

**CONTRACT FOR PUBLIC WORKS CONSTRUCTION
DIGESTER 5 SEAL REPLACEMENT
PROJECT # 11178.C**

THIS CONTRACT FOR PUBLIC WORKS CONSTRUCTION is made this 22nd Day of January, 2026, and entered into by and between the City of Meridian, a municipal corporation organized under the laws of the State of Idaho, hereinafter referred to as "City", 33 East Broadway Avenue, Meridian, Idaho 83642, JCN Constructors, Inc., hereinafter referred to as "Contractor", whose business address is 5120 W. Larry Lane, Meridian, ID 83646, and whose Public Works Contractor License # is PWC-C-079816.

INTRODUCTION

WHEREAS, the City has a need for services involving Wastewater Digester 5 Seal Replacement construction; and

WHEREAS, the Contractor is specially trained, experienced and competent to perform and has agreed to provide such services;

NOW, THEREFORE, in consideration of the mutual promises, covenants, terms and conditions hereinafter contained, the parties agree as follows:

TERMS AND CONDITIONS

1. Scope of Work:

1.1 Contractor shall perform and furnish to the City upon execution of this Contract and receipt of the City's written notice to proceed, all services and work, and comply in all respects, as specified in the document titled "Scope of Work" a copy of which is attached hereto as Exhibit "A" and incorporated herein by this reference, together with any amendments that may be agreed to in writing by the parties.

1.2 All documents, drawings and written work product prepared or produced by the Contractor under this Agreement, including without limitation electronic data files, are the property of the Contractor; provided, however, the City shall have the right to reproduce, publish and use all such work, or any part thereof, in any manner and for any purposes whatsoever and to authorize others to do so. If any such work is copyrightable, the Contractor may copyright the same, except that, as to any work which is copyrighted by the Contractor, the City reserves a royalty-free, non-exclusive, and irrevocable license to reproduce, publish and use such work, or any part thereof, and to authorize others to do so.

1.3 The Contractor shall provide services and work under this Agreement consistent with the requirements and standards established by applicable federal, state and City laws, ordinances, regulations and resolutions. The Contractor

represents and warrants that it will perform its work in accordance with generally accepted industry standards and practices for the profession or professions that are used in performance of this Agreement and that are in effect at the time of performance of this Agreement. Except for that representation and any representations made or contained in any proposal submitted by the Contractor and any reports or opinions prepared or issued as part of the work performed by the Contractor under this Agreement, Contractor makes no other warranties, either express or implied, as part of this Agreement.

1.4 Services and work provided by the Contractor at the City's request under this Agreement will be performed in a timely manner in accordance with a Schedule of Work, which the parties hereto shall agree to. The Schedule of Work may be revised from time to time upon mutual written consent of the parties.

2. Consideration

2.1 The Contractor shall be compensated on a Not-To-Exceed basis as provided in Exhibit B "Payment Schedule" attached hereto and by reference made a part hereof for the Not-To-Exceed amount of **\$322,300**.

2.2 The Contractor shall provide the City with a monthly statement and supporting invoices, as the work warrants, of fees earned and costs incurred for services provided during the billing period, which the City will pay within 30 days of receipt of a correct invoice and approval by the City. The City will not withhold any Federal or State income taxes or Social Security Tax from any payment made by City to Contractor under the terms and conditions of this Agreement. Payment of all taxes and other assessments on such sums is the sole responsibility of Contractor.

2.3 Except as expressly provided in this Agreement, Contractor shall not be entitled to receive from the City any additional consideration, compensation, salary, wages, or other type of remuneration for services rendered under this Agreement including, but not limited to, meals, lodging, transportation, drawings, renderings or mockups or material escalations. Specifically, Contractor shall not be entitled by virtue of this Agreement to consideration in the form of overtime, health insurance benefits, retirement benefits, paid holidays or other paid leaves of absence of any type or kind whatsoever.

3. Term:

3.1 This agreement shall become effective upon execution by both parties, and shall expire upon (a) completion of the agreed upon work, (b) or unless sooner terminated as provided in Sections 3.2, 3.3, and Section 4 below or unless some other method or time of termination is listed in Exhibits A or B.

3.2 Should Contractor default in the performance of this Agreement or materially breach any of its provisions, City, at City's option, may terminate this Agreement by giving written notification to Contractor.

3.3 Should City fail to timely remit payment to Contractor as provided in Section 28, Contractor, at the Contractor's option, may terminate this Agreement if the failure is not remedied by the City within thirty (30) days from the date payment is due.

4. Liquidated Damages:

Substantial Completion shall be accomplished within 120 (One Hundred Twenty) calendar days from Notice to Proceed. This project shall be considered Substantially Complete when the Owner has full and unrestricted use and benefit of the facilities, both from an operational and safety standpoint, and only minor incidental work, corrections or repairs remain for the physical completion of the total contract. Contractor shall be liable to the City for any delay beyond this time period in the amount of \$500 (Five Hundred Dollars) per calendar day. Such payment shall be construed to be liquidated damages by the Contractor in lieu of any claim or damage because of such delay and not be construed as a penalty.

Upon receipt of a Notice to Proceed, the Contractor shall have 150 (One Hundred Fifty) calendar days to complete the work as described herein. Contractor shall be liable to the City for any delay beyond this time period in the amount of \$500 (Five Hundred Dollars) per calendar day. Such payment shall be construed to be liquidated damages by the Contractor in lieu of any claim or damage because of such delay and not be construed as a penalty. See Milestones listed in the Payment Schedule for Substantial Completion.

5. Termination:

5.1 If, through any cause, Contractor, its officers, employees, or agents fail to fulfill in a timely and proper manner its obligations under this Agreement, violates any of the covenants, agreements, or stipulations of this Agreement, falsifies any record or document required to be prepared under this agreement, engages in fraud, dishonesty, or any other act of misconduct in the performance of this contract, or if City determines that termination of this Agreement is in the best interest of City, the City shall thereupon have the right to terminate this Agreement by giving written notice to Contractor of such termination and specifying the effective date thereof at least fifteen (15) days before the effective date of such termination. Contractor may terminate this agreement at any time by giving at least sixty (60) days' notice to City.

In the event of any termination of this Agreement, all finished or unfinished documents, data, and reports prepared by Contractor under this Agreement shall, at the option of the City, become its property, and Contractor shall be entitled to receive just and equitable compensation for any work satisfactorily complete hereunder.

5.2 Notwithstanding the above, Contractor shall not be relieved of liability to the City for damages sustained by the City by virtue of any breach of this Agreement

by Contractor, and the City may withhold any payments to Contractor for the purposes of set-off until such time as the exact amount of damages due the City from Contractor is determined. This provision shall survive the termination of this agreement and shall not relieve Contractor of liability to the City for damages.

6. Independent Contractor:

6.1 In all matters pertaining to this agreement, Contractor shall be acting as an independent Contractor, and neither Contractor nor any officer, employee or agent of Contractor will be deemed an employee of City. Except as expressly provided in Exhibit A, Contractor has no authority or responsibility to exercise any rights or power vested in the City and therefore has no authority to bind or incur any obligation on behalf of the City. The selection and designation of the personnel of the City in the performance of this agreement shall be made by the City.

6.1 Contractor, its agents, officers, and employees are and at all times during the term of this Agreement shall represent and conduct themselves as independent Contractors and not as employees of the City.

6.2 Contractor shall determine the method, details and means of performing the work and services to be provided by Contractor under this Agreement. Contractor shall be responsible to City only for the requirements and results specified in this Agreement and, except as expressly provided in this Agreement, shall not be subjected to City's control with respect to the physical action or activities of Contractor in fulfillment of this Agreement. If in the performance of this Agreement any third persons are employed by Contractor, such persons shall be entirely and exclusively under the direction and supervision and control of the Contractor.

7. Sub-Contractors:

Contractor shall require that all of its sub-Contractors be licensed per State of Idaho Statute # 54-1901 & 54-1902.

8. Removal of Unsatisfactory Employees:

The Contractor shall only furnish employees who are competent and skilled for work under this contract. If, in the opinion of the City, an employee of the Contractor is incompetent or disorderly, refuses to perform in accordance with the terms and conditions of the contract, threatens or uses abusive language while on City property, or is otherwise unsatisfactory, that employee shall be removed from all work under this contract.

9. Indemnification and Insurance:

9.1 Contractor shall indemnify and save and hold harmless City and its selected officials, officers, employees, agents, and volunteers from and for any and all losses, claims, actions, judgments for damages, or injury to persons or property and losses and expenses and other costs including litigation costs and attorney's fees, arising

out of, resulting from, or in connection with the performance of this Agreement by the Contractor, its servants, agents, officers, employees, guests, and business invitees, and not caused by or arising out of the tortious conduct of City or its employees. Contractor shall maintain, and specifically agrees that it will maintain, throughout the term of this Agreement, liability insurance, in which the City shall be named an additional insured in the minimum amounts as follow: General Liability One Million Dollars (\$1,000,000) per incident or occurrence, Automobile Liability Insurance One Million Dollars (\$1,000,000) per incident or occurrence and Workers' Compensation Insurance, in the statutory limits as required by law. The limits of insurance shall not be deemed a limitation of the covenants to indemnify and save and hold harmless City; and if City becomes liable for an amount in excess of the insurance limits, herein provided, Contractor covenants and agrees to indemnify and save and hold harmless City from and for all such losses, claims, actions, or judgments for damages or injury to persons or property and other costs, including litigation costs and attorneys' fees, arising out of, resulting from, or in connection with the performance of this Agreement by the Contractor or Contractor's officers, employs, agents, representatives or subContractors and resulting in or attributable to personal injury, death, or damage or destruction to tangible or intangible property, including use of. Contractor shall provide City with a Certificate of Insurance, or other proof of insurance evidencing Contractor's compliance with the requirements of this paragraph and file such proof of insurance with the City at least ten (10) days prior to the date Contractor begins performance of its obligations under this Agreement. In the event the insurance minimums are changed, Contractor shall immediately submit proof of compliance with the changed limits. Evidence of all insurance shall be submitted to the City Purchasing Agent with a copy to Meridian City Accounting, 33 East Broadway Avenue, Meridian, Idaho 83642.

9.2 Insurance is to be placed with an Idaho admitted insurer with a Best's rating of no less than A-.

9.3 Any deductibles, self-insured retention, or named insureds must be declared in writing and approved by the City. At the option of the City, either: the insurer shall reduce or eliminate such deductibles, self-insured retentions or named insureds; or the Contractor shall provide a bond, cash or letter of credit guaranteeing payment of losses and related investigations, claim administration and defense expenses.

9.4 To the extent of the indemnity in this contract, Contractor's Insurance coverage shall be primary insurance regarding the City's elected officers, officials, employees and volunteers. Any insurance or self-insurance maintained by the City or the City's elected officers, officials, employees and volunteers shall be excess of the Contractor's insurance and shall not contribute with Contractor's insurance except as to the extent of City's negligence.

9.5 The Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

9.6 All insurance coverages for subContractors shall be subject to all of the insurance and indemnity requirements stated herein.

9.7 The limits of insurance described herein shall not limit the liability of the Contractor and Contractor's agents, representatives, employees or subContractors.

10. Time is of the Essence:

The parties hereto acknowledge and agree that time is strictly of the essence with respect to each and every term, condition and provision hereof, and that the failure to timely perform any of the obligations hereunder shall constitute a breach of, and a default under, this Agreement by the party so failing to perform.

11. Bonds:

Payment and Performance Bonds are required on all Public Works Improvement Projects per the ISPWC and the City of Meridian Supplemental Specifications & Drawings to the ISPWC, which by this reference are made a part hereof. Contractor is required to furnish faithful performance and payment bonds in the amount of 100% of the contract price issued by surety licensed to do business in the State of Idaho with a Best's rating of no less than A-. In the event that the contract is subsequently terminated for failure to perform, the Contractor and/or surety will be liable and assessed for any and all costs for the re-procurement of the contract services.

12. Warranty:

All construction and equipment provided under this agreement shall be warranted for 2 years from the date of the City of Meridian acceptance per the ISPWC and the Meridian Supplemental Specifications & Drawings to the ISPWC and any modifications, which by this reference are made a part hereof.

All items found to be defective during a warranty inspection and subsequently corrected will require an additional two (2) year warranty from the date of City's acceptance of the corrected work.

13. Changes:

The City may, from time to time, request changes in the Scope of Work to be performed hereunder. Such changes, including any increase or decrease in the amount of Contractor's compensation, which are mutually agreed upon by and between the City and Contractor, shall be incorporated in written amendments which shall be executed with the same formalities as this Agreement.

14. Taxes:

The City of Meridian is exempt from Federal and State taxes and will execute the required exemption certificates for items purchased and used by the City. Items

purchased by the City and used by a Contractor are subject to Use Tax. All other taxes are the responsibility of the Contractor and are to be included in the Contractor's Bid pricing.

15. Meridian Stormwater Specifications:

All construction projects require either a Storm Water Pollution Prevention Plan (SWPPP) or an erosion sediment control plan (ESCP) as specified in the City of Meridian Construction Stormwater Management Program (CSWMP) manual. The CSWMP manual containing the procedures and guidelines can be found at this address: <http://www.meridianCity.org/environmental.aspx?id=13618>.

Contractor shall retain all stormwater and erosion control documentation generated on site during construction including the SWPPP manual, field inspections and amendments. Prior to final acceptance of the job by the City the Contractor shall return the field SWPPP manual and field inspection documents to the City for review. A completed Contractor Request to File Project N.O.T. with the EPA form

shall be provided to the City with the documents. These documents shall be retained, reviewed and approved by the City prior to final acceptance of the project.

16. ACHD:

Contractor shall be responsible for coordinating with the City to obtain appropriate ACHD permit(s) and will reimburse the City for fees, fines, or penalties City incurs due to Contractor's violation of any ACHD policy. City shall certify to ACHD that Contractor is authorized to obtain a Temporary Highway and Right-of-Way Use Permit from ACHD on City's behalf. The parties acknowledge and agree that the scope of the agency granted by such certification is limited to, and conterminous with, the term and scope of this Agreement.

17. Reports and Information:

17.1 At such times and in such forms as the City may require, there shall be furnished to the City such statements, records, reports, data and information as the City may request pertaining to matters covered by this Agreement.

17.2 Contractor shall maintain all writings, documents and records prepared or compiled in connection with the performance of this Agreement for a minimum of four (4) years from the termination or completion of this Agreement. This includes any handwriting, typewriting, printing, photo static, photographic and every other means of recording upon any tangible thing, any form of communication or representation including letters, words, pictures, sounds or symbols or any combination thereof.

18. Audits and Inspections:

At any time during normal business hours and as often as the City may deem

necessary, there shall be made available to the City for examination all of Contractor's records with respect to all matters covered by this Agreement. Contractor shall permit the City to audit, examine, and make excerpts or transcripts from such records, and to make audits of all contracts, invoices, materials, payrolls, records of personnel, conditions of employment and other data relating to all matters covered by this Agreement.

19. Publication, Reproduction and Use of Material:

No material produced in whole or in part under this Agreement shall be subject to copyright in the United States or in any other country. The City shall have unrestricted authority to publish, disclose and otherwise use, in whole or in part, any reports, data or other materials prepared under this Agreement.

20. Equal Employment Opportunity:

In performing the work herein, Contractor agrees to comply with the provisions of Title VI and VII of the Civil Rights Act, Revenue Sharing Act Title 31, U.S. Code Section 2176. Specifically, the Contractor agrees not to discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, age, political affiliation, marital status, or handicap. Contractor will take affirmative action during employment or training to ensure that employees are treated without regard to race, color, religion, sex, national origin, age, political affiliation, marital status, or handicap. In performing the Work required herein, CONTRACTOR shall not unlawfully discriminate in violation of any federal, state or local law, rule or regulation against any person on the basis of race, color, religion, sex, national origin or ancestry, age or disability.

21. Employment of Bona Fide Idaho Residents:

Contractor must comply with Idaho State Statute 44-1002 which states that the Contractor employ ninety-five percent (95%) bona fide Idaho residents as employees on any job under any such contract except where under such contracts fifty (50) or less persons are employed, the Contractor may employ ten percent (10%) nonresidents, provided, however, in all cases employers must give preference to the employment of bona fide residents in the performance of said work.

22. Advice of Attorney:

Each party warrants and represents that in executing this Agreement. It has received independent legal advice from its attorney's or the opportunity to seek such advice.

23. Attorney Fees:

Should any litigation be commenced between the parties hereto concerning this Agreement, the prevailing party shall be entitled, in addition to any other relief as

may be granted, to court costs and reasonable attorneys' fees as determined by a Court of competent jurisdiction. This provision shall be deemed to be a separate contract between the parties and shall survive any default, termination or forfeiture of this Agreement.

24. Construction and Severability:

If any part of this Agreement is held to be invalid or unenforceable, such holding will not affect the validity or enforceability of any other part of this Agreement so long as the remainder of the Agreement is reasonably capable of completion.

25. Waiver of Default:

Waiver of default by either party to this Agreement shall not be deemed to be waiver of any subsequent default. Waiver or breach of any provision of this Agreement shall not be deemed to be a waiver of any other or subsequent breach, and shall not be construed to be a modification of the terms of this Agreement unless this Agreement is modified as provided above.

26. Entire Agreement:

This Agreement contains the entire agreement of the parties and supersedes any and all other agreements or understandings, oral or written, whether previous to the execution hereof or contemporaneous herewith.

27. Assignment:

It is expressly agreed and understood by the parties hereto, that Contractor shall not have the right to assign, transfer, hypothecate or sell any of its rights under this Agreement except upon the prior express written consent of City.

28. Payment Request:

Payment requests shall be submitted to City of Meridian through the City's project management software. The Project Manager will compare the invoice against the Payment Schedule in the Agreement for compliance. Upon approval that the work has been done and is in compliance with the Agreement, the Project Manager will approve the pay request for processing. City of Meridian payment terms are Net 30 from the date City receives a correct invoice. Final payment will not be released until the City has received a tax release from the Tax Commission. Retainage of five percent (5%) of the current contract value will be withheld from the final pay application(s) until final completion has been met and releases from both the Idaho Tax Commission and Surety have been received by the City.

29. Cleanup:

Contractor shall keep the worksite clean and free from debris. At completion of work and prior to requesting final inspection, the Contractor shall remove all traces

of waste materials and debris resulting from the work. Final payment will not be made if cleanup has not been performed.

30. Order of Precedence:

The order or precedence shall be the contract agreement, the Invitation for Bid document, then the winning bidders submitted bid document.

31. Compliance with Laws:

In performing the scope of work required hereunder, Contractor shall comply with applicable laws, ordinances, and codes of Federal, State, and local governments.

This Agreement shall be governed by and construed and enforced in accordance with the laws of the State of Idaho, and the ordinances of the City of Meridian.

Certifications.

Pursuant to Idaho Code §§ 67-2359 and 67-2346, Contractor hereby certifies:

- A. That Contractor is not currently owned or operated by the government of China and will not, for the duration of this Contract, be owned or operated by the government of China.
- B. That Contractor is not currently engaged in, and will not for the duration of the Contract engage in, a boycott of goods or services from Israel or territories under its control.
- C. Contractor certifies that: (i) as of the Effective Date, it is not engaged in a "Boycott," as defined in Idaho Code §67-2347A, of any individual or company because that individual or company engages in or supports (a) the exploration, production, utilization, transportation, sale, or manufacture of fossil fuel-based energy, timber, minerals, hydroelectric power, nuclear energy, or agriculture, or (b) the manufacture, distribution, sale, or use of any "Firearm," as defined in Idaho Code §18-3302(2)(d); and (ii) it will not engage in any such boycott during the Term.

32. Notices:

Any and all notices required to be given by either of the parties hereto, unless otherwise stated in this agreement, shall be in writing and be deemed communicated when mailed in the United States mail, certified, return receipt requested, addressed as follows:

CITY:

City of Meridian
Procurement Manager
33 E Broadway Ave.
Meridian, ID 83642
208-489-0417

CONTRACTOR:

JCN Constructors, Inc.
Attn: Matt Neukom
5120 W. Larry Lane
Meridian, ID 83646
Phone: 208-965-3244
Email: matt@jccboise.com
Public Works Contractor
License#: PWC-C-079816

Either party may change their address for the purpose of this paragraph by giving written notice of such change to the other in the manner herein provided.

33. Approval Required:

This Agreement shall not become effective or binding until approved by the City of Meridian.

CITY OF MERIDIAN:

BY: _____
KEITH WATTS, Procurement Manger

DATED: _____

Approved by Council Date: (if needed)

Project Manager:

Troy Thrall

JCN CONSTRUCTORS, INC.:

BY: Matt Neukom
MATT NEUKOM, President

DATED: January 28, 2026

EXHIBIT A

SCOPE OF WORK

REFER TO INVITATION TO BID (PW-2606-11178.C) ALL ADDENDUMS, ATTACHMENTS, AND EXHIBITS included in the Invitation to Bid Package # (PW-2606-11178.C), are by this reference made a part hereof.

SPECIFICATIONS / SCOPE OF WORK

All construction work shall be done in accordance with the current version of the Idaho Standards for Public Works Construction (ISPWC), the current version of the City of Meridian Supplemental Specifications to the ISPWC (and any Addendums).

See the following separate attached documents:

- 5 - Technical Specifications for Digester 5 Seal Replacement (6 Pgs.)
- 6 - Drawings~Plans for Digester 5 Seal Replacement (4 Pgs.)
- Digester 5 Drawings - G-1; 43-M-1; 43-M-2; 43-S-1; 43-S-2 (5 Pgs.)
- Digester 6 Drawings - 1; D-760-1031; D-760-3001; D-760-3002; D-760-3003 (5 Pgs.)

EXHIBIT B

MILESTONE / PAYMENT SCHEDULE

A. Total and complete compensation for this Contract shall not exceed \$322,300.

MILESTONE DATES/SCHEDULE					
Milestone 1		Substantial Completion		120 Days From Date of NTP	
Milestone 2		Final Completion		150 Days From Date of NTP	
PRICING SCHEDULE					
Contract includes furnishing all labor, materials, equipment and incidentals as required for the Digester 5 Seal Replacement Project per ITB BID# PW-2606-11178.C.					
NOT-TO-EXCEED AMOUNT.....\$322,300					
Contract is a not to exceed amount. Line item pricing below will be used for invoice verification and any additional increases or decreases in work requested by City. The City will pay the Contractor based on actual quantities of each item of work in accordance with the contract documents.					
CONTRACT PRICING SCHEDULE					
Item No.	Description	Quantity Required	Unit	Unit Price	Total Cost
1	Mobilization	1	LS	\$10,000	\$10,000
2	Digester Seal Demolition	1	LS	\$45,000	\$45,000
3	Digester Seal Replacement Construction	1	LS	\$259,000	\$259,000
4	New Drilled Bolt Holes	165	EA	\$20	\$3,300
5	Demobilization	1	LS	\$5,000	\$5,000

SECTION 46 73 11
FIXED DIGESTER COVER ANNULAR SEAL REPLACEMENT

PART 1 GENERAL

1.01 SUMMARY

- A. Scope
1. This Section specifies annular seal replacement for one existing fixed steel digester cover (Digester 5).
 2. The term 'annular space' refers to the space between the existing digester wall and digester cover skirt plate (also called 'side sheet').
 3. The term 'annular seal' refers to the collection of fill layers and seal products used to form a gas-tight and liquid-tight seal between the digester tank contents and the outside atmosphere.

1.02 REFERENCES

- A. This Section contains references to the following documents. They are a part of this Section as specified and modified. Where a referenced document contains references to other standards, those documents are included as references under this Section as if referenced directly. In the event of conflict between the requirements of this Section and those of the listed documents, the requirements of this Section shall prevail.
- B. Unless otherwise specified, references to documents shall mean the documents in effect at the time of Advertisement for Bids or Invitation to Bid (or on the effective date of the Agreement if there were no Bids). If referenced documents have been discontinued by the issuing organization, references to those documents shall mean the replacement documents issued or otherwise identified by that organization or, if there are no replacement documents, the last version of the document before it was discontinued. Where document dates are given in the following listing, references to those documents shall mean the specific document version associated with that date, regardless of whether the document has been superseded by a version with a later date, discontinued or replaced.

Reference	Title
ASTM A193/193	Alloy-steel and Stainless Steel Bolting

1.03 SUBMITTALS

- A. Action Submittals
1. Procedures: 2020 ISPWC DIVISION 100 – Article 7 Contractor's Responsibilities – Part 7.16 Submittals.
 2. A copy of this specification section, with addendum updates included, with each paragraph check-marked to indicate specification compliance or marked to indicate requested deviations from specification requirements.
 3. Check marks (✓) shall denote full compliance with a paragraph as a whole. If deviations from the specifications are indicated, and therefore requested by the Contractor, each deviation shall be underlined and denoted by a number in the margin to the right of the identified paragraph, referenced to a detailed written

explanation of the reasons for requesting the deviation. The remaining portions of the paragraph not underlined will signify compliance on the part of the Contractor with the specifications. Failure to include a copy of the marked-up specification sections, along with justification(s) for any requested deviations to the specification requirements, with the submittal shall be sufficient cause for rejection of the entire submittal with no further consideration.

4. Annular seal system details including technical data sheets for all seal components.
5. Manufacturer's product data, including installation instructions and required surface preparations for all components comprising the annular seal.
6. Anchor bolt product data indicating load capacity charts/calculations, temperature limitations, chemical resistance, and ICC Evaluation Service Reports for post-installed adhesive type anchors. Products shall be ICC approved for use in cracked concrete in high seismic areas (Seismic Design Category D, E, and F).

1.04 QUALITY ASSURANCE

A. Quality Control by the Contractor:

1. For the annular seal materials specified in 2.03.B, the Contractor shall furnish the services of the sealant and/or chemical grout manufacturer's technical representative who has been factory trained by the manufacturer. The sealant/grout manufacturer's technical representative shall perform training and quality control of the annular seal installation.

PART 2 PRODUCTS

2.01 PERFORMANCE/DESIGN CRITERIA

A. Service Conditions

1. Fluid Type
 - a. The contents in the digester will be a mixture of digested sludge fed with thickened primary and secondary solids and thickened scum. The mixture will contain organic and inorganic solids, grit, grease, scum and industrial solvents. The tank will be heated to operate as a completely mixed high-rate anaerobic mesophilic or thermophilic digester.
 - b. The sludge gas may be expected to contain significant quantities of fine particulate matter, moisture and greasy oils. Carbon dioxide concentrations are expected to range between 30 and 50 percent by weight with the remainder comprised primarily of methane. The sludge gas contains hydrogen sulfide, as well as small quantities of hydrogen and nitrogen.
2. Environmental conditions
 - a. Materials in the annular seal will be subjected to ambient temperatures expected to range from 10 degrees F to 120 degrees F, and relative humidity ranging between 5 and 100 percent. Some parts will be in contact with anaerobic sewage sludge and/or sewage sludge gas.
 - b. Normal operating temperatures inside the digesters will range between 100 degrees F and 104 degrees F.
 - c. The materials specified in this section will be suitable for installation and operation at an elevation of 2,550 feet above sea level.

B. Design Requirements

1. Digester Cover

- a. Digester 5 diameter: 70 ft.
- b. Existing digester cover manufacturer is Olympus Technologies, Inc. Manufacturer's Field Assembly Drawings for the existing digester covers are available upon request from the Owner.

2.02 MATERIALS

- A. Materials specified are considered the minimum acceptable for the purposes of durability, strength, and resistance to erosion and corrosion. The Contractor may propose alternative materials for the purpose of providing greater strength or to meet required stress limitations. However, alternative materials must provide at least the same qualities as those specified for the purpose.

Component	Material
Anchor bolts	ASTM A193, Type 316 stainless steel
Fasteners	Type 316 stainless steel
Annular seal	
Top fill layer	Two component polyurethane elastomeric sealant, Sikaflex 2C SL, or equal. 6-inch thick
Middle fill layer	Expanding polyurethane chemical grout Sikaflex HH, or equal
Bottom fill layer	Two-component polyurethane elastomeric sealant, Si-kaflex-2C SL, or equal
Bottom seal layer	Geomembrane, Seaman Corp XR-5, 8130, or equal. 2 layers
Rubber Gasket	Neoprene, 50 Duro
Seal clamp bar	Type 316 stainless steel

2.03 CONFIGURATION, COMPONENTS, FEATURES

A. Anchors and Fasteners

1. Anchor bolts

- a. Anchor bolts for the bottom-seal connection to the digester wall shall be 1/2" diameter, Type 316 Stainless Steel All-Thread Rod Material. Provide hole diameter in accordance with manufacturer's recommendation. Provide a minimum embedment of 6" in digester wall, based on Hilti HIT-RE 500v3. Anchor bolts shall be Hilti "HIT-RE 500v3", Simpson Strong-Tie "SET-XP", or approved equal. Submit ICC ES report for alternate products.
- b. Anchorages shall be grouted with cementitious non-shrink grout, and concrete embedment shall develop full strength of bolts. The Contractor shall furnish all anchor bolts, nuts, and washers required for the annular seal.

2. Fasteners

- a. Structural fasteners, including nuts and washers, in contact with digester sludge or digester gas shall be minimum of 1/2-inch diameter and made of Type 316 stainless steel. All other fasteners, nuts, and washers shall be Type 316 stainless steel. The Contractor shall furnish all fasteners required for the assembly of the seal.

B. Annular Seal

1. The gap between the digester wall and cover side sheet is approximately 2-inches. The annular seal that fills the gap between the digester wall and cover side sheet shall be composed of a bottom seal layer and three fill layers, as shown on the drawings.
 - a. Bottom Seal Layer: The bottom seal layer shall be the primary seal between the digester tank contents and the outside atmosphere. It shall comprise two layers of geomembrane attached to the cover side sheet and digester wall to create a gastight seal. Seam membranes per manufacturers recommendation for gas tightness. Stagger seams. The geomembrane shall be Seaman Corporation, XR-5, 8130, or equal, and have the following physical specifications:

Property	Requirement	ASTM Method
Basic fabric type	Polyester	D3776
Basic fabric weight (nominal)	6.5 oz/yd ²	D3776
Thickness	30.0 mil minimum	D751
Weight	30.0 +/- 2 oz/yd ²	D751
Tear strength, trapezoid tear	35/35 lbf minimum	D4533
Breaking yield strength, grab tensile	550/500 lbf minimum	D751
Dimensional stability, 212 degree F, 1-hour	1.5% maximum, each direction	D1204
Adhesion – heat sealed seam, dielectric weld	35 lbf/2 inches, minimum	D751
Dead load – seam shear strength	2 inch seam, 4 hours, 1 inch strip, 210 lbf at 70 deg F, 105 lbf at 160 deg F	D751
Bursting strength, ball tip	650 lbf min, 800 lbf typical	D751
Hydrostatic resistance, method A	800 psi minimum	D751
Adhesion - ply	15 lbf/in minimum or film tearing bond	D413
Bonded seam strength, as modified by NSF 54	550 lbf minimum	D751
Puncture resistance	250 lbf minimum	D4833
Coefficient of thermal expansion/contraction	8 x 10 ⁻⁶ in/in/deg F maximum	D696

- b. Bottom Fill Layer: Above the bottom seal layer geomembrane, a two-component polyurethane elastomeric self-leveling sealant shall be placed. The sealant shall be Sika Corporation, Sikaflex 2C SL, or equal, conforming to ASTM C-920, Type M, Grade P, Class 25, and have the following physical specifications:

Property	Requirement	ASTM Method
Tensile strength at break, minimum	175 psi	D412
Tensile elongation, minimum	650 %	D412
Modulus of elasticity, 100% elongation, minimum	100 psi	D412
Shore A hardness	40 +/- 5	D2240
Tear strength	100 lbs/in	D624
Adhesion in peel (concrete and steel), minimum	30 lbs, 0 % adhesion loss	C794
Service range	-40 °F to 170 °F	

- c. Middle Fill Layer: Above the bottom fill layer, a high-solids, hydrophobic, polyurethane, liquid chemical grout shall be placed. The chemical grout shall be Sika Corporation, SikaFix HH+, or equal and have the following physical specifications:

Property	Requirement	ASTM Method
Shear strength	11.7 psi	C273
Tensile strength	15.5 psi	D1623
Elongation	+25 %	D1623
Shrinkage	0 %	D2126
Water absorption	0.09 lbs/ft ²	D2842
Density, free rise (#10 cup)	1.64 lbs/ft ³	D1622
Density, molded overall	4.20 lbs/ft ³	D1622

- d. Top Fill Layer: Above the middle fill layer, a two-component polyurethane elastomeric self-leveling sealant shall be placed. The sealant shall be Sika Corporation, Sikaflex 2C SL, or equal, and meet the specifications of paragraph 2.03 B.1 b, Bottom Fill Layer.

PART 3 EXECUTION

3.01 INSTALLATION

A. Existing Annular Seal Removal

1. Digester 5 annular seal removal will occur when the tank is offline. The City will have the digester offline, emptied, and cleaned prior to the seal replacement project.
2. Annular seal removal is assumed to be performed without removing the existing digester cover.

B. New Annular Seal

1. Bottom Seal Layer: The geomembrane layers comprising the bottom seal layer shall be installed in accordance with sealant manufacturer's recommendations, to create a gastight seal between the side sheet and the digester wall.
 - a. It is expected that the walls of each digester and digester cover are round and plumb to within +/-2 inches. Prior to construction of the bottom seal layer, the Contractor shall measure the tank walls for roundness and plumbness. The seal shall be fabricated to match field conditions.
 - b. Water, dirt, and debris shall not be allowed to pond on top of the installed membrane prior to placement of the bottom fill layer.
 - c. Prior to commencing installation of seal layers, the sealant and grout manufacturer's technical representative shall provide a training school for the workers who will be using the sealant and grout for annular seal installation. The school shall be not less than 4 hours in length and shall cover all aspects of using the products, including surface preparation, mixing, application, void prevention/elimination, and clean up. The school shall include trial application of the sealant and grout materials within a test formwork replicating the annular space between the digester wall and cover. This training requirement, however, shall not be construed as relieving the Contractor of overall responsibility for this portion of the work.

- d. Fill Layers: The bottom fill layer shall be installed, and then testing of the annular seal shall be performed as specified herein. The middle and top seal layers shall not be installed until testing has been completed.
- e. Installation of all seal layers shall be performed by a firm certified by the sealant and grout manufacturers. The sealant and grout manufacturers' representatives shall be present during critical stages of the application and testing. The manufacturers' representatives shall ensure that all necessary measures are being taken to comply with the specifications and the manufacturers' recommendations.

3.02 TESTING

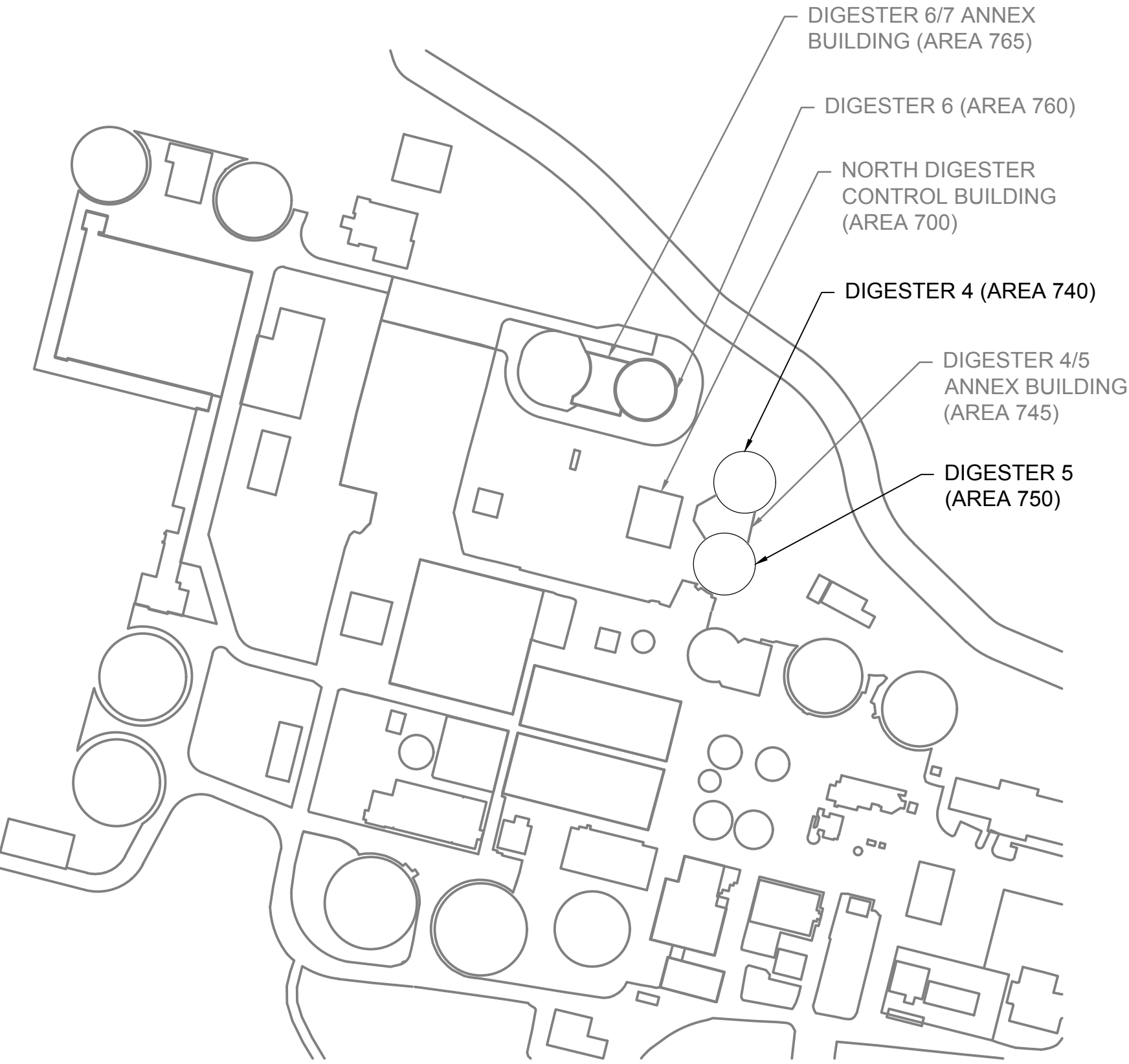
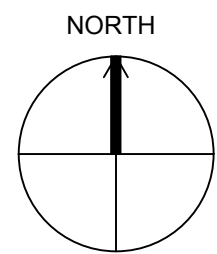
A. Annular Seal

1. The bottom seal and fill layer of the annular space shall be tested for leaks. This test shall be performed and passed prior to installing the middle and top fill layers within the annular space.
2. Fill annular space with water to a height of 18 inches above the seal layer for a minimum of 4 hours. Visually inspect the seal from the inside of the digester for leaks. Leaks are defined as moisture that can be smeared when touched.
3. Areas where leaks occur shall be repaired by installing more bottom fill layer material until the test is satisfactorily passed.

END OF SECTION



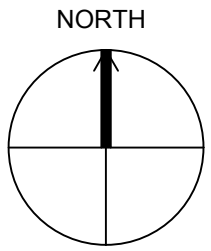
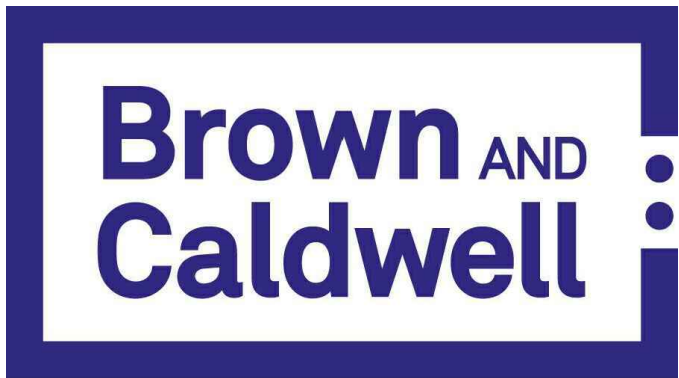
DRAWING INDEX	
DWG NO.	TITLE
GENERAL	
G-000-0000	COVER, LOCATION AND VICINITY MAPS, AND DRAWING LIST
C-100-1001	EXISTING CONDITIONS SITE PLAN
D-750-1001	DIGESTER 5 PLAN AND SECTION
D-750-3001	DETAILS



LOCATION MAP

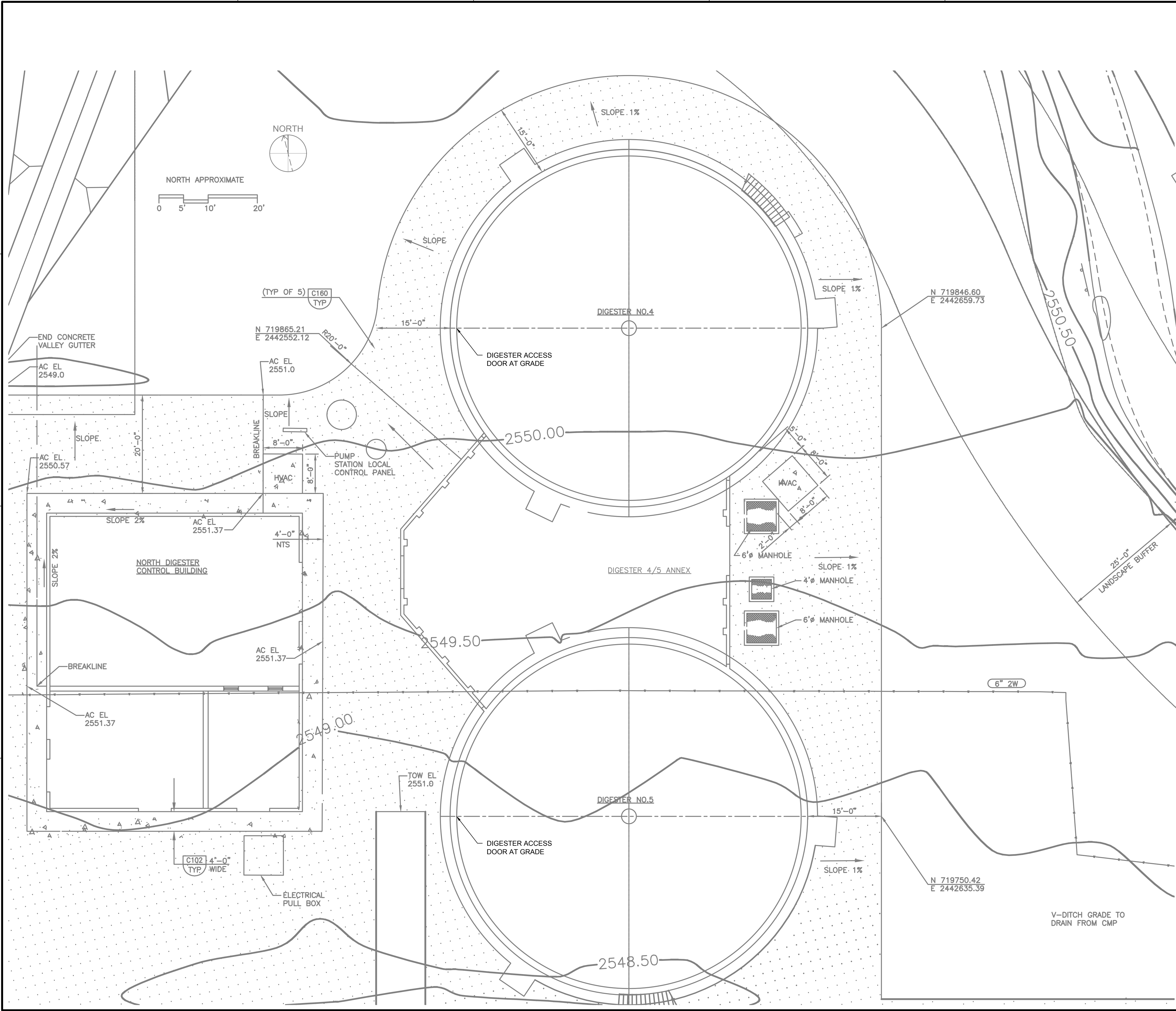
Wastewater Resource Recovery Facility Digester 5 Cover Seal Replacement

OCTOBER 2024



VICINITY MAP

Path: C:\BOPM\0334\684 FILENAME: C-100-1001.DWG PLOT DATE: 5/16/2024 8:34 AM CAD USER: A. LAMBERT
Cushing Terrell Logo.jpg
DC Engineering Logo.jpg



- GENERAL NOTES:**
1. REFER TO BIOSOLIDS IMPROVEMENT PROJECT RECORD DRAWINGS FOR ADDITIONAL EXISTING CONDITIONS OF DIGESTER 4/5 ANNEX BUILDING AND DIGESTER 5.
 2. DIGESTER 5 WILL BE REMOVED FROM SERVICE, ISOLATED FROM THE GAS SYSTEM, VENTED, DRAINED, AND OPEN TO THE ATMOSPHERE BY THE OWNER PRIOR TO CONTRACTOR BEGINNING WORK.
 3. CONTRACTOR IS RESPONSIBLE FOR FOLLOWING ALL OSHA, STATE, AND LOCAL HEALTH AND SAFETY REGULATIONS FOR ENTRY AND WORKING INSIDE THE OFFLINE DIGESTER.
 4. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING VENTILATION AND SAFE WORK SPACE WITHIN THE TANK. EACH TANK HAS AN ACCESS DOOR AT GRADE AND TWO ROOF HATCHES.



City of Meridian
Wastewater Resource
Recovery Facility
Digester 5 Cover Seal
Replacement

REVISIONS		
REV	DATE	DESCRIPTION

LINE IS 2 INCHES
AT FULL SIZE

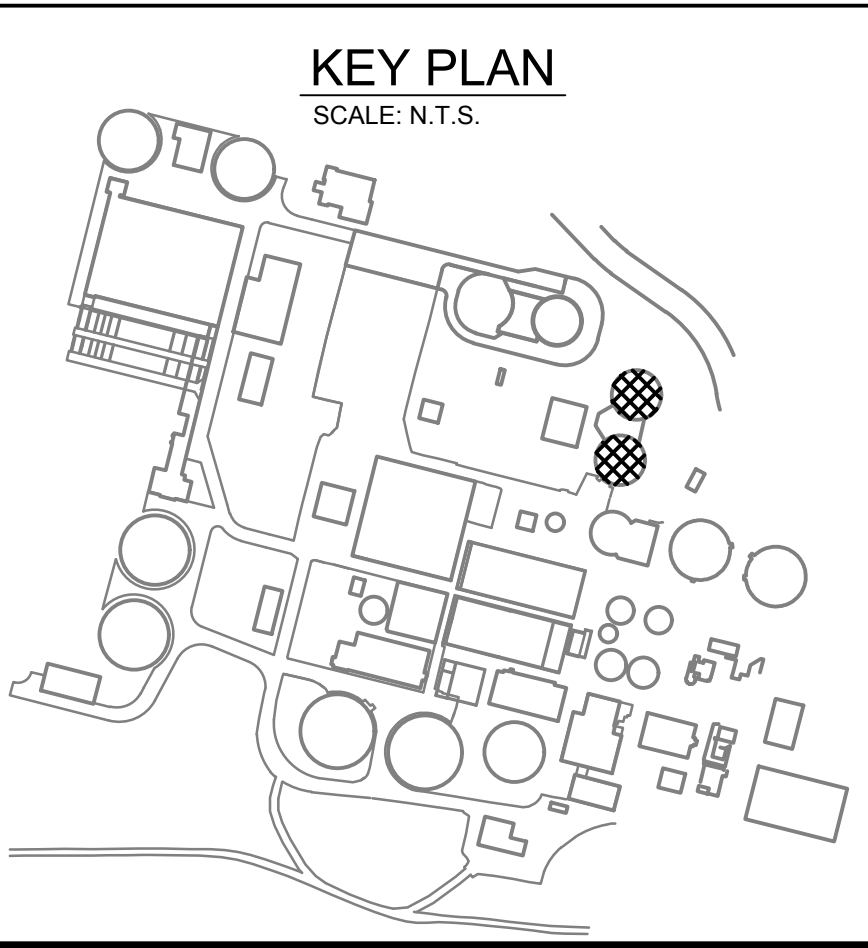
DESIGNED: D. STALLMAN
DRAWN: A. LAMBERT
CHECKED: S. KRUGEL
APPROVED: D. BERGDOLT

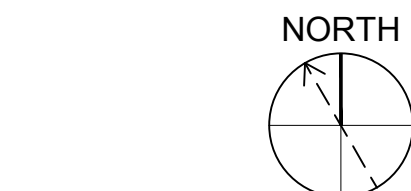
FILENAME
C-100-1001.dwg
BC PROJECT NUMBER
154816
CLIENT PROJECT NUMBER

CIVIL

EXISTING
CONDITIONS SITE
WORK

DRAWING NUMBER
C-100-1001
SHEET NUMBER
OF





SCALE: 1/8" = 1'-0"



 **SECTION**
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. PROTECT DIGESTER COVER, APPURTENANCES AND EXISTING STRUCTURES IN THEIR CURRENT CONDITION AT THE BEGINNING OF THE WORK. REPAIR DAMAGE TO THE SATISFACTION OF THE OWNER AT NO COST TO THE OWNER.



City of Meridian
Wastewater Resource
Recovery Facility
Digester 5 Cover Seal
Replacement

REVISIONS

[illegible]

LINE IS 2 INCHES
AT FULL SIZE

DESIGNED: D. STALLMAN

DRAWN: A. LAMBERT

CHECKED: S. KRUGEL

CHECKED:

APPROVED: D. BERGDOLT

FILENAME

D-740-1001.dwg

BC PROJECT NUMBER
154816

154810
T PROJECT NW

MECHANICAL

DIGESTER 5 PLAN AND SECTION

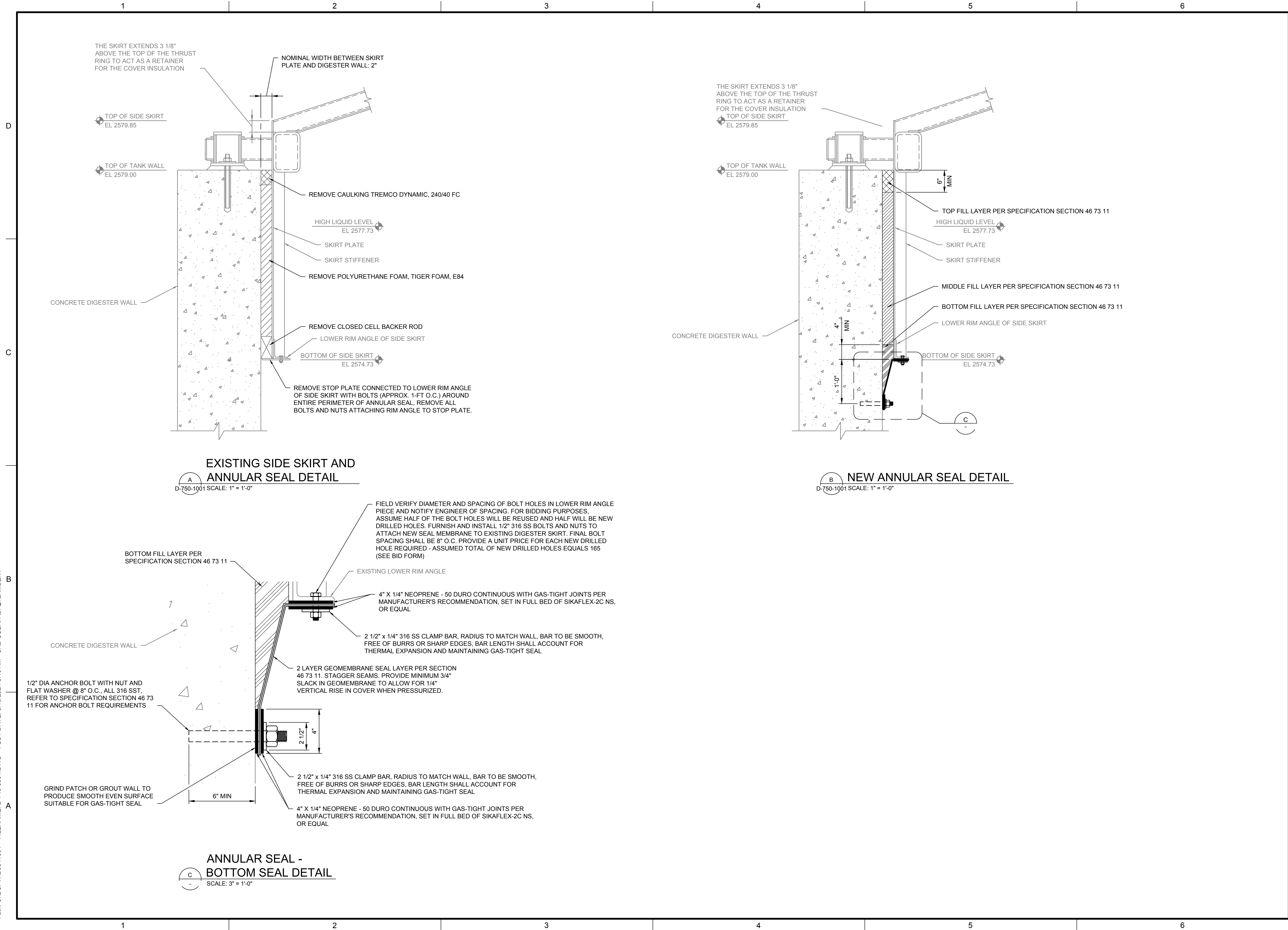
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SHEET NUMBER

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Cushing Terrell Logo.jpg
DC Engineering Logo.png



City of Meridian
Wastewater Resource
Recovery Facility
Digester 5 Cover Seal
Replacement

REVISIONS		
REV	DATE	DESCRIPTION

LINE IS 2 INCHES
AT FULL SIZE

DESIGNED: D. STALLMAN

DRAWN: A. LAMBERT

CHECKED: S. KRUGEL

CHECKED:

APPROVED: D. BERGDOLT

FILENAME

D-740-3001.dwg

BC PROJECT NUMBER

154816

CLIENT PROJECT NUMBER

MECHANICAL

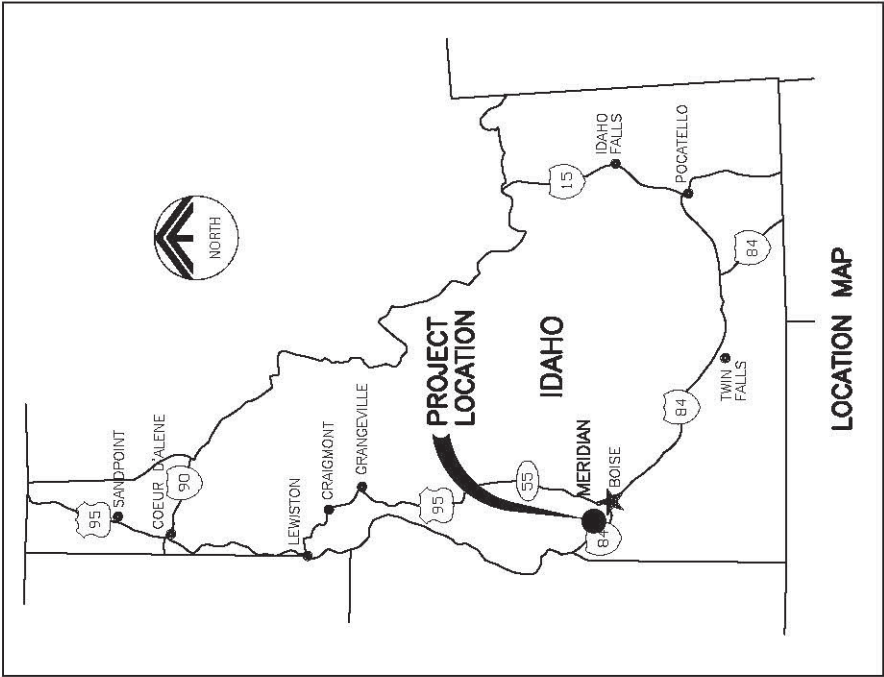
DETAILS

DRAWING NUMBER

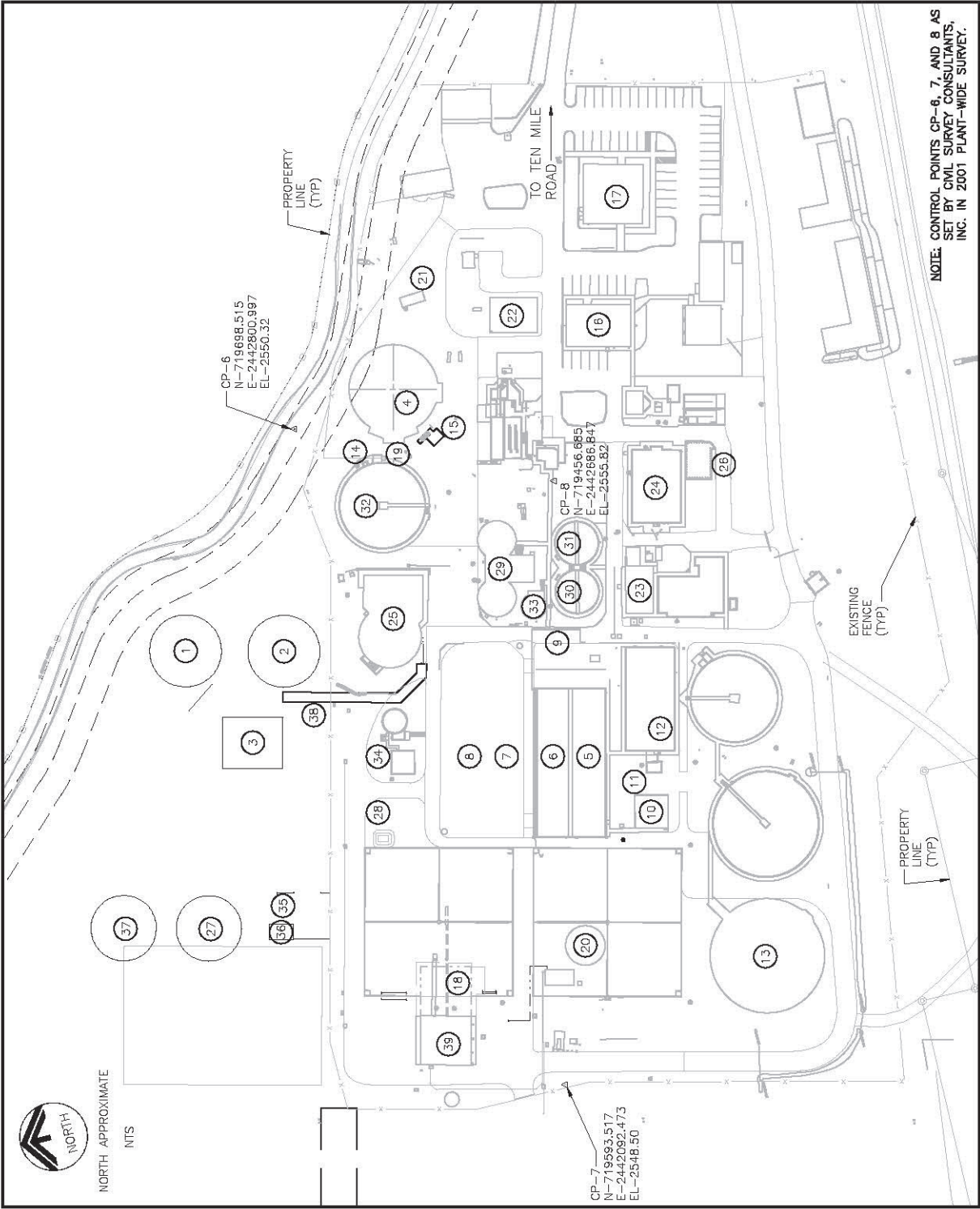
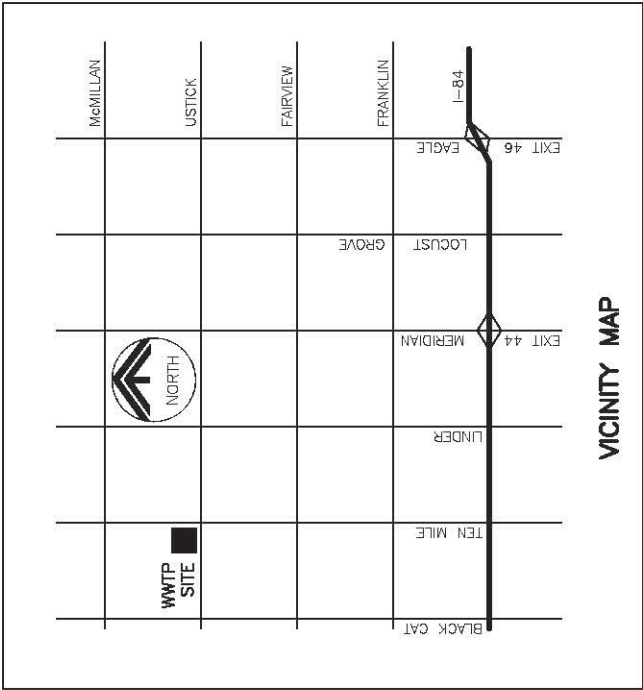
D-750-3001

SHEET NUMBER

OF



CITY OF MERIDIAN WASTEWATER TREATMENT PLANT BIOSOLIDS IMPROVEMENT PROJECT



WASTEWATER TREATMENT PLANT SITE PLAN

2006



RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED
IN PART ON INFORMATION PROVIDED BY OTHERS
THIS DRAWING WAS PREPARED ONLY FOR THE
PROJECT AND SITE SPECIFICALLY IDENTIFIED
HEREON AND IS NOT TO BE USED ELSEWHERE

STRUCTURE INDEX

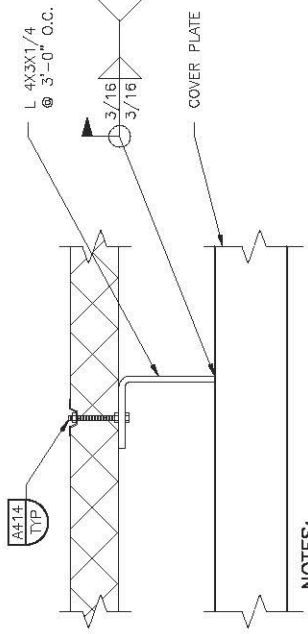
LEGEND

- 1) DIGESTER NO.4
- 2) DIGESTER NO.5
- 3) NORTH DIGESTER CONTROL BUILDING
- 4) PRIMARY CLARIFIER NO.4 (NIC)
- 5) AERATION BASIN NO.1 (NIC)
- 6) AERATION BASIN NO.2 (NIC)
- 7) AERATION BASIN NO.3 (NIC)
- 8) AERATION BASIN NO.4 (NIC)
- 9) SECONDARY PUMP STATION (NIC)
- 10) BLOWER BUILDING (NIC)
- 11) SECONDARY CLARIFIER SPLITTER BOX (NIC)
- 12) RAS/WAS STATION (NIC)
- 13) SECONDARY CLARIFIER NO.5 (NIC)
- 14) PRIMARY NO.3 SLUDGE PUMP VAULT (NIC)
- 15) PRIMARY NO.3 AND NO.4 SPLITTER BOX (NIC)
- 16) OPERATIONS BUILDING (NIC)
- 17) ADMINISTRATION BUILDING (NIC)
- 18) BIOSOLIDS DRYER (NIC)
- 19) PRIMARY VAULT SLUDGE PUMP NO.4 (NIC)
- 20) CENTRATE TANK (NIC)
- 21) NPW BACKFLOW DEVICE (NIC)
- 22) LAB BUILDING (NIC)
- 23) MECHANICAL BUILDING (NIC)
- 24) POST AERATION BASIN (NIC)
- 25) DIGESTER NO.3 AND BUILDING (NIC)
- 26) POST AERATION BLOWER BUILDING (NIC)
- 27) FLEXIBLE MEMBRANE GAS HOLDER SOUTH (NIC)
- 28) DIGESTER GAS FLARE (NIC)
- 29) DIGESTER NO.1 AND NO.2 AND BUILDING
- 30) PRIMARY CLARIFIER NO.1 (NIC)
- 31) PRIMARY CLARIFIER NO.2 (NIC)
- 32) PRIMARY CLARIFIER NO.3 (NIC)
- 33) DAFT NO.1 (NIC)
- 34) DAFT NO.2 (NIC)
- 35) NORTH IRON SPONGE
- 36) DIGESTER GAS BOOSTER STATION
- 37) FLEXIBLE MEMBRANE GAS HOLDER NORTH (NIC)
- 38) PIPE UTILIDOR
- 39) BIOSOLIDS DEWATERING

NOTE:

(NIC) = NOT IN CONTRACT

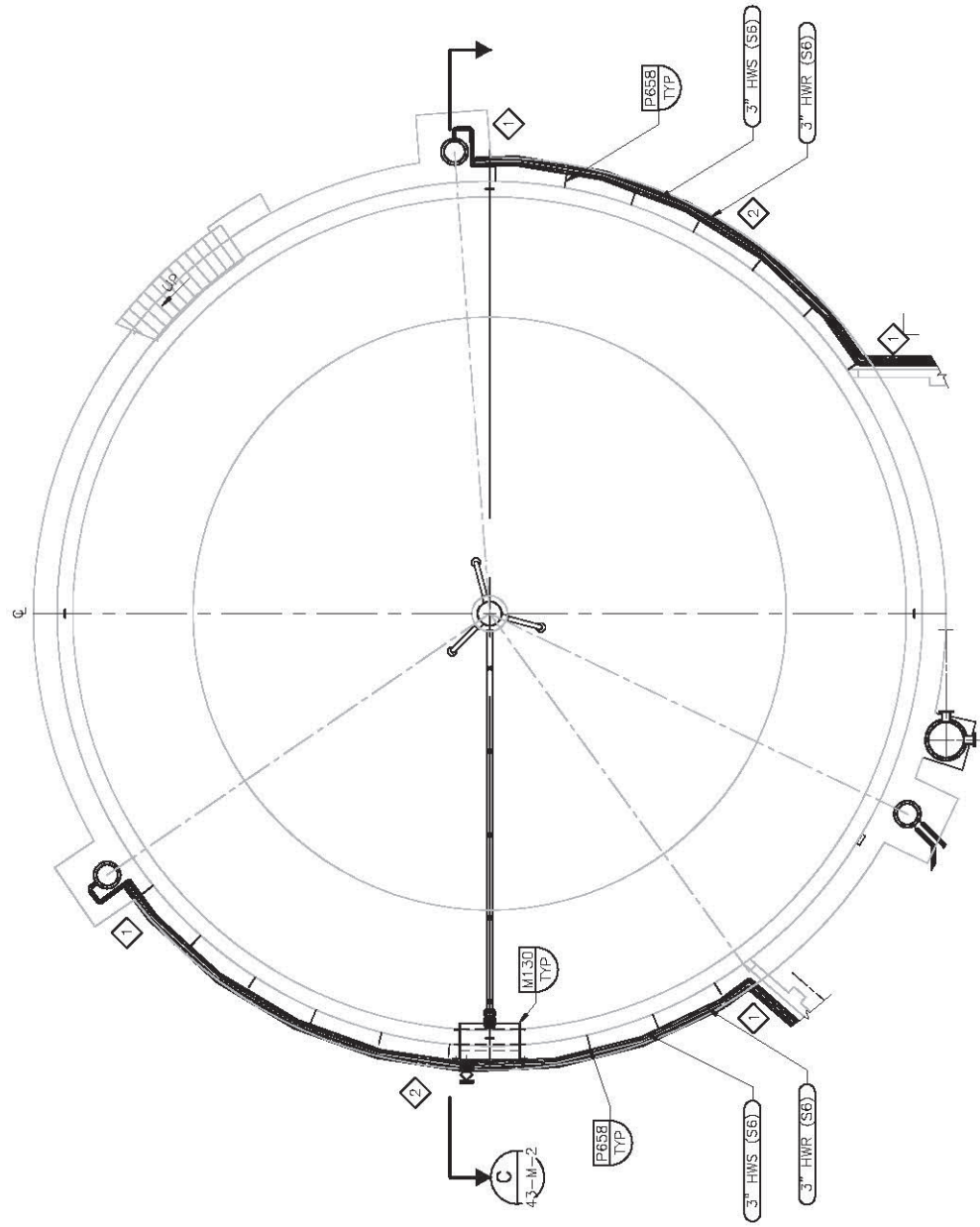
JOB NO. 6586D.10
DRAWING NO. G-1
SHEET NO. 1 OF 201



NOTES:
INSULATION ABOVE COVER PLATE NOT SHOWN
FOR CLARITY. SEE SPECS FOR DETAILS.



NORTH APPROXIMATE

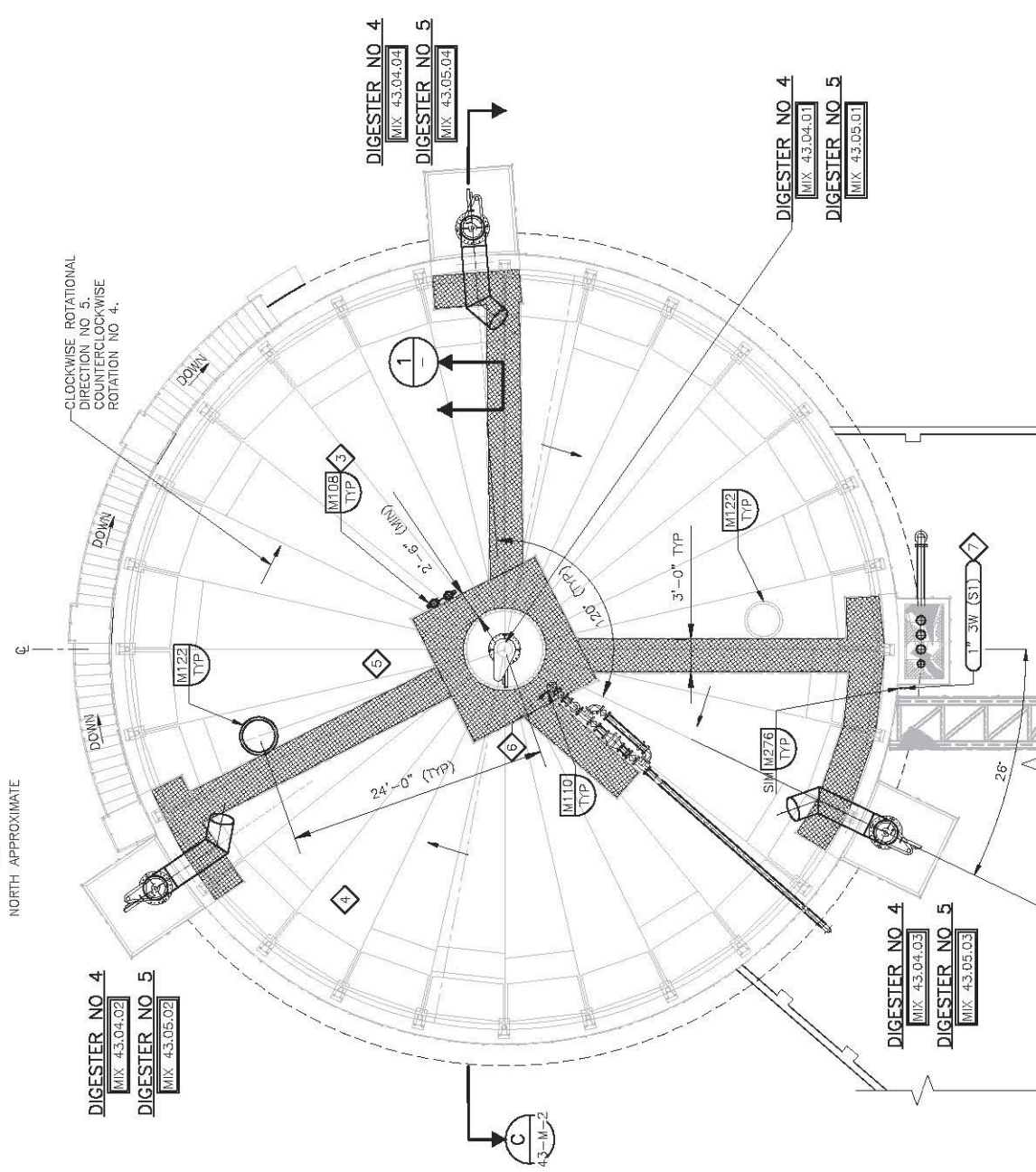


B DIGESTER NO.5 PLAN - LOWER (NO.4 SIM)

SCALE: 1/8"=1'-0"
FILE: 43-040-201, 43-050-201



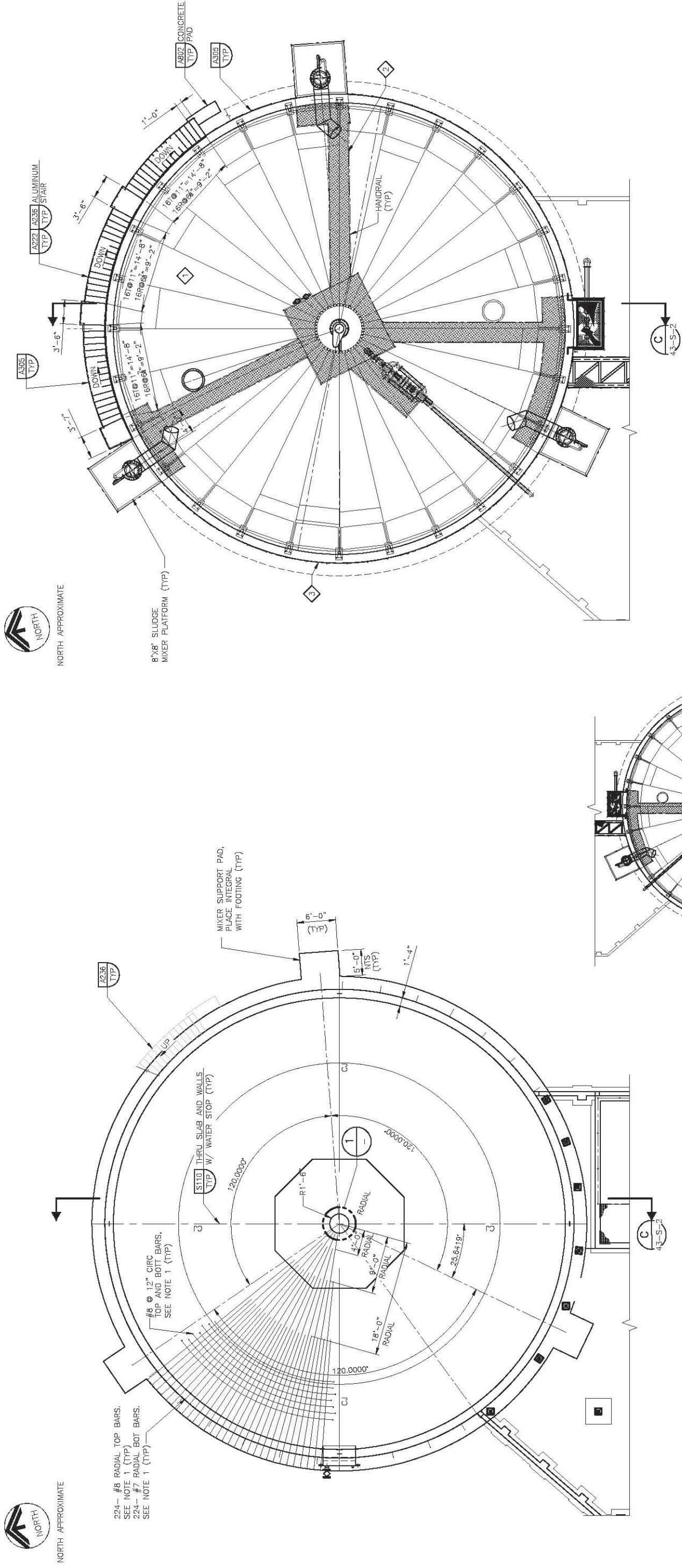
NORTH APPROXIMATE



A DIGESTER NO.5 PLAN - UPPER (NO.4 SIM)

SCALE: 1/8"=1'-0"
FILE: 43-040-202, 43-050-202

[illegible]



A **DIGESTER NO.4 - LOWER PLAN (NO.5 SIM)**
SCALE: 1/8"=1'-0"
FILE:

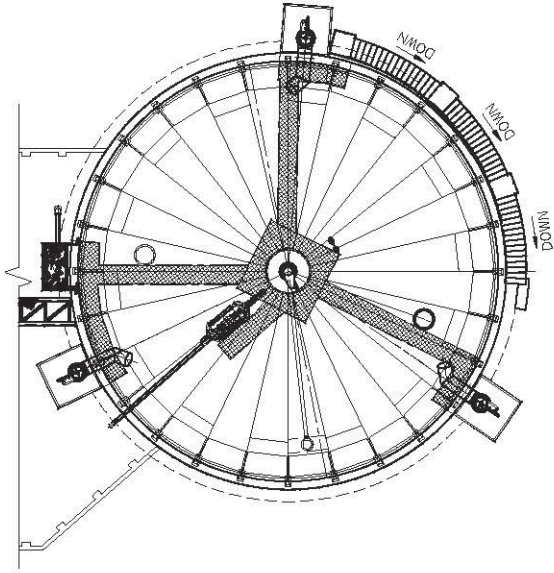
B DIGESTER NO.5 - UPPER PLAN (NO.4 SIM)
SCALE: 1/8" = 1'-0"
FILE:

- KEY NOTES:**
- ① GRANULES AND WALKWAY TOPCOAT COATING TO BE APPLIED OVER ENTIRE DIGESTER DOME, SECTION 07570.
 - ② GRIP STRUT, GS METALS, OR EQUAL, ON DIGESTER DOME. SEE CONNECTION DETAIL 43-M-1.
 - ③ HANDRAIL AROUND DIGESTER PERIMETER, MIXER ACCESS PLATFORMS, AND OVERFLOW BOX AND BRIDGE.

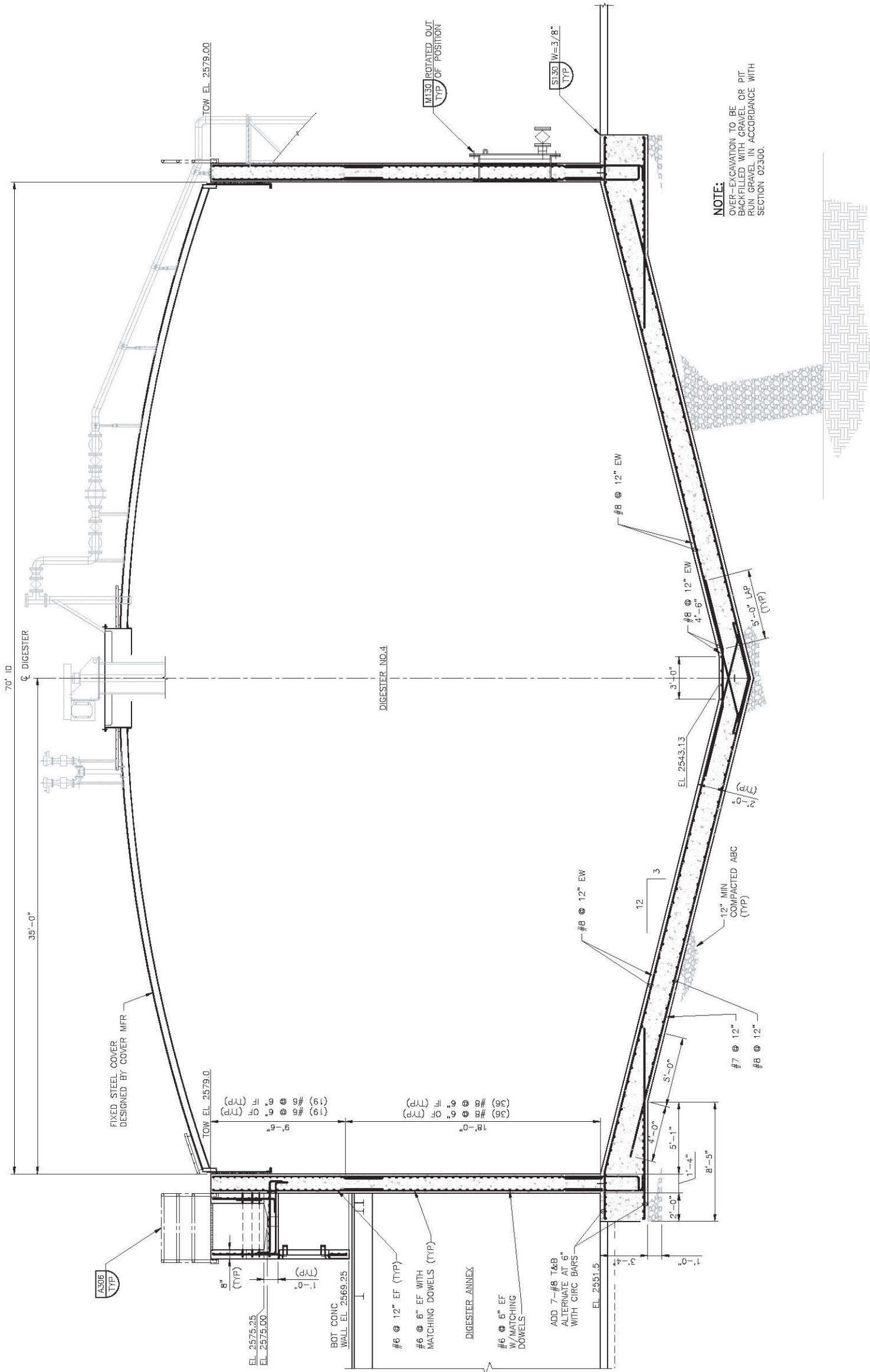
NOTES:

1. REINFORCING BARS ARE NOT SHOWN COMPLETELY FOR CLARITY.
2. DIGESTER COVER LIVE LOAD = 25 PSF.
3. CONSTRUCTION JOINTS IN SLAB NOTED BY "C.I.";
SEE S1101.

C DIGESTER NO.4 - STAIRWAY PLAN



FILENAME: H:\Client\Meridian_B01\6586D10_Biosolids Improvements Project\DW\DW3\Record	43-S-1	Apr 14, 2009	02:48:21pm	DMG\jdc	bio-bdr 43-040-201 43-040-202 43-050-202 43-040-203 43-050-104 43-040-207 slampa
DESIGNED	KAM	 RECORD DRAWING THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS THIS DRAWING WAS PREPARED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON AND IS NOT TO BE USED ELSEWHERE	 carollo engineers	CITY OF MERIDIAN BIOSSOLIDS IMPROVEMENT PROJECT STRUCTURAL DIGESTER UPPER PLAN AND LOWER PLAN	VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0  1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
DRAWN	SCB				
CHECKED	CAG				
DATE	APR 15, 2009	DISCIPLINE ENGINEER			
DESCRIPTION					
REV	DATE	BY			



C SECTION
SCALE: 1/4"=1'-0"
FILE:-

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Wastewater Resource Recovery Facility Digester 6 Design

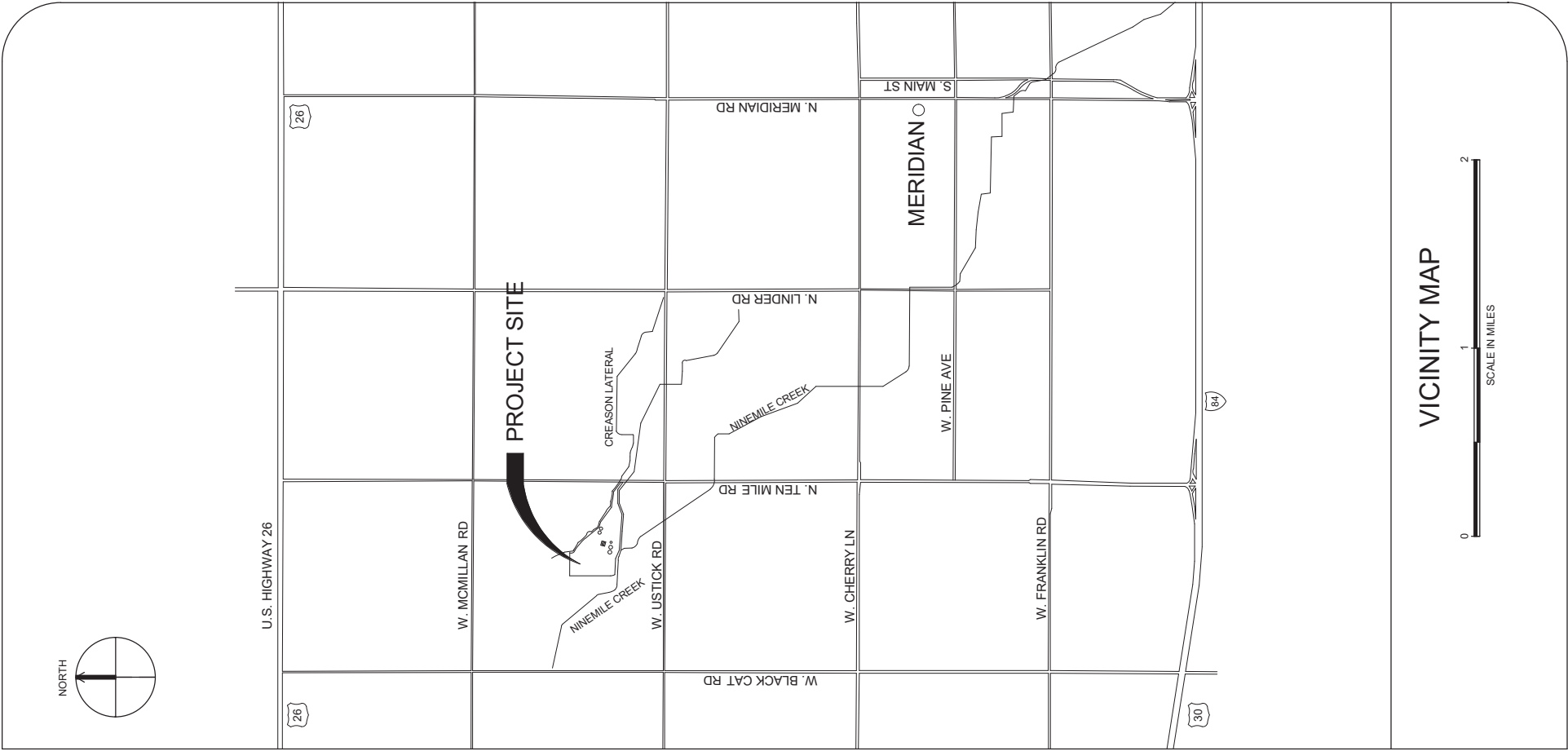
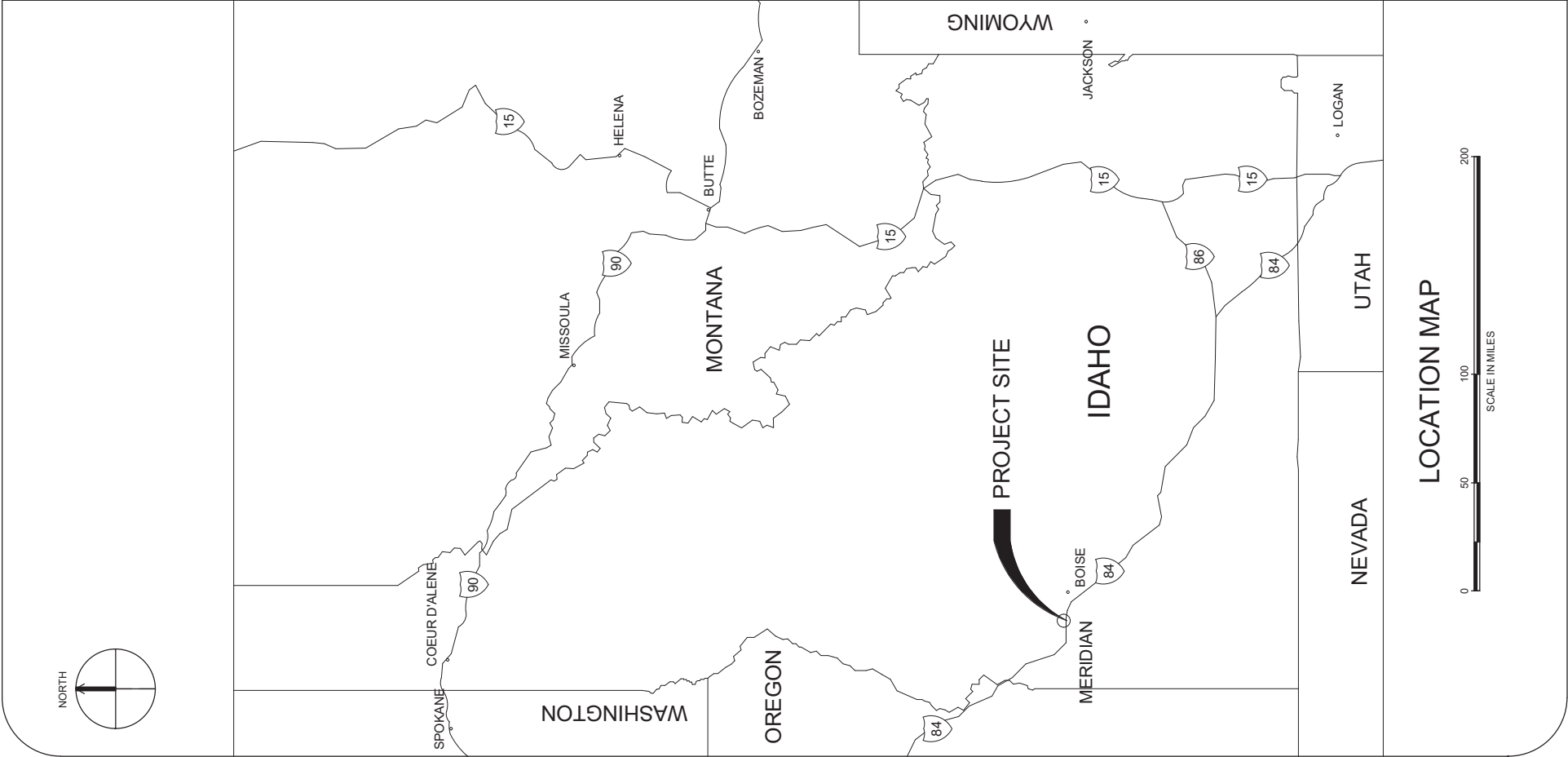
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FEBRUARY 2024

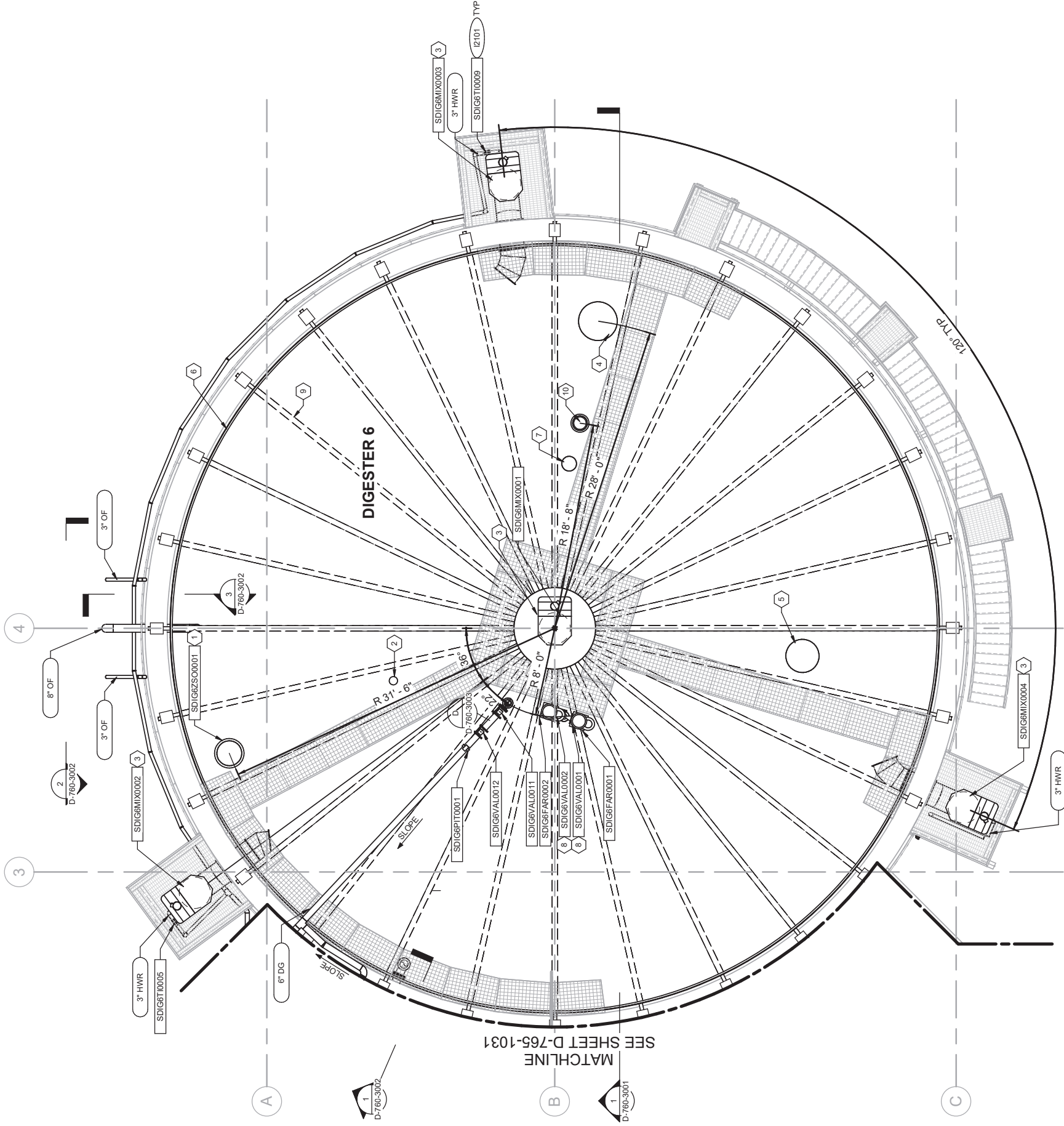
VOLUME 4 of 5
DRAWINGS



DC ENGINEERING
Careful listening. Dynamic solutions.

**Cushing
Terrell.**





PLAN
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

1. SLOPE ALL DG PIPING AT 1/4" PER 1'-0".

KEYNOTES:

- | | |
|----|--|
| 1 | 24" DIA PRESSURE RELIEF HATCH WITH LIMIT SWITCH PER SECTION 43 13 46. ORIENT HATCH HINGES SUCH THAT HATCH OPENS ON SIDE CLOSEST TO TANK PERIMETER. |
| 2 | 4" DIA SAMPLING HATCH WITH SEAL TUBE. SEE SECTION 46 73 11. |
| 3 | DRAFT TUBE MIXER. TYP OF 4. SEE SECTION 46 73 32. |
| 4 | 42" DIA MANHOLE. SEE SECTION 46 73 11. |
| 5 | 36" DIA MANHOLE. SEE SECTION 46 73 11. |
| 6 | FIBED DIGESTER COVER. SEE SECTION 46 73 11. |
| 7 | 10" DIA PORT FOR SPARE LEVEL INSTRUMENT. SEE SECTION 46 73 11. |
| 8 | 6" PRESSURE-VACUUM RELIEF ASSEMBLY. SEE SECTION 46 73 11 AND SECTION 43 13 46. |
| 9 | COVER PLATES WELDED TO TOP OF RADIAL BEAMS. SEE SECTION 46 73 11. |
| 10 | 10" DIA PORT FOR LEVEL INSTRUMENT. SEE SECTION 46 73 11. |

THIS RECORD DOCUMENT WAS PREPARED USING INFORMATION REPORTED TO BROWN AND CALDWELL AND CONTAINS ONLY THE STANDARD AND CUSTOMARY LEVEL OF DETAIL. THE INFORMATION WAS NOT INDEPENDENTLY FIELD-VERIFIED. THERE IS NO ONGOING PROGRAM TO UPDATE THE DRAWINGS TO REFLECT CHANGES SUBSEQUENT TO THE DATE INDICATED. THEREFORE, THIS DRAWING CANNOT BE RELIED UPON AS A REPRESENTATION OF ACTUAL CONDITIONS.

RECORD DRAWINGS



City of Meridian
Wastewater Resource
Recovery Facility
Digester 6 Design

REVISIONS

[illegible]

LINE IS 2 INCHES
AT FULL SIZE

DESIGNED: D. STALLMAN

DRAWN: R. PERSHING

CHECKED: S. KRUGEL

CHECKED: D. BUHMAN

APPROVED: D. STALLMAN

FILE NAME

154816-D-760V19.rvt

BC PROJECT NUMBER

CLIENT PROJECT NUMBER

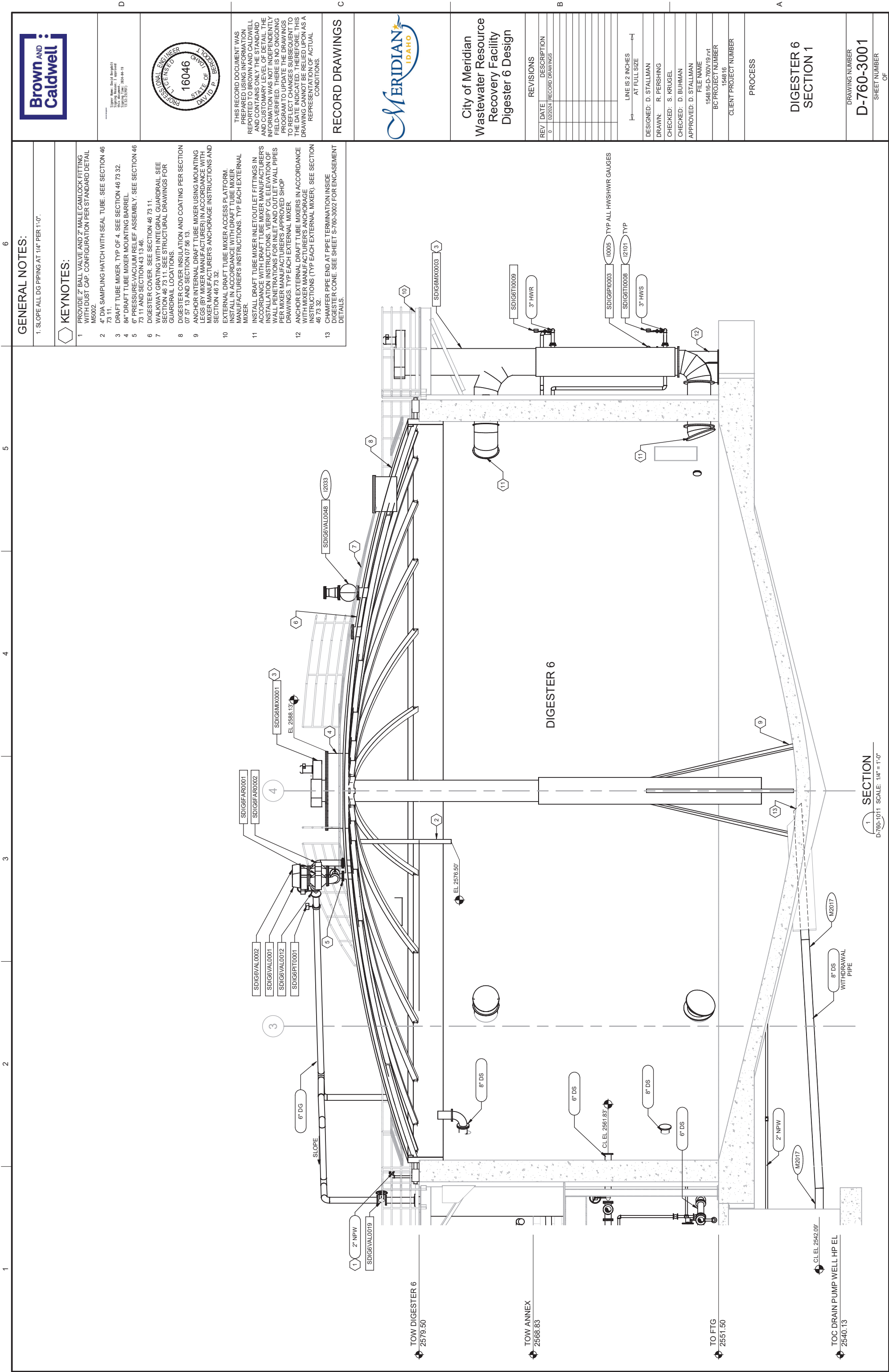
[illegible]

PROCESS

DIGESTER 6 ROOF PLAN

DRAWING NUMBER
D-760-103

SHEET NUMBER
OF



- GENERAL NOTES:
1. SLOPE ALL DG PIPING AT 1/4" PER 1'-0".
- KEYNOTES:
- 1

PROVIDE 2 DIGESTER U-TUBE SIGHT WINDOWS WITH VIEW SIZE 3"X18" PER SECTION 40 05 06.33. LOCATE WINDOWS 180 DEGREES APART TO ALLOW VIEW THROUGH PIPE.
- 2

PROVIDE 3"X1" REDUCER TO ACT AS FUNNEL FOR ANTI-FREEZE ADDITION. PROVIDE PLASTIC CAP OVER FUNNEL.
- 3

SUPPORT VENTS FROM DIGESTER WALL. TERMINATE AT EL 2585.00 WITH TWO ELBOWS.
- 4

8"X4" ECCENTRIC REDUCER.
- 5

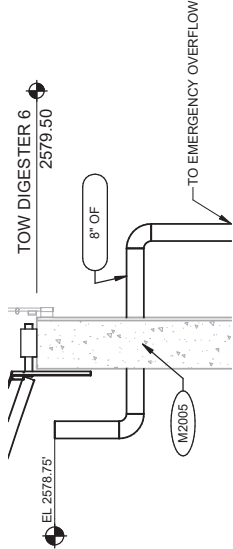
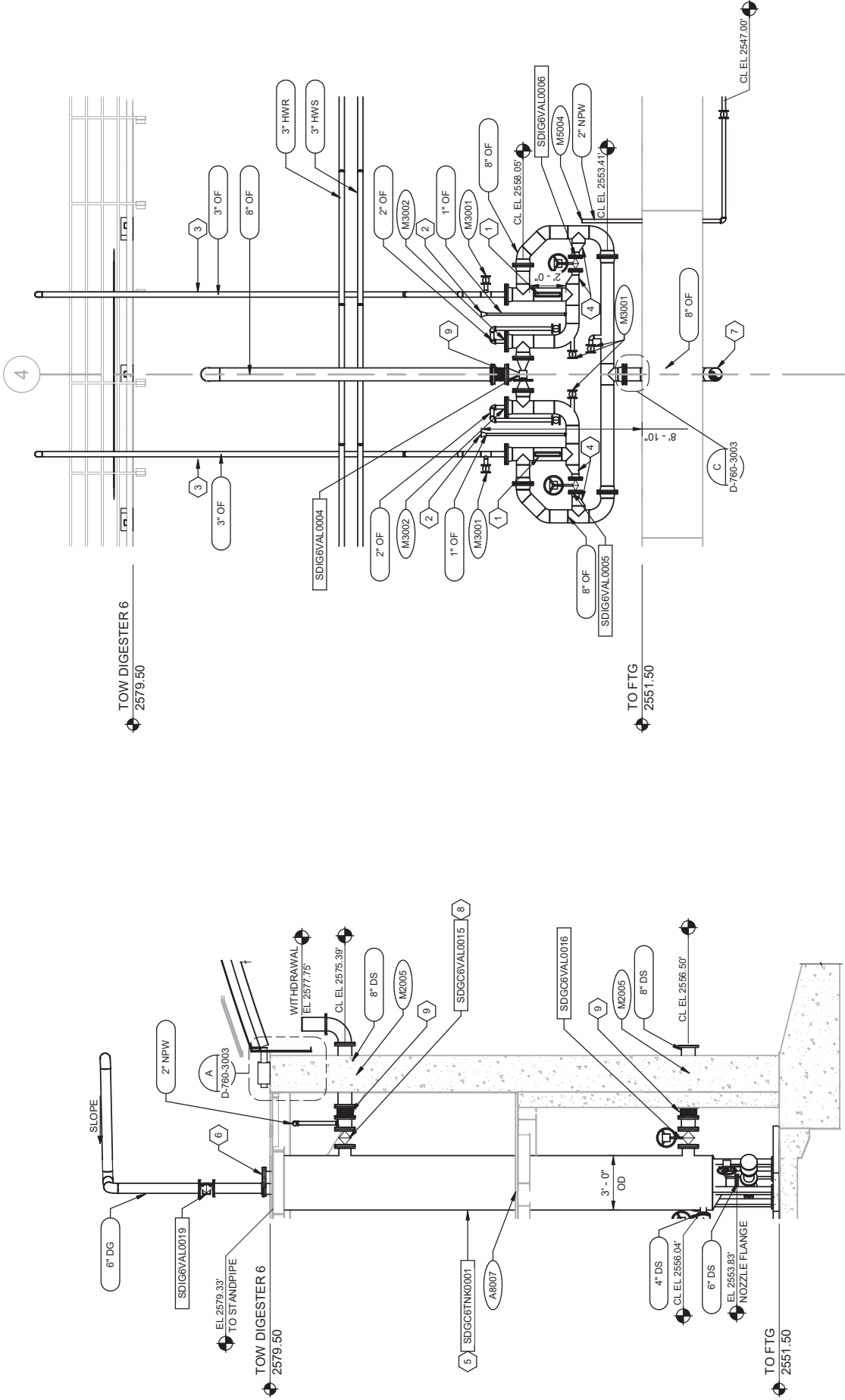
3" DIA DIGESTER 6 STANDPIPE. SEE SECTION 43 41 20.
- 6

8" BLIND FLANGE.
- 7

FOR CONTINUATION SEE DRAWING C-100-4001. FOR PIPING ELEVATIONS SEE DRAWING C-100-3002.
- 8

PROVIDE VALVE WITH GEAR OPERATOR WITH EXTENSION STEM AND NUT THAT TERMINATES ABOVE THE STANDPIPE PLATFORM GRATING ELEVATION.
- 9

EXPANSION JOINT. SEE SECTION 40 05 06.23.



SECTION 2
D-760-1011 SCALE: 1/4" = 1'-0"

SECTION 1
D-760-1011 SCALE: 1/4" = 1'-0"

PROCESS

DIGESTER 6
SECTIONS 2

DRAWING NUMBER
D-760-3002

SHEET NUMBER
OF

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RECORD DRAWINGS



City of Meridian
Wastewater Resource
Recovery Facility
Digester 6 Design

REVISIONS

REV	DATE	DESCRIPTION
0	02/2024	RECORD DRAWINGS

LINE IS 2 INCHES
AT FULL SIZE

DESIGNED: D. STALLMAN

DRAWN: R. PERSHING

CHECKED: S. KRUGEL

APPROVED: D. STALLMAN

FILE NAME

154816-D-760V19.rvt

BC PROJECT NUMBER

154816

CLIENT PROJECT NUMBER

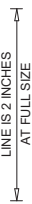


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RECORD DRAWINGS



City of Meridian
Wastewater Resource
Recovery Facility
Digester 6 Design

[illegible]

DESIGNED: D. STALLMAN

DESIGNED: D. STALLMAN

YN: A. LAMBERT

AKEN: S. KRIGE

AKED. O. MOORE.

... ..

FILE NAME

FILE NAME
1E1916.D 760V14

BC PROJECT NUMBER: 1348 10-D-760V1

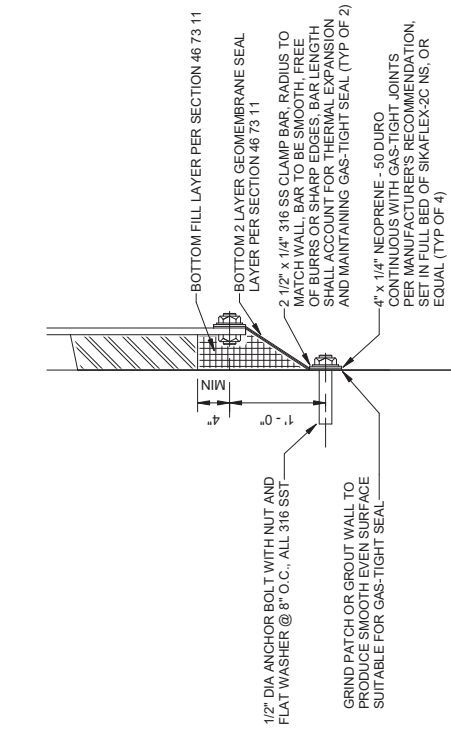
154816

PROCESS

DIGESTER 6 DETAILS

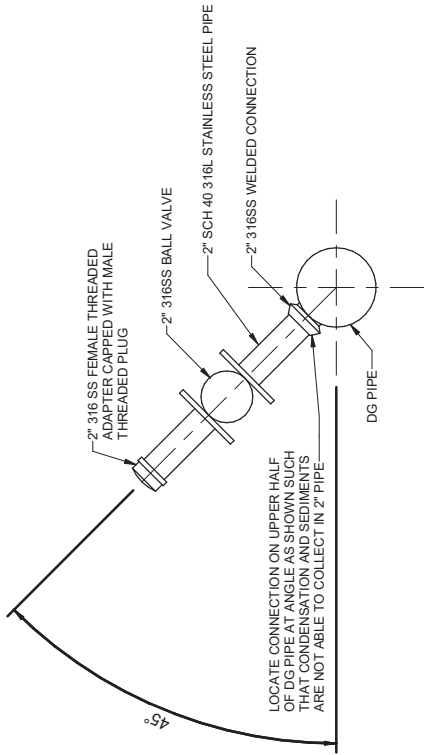
DRAWING NUMBER
D-760-3003

SHEET NUMBER
OF



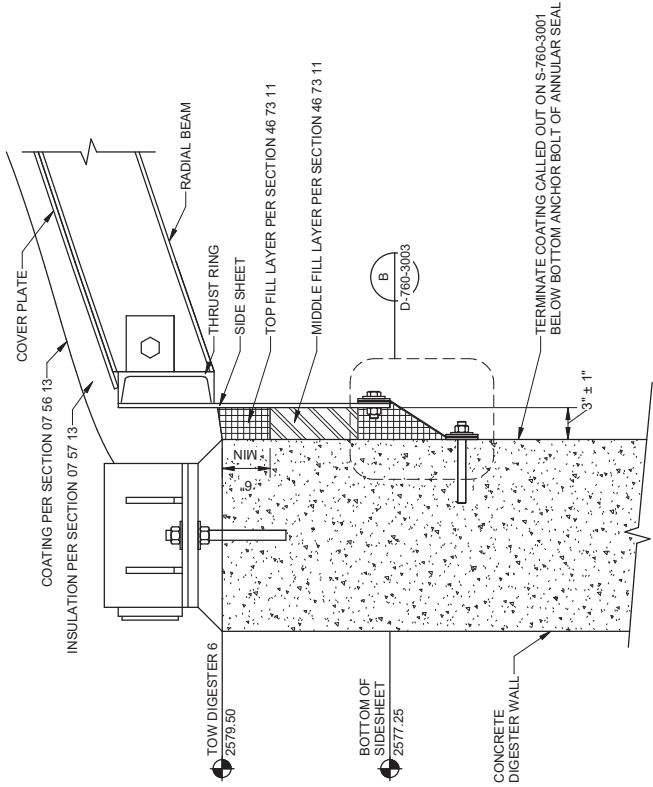
ANNULAR SEAL - BOTTOM FILL AND SEAL

D-760-3003 SCALE: 1" = 1'-0"



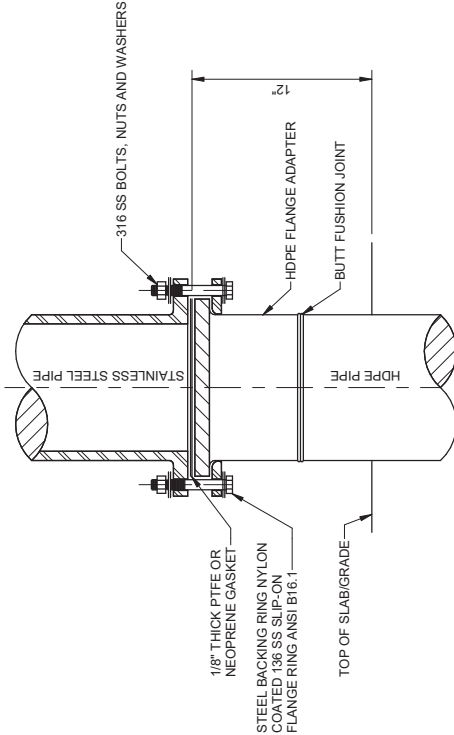
NITROGEN PURGE CONNECTION DETAIL

D-760-1031 SCALE: 1 1/2" = 1'-0"



ANNULAR SEAL

D-760-3002 SCALE: 1" = 1'-0"



STAINLESS STEEL TO BURIED HDPE TRANSITION

D-760-3002 SCALE: N.T.S.