

2024 CDBG JAMESTOWN SEWER IMPROVEMENTS

THE CITY OF JAMESTOWN, TENNESSEE

HARVEY STOWERS, MAYOR
 STEVE MCCOY, ALDERMAN
 KAYE BRIDGES, ALDERMAN
 CHARLES COOPER, ALDERMAN
 BECKY DUNCAN, ALDERMAN
 SHERRY BOWDEN, ALDERMAN

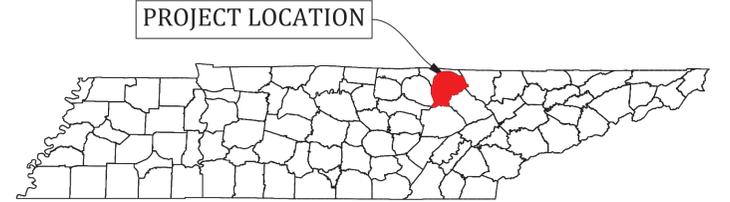
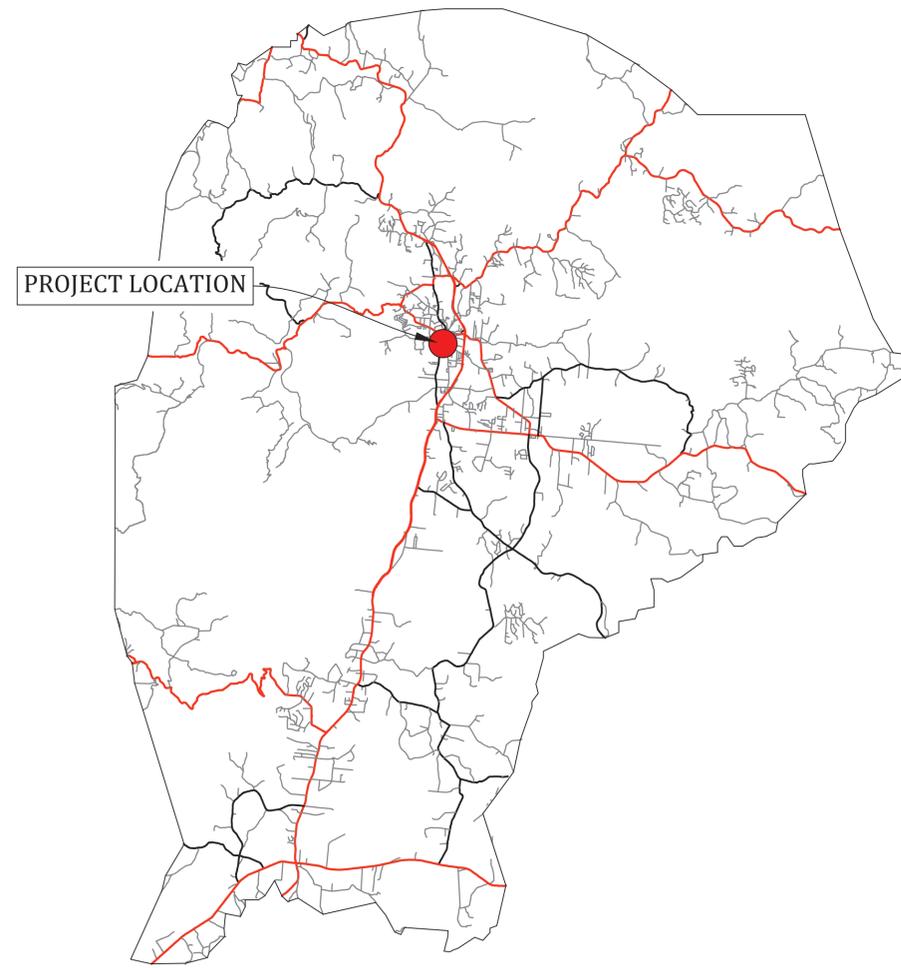
WPN25.0756
APPROVED FOR CONSTRUCTION
 THE DOCUMENT BEARING THIS STAMP HAS BEEN RECEIVED AND REVIEWED BY THE
TENNESSEE DEPT. OF ENVIRONMENT & CONSERVATION
 DIVISION OF WATER RESOURCES
 AND IS HEREBY APPROVED FOR CONSTRUCTION BY THE COMMISSIONER

 01/20/2026
 THIS APPROVAL SHALL NOT BE CONSTRUED AS CREATING A PRESUMPTION
 OF CORRECT OPERATION OR AS WARRANTING BY THE COMMISSIONER THAT
 THE APPROVED FACILITIES WILL REACH THE DESIGNED GOALS.
 APPROVAL EXPIRES ONE YEAR FROM ABOVE DATE

FENTRESS COUNTY, TENNESSEE

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PHILLIPS ENGINEERING, INC.
 Phone: (731) 885-9532
 Email: pci@phillipsengr.com
 P.O. Box 585 - 617 S. First Street - Union City, TN 38261

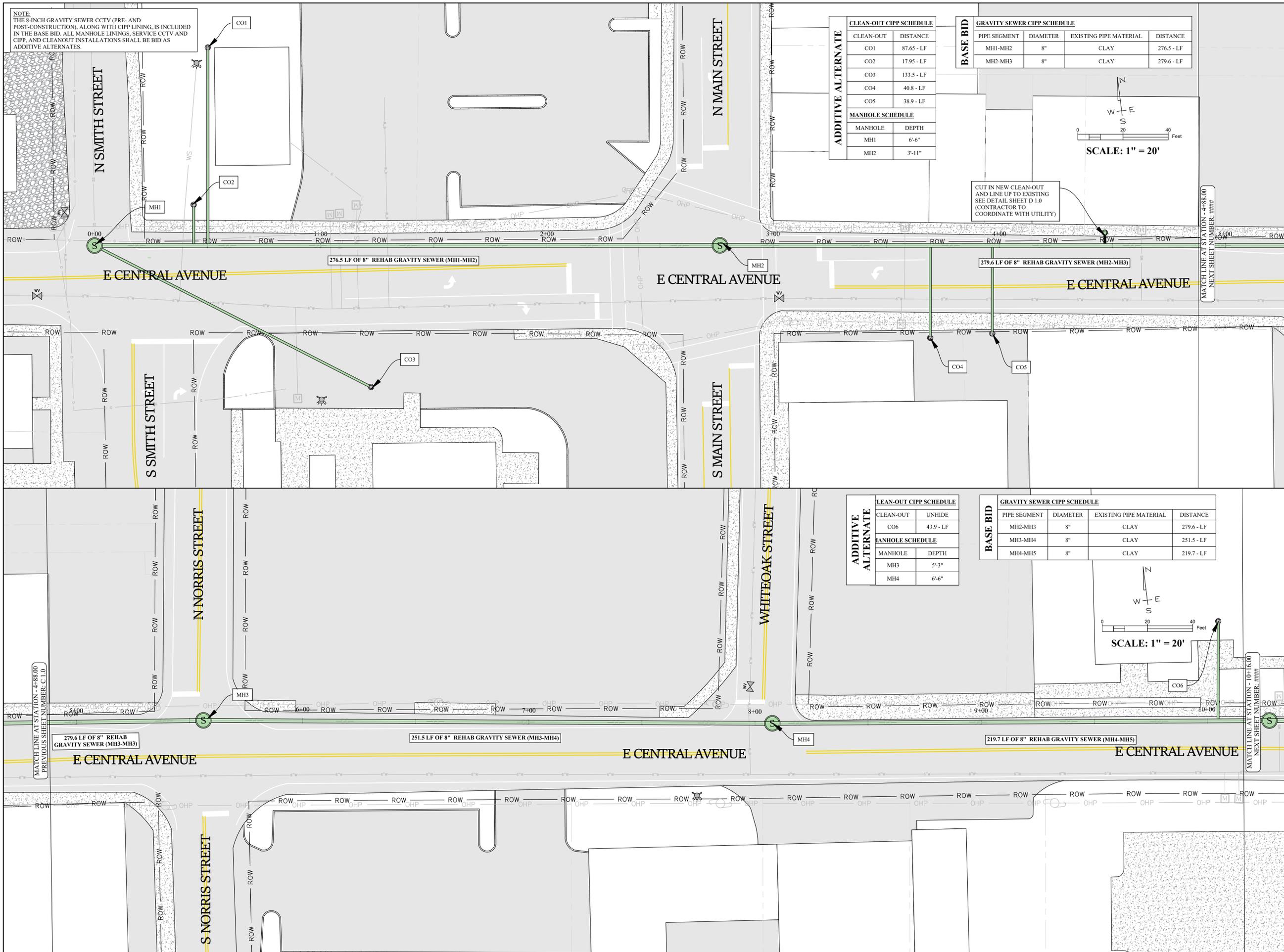
RYE ENGINEERING PLC
 CONSULTING ENGINEERS & SYSTEM OPERATORS
 4210 W MAIN STREET, ERIN TN 37061
 OFFICE (931) 289-2300 FAX (931) 289-2313



DATE: 11/12/2025

DATE: 11/12/2025

NOTE:
THE 8-INCH GRAVITY SEWER CCTV (PRE- AND POST-CONSTRUCTION), ALONG WITH CIPP LINING, IS INCLUDED IN THE BASE BID. ALL MANHOLE LININGS, SERVICE CCTV AND CIPP, AND CLEANOUT INSTALLATIONS SHALL BE BID AS ADDITIVE ALTERNATES.



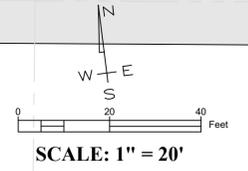
ADDITIVE ALTERNATE

CLEAN-OUT CIPP SCHEDULE	
CLEAN-OUT	DISTANCE
CO1	87.65 - LF
CO2	17.95 - LF
CO3	133.5 - LF
CO4	40.8 - LF
CO5	38.9 - LF

MANHOLE SCHEDULE	
MANHOLE	DEPTH
MH1	6'-6"
MH2	3'-11"

BASE BID

GRAVITY SEWER CIPP SCHEDULE			
PIPE SEGMENT	DIAMETER	EXISTING PIPE MATERIAL	DISTANCE
MH1-MH2	8"	CLAY	276.5 - LF
MH2-MH3	8"	CLAY	279.6 - LF



CUT IN NEW CLEAN-OUT AND LINE UP TO EXISTING SEE DETAIL SHEET D 1.0 (CONTRACTOR TO COORDINATE WITH UTILITY)



2024 CDBG JAMESTOWN SEWER IMPROVEMENTS

FENTRESS COUNTY



DATE: 11/04/2025

LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY
- EXISTING ROAD
- EXISTING CONCRETE
- EXISTING GRAVEL
- EXISTING SANITARY SEWER
- EXISTING SEWER MANHOLE
- EXISTING SEWER CLEAN-OUT
- NEW SEWER MANHOLE
- NEW SEWER CLEAN-OUT
- NEW CIPP LINING

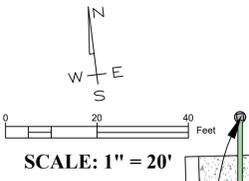
ADDITIVE ALTERNATE

CLEAN-OUT CIPP SCHEDULE	
CLEAN-OUT	UNHIDE
CO6	43.9 - LF

MANHOLE SCHEDULE	
MANHOLE	DEPTH
MH3	5'-3"
MH4	6'-6"

BASE BID

GRAVITY SEWER CIPP SCHEDULE			
PIPE SEGMENT	DIAMETER	EXISTING PIPE MATERIAL	DISTANCE
MH2-MH3	8"	CLAY	279.6 - LF
MH3-MH4	8"	CLAY	251.5 - LF
MH4-MH5	8"	CLAY	219.7 - LF



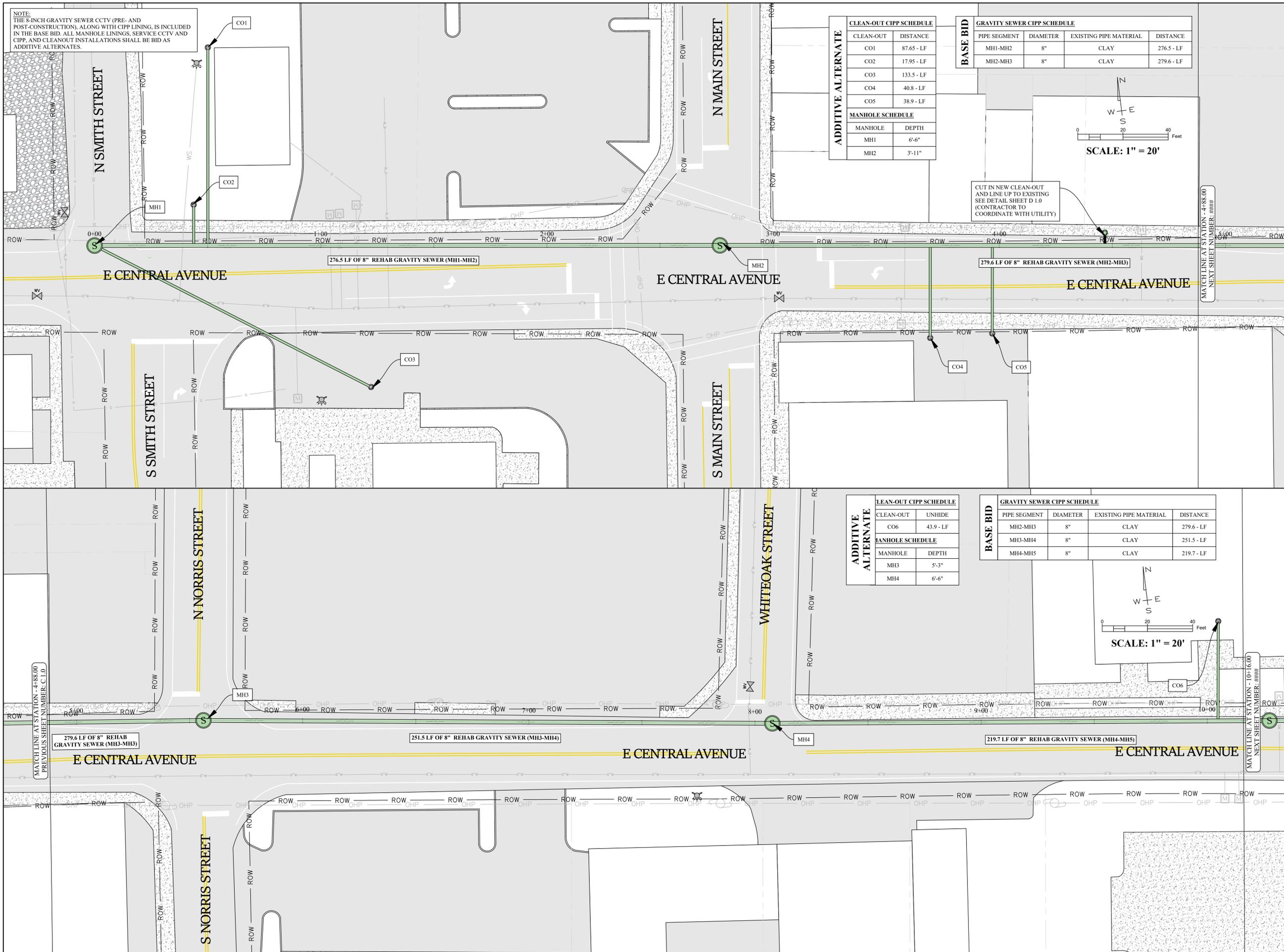
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GRAVITY SEWER REHABILITATION

C 1.0

NOTE:
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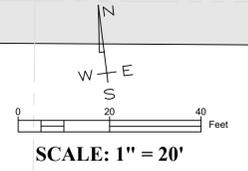
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CLEAN-OUT CIPP SCHEDULE	
CLEAN-OUT	DISTANCE
CO1	87.65 - LF
CO2	17.95 - LF
CO3	133.5 - LF
CO4	40.8 - LF
CO5	38.9 - LF

MANHOLE SCHEDULE	
MANHOLE	DEPTH
MH1	6'-6"
MH2	3'-11"

BASE BID

GRAVITY SEWER CIPP SCHEDULE			
PIPE SEGMENT	DIAMETER	EXISTING PIPE MATERIAL	DISTANCE
MH1-MH2	8"	CLAY	276.5 - LF
MH2-MH3	8"	CLAY	279.6 - LF



CUT IN NEW CLEAN-OUT AND LINE UP TO EXISTING SEE DETAIL SHEET D 1.0 (CONTRACTOR TO COORDINATE WITH UTILITY)



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FENTRESS COUNTY



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LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY
- EXISTING ROAD
- EXISTING CONCRETE
- EXISTING GRAVEL
- EXISTING SANITARY SEWER
- EXISTING SEWER MANHOLE
- EXISTING SEWER CLEAN-OUT
- NEW SEWER MANHOLE
- NEW SEWER CLEAN-OUT
- NEW CIPP LINING

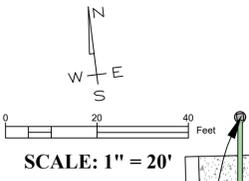
ADDITIVE ALTERNATE

CLEAN-OUT UNHIDE SCHEDULE	
CLEAN-OUT	UNHIDE
CO6	43.9 - LF

MANHOLE SCHEDULE	
MANHOLE	DEPTH
MH3	5'-3"
MH4	6'-6"

BASE BID

GRAVITY SEWER CIPP SCHEDULE			
PIPE SEGMENT	DIAMETER	EXISTING PIPE MATERIAL	DISTANCE
MH2-MH3	8"	CLAY	279.6 - LF
MH3-MH4	8"	CLAY	251.5 - LF
MH4-MH5	8"	CLAY	219.7 - LF



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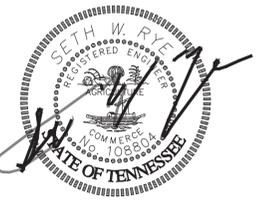
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GRAVITY SEWER REHABILITATION

C 1.0

**2024 CDBG JAMESTOWN
SEWER IMPROVEMENTS**

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LEGEND

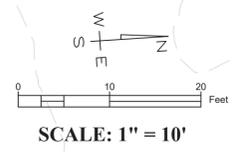
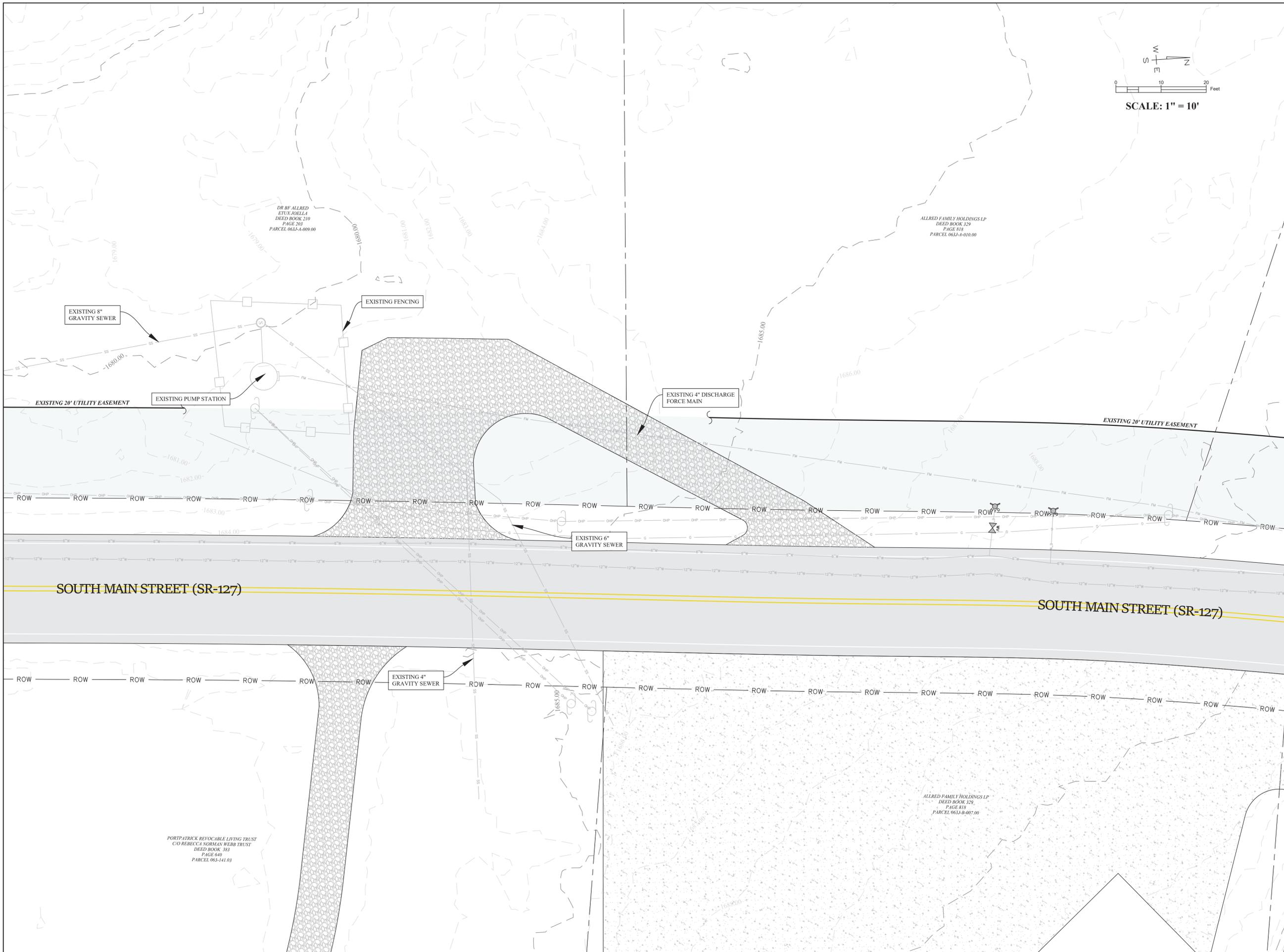
-  EXISTING PROPERTY LINE
-  EXISTING RIGHT-OF-WAY
-  EXISTING ROADWAY
-  EXISTING DRIVE
-  EXISTING PERIMETER FENCING
-  EXISTING GRAVITY SEWER
-  EXISTING 4" SEWER FORCE MAIN
-  EXISTING 12" WATER LINE
-  EXISTING 6" WATER LINE
-  EXISTING GAS LINE
-  EXISTING OVERHEAD POWER
-  EXISTING POWER POLE
-  EXISTING HYDRANT
-  EXISTING WATER VALVE
-  EXISTING SEWER VALVE

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**SOUTH MAIN PUMP STATION
EXISTING SITE PLAN**

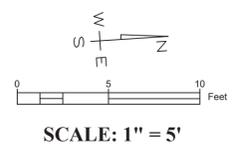
C 2.0



PORTPATRICK REVOCABLE LIVING TRUST
C/O REBECCA NORMAN WEBB TRUST
DEED BOOK 388
PAGE 640
PARCEL 063-141.03

ALLRED FAMILY HOLDINGS LP
DEED BOOK 329
PAGE 818
PARCEL 063-4-010.00

- NOTES:**
1. PLACE 4" LAYER OF CRUSHER RUN THROUGHOUT FENCED AREA.
 2. REALIGN ENTRANCE TO LIFT STATION TO ALLOW ADEQUATE TURN IN AND EXIT. (SEE DETAIL ON SHEET D 1.2)
 3. AIR RELEASE VALVE TO BE INSTALLED AT THE HIGH POINT OF THE EXISTING FORCE MAIN. (SEE DETAIL ON SHEET D 1.0)



2024 CDBG JAMESTOWN SEWER IMPROVEMENTS

FENTRESS COUNTY



DATE: 11/04/2025

LEGEND

- EXISTING PROPERTY LINE
- ROW --- EXISTING RIGHT-OF-WAY
- EXISTING ROADWAY
- EXISTING DRIVE
- EXISTING PERIMETER FENCING
- SS --- EXISTING GRAVITY SEWER
- FM --- EXISTING 4" SEWER FORCE MAIN
- 12" --- EXISTING 12" WATER LINE
- 6" --- EXISTING 6" WATER LINE
- G --- EXISTING GAS LINE
- OHP --- EXISTING OVERHEAD POWER
- EXISTING POWER POLE
- EXISTING HYDRANT
- EXISTING WATER VALVE
- EXISTING SEWER VALVE
- PROPOSED FENCE
- PROPOSED DRIVE
- PROPOSED SEWER VALVE



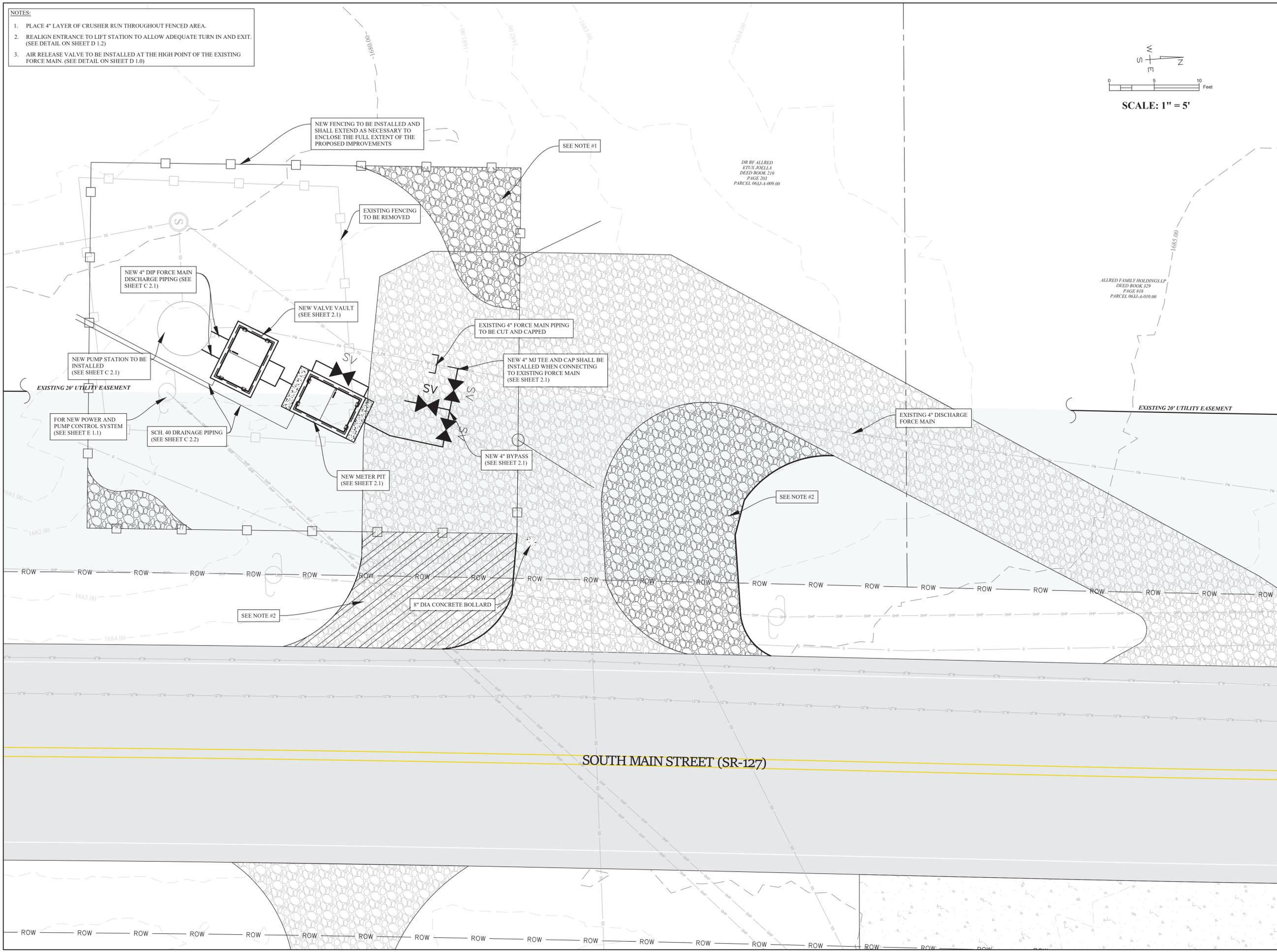
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SOUTH MAIN PUMP STATION PROPOSED SITE PLAN

C 2.1



2024 CDBG JAMESTOWN SEWER IMPROVEMENTS

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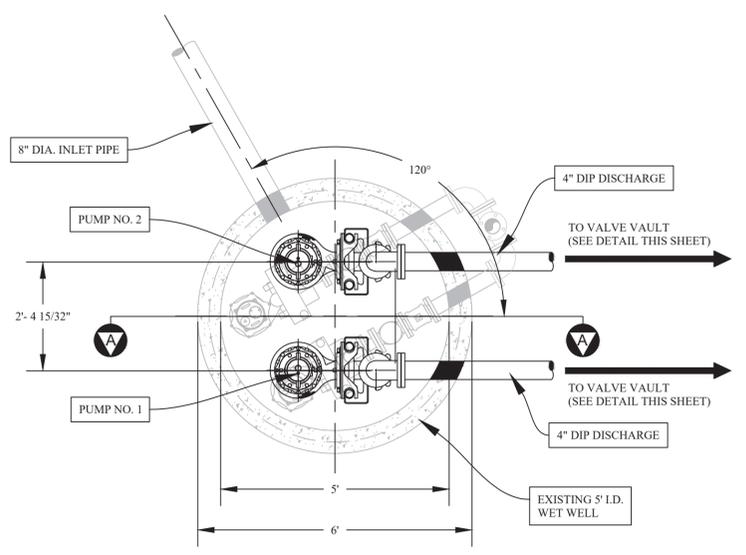


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B	DESIGN TABLE	12/22/2025

SOUTH MAIN PUMP STATION CONSTRUCTION PLAN

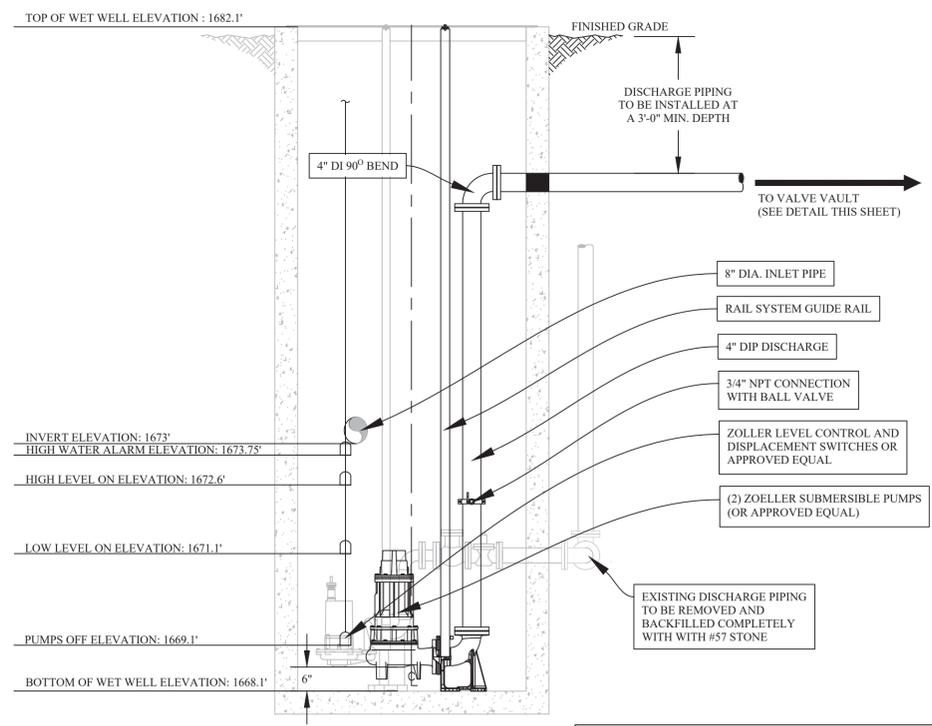
C 2.2



PLAN VIEW
SCALE: 1" = 2'

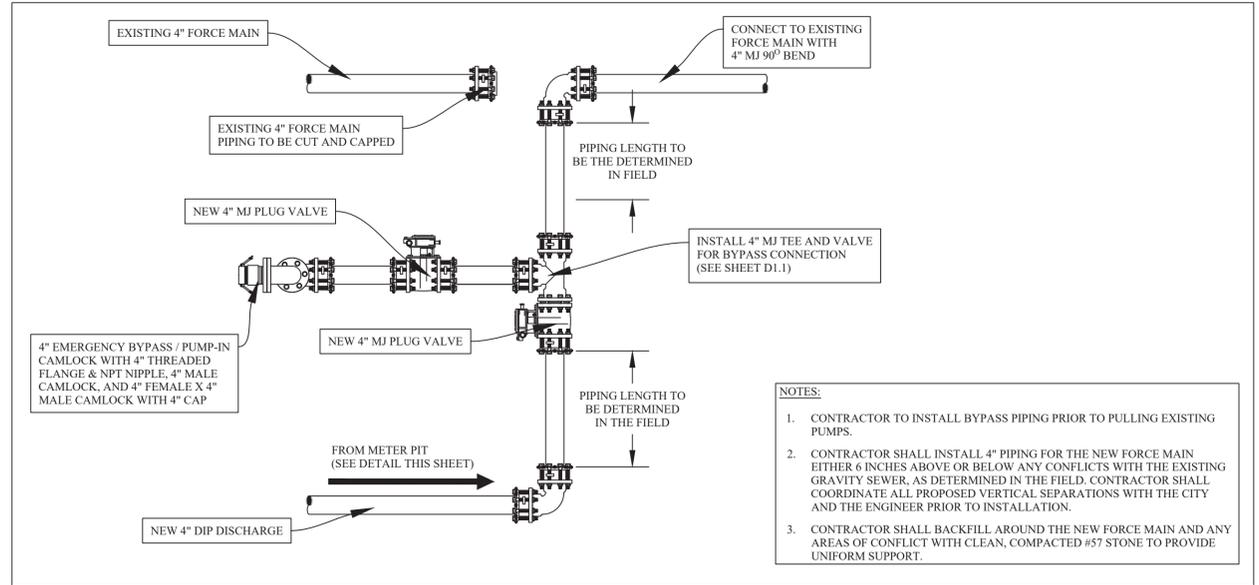
NOTE:

- CONTRACTOR TO CORE NEW HOLES FOR 4" DUCTILE DISCHARGE PIPING AND SCARIFY EXISTING DISCHARGE HOLES PRIOR TO GROUTING HOLES WITH NON-SHRINK GROUT.
- WETWELL TO BE LINED WITH CONTENTIOUS EPOXY AFTER GROUTING EXISTING DISCHARGE HOLES AND CORING NEW DISCHARGE HOLES.



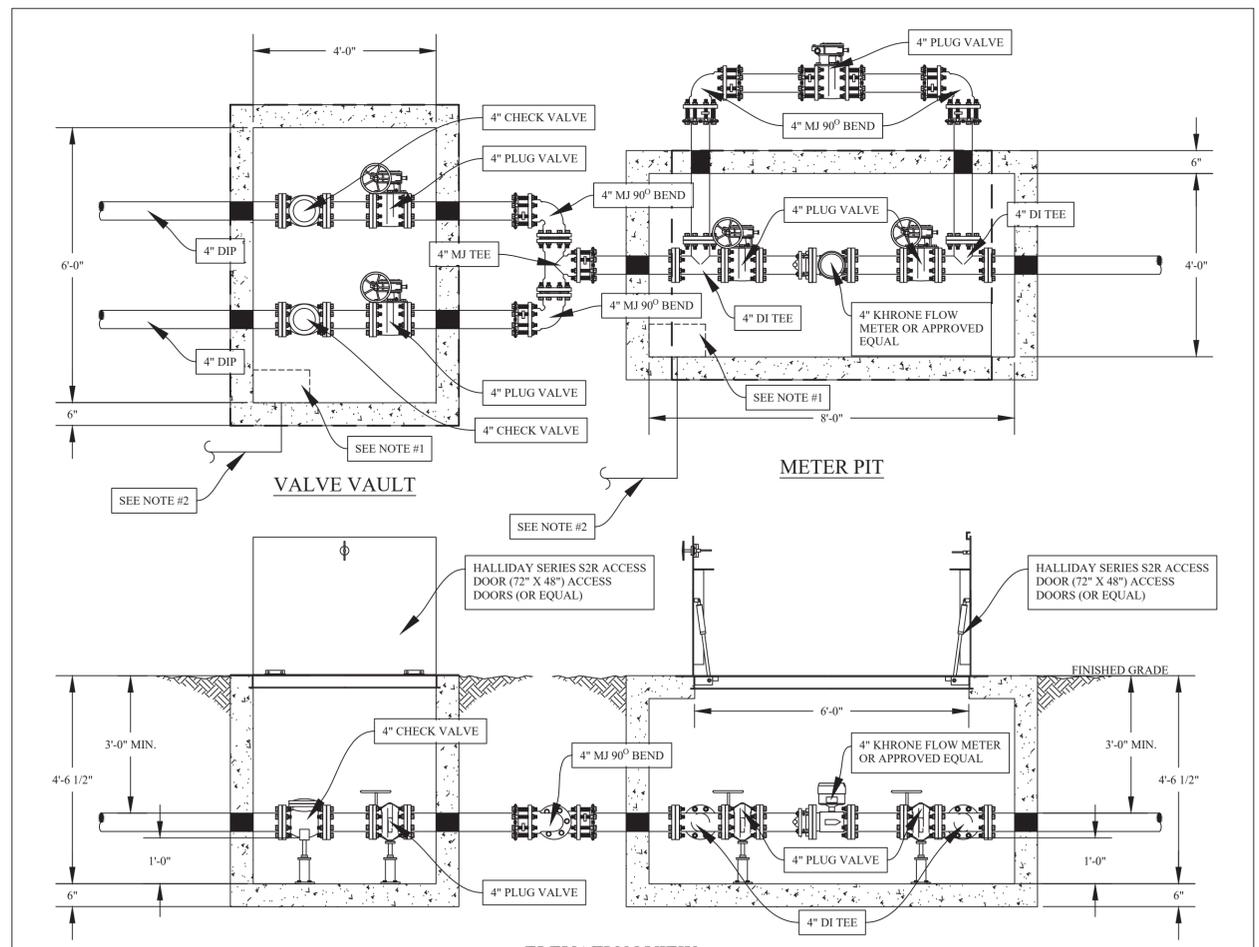
SECTION A-A
SCALE: 1" = 2'

DESIGN TABLE	
PUMP BASIS OF DESIGN	ZOELLER 62 HD SERIES
MOTOR SIZE	7.5 HP
MOTOR SPEED	1750 RPM
FLOW RATE	150 GPM
TOTAL DYNAMIC HEAD (TDH)	77 FT
FORCE MAIN SIZE (EXISTING)	4 IN
FORCE MAIN VELOCITY	3.83 FPS



BYPASS AND FORCE MAIN CONNECTION
SCALE: 1" = 2'

- NOTES:
- CONTRACTOR TO INSTALL BYPASS PIPING PRIOR TO PULLING EXISTING PUMPS.
 - CONTRACTOR SHALL INSTALL 4" PIPING FOR THE NEW FORCE MAIN EITHER 6 INCHES ABOVE OR BELOW ANY CONFLICTS WITH THE EXISTING GRAVITY SEWER, AS DETERMINED IN THE FIELD. CONTRACTOR SHALL COORDINATE ALL PROPOSED VERTICAL SEPARATIONS WITH THE CITY AND THE ENGINEER PRIOR TO INSTALLATION.
 - CONTRACTOR SHALL BACKFILL AROUND THE NEW FORCE MAIN AND ANY AREAS OF CONFLICT WITH CLEAN, COMPACTED #57 STONE TO PROVIDE UNIFORM SUPPORT.



ELEVATION VIEW
SCALE: 1" = 2'

- NOTES:
- CONTRACTOR SHALL INSTALL SUMP AND FORM METER PIT AND VALVE VAULT FLOORS WITH A MINIMUM SLOPE TOWARD THE SUMP.
 - CONTRACTOR SHALL CORE AND ETCH HOLES FOR NEW SCHEDULE 40 PVC PIPING.

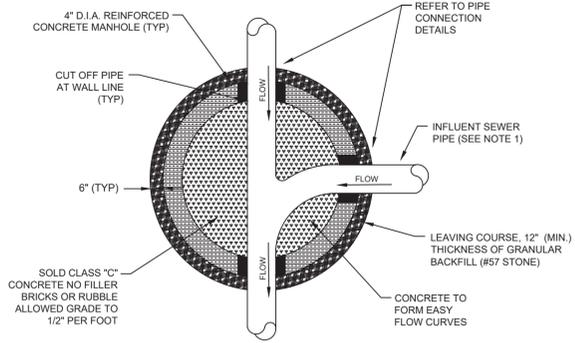
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SEWER IMPROVEMENTS**

FENTRESS COUNTY



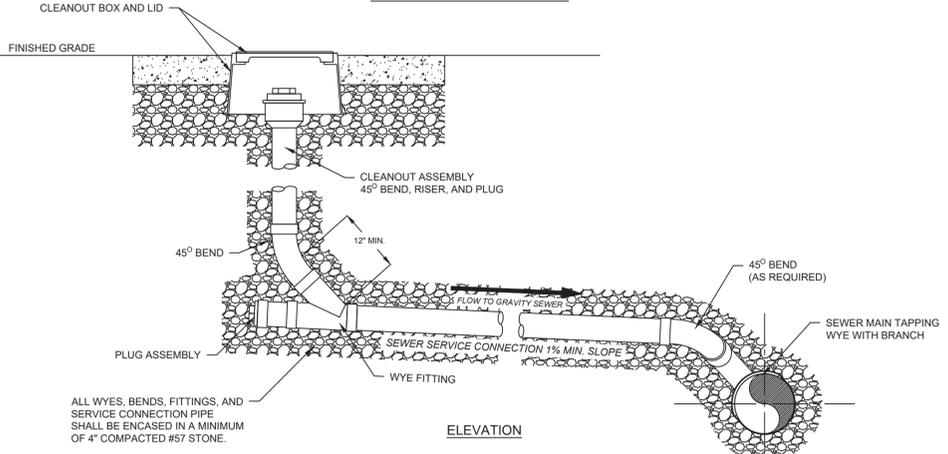
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**STANDARD MANHOLE
PLAN VIEW**



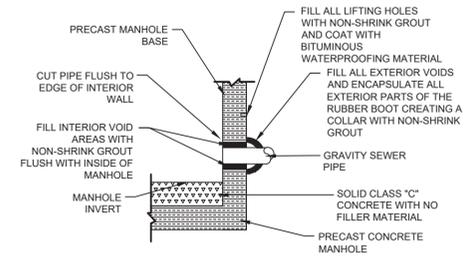
NOTE:
1. THE ANGLE BETWEEN ALL INFLUENT FLOW CHANNELS AND EFFLUENT PIPE SHALL BE BETWEEN 90° - 180° UNLESS OTHERWISE APPROVED BY OWNER.

**SANITARY SEWER
CLEANOUT DETAIL**



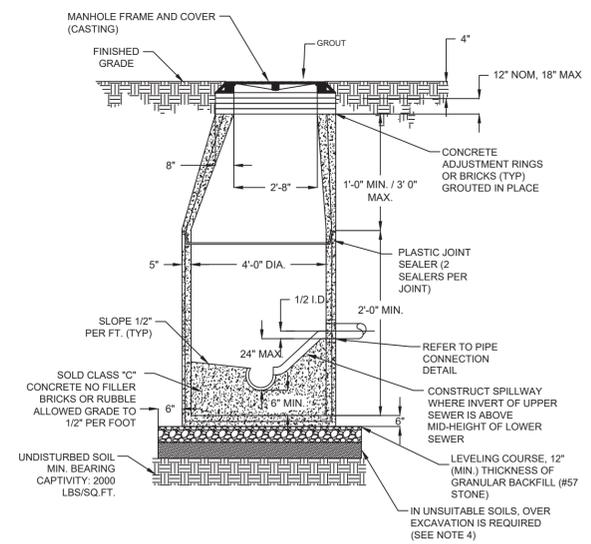
ALL WYES, BENDS, FITTINGS, AND SERVICE CONNECTION PIPE SHALL BE ENCASED IN A MINIMUM OF 4" COMPACTED #57 STONE.

**MANHOLE PIPE CONNECTION
(RUBBER BOOT)**

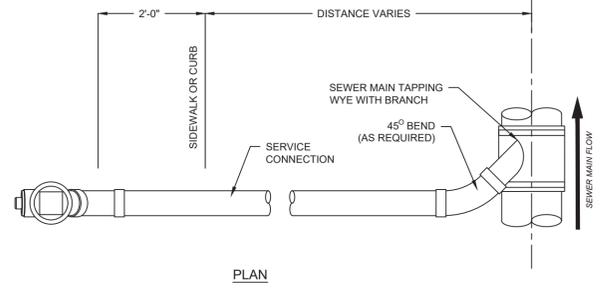


NOTE:
1. RUBBER BOOT TO BE DOUBLE Banded WITH 316 S.S. CLAMPS MEETING ASTM C923 STANDARD, TO BE Kor-N-Seal I EX SERIES CONNECTOR WITH DOUBLE STAINLESS STEEL BANDS OR EQUAL.

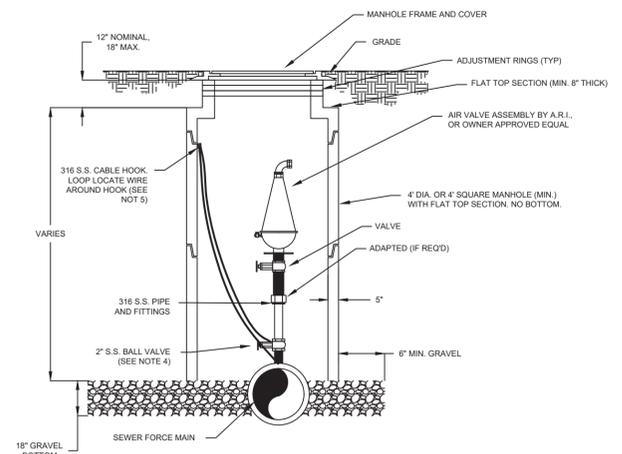
**STANDARD MANHOLE
SECTION VIEW**



NOTES:
1. PRECAST MANHOLE SECTIONS TO BE MANUFACTURED WITH THE LATEST EDITIONS OF A.S.T.M. C-478 WITH 4000 LBS. CONC., TYPE 33 CEMENT. ALL LIFTING EYE HOLES AND OUTSIDE INSERTS SHALL BE FILLED WITH NON-SHRINK GROUT AND COATED WITH BITUMINOUS WATERPROOFING MATERIAL.
2. PRECAST SECTIONS SHALL HAVE THE XYPEX ADMIXTURE ADDED PER THE MANUFACTURER'S RECOMMENDATIONS.
3. ALL MANHOLE JOINTS BELOW THE TOP COVER SECTION SHALL INCLUDE A 6" WIDE (MIN) EXTERIOR JOINT TAPE (WITH PRIMER)
4. IN SILTS, CLAY OR HIGHLY ORGANIC SOILS, OVER-EXCAVATE AN ADDITIONAL 24" (AT A MIN.) AND BACKFILL WITH AASHTO CLASS A-3 SOIL (COMPACTED) TO 98% ASTM D1557 OR OVER-EXCAVATE AN ADDITIONAL 12" (AT A MIN.) AND BACKFILL WITH GRANULAR MATERIAL (#57 STONE).

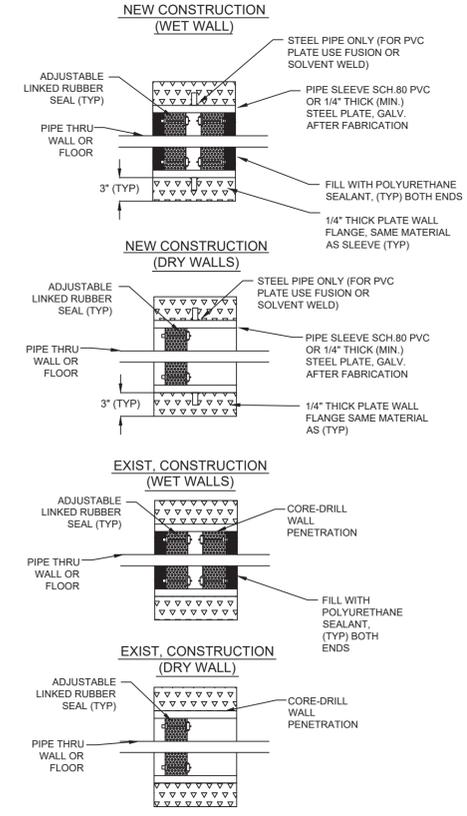


AIR VALVE ASSEMBLY



NOTE:
1. PRECAST CONCRETE SHALL BE CAST WITH THE XYPEX ADMIXTURE. APPLICATION AND DOSAGE RATES SHALL BE PER THE MANUFACTURER'S RECOMMENDATIONS.
2. THE COVER SHALL HAVE NO GASKET TO ALLOW AIR TO EXIT VAULT. THE COVER WHEN FLIPPED OPEN MUST BE CLEAR OF THE AIR VALVE ASSEMBLY AT ALL TIMES OR SQUARE TOP WITH ALUMINUM DOOR SHALL BE PROVIDED.
3. FOR PIPE SIZES 3" OR SMALLER, PROVIDE A STAINLESS STEEL BALL VALVE (2" MIN.) FOR PIPE SIZES 4" OR LARGER, PROVIDE A FLANGE PLUG VALVE WITH WHEEL OPERATOR.
4. FOR A 2" AIR VALVE, PROVIDE A 2" STAINLESS STEEL BALL VALVE AT THE MAIN. FOR AIR VALVES LARGER, THAN 2" SIZE PROVIDE A TAPPING SLEEVE OR DUCTILE IRON TEE FITTING.
5. LOCATE WIRE SHALL HAVE ENOUGH SLACK TO REACH 4' ABOVE GRADE.

SLEEVED PIPE OPENINGS



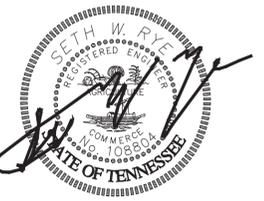
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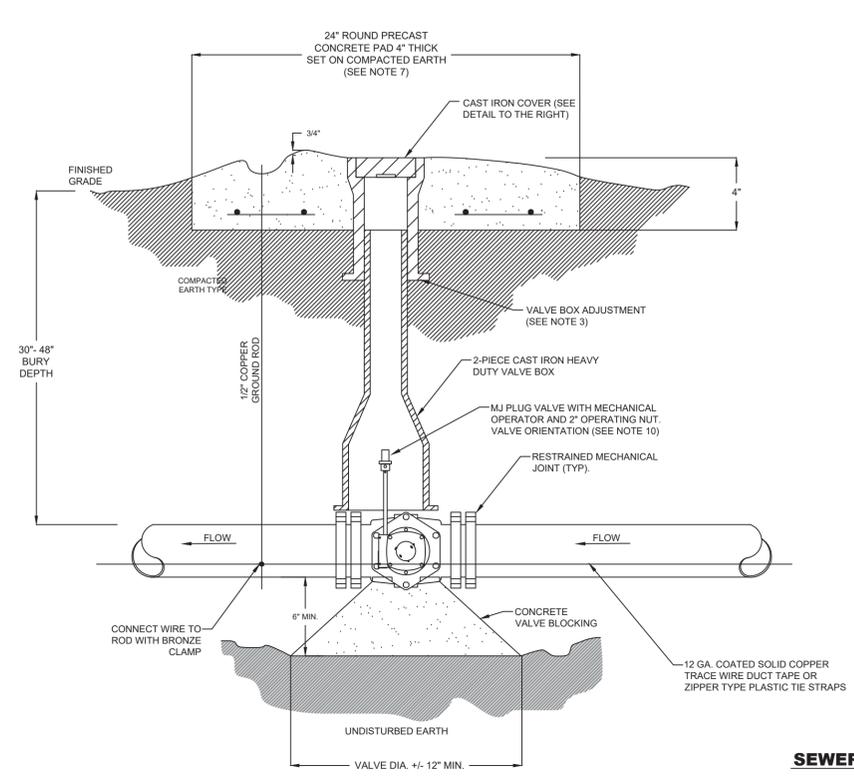
CONSTRUCTION DETAILS

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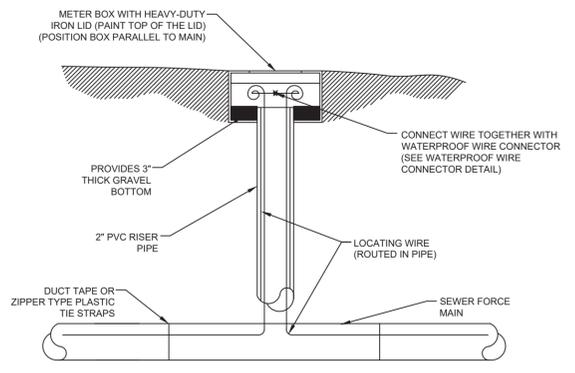
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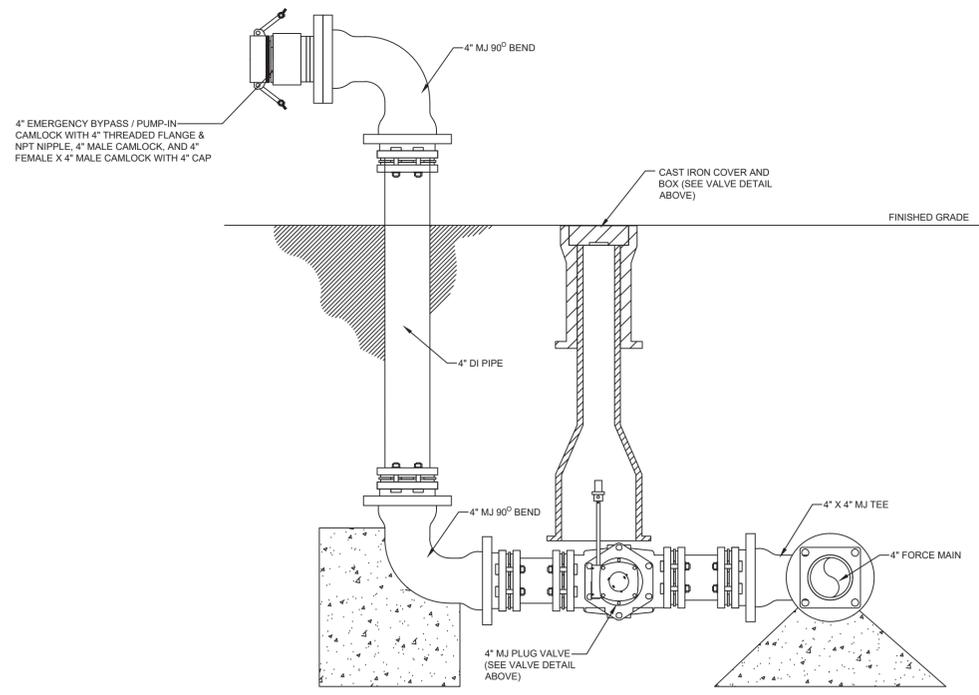
NOTE:

1. FOR UNPAVED LOCATIONS, A PRECAST CONCRETE VALVE PAD SHALL BE PROVIDED AND INSTALLED FLUSH WITH GRADE. CONCRETE PAD IS NOT REQUIRED FOR VALVES LOCATED IN THE ROADWAY, UNLESS SHOWN OR NOTED OTHERWISE.
2. LOCATING WIRE IS REQUIRED ON ALL PRESSURE PIPING.
3. IN PAVED AREAS INSTALL VALVE AT A DEPTH TO ALLOW 12" MIN. DISTANCE BETWEEN THE VALVE COVER PLATE AND THE TOP OF THE VALVE OPERATING NUT. OUTSIDE OF PAVED AREAS (GRASS), INSTALL VALVE AT A DEPTH TO ALLOW A 6" MINIMUM DISTANCE BETWEEN THE VALVE COVER AND THE TOP OF A VALVE OPERATING NUT. OPERATING NUT/STEM EXTENSION SHALL BE PROVIDED (WHERE APPLICABLE) SO THAT THE OPERATING NUT WILL BE NO MORE THAN 30 INCHES BELOW FINISHED GRADE.
4. FOR NEW CONSTRUCTION THE VALVE BOX SHALL BE ADJUSTED TO MIDRANGE TO ALLOW FOR THE FUTURE BOX ADJUSTMENTS. ROUTE LOCATE WIRES THRU A 1/2" CUT IN THE TOP OF THE 6" PVC RISER PIPE FOR LOCATE WIRE ACCESS INTO VALVE BOX. THE LOCATE WIRES WITH 24" LONG PIG TAILS AT THE TOP SHALL BE CONNECTED TOGETHER WITH A WIRE NUT.
5. BRASS IDENTIFICATION TAG INDICATING "SEWER", VALVE SIZE, DIRECTION AND TURNS TO THE OPEN VALVE TYPE. PROVIDE A 1/4" HOLE IN BRASS TAG AND ATTACH TAG (TWIST WIRE AROUND TAG) TO THE END OF THE LOCATE WIRE.
6. IN LIEU OF PRECAST CONCRETE PAD, A 6" THICK X 24" (ROUND OR SQUARE) POURED CONCRETE PAD 2-#4 REBAR AROUND PERIMETER, MAY BE USED.
7. GRAVEL SHALL BE PROVIDED UNDER ALL VALVES 20" AND LARGER. THE MINIMUM VERTICAL LIMIT OF GRAVEL IS 12" UNDER THE VALVE UP TO 1/3 THE OVERALL HEIGHT OF THE VALVE.
8. FOR VALVES 12" AND SMALLER, PROVIDE A WHITE OR BLACK PLASTIC DEBRIS SHIELD WHICH INSTALLS BELOW THE OPERATING NUT. THE SHIELD SHALL CENTER THE RISER PIPE BOX OVER THE OPERATING NUT AND MINIMIZE INFILTRATION. SHIELD SHALL BE BY AFC, BOXLOK, OR APPROVED EQUAL.
9. ALL VALVES SHALL BE INSTALLED WITH AN ELECTRIC LOCATE MARKER. MARKER SHALL BE 4" DIA. COLOR CODED BALL MARKER (3M-1404XR FOR SEWER).
10. INSTALL ALL PLUG VALVES WITH THE FLOW AGAINST THE FACE OF THE PLUG IN THE CLOSED POSITION AND THE VALVE ON ITS SIDE (90 deg.) WITH A MECHANICAL OPERATOR, THE PLUG SHOULD ROTATE UP TOWARDS THE TOP OF THE PIPELINE AND REST AT THE TOP OF THE PIPE WHEN IN THE OPEN POSITION.

SEWER VALVE



LOCATE WIRE BOX (METER BOX)



SEWER BYPASS



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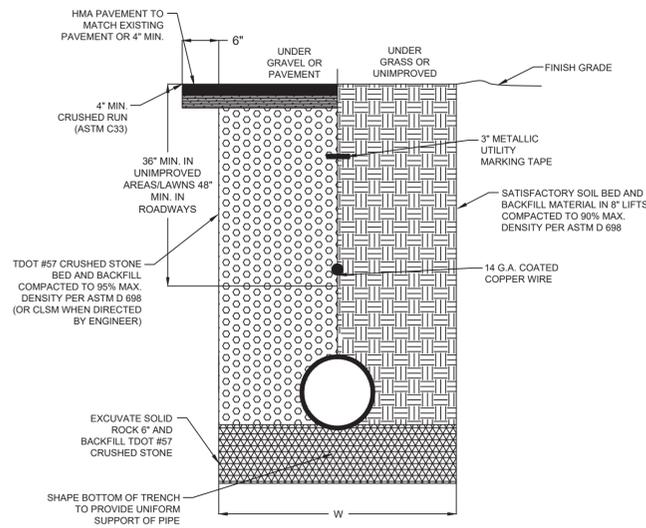
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CONSTRUCTION DETAILS

HORIZONTAL CONCRETE THRUST BLOCKING

PIPE SIZE	BEND	MINIMUM BEARING AREA	A MIN	B MIN	C	D	E	F	G	H MIN
6"	TEES	3.5 SF	2.25'	1.50'	0.75'	2.00'	1.00'	2.00'	1.00'	2.50'
8"	TEES	6.0 SF	2.25'	1.50'	0.75'	2.25'	1.13'	2.25'	1.13'	2.58'
10"	TEES	9.1 SF	2.25'	1.50'	0.75'	2.75'	1.38'	2.75'	1.38'	2.67'
12"	TEES	12.8 SF	2.25'	1.50'	0.75'	3.25'	1.63'	3.25'	1.63'	2.75'
18"	TEES	28.0 SF	3.50'	2.00'	1.50'	5.00'	2.50'	4.50'	2.25'	4.25'
24"	TEES	49.0 SF	4.50'	3.00'	1.50'	7.00'	3.50'	5.50'	2.75'	5.50'
36"	TEES	86.4 SF	4.50'	3.00'	1.50'	11.50'	5.75'	6.00'	3.00'	6.00'
6"	90°	5.0 SF	2.25'	1.50'	0.75'	2.00'	1.00'	2.00'	1.00'	2.50'
8"	90°	8.5 SF	2.25'	1.50'	0.75'	2.75'	1.38'	2.50'	1.25'	2.58'
10"	90°	12.8 SF	2.25'	1.50'	0.75'	3.50'	1.75'	3.00'	1.50'	2.67'
12"	90°	18.1 SF	2.75'	2.00'	0.75'	4.00'	2.00'	3.00'	1.50'	3.25'
18"	90°	39.6 SF	3.50'	2.00'	1.50'	7.00'	3.50'	4.50'	2.25'	4.25'
24"	90°	69.3 SF	4.50'	3.00'	1.50'	10.00'	5.00'	5.50'	2.75'	5.50'
36"	90°	122.1 SF	5.50'	4.00'	1.50'	14.00'	7.00'	7.00'	3.50'	7.00'
6"	45°	2.7 SF	2.25'	1.50'	0.75'	1.50'	0.75'	1.50'	0.75'	2.50'
8"	45°	4.6 SF	2.25'	1.50'	0.75'	2.00'	1.00'	2.00'	1.00'	2.58'
10"	45°	6.9 SF	2.25'	1.50'	0.75'	2.50'	1.25'	2.25'	1.13'	2.67'
12"	45°	9.8 SF	2.25'	1.50'	0.75'	3.00'	1.50'	2.75'	1.38'	2.75'
18"	45°	21.4 SF	3.00'	1.50'	1.50'	4.50'	2.25'	4.00'	2.00'	3.75'
24"	45°	37.5 SF	4.50'	3.00'	1.50'	6.00'	3.00'	5.00'	2.50'	5.50'
36"	45°	66.1 SF	4.50'	3.00'	1.50'	10.00'	5.00'	5.50'	2.75'	6.00'
6"	22.5°	1.4 SF	1.75'	1.00'	0.75'	1.50'	0.75'	1.00'	0.50'	2.00'
8"	22.5°	2.3 SF	1.75'	1.00'	0.75'	1.50'	0.75'	1.57'	0.78'	2.08'
10"	22.5°	3.5 SF	1.75'	1.00'	0.75'	2.00'	1.00'	1.50'	0.75'	2.17'
12"	22.5°	5.0 SF	1.75'	1.00'	0.75'	2.00'	1.00'	2.50'	1.25'	2.25'
18"	22.5°	10.9 SF	3.00'	1.50'	1.50'	3.00'	1.50'	3.00'	1.50'	3.75'
24"	22.5°	19.1 SF	3.50'	2.00'	1.50'	4.00'	2.00'	4.00'	2.00'	4.50'
36"	22.5°	33.7 SF	3.50'	2.00'	1.50'	6.00'	3.00'	4.50'	2.25'	5.00'

TRENCHING

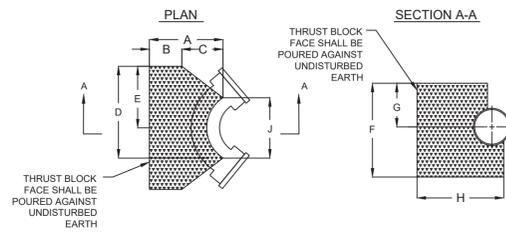


PIPE NOMINAL DIAMETER	TRENCH WIDTH (W)	
	MIN.	MAX.
4"	4"	48"
6"	6"	48"
8"	8"	48"
10"	10"	48"
12"	12"	48"
16"	16"	48"
18"	18"	54"
24"	24"	60"
30"	30"	74"
36"	36"	80"
42"	42"	86"
48"	48"	92"
54"	54"	98"
60"	60"	104"
72"	72"	116"

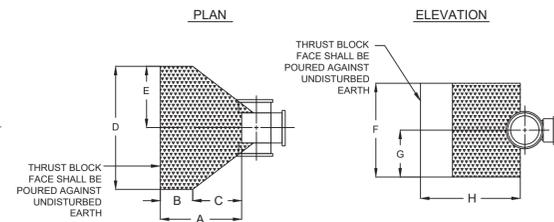
W= TRENCH WIDTH AT BOTTOM OF PIPE. TRENCH SIDE SLOPES SHALL BE IN ACCORDANCE WITH OSHA REQUIREMENTS

TRENCH NOTES:
 COMPACTED BACKFILL SHALL BE LACED TO ONE FOOT MIN. DEPTH OF COVER. THE INITIAL BACKFILL SHALL BE A MATERIAL FREE FROM ROCKS GREATER THAN 1/2" DIA., SOIL CLODS, OR FROZEN MATERIAL. WHEN AUTOMATIC TAMPERS ARE USED, CARE SHALL BE EXERCISED TO AVOID DAMAGE TO THE PIPE.
 ALL WATER LINE TRENCHES AND BORE PIT AREAS SHALL BE MECHANICALLY COMPACTED.

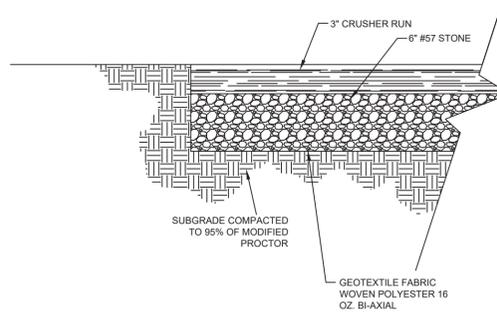
CONCRETE THRUST BLOCK FOR BENDS



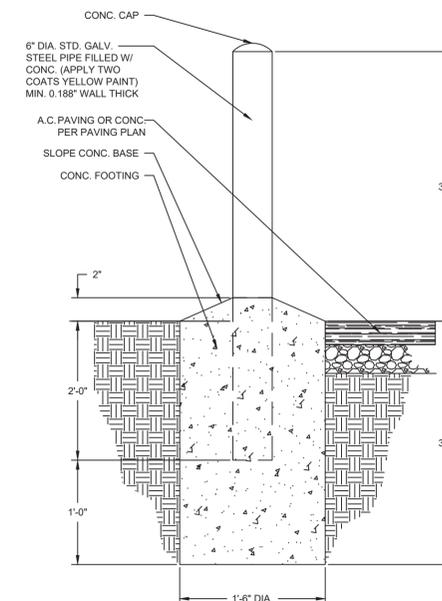
CONCRETE THRUST BLOCK FOR TEES



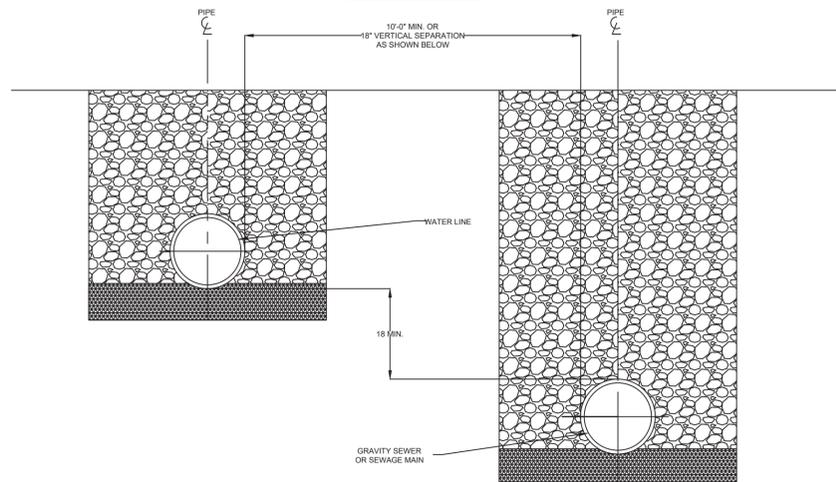
GRAVEL PAVING



PIPE BOLLARD



UTILITY SEPARATION



2024 CDBG JAMESTOWN SEWER IMPROVEMENTS

FENTRESS COUNTY



DATE: 11/12/2025

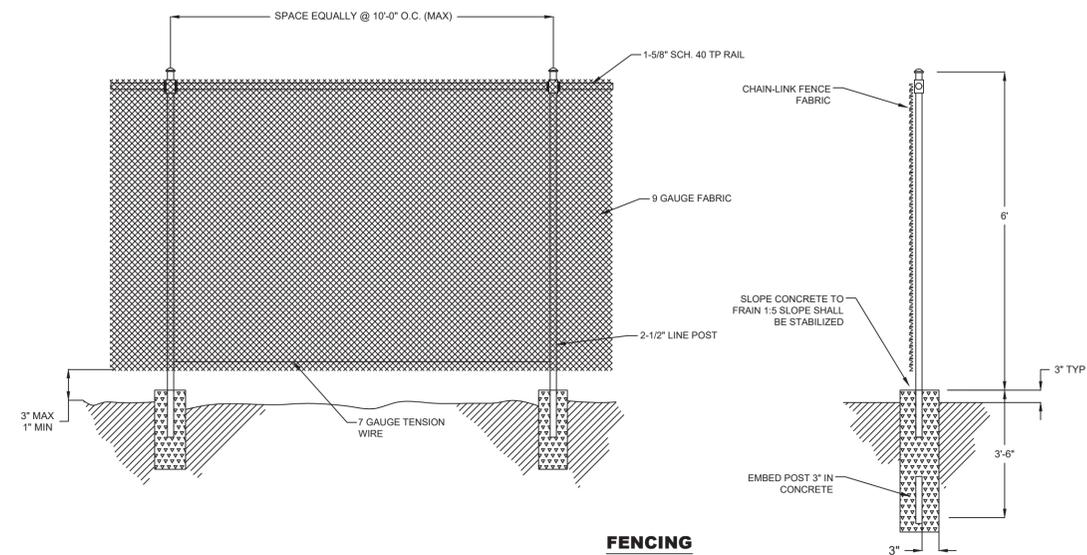
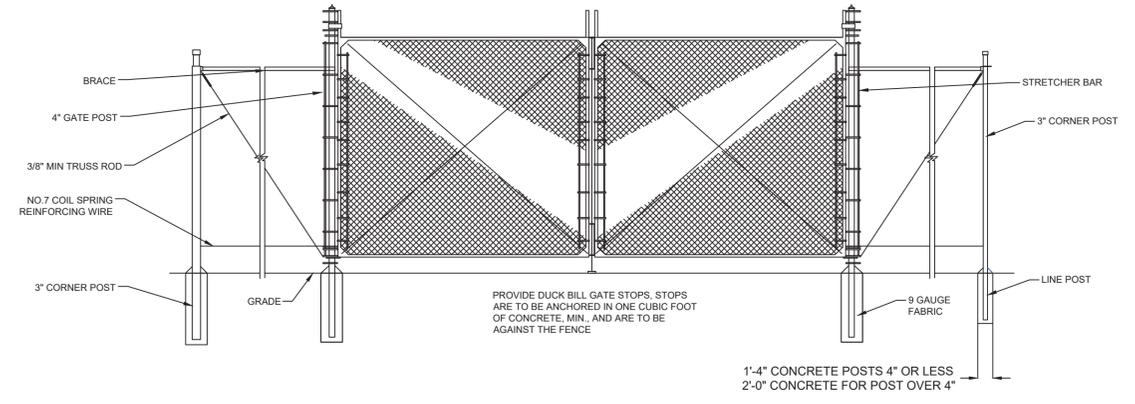
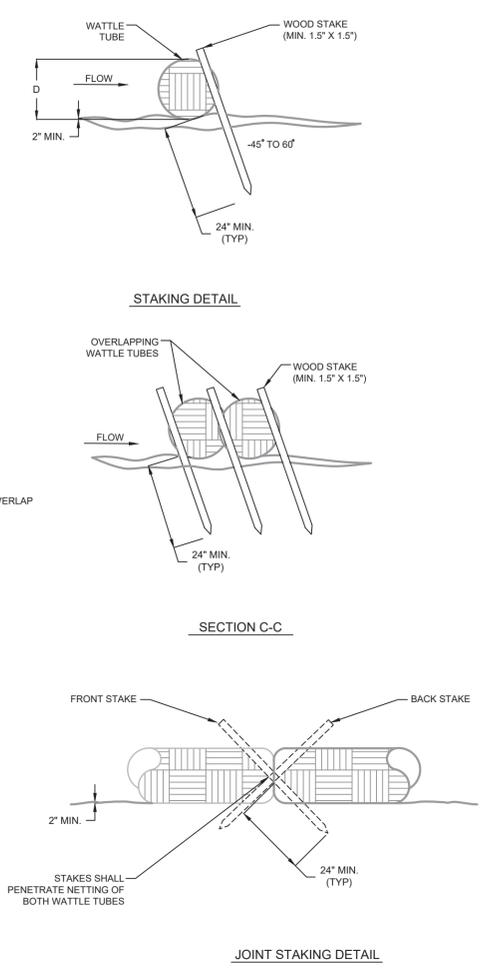
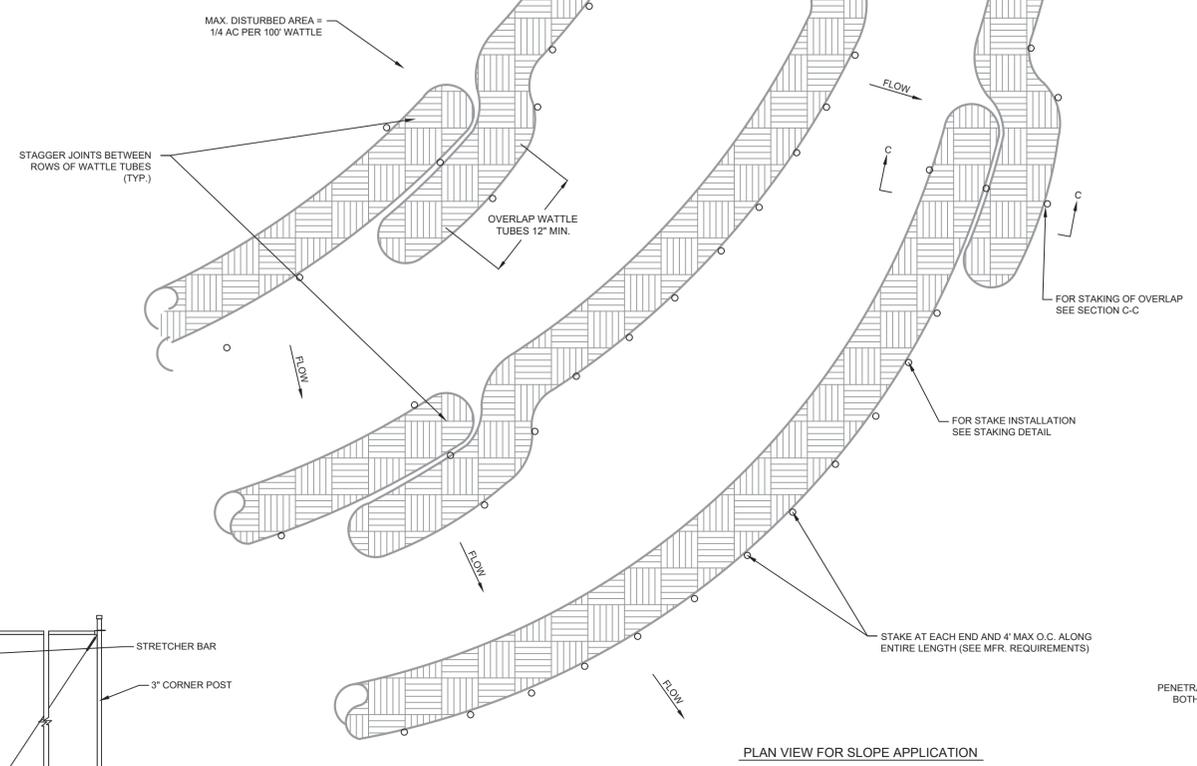
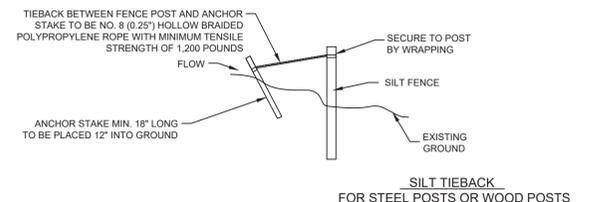
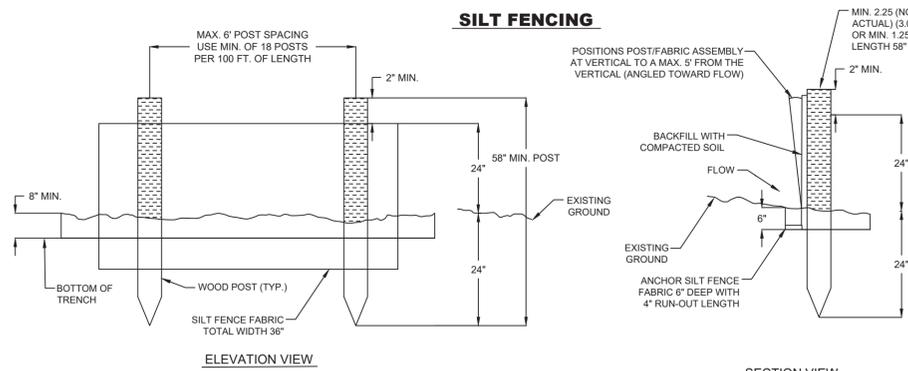


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A	FINAL PLANS	11/04/2025

CONSTRUCTION DETAILS



2024 CDBG JAMESTOWN SEWER IMPROVEMENTS

FENTRESS COUNTY



DATE: 11/12/2025



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NO.	REVISION:	DATE:
A	FINAL PLANS	11/04/2025

CONSTRUCTION DETAILS

**2024 CDBG JAMESTOWN
SEWER IMPROVEMENTS**

FENTRESS COUNTY



DATE: 11/12/2025

LEGEND

- EXISTING PROPERTY LINE
- ROW --- EXISTING RIGHT-OF-WAY
- EXISTING ROADWAY
- EXISTING DRIVE
- EXISTING PERIMETER FENCING
- SS --- EXISTING GRAVITY SEWER
- FM --- EXISTING 4" SEWER FORCE MAIN
- 12" --- EXISTING 12" WATER LINE
- 6" --- EXISTING 6" WATER LINE
- G --- EXISTING GAS LINE
- OHP --- EXISTING OVERHEAD POWER
- EXISTING POWER POLE
- EXISTING HYDRANT
- EXISTING WATER VALVE
- EXISTING SEWER VALVE
- PROPOSED FENCE
- PROPOSED DRIVE
- PROPOSED SEWER VALVE

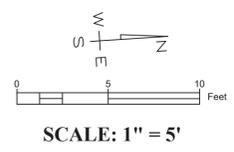


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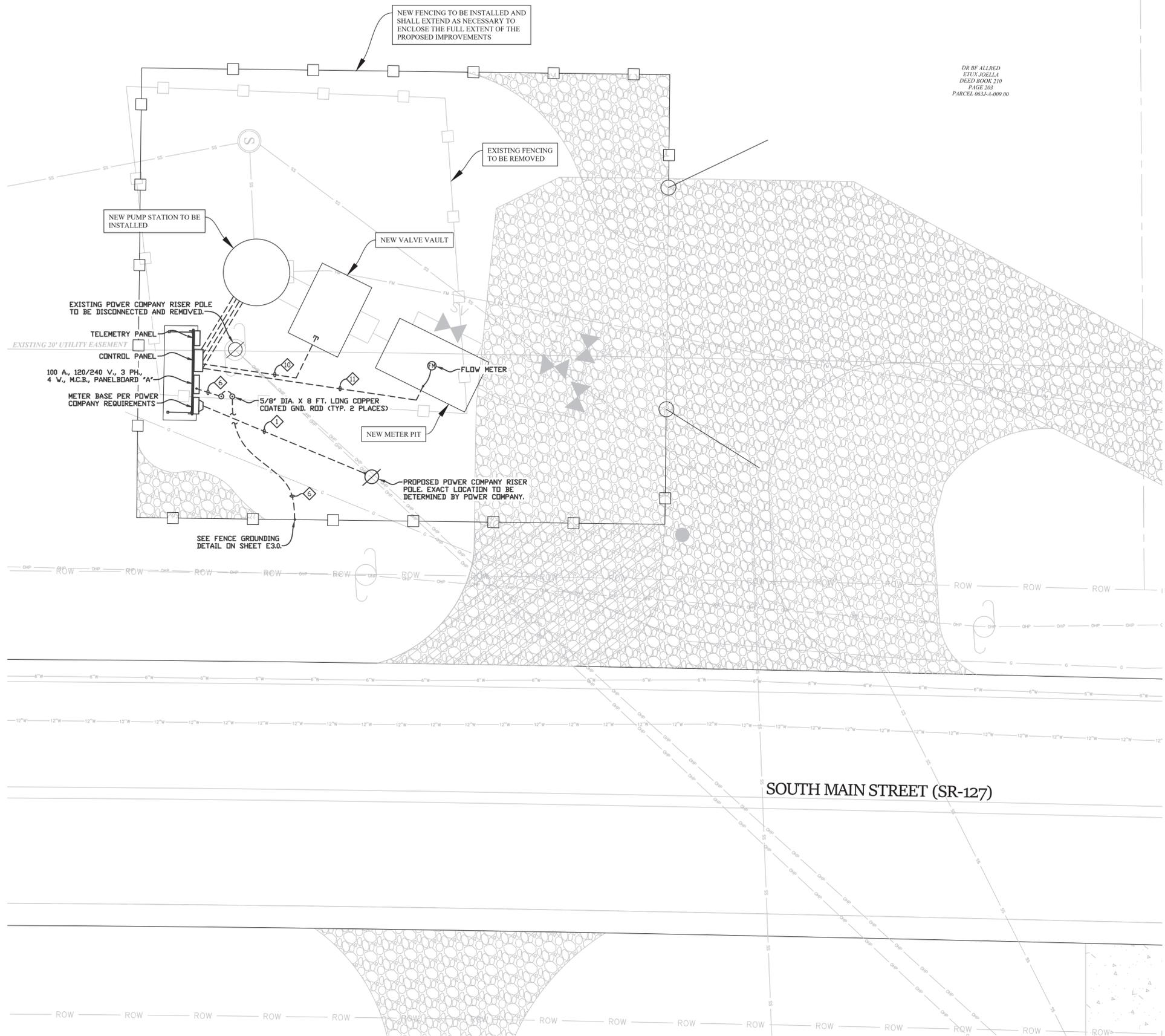
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A	FINAL PLANS	11/12/2025

**SOUTH MAIN PUMP STATION
PROPOSED SITE PLAN**

E 1.1



DR BF ALLED
ETUX JOELLA
DEED BOOK 210
PAGE 203
PARCEL 0633-A-009.00



- NOTES:**
- 1 THE ELECTRICAL CONTRACTOR IS TO CONFIRM ALL SERVICE ENTRANCE INSTALLATIONS WITH THE LOCAL POWER COMPANY AND COMPLY WITH ALL NECESSARY REQUIREMENTS.
 - 2 THIS DRAWING IS DIAGRAMMATIC AND IS INTENDED TO SHOW THE GENERAL EXTENT OF THE PROPOSED MODIFICATIONS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED MODIFICATIONS AND MEET ALL REQUIREMENTS OF STATE AND LOCAL CODES.
 - 3 THE ELECTRICAL CONTRACTOR SHALL REFER TO THE CIVIL, STRUCTURAL AND PIPING PLAN FOR ALL DIMENSIONS, SECTIONS, DETAILS, ELEVATIONS, VOLTAGE REQUIREMENTS AND PHYSICAL SIZE OF ALL EQUIPMENT FURNISHED BY OTHER TRADES. COORDINATE AND ADJUST ALL ELECTRICAL INSTALLATIONS ACCORDINGLY.
 - 4 ALL CONDUIT ROUTING SHOWN IS DIAGRAMMATIC. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL OF THE RACEWAY INSTALLATIONS WITH OTHER TRADES TO AVOID INTERFERENCES WITH STRUCTURES AND PIPING. MAINTAIN APPROX. 24" CLEARANCE BETWEEN BURIED CONDUIT AND ALL STRUCTURES.
 - 5 ALL PROPOSED POWER, CONTROL, AND SIGNAL WIRING & CABLES SHALL BE PROPERLY IDENTIFIED AND LABELED WITH AN APPROVED MARKING SYSTEM AT ALL LOCATIONS AS CALLED FOR THE DETAILED SPECIFICATIONS. ALL POWER AND BRANCH CIRCUIT WIRING SHALL BE TAGGED TO MATCH MOTOR CONTROL CENTER OR PANEL SCHEDULES. ALL MOTOR LEAD WIRING SHALL BE TAGGED TO MATCH MOTOR NUMBERS WITH T1, T2, T3 IDENTIFYING EACH LEAD. ALL CONTROL AND SIGNAL WIRING SHALL BE TAGGED TO MATCH THE EQUIPMENT VENDOR'S DETAILED INTERCONNECTION DRAWINGS.
 - 6 ALL WIRING METHODS AND ELECTRICAL INSTALLATIONS SHALL CONFORM TO NFPA 70 - STANDARD FOR FIRE PROTECTION IN WASTEWATER TREATMENT AND COLLECTION FACILITIES.
 - 7 ALL ELECTRICAL INSTALLATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE 2017 EDITION OF THE NATIONAL ELECTRICAL CODE AND THE 2021 INTERNATIONAL BUILDING CODE.
 - 8 ALL DEMOLITION WORK AND INSTALLATION OF PROPOSED ELECTRICAL SYSTEMS SHALL BE PERFORMED IN ACCORDANCE WITH GENERAL CONTRACTOR'S DETAILED PHASING SEQUENCE. ALL NECESSARY EXISTING & PROPOSED PANELBOARDS & CIRCUITS SHALL BE TEMPORARILY POWERED AS REQUIRED.
 - 9 CONTRACTOR TO COORDINATE INSTALLATION OF PROPOSED PUMP CONTROL PANEL WITH PUMPS SUPPLIER. PROVIDE ALL POWER AND CONTROL'S CONDUIT AND CONDUCTORS FOR INTERCONNECTION OF CONTROL PANEL AND PUMPING EQUIPMENT AS REQUIRED.

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25032-E1.1

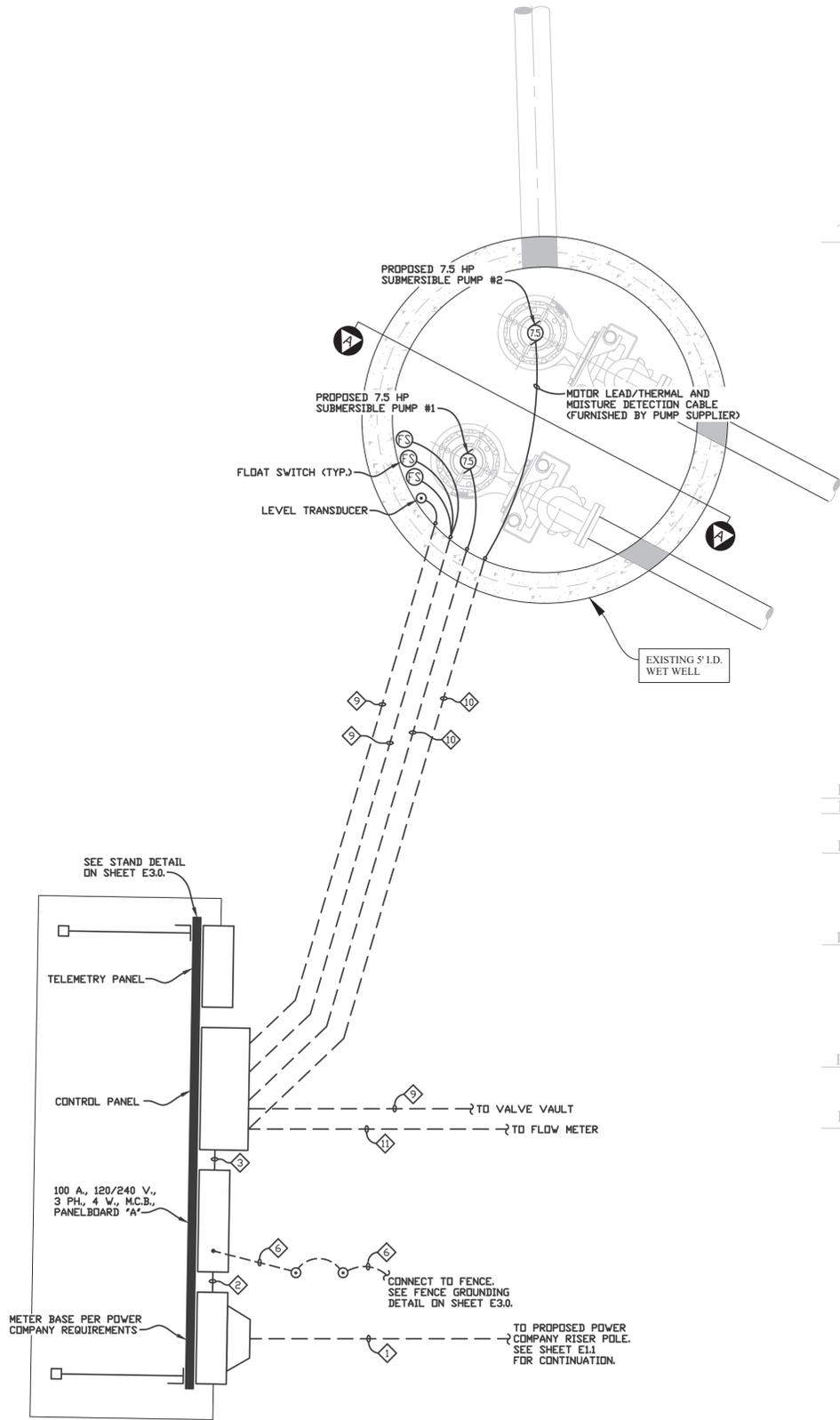
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**2024 CDBG JAMESTOWN
SEWER IMPROVEMENTS**

FENTRESS COUNTY



DATE: 11/12/2025



ELECTRICAL PLAN
SCALE: 3/4" = 1'-0"

TOP OF WET WELL ELEVATION : 1682.1'

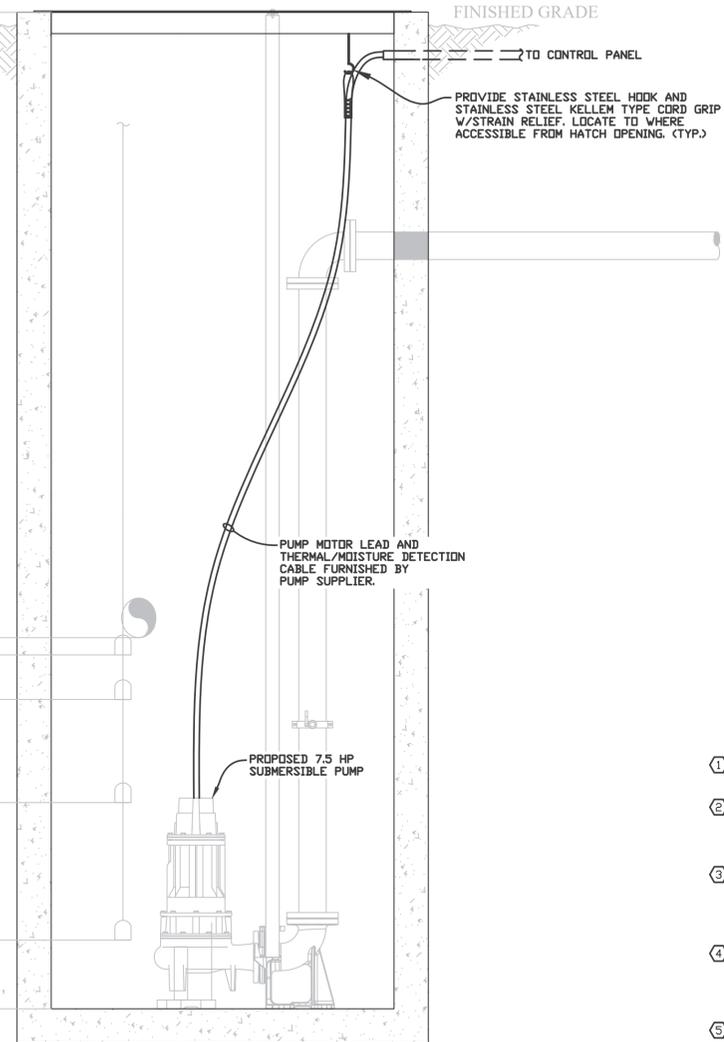
INVERT ELEVATION: 1673'
HIGH WATER ALARM ELEVATION: 1673.75'

HIGH LEVEL ON ELEVATION: 1672.6'

LOW LEVEL ON ELEVATION: 1671.1'

PUMPS OFF ELEVATION: 1669.1'

BOTTOM OF WET WELL ELEVATION: 1668.1'



ELECTRICAL SECTION A-A
SCALE: 3/4" = 1'-0"

- NOTES:**
- THE ELECTRICAL CONTRACTOR IS TO CONFIRM ALL SERVICE ENTRANCE INSTALLATIONS WITH THE LOCAL POWER COMPANY AND COMPLY WITH ALL NECESSARY REQUIREMENTS.
 - THIS DRAWING IS DIAGRAMMATIC AND IS INTENDED TO SHOW THE GENERAL EXTENT OF THE PROPOSED MODIFICATIONS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED MODIFICATIONS AND MEET ALL REQUIREMENTS OF STATE AND LOCAL CODES.
 - THE ELECTRICAL CONTRACTOR SHALL REFER TO THE CIVIL, STRUCTURAL AND PIPING PLAN FOR ALL DIMENSIONS, SECTIONS, DETAILS, ELEVATIONS, VOLTAGE REQUIREMENTS AND PHYSICAL SIZE OF ALL EQUIPMENT FURNISHED BY OTHER TRADES. COORDINATE AND ADJUST ALL ELECTRICAL INSTALLATIONS ACCORDINGLY.
 - ALL CONDUIT ROUTING SHOWN IS DIAGRAMMATIC. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL OF THE RACEWAY INSTALLATIONS WITH OTHER TRADES TO AVOID INTERFERENCES WITH STRUCTURES AND PIPING. MAINTAIN APPROX. 24" CLEARANCE BETWEEN BURIED CONDUIT AND ALL STRUCTURES.
 - ALL PROPOSED POWER, CONTROL, AND SIGNAL WIRING & CABLES SHALL BE PROPERLY IDENTIFIED AND LABELED WITH AN APPROVED MARKING SYSTEM AT ALL LOCATIONS AS CALLED FOR THE DETAILED SPECIFICATIONS. ALL POWER AND BRANCH CIRCUIT WIRING SHALL BE TAGGED TO MATCH MOTOR CONTROL CENTER OR PANEL SCHEDULES. ALL MOTOR LEAD WIRING SHALL BE TAGGED TO MATCH MOTOR NUMBERS WITH T1, T2, T3 IDENTIFYING EACH LEAD. ALL CONTROL AND SIGNAL WIRING SHALL BE TAGGED TO MATCH THE EQUIPMENT VENDOR'S DETAILED INTERCONNECTION DRAWINGS.
 - ALL WIRING METHODS AND ELECTRICAL INSTALLATIONS SHALL CONFORM TO NFPA 820 - STANDARD FOR FIRE PROTECTION IN WASTEWATER TREATMENT AND COLLECTION FACILITIES.
 - ALL ELECTRICAL INSTALLATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE 2017 EDITION OF THE NATIONAL ELECTRICAL CODE AND THE 2021 INTERNATIONAL BUILDING CODE.
 - ALL DEMOLITION WORK AND INSTALLATION OF PROPOSED ELECTRICAL SYSTEMS SHALL BE PERFORMED IN ACCORDANCE WITH GENERAL CONTRACTOR'S DETAILED PHASING SEQUENCE. ALL NECESSARY EXISTING & PROPOSED PANELBOARDS & CIRCUITS SHALL BE TEMPORARILY POWERED AS REQUIRED.
 - CONTRACTOR TO COORDINATE INSTALLATION OF PROPOSED PUMP CONTROL PANEL WITH PUMPS SUPPLIER. PROVIDE ALL POWER AND CONTROL'S CONDUIT AND CONDUCTORS FOR INTERCONNECTION OF CONTROL PANEL AND PUMPING EQUIPMENT AS REQUIRED.

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**SOUTH MAIN PUMP STATION
ELECTRICAL PLANS**

E 1.2

**2024 CDBG JAMESTOWN
SEWER IMPROVEMENTS**

FENTRESS COUNTY

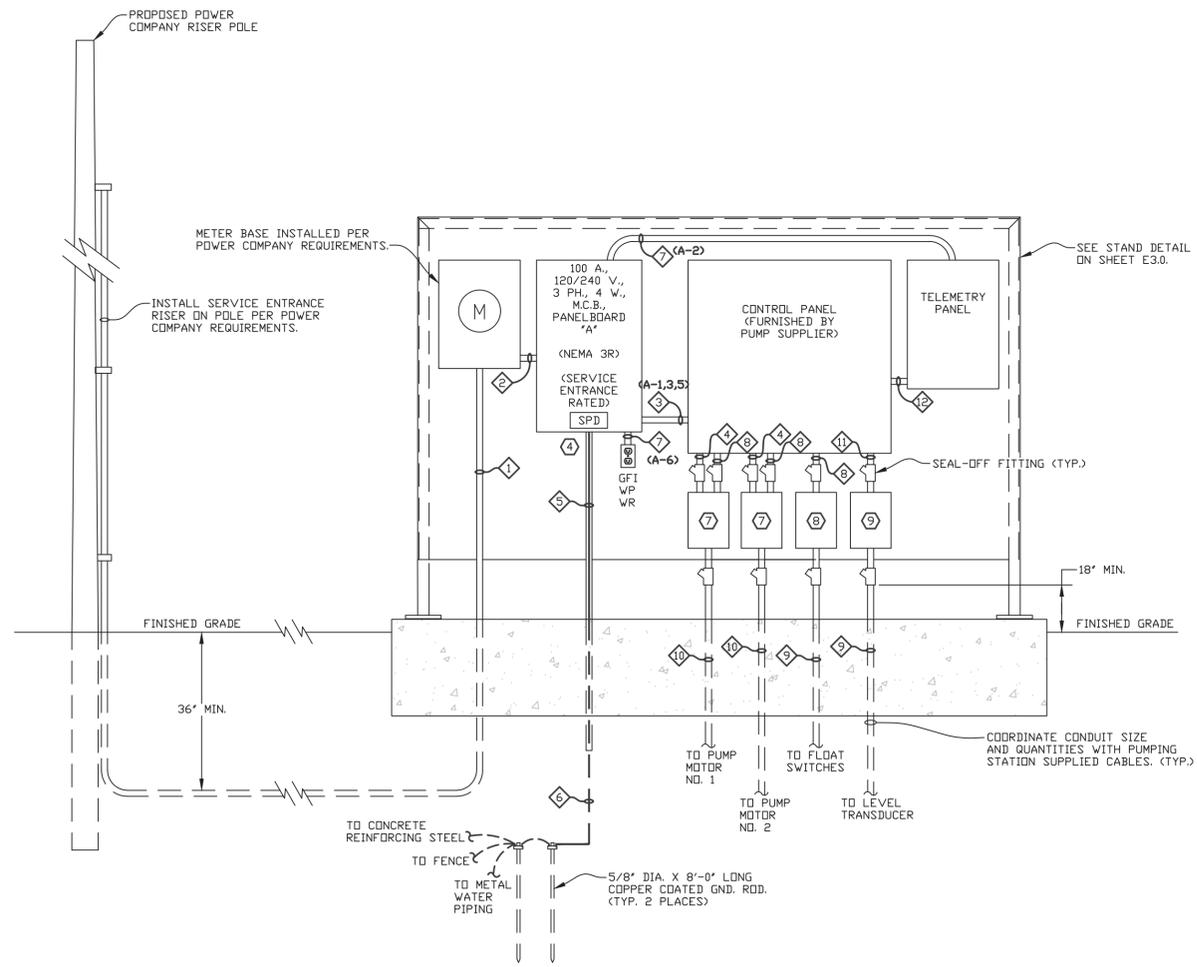


DATE: 11/12/2025

TYPE: _____		PANEL "A"		BUS AMPACITY: 100 A.	
SERVICE: 120/240 V., 3 PH., 4 W.		(SERVICE ENTRANCE RATED)		MAINS: 100 A.	
POLES: 3		* UNLESS OTHERWISE NOTED, SIZE CONDUITS PER NEC. BASE DN TYPE THHN.		NEUTRAL: FULL	
LOCATION: EQUIP. STAND				SHORT CIRCUIT RATING: 22,000 @	
<input checked="" type="checkbox"/> SURFACE <input type="checkbox"/> FLUSH				<input type="checkbox"/> NEMA 1 <input checked="" type="checkbox"/> NEMA 3R	

CKT. KVA		CB TRIP	CONDUIT	WIRE	LOAD NAME		LOAD NAME	WIRE	CONDUIT	CB TRIP	CKT. KVA			
ΦA	ΦB	ΦC									ΦA	ΦB	ΦC	
6.9	—	—	60/3	1 1/4	#6	PUMPING STATION CONTROL PANEL	1	2	TELEMETRY PANEL	#10	3/4	20/1	0.2	—
—	6.9	—	—	—	#6	PUMPING STATION CONTROL PANEL	3	4	UNUSABLE SPACE	—	—	—	—	—
—	—	6.9	—	—	#6	PUMPING STATION CONTROL PANEL	5	6	STAND RECPT.	#10	3/4	20/1	—	0.2
—	—	—	60/3	—	—	SPARE	7	8	SPARE	—	—	20/1	—	—
—	—	—	—	—	—	SPARE	9	10	UNUSABLE SPACE	—	—	—	—	—
—	—	—	—	—	—	SPARE	11	12	SPARE	—	—	20/1	—	—
—	—	—	—	—	—	SPARE	13	14	SPARE	—	—	20/1	—	—
—	—	—	—	—	—	UNUSABLE SPACE	15	16	UNUSABLE SPACE	—	—	—	—	—
—	—	—	—	—	—	SPACE	17	18	SPACE	—	—	—	—	—
—	—	—	—	—	—	SPACE	19	20	SURGE PROTECTION DEVICE	—	—	30/3	—	—
—	—	—	—	—	—	UNUSABLE SPACE	21	22	SURGE PROTECTION DEVICE	—	—	—	—	—
—	—	—	—	—	—	SPACE	23	24	SURGE PROTECTION DEVICE	—	—	—	—	—
6.9	6.9	6.9	TOTAL CONNECTED KVA:		21.1						0.2	—	0.2	

NOTE: (1) PROVIDE CIRCUIT BREAKER LOCKING MECHANISM ON CKT. NOS.
(2) DO NOT CONNECT ANY 120 V., 1 PH., 1 POLE CIRCUITS TO THE 'B' PHASE.
(3) IDENTIFY THE 'B' PHASE OR 'HI-LEG' CONDUCTOR BY AN OUTER FINISH THAT IS ORANGE IN COLOR AT EACH POINT WHERE A CONNECTION IS MADE IF THE NEUTRAL CONDUCTOR IS ALSO PRESENT.



RISER DIAGRAM
Scale: NONE

- NOTES:
- THE EXACT AIC RATING OF ALL PANELBOARDS SHALL BE COORDINATED WITH THE POWER COMPANY'S AVAILABLE FAULT CURRENT AND ADJUSTED ACCORDINGLY.
 - THE ELECTRICAL CONTRACTOR IS TO CONFIRM ALL SERVICE ENTRANCE INSTALLATIONS WITH THE LOCAL POWER COMPANY AND COMPLY WITH ALL NECESSARY REQUIREMENTS.
 - ALL FASTENERS USED TO SECURE ELECTRICAL DEVICES SHALL BE 316 STAINLESS.
 - FURNISH AND INSTALL AN INTERSYSTEM BONDING TERMINATION ADJACENT TO THE SERVICE ENTRANCE EQUIPMENT PER NEC ARTICLE 250.94.
 - ALL ELECTRICAL INSTALLATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE 2017 EDITION OF THE NATIONAL ELECTRICAL CODE AND THE 2021 INTERNATIONAL BUILDING CODE.
 - ALL ELECTRICAL INSTALLATIONS SHALL CONFORM TO SEISMIC INSTALLATION STANDARDS PER 2021 EDITION OF INTERNATIONAL BUILDING CODE AND ALL STATE AND LOCAL CODES.
 - NEMA 4X-SS JUNCTION BOX SIZED PER NEC FOR MOTOR LEAD CABLES WITH INTEGRAL THERMAL AND MOISTURE DETECTION CABLE. PROVIDE PROPERLY SIZED UL LISTED TERMINAL BLOCKS FOR CONNECTION.
 - NEMA 4X-SS JUNCTION BOX SIZED PER NEC FOR FLOAT SWITCHES CABLES. PROVIDE PROPERLY SIZED UL LISTED TERMINAL BLOCKS FOR CONNECTION.
 - NEMA 4X-SS JUNCTION BOX SIZED PER NEC FOR LEVEL TRANSDUCER CABLES. PROVIDE PROPERLY SIZED UL LISTED TERMINAL BLOCKS FOR CONNECTION.
 - PROVIDE SEALING FITTINGS AS REQUIRED BY THE NATIONAL ELECTRICAL CODE FOR CLASS 1, DIVISION 2 INSTALLATIONS.
 - ALL WIRING METHODS AND ELECTRICAL INSTALLATIONS SHALL CONFORM TO NFPA 820 - STANDARD FOR FIRE PROTECTION IN WASTEWATER TREATMENT AND COLLECTION FACILITIES.

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**ELECTRICAL
PANEL SCHEDULE
AND RISER DIAGRAM**

E2.0

2024 CDBG JAMESTOWN SEWER IMPROVEMENTS

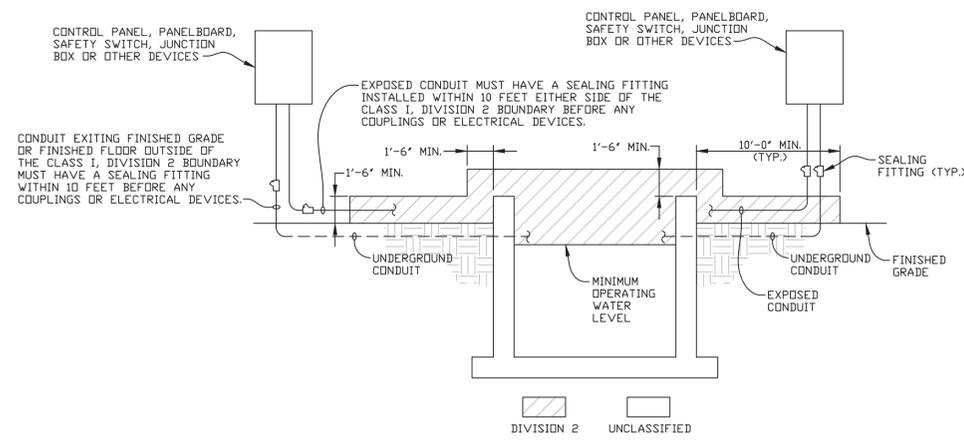
FENTRESS COUNTY



DATE: 11/12/2025

CONDUIT & WIRE DESIGNATION SCHEDULE	
DESIG.	DESCRIPTION
1	3' C., EMPTY W/PULLWIRE
2	1 1/2' C., 4-#3 THHN/THWN CU. & 1-#8 THHN/THWN CU. GND.
3	1 1/4' C., 4-#6 THHN/THWN CU. & 1-#10 THHN/THWN CU. GND.
4	1' C., 3-#10 THHN/THWN CU. & 1-#10 THHN/THWN CU. GND.
5	1' C., #6 BARE CU.
6	#6 BARE CU.
7	3/4' C., 2-#10 THHN/THWN CU. & 1-#10 THHN/THWN CU. GND.
8	3/4' C., 8-#14 THHN/THWN CU. & 1-#12 THHN/THWN CU. GND.
9	1' C., EMPTY W/PULLWIRE
10	1 1/2' C., EMPTY W/PULLWIRE
11	1' C., 2 EA. - 2/C-#16 AWG TWISTED PAIR, SHIELDED CABLES & 1-#12 THHN/THWN CU. GND.
12	3/4' C., 12-#14 THHN/THWN CU. & 1-#12 THHN/THWN CU. GND.

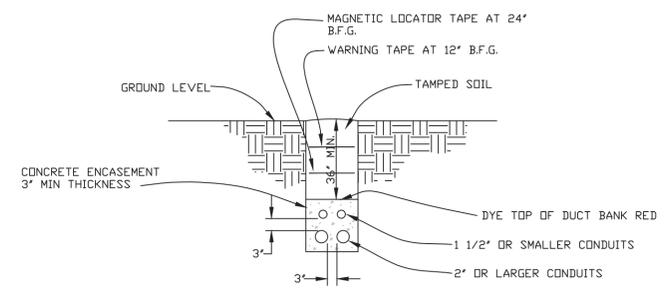
ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	CONDUIT CONCEALED IN WALL OR CEILING
	CONDUIT CONCEALED IN FLOOR SLAB OR UNDERGROUND
	CONDUIT EXPOSED ON WALL OR CEILING
	CAPPED CONDUIT
	FLEXIBLE CONDUIT
	WEATHERPROOF CABLE
	JUNCTION BOX
	PULL BOX
	SINGLE POLE SWITCH, 20 AMP, MTD. HT. PER SPECS.
	SWITCH - 3 WAY, 20 AMP, MTD. HT. PER SPECS.
	SWITCH - 4 WAY, 20 AMP, MTD. HT. PER SPECS.
	DOUBLE POLE, SINGLE THROW SWITCH, 20 AMP, MTD. HT. PER SPECS.
	WEATHERPROOF SWITCH, MTD. HT. PER SPECS.
	MANUAL MOTOR SWITCH W/ THERMAL PROTECTION
	CEILING MTD. OCCUPANCY SENSOR
	CEILING MTD. DAYLIGHT HARVESTER
	PHOTOELECTRIC CELL
	HAND - OFF - AUTO SELECTOR SWITCH
	START - STOP PUSHBUTTON STATIONS
	THERMOSTAT
	SINGLE RECEPTACLE - 20 AMP.
	DUPLEX RECEPTACLE - MTD. HT. PER SPECS.
	DOUBLE DUPLEX RECEPTACLE - MTD. HT. PER SPECS.
	WEATHERPROOF DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTER TYPE
	DUPLEX RECEPTACLE, MTD. ABOVE COUNTER
	DOUBLE DUPLEX RECEPTACLE, MTD. ABOVE COUNTER
	208/230 VOLT RECEPTACLE, VOLTAGE, POLES AS INDICATED
	DUPLEX RECEPTACLE - HALF HOT, HALF SWITCHED
	DUPLEX RECEPTACLE - ISOLATED GROUND
	WELDING RECEPTACLE - 60 AMP, VOLTAGE, POLES AS INDICATED
	FLOOR RECEPTACLE
	FLOOR TYPE TELEPHONE OUTLET
	FLOOR TYPE DATA/COMM. OUTLET
	TELEPHONE OUTLET - MTD. HT. & CONDUIT SIZE PER SPECS.
	TELEPHONE OUTLET - MTD. ABOVE COUNTER, COND. SIZE PER SPECS.
	TELEPHONE OUTLET - WALL MOUNTED, CONDUIT SIZE PER SPECS.
	TELEVISION SYSTEM ANTENNA OUTLET, 3/4' C. TO ACCESSIBLE CEILING SPACE
	TELEVISION ANTENNA JACK
	COMPUTER TERMINAL OUTLET, 3/4' C. TO ACCESSIBLE CEILING SPACE
	DATA/COMM. OUTLET, 2 GANG BOX, SINGLE PLASTER RING, 3/4' C.
	SURFACE MOUNTED FIXTURE W/IDENTIFICATION, INCAND., PL FLUOR., OR H.I.D.
	WALL BRACKET FIXTURE, INCANDESCENT OR PL FLUOR.
	RECESSED FIXTURE, INCANDESCENT, PL TYPE FLUOR., OR H.I.D.
	FLUORESCENT FIXTURE, SURFACE OR RECESSED, 2X2, 1X4, 2X4
	FLUORESCENT FIXTURE, OPEN TUBE STRIP, SURFACE MTD.
	DISCONNECT SWITCH, FUSIBLE, 30 AMP / 3 POLE
	DISCONNECT SWITCH, NON-FUSIBLE, 30 AMP / 3 POLE
	DISCONNECT SWITCH, NON-FUSIBLE, RAIN TIGHT, 30 AMP / 3 POLE
	EXHAUST FAN
	DISTRIBUTION PANEL
	LIGHTING OR BRANCH CIRCUIT PANELBOARD
	EMERGENCY LIGHT
	EMERGENCY LIGHT / EXIT LIGHT COMBINATION
	EXIT LIGHT
	OUTSIDE LIGHTING FIXTURE, POLE TYPE
	MOTOR CONTROLLER OR STARTER, MAGNETIC
	MOTOR CONTROLLER OR STARTER, MANUAL
	COMBINATION STARTER AND DISCONNECT
	MOTOR W/ APPROXIMATE HORSEPOWER
	METAL, ALUMINUM, OR STEEL POLE
	WOOD POLE
	DESIGNATES HEATER TYPE
	DESIGNATES NOTE NUMBER
	DESIGNATES CONDUIT & WIRE DESCRIPTION PER SCHEDULE
	GROUNDING ELECTRODE AND CONDUCTOR SYSTEM
	GROUNDING ELECTRODE SYSTEM
	PRESSURE SWITCH
	FLOW TRANSMITTER
	SOLENOID VALVE
	ELECTRICALLY ACTUATED BALL VALVE W/POSITION INDICATION
	FLOAT SWITCH
	PRESSURE TRANSMITTER
	LIMIT SWITCH
	RATE OF FLOW CONTROLLER
	MOTOR OPERATED VALVE
	LOSS OF HEAD TRANSMITTER
	LEVEL TRANSMITTER



TYPICAL CLASS I, DIVISION 2 INSTALLATION DETAIL

Scale: NONE

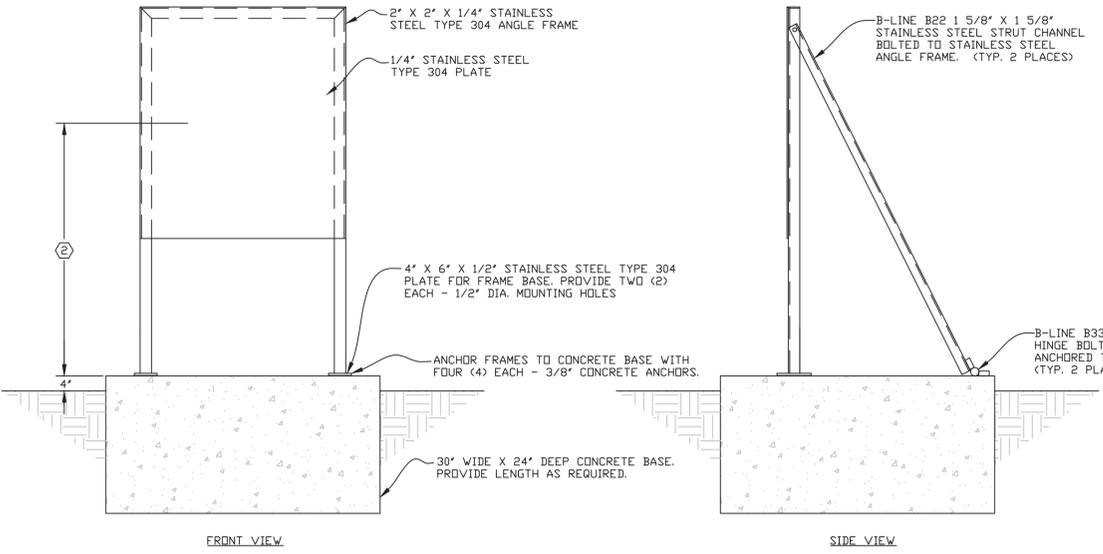
- NOTE:
- ALL EQUIPMENT, DEVICES, WIRING METHODS AND ELECTRICAL INSTALLATIONS SHALL CONFORM TO NFPA 820 - STANDARD FOR FIRE PROTECTION IN WASTEWATER TREATMENT AND COLLECTION FACILITIES. REFER TO NFPA TABLES 4.2.2, 5.2.2 AND 6.2.2.
 - ALL EQUIPMENT, DEVICES, WIRING METHODS AND ELECTRICAL INSTALLATIONS SHALL CONFORM TO NATIONAL ELECTRICAL CODE CLASS I, DIVISION 1 OR 2, HAZARDOUS LOCATIONS PER ARTICLE 501.
 - ALL ELECTRICAL DEVICES AND INSTALLATIONS LOCATED WITHIN A 10 FOOT ENVELOPE AROUND EQUIPMENT AND OPEN CHANNEL SHALL BE INSTALLED HIGH ENOUGH FOR A SEALING FITTING TO BE MOUNTED IN THE RACEWAY HIGHER THAN 18 INCHES ABOVE FINISHED GRADE OR FINISHED FLOOR PER NFPA 820 TABLES 4.2.2, 5.2.2 AND 6.2.2. NO UNION, COUPLING, BOX OR OTHER FITTING SHALL BE INSTALLED BETWEEN THE HAZARDOUS LOCATION AND THE SEALING FITTING.



UNDERGROUND CONDUIT INSTALLATION DETAIL

Scale: NONE

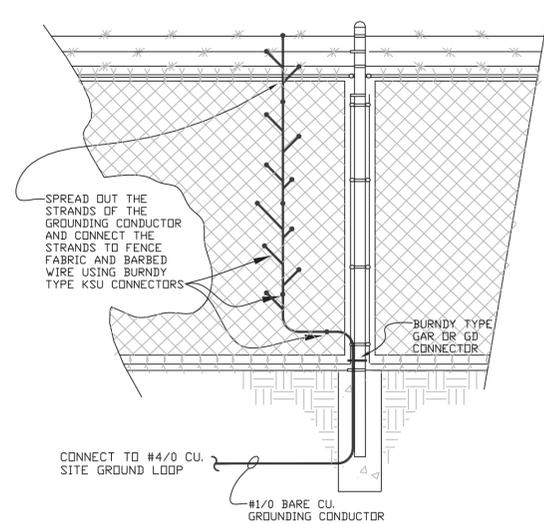
- NOTE:
- CONTACT ENGINEER FOR INSTALLATION DEPTH VARIATION IN AREAS CONTAINING BURIED PIPING AND OTHER STRUCTURES.
 - CONDUIT SEPARATION SHALL BE MAINTAINED BY USE OF PVC CONDUIT SPACERS.



STAND DETAIL

Scale: NONE

- NOTE:
- ALL FASTENERS USED TO SECURE ELECTRICAL DEVICES TO FRAMES AND ANCHOR BOLTS SHALL BE 316 STAINLESS.
 - ELECTRICAL EQUIPMENT SHALL BE MOUNTED 4'-0" MINIMUM TO CENTERLINE OF ELECTRICAL EQUIPMENT.



- NOTES:
- FENCE GROUNDING CONDUCTOR MUST BE ROUTED UP FENCE AT POST LOCATION ONLY.
 - WEAVE GROUNDING CONDUCTORS IN FENCE BEFORE ATTACHING CONNECTORS.

FENCE GROUNDING DETAIL

Scale: NONE

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REVISION BLOCK

NO.	REVISION:	DATE:
A	FINAL PLANS	11/12/2025

ELECTRICAL SCHEDULES, DETAILS AND LEGEND

E3.0

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