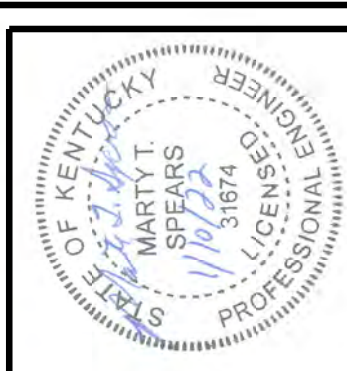
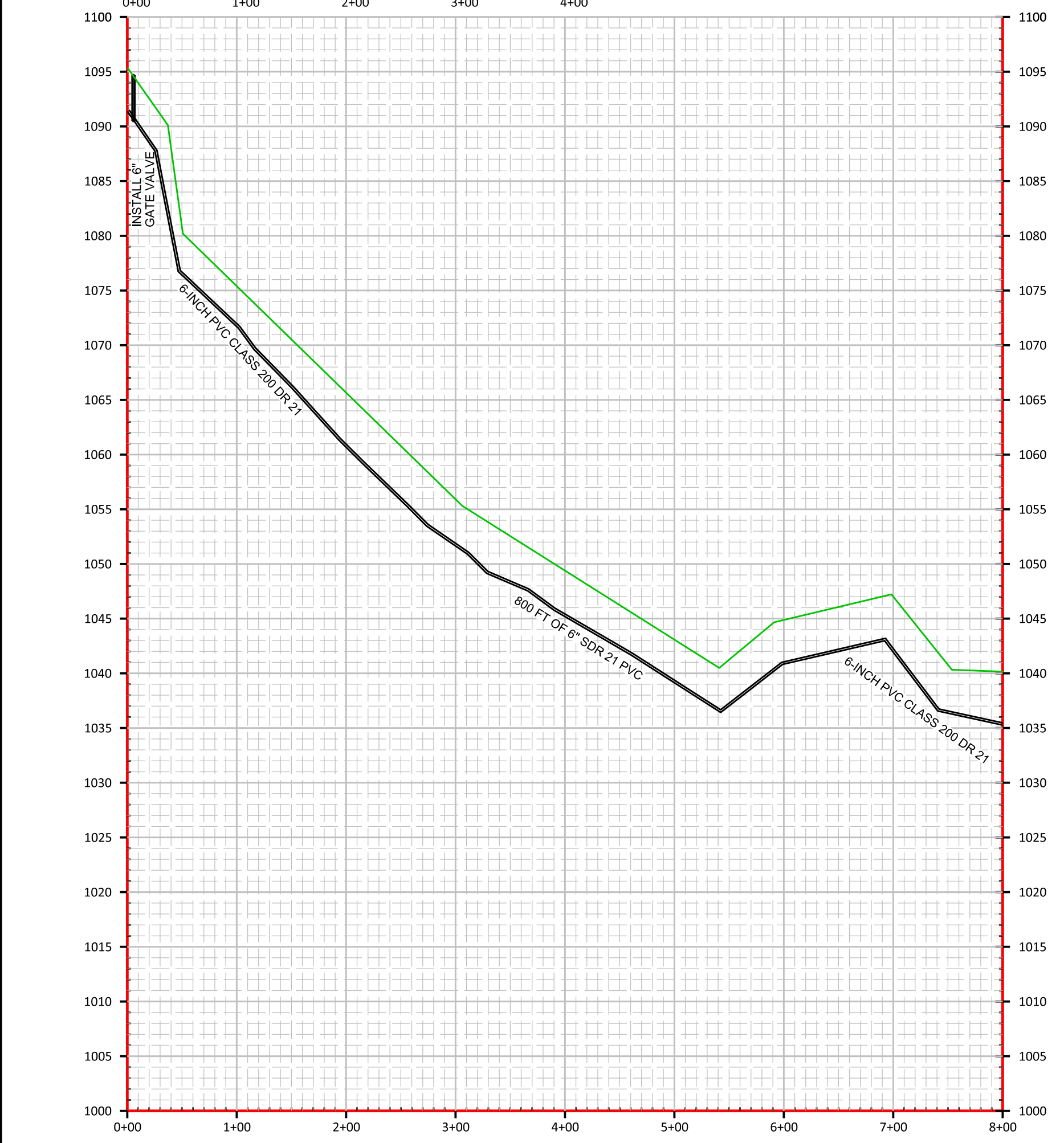




- STA 0+05 - INSTALL 6-INCH GATE VALVE
- STA 0+60 - CUT AND CAP EXISTING 6-INCH WATER MAIN
- STA 0+65 - REPAIR 20 FT WOVEN WIRE FENCE
- STA 4+20 - REPAIR EXISTING ASPHALT ROAD (60 SQ FT)
- STA 5+05 - RECONNECT METER PRESSURE REDUCER (SEE DETAIL)
- STA 5+20 - REPAIR EXISTING ASPHALT ROAD (160 SQ FT)
- STA 6+05 - RECONNECT METER PRESSURE REDUCER (SEE DETAIL)
- STA 7+20 - REPAIR EXISTING GRAVEL ROAD (6T)
- STA 7+55 - RECONNECT METER PRESSURE REDUCER (SEE DETAIL)
- STA 7+60 - RECONNECT METER PRESSURE REDUCER (SEE DETAIL)
- STA 8+50 - RECONNECT METER PRESSURE REDUCER (SEE DETAIL)
- STA 8+55 - RECONNECT METER PRESSURE REDUCER (SEE DETAIL)
- STA 10+05 - RECONNECT METER PRESSURE REDUCER (SEE DETAIL)
- STA 10+25 - RECONNECT METER PRESSURE REDUCER (SEE DETAIL)
- STA 10+55 - RECONNECT METER PRESSURE REDUCER (SEE DETAIL)
- STA 11+05 - RECONNECT METER PRESSURE REDUCER (SEE DETAIL)
- STA 13+19.17 - WET TAP EXISTING 6" MAIN

SCALE:
H: 1" = 100'
V: 1" = 10'



DATE: 07/29/20
SCALE: 1" = 100'
DRAWN BY: M.S.
APPROVED BY: GOOCH
FILENAME: 18298PH2

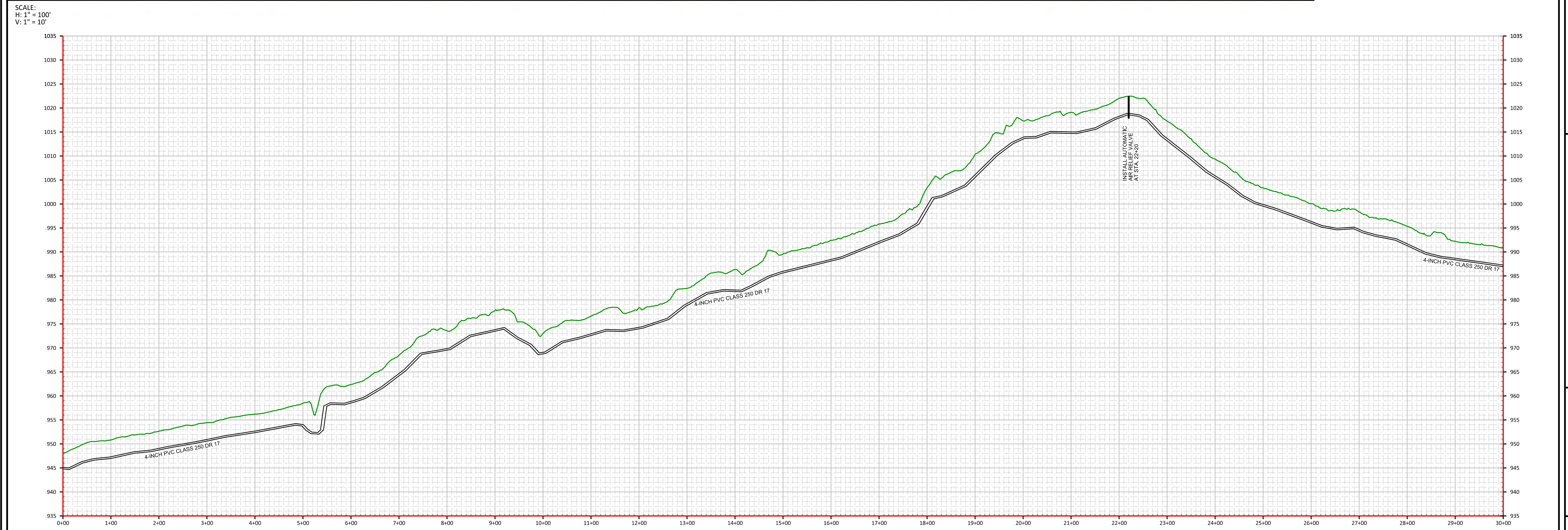
CONTRACT 2 - PHASE 1B WATER PROJECT
WATER TOWER ROAD TO HWY 198
6" WATER MAIN
STANFORD, LINCOLN COUNTY, KENTUCKY

CLIENT:
MCKINNEY WATER DISTRICT
2900 MIDDLEBURG RD
MCKINNEY, KY 40448

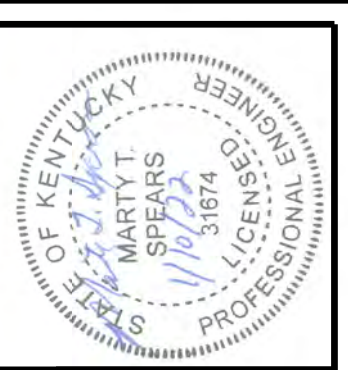
P.O. BOX 204
165 FOSTER LANE
STANFORD, KY 40484
PHONE (606) 365-8362
FAX (606) 365-1097



REVISION(S)



SCALE:
H: 1" = 100'
V: 1" = 10'



DATE: 07/29/20
SCALE: 1" = 100'
DRAWN BY: M.S.
APPROVED BY: GOOCH
FILENAME: 18298PH2

CONTRACT 2 - PHASE 1B WATER PROJECT
MT SALEM ROAD IMPROVEMENT
4" WATER MAIN
STANFORD, LINCOLN COUNTY, KENTUCKY

CLIENT:
MCKINNEY WATER DISTRICT
2900 MIDDLEBURG RD
MCKINNEY, KY 40448

P.O. BOX 204
165 FOSTER LANE
STANFORD, KY 40464
PHONE (606) 365-8362
FAX (606) 365-1097



REVISION(S)



INSTALL PRESSURE REDUCER IN
38 EXISTING METER BOXES.
TO INCLUDE NEW METER SETTER
NEW BOX AND LID.
RECONNECT ALL LINES AS DIRECTED.



DATE: 10/26/24
SCALE: 1" = 500'
DRAWN BY: M.S.
APPROVED BY: GOOCH
FILENAME: 18298PH2

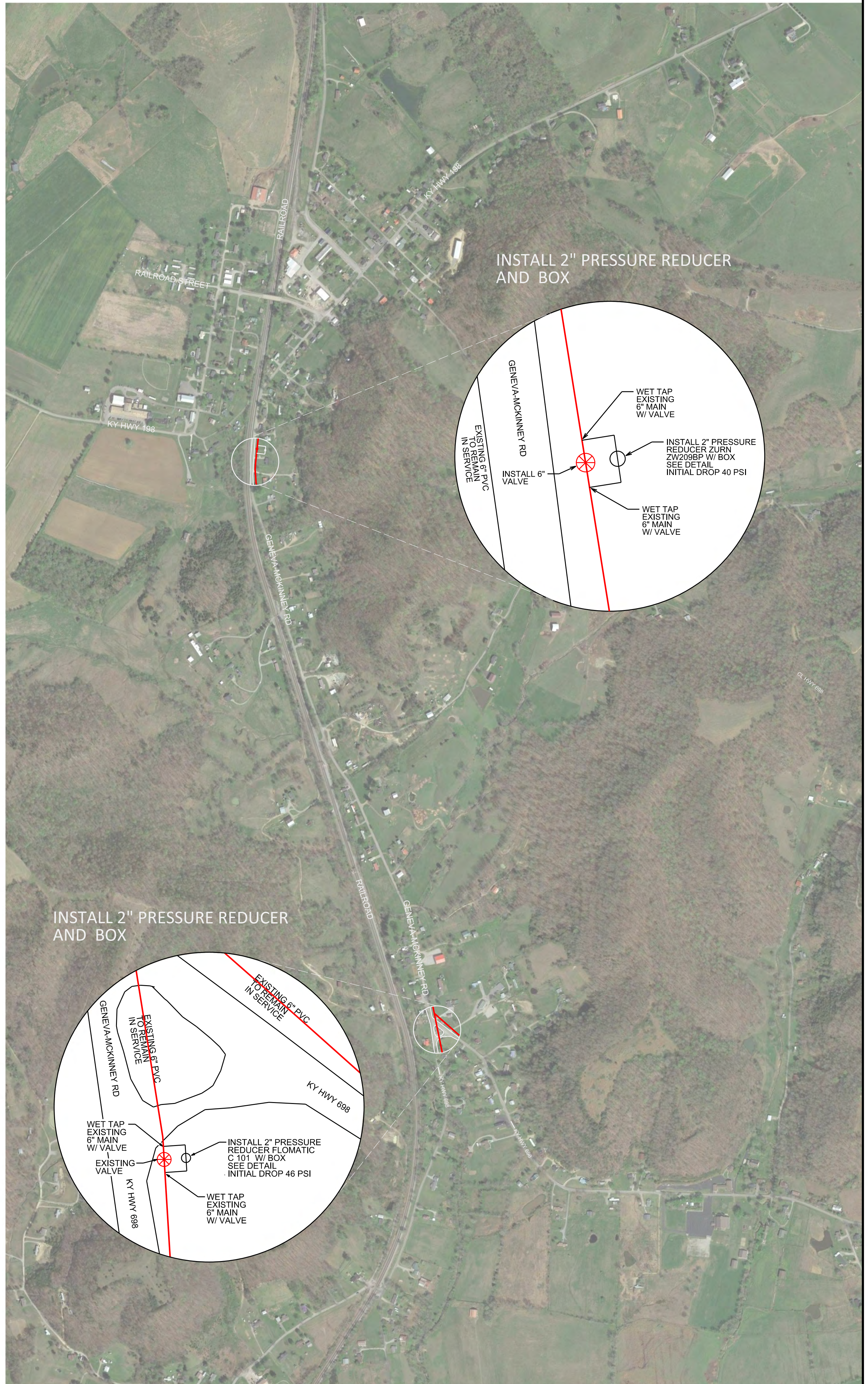
CONTRACT 2 - PHASE 1B WATER PROJECT
HWY 198
METER REPLACEMENT
STANFORD, LINCOLN COUNTY, KENTUCKY

CLIENT:
MCKINNEY WATER DISTRICT
2900 MIDDLEBURG RD
MCKINNEY, KY 40448

P.O. BOX 204
165 FOSTER LANE
STANFORD, KY 40484
PHONE (606) 365-8362
FAX (606) 365-1097



REVISION(S)



DATE: 10/26/24
 SCALE: 1" = 500'
 DRAWN BY: M.S.
 APPROVED BY: GOOCH
 FILENAME: 18298PH2

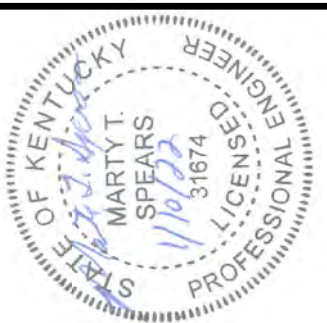
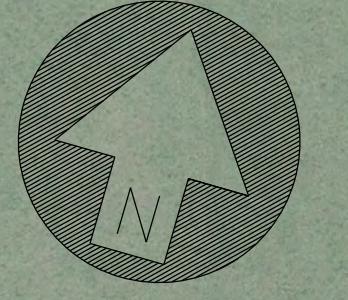
CONTRACT 2 - PHASE 1B WATER PROJECT
MISCELLANEOUS
TAPS-METERS-PRESSURE REDUCERS
STANFORD, LINCOLN COUNTY, KENTUCKY

CLIENT: MCKINNEY WATER DISTRICT
 2900 MIDDLEBURG RD
 MCKINNEY, KY 40448

P.O. BOX 204
 165 FOSTER LANE
 STANFORD, KY 40484
 PHONE (606) 365-8362
 FAX (606) 365-1097



REVISION(S)



DATE: 04/04/22
 SCALE: 1" = 100'
 DRAWN BY: M.S.
 APPROVED BY: GOOCH
 FILENAME: 18295MKRJD

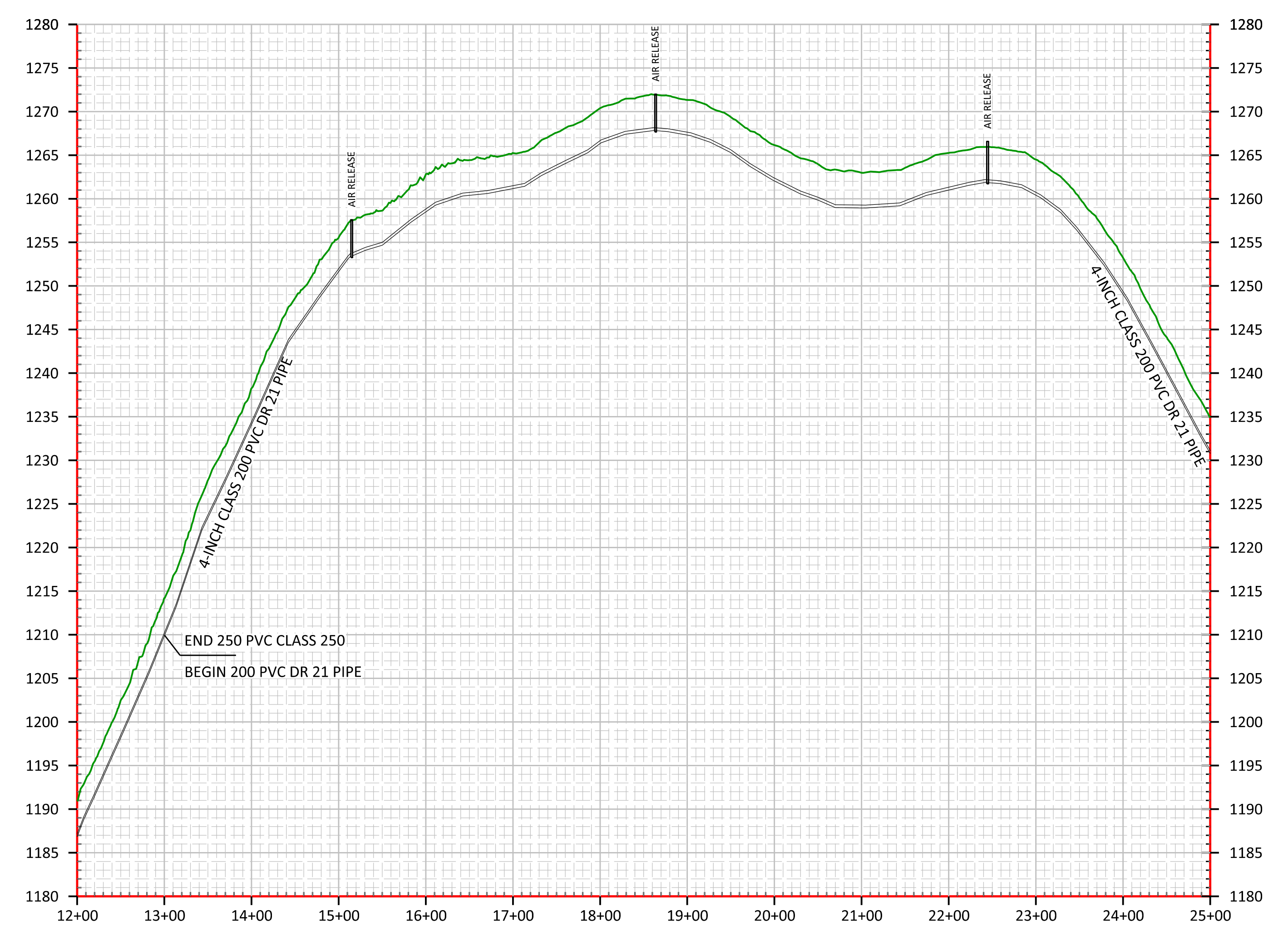
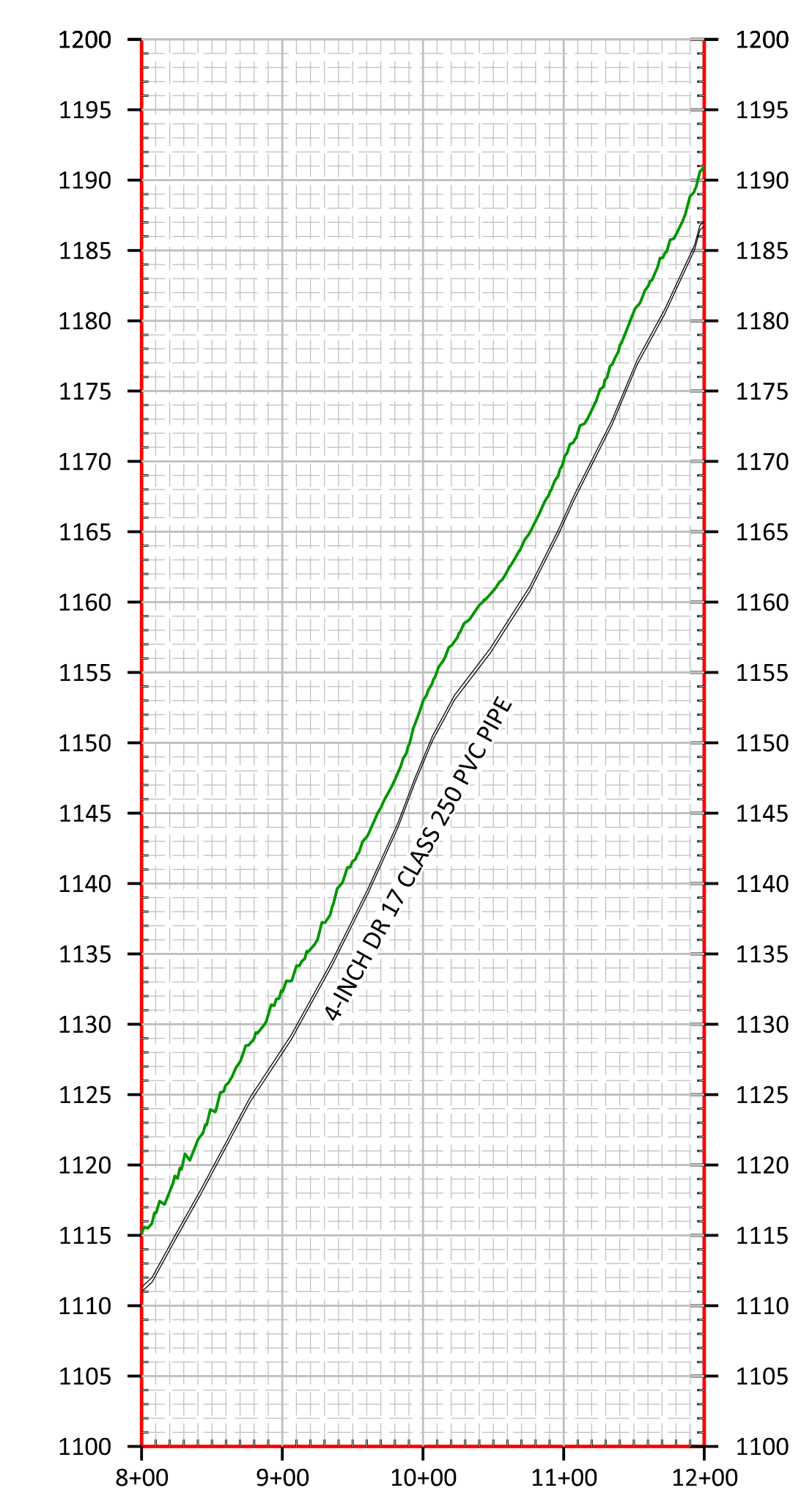
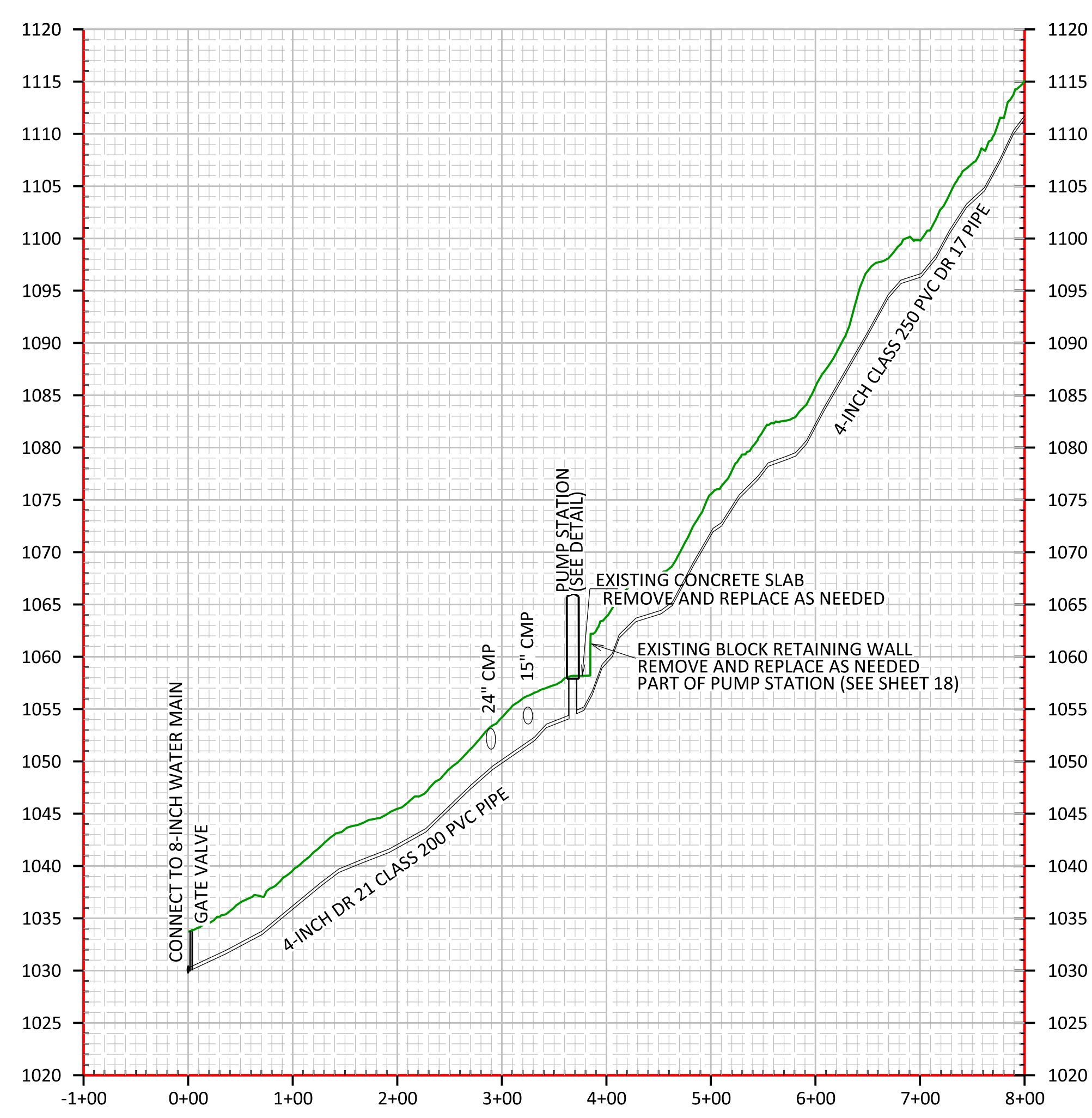
CONTRACT 2 PHASE 1B WATER PROJECT
MCKINNEY RIDGE CONNECTION
4" WATER MAIN ADD ALTERNATE ONE
ADD ALTERNATE ONE

CLIENT: MCKINNEY WATER DISTRICT
 2900 MIDDLEBURG RD
 MCKINNEY, KY 40448

P.O. BOX 204
 165 FOSTER LANE
 STANFORD, KY 40464
 PHONE (606) 365-8362
 FAX (606) 365-1097



REVISION(S)



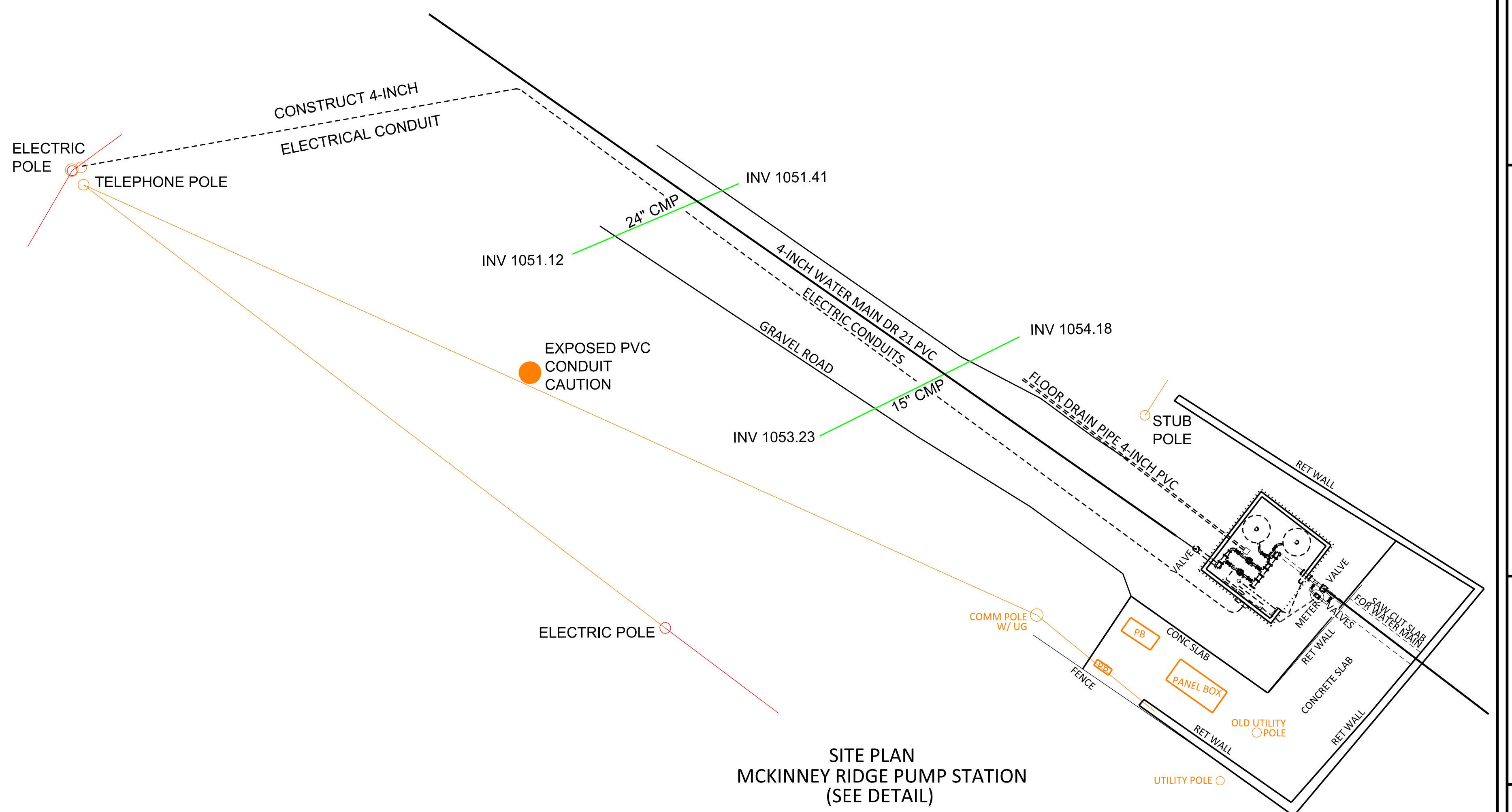
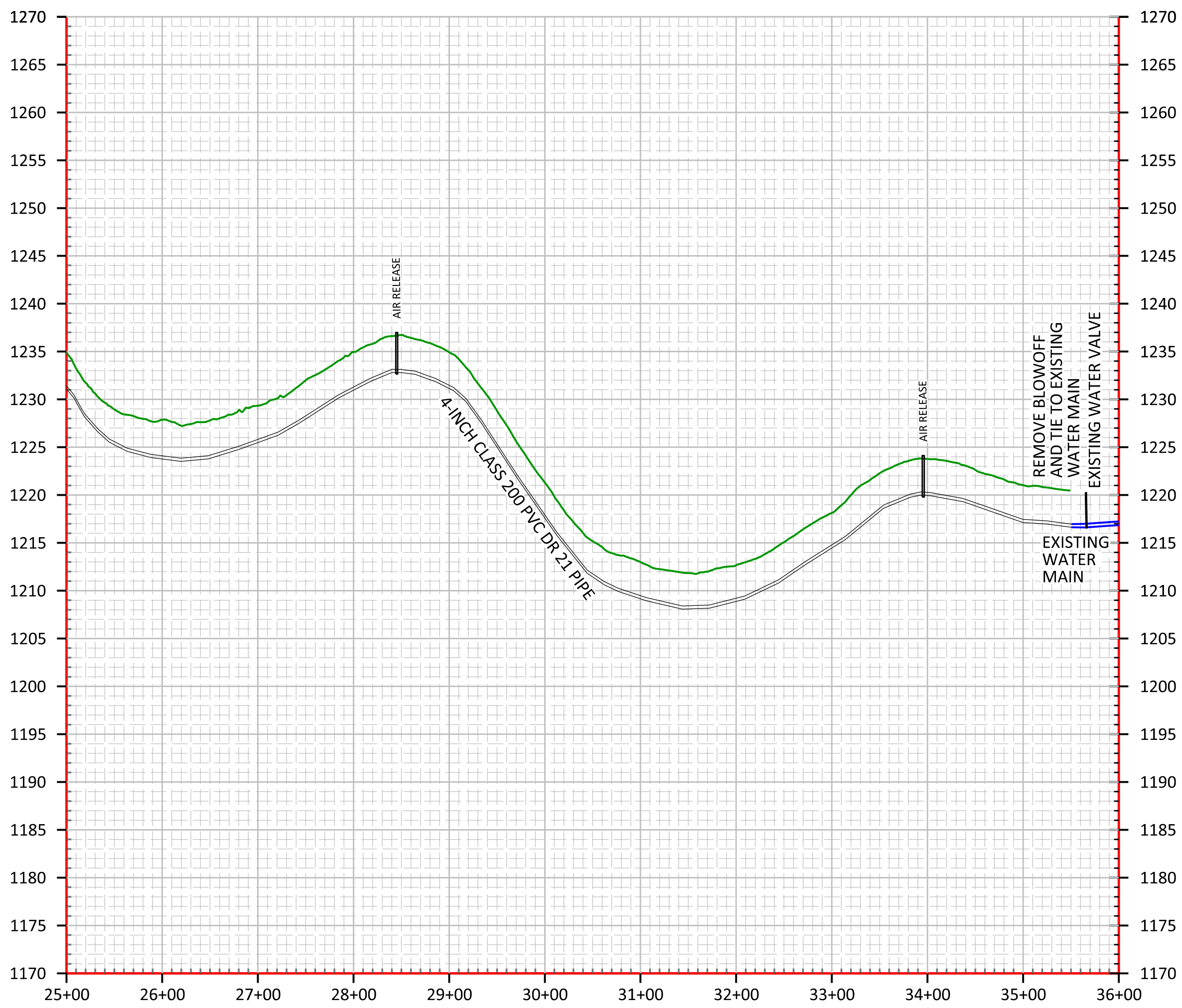


STA 22+45 INSTALL AUTOMATIC AIR RELEASE (SEE DETAIL)
 STA 33+95 INSTALL AUTOMATIC AIR RELEASE (SEE DETAIL)
 STA 35+49 REMOVE BLOWOFF CONNECT TO EXISTING WATER MAIN

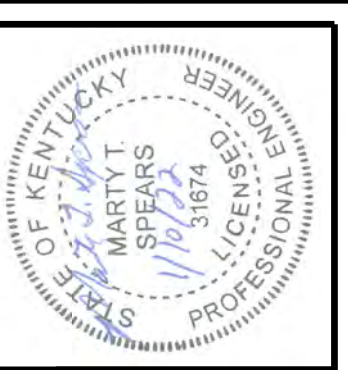
AIR RELEASE VALVE AUTOMATIC SEE DETAIL

AIR RELEASE VALVE MANUAL SEE DETAIL

REMOVE BLOWOFF AND TIE TO EXISTING WATER MAIN



SITE PLAN
 MCKINNEY RIDGE PUMP STATION
 (SEE DETAIL)



DATE: 04/04/22
 SCALE: 1" = 100'
 DRAWN BY: M.S.
 APPROVED BY: GOOCH
 FILENAME: 18295MCKRIDG

CONTRACT 2 PHASE 1B WATER PROJECT
 MCKINNEY RIDGE CONNECTION
 4" WATER MAIN
 ADD ALTERNATE ONE

CLIENT:
 MCKINNEY WATER DISTRICT
 2900 MIDDLEBURG RD
 MCKINNEY, KY 40448

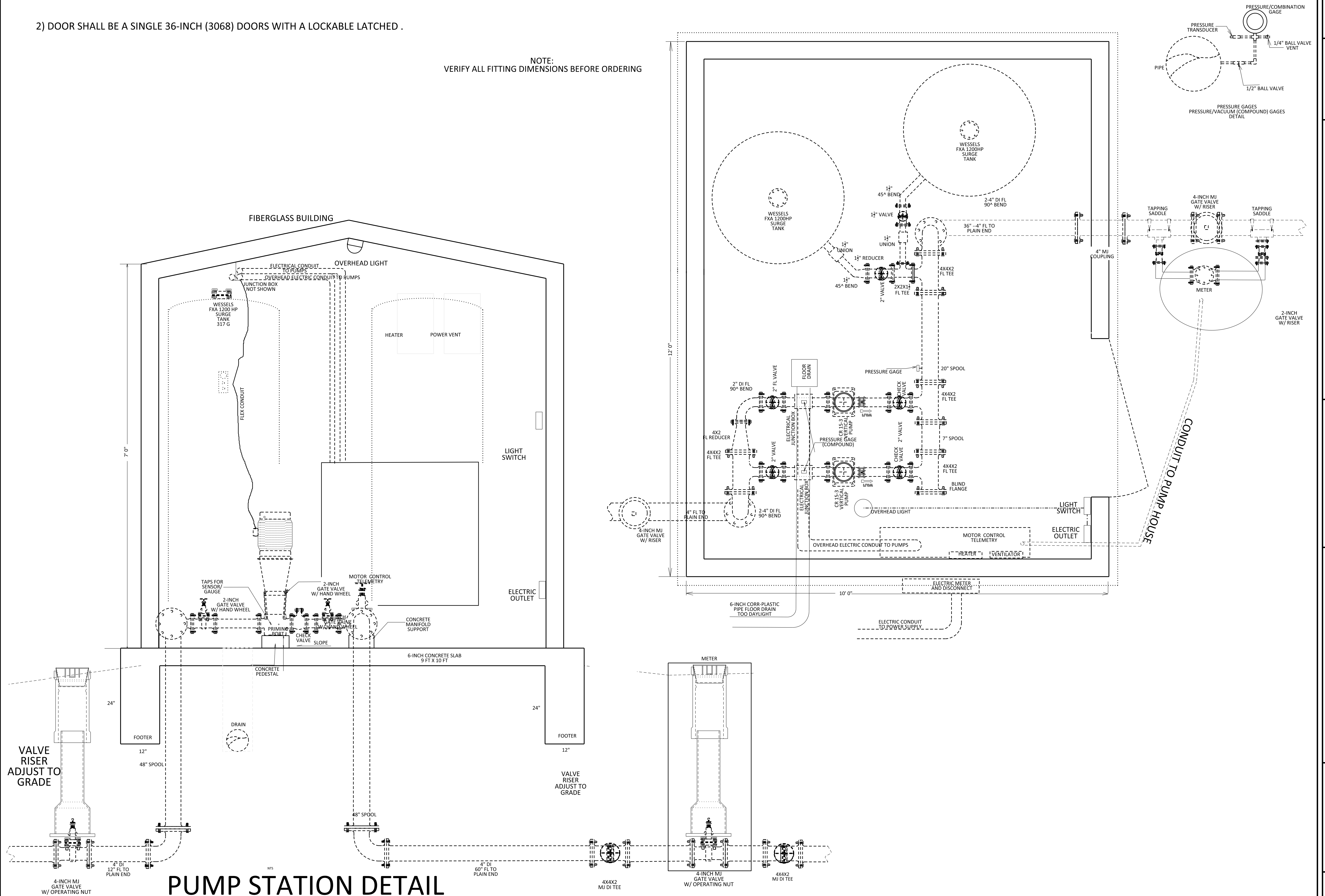
P.O. BOX 204
 165 FOSTER LANE
 STANFORD, KY 40484
 PHONE (606) 365-8362
 FAX (606) 365-1097



REVISION(S)

2) DOOR SHALL BE A SINGLE 36-INCH (3068) DOORS WITH A LOCKABLE LATCHED .

NOTE:
VERIFY ALL FITTING DIMENSIONS BEFORE ORDERING



PUMP STATION DETAIL

CONTRACT 2 - PHASE 1B WATER PROJECT
MCKINNEY RIDGE ADD ALTERNATE ONE
PUMPING STATION
STANFORD, LINCOLN COUNTY, KENTUCKY

CLIENT:
MCKINNEY WATER DISTRICT
2900 MIDDLEBURG RD
MCKINNEY, KY 40448

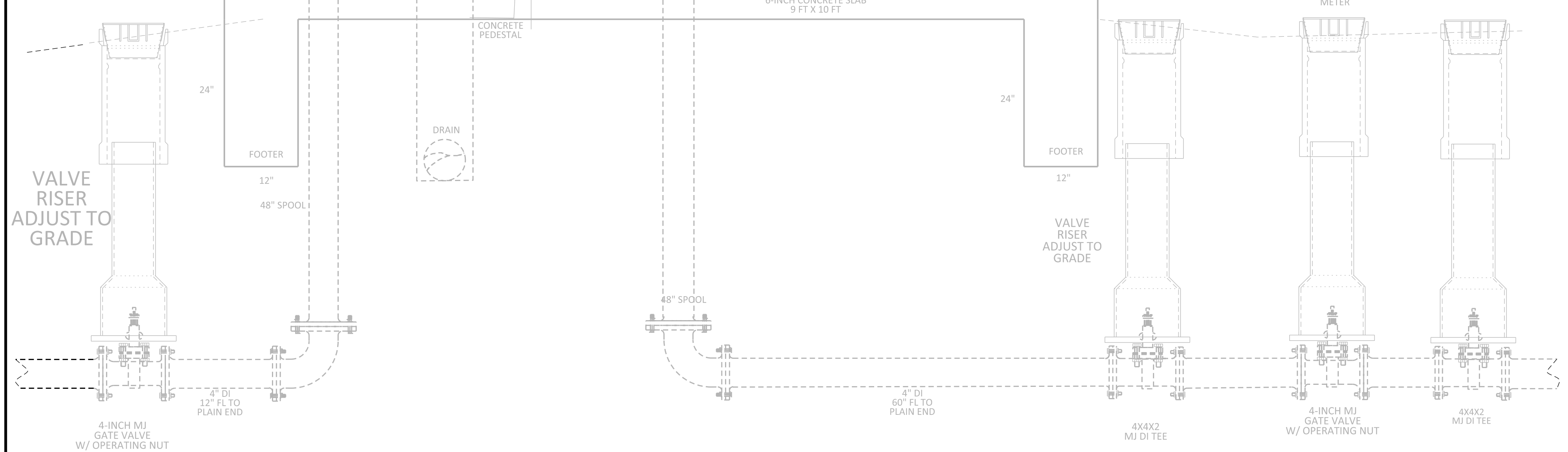
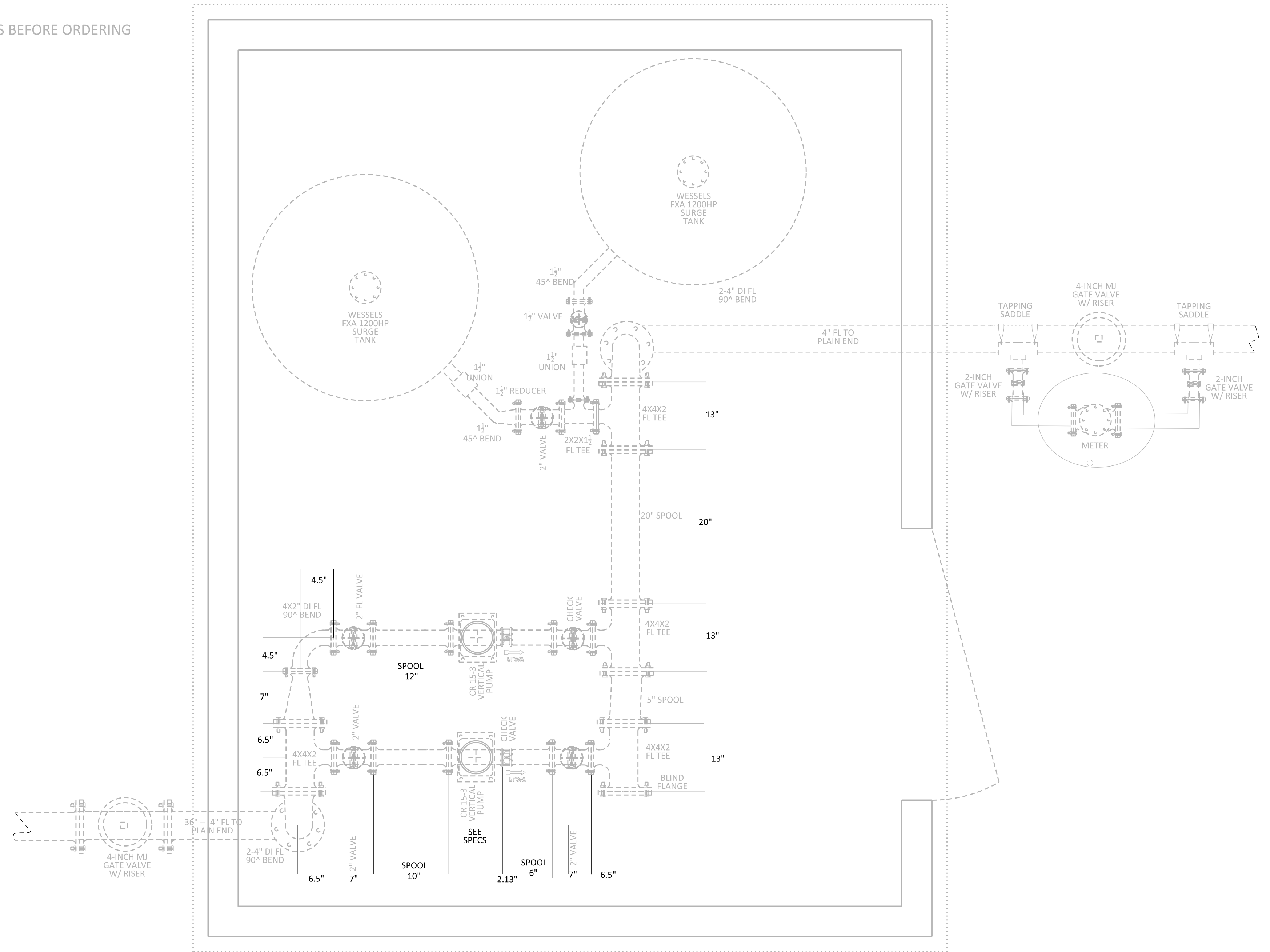
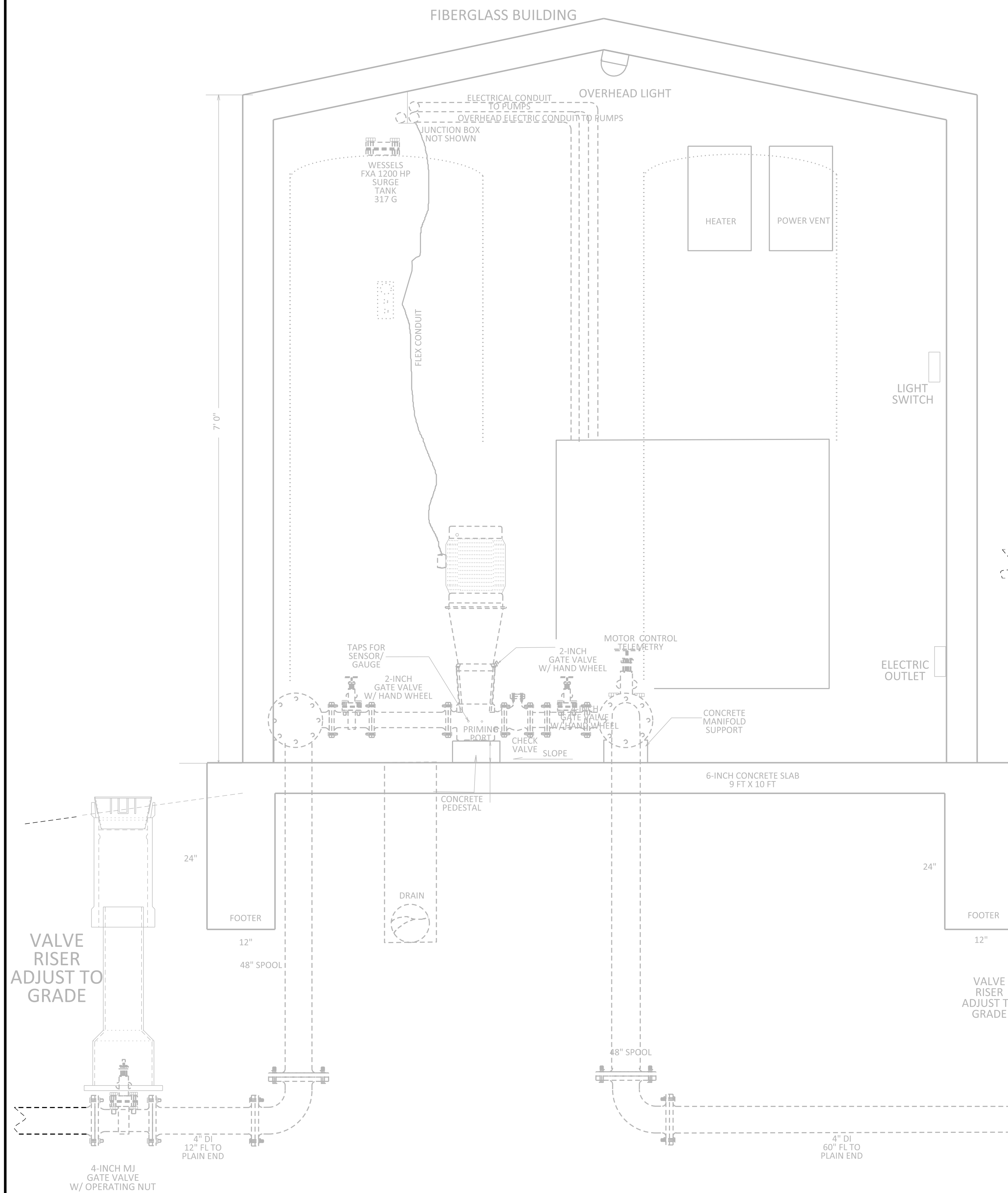
P.O. BOX 204
165 FOSTER LANE
STANFORD, KY 40464
PHONE (606) 365-8362
FAX (606) 365-1097



REVISION(S)

DATE: 08/07/20
SCALE: 1" = 10'
DRAWN BY: M.S.
APPROVED BY: GOOCH
FILENAME: 1825RPH2NEW

NOTE:
VERIFY ALL FITTING DIMENSIONS BEFORE ORDERING



PUMP STATION DETAIL

DATE: 08/07/20
SCALE: 1" = 10'
DRAWN BY: M.S.
APPROVED BY: GOOCH
FILENAME: 18258PH2NEW

CONTRACT 2 - PHASE 1B WATER PROJECT
McKINNEY RIDGE ADD ALTERNATE ONE
PUMPING STATION
STANFORD, LINCOLN COUNTY, KENTUCKY

CLIENT:
McKINNEY WATER DISTRICT
2900 MIDDLEBURG RD
McKINNEY, KY 40448

P.O. BOX 204
165 FOSTER LANE
STANFORD, KY 40484
PHONE (606) 365-8362
FAX (606) 365-1097

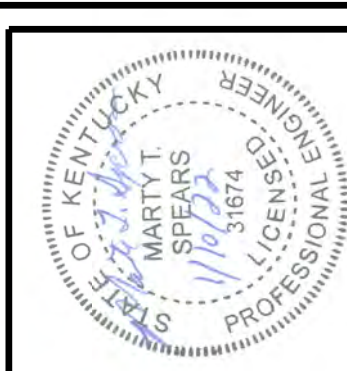
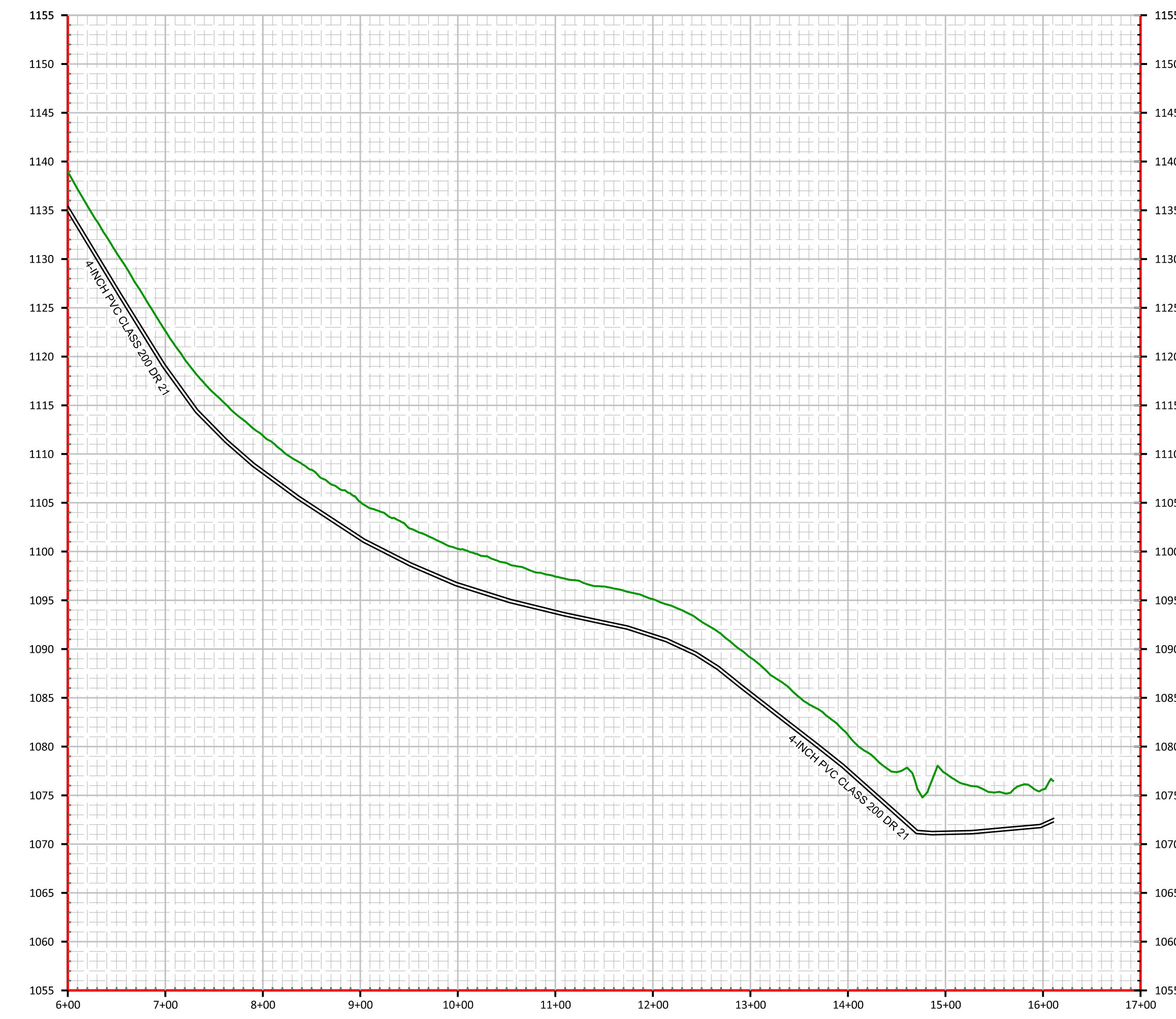
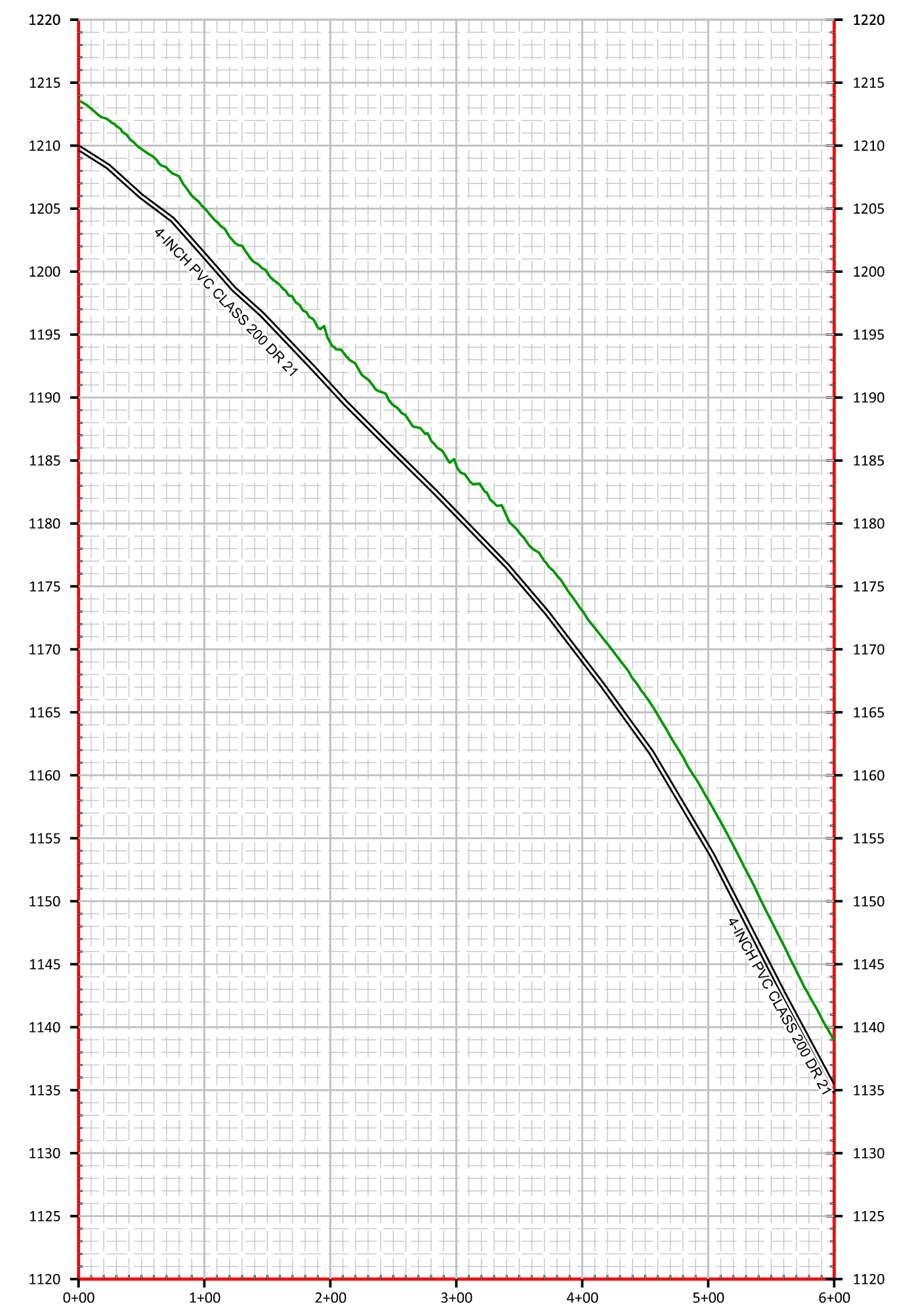


REVISION(S)



- STA 0+00 - REMOVE BLOW-OFF TIE TO EXISTING LINE AND VALVE
- STA 14+75 - CONCRETE CAP WATER MAIN IN DITCH
- STA 16+00 - REPAIR EXISTING ASPHALT ROAD (80 SQ FT)
- STA 16+11 - REMOVE BLOW-OFF TIE TO EXISTING LINE AND VALVE
- STA 16+11 LT - PRESSURE REDUCER 2" ON EXISTING PVC MAIN

SCALE:
H: 1" = 100'
V: 1" = 10'



DATE: 07/29/20
SCALE: 1" = 100'
DRAWN BY: M.S.
APPROVED BY: GOOCH
FILENAME: 18298PHZ

CONTRACT 2 - PHASE 1B WATER PROJECT
MARTIN TRAIL INTER-CONNECT
4" WATER MAIN ALTERNATE ONE
STANFORD, LINCOLN COUNTY, KENTUCKY

CLIENT:
McKINNEY WATER DISTRICT
2900 MIDDLEBURG RD
McKINNEY, KY 40448

P.O. BOX 204
165 FOSTER LANE
STANFORD, KY 40484
PHONE (606) 365-8362
FAX (606) 365-1097



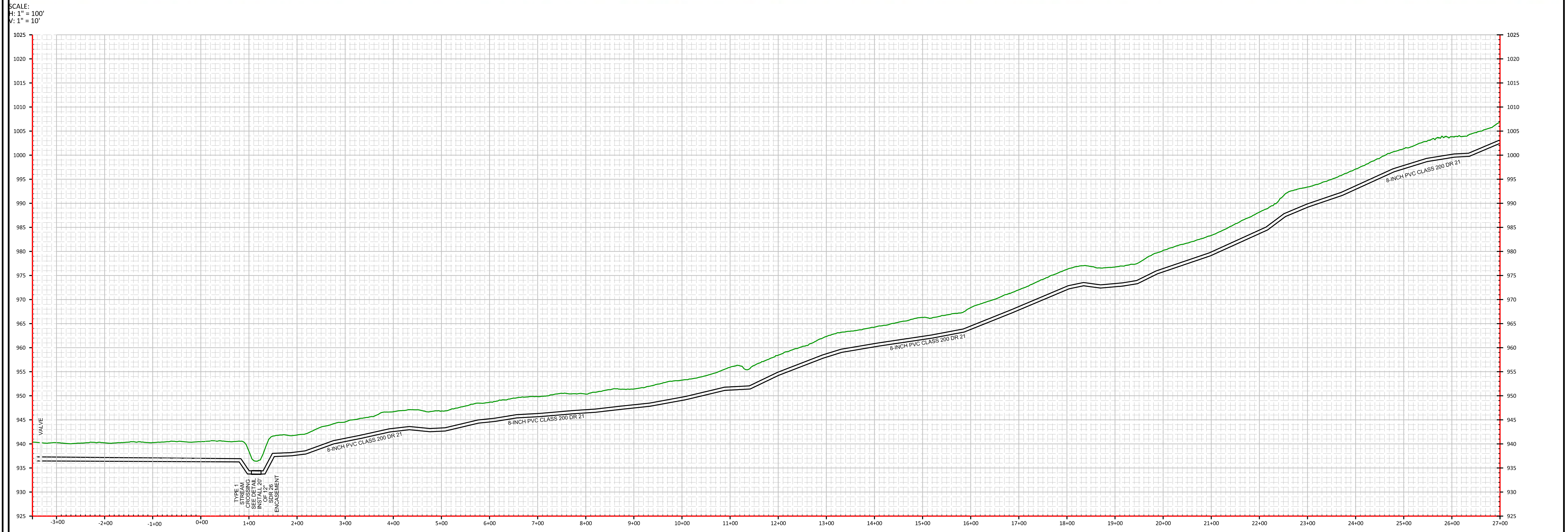
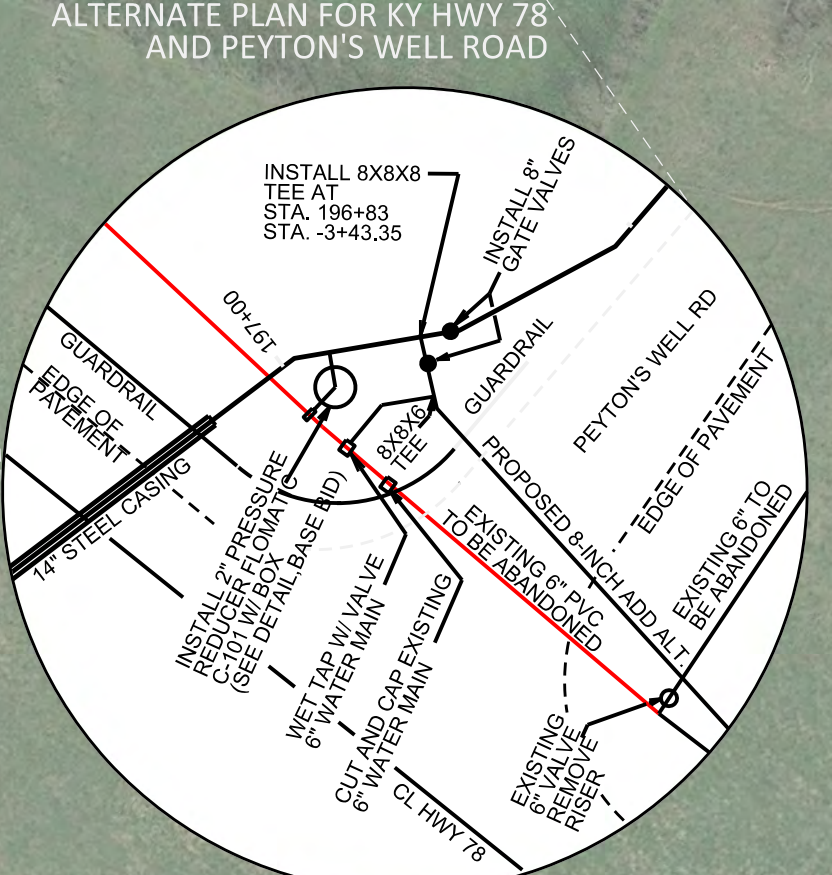
REVISION(S)



STA -3+43.35 - TIE-IN TO 8-INCH PHASE 1B WATER MAIN AND ENLARGE TO 8-INCH CONSTRUCT 5397 FEET OF 8" DR 21 PVC
 STA -3+40 - INSTALL 8-INCH GATE VALVE AT TIE-IN
 STA -3+20 - WET TAP EXISTING 6" MAIN
 STA -3+22 - REPAIR EXISTING ASPHALT DRIVE (60 SQ FT)
 STA -1+22 - REPAIR EXISTING ASPHALT DRIVE (60 SQ FT)
 STA -0+80 - REPLACE EXISTING 1" SERVICE LINE (150 FT)

STA 2+30 - RECONNECT METER PRESSURE REDUCER (SEE DETAIL)
 STA 2+32 - RECONNECT METER PRESSURE REDUCER (SEE DETAIL)
 STA 1+15 - INSTALL TYPE 1 STREAM CROSSING (SEE DETAIL)

STA 21+40 - RECONNECT METER PRESSURE REDUCER (SEE DETAIL) 40 ROAD BORE OF 1-INCH SERVICE WITH 65 FT OF CTS TUBING



DATE: 08/07/20
 SCALE: 1" = 100'
 DRAWN BY: M.S.
 APPROVED BY: GOOCH
 FILENAME: 18298PHZ

CONTRACT 2 - PHASE 1B WATER PROJECT
HWY 78 - ADD ALTERNATE TWO
8" WATER MAIN
STANFORD, LINCOLN COUNTY, KENTUCKY

CLIENT:
 MCKINNEY WATER DISTRICT
 2900 MIDDLEBURG RD
 MCKINNEY, KY 40448

P.O. BOX 204
 165 FOSTER LANE
 STANFORD, KY 40484
 PHONE (606) 365-8362
 FAX (606) 365-1097



REVISION(S)

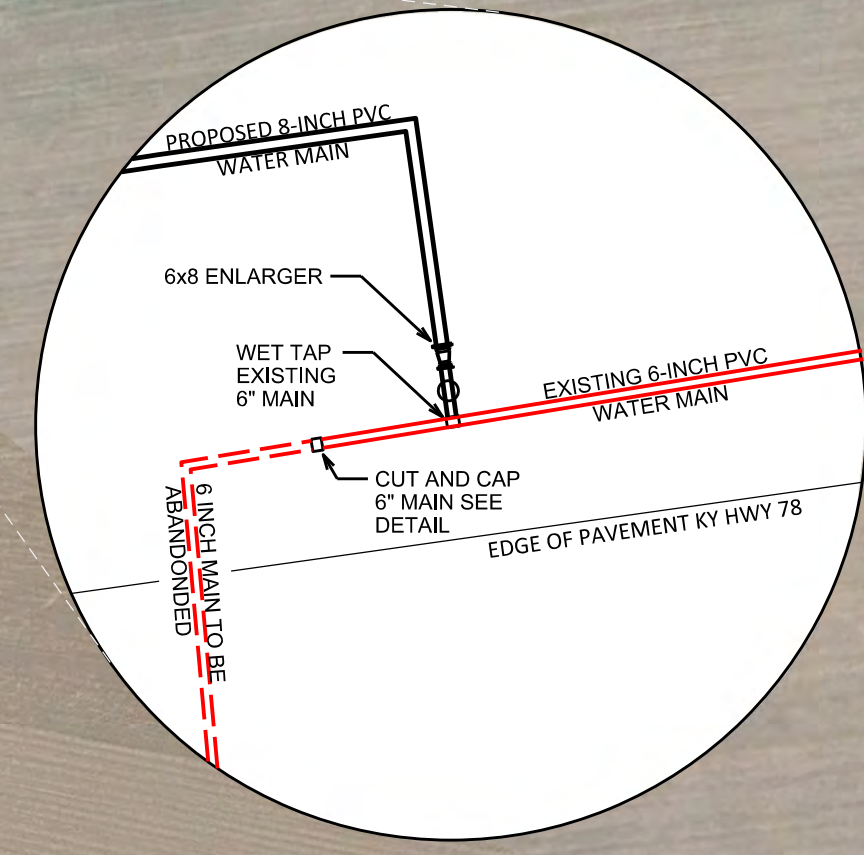


- STA 30+00 - REPAIR EXISTING GRAVEL DRIVE (2T)
- STA 40+80 - RECONNECT METER PRESSURE REDUCER (SEE DETAIL) 40 ROAD BORE OF 1-INCH SERVICE WITH 87 FT OF CTS TUBING
- STA 42+22 - INSTALL AUTOMATIC AIR RELEASE (SEE DETAIL)
- STA 53+50 - CUT AND CAP WATER MAIN TO ABAONDON (SEE DETAIL)
- STA 53+53 - INSTALL 6-INCH WET TAP (SEE DETAIL)

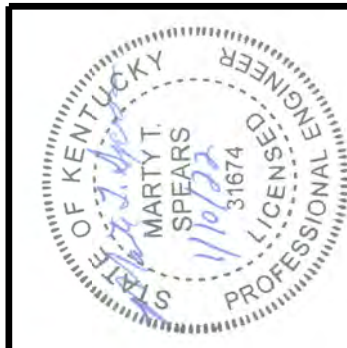
TYPICAL METER BOX RECONNECTION SEE DETAIL

INSTALL AUTOMATIC AIR RELIEF VALVE AT STA. 42+22

EXISTING WATER METER



SCALE:
H: 1" = 100'
V: 1" = 10'



DATE: 08/07/20
SCALE: 1" = 100'
DRAWN BY: M.S.
APPROVED BY: GOOCH
FILENAME: 18298PHZ

CONTRACT 2 - PHASE 1B WATER PROJECT
HWY 78 - ADD ALTERNATE TWO
8" WATER MAIN
STANFORD, LINCOLN COUNTY, KENTUCKY

CLIENT:
McKINNEY WATER DISTRICT
2900 MIDDLEBURG RD
McKINNEY, KY 40448

P.O. BOX 204
165 FOSTER LANE
STANFORD, KY 40484
PHONE (606) 365-8362
FAX (606) 365-1097



REVISION(S)

Temporary Black & White Construction Sign for projects funded by the Department for Local Government (DLG)

Andy Beshear
Governor



Matt Sawyers
Commissioner

Office of the Governor
Department for Local Government

McKinney Water District Water
Improvements Phase 1B Project

Project Sponsor: Lincoln County Fiscal Court

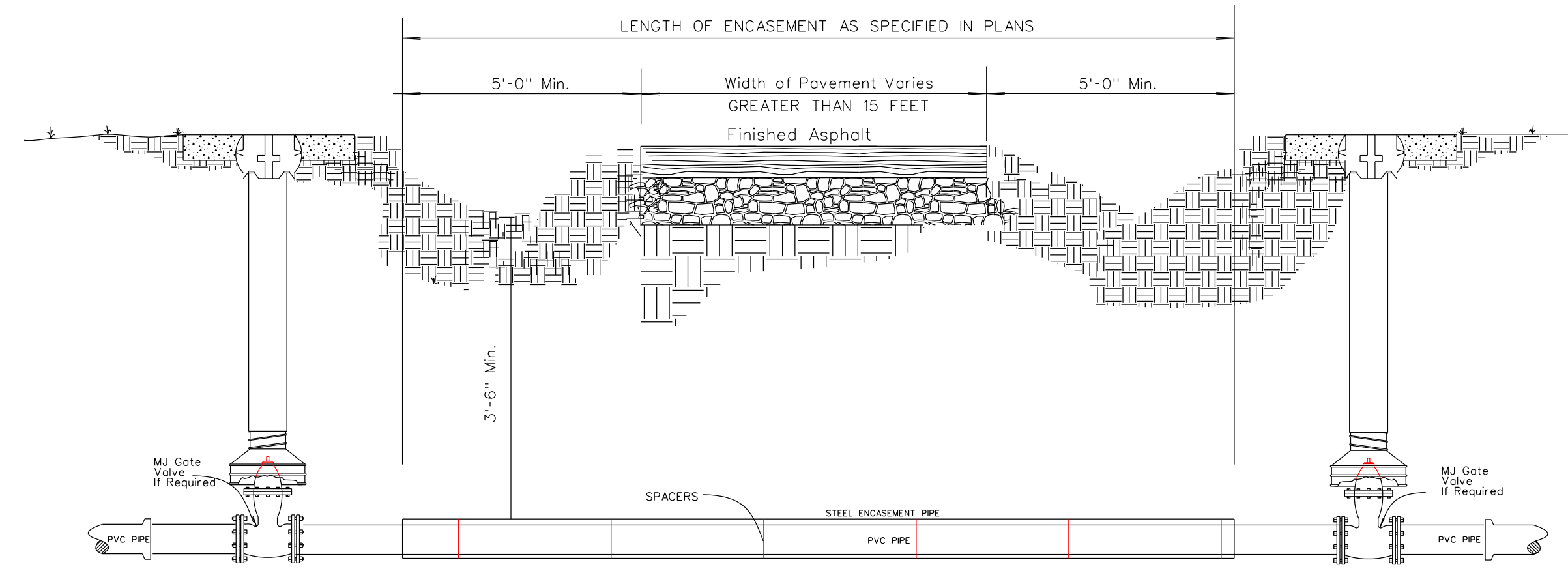
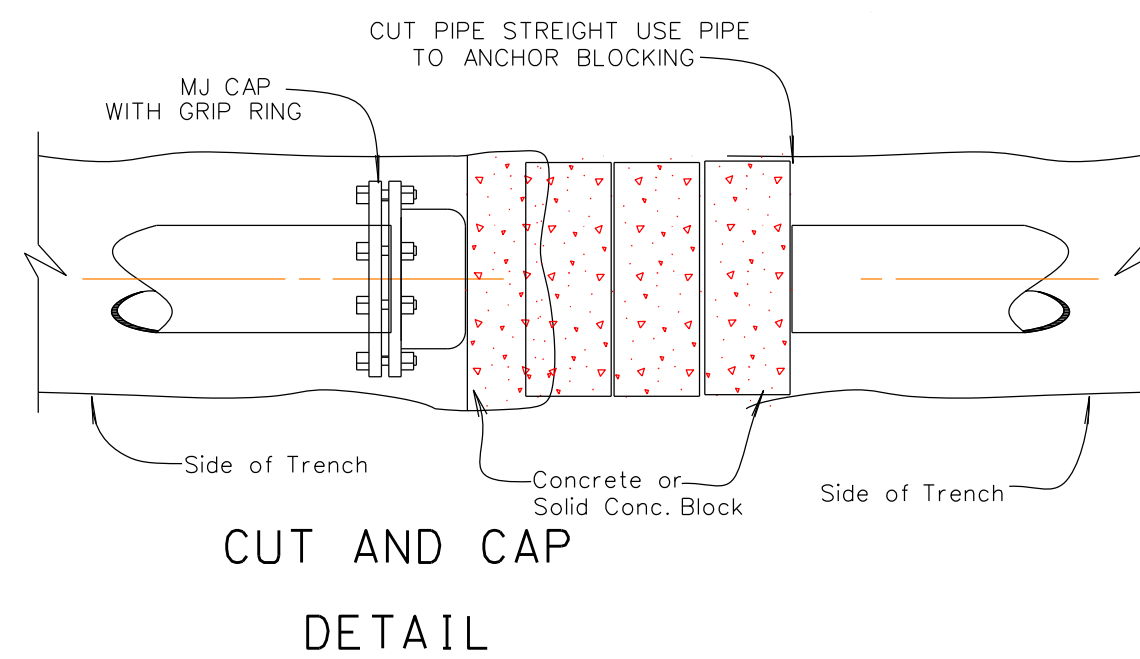
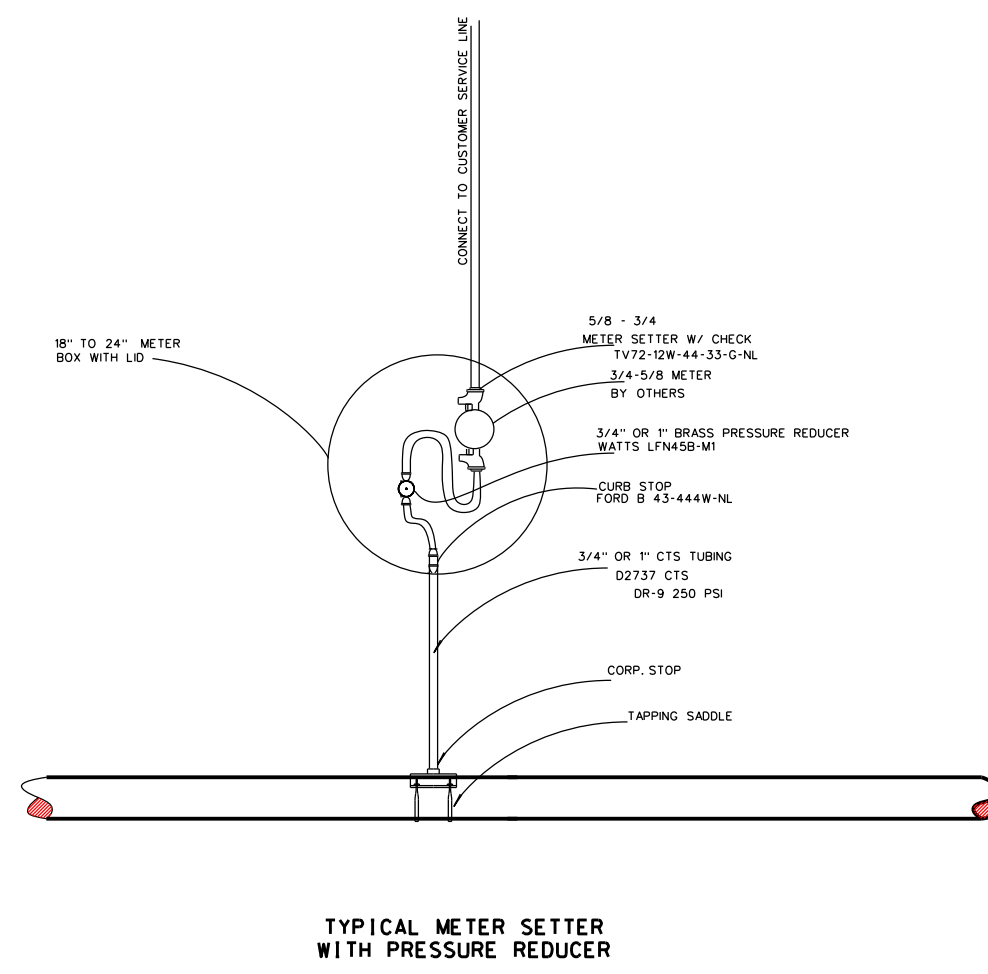
Sponsor Address: 102 E. Main St., Stanford, KY 40484

Engineer: AGE Engineering Services

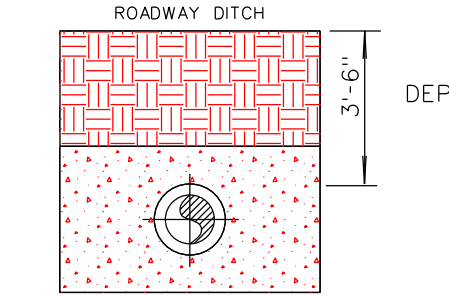


This project is funded by a Community Development Block Grant administered by the Department for Local Government and financed by the U.S. Department of Housing and Urban Development.
Equal Opportunity Employer

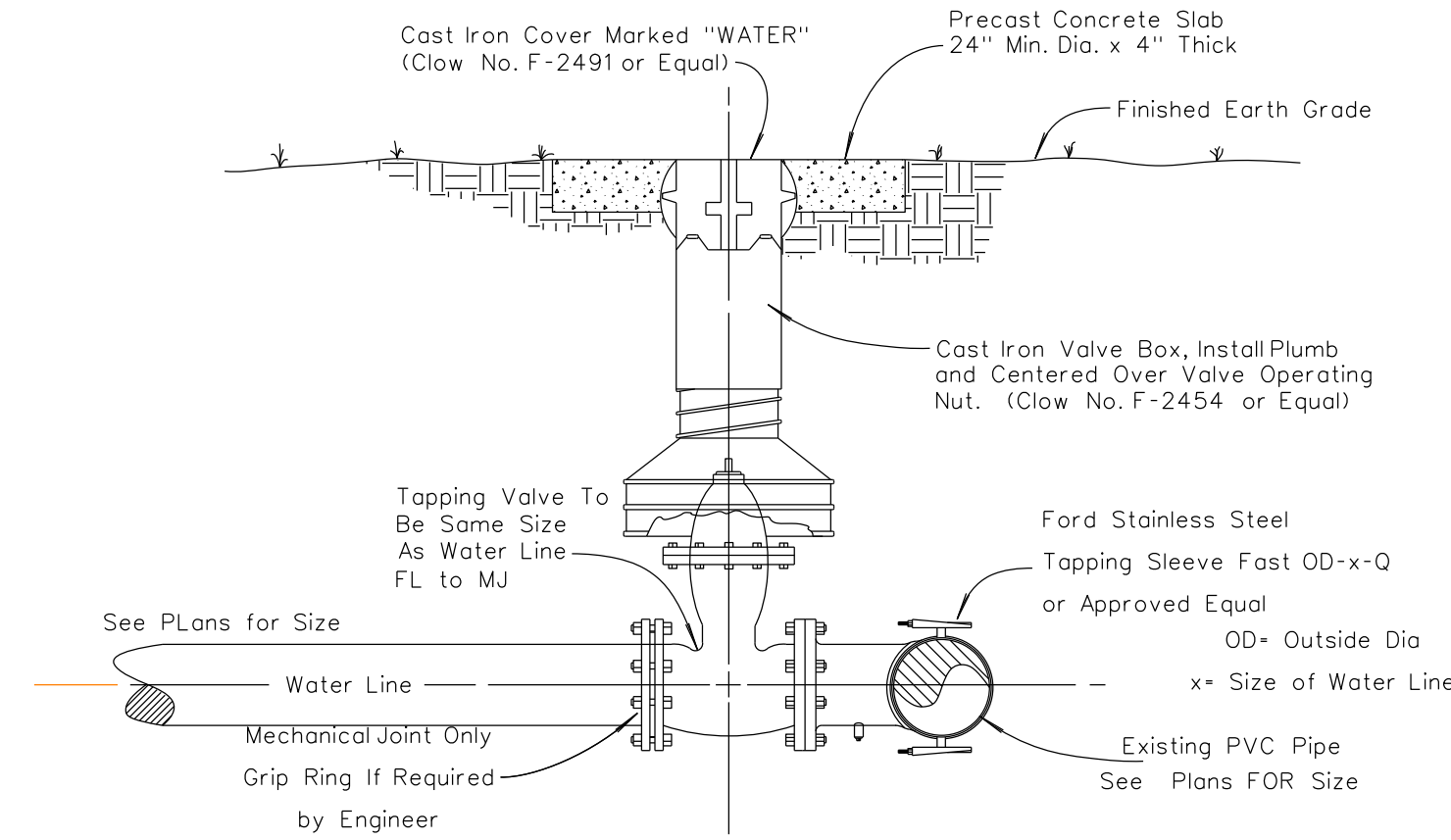
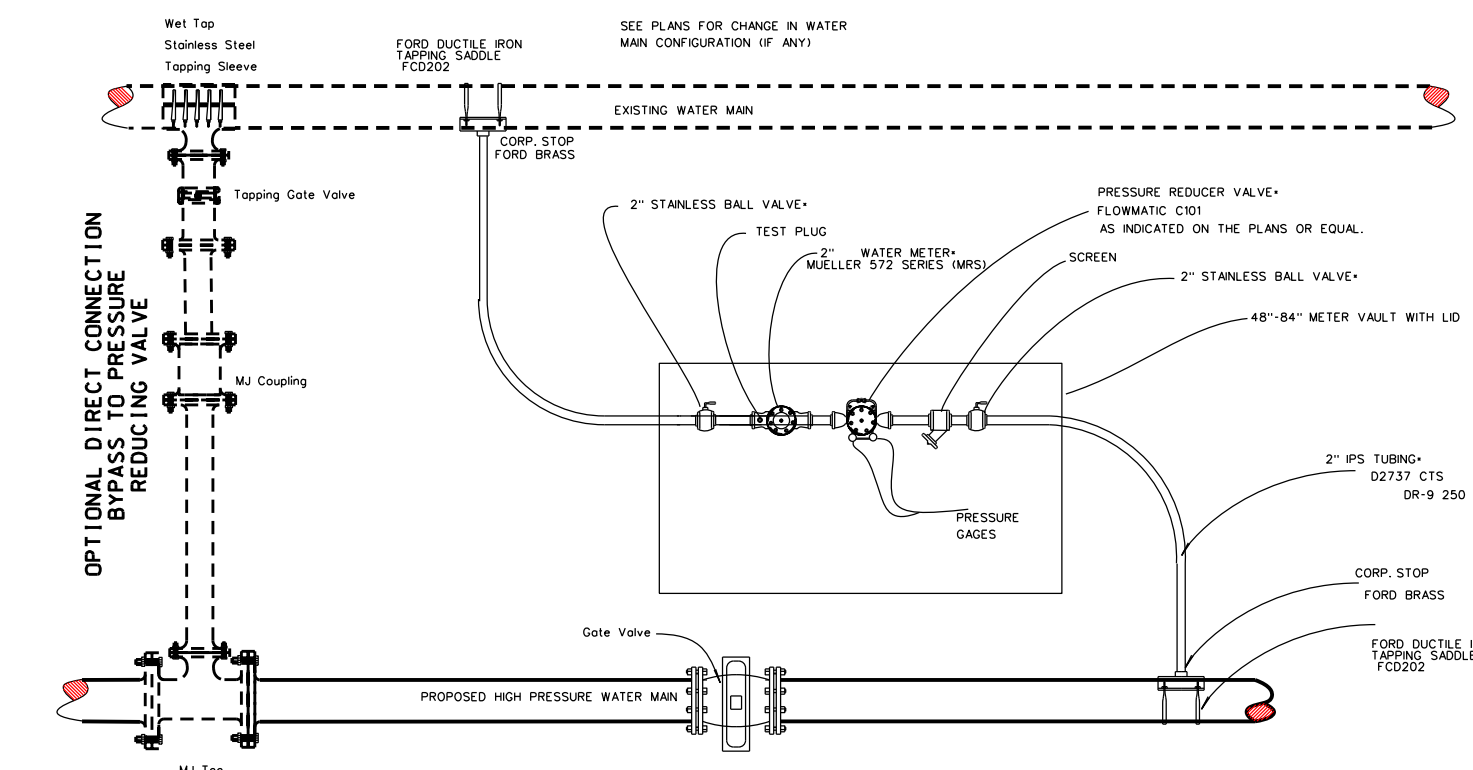
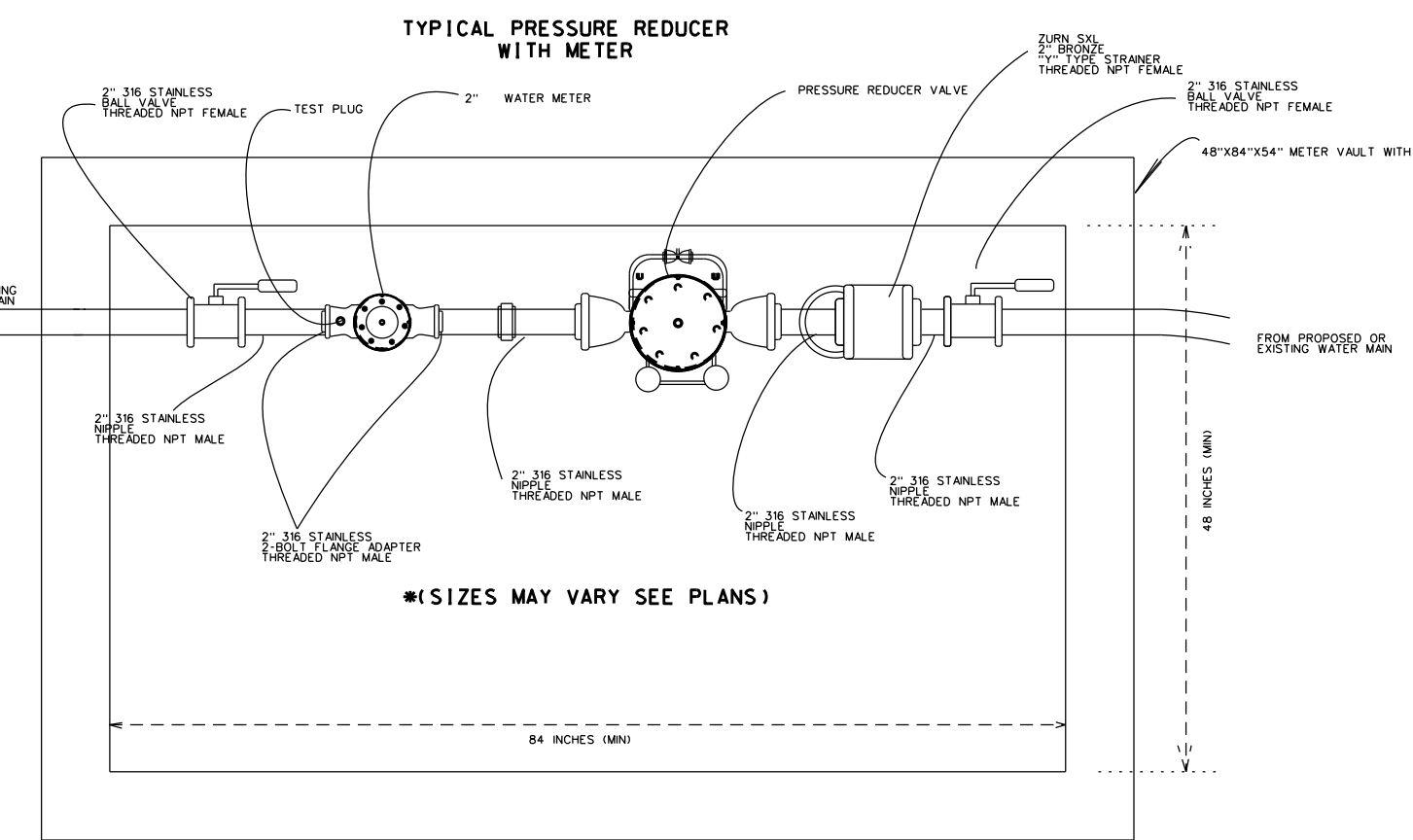
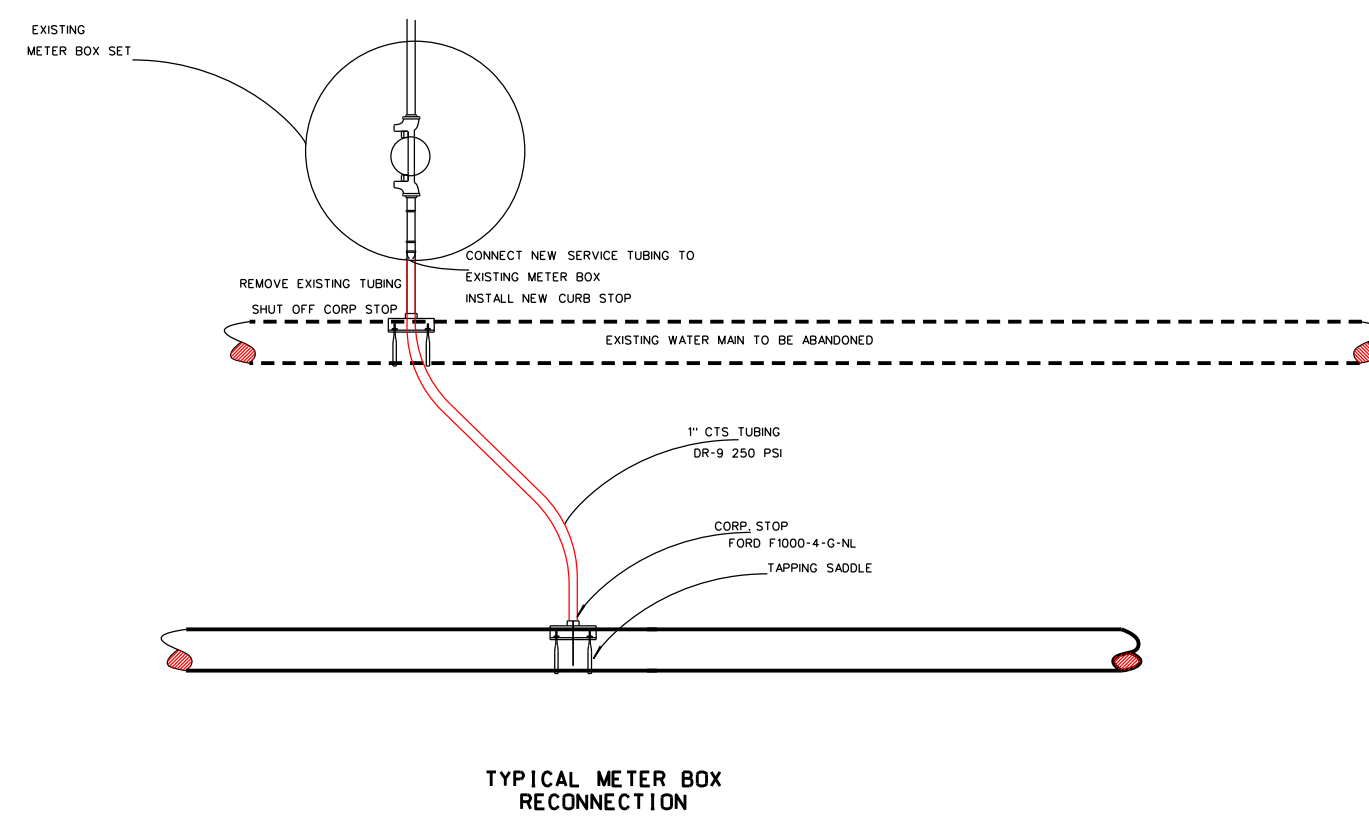
Sign Dimensions: 1200mm x 2400mm x 19 mm (app. 4' x 8' x 3/4") Plywood Panel (APA Rated A-B grade - Exterior)



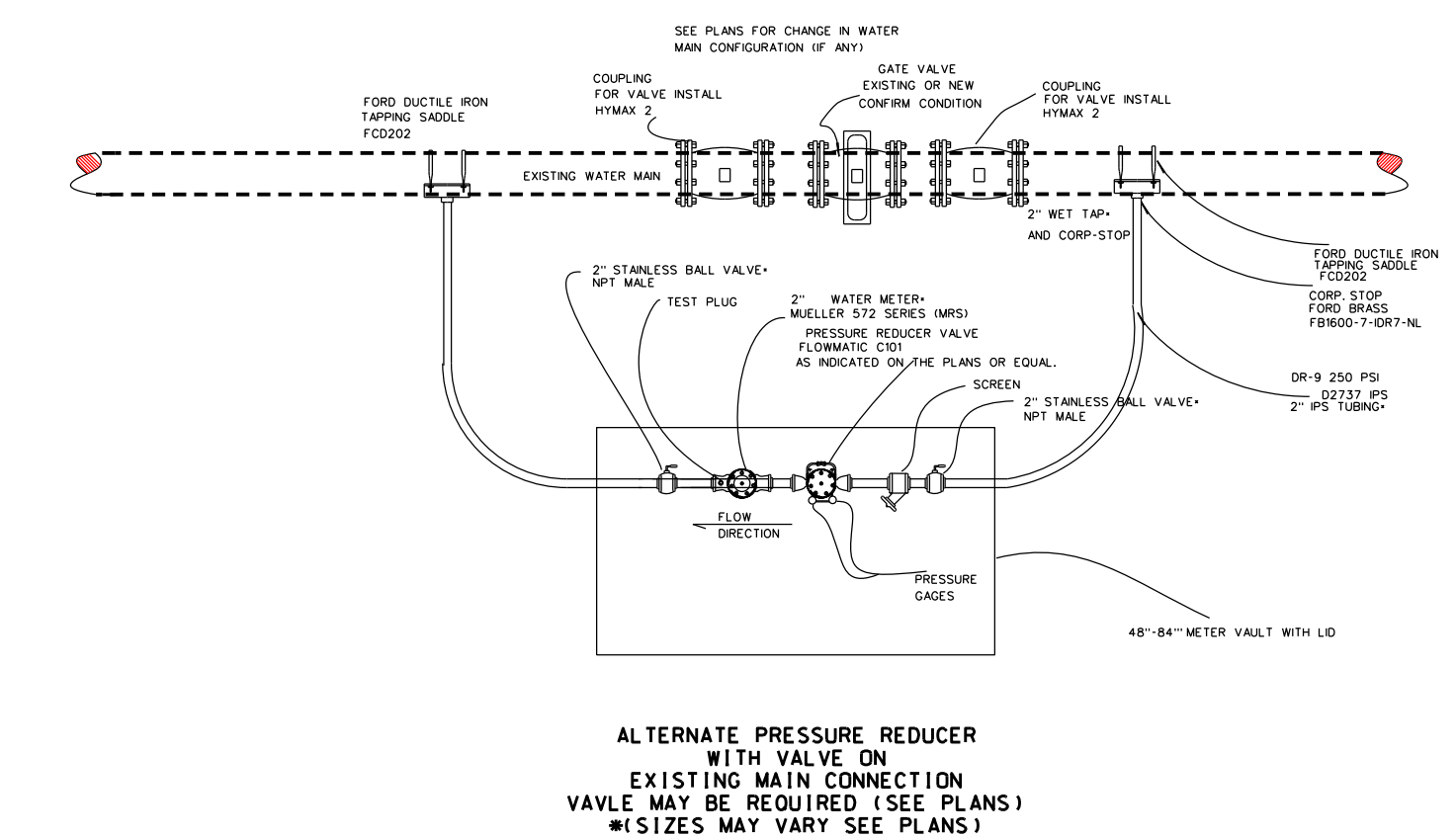
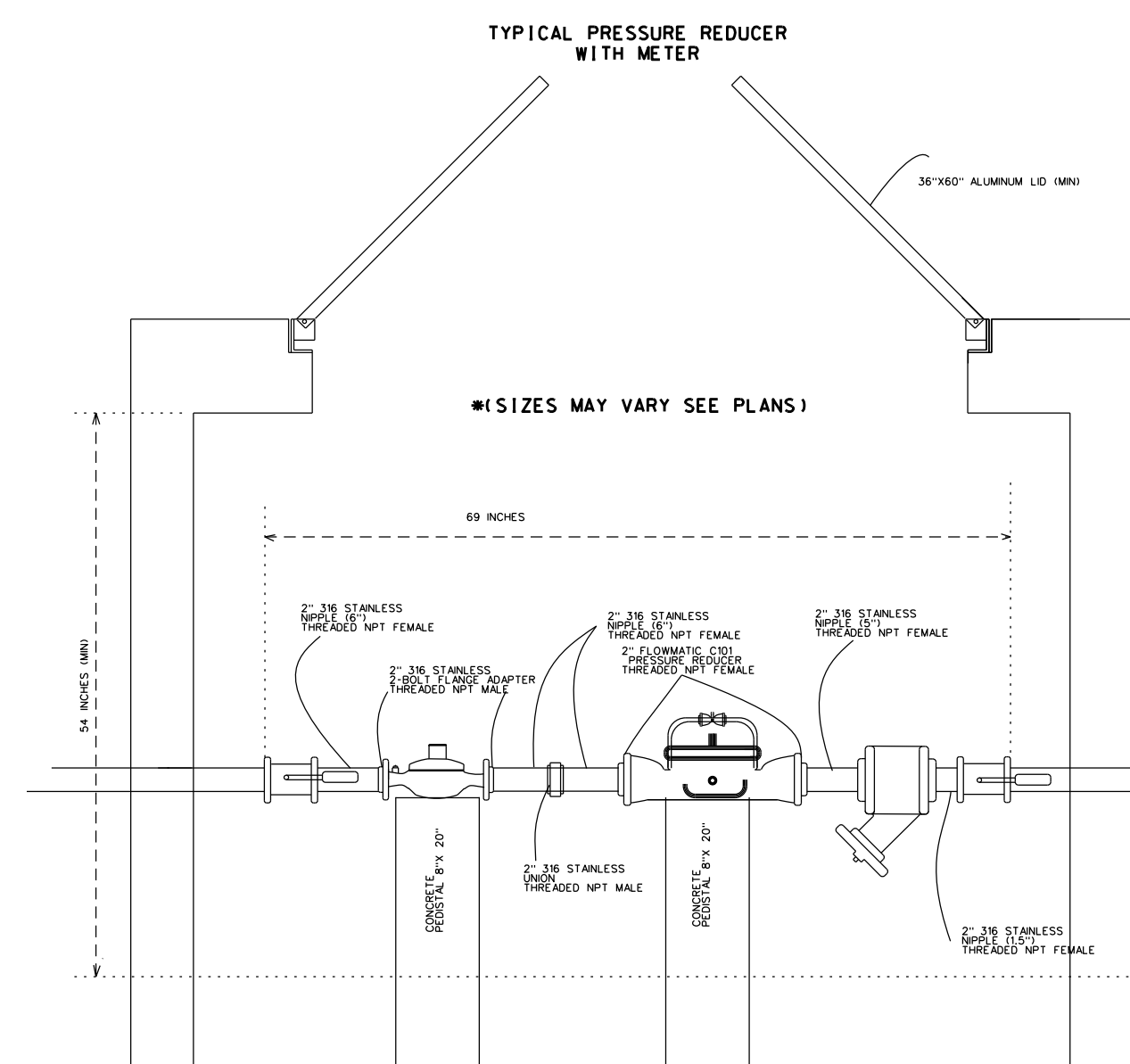
CLASS	PRESSURE
SDR 17	250
SDR 21	200



TYPE I ROAD CROSSING
ROAD CROSSING BORE WITH PVC WATERLINE



WET TAP ON
PVC PIPE



DATE: 10-7-19
SCALE: 1" = 10'
DRAWN BY: M.S.
APPROVED BY: GOOCH
FILENAME: 1829SDANCON

PHASE 1B WATER PROJECT CONTRACT 2
WATER MAIN CONSTRUCTION
PRESSURE REDUCER & METER SETTINGS
MCKINNEY, LINCOLN COUNTY, KENTUCKY

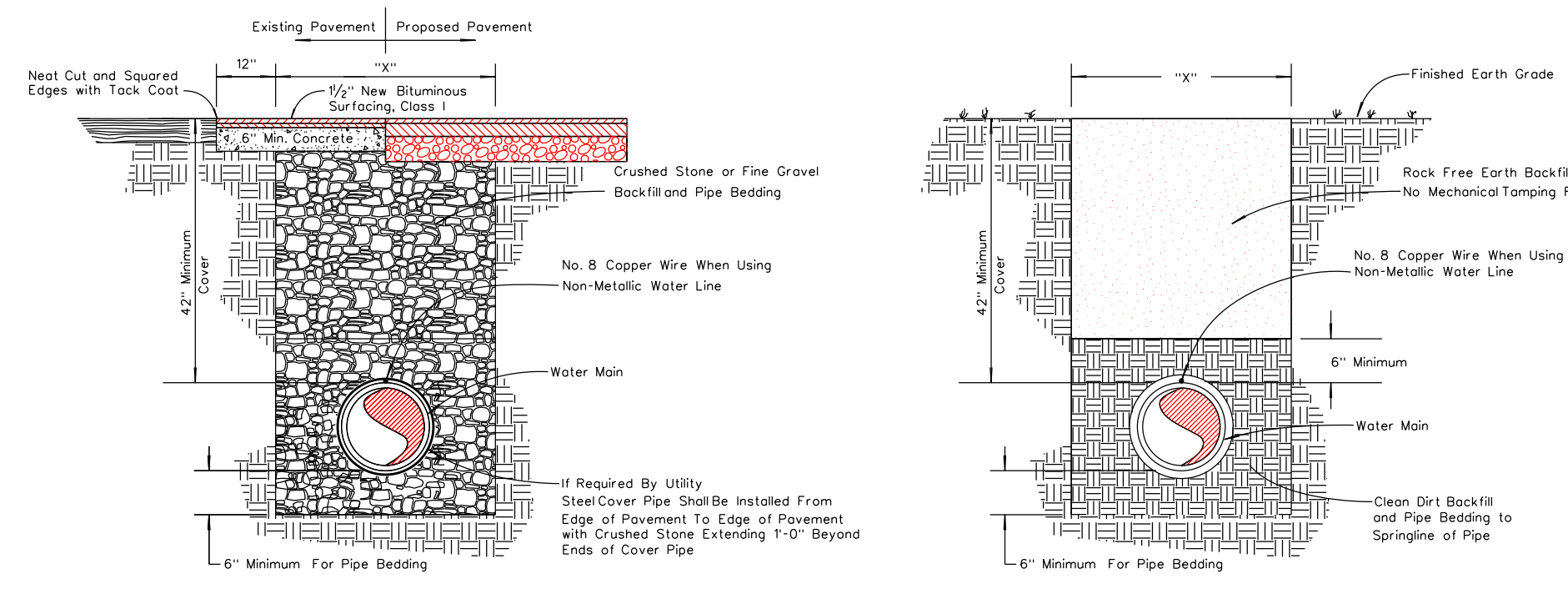
CLIENT:
MCKINNEY WATER DISTRICT
2900 MIDDLEBURG RD
MCKINNEY, KY 40448

P.O. BOX 204
165 FOSTER LANE
STANFORD, KY 40484
PHONE (606) 365-8362
FAX (606) 365-1097



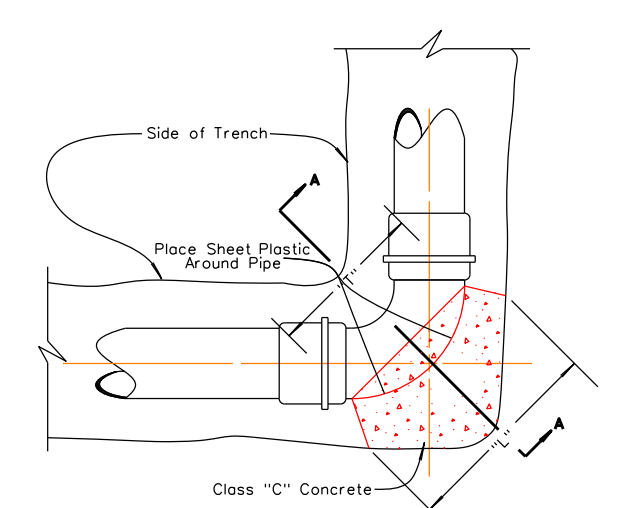
REVISION(S)

SHEET: 24 OF 27

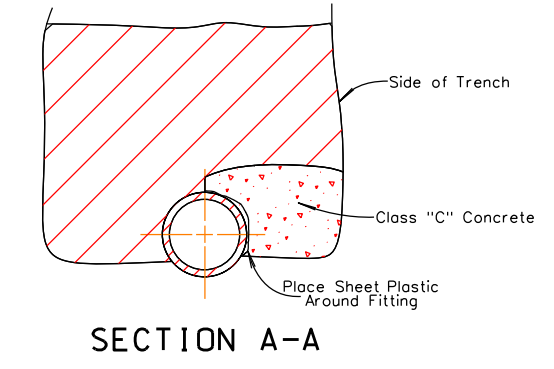


TYPICAL BACKFILL & BEDDING METHODS

TRENCH WIDTH	
PIPE SIZE	W
4" Thru 12"	30"
14" Thru 18"	36"
20" Thru 24"	42"
26" Thru 36"	54"



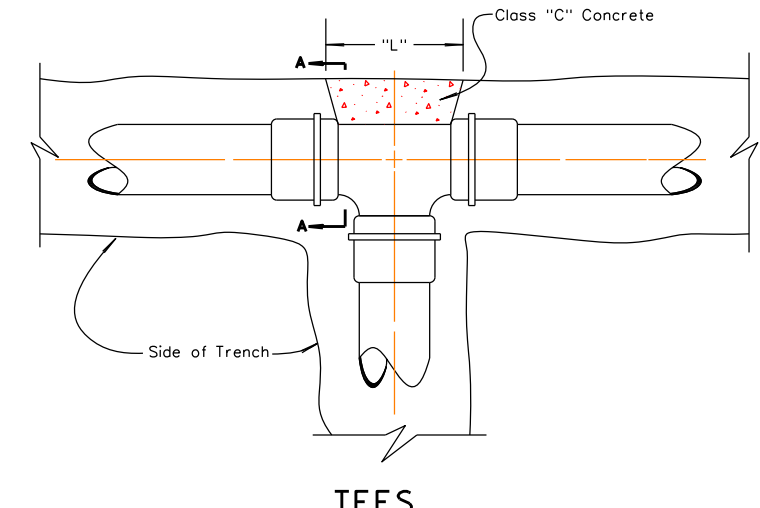
45° AND 90° BENDS



SECTION A-A

PLUGS

CONCRETE THRUST BLOCK



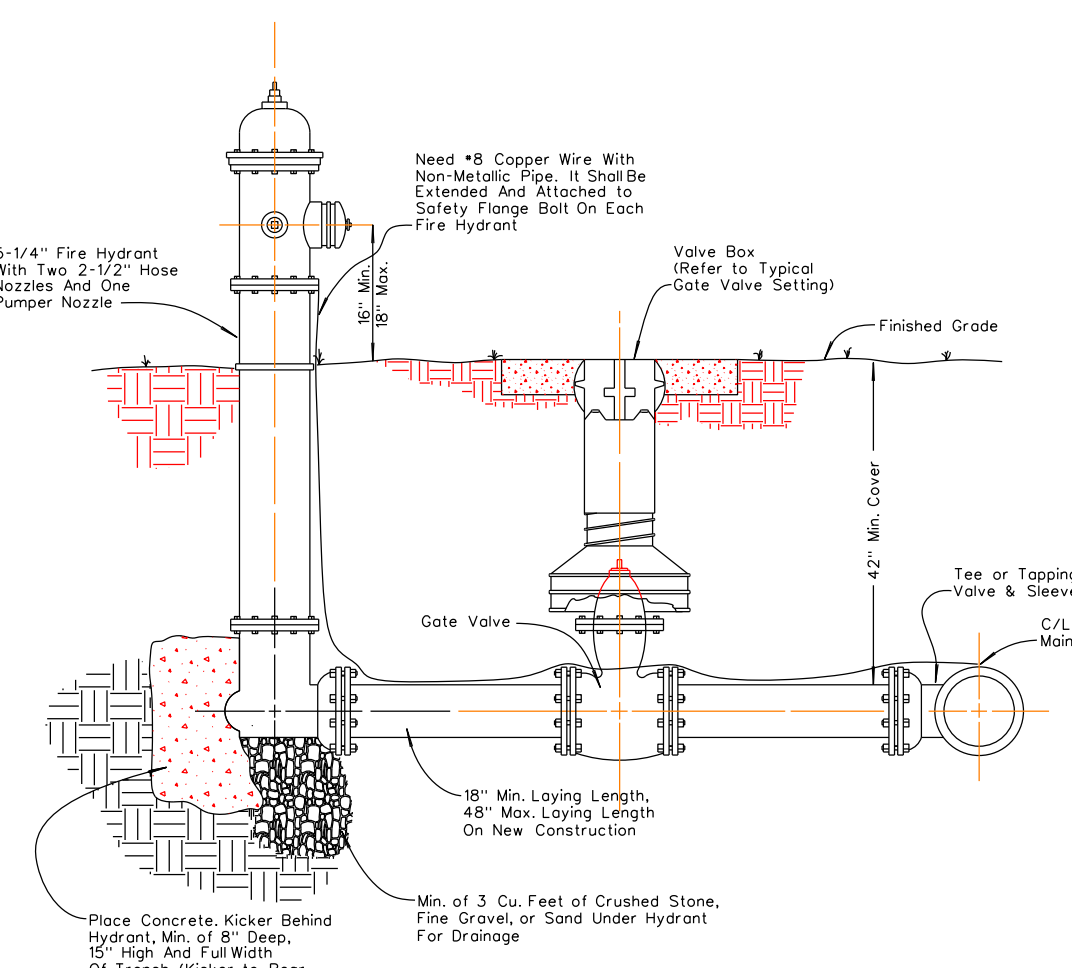
TEES

ALL FITTINGS DI MJ WITH GRIP RING ABOVE 100 PSI FOR PRESSURE ABOVE 100 PSI INCREASE BY 100%

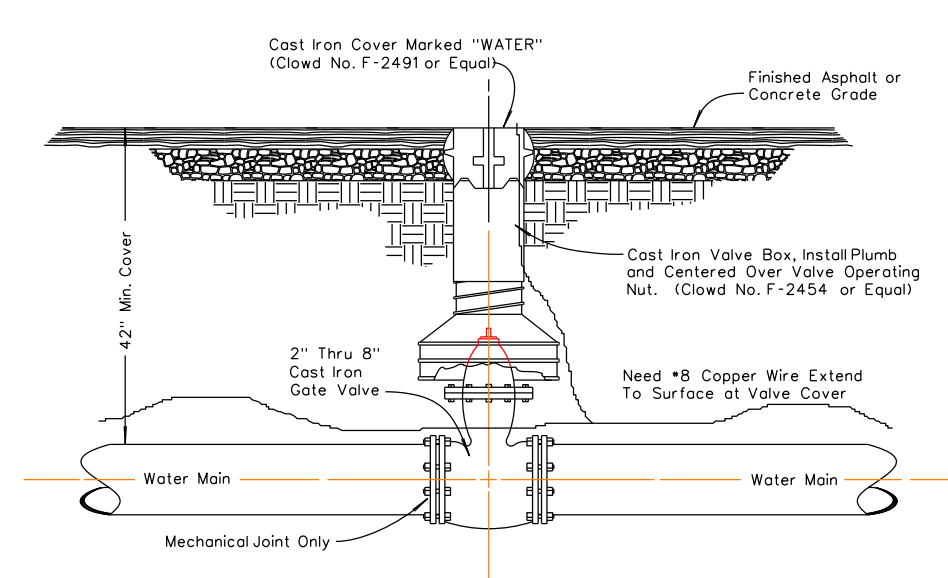
PLUGS AND TEES						
SIZE	2"	3"	4"	6"	8"	10"
D	6"	6"	6"	6"	6"	6"
L&W	14"	16"	18"	20"	22"	24"

(45°) EIGHTH BENDS						
SIZE	2"	3"	4"	6"	8"	10"
D	6"	6"	6"	6"	6"	6"
L	14"	16"	18"	20"	22"	24"
T	10"	12"	14"	16"	18"	18"

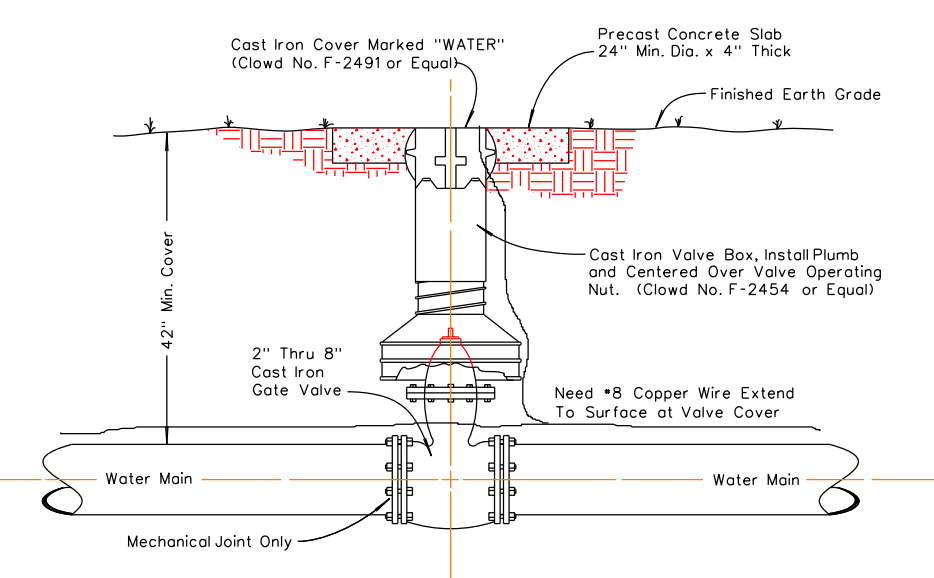
(90°) QUARTER BENDS						
SIZE	2"	3"	4"	6"	8"	10"
D	6"	6"	6"	6"	6"	6"
L	15"	18"	21"	24"	27"	30"
T	10"	12"	14"	16"	18"	20"



TYPICAL FLUSH HYDRANT SETTING

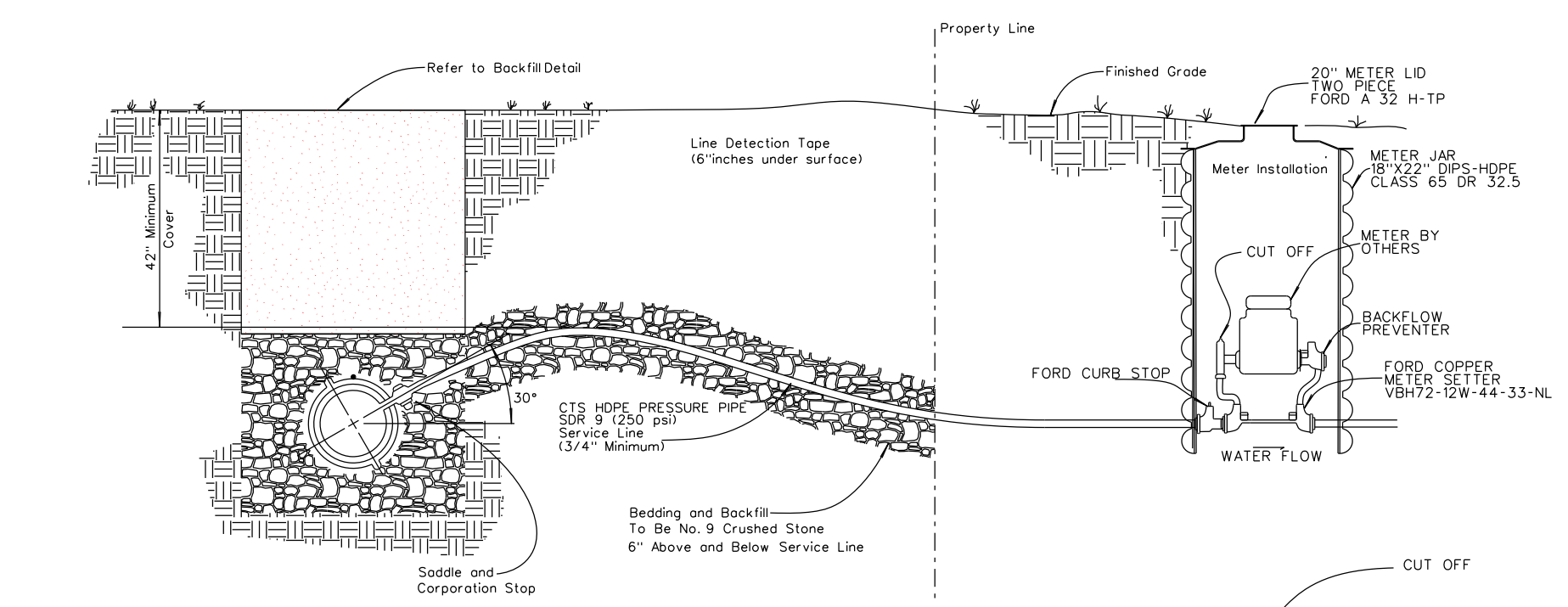


PAVED or CONCRETE AREAS

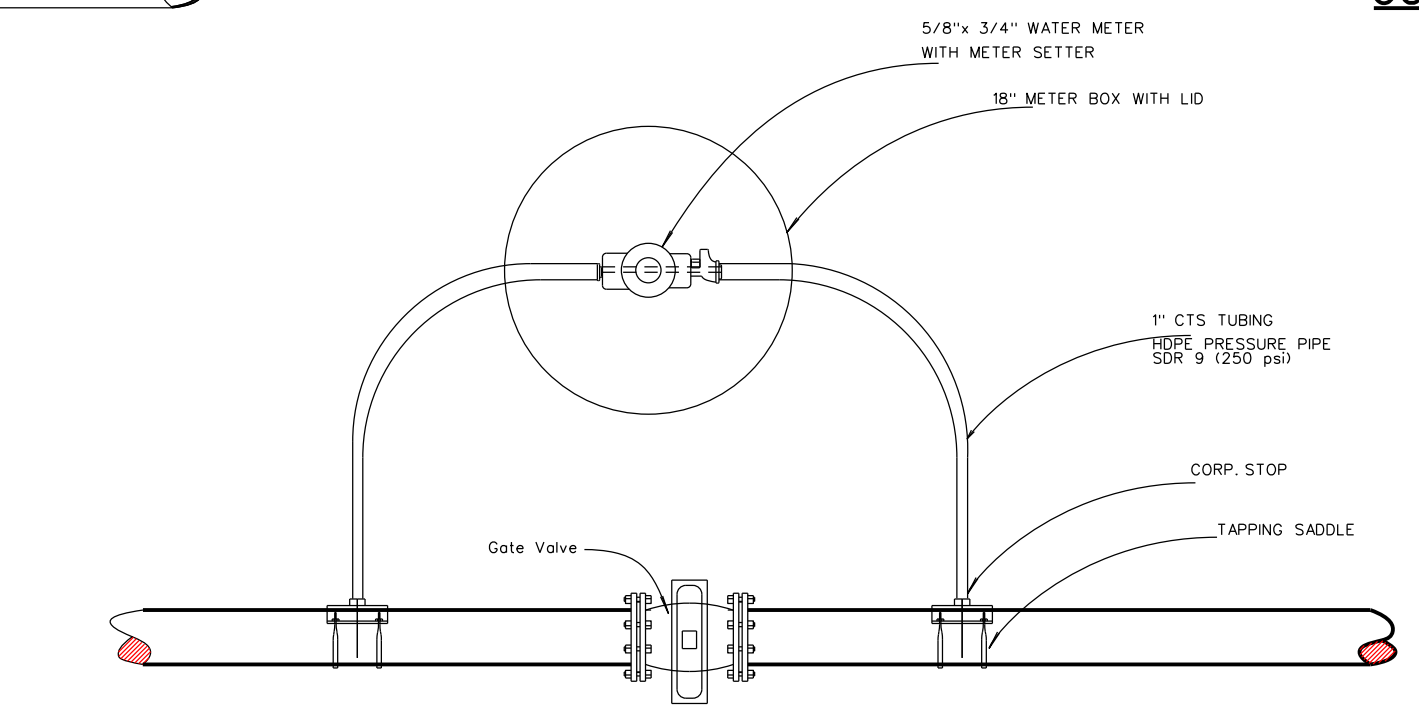


EARTH AREAS

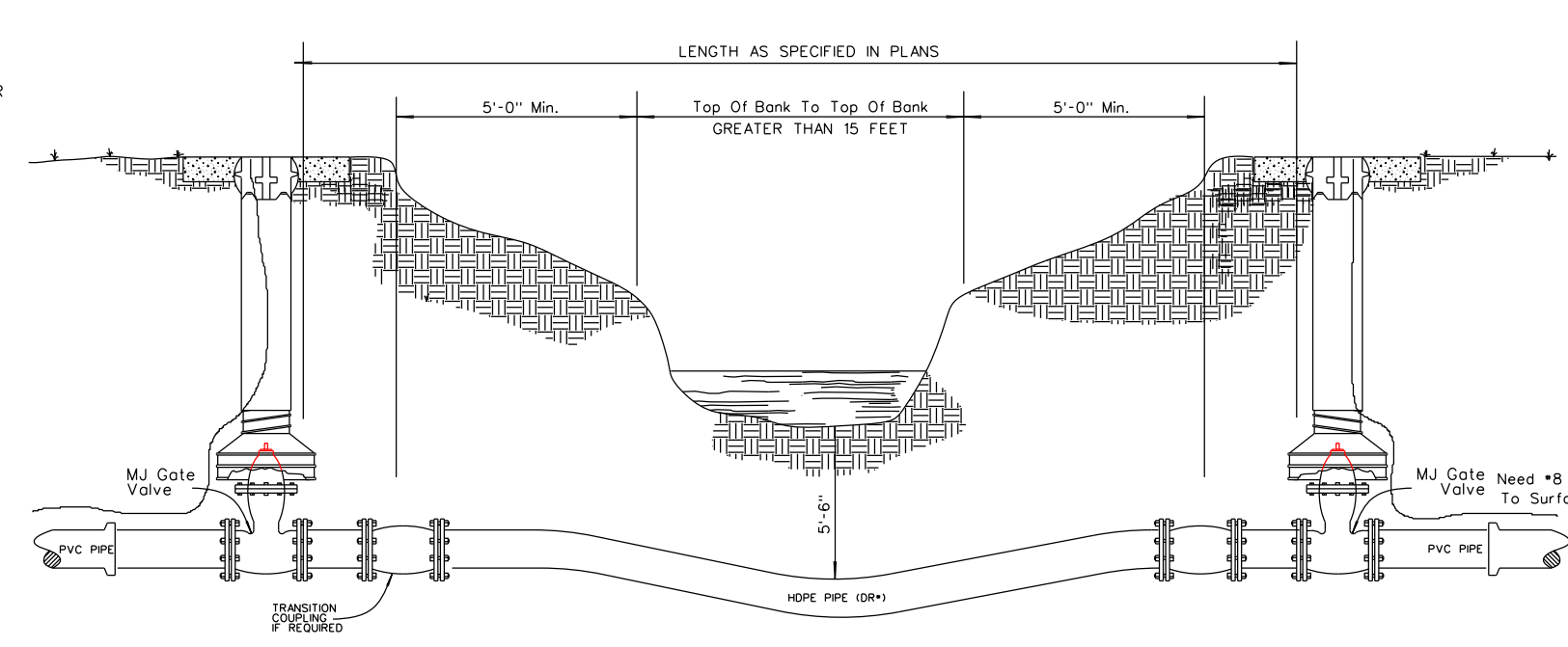
TYPICAL GATE VALVE SETTING



TYPICAL 3/4" 1" AND 2" SERVICE CONNECTION



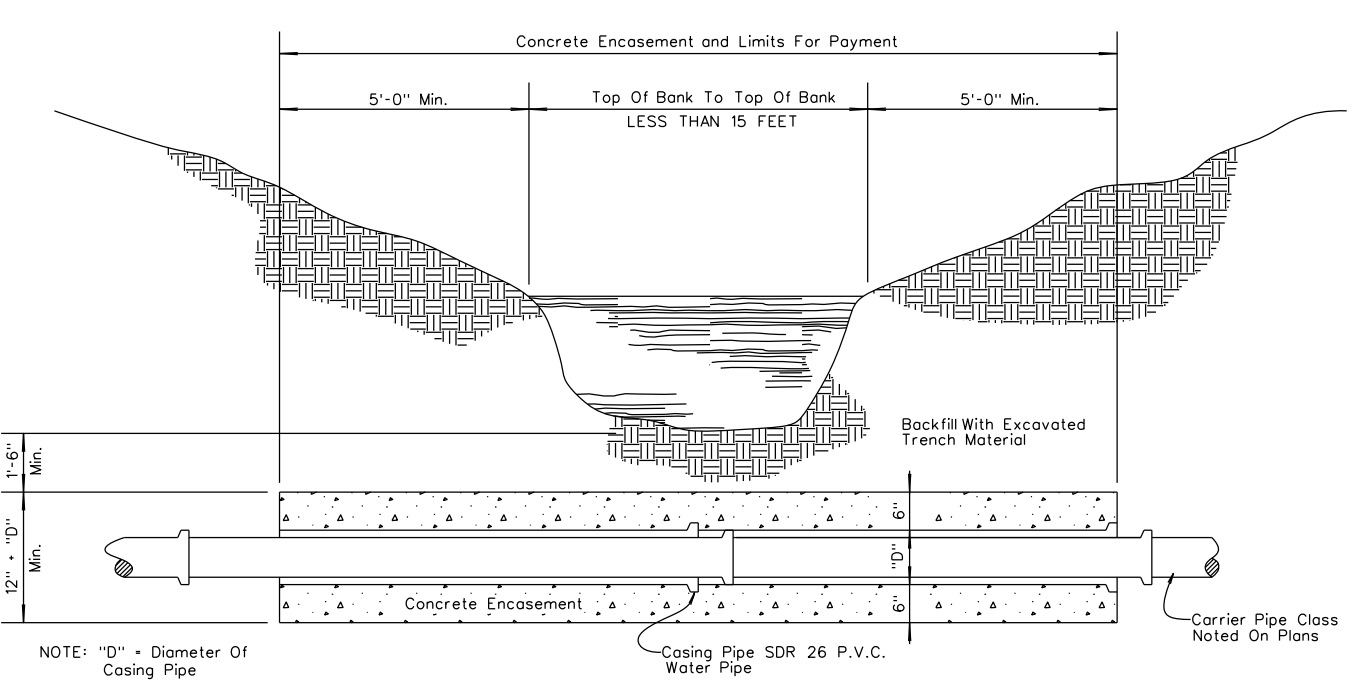
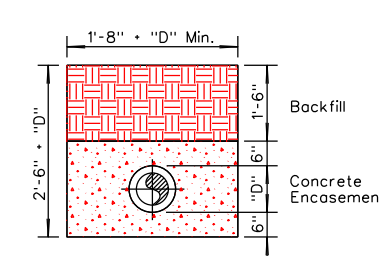
TEST METERS AT VALVES WHERE REQUIRED OR AT ALL TYPE II STREAM CROSSING



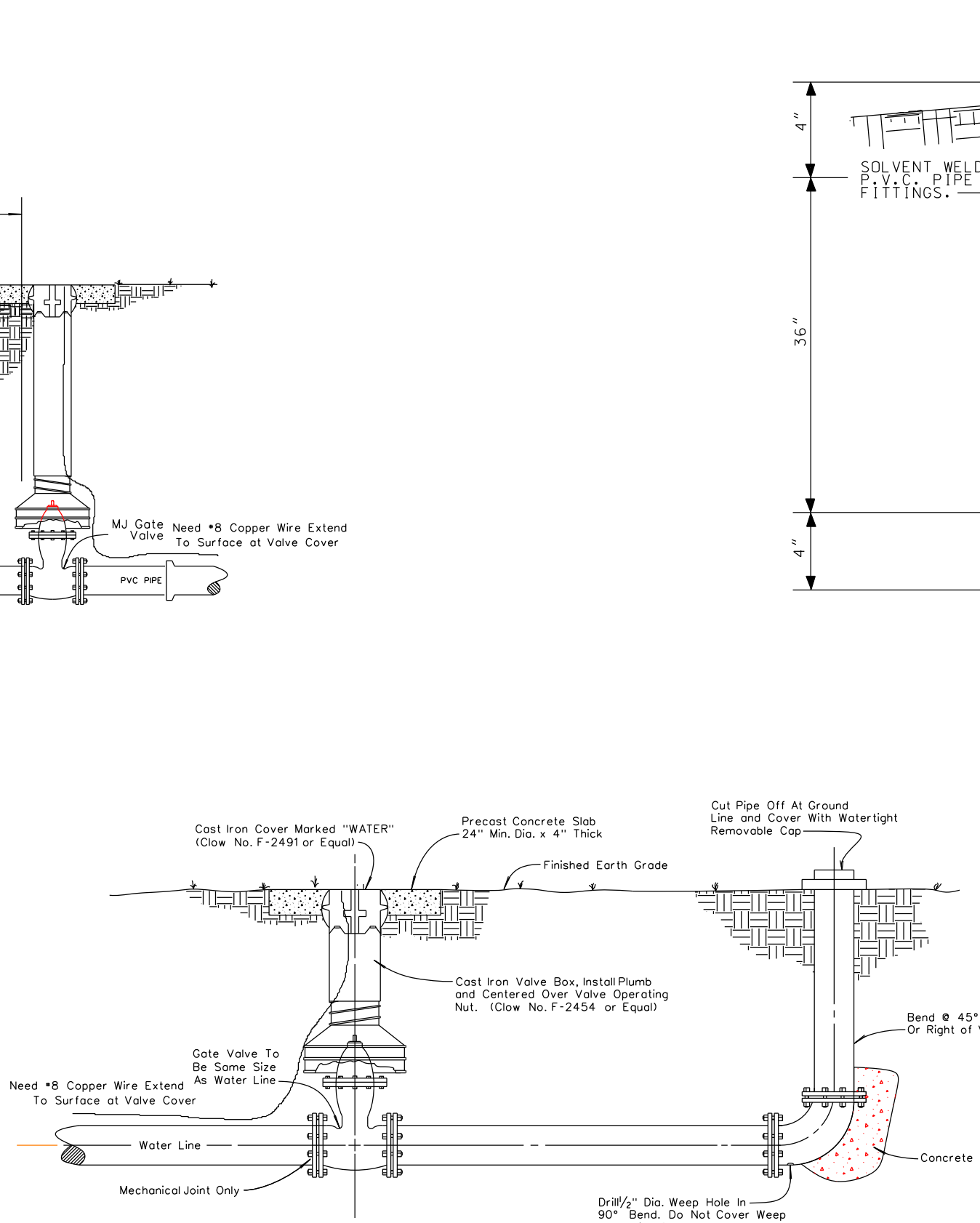
CLASS	PRESSURE PSI
DR 7.3	350
DR 9	250
DR 11	200

TYPE II STREAM CROSSING STREAM CROSSING BORE WITH HDPE WATERLINE

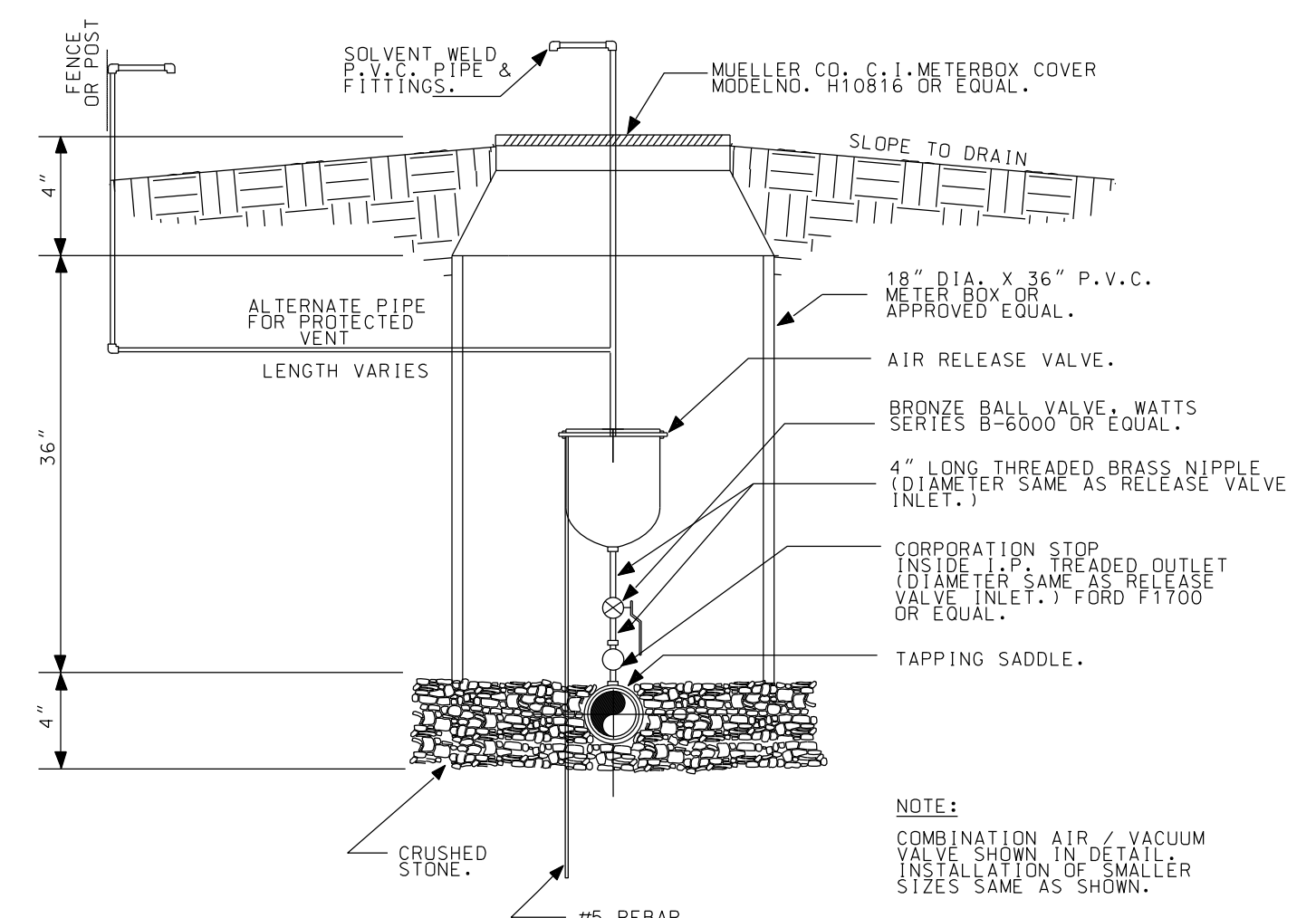
Dia of Carrier Pipe	Dia of Casing Pipe
3"	6"
4"	8"
6"	30"



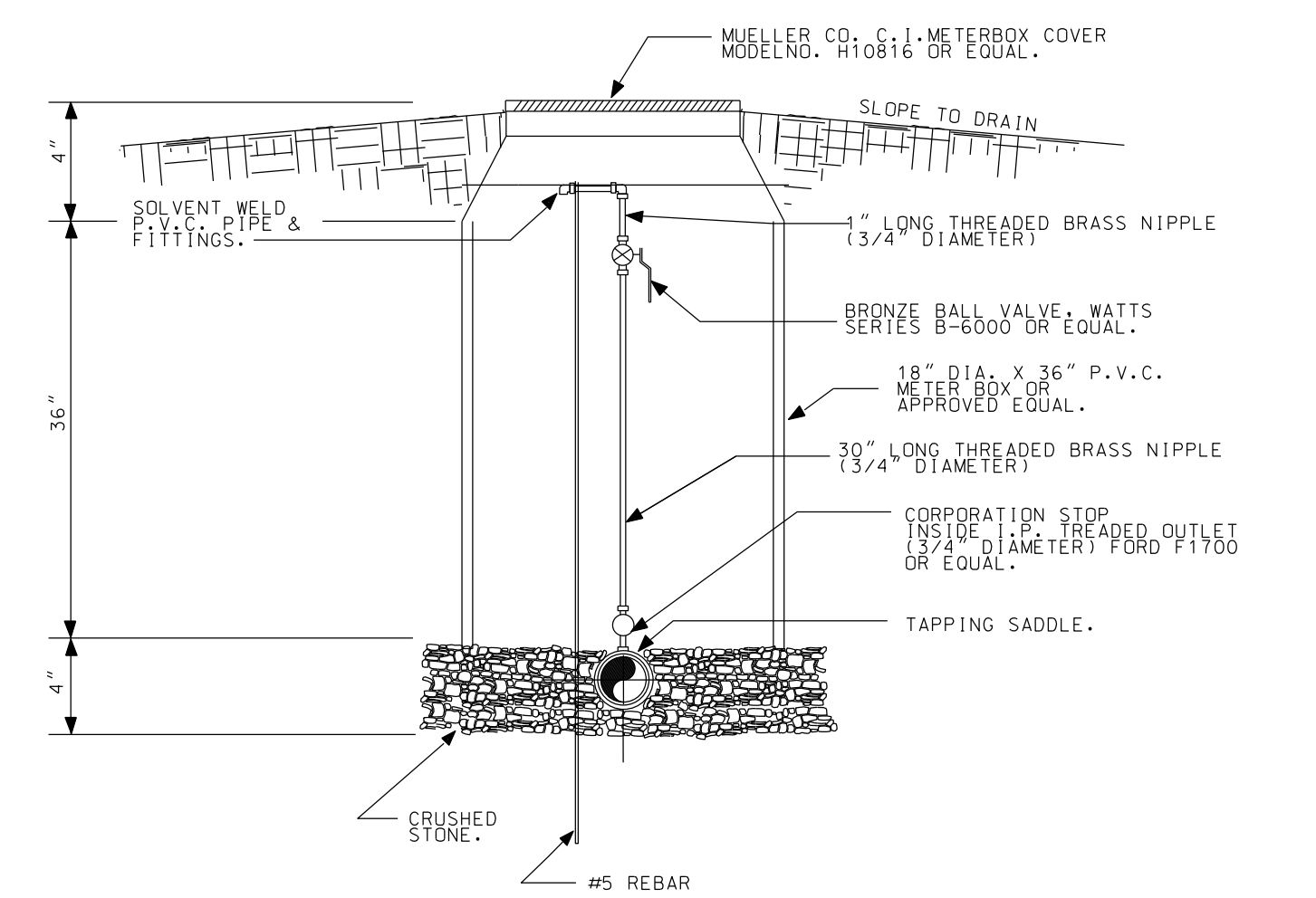
TYPE I STREAM CROSSING STREAM CROSSING ON P.V.C. WATERLINE



TYPICAL BLOW-OFF VALVE DETAIL (4" OR SMALLER)



AUTOMATIC LINE AIR RELEASE DETAIL



MANUAL AIR RELEASE DETAIL

DATE: 10/04/19
SCALE: 1" = 10'
DRAWN BY: M.S.
APPROVED BY: GOOCH
FILENAME: 1829SDANCON

WATER PROJECT
PHASE 1B CONTRACT 2
DETAILS
STANFORD, LINCOLN COUNTY, KENTUCKY

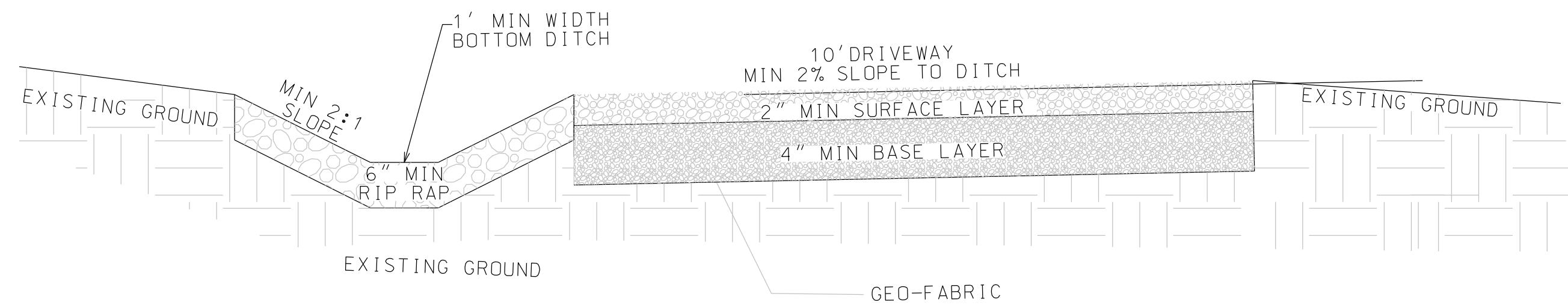
CLIENT: MCKINNEY WATER DISTRICT
2900 MIDDLEBURG RD
MCKINNEY, KY 40448

P.O. BOX 204
165 FOSTER LANE
STANFORD, KY 40464
PHONE (606) 365-8362
FAX (606) 365-1097



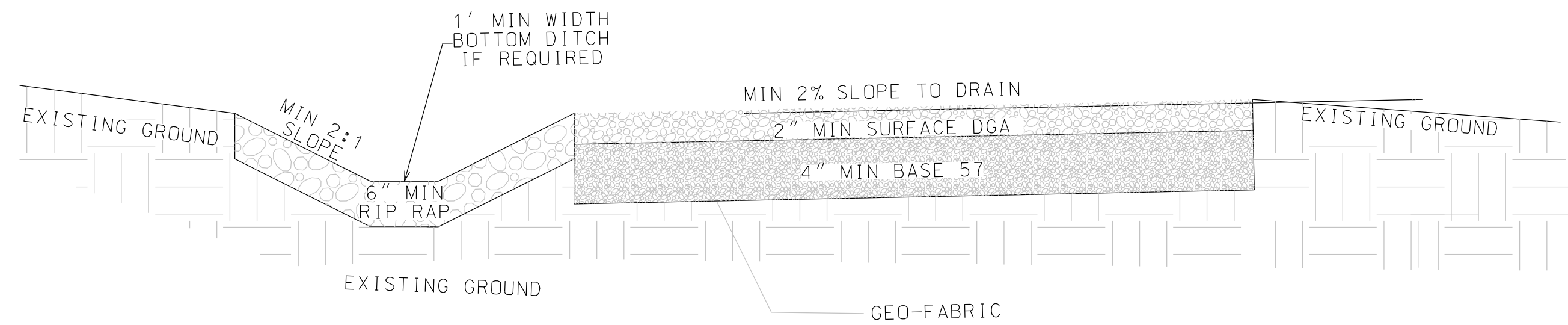
REVISION(S)

SHEET: 25 OF 27



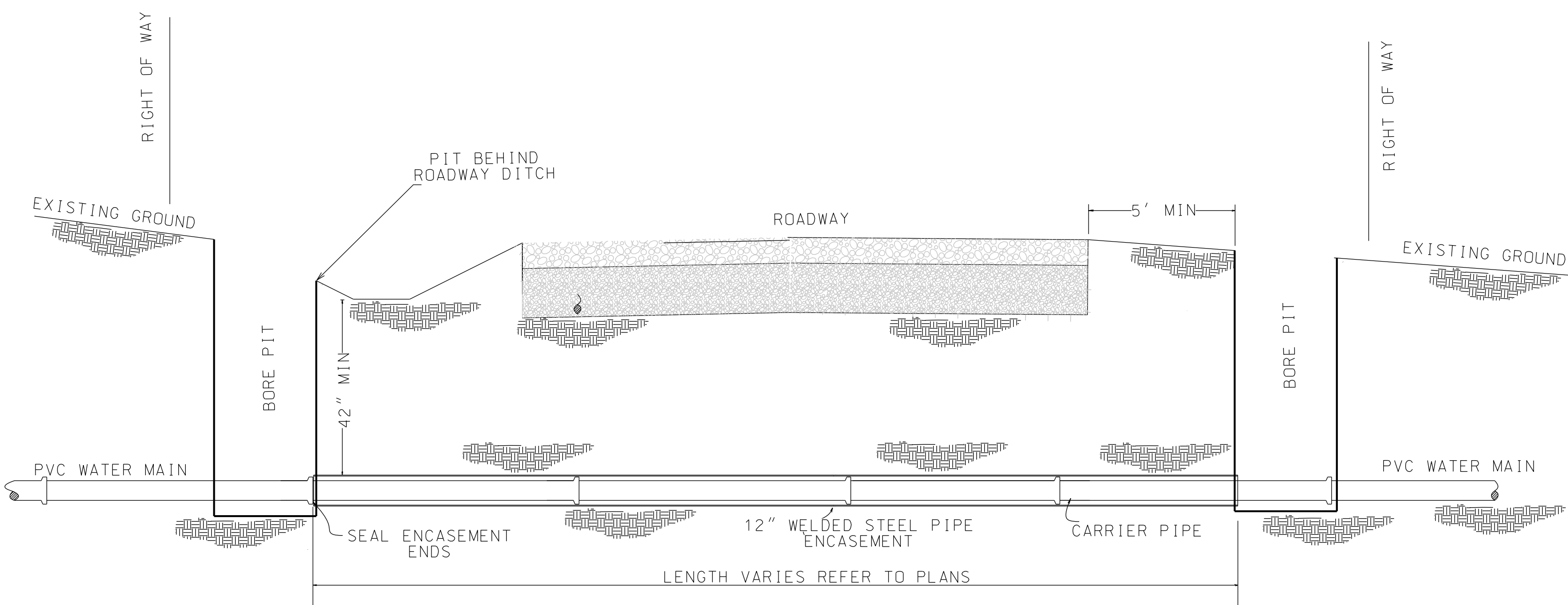
CONTACT ENGINEER FOR FIELD VERIFICATION OF SOIL CONDITIONS FOR ROCK CLASSIFICATION OF BASE LAYER AND SURFACE LAYER

TYPICAL SECTION FOR DRIVEWAY CONSTRUCTION WITH DITCH

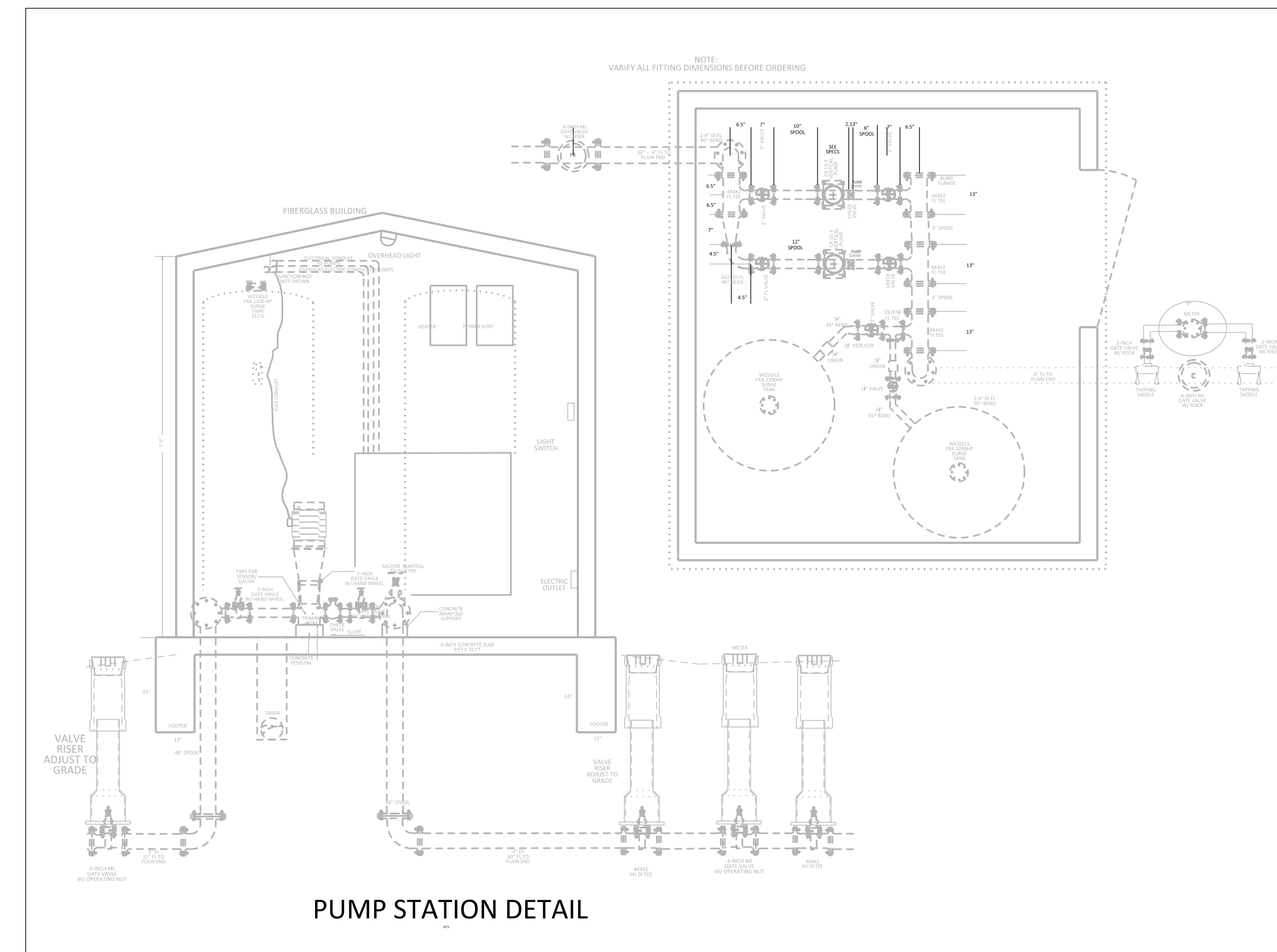


CONTACT ENGINEER FOR FIELD VERIFICATION OF SOIL CONDITIONS

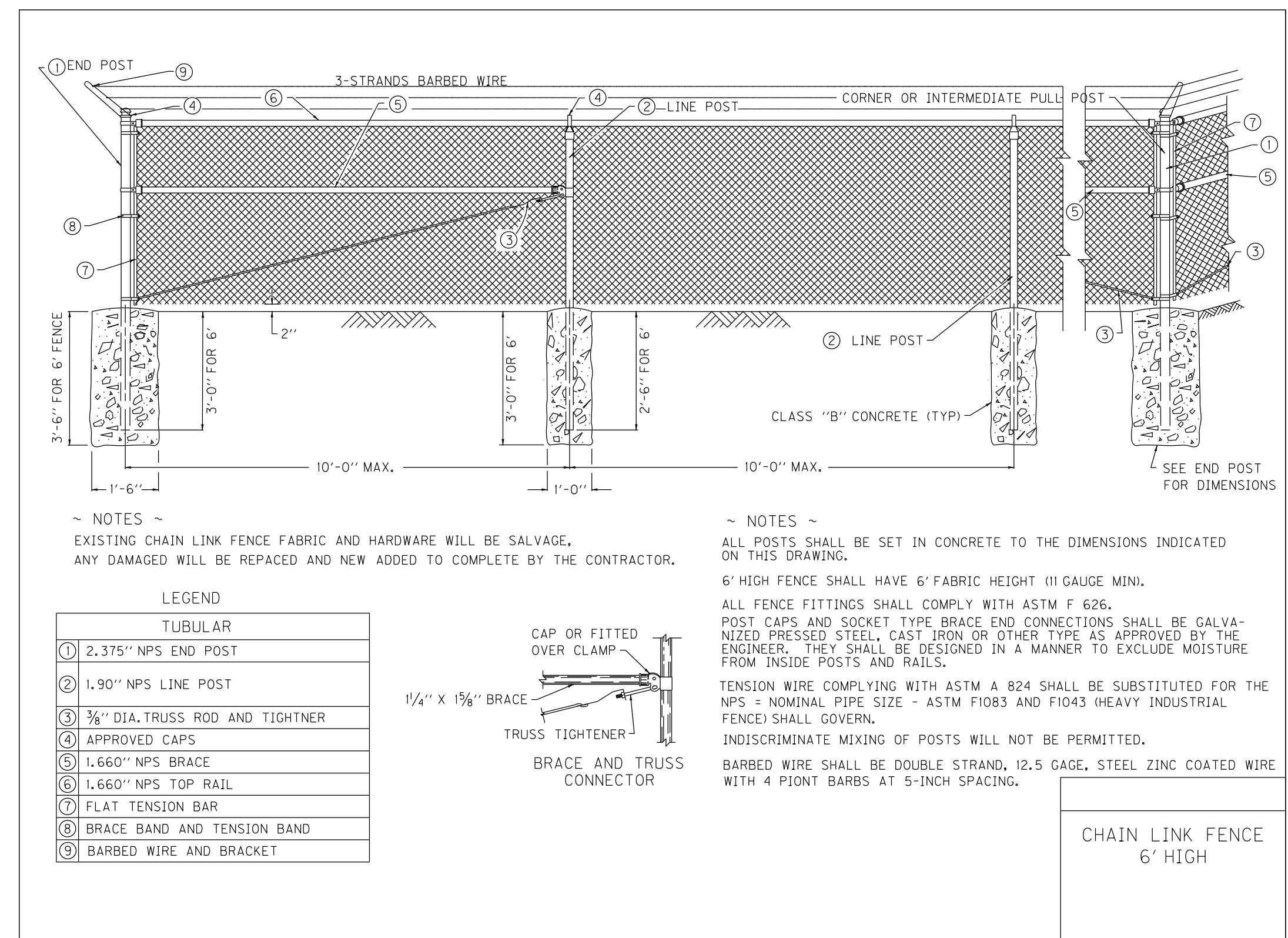
TYPICAL SECTION FOR PARKING CONSTRUCTION



TYPICAL SECTION FOR HIGHWAY BORE



PUMP STATION DETAIL



NOTES - EXISTING CHAIN LINK FENCE FABRIC AND HARDWARE WILL BE SALVAGE, ANY DAMAGED WILL BE REPAVED AND NEW ADDED TO COMPLETE BY THE CONTRACTOR.

NOTES - ALL POSTS SHALL BE SET IN CONCRETE TO THE DIMENSIONS INDICATED ON THIS DRAWING. 6' HIGH FENCE SHALL HAVE 6' FABRIC HEIGHT (11 GAUGE MIN). ALL FENCE FITTINGS SHALL COMPLY WITH ASTM F 625. POST CAPS AND SOCKET TYPE BRACE END CONNECTIONS SHALL BE GALVANIZED PRESSED STEEL, CAST IRON OR OTHER TYPE AS APPROVED BY THE ENGINEER. THEY SHALL BE DESIGNED IN A MANNER TO EXCLUDE MOISTURE FROM INSIDE POSTS AND RAILS. TENSION WIRE COMPLYING WITH ASTM A 824 SHALL BE SUBSTITUTED FOR THE NPS - NOMINAL PIPE SIZE - ASTM F1083 AND F1043 (HEAVY INDUSTRIAL FENCE) SHALL GOVERN. INDISCRIMINATE MIXING OF POSTS WILL NOT BE PERMITTED. BARBED WIRE SHALL BE DOUBLE STRAND, 12.5 GAUGE, STEEL ZINC COATED WIRE WITH 4 POINT BARBS AT 5-INCH SPACING.

CHAIN LINK FENCE 6' HIGH

DATE: 10/04/19
SCALE: 1" = 10'
DRAWN BY: M.S.
APPROVED BY: GOOCH
FILENAME: 18298DANCON

WATER PROJECT
PHASE 1B CONTRACT 2
DETAIL
STANFORD, LINCOLN COUNTY, KENTUCKY

CLIENT:
McKINNEY WATER DISTRICT
2900 MIDDLEBURG RD
McKINNEY, KY 40448

P.O. BOX 204
165 FOSTER LANE
STANFORD, KY 40464
PHONE (606) 365-8362
FAX (606) 365-1097



REVISION(S)

SOIL EROSION CONTROL SEQUENCE

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTROL EROSION FROM THIS SITE DURING ITS PHYSICAL ALTERATION. THIS PLAN SEEKS TO PROVIDE SOME DIRECTION IN THE MANNER IN WHICH THE OBJECTIVE TO CONTROL EROSION CAN BE ACCOMPLISHED. IT IS NOT THE INTENT OF AGE ENGINEERING TO LIMIT THE CONTRACTOR IN THE MANNER AND TECHNIQUES TO CONTROL EROSION. RECOMMENDED RESOURCE FOR CONTRACTORS WORK IS "STORMWATER MANAGEMENT FOR CONSTRUCTION ACTIVITIES-DEVELOPING POLLUTION PREVENTION PLANS AND BEST MANAGEMENT PRACTICES" PUBLISHED BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY.

THE FOLLOWING IS A LIST, IN SEQUENCE, OF CONSTRUCTION ACTIVITIES TO CONTROL SOIL EROSION FOR THE PROJECT:

1) 50" OF NO.2 STONE SHALL BE INSTALLED AT THE ACCESS LOCATION. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS FREE FROM MUD, DIRT, DEBRIS, AND ROCK. DUST SHALL BE KEPT TO A MINIMUM BY UTILIZING SPRINKLING, CALCIUM CHLORIDE, VEGETATIVE COVER, SPRAY ON ADHESIVES OR OTHER APPROVED METHODS.

2) INSTALL SILT FENCE, DIVERSION DITCHES, AND SILT TRAPS AS NEEDED ACCORDING TO THE "BEST MANAGEMENT PRACTICES".

3) PRELIMINARY GRADING OF THE SITE SHALL BEGIN AS AREAS OF THE SITE ARE BROUGHT TO DESIGN GRADES, EROSION CONTROL MEASURES SUCH AS DIVERSION DITCHES, SILT TRAPS, STRAW BALES, RIPRAP CHANNEL LINING, AND SILT FENCE SHALL BE INSTALLED IN ACCORDANCE WITH "BEST MANAGEMENT PRACTICES".

4) CLEAR AND GRUB THE SITE AND DISPOSE OF ALL DEBRIS PROPERLY. IF AN AREA THAT HAS BEEN DISTURBED IS TO BE INACTIVE FOR MORE THAN 21 DAYS, THE CONTRACTOR SHALL SUPPLY STABILIZATION BY MEANS OF TEMPORARY SEEDING AND MULCHING, SODDING, COVERING OR OTHER EQUIVALENT EROSION CONTROL MEASURES AS SOON AS PRACTICAL. IN NO CASE SHALL AN AREA REMAIN UNTREATED FOR MORE THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED. FOR TEMPORARY SEEDING THE CONTRACTOR SHALL UTILIZE A FAST GROWING SEED OF EITHER OATS, ANNUAL RYE GRASS OR WHEAT DEPENDING ON TIME OF YEAR.

5) STOCKPILED MATERIALS SHOULD BE PROPERLY STABILIZED WITH TEMPORARY SEEDING AND EROSION CONTROL FENCE.

6) MAINTAIN ALL FILTERS AND TRAPS DURING CONSTRUCTION TO PREVENT ANY BLOCKAGES FROM ACCUMULATED SEDIMENT. AFTER EVERY RAIN IN EXCESS OF HALF AN INCH, SILT CONTROL DEVICES ARE TO BE INSPECTED CLEANED AND REPAIRED IF NECESSARY. SILT FENCE MUST BE CLEANED IF SILT BUILDUP REACHES 1/3 OF THE SILT FENCE HEIGHT. SILT TRAPS SHALL BE CLEANED WHEN SILT DEPOSITS REACH 1/2 OF TRAP CAPACITY. ADDITIONAL SEEDING, SILT FENCE, AND/OR STRAW BALES MAY BE REQUIRED DURING CONSTRUCTION AS SPECIFIED BY THE ENGINEER.

7) ALL SURFACE INLETS AND CURB INLETS SHALL BE PROTECTED WITH INTERWOVEN STONE BAGS.

8) WHEN DISTURBED AREAS ARE AT FINAL GRADE AND ALL ACTIVITY IN THESE AREAS IS COMPLETE, PERMANENT VEGETATION SHALL BE PROVIDED AS DESCRIBED IN THE PLANS AND SPECIFICATIONS. THIS VEGETATION IS TO INCLUDE PERENNIAL GRASSES APPROVED BY THE DEVELOPER. SLOPES EXCEEDING 4:1 SHALL HAVE THE ADDITIONAL PROTECTION OF MULCHING OR SODDING TO PREVENT EROSION. SEEDING OF ALL PERMANENT VEGETATION SHALL FOLLOW GUIDELINES SET FORTH IN "KENTUCKY BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES" PUBLISHED BY THE DIVISION OF CONSERVATION AND DIVISION OF WATER, NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET.

9) UNLESS OTHERWISE NOTED, CONTRACTOR SHALL MAINTAIN ALL TEMPORARY EROSION CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PHASE OF THIS PROJECT AND REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS ONLY WHEN THERE IS A SUFFICIENT GROWTH OF GROUND COVERAGE TO PREVENT FURTHER EROSION.

PERMIT REQUIREMENTS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A GRADING PERMIT FROM THE LOCAL GOVERNMENT PRIOR TO ANY CONSTRUCTION ACTIVITY.

PRIOR TO COMMENCING WITH CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL REQUIRED PERMITS INCLUDING SUBMISSION IN WRITING OF A NOTICE OF INTENT (NOI) TO DISTURB WITH THE KENTUCKY DIVISION OF WATER.

WHERE REFERRED TO IN THE PLANS AND SPECIFICATIONS AS CONTRACTOR/OWNER RESPONSIBILITY, IT IS THE CONTRACTOR'S OBLIGATION TO ACT ON THE OWNER'S BEHALF IN FULFILLING ALL REQUIREMENTS FOR COMPLIANCE WITH PERMIT AND EROSION CONTROL.

GENERAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SOIL AND EROSION CONTROL AND DUST CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PERIOD TO PREVENT EROSION OF SOIL AND ENTRY OF SOIL-BEARING WATER AND AIRBORNE DUST ON ADJACENT PROPERTIES AND INTO THE PUBLIC STORM WATER FACILITIES. SEE EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) NOTES THIS SHEET FOR ADDITIONAL INFORMATION

2. EXCAVATION AND DISPOSAL OF EXISTING SOIL OR UNSUITABLE MATERIAL SHALL BE DONE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS, CODES, AND ENVIRONMENTAL REGULATIONS.

3. MAINTAIN SITE SECURITY AND SAFETY STANDARDS THROUGHOUT CONSTRUCTION.

4. ALL DISTURBED AREAS OUTSIDE OF HARD CAP AREAS SHALL BE SEEDED AND STRAWED AT A RATE OF 3LBS. PER 1000 SQ. FT. WITH A MIXTURE OF 50% FESCUE, 25% KY BLUEGRASS, AND 25% WHEAT (OR APPROVED EQUAL), UNLESS OTHERWISE INDICATED ON PLAN. AMEND SOIL TO PROMOTE HEALTHY GRASS GROWTH. TEST SOIL TO DETERMINE PROPER SOIL AMENDMENTS. SOIL TEST TO BE PERFORMED BY PROPERTY TESTING AGENCY. ALL EROSION CONTROL AND SEDIMENT PREVENTION MEASURES SHALL BE IN ACCORDANCE WITH THE PLANS AND ANY LOCAL REGULATIONS AND ORDINANCES.

UTILITY NOTES:

1. BEFORE PROCEEDING WITH THE WORK, THE CONTRACTOR SHALL CONFER WITH ALL PUBLIC OR PRIVATE COMPANIES, AGENCIES, OR DEPARTMENTS THAT OWN AND OPERATE UTILITIES IN THE VICINITY OF THE CONSTRUCTION.

CONTRACTOR SHALL BE RESPONSIBLE FOR:

- A. CONTACTING THE INDIVIDUAL UTILITY OWNERS TEN DAYS PRIOR TO CONSTRUCTION, ADVISING THEM OF THE WORK TO TAKE PLACE.
- B. SOLICITING THEIR AID IN LOCATING AND PROTECTING ANY UTILITY WHICH MAY INTERFERE WITH CONSTRUCTION.
- C. EXCAVATING AND VERIFYING THE HORIZONTAL AND VERTICAL LOCATION OF EACH UTILITY.
- D. ANY DAMAGE TO ANY EXISTING UTILITY.

2. EXCAVATE WITH EXTREME CAUTION TO AVOID DISTURBING UNDERGROUND UTILITIES THAT ARE TO REMAIN IN SERVICE. REPORT ANY CONFLICTS TO THE ENGINEER IMMEDIATELY.

GENERAL NOTES: (CONTINUED)

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIREMENTS OF THE BUY AMERICAN IRON AND STEEL AND THE BUILD AMERICAN ACTS. THE CONTRACT WILL REQUIRE CERTIFICATION OF ALL SIGNIFICANT IRON OR STEEL PRODUCTS USED IN THESE CONTRACTS. THIS WILL INCLUDE CERTIFICATIONS BY THE MANUFACTURES, SUPPLIERS AND CONTRACTORS FOR THESE PROJECTS. IN ADDITION ALL MATERIALS USE IN THE CONSTRUCTION OF THIS PROJECT WILL MEET THE BUILD AMERICAN ACT REQUIREMENTS.

6. THE CONTRACTOR WILL BE RESPONSIBLE FOR SUPPLYING THE NECESSARY EQUIPMENT TO PROVIDE FOR THE REMOVAL OF ALL TRENCH EXCAVATION FROM UNDER ASPHALT AND CONCRETE PAVEMENTS. NO EXCAVATION MATERIALS FROM UNDER PAVEMENT WILL BE ALLOWED TO BE PLACED ON THE GROUND, IT SHALL BE LOADED INTO TRUCK FOR REMOVAL AT THE TIME OF EXCAVATION. EXCAVATION WILL CEASE UNTIL THE PROPER REMOVAL EQUIPMENT IS AVAILABLE TO THE PROJECT SIGHT.

7. FOR ALL WATER SERVICE LINES THE CONTRACTOR WILL BE REQUIRED TO MEET DIVISION OF WATER, STATE PLUMING CODE, AND MCKINNEY WATER DISTRICT REQUIREMENTS.

8. ASPHALT AND CONCRETE PAVEMENTS MUST BE STONE BACK FILLED FOR THE FULL DEPTH OF TRENCH. GRAVEL DRIVEWAYS MAY BE BACK FILLED WITH EARTH EXCEPT FOR TOP 12-INCHES OF STONE AND PIPE BEDDING.

9. ASPHALT AND CONCRETE PAVEMENTS NOT SAW CUT WILL NOT BE ELIGIBLE FOR PAYMENT FOR REPAIR. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO PAVEMENTS NOT SCHEDULED FOR REMOVAL (SEE CONSTRUCTION NOTES ON PLANS FOR QUANTITIES).

UTILITY AND STREET OWNER INFORMATION

- | | | |
|---|--|---|
| 1. CITY OF HUSTONVILLE WATER
CITY HALL LIBERTY STREET
HUSTONVILLE, KY
606-346-2501 | 4. KENTUCKY UTILITIES
BOARDWAY
DANVILLE, KY
859-936-3240
GUS FAITHE | 7. INTER COUNTY RECC
1009 HUSTONVILLE RD
DANVILLE, KY
(859) 236-4561 |
| 2. ATMOS GAS COMPANY
WHIRLAWAY DRIVE
DANVILLE, KY
859-236-2300
EARL TAYLOR | 5. LINCOLN COUNTY ROAD DEPT
S US 27
STANFORD, KY
859-749-0428
JEREMY VANHOOK | 8. CITY OF DANVILLE
P O BOX 670
445 W MAIN STREET
DANVILLE, KY
(859) 238-1200 |
| 3. BELL SOUTH TELEPHONE
DAVID DRIVE
DANVILLE, KY
859-936
JUDY STANLEY | 6. TIME WARNER CABLE
SKYLINE DRIVE
STANFORD, KY
606-365-8505 | |

UNIT PRICE DESCRIPTIONS

- 1) Contractor to furnish all signs required by DOT (see details).
- 2) Telemetry: Units - Lump Sum; To include all electronics, equipment, cabinets, conduit, wiring, control systems, to allow communications and operations. The tank telemetry will be coordinated with the City of Danville Pumping station install.
- 3) PVC Water Main: Units - Per Linear Feet; To include excavation, pipe, fittings, back fill rock free earth or (gravel for bedding if required and back fill as required under pavement).
- 4) Roadway, Driveway Bores: Units - Per Linear Feet by size; To include excavations and back filling, boring either conventional or directional, encasement pipe, carrier pipe spacers, seals, and other items required for completion. (excluding carrier pipe if required)
- 5) Master Meter ; To include factory tees, fittings, excavations and back filling, gravel and other items required for completion. Piping meter setters, valves, meter vault and meter lid to meet McKinney and the City of Danville requirements.
- 6) Street/Driveway Bore: Units - Units Linear Feet; No encasement to include excavations and back filling, boring either conventional or directional, and other items required for completion.
- 7) Customer Service taps: Units Each; To include factory tees, fittings, excavations and back filling, gravel and other items required for completion. Piping meter setters, meter pit and meter lid to meet McKinney requirements.
- 8) Asphalt Repair and Stone Back fill: Units - Units Square Feet; To include saw cutting of asphalt pavement, the stone back fill above the pipe bedding and around manholes, asphalt and or concrete to match existing. To be paid by the square foot and measured by actual constructed but not to exceed the width of the ditch equal to the depth of the trench as quantity shown on plans. Repair will not be eligible for payment if not saw cut before excavation.
- 9) Concrete Repair and Stone Back fill: Units - Square Feet; To include saw cutting of concrete pavement the stone back fill above the pipe bedding, asphalt and or concrete to match existing. To be paid by the square foot and measured by actual constructed but not to exceed the width of the ditch equal to the depth of the trench. Repair will not be eligible for payment if not saw cut before excavation.
- 10) Fence Repair: Units - Units Linear Feet; To include the repair of the fence removed or damaged during construction. Fence damaged beyond repair will be replaced based on the unit price by the contractor. Fence length will not exceed that which is on the permanent easement or street/road right of way. Fence damaged outside this area will not be considered for payment.
- 11) Pressure reducers: Unit each; To include the pressure reducer equipment, all piping, valves, vault/box, taps, tees, setters, meters, and other fittings that may be required to make the unit operational. In units where only the pressure reducer is added the entire meter installation will be replaced as above.
- 12) Water meter Reconnection: Unit Each; To include taps, curb stop, piping, excavations, back filling, fittings, and any other parts to reconnect a water meter customer to the new water main.
- 13) Cut and cap water main: Unit Each; To include excavation, back filling, fittings, pipe, concrete, blocking and other supplies to terminate a water main.

- 14) Culvert Removal and Replacement: Units - Linear Feet; To include the removal and reinstalled existing culvert pipe. Pipe damaged during removal will be replaced at contractor expense.
- 15) Culvert Replacement new: Units - Linear Feet; To include installing new culvert pipe too old or deteriorated to be reinstalled, or new pipe placed where needed.
- 16) Clear and Grub: Units -Lump Sum; To include vegetation removal of all growth stumps and roots to be disposed in approved qualified location. In areas indicated on the plans vegetation will be removed and stockpiled on site as directed by the engineer.
- 17) Resilient Wedge Gate Valve: Units - Each; To include mechanical joint wedge valve with all fittings required.
- 18) Seed and Straw: Units - Acre; to include finished cleanup, rock removal, debris removal, top soil preparation, seeding, and straw as required. Seed selection will be to match the grass existing in the yards/fields disturbed. Payment based on easement and right of way disturbed. Areas out of easment will be the responsibility of the contractor.
- 19) Rough dressing trench/Cleanup. Payment will require removal of excess materials, debris, soil, rock and vegetation. This includes remove of excess excavation materials and placement of top soil salvaged during excavation and mounded on trench to allow settlement. Payment will be withheld on any section of mainline pipe not complete to the satisfaction of the Engineer.
- 19) Utility Service Connection: Unit Each; to include all fitting and pipe necessary to connect a utility service from an abandoned line to a new utility line, or to relocate a utility service removed by the sewer line construction.
- 20) Gravel Driveway (w/Geo-fabric): Units - Per Ton; To include excavation, ditching, removal and stockpile top soil, gravel, and hauled fill as required. Geo-fabric separate pay unit.
- 21) Reset Light/Mail Box/Road Sign: Unit Each; To include removal and resetting with existing material if possible, to include replacement of mailbox, post, concrete, brick, flower pots, sign and any other devices that may be part of the light/mailbox/sign assembly. If damaged the contractor will be responsible for repair of replacement as part of this unit price.

NOTE: ALL EQUIPMENT AND SUPPLY MUST COMPLY WITH THE BUY AMERICAN BUILD AMERICAN ACTS.

BEFORE YOU DIG CALL 811 OR 1-800-752-6007



DATE: 04/05/2019
SCALE: 1" = 50' H 1" = 5' V
DRAWN BY: MS
APPROVED BY: GOOCH
FILENAME: NOTES

PHASE 1A MCKINNEY WATER PROJECT
MCKINNEY WATER DISTRICT
GENERAL NOTES
CONTRACT TWO

CLIENT:
MCKINNEY WATER DISTRICT
2900 KY HWY 198
MCKINNEY, KY 40434

P.O. BOX 204
165 FOSTER LANE
STANFORD, KY 40464
PHONE (606) 365-8362
FAX (606) 365-1097



REVISION(S)

- _____
- _____
- _____
- _____
- _____
- _____
- _____