

# LAWNWOOD REGIONAL HOSPITAL

FUEL TANK INSTALLATION  
1700 SOUTH 23 STREET  
FT. PIERCE, FLORIDA 34954



SHEET	INDEX DESCRIPTION
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S1	SITE PLAN
S2	DETAIL PLAN
S	SURVEY



ALL FLORIDA CONTRACTING SERVICES  
3814 NW 126TH AVENUE  
CORAL SPRINGS, FL 33065  
PHONE: 954-775-7767  
FAX: 954-753-3122

ENGINEER OF RECORD: RICKY A. DEROSIA P.E. LICENSE NO. 38604

ITEM	FUEL COMPONENT DESCRIPTION
①	GUILLOTINE FLOW RESTRICTOR MH18426
②	REMOTE DISPENSER 115V AC PUMP MODEL FR713V
③	METER CABINET FR902CRU
④	NON-RECONNECTABLE BREAKAWAY HOSE B075F350
⑤	DIESEL ARCTIC NOZZLE FRNA0750AU10
⑥	KRUEGER LEAK DETECTION GAUGE TYPE K
⑦	KRUEGER LEVEL GAUGE TYPE D
⑧	ANTI-SIPHON VALVE EBW-300-01

### SUMMARY OF WORK:

SUPPLY AND INSTALL 4000 GALLON SPLIT FUEL TANK FOR DISPENSING FUEL INTO VEHICLES (2000 GALLON DIESEL, 2000 GALLON GAS)

### SCOPE OF WORK:

- 1) Obtain approval from St. Lucie County Environmental division
- 2) Permit project through Building and Zoning department
- 3) Saw cut and remove concrete at location for new tank
- 4) Form and pour new concrete pad per detail "A", see sheet S-2
- 5) Set & secure new 4000 gallon above ground Convault UL2085 fuel tank per "FUEL TANK HOLD DOWN METHOD".
- 6) Install components on new tank
- 7) Run (2) SETS 2-#12, w/ 2-#12 GND THHN/THWN wire in 3/4" from panel EQLA breaker location #32,34 in electrical room to tank dispensing pumps (120 volt, 20 amp circuits)
- 8) Install emergency stop button a minimum of 20' from tank for dispensing pump (see sheet S-1 for location)
- 9) Start-up and test

### NOTES:

- 1) NO FUEL PIPING IS NEEDED OR INCLUDED IN THE WORK SCOPE
- 2) TANK WILL HAVE PLACARDS PLACED AROUND TANK PER "SIGNAGE DETAIL"
- 3) NEW TANK IS SPLIT 4000 GALLONS, 2000 GALLON DIESEL, 2000 GALLON GAS, UL2085, STEEL INTERIOR AND CONCRETE EXTERIOR
- 4) EQ NUMBERS ARE SHOWN UNDER "FDEP REQUIREMENTS"
- 5) TANK WILL BE VENTED WITH 2" RIGID GALVANIZED PIPE 12' ABOVE GRADE
- 6) ALL ELECTRICAL CONDUITS INSIDE WILL BE EMT, OUTSIDE RGS, AND UNDERGROUND SCHEDULE 40 PVC. NOTE: NO VEHICULAR TRAFFIC
- 7) GROUNDING PER NEC 250
- 8) ALL CONCRETE TO HAVE A 28 DAY COMPRESSION STRENGTH (MIN 3000 PSI)
- 9) TANK COMES WITH FACTORY INSTALLED ANTI-SIPHON VALVE (EBW 606-300-001) AND BALL CHECK VALVE

### SIGNAGE DETAIL

- 2- CONVAULT PLACARDS 12" X 8"
- 2- NO SMOKING PLACARDS 20" X 3-1/2"
- 2- COMBUSTIBLE PLACARDS 20" X 3-1/2"
- 2- PRODUCT PLACARDS 20" X 3-1/2"
- 2- WEIGHT PLACARDS 13-1/2" X 2"
- 2- SIZE BY GALLON PLACARDS 13" X 2"
- 1- LEAK DETECTOR PLACARD 20" X 3-1/2"
- 1- FILL PLACARD 6" X 2"
- 1- CAUTION PLACARD 20" X 3-1/2"
- 1- EMERGENCY PLACARD 20" X 2"
- 1- VENT PLACARD 6" X 2"

### FDEP REQUIREMENTS

ITEM	MANUFACTURER/MODEL	ITEM
TANK	CONVAULT 4000 GALLON TANK	EQ-750
SPILL/FILL	INCLUDED IN EQ-750 ABOVE	
OVERFILL	GUILLOTINE FLOW RESTRICTOR	EQ-637
LEAK DET.	KRUEGER LEAK DETECTION GAUGE	EQ-675
LIQUID LEVEL	KRUEGER LEVEL GAUGE	EQ-730

### FUEL NOTES:

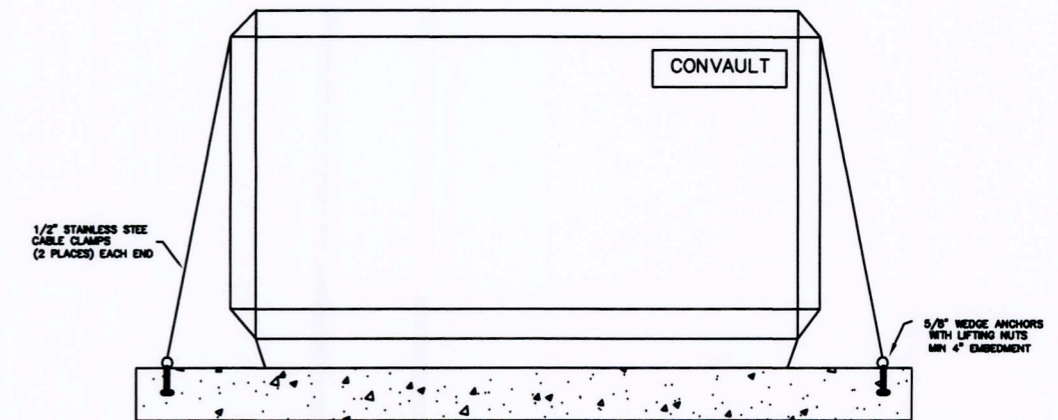
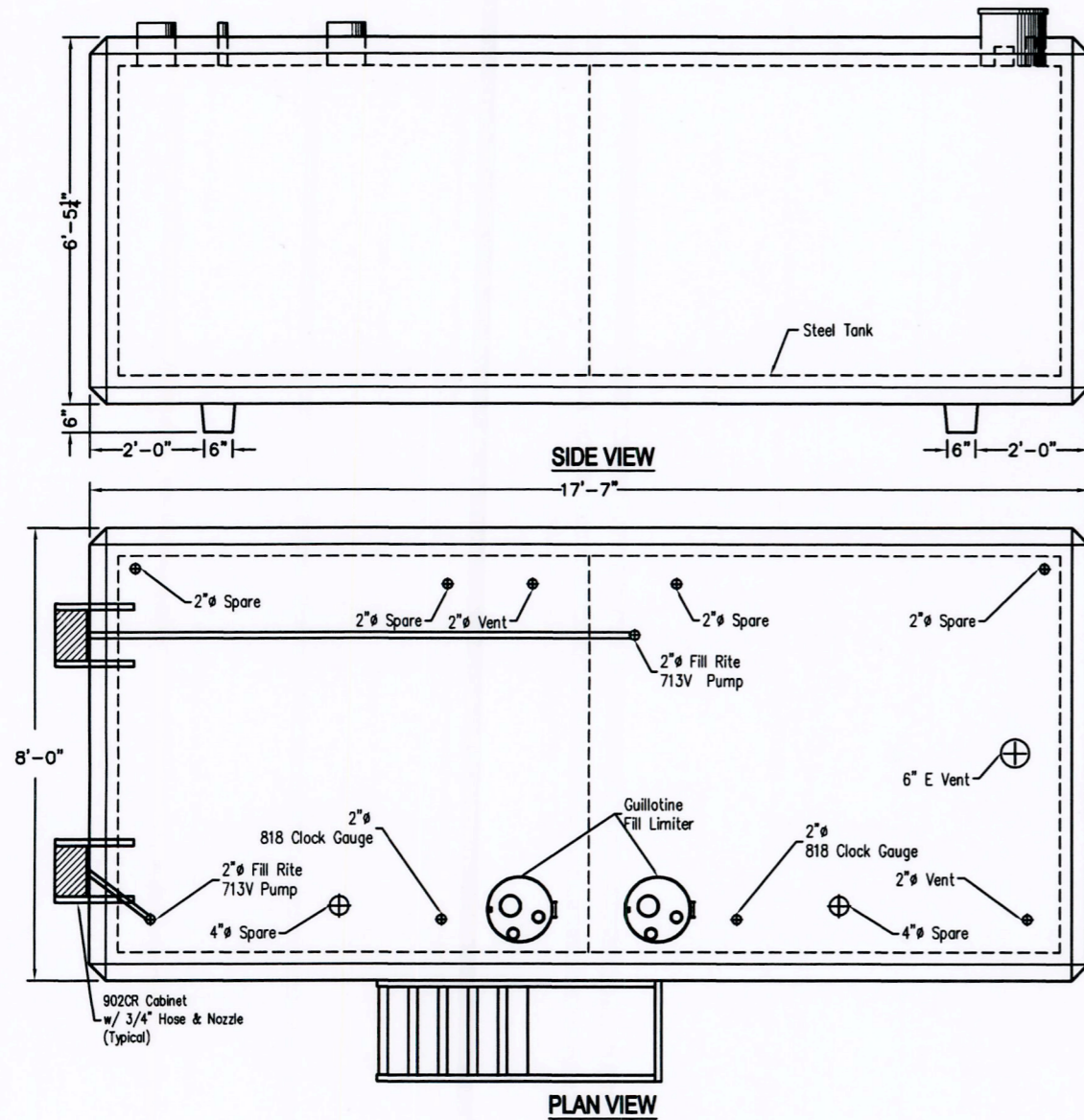
1. ALL NEW PETROLEUM EQUIPMENT, MATERIALS, AND ACCESSORIES SHALL BE FDEP APPROVED. ALL PETROLEUM EQUIPMENT, MATERIALS, AND ACCESSORIES SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH APPLICABLE MANUFACTURER'S INSTRUCTIONS.
2. ALL TANK AND PIPING INSTALLATION WORK IS TO BE PERFORMED BY A STATE REGISTERED POLLUTANT STORAGE SPECIALTY CONTRACTOR.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE STATE, COUNTY AND MUNICIPAL REQUIREMENTS---THE LATEST FLORIDA BUILDING CODE; FLORIDA FIRE PREVENTION CODE; NATIONAL ELECTRIC CODE; AND THE FOLLOWING REFERENCE STANDARDS:

NATIONAL FIRE PROTECTION ASSOCIATION:	
30	FLAMMABLE AND COMBUSTIBLE LIQUID CODE
30A	MOTOR FUEL DISPENSING FACILITIES AND REPAIR GARAGE
70	NATIONAL ELECTRIC CODE
704	STANDARD SYSTEMS FOR THE IDENTIFICATION OF THE HAZARDS OF MATERIALS FOR EMERGENCY RESPONSE

PETROLEUM EQUIPMENT INSTITUTE:  
RP200 RECOMMENDED PRACTICES FOR INSTALLATION OF ABOVE GROUND SYSTEMS FOR MOTOR VEHICLE FUELING

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION:  
62-762 ABOVE GROUND STORAGE TANK SYSTEMS

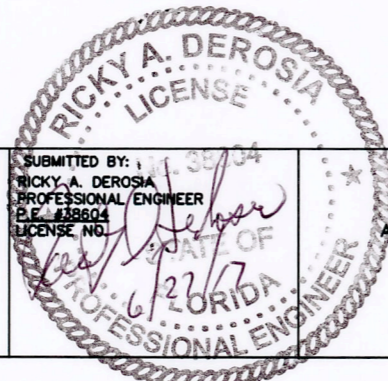
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING UNDERGROUND UTILITIES IDENTIFICATION BY CONTACTING SUNSHINE ONE CALL (1-800-432-4770) AND APPLICABLE MUNICIPAL JURISDICTION AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR GIVING REQUIRED NOTICE(S) AND SCHEDULING APPLICABLE CITY, COUNTY AND/OR STATE INSPECTIONS AS REQUIRED FOR PERMIT CLOSE OUT(S).



FUEL TANK HOLD DOWN METHOD

REVISIONS:	DATE:	BY:	DESCRIPTION:
1			
2			

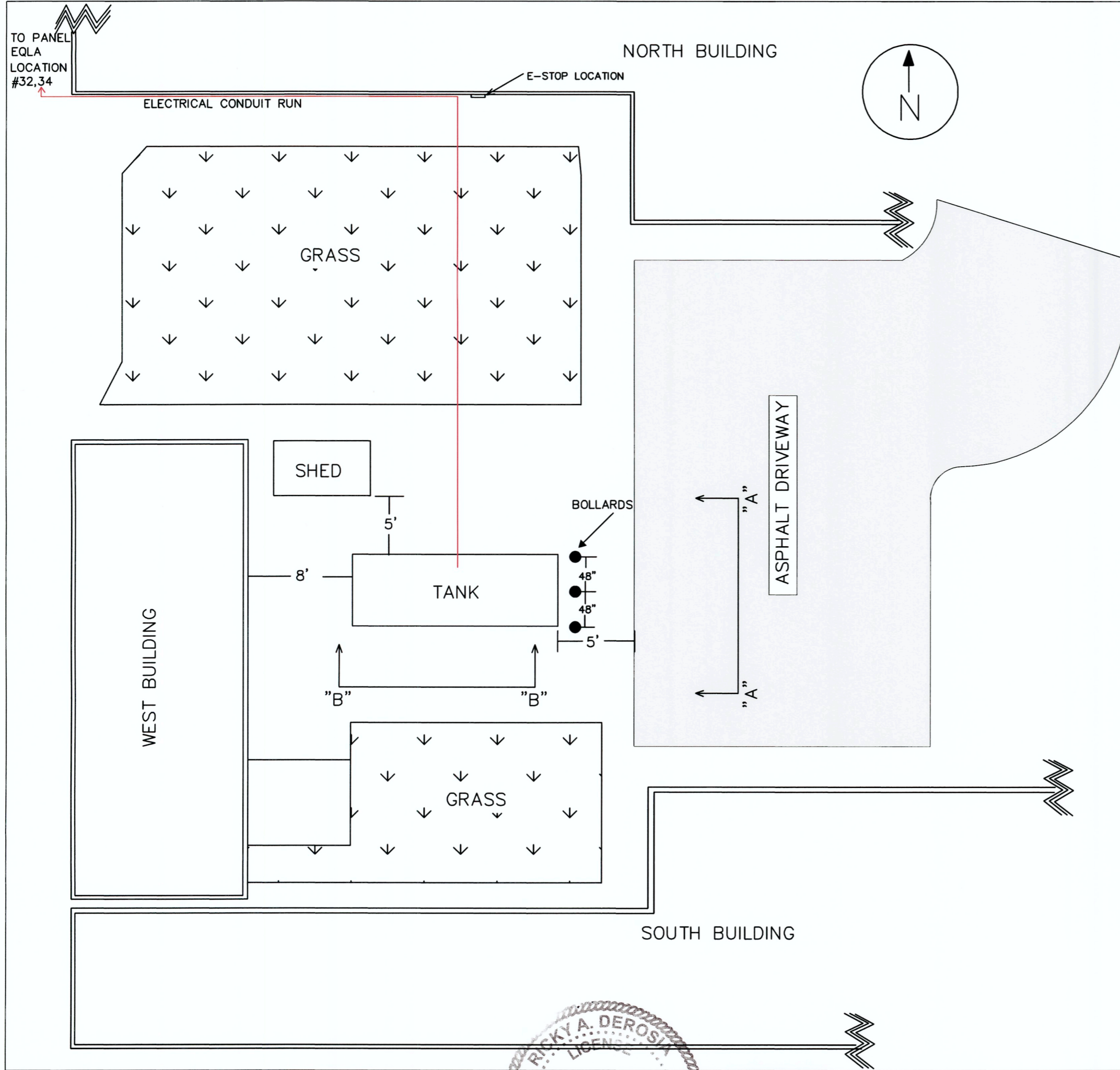
SUBMITTED BY:  
MICHAEL COX  
POLLUTANT STORAGE CONTRACTOR  
LIC. NO. EC001258894  
MICHAEL COX  
GENERAL CONTRACTOR  
LIC. NO. CC001517580  
MICHAEL COX  
ELECTRICAL CONTRACTOR  
LIC. NO. EC0002256



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SHEET TITLE:	SHEET NO.
FUEL TANK INSTALLATION	P-1



B-B LOCATION DETAIL



A-A LOCATION DETAIL

REVISIONS:	DATE:	BY:	DESCRIPTION:
1			
2			

SUBMITTED BY:  
 MICHAEL COX  
 POLLUTANT STORAGE CONTRACTOR  
 ECC1256894  
 LICENSE NO.  
 MICHAEL COX  
 GENERAL CONTRACTOR  
 DC1517560  
 LICENSE NO.  
 MICHAEL COX  
 ELECTRICAL CONTRACTOR  
 EC0002256

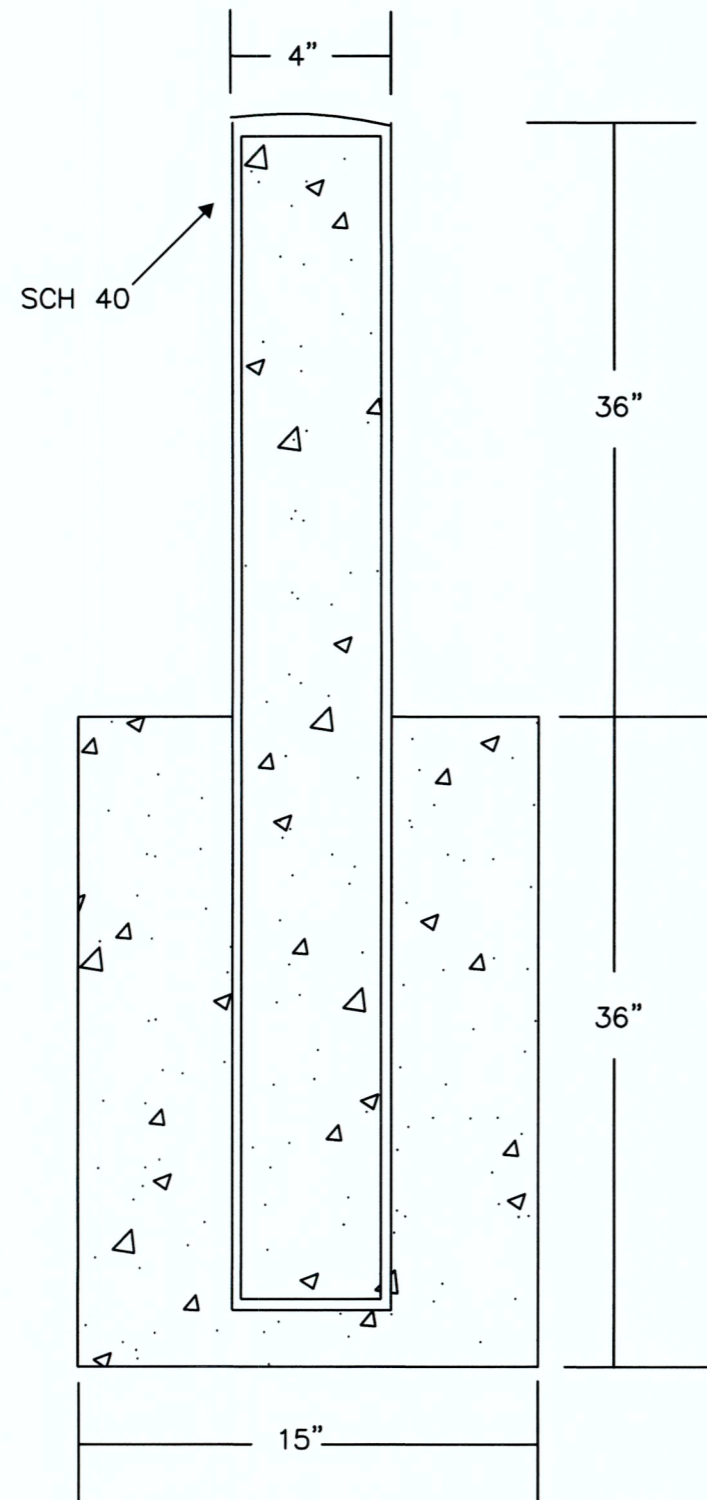
SUBMITTED BY:  
 RICKY A. DEROSA  
 PROFESSIONAL ENGINEER  
 P.E. #38804  
 LICENSE NO.  
 RICKY A. DEROSA  
 PROFESSIONAL ENGINEER

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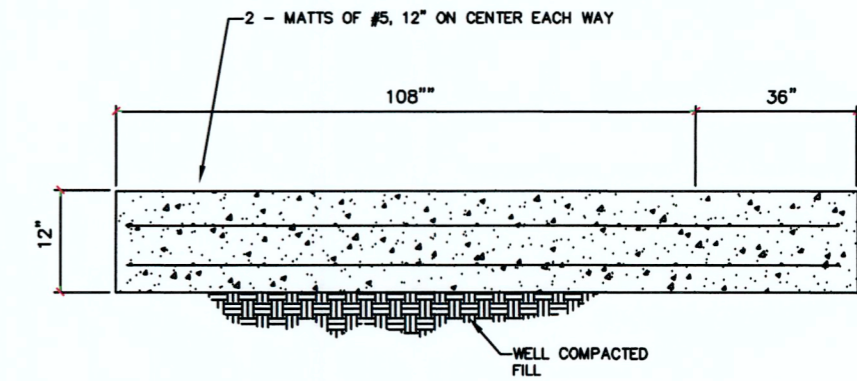
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SHEET TITLE: SITE PLAN	SHEET NO. S-1
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NOTE: INSTALL BOLLARDS PER NFPA 4.3.7.2 AROUND FUEL TANKS MAXIMUM OF 4 FEET ON CENTER.

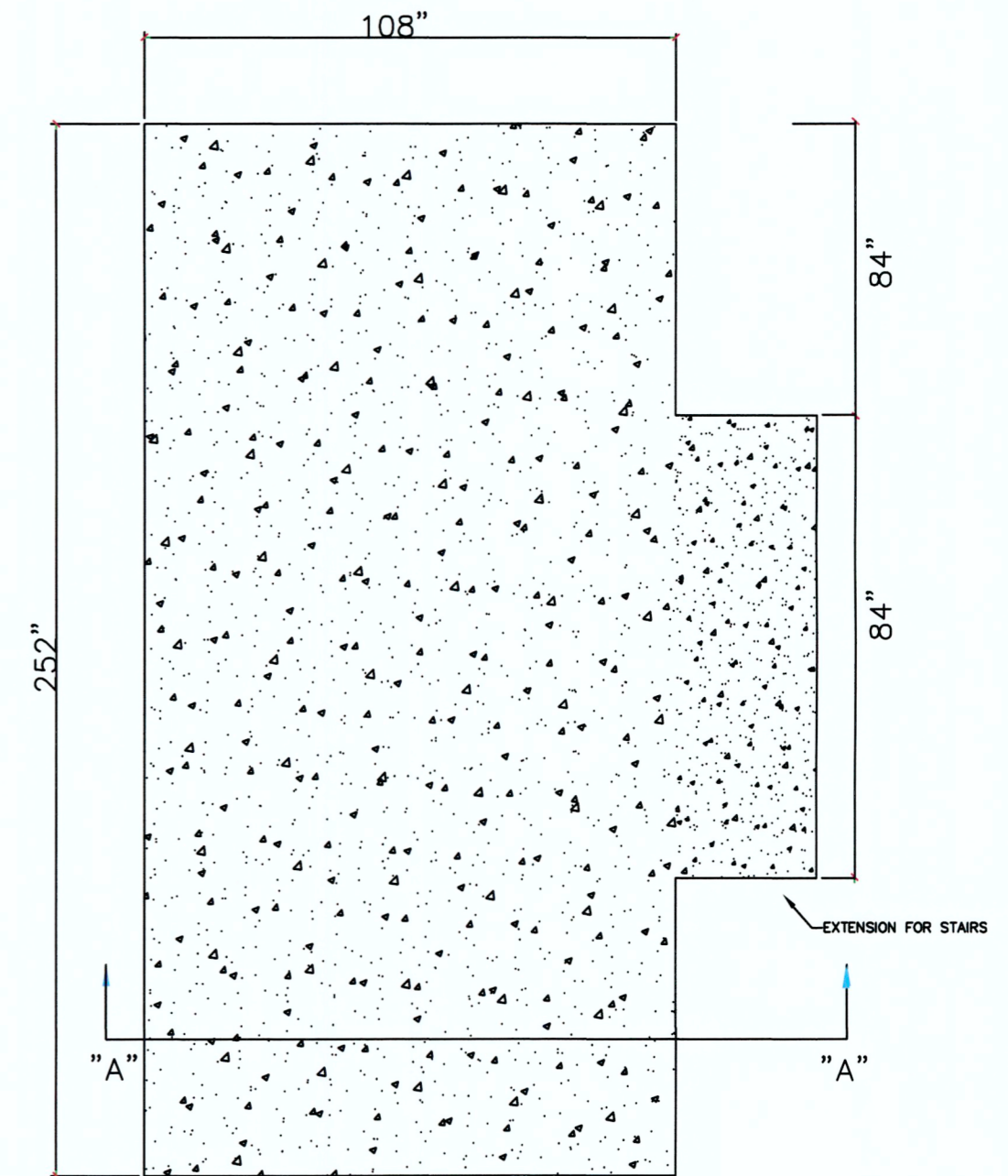


BOLLARD DETAIL



A-A SLAB DETAIL

NOT TO SCALE

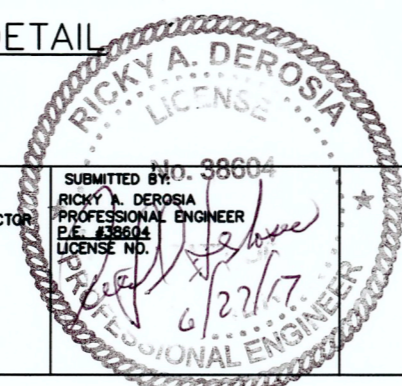


SLAB DETAIL "TANK"

NOT TO SCALE

REVISIONS:	DATE:	BY:	DESCRIPTION:
▲			
▲			

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SHEET TITLE:	SHEET NO.
DETAIL PLAN	S-2

