

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	LAYOUT
3	CONSTRUCTION DETAILS
4	UTILITY PLAN
5	SUMMARY OF QUANTITIES
6-9	HIGHWAY PLANTING
10-19	REVISED STANDARD PLANS

BUILDING PLANS

20-26	ARCHITECTURAL PLANS
27-35	STRUCTURAL PLANS
36-51	ELECTRICAL PLANS
52-69	WATER SUPPLY PLANS

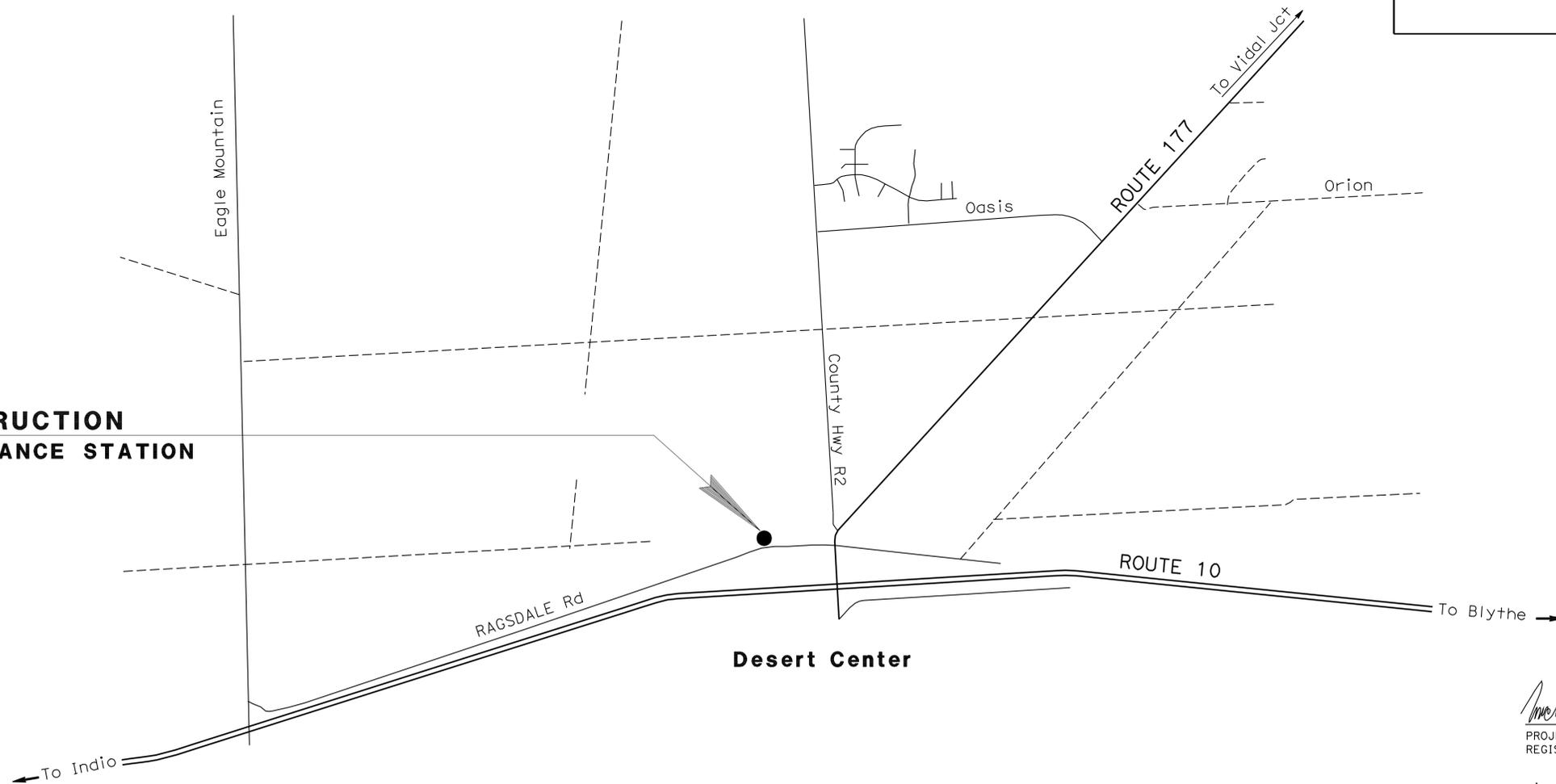
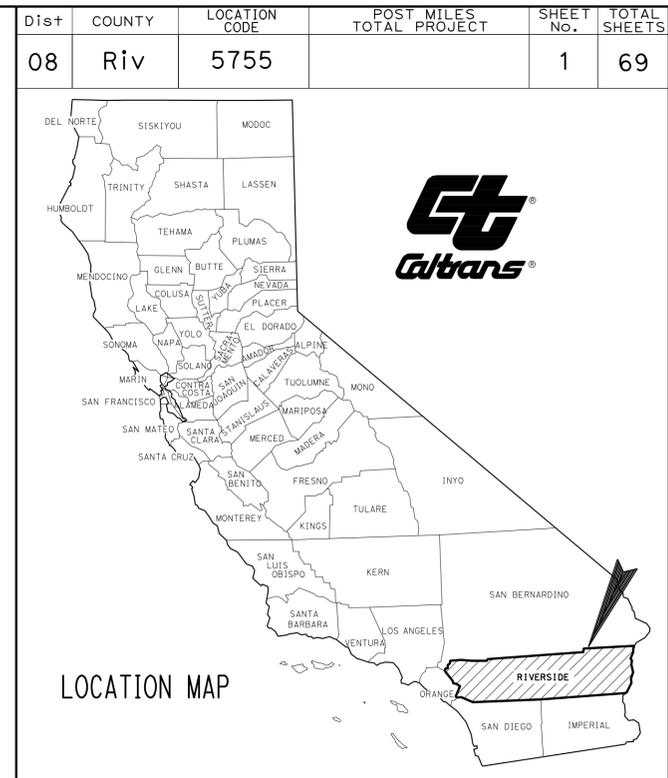
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR BUILDING CONSTRUCTION
STATE HIGHWAY

IN RIVERSIDE COUNTY
IN DESERT CENTER
AT THE DESERT CENTER
MAINTENANCE STATION

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATION OF CONSTRUCTION
DESERT CENTER MAINTENANCE STATION
LOCATION CODE No. 5755

Desert Center

NO SCALE

Michael Ristic 12-27-10
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER



June 13, 2011
PLANS APPROVAL DATE

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

CONTRACT No.	08-0N7104
PROJECT ID	080000539

PROJECT MANAGER
MUSTAPHA IAALI

DESIGN ENGINEER
MICHAEL RISTIC

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

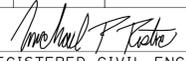
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Caltrans MAINTENANCE DESIGN

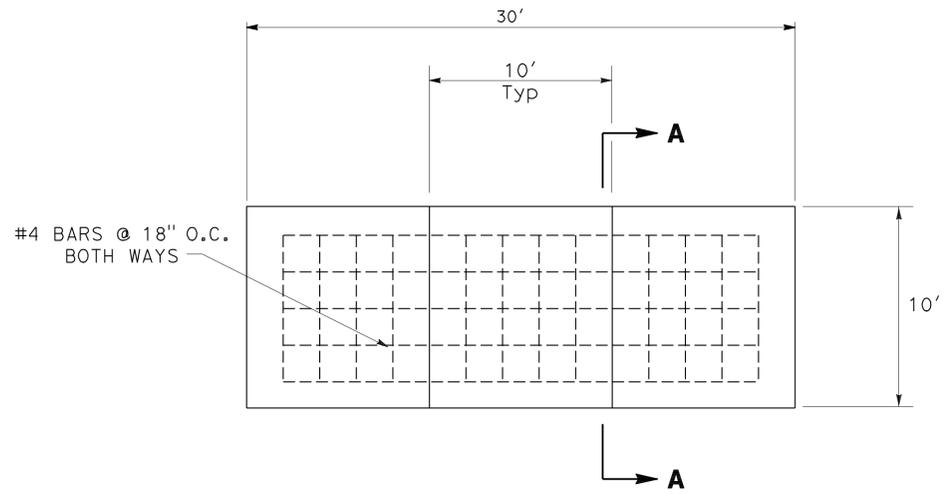
FUNCTIONAL SUPERVISOR
 MICHAEL RISTIC

CALCULATED, DESIGNED BY
 CHECKED BY

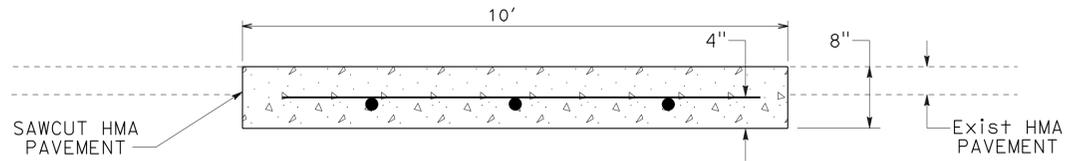
MICHAEL RISTIC
 MICHAEL RISTIC

REVISED BY
 DATE REVISED

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	5755		3	69
 REGISTERED CIVIL ENGINEER			12-27-10	DATE	
6-13-11 PLANS APPROVAL DATE					
					
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PLAN



SECTION A-A

CONCRETE PAD DETAIL

CONSTRUCTION DETAIL

NO SCALE **C-1**

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	5755		4	69

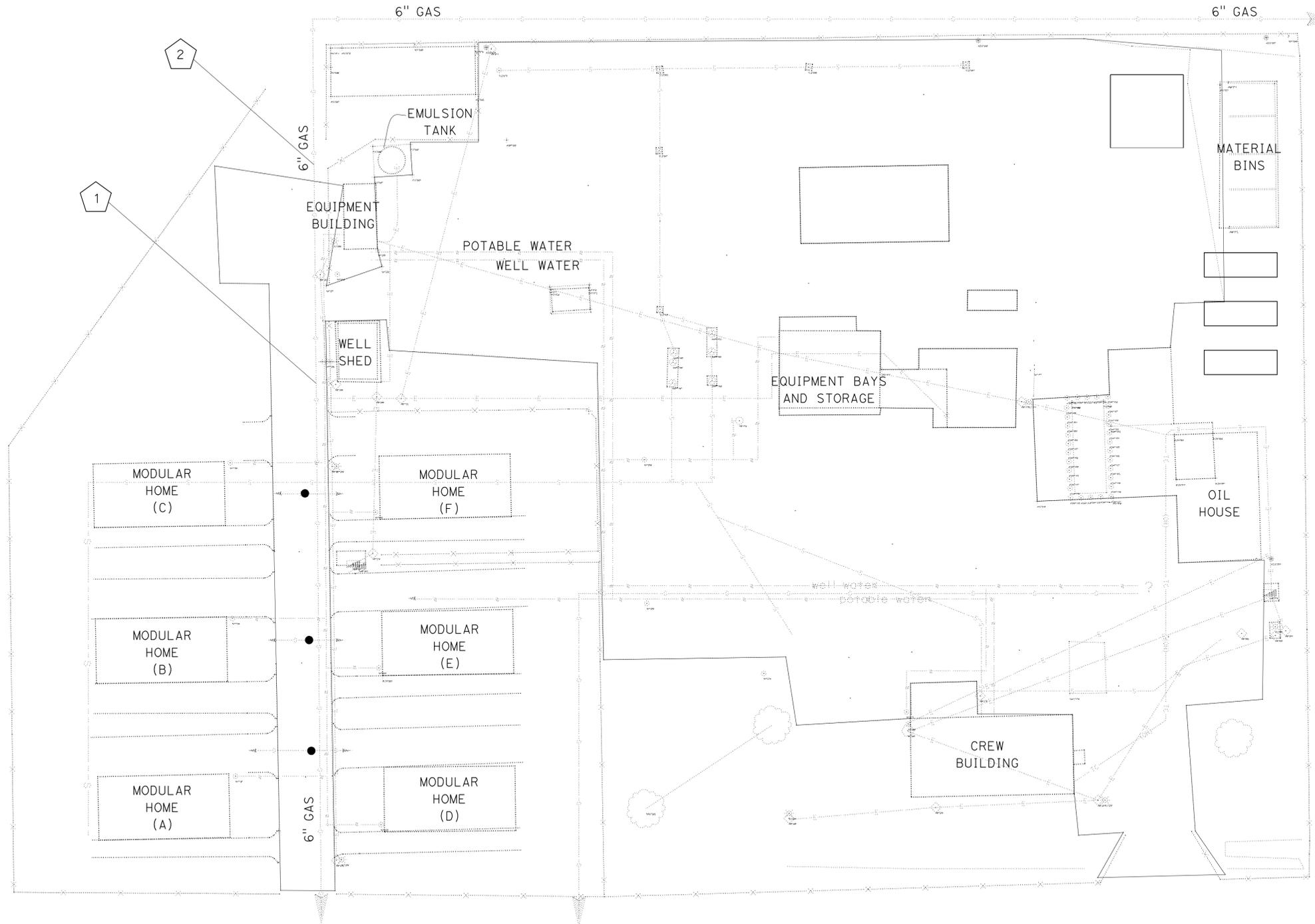
03-07-11
 REGISTERED CIVIL ENGINEER DATE
 6-13-11
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 MICHAEL RISTIC
 No. C69429
 Exp. 06-30-12
 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.

NOTE:

1. THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

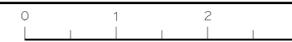


No.	LOCATION	ELEVATION	METHOD
1	N 2204444.193, E 6818662.68	893.12	POTHOLING
2	N 2204533.98, E 6818661.80	890.94	POTHOLING

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR MICHAEL RISTIC
 CALCULATED/DESIGNED BY CHECKED BY
 MICHAEL RISTIC MICHAEL RISTIC
 REVISED BY DATE REVISED
 MICHAEL RISTIC

UTILITY

NO SCALE **U-1**



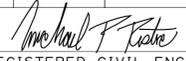
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR
 MICHAEL RISTIC

CALCULATED/DESIGNED BY
 CHECKED BY

MICHAEL RISTIC
 MICHAEL RISTIC

REVISED BY
 DATE REVISED

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	5755		5	69
			12-27-10		
REGISTERED CIVIL ENGINEER			DATE		
6-13-11			PLANS APPROVAL DATE		
					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

**MINOR
 CONCRETE
 (MISCELLANEOUS
 CONSTRUCTION)**

CY
22.2

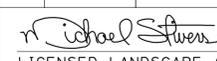
TEMPORARY WATER POLLUTION CONTROL QUANTITIES

TEMPORARY CONCRETE WASHOUT (PORTABLE)	LUMP SUM
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SUMMARY OF QUANTITIES

Q-1



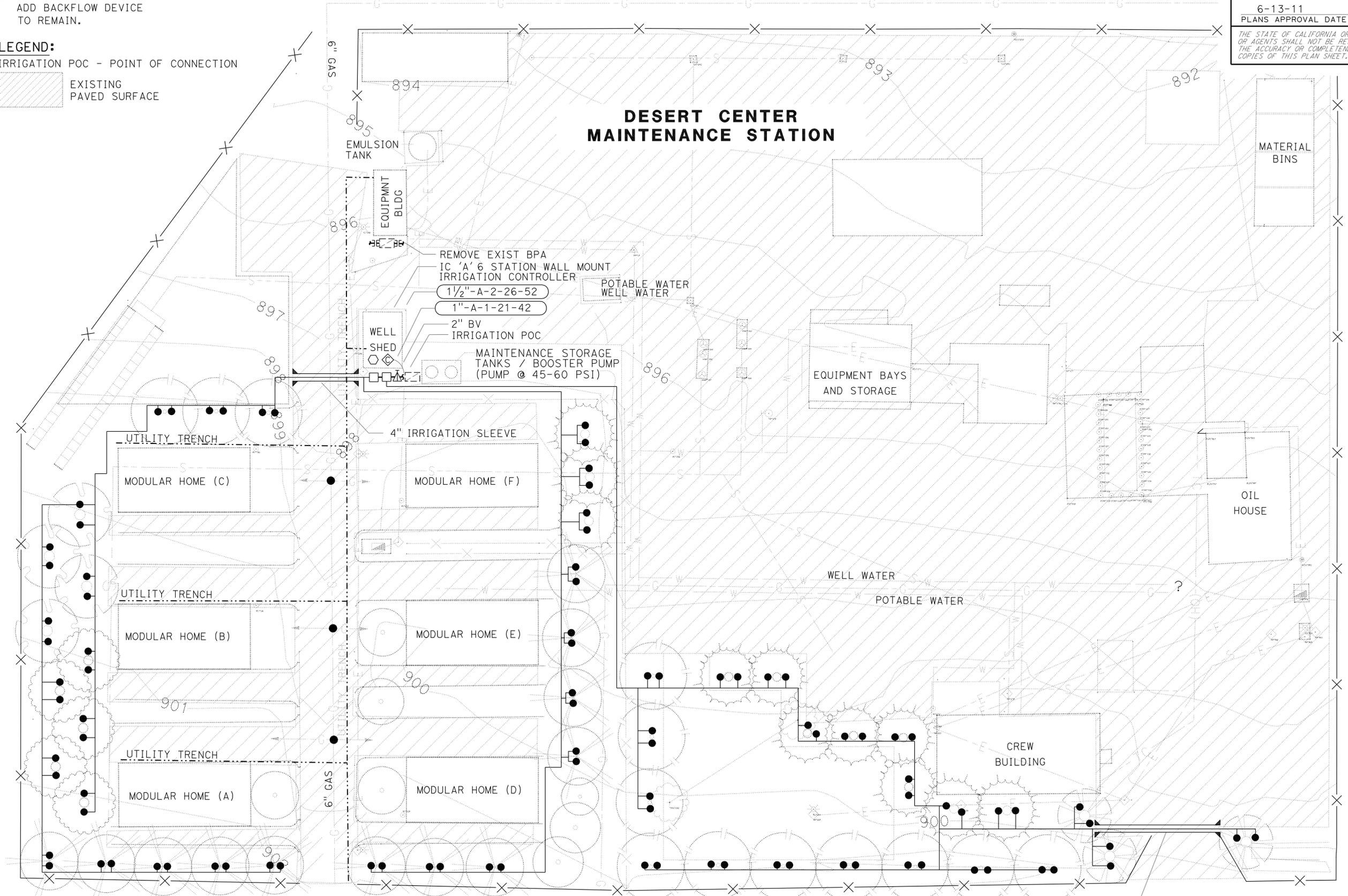
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	5755		6	69
 LICENSED LANDSCAPE ARCHITECT					
6-13-11 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



- NOTES:**
- FOR COMPLETE R/W AND ACCURATE ACCESS DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
 - EXISTING BOOSTER PUMP ADD BACKFLOW DEVICE TO REMAIN.

- LEGEND:**
- IRRIGATION POC - POINT OF CONNECTION
 - EXISTING PAVED SURFACE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT
 RAY DESSELLE
 MICHAEL STIVERS
 RAY DESSELLE
 CALCULATED/DESIGNED BY
 CHECKED BY
 REVISED BY
 DATE REVISED



**DESERT CENTER
MAINTENANCE STATION**

MATERIAL BINS

EQUIPMENT BAYS AND STORAGE

OIL HOUSE

CREW BUILDING

RAGSDALE ROAD

**IRRIGATION PLAN
SCALE: 1" = 20'
IP-1**

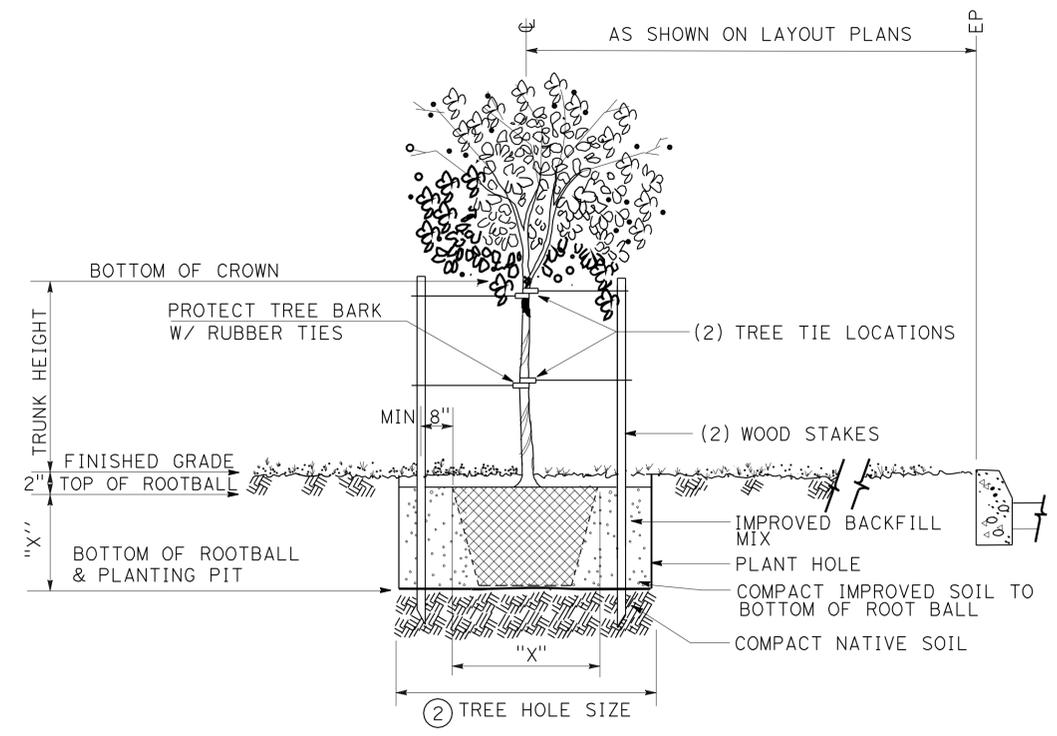
THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY

PLANT LIST AND PLANTING SPECIFICATIONS

PLANT GROUP	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (in)		BASIN TYPE	IRON SULFATE	SOIL AMEND	COMMERCIAL FERTILIZER		BASIN MULCH	STAKING	PLANTING LIMITS						REMARKS	
							DIA	DEPTH				PLANTING	PLT ESTB			MINIMUM DISTANCE (FT) FROM				ON CENTER (FT)			
																TRVD WAY	PVMT	FENCE	WALL		PAVED DITCH		EARTH DITCH
U	1		<u>ACACIA GREGGII</u>	CAT CLAW ACACIA	No. 15	5	②	⑥	1	—	0.9 CF	1/3 LB	1/3 LB	0.06 CY	⑥	—	—	—	—	—	—	④	TREE-STANDARD
	2		<u>PROSOPIS CHILENSIS</u>	CHILEAN MESQUITE TREE	No. 15	4	②	⑥	1	—	0.9 CF	1/3 LB	1/3 LB	0.06 CY	⑥	—	—	—	—	—	—	④	TREE-STANDARD
	3		<u>OLNEYA TESOTA</u>	DESERT IRONWOOD	No. 15	12	②	⑥	1	—	0.9 CF	1/3 LB	1/3 LB	0.06 CY	⑥	—	—	—	—	—	—	④	TREE-STANDARD
	4		<u>ACACIA STENOPHYLLA</u>	SHOESTRING ACACIA	No. 15	11	②	⑥	1	—	0.9 CF	1/3 LB	1/3 LB	0.06 CY	⑥	—	—	—	—	—	—	④	TREE-STANDARD
	5		<u>ACACIA BAILEYANA PURPUREA</u>	PURPLE FERNLEAF ACACIA	No. 15	13	②	⑥	1	—	0.9 CF	1/3 LB	1/3 LB	0.06 CY	⑥	—	—	—	—	—	—	④	TREE-STANDARD
	6		<u>CERCIDIUM X 'DESERT MUSEUM'</u>	HYBRID PALO VERDE 'DESERT MUSEUM'	No. 15	3	②	⑥	1	—	0.9 CF	1/3 LB	1/3 LB	0.06 CY	⑥	—	—	—	—	—	—	④	TREE-STANDARD

NOTE:
 UNDERLINED PORTIONS OF BOTANICAL NAME INDICATE ABBREVIATIONS USED ON PLANTING PLANS.

- APPLICABLE WHEN CIRCLED:**
- 1 - QUANTITIES SHOWN ARE "PER PLANT" UNLESS SHOWN AS FT² APPLICATION RATES.
 - ② - 2 X DIAMETER, 1 X DEPTH OF ROOT BALL
 - ③ - DOES NOT APPLY TO MULCH AREAS.
 - ④ - AS SHOWN ON PLANS.
 - 5 - UNLESS OTHERWISE SHOWN ON PLANS.
 - ⑥ - SEE DETAIL.
 - 7 - SEE SPECIAL PROVISIONS.



PLANT GROUP 'U' TREE PLANTING DETAIL
 "X" DENOTES TREE ROOTBALL SIZE AS REQUIRED BY PLANT LIST.
 NO SCALE

PLANT LIST PL-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Michael Stivers - LANDSCAPE ARCHITECT
 RAY DESSELLE
 RAY DESSELLE
 SENIOR LANDSCAPE ARCHITECT
 CHECKED BY
 CALCULATED/DESIGNED BY
 MICHAEL STIVERS
 RAY DESSELLE
 REVISOR
 DATE REVISOR

LAST REVISION | DATE PLOTTED => 17-JUN-2011
 12-24-10 TIME PLOTTED => 1:31

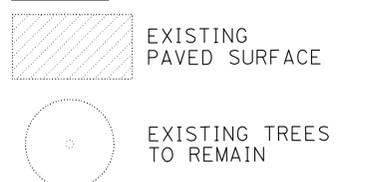
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	5755		8	69

Michael Stivers
 LICENSED LANDSCAPE ARCHITECT
 6-13-11
 PLANS APPROVAL DATE
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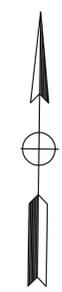
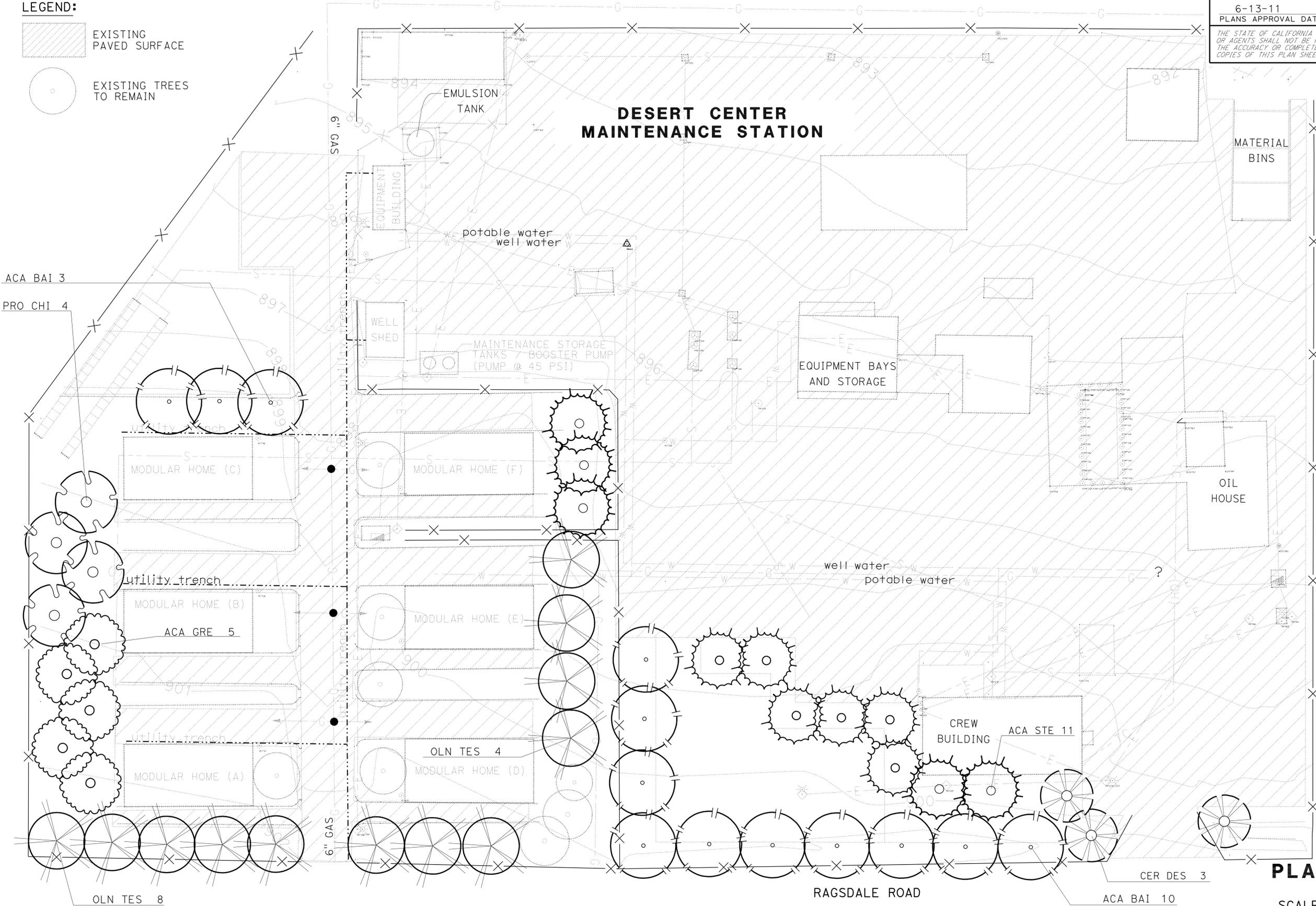
LICENSED LANDSCAPE ARCHITECT
 MICHAEL STIVERS #005057
 Signature: Michael Stivers
 Date: 08-31-11
 State of California

NOTE:
 FOR COMPLETE R/W AND ACCURATE ACCESS DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.

LEGEND:



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE	RAY DESSELLE	MICHAEL STIVERS	RAY DESSELLE
	CHECKED BY	DESIGNED BY	DATE
		RAY DESSELLE	



PLANTING PLAN
PP-1

THIS PLAN ACCURATE FOR LANDSCAPE WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT
 RAY DESSELLE

CALCULATED, DESIGNED BY
 CHECKED BY

MICHAEL STIVERS
 RAY DESSELLE

REVISED BY
 DATE REVISED

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	5755		9	69

Michael Stivers
 LICENSED LANDSCAPE ARCHITECT

6-13-11
 PLANS APPROVAL DATE

08-31-11
 12-27-10
 STATE OF CALIFORNIA

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APPLICABLE WHEN CIRCLED BELOW:

- 1 - SEE SPECIAL PROVISIONS.
- ② - IF A PRESSURE COMPENSATING DEVICE IS SPECIFIED, THE DISCHARGE AND RADII SHOWN REFLECT ITS USE.
- 3 - ARC STOP SHALL BE FITTED WITH A NUT AND BOLT.
- 4 - VINYL-COATED CAST IRON HOUSING.
- 5 - SWING JOINTS REQUIRED ADJACENT TO SHOULDERS, CURBS, SIDEWALKS, AND DIKES.
- 6 - UNLESS OTHERWISE SHOWN ON PLANS.

ABBREVIATIONS

- | | |
|---------------------------|-------------------------------|
| F — FULL CIRCLE | FT — FEET/FOOT |
| P — PART CIRCLE | GPM — GALLONS PER MINUTE |
| F/P — FULL/PART CIRCLE | GPH — GALLONS PER HOUR |
| Q — QUARTER CIRCLE | ADJ — ADJUSTABLE |
| T — THIRD CIRCLE | PL — PLASTIC |
| H — HALF CIRCLE | B/B — BRASS/BRONZE |
| TT — TWO THIRD CIRCLE | B/PL — BRASS/PLASTIC |
| TQ — THREE QUARTER CIRCLE | B/B/PL — BRASS/BRONZE/PLASTIC |
| CST — CENTER STRIP | NPT — NATIONAL PIPE THREAD |
| SST — SIDE STRIP | IPS — IRON PIPE SIZE |
| EST — END STRIP | PSI — POUNDS PER SQUARE INCH |

1"	1 1/2"	2"	RCV
● 1-6 GPM 1-12 HEADS	● 7-18 GPM 13-36 HEADS	● 19-30 GPM 37-58 HEADS	□

PIPE SIZING CHART (LATERAL LINE)

SPRINKLER SCHEDULE

SYMBOL	TYPE	DESCRIPTION	SPRAY PATTERN	OPERATING PRESSURE (PSI)	PRESSURE COMPENSATING	PLUS/MINUS 5% ②		WIDTH x LENGTH (F+)	MATERIAL	INLET CONNECTION (NPT INCH)	POSITIVE-LOCKING ADJ ARC STOP	BACKSPASH PREVENTER	DIFFUSER PIN	DISTANCE CONTROL FLAP	ADJ DISCHARGE	RISER				SWING JOINT (TYPE)	RISER SUPPORT	SPRINKLER PROTECTOR (TYPE)	REMARKS							
						DISCHARGE										MATERIAL														
						GALLONS PER MINUTE (GPM)	GALLONS PER HOUR (GPH)									PLASTIC	GALVANIZED													
●	C-3	FLOOD BUBBLER	—	30	X	0.5	—	—	PL	1/2	—	—	—	—	—	V	X	—	1/2	2	—	—	—	—	—	—	—	—	—	—

X IN BOX DENOTES REQUIREMENT

LANDSCAPE DETAILS

SCALE: 1" = 20'

LD-1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		10	69

Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 June 5, 2009
 PLANS APPROVAL DATE
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To accompany plans dated 6-13-11

2006 REVISED STANDARD PLAN RSP H1

A

AB aggregate base
 ABS acrylonitrile-butadiene-styrene
 AC asphalt concrete
 Adj adjacent/adjustable
 AIC auxiliary irrigation controller
 Alt alternative
 AMEND amendment
 ARV air release valve
 AUTO automatic
 AUX auxiliary
 AVB atmospheric vacuum breaker

B

B&B balled and burlapped
 B/B brass/bronze
 B/B/PL brass/bronze/plastic
 B/PL brass/plastic
 BFM bonded fiber matrix
 Bit C+D bituminous coated
 BP booster pump
 BPA backflow preventer assembly
 BPAE backflow preventer assembly in enclosure
 BPE backflow preventer enclosure
 BV ball valve

C

CAP corrugated aluminum pipe
 CARV combination air release valve
 CCA cam coupler assembly
 CEC controller enclosure cabinet
 CHDPE corrugated high density polyethylene
 CL chain link
 CNC control and neutral conductors
 Conc concrete
 Cond conduit
 CSP corrugated steel pipe
 CST center strip
 CV check valve

D

Dia diameter
 DIP ductile iron pipe
 DN diameter nominal

E

EA each
 Elect electric/electrical
 Elev elevation
 ENCL enclosure
 EP edge of pavement
 ES edge of shoulder
 EST end strip
 ESTB establishment
 ETW edge of traveled way

F

F full circle
 F/P full/part circle
 FAU filter assembly unit
 FCV flow control valve
 FERT fertilizer
 FG finished grade
 FIPT female iron pipe thread
 FIS fertilizer injector system
 FL flow line
 FM flow monitor
 FS flow sensor
 Ft foot/feet
 FV flush valve

G

GAL Gallon(s)
 Galv galvanized
 GARV garden valve
 GPH gallons per hour
 GPM gallons per minute
 GSP galvanized steel pipe
 GV gate valve

H

H half circle
 HB hose bib
 HDPE high density polyethylene
 HP horsepower/hinge point
 HPL high pressure line
 Hwy highway

I

IC irrigation controller
 ICC irrigation controller(s) in controller enclosure cabinet
 ID inside diameter
 In inches
 IFS irrigation filtration system
 IPS iron pipe size
 IPT iron pipe thread
 Irr irrigation

L

L length
 LF linear foot

M

Max maximum
 MBGR metal beam guard railing
 MCV manual control valve
 MIC master irrigation controller
 Min minimum
 MIPT male iron pipe thread
 Misc miscellaneous
 M+I material
 MVP maintenance vehicle pullout

N

NCN no common name
 NL nozzle line
 No. number
 NPT national pipe thread

O

O/C on center
 OD outside diameter
 Oz ounce

P

P part circle
 PB pull box
 PCC portland cement concrete
 PE polyethylene
 PK+ packet
 PL plastic
 PLT plant/planting
 PLT ESTB plant establishment
 PM post mile
 PR pressure rated
 PRLV pressure relief valve
 PSFM polymer stabilized fiber matrix
 PSI pounds per square inch
 PRV pressure reducing valve
 PVC polyvinyl chloride
 Pvm+ pavement

Q

Q quarter circle
 QCV quick coupling valve

R

R radius
 RCP reinforced concrete pipe
 RCV remote control valve
 RCVM remote control valve (master)
 RCVMF remote control valve (master) w/ flow meter
 RCW recycled/reclaimed water
 RECP rolled erosion control product
 REQ required
 R/W right of way

S

S slip
 SCC sprinkler control conduit
 SCH schedule
 SF state-furnished
 Shld shoulder
 SQFT square foot/feet
 SQYD square yard(s)
 SST side strip
 Sta station
 Std standard
 SW sidewalk/sound wall

T

T third circle/thread
 TLS truck loading standpipe
 TQ three quarter circle
 TRM turf reinforcement mat
 TRVD traveled
 TT two third circle
 Typ typical

U

UG underground

V

VAU valve assembly unit

W

W width
 W/ with
 WM water meter
 WS wye strainer
 WSP welded steel pipe
 WWM welded wire mesh

NOTE:
 FOR ADDITIONAL ABBREVIATIONS,
 SEE STANDARD PLANS A10A AND A10B.

**PLANTING AND IRRIGATION
 ABBREVIATIONS**

NO SCALE

RSP H1 DATED JUNE 5, 2009 SUPERSEDES STANDARD PLAN H1
 DATED MAY 1, 2006 - PAGE 201 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP H1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		11	69

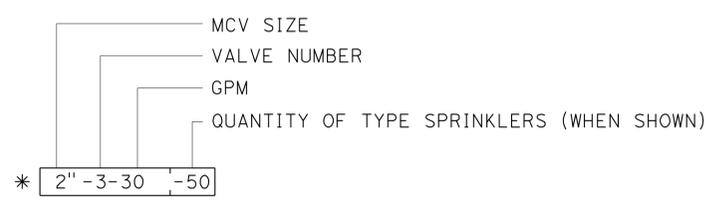
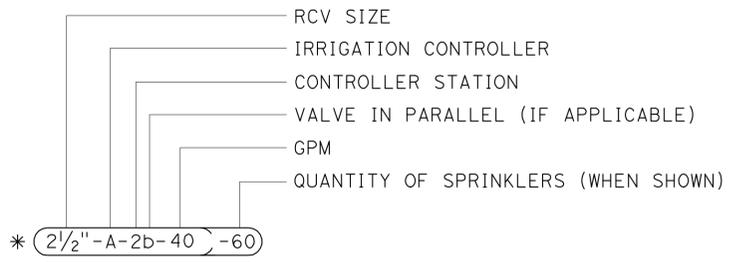
Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 June 5, 2009
 PLANS APPROVAL DATE
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 6-13-11

EXISTING	PROPOSED	ITEM DESCRIPTION
		WATER METER (WM)
		BACKFLOW PREVENTER ASSEMBLY (BPA)
		BACKFLOW PREVENTER ASSEMBLY IN ENCLOSURE (BPAE)
		BACKFLOW PREVENTER ENCLOSURE (BPE)
		BOOSTER PUMP (BP)
		TRUCK LOADING STANDPIPE (TLS)
		FLOW SENSOR (FS)
		MASTER IRRIGATION CONTROLLER (MIC)
		AUXILIARY IRRIGATION CONTROLLER (AIC)
		IRRIGATION CONTROLLER (IC)/ IRRIGATION CONTROLLER (IC) (BATTERY) IRRIGATION CONTROLLER (IC) (SOLAR)
		IRRIGATION CONTROLLER(S) IN CONTROLLER ENCLOSURE CABINET (ICC)
		CONTROL AND NEUTRAL CONDUCTORS (CNC)
		SPRINKLER CONTROL CONDUIT (SCC)
		IRRIGATION CROSSOVER
		EXTEND IRRIGATION CROSSOVER
		IRRIGATION SLEEVE
		DUCTILE IRON PIPE (SUPPLY LINE) (MAIN) (DIP)
		GALVANIZED STEEL PIPE (SUPPLY LINE) (MAIN) (GSP)
		GALVANIZED STEEL PIPE (SUPPLY LINE) (LATERAL) (GSP)
		PLASTIC PIPE (PR 200) (SUPPLY LINE) (MAIN)
		PLASTIC PIPE (PR 200) (SUPPLY LINE) (LATERAL)
		PLASTIC PIPE (IRRIGATION LINE)
		REMOTE CONTROL VALVE (RCV) REMOTE CONTROL VALVE (MASTER) (RCVM) REMOTE CONTROL VALVE (MASTER) W/FLOW METER (RCVMF)
		MANUAL CONTROL VALVE (MCV)
		VALVE ASSEMBLY UNIT (VAU)
		WYE STRAINER (WS)
		FILTER ASSEMBLY UNIT (FAU)
		GATE VALVE (GV)
		BALL VALVE (BV)

EXISTING	PROPOSED	ITEM DESCRIPTION
		QUICK COUPLING VALVE (QCV)
		CAM COUPLER ASSEMBLY (CCA)
		PRESSURE REDUCING VALVE (PRV)
		PRESSURE RELIEF VALVE (PRLV)
		FLOW CONTROL VALVE (FCV)
		COMBINATION AIR RELEASE VALVE (CARV)
		CHECK VALVE (CV)
		FLUSH VALVE (FV)
		NOZZLE LINE W/TURNING UNION
		IRRIGATION SYSTEM
		IRRIGATION SYSTEM TO BE REMOVED
		CHAIN LINK GATE
		QUICK COUPLING VALVE W/SPRINKLER PROTECTOR
		SPRINKLER W/SPRINKLER PROTECTOR
		CONNECT TO EXISTING SYSTEM
		CAP
		CAP EXISTING

VALVE CODE



* VALVE CODES FOR EXISTING VALVES ARE SHOWN IN A DASHED ENCLOSURE.

PLANTING AND IRRIGATION SYMBOLS

NO SCALE

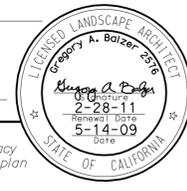
RSP H2 DATED JUNE 5, 2009 SUPERSEDES RSP H2 DATED MARCH 7, 2008 AND STANDARD PLAN H2 DATED MAY 1, 2006 - PAGE 202 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP H2

2006 REVISED STANDARD PLAN RSP H2

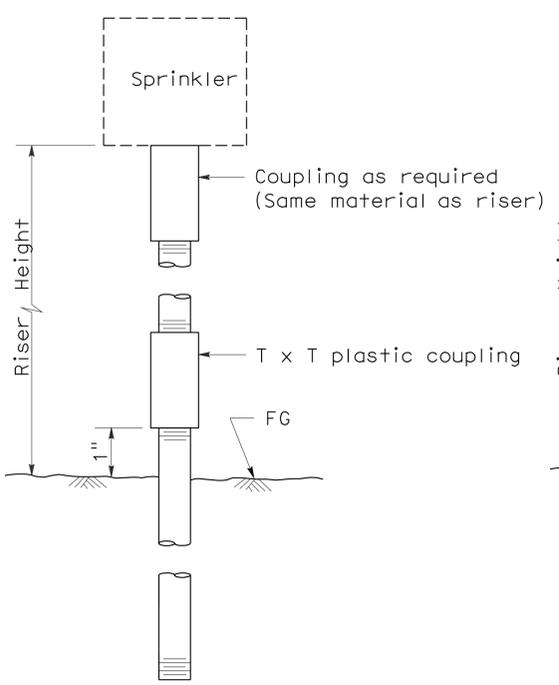
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		12	69

Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 June 5, 2009
 PLANS APPROVAL DATE
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

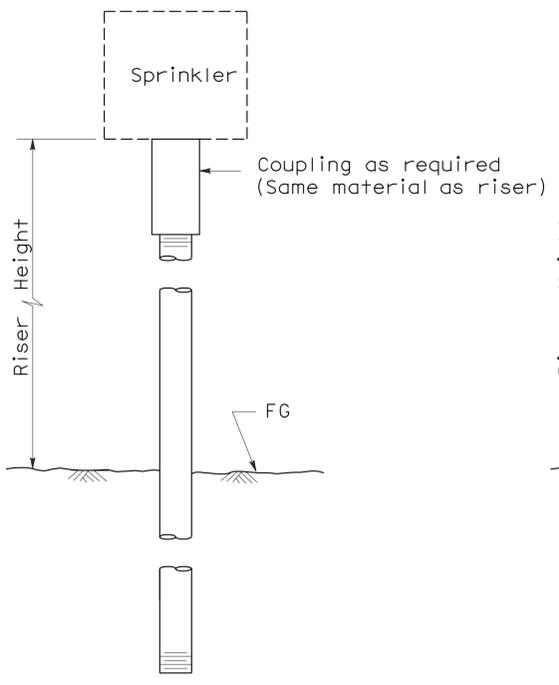


To accompany plans dated 6-13-11

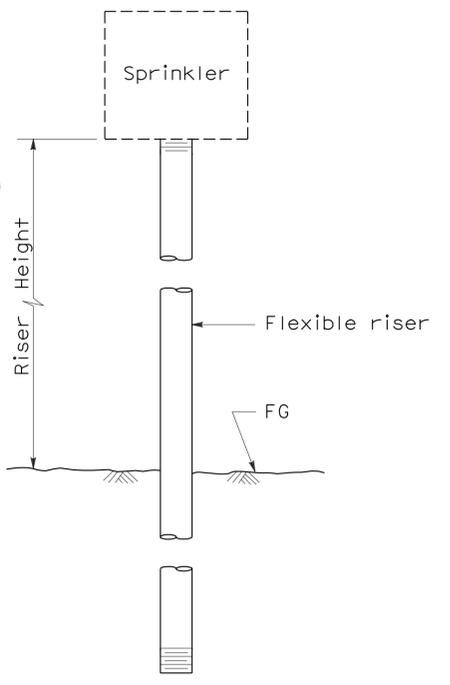
2006 REVISED STANDARD PLAN RSP H5



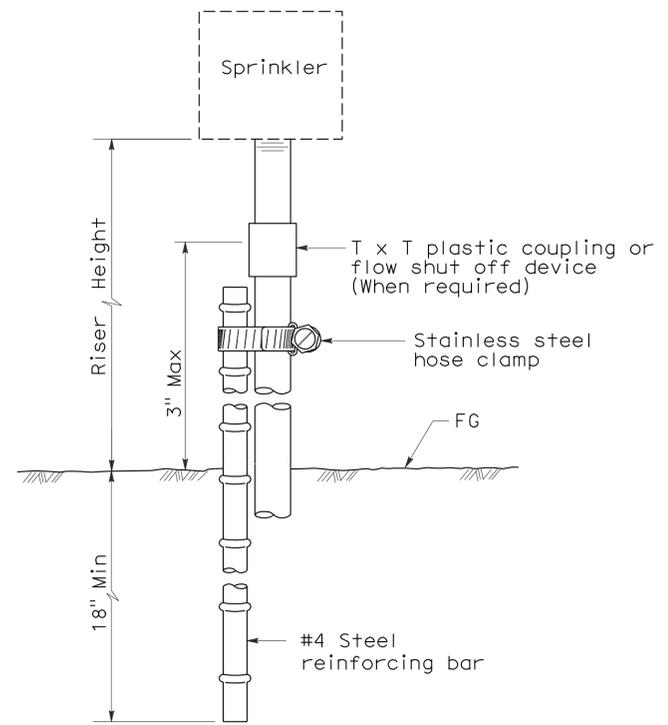
ELEVATION
RISER TYPE I



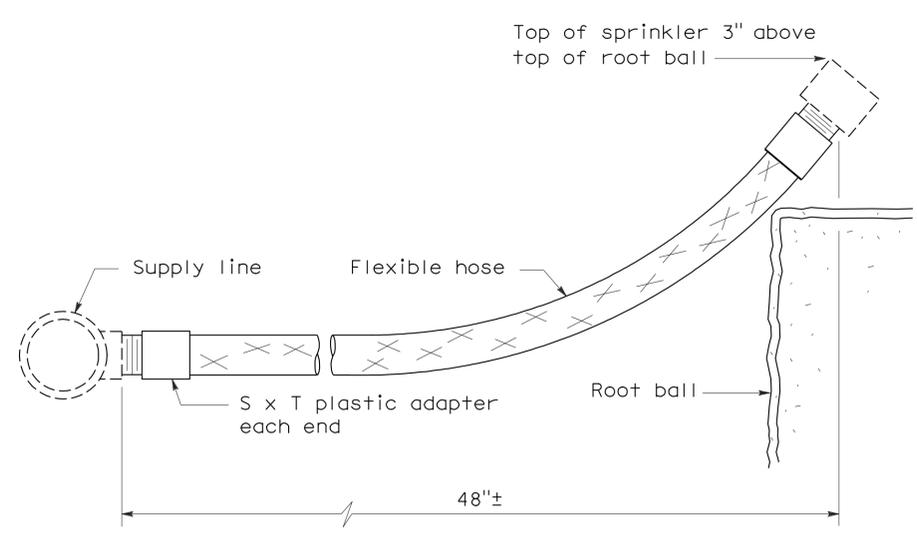
ELEVATION
RISER TYPE II



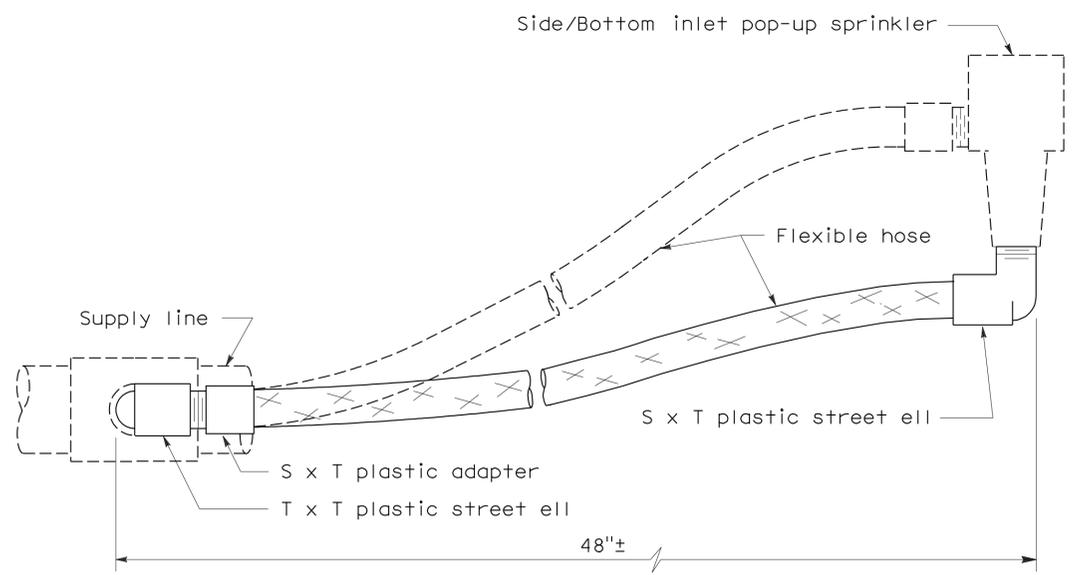
ELEVATION
RISER TYPE III



ELEVATION
RISER TYPE IV



ELEVATION
RISER TYPE V



ELEVATION
RISER TYPE VI

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PLANTING AND IRRIGATION
DETAILS**
NO SCALE

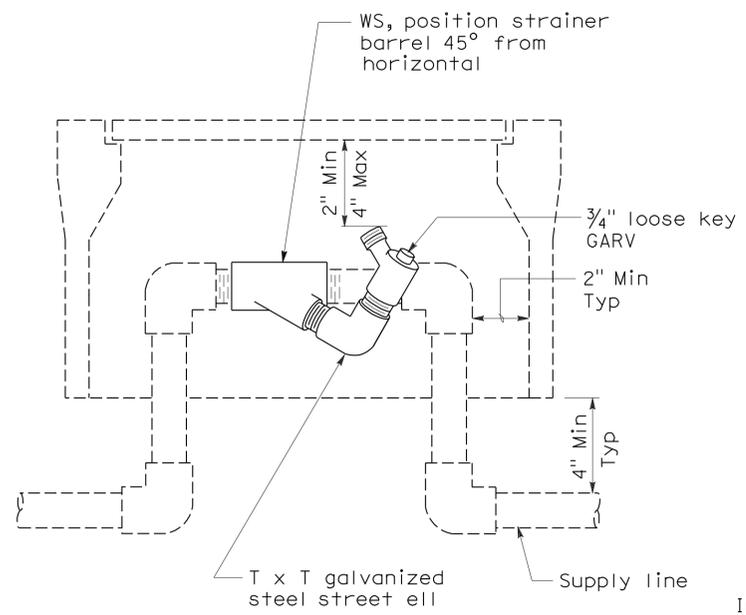
RSP H5 DATED JUNE 5, 2009 SUPERSEDES STANDARD PLAN H5
DATED MAY 1, 2006 - PAGE 205 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP H5

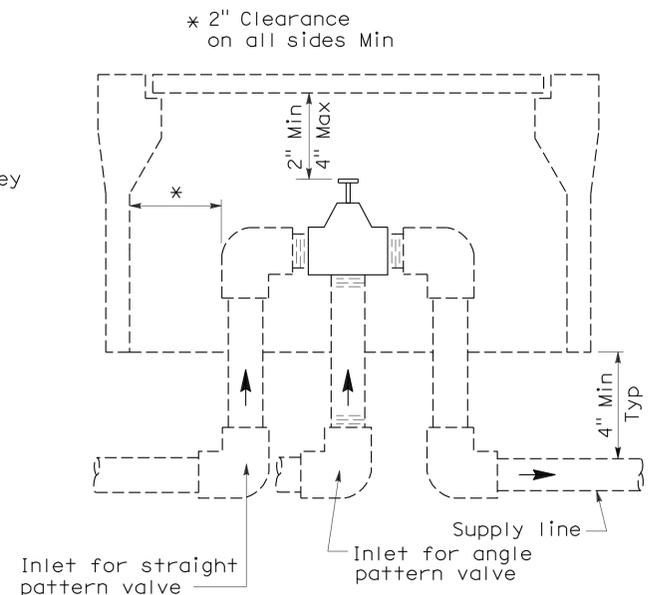
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		13	69

Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 License No. 226
 Signature Date: 2-28-11
 Renewal Date: 5-14-09
 State of California

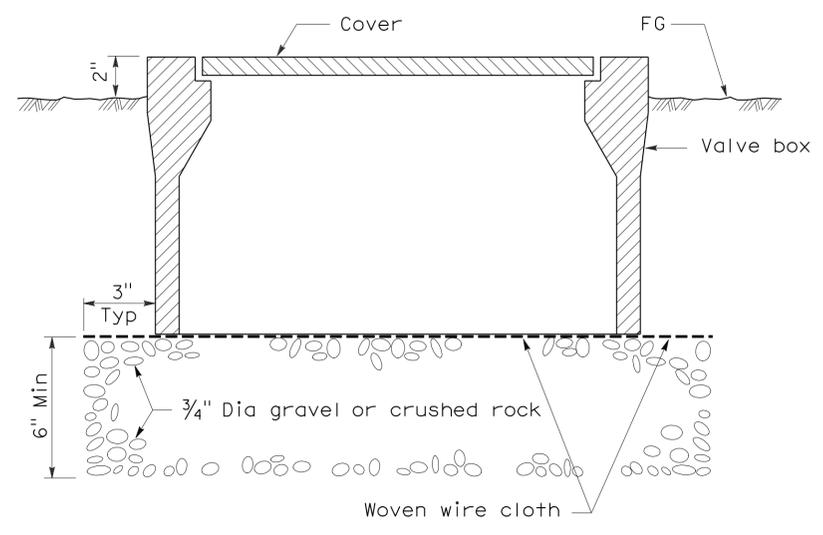
June 5, 2009
 PLANS APPROVAL DATE
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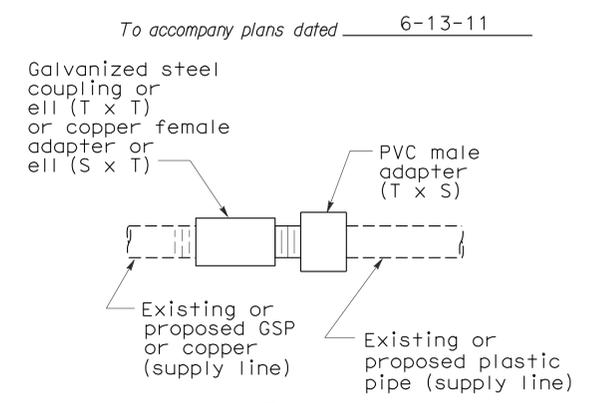
**ELEVATION
WYE STRAINER**



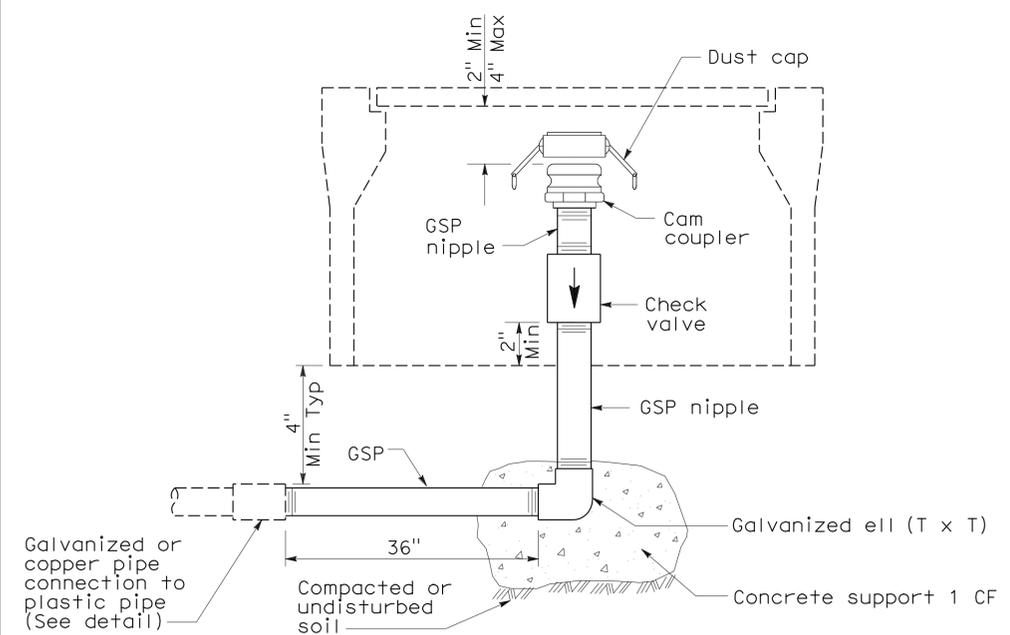
**ELEVATION
VALVE**



**SECTION
VALVE BOX**

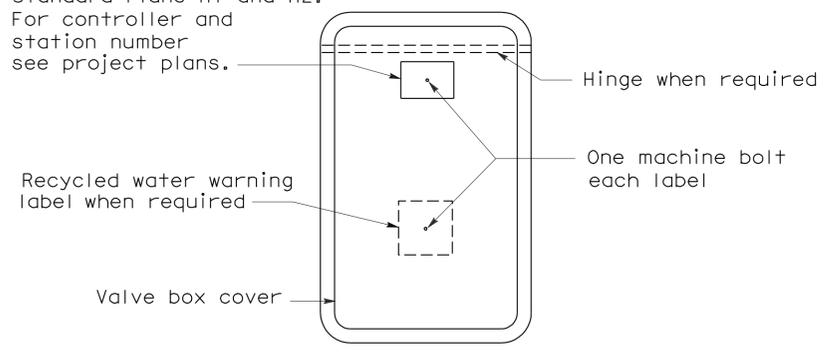


**PLAN
GALVANIZED OR COPPER PIPE
CONNECTION TO PLASTIC PIPE**

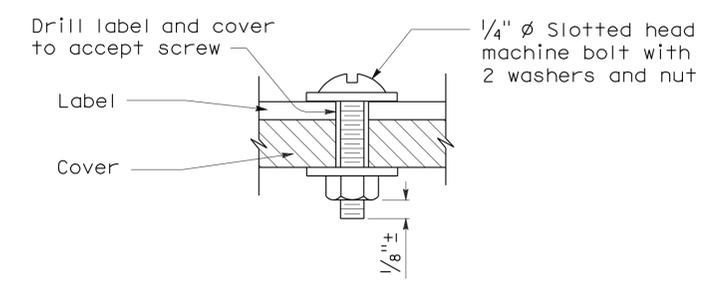


**ELEVATION
CAM COUPLER ASSEMBLY**

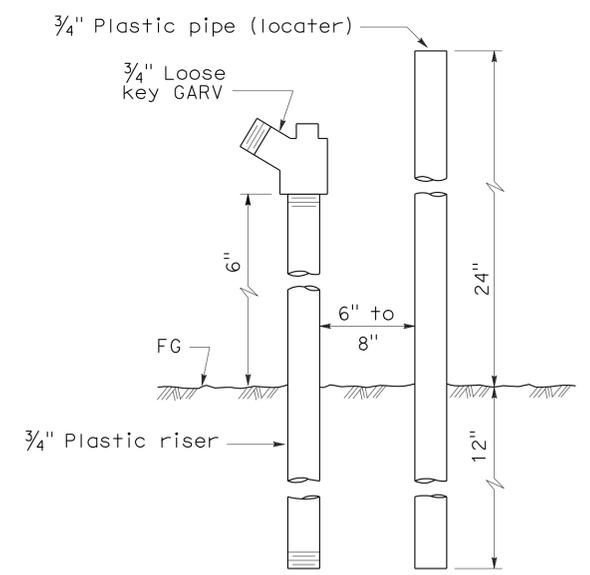
Identification label:
 For abbreviations see Revised Standard Plans H1 and H2.
 For controller and station number see project plans.



PLAN



**SECTION
VALVE BOX IDENTIFICATION**



**ELEVATION
FLUSH VALVE**

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**PLANTING AND IRRIGATION
DETAILS**

NO SCALE

RSP H7 DATED JUNE 5, 2009 SUPERSEDES STANDARD PLAN H7
DATED MAY 1, 2006 - PAGE 207 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP H7

2006 REVISED STANDARD PLAN RSP H7

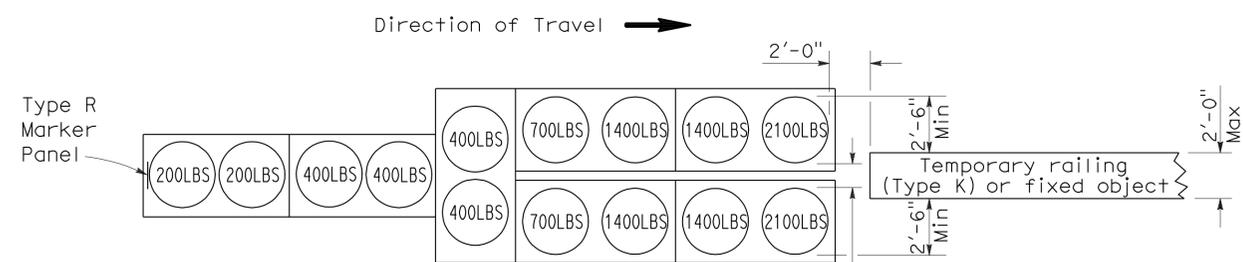
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		14	69

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

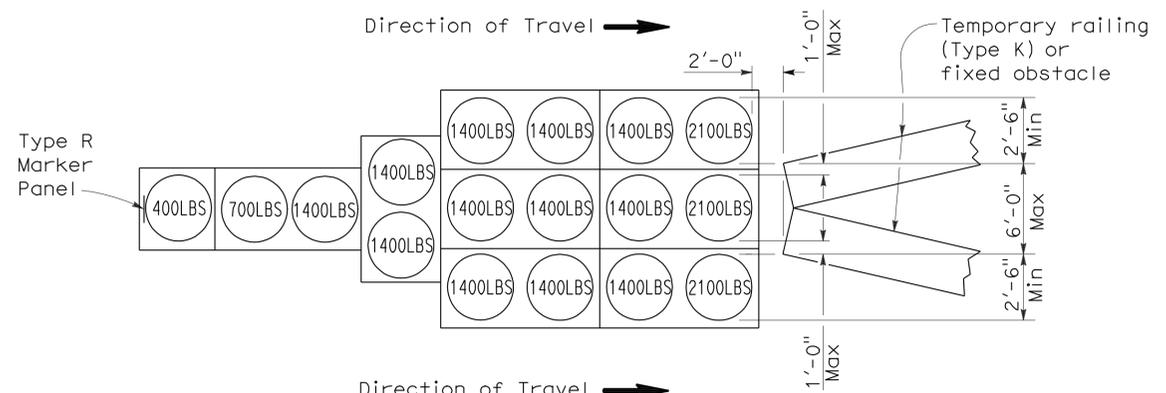
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 6-13-11



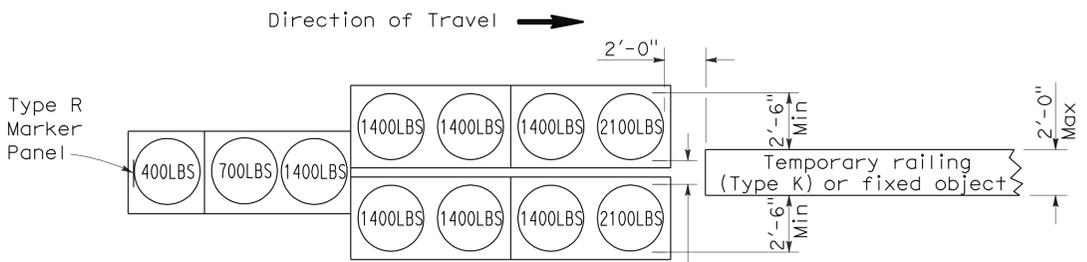
ARRAY 'TU14'

Approach speed 45 mph or more



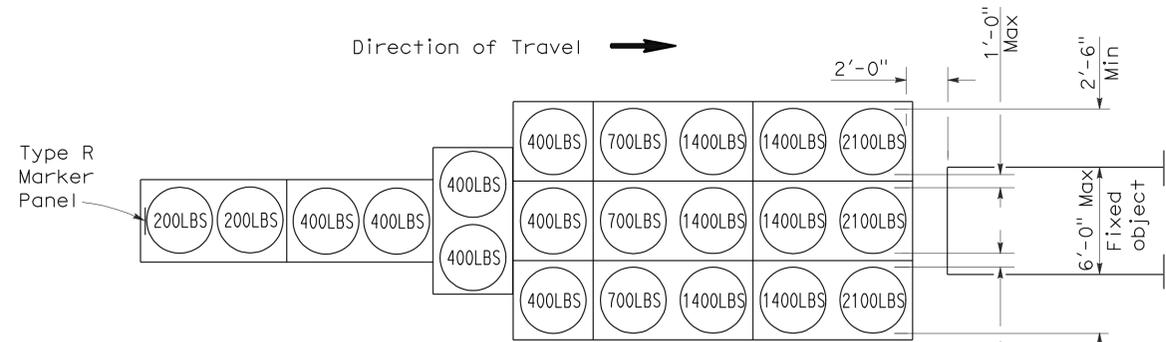
ARRAY 'TU17'

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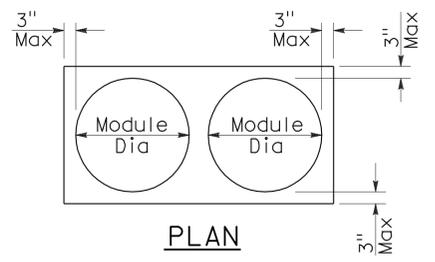
ARRAY 'TU11'

Approach speed less than 45 mph

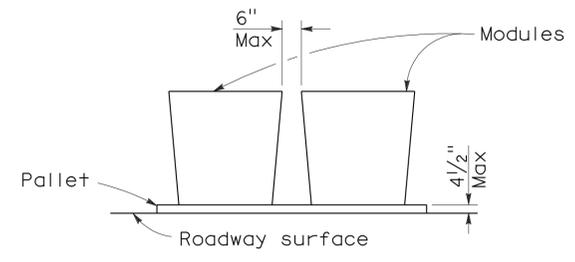


ARRAY 'TU21'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

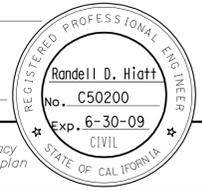
**TEMPORARY CRASH CUSHION,
SAND FILLED
(UNIDIRECTIONAL)**

NO SCALE

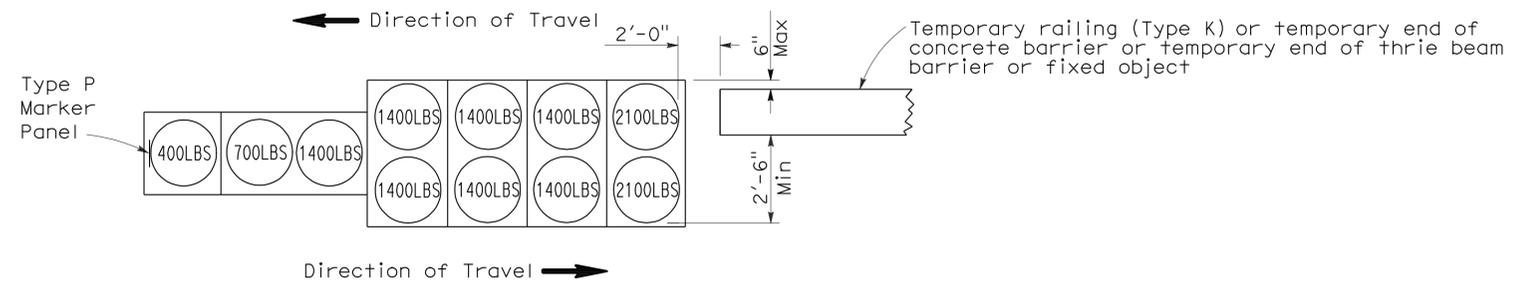
RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

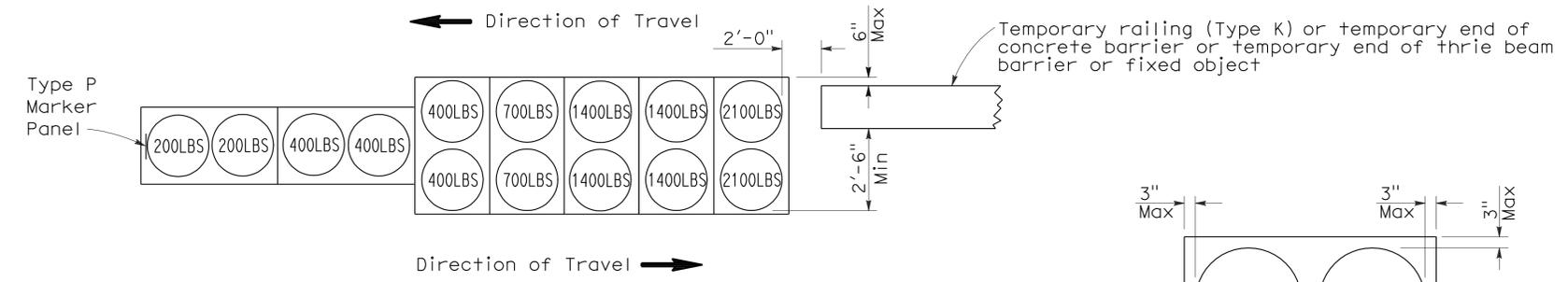


To accompany plans dated 6-13-11



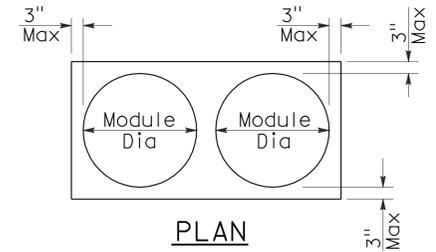
ARRAY 'TB11'

Approach speed less than 45 mph

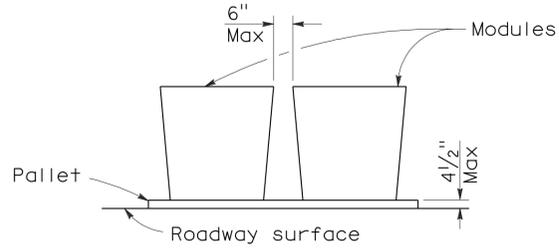


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

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

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		16	69

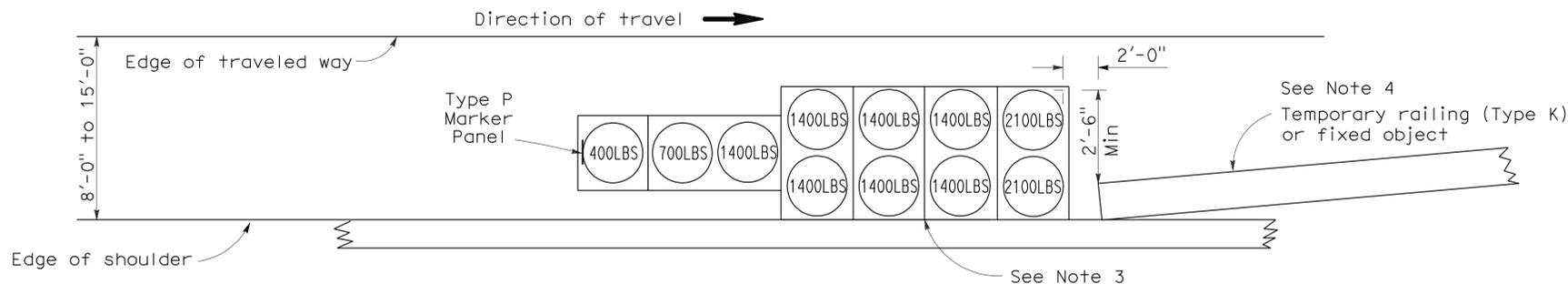
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

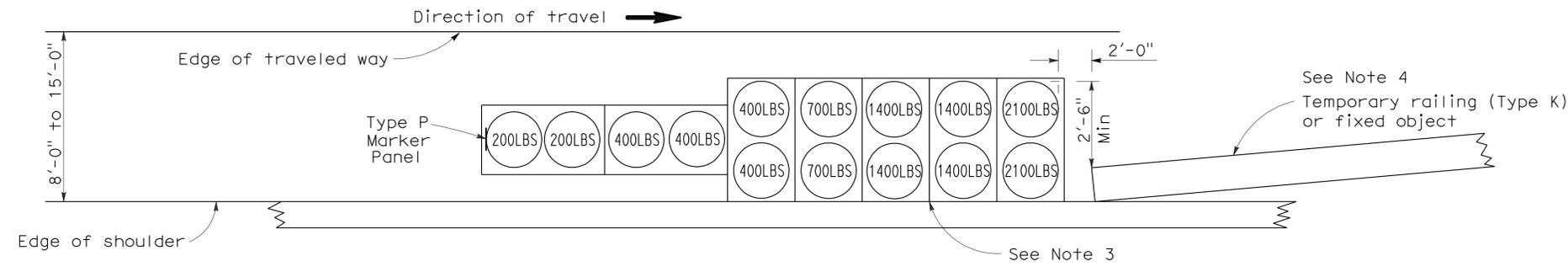
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REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

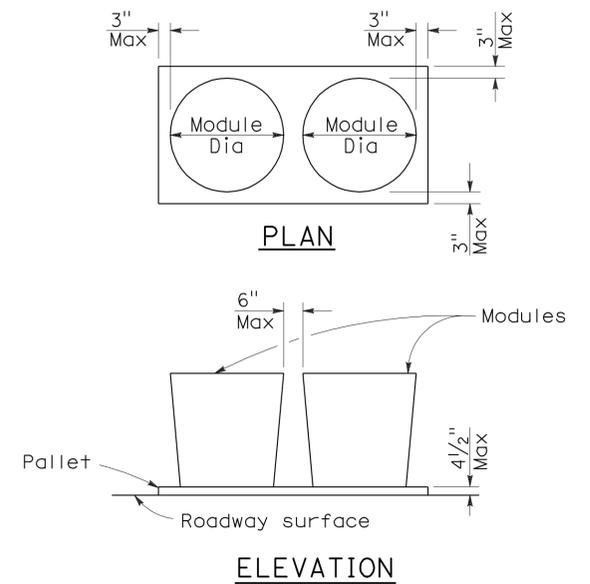
To accompany plans dated 6-13-11



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



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



CRASH CUSHION PALLET DETAIL
See Note 11

NOTES:

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

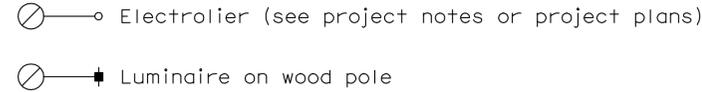
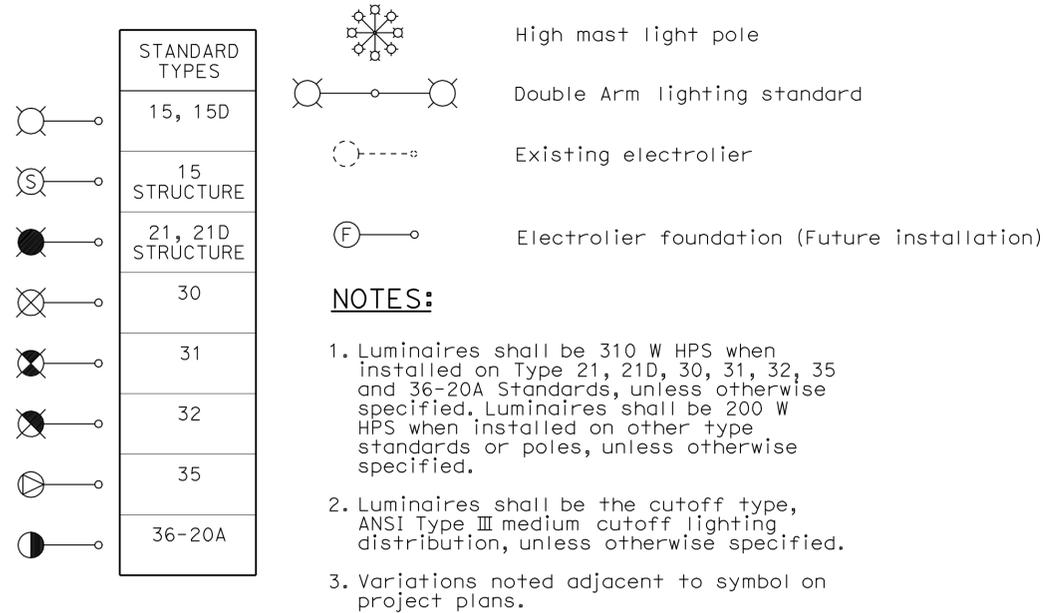
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(SHOULDER INSTALLATIONS)**

NO SCALE
RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

ELECTROLIERS



STANDARD NOTES:

- AB** Abandon. If applied to conduit, remove conductors.
- BC** Install pull box in existing conduit run.
- BP** Pedestrian barricade, type as indicated on plan.
- CB** Install conduit into existing pull box.
- CC** Connect new and existing conduit. Remove existing conductors and install conductors as indicated.
- CF** Conduit to remain for future use. Remove conductors. Install pull wire or rope.
- DH** Detector handhole.
- FA** Foundation to be abandoned.
- IS** Install sign on signal mast arm.
- NS** No slip base on standard.
- PEC** Photoelectric control.
- PEU** Photoelectric unit.
- RC** Equipment or material to be removed and become the property of the Contractor.
- RE** Remove electrolier, fuses and ballast. Tape ends of conductors.
- RL** Relocate equipment.
- RR** Remove and reuse equipment.
- RS** Remove and salvage equipment.
- SC** Splice new to existing conductors.
- SD** Service disconnect.
- SF** Standard to remain for future use. Remove luminaire, pole conductors, fuses and ballast.
- TSP** Telephone service point.

ABBREVIATIONS AND EQUIPMENT DESIGNATIONS

PROPOSED EXISTING

BBS	bbs	Battery backup system
BC	bc	Bolt circle
C	C	Conduit
CCTV	cctv	Closed circuit television
CKT	ckt	Circuit
CMS	cms	Changeable message sign
DLC	dlc	Loop detector lead-in cable
EMS	ems	Extinguishable message sign
EVC	evc	Emergency vehicle cable
EVD	evd	Emergency vehicle detector
FB	fb	Flashing beacon
FBCA	fbca	Flashing beacon control assembly
FBS	fbs	Flashing beacon with slip base
FO	fo	Fiber optic
G	G	Ground (Equipment Grounding Conductor)
GFCI	GFCI	Ground fault circuit interrupt
HAR	har	Highway advisory radio
HEX	hex	Hexagonal
HPS	hps	High pressure sodium
IISNS	iisns	Internally illuminated street name sign
ISL	isl	Induction sign lighting
LED	led	Light emitting diode
LMA	lma	Luminaire mast arm
LPS	lps	Low pressure sodium
LTG	ltg	Lighting
LUM	lum	Luminaire
MAT	mat	Mast arm mounting vehicle signal faces, top attachment
MAS	mas	Mast arm mounting vehicle signal faces, side attachment
MAS-4A	mas-4A	Mast arm mounting vehicle signal faces, side attachment - 4 signal section
MAS-4B	mas-4B	
MAS-4C	mas-4C	
MAS-5A	mas-5A	Mast arm mounting vehicle signal faces, side attachment - 5 signal section
MAS-5B	mas-5B	
MC	mc	Mercury contactor
M/M	m/m	Multiple to multiple transformer
MT	mt	Conduit with pull wire or rope only
MTG	mtg	Mounting
	mv	Mercury vapor lighting fixture
N	N	Neutral (Grounded Conductor)
NC	NC	Normally closed
NO	NO	Normally open
PB	pb	Pull box
PEC	pec	Photoelectric control (Type I, II, III, IV or V as shown)
PED	ped	Pedestrian
PEU	peu	Photoelectric unit
PPB	ppb	Pedestrian push button
RL		Relocated equipment
RM	rm	Ramp metering
SB	sb	Slip base
SIC	sic	Signal interconnect cable
SIG	sig	Signal
SMA	sma	Signal mast arm
SNS	sns	Street name sign
SP	sp	Service point
TDC	tdc	Telephone demarcation cabinet
TMS	tms	Traffic monitoring station
TOS	tos	Traffic Operations System
VEH	veh	Vehicle
XFMR	xfmr	Transformer
COMM	comm	Communication
RWIS	rwis	Roadway weather information system

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		17	69

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

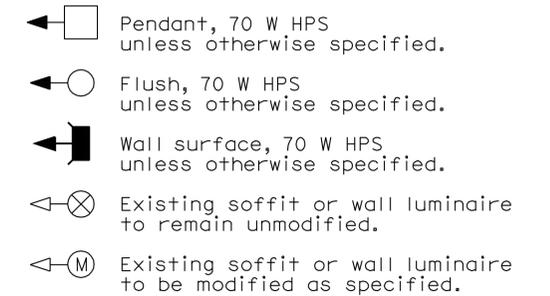
October 5, 2007
PLANS APPROVAL DATE

Jeffery G. McRae
No. E14512
Exp. 6-30-08
ELECTRICAL
STATE OF CALIFORNIA

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

To accompany plans dated 6-13-11

SOFFIT AND WALL MOUNTED LUMINAIRES



NOTE:

Arrow indicates "street side" of luminaire.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1A DATED OCTOBER 5, 2007 SUPERSEDES STANDARD PLAN ES-1A DATED MAY 1, 2006 - PAGE 400 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1A

2006 REVISED STANDARD PLAN RSP ES-1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		18	69

Jeffery G. McRae
 REGISTERED ELECTRICAL ENGINEER
 October 5, 2007
 PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
 Jeffrey G. McRae
 No. E14512
 Exp. 6-30-08
 ELECTRICAL
 STATE OF CALIFORNIA

To accompany plans dated 6-13-11

CONDUIT

PROPOSED	EXISTING	
		Lighting Conduit, unless otherwise indicated or noted
		Traffic signal conduit
		Communication conduit
		Telephone conduit
		Fire alarm conduit
		Fiber optic conduit
		Conduit termination
		Conduit riser in/on structure or service pole

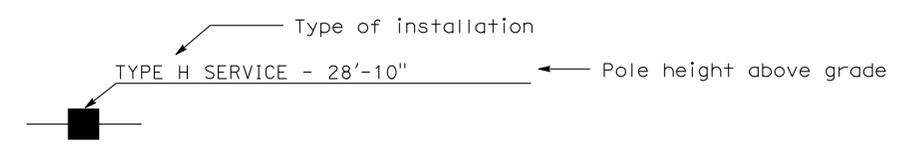
SIGNAL EQUIPMENT

PROPOSED	EXISTING	
		Pedestrian signal face
		Pedestrian push button post
		Pedestrian barricade
		Vehicle signal face (with backplate, 3-Section: red, yellow and green)
		Vehicle signal face with angle visors
		Modifications of basic symbols: "L" indicates all non-arrow sections louvered "LG" indicates louvered green section only "PV" indicates 12" programmed visibility sections "8" indicates all 8" sections (only when specified)
		Type 15TS and Vehicle signal face
		Vehicle signal face with red, yellow and green left arrow sections
		Vehicle signal face with red and yellow sections and up green arrow
		Vehicle signal face (5 Section) with red, yellow and green sections and yellow and green right arrows
		Type 1 Standard and attached vehicle signal faces
		Standard with signal mast arm only and attached vehicle signal faces and internally illuminated street name sign
		Type 33 Standard, Left-turn vehicle signal face and sign
		Standard with luminaire and signal mast arms and attached vehicle signal faces
		Cantilever flashing beacon Type 9 Frame, with a sign unless otherwise specified or indicated
		Type 15-FBS Standard with two vehicle signal face sections with lens, backplate and visor with a sign
		Flashing beacon. One vehicle signal face section with lens, backplate and visor. "R" indicates red indication, "Y" indicates yellow indication
		Controller assembly. Door indicates front of cabinet

SERVICE EQUIPMENT

PROPOSED	EXISTING	
		Overhead lines
		Wood pole "U" indicates utility owned
		Pole guy with anchor
		Utility transformer - ground mounted
		Service equipment enclosure type
		Service equipment enclosure door indicates front of enclosure
		Telephone demarcation cabinet

POLE-MOUNTED SERVICE DESIGNATION



ILLUMINATED OVERHEAD SIGN

PROPOSED	EXISTING	
		Overhead sign - Single post
		Overhead sign - Two post
		Overhead sign - Mounted on structure
		Overhead sign with electrolier

SIGNAL EQUIPMENT Cont

PROPOSED	EXISTING	
		Guard post
		Type 1 Standard with "Meter On" sign
		Emergency Vehicle detector

NOTES:

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

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

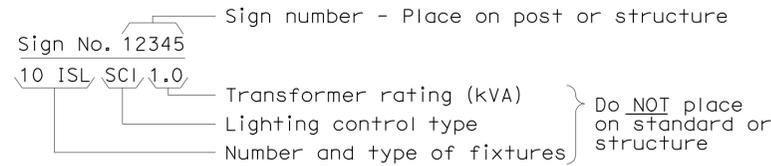
RSP ES-1B DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1B
 DATED MAY 1, 2006 - PAGE 401 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1B

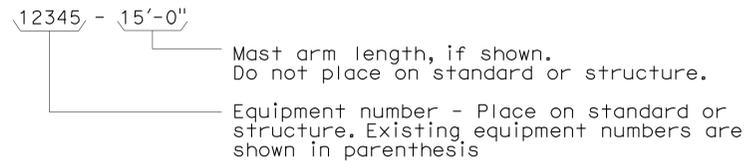
2006 REVISED STANDARD PLAN RSP ES-1B

EQUIPMENT IDENTIFICATION

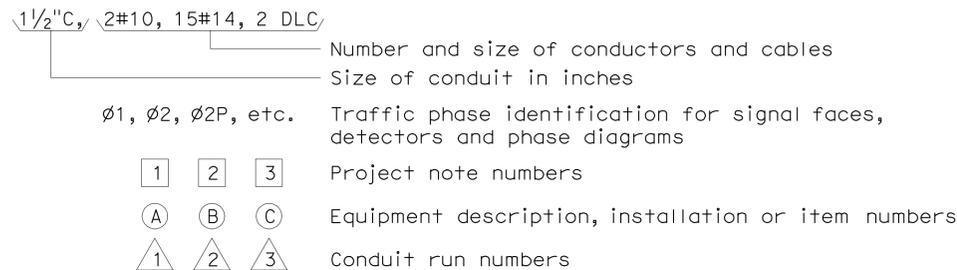
ILLUMINATED SIGN IDENTIFICATION NUMBER:



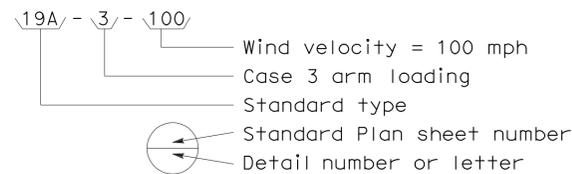
ELECTROLIER OR EQUIPMENT IDENTIFICATION NUMBER:



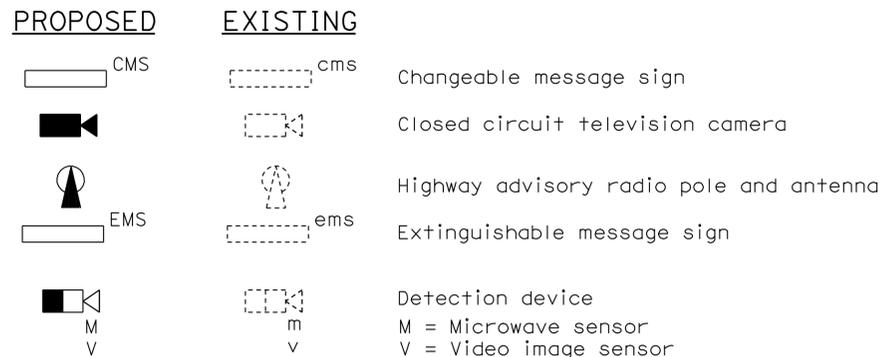
CONDUIT AND CONDUCTOR IDENTIFICATION:



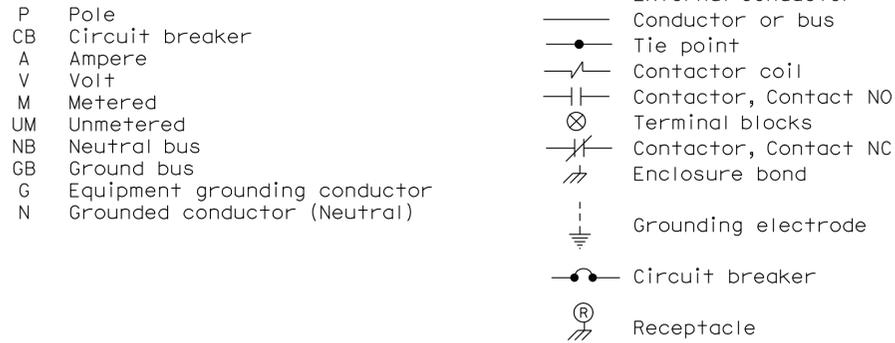
SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):



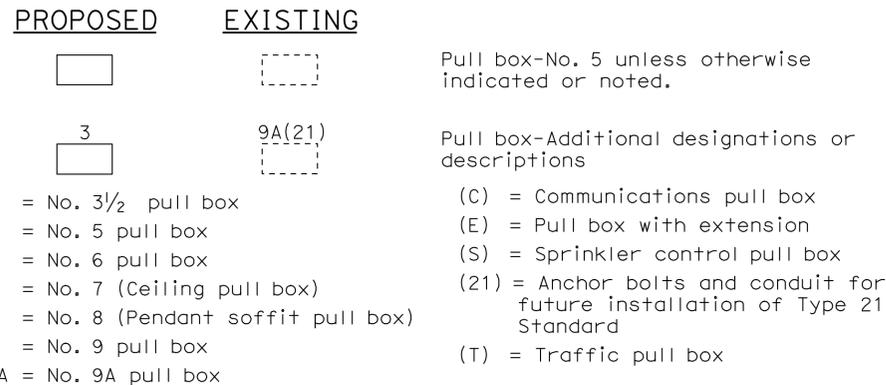
MISCELLANEOUS EQUIPMENT



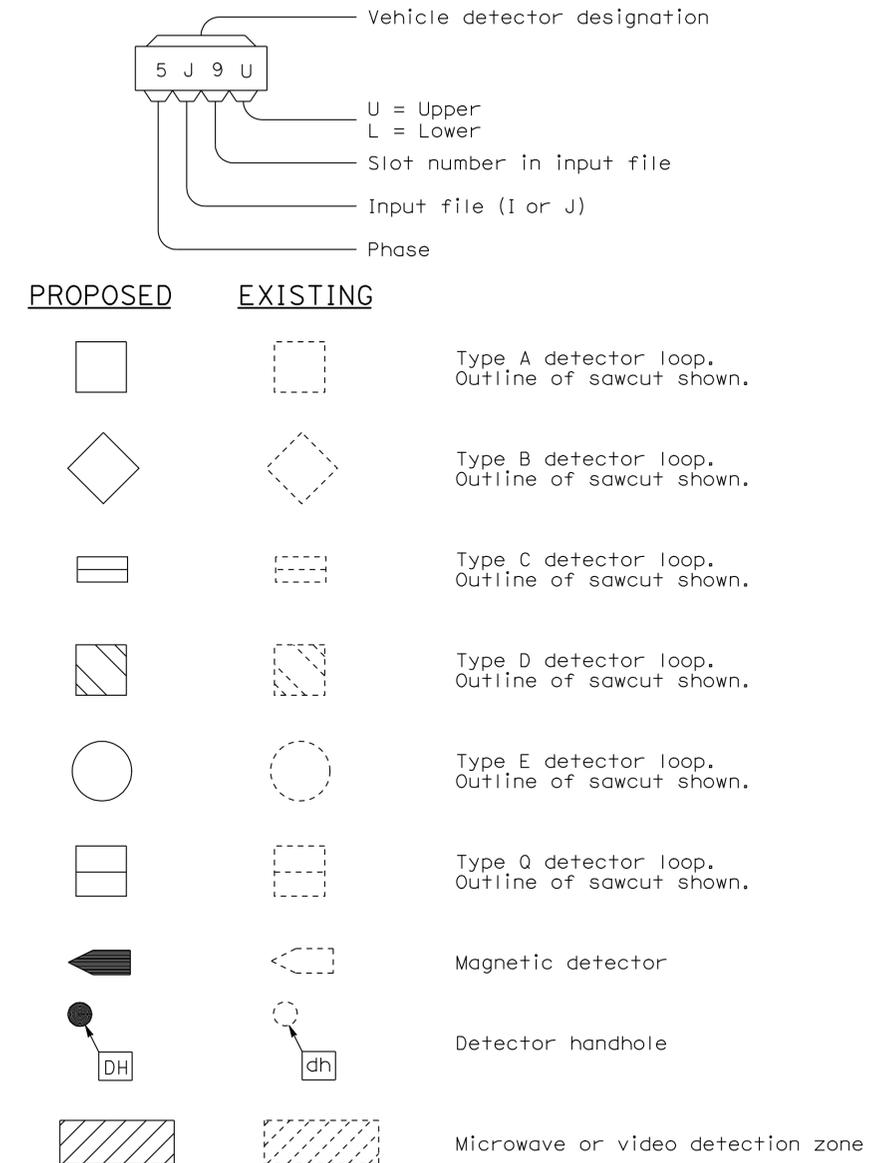
WIRING DIAGRAM LEGEND



PULL BOXES



VEHICLE DETECTORS



STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1C DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1C
 DATED MAY 1, 2006 - PAGE 402 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1C

2006 REVISED STANDARD PLAN RSP ES-1C

INDEX OF SHEETS

ARCHITECTURAL

- GP-1 GENERAL PLAN
- GP-2 DEMOLITION PLAN
- A-0.1 ARCHITECTURAL ABBREVIATIONS, SYMBOLS
- A-0.3.1 ACCESSIBILITY STANDARD DETAILS
- A-0.3.2 ACCESSIBILITY STANDARD DETAILS
- A-1.1 PLANS AND ELEVATIONS
- A-1.2 BUILDING SECTION AND DETAILS

STRUCTURAL

- ST-1 LEGEND
- ST-1A WOOD FRAMING STANDARD - NOTES
- ST-1B WOOD FRAMING STANDARD - DETAILS
- ST-2 CONCRETE STANDARD
- STI-0 DESIGN CRITERIA AND DETAIL NOTES
- STI-1 FOUNDATION PLAN
- STI-2 ROOF FRAMING PLAN
- STI-3 BUILDING SECTION AND FOUNDATION DETAILS
- STI-4 ROOF FRAMING DETAILS

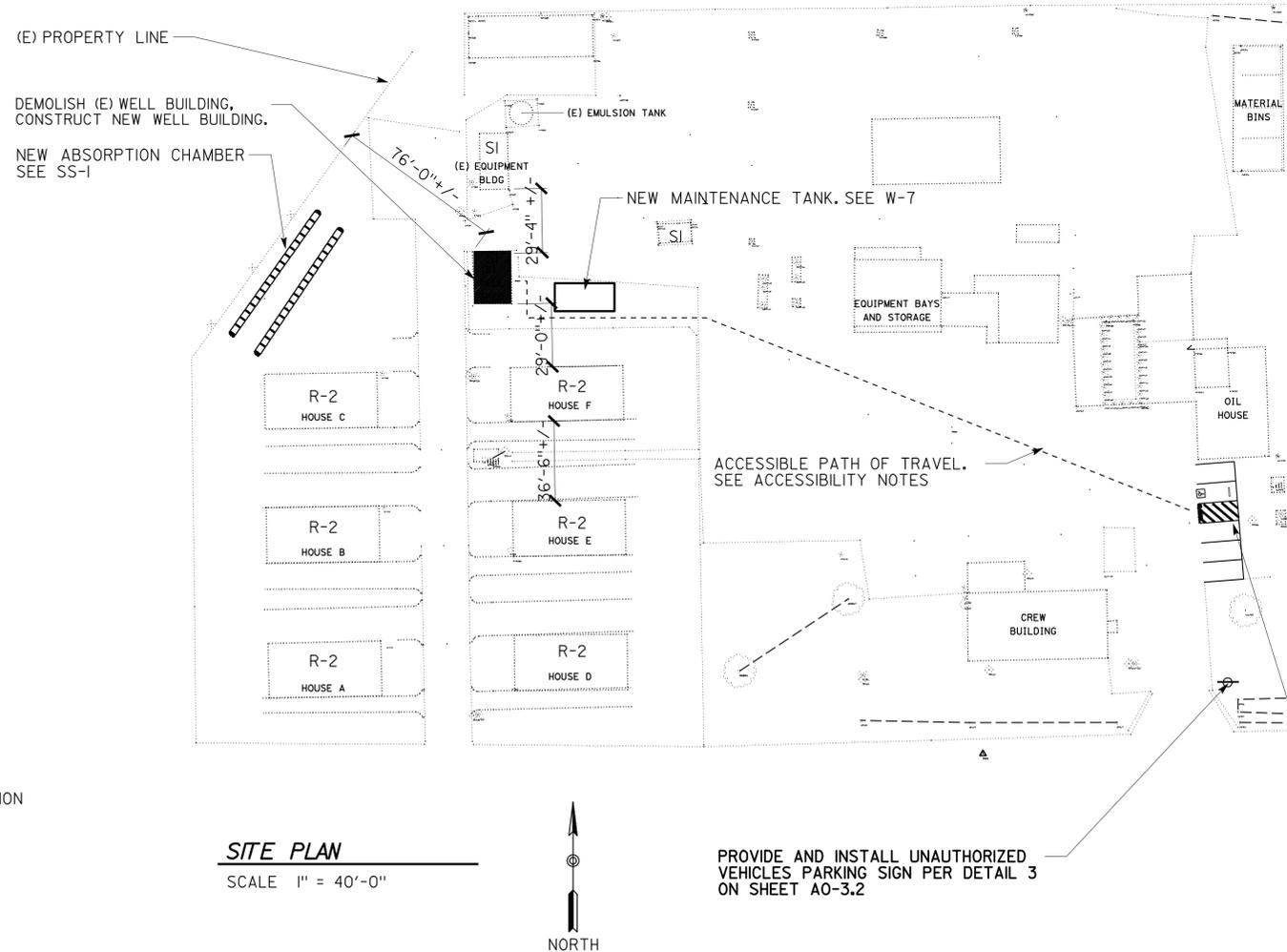
ELECTRICAL

- EE-0 LEGEND
- EE-1 EXISTING SITE PLAN
- EE-2 MODIFIED SITE PLAN
- EE-3 EXISTING WELL SHED POWER AND LIGHTING PLAN
- EE-4 MODIFIED WELL SHED POWER AND LIGHTING PLAN
- EE-5 WELL PUMP CONTROLLER SCHEMATIC
- EE-6 IRRIGATION WATER BOOSTER PUMP CONTROL SCHEMATIC
- EE-7 PANEL T SCHEDULE
- EE-8 EXISTING EQUIPMENT BUILDING POWER AND LIGHTING PLAN
- EE-9 MODIFIED EQUIPMENT BUILDING POWER AND LIGHTING PLAN
- EE-10 REVERSE OSMOSIS CONTROL PANEL SCHEMATIC
- EE-11 REVERSE OSMOSIS CONTROL PANEL ENCLOSURE DETAILS
- EE-12 TREATED WATER BOOSTER PUMP NO. 3 AND 4 CONTROL PANEL SCHEMATIC
- EE-13 PANEL V SCHEDULE
- EE-14 MAINTENANCE TANKS POWER PLAN
- EE-15 CREW BUILDING PLAN

WATER SUPPLY

- SS-0 NOTES, LEGENDS, AND ABBREVIATIONS
- SS-1 MODIFIED SITE PLAN
- SS-2 DETAILS
- W-0 NOTES, LEGENDS, AND ABBREVIATIONS
- W-1 EXISTING SITE PLAN
- W-2 MODIFIED SITE PLAN
- W-3 WELL SHED REMOVAL PLAN
- W-4 NEW WELLSHED PLAN
- W-5 EXISTING EQUIPMENT BUILDING PLAN
- W-6 MODIFIED EQUIPMENT BUILDING PLAN
- W-7 MAINTENANCE TANK PLAN
- W-8 REHABILITATE WELL AND MODIFY WELLHEAD
- W-9 RAW WATER STORAGE TANK ELEVATION
- W-10 TREATED WATER STORAGE TANK ELEVATION
- W-11 MAINTENANCE WATER STORAGE TANK ELEVATION
- W-12 PRESSURE TANK AND DETAILS
- W-13 DETAILS
- W-14 DETAILS

BUILDING DATA				
THE BUILDING WORK ON THIS PROJECT HAS BEEN DESIGNED TO CONFORM TO THE 2007 TITLE 24 CALIFORNIA BUILDING STANDARDS CODE.				
BUILDING NAME	BUILDING AREA	ALLOWABLE AREA	CONSTRUCTION TYPE	OCCUPANCY GROUP
WELL SHED	384 SQ FT	9000 SQ FT (PER CBC SECT 503.1.2 TABLE 503) (AREA COMPLIES)	V-B	S-1
BUILDING INFORMATION				
NUMBER OF STORIES: 1				
OCCUPANT LOAD: 4				
BUILDING HEIGHT: 15'-0" +/- AT ROOF HIGH POINT				
FIRE SPRINKLER SYSTEM: NO				
FIRE ALARM SYSTEM: NO				
OTHER FIRE PROTECTION: NONE				
SMOKE CONTROL SYSTEM: NONE				
ALLOWABLE HEIGHT: 40'-0"				



SITE PLAN

SCALE 1" = 40'-0"



PROVIDE AND INSTALL UNAUTHORIZED VEHICLES PARKING SIGN PER DETAIL 3 ON SHEET A0-3.2

CONVERT ONE (E) PARKING TO A SINGLE STALL, VAN ACCESSIBLE PARKING STALL W/ 8'-0" WIDE MIN. ACCESS AISLE, STRIPING, PARKING BUMPER, AND VAN ACCESSIBLE SIGNAGE. SEE DETAILS ON SHEETS A0-3.1 AND A0-3.2.

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		20	69

6-13-11
PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA	CALIFORNIA STATE FIRE MARSHAL APPROVED
PROJECT ID 08000005391	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: Date: 12-16-10	Reviewed by: Approval date: 12-20-10

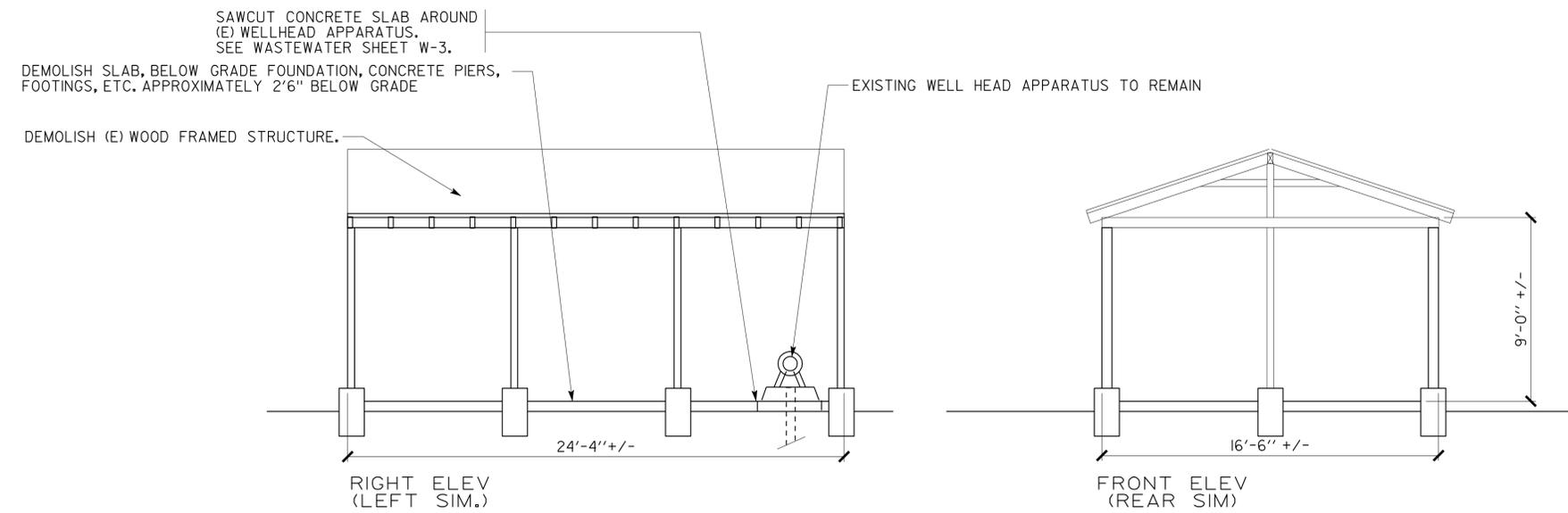
ACCESSIBILITY NOTES

1. PEDESTRIAN PATH OF TRAVEL (POT) FROM SITE ENTRANCE ON PROPERTY LINE TO NEW WELL BUILDING AND NEW MAINTENANCE TANK IS NOT REQUIRED TO BE IN THE SCOPE OF WORK, AS NO PUBLIC TRANSPORTATION IS AVAILABLE ON THE ADJACENT STREET, AND THE SITE IS AT A REMOTE AND ISOLATED LOCATION THAT THE ADJACENT STREET IS WITHOUT ANY SIDEWALK. ALL USERS AND ANY VISITORS SHALL ARRIVE BY VEHICLES ONLY.
2. POTS FROM ACCESSIBLE VAN PARKING TO ALL (E) BLDGS./ FACILITIES ARE NOT REQUIRED TO BE INCLUDED IN THE SCOPE OF WORK.
3. POTS FROM NEW WELL BLDG. AND NEW MAINTENANCE TANK TO ALL (E) BLDGS./ FACILITIES ARE NOT REQUIRED TO BE INCLUDED IN THE SCOPE OF WORK.
4. POTS CONNECTING ALL (E) BLDGS./ FACILITIES ARE NOT REQUIRED TO BE INCLUDED IN THE SCOPE OF WORK.
5. POT TO NEW LEACH FIELD/ ABSORPTION CHAMBERS IS NOT REQUIRED TO BE INCLUDED IN THE SCOPE OF WORK, AS ANY LEACH FIELD SHALL NOT BE PAVED OVER PER 2007 CA. PLUMBING CODE.
6. POTS INDICATED AT GENERAL PLAN SHALL BE THE MOST PRACTICAL DIRECT ROUTE FROM ACCESSIBLE VAN PARKING TO NEW WELL BLDG. AND NEW MAINTENANCE TANK. EXACT LOCATION OF POT SHALL BE DETERMINED BY THE FIELD ENGINEER. THE CONTRACTOR SHALL VERIFY AND REMOVE ANY BARRIERS AT POT TO COMPLY WITH ALL THE ITEMS BELOW.
7. POT SURFACE SHALL BE FIRM, STABLE, SLIP-RESISTANT, W/O LOOSE GRAVEL, SAND, CHIPS, ETC. ANY PLANTER/GRATE/COVER IN OR ADJACENT TO POTS SHALL REQUIRE EDGE PROTECTION OF MIN. 6" HIGH CURB IF LEVEL CHANGE BETWEEN POT AND PLANTER/GRATE/COVER EXCEEDS 4" .
8. IF POT IS LESS THAN 60" WIDE, THEN PASSING SPACE AT LEAST 60" X 60" SHALL BE LOCATED AT REASONABLE INTERVALS NOT TO EXCEED 200'.
9. POTS SHALL BE MIN. 48" WIDE, HAVE MIN. 80" HEAD CLEARANCE, MAX. 5% SLOPE IN THE DIRECTION OF TRAVEL, MAX. 2% CROSS SLOPE, MAX. 1/2" LEVEL CHANGE W/MAX. 1:2 SLOPE, AND ANY LEVEL CHANGE NOT EXCEEDING 1/4" MAY BE VERTICAL. ANY LEVEL CHANGE EXCEEDS 1/2" OR ANY SLOPE IN THE DIRECTION OF TRAVEL EXCEEDS 5% SHALL BE ACCOMMODATED BY CODE-COMPLIANT CURB RAMP OR RAMP, RESPECTIVELY.
10. ANY REPAIR WORK AT (E) PAVEMENT ON SITE IS SUBJECT TO THE REQUIREMENTS IN ITEM 9 ABOVE.
11. LEVEL CHANGE AT THE OPENING OF NEW WELL BLDG. SHALL BE MAX. 1/2" W/MAX. 1:2 SLOPE. ANY LEVEL CHANGE NOT EXCEEDING 1/4" MAY BE VERTICAL.
12. AISLES FORMED BY EQUIPMENT / STORED MATERIALS / WALLS AT NEW WELL BLDG. AND (E) BLDGS. HAVING MODIFIED EQUIPMENT SHALL BE MIN. 36" WIDE IF SERVING ONE SIDE, AND MIN. 44" WIDE IF SERVING BOTH SIDES.
13. DUE TO SPACE LIMITATION AND EQUIPMENT LAYOUT, SOME ACCESS AISLES ARE LESS THAN 36" WIDE, AND MAY BE EXEMPT FROM ITEM 12 ABOVE PER 2007 CBC SEC. 1103B EXCEPTION 1 UNDER "VERY NARROW PASSAGeways".
14. PROPOSED MODIFICATION WORK AT (E) BLDGS./ FACILITIES ARE NOT CONSIDERED ALTERATION WORK THAT WOULD TRIGGER OTHER ACCESSIBILITY REQUIREMENTS PER 2007 CBC SEC. 1134B.2.1 EXCEPTION 4 AND 1991 ADAAG 4.1.6(1)(1), HOWEVER, PLACEMENT OF NEW EQUIPMENT IS SUBJECT TO THE REQUIREMENTS IN ITEMS 12 AND 13 ABOVE.

 DESIGN SUPERVISOR DESIGN ARCHITECT	DESIGNER LANI RHOADES DRAWN BY LANI RHOADES	CHECKED BY STRUCTURAL REVIEW	SHEET LEGEND A-1 ARCHITECTURAL ST-1 STRUCTURAL M-1 MECHANICAL EE-1 ELECTRICAL W-1 WATER SUPPLY SS-1 SANITARY	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 56M5706 POST MILE 105.5	DESERT CENTER M.S. GENERAL PLAN	SHEET OF GP-1	
q_gd_1.dgn TAEMWW Imperial Rev. 7/10		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3	UNIT PROJECT NUMBER & PHASE 2341 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) - -07 XX-XX-XX	SHEET OF X X a_gp_1.dgn

17-JUN-2011 14:16

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		21	69
 LICENSED ARCHITECT			DATE 6-13-11 PLANS APPROVAL DATE		
					
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1 EXISTING BUILDING DEMOLITION
 SCALE 1/4" = 1'-0"

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 08000005391 Reviewed by:  Date: 12-16-10	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: _____ Approval date: _____
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 DESIGN SUPERVISOR DESIGN ARCHITECT	DESIGNER LANI RHOADES DRAWN BY LANI RHOADES	CHECKED BY: STRUCTURAL REVIEW	SHEET LEGEND A-I ARCHITECTURAL ST-I STRUCTURAL M-I MECHANICAL EE-I ELECTRICAL W-I WATER SUPPLY SS-I SANITARY	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 56M5706 POST MILE 105.5	DESERT CENTER M.S. GENERAL PLAN DEMOLITION PLAN	SHEET GP-2
q_gp_2.dgn TAEMWW Imperial Rev. 7/10 17-JUN-2011 14:16		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT PROJECT NUMBER & PHASE 2341 08000005391		DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES (PRELIMINARY STAGE ONLY) - -07 XX-XX-XX		SHEET OF X X

17-JUN-2011 14:16

ARCHITECTURAL ABBREVIATIONS

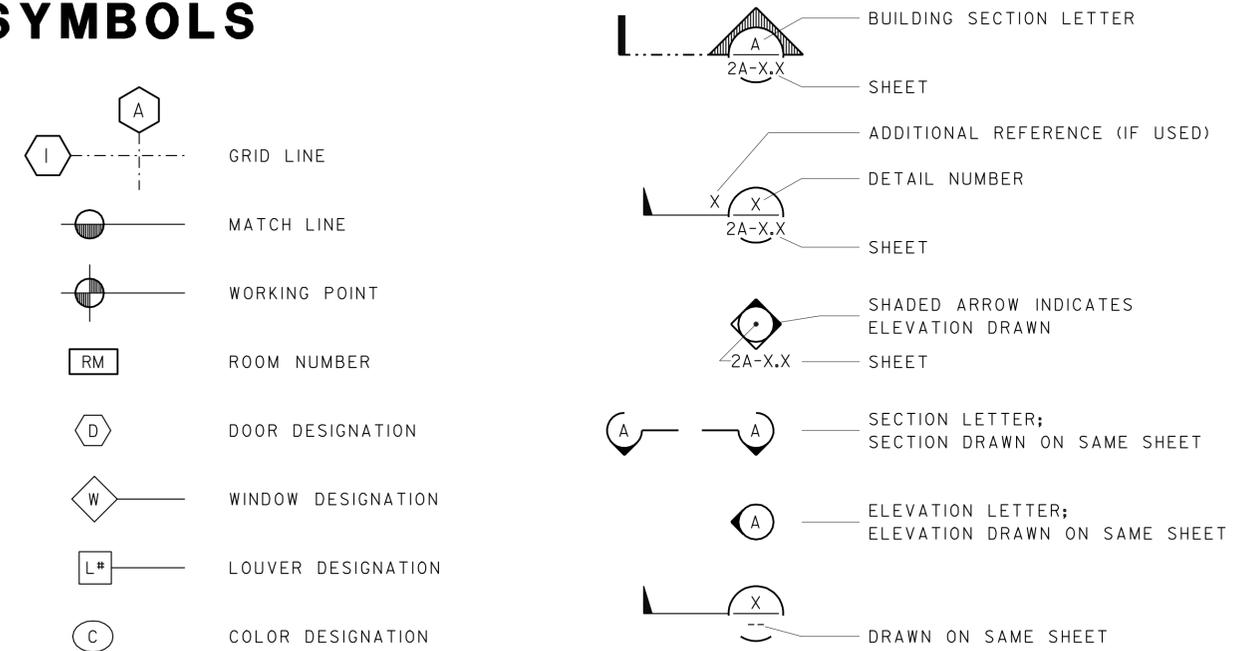
& L ∅ ◻ d °	AND ANGLE CENTER LINE DIAMETER OR ROUND SQUARE PENNY DEGREE	EPB EQUIP ESCL ETW EWC EXP EXPO EXT	ELECTRICAL PANELBOARD EQUIPMENT ESCALATOR EDGE OF TRAVEL WAY ELECTRIC WATER COOLER EXPANDED, EXPOSURE EXTERIOR	LPG LIQUIFIED PETROLEUM GAS LAG SCREW LS M MAT MAX MB MBR MECH MEMB MET MFR MH MIN MIR MISC MIW mm MO MTD MUL	METER MATERIAL MAXIMUM MACHINE BOLT MEMBER MECHANICAL MEMBRANE METAL MANUFACTURER MAN HOLE MINIMUM MIRROR MISCELLANEOUS MALLEABLE IRON WASHER MILLIMETER MASONRY OPENING MOUNTED MULLION	S SC SCHED SD SDST SF SH SHWR SHT SHTG SIM SL SMS SOHD SPEC SPS SQ SRRA SS SST STA STAG STD STL STOR STRUC SUSP T T&G TB TEL TEMP TER THK THLD TJ TKBD TN TNVM TOC TOS TOT TOW TS TSCD TTD TTY TYP UNF UON UR VAR VCT VERT VEST VR VTR	SOUTH SOLID CORE SCHEDULE SOAP DISPENSER SELF DRILLING SELF TAPPING SQUARE FEET SHELF SHOWER SHEET SHEATHING SIMILAR SCORE LINE SHEET METAL SCREW SECTIONAL OVERHEAD DOOR SPECIFICATION STRUCTURAL PLYWOOD SHEATHING SQUARE SAFETY ROADSIDE REST AREA SERVICE SINK STAINLESS STEEL STATION STAGGER STANDARD STEEL STORAGE STRUCTURAL SUSPENDED
A/C AC AB ABV ACOUS ADJ ALT ALUM APA ARCH ASPH BD BIT BLDG BLK BLKG BM BN BOT BR BTM BTWN BUR CJ CL CAB CB CEM CER CH CIDH CIP CKBD CLG CMU CLO CLR COL CONC CONN CONST CONT CORR CPT CT CTR CTSK CY DBL DEPT DET DF DIA DIM DN DP DR DS DWG DWR (E) E EA EF EHD EJ EL ELEC ELEV ELVR EMER ENCL EP EQ	AIR CONDITIONING ASPHALT CONCRETE ANCHOR BOLT ABOVE ACOUSTICAL ADJUSTABLE ALTERNATE ALUMINUM AMERICAN PLYWOOD ASSOCIATION ARCHITECTURAL, ARCHITECT ASPHALT BOARD BITUMINOUS BUILDING BLOCK BLOCKING BEAM BOUNDARY NAILING BOTTOM BRIDGE BOTTOM BETWEEN BUILT-UP-ROOFING CONTROL JOINT CHAIN LINK CABINET CATCH BASIN CEMENT CERAMIC CLOTHES HOOK CAST IN DRILLED HOLE CAST IN PLACE CHALKBOARD CEILING CONCRETE MASONRY UNIT CLOSET CLEAR COLUMN CONCRETE CONNECTION CONSTRUCTION CONTINUOUS CORRIDOR CARPET CERAMIC TILE CENTER COUNTERSUNK CUBIC YARD DOUBLE DEPARTMENT DETAIL DOUGLAS FIR DIAMETER DIMENSION DOWN DEEP DOOR DOWNSPOUT DRAWING DRAWER EXISTING EAST EACH EXHAUST FAN ELECTRIC HAND DRYER EXPANSION JOINT ELEVATION (HEIGHT) ELECTRICAL ELEVATION (VIEW) ELEVATOR EMERGENCY ENCLOSURE EDGE OF PAVEMENT EQUAL	FD FDN FE FEC FF FG FH FHC FHMS FHWS FIN FJ FLASH FLR FLUOR FOC FOF FOM FOG FRMG FRPP FT FTG FURR FWY GA GAL GALV GB GI GL GLM GLZ GR GSM GYP GYP SHTG HB HC HD HDR HDWD HDWR HEX HF HGR HM HORIZ HP HR HSB HT HVAC HWY ID IN INFO INSUL INT JAN JB JH JST JT KIT LAB LAV LBS LF LKR LLV LOL	FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FINISH FLOOR FINISH GRADE FIRE HYDRANT FIRE HOSE CABINET FLATHEAD METAL SCREW FLATHEAD WOOD SCREW FINISH FLOOR JOIST FLASHING FLOOR FLUORESCENT FACE OF CONCRETE FACE OF FINISH FACE OF MASONRY FACE OF STUD FRAMING FIBERGLASS REINFORCED PLASTIC PANEL FEET, FOOT FOOTING FURRING FREEWAY GAUGE GALLON GALVANIZED GRAB BAR GALVANIZED IRON GLASS GLUE LAMINATED MEMBER GLAZING GRADE GALVANIZED SHEET METAL GYPSUM GYPSUM SHEATHING HOSE BIB HOLLOW CORE HEAD, HOLD DOWN HEADER HARDWOOD HARDWARE HEXAGONAL HEMLOCK-FIR HANGER HOLLOW METAL HORIZONTAL HIGH POINT HOUR HIGH STRENGTH BOLT HEIGHT HEATING, VENTILATING, AIR CONDITIONING HIGHWAY INSIDE DIAMETER INCH INFORMATION INSULATION INTERIOR JANITOR JUNCTION BOX JOIST HANGER JOIST JOINT KITCHEN LABORATORY LAVATORY POUNDS LINEAR FEET LOCKER LONG LEG VERTICAL LAYOUT LINE	OBSC OC OD OFF OFD OG OH OHD OHS OP OPNG OPP OPT P PB PC PCC PDF PH PL PLAM PLAS PLYWD PMF PR PRTN PT PTD PTD/R PVC PWB QT (R) R R/W RD RDWD REF REFG REINF REQ RFG RFSWN RH RHWS RJ RM RO RSWN RTE RW RWL	OBSCURE ON CENTER OUTSIDE DIAMETER OFFICE OVERFLOW DRAIN ORIGINAL GROUND OPPOSITE HAND OVERHEAD OVALHEAD WOOD SCREW OPERATIONS OPENING OPPOSITE OPTION, OPTIONAL PITCH POST BASE POST CAP PORTLAND CEMENT CONCRETE POWDER DRIVEN FASTENERS PHILLIPS HEAD PLATE PLASTIC LAMINATE PLASTER PLYWOOD PRESSED METAL FRAME PAIR PARTITION POINT PAPER TOWEL DISPENSER PAPER TOWEL DISPENSER /RECEPTACLE POLYVINYL CHLORIDE PREFABRICATED WOOD I BEAM QUARRY TILE RELOCATED RADIUS, RISER RIGHT OF WAY ROOF DRAIN REDWOOD REFERENCE REFRIGERATOR REINFORCED(ING) REQUIRED ROOFING ROUGHSAWN ROUND HEAD ROUND HEAD WOOD SCREWS ROOF JOIST ROOM ROUGH OPENING RESAWN ROUTE RETAINING WALL RAINWATER LEADER		

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL CONTROLLING DIMENSIONS AND FIELD CONDITIONS BEFORE ORDERING OR FABRICATING ANY MATERIALS OR ASSEMBLIES.
2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL MEASUREMENTS OR FIELD CONDITIONS.

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 08000005391 Reviewed by: Date: 12-16-10	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: Approval date: 12-20-10
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SYMBOLS

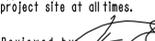


DESIGN SUPERVISOR	DESIGNER CHRIS HANSEN	CHECKED BY BILL BARNETT	SHEET LEGEND A-I ARCHITECTURAL ST-I STRUCTURAL M-I MECHANICAL EE-I ELECTRICAL W-I WATER SUPPLY SS-I SANITARY	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 56M5706 POST MILE 105.5	DESERT CENTER M.S. ARCHITECTURAL ABBREVIATIONS, SYMBOLS	SHEET A0-1
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3				UNIT PROJECT NUMBER & PHASE 2341 08000005391		REVISION DATES (PRELIMINARY STAGE ONLY) -07 XX-XX-XX		SHEET OF X X

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		23	69

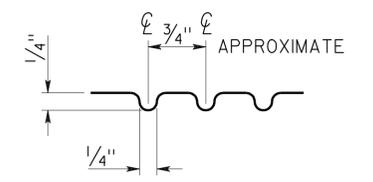
 LICENSED ARCHITECT		01-02-10 DATE	
6-13-11 PLANS APPROVAL DATE			

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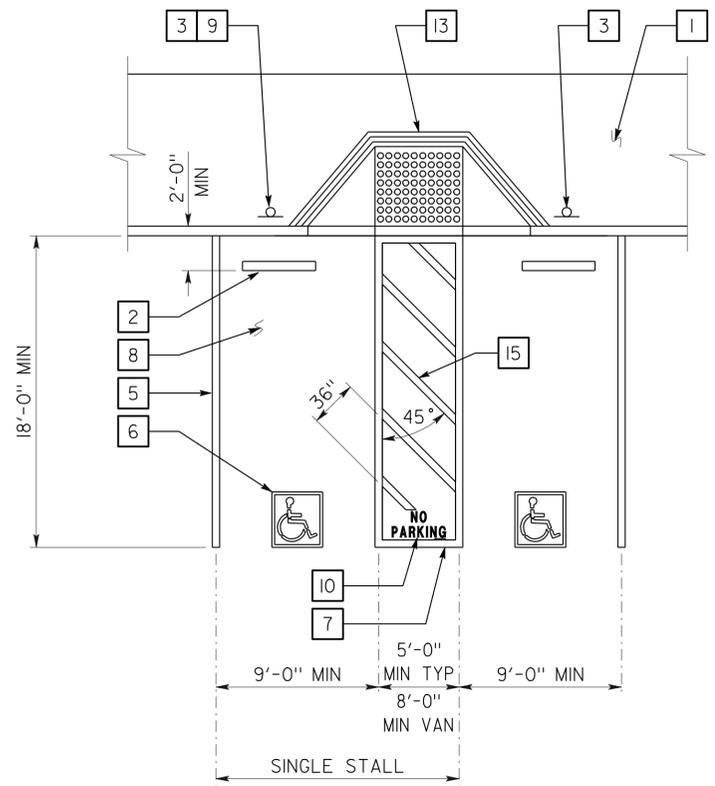
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 08 000005 391	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
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KEYED NOTE LEGEND FOR DETAILS 1 & 2

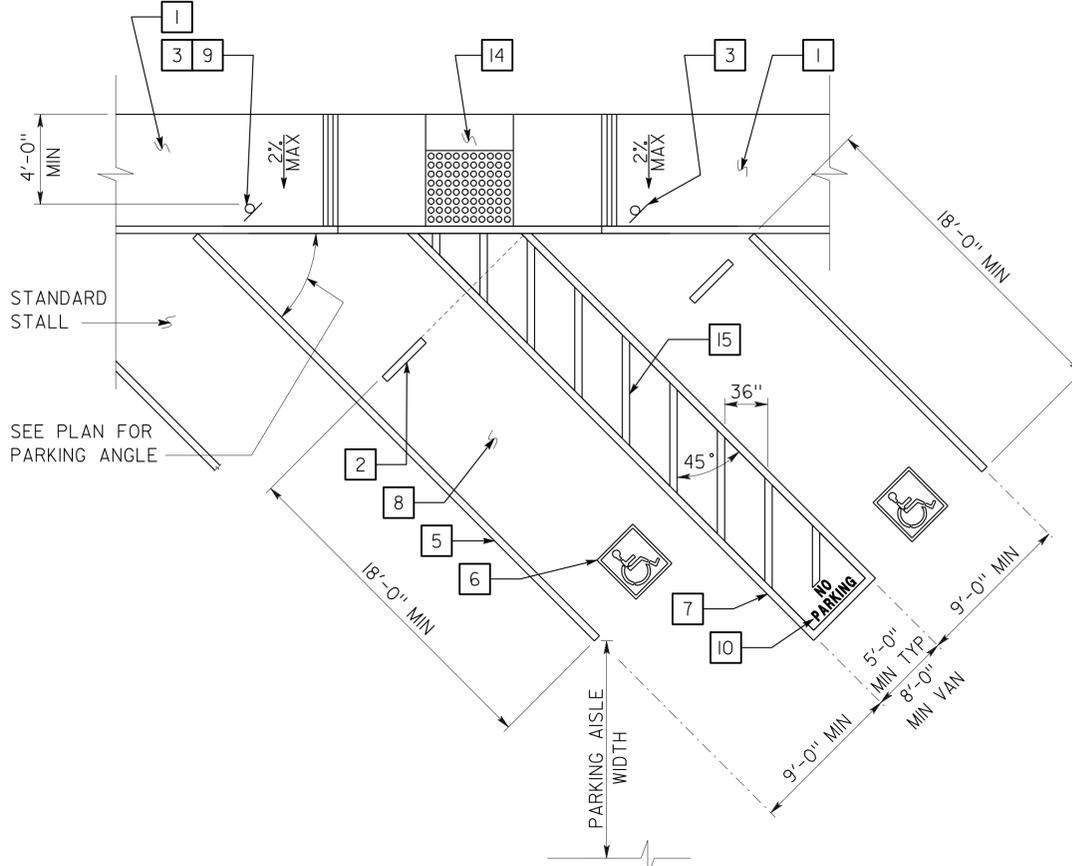
- CONCRETE WALKWAY (WHERE OCCURS) SEE PLANS FOR WIDTH, LAYOUT (MAY VARY), FINISH, JOINTS AND ELEVATIONS.
- PARKING BUMPER (AWAY FROM ACCESS AISLE). SEE SPECIFICATIONS.
- ACCESSIBLE PARKING SPACE SIGNAGE SEE DETAIL 1 ON SHEET AO-3.2.
- 1" WIDE GROOVED BORDER ON LEVEL SURFACE TYP AT RAMP PERIMETER. SEE 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 AO-3.2.
- 4" WIDE BLUE BORDER DESIGNATION NON-PARKING ACCESS AISLE TO CURB RAMP
- MAXIMUM SLOPE ON PARKING STALL PAVED AREA TO BE 2%.
- VAN ACCESSIBLE SIGNAGE. SEE DETAIL 2 ON SHEET AO-3.2. ACCESS AISLE SHALL BE ON PASSENGER SIDE ONLY.
- "NO PARKING" IN MIN 12" HIGH WHITE LETTERS TO BE PLACED WITHIN ACCESS AISLE TO CURB RAMP SEE DETAIL 7 ON SHEET AO-3.2.
- LEVEL LANDING - 2% MAX SLOPE W/ 36" DEEP DETECTABLE WARNINGS ADJOINING ACCESS AISLE OR VEHICULAR WAY. SEE DETAIL 6 ON THIS SHEET
- DETECTABLE WARNING TO EXTEND FULL WIDTH AND DEPTH OF CURB RAMP. SEE DETAIL 6 ON THIS SHEET.
- 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 WHITE HATCHED LINES TO CONTRAST WITH ASPHALT SURFACE. USE BLUE HATCHED LINES FOR LIGHT-COLOR CONCRETE SURFACE.



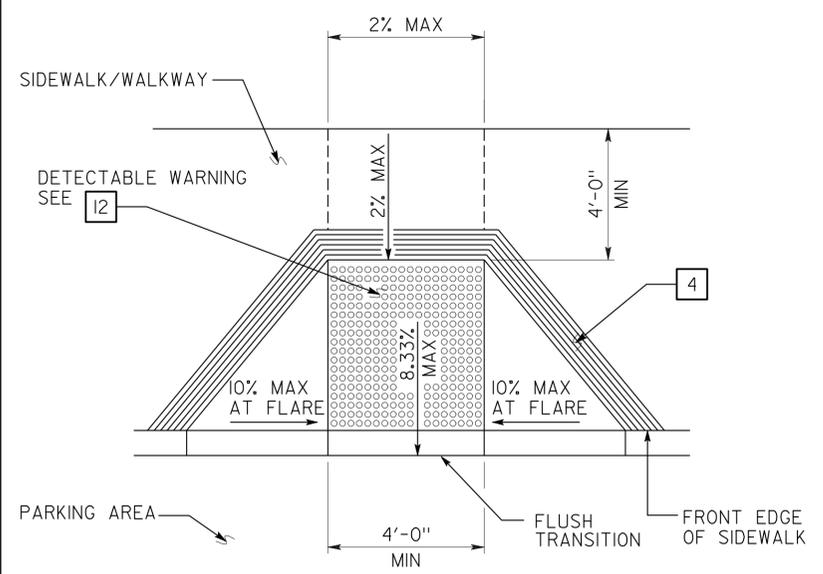
3 GROOVE DETAIL



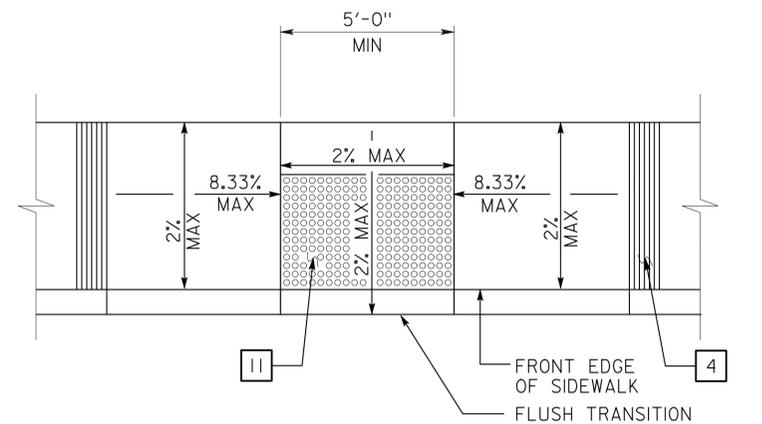
1 ACCESSIBLE PARKING STALL



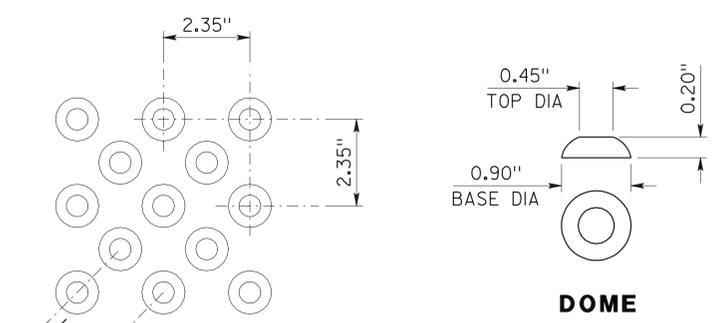
2 DIAGONAL ACCESSIBLE PARKING STALL
SEE PLAN FOR ANY VARIATION OF DIAGONAL PARKING



4 PERPENDICULAR CURB RAMP



5 PARALLEL CURB RAMP



6 DETECTABLE WARNING - TRUNCATED DOMES

OFFSET PATTERN SHOWN MAY BE RE-ORIENTED INTO IN-LINE PATTERN WHERE DOMES ARE ALIGNED IN THE DIRECTION OF TRAVEL. DOME DIMENSIONS ARE NOMINAL, WHICH MAY BE WITHIN ±0.05" FOR DOME SPACING, AND ±0.02" FOR OTHERS.

DETAILS
NO SCALE UNLESS OTHERWISE NOTED

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

FILE NO. 01-10	DESIGN BY D. ALSEY	CHECKED Y.A. WANG	APPROVED 
DRAWING DATE 01-10	DETAILS BY D. GOOD	CHECKED Y.A. WANG	DESIGN SUPERVISOR
SUBMITTED BY Y.A. WANG			

STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 56M5706
DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE 105.5

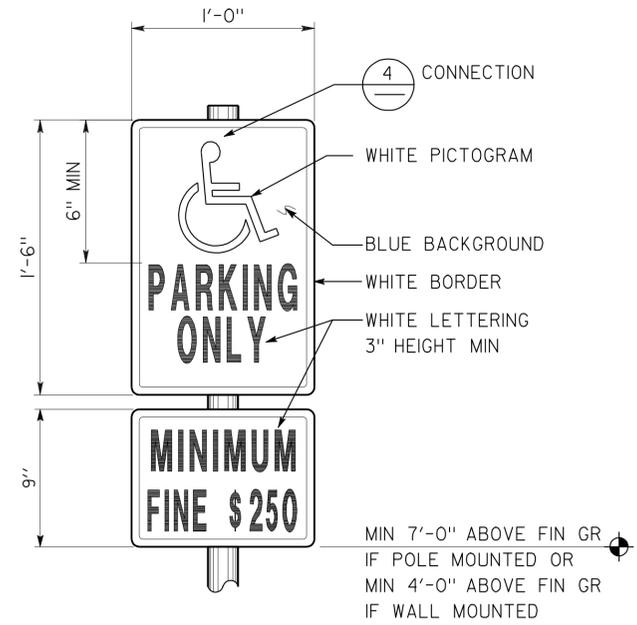
DESERT CENTER M.S.	ACCESSIBILITY	ACCESSIBILITY STANDARD DETAILS
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SHEET NO. 01-10	TOTAL SHEETS 69
PROJECT NUMBER & PHASE 08000005391	UNIT 2341
DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)

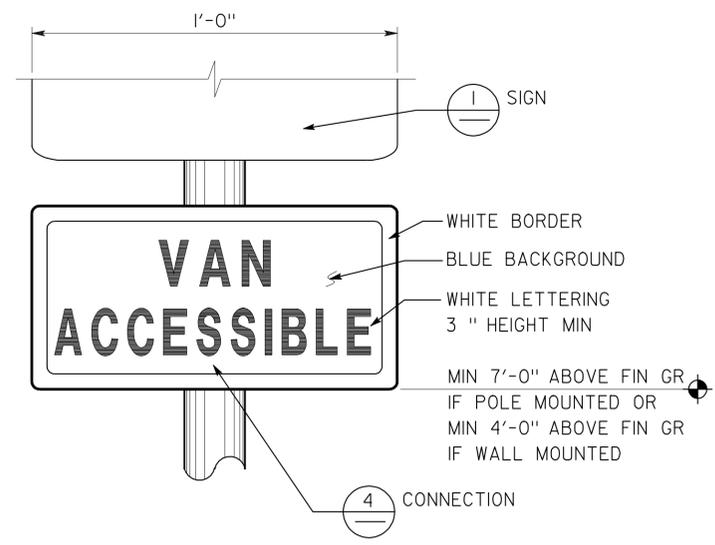
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 LICENSED ARCHITECT		01-02-10 DATE	
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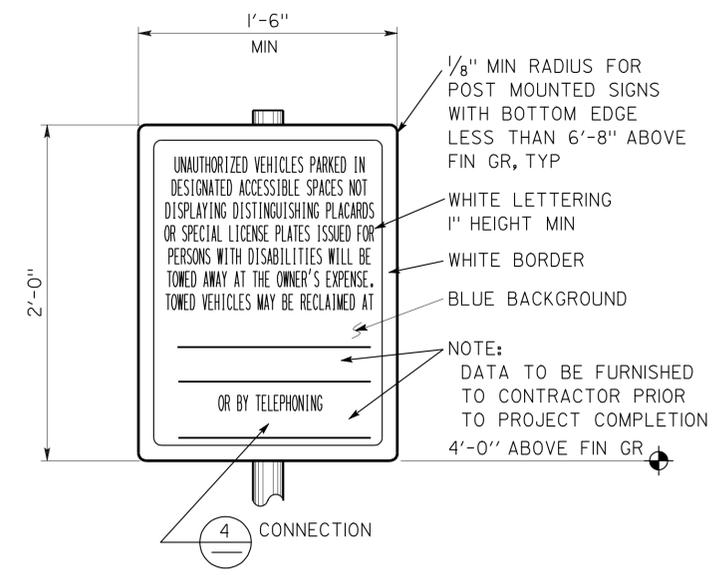
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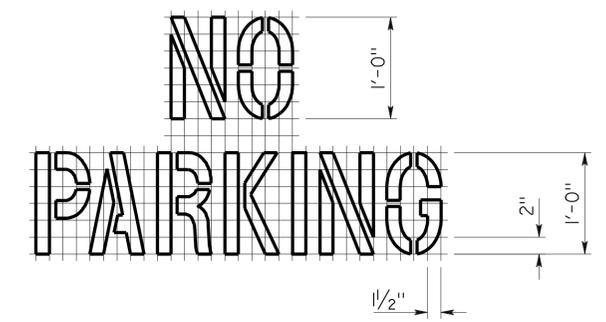
1 ACCESSIBLE PARKING SIGN
 REFER TO SITE PLAN FOR LOCATIONS
 COMBO SIGN MAY BE USED



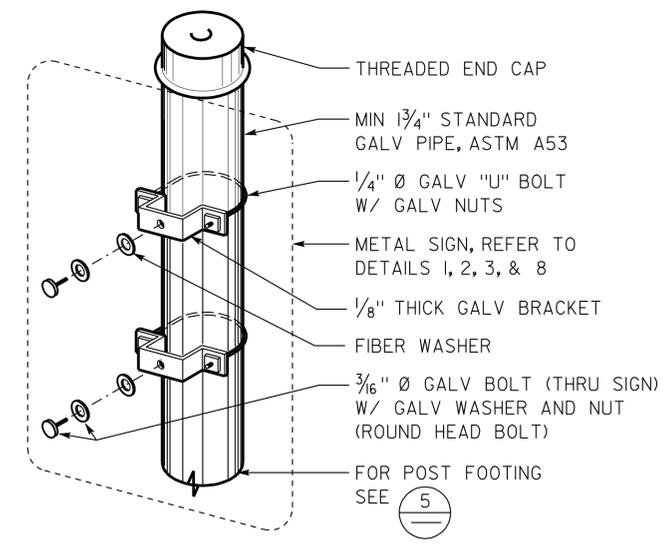
2 ACCESSIBLE VAN PARKING SIGN
 REFER TO SITE PLAN FOR LOCATIONS
 VAN ACCESSIBLE COMBO SIGN AND SEPARATE FINE PLAQUE MAY BE USED



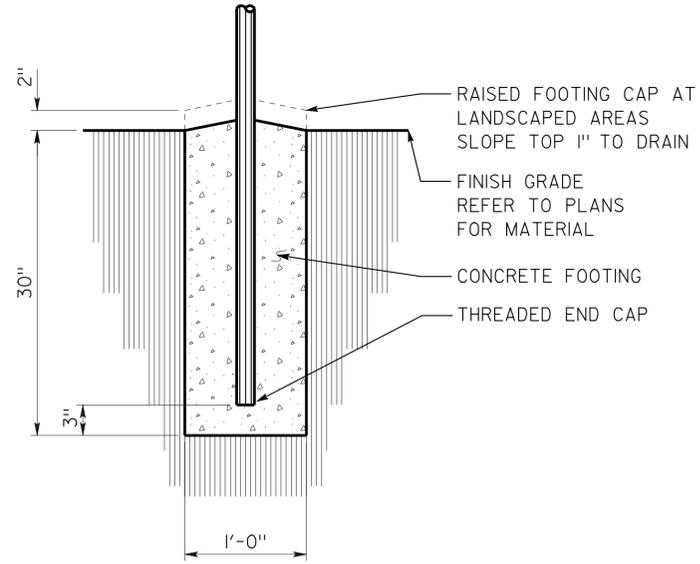
3 UNAUTHORIZED VEHICLES PARKING SIGN
 REFER TO SITE PLAN FOR LOCATIONS
 COLORS MAY VARY



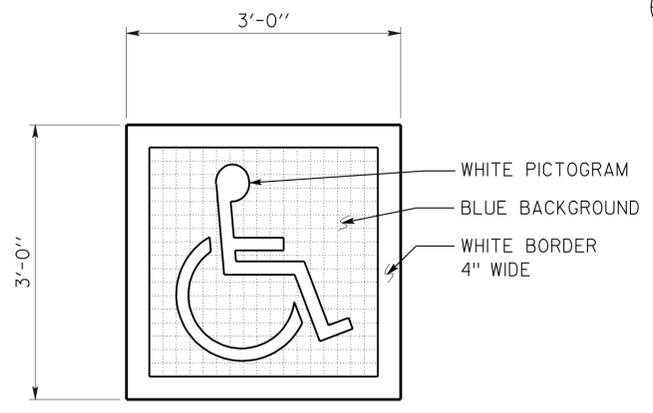
7 ACCESS AISLE PAVEMENT MARKING



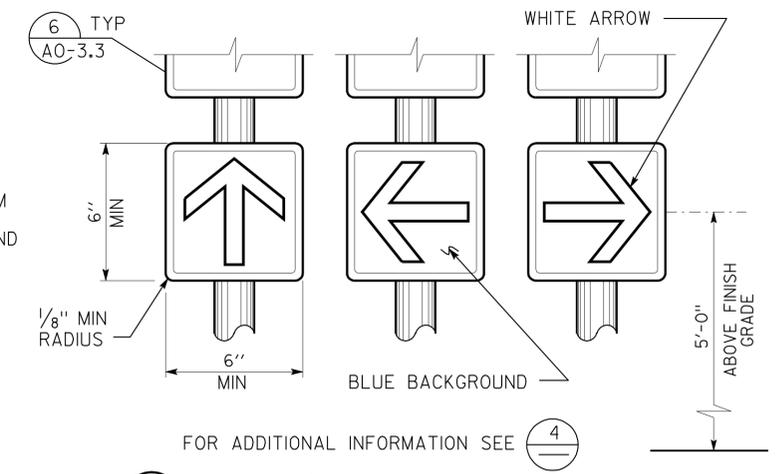
4 SIGN CONNECTION



5 SIGN POST FOOTING



6 ACCESSIBLE PARKING SURFACE IDENTIFICATION
 REFER TO DETAILS 1 AND 2 ON SHEET A0-3.1 FOR LOCATIONS



8 DIRECTIONAL SIGNS
 REFER TO SITE 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		BRIDGE NO. 56M5706		DESERT CENTER M.S.		SHEET A0-3.2	
FILE NO. 01-10	DESIGN BY D. ALSEY	CHECKED Y.A. WANG	APPROVED R.E. Travis	DEPARTMENT OF TRANSPORTATION		ARCHITECTURAL AND STRUCTURAL DESIGN		POST MILE 105.5		ACCESSIBILITY		ACCESSIBILITY STANDARD DETAILS	
SUBMITTED BY Y.A. WANG				DESIGN SUPERVISOR		PROJECT NUMBER & PHASE 2341 08000005391		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	

17-JUN-2011 14:16 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 UNIT PROJECT NUMBER & PHASE 2341 08000005391

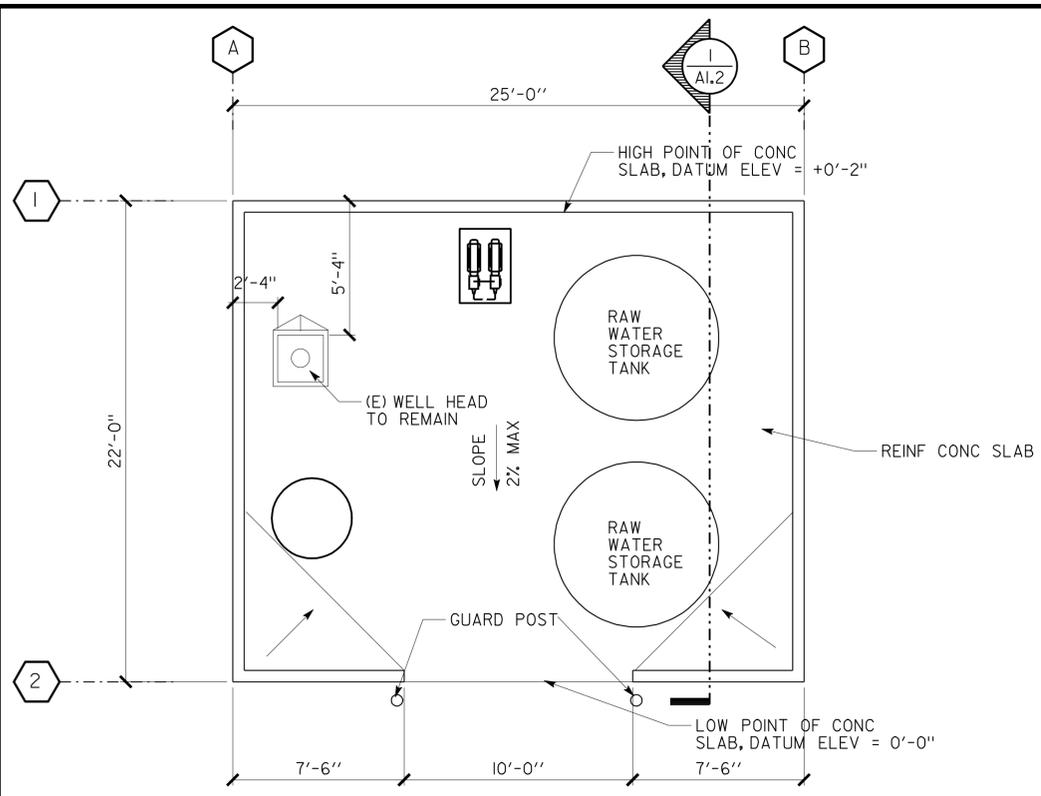
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		25	69

6-13-11
 PLANS APPROVAL DATE
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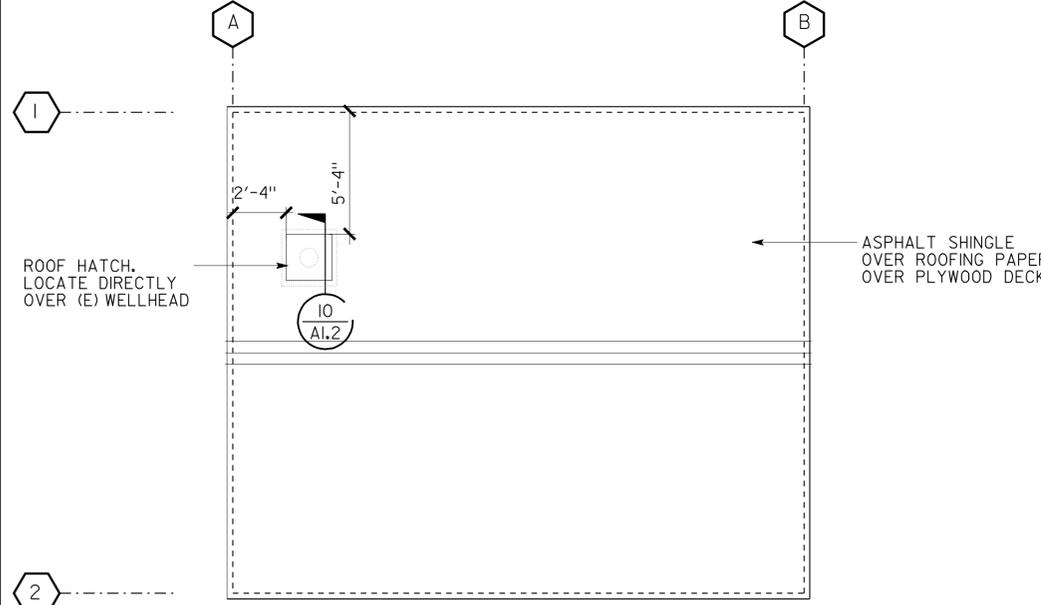


WELLHEAD SHED COLOR SCHEDULE		
ITEM	COLOR	MANUFACTURER
EXTERIOR		
PLYWOOD SIDING	LA MESA 30YY 55/151	ICI PAINTS
ASPHALT SHINGLE ROOFING	SELECTED FROM MANUFACTURER STANDARD COLORS	
OPENING FRAME	LA MESA 30YY 55/151	ICI PAINTS
LOUVERS	LA MESA 30YY 55/151	ICI PAINTS
WOOD FASCIA AND TRIM	LA MESA 30YY 55/151	ICI PAINTS
METAL ROOF FLASHING	LA MESA 30YY 55/151	ICI PAINTS
GUARD POSTS	CAESAR'S GOLD 20YY 43/562	ICI PAINTS
INTERIOR		
EXPOSED STRUCT ROOF AND WALL FRAMING	LA MESA 30YY 55/151	ICI PAINTS
EXPOSED ROOF AND WALL STRUCT PLYWOOD	LA MESA 30YY 55/151	ICI PAINTS

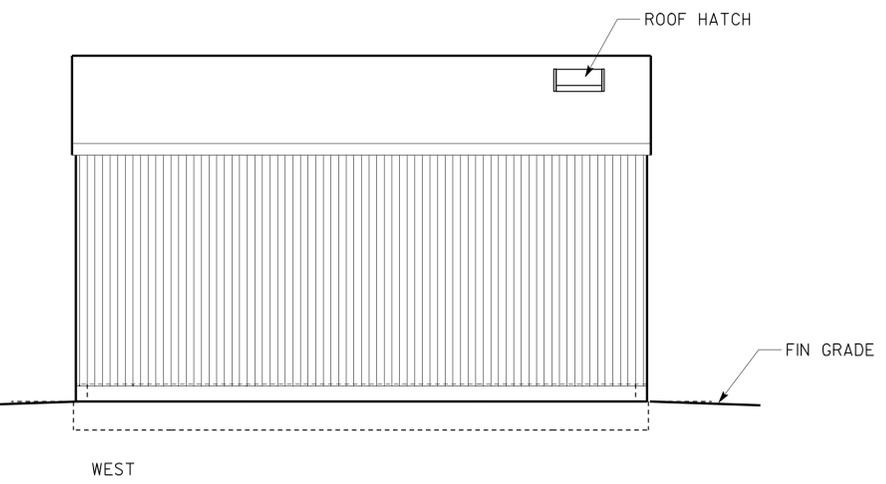
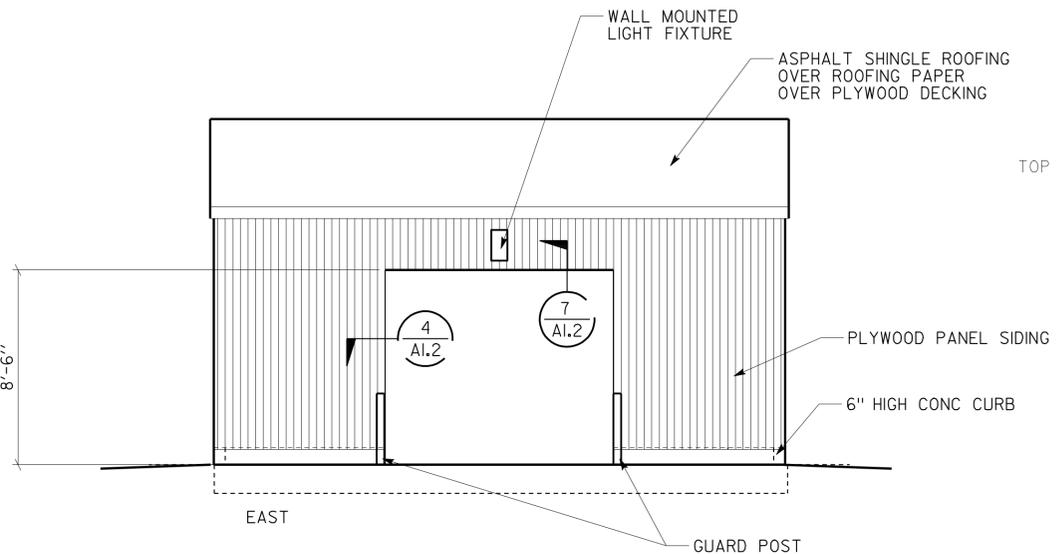
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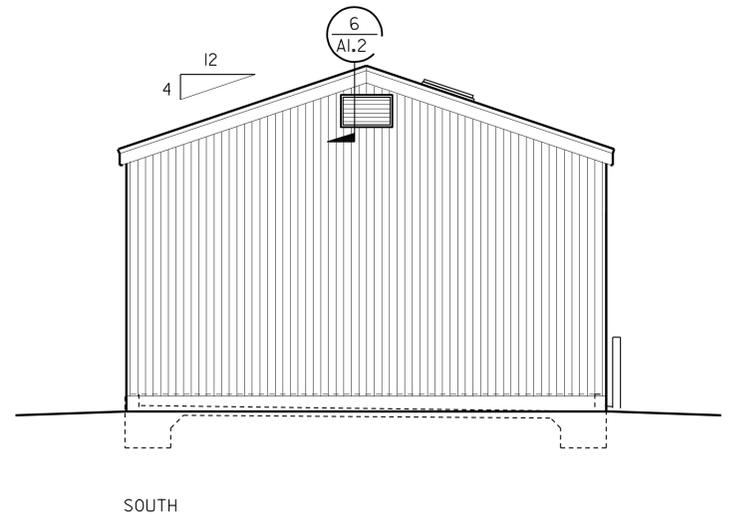
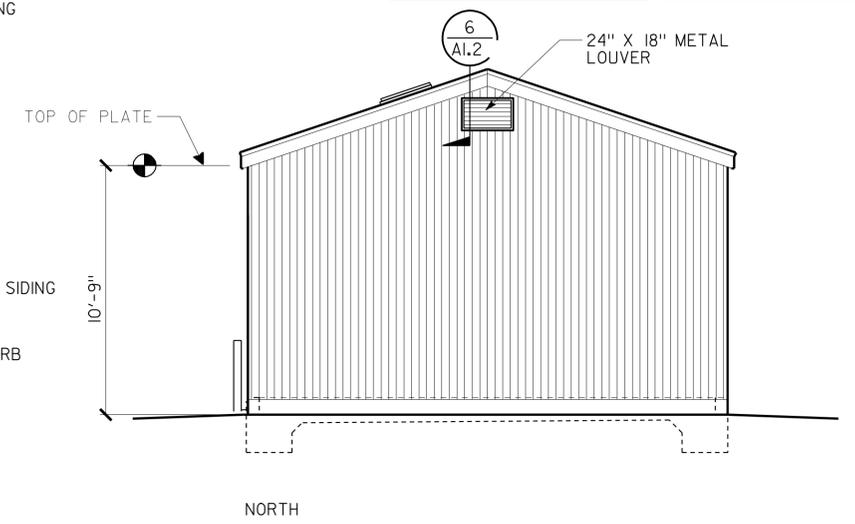
1 FLOOR PLAN
SCALE 1/4" = 1'-0"



2 ROOF PLAN
SCALE 1/4" = 1'-0"



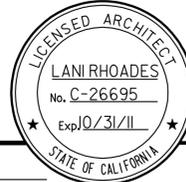
3 EXTERIOR ELEVATIONS
SCALE 1/4" = 1'-0"

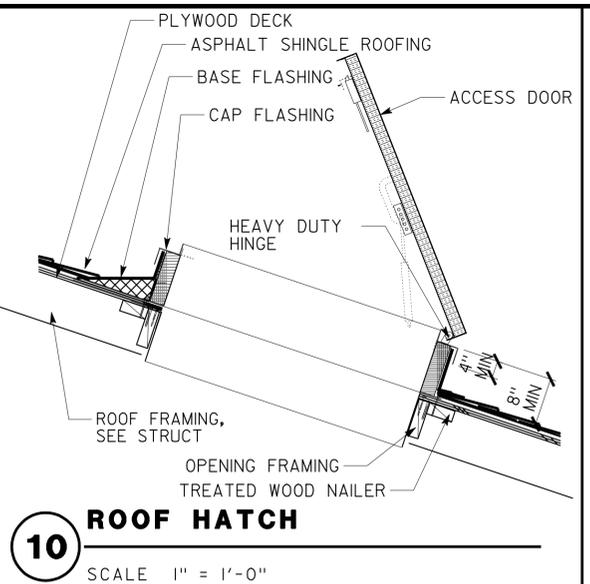
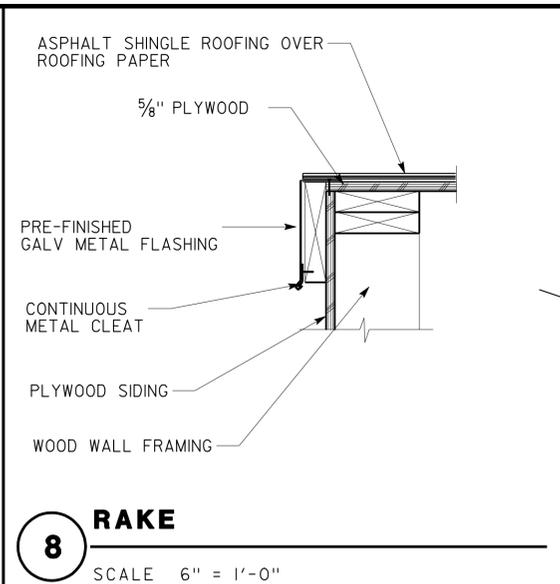
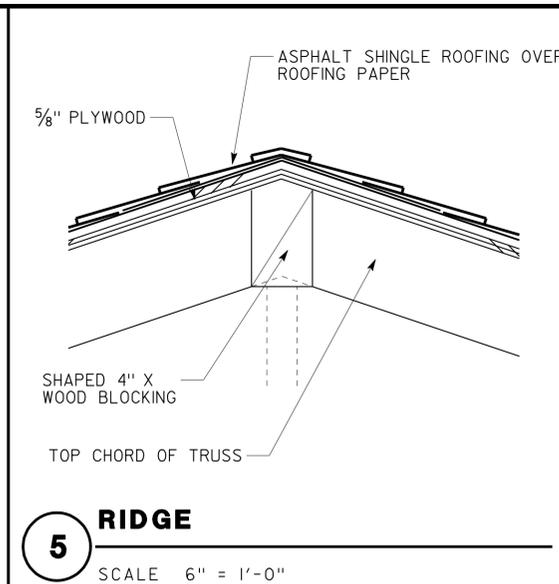
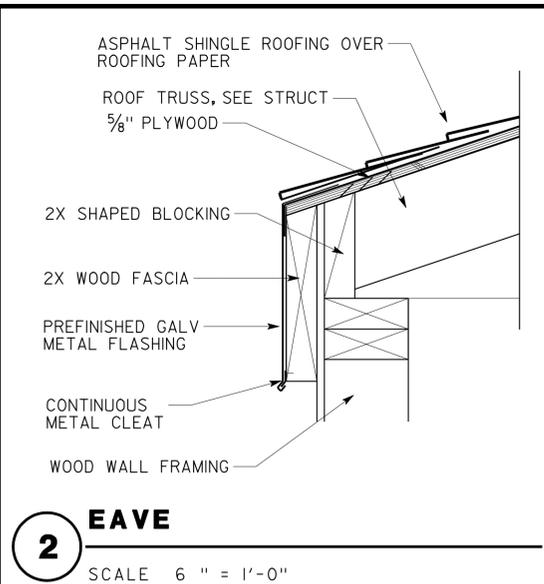


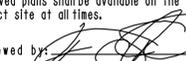
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			56M5706 POST MILE 105.5		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			UNIT PROJECT NUMBER & PHASE 2341 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES -07	REVISION DATES (PRELIMINARY STAGE ONLY)

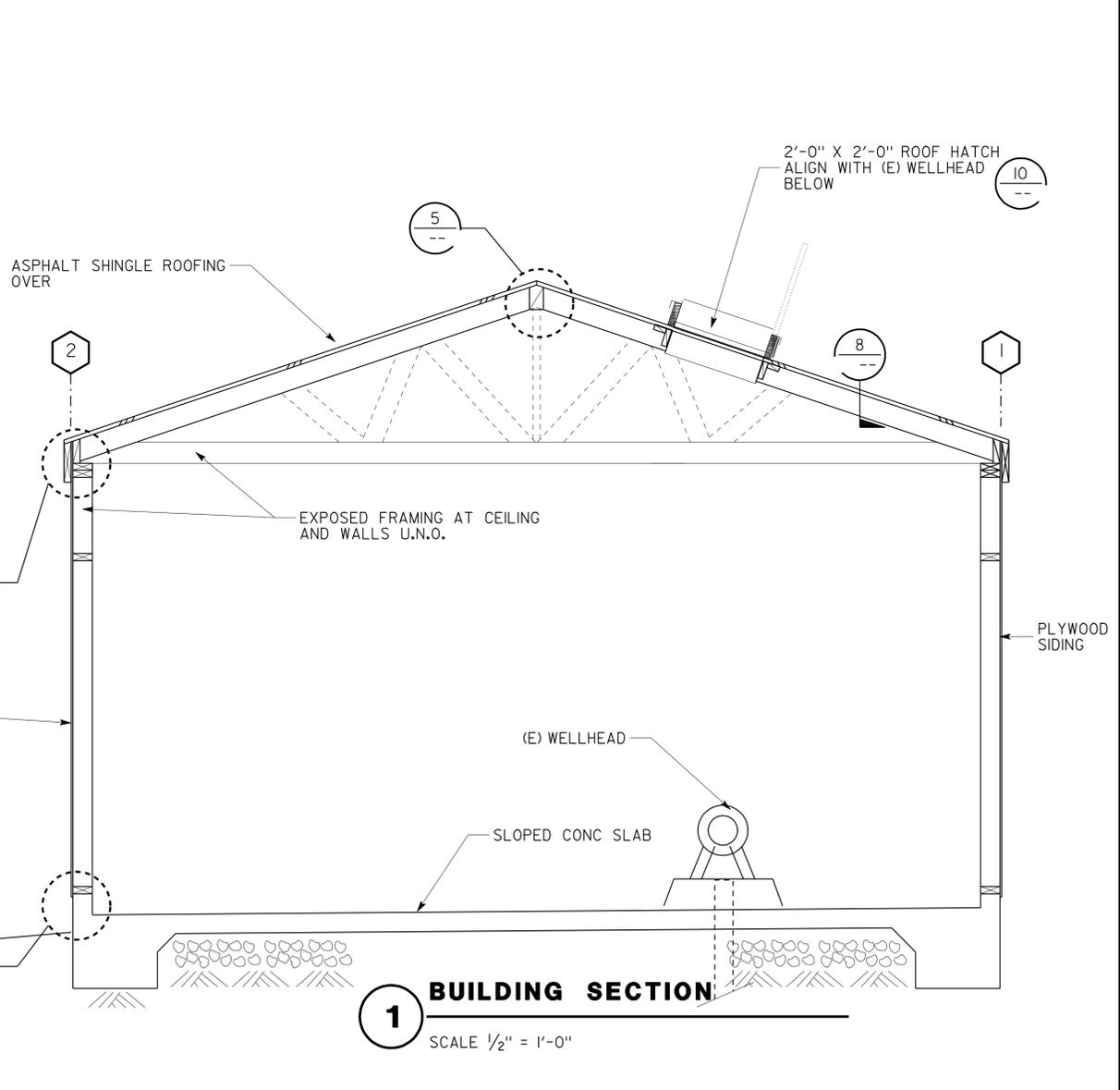
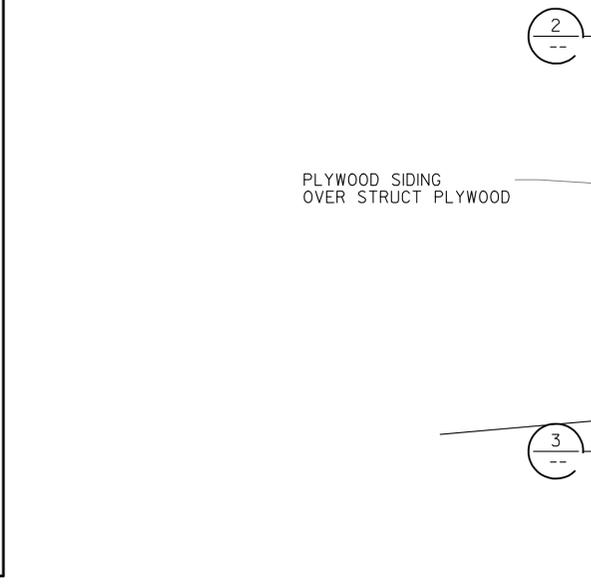
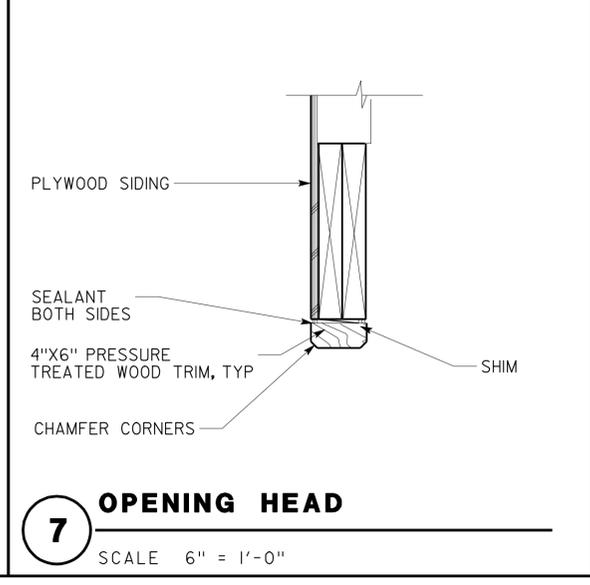
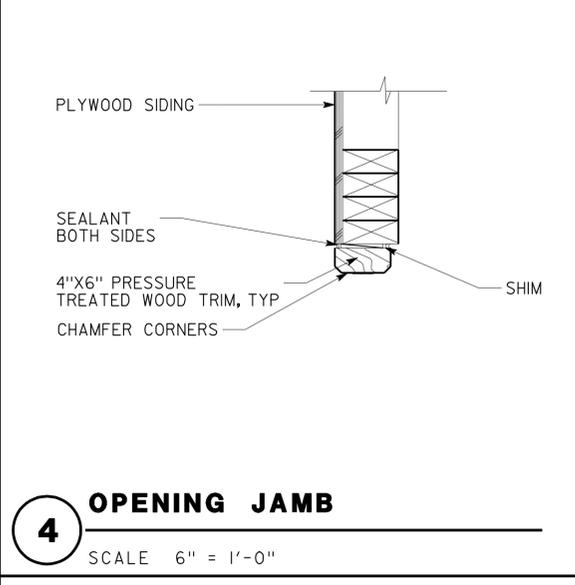
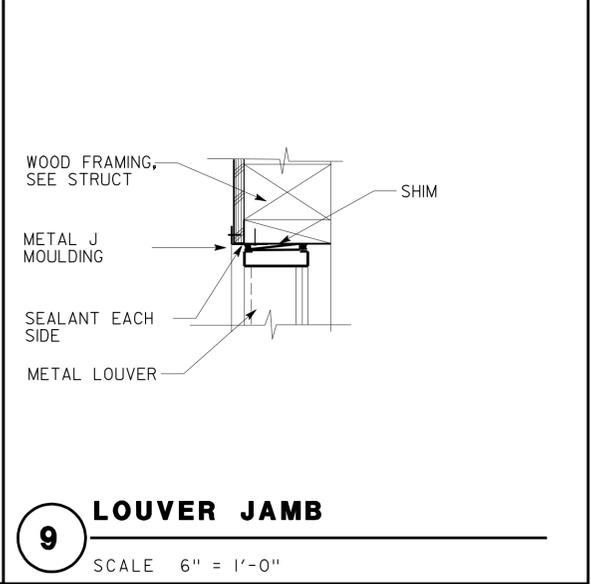
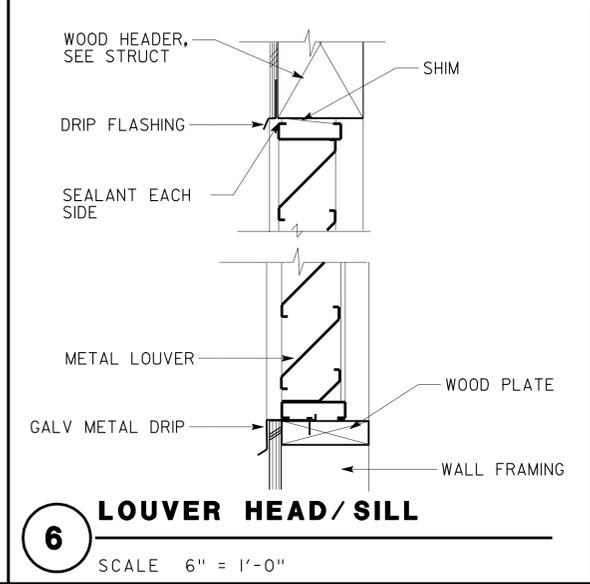
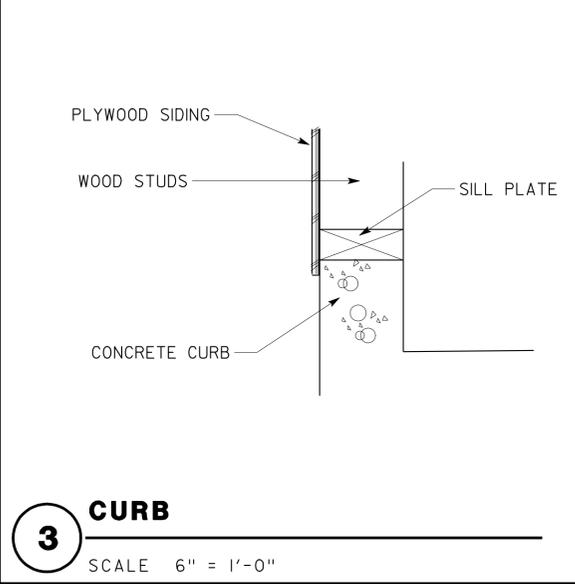
q_1-1.dgn
 TAEMWW Imperial Rev. 7/10
 20-JUN-2011 09:33

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		26	69

 LICENSED ARCHITECT		DATE	
			
6-13-11 PLANS APPROVAL DATE			
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 08 000005391	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:  Date: 12-16-10	Reviewed by:  Approval date: 12-20-10



q_1-2.dgn TAEMWW Imperial Rev. 7/10 20-JUN-2011 09:33	DESIGN BY Lani Rhoades CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 56M5706 POST MILE 105.5	DESERT CENTER M.S.	SHEET A1.2
	DETAILS BY Lani Rhoades CHECKED		PROJECT NUMBER & PHASE 2341 08000005391	WELLHEAD SHED	BUILDING SECTION AND DETAILS	SHEET OF X X
	QUANTITIES BY Lani Rhoades CHECKED		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 2341 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		27	69

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

10-26-10
 DATE

6-13-11
 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
Dbl	Double	Opt	Optional
DF	Douglas Fir	P	Pitch
Dia	Diameter	PDF	Powder Driven Fastener
DIP	Ductile Iron Pipe	Plwd	Plywood
DN	Diameter Nominal	PT	Pressure Treated
do	Ditto	PW	Puddle Weld
(E)	Existing	PWB	Prefabricated Wood I Beam
Ea	Each	RCP	Reinforced Concrete Pipe
EL	Elevation	Reinf	Reinforced, Reinforcing
Elec	Electrical	Req'd	Required
Embed	Embedment	SDSTS	Self Drill, Self Tap Screw
EN	Edge Nail	Sim	Similar
Eq	Equal	SPS	Structural Plywood Sheathing
Exp	Expansion	Sq	Square
FDGM	Free Draining Granular Material	Stagg	Staggered
FG	Finish Grade	Std	Standard
FL	Flow Line	SW	Stud Weld
Fir	Floor	Sym	Symmetrical
FN	Face (Field) Nail	T&G	Tongue-and-Groove
FOC	Face of Concrete	TN	Toe Nail
FOM	Face of Masonry	TS	Tube Steel
FOS	Face of Stud	Typ	Typical
Ftg	Footing	UON	Unless Otherwise Noted
Ga	Gage	Vert	Vertical
Galv	Galvanized		
GLM	Glue Laminated Member		
Gyp Bd	Gypsum Board		

SYMBOLS

	Blocking in Section or Elevation		CMU Wall on Plan Views
	Continuous Member in Section		Dropped Slab on Plan Views
	End of Member		Reinforced Concrete
	Bearing Wall		Sand
	Shear Wall		Structural Backfill
	Length Shearwall Schedule Symbol Reference		Structural Excavation
	Glue Laminated Member Section		Original Ground
	North Arrow		Limits of Structural Backfill (shown on plan view)
	Partial Section Cut		Free Draining Granular Material
	Full Section Cut		Bottom of Footing
	Revision Callout		Elevation or Working Point
	Grid Line Indicator		Existing Features
	Center Line		Holdown, Typ (Manufacturers are those noted in the order shown.)
	Station Line		Frame Connector (Manufacturers are those noted in the order shown.)
	Steel Plate		Detail Number or Note Number Additional Reference (if required) Sheet Number
	Diameter		
	Square		

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

FILE NO. XS-25-0	DESIGN BY <i>Sam Samir</i>	CHECKED BY <i>George E. Rowe</i>	APPROVED BY <i>R.E. Travis</i>
DRAWING DATE 1-04	DETAILS BY <i>George E. Rowe</i>	CHECKED BY <i>Sam Samir</i>	DESIGN SUPERVISOR
	SUBMITTED BY <i>Sam Samir</i>	DESIGN ENGINEER	

BRIDGE NO. 56M5706	POST MILE 105.5
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STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

DESERT CENTER MAINTENANCE STATION		SHEET ST-1
LEGEND		

A

FRAMING NOTES

- 1. Dimensions are typically shown to face of stud for exterior walls, to centerline of stud at interior walls, and to centerline of openings. Vertical dimensions are typically shown from rough floor or slab to top of plate or to underside of lintels. Dimensions shown as "clear" are from surface to surface.
2. Bearing, shear and exterior walls shall be sheathed with 3/8" structural plywood sheathing.
3. All roofs shall be sheathed with 5/8" structural plywood sheathing.
4. Plywood for floors and roofs shall be placed face grain perpendicular to supports. Where possible, plywood shall be placed in full sheets and staggered one-half sheet length. Any partial plywood sheet shall not be less than 2'-0" in length or width unless fully blocked. Plywood for wainscots, siding and wall sheathing may be placed parallel to framing and with the C-C plugged face exposed. See Detail 2, sheet ST-1B.
5. All wood members shall be Douglas Fir-Larch (DF) quality grade stamped. Grade stamps shall indicate compliance with the grading requirements of WWP, WCLIB or other approved lumber inspection agency.
6. Structural plywood sheathing shall be APA grade stamped plywood conforming to Voluntary Product Standard PSI, Grade C-D, Exposure 1. Thickness and span rating shall be as shown on the plans.
7. Wood grades (unless otherwise noted):
A. For horizontal members:
Joists & Rafters Grade #2
Beams & Stringers Grade #1
Ledgers Grade #1
B. For vertical members:
2"x4" Studs Construction Grade
2"x6" & larger studs Grade #2
Posts & Timbers Grade #1
C. Glue laminated beams:
Simple spans 24F-V4 DF/DF
Cantilevers & Continuous 24F-V8 DF/DF
8. Glue laminated members shall be engineered, stress rated and factory laminated with adhesive for wet use.
9. Exposed members shall be "architectural appearance" grade and non-exposed members shall be "industrial appearance" grade.
10. All wood in direct contact with concrete or masonry shall be pressure treated Douglas Fir-Larch.
11. Joists framed into the side of wood girders shall be supported by joist hangers.
12. Joists shall be supported laterally at the ends and at each support by solid blocking or other approved means except where the ends of joists are nailed to a header, band or rim joist or to an adjoining stud. Solid blocking shall not be less than 2"x in thickness and the full depth of the joist.
13. Joists and roof rafters 1'-0" or deeper shall have full depth 2"x thick solid blocking at 8'-0" maximum spacing.
14. Provide 2"x blocking to secure fixtures shown on the project plans.
15. Joists under and parallel to bearing walls shall be doubled.
16. When there are multiple holes and notches in one structural element or when there are holes and notches occurring in more than two consecutive structural elements, the Engineer's approval is required, unless the details are shown on plans.
17. Notches or cuts in bearing or shear wall studs may be to a depth not exceeding 25% of its width. Wood studs in non-bearing and non-shear walls supporting only their weight may be notched or cut to a depth not greater than 40% (See note 16 above).
18. Bored hole diameters shall not exceed 40% of the stud width in bearing walls and 60% in non-bearing walls. The top plates may not be bored or cut, without the Engineer's approval. Neither bearing nor shear wall top plates may be bored greater than 40%, unless detailed on the plans. Holes shall not be closer than 5/8" to the edge of the stud. (See note 16 above)
19. When it is necessary to cut the sole plate, sill plate or wood stud for plumbing, heating or other pipes, a 1/16" thick x 1/2" wide galvanized metal stud shoe plate shall be fastened w/6-16d to the plate across the opening.
20. Equivalent metal bridging or ties may be submitted to the Engineer for approval.

B

MINIMUM NAILING SCHEDULE

- 1. All structural nailing shall be common wire. Alternate fasteners may be substituted as approved by the Engineer.
2. For wood to wood joints, the spacing of nails shall not be less than the required nail penetration. Edge or end distances shall not be less than 1/2 the required nail penetration. Where pre-drilling is required to avoid splitting of the wood, the hole diameter shall not exceed three-fourths of the nail diameter.
3. Nailing not noted below or on the project plans shall be a minimum of 2 nails at each contact, 8d for 1"x members and 16d for 2"x members.
4. Joists or Rafters:
a. Bearing (sill, girder, top plate) Toe Nail 3-8d
b. Laps (parallel members over walls or beams) Face Nail 4-16d
For each additional 3" member depth beyond 6" member add 2-16d
c. Rim joist to floor joist, End Nail 2-16d
For each additional 4" member depth beyond 8" member add 1-16d
d. Rim joist to top plate, Toe Nail 8d @ 6" OC
e. Double joists under bearing walls, staggered Face Nail. 16d @ 1'-0" OC
5. Studs:
a. Double studs, Face Nail 16d @ 2'-0" OC
b. Top plate to stud, End Nail 2-16d
c. Stud to sole plate, Toe Nail 3-16d or 4-8d
d. Sole plate to stud, End Nail 2-16d
e. Stud to continuous header, Toe Nail 3-16d or 4-8d
f. Built-up corner studs, Face Nail 16d @ 2'-0" OC
6. Plates:
a. Top plate doubled, Face Nail 16d @ 1'-4" OC
b. Top plate intersection, Face Nail 2-16d
c. Sole plate to rim joist or blocking, Face Nail 16d @ 1'-4" OC
d. Sole plate to floor framing, Face Nail 16d @ 1'-4" OC
7. Blocking:
a. To studs, joists or rafters, Toe Nail 3-16d or 4-8d or End Nail 2-16d
For each additional 4" member depth beyond 8" member add, Toe Nail 2-8d or End Nail 1-16d
b. To plates, Toe Nail 16d @ 1'-0" OC
8. 2" Subfloor to each joist or girder one blind and one Face Nail. 2-16d
9. Structural Plywood Nailing:
a. Spacing at subflooring, decking, roof and wall structural plywood sheathing to framing:
LOCATION 3/8" Plwd 1/16" - 1" Plwd
At supported edges (edge nailing) & over bearing (beams, girders, walls, etc.) 8d @ 6" OC 10d @ 6" OC
At intermediate supports (field nailing) 8d @ 6" OC 10d @ 1'-0" OC
Where bearing is 4'-0" or greater (field nailing) 10d @ 6" OC
b. Structural plywood edge nailing shall be staggered at supports, Detail 2, Sheet ST-1B; at double plates, Detail 3, Sheet ST-1B; and at double studs located at wall intersections and corners, Details 9A and 9B, Sheet ST-1B.
c. Decking and Underlayment: Use deformed shank nail (see Sheet ST-1B for nail size and spacing)
d. Panel siding to framing: Use zinc coated nail (see Sheet ST-1B for nail size and spacing)
10. Finish Plywood Nailing (non-structural):
a. Finish plywood to framing where the thickness is 1/2" or less:
1) Finish nail at supported edges (edge nailing) 6d @ 6" OC
2) Finish nail at intermediate supports (field nailing) 6d @ 1'-0" OC
11. Gypsum Sheathing (Structural):
a. Wall structural gypsum board sheathing to framing where the thickness 5/8" or less:
1) Cooler nail, parker nail or wallboard nail with a flat or concave head and diamond point at all edges and intermediate supports (field nailing) 6d @ 4" OC

Table with 3 columns: LOCATION, 3/8" Plwd, 1/16" - 1" Plwd. Rows include: At supported edges (edge nailing) & over bearing (beams, girders, walls, etc.), At intermediate supports (field nailing), Where bearing is 4'-0" or greater (field nailing).

C

MECHANICAL FASTENER NOTES

- 1. The clearance holes for lag screw shanks shall be the same diameter and depth as the unthreaded shank. The lead hole for the threaded portion shall be of a diameter equal to 60% of the shank diameter for screws up to 1/2" diameter, and 75% of the shank diameter for larger lag screws. The lead hole shall be at least the length of the threaded portion.
2. Lag screws shall be turned into pre-drilled holes and not be driven.
3. All bolts and lag screws shall be tightened and retightened before closing in, or at completion of job.
4. All bolts and lag screws shall be provided with metal washers under heads and nuts which bear on wood.

Table titled 'MINIMUM WASHER FOR BOLTS & LAG SCREWS'. Columns: Size, Malleable Iron Washer, Steel Plate Washer. Rows: 1/2" Ø, 5/8" Ø, 3/4" Ø, 7/8" Ø, 1" Ø.

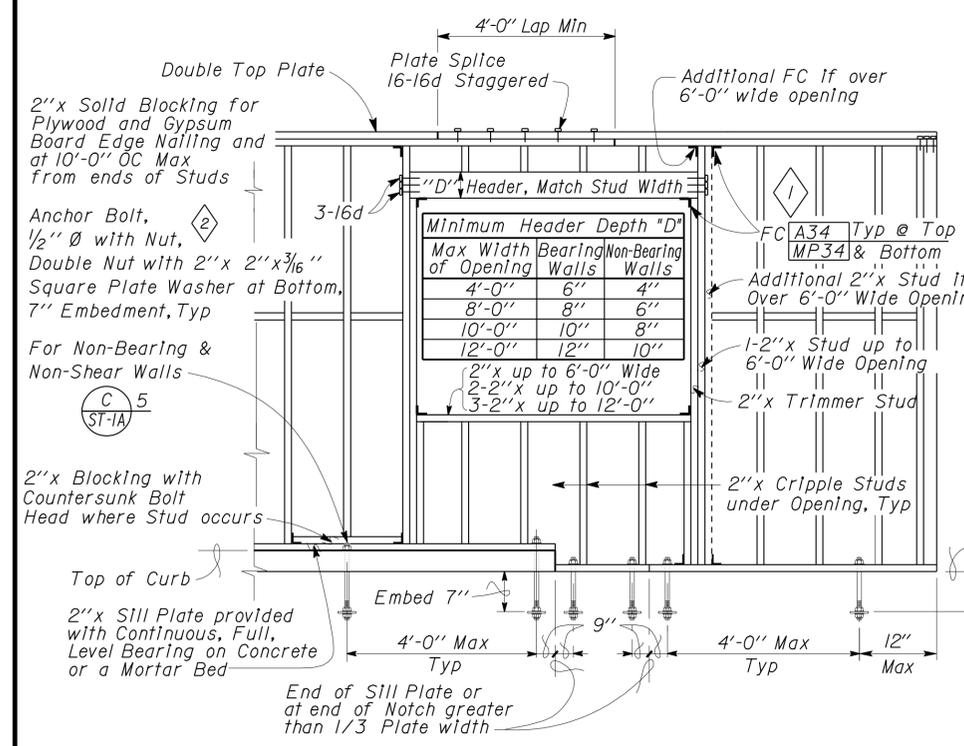
Place under Bolt Heads & Nuts bearing on Wood

- 5. Fastener alternatives for non-bearing and non-shear walls: Two minimum per member and at 9" from ends.
a. 1/8" Ø Powder driven anchor with 1" penetration @ 2'-0" OC.
b. 1/4" Ø expansion anchorage device embedded 1 1/2" minimum at 2'-0" OC.
c. 1/2" Ø anchor bolt with 2 1/2" embedment @ 4'-0" OC.
6. Equivalent mechanical fasteners may be submitted to the Engineer for approval.

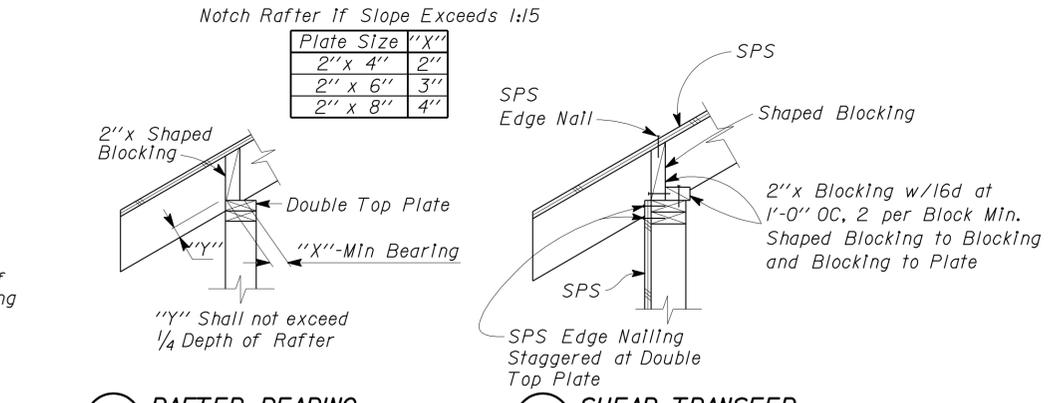
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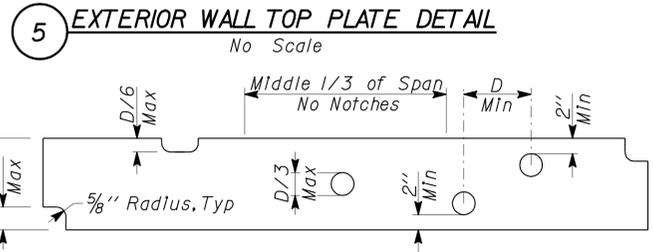
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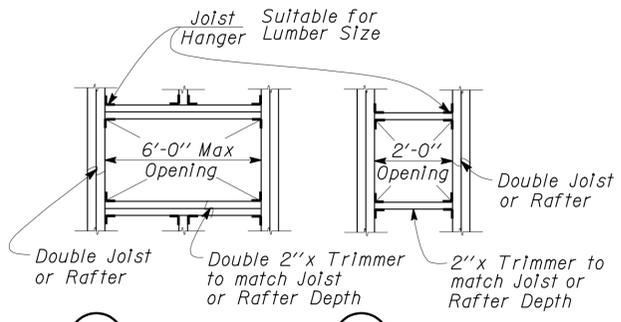
1 TYPICAL WALL AND OPENING FRAMING
No Scale



5A RAFTER BEARING **5B SHEAR TRANSFER**

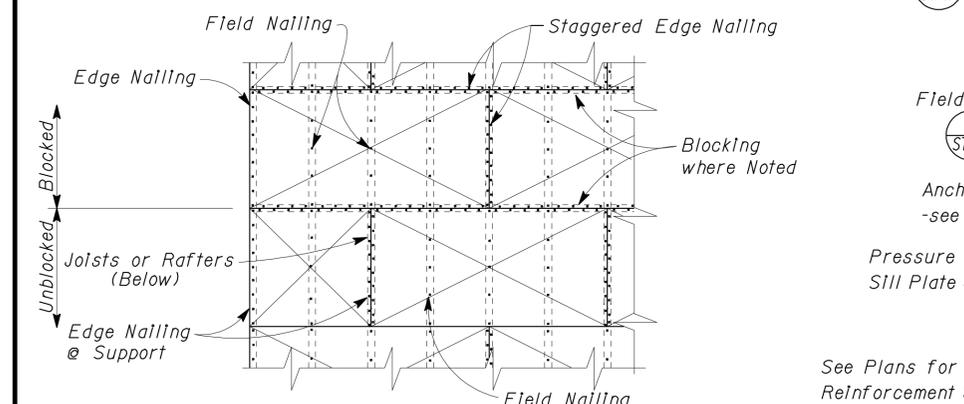


5 EXTERIOR WALL TOP PLATE DETAIL
No Scale

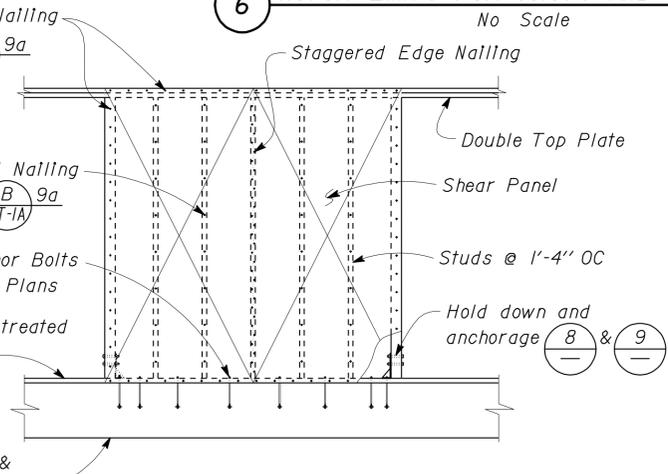


7A **7B**

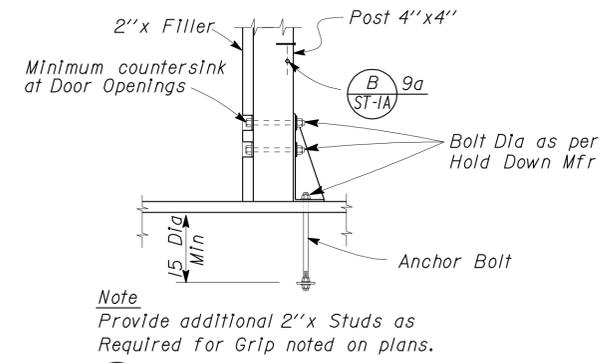
7 FRAMING AT OPENINGS
No Scale



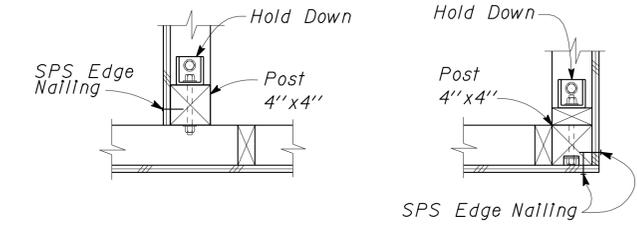
2 STRUCTURAL PLYWOOD LAYOUT
No Scale



3 SHEAR WALL ELEVATION
No Scale

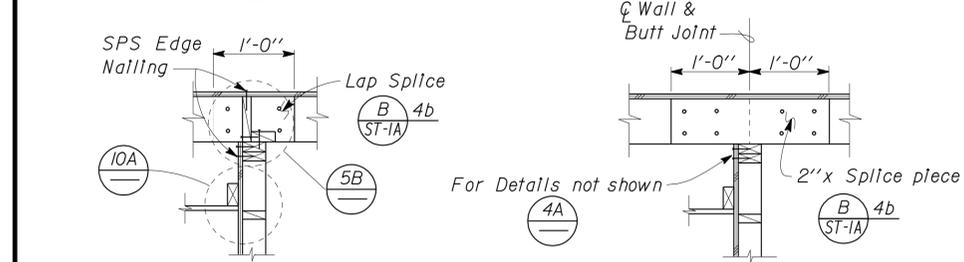


8 INTERIOR HOLD DOWN
No Scale

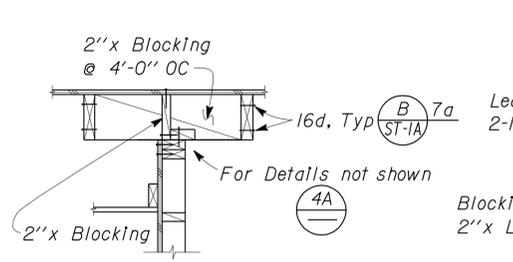


9A INTERSECTION **9B CORNER**

9 INTERIOR AND CORNER WALL FRAMING DETAILS
No Scale

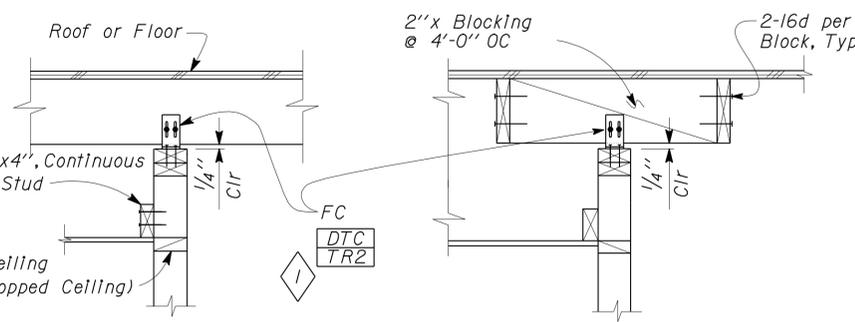


4A LAP SPLICE ACROSS JOISTS **4B BUTT SPLICE ACROSS JOISTS**



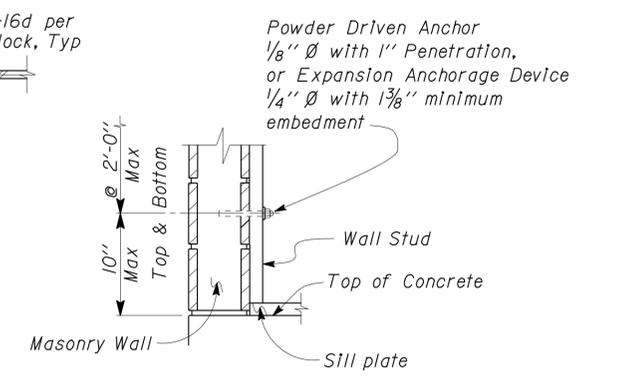
4C JOISTS PARALLEL TO WALL

4 JOIST LAYOUT AT TOP OF BEARING AND SHEAR WALL
No Scale



10A ACROSS JOISTS **10B PARALLEL TO JOISTS**

10 NON-BEARING WALL TOP PLATE CONNECTION
No Scale



11 STUD ANCHORAGE TO MASONRY
No Scale

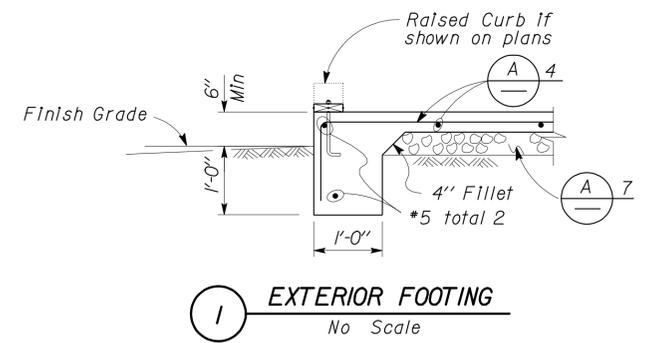
NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

FILE NO. XS-25-5-I	DESIGN BY <i>Sean Seavel</i>	CHECKED <i>Joe F...</i>	APPROVED <i>RE Travis</i>
DRAWING DATE 1-04	DETAILS BY <i>Peter F. von Savoy</i>	CHECKED <i>...</i>	DESIGN SUPERVISOR
SUBMITTED BY <i>Sean Seavel</i>		DESIGN ENGINEER	

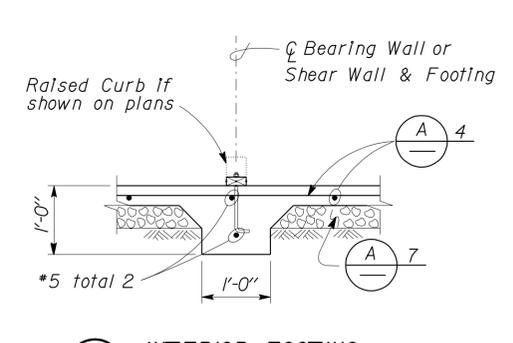
Revision - 11-02-2006 Updated USP connector ID.
Anchor Bolt size & defnition.

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 56M5706 POST MILE 105.5	DESERT CENTER MAINTENANCE STATION	SHEET ST-1B
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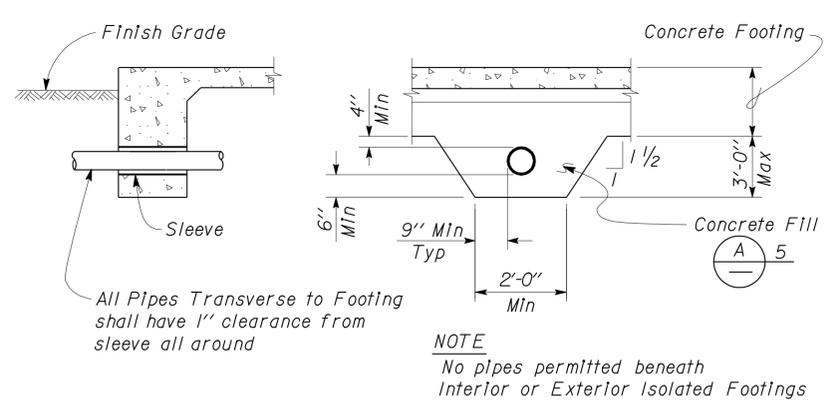
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		30	69
			12-20-10 REGISTERED CIVIL ENGINEER DATE		
6-13-11 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



1 EXTERIOR FOOTING
No Scale

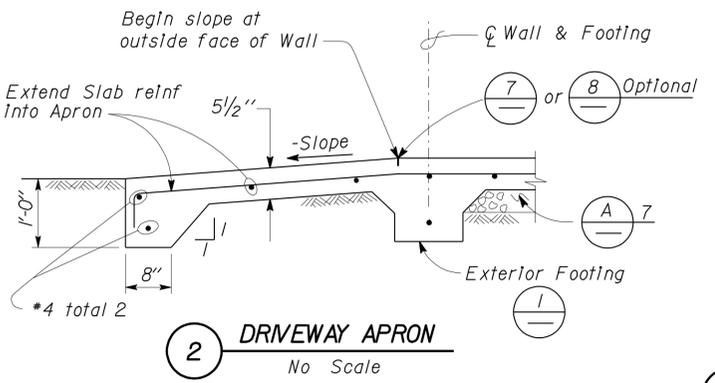


5 INTERIOR FOOTING
No Scale

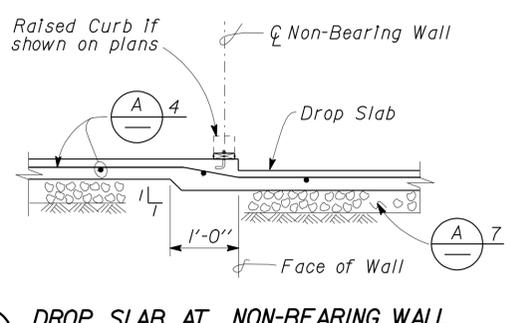


9 PIPE DETAILS THROUGH FOOTING
No Scale

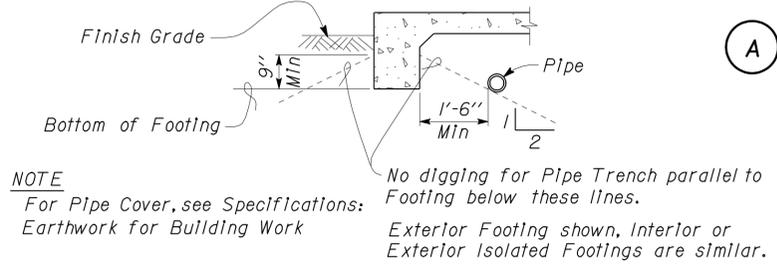
NOTE
No pipes permitted beneath Interior or Exterior Isolated Footings



2 DRIVEWAY APRON
No Scale



6 DROP SLAB AT NON-BEARING WALL
No Scale



10 PIPE DETAILS PARALLEL TO FOOTING
No Scale

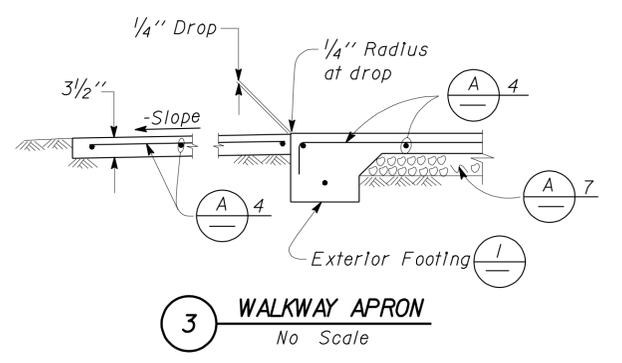
NOTE
No digging for Pipe Trench parallel to Footing below these lines.
For Pipe Cover, see Specifications: Earthwork for Building Work
Exterior Footing shown, Interior or Exterior Isolated Footings are similar.

A CONCRETE NOTES

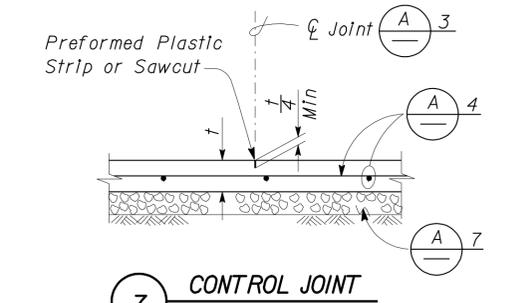
- The following minimum concrete cover shall be provided for reinforcement.

	Minimum Cover
a. Concrete cast against and permanently exposed to earth	3"
b. Concrete exposed to earth or weather but cast in forms:	
*6 thru *18 bars	2"
*5 bar and smaller, W31 or D31 Wire, and smaller	1 1/2"
c. Concrete not exposed to weather or in contact with ground:	
Slabs, Walls and Joists:	
*14 and *18 Bar	1 1/2"
*11 Bar and smaller	3/4"
Beams and Columns:	
Primary Reinforcement, Ties, Stirrups and Spirals	1 1/2"
- Splices in continuous reinforcement as in Walls, Wall Footings, etc. #8 or smaller shall have a lap of 45 diameters and the splices in adjacent bars shall not be less than 5'-0" apart.
- Continuous Bars in spandrels, Wall Beams, etc. shall lap Top Bars at center of span and Bottom Bars at supports.
- Contraction Joints and Control Joints shall divide slab into areas not exceeding 25 square yards without reentrant corners and with length to width ratios not exceeding 1.5 to 1. Joint spacing shall not exceed 15'-0".
- Slab Thickness (t)

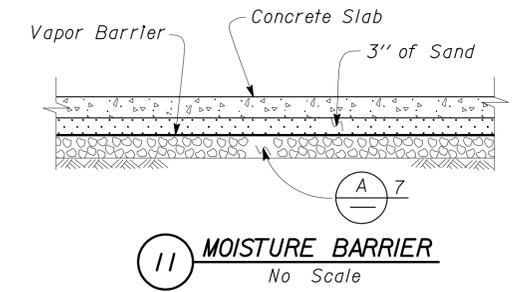
Slab Thickness (t)	Reinforcement
3/2"	*3 @ 18 Each way, place in center of Slab
5/2"	*4 @ 18 Each way, place in center of Slab
- Concrete fills to be placed before Footing is poured. Make the same width as the Footing and the full width of the Pipe trench. Concrete fill not required for pipes less than 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.



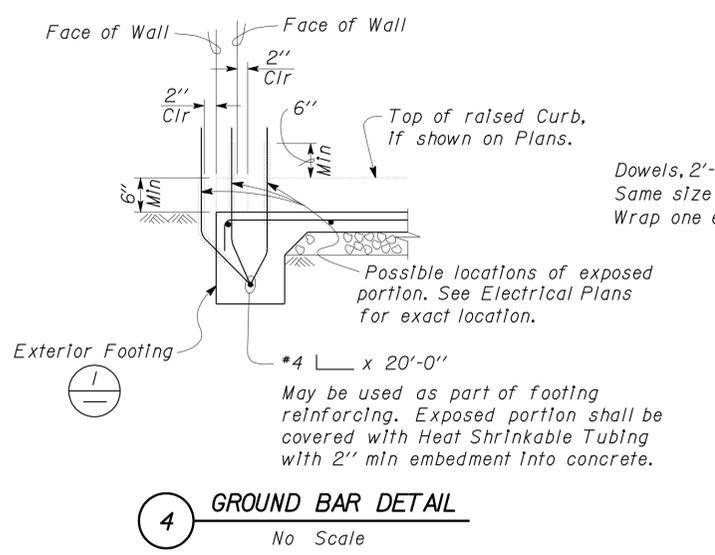
3 WALKWAY APRON
No Scale



7 CONTROL JOINT
No Scale

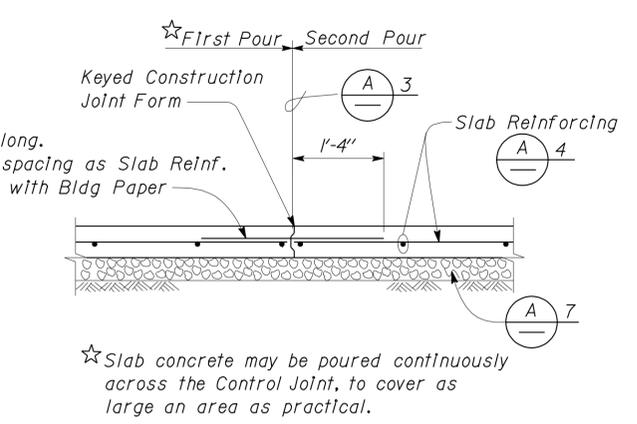


11 MOISTURE BARRIER
No Scale



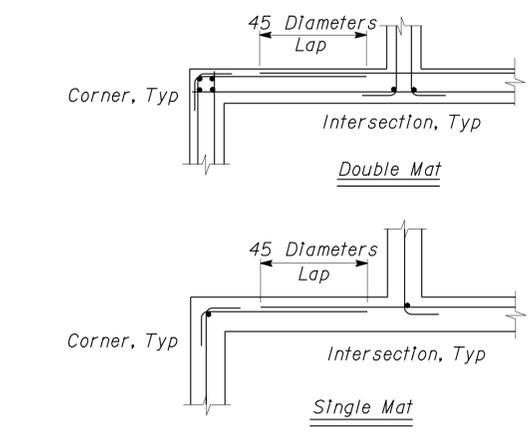
4 GROUND BAR DETAIL
No Scale

Dowels, 2'-8" long. Same size & spacing as Slab Reinf. Wrap one end with Bldg Paper



8 CONTRACTION JOINT
No Scale

★ Slab concrete may be poured continuously across the Control Joint, to cover as large an area as practical.



12 CORNER/INTERSECTION REINF SPLICE, TYPICAL
No Scale

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 Seavel</i>	CHECKED BY <i>Steve Thomas</i>	APPROVED BY <i>R.E. Travis</i>
DRAWING DATE 1-04	DETAILS BY <i>Peter F. von Jauch, II</i>	CHECKED BY <i>Steve Thomas</i>	DESIGN SUPERVISOR
	SUBMITTED BY <i>Sean Seavel</i>	DESIGN ENGINEER	

BRIDGE NO. 56M5706	POST MILE 105.5
DESERT CENTER MAINTENANCE STATION	
CONCRETE STANDARD	

STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES
DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT PROJECT NUMBER & PHASE 3581 0800000539	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
		1-16-04 11-14-05	ST-2

PROJECT DESIGN CRITERIA

The building work on this project has been designed to conform to the 2007 California Building Code (2006 IBC).

LOADS

SEISMIC: Occupancy Factor = 1
 Importance Factor = 1.0
 Site Soil Class = D
 $S_S = 0.74$ $S_{DS} = 0.6$
 $S_I = 0.33$ $S_{DI} = 0.38$

Seismic Design Category = D

Seismic Force-Resisting System:

Bearing Wall System

North - South

Light-framed walls sheathed with wood structural panels rated for shear resistance, or steel sheeps.

$R = 6.5$ $C_S = 0.1$

Bearing Wall System

East - West

Light-framed walls sheathed with wood structural panels rated for shear resistance, or steel sheeps.

$R = 6.5$ $C_S = 0.1$

WIND: Importance Factor = 1.0
 Basic Wind Speed = 85 mph
 Exposure C

Wind Pressure on Components and Cladding = 10

LIVE LOAD: Roof = 20 psf

MATERIALS

REINFORCED CONCRETE: (Ultimate Strength Design) :

$f'_c = 3,000$ psi

$f_y = 60,000$ psi

FOUNDATION:

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

DETAIL NOTES

- For Timber and Sawn Lumber see:
 "Wood Framing Standard - Notes"
 "Wood Framing Standard - Details"
- For Concrete see:
 "Concrete Standard"

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		31	69

Tahir Rashid 12-20-10
 REGISTERED CIVIL ENGINEER DATE

6-13-11
 PLANS APPROVAL DATE

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

DESIGN	BY Tahir Rashid	CHECKED Chandra Bapat
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.	56M5706
POST MILE	105.5

DESERT CENTER MAINTENANCE STATION
 WELLHEAD SHED
 DESIGN CRITERIA AND DETAIL NOTES

SHEET ST1-0 OF



REVISION DATES (PRELIMINARY STAGE ONLY)					
01-06-09	05-04-09	03-02-10	03-10-10	06-30-10	07-30-10

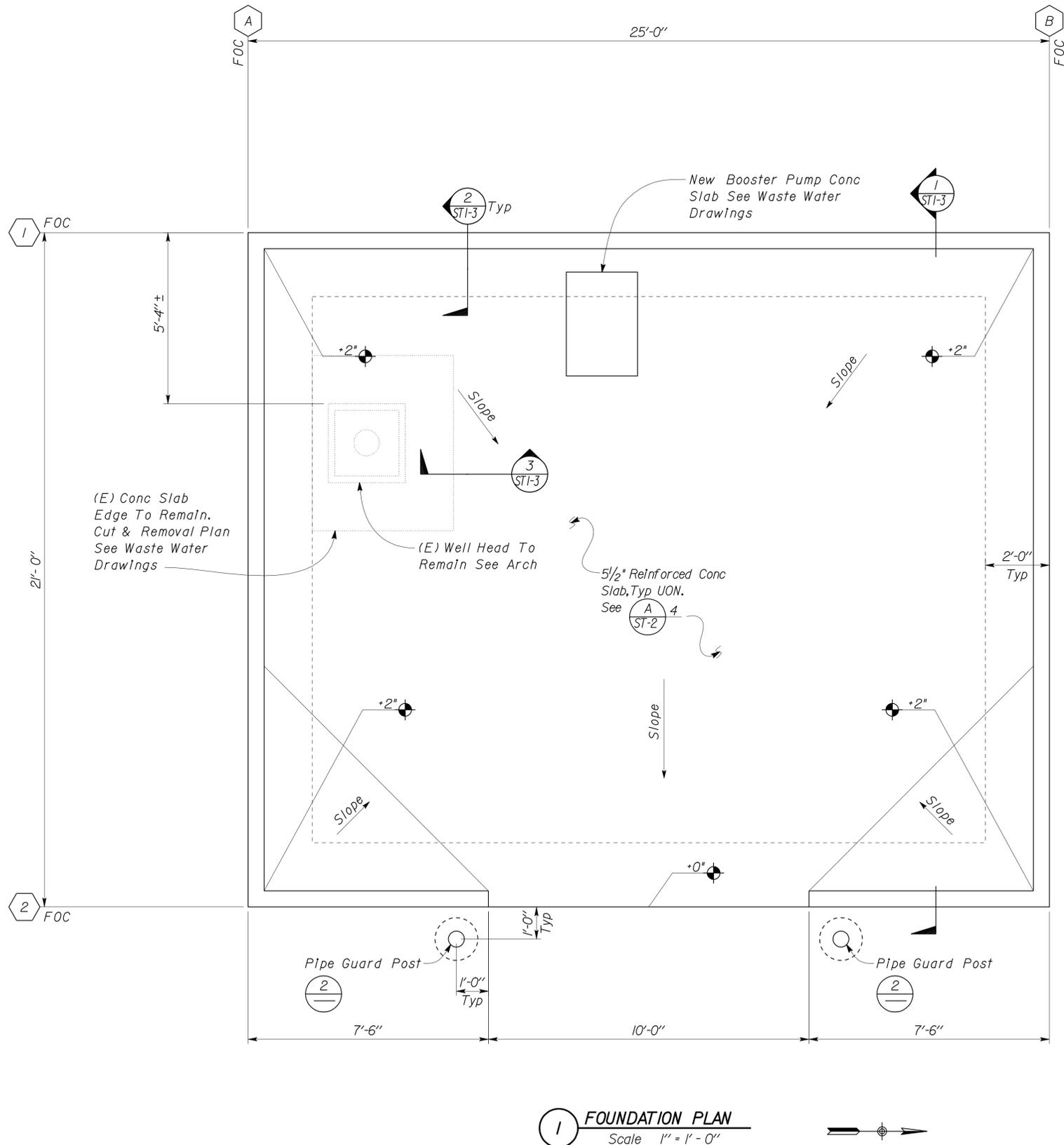
17-JUN-2011 15:00

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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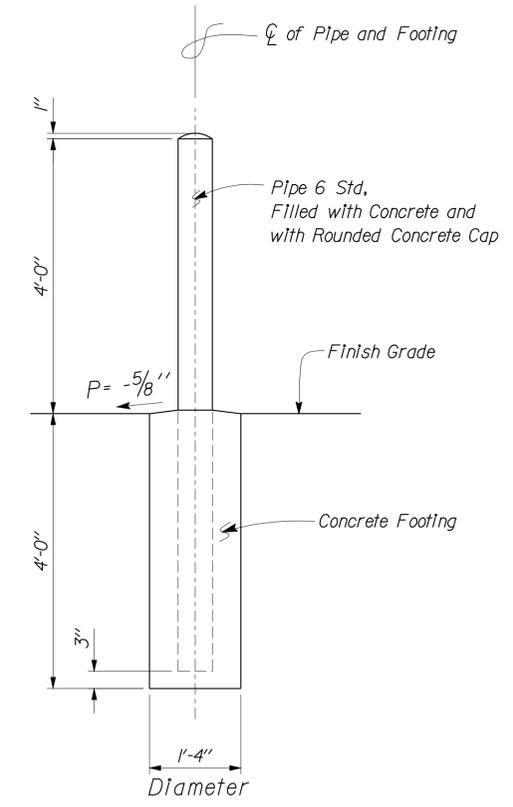
Tahir Rashid
 REGISTERED CIVIL ENGINEER
 No. 61932
 Exp. 9-30-11
 DATE 10-26-10
 PLANS APPROVAL DATE 6-13-11

REGISTERED PROFESSIONAL ENGINEER
 Tahir Rashid
 No. 61932
 Exp. 9-30-11
 STATE OF CALIFORNIA

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1 FOUNDATION PLAN
Scale 1" = 1' - 0"



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

DESIGN ENGINEER <i>Joe Anderson</i>	DESIGN BY Tahir Rashid	CHECKED Chandra Bapat	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 56M5706	DESERT CENTER MAINTENANCE STATION	SHEET OF ST1-1
	DETAILS BY Daniel Harakh	CHECKED Tahir Rashid			POST MILE 105.5		
QUANTITIES		CHECKED	UNIT PROJECT NUMBER & PHASE 3581 0800000539	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		

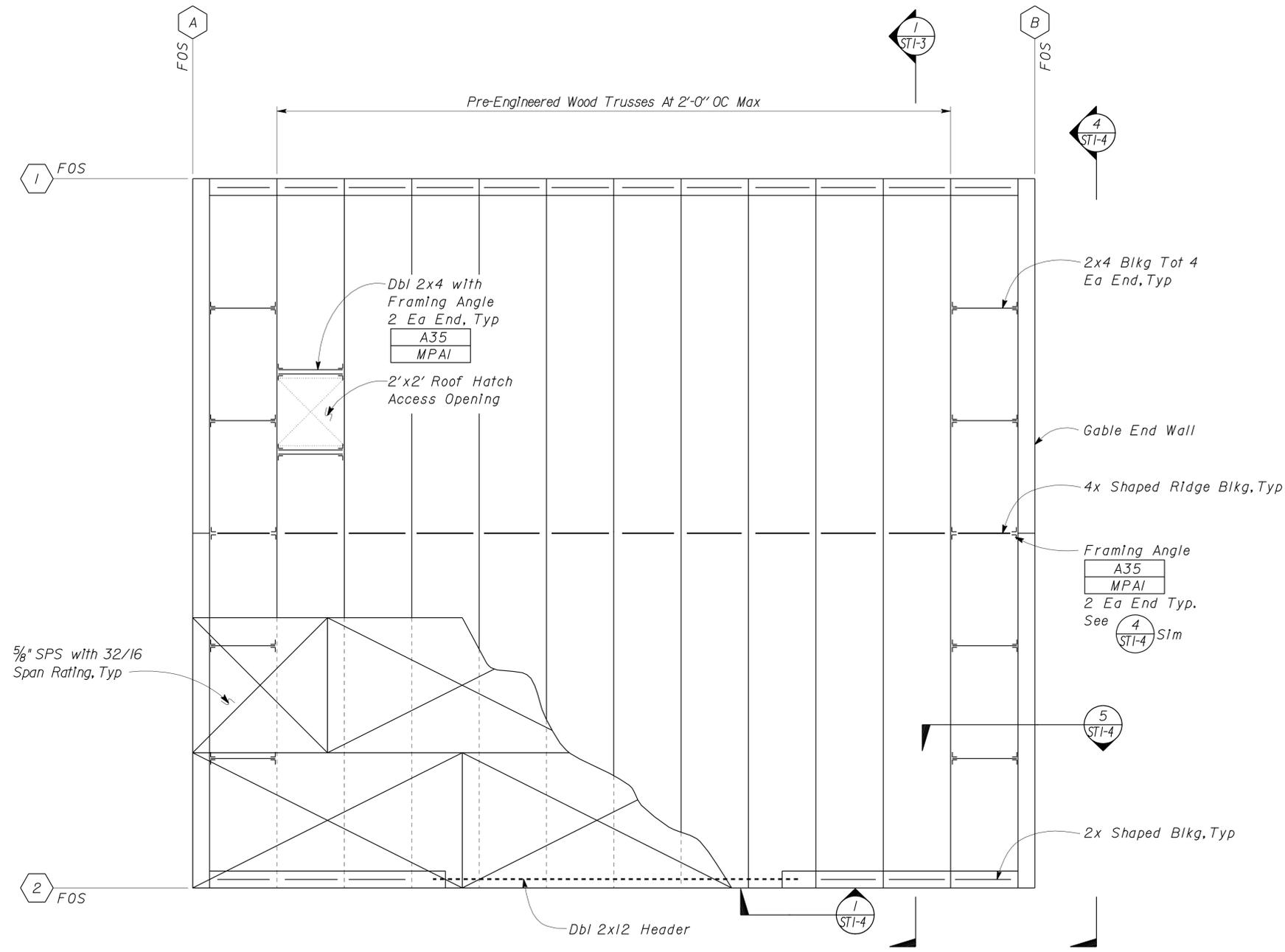
DOES SD IMPACT... Rev. 7/10 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 UNIT PROJECT NUMBER & PHASE 3581 0800000539 DISREGARD PRINTS BEARING EARLIER REVISION DATES 06-20-10 07-02-10 SHEET OF 17-JUN-2011 15:01

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		33	69

Tahir Rashid
 REGISTERED CIVIL ENGINEER
 No. 61932
 Exp. 9-30-11
 DATE 10-26-10
 PLANS APPROVAL DATE 6-13-11

REGISTERED PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA

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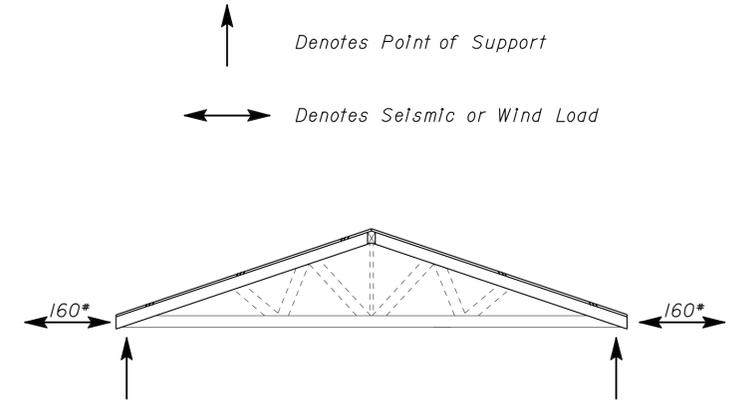


A PRE-ENGINEERED TRUSS REQUIREMENTS

LOADS:

	Dead Load	Live Load
Top Chord (Roof):	10 PSF	20 PSF
Bottom Chord (Ceiling)	5 PSF	10 PSF
Wind Uplift @ Eave:	35 PSF	

- Deflection:
 Live Load ----- L/360
 Total Load ----- L/240
 - Camber Shall be 1.5 Times Dead Load Deflection
 - Top and Bottom Truss Chords shall be a minimum grade of DF No.1 and 2x6 minimum size, Unless Otherwise Noted.
- Truss Webs shall be a minimum grade of DF No.2 and 2x4 minimum size, Unless Otherwise Noted.



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

DESIGN	BY	Tahir Rashid	CHECKED	Chandra Bapat	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	DESERT CENTER MAINTENANCE STATION		SHEET ST1-2
	DETAILS	BY	Daniel Harakh	CHECKED			Tahir Rashid	POST MILE	WELLHEAD SHED	
QUANTITIES	BY		CHECKED				105.5			

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 UNIT PROJECT NUMBER & PHASE: 3581 0800000539
 DISREGARD PRINTS BEARING EARLIER REVISION DATES: 06-30-10 07-02-10 07-09-10
 REVISION DATES (PRELIMINARY STAGE ONLY):
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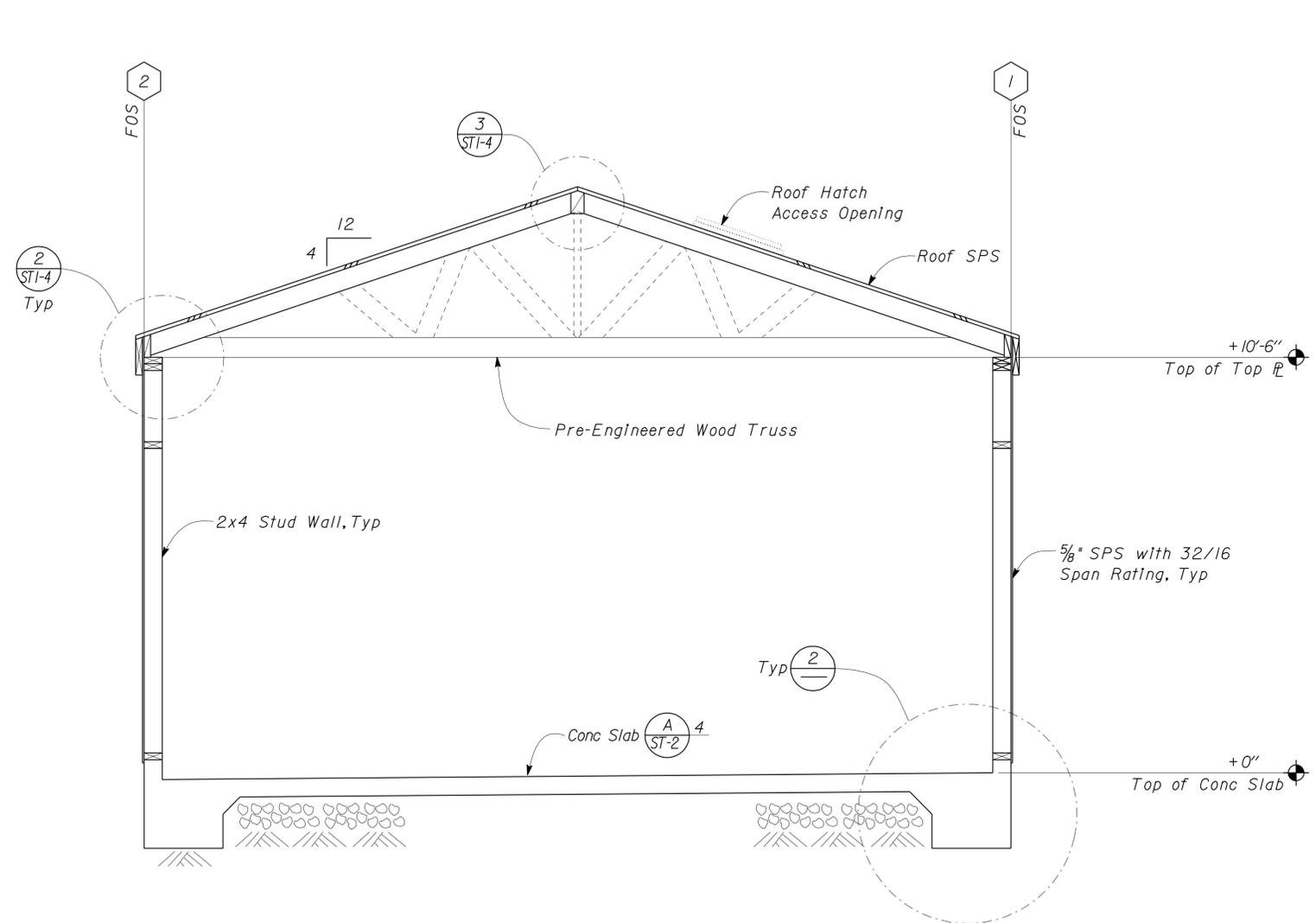
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		34	69

Tahir Rashid
REGISTERED CIVIL ENGINEER
DATE 10-26-10

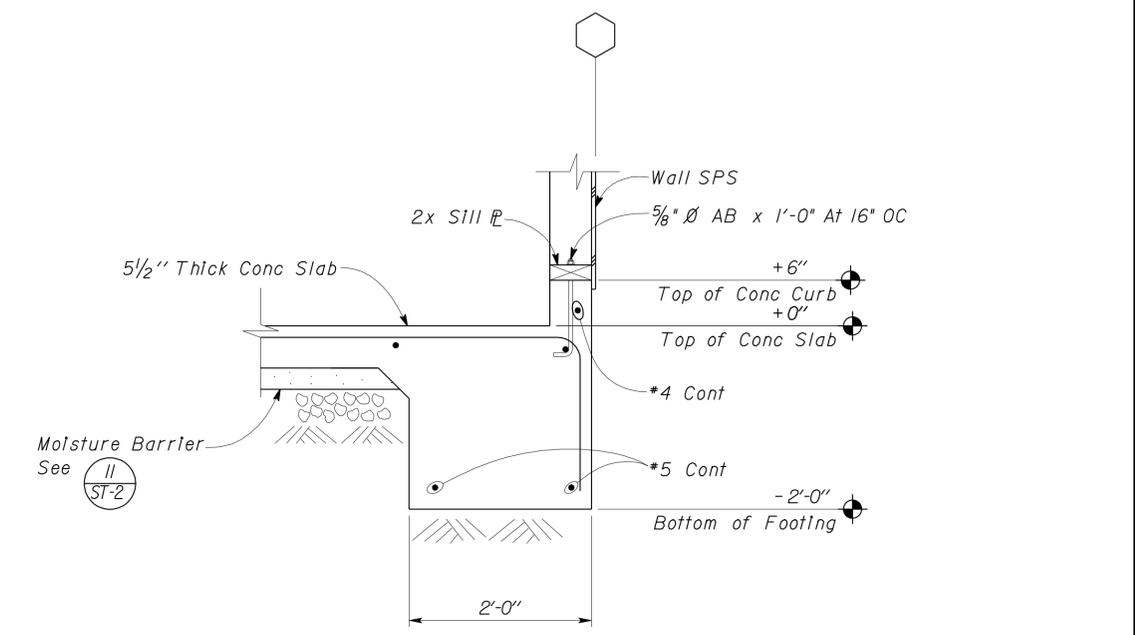
PLANS APPROVAL DATE 6-13-11

REGISTERED PROFESSIONAL ENGINEER
Tahir Rashid
No. 61932
Exp. 9-30-11
STATE OF CALIFORNIA

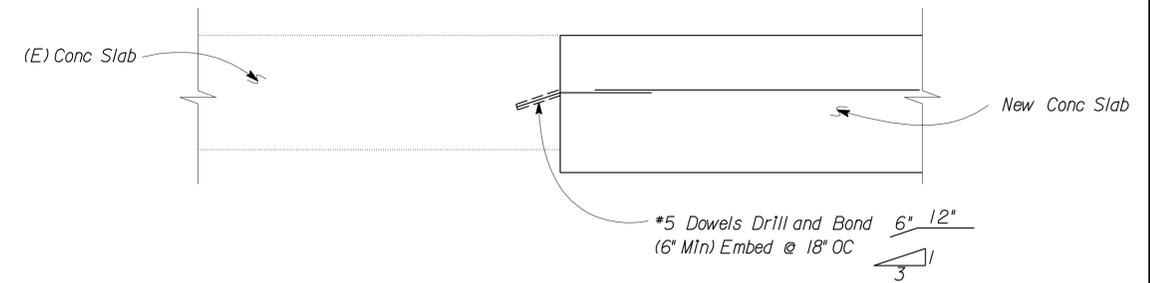
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1 SECTION
Scale 1/2" = 1'-0"



2 TYPICAL WALL FOOTING
Scale 1" = 1'-0"



3 DOWEL CONNECTION
Scale 1 1/2" = 1'-0"

DESIGN	BY	Tahir Rashid	CHECKED	Chandra Bapat	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	DESERT CENTER MAINTENANCE STATION		SHEET ST1-3
	DETAILS	BY	Daniel Harakh	CHECKED			Tahir Rashid	56M5706	WELLHEAD SHED	
QUANTITIES	BY		CHECKED				POST MILE	105.5		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	REVISION DATES (PRELIMINARY STAGE ONLY)	
DOES SD IMPACT REPORT Rev. 7/10					UNIT PROJECT NUMBER & PHASE		3581 0800000539	DISREGARD PRINTS BEARING EARLIER REVISION DATES		06-20-10 07-02-10 07-09-10
					EA 0N7101		D:\User\Projects\Dist_08\0800000539_desert_ctr_ms\Expedite_12-10-10\st1_03.dgn		SHEET OF	

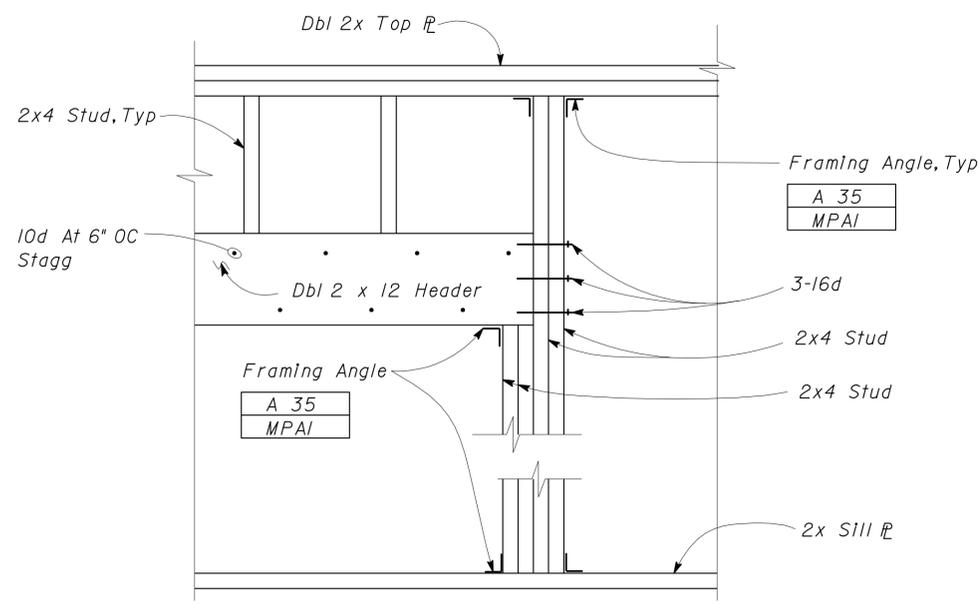
17-JUN-2011 15:01

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		35	69

Tahir Rashid
 REGISTERED CIVIL ENGINEER
 No. 61932
 Exp. 9-30-11
 DATE 10-26-10
 PLANS APPROVAL DATE 6-13-11

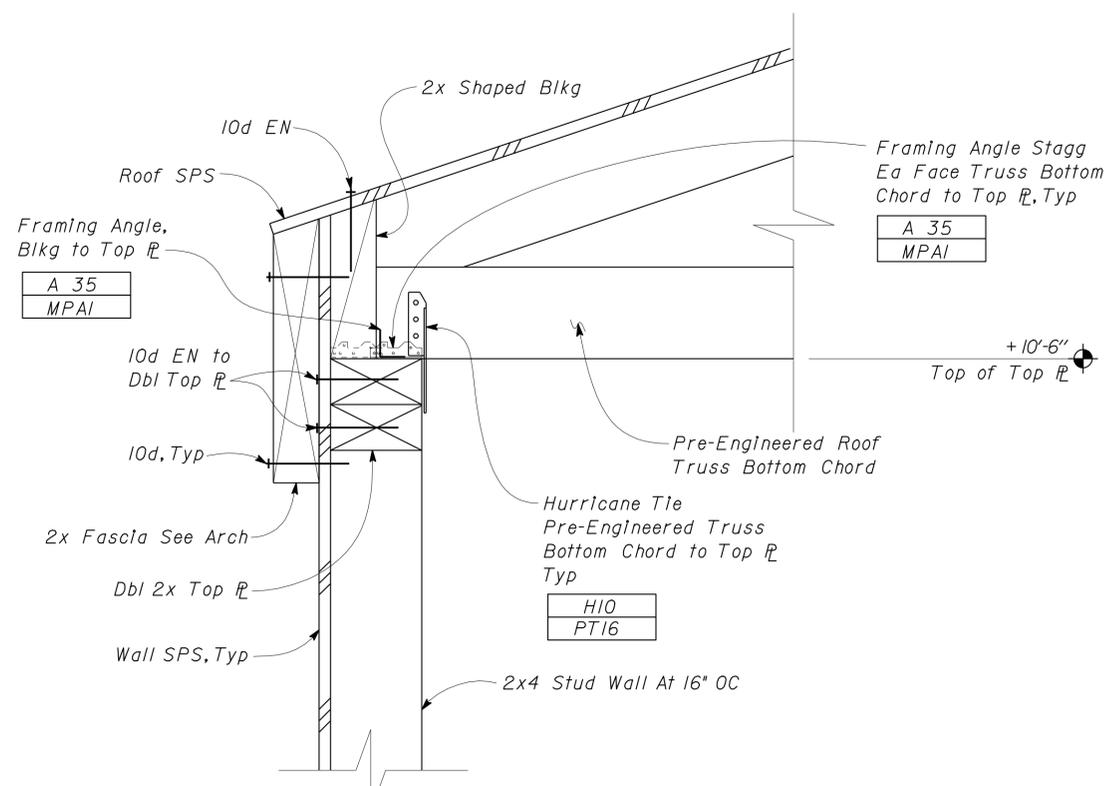
REGISTERED PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA

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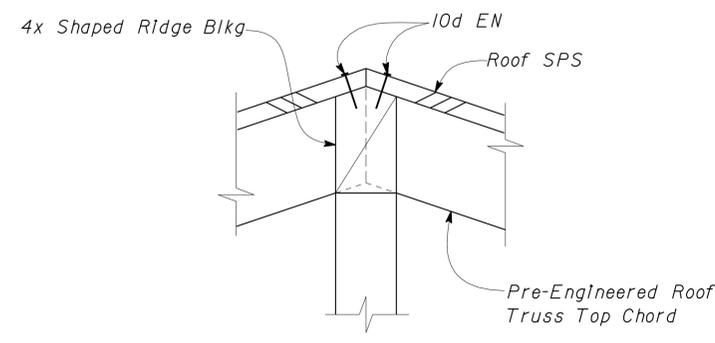


1 WALL OPENING SECTION
 Scale 1" = 1' - 0"

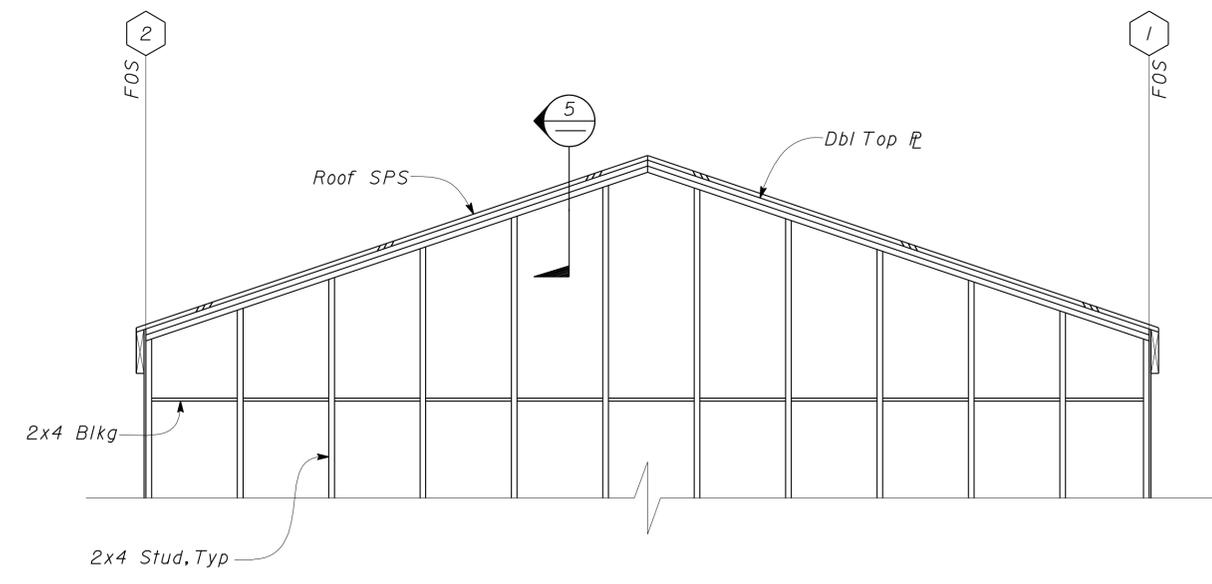
Note:
 For Info Not Shown
 See **1** ST-1B



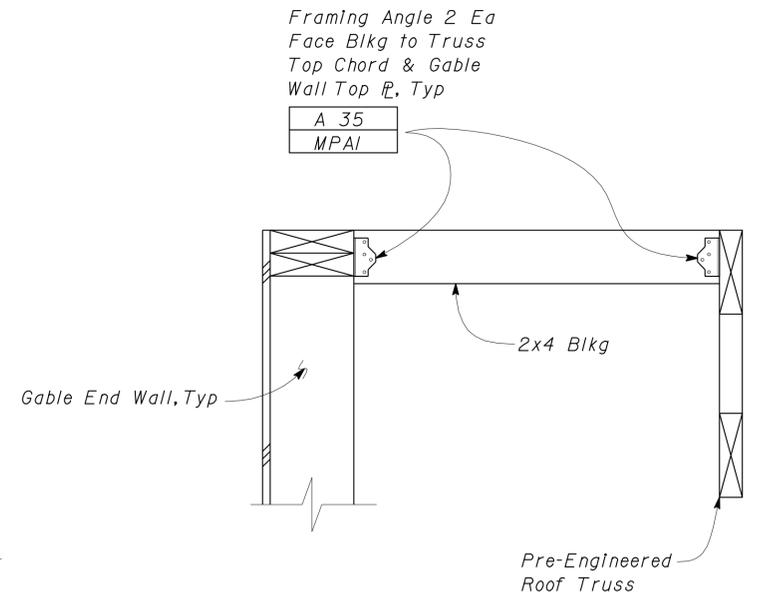
2 TRUSS TO WALL SECTION
 Scale 3" = 1' - 0"



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



4 GABLE END WALL
 Scale 1/4" = 1' - 0"



5 WALL TO TRUSS BLKG
 Scale 2" = 1' - 0"

DESIGN BY Tahir Rashid	CHECKED BY Chandra Bapat	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 56M5706	DESERT CENTER MAINTENANCE STATION	SHEET ST1-4
				POST MILE 105.5		WELLHEAD SHED
DETAILS BY Daniel Harakh	CHECKED BY Tahir Rashid	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3581 0800000539	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 06-20-10 07-02-10	SHEET OF
QUANTITIES BY	CHECKED	EA 0N7101				

GRAPHIC SYMBOLS FOR ELECTRICAL WIRING AND LAYOUT DIAGRAMS

SYMBOL	DESCRIPTION
	POLE-TOP ELECTROLIER
	POLE-ARM ELECTROLIER
CEILING WALL	
	SURFACE FLUORESCENT, METAL HALIDE OR SODIUM VAPOR FIXTURE
	RECESSED FLUORESCENT, METAL HALIDE, OR SODIUM VAPOR FIXTURE
	EXIT LIGHT
	SURFACE OR PENDANT INDIVIDUAL FLUORESCENT FIXTURE
	RECESSED INDIVIDUAL FLUORESCENT FIXTURE
	SURFACE OR PENDANT CONTINUOUS ROW FLUORESCENT FIXTURES
NOTE:	A LOWER CASE LETTER NEAR GRAPHIC LIGHTING FIXTURE SYMBOL DENOTES THAT FIXTURE IS CONTROLLED BY A SIMILARLY MARKED SWITCH, AN ALPHANUMERIC SYMBOL NEAR GRAPHIC LIGHTING FIXTURE SYMBOL DENOTES FIXTURE TYPE, (I=INCANDESCENT, F=FLUORESCENT, MH=METAL HALIDE, H=HIGH PRESSURE SODIUM VAPOR), DESIGN TYPE, NUMBER OF LAMPS AND WATTAGE. EXAMPLE: (4) F 2 - 2 x 32 <div style="margin-left: 20px;"> <p>32 WATT LAMPS 2 LAMPS DESIGN TYPE FLUORESCENT NUMBER OF FIXTURES</p> </div>
	BLANK OUTLET
	JUNCTION BOX
	DROP CORD
	SINGLE RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET (WITH GFCI)
	DUPLEX RECEPTACLE OUTLET, WEATHERPROOF (WITH GFCI)
	FOURPLEX RECEPTACLE
	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
S	SINGLE POLE SWITCH
S ₂	DOUBLE POLE SWITCH
S ₃	THREE WAY SWITCH
S ₄	FOUR WAY SWITCH
SD	AUTOMATIC DOOR
S _K	KEY OPERATED SWITCH
S _P	SWITCH AND PILOT LIGHT
S _{MC}	MOMENTARY CONTACT SWITCH
S _{RC}	REMOTE CONTROL SWITCH
S _{WP}	WEATHERPROOF SWITCH
S _F	FAN SWITCH
S _L	LIGHT SWITCH
S _H	HEATER SWITCH
S _{VS}	VARIABLE SPEED MOTOR CONTROL SWITCH
S _{CHLF}	TWO TIMER SWITCHES, ONE SWITCH FOR LIGHT AND FAN AND ONE SWITCH FOR HEAT LAMP

SYMBOL	DESCRIPTION
S ₁	OCCUPANCY SENSOR WALL SWITCH, SINGLE LEVEL
S ₂	OCCUPANCY SENSOR WALL SWITCH, BILEVEL
S _M	MOTION SENSOR SWITCH
ST	MANUAL MOTOR STARTING SWITCH, THERMAL OVERLOAD TYPE
S _{HP}	MANUAL MOTOR STARTING SWITCH, WITHOUT OVERLOAD ELEMENT
T _s	TIMER SWITCH
	SWITCH AND SINGLE RECEPTACLE
	SWITCH AND DUPLEX RECEPTACLE
	HAND DRYER NOZZLE
	HAND DRYER
	RADIO OUTLET
	COMMUNICATION OUTLET
	SOUND SYSTEM LOUD SPEAKER OUTLET
	PUSHBUTTON
	PUSHBUTTON STATION, NC, WITH LOCKING DEVICE FOR OPEN
	PUSHBUTTON STATION MOTOR CONTROL
	BUZZER
	BELL
	COMBINATION BELL-BUZZER
	THERMOSTAT
	PRESSURE SWITCH
	CONTROL RELAY
	FLOW SWITCH
	PHOTOELECTRIC CELL
	RADIO OUTLET
	TELEVISION OUTLET
	MICROPHONE OUTLET
	FLUSH-MOUNTED PANELBOARD AND CABINET
	SURFACE-MOUNTED PANELBOARD AND CABINET
	LIGHTING PANEL
	POWER PANEL
	COMBINATION LIGHTING AND POWER
	MOTOR CONTROLLER
	DISCONNECT SWITCH
	CONDUIT CONCEALED IN CEILING OR WALL
	CONDUIT CONCEALED IN FLOOR
	CONDUIT EXPOSED
	CROSS-LINES INDICATE NUMBER OF #12 AWG CONDUCTORS. LONGER CROSS-LINE INDICATES #12 AWG (G) FOR EQUIPMENT GROUNDING CONDUCTOR. NO CROSS-LINE INDICATES 2#12 WITH #12 (G) UNLESS OTHERWISE NOTED. ALL CONDUIT SHALL BE 1/2" UNLESS OTHERWISE NOTED.
	HOMERUN TO PANELBOARD, ARROWS INDICATE NUMBER OF CIRCUITS, LETTER DENOTES PANELBOARD, NUMERAL DENOTES CIRCUIT.
	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)
	CONDUIT, RIGID STEEL, UNDERGROUND
	CONDUIT, POLYVINYL CHLORIDE, UNDERGROUND
	CONDUIT, FLEXIBLE
	CONDUIT, TURN UP
	CONDUIT, TURN DOWN
	CONDUIT SEAL, EXPLOSION-PROOF
	CONDUIT, EXPANSION JOINT
	ADAPTER, ONE TYPE CONDUIT TO ANOTHER
	POLE

SYMBOL	DESCRIPTION
	OCCUPANCY SENSOR
	OCCUPANCY SENSOR POWER PACK
	HEAT DETECTOR
	SMOKE DETECTOR
	MANUAL PULL STATION
	AUDIO/VISUAL ALARM DEVICE
	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
	EXISTING CONDUIT AND CONDUCTORS-TO REMAIN UNLESS OTHERWISE NOTED
	EXISTING CONDUIT AND CONDUCTORS-REMOVE
	EXISTING SWITCH-TO REMAIN
	EXISTING SWITCH-REMOVE
	EXISTING JUNCTION BOX-TO REMAIN
	EXISTING JUNCTION BOX-REMOVE

STANDARD NOTES

	ABANDON, IF APPLIED TO CONDUIT, REMOVE CONDUCTORS.
	INSTALL PULL BOX IN EXISTING CONDUIT RUN.
	INSTALL CONDUIT INTO EXISTING PULL BOX.
	CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED.
	CONDUIT TO REMAIN FOR FUTURE USE. REMOVE CONDUCTORS, INSTALL PULL ROPE AND PLUG.
	REMOVE FOUNDATION ABOVE GRADE AND ABANDON FOUNDATION BELOW GRADE.
	RELOCATE EQUIPMENT.
	RELOCATED EQUIPMENT.
	SPLICE NEW TO EXISTING CONDUCTORS.

STANDARD PLANS

DATED MAY, 2006

- RSP ES-IA • ES-8
- RSP ES-IB • ES-13A
- RSP ES-IC

GRAPHIC SYMBOLS FOR ELECTRICAL DIAGRAMS

SYMBOL	DESCRIPTION
	CIRCUIT BREAKER, SINGLE POLE
	CIRCUIT BREAKER, DOUBLE POLE
	CIRCUIT BREAKER, THREE POLE
	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

PROJECT NOTES

- A. SEPARATE GROUNDED (NEUTRAL) CONDUCTOR SHALL BE USED FOR EACH 120-VOLT CIRCUIT.
- B. HOMERUNS TO PANELBOARDS SHALL BE INSTALLED AS SHOWN ON THE PLANS. HOMERUNS SHALL NOT BE COMBINED.
- C. A SINGLE INSULATED EQUIPMENT GROUNDING CONDUCTOR (SIZED AS REQUIRED) SHALL BE INSTALLED IN EACH CONDUIT RUN.

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		36	69

6-13-11
PLANS APPROVAL DATE

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CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:

Approval date: 12-20-10

ABBREVIATIONS

A	AMPERES
A/C	AIR CONDITIONING UNIT
ACS	AIR COMPRESSOR STARTER
AI	ANALOG INPUT
AL	ALARM LIGHT
AO	ANALOG OUTPUT
AVC	AIR VOLUME CONTROLLER
BD	BUILDING DISCONNECT
BRK	BREAKER
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CR	CONTROL RELAY
CSW	CURRENT SWITCH
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
DP	DUPLEX PLUG RECEPTACLE
DS	DOOR SWITCH
(E)	EXISTING
EF	EXHAUST FAN
F	FUSE
FL	FAILURE LIGHT
FLA	FLASHER
FLEX	FLEXIBLE CONDUIT
FLS	FLOW SWITCH
FO	FIBER OPTIC
FR	FAILURE RESET
FS	FLOAT SWITCH
G	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRS	GALVANIZED RIGID STEEL
IR	INDUCTION RELAY
JB	JUNCTION BOX
L	LIGHT
LC	LIGHTING CONTACTOR
LCP	LIGHTING CONTROL PANEL
LD	LIGHT DISCONNECT
LL	LIQUID LEVEL RELAY
LLC	LIQUID LEVEL CONTROLLER
LP	LIGHT PANEL
LS	LIGHT SWITCH
LT	LIGHT TRANSFORMER
LTO	LIGHT TRANSFORMER OVERLOAD
MB	MAIN BREAKER
MC	METALLIC CONDUIT
MCP	MOTOR CIRCUIT PROTECTOR
MCC	MOTOR CONTROL CENTER
MSB	MAIN SWITCHBOARD
MT	EMPTY CONDUIT
(N)	NEW
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NSW	NEUTRAL SWITCHING BREAKER
OL	OVERLOAD
P	POLE
PB	PULL BOX
PB	PUSHBUTTON
PFR	PHASE FAILURE RELAY
PFRD	PHASE FAILURE RELAY DISCONNECT
PEC	PHOTOELECTRIC CELL
PL	PILOT LIGHT
PS	PRESSURE SWITCH
PTS	POWER TRANSFER SWITCH
PVC	POLYVINYL CHLORIDE
RES	RESISTOR
RTB	RADIO TERMINAL BOARD
S	STARTER COIL
SFR	SERVICE DISCONNECT
SD	SEAL FAILURE RELAY
SL	SUMP LIGHT
SPR	STANDBY POWER RECEPTACLE
SS	SELECTOR SWITCH
ST	STARTER
SV	SOLENOID VALVE
T	TRANSFORMER
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
UPS	UNINTERRUPTIBLE POWER SUPPLY
WLS	WATER LEVEL SWITCH
WP	WEATHERPROOF

DESIGN BY <i>Joseph Abdelsayed</i>	CHECKED <i>J.S. Sandhu</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 56M5706	DESERT CENTER MAINTENANCE STATION	SHEET
DETAILS BY <i>Joseph Abdelsayed</i>	CHECKED <i>J.S. Sandhu</i>		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE 105.5		EE-0
QUANTITIES BY <i>Joseph Abdelsayed</i>	CHECKED <i>J.S. Sandhu</i>					LEGEND

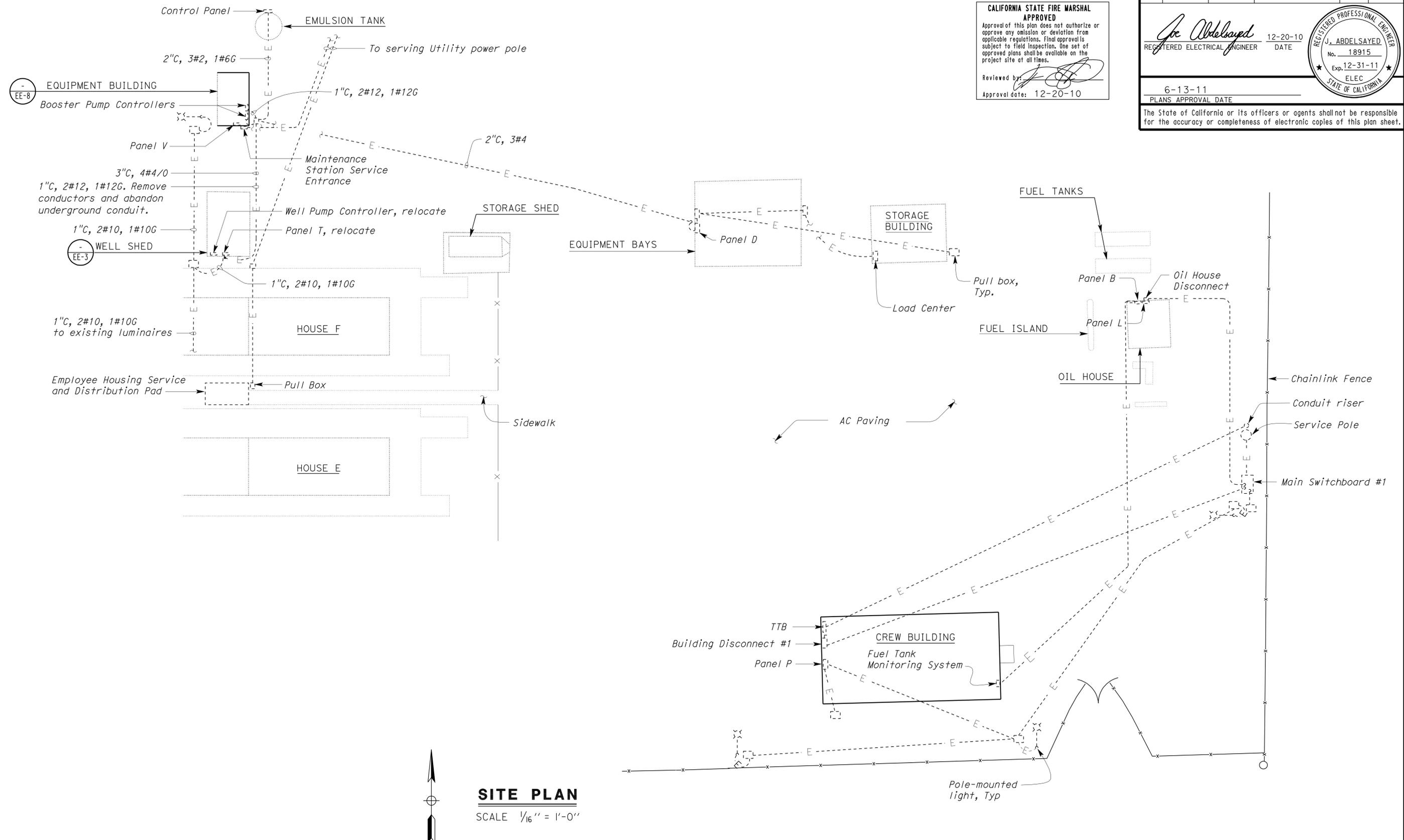
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		37	69

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 Reviewed by: *[Signature]*
 Approval date: 12-20-10

J. Abdelsayed
 REGISTERED ELECTRICAL ENGINEER DATE 12-20-10
 No. 18915
 Exp. 12-31-11
 ELEC
 STATE OF CALIFORNIA

6-13-11
 PLANS APPROVAL DATE

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SITE PLAN
 SCALE 1/16" = 1'-0"

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

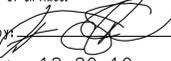
DESIGN SUPERVISOR <i>J. Schreff</i>	DESIGN BY	Joseph Abdelsayed	CHECKED	J.S. Sandhu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	56M5706	DESERT CENTER MAINTENANCE STATION	SHEET EE-1	
	DETAILS BY	Dali Zhou	CHECKED	Joseph Abdelsayed			POST MILE	105.5			
DESIGN ENGINEER <i>Joseph Abdelsayed</i>	QUANTITIES BY	Joseph Abdelsayed	CHECKED	J.S. Sandhu	UNIT PROJECT NUMBER & PHASE	3596 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES			REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0 1 2 3			4/20/10 11/22/10 12/20/10			15 OF 15

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		38	69

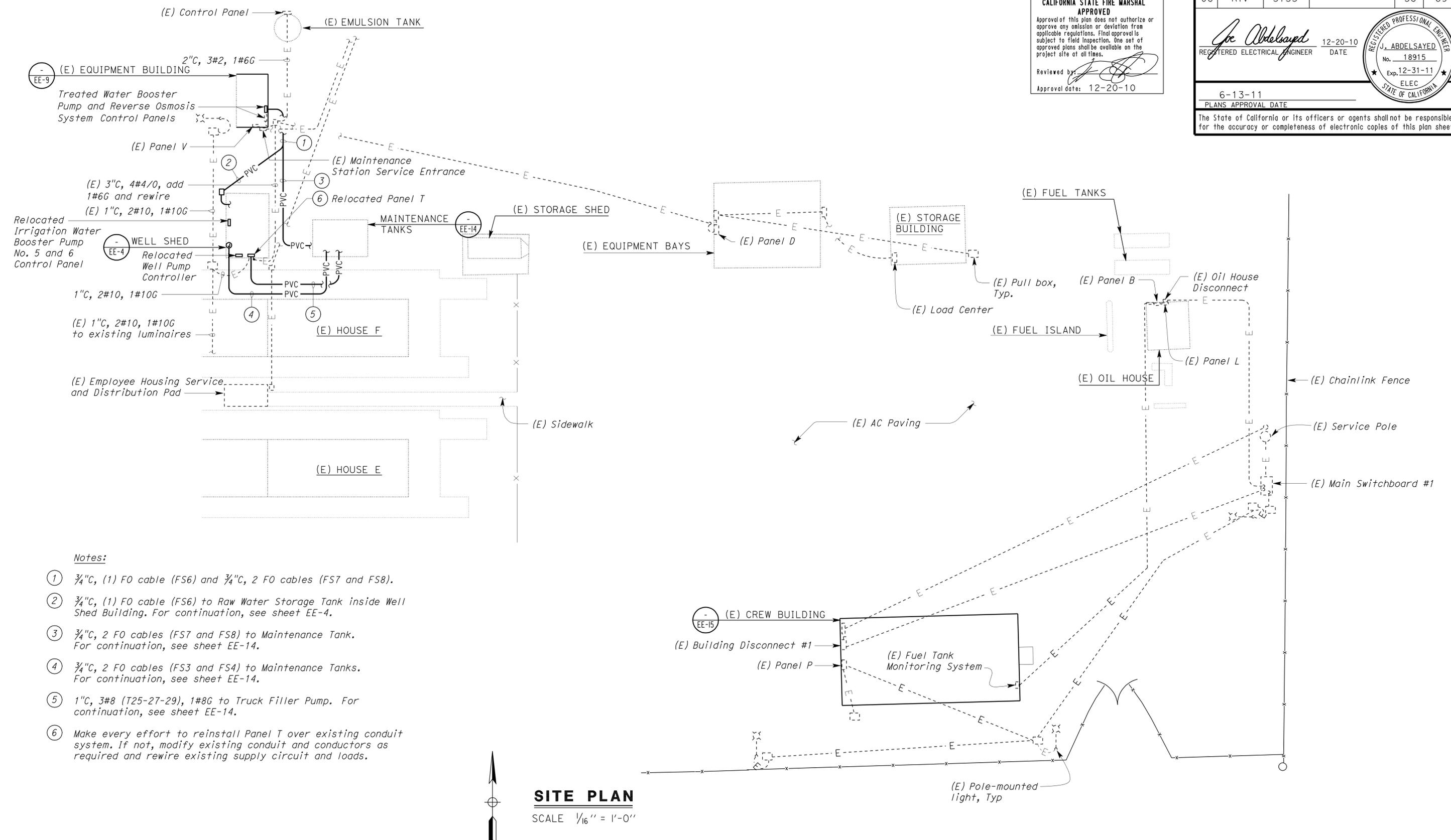
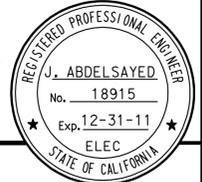
 REGISTERED ELECTRICAL ENGINEER		12-20-10 DATE
6-13-11 PLANS APPROVAL DATE		
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Reviewed by: 

Approval date: 12-20-10

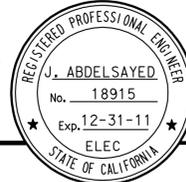


- Notes:**
- ① 3/4"C, (1) FO cable (FS6) and 3/4"C, 2 FO cables (FS7 and FS8).
 - ② 3/4"C, (1) FO cable (FS6) to Raw Water Storage Tank inside Well Shed Building. For continuation, see sheet EE-4.
 - ③ 3/4"C, 2 FO cables (FS7 and FS8) to Maintenance Tank. For continuation, see sheet EE-14.
 - ④ 3/4"C, 2 FO cables (FS3 and FS4) to Maintenance Tanks. For continuation, see sheet EE-14.
 - ⑤ 1"C, 3#8 (T25-27-29), 1#8G to Truck Filler Pump. For continuation, see sheet EE-14.
 - ⑥ Make every effort to reinstall Panel T over existing conduit system. If not, modify existing conduit and conductors as required and rewire existing supply circuit and loads.

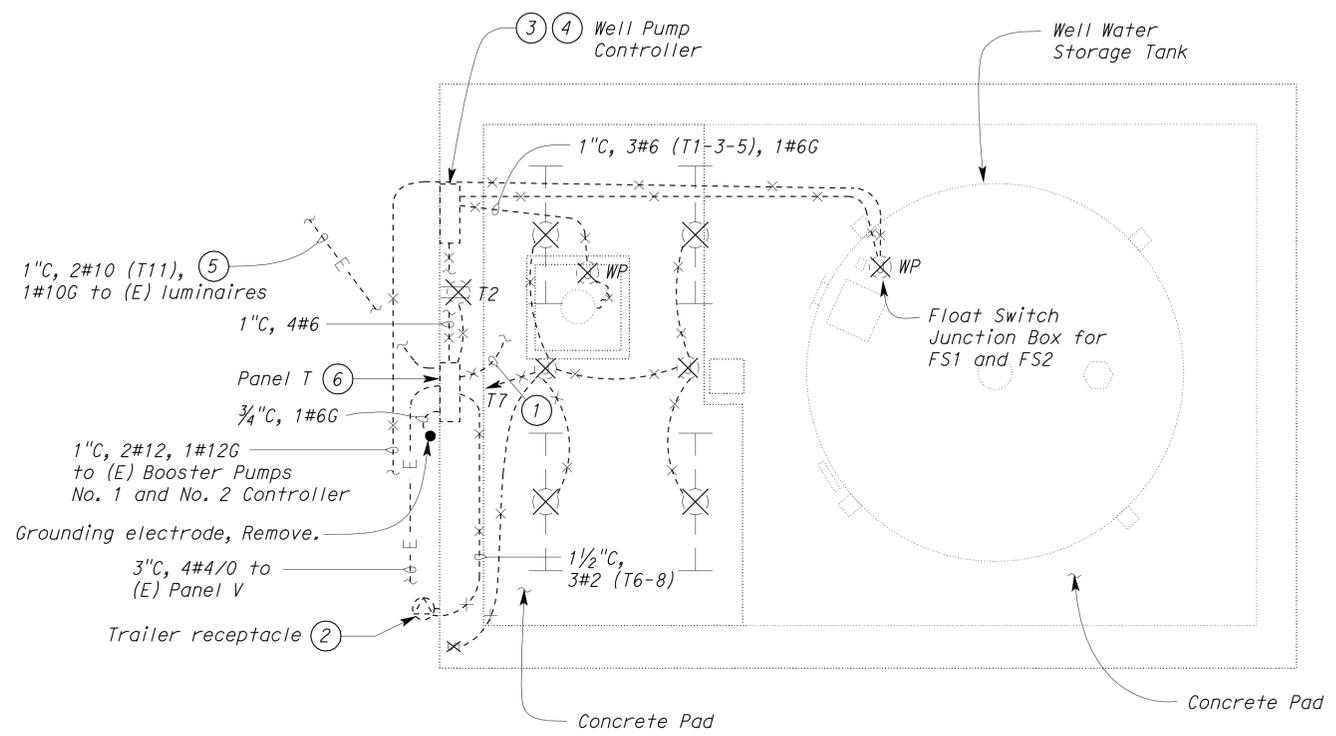
SITE PLAN
SCALE 1/16" = 1'-0"

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5706	DESERT CENTER MAINTENANCE STATION	SHEET EE-2
			POST MILE 105.5		
DETAILS BY <i>Dali Zhou</i> CHECKED <i>Joseph Abdelsayed</i>	UNIT PROJECT NUMBER & PHASE 3596 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
QUANTITIES BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	4/20/10 11/20/10 12/20/10			

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		39	69
Reviewed by: <i>J. Abdelsayed</i> Approval date: 12-20-10			12-20-10 DATE		
6-13-11 PLANS APPROVAL DATE					
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 Reviewed by: *J. Abdelsayed*
 Approval date: 12-20-10



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

General Note:

- A. For removal of well shed building, water storage tank, concrete pad, and building related accessories, see Water and Waste Water plans.

Notes:

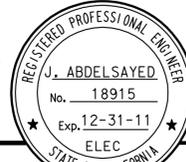
- 1 Existing 1" C, 1#2G to cold water pipe.
- 2 Remove Trailer receptacle and re-install on new Well Shed structure.
- 3 Relocate Well Pump Controller. For continuation, see sheet EE-4.
- 4 For existing Well Pump Control Schematic, see sheet EE-5.
- 5 Conduit and conductors to remain. Protect this conduit and conductors during construction for re-use. For continuation, see sheet EE-1.
- 6 Panel T. Relocate Panel T and perform the following:
 -Make all arrangements to supply existing loads such as area lights temporarily during construction.
 -Protect conduit and conductors that are to remain during construction for re-use.
 -For relocation of Panel T, see sheet EE-4.

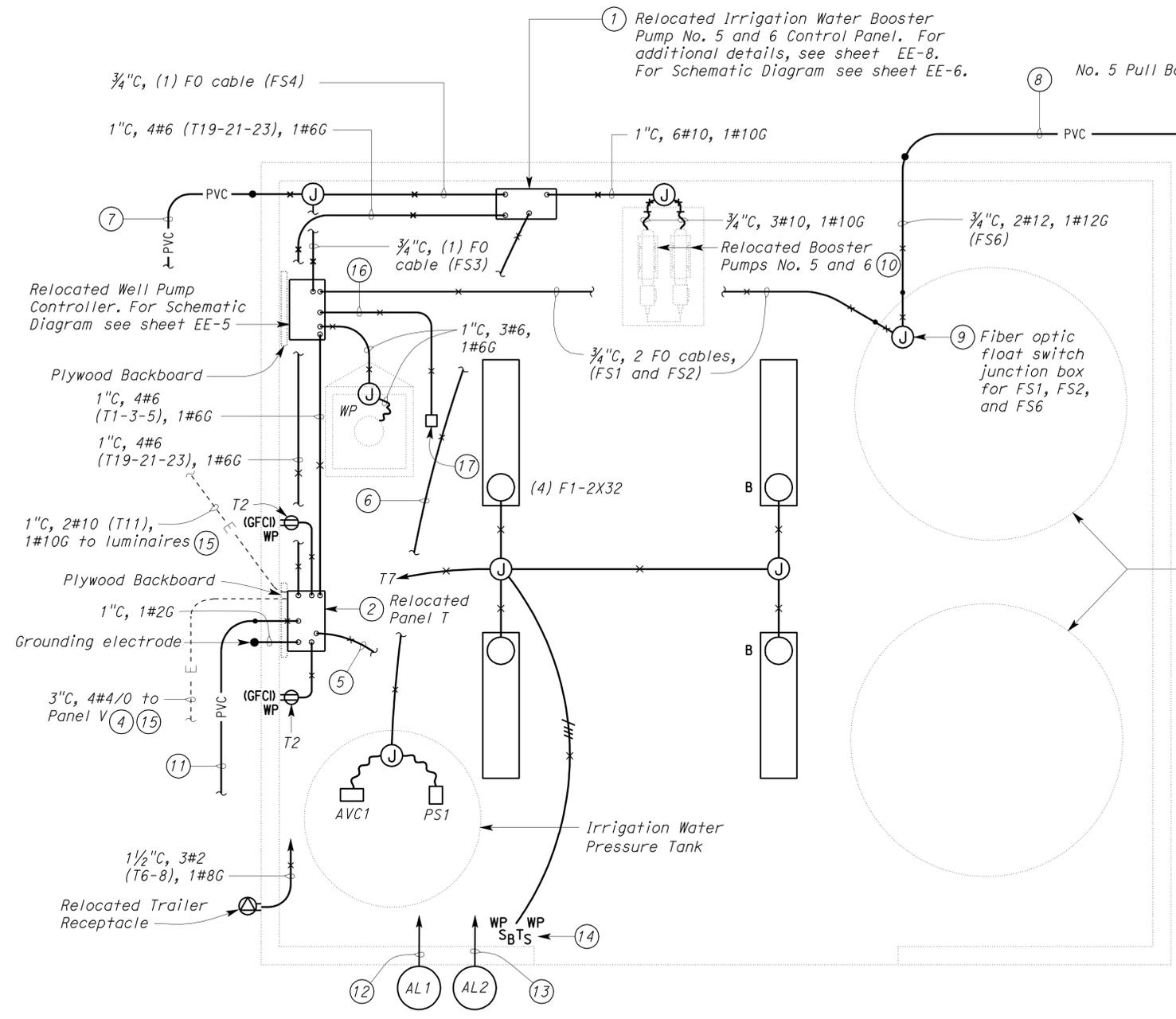
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DESIGN BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	DESERT CENTER MAINTENANCE STATION	SHEET
			56M5706		
DETAILS BY <i>Dali Zhou</i> CHECKED <i>Joseph Abdelsayed</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3596 08000005391	POST MILE	EXISTING WELL SHED POWER AND LIGHTING PLAN	OF
QUANTITIES BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i>			105.5		
DOES SD Imperial Rev. 1/07	0 1 2 3	EA ON7101	DISREGARD PRINTS BEARING EARLIER REVISION DATES	4/20/10 11/22/10 12/20/10	

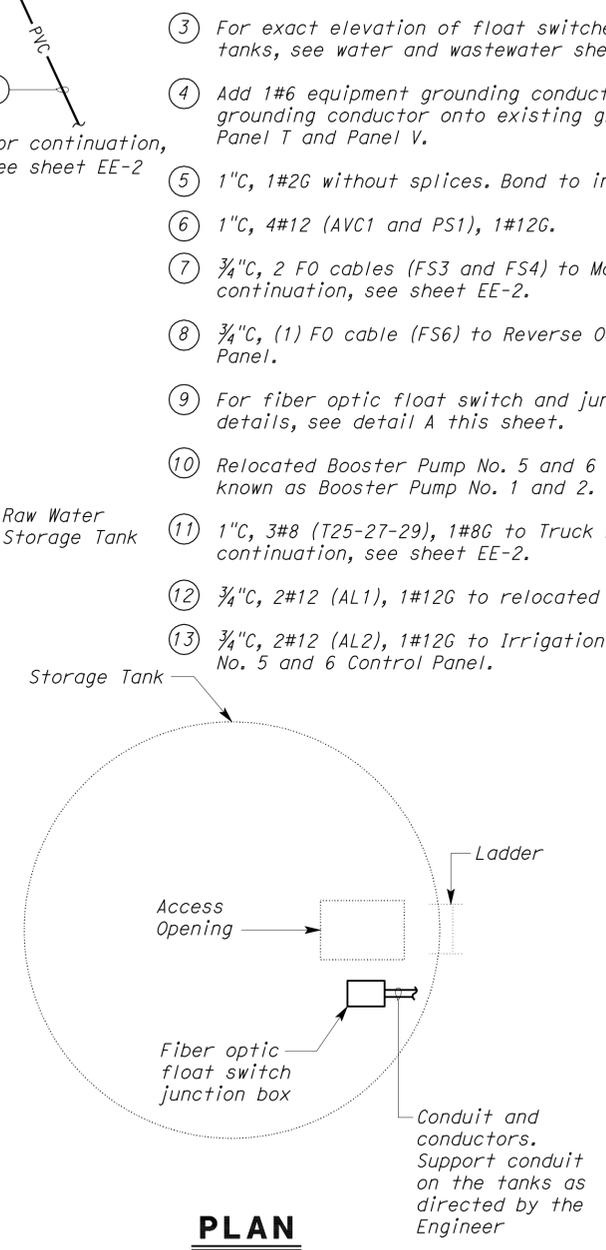
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		40	69

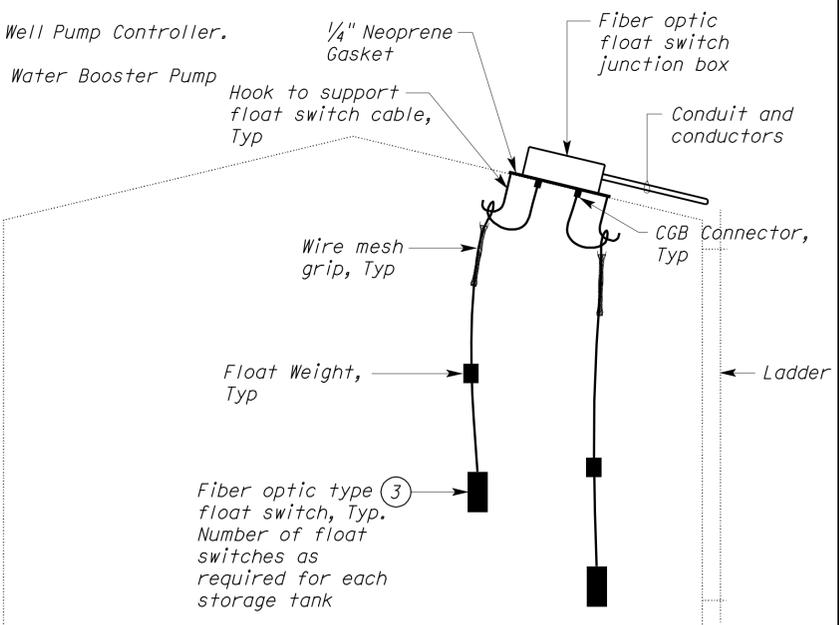
	
 REGISTERED ELECTRICAL ENGINEER	12-20-10 DATE
6-13-11 PLANS APPROVAL DATE	
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PLAN
SCALE 1/2" = 1'-0"



PLAN



ELEVATION

1 FLOAT SWITCH JUNCTION BOX DETAIL

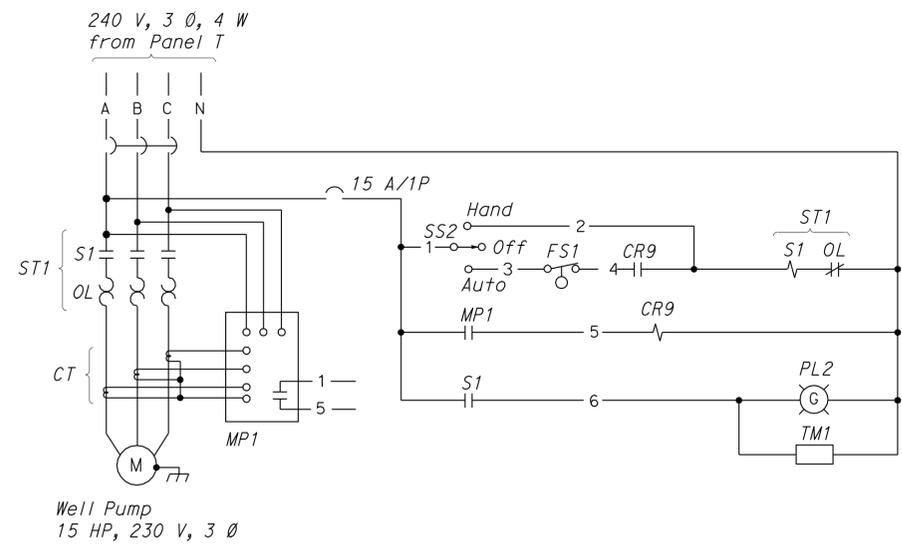
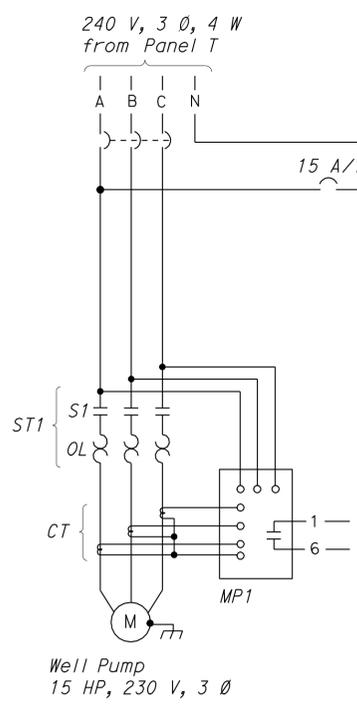
NO SCALE THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN BY <i>Joseph Abdelsayed</i>	CHECKED <i>J.S. Sandhu</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5706	DESERT CENTER MAINTENANCE STATION	SHEET EE-4				
				POST MILE 105.5			MODIFIED WELL SHED POWER AND LIGHTING PLAN			
DETAILS BY <i>Joseph Abdelsayed</i>	CHECKED <i>J.S. Sandhu</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3596 08000005391	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF			
QUANTITIES BY <i>Joseph Abdelsayed</i>	CHECKED <i>J.S. Sandhu</i>			<table border="1"> <tr> <td>4/20/10</td> <td>11/22/10</td> <td>12/20/10</td> <td></td> <td></td> <td></td> </tr> </table>				4/20/10	11/22/10	12/20/10
4/20/10	11/22/10	12/20/10								
DOES SD Imperial Rev. 1/07		EA ON7101		DISREGARD PRINTS BEARING EARLIER REVISION DATES			ee_04.dgn			

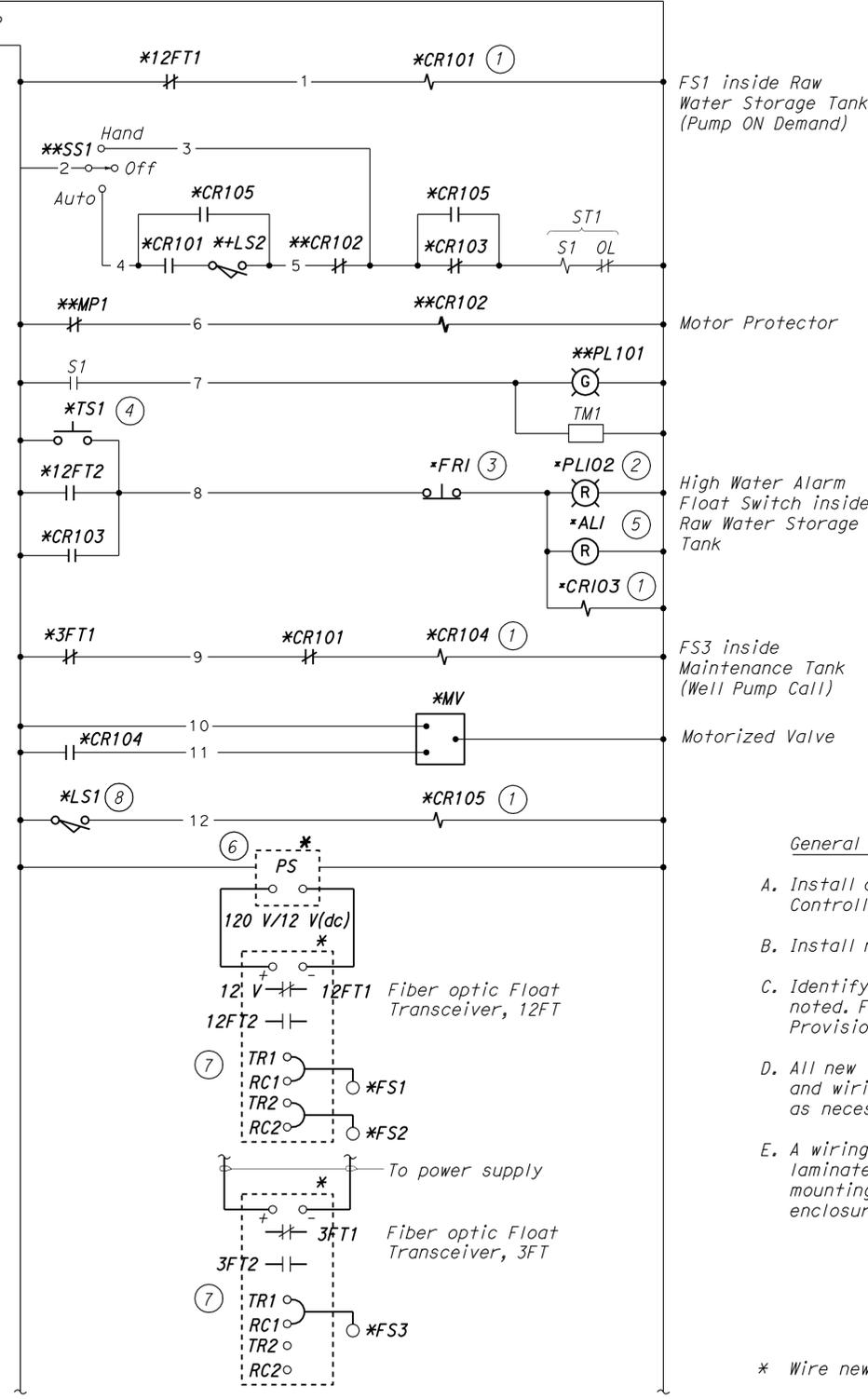
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Notes:

- ① Control relay shall be 120 Volts, AC, general purpose relay with three poles, double throw, 10 Amperes, 120 Volts, AC, contacts. Relay shall be enclosed in clear plastic with 11 pin tube type plug base, Socket for relay shall be barrier type, 11 contact relay socket with 10 amperes contacts and screw terminals.
- ② Pilot Light shall be panel mouted, 120 Volts, (AC), high visibility light emitting diode (LED) type lamp with colored plastic lens and screw cap. Color of lens shall be as shown on the schematic.
- ③ Failure reset shall be heavy duty oil-tight push button with one normally closed contact. The contact shall have on in ductive pilot duty rating of 60Amperes (make), 6 Amperes (break) and 10 Amperes (continuous) at 120 Volts and 35 percent power factor.
- ④ Test Switch shall be the same as failure reset, except the contact for test switch shall be normally open.
- ⑤ Alarm light shall be fluorescent, weatherproof light fixture for use with threaded rigid conduit. Light fixture shall have guard and red globe approximately 6 inches in lenght. Lamp shall be two 9 watt, 120 Volts standard service fluorescent lamp, complete with ballast and screw on type base.
- ⑥ Power supply shall be 10 watts UL Listed Class 2, din-rail mounted type power supply suitable for 120-volts AC input and 12-volt DC output.
- ⑦ Firber optic float transceiver. Float transceiver shall be fully solid state and din-rail mouted type transceiver suitable for connecting to fiber optic float switches. Transceiver shall be of minimum two channel output type device with output relay for each channel. Output relay contact shall be rated at 3 Amperes at 120/240 Volts, AC.
- ⑧ Motorized vaive normally open limit switch.



EXISTING



MODIFIED

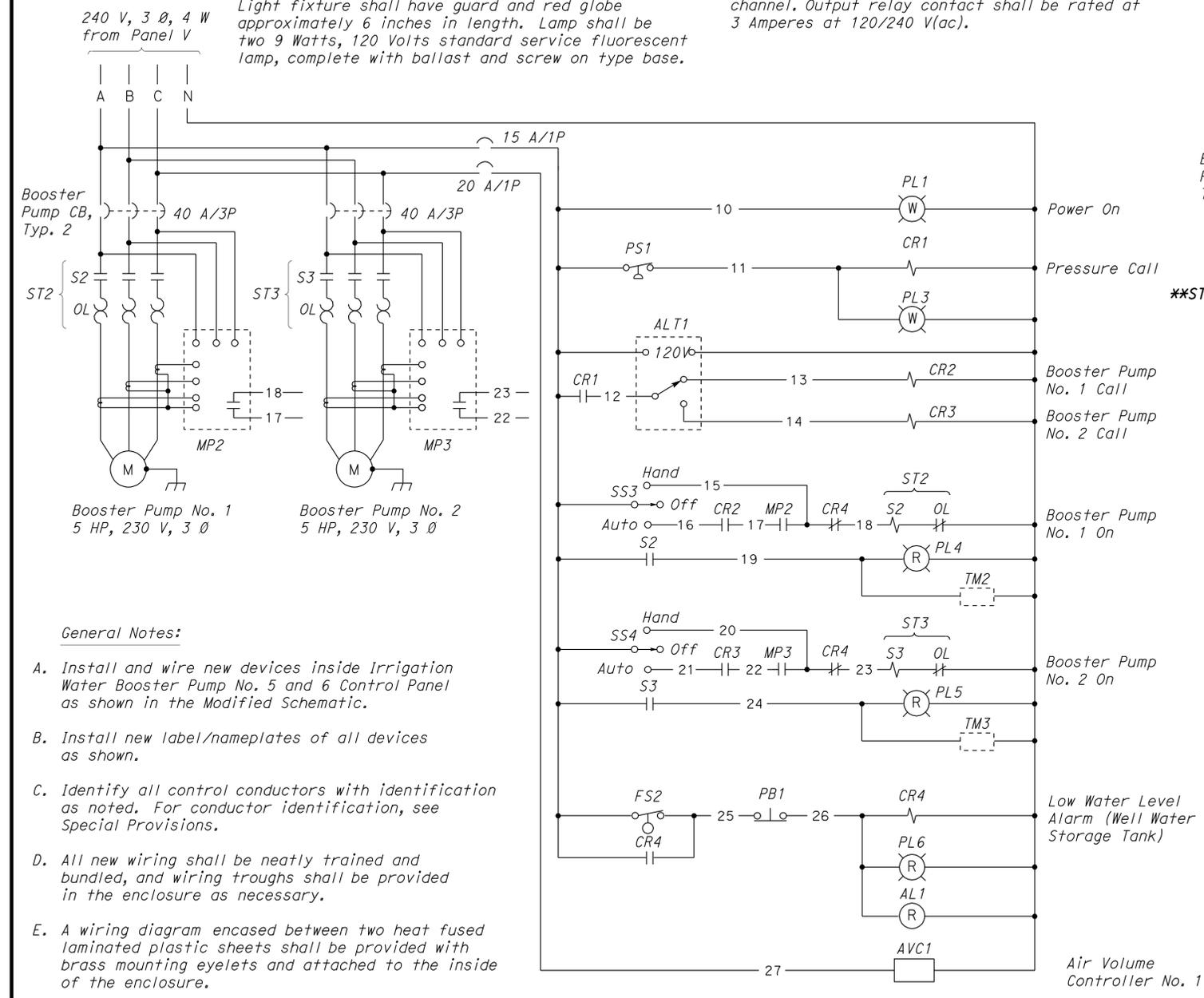
General Notes:

- A. Install and wire new devices inside existing Well Pump Controller as shown in the modified schematic.
- B. Install new label/nameplates of all devices as shown.
- C. Identify all control conductors with identification as noted. For conductor identification, see Special Provisions.
- D. All new wiring shall be neatly trained and bundled, and wiring troughs shall be provided in the enclosure as necessary.
- E. A wiring diagram encased between two heat fused laminated plastic sheets shall be provided with brass mounting eyelets and attached to the inside of the enclosure.

* Wire new device as shown in existing circuitry
 ** Rename existing device/wire ID with new nameplate/wire ID as noted.

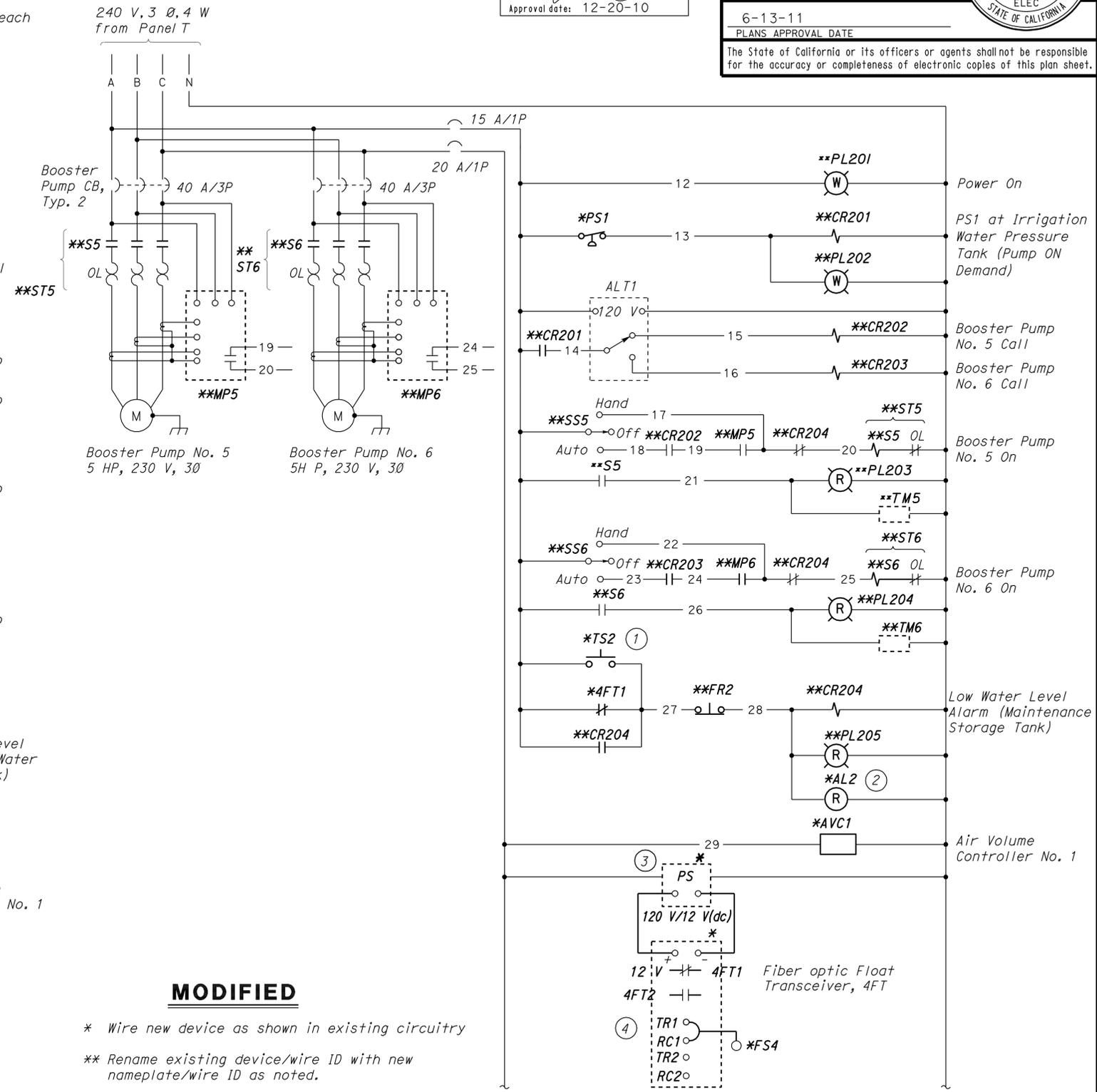
Notes:

- Test Switch shall be heavy duty oil-tight push button with one normally open contact. The contact shall have an inductive pilot duty rating of 60 Amperes (make), 6 Amperes (break) and 10 amperes (continuous) at 120 Volts and 35 percent power factor.
- Alarm light shall be fluorescent, weatherproof light fixture for use with threaded rigid conduit. Light fixture shall have guard and red globe approximately 6 inches in length. Lamp shall be two 9 Watts, 120 Volts standard service fluorescent lamp, complete with ballast and screw on type base.
- Power supply shall be 10 Watts UL Listed Class 2, din-rail mounted type power supply suitable for 120 V(ac) input and 12 V(dc) output.
- Fiber optic float transceiver. Float transceiver shall be fully solid state and din-rail mounted type transceiver suitable for connecting to fiber optic float switches. Transceiver shall be of minimum two channel input type device with output relay for each channel. Output relay contact shall be rated at 3 Amperes at 120/240 V(ac).



EXISTING

(Formerly known as Booster Pump No. 1 and 2 Controller)



MODIFIED

- * Wire new device as shown in existing circuitry
- ** Rename existing device/wire ID with new nameplate/wire ID as noted.

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: [Signature]
 Approval date: 12-20-10

General Notes:

- Install and wire new devices inside Irrigation Water Booster Pump No. 5 and 6 Control Panel as shown in the Modified Schematic.
- Install new label/nameplates of all devices as shown.
- Identify all control conductors with identification as noted. For conductor identification, see Special Provisions.
- All new wiring shall be neatly trained and bundled, and wiring troughs shall be provided in the enclosure as necessary.
- A wiring diagram encased between two heat fused laminated plastic sheets shall be provided with brass mounting eyelets and attached to the inside of the enclosure.

DESIGN	BY Joseph Abdelsayed	CHECKED J.S. Sandhu
DETAILS	BY Joseph Abdelsayed	CHECKED J.S. Sandhu
QUANTITIES	BY Joseph Abdelsayed	CHECKED J.S. Sandhu

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

BRIDGE NO.	56M5706	DESERT CENTER MAINTENANCE STATION	SHEET EE-6
POST MILE	105.5		
IRRIGATION WATER BOOSTER PUMP NO. 5 AND 6 CONTROL PANEL SCHEMATIC		SHEET	OF

MAIN: 200 A/3P
VOLTS: 120/240 V, 3 Ø, 4 W

FEEDER SIZE: 4*4/0
LOCATION: WELL SHED

PANEL T

DESCRIPTION	AMPERES			BRK	CKT	A	B	C	CKT	BRK	AMPERES			DESCRIPTION	
	A	B	C								A	B	C		
WELL PUMP	42			100/3	1	•			2	20/1	2			RECEPTACLE	
		42			3	•			4	-		-			SPACE
			42		5	•			6	100/2				80	TRAILER OUTLET
LIGHTS - INTERIOR	3			20/1	7	•			8		80				
SPACE		-			9	•			10	-	-			SPACE	
LIGHTS - POLE ARM LUMINAIRE			6		11	•			12	20/1			-	SPARE	
SPARE	-			20/1	13	•			14	20/1	-			SPARE	
SPACE		-			15	•			16	-	-			SPACE	
SPACE			-		17	•			18	-			-	SPACE	
SPACE	-				19	•			20	-	-			SPACE	
SPACE		-			21	•			22	-	-			SPACE	
SPACE			-		23	•			24	-			-	SPACE	
SPACE	-				25	•			26	-	-			SPACE	
SPACE			-		27	•			28	-			-	SPACE	
SPACE			-		29	•			30	-			X	SPACE	

A	B	C	TOTAL CONNECTED LOAD (AMPERES PER PHASE)
127	42	128	

EXISTING

MAIN: 200 A/3P
VOLTS: 120/240 V, 3 Ø, 4 W

FEEDER SIZE: 4*4/0
LOCATION: WELL SHED

(E) PANEL T ①

DESCRIPTION	AMPERES			BRK	CKT	A	B	C	CKT	BRK	AMPERES			DESCRIPTION	
	A	B	C								A	B	C		
WELL PUMP	42			100/3	1	•			2	20/1	2			RECEPTACLE	
		42			3	•			4	-		-			SPACE
			42		5	•			6	100/2				80	TRAILER OUTLET
LIGHTS - INTERIOR	3			20/1	7	•			8		80				
SPACE		-			9	•			10	-	-			SPACE	
LIGHTS - POLE ARM LUMINAIRE			6		11	•			12	20/1			-	SPARE	
SPARE	-			20/1	13	•			14	20/1	-			SPARE	
SPACE		-			15	•			16	-	-			SPACE	
SPACE			-		17	•			18	-			-	SPACE	
IRRIGATION WATER BOOSTER PUMP No. 5 AND 6 CONTROL PANEL	30			50/3	19	•			20	-	-			SPACE	
		30			21	•			22	-	-			SPACE	
			30		23	•			24	-			-	SPACE	
TRUCK FILLER PUMP	22			50/3	25	•			26	-	-			SPACE	
		22			27	•			28	-			-	SPACE	
			22		29	•			30	-			-	SPACE	

A	B	C	TOTAL CONNECTED LOAD (AMPERES PER PHASE)
179	94	180	

MODIFIED

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: *J. Sandhu*
Approval date: 12-20-10

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		43	69

REGISTERED ELECTRICAL ENGINEER *J. Abdelsayed* DATE 12-20-10

REGISTERED PROFESSIONAL ENGINEER
J. ABDELSAYED
No. 18915
Exp. 12-31-11
ELEC
STATE OF CALIFORNIA

6-13-11
PLANS APPROVAL DATE

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

- Note:
- Perform the following inside Panel T:
 - Isolate the neutral bus from the ground bus.
 - Terminate all grounded circuit conductors onto the neutral bus.
 - Terminate all equipment grounding conductors and grounding electrode conductors onto the ground bus.

DESIGN BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	DESERT CENTER MAINTENANCE STATION	SHEET EE-7
			56M5706		
DETAILS BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3596 08000005391	POST MILE	PANEL T SCHEDULE	SHEET OF
QUANTITIES BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i>			105.5		
DOES SD Imperial Rev. 1/07	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	4/20/10	7/7/10	12/20/10

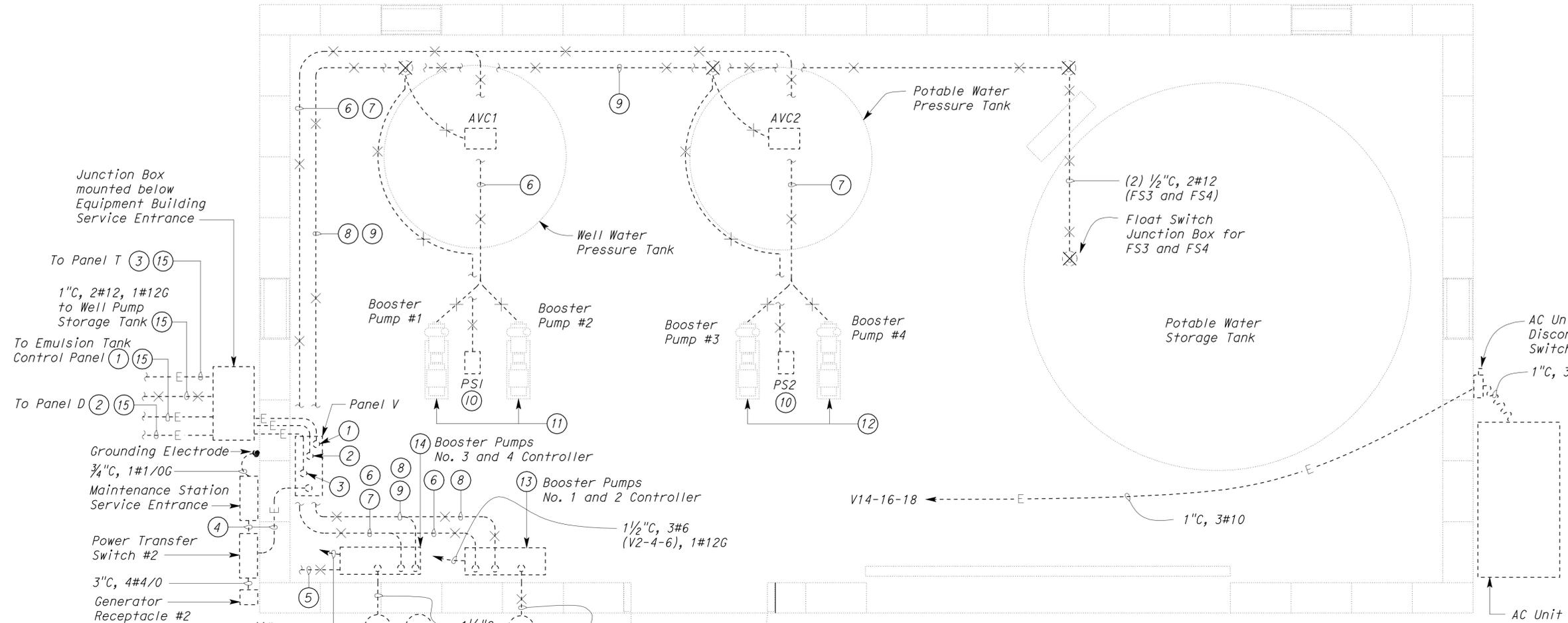
EA ON7101 ee_07.dgn

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		44	69

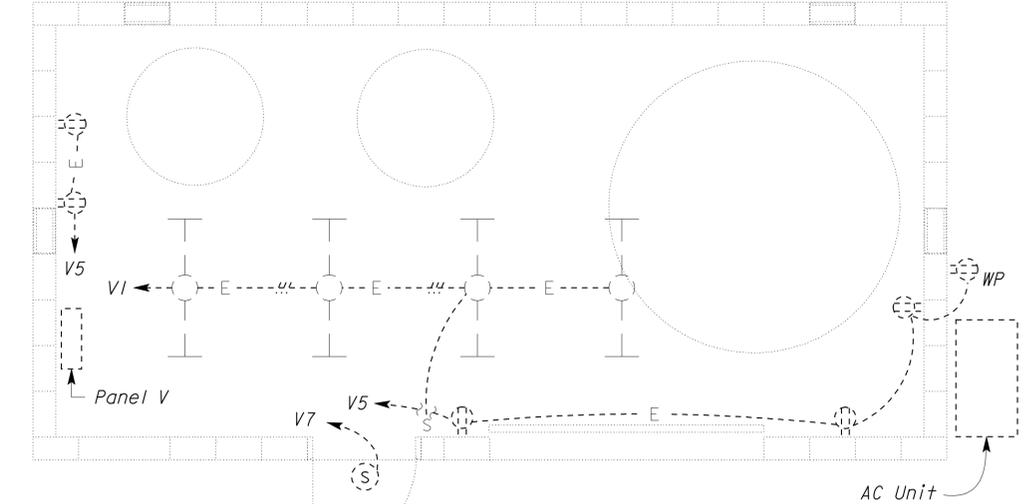
<i>J. Abdelsayed</i>		12-20-10
REGISTERED ELECTRICAL ENGINEER	DATE	

6-13-11
PLANS APPROVAL DATE

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



POWER PLAN
SCALE 3/4" = 1'-0"



LIGHTING PLAN
SCALE 3/8" = 1'-0"

- Notes:
- ① 2"C, 3#2, 1#6G (V20-22-24).
 - ② 2"C, 3#4 (V13-15-17).
 - ③ 3"C, 4#4/0
 - ④ 4"C, 4#500 MCM
 - ⑤ 1"C, 2#12, 1#12G to junction box.
 - ⑥ (2) 1" PVC coated RSC, 3#10 (Booster Pump #1 and #2).
 - ⑦ (2) 1" PVC coated RSC, 3#10 (Booster Pump #3 and #4).
 - ⑧ 1"C, 4#12 (PS1 and AVC1).
 - ⑨ 1"C, 4#12 (PS2 and AVC2) and 1"C, 4#12 (FS3 and FS4).
 - ⑩ Remove pressure switch.
 - ⑪ Relocate Booster Pump No. 1 and 2 to the new well shed structure. After relocation, rename these booster pumps as Booster Pump No. 5 and 6 respectively. For details, see sheet EE-4.
 - ⑫ Relocate Booster Pump No. 3 and 4 inside the equipment building. After relocation, rename these booster pumps as Booster Pump No. 1 and 2 respectively. For details, see sheet EE-9.
 - ⑬ Relocate existing Booster Pumps No. 1 and 2 Controller to the new Well Shed structure. After relocation, rename controller as Irrigation Water Booster Pump No. 5 and 6 Control Panel. For details, see sheet EE-4. For Booster Pumps No. 1 and 2 Controller existing schematic, see sheet EE-6.
 - ⑭ For Booster Pumps No. 3 and 4 Controller existing schematic, see sheet EE-12.
 - ⑮ For continuation, see sheet EE-1 and EE-2

- General Note:**
- A. For removal and relocation of equipment, see Water and Waste Water sheets.
 - B. Plug all openings in the wall resulting from conduit removal with grout.
 - C. Plug all unused openings at all control panels and Panel V as required.

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

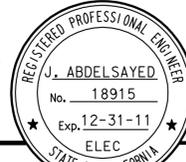
DESIGN BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	DESERT CENTER MAINTENANCE STATION	SHEET EE-8		
			56M5706				
			POST MILE 105.5				
DETAILS BY <i>Dali Zhou</i> CHECKED <i>Joseph Abdelsayed</i>	UNIT PROJECT NUMBER & PHASE 3596 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)				SHEET OF
QUANTITIES BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i>			7/20/10	11/22/10	12/20/10		

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

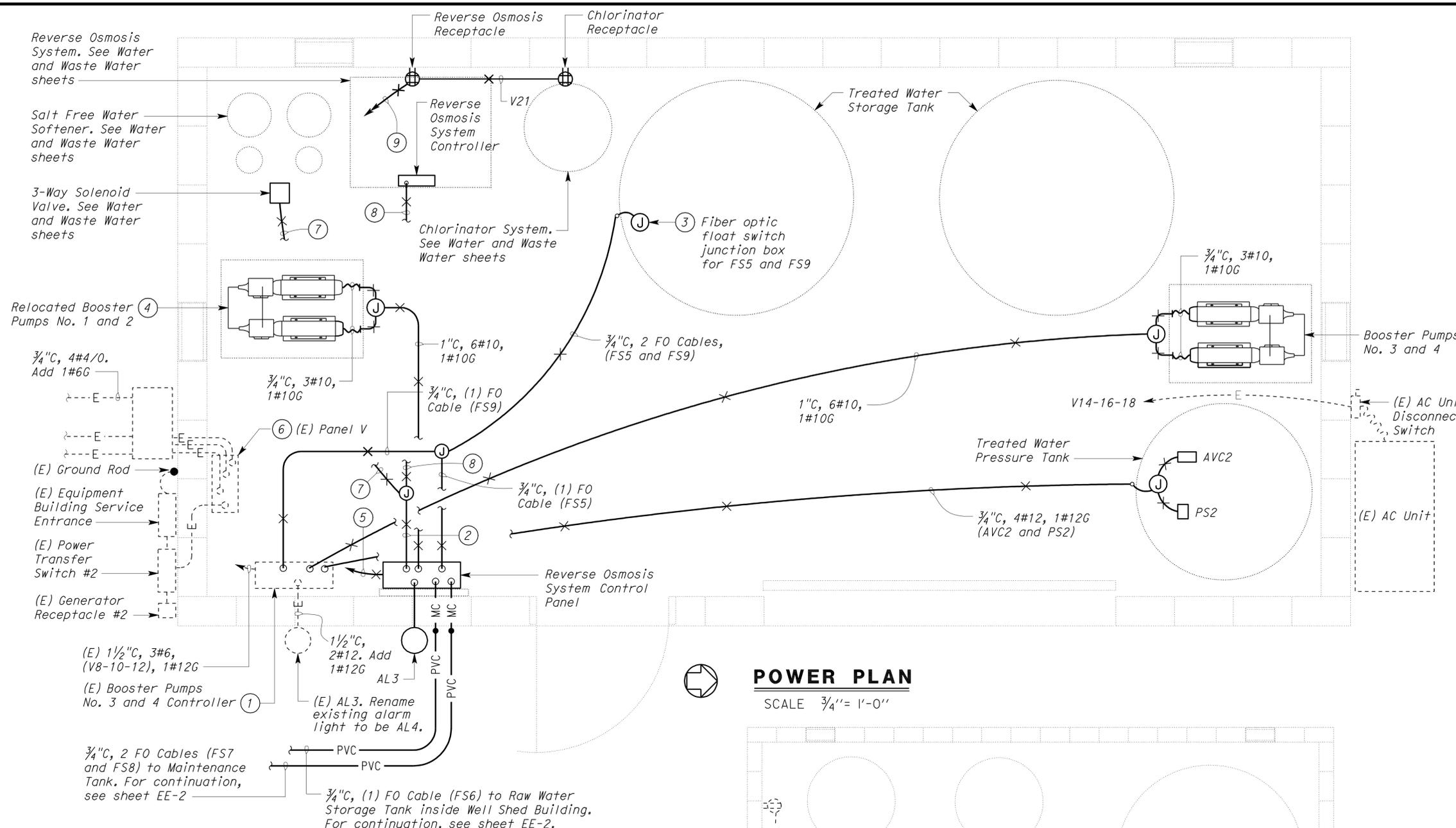
DOES SD Imperial Rev. 1/07

EA ON7101

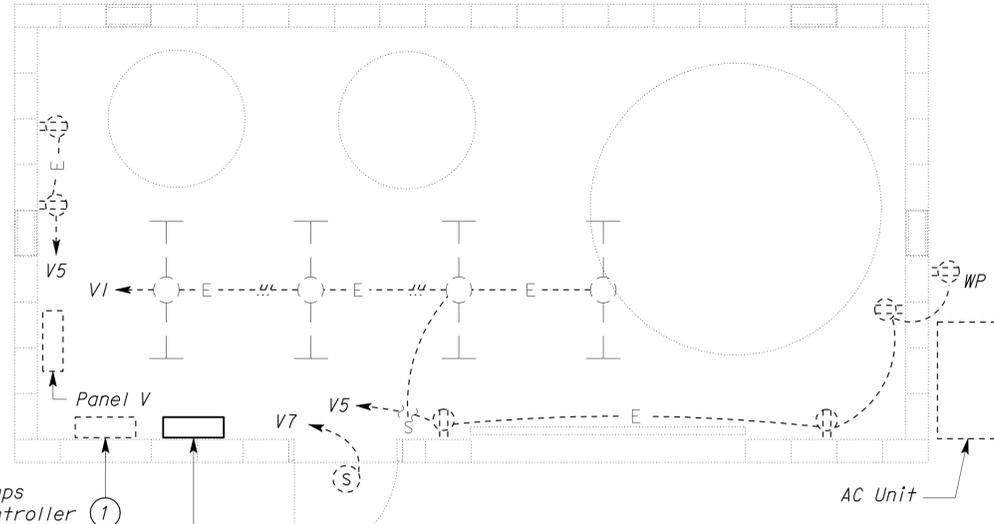
20-JUN-2011 06:07 ee_08.dgn

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		45	69
			12-20-10 DATE		
6-13-11 PLANS APPROVAL DATE					
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 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: 
 Approval date: 12-20-10



POWER PLAN
 SCALE 3/4" = 1'-0"



LIGHTING PLAN
 SCALE 3/8" = 1'-0"

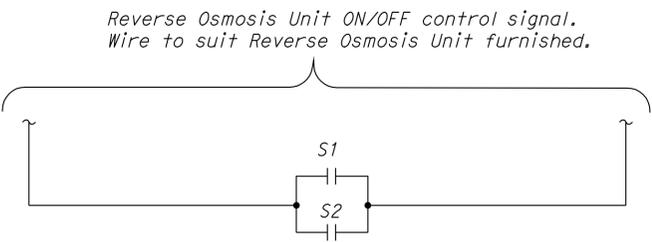
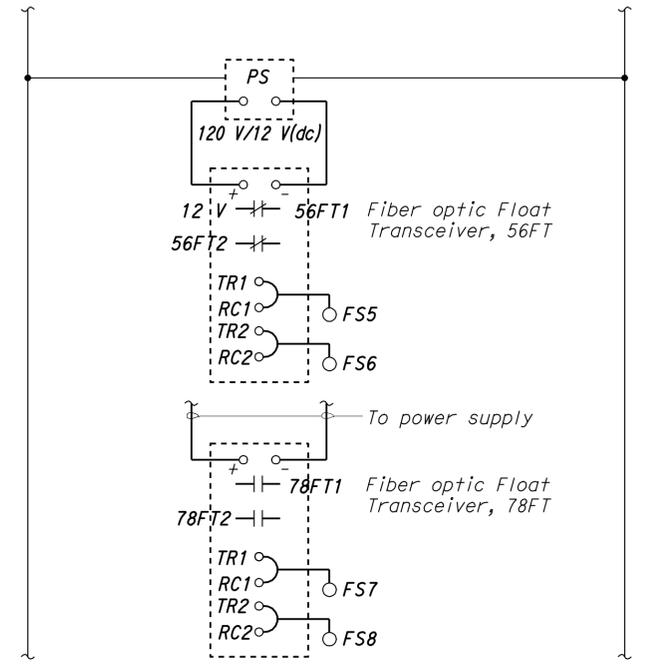
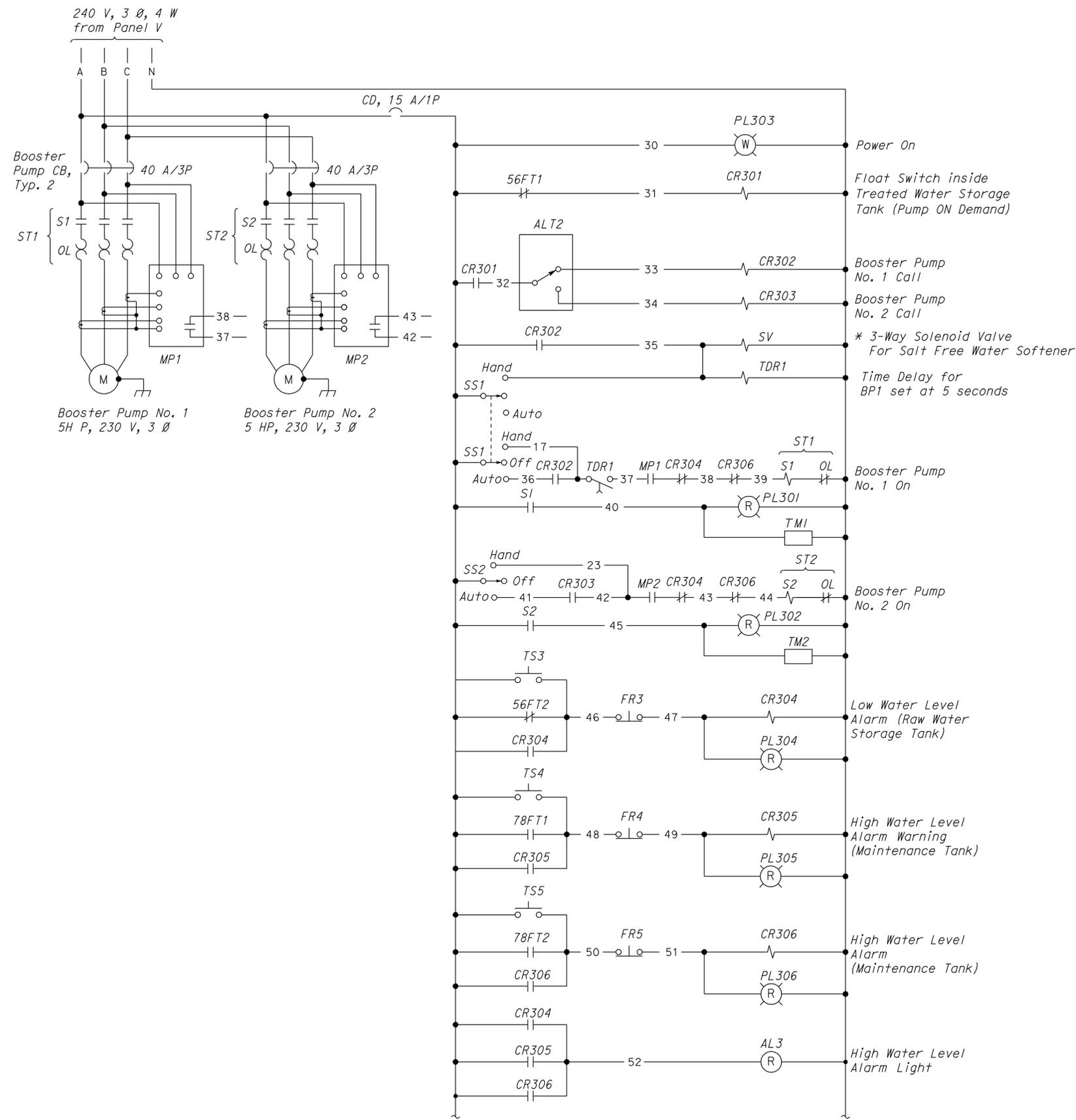
- Notes:
- Remove existing "BOOSTER PUMPS No. 3 and 4 CONTROLLER (POTABLE WATER)" and "LOW WATER LEVEL ALARM (POTABLE WATER)" labels from existing control panel and replace with new "TREATED WATER BOOSTER PUMP No. 3 AND 4 CONTROL PANEL" label.
 - 3/4" C, 4#12, 1#12G for 3-way solenoid valve and Reverse Osmosis power-on circuit.
 - For fiber optic float switch and junction box mounting details, see "Detail 1" on sheet EE-4.
 - Relocated Booster Pump No. 1 and 2 formerly known as Booster Pump No. 3 and 4. Booster Pump No. 1 and 2 now will supply pressurized raw water to the Reverse Osmosis processing unit.
 - 1/2" C, 3#6, (V2-4-6), 1#6G.
 - Panel V is Murray, Type S3, 400 A, 120/240-Volt, 3-phase, 4-wire panel board and catalog number SB300J400ATS. Install two 20 A/1P circuit breakers in space 19 and space 21 of existing Panel V for supplying the Reverse Osmosis system and the chlorinator.
 - 1/2" C, 2#12, 1#12G to 3-way solenoid valve for Salt Water Free Softener. For exact location of solenoid valve, see Water sheets.
 - 1/2" C, 2#12, 1#12G (Reverse Osmosis Unit ON/OFF control signal) to Reverse Osmosis System Controller. Wire to suit Reverse Osmosis Unit furnished.
 - 3/4" C, 4#12 (V19,21), 1#12G.

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN	BY Joseph Abdelsayed	CHECKED J.S. Sandhu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	DESERT CENTER MAINTENANCE STATION MODIFIED EQUIPMENT BUILDING POWER AND LIGHTING PLAN	SHEET		
DETAILS	BY Dali Zhou	CHECKED Joseph Abdelsayed			56M5706		POST MILE	105.5	EE-9
QUANTITIES	BY Joseph Abdelsayed	CHECKED J.S. Sandhu			105.5		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	UNIT PROJECT NUMBER & PHASE	3596 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES	12/20/10		

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		46	69

APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. The set of approved plans shall be available on the project site at all times. Reviewed by: <i>J. Abdelsayed</i> Approval date: 12-20-10		REGISTERED ELECTRICAL ENGINEER DATE 12-20-10 No. 18915 Exp. 12-31-11 ELEC STATE OF CALIFORNIA
6-13-11		PLANS APPROVAL DATE
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.		



General Note:

A. For Control Panel Enclosure details, see sheet EE-11.

* Wire 3-way solenoid valve, (SV) in a manner so that the normally open side of the solenoid valve closes when BP1 is on.

DESIGN BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i> DETAILS BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i> QUANTITIES BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5706 POST MILE 105.5	DESERT CENTER MAINTENANCE STATION REVERSE OSMOSIS SYSTEM CONTROL PANEL SCHEMATIC	SHEET EE-10	
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT PROJECT NUMBER & PHASE 3596 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 4/20/10 11/25/10 12/20/10	SHEET OF
	DOES SD Imperial Rev. 1/07		EA ON7101		ee_10.dgn		20-JUN-2011 06:07

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		47	69

APPROVED
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 Reviewed by: *J. Sandhu*
 Approval date: 12-20-10

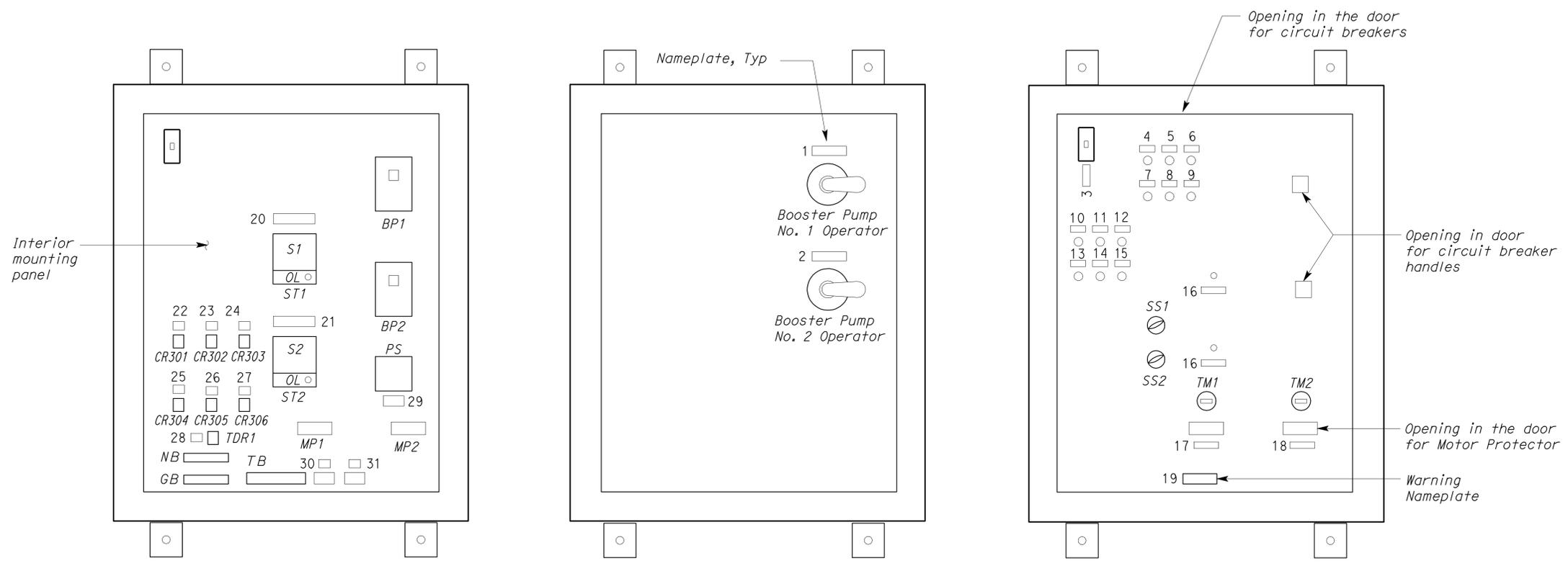
6-13-11
 PLANS APPROVAL DATE

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WARNING NAMEPLATE SCHEDULE		
ITEM No.	INSCRIPTION	LETTER HEIGHT (IN)
19	BOOSTER PUMP DISCONNECTS DO NOT DE-ENERGIZE CONTROL CIRCUIT	3/4

* WHITE LETTERS AGAINST RED BACKGROUND

NAMEPLATE SCHEDULE		
ITEM No.	INSCRIPTION	LETTER HEIGHT (INCH)
1	BOOSTER PUMP #1	1/4
2	BOOSTER PUMP #2	
3	CONTROL DISCONNECT	
4	PL303	
5	PL301	
6	PL302	
7	PL304	
8	PL305	
9	PL306	
10	TS3	
11	TS4	
12	TS5	
13	FR3	
14	FR4	
15	FR5	
16	OL RESET	
17	MOTOR PROTECTOR (MP1)	
18	MOTOR PROTECTOR (MP2)	
20	MOTOR STARTER (ST1)	
21	MOTOR STARTER (ST2)	
22	CR301	
23	CR302	
24	CR303	
25	CR304	
26	CR305	
27	CR306	
28	TDR1	
29	POWER SUPPLY	
30	56FT	
31	78FT	



(INTERIOR AND EXTERIOR DOOR NOT SHOWN)

(EXTERIOR DOOR SHOWN)

(EXTERIOR DOOR NOT SHOWN)

ELEVATION
NO SCALE

DESIGN BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	DESERT CENTER MAINTENANCE STATION	SHEET EE-11			
			POST MILE					
			105.5					
DETAILS BY <i>Dali Zhou</i> CHECKED <i>J.S. Sandhu</i>	UNIT PROJECT NUMBER & PHASE 3596 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)				SHEET OF	
QUANTITIES BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i>			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2		3
EA ON7101			4/20/10	11/22/10	12/20/10			

20-JUN-2011 06:27 ee_11.dgn

CALIFORNIA STATE FIRE MARSHAL APPROVED

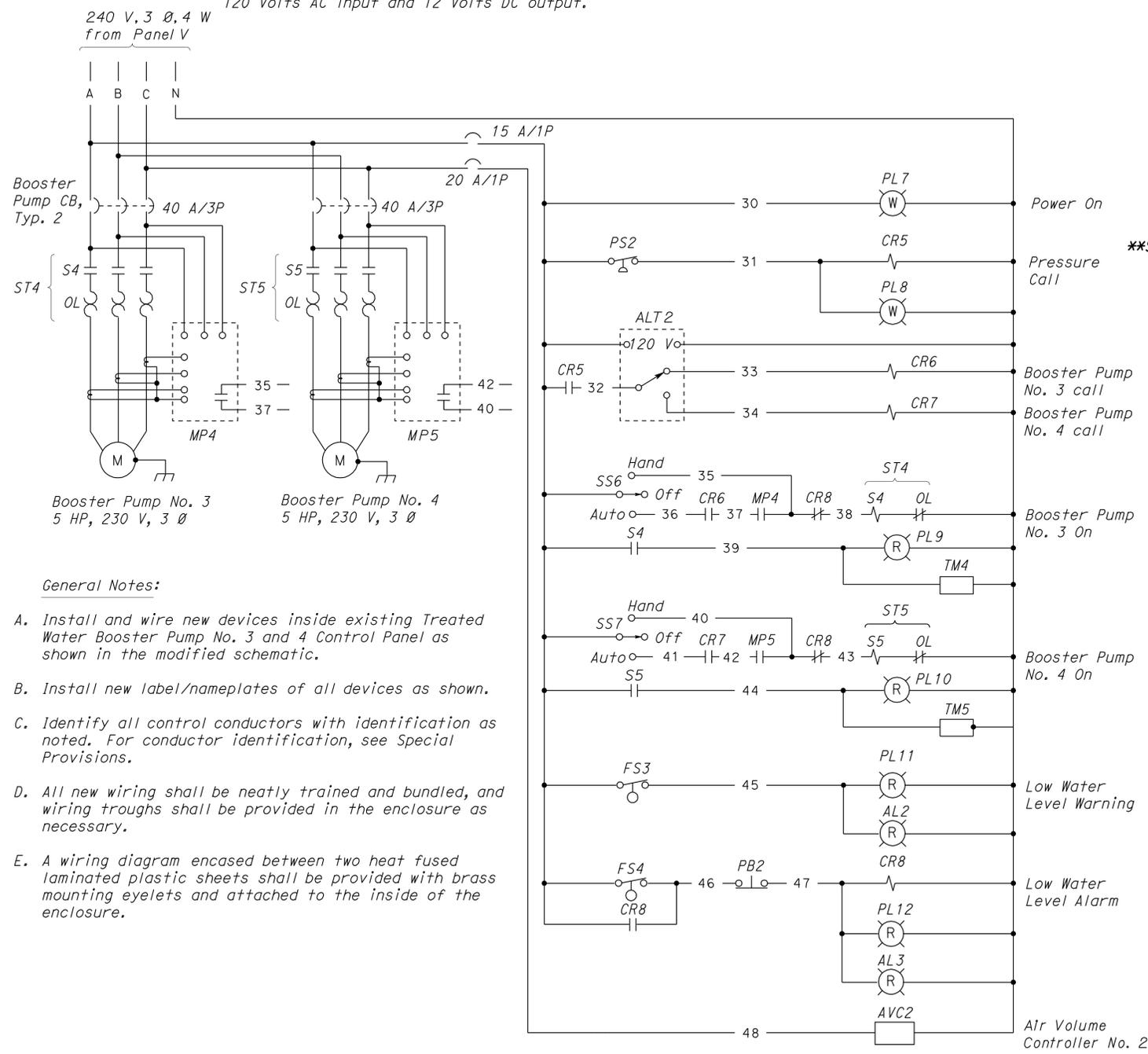
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by:

Approval date: 12-20-10

Note:

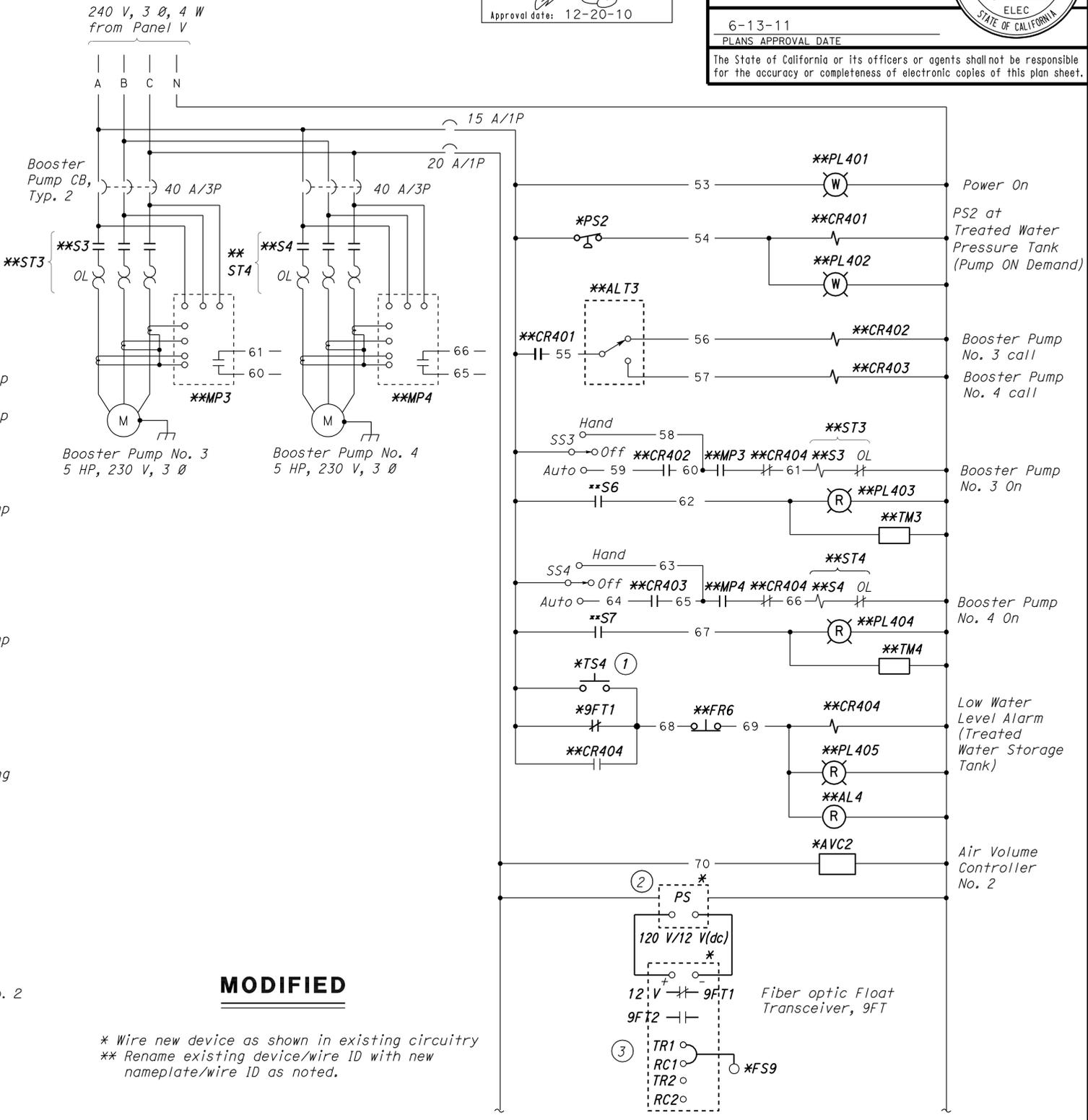
- Test Switch shall be heavy duty oil-tight push button with one normally open contact. The contact shall have an inductive pilot duty rating of 60 Amperes (make), 6 Amperes (break) and 10 Amperes (continuous) at 120 Volts and 35 percent power factor.
- Power supply shall be 10 Watts UL Listed Class 2, din-rail mounted type power supply suitable for 120 Volts AC input and 12 Volts DC output.
- Fiber optic float transceiver. Float transceiver shall be fully solid state and din-rail mounted type transceiver suitable for connecting to fiber optic float switches. Transceiver shall be of minimum two channel input type device with output relay for each channel. Output relay contact shall be rated at 3 Amperes at 120/240-Volt, AC.



General Notes:

- Install and wire new devices inside existing Treated Water Booster Pump No. 3 and 4 Control Panel as shown in the modified schematic.
- Install new label/nameplates of all devices as shown.
- Identify all control conductors with identification as noted. For conductor identification, see Special Provisions.
- All new wiring shall be neatly trained and bundled, and wiring troughs shall be provided in the enclosure as necessary.
- A wiring diagram encased between two heat fused laminated plastic sheets shall be provided with brass mounting eyelets and attached to the inside of the enclosure.

EXISTING
(Formerly known as Booster Pumps No. 3 and 4 Controller)



MODIFIED

* Wire new device as shown in existing circuitry
** Rename existing device/wire ID with new nameplate/wire ID as noted.

MAIN: 400 A/3P
VOLTS: 120/240 V, 3 Ø, 4 W

PANEL V

FEEDER SIZE: 4*500 MCM
LOCATION: EQUIPMENT BUILDING

DESCRIPTION	AMPERES			BRK	CKT	A	B	C	CKT	BRK	AMPERES			DESCRIPTION	
	A	B	C								A	B	C		
LIGHTS - INTERIOR	2			20/1	1	•			2		30			BOOSTER PUMPS 1 & 2	
SPACE		-		-	3	•			4	50/3		30			
RECEPTACLES			11	20/1	5	•			6				30		
LIGHTS - EXTERIOR	1			20/1	7	•			8		30			BOOSTER PUMPS 3 & 4	
SPACE		-			9	•			10	50/3		30			
SPACE					11	•			12				30		
PANEL D	81			125/3	13	•			14		14			AC UNIT	
		81			15	•			16	30/3		14			
			81		17	•			18				14		
SPACE	-			-	19	•			20		48			EMULSION TANK	
SPACE		-		-	21	•			22	100/3		48			
SPACE			-	-	23	•			24			48			
SPACE					25	•			26		127				
SPARE		-		70/3	27	•			28	225/3		42		PANEL T	
			-		29	•			30				128		

A	B	C	TOTAL CONNECTED LOAD (AMPERES PER PHASE)
333	245	342	

EXISTING

MAIN: 400 A/3P
VOLTS: 120/240 V, 3 Ø, 4 W

(E) PANEL V ①

FEEDER SIZE: 4*500 MCM
LOCATION: EQUIPMENT BUILDING

DESCRIPTION	AMPERES			BRK	CKT	A	B	C	CKT	BRK	AMPERES			DESCRIPTION	
	A	B	C								A	B	C		
LIGHTS - INTERIOR	2			20/1	1	•			2		30			REVERSE OSMOSIS SYSTEM CONTROL PANEL	
SPACE		-		-	3	•			4	50/3		30			
RECEPTACLES			11	20/1	5	•			6				30		
LIGHTS - EXTERIOR	1			20/1	7	•			8		30			TREATED WATER BOOSTER PUMP No. 3 AND 4 CONTROL PANEL	
SPACE		-			9	•			10	50/3		30			
SPACE					11	•			12				30		
PANEL D	81			125/3	13	•			14		14			AC UNIT	
		81			15	•			16	30/3		14			
			81		17	•			18				14		
REVERSE OSMOSIS RECEPTACLE	15			20/1	19	•			20		48			EMULSION TANK	
CHLORINATOR RECEPTACLE		10		20/1	21	•			22	100/3		48			
SPACE			-	-	23	•			24			48			
SPACE					25	•			26		179				
SPARE		-		70/3	27	•			28	225/3		94		PANEL T	
			-		29	•			30				180		

A	B	C	TOTAL CONNECTED LOAD (AMPERES PER PHASE)
400	306	394	

MODIFIED

CALIFORNIA STATE FIRE MARSHAL APPROVED
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Reviewed by: *[Signature]*
Approval date: 12-20-10

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		49	69

Joseph Abdelsayed
 REGISTERED ELECTRICAL ENGINEER DATE 12-20-10
 No. 18915
 Exp. 12-31-11
 ELEC
 STATE OF CALIFORNIA

6-13-11
PLANS APPROVAL DATE

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Note:
① Perform the following inside Panel V:
-Isolate the neutral bus from the ground bus.
-Terminate all grounded circuit conductors onto the neutral bus.
-Terminate all equipment grounding conductors and grounding electrode conductors onto the ground bus.

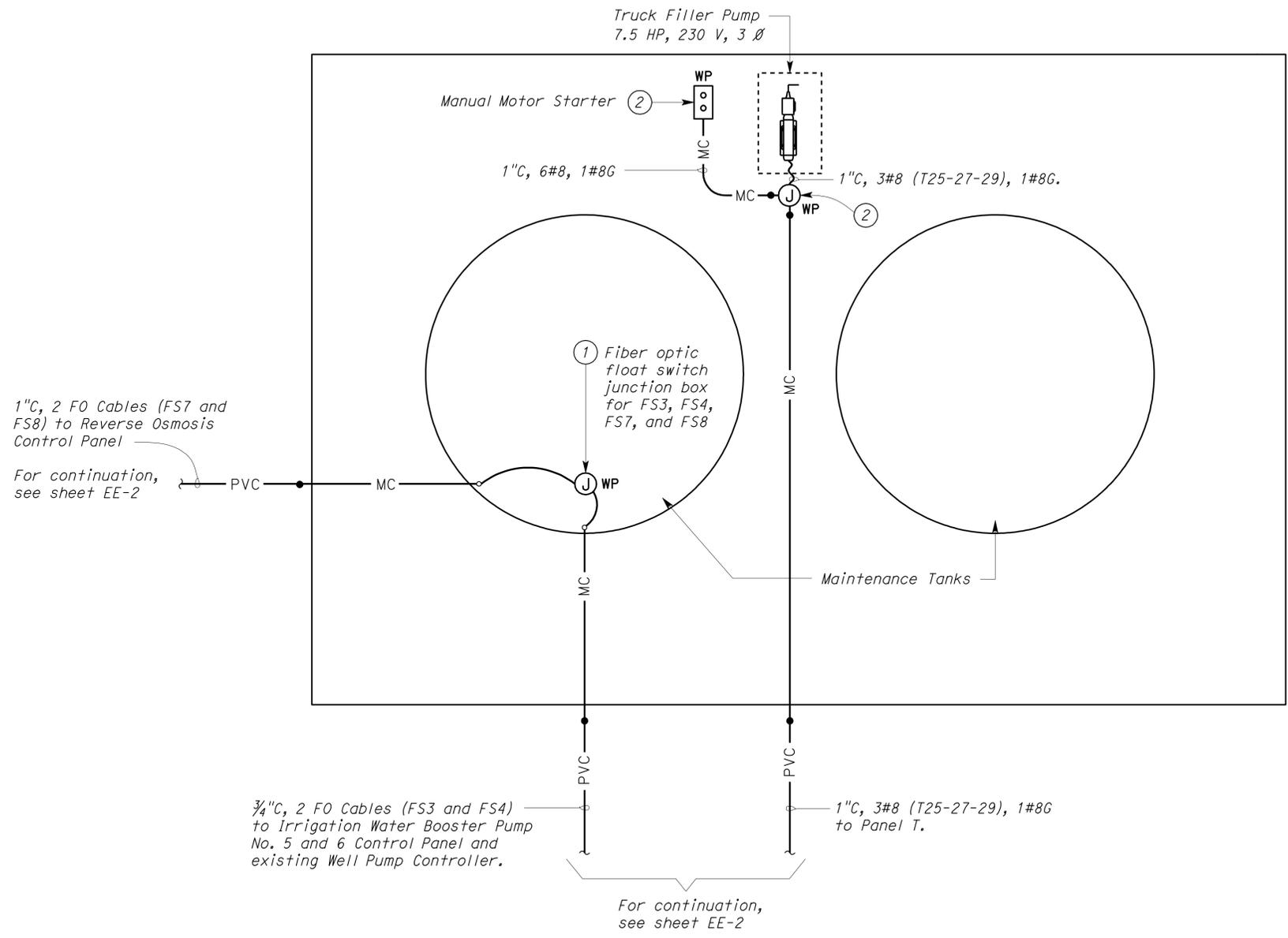
DESIGN BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5706	DESERT CENTER MAINTENANCE STATION	SHEET EE-13
			POST MILE 105.5		
			PANEL V SCHEDULE		
DETAILS BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i>	UNIT PROJECT NUMBER & PHASE 3596 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
QUANTITIES BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	4/20/10 11/20/10 12/20/10			

DOES SD Imperial Rev.1/07

EA ON7101

ee_13.dgn

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		50	69
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> Approval date: 12-20-10			12-20-10 DATE		
6-13-11 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					

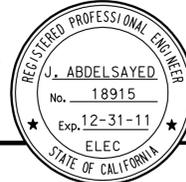


- Notes:
- For fiber optic float switch and junction box mounting details, see "Detail 1" on sheet EE-4.
 - Mount Manual Motor Starter/Junction Box on construction channels as directed by the Engineer in the field.

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

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

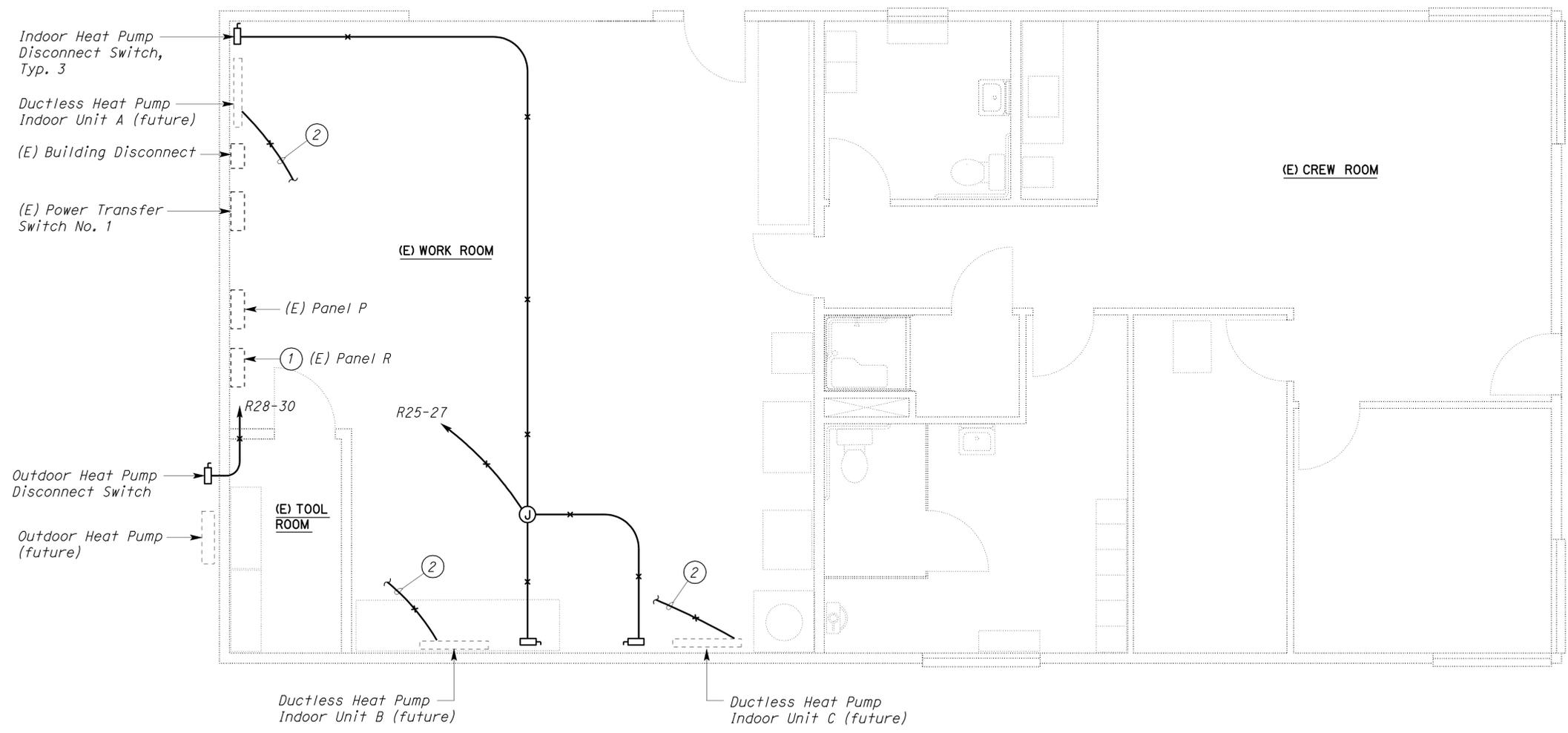
DESIGN BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i> DETAILS BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i> QUANTITIES BY <i>Joseph Abdelsayed</i> CHECKED <i>J.S. Sandhu</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5706 POST MILE 105.5	DESERT CENTER MAINTENANCE STATION MAINTENANCE TANKS POWER PLAN	SHEET EE-14	
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			UNIT PROJECT NUMBER & PHASE 3596 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 4/20/10 11/20/10 12/20/10
	0 1 2 3	EA ON7101	SHEET OF	ee_14.dgn	20-JUN-2011 06:28		

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		51	69
 REGISTERED ELECTRICAL ENGINEER			12-20-10 DATE		
6-13-11 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: 
 Approval date: 12-20-10

Notes:

- 1 Install two 20 A/2P circuit breakers in spaces 25-27 and spaces 28-30 of existing Panel R for supplying the Indoor Ductless Heat Pumps and the Outdoor Heat Pump.
- 2 1/2" C for future control conductors. Terminate conduit at a location as directed by the Engineer.



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

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN	BY Joseph Abdelsayed	CHECKED J.S. Sandhu
DETAILS	BY Dali Zhou	CHECKED Joseph Abdelsayed
QUANTITIES	BY Joseph Abdelsayed	CHECKED J.S. Sandhu

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

BRIDGE NO.	56M5706
POST MILE	105.5

DESERT CENTER MAINTENANCE STATION
 CREW BUILDING PLAN

SHEET **EE-15** OF

20-JUN-2011 06:28

ABBREVIATIONS

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

LEGEND

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

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		52	69

Jerome R. Marcotte 12/20/10
 REGISTERED CIVIL ENGINEER DATE

REG. NO. C 36844
 Exp. 06/30/12
 CIVIL
 STATE OF CALIFORNIA

6-13-11
 PLANS APPROVAL DATE

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CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: *[Signature]*
 Approval date: 12-20-10

GENERAL WORK NOTES

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

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

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

PIPE FITTINGS AND VALVES

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

DESIGN	BY Laurie Vasquez	CHECKED Don Hansen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5706	DESERT CENTER MAINTENANCE STATION	SHEET SS-0
	DETAILS	BY Laurie Vasquez/KG			CHECKED Don Hansen		
QUANTITIES	BY Laurie Vasquez	CHECKED Don Hansen				NOTES, LEGEND, AND ABBREVIATIONS	
TAEMWW Imperial Rev. 7/10	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE EA 0N7101	3616 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

20-JUN-2011 06:28

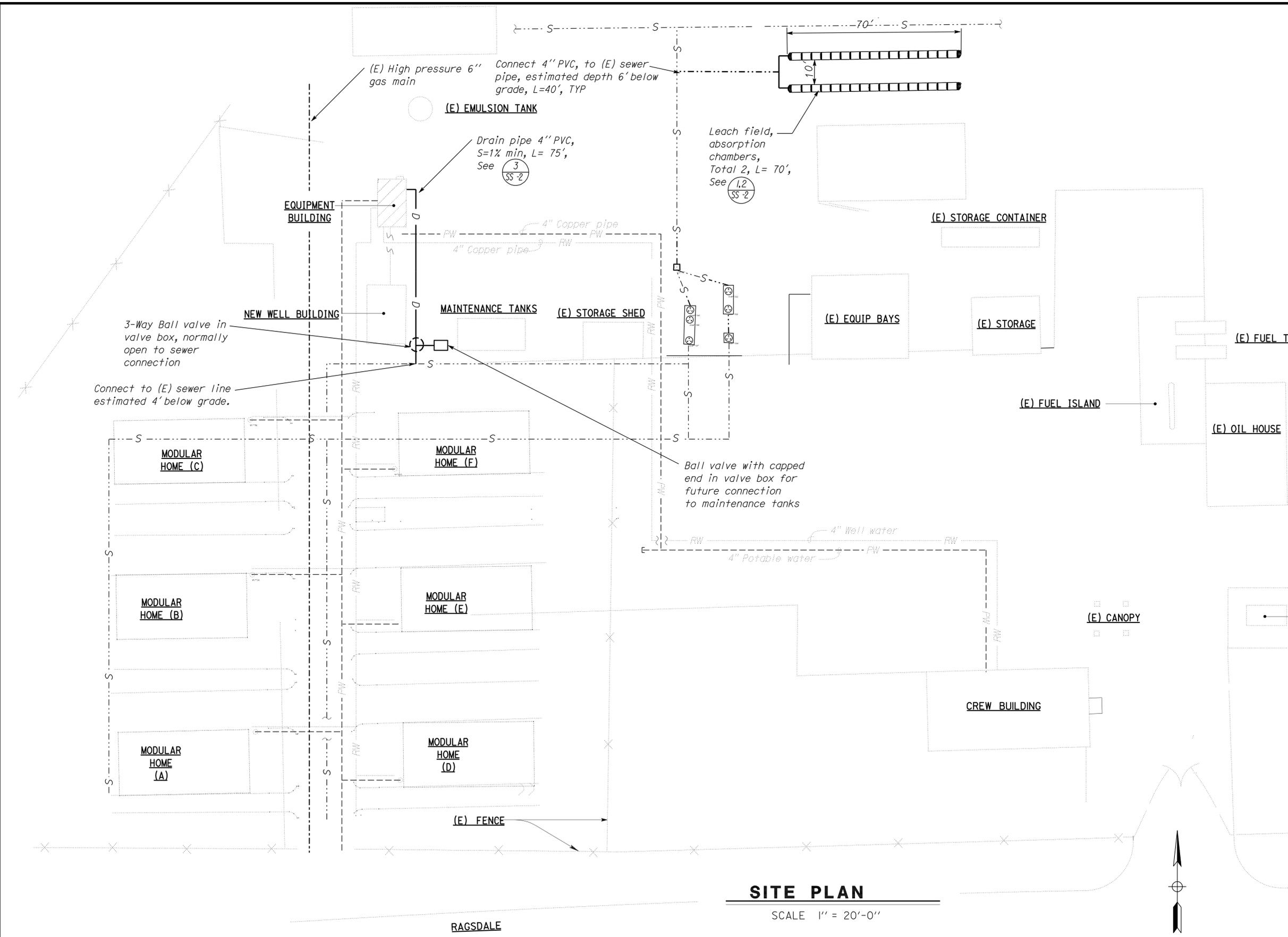
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		53	69
<i>Jerome R. Marcotte</i> REGISTERED CIVIL ENGINEER			12/20/10 DATE		
6-13-11 PLANS APPROVAL DATE					
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Reviewed by: *[Signature]*
Approval date: 12-20-10

- Notes:
1. Identify and locate gas line prior to installation of sewer or drain line.
 2. Connect new sewer pipe to (E) distribution box. Sewer pipe bearing is approximately N 90 degrees E.



SITE PLAN

SCALE 1" = 20'-0"

DESIGN	BY Laurie Vasquez	CHECKED Don Hansen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5706	DESERT CENTER MAINTENANCE STATION	SHEET SS-1	
	DETAILS	BY Laurie Vasquez/KG			CHECKED Don Hansen			POST MILE 105.5
QUANTITIES	BY Laurie Vasquez	CHECKED Don Hansen	UNIT PROJECT NUMBER & PHASE EA ON7101	3616 08000005391	MODIFIED SITE PLAN			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF
TAEMWW Imperial Rev. 7/10				DISREGARD PRINTS BEARING EARLIER REVISION DATES			4/21/10 5/12/10 6/22/10 9/28/10 10/26/10 11/25/10 12/20/10	OF

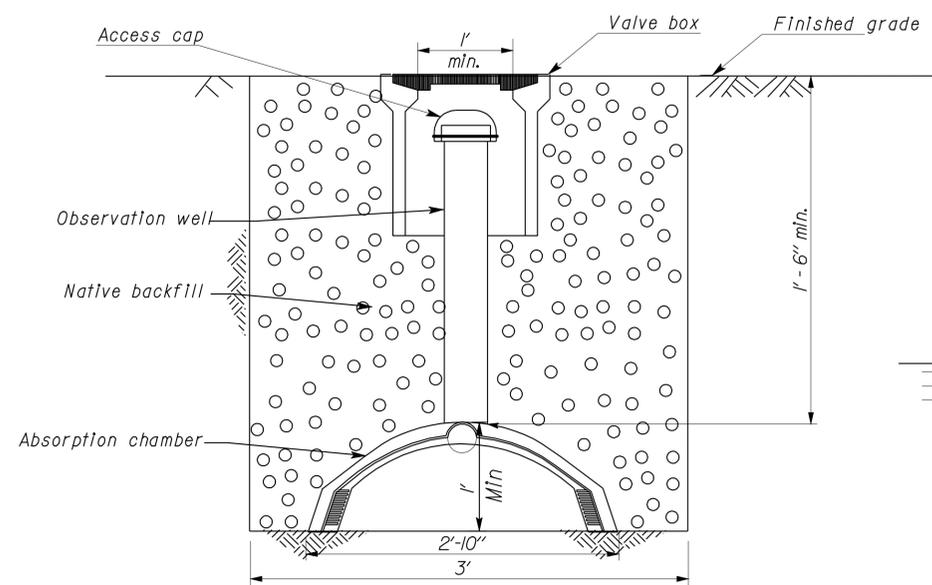
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		54	69

Jerome R. Marcotte 12/20/10
 REGISTERED CIVIL ENGINEER DATE

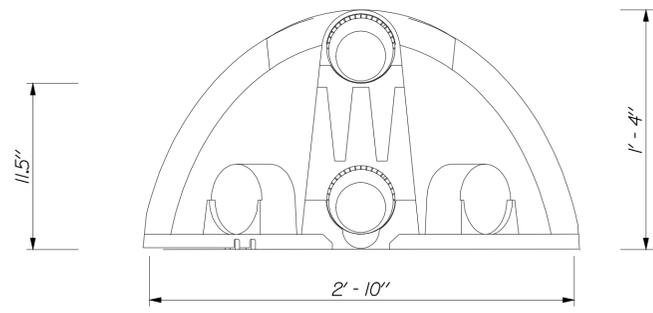
6-13-11
 PLANS APPROVAL DATE

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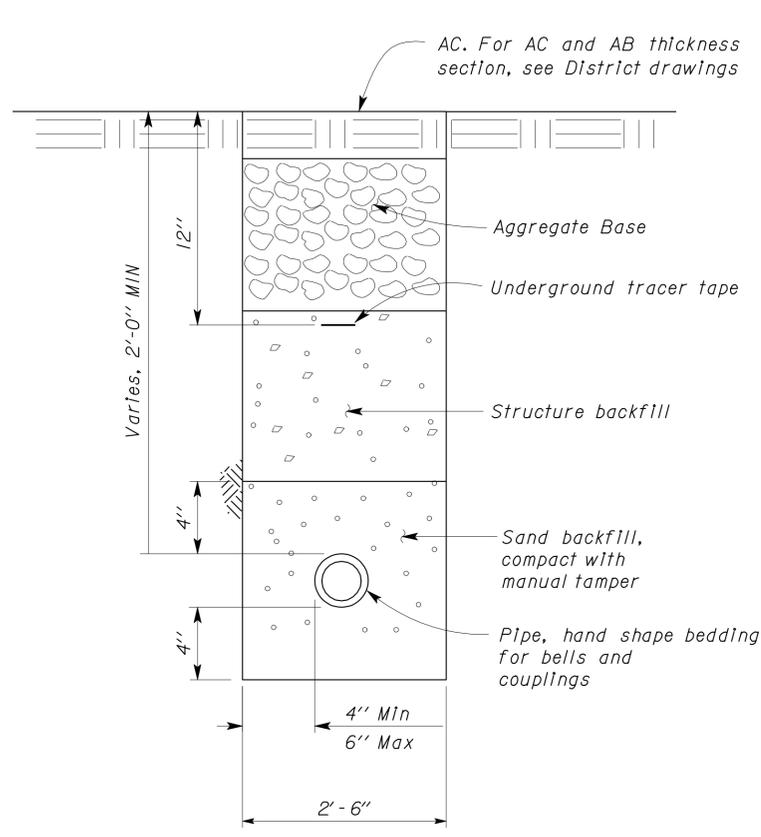
1 LEACH FIELD ABSORPTION CHAMBER AND OBSERVATION WELL

NO SCALE



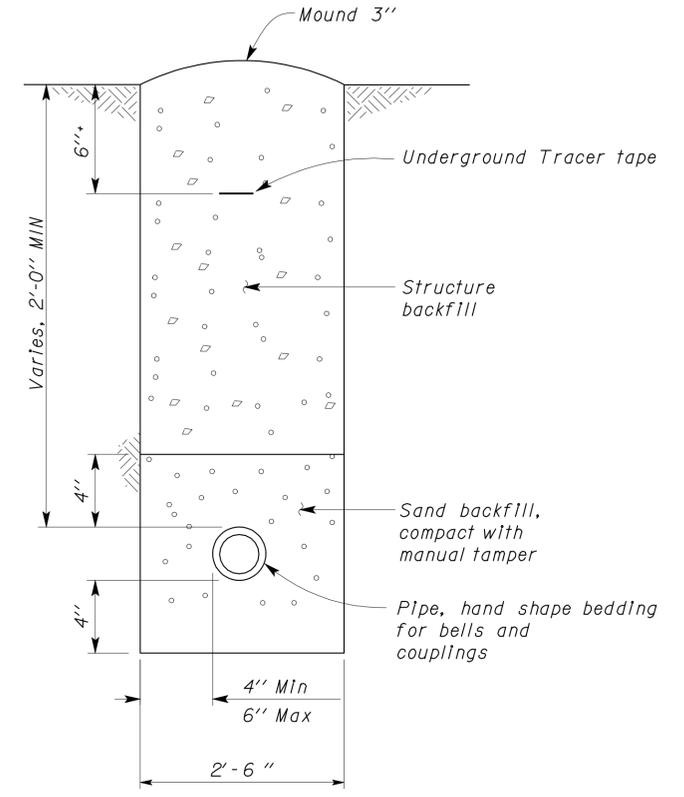
2 END CAP CHAMBER

NO SCALE



3 SEWER AND DRAIN PIPE

NO SCALE



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 Reviewed by: [Signature]
 Approval date: 12-20-10

DESIGN	BY Laurie Vasquez	CHECKED Don Hansen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5706	DESERT CENTER MAINTENANCE STATION	SHEET SS-2
	DETAILS	BY Laurie Vasquez/KG			CHECKED Don Hansen		
QUANTITIES	BY Laurie Vasquez	CHECKED Don Hansen	UNIT PROJECT NUMBER & PHASE 3616 08000005391	EA ON7101	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		4/21/10 5/12/10 6/28/10 9/28/10 10/26/10 11/28/10 12/20/10	

20-JUN-2011 06:28

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ABBREVIATIONS

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

LEGEND

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

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		55	69

Jerome R. Marcotte 12/20/10
 REGISTERED CIVIL ENGINEER DATE

6-13-11
 PLANS APPROVAL DATE

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Reviewed by: *[Signature]*

Approval date: 12-20-10

PIPE FITTINGS AND VALVES

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

GENERAL WORK NOTES

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

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

DESIGN	BY Laurie Vasquez	CHECKED Don Hansen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	DESERT CENTER MAINTENANCE STATION	SHEET W-0									
	DETAILS BY Laurie Vasquez/KG	CHECKED Don Hansen			56M5706											
	QUANTITIES BY Laurie Vasquez	CHECKED Don Hansen			POST MILE 105.5											
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				UNIT PROJECT NUMBER & PHASE	3616 08000005391	REVISION DATES (PRELIMINARY STAGE ONLY)										
0 1 2 3				DISREGARD PRINTS BEARING EARLIER REVISION DATES		<table border="1"> <tr> <td>4/8/10</td><td>5/28/10</td><td>7/28/10</td><td>9/28/10</td><td>10/28/10</td><td>11/28/10</td><td>12/20/10</td><td></td><td></td> </tr> </table>		4/8/10	5/28/10	7/28/10	9/28/10	10/28/10	11/28/10	12/20/10		
4/8/10	5/28/10	7/28/10	9/28/10	10/28/10	11/28/10	12/20/10										

TAEMWW Imperial Rev. 7/10

EA ON7101

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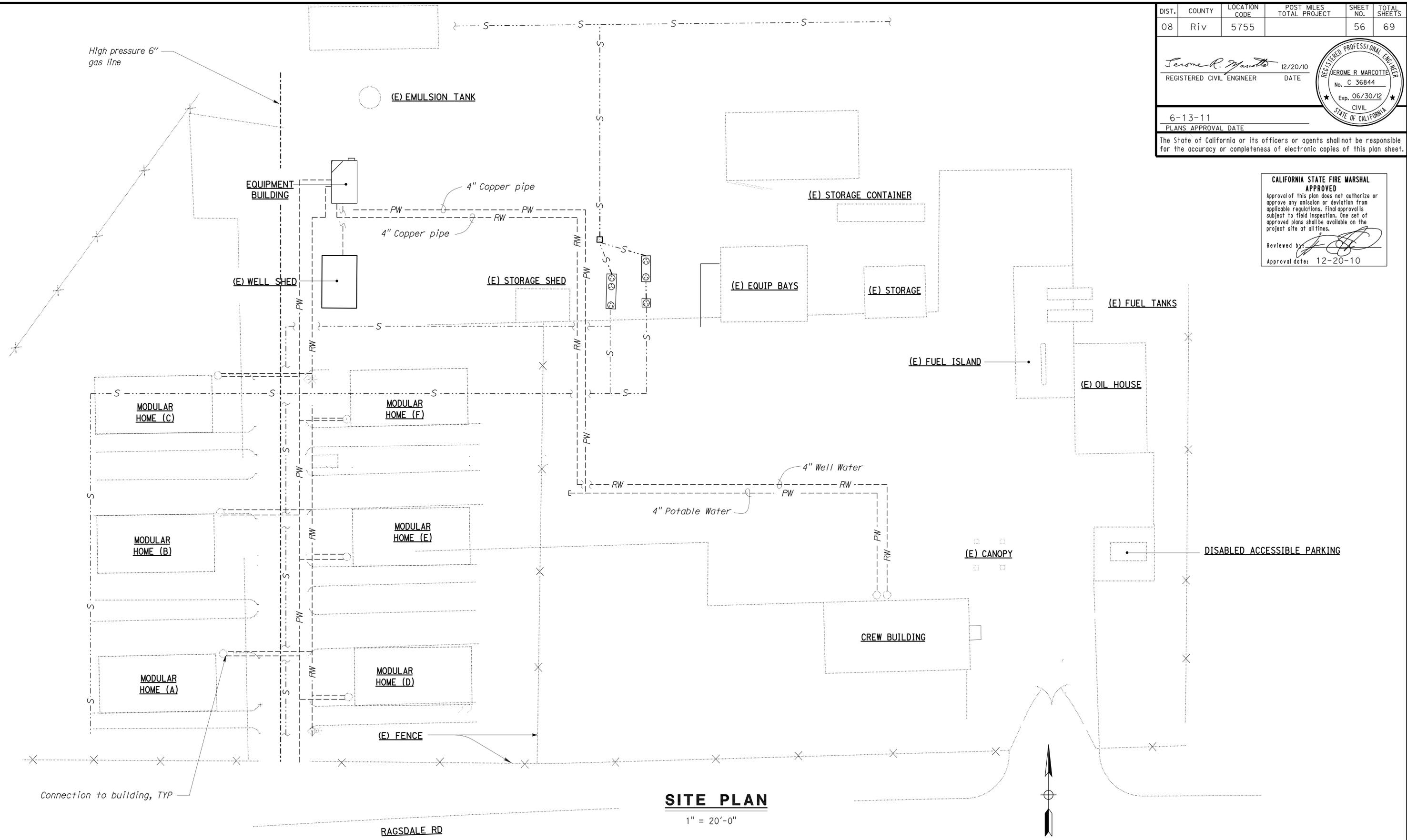
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		56	69
<i>Jerome R. Marcotte</i> REGISTERED CIVIL ENGINEER			12/20/10 DATE		
6-13-11					
PLANS APPROVAL DATE					
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Reviewed by: *[Signature]*

Approval date: 12-20-10



SITE PLAN

1" = 20'-0"

DESIGN SUPERVISOR <i>Paul Schreff</i> DESIGN ENGINEER <i>Jerome R. Marcotte</i>	DESIGN	BY Laurie Vasquez	CHECKED Don Hansen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 56M5706	DESERT CENTER MAINTENANCE STATION	SHEET W-1 OF
	DETAILS	BY Laurie Vasquez/KG	CHECKED Don Hansen		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE 105.5		
QUANTITIES	BY Laurie Vasquez	CHECKED Don Hansen			UNIT PROJECT NUMBER & PHASE 3616 08000005391	REVISION DATES (PRELIMINARY STAGE ONLY) 4/11/10 5/12/10 6/08/10 9/08/10 10/06/10 11/11/10 12/20/10		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3				DISREGARD PRINTS BEARING EARLIER REVISION DATES		SHEET OF		

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		57	69
<i>Jerome R. Marcotte</i> REGISTERED CIVIL ENGINEER			12/20/10 DATE		
6-13-11 PLANS APPROVAL DATE					
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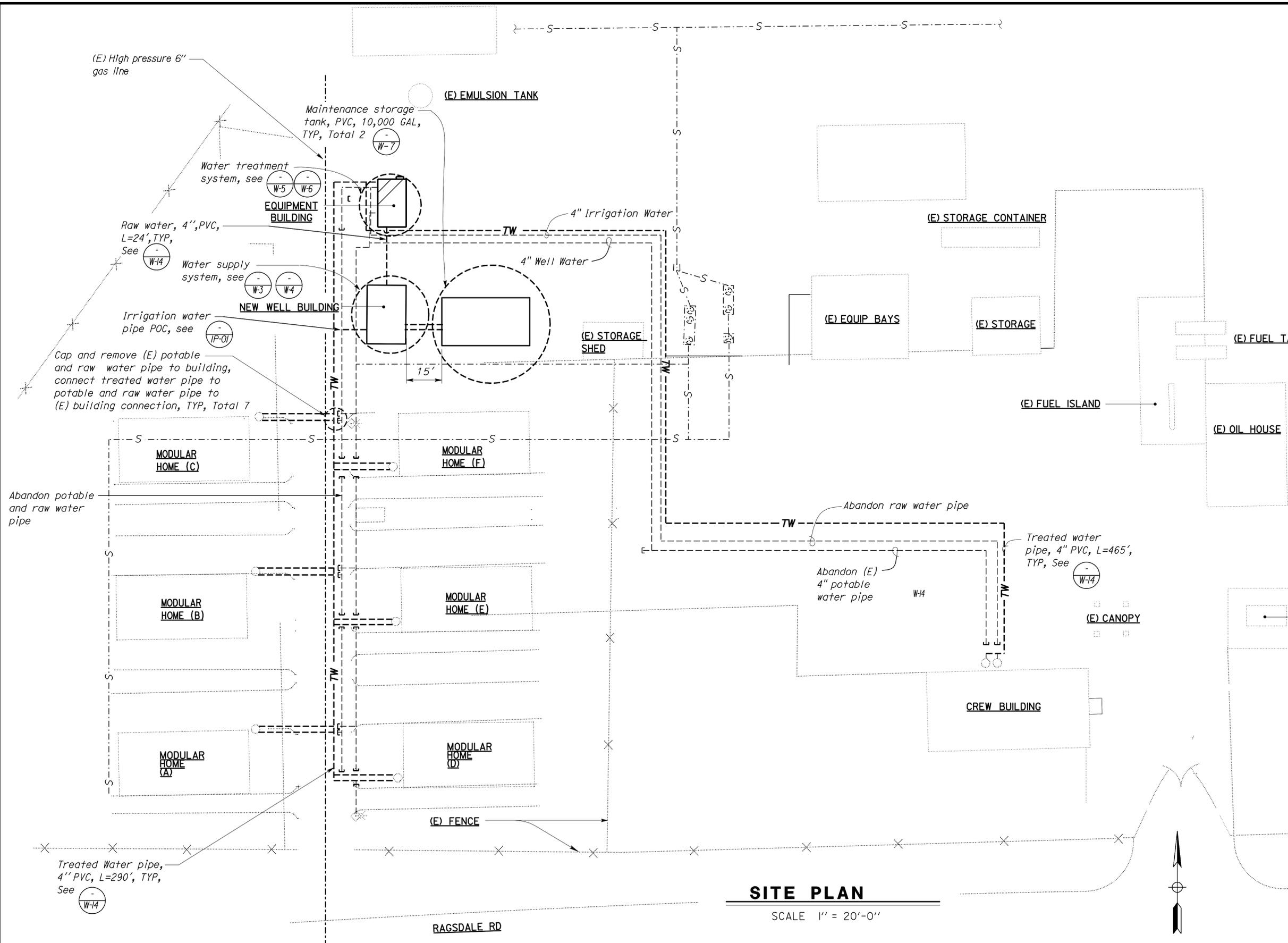
CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: *[Signature]*
Approval date: 12-20-10

Notes:

1. Identify and locate gas line prior to installation of water pipe line.



SITE PLAN

SCALE 1" = 20'-0"

DESIGN BY Laurie Vasquez CHECKED BY Don Hansen DETAILS BY Laurie Vasquez/KG CHECKED BY Don Hansen QUANTITIES BY Laurie Vasquez CHECKED BY Don Hansen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5706	DESERT CENTER MAINTENANCE STATION	SHEET W-2
			POST MILE 105.5		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT PROJECT NUMBER & PHASE 3616 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES		
TAEMWW Imperial Rev. 7/10		REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF

20-JUN-2011 07:00

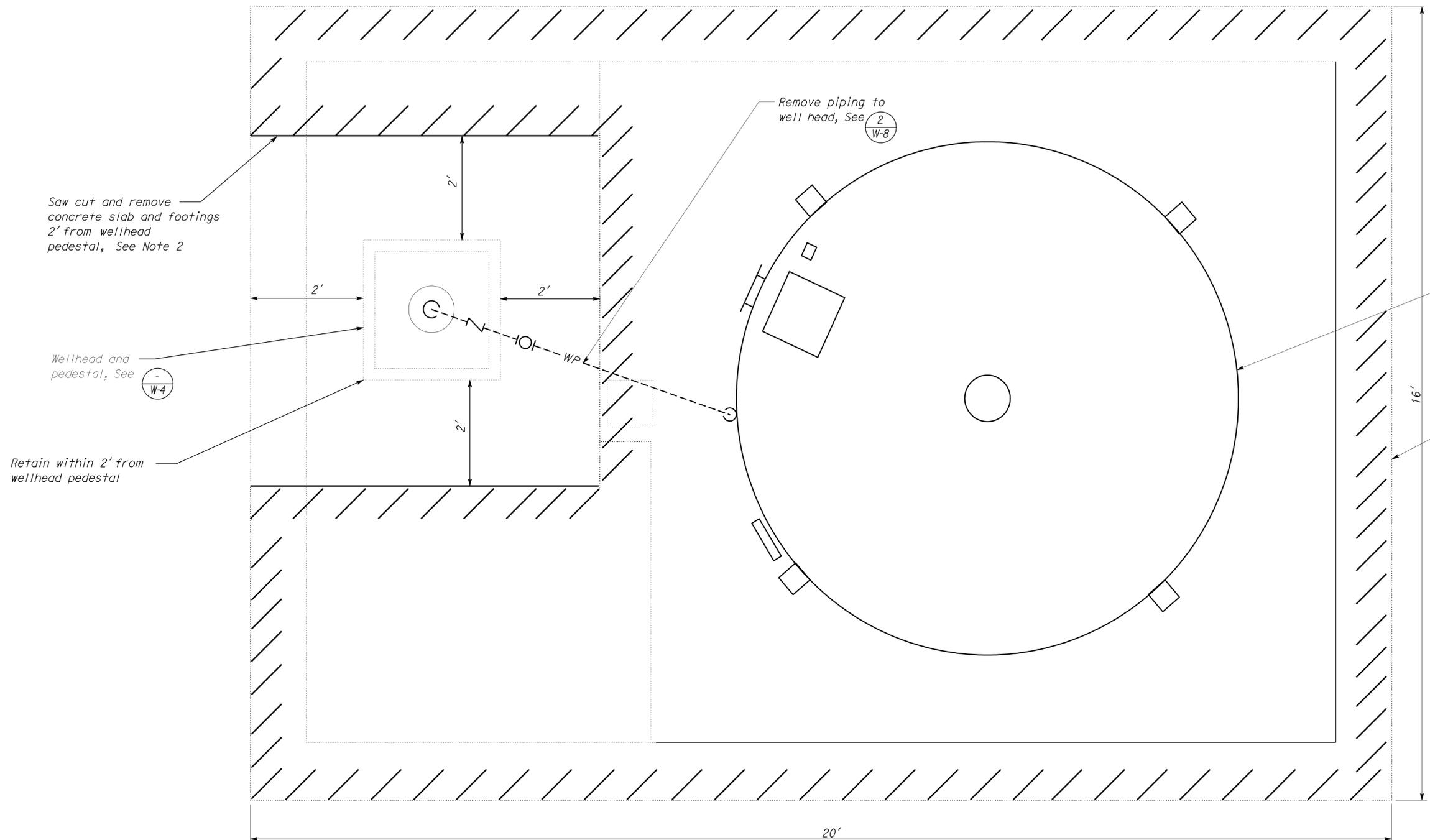
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		58	69

Jerome R. Marcotte 12/20/10
 REGISTERED CIVIL ENGINEER DATE



6-13-11
 PLANS APPROVAL DATE
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 Reviewed by: *[Signature]*
 Approval date: 12-20-10



- Notes:
1. For electrical conduit see Electrical plan sheets
 2. Break and remove concrete slab.
 3. Remove existing water pipe and fittings above wellhead. See W-8

EXISTING WELL SHED PLAN
 SCALE 3/4" = 1'-0"

DESIGN	BY Laurie Vasquez	CHECKED Don Hansen
DETAILS	BY Laurie Vasquez/KG	CHECKED Don Hansen
QUANTITIES	BY Laurie Vasquez	CHECKED Don Hansen

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO. 56M5706
 POST MILE 105.5

DESERT CENTER MAINTENANCE STATION
WELL SHED REMOVAL PLAN

SHEET **W-3** OF

TAEMWW Imperial Rev. 7/10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT PROJECT NUMBER & PHASE 3616 08000005391

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)							
1/10/10	5/10/10	6/28/10	9/28/10	10/28/10	11/28/10	12/20/10	

SHEET OF

20-JUN-2011 07:01

w_03.dgn

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		60	69

Jerome R. Marcotte 12/20/10
REGISTERED CIVIL ENGINEER DATE

6-13-11
PLANS APPROVAL DATE

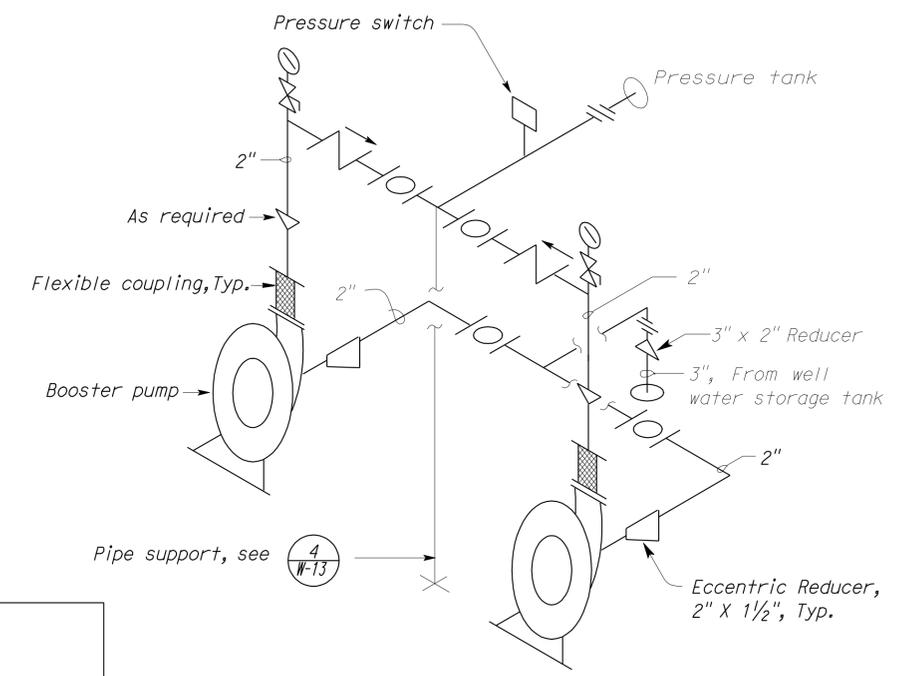
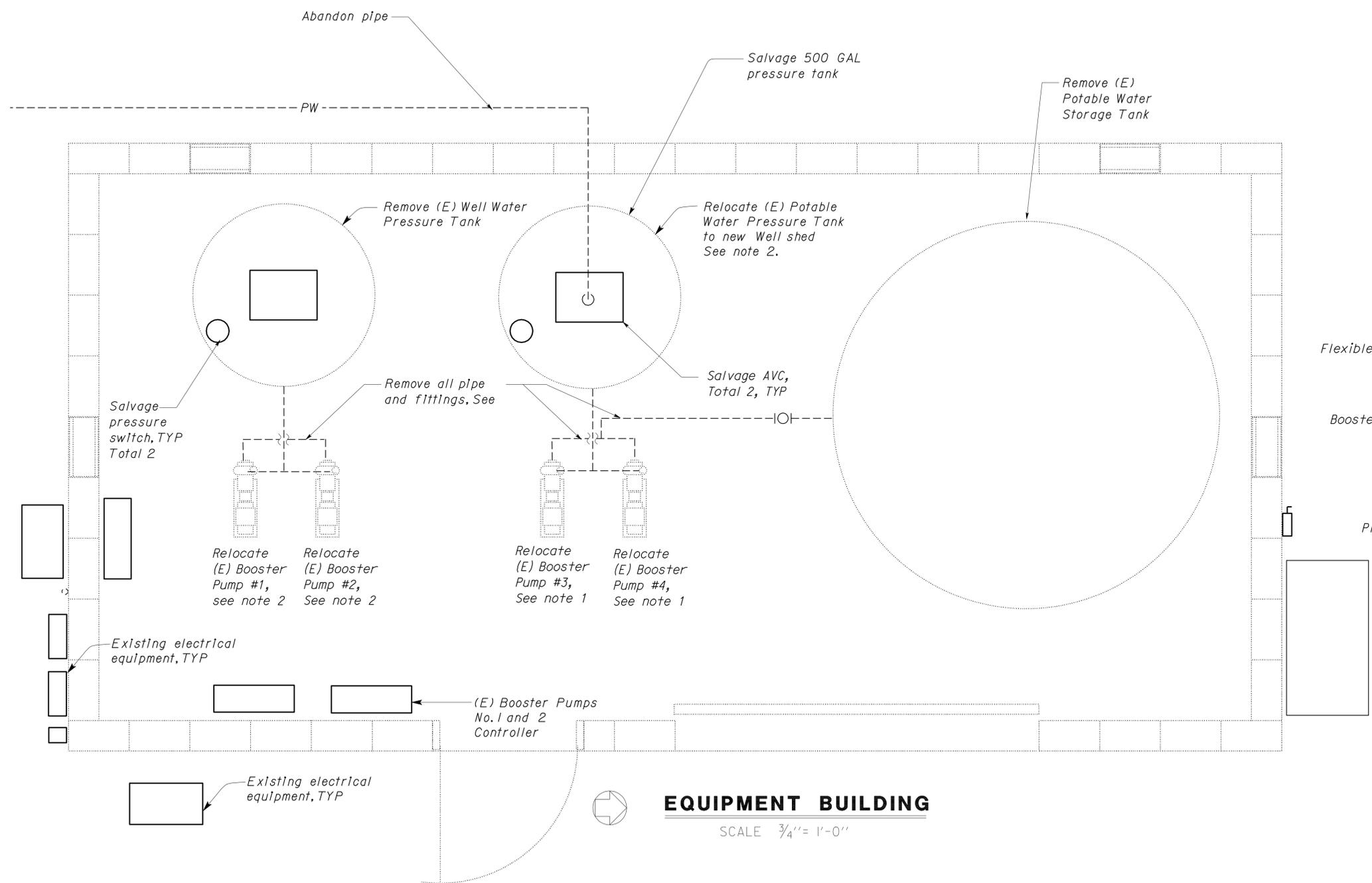
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Reviewed by: *[Signature]*
Approval date: 12-20-10

EQUIPMENT SCHEDULE						
EQUIPMENT	SPEED (RPM)	HP	VOLTS	PHASE	PUMPING RATE (GPM)	TOTAL DYNAMIC HEAD (FT)
(E)Booster Pumps 1,2,3,4	3600	5	230	3	40	180
					60	230
					80	295



1 SCHEMATIC
NO SCALE

- Notes:
- For electrical conduit and panels see electrical plan sheets.
 - Remove all pipes and fittings.

EQUIPMENT BUILDING
SCALE 3/4" = 1'-0"

DESIGN BY Laurie Vasquez CHECKED Don Hansen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5706	DESERT CENTER MAINTENANCE STATION	SHEET W-5				
			POST MILE 105.5			EXISTING EQUIPMENT BUILDING PLAN			
DETAILS BY Laurie Vasquez/KG CHECKED Don Hansen	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3616 08000005391	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF			
QUANTITIES BY Laurie Vasquez CHECKED Don Hansen			DISREGARD PRINTS BEARING EARLIER REVISION DATES	1/20/10	5/22/10		5/28/10	9/28/10	10/06/10

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		61	69

Jerome R. Marcotte 12/20/10
 REGISTERED CIVIL ENGINEER DATE

6-13-11
 PLANS APPROVAL DATE

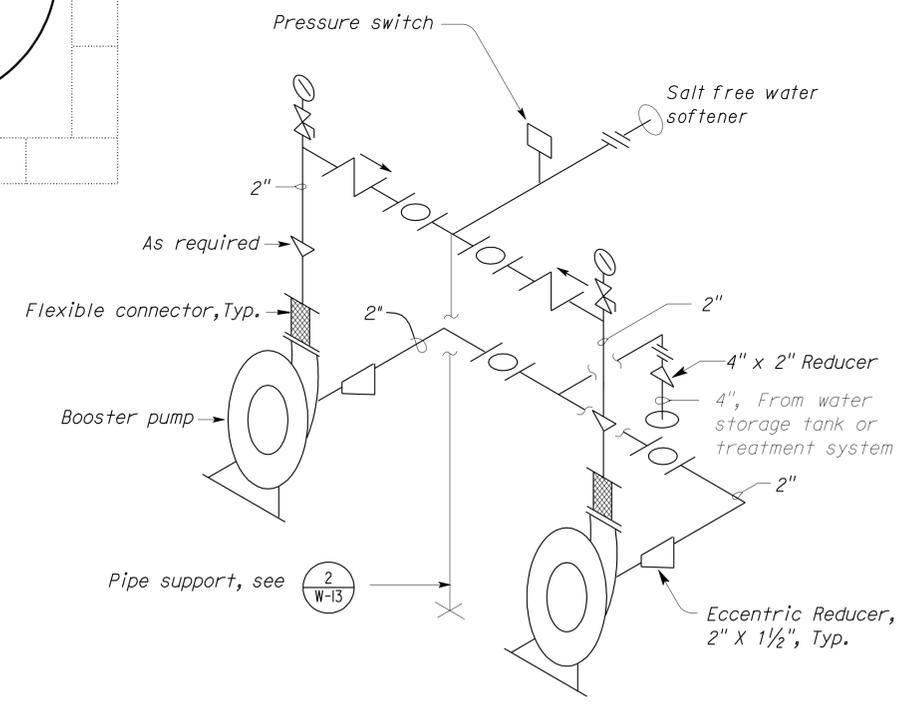
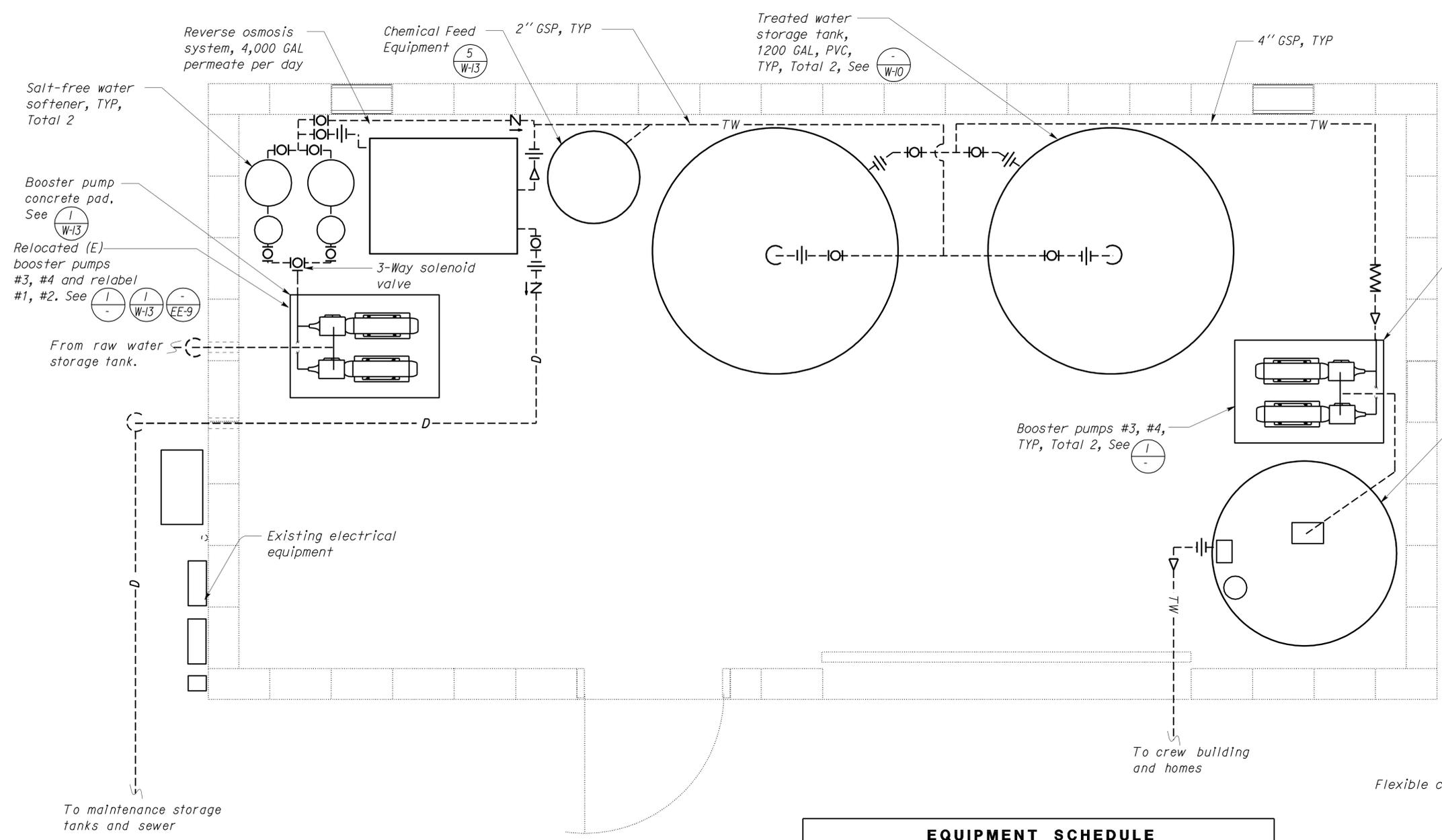
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ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID
08000005391
 Reviewed by: [Signature]
 Date: 12-16-10

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 Reviewed by: [Signature]
 Approval date: 12-20-10

- Notes:
- For electrical plans see EE-9
 - Water pipe from reverse osmosis system may be restrained along wall with pipe restraints/supports into the treated water storage tanks.



EQUIPMENT SCHEDULE						
EQUIPMENT	SPEED (RPM)	HP	VOLTS	PHASE	PUMPING RATE (GPM)	TOTAL DYNAMIC HEAD (FT)
Booster Pumps 1,2	3600	5	230	3	40	180
					60	230
					80	295
Booster Pumps 3,4	3600	5	230	3	40	180
					60	230
					80	295

EQUIPMENT BUILDING
 SCALE 3/4" = 1'-0"

1 SCHEMATIC
 NO SCALE
 Note: Pipe size and fitting may vary depending on booster pumps

DESIGN BY Laurie Vasquez CHECKED Don Hansen DETAILS BY Laurie Vasquez/KG CHECKED Don Hansen QUANTITIES BY Laurie Vasquez CHECKED Don Hansen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5706	DESERT CENTER MAINTENANCE STATION	SHEET W-6
			POST MILE 105.5		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3		UNIT PROJECT NUMBER & PHASE: 3616 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY): 4/20/10 5/20/10 6/20/10 9/20/10 10/20/10 12/20/10

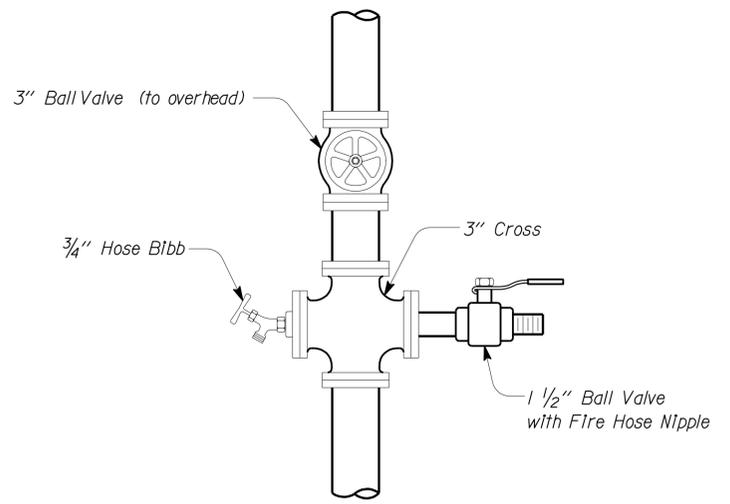
TAEMWW Imperial Rev. 7/10
 EA ON7101
 20-JUN-2011 07:01
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		62	69

<i>Jerome R. Marcotte</i> REGISTERED CIVIL ENGINEER No. C 36844 Exp. 06/30/12 CIVIL STATE OF CALIFORNIA		12/20/10 DATE
6-13-11 PLANS APPROVAL DATE		

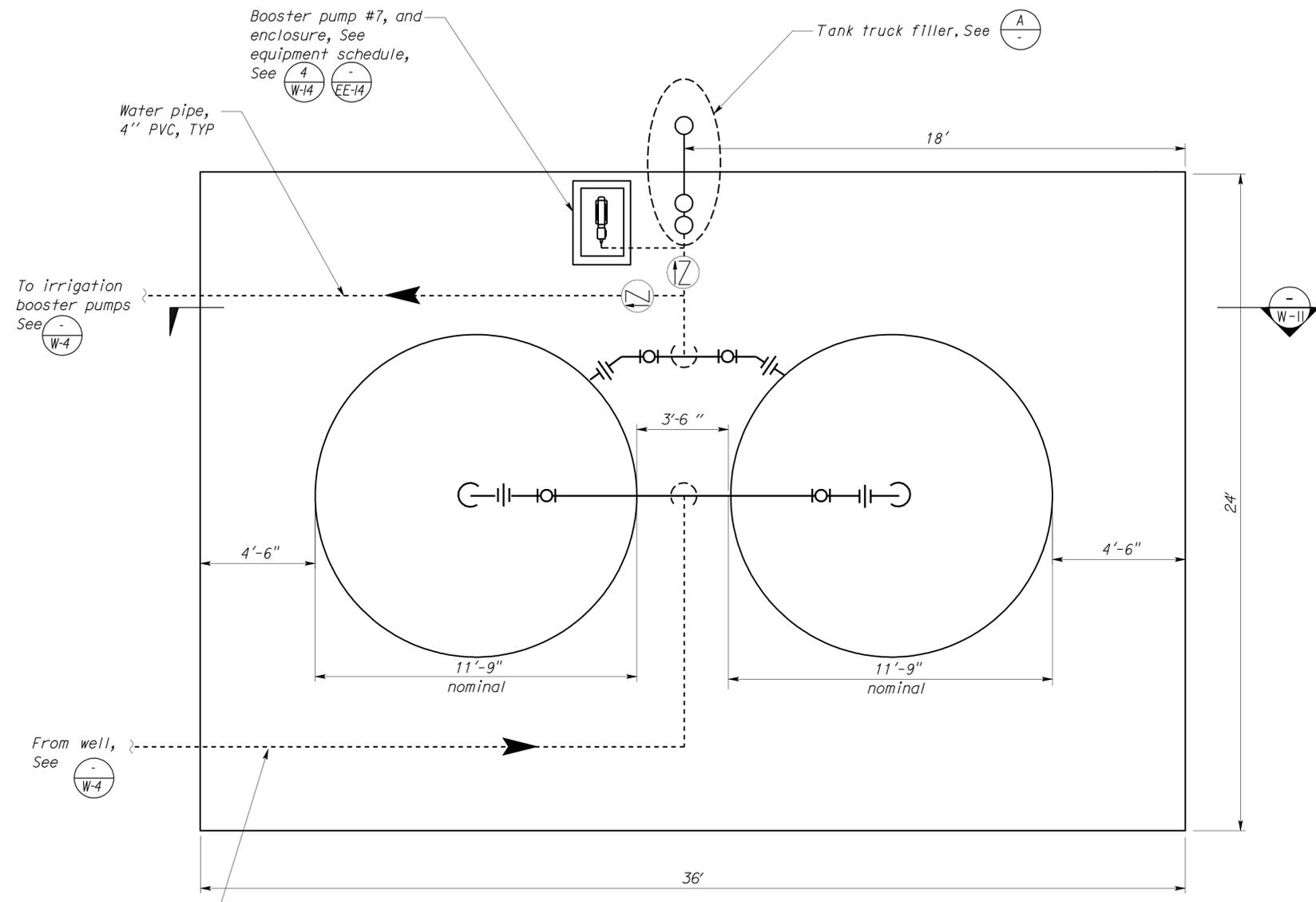
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EQUIPMENT SCHEDULE						
EQUIPMENT	SPEED (RPM)	HP	VOLTS	PHASE	PUMPING RATE (GPM)	TOTAL DYNAMIC HEAD (FT)
Booster Pump #7	3450	7.5	230	3	200	40
					250	55
					300	70

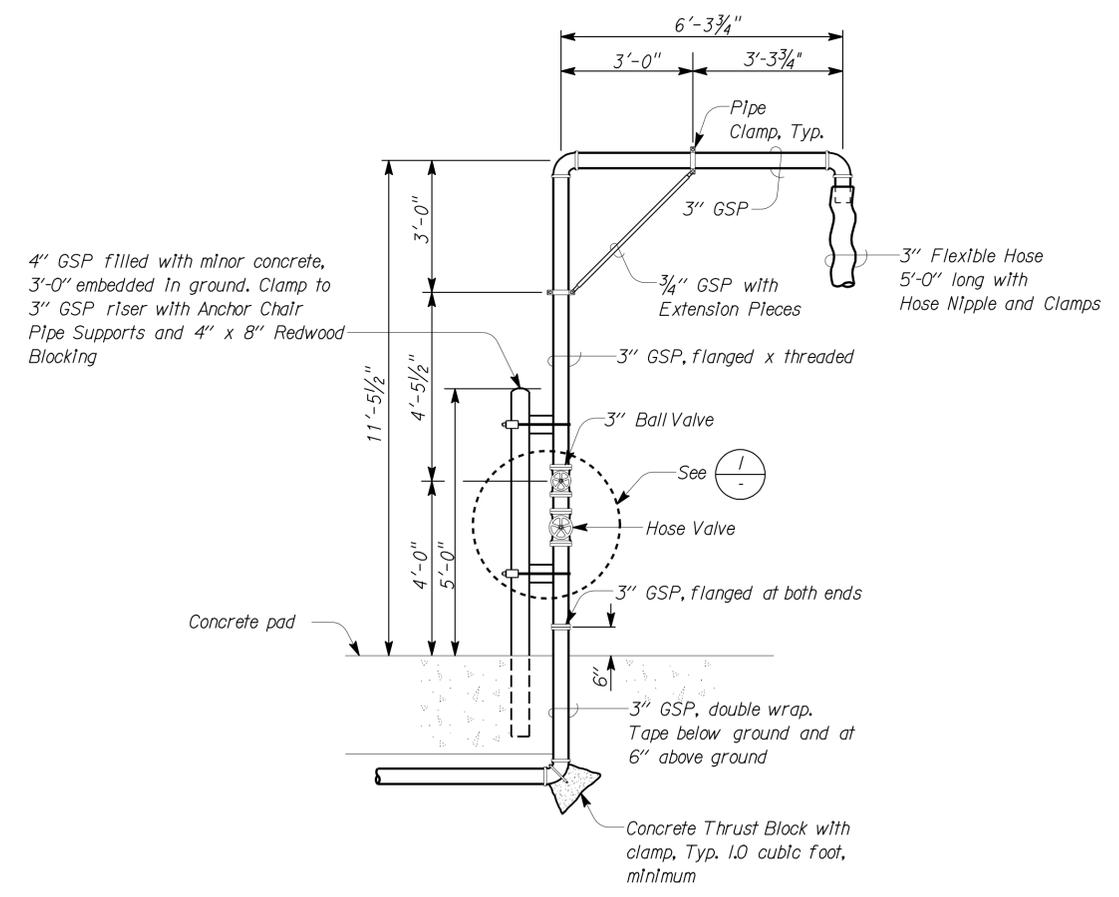


1 **DETAIL**
(ROTATED FOR CLARITY)

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 Reviewed by: *[Signature]*
 Approval date: 12-20-10



MAINTENANCE STORAGE TANK PLAN
 SCALE 3/8" = 1'-0"



A **TANK TRUCK FILLER**
 SCALE 1/2" = 1'-0"

DESIGN	BY Laurie Vasquez	CHECKED Don Hansen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5706	DESERT CENTER MAINTENANCE STATION	SHEET W-7	
	DETAILS	BY Laurie Vasquez/KG			CHECKED Don Hansen			POST MILE 105.5
QUANTITIES	BY Laurie Vasquez	CHECKED Don Hansen	UNIT PROJECT NUMBER & PHASE EA 0N7101	3616 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES			SHEET OF

TAEMWW Imperial Rev. 7/10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT PROJECT NUMBER & PHASE

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET OF

w_07.dgn

EQUIPMENT SCHEDULE						
EQUIPMENT	SPEED (RPM)	KW	VOLTS	PHASE	PUMPING RATE (GPM)	TOTAL DYNAMIC HEAD (FT)
SUBMERSIBLE WELL PUMP	3450	11	230	3	75	500
					100	410
					125	360

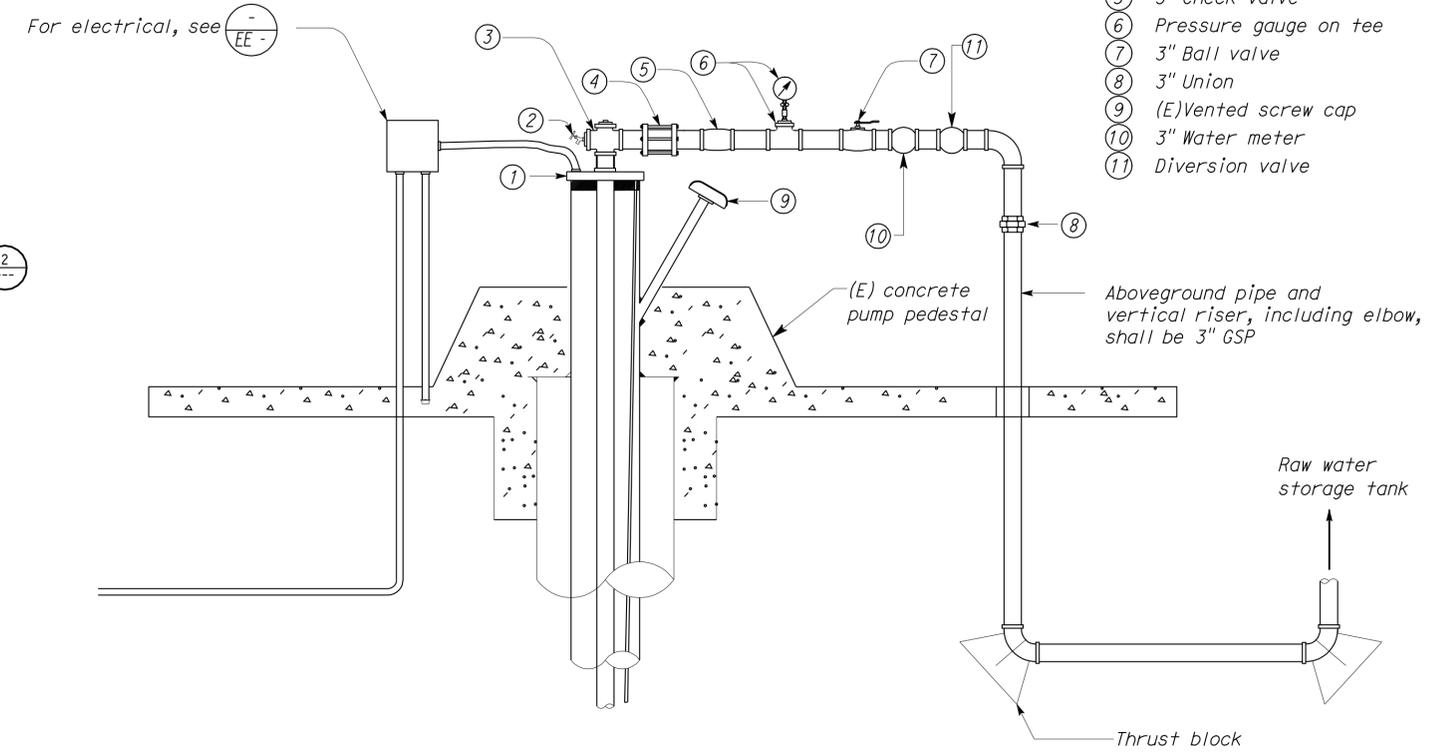
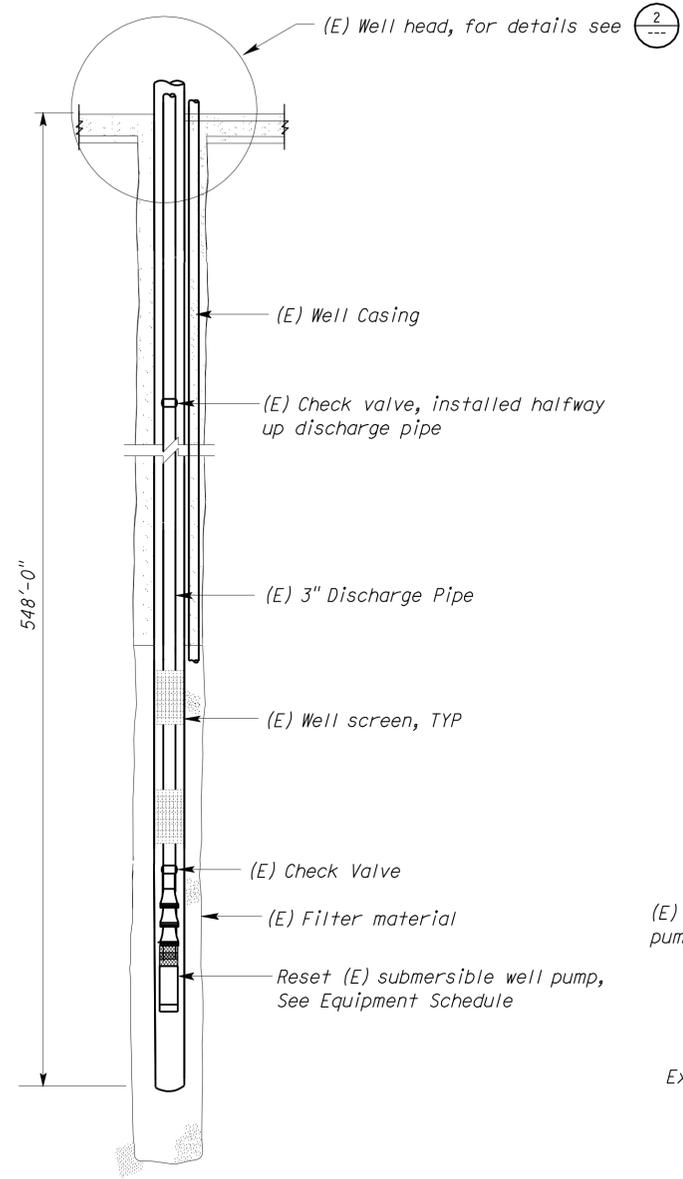
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		63	69

REGISTERED CIVIL ENGINEER
 DATE 12/20/10
 No. C 36844
 Exp. 06/30/12
 CIVIL
 STATE OF CALIFORNIA

6-13-11
PLANS APPROVAL DATE

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- ① Reset (E) Sanitary Well seal
- ② Sampling valve
- ③ 3" GSP cross
- ④ 3" Flexible coupling
- ⑤ 3" Check valve
- ⑥ Pressure gauge on tee
- ⑦ 3" Ball valve
- ⑧ 3" Union
- ⑨ (E) Vented screw cap
- ⑩ 3" Water meter
- ⑪ Diversion valve



CALIFORNIA STATE FIRE MARSHAL APPROVED

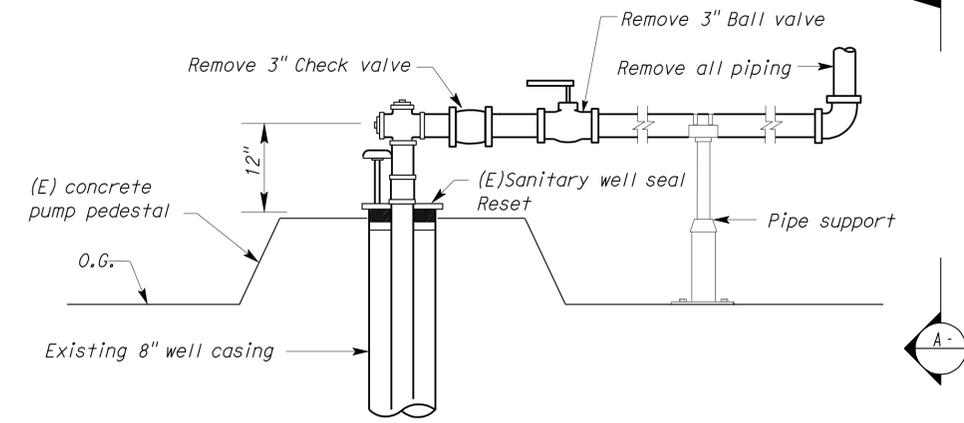
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Reviewed by: [Signature]

Approval date: 12-20-10

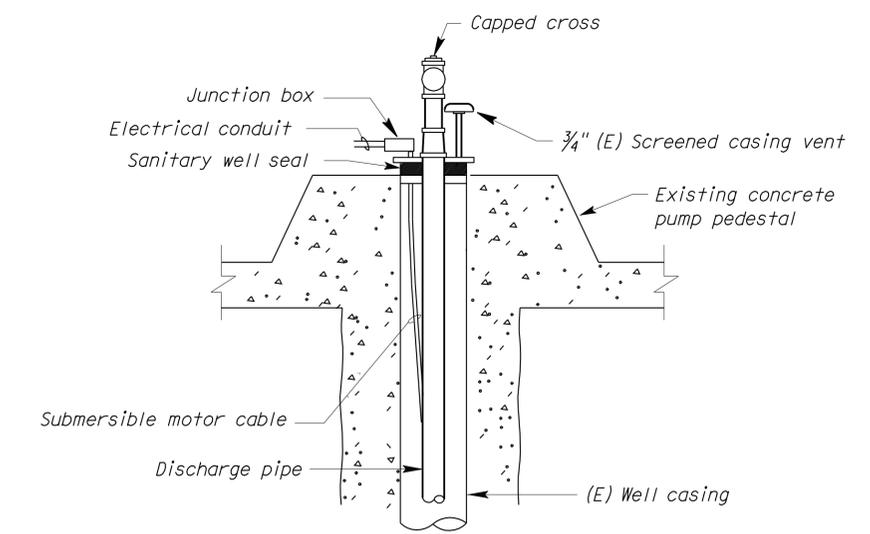
A INSTALL NEW MODIFIED WELL HEAD ASSEMBLY

NO SCALE



2 REMOVE WELL HEAD ASSEMBLY

NO SCALE



A (E) WELL HEAD - SECTION

NO SCALE

1 REHABILITATE WATER WELL

NO SCALE

DESIGN	BY Laurie Vasquez	CHECKED Don Hansen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5706	DESERT CENTER MAINTENANCE STATION	SHEET W-8
	DETAILS BY Laurie Vasquez/KG	CHECKED Don Hansen			POST MILE 105.5		
	QUANTITIES BY Laurie Vasquez	CHECKED Don Hansen					

ORIGINAL SCALE IN INCHES 0 1 2 3
 FOR REDUCED PLANS

UNIT PROJECT NUMBER & PHASE 3616 08000005391
 EA ON7101

DISREGARD PRINTS BEARING EARLIER REVISION DATES
 REVISION DATES (PRELIMINARY STAGE ONLY)
 4/21/10 5/22/10 6/08/10 6/09/10 9/08/10 10/08/10 10/14/10 11/08/10 12/20/10

SHEET OF
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		64	69

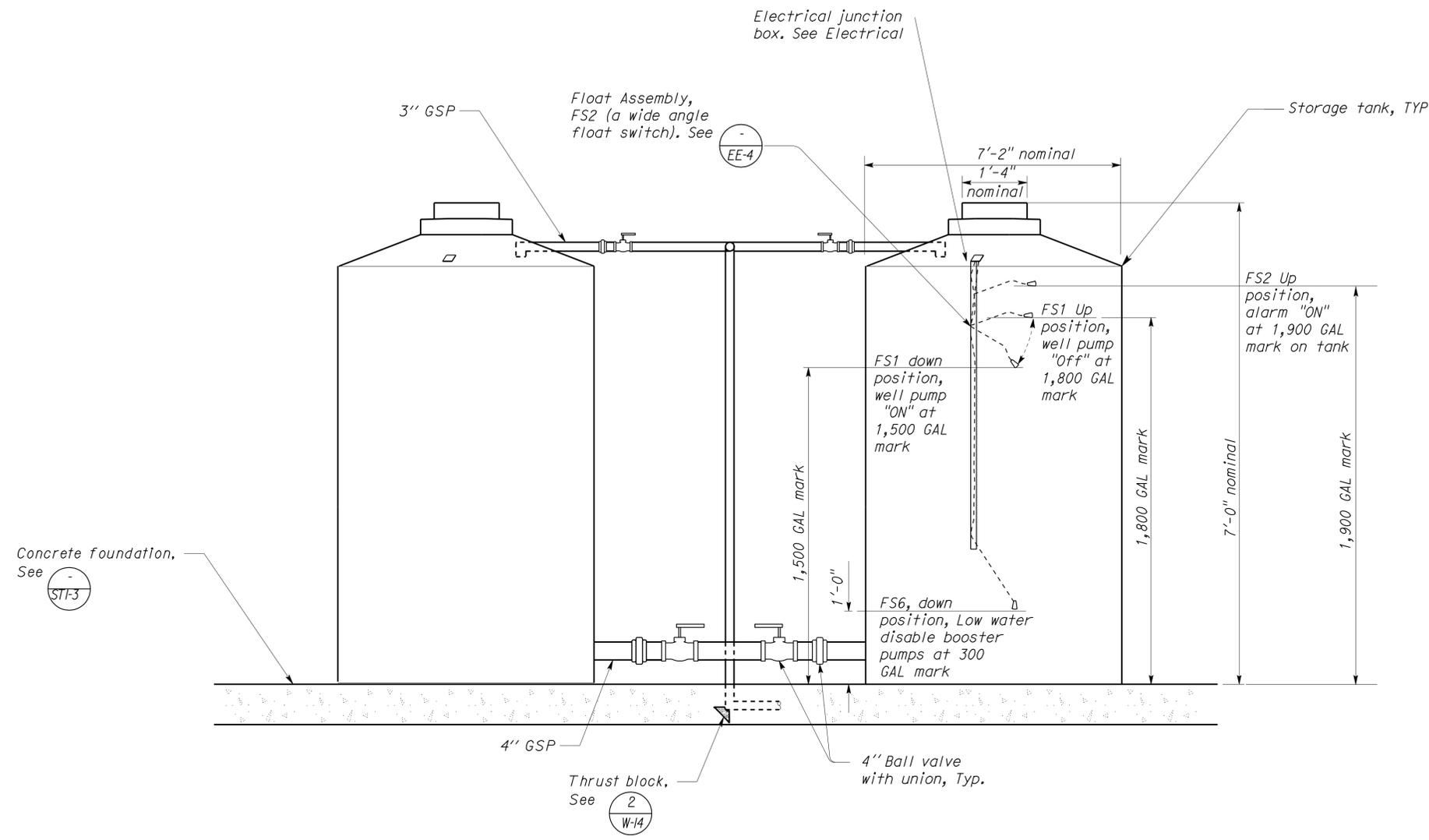
Jerome R. Marcotte 12/20/10
 REGISTERED CIVIL ENGINEER DATE

6-13-11
 PLANS APPROVAL DATE

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 Reviewed by: *[Signature]*
 Approval date: 12-20-10



- Note:
- For plumbing and fittings see .
 - Pipe supports and restraints are required.
 - Tank must be anchored to meet California Building Code.

ELEVATION
2-2,000 GAL RAW WATER STORAGE TANK
 NO SCALE

DESIGN	BY Laurie Vasquez	CHECKED Don Hansen
DETAILS	BY Laurie Vasquez/KG	CHECKED Don Hansen
QUANTITIES	BY Laurie Vasquez	CHECKED Don Hansen

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO.	56M5706
POST MILE	105.5

DESERT CENTER MAINTENANCE STATION
RAW WATER STORAGE TANK ELEVATION

SHEET **W-9** OF

REVISION DATES (PRELIMINARY STAGE ONLY)										
1/20/10	5/22/10	6/22/10	9/22/10	10/22/10	11/22/10	12/20/10				

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		65	69

Jerome R. Marcotte 12/20/10
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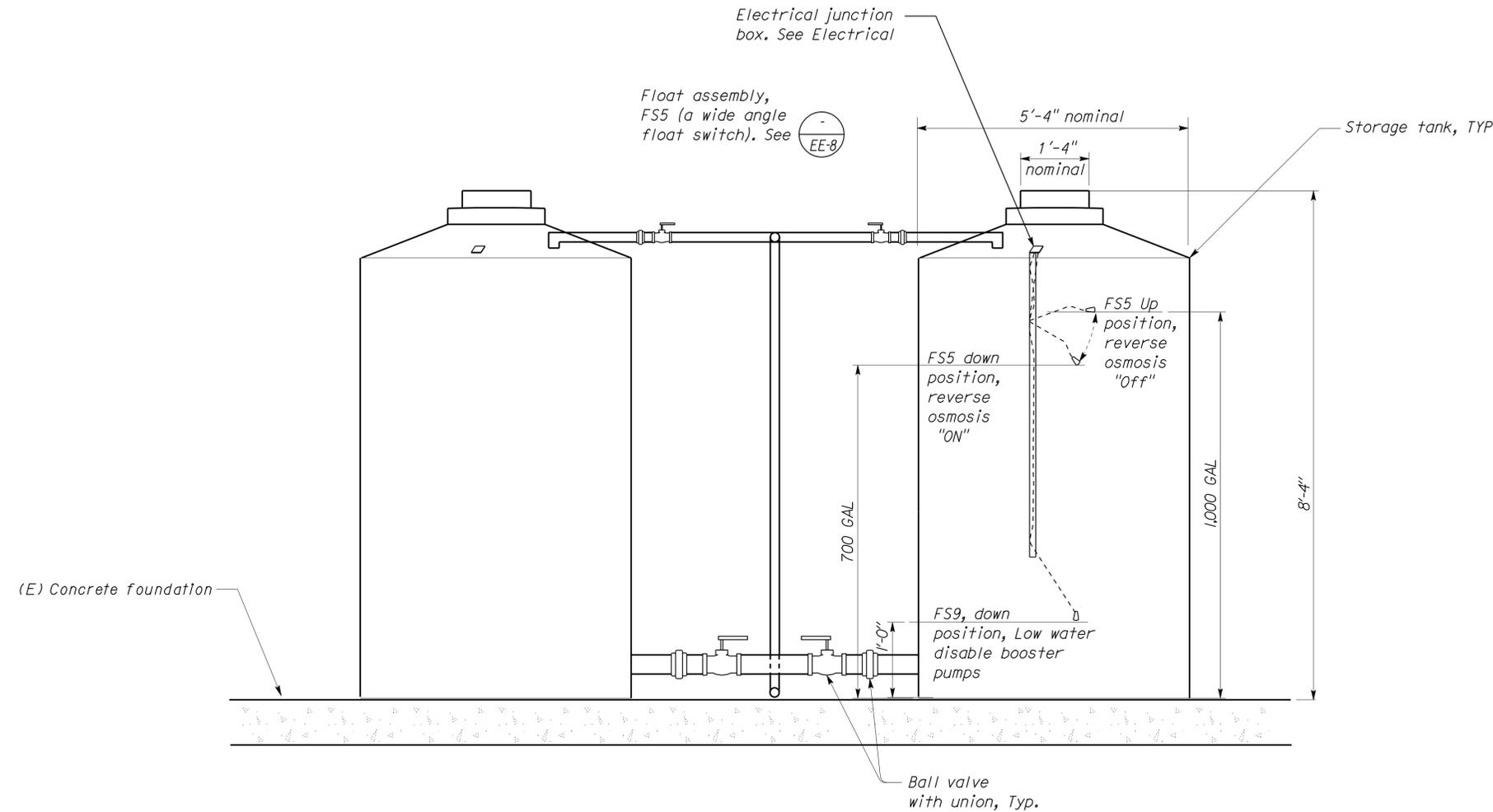


CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: *[Signature]*

Approval date: 12-20-10



- Note:
1. For plumbing and fittings see .
 2. Pipe supports and restraints are required.
 3. Tank must be anchored to meet California Building Code.

ELEVATION

2-1,200 GAL TREATED WATER STORAGE TANK PLAN
NO SCALE

DESIGN BY Laurie Vasquez CHECKED BY Don Hansen DETAILS BY Laurie Vasquez/KG CHECKED BY Don Hansen QUANTITIES BY Laurie Vasquez CHECKED BY Don Hansen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5706 POST MILE 105.5	DESERT CENTER MAINTENANCE STATION TREATED WATER STORAGE TANK ELEVATION	SHEET W-10 OF
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3616 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 4/22/10 5/22/10 6/22/10 9/22/10 10/22/10 11/22/10 12/22/10	SHEET OF
	TAEMWW Imperial Rev. 7/10	EA 0N7101	w_10.dgn	20-JUN-2011 07:01	

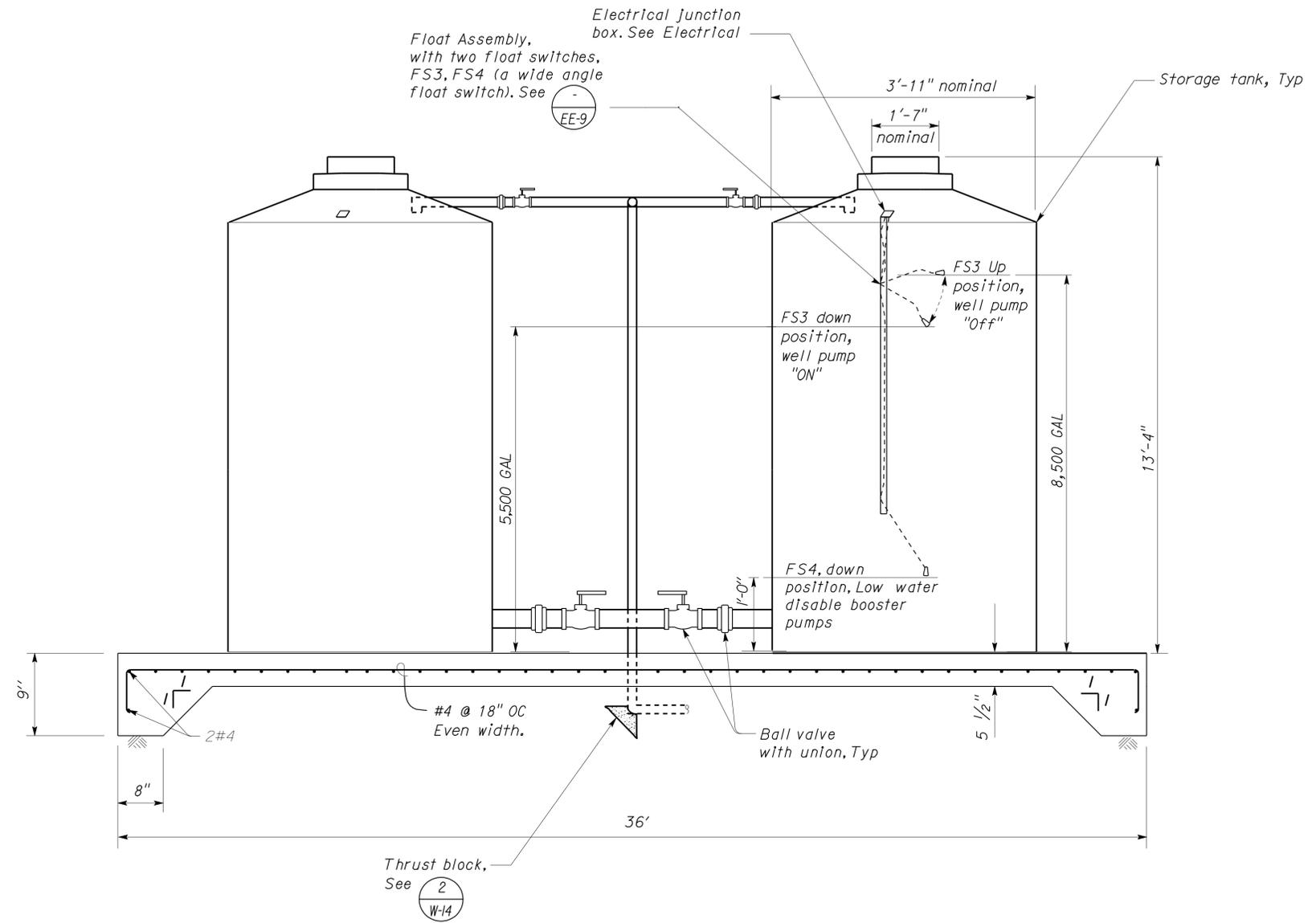
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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Jerome R. Marcotte 12/20/10
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ELEVATION

10,000 GAL MAINTENANCE STORAGE TANK
NO SCALE

- Note:
- For plumbing and fittings see .
 - Pipe supports and restraints are required.
 - Tank must be anchored to meet California Building Code.

DESIGN BY Laurie Vasquez CHECKED Don Hansen DETAILS BY Laurie Vasquez/KG CHECKED Don Hansen QUANTITIES BY Laurie Vasquez CHECKED Don Hansen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5706	DESERT CENTER MAINTENANCE STATION	SHEET W-11
			POST MILE 105.5		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT PROJECT NUMBER & PHASE 3616 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 4/22/10 5/22/10 6/22/10 9/22/10 10/22/10 11/22/10 12/22/10

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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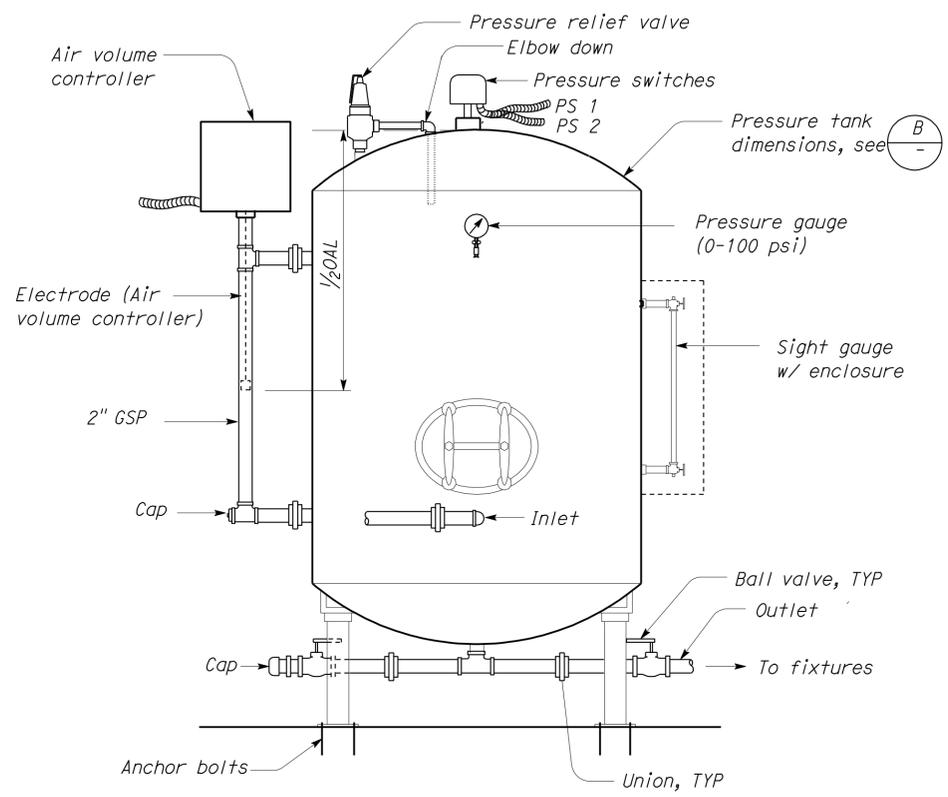
Jerome R. Marcotte 12/20/10
 REGISTERED CIVIL ENGINEER DATE



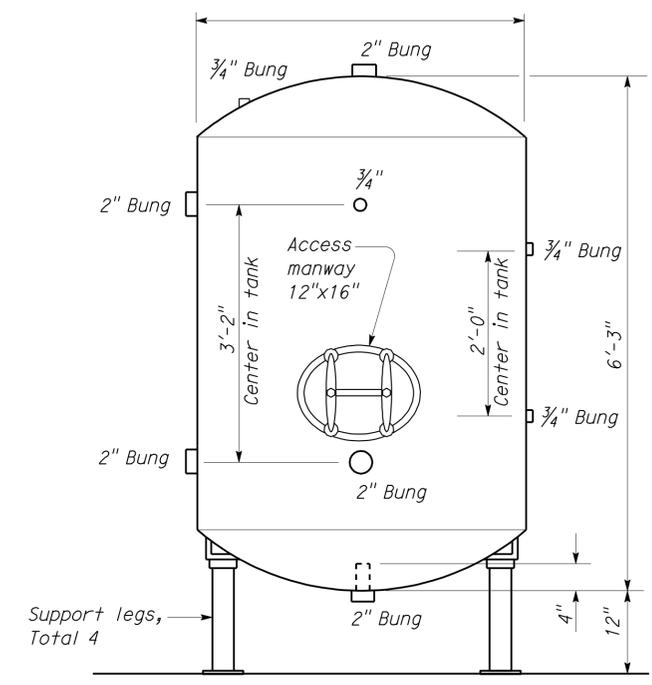
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(A) 300 GALLON PRESSURE TANK



(B) SIDE ELEVATION

- Notes:
1. Install new air volume controller on relocated pressure tanks.
 2. Paint pressure tank Bisque Tan, California Paints. Manufacture's designation is listed to indicate color only and is not listed to intend to show preference to any particular brand.

PRESSURE TANK AND DETAILS
NO SCALE

DESIGN	BY Laurie Vasquez	CHECKED Don Hansen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5706	DESERT CENTER MAINTENANCE STATION	SHEET W-12
	DETAILS	BY Laurie Vasquez/KG			CHECKED Don Hansen		
QUANTITIES	BY Laurie Vasquez	CHECKED Don Hansen	UNIT PROJECT NUMBER & PHASE 3616 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	4/20/10 5/20/10 6/20/10 9/20/10 10/20/10 11/20/10 12/20/10			

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5755		68	69

Jerome R. Marcotte 12/20/10
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 No. C 36844
 Exp. 06/30/12
 CIVIL
 STATE OF CALIFORNIA

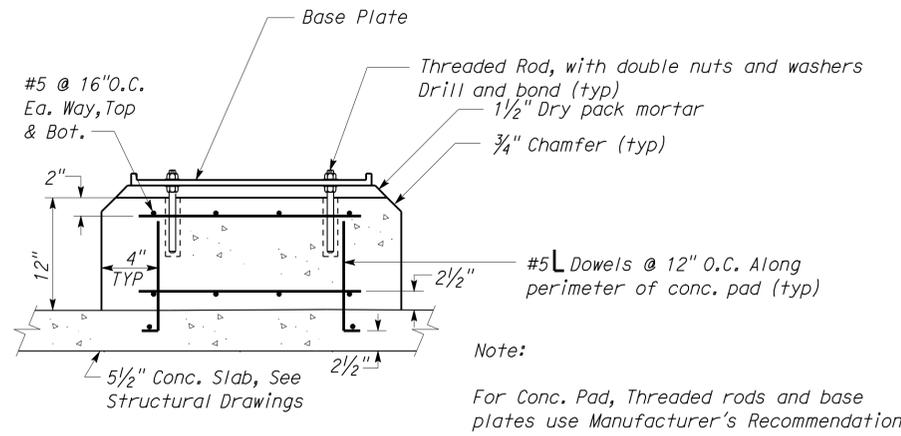
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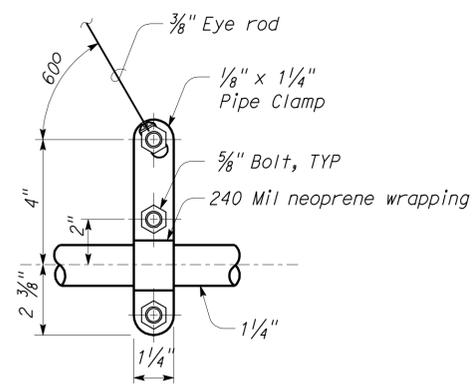
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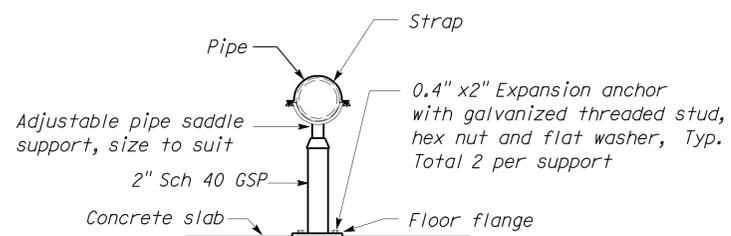
Reviewed by: *[Signature]*
Approval date: 12-20-10



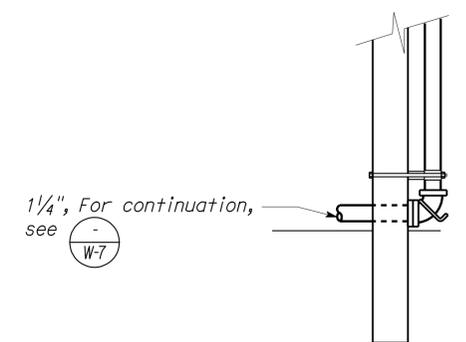
1 BOOSTER PUMP CONCRETE PAD DETAIL
NO SCALE



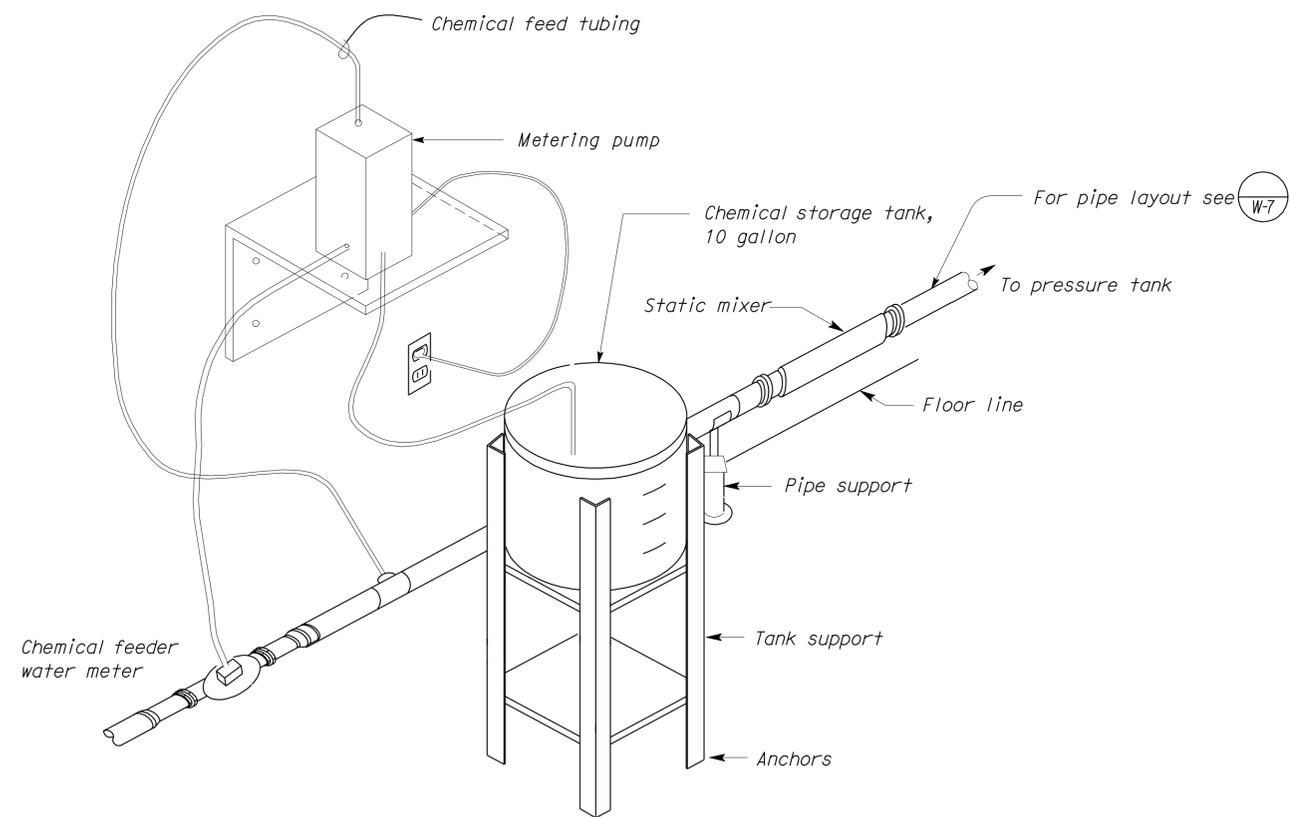
4 PIPE SUPPORT DETAIL
NO SCALE



2 PIPE SUPPORT DETAIL
NO SCALE



3 PIPE WALL PENETRATION AND SUPPORT DETAIL
NO SCALE



5 CHEMICAL FEEDER EQUIPMENT DETAIL
NO SCALE

DESIGN	BY Laurie Vasquez	CHECKED Don Hansen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5706	DESERT CENTER MAINTENANCE STATION	SHEET W-13							
	DETAILS	BY Laurie Vasquez/KG			CHECKED Don Hansen			POST MILE 105.5						
QUANTITIES	BY Laurie Vasquez	CHECKED Don Hansen	UNIT PROJECT NUMBER & PHASE 3616 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF						
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20-JUN-2011 07:02

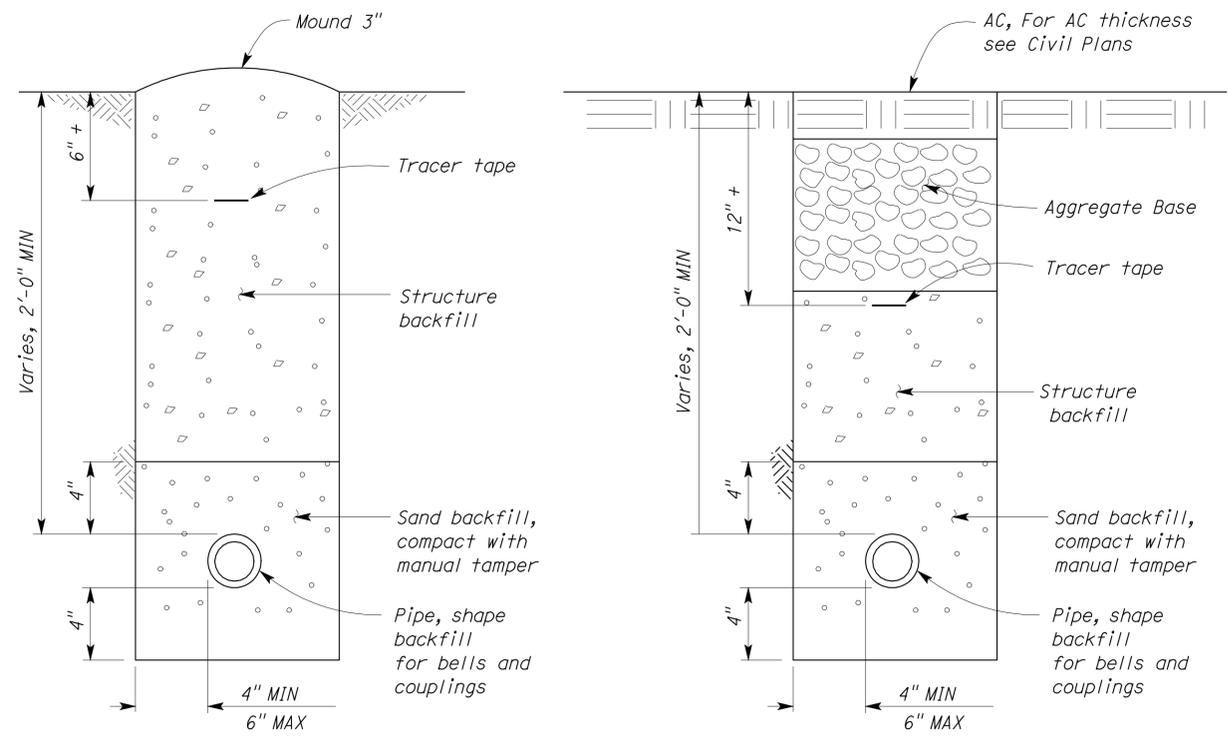
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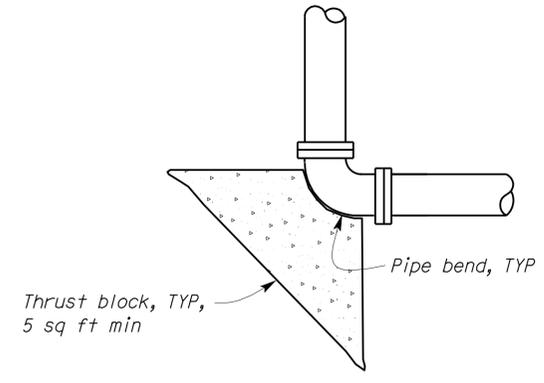
Jerome R. Marcotte 12/20/10
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 6-13-11
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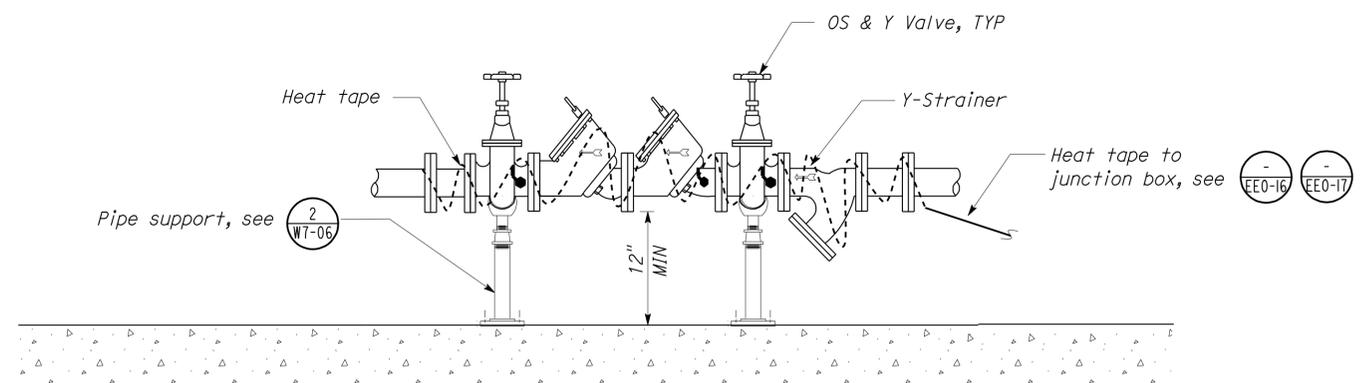
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1 WATER PIPE
NO SCALE

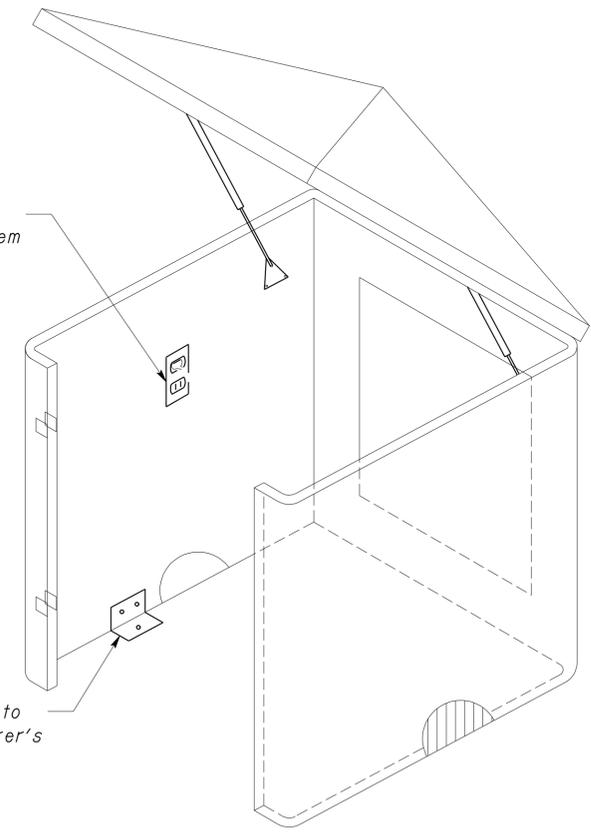


2 THRUST BLOCK
NO SCALE



3 BACKFLOW PREVENTER ASSEMBLY
NO SCALE

Electrical plug and conduit
Install in chlorine feed system enclosure only.



4 ENCLOSURES
NO SCALE

DESIGN	BY Laurie Vasquez	CHECKED Don Hansen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5706	DESERT CENTER MAINTENANCE STATION	SHEET W-14							
	DETAILS	BY Laurie Vasquez/KG			CHECKED Don Hansen			POST MILE 105.5						
QUANTITIES	BY Laurie Vasquez	CHECKED Don Hansen	UNIT PROJECT NUMBER & PHASE 3616 08000005391	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)									
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	<table border="1"> <tr> <td>4/20/10</td> <td>5/20/10</td> <td>6/20/10</td> <td>9/20/10</td> <td>10/20/10</td> <td>11/20/10</td> <td>12/20/10</td> </tr> </table>			4/20/10	5/20/10	6/20/10	9/20/10	10/20/10	11/20/10	12/20/10	SHEET OF
4/20/10	5/20/10	6/20/10	9/20/10	10/20/10	11/20/10	12/20/10								