

TO

Name: Plan Holders

PROJECT

Name: 2023 SDG Beech Bluff Utility Extension
Site Improvements

A2H #: 23134

DETAILS

Addendum #: 1

Date of Issuance: 5/22/24

Sent Via: Email

Total Pages: 12

This addendum modifies the original drawings/specifications and shall be included as part of the contract documents. Items in this addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the addendum.

The bidder shall acknowledge receipt of this addendum by placing the addenda dates and addenda numbers on the outside of their proposal envelope and in the place provided on the bid form. In addition, the bidder shall confirm receipt of this addendum by returning the signature page with appropriate initial where indicated via email (Bidding@a2h.com) or fax (901) 373-4002. Failure to do so may subject the bidder to disqualification.

ACKNOWLEDGEMENT OF RECEIPT

Name: _____

Company: _____

Signature: _____

Date: _____

CLARIFICATIONS

1. There is 200' of jack and bore on the project, bid form only shows 30'. How will additional bores be paid?
 - *See the attached revised bid form that increases the quantity.*
2. Plans show Proposed ARV and ARV, what is the difference?
 - *They are the same, both are to be installed as part of the construction.*
3. Plans show five ARV/Proposed ARV, bid form only has one.
 - *See the attached revised bid form that increases the quantity.*
4. Is restrained joint pvc (yellowmine) required on the railroad bores?
 - *Yes*
5. Is the gas HDPE or MDPE? Halls uses MDPE.
 - *MDPE*

CHANGES TO SPECIFICATIONS

1. Bid Form

CHANGES TO DRAWINGS

1. G0.1 – Sheet Index and General Notes
 - a. Updated quantity table.
2. C4.0 – EPSC – Stage 1
 - a. Added sheet.
3. C4.1 – EPSC – Stage 2
 - a. Added sheet.
4. C4.2 – EPSC – Stage 3
 - a. Added sheet.
5. C4.3 – EPSC Details
 - a. Added sheet.
6. C6.1 – Detailed Utility Layout Plan
 - a. Updated gas line material to MDPE.

ATTACHMENTS

1. Bid Form
2. G0.1 – Sheet Index and General Notes
3. C4.0 – EPSC – Stage 1
4. C4.1 – EPSC – Stage 2
5. C4.2 – EPSC – Stage 3
6. C4.3 – EPSC Details
7. C6.1 – Detailed Utility Layout Plan

Sincerely,
A2H, Inc.



Jason Dittrich, PE
Senior Civil Engineer | Principal

BID FOR UNIT PRICE CONTRACTS

Place **2023 Site Development Grant Beech Bluff Utility Extension - Site Improvements**

Date **May 28, 2024**

Project No. **23134**

Proposal of _____ (hereinafter called "Bidder"), a

(corporation, partnership, or individual)

To **Town of Halls** (hereinafter called "OWNER")

Dear Sir or Madam:

The Bidder, in compliance with your invitation for bids for the construction of the

2023 Site Development Grant Beech Bluff Utility Extension - Site Improvements

having examined the plans and specifications with related documents and the site of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby proposes to furnish all labor, materials, and supplies, and to construct the project in accordance with the contract documents, within the time set forth therein, and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the contract documents, of which this proposal is a part.

Bidder hereby agrees to commence work under this contract on or before a date to be specified in written "Notice to Proceed" of the Owner and to fully complete the project within **90** consecutive calendar days thereafter as stipulated in the specifications. Bidder further agrees to pay as liquidated damages the sum of **\$500.00** for each consecutive calendar day thereafter as hereinafter provided in Paragraph 3.c. of the Supplemental General Conditions.

Bidder acknowledges receipt of the following addendum:

PROPOSAL:

Bidder agrees to perform all of the **2023 Site Development Grant Beech Bluff Utility Extension Site Improvements** work described in the specifications and shown on the plans for the following Unit Prices:

2023 SITE DEVELOPMENT GRANT BEECH BLUFF UTILITY EXTENSION ESTIMATED QUANTITIES					
No.	Description	Qty	Unit	Unit Price	Amount
707-01	MOBILIZATION	1	LS	\$	\$
795-03.06	8" PVC WATER LINE (SDR 21)	2,445	LF	\$	\$
795-07.06	8 INCH X 8" TAPPING SLEEVE AND VALVE	1	EA	\$	\$
795-08.05	8" GATE VALVE ASSEMBLY	1	EA	\$	\$
795-11.02	FIRE HYDRANT ASSEMBLY	1	EA	\$	\$
797-03.08	6" PVC SEWER FORCE MAIN (SDR 21)	2980	LF	\$	\$
795-08.04	6" GATE VALVE	1	EA	\$	\$
797-06.44	JACK/BORE 16" STEEL CASING	210	LF	\$	\$
611-01.04	MANHOLE > 12-16' DEPTH (FLAT TOP, FUTURE 5-FOOT DIAMETER WET WELL)	1	EA	\$	\$
791-06.52	4" MDPE HOT TAP GAS CONNECTION	1	EA	\$	\$
791-03.04	4" MDPE GAS MAIN	700	LF	\$	\$
491-07.02	4" MDPE GAS VALVE ASSEMBLY	2	EA	\$	\$
797-10.01	CONNECT 6IN SEWER TO EXIST. MANHOLE	1	EA	\$	\$
920-10.04	ROADWAY TRACER WIRE BOX	12	EA	\$	\$

303-01	MINERAL AGGREGATE, TYPE A, GRADING D (LIMESTONE)	200	TN	\$	\$
307-01.08	ASPHALTIC CONCRETE MIX (PG64-22) (BPMB-HM) GRADING BM2	15	TN	\$	\$
411-01.10	ASPHALTIC CONCRETE MIX (PG64-22) (BPMB-HM) GRADING D	10	TN	\$	\$
795-10.05	2" AIR RELIEF VALVE	5	EA	\$	\$
TOTAL BASE BID:				\$	

EPSC BMP'S – ADDENDUM 1					
No.	Description	Qty	Unit	Unit Price	Amount
707-01	INSTALLATION, MAINTENANCE, AND REMOVAL OF ALL EROSION CONTROL MEASURES, COMPLETE IN PLACE	1	LS	\$	\$
TOTAL BID – EPSC BMP'S:				\$	

BID SUMMARY	
DESCRIPTION	Amount
BASE BID	\$
EPSC BMP'S – ADDENDUM 1	\$
TOTAL BASE BID AND EPSC BMP'S:	\$

TOTAL BASE BID AND EPSC BMP'S (IN WORDS):

(Total Bid Amount in Words)

(Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern.)

The above unit prices shall include all labor, materials, bailing, shoring, removal, overhead, profit, insurance, etc., to cover the finished work of the several kinds called for. Changes shall be processed in accordance with Article 11.3.1 of the General Conditions.

Bidder understands that the Owner reserves the right to reject any or all bids and to waive any informalities in the bidding.

The bidder agrees that this bid shall be good and may not be withdrawn for a period of 60 calendar days after the scheduled closing time for receiving bids.

Upon receipt of written notice of the acceptance of this bid, Bidder will execute the formal contract attached within 10 days and deliver a Surety Bond or Bonds as required by Article 5 of the General Conditions.

The bid security attached in the sum of: _____
_____ (\$ _____)

is to become the property of the Owner in the event the contract and bond are not executed within the time set forth above, as liquidated damages for the delay and additional expense to the Owner caused thereby.

Respectfully submitted:

By: _____
(Signature)

(Title)

(Business Address & Zip Code)

(SEAL – if bid is by a corporation)

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J:\002023\21452_Civil\Drawings\G0 COVER SHEET.dwg
DATE PLOTTED: 05/22/2024 11:11 AM

Item no.	Description	UNIT	QUANTITY
Beech Bluff Utility Extension			
707-01	MOBILIZATION	LS	1
795-03.06	8" PVC WATER WATER LINE (SDR-21)	LF	2445
795-07.06	8" x 8" TAPPING SLEEVE AND GATE VALVE	EACH	1
795-08.05	8" GATE VALVE ASSEMBLY	EACH	1
795-11.02	FIRE HYDRANT ASSEMBLY (TO INCLUDE TEE CONNECTION AND VALVE ASSEMBLY)	EACH	1
797-03.08	6" PVC SEWER FORCE MAIN (SDR-21)	LF	2980
795-08.04	6" GATE VALVE	EACH	1
797-06.44	JACK/BORE 16" STEEL CASING	LF	210
611-01.04	MANHOLE > 12'-16" DEPTH (FLAT TOP, FUTURE 5-FOOT DIAMETER WET WELL)	EACH	1
791-06.52	4" MDPE HOT TAP GAS CONNECTION	EACH	1
791-03.04	4" MDPE GAS MAIN	LF	700
491-07.02	4" MDPE GAS VALVE ASSEMBLY	EACH	2
797-10.01	CONNECT 6IN SEWER TO EXIST. MANHOLE	EACH	1
920-10.04	ROADWAY TRACER WIRE BOX	EACH	12
303-01	MINERAL AGGREGATE, TYPE A, GRADING D (LIMESTONE)	TON	200
307-01.08	ASPHALTIC CONCRETE MIX (PG64-22) (BPMB-HM) GRADING BM2	TON	15
411.01.10	ASPHALTIC CONCRETE MIX (PG64-22) (BPMB-HM) GRADING D	TON	10
795-10.05	2" AIR RELIEF VALVE	EACH	5
EPSC BMP'S - ADDENDUM 1			
	INSTALLATION, MAINTENANCE, AND REMOVAL OF ALL EROSION CONTROL MEASURES, COMPLETE IN PLACE	LS	1

GENERAL NOTES

- THE CONTRACTOR SHALL NOTIFY THE TOWN OF HALLS PUBLIC WORKS DEPARTMENT BEFORE COMMENCING CONSTRUCTION.
- THE EXACT LOCATION OF ALL EXISTING UTILITIES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR. CARE SHALL BE TAKEN TO PROTECT ANY UTILITIES THAT ARE TO REMAIN AND ALL CONSTRUCTION SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY/AGENCY. ANY DAMAGE, REPAIR, OR RELOCATION SHALL BE DONE BY LOCAL STANDARDS AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED PRIOR TO ANY CONSTRUCTION ACTIVITIES TAKING PLACE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ANY UTILITY COMPANY WHICH MAINTAINS A UTILITY LINE WITHIN THE BOUNDARIES OF THE PROJECT BEFORE THE INITIATION OF ANY CONSTRUCTION OR DEMOLITION ON THE PROJECT OR IN THE STREETS BORDERING THE PROJECT. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE INCURRED BY ANY UTILITY COMPANY TO THEIR UTILITY LINES WHETHER SHOWN ON THE CONSTRUCTION PLANS OR NOT, DURING WORK ON THE PROJECT.
- SEVENTY-TWO (72) HOURS BEFORE BEGINNING ANY EXCAVATION, THE CONTRACTOR SHALL CALL TENNESSEE ONE-CALL 811 AND THE LOCAL UTILITY COMPANIES FOR THE LOCATION OF UNDERGROUND UTILITIES. THE CONTRACTOR IS ADVISED TO INQUIRE ABOUT ANY UTILITY OPERATORS WHO MAY NOT PARTICIPATE IN THE ONE CALL SYSTEM.

THE FOLLOWING INFORMATION IS REQUIRED WHEN NOTIFYING UTILITY OWNERS OF YOUR INTENT TO EXCAVATE.

NAME OF CALLER	START DATE & TIME
TELEPHONE NUMBER	TYPE OF WORK
COUNTY	BLASTING
TOWN	WORK BEING DONE BY
STREET ADDRESS	WORK BEING DONE FOR
NEAREST INTERSECTING ROAD	

THIS INFORMATION IS DISTRIBUTED TO MEET THE REQUIREMENTS OF CFR TITLE 49 PART 192.614 OF THE PIPELINE SAFETY ACT.

- ALL NEWLY CUT AND/OR FILLED AREAS LACKING ADEQUATE VEGETATION SHALL BE PERMANENTLY STABILIZED AS REQUIRED TO EFFECTIVELY PREVENT SOIL EROSION PER THE TOWN TOWN OF HALLS AND STATE REGULATIONS.
- ALL CONSTRUCTION WITHIN PUBLIC EASEMENTS AND RIGHT-OF-WAYS SHALL MEET THE THE TOWN OF HALLS AND TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARDS.
- THE CONTRACTOR MUST HAVE WRITTEN APPROVAL FROM THE PROJECT ENGINEER BEFORE ANY CHANGE IN DESIGN IS MADE.
- THE CONTRACTOR SHALL NOT ENTER UPON NOR CAUSE DAMAGE TO ANY ADJACENT PROPERTIES WITHOUT WRITTEN PERMISSION FROM SAID PROPERTY OWNERS.
- ANY EXISTING UTILITIES REQUIRING RELOCATION OR REMOVAL SHALL BE THE DEVELOPER'S RESPONSIBILITY.
- UTILITY SERVICES INCLUDING BUT NOT LIMITED TO POWER, SEWER, WATER, GAS, COMMUNICATION, ETC. SHALL BE PROTECTED AND MAINTAINED IN WORKING ORDER TO ALL ADJACENT PROPERTIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PHASING UTILITY DEMOLITION AND CONSTRUCTION AND/OR PROVIDING TEMPORARY SERVICES TO AFFECTED PROPERTIES.
- PROTECT ALL EXISTING BENCHMARKS, IRON PINS, SURVEY CONTROL POINTS, OR OTHER MONUMENTS TO REMAIN.
- NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ADJACENT TO THE PROPOSED CONSTRUCTION AREA.

STAGING/STORAGE AREAS

- THE EXACT LIMITS OF THE CONTRACTOR'S STAGING AND STORAGE AREA SHALL BE ESTABLISHED BY THE CONTRACTOR WITH THE APPROVAL OF THE ENGINEER. ANY AND ALL REQUIRED UTILITIES FOR THE CONTRACTOR'S OPERATIONS SHALL BE ARRANGED AND PAID FOR BY THE CONTRACTOR DIRECTLY WITH THE APPROPRIATE UTILITY AGENCIES. UTILITY ARRANGEMENTS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL RESTORE ALL GRASSED AND PAVED AREAS USED FOR STAGING AND STORAGE AREAS TO THEIR ORIGINAL CONDITION, INCLUDING THE ESTABLISHMENT OF TURF WHERE REQUIRED. NO DIRECT MEASUREMENT OR PAYMENT WILL BE MADE FOR THE CONSTRUCTION, MAINTENANCE, RESTORATION, OR REPAIR TO STAGING AND STORAGE AREAS.

SANITARY SEWER NOTES

- CONTRACTOR SHALL ENSURE UNINTERRUPTED SEWER SERVICE ON EXISTING SEWER AND SERVICE CONNECTIONS BY PROVIDING AMPLE TEMPORARY WASTEWATER PUMPING AND/OR BYPASSING.
- THE CONTRACTOR SHALL VERIFY EXISTING DATA AND REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ENGINEER.
- ALL SANITARY SEWER TO BE CONSTRUCTED AS PER TOWN OF HALLS STANDARD CONSTRUCTION SPECIFICATIONS.
- ALL SANITARY SEWER, INCLUDING SERVICE CONNECTIONS, WHICH HAS LESS THAN 1.5' CLEARANCE (OUTSIDE OF PIPES) WITH DRAINAGE OR IN FILLED AREAS SHALL BE CLASS 50 D.I.P. OR CONCRETE ENCASED, 10' MINIMUM BOTH SIDES OF CROSSING. ALL DUCTILE IRON PIPE (D.I.P.) SHALL BE POLYETHYLENE LINED OR SHALL BE TREATED WITH PROTECTO 401, TNEMEC 431 OR APPROVED EQUIVALENT.
- THE TOWN OF HALLS SHALL HAVE INGRESS/EGRESS RIGHTS TO USE PRIVATE DRIVES AND YARDS FOR THE PURPOSE OF MAINTAINING ALL PUBLIC SEWER LINES AND SHALL BEAR NO RESPONSIBILITY FOR THE MAINTENANCE OF SAID PRIVATE DRIVES AND YARDS.
- NO TREES, SHRUBS, PERMANENT STRUCTURES OR OTHER UTILITIES (EXCEPT FOR CROSSINGS) WILL BE ALLOWED WITHIN SANITARY SEWER EASEMENT. NO OTHER UTILITIES OR SERVICES MAY OCCUPY SANITARY SEWER EASEMENTS IN PRIVATE DRIVES AND YARDS EXCEPT FOR CROSSINGS.
- ALL PIPE RUNS CONSTRUCTED OF FLEXIBLE PIPE MATERIALS SHALL PASS A GO-NO GO DEFLECTION TEST.
- PRIOR TO BRINGING ANY PART OF THE NEWLY INSTALLED SANITARY SEWER SYSTEM ONLINE, ALL LINES AND MANHOLES SHALL PASS LEAK TESTING.

WATER SPECIFICATION NOTES

- ALL MATERIALS AND INSTALLATION SHALL CONFORM TO THE STANDARDS OF THE TOWN OF HALLS AND THE STATE OF TENNESSEE.
- BLOCKING OF FIRE HYDRANTS, TEES, AND BENDS REQUIRED.
- WATER LINES, VALVES, FITTINGS AND HYDRANT SHALL BE INSTALLED, DISINFECTED, PRESSURE TESTED AND LEAKAGE TESTED IN ACCORDANCE WITH ALL STATE AND LOCAL REQUIREMENTS.
- ALL TRENCHES TO BE BACK-FILLED ACCORDING TO CONSTRUCTION SPECIFICATIONS.
- ALL TIES TO EXISTING WATER LINES MUST BE MADE STARTING WITH A VALVE IF NO VALVE EXISTS.

WATER LINE TESTING

- AT THE END OF CONSTRUCTION WHEN THE NEW WATER LINES ARE TO BE FILLED FOR FLUSHING AND PRESSURE TESTING, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER/OPERATOR OF THE UTILITY TO ENSURE THAT LOW PRESSURE PROBLEMS DO NOT ARISE IN OTHER AREAS OF THE WATER SYSTEM DURING THIS PROCESS.
- ALL NEW WATER LINES ARE TO BE PRESSURE TESTED AND BACTERIAL SAMPLES ARE TO BE TAKEN AND APPROVED BEFORE CONNECTION TO SYSTEM.

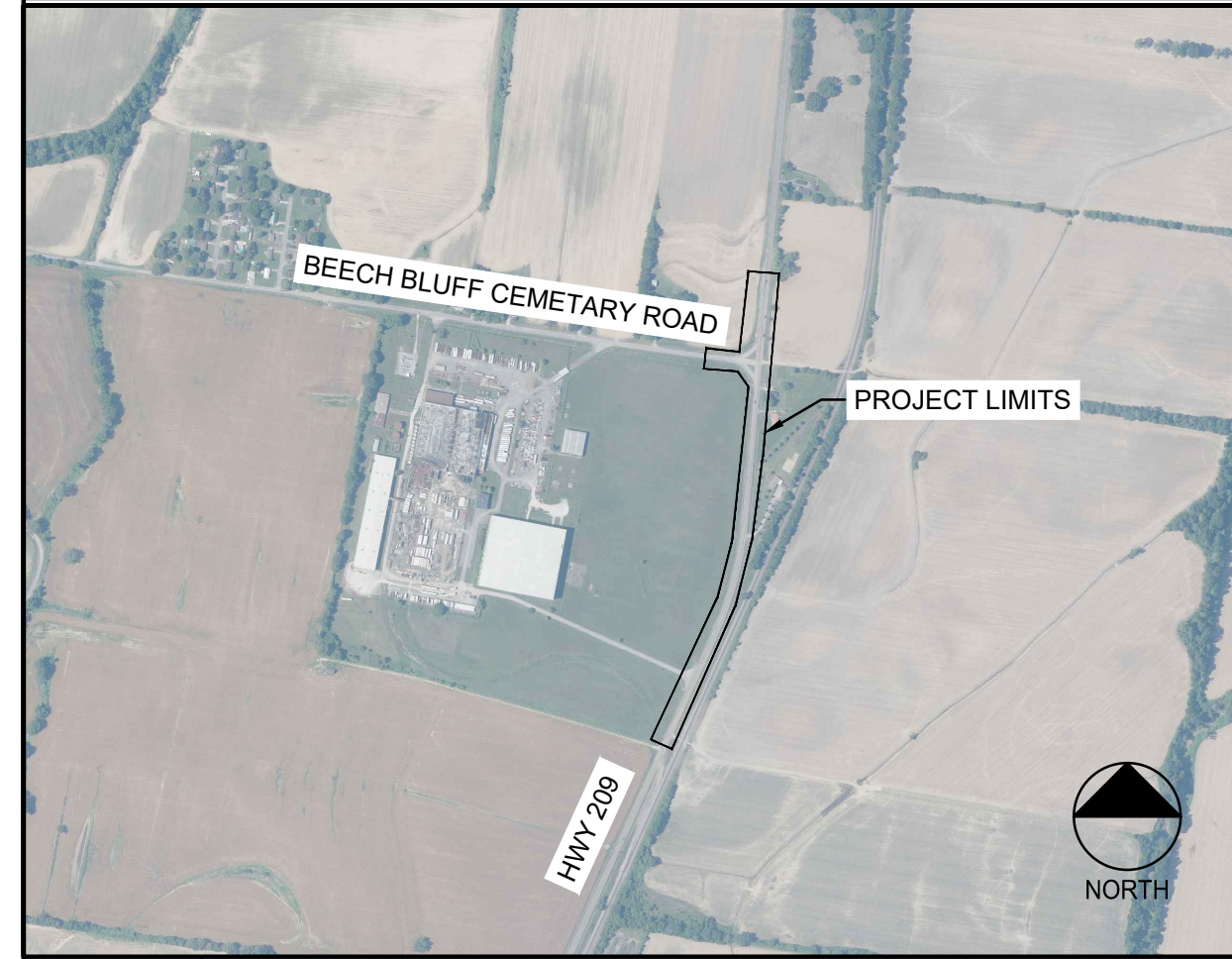
GENERAL

SHEET NUMBER	SHEET NAME
G0.0	COVER SHEET
G0.1	SHEET INDEX AND GENERAL NOTES

CIVIL

SHEET NUMBER	SHEET NAME
C4.0	EPSC - STAGE 1
C4.1	EPSC - STAGE 2
C4.2	EPSC - STAGE 3
C4.3	EPSC - DETAILS
C6.0	OVERALL UTILITY LAYOUT PLAN
C6.1	DETAILED UTILITY LAYOUT PLAN
C6.2	WATER LINE PLAN AND PROFILE
C6.3	SANITARY SEWER PLAN AND PROFILE
C6.4	SANITARY SEWER PLAN AND PROFILE
C6.5	SANITARY SEWER HYDRAULIC GRADE PROFILE
C10.0	CONSTRUCTION DETAILS
C10.1	CONSTRUCTION DETAILS
C10.2	CONSTRUCTION DETAILS

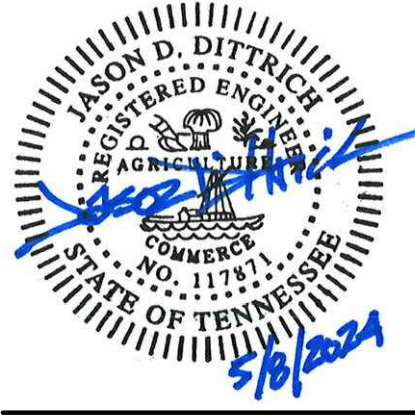
B5	SHEET INDEX
NTS	



C5	VICINITY MAP
NTS	

D1	SCHEDULE OF QUANTITIES
NTS	

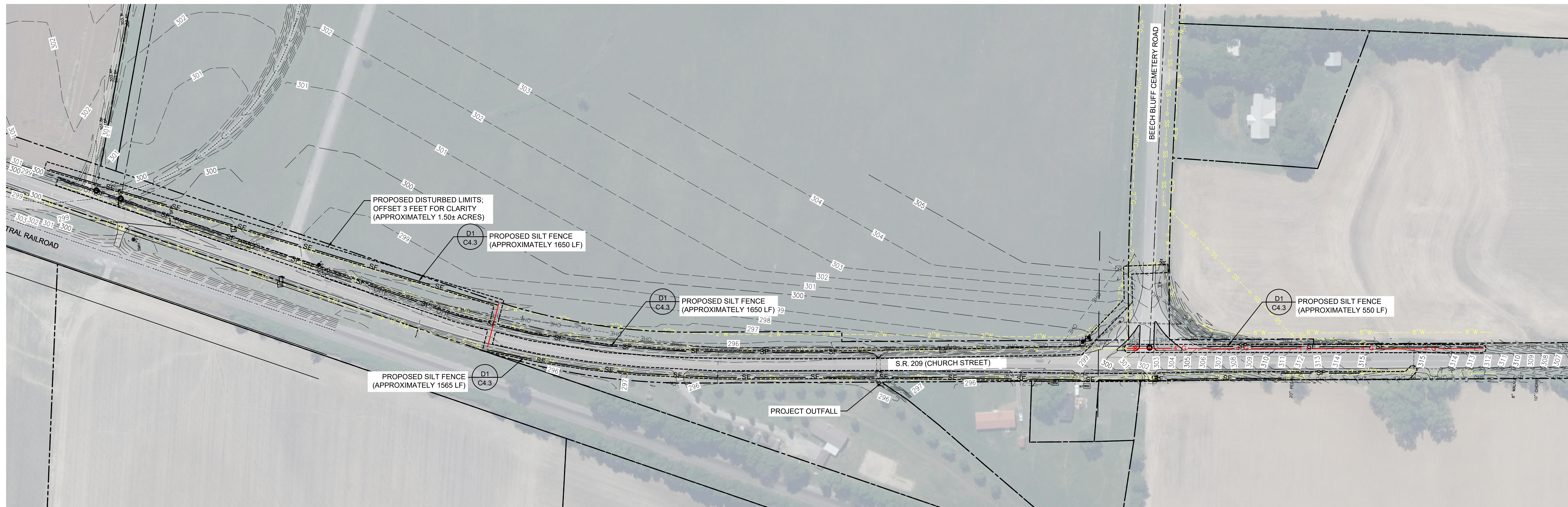
D3	GENERAL NOTES
NTS	



REVISIONS		
1	ADDENDUM 1	05/22/2024

PROJECT NO.	DATE
2384	MAY 08, 2024
DRAWN	CHECKED
SFA	JDD

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EROSION AND SEDIMENTATION CONTROL NOTES

THE FOLLOWING CONDITIONS APPLY TO ALL DISTURBANCE WORK CONDUCTED UNDER TDEC CONSTRUCTION GENERAL PERMIT.

CONSTRUCTION MANAGEMENT TECHNIQUES:

- CLEARING AND GRUBBING MUST BE HELD TO THE MINIMUM NECESSARY FOR GRADING AND EQUIPMENT OPERATION.
- CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF CLEARED SURFACE AREA.
- EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATIONS BEGIN, AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORK DAY, BUT MUST BE REPLACED AT THE END OF THE WORK DAY.
- STABILIZATION MUST, AT A MINIMUM, BE INITIATED WHENEVER ANY CLEARING, EXCAVATION OR OTHER EARTH DISTURBED ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
- STEEP SLOPES (33% OR 3:1 AND GREATER) SHALL BE TEMPORARILY STABILIZED NOT LATER THAN 7 DAYS AFTER CONSTRUCTION ACTIVITIES ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED.
- A QUALIFIED INDIVIDUAL, HAVING THE CERTIFICATIONS REQUIRED BY TDEC SHALL BE DESIGNATED TO BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS ON EACH PROJECT SITE.

VEGETATION CONTROL:

- PRE-VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 14 CALENDAR DAYS PRIOR TO GRADING OR EARTH MOVING.
- PERMANENT SOIL STABILIZATION WITH PERENNIAL VEGETATION SHALL BE APPLIED WITHIN 14 DAYS AFTER FINAL GRADING HAS BEEN PERFORMED ON SPECIFIED AREAS OF THE SITE.

STRUCTURAL CONTROL:

- ALL SURFACE WATER FLOWING TOWARD THE CONSTRUCTION AREAS SHALL BE DIVERTED BY USING BERMS, CHANNELS, OR SEDIMENT TRAPS, AS NECESSARY.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DESIGNED TO DETAIN RUNOFF AND TRAP SEDIMENT FROM DISTURBED AREAS OF THE SITE. THE DESIGN OF THESE CONTROL MEASURES SHALL BE BASED UPON SIZE AND SLOPE OF THE DISTURBED AREAS AND THE DRAINAGE AREA THAT CONTRIBUTES TO THE RUNOFF.
- MUDDY WATER TO BE PUMPED FROM EXCAVATION AND WORK AREAS MUST BE HELD IN SETTLING BASINS OR TREATED BY FILTRATION PRIOR TO DISCHARGE INTO SURFACE WATERS. WATER MUST BE DISCHARGED THROUGH A PIPE OR LINED CHANNEL SO THAT THE DISCHARGE DOES NOT CAUSE EROSION AND SEDIMENTATION.

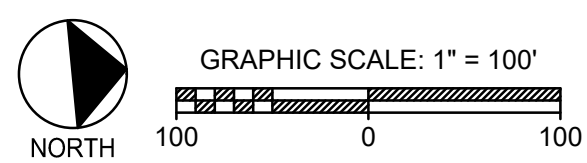
DISCHARGE QUALITY:

- THERE SHALL BE NO DISTINCTLY VISIBLE FLOATING SCUM, OIL OR OTHER MATTER CONTAINED IN THE STORM WATER DISCHARGE.
- THE STORM WATER DISCHARGE MUST NOT CAUSE AN OBJECTIONABLE COLOR CONTRAST IN THE RECEIVING STREAM.
- THE STORM WATER DISCHARGE MUST RESULT IN NO MATERIALS IN CONCENTRATION SUFFICIENT TO BE HAZARDOUS OR OTHERWISE DETRIMENTAL TO HUMANS, LIVESTOCK, WILDLIFE, PLANT LIFE, OR FISH AND AQUATIC LIFE IN THE RECEIVING STREAM.

SUPPLEMENTAL NOTES:

- ALL CONTROL MEASURES SHALL BE CHECKED AND REPAIRED AS REQUIRED BY TDEC. GENERAL PERMIT EPSC INSPECTIONS SHALL BE TWICE A WEEK AND AT LEAST 72 HOURS APART. A WEEK IS FROM SUNDAY TO SATURDAY. THE PERMITEE SHALL MAINTAIN RECORDS ON-SITE OF THE CHECKS AND REPAIRS AND BE ABLE TO PROVIDE THESE RECORDS IMMEDIATELY UPON REQUEST.
- THE INDIVIDUALS ASSIGNED TO CONDUCT THE INSPECTIONS MUST BE RECOGNIZED BY THE TDEC AS A QUALIFIED PROFESSIONAL. A COPY OF THE PERSON'S CERTIFICATION SHOULD BE KEPT ON SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING COPIES OF ALL INSPECTION REPORTS AS WELL AS A COPY OF THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON THE JOB SITE AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR POSTING A COPY OF THE NOTICE OF COVERAGE (NOC) NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE SO THAT IT MAY BE VIEWED BY THE PUBLIC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A RAIN GAGE ON SITE AND MAINTAINING THE GAGE AND RECORDS OF THE RAINFALL EVENTS AND AMOUNTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING THE NOTICE OF TERMINATION (NOT) TO THE TDEC UPON FINAL STABILIZATION OF THE SITE. THE CONTRACTOR SHALL ENSURE THAT THE SITE MEETS THE TDEC CRITERIA FOR TERMINATION OF COVERAGE. THE CONTRACTOR SHALL REMAIN RESPONSIBLE FOR THE SITE EROSION CONTROL AND THE CARE AND MAINTENANCE OF ALL VEGETATIVE GROUND COVER UNTIL HE/SHE OBTAINS A WRITTEN NOTICE FROM TDEC THAT THE SITE MEETS THE CRITERIA FOR TERMINATION OF COVERAGE.

--- 495 ---	EXISTING MAJOR CONTOUR
--- 494 ---	EXISTING MINOR CONTOUR
— SF —	PROPOSED SILT FENCING
-----	LIMITS OF DISTURBANCE: OFFSET FOR CLARITY (1.50 ± ACRES)
[Hatched Box]	PROPOSED SEEDING/SODDING FOR FINAL STABILIZATION



D1 1" = 100'	EPSC - STAGE 1
D2 NTS	EROSION CONTROL NOTES

D6 NTS	EPSC LEGEND
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TOWN OF HALLS

2023 SITE DEVELOPMENT GRANT
BEECH BLUFF UTILITY EXTENSION

HALLS, TENNESSEE

CONSTRUCTION DOCUMENTS

REVISIONS		
1	ADDENDUM 1	05/22/2024

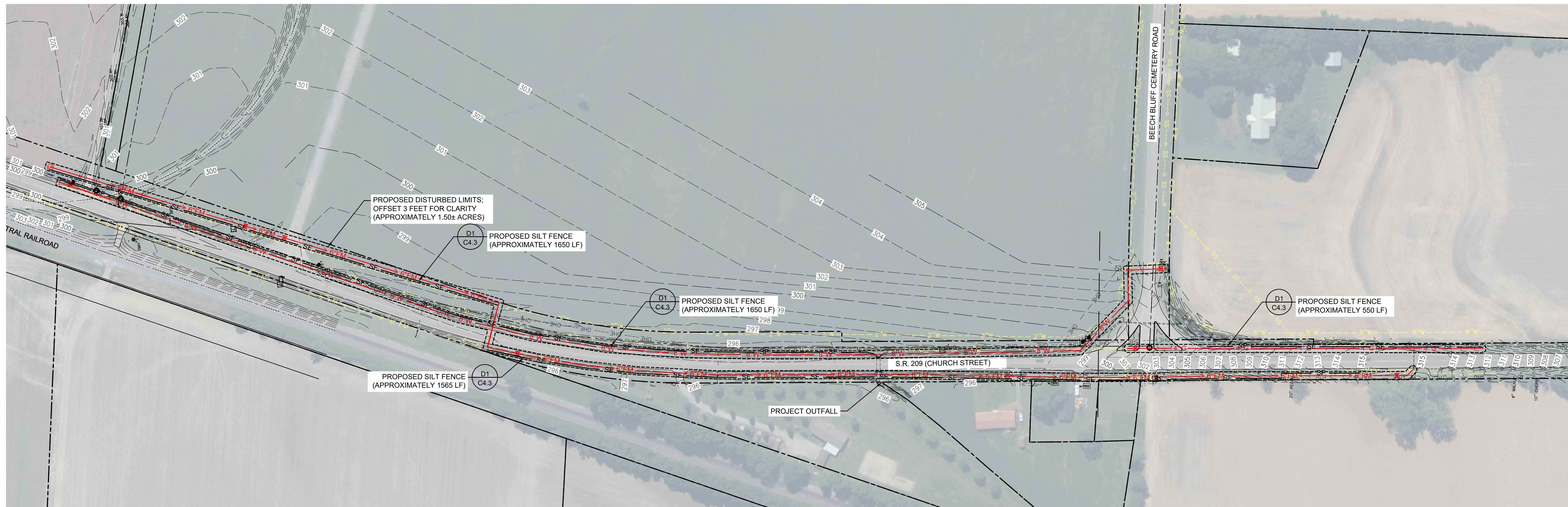
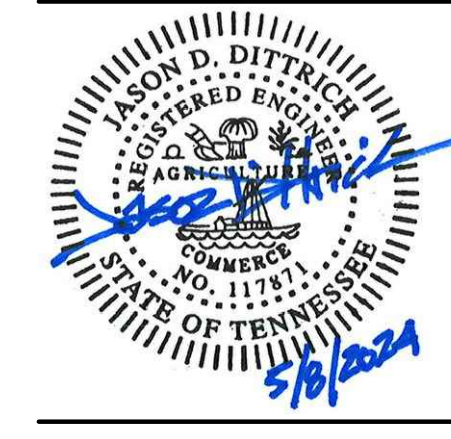
PROJECT NO. 2384	DATE MAY 08, 2024
DRAWN SFA	CHECKED JDD

EPSC - STAGE 1

CIVIL SHEETS
3 OF 15

C4.0

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EROSION AND SEDIMENTATION CONTROL NOTES

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- CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF CLEARED SURFACE AREA.
- EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATIONS BEGIN, AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORK DAY, BUT MUST BE REPLACED AT THE END OF THE WORK DAY.
- STABILIZATION MUST, AT A MINIMUM, BE INITIATED WHENEVER ANY CLEARING, EXCAVATION OR OTHER EARTH DISTURBED ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
- STEEP SLOPES (33% OR 3:1 AND GREATER) SHALL BE TEMPORARILY STABILIZED NOT LATER THAN 7 DAYS AFTER CONSTRUCTION ACTIVITIES ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED.
- A QUALIFIED INDIVIDUAL, HAVING THE CERTIFICATIONS REQUIRED BY TDEC SHALL BE DESIGNATED TO BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS ON EACH PROJECT SITE.

VEGETATION CONTROL:

- PRE-VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 14 CALENDAR DAYS PRIOR TO GRADING OR EARTH MOVING.
- PERMANENT SOIL STABILIZATION WITH PERENNIAL VEGETATION SHALL BE APPLIED WITHIN 14 DAYS AFTER FINAL GRADING HAS BEEN PERFORMED ON SPECIFIED AREAS OF THE SITE.

STRUCTURAL CONTROL:

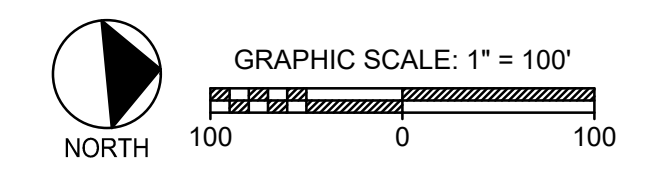
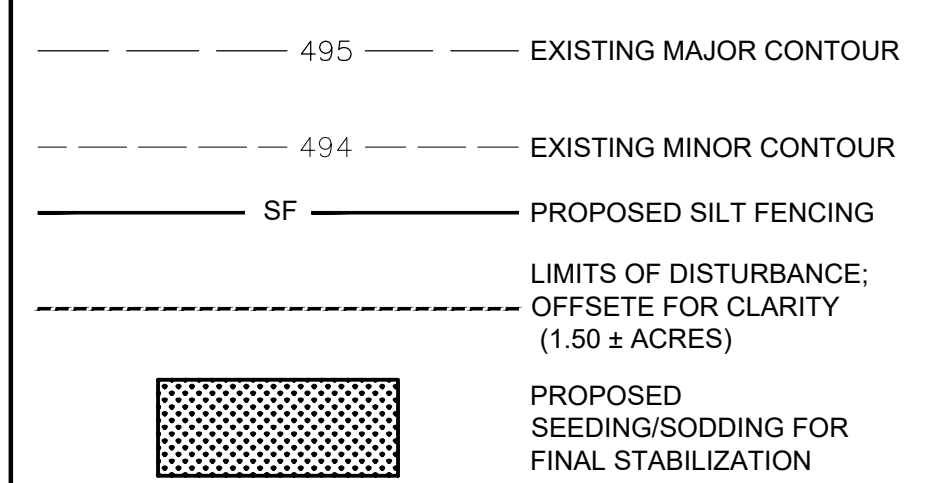
- ALL SURFACE WATER FLOWING TOWARD THE CONSTRUCTION AREAS SHALL BE DIVERTED BY USING BERMS, CHANNELS, OR SEDIMENT TRAPS, AS NECESSARY.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DESIGNED TO DETAIN RUNOFF AND TRAP SEDIMENT FROM DISTURBED AREAS OF THE SITE. THE DESIGN OF THESE CONTROL MEASURES SHALL BE BASED UPON SIZE AND SLOPE OF THE DISTURBED AREAS AND THE DRAINAGE AREA THAT CONTRIBUTES TO THE RUNOFF.
- MUDDY WATER TO BE PUMPED FROM EXCAVATION AND WORK AREAS MUST BE HELD IN SETTLING BASINS OR TREATED BY FILTRATION PRIOR TO DISCHARGE INTO SURFACE WATERS. WATER MUST BE DISCHARGED THROUGH A PIPE OR LINED CHANNEL SO THAT THE DISCHARGE DOES NOT CAUSE EROSION AND SEDIMENTATION.

DISCHARGE QUALITY:

- THERE SHALL BE NO DISTINCTLY VISIBLE FLOATING SCUM, OIL OR OTHER MATTER CONTAINED IN THE STORM WATER DISCHARGE.
- THE STORM WATER DISCHARGE MUST NOT CAUSE AN OBJECTIONABLE COLOR CONTRAST IN THE RECEIVING STREAM.
- THE STORM WATER DISCHARGE MUST RESULT IN NO MATERIALS IN CONCENTRATION SUFFICIENT TO BE HAZARDOUS OR OTHERWISE DETRIMENTAL TO HUMANS, LIVESTOCK, WILDLIFE, PLANT LIFE, OR FISH AND AQUATIC LIFE IN THE RECEIVING STREAM.

SUPPLEMENTAL NOTES:

- ALL CONTROL MEASURES SHALL BE CHECKED AND REPAIRED AS REQUIRED BY TDEC. GENERAL PERMIT EPSC INSPECTIONS SHALL BE TWICE A WEEK AND AT LEAST 72 HOURS APART. A WEEK IS FROM SUNDAY TO SATURDAY. THE PERMITEE SHALL MAINTAIN RECORDS ON-SITE OF THE CHECKS AND REPAIRS AND BE ABLE TO PROVIDE THESE RECORDS IMMEDIATELY UPON REQUEST.
- THE INDIVIDUALS ASSIGNED TO CONDUCT THE INSPECTIONS MUST BE RECOGNIZED BY THE TDEC AS A QUALIFIED PROFESSIONAL. A COPY OF THE PERSON'S CERTIFICATION SHOULD BE KEPT ON SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING COPIES OF ALL INSPECTION REPORTS AS WELL AS A COPY OF THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON THE JOB SITE AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR POSTING A COPY OF THE NOTICE OF COVERAGE (NOC) NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE SO THAT IT MAY BE VIEWED BY THE PUBLIC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A RAIN GAGE ON SITE AND MAINTAINING THE GAGE AND RECORDS OF THE RAINFALL EVENTS AND AMOUNTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING THE NOTICE OF TERMINATION (NOT) TO THE TDEC UPON FINAL STABILIZATION OF THE SITE. THE CONTRACTOR SHALL ENSURE THAT THE SITE MEETS THE TDEC CRITERIA FOR TERMINATION OF COVERAGE. THE CONTRACTOR SHALL REMAIN RESPONSIBLE FOR THE SITE EROSION CONTROL AND THE CARE AND MAINTENANCE OF ALL VEGETATIVE GROUND COVER UNTIL HE/SHE OBTAINS A WRITTEN NOTICE FROM TDEC THAT THE SITE MEETS THE CRITERIA FOR TERMINATION OF COVERAGE.



D1 EPSC - STAGE 2
 1" = 100'

D2 EROSION CONTROL NOTES
 NTS

D6 EPSC LEGEND
 NTS

TOWN OF HALLS

2023 SITE DEVELOPMENT GRANT BEECH BLUFF UTILITY EXTENSION

HALLS, TENNESSEE

CONSTRUCTION DOCUMENTS

REVISIONS

1	ADDENDUM 1	05/22/2024
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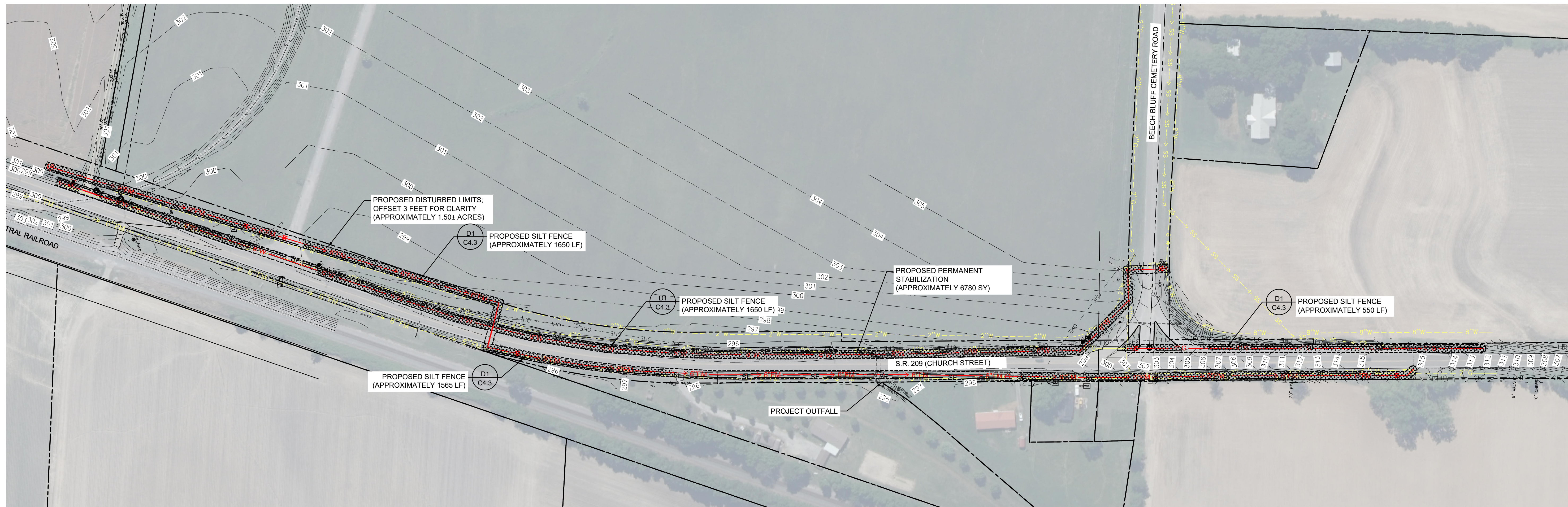
PROJECT NO.	DATE
2384	MAY 08, 2024
DRAWN	CHECKED
SFA	JDD

EPSC - STAGE 2

CIVIL SHEETS
 4 OF 15

C4.1

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EROSION AND SEDIMENTATION CONTROL NOTES

THE FOLLOWING CONDITIONS APPLY TO ALL DISTURBANCE WORK CONDUCTED UNDER TDEC CONSTRUCTION GENERAL PERMIT.

CONSTRUCTION MANAGEMENT TECHNIQUES:

- CLEARING AND GRUBBING MUST BE HELD TO THE MINIMUM NECESSARY FOR GRADING AND EQUIPMENT OPERATION.
- CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF CLEARED SURFACE AREA.
- EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATIONS BEGIN, AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORK DAY, BUT MUST BE REPLACED AT THE END OF THE WORK DAY.
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- PERMANENT SOIL STABILIZATION WITH PERENNIAL VEGETATION SHALL BE APPLIED WITHIN 14 DAYS AFTER FINAL GRADING HAS BEEN PERFORMED ON SPECIFIED AREAS OF THE SITE.

STRUCTURAL CONTROL:

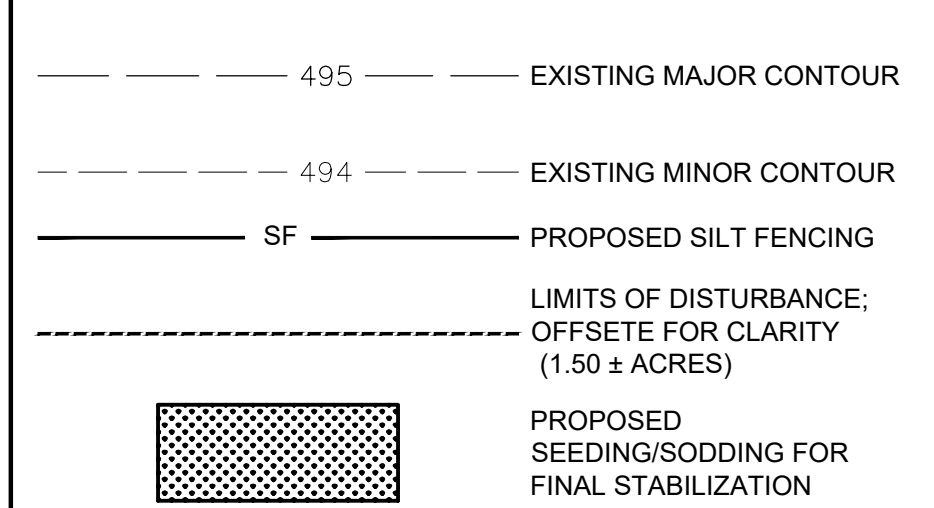
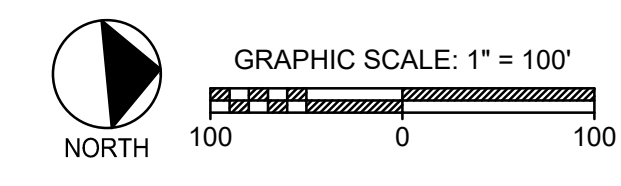
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SUPPLEMENTAL NOTES:

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D1
1" = 100'
EPSC - STAGE 3

D2
NTS
EROSION CONTROL NOTES

D6
NTS
EPSC LEGEND

TOWN OF HALLS

2023 SITE DEVELOPMENT GRANT
BEECH BLUFF UTILITY EXTENSION

HALLS, TENNESSEE

CONSTRUCTION DOCUMENTS

REVISIONS
1 ADDENDUM 1 05/22/2024

PROJECT NO. 2384 DATE MAY 08, 2024
DRAWN SFA CHECKED JDD

EPSC - STAGE 3

CIVIL SHEETS 5 OF 15

C4.2

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TOWN OF HALLS

2023 SITE
DEVELOPMENT GRANT
BEECH BLUFF UTILITY
EXTENSION

HALLS, TENNESSEE

CONSTRUCTION DOCUMENTS

REVISIONS

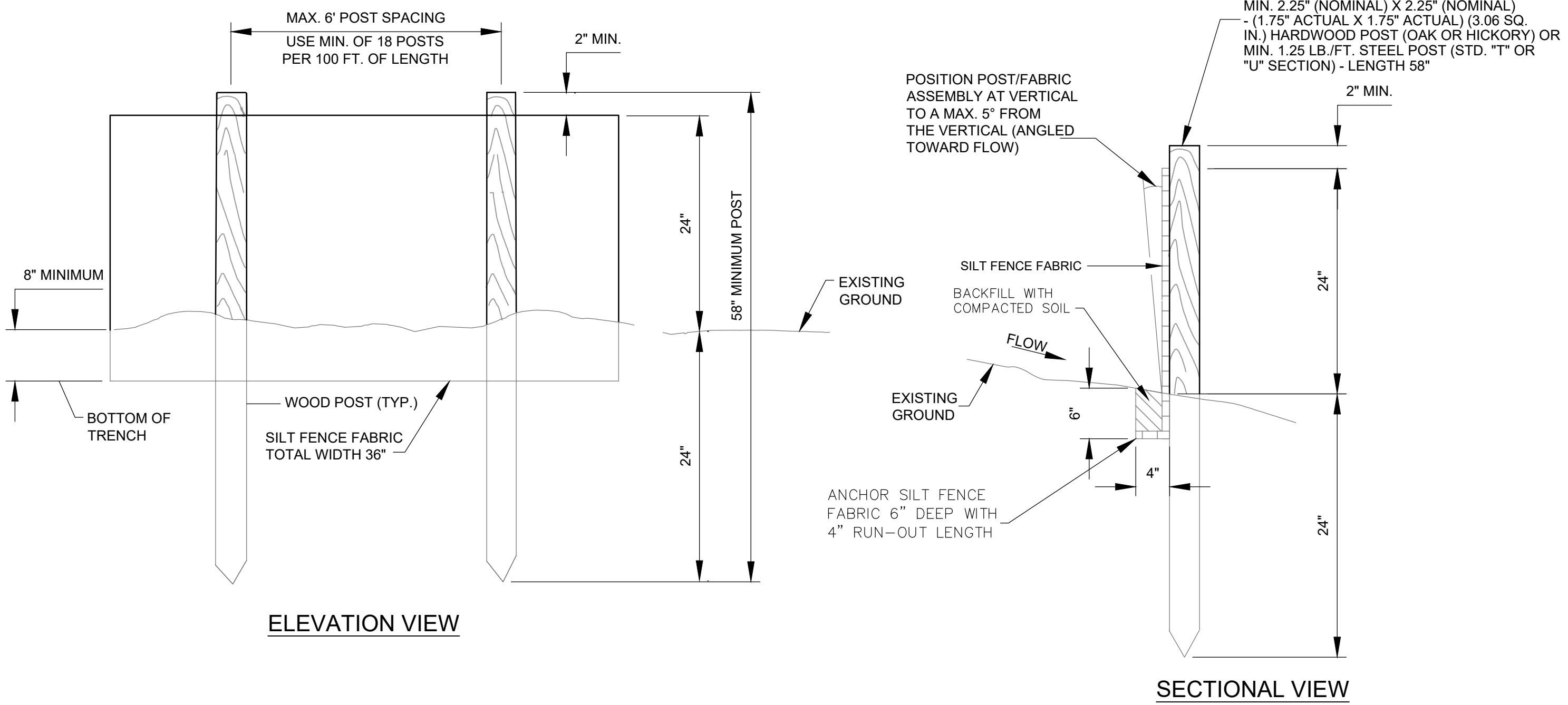
1	ADDENDUM 1	05/22/2024
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PROJECT NO.	DATE
23834	MAY 08, 2024

DRAWN	CHECKED
SFA	JDD

EPSC DETAILS

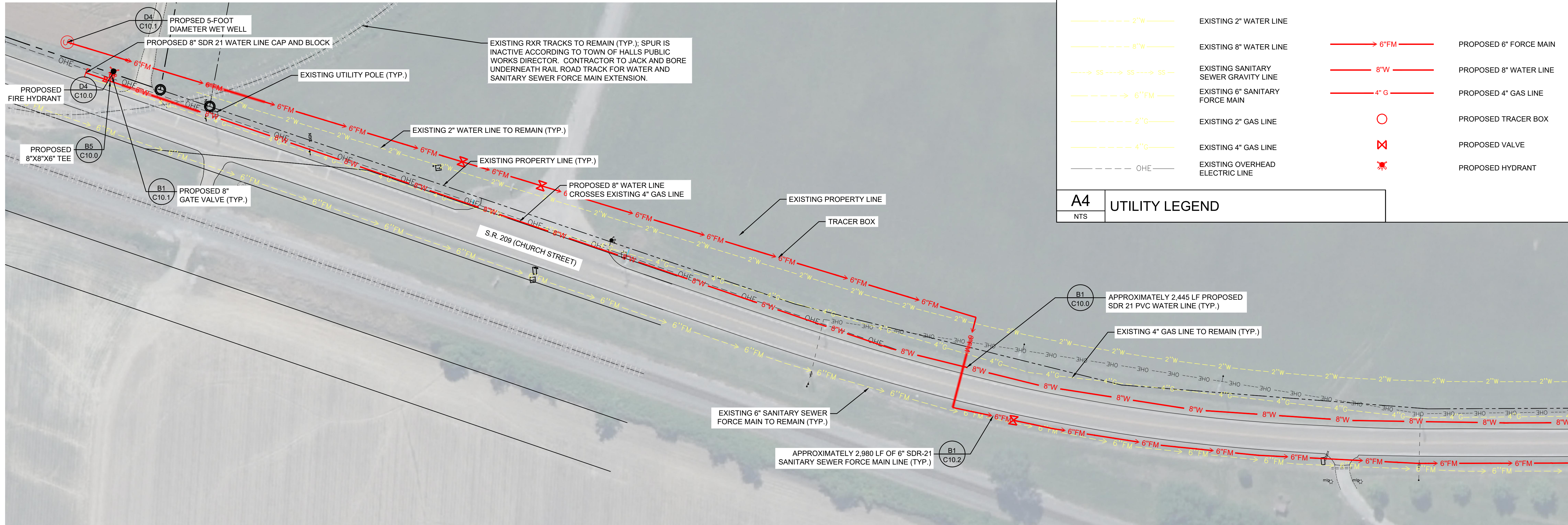
C4.3



D1	SILT FENCE
NTS	

1/20/2024 12:54:52 Civil/Planning/C4.3 EPSC DETAIL.dwg
PLOT DATE: 05/22/2024 11:58:59

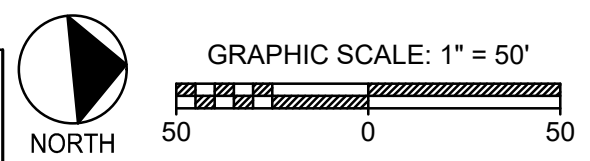
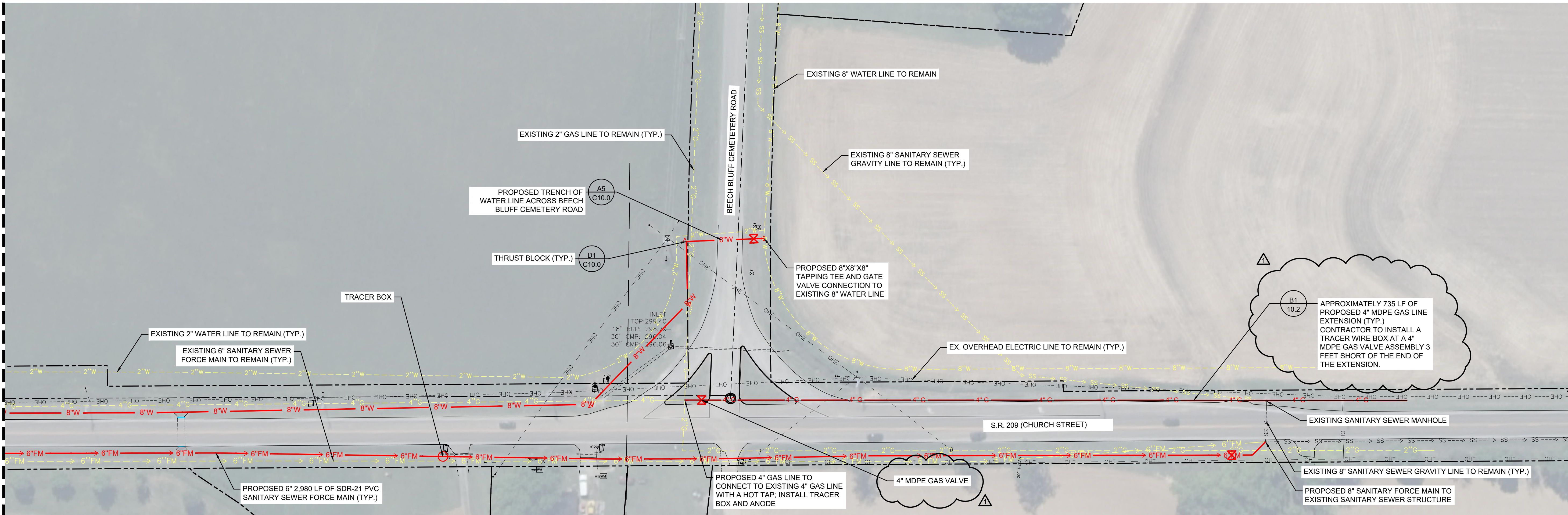
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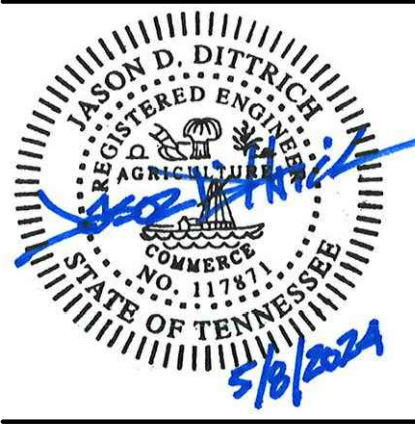
	EXISTING 2" WATER LINE		PROPOSED 6" FORCE MAIN
	EXISTING 8" WATER LINE		PROPOSED 8" WATER LINE
	EXISTING SANITARY SEWER GRAVITY LINE		PROPOSED 4" GAS LINE
	EXISTING 6" SANITARY FORCE MAIN		PROPOSED TRACER BOX
	EXISTING 2" GAS LINE		PROPOSED VALVE
	EXISTING 4" GAS LINE		PROPOSED HYDRANT
	EXISTING OVERHEAD ELECTRIC LINE		

A4 UTILITY LEGEND
NTS

MATCH LINE - SEE THIS SHEET



D1 DETAILED UTILITY LAYOUT PLAN
1" = 50'



TOWN OF HALLS

**2023 SITE DEVELOPMENT GRANT
BEECH BLUFF UTILITY EXTENSION**

HALLS, TENNESSEE

CONSTRUCTION DOCUMENTS

REVISIONS		
1	ADDENDUM 1	05/22/2024

PROJECT NO.	DATE
2384	MAY 08, 2024
DRAWN	CHECKED
SFA	JDD

DETAILED UTILITY LAYOUT PLAN

CIVIL SHEETS
8 OF 15

C6.1