:31 PM


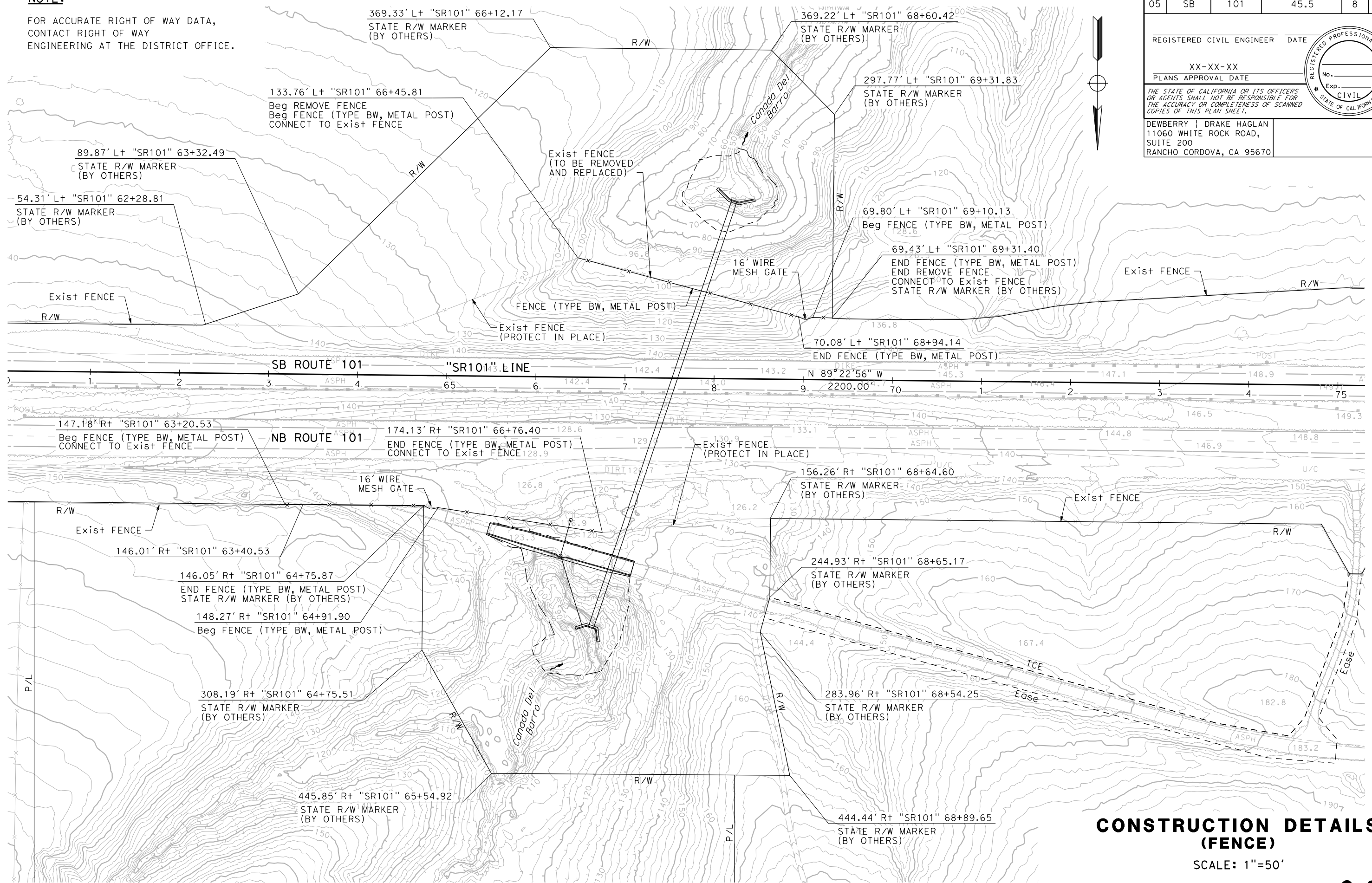
NOTE:
FOR ACCURATE RIGHT OF WAY DATA,
CONTACT RIGHT OF WAY
ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	8	??

REGISTERED CIVIL ENGINEER DATE
XX-XX-XX
PLANS APPROVAL DATE

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DEWBERRY | DRAKE HAGLAN
11060 WHITE ROCK ROAD,
SUITE 200
RANCHO CORDOVA, CA 95670

**CONSTRUCTION DETAILS
(FENCE)**

SCALE: 1"=50'

C-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Guo Wei Li
Jose Silva
F. Jose Silva

LAST REVISION DATE PLOTTED => 4/6/2020
00-00-00 TIME PLOTTED => 7:19:33 PM

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	9	??

REGISTERED CIVIL ENGINEER DATE
 XX-XX-XX
 PLANS APPROVAL DATE

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



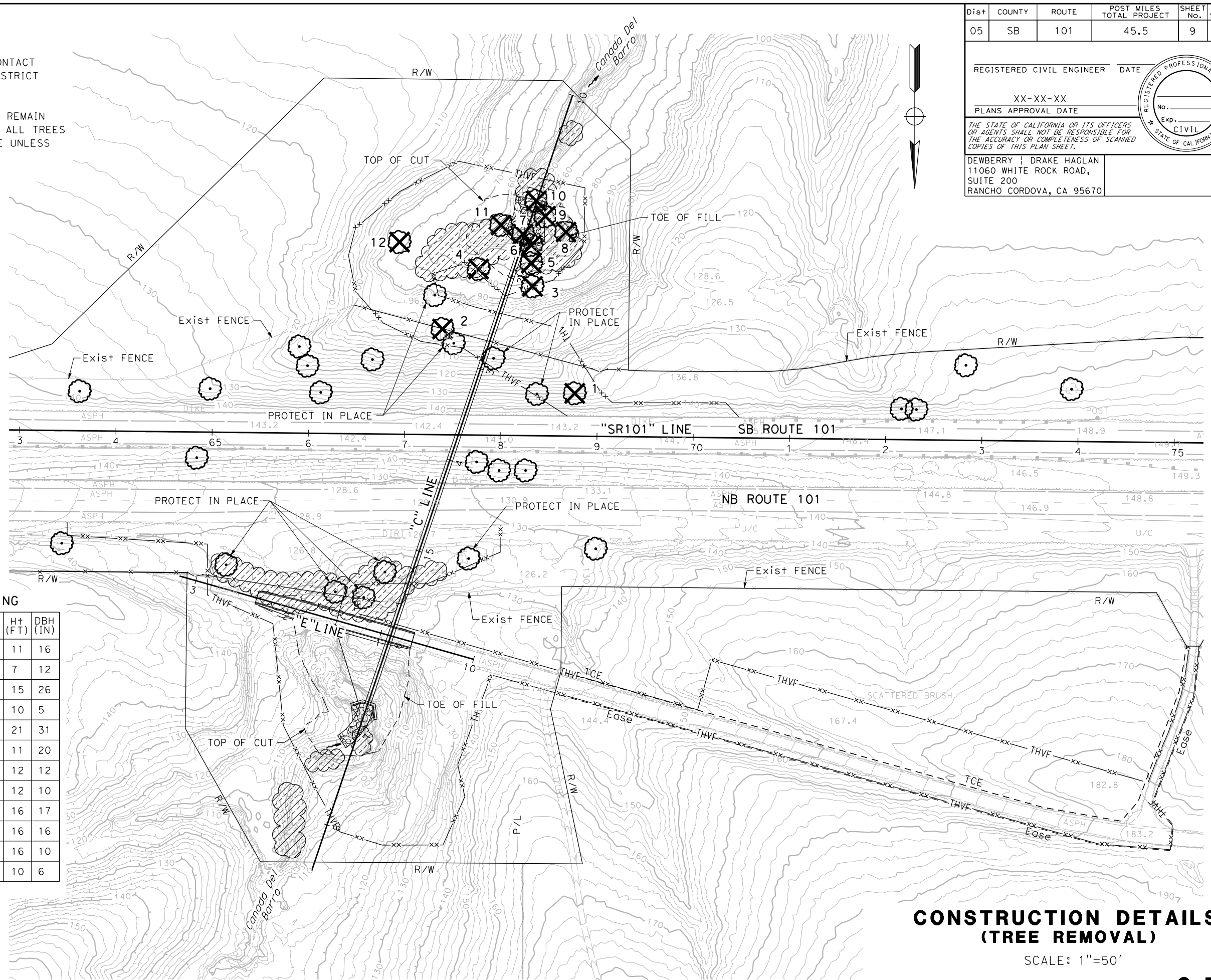
DEWBERRY + DRAKE HAGLAN
 11060 WHITE ROCK ROAD,
 SUITE 200
 RANCHO CORDOVA, CA 95670

NOTE:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- ALL TREES TO BE REMOVED AND/OR TO REMAIN SHALL BE VERIFIED BY THE ENGINEER. ALL TREES TO REMAIN TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.

LEGEND:

- REMOVE TREE
- ARROYO WILLOW THICKET (ALL TRUNKS < 4 INCH DBH)
- TREE
- ROCK SLOPE PROTECTION



TREES TO BE REMOVED WITHIN CLEARING AND GRUBBING

No.	SPECIES	TRUNK	H+ (FT)	DBH (IN)
1	SCHINUS MOLLE	MULTI	11	16
2	SCHINUS MOLLE	SINGLE	7	12
3	SCHINUS MOLLE	SINGLE	15	26
4	SAMBUCAS NIGRA	SINGLE	10	5
5	SCHINUS MOLLE	MULTI	21	31
6	SCHINUS MOLLE	SINGLE	11	20
7	SALIX LASIOLEPIS	SINGLE	12	12
8	SALIX LASIOLEPIS	MULTI	12	10
9	SALIX LASIOLEPIS	MULTI	16	17
10	SALIX LASIOLEPIS	MULTI	16	16
11	SALIX LASIOLEPIS	SINGLE	16	10
12	SCHINUS MOLLE	SINGLE	10	6

CONSTRUCTION DETAILS (TREE REMOVAL)

SCALE: 1"=50'

C-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 F. JOSE SILVA
 CONSULTANT FUNCTIONAL SUPERVISOR
 CHECKED BY
 CALCULATED-DESIGNED BY
 JOSE SILVA
 GUOWEI LI
 REVISED BY
 DATE REVISIED

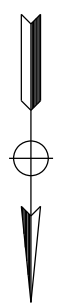
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	10	??

REGISTERED CIVIL ENGINEER DATE
 XX-XX-XX
 PLANS APPROVAL DATE

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 11060 WHITE ROCK ROAD,
 SUITE 200
 RANCHO CORDOVA, CA 95670



NOTE:

FOR ACCURATE RIGHT OF WAY DATA,
 CONTACT RIGHT OF WAY ENGINEERING
 AT THE DISTRICT OFFICE.

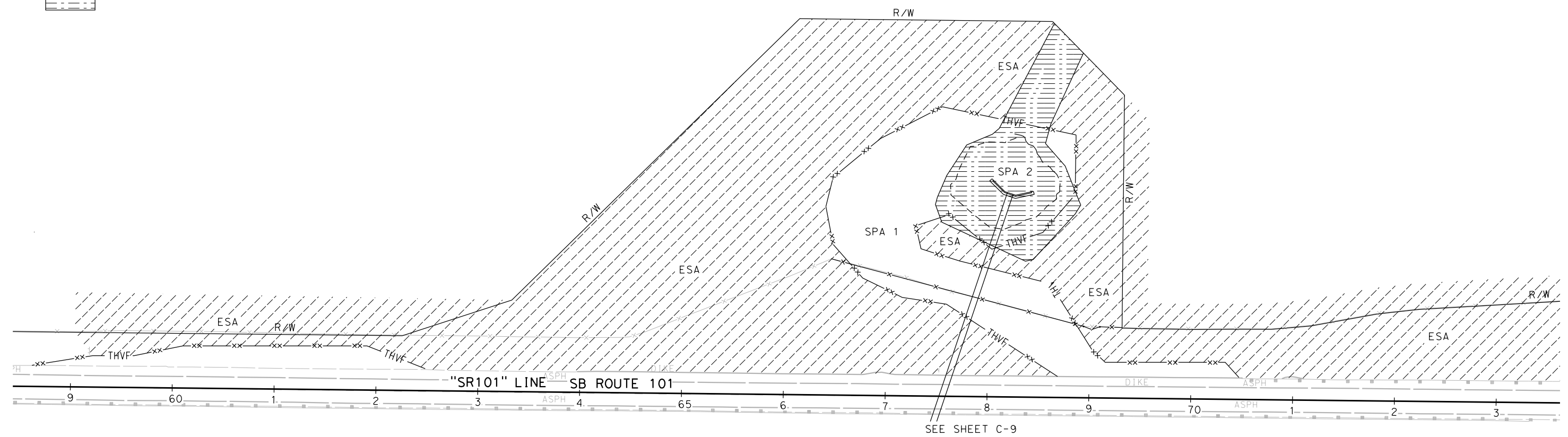
ABBREVIATIONS:

SPA # SPECIES PROTECTION AREA

LEGEND:

- ESA ENVIRONMENTALLY SENSITIVE AREA
- SPA 2 SPECIES PROTECTION AREA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 CONSULTANT FUNCTIONAL SUPERVISOR F. JOSE SILVA
 CALCULATED-DESIGNED BY CHECKED BY
 GUOWEI LI JOSE SILVA
 REVISED BY DATE
 REVISIONS: 00-00-00



**CONSTRUCTION DETAILS
 (SPECIES PROTECTION AREA)**

SCALE: 1"=50'

C-8

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	11	??

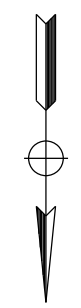
REGISTERED CIVIL ENGINEER DATE
 XX-XX-XX
 PLANS APPROVAL DATE

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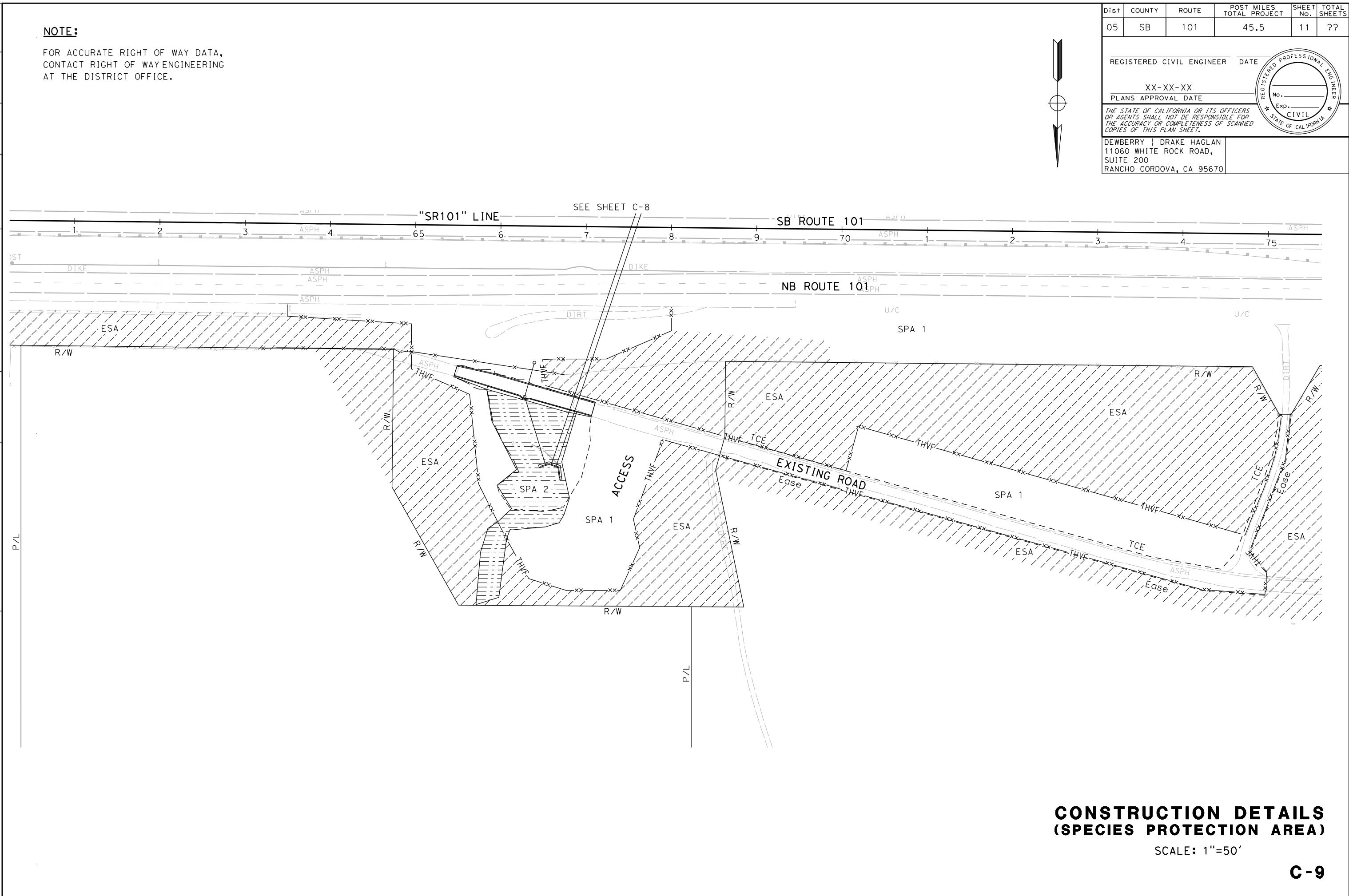


DEWBERRY | DRAKE HAGLAN
 11060 WHITE ROCK ROAD,
 SUITE 200
 RANCHO CORDOVA, CA 95670

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA,
 CONTACT RIGHT OF WAY ENGINEERING
 AT THE DISTRICT OFFICE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans



**CONSTRUCTION DETAILS
 (SPECIES PROTECTION AREA)**

SCALE: 1"=50'

C-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 CONSULTANT FUNCTIONAL SUPERVISOR: F. JOSE SILVA
 CALCULATED-DESIGNED BY: CHECKED BY:
 GUOWEI LI JOSE SILVA
 REVISED BY: DATE REVISED:

NOTE:
 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 2. CONTOUR INTERVAL:
 5' MAJOR CONTOUR INTERVAL
 1' MINOR CONTOUR INTERVAL
 EXISTING CONTOUR INTERVAL:
 10' MAJOR CONTOUR INTERVAL
 2' MINOR CONTOUR INTERVAL

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	12	??

REGISTERED CIVIL ENGINEER DATE: XX-XX-XX
 PLANS APPROVAL DATE: XX-XX-XX
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 DEWBERRY | DRAKE HAGLAN
 11060 WHITE ROCK ROAD,
 SUITE 200
 RANCHO CORDOVA, CA 95670



SEE SHEET G-2

APPROVED FOR CONTOUR GRADING WORK ONLY

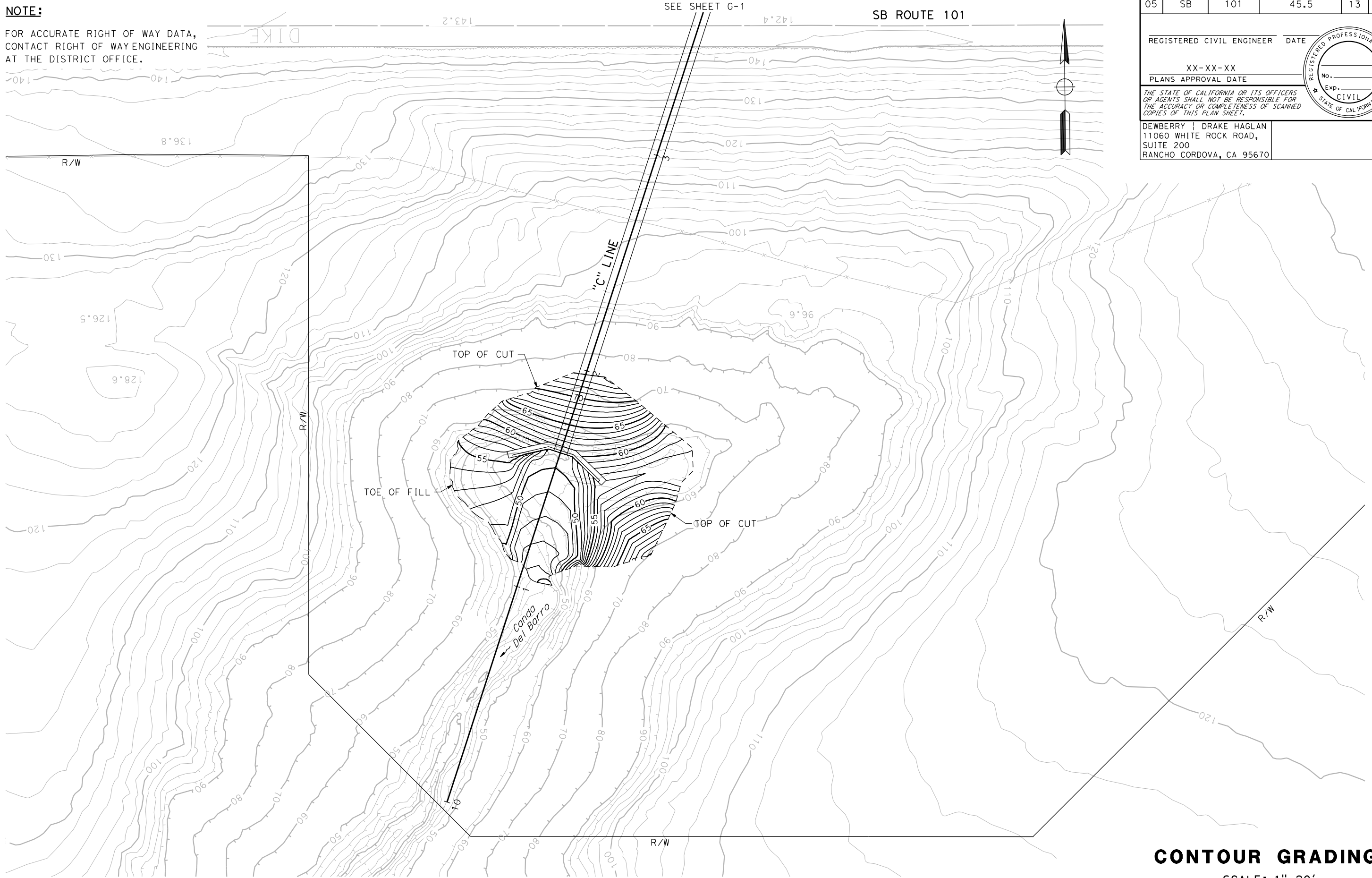
CONTOUR GRADING

SCALE: 1"=20'

G-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 CONSULTANT FUNCTIONAL SUPERVISOR: F. JOSE SILVA
 CALCULATED-DESIGNED BY: CHECKED BY:
 GUOWEI LI JOSE SILVA
 REVISED BY: DATE REVISED:

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA,
 CONTACT RIGHT OF WAY ENGINEERING
 AT THE DISTRICT OFFICE.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	13	??

REGISTERED CIVIL ENGINEER DATE
 XX-XX-XX
 PLANS APPROVAL DATE
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 SUITE 200
 RANCHO CORDOVA, CA 95670

APPROVED FOR CONTOUR GRADING WORK ONLY

CONTOUR GRADING

SCALE: 1"=20'

G-2

NOTE:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR DRAINAGE PLAN, SEE SHEET L-1.
3. STATION/OFFSET FOR DRAINAGE INLET IS TO CENTER OF GRATE.
4. VERIFY FIELD CONDITIONS PRIOR TO CONSTRUCTION.
5. FOR SLOPE PROTECTION, SEE DRAINAGE DETAILS.
6. FOR DRAINAGE INLET DETAILS, SEE CALTRANS STANDARD PLANS.
7. FOR HEADWALLS, SEE DRAINAGE DETAILS AND CALTRANS STANDARD PLANS.

LEGEND:

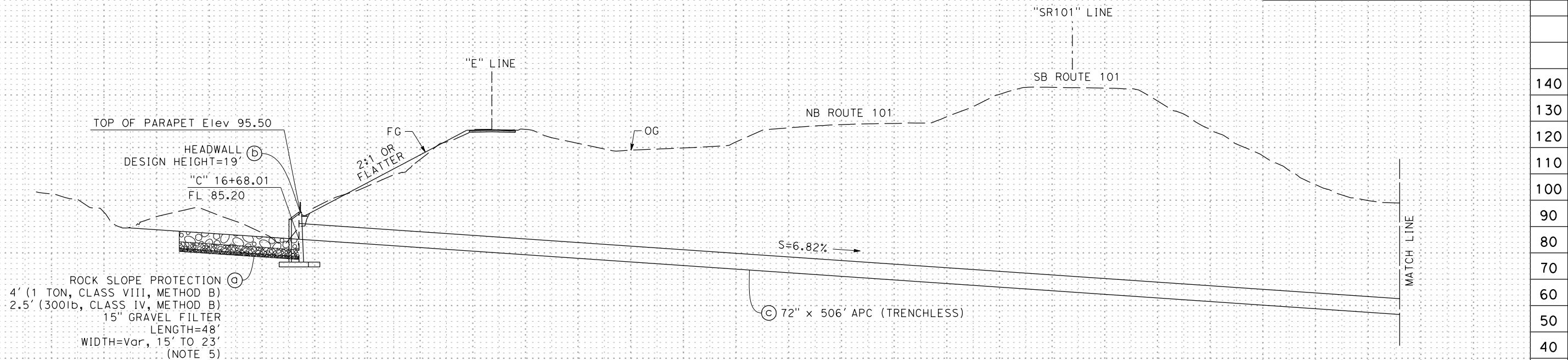
- DRAINAGE SYSTEM NUMBER
- DRAINAGE ITEM
- GRAVEL FILTER
- ROCK SLOPE PROTECTION (RSP)
- ROCK SLOPE PROTECTION (RSP)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	14	??

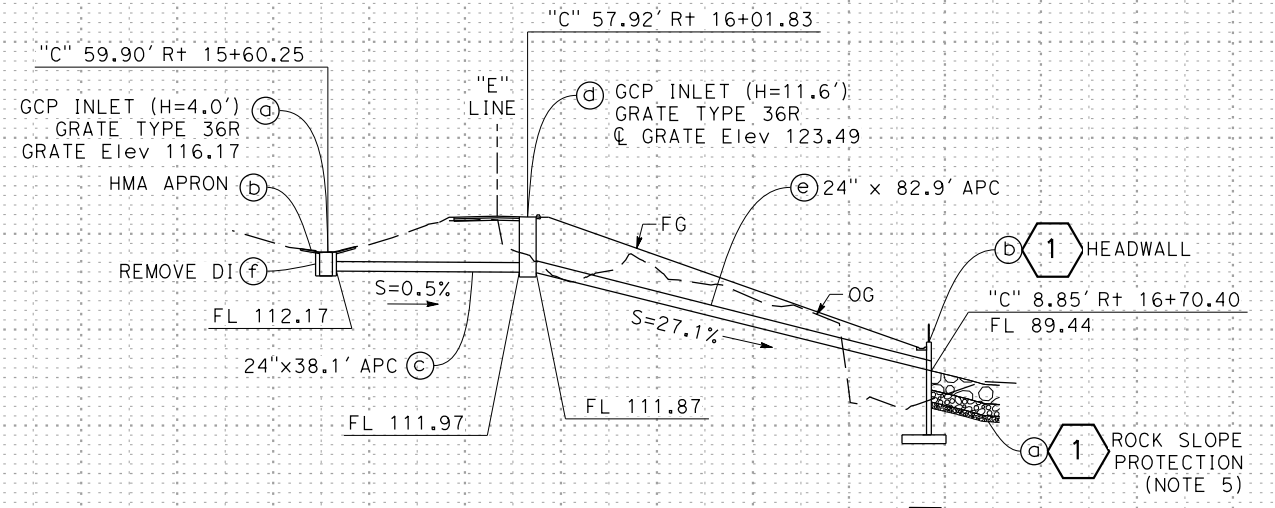
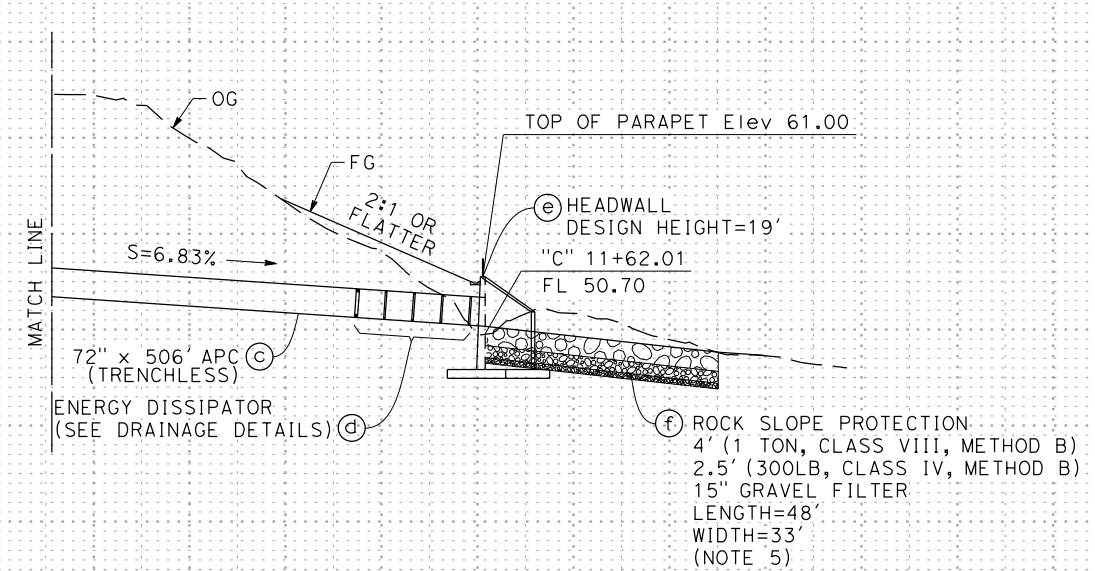
REGISTERED CIVIL ENGINEER DATE
XX-XX-XX
PLANS APPROVAL DATE

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11060 WHITE ROCK ROAD,
SUITE 200
RANCHO CORDOVA, CA 95670



DRAINAGE SYSTEM No. 1



DRAINAGE SYSTEM No. 2

DRAINAGE PROFILE

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

DP-1

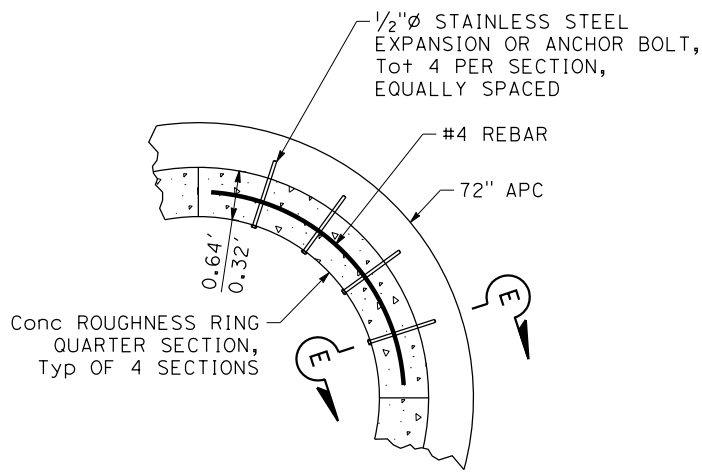
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	REVISOR	DATE
	F. JOSE SILVA	JOSE SILVA	GUOWEI LI	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	15	??

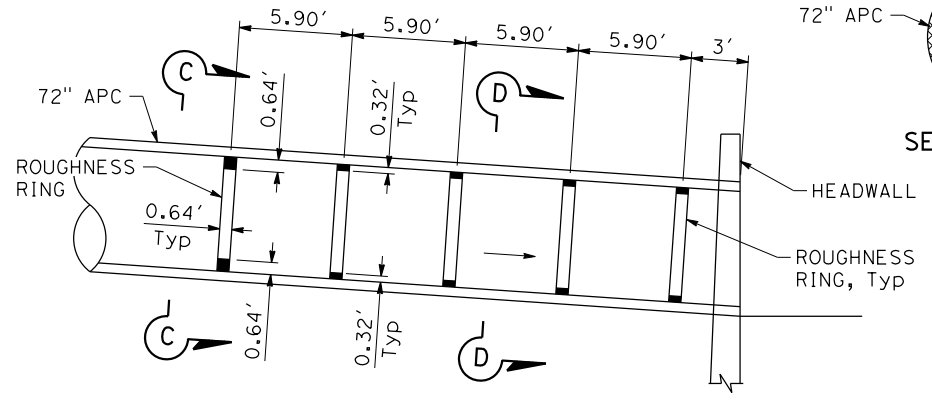
REGISTERED CIVIL ENGINEER	DATE
XX-XX-XX	
PLANS APPROVAL DATE	

DEWBERRY DRAKE HAGLAN 11060 WHITE ROCK ROAD, SUITE 200 RANCHO CORDOVA, CA 95670
--

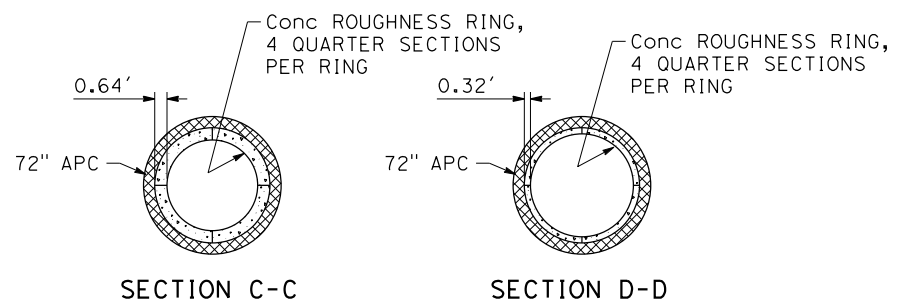
NOTE:
FOR HEADWALL DETAILS, SEE DRAINAGE DETAILS SHEETS DD-3, DD-4, DD-5, AND DD-6.



ENERGY DISSIPATOR ROUGHNESS RING QUARTER SECTION

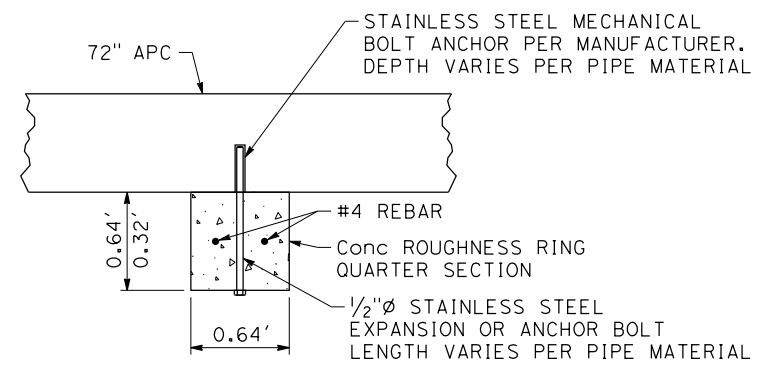


ENERGY DISSIPATOR ROUGHNESS RING LAYOUT



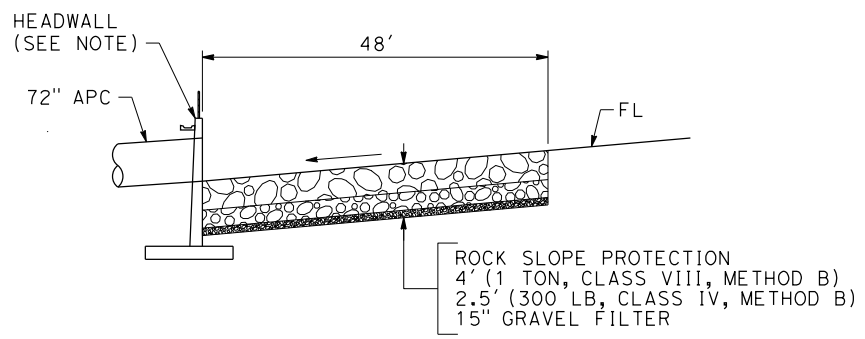
SECTION C-C

SECTION D-D

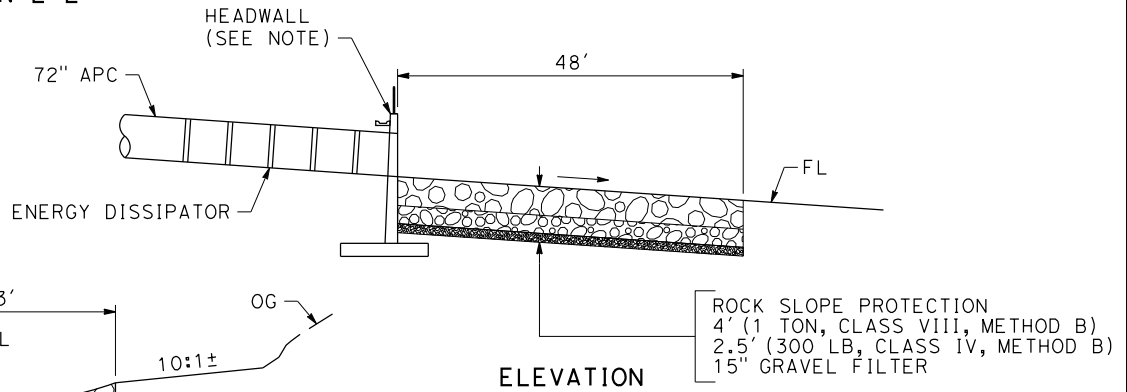


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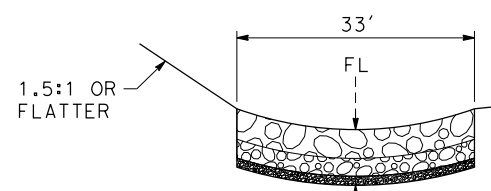
ENERGY DISSIPATOR 1
"C" 11+62.79



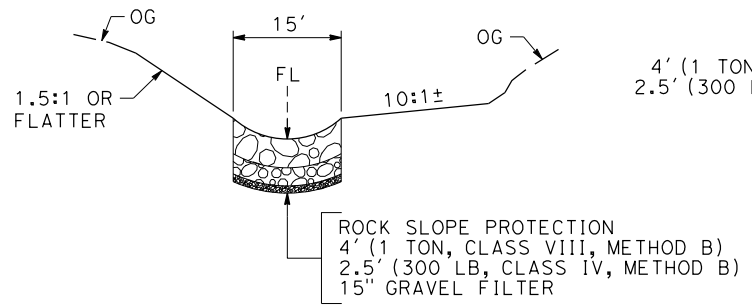
ELEVATION



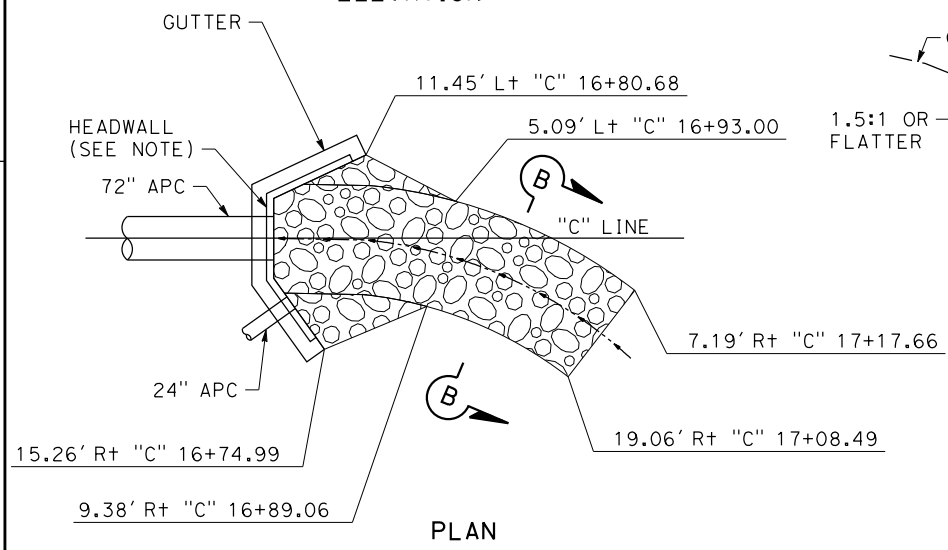
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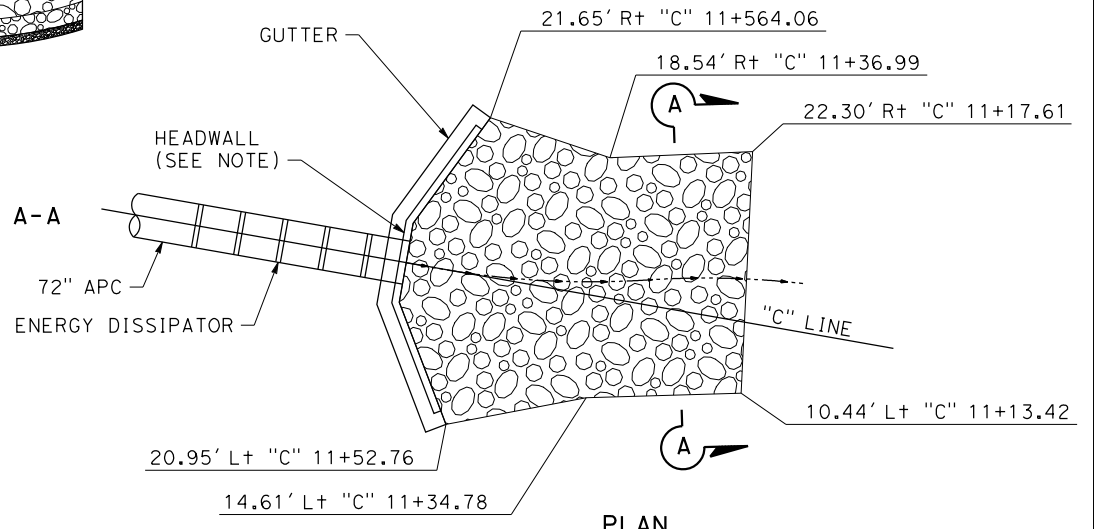
SECTION A-A



SECTION B-B



PLAN



PLAN

ROCK SLOPE PROTECTION 1
"C" 16+68.01

ROCK SLOPE PROTECTION 1
"C" 11+62.01

DRAINAGE DETAILS

NO SCALE

DD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans


REVISED BY
DATE

GUOWEI LI
JOSE SILVA

CALCULATED-DESIGNED BY
CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR
F. JOSE SILVA

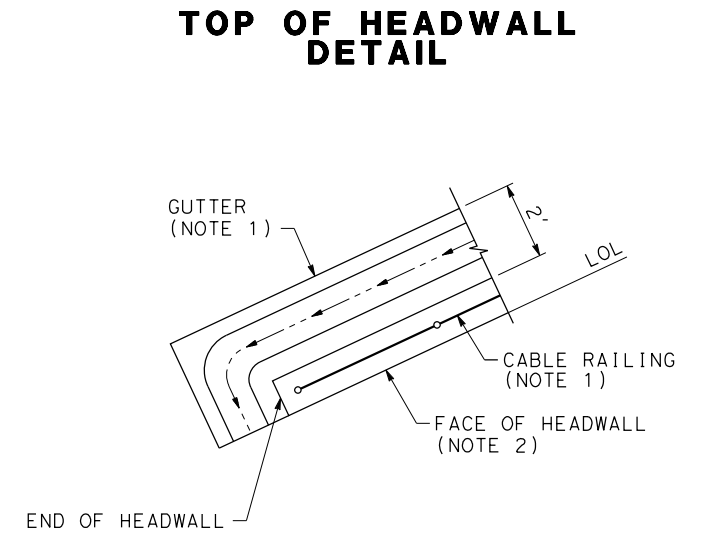
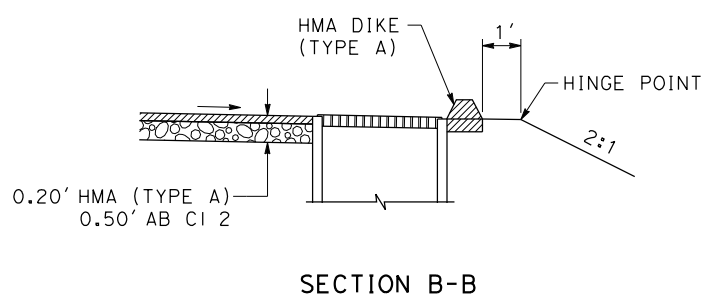
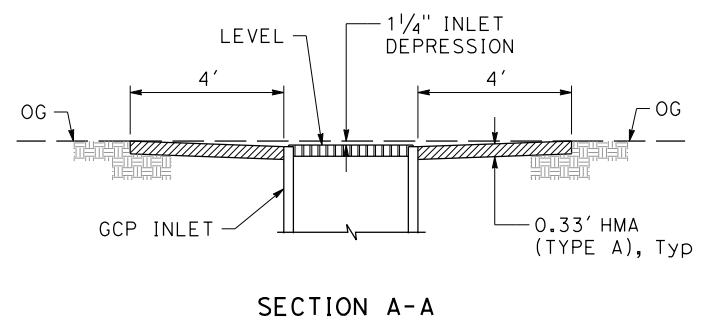
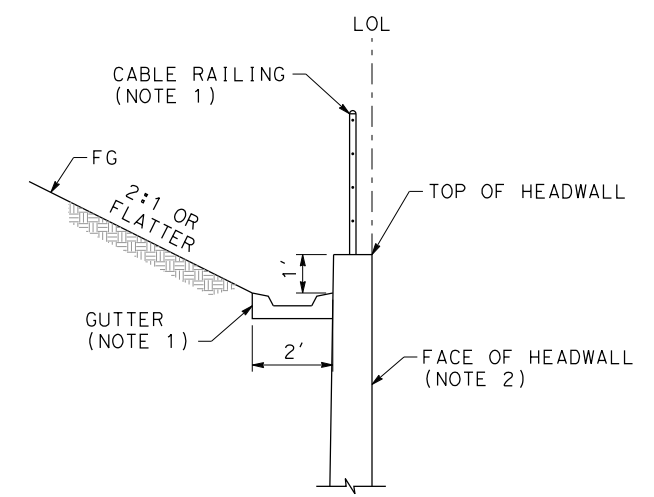
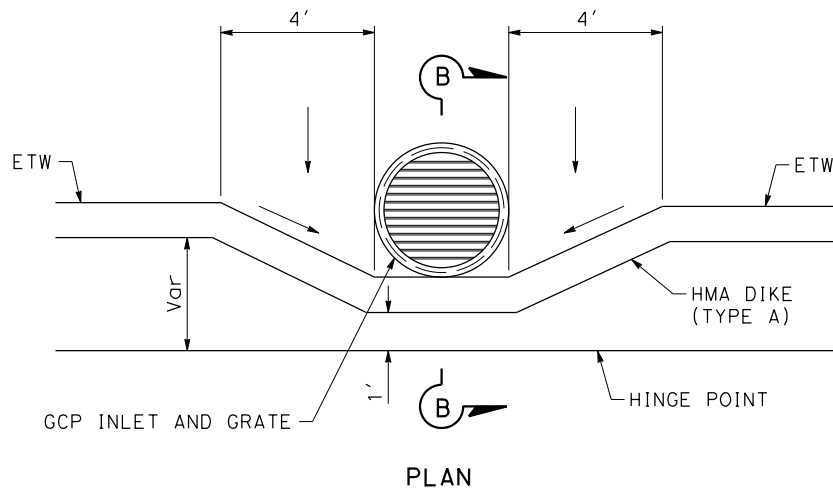
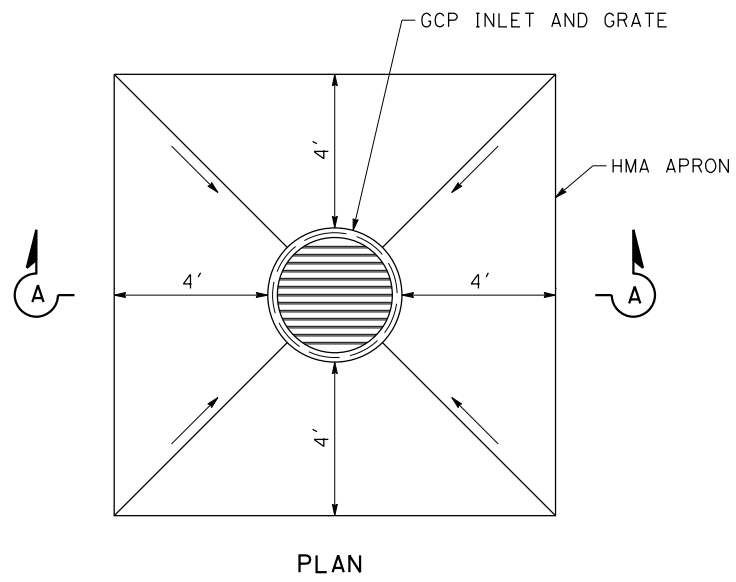
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	16	??
REGISTERED CIVIL ENGINEER			DATE		
XX-XX-XX			PLANS APPROVAL DATE		
					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
DEWBERRY DRAKE HAGLAN 11060 WHITE ROCK ROAD, SUITE 200 RANCHO CORDOVA, CA 95670					

NOTES:

- FOR GUTTER AND CABLE RAILING DETAILS, SEE CALTRANS STANDARD PLANS.
- FOR HEADWALL DETAILS, SEE DRAINAGE DETAILS SHEETS DD-3, DD-4, DD-5, AND DD-6.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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CALCULATED/DESIGNED BY: GUOWEI LI
CHECKED BY: JOSE SILVA
REVISOR: JOSE SILVA
DATE: [REDACTED]



HMA APRON 2^b
"C" 59.90' L+ 15+60.25

INLET DETAIL 2^d
"C" 57.92' L+ 16+01.83

DRAINAGE DETAILS

NO SCALE

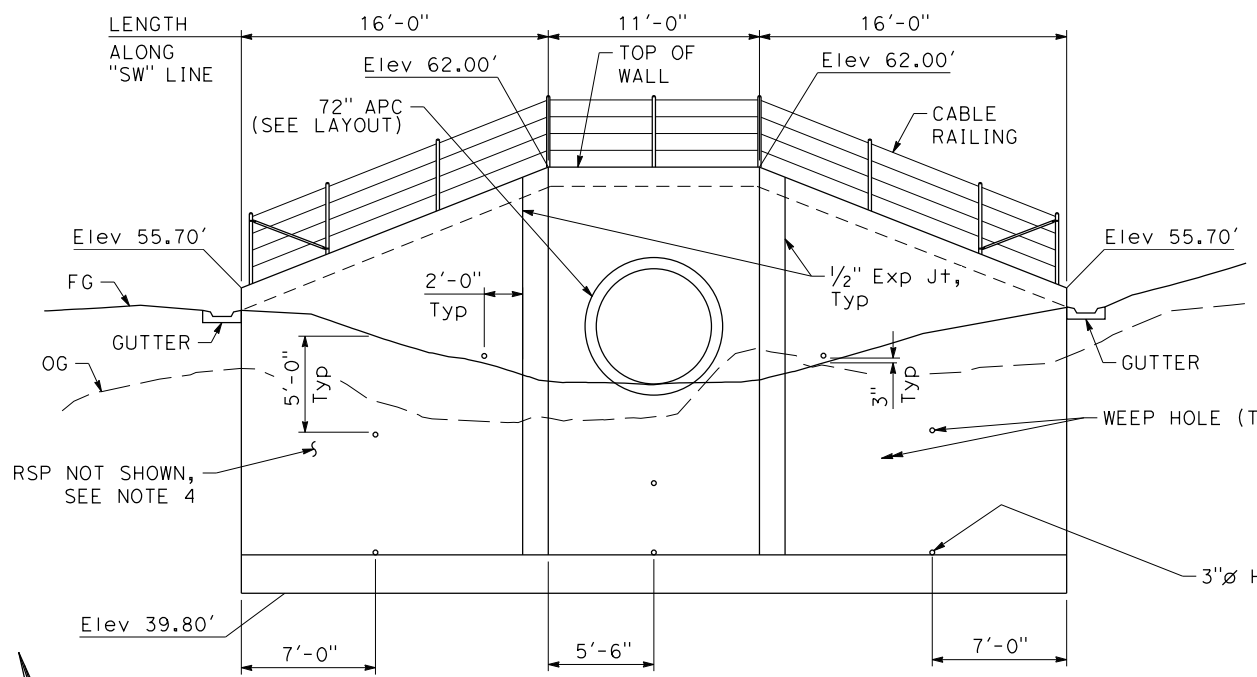
DD-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	17	??

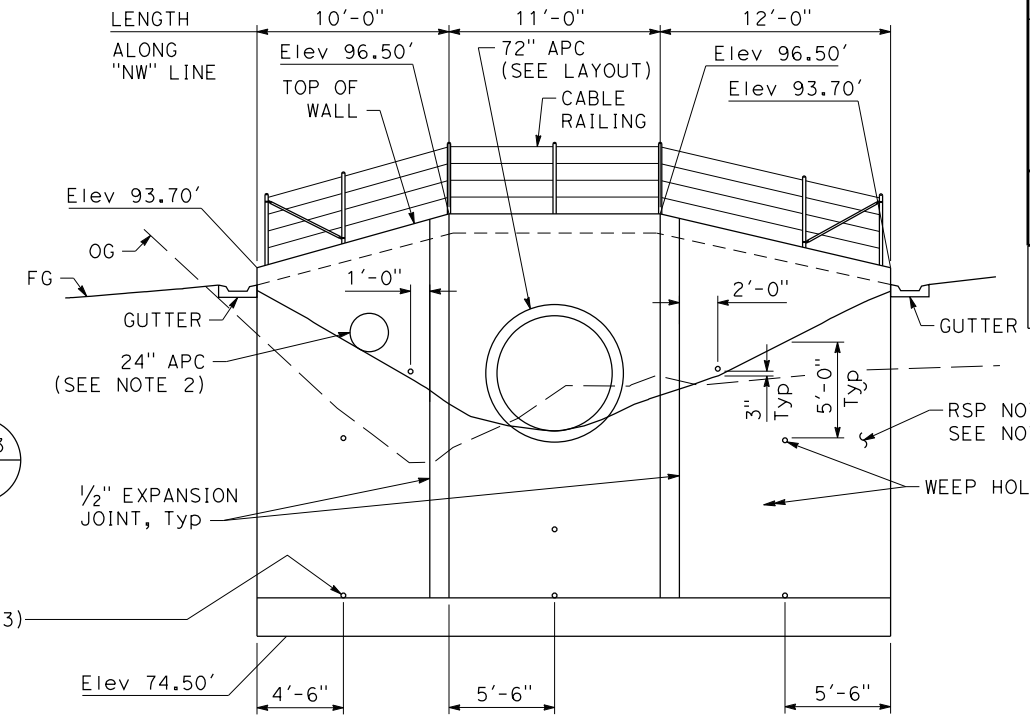
REGISTERED CIVIL ENGINEER DATE
 XX-XX-XX
 PLANS APPROVAL DATE

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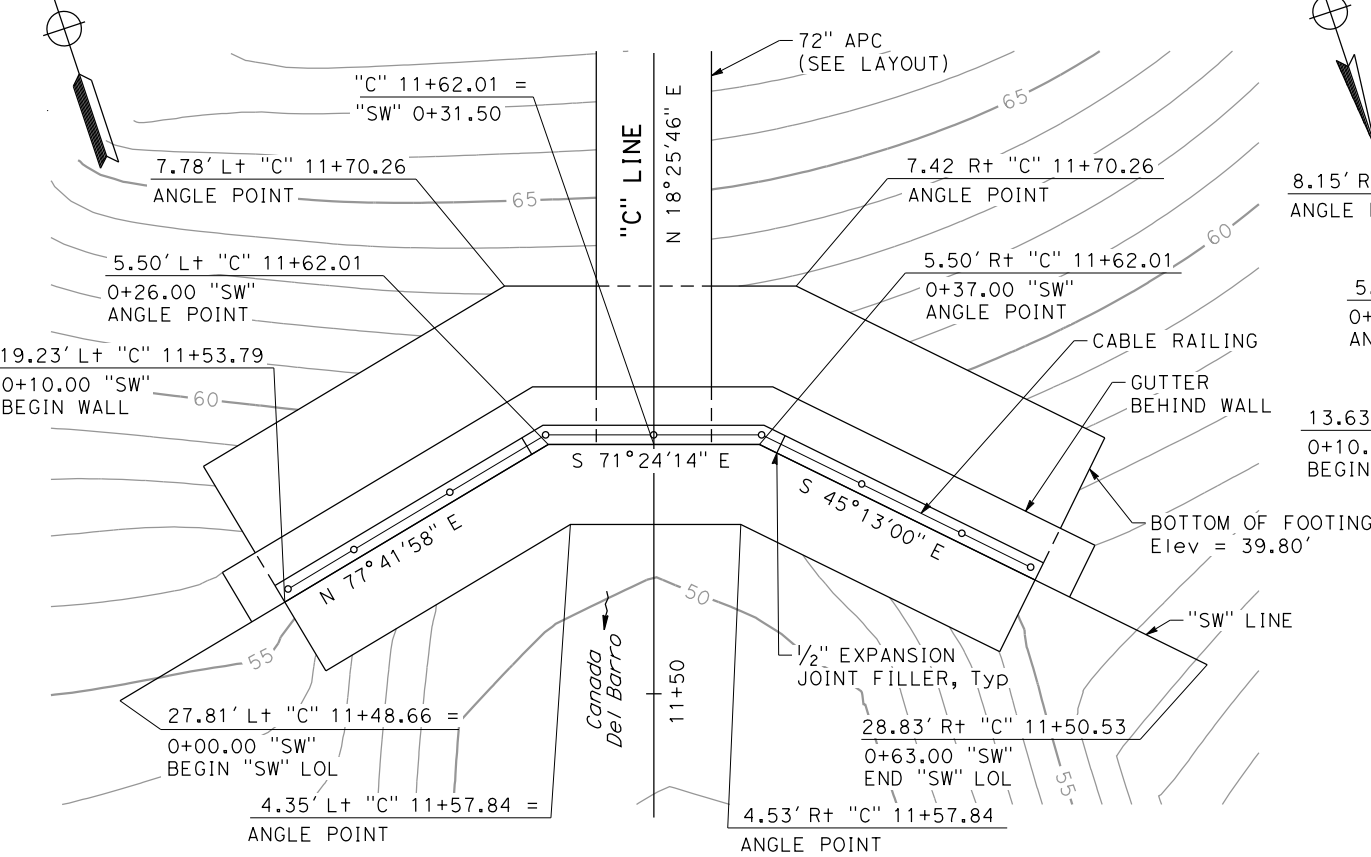
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 11060 WHITE ROCK ROAD,
 SUITE 200
 RANCHO CORDOVA, CA 95670



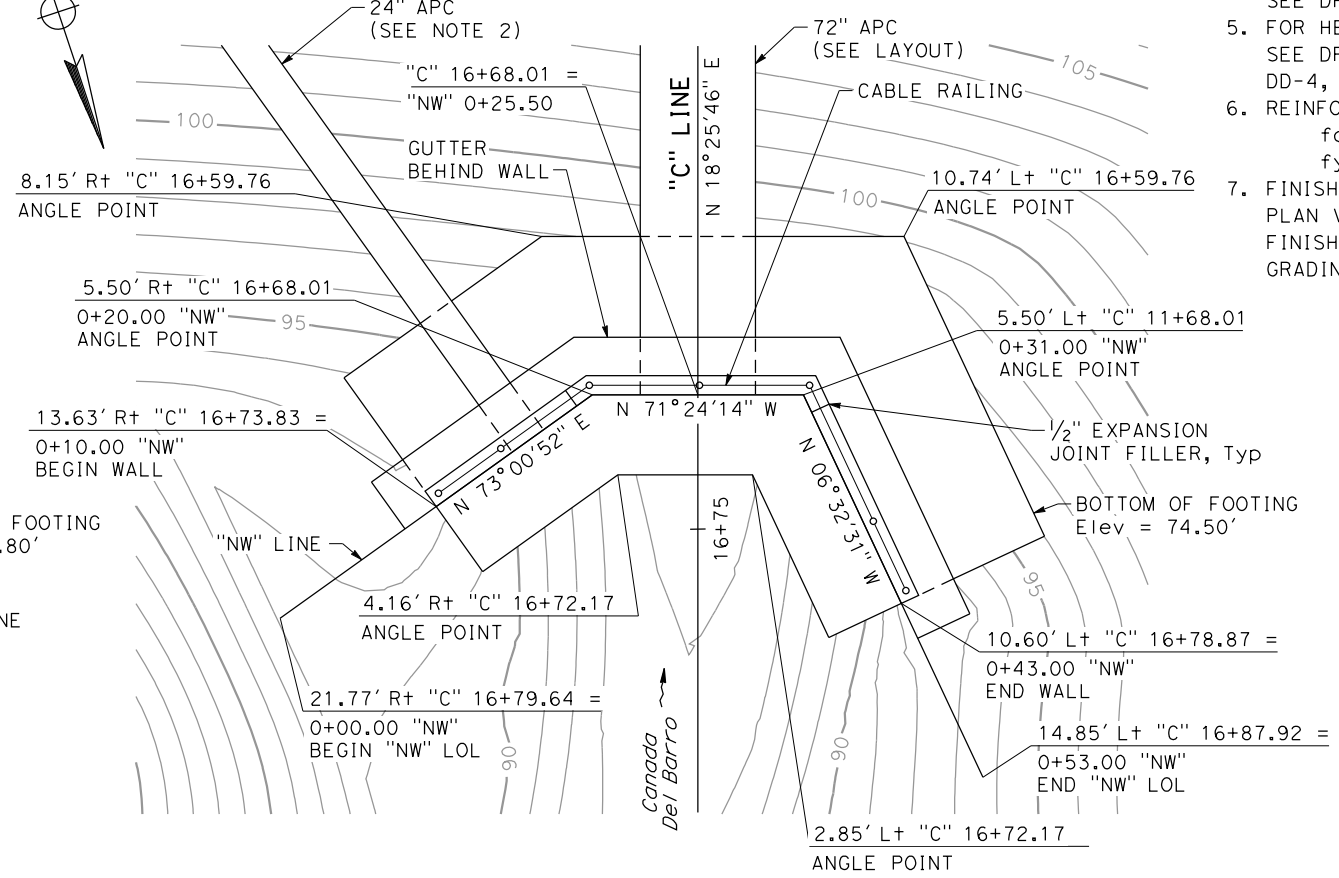
DEVELOPED ELEVATION



DEVELOPED ELEVATION



PLAN



PLAN

OUTLET HEADWALL DRAINAGE SYSTEM No. 1
 SCALE: 1"=5'

INLET HEADWALL DRAINAGE SYSTEM No. 1
 SCALE: 1"=5'

DRAINAGE DETAILS
 AS SHOWN

DD-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 CONSULTANT FUNCTIONAL SUPERVISOR: F. JOSE SILVA
 CALCULATED/DESIGNED BY: GUOWEI LI
 CHECKED BY: JOSE SILVA
 REVISED BY: DATE
 REVISIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

DATE PLOTTED => 4/6/2020
 TIME PLOTTED => 7:19:44 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	18	??

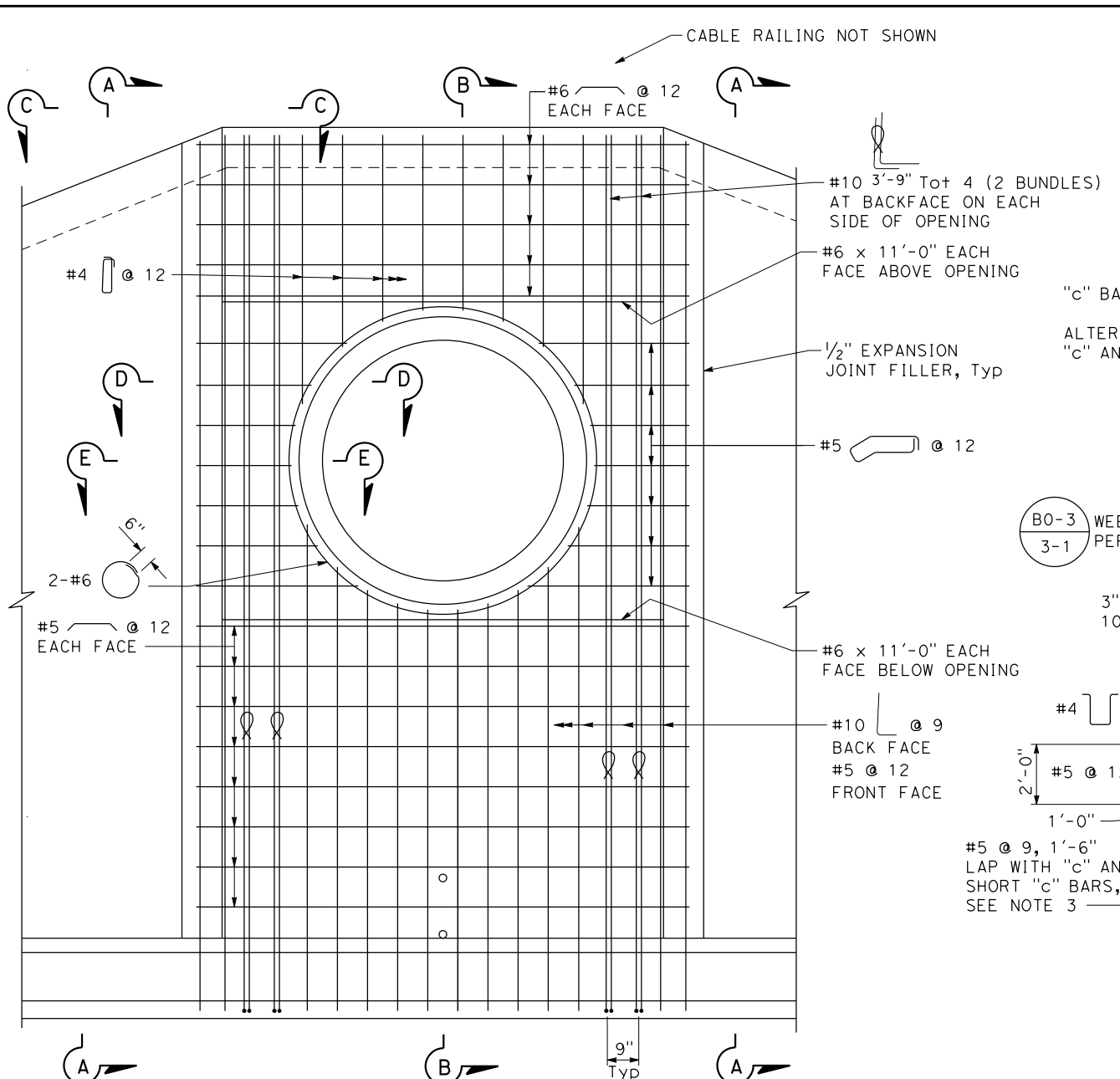
REGISTERED CIVIL ENGINEER	DATE
XX-XX-XX	
PLANS APPROVAL DATE	

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

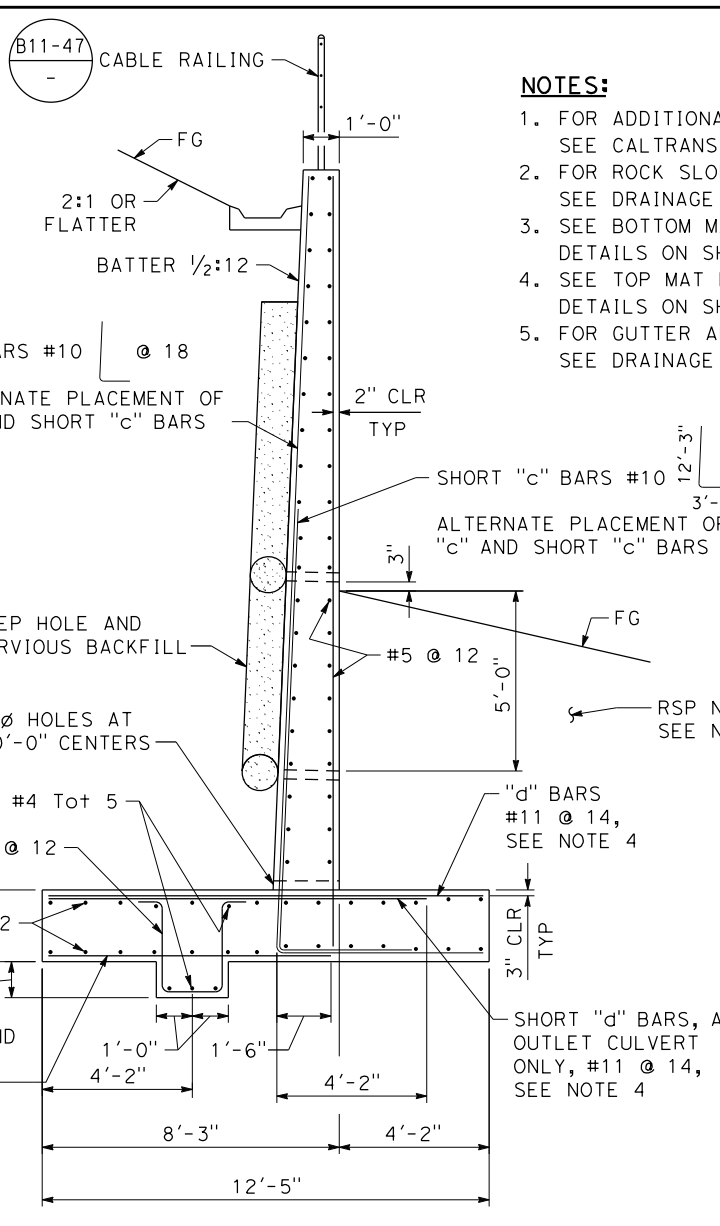
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SUITE 200
RANCHO CORDOVA, CA 95670



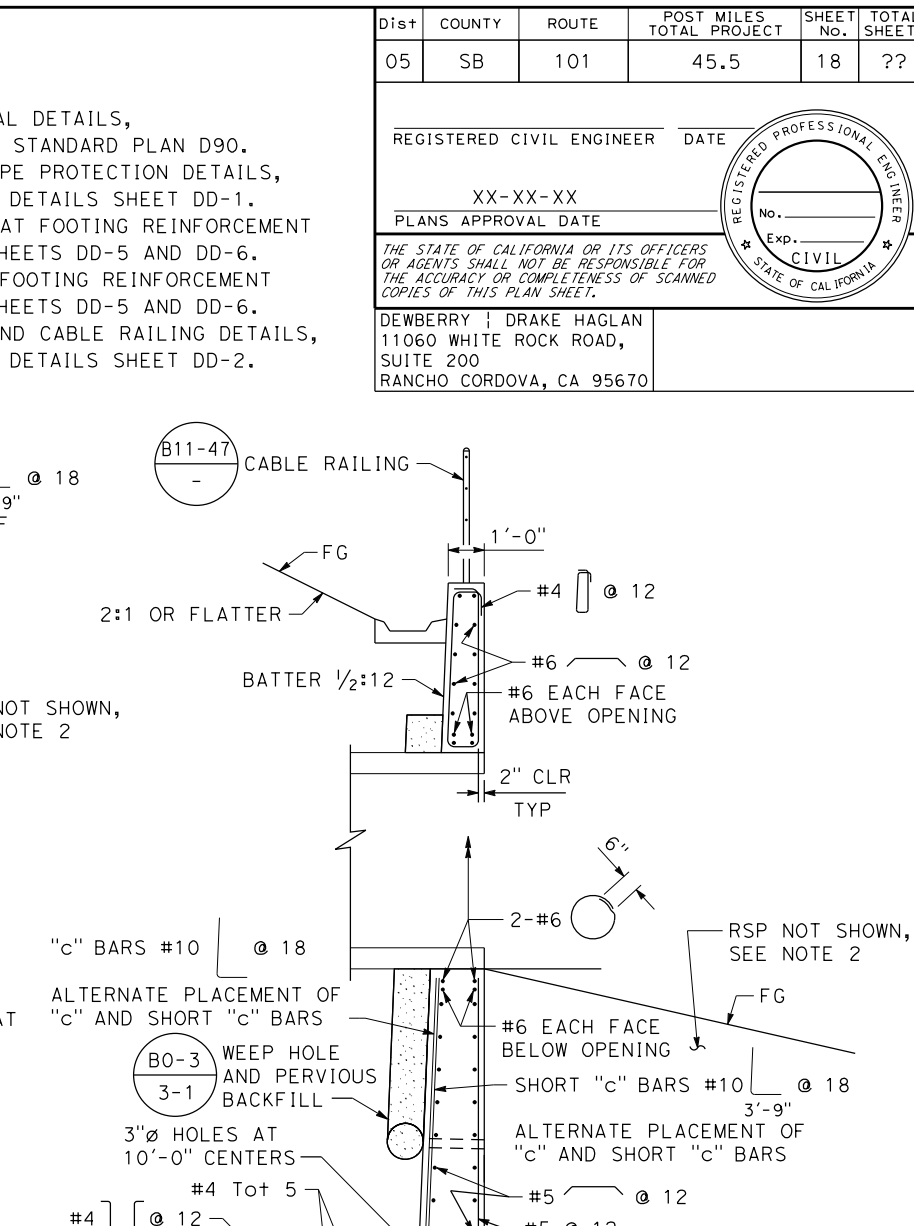
- NOTES:**
- FOR ADDITIONAL DETAILS, SEE CALTRANS STANDARD PLAN D90.
 - FOR ROCK SLOPE PROTECTION DETAILS, SEE DRAINAGE DETAILS SHEET DD-1.
 - SEE BOTTOM MAT FOOTING REINFORCEMENT DETAILS ON SHEETS DD-5 AND DD-6.
 - SEE TOP MAT FOOTING REINFORCEMENT DETAILS ON SHEETS DD-5 AND DD-6.
 - FOR GUTTER AND CABLE RAILING DETAILS, SEE DRAINAGE DETAILS SHEET DD-2.



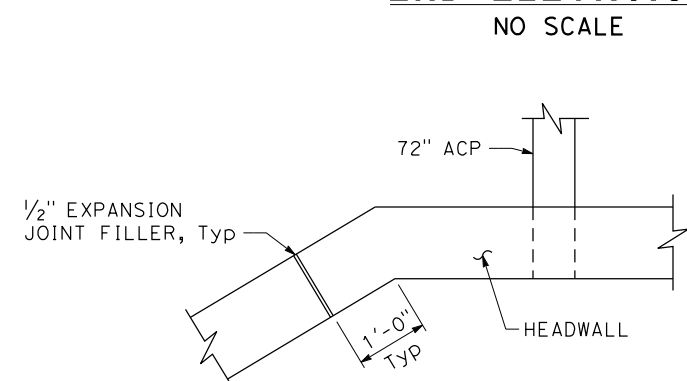
END ELEVATION
NO SCALE



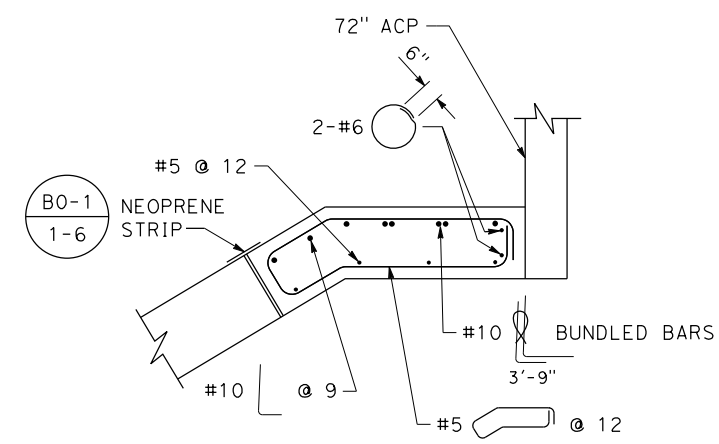
SECTION A-A
SCALE: 3/8"=1'-0"



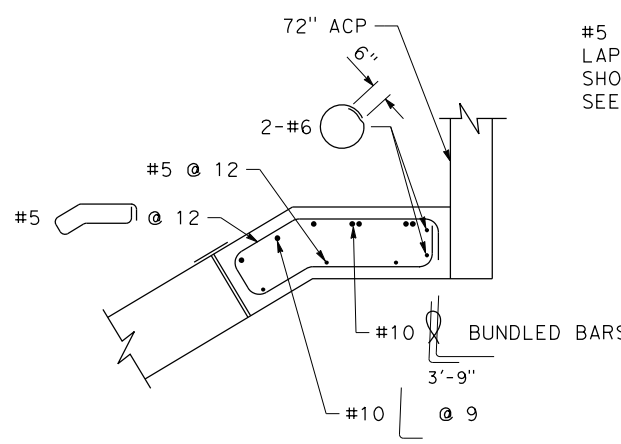
SECTION B-B
SCALE: 3/8"=1'-0"



PART VIEW C-C
SCALE: 3/4"=1'-0"



SECTION D-D
SCALE: 3/4"=1'-0"



SECTION E-E
SCALE: 3/4"=1'-0"

DRAINAGE DETAILS
AS SHOWN
DD-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 CONSULTANT FUNCTIONAL SUPERVISOR
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 CALCULATED-DESIGNED BY
 CHECKED BY
 GUOWEI LI
 JOSE SILVA
 REVISED BY
 DATE REVISED



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	19	??

REGISTERED CIVIL ENGINEER DATE
 XX-XX-XX
 PLANS APPROVAL DATE

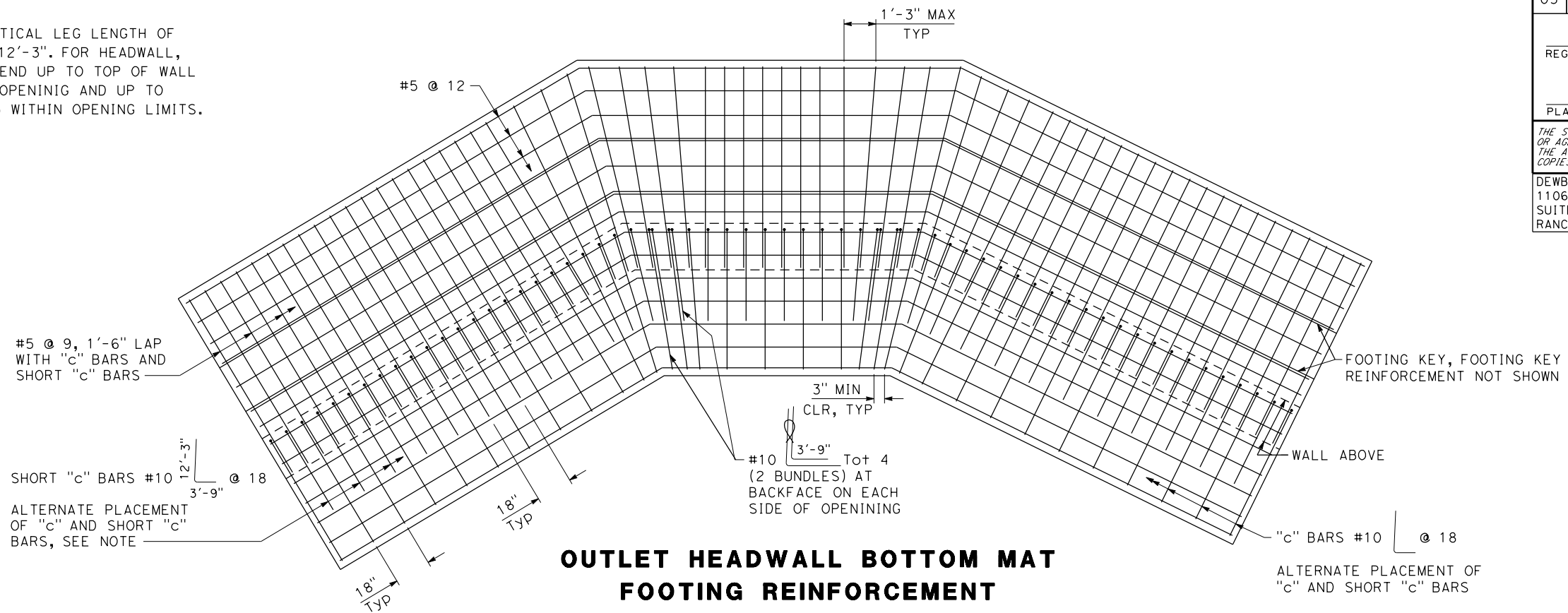


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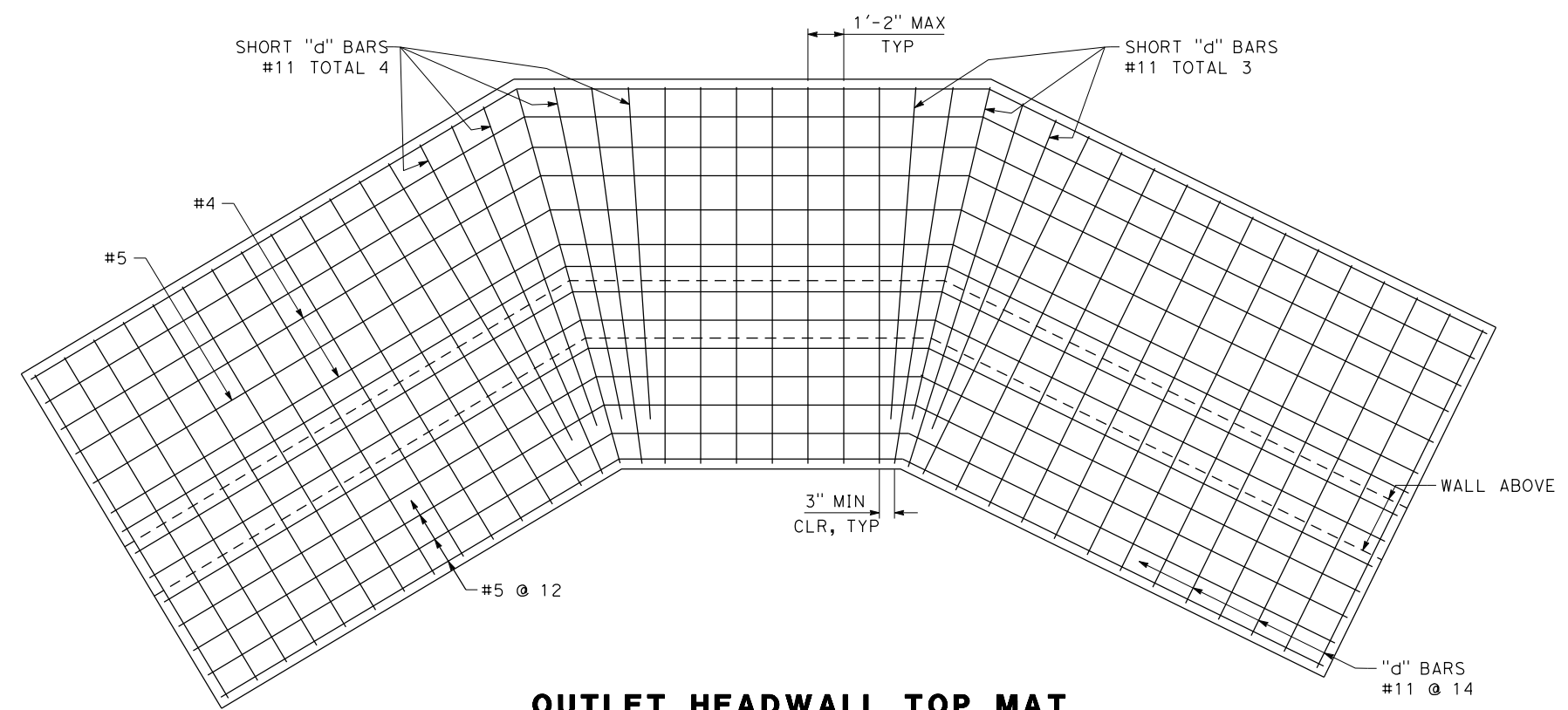
DEWBERRY | DRAKE HAGLAN
 11060 WHITE ROCK ROAD,
 SUITE 200
 RANCHO CORDOVA, CA 95670

NOTE:

FOR WINGWALLS, VERTICAL LEG LENGTH OF SHORT "c" BARS IS 12'-3". FOR HEADWALL, SHORT "c" BARS EXTEND UP TO TOP OF WALL OUTSIDE LIMITS OF OPENING AND UP TO BOTTOM OF OPENING WITHIN OPENING LIMITS.



OUTLET HEADWALL BOTTOM MAT FOOTING REINFORCEMENT



OUTLET HEADWALL TOP MAT FOOTING REINFORCEMENT

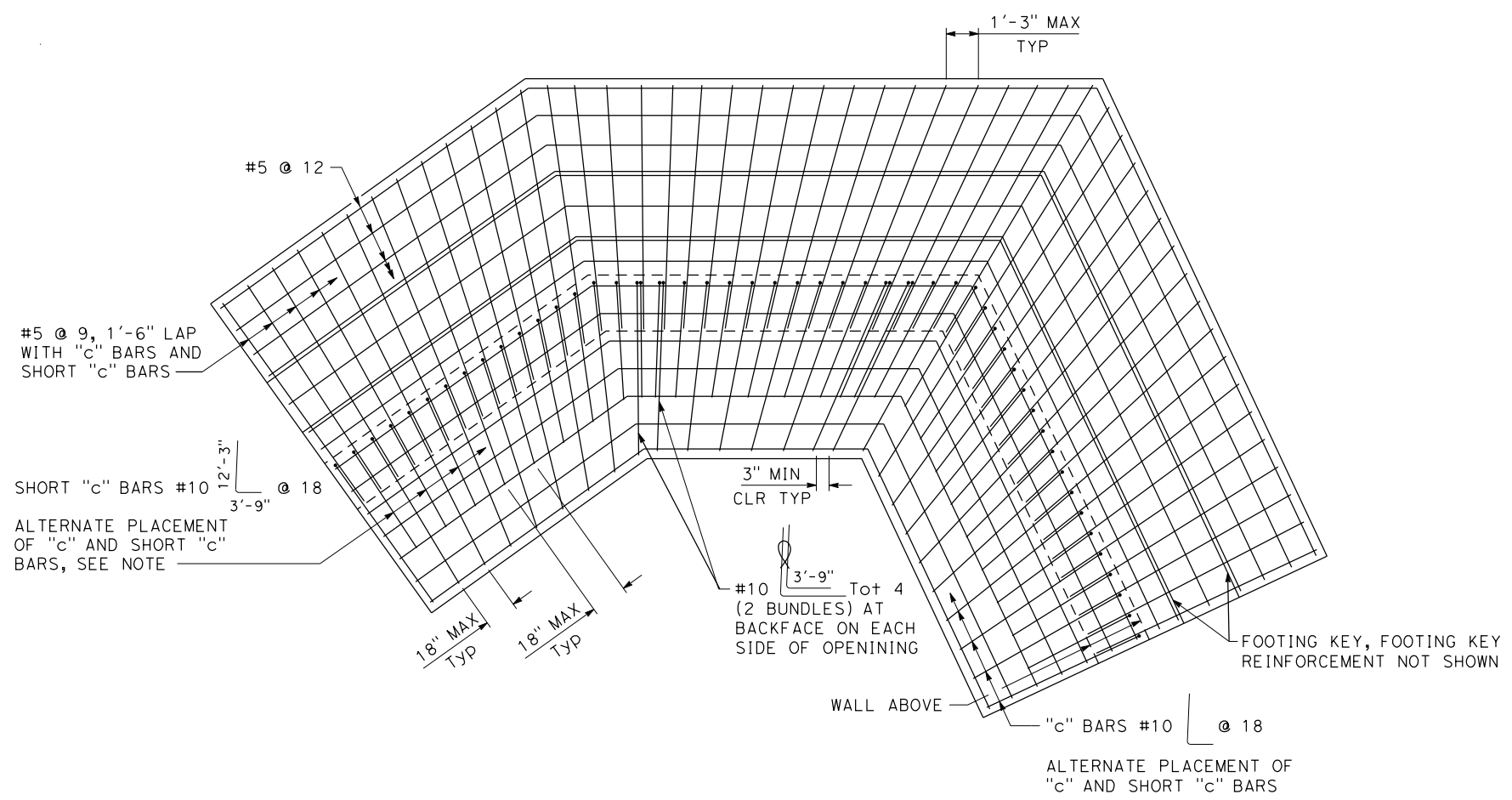
DRAINAGE DETAILS

SCALE: 3/8"=1'-0"

DD-5

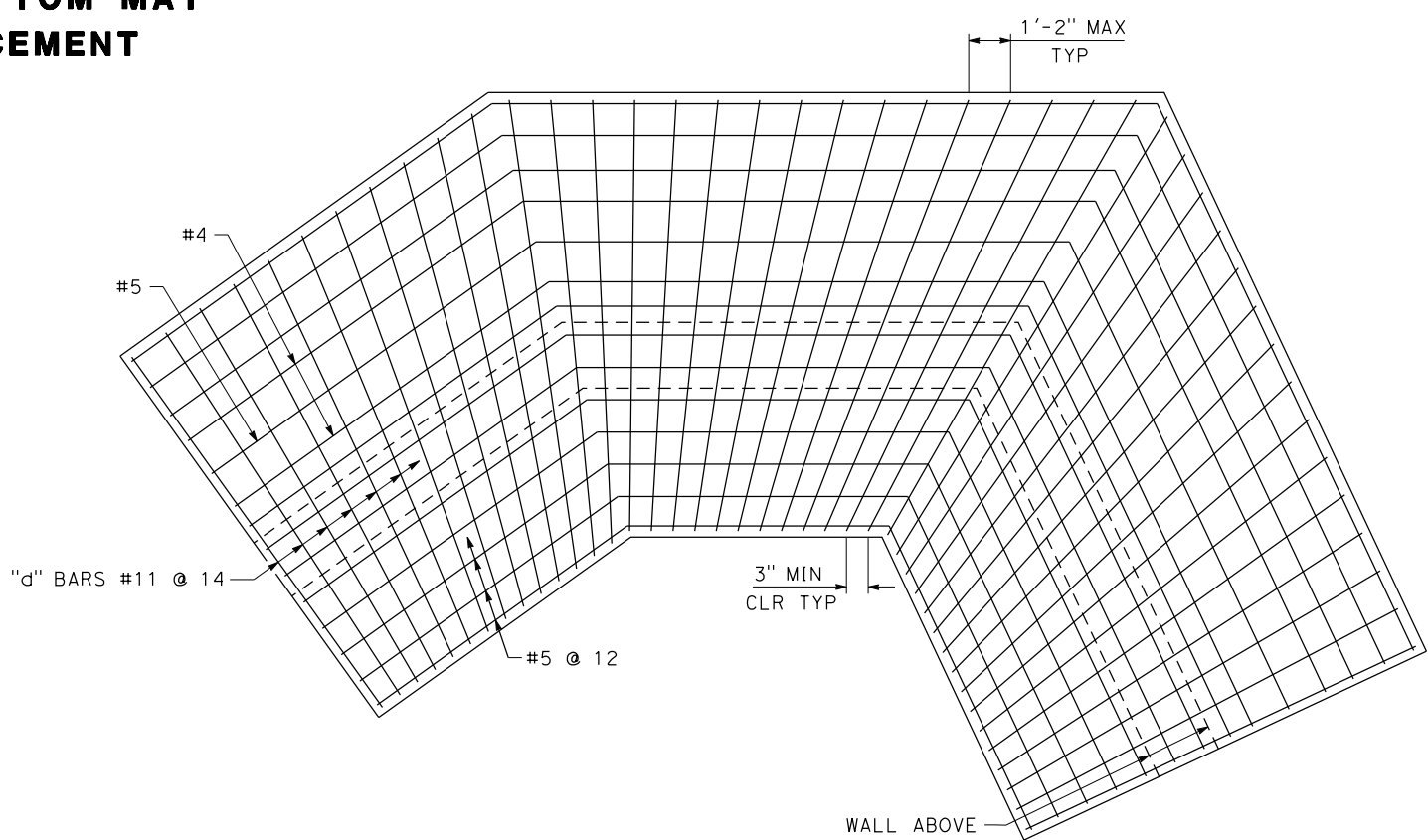
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
Caltrans	F. JOSE SILVA	CHECKED BY	DATE
		GUOWEI LI	JOSE SILVA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
Caltrans	F. JOSE SILVA	CHECKED BY	GUOWEI LI	JOSE SILVA
			REVISED BY	DATE
			REVISED BY	DATE



INLET HEADWALL BOTTOM MAT FOOTING REINFORCEMENT

NOTE:
 FOR WINGWALLS, VERTICAL LEG LENGTH OF SHORT "c" BARS IS 12'-3". FOR HEADWALL, SHORT "c" BARS EXTEND UP TO TOP OF WALL OUTSIDE LIMITS OF OPENING AND UP TO BOTTOM OF OPENING WITHIN OPENING LIMITS.



INLET HEADWALL TOP MAT FOOTING REINFORCEMENT

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	20	??
REGISTERED CIVIL ENGINEER DATE					
XX-XX-XX					
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
DEWBERRY DRAKE HAGLAN 11060 WHITE ROCK ROAD, SUITE 200 RANCHO CORDOVA, CA 95670					

DRAINAGE DETAILS
 SCALE: 3/8"=1'-0"
DD-6

LAST REVISION DATE PLOTTED => 4/6/2020 00-00-00 TIME PLOTTED => 7:19:47 PM

ALTERNATIVE PIPE CULVERTS

ABBREVIATIONS:

- AL2 ALUMINIZED STEEL (TYPE 2)
- BC BITUMINOUS - COATED
- BCI BITUMINOUS - COATED INVERT
- GAL PLAIN GALVANIZED
- PA POLYMERIZED ASPHALT INVERT
- PS POLYMERIZED SHEET - COATED

72" APC			24" APC		
PIPE TYPE	COAT	MINIMUM THICKNESS (INCH)	PIPE TYPE	COAT	MINIMUM THICKNESS (INCH)
CSP - HELICAL CORRUGATIONS 2 2/3" x 1/2" CORRUGATIONS	GAL, AL2, BC, BCI, PA, PS	0.168	CSP - HELICAL CORRUGATIONS 2 2/3" x 1/2" CORRUGATIONS	PA, PS	0.079
CSP - HELICAL CORRUGATIONS 3" x 1" CORRUGATIONS	GAL, AL2, BC, BCI, PA, PS	0.138	CSP - ANNULAR CORRUGATIONS 2 2/3" x 1/2" CORRUGATIONS	PA, PS	0.079
SSPP - 6" x 2" CORRUGATIONS	GAL, AL2, BC, BCI, PA, PS	0.168	SSRP - 3/4" x 1" RIBS AT 11 1/2" PITCH	GAL, AL2, BC, BCI PA, PS	0.109 0.079
SAPP - 9" x 2 1/2" CORRUGATIONS		0.2	SSRP - 3/4" x 1" RIBS AT 8 1/2" PITCH	GAL, AL2, BC, BCI PA, PS	0.109 0.079
			SSRP - 3/4" x 3/4" RIBS AT 7 1/2" PITCH	GAL, AL2, BC, BCI PA, PS	0.109 0.079
			CAP - ANNULAR CORRUGATIONS 2 2/3" x 1/2" CORRUGATIONS		0.06
			CAP - HELICAL CORRUGATIONS 2 2/3" x 1/2" CORRUGATIONS		0.06
			ASRP - 3/4" x 1" RIBS AT 11 1/2" PITCH		0.06
			ASRP - 3/4" x 3/4" RIBS AT 7 1/2" PITCH		0.06

REINFORCED CONCRETE PIPE (RCP)		
	72" APC	24" APC
STEEL COVER (INCHES)	1.5	1.5
SACKS OF CONCRETE	6	5
PERCENTAGE WATER	11.7	10

DRAINAGE QUANTITIES

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	21	??

REGISTERED CIVIL ENGINEER DATE

XX-XX-XX

PLANS APPROVAL DATE

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DEWBERRY | DRAKE HAGLAN
11060 WHITE ROCK ROAD,
SUITE 200
RANCHO CORDOVA, CA 95670

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 CONSULTANT - FUNCTIONAL SUPERVISOR
 CALCULATED - DESIGNED BY
 CHECKED BY
 REVISED BY
 DATE REVISED
 GUOWEI LI
 JOSE SILVA
 F. JOSE SILVA

SHEET No.	DRAINAGE SYSTEM No.	DRAINAGE UNIT	REMOVE HEADWALL	REMOVE PIPE	REMOVE INLET	ABANDON CULVERT	CULVERT SLURRY-CEMENT BACKFILL	24" ALTERNATIVE PIPE CULVERT	72" ALTERNATIVE PIPE CULVERT (TRENCHLESS)	ENERGY DISSIPATOR	36" PRECAST CONCRETE PIPE INLET (DESIGN HEIGHT) (N)	36" PRECAST CONCRETE PIPE INLET	PLACE HMA (MISCELLANEOUS AREA)	DRAINAGE INLET MARKER	HEADWALL (DESIGN HEIGHT) (N)	STRUCTURAL CONCRETE, HEADWALL	BAR REINFORCING STEEL	MINOR CONCRETE (GUTTER)	ROCK SLOPE PROTECTION (300LB CLASS IV, METHOD B)	ROCK SLOPE PROTECTION (1T, CLASS VIII, METHOD B)	ROCK SLOPE PROTECTION (GRAVEL FILTER) 15" THICK	Misc IRON AND STEEL	CABLE RAILING	MAXIMUM COVER	DESCRIPTION	STATION	SHEET No.	DRAINAGE SYSTEM No.	DRAINAGE UNIT	
			EA	LF	EA	LF	CY	LF	LF	EA	LF	CY	LB	CY	CY	CY	LB	LF	LF	EA	LF	CY	CY	LB						LF
L-1	1	a													19	66	12,957	2	80	125	40			34		RSP	"C" LINE 16+68.01	L-1	1	a
		b							506															74		INLET HEADWALL & WINGWALLS	"C" LINE 16+68.01			b
		c								1																CULVERT	"C" LINE 13+72.23			c
		d																								ENERGY DISSIPATOR	"C" LINE 11+78.32			d
		e													19	81	14,283	2						46		OUTLET HEADWALL & WINGWALLS	"C" LINE 11+62.01			e
		f																	150	240	75					RSP	"C" LINE 11+62.01			f
L-1	2	a									4	4.5		1									236			GCP INLET	"C" LINE 15+60.25 59.90 R+	L-1	2	a
		b											14													HMA APRON	"C" LINE 15+60.25 59.90 R+			b
		c						40																10		24" APC	"C" LINE 15+81.04 58.91' R+			c
		d									11.6	12.5		1									236			GCP INLET	"C" LINE 16+01.83 57.92' R+			d
		e						85																10		24" APC	"C" LINE 16+35.71 33.67' R+			e
L-1	3	a	1																							REMOVE HEADWALL	"C" LINE 16+52.09 31.32' R+	L-1	3	a
		b					270	360																		ABANDON 6' x 6' RCB	"C" LINE 15+33.22 67.16' R+			b
		c					230	245																		ABANDON 72" RCP	"C" LINE 12+91.35 69.48' R+			c
		d	1																							REMOVE HEADWALL	"C" LINE 11+78.58 46.76' R+			d
		e		50																						REMOVE PIPE	"C" LINE 16+08.77 63.89' R+			e
		f			1																					REMOVE INLET	"C" LINE 15+60.25 59.90' R+			f
		g				44	3																			ABANDON 18" CULVERT	"C" LINE 15+38.62 63.91' R+			g
			2	50	1	544	608	125	506	1		17	14	2		147	27,240	4	230	365	115	472	80		TOTAL					

(N) - NOT A SEPARATE BID ITEM

DRAINAGE QUANTITIES DQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 CONSULTANT - FUNCTIONAL SUPERVISOR: F. JOSE SILVA
 CALCULATED/DESIGNED BY: CHECKED BY:
 GUOWEI LI JOSE SILVA
 REVISED BY: DATE REVISED:

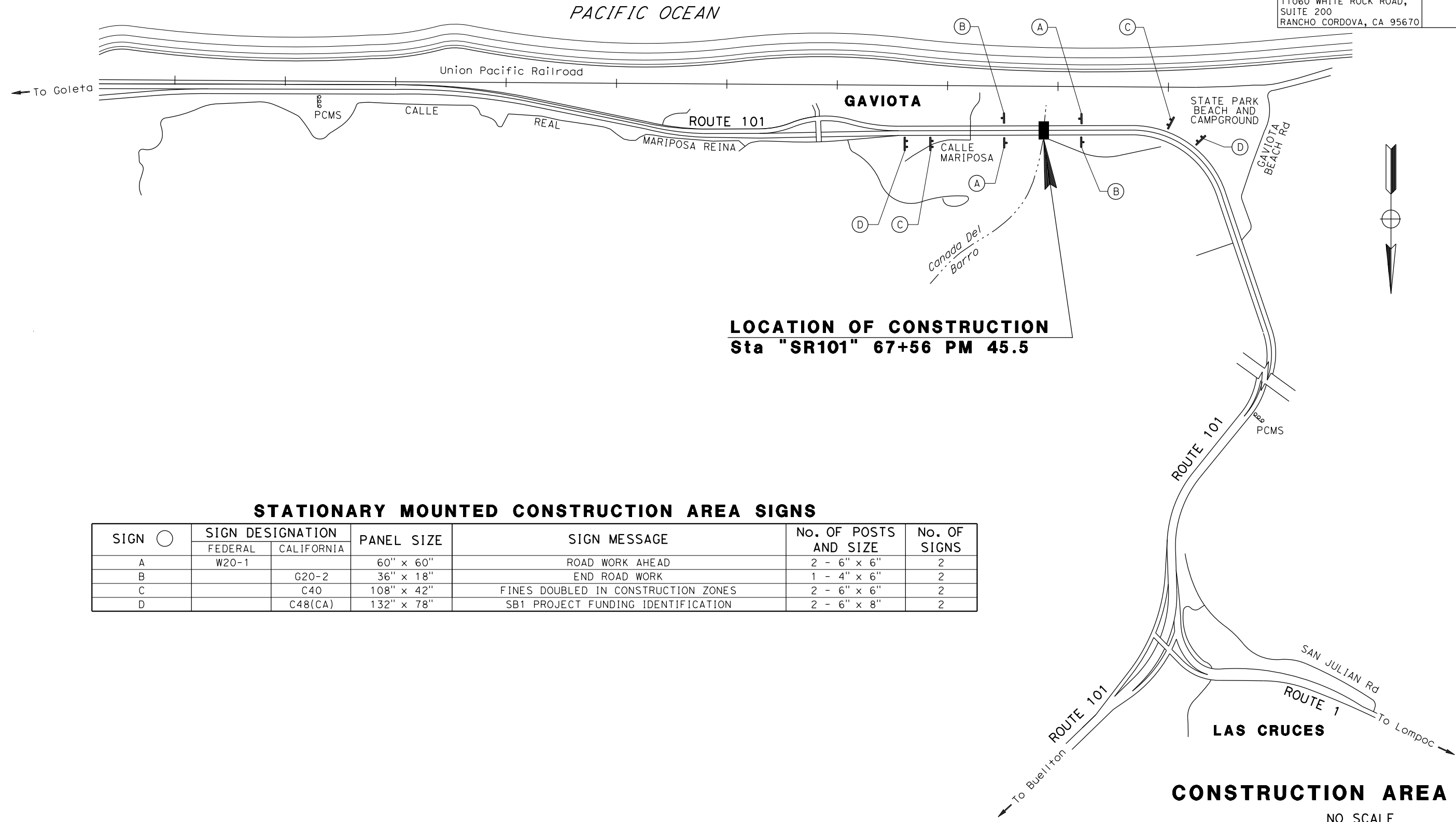
NOTE:
 SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	22	??

REGISTERED CIVIL ENGINEER DATE: XX-XX-XX
 PLANS APPROVAL DATE: XX-XX-XX

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DEWBERRY | DRAKE HAGLAN
 11060 WHITE ROCK ROAD,
 SUITE 200
 RANCHO CORDOVA, CA 95670



LOCATION OF CONSTRUCTION
 Sta "SR101" 67+56 PM 45.5

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN	SIGN DESIGNATION		PANEL SIZE	SIGN MESSAGE	No. OF POSTS AND SIZE	No. OF SIGNS
	FEDERAL	CALIFORNIA				
A	W20-1		60" x 60"	ROAD WORK AHEAD	2 - 6" x 6"	2
B		G20-2	36" x 18"	END ROAD WORK	1 - 4" x 6"	2
C		C40	108" x 42"	FINES DOUBLED IN CONSTRUCTION ZONES	2 - 6" x 6"	2
D		C48(CA)	132" x 78"	SB1 PROJECT FUNDING IDENTIFICATION	2 - 6" x 8"	2

CONSTRUCTION AREA SIGNS

NO SCALE

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CS-1

LAST REVISION: DATE PLOTTED => 4/6/2020 TIME PLOTTED => 7:19:50 PM

ROADWAY QUANTITIES

LOCATION	HOT MIX ASPHALT (TYPE A)	CLASS 2 AGGREGATE BASE	PLACE HMA DIKE (TYPE A)
	TON	CY	LF
"E" 10+83.80 TO 12+51.18	40	50	
DRAINAGE APRON "E" 35.29' RT, 11+69.72	3		
HMA DIKE (TYPE A) "E" 10+66.32 TO 12+34.00	5		170
TOTAL	48	50	170

FENCE AND GATE SUMMARY

SHEET No.	LOCATION	FENCE (TYPE BW, METAL POST)	REMOVE FENCE	16' WIRE MESH GATE	(N) STATE R/W MARKER
		LF	LF	EA	EA
C-6	"SR101" 66+45.81, L+ TO 69+31.40, LT	280	280	1	6
	"SR101" 63+20.53, R+ TO 66+76.40, RT	360		1	7
	TOTAL	640	280	2	13

(N) - NOT A SEPARATE BID ITEM

TEMPORARY WATER POLLUTION CONTROL QUANTITIES

	TEMPORARY LARGE SEDIMENT BARRIER	TEMPORARY HIGH-VISIBILITY FENCE	TEMPORARY FIBER ROLL	TEMPORARY DRAINAGE INLET PROTECTION	TEMPORARY CHECK DAM	TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	TEMPORARY CONSTRUCTION ENTRANCE	TEMPORARY GRAVEL BAG BERM
	LF	LF	LF	EA	LF	SOYD	EA	LF
TOTAL	220	4660	1730	3	140	10000	2	200

EARTHWORK QUANTITIES

LOCATION	ROADWAY EXCAVATION	(N) EMBANKMENT	IMPORTED BORROW	(N) SPOIL MATERIAL (TRENCHLESS)
	CY	CY	CY	CY
"C" LINE INLET GRADING	734	157		
"E" LINE SINKHOLE REPAIR	103	1292	540	
"C" LINE OUTLET GRADING	633	559		
"C" 11+62 TO 16+68				720
TOTAL	1470	2010	540	720

(N) - NOT A SEPARATE BID ITEM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	23	??

REGISTERED CIVIL ENGINEER DATE: XX-XX-XX
 PLANS APPROVAL DATE: XX-XX-XX

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

DEWBERRY | DRAKE HAGLAN
 11060 WHITE ROCK ROAD,
 SUITE 200
 RANCHO CORDOVA, CA 95670



SUMMARY OF QUANTITIES Q-1



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	24	??

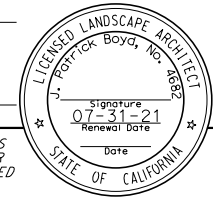
LICENSED LANDSCAPE ARCHITECT

XX-XX-XX

PLANS APPROVAL DATE

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

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P.O. Box 27616
Fresno, CA 93729



NOTE:
UNDERLINED PORTION OF BOTANICAL NAME INDICATE ABBREVIATION USED ON PLANTING PLAN.

PLANT LEGEND

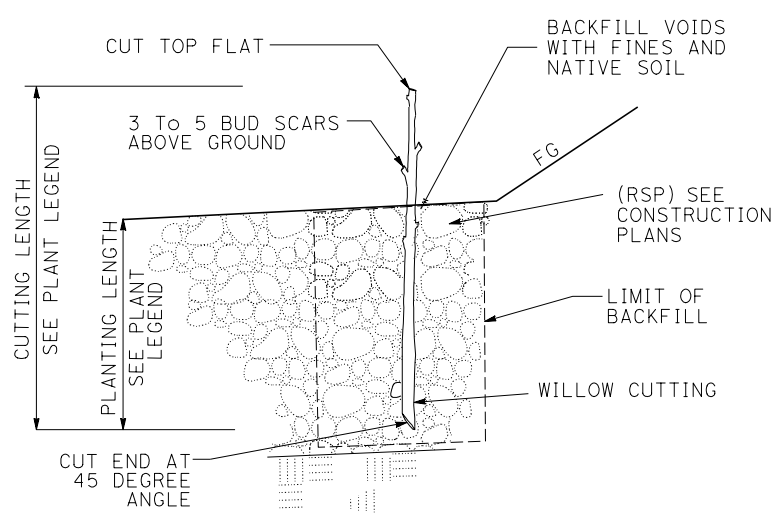
PLANT GROUP (SIZE)	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	ON CENTER SPACING	MINIMUM PLANTING DISTANCE FROM WALL	REMARKS
					f+	f+	
H (CUTTING)	1		<u>SALIX LASIOLEPIS</u>	ARROYO WILLOW	6	8	72" CUTTING ①②③⑥
	2		<u>SALIX LASIOLEPIS</u> (LIVE SILTATION)	ARROYO WILLOW	②		48" CUTTING ②④⑤

APPLICABLE WHERE CIRCLED

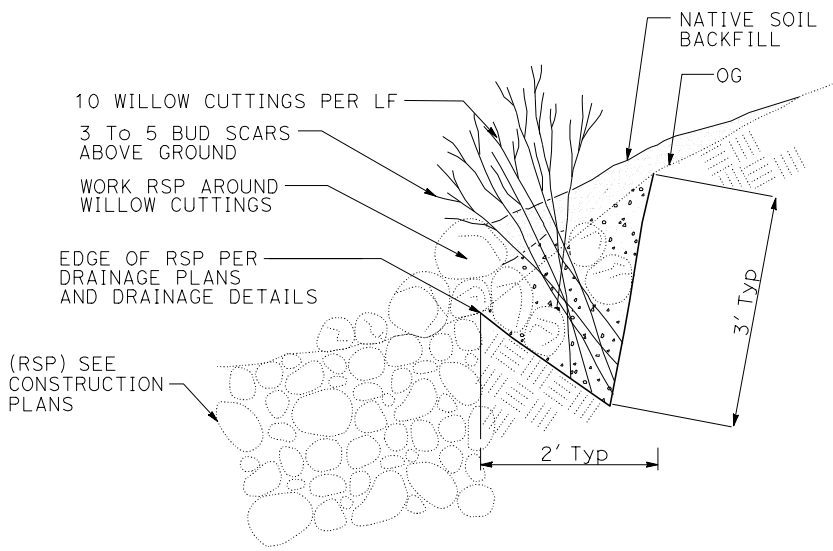
- ① - QUANTITIES SHOWN ARE "PER PLANT"
- ② - SEE DETAIL
- ③ - SEE SPECIAL PROVISIONS
- ④ - AS SHOWN ON PLANS
- ⑤ - 36" PLANTING DEPTH FOR 48" CUTTING
- ⑥ - 48" PLANTING DEPTH FOR 72" CUTTING

PLANTING QUANTITIES

BOTANICAL NAME	COMMON NAME	PLANT (GROUP H)
		EA
<u>SALIX LASIOLEPIS</u>	ARROYO WILLOW	40
<u>SALIX LASIOLEPIS</u> (LIVE SILTATION)	ARROYO WILLOW	1570
TOTAL		1,610



SECTION WILLOW CUTTING IN RSP



SECTION LIVE SILTATION

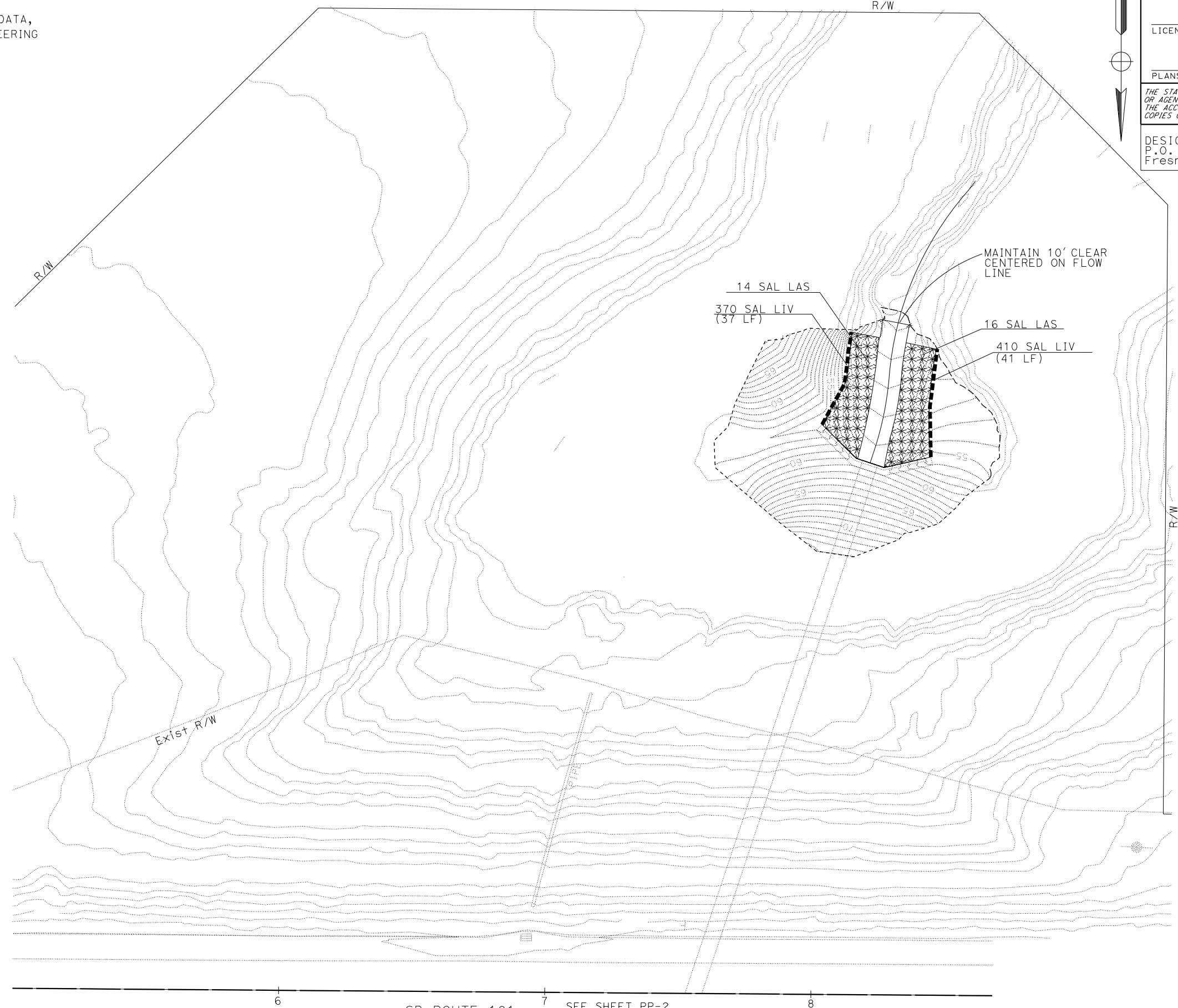
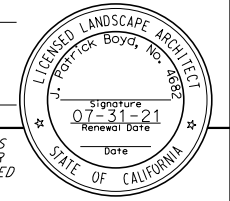
**PLANT LIST
PL-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Et Caltrans®
 CONSULTANT SENIOR LANDSCAPE ARCHITECT
 KONNI JONES
 PATRICK BOYD
 REVISIONS BY
 DATE REVISED
 CALCULATED-DESIGNED BY
 CHECKED BY

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA,
 CONTACT RIGHT OF WAY ENGINEERING
 AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	25	??

LICENSED LANDSCAPE ARCHITECT	
XX-XX-XX	
PLANS APPROVAL DATE	
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>	
DESIGNLAB 252 P.O. Box 27616 Fresno, CA 93729	



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT - SENIOR LANDSCAPE ARCHITECT	CALCULATED - DESIGNED BY	REVISOR	DATE
Caltrans	PATRICK BOYD	CHECKED BY	KONNI JONES	
			PATRICK BOYD	

6 SB ROUTE 101 7 SEE SHEET PP-2 8

APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
 SCALE: 1"=20'
PP-1

LAST REVISION DATE PLOTTED => 21-APR-2020 02-03-20 TIME PLOTTED => 14:14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
EtCultans
CONSULTANT SENIOR LANDSCAPE ARCHITECT PATRICK BOYD
CALCULATED-DESIGNED BY CHECKED BY
KONNI JONES PATRICK BOYD
REVISED BY DATE REVISED

NOTE:
FOR ACCURATE RIGHT OF WAY DATA,
CONTACT RIGHT OF WAY ENGINEERING
AT THE DISTRICT OFFICE.

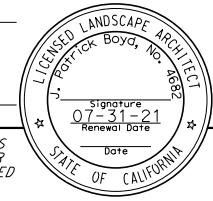
SEE SHEET PP-2

NB ROUTE 101



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	26	??

LICENSED LANDSCAPE ARCHITECT
XX-XX-XX
PLANS APPROVAL DATE
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APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN

SCALE: 1"=20'

PP-2

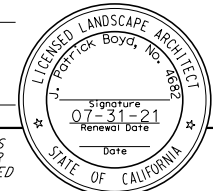
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	27	??

LICENSED LANDSCAPE ARCHITECT

XX-XX-XX

PLANS APPROVAL DATE

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EROSION CONTROL TYPE 1

SEQUENCE	ITEM	MATERIAL		APPLICATION RATE	DEPTH
		DESCRIPTION	TYPE		
STEP 1	COMPOST	COMPOST	FINE	270 CY/ACRE	2"
STEP 2	HYDROSEED	SEED	MIX	26 LB/ACRE	
		FIBER	WOOD	2,500 LB/ACRE	
		TACKIFIER	PSYLLIUM	150 LB/ACRE	
STEP 3	RECP (NETTING)	NETTING	TYPE A		

EROSION CONTROL TYPE 2

SEQUENCE	ITEM	MATERIAL		APPLICATION RATE	DEPTH
		DESCRIPTION	TYPE		
STEP 1	COMPOST	COMPOST	FINE	270 CY/ACRE	2"
STEP 2	HYDROSEED	SEED	MIX	26 LB/ACRE	
		FIBER	WOOD	2,500 LB/ACRE	
		TACKIFIER	PSYLLIUM	150 LB/ACRE	

FIBER ROLLS

SEQUENCE	ITEM	MATERIAL		REMARKS
		DESCRIPTION	TYPE	
	FIBER ROLLS	FIBER ROLL	8" Dia	TYPE 2 FIBER ROLL INSTALLATION

EROSION CONTROL QUANTITIES

SHEET	COMPOST	HYDROSEED	FIBER ROLLS	ROLLED EROSION CONTROL PRODUCT (NETTING)	(N) HYDROSEED MATERIALS		
					PLS	FIBER	TACKIFIER
					CY	SQFT	LF
EC-1	237	38,250	419	38,250	23	2,195	132
EC-2	517	83,485	696	36,075	50	4,790	287
TOTAL	754	121,735	1,115	74,325			

(N)-NOT A SEPARATE BID ITEM

SEED MIX

BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
ACMISPON GLABER (DEERWEED)	70	3
ARTEMESIA CALIFORNICA (CALIFORNIA SAGE)	50	0.1
BROMUS CARINATUS (CALIFORNIA BROME)	80	8
ELYMUS CONDENSATUS (GIANT WILD RYE)	60	2
ENCELIA CALIFORNICA (COAST SUNFLOWER)	50	1.5
ERIOGONUM FASCICULATUM (CALIFORNIA BUCKWHEAT)	10	1.5
ERIOGONUM PARVIFOLIUM (SEA CLIFF BUCKWHEAT)	30	1
LUPINUS NANUS (SKY LUPINE)	70	4
MIMULUS AURANTIACUS (STICKY MONKEY FLOWER)	50	0.1
SALVIA MELLIFERA (BLACK SAGE)	60	0.5
STIPA PULCHURA (PURPLE NEEDLEGRASS)	70	4.3

ALL SEED TYPES TO BE PRODUCED IN THE STATE OF CALIFORNIA

EROSION CONTROL LEGEND
ECL-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 CONSULTANT SENIOR LANDSCAPE ARCHITECT
 PATRICK BOYD
 CALCULATED-DESIGNED BY
 CHECKED BY
 KONNI JONES
 PATRICK BOYD
 REVISED BY
 DATE REVISED

LAST REVISION DATE PLOTTED => 3-APR-2020
02-03-20 TIME PLOTTED => 13:03

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 CONSULTANT SENIOR LANDSCAPE ARCHITECT
 PATRICK BOYD
 CALCULATED/DESIGNED BY
 PATRICK BOYD
 CHECKED BY
 PATRICK BOYD
 KONNI JONES
 REVISOR BY
 PATRICK BOYD
 DATE REVISOR
 DATE

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA,
 CONTACT RIGHT OF WAY ENGINEERING
 AT THE DISTRICT OFFICE.

LEGEND:
 - - - - - FIBER ROLL
 [Hatched Box] EROSION CONTROL TYPE 1

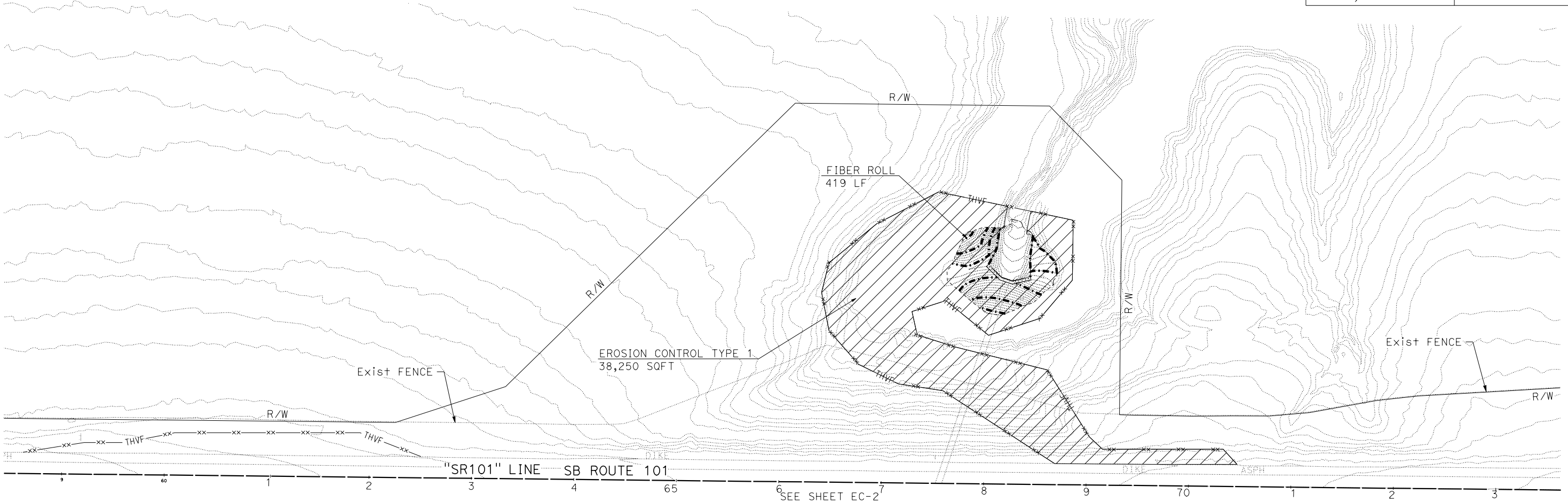
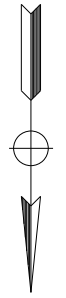
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	28	??

LICENSED LANDSCAPE ARCHITECT
 XX-XX-XX
 PLANS APPROVAL DATE

Signature: J. Patrick Boyd, No. 3692
 07-31-21
 Renewal Date

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

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 P.O. Box 27616
 Fresno, CA 93729



APPROVED FOR EROSION CONTROL WORK ONLY

EROSION CONTROL PLAN
 SCALE: 1"=50'
EC-1

LAST REVISION DATE PLOTTED => 3-APR-2020
 02-03-20 TIME PLOTTED => 15:49

NOTE:

FOR ACCURATE RIGHT OF WAY DATA,
CONTACT RIGHT OF WAY ENGINEERING
AT THE DISTRICT OFFICE.

LEGEND:

- FIBER ROLL
- ▨ EROSION CONTROL TYPE 1
- ▩ EROSION CONTROL TYPE 2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	29	??

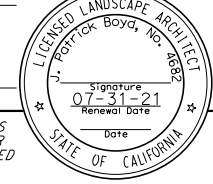
LICENSED LANDSCAPE ARCHITECT

XX-XX-XX

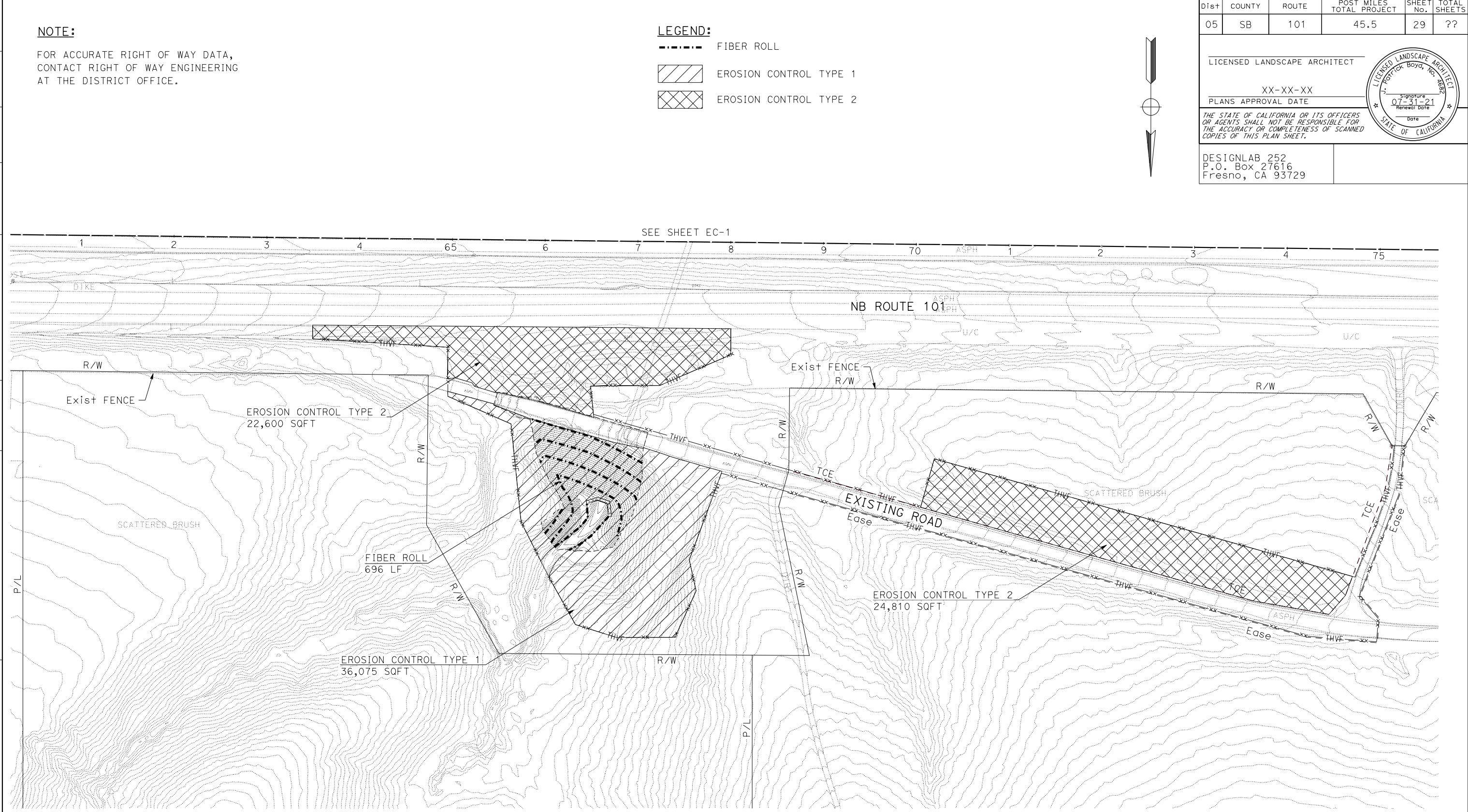
PLANS APPROVAL DATE

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Caltrans
 CONSULTANT SENIOR LANDSCAPE ARCHITECT
 PATRICK BOYD
 CHECKED BY
 PATRICK BOYD
 CALCULATED-DESIGNED BY
 KONNI JONES
 REVISOR BY
 PATRICK BOYD
 DATE REVISOR
 KONNI JONES



EROSION CONTROL PLANS
 SCALE: 1"=50'
EC-2

APPROVED FOR EROSION CONTROL WORK ONLY

LAST REVISION DATE PLOTTED => 3-APR-2020
 02-03-20 TIME PLOTTED => 15:53

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	UTILITY PLAN
3	CONSTRUCTION AREA SIGNS
4	TRAFFIC HANDLING DETAILS
5-6	IRRIGATION SPRINKLER SCHEDULE AND IRRIGATION PLAN
7-8	PLANT LEGEND AND PLANTING PLAN
9	REVISED STANDARD PLANS

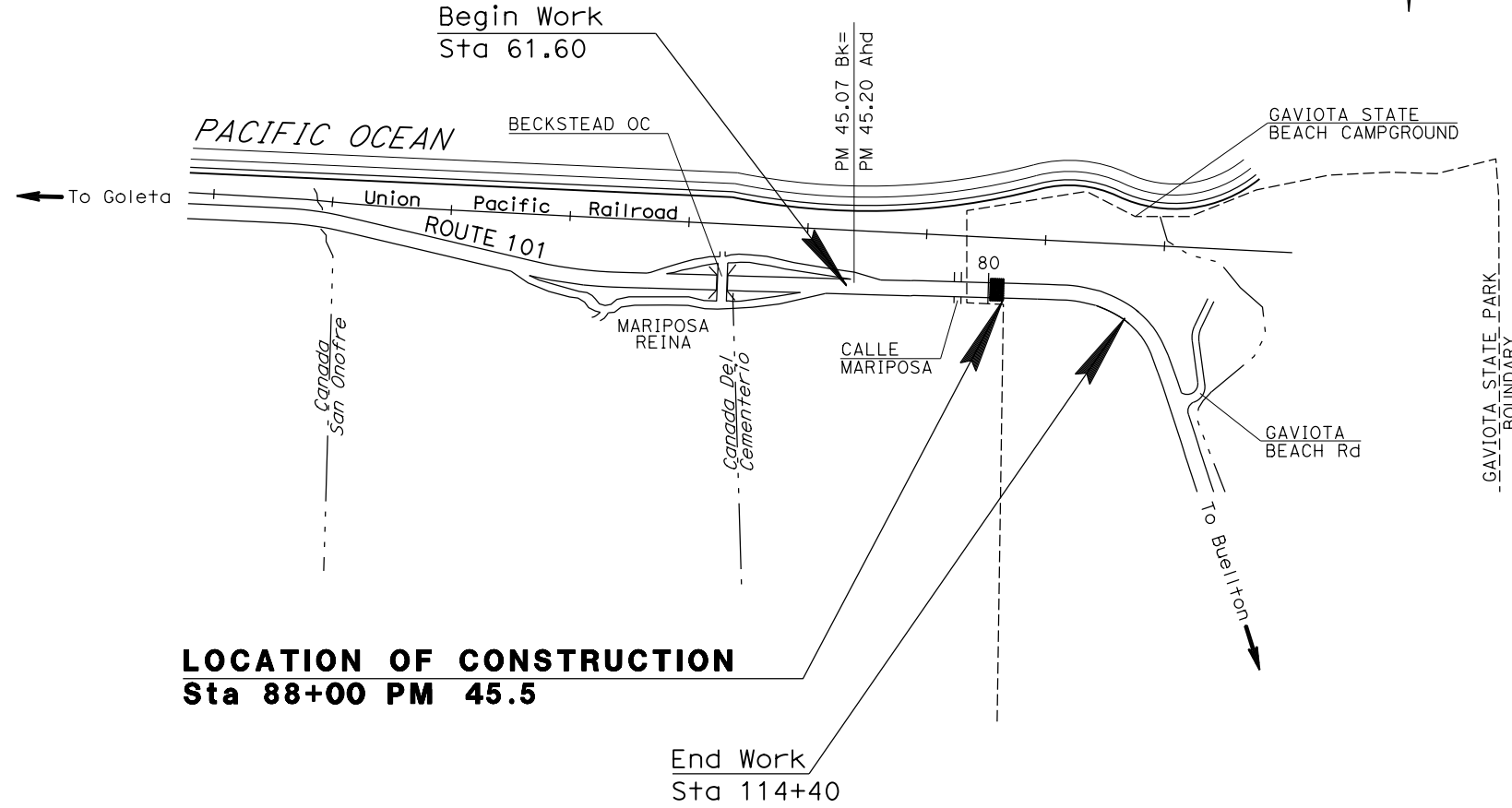
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN SANTA BARBARA COUNTY
NEAR GAVIOTA
AT 0.7 MILE WEST OF
BECKSTEAD OVERCROSSING**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2018

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	1	9



**LOCATION OF CONSTRUCTION
Sta 88+00 PM 45.5**

End Work
Sta 114+40

NO SCALE

PROJECT MANAGER JUSTIN BORDERS
DESIGN MANAGER BRAD COLE

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

Linda Baker 01-15-20
LICENSED LANDSCAPE ARCHITECT



January 15, 2020

PLANS APPROVAL DATE

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

CONTRACT No.	05-OK3324
PROJECT ID	0519000059

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	2	9

REGISTERED CIVIL ENGINEER	DATE
9-10-19	
PLANS APPROVAL DATE	
01-15-20	

REGISTERED PROFESSIONAL ENGINEER GUOWEI LI No. C67796 Exp. 6-30-21 CIVIL STATE OF CALIFORNIA
--

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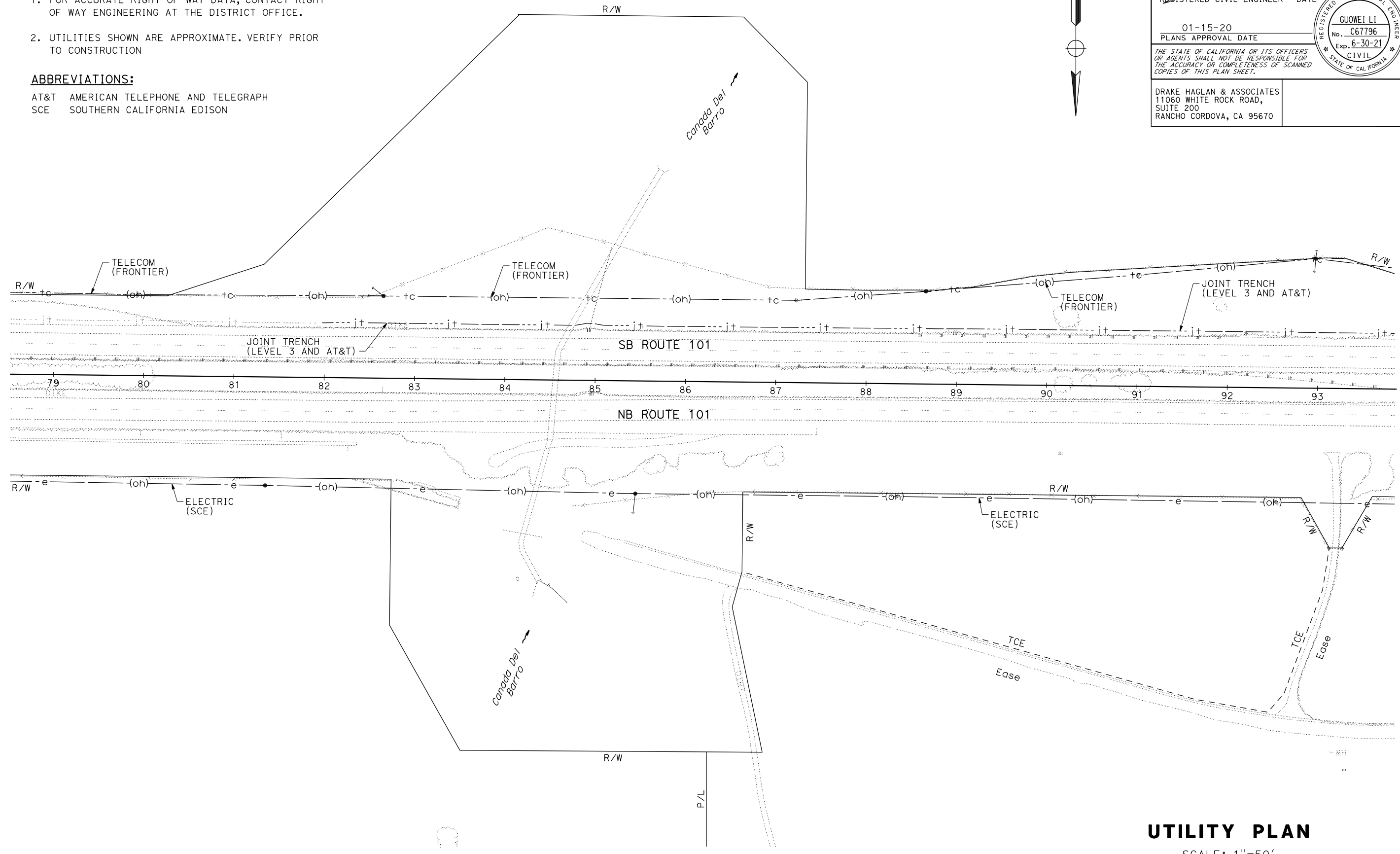
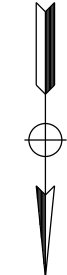
DRAKE HAGLAN & ASSOCIATES
 11060 WHITE ROCK ROAD,
 SUITE 200
 RANCHO CORDOVA, CA 95670

NOTE:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- UTILITIES SHOWN ARE APPROXIMATE. VERIFY PRIOR TO CONSTRUCTION

ABBREVIATIONS:

AT&T AMERICAN TELEPHONE AND TELEGRAPH
 SCE SOUTHERN CALIFORNIA EDISON



TO BE USED FOR UTILITY INFORMATION ONLY

UTILITY PLAN

SCALE: 1"=50'

U-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

REVISOR: REVISED BY DATE
 K. LI J. SILVA
 CONSULTANT FUNCTIONAL SUPERVISOR
 F. JOSE SILVA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MOHAMMED OATAMI
 CALCULATED-DESIGNED BY: CHECKED BY:
 KEN CLAASSEN MAZIN AL-ALI
 REVISED BY: REVISION DATE

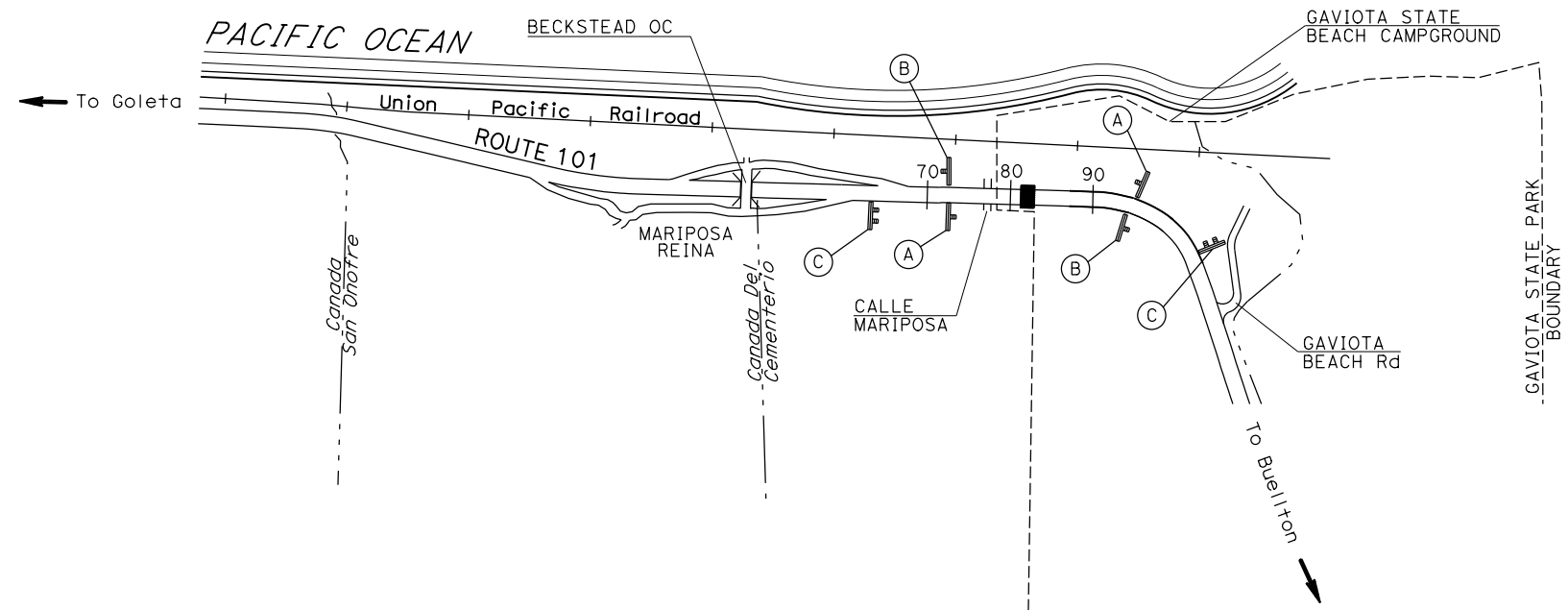
NOTE:
 EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	3	9

07-29-19
 REGISTERED CIVIL ENGINEER DATE
 01-15-20
 PLANS APPROVAL DATE

MAZIN H. AL-ALI
 No. 65523
 Exp. 9/30/21
 CIVIL
 STATE OF CALIFORNIA

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STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No. (X)	SIGN DESIGNATION	PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
A	W 20-1	48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	2
B	G 20-2	36" x 18"	END ROAD WORK	1 - 4" x 4"	2
C	C 48(CA)	96" x 60"	PROJECT FUNDING ID SIGN	2 - 6" x 8"	2

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

LAST REVISION: DATE PLOTTED => 15-JAN-2020
 09-04-19 TIME PLOTTED => 12:37

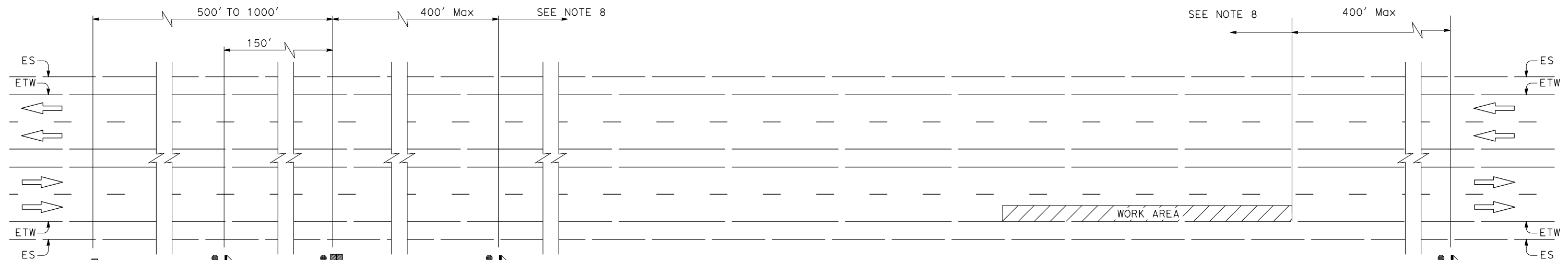
NOTES:

- W20-1 SIGN IS A REFERENCE FROM STANDARD PLANS TRAFFIC CONTROL SYSTEM SHEETS.
- DUPLICATE SIGN INSTALLATIONS ARE NOT REQUIRED ON DIVIDED ROADWAY WITH 3 OR MORE LANES IN ONE DIRECTION:
 - ON OPPOSITE SHOULDER IF AT LEAST ONE-HALF OF THE AVAILABLE LANES REMAIN OPEN TO TRAFFIC.
 - IN THE MEDIAN IF THE WIDTH OF THE MEDIAN SHOULDER IS LESS THAN 8' AND THE OUTSIDE LANES ARE NOT CLOSED.
- COVER EXISTING R2-1 SIGNS WITHIN THE PROJECT LIMITS WHEN THE SPEED REDUCTION SIGNS ARE IN PLACE. UNCOVER EXISTING R2-1 SIGNS AFTER CONSTRUCTION IS COMPLETED.
- ADDITIONAL SIGNS MAY BE INSTALLED ON THE MAINLINE, RAMPS AND OTHER LOCATIONS, AS DETERMINED BY THE ENGINEER.
- SPEED LIMITS ARE TO BE REDUCED BY 10 MPH IN WORK ZONES, WHERE THE POSTED SPEED LIMIT IS 35 MPH OR HIGHER OR AS DETERMINED BY THE ENGINEER.
- THE WORK ZONE SPEED LIMIT REDUCTION SYSTEM IS PART OF TRAFFIC CONTROL SYSTEM BID ITEM.
- EACH ADVANCE WARNING SIGN MUST BE EQUIPPED WITH AT LEAST TWO FLAGS FOR DAYTIME CLOSURE. EACH FLAG MUST BE AT LEAST 16" x 16" IN SIZE AND MUST BE ORANGE OR FLUORESCENT RED-ORANGE IN COLOR. FLASHING BEACONS MUST BE PLACED AT THE LOCATIONS INDICATED FOR LANE CLOSURE DURING HOURS OF DARKNESS.
- SEE STANDARD PLANS TRAFFIC CONTROL SYSTEM SHEETS FOR ADDITIONAL TRAFFIC CONTROL.

LEGEND:

- TRAFFIC CONE
- PCMS (TRAFFIC CONTROL SYSTEM)
- ▣ PORTABLE TRAILER MOUNTED SIGNS (G20-5aP, R2-1, VEHICLE SPEED FEEDBACK SIGN)
- ▷ PORTABLE TEMPORARY TRAFFIC CONTROL SIGN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR MOHAMMAD QATAMI
 CALCULATED/DESIGNED BY
 CHECKED BY
 KEN CLAASSEN MAZIN AL-ALI
 REVISED BY
 DATE REVISED



TEMPORARY TRAFFIC CONTROL SIGNS*

SIGN No.	SIGN DESIGNATION	SIGN MESSAGE	PANEL SIZE	REMARK
A	W3-5	SPEED LIMIT XX WITH ARROW	48" x 48"	
B	G20-5aP	WORK ZONE	36" x 24"	TRAILER MOUNTED
	R2-1	SPEED LIMIT XX	36" x 48"	
	VEHICLE SPEED FEEDBACK SIGN	YOUR SPEED XX	28" x 28"	
C	R2-12	END WORK ZONE SPEED LIMIT	36" x 54"	

* FOR ADDITIONAL SIGNS SEE STANDARD PLANS TRAFFIC CONTROL SYSTEMS.

**TYPICAL TRAFFIC CONTROL SYSTEM FOR
LANE AND/OR SHOULDER CLOSURES
WORK ZONE SPEED LIMIT REDUCTION**


**TRAFFIC HANDLING DETAILS
(TRAFFIC CONTROL SYSTEM)**

NO SCALE

THD-1

LAST REVISION DATE PLOTTED -> 15- JAN-2020

IRRIGATION SPRINKLER SCHEDULE

SYMBOL	ITEM DESCRIPTION	SPRINKLER TYPE	OPERATING PRESSURE	DISCHARGE RATE (+/-5%)	INLET CONNECTION DIAMETER	PRESSURE COMPENSATING	REMARKS
			psi	GPH	INCH		
	DRIP IRRIGATION TUBING	EMITTER	30	2.0	②	Req	①

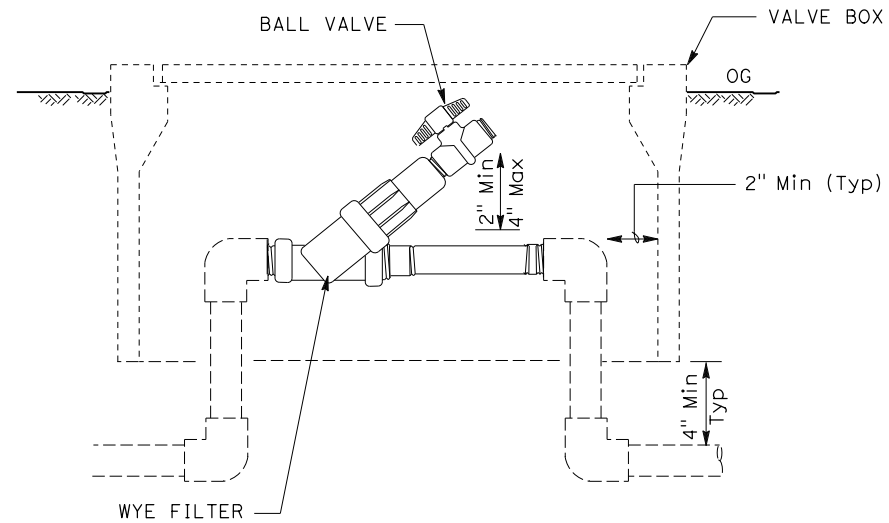
NOTES: APPLICABLE WHERE CIRCLED

- ① TWO EMITTERS PER PLANT. LOCATE ON OPPOSITE SIDES OF ROOTBALL WITHIN PLANTING BASIN.
- ② BARBED EMITTER

IRRIGATION QUANTITY

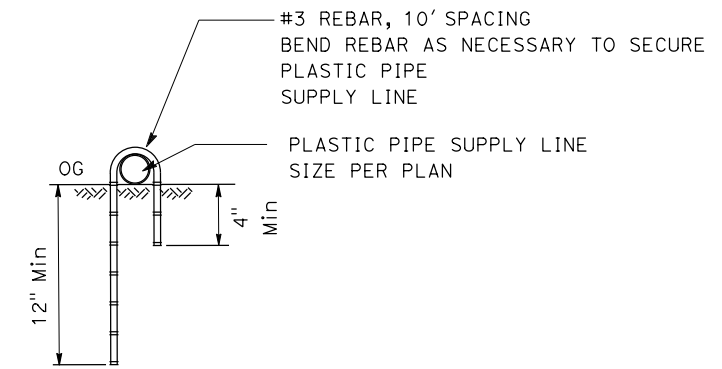
SHEET No.	DRIP IRRIGATION WYE FILTER	CAM COUPLER ASSEMBLY	BALL VALVE	IRRIGATION SUPPLY LINE		
				DRIP IRRIGATION TUBING	EMITTERS (N)	PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)
	1 1/2"	2"	1"	3/4"		1"
	EA	EA	EA	LF	EA	LF
IP-1	3	3	3	13,500	3,600	1,800
TOTAL	3	3	3	13,500	3,600	1,800

(N) - NOT A SEPARATE BID ITEM



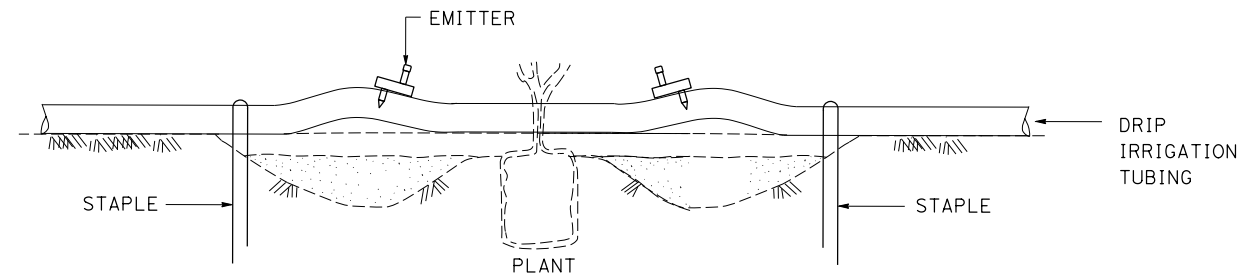
DRIP IRRIGATION WYE FILTER

NO SCALE



PIPE ANCHOR

NO SCALE



EMITTER ASSEMBLY

NO SCALE

IRRIGATION SPRINKLER SCHEDULE

ISS-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	5	9

Linda Baker
 LICENSED LANDSCAPE ARCHITECT

01-15-20
 PLANS APPROVAL DATE

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

Linda Baker
 Signature
 06/30/20
 Revised Date
 01/15/20
 Date
 STATE OF CALIFORNIA

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	6	9

Linda Baker
LICENSED LANDSCAPE ARCHITECT

01-15-20
PLANS APPROVAL DATE

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

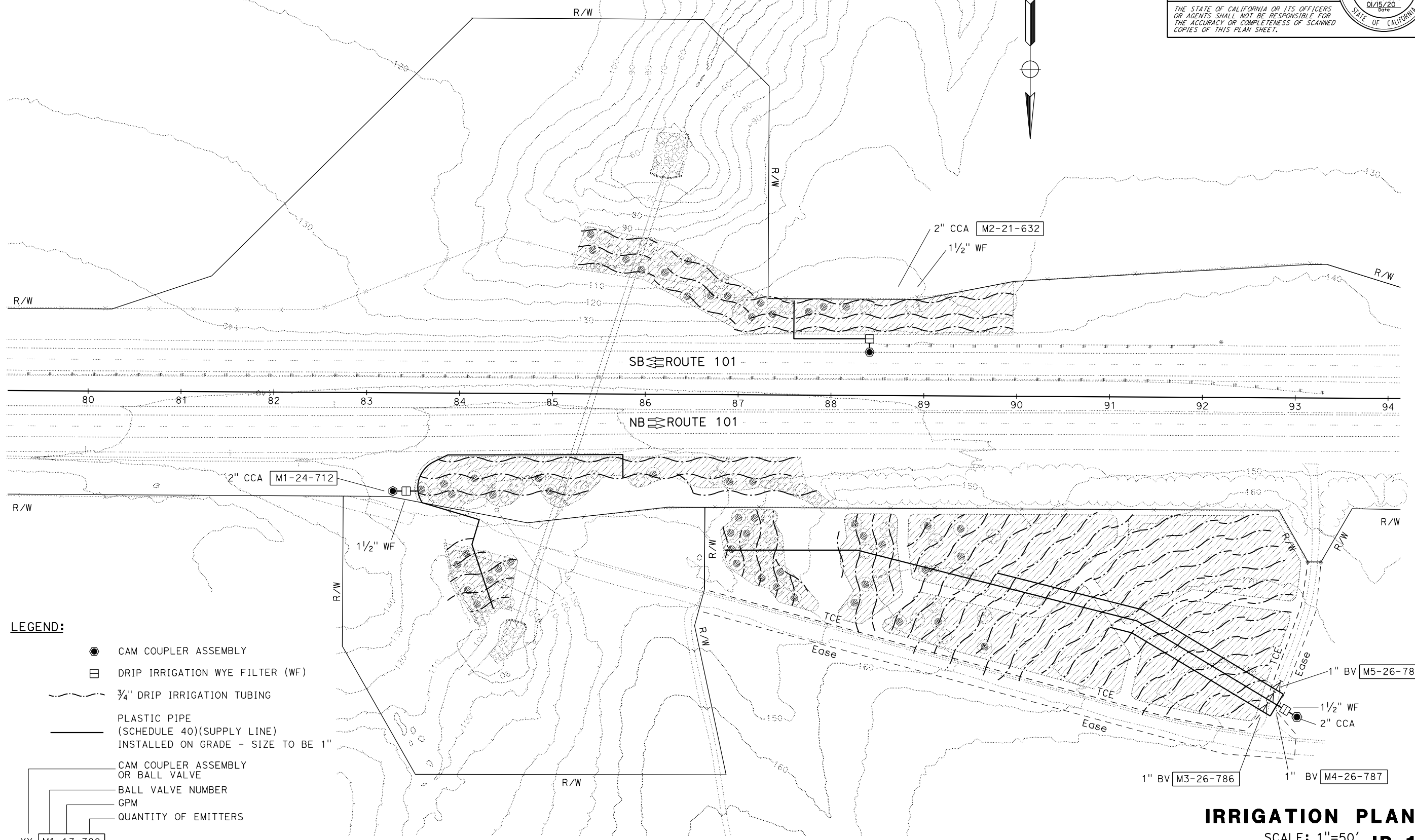
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT
BRAD COLE

CALCULATED-DESIGNED BY
CHECKED BY

LINDA BAKER
ZACH TANNER

REVISED BY
DATE REVISED



- LEGEND:**
- CAM COUPLER ASSEMBLY
 - DRIP IRRIGATION WYE FILTER (WF)
 - - - 3/4" DRIP IRRIGATION TUBING
 - PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE) INSTALLED ON GRADE - SIZE TO BE 1"
 - CAM COUPLER ASSEMBLY OR BALL VALVE
 - BALL VALVE NUMBER
 - GPM
 - QUANTITY OF EMITTERS
- XX M1-13-380

APPROVED FOR IRRIGATION WORK ONLY

IRRIGATION PLAN
SCALE: 1"=50' **IP-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Gobans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT
 BRAD COLE
 CALCULATED-DESIGNED BY
 CHECKED BY
 LINDA BAKER
 ZACH TANNER
 REVISED BY
 DATE REVISED

NOTE:

UNDERLINED PORTIONS OF BOTANICAL NAME INDICATE ABBREVIATION USED ON PLANTING PLAN.

PLANT LEGEND

PLANT GROUP (SIZE)	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	HOLE DIAMETER	HOLE DEPTH	BASIN TYPE	WOOD MULCH ④		APPLICATION RATES			ON CENTER SPACING	MINIMUM PLANTING DISTANCE FROM:					REMARKS	
								BASIN	BASIN PLT ESTB	SOIL AMENDMENT ③	ORGANIC FERTILIZER			ETW	EP	FENCE	WALL	PAVED DITCH		EARTH DITCH
											PLT	PLT ESTB								
INCH	INCH	CF	CF	CF	oz	oz	ft	ft	ft	ft	ft	ft	ft							
A (No. 1)	1		ARTEMISIA <u>CALIFORNICA</u>	CALIFORNIA SAGEBRUSH	18	18	II	2	2	1	3	3	9	-	10	5	10	5	5	SHRUB ⑤
	2		ELYMUS <u>CONDENSATUS</u>	GIANT WILDRYE	18	18	II	2	2	1	3	3	9	-	10	5	10	5	5	SHRUB ⑤
	3		ENCELIA <u>CALIFORNICA</u>	BUSH SUNFLOWER	18	18	II	2	2	1	3	3	9	-	10	5	10	5	5	SHRUB ⑤
	4		HETEROMELES <u>ARBUTIFOLIA</u>	TOYON	18	18	II	2	2	1	3	3	⑥	-	10	5	10	5	5	SHRUB ⑤
	5		MIMULUS <u>AURANTIACUS</u>	BUSH MONKEY FLOWER	18	18	II	2	2	1	3	3	9	-	10	5	10	5	5	SHRUB ⑤
	7		RHUS <u>INTEGRIFOLIA</u>	LEMONADE SUMAC	18	18	II	2	2	1	3	3	9	-	10	5	10	5	5	SHRUB ⑤
	8		SALVIA <u>MELLIFERA</u>	BLACK SAGE	18	18	II	2	2	1	3	3	9	-	10	5	10	5	5	SHRUB ⑤
	9		SAMBUCUS <u>MEXICANA</u>	ELDERBERRY	18	18	II	2	2	1	3	3	⑥	-	10	5	10	5	5	SHRUB ⑤

NOTES: APPLICABLE WHERE CIRCLED

- 1 - SEE DETAIL.
- ② - QUANTITIES SHOWN ARE PER PLANT.
- ③ - SOIL AMENDMENT MUST BE FINE COMPOST.
- ④ - WOOD MULCH MUST BE SHREDDED BARK MULCH.
- ⑤ - ROOT PROTECTOR REQUIRED SEE DETAIL.
- ⑥ - MIXED SHRUB PLANTING TO BE ARRANGED IN A RANDOM PATTERN AND SPACING AT 8 FEET ON CENTER MINIMUM FOR ALL ADJACENT PLANTS.

PLANTING QUANTITIES

BOTANICAL NAME	COMMON NAME	PLANT GROUP	PLANT BASIN			
		A	SOIL AMENDMENT	ORGANIC FERTILIZER	WOOD MULCH *	ROOT PROTECTOR
		EA	CY	LB	CY	EA
ARTEMISIA <u>CALIFORNICA</u>	CALIFORNIA SAGEBRUSH	423	16	79	63	423
ELYMUS <u>CONDENSATUS</u>	GIANT WILDRYE	171	6	32	25	171
ENCELIA <u>CALIFORNICA</u>	BUSH SUNFLOWER	171	6	32	25	171
HETEROMELES <u>ARBUTIFOLIA</u>	TOYON	55	2	10	8	55
MIMULUS <u>AURANTIACUS</u>	BUSH MONKEY FLOWER	252	9	47	37	252
RHUS <u>INTEGRIFOLIA</u>	LEMONADE SUMAC	252	9	47	38	252
SALVIA <u>MELLIFERA</u>	BLACK SAGE	423	16	79	63	423
SAMBUCUS <u>MEXICANA</u>	ELDERBERRY	53	2	10	8	53
TOTAL		1,800	66	338	267	1,800

* INCLUDES MULCH APPLIED IN PLANT ESTABLISHMENT

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	7	9

Linda Baker
 LICENSED LANDSCAPE ARCHITECT
 01-15-20
 PLANS APPROVAL DATE

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

**PLANT LEGEND
PL-1**

LAST REVISION
 DATE PLOTTED => 14-JAN-2020
 TIME PLOTTED => 13:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	8	9

Linda Baker
 LICENSED LANDSCAPE ARCHITECT

01-15-20
 PLANS APPROVAL DATE

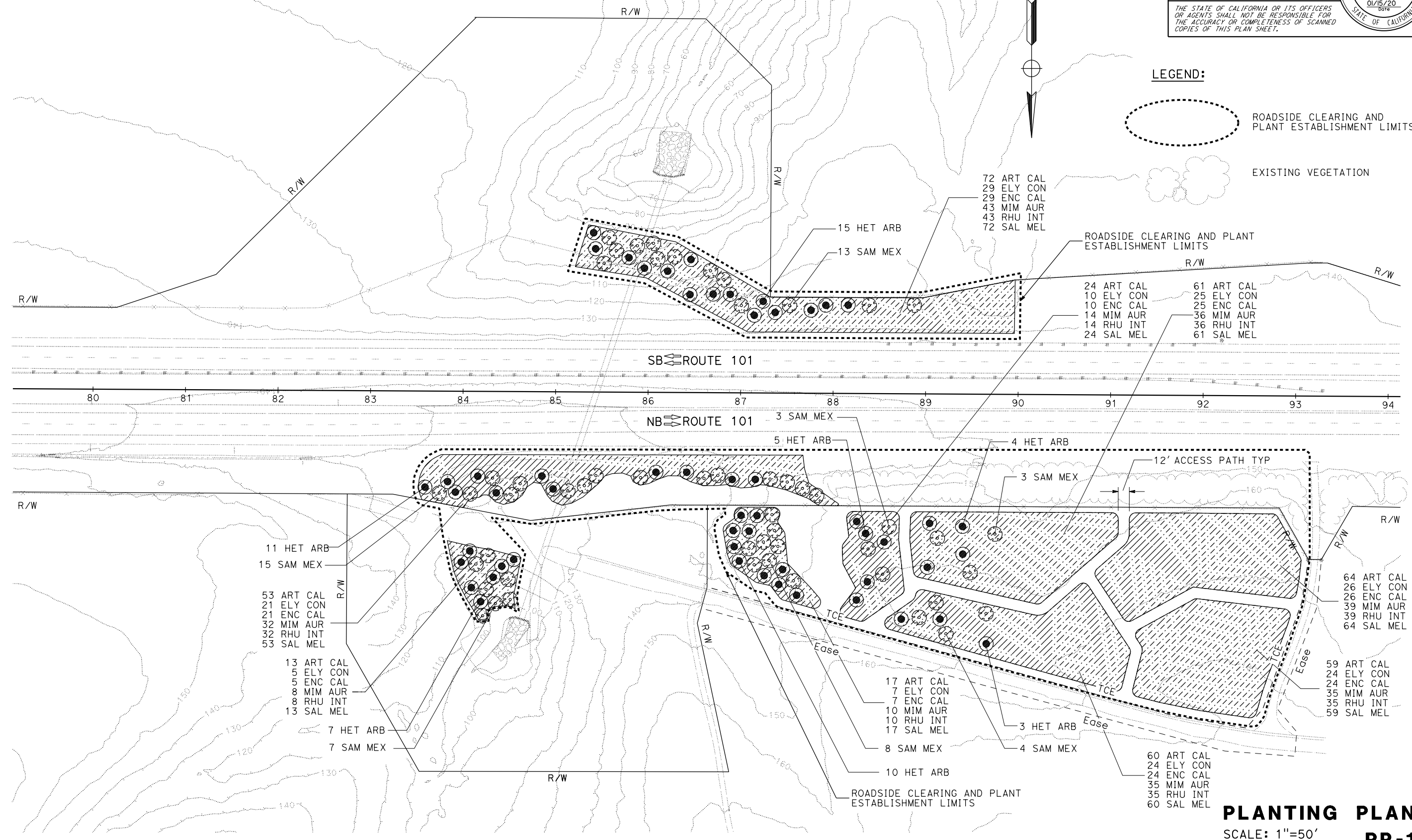
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NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND:

ROADSIDE CLEARING AND PLANT ESTABLISHMENT LIMITS

EXISTING VEGETATION



APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
 SCALE: 1"=50'
PP-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Gobans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT
 BRAD COLE

CHECKED BY
 ZACH TANNER

DESIGNED BY
 LINDA BAKER

REVISOR
 DATE

USERNAME => s115200
 DGN FILE => 0519000059su001.dgn

RELATIVE BORDER SCALE
 IS IN INCHES

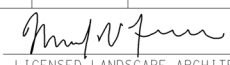
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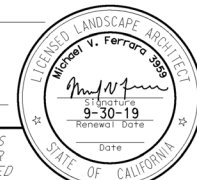
PROJECT NUMBER & PHASE

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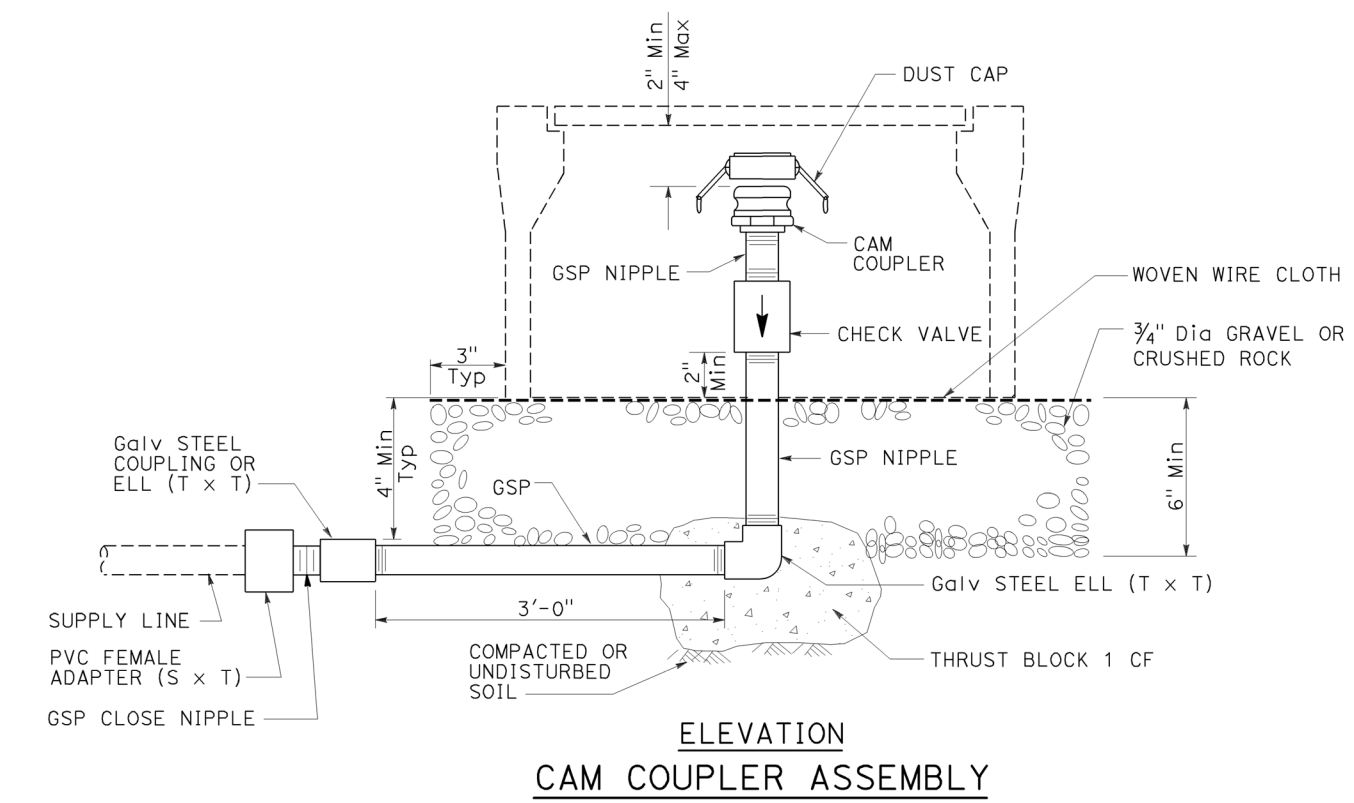
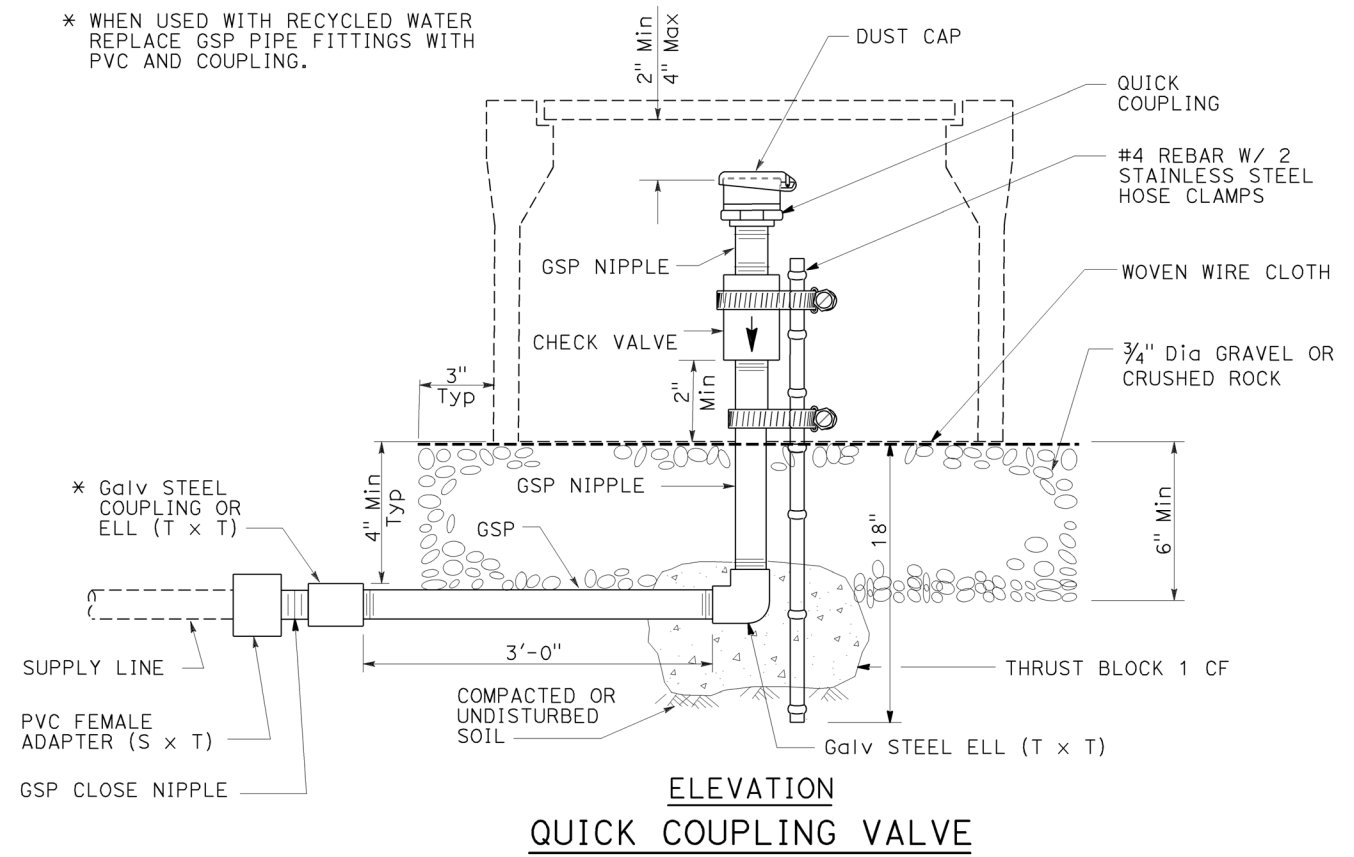
LAST REVISION
 01-15-19
 DATE PLOTTED => 14-JAN-2020
 TIME PLOTTED => 13:59

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	45.5	9	9


 LICENSED LANDSCAPE ARCHITECT
 April 19, 2019
 PLANS APPROVAL DATE
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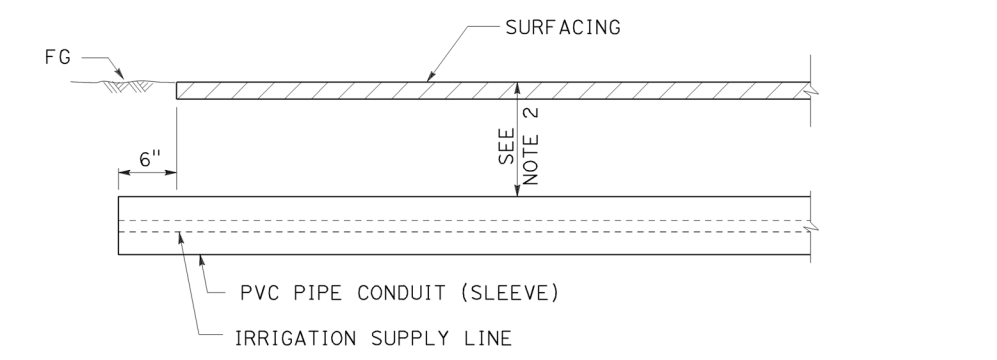
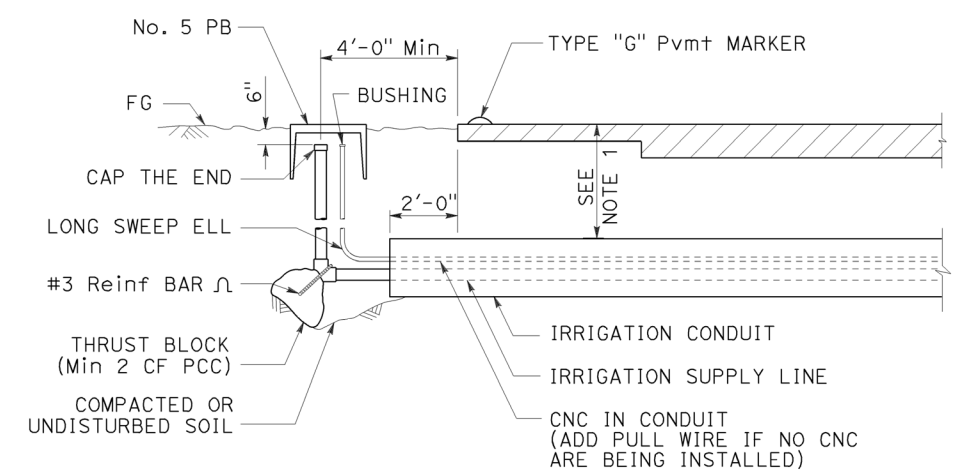

 Michael V. Ferraro
 LICENSED LANDSCAPE ARCHITECT
 License No. 9-30-19
 Renewal Date
 State of California

* WHEN USED WITH RECYCLED WATER REPLACE GSP PIPE FITTINGS WITH PVC AND COUPLING.



NOTES:

1. 40" - 50"
2. 12" downstream of RCV
18" upstream of RCV



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
LANDSCAPE DETAILS
NO SCALE

RSP H8 DATED APRIL 19, 2019 SUPERSEDES STANDARD PLAN H8
DATED MAY 31, 2018 - PAGE 273 OF THE STANDARD PLANS BOOK DATED 2018.

REVISED STANDARD PLAN RSP H8

2018 REVISED STANDARD PLAN RSP H8