GENERAL NOTES:

- ALL WORK SHALL BE IN ACCORDANCE WITH COUNTY OF SAN BERNARDINO MUNICIPAL CODE, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK) LATEST EDITION, AND ALL SUPPLEMENTS. THE PRELIMINARY SOILS REPORT DATED AND ANY SPECIAL REQUIREMENTS OF THE PERMIT.
- 2. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OR OF THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE PROTECTION OF ALL UTILITIES WITHIN THE LIMITS OF THIS PROJECT.
- 3. DUST SHALL BE CONTROLLED BY WATERING.
- 4. FINISH GRADING WILL BE COMPLETED AND APPROVED BEFORE PLACEMENT OF EQUIPMENT.
- 5. PUBLIC STREETS SHALL BE KEPT CLEAN AND FREE FROM DIRT AND/OR DEBRIS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS INCURRED IN STREET CLEANING NECESSITATED BY HIS OPERATION.
- 6. NO GRADING IN EXCESS OF 5,000 CY SHALL BE STARTED WITHOUT FIRST NOTIFYING THE ENGINEER. A PRE-GRADING MEETING AT THE SITE IS REQUIRED BEFORE THE START OF GRADING WITH THE FOLLOWING PEOPLE PRESENT: OWNER, GRADING CONTRACTOR, SUPERVISING CIVIL ENGINEER, SOILS ENGINEER AND/OR GEOLOGIST,
- 7. NO FILL TO BE PLACED UNTIL STRIPPING OF VEGETATION, REMOVAL OF UNSUITABLE SOILS AND INSTALLATION OF SUB-DRAINS, IF ANY, HAS BEEN INSPECTED AND APPROVED BY THE SOILS ENGINEER.
- 8. NO ROCK OR SIMILAR MATERIAL GREATER THAN 6" IN DIAMETER WILL BE PLACED IN THE FILL UNLESS RECOMMENDATIONS FOR SUCH PLACEMENT HAVING BEEN SUBMITTED BY THE SOILS ENGINEER.
- 9. ALL EXISTING FILLS SHALL BE APPROVED BY THE SOILS ENGINEER OR REMOVED BEFORE ANY ADDITIONAL FILLS ARE ADDED.
- 10. FILLS SHALL BE BENCHED IN COMPETENT MATERIAL AS REQUIRED IN SOILS REPORT.
- 11. AREAS TO RECEIVE FILL SHALL BE PROPERLY PREPARED AND APPROVED BY THE SOILS ENGINEER PRIOR TO THE PLACING OF FILL.
- 12. THE CONTRACTOR SHALL COMPLY WITH THE GRADING CODE REQUIREMENTS WHEN AN EXCESS OF 1,000 CY IS MOVED ON PUBLIC ROADWAYS FROM THE SITE OF AN EARTH GRADING OPERATION. (15.04–210, 5.04.545, 15.38)
- 13. THE SOILS ENGINEER SHALL BE RESPONSIBLE FOR THE OBSERVATION AND APPROVAL CONCERNING THE PREPARATION OF GROUND TO RECEIVE FILLS, TESTING FOR REQUIRED COMPACTION, STABILITY OF ALL FINISH SLOPES AND THE DESIGN OF BUTTRESS FILLS, WHERE REQUIRED, INCORPORATING DATA SUPPLIED BY THE ENGINEERING GEOLOGIST AND INSURE COMPLIANCE WITH THE PLANS, SPECIFICATIONS, AND CODE WITHIN THEIR PURVIEW.
- 14. THE DESIGN CIVIL ENGINEER SHALL EXERCISE SUFFICIENT SUPERVISORY CONTROL DURING GRADING AND CONSTRUCTION TO INSURE COMPLIANCE WITH THE PLANS, SPECIFICATIONS, AND CODE WITHIN HIS PURVIEW.
- 15. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE.
- 16. THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 17. EXPORT SOIL MUST BE TRANSPORTED TO A LEGAL DUMP SITE.
- 18. IN THE EVENT THAT SOIL CONTAMINATION IS DISCOVERED DURING EXCAVATION, WORK SHALL BE STOPPED UNTIL A SITE ASSESSMENT AND MITIGATION PLAN HAS BEEN PREPARED, SUBMITTED AND APPROVED BY HCA/ENVIRONMENTAL HEALTH.
- 19. THE CONTRACTOR SHALL KEEP EACH EXISTING FUEL SERVICE SITE IN OPERATION AS LONG AS POSSIBLE. GOAL IS 2-3 WORKING DAYS, PER SITE.
- 20. PROPOSED PAVEMENT TO BE PLACED TO MATCH EXISTING SURFACE FLOW DRAINAGE PATTERN.

 (AC/AB AT 1.5% MIN.)

 (PCC AT 0.5% MIN.)
- 21. PLACE ELECTRICAL CONDUITS IN SLAB AT TANK LOCATIONS.
- 22. INSTALLATION CONFIGURATION TO MATCH EXISTING BALDY MESA FUEL SITE, UNLESS NOTED OTHERWISE (LOCATED AT 12394 SYCAMORE ST. VICTORVILLE. CA 92392)
- 23. ALL NEW TANKS TO BE CONNECTED TO EMERGENCY GENERATOR

UNAUTHORIZED CHANGES AND USES

CAUTION:

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR UNAUTHORIZED CHANGES TO OR USE OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

LIABILITY FOR UNDERGROUND STRUCTURES

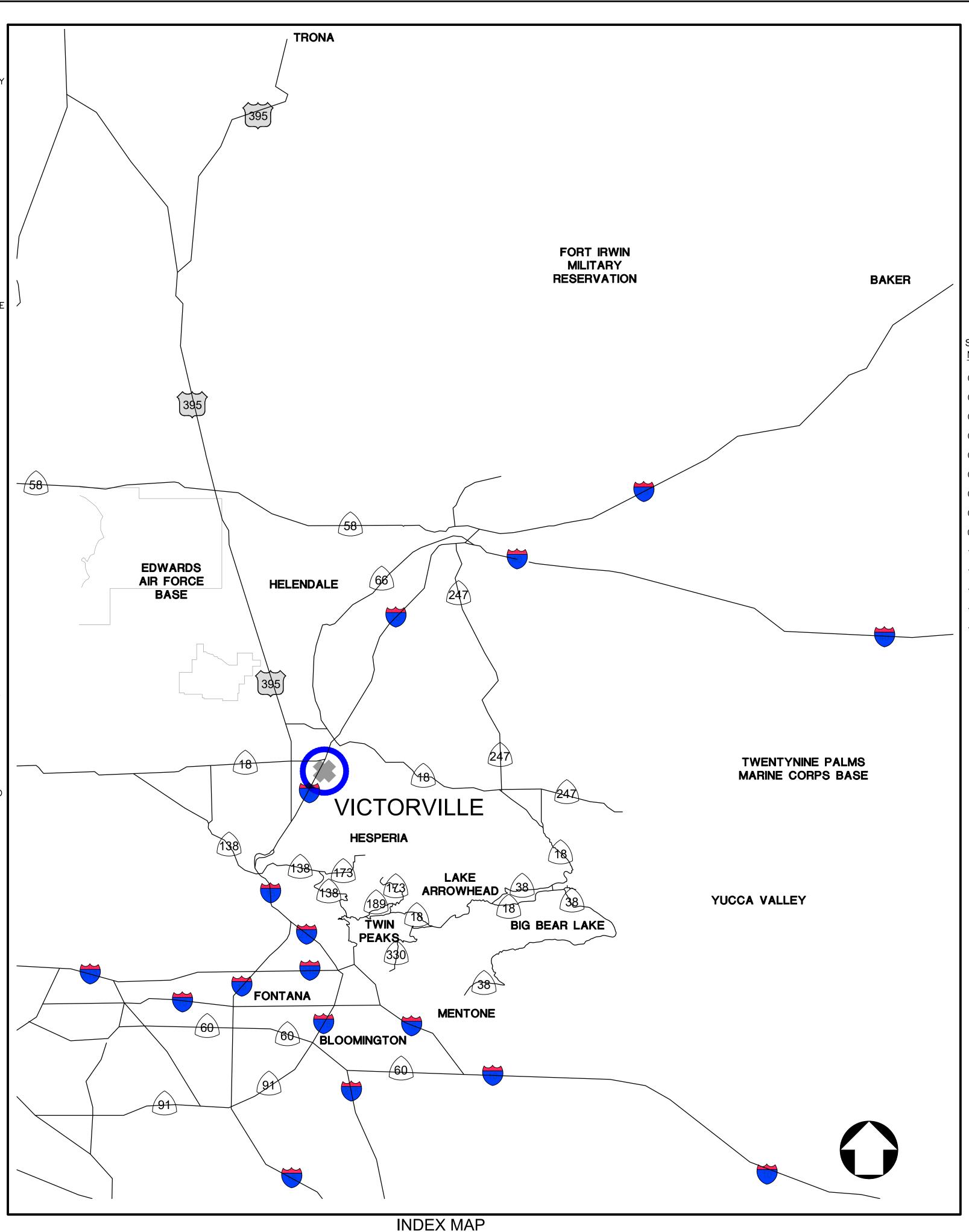
ALL UNDERGROUND UTILITIES SHOWN ON THE PLANS WERE OBTAINED FROM A REVIEW OF AVAILABLE RECORD DATA, WHILE DUE CARE WAS TAKEN IN PREPARATION OF THIS INFORMATION, THE ENGINEER CANNOT AND DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE INFORMATION.

IT SHALL BE THE RESPONSIBILITY AND LIABILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE OR NON-EXISTENCE OF SUCH UTILITIES AND TO PROTECT THEM IN PLACE.

IN THE EVENT UNKNOWN UTILITIES OR UNKNOWN STRUCTURES ARE FOUND, OR KNOWN FACILITIES ARE FOUND DURING CONSTRUCTION AT UNEXPECTED ELEVATIONS OR LOCATIONS, THE ENGINEER IS TO BE NOTIFIED OF SUCH CONDITIONS AT ONCE. THE ENGINEER WILL MAKE ANY REQUIRED DESIGN CHANGES AND THE CONTRACTOR AGREES TO COMPLETE THE WORK INCLUDING REPAIRS REQUIRED IN AN EXPEDITIOUS MANNER.

THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

PSOMAS IS NOT RESPONSIBLE FOR ANY INFORMATION SHOWN ON THIS DRAWING PROVIDED BY OTHERS.



NTS

LEGEND



FUEL SITE

SHEET INDEX:

SHT. DWG.

NO. NO. SHEET

REGION SITE

CITY

O1 C0.10 TITLE SHEET

O2 C0.20 CONSTRUCTION NOTE MATRIX

O3 C1.10 PRECISE GRADING PLAN Victorville

O4 C2.10 TANK LAYOUTS

C2.11 TANK DETAILS

C2.12 TANK DETAILS

07 S1.10 FOUNDATION PLAN

8 E-0 ELECTRICAL NOTES, SYMBOLS & ABBREVIATIONS

9 E-1 ELECTRICAL SPECIFICATIONS
0 E-2 ELECTRICAL GENERATOR SPECIFICATION

11 E-3 ELECTRICAL SITE PLAN

12 E-4 ELECTRICAL ENLARGED SITE PLAN

E-5 ELECTRICAL DETAILS
 E-6 ELECTRICAL SINGLE LINE DIAGRAM & PANEL SCHEDULES

NOTICE TO CONTRACTOR FOR COUNTY PERMITS:

COUNTY PERMIT

A. AN ENCROACHMENT PERMIT FROM THE COUNTY OF SAN BERNARDINO WILL BE REQUIRED FOR WORK IN COUNTY RIGHT-OF-WAY.

B. CONTRACTOR SHALL PAY ANY FEES.C. COUNTY SHALL BE LISTED AS CO—APPLICANT. CONTRACTOR SHALL

SUBMIT OF PROOF OF INSURANCE, AND PAYMENT OF PERMIT FEE.

D. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING
ENCROACHMENT PERMIT IN FORCE, TRACKING EXPIRATION DATES, AND
APPLYING FOR PERMIT RENEWALS AND EXTENSIONS AS NEEDED.

COUNTY OF SAN BERNARDINO FIRE DEPARTMENT PERMIT

- A. A PERMIT FROM COUNTY OF SAN BERNARDINO FIRE DEPARTMENT WILL BE REQUIRED FOR WORK RELATED TO THE INSTALLATION OF FUEL TANKS
- B. CONTRACTOR SHALL PAY ANY FEES.
- C. COUNTY SHALL BE LISTED AS CO-APPLICANT. CONTRACTOR SHALL SUBMIT OF PROOF OF INSURANCE, AND PAYMENT OF PERMIT FEE.
- D. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PERMIT IN FORCE, TRACKING EXPIRATION DATES, AND APPLYING FOR PERMIT RENEWALS AND EXTENSIONS AS NEEDED.



COUNTY OF SAN BERNARDINO

ARCHITECTURE & ENGINEERING DEPARTMENT

385 NORTH ARROWHEAD AVENUE SAN BERNARDINO, CA 92415-0184

Project Title:

FUEL TANK

INFRASTRUCTURE

CIP NUMBER: 20-030

Project No:

PHASE III

1010.0857 Project Address:

Fuel Site

15000 Tokay Street, Victorville CA 92395

PSOMAS

5 Hutton Centre Drive Suite 300 Santa Ana, CA 92707



No. REVISION DATE

BID ADDENDUM #2 08/23/21

Drawing Title:
PRECISE GRADING PLAN

TITLE SHEET INDEX MAP, NOTES

Project No:	2OBR010100		
Scale:			
Drawn By:	MS		
Reviewd By:	HN		
Date:	08/23/2021		
Drawing Size:	24 x 36		

Drawing Number

C0.10
01of 14 Sheets

100% CONSTRUCTION DOCUMENTS



COUNTY OF SAN BERNARDINO

ARCHITECTURE & ENGINEERING DEPARTMENT

385 NORTH ARROWHEAD AVENUE SAN BERNARDINO, CA 92415-0184

FUEL TANK INFRASTRUCTURE PHASE III

CIP NUMBER: 20-030

Project No: 1010.0857

Project Address:

Fuel Site

15000 Tokay Street, Victorville CA 92395

NOTE | CONSTRUCTION ITEM: QUANTITY UNIT PROTECT IN PLACE (ITEMS NOTED) INSTALL FUEL TANK PER DETAILS 2, 2B & 2C ON SHT. 5 AND DETAILS 2D & 2E ON SHT. 6 (3) INSTALL FUEL TANKS LAYOUT PER DETAIL 3 ON SHT. 4 4 INSTALL WAYNE RELIANCE S1 DISPENSER (MODEL NUMBER /G66101D/27AJK/W1) PER DETAIL 4 ON SHT. 5 (5) CONSTRUCT 10" PCC CONCRETE PAVEMENT PER DETAIL 5 ON SHT. 4 SF 432 6 CONSTRUCTION 6" CONTAINMENT CURB (TYPE A1-6) PER APWA STD. PLAN 120-2. SEE DETAIL 6 ON SHT. 4 126 LF 7) INSTALL BOLLARD PER DETAIL 7 ON SHT. 4 38 EΑ 8 INSTALL 4" WIDE CROSS STRIPING FOR "NO PARKING" 309 LF 9 ADJUST TO GRADE (ITEMS NOTED) LS (10) REMOVE EXISTING AC PAVEMENT 1,422 SF (11) CONSTRUCT 12" PCC CONCRETE PAD PER DETAIL 11 ON SHT. 4 990 SF (12) CONSTRUCT GENERATOR FOUNDATION SLAB PER SHT. 7 SF (13) INSTALL 60kW DIESEL STANDBY GENERATOR PER SHT. 11

5 Hutton Centre Drive Suite 300 Santa Ana, CA 92707 (714) 751—7373 Fax(714) 545—8883



DATE REVISION

PRECISE GRADING PLAN

CONSTRUCTION NOTES MATRIX

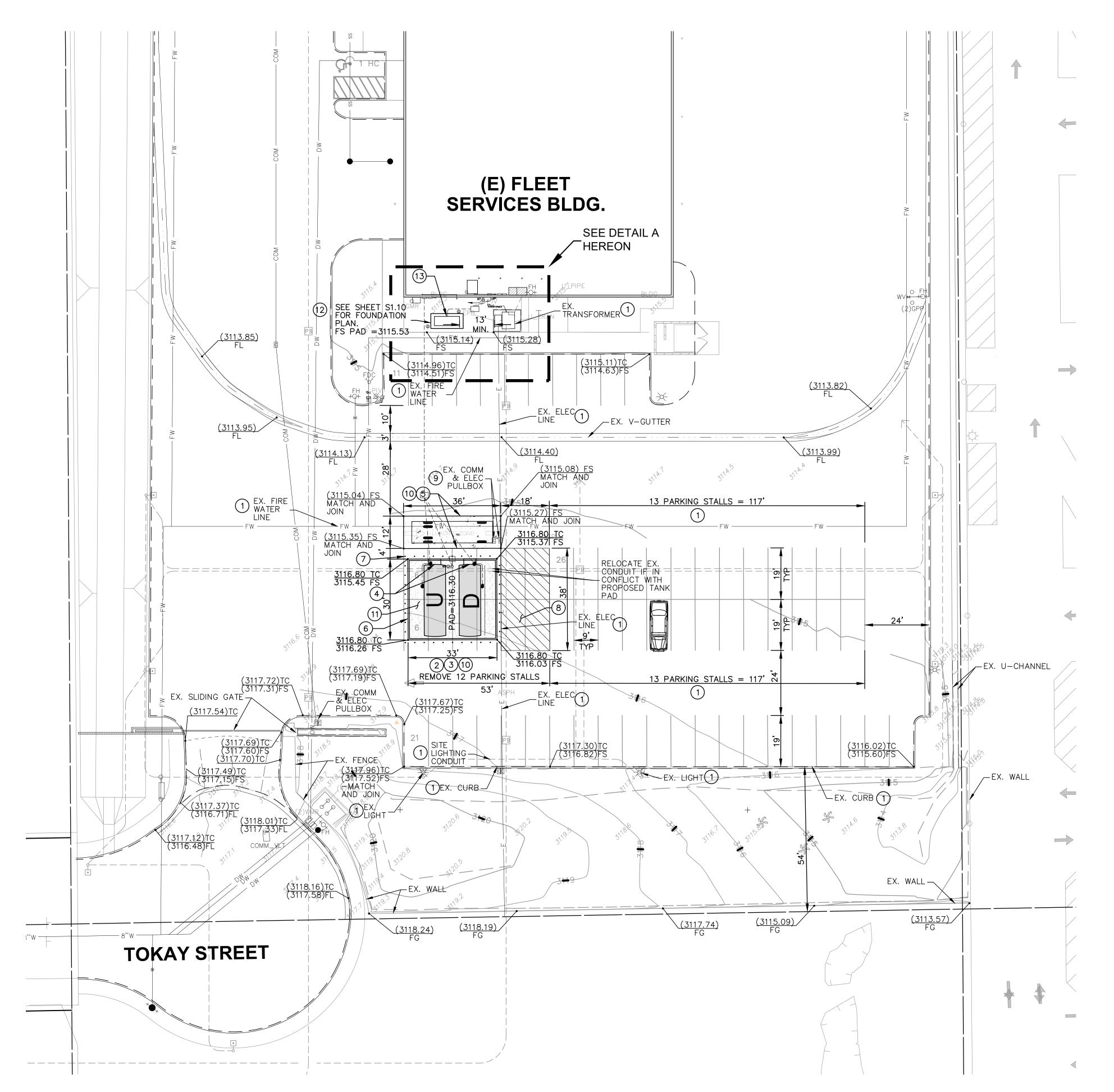
Project No:	2OBR010100		
Scale:			
Drawn By:	MS		
Reviewd By:	HN		
Date:	08/23/2021		
Drawing Size:	24 x 36		

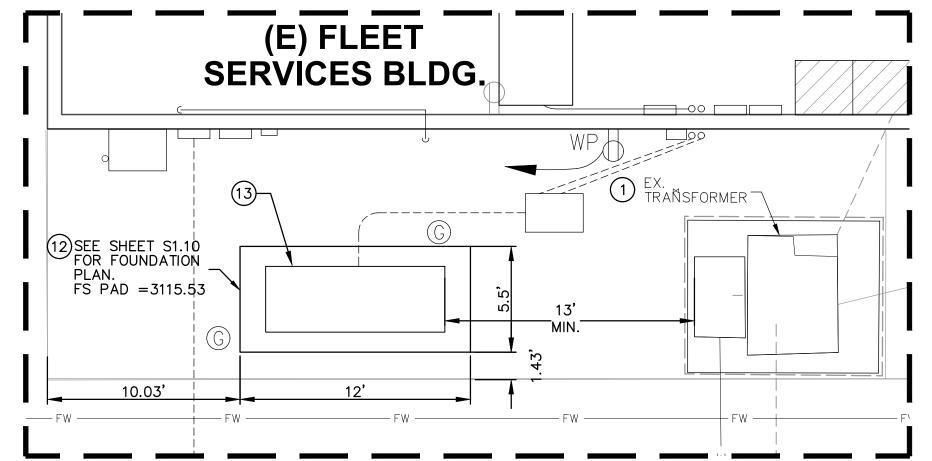
Drawing Number

02 of 14 Sheets

CONSTRUCTION NOTES MATRIX

NOTE: THIS IS BEING BID AS LUMP SUMP SO UNIT QUANTITIES ARE PROVIDED FOR REFERENCE ONLY.

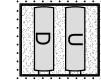




DETAIL A

SCALE: 1' = 5'

LEGEND



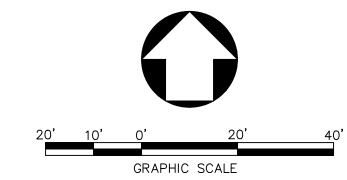
LAYOUT "A" PROPOSED FUEL TANKS / DISPENSERS LAYOUT D = DIESEL GASOLINE U = UNLEADED GASOLINE

GENERAL NOTES

- A. ADD CONDUIT FOR FUEL CONTROLLER AT DISTRIBUTION LOCATION.
- B. CONTRACTOR TO RE-USE / EXTEND EXISTING POWER.
- C. CONTRACTOR TO PROVIDE CONDUIT FOR DATA LINE FROM EJ WARD TERMINAL (PROVIDED BY COUNTY) AT EACH DISPENSER LOCATION AT TANKS.
- D. LOCATION NEW FUEL TANKS AS INDICATED.
- E. CONNECT TO POWER SOURCE PER ELECTRICAL ENGINEER.
- F. SEE PAGE E.4 FOR CONDUIT LAYOUT.

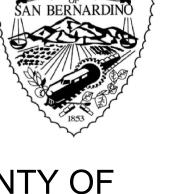
CONSTRUCTION NOTES

- 1) PROTECT IN PLACE (ITEMS NOTED)
- INSTALL FUEL TANK PER DETAILS 2, 2B & 2C ON SHT. 5 AND DETAILS 2D & 2E ON SHT. 6
- 3 INSTALL FUEL TANKS LAYOUT PER DETAIL 3 ON SHT. 4
- INSTALL WAYNE RELIANCE S1 DISPENSER (MODEL NUMBER /G66101D/27AJK/W1) PER DETAIL 4 ON SHT. 5
- CONSTRUCT 10" PCC CONCRETE PAVEMENT PER DETAIL 5 ON SHT. 4
- CONSTRUCTION 6" CONTAINMENT CURB (TYPE A1-6) PER APWA STD. PLAN 120-2. SEE DETAIL 6 ON SHT. 4
- (7) INSTALL BOLLARD PER DETAIL 7 ON SHT. 4
- (8) INSTALL 4" WIDE CROSS STRIPING FOR "NO PARKING"
- 9) ADJUST TO GRADE (ITEMS NOTED)
- REMOVE EXISTING AC PAVEMNET
- CONSTRUCT 12" PCC CONCRETE PAD PER DETAIL 11 ON SHT. 4
- CONSTRUCT GENERATOR FOUNDATION SLAB PER SHT. 7
- INSTALL 60KW DIESEL STANDBY GENERATOR PER SHT. 11



Note: For reduced sized prints, original scale is in inches

NOTE: FOR ELECTRICAL LAYOUTS, NOTES AND DETAILS. SEE ELECTRICAL PLANS, SHEETS 08 - 13



COUNTY OF SAN BERNARDINO

ARCHITECTURE & ENGINEERING DEPARTMENT

385 NORTH ARROWHEAD AVENUE SAN BERNARDINO, CA 92415-0184

FUEL TANK **INFRASTRUCTURE** PHASE III

CIP NUMBER: 20-030

Project No: 1010.0857

Project Address:

Fuel Site

15000 Tokay Street, Victorville CA 92395

5 Hutton Centre Drive Suite 300 Santa Ana, CA 92707



DATE REVISION Drawing Title:

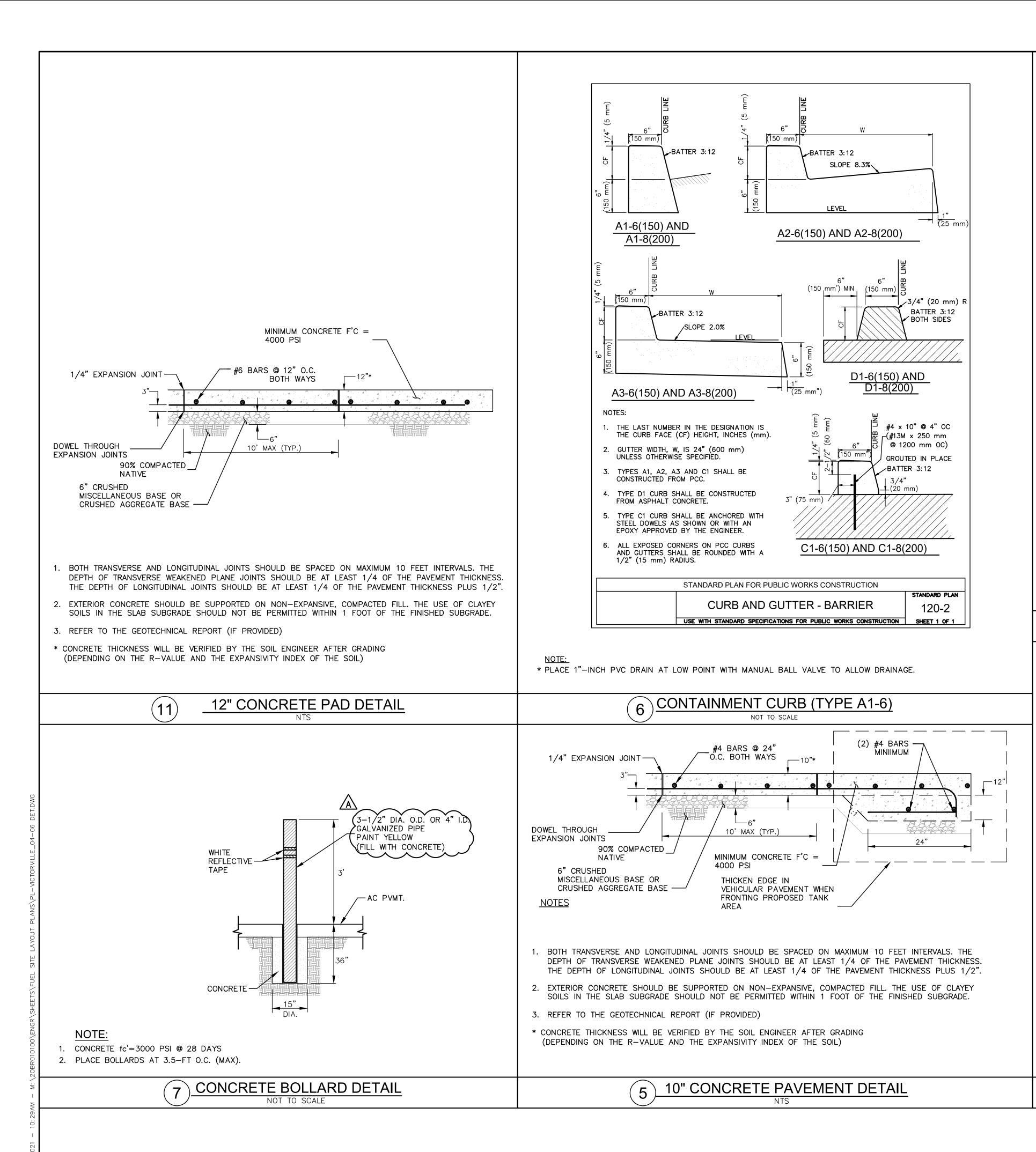
PRECISE GRADING PLAN

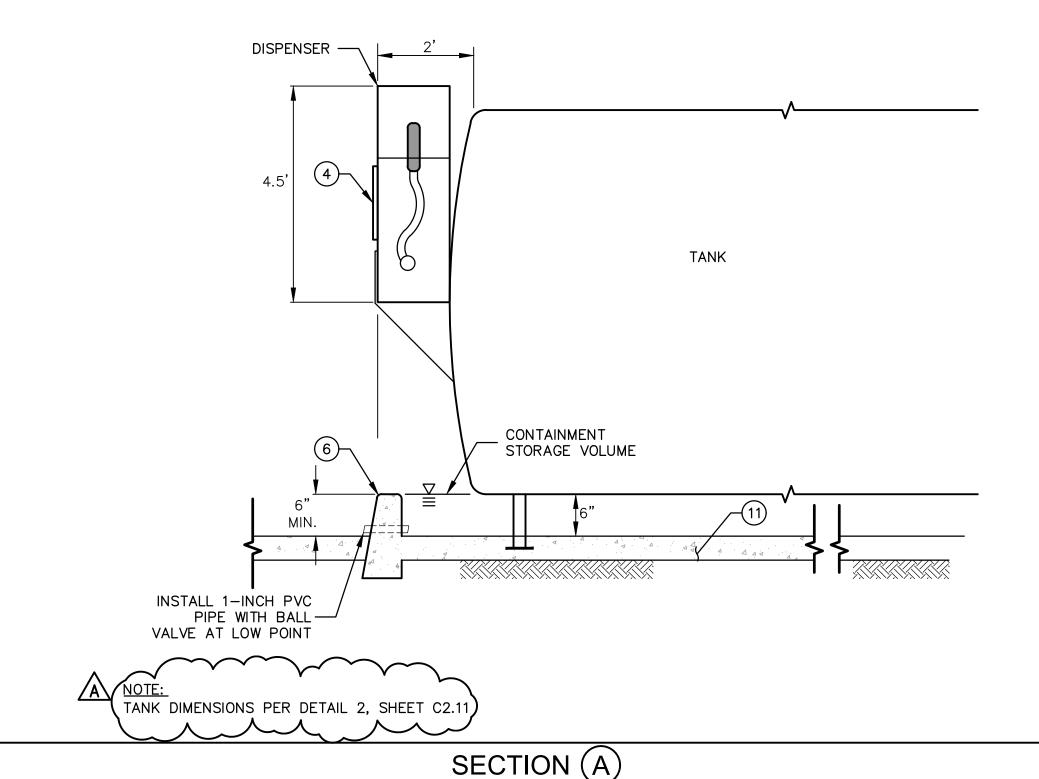
PRECISE GRADING PLAN

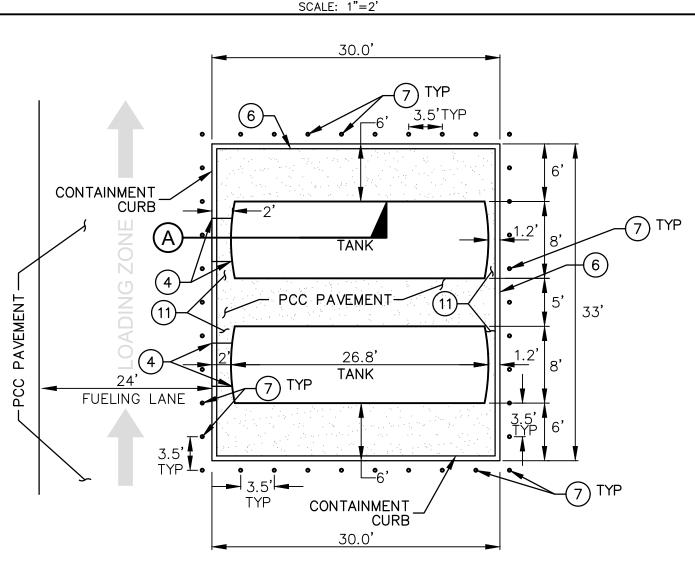
Project No:	2OBR010100
Scale:	1" = 20'
Drawn By:	MS
Reviewd By:	HN
Date:	08/23/2021
Drawing Size:	24 x 36

Drawing Number

03 of 14 Sheets







NOTES:

DOUBLE WALLED TANK WILL SATISFY SECONDARY CONTAINMENT REQUIREMENTS.
THE TRINARY CONTAINMENT CURB ONLY ADDRESS THE RAINFALL STORAGE.

CONSTRUCTION NOTES

- INSTALL WAYNE RELIANCE S1 DISPENSER (MODEL NUMBER /G66101D/27AJK/W1) PER DETAIL 4 ON SHT. 5
- 6) CONSTRUCTION 6" CONTAINMENT CURB (TYPE A1-6) PER APWA STD. PLAN 120-2. SEE DETAIL 6 HEREON
- 7) INSTALL BOLLARD PER DETAIL 7 ON HEREON
- (11) CONSTRUCT 12" PCC CONCRETE PAD PER DETAIL 11 HEREON.

3 TYPICAL FUEL TANKS LAYOUT - SINGLE SIDE

SAN BERNARDINO

COUNTY OF SAN BERNARDINO

ARCHITECTURE & ENGINEERING DEPARTMENT

385 NORTH ARROWHEAD AVENUE SAN BERNARDINO, CA 92415-0184

Project Title:
FUEL TANK
INFRASTRUCTURE

TID NITIMDED: 20 020

PHASE III

CIP NUMBER: 20-030

Project No:
1010.0857

Project Address:
Fuel Site

15000 Tokay Street, Victorville CA 92395

PSOMAS

5 Hutton Centre Drive
Suite 300
Santa Ana, CA 92707



No. REVISION DATE

BID ADDENDUM #2

Drawing Title:

PRECISE GRADING PLAN

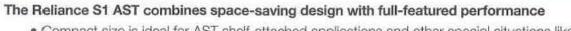
TANK LAYOUTS
DETAILS & SECTIONS

Project No:	2OBR010100		
Scale:			
Drawn By:	MS		
Reviewd By:	HN		
Date:	08/23/2021		
Drawing Size:	24 x 36		

Drawing Number

C2.10
04 of 14 Sheets





- Compact size is ideal for AST shelf-attached applications and other special situations like marinas
- Accurately records fuel usage with a weights and measures sealable meter
- Available in an E85 compatible model for an easy transition to alternative fueling





Specifications

Model Number: Prefix / G6101D / Suffix 1 Options / Suffix 2 Options Standard model includes the following options as standard: 1" piping [2],

j-box [J], hose hanger [K], solenoid valve [//W1]. Option prefix or suffixes are noted in the options below in [], A "//" (e.g. [//W1]) indicates a suffix 2 Performance: Up to 22 GPM (83 lpm)*.

Compatibility: For dispensing low viscosity petroleum fuels - diesel; biodiesel blends up to 20%; gasoline, including oxygenated blends; kerosene; AvGas^, and jet fuel^. See E85 option. Fuel must meet the applicable ASTM standard.

^Note: Confirm with fuel supplier on any fluid path metal restrictions before use. If aluminum, zinc, or red metals are not desired, the E85 option may be utilized. Register: Non-computer mechanical register with power reset with interlock. Up to 999.9 gallons per delivery. Non-resettable accumulative

totalizer up to 9999999.9. Optional liters measure. Meter: Reliable micro-accurate 2-piston positive displacement design. Weights & Measures sealable. Solenoid Valve [//W1]: 1" (2.5 cm) two-stage valve. Single stage valve

with E85 option. Electrical: 115VAC, 60 Hz. Optional 230VAC 50/60 Hz operation [Z]. Inlet Connection: 11/2" (3.8 cm) NPT. Bottom access hole sized for 11/2"

emergency valve installation. Discharge: 1" (2.5 cm) with ¾" reducing bushing.

access if required.

Mounting: Four 7/16" (1.1 cm) mounting holes in bottom. Optional

shelf-mount kit. Cabinet Construction: All panels are fabricated from galvannealed steel for corrosion resistance. Front door includes lock and is removable for service. Outer sides, back, and top are removable for additional service

Cabinet Finish: Extremely durable powder-coated finish gives outstanding appearance and toughness. Metallic silver sides, top, and back. Blue door with black register decal. Optional black, brown, green, red, silver, yellow, ar white doors.

Nozzle Boot and Hook: Fits standard UL interchangeable nozzles. Also fits Emco Wheaton 4015 and Husky V short spout balance vapor recovery nozzles. Hook extension kits+ for OPW 11VF (p/n 892081-001) and Healy 400 (p/n 892080-001) long spout vapor recovery nozzles. Lift-to-start

nozzle hook. Hose Hanger [K]: Keeps hose off ground when not in use. Actual Dimensions: 30.25"H x 16.75"W x 14"D (76.8cm H x 42.5cm W x 35.6cm D)

Pressure: Working pressure up to 50 psi. Approvals: C-UL-US Listed. Sealable by U.S. Weights & Measures.

Shelf-Mount Kit+: Carbon steel shelf brackets for mounting dispenser to tank. Black powder coat finish. P/n 891839-001 Pulsers: 10:1 [7A] and 100:1 [7B] ratio options.

E85** [E/ prefix]: Utilizes nickel-plating, hard anodizing, stainless steel, and special elastomers, which have been used successfully for E85

Hose Mast [//J]: Raises hose to ease hose handling. Optional hose clamp kit+ (p/n 890898-001) for Goodyear® vapor recovery hose. External Filter Kit+: Installs on discharge. P/n 889921-002. Stainless Steel: All exterior panels [//S], all panels except painted galvannealed steel doors [//S1], or stainless steel doors only [//S2].

Other Options: Liter measure [8] and 230VAC 50/60 Hz operation [Z]. Rear View Shown with power reset (10:1 or 100:1 pulser option) Removable service -> panels facilitate service J-box for AC & pulser terminations 1" two-stage solenoid valve Weights & Measures sealable 2-piston meter Vertical strainer with 11/2" dispenser inlet

5" clearance hole for mounting 11/2" shear valve *Note: Kits require field installation.

*Flow rates are meximum test rates at discharge. Actual rates will depend upon installation conditions, dispenser accessories and the size of the submersible or **E/models are UL Listed for Class I liquids, which include gasoline and diesel. A UL listing specific to a new UL guideline for ethanol is pending. Select only hose and nazzle accessories that are expressly compatible with the fuel type being dispensed.

PROVIDE WIRELESS DATA TO MAIN BUILDING

WAYNE RELIANCE S1 DISPENSER MODEL NUMBER /G66101D/27AJK/W1)



10,000 GALLON CYLINDRICAL TANK SUPER VAULT

HINGED GROUND LEVEL FILL SPILL PAN WITH HAND PUMP

MHC 3" D5 NON-CARB GROUND LEVEL FILL SYSTEM

2" MORRISON AUTOMATIC SHUTOFF VALVE EVR

MHC 3" D5 CARB GROUND LEVEL FILL SYSTEM

WAYNE TANK MOUNTED DISPENSER

FUEL TANK PARTS

133-MHC-1000

16SVEQ1005

16SVGF30015

16SVGF10503

16SVGF20503

SVEQ80160

SADDLE CONNECTIONS FOR LADDER AND PLATFORM ASSEMBLY TO BE CONNECTED WITH 1—INCH COARSE THREADED A307 BOLTS, 4 ANCHOR BOLTS PER SADDLE.

TANK ACCESSORIES

- ANCHOR BOLTS
- BULKHEADS AND BAFFLES
- CUSTOM NAME AND TECHNICAL DATA PLATES
- DISCHARGE PIPING
- EQUIPMENT PACKAGES GAUGE AND PUMP SHELVES
- GROUND LEVEL LOAD (REMOTE FILL)

- WEAR PLATES

PROVIDE GROUND LEVEL FILLING TO TOP OF TANK, WITH VENT.

(2B) TANK ACCESSORIES

NOT TO SCALE

TANK SUPPORT

(714) 751-7373 Fax(714) 545-8883

REVISION

5 Hutton Centre Drive

Santa Ana, CA 92707

COUNTY OF

ARCHITECTURE &

FUEL TANK

CIP NUMBER: 20-030

PHASE III

Project No:

Project Address:

Fuel Site

Suite 300

INFRASTRUCTURE

1010.0857

15000 Tokay Street, Victorville CA 92395

SAN BERNARDINO

ENGINEERING DEPARTMENT

385 NORTH ARROWHEAD AVENUE SAN BERNARDINO, CA 92415-0184

L&P10KD5 RUNG LADDER AND 3'x18' PLATFORM MCF STANDARD - GALVANIZED TA-732A SECONDARY ALARM & SENSORS EMPTY TANK WEIGHT: 45,000 LBS FULL TANK WEIGHT WITH DIESEL FUEL (95% CAPACITY): 111,500 LBS + FULL TANK WEIGHT WITH UNLEADED FUEL (95% CAPACITY): 104,375 LBS

GASOLINE PHASE I & II DISPENSING PACKAGE WITH SUCTION PUMP & W&M

SADDLE CONNECTIONS FOR LADDER AND PLATFORM ASSEMBLY TO BE CONNECTED WITH 1-INCH COARSE THREADED A307 BOLTS, 4 ANCHOR BOLTS PER SADDLE.

CUSTOMER SIGNATURE: SHOP ORDER NO.: EST. STEEL TANK WEIGHT: 45,000 LBS

LEFT END VIEW

(2C) RUNG LADDER AND 3' X 18' PLATFORM THAT EXTENDS TO BOTH ENDS OF EACH FUEL TANK - GALVANIZED

-16'-8<mark>1</mark>" PLATFORM— -20'-3"--- -23'-4⁹" SHIPPING LENGTH-**ELEVATION VIEW**

MODEL NO. MHC-D5-10000 GASOLINE

SHIPPING WIDTH-

RIGHT END VIEW

ITEM NO. NONE NO. REQUIRED (1) ONE modern custom fabrication fresno california P.O. Box 11925 • 2421 E. California Ave. • Fresno, California 93721 Ph: (559) 264-4741 OR 800-800-TANK • Fox: (559) 237-3413 MODEL NO. MHC-D5-10000

SECONDARY: 410,800 SCFH

SUPERVAULT MH-PROTECTED ABOVE GROUND STORAGE TANK

DETAILS Project No:

20BR010100 Scale: Drawn By: Reviewd By: 08/23/2021 24 x 36

A BID ADDENDUM #2

PRECISE GRADING PLAN

TANKS

Drawing Title:

Drawing Number

TANK DETAIL

100% CONSTRUCTION DOCUMENTS

VENTING CAPACITY

PRIMARY: 372,600 SCFH

Drawing Size:

05 of 14 Sheets

DATE

08/23/2

Model 927/928/735DC Series & 9095A5201

The Morrison 927 dry disconnect adaptor is installed at the fill point in the fill line of a fuel storage tank system. The internal spring loaded poppet assembly remains closed providing a liquid-tight seal when not connected to a dry disconnect adaptor.

The Morrison 928 dry disconnect coupler is installed on the end of delivery vehicle hose. When coupled, the 927 and 928 provide a liquidtight connection enabling a dry connection and a dry disconnection.

The 735DC dust cap serves as a protective cover for the 927 adaptor when not in use.



SPECIFICATION SHEET

	I.D. Number	Size	Description	A	В	С	D	E	Cap Size	Weight (lbs)
	9270150 1A	1½"	Dry disconnect adaptor			Α		N		1.63
	9270200 AA	2"	Dry disconnect adaptor, cam style			AA		N		1.68
EVR	9270200AAEVR	2"	Dry disconnect adaptor, alum w/Viton®	2S	2½	Α	V	Υ	2½"	1.98
EVR	9270300AAEVR	3"	Dry disconnect adaptor, alum w/Viton®	3N	4	Α	٧	Υ	4"	3.50
EVR	9270400AAEVR	4"	Dry disconnect adaptor, alum w/Viton®		4	Α	V	Υ	4"	3.50
EVR	9095A5201AAEVR	4" x 2"	Dry disconnect adaptor, alum w/Viton®	4N	21/2	Α	V	Υ	2½"	2.50
	927B0200 AA	2"	Dry disconnect adaptor, cam/groove style			В				
	927S0150 1A	1½"	Dry disconnect adaptor			SS				
	927S0200 1A	2"	Dry disconnect adaptor			SS				
927S0300 1A		3"	Dry disconnect adaptor			SS				
EVR	9280150ACEVR	1½"	Dry disconnect coupler, alum with Viton®	1N	2	Α	V	Υ		4.40
EVR	9280200ACEVR	2"	Dry disconnect coupler, alum with Viton®	2N	21/2	Α	٧	Υ		6.0
EVR	9280300ACEVR	3"	Dry disconnect coupler, alum with Viton®	3N	4	Α	V	Υ		12.60
EVR	735DC-2000ACEVR	2"	Dust cap, use w/ 1½" 927 adaptors			Α	В	Υ		1.0
EVR	735DCA2000ACEVR	2"	Dust cap, use w/ 1½" 927 adaptors			AA	В	Υ		1.0
EVR	√ 735DC-2500ΔCEVR 21/3" Dust can use w/ 2" 927 adaptors		Dust cap, use w/ 2" 927 adaptors			Α	В	Υ		1.25
EVR	735DCA2500ACEVR 21/3"		Dust cap, use w/ 2" 927 adaptors			AA	В	Υ		1.25
EVR	735DC-3000ACEVR	3"	Dust cap, use w/ 3" adaptors			Α	В	Υ		1.50
EVR	735DCA3000ACEVR	3"	Dust cap, use w/ 3" adaptors			AA	В	Υ		1.50
EVR	735DC-4000ACEVR	4"	Dust cap, use w/ 3" & 4" 927 adaptors			Α	В	Υ		2.50
EVR	725DCA4000ACEVD 4" Dust on use w/ 2" 9 4" 027 adenters				AA	В	Υ		2.50	

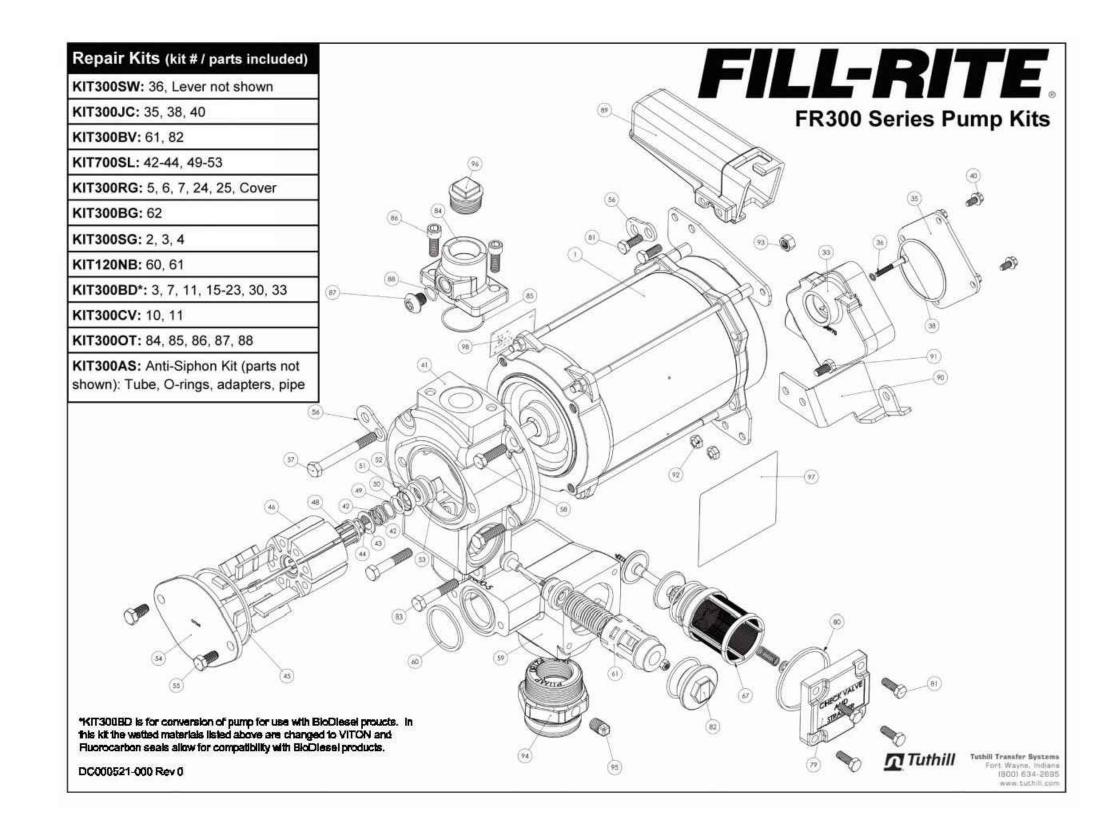
SPECIFICATION OPTIONS:

- A—Threads: 1½" NPT (1N); 2" NPT (2N); 2" NPS (2S); 3" NPT (3N); 4" NPT (4N)
- **B**—Coupler Size
- C—Body: Hard coated aluminum (A); Anodized aluminum (AA); Brass (B); Stainless
- **D**—Seals: Viton® (V); Buna-N (B)
- E—EVR: Yes (Y); No (N)

570 E. 7th Street, P.O. Box 238 | Dubuque, IA 52004-0238 t. 563.583.5701 | 800.553.4840 | f. 563.583.5028

MORRISON BROS. CO.

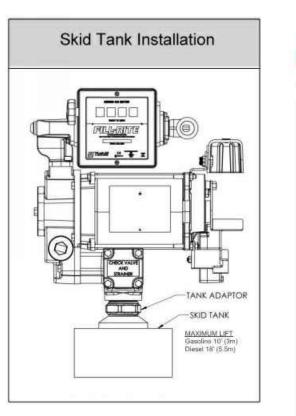
www.morbros.com



- 1-1/4" pipe cut to a length that will terminate at least 3" from the bottom of the tank when installed into the tank adapter with the tank adapter installed into the tank flange (see SKID TANK INSTALLATION diagram).
- Threaded pipe joint sealant appropriate for application.
- Thread the 1-1/4" pipe into the tank adapter. Seal threads liquid tight with appropriate thread
- 2) Install the tank adapter into the tight with appropriate thread Mount the pump on the adapter:

seal threads liquid tight with appropriate thread sealant.

Fill-Rite recommends installation of our Anti-Siphon Device (see page 7 for detailed information).



FILL-RITE FR313V Technical Specifications

The Most Trusted Name in Pumps and Meters Power -AC 115, 230, 115/230 None HP (horsepower) rating Power cord length None Power cord gauge Power cord DC battery connectors

	112011420			
	30 min.	ED	2121/	
	Y	FR	313V	
	NONE			
	UL, cUL			
		Sku/Kit #'s	Small	Consists of
ane	Rotary Vane	Ontarin a c	Pump Kits	
	26.8	KIT300BD	Bio-Diesel	Special Shaft Seal Assembly, Gasket, Inlet Gasket, Bypass O-ring
zle	34.3	KIT300BV	Bypass	Poppet, Spring, O-ring, Cap
ax	26	KIT300JC	Junction	Junction Box Cover, O-Ring, Hardware
	14	(4130000	Box Nozzie	Sunction Box Cover, O-Many, Hardware
	60.06	KIT300NB	Boot	Nozzle Boot, Attaching Hardware
	Anti-siphon Ready	KIT300NR	Nozzle	Lockable Nozzle Retainer, Hardware
	1 1/4"	-	Retainer	
	NPT	KIT300OT	Outlet	Outlet Flange, O-Ring Seal, hardware
	Bung (NPT)	KIT300RG	Rotary	Rotor, 8 Vanes, Rotor Key, Gasket, Rotor Cover, 4
nousing	Cast Iron	N.II.A.SERVOTE	Group	Screws
material	Buna	KIT300SW	Switch Lever	Switch Lever, Nut
	80% Iron/20% Copper	KIT700AS	Anti-Siphon	Anti-Siphon Hose and Hardware
on	Carbon	Total Total	rant apriori	Print Operation Floor and Florential
	Diesel, Gasoline, Bio-Diesal up to B20, E15, Kerosene	KIT700BG	Inlet	Inlet Adapter
	40 x 40 x .008"	KIT700SL	Shaft Seal	8 Piece Assembly
	2 Years			300 SERIES
	*	(80)		PERFORMANCE CURVE
	None			
	Notice	35.0		
t	None			
	None	20.0 E		1
	None	2 174		
у	None			
	None	380		
	None	50		X.
	None			

0-89404-07657-6

18

Tuthill Fort Wayne, IN 46809 (800) 634-2695 www.tuthill.com

PUMP TO BE LOCATED AT TOP OF EACH TANK.

FILL-RITE 300 SERIES PUMP

Anti-siphon valve

Compatible fluids

Accessories uction pipe material

Suction pipe length- extende

Nozzle- manual / automatic

Hose static wire (Y/N)

Outlet - Size / Thread



COUNTY OF SAN BERNARDINO

ARCHITECTURE & **ENGINEERING DEPARTMENT**

385 NORTH ARROWHEAD AVENUE SAN BERNARDINO, CA 92415-0184

FUEL TANK INFRASTRUCTURE PHASE III

CIP NUMBER: 20-030

Project No: 1010.0857

Project Address:

Fuel Site 15000 Tokay Street, Victorville CA 92395



DATE REVISION

PRECISE GRADING PLAN

TANK DETAILS

Project No:	2OBR010100		
Scale:			
Drawn By:	MS		
Reviewd By:	HN		
Date:	08/23/2021		
Drawing Size:	24 x 36		

Drawing Number

06 of 14 Sheets

POST-INSTALLED ANCHOR NOTES

- 1. INSTALL ANCHORS PER MANUFACTURER INSTALLATION INSTRUCTIONS.
- 2. AT DIESEL GENERATOR, PROVIDE POST-INSTALLED $\frac{1}{2}$ " DIAMETER HILTI "KB-TZ" SS THREADED ANCHORS IN MIN 3 $\frac{1}{4}$ "DEEP HOLES. DRILL DIAMETER = $\frac{1}{2}$ ".
- 3. AT FUEL TANKS, PROVIDE POST-INSTALLED $\frac{3}{4}$ " DIAMETER HILTI "KB-TZ" SS THREADED ANCHORS IN MIN 4 $\frac{3}{4}$ " DEEP HOLES. DRILL DIAMETER = $\frac{3}{4}$ ".
- 4. SEE ICC-ES EVALUATION REPORT ESR-1917 REVISED JANUARY 2020.

DESIGN DATA

- 1. CODE: 2019 CBC
- 2. WIND DESIGN DATA:
 DESIGN METHOD: ASCE 7-16 CHAPTER 29 DIRECTIONAL METHOD
 BASIC WIND SPEED: NOMINAL=85 MPH, ULTIMATE=110 MPH
 WIND EXPOSURE: B
 RISK CATEGORY: II
- 3. EARTHQUAKE DESIGN DATA: $ASCE 7-16 \ 15.4.2; \ V=0.30 \ \times S_{Ds} \times W \times Ie \\ RISK CATEGORY III \ I_e=1.25 \\ S_s=1.288 \ S1=0.498 \quad SITE CLASS \ D \\ S_{Ds}=1.036 \quad SD1=0.598 \\ SEISMIC DESIGN CATEGORY \ D \\ V=0.388W \\ EQUIVALENT LATERAL FORCE PROCEDURE$
- 4. GEOTECHNICAL DATA:
 ALLOWABLE SOIL BEARING STRESS = 1500 PSF

CONCRETE AND REINFORCING STEEL:

- 1. MINIMUM CONCRETE F'C = 4000 PSI
- 2. INSERTS: ALL ITEMS TO BE CAST IN CONCRETE, SUCH AS REINFORCING DOWELS, BOLTS, ANCHORS, PIPES, SLEEVES, ETC., SHALL BE POSITIONED IN THE FORMS BEFORE PLACING THE CONCRETE.
- 3. REINFORCING STEEL: ASTM A615 GRADE 60.
 ASTM A706 WHERE WELDED.
- 4. ALL REINFORCEMENT SHALL BE CONTINUOUS. STAGGER SPLICES WHERE POSSIBLE. LAP LENGTHS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED.

#4: 24" #5: 30" #6: 36" #7: 53" #8: 60"

- 5. ALL BARS SHALL BE CLEAN OF LOOSE FLAKY RUST, GREASE OR OTHER MATERIALS LIKELY TO IMPAIR BOND.
- 6. ALL REINFORCING BARS HALL BE ACCURATELY AND SECURELY PLACED BEFORE POURING CONCRETE.
- 7. MINIMUM CLEAR CONCRETE COVER FOR REINFORCEMENT, UNLESS OTHERWISE NOTED:

CAST AGAINST EARTH:

3 INCHES

CAST IN FORMS AND EXPOSED TO EARTH OR WEATHER:
#6 BAR AND LARGER 2 INCHES
#5 BAR AND SMALLER 1½ INCHES

NOT EXPOSED TO EARTH OR WEATHER:
SLABS, WALLS AND JOISTS:
#11 BAR AND SMALLER

#14 BAR AND LARGER

¾ INCH 1 ½ INCHES

CLEARANCES ARE TO CLOSEST REINFORCEMENT.

- 8. ALL CEMENT SHALL CONFORM TO ASTM C-150.
- 9. FINE AND COURSE AGGREGATE SHALL CONFORM TO ASTM C-33 FOR STANDARD WEIGHT CONCRETE. ALL AGGREGATE SHALL BE PER ASTM C-157 WITH THE AVERAGE DRY SHRINKAGE AT 28 DAYS NOT EXCEEDING 0.04%.
- 10. DRYPACK SHALL BE COMPOSED OF ONE PART PORTLAND CEMENT TO NOT MORE THAN THREE PARTS SAND.
- 11. ALL CONCRETE SHALL BE CURED BY KEEPING CONTINUOUSLY WET FOR 10 DAYS OR BY AN APPROVED CURING COMPOUND.

STRUCTURAL INSPECTION AND TESTING:

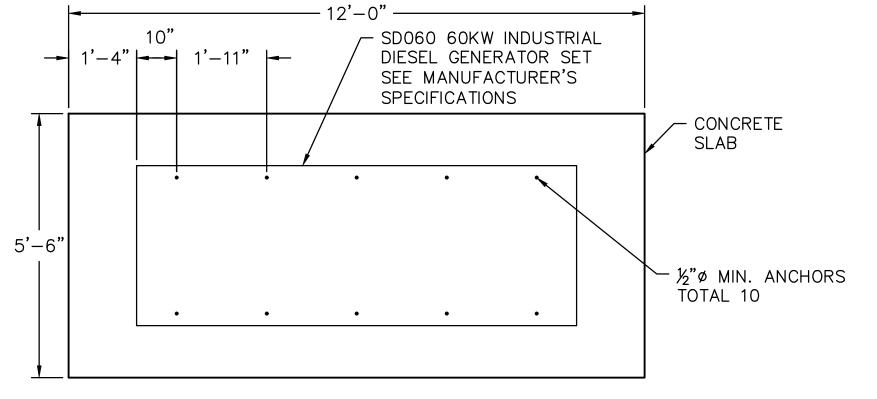
- 1. SPECIAL INSPECTION AND TESTING ARE REQUIRED IN SECTIONS 1704 AND 1705 OF THE CBC. THE "STATEMENT OF SPECIAL INSPECTIONS" SUBMITTED WITH THE PERMIT APPLICATION INDICATES THE SPECIFIC INSPECTIONS AND TESTS THAT ARE REQUIRED AS WELL AS THE PERSONS OR FIRMS RESPONSIBLE FOR THIS WORK.
- 2. ALL TESTS AND INSPECTIONS SHALL BE PERFORMED BY A CERTIFIED SPECIAL INSPECTOR FROM AN INDEPENDENT TESTING AGENCY WHO IS EMPLOYED BY THE OWNER (OR AGENT OF THE OWNER) AND NOT THE CONTRACTOR.
 - A. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.
 - B. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE ARCHITECT, THE ENGINEER AND OTHER DESIGNATED PERSONS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, AND IF UNCORRECTED, TO THE PROPER DESIGN AUTHORITY AND TO THE BUILDING OFFICIAL.
 - C. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND APPLICABLE STANDARDS OF QUALITY AND WORKMANSHIP OF THE CBC.
- 3. THE CONTRACTOR SHALL HOLD A PRE—CONSTRUCTION MEETING INVOLVING THE ARCHITECT, THE ENGINEER, AND THE SPECIAL INSPECTOR TO DISCUSS THE SPECIFIC REQUIREMENTS OF THIS PROJECT.
- 4. MATERIAL TESTING REQUIREMENTS ARE INDICATED IN THE SPECIFICATIONS AND/OR THE GENERAL NOTES.
- 5. ALL EARTHWORK AND GRADING SHOULD BE PERFORMED UNDER THE OBSERVATION OF GROUP DELTA'S REPRESENTATIVE. COMPACTION TESTING OF THE FILL SOILS SHALL BE PERFORMED AT THE DISCRETION OF GROUP DELTA'S REPRESENTATIVE. TESTING SHOULD BE PERFORMED FOR APPROXIMATELY EVERY 2 FEET IN FILL THICKNESS OR 500 CUBIC YARDS OF FILL PLACED, WHICHEVER OCCURS FIRST. IF SPECIFIED COMPACTION IS NOT ACHIEVED, ADDITIONAL COMPACTIVE EFFORT, MOISTURE CONDITIONING OF THE FILL SOILS, AND/OR REMOVAL AND RECOMPACTION OF THE BELOW—MINIMUM COMPACTION SOILS WILL BE REQUIRED.

STATEMENT OF SPECIAL INSPECTIONS:

THE FOLLOWING TESTS AND INSPECTIONS ARE REQUIRED FOR THIS PROJECT. THE TESTS AND INSPECTIONS INDICATED HERE ARE THE RESPONSIBILITIES OF THE OWNER'S SPECIAL INSPECTOR, AS REQUIRED BY SECTION 1704 OF THE CBC.

CAST-IN-PLACE CONCRETE:

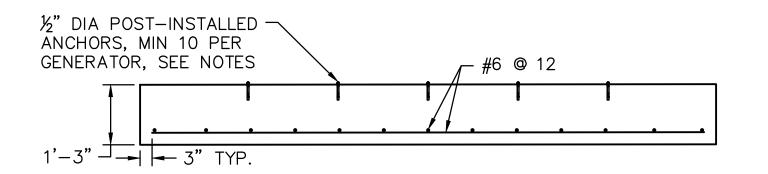
- 1. PROVIDE PERIODIC INSPECTION OF REINFORCING STEEL AND PLACEMENT.
- 2. PROVIDE PERIODIC INSPECTION OF ANCHORS CAST IN CONCRETE.
- 3. VERIFY THE USE OF THE REQUIRED CONCRETE DESIGN MIX.
- 4. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM CONTINUOUS TESTING FOR SLUMP AND AIR CONTENT, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.
- 5. PROVIDE PERIODIC INSPECTION OF THE MAINTENANCE OF THE SPECIFIED CURING TEMPERATURE AND TECHNIQUES.
- 6. PROVIDE PERIODIC INSPECTION OF THE FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.



GENERATOR SLAB PLAN

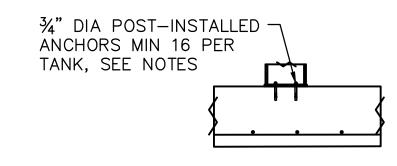
SCALE: \frac{1}{2}"=1"

SEE DETAIL A ON SHEET 3 FOR ENLARGED SITE PLAN



GENERATOR SLAB SECTION

SCALE: \(\frac{1}{2}\)"=1'



FUEL TANK CONNECTION DETAIL SCALE: ½"=1"



COUNTY OF SAN BERNARDINO

ARCHITECTURE & ENGINEERING DEPARTMENT

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INFRASTRUCTURE
PHASE III

CIP NUMBER: 20-030

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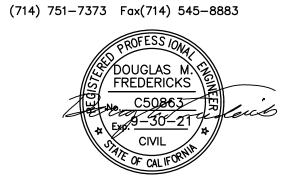
Project Address:

Suite 300

Santa Ana, CA 92707

Fuel Site
15000 Tokay Street, Victorville CA 92395

PSOMAS
5 Hutton Centre Drive



No. REVISION DATE

PRECISE GRADING PLAN

FOUNDATION PLAN

Project No:	20BR010100		
Scale:			
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Date:	08/23/2021		
Drawing Size:	24 x 36		
	· ·		

Drawing Number

S1.10 07 of 14 Sheets

NOTE: CONTRACTOR TO VERIFY ALL CONTROLLING FIELD MEASUREMENT AND ELEVATIONS BEFORE ORDERING OR FABRICATING MATERIAL.