

LETTER OF TRANSMITTAL

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Haren Construction Co., Inc. cosborne@harenconstruction.com
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Norris Bros Excavating, LLC crystalwhittaker@norrisbrosexcavating.com
Pipe Works Plus kholloway@pipeworksplus.net
REV Construction, Inc. mtucker@revconstructioninc.com

The Blue Book emcveigh@mail.thebluebook.com
Dodge Data & Analytics dodge.bidding@construction.com
Builders Exchange of Tennessee heather@bxtn.org
ConstructConnect rachael.taylor@constructconnect.com

FROM: Don Tabor, P.E.

DATE: May 14, 2024

PROJ. NO.: C22044

SUBJECT: Addendum No. 2
Hamilton County Water and Wastewater Treatment Authority (WWTA)
West Brow Oval Pump Station Improvements/WWTA Project #12-316
(SWIG ID: 2022-8571, Project WW-PDC-1)

PAGES: 9 pages to follow

PLEASE RESPOND → → → →	TO CONFIRM RECEIPT OF THIS ADDENDUM NO. 2 PLEASE SIGN AND EMAIL TO CTI vvisco@ctiengr.com
	Company _____
	Signature _____
	Title _____
	Date _____

ID 828113

ADDENDUM NO.2
WEST BROW OVAL PUMP STATION IMPROVEMENTS
HAMILTON COUNTY WWTA
WWTA PROJECT NO.12-316
(SWIG ID: 2022-8571, PROJECT: WW-PDC-1)
CTI PROJECT NO. C22044

I. CONTRACT DRAWINGS

The following changes shall be made to the Contract Drawings:

- A. *Drawing G-001.3.*** DELETE the drawing in its entirety and SUBSTITUTE therefore the attached Drawing G-001.4.
- B. *Drawing C-002.2.*** DELETE the drawing in its entirety and SUBSTITUTE therefore the attached Drawing C-002.3.
- C. *Drawing C-003.3.*** DELETE the drawing in its entirety and SUBSTITUTE therefore the attached Drawing C-003.4.
- D. *Drawing C-004.3.*** DELETE the drawing in its entirety and SUBSTITUTE therefore the attached Drawing C-004.4.
- E. *Drawing E-001.2.*** DELETE the drawing in its entirety and SUBSTITUTE therefore the attached Drawing E-001.3.

II. REQUESTS FOR BIDDER INFORMATION

The following are responses to the Requests for Bidder Information Questions/Comments that were submitted to CTI Engineers, Inc.:

1. The following questions were asked regarding “Article 19 ARP Guidelines” in “Section 00 73 00 Supplemental General Conditions” in the Contract Documents and Specifications: What is meant by preference and practicable? Are domestic materials required or preferred?

Response: ARP has required American Iron, Steel, and Manufactured Goods usage provisions. Unless otherwise approved, all Iron, Steel, or Manufactured Goods used on this project shall be domestically produced. A request to use foreign Iron, Steel, and/or Manufactured Goods can be submitted for approval. However, adequate information must be submitted with the request. Below is information from the Code of Federal Regulations regarding their requirements.

§ 176.140 Award term—Required Use of American Iron, Steel, and Manufactured Goods—Section 1605 of the American Recovery and Reinvestment Act of 2009.

When awarding Recovery Act funds for construction, alteration, maintenance, or repair of a public building or public work that does not involve iron, steel, and/or manufactured goods covered under international agreements, the agency shall use the award term described in the following paragraphs:

(a) **Definitions.** As used in this award term and condition—

(1) **Manufactured good** means a good brought to the construction site for incorporation into the building or work that has been—

(i) Processed into a specific form and shape; or

(ii) Combined with other raw material to create a material that has different properties than the properties of the individual raw materials.

(2) **Public building and public work** means a public building of, and a public work of, a governmental entity (the United States; the District of Columbia; commonwealths, territories, and minor outlying islands of the United States; State and local governments; and multi-State, regional, or interstate entities which have governmental functions). These buildings and works may include, without limitation, bridges, dams, plants, highways, parkways, streets, subways, tunnels, sewers, mains, power lines, pumping stations, heavy generators, railways, airports, terminals, docks, piers, wharves, ways, lighthouses, buoys, jetties, breakwaters, levees, and canals, and the construction, alteration, maintenance, or repair of such buildings and works.

(3) **Steel** means an alloy that includes at least 50 percent iron, between .02 and 2 percent carbon, and may include other elements.

(b) **Domestic preference.**

(1) This award term and condition implements Section 1605 of the American Recovery and Reinvestment Act of 2009 (Recovery Act) ([Pub. L. 111-5](#)), by requiring that all iron, steel, and manufactured goods used in the project are produced in the United States except as provided in [paragraph \(b\)\(3\)](#) and [\(b\)\(4\)](#) of this section and condition.

(2) This requirement does not apply to the material listed by the Federal Government as follows:

[Award official to list applicable excepted materials or indicate “none”]

(3) The award official may add other iron, steel, and/or manufactured goods to the list in [paragraph \(b\)\(2\)](#) of this section and condition if the Federal Government determines that—

(i) The cost of the domestic iron, steel, and/or manufactured goods would be unreasonable. The cost of domestic iron, steel, or manufactured goods used in the project is unreasonable when the cumulative cost of such material will increase the cost of the overall project by more than 25 percent;

(ii) The iron, steel, and/or manufactured good is not produced, or manufactured in the United States in sufficient and reasonably available quantities and of a satisfactory quality; or

(iii) The application of the restriction of section 1605 of the Recovery Act would be inconsistent with the public interest.

(c) *Request for determination of inapplicability of Section 1605 of the Recovery Act.*

(1)

(i) Any recipient request to use foreign iron, steel, and/or manufactured goods in accordance with [paragraph \(b\)\(3\)](#) of this section shall include adequate information for Federal Government evaluation of the request, including—

(A) A description of the foreign and domestic iron, steel, and/or manufactured goods;

(B) Unit of measure;

(C) Quantity;

(D) Cost;

(E) Time of delivery or availability;

(F) Location of the project;

(G) Name and address of the proposed supplier; and

(H) A detailed justification of the reason for use of foreign iron, steel, and/or manufactured goods cited in accordance with [paragraph \(b\)\(3\)](#) of this section.

(ii) A request based on unreasonable cost shall include a reasonable survey of the market and a completed cost comparison table in the format in [paragraph \(d\)](#) of this section.

(iii) The cost of iron, steel, and/or manufactured goods material shall include all delivery costs to the construction site and any applicable duty.

(iv) Any recipient request for a determination submitted after Recovery Act funds have been obligated for a project for construction, alteration, maintenance, or repair shall explain why the recipient could not reasonably foresee the need for such determination and could not have requested the determination before the funds were obligated. If the recipient does not submit a satisfactory explanation, the award official need not make a determination.

(2) If the Federal Government determines after funds have been obligated for a project for construction, alteration, maintenance, or repair that an exception to section 1605 of the Recovery Act applies, the award official will amend the award to allow use of the foreign iron, steel, and/or relevant manufactured goods. When the basis for the exception is nonavailability or public interest, the amended award shall reflect adjustment of the award amount, redistribution of budgeted funds, and/or other actions taken to cover costs associated with acquiring or using the foreign iron, steel, and/or relevant manufactured goods. When the basis for the exception is the unreasonable cost of the domestic iron, steel, or manufactured goods, the award official shall adjust the award amount or redistribute budgeted funds by at least the differential established in [2 CFR 176.110\(a\)](#).

(3) Unless the Federal Government determines that an exception to section 1605 of the Recovery Act applies, use of foreign iron, steel, and/or manufactured goods is noncompliant with section 1605 of the American Recovery and Reinvestment Act.

(d) **Data.** To permit evaluation of requests under [paragraph \(b\)](#) of this section based on unreasonable cost, the Recipient shall include the following information and any applicable supporting data based on the survey of suppliers:

Foreign and Domestic Items Cost Comparison

Description	Unit of measure	Quantity	Cost (dollars)*
<i>Item 1:</i>			
Foreign steel, iron, or manufactured good	_____	_____	_____
Domestic steel, iron, or manufactured good	_____	_____	_____
<i>Item 2:</i>			
Foreign steel, iron, or manufactured good	_____	_____	_____
Domestic steel, iron, or manufactured good	_____	_____	_____

[List name, address, telephone number, email address, and contact for suppliers surveyed. Attach copy of response; if oral, attach summary.]

[Include other applicable supporting information.]

*[*Include all delivery costs to the construction site.]*

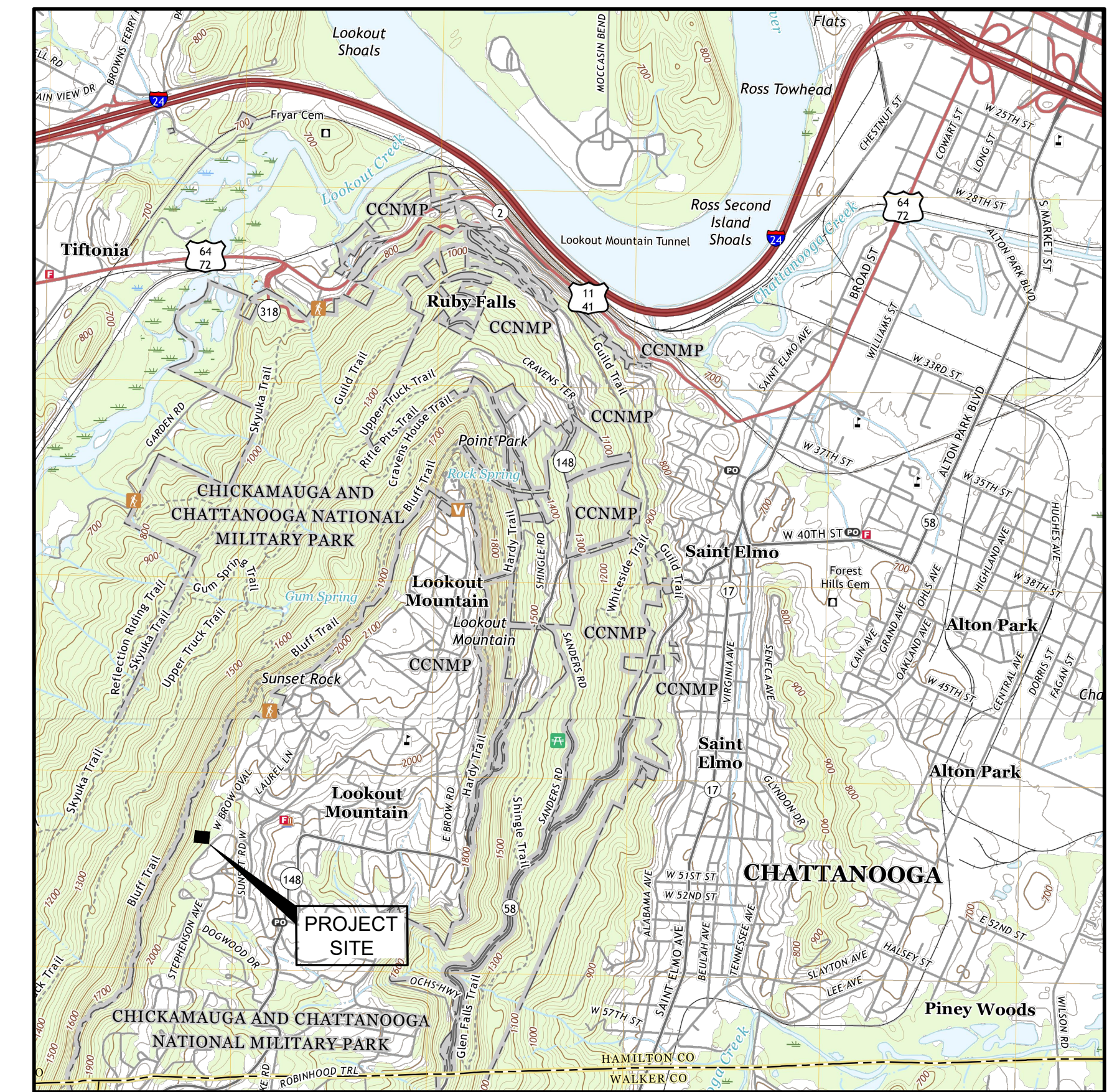
Date: May 14, 2024

CTI Engineers, Inc.
/s/ Don Tabor, P.E.
Project Manager

HAMILTON COUNTY WWTA WEST BROW OVAL PUMP STATION IMPROVEMENTS WWTA PROJECT NO.12-316 (SWIG ID: 2022-8571, PROJECT: WW-PDC-1)

DRAWING INDEX

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NEW PUMP STATION ACCESS ROAD PLAN AND PROFILE	C-004.4
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EROSION & SEDIMENT CONTROL DETAILS (SHEET 2 OF 2)	ES-002
EXISTING PREFABRICATED PUMP STATION REFERENCE DRAWING	R-001



LOCATION MAP

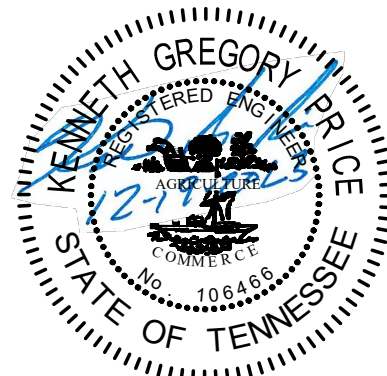
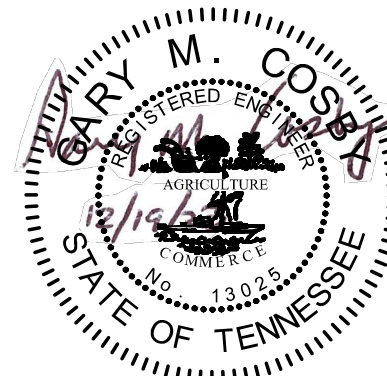
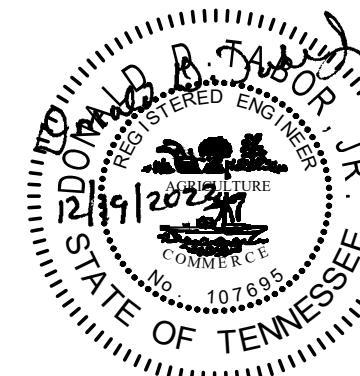
SCALE: 1"= 2000'

HAMILTON COUNTY WATER & WASTEWATER TREATMENT AUTHORITY (WWTA) BOARD OF COMMISSIONERS

- ALICE CANNELLA, P.E. (RETIRED), CHAIR
- JAY BELL
- WAYNE BEHLAU
- DARIAN COLLINS
- DOUG FISHER
- DICK GEE
- WALKER JONES
- MATTHEW JUSTICE
- STEVE LEACH
- PETE PHILLIPS
- BILL MCGRUFF, TREASURER
- GENE SHIPLEY

MIKE PATRICK, P.E., EXECUTIVE DIRECTOR
ERIC BROOKS, P.E., CHIEF ENGINEER

PREPARED BY:



Donald D. Tabor 12/19/2023
DONALD D. TABOR, P.E. DATE
TENNESSEE LICENSE NO. 107695
TELEPHONE: 423-267-7613
FAX: 423-267-0603

REVIEWED
HAMILTON COUNTY
WATER & WASTEWATER TREATMENT
AUTHORITY

- NO EXCEPTIONS TAKEN
- EXCEPTIONS TAKEN AS NOTED
- REVISE AND SUBMIT
- REJECTED - DOES NOT COMPLY WITH PROJECT REQUIREMENTS

Reviewed for conformance with project design concept and for compliance with standards of quality established in the Contract Documents and specifications. This review shall not relieve Contractor from responsibilities for correctness of detail and dimension, nor for deviation from Contract Document requirements, except as noted and accepted in writing at the time of submittal to Engineer.

By: Michael P. [Signature] Date: 3/12/24

- APPROVED FOR CONSTRUCTION
- APPROVED FOR CONSTRUCTION WITH CORRECTIONS

THIS DOCUMENT BEARING THIS STAMP HAS BEEN REVIEWED BY THE HAMILTON COUNTY WATER & WASTEWATER TREATMENT AUTHORITY (WWTA) UNDER AUTHORITY DELEGATED BY THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION DIVISION OF WATER RESOURCES AND IS HEREBY APPROVED FOR CONSTRUCTION.

THIS APPROVAL SHALL NOT BE CONSTRUED AS CREATING A PRESUMPTION OF CORRECT OPERATION OR AS WARRANTING BY THE WWTA THAT THE APPROVED FACILITIES WILL REACH THE DESIGNATED GOALS.

APPROVAL DATE 3-12-24
APPROVAL EXPIRES IN 12 MONTHS

BY: [Signature]
CHIEF ENGINEER

LEGEND

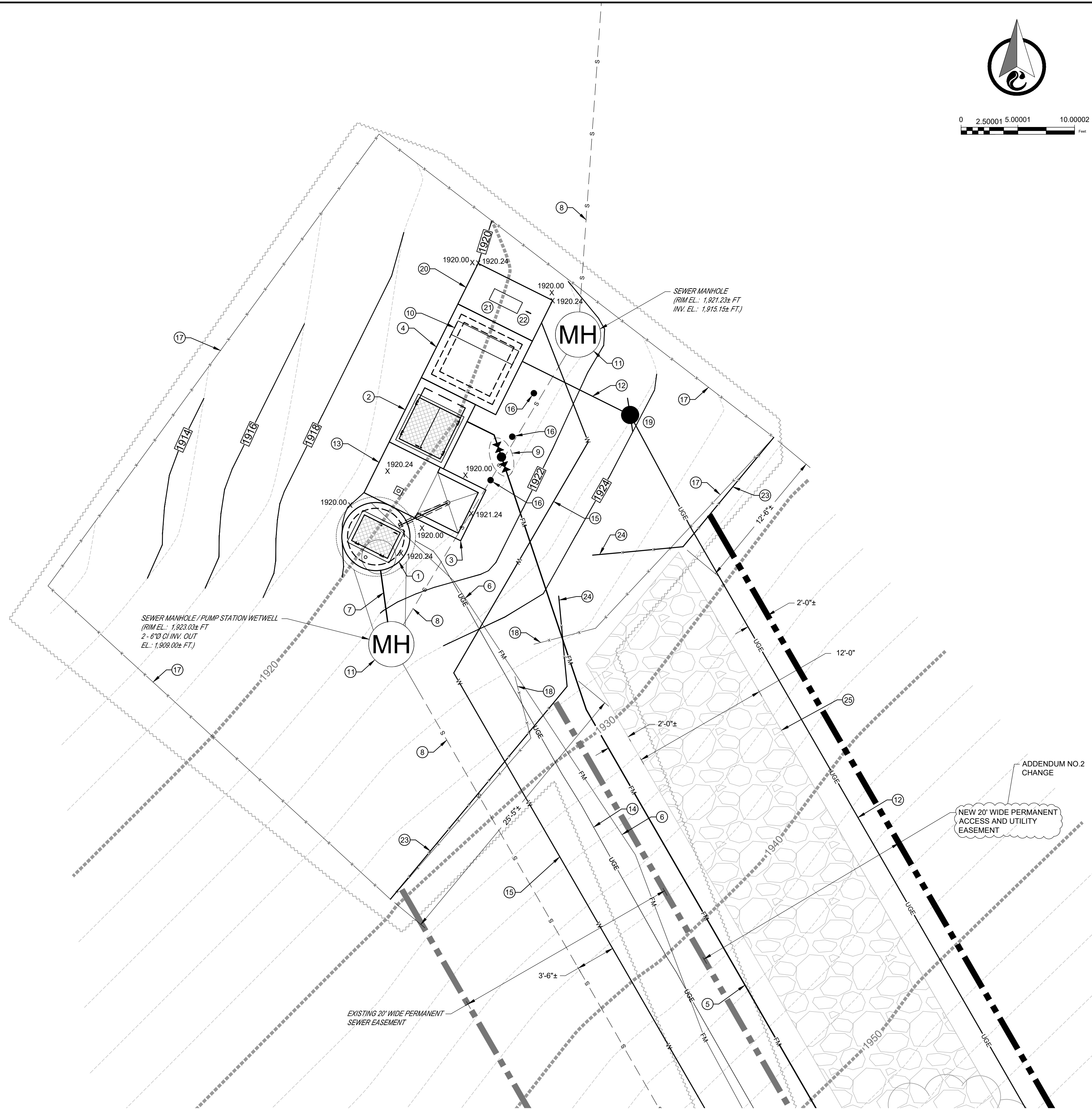
	EXISTING CHAIN LINK FENCE
	EXISTING TREES LOCATED BY SURVEY
	EXISTING SHRUBS LOCATED BY SURVEY
	EXISTING TREE LINE
	EXISTING OVERHEAD POWER LINE & POLE
	EXISTING ASPHALT PAVEMENT
	EXISTING EASEMENT BOUNDARY
	EXISTING RIGHT-OF-WAY LINE
	EXISTING PROPERTY LINE
	EXISTING SEWER FORCE MAIN
	EXISTING GRAVITY SEWER & MANHOLE
	EXISTING UNDERGROUND WATERLINE
	EXISTING GAS LINE
	EXISTING SEWER MANHOLE
	NEW EASEMENT BOUNDARY
	NEW SEWER FORCE MAIN
	NEW UNDERGROUND WATER LINE
	NEW UNDERGROUND ELECTRIC LINES

PUMP STATION SITE KEY

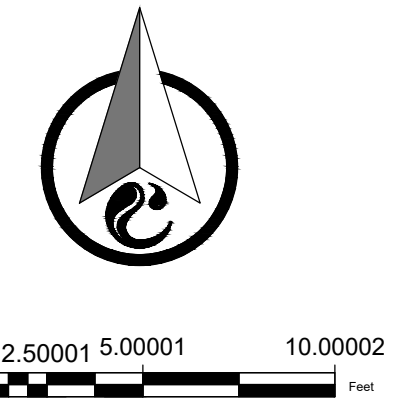
- 1 NEW 5'Ø PRECAST CONCRETE WETWELL INSTALLED INSIDE OF EXISTING 7'Ø STEEL DRYWELL (SEE DRAWING M-001)
- 2 NEW 48" x 60" PRECAST CONCRETE VALVE VAULT (SEE DRAWING M-001)
- 3 NEW CONCRETE WASH DOWN PAD (SEE DRAWINGS M-001 & S-001)
- 4 NEW CAST-IN-PLACE REINFORCED CONCRETE PAD (SEE DRAWINGS M-001 & S-001)
- 5 NEW 4"Ø DR11 (DIPS) HDPE SEWER FORCE MAIN
- 6 EXISTING 4"Ø CIP SEWER FORCE MAIN (TO BE PLUGGED AND ABANDONED)
- 7 NEW 8"Ø DI GRAVITY SEWER LINE
- 8 EXISTING 8"Ø CI GRAVITY SEWER LINE
- 9 NEW FORCE MAIN BYPASS ASSEMBLY (SEE DRAWINGS M-001 & M-002)
- 10 NEW CONTROL PANEL (SEE DRAWINGS M-001, E-001, & E-003)
- 11 EXISTING 4'Ø GRAVITY SEWER PRECAST CONCRETE SEWER MANHOLE
- 12 NEW UNDERGROUND ELECTRIC SERVICE LINE (SEE DRAWING E-001)
- 13 NEW CAST-IN-PLACE REINFORCED CONCRETE SLAB (SEE DRAWINGS M-001 & S-001)
- 14 EXISTING UNDERGROUND ELECTRIC SERVICE LINE (TO BE ABANDONED)
- 15 NEW 1"Ø TYPE K COPPER WATER SERVICE LINE
- 16 NEW CONCRETE SAFETY BOLLARD - FIELD LOCATE (SEE DRAWING M-003)
- 17 EXISTING CHAIN-LINK FENCE
- 18 EXISTING 12' WIDE DUAL-LEAF ACCESS GATE (TO BE REMOVED)
- 19 NEW POWER SERVICE POLE (SEE DRAWING E-001)
- 20 NEW 4' x 7'-4" CONCRETE PAD FOR BACKFLOW PREVENTER, HOTBOX, AND YARD HYDRANT (SEE DRAWINGS M-002 AND S-001)
- 21 NEW BACKFLOW PREVENTER AND HOT BOX (SEE DRAWING M-002)
- 22 NEW FREEZELESS YARD HYDRANT (SEE DRAWING M-002)
- 23 NEW 7' HIGH CHAIN LINK FENCE (SEE DETAIL ON DRAWING M-003)
- 24 NEW 7' HIGH, 16' WIDE, DUAL-LEAF CHAIN LINK FENCE GATE (SEE DRAWING M-003)
- 25 NEW ACCESS ROAD (SEE DRAWINGS C-004 & M-003)

NOTES:

1. THE NEW GRAVITY SEWER LINE SHALL BE INSTALLED AT THE DEPTHS/GRADE SHOWN ON THE CONTRACT DRAWINGS.
2. THE NEW FORCE MAIN SHALL BE CONSTRUCTED OF 4-IN (NOMINAL) DIAMETER DR11 (200 PSI) HDPE (DIPS) IN ACCORDANCE WITH THE REQUIREMENTS STIPULATED IN THE SPECIFICATIONS, AND AT THE LOCATIONS SHOWN ON THE DRAWINGS.
3. THE CREATION OF UNPLANNED HIGH POINTS ALONG THE NEW FORCE MAIN SEGMENTS MUST BE AVOIDED. UNLESS OTHERWISE SHOWN, THE CROWN OF THE FORCE MAIN SHALL BE INSTALLED AT A MINIMUM OF 3-FEET BELOW THE EXISTING SURFACE. THE SEWER FORCE MAIN SEGMENTS SHALL BE TESTED AND APPROVED PER THE REQUIREMENTS STIPULATED IN THE SPECIFICATIONS.
4. TRENCHES SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS STIPULATED IN THE SPECIFICATIONS AND AS SHOWN ON THE CONTRACT DRAWINGS.
5. THE NEW BACKFILL SHALL BE PLACED AND COMPACTED IN LIFTS IN ACCORDANCE WITH THE REQUIREMENTS STIPULATED IN THE SPECIFICATIONS AND AS SHOWN ON THE CONTRACT DRAWINGS.
6. STONE BACKFILL SHALL BE PLACED AND COMPACTED BELOW AND AROUND THE NEW PRECAST CONCRETE STRUCTURES IN ACCORDANCE WITH THE REQUIREMENTS STIPULATED IN THE SPECIFICATIONS AND AS SHOWN ON THE CONTRACT DRAWINGS.
7. ALL NON-PAVED AND NON-GRAVELED DISTURBED AREAS SHALL BE GRADED AND SEEDED IN ACCORDANCE WITH THE REQUIREMENTS STIPULATED IN THE SPECIFICATIONS.
8. REPLACE THE EXISTING 7' HIGH CHAIN LINK FENCE AND DUAL-LEAF GATE LOCATED ALONG THE SOUTHEASTERN END OF THE PUMP STATION SITE WITH NEW 7' HIGH CHAIN LINK FENCE AND 16' WIDE DUAL-LEAF VEHICULAR GATE AS SHOWN ON THIS DRAWING AND DRAWING M-003.
9. INSTALL NEW ACCESS ROAD AT THE LOCATIONS SHOWN ON THE CONTRACT DRAWINGS AND PER THE DETAIL ON DRAWING M-003.
10. INSTALL NEW PRECAST AND CAST-IN-PLACE CONCRETE STRUCTURES AND NEW UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS STIPULATED IN THE SPECIFICATIONS AND AS SHOWN ON THE CONTRACT DRAWINGS.



PUMP STATION - SITE PLAN
SCALE: 1" = 5'

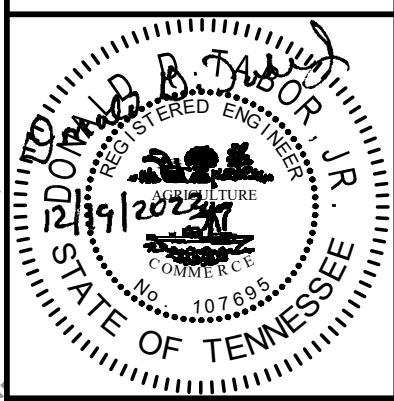


THIS DRAWING IS AN INSTRUMENT OF SERVICE OWNED BY CTI ENGINEERS, INC. (CTI), WHICH SHALL BE DEEMED THE AUTHOR AND COMMON LAWYER. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED IN THIS DRAWING. IT SHALL NOT BE REPRODUCED, COPIED, OR DISTRIBUTED TO OTHERS IN ANY FORM OR MANNER WITHOUT THE WRITTEN CONSENT OF CTI. CTI IS NOT RESPONSIBLE FOR CONSEQUENCES RELATED TO UNAUTHORIZED USE OR REUSE OF THIS DRAWING OR PORTIONS THEREOF.

NO.	DESCRIPTIONS	REVISIONS		
		DATE	BY	APPD
1	REDUCED VALVE VAULT SIZE	02/24	DDT	DDT
2	REVISED UTILITIES/ACCESS RD RTE	03/24	DDT	DDT
3	REV PERMANENT EASEMENT LABEL	05/24	DDT	DDT

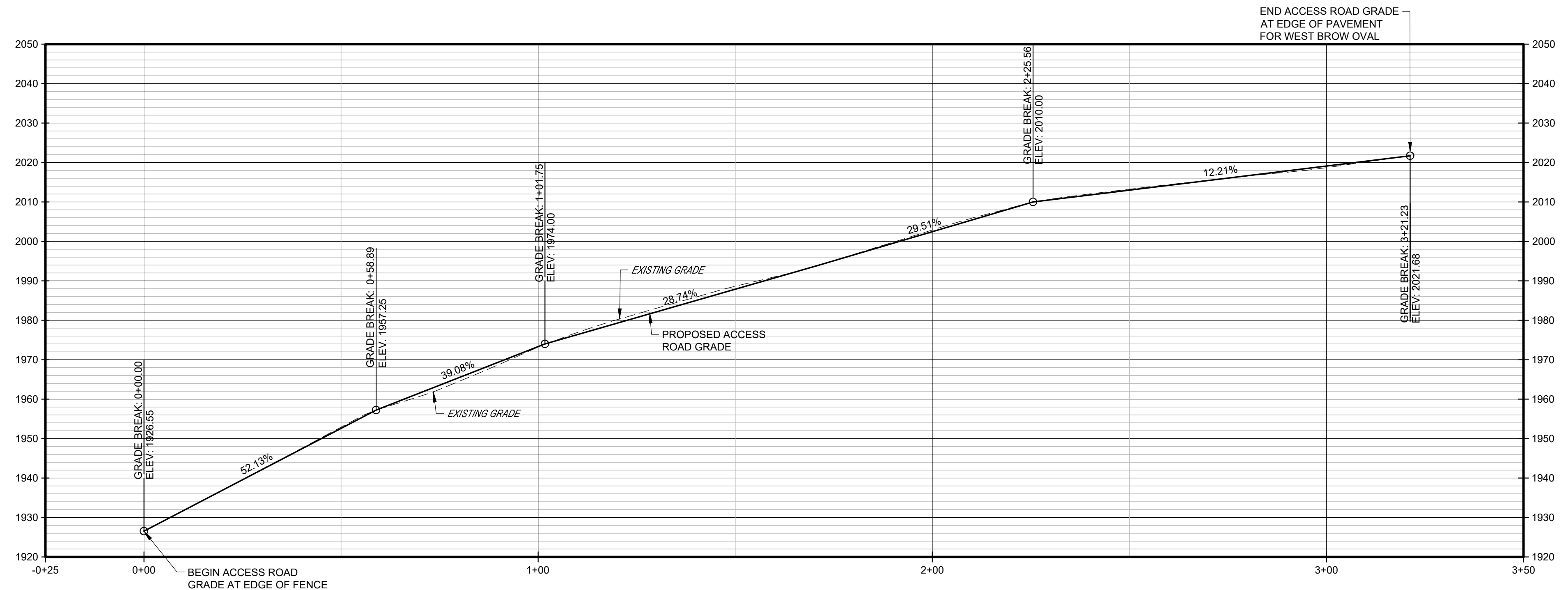
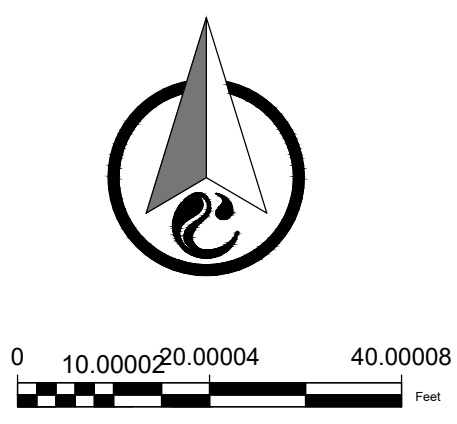
DESIGN	CHKD	APPD
RWJ	DDT	DDT

HAMILTON COUNTY WWA
WEST BROW OVAL PUMP STATION
IMPROVEMENTS
PUMP STATION SITE PLAN - IMPROVEMENTS

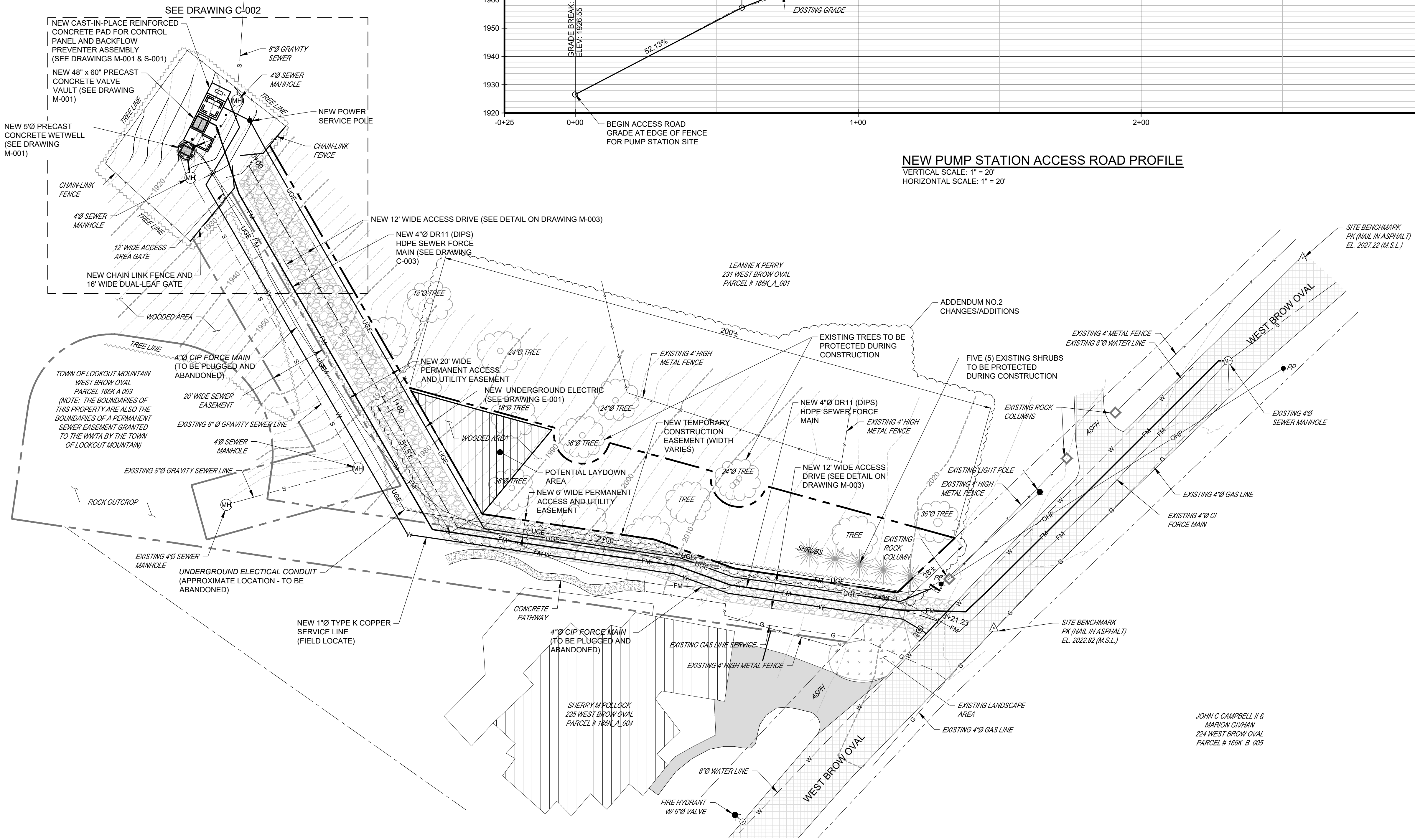


JOB NO. C22044
ISSUE DATE 12/19/2023
DRAWING NO. C-002.3

CTI PROJECT: C22044, DRAWING: C22044 REVISED FINAL C101-C201 - Civil Plan Sheets DT REV3C (8/15/2005/5/14/24 1:14PM), LAYOUT: C-004.4



NEW PUMP STATION ACCESS ROAD PROFILE
 VERTICAL SCALE: 1" = 20'
 HORIZONTAL SCALE: 1" = 20'

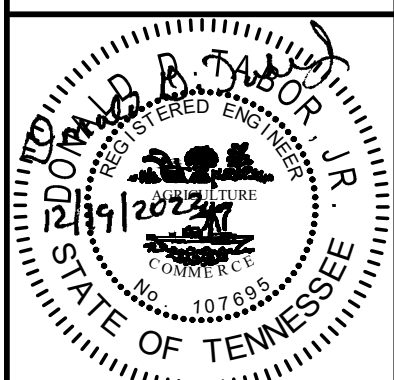


PUMP STATION SITE PLAN
 SCALE: 1" = 20'

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DESIGN		REVISIONS			
RWJ	DDT	NO.	DESCRIPTIONS	DATE	BY
DDT	DDT	1	MODIFIED DRAWING NAME	01/24	DDT
DDT	DDT	2	REDUCED VALVE VAULT SIZE	02/24	DDT
DDT	DDT	3	REVISED PS ACCESS ROAD RTE	03/24	DDT
DDT	DDT	4	ADDED TEMP CONSTR EASEMENT	05/24	DDT

HAMILTON COUNTY WWTA
 WEST BROW OVAL PUMP STATION
 IMPROVEMENTS
 NEW PUMP STATION ACCESS ROAD
 PLAN AND PROFILE



JOB NO.
 C22044
 ISSUE DATE
 12/19/2023
 DRAWING NO.
 C-004.4

DATE OF PRINT: 5/14/2024 1:14 PM

