

ADDENDUM NO. 1
CONTRACT 16-2 WASTEWATER TREATMENT PLANT IMPROVEMENTS
SRF #CW4 2017-386; 2017-392
TRENTON, TENNESSEE
WAUFORD PROJECT NO. 3615

Date of Addendum: Monday, May 22, 2017

Construction Bid Date: 10:00 AM Local Time, Thursday, June 1, 2017

1. Attached to this Addendum are the sign in sheets from the pre-bid meeting and the list of pre-qualified general contractors.
2. Agreement, Paragraph 4 "Current Estimates"

The following shall be changed;

- The first sentence shall read; "... during the preceding calendar month by the Contractor, less **five (5)** percent of the amount..."
- Delete the last sentence.

3. Detailed Specifications, Sub-Section 9 "Miscellaneous Metals"

Paragraph 13 – Page DS 9-8, title shall be change to "Removable Aluminum Cover – **SBR Influent Valve Vault**"

4. Detailed Specifications, Sub-Section 10C "Sequencing Batch Reactor (SBR)"

The following shall be changed;

- Paragraph 3 – Page DS 10C-2, "Performance Requirements" –
 - Effluent Phosphorus = **2mg/l (1mg/l with chemical addition)**
 - Site Elevation = **314**
 - Design Minimum Temperature = **12°C**
- Paragraph 5.G. – Page DS 10C-30, "Valves and Valve Actuators"
 - The 24" plug valves shall have a minimum of **70%** of the full port opening.
 - Actuators shall be AUMA SQ or **SA/GS** series or pre-approved equal.

5. Detailed Specifications, Sub-Section 10E "Vertical Turbine Effluent Pumps"

The following shall be changed;

- Paragraph 3 – Page DS 10E-1, "Performance Requirements"
 - Maximum Shut Off Head = **70** feet
 - Secondary Condition Pump Speed = **Variable**
 - Maximum Horsepower = **30Hp**
- Paragraph 6 – Page DS 10E-3, "Equipment"
 - The impeller shall be **410 stainless steel**.

6. Plans Sheet 1, Existing Site Plan"

Replace the existing Sheet 1 with the attached Sheet 1, the existing wetlands are shown on the updated Site Plan.

7. Plans Sheet 2, "Proposed Site Grading Plan"

The new embankment slopes are shown to be covered with a minimum of 18-inches of rip-rap. The contractor may use the existing rip rap around the existing lagoons for this material.

8. Plans Sheet 3, "Proposed Site Piping Plan"

The new 2-inch waterline shall be SDR 21 PVC.

9. Plans Sheet 5, "Headworks Plan View and Wall Plan"

- Clarification; the bar screen will deposit the screenings into a screw conveyor as specified with no wash water.
- The Grit Classifier will have a vent pipe (location varies by manufacturer)

10. Plans Sheet 7, "Headworks Sections and Details"

Change OCSG 7 to **Surface Mounted** and delete the remark.

11. Plans Sheet 8 & 12, Post Aeration System

Clarification – Only the blower will be relocated, the pipe and diffusers will be new. The new air piping shall be unlined DIP up to the 304 stainless steel drops.

12. Plans Sheet 9, “SBR and Chlorine Contact Wall Plan”

Correction – there shall be **42** - 4” hydrostatic relief valves in the bottom slab of this structure.

13. Plans Sheet 13, “Flow Meter and Valve Vault Details”

- Clarification – The spare taps for the chemical feeds shall be plugged with no quill provided.
- Attached are revised details for the “SBR Influent Valve Vault”

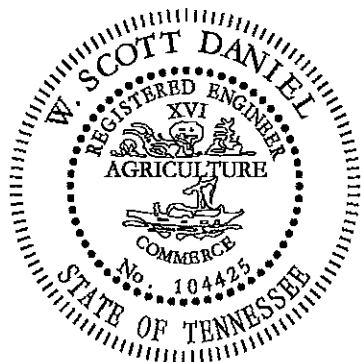
14. Plans Sheet 15, “Sludge Dewatering”

The 6-inch valves on the fill lines shall be resilient seated gate valves with hand wheel operators.

15. Plans Sheet E2, “Site Electrical Modifications Plan”

Add the following for the gate operator.

“Furnish and install 1” conduit with 3 each - #10 THHN/THWN copper conductors connected to spare 20 amp, 1 pole circuit breaker in panelboard “L” located in Blower Building Electrical room routed to proposed gate controller at plant entrance. Furnish and install 1” conduit with 1 each – Category 6 cable from main PLC control panel in Blower Building Electrical room routed to proposed gate controller. Contractor will be responsible for empty 1” conduits installed for ground loop, limit switch and pushbutton kiosk cables. Contractor will be responsible for coordinating all installations with gate supplier and providing power, communications and controls interconnections as required.”



J. R. WAUFORD & COMPANY,
CONSULTING ENGINEERS, INC.

W. Scott Daniel 5/22/17

W. Scott Daniel, P.E.
Tennessee License No. 104425

CONTRACTOR PRE-BID MEETING
 NEW SEQUENCING BATCH REACTOR
 WASTEWATER TREATMENT PLANT IMPROVEMENTS
 TRENTON LIGHT AND WATER
 TRENTON, TENNESSEE
 WAUFORD PROJECT NO. 3615; CONTRACT 16-02
 JUNE 18, 2017, 2:00 P.M. LOCAL TIME

Name	Organization	Phone	E-Mail
Scott Dahlstrom	TrentonL&W	731 855 1561	sdahlstrom@trentonlw.com
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 WASTEWATER TREATMENT PLANT IMPROVEMENTS
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Name	Organization	Phone	E-Mail
Scott DANIEL	WAUFORD	(731)668-1953	scott@SRWAUFORD.COM
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JOE SMITH	SMITH CONTRACTORS	502-839-4196	js@sci82.com
Patrick Hughrey	J.B. Stewart pump & Equip	901-461-7623	Hughrey@JBSRump.com
Keith Moore	Industrial Control & Elec.	(731)285-8863	keith@ice-electric.com
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Brent Simmons	Centerline Elect	731-285-9888	bsimmons@centerlineelectric.com
Paul Chupin	CLE	731-285-9888	pchupin@centerlineelectric.com

PRE-QUALIFIED GENERAL CONTRACTORS
CONTRACT 16-2 WASTEWATER TREATMENT PLANT IMPROVEMENTS
SRF #CW4 2017-386; 2017-392
TRENTON, TENNESSEE
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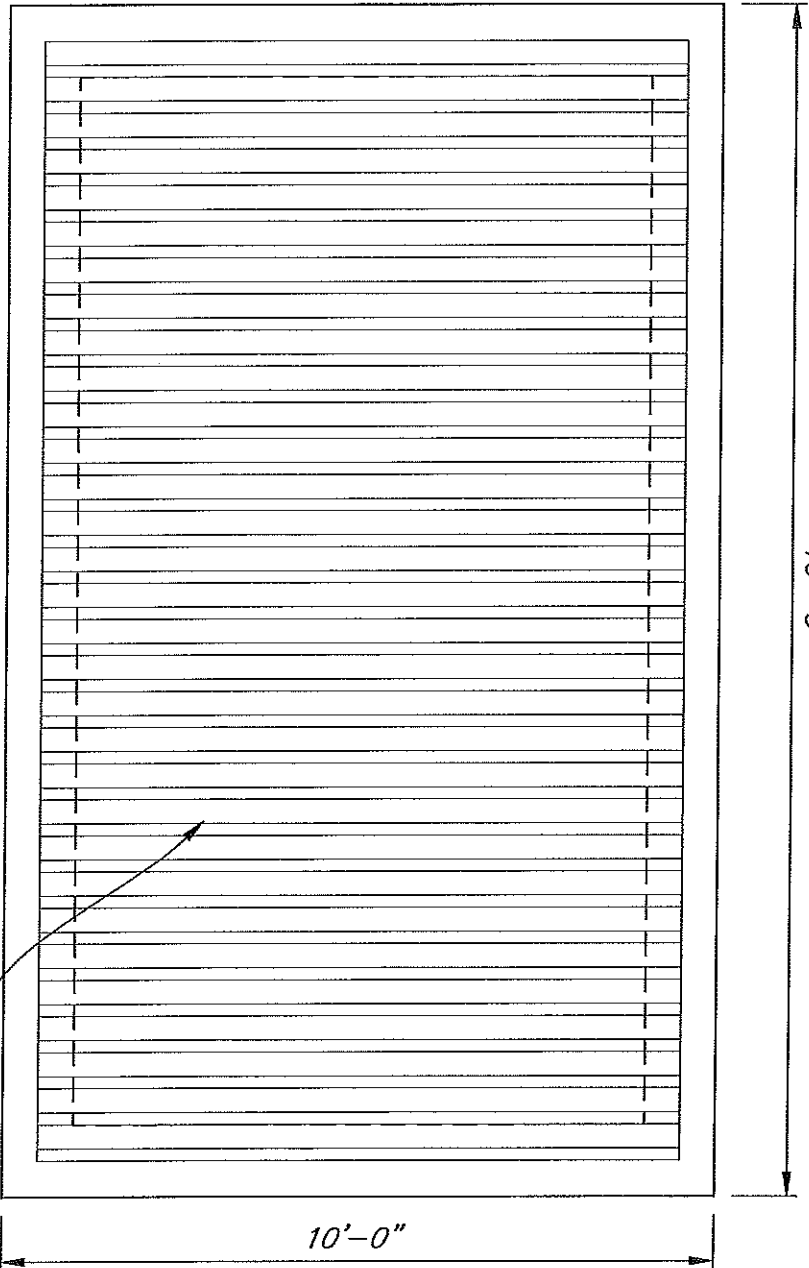
Haren Construction Company, Inc. – Etowah, Tennessee

J. Cumby Construction, Inc. – Cookeville, Tennessee

Max Foote Construction Company, LLC – Mandeville, Louisiana

Smith Contractors, Inc. – Lawrenceburg, Kentucky

W. Rogers Company, LLC – Lexington, Kentucky

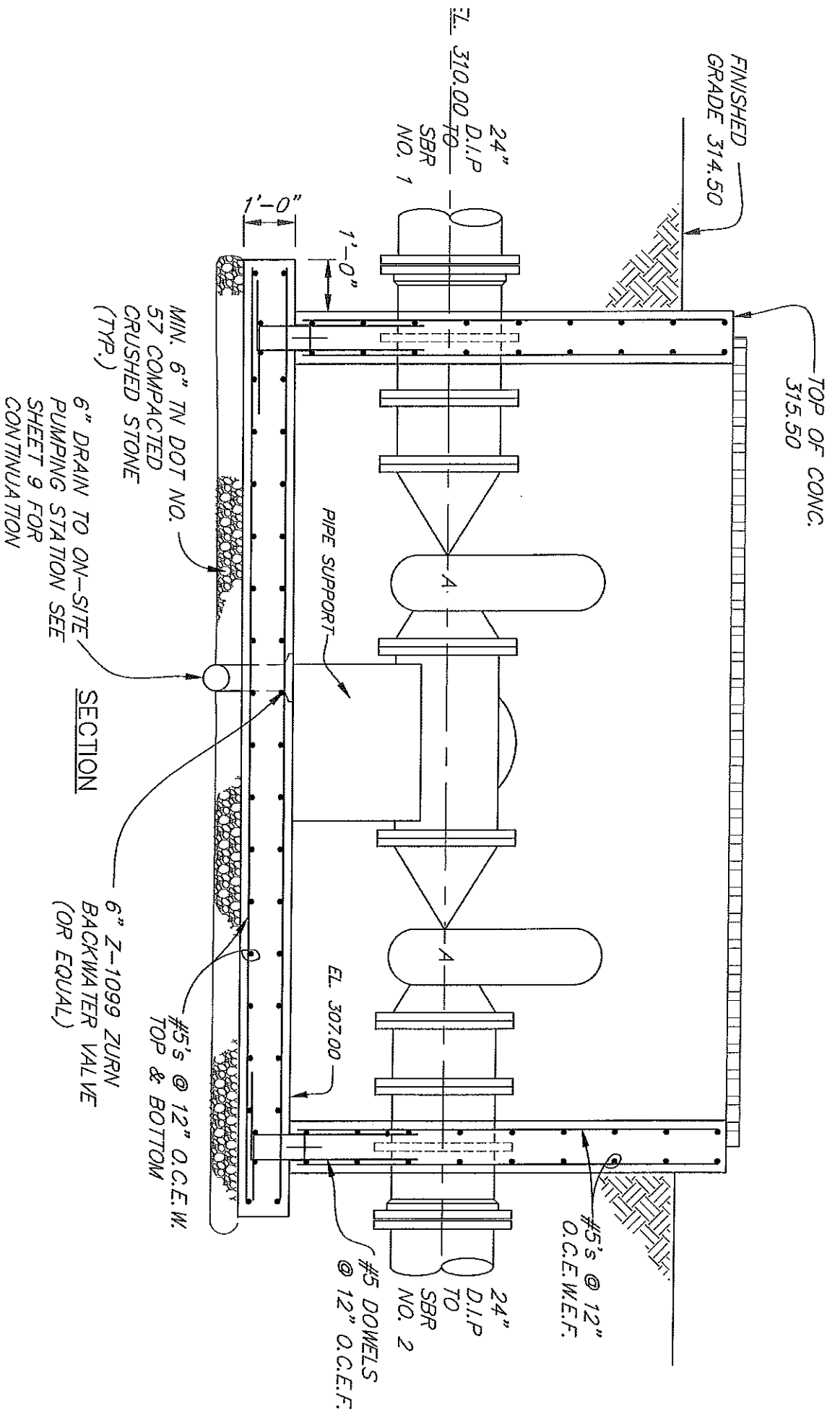


TOP PLAN

SBR INFLUENT VALVE VAULT

SCALE: $\frac{3}{8}'' = 1' - 0''$

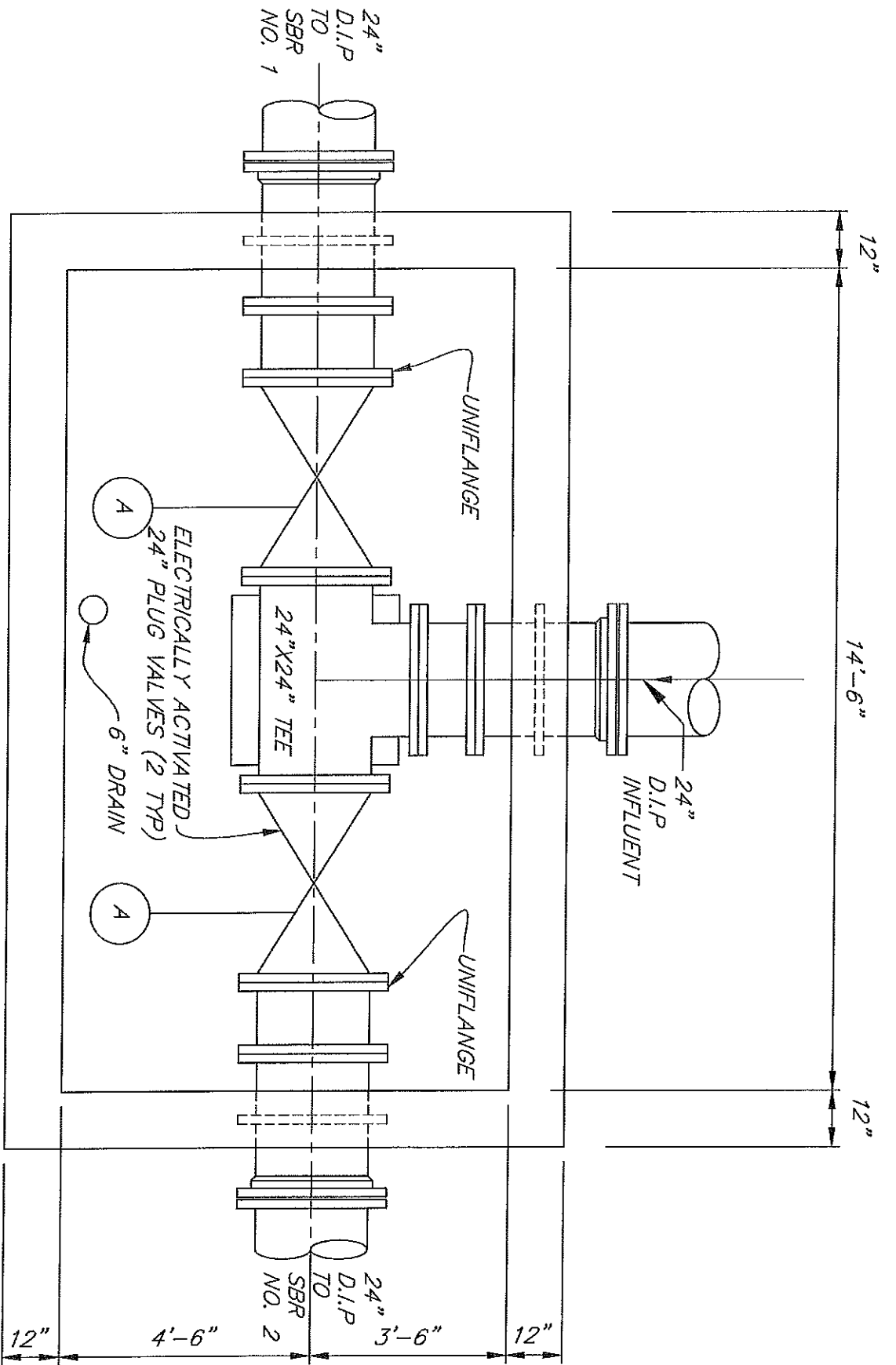
ADDENDUM #1



SBR INFLUENT VALVE VAULT

SCALE: $\frac{3}{8}$ " = 1'-0"

ADDENDUM #1



WALL PLAN

SBR INFLUENT VALVE VAULT

SCALE: $\frac{3}{8}$ " = 1'-0"

ADDENDUM #1

GENERAL NOTES:

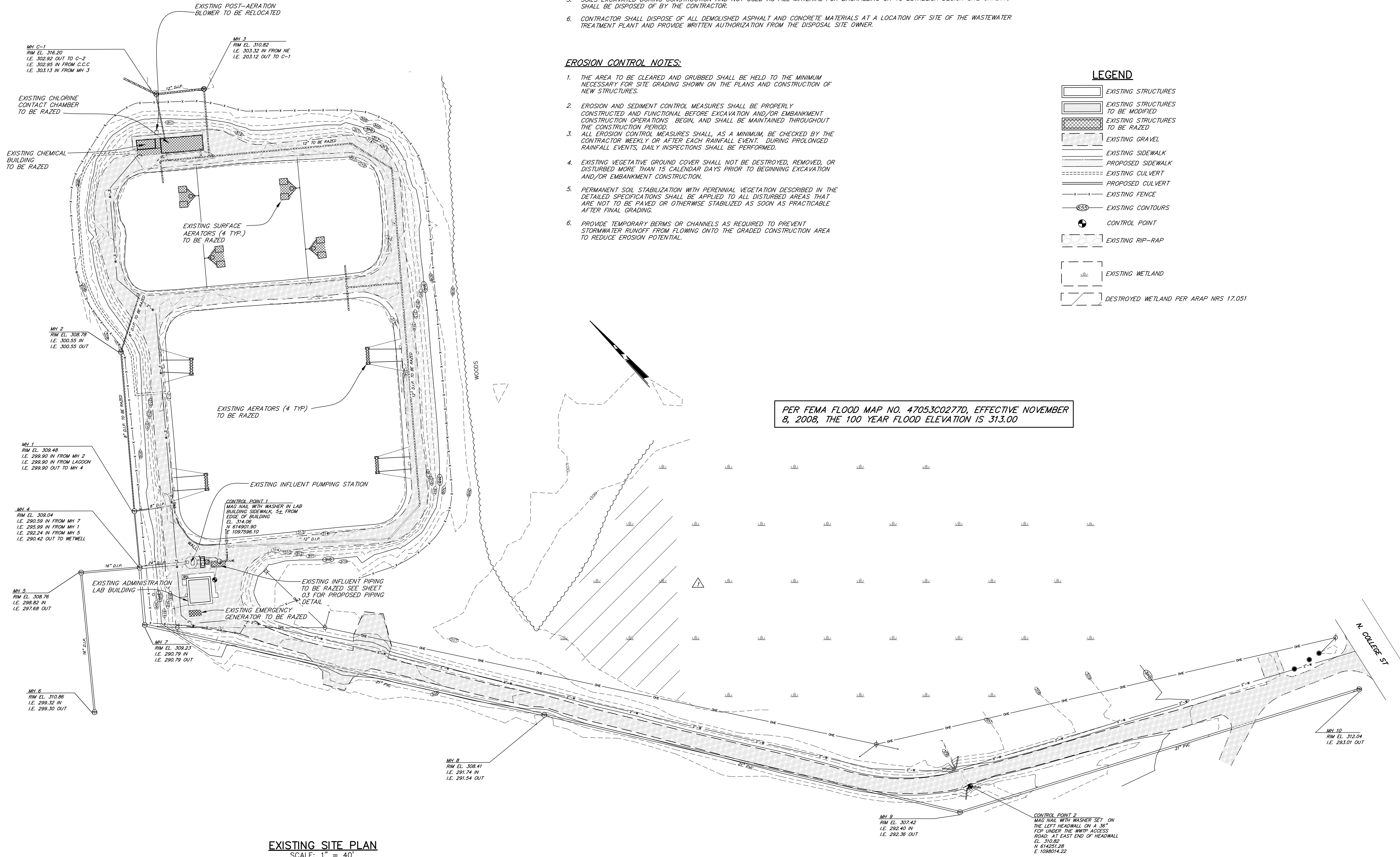
1. THE LOCATIONS AND DEPTHS OF EXISTING UTILITIES SHOWN ON THE PLANS HAVE NOT BEEN VERIFIED. THE LOCATIONS AND DEPTHS OF ALL EXISTING UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY APPARENT DISCREPANCIES OR REQUIRED DESIGN MODIFICATIONS IMMEDIATELY UPON DISCOVERY.
2. FOR EXISTING UTILITY LOCATIONS, THE CONTRACTOR SHALL CONTACT TENNESSEE "ONE-CALL" AT 1-800-351-1111 AS WELL AS ALL UTILITY OWNERS NOT MEMBERS OF THE TENNESSEE "ONE-CALL" SYSTEM AT LEAST 72 BUSINESS HOURS IN ADVANCE OF BEGINNING EXCAVATION. THE CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF TENNESSEE CODE ANNOTATED (TCA) 65-31-101 CONCERNING RESPONSIBILITIES DURING EXCAVATION PROCEDURES TO PREVENT DAMAGE TO UNDERGROUND UTILITIES.
3. CONTRACTOR SHALL USE ALL NECESSARY TEMPORARY WATER POLLUTION CONTROL MEASURES AS SHOWN ON THE PLANS, AS DIRECTED BY THE ENGINEER AND/OR AS SPECIFIED TO PREVENT THE TRANSPORT OF SEDIMENT FROM THE SITE. SEE EROSION CONTROL NOTES THIS SHEET.
4. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE DISPOSITION OF WASTE MATERIAL GENERATED DURING CONSTRUCTION. THE OWNER SHALL HAVE RIGHTS TO ALL SALVAGEABLE MATERIALS. REFER TO SECTION 1 OF THE SPECIFICATIONS.
5. SOILS EXCAVATED DURING CONSTRUCTION AND NOT USED AS FILL MATERIAL FOR BACKFILLING OR TO ESTABLISH DESIGN SITE GRADING SHALL BE DISPOSED OF BY THE CONTRACTOR.
6. CONTRACTOR SHALL DISPOSE OF ALL DEMOLISHED ASPHALT AND CONCRETE MATERIALS AT A LOCATION OFF SITE OF THE WASTEWATER TREATMENT PLANT AND PROVIDE WRITTEN AUTHORIZATION FROM THE DISPOSAL SITE OWNER.

EROSION CONTROL NOTES:

1. THE AREA TO BE CLEARED AND GRUBBED SHALL BE HELD TO THE MINIMUM NECESSARY FOR SITE GRADING SHOWN ON THE PLANS AND CONSTRUCTION OF NEW STRUCTURES.
2. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROPERLY CONSTRUCTED AND FUNCTIONAL BEFORE EXCAVATION AND/OR EMBANKMENT CONSTRUCTION OPERATIONS BEGIN, AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
3. ALL EROSION CONTROL MEASURES SHALL, AS A MINIMUM, BE CHECKED BY THE CONTRACTOR WEEKLY OR AFTER EACH RAINFALL EVENT. DURING PROLONGED RAINFALL EVENTS, DAILY INSPECTIONS SHALL BE PERFORMED.
4. EXISTING VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED, OR DISTURBED MORE THAN 15 CALENDAR DAYS PRIOR TO BEGINNING EXCAVATION AND/OR EMBANKMENT CONSTRUCTION.
5. PERMANENT SOIL STABILIZATION WITH PERENNIAL VEGETATION DESCRIBED IN THE DETAILED SPECIFICATIONS SHALL BE APPLIED TO ALL DISTURBED AREAS THAT ARE NOT TO BE PAVED OR OTHERWISE STABILIZED AS SOON AS PRACTICABLE AFTER FINAL GRADING.
6. PROVIDE TEMPORARY BERMS OR CHANNELS AS REQUIRED TO PREVENT STORMWATER RUNOFF FROM FLOWING ONTO THE GRADED CONSTRUCTION AREA TO REDUCE EROSION POTENTIAL.

LEGEND

- EXISTING STRUCTURES
- EXISTING STRUCTURES TO BE MODIFIED
- EXISTING STRUCTURES TO BE RAZED
- EXISTING GRAVEL
- EXISTING SIDEWALK
- PROPOSED SIDEWALK
- EXISTING CULVERT
- PROPOSED CULVERT
- EXISTING FENCE
- EXISTING CONTOURS
- CONTROL POINT
- EXISTING RIP-RAP
- EXISTING WETLAND
- DESTROYED WETLAND PER ARAP NRS 17.051



EXISTING SITE PLAN
SCALE: 1" = 40'

SHEET 01 OF 21		WASTEWATER TREATMENT PLANT IMPROVEMENTS CONTRACT 16-02: SEQUENCING BATCH REACTOR	
REVISIONS		DESIGNED WSD	
MARCH 2017-ISSUED FOR BID		DRAWN ACS	
ADDED WETLAND ACS 5/8/17		CHECKED WSD	
EXISTING SITE PLAN		FOR TRENTON LIGHT AND WATER TRENTON, TENNESSEE	
SCALE		WAUFORD	
AS SHOWN		J. S. Wauford & Company, Consulting Engineers, Inc. Jackson, Tennessee (731) 668-1953 www.greuford.com	
JOB NUMBER	DATE	CHECKED	
3615	OCT. 2016	WSD	

