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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 BUILDING CONSTRUCTION
IN LOS ANGELES COUNTY
IN MALIBU AT THE
LAS FLORES MAINTENANCE STATION
AT 3503 LAS FLORES CANYON ROAD

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5718		1	56

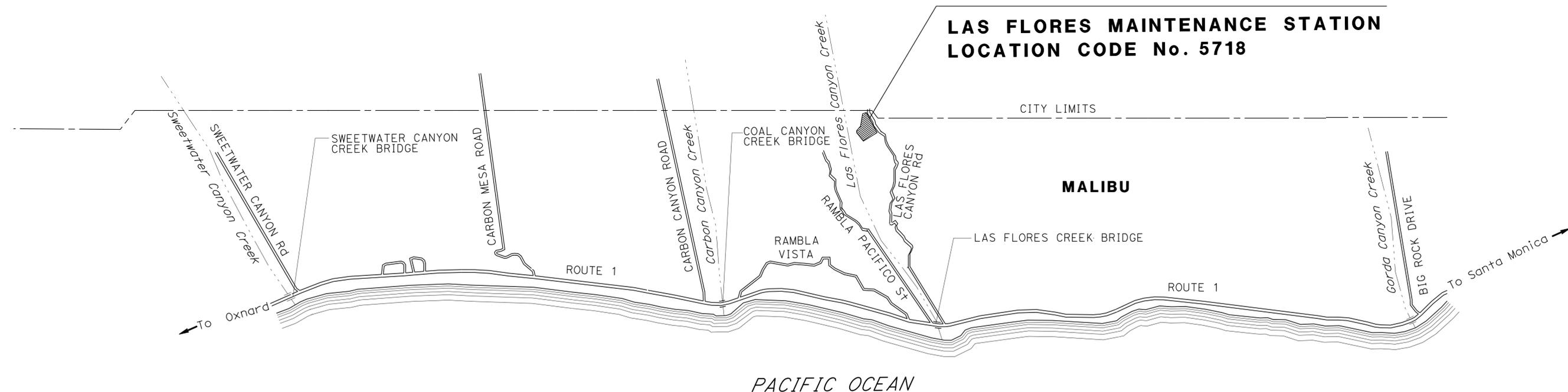




LOCATION MAP



LOCATION OF CONSTRUCTION
LAS FLORES MAINTENANCE STATION
LOCATION CODE No. 5718



NO SCALE

PROJECT MANAGER
CHRISTIAN SAM

DESIGN MANAGER
SHAFIQUL ISLAM

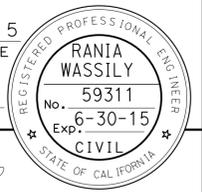
Rania Wassily 3-12-15
 PROJECT ENGINEER REGISTERED CIVIL ENGINEER DATE
 March 16, 2015
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
RANIA WASSILY
 No. 59311
 Exp. 6-30-15
 CIVIL
 STATE OF CALIFORNIA

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

DATE PLOTTED => 13-MAR-2015 TIME PLOTTED => 15:19

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5718		2	56
Rania Wassily		3-12-15			
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>					

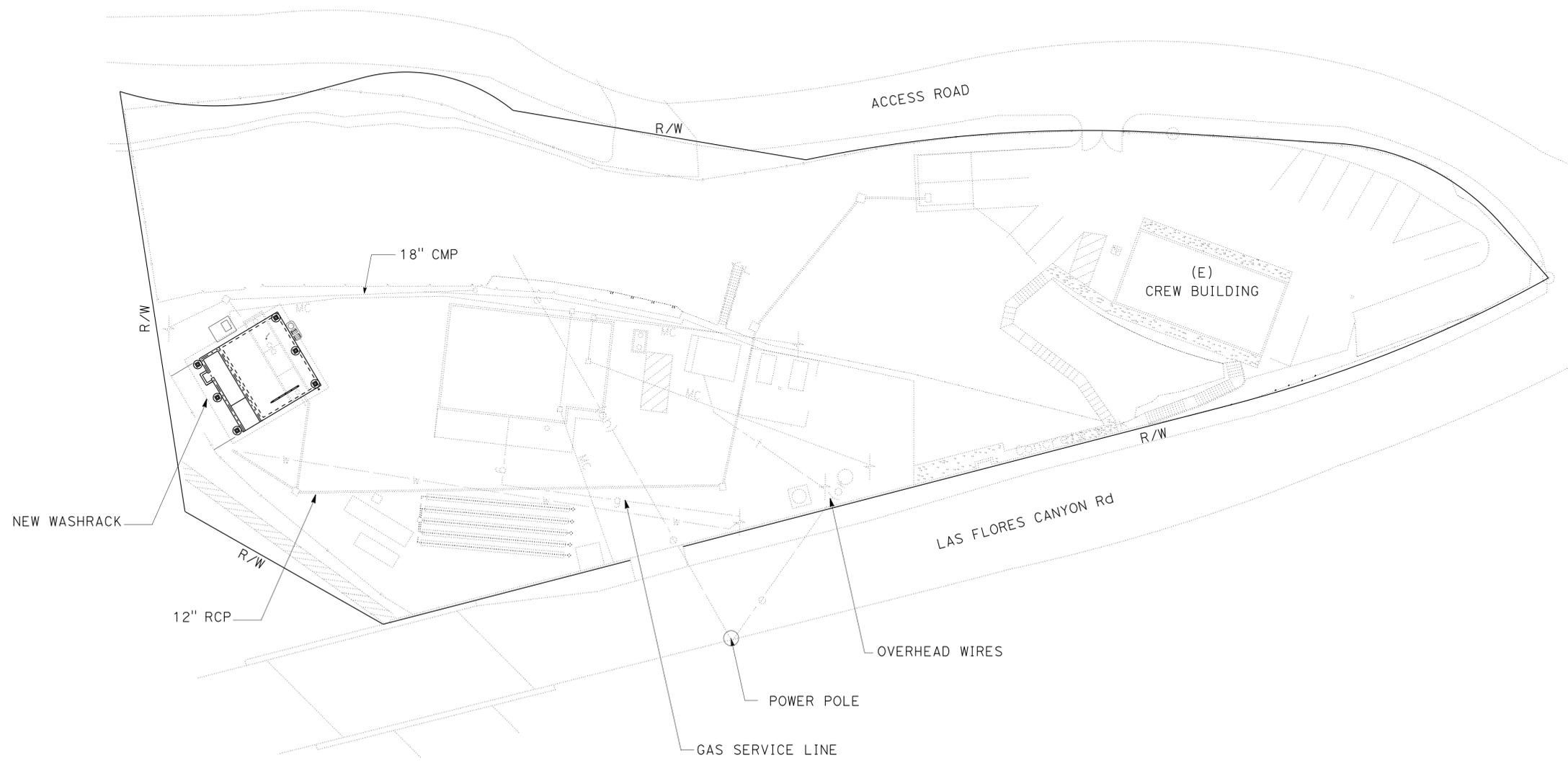


NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- UTILITY PROVIDER:
 GAS - SOUTHERN CALIFORNIA GAS COMPANY
 ELECTRICAL - SOUTHERN CALIFORNIA EDISON
 WATER - LOS ANGELES COUNTY WATERWORKS DISTRICTS

LEGEND:

MC METALLIC CONDUIT



EXISTING UTILITY SITE PLAN

UTILITY PLAN

NO SCALE

U-1

APPROVED FOR UTILITY INFORMATION ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR
Caltrans MAINTENANCE ENGINEERING	SHAFIOUL ISLAM	SHAFIOUL ISLAM	SHAFIOUL ISLAM
		CHECKED BY	DATE REVISED



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5718		3	56

Grace M. Tsushima
REGISTERED CIVIL 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

UNIT OF MEASUREMENT SYMBOLS:

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

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:

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.

REVISED STANDARD PLAN RSP A10B

	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
⊥	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	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5718		4	56

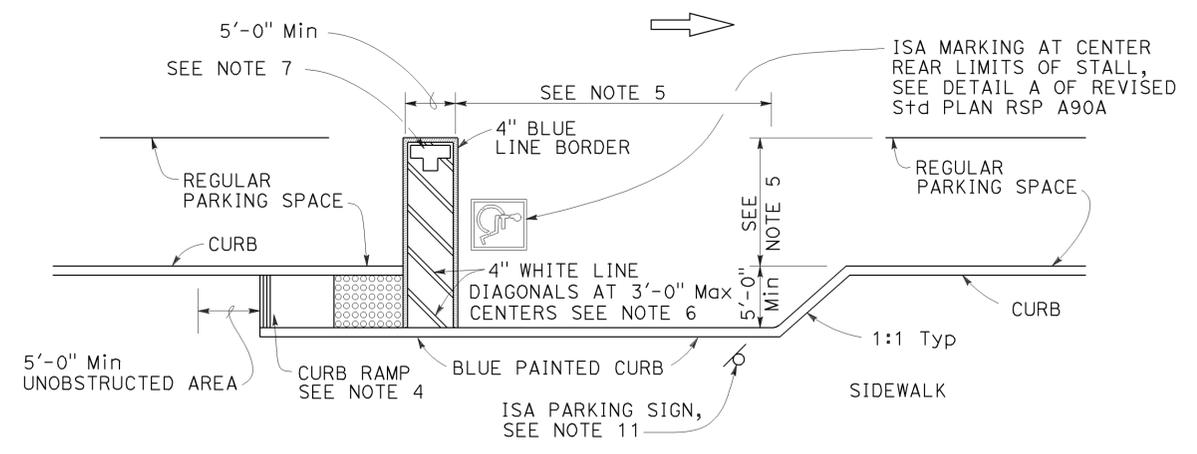
H. David Cordova
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

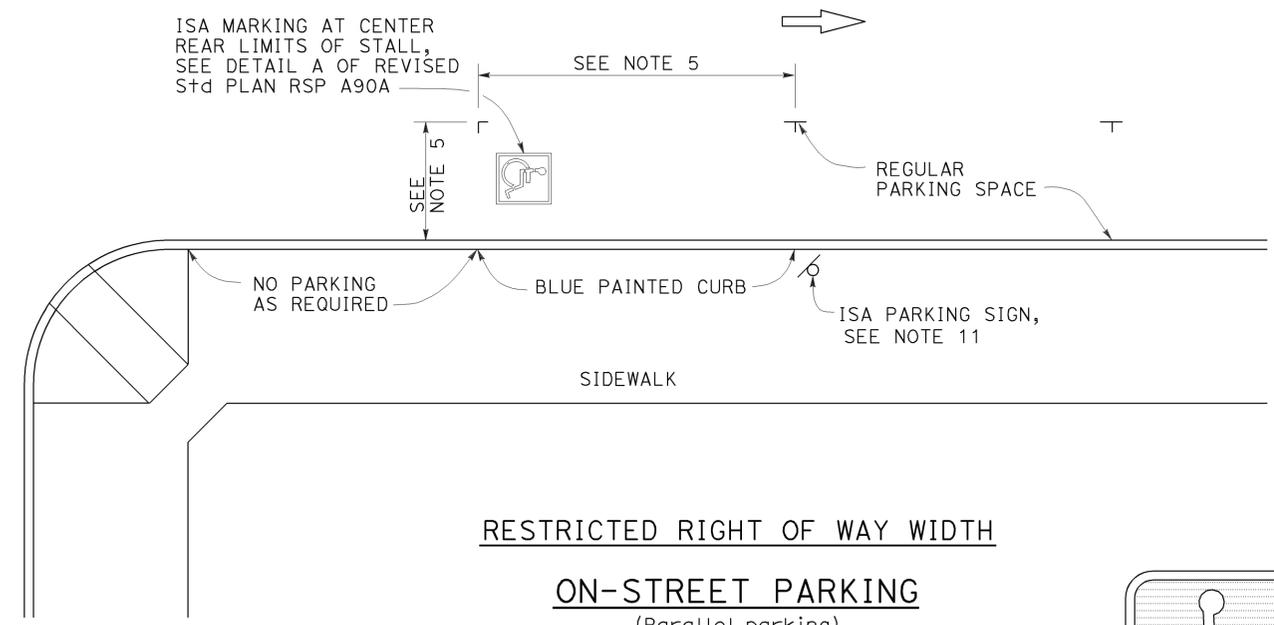
Hector David Cordova
No. C41957
Exp. 3-31-14
CIVIL
STATE OF CALIFORNIA

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.

TO ACCOMPANY PLANS DATED 3-16-15



CONVENTIONAL
(See Note 9)



RESTRICTED RIGHT OF WAY WIDTH
ON-STREET PARKING
(Parallel parking)
(See Note 10)

**NO
PARKING**

PAVEMENT MARKING
See Note 7



SIGN R99 (CA)



PLAQUE R99B (CA)
SIGN R99 (CA) with PLAQUE R99B (CA)
See Note 3



SIGN R99C (CA)
See Note 3

NOTES:

1. Parking spaces shall be so located that persons with disabilities are not compelled to wheel or walk behind parked vehicles other than their own.
2. Surface slopes of accessible on-street parking spaces shall be the minimum feasible.
3. Where Plaque R99B (CA) or Sign R99C (CA) are installed, the bottom of the sign or plaque panel shall be a minimum of 7'-0" above the surrounding surface.
4. Curb ramps shall conform to the details shown on Revised Standard Plan RSP A88A.
5. Accessible on-street parking spaces shall not be smaller in length or width than that specified by the local jurisdiction for other parking spaces, but not less than 20'-0" in length and not less than 8'-0" in width.
6. Blue paint, instead of white may be used for marking accessibility aisles in areas where snow may cause white markings to not be visible.
7. The words "NO PARKING", shall be painted in white letters no less than 1'-0" high on a contrasting background and located so that it is visible to traffic enforcement officials. See Revised Standard Plan RSP A24E for square foot area for painting the words "NO PARKING".
8. There shall be no obstructions on the sidewalk adjacent to and for the full length of the parking space, except for the ISA parking sign shown.
9. The Conventional detail should be the primary choice of accessible on-street parking. However, if the sidewalk lacks adequate space to construct a standard curb ramp, the Restricted Right of Way detail should be used.
10. If the Restricted Right of Way width detail is selected and it conflicts with a bus stop or other uses, this detail may apply to the other end of the block.
11. Accessible Parking Only Sign shall be Sign R99C (CA) or Sign R99 (CA) with Plaque R99B (CA).

LEGEND

ISA = International Symbol of Accessibility

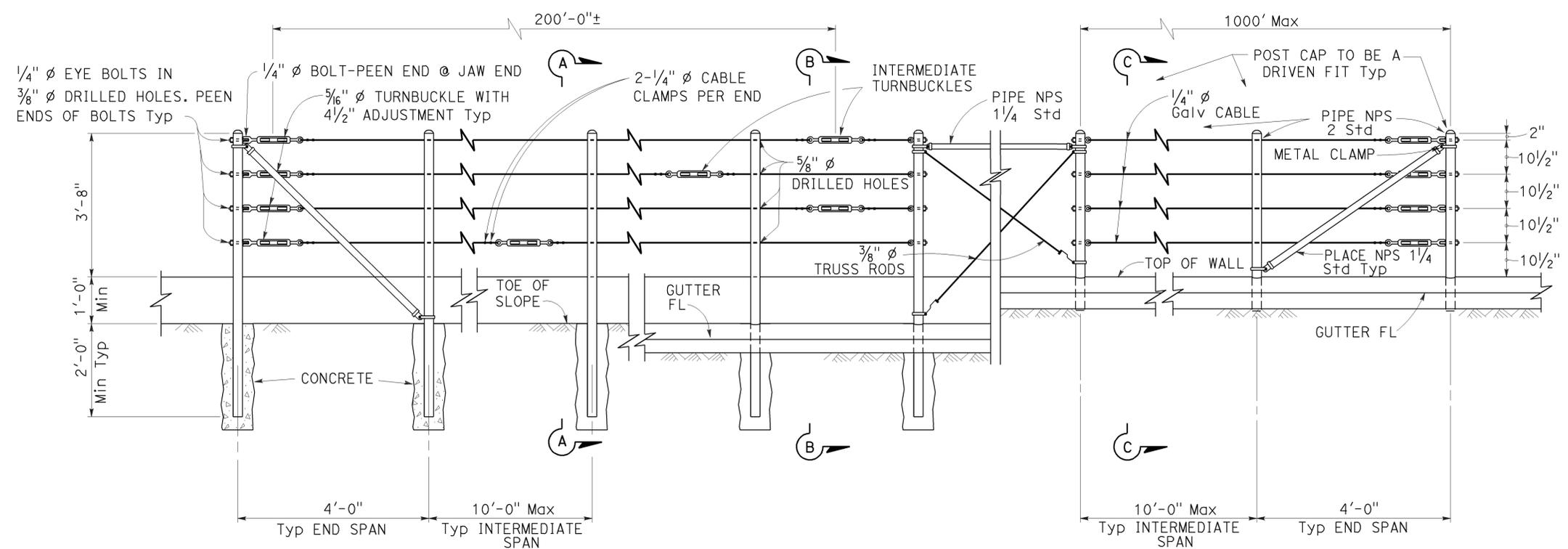
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**ACCESSIBLE PARKING
ON-STREET**

NO SCALE

2010 REVISED STANDARD PLAN RSP A90B

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5718		5	56

REGISTERED CIVIL ENGINEER	
October 21, 2011	
PLANS APPROVAL DATE	
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.	

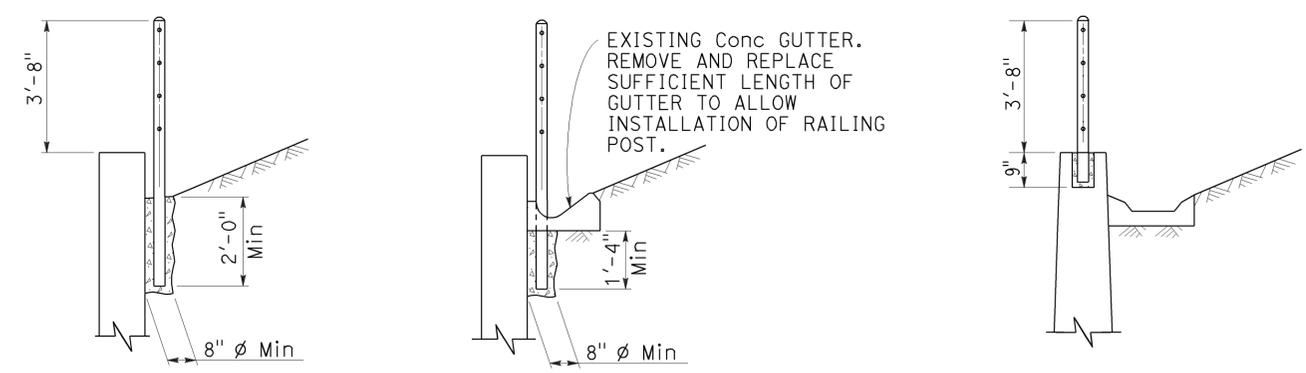


EXISTING WALL (WITHOUT GUTTER) Existing
 RETAINING WALL (WITH GUTTER) Existing
 RETAINING WALL (WITH GUTTER) New construction

ELEVATION

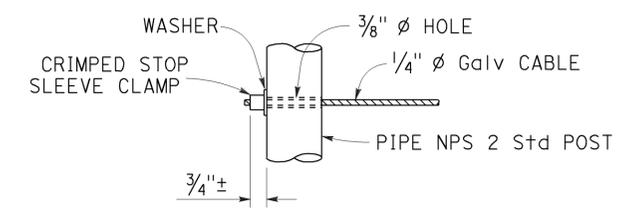
NOTES:

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.

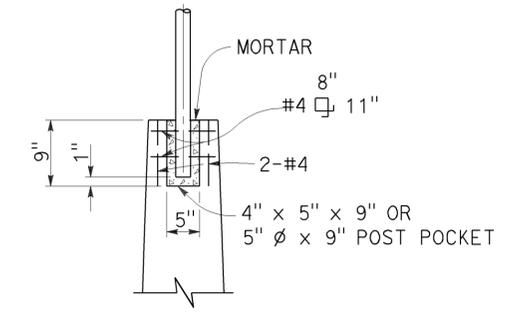


SECTION A-A Existing
 SECTION B-B Existing
 SECTION C-C New construction

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

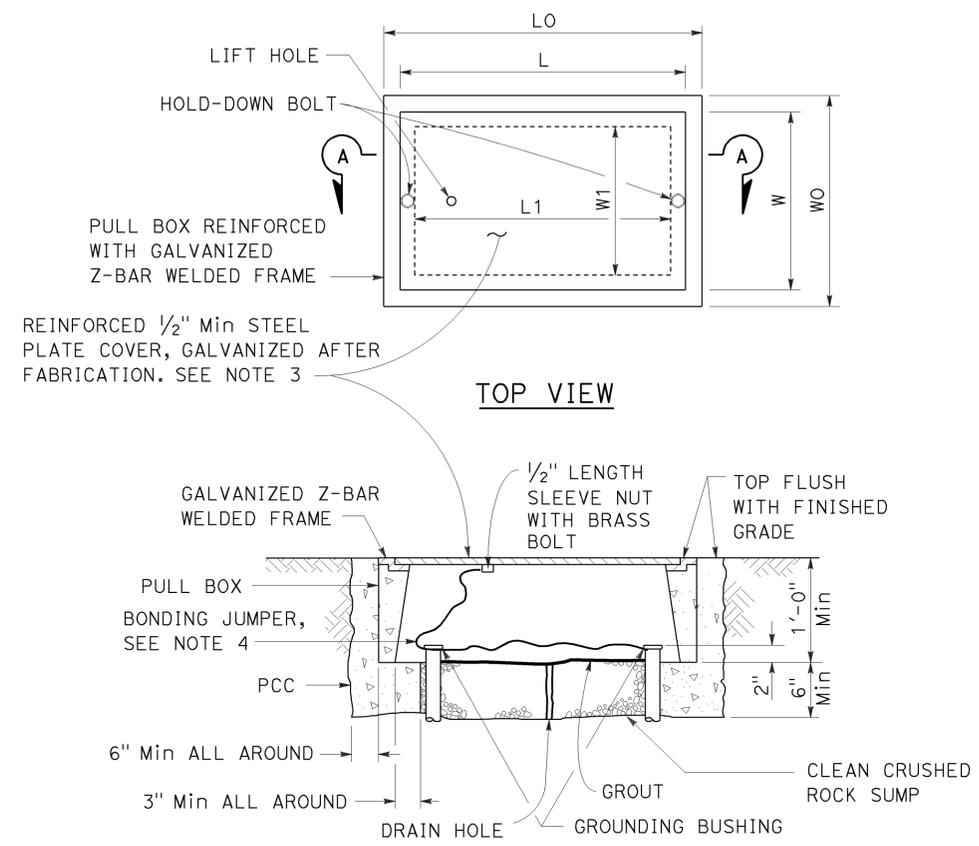
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		6	56

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.

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

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

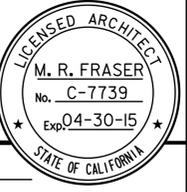
2010 REVISED STANDARD PLAN RSP ES-8B

Note:

For accurate right of way data, contact right of way engineering at the district office.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		7	56

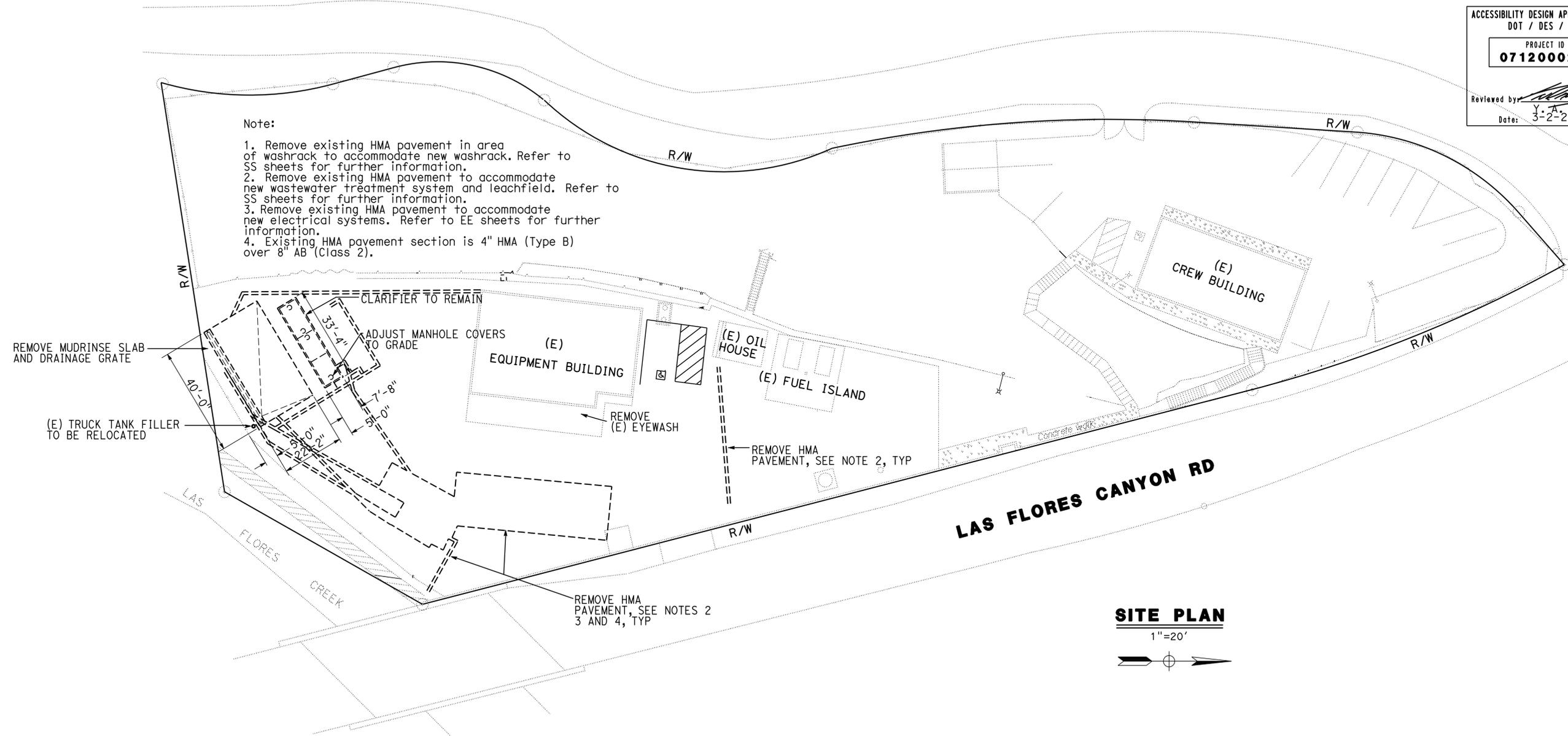
<i>MRJ</i>		3-2-15
LICENSED ARCHITECT	DATE	
3-16-15		
PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.		



ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0712000296 Reviewed by: <i>[Signature]</i> Y. A. WANG Date: 3-2-2015	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>[Signature]</i> ANDREW MCSORLEY Approval date: 3-2-2015 CSFM: 01-19-11-0164-007
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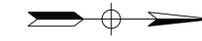
Note:

1. Remove existing HMA pavement in area of washrack to accommodate new washrack. Refer to SS sheets for further information.
2. Remove existing HMA pavement to accommodate new wastewater treatment system and leachfield. Refer to SS sheets for further information.
3. Remove existing HMA pavement to accommodate new electrical systems. Refer to EE sheets for further information.
4. Existing HMA pavement section is 4" HMA (Type B) over 8" AB (Class 2).



SITE PLAN

1"=20'



<i>RE Travis</i> DESIGN SUPERVISOR <i>Donell E. Alsey</i> DESIGN ARCHITECT	DESIGNER Martin Fraser DRAWN BY Martin Fraser	CHECKED BY Don Alsey STRUCTURAL REVIEW Don Alsey	SHEET LEGEND A-I ARCHITECTURAL ST-I STRUCTURAL M-I MECHANICAL EE-I ELECTRICAL P-I PLUMBING SS-I SANITARY	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5718 POST MILE	LAS FLORES MAINTENANCE STATION WASHRACK REMOVAL PLAN	SHEET GP-1
a_removal.dgn		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT PROJECT NUMBER & PHASE 3600 07120002961		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) SHEET OF X X
TAEMWW Imperial Rev. 7/10 10-MAR-2015 11:31				EA 07-1W5101				a_removal.dgn

10-MAR-2015 11:31

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		8	56

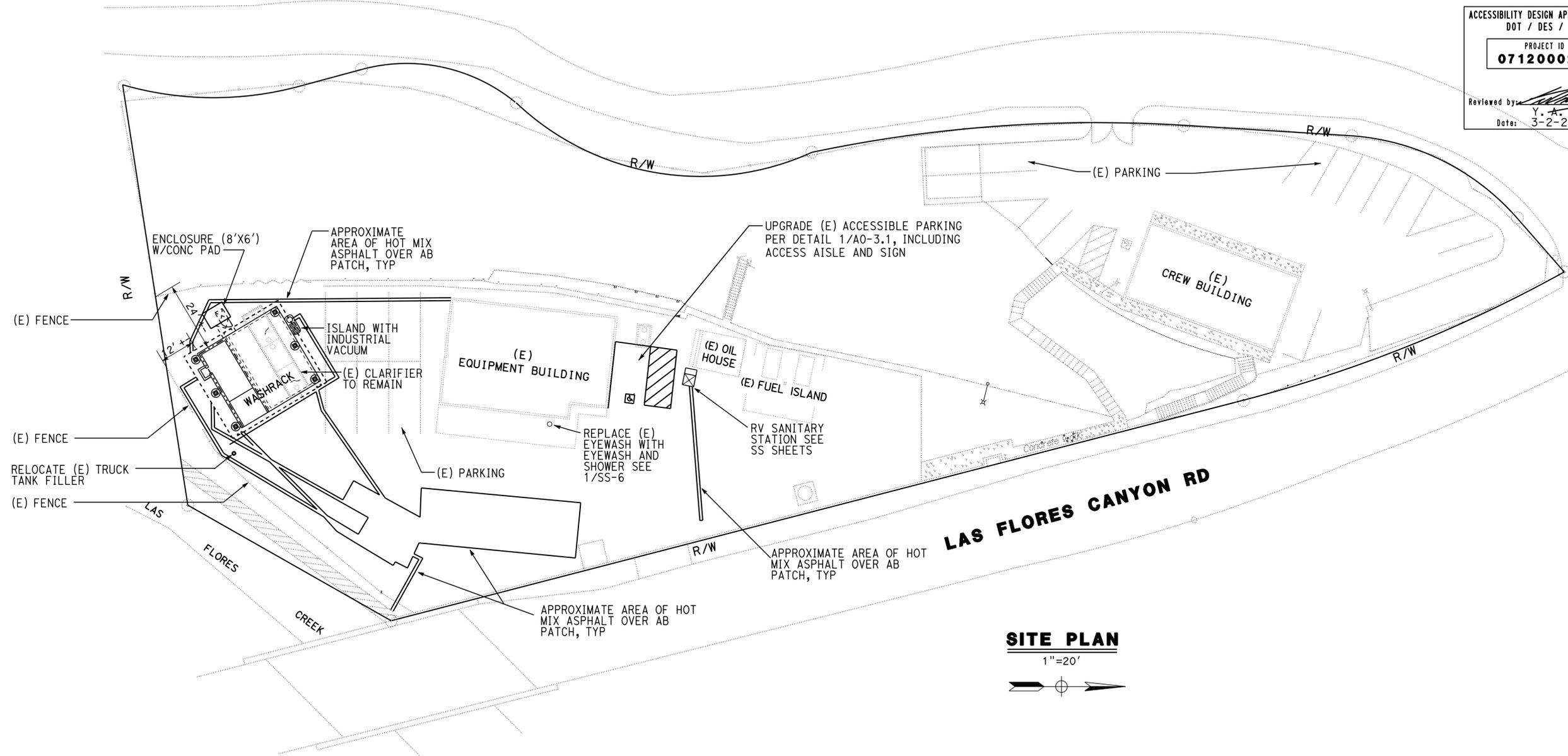
<i>MRJ</i>		3-2-15
LICENSED ARCHITECT	DATE	

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.

Notes:

1. For accurate right of way data contact right of way engineering at the district office.
2. Provide hot mix asphalt (Type A) over AB (Class 2) patch adjacent to concrete washrack, and all other areas where existing HMA has been removed. Refer to SS and EE sheets for further information and extent of new work.
3. Hot mix asphalt section to match existing 4" HMA (Type B) over 8" AB (Class 2) thickness.



ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0712000296 Reviewed by: <i>Y. A. Wang</i> Y. A. WANG Date: 3-2-2015	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>Andrew McSorley</i> ANDREW MCSORLEY Approval date: 3-2-2015 CSFM: 01-19-11-0164-007
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SITE PLAN
1"=20'

<i>R.E. Travis</i> DESIGN SUPERVISOR <i>Donald E. Alsey</i> DESIGN ARCHITECT	DESIGNER Martin Fraser DRAWN BY Martin Fraser	CHECKED BY Don Alsey STRUCTURAL REVIEW Don Alsey	SHEET LEGEND A-I ARCHITECTURAL ST-I STRUCTURAL M-I MECHANICAL EE-I ELECTRICAL P-I PLUMBING SS-I SANITARY	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5718 POST MILE	LAS FLORES MAINTENANCE STATION WASHRACK GENERAL PLAN	SHEET GP-2
gp.dgn	10-MAR-2015 11:31	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE	3600 07120002961	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

10-MAR-2015 11:31

ARCHITECTURAL

- GP-1 REMOVAL PLAN
- GP-2 GENERAL PLAN
- A0-1 INDEX OF SHEETS AND NOTES
- A0-2 ARCH ABBREVIATIONS/BUILDING CODE DATA

- A0-3.1 ACCESSIBILITY STANDARD DETAILS
- A0-3.2 ACCESSIBILITY STANDARD DETAILS
- A0-3.3 ACCESSIBILITY STANDARD DETAILS
- A0-3.4 ACCESSIBILITY STANDARD DETAILS

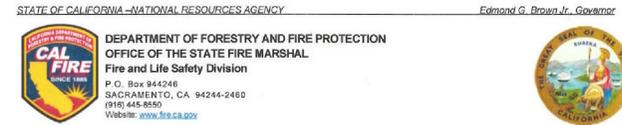
- A-1 FLOOR PLAN
- A-2 ELEVATION
- A-3 ELEVATION
- A-4 ROOF PLAN
- A-5 REFLECTED CEILING PLAN
- A-6 SECTION
- A-7 ELEVATION
- A-8 DETAILS

STRUCTURAL

- ST-1 LEGEND
- ST-2 CONCRETE STANDARD
- ST1-0 DESIGN CRITERIA AND DETAIL NOTES
- ST1-1 FOUNDATION PLAN
- ST1-2 ROOF FRAMING PLAN
- ST1-3 SECTION DETAILS
- ST1-4 SECTION DETAILS
- ST1-5 FOUNDATION DETAILS
- ST1-6 OUTLET BOX SECTIONS
- ST1-7 ROOF FRAMING DETAILS 1
- ST1-8 ROOF FRAMING DETAILS 2

ELECTRICAL

- EE0-0 LEGEND
- EE0-1 LEGEND
- EE0-2 OLTG COMPLIANCE FORMS-1 & 2 OF 4
- EE0-3 OLTG COMPLIANCE FORMS-3 & 4 OF 4
- EE1-1 SITE PLAN
- EE1-2 POWER PLAN
- EE1-3 LIGHTING PLAN
- EE1-4 CLARIFIER TANK PUMP CONTROL PANEL
- EE1-5 CLARIFIER TANK PUMP CONTROL SCHEMATIC DIAGRAM
- EE1-6 PANEL SCHEDULE



LOCAL FIRE AUTHORITY - ACCESS APPROVAL

Project: LAS FLORES MAINTENANCE STATION WASHRACK
 Address: 3503 LAS FLORES CANYON RD, MALIBU
 CSFM File Number: _____ DGS Project #: _____
(Only if applicable) (Only if applicable)

Pursuant to Title 19, California Code of Regulations, Article 3, Section 3.05, Fire Department Access and Egress, it is necessary to provide the California State Fire Marshal with written certification from the local fire authority that the above section is being met to their satisfaction.

Please return this form with all sections filled in completely. Without this form, California State Fire Marshal approval may be delayed. If you have any questions, please contact the California State Fire Marshal Plan Review Unit at (916) 445-8550.

The local fire authority shall consider the following items,

Approved	Yes	No	
Fire Department Access			N/A
Fire Department Connection			N/A
Fire Hydrant			N/A
Fire Alarm Annunciator			N/A
Fire Alarm Control Panel			N/A
Knox Box			N/A
Emergency Responder Radio Coverage			N/A

Local Fire Authority: LOS ANGELES COUNTY FIRE DEPARTMENT
 Address: 26100 ALPINE ROAD, SUITE 110, LA
 City/State/ZIP: CHATHAM, CALIFORNIA 91302

Approval issued by: NA
 Rank/Title: FIRE PREVENTION ENGINEERING ASST 2
 Phone Number: 818-880-0341
 Signature: JOHNNIE MCGEE Date: 1-14-15

WATER / SANITARY

- SS-0 NOTES, LEGENDS AND ABBREVIATIONS
- SS-1 EXISTING WASHRACK
- SS-2 MODIFIED WASHRACK
- SS-3 WASHRACK DETAILS
- SS-4-1 OIL-SAND/WATER SEPARATOR
- SS-4-2 CLARIFIER TANK
- SS-5 DETAILS
- SS-6 DETAILS
- SS-7 DETAILS
- SS-8 DETAILS
- SS-9 LEACHFIELD DETAILS
- SS-10 LEACHFIELD DETAILS
- SS-11 RV SANITARY STATION

Accessibility Notes

(Items 1 thru 5 are for information only)

- Per 2013 CBC Sec.11B-206.2.1 Exception 2, Pedestrian Path of Travel (POT) is not required between site arrival point and the new washrack, as the only means of access to the new bldg is a vehicular way not providing pedestrian access.
- Per 2013 CBC Sec.11B-206.2.2 Exception, POT is not required between the new washrack and existing accessible bldgs/ facilities/ elements on site as the only means of access to the new washrack is vehicular ways not providing pedestrian access.
- POT between the new washrack and new equipment enclosure is provided via the 60 inches x 60 inches clear level area between the two structures.
- The interior areas of the new washrack and new equipment enclosure are fully accessible, except for the sediment pit, which is exempt as stated in Item 5 below.
- Refer to Standard Exemption document on file for applicable elements exempt from access compliance.

(Items 6 and 7 are for the Contractor)

- Door at the new equipment enclosure must have clear level areas on both sides of doors W/Max 1.5% slope in any direction. Clear level area at door front approach in the direction of door swing must be Min 60 inches deep x 60 inches wide (including Min 24 inches pass door strike edge) on the exterior side, and in the direction opposite door swing must be Min. 48 inches deep x 36 inches wide on the interior side.
- Any level change at such doorway, including threshold thickness, and any level change between clear level area and the new wash rack interior slab must be Max 1/2 inch W/Max 1:2 slope. Level change not exceeding 1/4 inch may be vertical.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		9	56

MRJ
 LICENSED ARCHITECT DATE 3-2-15

3-16-15
 PLANS APPROVAL DATE

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

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0712000296 Reviewed by: <u>Y. A. WANG</u> Date: 3-2-2015	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: <u>ANDREW MCSORLEY</u> Approval date: 3-2-2015 CSFM: 01-19-11-0164-007
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ARCHITECTURAL ABBREVIATIONS

&	AND	EPB	ELECTRICAL PANELBOARD	M	METER	S	SOUTH
L	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, Ext	EXTERIOR	MEMB	MEMBRANE	SFM	SQUARE FEET
		FD	FLOOR DRAIN	MET	METAL	SH	STATE FIRE MARSHAL
A/C	AIR CONDITIONING	FDN	FOUNDATION	MFR, Mfr	MANUFACTURER	SHW	SHOWER
AC	ASPHALT CONCRETE	FE	FIRE EXTINGUISHER	MH	MAN HOLE	SHT	SHEET
AB	ANCHOR BOLT	FEC	FIRE EXTINGUISHER CABINET	MIN	MINIMUM	SHTG	SHEATHING
ABV, Abv	ABOVE	FG	FINISH GRADE	MISC	MISCELLANEOUS	SIM	SIMILAR
ACOUS	ACOUSTICAL	FH	FIRE HYDRANT	MIW	MALLEABLE IRON WASHER	SMS	SHEET METAL
ADA	AMERICANS WITH DISABILITIES ACT	FHC	FIRE HOSE CABINET	MM	MILLIMETER	SOHD	SECTIONAL OVERHEAD DOOR
ADJ	ADJUSTABLE	FHS	FLATHEAD METAL SCREW	MO	MASONRY OPENING	SPEC	SPECIFICATION
ALT	ALTERNATE	FHW	FLATHEAD WOOD SCREW	MTD	MOUNTED	SPS	STRUCTURAL PLYWOOD
ALUM	ALUMINUM	FIN, Fin	FINISH	MUL	MULLION	SQ	SQUARE
APA	AMERICAN PLYWOOD ASSOCIATION	FJ	FLOOR JOIST	N	NORTH	SRRA	SAFETY ROADSIDE REST AREA
ARCH, Arch	ARCHITECTURAL, ARCHITECT	FL	FLOOR	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	SS	SERVICE SINK
ASPH	ASPHALT	FLR	FLOOR	NO	NUMBER	SST	STAINLESS STEEL
BD	BOARD	FLUOR	FLUORESCENT	NOM	NOMINAL	STA	STATION
BIT	BITUMINOUS	FOC	FACE OF CONCRETE	NTS	NOT TO SCALE	STAG	STAGGER
BLDG, Bldg	BUILDING	FOF	FACE OF FINISH	NA	NOT APPLICABLE	STD	STANDARD
BLKG	BLOCKING	FOS	FACE OF STUD	OBSC	OBSCURE	STL	STEEL
BM	BEAM	FRP	FIBERGLASS REINFORCED PANEL	OC	ON CENTER	STOR	STORAGE
BN	BOUNDARY NAILING	FT	FEET, FOOT	OD	OUTSIDE DIAMETER	STRUC	STRUCTURAL
BOT	BOTTOM	FTG	FOOTING	OFF	OFFICE	SUSP	SUSPENDED
BR	BRIDGE	FURR	FURRING	OH	OPPOSITE HAND	T	TREAD
BTWN	BETWEEN	FWY	FREEWAY	OHD	OVERHEAD	T&G	TONGUE & GROOVE
BUR	BUILT-UP-ROOFING	GA	GAUGE	OHWS	OVALHEAD WOOD SCREW	TB	TOLL BOOTH
CA	CALIFORNIA	GAL	GALLON	OPNG	OPENING	TEL	TELEPHONE
CCR	CALIFORNIA CODE OF REGULATIONS	GALV	GALVANIZED	OPP	OPPOSITE	TEMP	TEMPERED
CL	CHAIN LINK	GB	GRAB BAR	OPT	OPTION, OPTIONAL	TER	TERRAZZO
CEM	CEMENT	GI	GALVANIZED IRON	P	PITCH	THK	THICK
CER	CERAMIC	GL	GLASS	PB	POST BASE	THLD	THRESHOLD
CIP	CAST IN PLACE	GLM	GLUE LAMINATED MEMBER	PC	POST CAP	TJ	TOOLED JOINT
CKBD	CHALKBOARD	GR, Gr	GRADE	PCC	PORTLAND CEMENT CONCRETE	TKBD	TACKBOARD
CLG	CEILING	GSM	GALVANIZED SHEET METAL	PH	PHILLIPS HEAD	TN	TOE NAIL
CMU	CONCRETE MASONRY UNIT	GYBD	GYPSUM BOARD	PL	PLATE	TOC	TOP OF CURB OR CONCRETE
CLO	CLOSET	GYP SHTG	GYPSUM SHEATHING	PLAM	PLASTIC LAMINATE	TOP	TOP OF PAVEMENT
CLR	CLEAR	HB	HOSE BIB	PLAS	PLASTER	TOS	TOE OF SLOPE
COL	COLUMN	HC	HOLLOW CORE	PLWD	PLYWOOD	TOT	TOTAL
CONC	CONCRETE	HD	HEAD, HOLD DOWN	PMF	PRESSED METAL FRAME	TOW	TOP OF WALL
CONN	CONNECTION	HDR	HEADER	POT	PATH OF TRAVEL	TS	TUBULAR STEEL
CONST	CONSTRUCTION	HDWR	HARDWOOD	PR	PAIR	TSCD	TOILET SEAT COVER DISPENSER
CONT	CONTINUOUS	HEX	HEXAGONAL	PRTN	PARTITION	TTD	TOILET TISSUE DISPENSER
CORR	CORRIDOR	HFM	HEMLOCK-FIR HANGER	PT	POINT	TYP	TYPICAL
CPT	CARPET	HM	HOLLOW METAL	PTD	PAPER TOWEL DISPENSER	UNF	UNFINISHED
CT	CERAMIC TILE	HORIZ	HORIZONTAL	PTD/R	COMBINATION PTD & WASTE RECEPTACLE	UON	UNLESS OTHERWISE NOTED
CTR	CENTER	HP	HIGH POINT	PVC	POLYVINYL CHLORIDE	UR	URINAL
CTSK	COUNTERSUNK	HR	HOUR	PWB	PREFABRICATED WOOD I BEAM	VAR	VARIES
CY	CUBIC YARD	HSB	HIGH STRENGTH BOLT	QT	QUARRY TILE	VCT	VINYL COMPOSITION TILE
DBL	DOUBLE	HT, Ht	HEIGHT	(R)	RELOCATED	VERT	VERTICAL
DEPT	DEPARTMENT	HVAC	HEATING, VENTILATING, AIR CONDITIONING	R	RADIUS, RISER	VEST	VESTIBULE
DET	DETAIL	HWY	HIGHWAY	R/W	RIGHT OF WAY	VR	VENT RISER
DF	DOUGLAS FIR	ID	INSIDE DIAMETER	RD	ROOF DRAIN	VTR	VENT THROUGH ROOF
DIA	DIAMETER	IN	INCH	RDWD	REDWOOD	W	WEST
DIM	DIMENSION	INSUL	INSULATION	REF	REFERENCE	W/	WITH
DN	DOWN	INT	INTERIOR	REFG	REFRIGERATOR	W/O	WITHOUT
DP	DEEP	ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY	REINF	REINFORCED(ING)	WC	WATER CLOSET
DR	DOOR	JAN	JANITOR	REQ, Req	REQUIRED	WD	WOOD
DR	DOWNSPOUT	JB	JUNCTION BOX	RFG	ROOFING	WDW	WINDOW
DS	DRAWING	JH	JOIST HANGER	RFSWN	ROUGHSAWN	WH	WATER HEATER
DWG	DRAWING	JH	JOIST HANGER	RH	ROUND HEAD	WP	WORKING POINT
DWR	DRAWER	JST	JOIST	RHS	ROUNDHEAD WOOD SCREW	WR	WATER RESISTANT WAINSCOT
(E)	EXISTING	JT	JOINT	RJ	ROUGH OPENING	WSCT	WEIGHT
E	EAST	KIT	KITCHEN	RM	ROOM	WT	WATERPROOFING
EA	EACH	LAB	LABORATORY	RO	ROUGH OPENING	WTPR	WATERPROOFING
EHD	ELECTRIC HAND DRYER	LAV	LAVATORY	RSWN	RESAWN	WWF	WELDED WIRE FABRIC
EJ	EXPANSION JOINT	LBF	POUND FORCE	RTE	ROUTE	YD	YARD
EL	ELEVATION (HEIGHT)	LBS	POUNDS	RWL	RAINWATER LEADER		
ELEV	ELECTRICAL ELEVATION (VIEW)	LF	LINEAR FEET				
ELEV	ELEVATION (VIEW)	LKR	LOCKER				
EMER	EMERGENCY	LPG	LIQUIFIED PETROLEUM GAS				
ENCL	ENCLOSURE	LS	LAG SCREW				
EQ	EQUAL						

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	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		10	56

MRJ 3-2-15
 LICENSED ARCHITECT DATE
 LICENSED ARCHITECT M. R. FRASER No. C-7739 Exp. 04-30-15
 STATE OF CALIFORNIA
 3-16-15
 PLANS APPROVAL DATE
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0712000296	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>[Signature]</i> Y. A. WANG Date: 3-2-2015	Reviewed by: <i>[Signature]</i> ANDREW MCSORLEY Approval date: 3-2-2015 CSFM: 01-19-11-0164-007

GENERAL NOTES

- Verify all controlling dimensions and field conditions before ordering or fabricating any materials or assemblies.
- 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 designed to conform to the 2013 Edition of Title 24, California Code of Regulations:

Title 19, CCR, Public Safety, SFM Regulations
 2013 CA Administrative Code Title 24, Pt 1
 2013 CA Building Code (CBC) Title 24, Pt 2
 2013 CA Electrical Code (CEC) Title 24, Pt 3
 2013 CA Mechanical Code (CMC) Title 24, Pt 4
 2013 CA Plumbing Code (CPC) Title 24, Pt 5
 2013 CA Energy Code CCR Title 24, Pt 6
 2013 CA Fire Code (CFC) CCR Title 24, Pt 9
 2013 CA Green Building Standards Title 24, Pt 11
 2013 CA Referenced Standards Title 24, Pt 12
 2010 ADA Standards
 2013 NFPA 13, Sprinkler Systems (CA Amended)
 2013 NFPA 14, Standpipe Systems (CA Amended)
 2013 NFPA 20, Pumps for Fire Protection
 2013 NFPA 24, Fire Service Mains (CA Amended)
 2013 NFPA 72, Fire Alarm Code (CA Amended)

SCOPE OF WORK

Remove existing mud rinse facility and construct new washrack facility and associated wash water and infiltration systems.

BUILDING DATA THIS PROJECT IS IN COMPLIANCE

OCCUPANCY	CONSTRUCTION TYPE	NUMBER OF STORIES	BUILDING HEIGHT	BUILDING AREA	AREA OF PROJECT	SEPARATED OR NON-SEPARATED USE	ALLOWABLE AREA	AREA INCREASES	HEIGHT INCREASES	FIRE SPRINKLERED	FIRE ALARM	OTHER FIRE PROTECTION SYSTEMS IF ANY	SMOKE CONTROL SYSTEM	OCCUPANT LOAD	YEAR BUILDING CONSTRUCTED	HIGH FIRE HAZARD ZONE	SEISMIC JOINTS	EMERGENCY RESPONDER RADIO COVERAGE
B	V-B	1	25'-0"	1113 SF	1113 SF	NA	9000 SF	NO	NO	NOT REQ	NOT REQ	NO	NOT REQ	0	NEW	YES	NO	YES

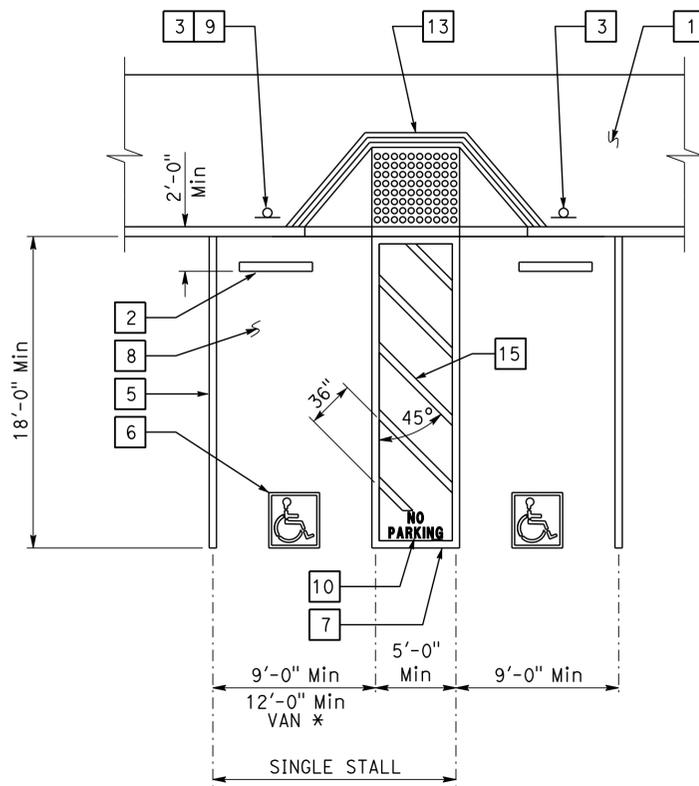
DESIGN BY Martin Fraser CHECKED <i>Ronald E. Alvey</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5718 POST MILE	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET A0-2
DETAILS BY Martin Fraser CHECKED <i>Ronald E. Alvey</i>				ARCH ABBREVIATIONS/BUILDING DATA	
QUANTITIES BY CHECKED					

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		II	56

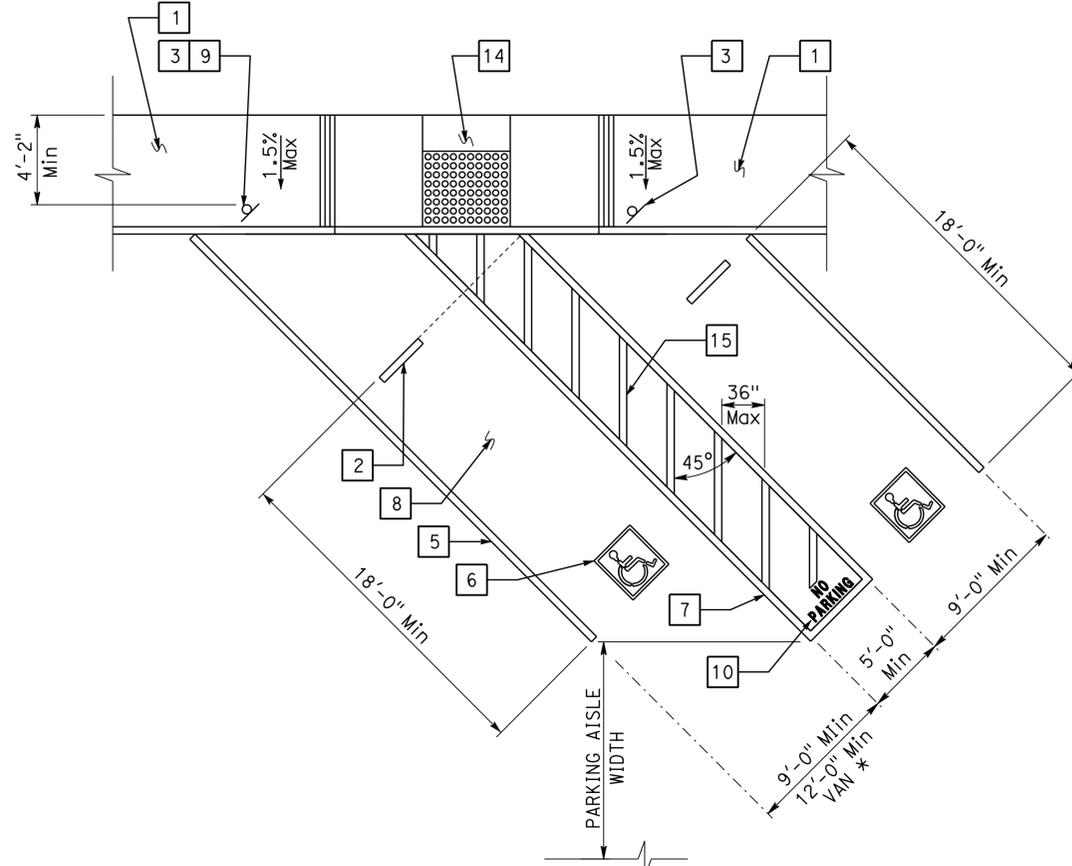
 LICENSED ARCHITECT		09-05-14 DATE	
3-16-15 PLANS APPROVAL DATE		<i>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.</i>	

KEYED NOTE LEGEND FOR DETAILS

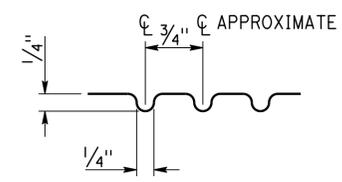
- Concrete walkway (where occurs). See plans for width, layout (may vary), finish, joints and elevations.
- Parking bumper (away from access aisle). See Specifications.
- Accessible parking space signage. See Detail 1 on sheet A0-3.2.
- 1' wide grooved border on level surface Typ at ramp perimeter. See Detail 3 on this sheet.
- 4" wide white parking stall designation stripe. See site plan(s) for additional stall striping. See specifications for painting.
- Accessible parking surface identification painted on pavement. See Detail 6 on sheet A0-3.2.
- 4" wide blue border designating non-parking access aisle to curb ramp. Access aisle must be on passenger side only.
- "NO PARKING" in Min 12" high white letters to be placed within access aisle to curb ramp. See Standard Plan RSP A90B.
- Level landing -1.5% Max slope W/36" deep detectable warning surface adjoining access aisle or vehicular way. See Detail 6 on this sheet.
- Detectable warning surface to extend full width and 36" deep. See Detail 6 on this sheet. The edge of detectable warning surface nearest the street must be between 6" and 8" from the gutter flow line.
- Curb ramp. See Detail 4 on this sheet. Also see plans for width and layout (may vary).
- Curb ramp. See Detail 5 on this sheet. Also see plans for width and layout (may vary).
- 4" wide hatched lines at 36" OC. Color to contrast with aisle surface, preferably blue or white.



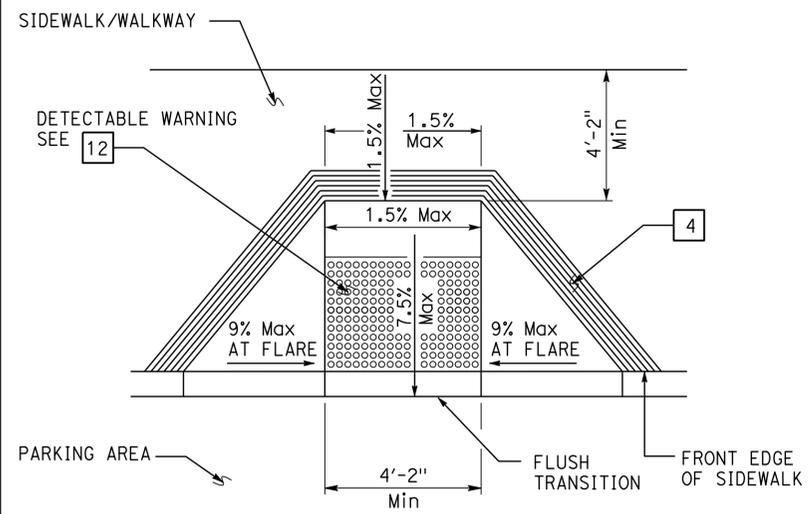
1 ACCESSIBLE PARKING STALL
 * 9'-0" Min van parking allowed w/ 8'-0" Min access aisle.



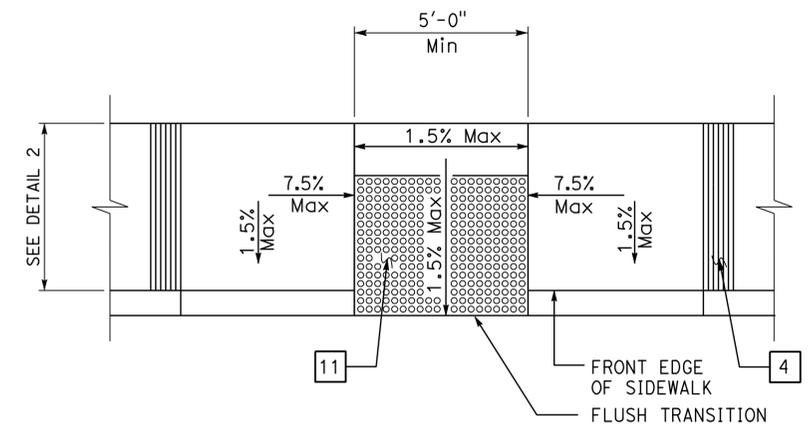
2 DIAGONAL ACCESSIBLE PARKING STALL
 See plan for any variation of diagonal parking. Angle of parking stalls are indicated on plans or matching any existing angle.



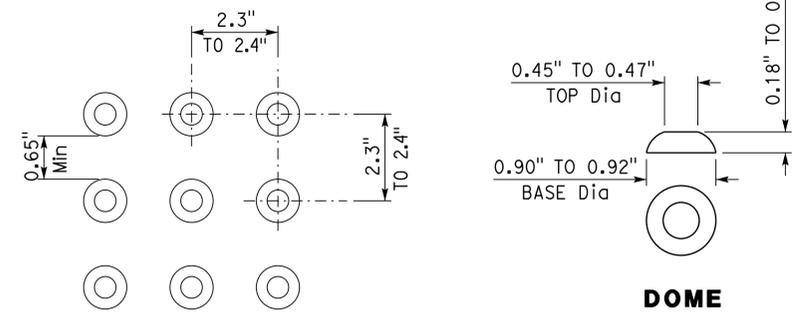
3 GROOVE DETAIL



4 PERPENDICULAR CURB RAMP



5 PARALLEL CURB RAMP



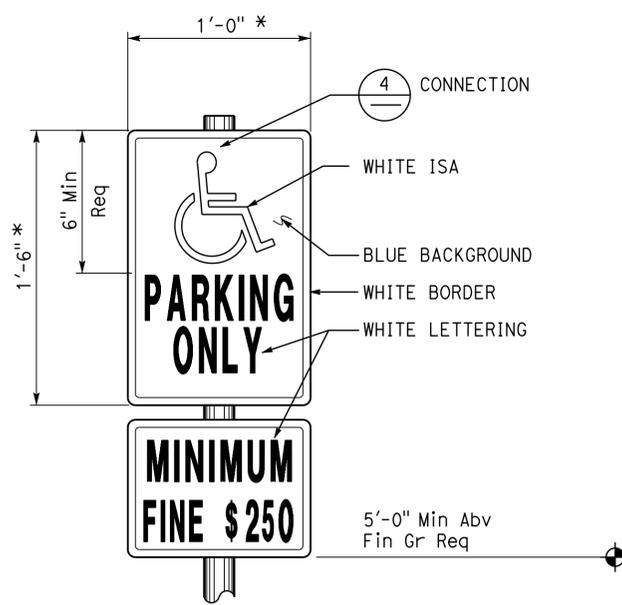
6 DETECTABLE WARNING SURFACE - TRUNCATED DOMES

DETAILS
 No scale unless otherwise noted.

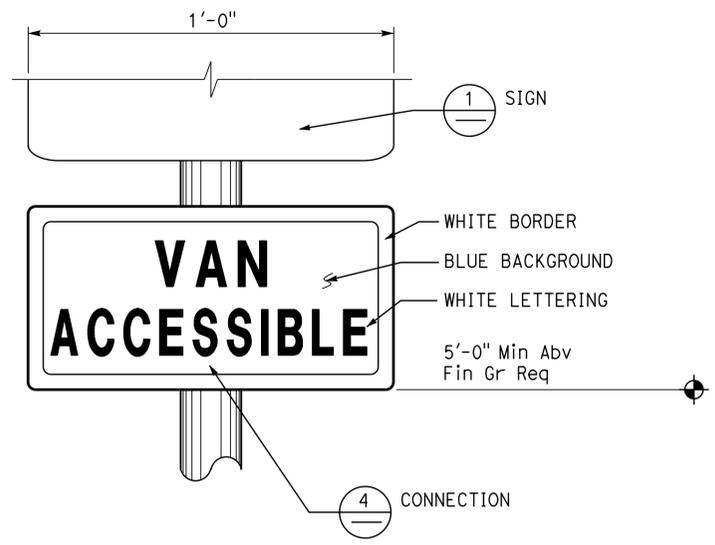
NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO. 5718		LAS FLORES MAINTENANCE STATION WASHRACK		SHEET A0-3.1	
FILE NO. 09-14	DESIGN BY D. Aalsey	CHECKED Y. A. Wang	APPROVED R.E. Travin	DEPARTMENT OF TRANSPORTATION		ARCHITECTURAL AND STRUCTURAL DESIGN		POST MILE		ACCESSIBILITY STANDARD DETAILS		SHEET OF	
SUBMITTED BY Y.A. Wang				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT PROJECT NUMBER & PHASE 3600 07120002961		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
TAEMWW Imperial Rev. 7/10 10-MAR-2015 11:31				0 1 2 3		EA 07-1W5101		- 07				a0_03a.dgn	

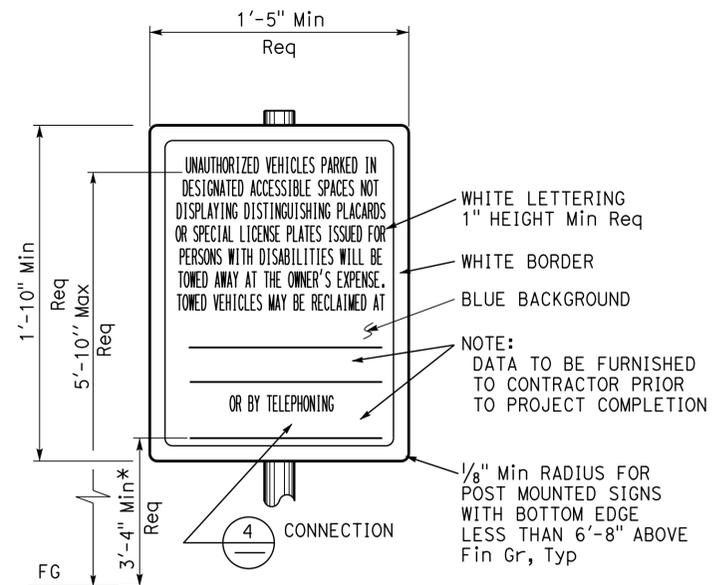
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		12	56
 LICENSED ARCHITECT			09-05-14 DATE		
3-16-15 PLANS APPROVAL DATE					
<i>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.</i>					



1 ACCESSIBLE PARKING SIGN
 Refer to Site Plan for locations.
 Combo sign may be used.
 * Min area 70 Sq in Req

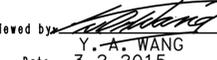
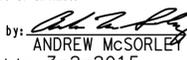


2 ACCESSIBLE VAN PARKING SIGN
 Refer to Site Plan for locations.
 Combo sign may be used.

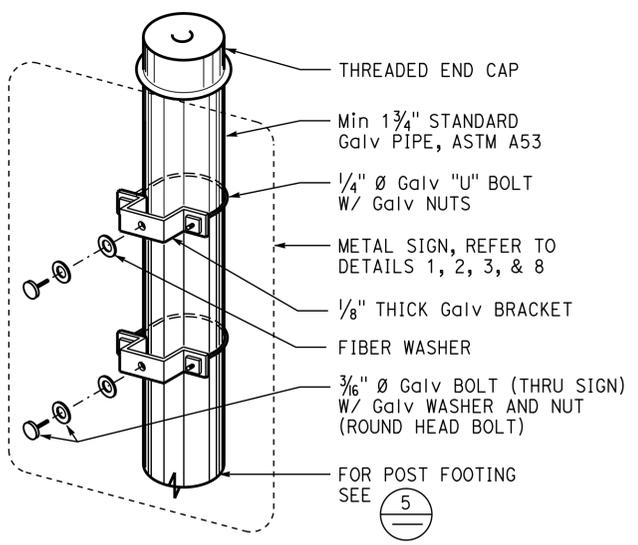


3 UNAUTHORIZED VEHICLES PARKING SIGN
 Refer to Site Plan for locations. Colors may vary.
 Sign must not be posted in a path of travel.
 * To baseline of visual characters of numbers.

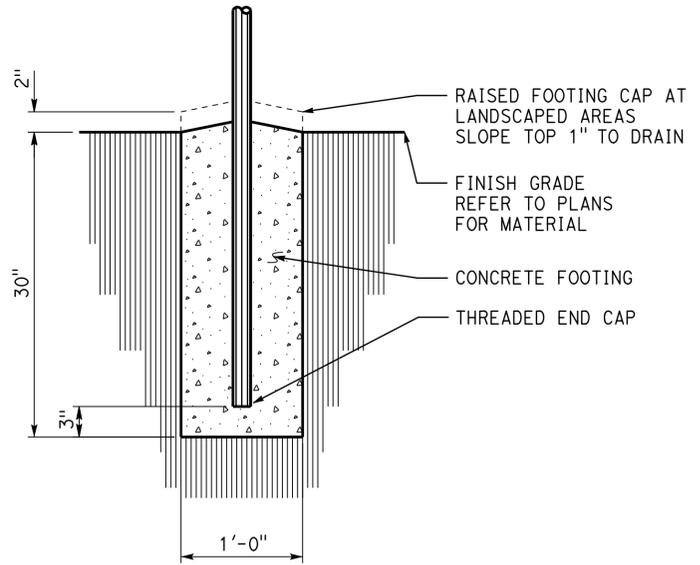
Note:
 All listed sign sizes and mounting heights are recommended, unless otherwise noted as required.

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0712000296	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals 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: 3-2-2015	Reviewed by:  ANDREW MCSORLEY Approval date: 3-2-2015 CSFM: 01-19-11-0164-007

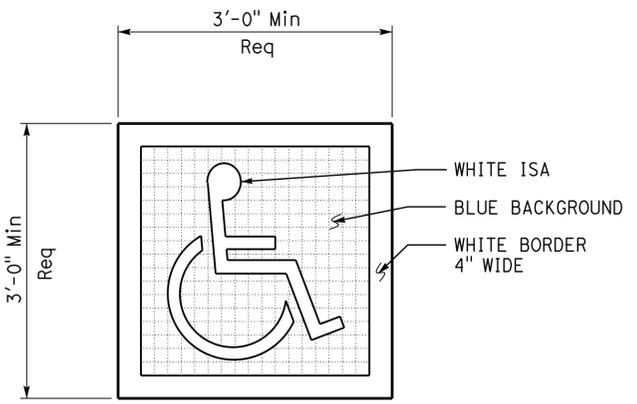
Signage Note:
 Visual characters (letters & numbers) in details on this sheet & not otherwise shown must comply with 2013 CBC Section 703.5.



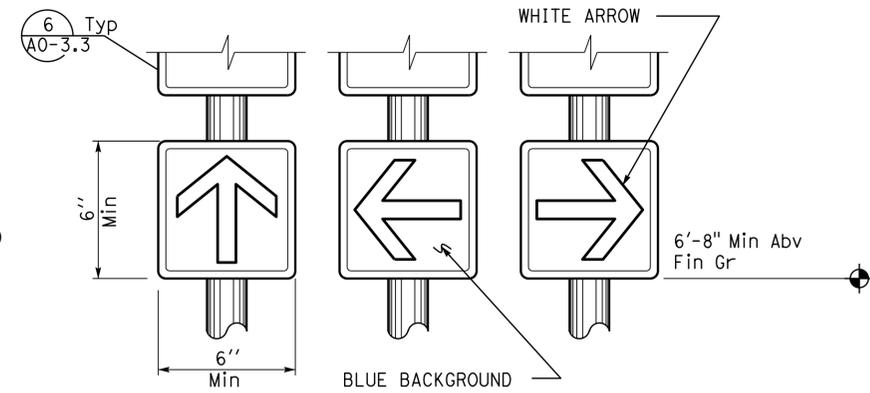
4 SIGN CONNECTION



5 SIGN POST FOOTING



6 ACCESSIBLE PARKING SURFACE IDENTIFICATION
 Refer to Details 1 and 2 on sheet A0-3.1 for locations.
 Centerline of surface ID must be Max 6" from centerline of parking space.
 Lower side of surface ID must align with end of parking space length.



7 DIRECTIONAL SIGNS
 Refer to Site Plan or General Plan for locations.
 Wall or door mounted signs may be used.
 Combo sign may be used.
 Colors may vary.

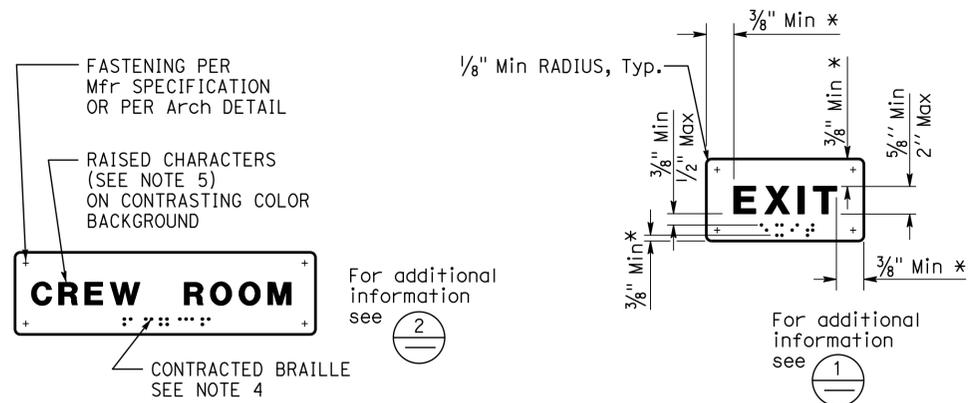
DETAILS
 No scale unless otherwise noted

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

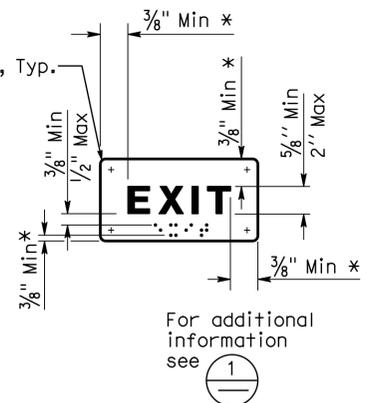
STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN		BRIDGE NO. 5718 POST MILE		LAS FLORES MAINTENANCE STATION WASHRACK		SHEET A0-3.2	
FILE NO. 09-14	DESIGN BY D. Aalsey	CHECKED Y. A. Wang	APPROVED 	DEPARTMENT OF TRANSPORTATION		PROJECT NUMBER & PHASE 3600 07120002961		DISREGARD PRINTS BEARING EARLIER REVISION DATES		ACCESSIBILITY STANDARD DETAILS		SHEET OF	
a0_03b.dgn				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT 3600		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF		OF	
TAEMWW Imperlal Rev. 7/10 10-MAR-2015 11:31						EA 07-1W5101						a0_03b.dgn	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		13	56

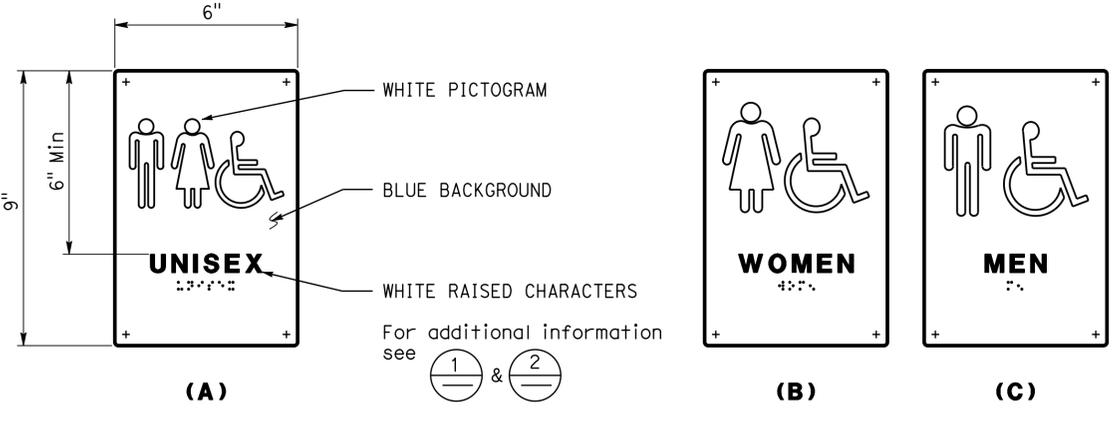
 LICENSED ARCHITECT		09-05-14 DATE	
3-16-15 PLANS APPROVAL DATE			
<i>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.</i>			



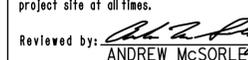
1 ROOM IDENTIFICATION SIGN
 Install per Detail 5. Text varies. See plans, Ext elevations, or door schedule for locations and text.



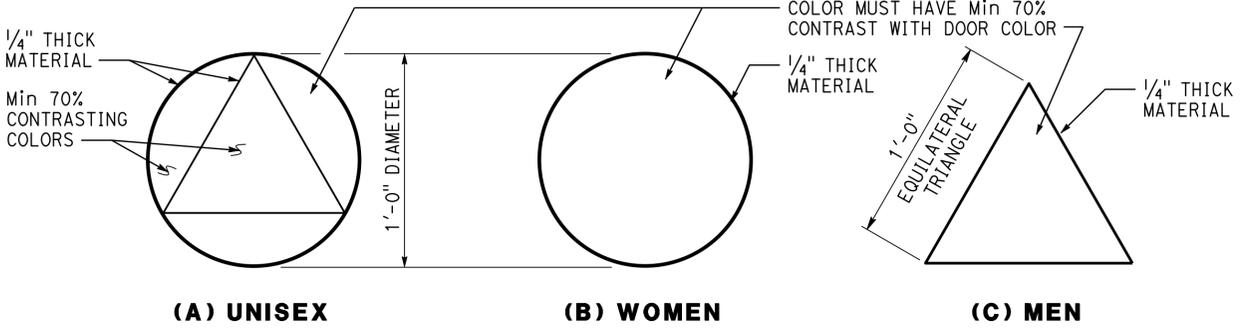
2 INTERIOR EXIT SIGN
 Install per Detail 5. Text may vary. See plans, or door schedule for locations and text. * From characters / Braille to any raised border or elements



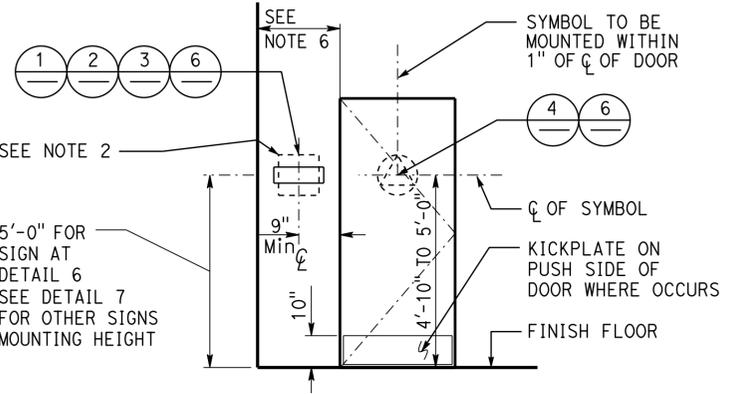
3 RESTROOM/SHOWER ROOM SIGNS
 Install per Detail 5. See Detail 7 for sign mounting height.

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0712000296	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:  Y. A. WANG Date: 3-2-2015	Reviewed by:  ANDREW MCSORLEY Approval date: 3-2-2015 CSFM: 01-19-11-0164-007

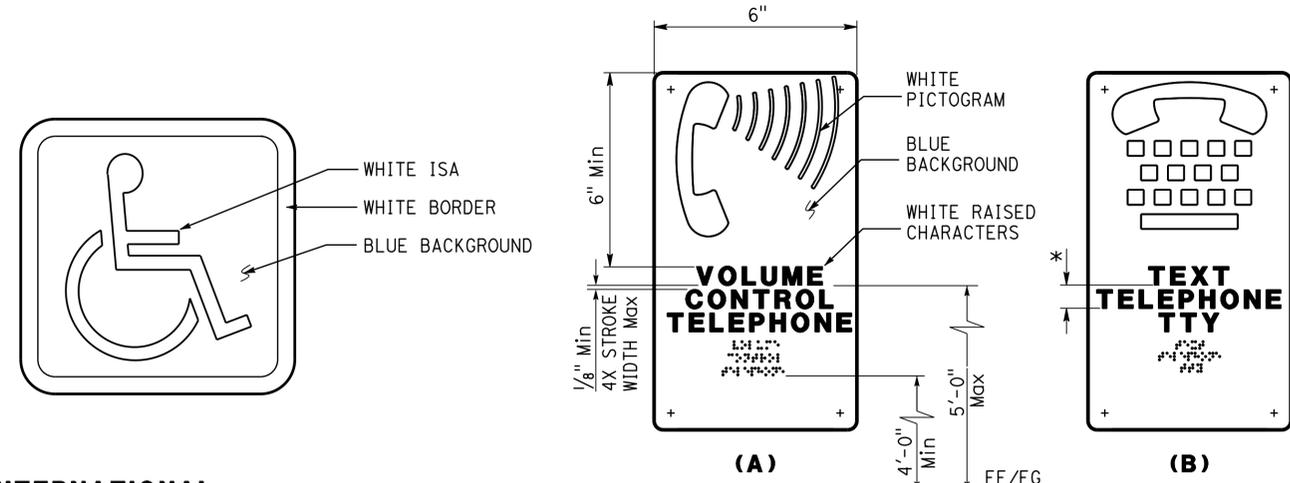
- SIGNAGE NOTES:**
1. Locate room identification signs, exit signs, and restroom signs on wall adjacent to door on latch side. If wall space is not available on latch side, locate on nearest adjacent wall. Locate sign on inactive leaf at double doors, or to the right of right hand door at double doors with two active leaves.
 2. Refer to specifications for sign material and other color selection. Except Detail 6, sign colors may vary from details.
 3. See door schedule for text and sign location, UON.
 4. Braille must be contracted (Grade 2) and compliant with 2013 CBC Section 11B-703.3.
 5. Raised characters must be uppercase sans serif raised 1/32" Min. Fonts must be selected where width of letter "O" is 60% Min and 110% Max of height of letter "I". Stroke thickness of letter "I" must be 15% Max of height of the character.
 6. Provide 18"x18" Min clear floor space in front of and centered with raised characters.
 7. Sign color must have a minimum of 70% contrast to door or wall color. Text and pictogram must have a minimum of 70% contrast to sign color.
 8. Raised character height is measured based on height of uppercase letter "I".



4 RESTROOM/SHOWER ROOM GEOMETRIC SYMBOLS AT DOOR
 Install per Detail 5. Any pictogram and raised characters are not required and not recommended.



5 SIGN/SYMBOL LOCATIONS
 Refer to signage notes for additional information.

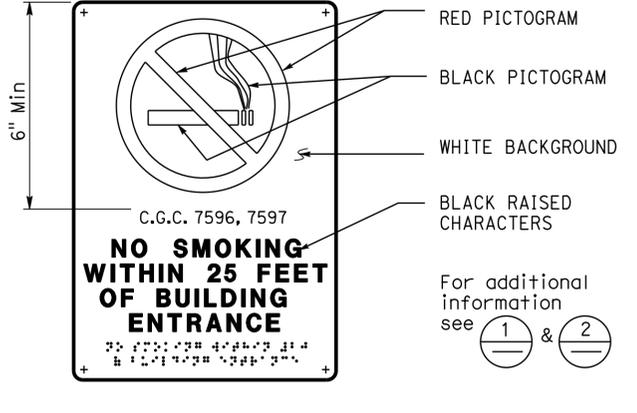


6 INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN
 Install per Detail 5. See plans, elevations, or schedule for sign locations. Decal may be used.

7 TELEPHONE SIGNS
 Text may vary. See plans or exterior elevations for sign locations and mounting heights. * 135% min and 170% max of character ht.



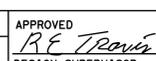
8 RESTROOM ACCOMPANY SIGN
 See plans or elevations for locations. See Detail 7 for sign mounting heights.



9 NO SMOKING SIGN
 See plans or ext elevations for locations. See Detail 7 for sign mounting heights.

DETAILS
 No scale unless otherwise noted

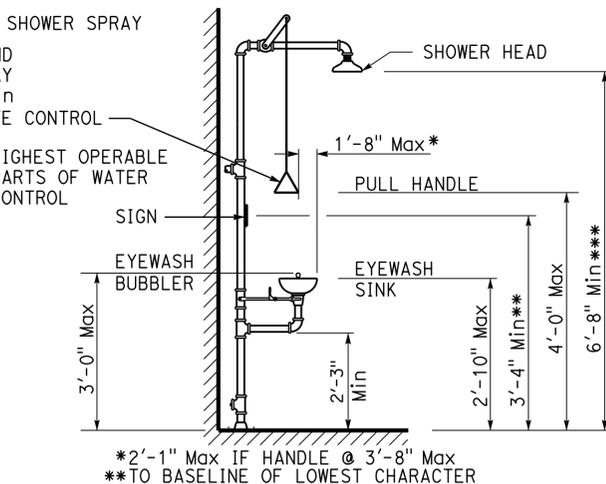
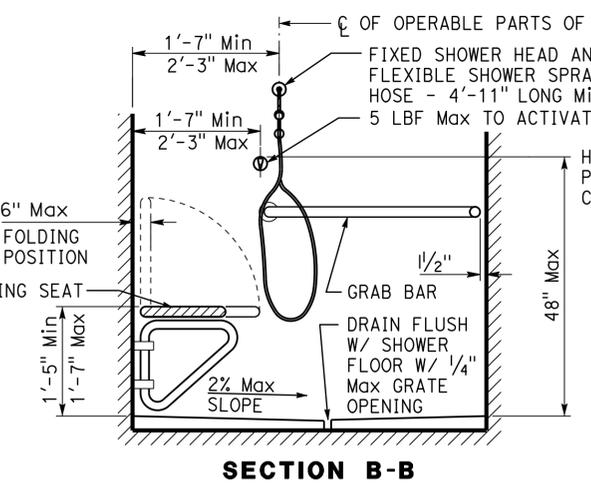
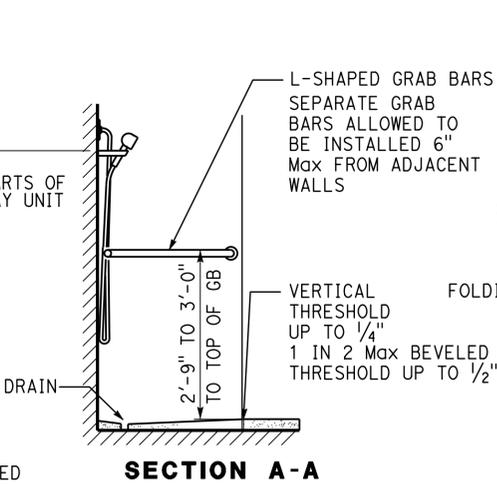
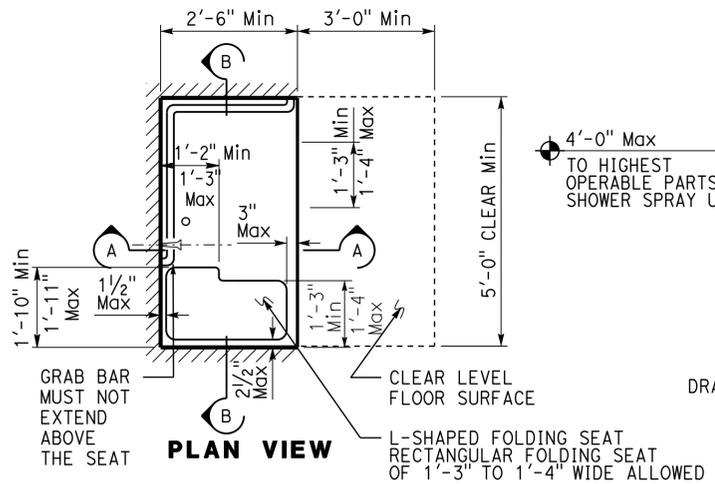
NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO. 5718		LAS FLORES MAINTENANCE STATION WASHRACK		SHEET A0-3.3	
FILE NO. 09-14	DESIGN BY D. Aisey	CHECKED Y. A. Wang	APPROVED 	DEPARTMENT OF TRANSPORTATION		ARCHITECTURAL AND STRUCTURAL DESIGN		POST MILE		ACCESSIBILITY STANDARD DETAILS		SHEET OF	
SUBMITTED BY Y.A. Wang				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT PROJECT NUMBER & PHASE 3600 07120002961		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
TAEMWW ImperIal Rev. 7/10 10-MAR-2015 11:31				0 1 2 3		EA 07-1W5101						a0_03c.dgn	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		14	56

 LICENSED ARCHITECT 09-05-14 DATE		
3-16-15 PLANS APPROVAL DATE		

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*2'-1" Max IF HANDLE @ 3'-8" Max
 **TO BASELINE OF LOWEST CHARACTER
 ***IF LESS THAN 6'-8", 2013 CBC SECTION 11B-307 PROTRUSION LIMITS MAY APPLY FOR SHOWER HEAD.

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0712000296	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:  Y. A. WANG Date: 3-2-2015	Reviewed by:  ANDREW MCSORLEY Approval date: 3-2-2015 CSFW: 01-19-11-0164-007

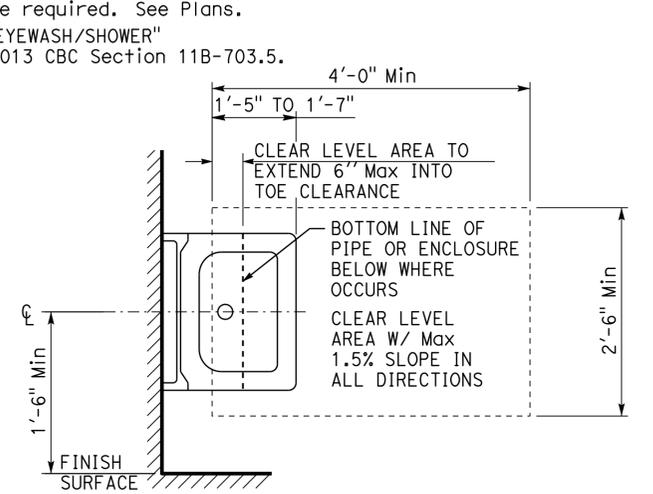
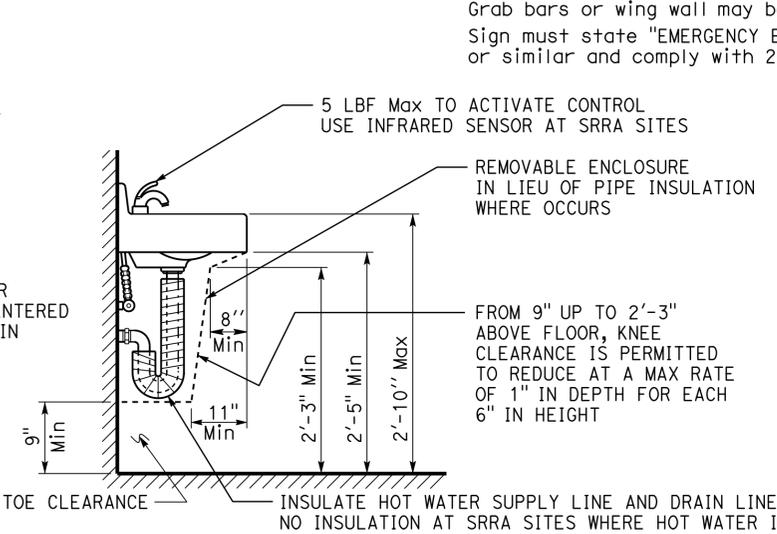
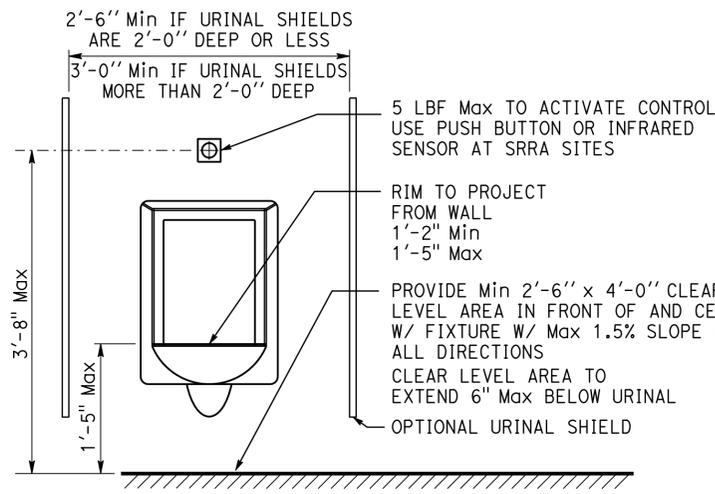
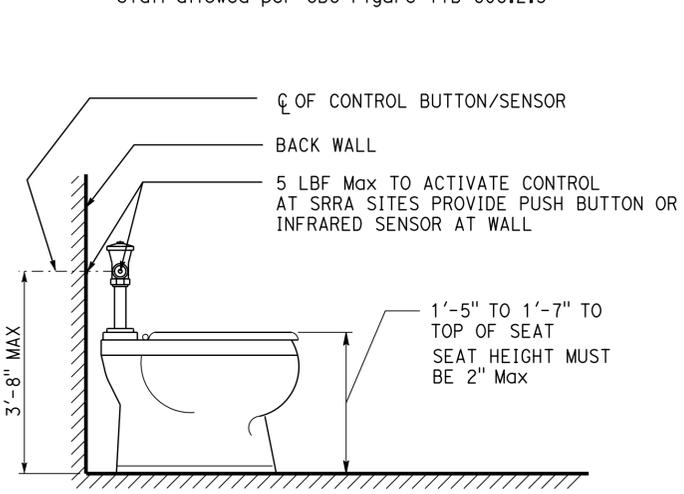
1 SHOWER STALL

Additional standard shower head may be added to wall opposite shower seat. Locate water diverter per water control. Alternate shower stall allowed per CBC Figure 11B-608.2.3

2 EMERGENCY EYEWASH/SHOWER

Foot pedal may be added to operate equipment. Provide Min 2'-6" x 4'-0" clear level area in front of and centered w/ fixture w/ 1'-5" to 1'-7" under fixture and Max 1.5% slope in all directions. Grab bars or wing wall may be required. See Plans. Sign must state "EMERGENCY EYEWASH/SHOWER" or similar and comply with 2013 CBC Section 11B-703.5.

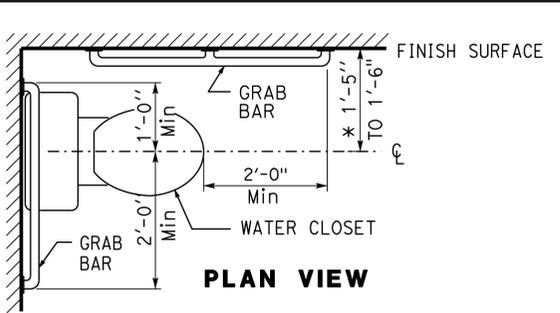
Any soap dish must be on the control wall at 3'-4" Max above the shower floor and within reach limits from the seat.



3 WATER CLOSET

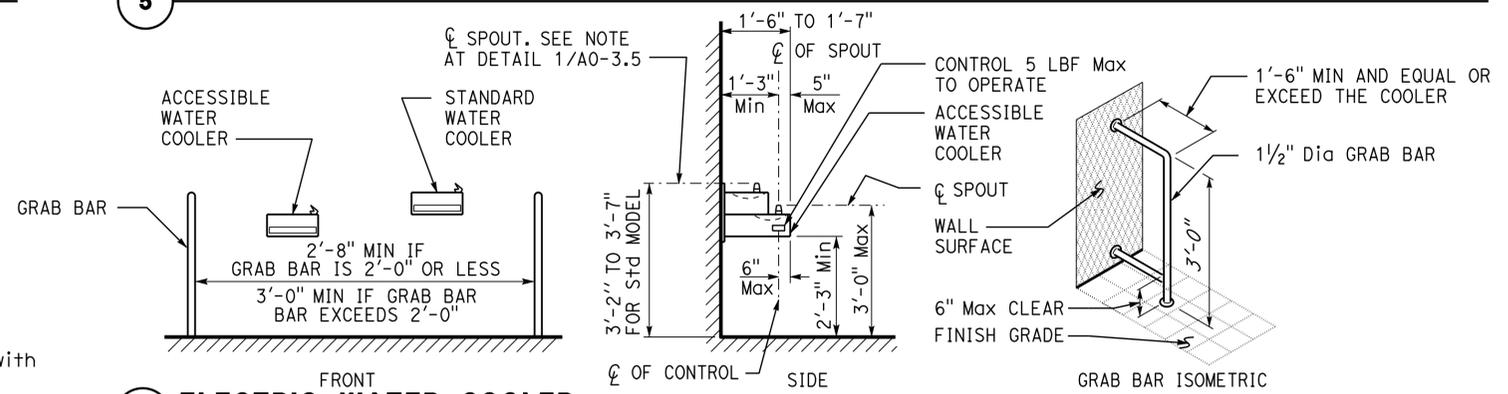
See Specifications for fixture type

4 URINAL



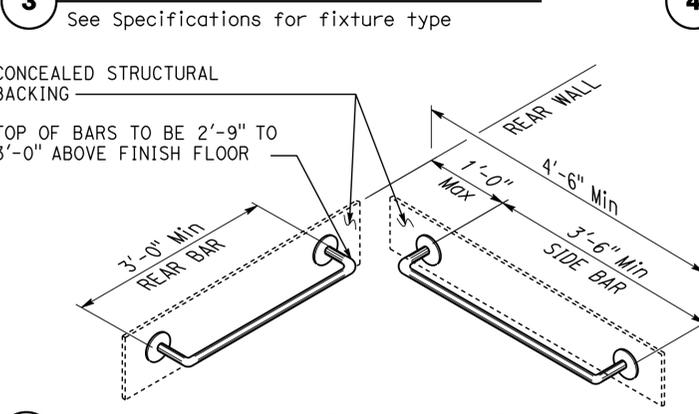
Grab bar note:
 1. Circular grab bars to be 1 1/4" To 2" diameter with clear space of 1 1/2" to smooth wall surface.
 2. L-shaped grab bars allowed

5 LAVATORY



7 ELECTRIC WATER COOLER

In lieu of grab bars, other types of wing walls may be used. Provide Min 2'-6" x 4'-0" clear level area in front of and centered w/ low fixture w/ 1'-5" to 1'-7" under fixture and Max 1.5% slope in all directions. See clear level area at detail 1/A0-3.5 for size and location.



6 GRAB BARS/ WATER CLOSET

DETAILS
 No scale unless otherwise noted

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

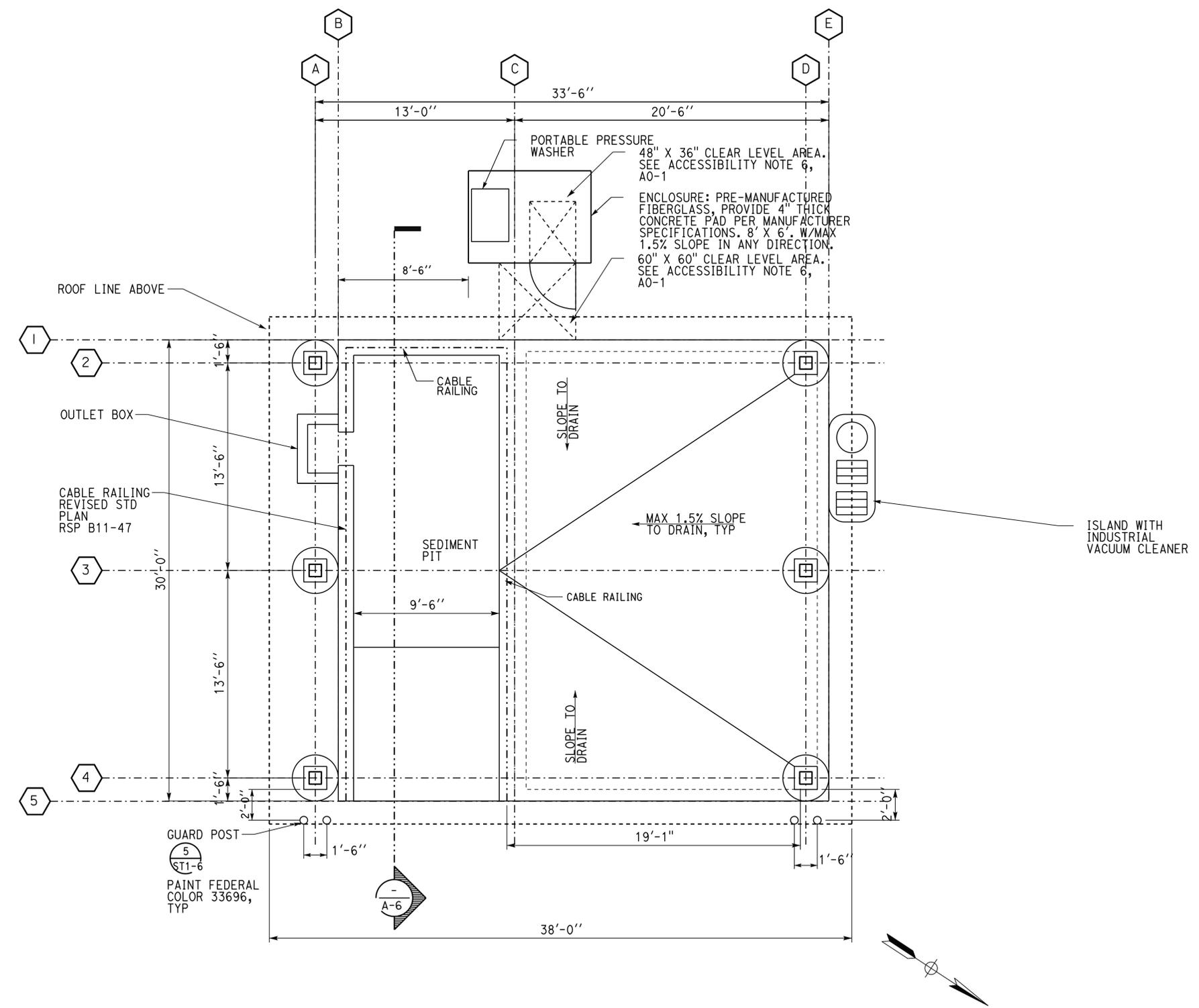
STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO. 5718		LAS FLORES MAINTENANCE STATION WASHRACK		SHEET A0-3.4	
FILE NO. 09-14	DESIGN BY D. Aalsey	CHECKED Y. A. Wang	APPROVED R.E. Travis	DEPARTMENT OF TRANSPORTATION		ARCHITECTURAL AND STRUCTURAL DESIGN		POST MILE		ACCESSIBILITY STANDARD DETAILS		SHEET OF	
SUBMITTED BY Y.A. Wang				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT PROJECT NUMBER & PHASE 3600 07120002961		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
a0_03d.dgn				10-MAR-2015 11:31		EA 07-1W5101						a0_03d.dgn	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		15	56

<i>MRJ</i>		3-2-15
LICENSED ARCHITECT	DATE	

3-16-15
PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA	CALIFORNIA STATE FIRE MARSHAL APPROVED
PROJECT ID 0712000296	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>[Signature]</i> Y. A. WANG Date: 3-2-2015	Reviewed by: <i>[Signature]</i> ANDREW MCSORLEY Approval date: 3-2-2015 CSFM: 01-19-11-0164-007

Note:
Refer to SS-3 for elevation and slope information regarding HMA apron around concrete washrack.

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

A-1.dgn TAEMWW Imperial Rev. 7/10 10-MAR-2015 11:31	DESIGN BY Martin Fraser	CHECKED <i>Ronald E. Alvey</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5718	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET
	DETAILS BY Martin Fraser	CHECKED <i>Ronald E. Alvey</i>			POST MILE		FLOOR PLAN
	QUANTITIES BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3600 07120002961	EA 07-1W5101	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X

10-MAR-2015 11:31

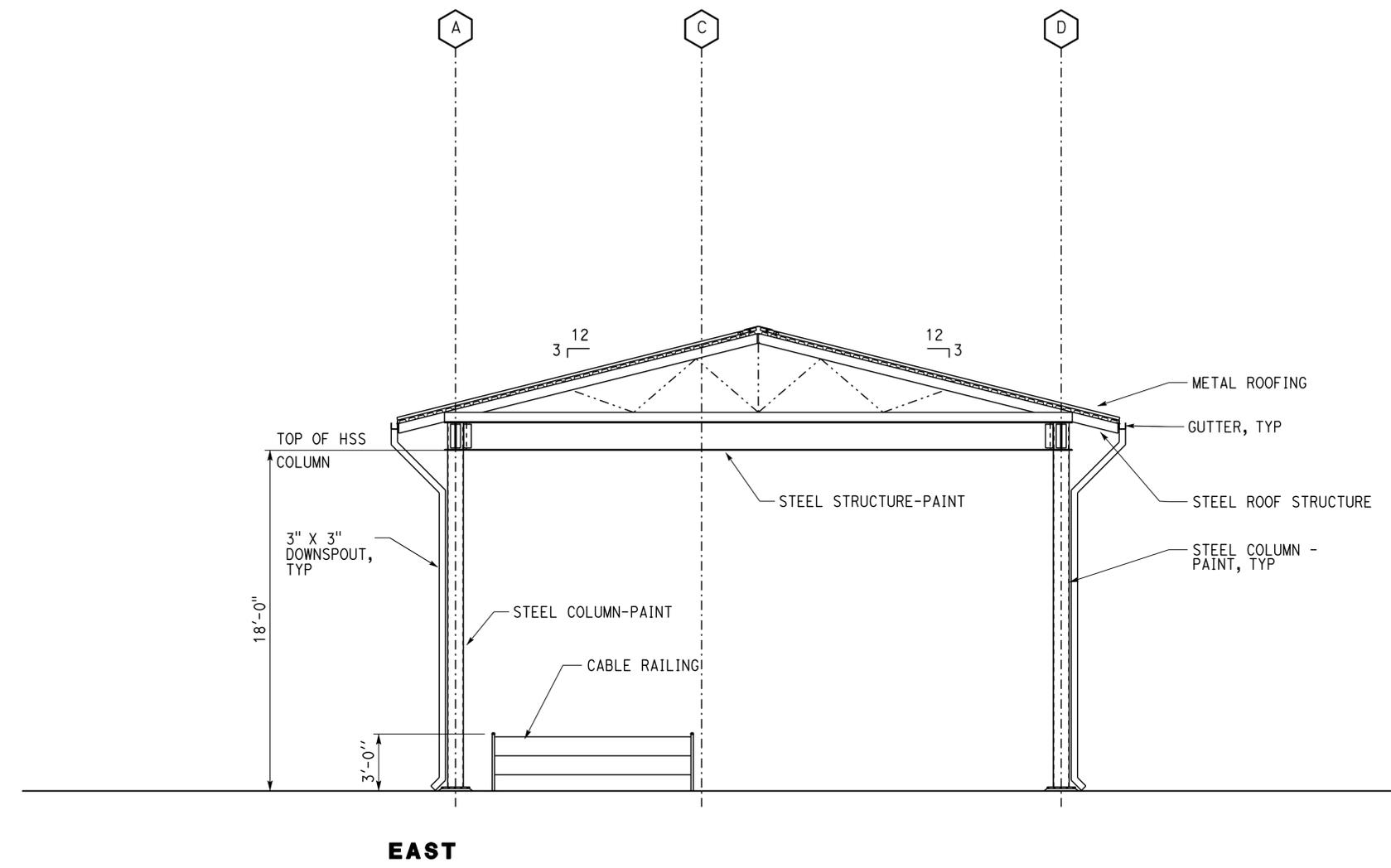
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		16	56

MRJ
 LICENSED ARCHITECT
 DATE 3-2-15
 3-16-15
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LICENSED ARCHITECT
 M. R. FRASER
 No. C-7739
 Exp. 04-30-15
 STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0712000296 Reviewed by: <i>[Signature]</i> Y. A. WANG Date: 3-2-2015	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>[Signature]</i> ANDREW MCSORLEY Approval date: 3-2-2015 CSFM: 01-19-11-0164-007
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- Notes:
1. Match roof color to roof of (E) equipment building (AEP Colonial Red).
 2. All accessories such as gutters and downspouts to match roof color.
 3. All paint to match roof color.

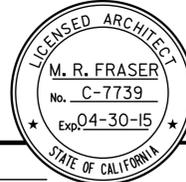
ELEVATION
 SCALE 1/4" = 1'-0"

A-2.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY Martin Fraser	CHECKED <i>Donald E. Alley</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5718	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET OF A-2
	DETAILS BY Martin Fraser	CHECKED <i>Donald E. Alley</i>			POST MILE		ELEVATION
10-MAR-2015 11:31	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 07120002961	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) - -07	SHEET OF X X

10-MAR-2015 11:31
A-2.dgn

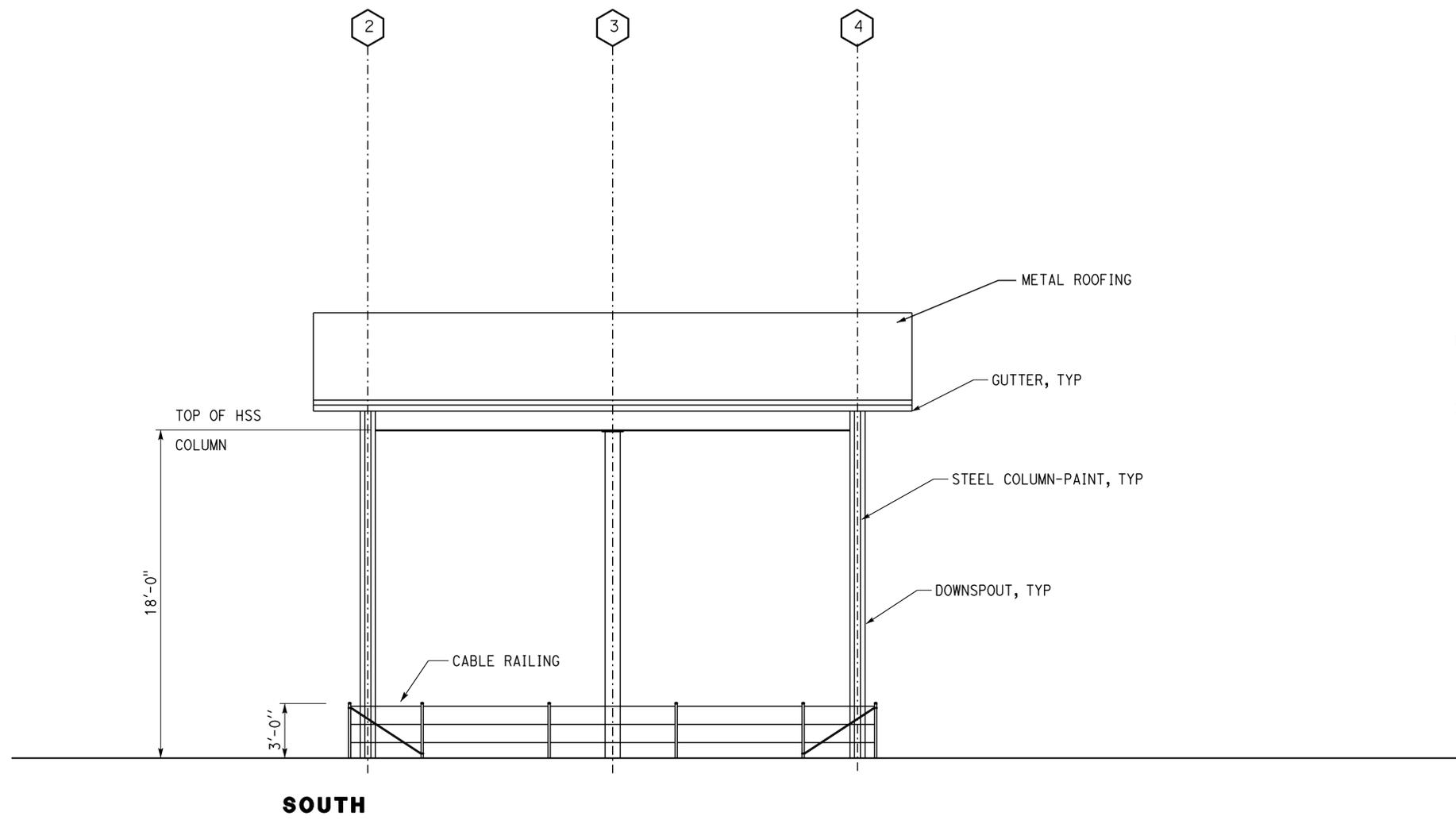
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		17	56

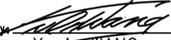
 3-2-15
 LICENSED ARCHITECT DATE



3-16-15
PLANS APPROVAL DATE

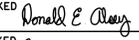
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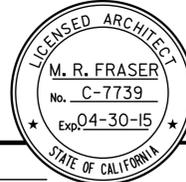
- Notes:
1. Match roof color to roof of (E) equipment building (AEP Colonial Red).
 2. All accessories such as gutters and downspouts to match roof color.
 3. All paint to match roof color.

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

A-3.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY Martin Fraser	CHECKED 	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5718	LAS FLORES MAINTENANCE STATION WASHRACK ELEVATION	SHEET OF A-3	
	DETAILS BY Martin Fraser	CHECKED 			POST MILE		REVISION DATES (PRELIMINARY STAGE ONLY)	X X
10-MAR-2015 11:31	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 07120002961	EA 07-1W5101	DISREGARD PRINTS BEARING EARLIER REVISION DATES →	- -07	X X

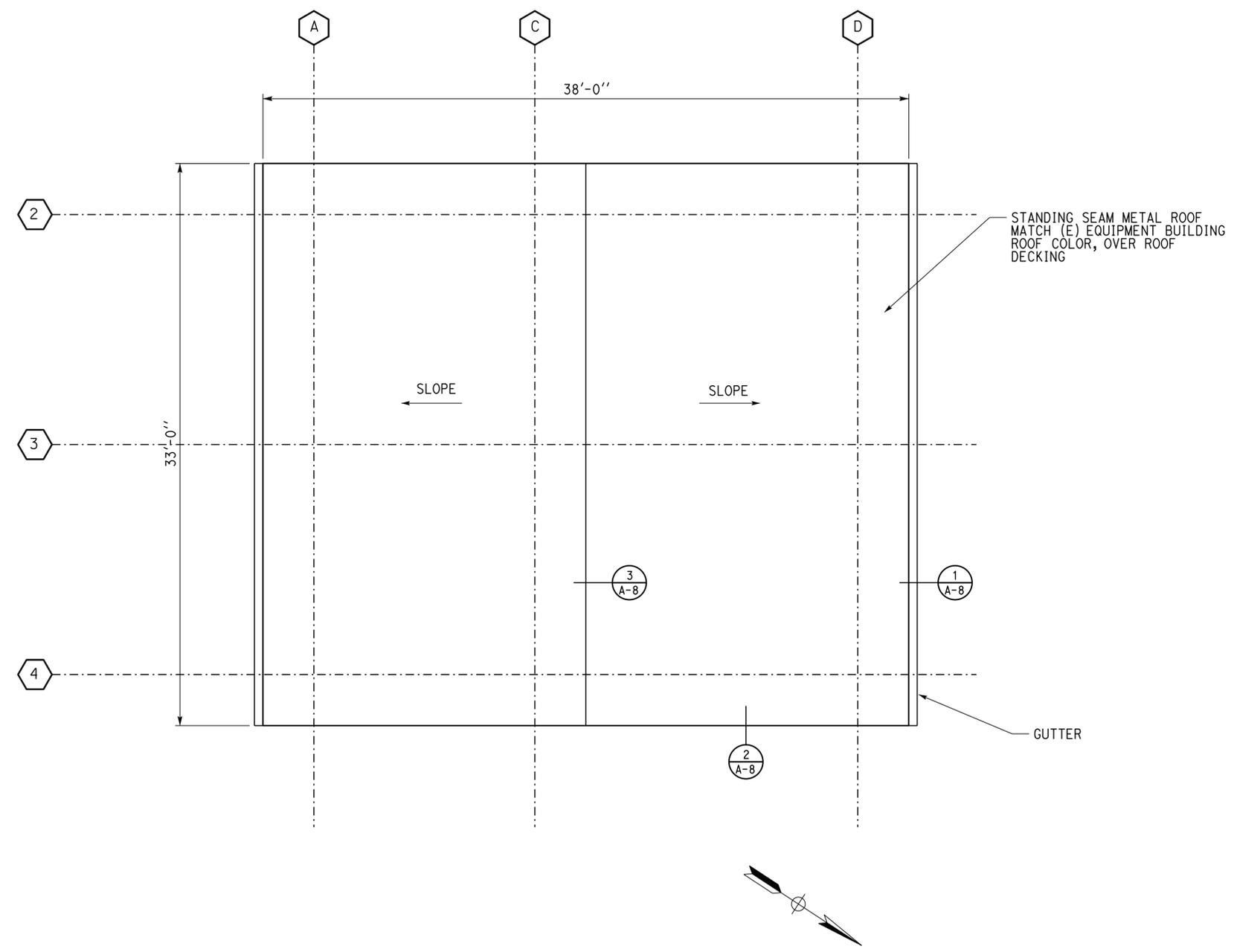
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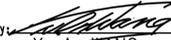
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		18	56


 LICENSED ARCHITECT DATE 3-2-15


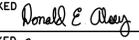
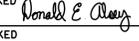
3-16-15
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ROOF PLAN
SCALE 1/4" = 1'-0"

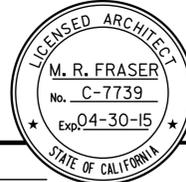
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	DETAILS BY Martin Fraser	CHECKED 			POST MILE		REVISION DATES (PRELIMINARY STAGE ONLY)
10-MAR-2015 11:31	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3600 07120002961	DISREGARD PRINTS BEARING EARLIER REVISION DATES	- 07	X X

EA 07-1W5101

10-MAR-2015 11:31 A-4.dgn

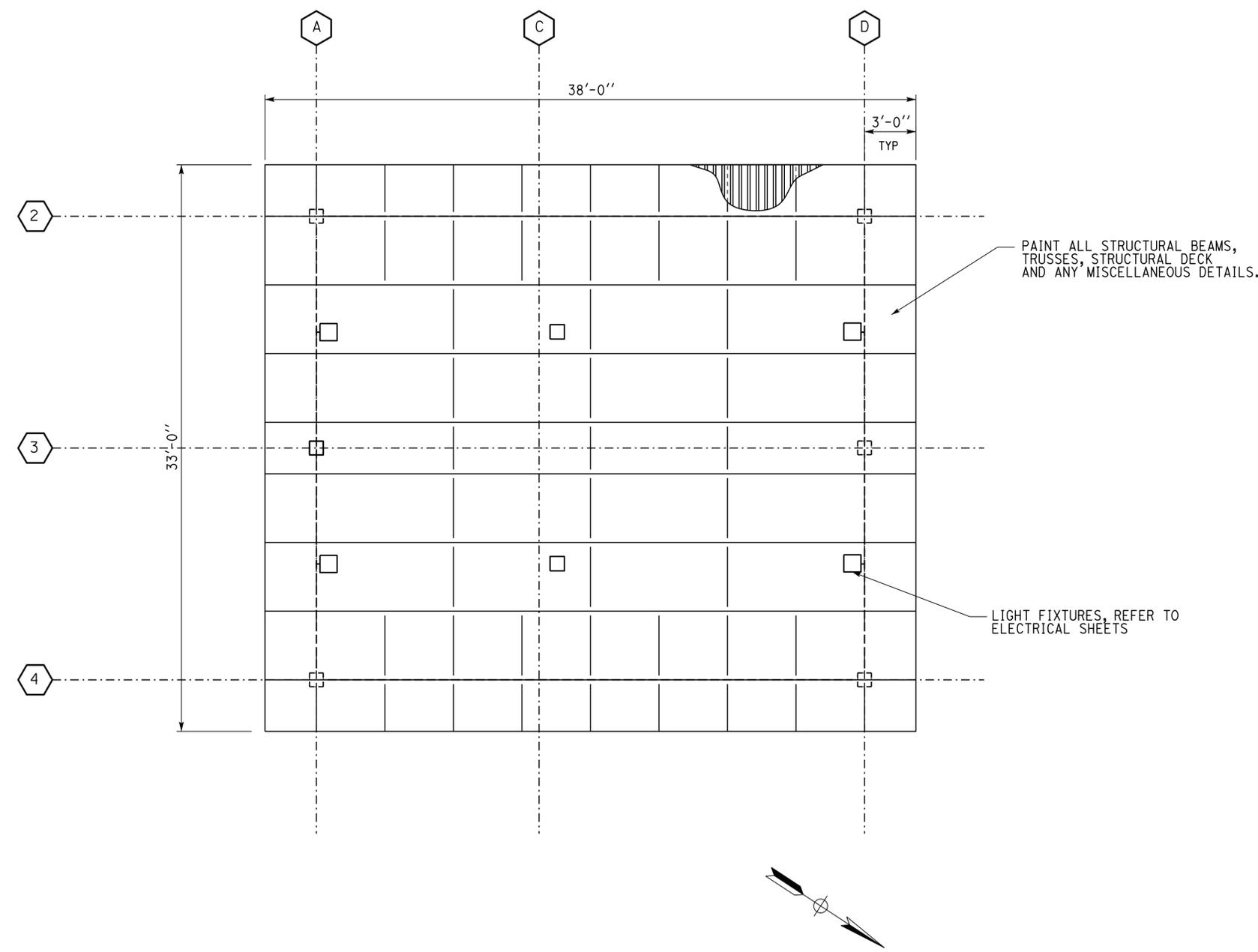
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		19	56

 3-2-15
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3-16-15
PLANS APPROVAL DATE

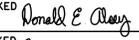
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0712000296 Reviewed by:  Y. A. WANG Date: 3-2-2015	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  ANDREW MCSORLEY Approval date: 3-2-2015 CSFM: 01-19-11-0164-007
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- Notes:
1. Match roof color to roof of (E) equipment building (AEP Colonial Red).
 2. All accessories such as gutters and downspouts to match roof color.
 3. All paint to match roof color.

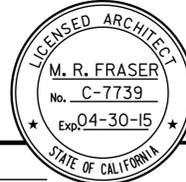
REFLECTED CEILING PLAN
SCALE 1/4" = 1'-0"

A-5.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY Martin Fraser	CHECKED 	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5718	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET	
	DETAILS BY Martin Fraser	CHECKED 			POST MILE		A-5	
10-MAR-2015 11:31	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3600 07120002961	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REFLECTED CEILING PLAN	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
			0 1 2 3		- -07		X X	X X

A-5.dgn

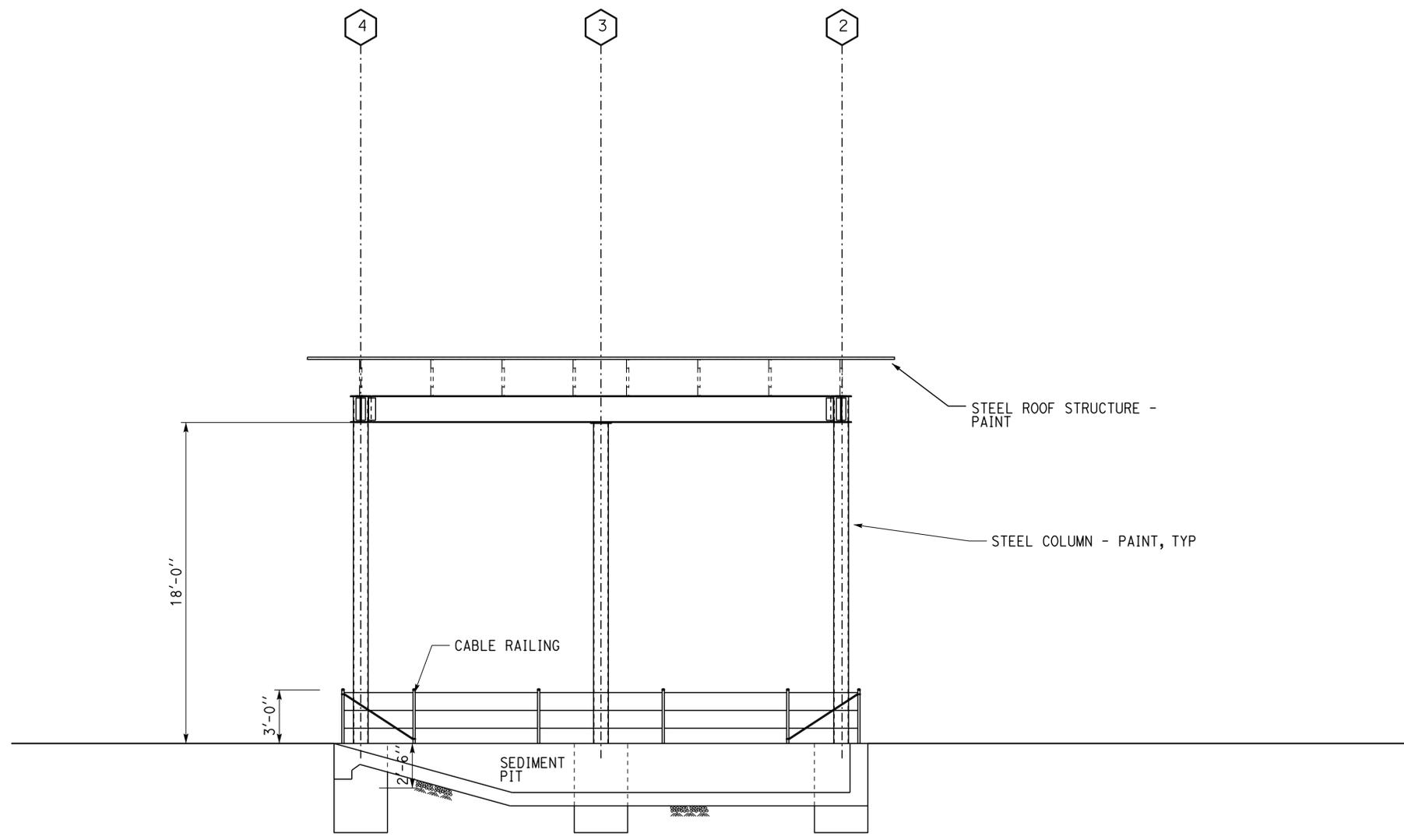
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		20	56

 3-2-15
 LICENSED ARCHITECT DATE



3-16-15
PLANS APPROVAL DATE

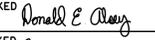
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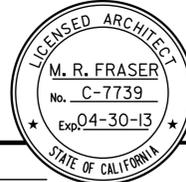
- Notes:
1. Match roof color to roof of (E) equipment building (AEP Colonial Red).
 2. All accessories such as gutters and downspouts to match roof color.
 3. All paint to match roof color.

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

A-6.dgn TAEMWW Imperial Rev. 7/10 10-MAR-2015 11:32	DESIGN BY Martin Fraser	CHECKED 	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5718	LAS FLORES MAINTENANCE STATION WASHRACK SECTION	SHEET OF A-6
	DETAILS BY Martin Fraser	CHECKED 		PROJECT NUMBER & PHASE 3600 07120002961	POST MILE		REVISION DATES (PRELIMINARY STAGE ONLY)
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	UNIT	DISREGARD PRINTS BEARING EARLIER REVISION DATES	- -07	A-6.dgn

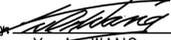
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		21	56

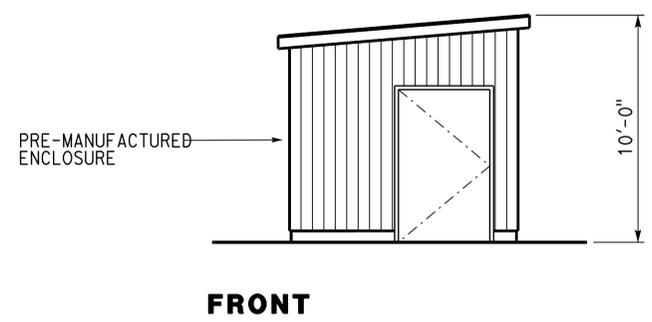
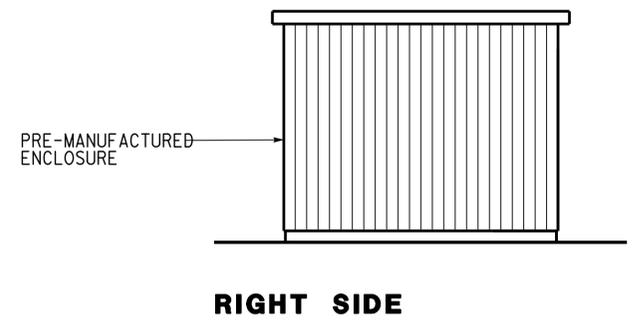
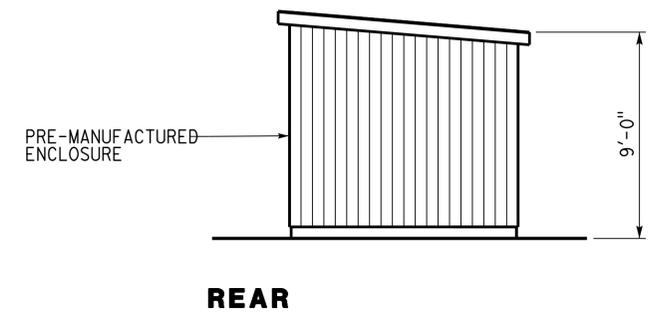
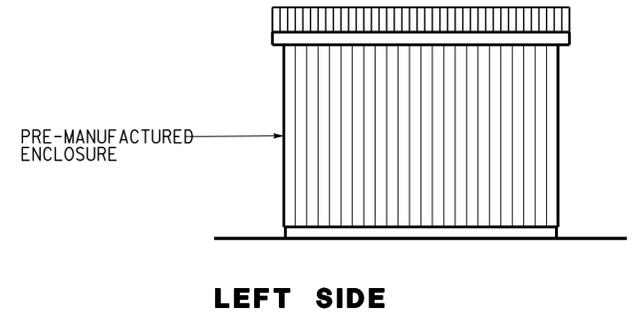
 3-2-15
 LICENSED ARCHITECT DATE



3-16-15
PLANS APPROVAL DATE

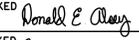
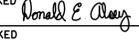
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0712000296 Reviewed by:  Y. A. WANG Date: 3-2-2015	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  ANDREW MCSORLEY Approval date: 3-2-2015 CSFM: 01-19-11-0164-007
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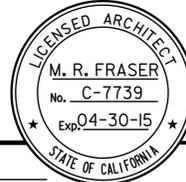
- Notes:
1. Provide 4" concrete slab, foundation and curb, per manufacturer recommendation.
 2. Provide door minimum size of 3'-0" wide x 6'-8" high, with lever hardware centered between 34" and 44" above ground. Max door opening force must be 5 LBF.

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

A-7.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY Martin Fraser	CHECKED 	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5718	LAS FLORES MAINTENANCE STATION WASHRACK ELEVATION	SHEET OF A-7
	DETAILS BY Martin Fraser	CHECKED 			POST MILE		REVISION DATES (PRELIMINARY STAGE ONLY)
10-MAR-2015 11:32	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 07120002961	DISREGARD PRINTS BEARING EARLIER REVISION DATES →	- 07	X X

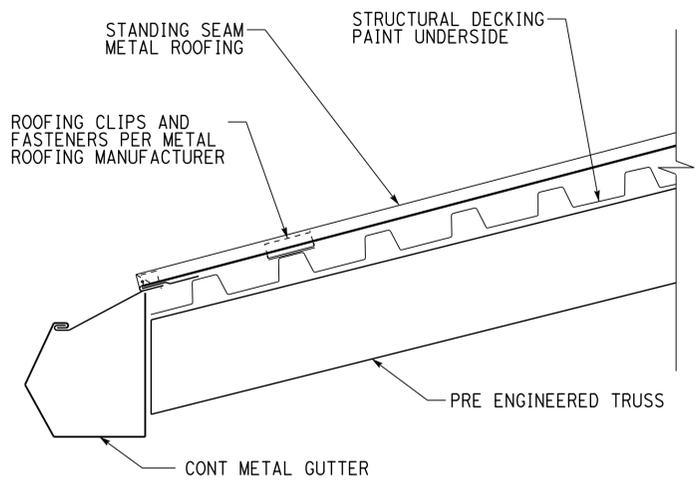
EA 07-1W5101

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		22	56

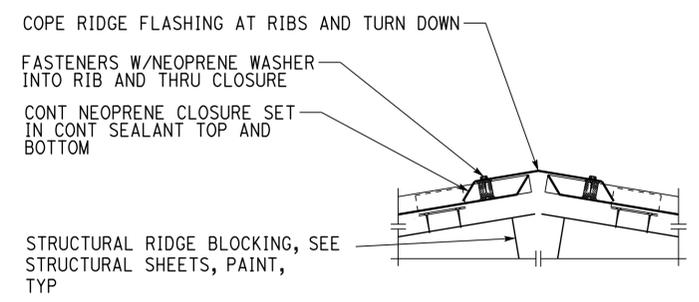
 3-2-15
 LICENSED ARCHITECT DATE


3-16-15
PLANS APPROVAL DATE

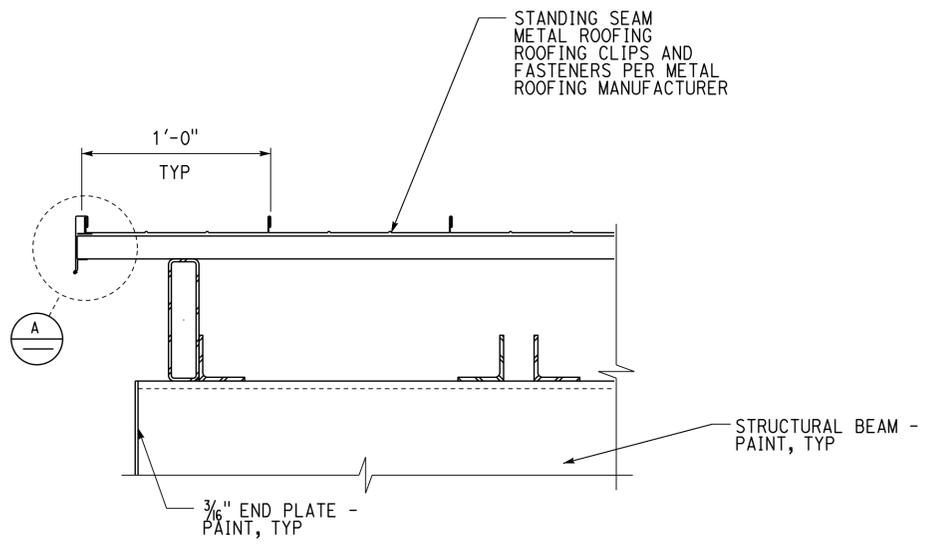
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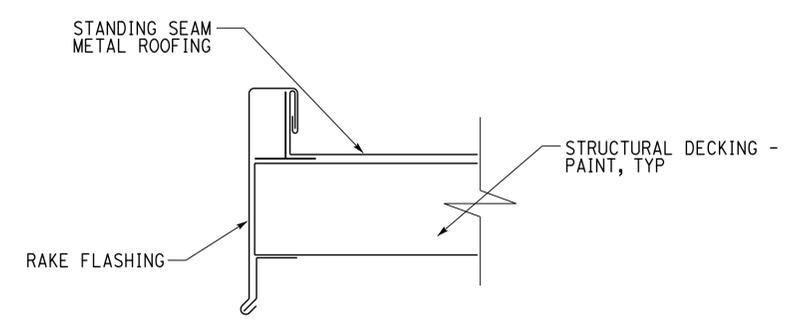
1 ROOFING DETAIL
Scale 2"=1'-0"



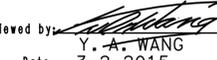
3 RIDGE DETAIL
Scale 2"=1'-0"

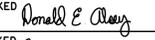


2 ROOFING DETAIL
Scale 2"=1'-0"



A RAKE DETAIL
Scale 1"=1'-0"

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0712000296	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:  ANDREW McSORLEY Approval date: 3-2-2015 CSFM: 01-19-11-0164-007
Reviewed by:  Y. A. WANG Date: 3-2-2015	

A-8.dgn TAEMWW Imperial Rev. 7/10 10-MAR-2015 11:32	DESIGN BY Martin Fraser	CHECKED 	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5718	LAS FLORES MAINTENANCE STATION WASHRACK DETAILS	SHEET A-8
	DETAILS BY Martin Fraser	CHECKED 		UNIT PROJECT NUMBER & PHASE 3600 07120002961	POST MILE		REVISION DATES (PRELIMINARY STAGE ONLY)
	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	- 07		

A-8.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		23	56

<i>Tahir Rashid</i>	11-17-14
REGISTERED CIVIL ENGINEER	DATE

3-16-15
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	GYPSTUM BOARD		

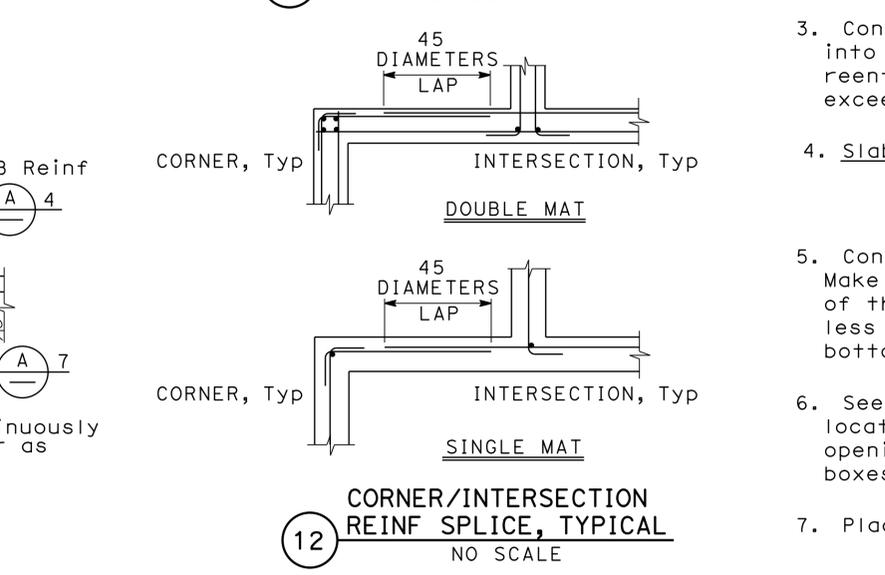
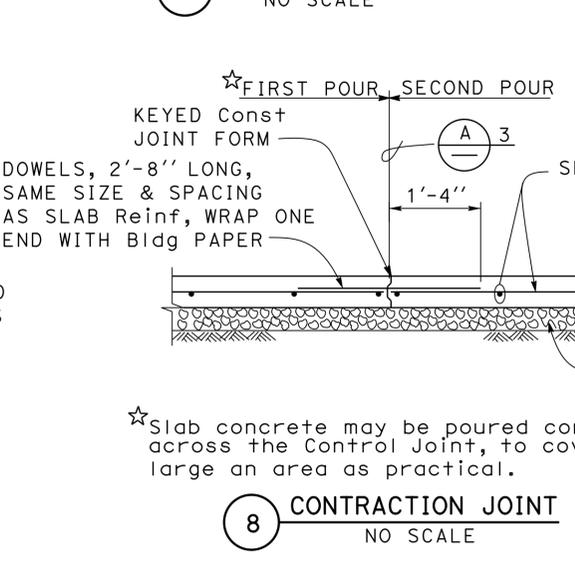
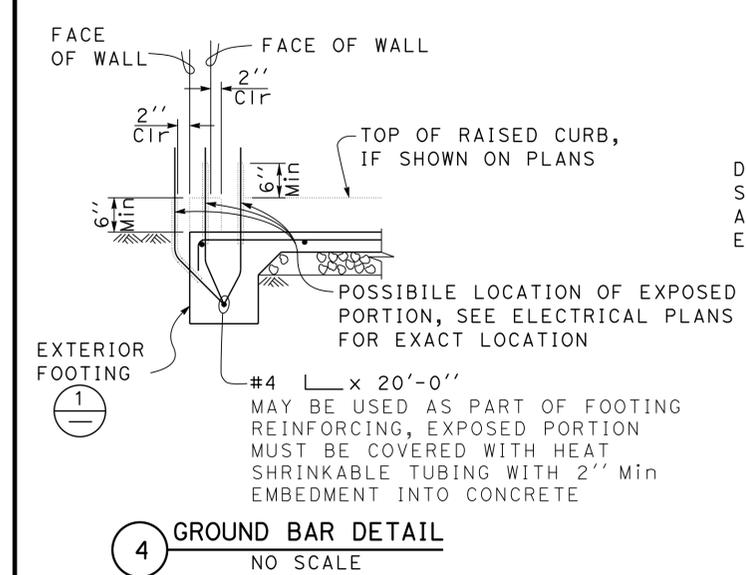
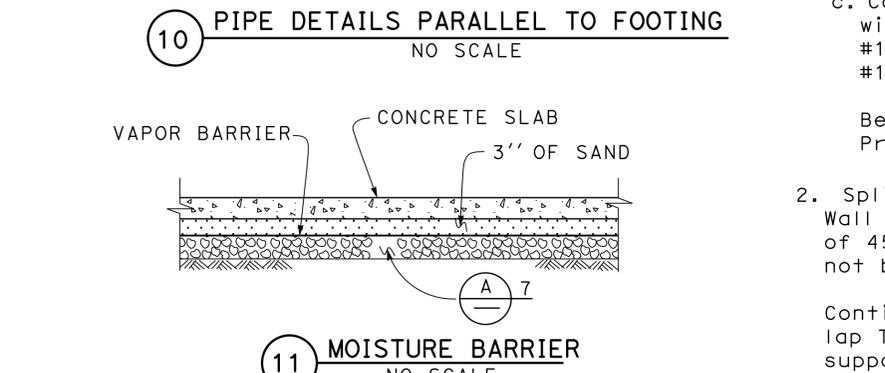
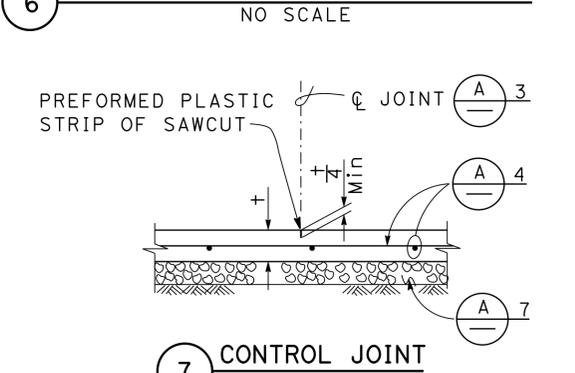
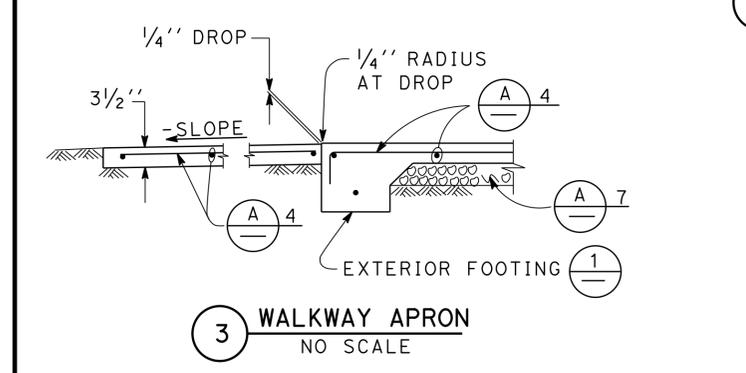
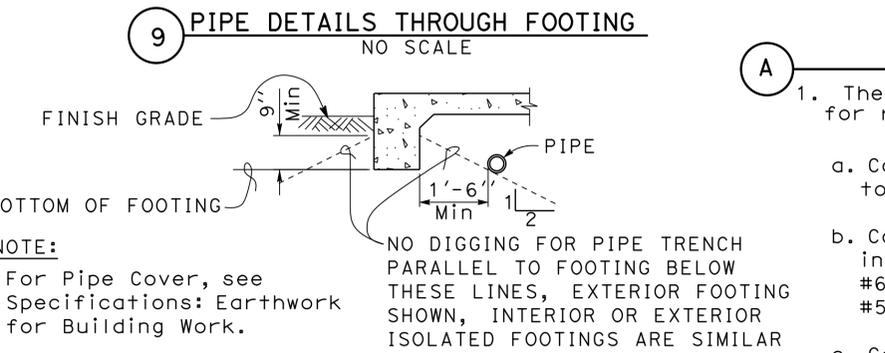
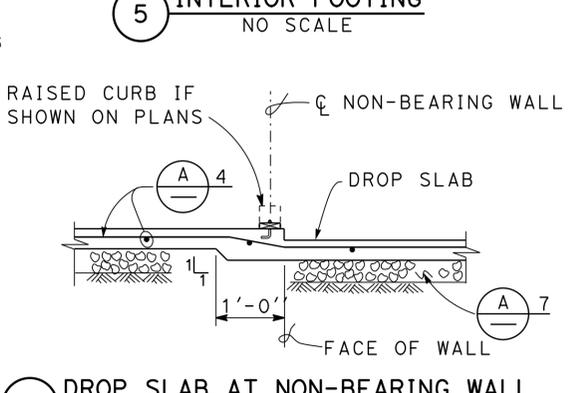
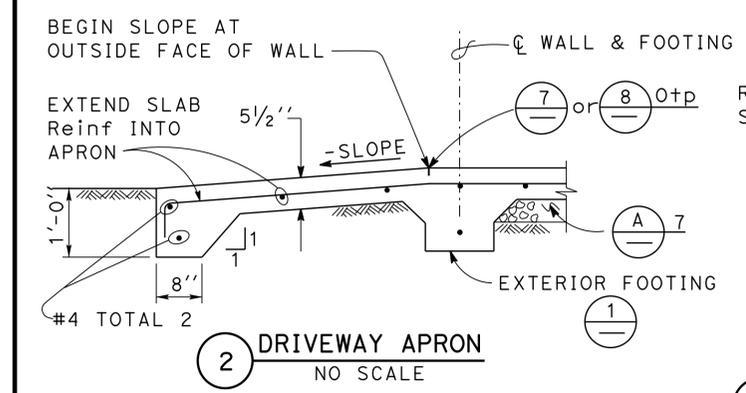
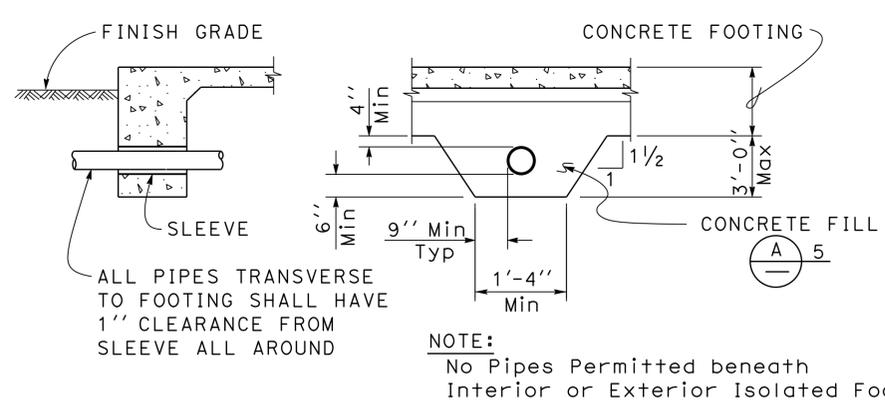
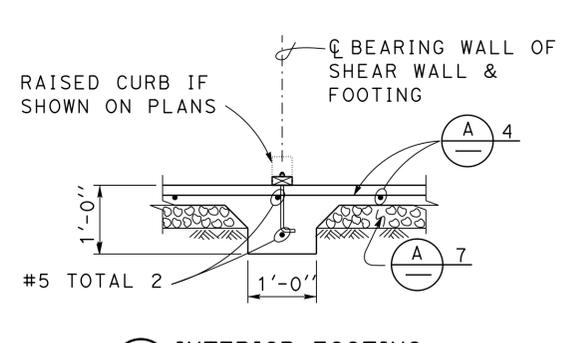
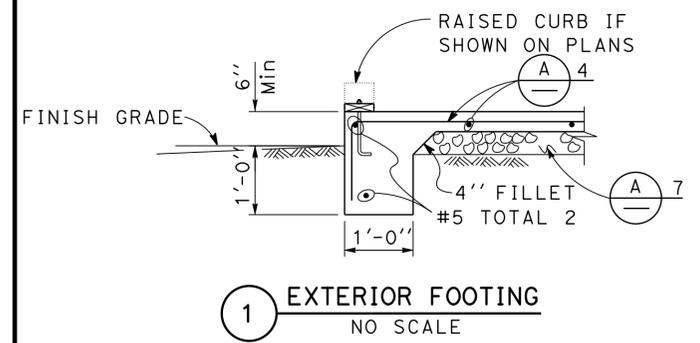
SYMBOLS

	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
	DIAMETER		ADDITIONAL REFERENCE (IF REQUIRED) SHEET NUMBER
	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. 5718		LAS FLORES MAINTENANCE STATION WASHRACK				SHEET ST-1	
FILE NO. XS-25-0	DESIGN BY <i>Sean Samuel</i>	CHECKED <i>Joe Glavin</i>	APPROVED <i>R.C. Travis</i>	DEPARTMENT OF TRANSPORTATION		ARCHITECTURAL AND STRUCTURAL DESIGN		POST MILE		LEGEND					
DRAWING DATE 1-04	DETAILS BY <i>Peter F. von Savoye, II</i>	CHECKED <i>Sean Samuel</i>	DESIGN SUPERVISOR	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT PROJECT NUMBER & PHASE 3581 07120002961		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)				SHEET OF	
TAEWW Imperlal Rev. 7/10				EA 07-1W510		1-16-04 04-27-12						s10_01.dgn			

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		24	56
			11-17-14	DATE	
3-16-15 PLANS APPROVAL DATE					
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- CONCRETE NOTES**
- The following minimum concrete cover must 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 must have a lap of 45 diameters and the splices in adjacent bars must not be less than 5'-0" apart.

Continuous Bars in spandrels, Wall Beams, etc. must lap Top Bars at center of span and Bottom Bars at supports.
 - Contraction Joints and Control Joints must 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 (t) Reinforcement

3 1/2"	#3 @ 18	Each way, place in center of Slab
5 1/2"	#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 Soud</i>	CHECKED <i>Lee G. ...</i>	APPROVED <i>R.C. ...</i>	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 5718	LAS FLORES MAINTENANCE STATION	SHEET ST-2
DRAWING DATE 1-04	DETAILS BY <i>Peter F. ...</i>	CHECKED <i>...</i>	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE	CONCRETE STANDARD	
TAEMWW Imperlal 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 07120002961	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

PROJECT DESIGN CRITERIA

The building work on this project has been designed to conform to the 2013 California Building Code (2012 IBC).

LOADS

SEISMIC: Occupancy Category = 1
 Importance Factor I = 1.0
 Site Soil Class = D
 $S_s = 2.307$ $S_l = 0.935$
 $S_{ps} = 1.538$ $S_{DI} = 0.935$
 Seismic Design Category = E
Seismic Force-Resisting System:
 Moment-Resisting Frame System

North - South

Special steel truss moment frames.

R = 3.5 $C_s = 0.439$
 Moment-Resisting Frame System

East - West

Special steel truss moment frames.

R = 3.5 $C_s = 0.439$

WIND: Basic Wind Speed = 110 mph I = 1.0
 $\lambda = 1.0$ $P_s 30 = \pm 10.0$
 $K_{zt} = 1.0$

LIVE LOAD: Roof = 20 psf

MATERIALS

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

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

COLD FORMED STEEL: Sheet Steel $F_y = 50$ ksi

FOUNDATION:
 Allowable Soil Pressure (DL + LL) = 1,500 psf ASSUMED

DETAIL NOTES

1. For Concrete see: "Concrete Standard"
2. All bolts must be hex head machine bolts, with hex head nuts; unless otherwise noted.
3. All lock washers must be helical spring lock washers.
4. All miscellaneous metal must be hot-dipped galvanized after fabrication UON.

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		25	56

Tahir Rashid 11-17-14
 REGISTERED CIVIL ENGINEER DATE

3-16-15
 PLANS APPROVAL DATE

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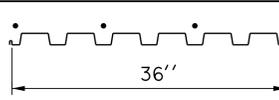


METAL DECK MINIMUM SECTION PROPERTIES

Deck Type	Depth & Gage	Moment of Inertia	Positive Section Modulus	Negative Section Modulus	Minimum Yield Strength
Metal Decking	1 1/2" x 18 Ga	0.302 in ⁴ /ft	0.321 in ³ /ft	0.336 in ³ /ft	38 Ksi

NOTE:
 Minimum 3 Span Condition

WELDING SCHEDULE and STEEL DECK PROFILE

Metal Deck Profile	1/2" Diameter Puddle Weld			Diaphragm Shear Capacity
	Perpendicular Supports and Panel Ends	Parallel Supports	Side Laps	
	4 - Puddle Welds Per Support	12" OC	12" OC	800 lb/ft

(A) STEEL DECK NOTES

DESIGN BY Tahir Rashid	CHECKED BY Thomas Tong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5718	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET ST1-0
DETAILS BY Daniel Harakh	CHECKED BY Tahir Rashid		POST MILE	WASHRACK		
QUANTITIES BY	CHECKED		UNIT PROJECT NUMBER & PHASE 3581 07120002961	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

TAEMWW Imperial Rev. 7/10 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

EA 07-1W510 P:\dist_07\0712000296_las_flores_washr\exp\dist1_00.dgn

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		26	56

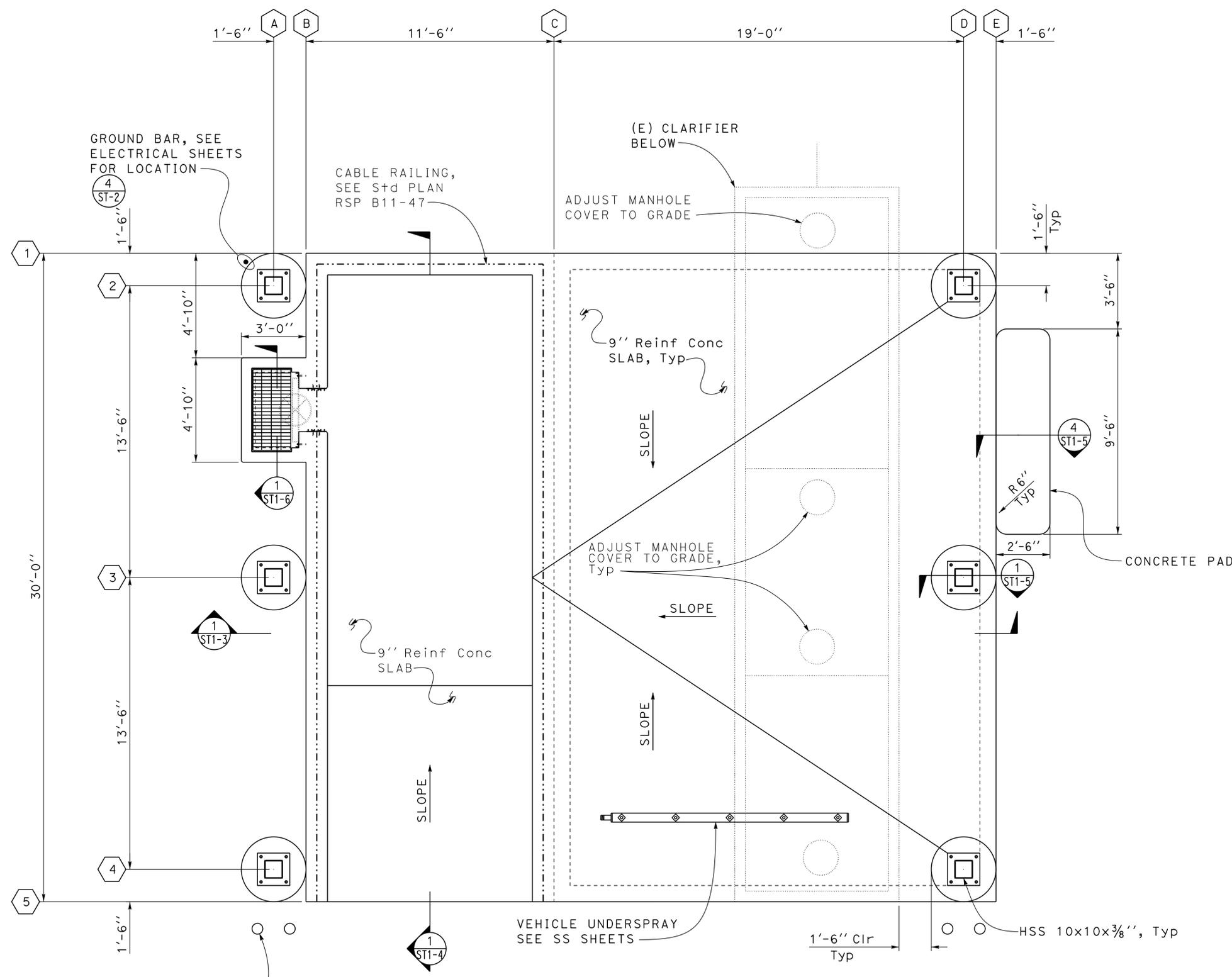
<i>Tahir Rashid</i>		11-17-14
REGISTERED CIVIL ENGINEER	DATE	

3-16-15
PLANS APPROVAL DATE

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- NOTES:**
- For finish grade and drainage elevations see SS Sheets.
 - For concrete control joint details & location see **7** ST-2 & **A** ST-2.
 - Field verify existing clarifier manhole cover elevations, site elevations and existing utilities.

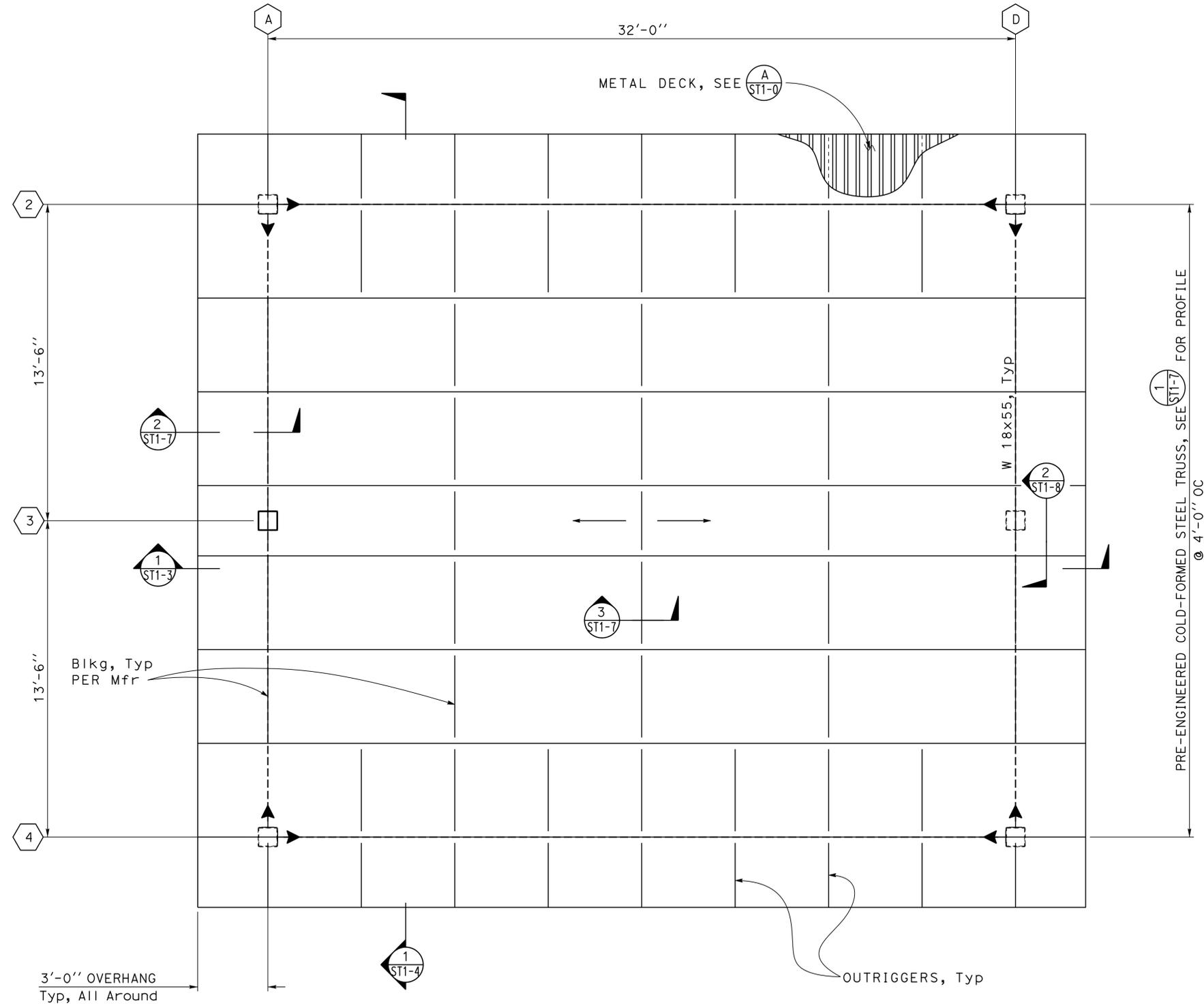


1 FOUNDATION PLAN
 Scale $\frac{3}{8}'' = 1' - 0''$
 Elevation 100.12 = Datum 0'-0''

TAEMWW Imperial Rev. 7/10 DESIGN ENGINEER 	DESIGN BY Tahir Rashid	CHECKED Thomas Tong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5718	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET ST1-1	
	DETAILS BY Daniel Harakh	CHECKED Tahir Rashid			POST MILE 5718			WASHRACK FOUNDATION PLAN
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			UNIT PROJECT NUMBER & PHASE 3581 07120002961	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 03-27-12 05-12-12 05-12-12 11-19-14 02-19-15 03-02-15 06-25-15 06-27-12 07-30-12			SHEET OF

10-MAR-2015 11:25

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		27	56
 REGISTERED CIVIL ENGINEER			11-17-14 DATE		
3-16-15 PLANS APPROVAL DATE					
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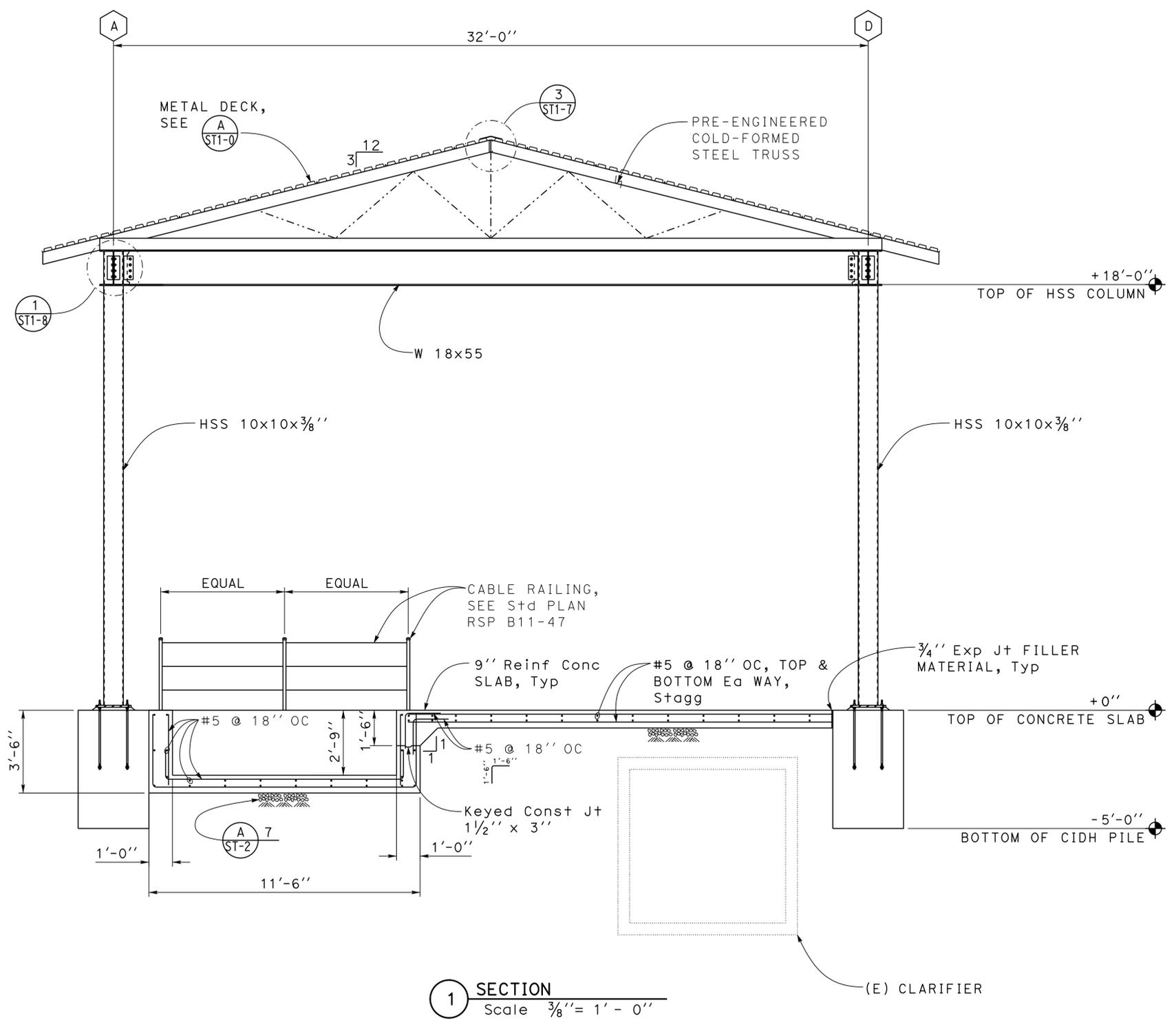
A NOTE:
 1.  Indicate Column, Beam moment connection.

1 ROOF FRAMING PLAN
 Scale $\frac{3}{8}'' = 1' - 0''$

TAEMWW Imperial Rev. 7/10	DESIGN BY Tahir Rashid	CHECKED Thomas Tong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5718	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET ST1-2
	DETAILS BY Daniel Harakh	CHECKED Tahir Rashid		PROJECT NUMBER & PHASE 3581 07120002961	POST MILE WASHRACK		ROOF FRAMING PLAN
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	
				04-28-12 06-01-12 06-15-12 06-21-12 07-11-12 08-12-12 08-12-13		SHEET OF	

10-MAR-2015 11:25

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		28	56
 REGISTERED CIVIL ENGINEER			11-17-14 DATE		
3-16-15 PLANS APPROVAL DATE					
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1 SECTION
 Scale $\frac{3}{8}'' = 1' - 0''$

TAEMWW Imperial Rev. 7/10	DESIGN BY Tahir Rashid	CHECKED Thomas Tong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 5718	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET ST1-3
	DETAILS BY Daniel Harakh	CHECKED Tahir Rashid		PROJECT NUMBER & PHASE 3581 07120002961	POST MILE WASHRACK		SECTION DETAILS
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		
			EA 07-1W510	04-27-12 06-01-12 06-21-12 07-17-12 07-30-12 09-27-12 10-05-12 02-13-13 03-02-15	SHEET OF		

10-MAR-2015 11:25

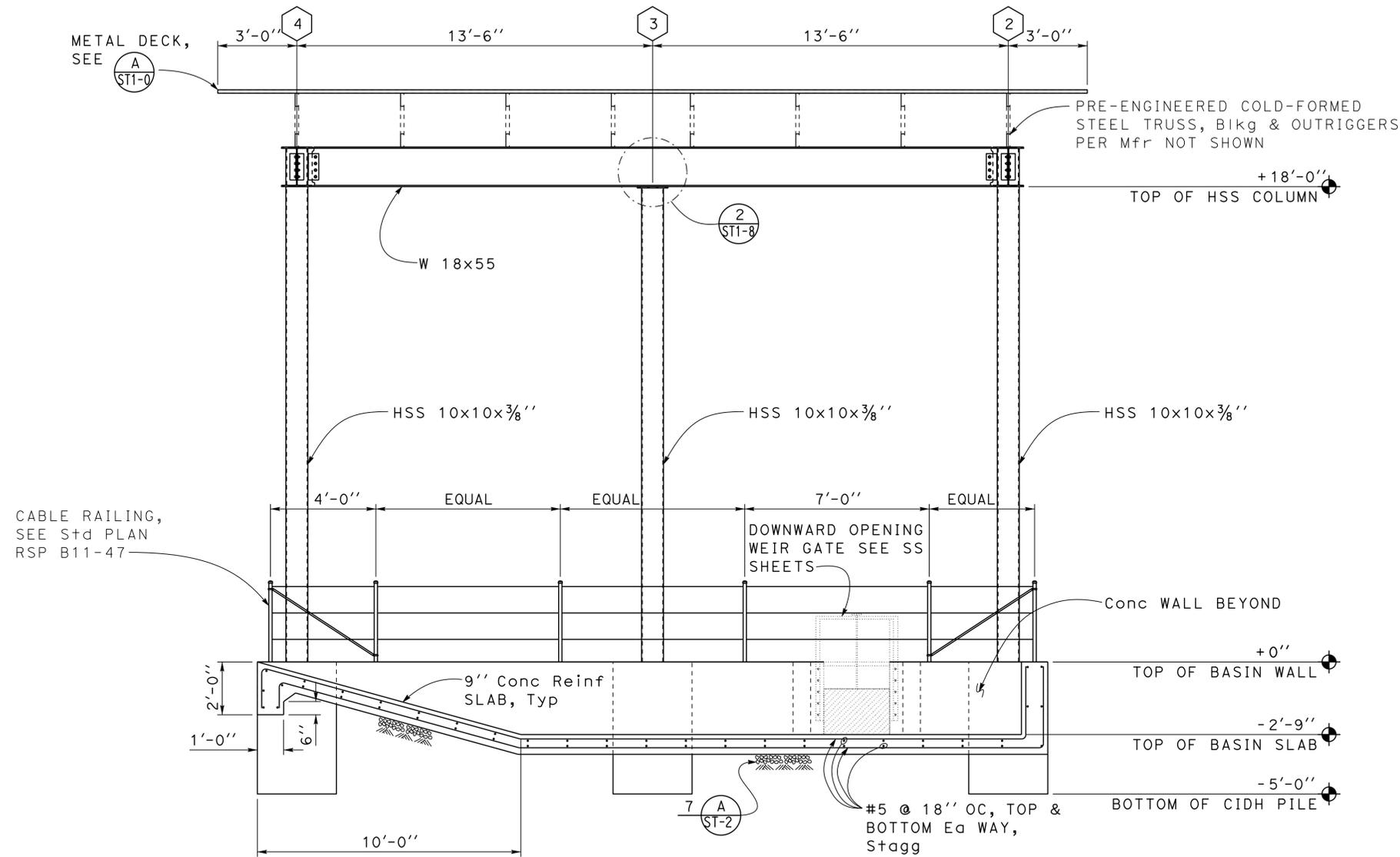
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		29	56

Tahir Rashid
REGISTERED CIVIL ENGINEER
DATE 11-17-14

3-16-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Tahir Rashid
No. 61932
Exp. 9-30-15
CIVIL
STATE OF CALIFORNIA

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1 SECTION
Scale 3/8" = 1' - 0"

DESIGN	BY Tahir Rashid	CHECKED Thomas Tong
DETAILS	BY Daniel Harakh	CHECKED Tahir Rashid
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	5718
POST MILE	

LAS FLORES MAINTENANCE STATION WASHRACK

SECTION DETAILS

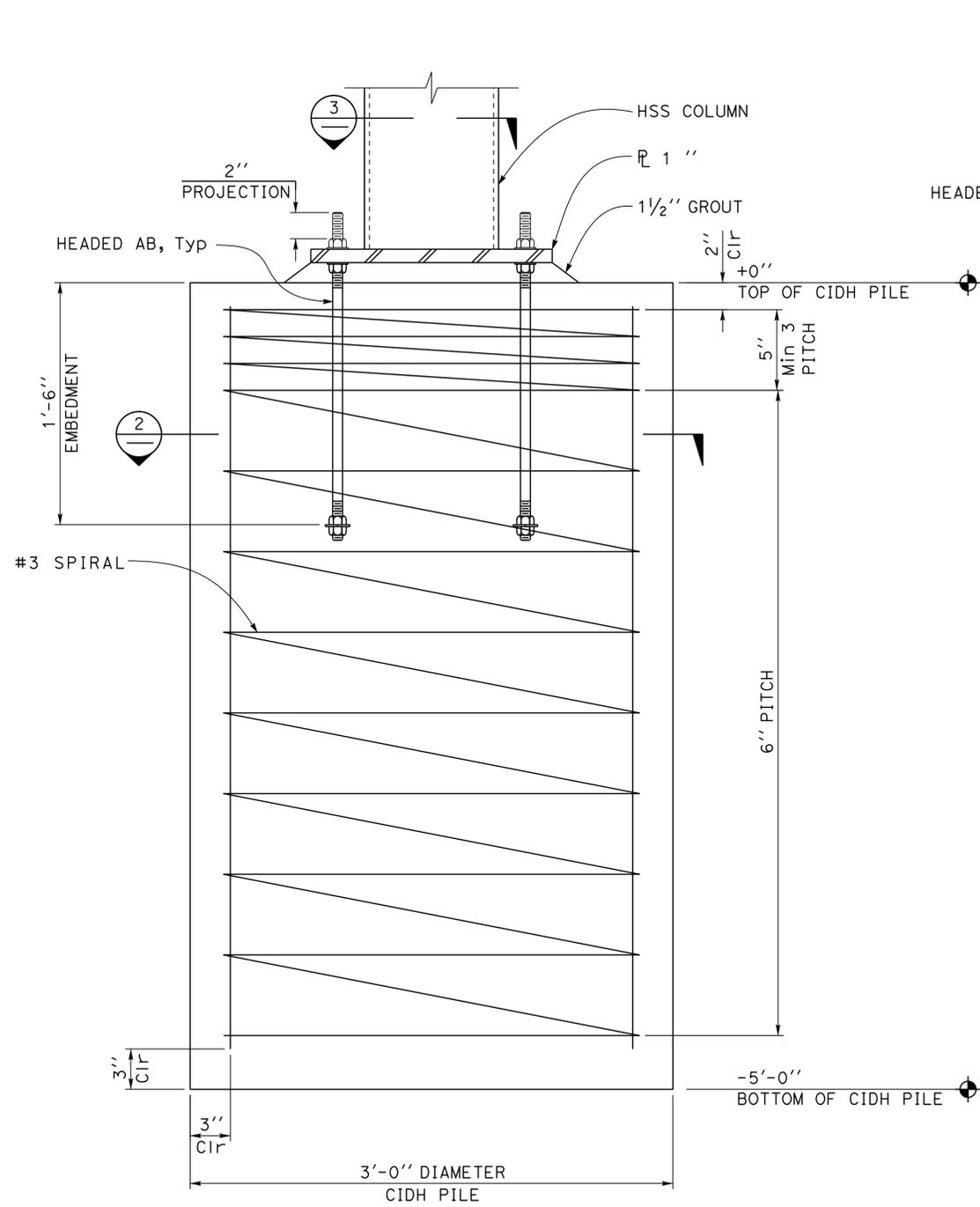
SHEET **ST1-4**

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		30	56

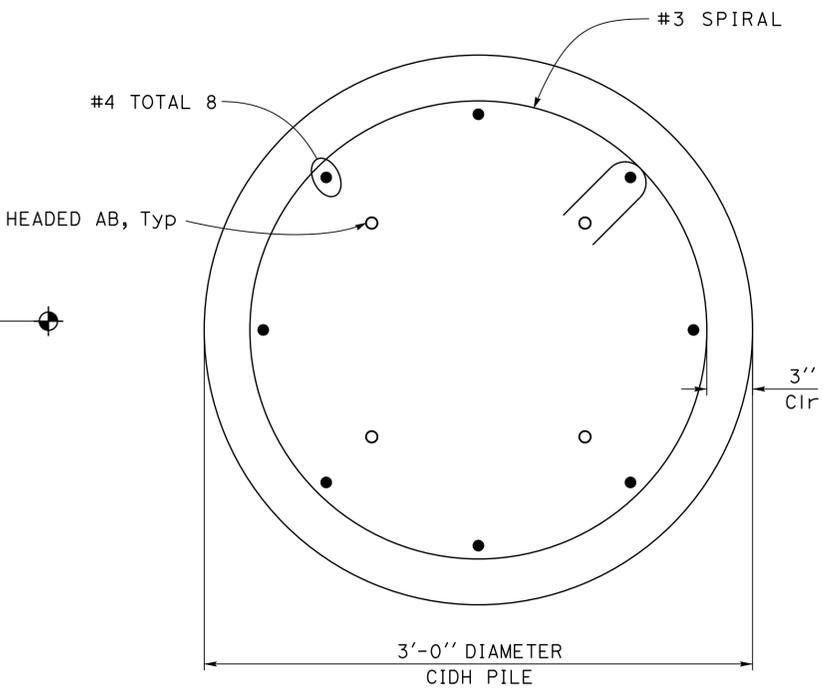
Tahir Rashid
REGISTERED CIVIL ENGINEER
DATE 11-17-14
No. 61932
Exp. 9-30-15
CIVIL
STATE OF CALIFORNIA

3-16-15
PLANS APPROVAL DATE

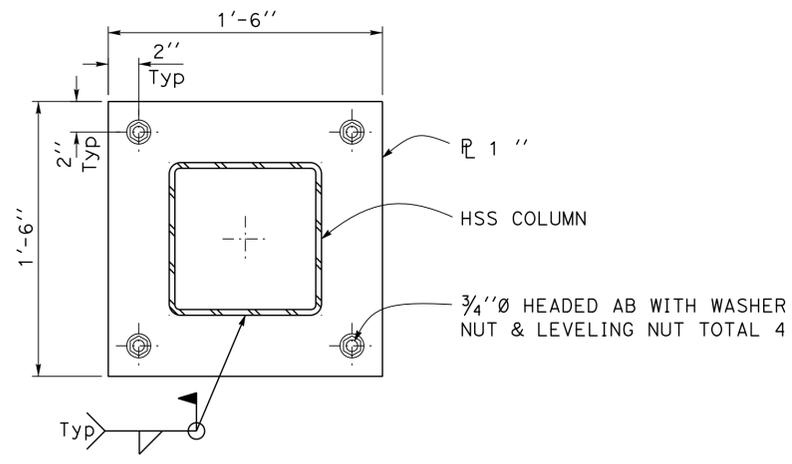
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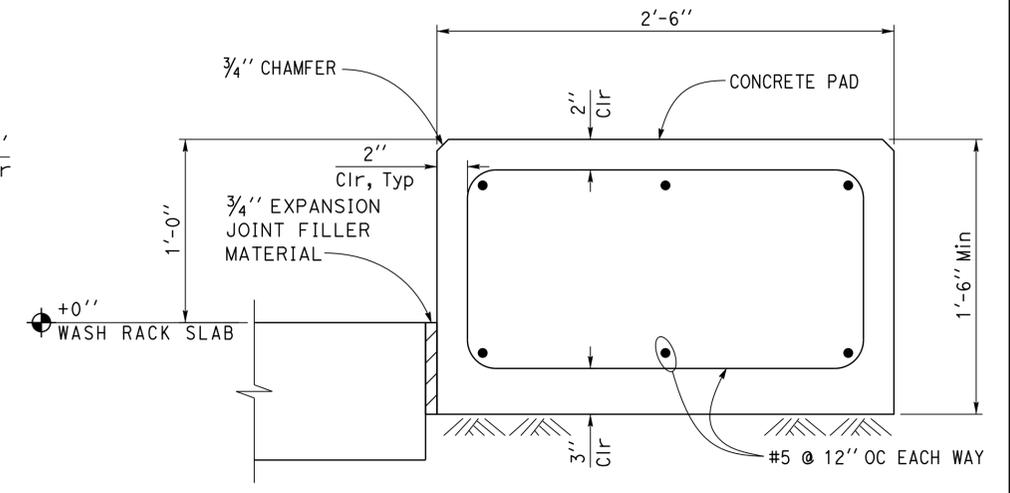
1 CIDH PILE FOOTING
Scale 2" = 1' - 0"



2 CIDH PILE SECTION
Scale 2" = 1' - 0"



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



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

DESIGN	BY Tahir Rashid	CHECKED Thomas Tong
DETAILS	BY Daniel Harakh	CHECKED Tahir Rashid
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

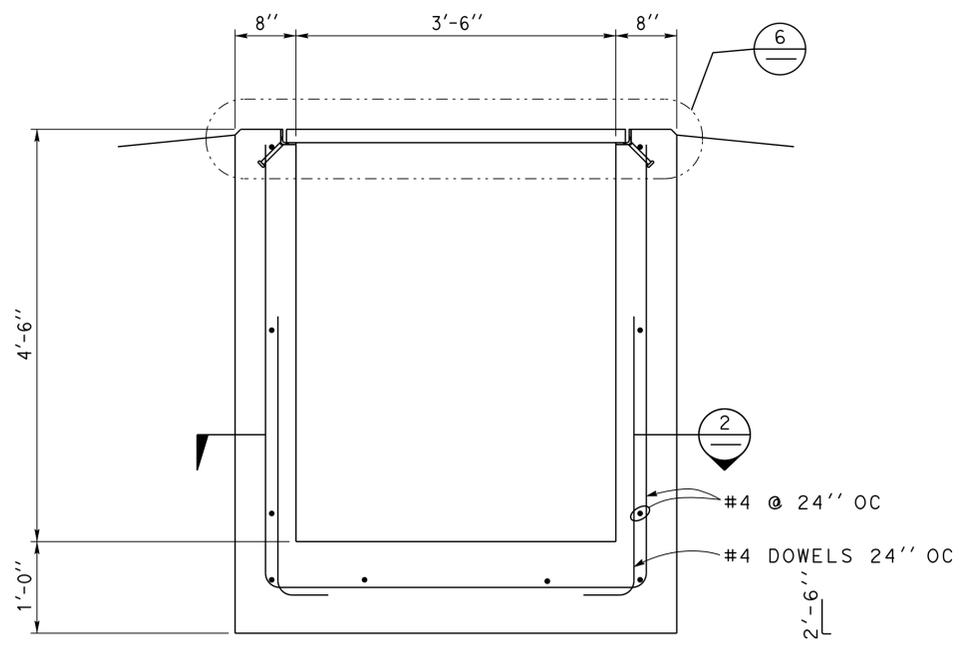
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 5718
POST MILE

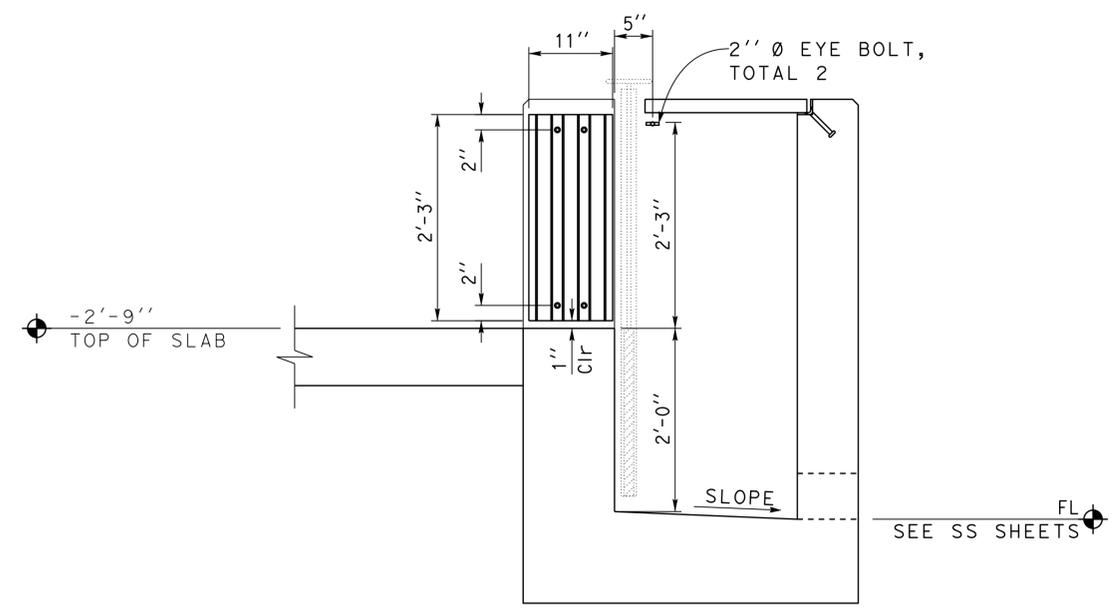
LAS FLORES MAINTENANCE STATION WASHRACK
WASHRACK FOUNDATION DETAILS

SHEET **ST1-5** OF

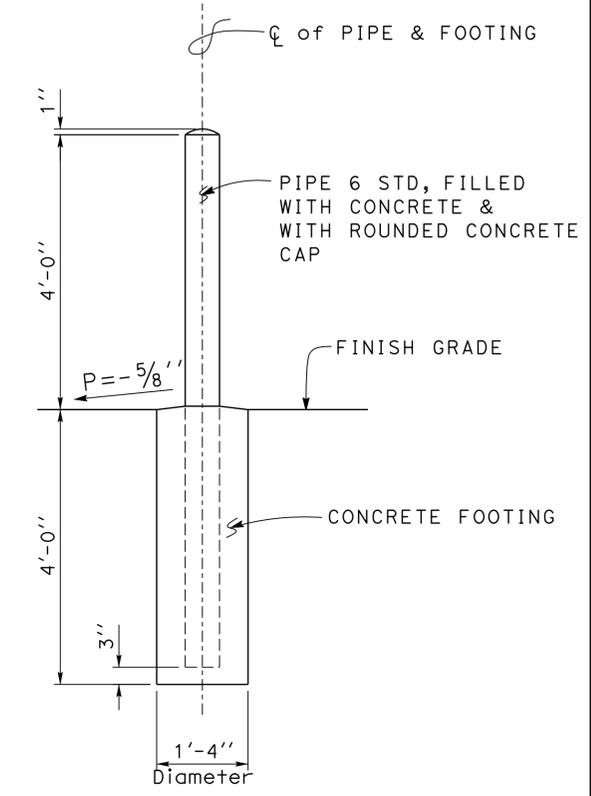
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		31	56
			11-17-14	DATE	
3-16-15			PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.					



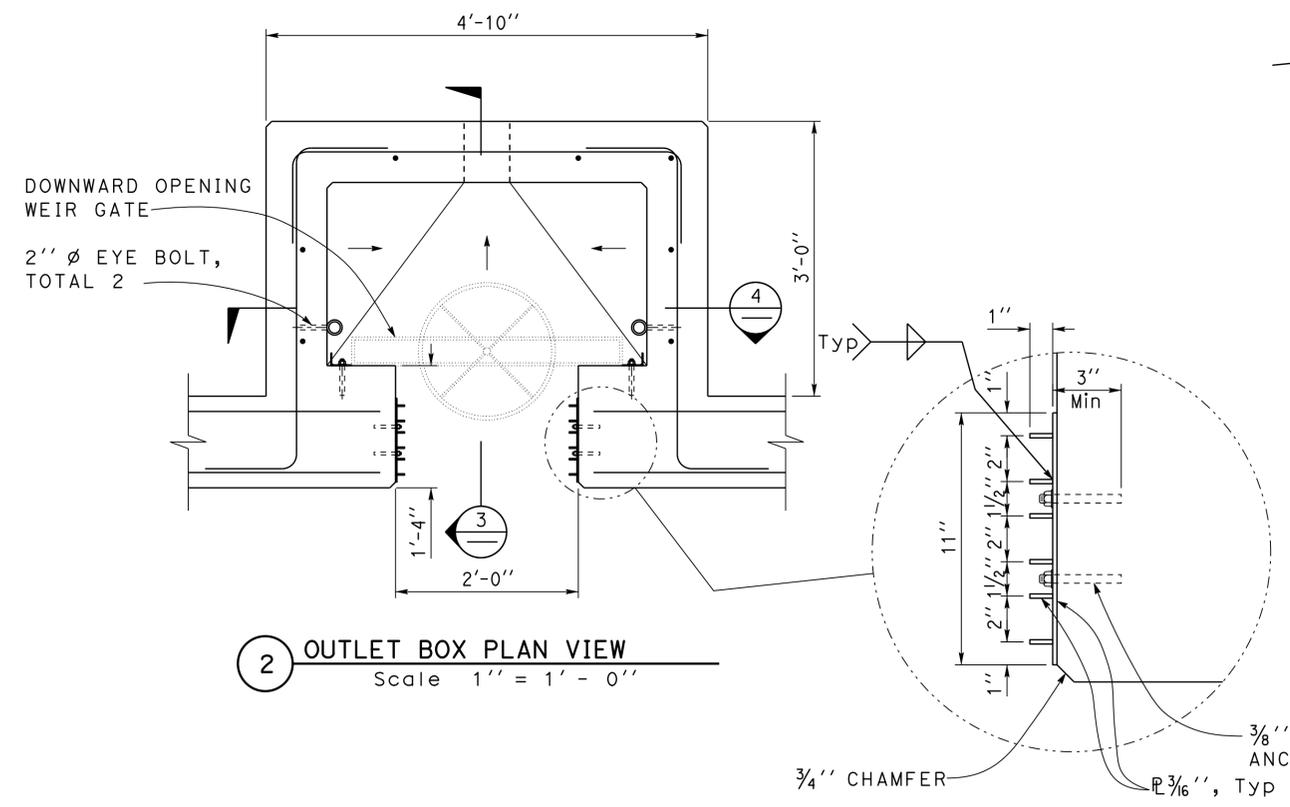
1 OUTLET BOX SECTION
Scale 1" = 1' - 0"



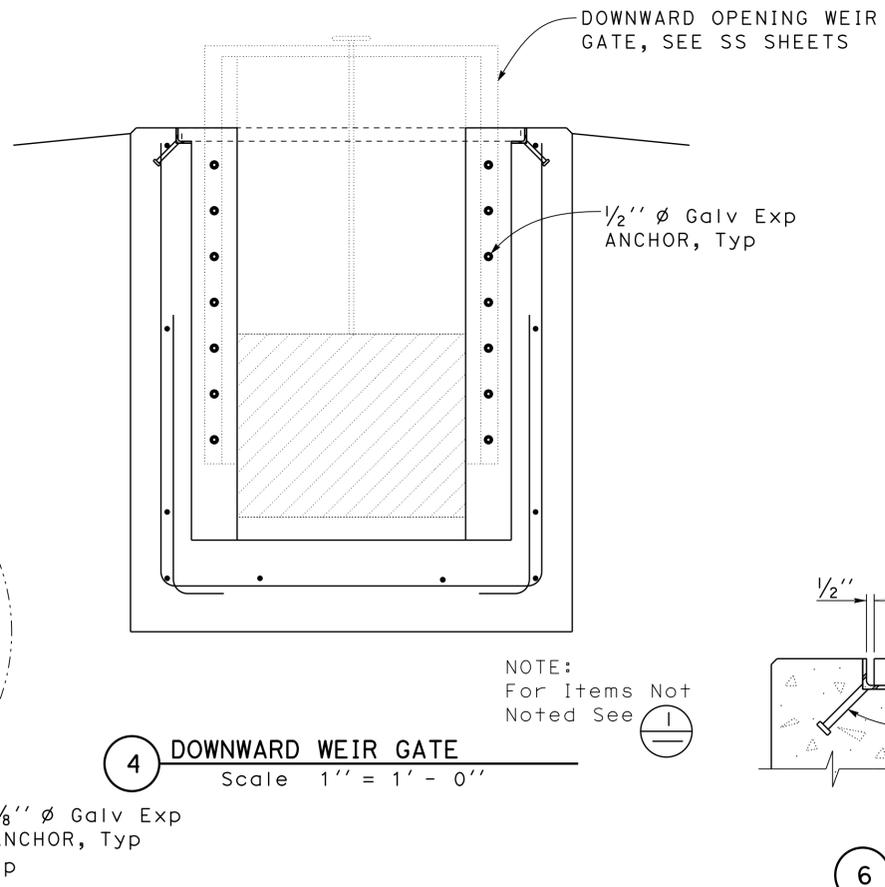
3 OUTLET BOX SECTION
Scale 1" = 1' - 0"



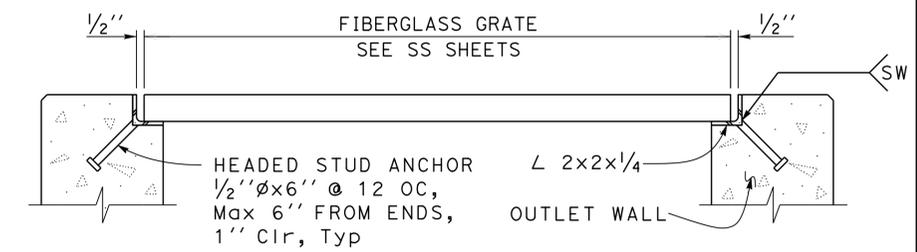
5 PIPE GUARDPOST DETAIL
Scale 3/4" = 1' - 0"



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



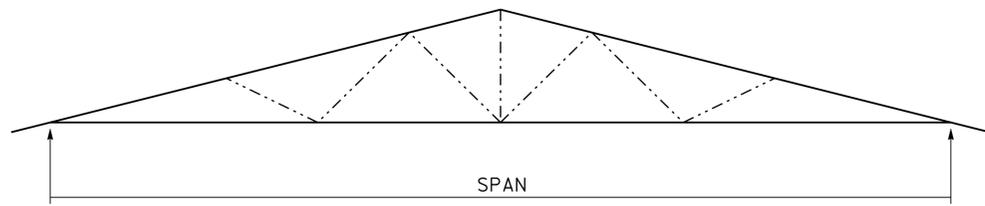
4 DOWNWARD WEIR GATE
Scale 1" = 1' - 0"



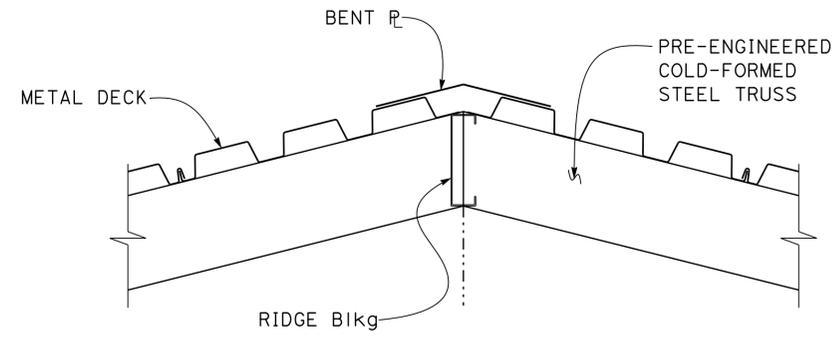
6 FIBERGLASS GRATE AND FRAME SECTION
Scale 2" = 1' - 0"

DESIGN	BY	Tahir Rashid	CHECKED	Thomas Tong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	LAS FLORES MAINTENANCE STATION WASHRACK		SHEET
	DETAILS	BY	Daniel Harakh	CHECKED			Tahir Rashid	5718	OUTLET BOX SECTIONS	
QUANTITIES	BY		CHECKED				POST MILE	WASHRACK		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	UNIT PROJECT NUMBER & PHASE	
TAEMWW Imperial Rev. 7/10					0	1	2	3	3581 07120002961	
					DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
							06-21-12 09-12-12 11-21-14 03-02-15		11 OF 11	
							P:\d1st_07\0712000296_las_flores_wr\exped1fe\st1_06.dgn			

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		32	56
			11-17-14 REGISTERED CIVIL ENGINEER DATE		
3-16-15 PLANS APPROVAL DATE					
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1 TRUSS PROFILE
NO SCALE

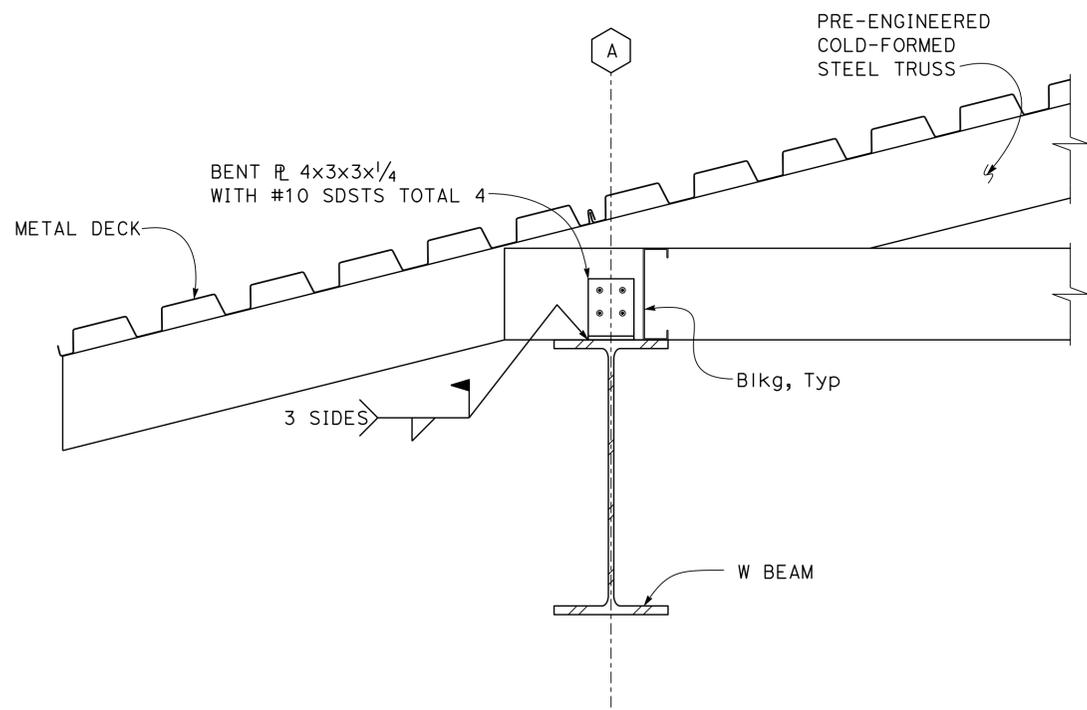
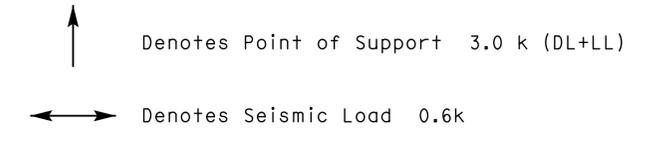


3 CONNECTION DETAIL
Scale 2" = 1' - 0"

A PRE-ENGINEERED COLD-FORMED STEEL TRUSS REQUIREMENTS

LOADS:	Dead Load	Live Load
Top Chord (Roof):	10 psf	20 psf
Bottom Chord (Ceiling)	5 psf	psf
Wind Uplift @ Eave:	20 psf	

- Deflection:
 Live Load ----- L/360
 Total Load ----- L/240
- Camber must be 1.5 Times Dead Load Deflection



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

DESIGN BY Tahir Rashid CHECKED BY Thomas Tong DETAILS BY Daniel Harakh CHECKED BY Tahir Rashid QUANTITIES BY CHECKED BY	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET ST1-7 OF
			5718		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT PROJECT NUMBER & PHASE 3581 07120002961	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)
TAEMWW Imperial Rev. 7/10		EA 07-1W510	06-18-12 07-17-12 08-12-12 03-02-15		SHEET OF

10-MAR-2015 11:25

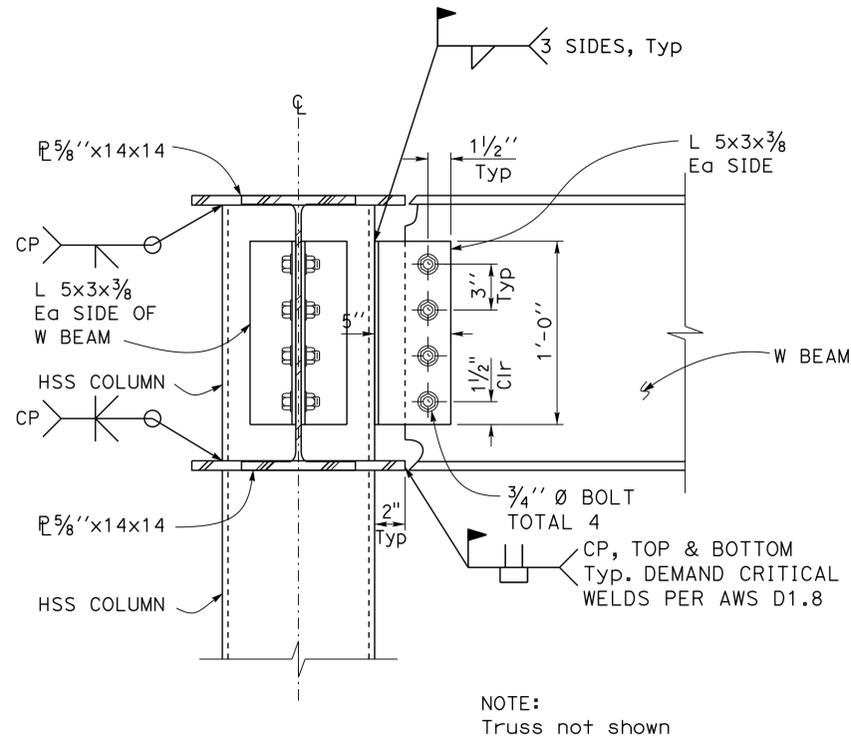
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		33	56

Tahir Rashid
REGISTERED CIVIL ENGINEER
DATE 11-17-14

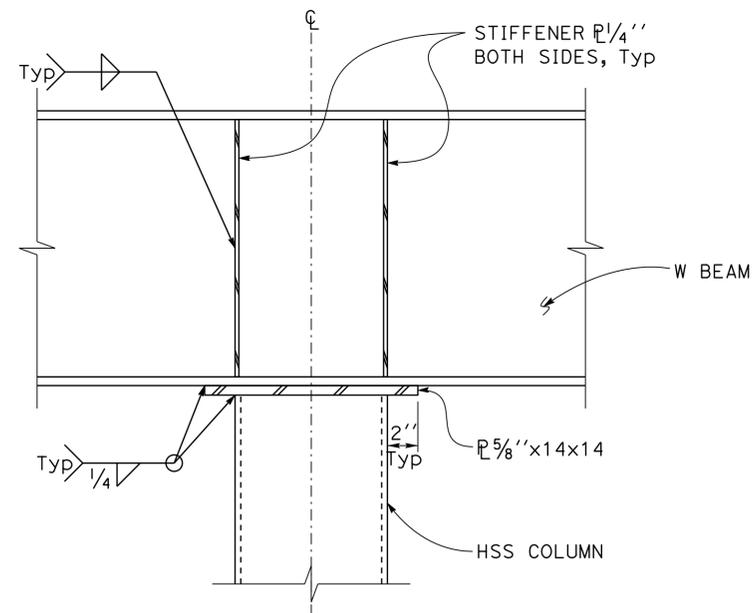
3-16-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Tahir Rashid
No. 61932
Exp. 9-30-15
CIVIL
STATE OF CALIFORNIA

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1 BEAM CONNECTION DETAIL
Scale 2" = 1' - 0"



2 BEAM CONNECTION DETAIL
Scale 2" = 1' - 0"

DESIGN	BY Tahir Rashid	CHECKED Thomas Tong
DETAILS	BY Daniel Harakh	CHECKED Tahir Rashid
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	5718
POST MILE	

LAS FLORES MAINTENANCE STATION WASHRACK
WASHRACK
ROOF FRAMING DETAILS 2

SHEET **ST1-8** OF

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
	RECESSED 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
S1	OCCUPANCY SENSOR WALL SWITCH, SINGLE LEVEL
S2	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
-x-x-	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.
A1,2	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—	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
O	POLE
	OCCUPANCY SENSOR
	OCCUPANCY SENSOR POWER PACK
	MANUAL PULL STATION
	AUDIO/VISUAL ALARM DEVICE
	HEAT DETECTOR
	SMOKE DETECTOR
	GLASS BREAK DISCRIMINATOR
	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
	SECTION/ELEVATION LETTER
	SHEET NUMBER
	DETAIL NUMBER
	SHEET NUMBER

REMODEL WORK

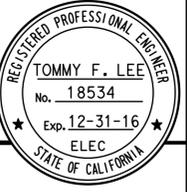
SYMBOL	DESCRIPTION
	EXISTING FLUORESCENT FIXTURE-TO REMAIN
	EXISTING FLUORESCENT FIXTURE-REMOVE
	EXISTING INCANDESCENT FIXTURE-TO REMAIN
	EXISTING INCANDESCENT FIXTURE-REMOVE
	EXISTING OUTLET-TO REMAIN
	EXISTING RECEPTACLE OUTLET-TO REMAIN
	EXISTING RECEPTACLE OUTLET-REMOVE
-E---E-	EXISTING CONDUIT AND CONDUCTORS-TO REMAIN UNLESS OTHERWISE NOTED
-x---x-	EXISTING CONDUIT AND CONDUCTORS-REMOVE
S	EXISTING SWITCH-TO REMAIN
X	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 CLOSED, 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
07	LA	5718		34	56

Tommy F. Lee
 REGISTERED ELECTRICAL ENGINEER
 12-12-14
 DATE



3-16-15
 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: Andrew McSorley
 Approval date: 3-2-2015
 CSFM: 01-19-11-0164-007

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN	BY Tommy F. Lee	CHECKED Joseph Abdelsayed
DETAILS	BY Tommy F. Lee	CHECKED Joseph Abdelsayed
QUANTITIES	BY Tommy F. Lee	CHECKED Joseph Abdelsayed

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO. 5718
 POST MILE

LAS FLORES MAINTENANCE STATION WASHRACK

SHEET **EE0-0**

TAEMWW Imperlal Rev. 3/12

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT NO.: 07-1W5104
 PROJECT NUMBER & PHASE 07120002961

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
3/18/09 6/22/12 1/28/12 8/28/12 9/22/12 12/28/12 11/17/14 12/12/14		

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
 CL 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
 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
 PL PLATE
 PL PILOT LIGHT
 PS PRESSURE SWITCH
 PTS POWER TRANSFER SWITCH
 PV PHOTOVOLTAIC
 PVC POLYVINYL CHLORIDE

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

S
 S STARTER COIL
 Sch SCHEDULE
 SD SERVICE DISCONNECT
 SD SERVICE DISCONNECT
 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
 TDR TIME DELAY RELAY
 TGLS TOGGLE SWITCH
 TM TIME METER
 Tot TOTAL
 TS TIMER SWITCH
 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

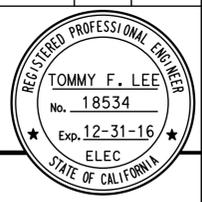
CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: *[Signature]*
 ANDREW MCSORLEY
 Approval date: 3-2-2015
 CSFM: 01-19-11-0164-007

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		35	56

Tommy F. Lee 12-12-14
 REGISTERED ELECTRICAL ENGINEER DATE

3-16-15
 PLANS APPROVAL DATE

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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 NOTES

- [AB] Abandon. If applied to conduit, remove conductors.
- [BC] Install pull box in existing conduit run.
- [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 rope and plug.
- [FA] Remove foundation above grade and abandon foundation below grade.
- [RL] Relocate equipment.
- [RLD] Relocated equipment.
- [SC] Splice new to existing conductors.

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY	DESIGN	BY Tommy F. Lee	CHECKED Joseph Abdelsayed	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO.	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET	EE0-1
	DETAILS	BY Tommy F. Lee	CHECKED Joseph Abdelsayed		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	5718		LEGEND	
	QUANTITIES	BY Tommy F. Lee	CHECKED Joseph Abdelsayed						

TAEMWW Imperial Rev. 3/12 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 UNIT: 3597 CONTRACT No.: 07-1W5104 PROJECT NUMBER & PHASE 07120002961 EA 07-1W5101

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)									
3/18/09	6/22/12	7/26/12	8/30/12	9/27/12	12/1/12	11/17/14	12/12/14		

SHEET OF

10-MAR-2015 11:21

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

Project Name: LAS FLORES MAINTENANCE STATION	Date: 2/20/15
Project Address: 3503 LAS FLORES CANYON ROAD MALIBU, CA 90265	Total Hardscape Illuminated Area: NA

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: TOMMY F. LEE Signature: *Tommy F. Lee*

Company: CA DEPARTMENT OF TRANSPORTATION Date: 2/20/15

Address: 1801 30TH STREET, MS9-3/11H If applicable: CEA # CEPE #

City/State/Zip: SACRAMENTO, CA 95816 Phone: (916) 227-8376

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: TOMMY F. LEE Signature: *Tommy F. Lee*

Company: CA DEPARTMENT OF TRANSPORTATION License #: E 18534

Address: 1801 30TH STREET, MS9-3/11H

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: _____

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

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

COMPLIANCE FIXTURE/LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST

Project Name: LAS FLORES MAINTENANCE STATION Date: 2/20/15

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 Luminaire 1	Special Features	How wattage was determined		Number of Luminaires	Installed Watts (D x G)	Field Inspector 2
					Default from NA-8	According to S 130 (d or e)			Pass Fail
L1	Surface, 82W LED, Integral Ballast	FC	82	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	6	492	<input type="checkbox"/> <input type="checkbox"/>
L2	Wall Mount, 18 W LED, LED Engine Driver and PEC	FC	18	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	18	<input type="checkbox"/> <input type="checkbox"/>
L3	Surface, 39 W LED, LED Engine Driver and Motion Sensor	FC	39	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	39	<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:								549	

1. 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).
2. 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 Field Inspection

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

MANDATORY CONTROLS Field Inspection

#	Description	Location	#	Description	Location
2	Photoelectric cell	CANOPY, EXTERIOR LIGHT			
1	TIMER SWITCH	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.

Field Inspector Notes or Discrepancies:

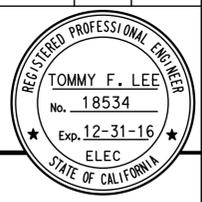
2008 Nonresidential Compliance Forms July 2010

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		36	56

Tommy F. Lee 12-12-14
REGISTERED ELECTRICAL ENGINEER DATE

3-16-15
PLANS APPROVAL DATE

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Reviewed by: *Andrew McSorley*
ANDREW MCSORLEY
Approval date: 3-2-2015
CSFM: 01-19-11-0164-007

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY	DESIGN BY Tommy F. Lee	CHECKED Joseph Abdelsayed	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 5718	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET EE0-2
	DETAILS BY Tommy F. Lee	CHECKED Joseph Abdelsayed		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		
TAEMWW Imperial Rev. 3/12	QUANTITIES BY Tommy F. Lee	CHECKED Joseph Abdelsayed	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 3597 CONTRACT No.: 07-1W5104 PROJECT NUMBER & PHASE 07120002961	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

10-MAR-2015 11:21 ee0_02.dgn

General Notes:

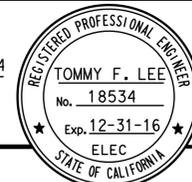
1. For exact location of Washrack, see Architectural sheets.
2. For locations of oil-sand/water separator and clarifier tank, See Sanitary sheets.
3. Provide sensor cables from sensor units to the monitoring systems without splicing.
4. Provide float switch sensor cables from sensor units to the clarifier tank pump control panel without splicing.

NOTES:

- (A) Existing Panel A is 240/120 V, 3-phase, 4 wire with 150-ampere Main Breaker. Replace existing 15-ampere, 3-pole circuit breaker in space A37-39-41 with 60-ampere, 3-pole circuit breaker. Salvage the existing circuit breaker.
- (B) 1" C, Sludge sensor cable.
- (C) 1 1/2" C, 2 Sludge sensor cables.
- (D) 1" C, Oil sensor cable.
- (E) 1 1/2" C, 4#12 (Pumps power), 4#12 (Control conductors), and 1#12G.
- (F) 1 1/2" C, 4 float switch cables.
- (G) Install Arc Flash and Shock Hazard warning sign. See Detail 1 on sheet EE1-6.
- (H) Install liquidtight cable grip connector on conduit.
- (I) For cable mounting installation, see detail 1 on this sheet.

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		38	56

Tommy F. Lee
 REGISTERED ELECTRICAL ENGINEER
 DATE 12-12-14



3-16-15
 PLANS APPROVAL DATE

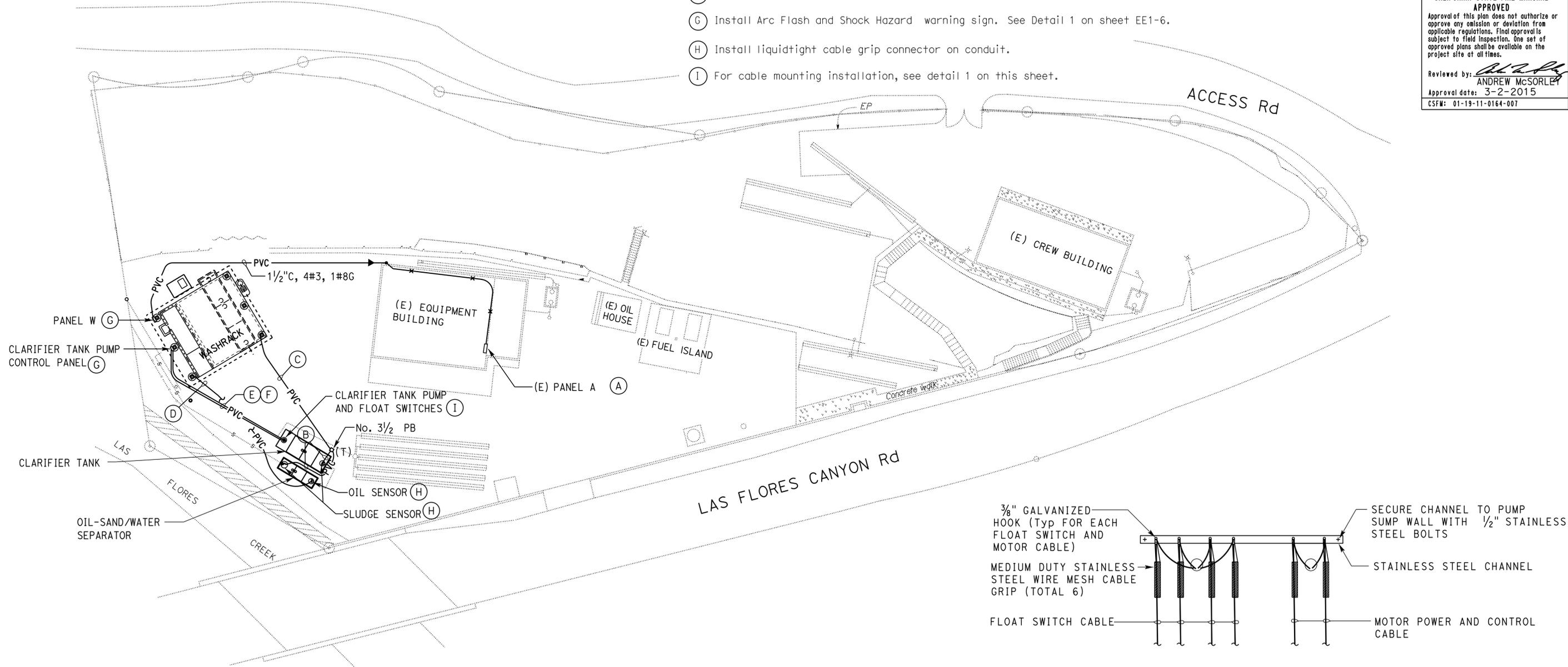
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Reviewed by: *Andrew McSorley*
 ANDREW MCSORLEY

Approval date: 3-2-2015
 CSFM: 01-19-11-0164-007



SITE PLAN
 1" = 20'

1 CABLE MOUNTING DETAIL
 NO SCALE

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

Joseph Abdelsayed
 DESIGN SUPERVISOR
Tommy F. Lee
 DESIGN ENGINEER

DESIGN	BY Tommy F. Lee	CHECKED Joseph Abdelsayed
DETAILS	BY Tommy F. Lee	CHECKED Joseph Abdelsayed
QUANTITIES	BY Tommy F. Lee	CHECKED Joseph Abdelsayed

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO. 5718
 POST MILE

LAS FLORES MAINTENANCE STATION WASHRACK
 SITE PLAN

SHEET **EE1-1** OF

TAEMWW Imperlal Rev. 3/12

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT: 3597 CONTRACT No.: 07-1W5104
 PROJECT NUMBER & PHASE 07120002961

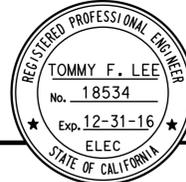
DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)							
4/28/12	7/28/12	8/28/12	9/28/12	9/28/12	12/28/12	11/14/14	12/12/14

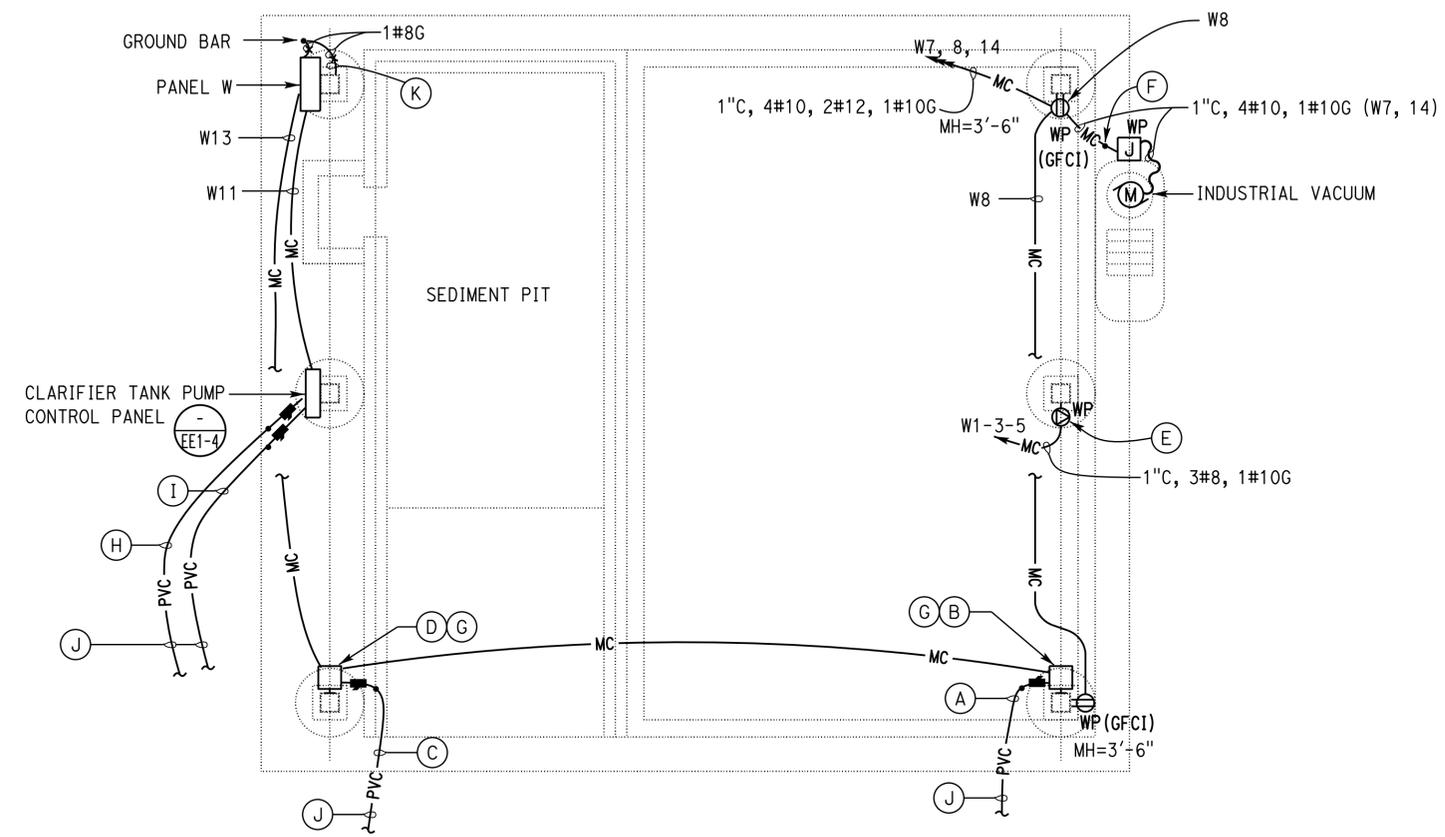
SHEET OF

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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		39	56

Approved by: <u>Tommy F. Lee</u> REGISTERED ELECTRICAL ENGINEER DATE 12-12-14		
Reviewed by: <u>Andrew McSorley</u> ANDREW MCSORLEY Approval date: 3-2-2015 CSFM: 01-19-11-0164-007		
3-16-15 PLANS APPROVAL DATE		
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GENERAL NOTE:
 A. For "CLARIFIER TANK PUMP CONTROL SCHEMATIC DIAGRAM", see sheet EE1-5.



- NOTES:
- (A) 1/2" C, 2 sludge sensor cables.
 - (B) Sludge tank monitoring system must be mounted inside NEMA 3R enclosure which is mounted on structural column at MH=3'-6". Label the junction box as "SLUDGE TANKS MONITORING SYSTEM".
 - (C) 1" C, Oil sensor cable.
 - (D) Oil monitoring system must be mounted inside NEMA 3R enclosure which is mounted on structural column at MH=3'-6". Label the junction box as "OIL MONITORING SYSTEM".
 - (E) High pressure washer receptacle (Special purpose receptacle, 30-ampere, 3-pole plus grounding pole, black with blue gasket), MH=3'-6"
 - (F) Stub up conduit adjacent and to suit industrial vacuum unit.
 - (G) Install duplex receptacle inside the NEMA 3R enclosure.
 - (H) 1/2" C, 4#12 (Pumps power), 4#12 (Control conductors) and 1#12G to clarifier tank.
 - (I) 1/2" C, 4 Float switch cables to clarifier tank.
 - (J) For continuation of conduit and conductors, see sheet EE1-1.
 - (K) Bond steel structure to ground rod.

PLAN
 1/4" = 1'-0"

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY	DESIGN	BY Tommy F. Lee	CHECKED Joseph Abdelsayed	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	5718	LAS FLORES MAINTENANCE STATION WASHRACK POWER PLAN	SHEET EE1-2 OF																				
	DETAILS	BY Tommy F. Lee	CHECKED Joseph Abdelsayed			POST MILE																							
TAEMWW Imperial Rev. 3/12	QUANTITIES	BY Tommy F. Lee	CHECKED Joseph Abdelsayed	UNIT: 3597 CONTRACT No.: 07-1W5104 PROJECT NUMBER & PHASE 07120002961	EA 07-1W5101	DISREGARD PRINTS BEARING EARLIER REVISION DATES → <table border="1"> <tr> <th colspan="10">REVISION DATES (PRELIMINARY STAGE ONLY)</th> </tr> <tr> <td>4/28/12</td> <td>5/31/12</td> <td>6/22/12</td> <td>7/28/12</td> <td>8/30/12</td> <td>9/28/12</td> <td>9/22/12</td> <td>12/21/12</td> <td>11/27/14</td> <td>12/12/14</td> </tr> </table>			REVISION DATES (PRELIMINARY STAGE ONLY)										4/28/12	5/31/12	6/22/12	7/28/12	8/30/12	9/28/12	9/22/12	12/21/12	11/27/14	12/12/14	SHEET OF
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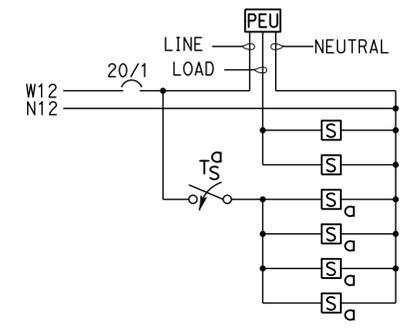
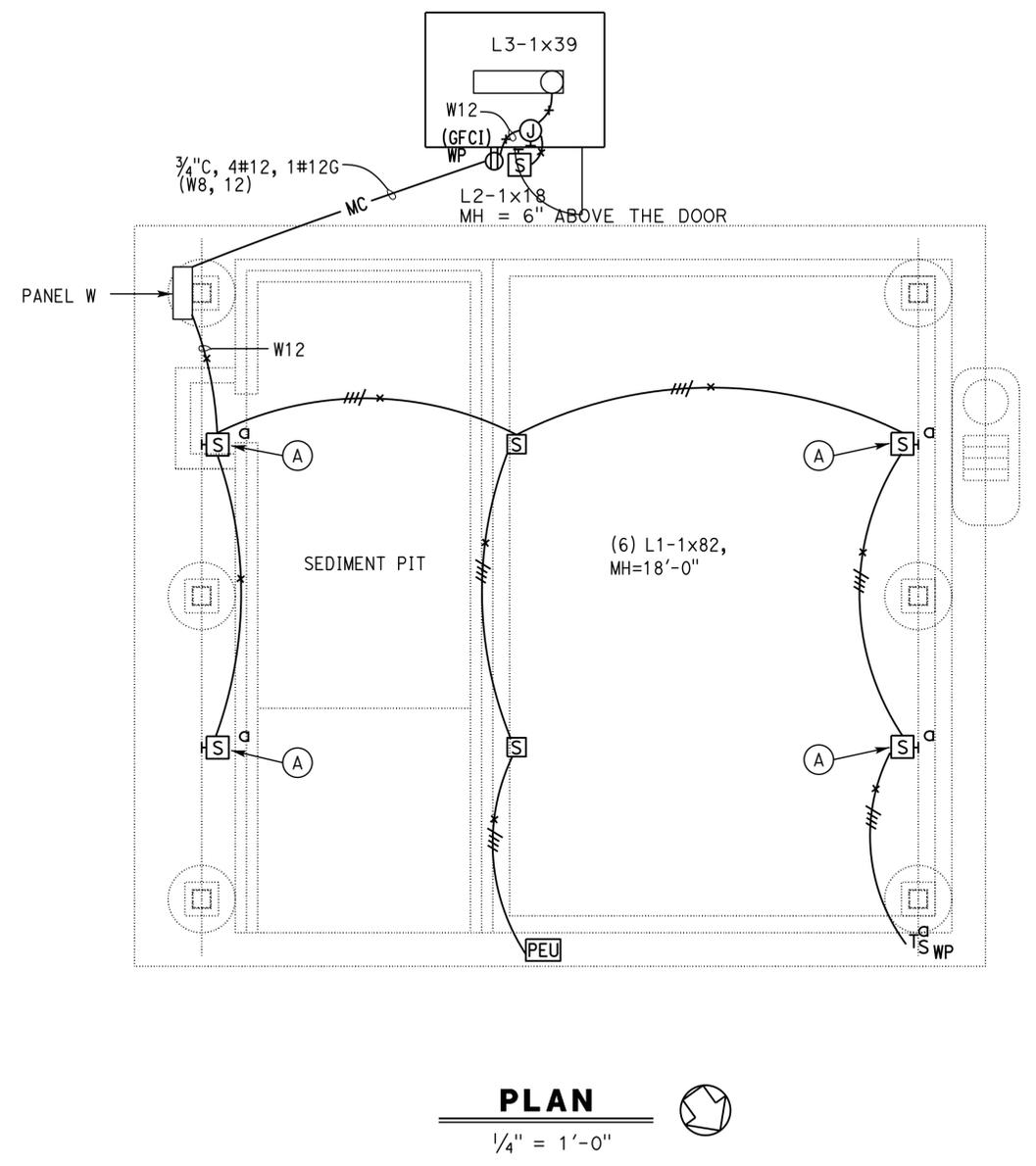
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		40	56

Approved by: <i>Andrew McSorley</i> ANDREW MCSORLEY Approval date: 3-2-2015 CSFW: 01-19-11-0164-007		12-12-14 DATE
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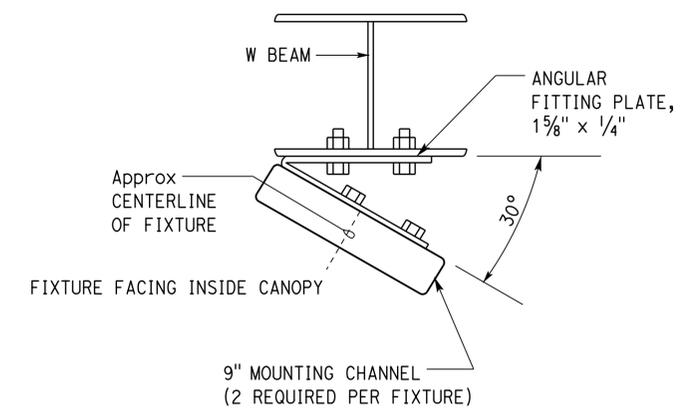
3-16-15 PLANS APPROVAL DATE	
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NOTE:
 (A) For fixture installation, see Detail A on this sheet.



CANOPY LIGHTING WIRING DIAGRAM



(A) FIXTURE MOUNTING DETAIL
 NO SCALE

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	DETAILS	BY Tommy F. Lee	CHECKED Joseph Abdelsayed		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		
TAEMWW Imperial Rev. 3/12	QUANTITIES	BY Tommy F. Lee	CHECKED Joseph Abdelsayed	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 3597 CONTRACT No.: 07-1W5104 PROJECT NUMBER & PHASE 07120002961	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

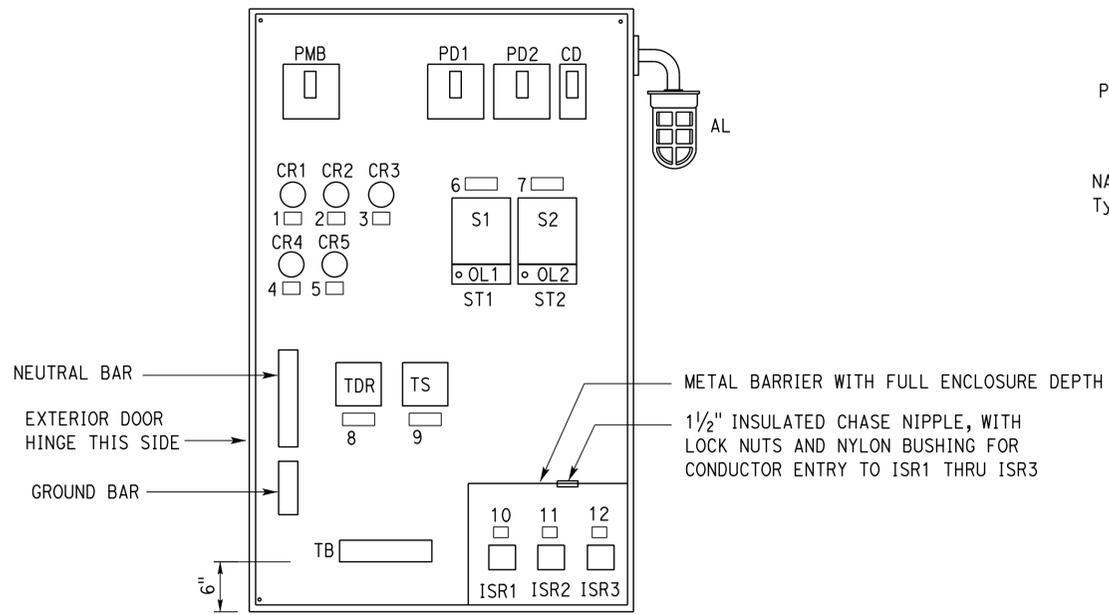
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		41	56

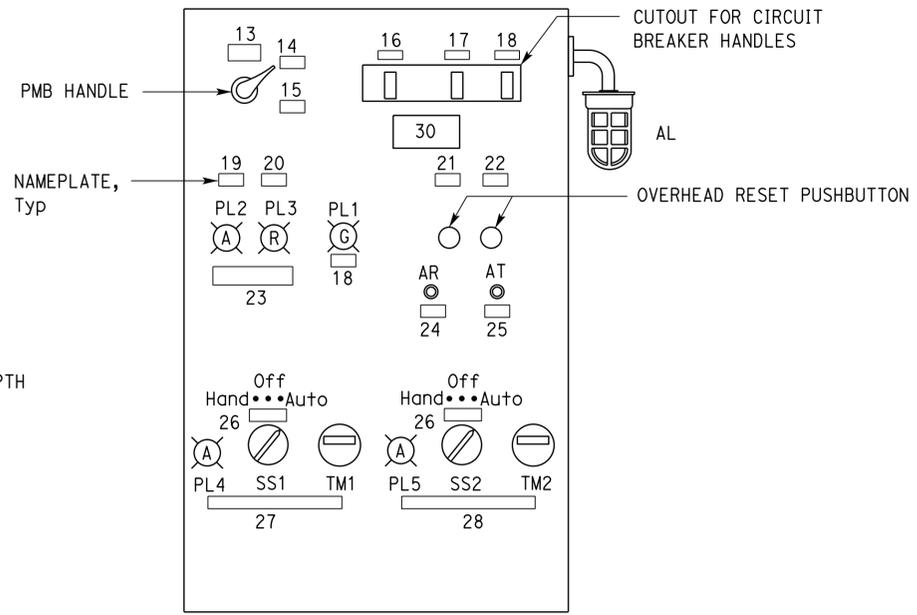
Tommy F. Lee
 REGISTERED ELECTRICAL ENGINEER
 No. 18534
 Exp. 12-31-16
 ELEC
 STATE OF CALIFORNIA

3-16-15
 PLANS APPROVAL DATE
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CALIFORNIA STATE FIRE MARSHAL
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 Approval date: 3-2-2015
 CSFM: 01-19-11-0164-007



(CONTROL PANEL EXTERIOR DOOR AND HINGED INTERIOR DEADFRONT PANEL NOT SHOWN)



(CONTROL PANEL EXTERIOR DOOR NOT SHOWN, HINGED INTERIOR DEADFRONT PANEL CLOSED)

NOTE:
 (A) Install nameplate item 29 on exterior door.

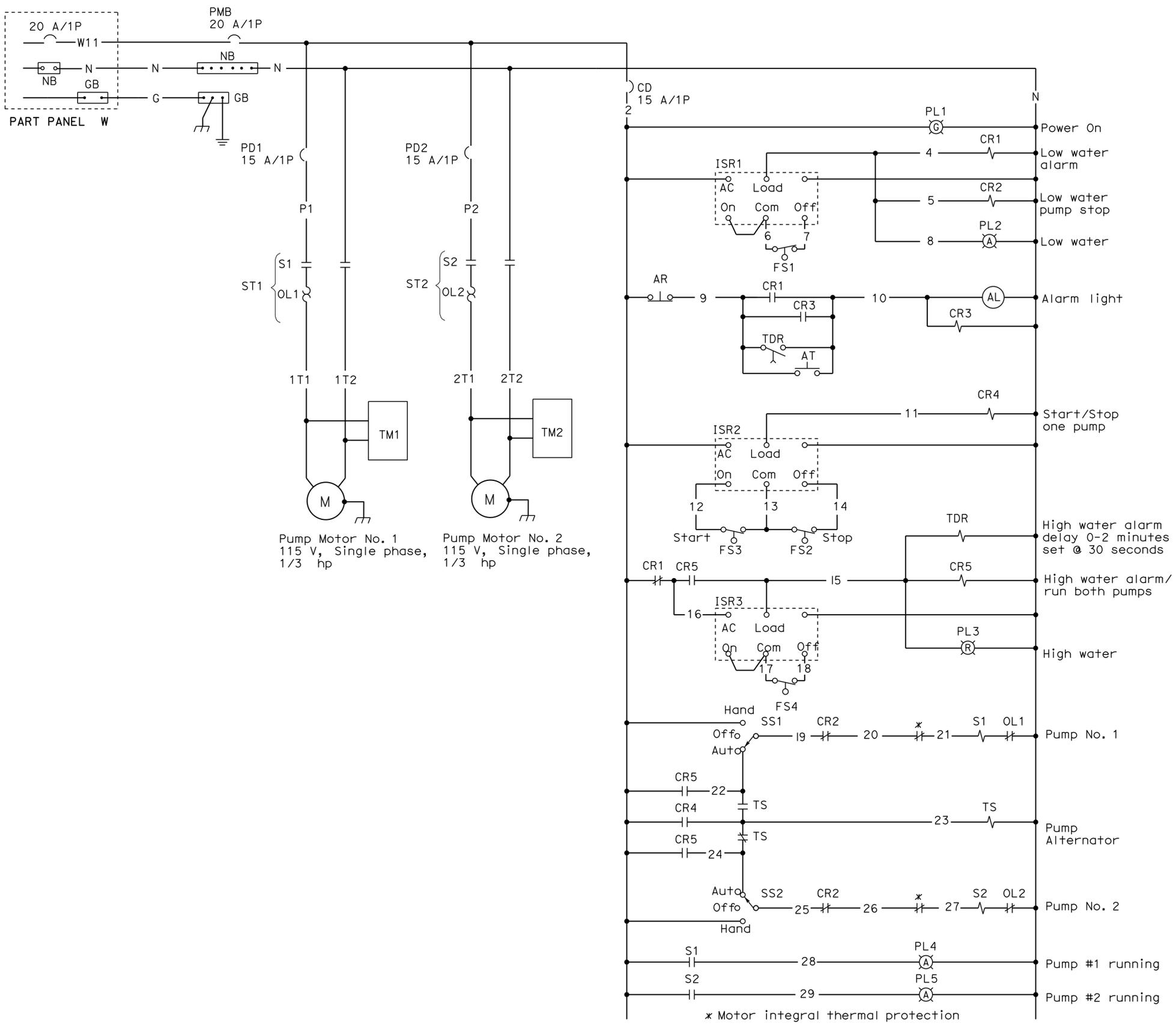
A ELEVATION
 NO SCALE

NAMEPLATE SCHEDULE					
ITEM No.	INSCRIPTION	LETTER HEIGHT	ITEM No.	INSCRIPTION	LETTER HEIGHT
1	CR1	1/4"	16	PUMP No. 1	1/4"
2	CR2	1/4"	17	PUMP No. 2	1/4"
3	CR3	1/4"	18	CONTROL	1/4"
4	CR4	1/4"	19	LOW WATER	1/4"
5	CR5	1/4"	20	HIGH WATER	1/4"
6	ST1	1/4"	21	RESET PUMP No. 1	1/4"
7	ST2	1/4"	22	RESET PUMP No. 2	1/4"
8	TDR	1/4"	23	ALARMS	1/4"
9	PUMP ALTERNATOR	1/4"	24	ALARM RESET	1/4"
10	ISR1	1/4"	25	ALARM TEST	1/4"
11	ISR2	1/4"	26	HAND OFF AUTO	1/4"
12	ISR3	1/4"	27	PUMP No. 1	1/4"
13	MAIN	1/4"	28	PUMP No. 2	1/4"
14	ON	1/4"	29	CLARIFIER TANK PUMP	3/8"
15	OFF	1/4"	(A)	CONTROL PANEL	

WARNING NAMEPLATE SCHEDULE		
ITEM No.	INSCRIPTION	LETTER HEIGHT
30	WARNING: MOTOR DISCONNECT DOES NOT OPEN CONTROL CIRCUIT	3/8"

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY	DESIGN BY Tommy F. Lee	CHECKED Joseph Abdelsayed	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5718	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET EE1-4	
	DETAILS BY Tommy F. Lee	CHECKED Joseph Abdelsayed			POST MILE			CLARIFIER TANK PUMP CONTROL PANEL
	QUANTITIES BY Tommy F. Lee	CHECKED Joseph Abdelsayed			REVISION DATES (PRELIMINARY STAGE ONLY)			
TAEMWW Imperial Rev. 3/12	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			UNIT: 3597 CONTRACT No.: 07-1W5104 PROJECT NUMBER & PHASE 07120002961	DISREGARD PRINTS BEARING EARLIER REVISION DATES	8/22/12 7/28/12 8/28/12 9/28/12 12/2/12 11/17/14 12/12/14	SHEET OF	

10-MAR-2015 11:22 ee1_04.dgn



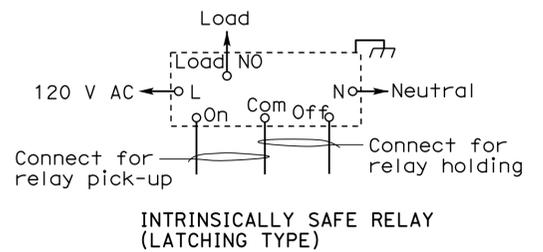
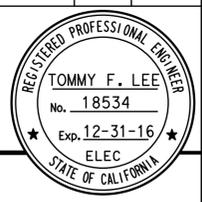
CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: *Andrew McSorley*
ANDREW MCSORLEY
 Approval date: 3-2-2015
 CSFM: 01-19-11-0164-007

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		42	56

Tommy F. Lee 12-12-14
 REGISTERED ELECTRICAL ENGINEER DATE

3-16-15
 PLANS APPROVAL DATE

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DESIGN	BY Tommy F. Lee	CHECKED Joseph Abdelsayed
DETAILS	BY Tommy F. Lee	CHECKED Joseph Abdelsayed
QUANTITIES	BY Tommy F. Lee	CHECKED Joseph Abdelsayed

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO. 5718
 POST MILE

LAS FLORES MAINTENANCE STATION WASHRACK
 CLARIFIER TANK PUMP CONTROL SCHEMATIC DIAGRAM

SHEET **EE1-5** OF

Note:

- (A) Install warning sign on exterior door: "Caution: "B" Phase has 208 Volts to ground".

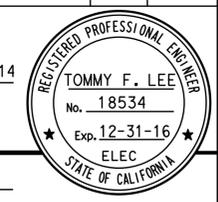
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		43	56

Tommy F. Lee 12-12-14
 REGISTERED ELECTRICAL ENGINEER DATE

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MAIN: 60 A MB
 VOLTS: 240/120 V, 3-PHASE, 4-WIRE

PANEL W (A)

FEEDER SIZE: 4#3, 1#8G
 LOCATION: WASHRACK

DESCRIPTION	AMPERES			Brk	Ckt	A	B	C	Ckt	Brk	AMPERES			DESCRIPTION
	A	B	C								A	B	C	
PORTABLE PRESSURE WASHER - EAST	18			30/3	1				2				SPARE	
		18			3				4	30/3				
			18		5				6					
VACUUM MOTOR	10			20/1	7				8	20/1	4.5		RECEPTACLES	
SPACE					9				10				SPACE	
PUMPS CONTROL PANEL			15	20/1	11				12	20/1		4	LIGHTING	
OIL/SLUDGE CONTROL PANEL	3			20/1	13				14		10		AIR COMPRESSOR MOTOR	
SPACE					15				16				SPACE	
SPACE				20/1	17				18	20/1			SPARE	
↓				↓	19				20	↓			↓	

A	B	C	TOTAL CONNECTED LOAD (AMPERES PER PHASE)
45.5	18	37	

ORANGE BACKGROUND
 BLACK LETTERING, Typ

WHITE BACKGROUND



1 WARNING LABEL
 NO SCALE

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

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN	BY Tommy F. Lee	CHECKED Joseph Abdelsayed
DETAILS	BY Tommy F. Lee	CHECKED Joseph Abdelsayed
QUANTITIES	BY Tommy F. Lee	CHECKED Joseph Abdelsayed

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO.	5718
POST MILE	

LAS FLORES MAINTENANCE STATION WASHRACK

PANEL SCHEDULE

SHEET **EE1-6** OF

ABBREVIATIONS

AB	AGGREGATE BASE	HZ	HERTZ
AC	ASPHALT CONCRETE	ID	INSIDE DIAMETER
APPROX	APPROXIMATELY	IE	INVERT ELEVATION (IN FEET)
B	BUNG	IN	INCH
BLDG	BUILDING	JB	JUNCTION BOX
C	CONDUIT	KW	KILOWATT
C-C	CENTER TO CENTER	LB	POUND
CFS	CUBIC FEET PER SECOND	LS	LANDSCAPE IRRIGATION
CI	CAST IRON	LT	LEFT
CL	CHAIN LINK	Max	MAXIMUM
CLR	CLEARANCE	MBV	MOTORIZED BALL VALVE
CMP	CORRUGATED METAL PIPE	MH	MANHOLE
CONC	CONCRETE	Min	MINIMUM
COTF	CLEANOUT TO FLOOR	N	NORTH
COTG	CLEANOUT TO GRADE	NB	NORTHBOUND
CPLG	COUPLING	NIC	NOT IN CONTRACT
CW	COLD WATER PIPE	NO	NUMBER
D	DRAIN	OC	ON CENTER
DBH	DIAMETER AT BREAST HEIGHT	OD	OUTSIDE DIAMETER
DI	DRAIN INLET	OG	ORIGINAL GROUND
DIA	DIAMETER	P	PITCH
DP	DRAIN PIPE	PCC	PORTLAND CEMENT CONCRETE
E	ELECTRICAL	PH	PHASE
(E)	EXISTING	PRV	PRESSURE REDUCING VALVE
EA	EACH	PVC	POLYVINYL CHLORIDE
EL	ELEVATION	R	RADIUS
EP	EDGE OF PAVEMENT	RCP	REINFORCED CONCRETE PIPE
EQ	EQUAL	REQ	REQUIRED
EXP	EXPANSION	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	SEWER PIPE
FTR	FLUE THROUGH ROOF	SQ	SQUARE
GA	GAUGE	SST	STAINLESS STEEL
GAC	GRANULAR ACTIVATED CARBON	STA	STATION
Gal	GALLON	STD	STANDARD
GFCI	GROUND FAULT CIRCUIT INDICATOR	TBM	TEMPORARY BENCH MARK
GPM	GALLONS PER MINUTE	TOC	TOP OF CONCRETE
Galv	GALVANIZED	TOT	TOTAL
GSP	GALVANIZED STEEL PIPE	Typ	TYPICAL
GV	GATE VALVE	VAC	VOLTS AC
GS	GOVERNMENT SERVICE LINE	VCP	VITRIFIED CLAY PIPE
H	HEIGHT	W	WATER
HMA	HOT MELT ASPHALT	W/O	WITHOUT
HF	HOSE FAUCET	WP	WATER PIPE
HMA	HOT MIX ASPHALT	WSP	WELDED STEEL PIPE
HP	HORSEPOWER		

LEGEND

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

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		44	56

Jerome R. Marcotte 12/08/14
REGISTERED CIVIL ENGINEER DATE

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

3-16-15
PLANS APPROVAL DATE

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ANDREW MCSORLEY
Approval date: 3-2-2015
CSFM: 01-19-11-0164-007

PIPE FITTINGS AND VALVES

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

GENERAL WORK NOTES

- (A) Verify all controlling field dimensions and conditions before ordering or fabricating any materials.
- (B) 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.	5718	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET SS-0		
	DETAILS	BY	Kosha Shah	CHECKED			Jerry Marcotte	POST MILE				
	QUANTITIES	BY	Kosha Shah	CHECKED			Jerry Marcotte	NOTES, LEGEND & ABBREVIATIONS				
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	UNIT 3616 PROJECT NUMBER & PHASE 07120002961	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
DOES SD Imperial Rev. 1/07					EA 07-1W5101			6/28/12 8/14/12 9/28/12 12/08/14		11:05		

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		45	56

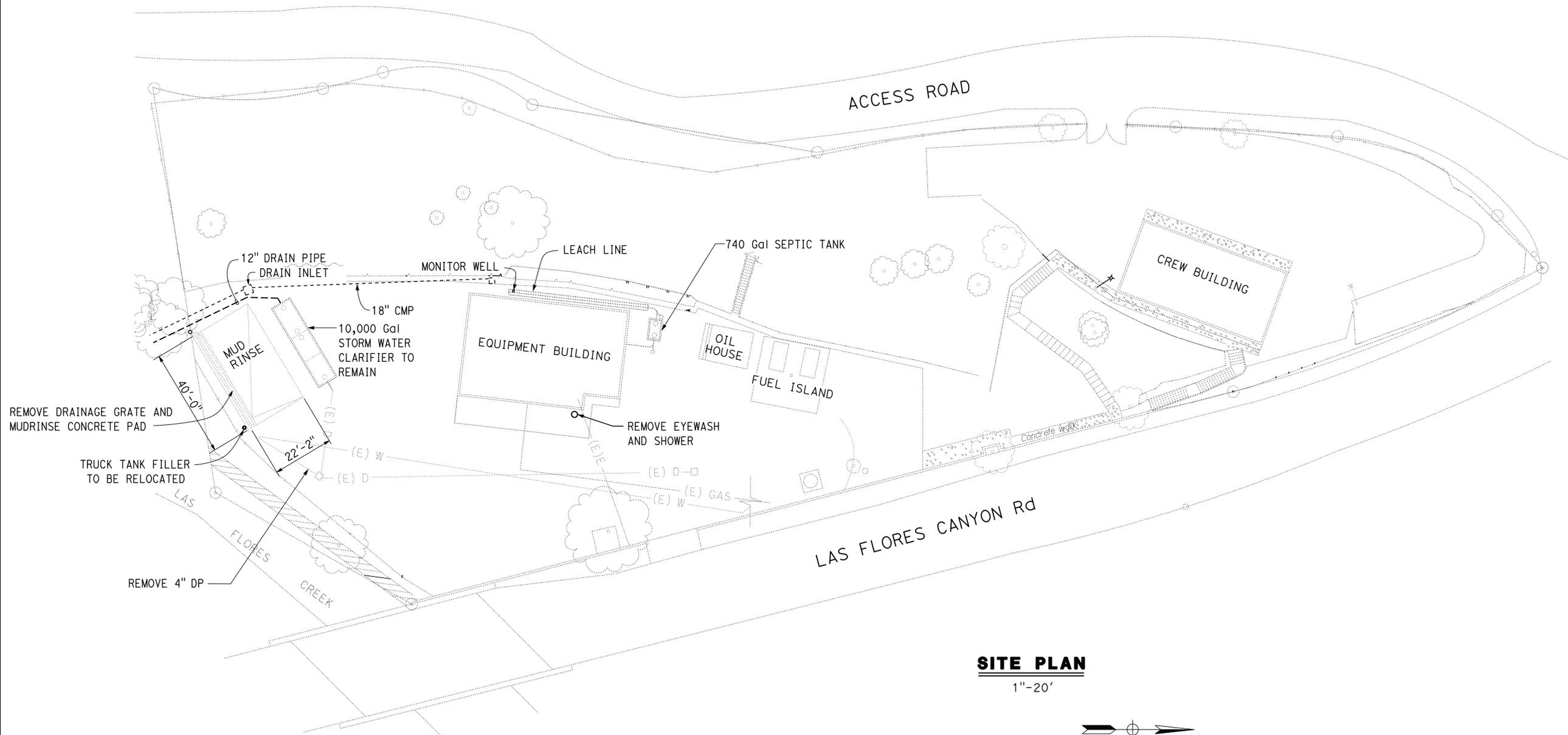
Jerome R. Marcotte 12/08/14
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 Andrew McSORLEY
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SITE PLAN
1"=20'



DOES SD Imperial Rev. 1/07 DESIGN SUPERVISOR <i>Paul Schreff</i> DESIGN ENGINEER <i>Jerome R. Marcotte</i>	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.	5718	LAS FLORES MAINTENANCE STATION WASHRACK EXISTING WASHRACK	SHEET	OF
	DETAILS	BY Koshia Shah	CHECKED Jerry Marcotte			POST MILE			SS-1	
QUANTITIES	BY Koshia Shah	CHECKED Jerry Marcotte				UNIT 3616	PROJECT NUMBER & PHASE 07120002961		DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 6/28/12 8/14/12 9/28/12 12/2/12 2/28/14

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

EA 07-1W5101

ss_1.dgn

10-MAR-2015 11:05

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		46	56

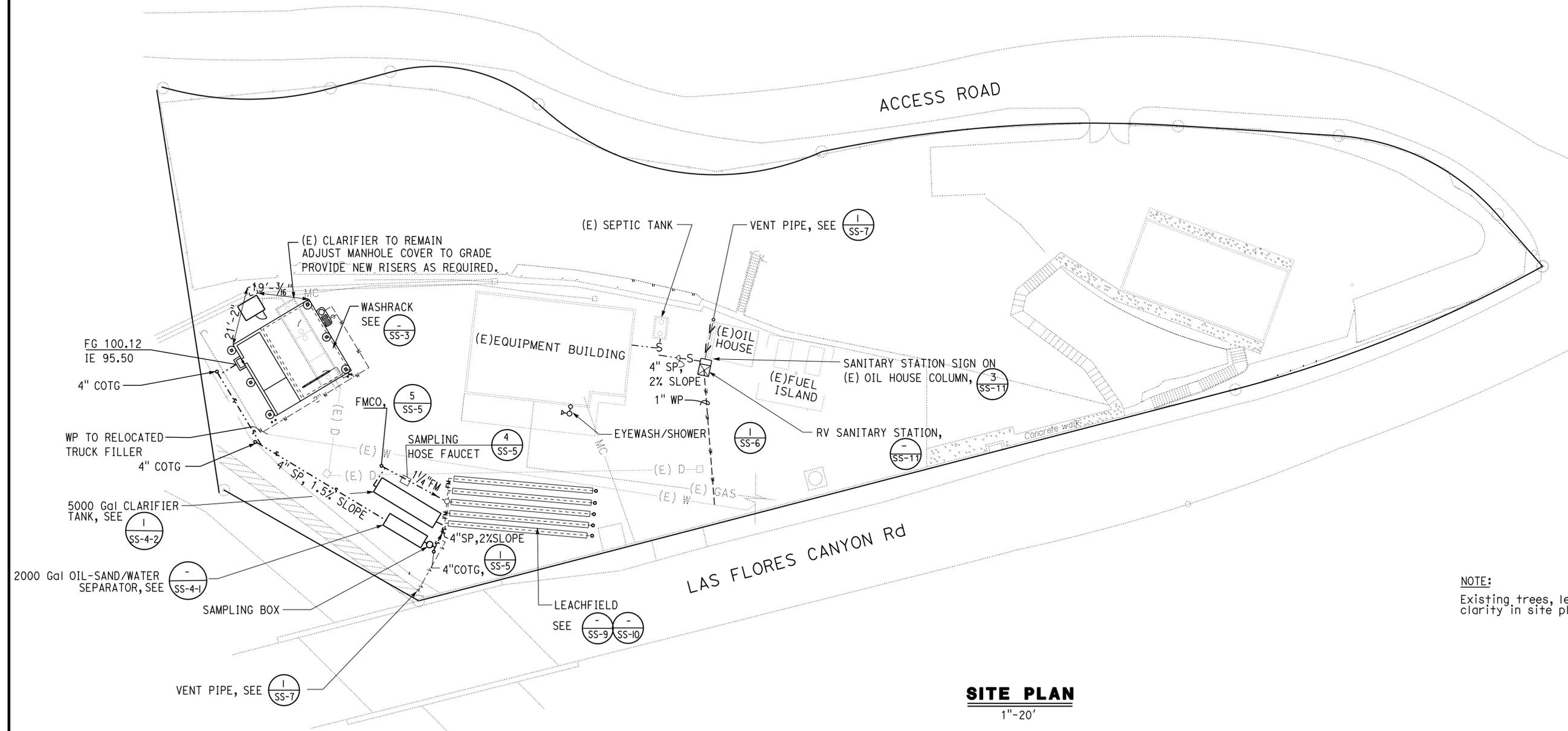
Jerry R. Marcotte 12/08/14
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NOTE:
 Existing trees, leachlines, are not shown for clarity in site plan.

SITE PLAN
 1"=20'

DESIGN BY Koshah Shah CHECKED Jerry Marcotte	DETAILS BY Koshah Shah CHECKED Jerry Marcotte	QUANTITIES BY Koshah Shah CHECKED Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5718	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET SS-2
					POST MILE		MODIFIED WASHRACK
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3				UNIT 3616 PROJECT NUMBER & PHASE 07120002961 EA 07-1W5101	DISREGARD PRINTS BEARING EARLIER REVISION DATES		
DOES SD Imperial Rev. 1/07				REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF
				6/28/12 8/14/12 9/28/12 12/2/12 2/8/14			

10-MAR-2015 11:05
 ss_2.dgn

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		47	56

Jerry R. Marcotte 12/08/14
REGISTERED CIVIL ENGINEER DATE

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

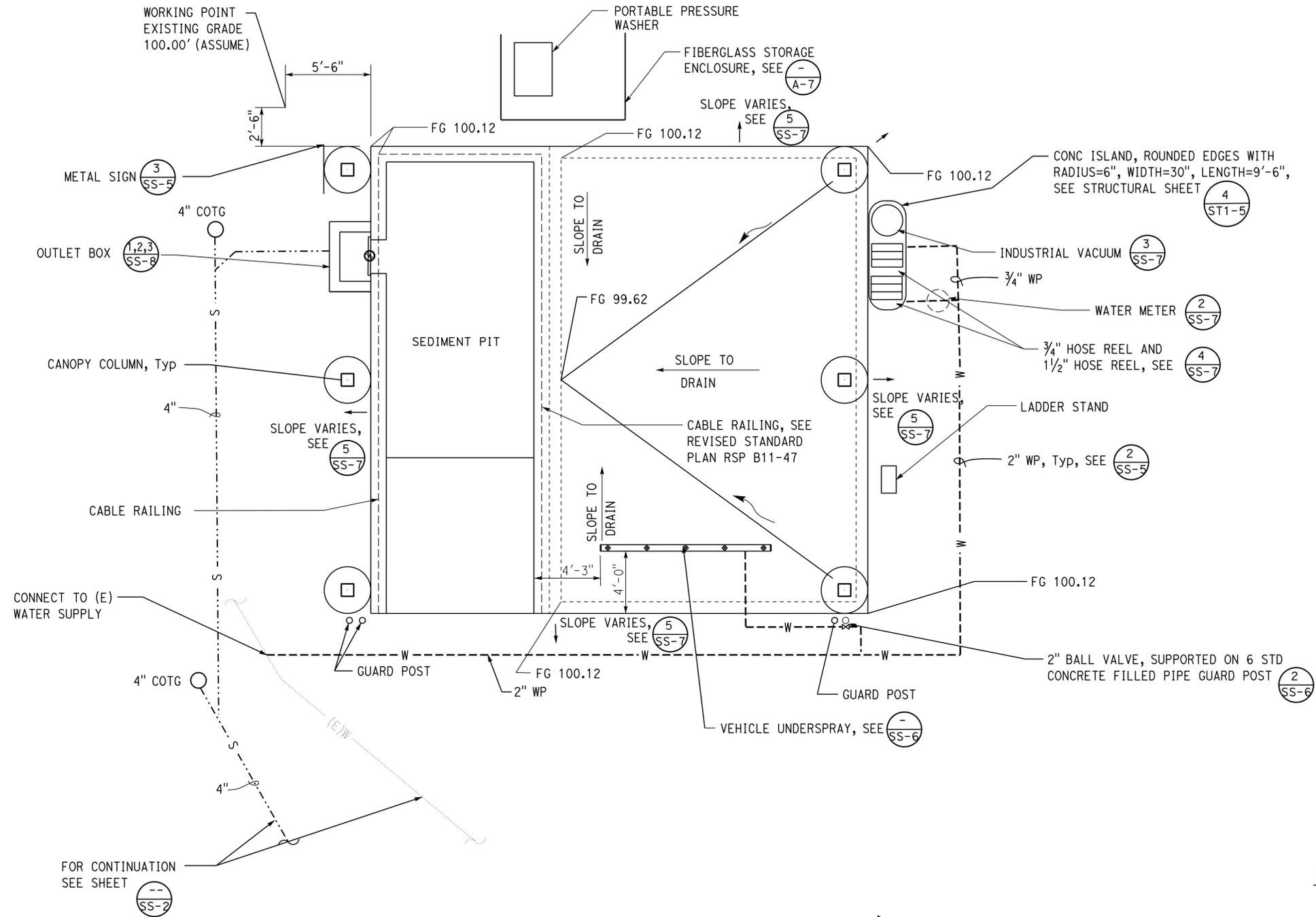
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WASHRACK PLAN
1/4" = 1'-0"

NOTE:
1. Field verify existing clarifier manhole cover elevations, site elevations and existing utilities.

DESIGN BY Koshah Shah CHECKED Jerry Marcotte	DETAILS BY Koshah Shah CHECKED Jerry Marcotte	QUANTITIES BY Koshah Shah CHECKED Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5718	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET SS-3
					POST MILE		WASHRACK DETAILS
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	UNIT 3616 PROJECT NUMBER & PHASE 07120002961	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)
DOES SD Imperial Rev. 1/07				EA 07-1W5101	6/29/12 8/1/12 9/28/12 12/2/12 2/20/14		11:05

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		48	56

Jerome R. Marcotte 12/08/14
 REGISTERED CIVIL ENGINEER DATE

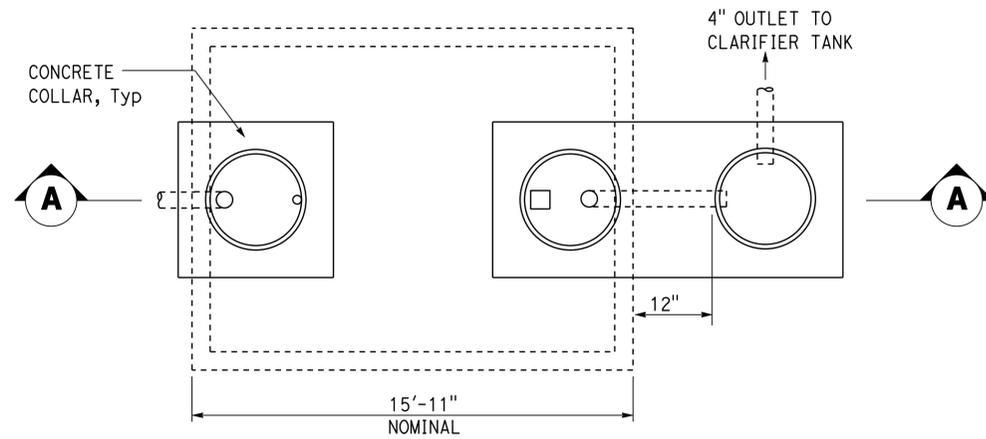
REGISTERED PROFESSIONAL ENGINEER
 J. Marcotte
 No. C36844
 Exp. 06-30-16
 CIVIL
 STATE OF CALIFORNIA

3-16-15
 PLANS APPROVAL DATE

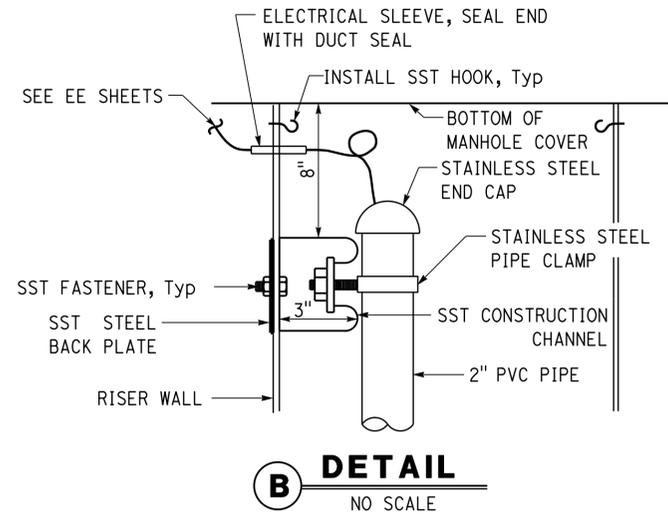
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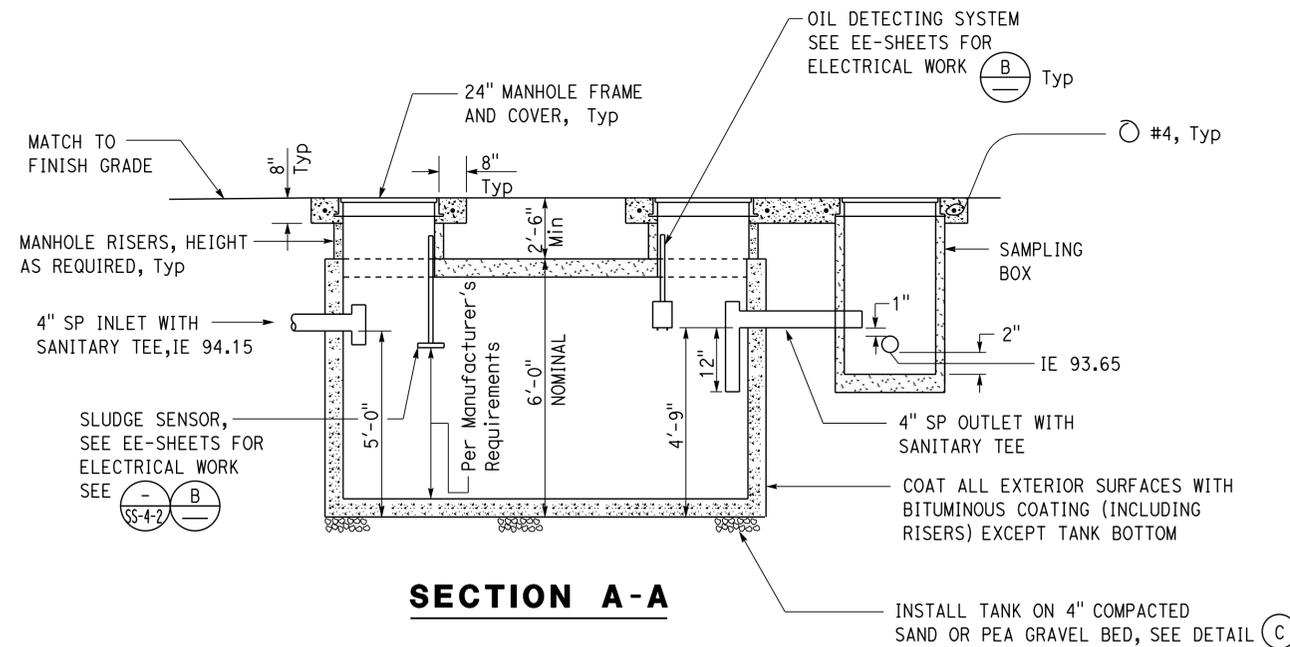
PLAN



DETAIL
NO SCALE

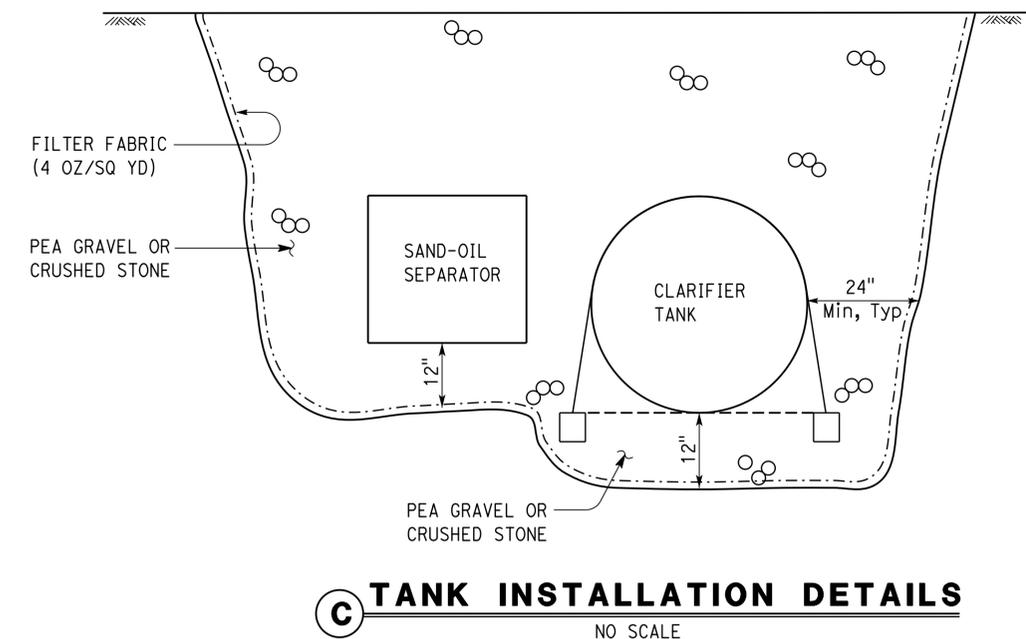
GENERAL NOTES:

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



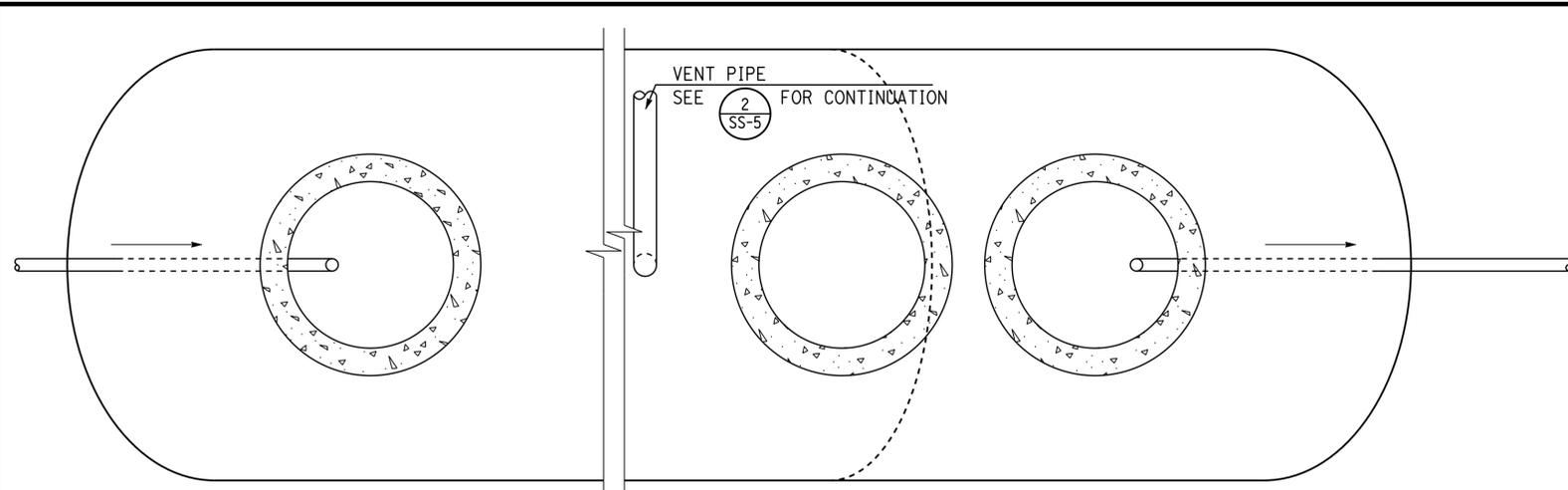
SECTION A-A

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



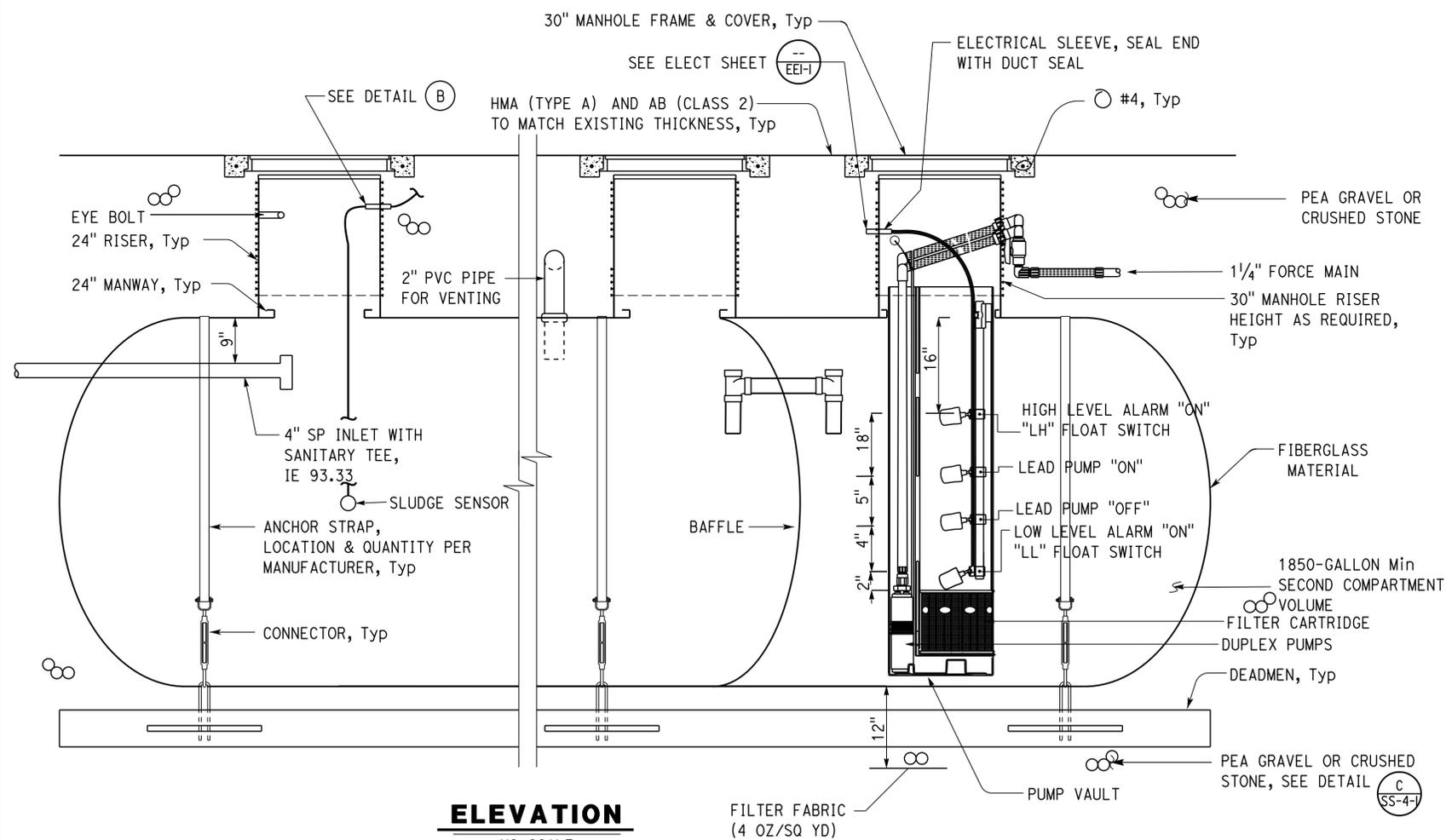
TANK INSTALLATION DETAILS
NO SCALE

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. 5718 POST MILE	LAS FLORES MAINTENANCE STATION WASHRACK	OIL-SAND/WATER SEPARATOR	SHEET SS-4-1				
	DETAILS	BY	Kosha Shah	CHECKED							Jerry Marcotte			
QUANTITIES	BY	Kosha Shah	CHECKED	Jerry Marcotte	UNIT	3616	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF				
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	6/28/12	8/14/12	9/28/12	12/2/08/14		
DOES SD Imperial Rev. 1/07					PROJECT NUMBER & PHASE 07120002961		EA 07-1W5101		9/28/12			12/2/08/14		ss_4_1.dgn



PLAN

NO SCALE



ELEVATION

NO SCALE

2 5,000 GALLON CLARIFIER TANK

NO SCALE

NOTES:

TANK DIAMETER	NOMINAL CAPACITY (GALLONS)	NOMINAL LENGTH	NOMINAL WEIGHT (Lbs)
6'	5,000	25'	2,000

EQUIPMENT	HP	VOLTS	DISCHARGE SIZE	PUMPING RATE	TOTAL DYNAMIC HEAD (FT)
PUMP	1/3	115	1.5"	4.8 GPM	12.4

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		49	56

Jerome R. Marcotte 12/08/14
 REGISTERED CIVIL ENGINEER DATE
 J. Marcotte
 No. C36844
 Exp. 06-30-16
 CIVIL
 STATE OF CALIFORNIA

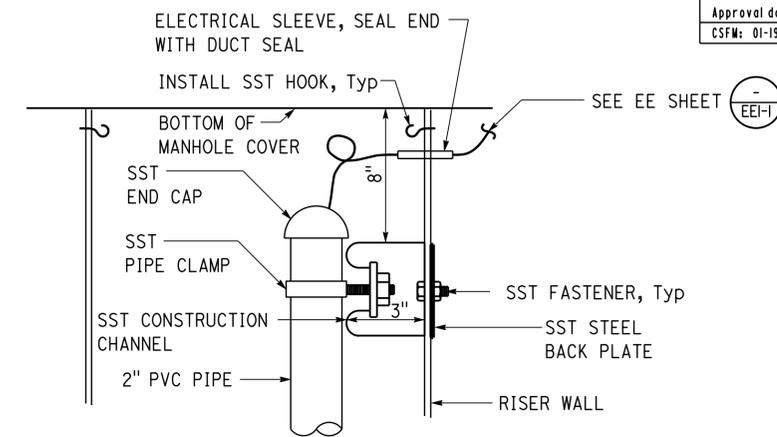
3-16-15
PLANS APPROVAL DATE

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CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: *Andrew McSorley*
 ANDREW MCSORLEY
 Approval date: 3-2-2015
 CSFM: 01-19-11-0164-007



B SLUDGE SENSOR DETAIL

NO SCALE

GENERAL NOTES:

- (A) Anchor straps, connectors, and deadmen to be approved by tank manufacturer for use with tank.
- (B) Insert oil-absorbing pillows inside tank next to the outlet pipe. Attach string to pillows and hook the string to eyebolt on riser.
- (C) Verify location of underground conduits before commencing excavation. Relocate conduits as necessary for proper installation of tanks.

THIS DRAWING ACCURATE FOR SEWER WORK ONLY

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. 5718	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET SS-4-2
			POST MILE		CLARIFIER TANK
DETAILS BY Koshia Shah CHECKED Jerry Marcotte	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT 3616 PROJECT NUMBER & PHASE 07120002961	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY Koshia Shah CHECKED Jerry Marcotte	0 1 2 3	EA 07-1W5101	6/28/12 8/7/12 9/28/12 12/2/12 2/8/14		

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		50	56

Jerome R. Marcotte 12/08/14
 REGISTERED CIVIL ENGINEER DATE

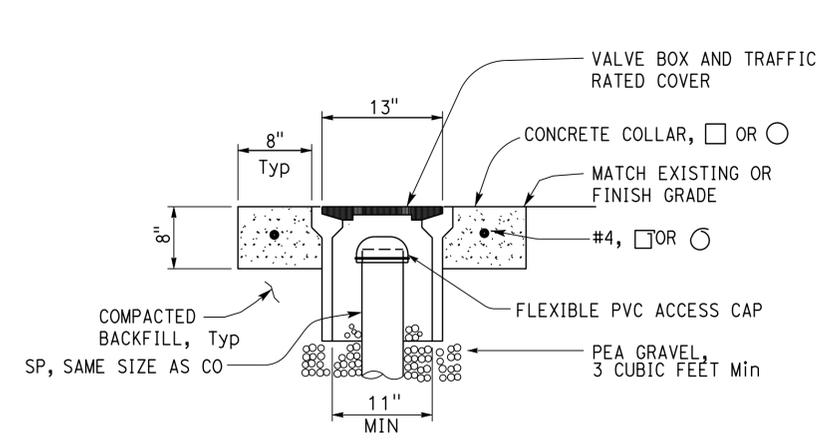
3-16-15
 PLANS APPROVAL DATE

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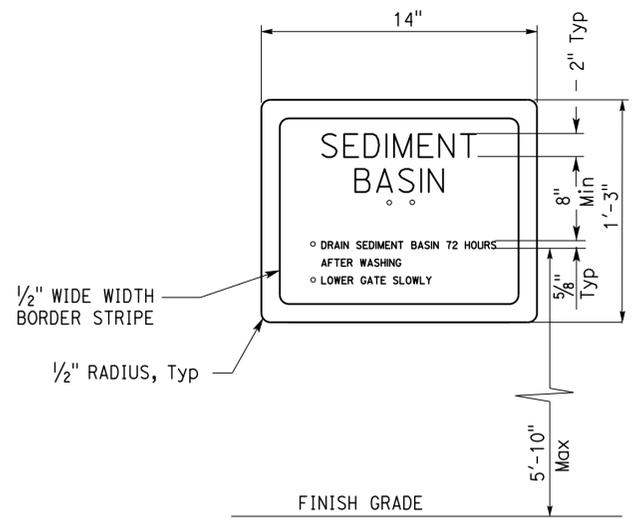


CALIFORNIA STATE FIRE MARSHAL APPROVED
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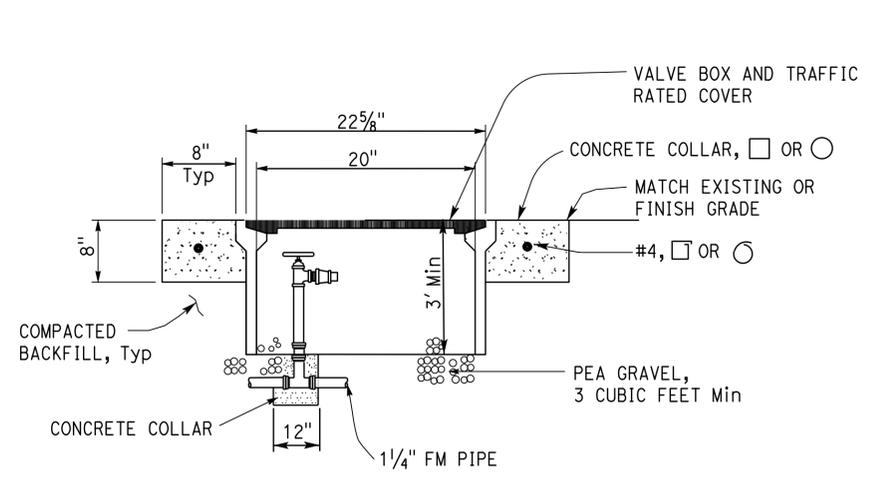
Reviewed by: *Andrew McSorley*
 ANDREW MCSORLEY
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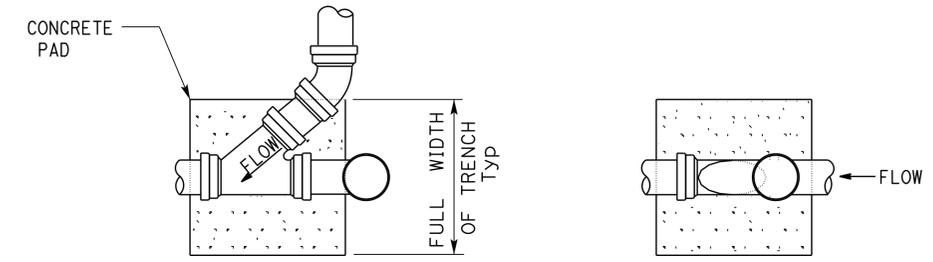
A COTG ACCESS BOX
NO SCALE



3 METAL SIGN
NO SCALE

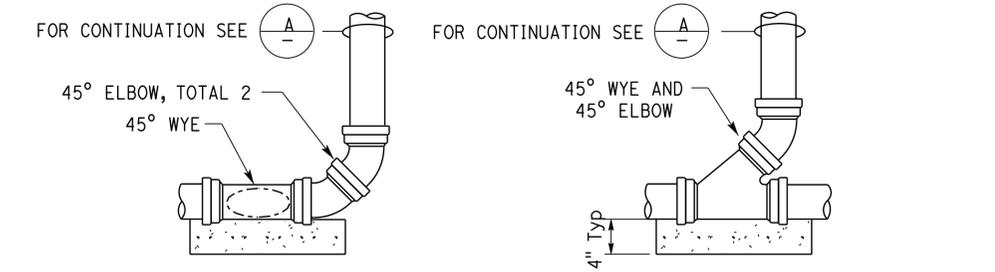


4 SAMPLING HOSE FAUCET
NO SCALE



PLAN

PLAN

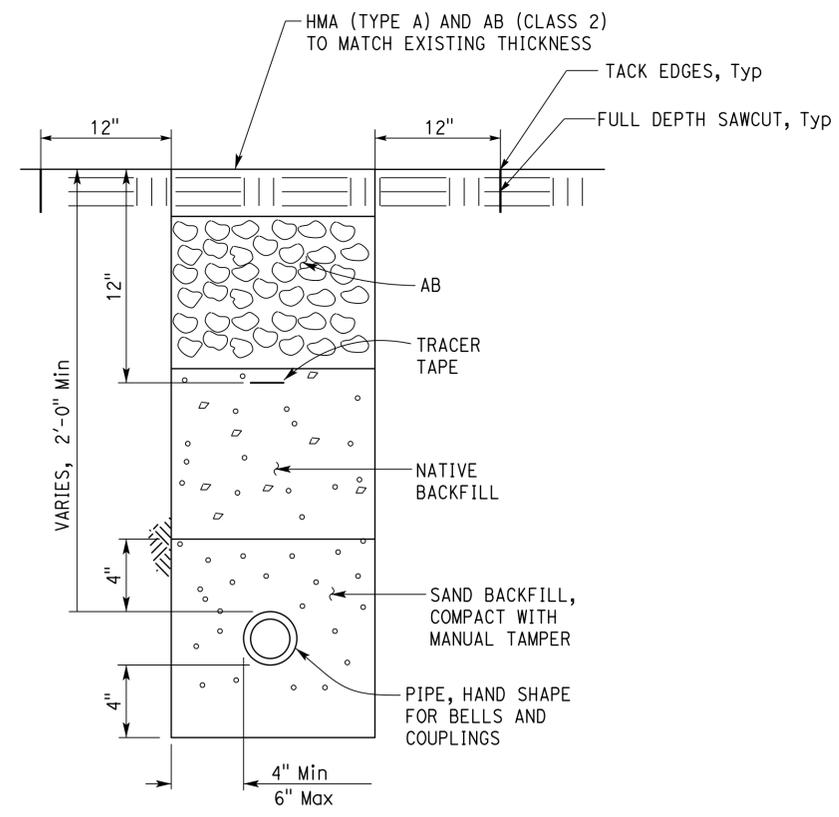


ELEVATION

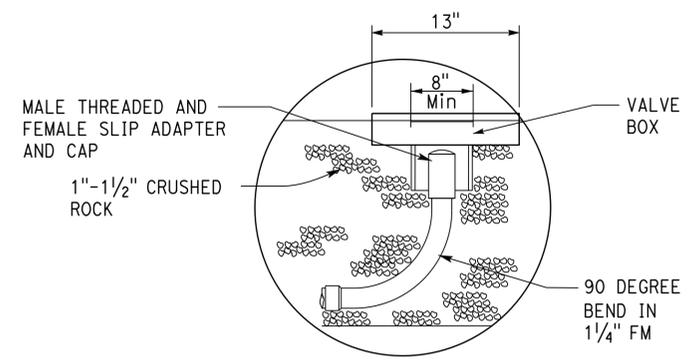
ELEVATION

CLEANOUT (AT BEND) CLEANOUT (STANDARD)

1 CLEANOUT TO GRADE
NO SCALE



2 DRAIN/SEWER/WATER/VENT PIPE
NO SCALE



5 FORCE MAIN CLEANOUT (FMCO)
NO SCALE

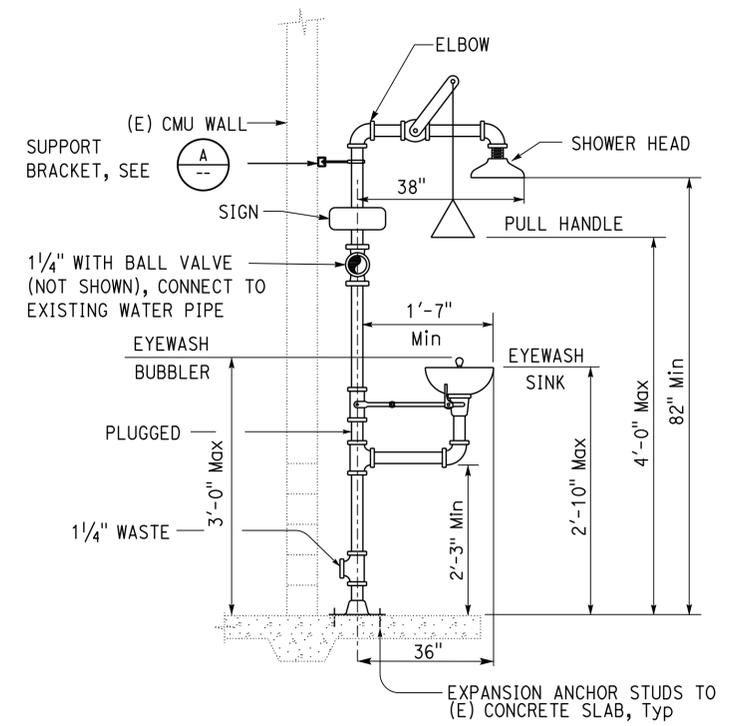
SIGN NOTES:

- (A) All letters must be bright white on brown background.
- (B) Lettering and background must be Type II Reflective Sheeting. Sign must be finished with protective film overlay.
- (C) Attach sign to vent pipe on (E) column.

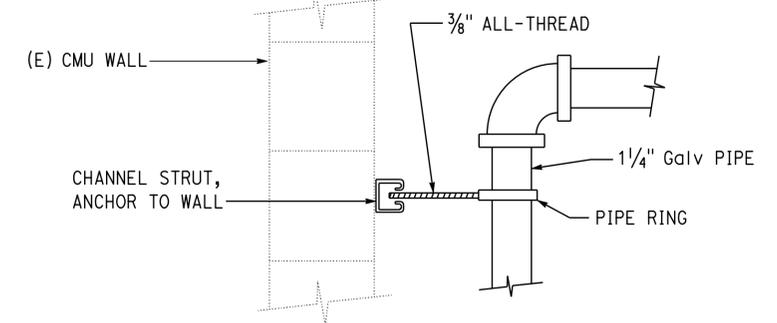
DOES SD Imperial Rev. 1/07	DESIGN	BY Koshia Shah	CHECKED Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 5718	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET 55-5
	DETAILS	BY Koshia Shah	CHECKED Jerry Marcotte		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		
QUANTITIES	BY Koshia Shah	CHECKED Jerry Marcotte	PROJECT NUMBER & PHASE 07120002961		UNIT 3616	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

10-MAR-2015 11:05

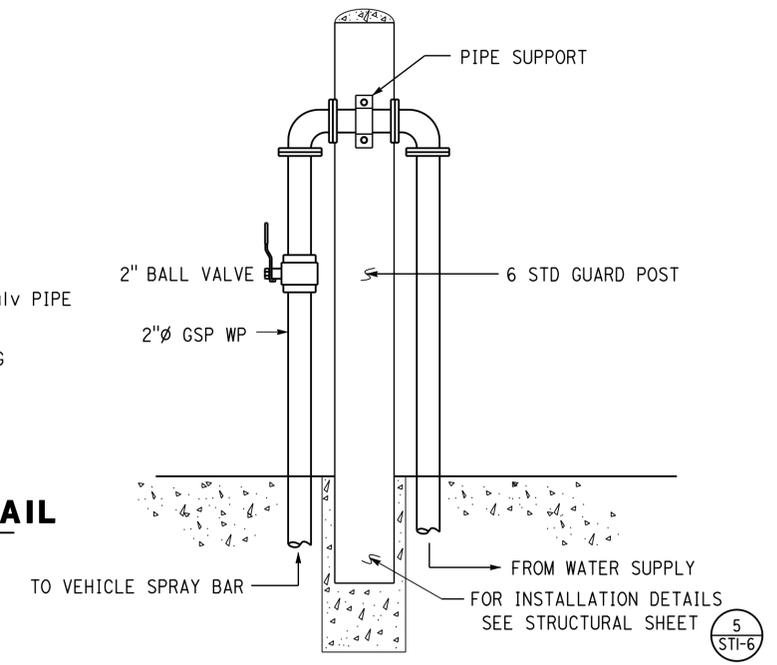
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		51	56
<i>Jerome R. Marcotte</i> 12/08/14 REGISTERED CIVIL ENGINEER DATE			REGISTERED PROFESSIONAL ENGINEER J. Marcotte No. C36844 Exp. 06-30-16 CIVIL STATE OF CALIFORNIA		
3-16-15 PLANS APPROVAL DATE					
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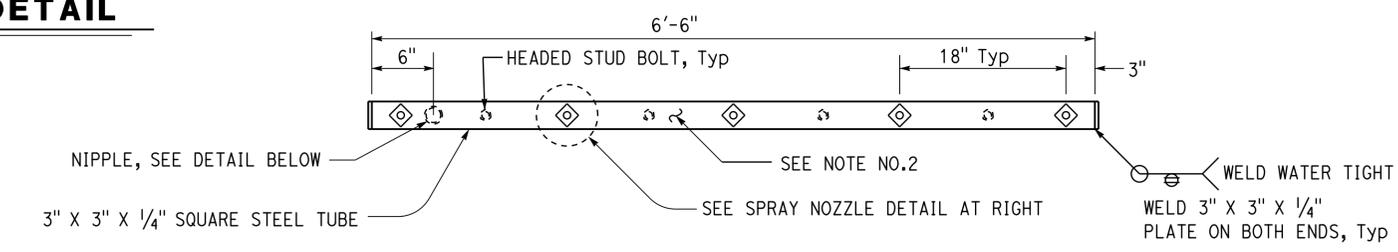
1 EMERGENCY EYEWASH AND SHOWER DETAIL
NO SCALE



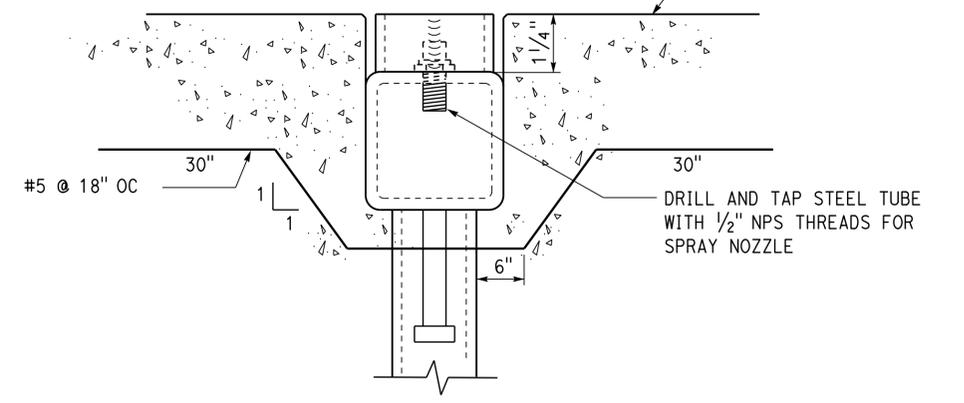
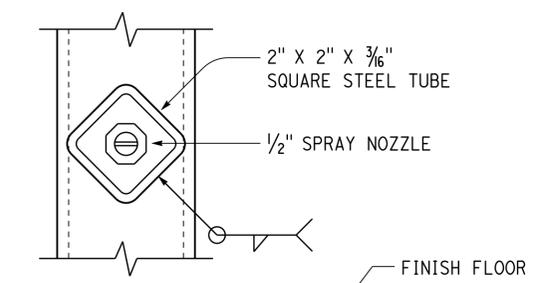
A SUPPORT BRACKET DETAIL
NO SCALE



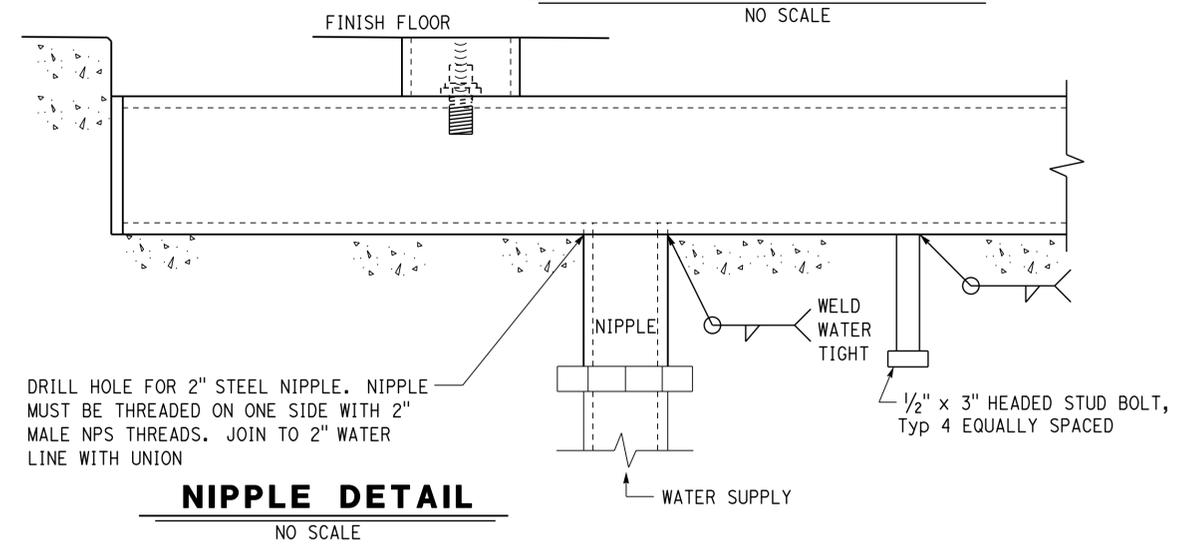
2 BALL VALVE INSTALLATION DETAIL
NO SCALE



VEHICLE SPRAY BAR
NO SCALE



SPRAY NOZZLE DETAIL
NO SCALE



NIPPLE DETAIL
NO SCALE

3 VEHICLE SPRAY BAR DETAIL
NO SCALE

- GENERAL NOTE:
- All steel parts must be galvanized.
 - No concrete to be placed on top of square steel tube.

DESIGN BY Kосha Shah CHECKED Jerry Marcotte	DETAILS BY Kосha Shah CHECKED Jerry Marcotte	QUANTITIES BY Kосha Shah CHECKED Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5718	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET SS-6
					POST MILE		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3				UNIT 3616 PROJECT NUMBER & PHASE 07120002961	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
DOES SD Imperial Rev. 1/07				EA 07-1W5101	6/28/12 8/7/12 9/28/12 12/08/14		OF

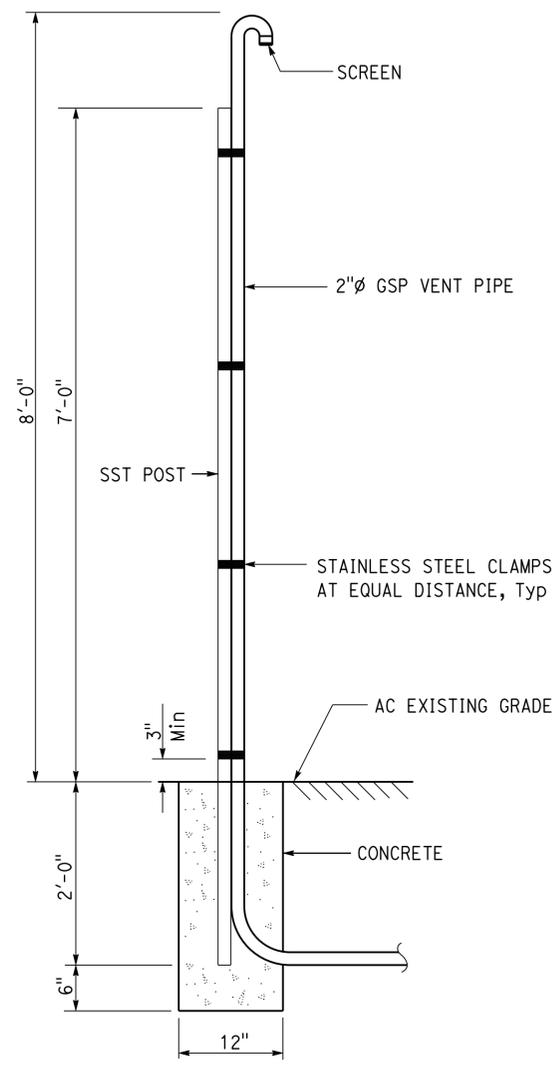
10-MAR-2015 11:05
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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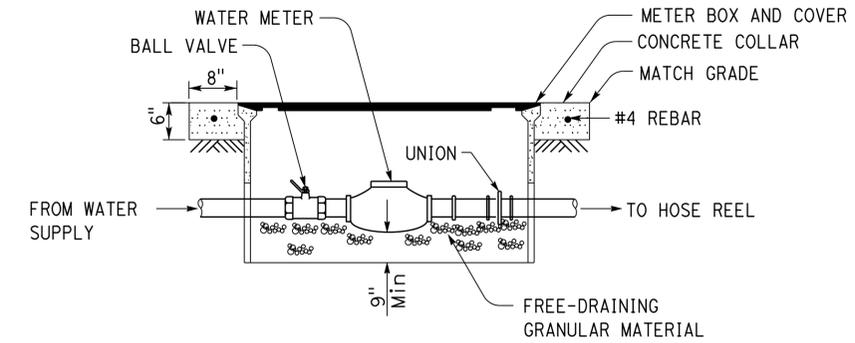
<i>Jerry R. Marcotte</i>	12/08/14	REGISTERED CIVIL ENGINEER	DATE

3-16-15
PLANS APPROVAL DATE

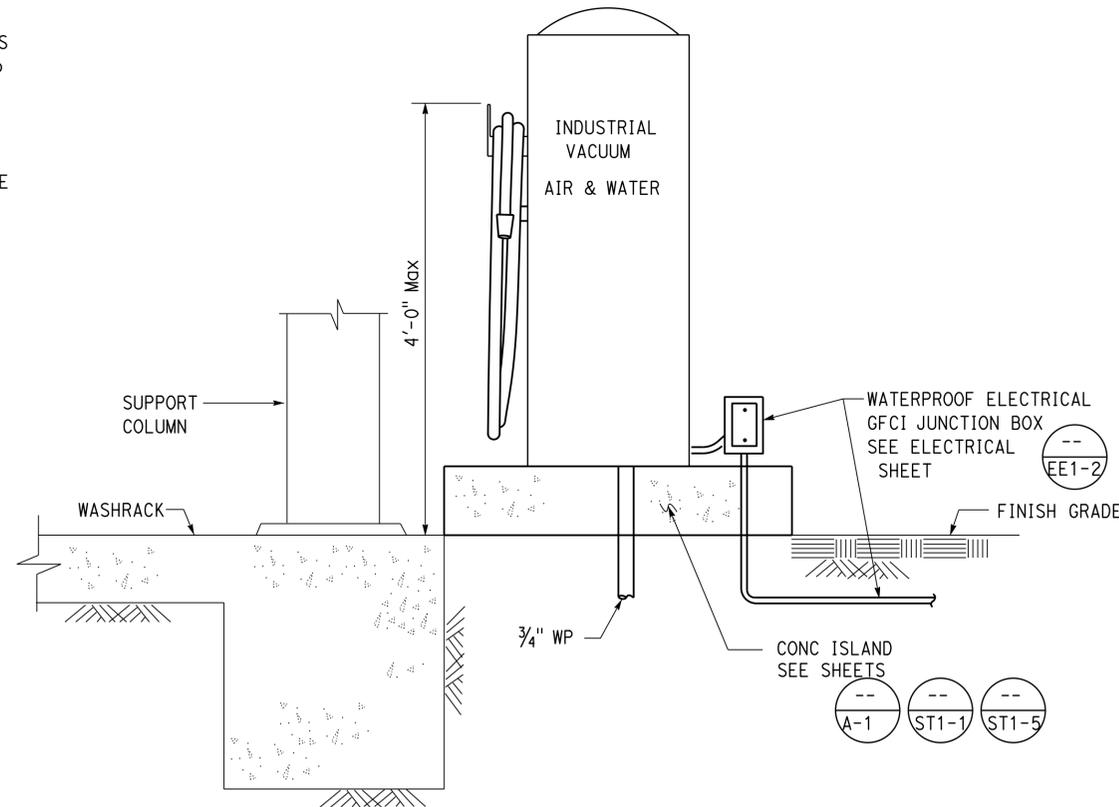
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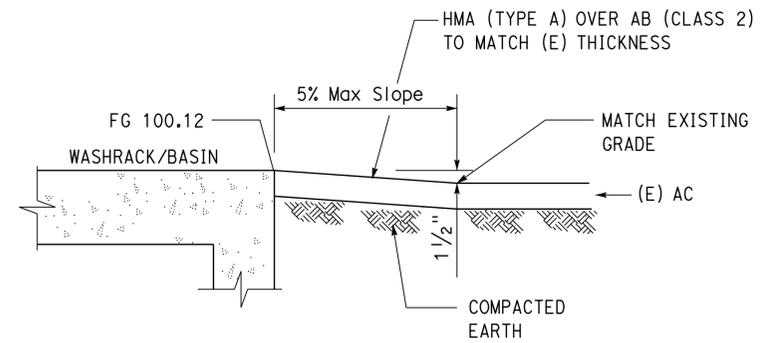
1 METAL POST AND VENT PIPE ATTACHMENT
NO SCALE



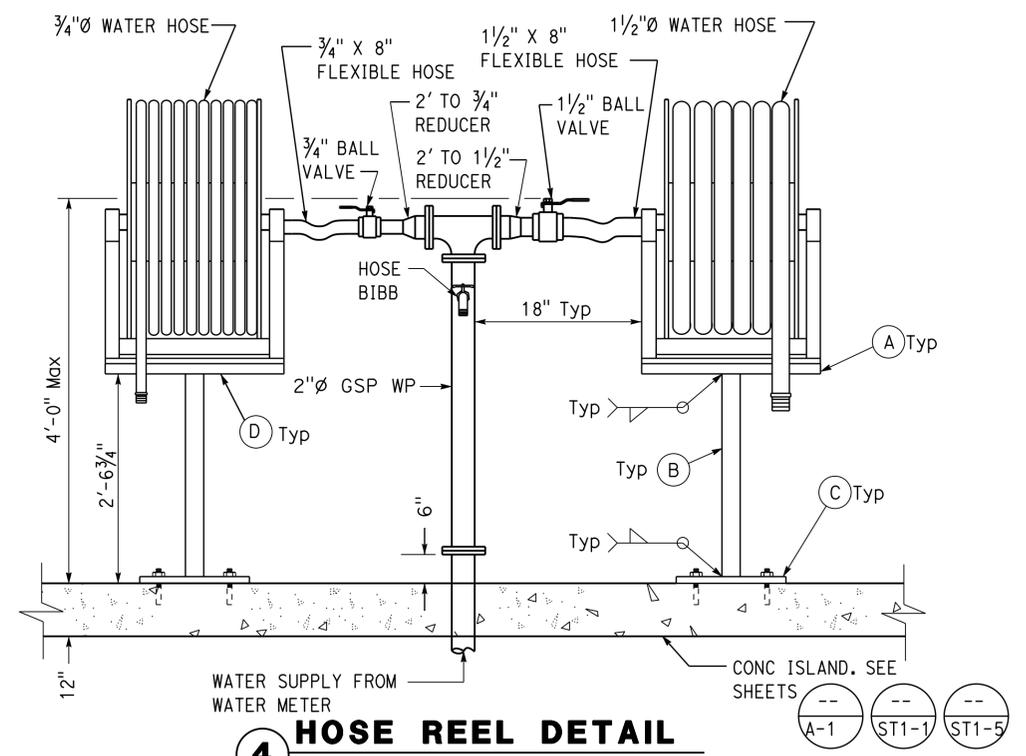
2 WATER METER
NO SCALE
NOTE: Min 9" clearance on all sides



3 VACUUM FOUNDATION DETAIL
NO SCALE



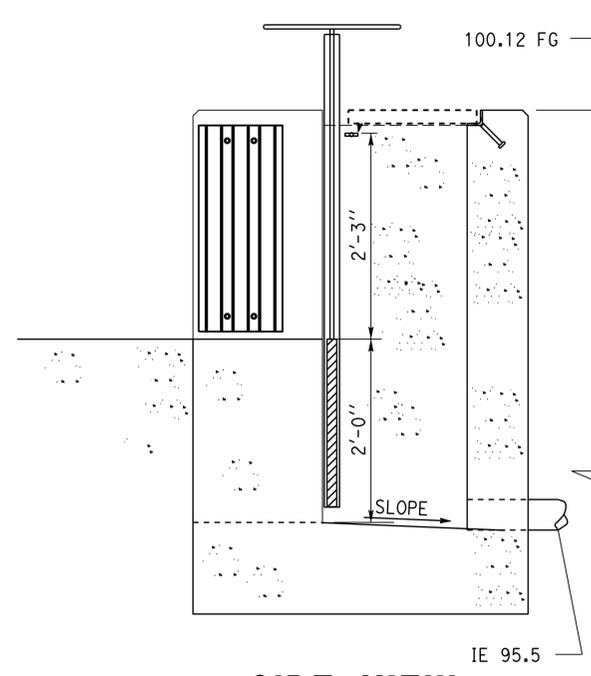
5 OUTSIDE SLOPE FOR WASHRACK & SEDIMENT PIT
NO SCALE



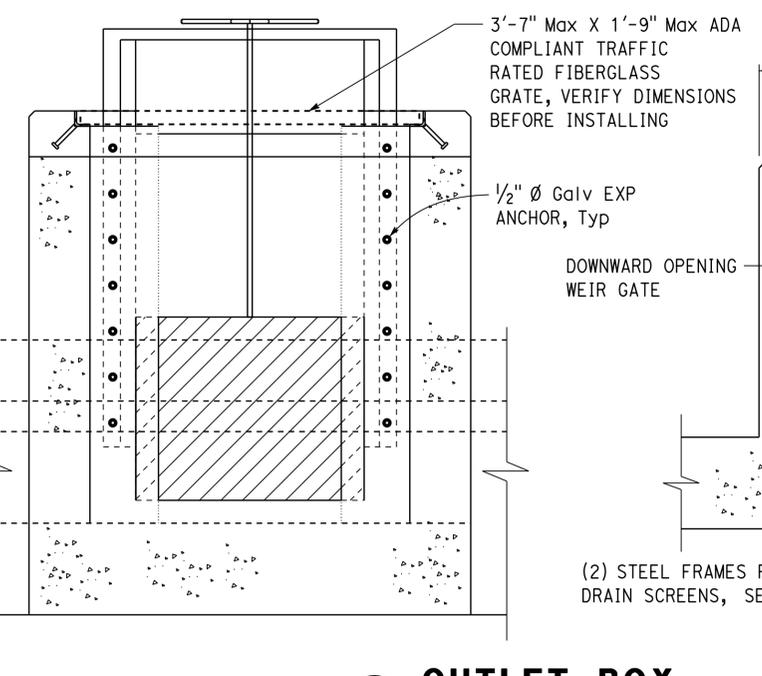
4 HOSE REEL DETAIL
NO SCALE

- 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 (E) equipment BLDG.
 - (D) 1'-9" x 2'-2" x 3/8" steel plate.

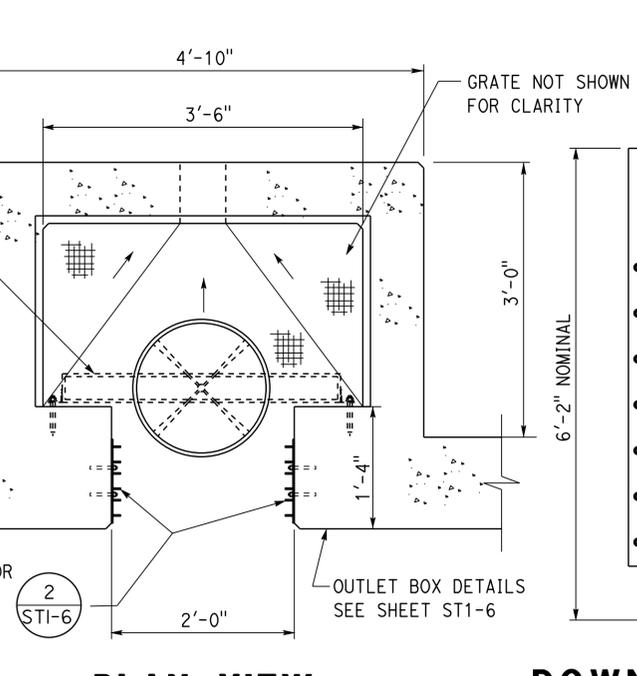
DESIGN	BY	Kosha Shah	CHECKED	Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 5718 POST MILE	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET SS-7
	DETAILS	BY	Kosha Shah	CHECKED					
QUANTITIES	BY	Kosha Shah	CHECKED	Jerry Marcotte	UNIT	3616	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	OF
DOES SD Imperial Rev. 1/07					PROJECT NUMBER & PHASE 07120002961		EA 07-1W5101		9/28/12 8/14/12 9/28/12 12/2/08/14



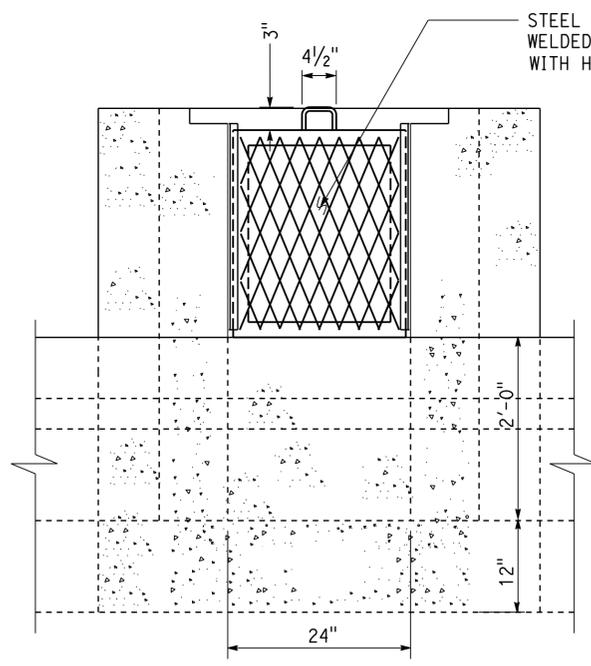
SIDE VIEW



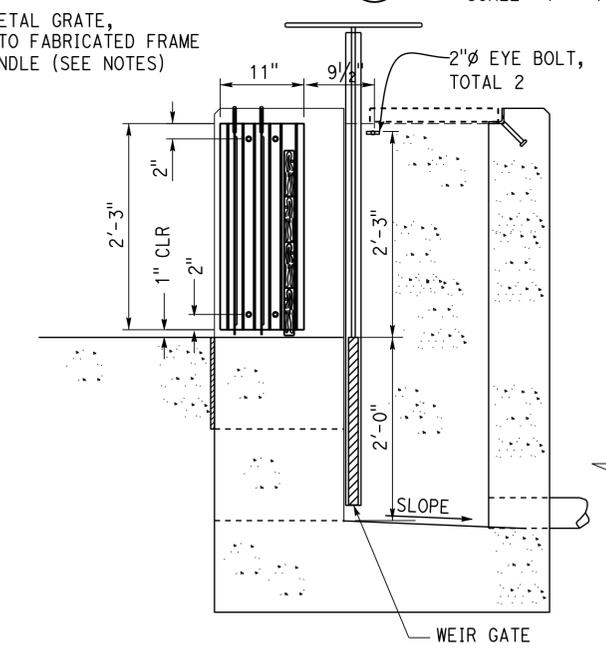
1 **OUTLET BOX**
SCALE: 1" = 1'-0"



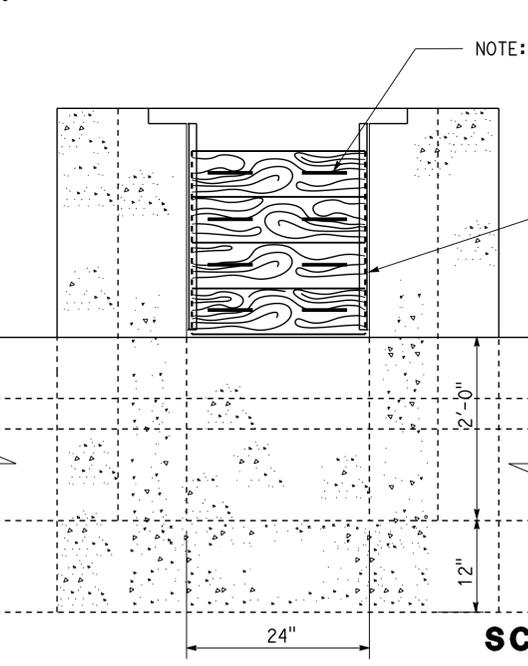
3 **DOWNWARD OPENING WEIR GATE**



FRONT VIEW
FIRST SLOT & SECOND SLOT



SIDE VIEW

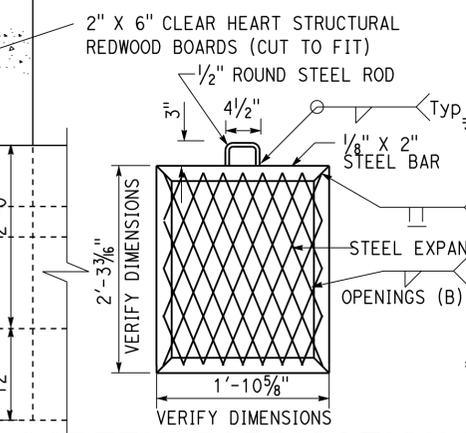


FRONT VIEW
THIRD SLOT

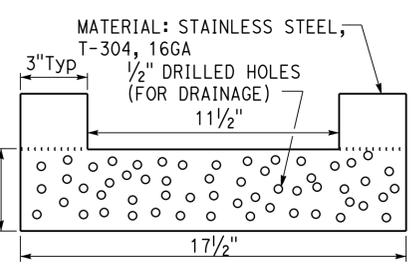
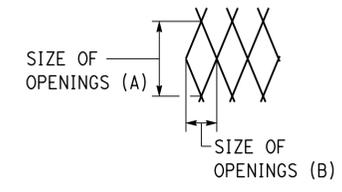
- NOTES:
- For First Slot, Style 1/2" #13 Expanded Metal, size of openings to be: (A) = 2 1/2" X (B) = 1 3/16".
 - For Second Slot, Style 3/4" #13 Expanded Metal, size of openings to be: (A) = 1 1/16" X (B) = 3/4".
 - See Screen Fabrication Detail.
 - Check dimension on screen bracket openings before fabricating screens, adjust size for 1/4" clearance each side if needed.

2 **DRAIN SCREEN FILTER**
SCALE: 1" = 1'-0"

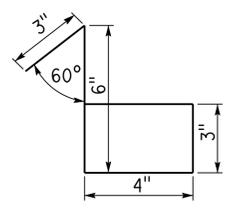
NOTE: SST HANDLE (2) PER BOARD (8 Total) HANDLES ARE TO CLEAR SCREENS. 2 (Total) CHERNE COVER HOOKS WITH 90° HANDLES 36" LONG TO BE PROVIDED



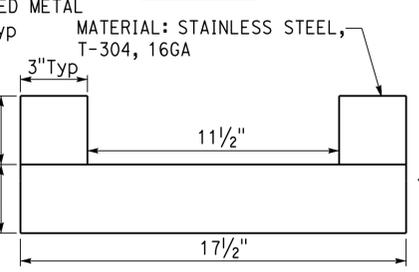
SCREEN FABRICATION DETAIL
(Typ) FOR FIRST AND SECOND SCREENS (SEE NOTES FOR OPENING SIZES)



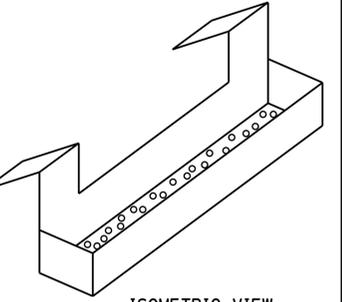
PLAN VIEW



SIDE VIEW



FRONT VIEW



ISOMETRIC VIEW

A **CHITOSAN FLOCCULANT TRAY**
NO SCALE

NOTE:

- BEND IN PLACE ALL ANGLES.
- DEBURR ALL EDGES AFTER FABRICATION.
- PLACE CHITOSAN-FILLED SOCK INTO TRAY.

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		54	56

Jerry R. Marcotte 12/08/14
REGISTERED CIVIL ENGINEER DATE

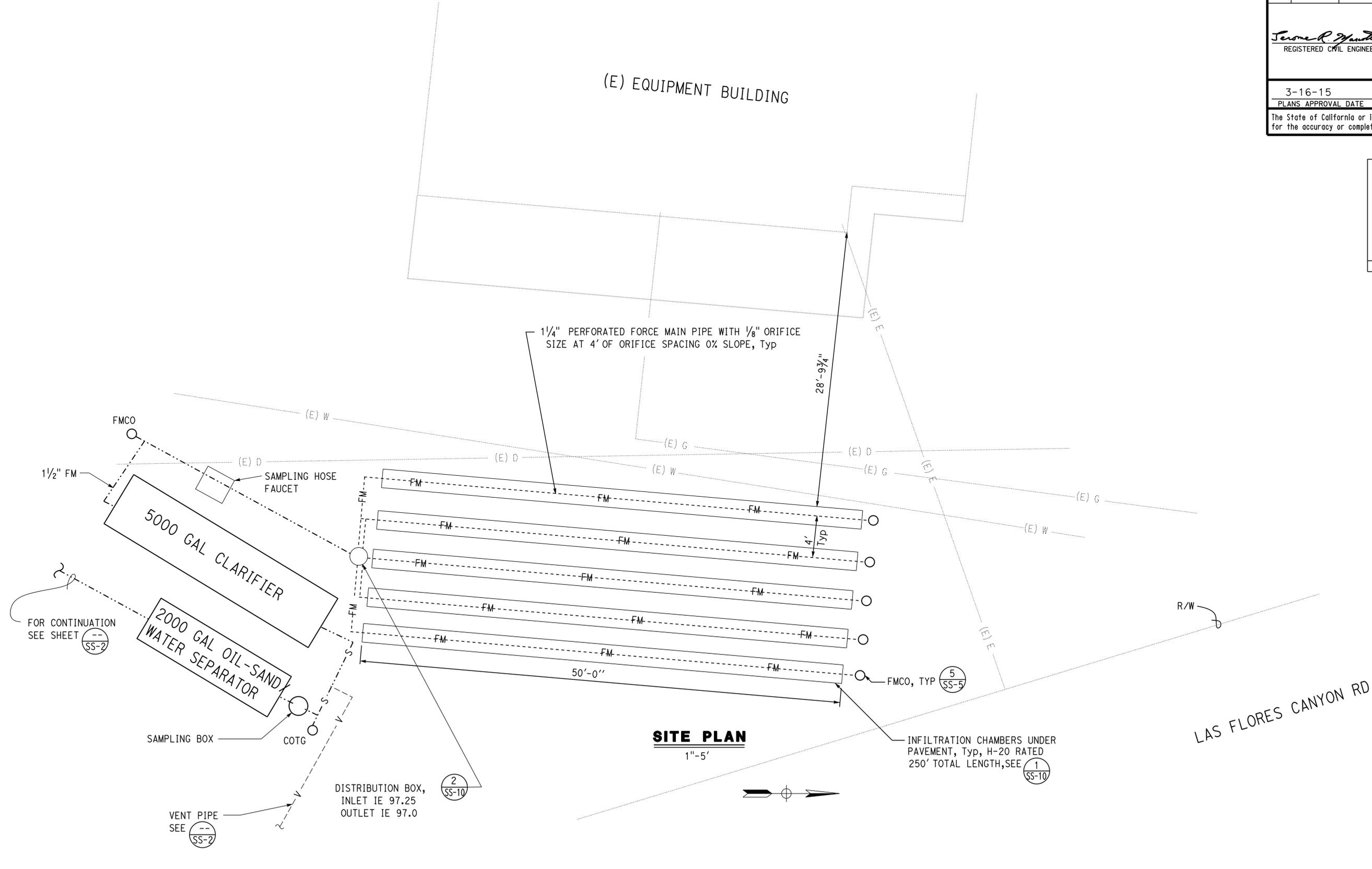
3-16-15
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ANDREW MCSORLEY
Approval date: 3-2-2015
CSFM: 01-19-11-0164-007



DESIGN	BY Koshah Shah	CHECKED Jerry Marcotte
DETAILS	BY Koshah Shah	CHECKED Jerry Marcotte
QUANTITIES	BY Koshah Shah	CHECKED Jerry Marcotte

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO.	5718	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET SS-9
POST MILE			
LEACHFIELD DETAILS			

DOES SD Imperial Rev. 1/07

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT 3616
PROJECT NUMBER & PHASE 07120002961
EA 07-1W5101

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
	6/28/12 8/14/12 9/28/12 12/7/12 12/08/14	

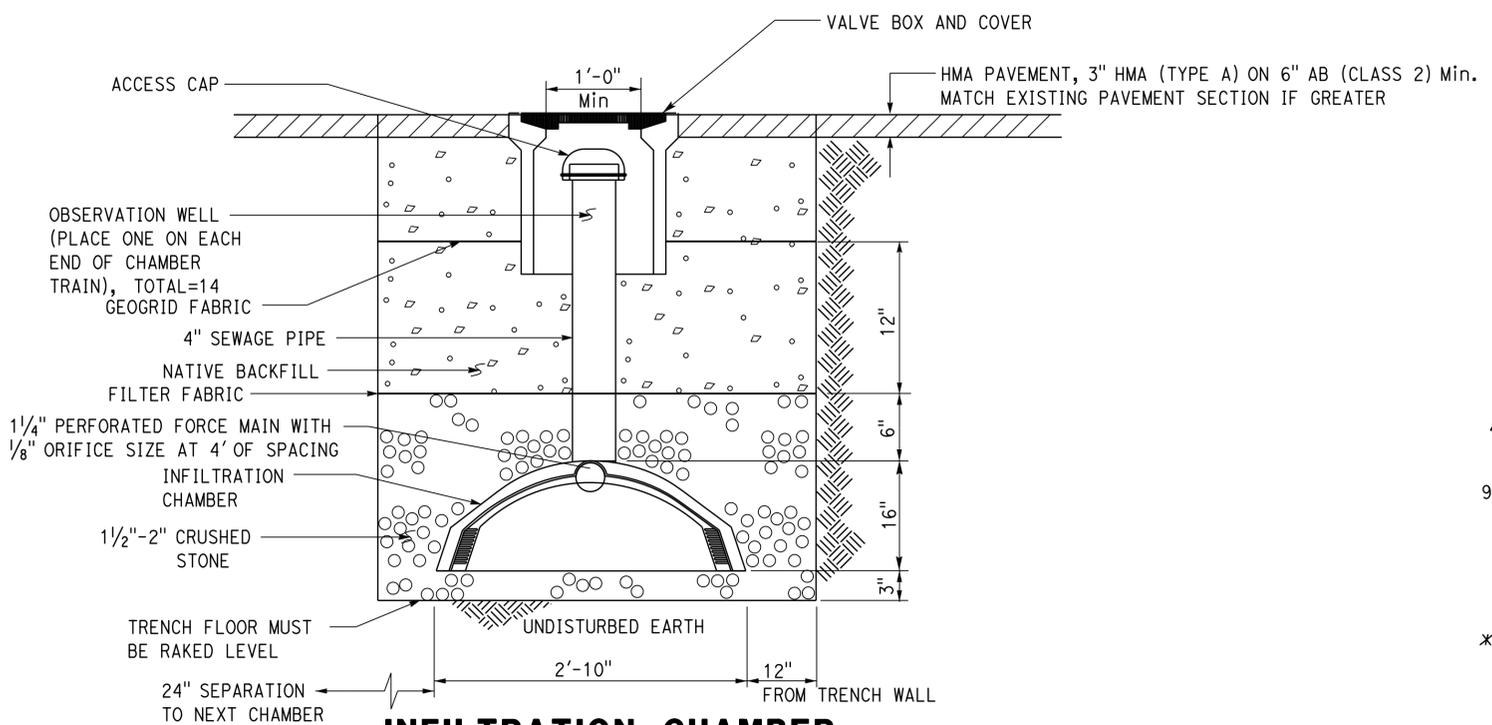
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		55	56

Jerome R. Marcotte 12/08/14
 REGISTERED CIVIL ENGINEER DATE

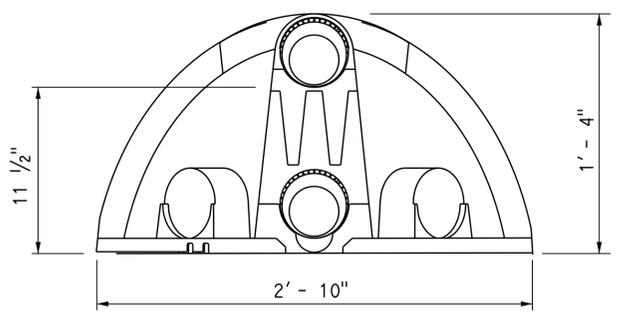
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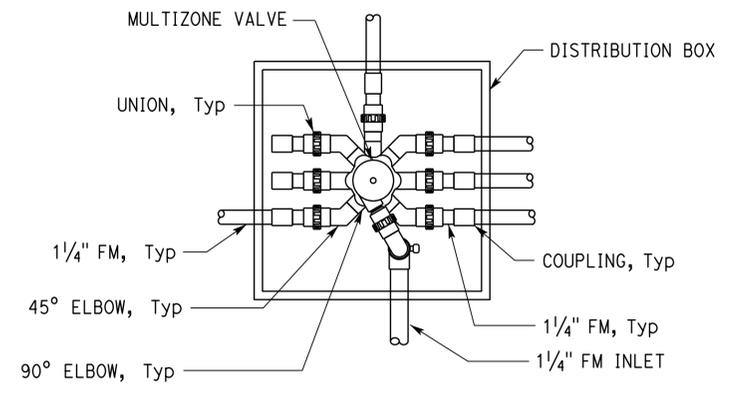


1 INFILTRATION CHAMBER WITH OBSERVATION WELL *

* NOTE:
Extend geogrid fabric 5' Min past excavation for chambers



END CAP
NO SCALE



2 DISTRIBUTION BOX DETAIL *
NO SCALE

* NOTE:
Configuration of automatic multizone valve may vary by manufacturer. Distribution valve in leachfield will have 6 outlet zones. Distribution valve in leachfield will have 5 active outlets and 1 capped outlet for future use.

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QUANTITIES	BY Koshah Shah	CHECKED Jerry Marcotte

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO.	5718
POST MILE	

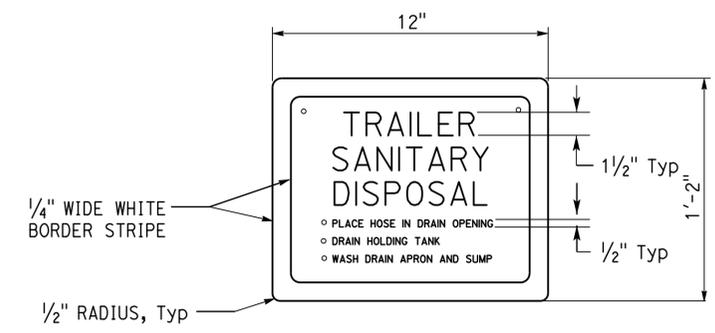
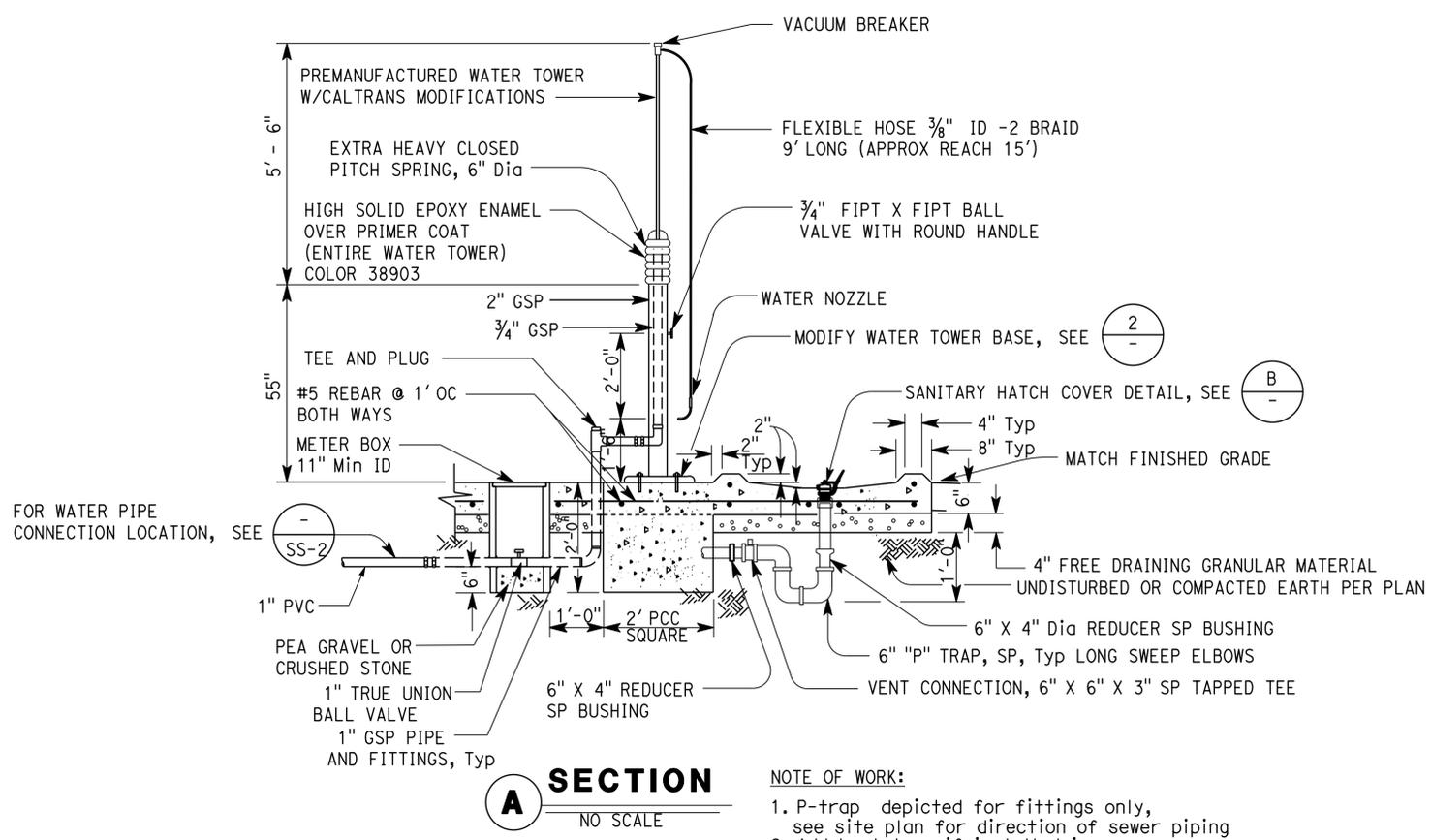
LAS FLORES MAINTENANCE STATION WASHRACK
 LEACHFIELD DETAILS

SHEET **SS-10** OF

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5718		56	56

<i>Jerry R. Marcotte</i>	12/08/14	REGISTERED CIVIL ENGINEER	DATE
3-16-15			
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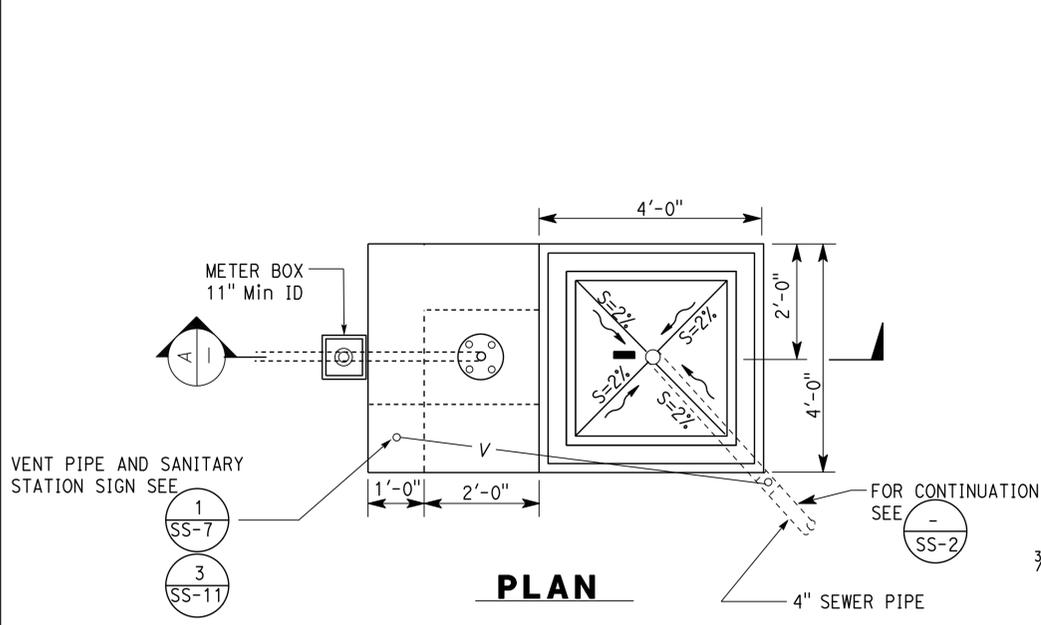
3 SANITARY STATION SIGN
NO SCALE

- NOTES:
- All letters must be bright white on brown background except the word "RV SANITARY WASTE ONLY" must be red.
 - Signs must be galvanized sheet steel 16 gauge, with baked enamel finish and galvanized steel mounting plate and fastening hardware.
 - Attach to nearest column facing RV Sanitary Station.

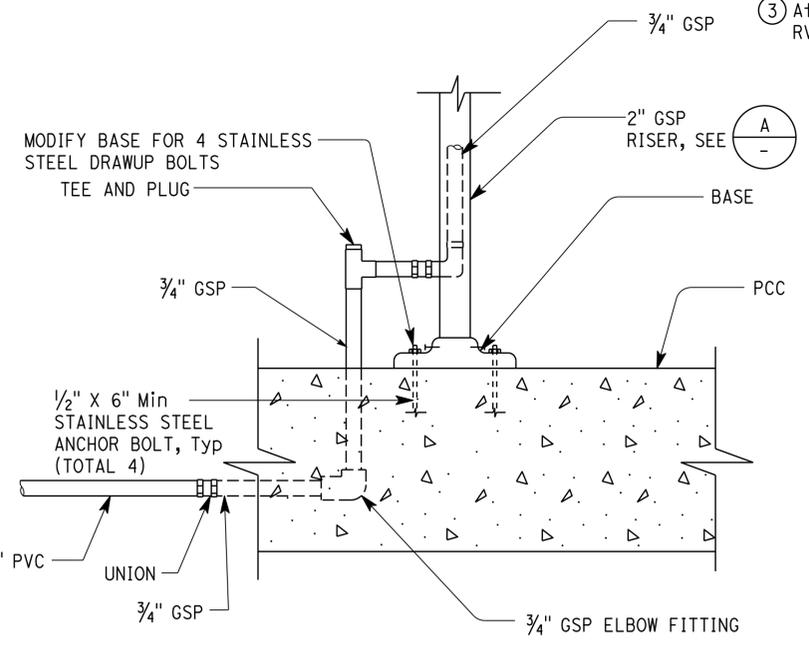
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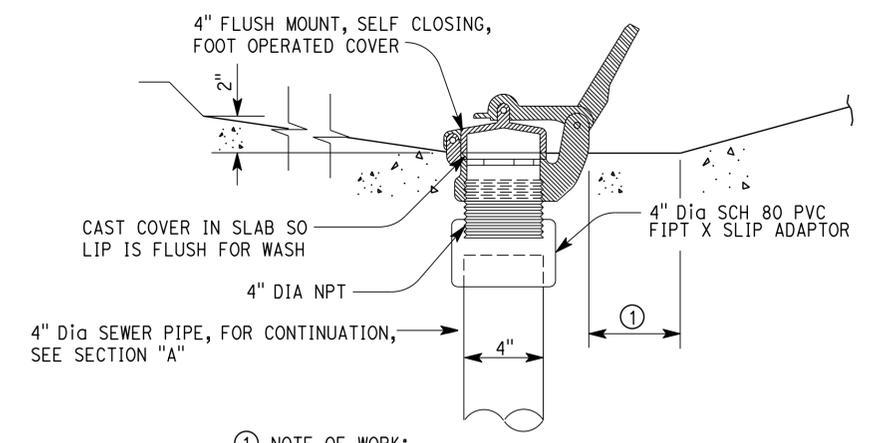
Reviewed by: *Andrew McSorley*
 ANDREW MCSORLEY
 Approval date: 3-2-2015
 CSFM: 01-19-11-0164-007



1 SANITARY STATION DUMP
NO SCALE



2 WATER TOWER BASE (MODIFY)
NO SCALE



B SANITARY HATCH COVER
NO SCALE

DOES SD Imperial Rev. 1/07	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.	LAS FLORES MAINTENANCE STATION WASHRACK	SHEET SS-11							
	DETAILS	BY Koshia Shah	CHECKED Jerry Marcotte			5718									
	QUANTITIES	BY Koshia Shah	CHECKED Jerry Marcotte			POST MILE									
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	UNIT 3616	PROJECT NUMBER & PHASE 07120002961	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF		
					0	1	2	3	EA 07-1W5101		6/28/12	8/14/12	9/28/12	12/08/14	

10-MAR-2015 11:05 os_11.dgn