

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-3	LAYOUTS
4	CONSTRUCTION DETAILS
5	EROSION CONTROL PLAN
6	CONSTRUCTION AREA SIGNS
7-9	TRAFFIC HANDLING PLANS AND QUANTITIES
10	SUMMARY OF QUANTITIES
11-13	REVISED STANDARD PLANS

BUILDING PLANS

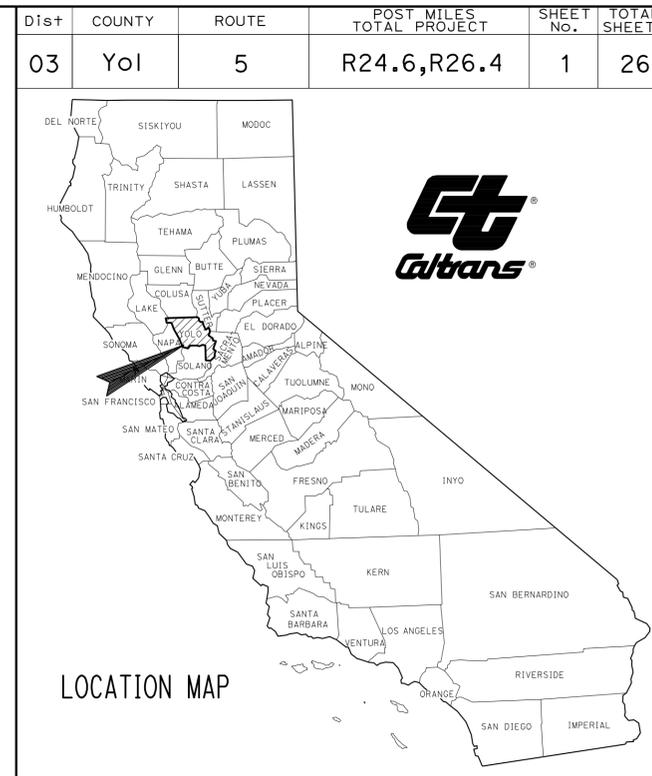
14	GENERAL PLAN
15-26	SANITARY PLANS

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

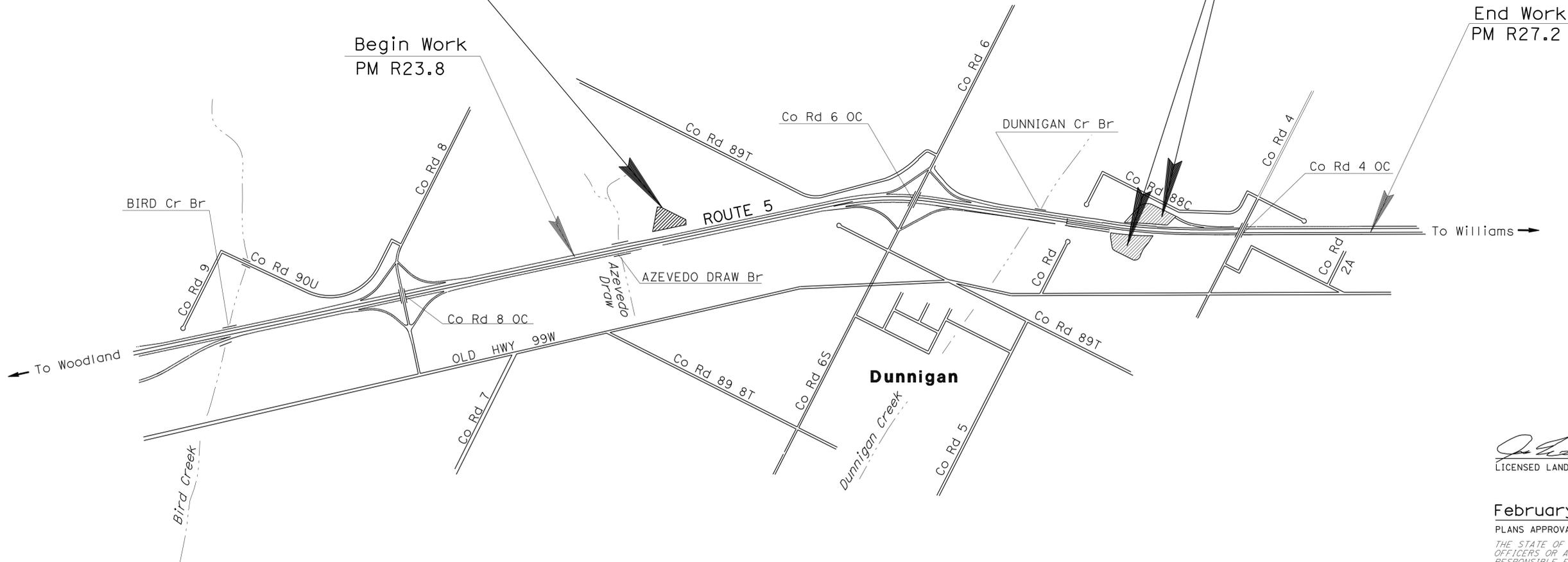
PROJECT PLANS FOR BUILDING CONSTRUCTION ON  
STATE HIGHWAY  
IN YOLO COUNTY NEAR DUNNIGAN  
AT 1.0 MILE SOUTH  
OF COUNTY ROAD 6 OVERCROSSING AND AT  
DUNNIGAN SAFETY ROADSIDE REST AREA

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATION OF CONSTRUCTION  
DUNNIGAN SAFETY ROADSIDE REST AREA PM R26.4

LOCATION OF CONSTRUCTION  
SEWER PONDS PM R24.6



NO SCALE

PROJECT MANAGER  
**JONATHAN PRAY**  
SENIOR LANDSCAPE ARCHITECT  
**KENNETH MURRAY**

*James G. Williamson*  
LICENSED LANDSCAPE ARCHITECT



February 28, 2011  
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.	<b>03-0F6204</b>
PROJECT ID	<b>0300000096</b>



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	3	26

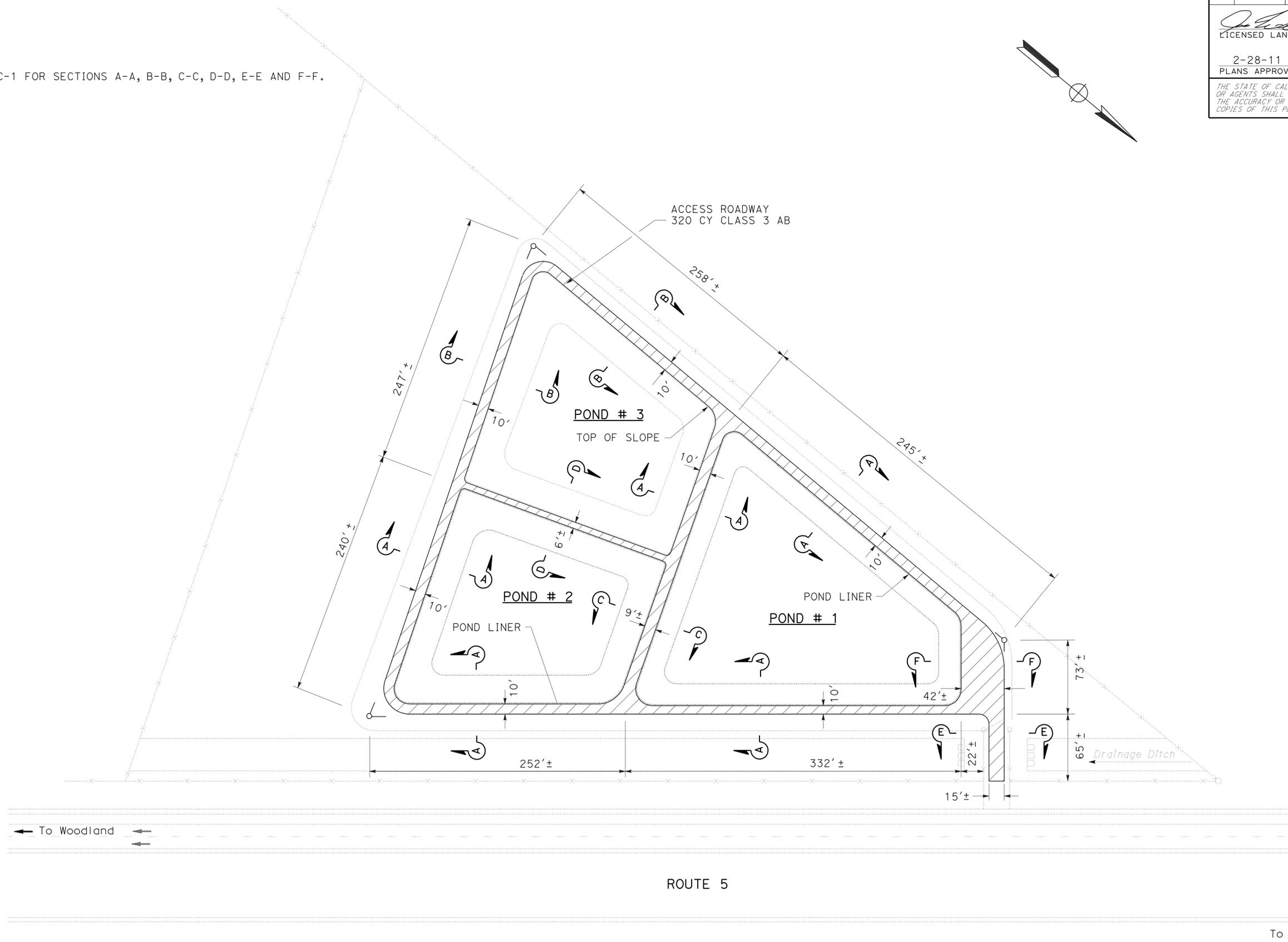
  

<i>[Signature]</i> LICENSED LANDSCAPE ARCHITECT	
2-28-11	PLANS APPROVAL DATE
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>	



**NOTE:**

1. SEE C-1 FOR SECTIONS A-A, B-B, C-C, D-D, E-E AND F-F.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
<b>Caltrans</b> LANDSCAPE ARCHITECTURE	KENNETH MURRAY	J. WILLIAMSON	
		K. MURRAY	
	CHECKED BY	DESIGNED BY	

**LAYOUT**  
SCALE: 1" = 50'

**L-2**

LAST REVISION | DATE PLOTTED => 01-MAR-2011  
12-07-10 TIME PLOTTED => 11:05

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	YoI	5	R24.6,R26.4	4	26

Signature: *[Signature]*  
 LICENSED LANDSCAPE ARCHITECT  
 JAMES G. WILLIAMSON  
 No. 5415  
 Signature: *[Signature]*  
 02-29-12  
 Renewal Date  
 12-14-10  
 Date  
 STATE OF CALIFORNIA

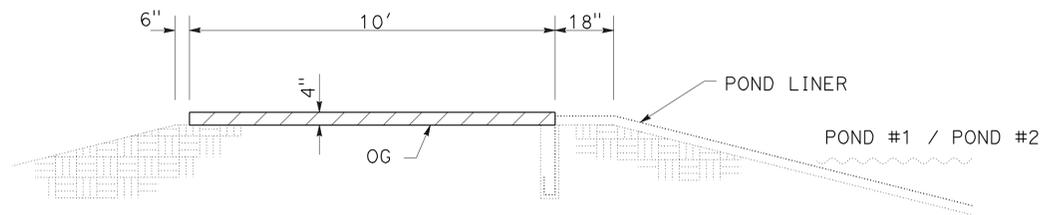
2-28-11  
 PLANS APPROVAL DATE

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.

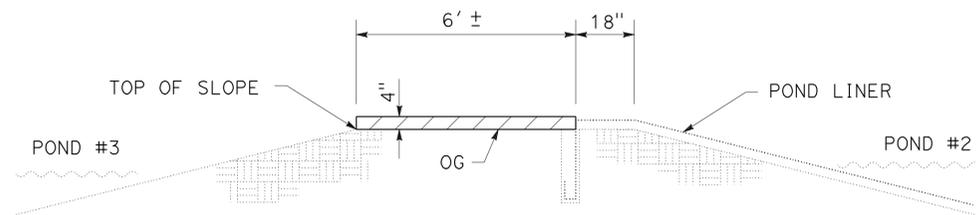
**LEGEND:**



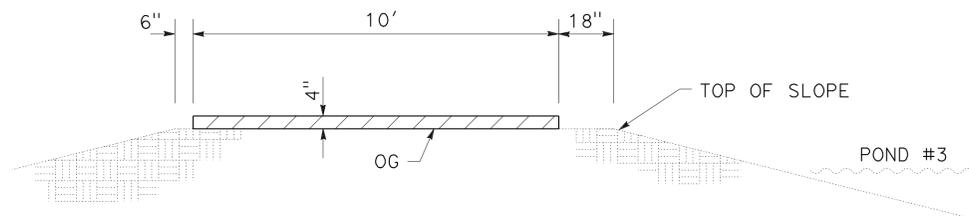
- ACCESS ROADWAY, CLASS 3 AB



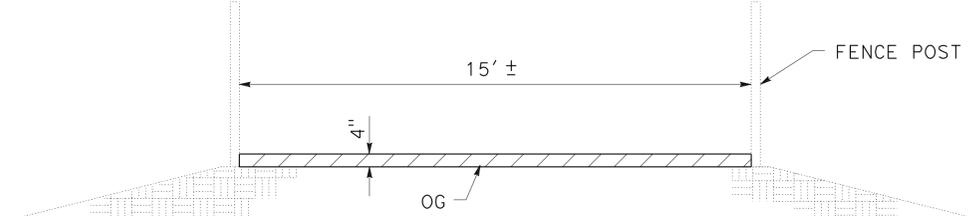
SECTION A-A



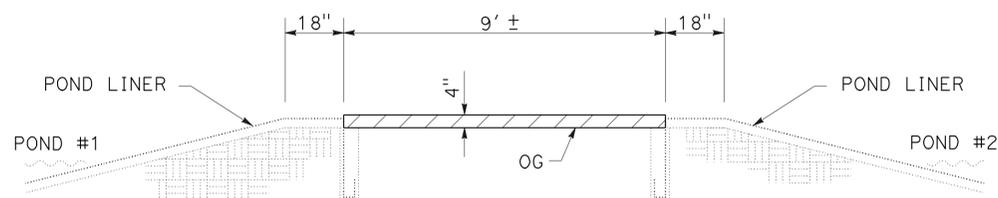
SECTION D-D



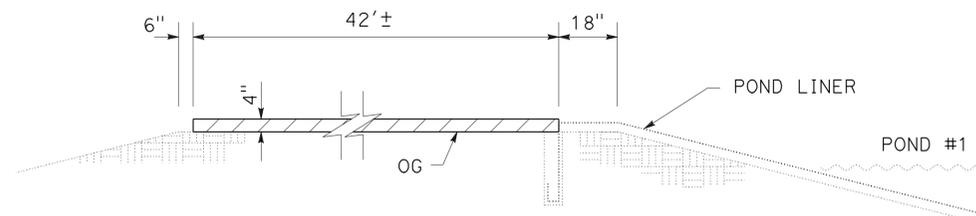
SECTION B-B



SECTION E-E



SECTION C-C



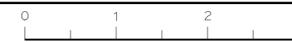
SECTION F-F

REVISIONS:  
 REVISED BY: J. WILLIAMSON  
 DATE: K. MURRAY  
 CALCULATED/DESIGNED BY: KENNETH MURRAY  
 CHECKED BY:  
 FUNCTIONAL SUPERVISOR: KENNETH MURRAY  
 DEPARTMENT OF TRANSPORTATION: LANDSCAPE ARCHITECTURE  
 STATE OF CALIFORNIA - CALTRANS

**CONSTRUCTION DETAILS**

NO SCALE

**C-1**



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	5	26

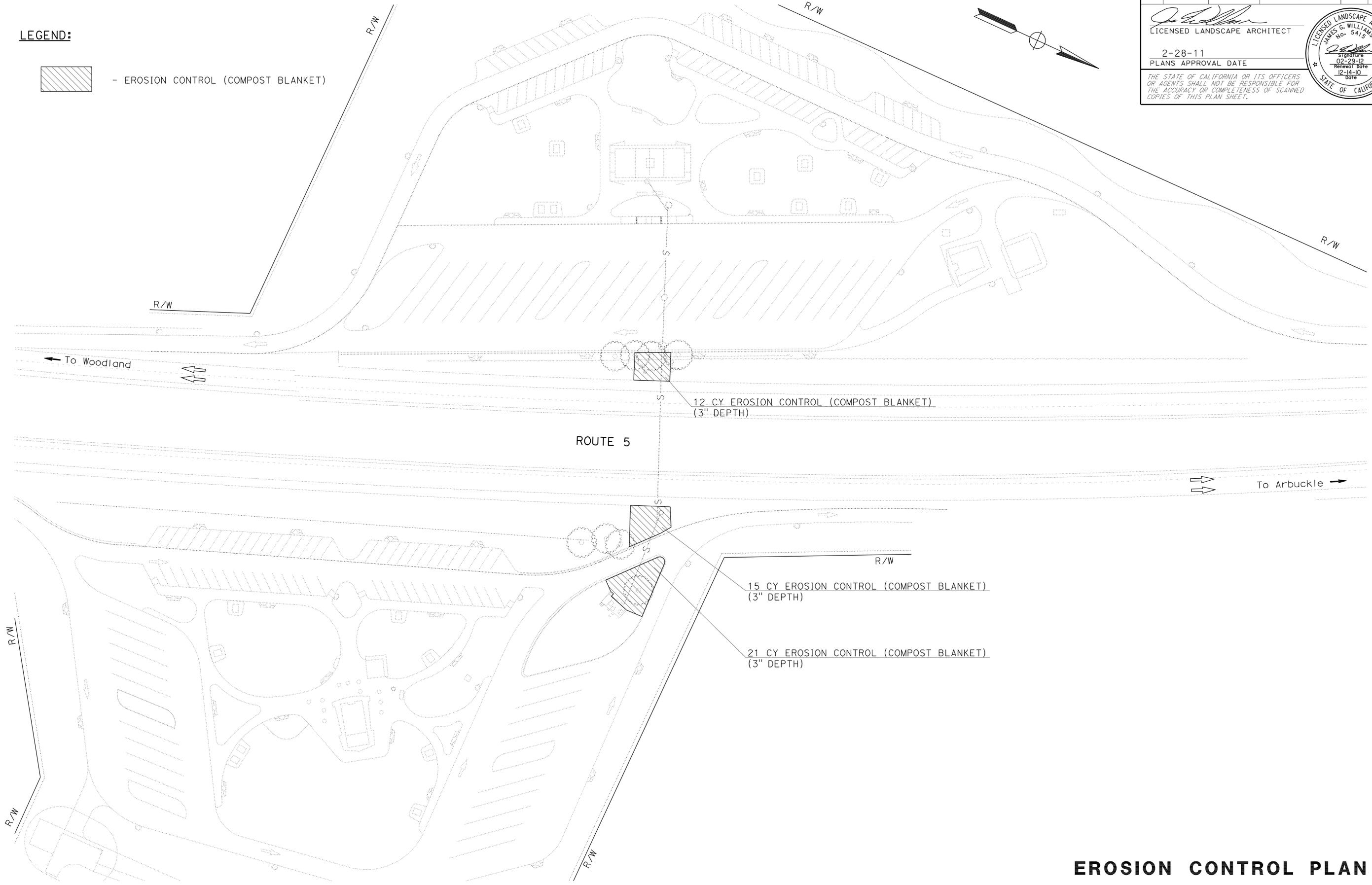
Signature: *J. Williamson*  
 LICENSED LANDSCAPE ARCHITECT  
 2-28-11  
 PLANS APPROVAL DATE

Signature: *James G. Williamson*  
 LICENSED LANDSCAPE ARCHITECT  
 No. 5415  
 Signature: *[Signature]*  
 02-29-12  
 Renewal Date: 12-14-10  
 State of California

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.

**LEGEND:**

 - EROSION CONTROL (COMPOST BLANKET)



**EROSION CONTROL PLAN**

SCALE: 1" = 50'

**EC-1**

THIS PLAN ACCURATE FOR EROSION CONTROL WORK ONLY



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** LANDSCAPE ARCHITECTURE  
 FUNCTIONAL SUPERVISOR  
**KENNETH MURRAY**  
 CALCULATED/DESIGNED BY  
**KENNETH MURRAY**  
 CHECKED BY  
**K. MURRAY**  
 REVISED BY  
**J. WILLIAMSON**  
 DATE REVISED

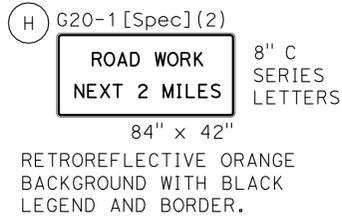
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	6	26

REGISTERED CIVIL ENGINEER  
 Jeffrey S. Jewett  
 No. 49233  
 Exp. 9-30-12  
 CIVIL  
 STATE OF CALIFORNIA

12-14-10 DATE  
 2-28-11 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.

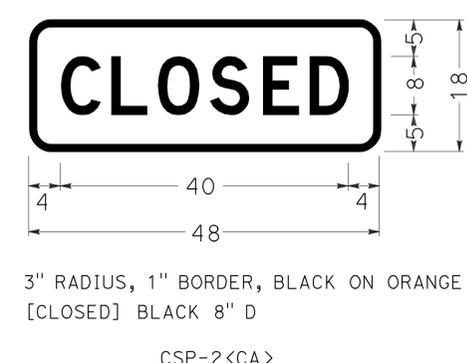
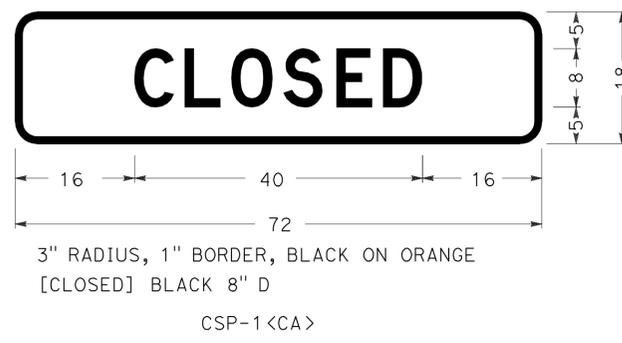
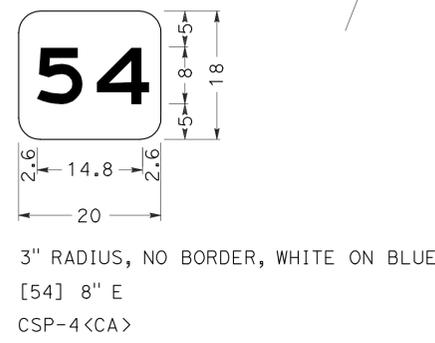
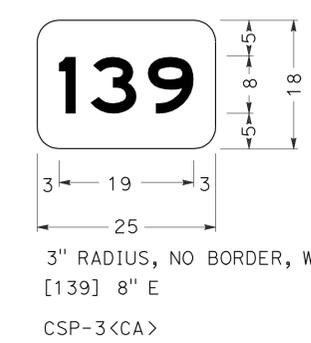
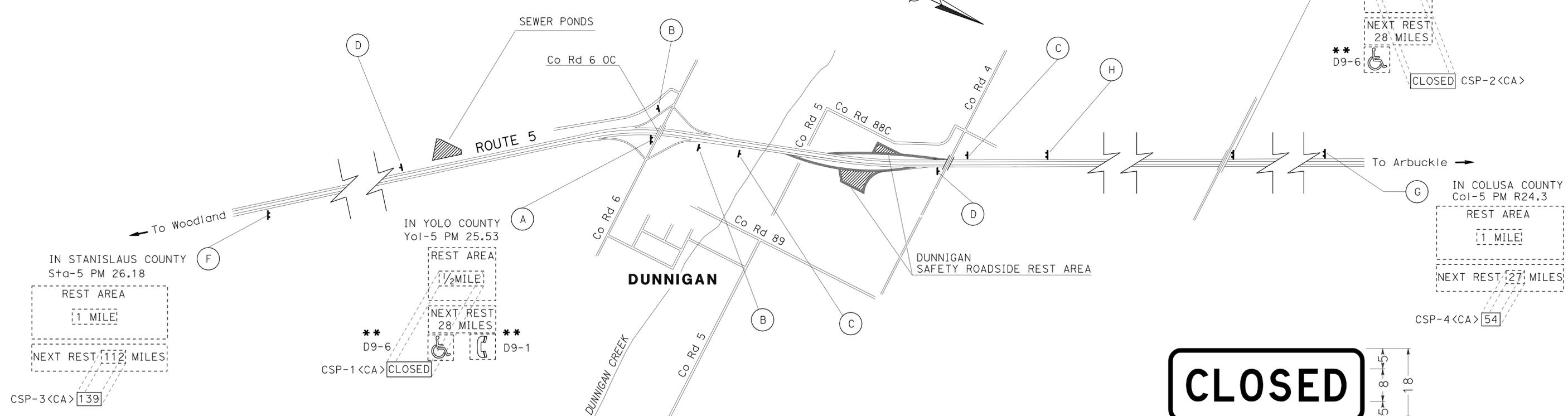
STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
(A)		CSP-1	72" x 18"	CLOSED	MOUNT ON EXISTING PANEL	1
(B)	W20-1	C23	48" x 48"	ROAD WORK AHEAD	1 - 4" x 6"	2
(C)		C19	48" x 48"	RAMP CLOSED AHEAD	1 - 4" x 6"	2
(D)		C14	48" x 24"	END ROAD WORK	1 - 4" x 6"	2
(E)		CSP-2	48" x 18"	CLOSED	MOUNT ON EXISTING PANEL	1
(F)		CSP-3	25" x 18"	139	MOUNT ON EXISTING PANEL	1
(G)		CSP-4	20" x 18"	54	MOUNT ON EXISTING PANEL	1
(H)	G20-1 [Spec] (2)		84" x 42"	ROAD WORK NEXT 2 MILES	2 - 4" x 6"	1



**LEGEND**  
 \*\* COVER DURING CONSTRUCTION  
 <CA> CALIFORNIA SIGN CODE  
 1 SIGN - SINGLE POST  
 2 SIGN - TWO POSTS

- NOTES:**
- EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
  - CSP = SPECIAL STATIONARY MOUNTED CONSTRUCTION AREA SIGN.
  - ALL SIGN CODES ARE FEDERAL SIGN CODES UNLESS OTHERWISE DESIGNATED AS CALIFORNIA SIGN CODES.
  - FOR ADDITIONAL STATIONARY MOUNTED CONSTRUCTION AREA SIGNS, SEE TRAFFIC HANDLING PLANS.
  - CSP-1 DOES NOT REQUIRE FRAMING.
  - ALL SIGN PANEL DETAIL DIMENSIONS ARE IN INCHES.
  - THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGNS ONLY.



**CONSTRUCTION AREA SIGNS**  
NO SCALE  
**CS-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CHUCK COOK  
 REVISOR  
 JEFF JEWETT  
 DATE  
 JOSEPH W. HORTON  
 SUPERVISOR  
 TRAFFIC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	7	26

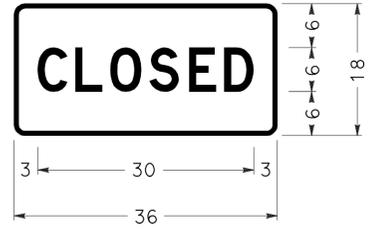
<i>Jeffrey Jewett</i> REGISTERED CIVIL ENGINEER DATE 12-14-10	
2-28-11 PLANS APPROVAL DATE	
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.	

REGISTERED PROFESSIONAL ENGINEER <i>Jeffrey S. Jewett</i> No. 49233 Exp. 9-30-12 CIVIL STATE OF CALIFORNIA
---

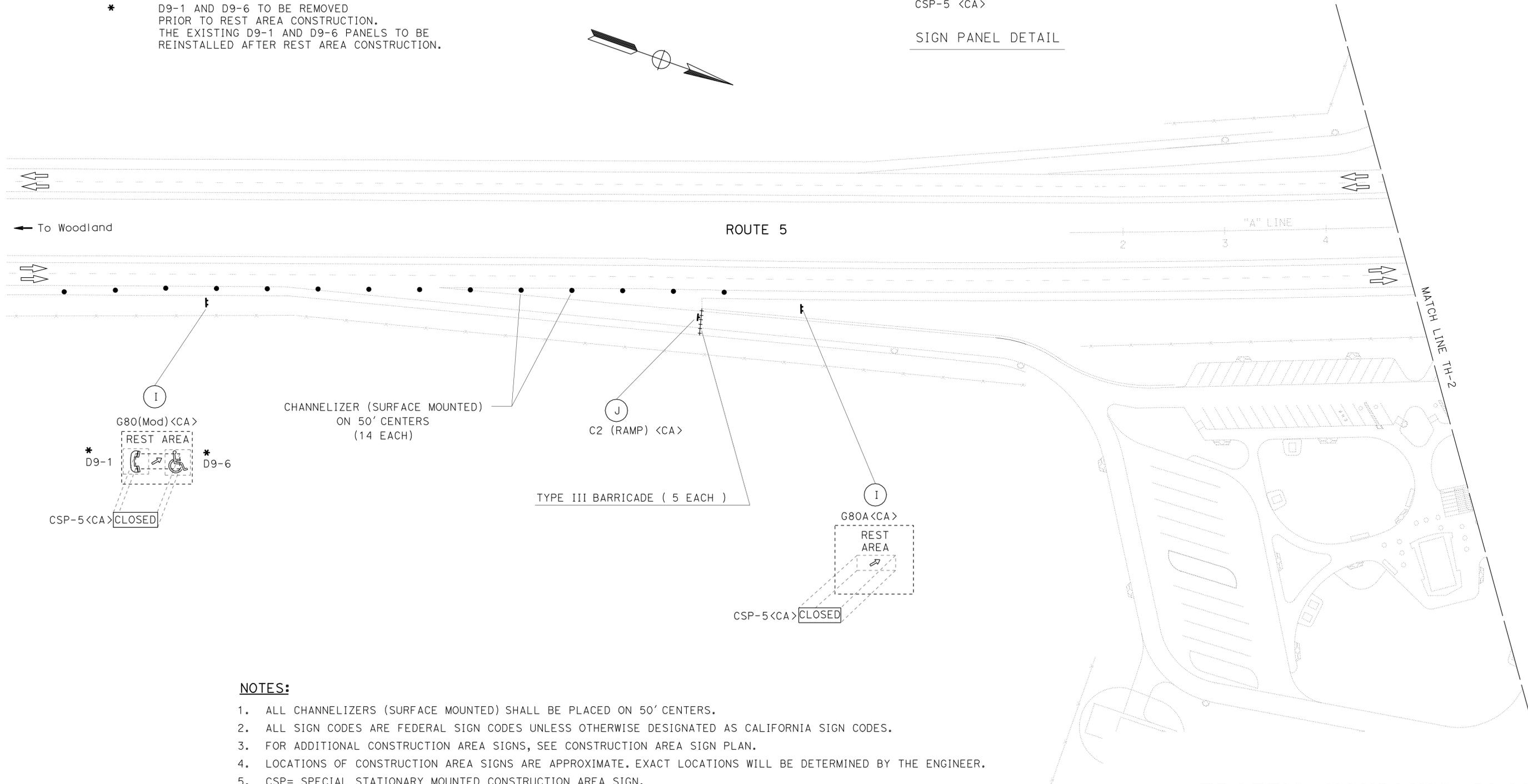
**LEGEND:**

- ➡ DIRECTION OF TRAVEL
- ⊗ CONSTRUCTION AREA SIGN LETTER
- <CA> CALIFORNIA SIGN CODE
- ‡ SIGN - TWO POST
- ‡ SIGN - ON BARRICADE
- ‡ TYPE III BARRICADE
- CHANNELIZER (SURFACE MOUNTED) (SEE NOTE 1)
- \* D9-1 AND D9-6 TO BE REMOVED PRIOR TO REST AREA CONSTRUCTION. THE EXISTING D9-1 AND D9-6 PANELS TO BE REINSTALLED AFTER REST AREA CONSTRUCTION.



1" RADIUS, 0.75" BORDER, BLACK ON ORANGE  
 [CLOSED] 6" D;  
 CSP-5 <CA>  
 SIGN PANEL DETAIL

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 TRAFFIC  
 FUNCTIONAL SUPERVISOR: JOSEPH W. HORTON  
 CALCULATED/DESIGNED BY: CHUCK COOK  
 CHECKED BY: JEFF JEWETT  
 REVISED BY: CHUCK COOK  
 DATE REVISED: JEFF JEWETT



**NOTES:**

1. ALL CHANNELIZERS (SURFACE MOUNTED) SHALL BE PLACED ON 50' CENTERS.
2. ALL SIGN CODES ARE FEDERAL SIGN CODES UNLESS OTHERWISE DESIGNATED AS CALIFORNIA SIGN CODES.
3. FOR ADDITIONAL CONSTRUCTION AREA SIGNS, SEE CONSTRUCTION AREA SIGN PLAN.
4. LOCATIONS OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
5. CSP= SPECIAL STATIONARY MOUNTED CONSTRUCTION AREA SIGN.
6. ALL SIGN PANEL DETAIL DIMENSIONS ARE IN INCHES.
7. THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

**TRAFFIC HANDLING PLAN**  
 SCALE: 1" = 50'  
**TH-1**

LAST REVISION DATE PLOTTED => 01-MAR-2011  
 12-08-10 TIME PLOTTED => 11:06

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	8	26

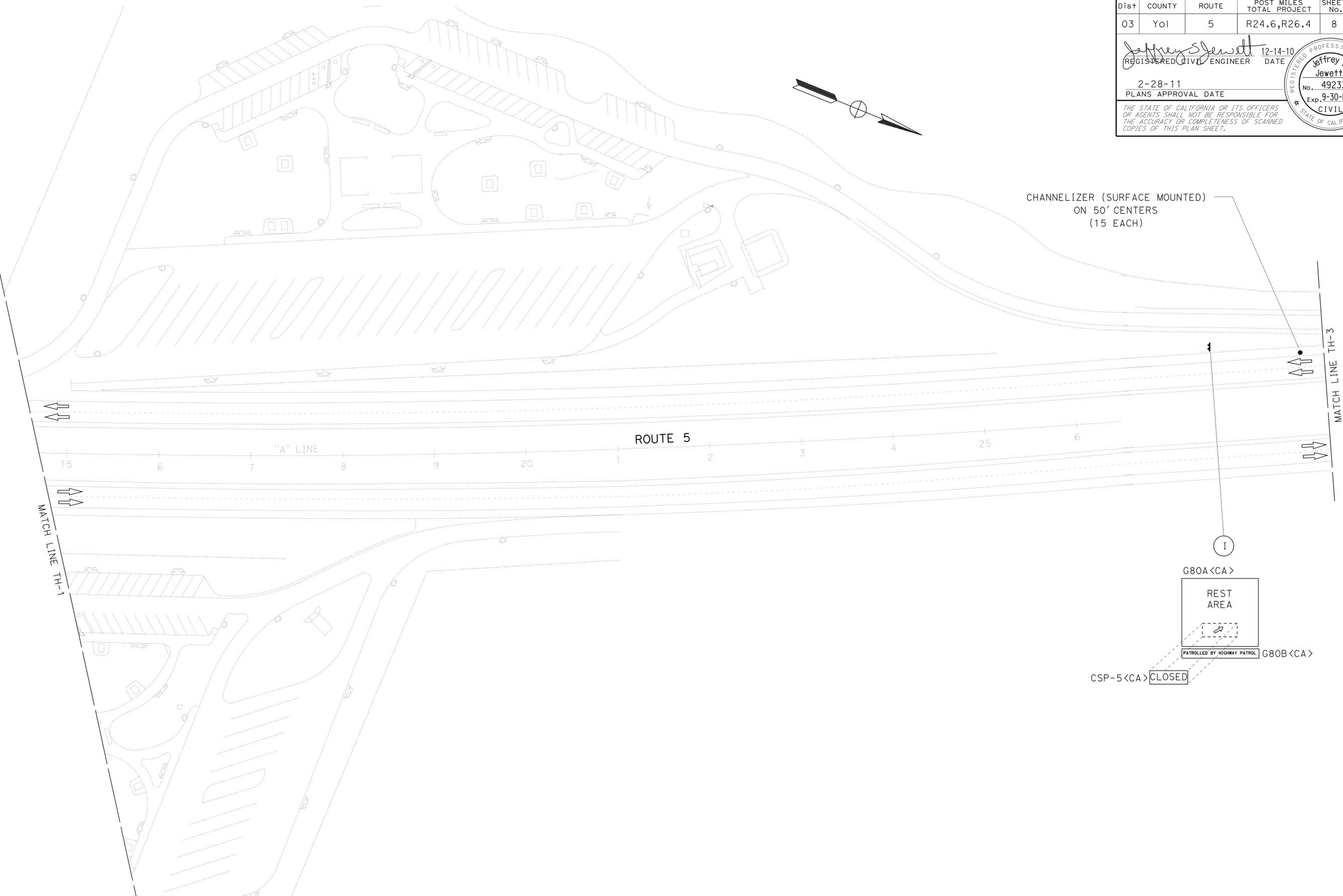
  

<i>Jeffrey Jewett</i>	12-14-10
REGISTERED CIVIL ENGINEER	DATE
2-28-11	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
<i>Jeffrey S. Jewett</i>
No. 49233
Exp. 9-30-12
CIVIL

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**  
 FUNCTIONAL SUPERVISOR: JOSEPH W. HORTON  
 CALCULATED/DESIGNED BY: CHUCK COOK  
 CHECKED BY: JEFF JEWETT  
 REVISED BY: DATE REVISED

**TRAFFIC HANDLING PLAN**  
 SCALE: 1" = 50'  
**TH-2**

NOTE: THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

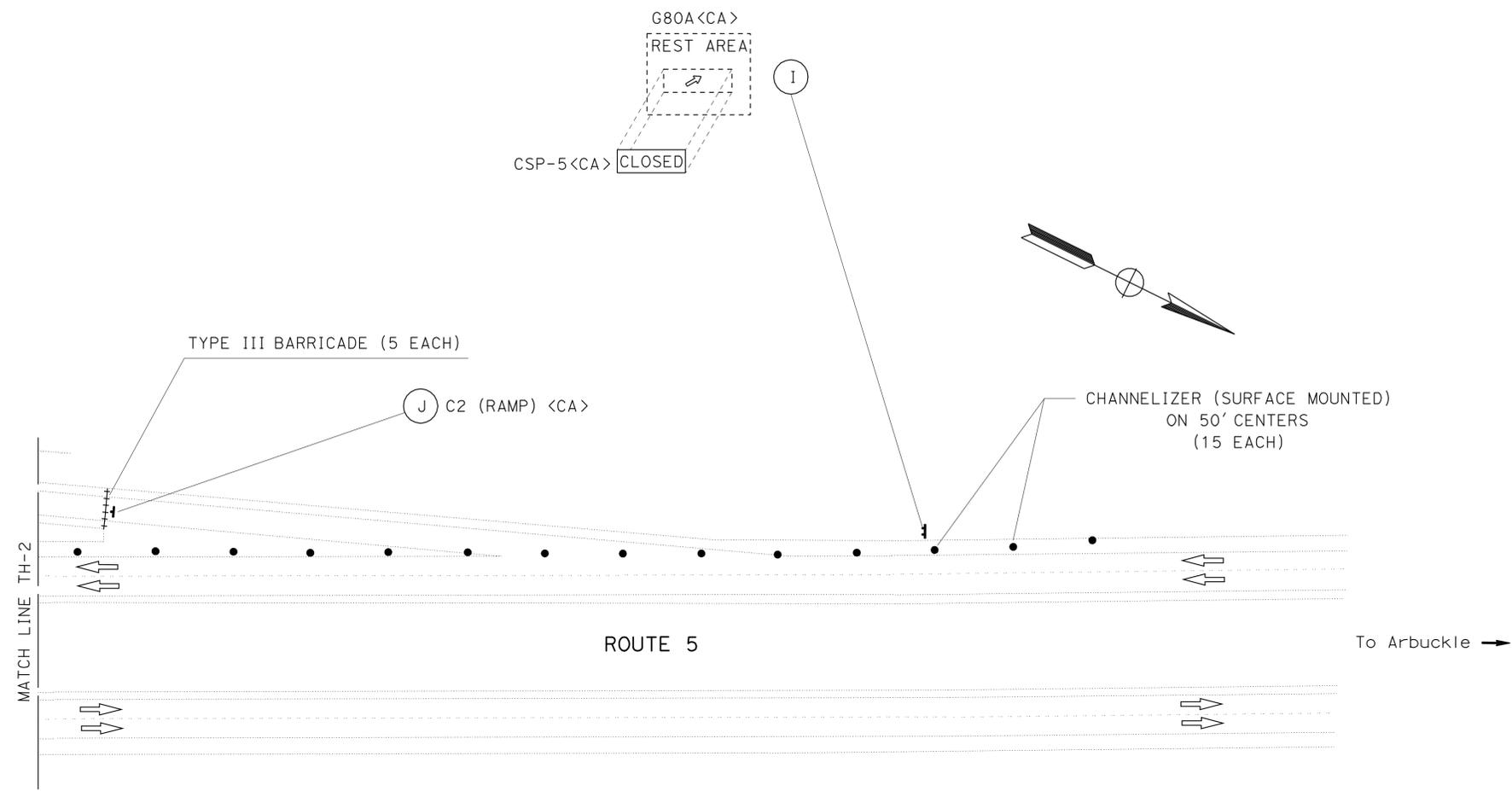
LAST REVISION DATE PLOTTED => 01-MAR-2011  
 12-08-10 TIME PLOTTED => 11:06

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	9	26

Jeffrey S Jewett 12-14-10  
 REGISTERED CIVIL ENGINEER DATE  
 2-28-11  
 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.

REGISTERED PROFESSIONAL ENGINEER  
 Jeffrey S Jewett  
 No. 49233  
 Exp. 9-30-12  
 CIVIL  
 STATE OF CALIFORNIA



ADDITIONAL STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
I		CSP-5	36" x 18"	CLOSED	MOUNT ON EXISTING PANEL	4
J		C2(RAMP)	48" x 30"	RAMP CLOSED	MOUNT ON BARRICADE	2

CHANNELIZER - BARRICADE

LOCATION	CHANNELIZER (SURFACE MOUNTED) (EA)	TYPE III BARRICADE (EA)
NORTH BOUND OFFRAMP	14	5
SOUTH BOUND OFFRAMP	15	5
TOTAL	29	10

TRAFFIC HANDLING PLAN AND QUANTITIES

SCALE: 1" = 50'

TH-3

NOTE: THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 FUNCTIONAL SUPERVISOR: JOSEPH W. HORTON  
 DESIGNED BY: CHUCK COOK  
 CHECKED BY: JEFF JEWETT  
 REVISIONS: (None listed)

LAST REVISION: 12-08-10  
 DATE PLOTTED => 01-MAR-2011  
 TIME PLOTTED => 11:06

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** LANDSCAPE ARCHITECTURE  
 FUNCTIONAL SUPERVISOR  
 KENNETH MURRAY  
 CALCULATED/DESIGNED BY  
 CHECKED BY  
 J. WILLIAMSON  
 K. MURRAY  
 REVISED BY  
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	10	26

  
 LICENSED LANDSCAPE ARCHITECT  
 2-28-11  
 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.

**ROADWAY ITEMS**

SHEET	REMOVE CONCRETE CURB AND SIDEWALK	MINOR CONCRETE (CURB AND SIDEWALK)	CLASS 3 AB
	CY	CY	CY
L-1	9.5	9.5	
L-2			320

**ROADSIDE CLEARING**

SHEET	(N)
	REMOVE TREE
L-1	EA
	2

\*(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

**TEMPORARY BEST MANAGEMENT PRACTICES**

TEMPORARY CONSTRUCTION ENTRANCE
EA
1

**RESET BENCH**

SHEET	RESET BENCH
	EA
L-1	2

**EROSION CONTROL QUANTITIES**

SHEET	EROSION CONTROL (COMPOST BLANKET)
	CY
EC-1	48

**SUMMARY OF QUANTITIES**

**Q-1**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	11	26

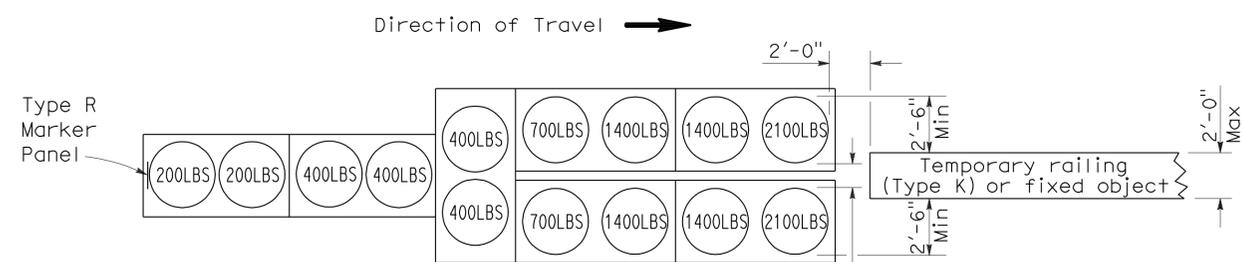
*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

*The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.*

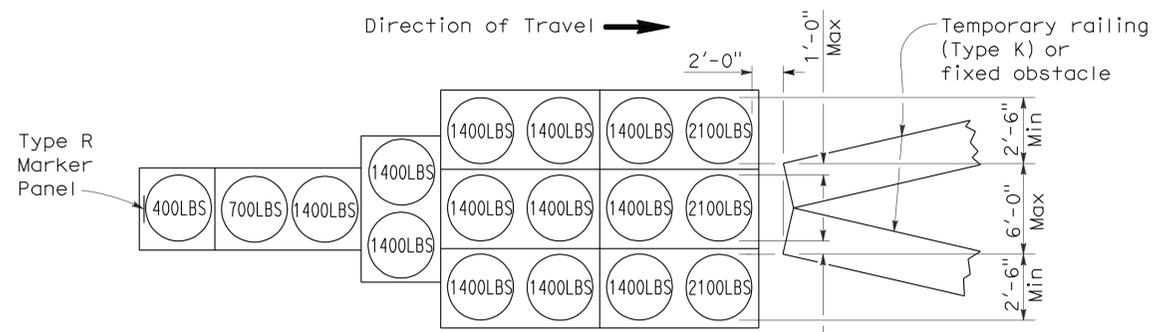
REGISTERED PROFESSIONAL ENGINEER  
Randell D. Hiatt  
No. C50200  
Exp. 6-30-09  
CIVIL  
STATE OF CALIFORNIA

To accompany plans dated 2-28-11



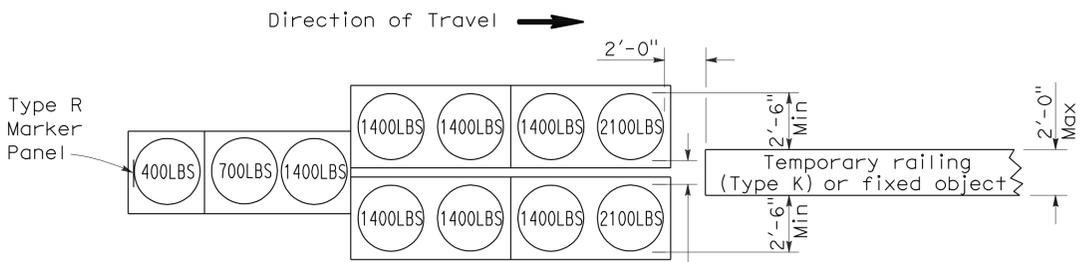
**ARRAY 'TU14'**

Approach speed 45 mph or more



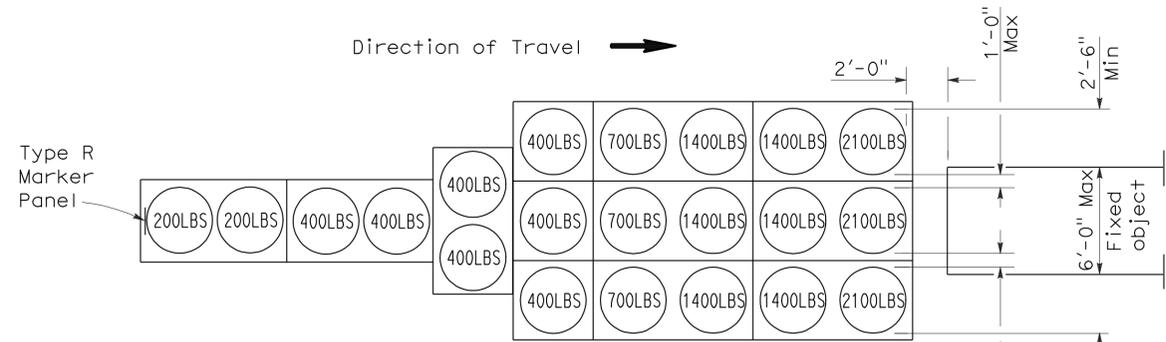
**ARRAY 'TU17'**

Approach speed less than 45 mph



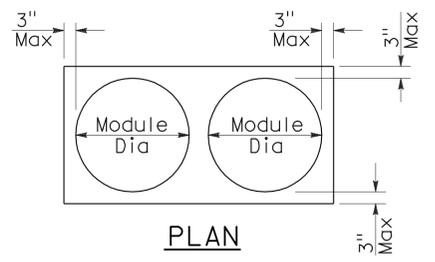
**ARRAY 'TU11'**

Approach speed less than 45 mph

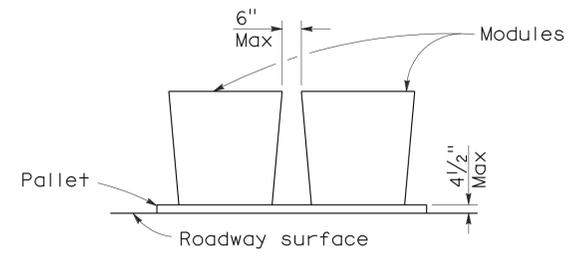


**ARRAY 'TU21'**

Approach speed 45 mph or more



**PLAN**



**ELEVATION**

**CRASH CUSHION PALLET DETAIL**

See Note 7

**NOTES:**

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 1" below the module lid.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,  
SAND FILLED  
(UNIDIRECTIONAL)**

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A  
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP T1A**

2006 REVISED STANDARD PLAN RSP T1A

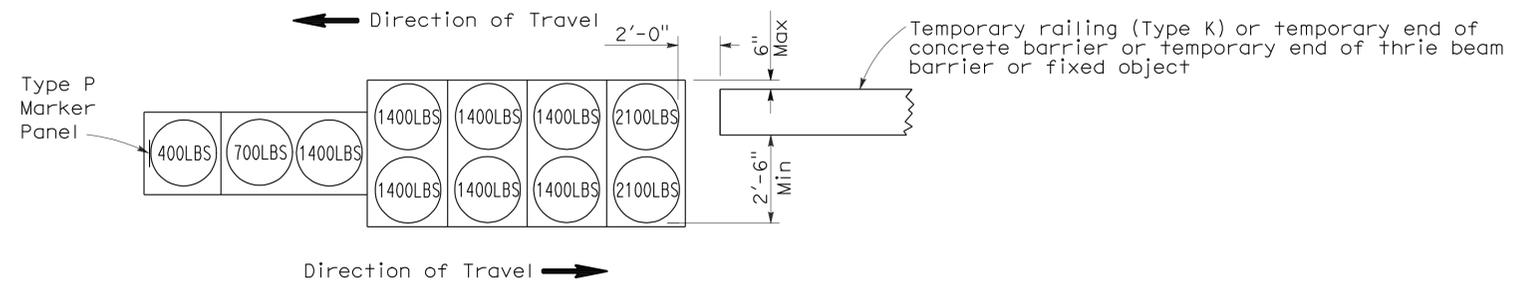
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	12	26

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

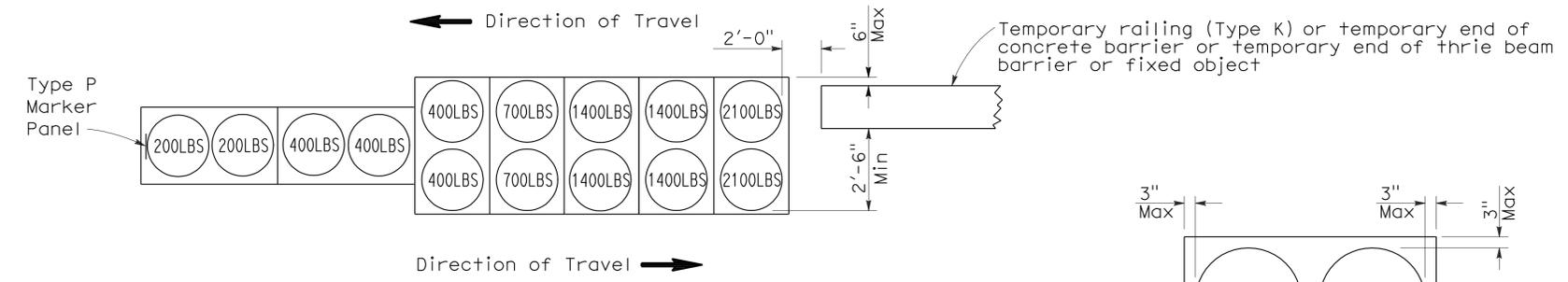
*The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.*

To accompany plans dated 2-28-11



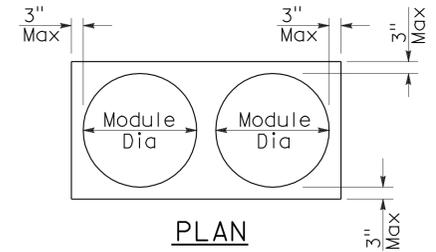
**ARRAY 'TB11'**

Approach speed less than 45 mph

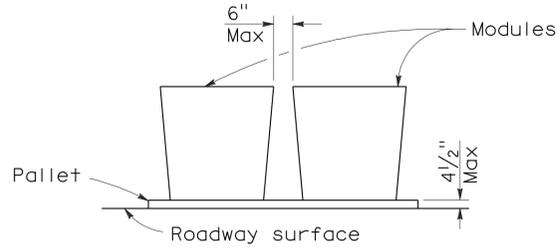


**ARRAY 'TB14'**

Approach speed 45 mph or more



PLAN



ELEVATION

**CRASH CUSHION PALLET DETAIL**

See Note 7

**NOTES:**

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,  
SAND FILLED  
(BIDIRECTIONAL)**

NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B  
DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP T1B**

2006 REVISED STANDARD PLAN RSP T1B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	13	26

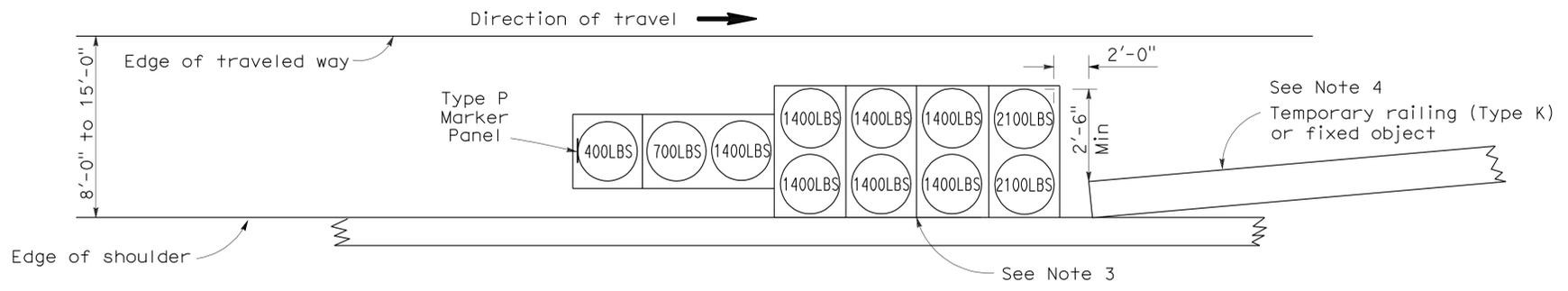
*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

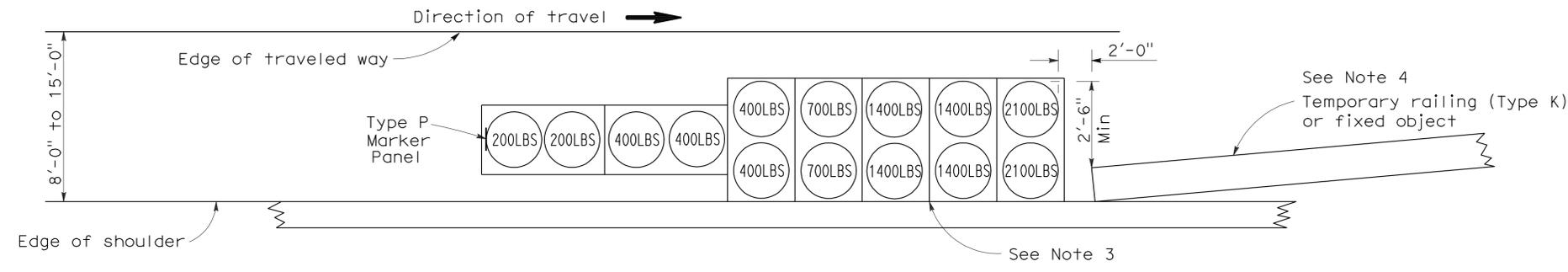
*The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.*

REGISTERED PROFESSIONAL ENGINEER  
Randell D. Hiatt  
No. C50200  
Exp. 6-30-09  
CIVIL  
STATE OF CALIFORNIA

To accompany plans dated 2-28-11



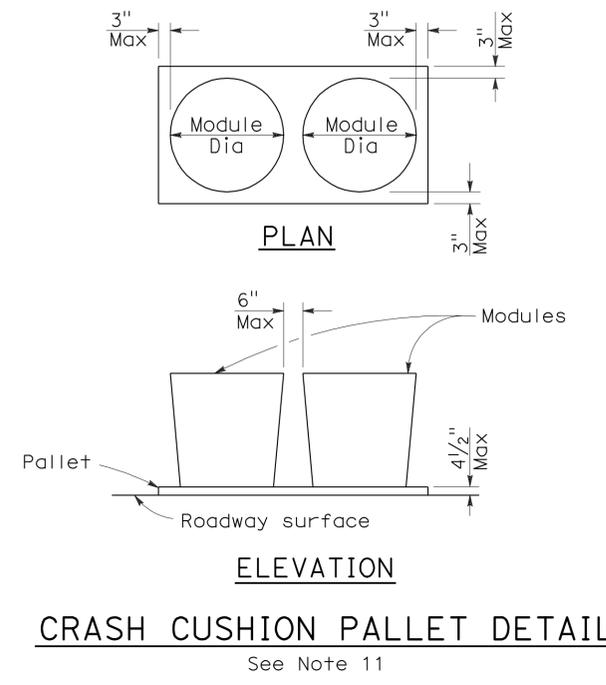
**ARRAY 'TS11'**  
Approach speed less than 45 mph  
See Note 9



**ARRAY 'TS14'**  
Approach speed 45 mph or more  
See Note 9

**NOTES:**

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
4. If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
5. Temporary crash cushion arrays shall not encroach on the traveled way.
6. Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
7. Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
8. Refer to Standard Plan A73B for marker details.
9. For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
10. Approach speeds indicated conform to NCHRP 350 Report criteria.
11. Use of pallets is optional.



**CRASH CUSHION PALLET DETAIL**  
See Note 11

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**TEMPORARY CRASH CUSHION,  
SAND FILLED  
(SHOULDER INSTALLATIONS)**  
NO SCALE

RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2  
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP T2**

2006 REVISED STANDARD PLAN RSP T2

**INDEX OF PLANS:**

- GP GENERAL PLAN
- SS-0 NOTES, LEGENDS AND ABBREVIATIONS
- SS-1 NORTHBOUND SITE PLAN
- SS-2 SOUTHBOUND SITE PLAN
- SS-3 EXISTING SEWAGE POND SITE PLAN
- SS-4 REMOVAL SEWAGE DISPOSAL SITE PLAN
- SS-5 MODIFIED SEWAGE POND SITE PLAN
- SS-6 SECTION AND DETAILS 1
- SS-7 SECTION AND DETAILS 2
- SS-8 SECTION AND DETAILS 3
- SS-9 MANHOLE DETAIL
- SS-10 CLEANOUT DETAILS
- SS-11 SEWER PIPE AND DETAILS

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	14	26

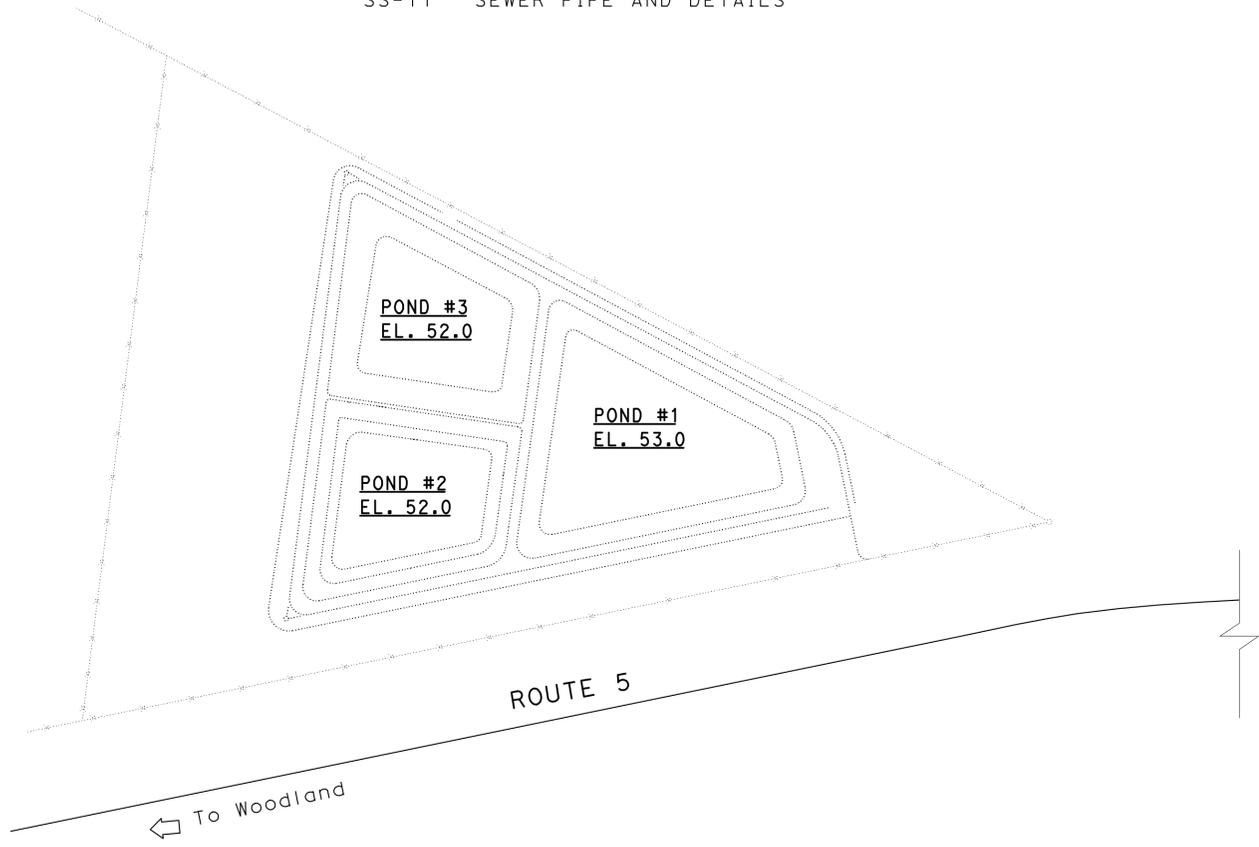
*Jerome R. Marcotte*  
REGISTERED CIVIL ENGINEER

12-01-10  
DATE

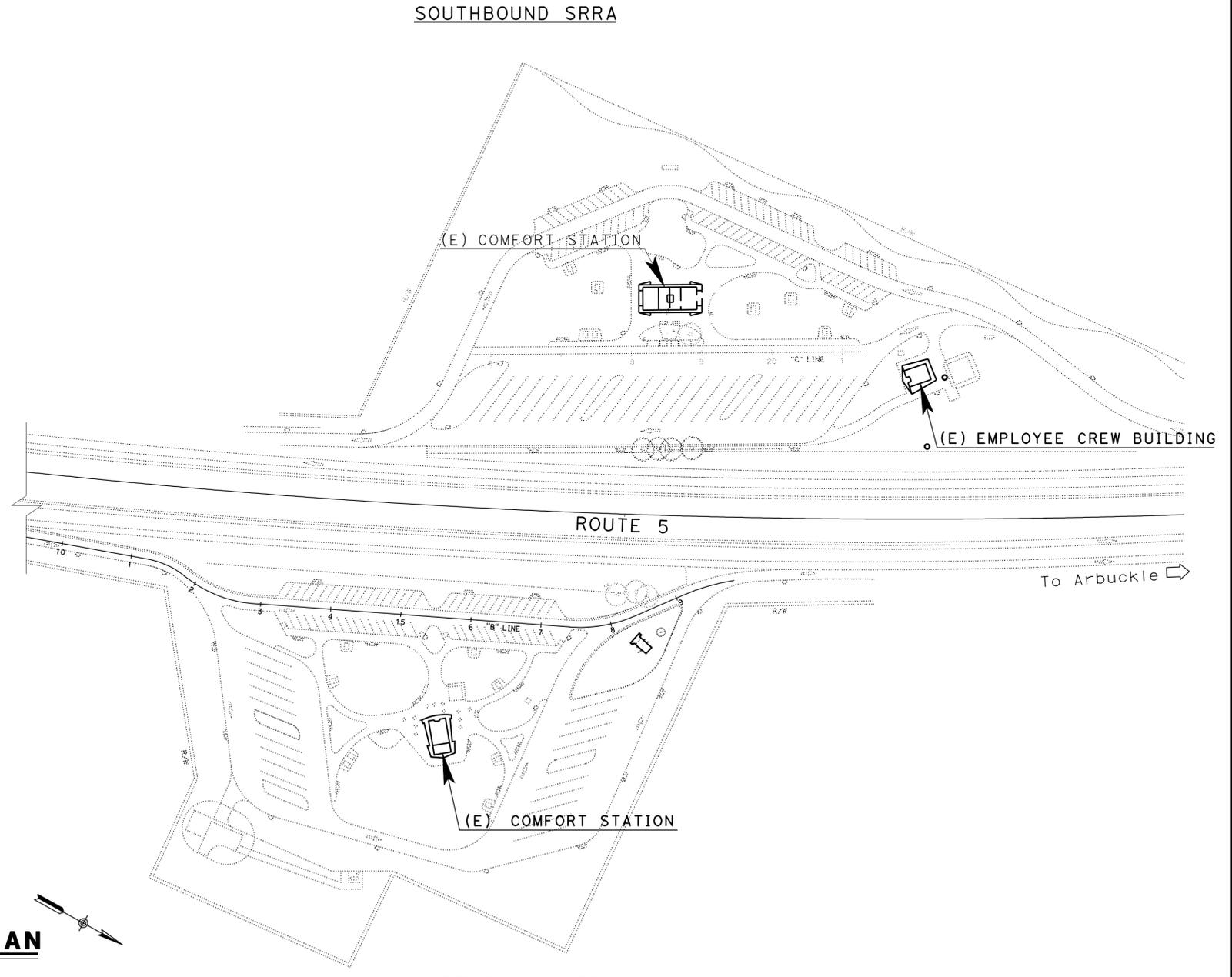
**REGISTERED PROFESSIONAL ENGINEER**  
J. Marcotte  
No. C36844  
Exp. 06-30-12  
CIVIL  
STATE OF CALIFORNIA

2-28-11  
PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



**SEWER PONDS**



**SITE PLAN**

NO SCALE

*Paul Schreff*  
DESIGN SUPERVISOR

*Jerome R. Marcotte*  
DESIGN ENGINEER

DESIGN	BY <i>Laurie Vasquez</i>	CHECKED <i>Don Hansen</i>
DETAILS	BY <i>Kerry Geoffroy</i>	CHECKED <i>Don Hansen</i>
QUANTITIES	BY <i>Laurie Vasquez</i>	CHECKED <i>Don Hansen</i>

STATE OF  
**CALIFORNIA**  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ELECTRICAL-MECHANICAL-WATER  
AND  
WASTEWATER DESIGN

BRIDGE NO.  
22R0001R/L  
POST MILE  
24.6-26.4

**DUNNIGAN S.R.R.A.**  
GENERAL PLAN

SHEET  
**GP**

TAEMWW Imperial Rev. 7/10

ORIGINAL SCALE IN INCHES  
FOR REDUCED PLANS



UNIT  
PROJECT NUMBER & PHASE  
3616  
03000000961  
EA OF 6201

DISREGARD PRINTS BEARING  
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

	11/28/09	5/22/10	6/22/10	8/28/10	12/1/10		
--	----------	---------	---------	---------	---------	--	--

SHEET OF

# ABBREVIATIONS

AB	AGGREGATE BASE	IN	INCH
AC	ASPHALT CONCRETE	IR	IRRIGATION
AIS	AGRICULTURAL INSPECTION STATION	JB	JUNCTION BOX
B	BUNG	KW	KILOWATT
BLDG	BUILDING	LB	POUND
C	CONDUIT	LT	LEFT
C-C	CENTER TO CENTER	MAX	MAXIMUM
CFS	CUBIC FEET PER SECOND	MBV	MOTORIZED BALL VALVE
CI	CAST IRON	MG	MILLION GALLONS
CL	CHAIN LINK	MH	MANHOLE
CMP	CORRUGATED METAL PIPE	MIN	MINIMUM
CONC	CONCRETE	N	NORTH
COTF	CLEANOUT TO FLOOR	NB	NORTHBOUND
COTG	CLEANOUT TO GRADE	NIC	NOT IN CONTRACT
CPLG	COUPLING	NO	NUMBER
CVEF	CALIFORNIA VEHICLE ENFORCEMENT FACILITY	OAL	OVERALL LENGTH
CW	COLD WATER PIPE	OC	ON CENTER
D	DRAIN	OD	OUTSIDE DIAMETER
DBH	DIAMETER AT BREAST HEIGHT	OG	ORIGINAL GROUND
DI	DRAIN INLET	P	PITCH
DIA	DIAMETER	PCC	PORTLAND CEMENT CONCRETE
DP	DRAIN PIPE	PH	PHASE
E	ELECTRICAL	PRV	PRESSURE REDUCING VALVE
(E)	EXISTING	PVC	POLYVINYL CHLORIDE
EA	EACH	R	RADIUS
EL	ELEVATION	RCP	REINFORCED CONCRETE PIPE
EP	EDGE OF PAVEMENT	REQ	REQUIRED
EQ	EQUAL	rpm	REVOLUTIONS PER MINUTE
FD	FLOOR DRAIN	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
FF	FINISH FLOOR	RPU	RECYCLE PROCESS UNIT
FG	FINISH GRADE	RT	RIGHT
FL	FLOW LINE	RW	RAW WATER
FM	FORCE MAIN	R/W	RIGHT-OF-WAY
FOB	FACE OF BUILDING	S	SLOPE
FOC	FACE OF CONCRETE	SB	SOUTHBOUND
FS	FLOW SWITCH	SCH	SCHEDULE
FT	FEET	SD	STORM DRAIN
FTR	FLUE THROUGH ROOF	SP	SEWER PIPE
GA	GAUGE	SQ	SQUARE
GAC	GRANULAR ACTIVATED CARBON	STA	STATION
GAL	GALLON	STD	STANDARD
GPM	GALLONS PER MINUTE	SV	SAMPLING VALVE
GALV	GALVANIZED	TBM	TEMPORARY BENCH MARK
GSP	GALVANIZED STEEL PIPE	TOC	TOP OF CONCRETE
GV	GATE VALVE	TOT	TOTAL
GS	GOVERNMENT SERVICE LINE	TW	TREATED WATER
H	HEIGHT	TYP	TYPICAL
HB	HOSE BIB	VAC	VOLTS AC
HP	HORSEPOWER	VCP	VITRIFIED CLAY PIPE
HZ	HERTZ	W	WATER
ID	INSIDE DIAMETER	W/O	WITHOUT
IE	INVERT ELEVATION	WP	WATER PIPE
		WSP	WELDED STEEL PIPE

# LEGEND

	FENCE		DETAIL SHEET NUMBER
	SURFACE DRAINAGE	99.00	NEW GRADE IN FEET
	ABANDON	X (100.00)	EXISTING SPOT GRADE IN FEET
	SANITARY SEWER		SURFACE DRAINAGE
	DRAIN		ABANDON
	RETURN DRAIN		BENCHMARK ELEVATION
	VENT		CENTERLINE
	WATER		DIAMETER
	FORCE MAIN		SECTION / ELEVATION LETTER SHEET NUMBER
	LEACH LINES		TREE
			DIRECTION OF TRAFFIC

# GENERAL WORK NOTES

The Contractor shall verify all controlling field dimensions and conditions before ordering or fabricating any materials.

The Contractor shall verify exact location of all underground facilities and utilities prior to start of construction.

No 90 degree bends allowed on drain or sewer pipe. Where 90 degree bends are shown, use two 45 degree bends

# PIPE FITTINGS AND VALVES

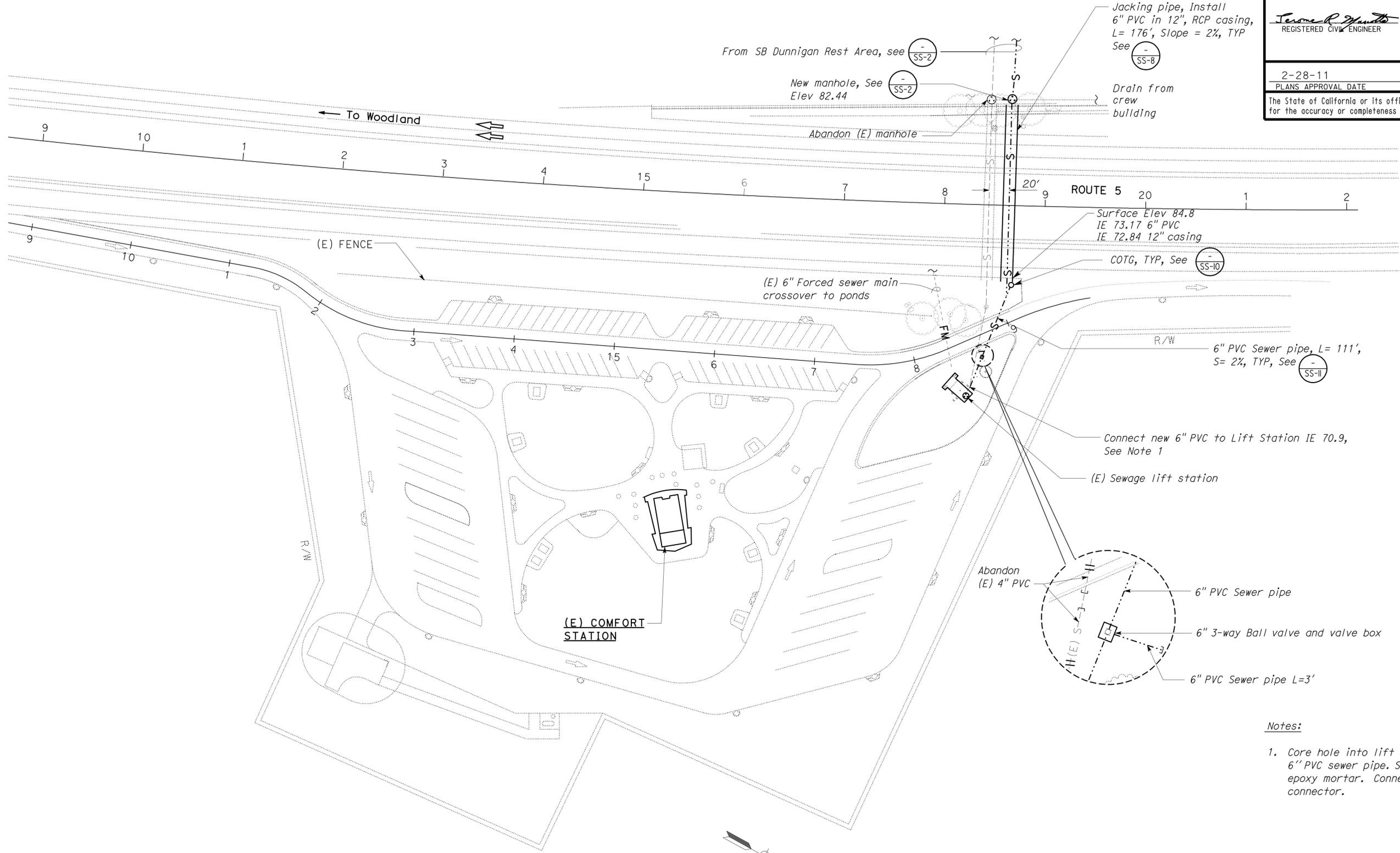
	CAP
	ELBOW, TURNED DOWN
	FLEXIBLE CONNECTOR
	REDUCER, CONCENTRIC
	REDUCER, ECCENTRIC
	PRESSURE GAUGE (WITH VALVE AND SNUBBER)
	UNION
	UNION, INSULATING
	VALVE, BALL
	VALVE, CHECK
	VALVE, GATE
	VALVE, SAFETY RELIEF
	VALVE, PRESSURE REDUCING
	HOSE FAUCET
	SAMPLE VALVE

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	YoI	5	R24.6,R26.4	15	26
 REGISTERED CIVIL ENGINEER			12-01-10 DATE		
2-28-11 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	16	26

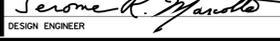
	12-01-10 DATE
2-28-11 PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.	



**Notes:**

1. Core hole into lift station for new 6" PVC sewer pipe. Seal with epoxy mortar. Connect with flexible connector.

**SITE PLAN**  
1:50

 DESIGN SUPERVISOR  DESIGN ENGINEER	DESIGN BY Laurie Vasquez	CHECKED Don Hansen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 22R0001R/L	<b>DUNNIGAN S.R.R.A.</b> NORTHBOUND SITE PLAN	SHEET <b>SS-1</b> OF
	DETAILS BY J.R. Stangl/KG	CHECKED Don Hansen		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE 24.6-26.4		
QUANTITIES BY Laurie Vasquez	CHECKED Don Hansen	UNIT PROJECT NUMBER & PHASE 3616 03000000961		DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 10/10/10 12/01/10		

TAEMWW Imperial Rev. 7/10 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 UNIT PROJECT NUMBER & PHASE 3616 03000000961 DISREGARD PRINTS BEARING EARLIER REVISION DATES 10/10/10 12/01/10

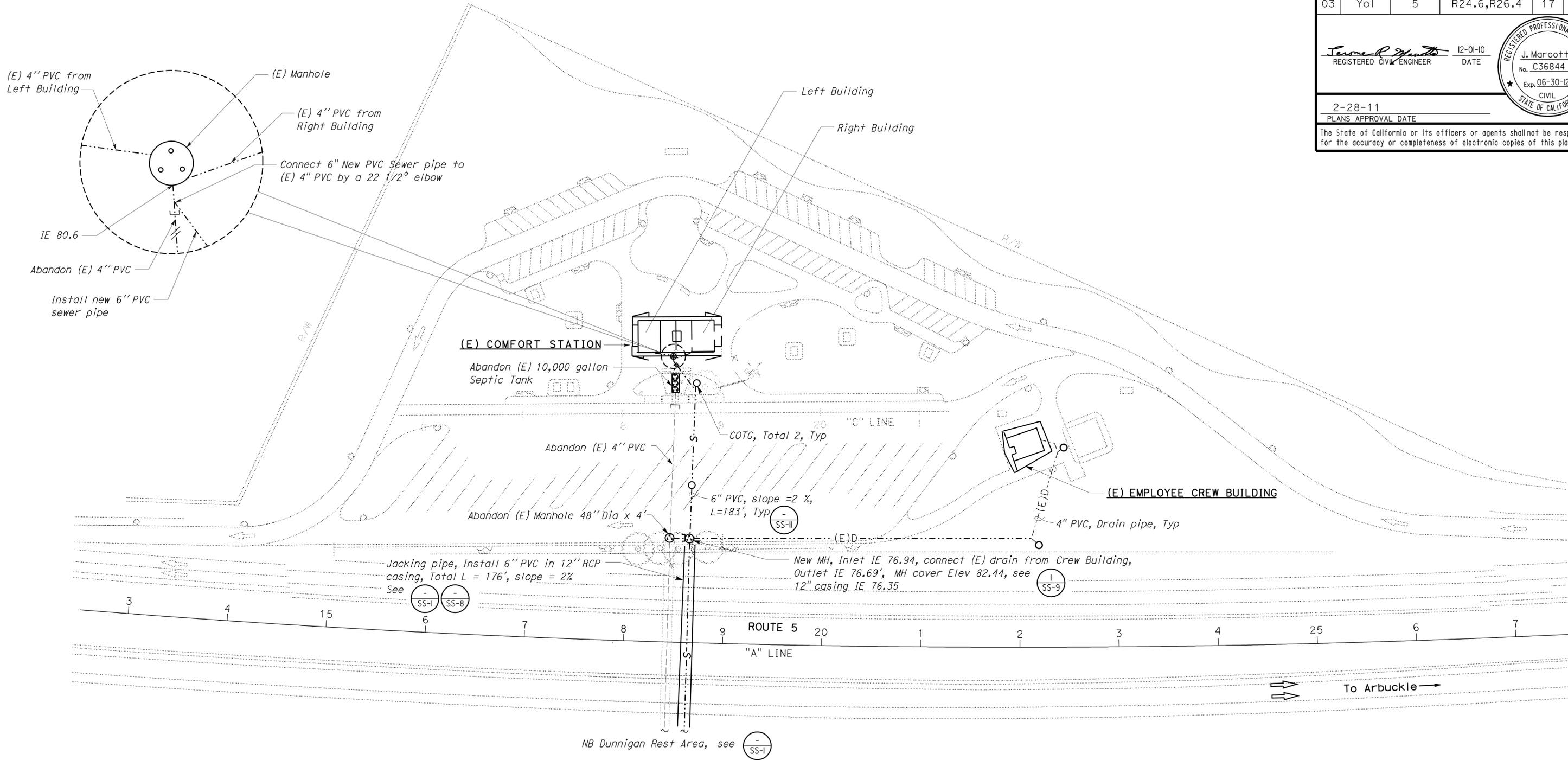
02-MAR-2011 14:00 s\_01.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	17	26

<i>Jerome R. Gault</i> REGISTERED CIVIL ENGINEER	12-01-10 DATE	
2-28-11 PLANS APPROVAL DATE		

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



**SITE PLAN**  
1:50

**NOTE:**  
For sidewalk area and landscaping, See



DESIGN	BY <i>Laurie Vasquez</i>	CHECKED <i>Don Hansen</i>
DETAILS	BY <i>J.R. Stangl/KG</i>	CHECKED <i>Don Hansen</i>
QUANTITIES	BY <i>Laurie Vasquez</i>	CHECKED <i>Don Hansen</i>

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

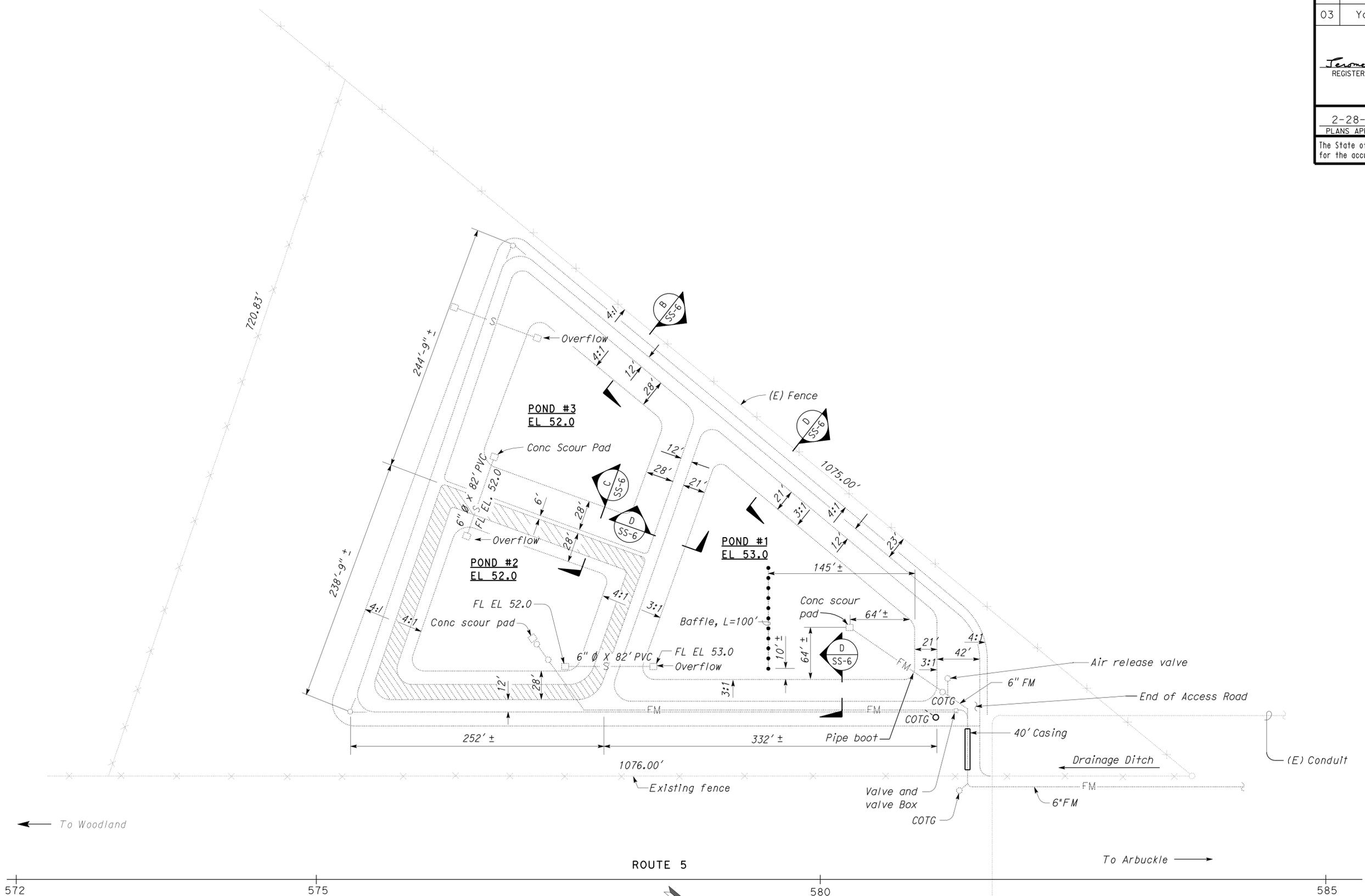
DIVISION OF ENGINEERING SERVICES  
ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO.	22R0001R/L
POST MILE	24.6-26.4

**DUNNIGAN S.R.R.A.**  
SOUTHBOUND SITE PLAN

SHEET **SS-2** OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	18	26
<i>Terone R. Gault</i> REGISTERED CIVIL ENGINEER			12-01-10 DATE		
2-28-11					
PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



**SITE PLAN**  
1:50

DESIGN	BY <i>Laurie Vasquez</i>	CHECKED <i>Don Hansen</i>
DETAILS	BY <i>J.R. Stangl/KG</i>	CHECKED <i>Don Hansen</i>
QUANTITIES	BY <i>Laurie Vasquez</i>	CHECKED <i>Don Hansen</i>

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO.	22R0001R/L	DUNNIGAN S.R.R.A.
POST MILE	24.6-26.4	
EXISTING SEWAGE POND		SITE PLAN

SHEET **SS-3**

TAEMWW Imperial Rev. 7/10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT PROJECT NUMBER & PHASE  
3616 03000000961  
EA OF 6201

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)									
11/28/08	5/22/10	6/22/10	7/14/10	8/22/10	10/1/10	12/01/10			

SHEET OF

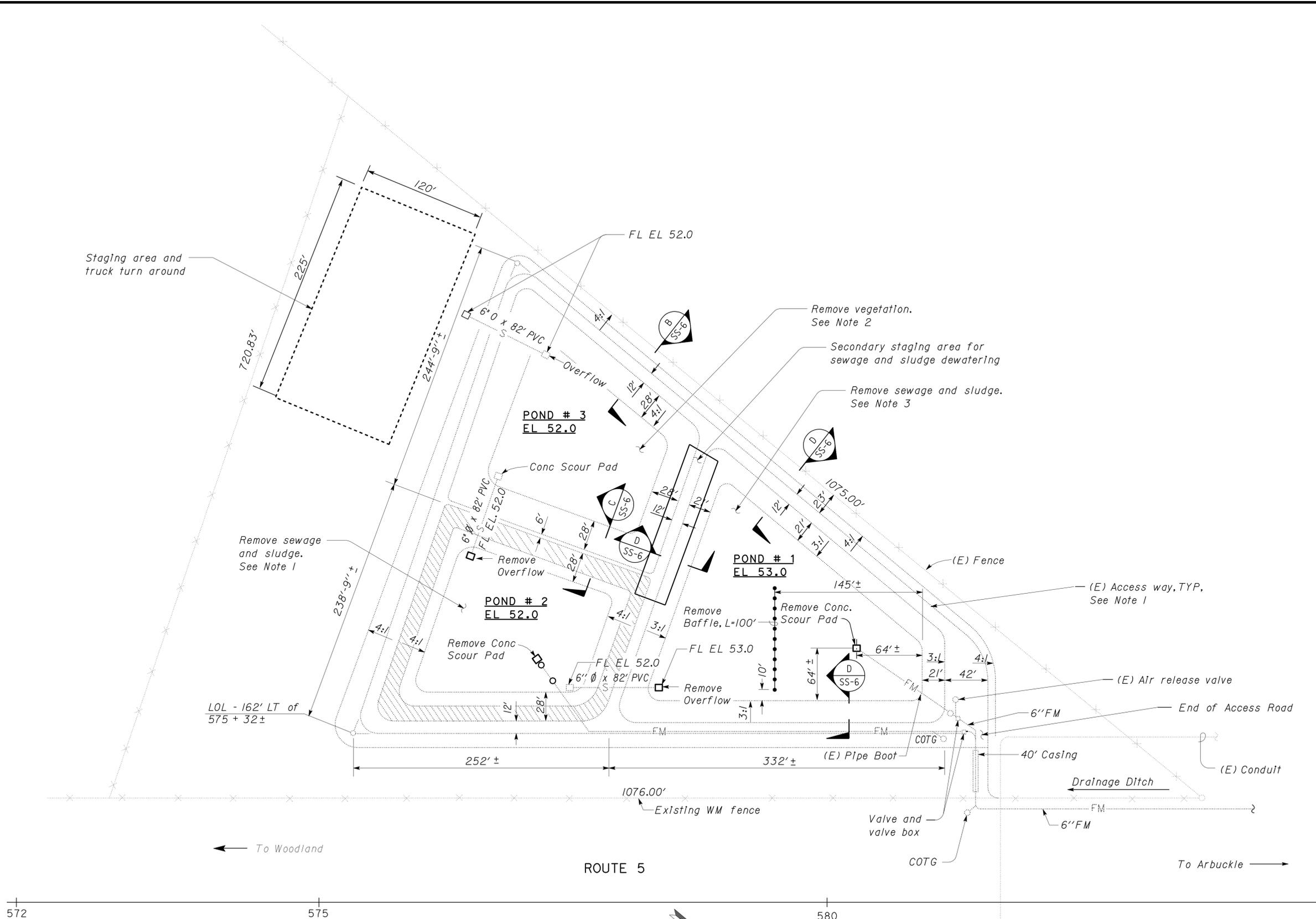
s\_03.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	19	26

<i>Jerome R. Marcotte</i> REGISTERED CIVIL ENGINEER	12-01-10 DATE	
2-28-11 PLANS APPROVAL DATE		

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



- NOTES:**
- (E) Access ways border all ponds, no existing roadway.
  - Remove vegetation, clear and grub ponds including the slopes.
  - Dewater sewage and sludge from ponds. Existing liner remains in place. Estimated dewatered volume (assuming 2% solids) of ponds at full capacity are:  
 Pond 1 = 328,000 gallons  
 Pond 2 = 84,830 gallons  
 Pond 3 = None.  
 Capacity of ponds:  
 Pond 1 = 1.5 MG  
 Pond 2 = 1.0 MG  
 Pond 3 = 1.0 MG

**SITE PLAN**  
1:50

DESIGN	BY <i>Laurie Vasquez</i>	CHECKED <i>Don Hansen</i>
DETAILS	BY <i>J.R. Stangl/KG</i>	CHECKED <i>Don Hansen</i>
QUANTITIES	BY <i>Laurie Vasquez</i>	CHECKED <i>Don Hansen</i>

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO.	22R0001R/L	DUNNIGAN S.R.R.A.
POST MILE	24.6-26.4	
REMOVAL SEWAGE DISPOSAL SITE PLAN		SHEET <b>SS-4</b>

TAEMWW Imperial Rev. 7/10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT PROJECT NUMBER & PHASE  
3616 03000000961

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
	11/10/08 5/12/10 6/22/10 7/11/10 8/10/10 10/11/10 12/11/10	

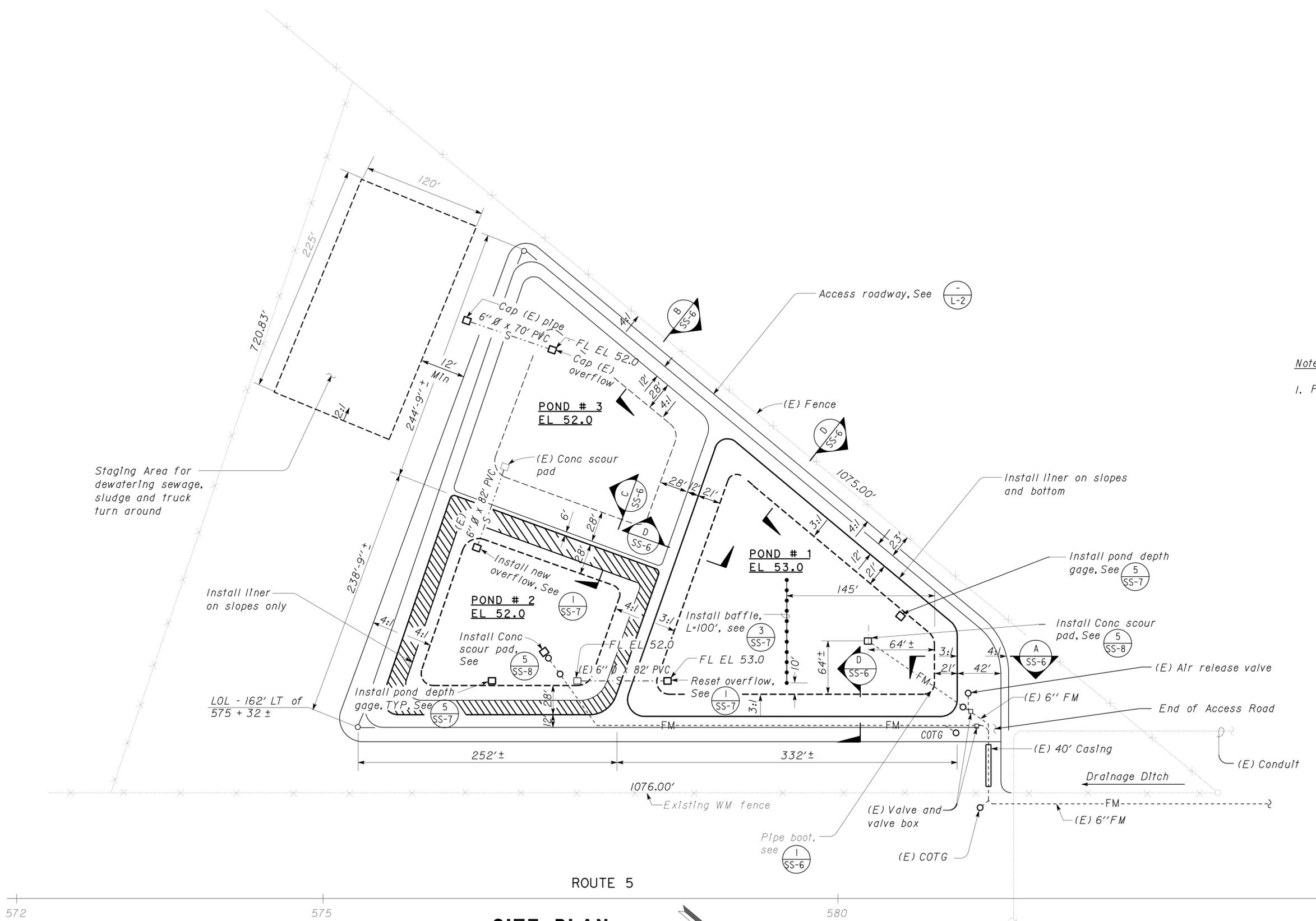
s\_04.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	20	26

*Jerome R. Gault*  
 REGISTERED CIVIL ENGINEER  
 DATE 12-01-10

2-28-11  
 PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



Note:  
1. For all access roadways around all ponds, see C-1.

**SITE PLAN**  
1:50

DESIGN	BY <i>Laurie Vasquez</i>	CHECKED <i>Don Hansen</i>
DETAILS	BY <i>J.R. Stangl/KG</i>	CHECKED <i>Don Hansen</i>
QUANTITIES	BY <i>Laurie Vasquez</i>	CHECKED <i>Don Hansen</i>

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF ENGINEERING SERVICES  
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO.	22R0001R/L	DUNNIGAN S.R.R.A.
POST MILE	24.6-26.4	
PROJECT NUMBER & PHASE		3616 03000000961

SHEET **SS-5** OF

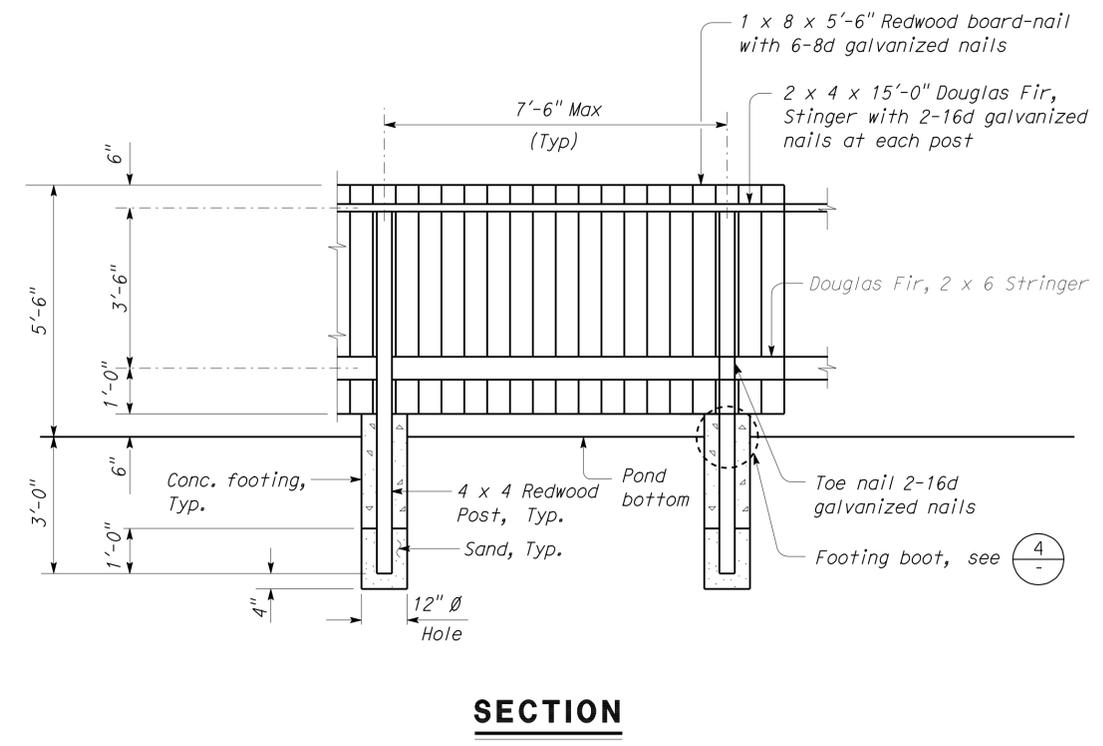
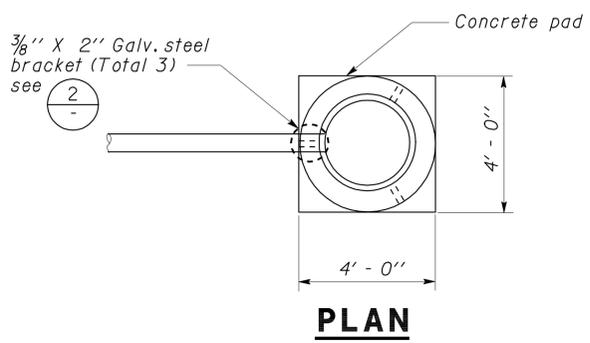
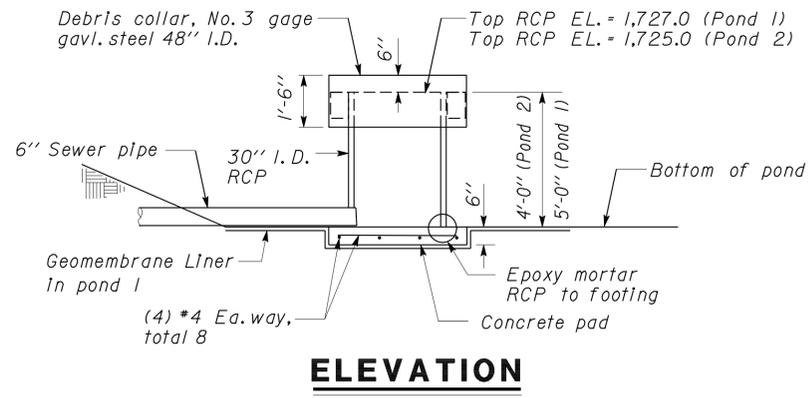
REVISION DATES (PRELIMINARY STAGE ONLY)									
11/08/09	5/22/10	6/22/10	07/14/10	08/18/10	10/1/10	12/1/10			



DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	22	26

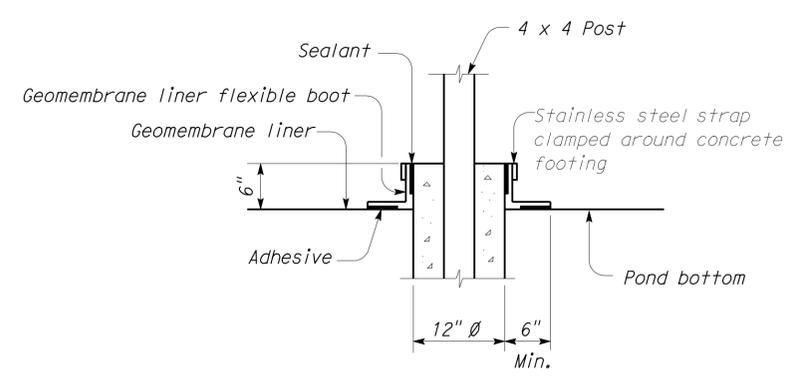
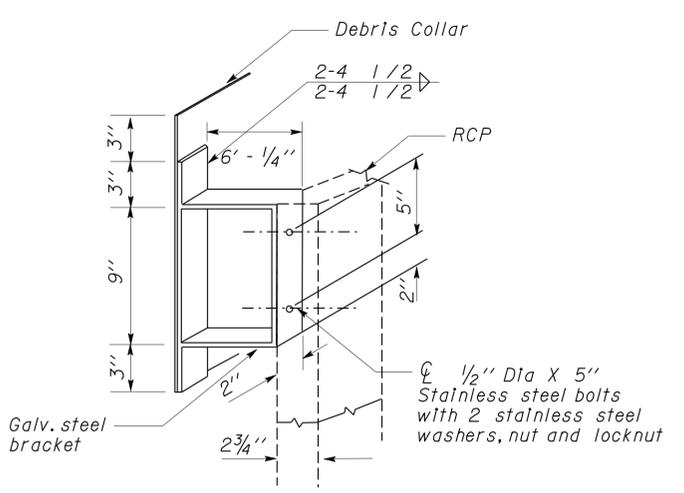
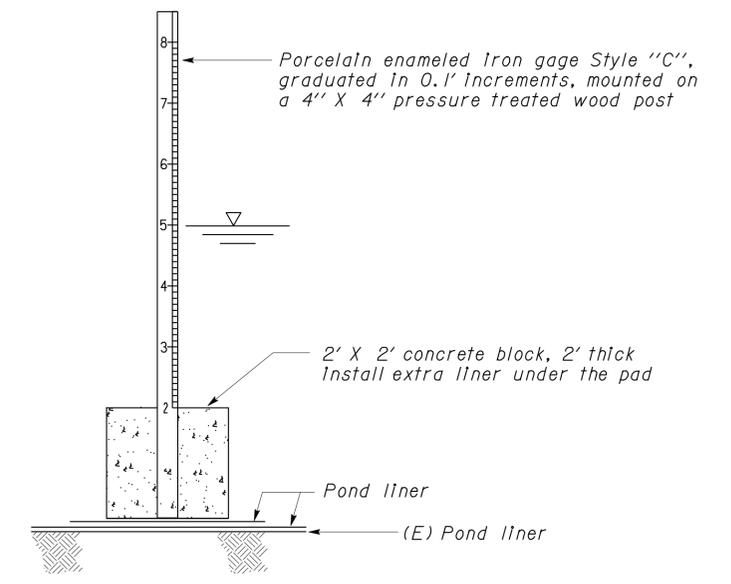
  

<i>Terence R. Gault</i> REGISTERED CIVIL ENGINEER DATE 12-01-10	REGISTERED PROFESSIONAL ENGINEER J. Marcotte No. C36844 Exp. 06-30-12 CIVIL STATE OF CALIFORNIA
2-28-11 PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.	



**3 Baffle Detail**  
1/2" = 1'-0"

**1 Overflow Detail**  
NO SCALE



**5 Pond Depth Gage**  
NO SCALE

DESIGN	BY <i>Laurie Vasquez</i>	CHECKED <i>Don Hansen</i>
DETAILS	BY <i>J.R. Stangl/KG</i>	CHECKED <i>Don Hansen</i>
QUANTITIES	BY <i>Laurie Vasquez</i>	CHECKED <i>Don Hansen</i>

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO.	22R0001R/L
POST MILE	24.6-26.4

DUNNIGAN S.R.R.A.  
SECTIONS & DETAILS 2

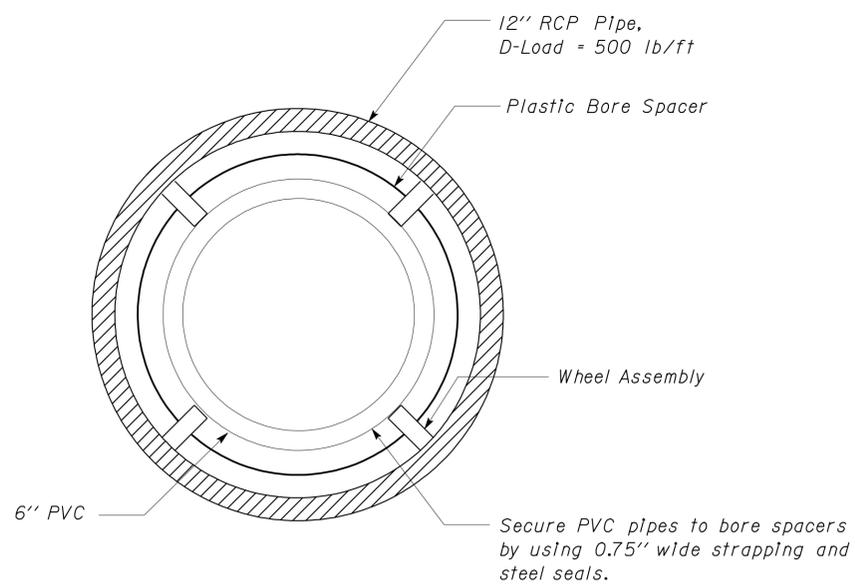
SHEET 22 OF 26  
SS-7

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	23	26

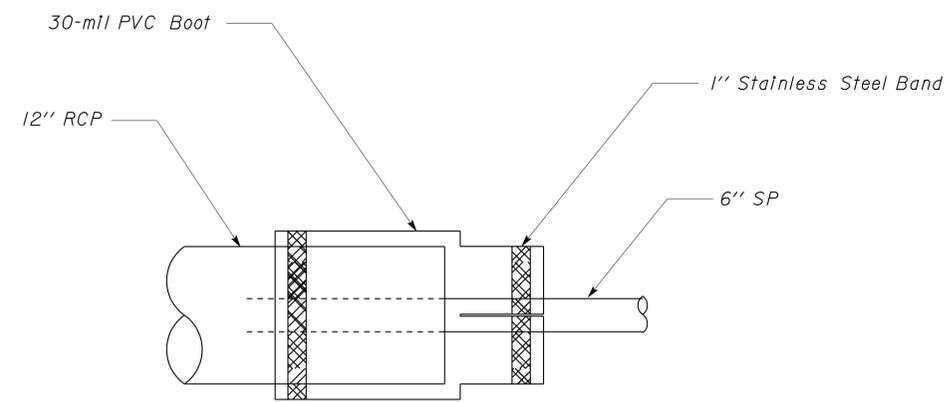
  

<i>Jerome R. Gault</i> REGISTERED CIVIL ENGINEER	12-01-10 DATE	REGISTERED PROFESSIONAL ENGINEER J. Marcotte No. C36844 Exp. 06-30-12 CIVIL STATE OF CALIFORNIA
2-28-11 PLANS APPROVAL DATE		

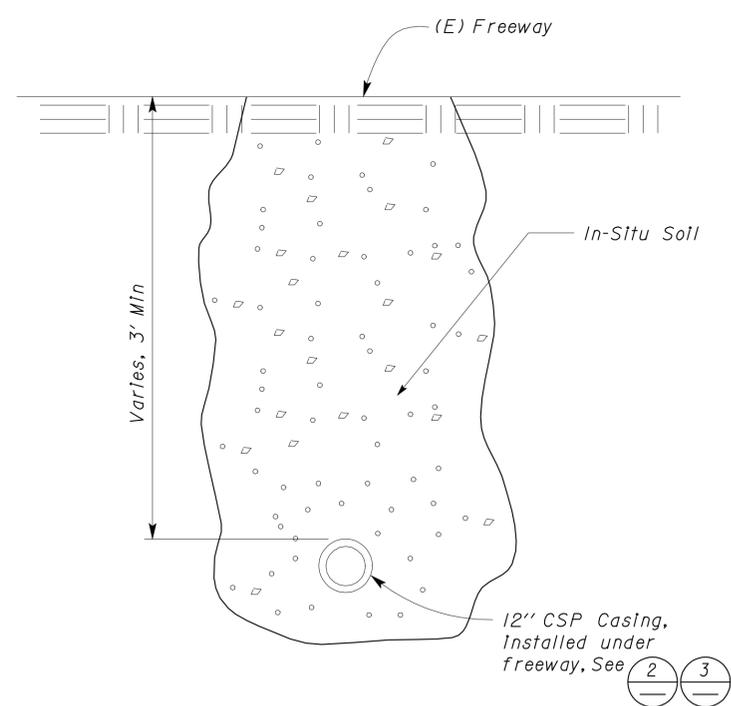
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



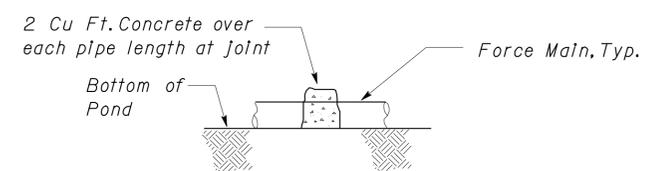
**2 PIPE CASING DETAIL**  
NO SCALE



**3 END SEALS**  
NO SCALE

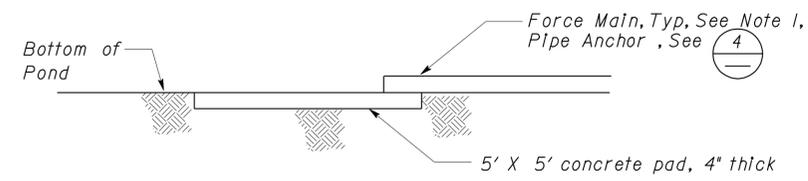


**1 JACKED SEWER PIPE CROSSING**  
NO SCALE



**4 PIPE ANCHOR DETAIL**  
NO SCALE

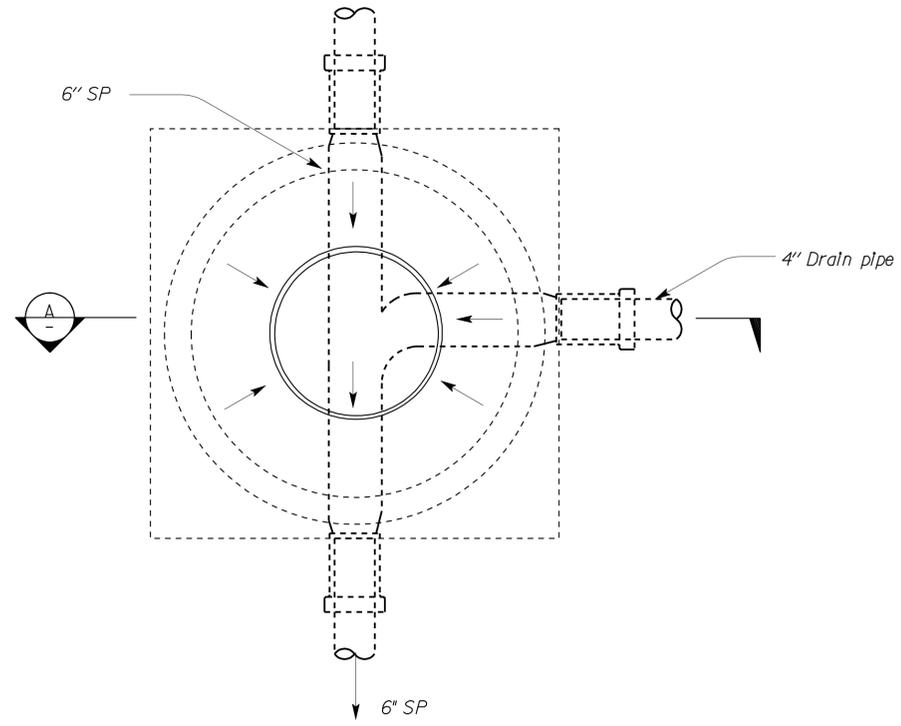
NOTE:  
Pipe extends 1' beyond pipe anchor.



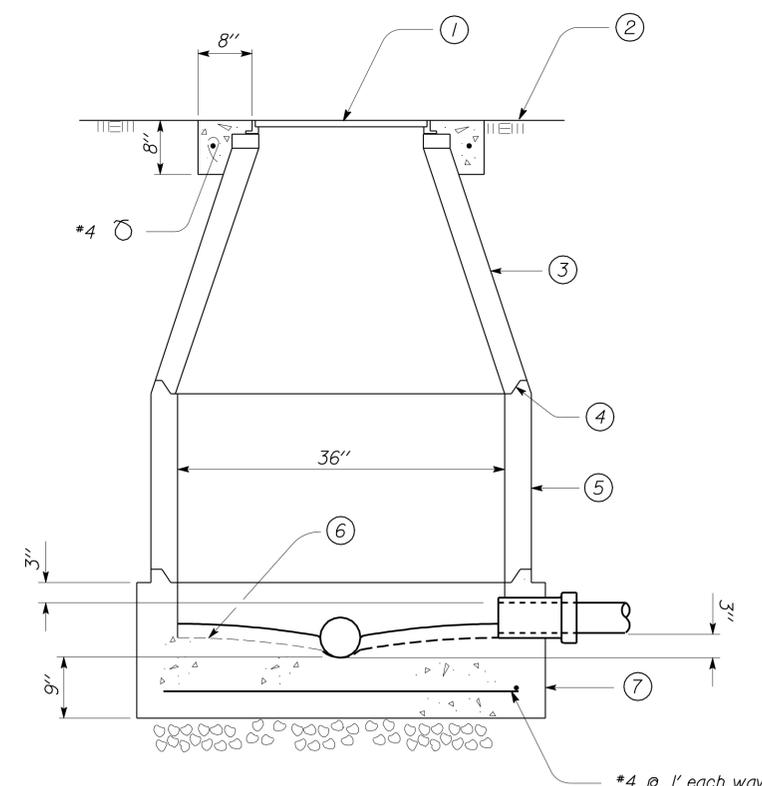
**5 CONCRETE SCOUR PAD**  
NO SCALE

DESIGN BY <i>Laurie Vasquez</i> CHECKED <i>Don Hansen</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 22R0001R/L	DUNNIGAN S.R.R.A.	SHEET SS-8
			POST MILE 24.6-26.4		
DETAILS BY <i>J.R. Stang/KG</i> CHECKED <i>Don Hansen</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE EA OF 6201	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY <i>Laurie Vasquez</i> CHECKED <i>Don Hansen</i>	0 1 2 3	3616 03000000961	→	11/28/09 5/22/10 6/22/10 7/14/10 8/13/10 10/1/10 12/01/10	OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	24	26
<i>Jerome R. Gault</i> REGISTERED CIVIL ENGINEER			12-01-10 DATE		
2-28-11					
PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



**1 MANHOLE PLAN**



**A SECTION**  
No Scale

- Notes:*
- ① Manhole frame and cover, 2', match existing grade.
  - ② Slope finish grade away from manhole.
  - ③ Concentric Cone section, height as required.
  - ④ All pipe joints shall be sealed watertight with manhole manufacturer's recommendation.
  - ⑤ Concrete barrel, height as required.
  - ⑥ Slope concrete as required to form flow line.
  - ⑦ Precast concrete base with cast in pipe sections or couplings. Flow line elevations to match plan elevations and slope.

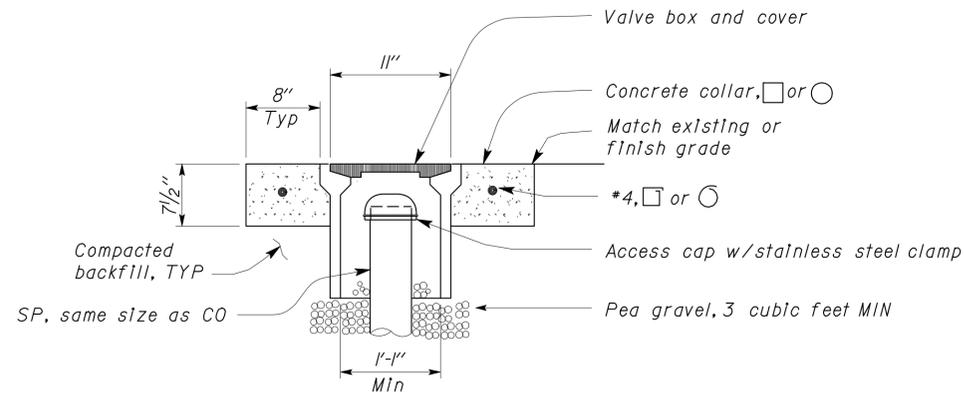
DESIGN BY <i>Laurie Vasquez</i> CHECKED <i>Don Hansen</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 22R0001R/L	DUNNIGAN S.R.R.A.	SHEET <b>SS-9</b>		
			POST MILE 24.6-26.4			MANHOLE DETAIL	
DETAILS BY <i>J.R. Stangl</i> CHECKED <i>Don Hansen</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3616 03000000961	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
QUANTITIES BY <i>Laurie Vasquez</i> CHECKED <i>Don Hansen</i>				11-14-09	05-12-10		06-22-10
TAEMWW Imperial Rev. 7/10	EA 06201				s_09.dgn		

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	25	26

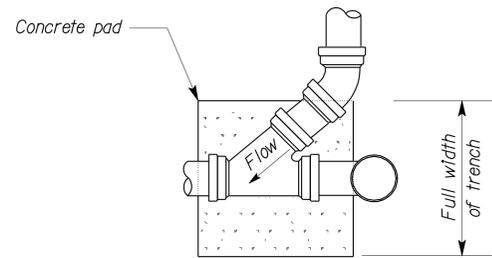
*Terence R. Smith*  
 REGISTERED CIVIL ENGINEER  
 DATE 12-01-10

2-28-11  
 PLANS APPROVAL DATE

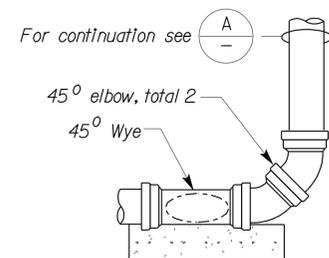
REGISTERED PROFESSIONAL ENGINEER  
 J. Marcotte  
 No. C36844  
 Exp. 06-30-12  
 CIVIL  
 STATE OF CALIFORNIA



**A COTG ACCESS BOX**  
NO SCALE

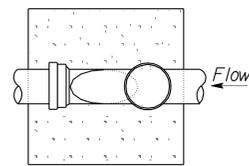


**PLAN**

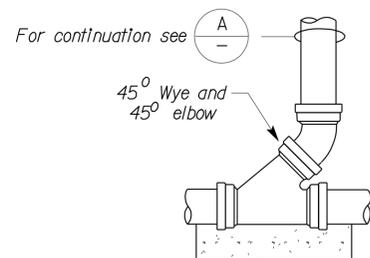


**ELEVATION**

**CLEANOUT (AT BEND)**

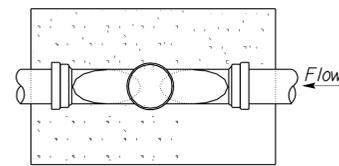


**PLAN**

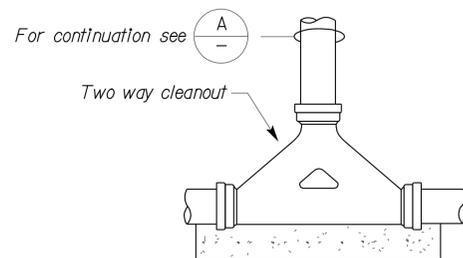


**ELEVATION**

**CLEANOUT (STANDARD)**

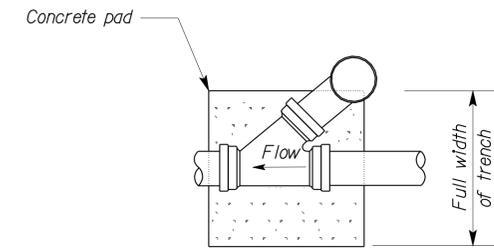


**PLAN**

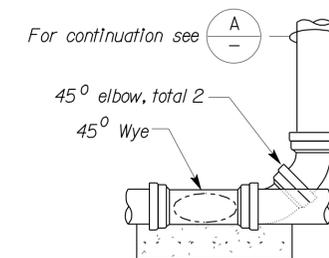


**ELEVATION**

**TWO WAY CLEANOUT**



**PLAN**



**ELEVATION**

**CLEANOUT (REDUCED CLEARANCE)**

**1 CLEANOUT TO GRADE**  
No Scale

Concrete pad shown typical for all cleanouts

DESIGN	BY <i>Laurie Vasquez</i>	CHECKED <i>Don Hansen</i>
DETAILS	BY <i>J.R. Stangl</i>	CHECKED <i>Don Hansen</i>
QUANTITIES	BY <i>Laurie Vasquez</i>	CHECKED <i>Don Hansen</i>

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

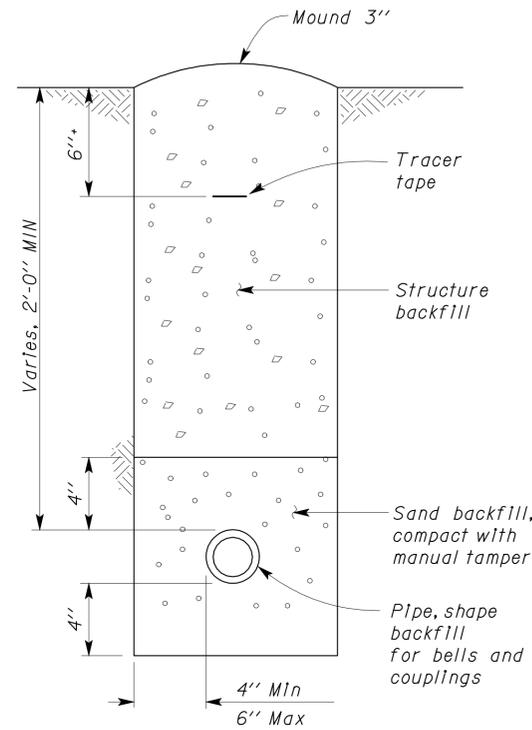
BRIDGE NO.	22R0001R/L
POST MILE	24.6-26.4

DUNNIGAN S.R.R.A.

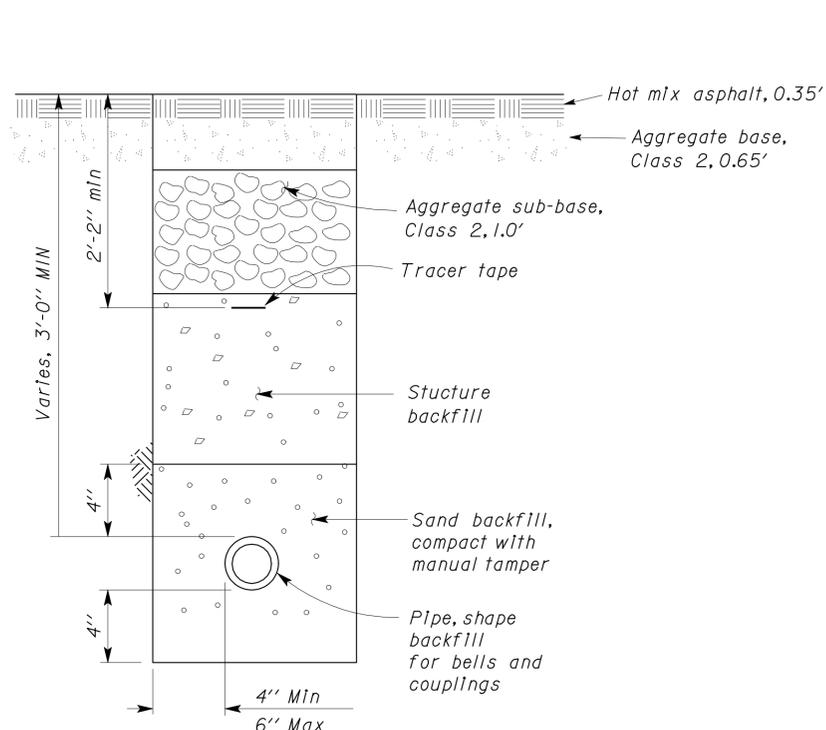
CLEANOUT DETAILS

SHEET 55-10

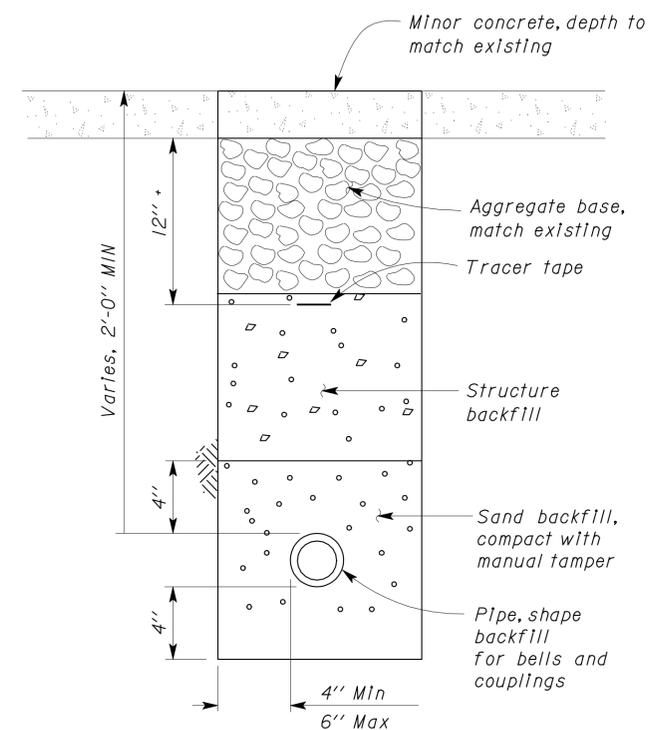
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yol	5	R24.6,R26.4	26	26
<i>Jerome R. Marcotte</i> REGISTERED CIVIL ENGINEER			12-01-10 DATE	REGISTERED PROFESSIONAL ENGINEER J. Marcotte No. C36844 Exp. 06-30-12 CIVIL STATE OF CALIFORNIA	
2-28-11 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



**A SECTION-TRENCH MOUND**  
NO SCALE



**B SECTION-TRENCH, HMA**  
NO SCALE



**C SECTION-TRENCH, MC**  
NO SCALE

**SEWER PIPE**  
NO SCALE

DESIGN	BY <i>Laurie Vasquez</i>	CHECKED <i>Don Hansen</i>
DETAILS	BY <i>J.R. Stangl</i>	CHECKED <i>Don Hansen</i>
QUANTITIES	BY <i>Laurie Vasquez</i>	CHECKED <i>Don Hansen</i>

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO.	22R0001R/L
POST MILE	24.6-26.4

**DUNNIGAN S.R.R.A.**

SEWER PIPE DETAILS

SHEET **SS-11**



REVISION DATES (PRELIMINARY STAGE ONLY)					
11/28/09	5/22/10	6/22/10	8/28/10	12/1/10	