

| REVISION | | |
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| ISSUE | | |
| PERMIT SET | 08/15/22 | |
| BID SET | 08/15/22 | |
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PROFESSIONAL IN CHARGE
RW
PROJECT MANAGER
RM
QUALITY CONTROL
RW
DRAWN BY
KR

PROJECT NAME
**CIRCLE K
STORES INC.**

**LAKE CITY
FLORIDA**

**NWC I-75 & W. US HWY 90
LAKE CITY, FL 32055**



CIRCLE K STORES INC.

PROJECT NUMBER
22036

SHEET TITLE

**DIESEL
CANOPY PLANS
AND ELEVATIONS**

SHEET NUMBER

CA-4

KEYNOTES

X

| NUMBER | DESCRIPTION |
|--------|--|
| CD-01 | MASTER DISPENSER WITH DEF. SEE FUEL DRAWINGS |
| CD-02 | CONCRETE PAVING. SEE CIVIL SHEET & STRUCT. DRAWINGS |
| CD-03 | TRUCK ISLAND "PYRAMID" BOLLARD |
| CD-04 | STEEL CANOPY COLUMN. SEE FUEL CANOPY STRUCTURAL DRAWINGS |
| CD-05 | LINE OF CANOPY ABOVE |
| CD-06 | MASTER/SATELLITE/ DEF DISPENSER. SEE FUEL DRAWINGS |
| CD-08 | 36" HIGH, 3"X3" STEEL POST FOR WATER HOSE BY GENERAL CONTRACTOR |
| CD-09 | YARD HYDRANT - SPEC TBD BY GENERAL CONTRACTOR |
| CD-10 | FUEL ISLANDS CONCRETE PADS WHERE REQUIRED |
| CD-11 | PUMP NUMBER BY SIGN VENDOR |
| CD-12 | FIRE EXTINGUISHER, NFPA 10 RATED FIRE CLASS 2A-ZB-C MINIMUM. COORDINATE RATINGS AND MOUNTING LOCATIONS WITH LOCAL FIRE PREVENTION AUTHORITY AND CK PM. |
| CD-13 | VENT RISER. SEE FUEL PIPING PLANS FOR MORE INFORMATION AND COLUMN LOCATION |
| CD-14 | 3" PVC ROOF DRAIN BY FUEL CANOPY VENDOR |
| CD-15 | AIR UNIT COMPRESSOR FOR HIGH SPEED DIESEL. REFER TO EQUIPMENT SCHEDULE AND ELECTRICAL FOR MORE INFORMATION. |

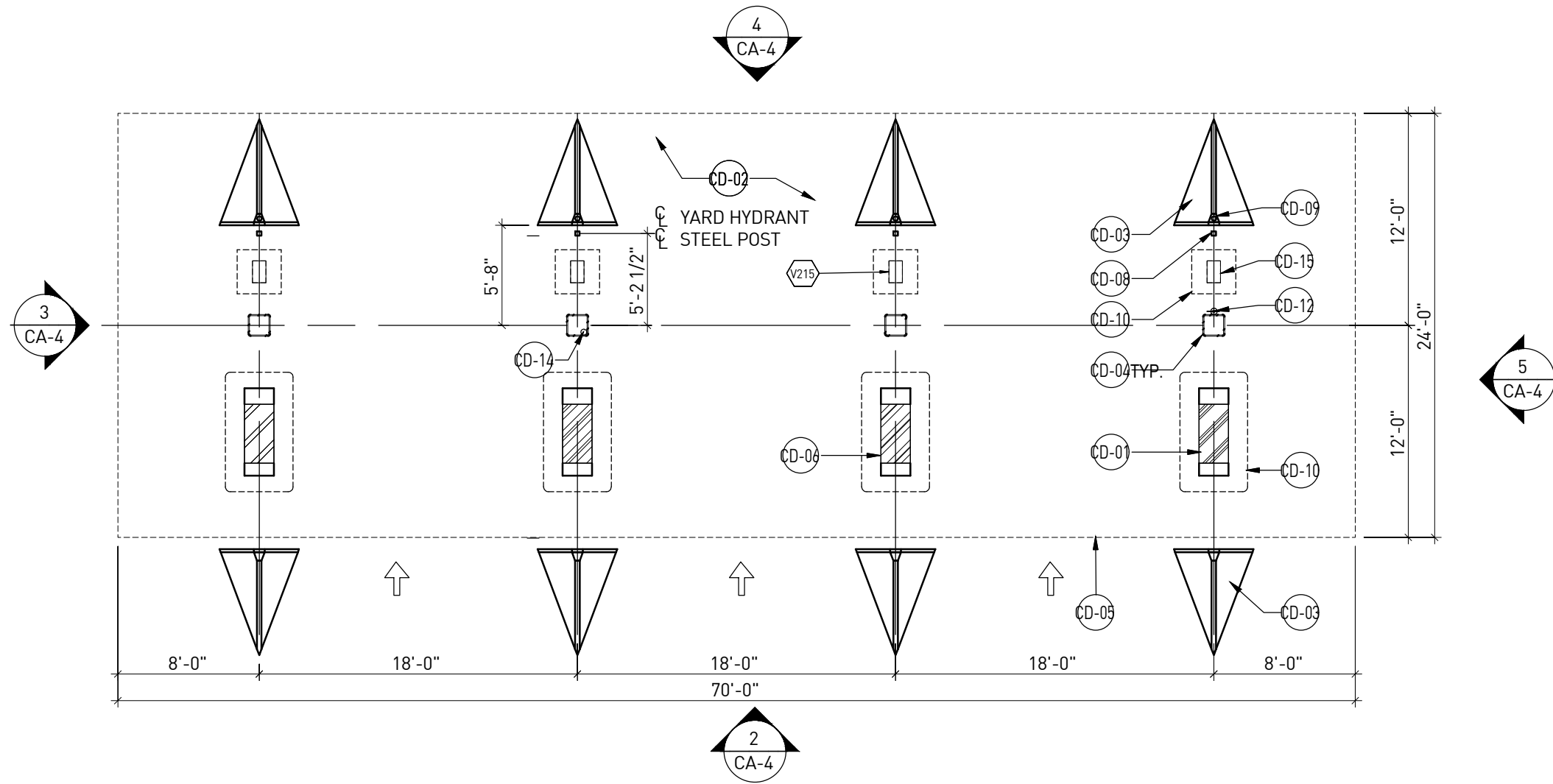
FINISH SCHEDULE

X

| NUMBER | DESCRIPTION |
|--------|--|
| CB-01 | ACM PANEL "TEX-COTE1 |
| CB-02 | COLUMN FLAGS BY SIGNAGE VENDOR |
| CB-03 | STEEL COLUMN WITH PAINT FINISH |
| CB-05 | FUEL PUMP |
| CB-06 | INTERNALLY ILLUMINATED SIGN UNDER SEPARATE PERMIT |
| CB-07 | 1 3/8" THK. X 6" NICHIIHA KURASTONE HIGH FIBER CEMENT WAINSCOT |
| CB-08 | 1-1/2" HIGH NICHIIHA FIBER CEMENT CAP. INSTALL PER MFR. SPECS. |
| CB-09 | NICHIIHA FIBER CEMENT WALL PANEL SYSTEM. |

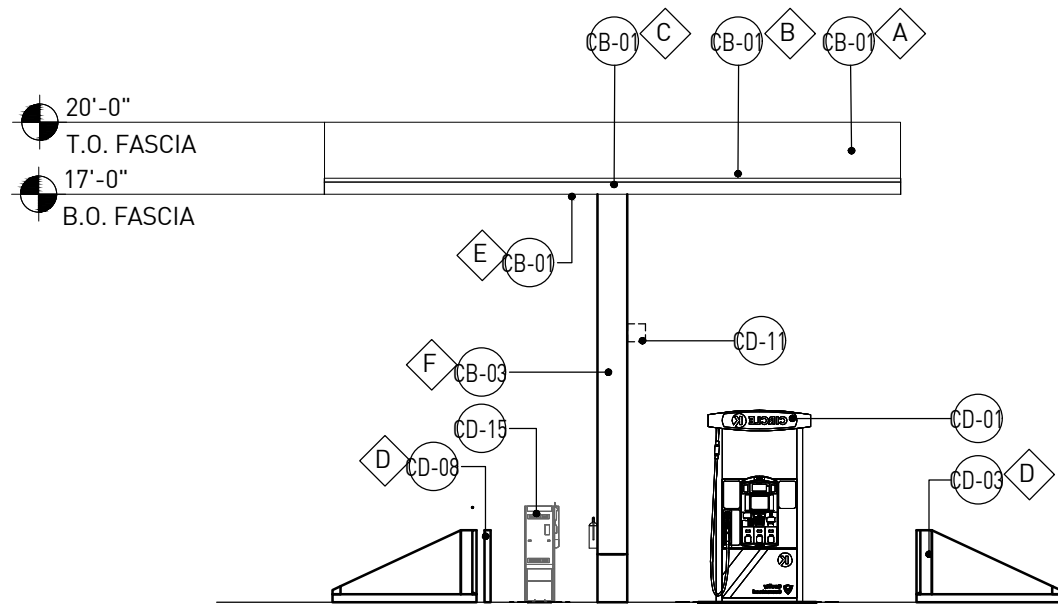
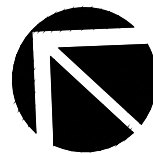
- A CIRCLE K RED #PMS 485
B CIRCLE K WHITE
C CIRCLE K ORANGE #PMS 144
D SHERWIN WILLIAMS - SW6236 - GRAYS HARBOR
E CIRCLE K BLACK
F RAL9016 SHELL WARM WHITE
G NICHIIHA TUFF BLOCK - COLOR TO MATCH SW6115 - TOTALLY TAN
H NICHIIHA LEDGESTONE BLUFF
J NICHIIHA CHISELED SILL TAN

- NOTES:
1. COLORS SHOWN ON THESE ELEVATIONS ARE FOR ILLUSTRATION PURPOSES ONLY. FOR ACTUAL COLORS, REFER TO MANUFACTURER'S SAMPLES.
2. THE FASCIA PANELS ARE PRE-FINISHED BY SIGNAGE VENDOR
3. ALL SIGNS REQUIRE A SEPARATE SUBMITTAL
4. ALL LIGHTING ON CANOPY TO BE FLUSH MOUNTED WITH FASCIA



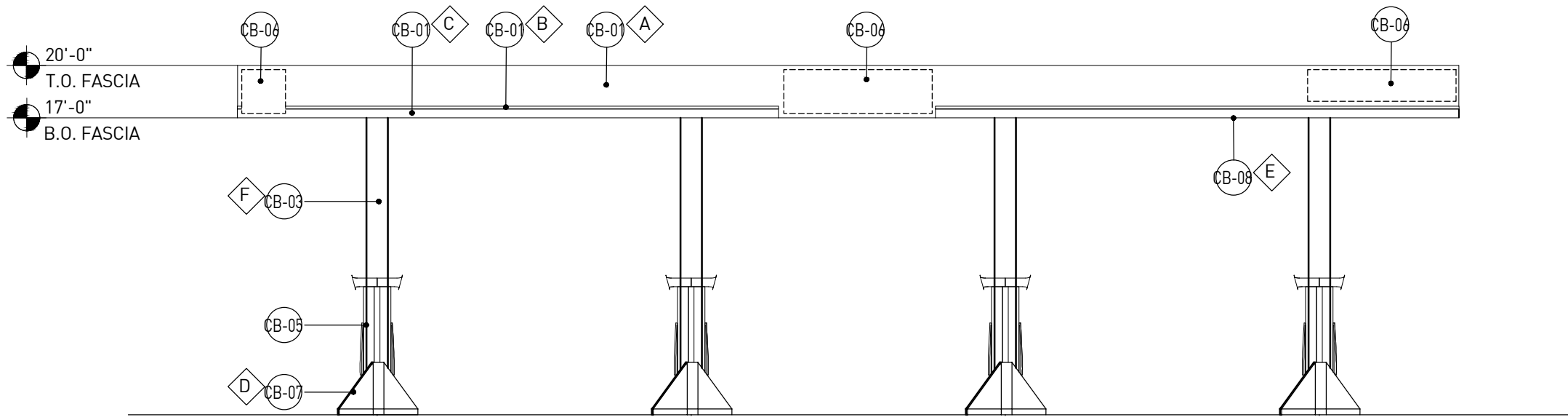
1 DIESEL CANOPY PLAN

SCALE: 1/8" = 1'-0"



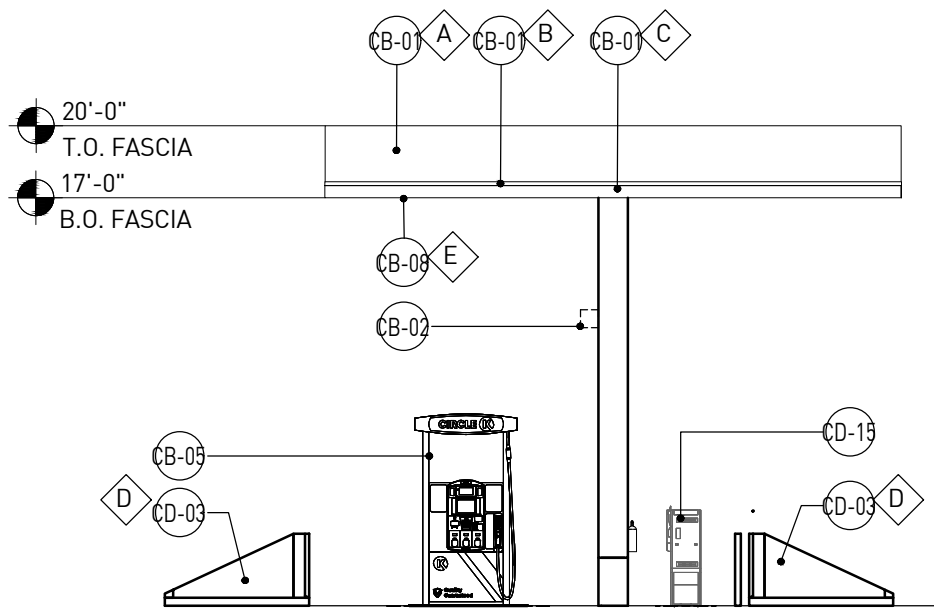
3 'SIDE' ELEVATION (SOUTH)

SCALE: 1/8" = 1'-0"



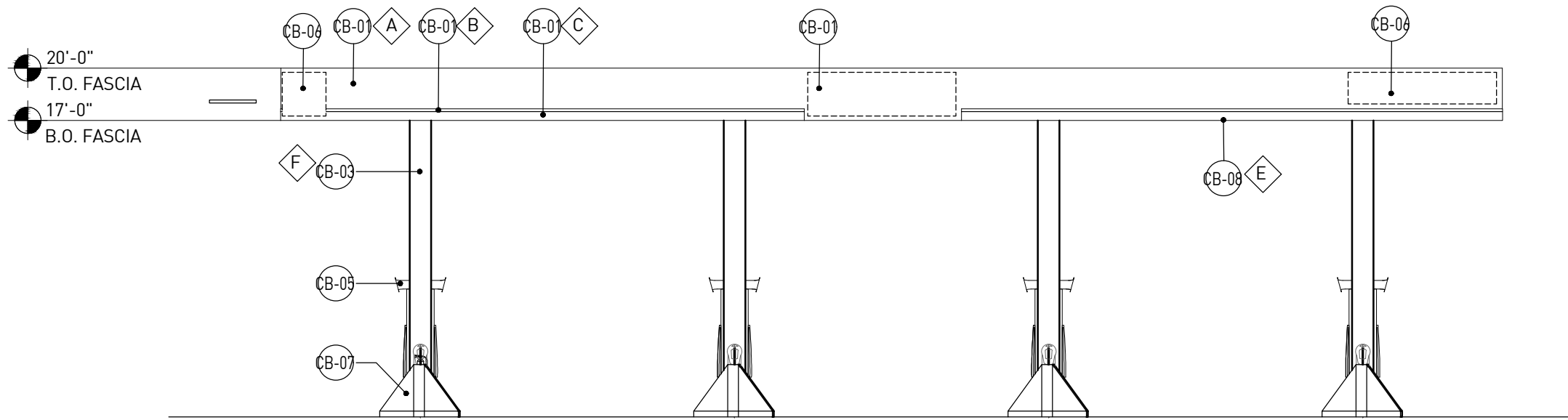
2 'FRONT' ELEVATION (EAST)

SCALE: 1/8" = 1'-0"



5 'SIDE' ELEVATION (NORTH)

SCALE: 1/8" = 1'-0"



4 'REAR' ELEVATION (WEST)

SCALE: 1/8" = 1'-0"

GENERAL NOTE:

- A.

CONTRACTORS MUST HAVE AT LEAST 5 YEARS EXPERIENCE INSTALLING RETAIL FUEL SYSTEMS AND COMPLY WITH THE FOLLOWING IN ORDER TO BID ON ANY CIRCLE K PROJECT OR BE INVOLVED ON ANY CONSTRUCTION:
- A.1.

AMERON CERTIFICATION
- A.2.

BRAVO CERTIFICATION
- A.3.

FLEXING CERTIFICATION
- A.4.

EMCO WHEATON CERTIFICATION
- A.5.

GILBARCO/VEEDER-ROOT CERTIFICATION
- A.6.

CONTAINMENT SOLUTIONS/XERXES/MODERN WELDING CERTIFICATION & COMPLY WITH INSTALLATION INSTRUCTIONS
- A.7.

HAZWOPPER & TRENCH EXCAVATION TRAINING
- B.

IT IS REQUIRED THAT ONLY "CERTIFIED INSTALLERS" BE USED FOR INSTALLATION OF THE PIPING SYSTEM TO INSURE THAT PROPER PIPE FABRICATION, COUPLING AND INSTALLATION PERFORMED. "CERTIFIED INSTALLERS" ARE EQUIPPED WITH FACTORY MANUFACTURED COUPLING EQUIPMENT AND INSTALLATION TOOLS AND HAVE RECEIVED FACTORY TRAINING BY AMERON REPRESENTATIVE ON THE PROPER INSTALLATION AND TESTING PROCEDURES.
- THIS ENVIRONMENTALLY SAFE, FRP UNDERGROUND PIPING SYSTEM PROVIDES PIPING RUNS BETWEEN USTS AND THE PRODUCT DISPENSERS
- C.

ALL PRODUCT PIPING IS TO BE PRIMARY FUEL OF SPECIFIED DIAMETER IN SECONDARY PIPING OF SPECIFIED DIAMETER. PIPING TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
- D.

WHERE FLEX CONNECTORS ARE COMPLETELY CONTAINED (NOT IN CONTACT WITH GROUND WATER, NATIVE SOIL OR BACKFILL MATERIAL), STAINLESS STEEL CONNECTORS ARE ACCEPTABLE. WHERE FLEX CONNECTORS ARE NOT COMPLETELY CONTAINED ISOLATION BOOTS OR PRIME AND WARP SHALL BE USED TO SEPARATE CONNECTOR FROM COMING INTO CONTACT WITH GROUND WATER, NATIVE SOIL OR BACKFILL MATERIAL. ALL FLEX CONNECTORS SHALL BE INSTALLED AS STRAIGHT AS POSSIBLE.
- E.

THE GENERAL CONTRACTOR ACCEPTS FULL RESPONSIBILITY FOR PROPER HANDLING AND INSTALLATION OF PIPING SYSTEM. THE GENERAL CONTRACTOR SHALL INSURE THAT GOOD WORKMANSHIP AND CONSTRUCTION PROCEDURES ARE FOLLOWED THROUGHOUT THE INSTALLATION, REGARDLESS OF INCLUSION OR OMISSION OF ANY APPLICABLE SUGGESTION IN THESE INSTRUCTIONS OR ON THE DRAWINGS.
- F.

UNKNOWN SITUATIONS OR CONDITIONS NOT COVERED IN THESE INSTRUCTIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR. MANUFACTURERS SPECIALISTS ARE AVAILABLE FOR CONSULTATION. THE PRESENCE OF THE OWNER'S OR MANUFACTURER'S REPRESENTATIVE AT AN INSTALLATION SITE DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR A PROPER INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER SAFEGUARDING OF THE INSTALLATION AND MATERIALS AND EQUIPMENT STORED ON THE SITE TO PREVENT THEFT, VANDALISM OR DAMAGE.

RESPONSIBILITY NOTE:

PETROLEUM SYSTEM ELECTRICIAN IS RESPONSIBLE FOR ALL POWER WIRING, LOW VOLTAGE WIRING, ATG SENSOR/PROBE WIRING, AND SETUP.

PETROLEUM CONTRACTOR IS RESPONSIBLE FOR DISPENSER/SYSTEM START-UP AND CALIBRATION.

ON DAY OF SYSTEM STARTUP, DATA/NETWORK SUPPLIER, PETROLEUM CONTRACTOR, PETROLEUM ELECTRICIAN, AND CK CONSTRUCTION MANAGER MUST BE ON SITE.

PETROLEUM CONTRACTOR IS REQUIRED TO BE ON SITE FOR THE ENTIRETY OF THE FIRST DAY OF STORE OPERATION (7AM - 6PM)

CONCRETE NOTE:

UPON INSTALLATION & APPROVALS OF NEW PIPING, CONDUIT, PLUMBING, ETC. FOR THE TANK INSTALLATION, BACKFILL EXCAVATION AREAS WITH APPROVED BACKFILL, AND PROVIDE CONCRETE PAVING PER CIVIL. NOTE: MINIMUM REQUIREMENTS. 8" THICK, 4000 P.S.I. MIN. REQ'D @ TANK AREAS W/ NO. 4 BARS @ 12" O.C.E.W. (TYP). PROVIDE 6" THICK MIN. CONC W/ NO. 4'S 18" O.C.E.W. REINFORCING AT PIPING TRENCHES. FINISH SHALL BE WOOD FLOAT WITH MEDIUM BROOM FINISH.

A MEDIUM BROOM FINISH IS REQUIRED ON THE CONCRETE PAVING LOCATED BETWEEN THE GASOLINE ISLANDS AND THE SIDEWALK IN FRONT OF THE CIRCLE K BUILDING. CONTRACTOR TO PROVIDE TEST AREA FOR CIRCLE K REPRESENTATIVE APPROVAL.

SETTLEMENT NOTE:

CAUTION TANK SETTLEMENT, TANK DISTORTION, OR MOVEMENT IN CONCRETE COVER SLAB CANNOT BE TOLERATED AND IF SPECIFIED MATERIALS ARE USED AND SPECIFIED PROCEDURES ARE FOLLOWED, NO INSTALLATION FAILURE SHOULD OCCUR. IT WILL BE PRESUMED THE CONTRACTOR HAS NOT FOLLOWED THE SPECIFIED INSTRUCTIONS AND PROCEDURES AND THE CONTRACTOR SHALL IMMEDIATELY UNDERTAKE, AT HIS SOLE EXPENSE, ANY NECESSARY CORRECTIVE MEASURES, AS MAY BE APPROVED BY THE CIRCLE K FIELD REPRESENTATIVE. UP TO AND INCLUDING COMPLETE REMOVAL AND RESETTING OF ALL UNDERGROUND TANKAGE AT THE SITE. IF IT IS DETERMINED THAT MOVEMENT, SETTLEMENT OR DISTORTION HAS BEEN CAUSED BY FACTORS BEYOND THE CONTRACTOR'S CONTROL, THE COST OF REMEDIAL MEASURES WILL BE BORNE BY OTHERS. THE GAS INSTALLATION CONTRACTOR DOES HEREBY AGREE TO GUARANTEE THE UNDERGROUND TANKAGE INSTALLATION AGAINST FAILURE AS OUTLINED HEREIN ABOVE, FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE.

TANK BACKFILL REQUIREMENTS

UNDERGROUND STORAGE TANK BACKFILL MUST ADHERE TO MANUFACTURER MATERIAL REQUIREMENTS AND COMPLIANCE TO STANDARDS

POLICY

IN ORDER TO ASSURE COMPLIANCE TO UST MANUFACTURER'S REQUIREMENTS FOR UST BACKFILL MATERIALS, PROCEDURES WILL BE FOLLOWED TO MONITOR APPROVAL BY MANUFACTURER. VERIFICATION THAT APPROVED MATERIAL HAS BEEN DELIVERED TO THE SITE, AND DOCUMENTATION ON THE CONSISTENCY OF MATERIAL PLACED IN THE UST EXCAVATION.

PROCEDURE

SPECIFICATIONS FOR ACCEPTABLE MATERIALS TO BE USED AS STRUCTURAL SUPPORT FOR FIBERGLASS USTS.

ROUNDED GRAVEL
WHEN USING ROUNDED GRAVEL, THE MATERIAL IS THE BE A MIX OF ROUNDED PARTICLES, SIZES BETWEEN 1/8" AND 3/4". THE ROUNDED GRAVEL MUST CONFORM TO THE SPECIFICATIONS OF ASTM C-33, PARAGRAPH 9.1, SIZES 6, 67, OR 7. NO MORE THAN 5% (BY WEIGHT) OF THE BACKFILL MAY PASS THROUGH A #8 SIEVE. THE MATERIAL IS TO BE WASHED, FREE-FLOWING, AND FREE OF ICE, SNOW, AND DEBRIS.

CRUSHED STONE
WHEN USING CRUSHED STONE, THE MATERIAL IS TO BE A MIX OF ANGULAR PARTICLES, SIZES BETWEEN 1/8" AND 1/2". THE CRUSHED STONE MUST CONFORM TO THE SPECIFICATIONS OF ASTM C-33, PARAGRAPH 9.1, SIZES 7 OR 8. NO MORE THAN 5% (BY WEIGHT) OF THE BACKFILL MAY PASS THROUGH A #8 SIEVE. THE MATERIAL IS TO BE WASHED, FREE-FLOWING, AND FREE OF ICE, SNOW, AND DEBRIS.

APPROVAL PROCESS

ROUNDED GRAVEL
A SAMPLE CONSISTING OF THREE (3) SEPARATE RANDOM INTERIOR STOCKPILE SAMPLES SHALL BE TAKEN AT THE QUARRY BY THE MATERIALS TESTING COMPANY. CLEAN ONE GALLON SIZED BUCKETS (APPROXIMATE) CAN BE USED FOR SAMPLING.

THE MATERIALS TESTING COMPANY SHALL COMPLETE A SIEVE ANALYSIS ON THIS MATERIAL AS IT HAS BEEN COMBINED. IF THIS MATERIAL MEETS THE ASTM C-33 SPECIFICATIONS, THE ANALYSIS SHALL BE SUBMITTED TO THE TANK MANUFACTURER FOR APPROVAL. THE TANK MANUFACTURER WILL ISSUE AN APPROVAL ON THAT SAMPLE AS REFERENCED TO A SPECIFIC QUARRY. THIS PROCESS SHOULD TAKE ABOUT TWO DAYS.

WITH ROUNDED GRAVEL ONLY, IT WILL BE NECESSARY TO OBTAIN A NEW SAMPLE ON EACH INSTALLATION AS LONG AS THE QUARRY REMAINS THE SAME. AN APPROVAL FROM THE TANK MANUFACTURER WILL ONLY BE NEEDED ONCE TO DOCUMENT THE APPROVAL OF THE ROCK. IT WILL NOT BE NECESSARY TO ASK FOR APPROVAL ON ADDITIONAL INSTALLATIONS, UNLESS THE QUARRY LOCATION CHANGES.

IT WILL BE THE TANK INSTALLATION CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT ANY MATERIAL THAT HAS BEEN APPROVED BY THE TANK MANUFACTURER ALWAYS COMES FROM THE SAME QUARRY AND REMAINS CONSISTENT.

CRUSHED STONE
A SAMPLE CONSISTING THREE (3) SEPARATE RANDOM INTERIOR STOCKPILE SAMPLES SHALL BE TAKEN AT THE QUARRY BY THE MATERIALS TESTING COMPANY. CLEAN ONE GALLON (APPROXIMATE) SIZED BUCKETS CAN BE USED FOR SAMPLING.

THE MATERIALS TESTING COMPANY SHALL COMPLETE A SIEVE ANALYSIS ON THIS MATERIAL AS IS HAS BEEN COMBINED. IF THIS MATERIAL MEETS THE ASTM C-33 SPECIFICATIONS WITH NO VARIATION, IT WILL NOT BE NECESSARY TO SUBMIT A SIEVE ANALYSIS FOR APPROVAL BY THE TANK MANUFACTURER. IT IS NOT UNCOMMON TO RECEIVE AN ANALYSIS THAT INDICATES MATERIAL SIZES OUTSIDE OF THE ASTM-33 STANDARD. THESE VARIABLE REPORTS WILL NEED TO BE SUBMITTED TO THE TANK MANUFACTURER FOR APPROVAL. THIS PROCESS SHOULD TAKE ABOUT TWO DAYS.

A NEW SAMPLE AND SIEVE ANALYSIS WILL BE REQUIRED FOR EVERY LOCATION AS WELL AS AN APPROVAL FROM THE TANK MANUFACTURER.

ON CRUSHED STONE ONLY, CIRCLE K WILL REQUIRE AN ON-SITE INSPECTION AND DOCUMENTATION BY THE TESTING COMPANY AS TO THE CONSISTENCY OF THE MATERIAL DELIVERED TO THE SITE AND ITS SIMILARITY TO THE MATERIAL APPROVED BY THE TANK MANUFACTURER. CIRCLE K WILL ALSO REQUIRE TESTING COMPANY DOCUMENTATION TO VERIFY THAT THE MATERIAL PLACED IN THE TANK EXCAVATION REMAINS CONSISTENT THROUGHOUT THE BACKFILL PROCESS.

MATERIAL DISCOVERED ON SITE THAT DOES NOT MEET THE ASTM C-33 SPECIFICATION, FOR ANY REASON, WILL BE REMOVED AND REPLACED AT THE UST INSTALLERS EXPENSE.

TANK AND DISPENSER NOTE:

- A.

THE SPECIFIC SITE PLAN AND SPECIFICATIONS WILL GOVERN THE EXACT LOCATION, NUMBER, SIZE, AND TYPE OF EQUIPMENT TO BE INSTALLED AND INSTALLATION TO BE FOLLOWED.
- B.

PLANS AND SPECIFICATIONS REPRESENT MINIMUM REQUIREMENTS. CONTRACTOR SHALL MAKE THE INSTALLATION IN ACCORDANCE WITH MANUFACTURER'S, FEDERAL, STATE, AND LOCAL ORDINANCES WHEN SUCH ORDINANCES EXCEED THESE MINIMUMS.
- C.

CONTRACTOR SHALL SECURE, ARRANGE FOR AND PAY FOR ALL NECESSARY PERMITS, INSPECTIONS, AND TESTS AND INCLUDE THE COST IN THEIR BID (UNLESS SPECIFIED DIFFERENTLY IN SCOPE OF WORK).
- D.

THE SCOPE OF WORK OR SPECIFICATIONS WILL LIST MATERIAL AND EQUIPMENT TO BE FURNISHED BY CIRCLE K. CONTRACTOR SHALL STORE, SAFEGUARD AND FURNISH ALL OTHER MATERIALS REQUIRED TO COMPLETE THE INSTALLATION.
- E.

MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION AND OPERATIONAL TESTING OF ALL TANKS, PIPING, DISPENSERS, AND MONITORING EQUIPMENT SHALL BE FOLLOWED TO AVOID POSSIBILITY OF DAMAGE TO EQUIPMENT.
- F.

ALL INSTALLATIONS SHALL INCLUDE THE INSTALLATION OF STAGE I VAPOR RECOVERY.
- G.

CONTRACTOR SHALL PLACE ALL UNDERGROUND PIPING WHERE SHOWN WITH A MINIMUM NUMBER OF BENDS AND CONTINUOUSLY PITCHED TO PROVIDE MAXIMUM SLOPE FROM RISER TO THE LOW POINT AT THE CONNECTION. MINIMUM SLOPE OF 1/8" PER FOOT. INSTALL ALL PRODUCT AND VENT LINES IN A COMMON TRENCH.
- H.

ALL PRODUCT AND VENT LINES (UNDERGROUND) SHALL BE FIBERGLASS UNLESS OTHERWISE NOTED. ALL PRODUCT LINES SHALL BE AMERON DUALOY 3000/LCX. ALL VENT LINES SHALL BE AMERON DUALOY 3000/L.
- I.

CONTRACTOR SHALL IDENTIFY UNDERGROUND PIPING, AND VENT PIPING ONCE IT HAS BEEN BACKFILLED AND COVERED UP SO FINISH GRADING AND CONCRETE CONTRACTOR KNOW WHERE UNDERGROUND PIPING IS LOCATED.

PIPE TRENCH NOTE:

PIPING TRENCH LINERS SHALL BE 6oz NON-WOVEN GEOTECH FABRIC - OVERLAP TOP COURSE. CONTACT LOCAL CIRCLE K REPRESENTATIVE FOR LOCAL REQUIREMENTS.

FINISH NOTE:

(ALL PRODUCTS ARE SHERWIN-WILLIAMS)

- A.

BOLLARDS:
ISLAND FORMS (IF REQUIRED BY AHJ):
VENT PIPE:

N/A - SLEEVED PER ARCH.
AMARILLO WHITE
AMARILLO WHITE

CANOPY NOTE:

CANOPY IS A PREFAB STEEL STRUCTURE, CONTACT CIRCLE K REPRESENTATIVE FOR NAME OF MANUFACTURER, SEE MANUFACTURER'S DRAWING FOR STRUCTURAL DESIGN AND INSTALLATION INFORMATION. SEE ARCHITECTURAL SITE FOR LOCATION OF CANOPY AND GAS ISLANDS. THE GASOLINE CANOPY STRUCTURE IS FURNISHED AND INSTALLED BY CIRCLE K.

INSTALLATION NOTE:

CANOPY TANKS AND BUILDING TO BE INSTALLED AT THE SAME TIME. THESE PLANS MUST BE USED IN COORDINATION WITH SEPARATE SITE, BUILDING AND CANOPY PLANS.

CONTRACTOR NOTE:

- A.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR APPLICABLE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL CONFORMANCE WITH LOCAL REGULATIONS AND CODES.
- B.

THE CONTRACTOR ACCEPTS FULL RESPONSIBILITY FOR PROPER HANDLING AND INSTALLATION OF THE GASOLINE USTS AND SHALL INSURE THAT GOOD WORKMANSHIP PRACTICES AND CONSTRUCTION PROCEDURES ARE FOLLOWED REGARDLESS OF THE INCLUSION OR OMISSION OF ANY INSTRUCTION.
- C.

UNKNOWN SITUATIONS OR CONDITIONS NOT COVERED IN THESE AND THE MANUFACTURER'S INSTRUCTIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR. MANUFACTURER'S SPECIALISTS ARE AVAILABLE FOR CONSULTATION. THE PRESENCE OF THE MANUFACTURER OR OBSERVER AT AN INSTALLATION SITE DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR THE PROPER INSTALLATION OF THE TANKS.
- D.

QUESTIONS REGARDING INSTALLATION PROCEDURES OR TANK REPAIRS SHOULD BE DIRECTED TO THE CIRCLE K FIELD REPRESENTATIVE.
- E.

GASOLINE UNDERGROUND TANKS MUST BE INSTALLED ACCORDING TO THESE INSTRUCTIONS. THE MANUFACTURER'S INSTRUCTIONS AND NFPA 30 AND 30A UL971. LOCAL CODES MAY APPLY AND MUST BE ADHERED TO. FAILURE TO FOLLOW THESE INSTALLATIONS INSTRUCTIONS WILL VOID THE WARRANTY AND WILL RESULT IN TANK FAILURE. PROPER INSTALLATION OF GASOLINE USTS HELP PREVENT TANK DAMAGE AND SHOULD INSURE LONG-TERM CORROSION-PROOF SERVICE. IT IS IMPERATIVE TO READ, UNDERSTAND AND FOLLOW THESE INSTRUCTIONS.
- F.

THESE SPECIFICATIONS ARE SUPPLEMENTED BY THE RESPECTIVE TANK MANUFACTURER'S SPECIFICATIONS. THE INSTALLATION PROCEDURE SHALL COMPLY WITH BOTH SETS OF INSTRUCTIONS AND SPECIFICATIONS. IF, IN THE CONTRACTOR'S JUDGEMENT, THERE APPEARS TO BE A CONFLICT IN THESE SPECIFICATIONS AND THE TANK MANUFACTURER'S INSTRUCTIONS, CONTACT THE LOCAL CIRCLE K REPRESENTATIVE FOR CLARIFICATION AND GUIDANCE.
- G.

CONTRACTOR SHALL INSPECT AND CONFIRM ALL PIPING TO BE CLEAR OF ALL BEDDING MATERIAL, TRASH, ANY TYPE OF LIQUID OR DEBRIS PRIOR TO AND AFTER INSTALLATION.
- I.

TANK AND PRODUCT LINE TESTING AND REPORTING REQUIRED. COORDINATE REQUIREMENTS WITH CIRCLE K REPRESENTATIVE.
- J.

TANK TIGHTNESS TESTING PROCEDURES SHALL BE FOLLOWED FOR ALL TANKS BEING INSTALLED. TESTING DATA LOG SHALL BE COMPLETED BY THE CONTRACTOR AND SUBMITTED TO THE CIRCLE K REPRESENTATIVE AFTER TESTING IS COMPLETE. CONTRACTOR SHALL ALSO RETAIN A COPY AS PART OF THE TANK RECORDS THAT MAY BE REQUIRED BY FEDERAL, STATE AND/OR LOCAL REGULATIONS AND CODES.
- K.

CONTRACTOR SHALL PROVIDE TANK EXCAVATION HOLE PROTECTION AT AL TIMES UNTIL PAVING IS IN PLACE PER OSHA STANDARD 1910. COVERS AND/OR GUARDRAILS SHALL BE PROVIDED TO PROTECT PERSONNEL FROM THE HAZARDS OF OPEN PITS, TANK VATS, DITCHES, ETC.
- L.

ALL TANK, TRANSITION, AND DISPENSER SUMPS SHALL BE COVERED DURING CONSTRUCTION TO PREVENT DEBRIS AND WATER FROM ACCUMULATING. ANY ACCUMULATION SHALL BE REMOVED AND SUMPS KEPT CLEAN.



CIRCLE K STORES, INC.

Gulf Coast
Business
Unit

DESIGN TEAM TITLE:



engineering • environmental • construction

1055 KATHLEEN ROAD, LAKELAND, FLORIDA 33809

Phone: (863) 646-9130

2151 W. HILLSBORO BOULEVARD, SUITE 401

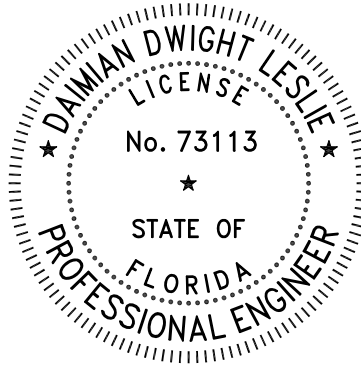
DEERFIELD BEACH, FLORIDA 33442

Phone: (561) 427-3076

FL. CA. #4657

| NO. | DATE | REVISION | DESCRIPTION |
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This item has been digitally signed and sealed by Dairman Leslie, P.E., on date shown. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



DAIRMAN LESLIE, P.E.
FL. REG # 73113

TANK AND PIPING
PLANS & DETAILS

SITE DESIGNATIONS:

CIRCLE K STORE
143 NW CENTURION
COURT
COLUMBIA COUNTY,
LAKE CITY CITY, FL

| | | | |
|--------|----------|-----------|-------|
| SCALE: | AS NOTED | MDM JOB # | 22017 |
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| DATE: | 3-18-20212 |
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| DESIGNED BY: | |
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| DRAWN BY: | DDB/SLO | FILE NAME: | TK002.DWG |
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| CHECKED BY: | |
|-------------|--|

DRAWING TITLE:

GENERAL NOTES

SHEET NO:

TK002

EQUIPMENT LIST

| # | PART DESCRIPTION | MANUFACTURER | MODEL NUMBER | FURN. | INST. | REMARKS |
|--|---|-----------------------|--|-------|-------|--|
| PRODUCT TANKS | | | | | | |
| 1 | DOUBLEWALL FIBERGLASS UNDERGROUND STORAGE TANK | CONTAINMENT SOLUTIONS | 20K - 10' DIA. 20K (12K/8K SPLUT) - 10' DIA 12K - 10' DIA - DIESEL 12K - 8' DIA - DIESEL 8K - 8' DIA (DEF) | CK | GC | COMPLETE WITH CONTAINMENT COLLARS AND MISCELLANIOUS PARTS INCLUDING FIBERGLASS STRAPS, GALVANIZED TIE-DOWNS, AND DEADMEN. HYDROSTATIC INTERSTITIAL FOR ALL TANKS. NO EXCEPTIONS. |
| 2 | DOUBLEWALL FIBERGLASS UNDERGROUND STORAGE TANK | XERVES | 20K - 10' DIA. 20K (12K/8K SPLUT) - 10' DIA 12K - 10' DIA - DIESEL 12K - 8' DIA - DIESEL 8K - 8' DIA (DEF) | CK | GC | COMPLETE WITH CONTAINMENT COLLARS AND MISCELLANIOUS PARTS INCLUDING FIBERGLASS STRAPS, GALVANIZED TIE-DOWNS, AND DEADMEN. HYDROSTATIC INTERSTITIAL FOR ALL TANKS. NO EXCEPTIONS. |
| 3 | MODERN WELDING DOUBLEWALL FIBERGLASS WRAPPED STEEL UNDERGROUND STORAGE TANK | MODERN WELDING | 20K - 10' DIA. 20K (12K/8K SPLUT) - 10' DIA 12K - 10' DIA - DIESEL 12K - 8' DIA - DIESEL 8K - 8' DIA (DEF) | CK | GC | |
| 4 | | | | | | |
| 5 | | | | | | |
| PRODUCT AND VENT PIPING | | | | | | |
| 6 | 2" DOUBLE WALL FIBERGLASS PIPING | AMERON | AMERON-DUALOY 3000/LCX | CK | GC | USE GLUE KIT FOR 100% ALCOHOL COMPATIBILITY. |
| 7 | 2" SINGLE WALL FIBERGLASS PIPING | AMERON | AMERON-DUALOY 3000/L | CK | GC | USE GLUE KIT FOR 100% ALCOHOL COMPATIBILITY. PROTECTIVE MESH IS REQUIRED FOR L PIPING |
| 8 | | | | | | |
| 9 | | | | | | |
| TANK TOP PACKAGES, CONTAINMENT SUMPS, HARDWARE, AND MANHOLES | | | | | | |
| 10 | FILL SPILL BUCKET | EMCO WHEATON | A1004EVR-317SS | CK | GC | NO DRAIN VALVES. |
| 11 | VAPOR BUCKET | EMCO WHEATON | A1004EVR-317SS | CK | GC | NO DRAIN VALVES. |
| 12 | SWIVEL FILL ADAPTOR | OPW | 615ALP-EVR | CK | GC | |
| 13 | 4" FILL CAP | OPW | 634TT-EVR | CK | GC | |
| 14 | SWIVEL VAPOR ADAPTOR | OPW | 61VSA-EVR | CK | GC | DO NOT INSTALL SWIVEL VAPOR ADAPTOR AT DIESEL. |
| 15 | VAPOR CAP | OPW | 1711T-EVR/116-7085 | CK | GC | INSTALL 116-7085 CAP AT DIESEL VAPOR ONLY. INSTALL 1711T-EVR AT ALL OTHER PRODUCTS |
| 16 | EXTRACTOR VALVE 4x4x2 (NO CAGE) | OPW | 233-4420 | CK | GC | |
| 17 | EMCO COMPOSITE 42" MANHOLE W/CAM LOCK | EMCO WHEATON | A0716-042C | CK | GC | |
| 18 | 10' OPW OVERFILL DROP TUBE | OPW | 7150-410C | CK | GC | |
| 19 | 4" X 15' SLOTTED SCH 40 PVC W/ PLUG | OPW | 61SPVC-4015 | CK | GC | |
| 20 | 12" X 15' SLOTTED SCH 40 PVC W/ PLUG | | | CK | GC | |
| 21 | 12" MONITOR WELL MANHOLE | EMCO WHEATON | A0721-128AB | CK | GC | |
| 22 | 18" MONITOR WELL MANHOLE | EMCO WHEATON | A0721-018 | CK | GC | |
| 23 | 18" RAINITTE BOLTED MANHOLE | EMCO WHEATON | A717-018BD | CK | GC | |
| 24 | 4" WELL CAP | EMCO WHEATON | E772-4 | CK | GC | |
| 25 | 12" WELL CAP | BOLES | LC-12 | CK | GC | |
| 26 | UNITED SIGN FILL PIPE ID TAG, DIESEL | UNITED SIGN | FPI-125D | CK | GC | |
| 27 | UNITED SIGN FILL PIPE ID TAG, UNLEADED | UNITED SIGN | FPI-125U | CK | GC | |
| 28 | UNITED SIGN FILL PIPE ID TAG, PREMIUM | UNITED SIGN | FPI-125P | CK | GC | |
| 29 | UNITED SIGN FILL PIPE ID TAG, CK CHOICE | UNITED SIGN | FPI-XXXK | CK | GC | |
| 30 | UNITED SIGN VAPOR RECOVERY ID TAG | UNITED SIGN | FPI-22 | CK | GC | |
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| TURBINE | | | | | | |
| 40 | FE PETRO 2 HP FIXED SPEED W/ MAG SHELL, NO RISER | FRANKLIN FUELING | FE-STPM200-VL2 | CK | GC | REFER TO TK101 FOR PUMP QTY & SIZING CHART |
| 41 | 4" x 24-48" RISER - NPT THREADED 304L STAINLESS STEEL | MCMMASTER CARR | | GC | GC | |
| 42 | 4" x 24-48" RISER - NPT THREADED SCH 40 BLACK STEEL (DIESEL ONLY) | MCMMASTER CARR | | GC | GC | VARIES DEPENDENT UPON TANK BURIAL DEPTH. ORDER PRE-THREADED FROM MNFR. |
| 43 | | | | | | |
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| TURBINE SUMP FITTINGS, PIPING, AND VENT HARDWARE | | | | | | |
| 55 | BRAVO 3/4 FIBERGLASS CONDUIT ENTRY 10 PACK W/ GLUE | BRAVO | F07-FF-10PK | CK | GC | |
| 56 | BRAVO 3" PRODUCT ENTRY - FIBERGLASS | BRAVO | F-30-FF | CK | GC | |
| 57 | BRAVO 2" FLANGED FITTING | BRAVO | F-30-FF | CK | GC | |
| 58 | 3" PIPE CLAMP | BRAVO | T-FF-CLAMP-3 | CK | GC | |
| 59 | GLUE KIT FOR FIBERGLASS ENTRIES - 1 KIT PER FITTING | BRAVO | ADHESIVE-EPOXY-KIT | CK | GC | |
| 60 | 2" TEST BOOTS W/ TEST PORT | OPW | TBA-0200 | CK | GC | |
| 61 | FLEX CONN 2" x 14" MxM SWIVEL END | FRANKLIN FUELING | FF20X14HMMXM346 | CK | GC | |
| 62 | FLEX CONN 2" x 18" MxM SWIVEL END | FRANKLIN FUELING | FF20X18HMMXM346 | CK | GC | |
| 63 | FLEX CONN 2"x24" MxM | FRANKLIN FUELING | FF20X24HMMXM346 | CK | GC | |
| 64 | ISOLATION BOOT 3x30" | OPW | FIT-3530 | CK | GC | |
| 65 | 2" PRESSURE VACUUM VENT | OPW | 623V-2203 | CK | GC | |
| 66 | 2" OPEN ATMOSPHERIC VENT (DIESEL ONLY) | OPW | 23-0033 | CK | GC | |
| 67 | 2" BALL VALVE - STAINLESS STEEL | OPW | 21BV-0200SS | CK | GC | |
| 68 | 2" BALL VALVE - BRASS | OPW | 21BV-0200 | CK | GC | |
| 69 | 2" STEEL PIPING & FITTINGS - 304L STAINLESS STEEL - NPT THREADED | | | GC | GC | |
| 70 | 2" STEEL PIPING & FITTINGS - SCH 40 BLACK STEEL - NPT THREADED (DIESEL ONLY) | | | GC | GC | |
| 71 | 2" STEEL PIPING & FITTINGS - SCH 40 GALVANIZED - NPT THREADED (VENT RISER ONLY) | | | GC | GC | |
| 72 | | | | | | |
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| # | PART DESCRIPTION | MANUFACTURER | MODEL NUMBER | FURN. | INST. | REMARKS |
|--------------------------------|--|-----------------------|-----------------|-------|-------|--|
| DISPENSER & DISPENSER HARDWARE | | | | | | |
| 81 | MULTI-PRODUCT DISPENSER | GILBARCO | ENCORE 700S | CK | GC | REFER TO TK101 FOR PRODUCT QTY AND TYPE (3+1+1, 3+1, 3+0, ETC.) |
| 82 | HUSKY 1+10 GAS NOZZLE - BLACK | HUSKY | N10SUF-UL | CK | GC | |
| 83 | 3/4" x 8" WHIP HOSE - BLACK | CONTINENTAL/CONTITECH | WHP3408 | CK | GC | |
| 84 | 3/4" x 9' GAS HOSE - BLACK | CONTINENTAL/CONTITECH | 3409 | CK | GC | |
| 85 | HUSKY RECONNECTABLE BREAKAWAY | HUSKY | 3360 | CK | GC | |
| 86 | HUSKY 3/4" SWIVEL | HUSKY | 0350 | CK | GC | |
| 87 | HUSKY 1+10 DIESEL NOZZLE - BLACK | HUSKY | N10SUF-UL | CK | GC | |
| 88 | 3/4" x 8" WHIP HOSE - BLACK | CONTINENTAL/CONTITECH | WHP3408 | CK | GC | |
| 89 | 3/4" x 9' BLACK DIESEL HOSE | CONTINENTAL/CONTITECH | 3409 | CK | GC | |
| 90 | BRAVO 1000E FIBERGLASS SUMP FOR ENCORE DISPENSER | BRAVO | B1000-ENC | CK | GC | |
| 91 | BRAVO STABILIZER BAR | BRAVO | BRKT-1000-ENC | CK | GC | |
| 92 | SHEAR VALVE - OPW 1D PLUS DOUBLE POPPET | OPW | 10P-0152 | CK | GC | |
| 93 | FLEX CONN 1.5" x 18" MxM SWIVEL END | VEEDER-ROOT | FF15X18HMMXM346 | CK | GC | |
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| MISCELLANEOUS | | | | | | |
| 105 | 6" BOLLARD COVER | POST-GUARD | GREY - 48" | GC | GC | |
| 106 | 6" x 72" BOLLARDS | | | GC | GC | |
| 107 | 3' x 5' x 13" DISPENSER ISLAND FORMS | RIVERSIDE STEEL | 3X5X13 | CK | GC | ONLY IF REQUIRED BY AUTHORITY HAVING JURISDICTION |
| 108 | 20 CHANNEL INTERCOM SYSTEM-TRADEMARK | ESCO | 941-0114 | CK | GC | |
| 109 | CONTAINMENT LINER | MPC | PETROGARD X | GC | GC | FOR PIPING AND TANK HOLES THAT REQUIRE "TERTIARY CONTAINMENT". VERIFY WITH CK REP AT TIME OF BIDDING |
| 110 | FILTER FABRIC | GSE | 8 OZ GSE NW8 | GC | GC | FOR STANDARD INSTALLATION IN TANK HOLES AND PIPING TRENCHES |
| 111 | FILTER FABRIC | GSE | 16 OZ GSE NW16 | GC | GC | FOR USE WITH ROCK HOLES. INCLUDE IN BID IF ROCK EXISTS. |
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| MONITORING | | | | | | |
| 125 | TLS450PLUS W/ TCH DISPLAY & PRINT - CK | VEEDER-ROOT | 860091-301CK | CK | GC | |
| 126 | TLS450PLUS APPLICATION SOFTWARE - CK | VEEDER-ROOT | 333545-001CK | CK | GC | |
| 127 | RISK MGMT LEAK DETECTION DPILD | VEEDER-ROOT | 332972-008CK | CK | GC | |
| 128 | UNIVERSAL SENSOR PROBE 16 INPUT MOD | VEEDER-ROOT | 332812-001CK | CK | GC | |
| 129 | UNIVERSAL INPUT/OUTPUT INTERFACE MOD | VEEDER-ROOT | 332813-001CK | CK | GC | |
| 130 | CSLD SOFTWARE ENHANCEMENT | VEEDER-ROOT | 332972-006CK | CK | GC | |
| 131 | DPILD WITHOUT SWITCHCHECK | VEEDER-ROOT | 859080-001CK | CK | GC | |
| 132 | 8" MAG PLUS TANK PROBE | VEEDER-ROOT | 846390-107CK | CK | GC | |
| 133 | 10" MAG PLUS TANK PROBE | VEEDER-ROOT | 846390-109CK | CK | GC | |
| 134 | PHASE SEPARATION 4" GAS FLOAT KIT - 10' CABLE | VEEDER-ROOT | 886100-010CK | CK | GC | |
| 135 | 4" NEW STYLE DIESEL FLOAT KIT - 10' CABLE | VEEDER-ROOT | 846400-011CK | CK | GC | |
| 136 | 4" CAP AND RING KIT | VEEDER-ROOT | 312020-952CK | CK | GC | |
| 137 | PIPING SUMP SENSOR | VEEDER-ROOT | 794380-208CK | CK | GC | |
| 138 | SENSOR HOLDER FOR UDC | BRAVO | SH-UDC | CK | GC | |
| 139 | SENSOR HOLDER FOR TANK SUMP | BRAVO | SH-TS | CK | GC | |
| 140 | HYDROSTATIC RESERVOIR SENSOR WITH VENTED CAP | VEEDER-ROOT | 794380-303CK | CK | GC | |
| 141 | EMERGENCY SHUT OFF SIGN | UNITED SIGN | M576 | GC | GC | |
| 142 | EMERGENCY SHUT OFF SWITCH | POWER INTEGRITY | IA-ESDC | GC | GC | |
| 143 | OVERFILL ALARM | VEEDER-ROOT | 790091-001 | CK | GC | |
| 144 | OVERFILL ALARM ACKNOWLEDGEMENT SWITCH | VEEDER-ROOT | 790095-001 | CK | GC | |
| 145 | | | | | | |
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CIRCLE K STORES, INC.
Gulf Coast Business Unit

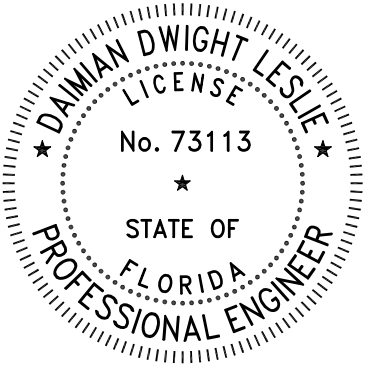
DESIGN TEAM TITLE:



engineering • environmental • construction
1055 KATHLEEN ROAD, LAKELAND, FLORIDA 33806
Phone: (863) 646-9130
2151 W. HILLSBORO BOULEVARD, SUITE 401
DEERFIELD BEACH, FLORIDA 33442
Phone: (561) 427-3076
FL, CA, #4857

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| NO. | DATE | REVISION | DESCRIPTION |
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DAIMIAN LESLIE, P.E.
FL. REG # 73113

TANK AND PIPING PLANS & DETAILS

SITE DESIGNATIONS:

CIRCLE K STORE
143 NW CENTURION COURT
COLUMBIA COUNTY,
LAKE CITY CITY, FL

| | |
|-----------------|-----------------|
| SCALE: AS NOTED | MDM JOB # 22017 |
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| DATE: 3-18-20212 | |
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DESIGNED BY:

| | |
|-------------------|----------------------|
| DRAWN BY: DDB/SLO | FILE NAME: TK006.DWG |
| CHECKED BY: | |

DRAWING TITLE:

EQUIPMENT LIST

SHEET NO.

TK006

EQUIPMENT LIST

| # | PART DESCRIPTION | MANUFACTURER | MODEL NUMBER | FURN. | INST. | REMARKS |
|---|--|---------------|---------------------------------|-------|-------|--|
| HIGH SPEED DIESEL/DEF - DISPENSERS, CONTAINMENT, AND HANGING HARDWARE | | | | | | |
| 156 | ULTRA HI FLOW DISPENSER | GILBARCO | ENCORE 700S | CK | GC | SEE SITE PLAN AND VERIFY NUMBER OF MASTER/SATELLITES WITH CK CONSTRUCTION REP |
| 157 | ULTRA HI FLOW DISPENSER WITH DEF | GILBARCO | ENCORE 700S | CK | GC | SEE SITE PLAN AND VERIFY NUMBER OF MASTER/SATELLITES WITH DEF WITH CK CONSTRUCTION REP |
| 158 | UNITED SIGN FILL PIPE ID TAG, DEF | UNITED SIGN | FPI-XXXX | CK | GC | |
| 159 | SHEAR VALVE - 2" SINGLE POPPET | OPW | 10RF-2001 | CK | GC | FOR USE AT SATELLITE FEEDS ONLY |
| 160 | SHEAR VALVE - 2" DOUBLE POPPET | OPW | 10RF-2002 | CK | GC | FOR USE AT MAINFEED ONLY |
| 161 | SHEAR VALVE - 1" DEF | OPW | 60V-DEF | CK | GC | FOR DEF ONLY. USE BSSP/NPT ADAPTORS PART #5 205900/205899 FOR FINAL CONNECTIONS |
| 162 | ENCORE DIESEL/DEF UNDER DISPENSER SUMP | BRAVO | B1385-530 | CK | GC | FOR USE AT DISPENSERS WITH DEF. INSTALL B1000-ENC (REF. TK006) FOR DISPENSERS WITHOUT DEF. |
| 163 | 1" DEF HOSE - BLUE | OPW | 21GU-H12 | CK | GC | 12" HOSE |
| 164 | STAINLESS STEEL DEF SWIVEL/RECONNECTABLE BREAKAWAY | OPW | 21GU-S58 | CK | GC | COMES WITH 21GU-BCS SWIVEL COVER SLEEVE |
| 165 | 1" DEF NOZZLE - BLUE | OPW | 21GU-040G | CK | GC | NO MIS-FILLING DEVICE. CONFIRM WITH CK WHEN MIS-FILLING DEVICE WILL BE NEEDED. |
| 166 | 1" x 8' WHIP HOSE - BLACK | CONTINENTAL | 20022010 | CK | GC | |
| 167 | 1" MAGNETIC BREAKAWAY DEVICE | CATLOW | CAM TWIST CTM100-HD | CK | GC | |
| 168 | 1" x 10' DIESEL HOSE - BLACK | CONTINENTAL | 20021982 | CK | GC | |
| 169 | 1" SWIVEL | HUSKY | 0087 | CK | GC | |
| 170 | 1" HIGH VOLUME NOZZLE - GREEN | HUSKY | 177610-03 | CK | GC | |
| 171 | FLEX CONN 1" x 18" MM SWIVEL END | FRANKLIN | FF10X18HMMXM346 | CK | GC | |
| 172 | 1" STAINLESS STEEL BALL VALVE | JOMAR | T100-965 | CK | GC | |
| 173 | | | | | | |
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| HIGH SPEED DIESEL SERVICE ISLAND EQUIPMENT | | | | | | |
| 181 | ADA APPROVED FREEZE PROOF WATER HYDRANT W/ 3/4" CONNECTION | MERRIL | R103 | CK | GC | 3/4" OUTLET 1" INLET X 70 - 1/2" HYDRANT |
| 182 | 5HP ELECTRIC AIR COMPRESSOR | CHAMPION | VR5-8 - VERT/HRS-8 - HORIZONTAL | CK | GC | INSTALL IN CK SUPPLIED CABINET AT REAR OF BUILDING OR DUMPSTER ENCLOSURE. REFER TO TK101. |
| 183 | AIR HOSE REEL | REELCRAFT | D8650 ELP | CK | GC | ORDER SIDE WIND OPTION FOR COLUMN MOUNTING |
| 184 | 1/2" X 18" STAINLESS STEEL FLEX CONNECTOR | | | GC | GC | |
| 185 | 1/2" STAINLESS STEEL BALL VALVE | | | GC | GC | |
| 186 | 3/4" SCH 40 PVC | | | GC | GC | FOR USE WITH WATER ONLY. REFER TO CIVIL |
| 187 | 1/2" TYPE K COPPER LINE | | | GC | GC | FOR USE WITH AIR ONLY |
| 188 | 1/2" BRASS BALL VALVE | | | GC | GC | |
| 189 | AIR COMPRESSOR FILTER | CHAMPION | CFL-SERIES | CK | GC | |
| 190 | AIR COMPRESSOR REGULATOR | CHAMPION | | CK | GC | |
| 191 | ANGLED AIR CHUCK | WESTWARD | 2HKY2 | CK | GC | ANGLED AIR CHUCK, 1/4" FEMALE NPT, 150PSI RATING |
| 192 | WATER SPOUT | MILTON | JE 8647 | CK | GC | WATER SPOUT, 1/4" FEMALE NPT |
| 193 | WATER HOSE | | | CK | GC | 20' LENGTH X 3/4", RED |
| 194 | | | | | | |
| 195 | | | | | | |
| DEF TANK HARDWARE AND COMPONENTS | | | | | | |
| 196 | DEF SUBMERSIBLE PUMP KIT | FE PETRO | FE-STP-DEF-VL2 | CK | GC | FOR 8" DIA TANK |
| 197 | 2" STAINLESS STEEL CHECK VALVE | | CSVE200 | CK | GC | |
| 198 | DEF FILL BUCKET | EMCO WHEATON | A100S-S18GW2DEF | CK | GC | USE ONLY WHEN DIRECT BURY FILL IS SPECIFIED |
| 199 | 55 4" X 3" FILL REDUCER ADAPTER | | 55 64149040 | CK | GC | USE ONLY WHEN DIRECT BURY FILL IS SPECIFIED |
| 200 | 55 3" DUST CAP | | 55 1401130 | CK | GC | USE ONLY WHEN DIRECT BURY FILL IS SPECIFIED |
| 201 | DEF REMOTE FILL BOX | MORRISON BROS | S15SD-0200 AC | CK | GC | USE ONLY WHEN REMOTE FILL APPLICATION IS SPECIFIED |
| 202 | DEF OVERFILL DEVICE | MORRISON BROS | 909555-9800AV | CK | GC | USE ONLY WHEN REMOTE FILL APPLICATION IS SPECIFIED |
| 203 | 2" DEF DRY DISCONNECT ADAPTER | MORRISON BROS | 9275-0200 1A | CK | GC | USE ONLY WHEN REMOTE FILL APPLICATION IS SPECIFIED |
| 204 | 2" DEF DUST CAP | MORRISON BROS | 9284-0200 1C | CK | GC | USE ONLY WHEN REMOTE FILL APPLICATION IS SPECIFIED |
| 205 | 2" STAINLESS STEEL BALL VALVE | MORRISON BROS | 6918550800 1V | CK | GC | USE ONLY WHEN REMOTE FILL APPLICATION IS SPECIFIED |
| 206 | 2" LINE STRAINER | MORRISON BROS | 2845-3100 1S | CK | GC | USE ONLY WHEN REMOTE FILL APPLICATION IS SPECIFIED |
| 207 | | | | | | |
| 208 | | | | | | |
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| 210 | | | | | | |

**CIRCLE K STORES, INC.**

Gulf Coast Business Unit

DESIGN TEAM TITLE:

MDM
SERVICES, INC.

engineering • environmental • constructio

1055 KATHLEEN ROAD, LAKELAND, FLORIDA 338

Phone: (863) 646-9130

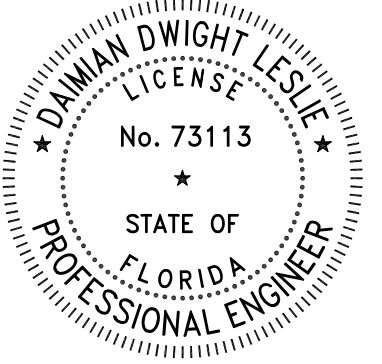
DEERFIELD BEACH, FLORIDA 33442

Phone: (954) 427-3076

[illegible]

| NO. | DATE | REVISION DESCRIPTION |
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DAIMIAN LESLIE, P.E.
FL. REG # 73113

TANK AND PIPING PLANS & DETAILS

SITE DESIGNATIONS

**CIRCLE K STORE
143 NW CENTURION
COURT
COLUMBIA COUNTY,
LAKE CITY CITY, FL**

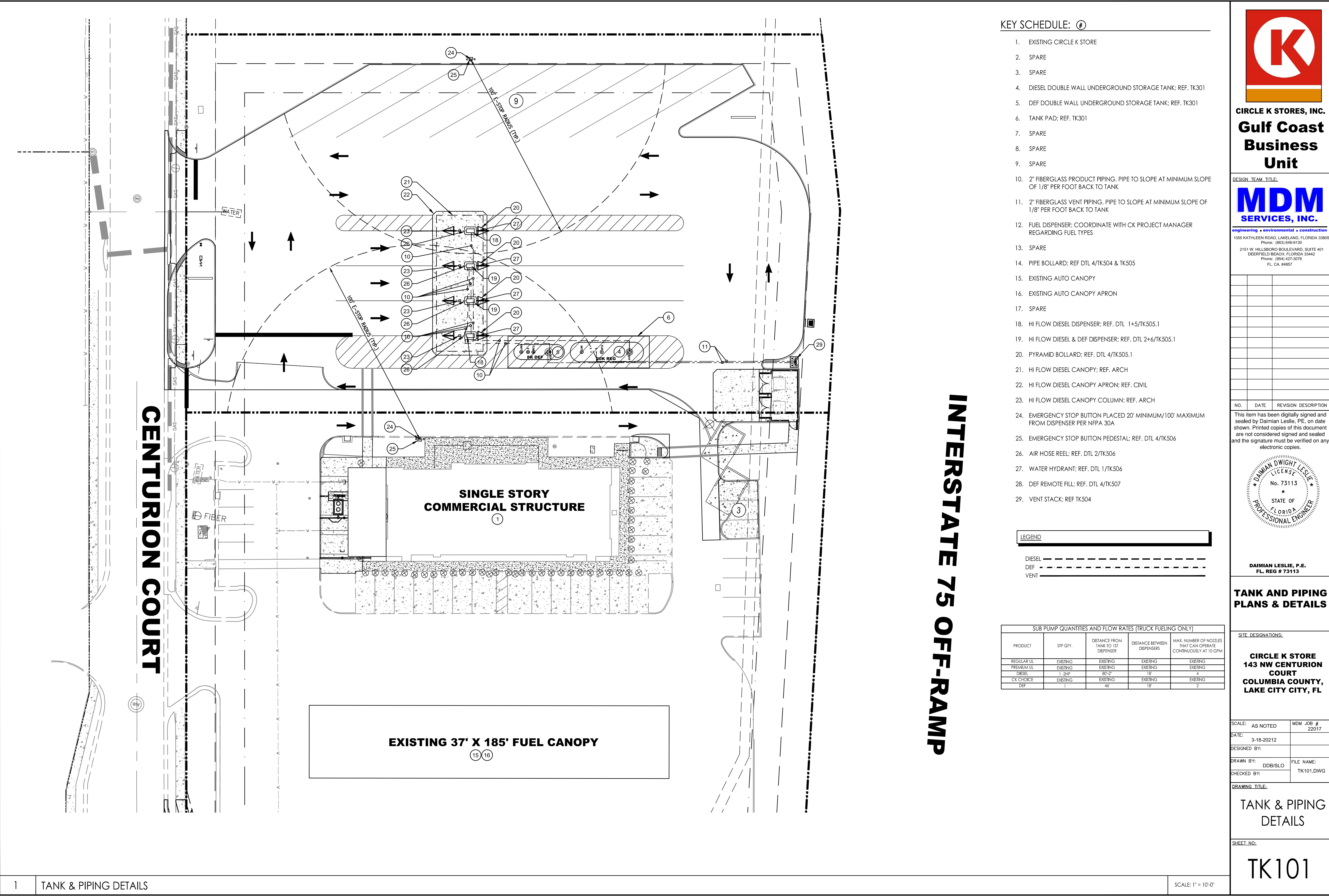
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| SCALE: AS NOTED | MDM JOB # 22017 |
| DATE: 3-18-20212 | |
| DESIGNED BY: | |
| DRAWN BY: DDB/SLO | FILE NAME: TK007.DWG |
| CHECKED BY: | |

DRAWING TITLE:

EQUIPMENT LIST

SHEET NO:

TK007



KEY SCHEDULE: #

- 1. EXISTING CIRCLE K STORE
- 2. SPARE
- 3. SPARE
- 4. DIESEL DOUBLE WALL UNDERGROUND STORAGE TANK; REF. TK301
- 5. DEF DOUBLE WALL UNDERGROUND STORAGE TANK; REF. TK301
- 6. TANK PAD; REF. TK301
- 7. SPARE
- 8. SPARE
- 9. SPARE
- 10. 2" FIBERGLASS PRODUCT PIPING. PIPE TO SLOPE AT MINIMUM SLOPE OF 1/8" PER FOOT BACK TO TANK
- 11. 2" FIBERGLASS VENT PIPING. PIPE TO SLOPE AT MINIMUM SLOPE OF 1/8" PER FOOT BACK TO TANK
- 12. FUEL DISPENSER; COORDINATE WITH CK PROJECT MANAGER REGARDING FUEL TYPES
- 13. SPARE
- 14. PIPE BOLLARD; REF DTL 4/TK504 & TK505
- 15. EXISTING AUTO CANOPY
- 16. EXISTING AUTO CANOPY APRON
- 17. SPARE
- 18. HI FLOW DIESEL DISPENSER; REF. DTL 1+5/TK505.1
- 19. HI FLOW DIESEL & DEF DISPENSER; REF. DTL 2+6/TK505.1
- 20. PYRAMID BOLLARD; REF. DTL 4/TK505.1
- 21. HI FLOW DIESEL CANOPY; REF. ARCH
- 22. HI FLOW DIESEL CANOPY APRON; REF. CIVIL
- 23. HI FLOW DIESEL CANOPY COLUMN; REF. ARCH
- 24. EMERGENCY STOP BUTTON PLACED 20' MINIMUM/100' MAXIMUM FROM DISPENSER PER NFPA 30A
- 25. EMERGENCY STOP BUTTON PEDESTAL; REF. DTL 4/TK506
- 26. AIR HOSE REEL; REF. DTL 2/TK506
- 27. WATER HYDRANT; REF. DTL 1/TK506
- 28. DEF REMOTE FILL; REF. DTL 4/TK507
- 29. VENT STACK; REF TK504

LEGEND

DIESEL
DEF
VENT

| SUB PUMP QUANTITIES AND FLOW RATES (TRUCK FUELING ONLY) | | | | |
|---|----------|-------------------------------------|-----------------------------|--|
| PRODUCT | STP QTY. | DISTANCE FROM TANK TO 1ST DISPENSER | DISTANCE BETWEEN DISPENSERS | MAX. NUMBER OF NOZZLES THAT CAN OPERATE CONTINUOUSLY AT 10 GPM |
| REGULAR UL | EXISTING | EXISTING | EXISTING | EXISTING |
| PREMIUM UL | EXISTING | EXISTING | EXISTING | EXISTING |
| DIESEL | 1 SHP | 80'± | 18' | 4 |
| CK CHOICE | EXISTING | EXISTING | EXISTING | EXISTING |
| DEF | 1 | 46' | 18' | 2 |

CIRCLE K STORES, INC.
Gulf Coast Business Unit

DESIGN TEAM TITLE:
MDM SERVICES, INC.
engineering • environmental • construction
1055 KATHLEEN ROAD, LAKELAND, FLORIDA 33809
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2151 W. HILLSBORO BOULEVARD, SUITE 401
DEERFIELD BEACH, FLORIDA 33442
Phone: (561) 427-3076
FL, CA, #4857

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|--|------|----------------------|-------------|
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| | | | |
| DAIMIAN LESLIE, P.E. FL REG # 73113 | | | |
| TANK AND PIPING PLANS & DETAILS | | | |
| SITE DESIGNATIONS: CIRCLE K STORE 143 NW CENTURION COURT COLUMBIA COUNTY, LAKE CITY CITY, FL | | | |
| SCALE: AS NOTED | | MDM JOB # 22017 | |
| DATE: 3-18-20212 | | | |
| DESIGNED BY: | | | |
| DRAWN BY: DDB/SLO | | FILE NAME: TK101.DWG | |
| CHECKED BY: | | | |
| DRAWING TITLE: TANK & PIPING DETAILS | | | |
| SHEET NO: TK101 | | | |



Gulf Coast Business Unit

DESIGN TEAM TITLE:

MDM
SERVICES, INC.

engineering • environmental • construction

055 KATHLEEN ROAD, LAKE LAND, FLORIDA 338
Phone: (863) 646-9130

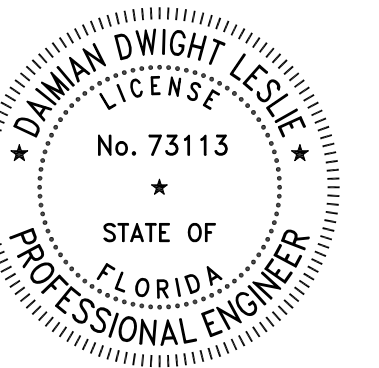
2151 W. HILLSBORO BOULEVARD, SUITE 401

DEERFIELD BEACH, FLORIDA 33442
Phone: (954) 427-3076

FL. CA. #4857

[illegible][illegible]

| NO. | DATE | REVISION | DESCRIPTION |
|--|------|----------|-------------|
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DAIMIAN LESLIE, P.E.
FL. REG # 73113

TANK AND PIPING PLANS & DETAILS

SITE DESIGNATIONS:

**CIRCLE K STORE
143 NW CENTURION
COURT
COLUMBIA COUNTY,
LAKE CITY CITY, FL**

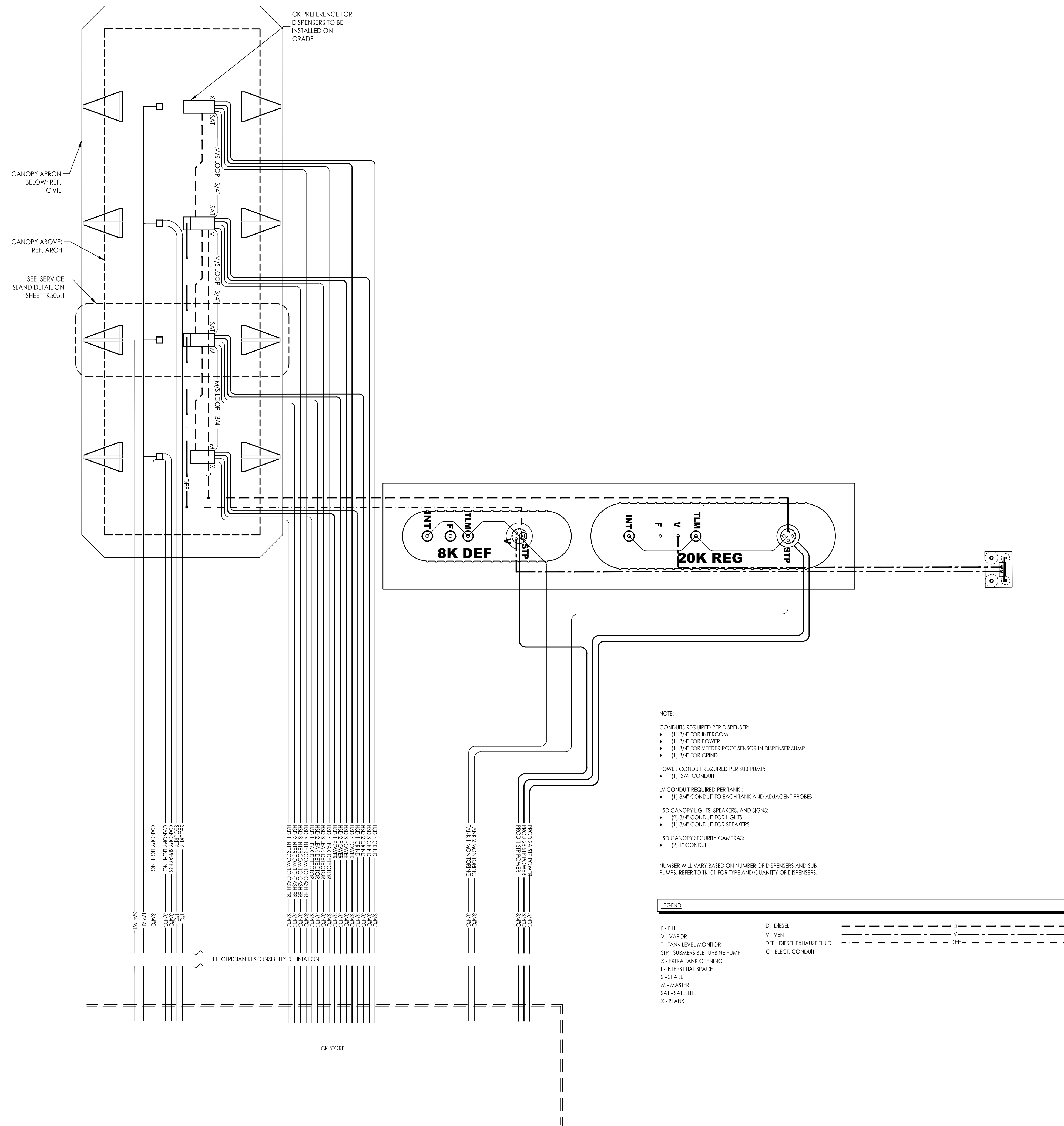
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|------------------|--------------------|
| DATE: AS NOTED | MDM JOB # 22017 |
| DATE: 3-18-20212 | |
| SIGNED BY: | |
| AWN BY: DDB/SLO | FILE NAME: |
| CHECKED BY: | TK102.DWG |

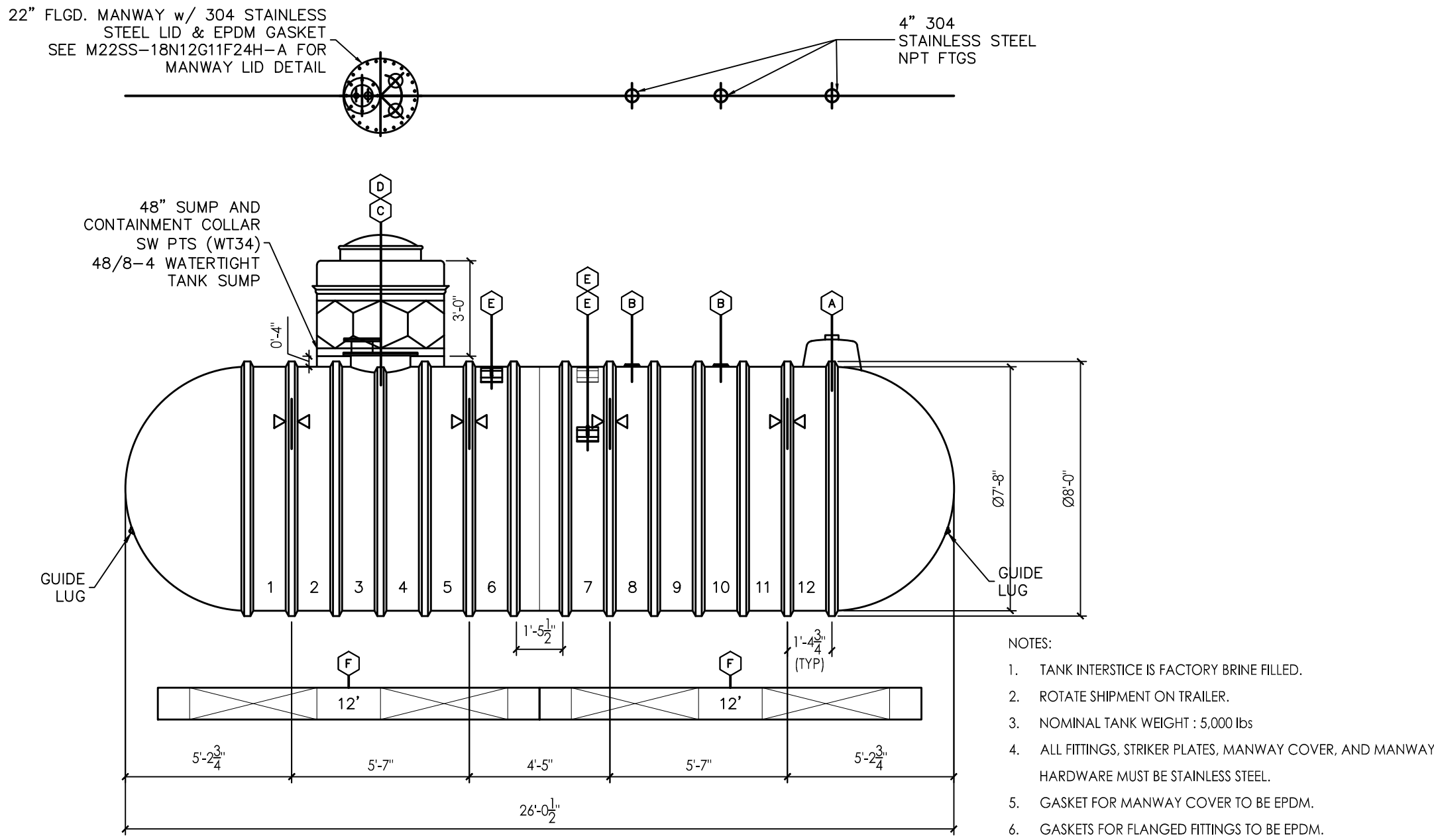
DRAWING TITLE:

SCHEMATIC
WIRING, PIPING
& DETAILS

SHEET NO: _____

TK102





| ITEM | QTY | DESCRIPTION |
|------|-----|--|
| A | 1 | 4" NPT (S.S.) MONITOR FITTING |
| B | 2 | 4" NPT (S.S.) SERVICE FITTING WITH STRIKER PLATE (S.S.) (SEE NOTE 4) |
| C | 1 | 48" DIA. SW CONTAINMENT COLLAR & 48" HIGH 8 SIDED SW SUMP WITH 36" DIA. WATERTIGHT TOP COVER (SEE NOTES 4, 5, 6) |
| D | 1 | 22" DIA. MANWAY WITH SPECIAL COVER (S.S.) & STRIKER PLATES (S.S.) |
| E | 3 | LIFTING LUG |
| F | 4 | 12' PREFABRICATED CONCRETE DEADMEN |
| ⊠ | 4 | HOLD DOWN STRAP LOCATION |

| ITEM | QTY | DESCRIPTION |
|------|-----|--|
| A | 1 | 18"DIA HYDROSTATIC MONITORING RESERVOIR WITH 4"NPT FITTING |
| B | 3 | 4"NPT SERVICE FITTING WITH STRIKER PLATE |
| C | 1 | 22"DIA MANWAY WITH 4-4"NPT FITTINGS IN COVER & STRIKER PLATE |
| D | 1* | 42"DIA SW CONTAINMENT COLLAR & 36"HIGH 8 SIDED SW SUMP WITH 30"DIA LEVER LOCK WATERTIGHT TOP |
| D | 1* | 48"DIA SW CONTAINMENT COLLAR & 36"HIGH 8 SIDED SW SUMP WITH 30"DIA LEVER LOCK WATERTIGHT TOP |
| E | 3 | LIFTING LUG (12"x10") 22.5", 22.5", 45" |
| F | 4 | 18' PREFABRICATED CONCRETE DEADMEN |
| ⊠ | 6 | HOLD DOWN STRAP LOCATION |

*USE 42" COLLAR AND SUMP FOR TANKS WITH (1) STPS ONLY

*USE 48" COLLAR AND SUMP FOR TANKS WITH (2) STPS

18K GALLON UNDERGROUND DEF STORAGE TANK (8' DIAMETER)

SCALE: NTS

20K GALLON UNDERGROUND STORAGE TANK (10' DIAMETER)

SCALE: NTS



CIRCLE K STORES, INC.
**Gulf Coast
Business
Unit**

DESIGN TEAM TITLE:

MDM
SERVICES, INC.

engineering • environmental • construction

1055 KATHLEEN ROAD, LAKELAND, FLORIDA 33809

Phone: (863) 646-9130

2151 W. HILLSBORO BOULEVARD, SUITE 401

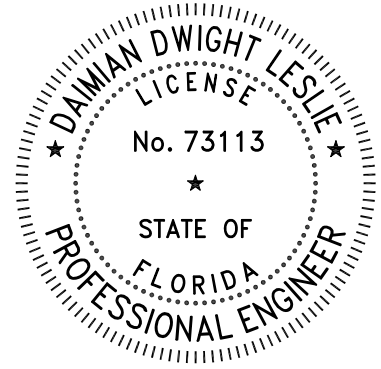
DEERFIELD BEACH, FLORIDA 33442

Phone: (561) 427-3076

FL, CA #4857

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DAIMIAN LESLIE, P.E.
FL REG # 73113

**TANK AND PIPING
PLANS & DETAILS**

SITE DESIGNATIONS:

**CIRCLE K STORE
143 NW CENTURION
COURT
COLUMBIA COUNTY,
LAKE CITY CITY, FL**

SCALE: AS NOTED MDM JOB # 22017

DATE: 3-18-20212

DESIGNED BY:

DRAWN BY: DDB/SLO FILE NAME: TK201.DWG

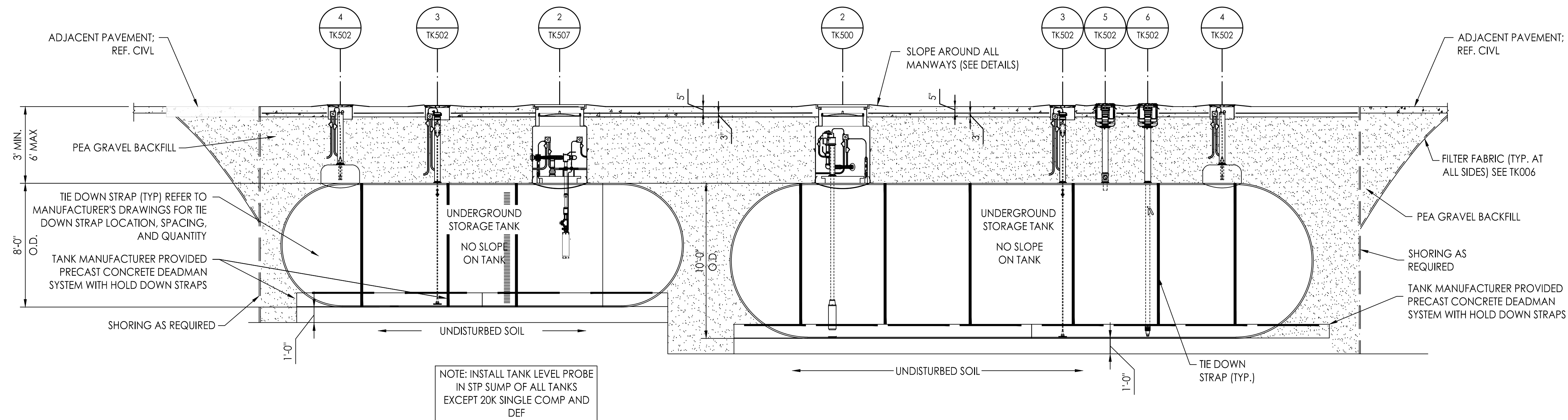
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DRAWING TITLE:

STANDARD
TANKS

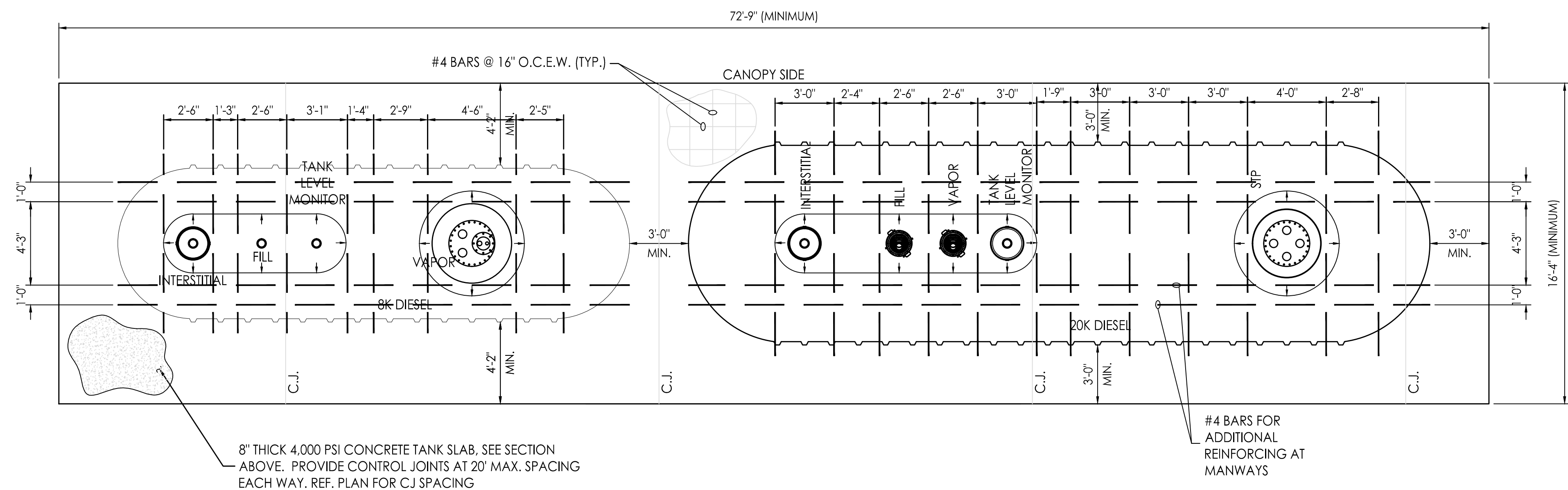
SHEET NO:

TK201



1 UNDERGROUND STORAGE TANK PROFILE

SCALE: NONE



2 UNDERGROUND STORAGE TANK PLAN

SCALE: NONE



CIRCLE K STORES, INC.
**Gulf Coast
Business
Unit**

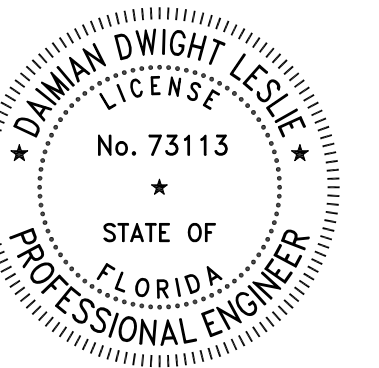
DESIGN TEAM TITLE:

MDM
SERVICES, INC.

engineering • environmental • construction
1055 KATHLEEN ROAD, LAKELAND, FLORIDA 33806
Phone: (883) 646-9130
2151 W. HILLSBORO BOULEVARD, SUITE 401
DEERFIELD BEACH, FLORIDA 33442
Phone: (561) 427-3076
FL. CA. #4857

NO. DATE REVISION DESCRIPTION

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DAIMIAN LESLIE, P.E.
FL. REG # 73113

**TANK AND PIPING
PLANS & DETAILS**

SITE DESIGNATIONS:

**CIRCLE K STORE
143 NW CENTURION
COURT
COLUMBIA COUNTY,
LAKE CITY CITY, FL**

SCALE: AS NOTED MDM JOB # 22017

DATE: 3-18-20212

DESIGNED BY:

DRAWN BY: DDB/SLO FILE NAME: TK301.DWG

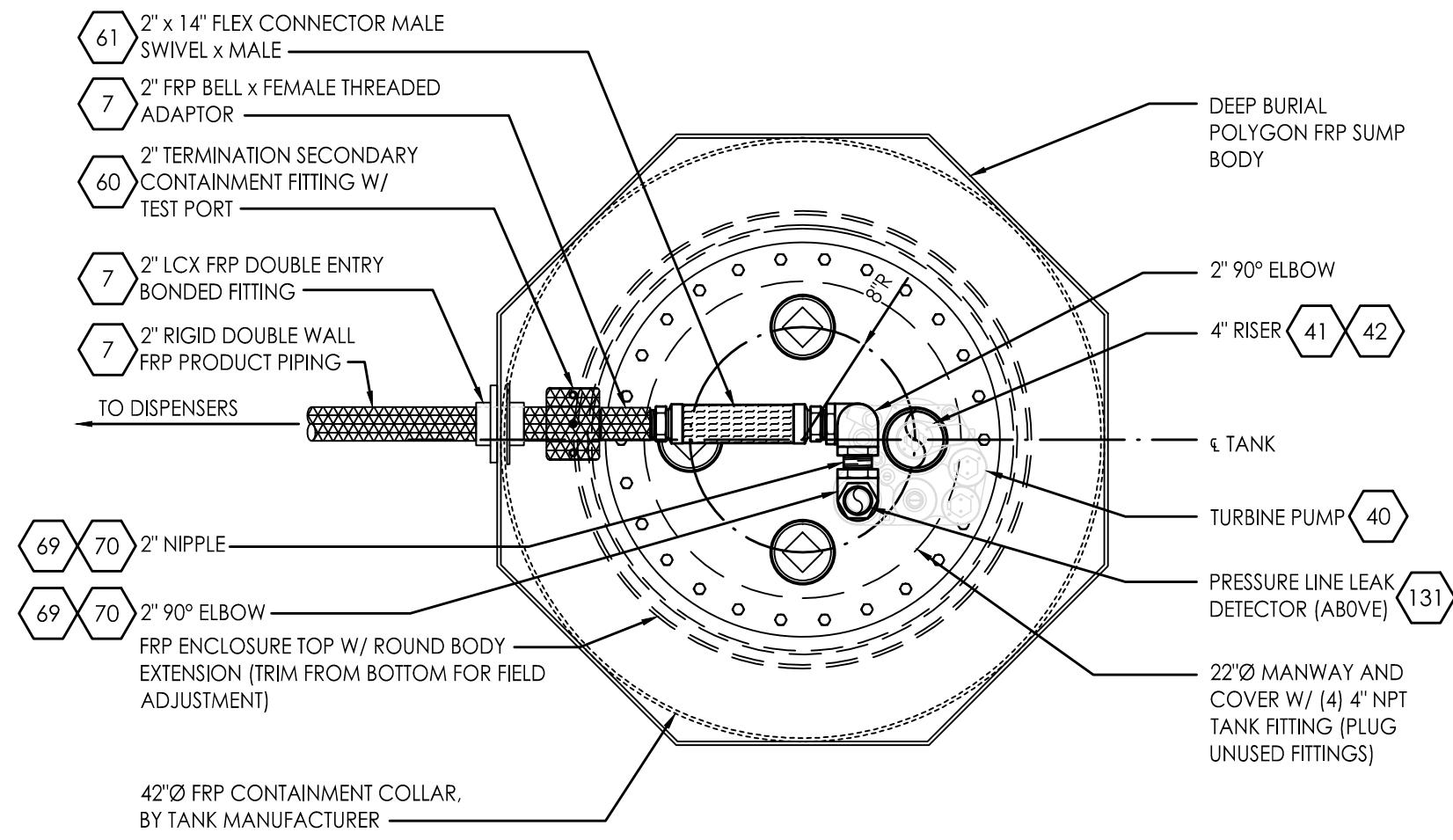
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DRAWING TITLE:

**TYPICAL UST PLAN
AND SECTIONS**

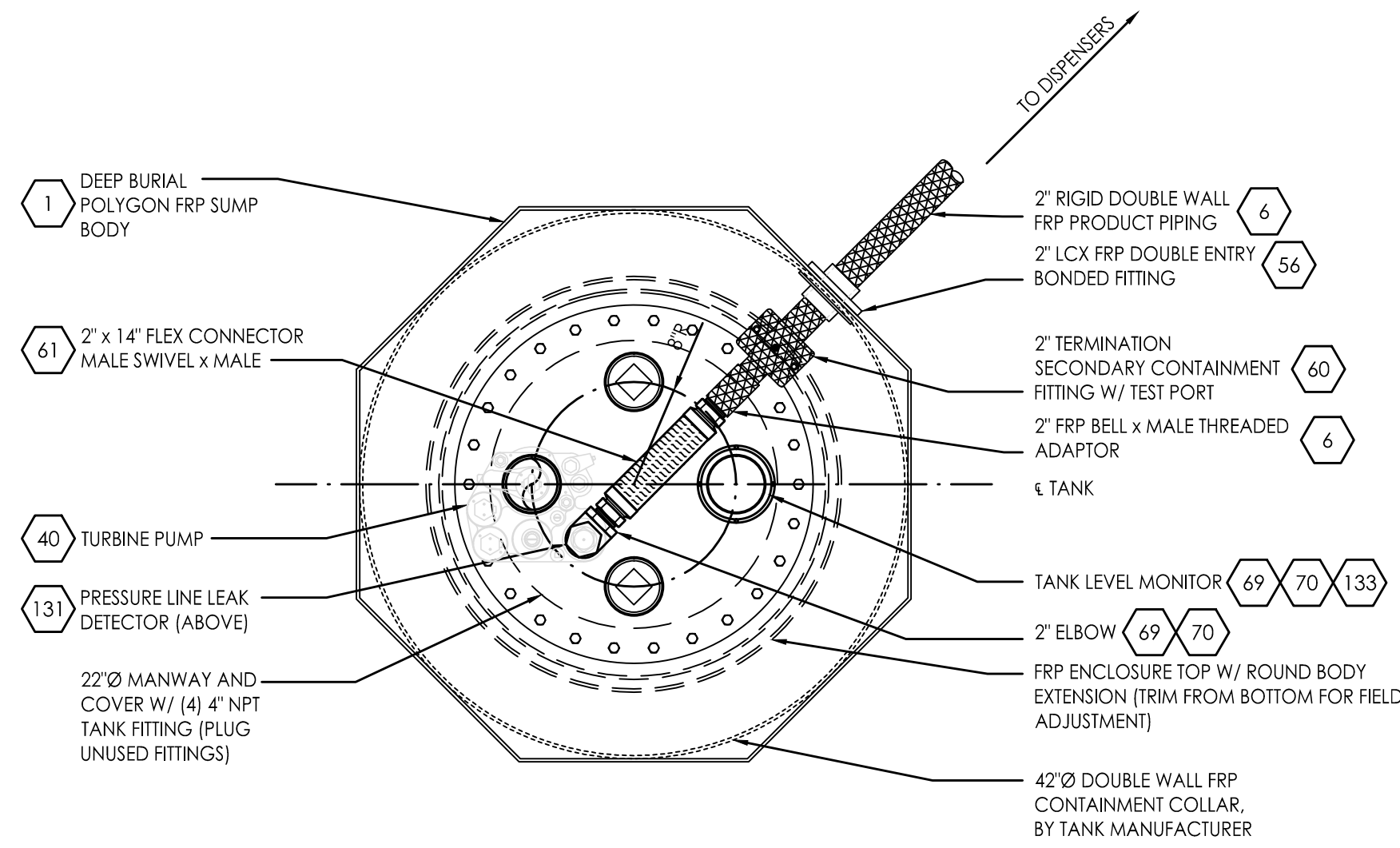
SHEET NO.

TK301



NOTE:

- FOR ALL FUEL TYPES EXCEPT FOR DIESEL, ALL COMPONENTS MUST BE SCH. 40 STAINLESS STEEL.
- FOR DIESEL, ALL COMPONENTS MUST BE BLACK IRON.
- PRODUCT PIPING CONFIGURATION AND EXIT POINTS MAY VARY. REFER TO TK101.



NOTE:

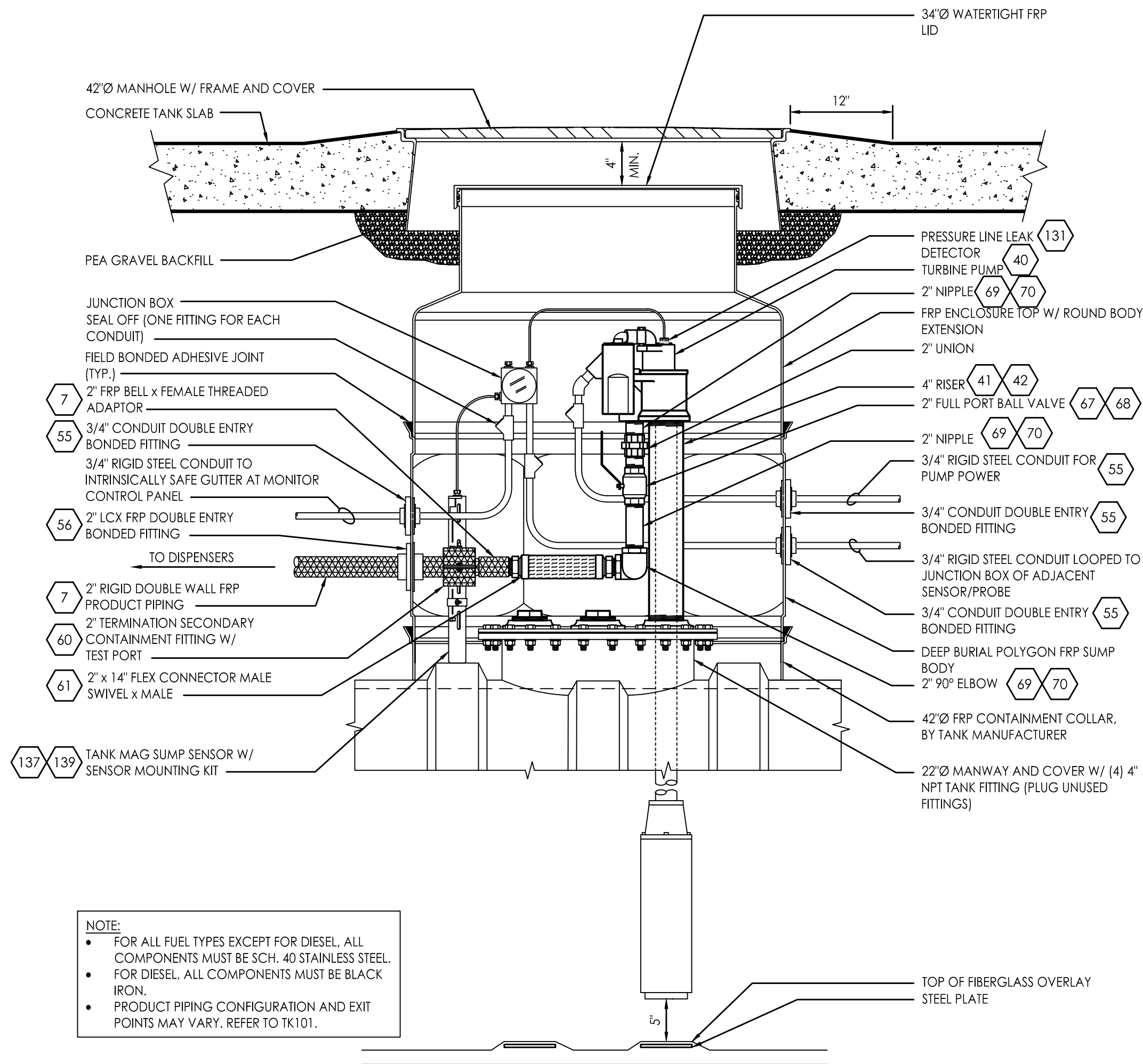
- FOR ALL FUEL TYPES EXCEPT FOR DIESEL, ALL COMPONENTS MUST BE SCH. 40 STAINLESS STEEL.
- FOR DIESEL, ALL COMPONENTS MUST BE BLACK IRON.
- PRODUCT PIPING CONFIGURATION AND EXIT POINTS MAY VARY. REFER TO TK101.

1 TANK SUMP DETAIL - PLAN

SCALE: NTS

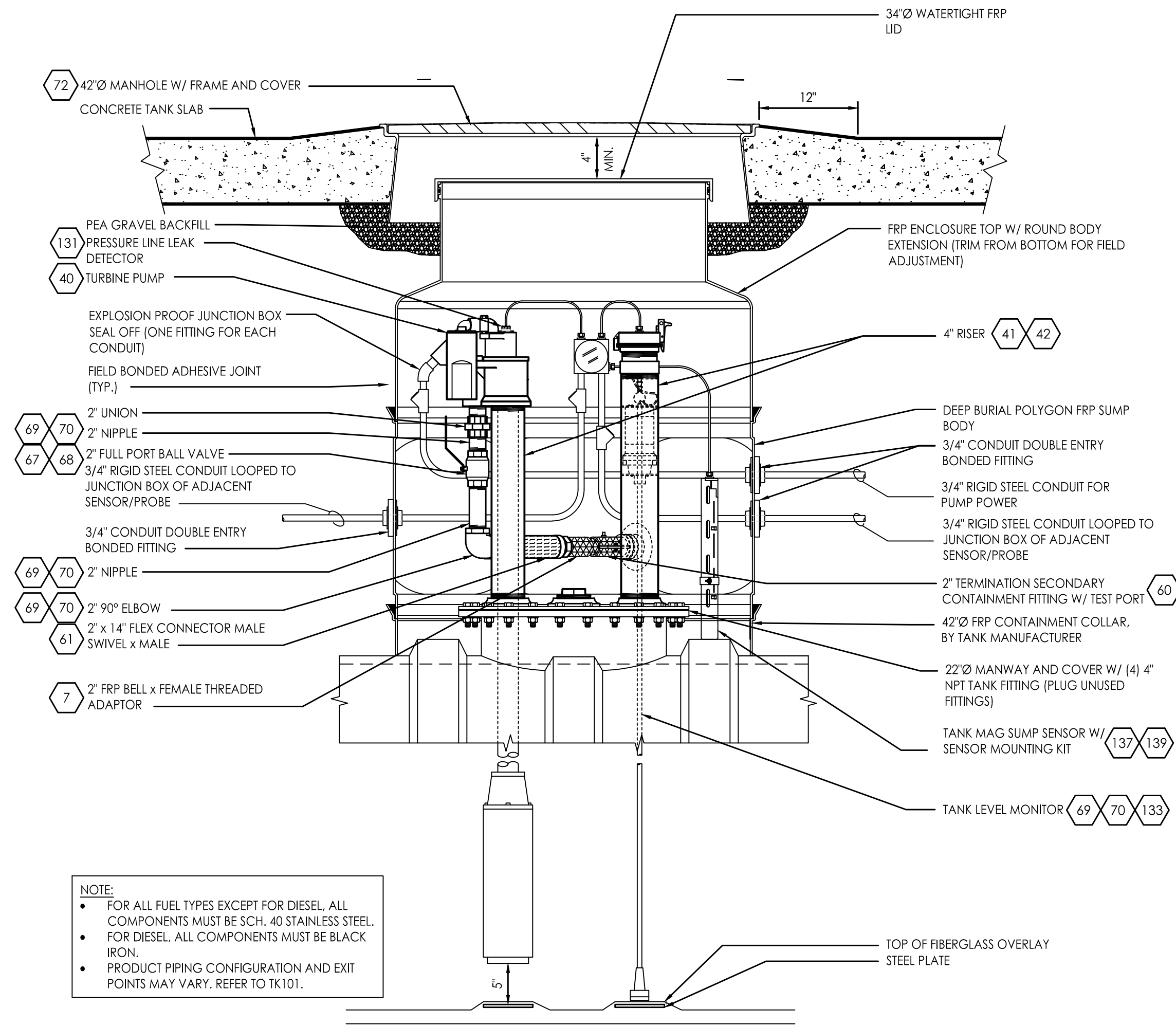
3 TANK SUMP DETAIL - PLAN

SCALE: NTS



NOTE:

- FOR ALL FUEL TYPES EXCEPT FOR DIESEL, ALL COMPONENTS MUST BE SCH. 40 STAINLESS STEEL.
- FOR DIESEL, ALL COMPONENTS MUST BE BLACK IRON.
- PRODUCT PIPING CONFIGURATION AND EXIT POINTS MAY VARY. REFER TO TK101.



NOTE:

- FOR ALL FUEL TYPES EXCEPT FOR DIESEL, ALL COMPONENTS MUST BE SCH. 40 STAINLESS STEEL.
- FOR DIESEL, ALL COMPONENTS MUST BE BLACK IRON.
- PRODUCT PIPING CONFIGURATION AND EXIT POINTS MAY VARY. REFER TO TK101.

2 TANK SUMP DETAIL - PROFILE

SCALE: NTS

4 TANK SUMP DETAIL - PROFILE

SCALE: NTS



CIRCLE K STORES, INC.
**Gulf Coast
Business
Unit**

DESIGN TEAM TITLE:

MDM
SERVICES, INC.

engineering • environmental • construction

1055 KATHLEEN ROAD, LAKELAND, FLORIDA 33809

Phone: (863) 646-9130

2151 W. HILLSBORO BOULEVARD, SUITE 401

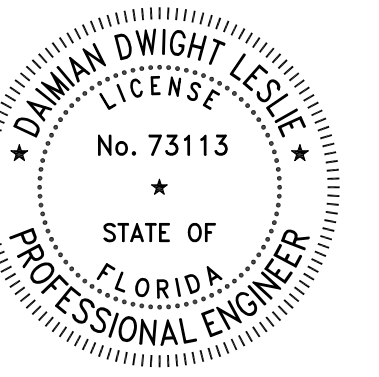
DEERFIELD BEACH, FLORIDA 33442

Phone: (561) 427-3076

FL, CA, #4857

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DAIMIAN LESLIE, P.E.
FL REG # 73113

**TANK AND PIPING
PLANS & DETAILS**

SITE DESIGNATIONS:

**CIRCLE K STORE #TBD
HIGHWAY 98(E 15TH
STREET)
& STATE ROAD 389
BAY COUNTY,
PANAMA CITY, FL**

SCALE: AS NOTED MDM JOB # 21016

DATE: 1-22-2021

DESIGNED BY:

DRAWN BY: DDB/SLO FILE NAME: TK501.DWG

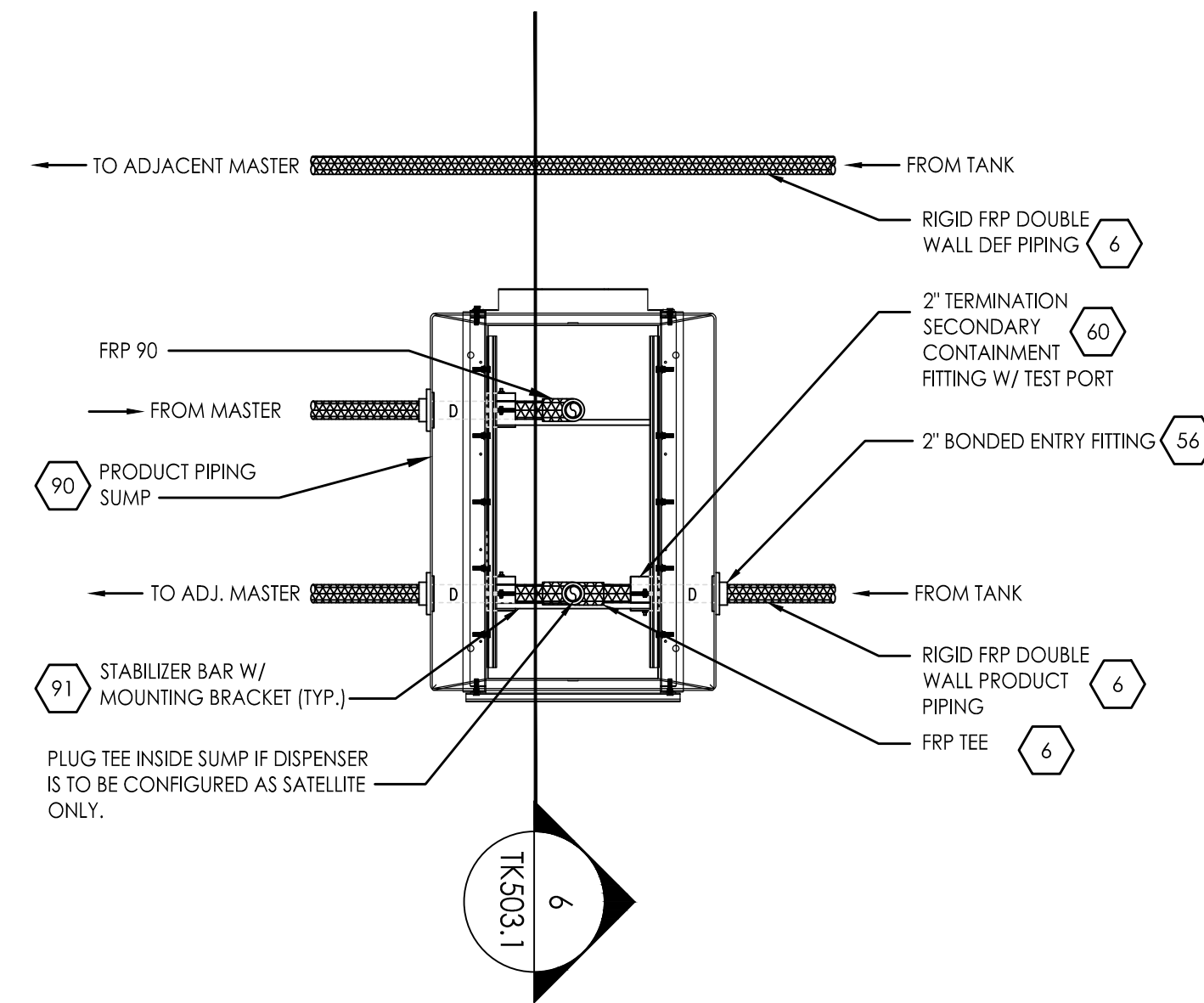
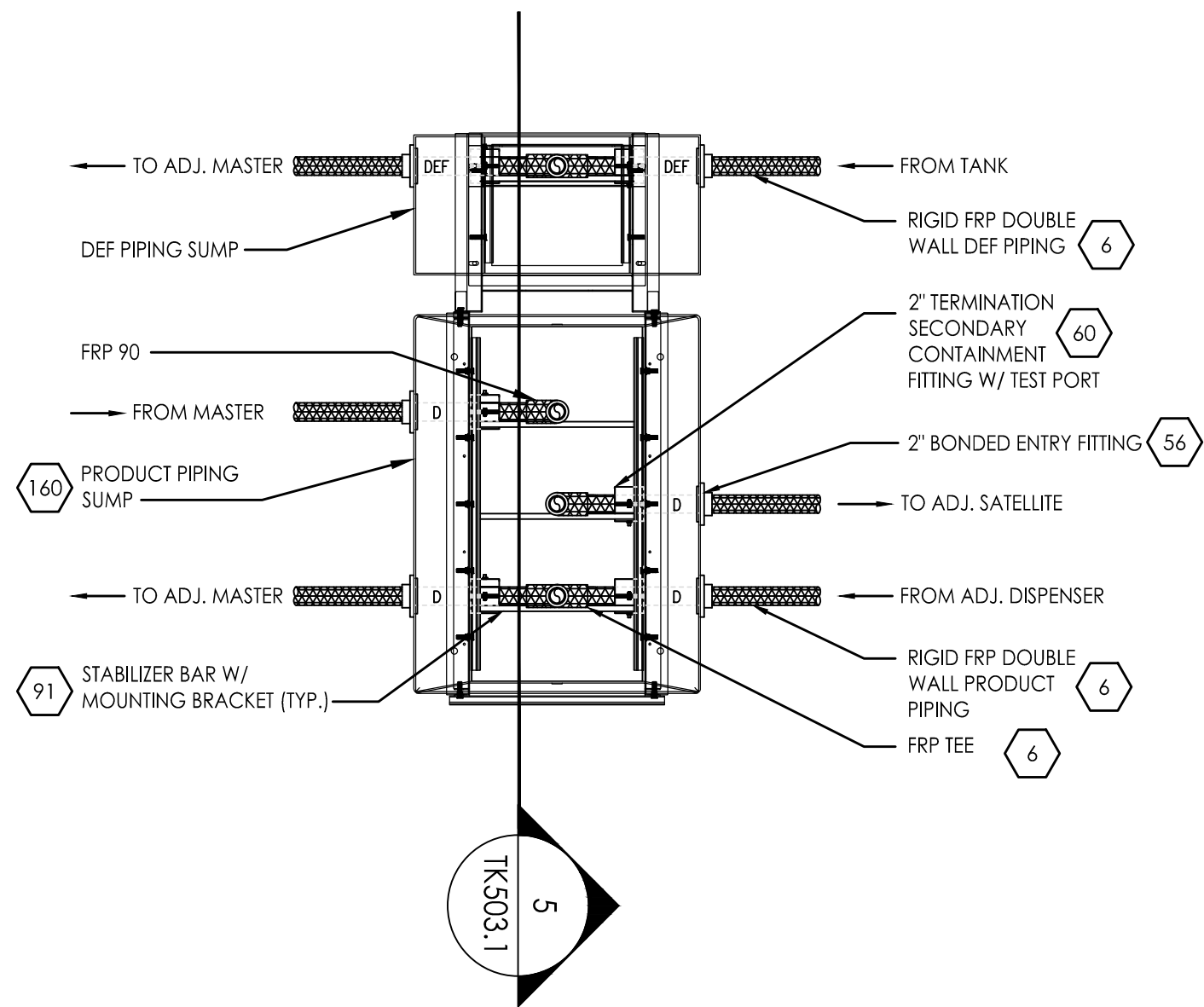
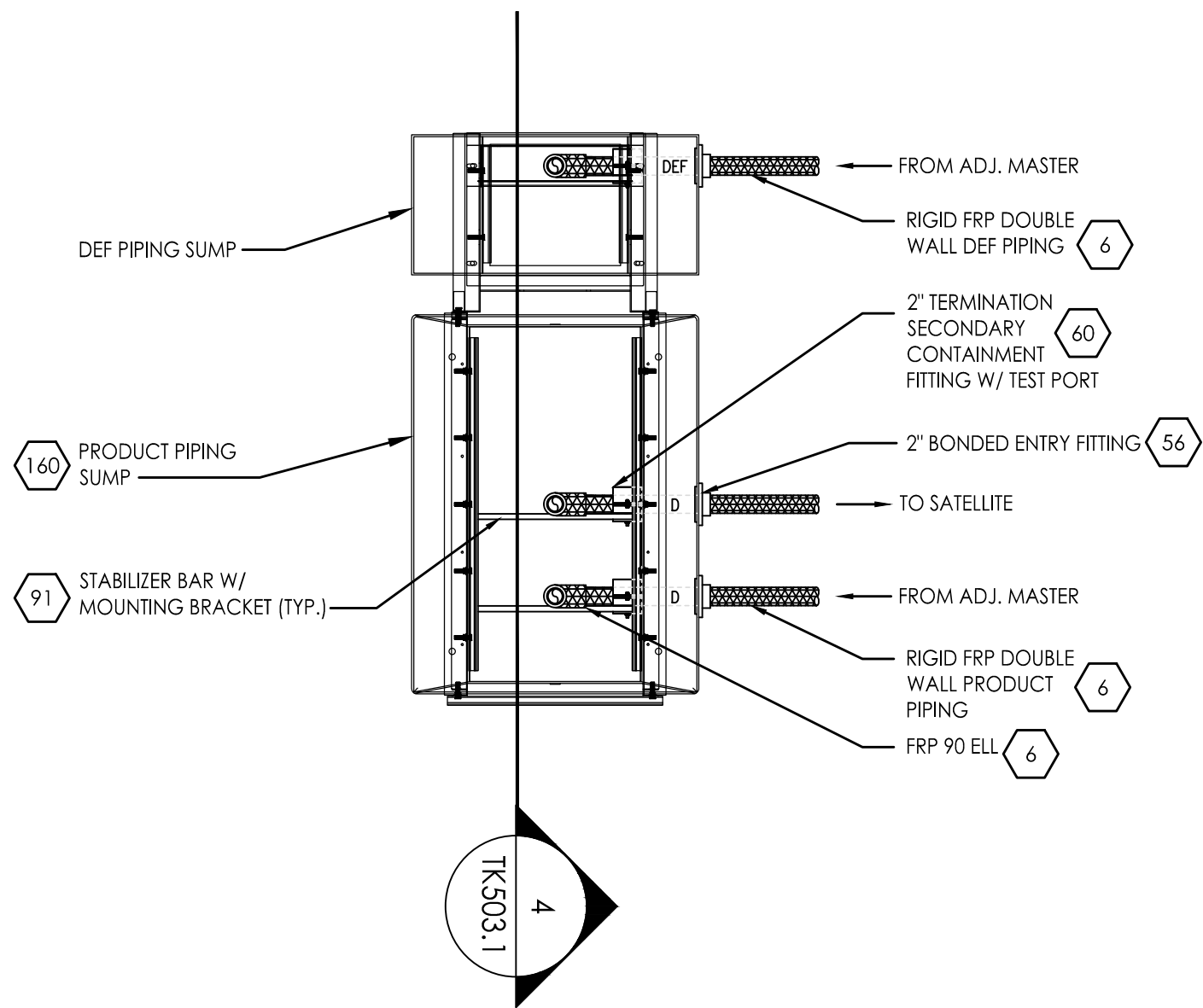
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DRAWING TITLE:

**TANK SUMP
DETAILS**

SHEET NO:

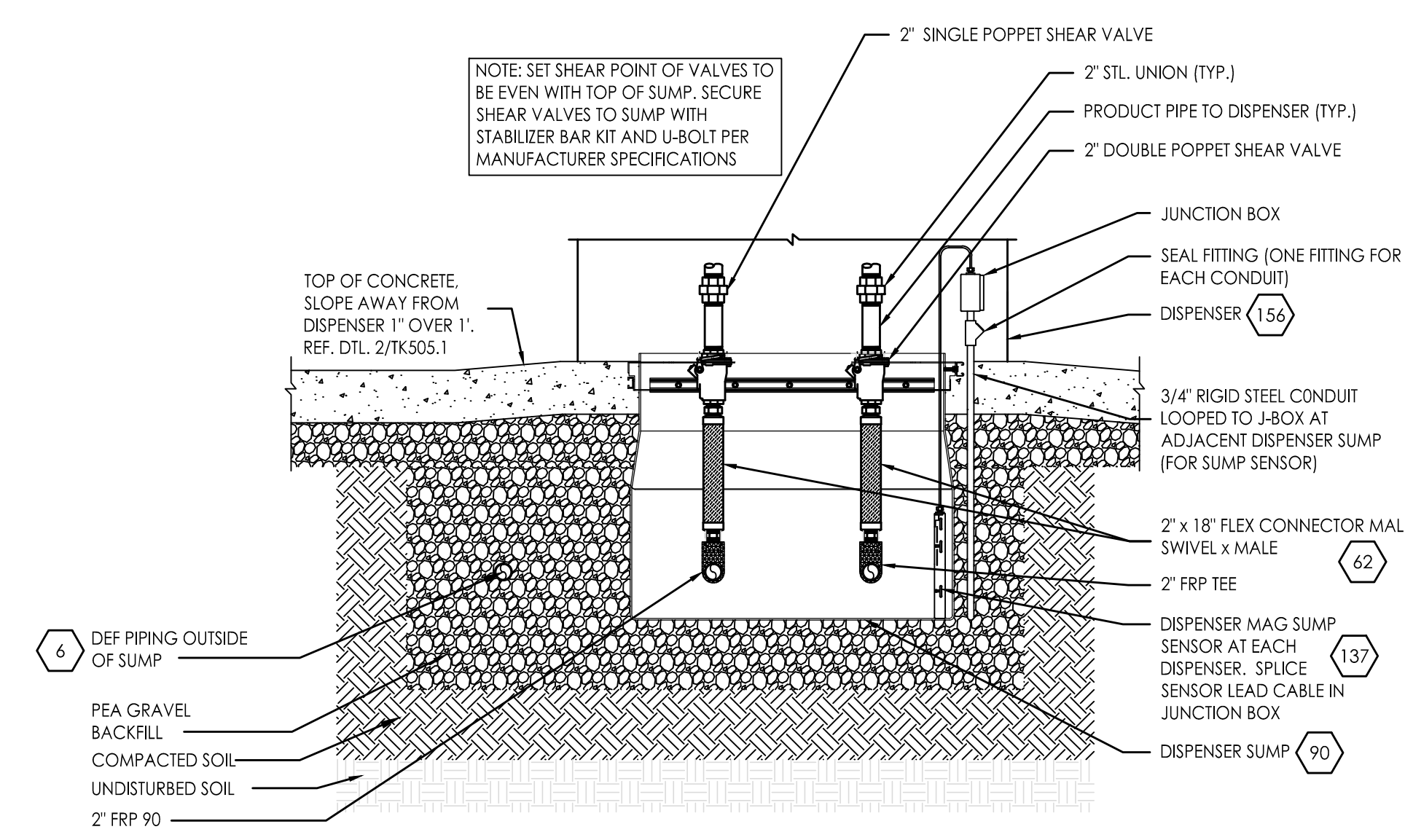
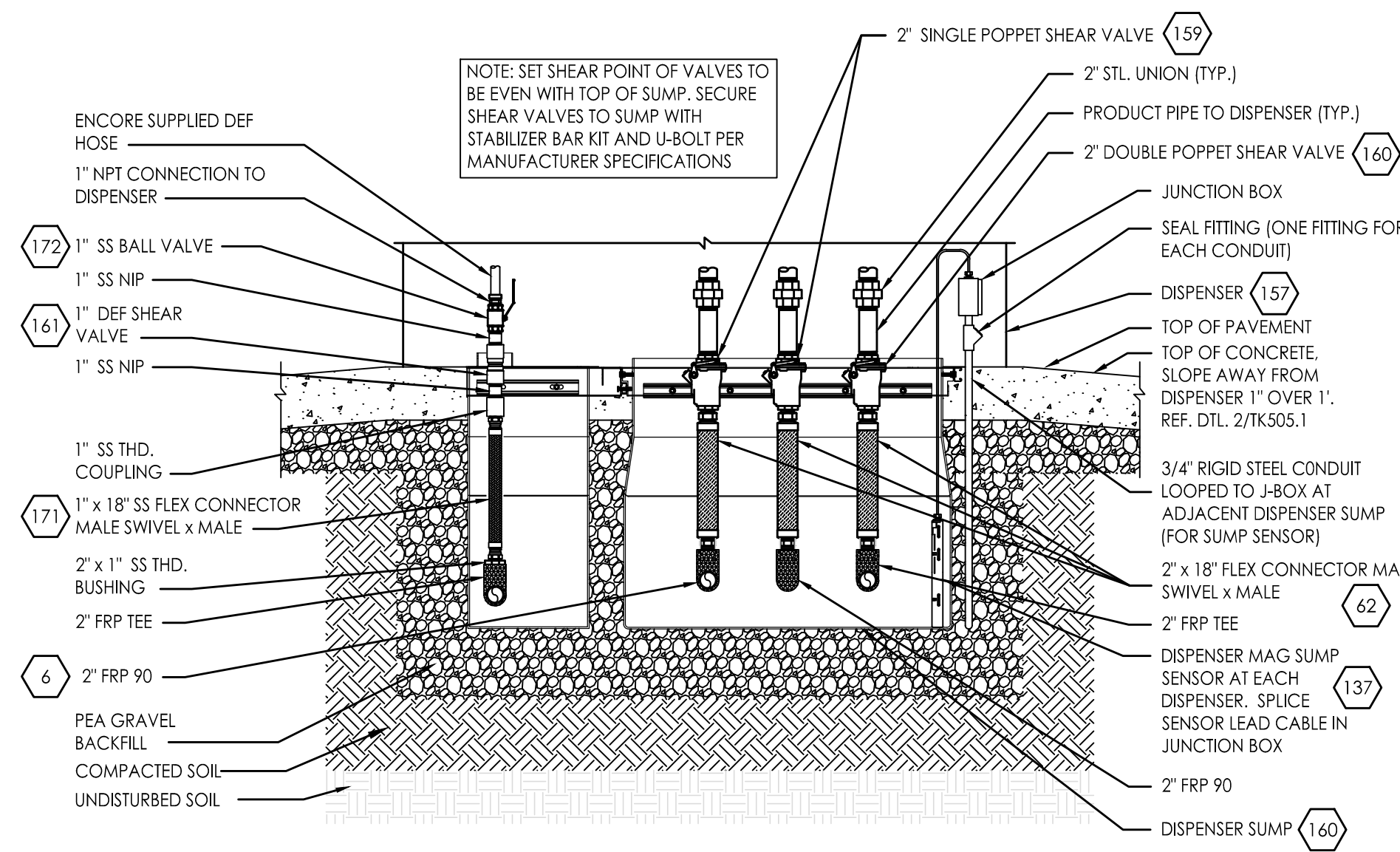
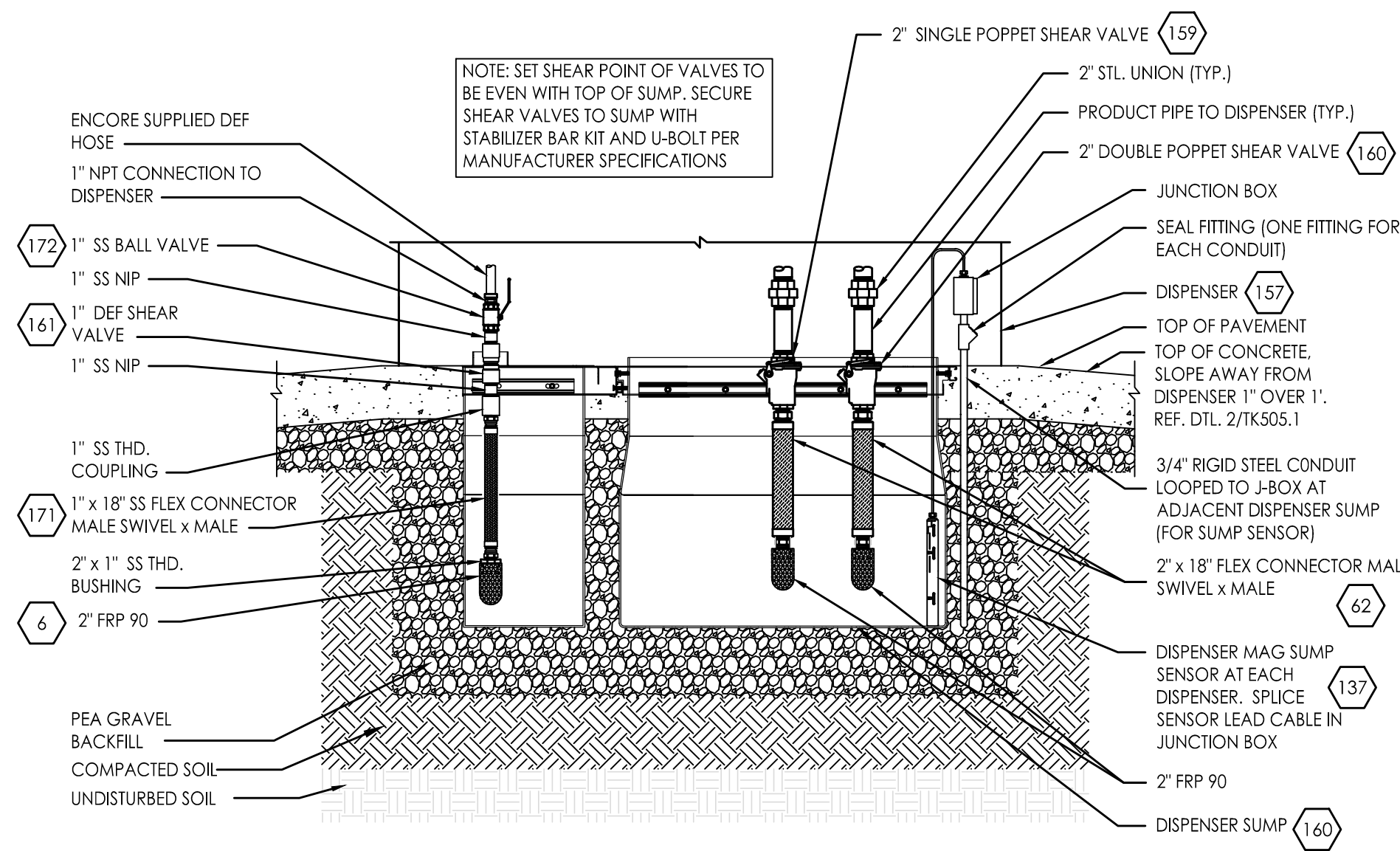
TK501



1 DISPENSER SUMP & DEF SUMP DETAIL (THROUGH & THROUGH) SCALE: NONE

2 DISPENSER SUMP & DEF SUMP DETAIL (THROUGH & THROUGH) SCALE: NONE

3 DISPENSER SUMP DETAIL (NO DEF) SCALE: NONE



4 DISPENSER SUMP & DEF SUMP DETAIL (THROUGH & THROUGH) SCALE: NONE

5 DISPENSER SUMP & DEF SUMP DETAIL (THROUGH & THROUGH) SCALE: NONE

6 DISPENSER SUMP DETAIL (NO DEF) SCALE: NONE



CIRCLE K STORES, INC.
Gulf Coast Business Unit

DESIGN TEAM TITLE:

MDM SERVICES, INC.

engineering • environmental • construction

1055 KATHLEEN ROAD, LAKELAND, FLORIDA 33809

Phone: (863) 646-9130

2151 W. HILLSBORO BOULEVARD, SUITE 401

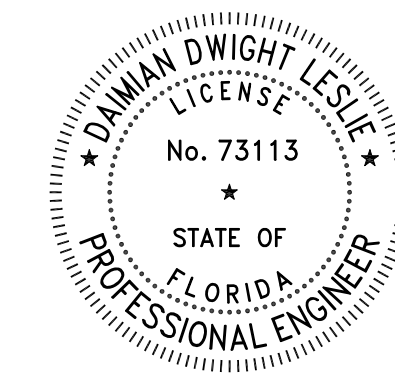
DEERFIELD BEACH, FLORIDA 33442

Phone: (561) 421-3076

FL. CA. #4857

NO. DATE REVISION DESCRIPTION

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DAIMIAN LESLIE, P.E.
FL REG # 73113

TANK AND PIPING PLANS & DETAILS

SITE DESIGNATIONS:

CIRCLE K STORE
143 NW CENTURION COURT
COLUMBIA COUNTY,
LAKE CITY CITY, FL

SCALE: AS NOTED MDM JOB # 22017

DATE: 3-18-20212

DESIGNED BY:

DRAWN BY: DDB/SLO FILE NAME:

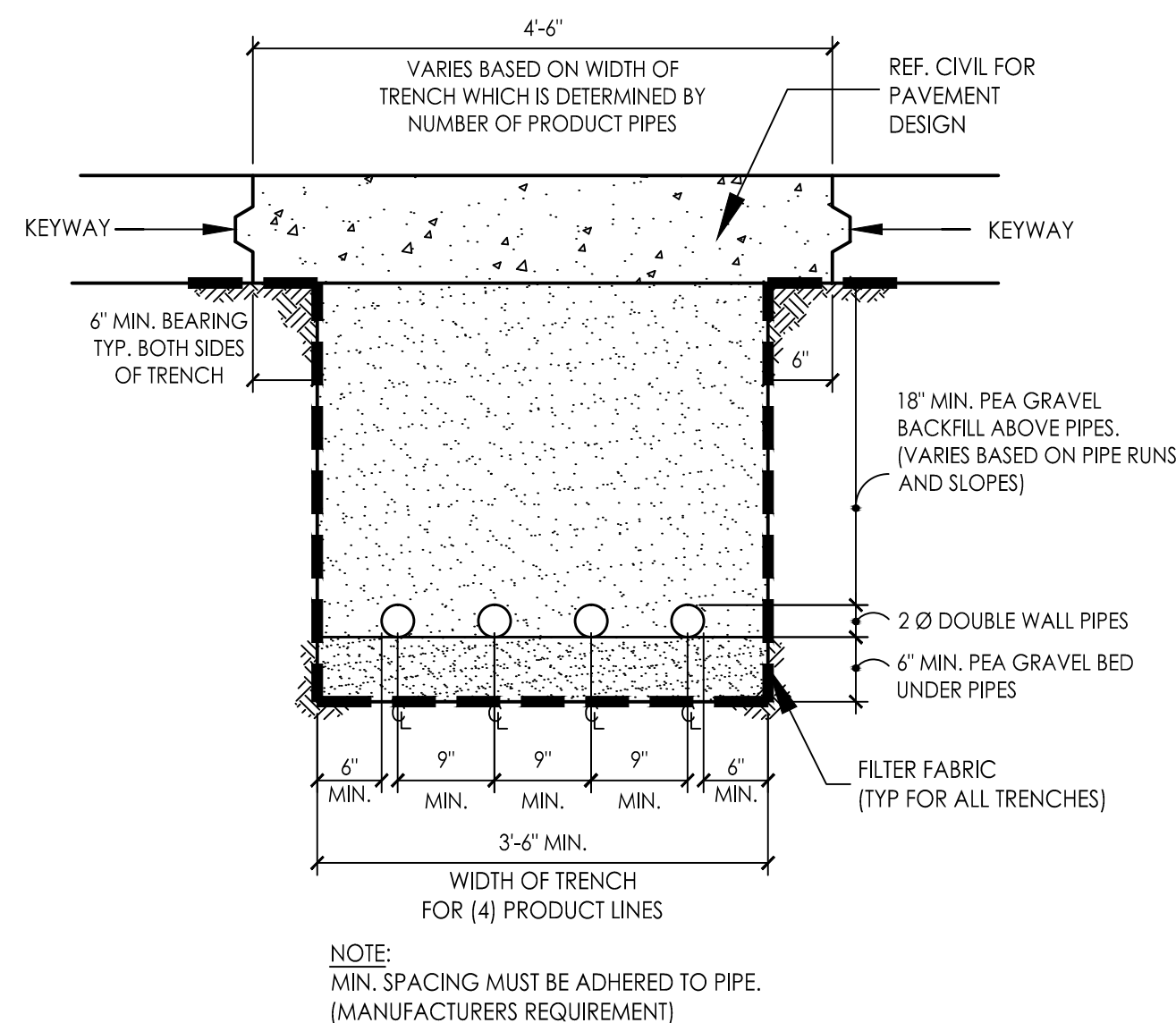
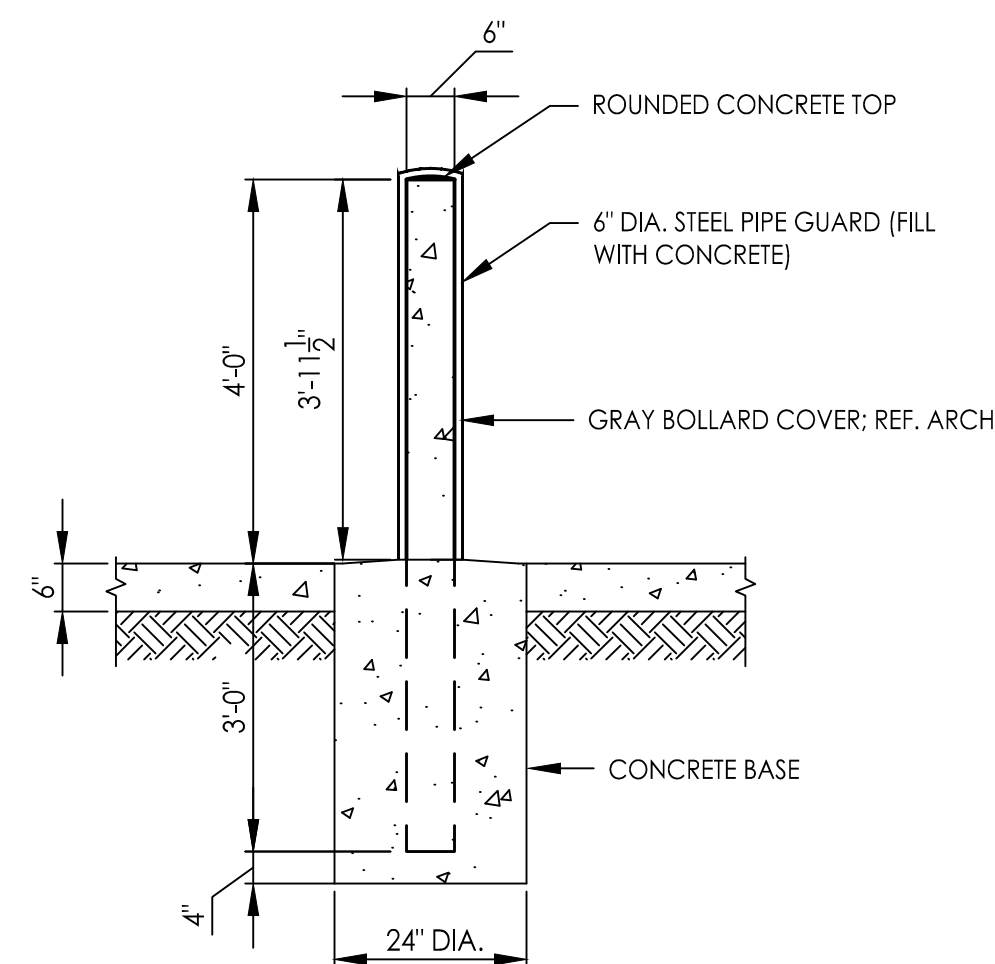
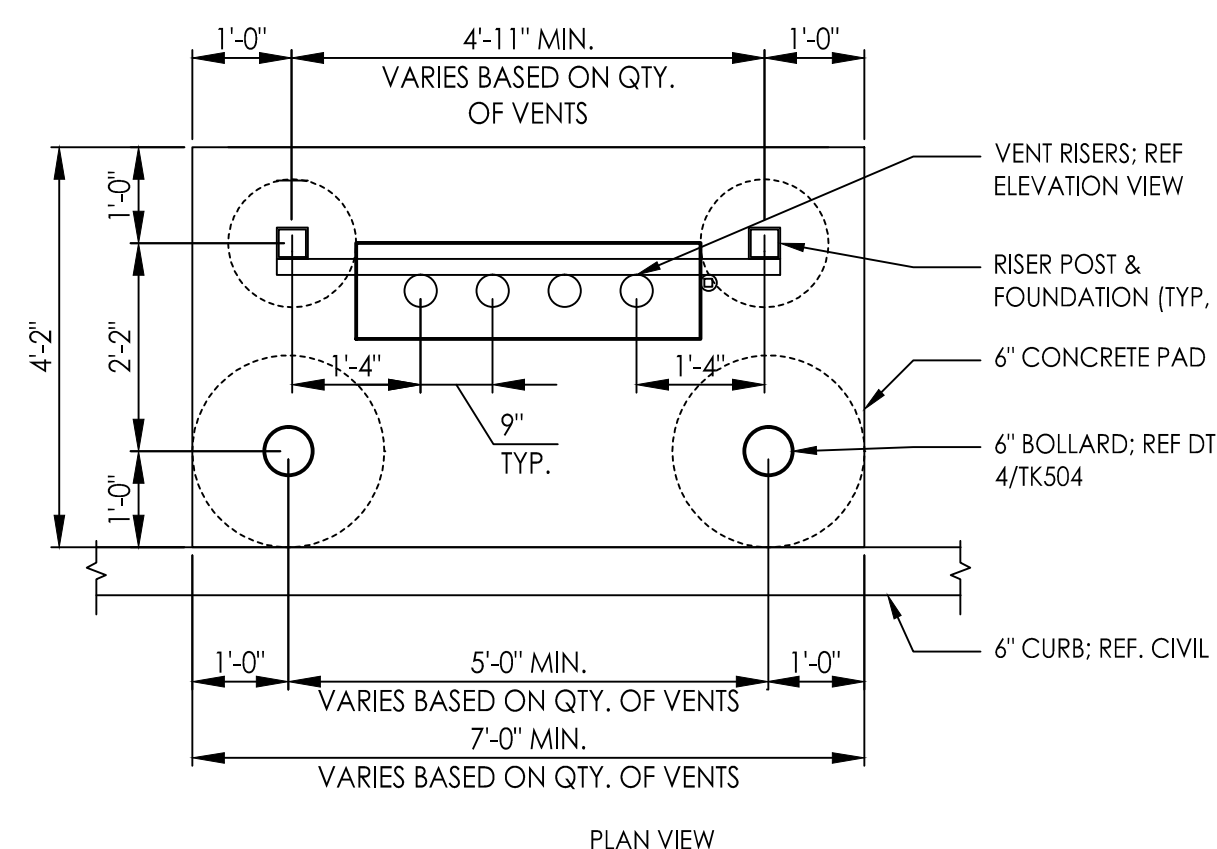
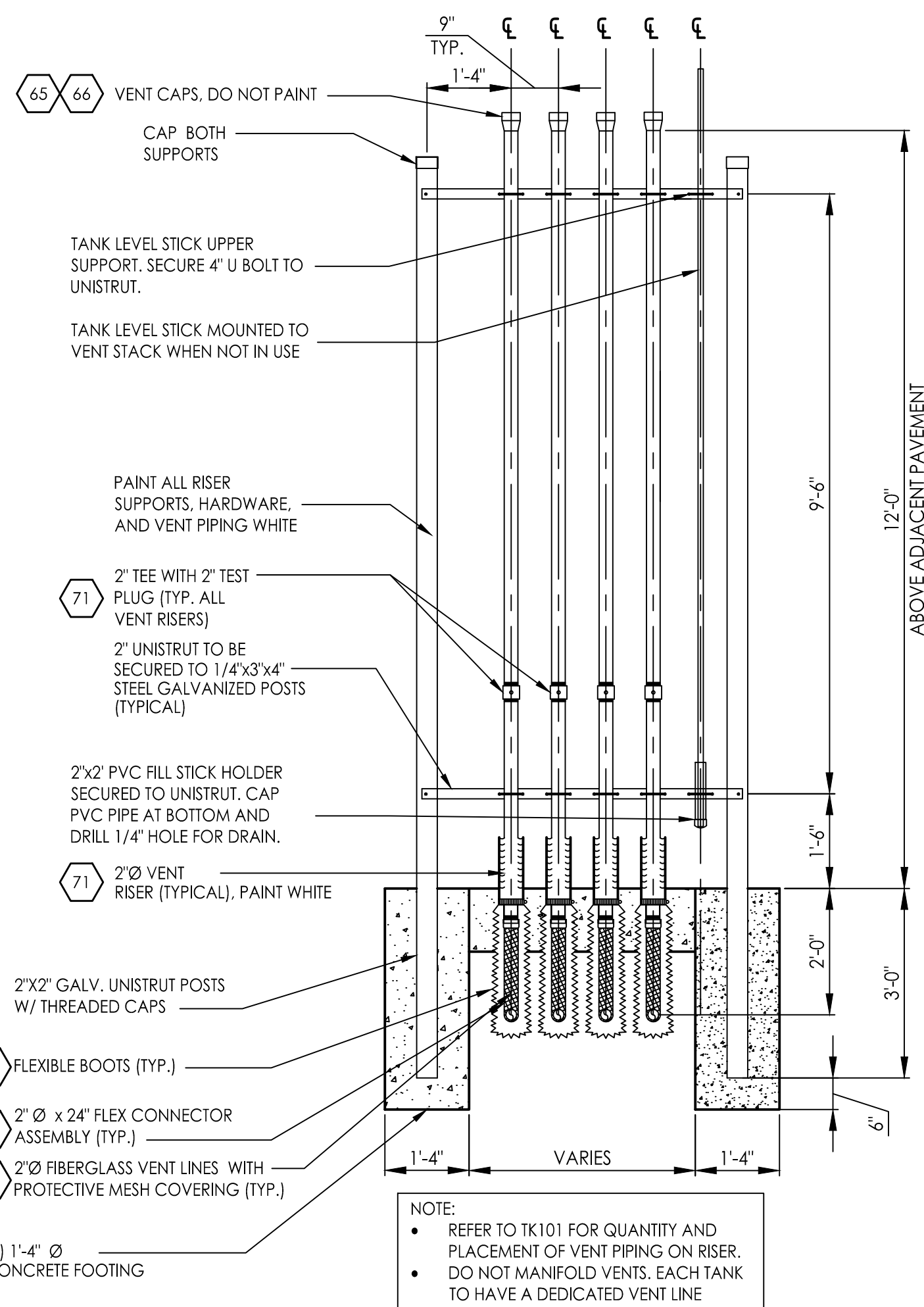
CHECKED BY: TK503.1.DWG

DRAWING TITLE:

DISPENSER SUMP DETAILS

SHEET NO:

TK503.1



CIRCLE K STORES, INC.
Gulf Coast
Business
Unit

DESIGN TEAM TITLE:

MDM
SERVICES, INC.

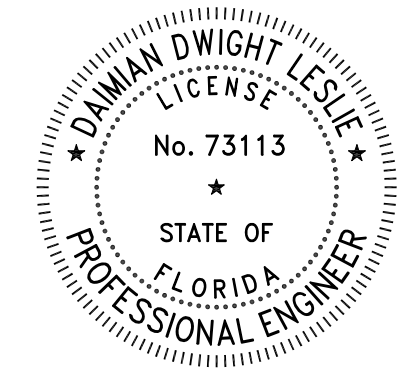
engineering • environmental • construction
1055 KATHLEEN ROAD, LAKELAND, FLORIDA 33801
Phone: (863) 646-9130

2151 W. HILLSBORO BOULEVARD, SUITE 401
DEERFIELD BEACH, FLORIDA 33442
Phone: (954) 427-3076
FL. CA. #4857

[illegible]

| NO. | DATE | REVISION DESCRIPTION |
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FL. REG # 73113

TANK AND PIPING PLANS & DETAILS

SITE DESIGNATIONS:

**CIRCLE K STORE
143 NW CENTURION
COURT
COLUMBIA COUNTY,
LAKE CITY CITY, FL**

| | |
|-----------------|--------------------|
| SCALE: AS NOTED | MDM JOB # 22017 |
|-----------------|--------------------|

| | |
|--------------|------------|
| DATE: | 3-18-20212 |
| DESIGNED BY: | |

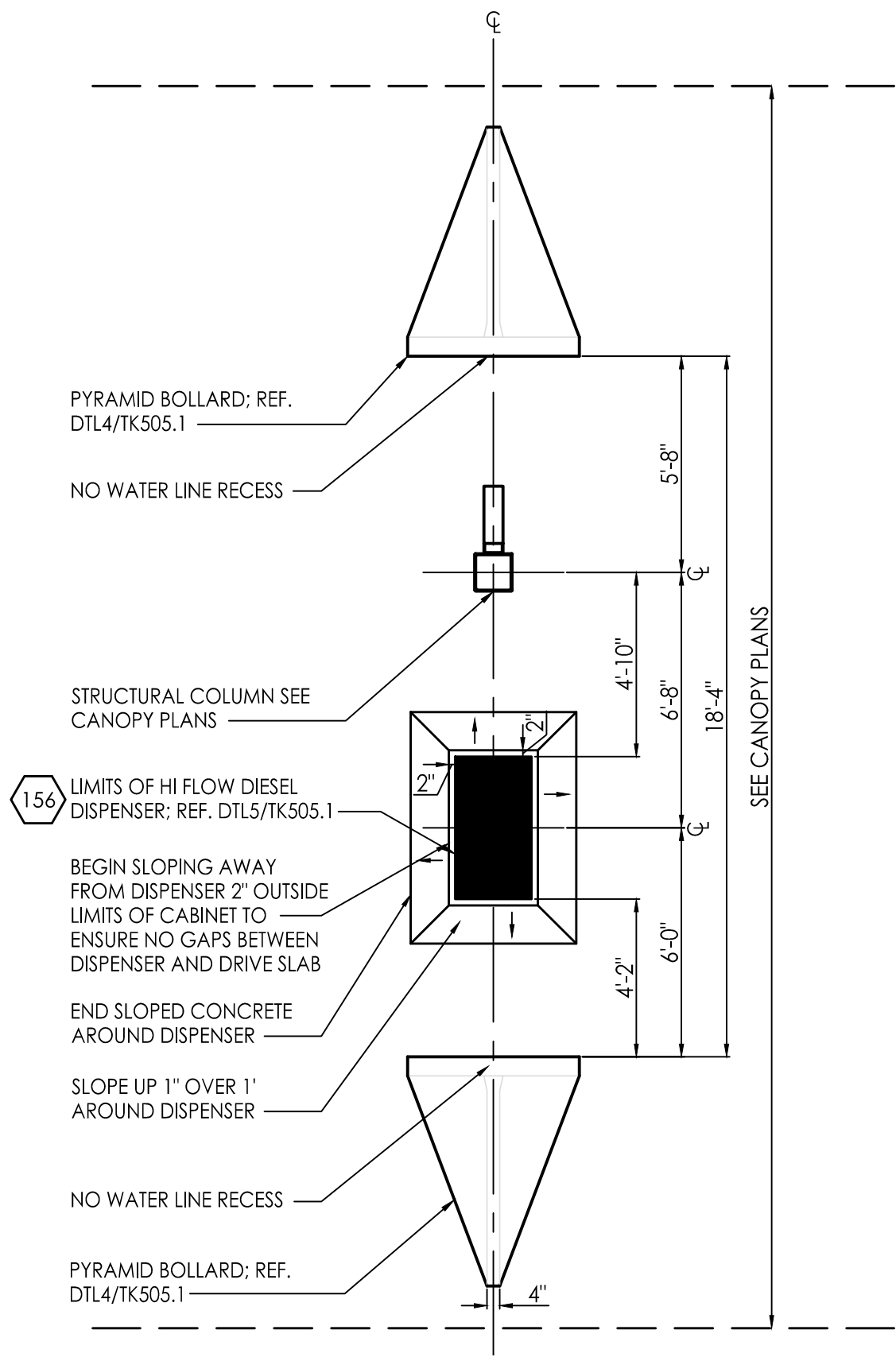
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| DRAWN BY: DDB/SLO CHECKED BY: | FILE NAME: TK504.DWG |
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DRAWING TITLE:

FUEL SYSTEM DETAILS

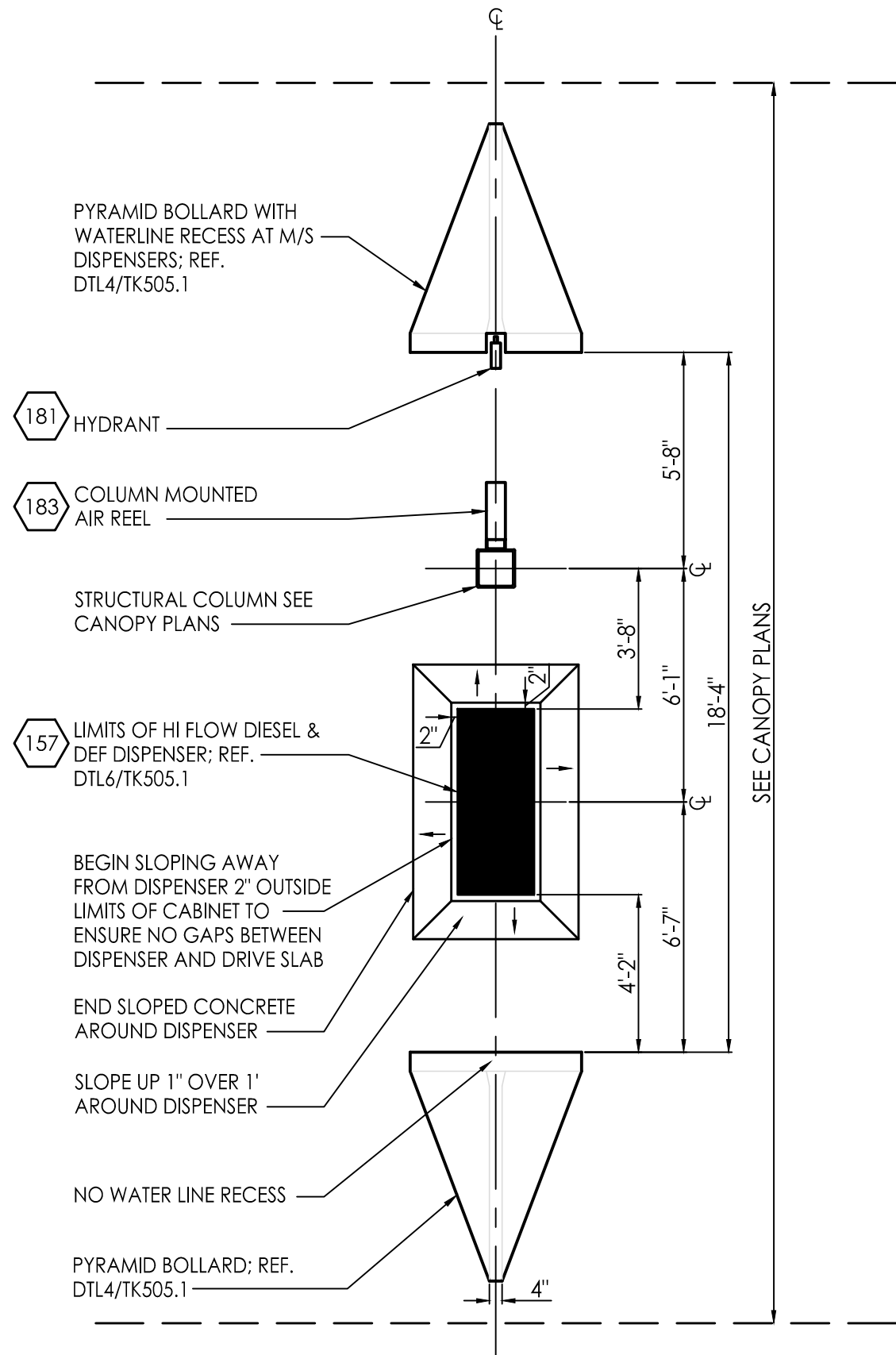
SHEET NO:

TK504



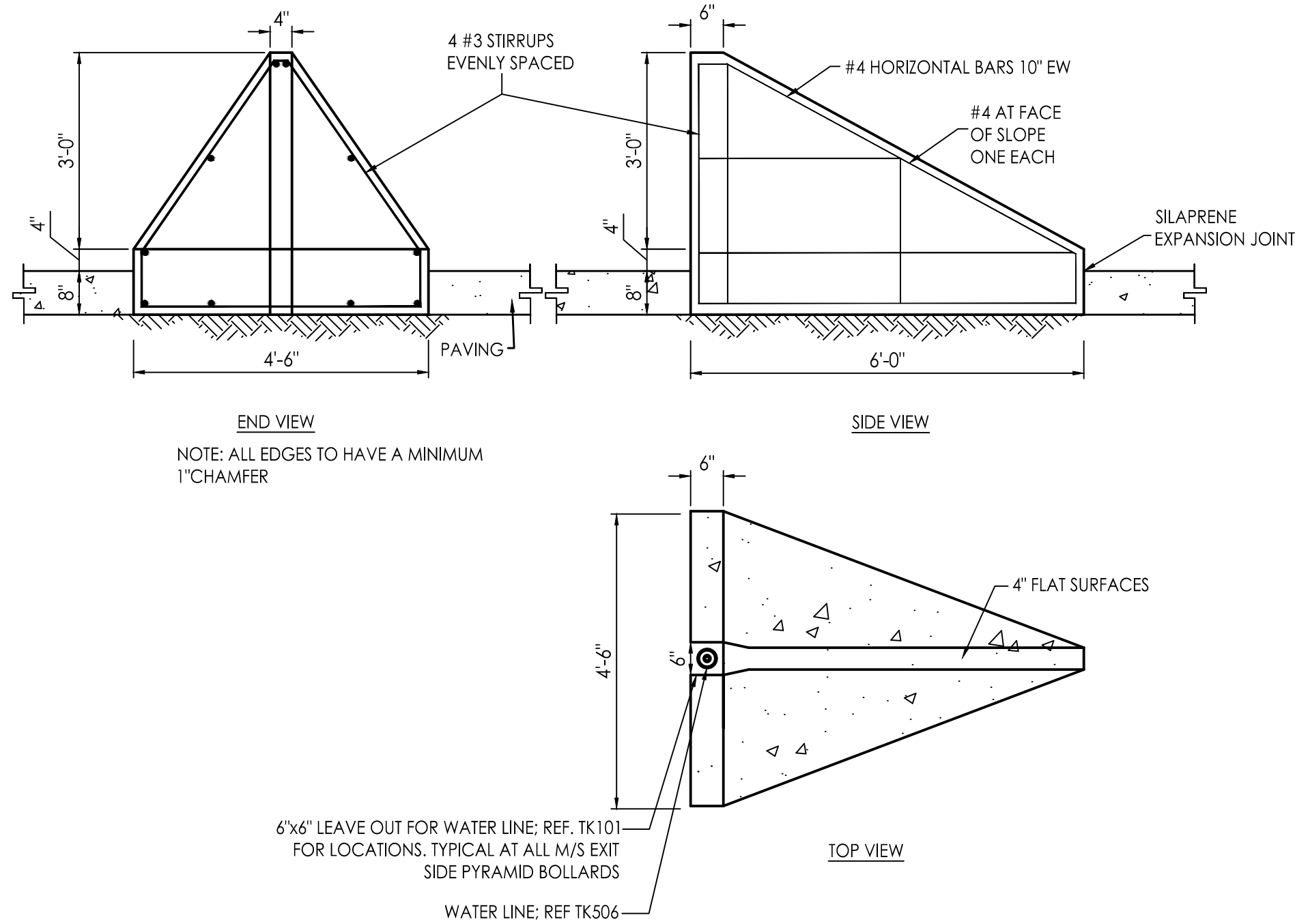
1 DISPENSER PLAN (HI FLOW ONLY)

SCALE: 1/4" = 1'-0"



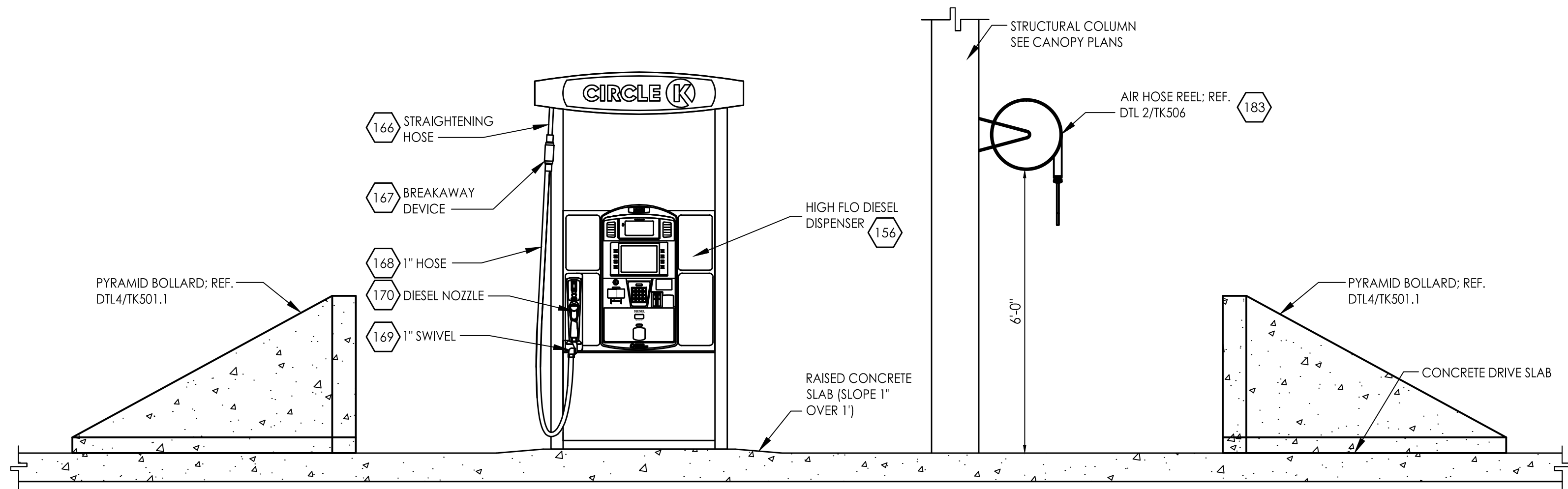
2 DISPENSER PLAN (HI FLOW & DEF)

SCALE: 1/4" = 1'-0"



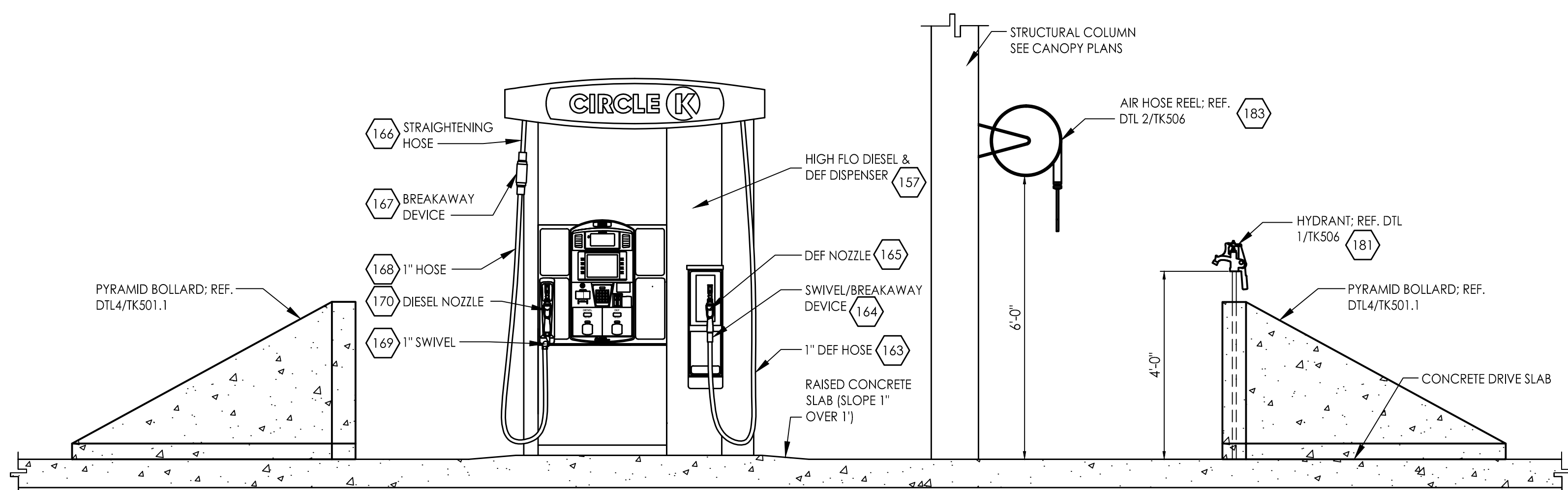
4 PYRAMID BOLLARD DETAIL

SCALE: 1/2" = 1'-0"



5 DISPENSER ELEVATION (HI FLOW ONLY)

SCALE: 1/2" = 1'-0"



6 DISPENSER ELEVATION (HI FLOW & DEF)

SCALE: 1/2" = 1'-0"



CIRCLE K STORES, INC.
**Gulf Coast
Business
Unit**

DESIGN TEAM TITLE:

MDM
SERVICES, INC.

engineering • environmental • construction

1055 KATHLEEN ROAD, LAKELAND, FLORIDA 33809

Phone: (863) 646-9130

2151 W. HILLSBORO BOULEVARD, SUITE 401

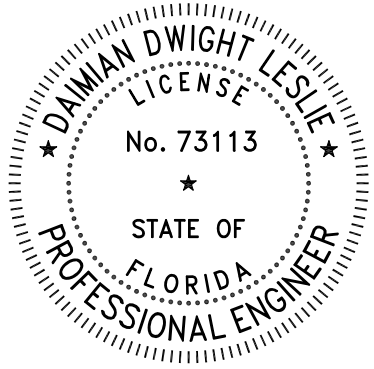
DEERFIELD BEACH, FLORIDA 33442

Phone: (561) 423-3076

FL, CA, #4857

NO. DATE REVISION DESCRIPTION

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DAIMIAN LESLIE, P.E.
FL REG # 73113

**TANK AND PIPING
PLANS & DETAILS**

SITE DESIGNATIONS:

**CIRCLE K STORE
143 NW CENTURION
COURT
COLUMBIA COUNTY,
LAKE CITY CITY, FL**

SCALE: AS NOTED MDM JOB # 22017

DATE: 3-18-20212

DESIGNED BY:

DRAWN BY: DDB/SLO FILE NAME: TK500.DWG

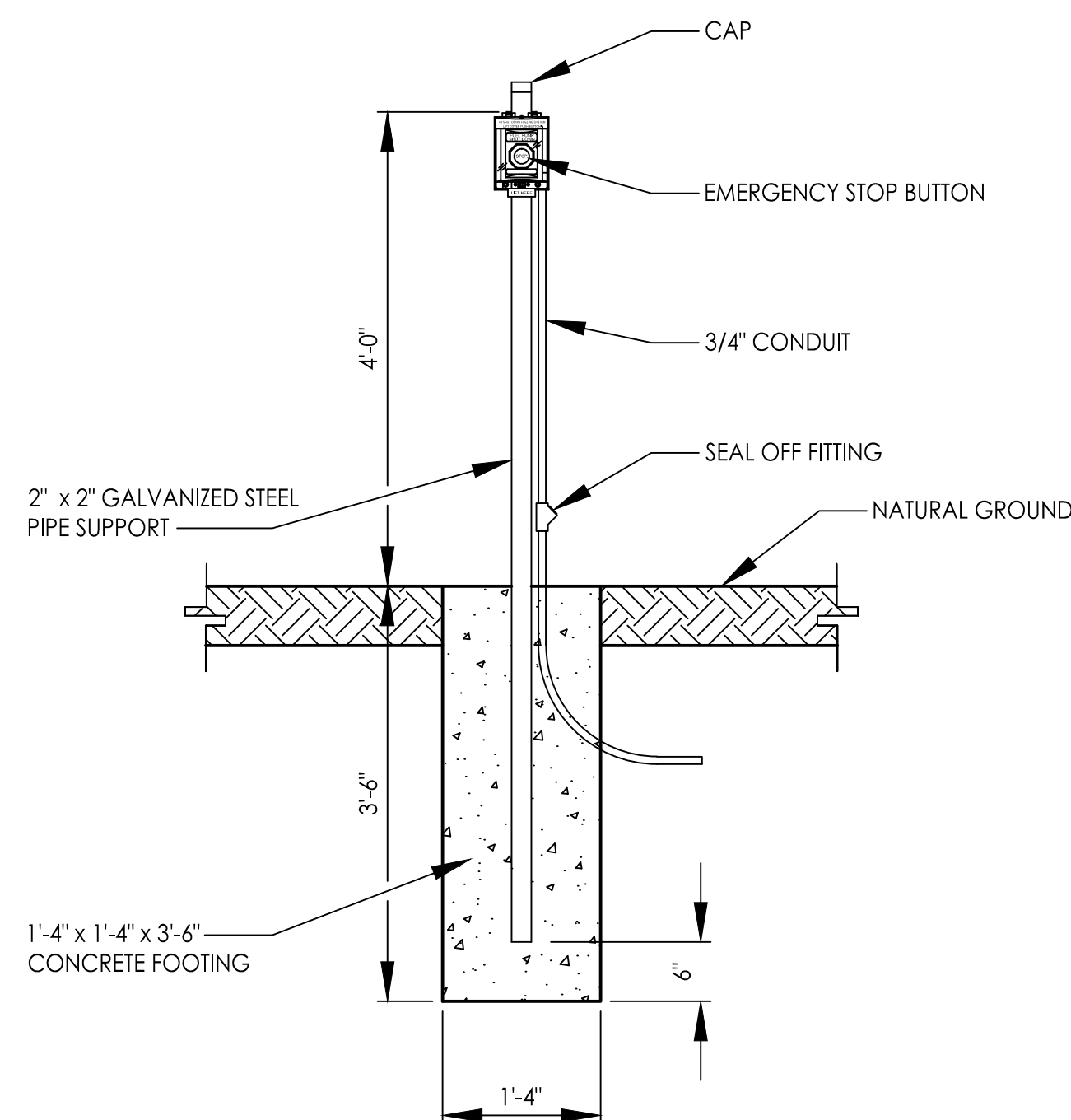
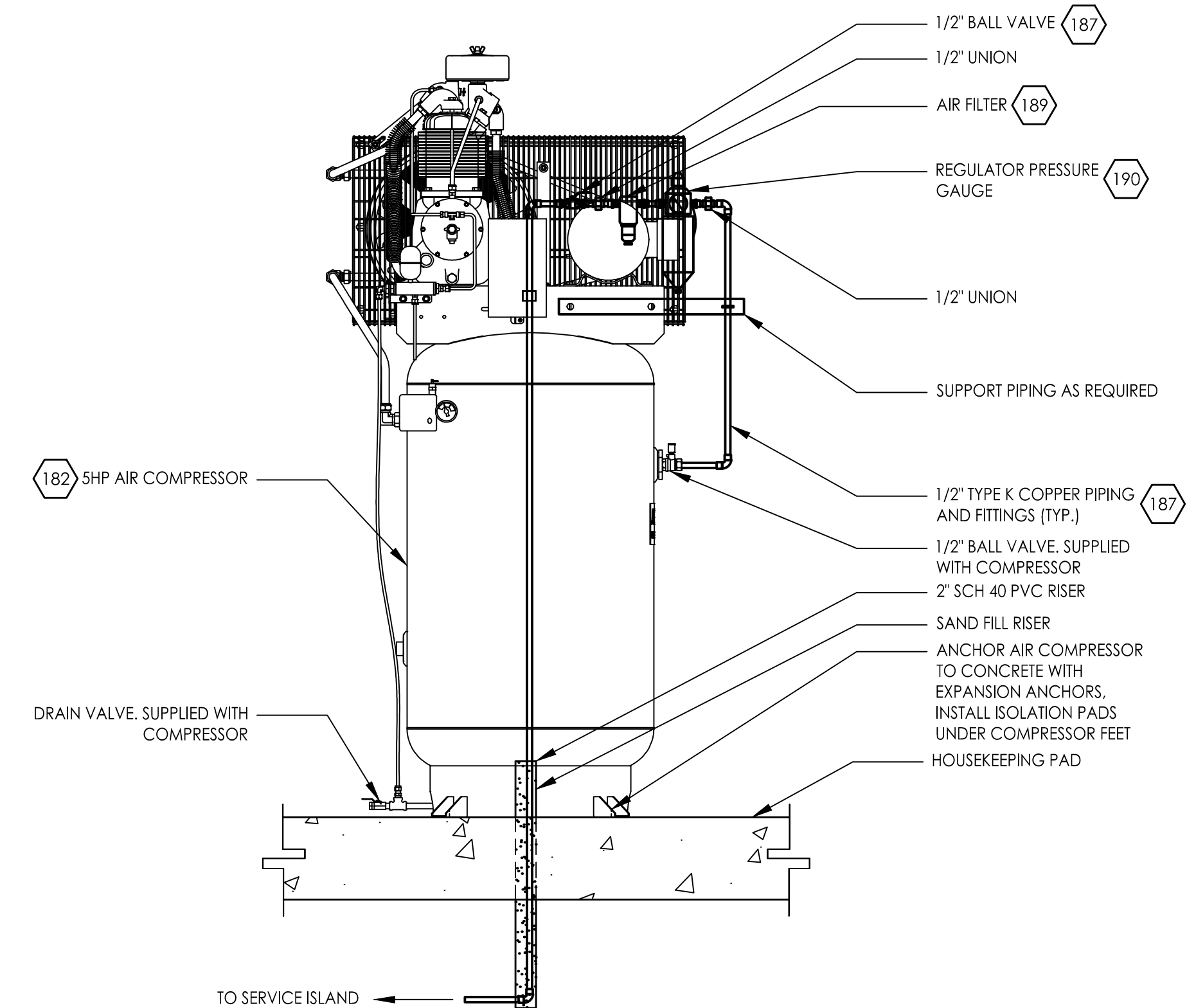
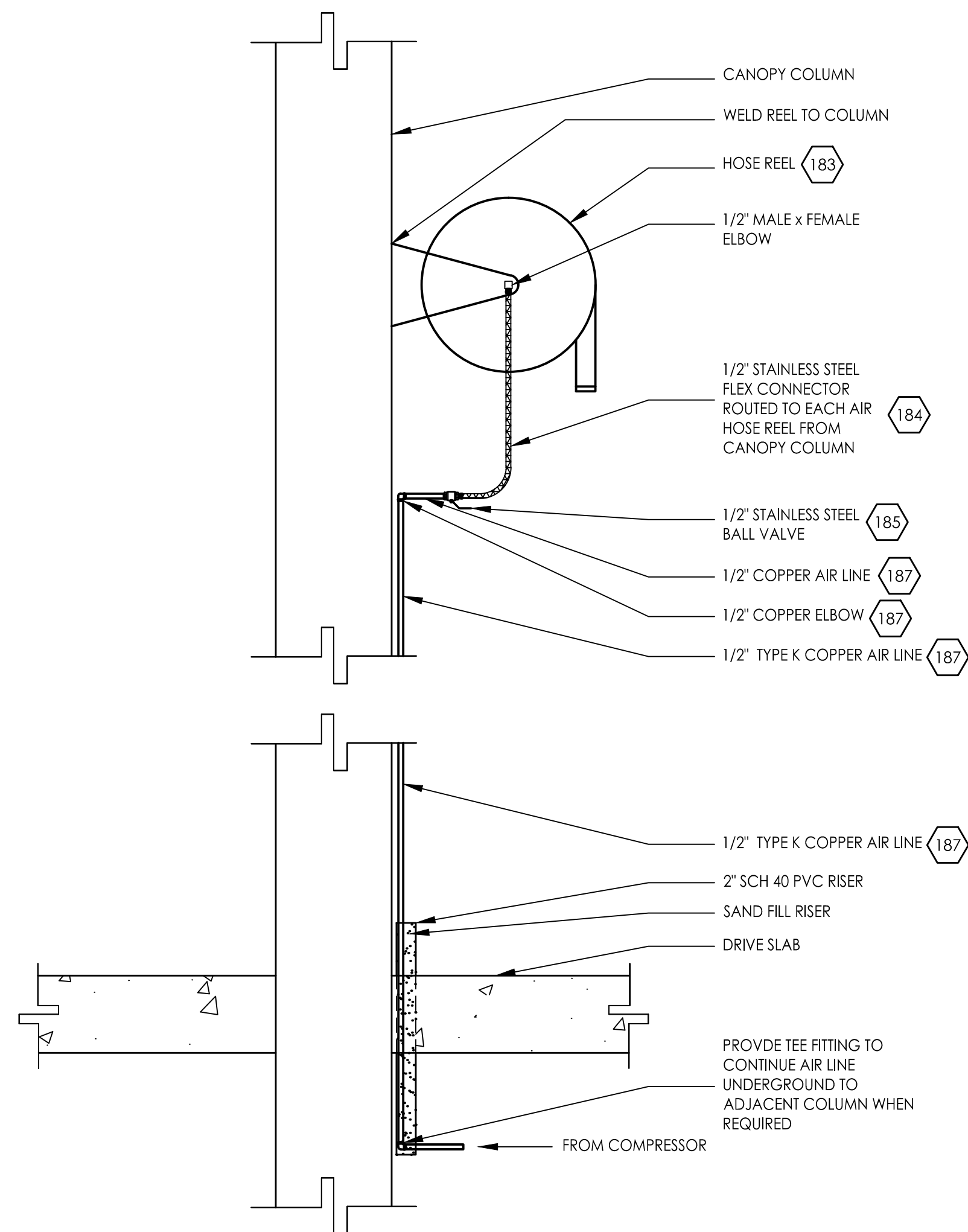
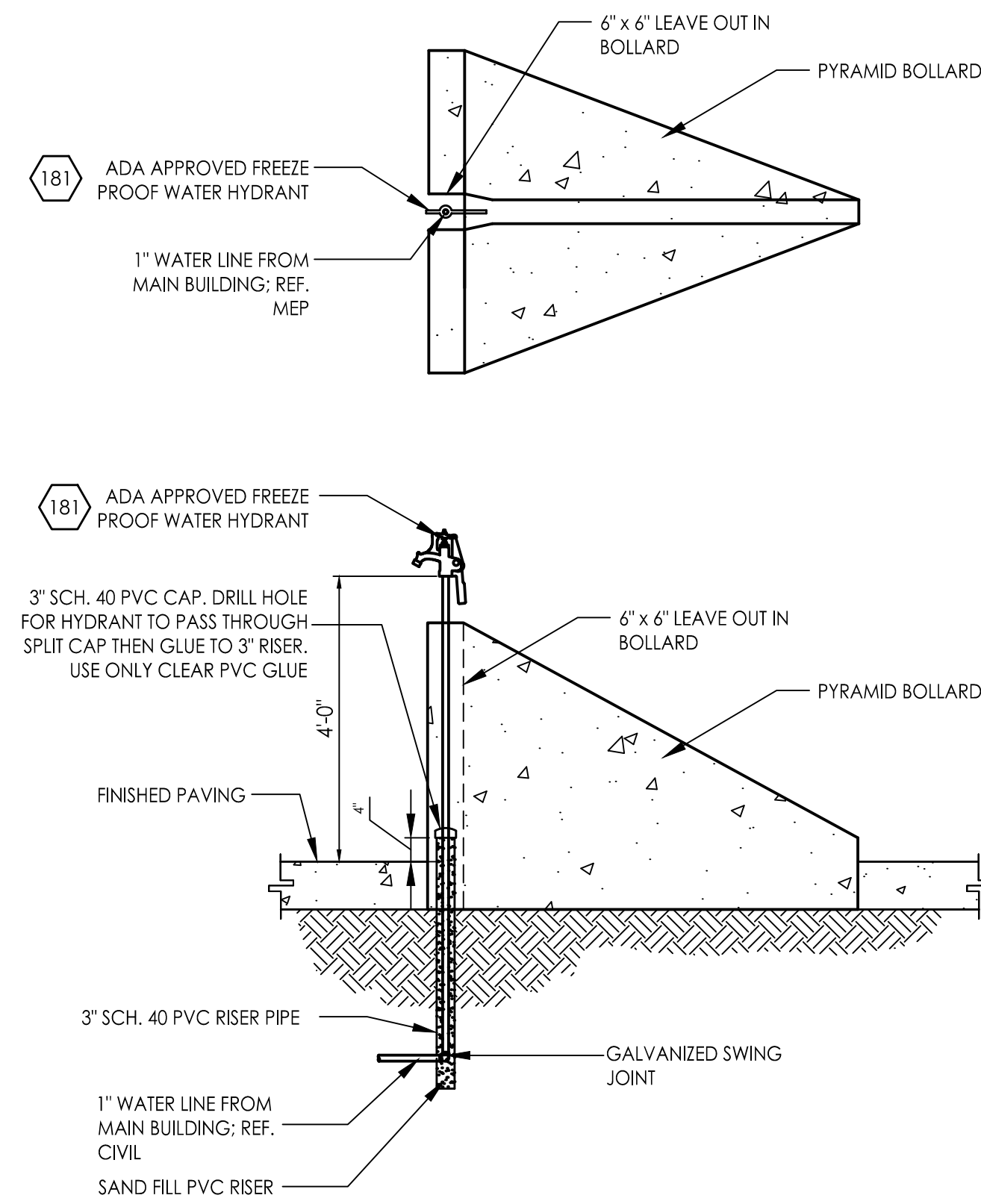
CHECKED BY:

DRAWING TITLE:

**DISPENSER DETAIL
(HI FLOW DIESEL)**

SHEET NO:

TK505



CIRCLE K STORES, INC.

Gulf Coast Business Unit

SIGN TEAM TITLE:

MDM
SERVICES, INC.

engineering • environmental • construction

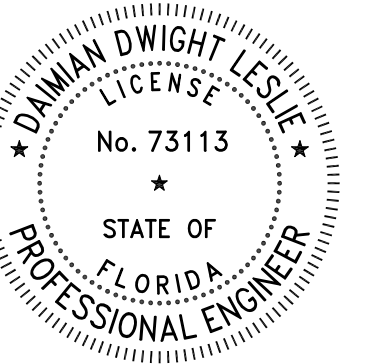
55 KATHLEEN ROAD, LAKELAND, FLORIDA 33801

2151 W. HILLSBORO BOULEVARD, SUITE 401
DEERFIELD BEACH, FLORIDA 33442
Phone: (954) 427-3076
FL. CA. #4857

[illegible]

| O. | DATE | REVISION DESCRIPTION |
|----|------|----------------------|
|----|------|----------------------|

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DAIMIAN LESLIE, P.E.
FL. REG # 73113

TANK AND PIPING PLANS & DETAILS

SITE DESIGNATIONS:

**CIRCLE K STORE
143 NW CENTURION
COURT
COLUMBIA COUNTY,
LAKE CITY CITY, FL**

| | |
|----------------|--------------------|
| SALE: AS NOTED | MDM JOB # 22017 |
|----------------|--------------------|

DATE: 3-18-20212

| | |
|------------|--|
| SIGNED BY: | |
|------------|--|

| | | |
|---------|---------|------------|
| AWN BY: | DDB/SLO | FILE NAME: |
|---------|---------|------------|

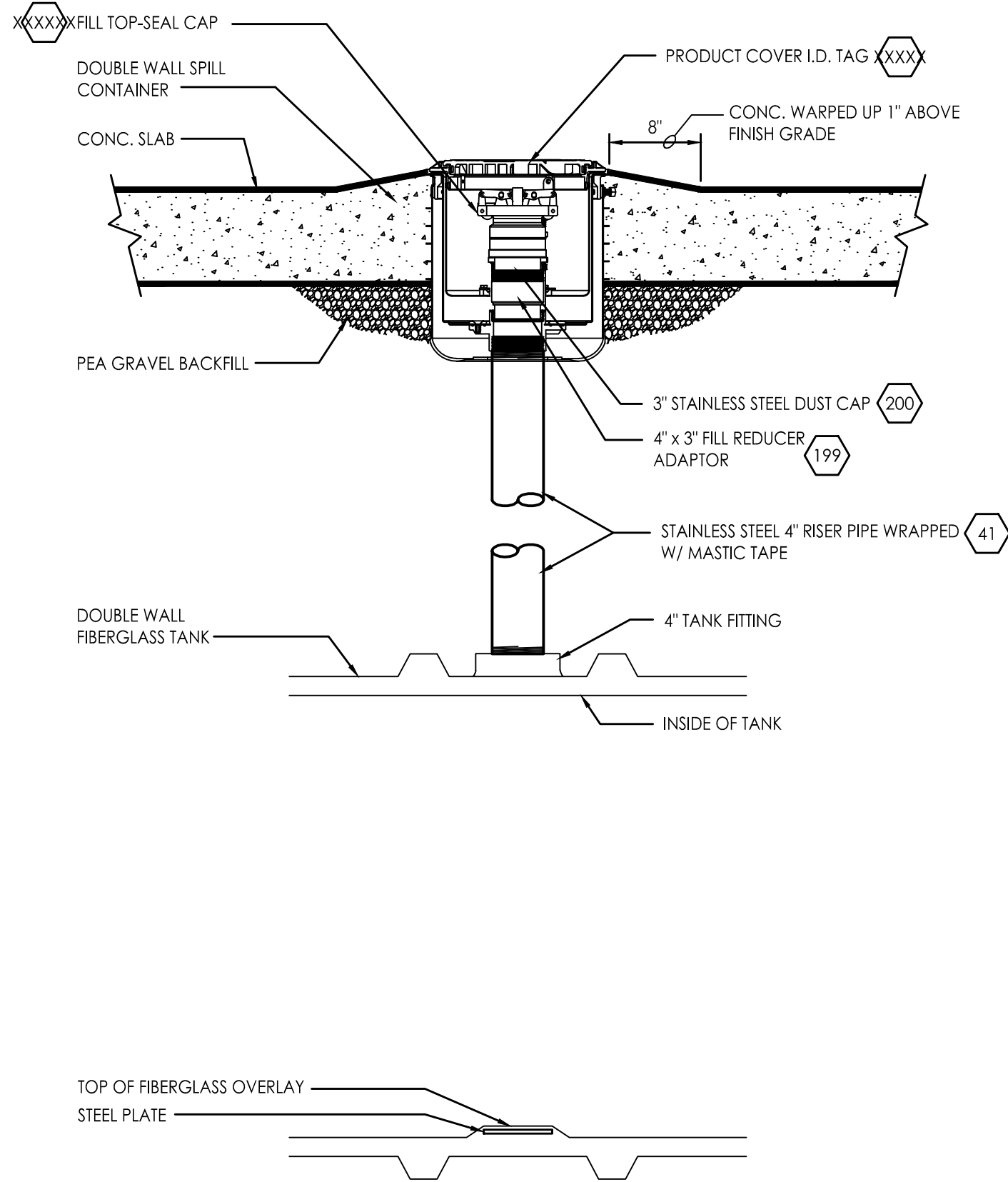
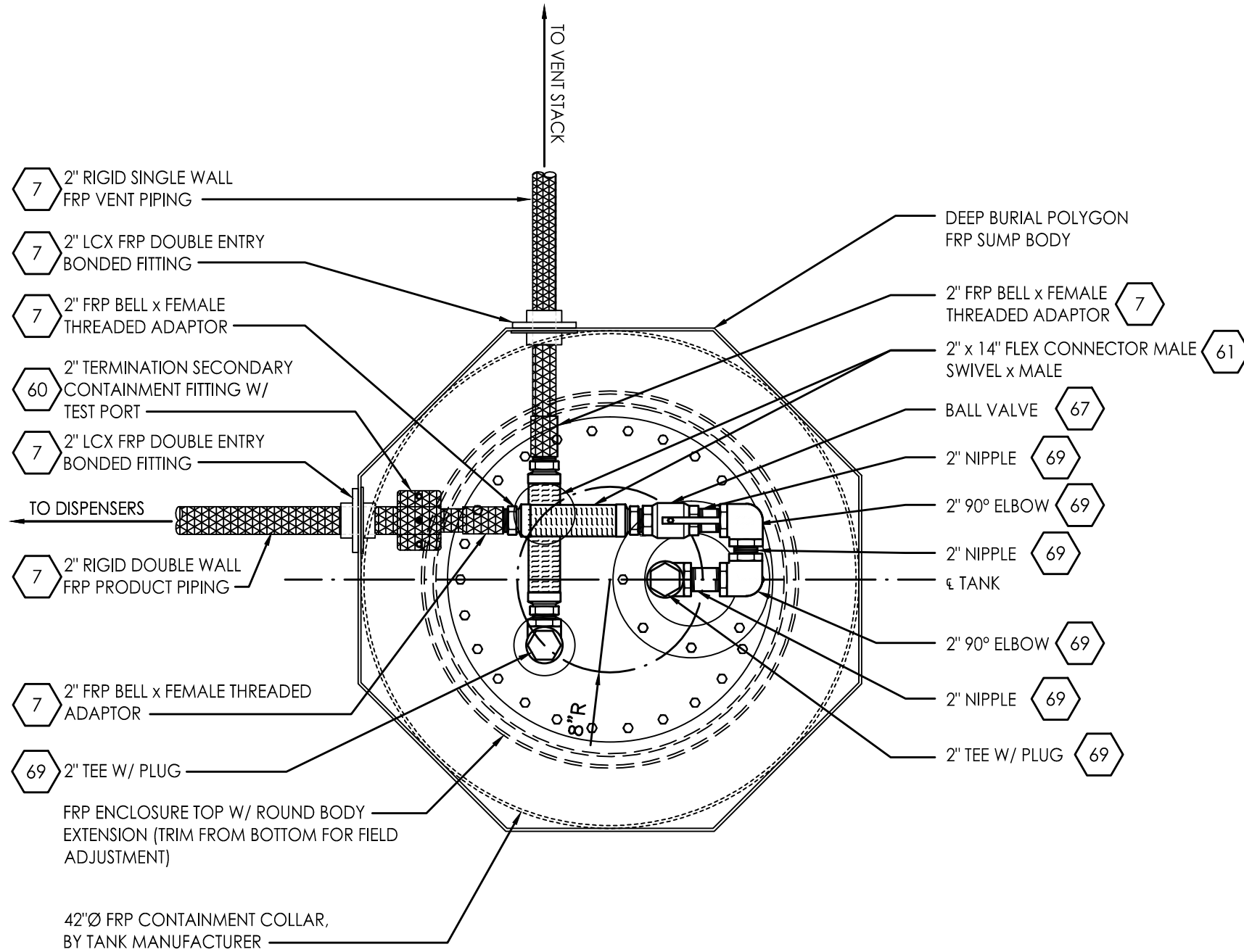
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| CHECKED BY: | TK506.DWG |
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AWING TITLE:

HSD DETAILS

SHEET NO:

TK506

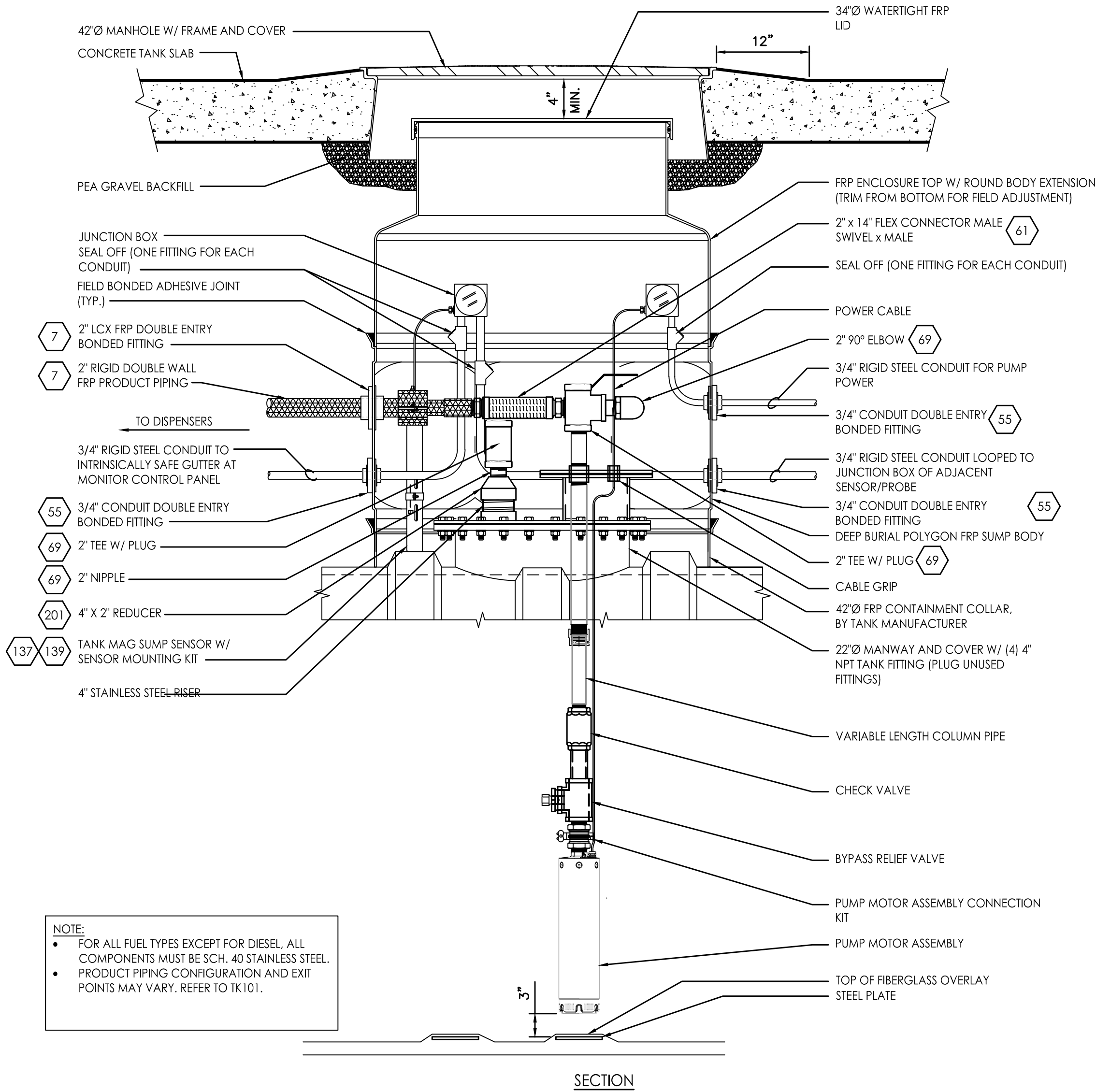


1 DEF TANK SUMP DETAIL - PLAN

SCALE: NONE

3 DEF FILL DETAIL - DIRECT BURY

SCALE: NONE



2 DEF TANK SUMP DETAIL - PROFILE

SCALE: NONE



CIRCLE K STORES, INC.
**Gulf Coast
Business
Unit**

DESIGN TEAM TITLE:

MDM
SERVICES, INC.

engineering • environmental • construction

1055 KATHLEEN ROAD, LAKELAND, FLORIDA 33809

Phone: (863) 646-9130

2151 W. HILLSBORO BOULEVARD, SUITE 401

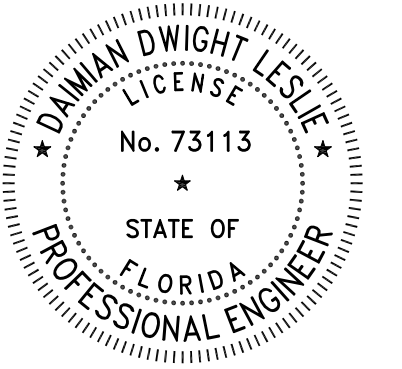
DEERFIELD BEACH, FLORIDA 33442

Phone: (561) 427-3076

FL, CA, #4857

NO. DATE REVISION DESCRIPTION

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DAIMIAN LESLIE, P.E.
FL REG # 73113

**TANK AND PIPING
PLANS & DETAILS**

SITE DESIGNATIONS:

**CIRCLE K STORE
143 NW CENTURION
COURT
COLUMBIA COUNTY,
LAKE CITY CITY, FL**

SCALE: AS NOTED MDM JOB # 22017

DATE: 3-18-20212

DESIGNED BY:

DRAWN BY: DDB/SLO FILE NAME: TK507.DWG

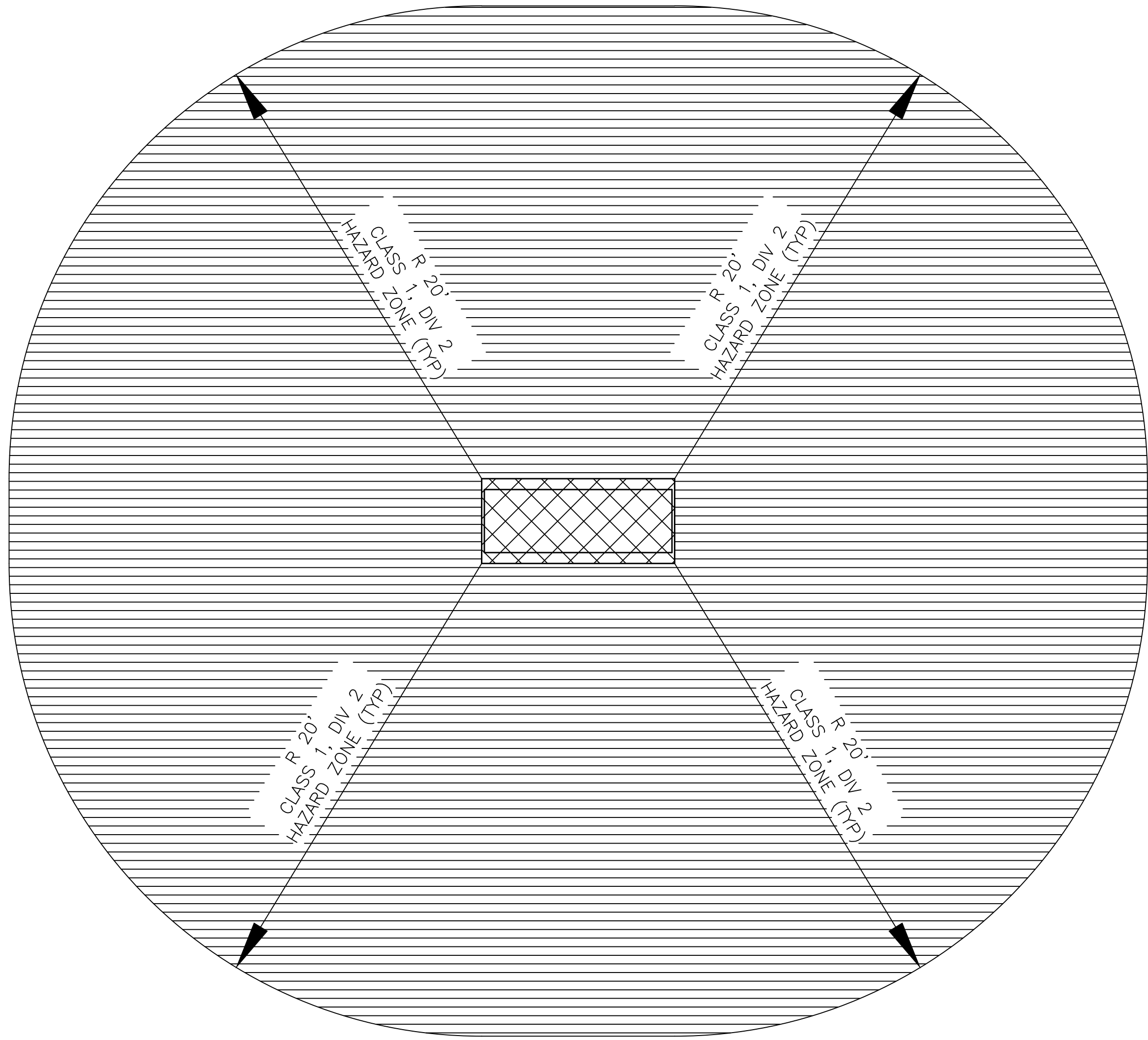
CHECKED BY:

DRAWING TITLE:

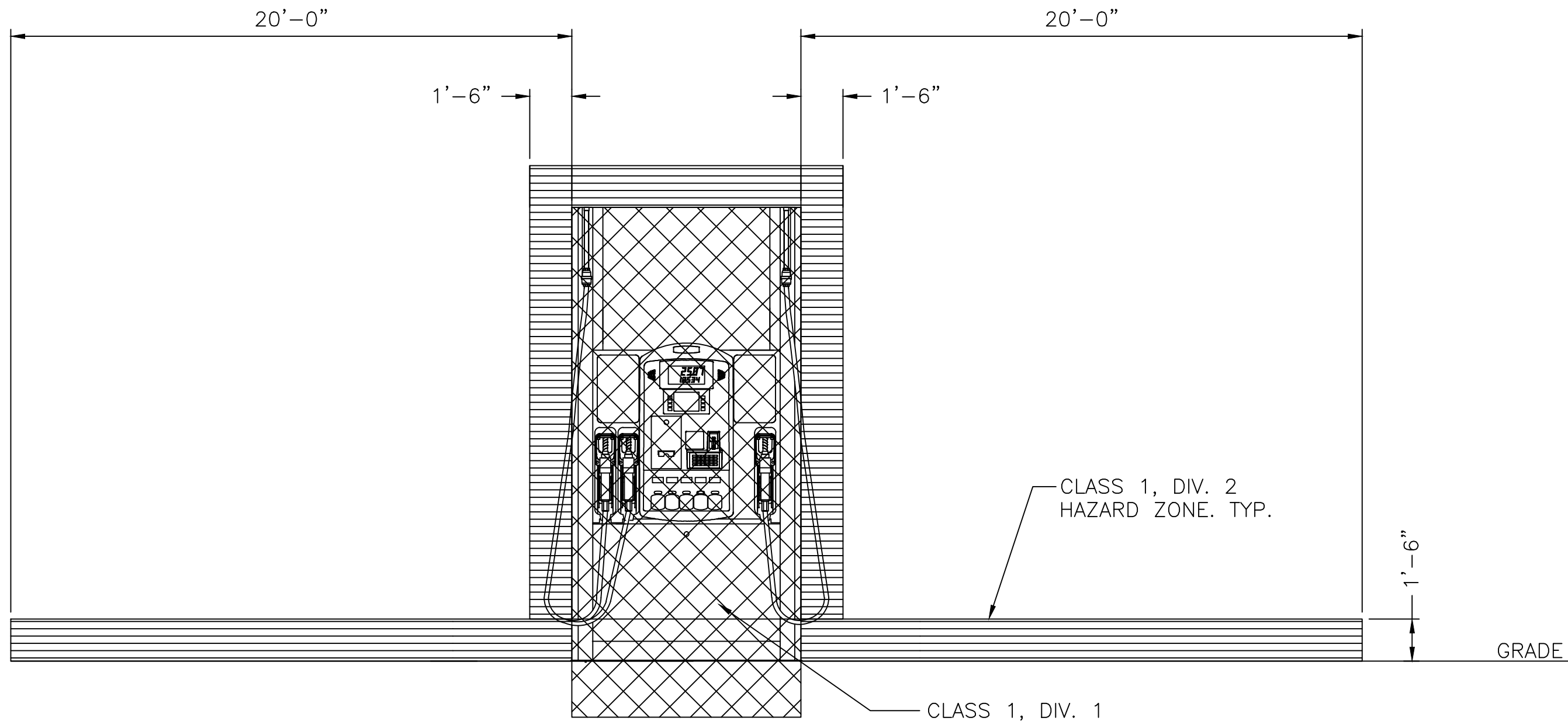
**TANK TOP
HARDWARE
DETAILS**

SHEET NO:

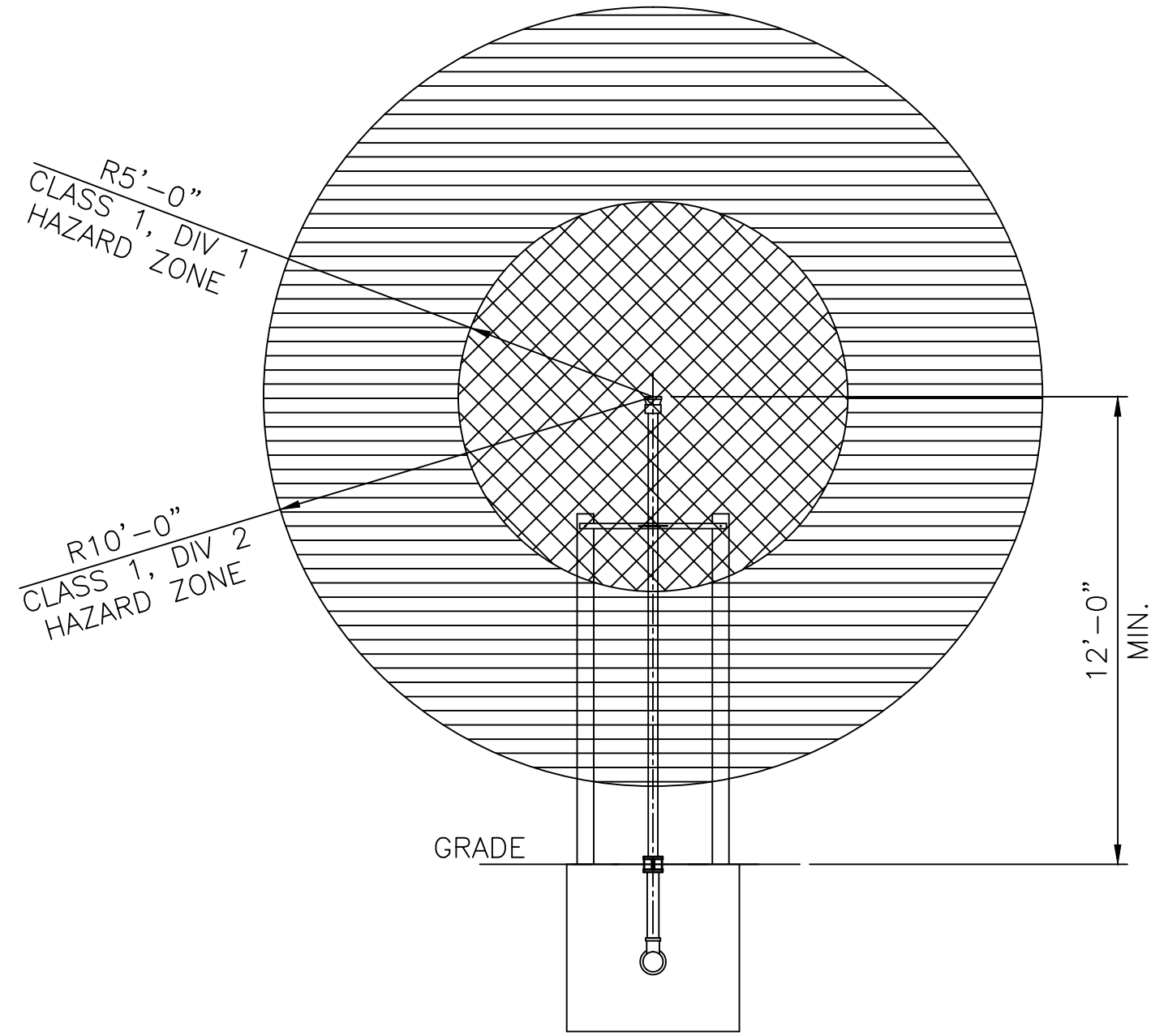
TK507



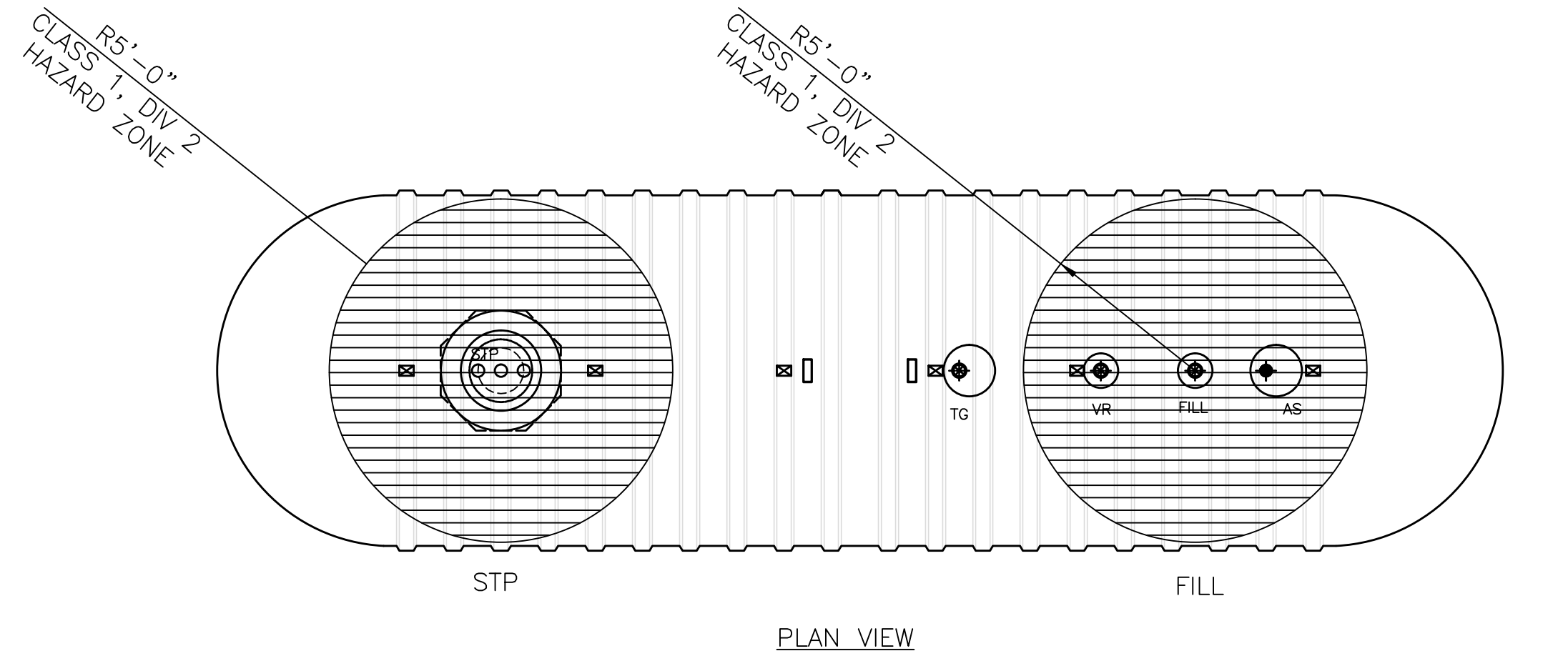
1 FUEL ISLAND AREA CLASSIFICATION
N.T.S.



2 FUEL ISLAND AREA CLASSIFICATION ELEVATION
N.T.S.

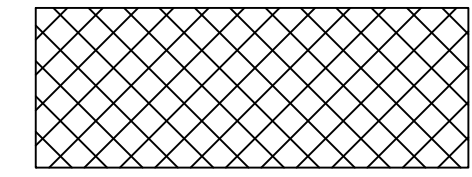


3 VENT RISER CLASSIFICATION ELEVATION
N.T.S.

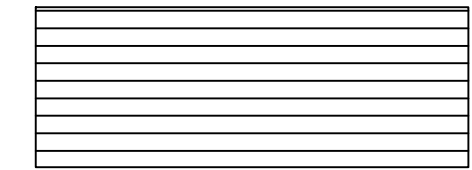


4 UST AREA CLASSIFICATION
N.T.S.

LEGEND



CLASS 1, DIV. 1
HAZARD ZONE. TYP.



CLASS 1, DIV. 2
HAZARD ZONE. TYP.

CLASSIFIED AREAS ADJACENT TO
DISPENSERS IN TABLE 6.3.1, NFPA 30A, 2018

NOTE:

ALL RACEWAYS IN CLASS 1, DIVISION 1 OR 2
LOCATIONS SHALL BE THREADED RIGID
METAL CONDUIT AND SHALL BE EXTENDED
TO THE FIRST POINT OF CONNECTION
AFTER LEAVING THE BOUNDARIES OF THE
DEFINED CLASS 1 LOCATION. CONDUIT
SEALS SHALL BE PROVIDED IN
ACCORDANCE WITH NEC501.5 GREEN
INSULATED COPPER EQUIPMENT
GROUNDING CONDUCTOR SHALL BE
INSTALLED WITH PHASE AND GROUNDED
CONDUCTOR. CONDUIT SHALL NOT BE USED
AS SOLE MEANS OF EQUIPMENT
GROUNDING FOR OTHER CONDUIT RUNS IN
NON-CLASSIFIED LOCATION ANY NEC
APPROVED METHOD CAN BE UTILIZED.



CIRCLE K STORES, INC.

**Gulf Coast
Business
Unit**

DESIGN TEAM TITLE:

**MDM
SERVICES, INC.**

engineering • environmental • construction

1055 KATHLEEN ROAD, LAKELAND, FLORIDA 33805

Phone: (863) 646-9130

2151 W. HILLSBORO BOULEVARD, SUITE 401

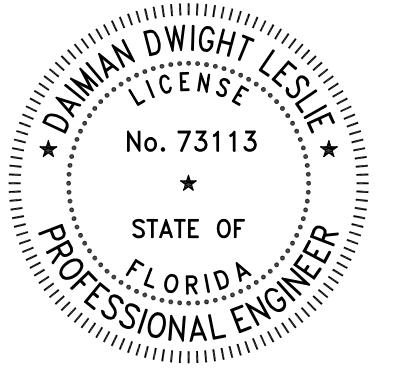
DEERFIELD BEACH, FLORIDA 33442

Phone: (854) 427-3076

FL, CA, #4857

| NO. | DATE | REVISION | DESCRIPTION |
|-----|------|----------|-------------|
|-----|------|----------|-------------|

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shown. Printed copies of this document
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and the signature must be verified on any
electronic copies.



DAIMIAN LESLIE, P.E.
FL. REG # 73113

TANK AND PIPING PLANS & DETAILS

SITE DESIGNATIONS:

**CIRCLE K STORE
143 NW CENTURION
COURT
COLUMBIA COUNTY,
LAKE CITY CITY, FL**

SCALE: AS NOTED MDM JOB # 22017

DATE: 3-18-20212

DESIGNED BY:

DRAWN BY: DDB/SLO FILE NAME:

CHECKED BY: TK508.DWG

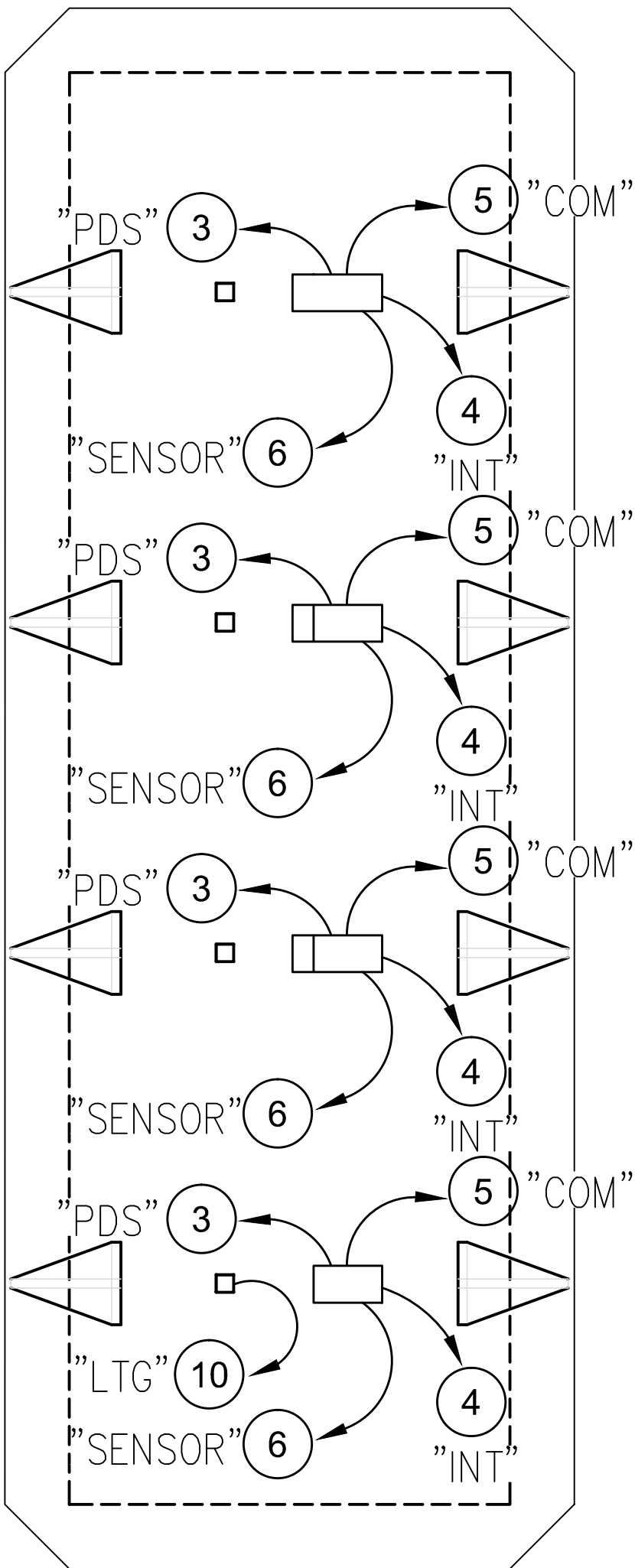
DRAWING TITLE:

HAZARD ZONES

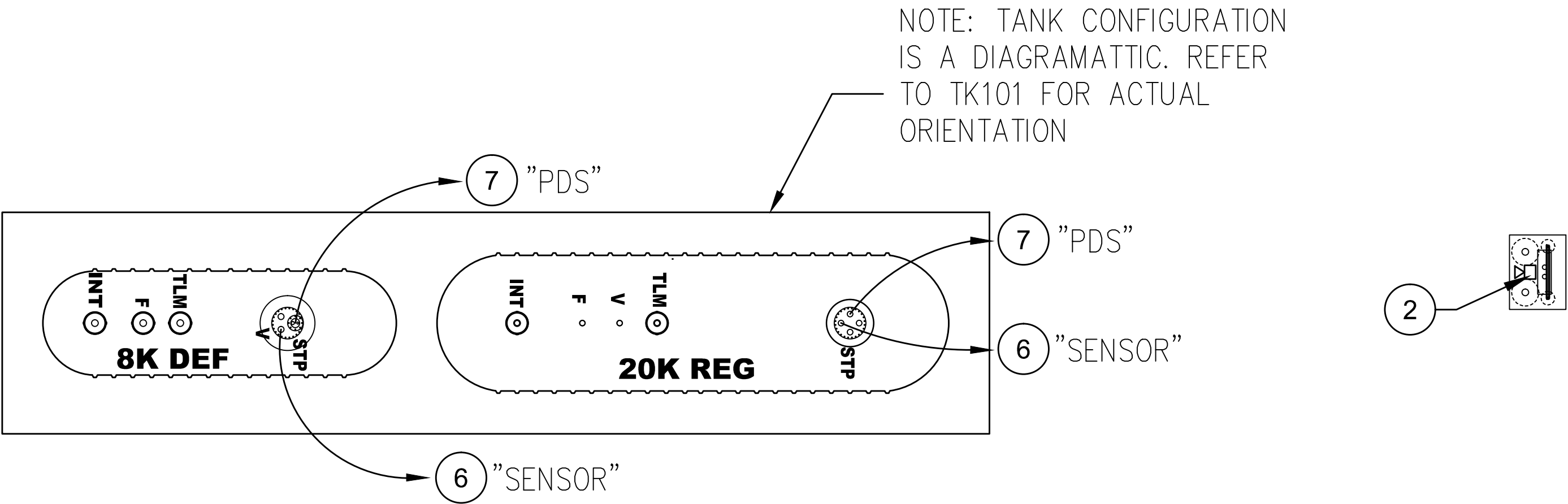
SHEET NO:

TK508

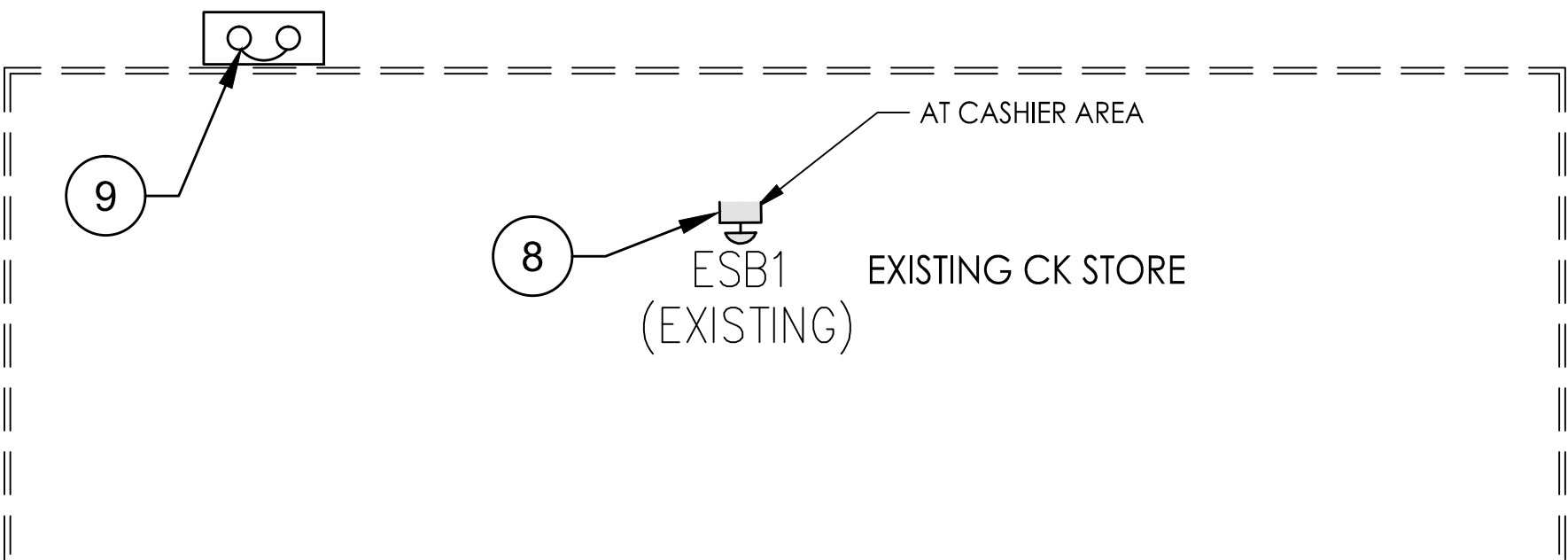
ESB3



| KEYED NOTES | |
|-------------|---|
| 1 | FUEL DISPENSER |
| 2 | OVERFILL ALARM AND ACKNOWLEDGEMENT SWITCH ON VENT RISER. REFER TO 4/GE1.0 |
| 3 | DISPENSER POWER SUPPLY. REFER TO 1/GE1.0, TYPICAL |
| 4 | INTERCOM WIRING TO INTERCOM DIGITAL INTERFACE BOX. REFER TO 5/GE1.0 |
| 5 | COMMUNICATION WIRING. REFER TO 1/GE1.0, TYPICAL |
| 6 | MONITORING/DETECTION WIRING TO VEEDER ROOT CONSOLE. REFER TO 9/GE1.0, TYPICAL |
| 7 | STP SUPPLY. REFER TO 1/GE1.0 |
| 8 | EMERGENCY STOP BUTTON |
| 9 | EMERGENCY TELEPHONE. REFER TO 3/GE1.0 |
| 10 | CANOPY LIGHTING POWER SUPPLY. REFER TO 1/GE1.0 |



ESB2



CIRCLE K STORES, INC.
Gulf Coast
Business
Unit

DESIGN TEAM TITLE:

MDM
SERVICES, INC.

engineering • environmental • construction

1055 KATHLEEN ROAD, LAKELAND, FLORIDA 33809

Phone: (863) 646-9150

2151 W. HILLSBORO BOULEVARD, SUITE 401

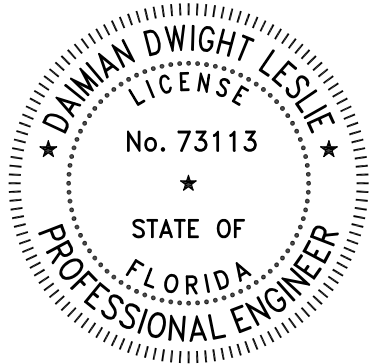
DEERFIELD BEACH, FLORIDA 33442

Phone: (561) 427-3076

FL, CA #4857

NO. DATE REVISION DESCRIPTION

This item has been digitally signed and sealed by Daimian Leslie, PE, on date shown. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



DAIMIAN LESLIE, P.E.
FL REG # 73113

TANK AND PIPING
PLANS & DETAILS

SITE DESIGNATIONS:

CIRCLE K STORE
143 NW CENTURION
COURT
COLUMBIA COUNTY,
LAKE CITY CITY, FL

SCALE: AS NOTED MDM JOB # 22017

DATE: 3-18-20212

DESIGNED BY:

DRAWN BY: DDB/SLO FILE NAME: SE1.0.DWG

CHECKED BY:

DRAWING TITLE:

FUEL ISLAND
ELECTRICAL
PLAN

SHEET NO:

SE1.0

