# ADDENDUM NO. 3

DATE: **April 27, 2026**

OWNER: **Town of Tignall**

PROJECT: **Wastewater Treatment Plant Improvements**

C & S PROJECT NO.: **T7040.003**

ENGINEER: **Martin C. Boyd, P.E.**
**CARTER & SLOOPE, INC.**
**1031 Stonebridge Parkway**
**Watkinsville, Georgia 30677**
**Telephone: 706-769-4119**
**Email: mboyd@cartersloope.com**

**BID DATE: April 30, 2026** **BID OPENING: 2:00 PM Local Time**

TO ALL BIDDERS:

DOWNLOADING THIS ADDENDUM THROUGH QUESTCDN IS YOUR ACKNOWLEDGMENT OF RECEIPT. NO OTHER ACTION IS NECESSARY TO ACKNOWLEDGE RECEIPT. THIS ADDENDUM FORMS A PART OF THE BID DOCUMENTS WHICH ARE HEREBY MODIFIED IN THE FOLLOWING RESPECTS:

## I. Questions / Answers

1. **Question:** On plan sheet 13 under the air piping schedule there are 4" MJ gate valves with boxes called out under note A6. On plan sheet 20, Lemna detail view 2 shows what looks to be wafer style butterfly valves stubbed above the berm to be tied into the HDPE lines. Are we to include those additional lug valves above ground in addition to the buried gate valves or should it just be one or the other?

   **Answer:** The Contractor shall furnish and install butterfly valves. On Sheet 13 of the Drawings, Item A6 will be changed to 4" FL BUTTERFLY VALVE. See revised Sheet 13 included in this Addendum for air piping schedule. Valve boxes are no longer required since the butterfly valve will not be buried; however, a concrete pipe support will be necessary to support the pipe and valve and the Contractor should use the detail for pipe support as shown on Sheet 25.

2. **Question:** Specification 15124-2.3 states to refer to the gate schedule on the plans for gate quantity, size, mounting type, and frame type; however, there doesn't appear to be a gate schedule in the plans. Can a schedule be provided for the required slide gates?
   **Answer:** Strike entire spec Section 15124. There are only two (2) gates on the Polishing Reactor and those will cast iron gates equivalent to Waterman C-20.

3. **Question:** Sheet 18 calls for a 4" blow off valve 'By Others'. Is this valve not a part of this contract? Or is it a part of this contract, just not provided by the equipment supplier?
   **Answer:** The 4" blow off valve is a part of this contract. It is to be provided by the Contractor. See revised Sheet 13 included in this Addendum for blow valve location and detail.

4. **Question:** In reference to Section 02300, Paragraph 3.2.F, can there be an allowance or unit price added to the bid form for imported fill if this is required during construction?
   **Answer:** No. The Contractor should provide and maintain at all times during construction, ample means and devices to prmopty remove and dispose of all water from any source entering the excavations.

5. **Question:** The drawings show a chemical piping pull box at the chemical storage building, but no pull boxes at the Polishing Reactor structure. Are pull boxes at the Polishing Reactor structure required for the transition from tubing to PVC piping?
   **Answer:** Yes, chemical piping pull boxes will be required. The detail is shown on Sheet 26 per this Addendum. The locations of the pull boxes are shown modified sheet 14 included in this Addendum.

6. **Question:** Sheet E.5 shows to demolish aerators in the existing pond C but sheet 5 doesn't show any aerators. Do the aerators need to be demolished?
   **Answer:** Yes, existing aerators in Pond C are to be removed and disposed of by the Contractor.

7. **Question:** For 2.4 Chemical Feed accessories, refers to spec section 11305 that was not included in the bidding documents. Could you confirm these pumps are NOT mounted on a skid and that is why this spec section was not provided? If the pumps are meant to be on a skid system, could you please provide this spec section?
   **Answer:** Chemical feed pumps are to be wall mounted, not mounted on a skid. See revised Sheet 17 included in Addendum #1 for mounting details.

8. **Question:** For 2.2 Performance Criteria – only minimum flow was provided, could you please provide max flow?
   **Answer:** Maximum flow rate for the chemical feed pumps shall be 31.7 GPH.

9. **Question:** Spec section 11200 appears in the table of contents but not in the specs. Is this spec section required? If so, please provide.
   **Answer:** Section 11200 was intentionally not used, and any references to Section 11200 should be struck from the Table of Contents.

10. **Question:** I see where the Basis of Bid Form has been revised to be submitted as our bid proposal. It appears it is on Quest CDN under the Mechanical Materials and Mechanical Equipment Document download to be submitted on May 5th. Please advise.
    **Answer:** The Bid will be submitted online via QuestCDN. Section 00410 - Basis of Bid should be submitted digitally online with the Bid so that we have a signed and binding bid. The Major Materials & Mechanical Equipment Schedule in Section 00410A-1 may be submitted within 5 days of the Bid Opening.

11. **Question:** Addendum No. 2 – Page 8, Question No. 54 – states that the project references are to be included in the 00470 Qualification of Bidders to be submitted on May 5th, but the Basis of Bid Form – Item 2.01.F, states it is to be submitted with the bid. Please advise.

    **Answer:** Project References are included in Section 00470, which are to be submitted within five (5) days after bidding. This will be corrected below in modification so Section 00410.

12. **Question:** How was the volume of 1500 dry tons to be removed calculated? This figure is drastically different from the volume we are expecting.
    **Answer:** We made a calculation error. The online bid form has been updated with a reduced quantity and we have added a unit pricing for mobilization and demobilization.

13. **Question:** Can a specification or detail be provided for the emergency eyewash stations shown on sheet 17?
    **Answer:** The emergency eyewash shall be a Honeywell Fendall Flash Flood Eyewash Station or an engineer approved equal.

14. **Question:** Addendum 2, Question 40 and Specification Section 03601, the specifications call for a bagged non-shrink grout with a minimum compressive strength of 9,500 psi. Based on an estimated yield of 0.017 cubic yards per 50 lb. bag and a total volume of approximately 40 cubic yards for this project, this equates to roughly 2,350 bags of non-shrink grout. This requirement represents a significant increase in both material and labor costs and is atypical based on our experience for this type of application. Please confirm that this specified grout mix is intended for use in the proposed influent (bar screen) structure, the existing aeration basin, and the proposed aeration structure, and advise if any alternative grout types or placement methods are acceptable.
    **Answer:** General purpose grout may be used where "Grout" or "Grout Fill" is indicated on the Drawings and the compressive strength of the grout should be a minimum of 3,000 psi at 28-days. Non-shrink grout is not required in those areas labeled or shown as "Grout" or "Grout Fill" on the Drawings.

15. **Question:** Can pond "C" be dewatered into the wetlands, since only 2 cells of the wetlands are currently being used?
    **Answer:** No. Water from Pond "C" may be pumped into Pond "A" and/or Pond "B".

16. **Question:** Can pond "C" be dewatered into pond "B"?
    **Answer:** Yes

17. **Question:** Can the sludge in the pond "C" be solidified while still in the pond "C" prior to removing it?
    **Answer:** Yes. It is up to the Contractor to determine the means and methods for dewatering.

18. **Question:** E.8 indicates a Surge Protector for FIT-200, but no related specification is included. Please provide specification.
    **Answer:** The relevant specification is included in this Addendum.

## II. CONTRACT DOCUMENTS AND SPECIFICATIONS

1. **Section 00003 – Table of Contents**
   A. Refer to page 00003-3, Paragraph Division 11 - Equipment. Please strike the reference to 11200. It is not required.

2. **Section 00410 – Basis of Bid (issued via Addendum 2)**
   A. Refer to Article 2 – Attachments To This Bid, Paragraph 2.01. Make these modifications:
      1. Strike Paragraph 2.01 F.
      2. Change Paragraph G to read "F. Certificate Regarding Lobbying (Section 00495)"
   B. Refer to Article 2 – Attachments To This Bid, Paragraph 2.02. Make these modifications"
      1. In Paragraph 2.02.A, at the end change "(Section 00400A)" to read "Section 00410A)"
      2. Add the following: "H. List of Project References ; (submit in Section 00470)"
3. **Section 00410A – Major Materials & Mechanical Equipment Schedule**
   A. Replace the entire Section 00410A with the revised Section enclosed.

## III. CONTRACT DRAWINGS

1. **Revised Sheets**
   A. Please remove and replace the following sheets with the attached revised sheets: 7,13,14,24

## MAJOR MATERIALS AND MECHANICAL EQUIPMENT SCHEDULE

The following schedule **MUST** be completed by the Bidder for all Major Materials and Mechanical Equipment as listed. **The prices for the Base Bid materials and mechanical equipment listed shall be used by the Bidder as the basis for determining the Total Base Bid Lump Sum Price in Items 1-3 of the Bid Worksheet. The Bidder may provide alternate prices for accepted equal materials and mechanical equipment, which will be evaluated as described in Section 05200.**

| | Dollars & Cents (Not Words) |
|---|---|
| a. Section 11300 – Chemical Metering Pumps: Mechanical Diaphragm Metering Pump | |
| Base Bid: Watson-Marlow | $ _____ |
| Accepted Equal: Blue-White | $ _____ |
| Accepted Equal: ProMinent | $ _____ |
| b. Sections 11231 - 11235 - Lemtec Biological Treatment Processes | |
| Base Bid: Lemna Environmental Technologies | $ _____ |
| Accepted Equal: _____ | $ _____ |
| Accepted Equal: _____ | $ _____ |
| c. Section 13150 – Pre-Engineered Fiberglass Shelters | |
| Base Bid: Tracom | $ _____ |
| Accepted Equal: Kenco Plastics | $ _____ |
| Accepted Equal: Shelter Works | $ _____ |
| Accepted Equal: Associated Fiberglass Enterprises | $ _____ |

END OF SECTION

## YARD PIPING NOTES:

1. LOCATION OF EXISTING YARD PIPING IS APPROXIMATE AND SHOWN FOR CONTRACTOR'S REFERENCE ONLY. CONTRACTOR SHALL POTHOLE ALL EXISTING BURIED PIPING AT ALL PROPOSED CROSSING LOCATIONS PRIOR TO LAYING NEW YARD PIPING AND NOTIFY ENGINEER OF ANY CONFLICTS.
2. BURIED FITTINGS NOT LABELED ON THIS SHEET CAN BE FOUND ON THE FOLLOWING SITE PLAN SHEETS OR THE CIVIL DRAWINGS.
3. ALL BURIED DUCTILE IRON PRESSURE FITTINGS SHALL BE MECHANICAL JOINT AND HAVE CONCRETE BLOCKING OR RESTRAINED JOINTS.
4. ALL BURIED PVC PRESSURE FITTINGS SHALL HAVE CONCRETE BLOCKING.
5. IF ANY PIPE INSTALLED UNDER EXISTING OR PROPOSED ROADWAYS HAS LESS THAN 2.5' OF COVER, INSTALL 6" CONCRETE CAP OVER PIPE TO SPRINGLINE.
7. ALL PIPING 4" AND LARGER IS DIP UNLESS OTHERWISE NOTED.
8. DUCTILE IRON PIPE PRESSURE CLASSES SHALL BE AS SHOWN BELOW:
   - 12" DIP & SMALLER: CLASS 350
   - 14" & 16" DIP: CLASS 250
   - 24" DIP: CLASS 200
   - 30" DIP: CLASS 150
9. ALL BURIED PVC PIPING GREATER THAN 4" IN DIAMETER IS SDR 26, AND ALL BURIED PVC PIPING 4" OR LESS IS SCHEDULE 40 UNLESS OTHERWISE NOTED. ALL EXPOSED PVC PIPING IS SCHEDULE 80 UNLESS OTHERWISE NOTED.
10. ANYWHERE THAT PROPOSED ELECTRICAL DUCT BANK CROSSES EXISTING OR PROPOSED YARD PIPING, A MINIMUM OF 18" VERTICAL SEPARATION IS REQUIRED.
11. ALL NEW, BURRIED DIP AND PVC, PIPING SHALL HAVE TRACING WIRE w/ TRACER WIRE TESTING STATIONS (SEE DETAIL SHT. 23) AND WARNING TAPE.
12. SEE SHEET 1 FOR ADDITIONAL INFORMATION

## MISC. NOTES:

1. BLOWER SHELTER SHALL BE 7-FT X 7-FT RUBBERMAID STORAGE SHED (MOD. NO. 2119053 OR ENGINEER APPROVED EQUAL.)
2. BLOWER SHELTER SHALL BE MOUNTED PER MANUFACTURE'S RECOMMENDATIONS.

## YARD PIPING LINE LEGEND

| | EXISTING | PROPOSED |
|---|---|---|
| WATER MAIN | W | W |
| POTABLE WATER | PW | PW |
| NON-POTABLE WATER | NPW | NPW |
| REUSE WATER | RW | RW |
| SANITARY SEWER | SS | SS |
| FORCE MAIN | FM | FM |
| GAS LINE | GAS | GAS |
| UNDERGROUND ELECTRIC | UGE | OHP |
| OVERHEAD POWER | OHP | OHP |
| STORM DRAIN | | |
| CHLORINE FEED LINE | CL | CL |
| EXISTING PIPING TO BE ABANDONED | | |

| RELEASES | |
|---|---|
| 03/16/26 | RELEASE FOR BID |
| 03/30/26 | ADDENDUM #1 |
| 04/20/26 | ADDENDUM #2 |
| 04/24/26 | ADDENDUM #3 |

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GA COA LICENSE# PEF001004 EXPIRES 6/30/2026

Sd1-NS ±70 LF
PROPOSED BLOWERS W/ RELOCATED CARPORT (SEE SHEET 16)
EXISTING EFFLUENT STRUCTURE (TO BE MODIFIED, SEE SHEET 12)
PR SSMH A-1 STA. 1+06 N: 1404768.60 E: 477218.21
LINE A: 8" SDR 26 PVC GRAVITY SEWER
8" PLUG VALVE, MJ W/ VALVE BOX
PROPOSED 4" AIR PIPING (SEE SHEET 13)
CONTRACTOR TO RELOCATE EXISTING FORCE MAIN (SEE SHEET 13)
12" PLUG VALVE, MJ W/ VALVE BOX
EXISTING PARTIAL MIX POND (TO BE MODIFIED SEE SHEET 18 - 22)
PROPOSED POLISHING REACTOR (SEE SHEET 14-15)
PR SSMH A-2 (DOGHOUSE) STA. 0+35 N: 1404740.93 E: 477248.58
EXISTING LEMNA EFFLUENT BOX (SEE SHEET 11)
8" PLUG VALVE, MJ W/ VALVE BOX
PROPOSED AERATION POND EFFLUENT STRUCTURE (SEE SHEET 12)
PROPOSED 8' x 14' FRP CHEMICAL STORAGE BUILDING (SEE SHEET 17)
EXISTING LEMNA POND "B"
EXISTING ACCESS DRIVE
LINE A: 12" SDR 26 PVC GRAVITY SEWER
EXISTING INFLUENT STRUCTURE (TO BE REMOVED, SEE SHT 12)
ABANDONED CHEMICAL INJECTION POINT (TO BE DEMOED IN PLACE)
EXISTING BLOWERS SHALL BE RELOCATED FROM OPERATIONS BUILDING TO EXISTING CONCRETE PAD AND ANCHORED TO PAD
LINE B 12" EQUALIZATION LINE ( SEE SHEET 8)
CONTRACTOR TO PROVIDE SHELTER FOR EXISTING BLOWERS (SEE MISC. NOTE 1 THIS SHEET)
CONNECT TO EXISTING AIR PIPING. CONTRACTOR TO FIELD LOCATE EXISTING AIR PIPING. COORDINATE ALL PIPING CONNECTIONS WITH ENGINEER
EXISTING AERATION POND "A"
Sd1-NS ±170 LF
DEWATERING AREA (±11,500 SF)
PROPOSED 12" SDR 26 PVC GRAVITY SEWER I.E.: 579.55'
2 - 12" PLUG VALVE, MJ W/ VALVE BOX
Cd-Fs TYP. 2
PROPOSED BAR SCREEN (SEE SHEET 9 - 10)
PR SSMH A-3 STA. 3+40 N: 1404549.06 E: 477267.48
N/F BROOME RANDALL T & HINES PI: 058 059 JANE HILL RD
EXISTING 6" FORCE MAIN (TO BE ABANDONED IN PLACE ± 31LF)
CONNECT TO EXISTING FORCE MAIN
1 - 6" 90° BEND, MJ CONC. BLOCKING
EXISTING 8" SANITARY SEWER (TO BE ABANDONED IN PLACE ± 125LF)
PR SSMH A-4 (DOGHOUSE) STA. 1+84 N: 1404503.87 E: 477405.37
Sd1-S ±280 LF DOUBLE ROW
N/F PUBLIC PROPERTY PI: 058 058A01 JANE HILL RD
PROPOSED (2) 8' WIRE-FILLED SWING GATES - DOUBLE SWING,16' TOTAL OPENING
LINE C: PROPOSED 6" DR 18 PVC FORCE MAIN
6" 90° BEND, MJ CONC. BLOCKING
Sd1-NS ±370 LF
Co
Wo
EXACT WASHOUT AND CONSTRUCTION EXIT LOCATIONS TO BE FIELD LOCATED PRIOR TO ANY LAND DISTURBANCE
JANE HILL RD

| | |
|---|---|
| Du | TO BE PLACED ON ALL DISTURBED AREAS TO MATCH EXISTING CONDITIONS |
| Ds1 | |
| Ds2 | |
| Ds3 | |
| Ss | SEE NOTE 16, EC1 |

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20 0 20 40 60
GRAPHIC SCALE IN FEET: 1" = 20'

ADDENDUM #3
REPLACE WITH REVISED SHEET
3

GEORGIA REGISTERED No. 25423 PROFESSIONAL ENGINEER MARTIN C. BOYD
03/12/2026

# PROPOSED SITE PLAN - SOUTH

THIS LINE IS ONE INCH LONG WHEN DRAWING IS PLOTTED FULL SCALE

| | |
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| DSGN: MB | DRWN: JB |
| SCALE: AS SHOWN | |
| PROJ. NO.: T7040.003 | |
| DATE: 03/16/26 | SHEET NO.: 7 |

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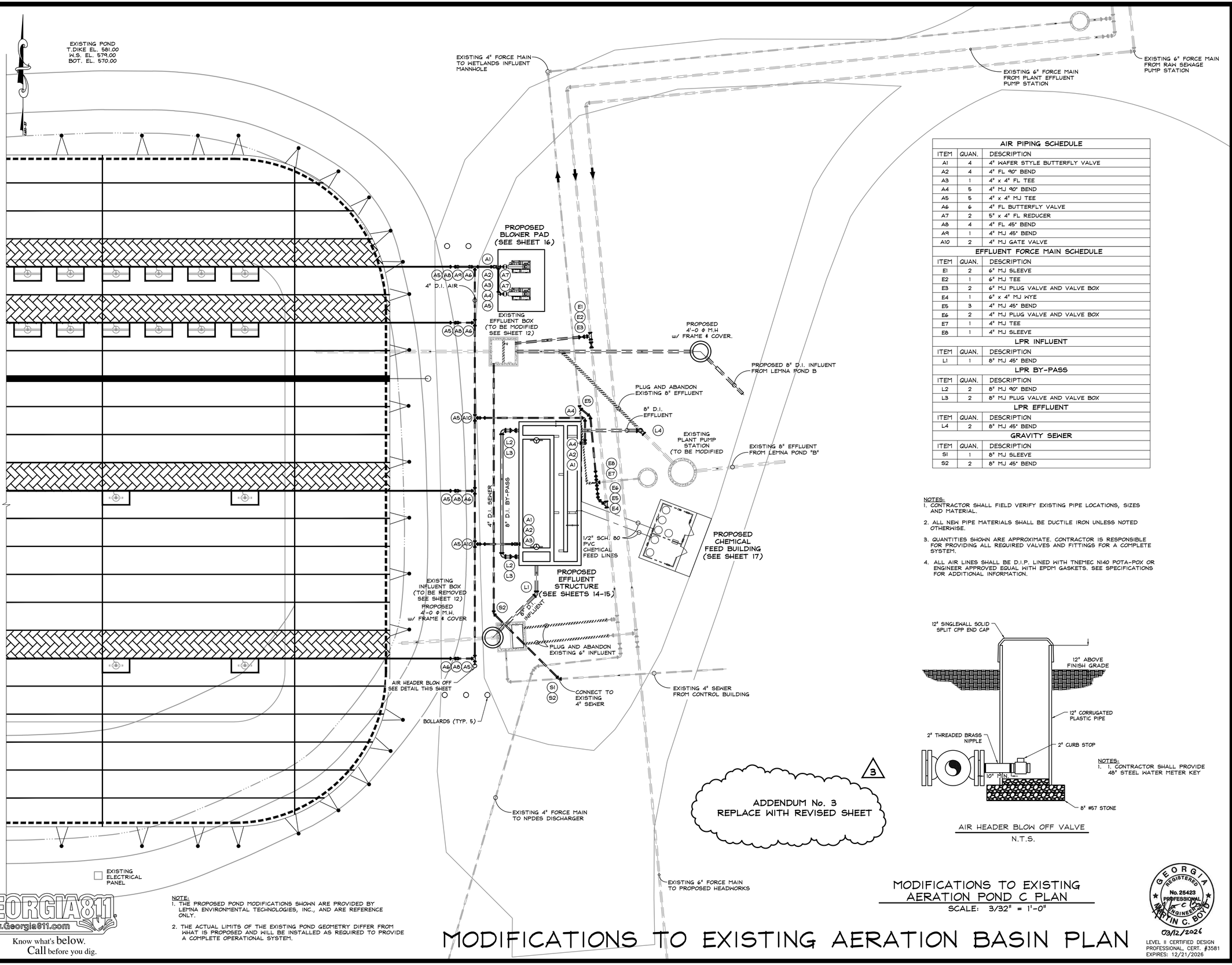


| AIR PIPING SCHEDULE | | |
|---|---|---|
| ITEM | QUAN. | DESCRIPTION |
| A1 | 4 | 4" WAFER STYLE BUTTERFLY VALVE |
| A2 | 4 | 4" FL 90° BEND |
| A3 | 1 | 4" x 4" FL TEE |
| A4 | 5 | 4" MJ 90° BEND |
| A5 | 5 | 4" x 4" MJ TEE |
| A6 | 6 | 4" FL BUTTERFLY VALVE |
| A7 | 2 | 5" x 4" FL REDUCER |
| A8 | 4 | 4" FL 45° BEND |
| A9 | 1 | 4" MJ 45° BEND |
| A10 | 2 | 4" MJ GATE VALVE |
| **EFFLUENT FORCE MAIN SCHEDULE** | | |
| ITEM | QUAN. | DESCRIPTION |
| E1 | 2 | 6" MJ SLEEVE |
| E2 | 1 | 6" MJ TEE |
| E3 | 2 | 6" MJ PLUG VALVE AND VALVE BOX |
| E4 | 1 | 6" x 4" MJ WYE |
| E5 | 3 | 4" MJ 45° BEND |
| E6 | 2 | 4" MJ PLUG VALVE AND VALVE BOX |
| E7 | 1 | 4" MJ TEE |
| E8 | 1 | 4" MJ SLEEVE |
| **LPR INFLUENT** | | |
| ITEM | QUAN. | DESCRIPTION |
| L1 | 1 | 8" MJ 45° BEND |
| **LPR BY-PASS** | | |
| ITEM | QUAN. | DESCRIPTION |
| L2 | 2 | 8" MJ 90° BEND |
| L3 | 2 | 8" MJ PLUG VALVE AND VALVE BOX |
| **LPR EFFLUENT** | | |
| ITEM | QUAN. | DESCRIPTION |
| L4 | 2 | 8" MJ 45° BEND |
| **GRAVITY SEWER** | | |
| ITEM | QUAN. | DESCRIPTION |
| S1 | 1 | 8" MJ SLEEVE |
| S2 | 2 | 8" MJ 45° BEND |

NOTES:
1. CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE LOCATIONS, SIZES AND MATERIAL.
2. ALL NEW PIPE MATERIALS SHALL BE DUCTILE IRON UNLESS NOTED OTHERWISE.
3. QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL REQUIRED VALVES AND FITTINGS FOR A COMPLETE SYSTEM.
4. ALL AIR LINES SHALL BE D.I.P. LINED WITH TNEMEC N140 POTA-POX OR ENGINEER APPROVED EQUAL WITH EPDM GASKETS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.




NOTES:
1. 1. CONTRACTOR SHALL PROVIDE 48" STEEL WATER METER KEY

AIR HEADER BLOW OFF VALVE
N.T.S.

3
ADDENDUM No. 3
REPLACE WITH REVISED SHEET

NOTE:
1. THE PROPOSED POND MODIFICATIONS SHOWN ARE PROVIDED BY LEMNA ENVIRONMENTAL TECHNOLOGIES, INC., AND ARE REFERENCE ONLY.
2. THE ACTUAL LIMITS OF THE EXISTING POND GEOMETRY DIFFER FROM WHAT IS PROPOSED AND WILL BE INSTALLED AS REQUIRED TO PROVIDE A COMPLETE OPERATIONAL SYSTEM.

MODIFICATIONS TO EXISTING
AERATION POND C PLAN
SCALE: 3/32" = 1'-0"

# MODIFICATIONS TO EXISTING AERATION BASIN PLAN

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| RELEASES | |
|---|---|
| 03/16/26 | RELEASE FOR BID |
| 03/30/26 | ADDENDUM #1 |
| 04/20/26 | ADDENDUM #2 |
| 04/24/26 | ADDENDUM #3 |

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| DSGN: MB | DRWN: JB |
| SCALE: AS SHOWN | |
| PROJ. NO.: T7040.003 | |
| DATE: 03/16/26 | SHEET NO.: 13 |

GEORGIA REGISTERED No. 25423 PROFESSIONAL ENGINEER MARTIN C. BOYD
03/12/2026
LEVEL II CERTIFIED DESIGN PROFESSIONAL, CERT. #3581
EXPIRES: 12/21/2026

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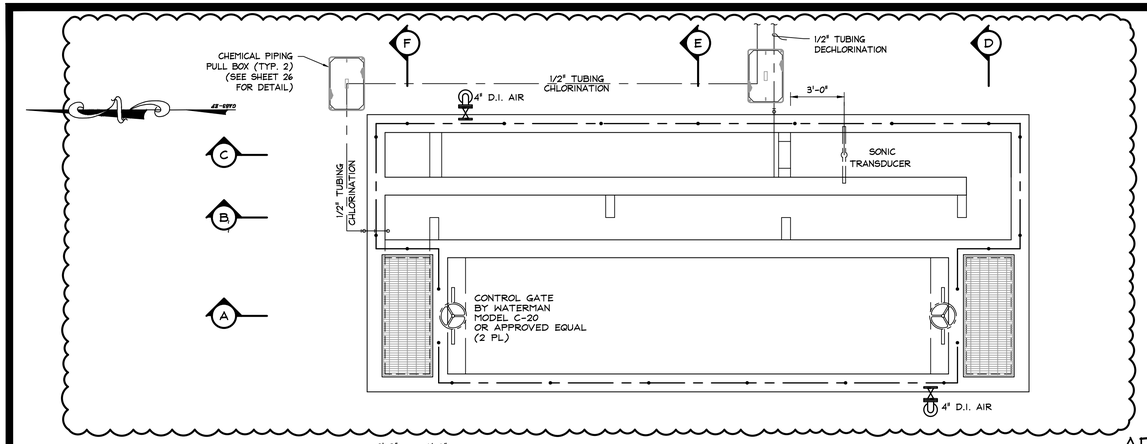
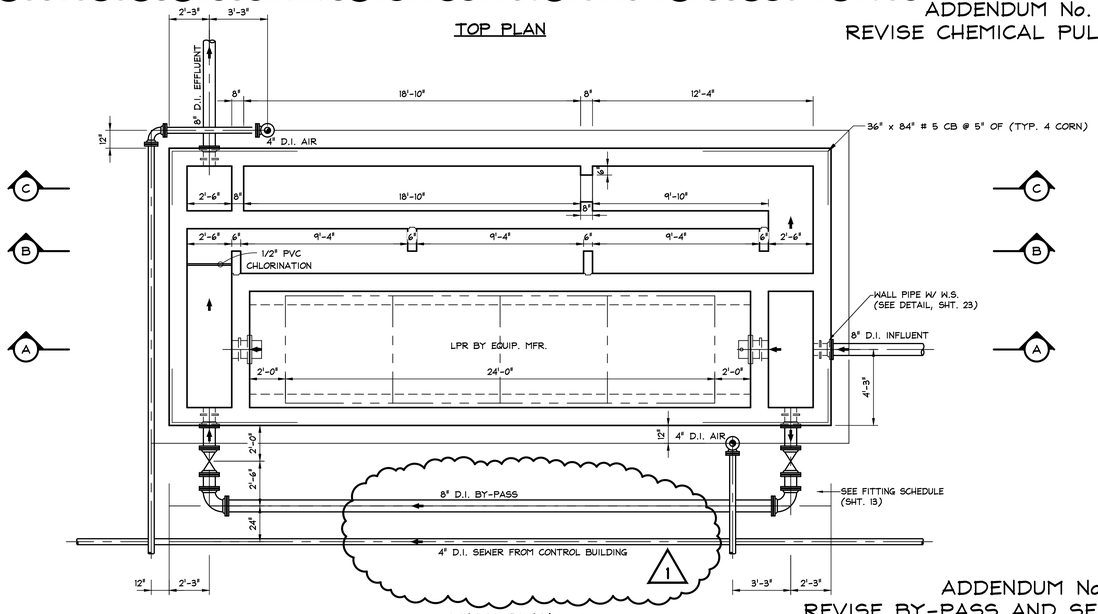


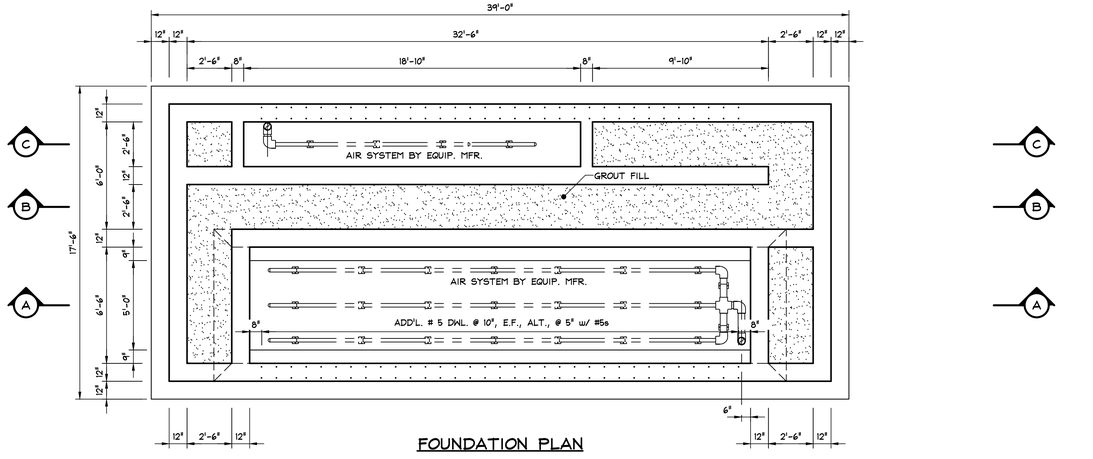

TOP PLAN

ADDENDUM No. 3
REVISE CHEMICAL PULL BOXES

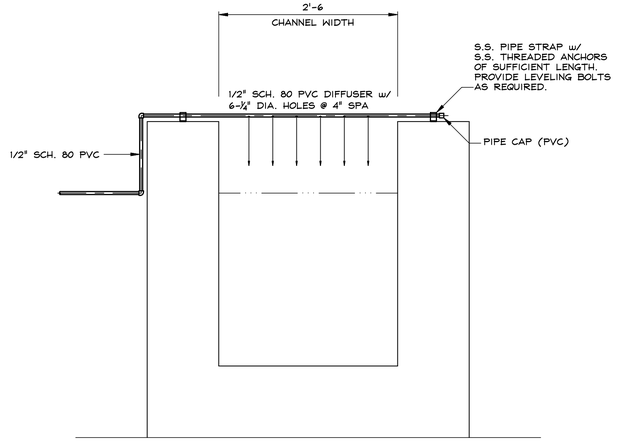



WALL PLAN

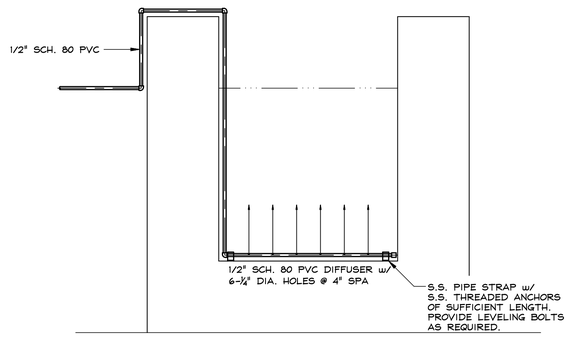
ADDENDUM No. 1
REVISE BY-PASS AND SEWER LOCATION




FOUNDATION PLAN




DECHLORINATION




CHLORINATION

TYPICAL DIFFUSER DETAILS
N.T.S.

EFFLUENT STRUCTURE
PLANS & SECTIONS
SCALE: 1/4" = 1'-0"

F E D

# PROPOSED AERATION EFFLUENT STRUCTURE PLAN & SECTION

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| RELEASES | |
|---|---|
| 03/16/26 | RELEASE FOR BID |
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GEORGIA REGISTERED No. 25423 PROFESSIONAL ENGINEER MARTIN C. BOYD
03/12/2026
LEVEL II CERTIFIED DESIGN PROFESSIONAL, CERT. #3581
EXPIRES: 12/21/2026

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| SCALE: AS SHOWN | |
| PROJ. NO.: T7040.003 | |
| DATE: 03/16/26 | SHEET NO.: 14 |

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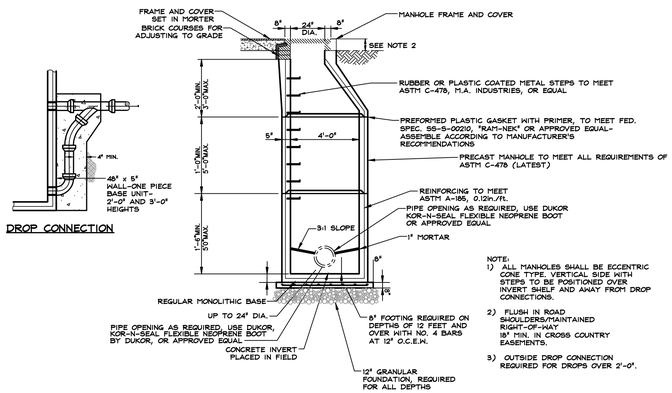
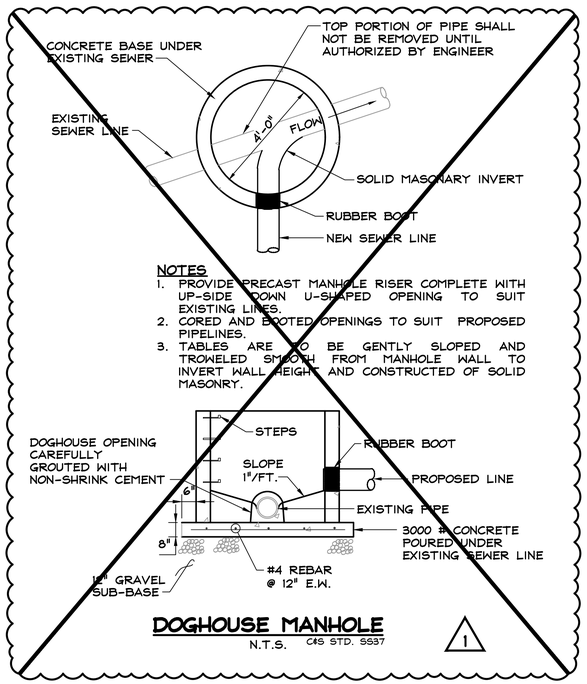



## PRECAST MANHOLE DETAIL W/ DROP

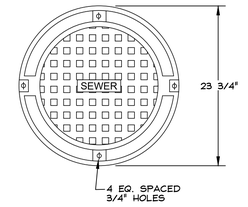
N.T.S.




## DOGHOUSE MANHOLE

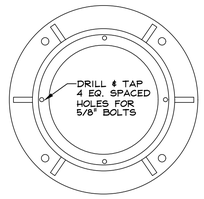
N.T.S. C4S STD. SS37

1



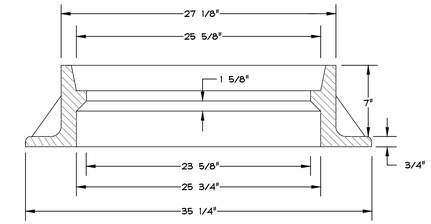

## COVER FACE

N.T.S.




## FRAME PLAN

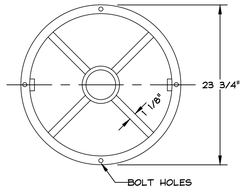
N.T.S.




NOTE: PICKHOLES SHALL BE NON-PENETRATING AND WATER TIGHT. CORRUGATION AND TWO PICKHOLES IN COVER, NO PERFORATION. SEATING SURFACE OF FRAMES AND COVERS TO BE MACHINED TO FIT.
FRAME AND COVER SHALL WEIGH 280 POUNDS MINIMUM.

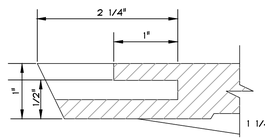
## FRAME SECTION

N.T.S.




## COVER BACK

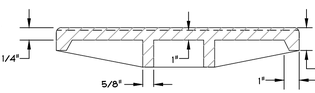
N.T.S.




NOTE: PICKHOLE SHALL BE MIN. 1 1/4" WIDE, TWO PER COVER

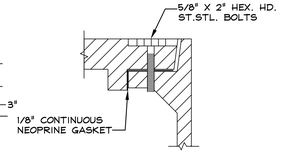
## PICKHOLE DETAIL

N.T.S.



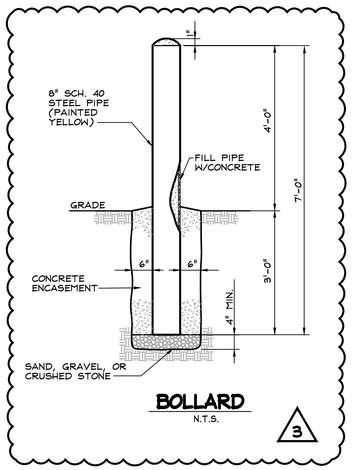

## COVER SECTION

N.T.S.




## WATERTIGHT DETAIL

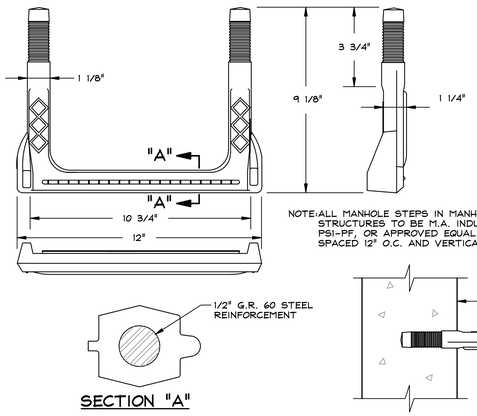
N.T.S.




## BOLLARD

N.T.S.

3




NOTE: ALL MANHOLE STEPS IN MANHOLE OR OTHER STRUCTURES TO BE M.A. INDUSTRIES, MODEL PSI-PF, OR APPROVED EQUAL. STEPS TO BE SPACED 12" O.C. AND VERTICALLY ALIGNED.

SECTION "A"

## PVC MANHOLE STEPS DETAIL

N.T.S.

| RELEASES | |
|---|---|
| 03/16/26 | RELEASE FOR BID |
| 03/30/26 | ADDENDUM #1 |
| 04/24/26 | ADDENDUM #3 |

# WWTP IMPROVEMENTS
FOR THE
# TOWN OF TIGNALL
WILKES COUNTY, GEORGIA

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Carter & Sloope
CONSULTING ENGINEERS
1031 STONEBRIDGE PARKWAY. WATKINSVILLE, GA 30677 . 706.769.4119 TEL
GA COA LICENSE# PEF001004 EXPIRES 6/30/2026

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GEORGIA REGISTERED No. 25423 PROFESSIONAL ENGINEER MARTIN C. BOYD
03/12/2026
LEVEL II CERTIFIED DESIGN PROFESSIONAL, CERT. #3581
EXPIRES: 12/21/2026

THIS LINE IS ONE INCH LONG WHEN DRAWING IS PLOTTED FULL SCALE

| | |
|---|---|
| DSGN: MB | DRWN: JB |
| SCALE: AS SHOWN | |
| PROJ. NO.: T7040.003 | |
| DATE: 03/16/26 | SHEET NO.: 24 |

# SITE DETAILS

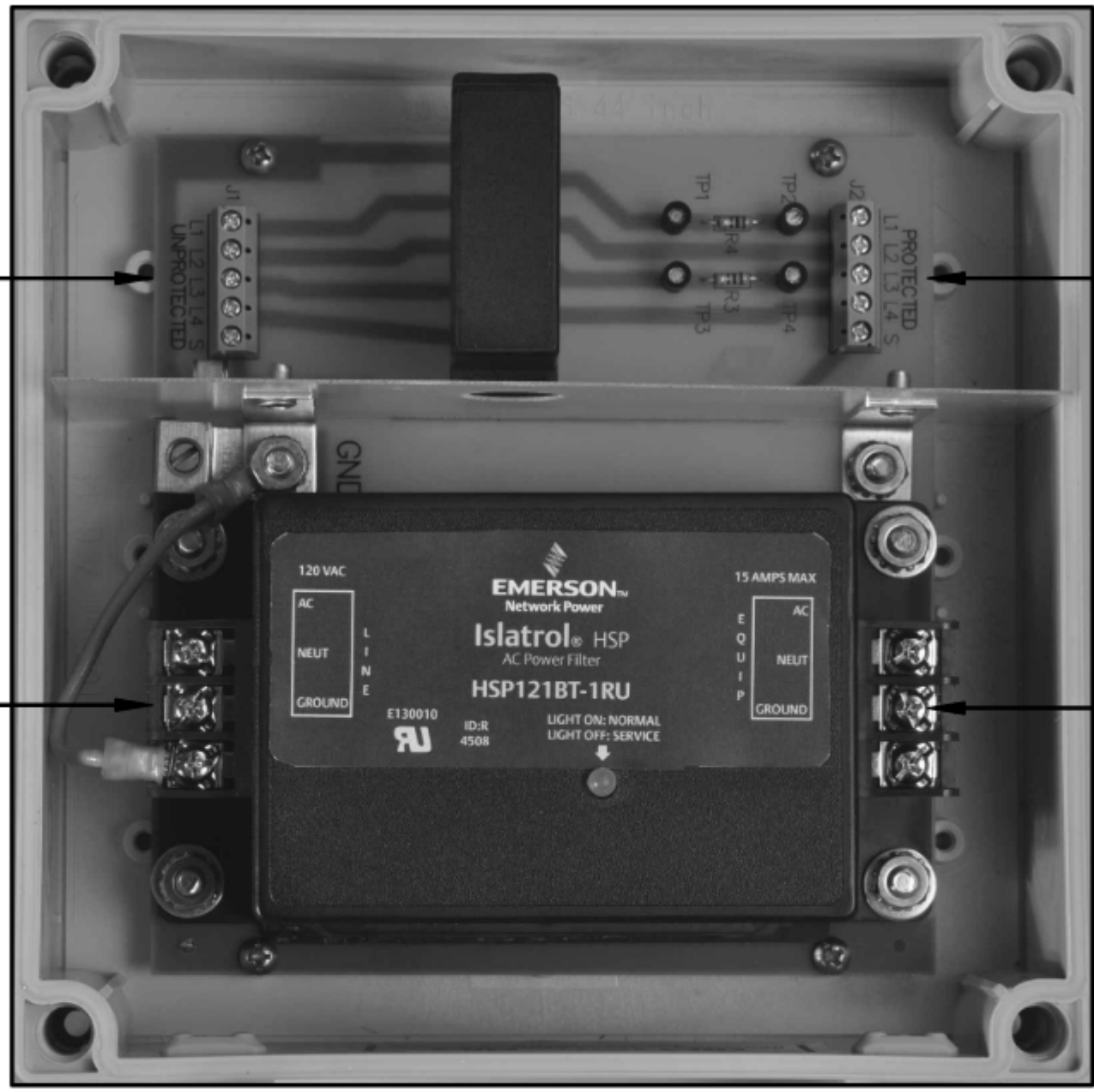
D:\AUTODESK\DC\ACCDOCS\CARTERSLOOPE\T7040.003 WWTP IMPROVEMENTS\PROJECT FILES\CADD\WORKING (DRAWINGS)\DETAILS

UNPROTECTED FIELD SIDE 4/20mA SIGNAL

PROTECTED EQUIPMENT SIDE 4/20mA SIGNAL

UNPROTECTED FIELD SIDE 120VAC POWER

PROTECTED EQUIPMENT SIDE 120VAC POWER




NOTES:

1) SURGE SUPPRESSOR EMERSON EDCO SLAC SERIES AC POWER/SIGNAL SURGE PROTECTOR MODEL NUMBER SLAC-22036 OR EQUAL. SUPPRESSOR SHALL BE PROVIDE IN A NEMA 4X STAINLESS STEEL ENCLOSURE.
2) PROVIDE SURGE SUPPRESSOR FOR ALL 4/20mA FIELD INSTRUMENTS; FLOW, LEVEL, DO/ORP TRANSMITTERS ETC.
3) CONNECT GROUND TERMINAL TO LOCAL GROUND USING #12 AWG WIRE MINIMUM.
4) KEEP 120 VAC POWER FEED SEPARATE FROM LOW VOLTAGE 4/20mA FEED.