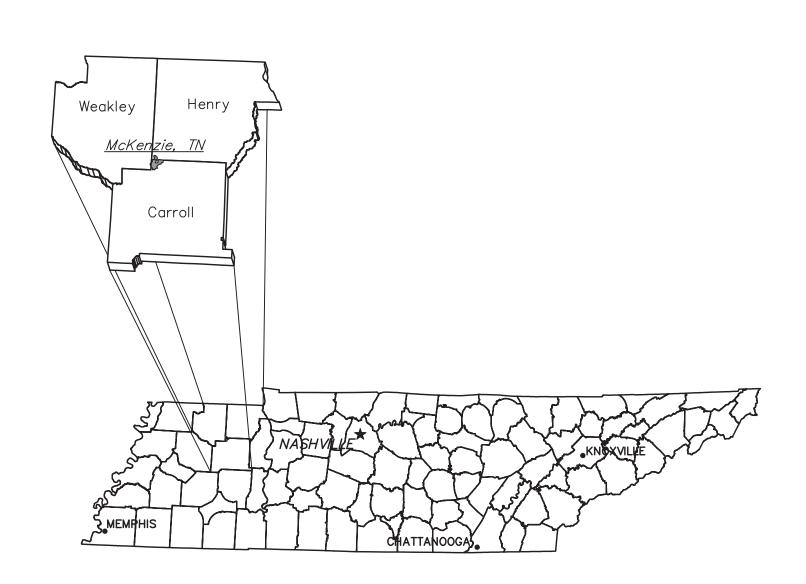
# SEWER REHABILITATION DAVID STREET AND COLE STREET PUMPSTATIONS

### TOWN OF MCKENZIE, TENNESSEE





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SHEET	DESCRIPTION	
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C-02	SITE MAP DAVID STREET DEMOLITION PLAN	
C-03	SITE MAP DAVID STREET NEW PUMP STATION	
C-04	SITE MAP COLE STREET DEMOLITION PLAN	
C-05	SITE MAP COLE STREET NEW PUMP STATION	
EC-06	EROSION CONTROL STANDARD DETAILS	



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WPIN23.003

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

12/14/2023

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

PROJECT LOCATION MAP SCALE: 1" = 300'

#### **EROSION & SEDIMENT CONTROL NOTES:**

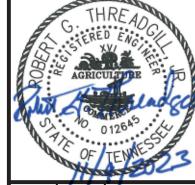
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
- NO WORK MAY PROCEED UNTIL A NOTICE OF COVERAGE (NOC) HAS BEEN ISSUED BY THE STATE OF TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION.
- THE SWPPP SHALL BE AVAILABLE AT THE SITE FOR REVIEW AT ALL TIMES.
- AT A MINIMUM, THE CONTRACTOR SHALL INSTALL SILT FENCE ON THE DOWNHILL SIDE OF THE PROPOSED CONSTRUCTION AREA.
- CONTRACTOR SHALL PROVIDE DITCH CHECKS AS REQUIRED.
- CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY EROSION CONTROL BLANKET/MATTING ON ALL SLOPES GREATER THAN 4:1 UNLESS NOTED OTHERWISE.
- ALL AREAS TO REMAIN BARE MORE THAN 15 DAYS SHALL BE TEMPORARILY STABILIZED IN ACCORDANCE WITH THE CURRENT BEST MANAGEMENT PRACTICES (BMP'S).
- TDEC REGULATIONS REQUIRE THAT STABILIZATION MEASURES BE INITIATED WITHIN 7 DAYS AFTER CONSTRUCTION OR LAND DISTURBANCE ACTIVITIES HAVE BEEN TEMPORARILY OR PERMANENTLY TERMINATED.
- THE ONLY EXCEPTIONS, FOR NOTE 8, ARE FOR CASES WHERE SNOW COVER, FROZEN GROUND, OR EXCESSIVELY WET CONDITIONS PRECLUDE INITIATION OF STABILIZATION OR WHERE LAND DISTURBANCE ACTIVITIES WILL BE RESUMED ON THAT PORTION OF THE SITE WITHIN 15 DAYS.
- EROSION CONTROL MEASURES SHALL BE CHECKED AND REPAIRED IF NECESSARY AT LEAST TWICE EACH CALENDAR WEEK IN ACCORDANCE WITH THE SWPPP.
- 11. ALL EROSION CONTROL MEASURES UTILIZED WITHIN STATE OF TENNESSEE ROW'S SHALL MEET OR EXCEED THE TDOT REQUIREMENTS.
- 12. EROSION AND SEDIMENT CONTROL MEASURES AND STRUCTURES SHALL BE **INSPECTED TWICE A WEEK 72 HOURS APART**

#### **GENERAL NOTES**

- 1. THE CONTRACTOR SHALL RESTORE ALL CULVERTS, FENCES, WALLS, SMALL ORNAMENTAL TREES, CULTIVATED SHRUBS, FLOWERS, SIGNS, LIGHTS AND POWER POLES, STREET MARKERS, MAIL BOXES, WATER AND GAS LINES, WATER AND GAS METERS AND BOXES INCLUDING SHUT-OFFS, AND LAWNS DISTURBED BY CONSTRUCTION OPERATIONS TO THEIR ORIGINAL CONDITIONS. THE COST OF THIS WORK SHALL BE MERGED IN THE UNIT BID AND
- CONTRACT PRICES FOR THE PROPOSED WORK.
- WHERE IN EASEMENTS THE CONTRACTOR SHALL PROTECT AND RESTORE SAID PROPERTY TO CONDITION SIMILAR OR EQUAL TO THAT EXISTING AT THE COMMENCEMENT OF CONSTRUCTION, EXCEPT AS NOTED.
- 3. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES. BEFORE CONSTRUCTION, CONTRACTOR SHALL CONTACT:

TENNESSEE811 DIAL 811 (OR 1-800-351-1111) 72 HOURS NOTICE

- 4. IF ANY EXISTING STORM SEWERS ARE SUBSTANTIALLY DAMAGED AS DETERMINED BY THE A/E AND OR OWNER, THE REPAIR SHALL BE MADE WITH R.C.P. PIPE FROM STRUCTURE-TO-STRUCTURE. PIPE SIZE SHALL BE EQUAL TO EXISTING.
- 5. SUFFICIENT PRECAUTIONS SHALL BE TAKEN DURING CONSTRUCTION TO MINIMIZE THE RUN-OFF OF POLLUTING SUBSTANCES SUCH AS SILT, CLAY, FUELS, OILS, BITUMENS, CALCIUM CHLORIDE, OR OTHER POLLUTING MATERIALS HARMFUL TO HUMANS, FISH OR OTHER LIFE, INTO THE SUPPLIES AND SURFACE WATERS OF THE STATE. CONTROL MEASURES MUST BE ADEQUATE TO ASSURE THAT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS ARE MET. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT THE LAWS AND REGULATIONS ARE MET AND IS RESPONSIBLE FOR ENSURING THAT CONSTRUCTION DOES NOT HARM THE WATERS OF TENNESSEE. THE PROTECTION OF THE SITE SHALL CONTINUE THROUGHOUT THE CONSTRUCTION PERIOD. SPECIAL PRECAUTIONS SHALL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT OPERATIONS WHICH PROMOTE EROSION.
- 6. THE TEMPORARY POLLUTION CONTROL PROVISIONS SHALL BE COORDINATED WITH THE PERMANENT EROSION CONTROL MEASURES. TO ENSURE ECONOMICAL, EFFECTIVE, AND CONTINUOUS EROSION CONTROL THROUGHOUT THE CONSTRUCTION AND POST-CONSTRUCTION PERIOD OF THE PROJECT. NATURAL COVER SHOULD BE MAINTAINED AS LONG AS POSSIBLE AND GRADED AREAS SHOULD BE STABILIZED AS SOON AS POSSIBLE.
- 7. THE CONTRACTOR SHALL OBTAIN ALL PERMITS FROM THE APPROPRIATE FEDERAL, STATE, COUNTY AND/OR LOCAL AGENCIES TO CROSS ALL HIGHWAYS, STREETS, STREAMS, EASEMENTS, ETC...
- 8. STATE HIGHWAY RIGHT-OF-WAY INFORMATION PROVIDED BY THE STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION. QUESTIONS CONCERNING R-O-W LOCATION ON ANY STATE HIGHWAY SHOULD BE REFERRED TO THE APPROPRIATE REGIONAL OFFICE OF THE STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION:
- 9. PROPERTY OWNERS AND PARCEL INFORMATION PROVIDED BY THE COUNTY REGISTRAR OF DEEDS.
- 10. SEWER INFORMATION PROVIDED BY THE CITY OF CROSSVILLE.
- 11. COUNTY ROAD RIGHT-OF-WAY INFORMATION PROVIDED BY THE COUNTY HIGHWAY DEPT. QUESTIONS CONCERNING R-O-W LOCATION ON ANY COUNTY ROAD SHOULD BE REFERRED TO THE COUNTY HIGHWAY DEPARTMENT.



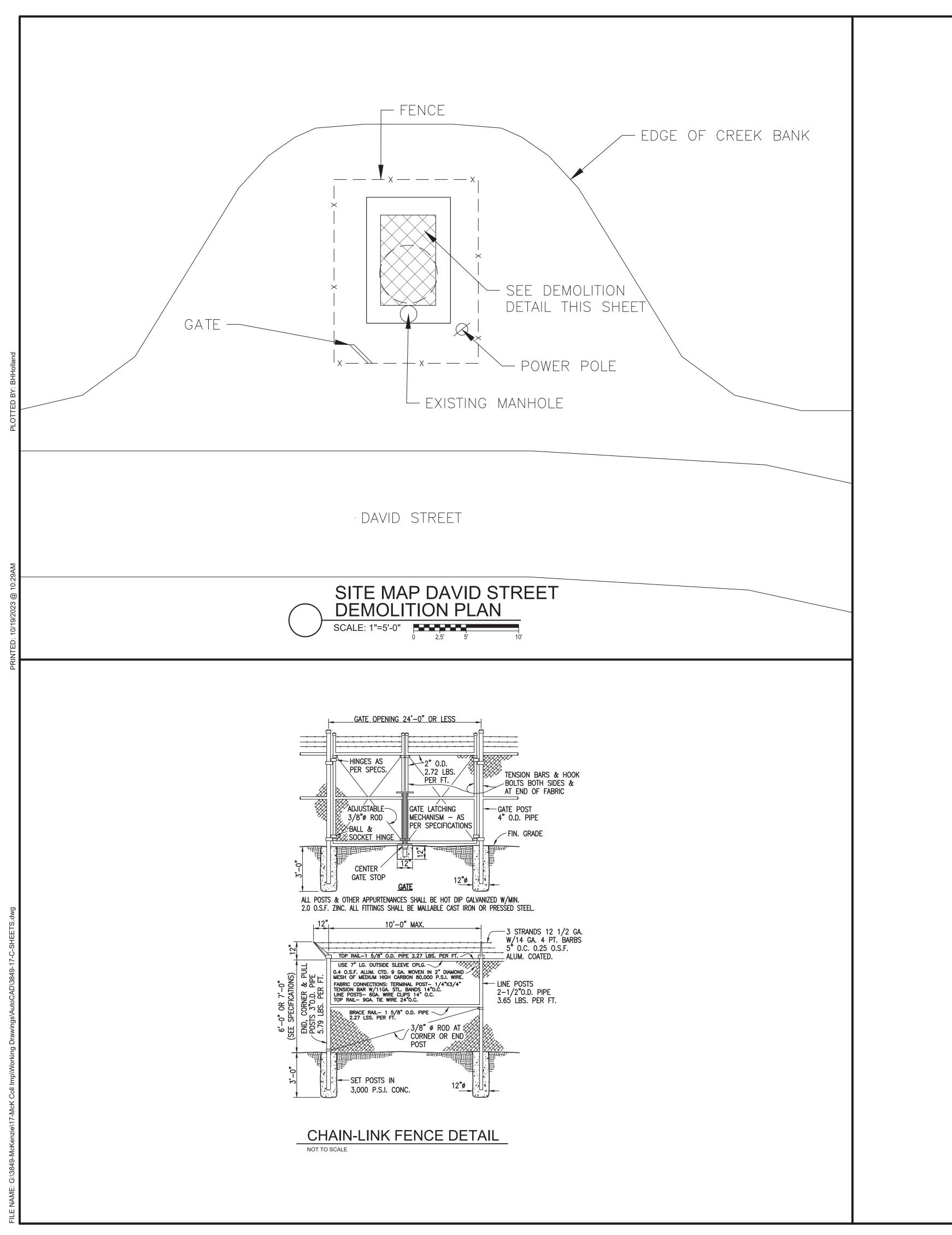
IN TENNESSEE DIAL 811 OR 1-800-351-1111

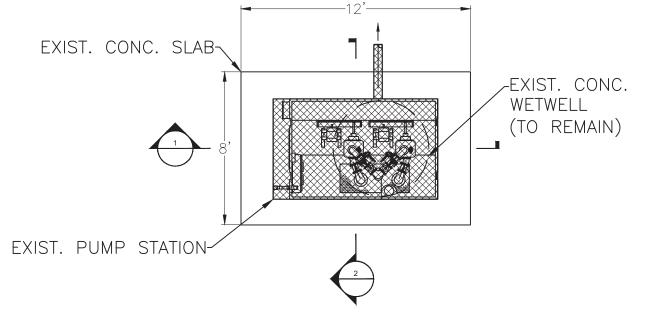
CALL BEFORE YOU DIG IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION. THE LOCATION OF UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND POSSIBLY INCOMPLETE, THEREFORE CERTIFICATION TO THE LOCATION OF ALL UNDERGROUND UTILITIES IS WITHHELD.

G-0 THREE WORKING DAYS BEFORE YOU DIG

1"= 300'

OCTOBER, 2023





SCALE: 1"=5'-0" 0 2.5' 5'

PLAN VIEW - DAVID STREET PUMP STATION

<u>DEMO LEGEND</u>

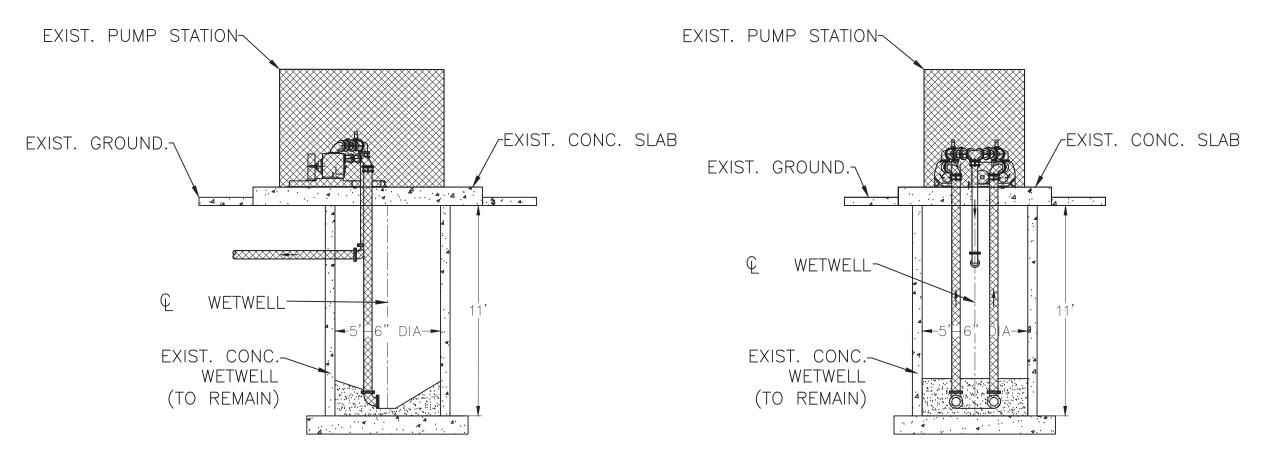
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STRUCTURE / PIPING TO BE REMOVED

INDICATES EXISTING CONC.
STRUCTURE

INDICATES EXISTING
EQUIPMENT / PIPING TO
REMAIN

GENERAL NOTES

A. CONTRACTOR TO REMOVE PACKAGE PUMP STATION (WITH CARE) TO LOCATION AS DIRECTED BY MCKENZIE STAFF. THIS STATION WILL BE USED AT A FUTURE LOCATION AND MUST BE PRESERVED.



SECTION VIEW

SCALE: 1"=5'-0"

0 2.5' 5' 10'

SECTION VIEW

SCALE: 1"=5'-0"

0 2.5' 5' 10'

THREAD COLORS

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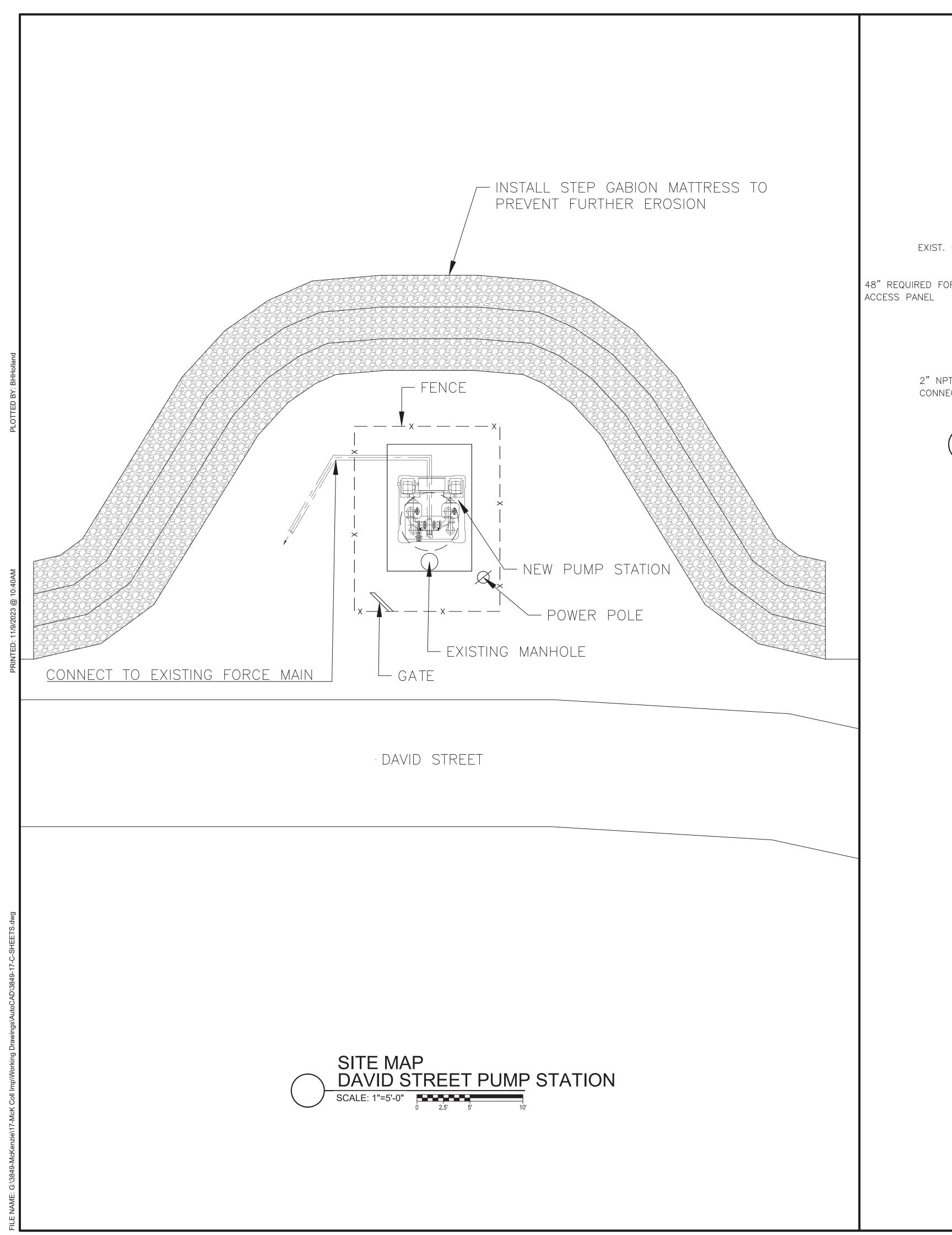
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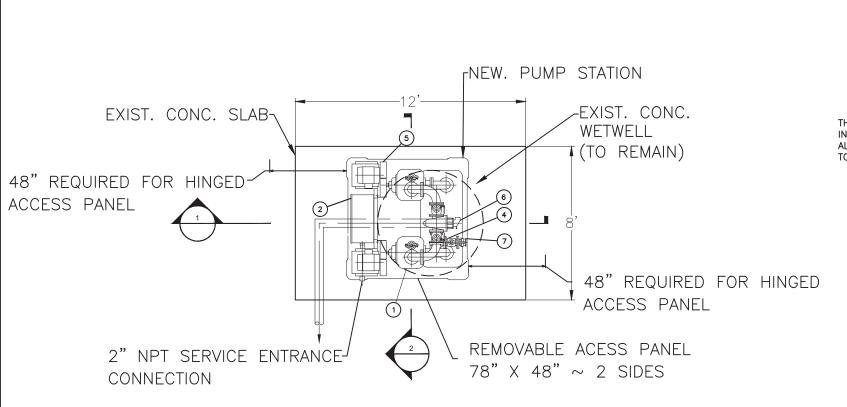
SITE MAP DAVID STREE
DEMOLITION PLAN
2022 CDBG SEWER REHAB - CONTR
CITY OF MCKENZIE, TENNESSE

NO. DESCRIPTION DATE BY LER BHH BHH BHH BHH BHH BHRK SHOULD MEASURE EXACTLY 1" WHEN PLOTTED LER LER

DATE:
OCTOBER, 2023
SCALE:

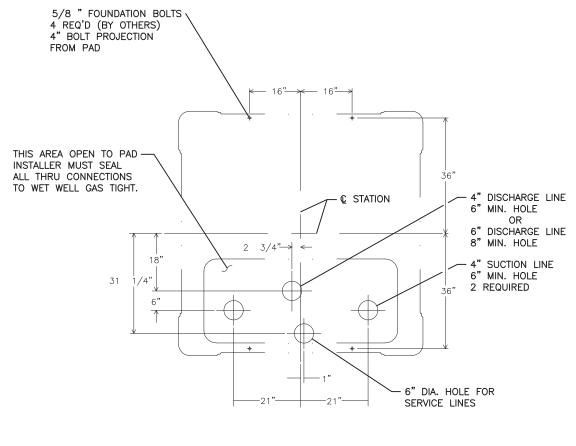
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## PLAN VIEW - DAVID STREET PUMP STATION SCALE: 1"=5'-0" 0 2.5' 5' 10'

David St. Pump Elev.			
Ground	496		
Gravity Line In	492.0		
Highwater Alarm	491.75		
Pump No. 2 On	491.5		
Pump No. 1 On	490.0		
Pumps Off	488.0		
Bottom Wetwell	485		



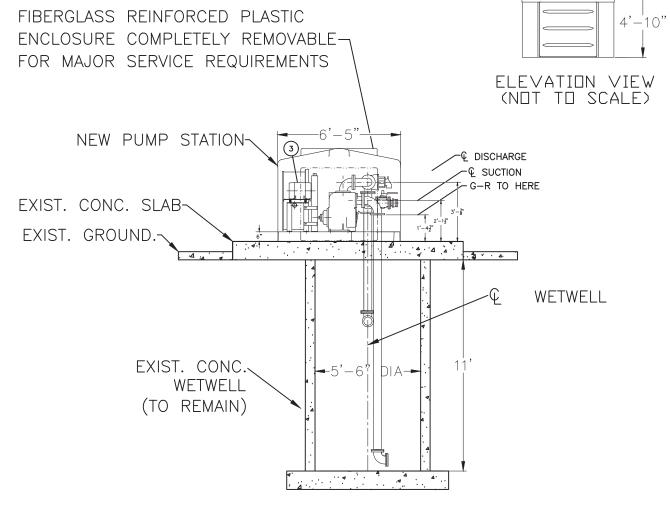
PLAN VIEW

DESCRIPTION	MATERIAL & SIZE
PUMP	CAST IRON T4-B
CONTROL PANEL	STAINLESS STEEL
MOTOR	CAST IRON
DISCHARGE CHECK VALVE	CAST IRON 4"
BELT GUARD ASSY	STEEL
DISCHARGE PLUG VALVE	CAST IRON 4" 3-WAY
BY-PASS PLUG VALVE	CAST IRON 3"
OPW FITTING	ALUMINUM
	CONTROL PANEL  MOTOR  DISCHARGE CHECK VALVE  BELT GUARD ASSY  DISCHARGE PLUG VALVE  BY-PASS PLUG VALVE

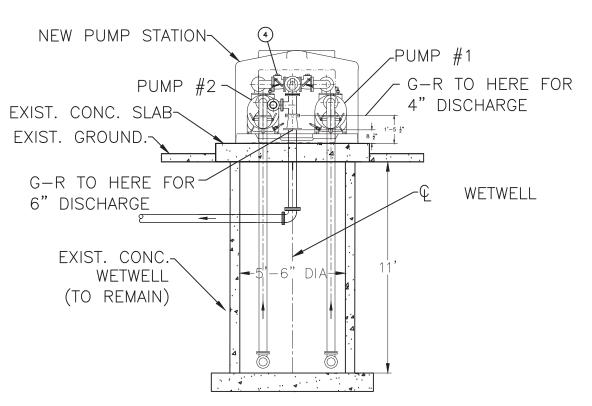
#### NOTE:

CUSTOMER SUCTION AND DISCHARGE CONNECTIONS ARE 125# FLANGE

T4A-B, 4" X 4" X 4" AS SHOWN T4A-B, 4" X 4" X 6" WITH INCREASER DISCHARGE BYPASS CONNECTION









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SITE MAP DAVID STREET

NEW PUMP STATION

2022 CDBG SEWER REHAB - CONTRAC

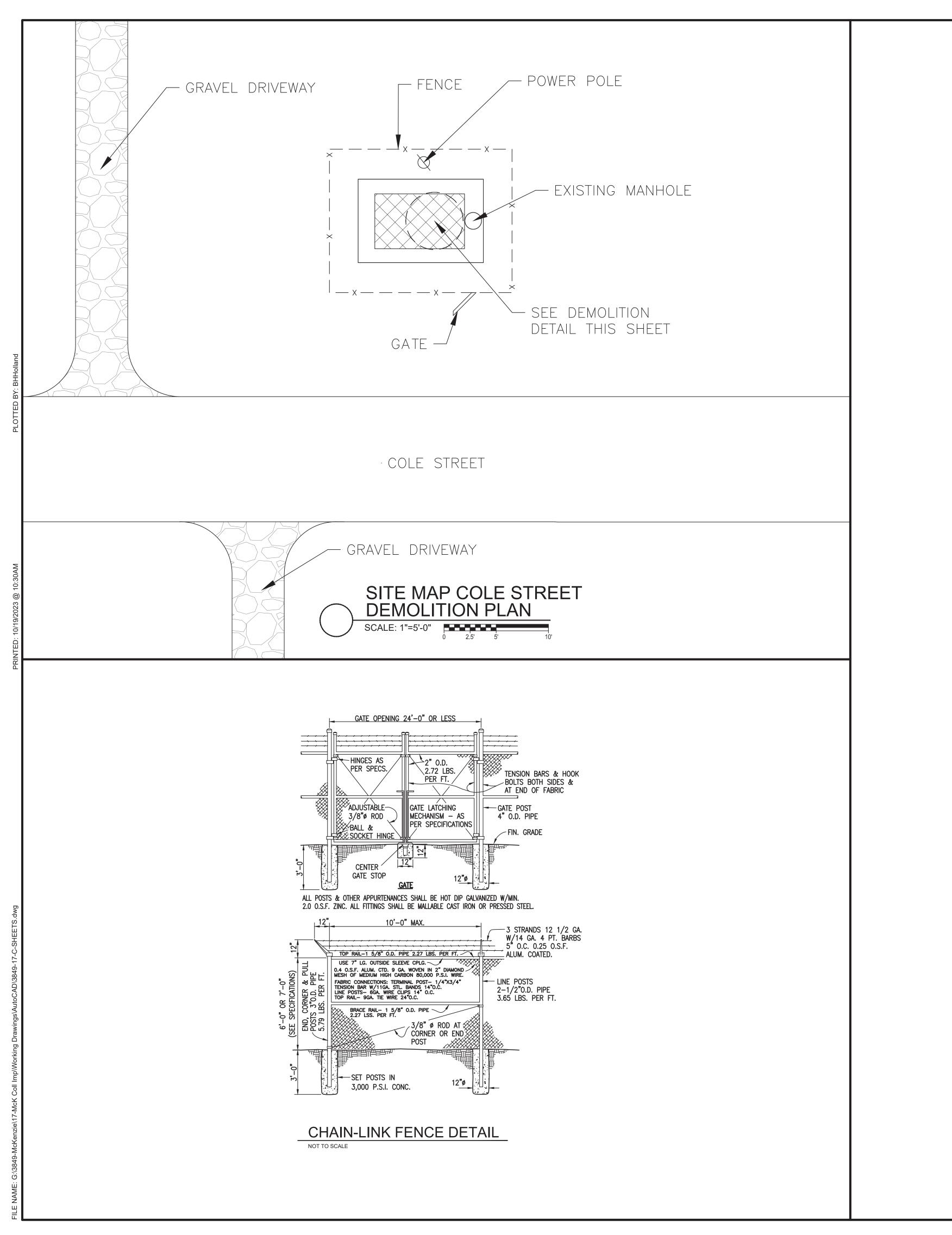
CITY OF MCKENZIE, TENNESSEE

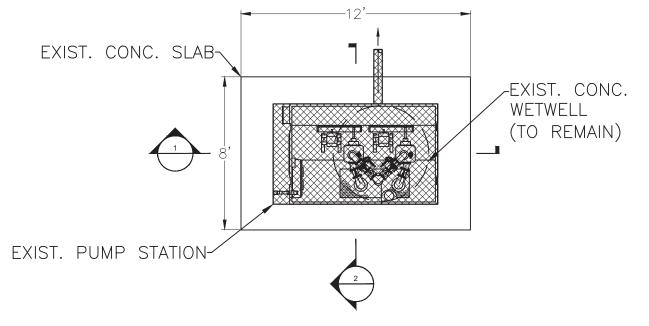
OCTOBER, 2023

SCALE:

1"= 5'

C-03





SCALE: 1"=5'-0" 0 2.5' 5'

PLAN VIEW - COLE STREET PUMP STATION

DEMO LEGEND

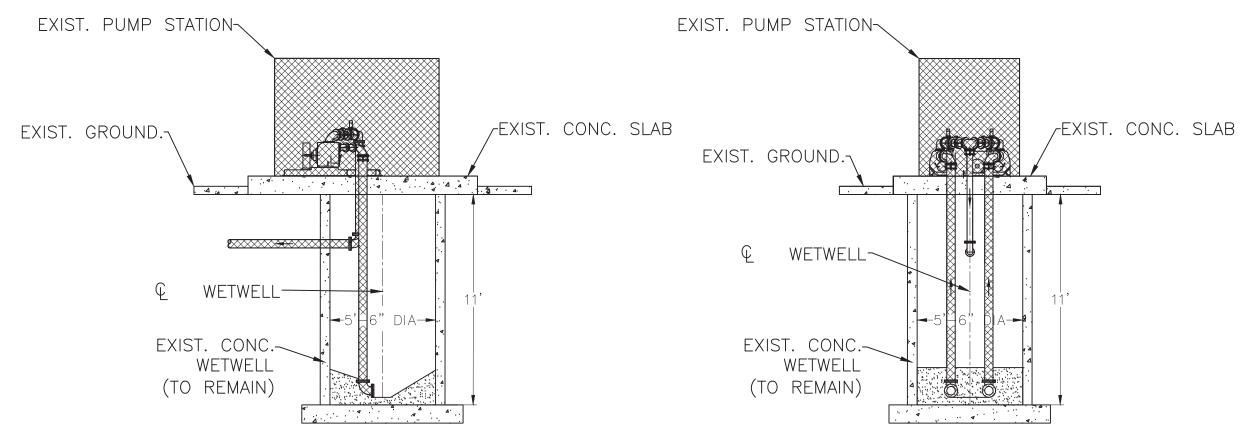
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SITE MAP COLE STREET

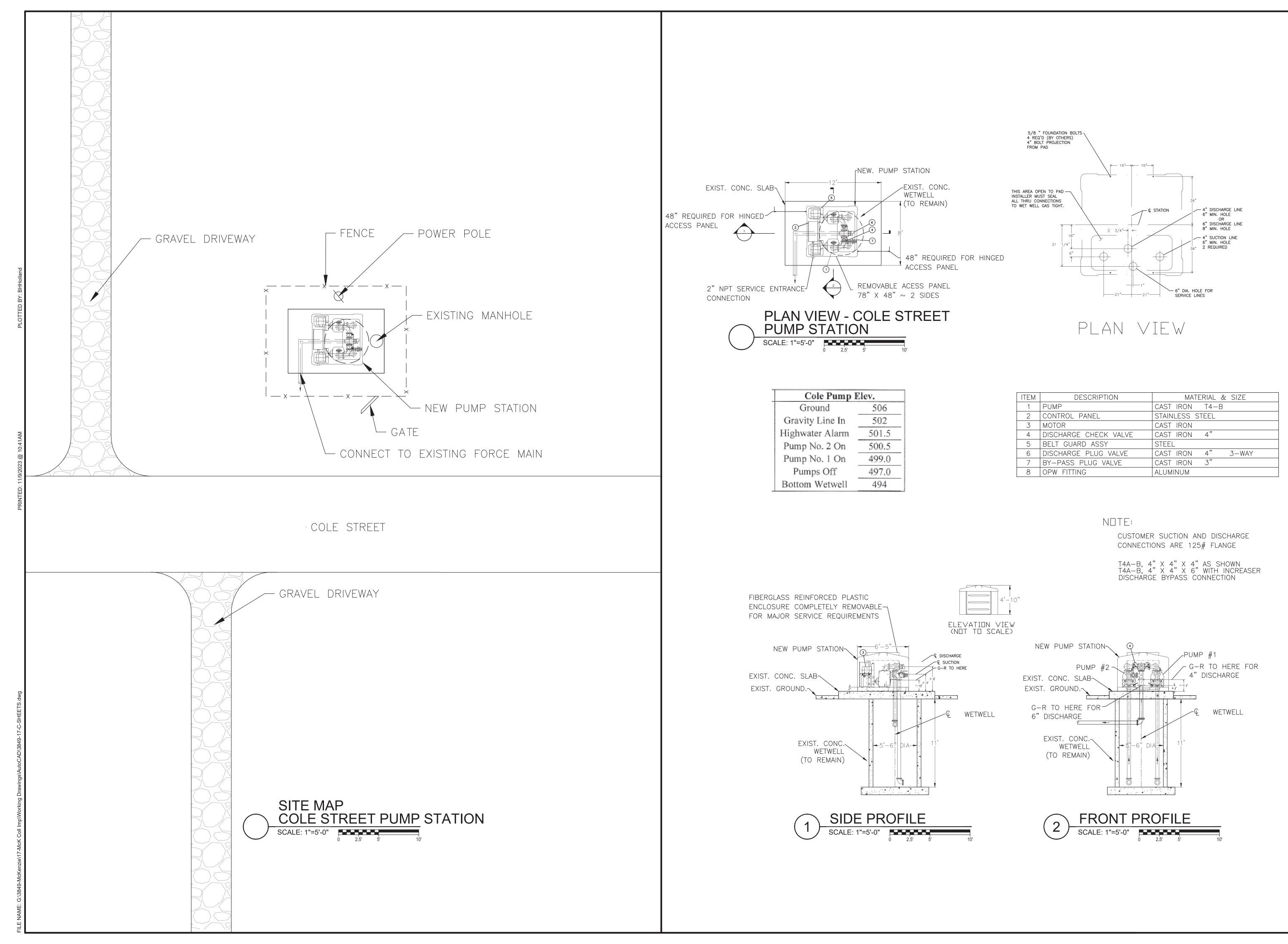
DEMOLITION PLAN

022 CDBG SEWER REHAB - CONTRACT E

CITY OF MCKENZIE, TENNESSEE

DATE:
OCTOBER, 2023
SCALE:

C-04

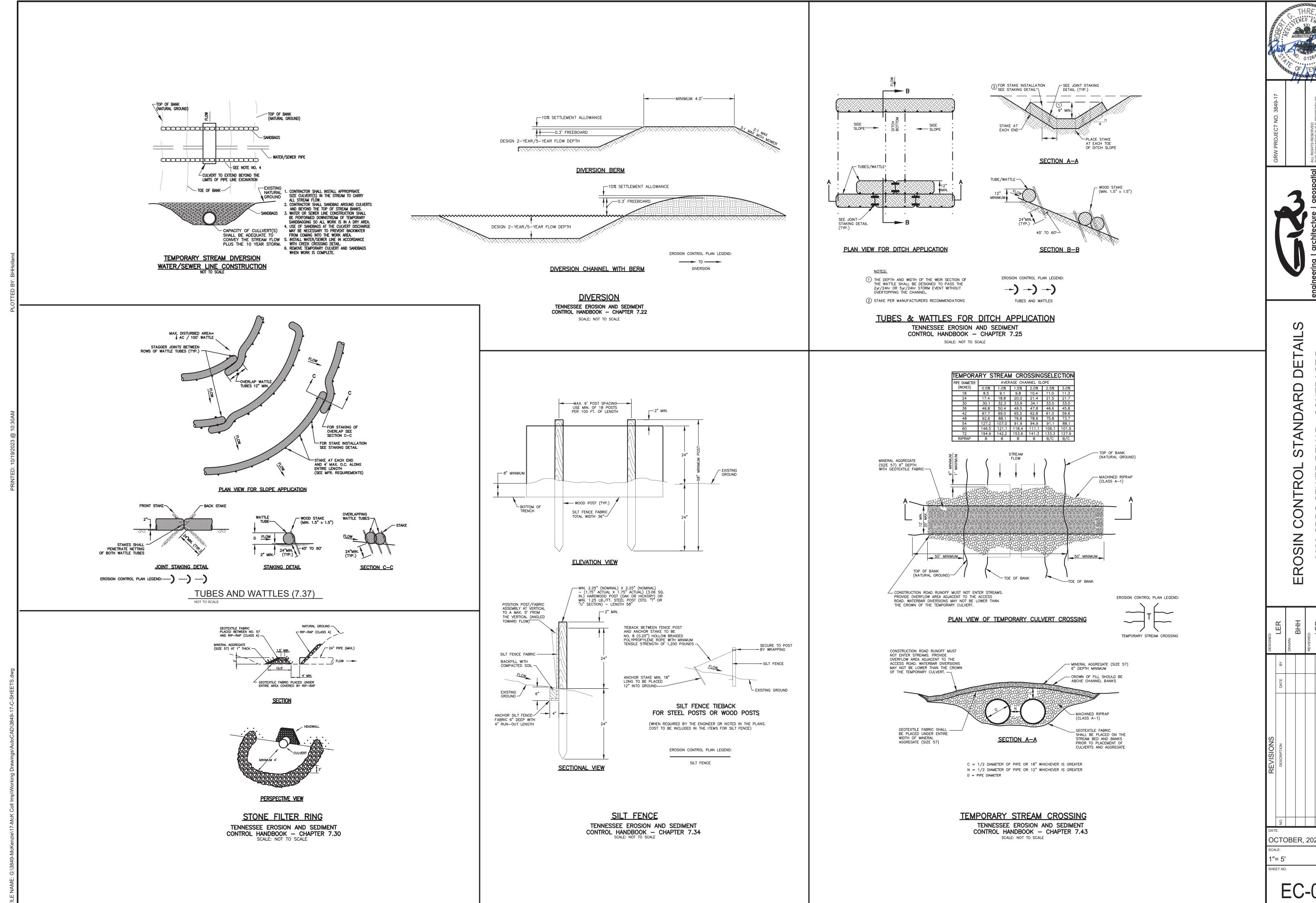


OCTOBER, 2023

CDBG SEWER

1"= 5'

C-05



CDBG SEWER

OCTOBER, 2023

EC-06