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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 SAN BERNARDINO COUNTY
 IN YUCCA VALLEY
 AT THE PARADISE VALLEY MAINTENANCE STATION
 6690 LA CONTENTA ROAD**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		1	70

LOCATION MAP



YUCCA VALLEY



**LOCATION OF CONSTRUCTION
 6690 LA CONTENTA ROAD
 YUCCA VALLEY, CA 92284**

NO SCALE

PROJECT MANAGER CATALINO PINING	DESIGN MANAGER MICHAEL RISTIC
------------------------------------	----------------------------------

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

Michael P. Ristic
 PROJECT ENGINEER
 REGISTERED CIVIL ENGINEER

3-16-15
 DATE

March 16, 2015
 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

MICHAEL P. RISTIC

No. C69439

Exp. 6-30-16

CIVIL

STATE OF CALIFORNIA

CONTRACT No.	08-OR9604
PROJECT ID	0812000223

DATE PLOTTED => 12-MAR-2015 TIME PLOTTED => 12:34

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR
 MICHAEL P. RISTIC

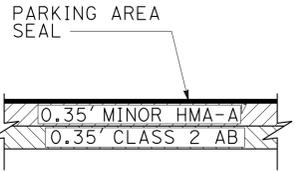
CALCULATED-DESIGNED BY
 CHECKED BY

RAMADAN FARAG
 MICHAEL RISTIC

REVISED BY
 DATE REVISED

LEGEND:

-  REMOVE ASPHALT CONCRETE SURFACING
PLACE 0.35' MINOR HOT MIX ASPHALT
PLACE 0.35' CLASS 2 AB
-  PLACE 0.35' MINOR HOT MIX ASPHALT
PLACE 0.35' CLASS 2 AB
-  PLACE 0.35' MINOR HOT MIX ASPHALT



PAVEMENT STRUCTURE SECTION

CURVE DATA

No. \oplus	R	Δ	T	L
①	14'	90°52'59"	14.36'	22.43'

ABBREVIATION:
 RC - RETAINING CURB

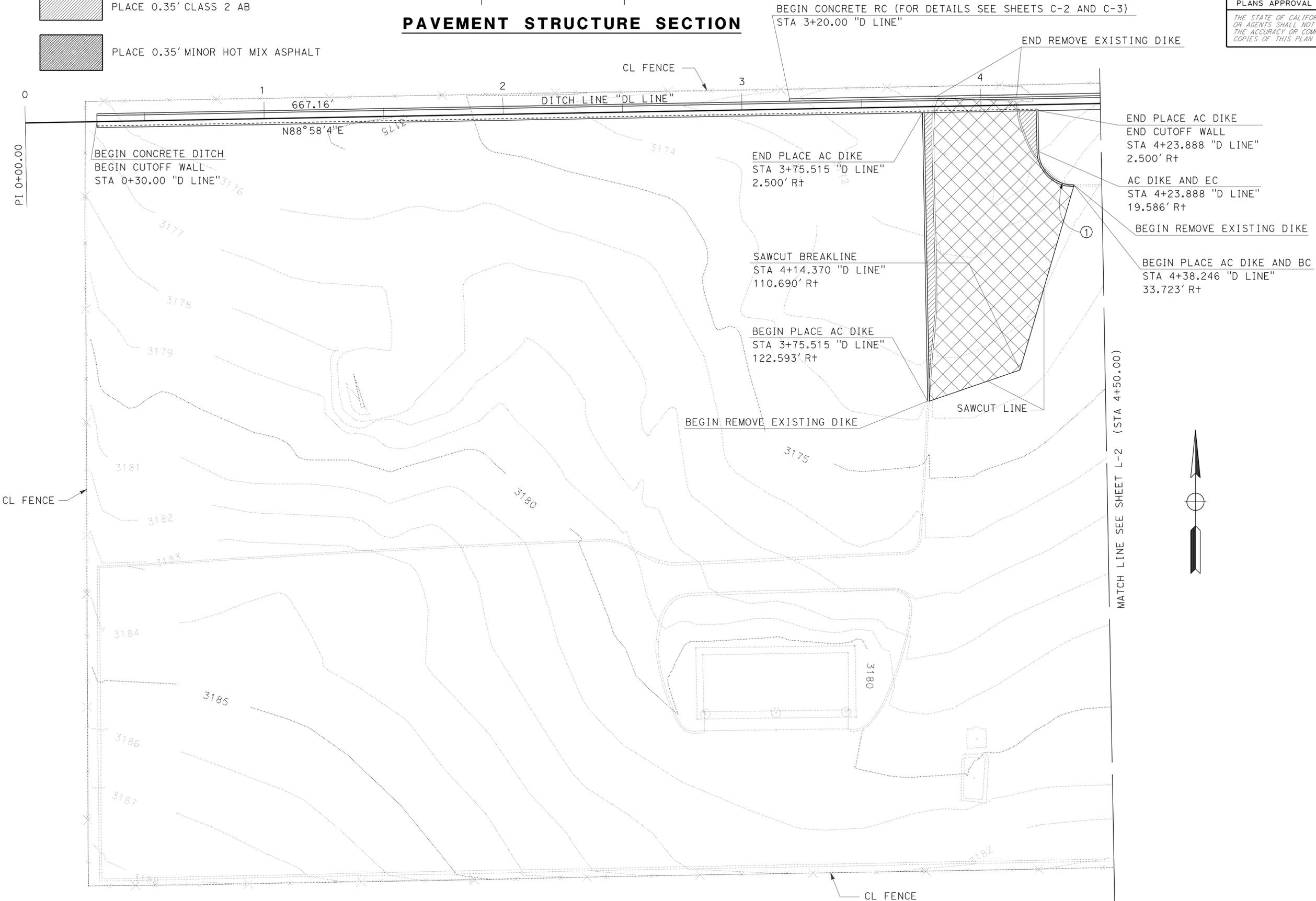
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08	SBd	5724		2	70

REGISTERED CIVIL ENGINEER
 3-16-15
 DATE

3-16-15
 PLANS APPROVAL DATE

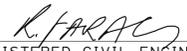
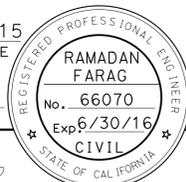
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

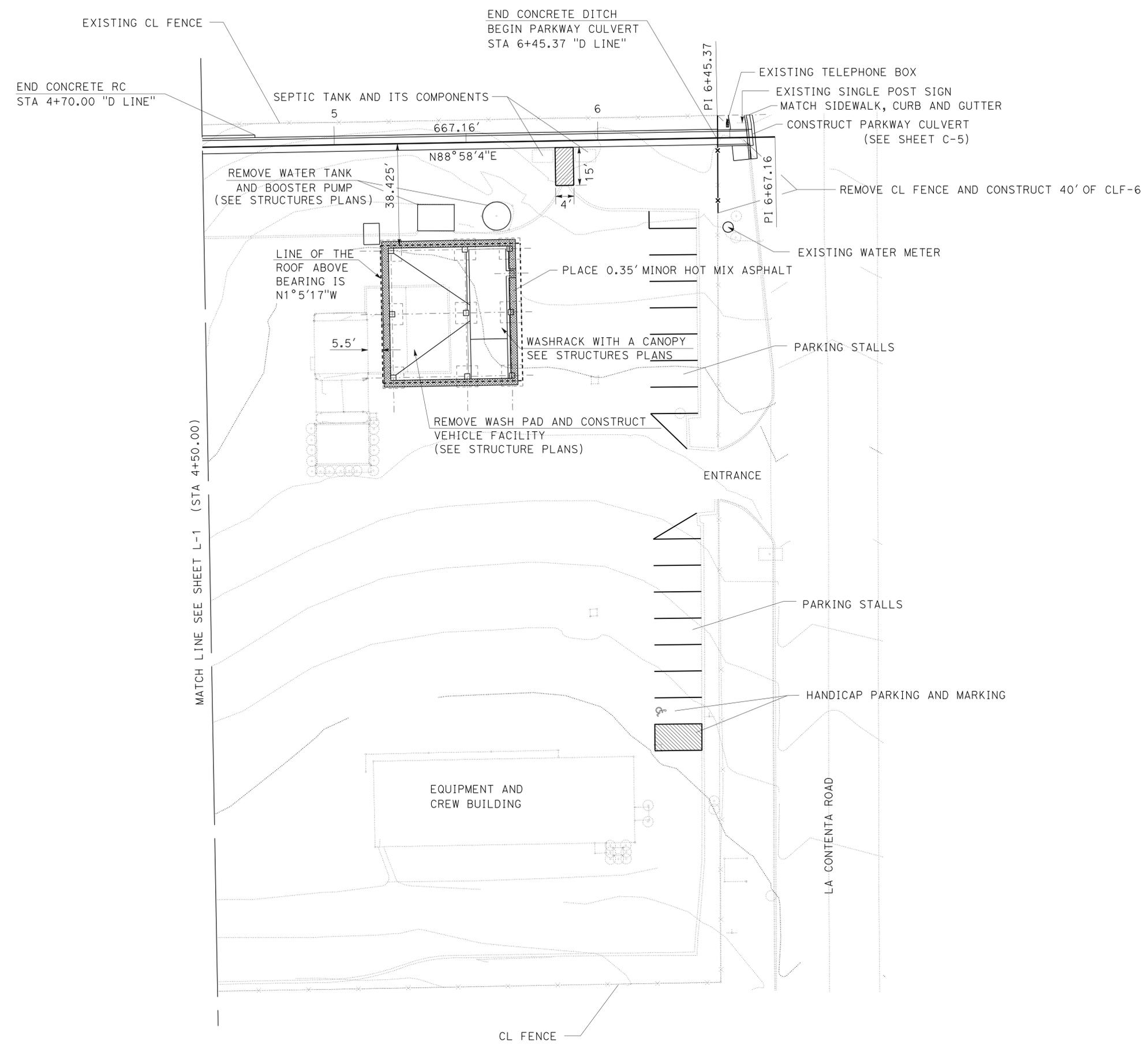
REGISTERED PROFESSIONAL ENGINEER
 RAMADAN FARAG
 No. 66070
 Exp. 6/30/16
 CIVIL
 STATE OF CALIFORNIA



LAYOUT
 SCALE 1" = 20' **L-1**

LAST REVISION DATE PLOTTED => 12-MAR-2015 03-16-15 TIME PLOTTED => 12:34

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		3	70
			3-16-15		
REGISTERED CIVIL ENGINEER			DATE		
3-16-15			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>					
					



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	RAMADAN FARAG	REVISED BY
Caltrans MAINTENANCE DESIGN	MICHAEL P. RISTIC	CHECKED BY	MICHAEL RISTIC	DATE REVISED

LAYOUT
SCALE 1" = 20' **L-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: MICHAEL P. RISTIC
 CALCULATED/DESIGNED BY: [blank]
 CHECKED BY: [blank]
 RAMADAN FARAG
 MICHAEL RISTIC
 REVISED BY: [blank]
 DATE: [blank]

NOTES:

- CURB AND GUTTER SHALL BE CONSTRUCTED MONOLITHICALLY
- WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT 10-FOOT INTERVAL
- WHEN CURB AND GUTTER IS PLACED BY AN EXTRUSION MACHINE MINOR FINISHING SHALL BE DONE TO PROVIDE AN ACCEPTABLE FINISH.

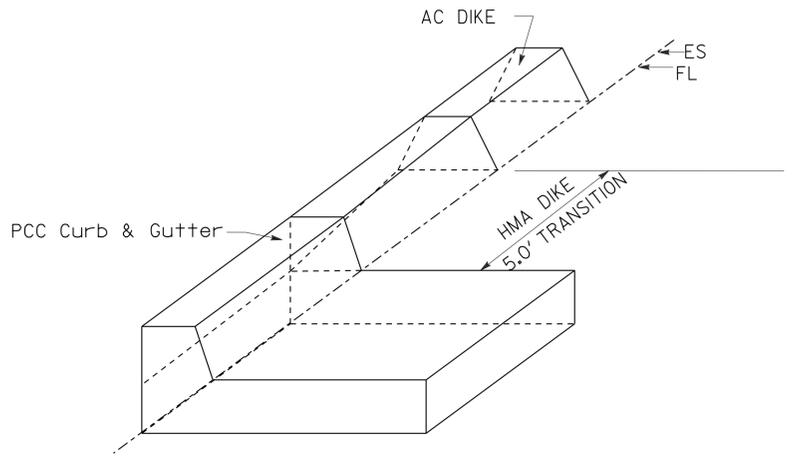
ABBREVIATIONS:

TRC - TOP OF RETAINING CURB
 BRC - BOTTOM OF RETAINING CURB

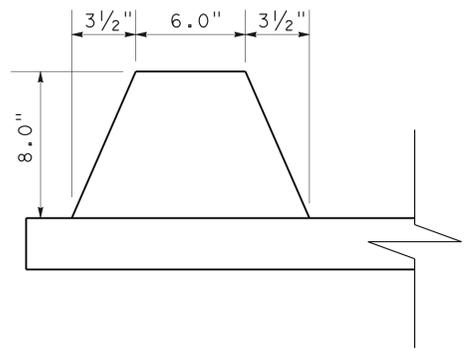
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		4	70

REGISTERED CIVIL ENGINEER: *R. FARAG*
 DATE: 3-16-15
 PLANS APPROVAL DATE: 3-16-15
 No. 66070
 Exp 6/30/16
 CIVIL
 STATE OF CALIFORNIA

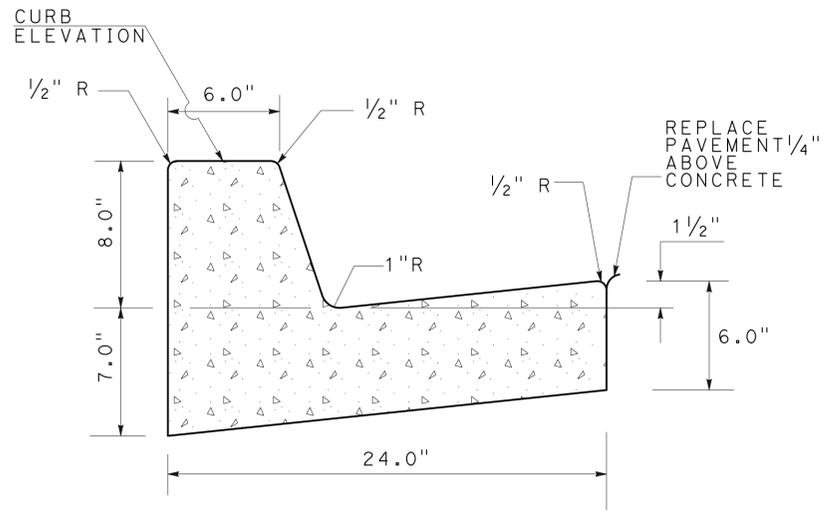
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



CURB AND GUTTER TRANSITION TO HMA DIKE (ISOMETRIC)



HMA DIKE



PCC CURB AND GUTTER

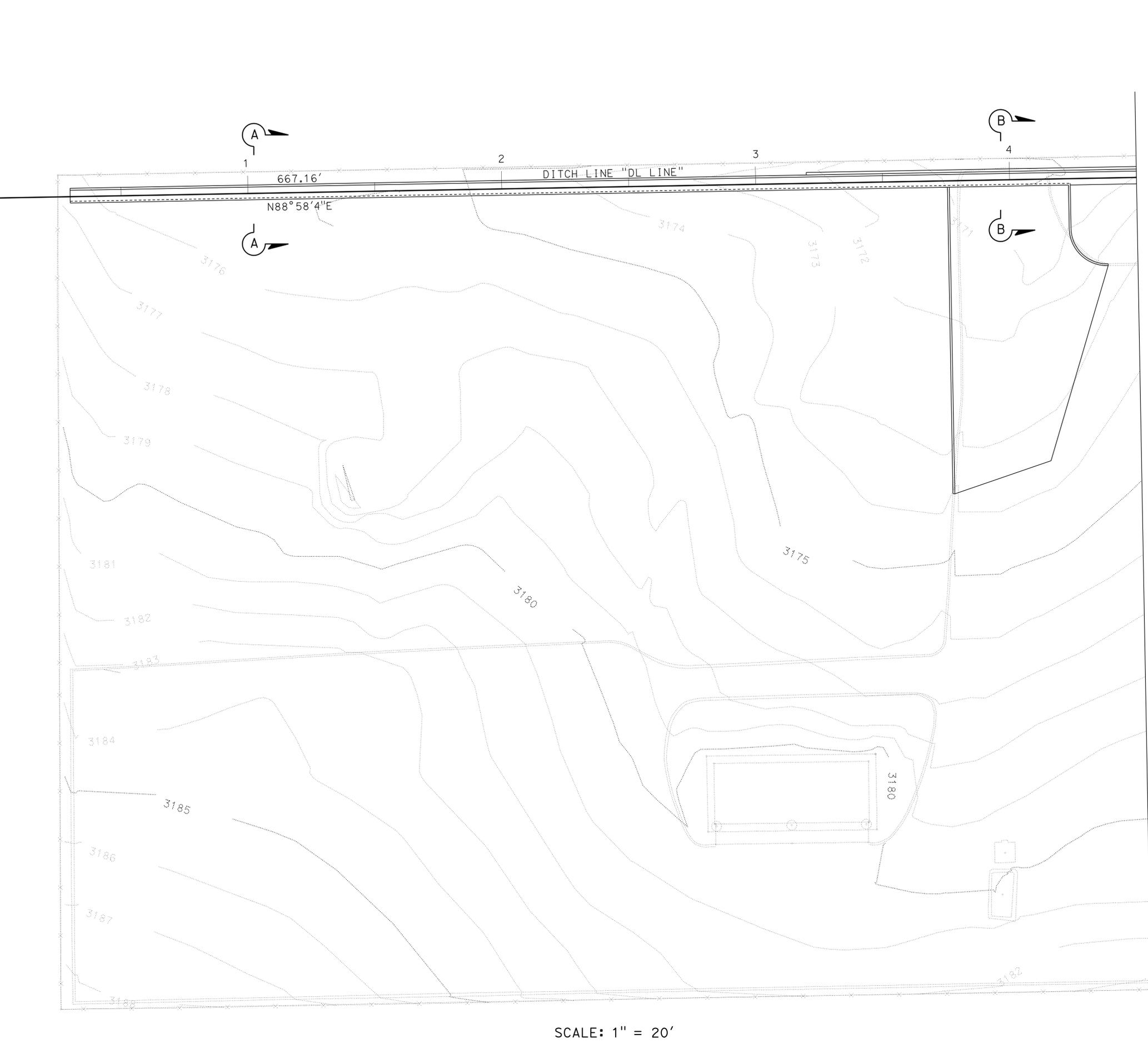
CONSTRUCTION DETAILS

NO SCALE

C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: MICHAEL P. RISTIC
 CALCULATED/DESIGNED BY: MICHAEL RISTIC
 CHECKED BY: MICHAEL RISTIC
 RAMADAN FARAG
 REVISED BY: DATE REVISED



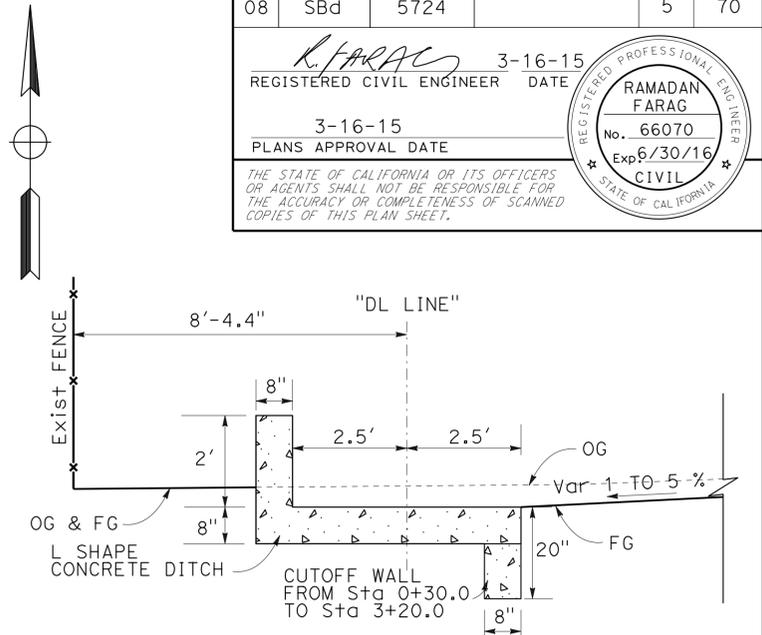
SCALE: 1" = 20'

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		5	70

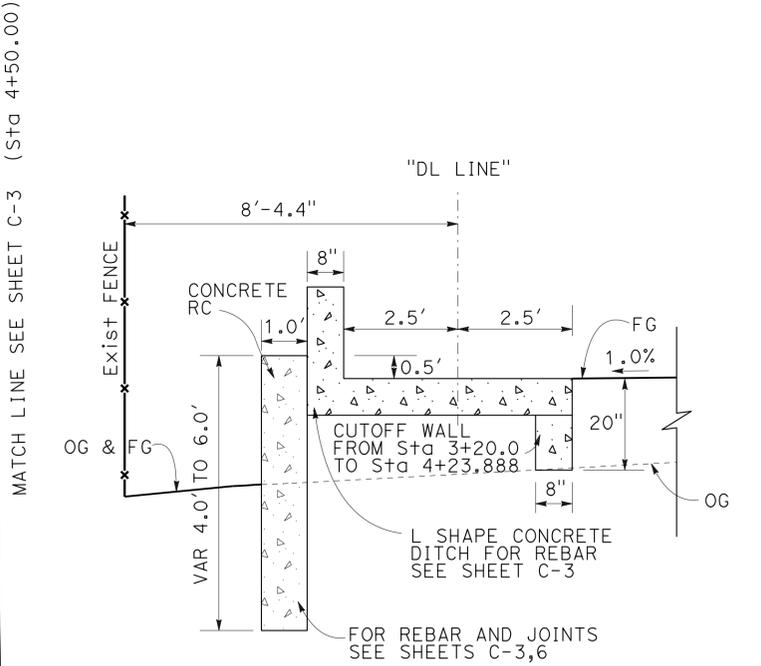
R. FARAG 3-16-15
 REGISTERED CIVIL ENGINEER DATE
 3-16-15
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 RAMADAN FARAG
 No. 66070
 Exp. 6/30/16
 CIVIL
 STATE OF CALIFORNIA

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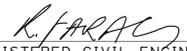
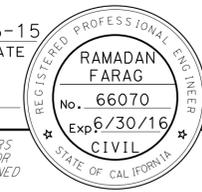


FROM Sta 0+30.0 TO Sta 3+20.0 "DL LINE"
 FROM Sta 4+70.0 TO Sta 6+45.37 "DL LINE"
SECTION A-A
 NO SCALE

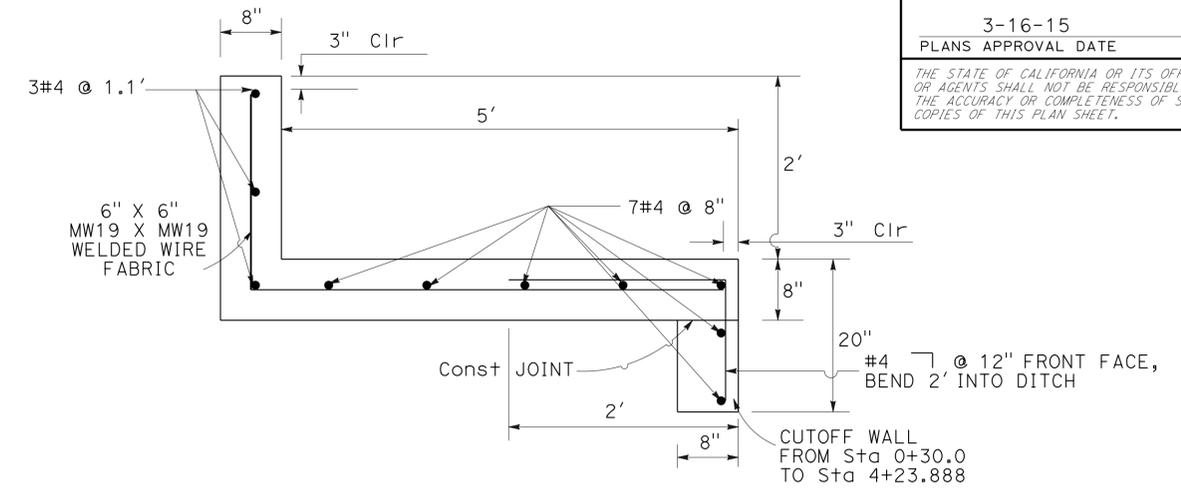
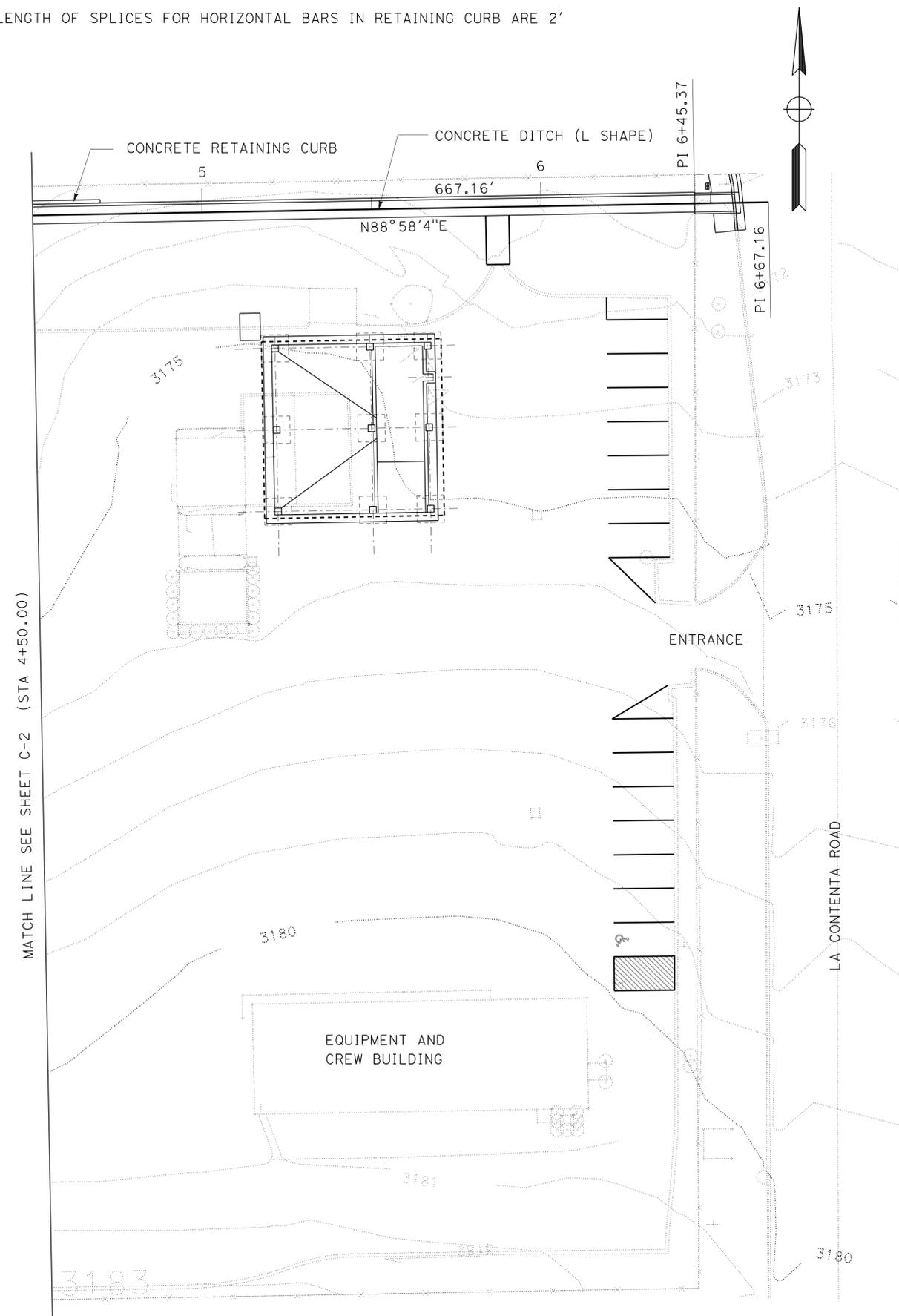


FROM Sta 3+20.0 TO Sta 4+70.0 "DL LINE"
SECTION B-B
 NO SCALE

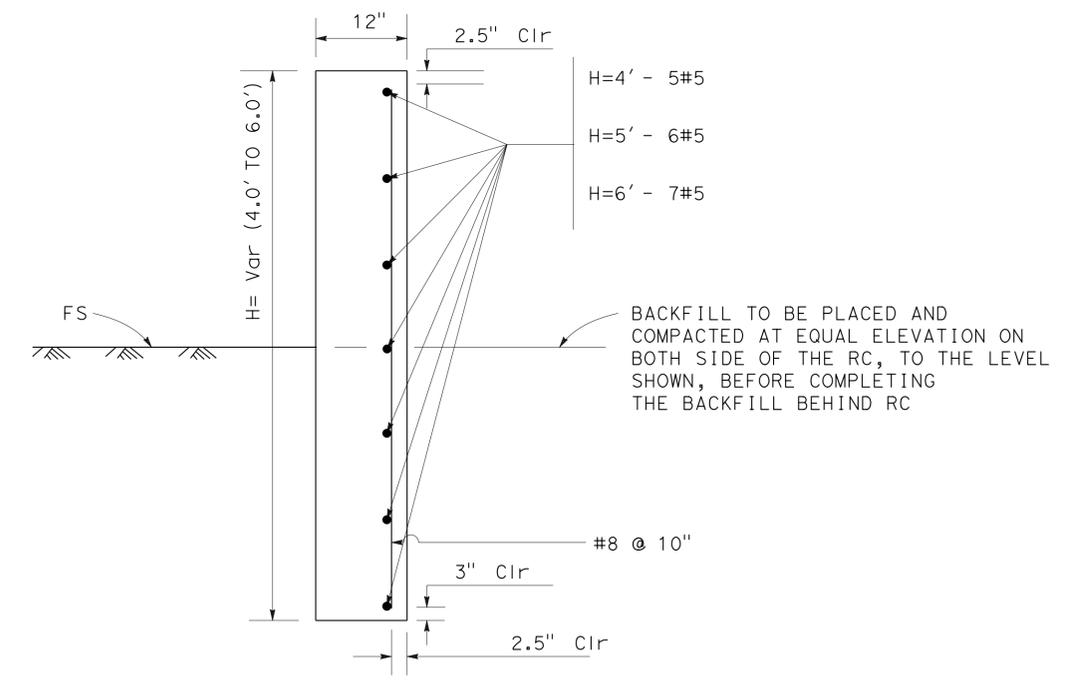
CONSTRUCTION DETAILS
 SCALE AS SHOWN **C-2**

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		6	70
			3-16-15		
REGISTERED CIVIL ENGINEER			DATE		
			3-16-15		
			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:
MINIMUM LENGTH OF SPLICES FOR HORIZONTAL BARS IN RETAINING CURB ARE 2'



FROM Sta 0+30.0 TO Sta 6+45.37 "DL LINE"
CONCRETE DITCH (L SHAPE)
NO SCALE



FROM Sta 3+20.0 TO Sta 3+70.0 "DL LINE", H=4.0'
FROM Sta 3+70.0 TO Sta 4+10.0 "DL LINE", H=6.0'
FROM Sta 4+10.0 TO Sta 4+30.0 "DL LINE", H=5.0'
FROM Sta 4+30.0 TO Sta 4+70.0 "DL LINE", H=4.0'

CONCRETE RETAINING CURB
NO SCALE

CONSTRUCTION DETAILS
SCALE AS SHOWN **C-3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR
Caltrans MAINTENANCE DESIGN	MICHAEL P. RISTIC	CHECKED BY	RAMADAN FARAG
			MICHAEL RISTIC
			DATE REVISED

MATCH LINE SEE SHEET C-2 (STA 4+50.00)

SCALE: 1" = 20'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

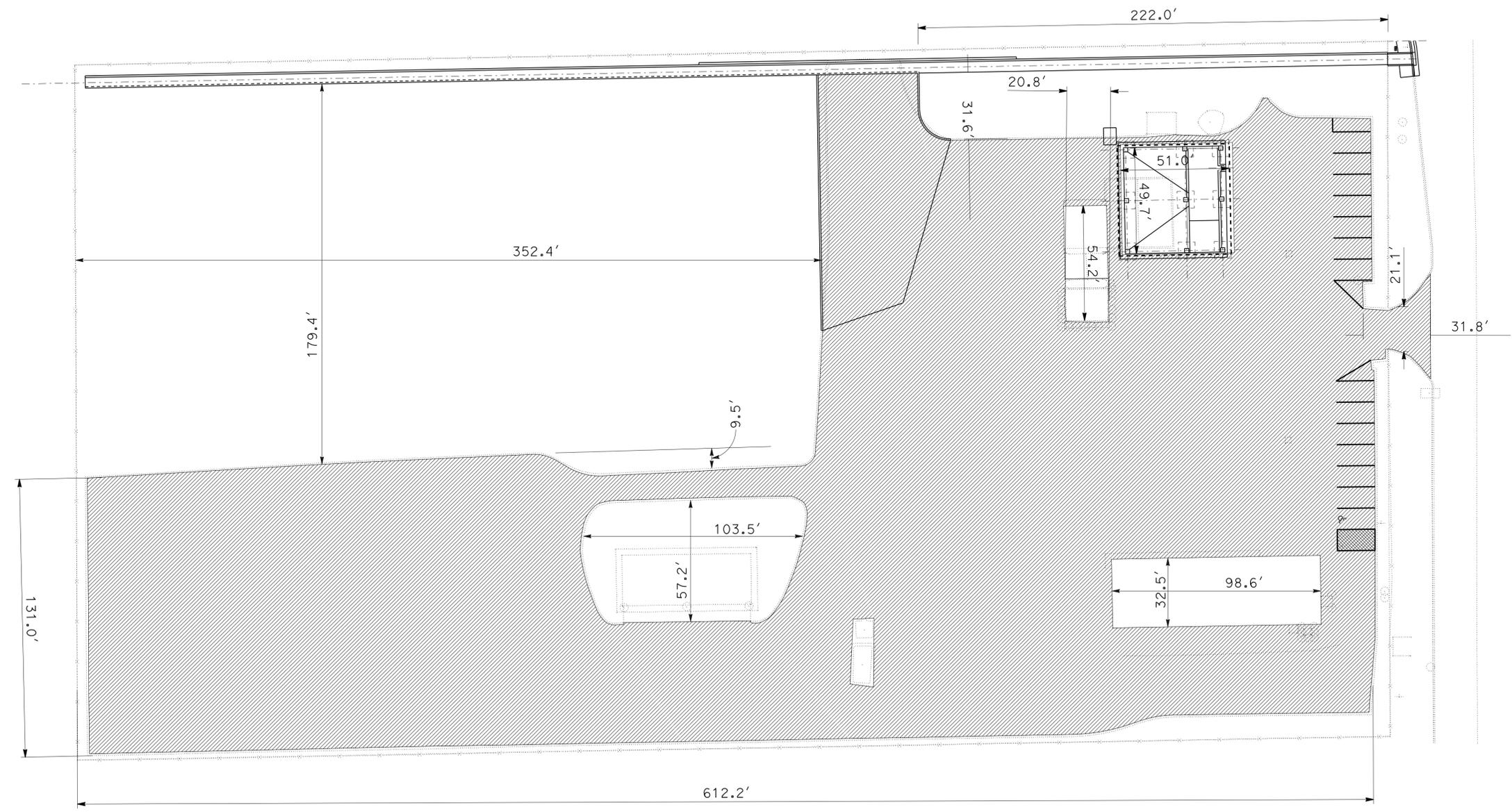
FUNCTIONAL SUPERVISOR
 MICHAEL P. RISTIC

CALCULATED-DESIGNED BY
 CHECKED BY

RAMADAN FARAG
 MICHAEL RISTIC

REVISED BY
 DATE REVISED

LEGEND:



Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		7	70

<i>R. FARAG</i>	3-16-15
REGISTERED CIVIL ENGINEER	DATE
3-16-15	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
RAMADAN FARAG
No. 66070
Exp. 6/30/16
CIVIL
STATE OF CALIFORNIA

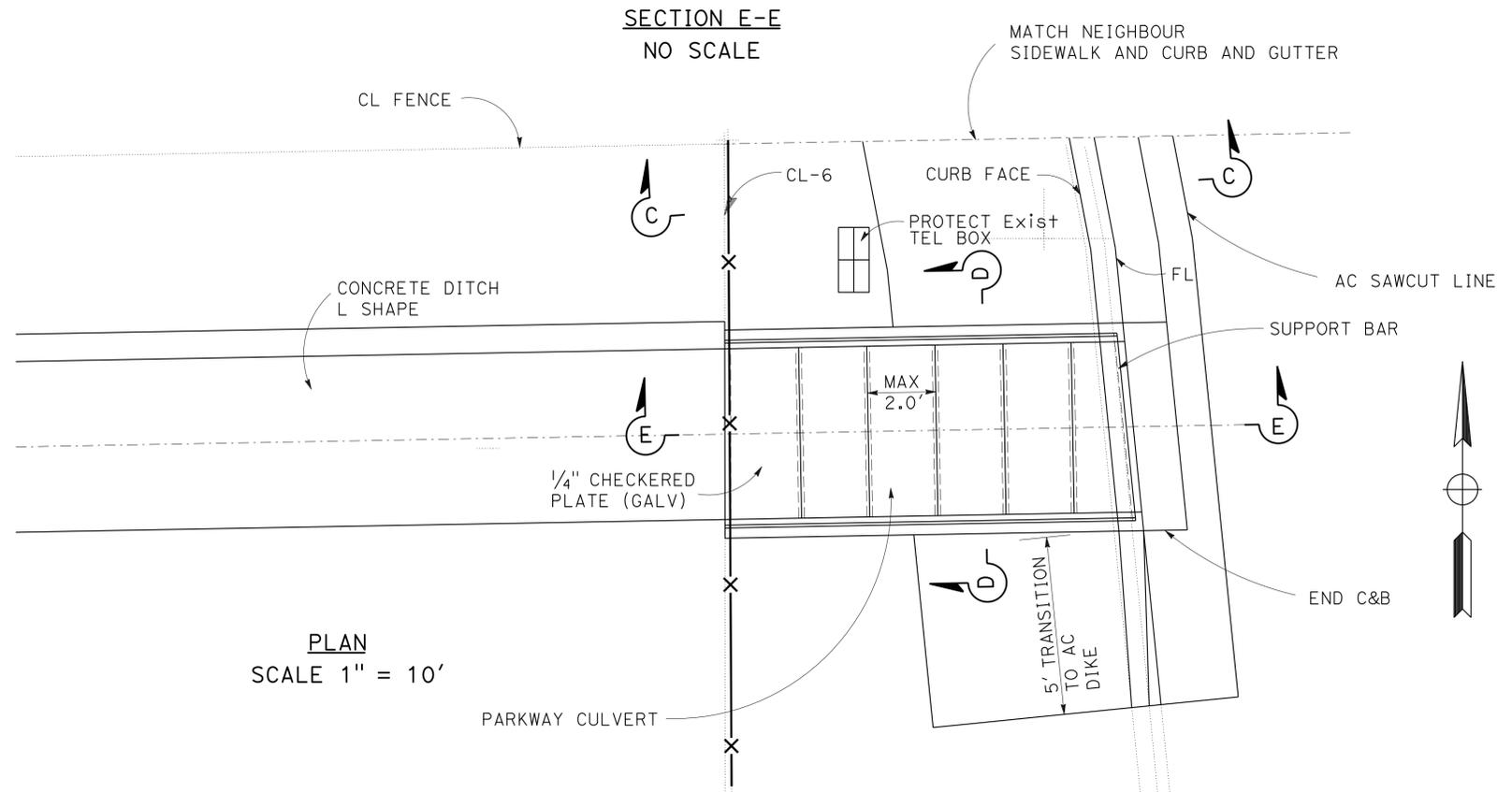
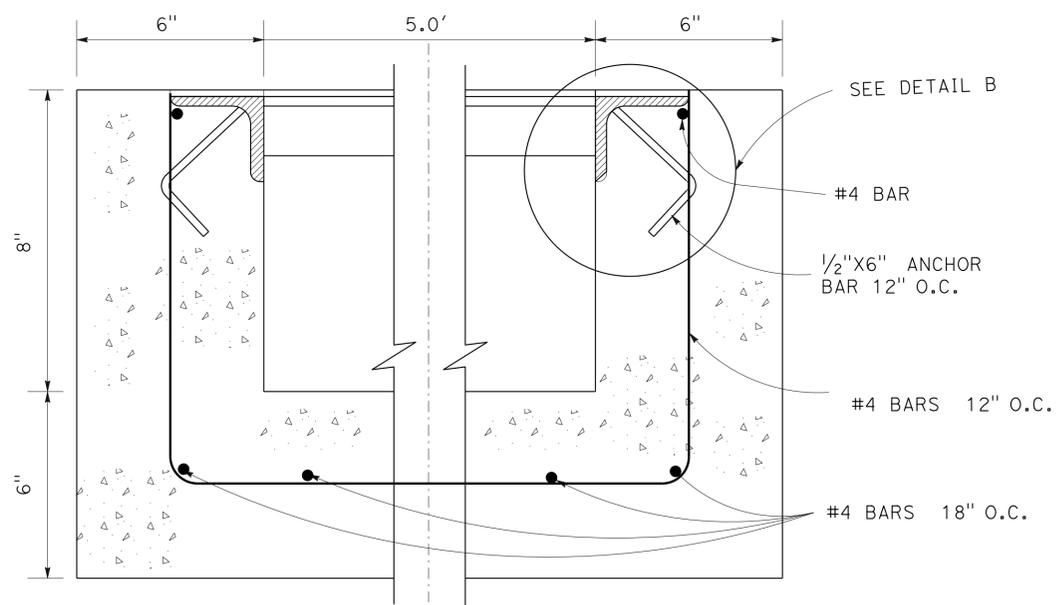
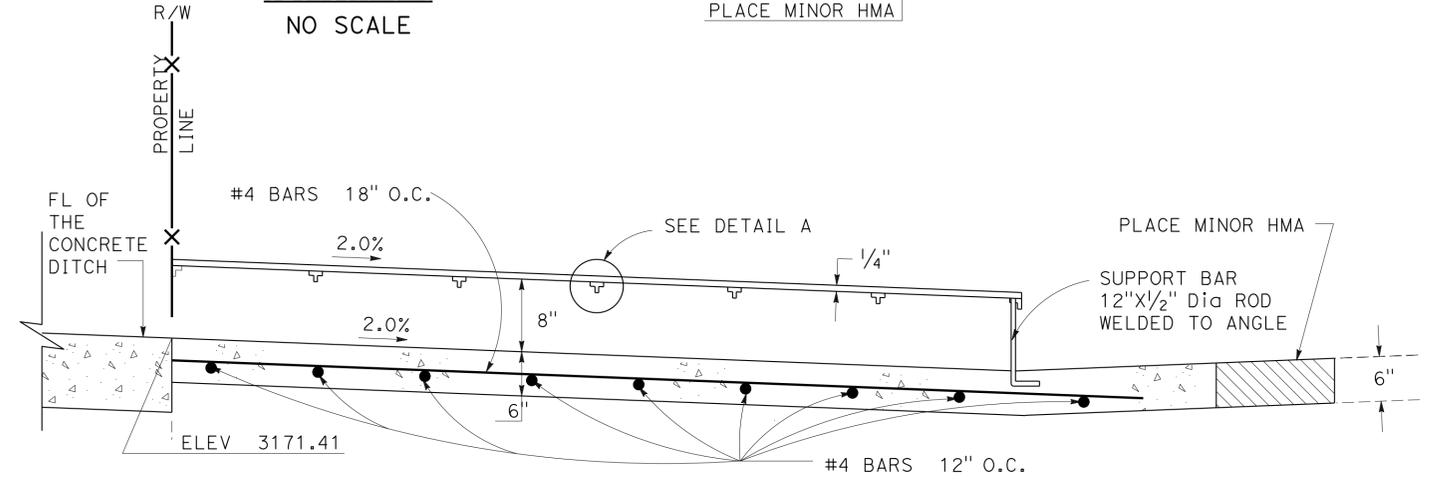
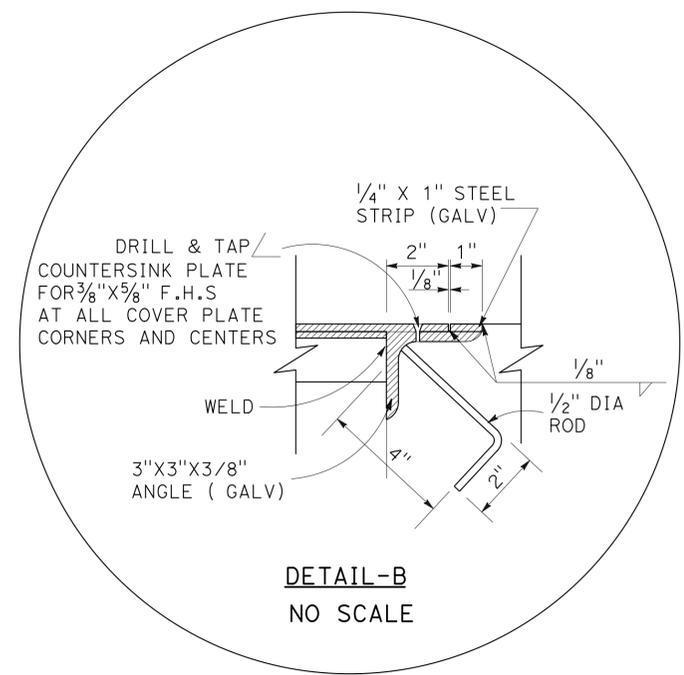
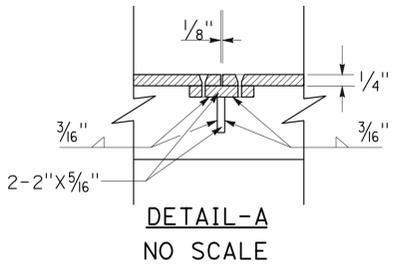
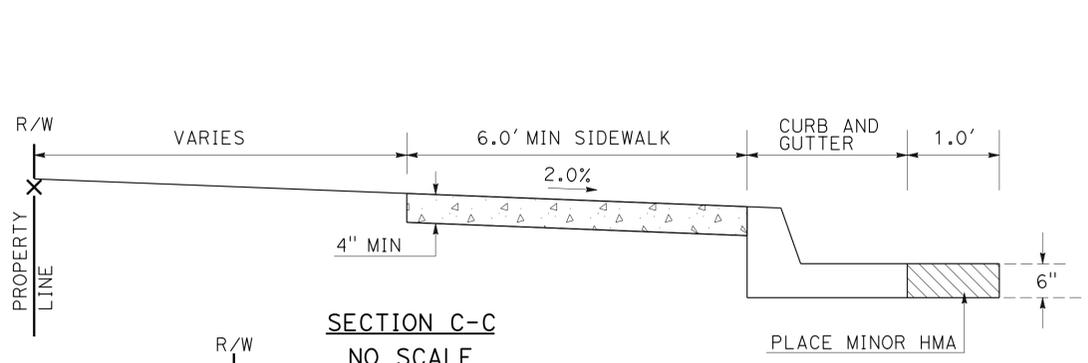
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CONSTRUCTION DETAILS
 NO SCALE
C-4

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		8	70
<i>R. FARAG</i> REGISTERED CIVIL ENGINEER			3-16-15 DATE	REGISTERED PROFESSIONAL ENGINEER RAMADAN FARAG No. 66070 Exp. 6/30/16 CIVIL STATE OF CALIFORNIA	
3-16-15 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>					

NOTES:

1. ALL EXPOSED METAL PARTS TO BE GALVANIZED AFTER FABRICATION.
2. 3" X 3" X 3/8" "ANGLE" WITH 1" X 1/4" STEEL STRIP WELDED TO THE ANGLE.
3. FASTEN CULVERT COVER WITH 3/8" X 5/8" FLUSH HEAD STUD (F.H.S) AT ALL CORNERS AND CENTERS
4. 1/2" X 6" ANCHOR BAR AT 12" O.C



**CONSTRUCTION DETAILS
PARKWAY CULVERT
AND SIDEWALK
SCALE AS SHOWN**

C-5

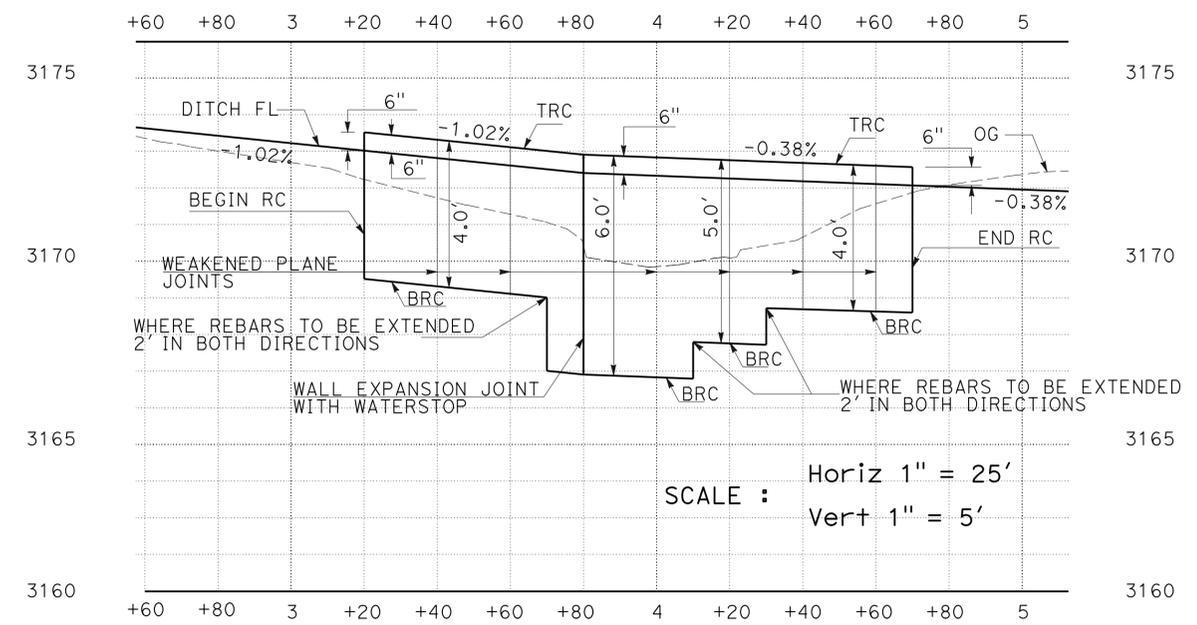
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: MICHAEL P. RISTIC
 CALCULATED/DESIGNED BY: MICHAEL RISTIC
 CHECKED BY: MICHAEL RISTIC
 REVISED BY: RAMADAN FARAG
 DATE REVISED: 3-16-15

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		9	70

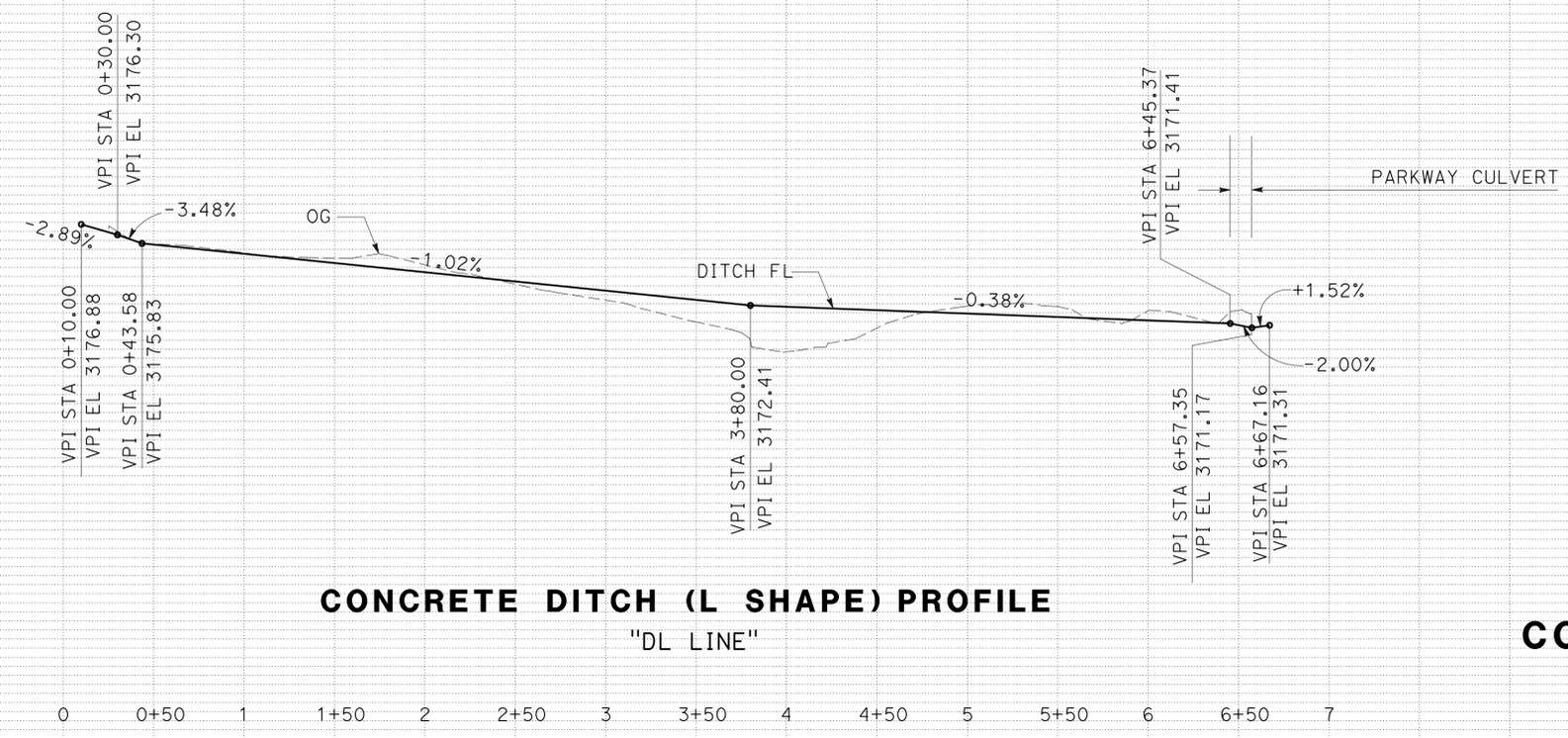
<i>R. FARAG</i>		3-16-15
REGISTERED CIVIL ENGINEER	DATE	
3-16-15		
PLANS APPROVAL DATE		

REGISTERED PROFESSIONAL ENGINEER
RAMADAN FARAG
No. 66070
Exp 6/30/16
CIVIL
STATE OF CALIFORNIA

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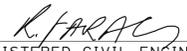
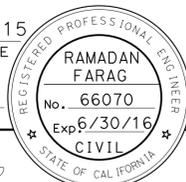
RETAINING CURB ELEVATION



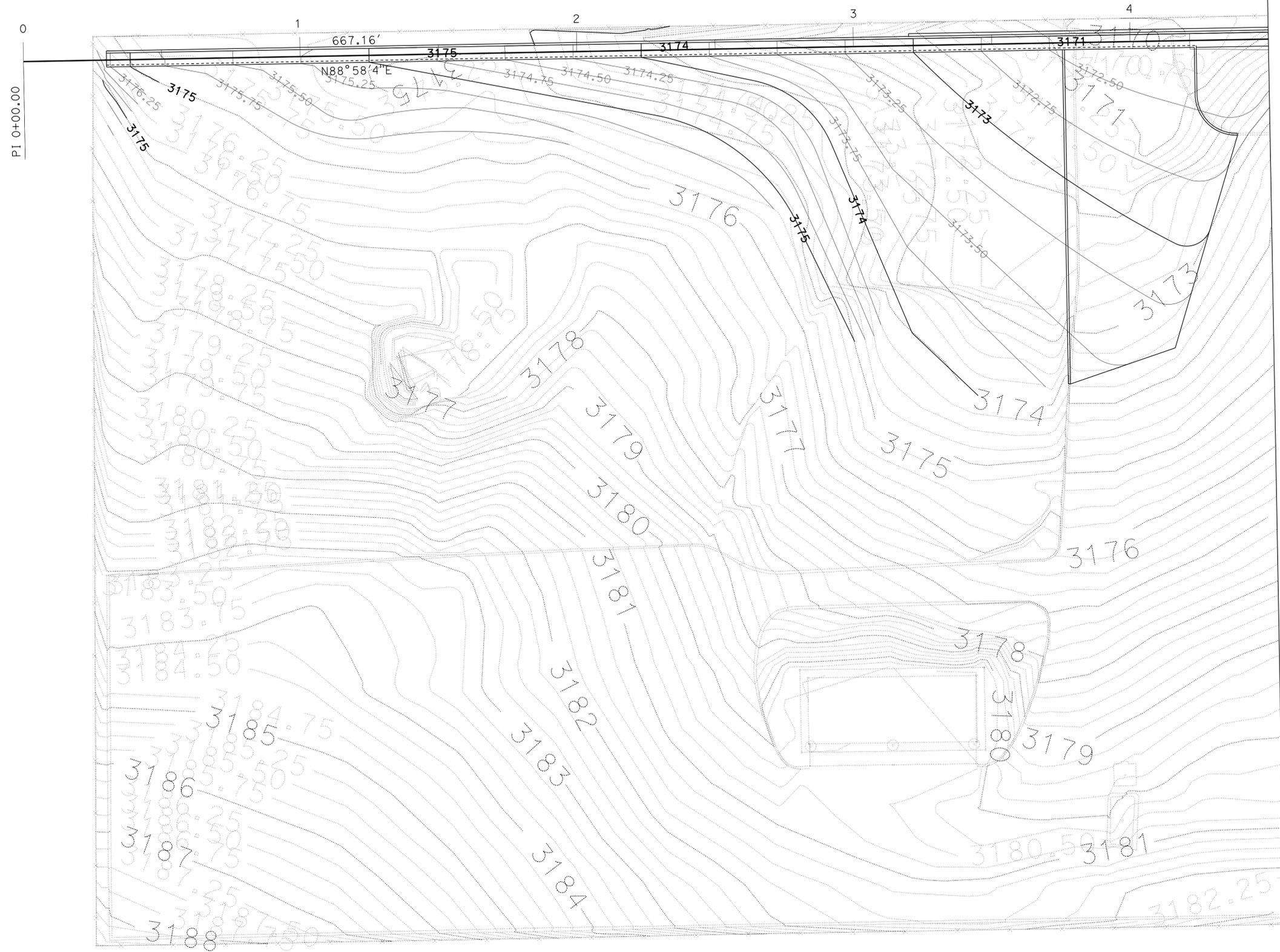
CONSTRUCTION DETAILS

C-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
Caltrans MAINTENANCE DESIGN	MICHAEL P. RISTIC	RAMADAN FARAG	
		MICHAEL RISTIC	

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		10	70
			3-16-15		
REGISTERED CIVIL ENGINEER			DATE		
3-16-15			PLANS APPROVAL DATE		
					
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	RAMADAN FARAG	REVISED BY
Caltrans MAINTENANCE DESIGN	MICHAEL P. RISTIC	CHECKED BY	MICHAEL RISTIC	DATE REVISED



MATCH LINE SEE SHEET G-2 (STA 4+50.00)

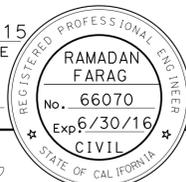
CONTOUR GRADING

SCALE 1" = 20'

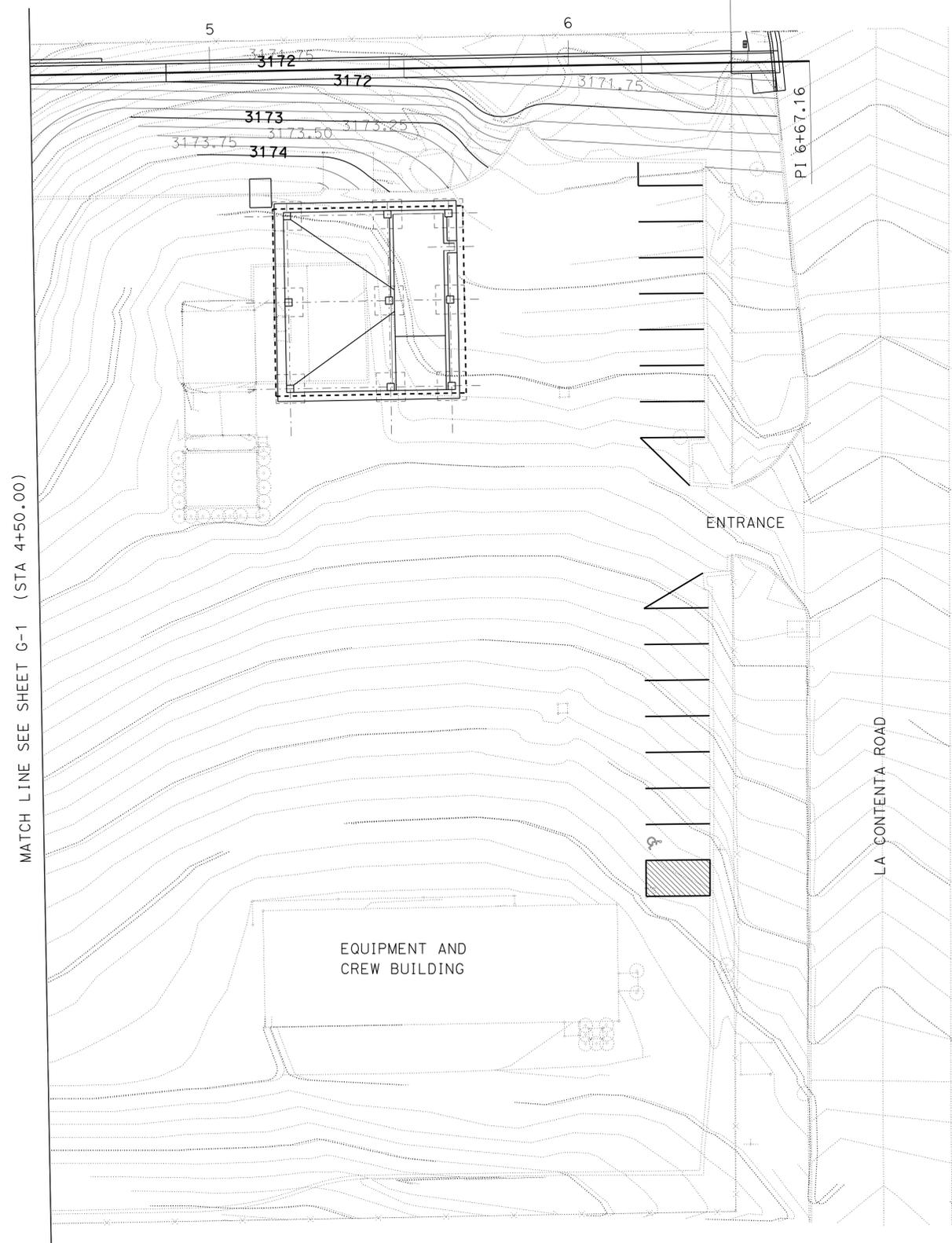
G-1

LAST REVISION DATE PLOTTED => 12-MAR-2015 03-16-15 TIME PLOTTED => 12:34

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		11	70
			REGISTERED CIVIL ENGINEER	DATE	
			3-16-15		
			PLANS APPROVAL DATE		
			3-16-15		
<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>					



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	RAMADAN FARAG	REVISED BY
Caltrans MAINTENANCE DESIGN	MICHAEL P. RISTIC	CHECKED BY	MICHAEL RISTIC	DATE REVISED



CONTOUR GRADING
SCALE 1" = 20' **G-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR
 MICHAEL P. RISTIC

CALCULATED-DESIGNED BY
 CHECKED BY

RAMADAN FARAG
 MICHAEL RISTIC

REVISED BY
 DATE REVISED

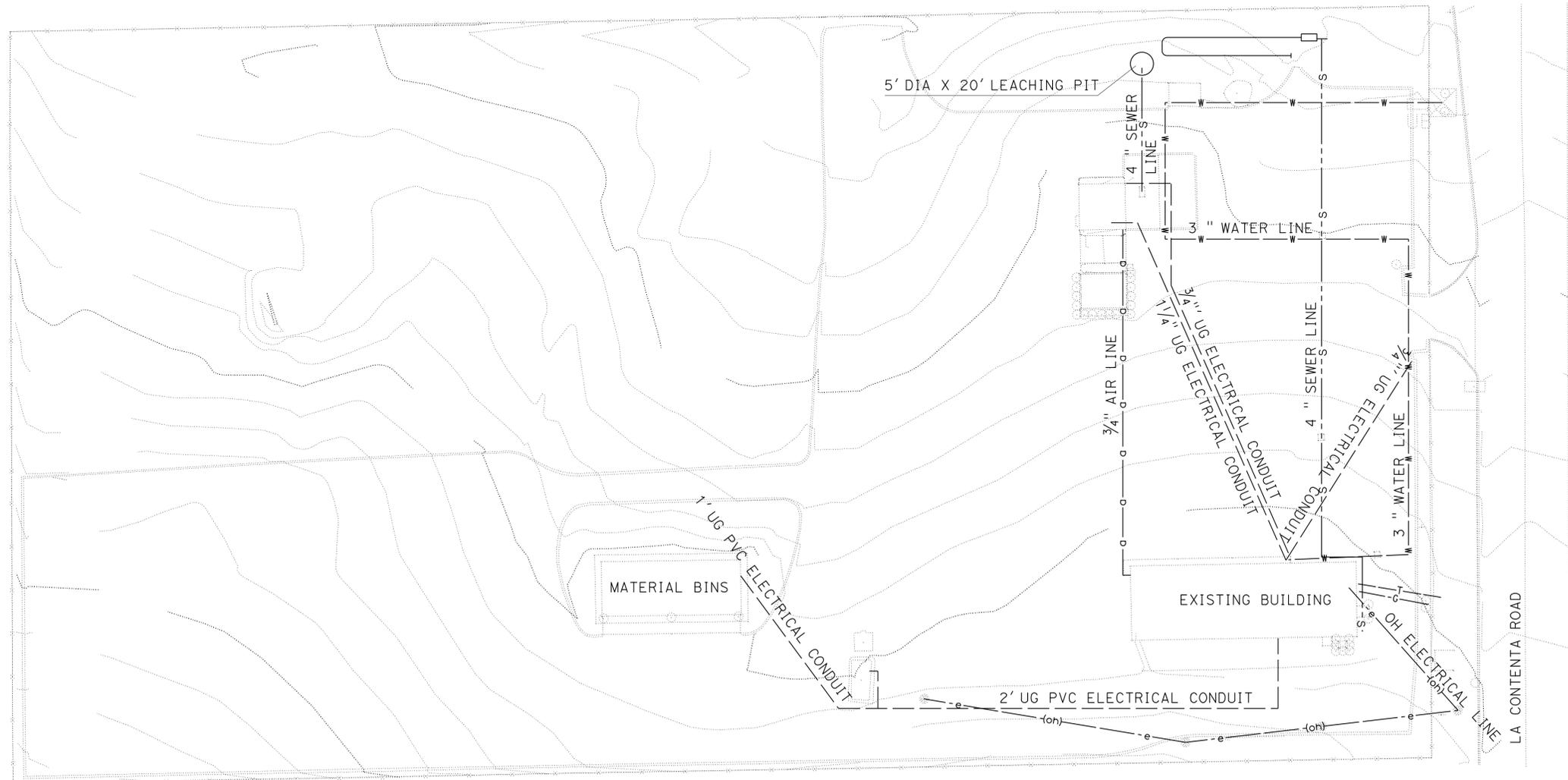
NOTES:

- FOR ACCURATE RIGHT OF WAY, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE
- THESE UTILITY LINE LOCATIONS WERE DETERMINED BY VISUAL INSPECTION AND AS BUILT PLANS. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS AND ELEVATIONS OF THESE UTILITIES
- UTILITY OWNERSHIP:

GAS-	SOUTHERN CALIFORNIA GAS COMPANY
ELECTRICAL-	SOUTHERN CALIFORNIA EDISON
WATER-	HI-DESERT WATER DISTRICT
SEWER-	CALTRANS
TELEPHONE-	VERIZON COMMUNICATION
COMPRESSED AIR-	CALTRANS

LEGEND:

- | | |
|--|--------------------------|
| | GAS LINE |
| | OVERHEAD ELECTRICAL LINE |
| | WATER LINE |
| | SEWER LINE (EXISTING) |
| | UNDER GROUND ELECTRICAL |
| | TELEPHONE LINE |
| | COMPRESSED AIR LINE |



Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		12	70

R. FARAG 3-16-15
 REGISTERED CIVIL ENGINEER DATE

3-16-15
 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.

UTILITY PLAN
 NO SCALE **U-1**

LAST REVISION DATE PLOTTED => 12-MAR-2015 03-16-15 TIME PLOTTED => 12:34

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR
 MICHAEL P. RISTIC

CALCULATED-DESIGNED BY
 CHECKED BY

RAMADAN FARAG
 MICHAEL RISTIC

REVISED BY
 DATE REVISED

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		13	70

R. FARAG 3-16-15
 REGISTERED CIVIL ENGINEER DATE

3-16-15
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 RAMADAN FARAG
 No. 66070
 Exp 6/30/16
 CIVIL
 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.

MISCELLANEOUS QUANTITIES

ITEM	UNIT	QUANTITY
REMOVE CHAIN LINK FENCE	LF	40
REMOVE ASPHALT CONCRETE DIKE	LF	180
REMOVE ASPHALT CONCRETE SURFACING	SQFT	5630
CLASS 2 AGGREGATE BASE	CY	73
ROADWAY EXCAVATION	CY	79
IMPORTED BORROW	CY	486
PARKING AREA SEAL	TON	30
MINOR HOT MIX ASPHALT	TON	175
TACK COAT	TON	0.2
LIQUID ASPHALT (PRIME COAT)	TON	2
WATERSTOP (N)	LF	6
MINOR CONCRETE(MINOR STRUCTURES)	CY	173
MINOR CONCRETE(CURB AND GUTTER)	CY	1
MINOR CONCRETE(SIDEWALK)	CY	2
MISCELLANEOUS IRON AND STEEL	LB	1258
CHAIN LINK FENCE (TYPE CL-6)	LF	40
PLACE HOT MIX ASPHALT DIKE	LF	165
PAINT TRAFFIC STRIPE (2-COAT)	LF	325
PAINT PAVEMENT MARKING (2-COAT)	SQFT	180

(N) = NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

TEMPORARY WATER POLLUTION CONTROL

ITEM	UNIT	QUANTITY
TEMPORARY FIBER ROLL	LF	1500
TEMPORARY CONCRETE WASHOUT	LS	1
TEMPORARY SOIL BINDER	SQYD	1500
TEMPORARY SILT FENCE	LF	800
TEMPORARY COVER	SQYD	800

SUMMARY OF QUANTITIES

Q-1

LAST REVISION DATE PLOTTED => 12-MAR-2015 03-16-15 TIME PLOTTED => 12:34

	M	
Maint	MAINTENANCE	
Max	MAXIMUM	
MB	METAL BEAM	
MBB	METAL BEAM BARRIER	
MBGR	METAL BEAM GUARD RAILING	
Med	MEDIAN	
MGS	MIDWEST GUARDRAIL SYSTEM	
MH	MANHOLE	
Min	MINIMUM	
Misc	MISCELLANEOUS	
Misc I & S	MISCELLANEOUS IRON AND STEEL	
Mkr	MARKER	
Mod	MODIFIED, MODIFY	
Mon	MONUMENT	
MP	METAL PLATE	
MPGR	METAL PLATE GUARD RAILING	
MR	MOVEMENT RATING	
MSE	MECHANICALLY STABILIZED EMBANKMENT	
Mt	MOUNTAIN, MOUNT	
MtI	MATERIAL	
MVP	MAINTENANCE VEHICLE PULLOUT	
	N	
N	NORTH	
NB	NORTHBOUND	
No.	NUMBER (MUST HAVE PERIOD)	
Nos.	NUMBERS (MUST HAVE PERIOD)	
NPS	NOMINAL PIPE SIZE	
NS	NEAR SIDE	
NSP	NEW STANDARD PLAN	
NTS	NOT TO SCALE	
	O	
Obir	OBLITERATE	
OC	OVERCROSSING	
OD	OUTSIDE DIAMETER	
OF	OUTSIDE FACE	
OG	ORIGINAL GROUND	
OGAC	OPEN GRADED ASPHALT CONCRETE	
OGFC	OPEN GRADED FRICTION COURSE	
OH	OVERHEAD	
OHWM	ORDINARY HIGH WATER MARK	
O-O	OUT TO OUT	
Opp	OPPOSITE	
OSD	OVERSIDE DRAIN	
	P	
p	PAGE	
PAP	PERFORATED ALUMINUM PIPE	
PB	PULL BOX	
PC	POINT OF CURVATURE, PRECAST	
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE	
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN	
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE	
PCVC	POINT OF COMPOUND VERTICAL CURVE	
PEC	PERMIT TO ENTER AND CONSTRUCT	
Ped	PEDESTRIAN	
Ped OC	PEDESTRIAN OVERCROSSING	
Ped UC	PEDESTRIAN UNDERCROSSING	
Perm MtI	PERMEABLE MATERIAL	

	P continued	
PG	PROFILE GRADE	
PI	POINT OF INTERSECTION	
PJP	PARTIAL JOINT PENETRATION	
Pkwy	PARKWAY	
PL, PL	PLATE	
P/L	PROPERTY LINE	
PM	POST MILE, TIME FROM NOON TO MIDNIGHT	
PN	PAVING NOTCH	
POC	POINT OF HORIZONTAL CURVE	
POT	POINT OF TANGENT	
POVC	POINT OF VERTICAL CURVE	
PP	PIPE PILE, PLASTIC PIPE, POWER POLE	
PPL	PREFORMED PERMEABLE LINER	
PPP	PERFORATED PLASTIC PIPE	
PRC	POINT OF REVERSE CURVE	
PRF	PAVEMENT REINFORCING FABRIC	
PRVC	POINT OF REVERSE VERTICAL CURVE	
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES	
PS, P/S	PRESTRESSED	
PSP	PERFORATED STEEL PIPE	
PT	POINT OF TANGENCY	
PVC	POLYVINYL CHLORIDE	
Pvmt	PAVEMENT	
	Q	
Qty	QUANTITY	
	R	
R	RADIUS	
R & D	REMOVE AND DISPOSE	
R & S	REMOVE AND SALVAGE	
R/C	RATE OF CHANGE	
RCA	REINFORCED CONCRETE ARCH	
RCB	REINFORCED CONCRETE BOX	
RCP	REINFORCED CONCRETE PIPE	
RCPA	REINFORCED CONCRETE PIPE ARCH	
Rd	ROAD	
Reinf	REINFORCED, REINFORCEMENT, REINFORCING	
Rel	RELOCATE	
Repl	REPLACEMENT	
Ret	RETAINING	
Rev	REVISED, REVISION	
Rdwy	ROADWAY	
RHMA	RUBBERIZED HOT MIX ASPHALT	
Riv	RIVER	
RM	ROAD-MIXED	
RP	RADIUS POINT, REFERENCE POINT	
RR	RAILROAD	
RSP	ROCK SLOPE PROTECTION, REVISED STANDARD PLAN	
Rt	RIGHT	
Rte	ROUTE	
RW	REDWOOD, RETAINING WALL	
R/W	RIGHT OF WAY	
Rwy	RAILWAY	

	S	
S	SOUTH, SUPPLEMENT	
SAE	STRUCTURE APPROACH EMBANKMENT	
Salv	SALVAGE	
SAPP	STRUCTURAL ALUMINUM PLATE PIPE	
SB	SOUTHBOUND	
SC	SAND CUSHION	
SCSP	SLOTTED CORRUGATED STEEL PIPE	
SD	STORM DRAIN	
Sec	SECOND, SECTION	
Sep	SEPARATION	
SG	SUBGRADE	
Shld	SHOULDER	
Sht	SHEET	
Sim	SIMILAR	
ℒ	STATION LINE	
SM	SELECTED MATERIAL	
Spec	SPECIAL, SPECIFICATIONS	
SPP	SLOTTED PLASTIC PIPE	
SS	SLOPE STAKE	
SSBM	STRAP AND SADDLE BRACKET METHOD	
SSD	STRUCTURAL SECTION DRAIN	
SSPA	STRUCTURAL STEEL PLATE ARCH	
SSPP	STRUCTURAL STEEL PLATE PIPE	
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH	
SSRP	STEEL SPIRAL RIB PIPE	
St	STREET	
Sta	STATION	
STBB	SINGLE THRIE BEAM BARRIER	
Std	STANDARD	
Str	STRUCTURE	
Surf	SURFACING	
SW	SIDEWALK, SOUND WALL	
Swr	SEWER	
Sym	SYMMETRICAL	
S4S	SURFACE 4 SIDES	
	T	
T	SEMI-TANGENT	
Tan	TANGENT	
TBB	THRIE BEAM BARRIER	
Tbr	TIMBER	
TC	TOP OF CURB	
TCB	TRAFFIC CONTROL BOX	
TCE	TEMPORARY CONSTRUCTION EASEMENT	
TeI	TELEPHONE	
Temp	TEMPORARY	
TG	TOP OF GRADE	
Tot	TOTAL	
TP	TELEPHONE POLE	
TPB	TREATED PERMEABLE BASE	
TPM	TREATED PERMEABLE MATERIAL	
Trans	TRANSITION	

	T continued	
TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL	
Typ	TYPICAL	U
UC	UNDERCROSSING	
UD	UNDERDRAIN	
UG	UNDERGROUND	
UON	UNLESS OTHERWISE NOTED	
UP	UNDERPASS	V
V	VALVE, DESIGN SPEED	
Var	VARIABLE, VARIES	
VC	VERTICAL CURVE	
VCP	VITRIFIED CLAY PIPE	
Vert	VERTICAL	
Via	VIADUCT	
Vol	VOLUME	W
W	WEST, WIDTH	
WB	WESTBOUND	
WH	WEEP HOLE	
WM	WIRE MESH	
WS	WATER SURFACE	
WSP	WELDED STEEL PIPE	
Wt	WEIGHT	
WV	WATER VALVE	
WW	WINGWALL	
WWLOL	WINGWALL LAYOUT LINE	X
X Sec	CROSS SECTION	
Xing	CROSSING	Y
Yr	YEAR	
Yrs	YEARS	

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		14	70

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Grace M. Tsushima
 No. C49814
 Exp. 9-30-14
 CIVIL
 STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 3-16-15

UNIT OF MEASUREMENT SYMBOLS:

Some of the symbols used in the project plan quantity tables and in the Bid Item List are:

TABLE A

SYMBOL USED	DEFINITIONS
ACRE	ACRE
CF	CUBIC FOOT
CY	CUBIC YARD
EA	EACH
GAL	GALLON
LB	POUND
LF	LINEAR FOOT
SQFT	SQUARE FOOT
SQYD	SQUARE YARD
STA	100 FEET
TAB	TABLET
TON	2,000 POUNDS

Some of the symbols used in the plans other than in the project plan quantity tables are:

TABLE B

SYMBOL USED	DEFINITIONS
ksi	KIPS PER SQUARE INCH
ksf	KIPS PER SQUARE FOOT
psi	POUNDS PER SQUARE INCH
psf	POUNDS PER SQUARE FOOT
lb/ft ³ , pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH *	MILES PER HOUR
∅	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kíp	1,000 POUNDS
cal	CALORIE
ft	FOOT OR FEET
gal	GALLON

* For use on a sign panel only

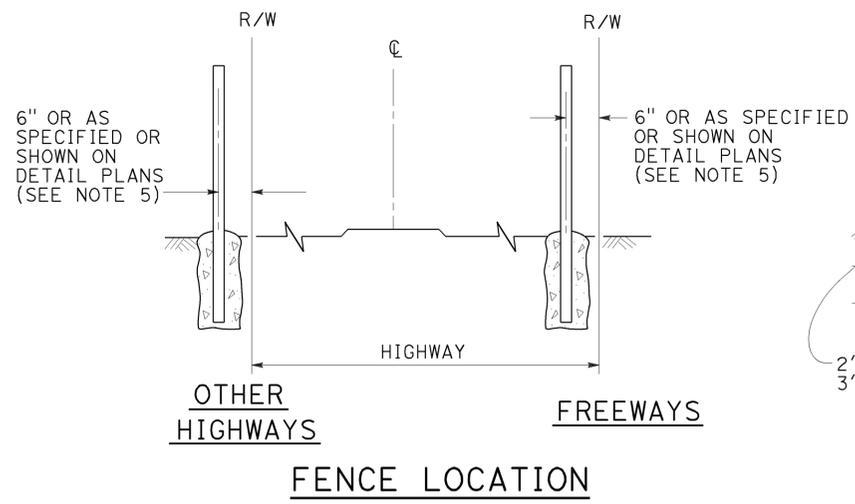
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ABBREVIATIONS
(SHEET 2 OF 2)**

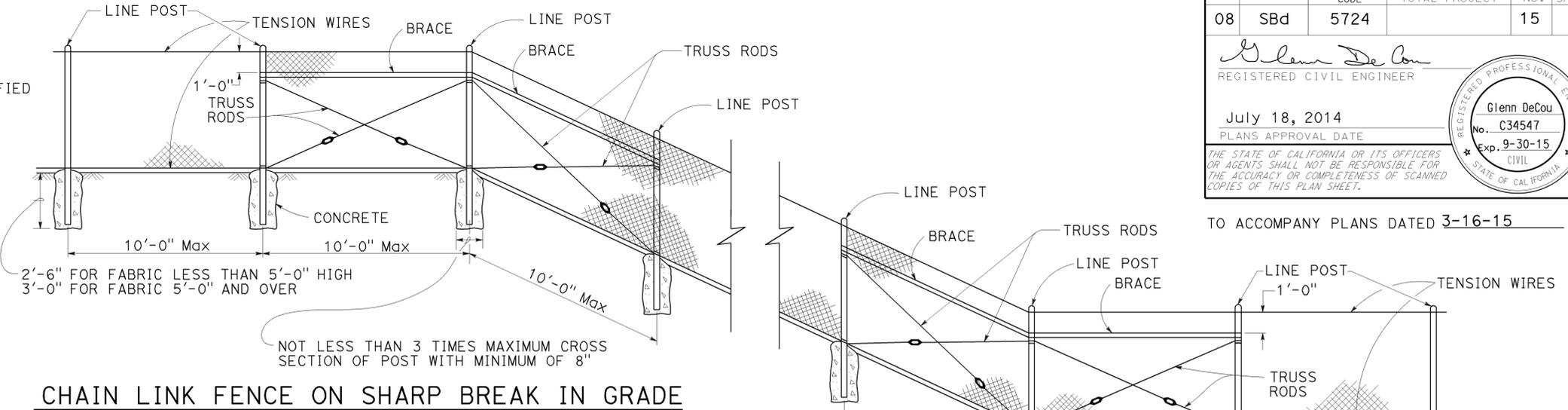
NO SCALE

RSP A10B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A10B
DATED MAY 20, 2011 - PAGE 2 OF THE STANDARD PLANS BOOK DATED 2010.

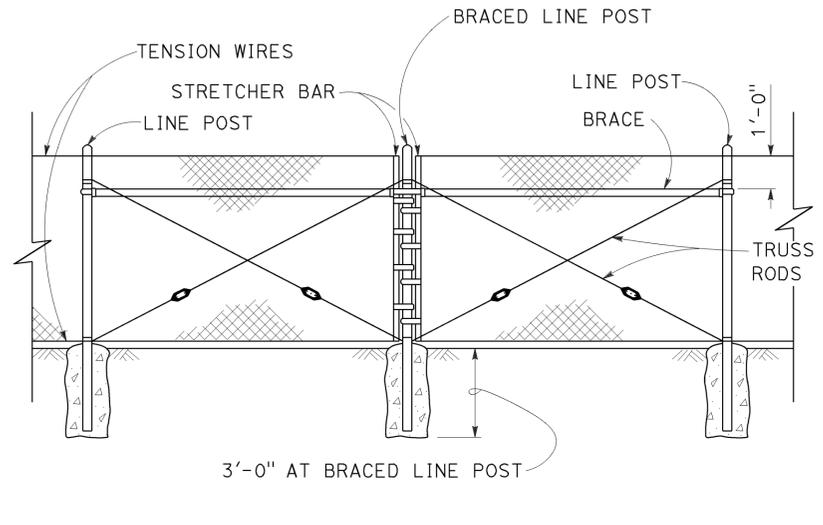
2010 REVISED STANDARD PLAN RSP A10B



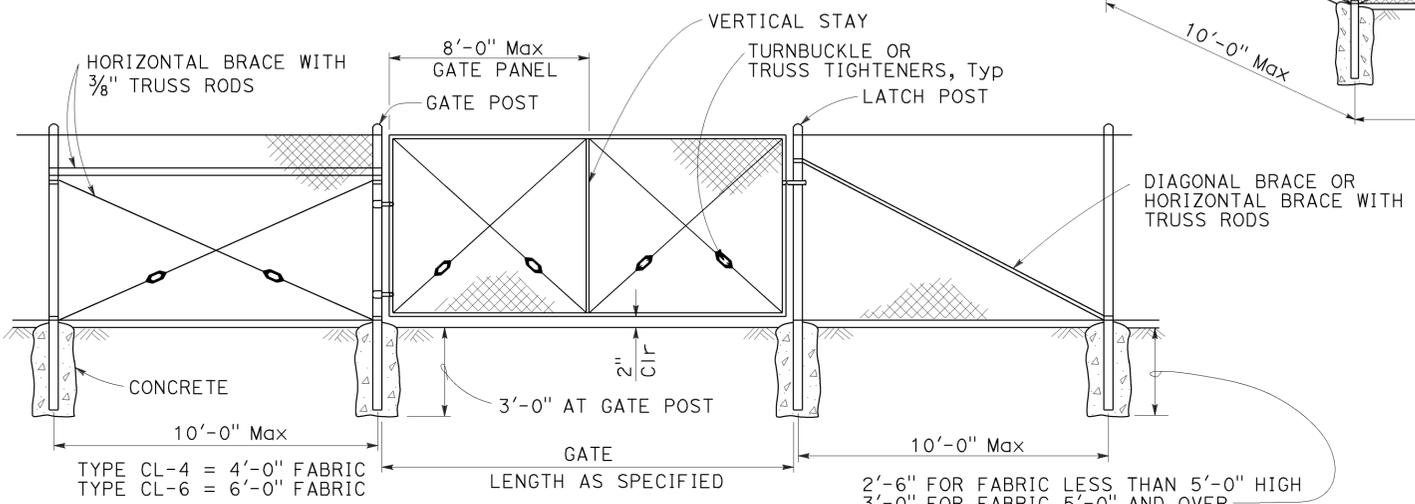
FENCE LOCATION



CHAIN LINK FENCE ON SHARP BREAK IN GRADE



BRACED LINE POST INSTALLATION
Braced line post at intervals not exceeding 1000'



CHAIN LINK GATE INSTALLATION

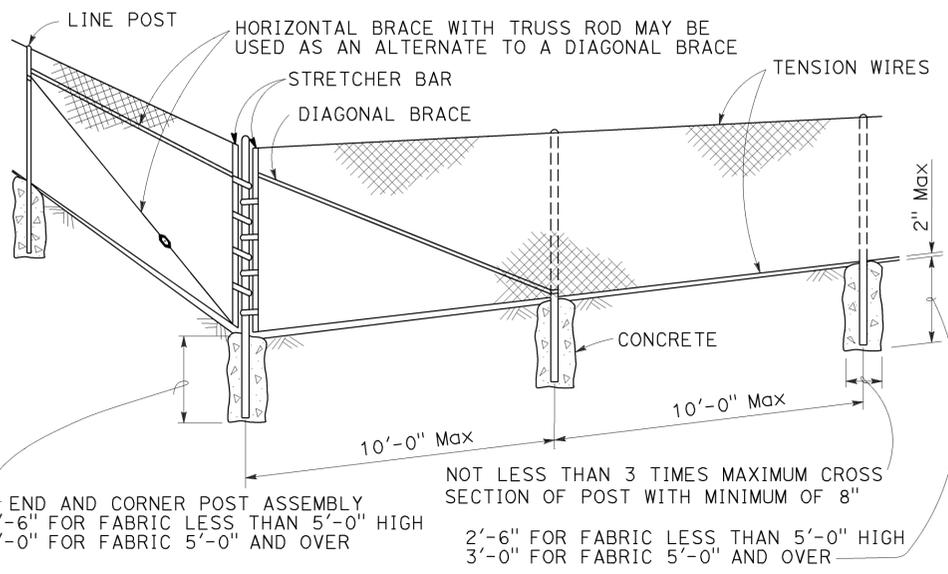
GATE POST			
FENCE HEIGHT	GATE WIDTHS	ROUND OD PIPE	WEIGHT (lb/ft)
6'-0" AND LESS	UP THRU 6'-0"	2.875"	5.80
	OVER 6'-0" THRU 12'-0"	4.500"	10.80
	OVER 12'-0" THRU 18'-0"	5.563"	14.63
OVER 6'-0" TO 8'-0" Max	OVER 18'-0" TO 24'-0" Max	6.625"	18.99
	UP THRU 6'-0"	3.500"	7.58
	OVER 6'-0" THRU 12'-0"	5.563"	14.63
	OVER 12'-0" THRU 18'-0"	6.625"	18.99
	OVER 18'-0" TO 24'-0" Max	8.625"	28.58

Above post dimensions and weights are minimums. Larger sizes may be used upon approval.

NOTES:

- The table below shows minimum sized posts and braces complying with the specifications. Larger or heavier post and brace sizes may be used upon approval.
- Sections shown in the tables must also comply with the strength requirements and other provisions of the Specifications.
- Other sections which comply with the strength requirements and other provisions of the Specifications may be used upon approval.
- Options exercised shall be uniform on any one project.
- Offset to be 2'-0" at monument locations, measured at right angles to R/W lines. Taper to achieve offset to be at least 20'-0" long.
- See Revised Standard Plan RSP A85B for Brace, Stretcher Bar, and Truss Tightener Details.

TYPICAL MEMBER DIMENSIONS (See Notes)										
FENCE HEIGHT	LINE POSTS				END, LATCH AND CORNER POSTS		BRACES			
	ROUND OD PIPE	WEIGHT (lb/ft)	ROLL FORMED		ROUND OD PIPE	WEIGHT (lb/ft)	ROUND OD PIPE	WEIGHT (lb/ft)	ROLL FORMED	
			SECTION	WEIGHT (lb/ft)					SECTION	WEIGHT (lb/ft)
6'-0" AND LESS	1.900"	2.72	1.875" x 1.625"	1.85	2.375"	3.65	1.66"	2.27	1.625" x 1.25"	1.35
OVER 6'-0" TO 8'-0" Max	2.375"	3.65	2.25" x 1.70"	2.78	2.875"	5.80	1.66"	2.27	1.625" x 1.25"	1.35



CORNER POST

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
CHAIN LINK FENCE
NO SCALE

RSP A85 DATED JULY 18, 2014 SUPERSEDES STANDARD PLAN A85
DATED MAY 20, 2011 - PAGE 112 OF THE STANDARD PLANS BOOK DATED 2010.

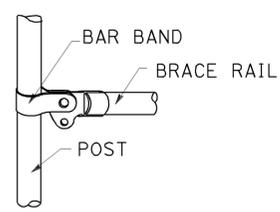
REVISED STANDARD PLAN RSP A85

2010 REVISED STANDARD PLAN RSP A85

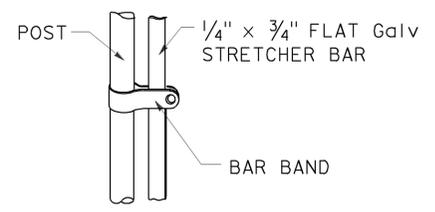
DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		16	70

Glenn DeCou
 REGISTERED CIVIL ENGINEER
 October 19, 2012
 PLANS APPROVAL DATE
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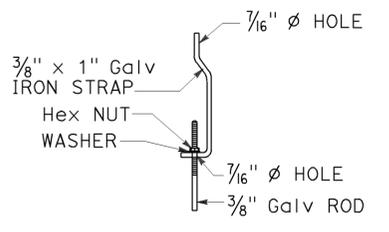
REGISTERED PROFESSIONAL ENGINEER
 Glenn DeCou
 No. C34547
 Exp. 9-30-13
 CIVIL
 STATE OF CALIFORNIA



BRACE RAIL



STRETCHER BAR

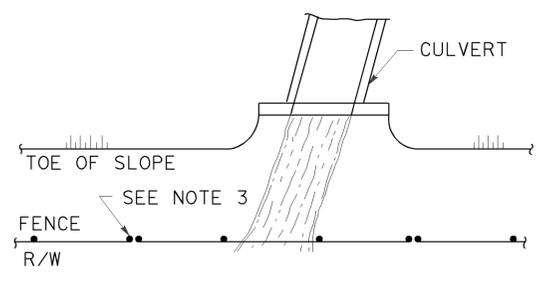


TRUSS TIGHTENER

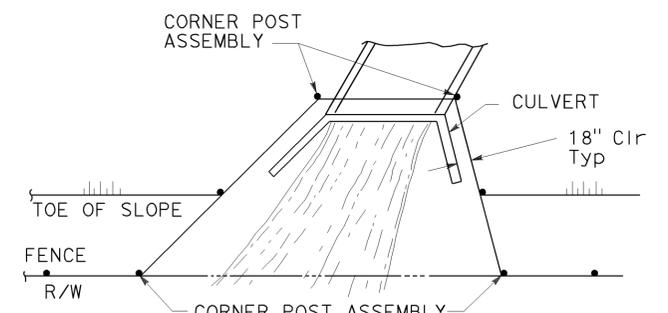
NOTES:

1. All material for abutment connection to be galvanized.
2. The chain link fabric shall be replaced by barbed wire strands at 12" maximum centers between the double posts.
3. When the width of the culvert makes it necessary to anchor a post to the top of the culvert, a cast iron shoe or other device approved by the Engineer shall be used.
4. Fencing over stream and around headwall may also use Barbed Wire or Wire Mesh fencing with either wood post or steel post installation.
5. See Standard Plan A85 for Chain Link fence dimensions. See Standard Plan A86 for Barbed Wire and Wire Mesh fence dimensions and for wood post and steel post installation.

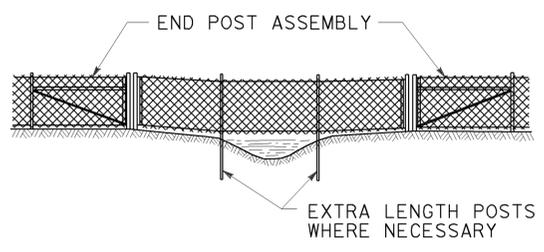
TO ACCOMPANY PLANS DATED 3-16-15



PLAN

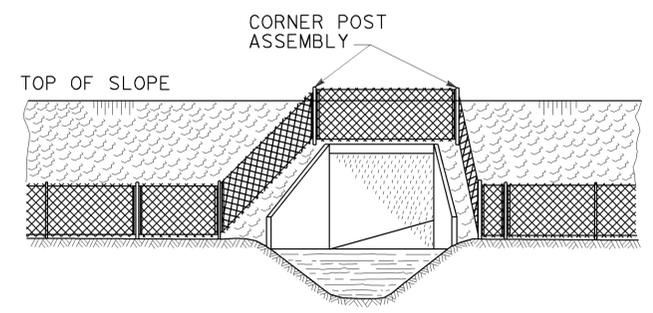


PLAN



ELEVATION

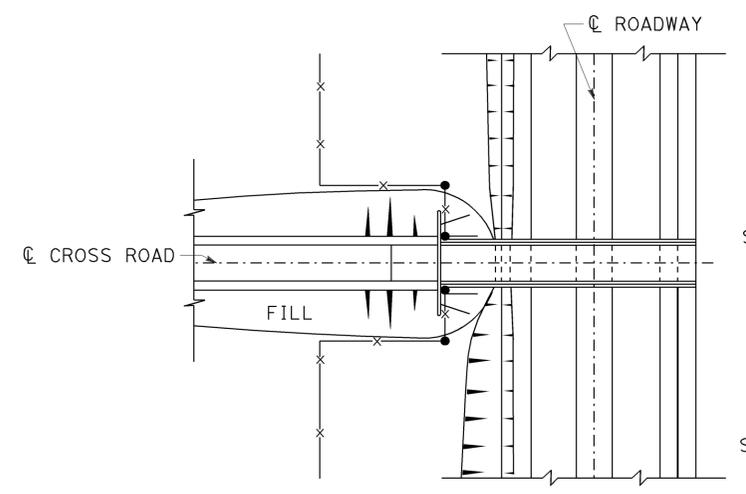
INSTALLATION OVER STREAM



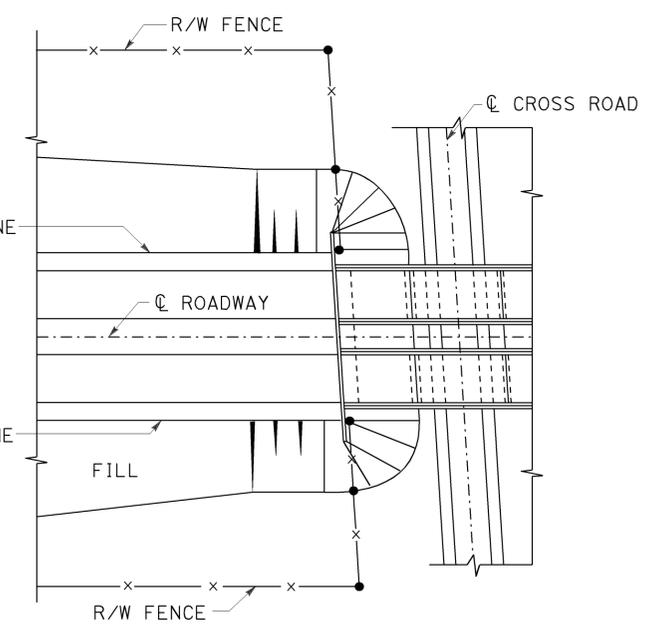
ELEVATION

INSTALLATION AROUND HEADWALL

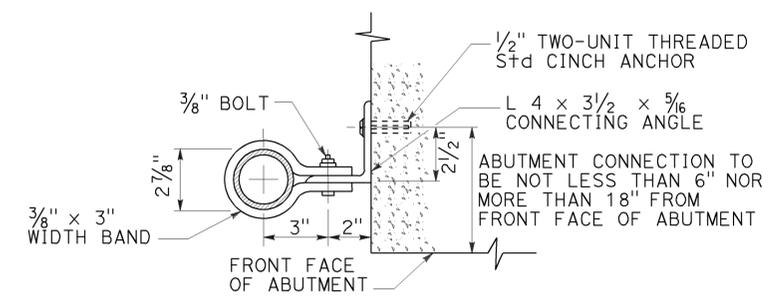
See Note 4



PLAN OF ROADWAY - OVERCROSSING



PLAN OF ROADWAY - UNDERCROSSING



ABUTMENT CONNECTION

TYPICAL INSTALLATION AT BRIDGES

ABUTMENT CONNECTION TO BE NOT LESS THAN 6" NOR MORE THAN 18" FROM FRONT FACE OF ABUTMENT

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CHAIN LINK FENCE DETAILS

NO SCALE

RSP A85B DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A85B DATED MAY 20, 2011 - PAGE 114 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A85B

2010 REVISED STANDARD PLAN RSP A85B

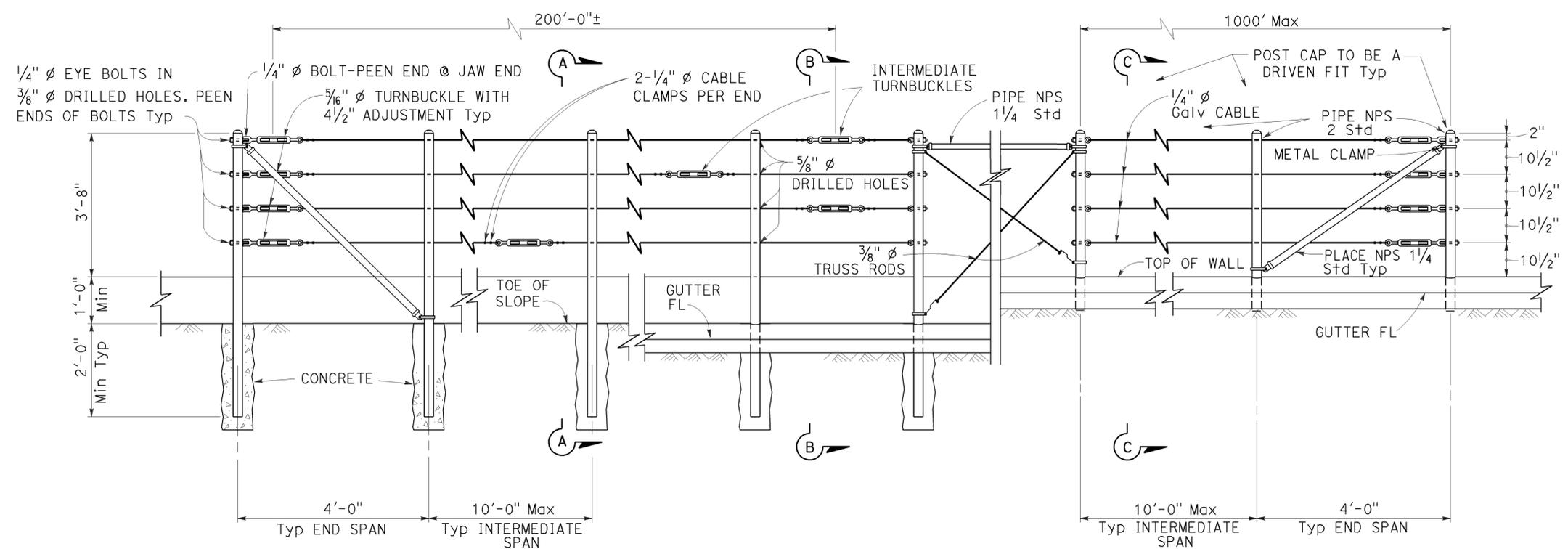
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		17	70

REGISTERED CIVIL ENGINEER

October 21, 2011
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
Tillett Satter
No. C42892
Exp. 3-31-12
CIVIL
STATE OF CALIFORNIA

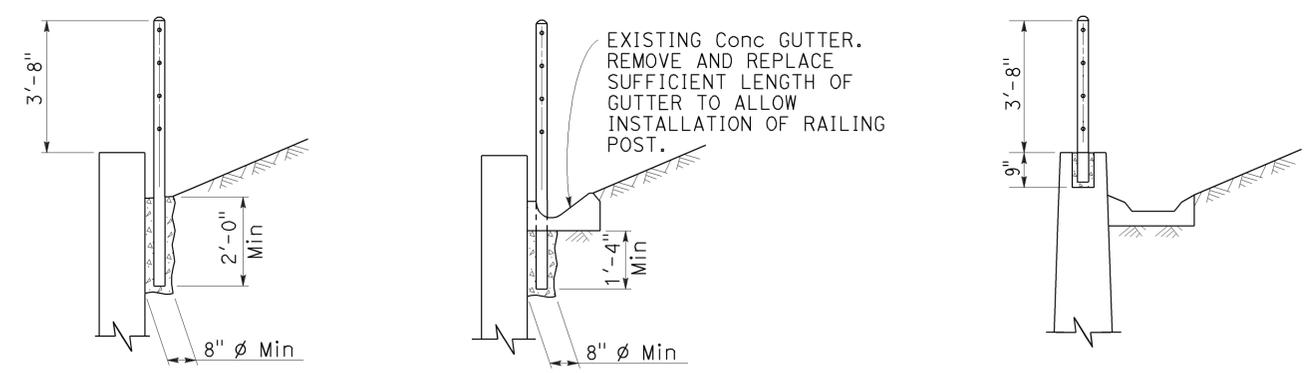


EXISTING WALL (WITHOUT GUTTER) Existing
RETAINING WALL (WITH GUTTER) Existing
RETAINING WALL (WITH GUTTER) New construction

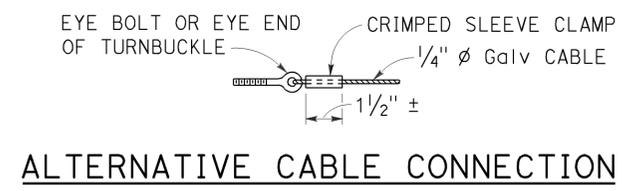
ELEVATION

NOTES:

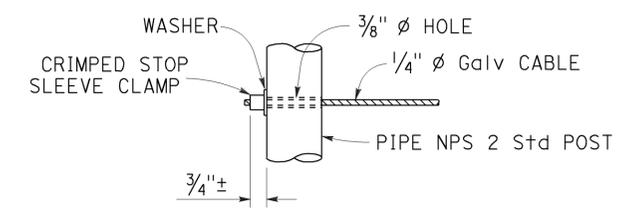
1. Maximum distance between turnbuckles shall be 200'-0"±.
2. Intermediate turnbuckles to be placed in adjacent spans.
3. Cable shall not be spliced between intermediate turnbuckles and end posts.
4. Posts to be vertical.
5. Alignment of holes in posts may vary to conform to slope of top of retaining wall.
6. The Contractor shall verify all dependent dimensions in the field before ordering or fabricating any material.
7. Line posts shall be braced horizontally and trussed diagonally in both directions at intervals not to exceed 1000'.
8. Post pockets to be centered in top of wall.
9. Typical end spans, braced in both directions, shall be constructed at changes in line where the angle of deflection is 15° or more.
10. Provide thimbles at all cable loops.



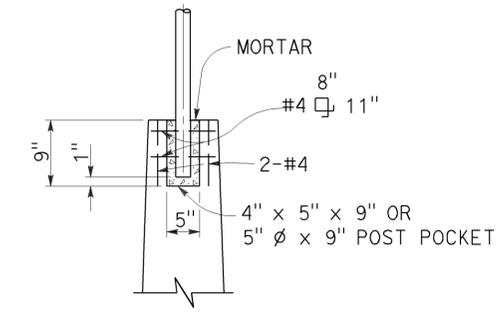
SECTION A-A Existing
SECTION B-B Existing
SECTION C-C New construction



ALTERNATIVE CABLE CONNECTION



ALTERNATIVE DEAD END ANCHORAGE



POST POCKET

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
CABLE RAILING

NO SCALE

RSP B11-47 DATED OCTOBER 21, 2011 SUPERSEDES STANDARD PLAN B11-47 DATED MAY 20, 2011 - PAGE 293 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP B11-47

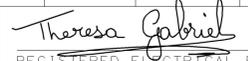
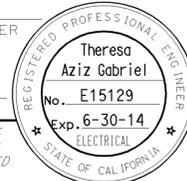
2010 REVISED STANDARD PLAN RSP B11-47

LEGEND:

AB	ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS
BC	INSTALL PULL BOX IN EXISTING CONDUIT RUN
BP	PEDESTRIAN BARRICADE, TYPE AS INDICATED ON PLAN
CB	INSTALL CONDUIT INTO EXISTING PULL BOX
CC	CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED
CF	CONDUIT TO REMAIN FOR FUTURE USE. REMOVE CONDUCTORS. INSTALL PULL TAPE
DH	DETECTOR HANDHOLE
FA	FOUNDATION TO BE ABANDONED
IS	INSTALL SIGN ON SIGNAL MAST ARM
NS	NO SLIP BASE ON STANDARD
PEC	PHOTOELECTRIC CONTROL
PEU	PHOTOELECTRIC UNIT
RC	EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR
RE	REMOVE ELECTROLIER, FUSES AND BALLAST. TAPE ENDS OF CONDUCTORS
RL	RELOCATE EQUIPMENT
RR	REMOVE AND REUSE EQUIPMENT
RS	REMOVE AND SALVAGE EQUIPMENT
SC	SPLICE NEW TO EXISTING CONDUCTORS
SD	SERVICE DISCONNECT
TSP	TELEPHONE SERVICE POINT

ABBREVIATIONS

APS	ACCESSIBLE PEDESTRIAN SIGNAL	M/M	MULTIPLE TO MULTIPLE TRANSFORMER
BBS	BATTERY BACKUP SYSTEM	Mtg	MOUNTING
BC	BOLT CIRCLE	MV	MERCURY VAPOR LIGHTING FIXTURE
BPB	BICYCLE PUSH BUTTON	MVDS	MICROWAVE VEHICLE DETECTION SYSTEM
C	CONDUIT	N	NEUTRAL (GROUNDED CONDUCTOR)
CB	CIRCUIT BREAKER	NB	NEUTRAL BUS
CCTV	CLOSED CIRCUIT TELEVISION	NC	NORMALLY CLOSE
Ck+	CIRCUIT	NO	NORMALLY OPEN
CMS	CHANGEABLE MESSAGE SIGN	P	CIRCUIT BREAKER'S POLE
C+id	CALTRANS IDENTIFICATION	PB	PULL BOX
Comm	COMMUNICATION	PBA	PUSH BUTTON ASSEMBLY
DLC	LOOP DETECTOR LEAD-IN CABLE	PEC	PHOTOELECTRIC CONTROL
EMS	EXTINGUISHABLE MESSAGE SIGN	Ped	PEDESTRIAN
EVUC	EMERGENCY VEHICLE UNIT CABLE	PEU	PHOTOELECTRIC UNIT
EVUD	EMERGENCY VEHICLE UNIT DETECTOR	PT	CONDUIT WITH PULL TAPE
FB	FLASHING BEACON	RE	RELOCATED EQUIPMENT
FBCA	FLASHING BEACON CONTROL ASSEMBLY	RM	RAMP METERING
FBS	FLASHING BEACON WITH SLIP BASE	RWIS	ROADSIDE WEATHER INFORMATION SYSTEM
FO	FIBER OPTIC	SB	SLIP BASE
G	EQUIPMENT GROUNDING CONDUCTOR	SIC	SIGNAL INTERCONNECT CABLE
GB	GROUND BUS	Sig	SIGNAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	SMA	SIGNAL MAST ARM
HAR	HIGHWAY ADVISORY RADIO	SNS	STREET NAME SIGN
Hex	HEXAGONAL	SP	SERVICE POINT
HPS	HIGH PRESSURE SODIUM	TDC	TELEPHONE DEMARCATION CABINET
IISNS	INTERNALLY ILLUMINATED STREET NAME SIGN	TMS	TRAFFIC MONITORING STATION
ISL	INDUCTION SIGN LIGHTING	TOS	TRAFFIC OPERATIONS SYSTEM
LED	LIGHT EMITTING DIODE	Veh	VEHICLE
LMA	LUMINAIRE MAST ARM	VIVDS	VIDEO IMAGE VEHICLE DETECTION SYSTEM
LPS	LOW PRESSURE SODIUM	WIM	WEIGH-IN-MOTION
Ltg	LIGHTING	Xfmr	TRANSFORMER
Lum	LUMINAIRE		
M	METERED		
MAT	MAST ARM MOUNTING TOP ATTACHMENT		
MAS	MAST ARM MOUNTING SIDE ATTACHMENT		

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		18	70
 REGISTERED ELECTRICAL ENGINEER July 19, 2013 PLANS APPROVAL DATE					
					
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TO ACCOMPANY PLANS DATED 3-16-15

SOFFIT AND WALL MOUNTED LUMINAIRES

-  PENDANT, 70 W HPS UNLESS OTHERWISE SPECIFIED
-  FLUSH, 70 W HPS UNLESS OTHERWISE SPECIFIED
-  WALL SURFACE, 70 W HPS UNLESS OTHERWISE SPECIFIED
-  EXISTING SOFFIT OR WALL LUMINAIRE TO REMAIN UNMODIFIED
-  EXISTING SOFFIT OR WALL LUMINAIRE TO BE MODIFIED AS SPECIFIED

NOTE:
Arrow indicates "street side" of luminaire.

COMMONLY USED SYMBOLS FOR UNITED STATES CUSTOMARY UNITS OF MEASUREMENT:

SYMBOL USED	DEFINITIONS
Ω	OHMS
min	MINUTE
s	SECOND
bps	BITS PER SECOND
Bps	BYTES PER SECOND
A	AMPERE
V	VOLT
V(dc)	VOLT (DIRECT CURRENT)
V(ac)	VOLT (ALTERNATING CURRENT)
FC	FOOT - CANDLE
W	WATTS
VA	VOLT-AMPERE
M	MEGA
k	KILO
m	MILLI
μ	MICRO
P	PICO
HZ	HERTZ

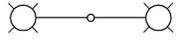
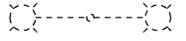
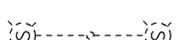
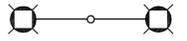
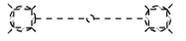
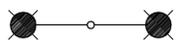
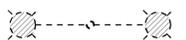
MISCELLANEOUS ELECTROLIERS

NEW	EXISTING	
		LUMINAIRE ON WOOD POLE
		NON-STANDARD ELECTROLIER (SEE PROJECT NOTES OR PROJECT PLANS)
		CITY ELECTROLIER
		ELECTROLIER FOUNDATION (FUTURE INSTALLATION)

NOTES:

- HPS luminaires shall be 310 W HPS when installed on Type 21, 21D, 30, 31 and 32 Standards, unless otherwise specified. HPS luminaires shall be 200 W when installed on other type standards or poles, unless otherwise specified.
- LED luminaires shall be 235 W when installed on Type 21, 21D, 30, 31 and 32 Standards, unless otherwise specified. LED luminaires shall be 165 W when installed on other type standards or poles, unless otherwise specified.
- Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.

STANDARD ELECTROLIER

NEW	EXISTING	STANDARD TYPE
		15
		15D
		15 STRUCTURE
		15D STRUCTURE
		21
		21D
		21 STRUCTURE
		21D STRUCTURE
		30
		31
		32

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)

NO SCALE

RSP ES-1A DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1A DATED MAY 20, 2011 - PAGE 425 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1A

2010 REVISED STANDARD PLAN RSP ES-1A

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		19	70

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

Theresa Aziz Gabriel
No. E15129
Exp. 6-30-14
ELECTRICAL
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.

TO ACCOMPANY PLANS DATED 3-16-15

CONDUIT

SIGNAL EQUIPMENT

NEW	EXISTING	
---	---	LIGHTING CONDUIT, UNLESS OTHERWISE INDICATED OR NOTED
---	---	TRAFFIC SIGNAL CONDUIT
---C---	---c---	COMMUNICATION CONDUIT
---T---	---t---	TELEPHONE CONDUIT
---F---	---f---	FIRE ALARM CONDUIT
---FO---	---fo---	FIBER OPTIC CONDUIT
---	---	CONDUIT TERMINATION
		CONDUIT RISER ATTACHED TO THE STRUCTURE OR SERVICE POLE

NEW	EXISTING	
		PEDESTRIAN SIGNAL HEAD "C" INDICATES COUNTDOWN PEDESTRIAN HEAD
		PUSH BUTTON ASSEMBLY POST
		PEDESTRIAN BARRICADE
		VEHICLE SIGNAL HEAD (WITH BACKPLATE AND 3-SECTIONS: RED, YELLOW AND GREEN)
		VEHICLE SIGNAL HEAD WITH ANGLE VISOR
		MODIFICATIONS OF BASIC SYMBOL: "L" INDICATES ALL NON-ARROW SECTIONS LOUVERED "LG" INDICATES LOUVERED GREEN SECTION ONLY "PV" INDICATES ALL 12" SECTIONS PROGRAMMED VISIBILITY "8" INDICATES ALL 8" SECTIONS (ONLY WHEN SPECIFIED)

SIGNAL EQUIPMENT Cont

NEW	EXISTING	
		GUARD POST
		TYPE 1 STANDARD WITH RAMP METERING SIGN
		OPTICAL DETECTOR FOR THE EMERGENCY VEHICLE DETECTION SYSTEM

SERVICE EQUIPMENT

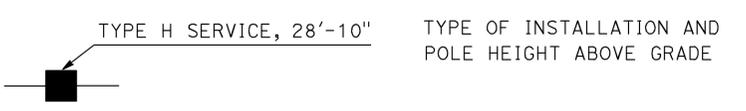
NEW	EXISTING	
---OH---	---oh---	OVERHEAD LINES
		WOOD POLE, "U" INDICATES UTILITY OWNED
		POLE GUY WITH ANCHOR
		UTILITY TRANSFORMER - GROUND MOUNTED
		SERVICE EQUIPMENT ENCLOSURE TYPE. DOOR INDICATES FRONT OF ENCLOSURE
		TELEPHONE DEMARCATION CABINET

NEW	EXISTING	
		VEHICLE SIGNAL HEAD CONSISTING OF RED, YELLOW AND GREEN LEFT ARROW SECTIONS
		VEHICLE SIGNAL HEAD CONSISTING OF RED AND YELLOW SECTIONS WITH AN UP GREEN ARROW SECTION
		VEHICLE SIGNAL HEAD (5 SECTION) CONSISTING OF RED, YELLOW AND GREEN SECTIONS WITH YELLOW AND GREEN RIGHT ARROW SECTIONS
		TYPE 15TS STANDARD WITH VEHICLE SIGNAL HEAD AND LUMINAIRE
		TYPE 21TS STANDARD WITH VEHICLE SIGNAL HEAD AND LUMINAIRE
		STANDARD WITH LUMINAIRE AND SIGNAL MAST ARMS AND ATTACHED VEHICLE SIGNAL HEADS
		TYPE 1 STANDARD WITH ATTACHED VEHICLE SIGNAL HEADS
		STANDARD WITH A SIGNAL MAST ARM, ATTACHED VEHICLE SIGNAL HEADS AND INTERNALLY ILLUMINATED STREET NAME SIGN
		CONTROLLER ASSEMBLY. DOOR INDICATES FRONT OF CABINET

NOTES:

- All signal sections shall be 12" unless shown otherwise.
- Signal heads shall be provided with backplates unless shown otherwise.

POLE-MOUNTED SERVICE DESIGNATION



FLASHING BEACON

NEW	EXISTING	
		FLASHING BEACON (ONE VEHICLE SIGNAL HEAD WITH BACKPLATE AND VISOR) "R" INDICATES RED INDICATION, "Y" INDICATES YELLOW INDICATION
		FLASHING BEACON WITH TYPE 15-FBS STANDARD AND A SIGN.
		FLASHING BEACON WITH TYPES 9, 9A OR 9B SIGN UNLESS OTHERWISE SPECIFIED OR INDICATED

ILLUMINATED OVERHEAD SIGN

NEW	EXISTING	
		SINGLE POST, SINGLE ILLUMINATED SIGN, BALANCED BUTTERFLY
		SINGLE POST, DOUBLE ILLUMINATED SIGN, BALANCED BUTTERFLY
		SINGLE POST, SINGLE ILLUMINATED SIGN, FULL CANTILEVER
		DOUBLE POST, SINGLE ILLUMINATED SIGN
		SINGLE ILLUMINATED SIGN MOUNTED ON STRUCTURE
		DOUBLE POST, SINGLE ILLUMINATED SIGN WITH ELECTROLIER

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**ELECTRICAL SYSTEMS
(LEGEND AND ABBREVIATIONS)**
NO SCALE

RSP ES-1B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1B DATED MAY 20, 2011 - PAGE 426 OF THE STANDARD PLANS BOOK DATED 2010.

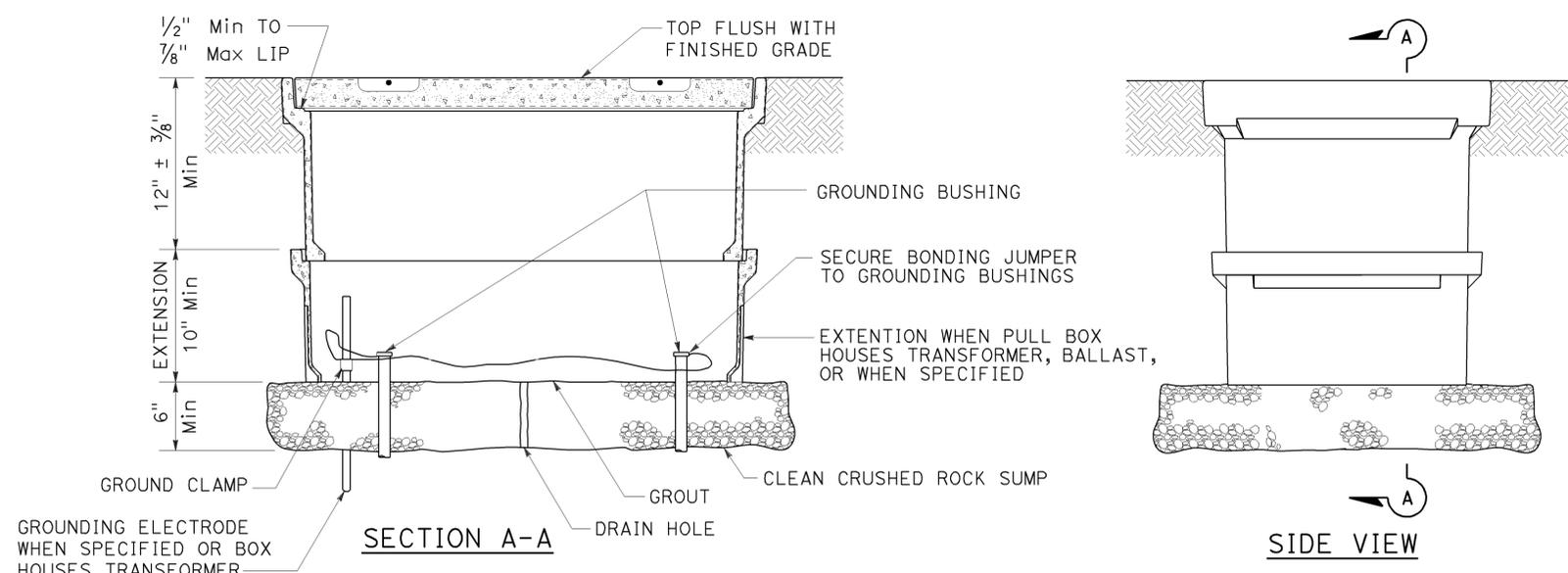
REVISED STANDARD PLAN RSP ES-1B

2010 REVISED STANDARD PLAN RSP ES-1B

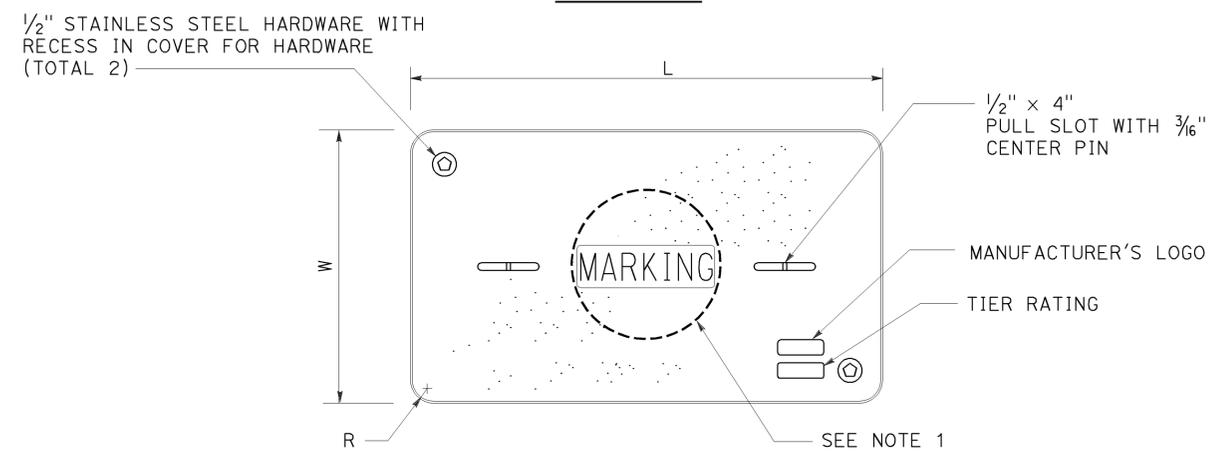
DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	5724		20	70

Theresa Gabriel
 REGISTERED ELECTRICAL ENGINEER
 July 19, 2013
 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.

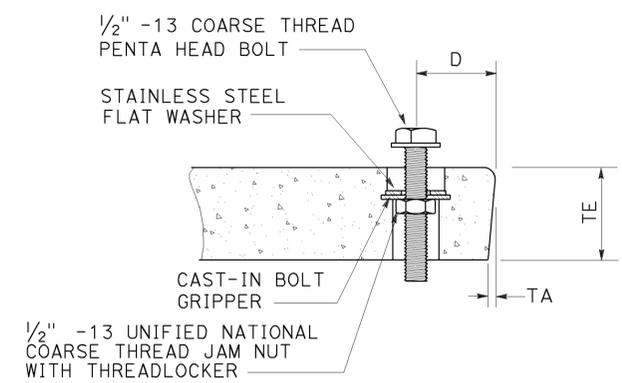
TO ACCOMPANY PLANS DATED 3-16-15



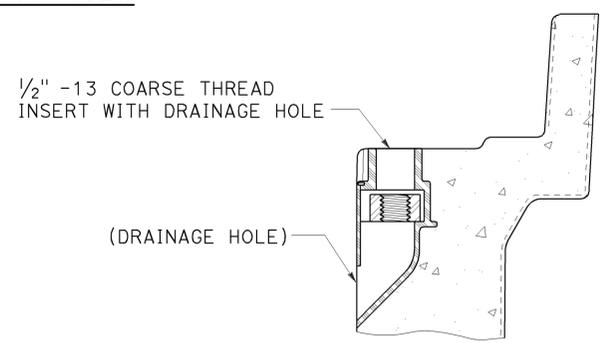
INSTALLATION DETAILS
DETAIL A



COVER TOP VIEW



TYPICAL COVER CAPTIVE BOLT
OR SIMILAR



TYPICAL THREADED INSERT
OR SIMILAR

NOTES:

- Pull box covers shall be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" sprinkler control circuits, 50 V or less; "CALTRANS" on all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service;
 - No. 3 1/2 pull box.
 - "SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
 - "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
 - No. 5, 6, 9 or 9A pull box.
 - "TRAFFIC SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
 - "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
 - "LIGHTING-HIGH VOLTAGE" - Lighting or sign lighting circuits where voltage is above 600 V.
 - "IRRIGATION" - Circuits to irrigation controller 120 V or more.
 - "RAMP METER" - Ramp meter circuits.
 - "COUNT STATION" - Count or speed monitor circuits.
 - "COMMUNICATIONS" - Communication circuits.
 - "TOS COMMUNICATIONS" - TOS communication line.
 - "TOS POWER" - TOS power.
 - "TDC POWER" - Telephone demarcation cabinet power.
 - "CCTV" - Closed circuit television circuits.
 - "TMS" - Traffic monitoring station circuits.
 - "CMS" - Changeable message sign circuits.
 - "HAR" - Highway advisory radio circuits.
 - "BOOSTER PUMP" - Booster pump circuit.
- The nominal dimensions of the opening in which the cover sets shall be the same as the cover dimensions except the length and width dimensions shall be 1/8" greater.
- Covers and boxes shall be interchangeable with California standard male and female gages. When interchanged with a standard male or female gage, the top surfaces shall be flush within 1/8". Top outside radius of covers and pull boxes shall have a 1/8" radius.
- Pull box extension may be another pull box as long as the bottom edge of the pull box can fit into the cover opening.
- All dimensions for the cover for non-traffic pull box are nominal values.

DIMENSION TABLE										
PULL BOX	PULL BOX			COVER						
	MINIMUM DEPTH BOX	MINIMUM DEPTH EXTENSION	MAXIMUM WEIGHT	L	W	R	TE	TA	D	MAXIMUM WEIGHT
No. 3 1/2	12"	N/A	40 lb	1' - 3 3/8"	10 1/8"	1 3/8"	2"	1/8"	1 3/4"	30 lb
No. 5	12"	10"	55 lb	1' - 11 1/4"	1' - 1 3/4"	1 3/8"	2"	1/8"	1 3/4"	60 lb
No. 6	12"	10"	70 lb	2' - 6 1/2"	1' - 5 1/2"	1 3/8"	2"	1/8"	2"	85 lb

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
ELECTRICAL SYSTEMS
(NON-TRAFFIC PULL BOX)
NO SCALE

RSP ES-8A DATED JULY 19, 2013 SUPERSEDES RSP ES-8A DATED JANUARY 20, 2012 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-8A

2010 REVISED STANDARD PLAN RSP ES-8A

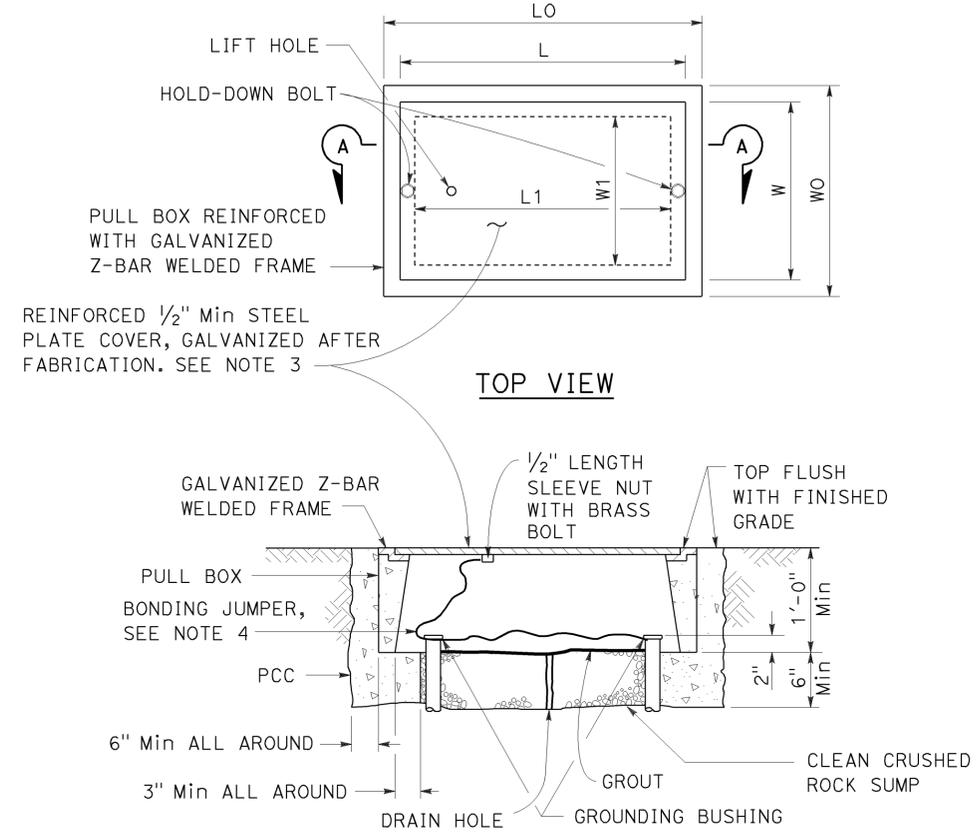
DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	5724		21	70

Theresa Gabriel
 REGISTERED ELECTRICAL ENGINEER
 July 19, 2013
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Theresa Aziz Gabriel
 No. E15129
 Exp. 6-30-14
 ELECTRICAL
 STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 3-16-15



SECTION A-A
**No. 3 1/2(T), No. 5(T) AND
 No. 6(T) TRAFFIC PULL BOX**

NOTES:

- Traffic pull box shall be provided with steel cover and special concrete footing. Steel cover shall have embossed non-skid pattern.
- Steel reinforcing shall be as regularly used in the standard products of the respective manufacturer.
- Pull box covers shall be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" Sprinkler control circuits, 50 V or less; "CALTRANS" On all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service.
 - No. 3 1/2(T) pull box.
 - "SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
 - "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
 - No. 5(T) or 6(T) pull box.
 - "TRAFFIC SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
 - "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
 - "LIGHTING-HIGH VOLTAGE" - Lighting or sign lighting circuits where voltage is above 600 V.
 - "IRRIGATION" - Circuits to irrigation controller 120 V or more.
 - "RAMP METER" - Ramp meter circuits.
 - "COUNT STATION" - Count or speed monitor circuits.
 - "COMMUNICATION" - Communication circuits.
 - "TOS COMMUNICATIONS" - TOS communications line.
 - "TOS POWER" - TOS power.
 - "TDC POWER" - Telephone demarcation cabinet power.
 - "CCTV" - Closed circuit television circuits.
 - "TMS" - Traffic monitoring station circuits.
 - "CMS" - Changeable message sign circuits.
 - "HAR" - Highway advisory radio circuits.
 - "BOOSTER PUMP" - Booster pump circuit.
- Bonding jumper for metal covers shall be 3' long, minimum.
- The nominal dimensions of the opening in which the cover sets shall be the same as the cover dimensions except the length and width dimensions shall be 1/8" greater.
- Covers and boxes shall be interchangeable with California standard male and female gages. When interchanged with a standard male or female gage, the top surfaces shall be flush within 1/8".

PULL BOX	PULL BOX						COVER				
	MINIMUM * THICKNESS	MINIMUM DEPTH BOX AND EXTENSION	W0	L0	L1	W1	L **	W **	R	EDGE THICKNESS	EDGE TAPER
No. 3 1/2(T)	1 1/2"	1'-0"	1'-5"± 1"	1'-8 3/8"±	1'-2 1/2"±	10 5/8"± 1"	1'-8"±	1'-1 3/4"±	0"	1/2"	NONE
No. 5(T)	1 3/4"	1'-0"	1'-11 1/2"± 1"	2'-5 1/2"±	1'-7"±	1'-1"± 1"	2'-3"±	1'-4"±	0"	1/2"	NONE
No. 6(T)	2"	1'-0"	2'-6"± 1"	2'-11 1/2"±	1'-11 1/2"±	1'-5"± 1"	2'-9"±	1'-8"±	0"	1/2"	NONE

* EXCLUDING CONDUIT WEB ** TOP DIMENSION

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**ELECTRICAL SYSTEMS
 (TRAFFIC PULL BOX)**
 NO SCALE

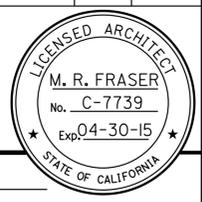
RSP ES-8B DATED JULY 19, 2013 SUPERSEDES RSP ES-8B DATED JANUARY 20, 2012 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-8B

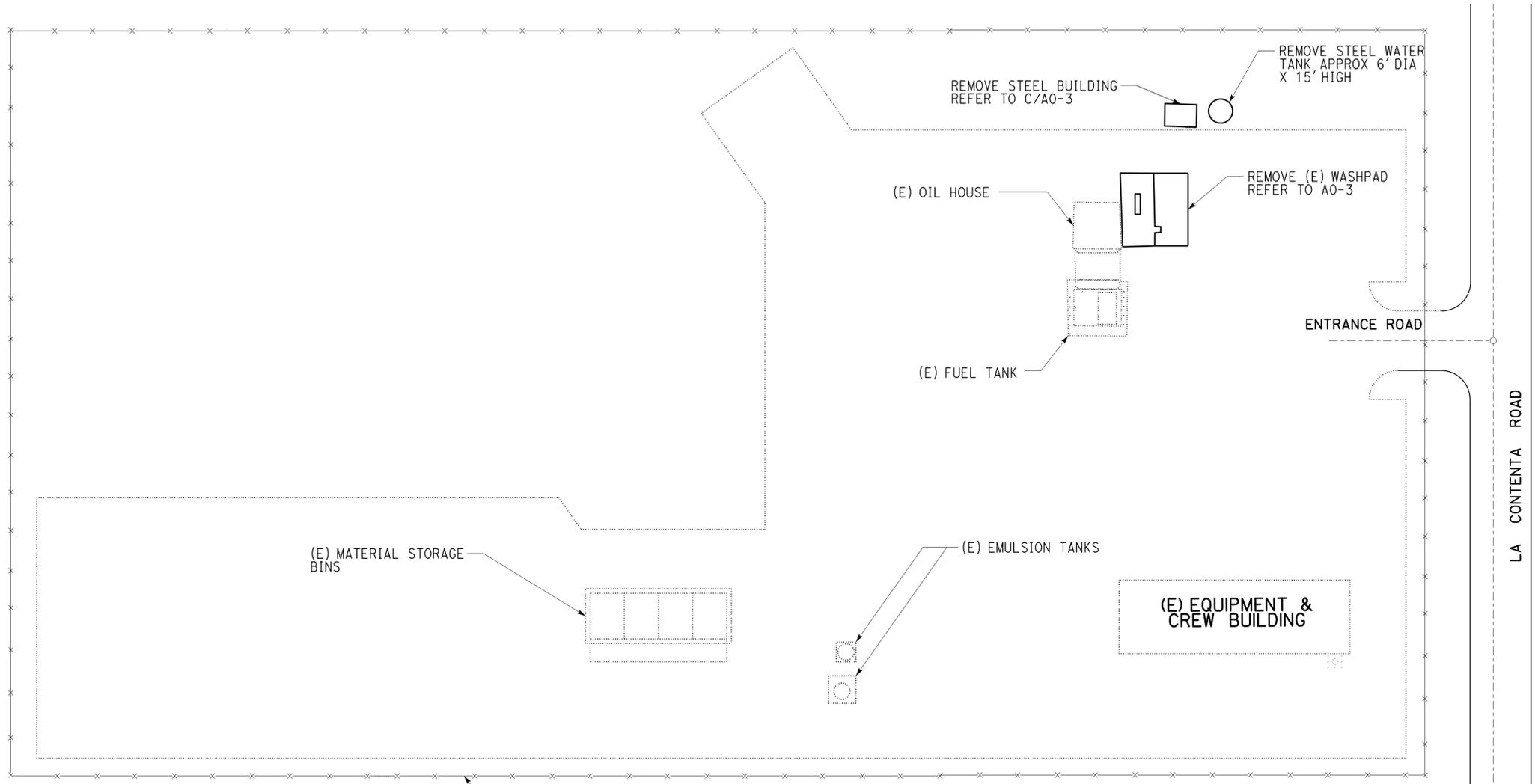
2010 REVISED STANDARD PLAN RSP ES-8B

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	5724		22	70

MRJ
 LICENSED ARCHITECT
 DATE 11-15-13
 3-16-2015
 PLANS APPROVAL DATE
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0812000223 Reviewed by: <i>Y. A. WANG</i> Date: 11-21-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>FRANCIS SOLICH</i> Approval date: 01-02-15
--	--



SITE PLAN

SCALE: 1" = 30'-0"



RE Travis
 DESIGN SUPERVISOR
Donald E. Alvey
 DESIGN ARCHITECT

DESIGNER
 Martin R. Fraser
 DRAWN BY
 Martin R. Fraser

CHECKED BY: *Donald E. Alvey*
 STRUCTURAL REVIEW

SHEET LEGEND
 A-1 ARCHITECTURAL ST-1 STRUCTURAL
 M-1 MECHANICAL EE-1 ELECTRICAL
 P-1 PLUMBING SS-1 SANITARY

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.
 54M5724
 POST MILE
 X

PARADISE MAINTENANCE STATION
 REMOVAL PLAN

SHEET
GP-1

GP_1.dgn
 TAEMWW imperial Rev. 7/10 20-MAR-2015 10:20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

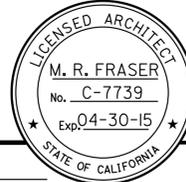
UNIT PROJECT NUMBER & PHASE 3600 08120002231
 EA 0R960

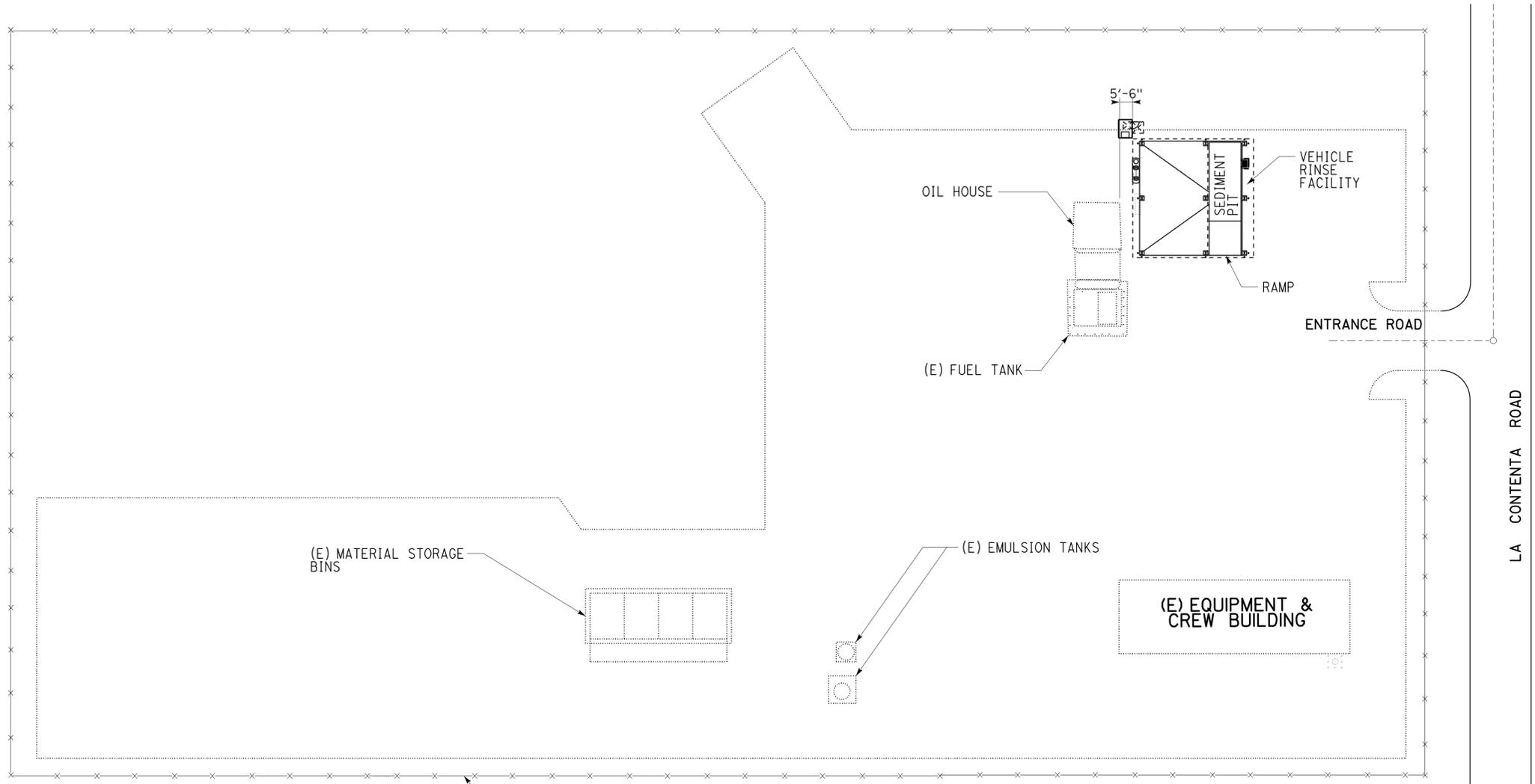
DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET	OF
06-14-13	11-15-13	X	X

GP_1.dgn

20-MAR-2015 10:20

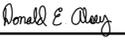
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	5724		23	70
 LICENSED ARCHITECT			11-15-13 DATE		
3-16-2015 PLANS APPROVAL DATE					
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0812000223 Reviewed by:  Y. A. WANG Date: 11-21-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  FRANCIS SOLICH Approval date: 01-02-15
--	--


 DESIGN SUPERVISOR
 DONALD E. ALLEY
 DESIGN ARCHITECT

DESIGNER Martin R. Fraser
 DRAWN BY Martin R. Fraser

CHECKED BY: 
 STRUCTURAL REVIEW

SHEET LEGEND
 A-1 ARCHITECTURAL ST-1 STRUCTURAL
 M-1 MECHANICAL EE-1 ELECTRICAL
 P-1 PLUMBING SS-1 SANITARY

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.
 54M5724
 POST MILE
 X

PARADISE MAINTENANCE STATION
 GENERAL PLAN
 GENERAL PLAN

SHEET
GP-2

20-MAR-2015 10:20

ARCHITECTURAL

- GP-1 REMOVAL PLAN
- GP-2 GENERAL PLAN
- A0-1 INDEX OF SHEETS AND NOTES
- A0-2 ARCH ABBREVIATIONS/BUILDING CODE DATA
- A0-3 VEHICLE RINSE FACILITY DEMOLITION

- A1-1 VEHICLE RINSE FACILITY FLOOR PLAN
- A1-2 VEHICLE RINSE FACILITY ELEVATION
- A1-3 VEHICLE RINSE FACILITY ELEVATION
- A1-4 VEHICLE RINSE FACILITY ROOF PLAN
- A1-5 VEHICLE RINSE FACILITY REFLECTED CEILING PLAN
- A1-6 VEHICLE RINSE FACILITY SECTION
- A1-7 VEHICLE RINSE FACILITY ENCLOSURE

STRUCTURAL

- ST-1 LEGEND
- ST-2 CONCRETE STANDARD
- LOG OF TEST BORINGS
- ST1-0 DESIGN CRITERIA AND DETAIL NOTES
- ST1-1 FOUNDATION PLAN
- ST1-2 ROOF FRAMING PLAN
- ST1-3 MAIN SECTION
- ST1-4 BUILDING SECTIONS
- ST1-5 FOOTING/SLAB DETAILS
- ST1-6 OUTLET BOX DETAILS
- ST1-7 MISCELLANEOUS DETAILS
- ST1-8 ROOF FRAMING DETAILS

ELECTRICAL

- EE0-1 LEGEND
- EE0-2 NOTES AND ABBREVIATIONS
- EE0-3 TITLE 24 COMPLIANCE SHEET 1 OF 2
- EE0-4 TITLE 24 COMPLIANCE SHEET 1 OF 2
- EE0-5 EXISTING SITE PLAN
- EE0-6 MODIFIED SITE PLAN
- EE0-7 LIGHTING SCHEDULE AND WIRING DIAGRAM
- EE1-1 POWER AND LIGHTING PLAN
- EE1-2 VEHICLE UNDERSPRAY PLAN
- EE1-3 VEHICLE UNDERSPRAY CONTROL PANEL
- EE1-4 DETAILS 2

WATER / SANITARY

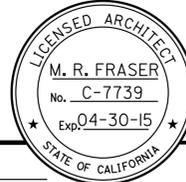
- SS-0 NOTES, LEGENDS AND ABBREVIATIONS
- SS-1 EXISTING WASHRACK PLAN
- SS-2 PROPOSED VEHICLE RINSE FACILITY PLAN
- SS-3 VEHICLE RINSE FACILITY PLAN
- SS-4 OIL-SAND/WATER SEPARATOR
- SS-5 CLARIFIER TANK
- SS-6-1 DISPERSAL AREA
- SS-6-2 DISPERSAL AREA DETAILS
- SS-7 DETAILS-1
- SS-8 DETAILS-2
- SS-9 DETAILS-3
- SS-10 OUTLET BOX DETAILS
- SS-11 TRUCK FILLER HYDRANT DETAILS
- SS-12 DETAILS-5

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	5724		24	70



11-15-13
DATE

LICENSED ARCHITECT



3-16-2015
PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA	CALIFORNIA STATE FIRE MARSHAL APPROVED
PROJECT ID 0812000223	Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by:  J. A. WANG Date: 11-21-13	Reviewed by:  FRANCIS SOLICH Approval date: 01-02-15

ACCESSIBILITY NOTES

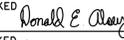
1. POT indicated at the plan shall be the most practical and direct route between enclosure and vehicle rinse facility. Exact locations of POT's shall be determined by the field engineer.
2. POT's shall be min. 48 inches wide with min. 80 inches head clearance.
3. Except for any required clear level area at the door, POT may have max. 5% slope in the direction of travel and max. 2% cross slope.
4. POT may have max. 1/2 inch level change w/max. 1:2 slope. Level change not exceeding 1/4 inch may be vertical.
5. POT surface shall be firm, stable, slip-resistant, w/o loose gravels, etc.
6. Door shall have clear level area on both sides w/max 2% slope in any direction, min 60"x 60" in the direction of door swing (including min. 24" past door strike edge), and min 48" deep x 36" wide opposite door swing.
7. Level change at the doorway, including threshold thickness, shall be max 1/2" w/max 1:2 slope. Level change not exceeding 1/4" may be vertical.
8. Aisles formed by equipment and walls inside the enclosure shall be min 36" wide if serving one side, and min 44" wide if serving both sides.
9. Provide min 2'-6" wide x 4'-0" deep clear level area in front of and centered w/emergency eyewash & shower, w/max 2% slope in all directions. POT to this area need not be identified on the plan, as any vehicle may park next to such area and access the fixture.
10. Refer to std exemption document on file for applicable items exempt from access compliance.
11. If the need arises in the future, the owner shall immediately install a code compliant portable accessible restroom on site for the use of mobility impaired person.

COLOR & PAINT SCHEDULE

ITEM	COATING SYSTEM	FEDERAL COLOR NUMBER
GALVANIZED ROOF DECKING	PRE-FINISHED BY MFR	NO PAINT REQUIRED
STRUCTURAL STEEL		36559
MISC METALS		36559
GUARD POSTS		33696

Notes:

1. Federal color numbers are to be used for color only not gloss level. Refer to Special Provisions for gloss level.
2. Engineer to approve final color selections.

a0_1.dgn TAEMWW imperial Rev. 7/10 20-MAR-2015 10:20	DESIGN BY Martin R. Fraser	CHECKED 	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 54M5724	PARADISE MAINTENANCE STATION	SHEET					
	DETAILS BY Martin R. Fraser	CHECKED 		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE X		A0-1					
	QUANTITIES BY	CHECKED					INDEX OF SHEETS AND NOTES					
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	UNIT PROJECT NUMBER & PHASE	3600 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	06-14-13	11-15-13	SHEET OF	X X

EA 0R960

20-MAR-2015 10:20 a0_1.dgn

ARCHITECTURAL ABBREVIATIONS

&	AND	EPB	ELECTRICAL PANELBOARD	M	METER	S	SOUTH
∠	ANGLE	EQUIP	EQUIPMENT	MAT	MATERIAL	SC	SOLID CORE
⊕	CENTER LINE	ESCL	ESCALATOR	MAX	MAXIMUM	SCHED	SCHEDULE
∅	DIAMETER	EWC	ELECTRIC WATER COOLER	MB	MACHINE BOLT	SD	SOAP DISPENSER
□	SQUARE	EXP	EXPANSION	MEMB	MEMBER	SDST	SELF DRILLING
d	PENNY	EXPO	EXPOSED, EXPOSURE	MECH	MECHANICAL	SF	SELF TAPPING
°	DEGREE	EXT	EXTERIOR	MEMB	MEMBRANE	SQ	SQUARE FEET
		FD	FLOOR DRAIN	MET	METAL	SM	SQUARE METER
A/C	AIR CONDITIONING	FDN	FOUNDATION	MFR	MANUFACTURER	SH	SHelf
AC	ASPHALT CONCRETE	FE	FIRE EXTINGUISHER	MH	MAN HOLE	SHWR	SHOWER
AB	ANCHOR BOLT	FEC	FIRE EXTINGUISHER CABINET	MIR	MIRROR	SHT	SHEET
ABV	ABOVE	FG	FINISH GRADE	MISC	MISCELLANEOUS	SHTG	SHEATHING
ACOUS	ACOUSTICAL	FH	FIRE HYDRANT	MIW	MALLEABLE IRON WASHER	SIM	SIMILAR
ADA	AMERICANS WITH DISABILITIES ACT	FHC	FIRE HOSE CABINET	MM	MILLIMETER	SMS	SHEET METAL
ADJ	ADJUSTABLE	FHM	FLATHEAD METAL SCREW	MO	MASONRY OPENING	SOHD	SECTIONAL OVERHEAD DOOR
ALT	ALTERNATE	FHS	FLATHEAD WOOD SCREW	MTD	MOUNTED	SPEC	SPECIFICATION
ALUM	ALUMINUM	FIN	FINISH	MUL	MULLION	SPS	STRUCTURAL PLYWOOD
APA	AMERICAN PLYWOOD ASSOCIATION	FJ	FLOOR JOIST			SQ	SQUARE
ARCH	ARCHITECTURAL, ARCHITECT	FLASH	FLASHING	N	NORTH	SRRA	SAFETY ROADSIDE REST AREA
ASPH	ASPHALT	FLR	FLOOR	ND	NAPKIN DISPOSAL	SS	SERVICE SINK
BD	BOARD	FLUOR	FLUORESCENT	NIC	NOT IN CONTRACT	SST	STAINLESS STEEL
BIT	BITUMINOUS	FOC	FACE OF CONCRETE	NO	NUMBER	STA	STATION
BLDG	BUILDING	FOF	FACE OF FINISH	NOM	NOMINAL	STAG	STAGGER
BLK	BLOCK	FOM	FACE OF MASONRY	NTS	NOT TO SCALE	STD	STANDARD
BLKG	BLOCKING	FOS	FACE OF STUD	NA	NOT APPLICABLE	STL	STEEL
BM	BEAM	FRP	FIBERGLASS REINFORCED PANEL	OBSC	OBSCURE	STOR	STORAGE
BN	BOUNDARY NAILING	FT	FEET, FOOT	OC	ON CENTER	STRUC	STRUCTURAL
BOT	BOTTOM	FTG	FOOTING	OD	OUTSIDE DIAMETER	SUSP	SUSPENDED
BR	BRIDGE	FURR	FURRING	OFF	OFFICE	T	TREAD
BTWN	BETWEEN	FWY	FREEWAY	OH	OPPOSITE HAND	T&G	TONGUE & GROOVE
BUR	BUILT-UP-ROOFING	GA	GAUGE	OHD	OVERHEAD	TB	TOLL BOOTH
		GAL	GALLON	OWHS	OVALHEAD WOOD SCREW	TEL	TELEPHONE
		GALV	GALVANIZED	OPNG	OPENING	TEMP	TEMPERED
		GB	GRAB BAR	OPP	OPPOSITE	TER	TERRAZZO
		GI	GALVANIZED IRON	OPT	OPTION, OPTIONAL	THK	THICK
		GL	GLASS			THLD	THRESHOLD
		GLM	GLUE LAMINATED MEMBER	P	PITCH	TJ	TOOLED JOINT
		GLZ	GLAZING	PB	POST BASE	TJ	TOOLBOARD
		GR	GRADE	PC	POST CAP	TKBD	TOE NAIL
		GSM	GALVANIZED SHEET METAL	PCC	PORTLAND CEMENT CONCRETE	IN	TOP OF CURB OR CONCRETE
		GYBD	GYPSTUM BOARD	PH	PHILLIPS HEAD	TOP	TOP OF PAVEMENT
		GYP SHTG	GYPSTUM SHEATHING	PL	PLATE	TOS	TOE OF SLOPE
				PLAM	PLASTIC LAMINATE	TOT	TOTAL
				PLAS	PLASTER	TOW	TOP OF WALL
				PLWD	PLYWOOD	TS	TUBULAR STEEL
				PMF	PRESSED METAL FRAME	TSCD	TOILET SEAT COVER DISPENSER
				POT	PATH OF TRAVEL	TTD	TOILET TISSUE DISPENSER
				PR	PAIR	TYP	TYPICAL
				PRTN	PARTITION		
				PT	POINT	UNF	UNFINISHED
				PTD	PAPER TOWEL DISPENSER	UON	UNLESS OTHERWISE NOTED
				PTD/R	COMBINATION PTD & WASTE RECEPTACLE	UR	URINAL
				PVC	POLYVINYL CHLORIDE	VAR	VARIES
				PWB	PREFABRICATED WOOD I BEAM	VCT	VINYL COMPOSITION TILE
				QT	QUARRY TILE	VERT	VERTICAL
				(R)	RELOCATED	VEST	VESTIBULE
				R	RADIUS, RISER	VR	VENT RISER
				R/W	RIGHT OF WAY	VTR	VENT THROUGH ROOF
				RD	ROOF DRAIN		
				RDWD	REDWOOD	W	WEST
				REF	REFERENCE	W/	WITH
				REFG	REFRIGERATOR	W/O	WITHOUT
				REINF	REINFORCED(ING)	WC	WATER CLOSET
				REQ	REQUIRED	WD	WOOD
				REFG	ROOFING	WDW	WINDOW
				RFSWN	ROUGHSAWN	WH	WATER HEATER
				RH	ROUND HEAD	WP	WORKING POINT
				RHS	ROUNDHEAD WOOD SCREW	WR	WATER RESISTANT WAINSCOT
				RJ	ROOF JOIST	WSCT	WEIGHT
				RM	ROOM	WT	WATERPROOFING
				RO	ROUGH OPENING	WTPR	WELDED WIRE FABRIC
				RSWN	RESAWN	WWF	
				RTE	ROUTE		
				RWL	RAINWATER LEADER	YD	YARD

SYMBOLS

	EARTH	102	ROOM DESIGNATION
	AC PAVING	3	DOOR DESIGNATION
	CONCRETE	A	WINDOW DESIGNATION
	SAND/MORTAR/PLASTER	L2	LOUVER DESIGNATION
	BATT INSULATION		ELEVATION
	SOUND INSULATION		SECTION LETTER
	RIGID INSULATION		SHEET NUMBER
	STEEL		DETAIL NUMBER
	PLYWOOD		SHEET NUMBER
	CONTINUOUS WOOD FRAMING		DETAIL NUMBER
	WOOD BLOCKING		SAME SHEET
	FINISH WOOD		GRID LINE (LETTER IN ONE DIRECTION, NUMBERS IN OTHER DIRECTION)

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	5724		25	70

LICENSED ARCHITECT
 DATE 11-15-13
 Exp. 04-30-15
 LICENSED ARCHITECT M. R. FRASER No. C-7739

3-16-2015
 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.

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0812000223 Reviewed by: Date: 11-21-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: Approval date: 01-02-15
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ROOM DESIGNATION AND WALL NUMBER/LETTER FOR FINISH SCHEDULE

GENERAL NOTES

- The contractor shall verify all controlling dimensions and field conditions before ordering or fabricating any materials or assemblies.
- The contractor shall notify the engineer in writing of any discrepancies between these plans and actual measurements or field conditions.

DESIGN CRITERIA

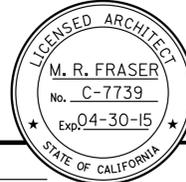
THE BUILDING WORK FOR THIS PROJECT HAS BEEN DESIGN TO CONFORM TO THE 2010 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS:

- PART 2 - CALIFORNIA BUILDING CODE 2010,
- PART 3 - CALIFORNIA ELECTRICAL CODE 2010,
- PART 4 - CALIFORNIA MECHANICAL CODE 2010,
- PART 5 - CALIFORNIA PLUMBING CODE 2010,
- PART 6 - CALIFORNIA ENERGY CODE 2010,
- PART 9 - CALIFORNIA FIRE CODE 2010,
- PART 11 - CALIFORNIA GREEN BUILDING STANDARDS AND 2010 ADA STANDARDS.

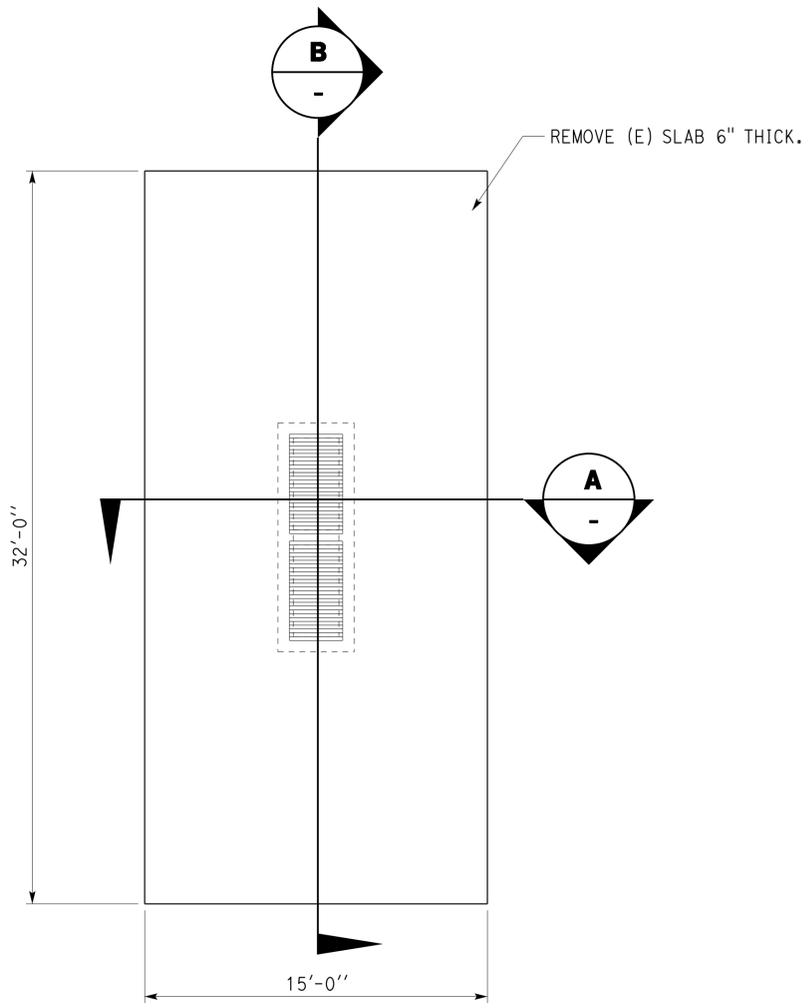
BUILDING DATA THIS PROJECT IS IN COMPLIANCE													
	OCCUPANCY	CONSTRUCTION TYPE	NUMBER OF STORIES	BUILDING HEIGHT	BUILDING AREA	AREA OF PROJECT	ALLOWABLE AREA	AREA OR HEIGHT INCREASES	FIRE SPRINKLERED	FIRE ALARM	OTHER FIRE PROTECTION SYSTEMS IF ANY	SMOKE CONTROL SYSTEM	OCCUPANT LOAD
VEHICLE RINSE FACILITY	B	V-B	1	25'-0"	2756 S.F.	2756 S.F.	9000 S.F.	NO	NOT REQ'D	NOT REQ'D	NO	NOT REQ'D	0

DESIGN BY Martin R. Fraser CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54M5724 POST MILE X	PARADISE MAINTENANCE STATION ARCH ABBREVIATIONS/BUILDING DATA	SHEET A0-2
DETAILS BY Martin R. Fraser CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT 3600 PROJECT NUMBER & PHASE 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES → 06-14-13 11-15-13	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

a0_2.dgn
 TAEMWW imperial Rev. 7/10 20-MAR-2015 10:20
 EA 0R960

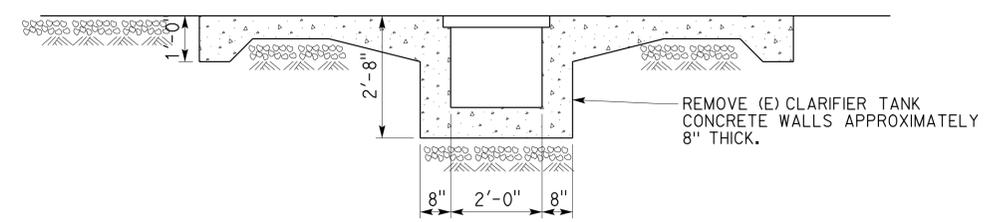
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	5724		26	70
 LICENSED ARCHITECT			DATE 11-15-13		
PLANS APPROVAL DATE 3-16-2015 <i>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.</i>					

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0812000223 Reviewed by:  Date: 11-21-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  FRANCIS SOLICH Approval date: 01-02-15
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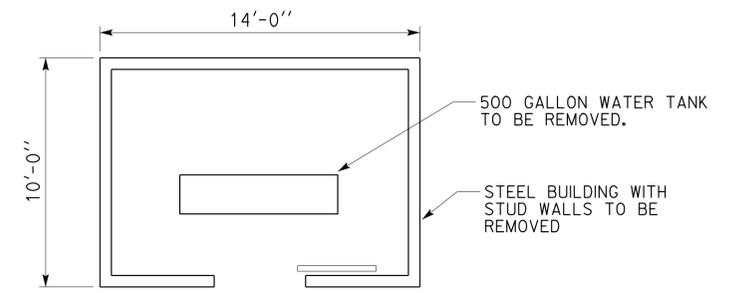


PLAN - WASHPAD
SCALE 1/4" = 1'-0"

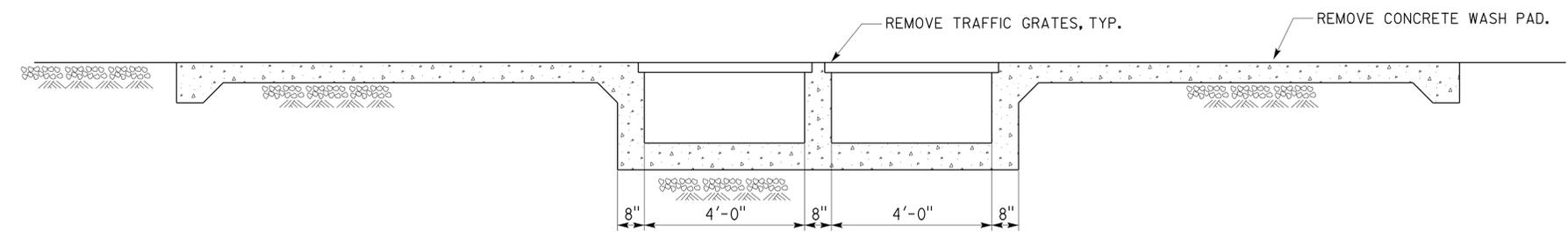
- Note:
1. Remove wash pad, clarifier tank, piping and all related items.
 2. Remove steelbuilding including tank inside.
 3. All dimensions are approximate.



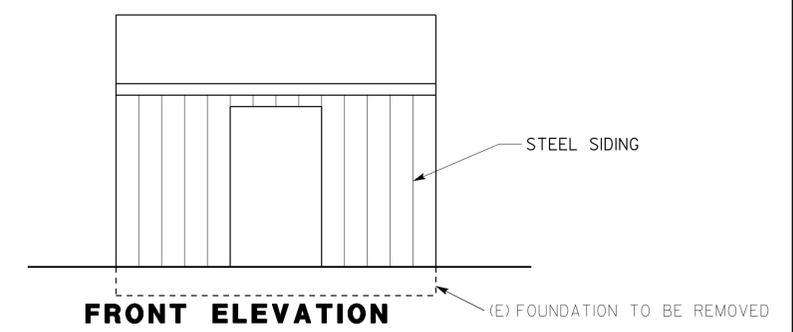
A WASH AREA SLAB/CLARIFIER SECTION
SCALE 1/2" = 1'-0"



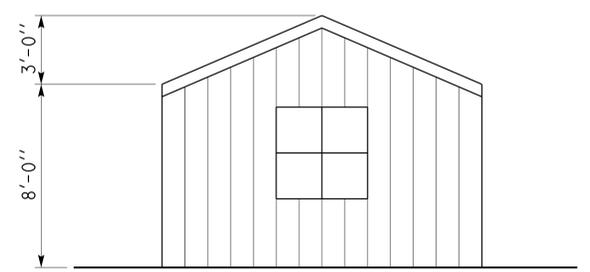
PLAN



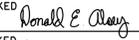
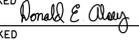
B WASH AREA SLAB/CLARIFIER SECTION
SCALE 1/2" = 1'-0"



FRONT ELEVATION



C SIDE ELEVATION STEEL BUILDING
SCALE 1/4" = 1'-0"

a0_3.dgn TAEMWW imperial Rev. 7/10 20-MAR-2015 10:20	DESIGN BY Martin R. Fraser	CHECKED 	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 54M5724	PARADISE MAINTENANCE STATION		SHEET
	DETAILS BY Martin R. Fraser	CHECKED 		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE X	VEHICLE RINSE FACILITY	DEMOLITION	A0-3
	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3600 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
			0 1 2 3	EA 0R960	06-14-13 11-15-13		X X	a0_3.dgn

20-MAR-2015 10:20

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	5724		27	70

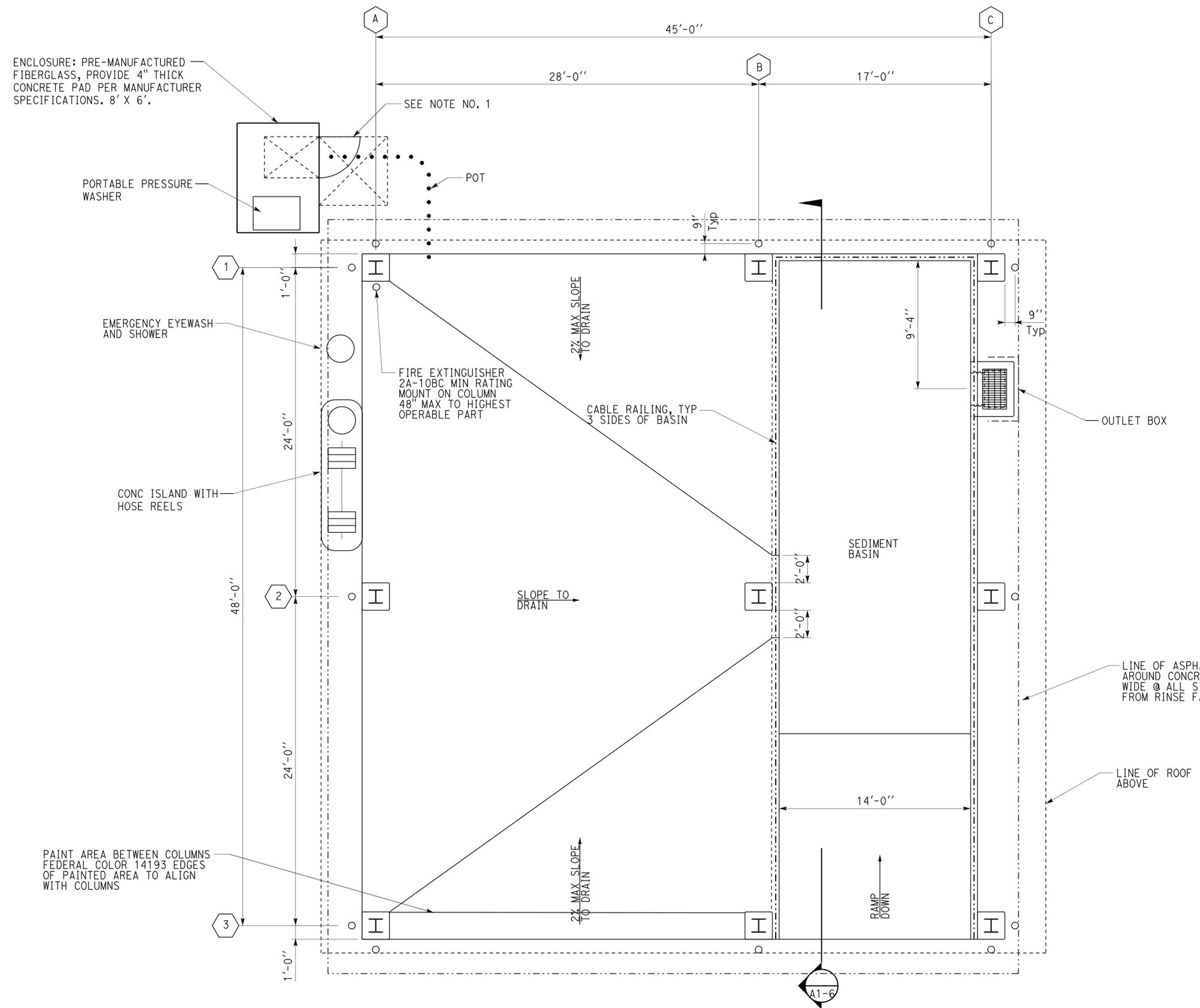

 LICENSED ARCHITECT
 DATE 11-15-13
 No. C-7739
 Exp. 04-30-15
 STATE OF CALIFORNIA

3-16-2015
 PLANS APPROVAL DATE
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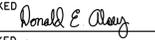
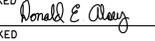
ACCESSIBILITY DESIGN APPROVAL STAMP	CALIFORNIA STATE FIRE MARSHAL APPROVED
DOT / DES / OTA PROJECT ID 0812000223	Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by:  Y. A. WANG Date: 11-21-13	Reviewed by:  FRANCIS SOLICH Approval date: 01-02-15

Note:

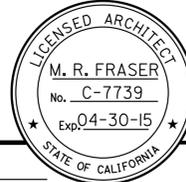
- Min 3' x 6'8" door w/accessible hardware of lever type centered between 34" & 44" above adjacent ground. Max door open force shall be 5 lbf.



FLOOR PLAN
SCALE 1/4" = 1'-0"

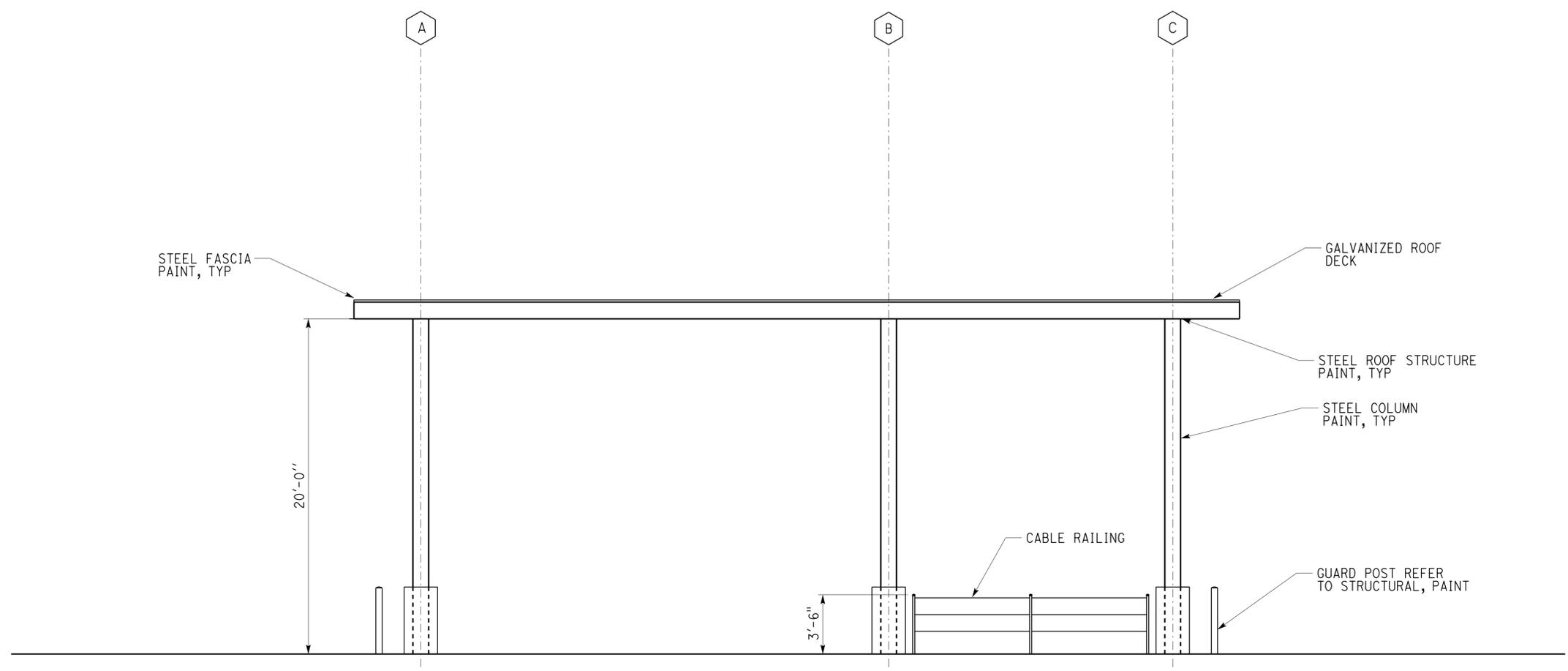
A1_1.dgn TAEMWW imperial Rev. 7/10 20-MAR-2015 10:21	DESIGN BY Martin R. Fraser	CHECKED 	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 54M5724	PARADISE MAINTENANCE STATION VEHICLE RINSE FACILITY	SHEET OF A1-1
	DETAILS BY Martin R. Fraser	CHECKED 		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE X		
	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET OF X X	20-MAR-2015 10:21 A1_1.dgn

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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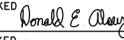

 LICENSED ARCHITECT
 DATE 11-15-13


3-16-2015
 PLANS APPROVAL DATE
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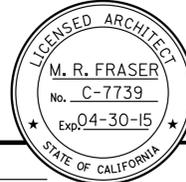
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0812000223 Reviewed by:  Y. A. WANG Date: 11-21-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  FRANCIS SOLICH Approval date: 01-02-15
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SOUTH ELEVATION
 SCALE 1/4" = 1'-0"

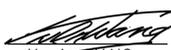
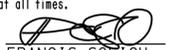
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	DETAILS BY Martin R. Fraser	CHECKED 		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE X		
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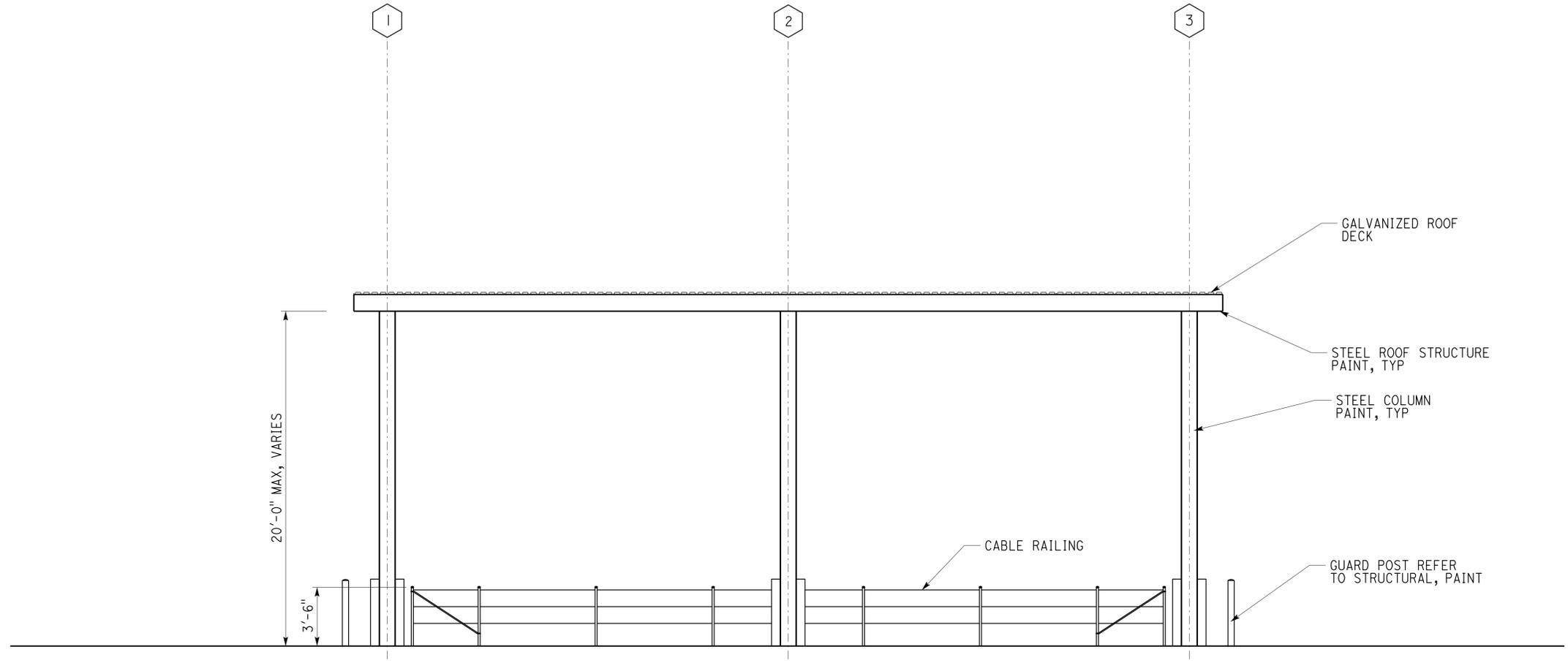
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	5724		29	70


 LICENSED ARCHITECT
 DATE 11-15-13


3-16-2015
PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0812000223 Reviewed by:  Y. A. WANG Date: 11-21-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  FRANCIS SOLICH Approval date: 01-02-15
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WEST ELEVATION
SCALE 1/4" = 1'-0"

A1_3.dgn TAEMWW imperial Rev. 7/10 20-MAR-2015 10:21	DESIGN BY Martin R. Fraser	CHECKED 	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 54M5724	PARADISE MAINTENANCE STATION	SHEET
	DETAILS BY Martin R. Fraser	CHECKED 		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE X		VEHICLE RINSE FACILITY
	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3600 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
			0 1 2 3	EA OR960	→ 06-14-13 11-15-13		X X

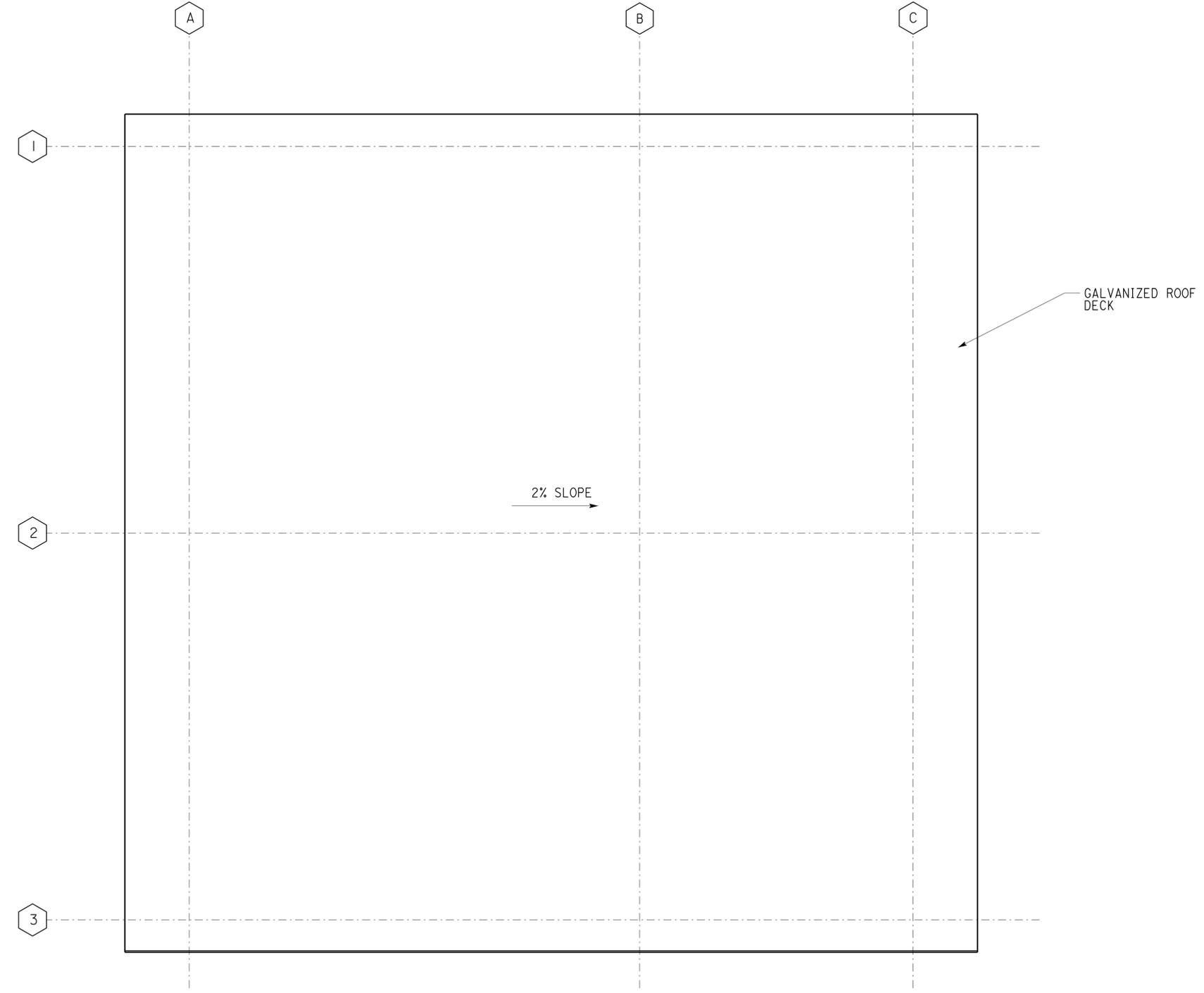
20-MAR-2015 10:21 A1_3.dgn

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	5724		30	70


 LICENSED ARCHITECT DATE 11-15-13


3-16-2015
PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0812000223 Reviewed by:  Y. A. WANG Date: 11-21-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  FRANCIS SOLICH Approval date: 01-02-15
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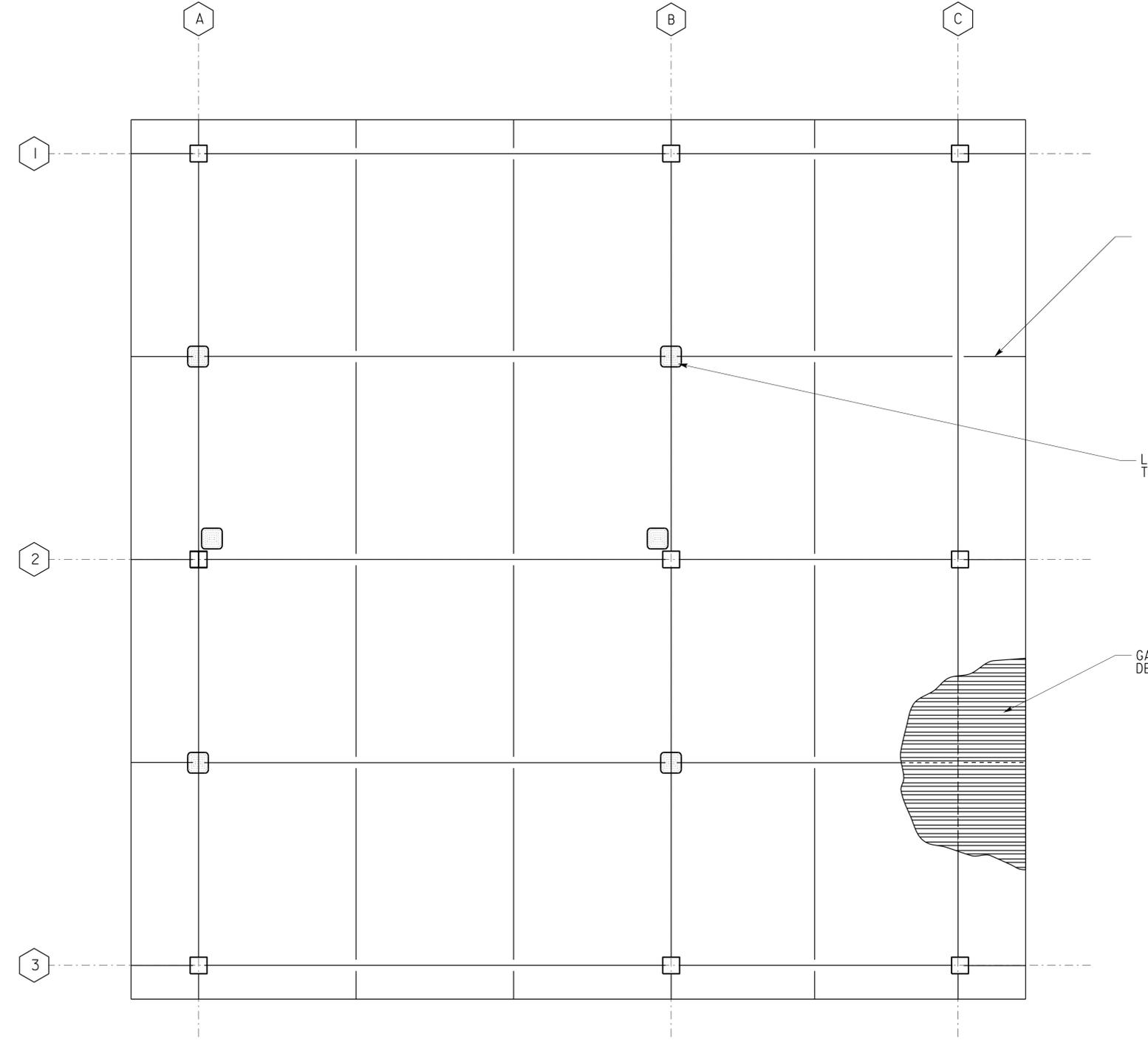
ROOF PLAN
SCALE 1/4" = 1'-0" 

A1_4.dgn TAEMWW imperial Rev. 7/10 20-MAR-2015 10:21	DESIGN BY Martin R. Fraser	CHECKED 	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 54M5724	PARADISE MAINTENANCE STATION VEHICLE RINSE FACILITY ROOF PLAN	SHEET OF
	DETAILS BY Martin R. Fraser	CHECKED 		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE X		DISREGARD PRINTS BEARING EARLIER REVISION DATES → 06-14-13 11-15-13
	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 08120002231	EA 0R960		

20-MAR-2015 10:21 A1_4.dgn

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	5724		31	70


 LICENSED ARCHITECT
 DATE 11-15-13
 3-16-2015
 PLANS APPROVAL DATE
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PAINT ALL STRUCTURAL BEAMS
CHANELS AND ANY MISC
DETAILS, TYP

LIGHT FIXTURES, REFER
TO ELECTRICAL SHEETS

GALVANIZED ROOF
DECK

ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID
0812000223
 Reviewed by: 
 Y. A. WANG
 Date: 11-21-13

CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: 
 FRANCIS SOLICH
 Approval date: 01-02-15

REFLECTED CEILING PLAN

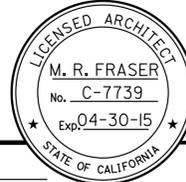
SCALE 1/4" = 1'-0"



A1_5.dgn TAEMWW imperial Rev. 7/10 20-MAR-2015 10:21	DESIGN BY Martin R. Fraser	CHECKED 	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 54M5724	PARADISE MAINTENANCE STATION VEHICLE RINSE FACILITY	SHEET A1-5
	DETAILS BY Martin R. Fraser	CHECKED 		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE X		
	QUANTITIES BY	CHECKED		UNIT PROJECT NUMBER & PHASE 3600 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X

20-MAR-2015 10:21 A1_5.dgn

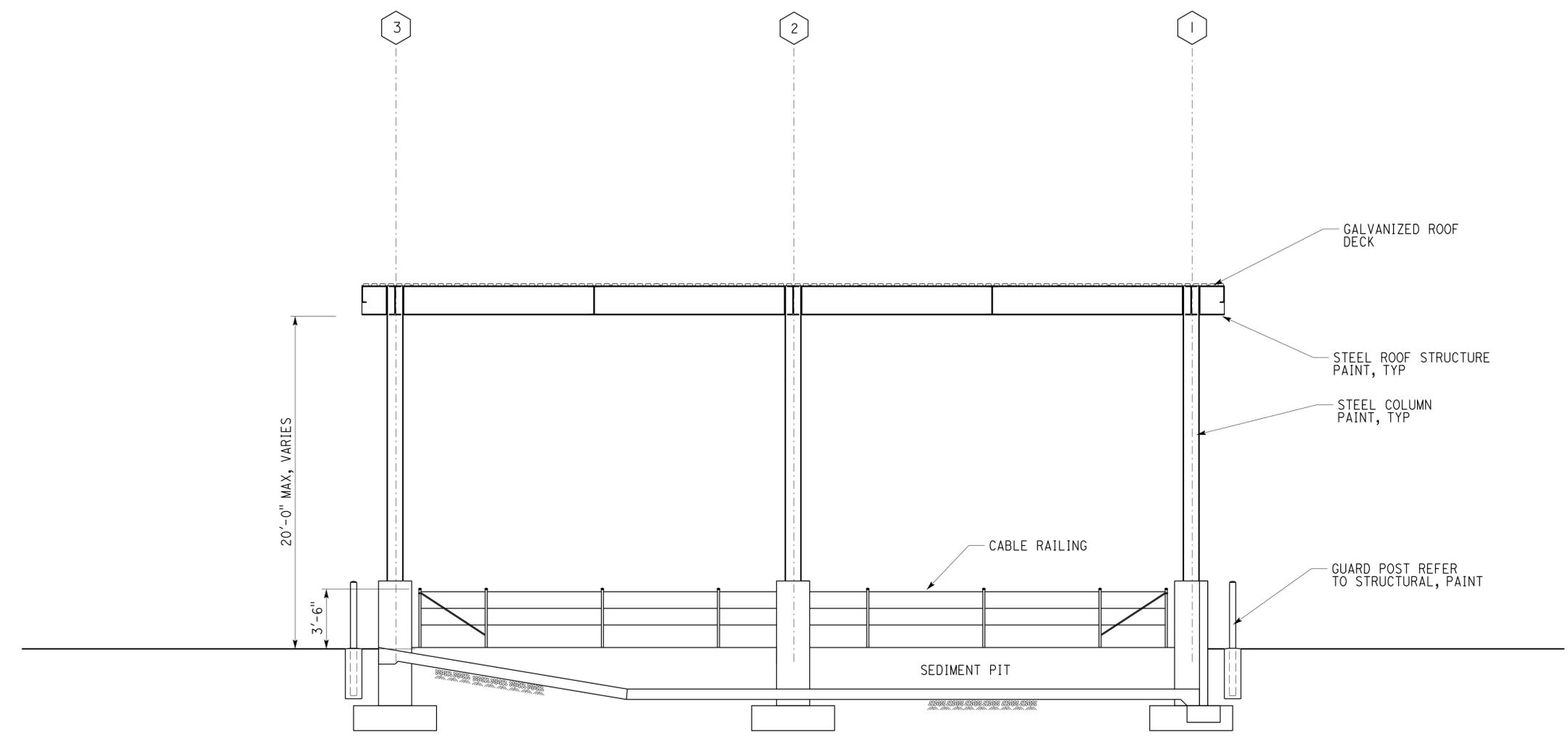
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	5724		32	70


 LICENSED ARCHITECT
 DATE 11-15-13


3-16-2015
PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0812000223 Reviewed by:  Y. A. WANG Date: 11-21-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  FRANCIS SOLICH Approval date: 01-02-15
--	--



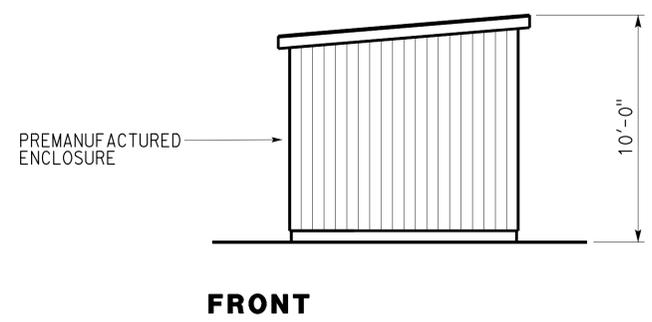
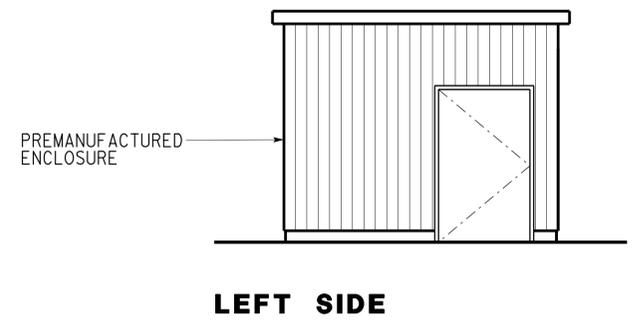
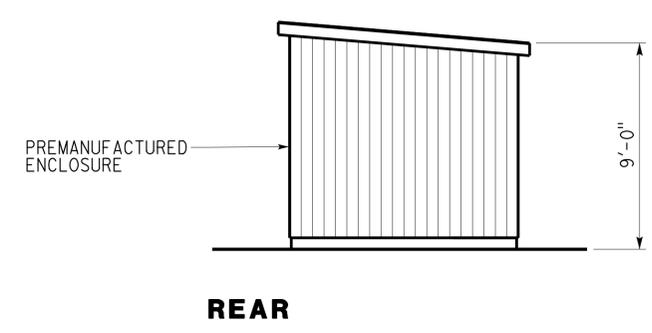
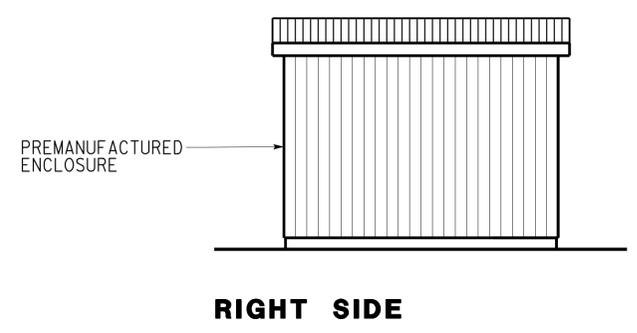
SECTION
SCALE 1/4" = 1'-0"

A1_6.dgn TAEMWW imperial Rev. 7/10 20-MAR-2015 10:21	DESIGN BY Martin R. Fraser	CHECKED 	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 54M5724	PARADISE MAINTENANCE STATION VEHICLE RINSE FACILITY	SHEET OF A1-6
	DETAILS BY Martin R. Fraser	CHECKED 		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE X		SECTION
	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3600 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X
			0 1 2 3	EA 0R960		06-14-13 11-15-13	

20-MAR-2015 10:21 A1_6.dgn

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	5724		33	70
 LICENSED ARCHITECT			11-15-13 DATE		
3-16-2015 PLANS APPROVAL DATE					
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0812000223 Reviewed by:  Y. A. WANG Date: 11-21-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  FRANCIS SOLICH Approval date: 01-02-15
--	--



- Notes:
1. Provide 4" concrete slab, foundation and curb, per manufacturer recommendation.
 2. Provide door minimum size of 3'-0" wide x 6'-8" high, with lever hardware centered between 34" and 44" above ground. Max door opening force shall be 5 LBF.

ELEVATION
 SCALE 1/4" = 1'-0"

A1_7.dgn TAEMWW imperial Rev. 7/10 20-MAR-2015 10:21	DESIGN BY Martin R. Fraser	CHECKED 	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54M5724	PARADISE MAINTENANCE STATION VEHICLE RINSE FACILITY ENCLOSURE	SHEET OF A1-7
	DETAILS BY Martin R. Fraser	CHECKED 		UNIT PROJECT NUMBER & PHASE 3600 08120002231	POST MILE X		REVISION DATES (PRELIMINARY STAGE ONLY)
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	EA 0R960	DISREGARD PRINTS BEARING EARLIER REVISION DATES	06-14-13 11-15-13	A1_7.dgn

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	5724		34	70

<i>Gang Hong</i>	12-05-2014
REGISTERED CIVIL ENGINEER	DATE

03-16-2015
PLANS APPROVAL DATE

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ABBREVIATIONS

AAD	ADHESIVE ANCHORAGE DEVICE	HD	HOLDOWN
AB	ANCHOR BOLT	Hex	HEXAGON
AC	ASPHALT CONCRETE	Horiz	HORIZONTAL
Alt	ALTERNATE	HSB	HIGH STRENGTH BOLT
APA	AMERICAN PLYWOOD ASSOCIATION	HSS	HOLLOW STRUCTURAL SECTION
APC	ALTERNATIVE PIPE CULVERT	Jt	JOINT
Bldg	BUILDING	LOL	LAYOUT LINE
Blkg	BLOCKING	LVL	LAMINATED VENEER LUMBER
BN	BOUNDARY NAILING	m	METER
Btm	BOTTOM	Max	MAXIMUM
CB	CARRIAGE BOLT	MEA	MECHANICAL EXPANSION ANCHOR
CIDH	CAST IN DRILLED HOLE	Mech	MECHANICAL
CJ	CONTROL JOINT	Mfr	MANUFACTURER
Clr	CLEAR	mm	MILLIMETER
CMU	CONCRETE MASONRY UNIT	Min	MINIMUM
Conc	CONCRETE	MIW	MALLEABLE IRON WASHER
Const	CONSTRUCTION	OC	ON CENTER
Cont	CONTINUOUS	OG	ORIGINAL GRADE
CP	COMPLETE PENETRATION WELD	OH	OPPOSITE HAND
DbI	DOUBLE	Opt	OPTIONAL
DF	DOUGLAS FIR	P	PITCH
Dia	DIAMETER	PDF	POWER DRIVEN FASTENER
DIP	DUSTILE IRON PIPE	Plwd	PLAWOOD
DN	DIAMETER NOMINAL	PT	PRESSURE TREATED
do	DITTO	PW	PUDDLE WELD
(E)	EXISTING	PWB	PREFABRICATED WOOD I BEAM
Ea	EACH	RCP	REINFORCED CONCRETE PIPE
EL	ELEVATION	Reinf	REINFORCED, REINFORCING
Elec	ELECTRICAL	Req'd	REQUIRED
Embed	EMBEDMENT	SDSTS	SELF DRILL, SELF TAP SCREW
EN	EDGE NAIL	Sim	SIMILAR
Eq	EQUAL	SPS	STRUCTURAL PLYWOOD SHEATHING
Exp	EXPANSION	Sq	SQUARE
FDGM	FREE DRAINING GRANULAR MATERIAL	Stagg	STAGGERED
FG	FINISH GRADE	Std	STANDARD
FL	FLOW LINE	SW	STUD WELD
Fir	FLOOR	Sym	SYMMETRICAL
FN	FACE (FIELD) NAIL	T&G	TONGUE-AND-GROOVE
FOC	FACE OF CONCRETE	TN	TOE NAIL
FOM	FACE OF MASONRY	TS	TUBE STEEL
FOS	FACE OF STUD	Typ	TYPICAL
Ftg	FOOTING	UON	UNLESS OTHERWISE NOTED
Ga	GAGE	Vert	VERTICAL
Galv	GALVANIZED		
GLM	GLUE LAMINATED MEMBER		
Gyp Bd	GYPSUM BOARD		

SYMBOLS

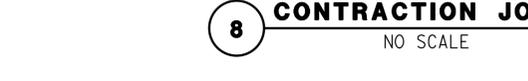
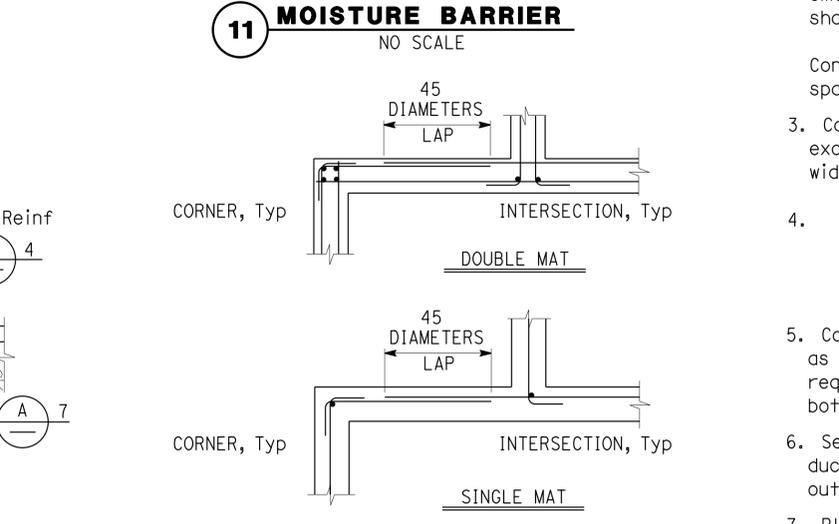
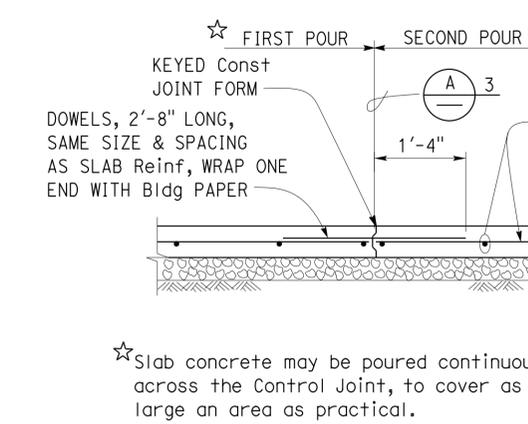
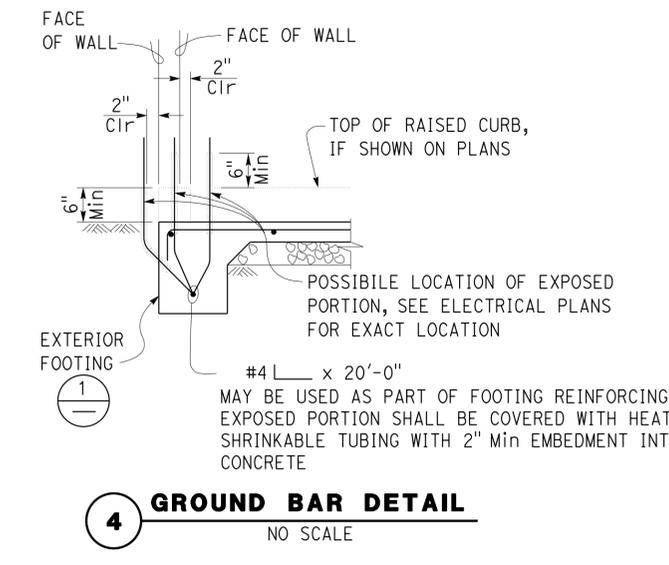
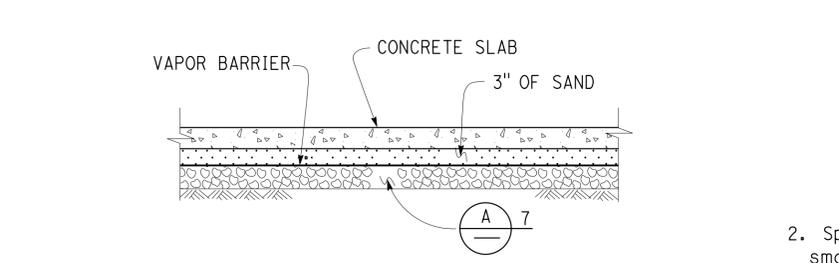
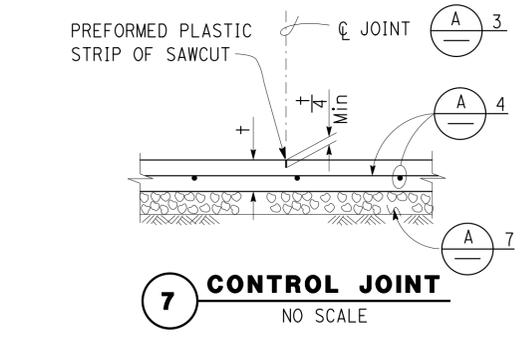
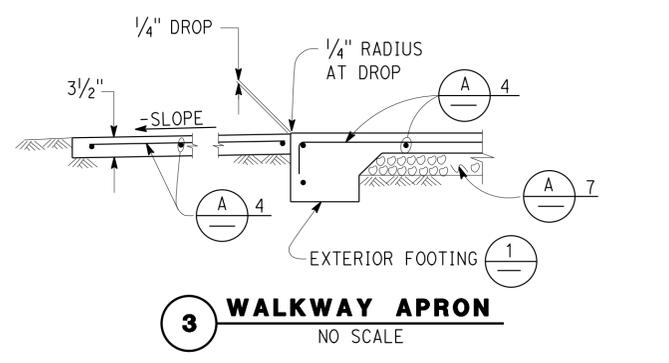
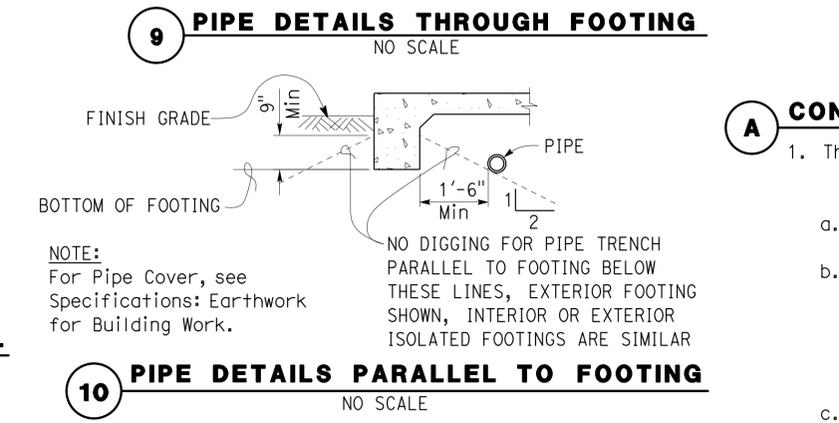
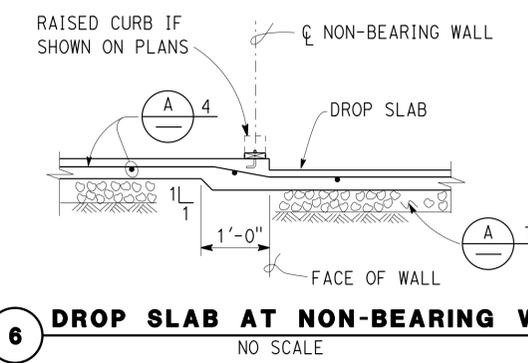
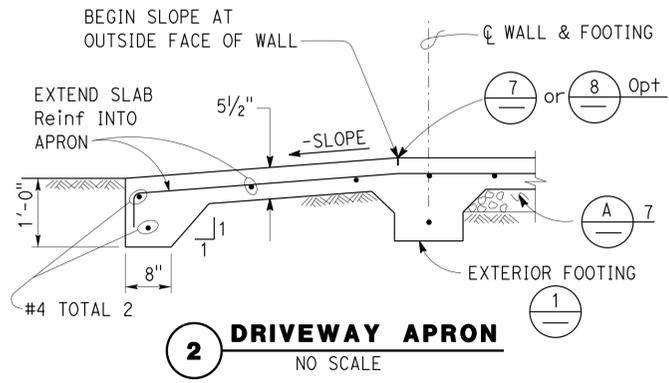
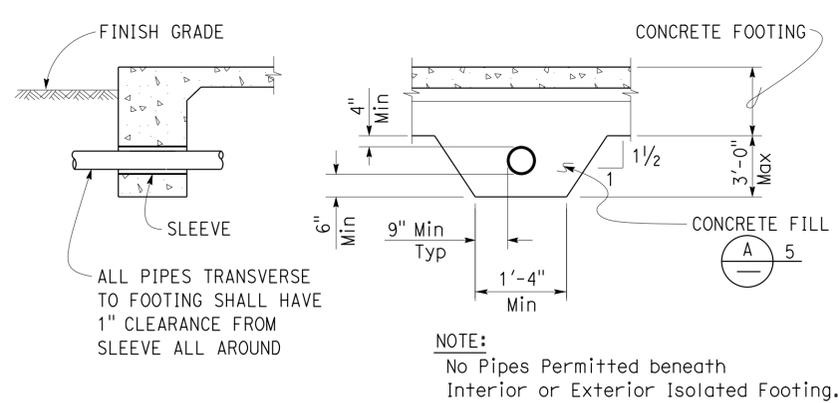
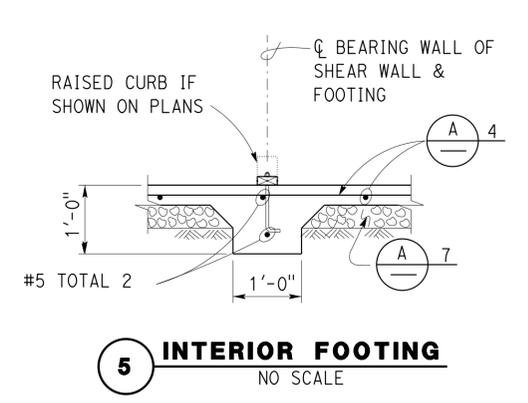
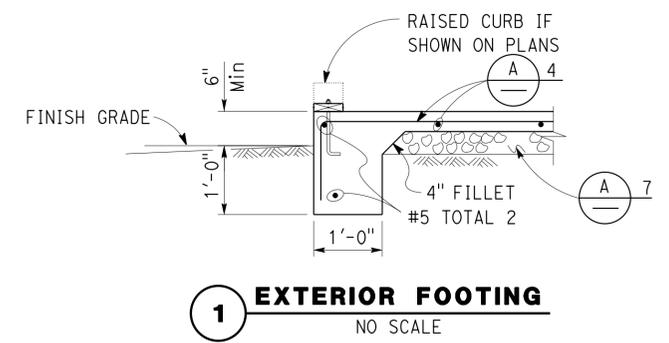
	BLOCKING IN SECTION OR ELEVATION		CMU WALL ON PLAN VIEWS
	CONTINUOUS MEMBER IN SECTION		DROPPED SLAB ON PLAN VIEWS
	END OF MEMBER		REINFORCED CONCRETE
	BEARING WALL		SAND
	SHEAR WALL		STRUCTURE BACKFILL
	LENGTH SHEARWALL SCHEDULE SYMBOL REFERENCE		STRUCTURE EXCAVATION
	GLUE LAMINATED MEMBER SECTION		ORIGINAL GROUND
	NORTH ARROW		LIMITS OF STRUCTURE BACKFILL (SHOWN ON PLAN VIEWS)
	PARTIAL SECTION CUT		FREE DRAINING GRANULAR MATERIAL
	FULL SECTION CUT		BOTTOM OF FOOTING
	REVISION CALLOUT		ELEVATION OR WORKING POINT
	GRID LINE INDICATOR		EXISTING FEATURES
	CENTER LINE		HOLDOWN, Typ (MANUFACTURERS ARE THOSE NOTED IN THE ORDER SHOWN)
	STATION LINE		FRAME CONNECTOR (MANUFACTURERS ARE THOSE NOTED IN THE ORDER SHOWN)
	STEEL PLATE		DETAIL NUMBER OR NOTE NUMBER ADDITIONAL REFERENCE (IF REQUIRED) SHEET NUMBER
	DIAMETER		
	SQUARE		

NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO.	PARADISE MAINTENANCE STATION				SHEET
FILE NO. XS-25-0	DESIGN BY <i>Sean Samuel</i>	CHECKED <i>Joe Glendon</i>	APPROVED <i>R.C. Travis</i>	ARCHITECTURAL AND STRUCTURAL DESIGN		54M5724		LEGEND				ST-1	
DRAWING DATE 1-04	DETAILS BY <i>Peter F. von Savoye, II</i>	CHECKED <i>Sean Samuel</i>	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION		POST MILE						OF	
SUBMITTED BY <i>Sean Samuel</i> , DESIGN ENGINEER				UNIT PROJECT NUMBER & PHASE 3581 08120002231		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)				SHEET	
TAEMWW Imperial Rev. 7/10				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		1-16-04 04-27-12 08-24-12						OF	

20-MAR-2015 10:21 st0_01.dgn

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	5724		35	70
			12-05-2014		
REGISTERED CIVIL ENGINEER			DATE		
03-16-2015					
PLANS APPROVAL DATE					
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- A CONCRETE NOTES**
- The following minimum concrete cover shall be provided for reinforcement.

	Minimum Cover
a. Concrete cast against and permanently exposed to earth	3"
b. Concrete exposed to earth or weather but cast in forms:	
#6 thru #18 bars	2"
#5 bar and smaller, W31 or D31 Wire, and smaller	1 1/2"
c. Concrete not exposed to weather or in contact with ground:	
Slabs, Walls and Joists:	
#14 and #18 Bar	1 1/2"
#11 Bar and smaller	3/4"
Beams and Columns:	
Primary Reinforcement, Ties, Stirrups and Spirals	1 1/2"
 - Splices in continuous reinforcement as in Walls, Wall Footings, etc. #8 or smaller shall have a lap of 45 diameters and the splices in adjacent bars shall not be less than 5'-0" apart.

Continuous Bars in spandrels, Wall Beams, etc. shall lap Top Bars at center of span and Bottom Bars at supports.
 - Contraction Joints and Control Joints shall divide slab into areas not exceeding 25 square yards without reentrant corners and with length to width ratios not exceeding 1.5 to 1. Joint spacing shall not exceed 15'-0".
 - Slab Thickness (±) Reinforcement

3/2"	#3 @ 18 Each way, place in center of Slab
5/2"	#4 @ 18 Each way, place in center of Slab
 - Concrete fill is to be placed before Footing is poured. Make the same width as the Footing and the full width of the Pipe trench. Concrete fill not required for pipes less than 2" diameter for pipes more than 3'-0" below bottom of footing.
 - See Mechanical and Architectural Plans for size and locations of pipe, vents, ducts and other similar openings. See Electrical Plans for conduits and outlet boxes in floors, walls, etc.
 - Place 4" of free draining granular material under slabs.

NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

FILE NO. XS-25-1	DESIGN BY <i>Sean Sandoz</i>	CHECKED <i>Lee G. ...</i>	APPROVED <i>R.C. ...</i>	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 54M5724	PARADISE MAINTENANCE STATION	SHEET ST-2
DRAWING DATE 1-04	DETAILS BY <i>Peter F. ...</i>	CHECKED <i>...</i>	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION		POST MILE	CONCRETE STANDARD	
TAEMWW Imperial Rev. 7/10	SCALE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3581 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 1-16-04 11-14-05 04-27-12 08-24-12	SHEET OF

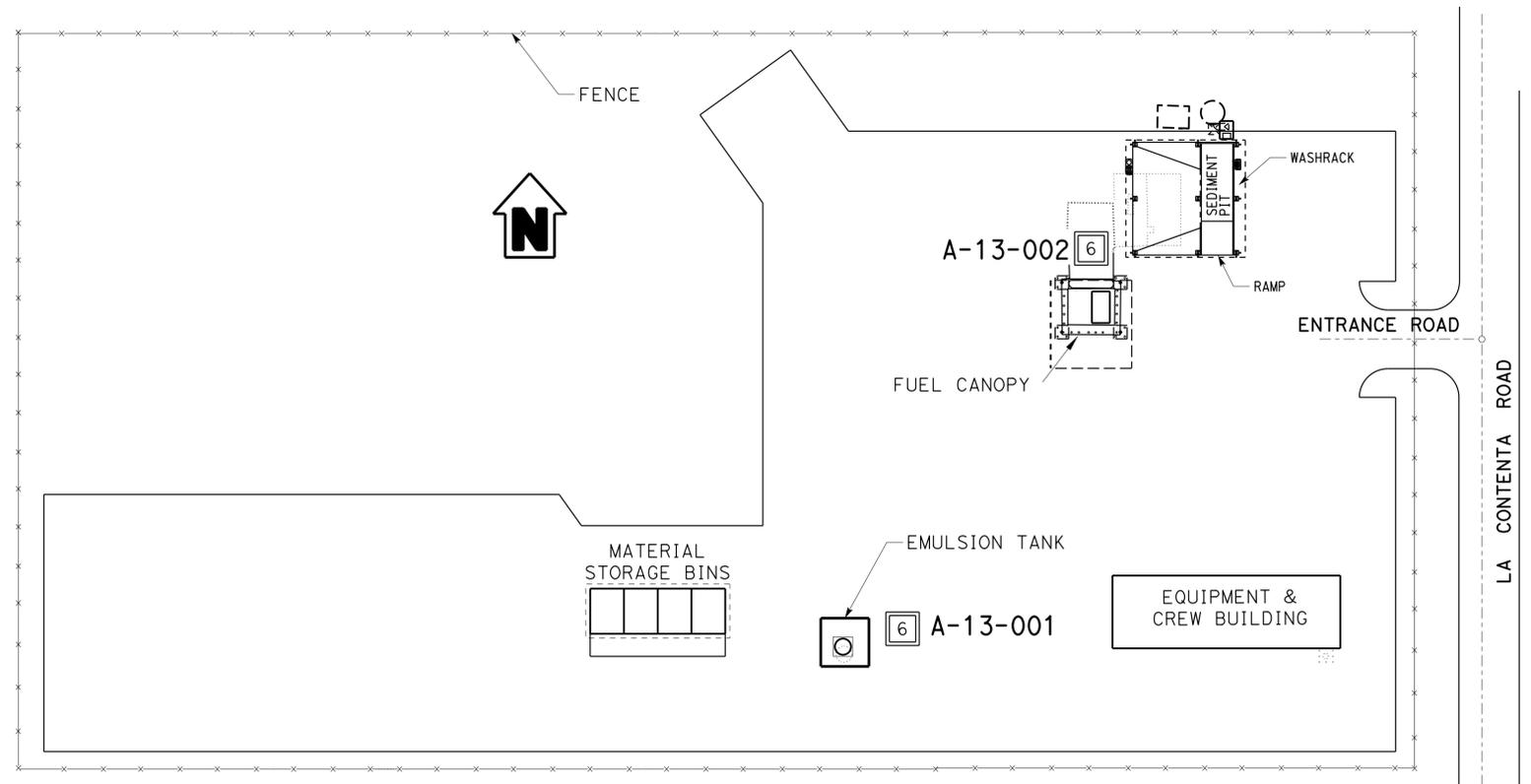
DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		36	70
 REGISTERED CIVIL ENGINEER			4-8-13 DATE		
03-16-2015 PLANS APPROVAL DATE					
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This LOTB sheet was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, & Presentation Manual (2010 Edition).
 See 2010 Standard Plans A10F and A10G for Soil Legend, and A10H for Rock Legend.

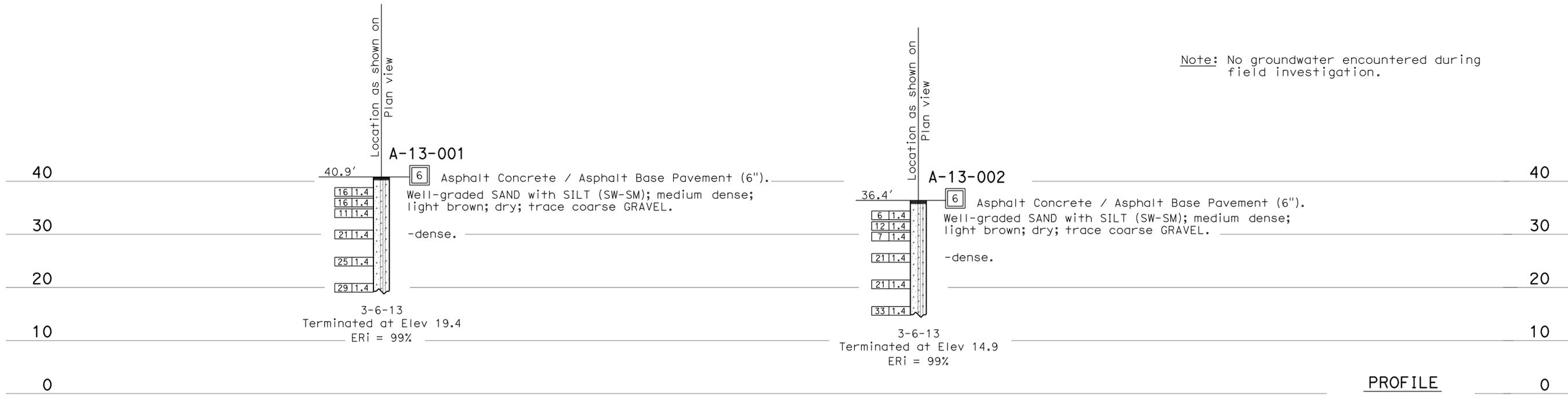
BENCH MARK

TBM (Local) Elev 50.0
 Set 6"x6" concrete monument
 C.E NE V64



PLAN
 Not to Scale

Note: No groundwater encountered during field investigation.



PROFILE
 Horiz: Not to Scale
 Vert: 1" = 10'

ENGINEERING SERVICES		MATERIALS AND GEOTECHNICAL SERVICES		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH X		BRIDGE NO. 54M5724 POST MILE N/A		PARADISE MAINTENANCE STATION LOG OF TEST BORINGS									
FUNCTIONAL SUPERVISOR NAME: A. Perez-Cobo		DRAWN BY: I.G-Remmen CHECKED BY: S. Logeswaran		FIELD INVESTIGATION BY: H. Ibrahim		PROJECT NUMBER & PHASE: 08120002231		CONTRACT NO.: 08-0R9601		REVISION DATES 04-05-13 04-08-13		SHEET OF X X							
065 CIVIL LOG OF TEST BORINGS SHEET												ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: X		DISREGARD PRINTS BEARING EARLIER REVISION DATES		FILE => s+0_Log01.dgn	

USERNAME => s116861 DATE PLOTTED => 20-MAR-2015 TIME PLOTTED => 10:21

PROJECT DESIGN CRITERIA

The building work on this project has been designed to conform to the 2010 California Building Code (2009 IBC).

DETAIL NOTES

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		37	70

 12-05-2014
 REGISTERED CIVIL ENGINEER DATE



03-16-2015
PLANS APPROVAL DATE

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LOADS

SEISMIC: Occupancy Category= II
 Importance Factor I = 1.0
 Site Soil Class = D
 $S_S = 1.570$ $S_{DS} = 1.047$
 $S_I = 0.640$ $S_{DI} = 0.640$

Seismic Design Category = D
Seismic Force-Resisting System:
 Moment-Resisting Frame System
North - South
 Ordinary steel moment frames.
 $R = 3.50$ $C_S = 0.299$

Moment-Resisting Frame System
East - West
 Ordinary steel moment frames.
 $R = 3.50$ $C_S = 0.299$

WIND: Basic Wind Speed = 85 mph I = 1.0
 $y = 1.29$ $P_{S30} = \pm 13$
 $K_{zt} = 1.0$

LIVE LOAD: Roof = 20 psf

- For Concrete see: "Concrete Standard"
- All bolts shall be hex head machine bolts, with hex head nuts; unless otherwise noted.
- All lock washers shall be helical spring lock washers.

MATERIALS

REINFORCED CONCRETE: (Ultimate Strength Design) :
 $f'_c = 3,000$ psi
 $f_y = 60,000$ psi

STRUCTURAL STEEL: (Allowable Strength Design) :
 Wide Flange $F_y = 50$ ksi
 Channels, Angles & Misc. Shapes $F_y = 36$ ksi
 Plates $F_y = 36$ ksi
 Hollow Structural Section (HSS) $F_y = 46$ ksi

FOUNDATION:
 Soils report dated : March 29, 2013
 Allowable Soil Pressure (DL+LL): = 4,000 psf (service)

For Soil Classification, see Log of Test Boring Sheets.

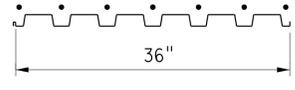
A METAL/STEEL DECK NOTES

METAL DECK MINIMUM SECTION PROPERTIES

Deck Type	Depth & Gage	Moment of Inertia	Positive Section Modulus	Negative Section Modulus	Minimum Yield Strength
Steel Deck	1 1/2" x 16 Ga	0.377 in ⁴ /ft	0.411 in ³ /ft	0.417 in ³ /ft	33 Ksi

NOTE:
Minimum 3 Span Condition

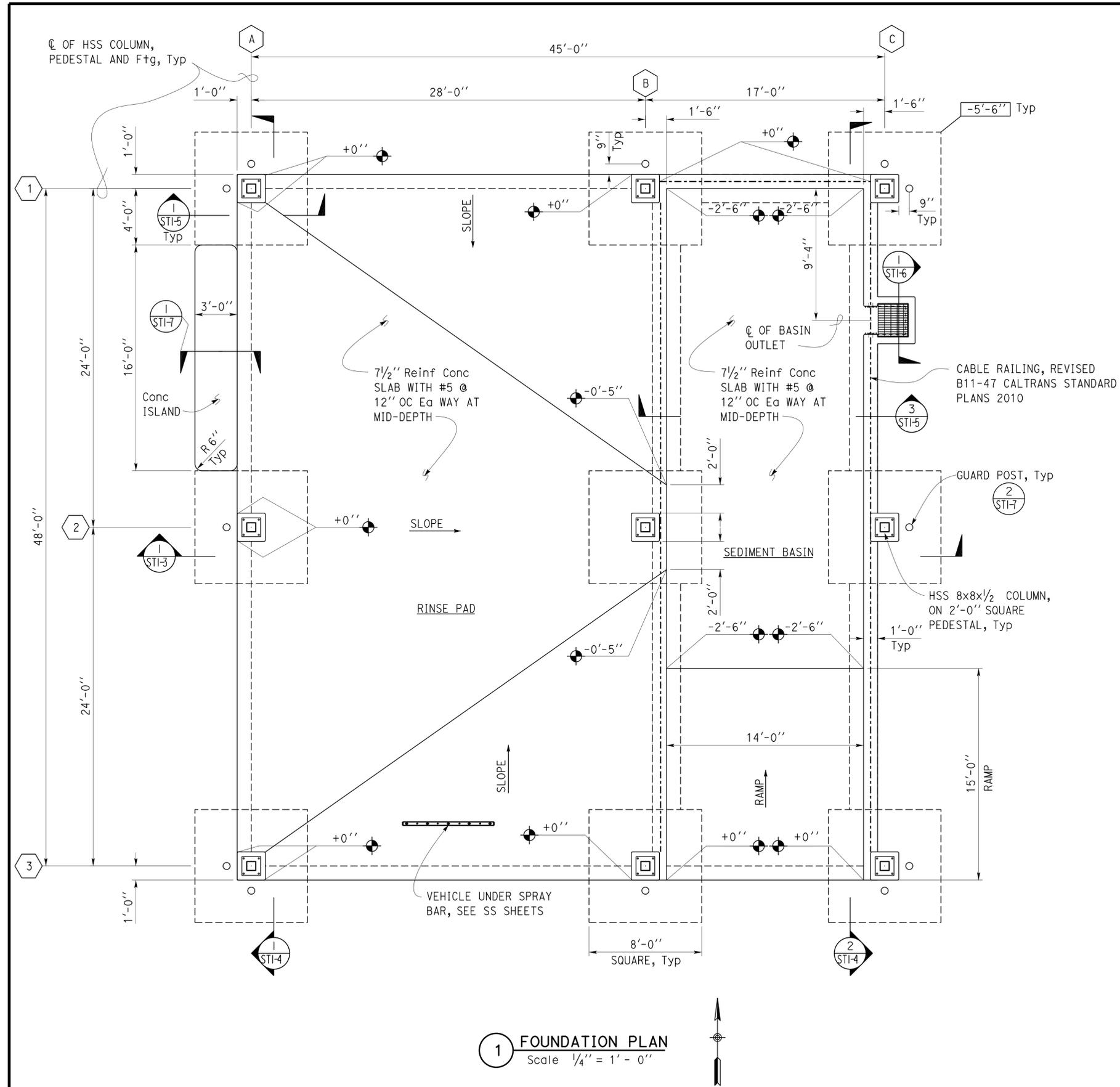
WELDING SCHEDULE and METAL DECK PROFILE

Steel Deck Profile	1/2" Diameter Puddle Weld		Side Seam Weld	Diaphragm Shear Capacity
	Perpendicular Supports and Panel Ends	Parallel Supports	Side Laps	
	7 - Puddle Welds Per Support	12" OC	12" OC	2110 lb/ft

DESIGN BY	Edgardo Isidro	CHECKED	Gang Hong
DETAILS BY	Aleksey Serin	CHECKED	Edgardo Isidro
QUANTITIES BY		CHECKED	

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No.	PARADISE MAINTENANCE STATION		SHEET ST1-0
		54M5724	DESIGN CRITERIA AND DETAIL NOTES		
UNIT: 3581 CONTRACT No.: 0R9601 PROJECT NUMBER & PHASE: 08120002231		POST MILE	VEHICLE RINSE FACILITY	REVISION DATES (PRELIMINARY STAGE ONLY) 09-14-09 08-24-12 06-12-13 08-26-13	

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		38	70
 REGISTERED CIVIL ENGINEER			12-05-2014 DATE		
03-16-2015 PLANS APPROVAL DATE					
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1 FOUNDATION PLAN
Scale 1/4" = 1' - 0"

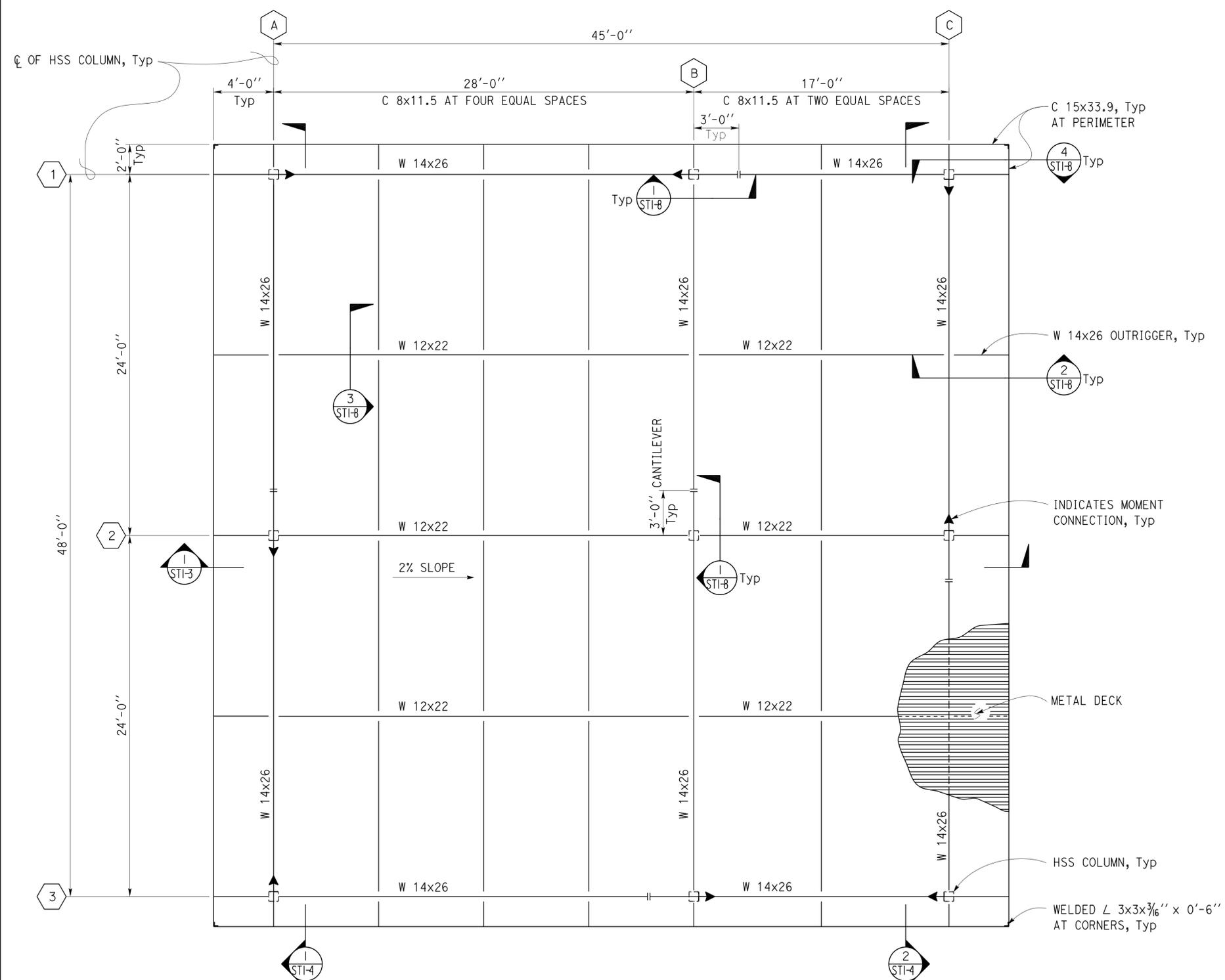
TAEWW Imperial - CCSC Rev. 01/13	 DESIGN ENGINEER	DESIGN BY	Edgardo Isidro	CHECKED	Gang Hong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No.	54M5724	PARADISE MAINTENANCE STATION VEHICLE RINSE FACILITY	FOUNDATION PLAN	SHEET OF ST1-1
		DETAILS BY	Aleksey Serin	CHECKED	Edgardo Isidro			POST MILE				
		QUANTITIES BY		CHECKED		UNIT: 3581 CONTRACT No.: 0R9601 PROJECT NUMBER & PHASE: 08120002231		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 12-04-12 04-09-13 06-21-13 07-29-13 08-28-13 10-23-14		

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		39	70

REGISTERED CIVIL ENGINEER
 12-05-2014 DATE
 Gang Hong
 No. 60406
 Exp. 6-30-16
 CIVIL
 STATE OF CALIFORNIA

03-16-2015
 PLANS APPROVAL DATE

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1 ROOF FRAMING PLAN
 Scale 1/4" = 1' - 0"

DESIGN BY Edgardo Isidro	CHECKED Gang Hong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 54M5724	PARADISE MAINTENANCE STATION		SHEET ST1-2
				POST MILE	VEHICLE RINSE FACILITY	ROOF FRAMING PLAN	
DETAILS BY Aleksey Serin	CHECKED Edgardo Isidro	UNIT: 3581 CONTRACT No.: 0R9601 PROJECT NUMBER & PHASE: 08120002231		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	
QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		12-03-12 04-09-13 06-12-13 07-03-13 11-04-13 10-23-14		SHEET	OF

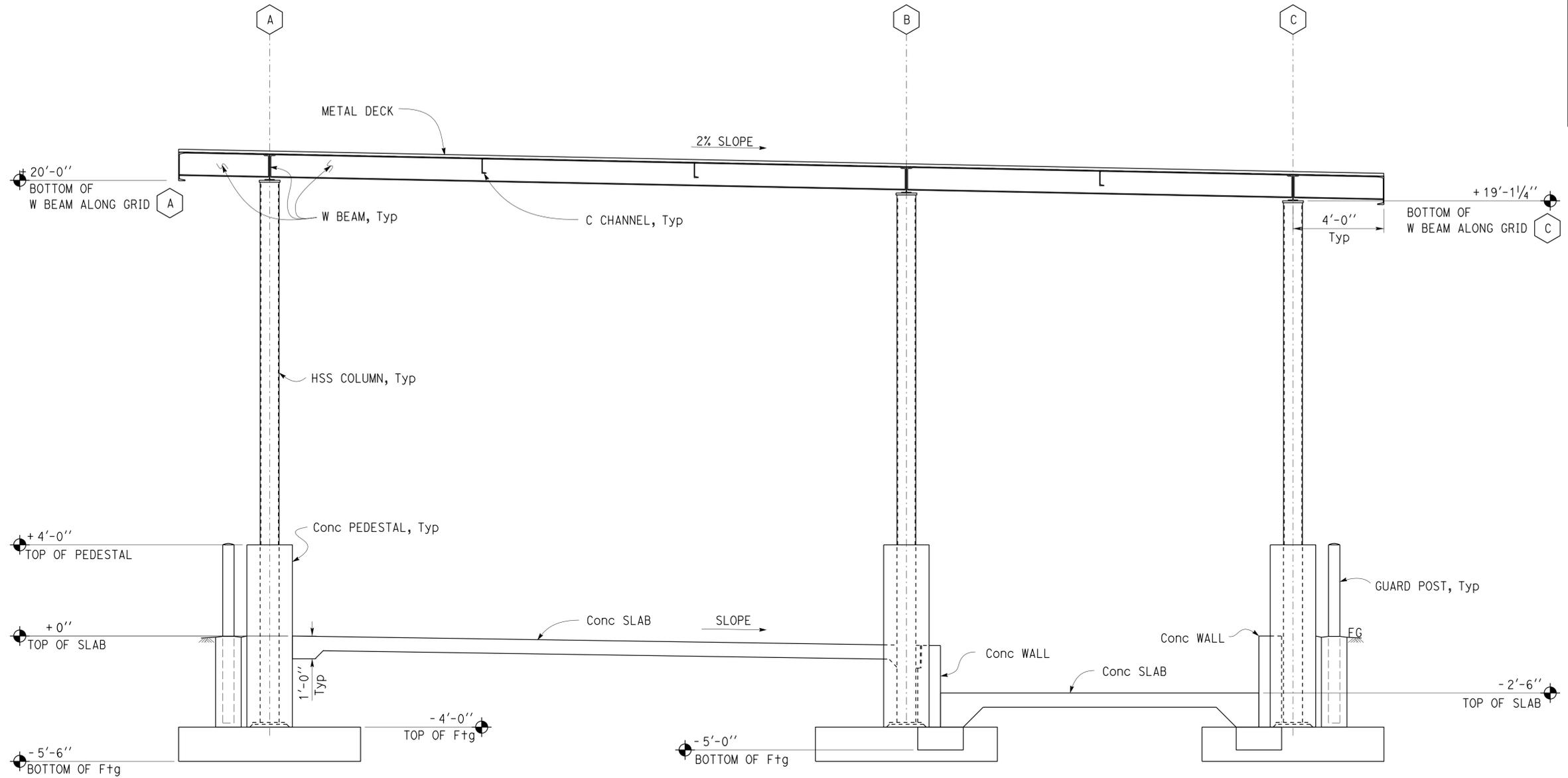
TAEWW Imperial - CCSC Rev. 01/13

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		40	70


 REGISTERED CIVIL ENGINEER
 DATE 12-05-2014

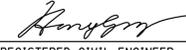

03-16-2015
 PLANS APPROVAL DATE
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1 MAIN SECTION
 Scale $\frac{3}{8}'' = 1' - 0''$

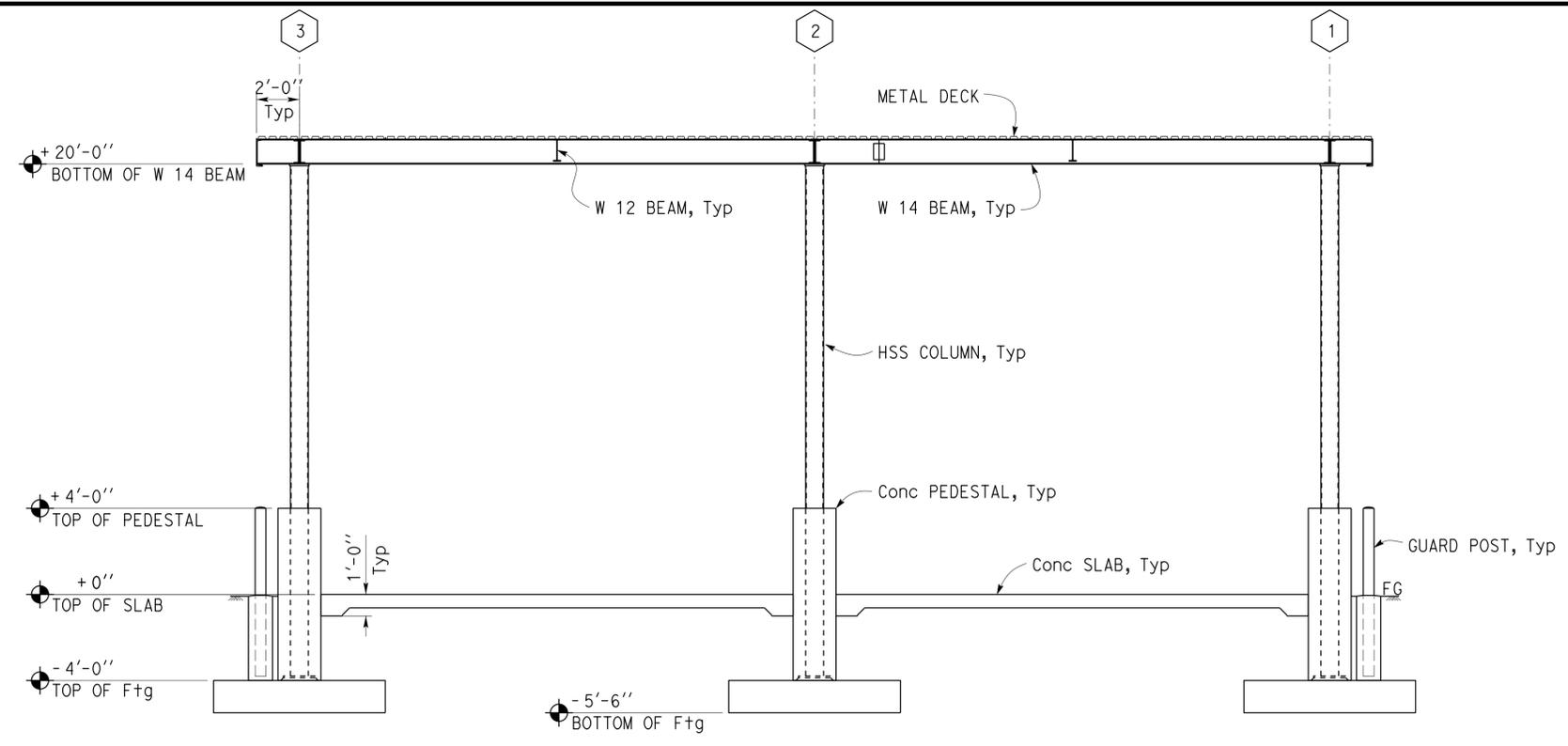
DESIGN BY Edgardo Isidro	CHECKED BY Gang Hong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 54M5724	PARADISE MAINTENANCE STATION VEHICLE RINSE FACILITY	SHEET ST1-3
				POST MILE		
DETAILS BY Aleksey Serin	CHECKED BY Edgardo Isidro	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 3581 CONTRACT No.: 0R9601 PROJECT NUMBER & PHASE: 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET OF	

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Sbd	5724		41	70

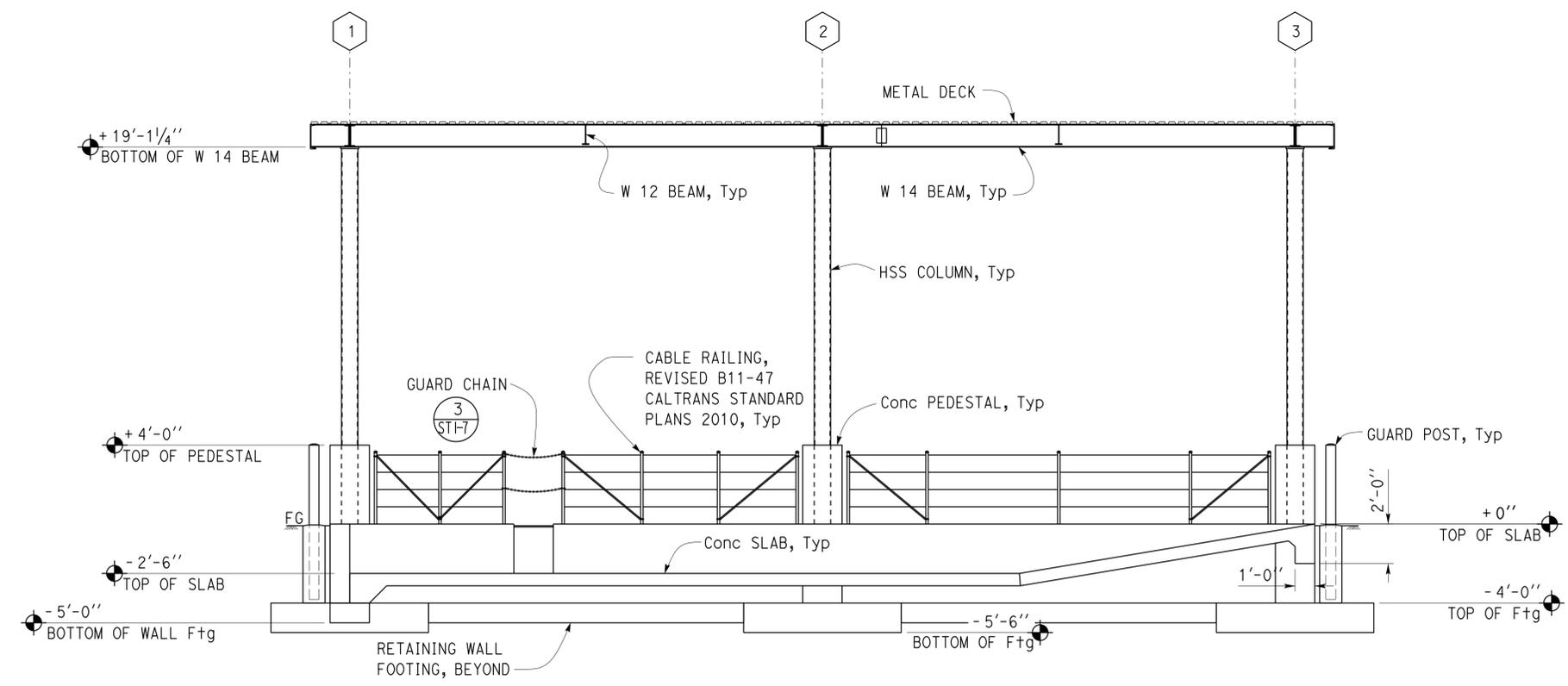

 REGISTERED CIVIL ENGINEER
 DATE 12-05-2014
 No. 60406
 Exp. 6-30-16
 CIVIL
 STATE OF CALIFORNIA

03-16-2015
PLANS APPROVAL DATE

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1 SECTION
Scale 1/4" = 1' - 0"



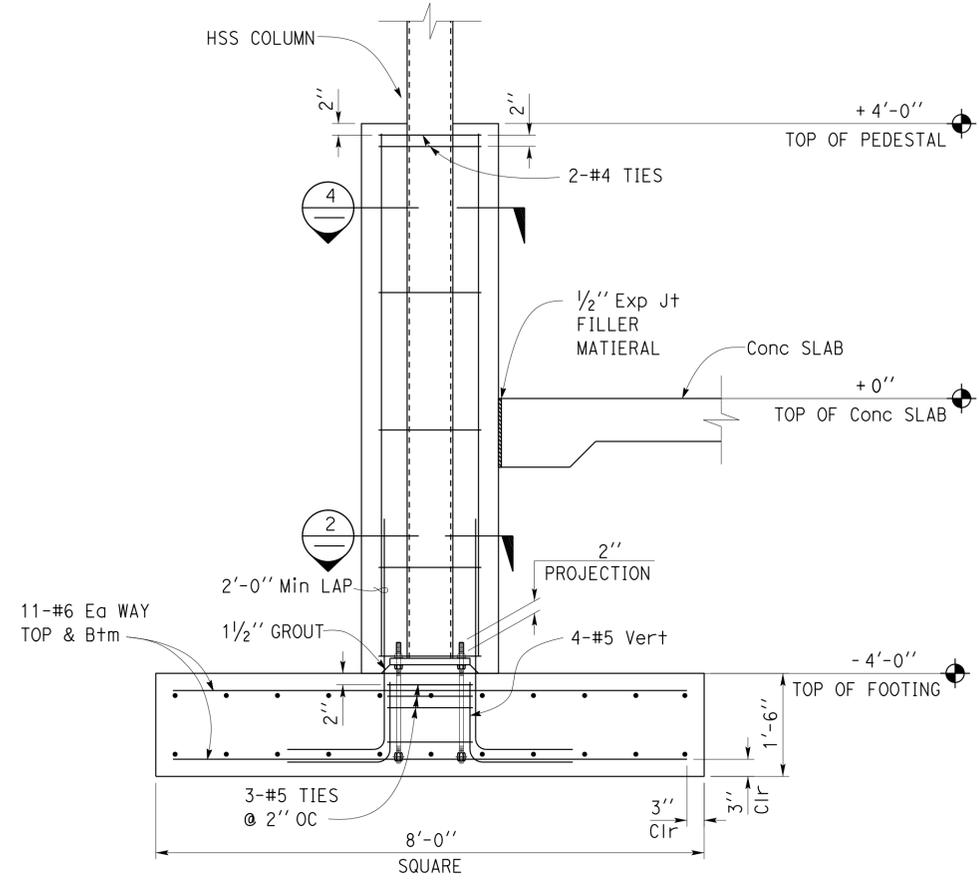
2 SECTION
Scale 1/4" = 1' - 0"

DESIGN BY Edgardo Isidro	CHECKED BY Gang Hong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 54M5724	PARADISE MAINTENANCE STATION	SHEET ST1-4	
				POST MILE			VEHICLE RINSE FACILITY
				BUILDING SECTIONS			
DETAILS BY Aleksy Serin	CHECKED BY Edgardo Isidro	UNIT: 3581 CONTRACT No.: 0R9601 PROJECT NUMBER & PHASE: 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF		

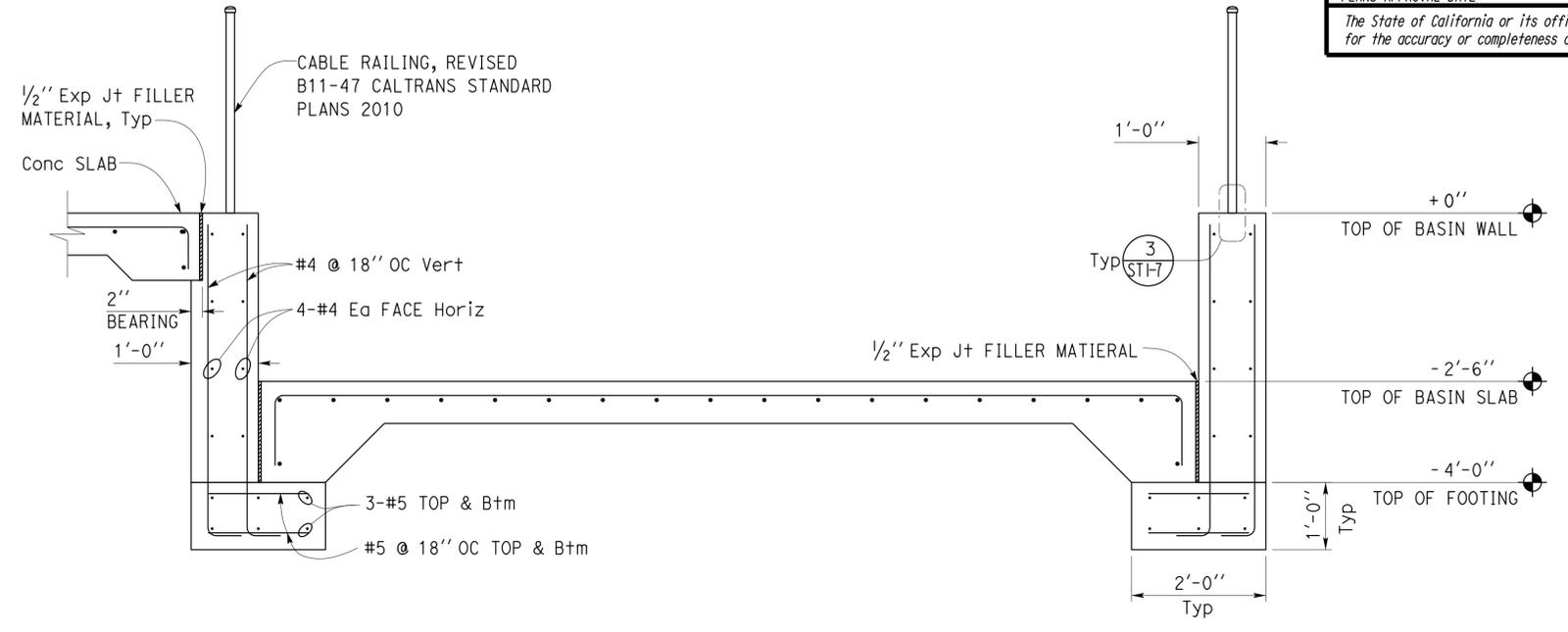
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		42	70


 REGISTERED CIVIL ENGINEER
 DATE 12-05-2014
 Exp. 6-30-16
 CIVIL
 STATE OF CALIFORNIA

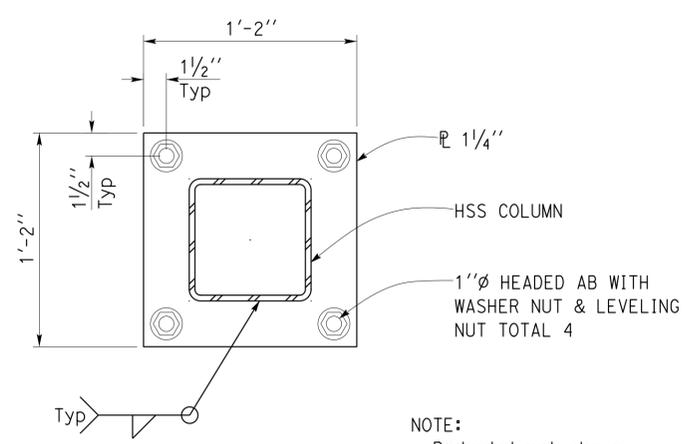
03-16-2015
 PLANS APPROVAL DATE
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1 SECTION
Scale 3/4" = 1' - 0"

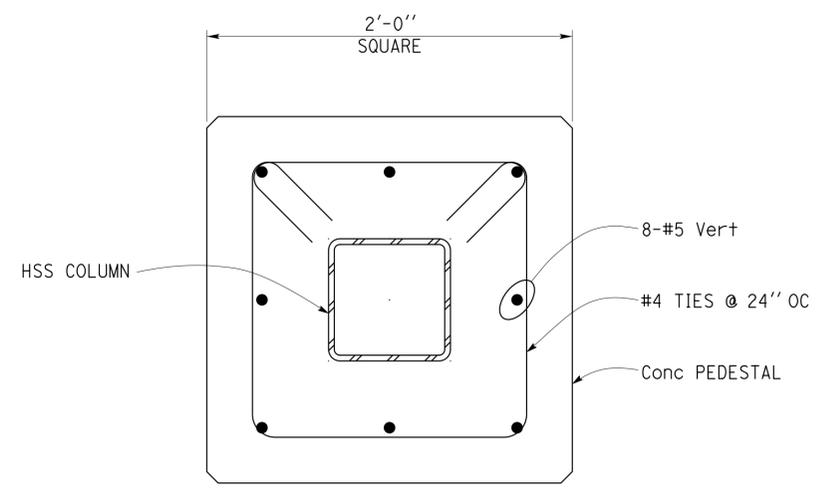


3 SECTION
Scale 3/4" = 1' - 0"



2 BASE PLATE
Scale 2" = 1' - 0"

NOTE:
Pedestal not shown for clarity.



4 SECTION
Scale 2" = 1' - 0"

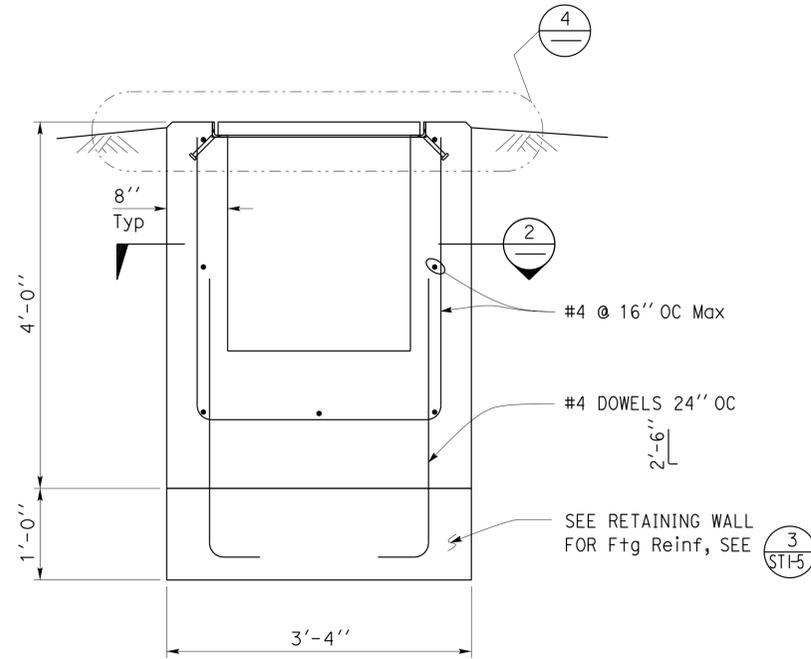
DESIGN	BY	Edgardo Isidro	CHECKED	Gang Hong	BRIDGE No.	54M5724	POST MILE	VEHICLE RINSE FACILITY	PARADISE MAINTENANCE STATION	FOOTING/SLAB DETAILS	SHEET OF	ST1-5
	DETAILS	BY	Aleksey Serin	CHECKED								
QUANTITIES	BY		CHECKED		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF			
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION					DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN			UNIT: 3581 CONTRACT No.: 0R9601 PROJECT NUMBER & PHASE: 08120002231		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3		

TAEWW Imperial - CCSC Rev. 01/13
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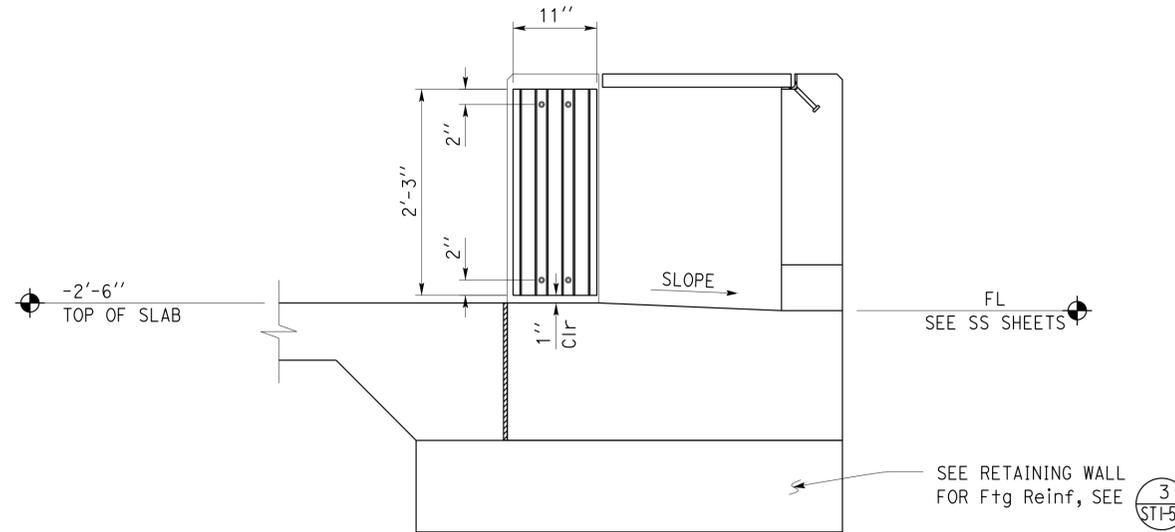
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		43	70


 REGISTERED CIVIL ENGINEER
 DATE 12-05-2014
 No. 60406
 Exp. 6-30-16
 CIVIL
 STATE OF CALIFORNIA

03-16-2015
 PLANS APPROVAL DATE
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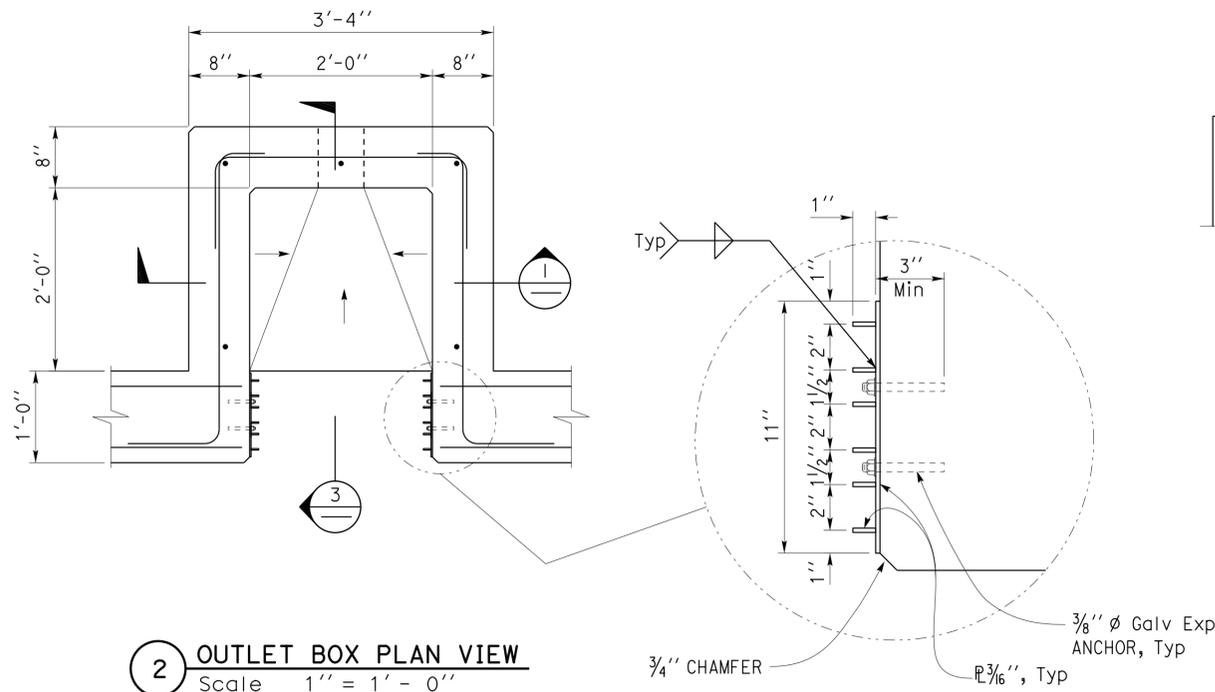


1 OUTLET BOX SECTION
Scale 1" = 1' - 0"

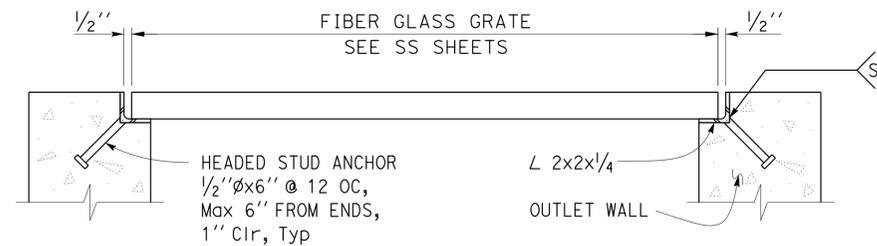


3 OUTLET BOX SECTION
Scale 1" = 1' - 0"

NOTE:
For information not shown, see Sanitary sheets.



2 OUTLET BOX PLAN VIEW
Scale 1" = 1' - 0"



4 FIBER GLASS GRATE AND FRAME SECTION
Scale 2" = 1' - 0"

DESIGN BY Edgardo Isidro	CHECKED BY Gang Hong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 54M5724	PARADISE MAINTENANCE STATION		SHEET ST1-6	
				POST MILE	VEHICLE RINSE FACILITY	OUTLET BOX DETAILS	OF	
DETAILS BY Aleksey Serin	CHECKED BY Edgardo Isidro	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 3581 CONTRACT No.: 0R9601 PROJECT NUMBER & PHASE: 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET
QUANTITIES BY	CHECKED	0 1 2 3	08120002231	06-06-13 06-13-13 06-25-13 07-24-13 07-29-13 08-26-13 10-29-13				OF

TAEWW Imperial - CCSC Rev. 01/13

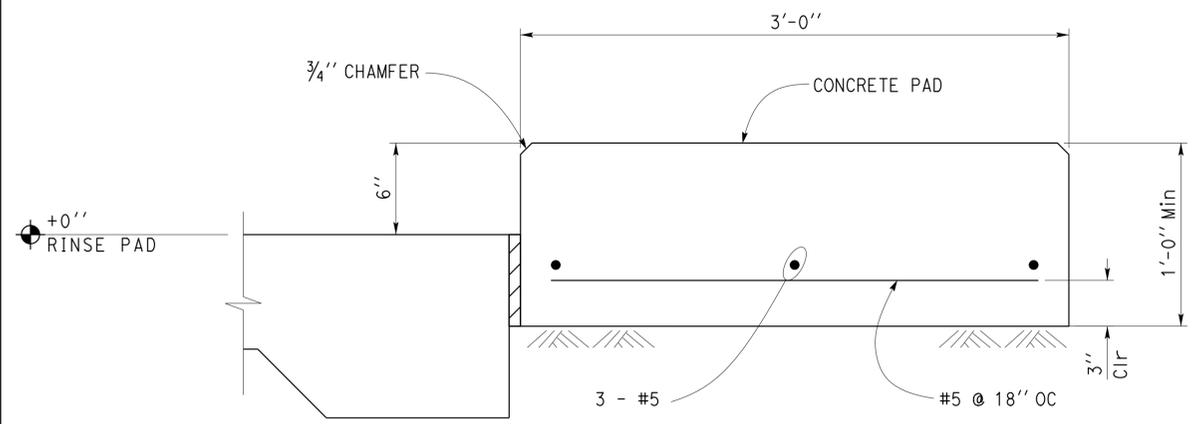
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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		44	70

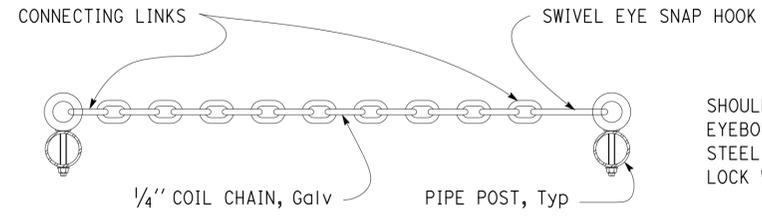
<i>Gang Hong</i>	12-05-2014	
REGISTERED CIVIL ENGINEER	DATE	

03-16-2015
PLANS APPROVAL DATE

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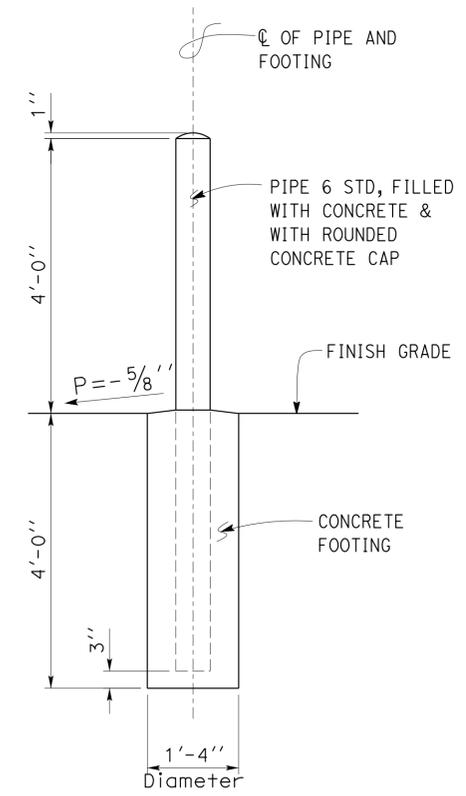


1 CONCRETE PAD SECTION
Scale 2" = 1' - 0"



SHOULDER PATTERN
EYEBOLT DROP-FORGED
STEEL 5/8"Ø SHANK WITH
LOCK WASHER AND HEX NUT, Typ

3 GUARD CHAIN PLAN AND DETAIL
Scale 2" = 1' - 0"



2 PIPE GUARD POST DETAIL
Scale 3/4" = 1' - 0"

DESIGN	BY	Edgardo Isidro	CHECKED	Gang Hong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No.	54M5724	PARADISE MAINTENANCE STATION VEHICLE RINSE FACILITY	MISCELLANEOUS DETAILS	SHEET	ST1-7
	DETAILS	BY	Aleksey Serin	CHECKED			Edgardo Isidro	POST MILE				REVISION DATES (PRELIMINARY STAGE ONLY)
QUANTITIES	BY		CHECKED		UNIT: 3581 CONTRACT No.: 0R9601 PROJECT NUMBER & PHASE: 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	06-21-13	07-31-13	10-29-13			

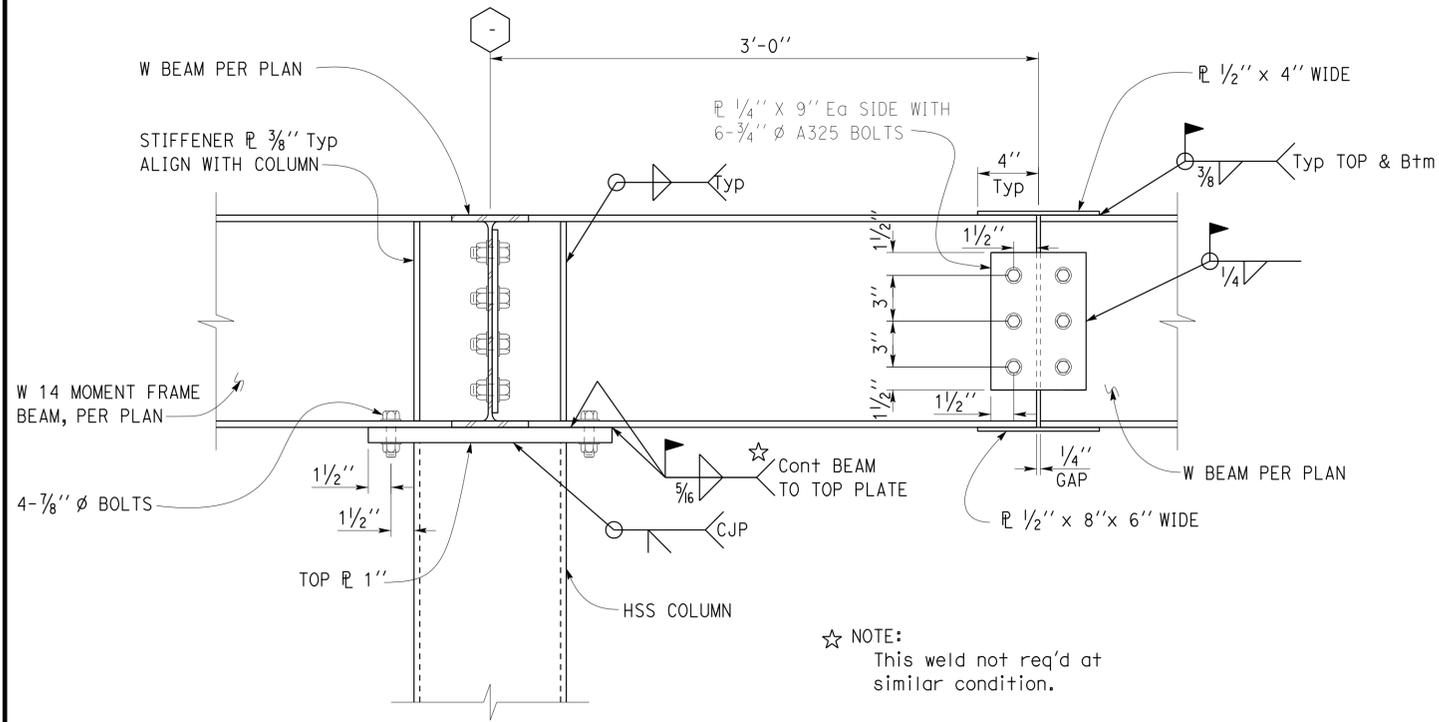
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3

TAEWW Imperial - CCSC Rev. 01/13

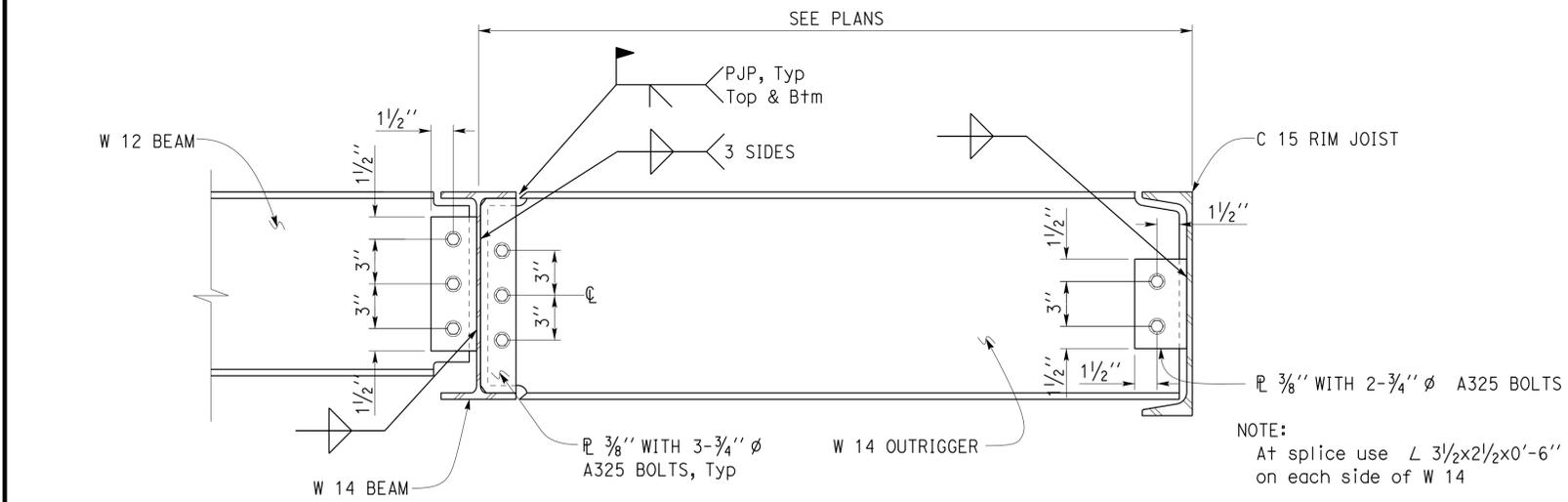
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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		45	70

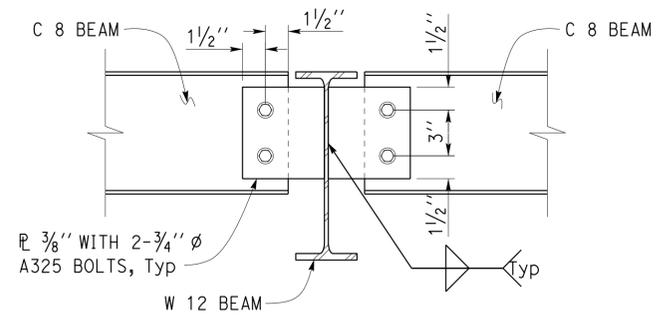
12-05-2014
 REGISTERED CIVIL ENGINEER DATE
 03-16-2015
 PLANS APPROVAL DATE
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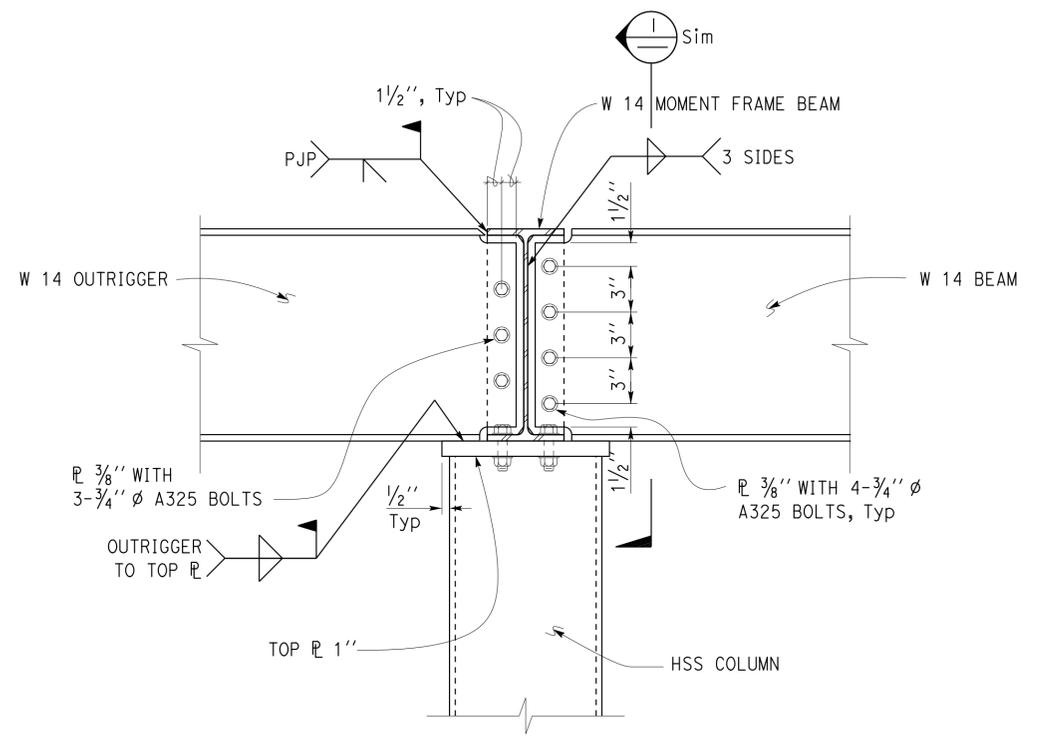
1 MOMENT CONNECTION
Scale 2" = 1' - 0"



2 OUTRIGGER CONNECTION
Scale 2" = 1' - 0"



3 CHANNEL TO BEAM CONNECTION
Scale 2" = 1' - 0"



NOTES:
 1. For additional information not shown, see
 2. Stiffener plate not shown for clarity.

4 MOMENT CONNECTION
Scale 2" = 1' - 0"

DESIGN BY Edgardo Isidro	CHECKED BY Gang Hong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 54M5724	PARADISE MAINTENANCE STATION		SHEET ST1-8
				POST MILE	VEHICLE RINSE FACILITY	ROOF FRAMING DETAILS	
DETAILS BY Aleksey Serin	CHECKED BY Edgardo Isidro	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 3581 CONTRACT No.: 0R9601 PROJECT NUMBER & PHASE: 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF
QUANTITIES BY	CHECKED				07-08-13 08-20-13 08-26-13 10-23-14		

20-MAR-2015 10:21

GRAPHIC SYMBOLS FOR ELECTRICAL WIRING AND LAYOUT DIAGRAMS

SYMBOL	DESCRIPTION
	POLE-TOP ELECTROLIER
	POLE-ARM ELECTROLIER
	CEILING WALL
	SURFACE FLUORESCENT, METAL HALIDE, LED, OR SODIUM VAPOR FIXTURE
	PENDANT FLUORESCENT, METAL HALIDE, LED, OR SODIUM VAPOR FIXTURE
	EXIT LIGHT
	SURFACE OR PENDANT INDIVIDUAL FLUORESCENT OR LED FIXTURE
	RECESSED INDIVIDUAL FLUORESCENT OR LED FIXTURE
	SURFACE OR PENDANT CONTINUOUS ROW FLUORESCENT OR LED FIXTURES
NOTE:	A LOWER CASE LETTER NEAR GRAPHIC LIGHTING FIXTURE SYMBOL DENOTES THAT FIXTURE IS CONTROLLED BY A SIMILARLY MARKED SWITCH, AN ALPHA-NUMERIC SYMBOL NEAR GRAPHIC LIGHTING FIXTURE SYMBOL DENOTES FIXTURE TYPE, (I=INCANDESCENT, F=FLUORESCENT, MH=METAL HALIDE, H=HIGH PRESSURE SODIUM VAPOR, L=LED), DESIGN TYPE, NUMBER OF LAMPS AND WATTAGE.
	EXAMPLE : (4) F2-2x32
	BLANK OUTLET
	JUNCTION BOX
	DROP CORD
	SINGLE RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET (WITH GFCI)
	DUPLEX RECEPTACLE OUTLET, WEATHERPROOF (WITH GFCI)
	SINGLE, SPECIAL PURPOSE RECEPTACLE OUTLET
	DUPLEX, SPECIAL PURPOSE RECEPTACLE OUTLET
	RANGE OUTLET
	CLOCK HANGER RECEPTACLE
	FAN HANGER RECEPTACLE
	FLOOR SINGLE RECEPTACLE OUTLET
	FLOOR DUPLEX RECEPTACLE OUTLET
	FLOOR SPECIAL PURPOSE OUTLET
	FLOOR RADIO OUTLET
	FLOOR TELEPHONE OUTLET
	MULTI-FLOOR OUTLET, 2 OR MORE GANG
	MULTI-OUTLET ASSEMBLY
	SWITCH AND SINGLE RECEPTACLE
	SWITCH AND DUPLEX RECEPTACLE
	RADIO OUTLET
	COMMUNICATION OUTLET
	SOUND SYSTEM LOUD SPEAKER OUTLET
	RADIO OUTLET
	TELEVISION OUTLET
	MICROPHONE OUTLET
	THERMOSTAT

SYMBOL	DESCRIPTION
S	SINGLE-POLE SWITCH
S2	DOUBLE-POLE SWITCH
S3	THREE-WAY SWITCH
S4	FOUR-WAY SWITCH
SD	AUTOMATIC DOOR
SK	KEY OPERATED SWITCH
SP	SWITCH AND PILOT LIGHT
SMC	MOMENTARY CONTACT SWITCH
SR	REMOTE CONTROL SWITCH
SWP	WEATHERPROOF SWITCH
SF	FAN SWITCH
SL	LIGHT SWITCH
SH	HEATER SWITCH
Svs	VARIABLE SPEED MOTOR CONTROL SWITCH
SCHLF	TWO TIMER SWITCHES, ONE SWITCH FOR LIGHT AND FAN AND ONE SWITCH FOR HEAT LAMP
S ⁰	OCCUPANCY SENSOR WALL SWITCH, SINGLE LEVEL
S ₂ ⁰	OCCUPANCY SENSOR WALL SWITCH, BILEVEL
SM	MOTION SENSOR SWITCH
ST	MANUAL MOTOR STARTING SWITCH, THERMAL OVERLOAD TYPE
SHP	MANUAL MOTOR STARTING SWITCH, WITHOUT OVERLOAD ELEMENT
Ts	TIMER SWITCH
	PUSHBUTTON
	PUSHBUTTON STATION, NC, WITH LOCKING DEVICE FOR OPEN
	PUSHBUTTON STATION MOTOR CONTROL
	BUZZER
	BELL
	COMBINATION BELL-BUZZER
	PRESSURE SWITCH
	CONTROL RELAY
	FLOW SWITCH
	PHOTOELECTRIC UNIT
	HAND DRYER NOZZLE
	HAND DRYER
	FLUSH-MOUNTED PANELBOARD AND CABINET
	SURFACE-MOUNTED PANELBOARD AND CABINET
	LIGHTING PANEL
	POWER PANEL
	COMBINATION LIGHTING AND POWER
	MOTOR CONTROLLER
	DISCONNECT SWITCH
	CONDUIT CONCEALED IN CEILING OR WALL
	CONDUIT CONCEALED IN FLOOR
	CONDUIT EXPOSED
	CROSS-LINES INDICATE NUMBER OF #12 AWG CONDUCTORS. LONGER CROSS-LINE INDICATES 1#12 AWG (G) FOR EQUIPMENT GROUNDING CONDUCTOR. NO CROSS-LINE INDICATES 2#12 WITH 1#12 (G) UNLESS OTHERWISE NOTED. ALL CONDUIT 1/2" UNLESS OTHERWISE NOTED.
	HOMERUN TO PANELBOARD, ARROWS INDICATE NUMBER OF CIRCUITS, LETTER DENOTES PANELBOARD, NUMERAL DENOTES CIRCUIT

SYMBOL	DESCRIPTION
	SM SURFACE METAL RACEWAY
	(2) 1/2" C, PVC, 2#12 CONDUCTOR INFO (PER CONDUIT) CONDUIT TYPE CONDUIT SIZE NUMBER OF CONDUITS (NO NUMBER INDICATES ONE CONDUIT)
	MC CONDUIT, RIGID STEEL, UNDERGROUND
	PVC-MC CONDUIT, PVC COATED RSC, UNDERGROUND
	PVC CONDUIT, POLYVINYL CHLORIDE, UNDERGROUND
	CONDUIT, FLEXIBLE
	CONDUIT, TURN UP
	CONDUIT, TURN DOWN
	CONDUIT SEAL, EXPLOSION-PROOF
	CONDUIT, EXPANSION JOINT
	ADAPTER, ONE TYPE CONDUIT TO ANOTHER
	POLE
	OCCUPANCY SENSOR
	OCCUPANCY SENSOR POWER PACK
	MANUAL PULL STATION
	AUDIO/VISUAL ALARM DEVICE
	HEAT DETECTOR
	SMOKE DETECTOR
	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
	MAGNETIC CONTACT SWITCH-VEHICLE DOOR
	KEYPAD FOR ALARM SYSTEM
	COMBINATION DETECTOR (MICROWAVE/PASSIVE INFRARED)
	PULL BOX-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO)
	PULL BOX (TRAFFIC-RATED)-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO)
	COMBINATION HEAT, LIGHT, AND FAN UNIT
	SOLENOID VALVE
	SECTION/ELEVATION LETTER
	SHEET NUMBER
	DETAIL NUMBER
	SHEET NUMBER

REMODEL WORK

SYMBOL	DESCRIPTION
	EXISTING FLUORESCENT FIXTURE-TO REMAIN
	EXISTING FLUORESCENT FIXTURE-REMOVE
	EXISTING INCANDESCENT FIXTURE-TO REMAIN
	EXISTING INCANDESCENT FIXTURE-REMOVE
	EXISTING OUTLET-TO REMAIN
	EXISTING RECEPTACLE OUTLET-TO REMAIN
	EXISTING RECEPTACLE OUTLET-REMOVE
	EXISTING CONDUIT AND CONDUCTORS-TO REMAIN UNLESS OTHERWISE NOTED
	EXISTING CONDUIT AND CONDUCTORS-REMOVE
	EXISTING SWITCH-TO REMAIN
	EXISTING SWITCH-REMOVE
	EXISTING JUNCTION BOX-TO REMAIN
	EXISTING JUNCTION BOX-REMOVE

GRAPHIC SYMBOLS FOR ELECTRICAL DIAGRAMS

SYMBOL	DESCRIPTION
	CIRCUIT BREAKER, SINGLE-POLE
	CIRCUIT BREAKER, DOUBLE-POLE
	CIRCUIT BREAKER, THREE-POLE
	GFCI CIRCUIT BREAKER, WITH GROUND FAULT CIRCUIT INTERRUPTER
	CIRCUIT BREAKER, SINGLE-POLE, SWITCHED NEUTRAL
	CONTACT, NORMALLY OPEN
	CONTACT, NORMALLY CLOSED
	CONTACT, NORMALLY OPEN, TIME DELAY CLOSING ON DE-ENERGIZING
	CONTACT, NORMALLY OPEN, TIME DELAY OPENING ON DE-ENERGIZING
	CONTACT, NORMALLY OPEN, TIME DELAY CLOSING ON ENERGIZING
	CONTACT, NORMALLY CLOSED, TIME DELAY OPENING ON ENERGIZING
	CONTACT, SINGLE-POLE, DOUBLE-THROW
	OPERATING COIL
	LIQUID LEVEL ACTUATED SWITCH, NORMALLY CLOSED
	LIQUID LEVEL ACTUATED SWITCH, NORMALLY OPEN
	PRESSURE ACTUATED SWITCH, NORMALLY CLOSED
	PRESSURE ACTUATED SWITCH, NORMALLY OPEN
	FLOW ACTUATED SWITCH, NORMALLY CLOSED
	FLOW ACTUATED SWITCH, NORMALLY OPEN
	TEMPERATURE ACTUATED SWITCH, NORMALLY CLOSED
	TEMPERATURE ACTUATED SWITCH, NORMALLY OPEN
	LIMIT SWITCH, NORMALLY CLOSED
	LIMIT SWITCH, NORMALLY OPEN
	PUSHBUTTON SWITCH, NORMALLY CLOSED
	PUSHBUTTON SWITCH, NORMALLY OPEN
	SWITCH, SINGLE-POLE
	SWITCH, SINGLE-POLE, DOUBLE-THROW
	SWITCH, DOUBLE-POLE
	SWITCH, DOUBLE-POLE, DOUBLE-THROW
	SWITCH, SINGLE-POLE, 3-POSITION
	THERMAL OVERLOAD
	FUSE
	RESISTOR
	VARIABLE RESISTOR
	TRANSFORMER WINDING
	GROUNDING ELECTRODE
	ENCLOSURE BOND
	PILOT LIGHT (A=AMBER, G=GREEN, R=RED)
	GENERATOR
	MOTOR
	FAN MOTOR

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Sbd	5724		46	70

Jaswinder S Gill 11-13-14
 REGISTERED ELECTRICAL ENGINEER DATE
 3-16-2015
 PLANS APPROVAL DATE

REG. PROFESSIONAL ENGINEER
 No. E 18551
 Exp. 12-31-16
 ELEC
 STATE OF CALIFORNIA

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CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: FRANCIS SOLICH
 Approval date: 01-02-15

DESIGN BY Farshad Tavatli CHECKED Jaswinder Gill	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 54M5724 POST MILE	PARADISE MAINTENANCE STATION	SHEET EE-01 OF
DETAILS BY Kathi Andreasen CHECKED Farshad Tavatli	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 3597 CONTRACT No.: 0R9604 PROJECT NUMBER & PHASE: 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY Farshad Tavatli CHECKED Jaswinder Gill					

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ABBREVIATIONS

A
 A AMPERES
 AC ALTERNATING CURRENT or ASPHALT CONCRETE
 A/C AIR CONDITIONING UNIT
 ACS AIR COMPRESSOR STARTER
 AFCI ARC FAULT CIRCUIT INTERRUPTER
 AI ANALOG INPUT
 AL ALARM LIGHT
 AO ANALOG OUTPUT
 Approx APPROXIMATE
 AR ALARM RESET
 AVC AIR VOLUME CONTROLLER

B
 BC BARE COPPER
 BD BUILDING DISCONNECT
 Bldg BUILDING
 BP BOOSTER PUMP
 Brk BREAKER

C
 C CONDUIT
 Cat CATEGORY
 CB CIRCUIT BREAKER
 CC CENTER CHANNEL LIGHT
 CCTV CLOSED CIRCUIT TELEVISION
 CD CONTROL DISCONNECT
 Ckt+ CIRCUIT
 CL CHAIN LINK
 C CENTER LINE
 Clr CLEAR or CLEARANCE
 CM CENTER MARGIN LIGHT
 CMS CHANGEABLE MESSAGE SIGN
 COMM COMMUNICATION
 Conc CONCRETE
 CR CONTROL RELAY
 CSW CURRENT SWITCH

D
 D DEPTH
 DC DIRECT CURRENT
 DI DIGITAL INPUT
 Dia DIAMETER
 DLC LOOP DETECTOR LEAD-IN CABLE
 DO DIGITAL OUTPUT
 DP DUPLEX PLUG RECEPTACLE
 DS DOOR SWITCH

E
 (E) EXISTING
 EB EASTBOUND
 EF EXHAUST FAN
 Elev ELEVATION
 EMS EXTINGUISHABLE MESSAGE SIGN

F
 F FUSE
 FG FINISH GRADE
 FL FAILURE LIGHT
 FLA FLASHER
 Flex FLEXIBLE CONDUIT
 FLS FLOW SWITCH
 FO FIBER OPTIC
 FR FAILURE RESET or FLAME RESISTANT
 FS FLOAT SWITCH

G
 G GROUND
 Ga GAUGE
 Galv GALVANIZED
 GFCI GROUND FAULT CIRCUIT INTERRUPTER
 GRS GALVANIZED RIGID STEEL

H
 hp HORSEPOWER
 HPS HIGH PRESSURE SODIUM

I
 IC IRRIGATION CONTROLLER
 ICC IRRIGATION CONTROLLER CABINET
 IR INDUCTION RELAY
 ISR INTRINSICALLY SAFE RELAY

J
 JB JUNCTION BOX

K
 kV KILOVOLT
 kVA KILOVOLT AMPERES
 kW KILOWATT

L
 L LIGHT or LENGTH
 LC LIGHTING CONTACTOR
 LCD LIQUID CRYSTAL DISPLAY
 LCP LIGHTING CONTROL PANEL
 LD LIGHT DISCONNECT
 LDCI LEAK DETECTOR CIRCUIT INTERRUPTER
 LDS LEAK DETECTOR SENSOR
 LED LIGHT EMITTING DIODE
 LL LIQUID LEVEL RELAY
 LLC LIQUID LEVEL CONTROLLER
 LP LIGHT PANEL
 LPS LOW PRESSURE SODIUM
 LS LIGHT SWITCH
 LT LIGHT TRANSFORMER
 LTO LIGHT TRANSFORMER OVERLOAD

M
 Max MAXIMUM
 MB MAIN BREAKER
 MC METALLIC CONDUIT
 MCP MOTOR CIRCUIT PROTECTOR
 MCC MOTOR CONTROL CENTER
 MD MOTOR DISCONNECT
 MH MOUNTING HEIGHT
 Min MINIMUM
 Misc MISCELLANEOUS
 MSB MAIN SWITCHBOARD
 MT EMPTY CONDUIT

N
 (N) NEW
 Nav NAVIGATIONAL LIGHTS
 NB NEUTRAL BUS or NORTHBOUND
 NC NORMALLY CLOSED
 No. NUMBER
 Nos. NUMBERS
 NO NORMALLY OPEN
 NSW NEUTRAL SWITCHING BREAKER

O
 O/C ON CENTER
 OG ORIGINAL GROUND
 OH OVERHEAD
 OL OVERLOAD

P
 P POLE (CIRCUIT BREAKER)
 PB PULL BOX or PUSHBUTTON
 PCC PORTLAND CONCRETE CEMENT
 PCP PUMP CONTROL PANEL
 PD PUMP DISCONNECT
 PEC PHOTOELECTRIC CONTROL
 PEU PHOTOELECTRIC UNIT
 PFR PHASE FAILURE RELAY
 PFRD PHASE FAILURE RELAY DISCONNECT
 P PLATE
 PL PILOT LIGHT
 PS POWER SUPPLY
 PTS POWER TRANSFER SWITCH
 PV PHOTOVOLTAIC
 PVC POLYVINYL CHLORIDE

R
 RD RECEPTACLE DISCONNECT
 RES RESISTOR
 Rm ROOM
 RSC RADIO TERMINAL BOARD
 RTB RIGID STEEL CONDUIT
 R/W RIGHT OF WAY

S
 S STARTER COIL
 Sch SCHEDULE
 SD SERVICE DISCONNECT
 Sec SECONDS
 SFR SEAL FAILURE RELAY
 SL SUMP LIGHT
 SPR STANDBY POWER RECEPTACLE
 Sq SQUARE
 SS SELECTOR SWITCH
 ST STARTER
 Std STANDARD
 SV SOLENOID VALVE
 SWIM SLOW WEIGH-IN-MOTION

T
 TB TERMINAL BLOCK
 TC TELEPHONE CABLE
 TDR TIME DELAY RELAY
 TGLS TOGGLE SWITCH
 TLS TANK LEVEL SENSOR
 TM TIME METER
 Tot TOTAL
 TS TIMER SWITCH
 TS TUBE STEEL
 TSW TEST SWITCH
 TTB TELEPHONE TERMINAL BOARD
 Typ TYPICAL

U
 UPS UNINTERRUPTIBLE POWER SUPPLY

V
 V VOLT(S)
 Var VARIABLE or VARIES

W
 W WATT or WIDTH
 WB WESTBOUND
 WIM WEIGH-IN-MOTION
 WLS WATER LEVEL SWITCH
 WP WEATHERPROOF
 WSMS WEIGH STATION MESSAGE SIGN

X
 XFMR TRANSFORMER

SYMBOLS
 ∠ ANGLE
 @ AT
 ° DEGREES
 Δ DELTA
 Ω OHM(S)
 ∅ PHASE
 ± PLUS OR MINUS
 # NUMBER

CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: FRANCIS SOLICH
 Approval date: 01-02-15

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		47	70

Jaswinder S Gill 11-13-14
 REGISTERED ELECTRICAL ENGINEER DATE
 3-16-2015
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 No. E 18551
 Exp. 12-31-16
 ELEC
 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.

PROJECT NOTES

1. Separate grounded (Neutral) conductor must be used for each 120-volt circuit.
2. Homeruns to Panelboards must be installed as shown on the plans. Homeruns must not be combined.
3. A single insulated equipment grounding conductor, sized as required, must be installed in each conduit run.

STANDARD PLANS

- Dated 2010
- ES-4C
 - ES-4E
 - ES-5A
 - ES-5B
 - ES-5D
 - ES-5E

DESIGN BY Farshad Tavatli	CHECKED Jaswinder Gill	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 54M5724	PARADISE MAINTENANCE STATION NOTES AND ABBREVIATIONS	SHEET EE0-2
DETAILS BY Kathi Andreasen	CHECKED Farshad Tavatli			POST MILE		
QUANTITIES BY Farshad Tavatli	CHECKED Jaswinder Gill					
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT: 3597 CONTRACT No.: 0R9604 PROJECT NUMBER & PHASE: 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	

TAEWW Imperial - CCSC Rev. 02/13
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CERTIFICATE OF COMPLIANCE (Page 1 of 4) OLTG-1C

Project Name: PARADISE MAINTENANCE STATION	Date: 11-13-14
Project Address: 6690 La Contenta Rd Yucca Valley, CA 93384	Total Hardscape Illuminated Area: 17,482 SQFT

General Information

Phase of Construction: New Construction Addition Alteration

Documentation Author's Declaration Statement
 • I Certify that this Certificate of Compliance documentation is accurate and complete.

Name: **Farshad Tavatli** Signature: *Farshad Tavatli*

Company: **Caltrans** Date: **7-12-13**

Address: **1801 30th Street** If applicable: CEA # CEPE #

City/State/Zip: **Sacramento, CA 95816** Phone: **(916) 227-8346**

Principal Lighting Designer's Declaration Statement

- I am eligible under Division 3 of the California Business and Professions Code to accept responsibility for the lighting design.
- This Certificate of Compliance identifies the lighting features and performance specification required for compliance with Title 24, Pages 1 and 6 of the California Code of Regulations.
- The design features represented on this Certificate of Compliance are consistent with the information provided to document this design on the other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

Name: **Jaswinder Gill** Signature: *Jaswinder S Gill*

Company: **Caltrans** Phone: **(916) 227-9492**

Address: **1801 30th Street** License # **E 18551**

City/State/Zip: **Sacramento, CA 95816** Date: **Exp. 12-31-16**

Principal Lighting Designer's Declaration

I Certify that this Certificate of Compliance documentation is accurate and complete, and accounts for all outdoor lighting power, including building mounted, pole mounted, as well as all other outdoor lighting designed for the site, and that Additional Lighting Power Allowances for Specific Applications or Additional Lighting Power Allowances for Ordinance Requirements have not been counted more than one time for the same area, in Accordance with Section 147 of the Standards.

Outdoor Lighting Mandatory Measures
 Indicate location on building plans of Mandatory Measures Note Block: **EE0-3**

LIGHTING COMPLIANCE FORMS & WORKSHEETS (check box if worksheet is included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.

- OLTG-1C Certificate of Compliance. All 4 pages required on plans for all submittal.
- OLTG-2C (Page 1 of 3) Lighting Wattage Allowances for General Hardscape, Sales Frontage, or Ornamental Lighting. Optional on plans.
- OLTG-2C (Page 2 of 3) Lighting Wattage Allowances for Per Application or Per Area. Optional on plans.
- OLTG-2C (Page 3 of 3) Additional Lighting Power Allowance for Ordinance Requirements. Optional on plans.

2008 Nonresidential Compliance Forms July 2010

GENERAL NOTES:
 Forms OLTG-1-C, Page 1 of 4 and 4 of 4 are shown on this sheet.
 Other checked forms are available upon request.

CERTIFICATE OF COMPLIANCE (Page 2 of 4) OLTG-1C

COMPLIANCE FIXTURE/LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST

Project Name: **PARADISE MAINTENANCE STATION** Date: **11-13-14**

INSTALLATION CERTIFICATE, OLTG-1-INST (Retain a copy and verify form is completed and signed.) Field Inspection

CERTIFICATE OF ACCEPTANCE, OLTG-2A (Retain a copy and verify form is completed and signed.) Field Inspection

Luminaire Schedule					Installed Watts					
A	B	C	D	E	F		G	H	I	
Name Or Item Tag	Luminaire Description See footnote below (i.e., lamp pole-top shoe-box 400 watt metal halide)	Cutoff Designation	Watts per 1 Luminaire	Special Features	How wattage was determined		Number of Luminaires	Installed Watts (D x G)	Pass	Fail
					Default from NA-8	According to S 130 (a or e)				
L3	Surface, integral motion sensor, LED	FC	200	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10	2000	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
Enter total into OLTG-1C; Page 4 of 4; Row H; Total Installed Watts:								2,000		

- Type of luminaire (i.e.: post top, wall pack, surface, shoe box); for non-incandescent luminaires, indicate nominal lamp wattage and lamp type (i.e.: fluorescent incandescent, HID); ballast type (i.e.: electronic or magnetic); number of lamps and number of ballast per luminaire. For incandescent luminaires the luminaire wattage listed in column D shall be the maximum relamping rated wattage on a permanent factory-installed label on the luminaire. NOT the wattage of the lamp (bulb) used, in accordance with Section 130 (d or e).
- If Fail then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

EXEMPT LUMINAIRES

Name or Symbol	Description of exempt luminaires in accordance with S 147

MANDATORY CONTROLS

#	Description	Location	#	Description	Location
1	PEU, motion sensor, TS	Vehicle Rinse Facility canopy			
2	PEU, motion sensor	Fuel Island canopy			

SPECIAL FEATURES INSPECTION CHECKLIST (See Page 2 of 4 of OLTG-1C)

The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies base on the adequacy of the special justification and documentation submitted.

80% of load shedding is achieved for all of the Vehicle Rinse Facility and Fuel Island canopy lights by dimming the lights to 80% capacity if no motion is detected, using the integrated motion sensor on each fixture.

Field Inspector Notes or Discrepancies:

2008 Nonresidential Compliance Forms July 2010

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Sbd	5724		48	70

Jaswinder S Gill 11-13-14
 REGISTERED ELECTRICAL ENGINEER DATE

3-16-2015
 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.

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: *Francis Solich*
 FRANCIS SOLICH
 Approval date: 01-02-15

CALIFORNIA ENERGY COMMISSION MANDATORY MEASURES:

VEHICLE RINSE FACILITY CANOPY, & FUEL ISLAND CANOPY

- Photoelectric Sensor.
- Integral motion sensor to dim light output to 80% if no motion detected.

DESIGN BY Farshad Tavatli CHECKED Jaswinder Gill		BRIDGE No. 54M5724	PARADISE MAINTENANCE STATION TITLE 24 COMPLIANCE SHEET 1 OF 2	SHEET EE0-3
DETAILS BY Kathi Andreasen CHECKED Farshad Tavatli		POST MILE		
QUANTITIES BY Farshad Tavatli CHECKED Jaswinder Gill				
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 3597 CONTRACT No.: 0R9604 PROJECT NUMBER & PHASE: 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

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CERTIFICATE OF COMPLIANCE (Page 3 of 4) OLTG-1C

Project Name: **PARADISE MAINTENANCE STATION** Date: **11-13-14**

A. OUTDOOR LIGHTING ZONE

OUTDOOR LIGHTING ZONE: OLZ 1 OLZ 2 OLZ 3 OLZ 4

Is the Outdoor Lighting Zone: Default in accordance with S 10-114, or Amended by JHA

Complete the information below if the default Outdoor Lighting Zone has been amended by the local jurisdiction having authority (JHA):

- The site is a government designated park, recreation area, wildlife preserve, or portion thereof, and has been designated as LZ2 or LZ3, in accordance with Table 10-114-A, because the site is contained within such a zone.
- The local jurisdiction having authority has officially adopted a change to the State Default Lighting Zone and has notified the Energy Commission by providing the materials required in S 10-114(d) to the Executive Director.
- The adopted change is posted on the Energy Commission website.

B. ADDITIONAL LIGHTING POWER ALLOWANCE FOR ORDINANCE REQUIREMENTS

Are additional lighting power allowances for ordinance in Table 147-C used? Yes No

Complete the information below if the additional lighting power allowances for ordinance requirements are used:

- The local jurisdiction having authority has officially adopted specific outdoor light levels, which are expressed as average or minimum footcandle levels, by following a public process that allowed for formal public notification, review, and comment about the proposed change.
- The local jurisdiction having authority which adopted specific outdoor light levels and has notified the Commission by providing the following materials required S 10-114(f) to the Executive Director.

C. ACCEPTANCE FORMS

Required Acceptance Tests

Designer:

This form is to be used by the designer and attached to the plans. Listed below is the acceptance tests for the Lighting system, OLTG-2A. The designer is required to check the acceptance tests and list all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance. If all the lighting system or control of a certain type requires a tests, list the different lighting and the number of systems. The NA7 Section in the Appendix of the Nonresidential Reference Appendices Manual describes the test. Since this form will be a part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately. Forms can be grouped by type of Luminaire controlled.

Enforcement Agency:

Systems Acceptance. Before Occupancy Permit is granted for a newly constructed building or space or when ever new lighting system with controls is installed in the building or space shall be certified as meeting the Acceptance Requirements. The OLTG-2A form is not considered a complete form and is not to be accepted by the enforcement agency unless the boxes are checked and/or filled and signed. In addition, a Certificate of Acceptance forms shall be submitted to the enforcement agency that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of S 10-103(b) of Title 24 Part 6. The field inspector must receive the properly filled out and signed forms before the building can receive final occupancy. A copy of the OLTG-2A for each different lighting luminaire control(s) must be provided to the owner of the building for their records.

Certificate of Acceptance

Luminaires Controlled				OLTG-2A ¹
Equipment Requiring Testing	Description	Number of Like Controls	Location	Outdoor Lighting Acceptance Tests
Motion sensor	Integral to each fixture	10	Vehicle Rinse Facility canopy, Fuel Island canopy	OMS
Photocell	Remote photocell	2	Vehicle Rinse Facility canopy, Fuel Island canopy	OP

1. Insert: OMS for Outdoor Motion Sensor; OLSC for Outdoor Lighting Shutoff Controls; OP for Outdoor Photocontrol; ATS for Astronomical Time Switch; and, STS for Standard (non-astronomical) Time Switch acceptance.

2008 Nonresidential Compliance Forms

July 2010

CERTIFICATE OF COMPLIANCE (Page 4 of 4) OLTG-1C

COMPLIANCE FIXTURE/LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST

Project Name: **PARADISE MAINTENANCE STATION** Date: **11-13-14**

ALLOWED AND INSTALLED OUTDOOR LIGHTING POWER

		Lighting Wattage Power Allowance
A	Lighting power allowance for general hardscape (from OLTG-2C Page 1 of 3)	2,824
B	Specific application lighting wattage allowance per unit length (from OLTG-2C Page 1 of 3)	
C	Specific application wattage allowance for ornamental lighting (from OLTG-2C Page 1 of 3)	
D	Specific application wattage allowance per application (from OLTG-2C Page 2 of 3)	
E	Specific application lighting wattage allowance per area (from OLTG-2C Page 2 of 3)	
F	Additional lighting power allowance for ordinance requirements (from OLTG-2C Page 3 of 3)	
G	Total Allowed Wattage = Sum of rows A through F:	2840
H	Total installed Watts (from Luminaire Schedule, (from OLTG-1C (Page 2 of 4)	2,000
Provided that the lighting wattage power allowance listed in rows A through F are identical to the lighting wattage power allowance taken from OLTG-2C pages 1 through 3, complies if installed Wattage in row H is less than or equal to the Total Installed Wattage in row G		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

NOTES:

2008 Nonresidential Compliance Forms

July 2010

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Sbd	5724		49	50

Jaswinder S Gill 11-13-14
 REGISTERED ELECTRICAL ENGINEER DATE
 3-16-2015
 PLANS APPROVAL DATE
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CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: *[Signature]*
 FRANCIS SOLICH
 Approval date: 01-02-15

DESIGN	BY Farshad Tavatli	CHECKED Jaswinder Gill
DETAILS	BY Kathi Andreasen	CHECKED Farshad Tavatli
QUANTITIES	BY Farshad Tavatli	CHECKED Jaswinder Gill

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 54M5724
 POST MILE

PARADISE MAINTENANCE STATION
 TITLE 24 COMPLIANCE SHEET 2 OF 2

SHEET E0-4 OF

GENERAL NOTES:

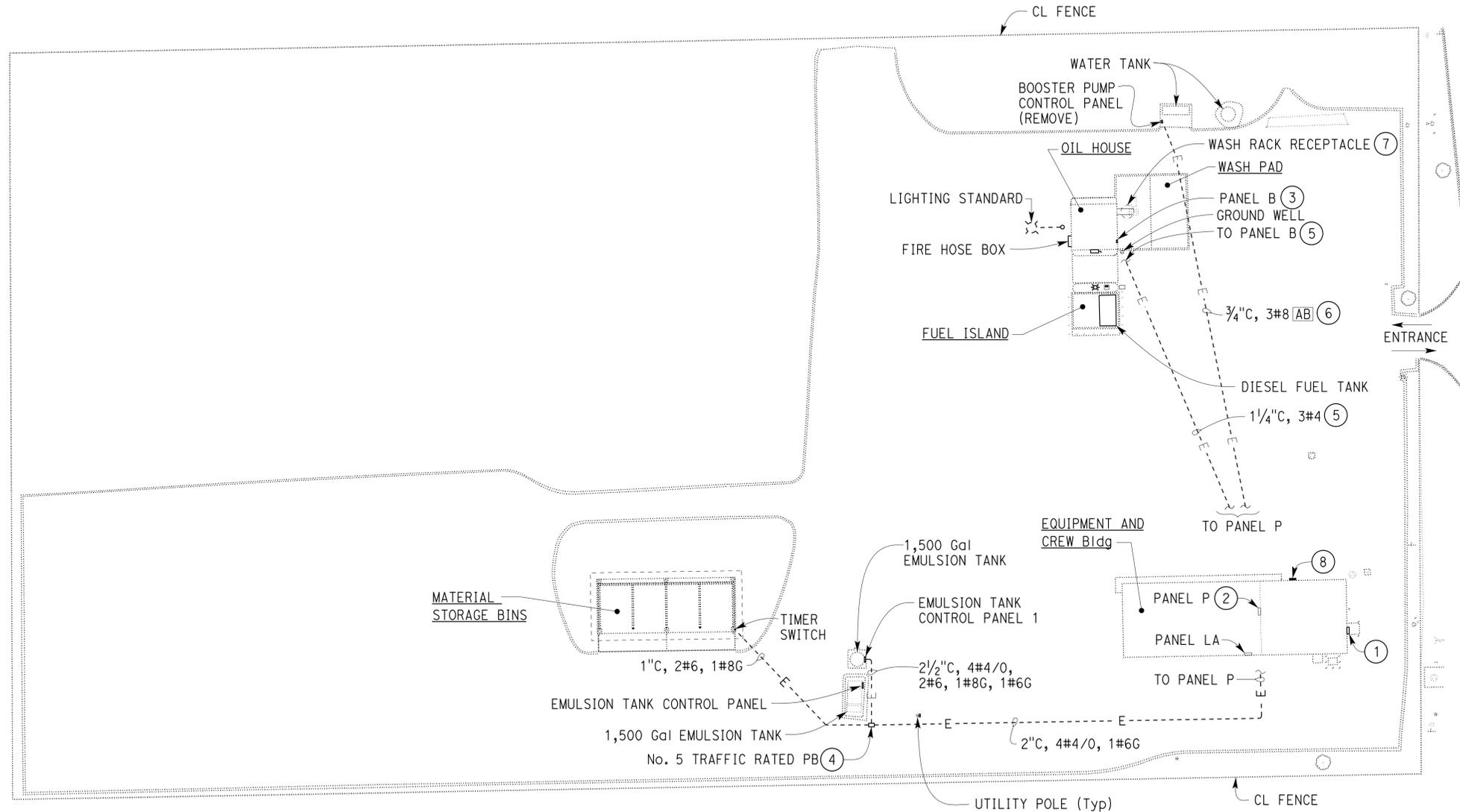
- A. Underground electrical conduit and conductor system as shown is diagrammatic, and their location as shown is approximate only.
- B. Not all underground utilities are shown.

CALIFORNIA STATE FIRE MARSHAL
APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: *[Signature]*
FRANCIS SOLICH
 Approval date: 01-02-15

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		50	70

Jaswinder S Gill 11-13-14
 REGISTERED ELECTRICAL ENGINEER DATE
 3-16-2015
 PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
 Jaswinder Gill
 No. E 18551
 Exp. 12-31-16
 ELEC
 STATE OF CALIFORNIA



- NOTES:
- ① Service pedestal with metering equipment and 300-ampere, 120/240-volt, 3-phase, 4-wire delta service disconnect.
 - ② Panel P is Zinsco, 120/240-volt, 3-phase, 4-wire panelboard with a 300-ampere main disconnect.
 - ③ Panel B is Zinsco, Catalog #AJ42803, 120/240-volt, single-phase, 3-wire panelboard, with 100-ampere main disconnect.
 - ④ Replace existing broken pull box with new No.6 traffic-rated pull box. Protect existing conduits and conductors.
 - ⑤ Protect existing conduits, conductors, and Control Panel during demolition.
 - ⑥ Remove conductors from circuit breaker (P5-7-9) inside Panel P and mark circuit breaker as "SPARE". Abandon underground conduit and remove exposed portion of conduit inside Equipment and Crew Building.
 - ⑦ Wash Rack receptacle fed from Panel B, circuit breaker #3. Rename panel directory to "DUPLEX RECEPTACLE OUTSIDE".
 - ⑧ Wireless Signal Receiver, communicating with the existing fuel control terminal.

SITE PLAN

1" = 30'



THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN SUPERVISOR <i>[Signature]</i> DESIGN ENGINEER <i>[Signature]</i>	DESIGN BY	Farshad Tavatli	CHECKED	Jaswinder Gill	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	54M5724	PARADISE MAINTENANCE STATION EXISTING SITE PLAN	SHEET	OF
	DETAILS BY	Kathi Andreasen	CHECKED	Farshad Tavatli			POST MILE				E00-5
	QUANTITIES BY	Farshad Tavatli	CHECKED	Jaswinder Gill							

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 UNIT: 3597 CONTRACT No.: 0R9604 PROJECT NUMBER & PHASE: 08120002231
 DISREGARD PRINTS BEARING EARLIER REVISION DATES
 REVISION DATES (PRELIMINARY STAGE ONLY): 07-16-13, 07-26-13, 11-13-14
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GENERAL NOTES:

- A. The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
- B. Saw cut existing pavement for underground conduit installation work. Patch damaged surfaces to match existing.
- C. Unless otherwise noted, all new pull boxes shown are traffic rated No. 5 pull boxes.
- D. Core drill hole in existing wall for conduit entry as needed.
- E. Provide sealant around opening as required.

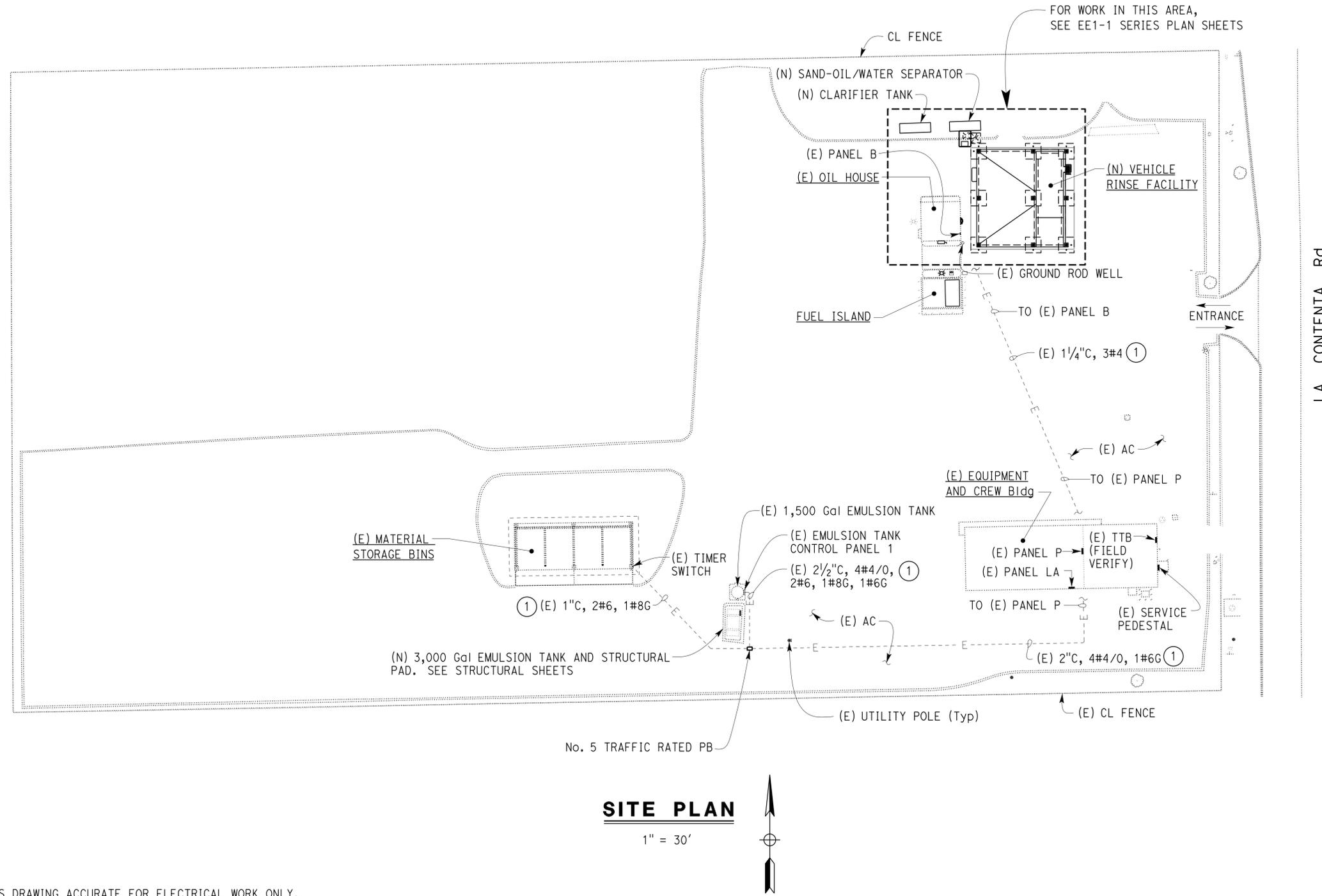
CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: FRANCIS SOLICH
 Approval date: 01-02-15

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		51	70

Jaswinder S Gill 11-13-14
 REGISTERED ELECTRICAL ENGINEER DATE
 3-16-2015
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Jaswinder Gill
 No. E 18551
 Exp. 12-31-16
 ELEC
 STATE OF CALIFORNIA

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- NOTES:
- 1 Contractor to verify the exact location of the existing conduits. Protect these conduits during construction. Any damage to existing conduit and conductor system during construction must be corrected by Contractor at no extra cost.

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN BY: Farshad Tavatli	CHECKED: Jaswinder Gill	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 54M5724	PARADISE MAINTENANCE STATION MODIFIED SITE PLAN	SHEET EE0-6	
DETAILS BY: Kathi Andreasen	CHECKED: Farshad Tavatli			POST MILE		REVISION DATES (PRELIMINARY STAGE ONLY)	OF
QUANTITIES BY: Farshad Tavatli	CHECKED: Jaswinder Gill			UNIT: 3597 CONTRACT No.: 0R9604 PROJECT NUMBER & PHASE: 08120002231		DISREGARD PRINTS BEARING EARLIER REVISION DATES	07-16-13 07-29-13 11-13-14

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEWW Imperial - CCSC Rev. 02/13

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GENERAL NOTES:

- A. All fixtures shall be warranted for minimum of 5 years.
- B. For California Energy Commission Mandatory measures, see sheet EE0-3.
- C. All fixtures shall be UL listed for wet location.

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		52	70

Jaswinder S Gill 11-13-14
 REGISTERED ELECTRICAL ENGINEER DATE

3-16-2015
 PLANS APPROVAL DATE

Jaswinder Gill
 No. E 18551
 Exp. 12-31-16
 ELEC
 STATE OF CALIFORNIA

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LIGHTING FIXTURE SCHEDULE						
MANUFACTURER	TYPE	LAMP	Max INPUT WATTS	VOLTS	CONTROLS	DESCRIPTION
GARCO EMCO ELG SERIES, BETA LED "PKG 304" SERIES, OR EQUAL	L1	LED ARRAY	200 W	120 V	INTEGRAL MOTION SENSOR/FUSE. SEE NOTE 1. REMOTE PHOTOCELL.	SURFACE MOUNTED WITH CONSTRUCTION CHANNELS OUTDOOR LED LUMINAIRE, MAXIMUM 200 WATT LED ARRAY, TYPE FIVE MEDIUM DISTRIBUTION, FULL CUTOFF LUMINAIRE, 18,000 MINIMUM DELIVERED LUMENS AT 4000 DEGREE KELVIN AND WITH CRI OF AT LEAST 70. THE FIXTURE SHALL BE CONSTRUCTED FROM ONE-PIECE DIE-CAST, RUGGED ALUMINUM WITH INTEGRAL, WEATHERTIGHT LED ENGINE DRIVER COMPARTMENTS AND HIGH PERFORMANCE ALUMINUM HEATSINKS WITH INTEGRATED LENS. ALL EXPOSED DIE-CAST SURFACE SHALL HAVE A EPOXY PRIMER TO PROVIDE RESISTANCE TO CORROSION, AND WHITE POWDER TOPCOAT. LED ENGINE DRIVER SHALL BE UL LISTED, 277 V, 50,000 HOUR DESIGN LIFE, 0-10 V DIMMING, 0.9 MINIMUM POWER FACTOR, 5-YEAR WARRANTY, COMPLETE WITH INTERNAL THERMAL PROTECTION AND OVERLOAD PROTECTION. FIXTURES SHALL BE UL LISTED FOR WET LOCATION AND IP66 RATED. FIXTURES SHALL BE PROVIDED WITH BIRD GUARD OR BIRD SHROUD.

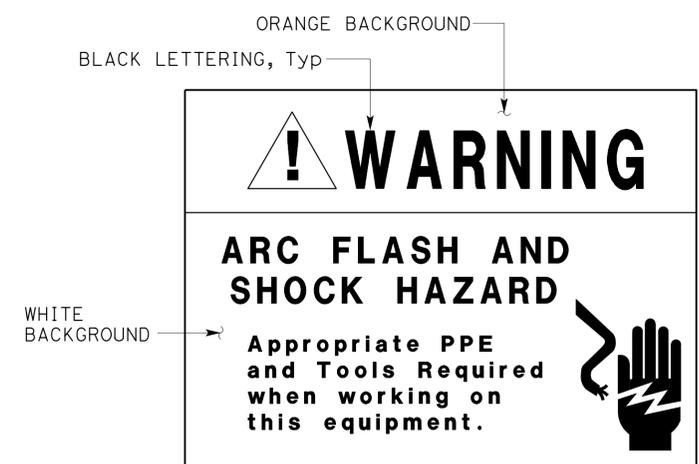
CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *Francis Solich*
 FRANCIS SOLICH
 Approval date: 01-02-15

NOTES:

- ① Integral motion sensor shall be a factory installed motion sensor in-built to the fixture housing, and uses passive infrared technology to detect motion. Motion sensor coverage shall be equal or greater than 2 mounting height diameter coverage, with a 360 degree circular pattern. Motion sensor shall dim the fixture light output by 80% when there is no motion detected.
- ② Cut existing conductors and use "Method B" to splice new conductors to existing as specified under Section 86-2.09E "Splice Insulation".



2 WARNING LABEL*
 NO SCALE

*Warning label must be constructed with high degree of chemical abrasion, heat resistance and UL recognized material.

DESIGN	BY	Farshad Tavatli	CHECKED	Jaswinder Gill	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	54M5724	PARADISE MAINTENANCE STATION LIGHTING SCHEDULE AND WIRING DIAGRAM	SHEET EE0-7	
	DETAILS	BY	Kathi Andreasen	CHECKED			Farshad Tavatli	POST MILE			
	QUANTITIES	BY	Farshad Tavatli	CHECKED			Jaswinder Gill				

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3

UNIT: 3597 CONTRACT No.: 0R9604 PROJECT NUMBER & PHASE: 08120002231

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

TAEWW Imperial - CCSC Rev. 02/13

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	5724		53	70

CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.	
Reviewed by:	 FRANCIS SOLICH Approval date: 01-02-15

Jaswinder S Gill REGISTERED ELECTRICAL ENGINEER DATE 11-13-14	
3-16-2015 PLANS APPROVAL DATE	

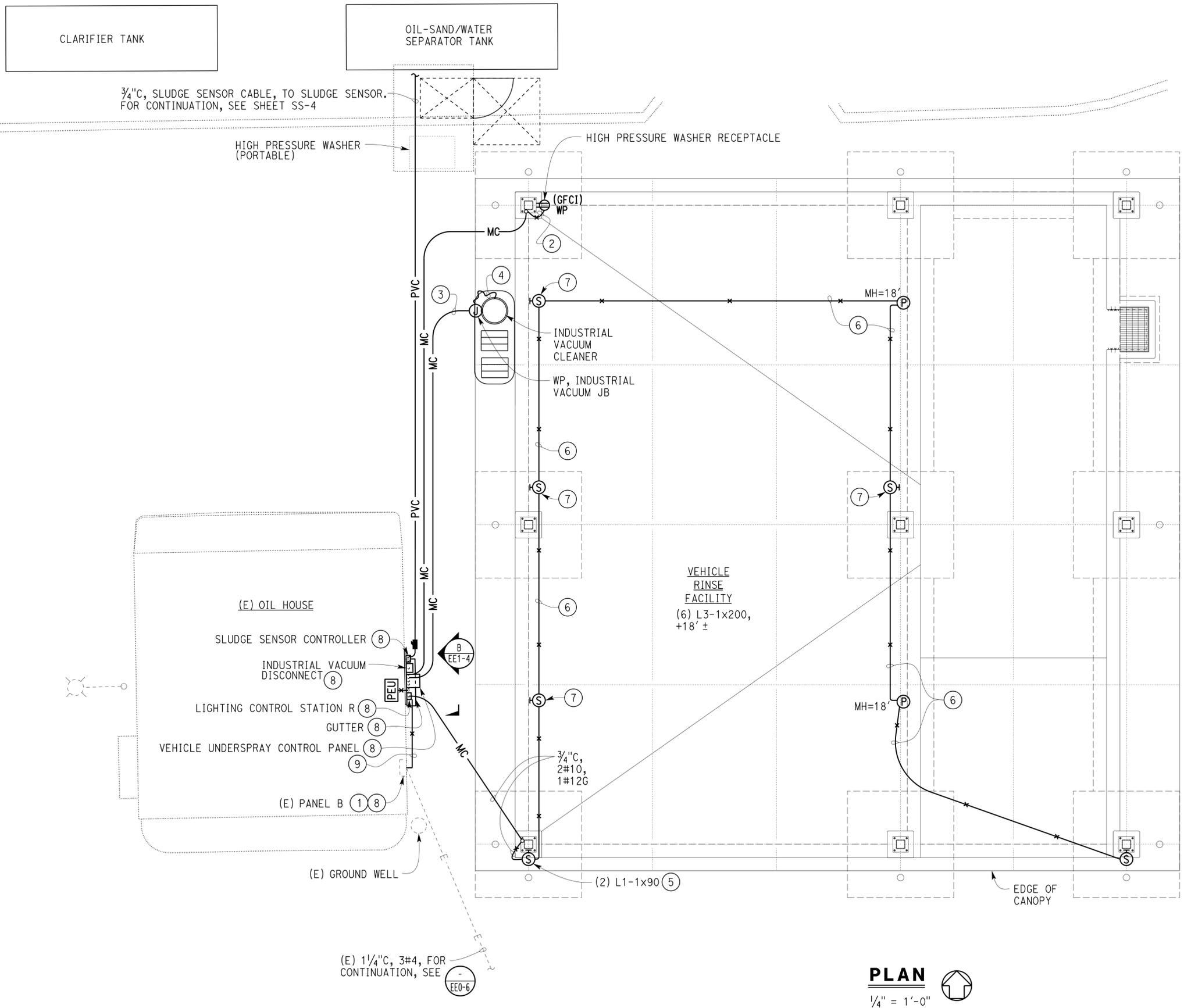
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GENERAL NOTES:

- A. Exact location of all electrical equipment such as receptacles shall be per Engineer's recommendation in the field.
- B. All exposed conduits must be 3/4" minimum RSC, unless otherwise noted.
- C. All junction boxes and outlet boxes must be weatherproof type, cast iron boxes.
- D. Mount switches and receptacles at +4'-10" above finish floor.
- E. All conduit fittings shall be weatherproof type.
- F. For "LIGHTING FIXTURE SCHEDULE", see sheet EE0-7.

NOTES:

- ① Perform the following inside existing Panel B:
 - a. Terminate 1#10 on existing circuit breaker #8, to feed the Vehicle Rinse Facility canopy lights.
 - b. Install 40A/2P circuit breaker in existing space #13-15 and terminate 2#8 conductors on the circuit breaker.
 - c. Terminate 1#10 conductor on existing 20A/1P circuit breaker #10.
 - d. Terminate 1#10 conductor on existing 20A/1P circuit breaker #12.
 - e. Install 20A/1P circuit breaker in existing space #14 and terminate 1#10 conductors on the circuit breaker.
 - f. Install a neutral bus and ground bus to terminate neutral and ground conductors as required.
 - g. Provide new typed panel directory.
- ② 1" C, 2#8, 1#10G, to high pressure washer receptacle. Mount receptacle at 4'-10" on structural steel column using construction channels and U-bolts.
- ③ 3/4" C, 4#10, 1#12G, to industrial vacuum. See Sanitary plan SS-9 for conduit and industrial vacuum junction box installation details. Coordinate conduit stub-up and junction box installation with the industrial vacuum manufacturer's recommendation.
- ④ 1/2" Liquidtight flexible metallic conduit, 4#10, 1#12G. Terminate conduit as recommended by the industrial vacuum manufacturer.
- ⑤ Mount fixtures at 18' on the structural steel column using construction channels and U-bolts.
- ⑥ 3/4" C, 2#10, 1#12G.
- ⑦ For fixture mounting, see "DETAIL 3" on sheet EE1-4.
- ⑧ For power distribution, see "WIRING DIAGRAM" on sheet EE1-4. Provide "warning label" on all electrical equipment. see sheet EE0-7 for label details.
- ⑨ - 1" C, 8#10, 1#12G.
- 1" C, 2#8, 1#10G.



PLAN
1/4" = 1'-0"

Farshad Tavatli BY: Kathi Andreasen CHECKED: Farshad Tavatli		Jaswinder Gill CHECKED: Farshad Tavatli		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN		BRIDGE No. 54M5724 POST MILE		PARADISE MAINTENANCE STATION VEHICLE RINSE FACILITY		POWER AND LIGHTING PLAN		SHEET EE1-1 OF	
Farshad Tavatli BY: Farshad Tavatli CHECKED: Jaswinder Gill		Farshad Tavatli BY: Farshad Tavatli CHECKED: Jaswinder Gill		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: 3597 CONTRACT No.: 0R9604 PROJECT NUMBER & PHASE: 08120002231		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF			

CLARIFIER TANK

OIL-SAND/WATER SEPARATOR TANK

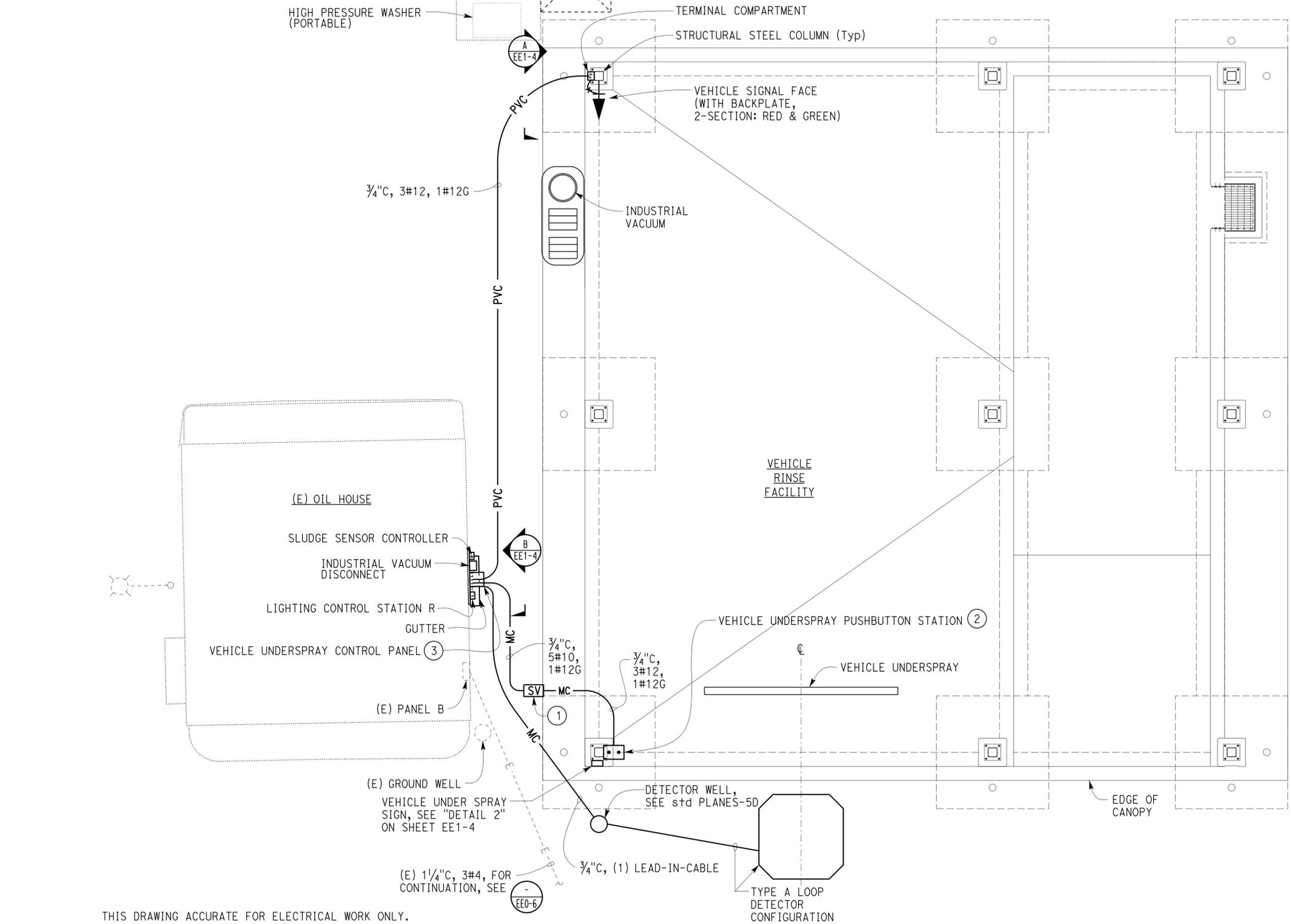
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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Sbd	5724		54	70

Jaswinder S Gill
 REGISTERED ELECTRICAL ENGINEER DATE 11-13-14
 3-16-2015
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Jaswinder Gill
 No. E 18551
 Exp. 12-31-16
 ELEC
 STATE OF CALIFORNIA

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- GENERAL NOTES:
- A. Exact location of all electrical equipment such as receptacles shall be per Engineer's recommendation in the field.
 - B. All exposed conduits must be 3/4" minimum RSC, unless otherwise noted.
 - C. All junction boxes and outlet boxes must be weatherproof type, cast iron boxes.
 - D. Mount switches and receptacles at +4'-10" above finish floor.
 - E. All conduit fittings shall be weatherproof type.

- NOTES:
- ① For conduit termination at solenoid valve, see Sanitary sheet SS-9.
 - ② For Vehicle Underspray Control Panel details and schematic, see sheet EE1-3.
 - ③ Mount pushbutton at 4'-10" on structural steel column using construction channels and U-bolts.

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN	BY Farshad Tavatli	CHECKED Jaswinder Gill
DETAILS	BY Kathi Andreasen	CHECKED Farshad Tavatli
QUANTITIES	BY Farshad Tavatli	CHECKED Jaswinder Gill

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

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

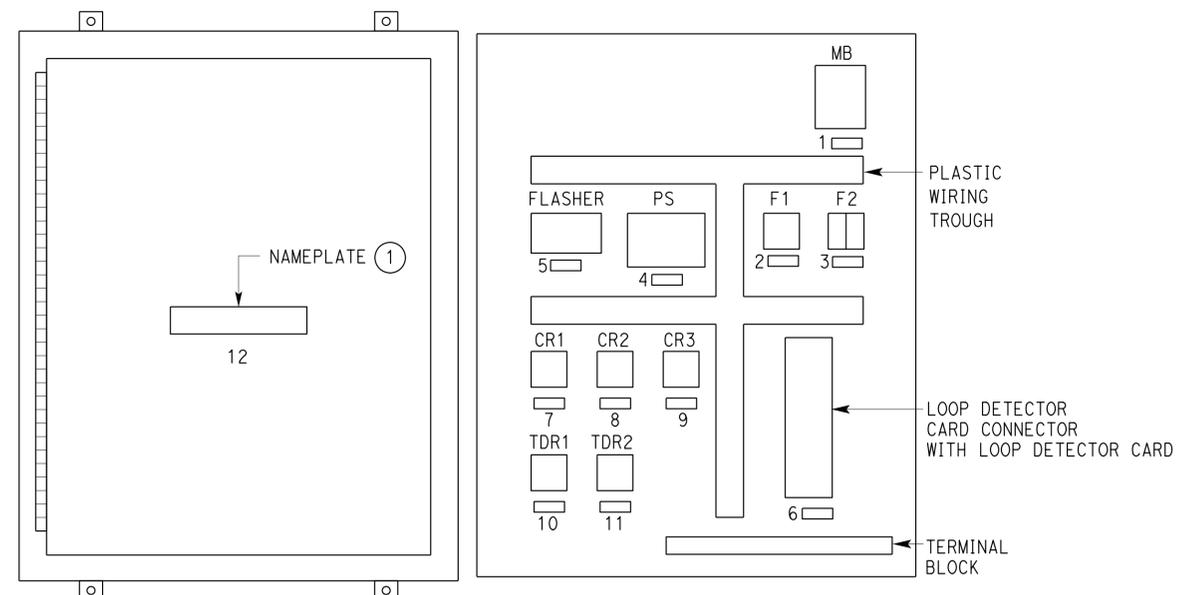
BRIDGE No. 54M5724
 POST MILE

PARADISE MAINTENANCE STATION
 VEHICLE RINSE FACILITY
 VEHICLE UNDERSPRAY PLAN

SHEET EE1-2 OF

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 FRANCIS SOLICH
 Approval date: 01-02-15

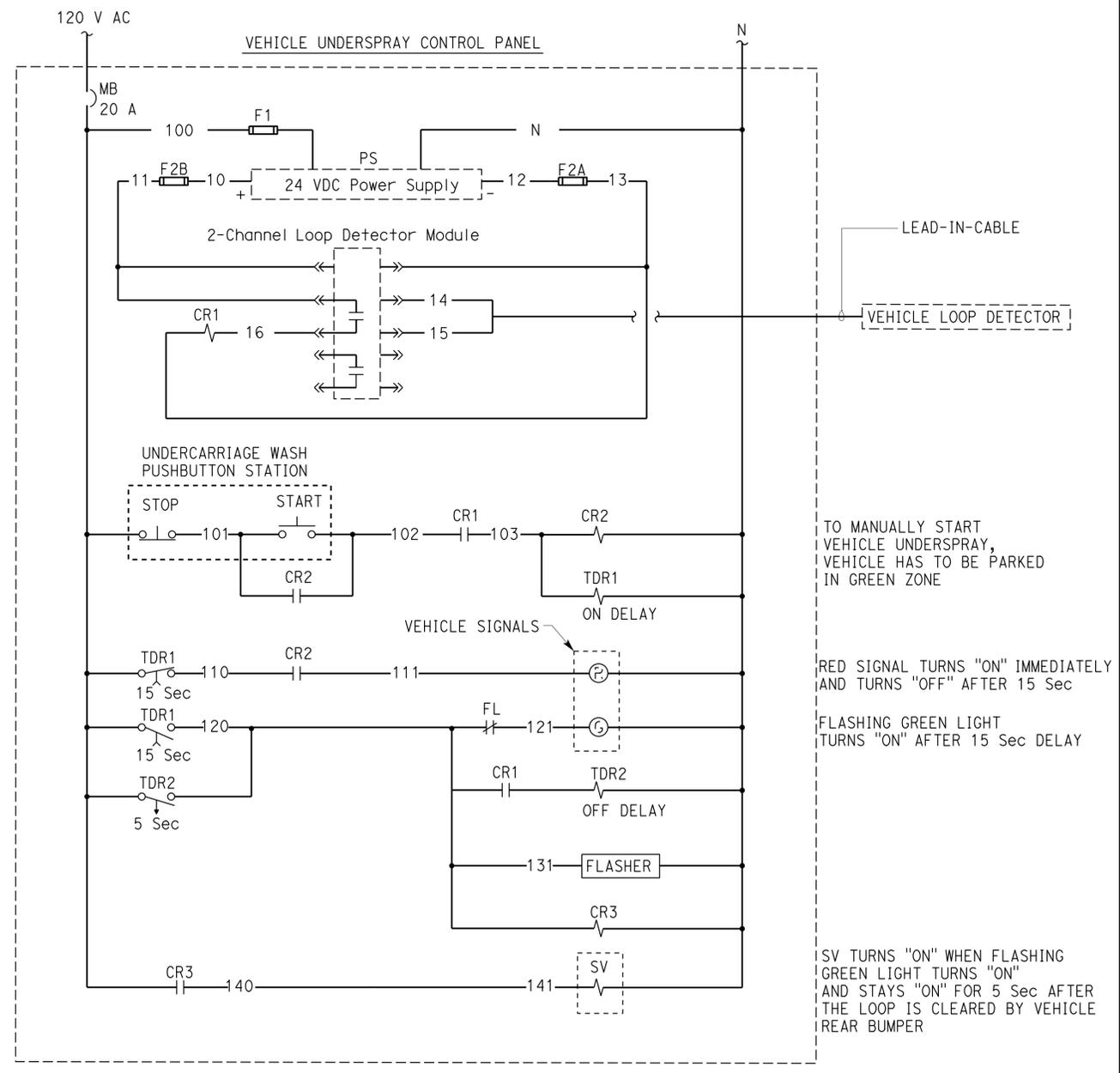
NAMEPLATE SCHEDULE		
ITEM No.	INSCRIPTION	LETTER HEIGHT
1	MAIN BREAKER	1/8"
2	F1	1/8"
3	F2	1/8"
4	24VDC PS	1/8"
5	FLASHER	1/8"
6	LOOP DETECTOR CARD	1/8"
7	CR1	1/8"
8	CR2	1/8"
9	CR3	1/8"
10	TDR1	1/8"
11	TDR2	1/8"
12	VEHICLE UNDERSPRAY CONTROL PANEL	1/4"



INTERIOR HINGED DOOR **PANEL MOUNTED EQUIPMENT**
VEHICLE UNDERSPRAY CONTROL PANEL

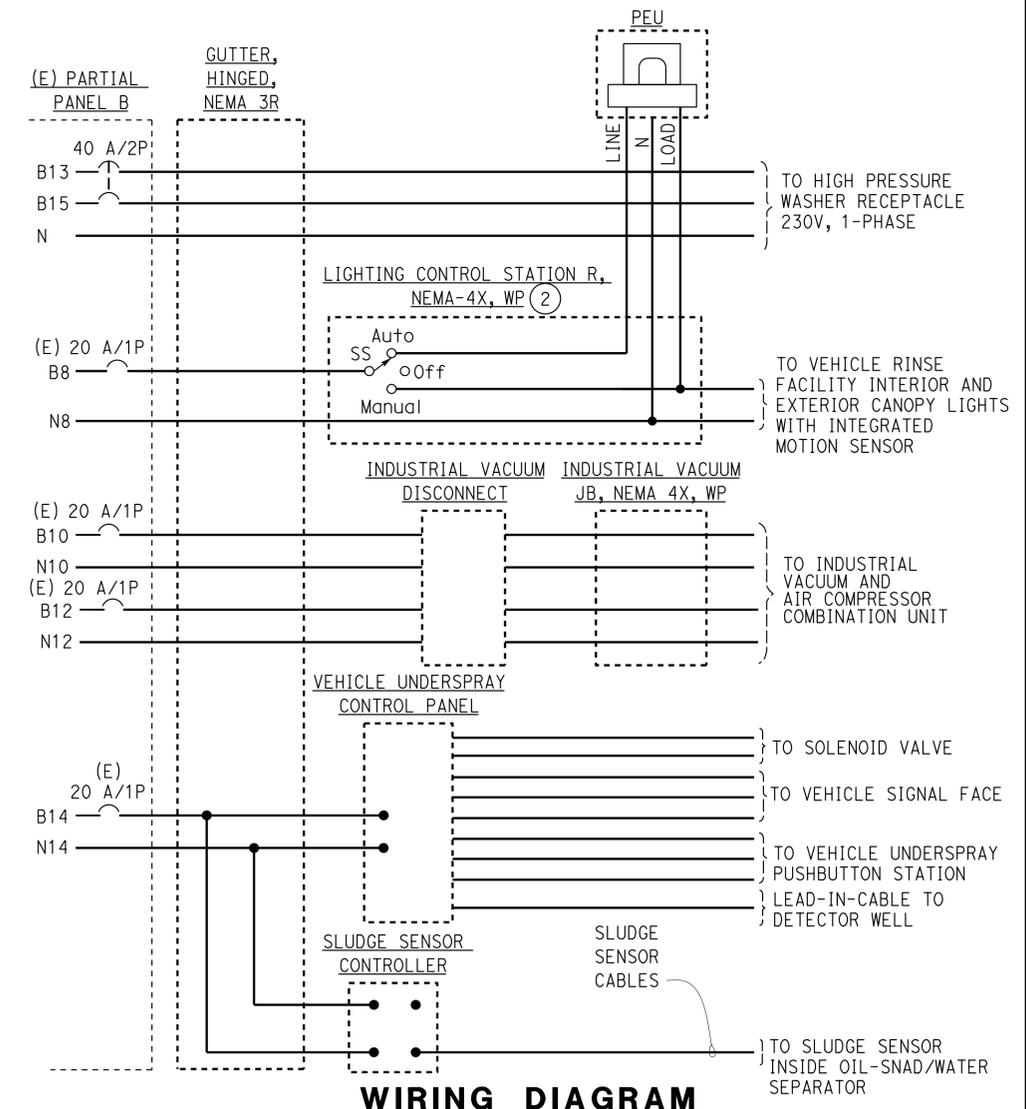
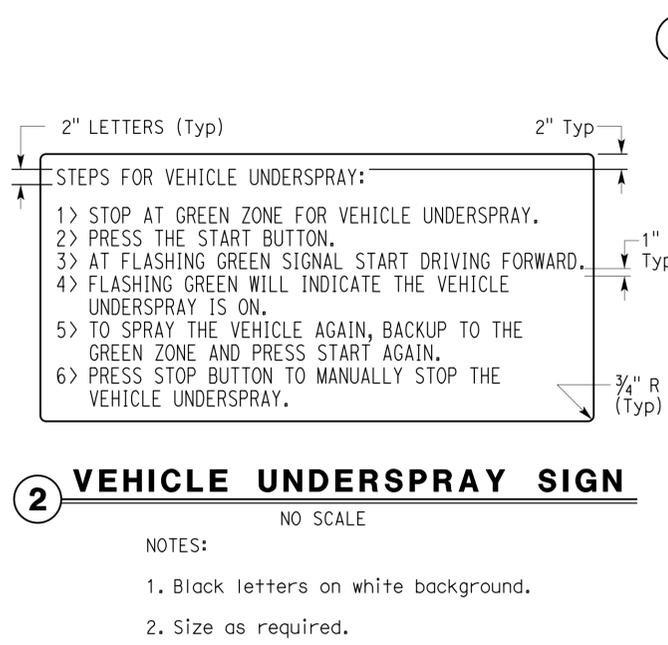
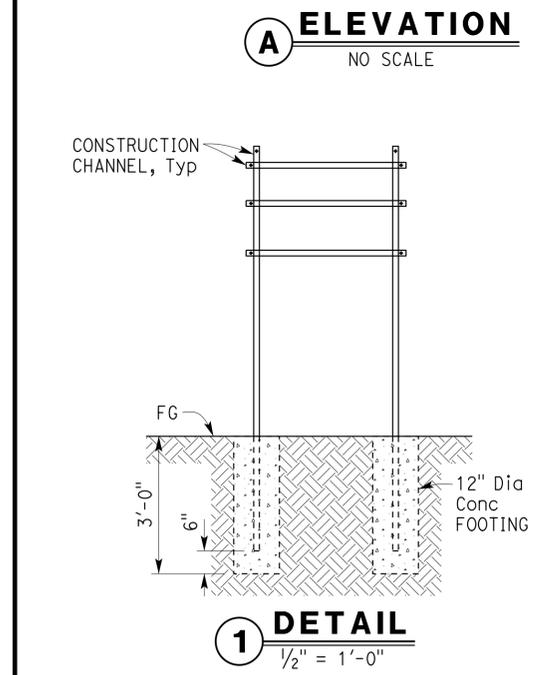
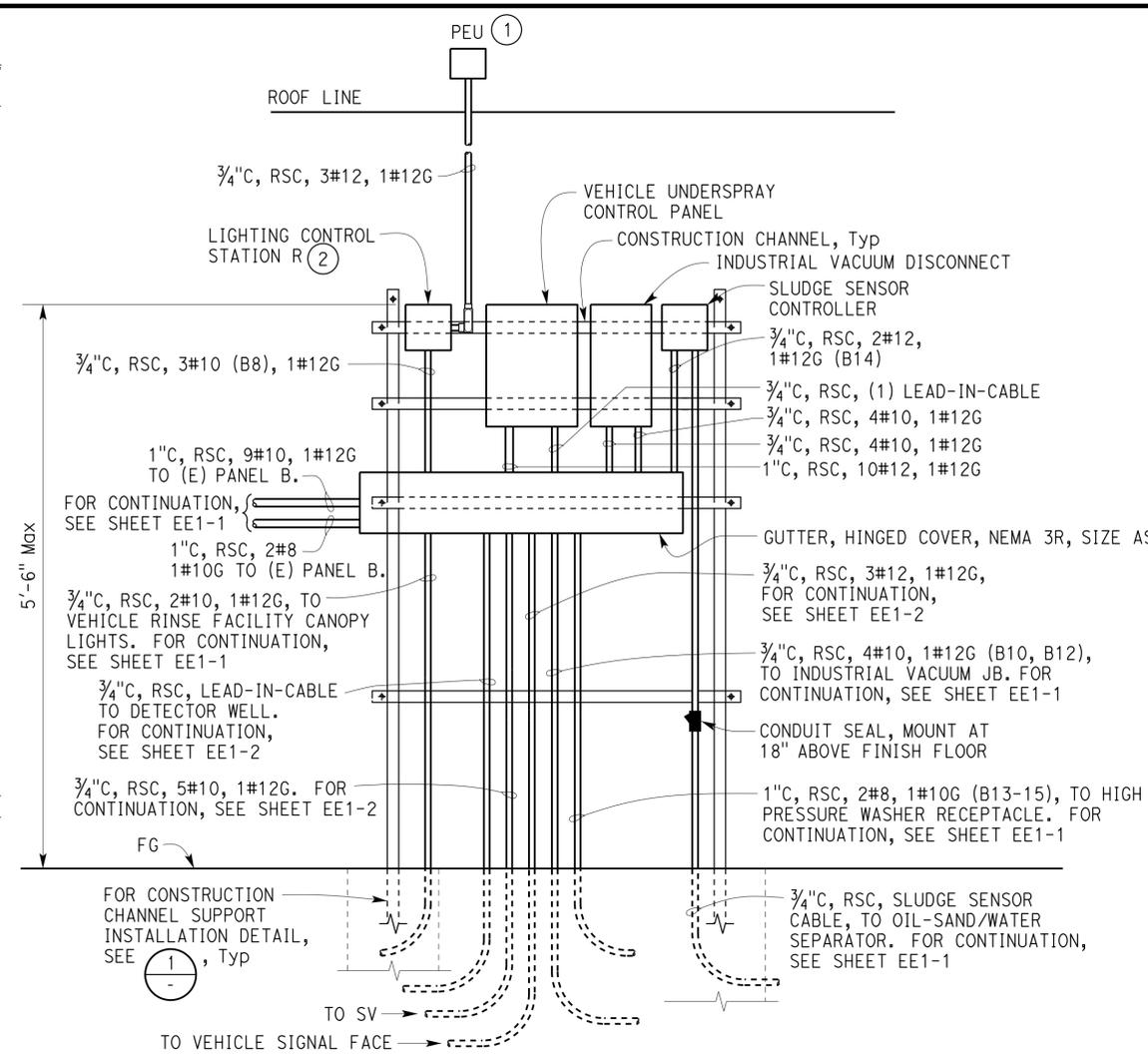
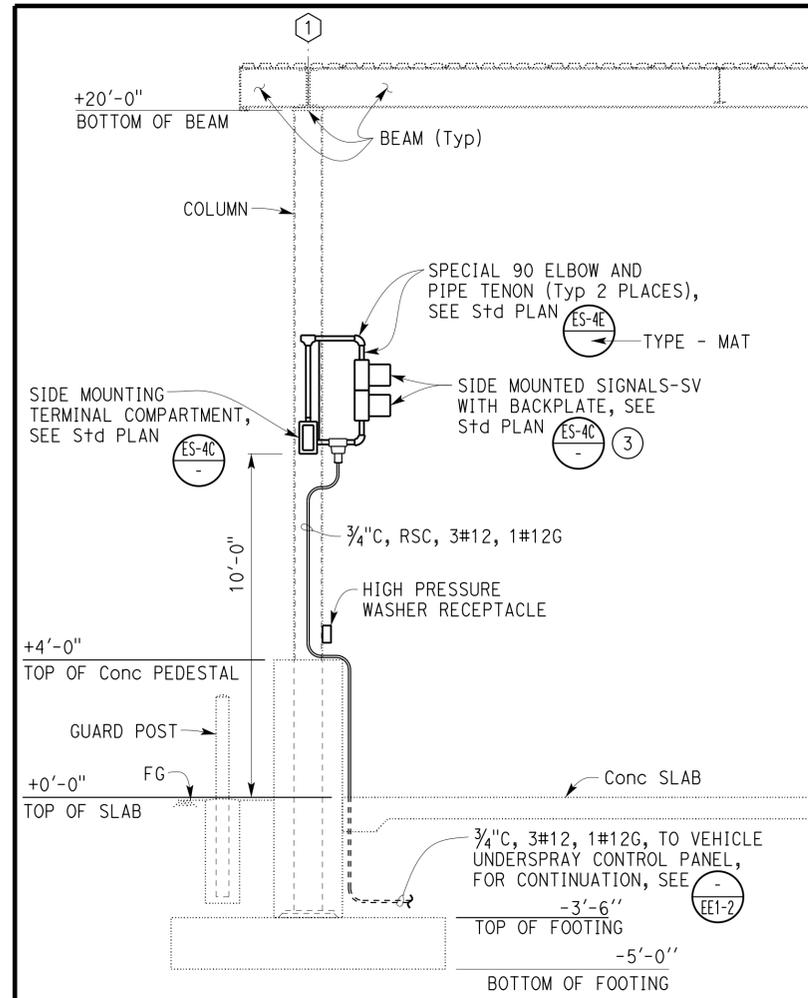
NO SCALE
 (EXTERIOR HINGED DEADFRONT DOOR NOT SHOWN)

- NOTE:
- ① Install Nameplate (12) on exterior dead front door.



THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

- NOTES:
- Install PEU one foot above roof facing North.
 - Selector switches for the Lighting Control Station shall be installed inside a surface mounted NEMA-4X metallic enclosure, with interior hinged door for mounting selector switches, and weatherproof exterior hinged door.
 - Modify standard typical signal installation details to accommodate installation of two signal faces (RED & GREEN) instead of three signal faces as shown on Standard Plans.



THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN BY Farshad Tavatli	CHECKED Jaswinder Gill	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No. 54M5724	PARADISE MAINTENANCE STATION		SHEET EE1-4	
DETAILS BY Kathi Andreasen	CHECKED Farshad Tavatli		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE	VEHICLE RINSE FACILITY	DETAILS 2	OF
QUANTITIES BY Farshad Tavatli	CHECKED Jaswinder Gill		UNIT: 3597 CONTRACT No.: 0R9604 PROJECT NUMBER & PHASE: 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	07-19-13, 07-30-13, 11-13-14	

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 TAEWW Imperial - CCSC Rev. 02/13
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ABBREVIATIONS

AB	AGGREGATE BASE	IN	INCH
AC	ASPHALT CONCRETE	JB	JUNCTION BOX
B	BUNG	KW	KILOWATT
BLDG	BUILDING	LB	POUND
C	CONDUIT	LS	LANDSCAPE IRRIGATION
C-C	CENTER TO CENTER	LT	LEFT
CFS	CUBIC FEET PER SECOND	MAX	MAXIMUM
CI	CAST IRON	MBV	MOTORIZED BALL VALVE
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
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
FOB	FACE OF BUILDING	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
FF	FINISH FLOOR	RPU	RECYCLE PROCESS UNIT
FG	FINISH GRADE	RT	RIGHT
FL	FLOW LINE	R/W	RIGHT-OF-WAY
FM	FORCE MAIN	S	SLOPE
FMCO	FORCE MAIN CLEAN OUT	SB	SOUTHBOUND
FOC	FACE OF CONCRETE	SCH	SCHEDULE
FS	FLOW SWITCH	SD	STORM DRAIN
FT	FEET	SP	SEWAGE PIPE
FTR	FLUE THROUGH ROOF	SQ	SQUARE
GA	GAUGE	SS	STAINLESS STEEL
GAC	GRANULAR ACTIVATED CARBON	STA	STATION
GAL	GALLON	STD	STANDARD
GPM	GALLONS PER MINUTE	TBM	TEMPORARY BENCH MARK
GALV	GALVANIZED	TOC	TOP OF CONCRETE
GSP	GALVANIZED STEEL PIPE	TOT	TOTAL
GV	GATE VALVE	TYP	TYPICAL
GS	GOVERNMENT SERVICE LINE	VAC	VOLTS AC
H	HEIGHT	VCP	VITRIFIED CLAY PIPE
HMA	HOT MELT ASPHALT	W	WATER
HF	HOSE FAUCET	W/O	WITHOUT
HMA	HOT MIX ASPHALT	WP	WATER PIPE
HP	HORSEPOWER	WSP	WELDED STEEL PIPE
HZ	HERTZ		
ID	INSIDE DIAMETER		
IE	INVERT ELEVATION (IN FEET)		

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
	LEACH LINES		SHEET NUMBER
	EXISTING GAS LINE		TREE
	EXISTING DRAIN LINE		DIRECTION OF TRAFFIC
	EXISTING WATER PIPE		
	EXISTING ELECTRICAL LINE		

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBB	5724		57	70

Jerry R. Stangl 3-2-15
REGISTERED CIVIL ENGINEER DATE

3-16-15
PLANS APPROVAL DATE

J. Marcotte
REGISTERED PROFESSIONAL ENGINEER
No. C36844
Exp. 06-30-16
CIVIL
STATE OF CALIFORNIA

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CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: *Francis Solich*
FRANCIS SOLICH
Approval date: 01-02-15

PIPE FITTINGS AND VALVES

	FLOW METER
	SOLENOID VALVE
	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
	EYEWASH & SHOWER

GENERAL WORK NOTES

- (A) The Contractor shall verify all controlling field dimensions and conditions before ordering or fabricating any materials.
- (B) The Contractor shall verify exact location of all underground facilities and utilities prior to start of construction.
- (C) No 90 degree bends allowed on drain or sewer pipe. Where 90 degree bends are shown, use two 45 degree bends

DESIGN	BY	Kosha Shah	CHECKED	Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	54M5724	PARADISE VALLEY MAINTENANCE STATION	SHEET	SS-0		
	DETAILS	BY	J R Stangl	CHECKED			Jerry Marcotte	POST MILE			NOTES, LEGEND, AND ABBREVIATIONS	OF	
	QUANTITIES	BY	Kosha Shah	CHECKED			Jerry Marcotte						

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3

UNIT: 3616 CONTRACT No.: 000001 PROJECT NUMBER & PHASE: 0812000231

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY): 11-15-13

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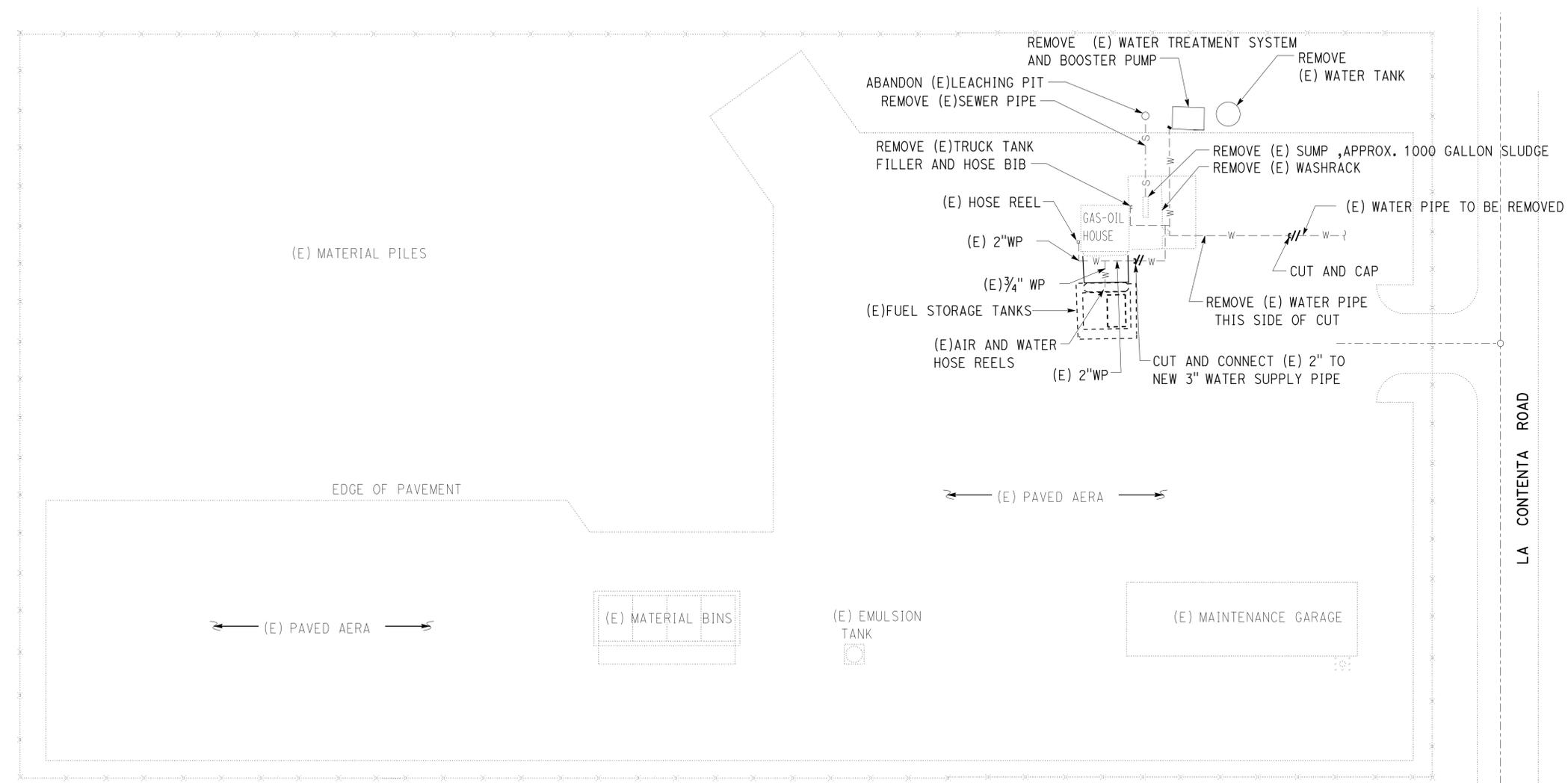
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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBB	5724		58	70
<i>Jerome R. Marcotte</i> REGISTERED CIVIL ENGINEER			3-2-15 DATE		
3-16-15 PLANS APPROVAL DATE			<i>Francis Solich</i> REVIEWED BY FRANCIS SOLICH Approval date: 01-02-15		
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Reviewed by: *Francis Solich*
 FRANCIS SOLICH
 Approval date: 01-02-15



NOTE:
 Verify (E) utilities and elevations on-site.

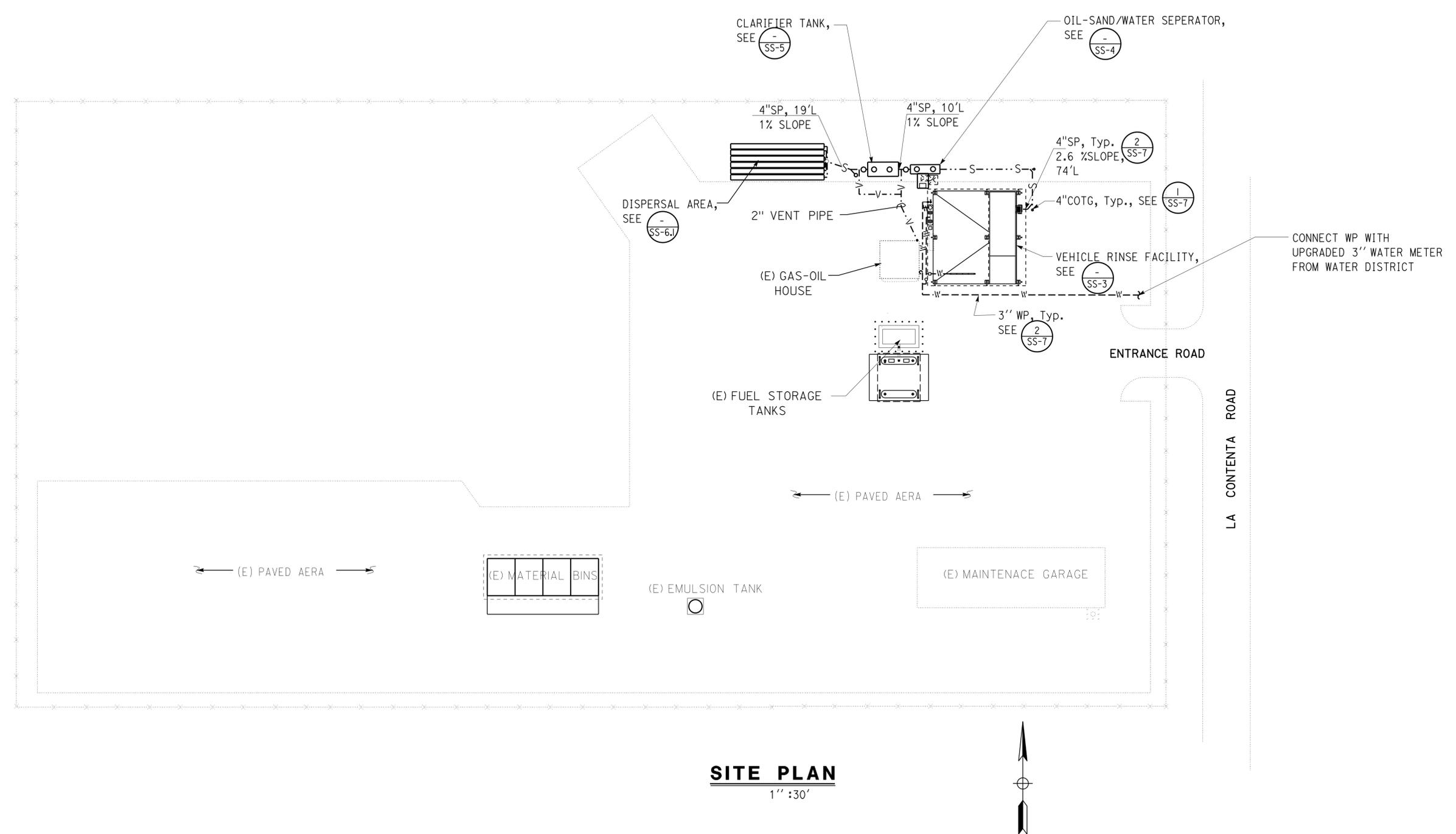
SITE PLAN
 1" = 30'



DESIGN SUPERVISOR <i>J. Schreff</i> DESIGN ENGINEER <i>Jerome R. Marcotte</i>	DESIGN BY	Kosha Shah	CHECKED	Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	54M5724	PARADISE VALLEY MAINTENANCE STATION EXISTING WASHRACK PLAN	SHEET SS-1
	DETAILS BY	J R Stangl	CHECKED	Jerry Marcotte			POST MILE			
	QUANTITIES BY	Kosha Shah	CHECKED	Jerry Marcotte	UNIT: 3616 CONTRACT No.: 000001 PROJECT NUMBER & PHASE: 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	11-15-13	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBB	5724		59	70
<i>Jerry R. Stangl</i> REGISTERED CIVIL ENGINEER			3-2-15 DATE		
3-16-15 PLANS APPROVAL DATE					
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 Reviewed by: *Francis Solich*
FRANCIS SOLICH
 Approval date: 01-02-15



SITE PLAN
 1" : 30'

DESIGN	BY	Kosha Shah	CHECKED	Jerry Marcotte
DETAILS	BY	J R Stangl	CHECKED	Jerry Marcotte
QUANTITIES	BY	Kosha Shah	CHECKED	Jerry Marcotte

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

BRIDGE No. 54M5724
 POST MILE
PARADISE VALLEY MAINTENANCE STATION
 PROPOSED VEHICLE RINSE FACILITY PLAN

SHEET **SS-2** OF

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBB	5724		60	70

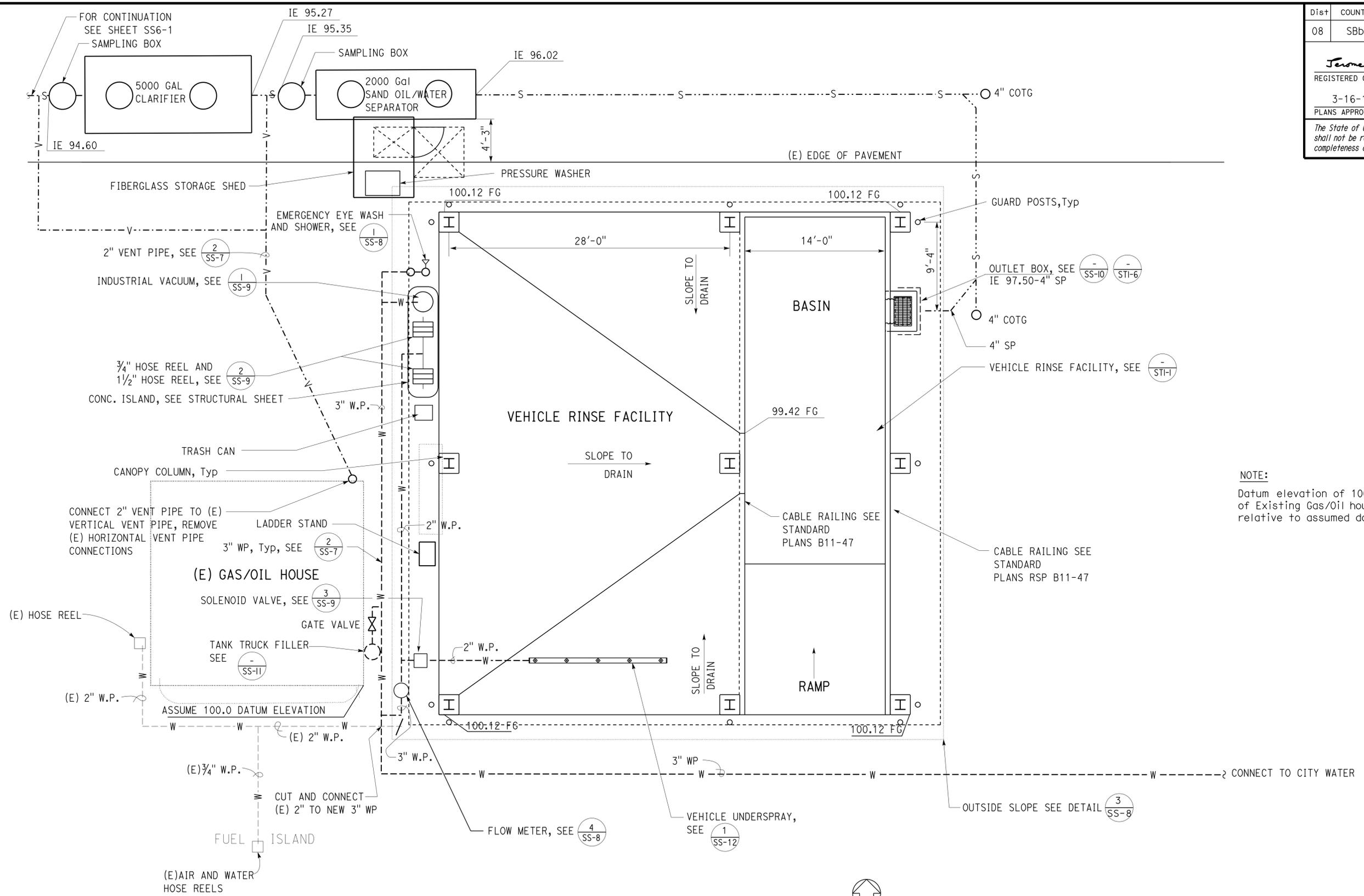
Jerry R. Marcotte
 REGISTERED CIVIL ENGINEER DATE 3-2-15
 3-16-15
 PLANS APPROVAL DATE

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J. Marcotte
 No. C36844
 Exp. 06-30-16
 CIVIL ENGINEER
 STATE OF CALIFORNIA

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FRANCIS SOLICH
 Approval date: 01-02-15



NOTE:
 Datum elevation of 100.00' is assumed at South East corner of Existing Gas/Oil house. All elevations on SS sheets are relative to assumed datum elevation.

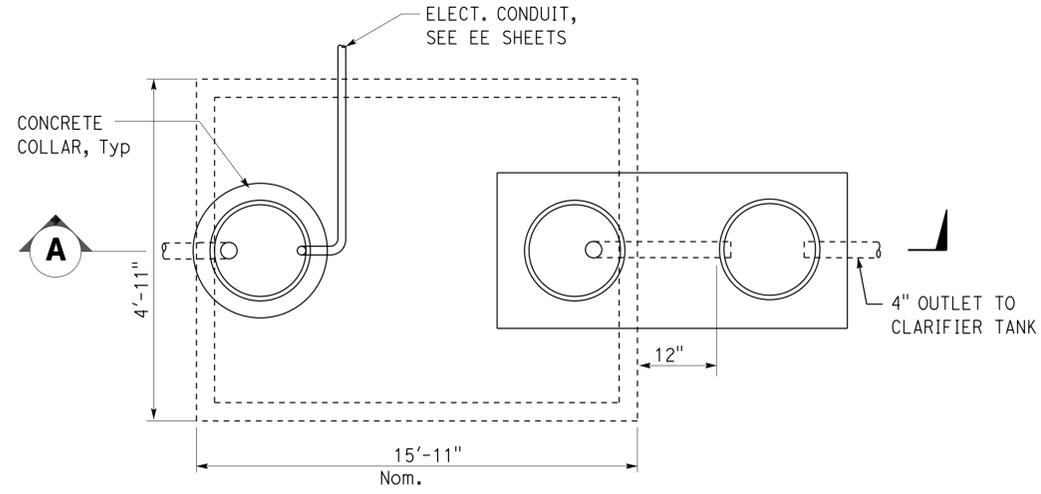
SITE PLAN
 1" = 5'

TAEWW Imperial - CCSC Rev. 02/13	DESIGN BY Kosha Shah CHECKED Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 54M5724 POST MILE	PARADISE VALLEY MAINTENANCE STATION	SHEET SS-3 OF	
	DETAILS BY J R Stangl CHECKED Jerry Marcotte		QUANTITIES BY Kosha Shah CHECKED Jerry Marcotte	UNIT: 3616 CONTRACT No.: 000001 PROJECT NUMBER & PHASE: 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3	11-15-13	P:\d1st_08\08120002231_paradise_ms\expedit\ss_3.dgn	20-MAR-2015 10:21	

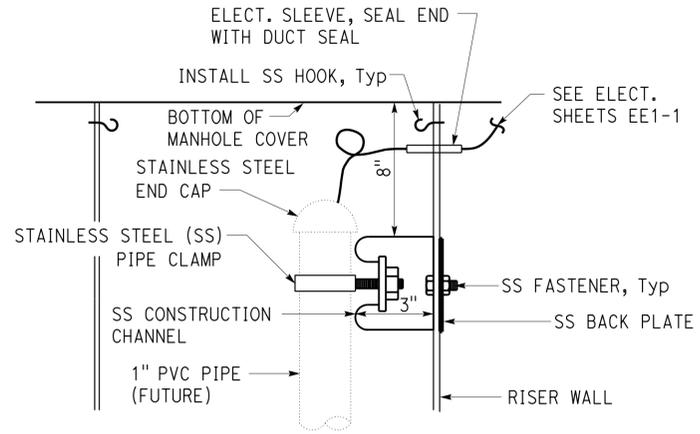
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBB	5724		61	70

<i>Jerry R. Stangl</i>	3-2-15	
REGISTERED CIVIL ENGINEER	DATE	
3-16-15	PLANS APPROVAL DATE	

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PLAN
NO SCALE

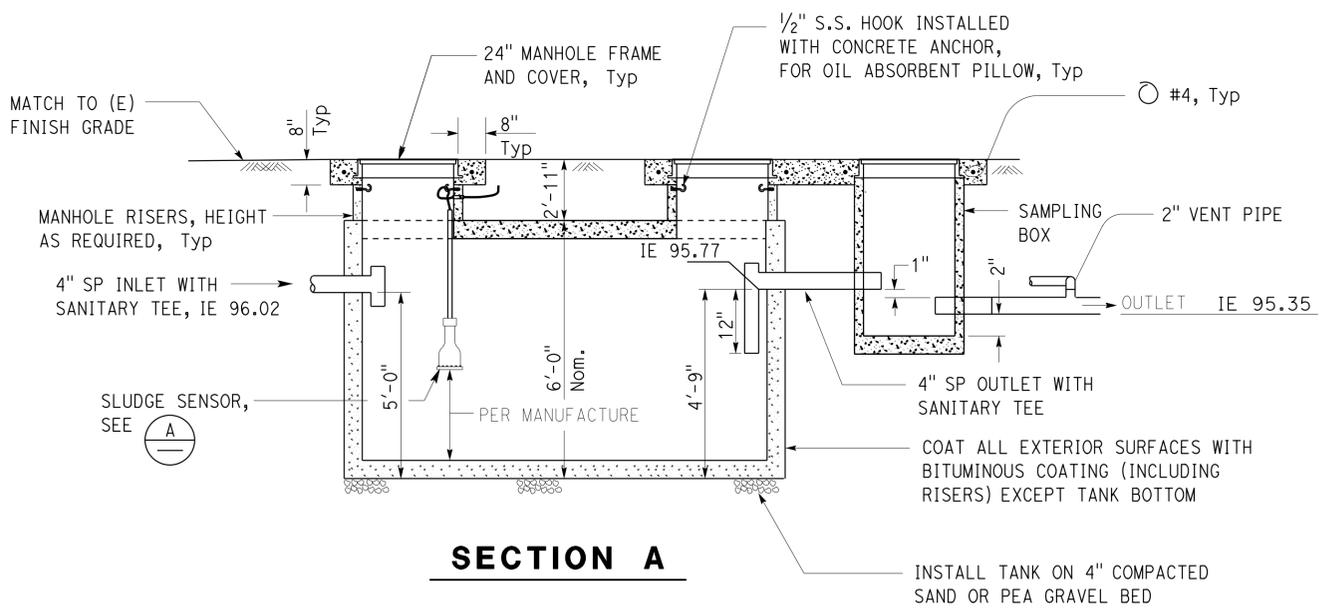


A SLUDGE SENSOR DETAIL

CALIFORNIA STATE FIRE MARSHAL APPROVED
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Reviewed by: *Francis Solich*
Approval date: 01-02-15

GENERAL NOTES:

- (A) Tank dimensions to be per manufacturer.
- (B) Install oil absorbent pillows in the oil-sand/water separator.
- (C) Contractor to verify underground conduits before commencing excavation. Relocate conduits as necessary for proper installation of tanks.



SECTION A

1 2,000 GALLON OIL-SAND/WATER SEPARATOR
NO SCALE

DESIGN	BY Kosha Shah	CHECKED Jerry Marcotte
DETAILS	BY J R Stangl	CHECKED Jerry Marcotte
QUANTITIES	BY Kosha Shah	CHECKED Jerry Marcotte

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

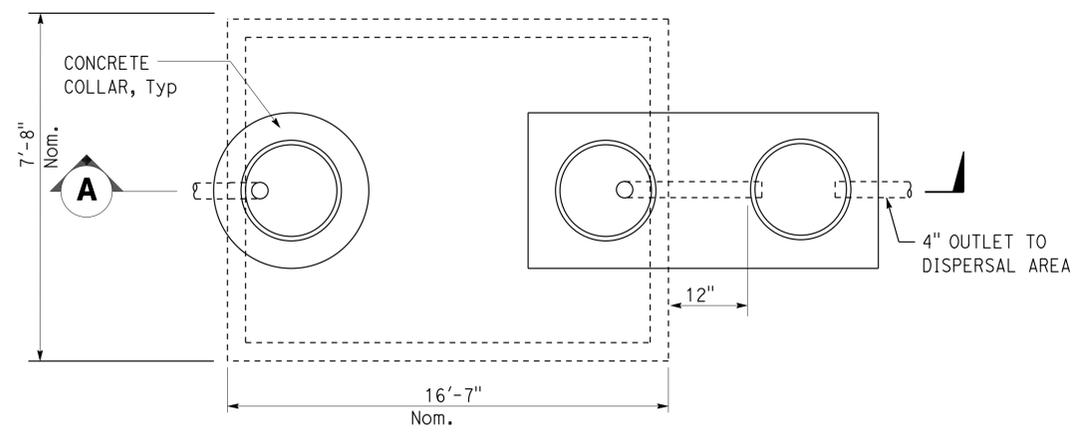
DIVISION OF ENGINEERING SERVICES
ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE No. 54M5724
POST MILE

PARADISE VALLEY MAINTENANCE STATION
OIL-SAND/WATER SEPARATOR

SHEET **SS-4** OF

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBB	5724		62	70
<i>Jerry R. Stangl</i> REGISTERED CIVIL ENGINEER			3-2-15 DATE		
3-16-15 PLANS APPROVAL DATE					
<i>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.</i>					

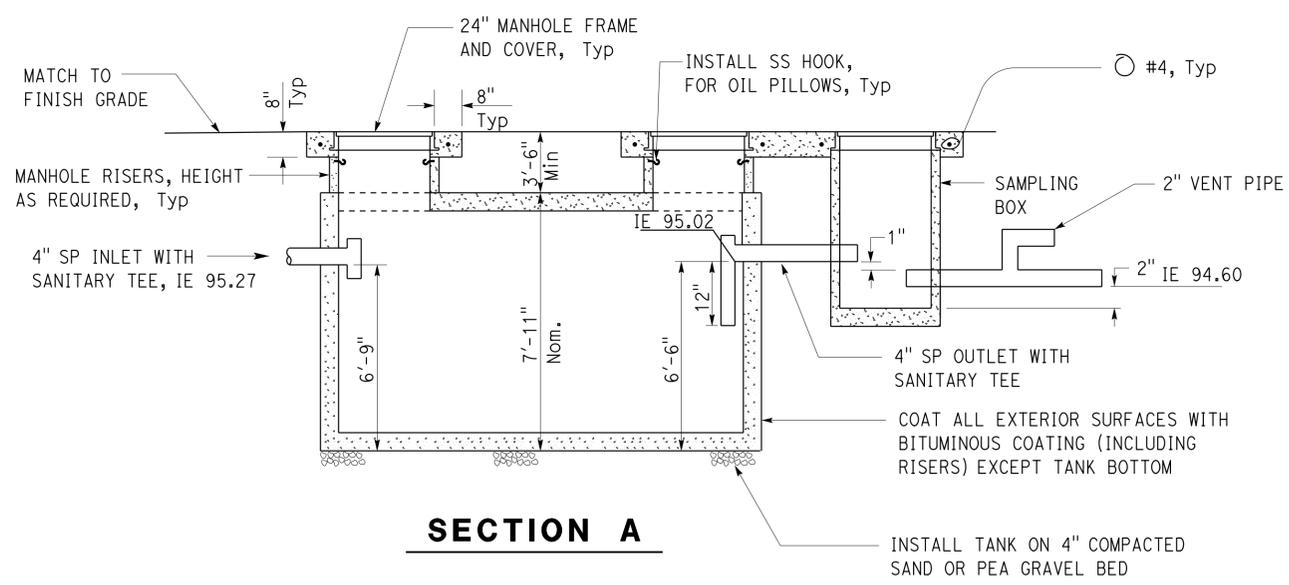


PLAN

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: *Francis Solich*
 FRANCIS SOLICH
 Approval date: 01-02-15

GENERAL NOTES:

- (A) Tank dimensions to be per manufacturer.
- (B) Install oil absorbent pillows in the clarifier tank.
- (C) Contractor to verify underground conduits before commencing excavation. Relocate conduits as necessary for proper installation of tanks.



SECTION A

1 5,000 GALLON CLARIFIER TANK
 NO SCALE

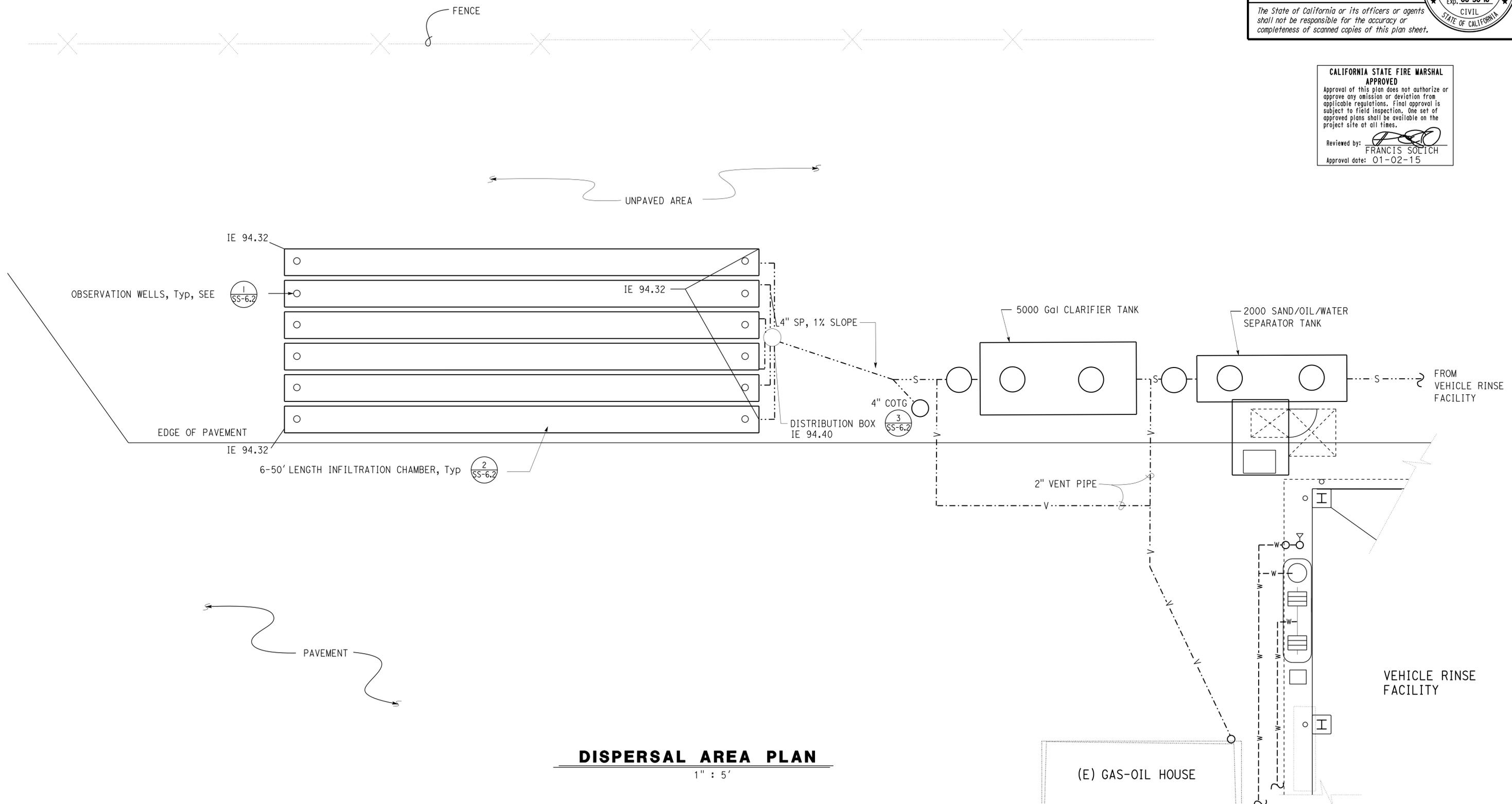
DESIGN BY Kosha Shah	CHECKED Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	PARADISE VALLEY MAINTENANCE STATION	SHEET SS-5
				54M5724		
DETAILS BY J R Stangl	CHECKED Jerry Marcotte			POST MILE	CLARIFIER TANK	
QUANTITIES BY Kosha Shah	CHECKED Jerry Marcotte					
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3	UNIT: 3616 CONTRACT No.: 000001 PROJECT NUMBER & PHASE: 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
TAEWW Imperial - CCSC Rev. 02/13					11-15-13	

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBB	5724		63	70
<i>Jerry R. Stangl</i> REGISTERED CIVIL ENGINEER			3-2-15 DATE		
3-16-15 PLANS APPROVAL DATE					
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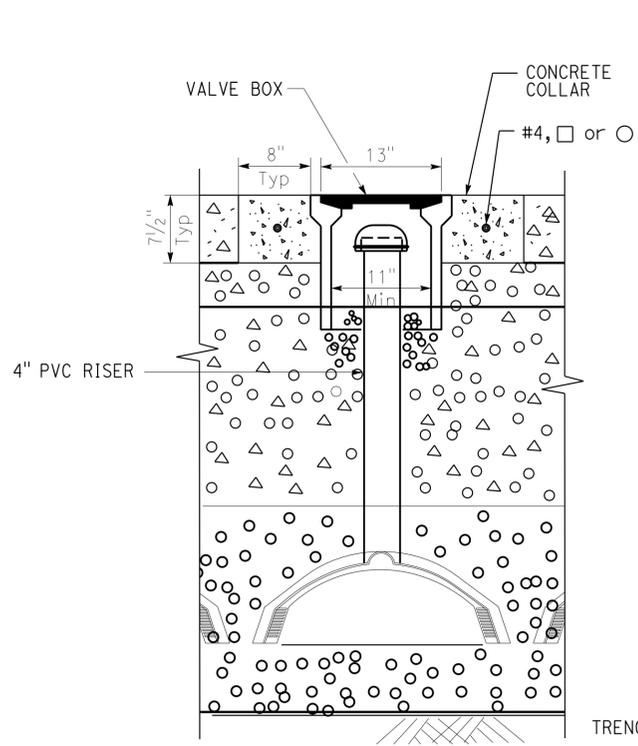
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Reviewed by: *Francis Solich*
 FRANCIS SOLICH
 Approval date: 01-02-15

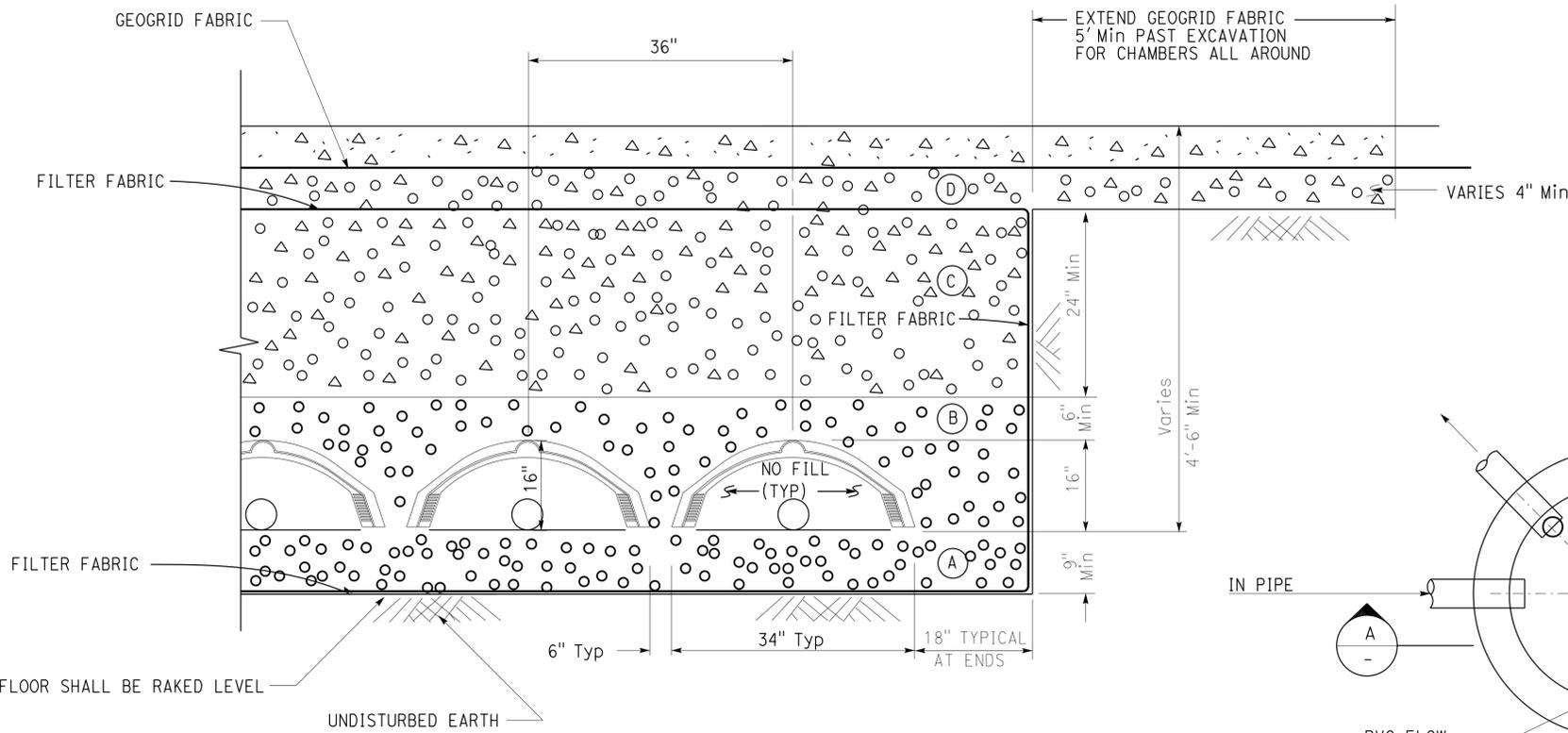


DISPERSAL AREA PLAN
 1" : 5'

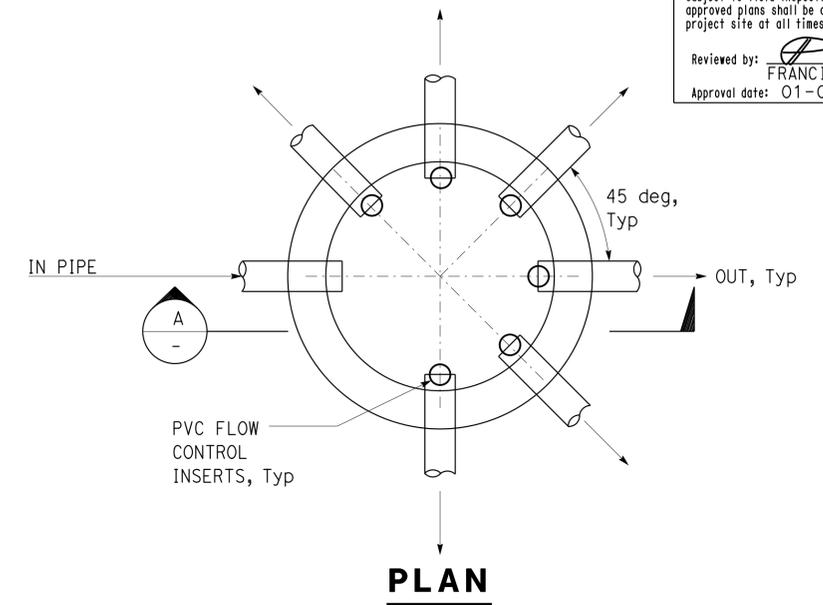
TAEWW Imperial - CCSC Rev. 02/13	DESIGN	BY Koshia Shah	CHECKED Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	PARADISE VALLEY MAINTENANCE STATION DISPERSAL AREA	SHEET	
	DETAILS	BY J R Stangl	CHECKED Jerry Marcotte			54M5724		11/15/13	OF
	QUANTITIES	BY Koshia Shah	CHECKED Jerry Marcotte			POST MILE			REVISION DATES (PRELIMINARY STAGE ONLY)
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	UNIT: 3616 CONTRACT No.: 000001 PROJECT NUMBER & PHASE: 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET 63 OF 70		



1 OBSERVATION WELL
NO SCALE

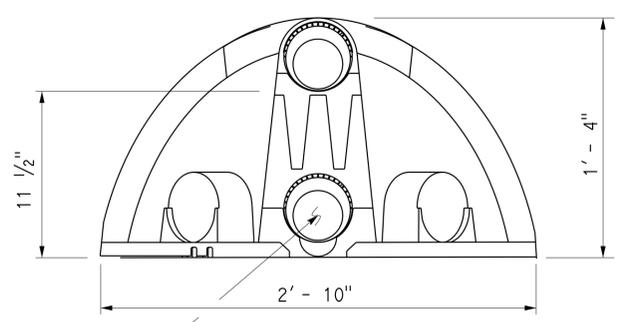


2 INFILTRATION CHAMBERS
NO SCALE



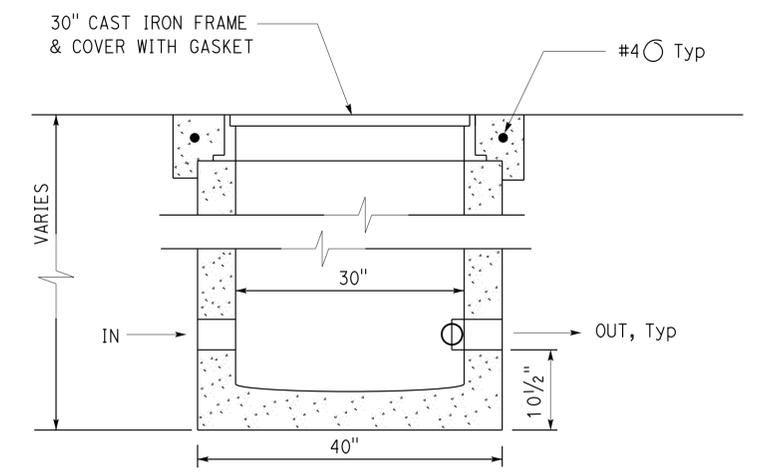
PLAN

NOTE:
PLACE 2 PER INFILTRATION CHAMBER, ONE AT EACH END OF EACH CHAMBER.



END CAP
NO SCALE

ACCEPTABLE FILL MATERIAL		
MATERIAL LOCATION	DESCRIPTION	COMPACTION DENSITY REQUIREMENT
(A)	CLEAN, CRUSHED, ANGULAR STONE, NOM. SIZE DISTRIBUTION 3/4"-2"	95% COMPACTION
(B)	CLEAN, CRUSHED, ANGULAR STONE, NOM. SIZE DISTRIBUTION 3/4"-2"	NO COMPACTION REQUIRED
(C)	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES <35% FINES	BEGIN COMPACTION AFTER 12" OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" MAX LIFTS TO A MIN. 95% COMPACTION ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 LBS. DYNAMIC FORCE NOT TO EXCEED 20,000LBS.
(D)	AGGREGATE BASE	95% COMPACTION



ELEVATION "A"

3 DISTRIBUTION BOX
NO SCALE

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBB	5724		65	70

<i>Jerry R. Marcotte</i>	3-2-15
REGISTERED CIVIL ENGINEER	DATE
3-16-15	
PLANS APPROVAL DATE	

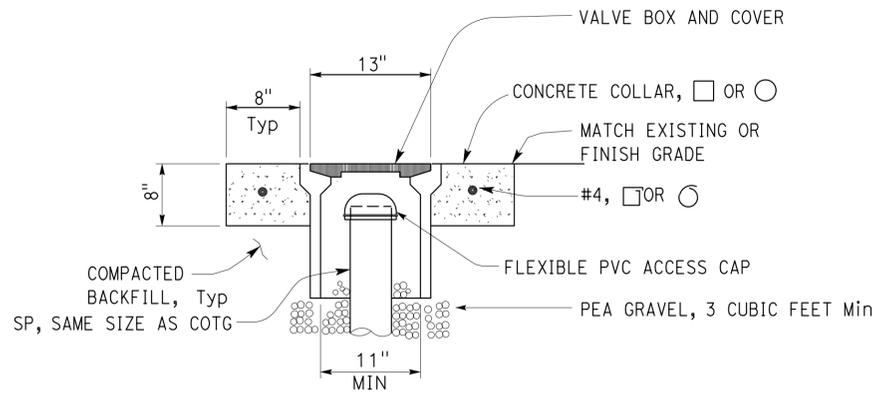
J. Marcotte
No. **C36844**
Exp. **06-30-16**
CIVIL
STATE OF CALIFORNIA

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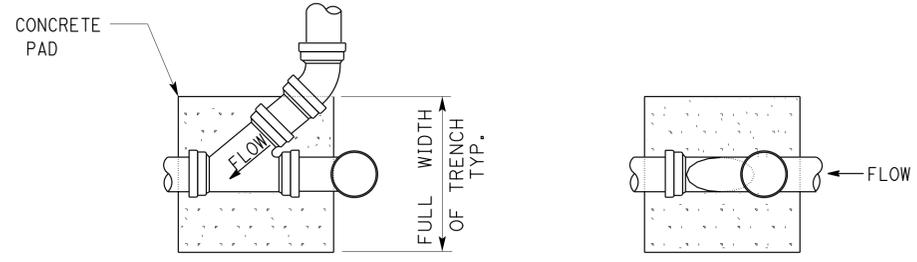
CALIFORNIA STATE FIRE MARSHAL APPROVED

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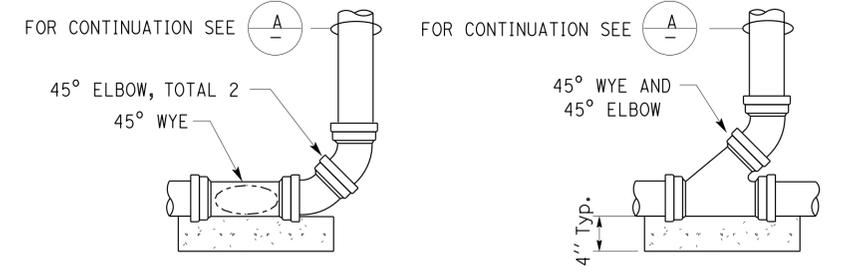
Reviewed by: *Francis Solich*
FRANCIS SOLICH
Approval date: 01-02-15



A COTG ACCESS BOX
NO SCALE



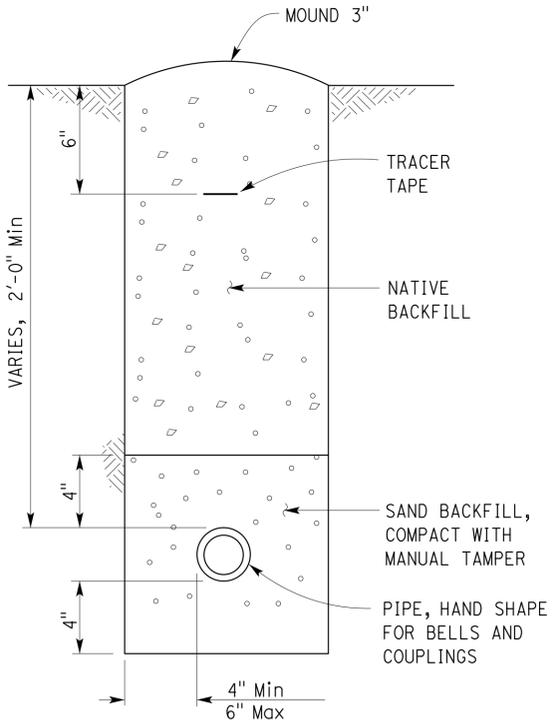
PLAN PLAN



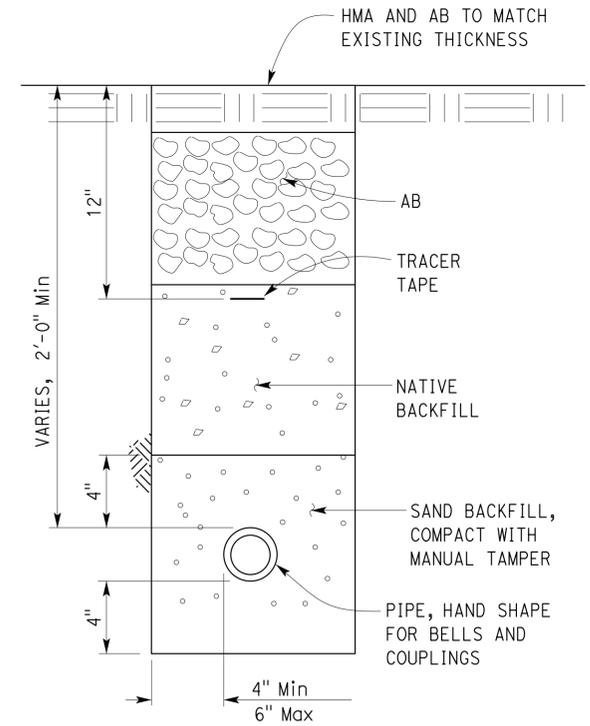
ELEVATION ELEVATION

CLEANOUT (AT BEND) CLEANOUT (STANDARD)

1 CLEANOUT TO GRADE
NO SCALE



2 WATER/ DRAIN/ SEWAGE/ VENT PIPE
NO SCALE



DESIGN BY: Koshia Shah CHECKED BY: Jerry Marcotte DETAILS BY: J R Stangl CHECKED BY: Jerry Marcotte QUANTITIES BY: Koshia Shah CHECKED BY: Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 54M5724 POST MILE	PARADISE VALLEY MAINTENANCE STATION DETAILS-I	SHEET SS-7 OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3		UNIT: 3616 CONTRACT No.: 000001 PROJECT NUMBER & PHASE: 08120002231		DISREGARD PRINTS BEARING EARLIER REVISION DATES → 11-15-13	
TAEWW Imperial - CCSC Rev. 02/13		P:\dist_08\0812000223_paradise_ms\expedit\ss_7.dgn		20-MAR-2015 10:21	

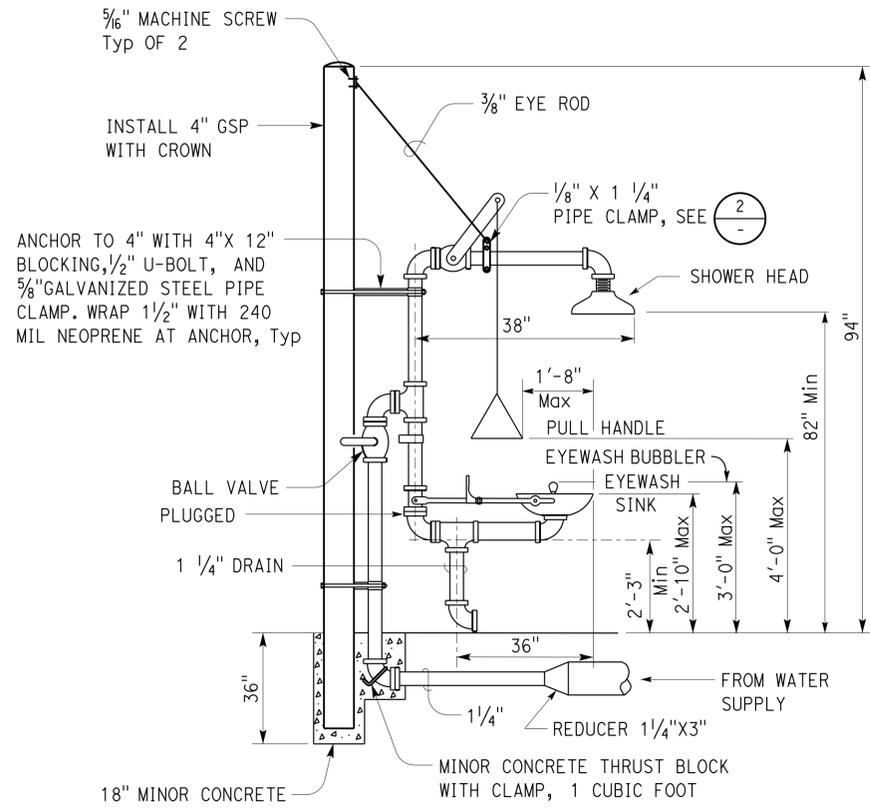
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBB	5724		66	70

Jerry R. Stangl
REGISTERED CIVIL ENGINEER
DATE 3-2-15
PLANS APPROVAL DATE 3-16-15

J. Marcotte
No. C36844
Exp. 06-30-16
CIVIL ENGINEER
STATE OF CALIFORNIA

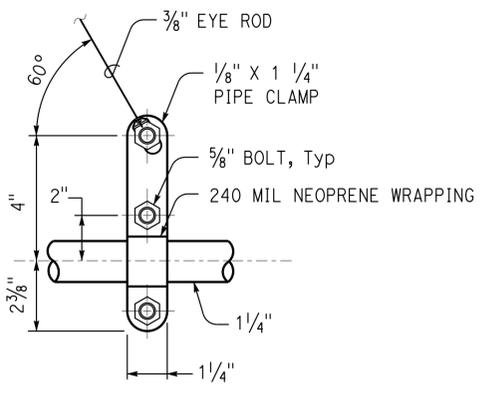
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Approval date: 01-02-15

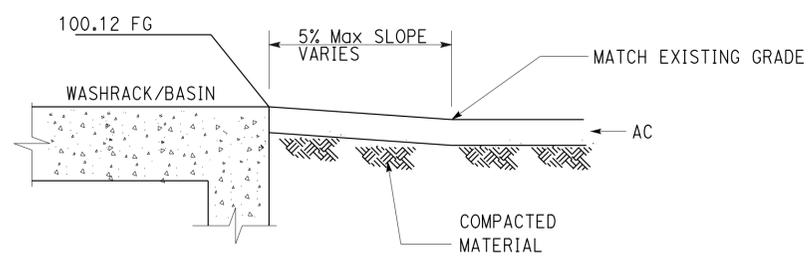


1 EMERGENCY EYEWASH AND SHOWER DETAIL
(DISABLED ACCESSIBLE)
NO SCALE

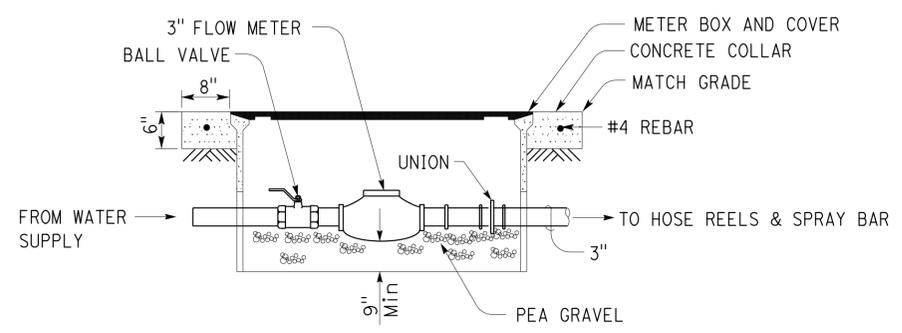
NOTE: PROVIDE MINIMUM 2'-6" X 4'-0" CLEAR FLOOR SPACE IN FRONT OF AND CENTERED WITH FIXTURE WITH MAXIMUM 2% SLOPE IN ALL DIRECTIONS.



2 PIPE CLAMP DETAIL
NO SCALE



3 OUTSIDE SLOPE FOR WASHRACK
NO SCALE



4 FLOW METER
NO SCALE

NOTE: Min 9" clearance on all sides

DESIGN	BY	Kosha Shah	CHECKED	Jerry Marcotte	BRIDGE No. 54M5724	POST MILE	PARADISE VALLEY MAINTENANCE STATION	SHEET SS-8	
	DETAILS	BY	J R Stangl	CHECKED					Jerry Marcotte
QUANTITIES	BY	Kosha Shah	CHECKED	Jerry Marcotte	DETAILS-2				
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION					DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					UNIT: 3616 CONTRACT No.: 000001 PROJECT NUMBER & PHASE: 08120002231		DISREGARD PRINTS BEARING EARLIER REVISION DATES		11-15-13
TAEWW Imperial - CCSC Rev. 02/13									

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBB	5724		67	70

<i>Jerry R. Marcotte</i>	3-2-15
REGISTERED CIVIL ENGINEER	DATE
3-16-15	
PLANS APPROVAL DATE	

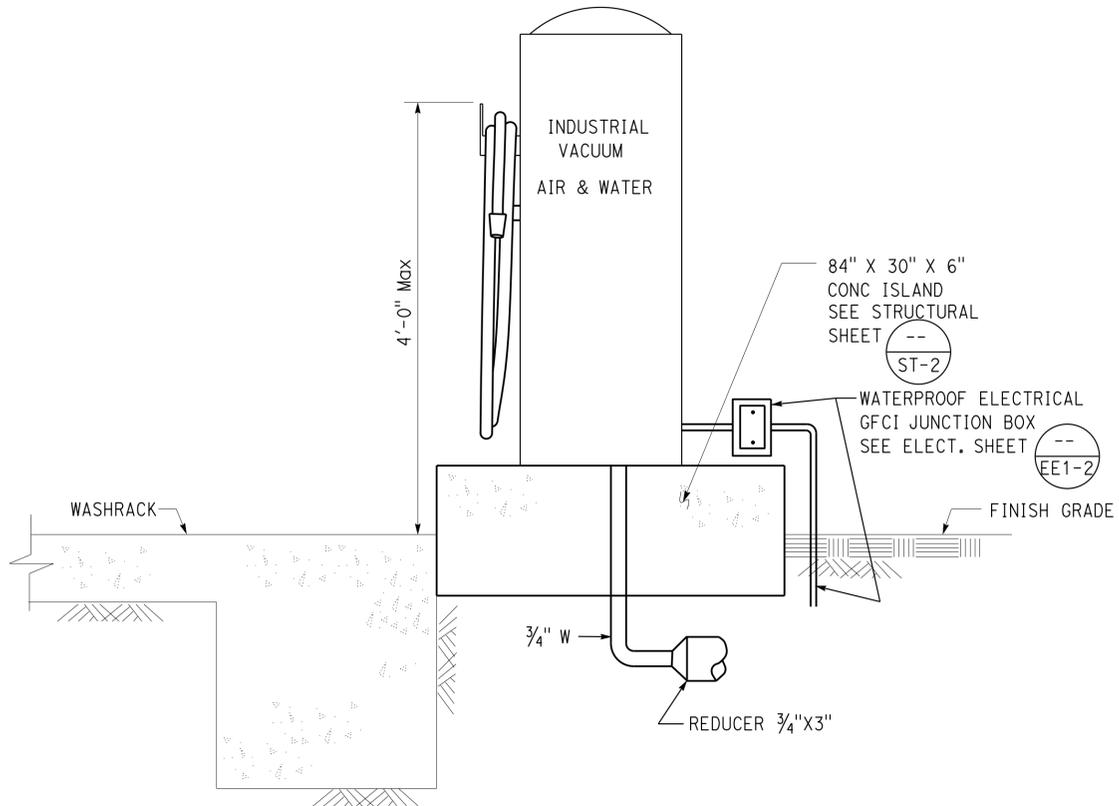
J. Marcotte
No. **C36844**
Exp. **06-30-16**
CIVIL
STATE OF CALIFORNIA

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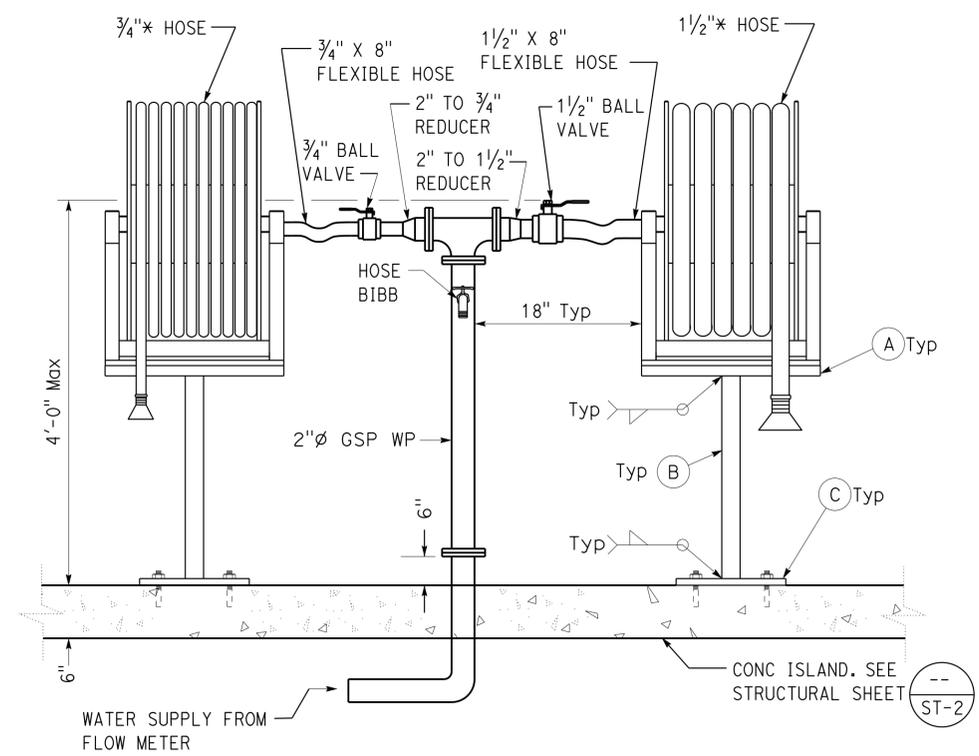
CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: *[Signature]*
FRANCIS SOLICH
Approval date: 01-02-15

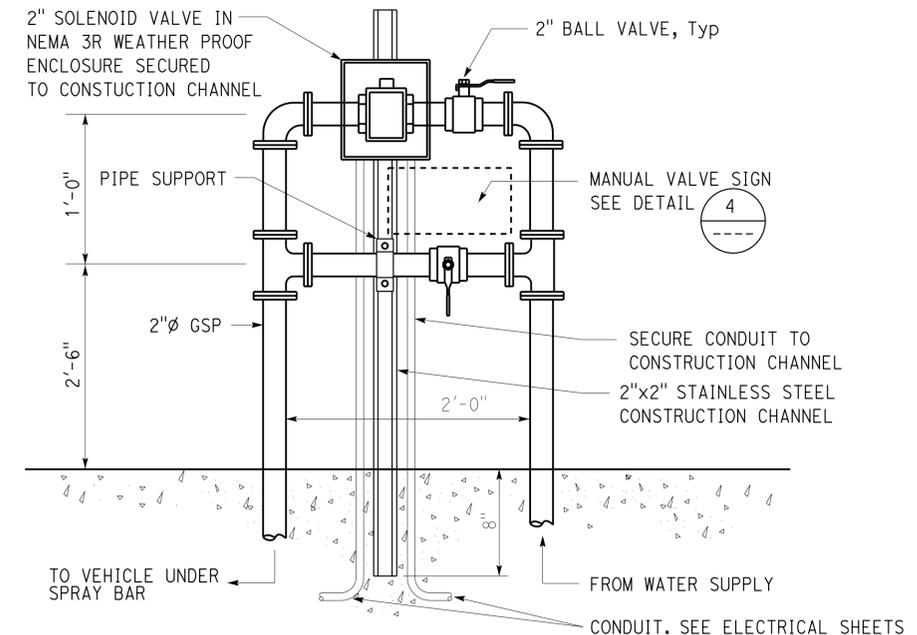


1 VACUUM FOUNDATION DETAIL
NO SCALE

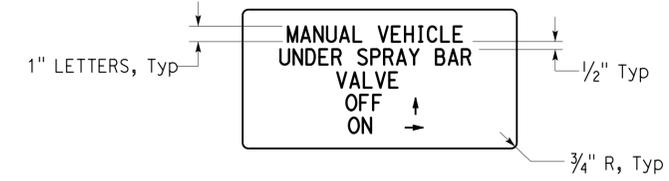


2 HOSE REEL DETAIL
NO SCALE

- FABRICATION NOTES Typ:
- (A) 1/4" steel plate, size per template from reel manufacturer.
 - (B) 3" square steel tube.
 - (C) 9"x9"x1/4" steel plate. Secure with 4-3/8" x 3" bolts with washers, Paint color to match equipment bldg.



3 SOLENOID VALVE DETAIL
NO SCALE



4 VEHICLE UNDER SPRAY BAR VALVE SIGN
1"=1'-0"

- NOTE:
1. Red letters on white background
 2. Sign to be 9" x 1'-6"
 3. Attach to Construction Channel

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">DESIGN</td> <td style="width: 20%;">BY Koshia Shah</td> <td style="width: 20%;">CHECKED Jerry Marcotte</td> </tr> <tr> <td>DETAILS</td> <td>BY J R Stangl</td> <td>CHECKED Jerry Marcotte</td> </tr> <tr> <td>QUANTITIES</td> <td>BY Koshia Shah</td> <td>CHECKED Jerry Marcotte</td> </tr> </table>	DESIGN	BY Koshia Shah	CHECKED Jerry Marcotte	DETAILS	BY J R Stangl	CHECKED Jerry Marcotte	QUANTITIES	BY Koshia Shah	CHECKED Jerry Marcotte	<p>STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION</p>	<p>DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>BRIDGE No.</td> <td>54M5724</td> </tr> <tr> <td>POST MILE</td> <td></td> </tr> </table>	BRIDGE No.	54M5724	POST MILE		<p>PARADISE VALLEY MAINTENANCE STATION</p> <p>DETAILS-3</p>	<p>SHEET SS-9</p>
DESIGN	BY Koshia Shah	CHECKED Jerry Marcotte																
DETAILS	BY J R Stangl	CHECKED Jerry Marcotte																
QUANTITIES	BY Koshia Shah	CHECKED Jerry Marcotte																
BRIDGE No.	54M5724																	
POST MILE																		
TAEWW Imperial - CCSC Rev. 02/13	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">0</td> <td style="width: 25%;">1</td> <td style="width: 25%;">2</td> <td style="width: 25%;">3</td> </tr> </table>	0	1	2	3	UNIT: 3616 CONTRACT No.: 000001 PROJECT NUMBER & PHASE: 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF								
0	1	2	3															

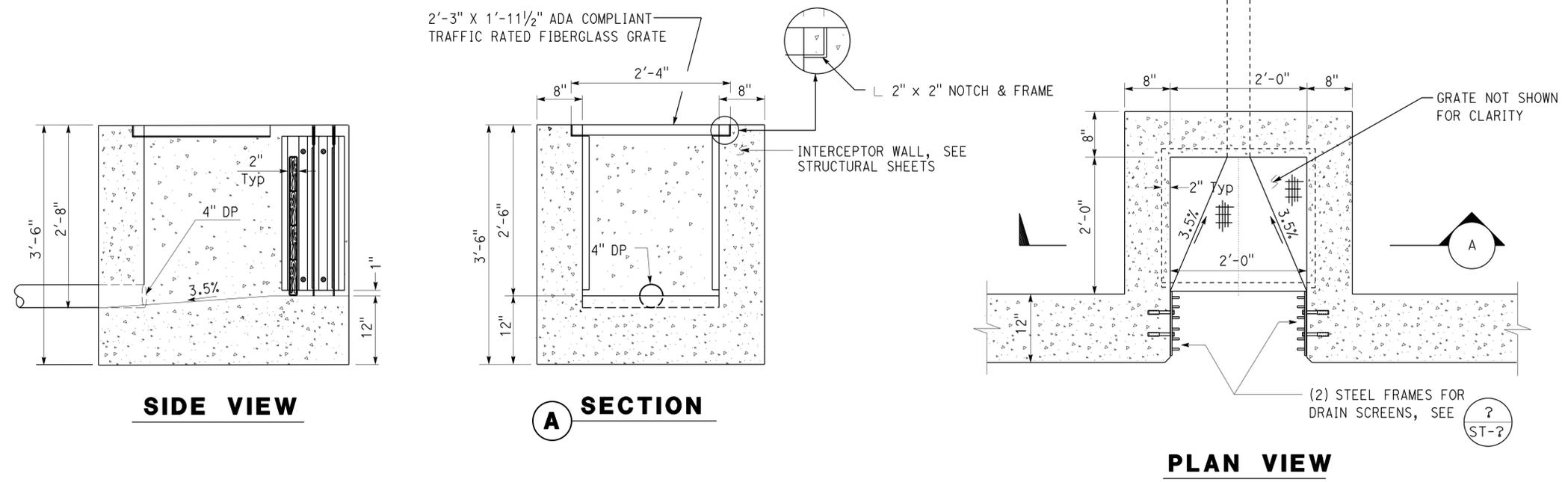
20-MAR-2015 10:21

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBB	5724		68	70

<i>Jerry R. Marcotte</i>	3-2-15
REGISTERED CIVIL ENGINEER	DATE
3-16-15	
PLANS APPROVAL DATE	

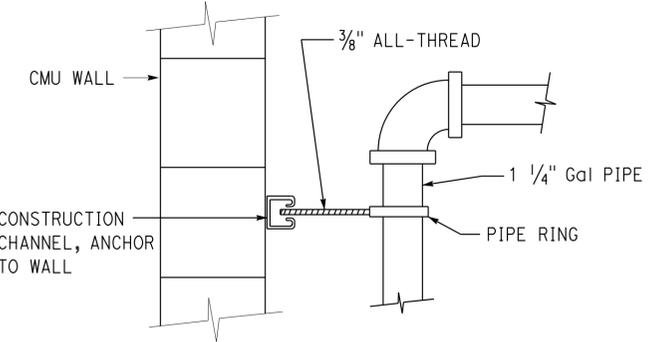
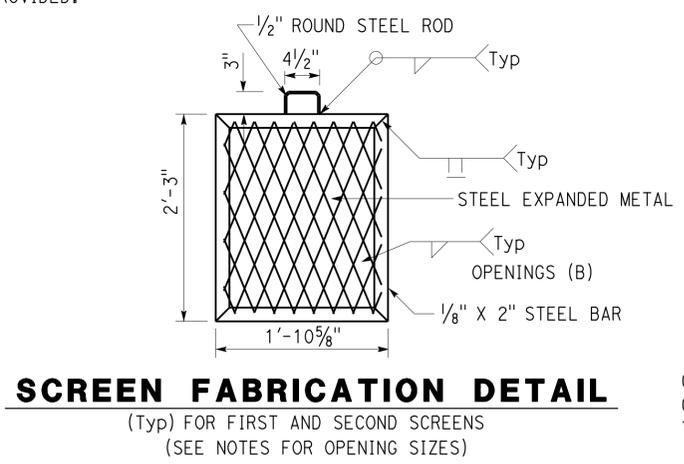
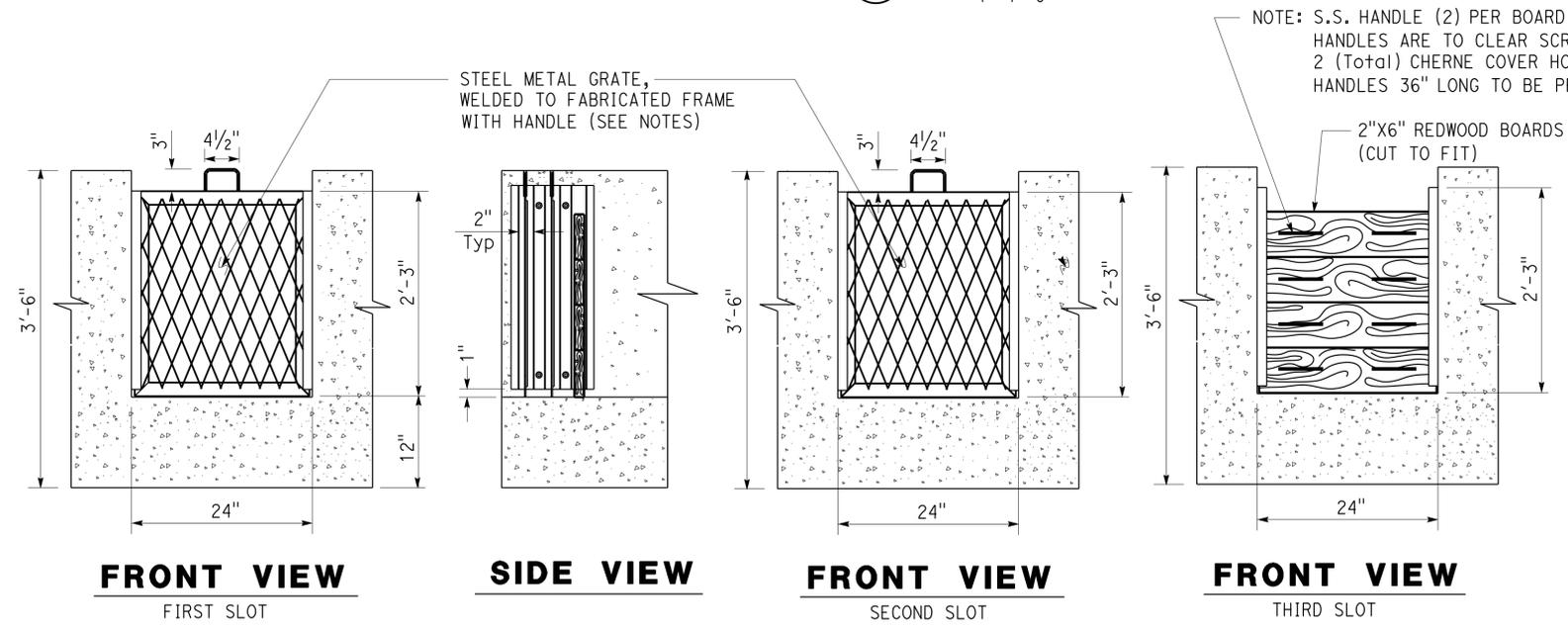
J. Marcotte
No. **C36844**
Exp. **06-30-16**
CIVIL
STATE OF CALIFORNIA

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Reviewed by: *[Signature]*
FRANCIS SOLICH
Approval date: 01-02-15

1 OUTLET BOX
1"=1'-0"



- Note:
- For First Slot, Style 1/2" #13 Expanded Metal, size of openings to be: (A) = 2 1/2" X (B) = 1 3/16"
 - For Second Slot, Style 3/4" #13 Expanded Metal, size of openings to be: (A) = 1 1/16" X (B) = 3/4"
 - See Screen Fabrication Detail

2 DRAIN SCREEN FILTER
1"=1'-0"

DESIGN BY: Koshia Shah CHECKED: Jerry Marcotte DETAILS BY: J R Stangl CHECKED: Jerry Marcotte QUANTITIES BY: Koshia Shah CHECKED: Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 54M5724 POST MILE	PARADISE VALLEY MAINTENANCE STATION OUTLET BOX DETAILS	SHEET SS-10 OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3		UNIT: 3616 CONTRACT No.: 000001 PROJECT NUMBER & PHASE: 08120002231		DISREGARD PRINTS BEARING EARLIER REVISION DATES: 11-15-13	

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Sbb	5724		69	70

Jerry R. Marcotte 3-2-15
REGISTERED CIVIL ENGINEER DATE

3-16-15
PLANS APPROVAL DATE

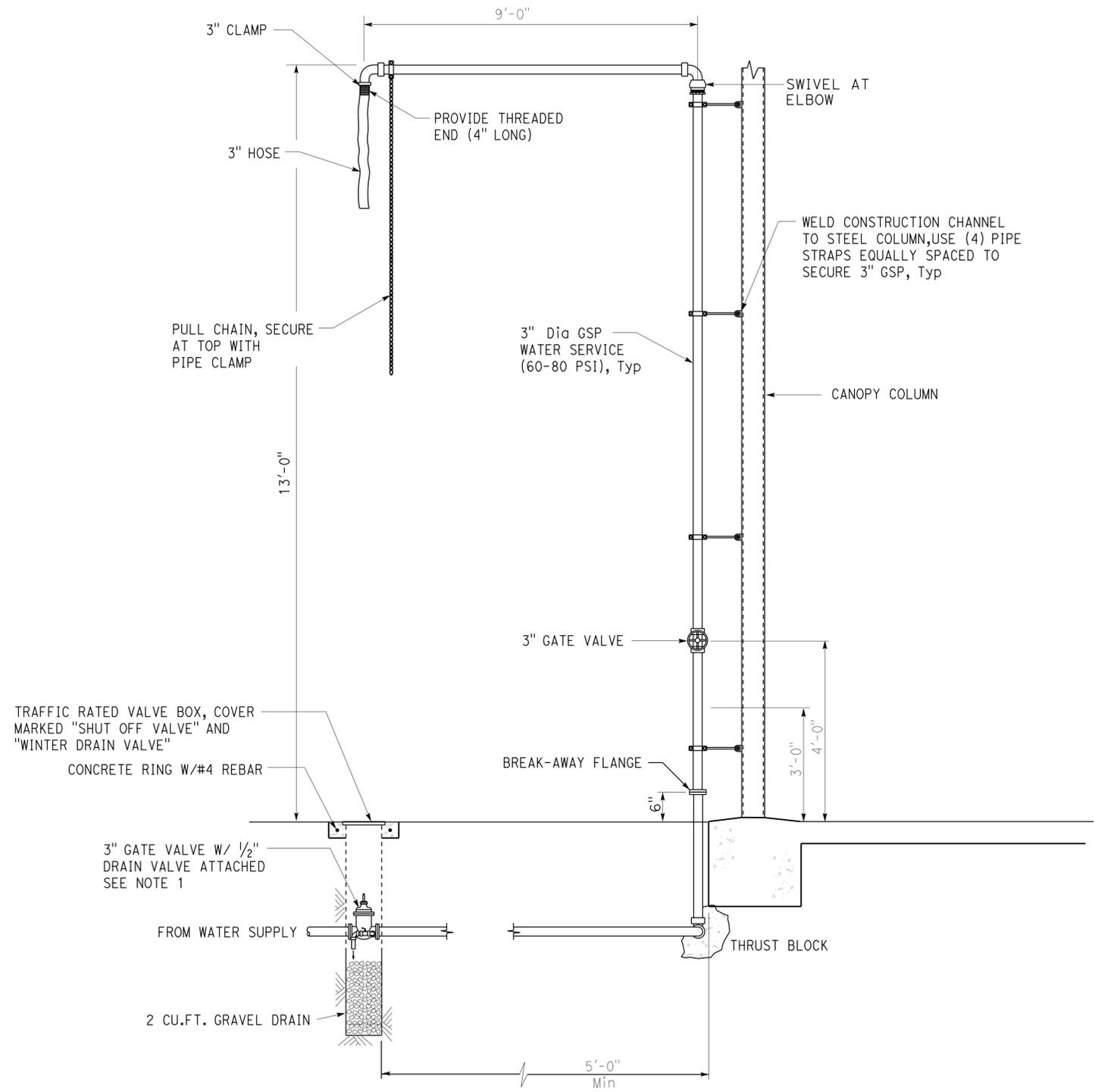
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FRANCIS SOLICH
Approval date: 01-02-15



1 OVERHEAD FILL PIPE
NO SCALE

- Notes:
1. Provide handles for both shut-off and drain valves.
 2. Provide bollard protection on both sides.

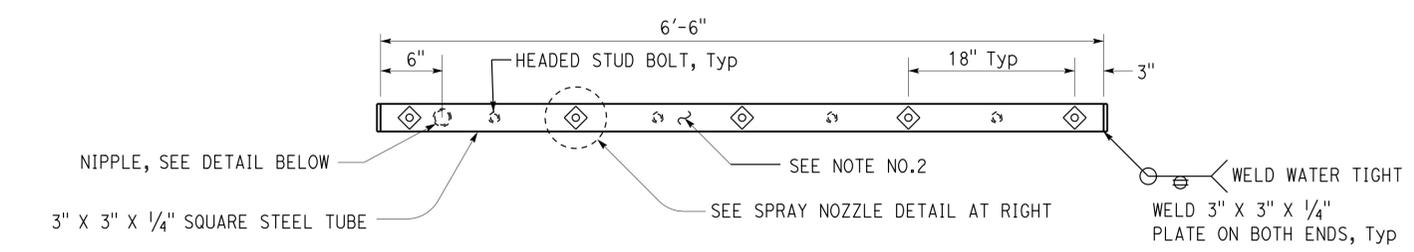
DESIGN BY Kosha Shah	CHECKED Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 54M5724	PARADISE VALLEY MAINTENANCE STATION	SHEET SS-11
				POST MILE		
DETAILS BY J R Stangl	CHECKED Jerry Marcotte	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 3616 CONTRACT No.: 000001 PROJECT NUMBER & PHASE: 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY Kosha Shah	CHECKED Jerry Marcotte	0 1 2 3		11-15-13		

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBB	5724		70	70
<i>Jerry R. Marcotte</i> REGISTERED CIVIL ENGINEER			3-2-15 DATE		
3-16-15 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.					

CALIFORNIA STATE FIRE MARSHAL APPROVED

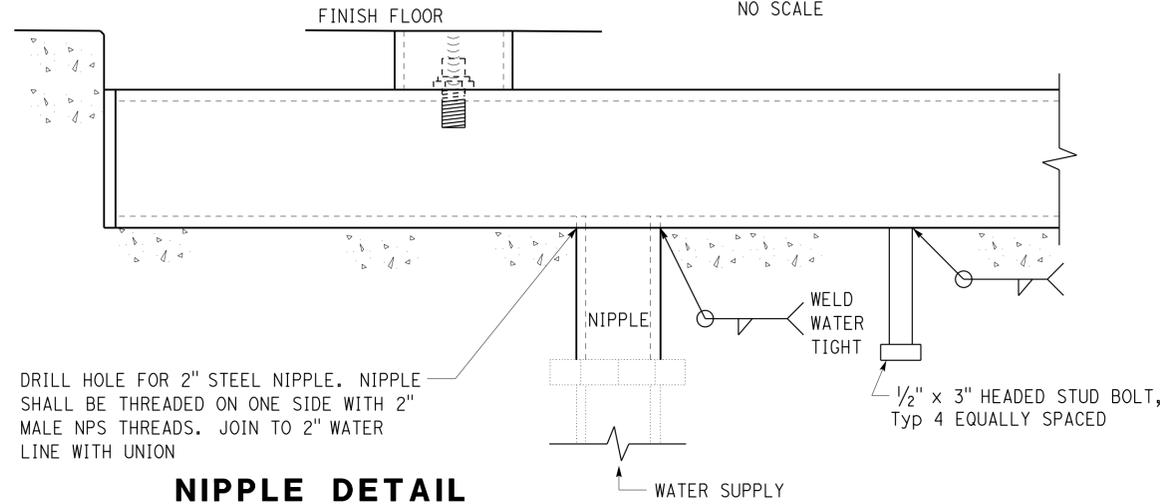
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *Francis Solich*
 FRANCIS SOLICH
 Approval date: 01-02-15



VEHICLE SPRAY BAR

NO SCALE

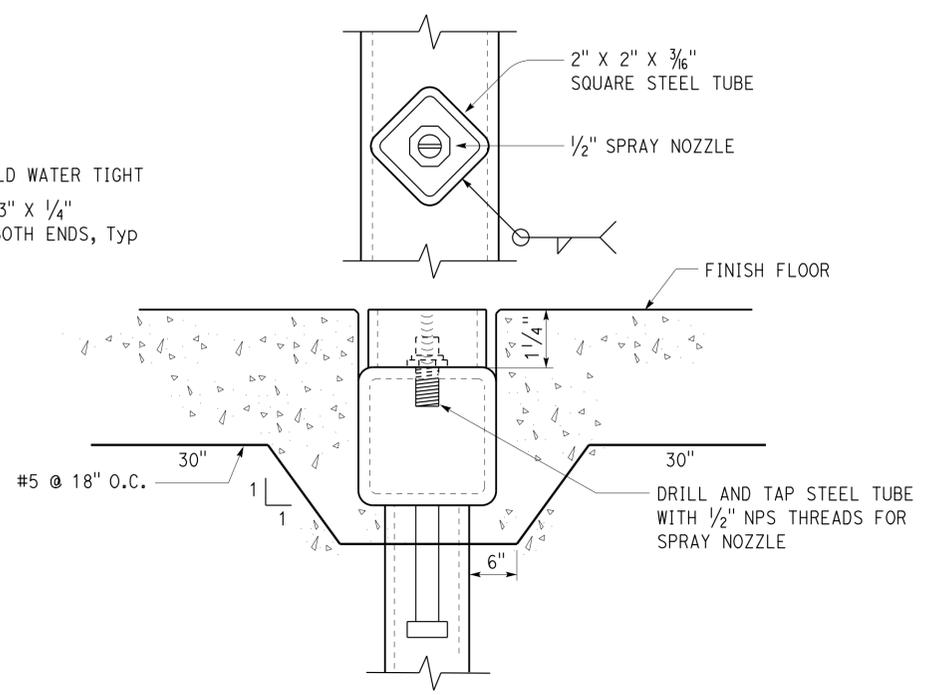


NIPPLE DETAIL

NO SCALE

1 VEHICLE SPRAY BAR DETAIL

NO SCALE



SPRAY NOZZLE DETAIL

NO SCALE

General Note:

1. All steel parts shall be galvanized.
2. No concrete to be placed on top of sq. steel tube.

DESIGN BY Kosha Shah	CHECKED Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	PARADISE VALLEY MAINTENANCE STATION	SHEET SS-12
				54M5724		
DETAILS BY J R Stangl	CHECKED Jerry Marcotte			POST MILE	DETAILS-5	
QUANTITIES BY Kosha Shah	CHECKED Jerry Marcotte					
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3	UNIT: 3616 CONTRACT No.: 000001 PROJECT NUMBER & PHASE: 08120002231	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
TAEWW Imperial - CCSC Rev. 02/13					11-15-13	