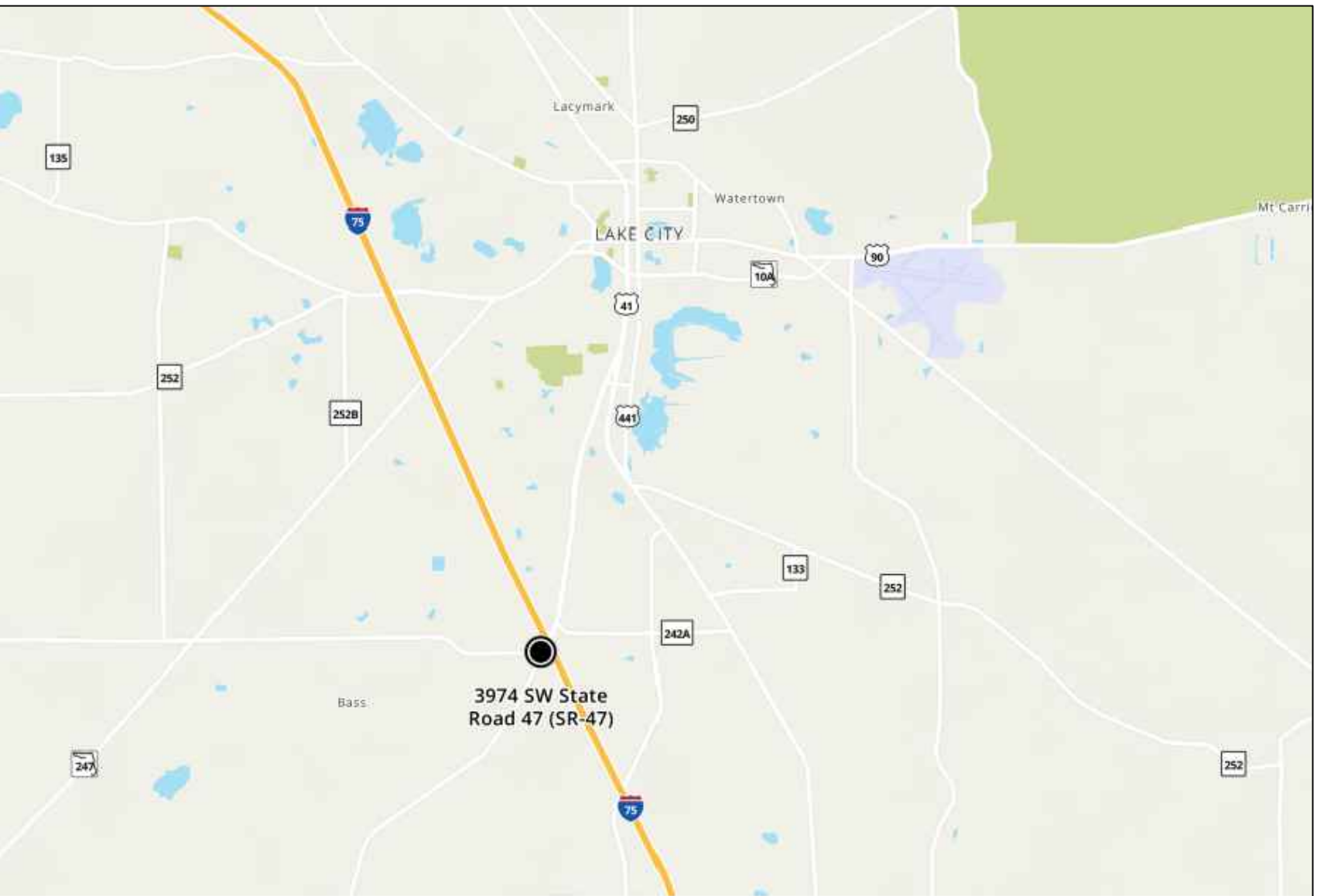


FUEL TANK PLANS
FOR
STOP & GO #4
LAKE CITY, FL

LEGAL DESCRIPTION (FROM PROPERTY APPRIASER)
COMM NW COR OF NW1/4 OF NW1/4, E 1020.15
FT TO W R/W I-75, SE ALONG R/W 1195.87 FT
FOR POB, W 196.16 FT, S 150 FT, E 150 FT, NE
157.11 FT TO POB.

PREPARED FOR
PRECISION PETROLEUM
6195 90TH AVE N
PINELLAS PARK,FL,33782

LOCATION MAP



SHEET LIST


TITLE	SHEET NO.
COVER SHEET	C-1
SURVEY (BY OTHERS)	V-1
AERIAL SITE & FUEL TANK PLAN	C-2
TANK PLAN DETAILS	C-3
TANK PLAN DETAILS	C-4

THIS ITEM HAS BEEN DIGITALLY SIGNED
AND SEALED BY FRANK CARTER, P.E.
41852. PRINTED COPIES OF THIS
DOCUMENT ARE NOT CONSIDERED
SIGNED AND SEALED AND THE
SIGNATURE MUST BE VERIFIED ON ANY
ELECTRONIC COPIES.



Digitally signed by William F.
Carter
DN: c=US, sn=Carter,
givenName=William F.,
serialNumber=0f68b475-0bcd-
440d-ade5-6eeaf938f63f,
cn=William F. Carter
Date: 2025.06.07 14:19:50
-04'00'



 <p>3 WORKING DAYS BEFORE YOU DIG CALL SUNSHINE STATE ONE CALL OF FLORIDA 1-800-432-4770 FOR THE LOCATION OF UNDERGROUND FACILITIES</p> <p>THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.</p>	COVER SHEET	<p>W.F.C. ENGINEERING, INC. ENGINEERING LAND PLANNING & DESIGN Certificate of Authorization Number 00009541</p> <p>Phone: (813) 264-7650 Email: wfceng@verizon.net Email: awful@embarqmail.com</p> <p>14918 Knotty Pine Place, Tampa, Florida 33625</p>	PLAN DATE: 05-31-25														
	STOP & GO # 4 3974 SW ST. RD 47 LAKE CITY, FL, 32055		<table><tr><th>NO.</th><th>REVISIONS</th><th>DATE</th></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table>		NO.	REVISIONS	DATE										
NO.	REVISIONS	DATE															
COLUMBIA COUNTY	PREPARED FOR: PRECISION PETROLEUM 6195 90TH AVE N PINELLAS PARK, FLORIDA, 33782	SHEET NO. C-1	WILLIAM F. CARTER, P.E. NO. 41852														

BOUNDARY SURVEY

IN
SECTION 30, TOWNSHIP 04 SOUTH,
RANGE 17 EAST
COLUMBIA COUNTY, FLORIDA

WEST R/W OF
STATE ROAD NO. 47

EASEMENT FOR
INGRESS-EGRESS
ORB 234, PAGE 59

SURVEY OF: (DESCRIPTION PROVIDED BY CLIENT)

A PART OF THE NW 1/4 OF NW 1/4 FURTHER DESCRIBED AS: BEGIN AT THE INTERSECTION OF THE NORTH R/W LINE OF STATE ROAD NO. S-242 AND THE WEST R/W LINE OF STATE ROAD NO. 47, RUN THENCE NORTH 89°47'29" W 150.00 FEET TO A POINT ON SAID NORTH R/W LINE OF STATE ROAD NO. S-242; RUN THENCE NORTH 0°12'31" E 150.00 FEET TO A POINT; RUN THENCE S 89°47'29" EAST 196.16 FEET TO A POINT ON THE WEST R/W LINE OF STATE ROAD NO. 47; RUN THENCE SOUTH 16°28'37" W ALONG SAID WEST R/W LINE OF STATE ROAD NO. 47, 142.20 FEET TO A POINT; RUN THENCE SOUTH 25°20'22" WEST 14.91 FEET TO THE POINT OF BEGINNING; AND A PERMANENT EASEMENT OF INGRESS AND EGRESS WHICH WAS CONVEYED BY LAKE FORD, INC. TO GRANTOR'S PREDECESSORS IN TITLE BY EASEMENT AGREEMENT DATE AUGUST 1, 1964, AND RECORDED IN OFFICIAL RECORDS BOOK 234, PAGE 59, PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA, OVER AND ACROSS THE FOLLOWING DESCRIBED PREMISES LOCATED AND ADJACENT TO THE ABOVE DESCRIBED PARCEL:

BEGIN AT THE INTERSECTION OF THE NORTH R/W LINE OF STATE ROAD NO. S-242 AND THE WEST R/W LINE OF STATE ROAD NO. 47; RUN THENCE NORTH 25°20'22" EAST 14.91 FEET ALONG THE WEST R/W LINE OF STATE ROAD NO. 47; THENCE RUN NORTH 16°28'37" EAST ALONG SAID R/W LINE OF STATE ROAD NO. 47 A DISTANCE OF 142.20 FEET TO POINT OF BEGINNING; RUN THENCE NORTH 89°47'29" WEST ALONG THE COMMON BOUNDARY LINE OF PROPERTIES OWNED BY GRANTOR AND LAKE FORD, INC., 110 FEET; RUN THENCE IN A NORTHEASTERLY DIRECTION ALONG A STRAIGHT LINE TO A POINT ON THE WEST R/W LINE OF STATE NO. 47, SAID POINT BEING 45 FEET NORTHEAST OF THE POINT OF BEGINNING; RUN THENCE S 16°28'37" WEST ALONG THE WEST R/W LINE OF STATE ROAD NO. 47 A DISTANCE OF 45 FEET TO THE POINT OF BEGINNING.
CONTAINING 26117 SQUARE FEET MORE OR LESS.

NAIL & DISC LB 6685 SET IN ASPHALT PAVEMENT

TYPE "F" CURB

ASPHALT PAVEMENT

FLUME

DRAINAGE DITCH

EDGE OF PAVEMENT

STATE ROAD NO. 47

EDGE OF PAVEMENT

NOTES:

1. BEARINGS ARE BASED ON AN ASSUMED MERIDAN OF S 16°28'37" W. FOR THE WEST R/W LINE OF STATE ROAD NO. 47 AS SHOWN ON SURVEY BY W.C. HALE DATED 07-29-86.
2. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR TITLE POLICY. THEREFORE EXCEPTION IS MADE HEREON REGARDING EASEMENTS, RESERVATIONS AND RESTRICTIONS OF RECORD NOT PROVIDED BY THE CLIENT.
3. SUBJECT PROPERTY LIES IN FLOOD ZONE "X" (UN-SHADED), PER FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 120070-0175 B. LAST REVISION DATE JANUARY 6, 1988.
4. ONLY THOSE VISIBLE INTERIOR IMPROVEMENTS AND IMPROVEMENTS PERTINENT TO THE SUBJECT PROPERTY HAVE BEEN LOCATED. EXCEPTION IS MADE HEREON TO UNDERGROUND FACILITIES AND OTHER IMPROVEMENTS NOT VISIBLE OR KNOWN AT DATE OF SURVEY.
5. CLOSURE EXCEEDS 1 : 10,000.
6. OVERHEAD ELECTRIC, IF ANY, NOT LOCATED.

ASPHALT PAVEMENT

TYPE "F" CURB

GRASS

GRASS

GRASS

COUNTY ROAD NO. C-242
(FORMERLY STATE RD. NO. S-242)

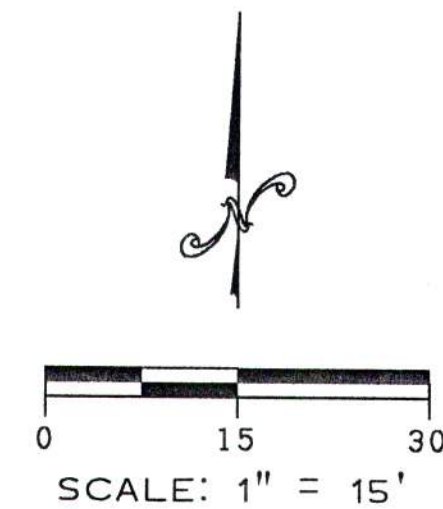
EDGE OF PAVEMENT

ABBREVIATIONS:

FND = FOUND	POB = POINT OF BEGINNING
CL = CENTERLINE	POC = POINT OF COMMENCEMENT
P = PLAT	NO ID = NO IDENTIFICATION
D = DEED	R/W = RIGHT-OF-WAY
C = CALCULATED	PCP = PERMANENT CONTROL POINT
M = MEASURED	PRM = PERMANENT REFERENCE MONUMENT
O/S = OFFSET	CM = CONCRETE MONUMENT
IP = IRON PIPE	IR = IRON ROD
RB = REBAR	RB+C = REBAR & CAP
NL = NAIL	NL+D = NAIL & DISC
ASP. = ASPHALT PAVEMENT	

LEGEND

○	IRON PIPE SET (AS NOTED)	→	GUY WIRE
●	IRON PIPE FOUND (AS NOTED)	○	TELEPHONE POLE
□	4"x4" CONC. MON. SET	□	TELEPHONE PEDESTAL
■	4"x4" CONC. MON. FOUND	○	LIGHT POLE
●	DOT MARKER FOUND	■	CONCRETE
***	FENCE		
◇	POWER POLE		



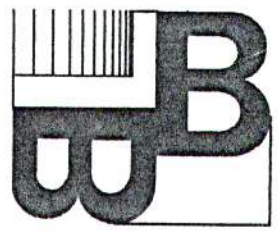
SURVEY FOR: DHIMANT AND GITA SONI
RIMA OF LAKE CITY, INC.
YOGI OF LAKE CITY, INC.
COLUMBIA COUNTY BANK
TERRY MCDONALD
ATTORNEYS TITLE INSURANCE FUND
OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY
FIRST AMERICAN TITLE INSURANCE COMPANY

12-27-02
DATE OF SIGNATURE:
12-16-02
DATE OF FIELD SURVEY:

Timothy B. Alcorn
TIMOTHY B. ALORN
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. 6332

SURVEY VALID ONLY TO THE DATE OF FIELD SURVEY SHOWN HEREON. NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. FLORIDA CERTIFICATE OF AUTHORIZATION NO. LB6685

BAILEY BISHOP & LANE, INC.
484 SW COMMERCE DRIVE, SUITE 130
P. O. BOX 3717
LAKE CITY, FL 32056-3717
PH. (386) 752-5640 FAX (386) 755-7771
Eng. Lic. 7362 Survey Lic. LB-0006685



DHIMANT SONI

REVISIONS

DRAWN BY:
BWB
JOB NUMBER
021213SONI
FIELD BOOK

144 : 11
SHEET NO.
1 OF 1

BASIS OF DRAWING
AERIAL, PROPERTY LINES, AND ALL
PHYSICAL FEATURES BASED ON
GEOLOCATED, GIS, AND SURVEY DATA.
CONTRACTOR TO CONFIRM ANY
DISCREPANCIES AND NOTIFY EOR.

ELECTRICAL
CONTRACTOR TO TIE INTO EX.
ELECTRICAL CONDUIT AND EX.
ELECTRICAL PANEL.

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AND SEALED BY FRANK CARTER, P.E.
41852. PRINTED COPIES OF THIS
DOCUMENT ARE NOT CONSIDERED
SIGNED AND SEALED AND THE
SIGNATURE MUST BE VERIFIED ON ANY
ELECTRONIC COPIES.



Digitally signed by William F. Carter
DN: c=US, sn=Carter, givenName=William
F., serialNumber=0f68b475-0bcd-440d-
ade5-6eeaf938f63f, cn=William F. Carter
Date: 2025.06.07 14:28:38 -04'00'

LEGEND

- CONC. CONCRETE
FFE FINISHED FLOOR ELEVATION
--- PROPERTY LINE
--- SURFACE WATER FLOW
U SHAPED BUMPER GUARD
• VENT PIPE

20 0 20
SCALE : 1" = 20'

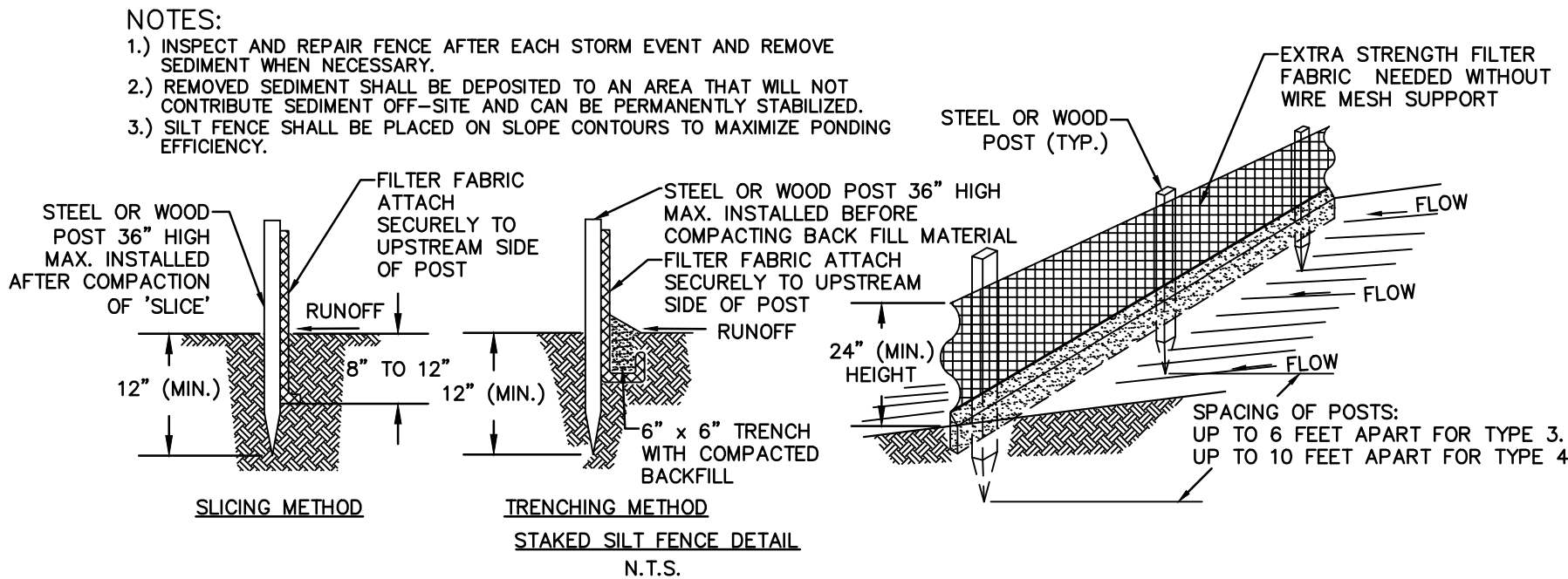


CONTRACTOR'S SCOPE OF WORK

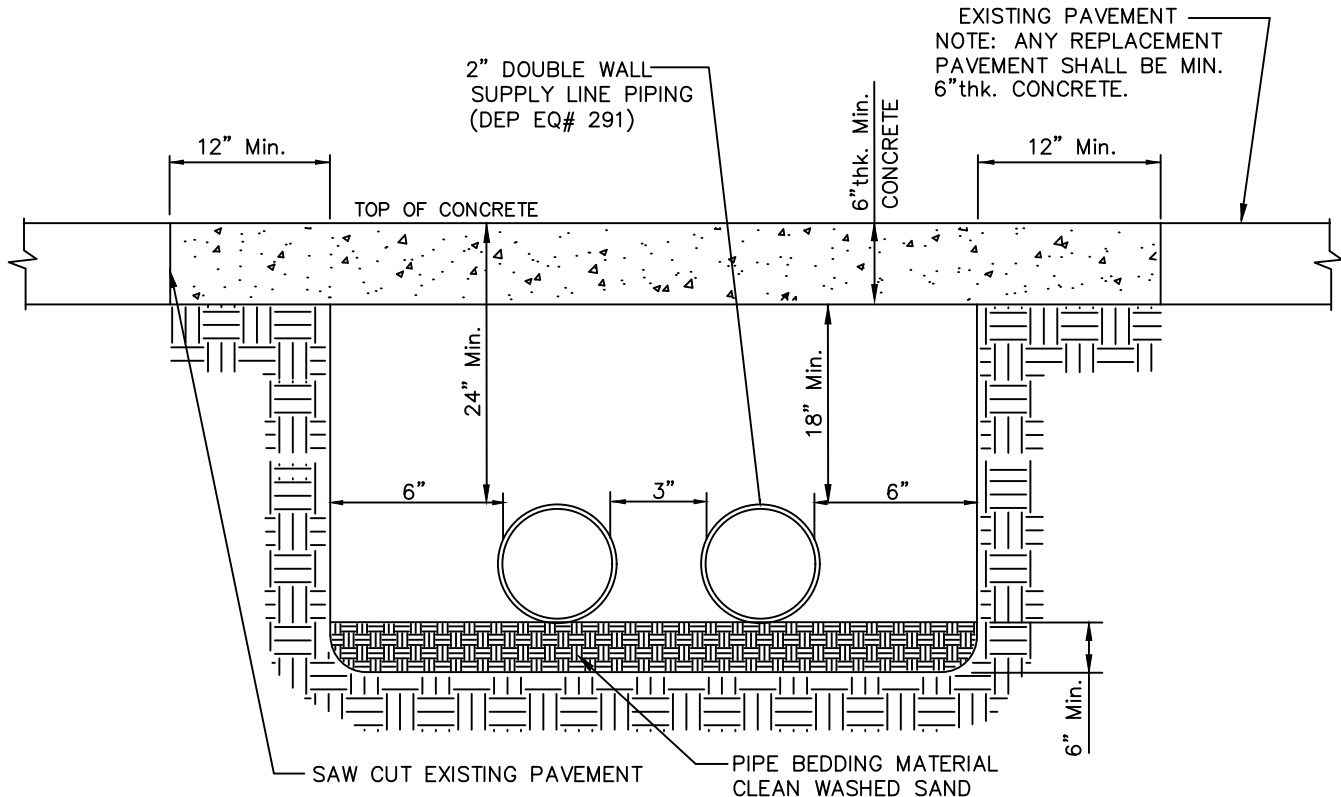
- VAPOR FREE (3) EXISTING 10000 GALLON TANKS AND FOAM FILL (3) 10,000 GALLON TANKS IN PLACE.
- EXCAVATE, SHEET PILE AND SUPPLY AND INSTALL (1) 20,000 GALLON THREE COMPARTMENT DOUBLE WALL TANK TYPE TWO MODERN WELDING TANKS. (12-4-4) (TANK SUPPLIED BY CUSTOMER)
- SUPPLY AND INSTALL ALL REQUIRED TANK HOLD DOWN SLAB.
- BACK FILL AND COMPACT ENTIRE TANK EXCAVATION WITH EXISTING FILL DIRT.
- SUPPLY AND INSTALL (3) FIBERGLASS TANK SUMPS WITH TANK ADAPTERS.
- SUPPLY AND INSTALL (3) FE PETRO 1 1 /2 HP SUB. PUMPS, (3) RELAY BOXES AND (3) LEAK DETECTORS.
- SUPPLY AND INSTALL ALL REQUIRED 4" GALVANIZED RISER PIPES INCLUDING TANK GAGE RISERS.
- SUPPLY AND INSTALL (3) FIVE GALLON DOUBLE WALL OVERSPILL BUCKETS (EMCO WHEATON) WITH FILL CAPS AND ADAPTERS.
- SUPPLY AND INSTALL (3) OVERFILL TUBES.
- SUPPLY AND INSTALL ALL REQUIRED " DOUBLE WALL FIBERGLASS LCX FUEL PIPING FROM NEW TANK TO EXISTING DISPENSER SUMPS. PIPING TO TIE INTO EXISTING PIPING AT FRONT OF EXISTING DISPENSER SUMPS. EXISTING DISPENSER SUMPS TO REMAIN IN PLACE.
- SUPPLY AND INSTALL REQUIRED, BALL VALVES, ELBOWS, ENTRY BOOTS AND TEST BOOTS TO COMPLETE PIPING INSTALLATION.
- SUPPLY AND INSTALL AMERON 2" FIBERGLASS VENT PIPING FOR NEW TANKS. VENTS TO BE LOCATED BEHIND CURB.
- SUPPLY AND INSTALL (1) U SHAPED BUMPER GUARD FOR VENT STACKS
- PROVIDE (3) 39" MAN HOLES, (6) 18" MAN HOLES TO COMPLETE TANK INSTALLATION.
- POUR AND FINISH 32' X 54' X 8" NEW TANK PAD REINFORCED WITH #5 REBAR FIBER MESH & 3500 PSI CONCRETE. POUR AND FINISH ALL REQUIRED PIPING TRENCHES 3500 PSI CONCRETE REINFORCED WITH FIBER MESH.AREA NOT TO EXCEED 2550 SQ. FT. EACH ADDITIONAL SQ. FT. IF NEEDED WILL BE CHARGED AT \$8.55 PER SQ. FT.
- PROVIDE REQUIRED ELECTRICAL FOR TANK GAUGE, (3) SUB. PUMPS (4) DISPENSERS AND EXISTING VEEDER ROOT NOTE: ALL ELECTRICAL FOR NEW TANK TO TIE INTO CONDUIT AT EXISTING TANK AREA.ALL ELECTRICAL FOR DISPENSERS TO TIE IN AT FRONT OF DISPENSERS EXISTING WIRE TO BE USED. IF NEW CONDUIT TO BUILDING IS REQUIRED ADDITIONAL COSTS WILL BE ADDED. IF NEW PANEL , BREAKERS, OR E-STOP ARE REQUIRED ADDITIONAL COSTS WILL BE ADDED.
- SUPPLY AND INSTALL (3) INVENTORY PROBES,(3) SUMP SENSORS, (1) INTERSTITIAL SENSORS. (FOR EXISTING VEEDER ROOT.)
- PURGE AND CALIBRATE FUEL SYSTEM.
- PERFORM AND CERTIFY TANK AND LINE TESTS .
- SUPPLY FENCING DURING CONSTRUCTION.
- PROVIDE REQUIRED INSPECTIONS.

GENERAL NOTES

- EXISTING DISPENSORS AND SUMPS TO REMAIN IN PLACE.
- ALL ELECTRICAL TO TIE INTO EXISTNG CONDUIT FROM EXISTING DISPENSORS.
- INSTALL (1) 20,000 GALLON THREE COMPARTMENT (12-4-4) DOUBLE WALL TYPE TWO MODERN WELDING COMPANY UNDERGROUND FUEL TANK.
- VAPOR FREE (3) EXISITNG 10,000 GALLON TANKS, FOAM FILL (3) 10,000 GALLON TANKS IN PLACE.
- SUPPLY AND INSTALL 2" FIBERGLAS LCX VENT PIPING TO NEW TANKS.
- SUPPLY FENCING AND EROSION CONTROL PRIOR TO ANY EXCAVATION.

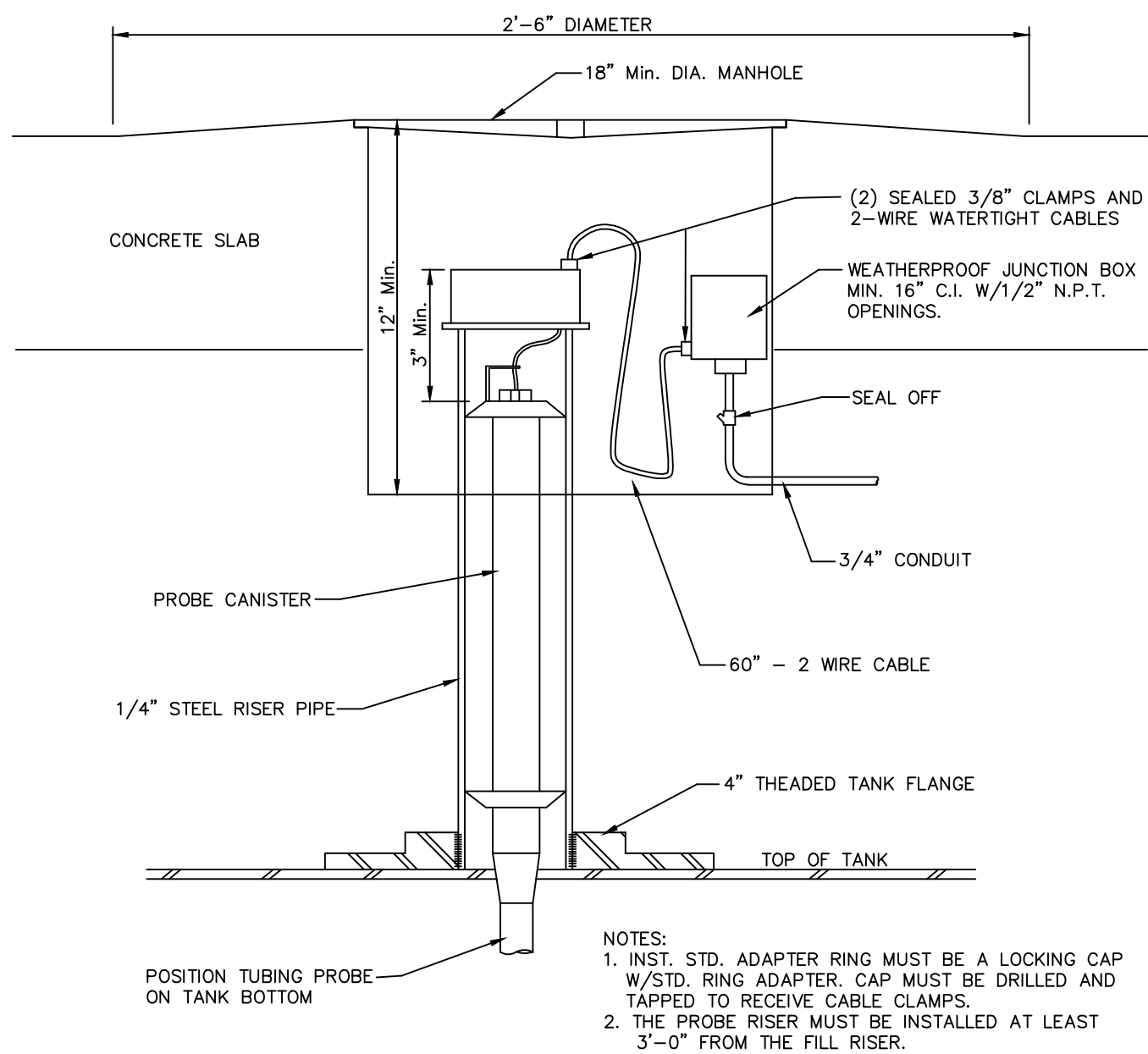
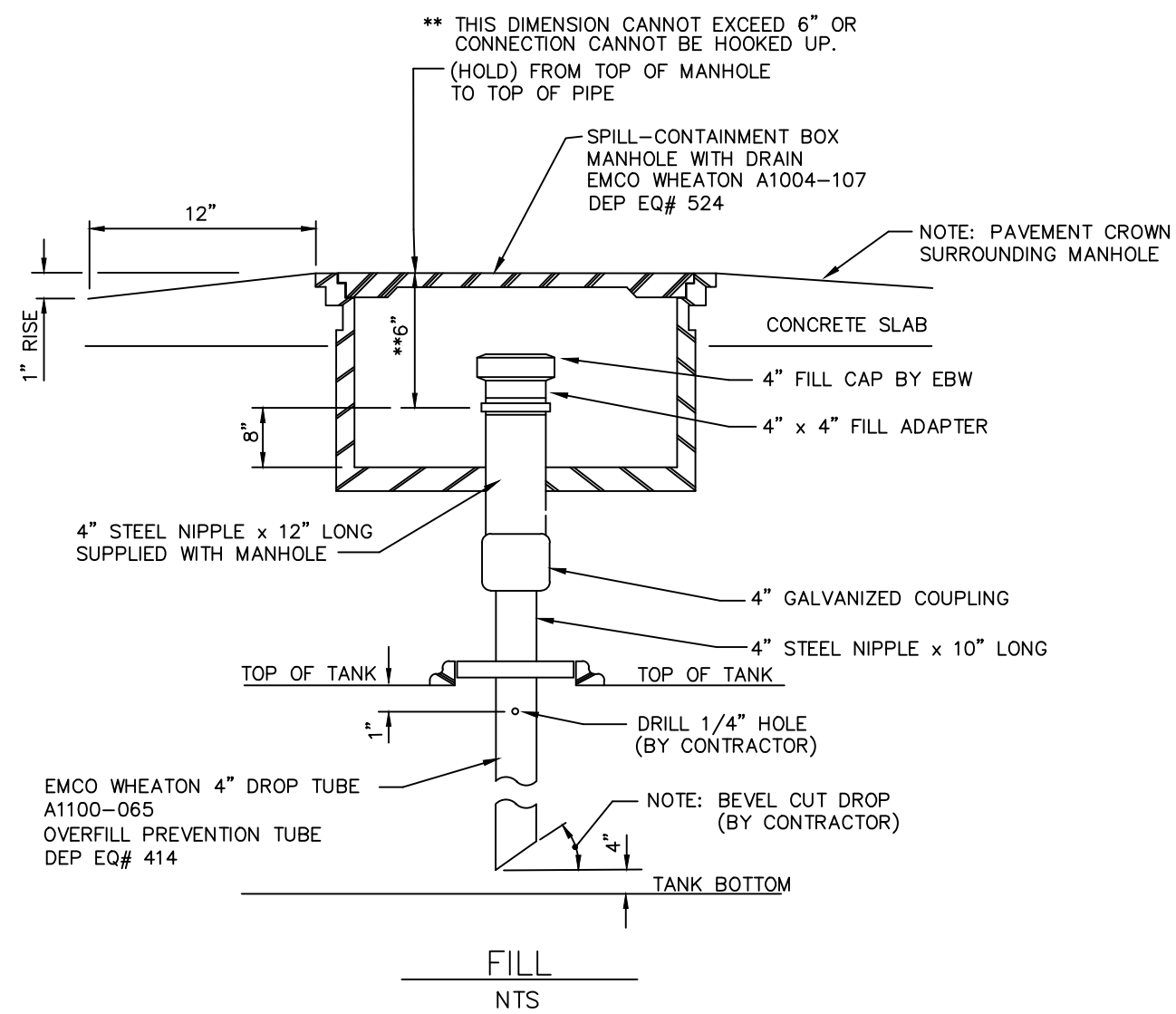


	3 WORKING DAYS BEFORE YOU DIG CALL SUNSHINE STATE ONE CALL OF FLORIDA 1-800-432-4770 FOR THE LOCATION OF UNDERGROUND UTILITIES	AERIAL SITE & TANK PLAN		PLAN DATE: 05-31-25		
	THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.	STOP & GO # 4 3974 SW ST. RD 47 LAKE CITY, FL, 32055	W.F.C. ENGINEERING, INC. ENGINEERING LAND PLANNING & DESIGN Certificate of Authorization Number 00009541		NO. REVISIONS DATE	
	COLUMBIA COUNTY	PREPARED FOR: PRECISION PETROLEUM, INC. 6195 90TH AVE. N PINELLAS PARK, FLORIDA, 33782	Phone: (813) 264-7650Email: wfceng@verizon.net Email: awuhul@embargmail.com 14918 Knotty Pine Place, Tampa, Florida 33625		SHEET NO. C-2	
			14918 Knotty Pine Place, Tampa, Florida 33625		William F. Carter WILLIAM F. CARTER, P.E. NO. 41852	



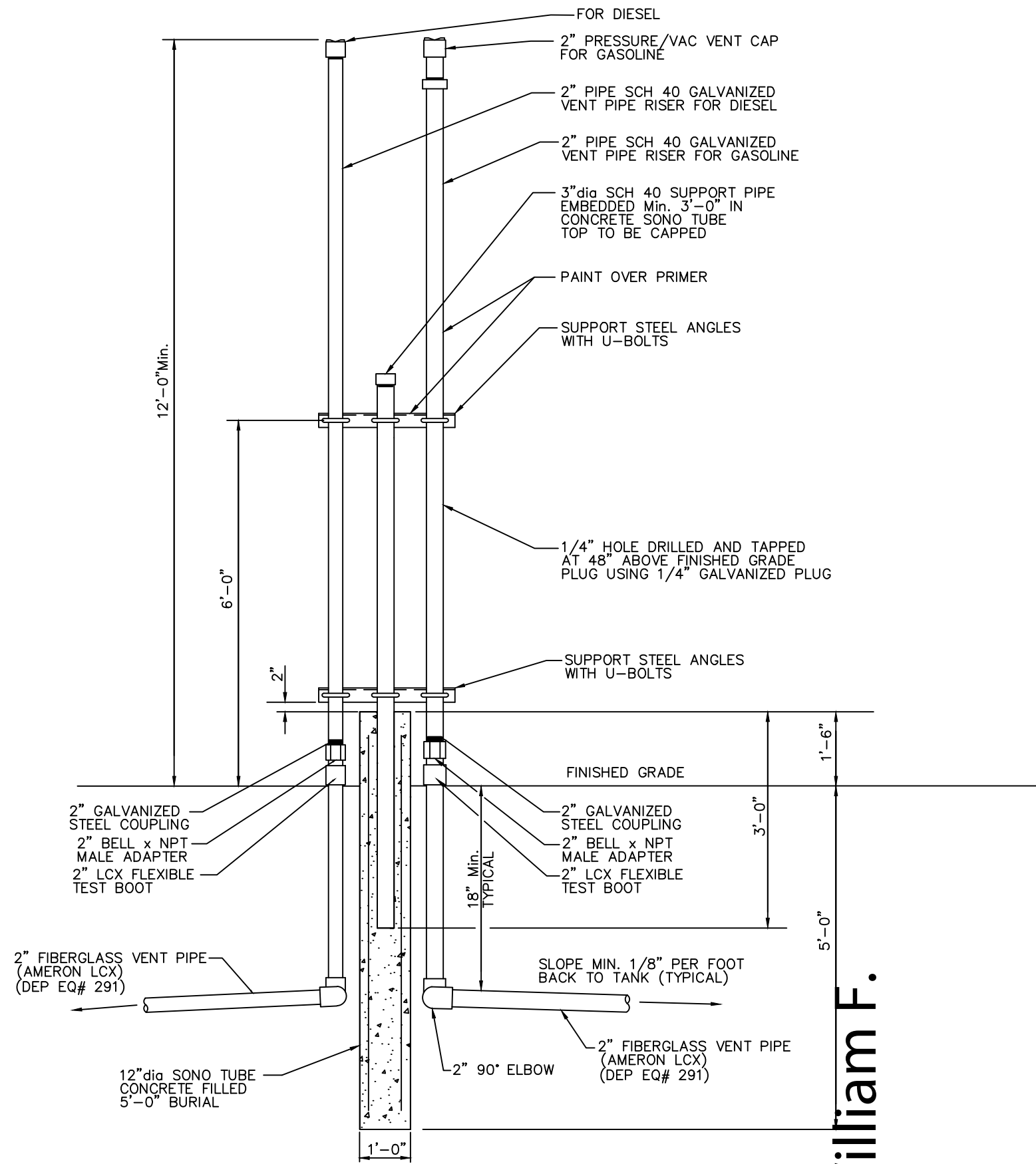
TYPICAL TRENCH DETAIL
NTS

NOTE: THREE 2" DOUBLE WALL LINES
IN TRENCH FOR THIS PROJECT.

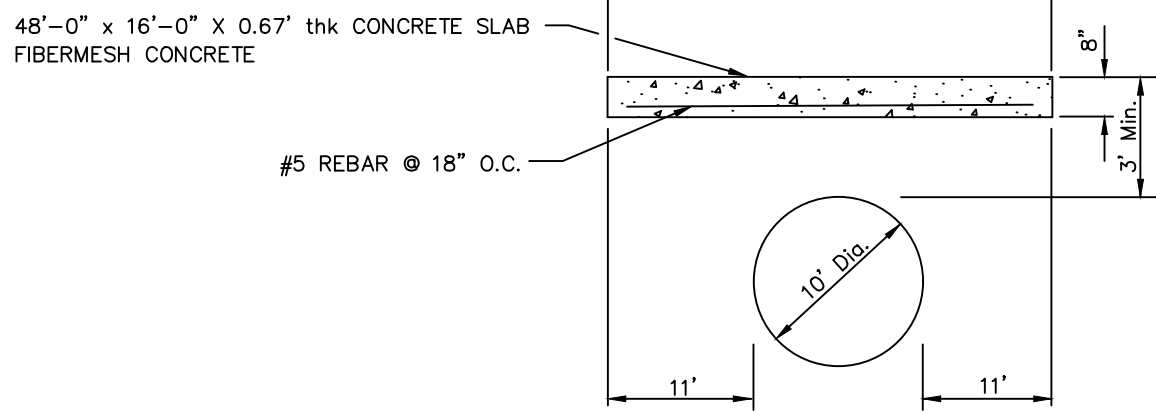


VEEDERROOT MODEL TLS 350 ELECTRONIC LEVEL SENSOR
ASSEMBLY FOR U.G. FUEL STORAGE WHEN REQUIRED
NTS
DEP EQ# 196 & 614

NOTE: EX. VEEDER ROOT SUPPLIED WITH (4) INVENTORY PROBES, (4)
SUMP SENSORS, AND (1) INTERSTITIAL SENSOR.



FREESTANDING VENT RISERS
NTS



TRAVERSE TANK SECTION
NTS

GENERAL NOTES:

- ALL ELECTRICAL WORK TO BE DONE BY OTHERS.
- ALL EMERGENCY CUT - OFF SWITCHES TO BE INSTALLED BY AN ELECTRICIAN.
- INSTALL RED JACKET FXIV DEP EQ# 373 MECHANICAL LEAK DETECTOR.
- ALL BACKFILL MATERIAL SHALL BE CLEAN, NON-COHESIVE, NON-PLASTIC MATERIAL FREE OF DEBRIS, LUMPS AND CLODS.
- ALL DISTURBED AREAS TO BE RETURNED TO EXISTING OR BETTER CONDITION. COMPACT SUBGRADE TO 95% MODIFIED PROCTOR PRIOR TO PLACING CONCRETE. ALL FINISHED ELEVATIONS TO MATCH EXISTING ELEVATIONS FOR PROPER DRAINAGE. FORM ALL NEW EDGES OF CONCRETE WITH KEY JOINTS. PROVIDE STEEL KEYED CONTROL JOINTS ON 15 FOOT CENTERS. CONCRETE TO BE BROOM FINISHED.
- PRODUCT LINES SHALL BE INSTALLED WITH A CONTINUOUS SLOPE UPWARD OF 1/8 in/ft FROM THE TANK TO THE DISPENSER.
- ELECTRIC CONDUIT WILL BE INSTALLED SO THAT NO UNDERGROUND COMES IN CONTACT WITH ANOTHER CONDUIT.
- 'AMERON LCX' SUPPLY PIPING SHALL BE INSTALLED BY A CERTIFIED INSTALLER. (DEP EQ# 291)
- SUPPLY PIPING SHALL BE DOUBLE WALLED WITH AN OPERATING PRESSURE NOT TO EXCEED 75 PSI.
- BACKFILL MATERIAL OVER TANKS SHALL BE CLEAN SAND.
- NO POTABLE WATER WELLS EXIST WITHIN 50 FEET OF THE PROPOSED TANKS AND DISPENSERS.
- SUBMERSIBLE PUMPS MANUFACTURED BY RED JACKET.
- ALL PIPING TO DISPENSERS PUMPS WILL BE VISUALLY MONITORED.
- ALL WORK SHALL BE IN ACCORDANCE WITH NFPA 30 & 31 AND LOCAL CODES.
- ALL EQUIPMENT WILL BE FDEP APPROVED AND MEET ALL REQUIREMENTS OF DERM.
- ALL METAL COMPONENTS IN CONTACT WITH SOIL WILL BE CATHODICALLY PROTECTED.
- ALL VENT PIPING SHALL SLOPE BACK TO THE PRODUCT STORAGE TANKS AT A MINIMUM 1/8" PER FOOT. VENT PIPES SHALL DISCHARGE AT A MIN. HEIGHT OF 12 FT. ABOVE GRADE.
- ALL EXISTING PIPING TO BE REMOVED AND DISPOSED OF.

Digitally signed by William F.

Carter

DN: c=US, sn=Carter,

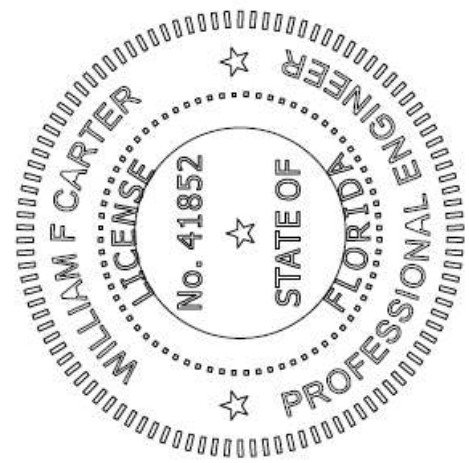
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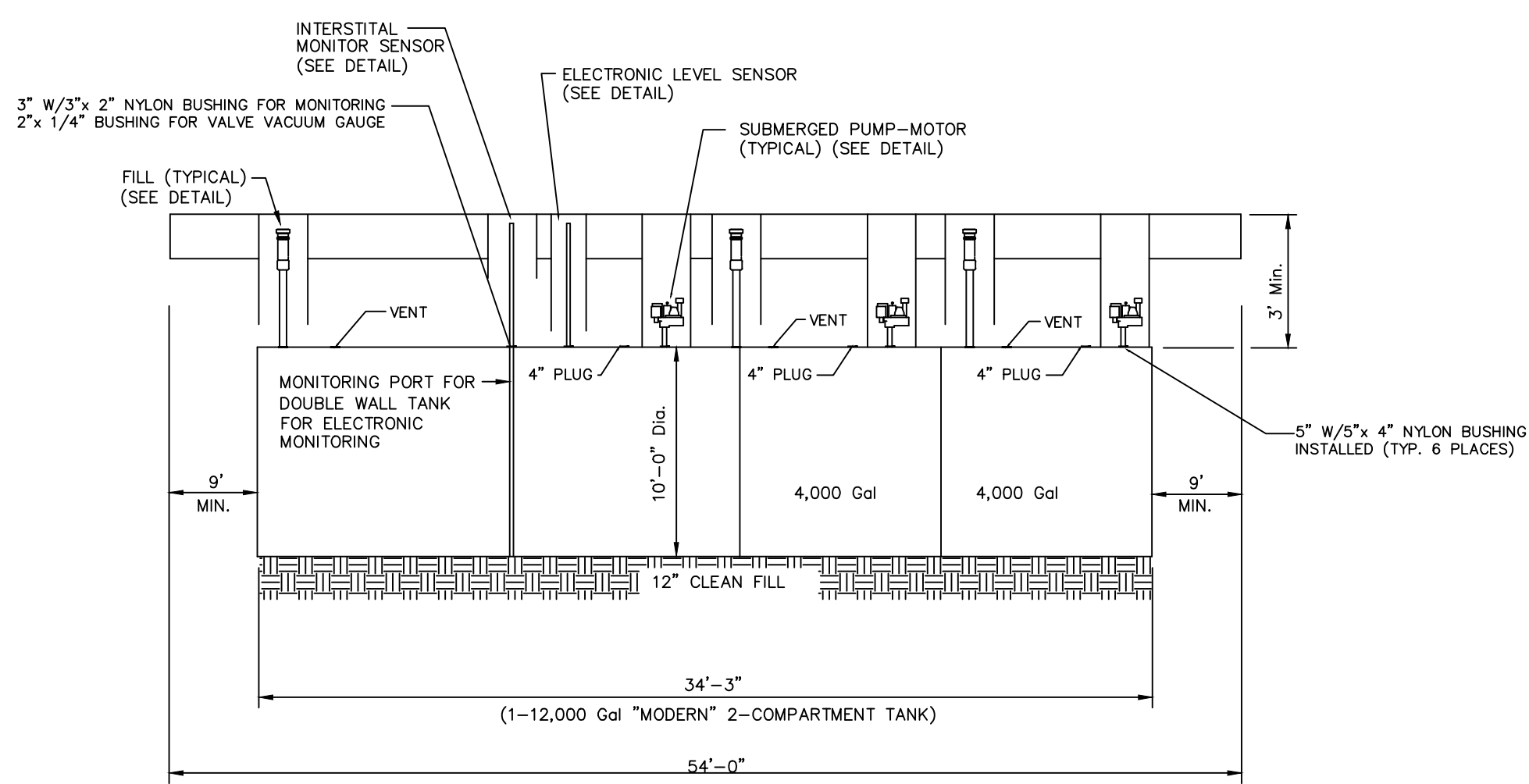
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cn=William F. Carter

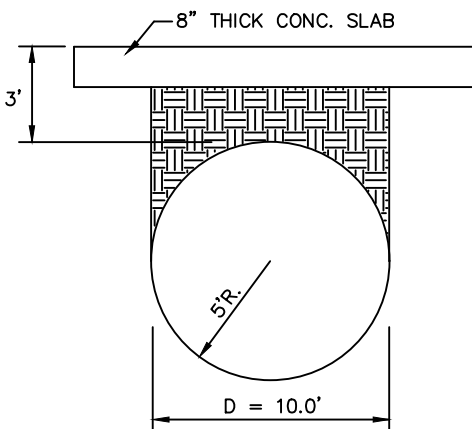
Date: 2025.06.07 14:27:40 -04'00'



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AND SEALED BY FRANK CARTER, P.E.
DOCUMENTED BY THE STATE OF FLORIDA
DO NOT SIGN OR SEAL ANY OTHER
DOCUMENTS WITHOUT THE SIGNATURE
AND SEAL OF THE STATE OF FLORIDA
SIGNATURE MUST BE VERIFIED ON ANY
ELECTRONIC COPIES.



LONGITUDINAL TANK SECTION
NTS
DEP EQ# 694

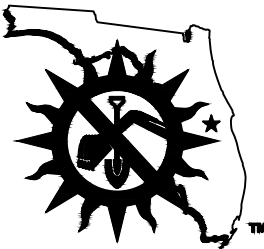


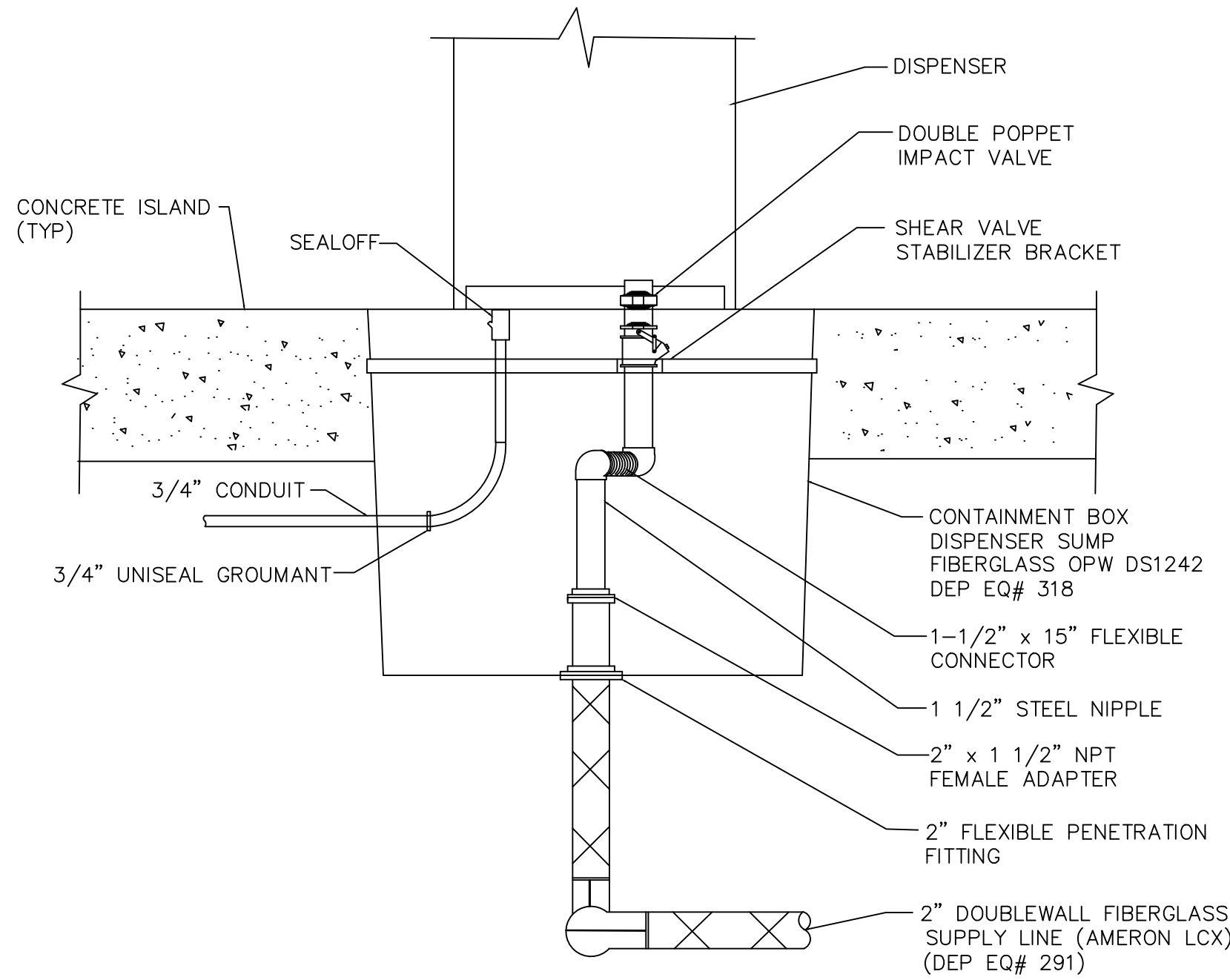
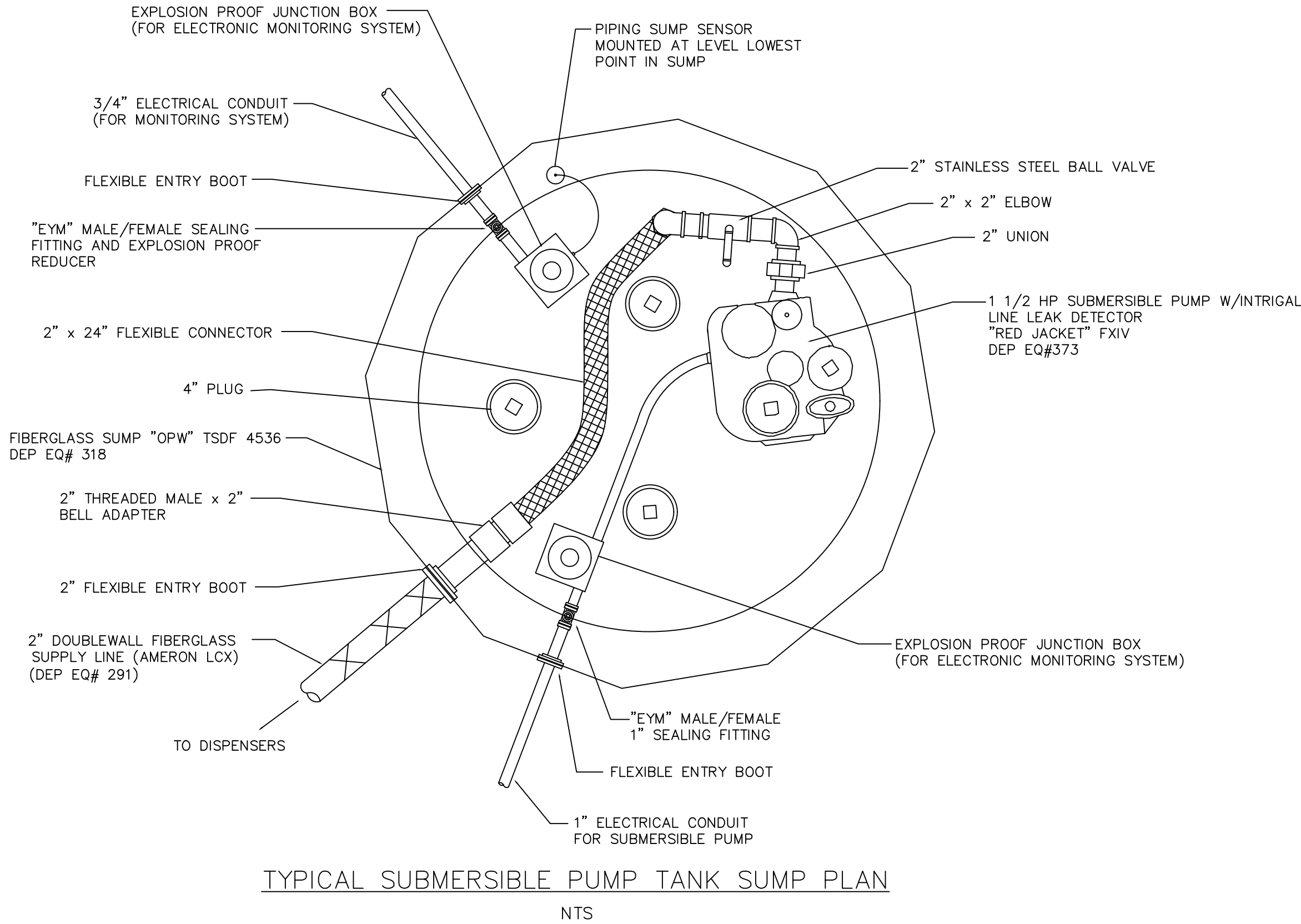
FLOTATION CALCULATIONS:
(10' Diameter)(1-20,000 Gal. Tank)

REFERENCE FOR CALCULATIONS BASED ON PETROLEUM EQUIPMENT INSTITUTE RECOMMENDED PRACTICES.

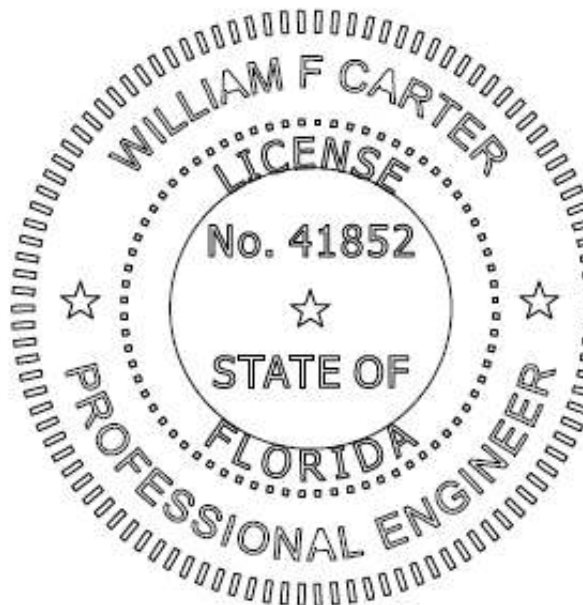
UNDERGROUND STORAGE TANKS: MODERN TYPE II UNDERGROUND STORAGE TANK, STANDARD OPENINGS, SSPC-SP6 FIBERGLASS EXTERIOR COATING. DEP EQ #694
TANK FABRICATION AND SPECIFICATIONS BY: MODERN WELDING CO., INC.
ONE-20,000 GALLON "MODERN" DOUBLE WALL TANKS, 10'-0" x 34'-3" TANK WEIGHT = 17,600 Lbs. (THREE COMPARTMENT)

- A. WEIGHT OF MATERIALS: (PER PETROLEUM EQUIPMENT INSTITUTE, INC.)
SAND OR PEA GRAVEL BACKFILL: 60 PCF
REINFORCED CONCRETE: 87.6 PCF
WATER 62.4 PCF OR 8.33 Lbs / GALLON
TANK & MANWAYS: 21,750 GALLONS
SUBMERSIBLE PUMP & RISER: 3 x 300 Lbs = 900 Lbs.
- B. REFLECTED TANK AREA: (SURFACE AREA OVER TANK, OVERBURDEN AREA)
10' x 34.25' = 348 sq.ft.
- C. TANK CAPACITY DISPLACEMENT: (NUMBER OF GALLONS)
UPWARD FORCE: 8.33 Lbs / GALLON x 20,000 GALLONS = 166,600 Lbs. TOTAL UPWARD FORCES
- D. REINFORCED CONCRETE PAD & GRADE OVER FUEL TANK:
54'-0" x 32'-0" = 1,278 sq.ft. x 8"thk = 1,152 Cubic Feet
1,152 Cubic Feet x 87.6 Lbs PCF = 100,915 Lbs.
- E. DEPTH OF OVERBURDEN BETWEEN TOP OF THE UNDERGROUND STORAGE TANK TO UNDERSIDE OF CONCRETE PAD ABOVE: 2.33 Feet.
- F. VOLUME AND WEIGHT OF OVERBURDEN / BACKFILL:
D = TANK DIAMETER=10'
d = DEPTH OF BURIAL=2.33'
h = (D/2) + d=7.33'
B1 = AREA OF CONCRETE PAD AT GRADE=1,278 S.F.
B2 = REFLECTED TANK AREA=348 S.F.
V = TANK CAPACITY / DISPLACEMENT: 20,000 GALLONS / 7.5 Gal / cf = 2,667 cf
M = VOID IN OVERBURDEN: 4' x 4' MANWAY x 2' DEPTH = 32 cf PER MANWAY x 3 OPENINGS=96 CF
B1 + B2 + sq. root of (B1 x B2) x h/3 - (V/2 + M)
1,278 sq.ft. + 348 sq.ft.+V/2,78 x 348 x 7.33/3 - ((2,667 cf/2) + (96 cf))
5,602 cf - 1,430 cf = 4,172 cf
4,172 cf x 60 PCF = 250,320 Lbs.
- G. TOTAL DOWNWARD FORCES:
TANK, MANWAYS, PUMPS & RISERS: 17,600 Lbs.
CONCRETE PAD AT GRADE = 100,915 Lbs.
BACKFILL OVER TANKS: = 250,320 Lbs.
- TOTAL DOWNWARD FORCES: = 368,835 Lbs.
- H. TOTAL UPWARD FORCES:
TANK CAPACITIES x 8.33 Lbs/GALLON = 20,000 Gal x 8.33 Lbs/Gal = 166,600 Lbs.
- I. SAFETY FACTOR: 368,835 Lbs/166,600 Lbs = 2.21

 3 WORKING DAYS BEFORE YOU DIG CALL SUNSHINE STATE ONE CALL OF FLORIDA 1-800-432-4770 FOR THE LOCATION OF UNDERGROUND UTILITIES <small>THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.</small>	TANK PLAN DETAILS STOP & GO # 4 3974 SW ST. RD 47 LAKE CITY, FL, 32055 COLUMBIA COUNTY PREPARED FOR: PRECISION PETROLEUM, INC. 6195 90TH AVE. N PINELLAS PARK, FLORIDA, 33782	W.F.C. ENGINEERING, INC. ENGINEERING LAND PLANNING & DESIGN Certificate of Authorization Number 00009541 Phone: (813) 264-7650Email: wfceeng@verizon.net Email: awuhul@embarqmail.com 14918 Knotty Pine Place, Tampa, Florida 33625	PLAN DATE: 05-31-25 NO. REVISIONS DATE SHEET NO. C-3 William F. Carter WILLIAM F. CARTER, P.E. NO. 41852



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY FRANK CARTER, P.E. 41852. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



Digitally signed by William F. Carter
DN: c=US, sn=Carter,
givenName=William F.,
serialNumber=0f68b475-0bcd-440
d-ade5-6eeaf938f63f, cn=William F.
Carter
Date: 2025.06.07 14:23:30 -04'00'



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CALL SUNSHINE STATE
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1-800-432-4770
FOR THE LOCATION OF UNDERGROUND FACILITIES

TANK PLAN DETAILS

STOP & GO # 4
3974 SW ST. RD 47
LAKE CITY, FL, 32055

COLUMBIA COUNTY

PREPARED FOR:

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6195 90TH AVE. N
PINELLAS PARK, FLORIDA, 33782

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Phone: (813) 264-7650 Email: wfceng@verizon.net
Email: awuhul@embargo.com

14918 Knotty Pine Place, Tampa, Florida 33625

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William F. Carter
WILLIAM F. CARTER, P.E. NO. 41852