

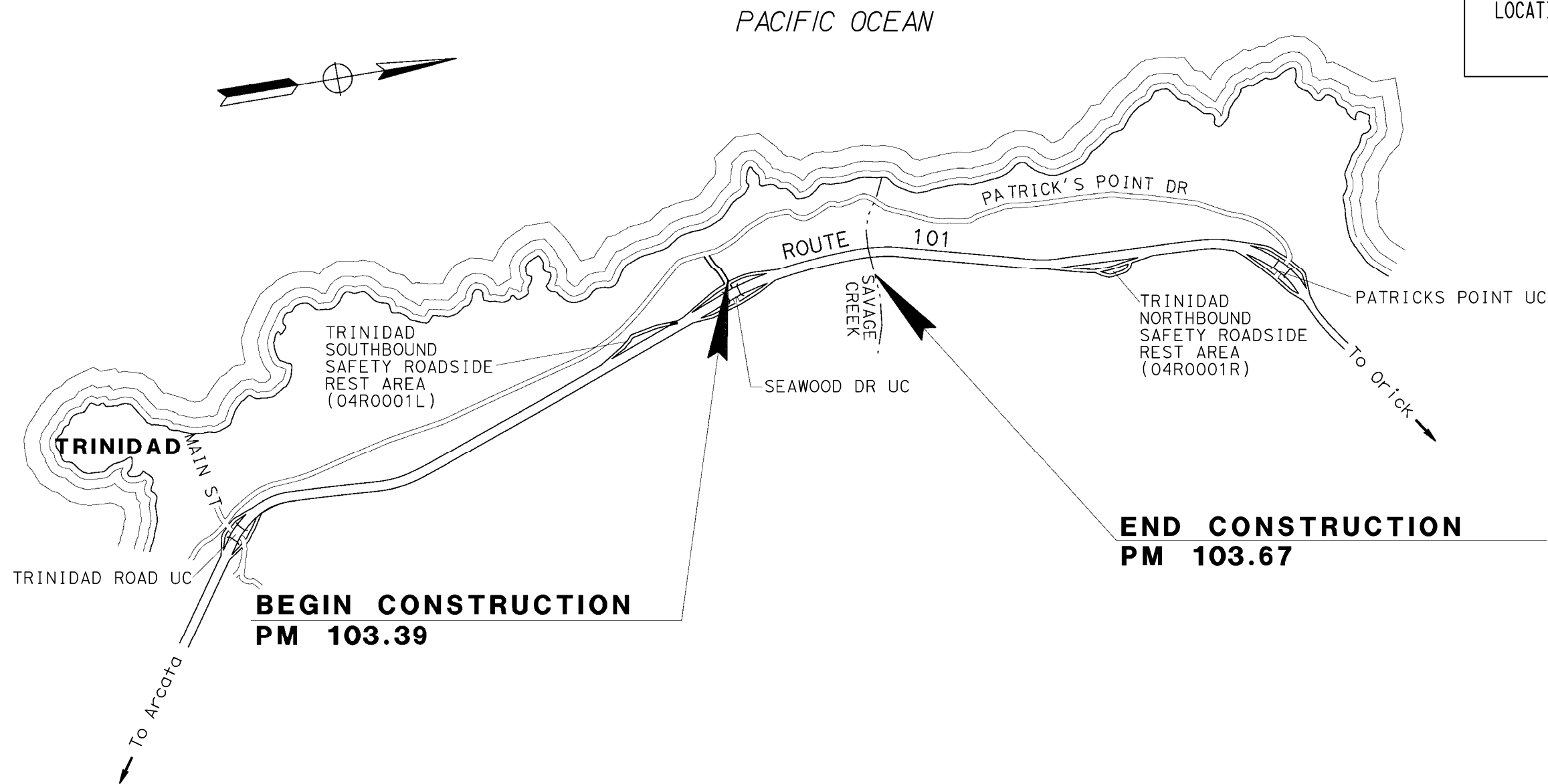
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN HUMBOLDT COUNTY NEAR TRINIDAD
FROM SEAWOOD DRIVE UNDERCROSSING TO 0.3 MILE
NORTH OF SEAWOOD DRIVE UNDERCROSSING.

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2018



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	HUM	101	R103.39/103.67		

LOCATION MAP

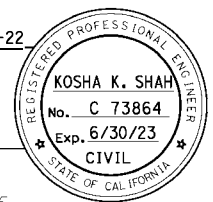


PROJECT MANAGER
CHRIS GHIDINELLI
 DESIGN MANAGER
CHRIS GHIDINELLI

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

NO SCALE

Kosha K. Shah 03-18-22
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER



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.	01-0J3604
PROJECT ID	011900012

LAST REVISION: 11/17/22 BY: P. PATTER

INDEX OF PLANS

ARCHITECTURAL :

SHEETS	NAME
G1-2a	BUILDING ABBREVIATIONS 1 of 3
G1-2b	BUILDING ABBREVIATIONS 2 of 3
G1-2c	BUILDING ABBREVIATIONS 3 of 3
G1-3a	BUILDING SYMBOLS 1 of 3
G1-3b	BUILDING SYMBOLS 2 of 3
G1-3c	BUILDING SYMBOLS 3 of 3

STRUCTURAL :

SHEETS	NAME
STO-1	CONCRETE STANDARD
STI-1	SLAB PLANS AND SECTION

ELECTRICAL :

SHEET	NAME
EE-01	EXISTING SITE PLAN
EE-02	MODIFIED SITE PLAN
EE-03	EXISTING WELL PUMP
EE-04	MODIFIED WELL PUMP
EE-05	EXISTING PARTIAL SITE PLAN
EE-06	MODIFIED PARTIAL SITE PLAN
EE-07	EXISTING SCHEMATICS
EE-08	MODIFIED SCHEMATICS
EE-09	SERVICE PEDESTAL ELEVATION
EE-10	BACKWASH CONTROL PANEL
EE-11	PULLBOX AND ARC FLASH DETAILS

APPROVED FOR WATER WORK ONLY

WATER & WASTEWATER CONTINUED :

SHEET	NAME
W-01	EXISTING SITE PLAN
W-02	MODIFIED SITE PLAN
W-03	EXISTING PARTIAL SITE PLAN
W-04	MODIFIED PARTIAL SITE PLAN
W-05	EXISTING PARTIAL SITE PLAN
W-06	MODIFIED PARTIAL SITE PLAN
W-07	DETAILS
W-08	WELLSUMP
W-09	WELL ENCLOSURE
W-10	DETAILS
W-11	EXISTING STRAM INTAKE VAULT
W-12	MODIFIED STRAM INTAKE VAULT
W-13	SIGN
W-14	INTERCONNECTION DIAGRAM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

Kosha K. Shah
REGISTERED CIVIL ENGINEER DATE 03-18-22

PLANS APPROVAL DATE _____

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DESIGN	BY LAURA MAHONEY	CHECKED	ANDY QUAN
DETAILS	BY KOMEYLA AMINI	CHECKED	ANDY QUAN
QUANTITIES	BY LAURA MAHONEY	CHECKED	ANDY QUAN

ORIGINAL SCALE IN INCHES 0 1 2 3
FOR REDUCED PLANS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3616 CONTRACT No.: 01-0J3604
PROJECT NUMBER & PHASE: 01190000121

BRIDGE NO. 04R001 L
POST MILE R103.39/
R103.87

GENERAL INFORMATION
DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY) 8/27/21
REVISION SHEET V1

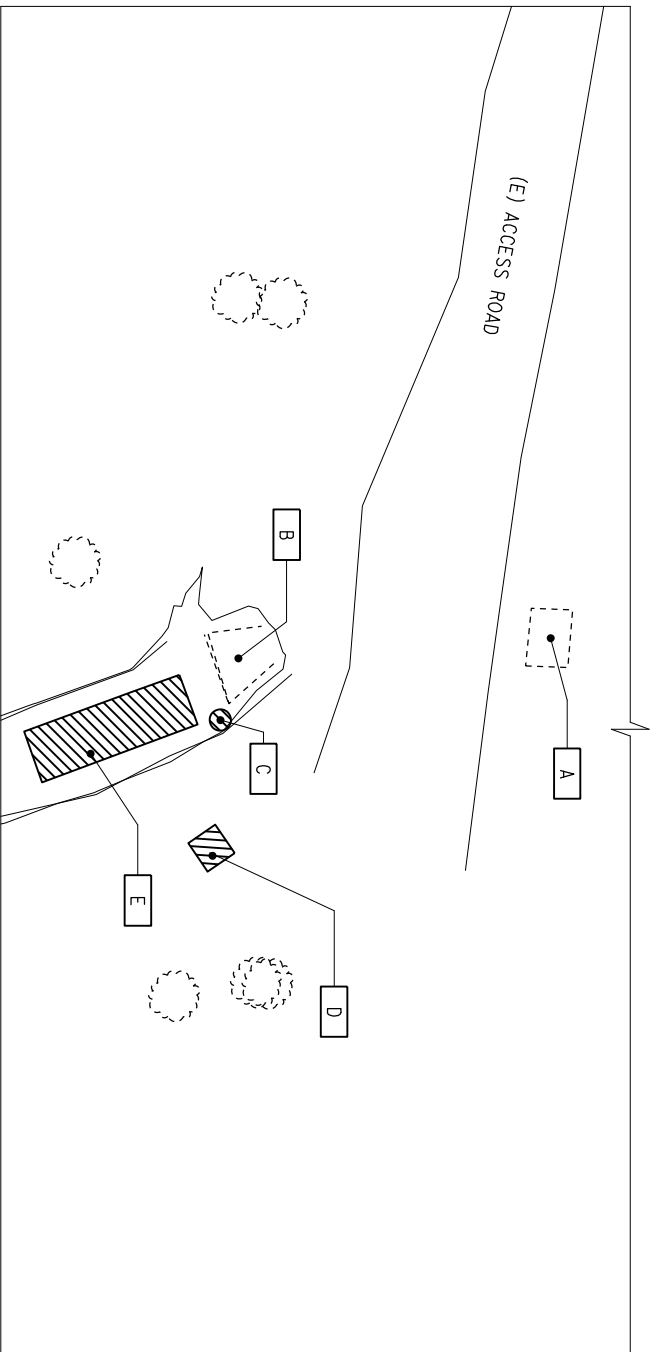
SAVAGE CREEK INTAKE UPGRADE

INDEX OF PLANS

SHEET **G1-1** OF

AREA OF WORK

- 1 UPGRADE THE EXISTING STREAM INTAKE, SEE SHEET W-11 & W-12.
- 2 INSTALL A MANUALLY OPERATED BACKWASH SYSTEM TO FACILITATE INTAKE MAINTENANCE, SEE SHEET W-7.
- 3 REMOVE AND REPLACE THE WELL SUMP FOR THE STREAM INTAKE, SEE SHEET W-8.
- 4 THIS PROJECT HAS NO BUILDING OR STRUCTURES.



LEGEND

- A (E) WOODEN SHACK
- B (E) CULVERT
- C (N) STRAW GAUGE
- D (N) WELL SUMP
- E (E) STREAM INTAKE
- F (E) TRANSFORMER
- G (N) BACKWASHING PUMP PAD
- H (N) ELEC CONTROL PANEL
- I (E) ELEC SERVICE PANEL
- J (N) JUNCTION BOX
- K (E) SIGN

SCOPE OF WORK

UPDATING THE SAVAGE CREEK STREAM INTAKE AND INSTALLING A BACKWASHING SYSTEM TO FACILITATE THE MAINTENANCE OF THE INTAKE

SITE ADDRESS

STREAM INTAKE
 PM 103.6
 ROUTE 101
 HUMBOLT COUNTY, CA 95526
 INTERSECTION OF
 SEAWOOD DRIVE
 HWY 101
 HUMBOLT COUNTY, CA 95526

DESIGN CRITERIA

THE BUILDING WORK FOR THIS PROJECT HAS BEEN DESIGNED TO CONFORM TO THE 2019 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS:

- TITLE 19, CCR, PUBLIC SAFETY, SFM REGULATIONS
- 2019 CA ADMINISTRATIVE CODE TITLE 24, PT 1
- 2019 CA BUILDING CODE (CBC) TITLE 24, PT 2
- 2019 CA ELECTRICAL CODE (CEC) TITLE 24, PT 3
- 2019 CA ENERGY CODE CCR TITLE 24, PT, 6
- 2019 CA FIRE CODE (CFC) CCR TITLE 24, PT 9
- 2019 CA REFERENCED STANDARDS TITLE 24, PT 12
- 2010 ADA STANDARDS
- 2019 CA MECHANICAL CODE (CMC), TITLE 24, PT 4
- 2019 CA PLUMBING CODE (CPC), TITLE 24, PT 5

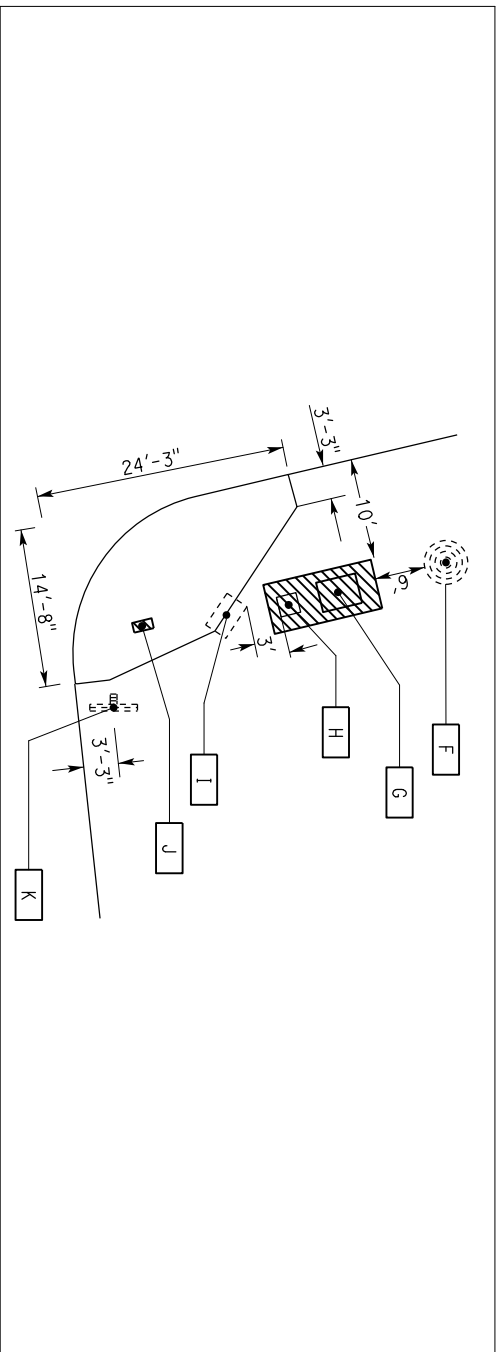
BUILDING DATA

- THIS PROJECT (BASED ON 2019 CALIFORNIA BUILDING STANDARDS CODE)
1. OCCUPANCY CLASS & USE N/A
 2. BUILDING CONSTRUCTION TYPE N/A
 3. NUMBER OF STORIES N/A
 4. ACTUAL BUILDING HEIGHT N/A
 5. BUILDING AREA IN SQ.FT. N/A
 6. AREA OF PROJECT IN SQUARE FEET N/A
 7. SEPARATED OR NON-SEPARATED USE N/A
 8. ALLOWABLE AREA PER CBC N/A
 9. ALLOWABLE AREA INCREASE N/A
 10. ALLOWABLE HEIGHT/STORIES N/A
 11. FIRE SPRINKLERS N/A
 12. FIRE ALARM N/A
 13. OTHER FIRE PROTECTION SYSTEM N/A
 14. SMOKE CONTROL SYSTEM N/A
 15. OCCUPANCY LOAD FOR ENTIRE BUILDING N/A
 16. OCCUPANCY LOAD FOR EACH FLOOR N/A
 17. YEAR BUILDING WAS CONSTRUCTED N/A
 18. HIGH FIRE HAZARD SEVERITY ZONE N/A
 19. SEISMIC JOINTS N/A
 20. FIRE DEPT. RADIO COVERAGE N/A

DEFERRED SUBMITTALS (NONE)

- FIRE ALARM (NOT APPLICABLE)
- AUTOMATIC SUPPRESSION SYSTEM (NOT APPLICABLE)

SITE PLAN - STREAM INTAKE



SITE PLAN - SEAWOOD DRIVE INTERSECTION

NO SCALE

APPROVED FOR WATER WORK ONLY

Dist	COUNTY	ROUTE	POST MILES - TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

REGISTERED CIVIL ENGINEER
 KOSHA K. SHAH
 No. C 13864
 Exp. 6/30/23
 STATE OF CALIFORNIA

PLANS APPROVAL DATE: 03-18-22
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DESIGN	BY LAURA MAHONEY	CHECKED ANDY QUAN	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	SAVAGE CREEK INTAKE UPGRADE	SHEET
DETAILS	BY KOMELYLA AMINI	CHECKED ANDY QUAN			04R001 L	GENERAL	SITE PLAN, BUILDING CODE ANALYSIS, AND PROJECT DATA
QUANTITIES	BY LAURA MAHONEY	CHECKED ANDY QUAN	UNIT: 3616 CONTRACT NO.: 01-0J3604 PROJECT NUMBER & PHASE: 01190000121	DISSENGARD PRINTS BEARING R103.39/R103.67	REVISION DATES (PRELIMINARY STAGE ONLY)	REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION SHEET OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0	1	2	3	X

29-APR-2022 15:58

Dist	COUNTY	ROUTE	POST MILES - TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

LICENSED ARCHITECT
 Donald E. Alsey
 No. C-26676
 07-31-23
 RENEWAL DATE
 STATE OF CALIFORNIA

PLANS APPROVAL DATE: 12-08-20
 DATE: 12-08-20

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.

A

C

D

E continued

G

<p>A AMPERES</p> <p>AAD ADHESIVE ANCHORAGE DEVICE</p> <p>AB ANCHOR BOLT,</p> <p>AB AGGREGATE BASE</p> <p>ABS ACRYLONITRILE BUTADIENE STYRENE ABOVE</p> <p>ABV AIR CONDITIONING,</p> <p>A/C AIR CONDITIONING UNIT</p> <p>AC ASPHALT CONCRETE</p> <p>Acous ACOUSTICAL</p> <p>ACS AIR COMPRESSOR STARTER</p> <p>AD AIR DROP</p> <p>ADA AMERICANS WITH DISABILITIES ACT ADDITIONAL</p> <p>Addl ADDITIONAL</p> <p>Adl ADJUSTABLE</p> <p>AFCI ARC FAULT CIRCUIT INTERRUPTER</p> <p>AHU AIR HEATER UNIT</p> <p>A1 ANALOG INPUT</p> <p>AL ALARM LIGHT</p> <p>Al+ ALTERNATE</p> <p>Alum ALUMINUM</p> <p>AO ANALOG OUTPUT</p> <p>APA AMERICAN PLYWOOD ASSOCIATION</p> <p>APC ALTERNATIVE PIPE CULVERT</p> <p>Approx APPROXIMATE</p> <p>Arch ALARM RESET ARCHITECTURAL, ARCHITECT</p> <p>Asph ASPHALT</p> <p>ATF AUTOMATIC TRANSMISSION FLUID</p> <p>ATS AUTOMATIC TRANSFER SWITCH</p> <p>Auto AUTOMATIC</p> <p>AVC AIR VOLUME CONTROLLER</p> <p>AWG AMERICAN WIRE GAUGE</p>	<p>B</p> <p>B-B BACK TO BACK</p> <p>BC BARE COPPER</p> <p>Bd BOARD</p> <p>BD BUILDING DISCONNECT</p> <p>BFP BACKFLOW PREVENTER</p> <p>BfV BUTTERFLY VALVE</p> <p>Bit+ BITUMINOUS</p> <p>Bldg BUILDING</p> <p>Blok BLOCK</p> <p>Bikg BLOCKING</p> <p>Bm BEAM</p> <p>BN BOUNDARY NAILING</p> <p>BoF BOTTOM OF FOOTING</p> <p>Bot BOTTOM</p> <p>Bp BOOSTER PUMP</p> <p>Br BRIDGE</p> <p>Brk BREAKER</p> <p>BTU BRITISH THERMAL UNIT</p> <p>BTUH BRITISH THERMAL UNIT PER HOUR BETWEEN</p> <p>BUR BUILT-UP-ROOFING</p> <p>BV BALANCING VALVE</p>	<p>C</p> <p>Cb CONDUIT</p> <p>Cdb CABINET</p> <p>Cat CATEGORY</p> <p>Cb CIRCUIT BREAKER, CATCH BASIN</p> <p>CBC CALIFORNIA BUILDING CODE</p> <p>C-C CENTER TO CENTER</p> <p>CCTV CLOSED CIRCUIT TELEVISION CONTROL DISCONNECT,</p> <p>CD CONDENSATE DRAIN</p> <p>Cem CEMENT</p> <p>Cer CERAMIC</p> <p>cfm CUBIC FEET PER MINUTE</p> <p>cfs CUBIC FEET PER SECOND</p> <p>CFS COLD-FORMED STEEL</p> <p>CHWR CHILLED WATER RETURN</p> <p>CHWS CHILLED WATER SUPPLY</p> <p>CI CAST-IRON</p> <p>CIDH CAST IN DRILLED HOLE</p> <p>CIP CAST IN PLACE</p> <p>CJ CONTROL JOINT</p> <p>CKt CIRCUIT</p> <p>CL CHAIN LINK</p> <p>Cig CEILING</p> <p>Clo CLOSET</p> <p>Clr CLEAR</p> <p>CMP CORRUGATED METAL PIPE</p> <p>CMS CHANGEABLE MESSAGE SIGN</p> <p>CMU CONCRETE MASONRY UNIT</p> <p>CO CLEANOUT</p> <p>Col COLUMN</p> <p>Comm COMMUNICATION</p> <p>Conc CONCRETE</p> <p>Conn CONNECTION</p> <p>Const CONSTRUCTION</p> <p>Cont CONTINUOUS, CONTINUED, CONTINUE</p> <p>Corr CORRIDOR</p> <p>COTF CLEANOUT TO FLOOR,</p> <p>COTG CLEANOUT THROUGH FLOOR</p> <p>COTW CLEANOUT TO GRADE,</p> <p>Cp CLEANOUT THROUGH GRADE</p> <p>Cp Control POINT</p> <p>Cplg CARPET COUPLING</p> <p>CPU CENTRAL PROCESSING UNIT</p> <p>CR CONTROL RELAY</p> <p>CS CURRENT SWITCH</p> <p>CTsk COUNTERSUNK CERAMIC TILE</p> <p>CT CENTER</p> <p>Ctr CENTER</p> <p>Cv CHECK VALVE</p> <p>CW COLD WATER PIPE, COLD WATER CUBIC YARD</p> <p>Cy</p>	<p>D</p> <p>DEPTH,</p> <p>DB DRAIN</p> <p>DB DRY BULB</p> <p>DbI DOUBLE</p> <p>DDC DIRECT DIGITAL CONTROL</p> <p>Demo DEMOLISH</p> <p>Det DETAIL</p> <p>DF DRINKING FOUNTAIN,</p> <p>DH DOUGLAS FIR</p> <p>DH DUCT HEATER</p> <p>Dl DRAIN INLET,</p> <p>Dl DIGITAL INPUT</p> <p>Dia DIAMETER</p> <p>DIP DUCTILE IRON PIPE</p> <p>DLC LOOP DETECTOR LEAD-IN CABLE</p> <p>Dn DOWN</p> <p>DO DIGITAL OUTPUT, DITTO</p> <p>DP DRAIN PIPE,</p> <p>D- DUPLEX PLUG RECEPTACLE</p> <p>D- DOOR</p> <p>DS DOWNSPOUT, DOOR SWITCH DRAWER</p> <p>Dwr</p>	<p>E</p> <p>E EAST</p> <p>(E) EXISTING</p> <p>Eg EACH</p> <p>EA EXHAUST AIR</p> <p>EB EASTBOUND</p> <p>EEMS EMERGENCY EYEWASH AND SHOWER</p> <p>EF EXHAUST FAN</p> <p>EH EXHAUST HOOD</p> <p>EHD ELECTRIC HAND DRYER</p> <p>EJ EXTERIOR INSULATION & FINISH SYSTEM</p> <p>EJ EXPANSION JOINT</p> <p>EJFM EXPANSION JOINT FILLER MATERIAL</p> <p>Elect ELECTRICAL</p> <p>Elev ELEVATION, ELEVATION HEIGHT (OR VIEW)</p> <p>Elvr ELEVATOR</p> <p>Embed EMBEDMENT</p> <p>Emer EMERGENCY</p> <p>EMS EXTINGUISHABLE MESSAGE SIGN</p> <p>EN EDGE NAIL</p> <p>EN ETHERNET NETWORK</p> <p>ENET ENCLOSURE</p> <p>Encl EDGE OF PAVEMENT</p> <p>EP ELECTRICAL PANELBOARD</p> <p>EPB ETHYLENE PROPYLENE DIMONOMER PIPE</p> <p>EPS EXPANDED POLYSTYRENE EQUAL</p> <p>Eq EQUIPMENT</p> <p>Eqp EDGE OF TRAVEL WAY</p> <p>ETW ELECTRIC WATER COOLER</p> <p>EW ELECTRIC WATER HEATER</p> <p>EWH</p>	<p>Exp EXPANSION</p> <p>Ext EXTERIOR</p> <p>F FUSE</p> <p>F(ac) AC FUSE</p> <p>FACP FIRE ALARM CONTROL PANEL</p> <p>FAI FRESH AIR INTAKE</p> <p>fc FOOTCANDLE(S)</p> <p>FC FAN COIL</p> <p>FD FLOOR DRAIN, DC FUSE</p> <p>FDC FIRE DEPARTMENT CONNECTION</p> <p>FDGM FREE DRAINING GRANULAR MATERIAL FOUNDATION</p> <p>Fdn FIRE EXTINGUISHER,</p> <p>FE FIRE EXTINGUISHER WITH CABINET MOUNTED</p> <p>FEC FIRE EXTINGUISHER BRACKET MOUNTED</p> <p>FE FIRE EXTINGUISHER WITH CABINET</p> <p>FF FINISH FLOOR</p> <p>FG FINISH GRADE</p> <p>FH FIRE HYDRANT</p> <p>FHC FIRE HOSE CABINET</p> <p>FHMS FLATHEAD METAL SCREW</p> <p>FHWS FLATHEAD WOOD SCREW</p> <p>Fin FINISH</p> <p>FJ FLOOR JOIST</p> <p>FJ FLOOR LINE,</p> <p>FL FAILURE LIGHT</p> <p>Fla FLASHER</p> <p>Flash FLASHING</p> <p>Flex FLEXIBLE CONDUIT</p> <p>Fir FLOOR</p> <p>Fls FLOW SWITCH</p> <p>Fluor FLUORESCENT</p> <p>FM FORCE MAIN</p> <p>FMD FLOW MEASURING DEVICE</p> <p>FN FACE (FIELD) NAIL</p> <p>FO FIBER OPTIC</p> <p>F0B FACE OF BUILDING</p> <p>FOC FACE OF CONCRETE</p> <p>FOF FACE OF FINISH</p> <p>FOM FACE OF MASONRY</p> <p>FOS FACE OF STUD</p> <p>FR FAILURE RESET, FLAME RESISTANT FRAMING</p> <p>Frmg FIBERGLASS REINFORCED PLASTIC PANEL</p> <p>FRPP FLOOR SINK,</p> <p>FS FLOOR SWITCH</p> <p>ft FEET,</p> <p>Ft FOOT</p> <p>Ftg FOOTING</p> <p>FTR FLUE THROUGH ROOF</p> <p>Fur FURRING</p> <p>Fw FREEWAY</p>	<p>G</p> <p>G GROUND</p> <p>Gg GAUGE</p> <p>GAC GRANULAR ACTIVATED CARBON</p> <p>Gal GALLON</p> <p>Galv GALVANIZED</p> <p>GgIv GRAB BAR,</p> <p>GB GROUND BUS</p> <p>GFCI GROUND-FAULT CIRCUIT INTERRUPTER</p> <p>G1 GALVANIZED IRON</p> <p>GLM GLUE LAMINATED MEMBER</p> <p>GLV GLOBE VALVE</p> <p>GIZ GLAZING</p> <p>GPM GALLONS PER MINUTE</p> <p>Gr GRADE</p> <p>GRS GALVANIZED RIGID STEEL</p> <p>GSM GALVANIZED SHEET METAL</p> <p>GSP GALVANIZED STEEL PIPE</p> <p>GV GATE VALVE</p> <p>GWH GAS WATER HEATER</p> <p>GYP GYPSUM</p> <p>WB GYPSUM WALLBOARD</p>
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FILE NO.	STANDARD DRAWING		
DRAWING DATE	DESIGN BY	CHECKED BY	APPROVED BY
09-15	Donald Alsey	Robert TrAVIS	Robert TrAVIS
	DESIGN ENGINEER	DESIGN ENGINEER	DESIGN SUPERVISOR
TAEMWV Imperial - CCSC Rev. 10/20	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		
	0 1 2 3		
	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		
	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN		
	BRIDGE NO.	SAVAGE CREEK INTAKE UPGRADE	
	04R0011		
	POST MILE R103.39/R103.67	ABBREVIATIONS	
		BUILDING ABBREVIATIONS 1 of 3	
	REVISION DATES (PRELIMINARY STAGE ONLY)	REVISION SHEET	OF
	07-11-18	V1	0F
	SHEET G1-2a		

Dist	COUNTY	ROUTE	POST MILES - TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

Donald E. Alsey
 LICENSED ARCHITECT
 DATE: 12-08-20
 PLANS APPROVAL DATE: 07-31-23
 LICENSED ARCHITECT
 Donald E. Alsey
 No. C-26676
 RENEWAL DATE: 07-31-23
 STATE OF CALIFORNIA
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H

HEIGHT
HYDRANT BOX
HOLLOW CORE
HOLD DOWN,
HAND DRYER
HEADER
HARDWOOD
HARDWARE
HEXAGON,
HEXAGONAL
HOSE FAUCET
HANGER
HIGH INTENSITY RADIANT HEATER
HOLLOW METAL
HOT MIX ASPHALT
HORIZONTAL
HORSEPOWER
HIGH PRESSURE SODIUM
HOUR
HIGH STRENGTH BOLT
HOLLOW STRUCTURAL SECTION
HEATING, VENTILATING AND
AIR CONDITIONING
HOT WATER RETURN
HOT WATER SUPPLY
HIGHWAY
HERTZ

Kitchen
KITCHEN SINK
KILOVOLT
KILOVOLT AMPERES
KILOWATT

L

LABORATORY
LAVATORY
POUND
POUND-FORCE
LIGHTING CONTACTOR
LIQUID CRYSTAL DISPLAY
LIGHTING CONTROL PANEL
LIGHT DISCONNECT
LEAK DETECTOR CIRCUIT INTERRUPTER
LIGHT EMITTING DIODE
LINEAR FEET
LOW INTENSITY RADIANT HEATING
LANDSCAPE IRRIGATION SYSTEM
LOCKER
LIQUID LEVEL RELAY
LIQUID LEVEL CONTROLLER
LONG LEG HORIZONTAL
LONG LEG VERTICAL
LAYOUT LINE
LIGHT PANEL
LIQUIFIED PETROLEUM GAS
LOW PRESSURE SODIUM
LIGHT SWITCH
LAG SCREW
LIGHT TRANSFORMER
LEFT
LIGHT TRANSFORMER OVERLOAD
LIGHT TRANSFORMER PRIMARY DISCONNECT
LIGHT TRANSFORMER SECONDARY DISCONNECT
LAMINATED VENEER LUMBER
LOUVER
LOW WATER RELAY

LABORATORY
LAVATORY
POUND
POUND-FORCE
LIGHTING CONTACTOR
LIQUID CRYSTAL DISPLAY
LIGHTING CONTROL PANEL
LIGHT DISCONNECT
LEAK DETECTOR CIRCUIT INTERRUPTER
LIGHT EMITTING DIODE
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LIGHT PANEL
LIQUIFIED PETROLEUM GAS
LOW PRESSURE SODIUM
LIGHT SWITCH
LAG SCREW
LIGHT TRANSFORMER
LEFT
LIGHT TRANSFORMER OVERLOAD
LIGHT TRANSFORMER PRIMARY DISCONNECT
LIGHT TRANSFORMER SECONDARY DISCONNECT
LAMINATED VENEER LUMBER
LOUVER
LOW WATER RELAY

M continued

METAL
MANUFACTURED
MANUFACTURER
MANAGER
MANHOLE,
MOUNTING HEIGHT
MINUTE(S)
MINIMUM
MIRROR
MISCELLANEOUS
MALLEABLE IRON WASHER
MASONRY OPENING
MASTER RELAY/STARTER
MOP SINK,
MOTOR SAVER
MAIN SWITCHBOARD
EMPTY CONDUIT
MOUNTED
MATERIAL
MANUAL TRANSFER SWITCH
MULLION

N

NEW
NORTH,
NEUTRAL
NAVIGATIONAL LIGHTS
NORTHBOUND,
NEUTRAL BUS
NORMALLY CLOSE
NAPKIN DISPOSAL
NATIONAL FIRE PROTECTION ASSOCIATION
NOT IN CONTRACT
NUMBER (must have period)
NORMALLY OPEN
NOMINAL
NUMBERS
NATIONAL PIPE THREAD
NATIONAL STANDARD THREAD
NEUTRAL SWITCHING BREAKER

O continued

OPPOSITE
OPTION,
OPTIONAL
OUTSIDE AIR
ORIENTED STRAND BOARD

P

PITCH,
POLE (CIRCUIT BREAKER)
POST BASE,
PULL BOX,
PUSH BUTTON
POST CAP
PORTLAND CEMENT CONCRETE
PUMP CONTROL PANEL
PRE-COOL WATER PUMP
PRE-COOL WATER RETURN
PRE-COOL WATER SUPPLY
PUMP DISCONNECT
POWDER DRIVEN FASTENER
PHOTOELECTRIC CONTROL
PHOTOELECTRIC UNIT
PHASE FAILURE RELAY
PHASE FAILURE RELAY DISCONNECT
PHASE
PILOT LIGHT
PLASTIC LAMINATE
PROGRAMMABLE LOGIC CONTROLLER
PLYWOOD
PRESSED METAL FRAME
PAIR
PREFABRICATED
PARTITION
PRESSURE REDUCING VALVE
POWER SUPPLY,
PRESSURE SWITCH
POUNDS PER SQUARE INCH
PRESSURE TREATED
POINT
PAPER TOWEL DISPENSER
PAPER TOWEL DISPENSER
WITH RECEPTACLE
POWER TRANSFER SWITCH
PHOTOVOLTAIC
POLYVINYL CHLORIDE
PREFABRICATED WOOD 1 BEAM

Q

QUARRY TILE

I

INTRUSION ALARM CONTROL PANEL
IRRIGATION CONTROLLER
IRRIGATION CONTROLLER CABINET
INSIDE DIAMETER
INVERT ELEVATION
INTEGRATED FACILITY SYSTEM
INDICATING LIGHT
INCH
INFORMATION
INSULATION
INTERIOR
INTERNATIONAL PIPE STANDARD
IRRIGATION
INDUCTION RELAY
INTRINSICALLY SAFE RELAY
INTERNATIONAL SYMBOL
OF ACCESSIBILITY
INSTANT WATER HEATER

MILLIAMPERE
MANUAL
MASONRY
MAXIMUM
MAIN BREAKER,
MACHINE BOLT
MEMBER
MOTORIZED BALL VALVE
METALLIC CONDUIT
MOTOR CONTROL CENTER
MOTOR CIRCUIT PROTECTOR
MOTOR DISCONNECT
MECHANICAL EXPANSION ANCHOR
MECHANICAL
MEMBRANE

M

OBSCURE
ON CENTER
OUTSIDE DIAMETER
OVERFLOW DRAIN
OFFICE
ORIGINAL GROUND
OPPOSITE HAND,
OVER HEIGHT,
OVERHEAD
OVAL HEAD WOOD SCREW
OPERATOR INTERFACE TERMINAL
OVERLOAD
OPENING

STANDARD DRAWING

FILE NO.	DESIGN	CHECKED	APPROVED
DRAWING DATE	DETAILS BY	CHECKED	CHECKED
09-15	Roberting Quidlin	Robert Trowis	Robert Trowis
	SUBMITTED BY	DESIGN ENGINEER	DESIGN SUPERVISOR

TAKMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND DESIGN
STRUCTURAL DESIGN

BRIDGE NO. 04R001L
POST MILE R103.397
R103.67

ABBREVIATIONS

BUILDING ABBREVIATIONS 2 OF 3

SHEET G1-2b

Dist	COUNTY	ROUTE	POST MILES - TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

LICENSED ARCHITECT
Donald E. Alsey
 No. C-26676
 07-31-23
 RENEWAL DATE
 STATE OF CALIFORNIA

LICENSED ARCHITECT
 Donald E. Alsey
 No. C-26676
 07-31-23
 RENEWAL DATE
 STATE OF CALIFORNIA

PLANS APPROVAL DATE: 12-08-20
 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.

T continued

TOP	TOP OF PAVEMENT
TOS	TOE OF SLOPE
Tot	TOTAL
TOW	TOP OF WALL
TS	TIMER SWITCH,
	TEMPERATURE SWITCH
TSCD	TOILET SEAT COVER DISPENSER
TSW	TEST SWITCH
TTB	TELEPHONE TERMINAL BOARD
TTD	TOILET TISSUE DISPENSER
TTD/ND	TOILET TISSUE DISPENSER/ NAPKIN DISPOSAL
TTY	TELETYPEWRITER
TU	TERMINAL UNIT
TYP	TYPICAL

W continued

WG	WATER GAUGE
WH	WALL HEATER
WHA	WATER HAMMER ARRESTOR
WIM	WEIGH-IN-MOTION
WLS	WORKING LEVEL SWITCH
WP	WORKING POINT, WEATHERPROOF,
	WATER PIPE
WR	WATER RESISTANT
WS	WASH SINK
WSMS	WEIGH STATION MESSAGE SIGN
WSP	WELDED STEEL PIPE
W+	WEIGHT
WtPr	WATERPROOFING
WW	WASTEWATER
WWF	WELDED WIRE FABRIC

S continued

Sht	SHEET
Shtg	SHEATHING
Shwr	SHOWER
Slm	SIMILAR
SL	SCORE LINE,
	SUMP LIGHT
SMS	SHEET METAL SCREW
SOHD	SECTIONAL OVERHEAD DOOR
SP	SEWAGE PIPE,
	STATIC PRESSURE
Spec	SPECIFICATIONS (S)
SPR	STANDBY POWER RECEPTACLE
SPS	STRUCTURAL PLYWOOD SHEATHING
Sq	SQUARE
Sq ft	SQUARE FOOT,
	SQUARE FEET
SRRA	SAFETY ROADSIDE REST AREA
S/S	SERVICE SINK
SS	SANITARY SEWER, SELECTOR SWITCH
SST	STAINLESS STEEL
ST	STARTER
Stg	STATION
Stdg	STAGGER(ED)
Std	STANDARD
SH	STEEL
Str	STORAGE
Struc	STRUCTURAL
Susp	SUSPENDED
SV	SOLENOID VALVE
SWIM	SLOW WEIGH-IN-MOTION
Sym	SYMMETRICAL

R

R	RADIUS,
	RISER
RA	RETURN AIR
R&D	REMOVE AND DISPOSE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN,
	RECEPTACLE DISCONNECT
ROO	ROOF DRAIN OVERFLOW PIPING
RD/O	ROOF DRAIN WITH OVERFLOW
Rdwd	REDWOOD
Recept	RECEPTACLE
Ref	REFERENCE
Refg	REFRIGERATOR
Reg	REGISTER
ReInf	REINFORCED, REINFORCEMENT, REINFORCING
	RELOCATED
Rel	REQUIRED
Res	RESISTOR
Rfg	ROOFING
Rfsw	ROUGHSAWN
RH	ROUND HEAD, RADIANT HEATER
RHWS	ROUND HEAD WOOD SCREW
RIO	REMOTE INPUT/OUTPUT
RJ	ROOF JOIST
RLM	REDUNDANCY LINK MODULE
Rm	ROOM
RO	ROUGH OPENING
RRBP	REDUCED PRESSURE BACK FLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
RPU	RECYCLE PROCESS UNIT
Rt	RIGHT
Rte	ROUTE
RTB	RADIO TERMINAL BOARD
RV	RELIEF VALVE
RW	RETAINING WALL
R/W	RIGHT-OF-WAY
RWL	RAINWATER LEADER

T

T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TB	TERMINAL BLOCK
TC	TERMINAL CABLE
TCV	TEMPERATURE CONTROL VALVE
TD	TRENCH DRAIN
TDR	TIME DELAY RELAY
Tel	TELEPHONE
Temp	TEMPORARY, TEMPERATURE
Ter	TERRAZZO
TGLS	TOGGLE SWITCH
Thk	THICK
ThId	THRESHOLD
TJ	TOOLED JOINT
TKbd	TACKBOARD
TM	TIME METER
TN	TOE NAIL
TNWM	TAMPON/NAPKIN VENDING MACHINE
TOF	TOP OF FRAMING

V

V	VENT, VOLT(S)
Vor	VARIABLE, VARIES
VAC	VOLTAGE ALTERNATING CURRENT
VDC	VOLTAGE DIRECT CURRENT
VCP	VITRIFIED CLAY PIPE
VCT	VINYL COMPOSITION TILE
VD	VOLUME DAMPER
Ver-t	VERTICAL
Vest	VESTIBULE
VFD	VARIABLE FREQUENCY DRIVE
VR	VENT RISER
VTR	VENT THROUGH ROOF

X

Xfm	TRANSFORMER
-----	-------------

Y

Yd	YARD
----	------

S

S	SOUTH
SA	SUPPLY AIR
SB	SOUTHBOUND
SBM	STANDARD BENCH MARK
SC	SOLID CORE, STARTER COIL
Sch	SCHEDULE
SD	STORM DRAIN, SOAP DISPENSER, SERVICE DISCONNECT
SDS	SANITARY DUMP STATION
SDSTS	SELF DRILLING SELF TAPPING SCREW
Sec	SECOND(S)
SF	SUPPLY FAN
SFR	SEAL FAILURE RELAY
SN	SHELF

W

W	WEST, WATT, WIDTH, WATER
W/O	WITHOUT
WB	WESTBOUND,
WC	WATER CLOSET
W.C.	WATER COLUMN (must have periods)
Wd	WOOD
WDW	WINDOW

STANDARD DRAWING
 FILE NO. _____
 DRAWING DATE **09-15**
 DESIGNER: Robert Trowis
 CHECKED BY: Donald Alsey
 APPROVED: *Robert Trowis*
 DESIGN SUPERVISOR: _____
 DEPARTMENT OF TRANSPORTATION
 ARCHITECTURAL AND STRUCTURAL DESIGN
 BRIDGE NO. 04R001L
 POST MILE R103.39/ R103.67
 ABBREVIATIONS: _____
 BUILDING ABBREVIATIONS: 3 OF 3
 SHEET **G1-2c** OF _____
 ORIGINAL SCALE: 1/4" = 1'-0"
 FOR REDUCED PLANS: 0 1 2 3
 UNIT: 3616 CONTRACT NO.: 01-0J3604
 PROJECT NUMBER & PHASE: 01190000121
 DISREGARD PRINTS BEARING EARLIER REVISION DATES
 REVISION DATES (PRELIMINARY STAGE ONLY):
 05-24-09-11-19
 V1
 STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN
 UNIT: 3616 CONTRACT NO.: 01-0J3604
 PROJECT NUMBER & PHASE: 01190000121
 DISREGARD PRINTS BEARING EARLIER REVISION DATES
 REVISION DATES (PRELIMINARY STAGE ONLY):
 05-24-09-11-19
 V1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

Donald E. Alsey
 LICENSED ARCHITECT
 No. C-26676
 07-31-23
 RENEWAL DATE
 STATE OF CALIFORNIA

PLANS APPROVAL DATE: 07-31-23
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COMMON TAEMWW SYMBOLS

	PLAN NORTH ARROW		EXISTING FEATURES
	TRUE NORTH ARROW		CMU WALL ON PLAN VIEWS
	GRID LINE INDICATOR		CONCRETE
	ELEVATION OR WORKING POINT		SAND
	MATCH LINE		ORIGINAL GROUND
	ROOM NUMBER		FREE DRAINING GRANULAR MATERIAL
	KEYED NOTE CALLOUT		BLOCKING IN SECTION OR ELEVATION
	REVISION CALLOUT		CONTINUOUS MEMBER IN SECTION
	PARTIAL SECTION CUT		END OF MEMBER
	FULL SECTION CUT		GLUE LAMINATED MEMBER SECTION
	DETAIL NUMBER OR NOTE NUMBER		SURFACE DRAINAGE
	ADDITIONAL REFERENCE (IF REQUIRED)		EXISTING SPOT GRADE IN FEET
	DRAWN ON SAME SHEET		

ARCHITECTURAL SPECIFIC SYMBOLS

	DOOR DESIGNATION		SHADED ARROW INDICATES ELEVATION DRAWN
	WINDOW DESIGNATION		SECTION LETTER; SECTION DRAWN ON SAME SHEET
	LOUVER DESIGNATION		ELEVATION LETTER; ELEVATION DRAWN ON SAME SHEET
	COLOR DESIGNATION		
	EQUIPMENT / FURNITURE DESIGNATION		

STRUCTURAL SPECIFIC SYMBOLS

	BEARING WALL		HOLD DOWN, Typ (MANUFACTURERS ARE THOSE NOTED IN THE ORDER SHOWN)
	SHEAR WALL		FRAME CONNECTOR (MANUFACTURERS ARE THOSE NOTED IN THE ORDER SHOWN)
	DROPPED SLAB ON PLAN VIEWS		SHEARWALL SCHEDULE SYMBOL LENGTH REFERENCE
	STRUCTURE BACKFILL (SHOWN ON DETAIL)		
	STRUCTURE EXCAVATION (SHOWN ON DETAIL)		
	LIMITS OF STRUCTURE BACKFILL (SHOWN ON PLAN VIEWS)		
	BOTTOM OF FOOTING ELEVATION		

FILE NO.	DESIGN	CHECKED	APPROVED
DRAWING DATE	BY	BY	DATE
09-15	Donald Alsey	Robert Travis	
	Robert Travis	Robert Travis	
	DESIGN ENGINEER	DESIGN SUPERVISOR	

STANDARD DRAWING

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0 1 2 3

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 04R0011 POST MILE R103.39/ R103.67

SAVAGE CREEK INTAKE UPGRADE BUILDING SYMBOLS 1 of 3

SHEET G1-3a

SYMBOLS FOR ELECTRICAL WIRING AND PLAN LAYOUTS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	POLE-TOP LIGHT FIXTURE	S	SINGLE-POLE SWITCH
	POLE-ARM LIGHT FIXTURE	S2	DOUBLE-POLE SWITCH
		S3	THREE-WAY SWITCH
	SURFACE FLUORESCENT, METAL HALIDE, LED, OR SODIUM VAPOR FIXTURE	S4	FOUR-WAY SWITCH
	RECESSED FLUORESCENT, METAL HALIDE, LED, OR SODIUM VAPOR FIXTURE	SCHLF	TWO TIMER SWITCHES, ONE SWITCH FOR LIGHT AND FAN AND ONE SWITCH FOR HEAT LAMP
	EXIT LIGHT	SD	DIMMER SWITCH
	SURFACE OR PENDANT INDIVIDUAL FLUORESCENT OR LED FIXTURE	SOTS	DIGITAL TIMER SWITCH
	RECESSED INDIVIDUAL FLUORESCENT OR LED FIXTURE	SF	FAN SWITCH
	SURFACE OR PENDANT CONTINUOUS ROW FLUORESCENT OR LED FIXTURES	SHP	MANUAL MOTOR STARTING SWITCH, WITHOUT OVERLOAD ELEMENT
	NOTE:	SK	KEY OPERATED SWITCH
	EMERGENCY LIGHTING FIXTURE WITH INTEGRAL BATTERY PACK	SQ	OCCUPANCY SENSOR WALL SWITCH, SINGLE LEVEL
	JUNCTION BOX	S1	OCCUPANCY SENSOR WALL SWITCH, BI-LEVEL
	DROP CORD	S2	OCCUPANCY SENSOR WALL SWITCH, THERMAL OVERLOAD TYPE
	SINGLE RECEPTACLE OUTLET	ST	MANUAL MOTOR STARTING SWITCH, THERMAL OVERLOAD TYPE
	DUPLEX RECEPTACLE OUTLET	SWP	WEATHERPROOF SWITCH
	DUPLEX RECEPTACLE OUTLET (WITH GFCl)	SCHLF	COMBINATION HEAT, LIGHT, AND FAN UNIT
	DUPLEX RECEPTACLE OUTLET, WEATHERPROOF (WITH GFCl)	CHLF	TIMER SWITCH
	CONTROLLED DUPLEX RECEPTACLE OUTLET	PS	PUSHBUTTON
	SINGLE, SPECIAL PURPOSE RECEPTACLE OUTLET	RS	PUSHBUTTON STATION MOTOR CONTROL
	CLOCK HANGER RECEPTACLE	R	PRESSURE SWITCH
	FLOOR SINGLE RECEPTACLE OUTLET	MC	CONTROL RELAY
	FLOOR DUPLEX RECEPTACLE OUTLET	MC	FLOW SWITCH
	FLOOR SPECIAL PURPOSE OUTLET	MC	PHOTOELECTRIC UNIT
	FLOOR TELEPHONE OUTLET	MC	HAND DRYER
	MULTI-FLOOR OUTLET, 2 OR MORE GANG	MC	FLUSH-MOUNTED PANELBOARD, PANEL OR CABINET
	MULTI-OUTLET ASSEMBLY	MC	SURFACE-MOUNTED PANELBOARD, PANEL OR CABINET
	COMMUNICATION OUTLET	MC	MOTOR CONTROLLER
	SOUND SYSTEM LOUD SPEAKER OUTLET	MC	DISCONNECT SWITCH
	MICROPHONE OUTLET	MC	METAL CONDUIT CONCEALED IN CEILING OR WALL
	THERMOSTAT	MC	METAL CONDUIT EMBEDDED IN FLOOR
	RADIO OUTLET	MC	CONDUIT EXPOSED
	CAMERA	MC	CROSS-LINES INDICATE NUMBER OF #12 AWG CONDUCTORS, LONGER

SYMBOLS FOR ELECTRICAL SCHEMATICS AND DIAGRAMS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SURFACE METAL RACEWAY		CONDUCTOR INFO (PER CONDUIT)
	CONDUIT TYPE		CONDUIT SIZE
	NUMBER OF CONDUITS (NO NUMBER INDICATES ONE CONDUIT)		CONDUIT, METAL, UNDERGROUND
	CONDUIT, NON-METALLIC, UNDERGROUND		CONDUIT, PVC COATED RIGID STEEL, UNDERGROUND
	CONDUIT, FLEXIBLE		CONDUIT, TURN UP
	CONDUIT, EXPANSION JOINT		CONDUIT SEAL, EXPLOSION-PROOF
	ADAPTER, ONE TYPE CONDUIT TO ANOTHER POLE		ELECTRICAL PULL BOX No. 5, UNLESS OTHERWISE INDICATED OR NOTED
	PULL BOX, ADDITIONAL DESIGNATIONS		NUMBER ABOVE PULL BOX DESIGNATES ITS SIZE
	TRAFFIC RATED PULL BOX (TR) TAMPER RESISTANCE PULL BOX		OCCUPANCY SENSOR CEILING MOUNTED
	OCCUPANCY SENSOR POWER PACK		MANUAL PULL STATION
	AUDIO/VISUAL ALARM DEVICE		HEAT DETECTOR
	SMOKE DETECTOR		DUCT SMOKE DETECTOR
	INTRUSION DETECTION DEVICES		GLASS BREAK DISCRIMINATOR
	MAGNETIC CONTACT SWITCH--PEDESTRIAN DOOR		MAGNETIC CONTACT SWITCH--VEHICLE DOOR
	KEYPAD		COMBINATION DETECTOR (MICROWAVE/PASSIVE INFRARED)
	DIGITAL CARD READER		ELECTRIFIED DOOR HINGE
	ELECTRIFIED LOCK SET		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
	CIRCUIT BREAKER, NORMALLY OPEN		CONTACT, NORMALLY CLOSED
	CONTACT, NORMALLY CLOSED		CONTACT, NORMALLY OPEN
	CONTACT, NORMALLY CLOSED, TIME DELAY CLOSING ON 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		PRESSURE ACTUATED SWITCH, NORMALLY CLOSED
	FLOW ACTUATED SWITCH, NORMALLY CLOSED		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
	TIMER SWITCH		THERMAL OVERLOAD
	FUSE		RESISTOR
	VARIABLE RESISTOR		TRANSFORMER WINDING
	GROUNDING ELECTRODE		ENCLOSURE BOND
	PILOT LIGHT (A=AMBER, G=GREEN, R=RED)		INDICATING LIGHT (A=AMBER, G=GREEN, R=RED)
	GENERATOR		MOTOR
	FAN MOTOR		

Dist	COUNTY	ROUTE	POST MILES-TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

LICENSED ARCHITECT
Donald E. Aisey
 No. C-26676
 07-31-23
 RENEWAL DATE
 STATE OF CALIFORNIA

PLANS APPROVAL DATE: 12-08-20
 DATE: 12-08-20

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PROJECT NOTES

- Separate grounded (neutral) conductor must be used for each 120-volt circuit.
- Home runs to panelboards must be installed as shown on the plans. Home runs must not be combined.
- A single insulated equipment grounding conductor, sized as required, must be installed in each conduit run with voltage greater than 50 V.
- Refer to Standard Plans ES-1A, ES-1B and ES-1C for additional symbols and legends.

EXISTING WORK

SYMBOL	DESCRIPTION
	EXISTING FLUORESCENT FIXTURE-TO REMAIN
	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
	EXISTING CONDUIT AND CONDUCTORS-REMOVE
	EXISTING SWITCH-TO REMAIN
	EXISTING SWITCH-REMOVE
	EXISTING JUNCTION BOX-TO REMAIN
	EXISTING JUNCTION BOX-REMOVE
	EXISTING PULL BOX

STANDARD DRAWING

FILE NO.	DESIGN	CHECKED	APPROVED
	BY Donald Aisey	Robert Trowis	<i>Robert Trowis</i>
DRAWING DATE	DETAILS BY Robertino Quidin	CHECKED Robert Trowis	DESIGN SUPERVISOR
DATE	02-20	SUBMITTED BY	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

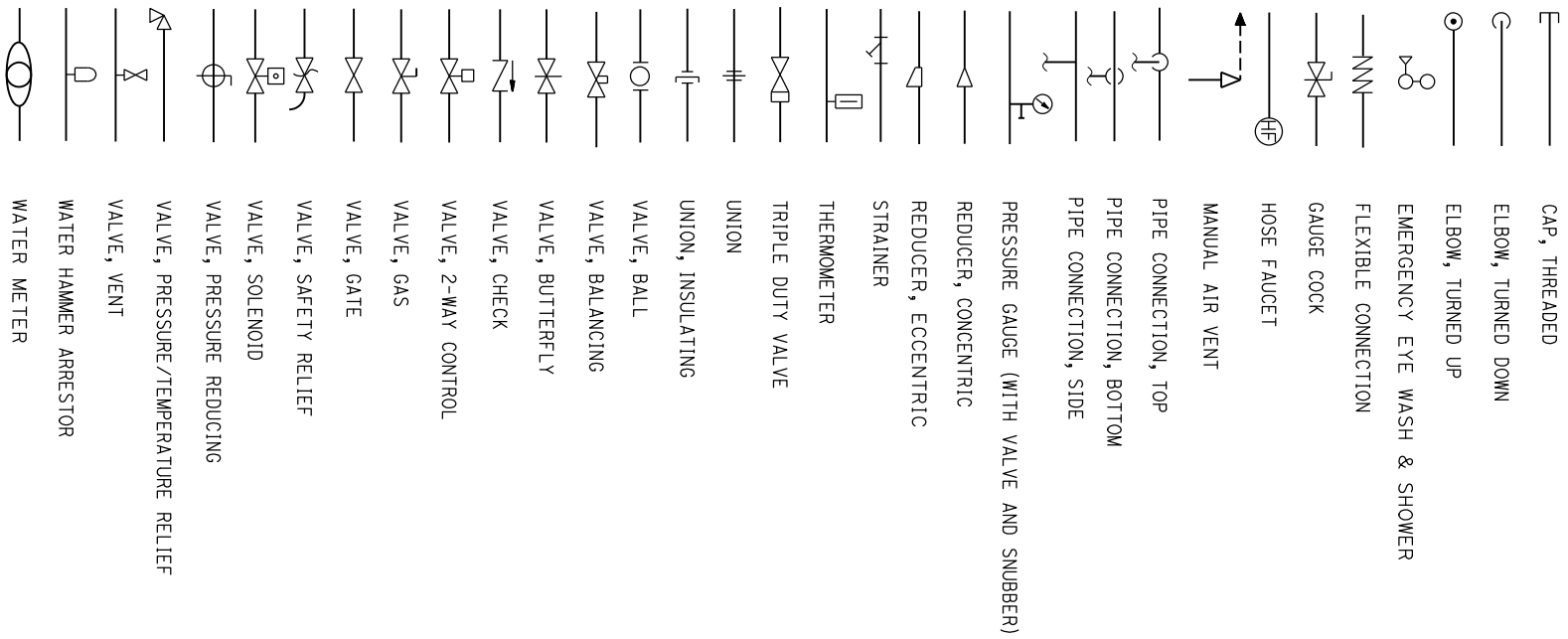
ORIGINAL SCALE IN INCHES: 0 1 2 3

FOR REDUCED PLANS

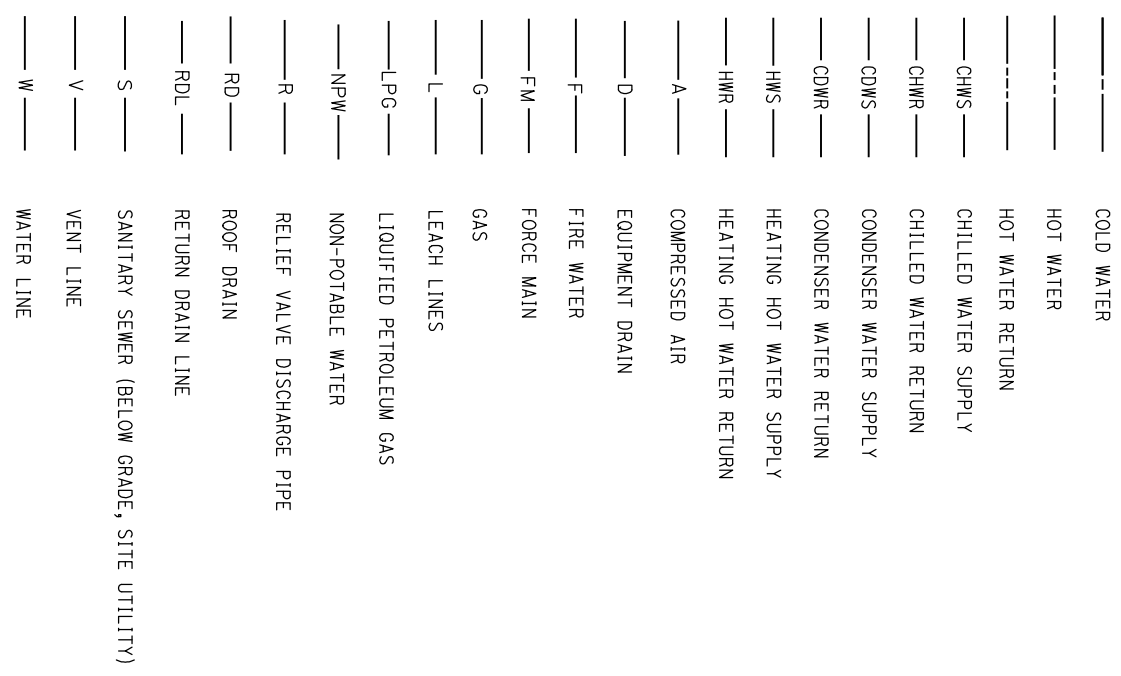
DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	SAVAGE CREEK INTAKE UPGRADE	SHEET
UNIT: 3616 CONTRACT NO.: 01-0J3604 PROJECT NUMBER & PHASE: 0190000121	04R001L POST MILE R103.39/ R103.67	SYMBOLS	BUILDING SYMBOLS 2 OF 3
DISSEMINATION PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	REVISION SHEET
		02-20-21	02-21-21
			V1

29-APR-2022 15:59

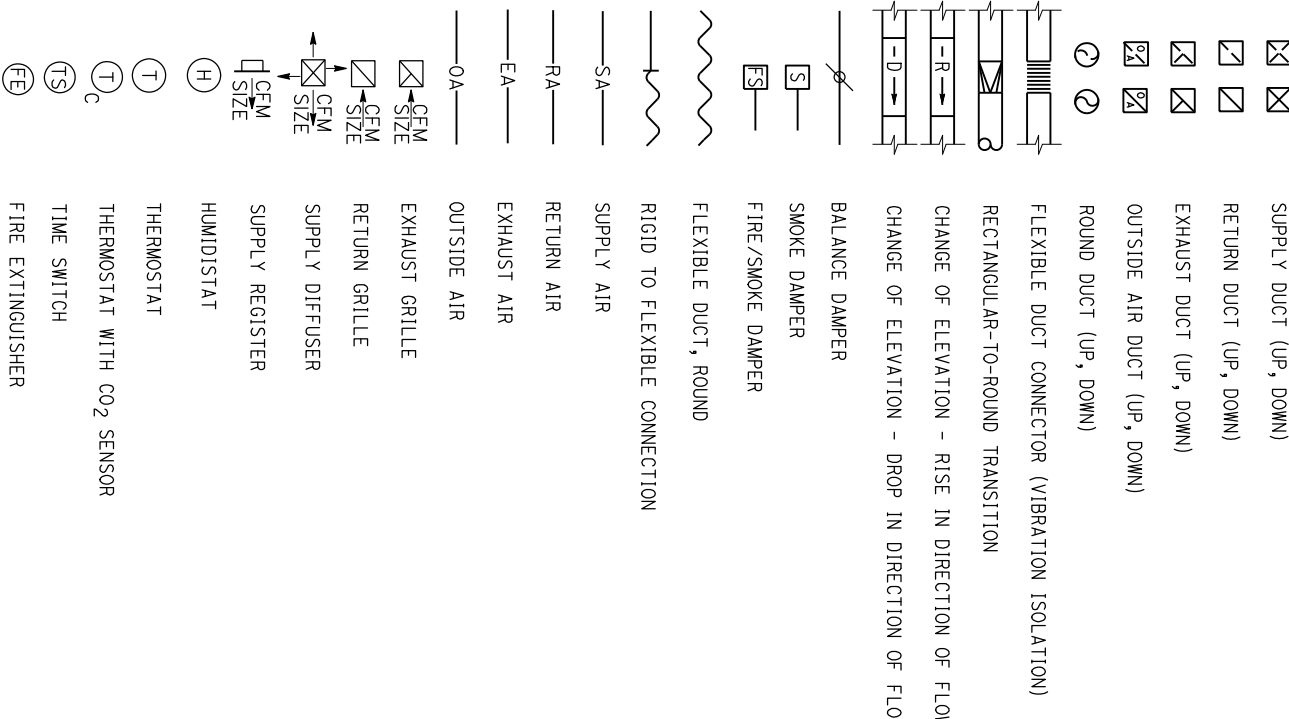
PIPE FITTING AND VALVE SYMBOLS



PLUMBING PIPING SYMBOLS



HVAC AND DUCTWORK SYMBOLS



STANDARD DRAWING

FILE NO.	DESIGN BY	CHECKED BY	APPROVED
DRAWING DATE	DETAILS BY	CHECKED BY	DESIGN SUPERVISOR
06-16	Robertino Quidin	Robert TrAVIS	<i>Robert TrAVIS</i>
	SUBMITTED BY		

ORIGINAL SCALE IN INCHES	FOR REDUCED PLANS
0	1

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	04R0011	POST MILE	R103.397
SYMBOLS		REVISION DATES (PRELIMINARY STAGE ONLY)	
BUILDING SYMBOLS	3 OF 3	REVISION DATES (PRELIMINARY STAGE ONLY)	
SHEET	G1-3C	VERSION SHEET	OF

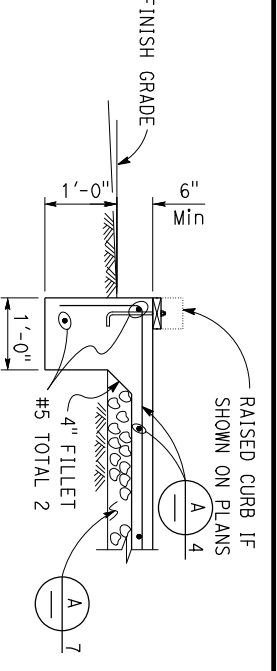
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

Licensed Architect: *Donald E. Alsey* 12-08-20
 License No.: C-26676
 State of California Seal

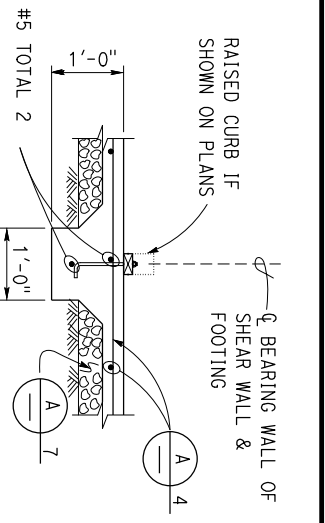
PLANS APPROVAL DATE: 07-31-23
 Renewal Date: 07-31-26

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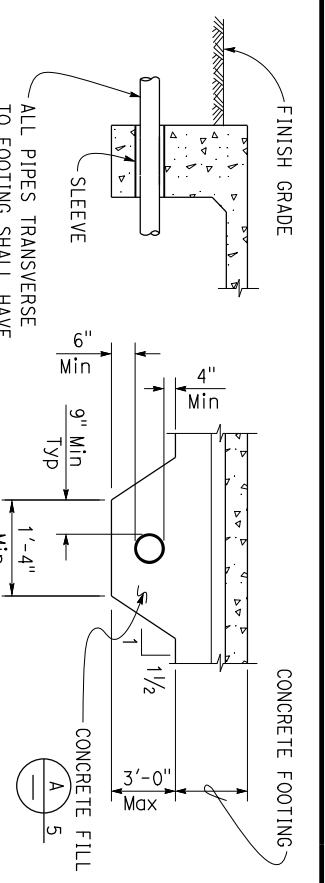
Dist	COUNTY	ROUTE	POST MILES	TOTAL SHEETS
01	Hum	101	R103.0/R103.67	
REGISTERED CIVIL ENGINEER		DATE		
C. N. BODROT		11-11-21		
No. 46493		REGISTERED PROFESSIONAL ENGINEER		
EX. 6-30-23		STATE OF CALIFORNIA		
PLANS APPROVAL DATE				
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.				



1 EXTERIOR FOOTING
NO SCALE



5 INTERIOR FOOTING
NO SCALE

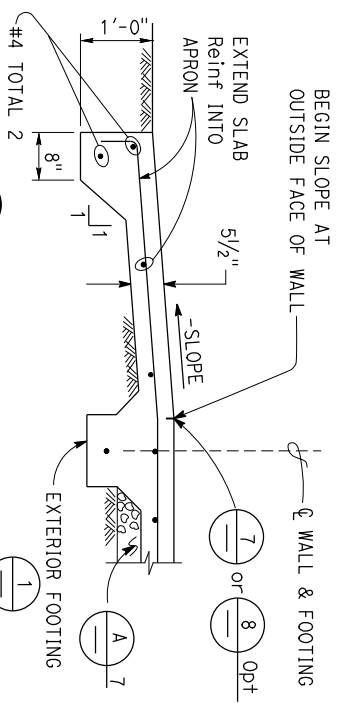


9 PIPE DETAILS THROUGH FOOTING
NO SCALE

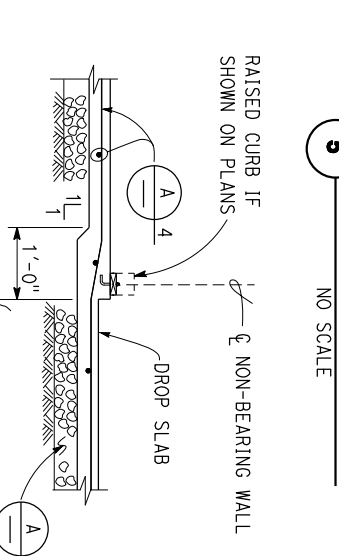
A CONCRETE NOTES

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

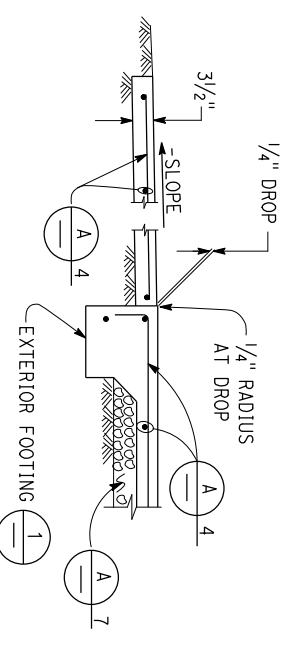
a. Concrete cast against and permanently exposed to earth	Minimum Cover	3"
b. Concrete exposed to earth or weather but cast in forms:		
#6 thru #18 bars		2"
#5 bar and smaller, W31 or D31 Wire, and smaller		1/2"
c. Concrete not exposed to weather or in contact with ground:		
Slabs, Walls and Joists:		
#14 and #18 Bar		1 1/2"
#11 Bar and smaller		3/4"
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.
3. Continuous Bars in spandrels, Wall Beams, etc. shall lap Top Bars at center of span and Bottom Bars at supports.
4. 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".
5. Concrete fill is to be placed before Footing is poured. Make the same width as the Footing and the full width of the Pipe trench. Concrete fill not required for pipes less than 2" diameter for pipes more than 3'-0" below bottom of footing.
6. 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.
7. Place 4" of free draining granular material under slabs.



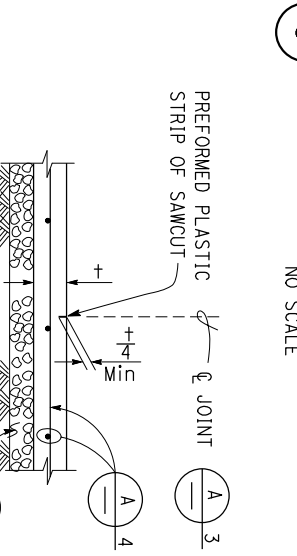
2 DRIVEWAY APRON
NO SCALE



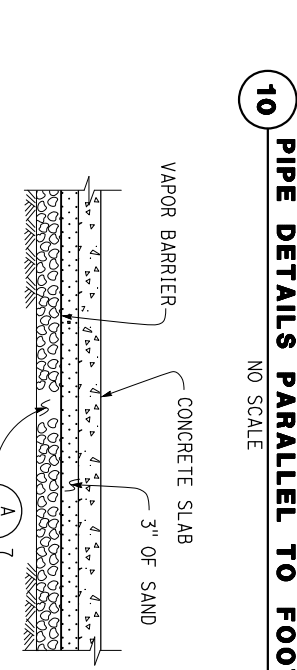
6 DROP SLAB AT NON-BEARING WALL
NO SCALE



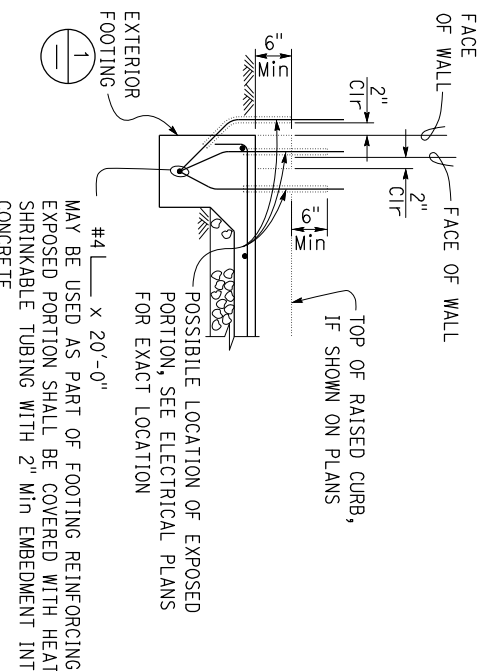
3 WALKWAY APRON
NO SCALE



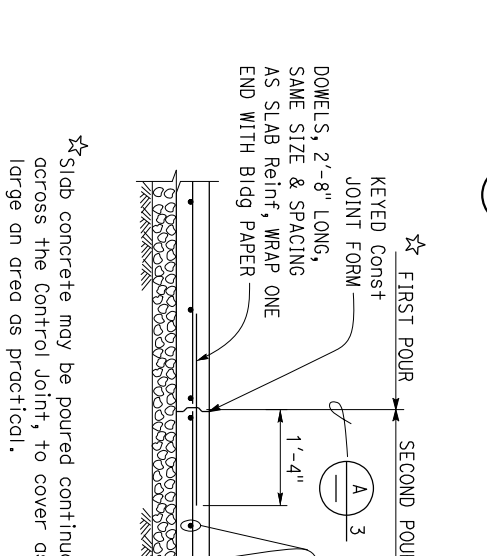
7 CONTROL JOINT
NO SCALE



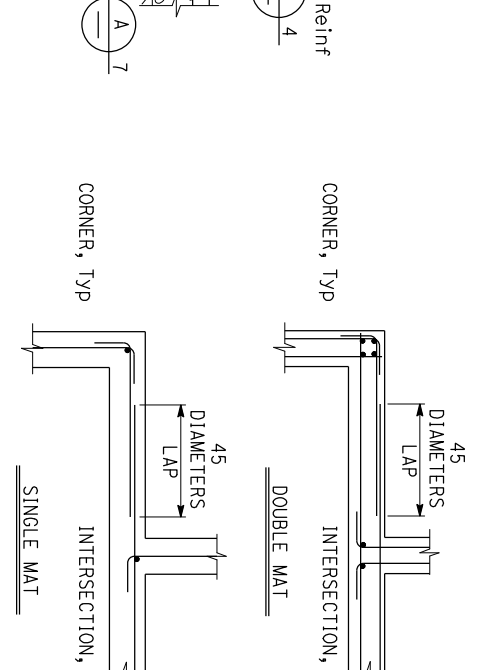
11 MOISTURE BARRIER
NO SCALE



4 GROUND BAR DETAIL
NO SCALE



8 CONTRACTION JOINT
NO SCALE



12 CORNER/INTERSECTION REINF SPLICE
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>[Signature]</i>	CHECKED BY: <i>[Signature]</i>	APPROVED BY: <i>[Signature]</i>
DRAWING DATE: 1-04	DETAILS BY: <i>[Signature]</i>	CHECKED BY: <i>[Signature]</i>	DESIGN SUPERVISOR: <i>[Signature]</i>
STANDARD DRAWING			
SUBMITTED BY: <i>[Signature]</i>			
DESIGN ENGINEER			
DESIGN SUPERVISOR			
TAMMWW Imperial - CCSC Rev. 12/20			
ORIGINAL SCALE IN INCHES		FOR REDUCED PLANS	
0 1 2 3		0 1 2 3	
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	
UNIT: 3599 CONTRACT NO.: 01-0C404		PROJECT NUMBER & PHASE: 01190000121	
BRIDGE NO.: 04R001L		SAVAGE CREEK INTAKE UPGRADE	
POST MILE			
DISREGARD PRINTS BEARING EARLIER REVISION DATES		CONCRETE STANDARD	
REVISION DATES (PRELIMINARY STAGE ONLY)		STO-1	
REVISION DATES (FINAL)		SHEET NO. OF	
1-18-01 1-18-01 1-18-01		V1	

PROJECT DESIGN CRITERIA

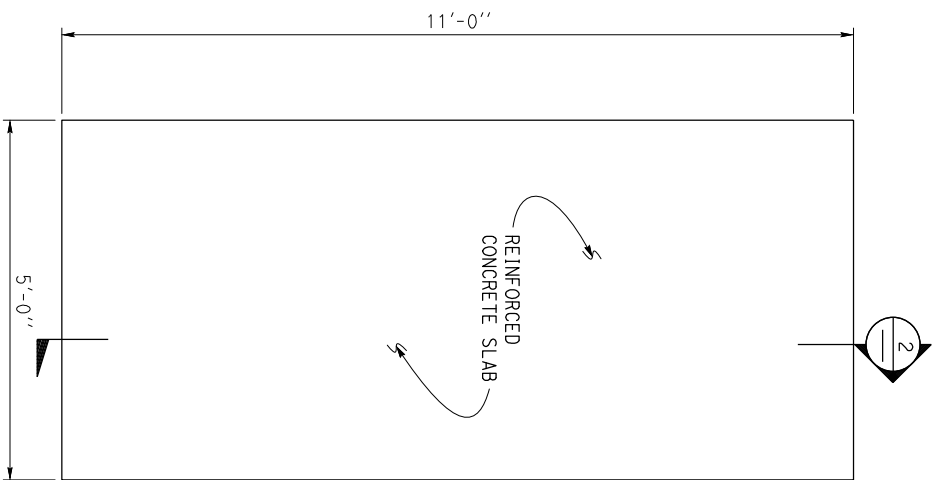
The building work on this project has been designed to conform to the 2019 California Building Code

REINFORCED CONCRETE:

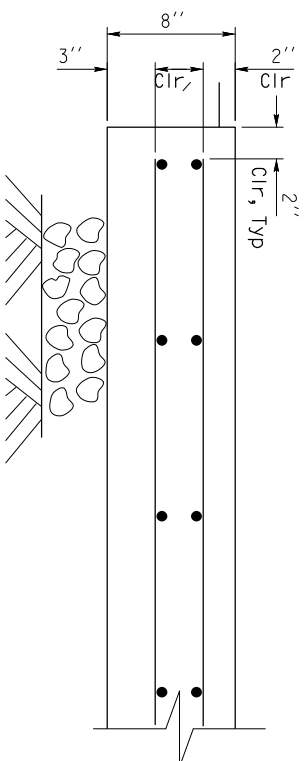
Ultimate Strength Design:

$f'_c = 3,600 \text{ psi}$

$f_y = 60,000 \text{ psi}$

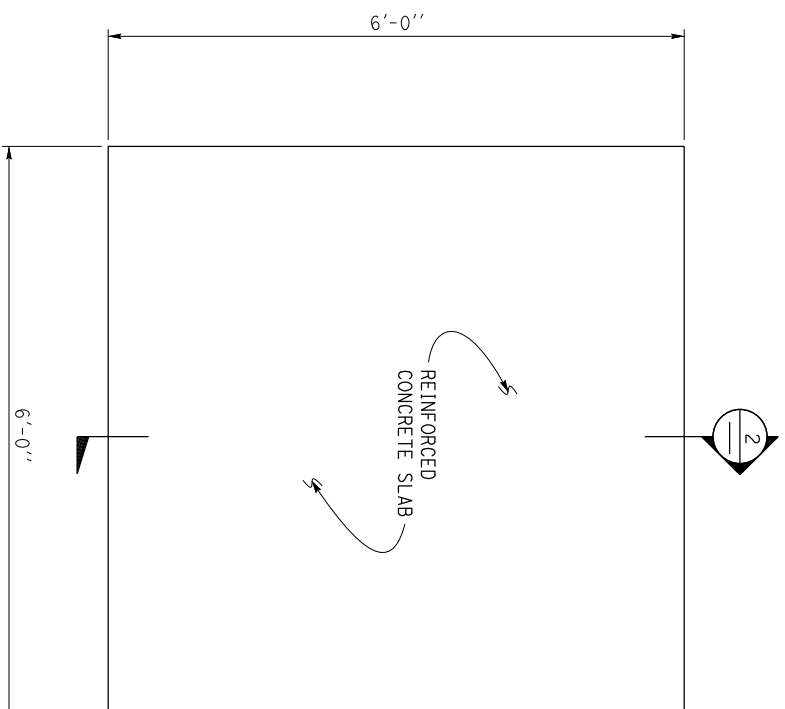


1 BACK WASHING PUMP PAD
1" = 1'-0"

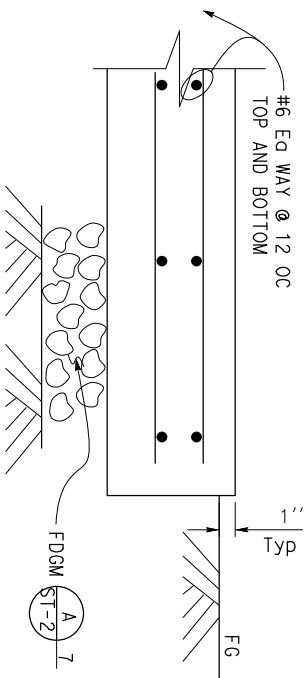


NOTE:
FDGM - 4" free draining granular material.

2 SECTION
2" = 1'-0"



3 WELL SUMP PAD
1" = 1'-0"



DESIGN	BY	Chandra Bopdt	CHECKED	Segn Samuel
DETAILS	BY	Aleksey Serin	CHECKED	Chandra Bopdt
QUANTITIES	BY		CHECKED	

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 04R001L
POST MILE

SAVAGE CREEK INTAKE UPGRADE
SLAB PLANS AND SECTION

SHEET ST-1-1 OF

UNIT: 3599 CONTRACT NO.: 01-0C4404
PROJECT NUMBER & PHASE: 01190000121

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY):
09/27/10-20/21 V1

Dist	COUNTY	ROUTE	POST MILES	SHEET
01	Hum	101	TOTAL PROJECT	NO.
			R103.0/R103.67	TOTAL SHEETS

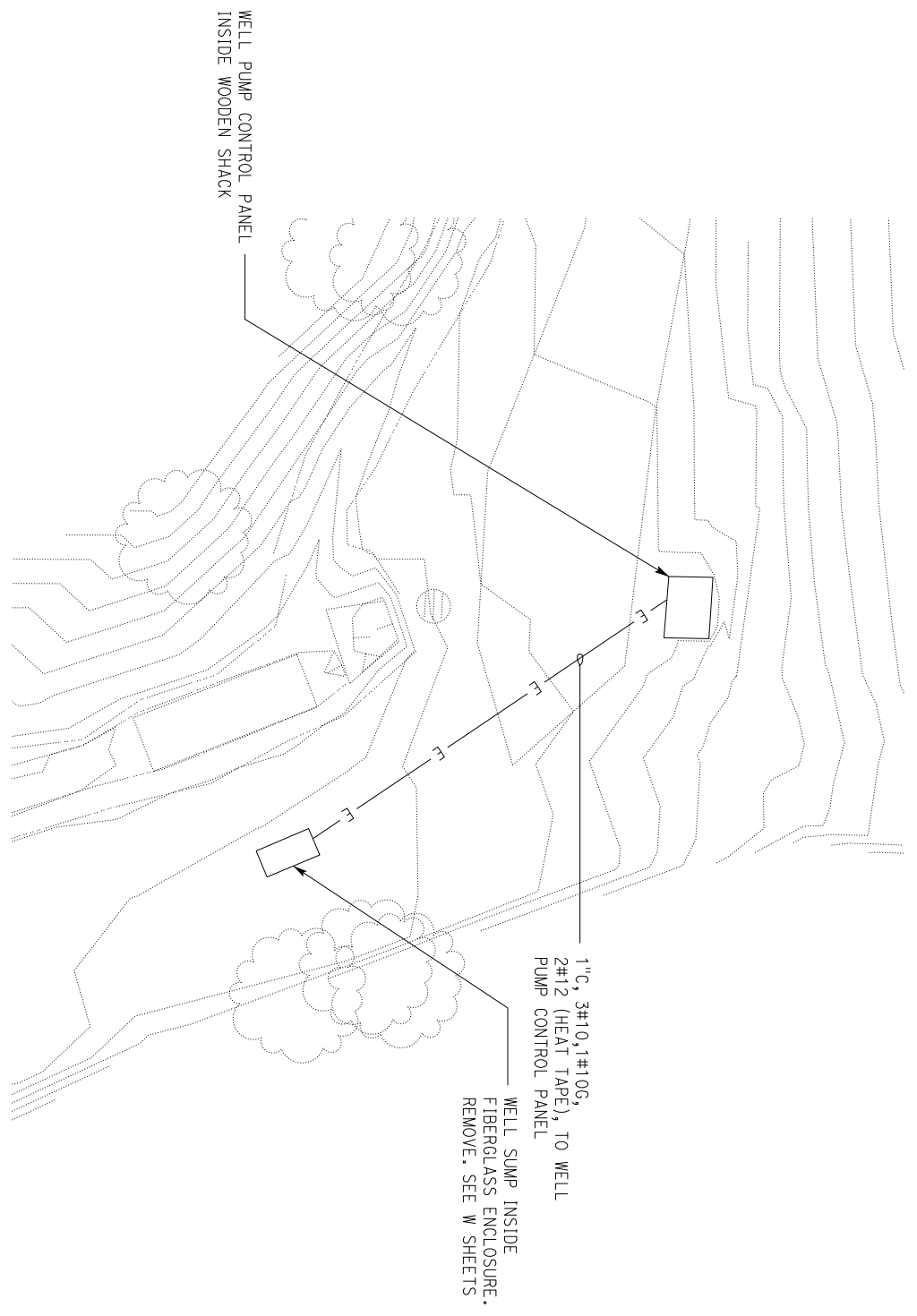
REGISTERED CIVIL ENGINEER
M. Mohal
DATE: 11-11-21

REGISTERED CIVIL ENGINEER
C. N. BOPDT
No. 46493
Exp. 6-30-23
CIVIL
STATE OF CALIFORNIA

PLANS APPROVAL DATE: _____

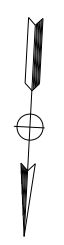
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

- GENERAL NOTES:
- A. Not all existing electrical systems/components are shown.
 - B. Location of existing equipment/conduit systems as shown are approximate only. Field verify exact locations prior to work.



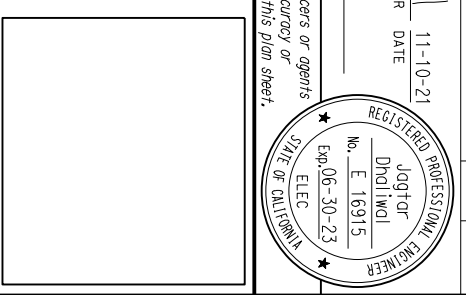
PARTIAL EXISTING SITE PLAN

1" = 10'-0"



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/103.67		

Registered Electrical Engineer
 JAGTOR DHOIWIJAL
 No. E 16915
 11-10-21
 REGISTERED ELECTRICAL ENGINEER DATE
 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.

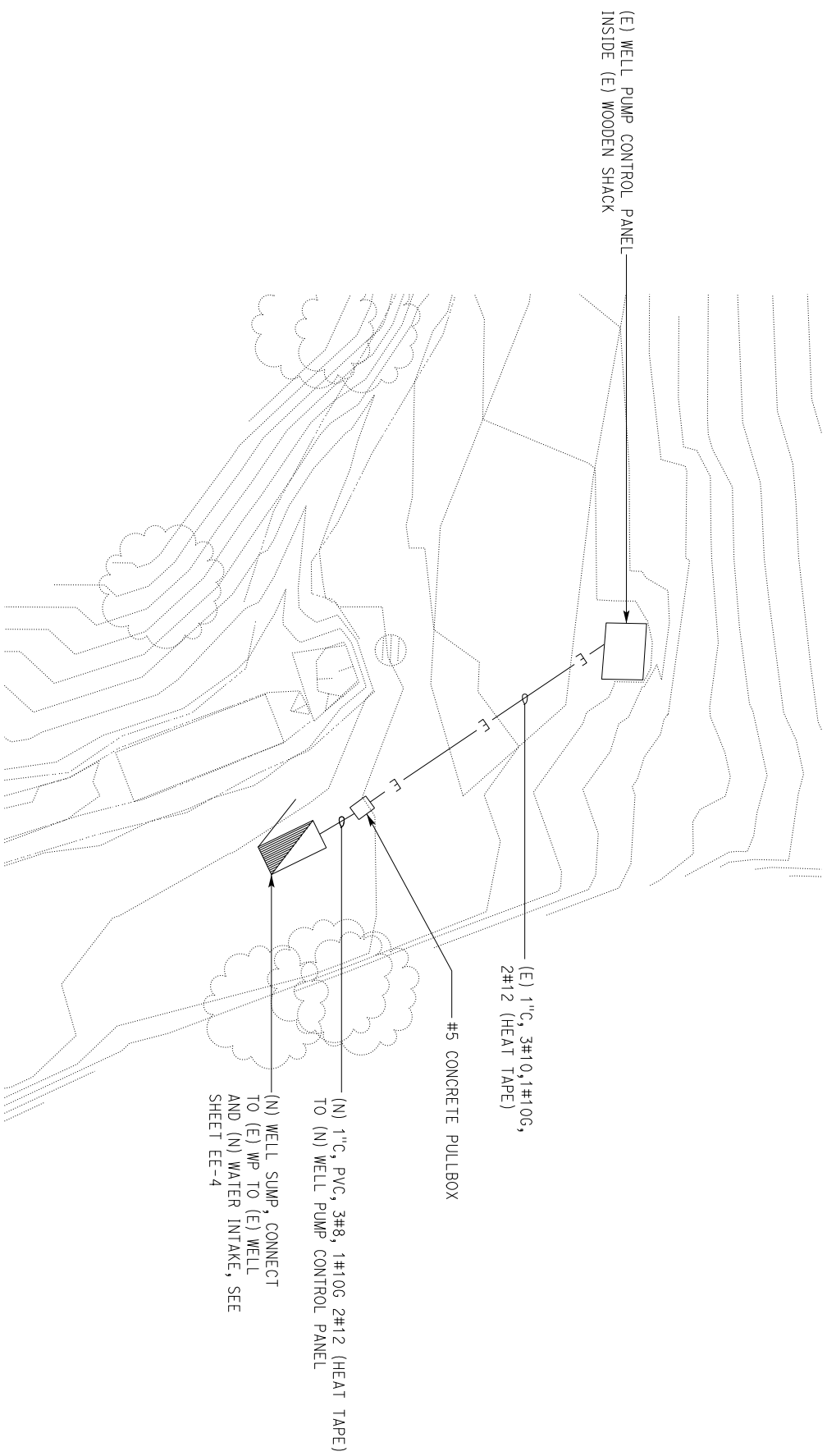


DESIGN SUPERVISOR <i>Jagtor Dhoiwiwal</i>		DESIGN BY Rondall Blankenship	CHECKED BY Jagtor Dhoiwiwal	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 04R001L	TRINIDAD AREA UPGRADE REST AREA SAFETY ROADSIDE EXISTING SITE PLAN	SHEET EE-1
DESIGN ENGINEER <i>Jagtor Dhoiwiwal</i>		BY Yowen Sun	CHECKED BY Rondall Blankenship		POST MILE R102.9		SAVAGE CREEK
DESIGN ENGINEER <i>Jagtor Dhoiwiwal</i>		BY Rondall Blankenship	CHECKED BY Jagtor Dhoiwiwal	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 3596 CONTRACT NO.: 01-0C4404 PROJECT NUMBER & PHASE: 01190000121	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 12/11/08 2/10/09 2/11/11 4/21/11

TAMMW Imperial - CESC Rev. 12/20

P:\dists_01\01190000121_savage Creek Intrae\elec\100_pct submittal\EE00_01.dgn

- GENERAL NOTES:
- A. Not all existing electrical systems/components are shown.
 - B. Location of existing equipment/conduit systems as shown are approximate only. Field verify exact locations prior to work.



PARTIAL MODIFIED SITE PLAN

1" = 10'-0"



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/103.67		

Registered Electrical Engineer
Jagtar Dhaliwal
 No. E 16915
 Exp. 06-30-23
 STATE OF CALIFORNIA

PLANS APPROVAL DATE: 11-10-21
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DESIGN	BY	CHECKED
DETAILS	Randall Blankenship	Jagtar Dhaliwal
QUANTITIES	Randall Blankenship	Jagtar Dhaliwal

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER
 WASTEWATER DESIGN

BRIDGE NO.
 04R001L
 POST MILE
 R102.9

TRINIDAD AREA UPGRADE
 SAFETY ROADSIDE REST AREA UPGRADE
 MODIFIED SITE PLAN

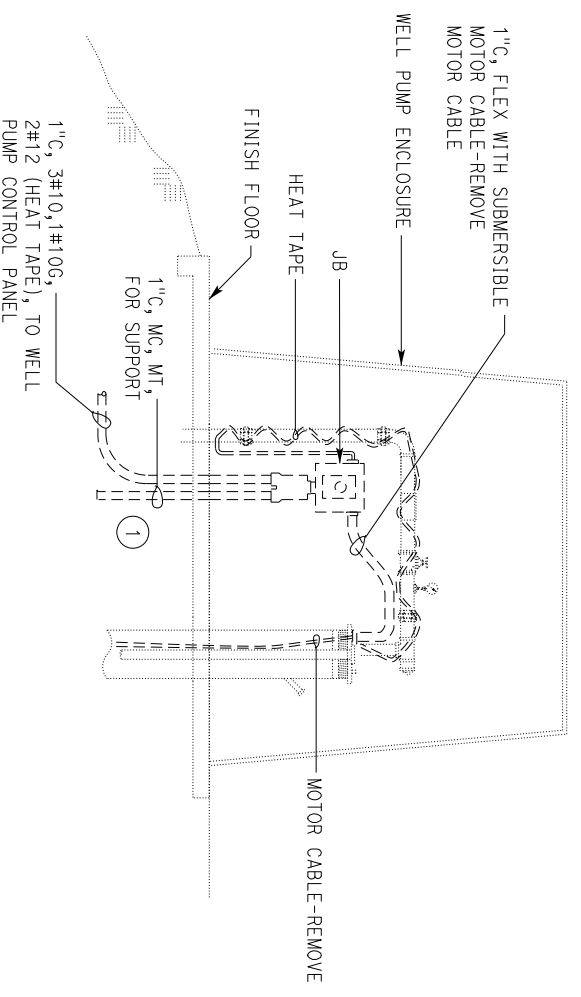
SHEET
EE-2
 OF

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/103.67		

Jagtar Dholiwal
 REGISTERED ELECTRICAL ENGINEER
 DATE 11-10-21
 No. E 16915
 STATE OF CALIFORNIA

PLANS APPROVAL DATE _____
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- NOTE:
- Remove the conductors from the motor and splice new conductors. Cut the conduit above finish floor.



EXISTING WELL PUMP PLANTLE TEXT

NO SCALE

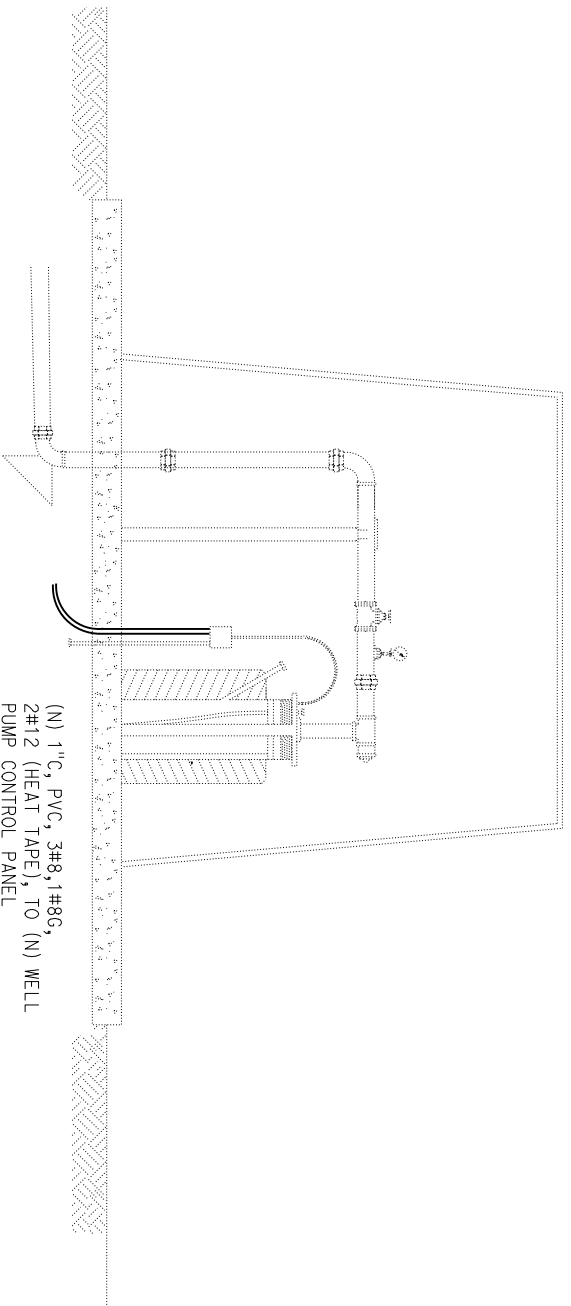
DESIGN	BY	CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO.	SAFETY	TRINIDAD AREA UPGRADE	SHEET
DETAILS	BY	CHECKED	CALIFORNIA DEPARTMENT OF TRANSPORTATION	04R001L	ROADSIDE REST	EXISTING WELL PUMP	EE-3
QUANTITIES	BY	CHECKED		R102.9	SAVAGE CREEK		
	Randall Blankenship	Jagtar Dholiwal					
	Yowen Sun	Randall Blankenship					
	Randall Blankenship	Jagtar Dholiwal					
ORIGINAL SCALE IN INCHES				DISREGARD PRINTS BEARING	REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION SHEET	OF
FOR REDUCED PLANS			0	EARLIER REVISION DATES	12/11/10, 1/10/11, 2/21/11, 4/4/11	V1	06

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/103.67		

Registered Electrical Engineer
Jagtar Dhaliwal
 No. E 16915
 Exp. 06-30-23
 STATE OF CALIFORNIA
 REGISTERED PROFESSIONAL ENGINEER

PLANS APPROVAL DATE: 11-10-21
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- GENERAL NOTES:
- A. Not all existing electrical systems/components are shown.
 - B. Location of existing equipment/conduit systems as shown are approximate only. Field verify exact locations prior to work.



ELEVATION
NO SCALE

DESIGN	BY	CHECKED
DETAILS	Randall Blankenship	Jagtar Dhaliwal
QUANTITIES	Yowen Sun	Randall Blankenship
	Randall Blankenship	Jagtar Dhaliwal

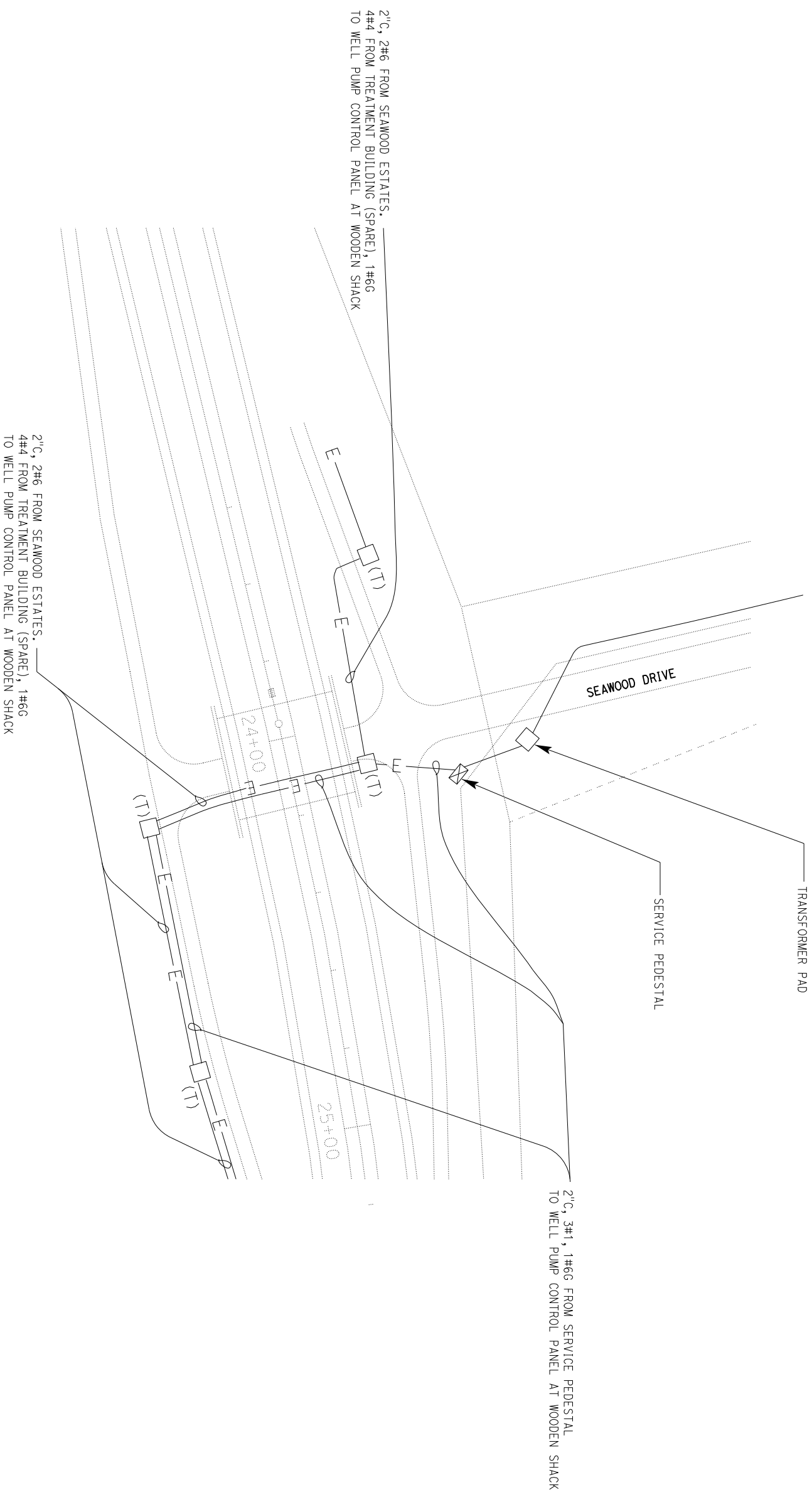
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

UNIT: 3596 CONTRACT NO.: 01-0C4404
 PROJECT NUMBER & PHASE: 01190000121

BRIDGE NO.	04R001L	SAFETY CRACK	TRINIDAD AREA UPGRADE	SHEET
POST MILE	R102.9	SAVAGE CREEK	MODIFIED WELL PUMP	EE-4
DISREGARD PRINTS BEARING EARLIER REVISION DATES				OF
REVISION DATES (PRELIMINARY STAGE ONLY)	12/1/10, 2/2/11, 4/21/11			V1

GENERAL NOTES:

- A. Not all existing electrical systems/components are shown.
- B. Location of existing equipment/conduit systems as shown are approximate only. Field verify exact locations prior to work.



PARTIAL SITE PLAN
1" = 30'-0"

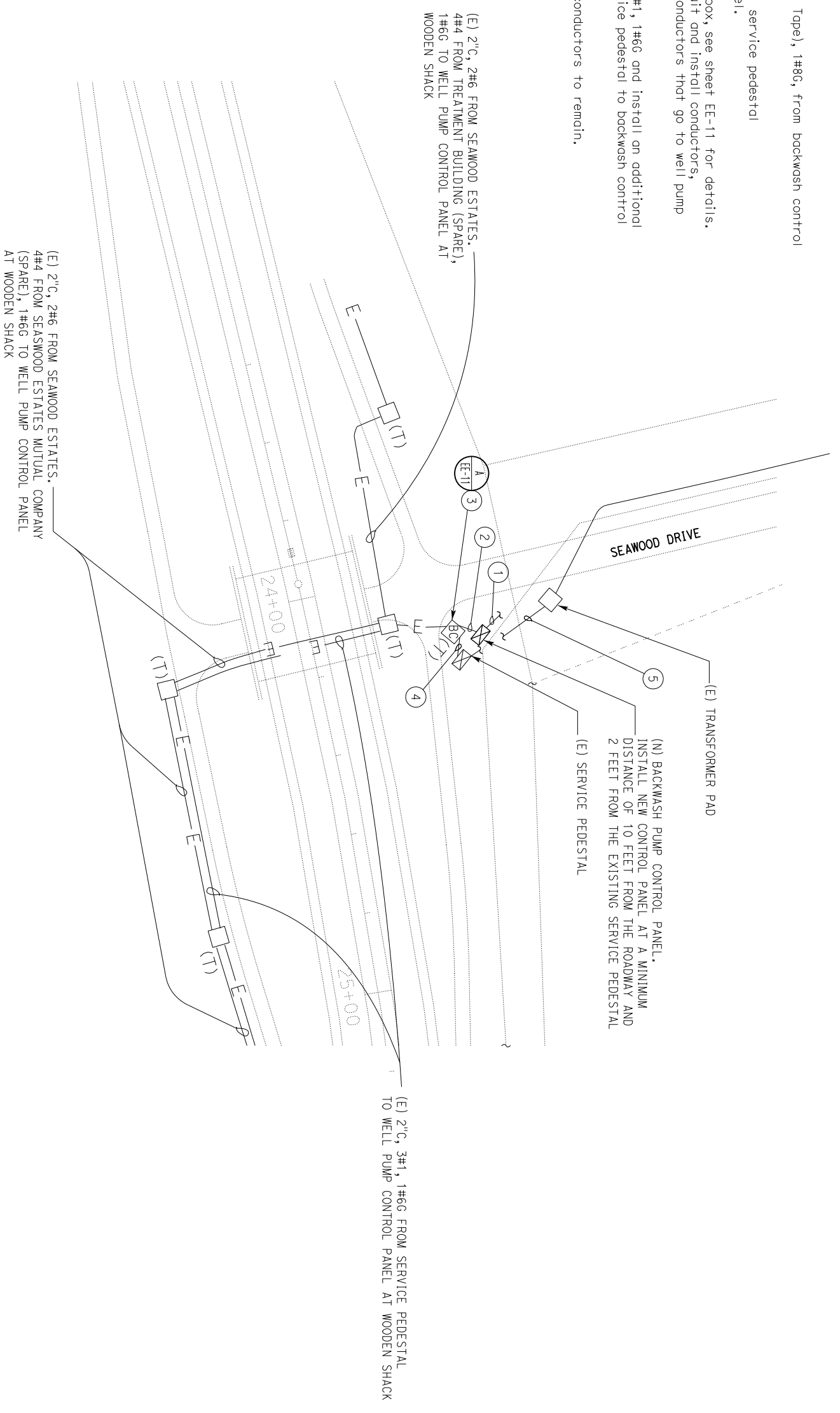
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/103.67		

REGISTERED ELECTRICAL ENGINEER	DATE 11-10-21
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.	

DESIGN BY Rondali Blankenship DETAILS BY Yowen Sun QUANTITIES BY Rondali Blankenship		CHECKED BY Jagtar Dhaliwal CHECKED BY Rondali Blankenship CHECKED BY Jagtar Dhaliwal	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 04R001L POST MILE R102.9	SAFETY CREEK SAVINGE CREEK	TRINIDAD REST AREA UPGRADE EXISTING PARTIAL SITE PLAN	SHEET EE-5 OF 06
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT: 3596 CONTRACT NO.: 01-0C4404 PROJECT NUMBER & PHASE: 01190000121	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) V1	REVISION DATES (PRELIMINARY STAGE ONLY) V1	REVISION DATES (PRELIMINARY STAGE ONLY) V1	REVISION DATES (PRELIMINARY STAGE ONLY) V1	REVISION DATES (PRELIMINARY STAGE ONLY) V1

- GENERAL NOTES:
- Not all existing electrical systems/components are shown.
 - Location of existing equipment/conduit systems as shown are approximate only. Field verify exact locations prior to work.

- NOTES:
- 1" C, PVC, 3#8, 2#12 (Heat Tape), 1#8G, from backwash control panel to backwash pump.
 - 2" C, PVC, 3#1, 1#6G, from service pedestal to backwash control panel.
 - No. 5 Traffic rated pullbox, see sheet EE-11 for details. Intercept existing conduit and install conductors, per sheet EE-8. Splice conductors that go to well pump control panel.
 - Intercept (E) 2" C, PVC, 3#1, 1#6G and install an additional 3#1, 1#6G from the service pedestal to backwash control panel, per sheet EE-8.
 - (E) utility conduit and conductors to remain.



PARTIAL SITE PLAN

1" = 30'-0"

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/103.67		

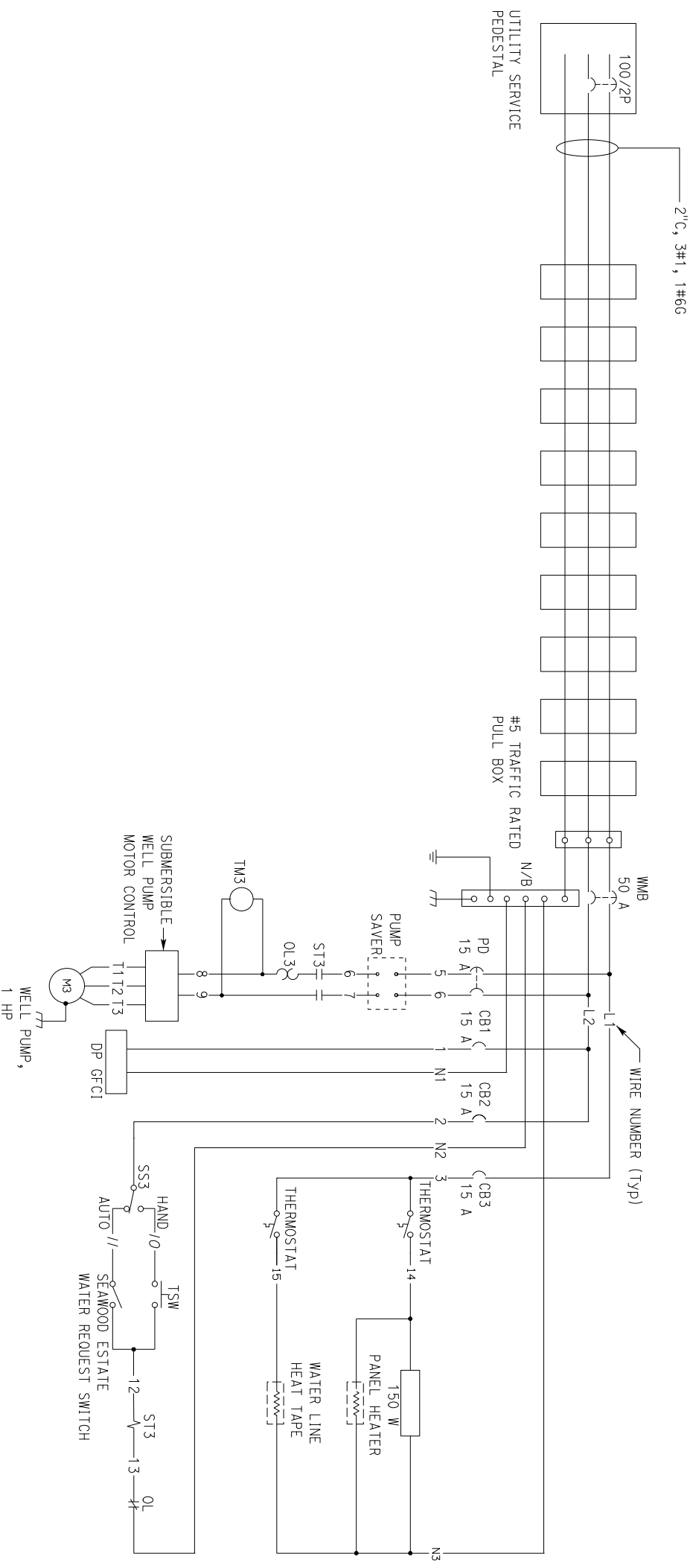
REGISTERED ELECTRICAL ENGINEER	DATE 11-10-21
PLANS APPROVAL DATE _____	
<i>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.</i>	

DESIGN BY: Rondall Blankenship DETAILS BY: Yawen Sun QUANTITIES BY: Rondall Blankenship		CHECKED BY: Jagtar Dhaliwal CHECKED BY: Rondall Blankenship CHECKED BY: Jagtar Dhaliwal	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 04R001L POST MILE R102.9	SAFETY CREEK SAVING CREEK	TRINIDAD AREA UPGRADE REST MODIFIED PARTIAL SITE PLAN	SHEET EE-6 OF
ORIGINAL SCALE IN INCHES 0 1 2 3 FOR REDUCED PLANS		UNIT: 3596 CONTRACT No.: 01-0C4404 PROJECT NUMBER & PHASE: 01190000121	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) V1	REVISION DATES (PRELIMINARY STAGE ONLY) V1	REVISION DATES (PRELIMINARY STAGE ONLY) V1	REVISION DATES (PRELIMINARY STAGE ONLY) V1	REVISION DATES (PRELIMINARY STAGE ONLY) V1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/103.67		

Registered Electrical Engineer
Jagtar Dholiwal
 No. E 16915
 Exp. 06-30-23
 STATE OF CALIFORNIA
 REGISTERED PROFESSIONAL ENGINEER

PLANS APPROVAL DATE: 11-10-21
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EXISTING WELL PUMP CONTROL PANEL SCHEMATIC

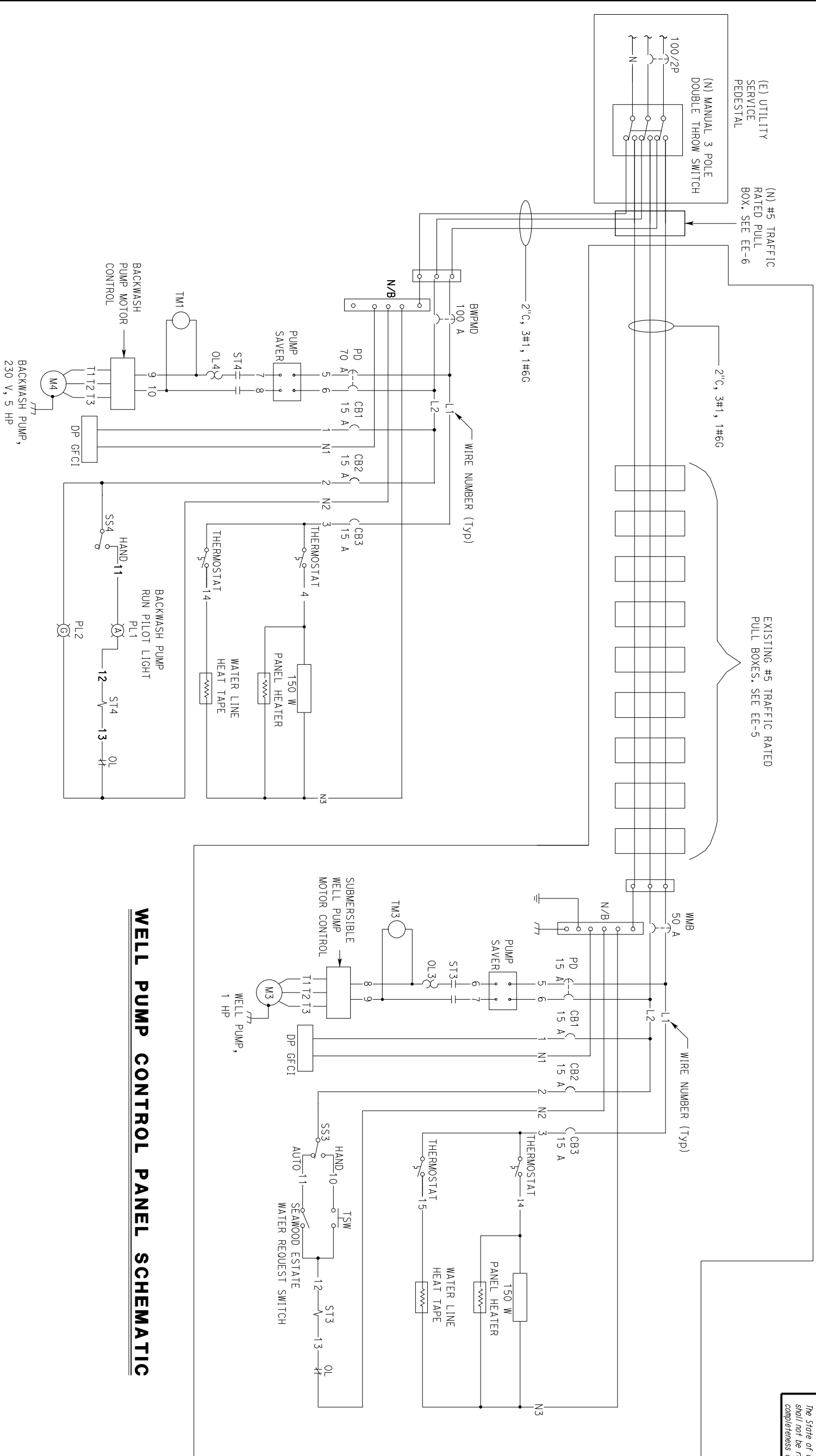
DESIGN		BY: Jagtar Dholiwal	CHECKED: Jagtar Dholiwal	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 04R001L POST MILE R102.9	SAFETY ROADSIDE REST AREA UPGRADE	SHEET EE-7	
DETAILS		BY: Yowen Sun	CHECKED: Jagtar Dholiwal						
QUANTITIES		BY: Jagtar Dholiwal	CHECKED: Jagtar Dholiwal	ORIGINAL SCALE IN INCHES		0	1	2	3

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/103.67		

Registered Professional Engineer
Jagtar Dhaliwal
 No. E 16915
 Exp. 06-30-23
 STATE OF CALIFORNIA

REGISTERED ELECTRICAL ENGINEER DATE 11-10-21
 PLANS APPROVAL DATE _____
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ELECTRICAL EQUIPMENT TO REMAIN



BACKWASH PUMP CONTROL PANEL SCHEMATIC

WELL PUMP CONTROL PANEL SCHEMATIC

DESIGN	BY Rondali Blankenship	CHECKED Jagtar Dhaliwal	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 04R001L	SAFETY	TRINIDAD REST AREA UPGRADE	SHEET EE-8
DETAILS	BY Yowen Sun	CHECKED Rondali Blankenship	DEPARTMENT OF TRANSPORTATION	ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE R102.9	SAVAGE CREEK	MODIFIED SCHEMATICS	
QUANTITIES	BY Rondali Blankenship	CHECKED Jagtar Dhaliwal	ORIGINAL SCALE IN INCHES 0 1 2 3	UNIT: 3596 CONTRACT NO.: 01-004404 PROJECT NUMBER & PHASE: 01190000121	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) V1	VERSION SHEET OF	

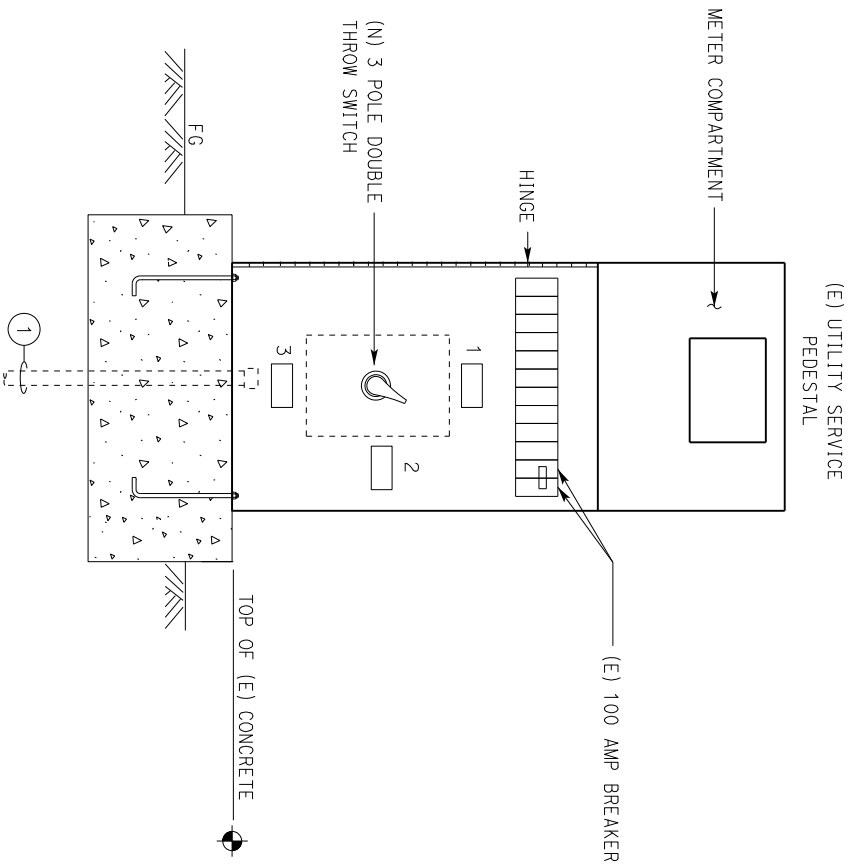
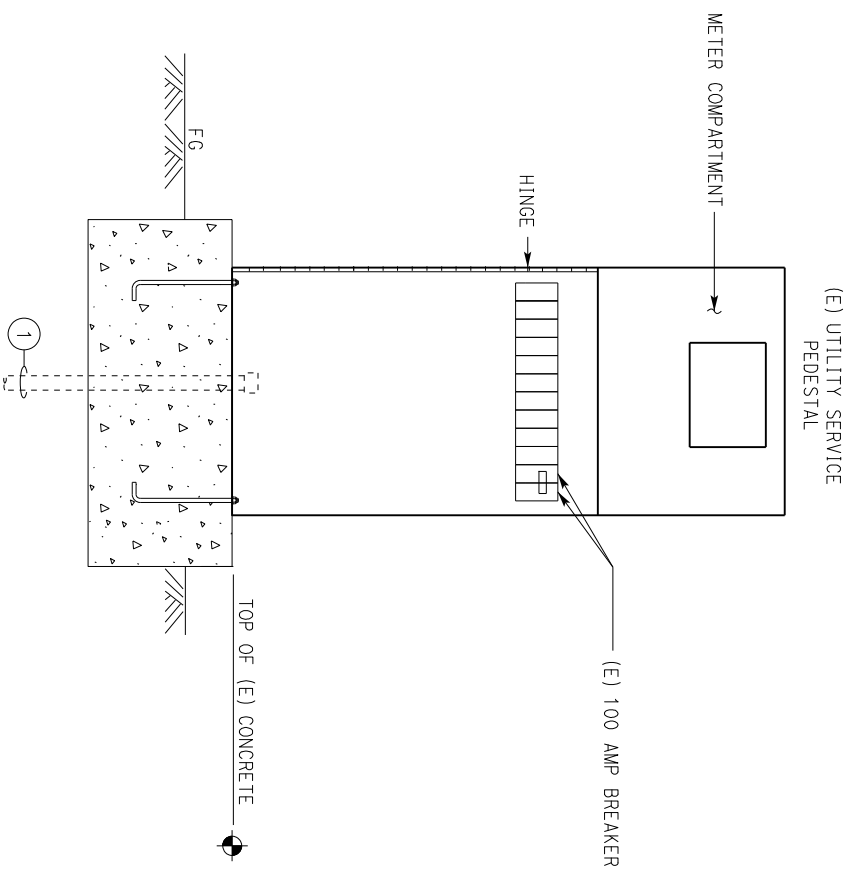
GENERAL NOTE:

- A. The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

NOTE:

- ① Intercept the existing conduit and install an additional 3#1, 1#6G that go to the backwash pump control panel.

ITEM No.	NAMEPLATE SCHEDULE	LETTER HEIGHT
1	BACKWASH PUMP "ON"	1/2"
2	BOTH PUMPS "OFF"	1/2"
3	WELL PUMP "ON"	1/2"



EXISTING SERVICE PEDESTAL ENCLOSURE

NO SCALE

(Exterior door not shown, interior doors closed)

MODIFIED SERVICE PEDESTAL ENCLOSURE

NO SCALE

(Exterior door not shown, interior doors closed)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/103.67		

Registered Electrical Engineer
Jagtar Dhaliwal
 No. E 16915
 11-10-21
 DATE

PLANS APPROVAL DATE _____
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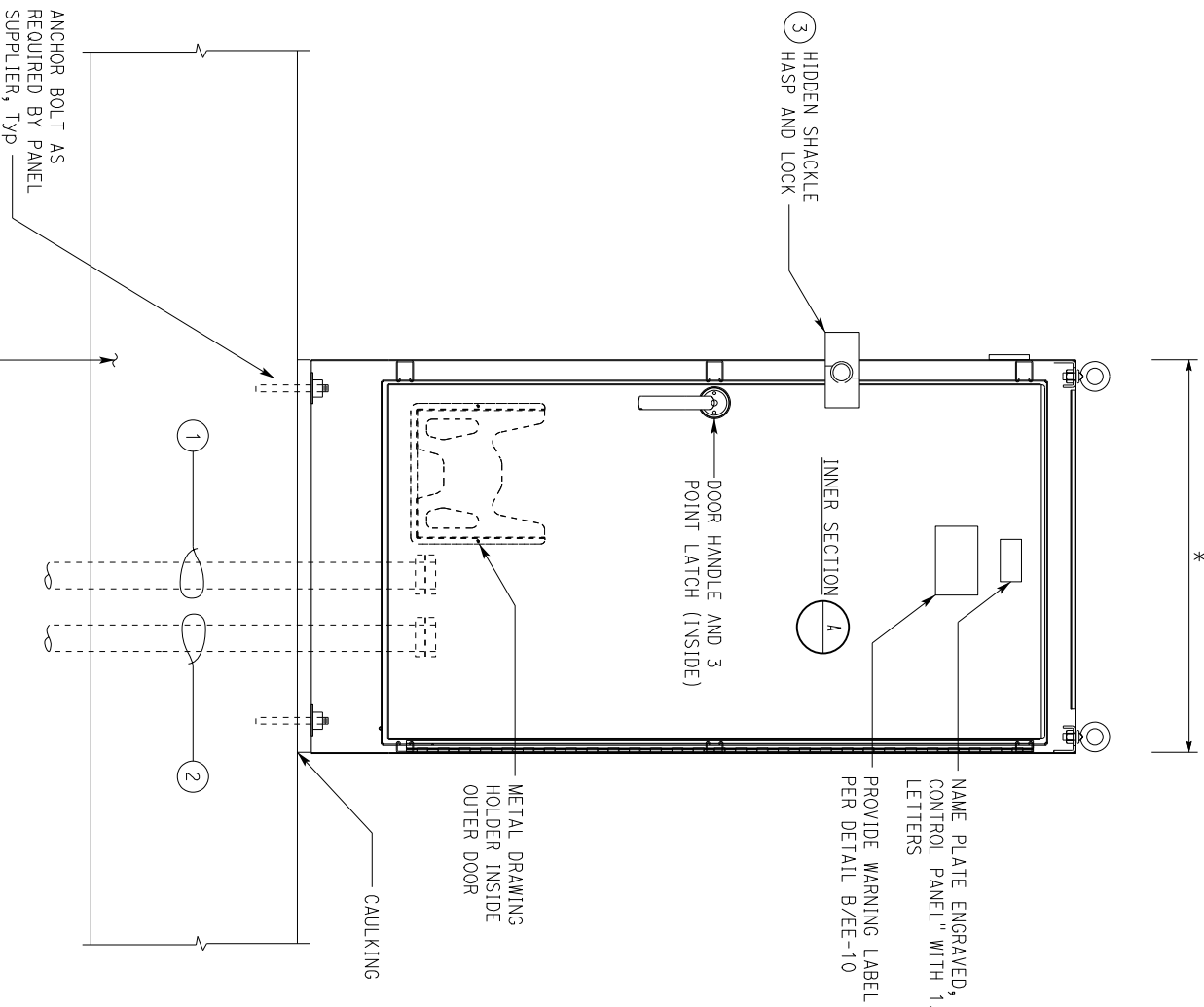
REGISTERED PROFESSIONAL ENGINEER
Jagtar Dhaliwal
 No. E 16915
 EMP. 06-30-23
 STATE OF CALIFORNIA
 ELEC

DESIGN	BY	CHECKED	DATE	BRIDGE NO.	SAFETY	TRINIDAD	SHEET
DETAILS	Randall Blankenship	Jagtar Dhaliwal		04R001L	ROADSIDE REST AREA UPGRADE	REST AREA UPGRADE	EE-9
QUANTITIES	Yowen Sun	Randall Blankenship		R102.9	WASTEWATER DESIGN	PEDESTAL ELEVATION	
	Randall Blankenship	Jagtar Dhaliwal					
ORIGINAL SCALE IN INCHES				UNIT: 3596 CONTRACT No.: 01-0C404	DISREGARD PRINTS BEARING		REVISION DATES (PRELIMINARY STAGE ONLY)
FOR REDUCED PLANS				PROJECT NUMBER & PHASE: 01190000121	EARLIER REVISION DATES		VERSION SHEET
0				1	2		3
TAMMW Imperial - CSC Rev. 12/20				P:\dist_01\0119000012_savage Creek Intake\elec\100.pct submittal\EE00_09.dgn			

NOTES:

- ① 1" C, PVC, 3#8, 2#12 (Heat Tape), 1#8G, from backwash control panel to backwash pump.
- ② 2" C, PVC, 3#1, 1#6G, from service pedestal to backwash control panel.
- ③ Panel supplier must incorporate a hidden shackle hasp lock into the outer door of the control panel. Any coatings damaged by the installation of the hidden shackle hasp must be fully repaired.

* SIZE AS REQUIRED TO FIT ALL EQUIPMENT EXCEPT NOT TALLER THAN 72" AND NOT WIDER THAN 24"

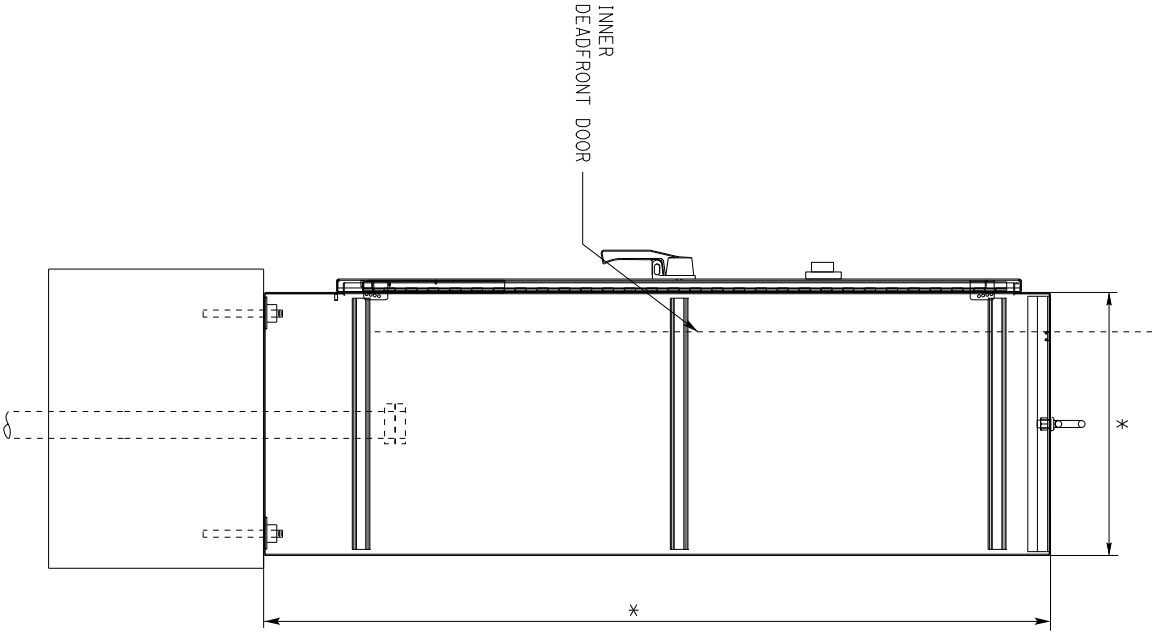


ELEVATION

NO SCALE
(PANEL HINGED DOORS NOT SHOWN)

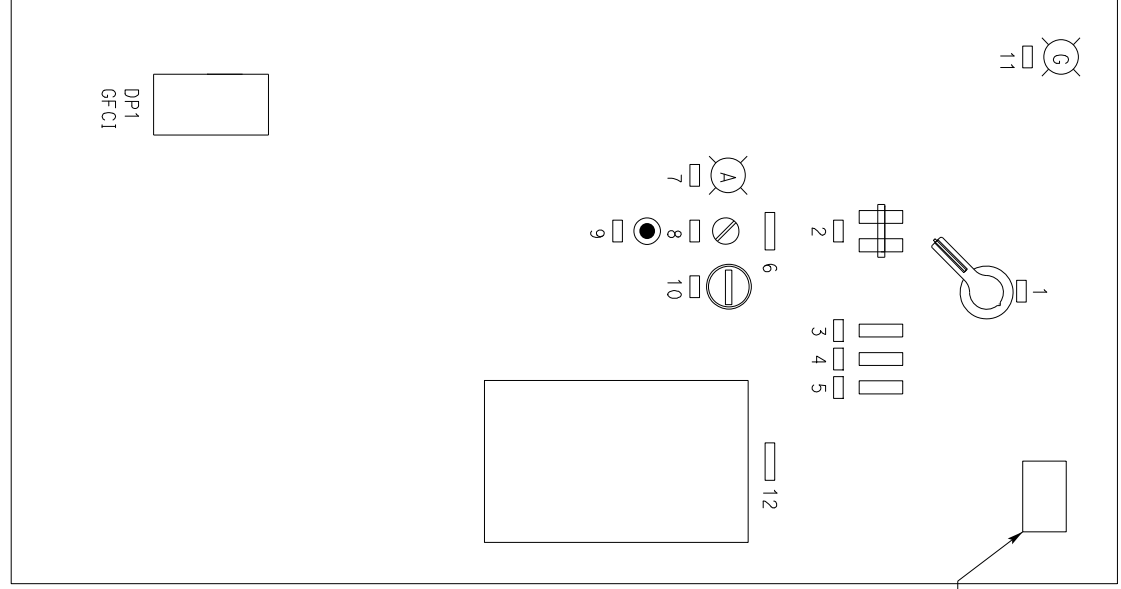
TAG No.	TYPE	INSCRIPTION	LETTER HEIGHT (Inch)
1	PLATE	MAIN BREAKER	3/8
2	PLATE	BACKWASH PUMP BREAKER	1/4
3	PLATE	RECEPTABLE GFCI BREAKER	1/4
4	PLATE	HAND/OFF SWITCH DISCONNECT	1/4
5	PLATE	THERMOSTAT DISCONNECT	1/4
6	PLATE	BACKWASH PUMP	1/4
7	PLATE	PUMP RUNNING	1/4
8	PLATE	HAND/OFF SELECTOR SWITCH	1/4
9	PLATE	OVERLOAD RELAY	1/4
10	PLATE	TIMER	1/4
11	PLATE	POWER ON	1/4

TAG No.	TYPE	INSCRIPTION	LETTER HEIGHT (Inch)
12	PLATE	INSTRUCTIONS TO TURN "ON" AND "OFF" BACKWASH PUMP: STEP 1: AT SERVICE PEDESTAL, TURN TRANSFER SWITCH TO BACKWASH PUMP "ON". STEP 2: REDIRECT VALVES TOWARDS REGION IN WATER INTAKE TO BACKWASH. STEP 3: IN THIS CONTROL PANEL, TURN SELECTOR SWITCH TO "ON" FOR BACKWASH PUMP. STEP 4: WHEN BACKWASH PUMP IS NO LONGER NEEDED, TURN BACKWASH PUMP TO "OFF" IN CONTROL PANEL. TURN VALVES TO THEIR NORMAL ORIENTATION. IN SERVICE PEDESTAL, TRANSFER POWER BACK TO WELL PUMP.	1



SIDE VIEW

NO SCALE



INTERIOR HINGED DOOR

NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/103.67		

REGISTERED ELECTRICAL ENGINEER
 REGISTERED PROFESSIONAL ENGINEER
 No. E 16915
 Exp. 06-30-23
 STATE OF CALIFORNIA
 ELEC

PLANS APPROVAL DATE: 11-10-21
 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.

DESIGN	BY Rondali Blankenship	CHECKED Jagtar Dhaliwal	BRIDGE NO. 04R001L	SAFETY ROADSIDE REST AREA UPGRADE	SHEET EE-10
DETAILS	BY Yowen Sun	CHECKED Rondali Blankenship	POST MILE R102.9	SAVAGE CREEK	
QUANTITIES	BY Rondali Blankenship	CHECKED Jagtar Dhaliwal	UNIT: 3596 CONTRACT No.: 01-0C404	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) V1

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN
 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAMMW Imperial - CISC Rev. 12/20
 Prj\dist_01\0119000012_savage Creek Intake\elec\100.pct submittal\EE00_10.dgn
 25-APR-2022 13:45

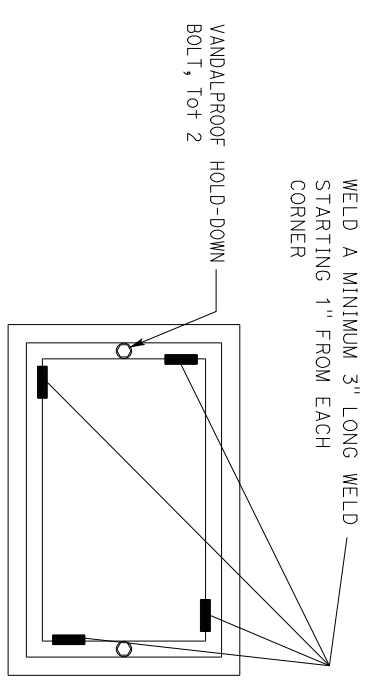
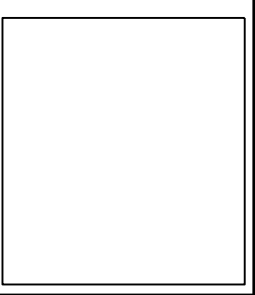
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/103.67		

Registered Electrical Engineer
Jagtar Dhaliwal
 No. E 16915
 Exp. 06-30-23
 STATE OF CALIFORNIA
 REGISTERED PROFESSIONAL ENGINEER

PLANS APPROVAL DATE: 11-10-21
 REGISTERED ELECTRICAL ENGINEER DATE: 11-10-21

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.

- * PROVIDE THREE COMPATIBLE TOOLS TO OPEN/CLOSE HOLD-DOWN BOLTS.
 - ** PROVIDE THREE COMPATIBLE TOOLS TO OPEN/CLOSE HEX LOCK NUT.
- GENERAL NOTE:
- A. Pull box covers must be marked as per the pull box marking schedule.



A **NO. 5 TRAFFIC RATED PULL BOX WITH TAMPER RESISTANCE WELDED COVER**

NO SCALE



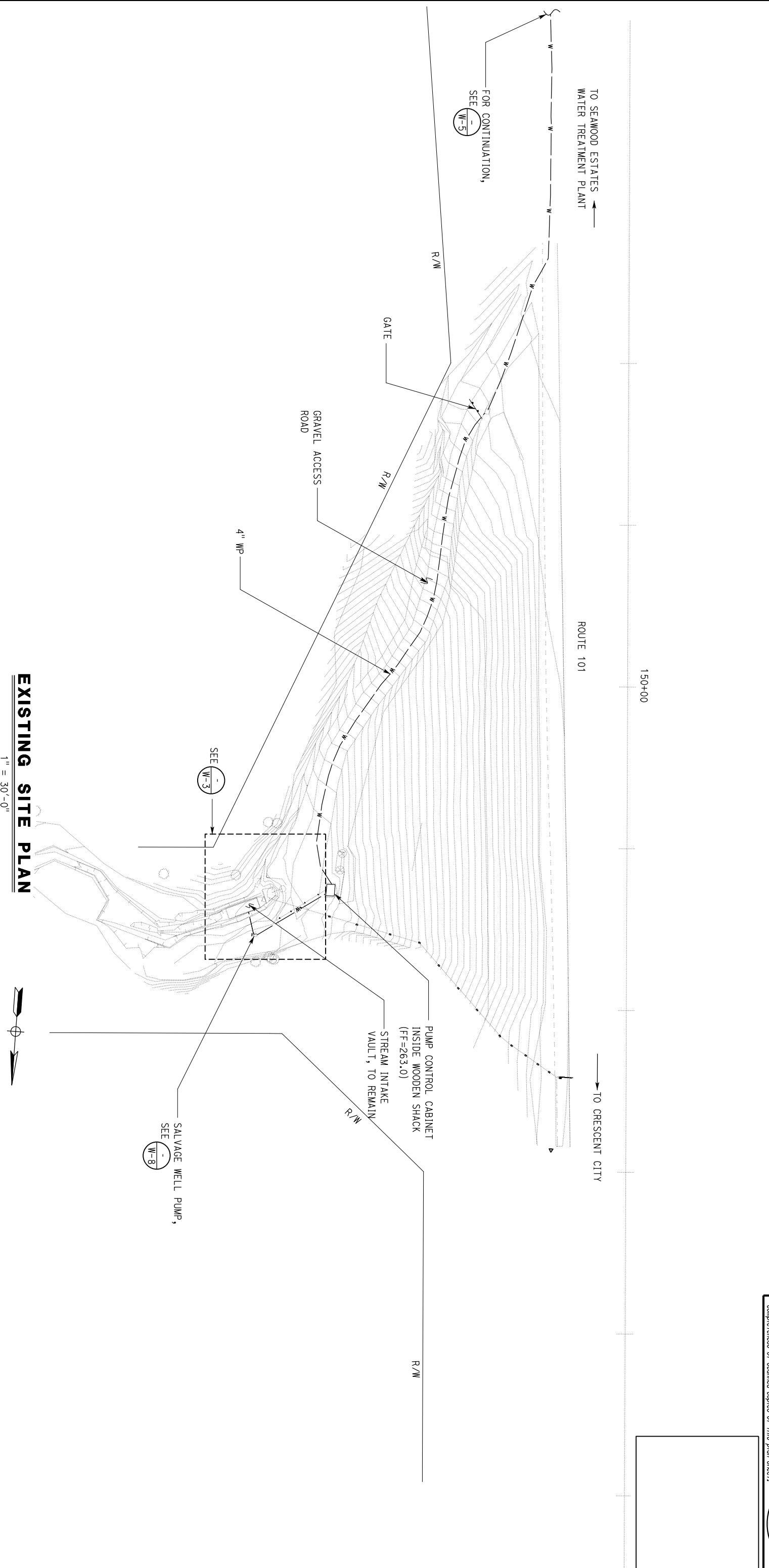
B **WARNING LABEL**

NO SCALE

* WARNING LABEL MUST BE CONSTRUCTED WITH HIGH DEGREE OF CHEMICAL ABRASION, HEAT RESISTANCE AND UL RECOGNIZED MATERIAL.

DESIGN	BY	CHECKED	DATE	BRIDGE NO.	SAFETY	TRINIDAD
DETAILS	Randall Blankenship	Jagtar Dhaliwal		04R001L	ROADSIDE REST AREA UPGRADE	AREA
QUANTITIES	Yowen Sun	Randall Blankenship		POST MILE	PULLBOX AND ARC FLASH DETAILS	DETAILS
	Randall Blankenship	Jagtar Dhaliwal		R102.9		
ORIGINAL SCALE IN INCHES			0	1	2	3
FOR REDUCED PLANS			0	1	2	3
TAMMWW Imperial - CISC Rev. 12/20						
SHEET						
EE-11						
VERSION SHEET						
V1						

NOTE:
 (E) Utilities are shown in approximate location, verify in field.



APPROVED FOR WATER WORK ONLY

Dist	COUNTY	ROUTE	POST MILES - TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

REGISTERED CIVIL ENGINEER
 KOSHA K. SHAH
 No. C 73864
 Exp. 6/30/23
 STATE OF CALIFORNIA

PLANS APPROVAL DATE: 03-18-22
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EXISTING SITE PLAN
 1" = 30'-0"

DESIGN SUPERVISOR <i>Kosha K. Shah</i>	DESIGN ENGINEER <i>Kosha K. Shah</i>	BY LAURA MAHONEY	CHECKED ANDY QUAN	BRIDGE NO. 04R001 L	SAVAGE CREEK INTAKE UPGRADE
DETAILS <i>Kosha K. Shah</i>	QUANTITIES <i>Kosha K. Shah</i>	BY KOMEYLA AMINI	CHECKED ANDY QUAN	POST MILE R103.39/R103.67	
DESIGN ENGINEER <i>Kosha K. Shah</i>		BY LAURA MAHONEY	CHECKED ANDY QUAN	DISREGARD PRINTS BEARING EARLIER REVISION DATES	EXISTING SITE PLAN
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0	1	2	3

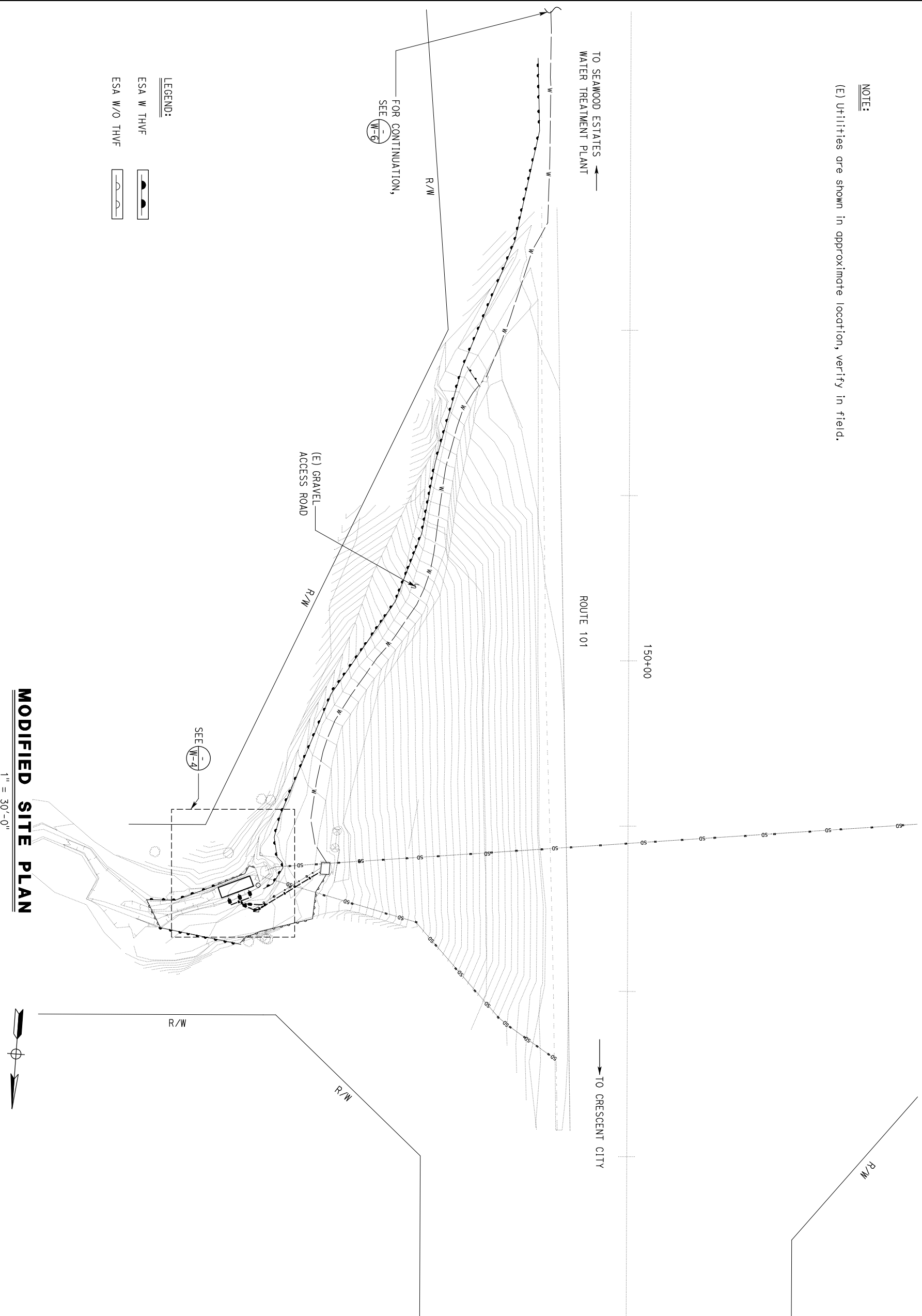
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

UNIT: 3616 CONTRACT NO.: 01-0J3604
 PROJECT NUMBER & PHASE: 01190000121

REVISION DATES (PRELIMINARY STAGE ONLY)
 08-21-21 V1

SHEET **W-1** OF

NOTE:
 (E) Utilities are shown in approximate location, verify in field.



APPROVED FOR WATER WORK ONLY

- LEGEND:**
- ESA W THVF
 - ESA W/O THVF

MODIFIED SITE PLAN

1" = 30'-0"

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

REGISTERED CIVIL ENGINEER
 KOSHA K. SHAH
 No. C 73864
 Exp. 6/30/23
 STATE OF CALIFORNIA

PLANS APPROVAL DATE: 03-18-22
 DATE: 03-18-22

Kosha K. Shah
 REGISTERED CIVIL ENGINEER

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CALIFORNIA STATE FIRE MARSHAL
APPROVED FIRE AND PUMP ONLY
 Approval of this plan does not authorize or constitute an endorsement of any equipment or 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: *Shane Wilson*
 SHANE WILSON
 Approval date: 05-19-22

DESIGN BY	LAURA MAHONEY	CHECKED BY	ANDY QUAN	BRIDGE NO.	04R001 L	SAVAGE CREEK INTAKE UPGRADE	SHEET W-2	
DETAILS BY	KOMEYLA AMINI	CHECKED BY	ANDY QUAN	POST MILE	R103.39/ R103.87			
QUANTITIES BY	LAURA MAHONEY	CHECKED BY	ANDY QUAN	DISREGARD PRINTS BEARING EARLIER REVISION DATES	06-21-21	MODIFIED SITE PLAN	REVISION DATES (PRELIMINARY STAGE ONLY)	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0	1	2	3	VERSION SHEET 06 OF

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

UNIT: 3616 CONTRACT NO.: 01-0J3604 PROJECT NUMBER & PHASE: 01190000121

TAEMMW Imperial - CCSC Rev. 12/20

P:\dist_01\01190000121_Savdge Creek_Intake\vw\Working\Dar\wings\Savdge Creek-New Border_w_02_Modified_Site_Plan.dgn

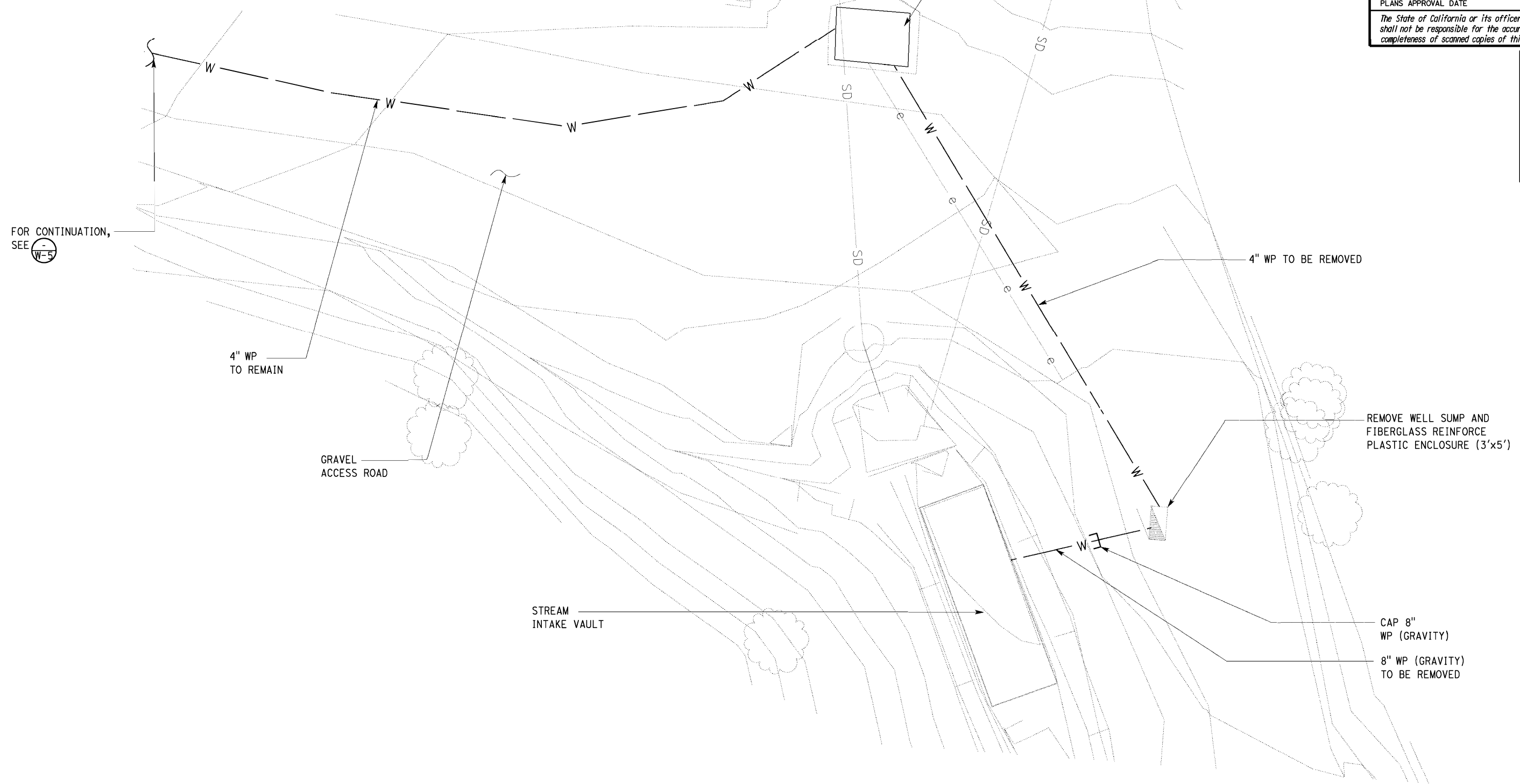
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

Kosha K. Shah 03-18-22
 REGISTERED CIVIL ENGINEER DATE
 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER
 KOSHA K. SHAH
 No. C 73864
 Exp. 6/30/23
 CIVIL
 STATE OF CALIFORNIA

NOTE:
 (E) Utilities are shown in approximate location, verify in the field.



EXISTING PARTIAL SITE PLAN

SCALE: 1"=5'-0"



APPROVED FOR WATER WORK ONLY

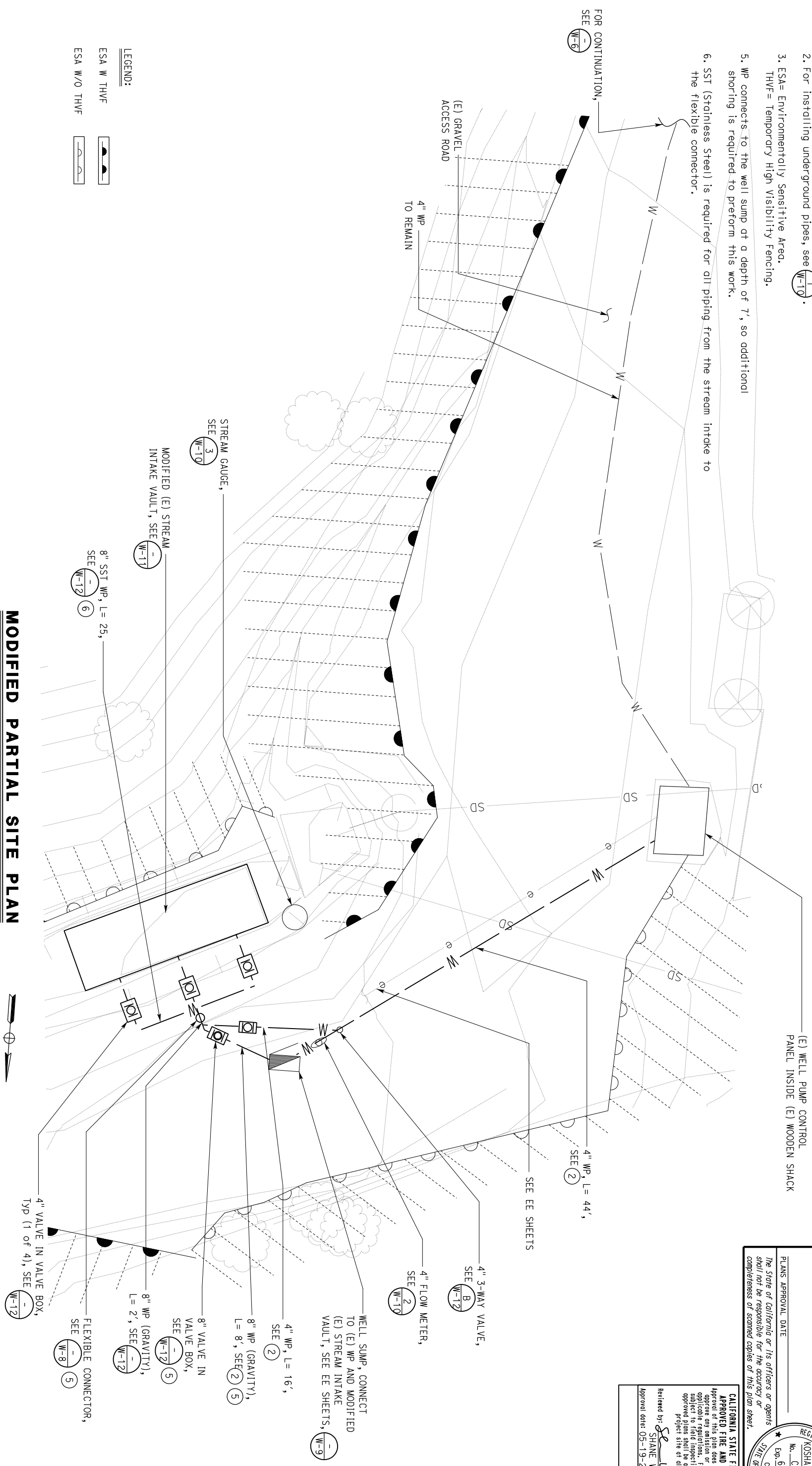
DESIGN BY LAURA MAHONEY CHECKED ANDY QUAN	BY KOMEYLA AMINI CHECKED ANDY QUAN	BY LAURA MAHONEY CHECKED ANDY QUAN	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 04R001 L	SAVAGE CREEK INTAKE UPGRADE EXISTING PARTIAL SITE PLAN	SHEET W-3
					POST MILE R103.39/R103.67		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			UNIT: 3616 CONTRACT No.: 01-0J3604 PROJECT NUMBER & PHASE: 01190000121		DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES (PRELIMINARY STAGE ONLY)		VERSION SHEET OF 08-27-21 V1

TAEWW Imperial - CCSC Rev. 12/20

P:\dists_01\0119000012_Savage Creek Intake\ww\Working Drawings\Savage Creek-New Border\w_03_Existing_Partial_Site_Plan.dgn

NOTES:

- (E) Utilities are shown in approximate location, verify in field.
- For installing underground pipes, see (W-10).
- ESA= Environmentally Sensitive Area.
THVF= Temporary High Visibility Fencing.
- WP connects to the well sump at a depth of 7', so additional shoring is required to perform this work.
- SST (Stainless Steel) is required for all piping from the stream intake to the flexible connector.



MODIFIED PARTIAL SITE PLAN

SCALE: 1"=5'-0"

Dist	COUNTY	ROUTE	POST MILES - TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

REGISTERED CIVIL ENGINEER	DATE
<i>Kosha K. Shah</i>	03-18-22

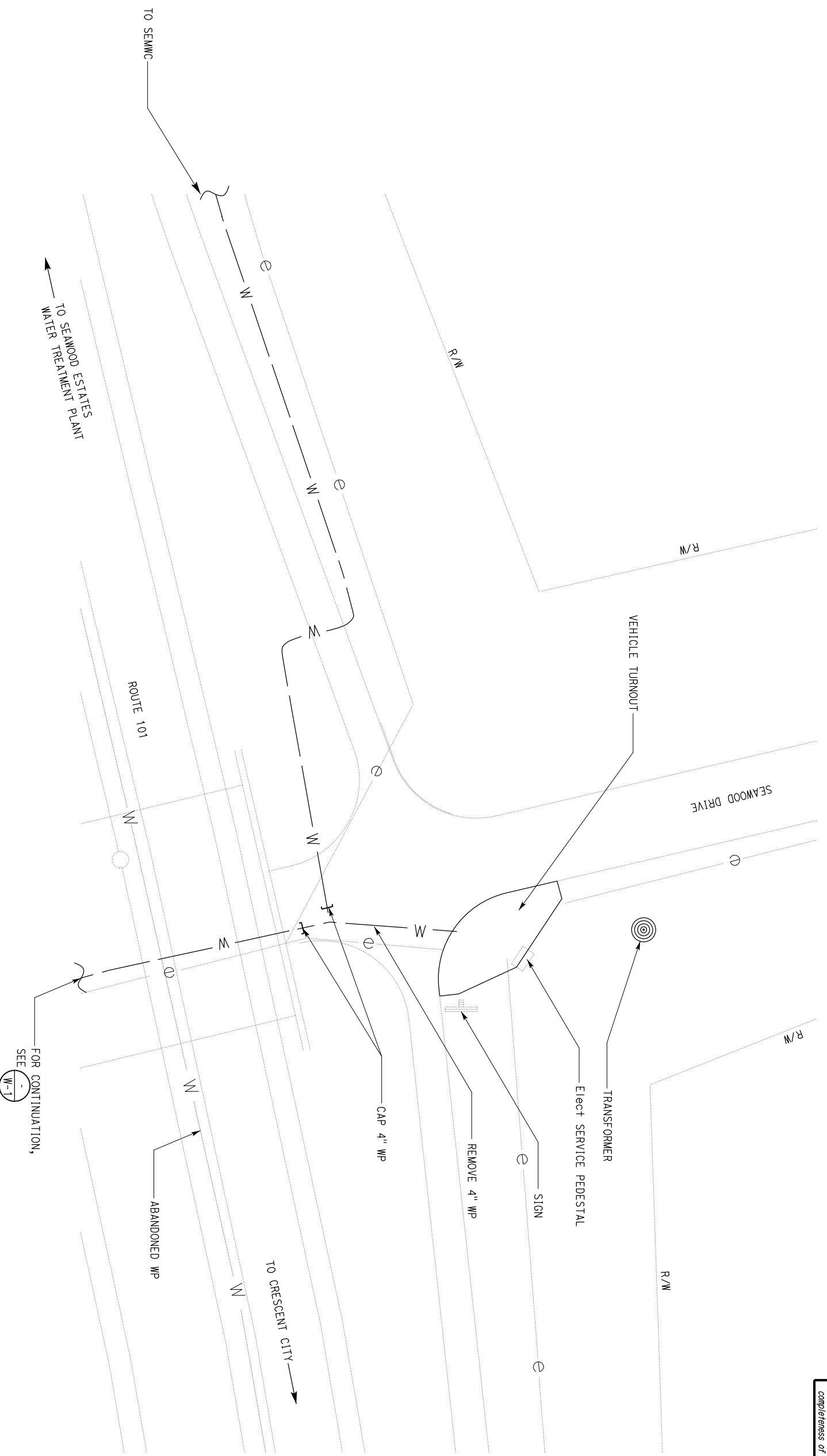
PLANS APPROVAL DATE	REGISTERED PROFESSIONAL ENGINEER
	KOSHA K. SHAH
	No. C 73864
	Exp. 6/30/23
	CIVIL ENGINEER
	STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
 Approval of this plan does not authorize or constitute approval of any 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: *Shane Wilson*
 SHANE WILSON
 Approval date: 05-19-22

APPROVED FOR WATER WORK ONLY

DESIGN	BY LAURA MAHONEY	CHECKED	ANDY QUAN	BRIDGE NO.	04R001 L	SAVAGE CREEK INTAKE UPGRADE	SHEET
DETAILS	BY KOMELYA AMINI	CHECKED	ANDY QUAN	POST MILE	R103.39/ R103.87	MODIFIED PARTIAL SITE PLAN	W-4
QUANTITIES	BY LAURA MAHONEY	CHECKED	ANDY QUAN	UNIT: 3616 CONTRACT NO.: 01-0J3604	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION SHEET OF
				PROJECT NUMBER & PHASE: 01190000121		08-21-21	V1

- NOTES:**
- (E) Utilities are shown in approximate location, verify in field.
 - SEMMC = Seawood Estates Mutual Water Co.



EXISTING PARTIAL SITE PLAN

1" = 10'-0"

APPROVED FOR WATER WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

Kosha K. Shah
 REGISTERED CIVIL ENGINEER
 DATE 03-18-22

PLANS APPROVAL DATE _____
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REGISTERED PROFESSIONAL ENGINEER
 KOSHA K. SHAH
 No. C 73864
 Exp. 6/30/23
 STATE OF CALIFORNIA
 CIVIL ENGINEER

DESIGN BY LAURA MAHONEY		CHECKED BY ANDY QUAN	BRIDGE NO. 04R001 L		SAVAGE CREEK INTAKE UPGRADE		SHEET W-5
DETAILS BY KOMEYLA AMINI		CHECKED BY ANDY QUAN	POST MILE R103.39/R103.87		EXISTING PARTIAL SITE PLAN		OF
QUANTITIES BY LAURA MAHONEY		CHECKED BY ANDY QUAN	UNIT: 3616 CONTRACT NO.: 01-0J3604		REVISION DATES (PRELIMINARY STAGE ONLY)		06-21-21
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		PROJECT NUMBER & PHASE: 01190000121		DISREGARD PRINTS BEARING EARLIER REVISION DATES		VERSION SHEET V1	

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

TAEMMW Imperial - CCSC Rev. 12/20


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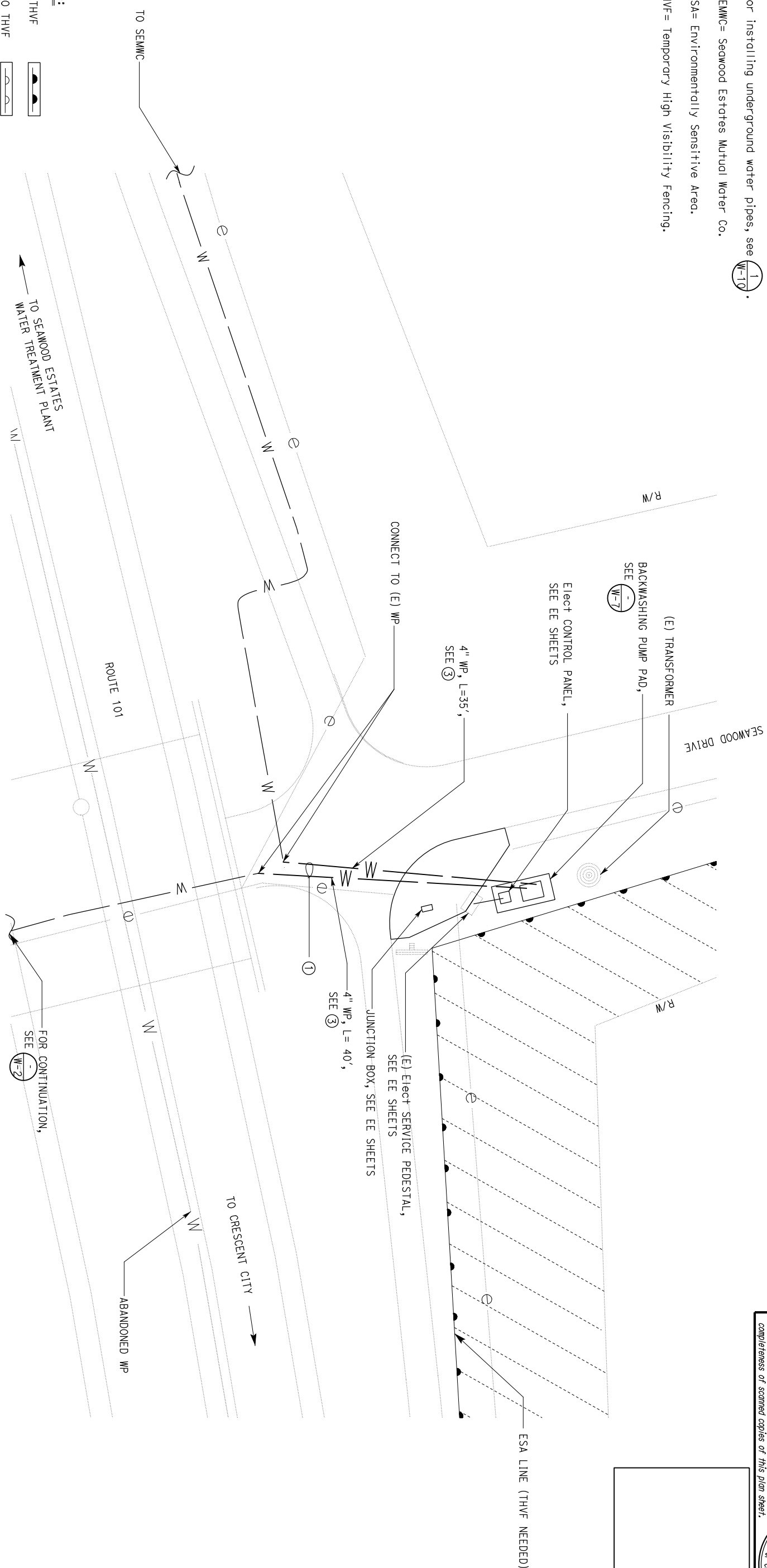
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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

REGISTERED CIVIL ENGINEER
 KOSHA K. SHAH
 No. C 13864
 Exp. 6/30/23
 STATE OF CALIFORNIA
 REGISTERED PROFESSIONAL ENGINEER

PLANS APPROVAL DATE: 03-18-22
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- NOTES:**
1. Pipes share common trench.
 2. (E) Utilities are in approximate location, verify in the field.
 3. For installing underground water pipes, see .
 4. SEMWC= Seawood Estates Mutual Water Co.
 5. ESA= Environmentally Sensitive Area.
 6. THVF= Temporary High Visibility Fencing.



- LEGEND:**
- ESA W THVF 
 - ESA W/O THVF 

APPROVED FOR WATER WORK ONLY

MODIFIED PARTIAL SITE PLAN

1" = 10'-0"



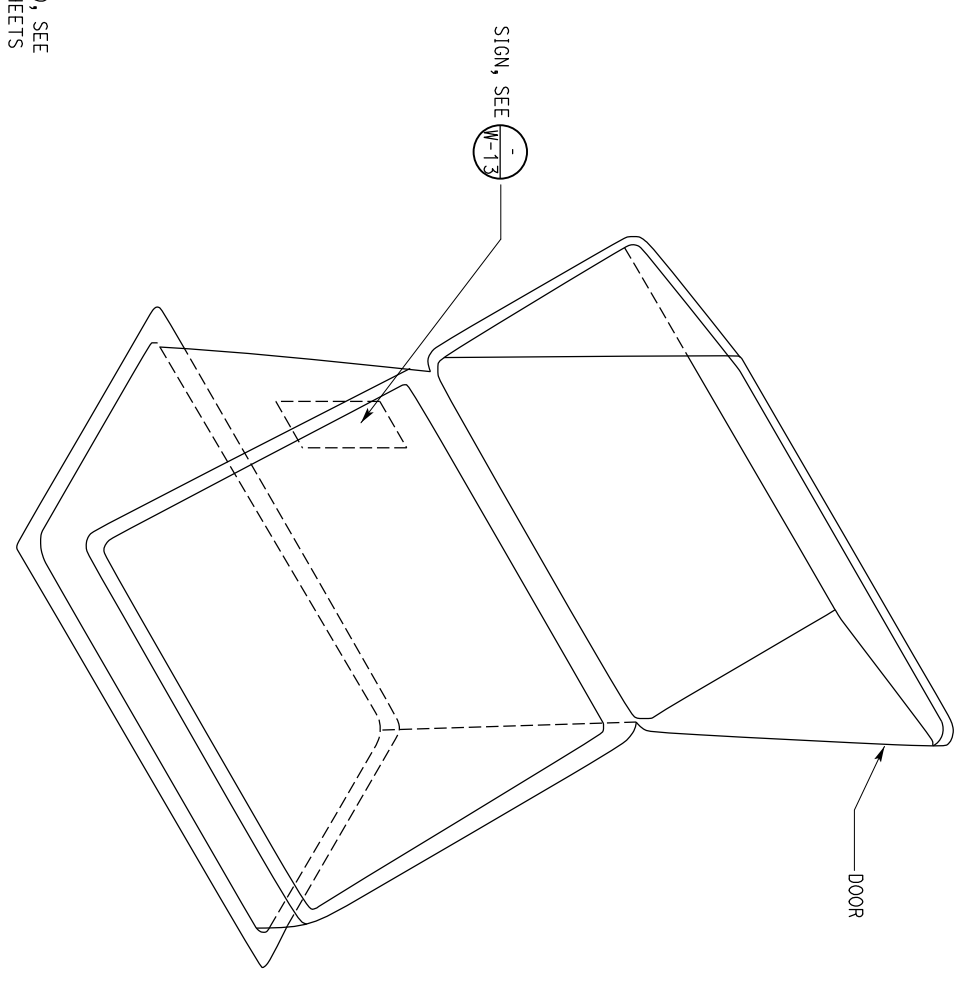
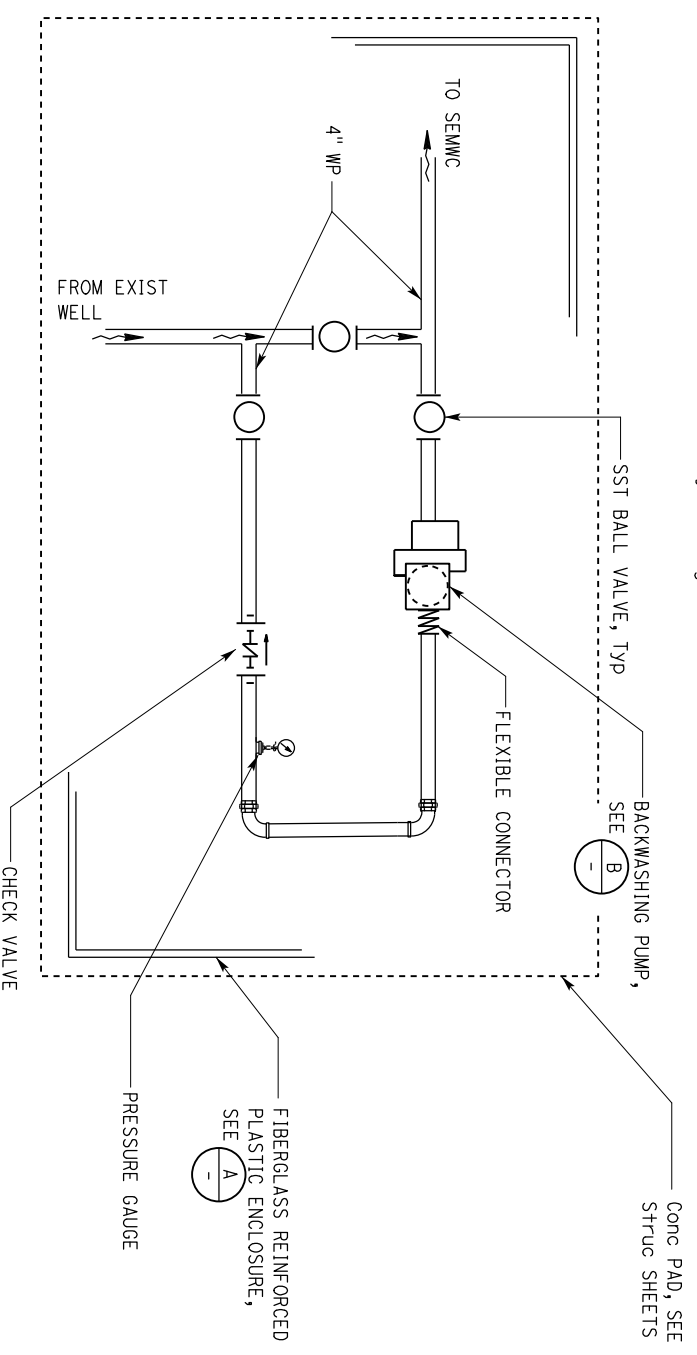
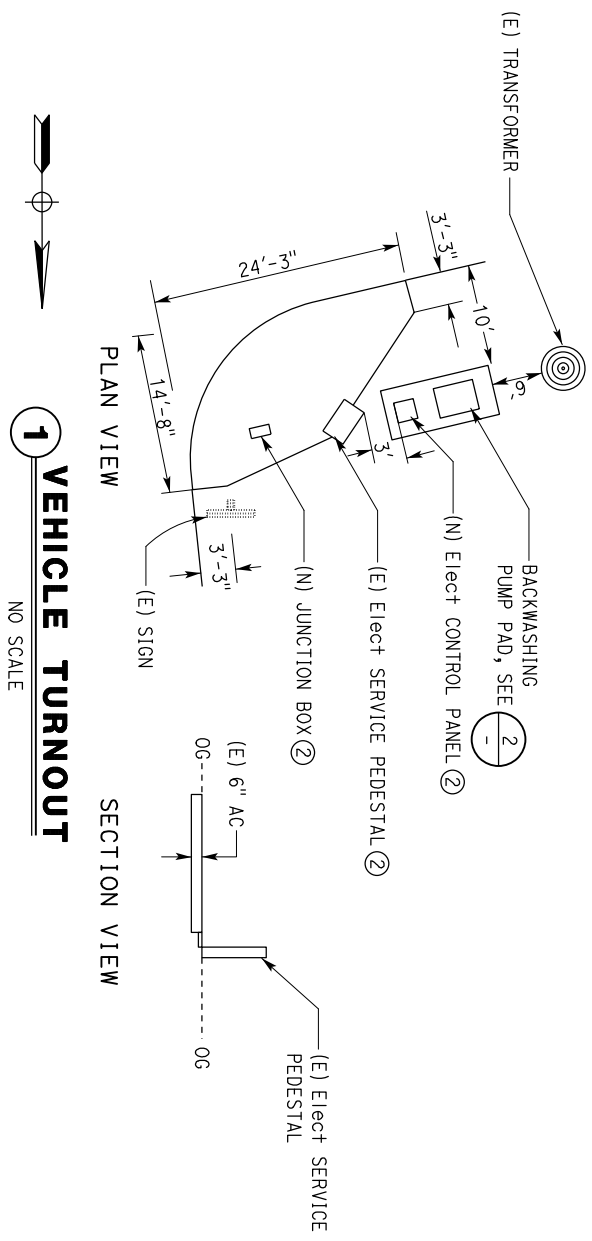
DESIGN BY LAURA MAHONEY	CHECKED BY ANDY QUAN	BRIDGE NO. 04R001 L	SAVAGE CREEK INTAKE UPGRADE MODIFIED PARTIAL SITE PLAN	SHEET W-6 OF	
DETAILS BY KOMEYLA AMINI	CHECKED BY ANDY QUAN	POST MILE R103.39/ R103.87			
QUANTITIES BY LAURA MAHONEY	CHECKED BY ANDY QUAN	UNIT: 3616 CONTRACT NO.: 01-0J3604 PROJECT NUMBER & PHASE: 01190000121	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 08-21-21	VERSION SHEET V1

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

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

T:\EMMW Imperial - CCSC Rev. 12/20
 P:\dist_01\01190000121_Savdge Creek Intake\vw\Working Drawings\Savdge Creek-New Border_w_06_Modified_Partial_Site_Plan.dgn

- NOTES:
1. SEMWC = Sequoia Estates Mutual Water Co.
 2. SEE EE sheets.



EQUIPMENT SCHEDULE

EQUIPMENT	SPEED (RPM)	hp	VOLTS	PHASE	PUMPING RATE (GPM)	TOTAL DYNAMIC HEAD (ft)
BACKWASHING PUMP	3450	5	230	1	250 220 200	30 40 45

B BACKWASHING PUMP
NO SCALE

Dist	COUNTY	ROUTE	POST MILES - TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

REGISTERED CIVIL ENGINEER
KOSHA K. SHAH
No. C 73864
Exp. 6/30/23
STATE OF CALIFORNIA

PLANS APPROVAL DATE: 03-18-22
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.

APPROVED FOR WATER WORK ONLY

DESIGN BY LAURA MAHONEY	CHECKED BY ANDY QUAN	DESIGN BY LAURA MAHONEY	CHECKED BY ANDY QUAN	DESIGN BY LAURA MAHONEY	CHECKED BY ANDY QUAN
DETAILS BY KOMEYLA AMINI	CHECKED BY ANDY QUAN	DETAILS BY KOMEYLA AMINI	CHECKED BY ANDY QUAN	DETAILS BY KOMEYLA AMINI	CHECKED BY ANDY QUAN
QUANTITIES BY LAURA MAHONEY	CHECKED BY ANDY QUAN	QUANTITIES BY LAURA MAHONEY	CHECKED BY ANDY QUAN	QUANTITIES BY LAURA MAHONEY	CHECKED BY ANDY QUAN

ORIGINAL SCALE IN INCHES: 0 1 2 3

FOR REDUCED PLANS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3616 CONTRACT NO.: 01-0J3604
PROJECT NUMBER & PHASE: 01190000121

BRIDGE NO.: 04R001 L
POST MILE: R103.39/
R103.87

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY): 08-21-21
VERSION SHEET: V1

SAVAGE CREEK INTAKE UPGRADE
BACKWASHING PUMP PAD

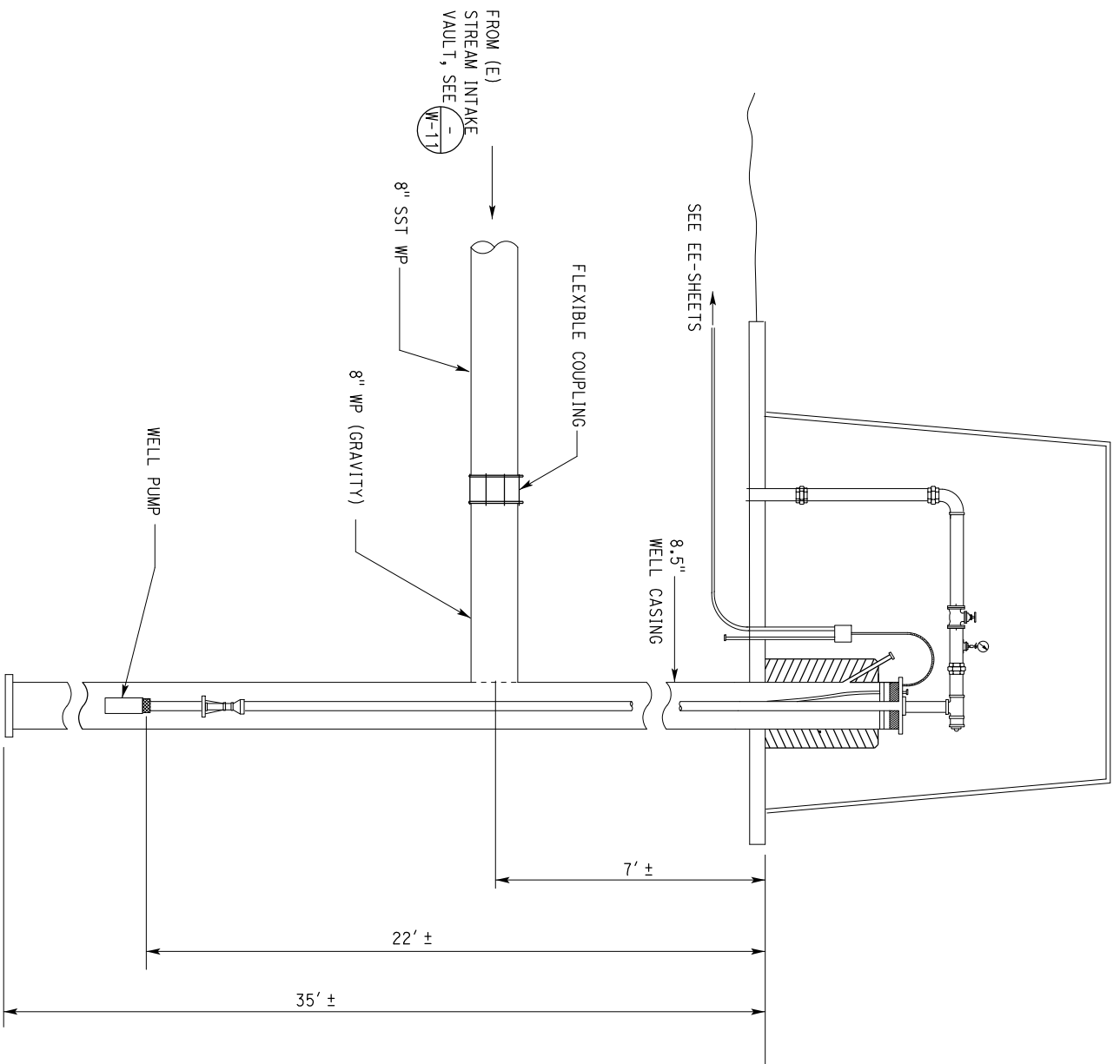
SHEET W-7 OF

TAEMMW Imperial - CCSC Rev. 12/20

29-APR-2022 15:59

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

REGISTERED CIVIL ENGINEER
 KOSHA K. SHAH
 No. C 13864
 Exp. 6/30/23
 STATE OF CALIFORNIA
 REGISTERED PROFESSIONAL ENGINEER
 DATE 03-18-22
 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.

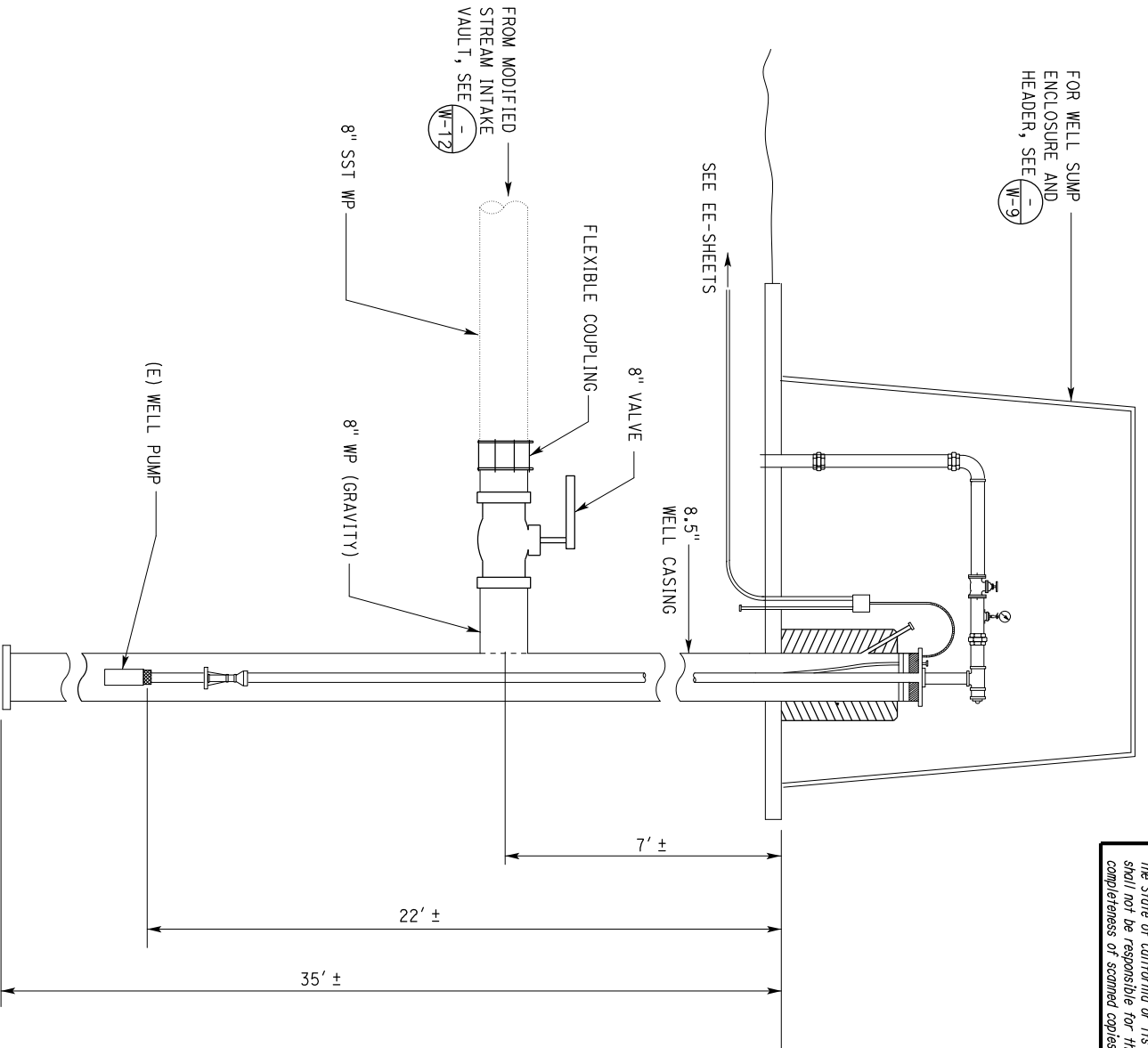


(E) EQUIPMENT SCHEDULE

EQUIPMENT	SPEED (RPM)	hp	VOLTS	PHASE	PUMPING RATE (GPM)	TOTAL DYNAMIC HEAD (ft)
(E)WELL PUMP	3450	1/2	230	1	63	240
					33	125
					22	85

EXISTING WELL SUMP

NO SCALE



MODIFIED WELL SUMP

NO SCALE

APPROVED FOR WATER WORK ONLY

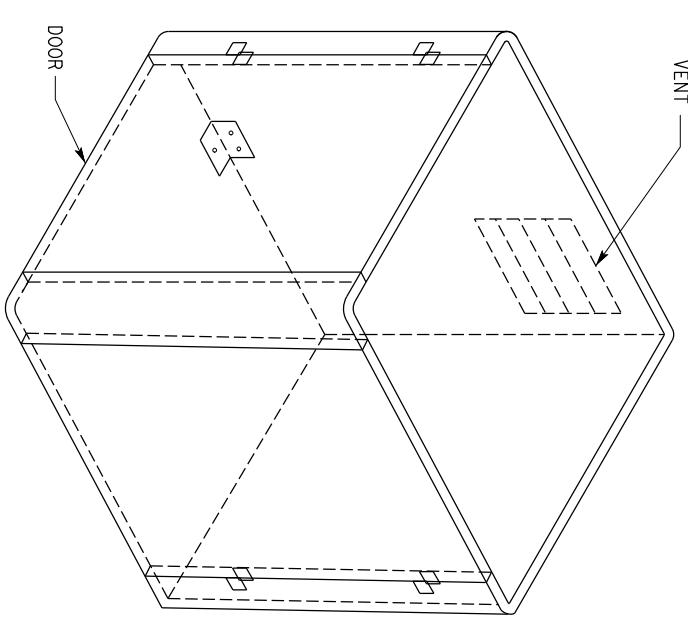
DESIGN BY LAURA MAHONEY	CHECKED BY ANDY QUAN	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 04R001 L	SAVAGE CREEK INTAKE UPGRADE WELL SUMP	SHEET W-8	
DETAILS BY KOMEYLA AMINI	CHECKED BY ANDY QUAN		POST MILE R103.39/ R103.67		REVISION DATES (PRELIMINARY STAGE ONLY) 10/28/2010, 04/27/2013, 06/21/2012	VERSION SHEET V1
QUANTITIES BY LAURA MAHONEY	CHECKED BY ANDY QUAN		UNIT: 3616 CONTRACT NO.: 01-0J3604 PROJECT NUMBER & PHASE: 01190000121		DISREGARD PRINTS BEARING EARLIER REVISION DATES	VERSION SHEET OF

ORIGINAL SCALE IN INCHES 0
 FOR REDUCED PLANS 1 2 3

TAEKMW Imperial - CGSC Rev. 12/20
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Dist	COUNTY	ROUTE	POST MILES - TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

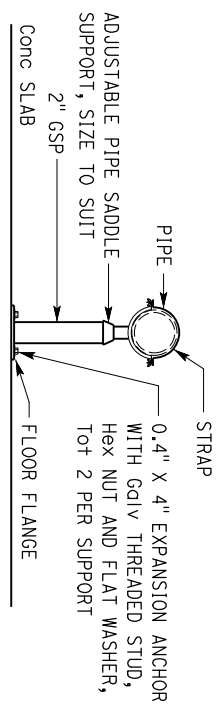
REGISTERED CIVIL ENGINEER
Kosha K. Shah
 DATE 03-18-22
 KOSHA K. SHAH
 No. C 13864
 Exp. 6/30/23
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.



1 FIBERGLASS REINFORCED PLASTIC ENCLOSURE

NO SCALE

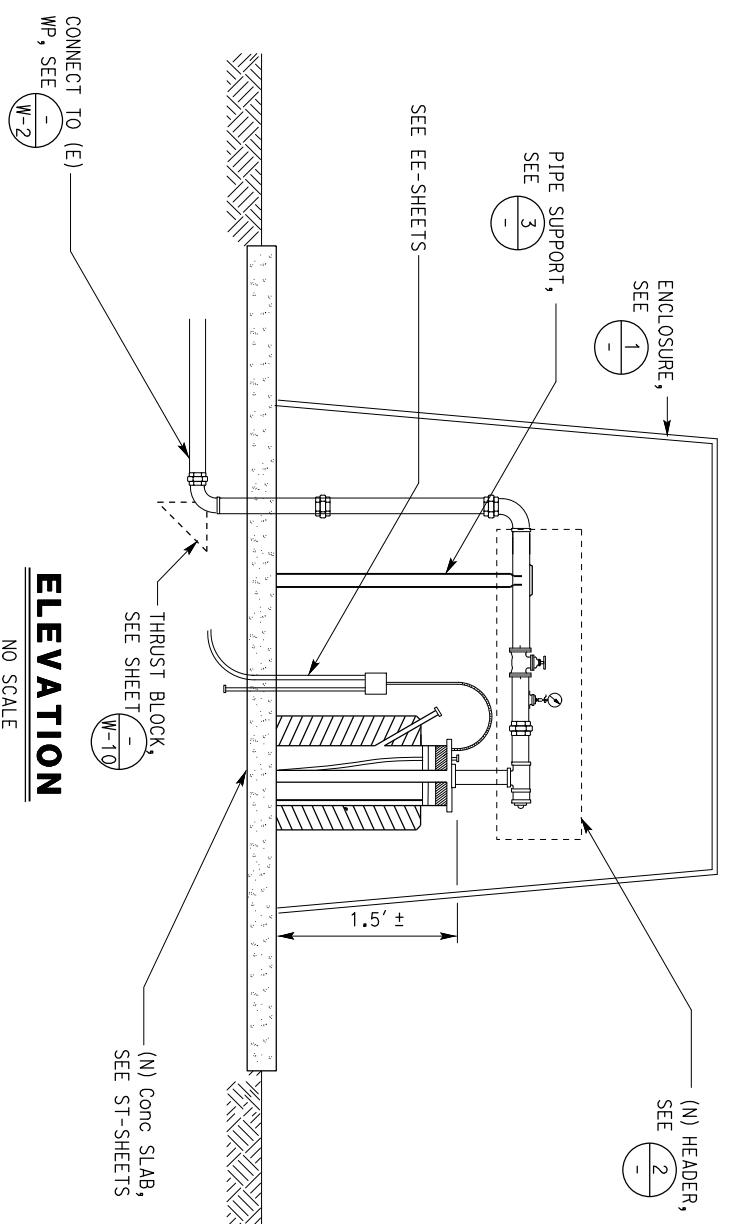
NOTE:
 Nominal dimensions W x L x H of the enclosure to be approximately 5' x5' x5'.
 Top cover is removable.



3 PIPE SUPPORT

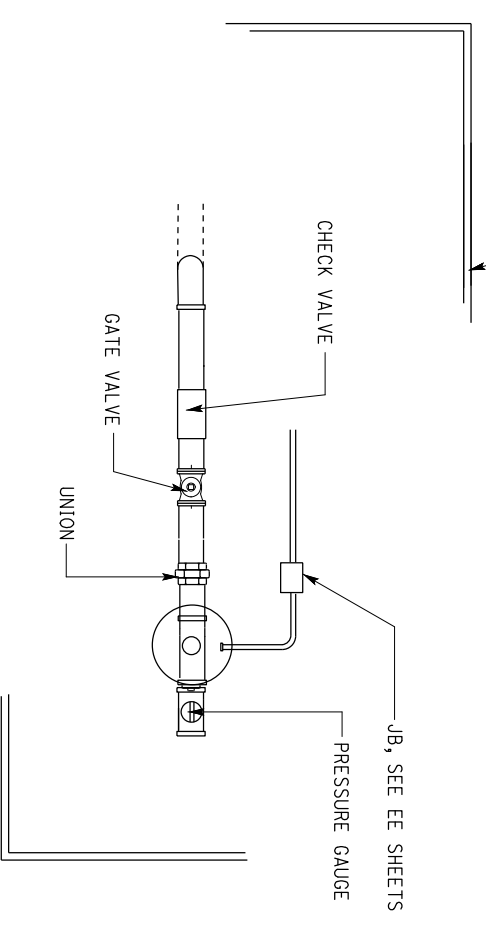
NO SCALE

NOTES:
 1. Pipe support total height to be 15" or as needed.
 2. Pipe support to be painted with anti-corrosion paint.



ELEVATION

NO SCALE



2 HEADER PLAN VIEW

NO SCALE

NOTES:
 1. Pipe and equipment skewed for clarity, See plan view for pipe orientation.
 2. All above-ground pipes containing water must be wrapped with pipe insulation.

APPROVED FOR WATER WORK ONLY

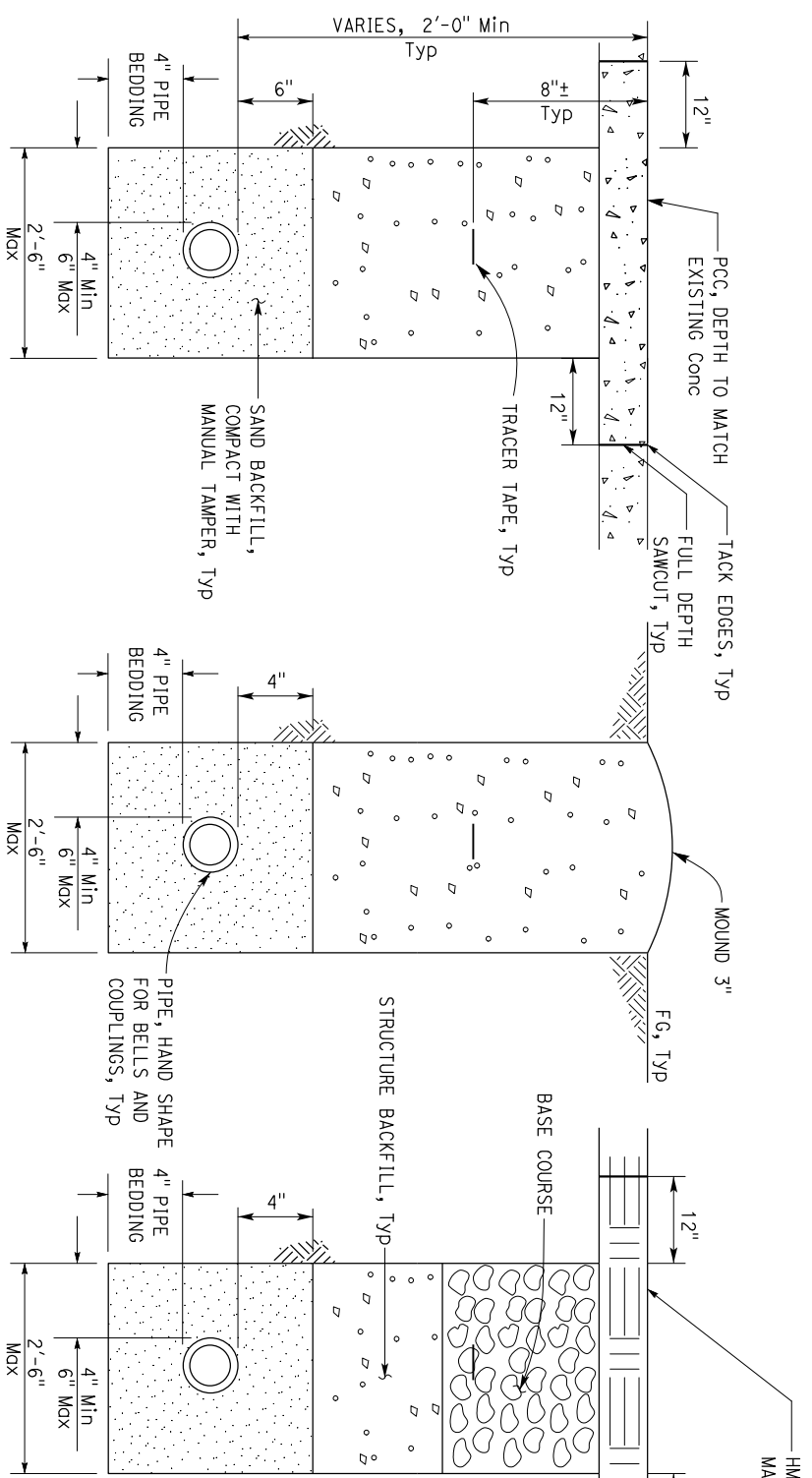
DESIGN	BY LAURA MAHONEY	CHECKED	ANDY QUAN	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	04R001 L	SAVAGE CREEK INTAKE UPGRADE	SHEET W-9		
DETAILS	BY KOMELYLA AMINI	CHECKED	ANDY QUAN			POST MILE	R103.39/ R103.67				
QUANTITIES	BY LAURA MAHONEY	CHECKED	ANDY QUAN	ORIGINAL SCALE IN INCHES	0	UNIT:	3616 CONTRACT NO.: 01-0J3604	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION SHEET	
				FOR REDUCED PLANS	1	PROJECT NUMBER & PHASE:	0190000121		10/28/2010	08/27/03/26/21/08/21/21	V1
				0	2	P:\dist_01\01190000121_Savage Creek -Intake\wv\Working\Dist\wings\Savage Creek-New Border\w_09_well_enclosure.rxdgn					

Dist	COUNTY	ROUTE	POST MILES - TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

REGISTERED CIVIL ENGINEER
Kosha K. Shah
 No. C 13864
 Exp. 6/30/23
 STATE OF CALIFORNIA
 REGISTERED PROFESSIONAL ENGINEER

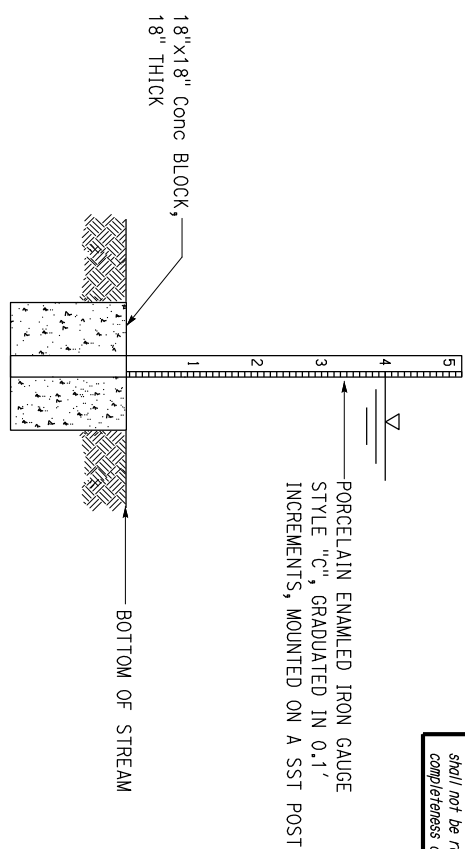
PLANS APPROVAL DATE: 03-18-22
 DATE: 03-18-22

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1 UNDERGROUND WATER PIPE
NO SCALE

3 STREAM GAUGE
NO SCALE



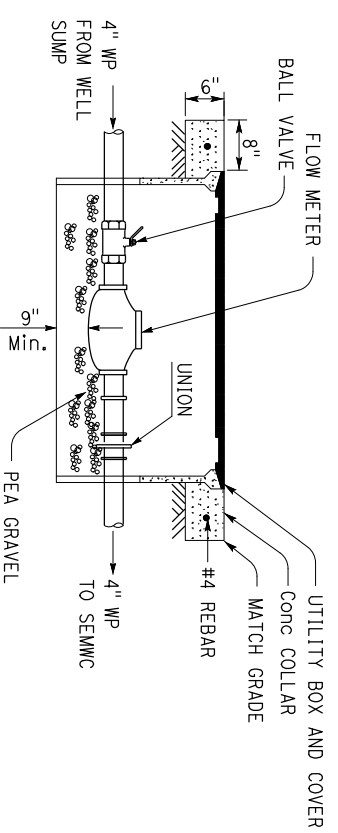
WATER LINES AND FORCE MAINS

Type of Fitting	90° Bend	45° Bend	11 1/4' or 22 1/2' Bend	Tee or Dead end	Cross w/plug	Tee w/plug
Typical Installation						

THRUST BLOCK BEARING AREA (SQ. FT.)

Type of Fitting	90° Bend	45° Bend	11 1/4' or 22 1/2' Bend	Tee or Dead end	Tee w/ Plug	Cross w/ plug
0 15" N.D.	0.5	0.3	0.3	0.5	0.7	0.7
2" N.D.	1.5	0.7	0.7	1.5	1.5	1.5
3" N.D.	3	1	1	2	2	2
4" N.D.	3	1	1	2	2	2

4 THRUST BLOCK
NO SCALE



2 FLOW METER
NO SCALE

- NOTES:**
1. Min 9" clearance on all sides.
 2. Install the flow meter with at least a distance of 30" straight pipe upstream and 15" downstream from elbows, tees, crosses, valves, and other fittings.
 3. SEMWC= Sedwood Estates Mutual Water Co.

APPROVED FOR WATER WORK ONLY

DESIGN BY: LAURA MAHONEY	CHECKED BY: ANDY QUAN	BRIDGE NO.: 04R001 L	SAVAGE CREEK INTAKE UPGRADE	SHEET W-10
DETAILS BY: KOMEYLA AMINI	CHECKED BY: ANDY QUAN	POST MILE: R103.39/ R103.87	REVISION DATES (PRELIMINARY STAGE ONLY): 10/26/2010, 04/27/2013, 08/21/2017	VERSION SHEET: V1
QUANTITIES BY: LAURA MAHONEY	CHECKED BY: ANDY QUAN	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	OF

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

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

UNIT: 3616 CONTRACT NO.: 01-0J3604 PROJECT NUMBER & PHASE: 01190000121

TAEMMW Imperial - CCSC Rev. 12/20

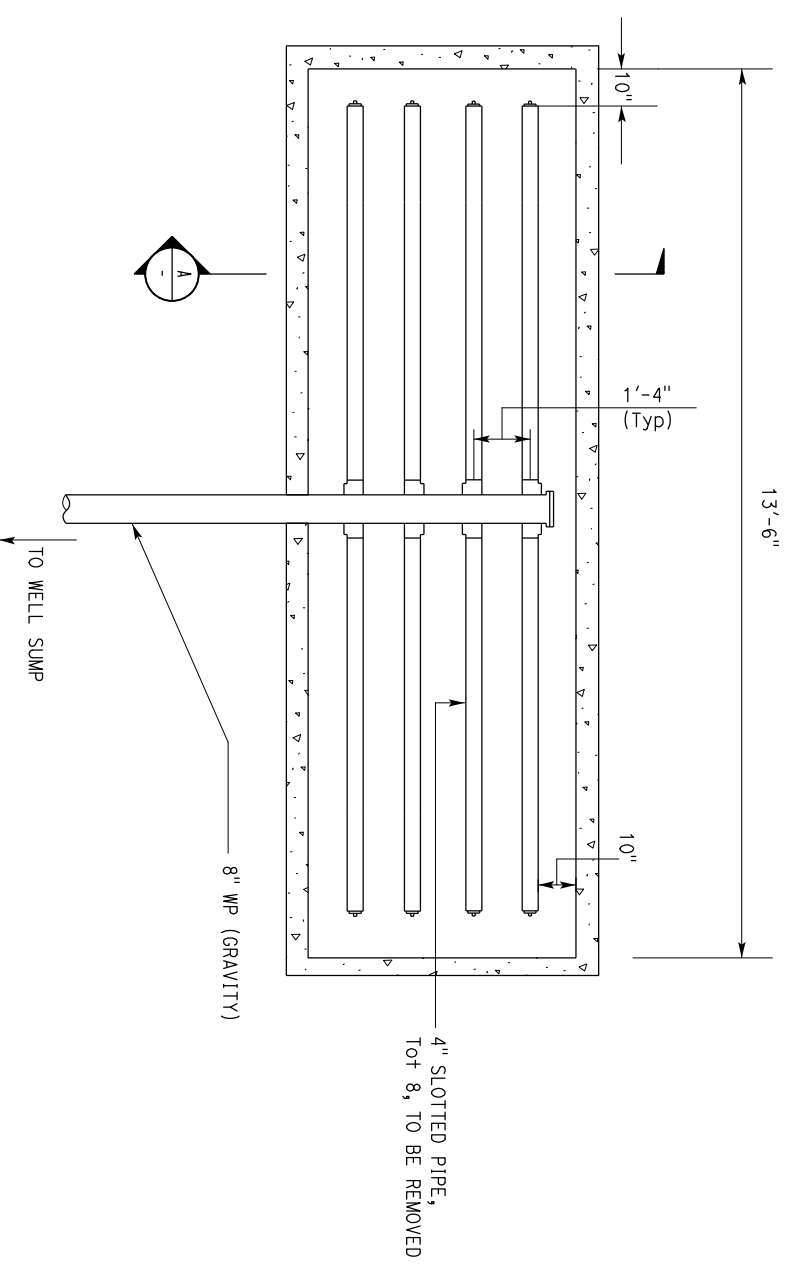
29-APR-2022 16:00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

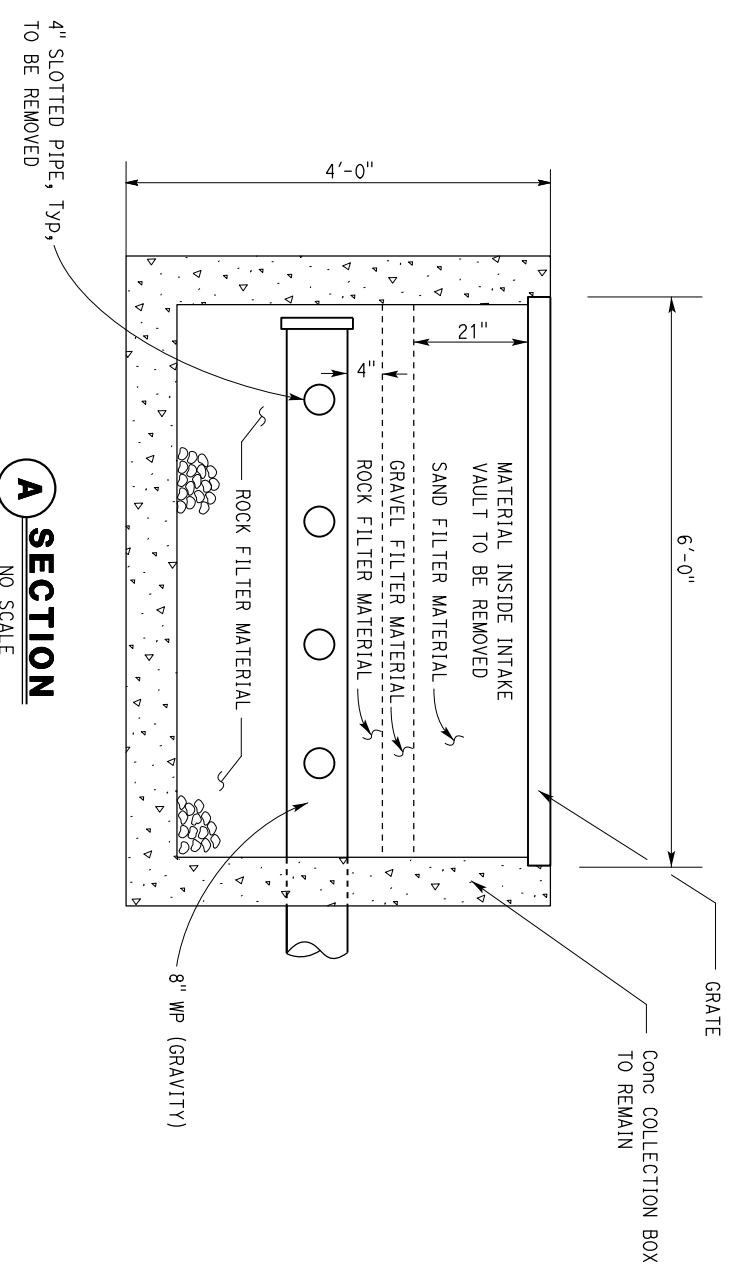
REGISTERED CIVIL ENGINEER
Kosha K. Shah
 DATE 03-18-22
 KOSHA K. SHAH
 No. C 73864
 Exp. 6/30/23
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA

PLANS APPROVAL DATE _____
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NOTE:
 Verify grate dimensions in the field.



EXISTING STREAM INTAKE VAULT
 NO SCALE



A SECTION
 NO SCALE

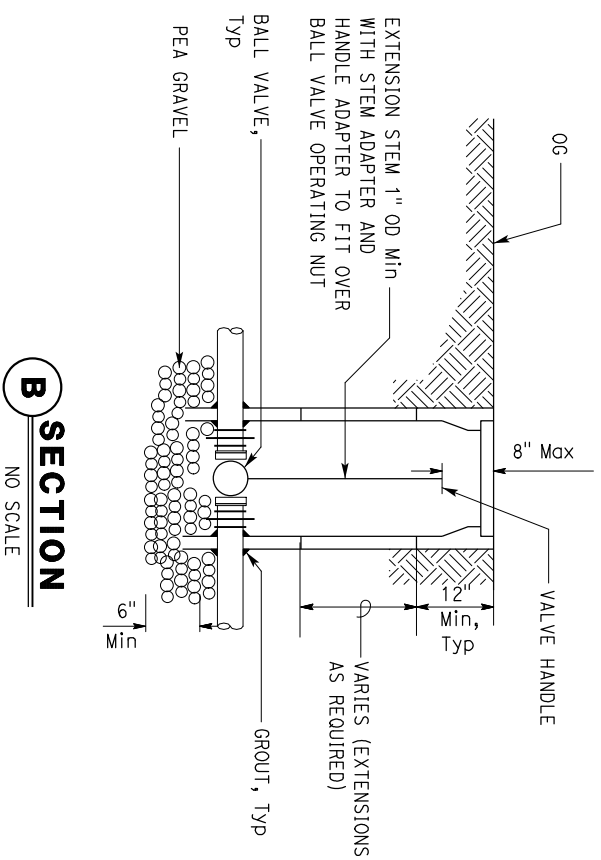
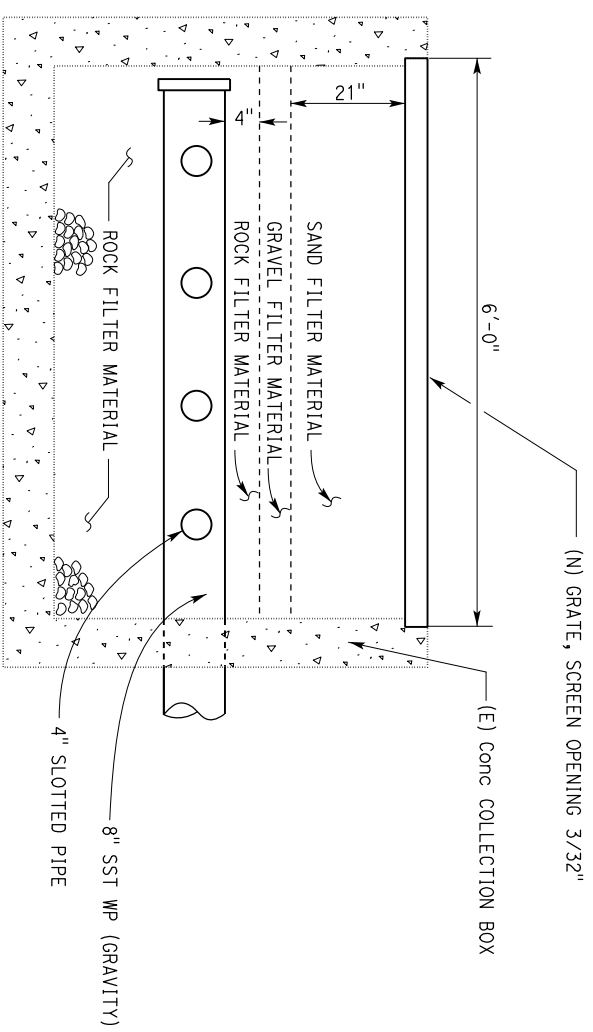
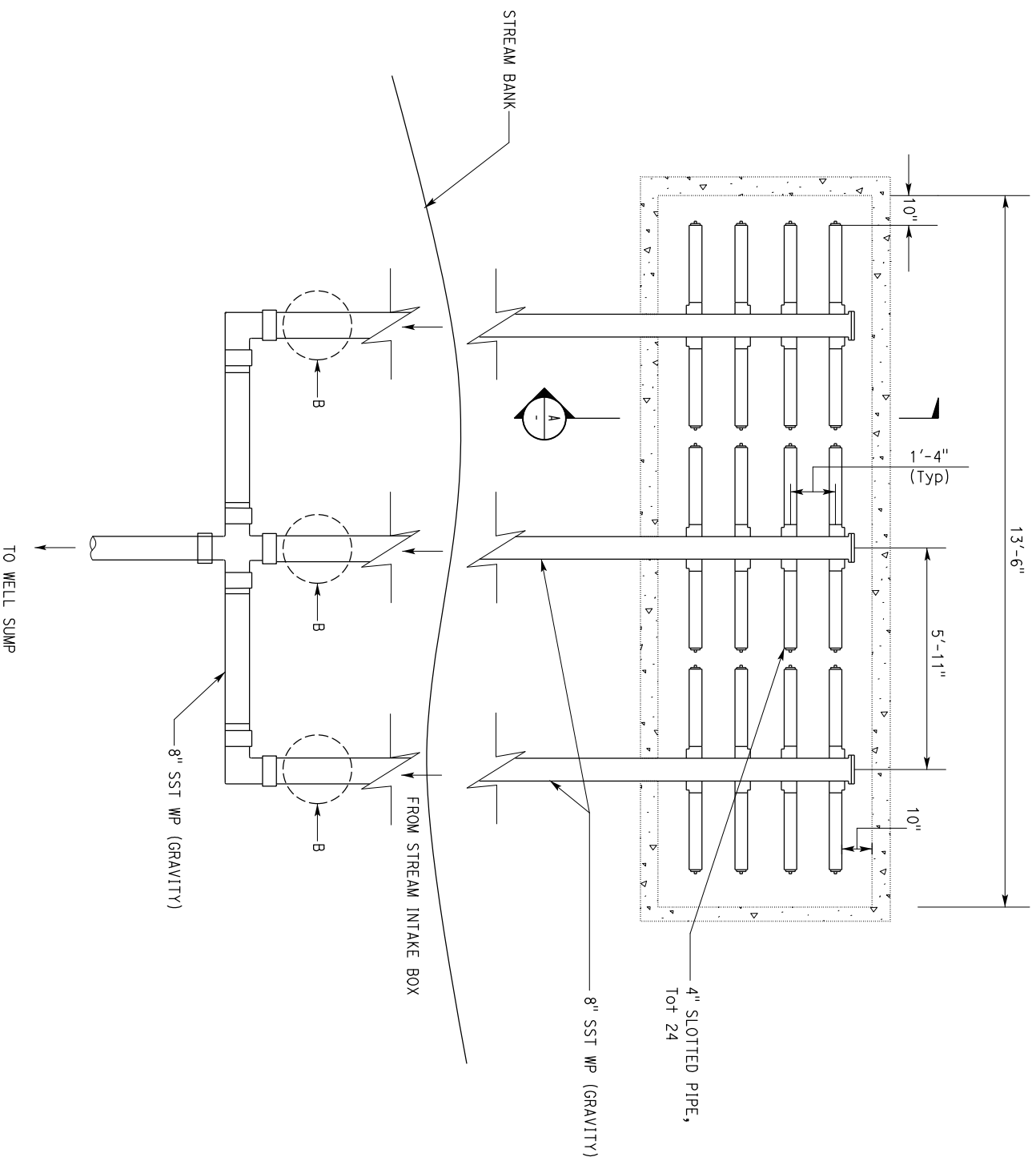
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DESIGN BY LAURA MAHONEY	CHECKED BY ANDY QUAN	BRIDGE NO. 04R001 L	SAVAGE CREEK INTAKE UPGRADE	SHEET W-11
DETAILS BY KOMEYLA AMINI	CHECKED BY ANDY QUAN	POST MILE R103.39/ R103.87		
QUANTITIES BY LAURA MAHONEY	CHECKED BY ANDY QUAN	DISREGARD PRINTS BEARING EARLIER REVISION DATES	EXISTING STREAM INTAKE VAULT	REVISION DATES (PRELIMINARY STAGE ONLY) 08-21-21
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: 3616 CONTRACT NO.: 01-0J3604 PROJECT NUMBER & PHASE: 01190000121	REVISION DATES (PRELIMINARY STAGE ONLY) V1	VERSION SHEET OF
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN		

TAEMMW Imperial - CCSC Rev. 12/20

29-APR-2022 16:00

NOTE:
 (N) Grate length and width must match (E) grate dimensions.
 Verify (E) grate dimensions in the field.



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MODIFIED STREAM INTAKE VAULT
 NO SCALE

DESIGN	BY LAURA MAHONEY	CHECKED	ANDY QUAN	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	04R001 L	SAVAGE CREEK INTAKE UPGRADE MODIFIED STREAM INTAKE VAULT	SHEET	W-12
DETAILS	BY KOMELYLA AMINI	CHECKED	ANDY QUAN			POST MILE	R103.39/ R103.87		REVISION DATES (PRELIMINARY STAGE ONLY)	08-21-21
QUANTITIES	BY LAURA MAHONEY	CHECKED	ANDY QUAN	ORIGINAL SCALE IN INCHES	FOR REDUCED PLANS	0	1	2	3	

Dist	COUNTY	ROUTE	POST MILES - TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

REGISTERED CIVIL ENGINEER
 KOSHA K. SHAH
 No. C 13864
 Exp. 6/30/23
 STATE OF CALIFORNIA

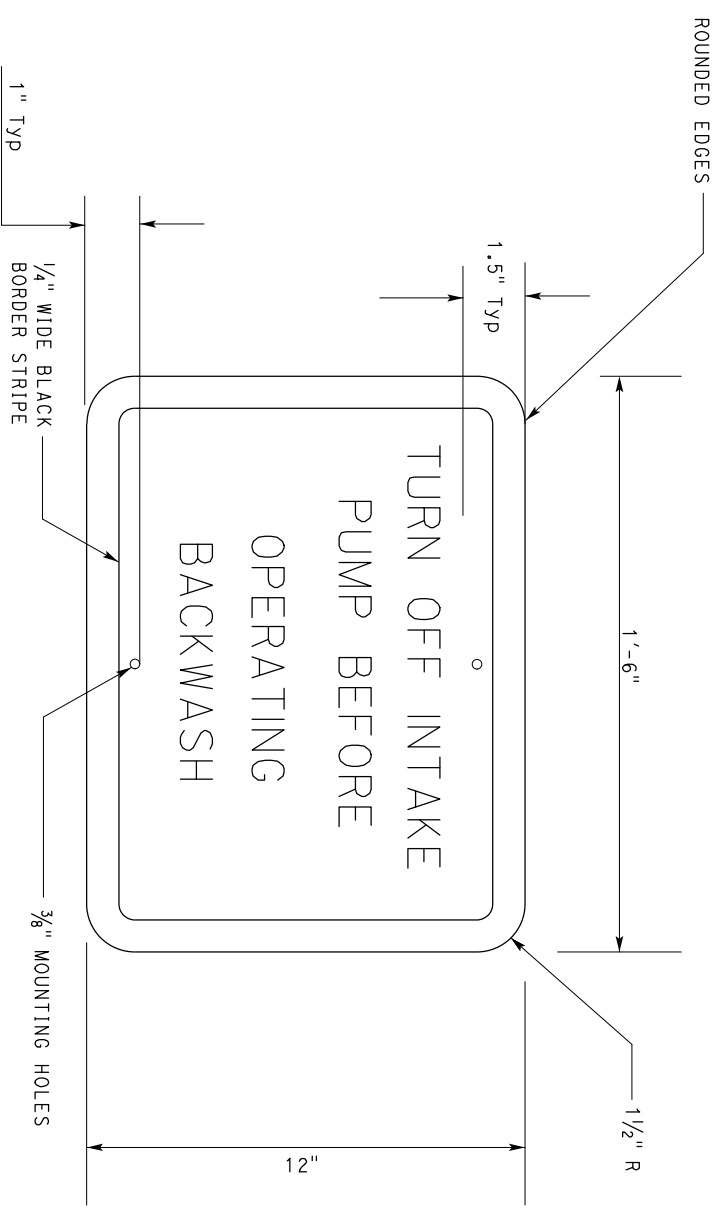
PLANS APPROVAL DATE: 03-18-22
 DATE: 03-18-22

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

Kosha K. Shah
REGISTERED CIVIL ENGINEER DATE 03-18-22
No. C 73864
Exp. 6/30/23
STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER
CIVIL

PLANS APPROVAL DATE _____
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NOTES:

- All tactile characters must be black on white background.
- All tactile characters must be uppercase sans serif raised $\frac{1}{32}$ " minimum, with a width to height ratio between 3:5 and 1:1 and a stroke width to height ratio between 1:5 and 1:10.

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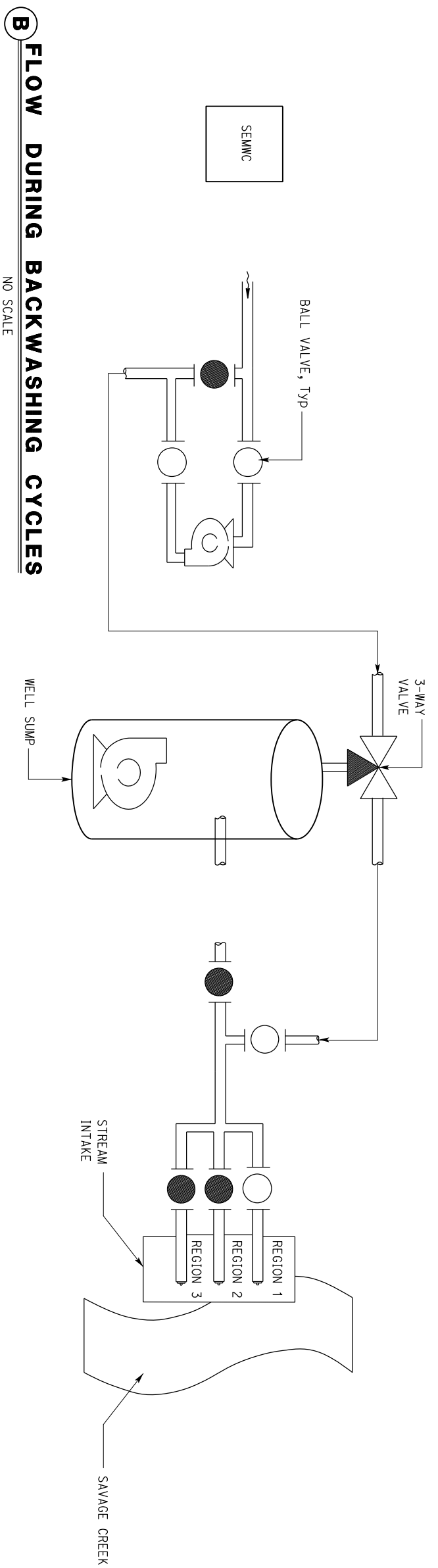
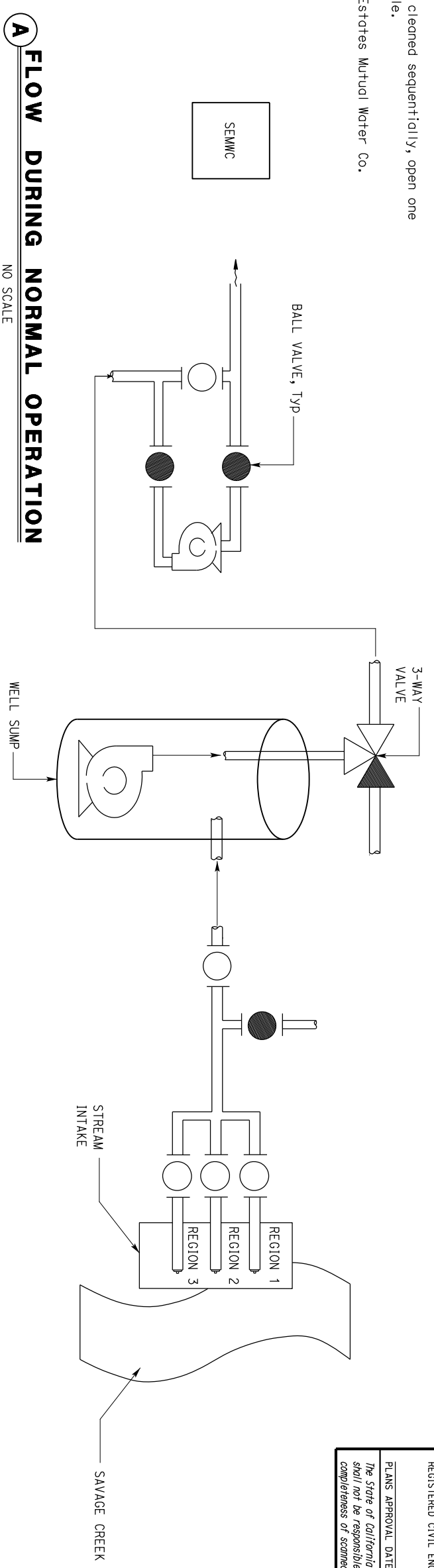
DESIGN BY LAURA MAHONEY	CHECKED BY ANDY QUAN	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 04R001 L	SAVAGE CREEK INTAKE UPGRADE	SHEET W-13
DETAILS BY KOMEYLA AMINI	CHECKED BY ANDY QUAN	DEPARTMENT OF TRANSPORTATION	ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE R103.39/R103.67		
QUANTITIES BY LAURA MAHONEY	CHECKED BY ANDY QUAN			DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION SHEET OF
				UNIT: 3616 CONTRACT NO.: 01-0J3604	08-21-21	V1
				PROJECT NUMBER & PHASE: 01190000121		

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	101	R103.39/R103.67		

KOSHA K. SHAH
 REGISTERED CIVIL ENGINEER
 No. C 13864
 Exp. 6/30/23
 STATE OF CALIFORNIA
 REGISTERED PROFESSIONAL ENGINEER

PLANS APPROVAL DATE: 03-18-22
 DATE: 03-18-22
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- NOTES:**
- Regions must be cleaned sequentially, open one per cleaning cycle.
 - SEMMC= Sedwood Estates Mutual Water Co.



- LEGENDS:**
- VALVE CLOSED
 - VALVE OPEN

APPROVED FOR WATER WORK ONLY

INTERCONNECTION DIAGRAM
NO SCALE

DESIGN BY LAURA MAHONEY	CHECKED BY ANDY QUAN	BRIDGE NO. 04R001 L	SAVAGE CREEK INTAKE UPGRADE	SHEET W-14 OF
DETAILS BY KOMEYLA AMINI	CHECKED BY ANDY QUAN	POST MILE R103.39/ R103.87		
QUANTITIES BY LAURA MAHONEY	CHECKED BY ANDY QUAN	UNIT: 3616 CONTRACT NO.: 01-0J3604	INTERCONNECTION DIAGRAM	REVISION DATES (PRELIMINARY STAGE ONLY) 8/27/21
		PROJECT NUMBER & PHASE: 01190000121		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3		DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISED BY: [Signature]	
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	INTERCONNECTION DIAGRAM	
TAMMWW Imperial - CGSC Rev. 12/20		P:\dist_01\01190000121_Savage Creek Intake\ww\Working\Dist\wings\Savage Creek-New Border\w_14_Interconnection_Diagram.dgn		