

HUMBOLDT TRANSIT AUTHORITY

FUELING FACILITY PROJECT

EUREKA, CALIFORNIA

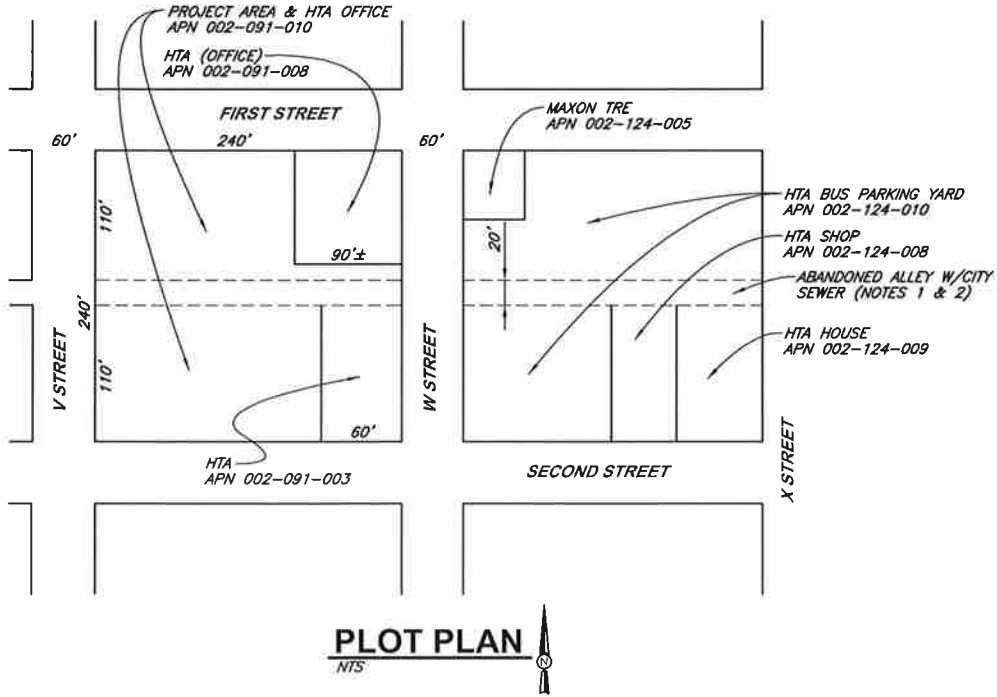
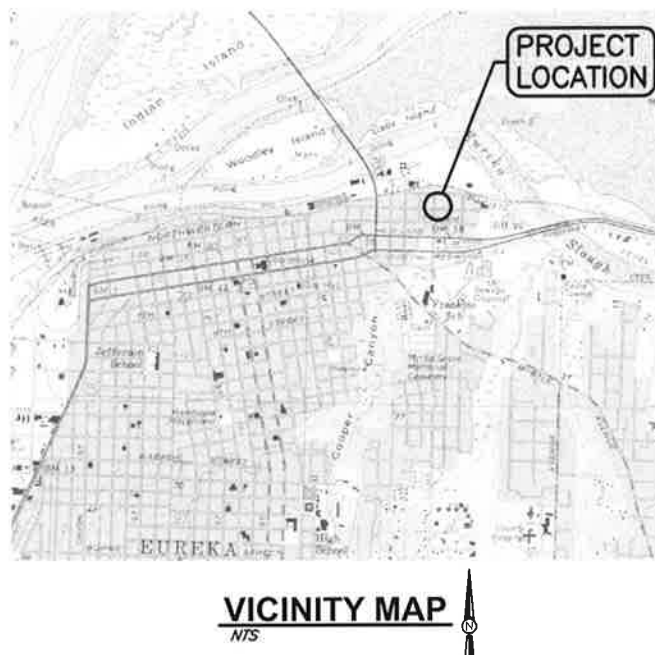


PREPARED BY:
SH
FEBRUARY 2015

APPROVALS

GREG PRATT
HUMBOLDT TRANSIT AUTHORITY
GENERAL MANAGER
DATE

JARED S. O'BARR
SHN CONSULTING ENGINEERS & GEOLOGISTS, INC.
PROJECT ENGINEER
DATE



SHT	DWG	TITLE
1	G-1	COVER
2	G-2	STANDARD ABBREVIATIONS AND LEGENDS
3	C-1	DEMOLITION & EROSION CONTROL PLAN
4	C-2	SITE PLAN
5	C-3	SECTIONS
6	C-4	FUELING SYSTEM PIPING SCHEMATIC
7	C-5	DETAILS
8	C-6	DETAILS
9	C-7	PARKING PLAN
10	E-1	ELECTRICAL SITE PLAN AND DIAGRAMS

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DESIGN JSO/PB
CHECK DR
APPROVE CHK MEL
PROJECT HUMBOLDT TRANSIT AUTHORITY
FUELING FACILITY PROJECT
133 V ST (APN 002-091-008) EUREKA, CALIFORNIA

COVER

REGISTERED PROFESSIONAL ENGINEER
JARED S. O'BARR
No. 76125
CIVIL
STATE OF CALIFORNIA

SHEET
G-1
SEQ 1
DATE 2/2015
PROJ. NO. 014004.100

SAVED: 3/2/2015 10:20 AM NDOWNEY, PLOTTED: 3/2/2015 10:20 AM NATHAN DOWNEY
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ABBREVIATIONS	
A	ABANDON
ABN	ACRYLONITRILE-BUTADIENE-STYRENE
AB	ANCHOR BOLT, AGGREGATE BASE
AC	ASPHALTIC CONCRETE
ACP	ASBESTOS CEMENT PIPE
ACI	AMERICAN CONCRETE INSTITUTE
ADJ	ADJUSTABLE
AGGR	AGGREGATE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AL	ALUMINUM
ALT	ALTERNATE
AP	ANGLE POINT
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS
AUTO	AUTOMATIC
AUX	AUXILIARY
AT	AT
B	BEGIN CURVE
BC	BEGIN CURB RETURN
BD	BOARD
BF	BLIND FLANGE
BFV	BUTTERFLY VALVE
BK	BOOK OR BACK
BLDG	BUILDING
BM	BENCH MARK, BEAM
BMP	BEST MANAGEMENT PRACTICE
BO	BLOW OFF
BD	BOTTOM
BRG	BEARING
BTWN	BETWEEN
BV	BALL VALVE
BVC	BEGINNING OF VERTICAL CURVE
BW	BACK OF WALK
BWV	BACKWATER VALVE
C	CHANNEL (STRUCTURAL SHAPE)
CARV	COMBINATION AIR AND VACUUM RELEASE VALVE
CATV	CABLE TELEVISION
CB	CATCH BASIN
CEIL	CEILING
CFM	CUBIC FEET PER MINUTE
CFM	CUBIC FEET PER SECOND
CH	CHEMICAL
CI	CAST IRON
CIP	CAST IRON PIPE
C.I.P.	CAST IN PLACE
CJ	CONSTRUCTION JOINT
CLR	CLEAR
CL	CENTERLINE
CMU	CORRUGATED METAL PIPE
CTSK	CONCRETE MASONRY UNIT
CO	COUNTERSINK
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS OR CONTINUED
COORD	COORDINATE
CPLS	COUPLING
CRS	COLD ROLLED STEEL
CTR	CENTER
CTS	COPPER TUBE SIZE
CU	CUBIC FEET
CU FT	CUBIC FEET
CV	CHECK VALVE
CW	COLD WATER
CY	CUBIC YARD
D	DEGREE (ANGLE)
d	PENNY (NAIL SIZE)
D	STORM DRAIN
DBL	DISTRIBUTION BOX
DF	DOUBLE
DI	DOUGLAS FIR
DI	DROP INLET OR DUCTILE IRON
DIA	DIAMETER
DIM	DIAGONAL
DIM	DIMENSION
DIMJ	DUCTILE IRON MECHANICAL JOINT
DIP	DUCTILE IRON PIPE
DET	DETAIL
DWG	DRAWING
DW	DRIVEWAY
E	EXISTING
(E)	EASTING OR EAST
EA	EACH
EC	END CURVE
ECR	END CURB RETURN
EF	EACH FACE
EFL	EFFLUENT
EG	EXISTING GRADE/GROUND
EL	ELBOW
ELEC	ELECTRIC OR ELECTRICAL
ELEV	ELEVATION
ENGR	ENGINEER
EP	EDGE OF PAVING
EQ	EQUAL
EQUIP	EQUIPMENT
ER	EDGE OF ROAD
EVC	END OF VERTICAL CURVE
EW	EACH WAY
EW	EACH WAY, EACH FACE
EXC	EXCAVATE
EXP	EXPOSED OR EXPANSION
EXP JT	EXPANSION JOINT
EXT	EXISTING
EXT	EXTERIOR
F	FLANGE
FC	FLEXIBLE COUPLING
FCA	OR FACE OF CURB
FD	FLANGED COUPLING ADAPTER
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FF	FINISH FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
FIG	FIGURE
FIN	FINISH
FI	FEMALE IRON PIPE
FL	FLOW LINE
FLG	FLANGE
FLR	FLOOR
FLTR	FILTER
FO	FIBER OPTIC
FOC	FACE OF CONCRETE
FT	FOOT OR FEET
FT ²	SQUARE FEET
FT ³	CUBIC FEET
FTG	FOOTING
FUT	FUTURE
G	GAS
GA	GAGE
GALV	GALVANIZED
GIP	GALVANIZED IRON PIPE
GM	GAS METER
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GRD	GRADE OR GROUND
GSP	GALVANIZED STEEL PIPE
GV	GATE VALVE
GYP	GYPSON
H	HOSE BIBB
HDP	HIGH DENSITY POLYETHYLENE
HDR	HEADER
HDW	HARDWARE
HMA	HOT MIX ASPHALT
HOR	HORIZONTAL
HP	HORSEPOWER, HIGH POINT
HR	HOUR
HT	HEIGHT
HW	HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
I	INSIDE DIAMETER
IN	INCH
INFL	INFLUENT
INSUL	INSULATE OR INSULATION
INT	INTERIOR
INV	INVERT
IPS	IRON PIPE SIZE
J	JOINT
JP	JOINT POLE
K	THOUSAND POUNDS
KIP	KILOWATT
KW	
L	ANGLE (DEGREES)
L	ANGLE (STRUCTURAL SHAPE)
LAT	LATERAL
LB	POUND
LF	LINEAR FEET
LG	LONG
LH	LEFT HAND
LONG	LONGITUDINAL
LP	LOW POINT
LPG	LIQUIFIED PETROLEUM GAS
LRP	LEGALLY RESPONSIBLE PARTY
LR	LONG RADIUS
LT	LEFT
LVC	LENGTH OF VERTICAL CURVE
M	MATERIAL
MATL	MAXIMUM
MAX	MECHANICAL
MECH	MEGA-FLANGE PIPE JOINT
MF	MANUFACTURER
MFR	MILLION GALLONS PER DAY
MGD	MANHOLE
MH	MINIMUM OR MINUTE
MIN	MALE IRON PIPE
MIP	MISCELLANEOUS
MISC	MECHANICAL JOINT
MJ	MALE NATIONAL PIPE THREAD
MNPT	METAL
MTL	MAXIMUM WATER SURFACE
MWS	
N	NEW
(N)	NORTHING OR NORTH
N	NORMALLY CLOSED
NC	NOT IN CONTRACT
NIC	NON-FREEZE
NF	NUMBER OR NORMALLY OPEN
NO	NOMINAL
NOM	NOMINAL
NP	NEW PAVEMENT
NPT	NATIONAL PIPE THREAD
NPT	NOT TO SCALE
#	NUMBER
O	ON CENTER
OC	OUTSIDE DIAMETER
OD	ORIGINAL GROUND
OG	OVERFLOW
OVFL	OUNCE
OZ	OVERHEAD
OH	
P	POINT OF CURVE
PC	PORTLAND CEMENT CONCRETE
PCC	POUNDS PER CUBIC FOOT
PCF	PLAIN END
PE	PERFORATED
PERF	POLYETHYLENE PIPE
PEP	POINT OF INTERSECTION
PI	PLATE
PL	PROPERTY LINE
PLCS	PLACES
PLYWD	PLYWOOD
PMP	PERFORATED METAL PIPE
PMP	POINT ON CURVE
POT	POINT OF TANGENT
PP	POWER POLE
PRC	POINT OF REVERSE CURVE
PRC	PREFABRICATED
PREFAB	PRELIMINARY
PRELIM	PRESSURE
PRESS	PROPERTY
PROP	POUNDS PER SQUARE FOOT
PSF	POUNDS PER SQUARE INCH
PSI	POUNDS PER SQUARE INCH, GAUGE
PSIG	POINT OF TANGENCY, POINT
PT	PUBLIC UTILITY EASEMENT
PUE	PULL VALVE
PV	POLYVINYL CHLORIDE PLASTIC
PVC	POINT OF VERTICAL INTERSECTION
PVI	PAVEMENT
PVMT	
Q	QUANTITY
QTY	

CURVE DATA

R (RADIUS)
L (LENGTH)
Δ (DELTA)
T (TANGENT)

UTILITIES LEGEND

PROPOSED EXISTING

⬅	⬅	GATE VALVE
⬅	⬅	PLUG VALVE
⬅	⬅	BALL VALVE
⬅	⬅	BUTTERFLY VALVE
⬅	⬅	AUTOMATICALLY OPERATED VALVE (P= PNEUMATIC, E= ELECTRIC, S= SOLENOID, H= HYDRAULIC, D= DIAPHRAGM ACTUATOR)
⬅	⬅	3-WAY VALVE
⬅	⬅	GLOBE VALVE
⬅	⬅	ANGLE VALVE
⬅	⬅	PRESSURE REGULATING VALVE
⬅	⬅	PRESSURE RELIEF VALVE
⬅	⬅	CHECK VALVE
⬅	⬅	AIR OR VACUUM RELEASE VALVE
⬅	⬅	AIR AND VACUUM VALVE
⬅	⬅	COMBINATION AIR VALVE
⬅	⬅	FLOW METER
⬅	⬅	HOSE BIBB (NF= NON-FREEZE)
⬅	⬅	REDUCER
⬅	⬅	FIRE HYDRANT
⬅	⬅	DROP INLET
⬅	⬅	MANHOLE
⬅	⬅	SEWER CLEAN OUT OR SEWER LATERAL
⬅	⬅	UNDERGROUND ELECTRICAL
⬅	⬅	OVERHEAD ELECTRICAL
⬅	⬅	FIBER OPTIC LINE
⬅	⬅	CABLE TELEVISION
⬅	⬅	JOINT UTILITIES
⬅	⬅	UNDERGROUND TELEMETRY LINE
⬅	⬅	OVERHEAD TELEMETRY LINE
⬅	⬅	UNDERGROUND TELEPHONE LINE
⬅	⬅	OVERHEAD TELEPHONE LINE
⬅	⬅	FIRE WATER LINE
⬅	⬅	STEAM LINE
⬅	⬅	WATER LINE
⬅	⬅	SANITARY SEWER LINE
⬅	⬅	STORM DRAIN LINE
⬅	⬅	GAS LINE
⬅	⬅	FORCE MAIN AND DIRECTION OF FLOW
⬅	⬅	CULVERT
⬅	⬅	POLE MOUNTED ROADWAY LUMINAIRE
⬅	⬅	ITEM TO BE REMOVED
⬅	⬅	ITEM TO BE ABANDONED IN PLACE
⬅	⬅	WATER SERVICE- WM-1= SINGLE WM-2= DUAL
⬅	⬅	PULL BOX AND DESIGNATION
⬅	⬅	SIGN AND DESIGNATION

NOTES

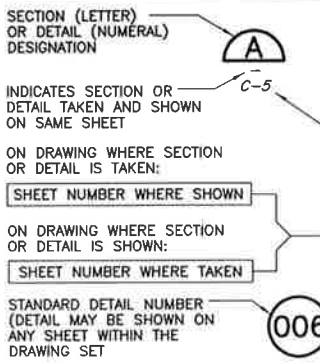
- CONTACT THE ENGINEER FOR SYMBOLS NOT LISTED.
- THIS IS A STANDARD SHEET, THEREFORE, SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET WHICH DO NOT APPEAR ON THE PLANS.
- SITE AND UTILITY SYMBOLS SHOWN ON THIS SHEET ARE NOT INTENDED TO REPRESENT THE PHYSICAL SCALE OR SHAPE OF ANY ITEMS. WHERE LARGE-SCALE PLANS ARE PRESENTED, THE SYMBOLS SHOWN HEREON MAY BE REPLACED BY DETAILS MORE SUITED TO THE DRAWING SCALE.

TOPOGRAPHIC LEGEND

PROPOSED EXISTING

⬅	⬅	P.I. (POINT OF INTERSECTION)
⬅	⬅	TEMPORARY BENCH MARK
⬅	⬅	FINISH GRADE ELEVATION
⬅	⬅	ELEVATION OF ORIGINAL GROUND
⬅	⬅	RADIAL POINT
⬅	⬅	FLOW LINE AND DIRECTION
⬅	⬅	TOP OF CUT
⬅	⬅	TOP OF FILL
⬅	⬅	TOE OF CUT OR FILL
⬅	⬅	CONTOUR LINE
⬅	⬅	CONCRETE (IN PLAN)
⬅	⬅	CONCRETE (IN SECTION)
⬅	⬅	PAVEMENT
⬅	⬅	ROCKS
⬅	⬅	STUMPS
⬅	⬅	TREES
⬅	⬅	ROADS
⬅	⬅	UTILITY POLE (PP=POWER POLE, TP= TEL POLE, JP=JOINT POLE)
⬅	⬅	GUY WIRE
⬅	⬅	FENCE
⬅	⬅	BOUNDARY LIMITS, W/DESIGNATION
⬅	⬅	CENTERLINE
⬅	⬅	MARSH
⬅	⬅	WETLAND
⬅	⬅	SPRING
⬅	⬅	TEST PIT AND DESIGNATION
⬅	⬅	EXPLORATION BORE HOLE
⬅	⬅	PROPERTY CORNER
⬅	⬅	SURVEY MONUMENT
⬅	⬅	CONTROL POINT
⬅	⬅	DRIVEWAY

DETAIL AND SECTION DESIGNATION



VERIFY SCALES

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NO.

DSGN JSD/PB

DR CON

CHK MEL

APVD

HUMBOLDT TRANSIT AUTHORITY
FUELING FACILITY PROJECT
133 V ST (APN 002-091-008) EUREKA, CALIFORNIA

STANDARD ABBREVIATIONS AND LEGENDS

SHEET

G-2

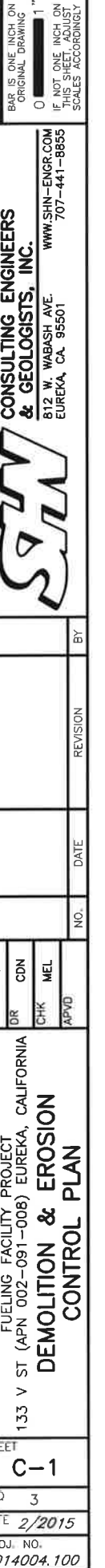
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DATE 2/2015

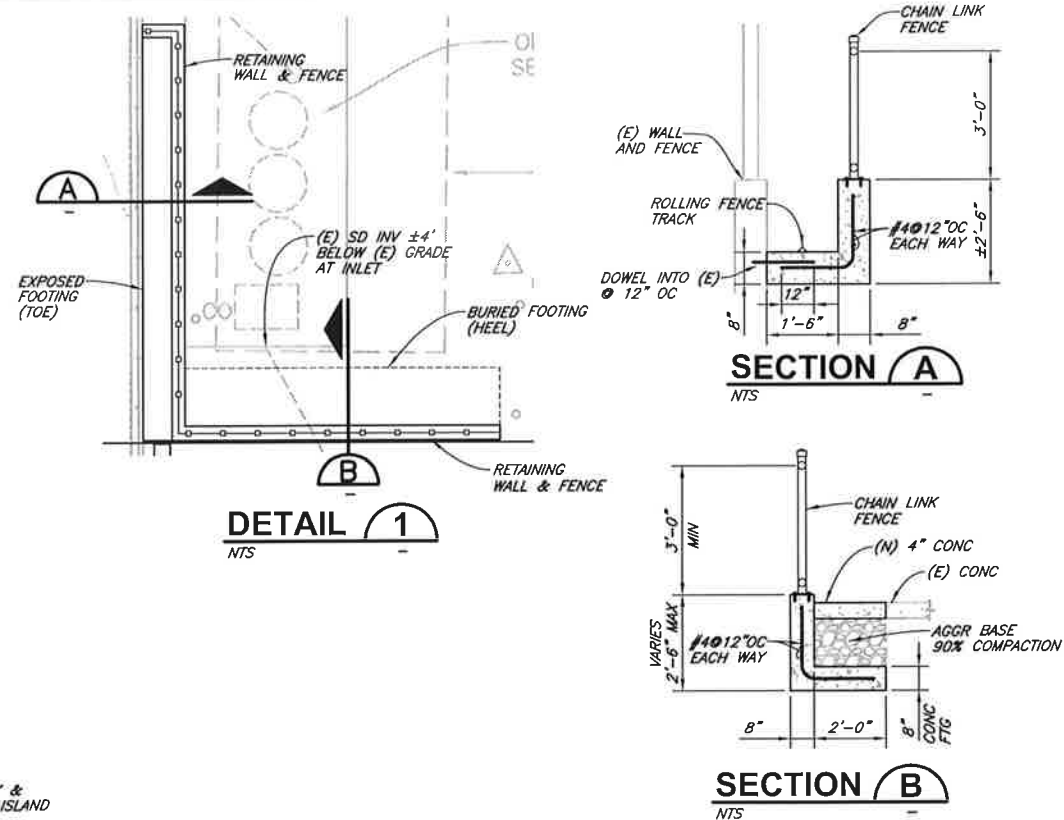
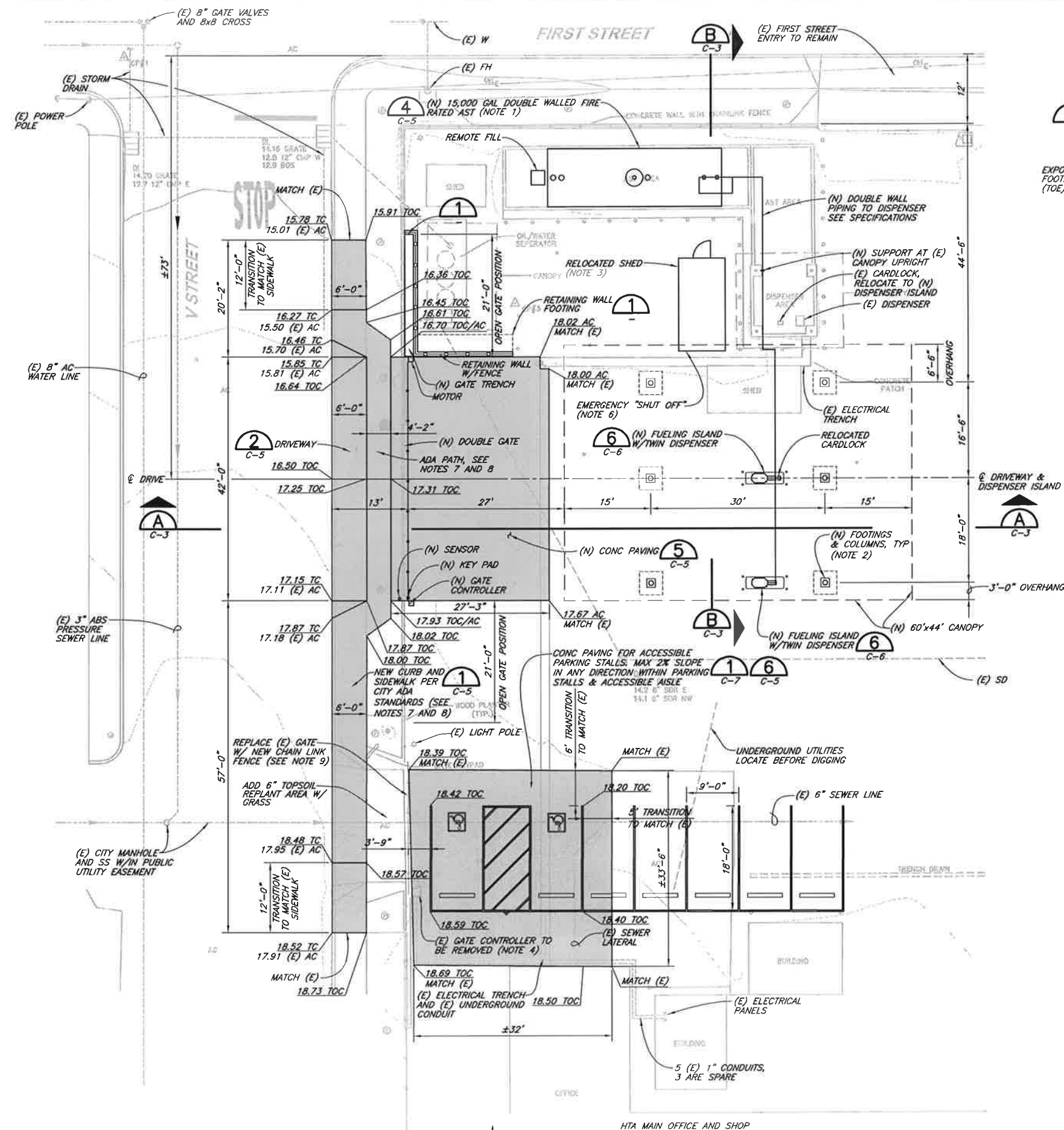
PROJ. NO. 014004.100



1. CONTRACTOR TO OBTAIN ENCROACHMENT PERMIT FROM THE CITY OF EUREKA PRIOR TO WORKING IN THE SIDEWALK AND STREET AREAS.
2. CONTRACTOR TO SAW CUT EXISTING CONCRETE SLAB, AND EXCAVATE FOR NEW ABOVEGROUND STORAGE TANK (AST) FOOTINGS (SEE SPECIFICATIONS). AST SUPPLIER TO PROVIDE DESIGN AND CALCULATIONS COMPLETED BY A LICENSED ENGINEER WHO IS REGISTERED IN THE STATE OF CALIFORNIA.
3. CONTRACTOR TO SAW CUT EXISTING SLAB TO FULL DEPTH (6 PLACES), AND EXCAVATE FOR NEW CANOPY FOOTINGS (SEE SPECIFICATIONS). SIZE OF FOOTINGS TO BE DETERMINED BY CANOPY MANUFACTURER.
4. PRIOR TO RELOCATING ACCOUNTING SHED ELECTRICAL CABLES AND POWER WILL NEED TO BE DISCONNECTED AND EXTENDED, TO NEW LOCATION.
5. UNDERGROUND AIR AND WATER PIPING EXISTS OUT TO EXISTING DISPENSING AREA, BE EXTRA CAREFUL WHEN EXCAVATING OUT CANOPY FOOTINGS.
6. EXISTING DRAINAGE INLETS TO BE PROTECTED WITH APPROPRIATE BMP'S DURING DEMOLITION AND CONSTRUCTION ACTIVITIES.
7. DEMOLITION CONSISTS OF REMOVAL AND DISPOSAL OF EXISTING MATERIAL TO DEPTH REQUIRED TO CONSTRUCT NEW FACILITIES. CONTRACTOR SHALL SCARIFY AND RECOMPACT MIN 6" OF SUBGRADE MATERIALS TO MIN 90% RELATIVE COMPACTION.



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NOTES:

- HTA TO PURCHASE 15,000 GALLON DOUBLE WALL FIRE RATED AST. CONTRACTOR TO CONSTRUCT NEW FOOTINGS PER TANK MANUFACTURER ENGINEER APPROVED DRAWINGS; AND SET TANK (SEE SPECIFICATIONS).
- CONTRACTOR TO COORDINATE THE CONSTRUCTION OF CANOPY FOOTINGS WITH CANOPY MANUFACTURER.
- CONTRACTOR TO RELOCATE ACCOUNTING SHED, WHICH WILL INCLUDE INSTALLING ADDITIONAL ELECTRICAL CONDUIT AND WIRE, AND CONTROL CABLES TO NEW LOCATION.
- REMOVE EXISTING GATE, MOTOR AND CONTROL POWER. REUSE EXISTING CIRCUIT, AND RECONNECT NEW GATE MOTORS, KEY PAD, AND CONTROLS.
- PAINT CURB RED AT EACH SIDE OF NEW DRIVEWAY PER CITY REQUIREMENTS.
- SIGN AND EMERGENCY SHUT OFFS TO SAY "EMERGENCY SHUT OFF". ALSO POST EMERGENCY CONTACT LIST NEARBY.
- THE OWNER SHALL REQUEST A SIDEWALK SURVEY OF CONCRETE FORMS FROM THE CITY ENGINEERING DEPARTMENT PRIOR TO PLACING CONCRETE.
- CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY ENGINEERING DEPARTMENT BEFORE USING ANY EQUIPMENT OR BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY ON 1ST, 2ND, V OR W STREETS, INCLUDING SIDEWALKS. CONTRACTOR.
- NEW CHAIN LINK FENCE THAT IS REPLACING THE EXISTING GATE SHALL MATCH THE EXISTING FENCE AND HAVE REMOVABLE FENCE AND POSTS AS REQUIRED BY CITY TO ALLOW PUE ACCESS. THERE IS AN EXISTING KNOX BOX AT HTA GATE, COORDINATE WITH CITY STAFF.

SURVEY NOTES:

NOT ALL SYMBOLS ARE USED IN ALL DRAWINGS.
ELEVATIONS ARE BASED ON THE TOP OF CURB AT THE
SOUTHWEST CURB RETURN AT THE INTERSECTION OF 1ST AND V
STREETS (EL = 15.00').

PROJECT NORTH IS THE BACK OF WALK ON THE EAST SIDE OF V
STREET.

COORDINATES ARE BASED ON CONTROL POINTS #1 & #2, MAG
NAILS WITH SHINERS IN 1ST STREET AS SHOWN.

CP	NORTHING	EASTING	ELEVATION
#1	5000.00'	10000.00'	14.44'
#2	5004.46'	10206.73'	14.04'



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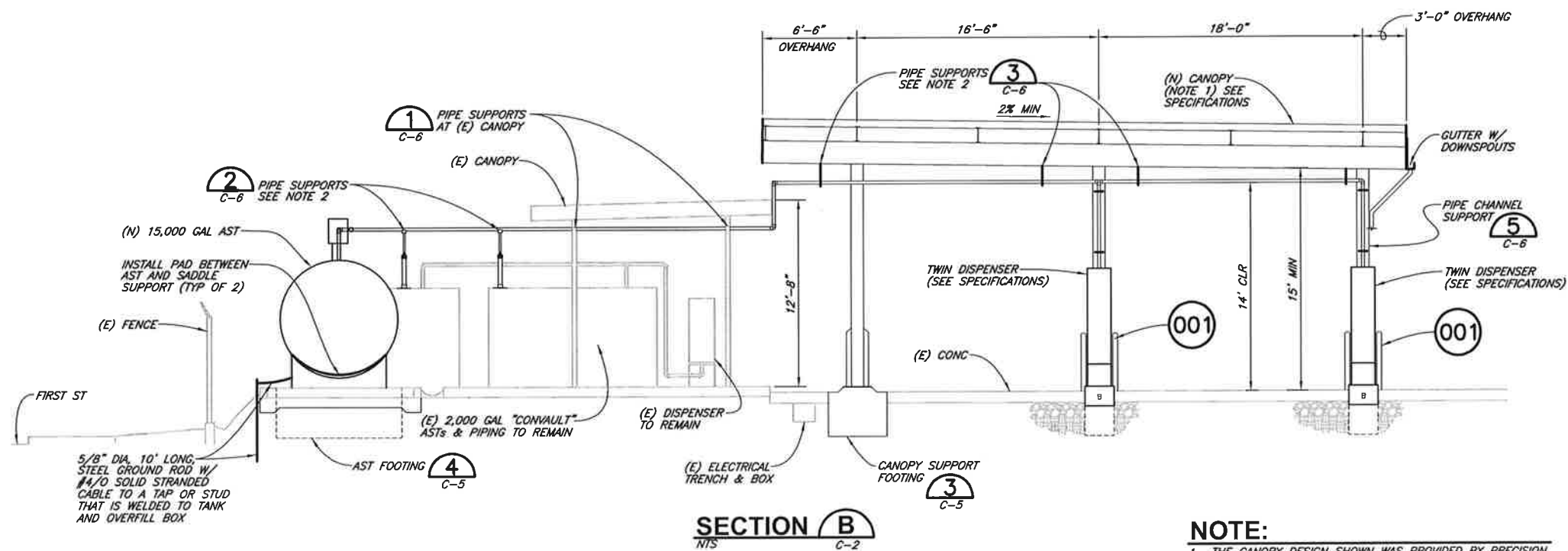
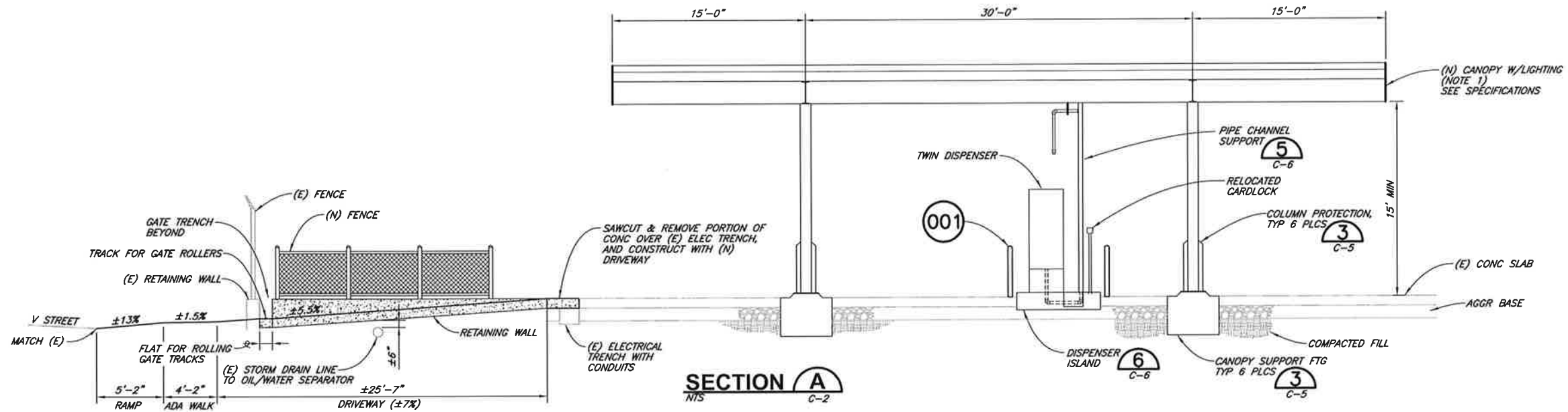
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DESIGN	JSO/PB	DR	CON	CHK	MEL	APVD	NO.	DATE	REVISION	BY
HUMBOLDT TRANSIT AUTHORITY FUELING FACILITY PROJECT 133 V ST (APN 002-091-008) EUREKA, CALIFORNIA										SHEET C-2
SEQ 4										DATE 2/2015
PROJ. NO. 014004.100										

SITE PLAN

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NOTE:

1. THE CANOPY DESIGN SHOWN WAS PROVIDED BY PRECISION CANOPY; CALL WES ROBISON (801) 391-2619. AN ALTERNATE "APPROVED EQUAL" MAY BE USED TO DESIGN AND CONSTRUCT THE CANOPY (SEE SPECIFICATIONS).
2. PIPE SUPPORTS SHALL BE INSTALLED AT SPACING SPECIFIED BY PIPE MANUFACTURER.



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SIN

BY

REVISION

DATE

NO.

DESIGN

OR

CHK

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APVD

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APVD

HUMBOLDT TRANSIT AUTHORITY
FUELING FACILITY PROJECT
133 V ST (APN 002-091-008) EUREKA, CALIFORNIA

SHEET
C-3

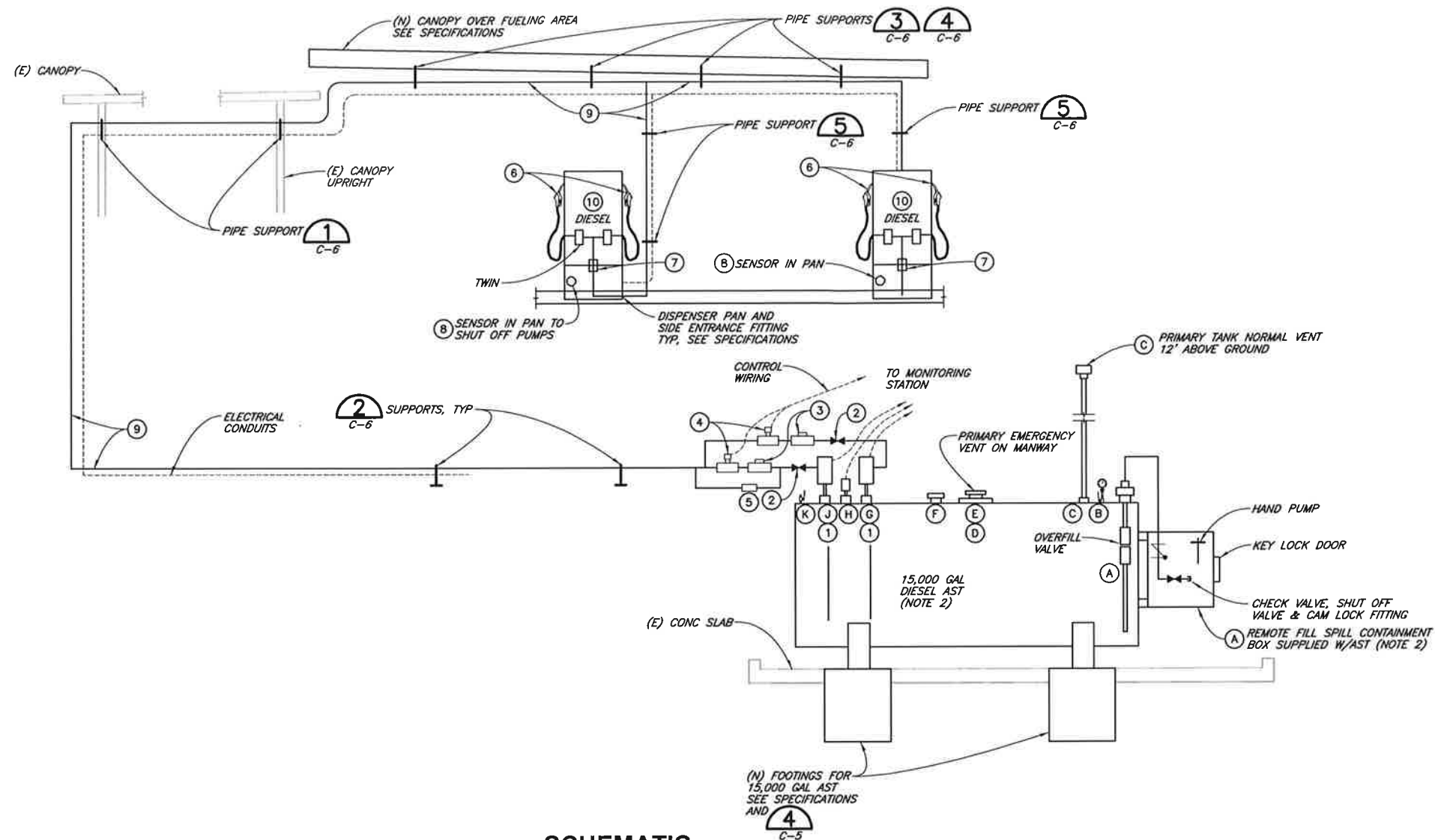
SEQ 5

DATE 2/2015

PROJ. NO.

014004.100

SAVED: 2/27/2015 10:46 AM JOBARR, PLOTTED: 2/27/2015 10:54 AM JARED O'BARR
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SCHEMATIC
NTS

PIPING & VALVE LEGEND

- ① 9000 SERIES MINI JET VARIABLE SPEED PUMP
- ② GATE VALVE AND OR CHECK VALVE
- ③ FIRE VALVE (EXTERNAL EMERGENCY VALVE)
- ④ SOLENOID VALVE
- ⑤ EXPANSION RELIEF VALVE
- ⑥ CURB HOSE, BREAKAWAY, SWIVEL, NOZZLE (TYP)
- ⑦ SHEAR VALVE
- ⑧ DISPENSER LEAK DETECTOR
- ⑨ DOUBLE WALL FUEL PIPING
- ⑩ DISPENSERS (3 ULTRA HIGH FLOW NOZZLES AND ONE HIGH FLOW NOZZLE)

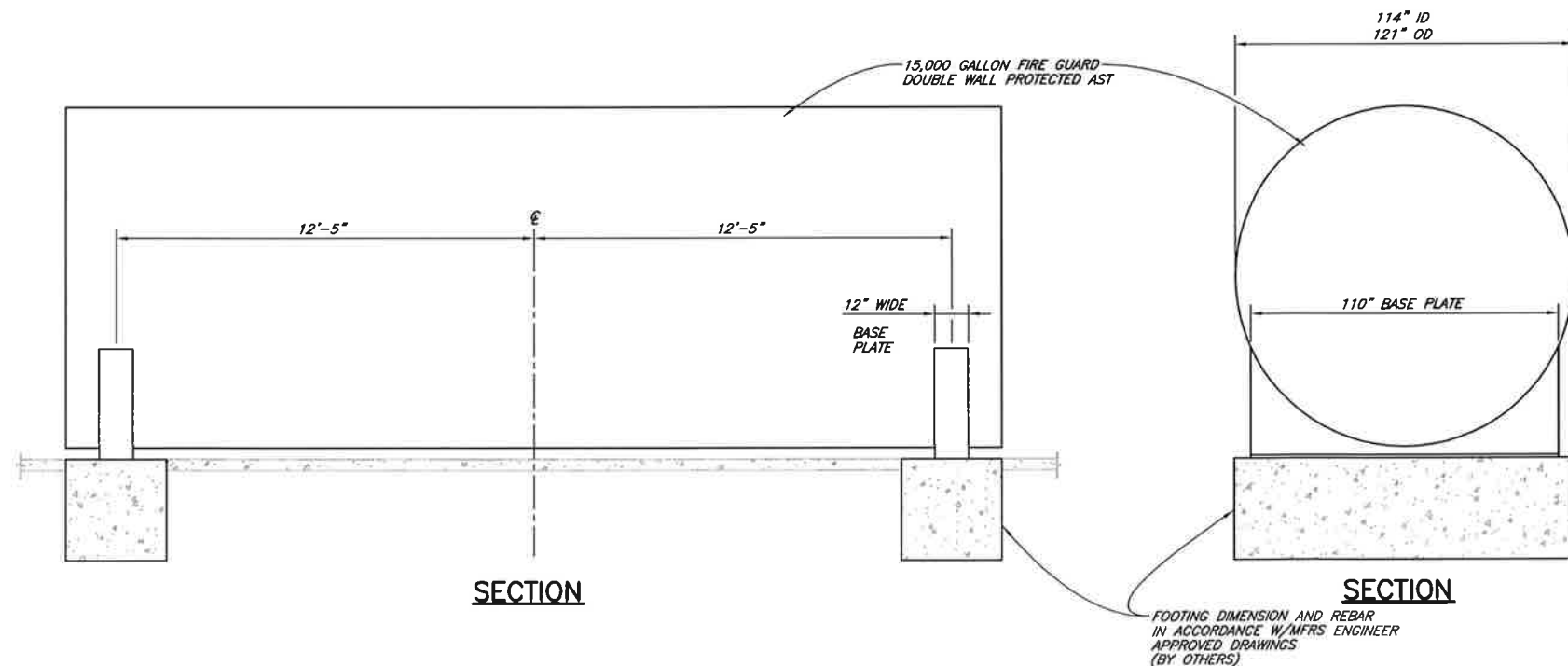
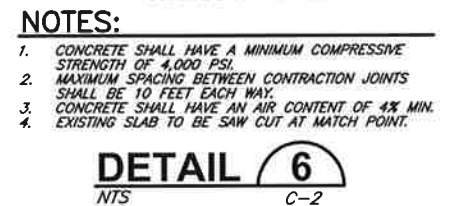
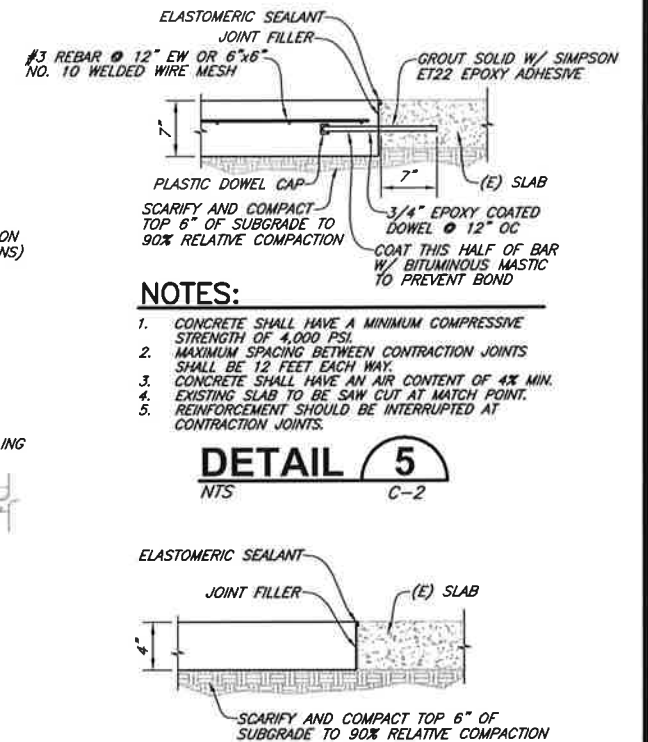
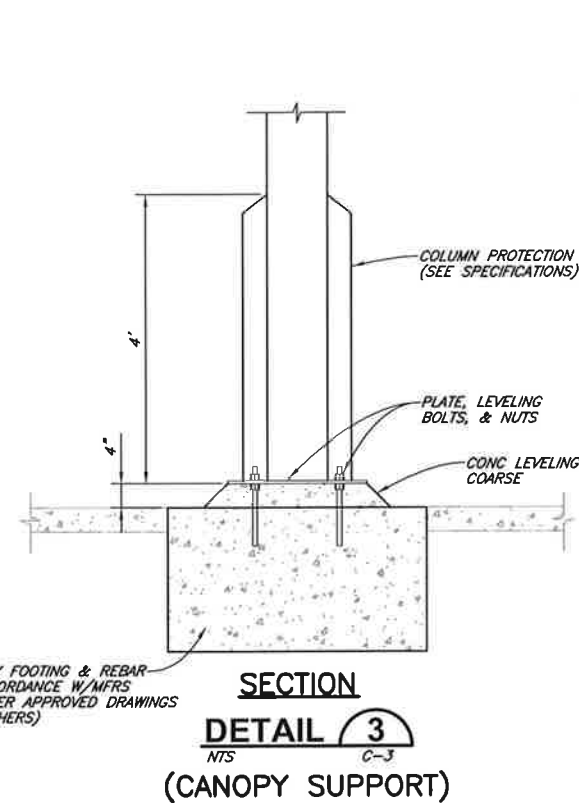
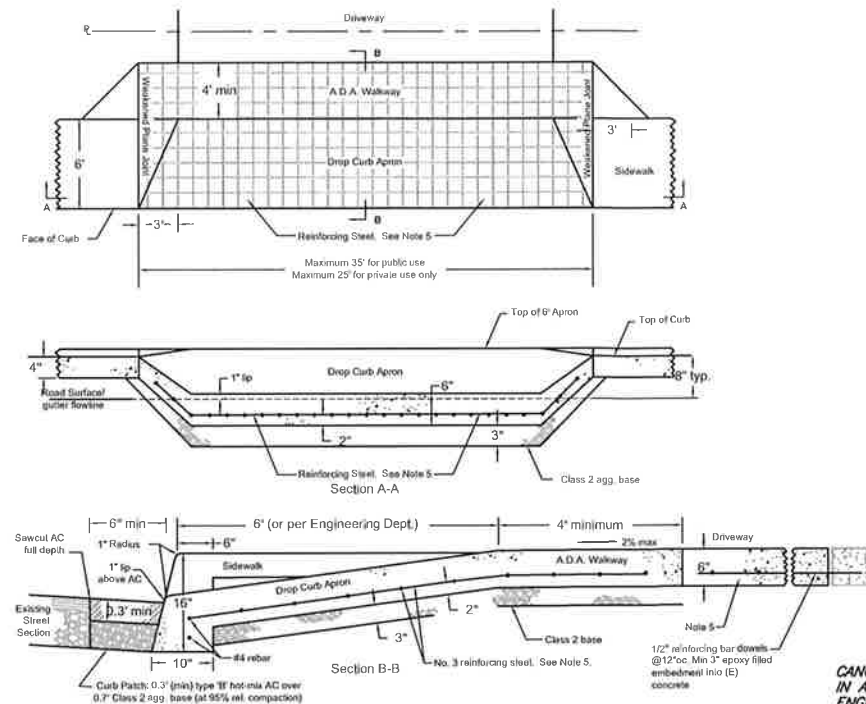
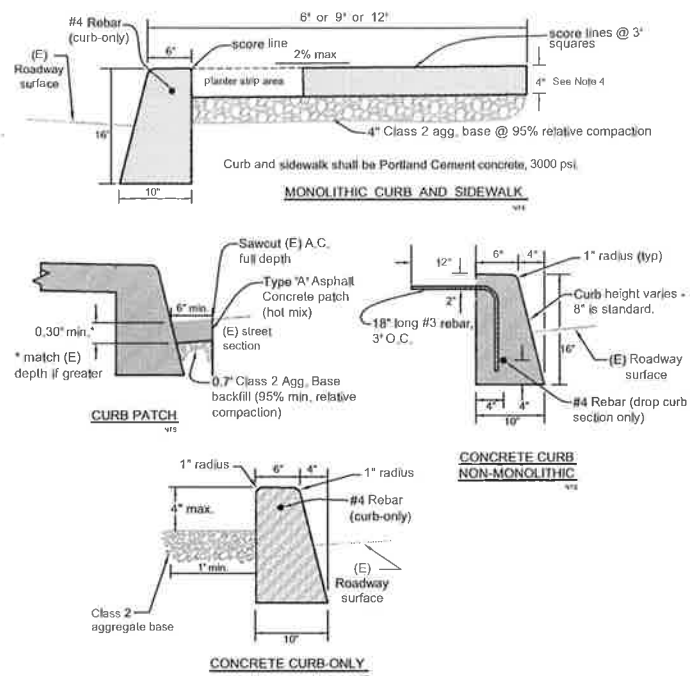
AST APPURTENANCE LEGEND

- (A) 6" FPT PORT-4" DROP TO OVERFILL VALVE & DROP TUBE 3" TO REMOTE FILL (SPILL CONTAINMENT BOX) ON AST
- (B) 4" FPT PORT-LEVEL GLOCK GAUGE
- (C) 4" FPT PORT, REDUCER FITTING-3" STEEL PIPE W/PRIMARY VENT CAP
- (D) 24" MANWAY AND COVER
- (E) 8" EMERGENCY VENT (PRIMARY TANK ON MANWAY)
- (F) 8" EMERGENCY VENT (SECONDARY TANK)
- (G) 4" FPT PORT MINI-JET PUMP
- (H) 4" FPT (INVENTORY)
- (J) 4" FPT PORT MINI-JET PUMP
- (K) 2" FPT INTERSTITIAL MONITORING PORT (CONNECT INTO MONITORING SYSTEM)

NOTES:

1. PRODUCT AND MODEL NUMBERS USED FOR DESIGN MAY BE SUBSTITUTED IF "APPROVED EQUAL". SEE SPECIFICATIONS.
2. THE 15,000 GALLON ABOVEGROUND STORAGE TANK (AST), WILL BE PURCHASED BY HTA, AND INSTALLED BY CONTRACTOR. THE AST TO BE SUPPLIED IS A MODERN WELDING FIREGUARD UL 2085 PROTECTED, DOUBLE WALL CYLINDRICAL STEEL TANK. CALL PME EQUIPMENT SALES RALPH E. QUINONES (510) 265-1289.
3. THE AST HARDWARE, PUMPS, PIPING, CONTROLS, AND VALVES WERE SELECTED BY FRANKLIN FUEL SYSTEMS, CALL MATT SCHUESLER (925) 785-2740.
4. THE DISPENSERS AND APPURTENANCES WERE SELECTED TO MATCH PUMPS AND PIPING. FOR WAYNE DISPENSING SYSTEMS, CALL THOMAS GLAHN (267) 664-2425.

SAVED: 2/27/2015 10:50 AM JOBARR PLOTTED: 2/27/2015 10:54 AM JARED O'BARR
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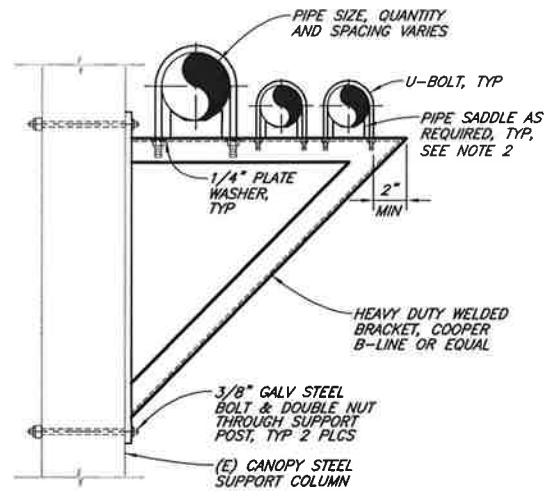


NOTE:
PRIME ENTIRE POST WITH 2 COATS EXTERIOR PRIMER. PAINT EXPOSED SURFACE WITH 2 COATS TRAFFIC YELLOW ENAMEL.

TYPE 1
GUARD POST 001
NTS

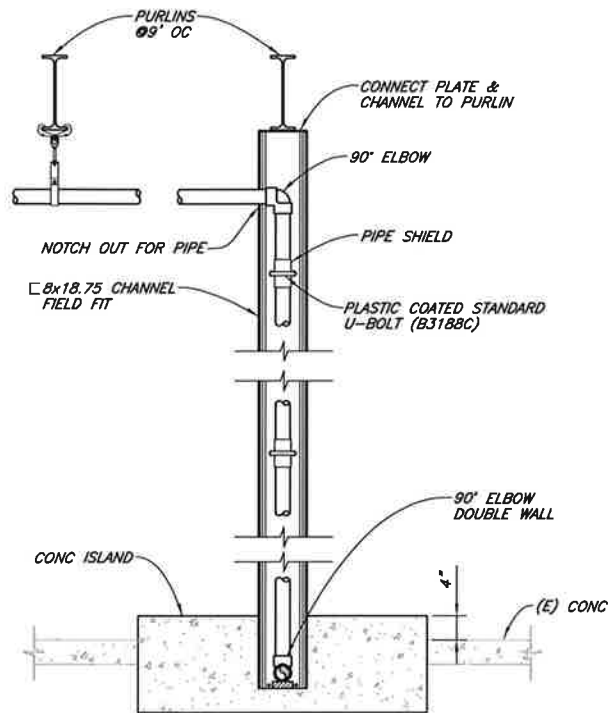


VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY				CONSULTING ENGINEERS & GEOLOGISTS, INC. 812 W. WABASH AVE. EUREKA, CA 95501 WWW.SHN-ENG.COM 707-441-8855			
DSGN	JSO/PB	DR	CON	CHK	MEL	APVD	
HUMBOLDT TRANSIT AUTHORITY FUELING FACILITY PROJECT				133 V ST (APN 002-091-008) EUREKA, CALIFORNIA			
SHEET				C-5			
SEQ				7			
DATE				2/2015			
PROJ. NO.				014004.100			

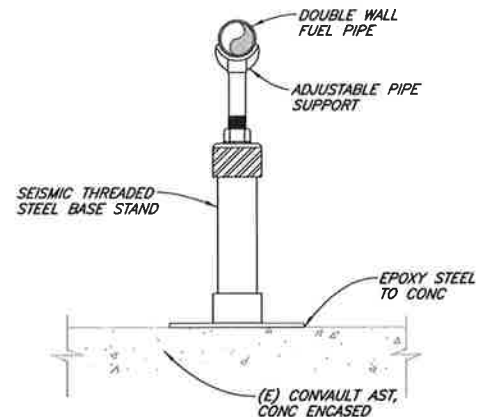


- NOTES:**
1. ANCHOR AND BRACKET MATERIALS SHALL BE IN ACCORDANCE WITH MATERIALS TABLE ON THE DRAWINGS AS SPECIFIED.
 2. PROVIDE TEFLON (PIFE) PIPE PROTECTION BARRIER AS SPECIFIED, OR PIPE SADDLE WHERE REQUIRED TO OFFSET PIPE CENTERLINE AT ELEVATION AS SHOWN ON DRAWINGS. SADDLE WITH U-BOLT SHALL BE COOPER B-LINE OR SIMILAR.

DETAIL 1
NTS C-3
(PIPE SUPPORT)



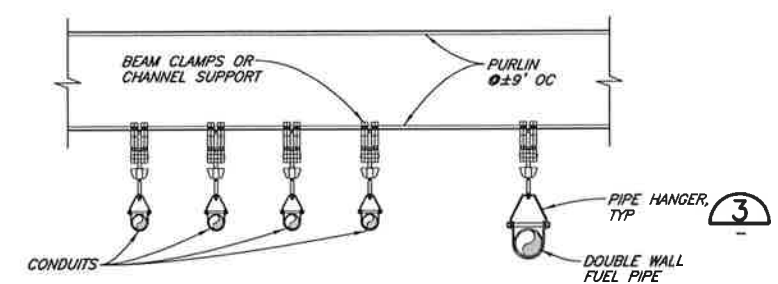
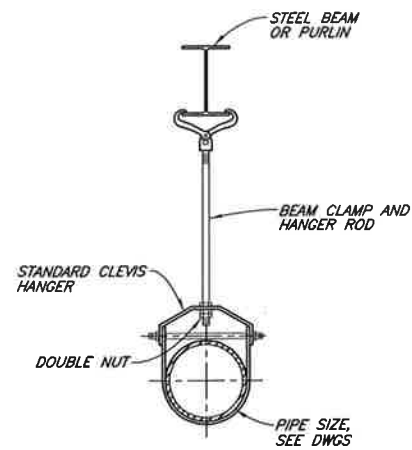
DETAIL 5
NTS C-3
(CHANNEL PIPE SUPPORT)



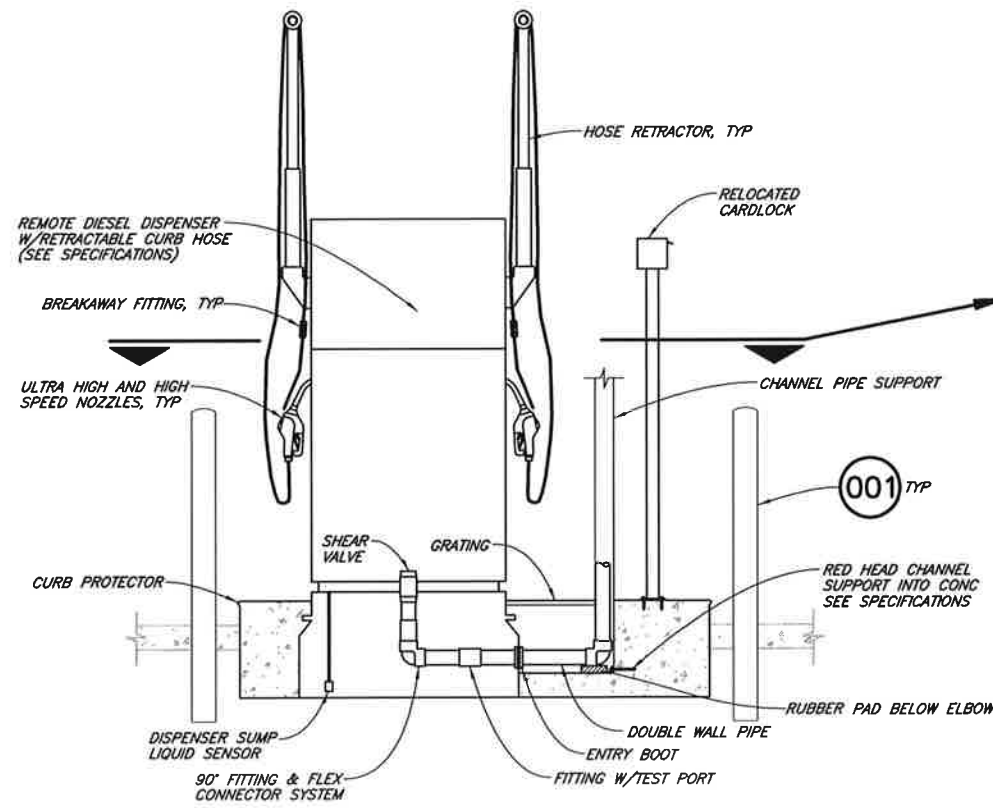
DETAIL 2
NTS C-3
(PIPE SUPPORT)

- NOTES:**
1. PROVIDE PIPE PROTECTION BARRIER AS SPECIFIED.
 2. MATERIALS SHALL BE IN ACCORDANCE WITH THE MECHANICAL MATERIALS TABLE ON THE CONTRACT DOCUMENTS.

DETAIL 3
NTS C-3
(PIPE HANGER)

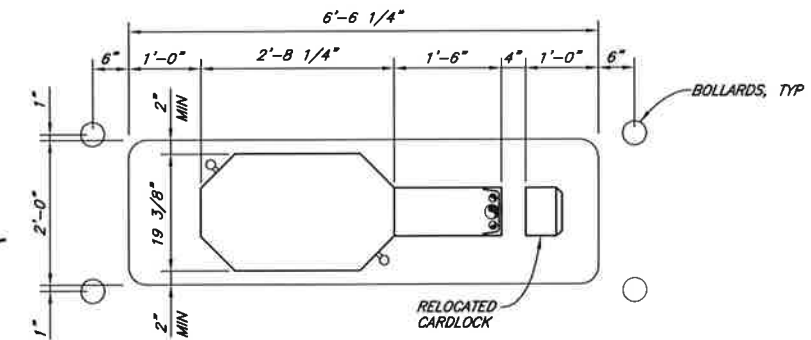


DETAIL 4
NTS C-3
(PIPE SUPPORT)



SECTION

DETAIL 6
NTS C-3
(DISPENSER ISLAND)



PLAN

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VERIFY SCALES
BAR IS ONE INCH ON
ORIGINAL DRAWING
IF NOT ONE INCH ON
THIS SHEET, ADJUST
SCALES ACCORDINGLY

CONSULTING ENGINEERS
& GEOLOGISTS, INC.
WWW.SIN-ENG.COM
812 W. WABASH AVE.
EUREKA, CA 95501

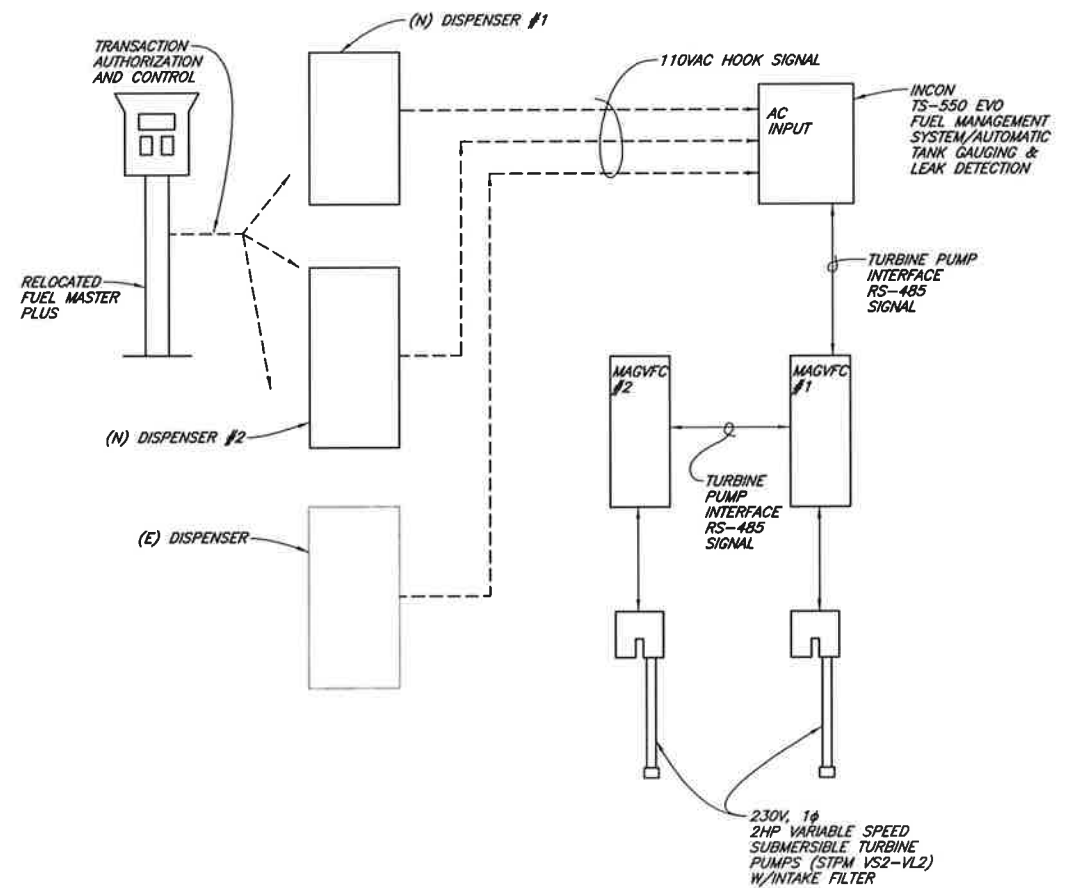
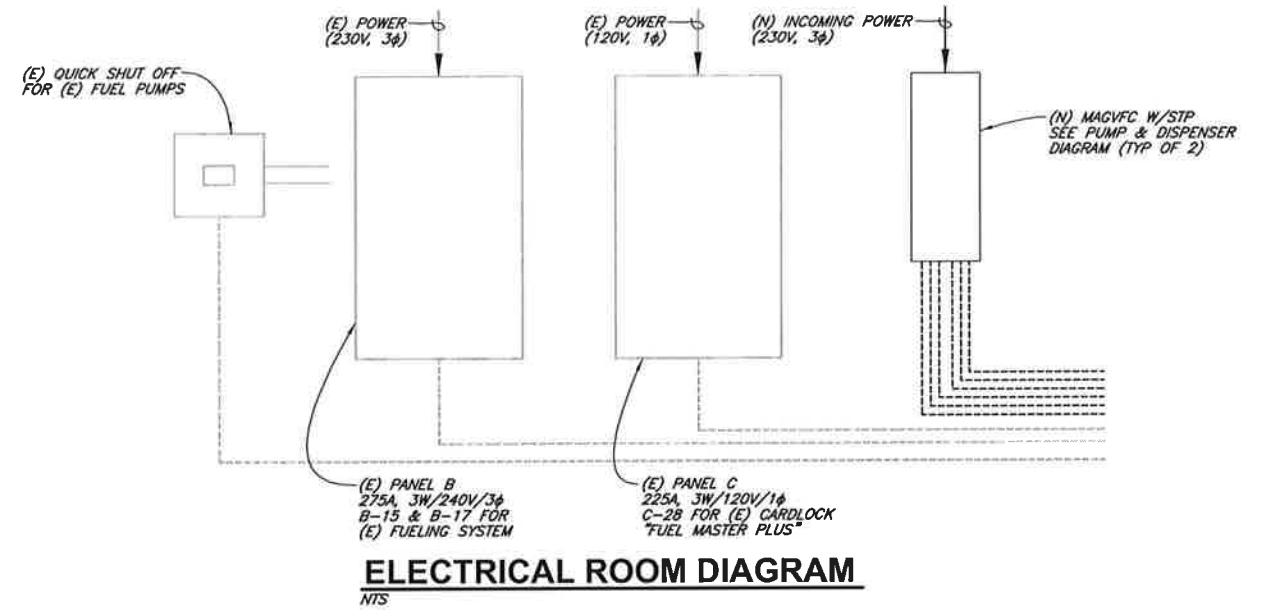
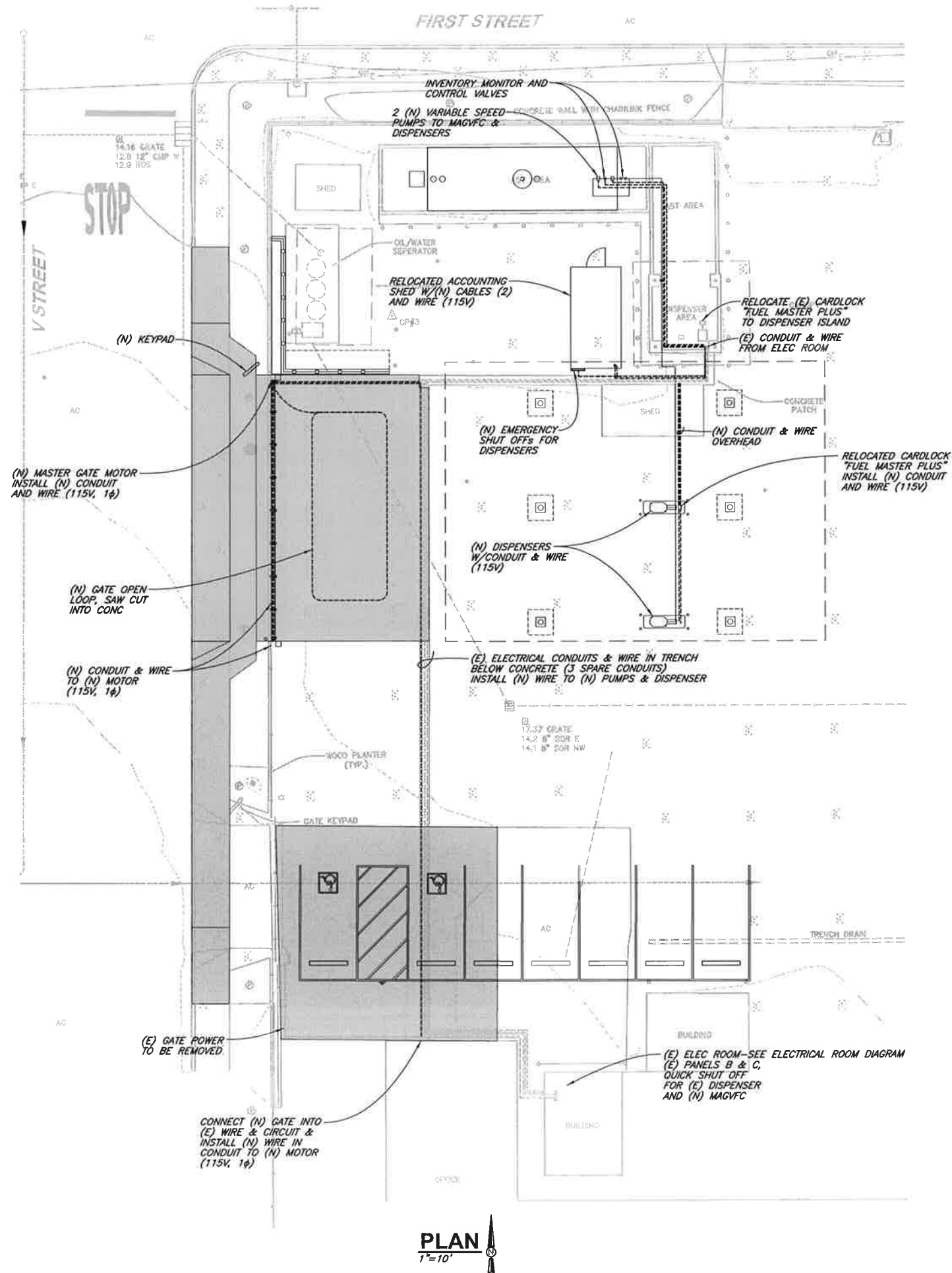
SEW

NO.	DATE	REVISION	BY

DESIGN	JSO/PB
DR	CDN
CHK	MEL
APVD	
SHEET	C-6
SEQ	8
DATE	2/2015
PROJ. NO.	014004.100

HUMBOLDT TRANSIT AUTHORITY
FUELING FACILITY PROJECT
133 V ST (APN 002-081-008) EUREKA, CALIFORNIA

DETAILS



NOTES:

1. SEE PRODUCT INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.
2. WIRING MUST CONFORM TO ALL FEDERAL, STATE, AND LOCAL CODES.
3. CONTROL PANELS ARE FOR NON-HAZARDOUS, INDOOR USE ONLY.
4. ELECTRICAL CONTRACTOR TO DESIGN/BUILD SYSTEM. SUBMIT ONE-LINE DIAGRAM FOR APPROVAL PRIOR TO CONSTRUCTION.