



REQUEST FOR QUOTES

Digester No. 4 Cleaning 3600 W 3rd Ave

February 5, 2024

Please submit this quote to:
Gary Sanitary District
3600 West 3rd Avenue
Gary, IN 46406
Telephone No. 219/944-1211

Please submit this quote by: **Friday, February 21, 2025 at 2:00 p.m.**

PROJECT DESCRIPTION: Removal, dewatering, and disposal of grit including all the sand, sludge, debris, and water from the dome, walls, floors, pipes, and valves within Digester No. 4 to the pipe headers. Pressure washing the interior surfaces of Digester No. 4, including the floating dome.

The purpose of this specification is to outline the scope of work for the removal, dewatering, and disposal of grit including sand, sludge, debris, and water from the dome, walls, floors, pipes, and valves within Digester No. 4 to the pipe headers and pressure washing of the interior surfaces of the digester. Digester No. 4 is located in the Gary Sanitary District Wastewater Treatment Plant, 3600 West 3rd Avenue, Gary, Indiana 46406. The plant is operated by Gary Sanitary District

- Digester No. 4 is a secondary digester and it is comprised of a steel floating cover (dome), concrete walls, and a concrete floor.
- Digester No. 4 has an internal diameter of 90 feet and a straight wall height of 23 feet (at the digester's circumference).
- The floor is sloped at a ratio of 1-1/8 to 12. The floor slopes to the 5-foot diameter by 1-foot deep center hopper (sump).
- The grit and sludge level is as shown in the drawings. The volume of grit in the digester is \pm 3000 cubic yards.

The project is a lump sum contract. The contractor must visit the site and verify site conditions, including the quantity of grit and sludge, specified herein prior to submitting bid.

All employees working on this project must have confined space entry training pursuant to the requirements of OSHA 29 CFR 1910. Proof of confined space certification of all workers on the project is required and must be submitted to Gary Sanitary District Safety Coordinator prior to the start of work.



SCOPE OF WORK:

- Remove all the grit including sand, sludge, debris, and water in Digester No. 4
- Remove, clean, and reinstall all the valves and pipes associated with Digester No. 4 to the headers.
- Pressure wash all the interior surfaces. The surfaces shall be cleaned adequately for conduction of structural investigation of digester.
- Dewater all the solids removed from Digester No. 4. Polymer shall be used as an option if necessary to help the grit and sludge flocculate. Dewatering shall be done onsite using portable mechanical dewatering equipment.
- All the solids removed from Digester No. 4 shall be dewatered to 20% total solids or better.
- The pressate from dewatering shall be filtered using a carbon filter that can remove PCBs and heavy metals. The lab results included with this Request for Quotes can be used to select the necessary carbon filter.
- The pressate shall be disposed of onsite at Gary Sanitary District designated area: **the manhole outside of Control House No. 2 (as shown in the drawings).**
- The removed, dewatered solids shall be disposed onsite at Gary Sanitary District designated area: **the dry pad located at the west gate of WWTP (as shown in the drawings).**

A. Responsibility of the Owner:

1. The Gary Sanitary District will lock-out, tag-out, and isolate all valves including methane gas line, water, sludge lines, etc. associated with the Digester No. 4 prior to commencement of the Work. The Contractor is also required to lock-out and tag-out.
2. The Gary Sanitary District has access to power onsite via a 3-phase, 480V, 60Hz control panel **in front of control house 2 (as shown in the drawings)**. Contractor shall provide their own inverters, transformers, and fuses as necessary.
3. Water will be available onsite at the Gary Sanitary District designated area: **in front of the blower building (as shown in the drawings)**.
4. The Gary Sanitary District shall coordinate the Work with the Contractor.
5. Upon completion of the Work, the Gary Sanitary District will inspect the digester.



B. Responsibility of the Contractor.

1. Contractor shall start work on the **first week of spring** as the weather permits.
2. Contractor shall remove all grit including sand, debris, sludge, and water from Digester No. 4.
3. The Contractor shall pressure wash the interior surfaces of the digester. The surfaces shall be cleaned adequately for conduction of structural investigation of digester.
4. The work environment is hazardous. Contractor is mandated to observe all confined space safety, rules, and regulations. Work shall not be done under any hazardous condition. Gary Sanitary District safety compliance for this job shall include the following:
 - i) Remove all the manhole covers for ventilation of the digester floating dome.
 - ii) Supply 2-3 explosion proof fans to be placed within the secondary digester for ventilation. Ensure that the digester and surroundings are properly ventilated.
 - iii) Remove the pressure relief valve on the floating dome to provide a positive air flow within the digester. A temporary 8-foot by 3-inch diameter (min.) pipe shall be installed vertically at the location of the pressure relief valve to direct air/gas into the atmosphere for a safe work area.
 - iv) Provide gas monitoring equipment. Monitor the atmospheric conditions continuously within the digester and externally around the digester and work area through-out the work. Prior to the start of the work, perform ventilation and gas monitoring for a period of 24 hours, if necessary. Provide a minimum of four (4) portable and functioning gas detectors. They shall be capable of detecting hydrogen sulfide, carbon monoxide, sulfur dioxide, and oxygen.
5. The method of grit and sludge removal and cleaning of the digester is the responsibility of the Contractor. The following may be utilized including the removal and reinstallation of the digester floating dome: ladder, scaffold (stationary or on wheels), motor driven lift, explosion proof lighting, hose, vacor/vacuum equipment, dewatering equipment, and grit/trash pumps. The floor of the tank contains hydraulic pressure relief valve and piping systems. Work around these systems must be done with great care.



6. The method of dewatering is the responsibility of the Contractor. The following may be utilized: Carbon filtration of pressate, vactor/vacuum equipment, and portable belt press.
7. The Contractor shall be responsible for any damage during the work. Contractor may utilize the service water, disposal areas and electricity available in the plant for the work.
8. The contractor shall provide workmen's Compensation and General Liability Insurance.
9. Upon completion of the Work, the Contractor shall remove the temporary pipe on the pressure relief valve line and reinstall the pressure relief valve and manhole covers. The manhole cover re-installation shall include gaskets for air tight seal. The gaskets shall be furnished by the Contractor. Clean up the work area, and inform the Owner for final inspection of the Work.
10. Once the final inspection has been completed and work is satisfactory, the contractor will be required to do final cleanup of work area and remove all equipment utilized for the task.

LIQUIDATED DAMAGES:

- Contractor and Owner recognize that time is of the essence for accomplishing the project, and that Owner will suffer financial loss if the Work is not completed within the contract time plus extensions thereof allowed by the Owner. In lieu of assessing damages due to delays, the Owner and Contractor agree that as liquidated damages for delay (but not as a penalty) Contractor shall pay Owner Five Hundred Dollars (\$500.00) for each day that expires after the time specified for completing the Work until the Work is completed and accepted by the Owner.

All quotes must be submitted to the Procurement Department to the attention of Anthony Ross, Warehouse Manager or Rowanda Anderson, Engineering Department Office Manager. Quotes must be received by 2:00 p.m. on February 21, 2025 in person. Quotes must be submitted in a sealed envelope and marked "Digester No. 4 Cleaning at 3600 W 3rd Ave". All technical/specifications questions are to be directed to the Engineers at (219)944-1211 extension 1235 or e-mail: janderson@garysan.com. Only quotes received on time will be considered.

CONTRACTOR COMPLIANCE REQUIREMENTS

TO: ALL GSD/GSWMD CONTRACTORS



FROM: GSD Office of Compliance

RE: Project Compliance Requirements

The Gary Sanitary District (GSD) and Gary Storm Water Management District (GSWMD) are committed to ensuring Gary businesses and residents are included in contracting and employment opportunities on ALL projects funded solely or in part by the GSD and GSWMD.

In accordance with our commitment, our procurement process includes or references the governing resolutions and ordinances related to our diversity and equity goals regarding utilization of local businesses and residents. By submitting your respective bid with all requested affidavits and forms as a potential contractor to GSD or GSWMD, you acknowledge receipt and understanding of said resolutions and/or ordinances.

Letters from Union Halls indicating a lack of available workers shall NOT be acceptable as an exception for non-compliance. We encourage you to be proactive in advance of bidding on, responding to or initiating work on our projects.

Please note that the following are required on ALL GSD/GSWMD projects:

1. Completed Certified Payrolls and Statements of Compliance submitted weekly.
2. Apprentice certificates, if applicable, must accompany certified payrolls that list apprentices working.
3. Project schedule must be submitted prior to start of work.
4. Job site visits conducted by GSD/GSWMD representative.
5. Subcontractor list must be submitted prior to start of work.
6. Wage Rate Sheets per trade must be submitted prior to start of work or with first certified payroll.
7. Valid Contractor's License and Business License must be submitted prior to start of work.
8. Current diversity certification letters i.e. GBE, MBE, WBE, DBE, VBE.
9. Any other requested document.

Failure to submit the required documents, comply with requirements outlined in GSD resolutions and City of Gary ordinances as referenced in the specifications for a bid, quote, or proposal may result in the withholding of payment, short payment of invoices, denial of reduction in retainage, withholding of retainage, work suspension and/or contractor removal from project or project site.



Failure to sign and return this memo will deem you non-responsive and non-responsible. By not signing and returning the acknowledgement of this memo and its contents, you forfeit all rights as a potential vendor to this project.

CONTRACTOR ACKNOWLEDGEMENT AND ACCEPTANCE

The Contractor has examined and carefully studied the specifications and/or drawings and acknowledged the following:

- Contractor has visited the site and is familiar and satisfied with the general local and site conditions that may affect cost, progress, performance, and furnishing of the work.
- Contractor is familiar with all federal, state, and local laws and regulations that may affect cost, progress, performance, and furnishing of the work.
- Contractor is familiar and shall fully comply with all federal, state, and local laws and regulations, specifically including the City of Gary Ordinance No. 6972, codified at Section 2-1882 through 2-1887 of the Municipal Code of the City of Gary, and its companion resolution, Gary Sanitary District Board of Commissioners Resolution No. 2113, which may affect cost, progress, performance, and furnishing of the work.
- The Contractor assumes full responsibility of the site and repair work upon notification of award until issuance of final completion.
- If the owner must service the sewer line due to the negligence of the Contractor, the Contractor will be required to pay all costs incurred.
- The Contractor is aware of the general nature of the work to be performed by OWNER and others at the site that is related to work for which this Quote is submitted as indicated in the Specifications and/or Drawings.
- Work shall not hinder the flow of wastewater.

Failure to report the residency of employees entirely and correctly shall result in the surrender of the entire liquidated damages as if no eligible residents were employed in either of the categories. The willful falsification of statements and the certification of payroll data may subject the contractor, subcontractor, or employee to prosecution.

Any retainage to cover contract performance that may become due to the contractor may be withheld by the city pending a determination of whether the contractor must surrender damages.



I AGREE, acknowledge receipt, and shall adhere to all compliance requirements, ordinances, and regulations required by GSD/GSWMD.

I DO NOT AGREE, and understand that by not agreeing, I forfeit any rights to further consideration as a vendor for this project.

ACKNOWLEDGEMENT

BY: _____

SIGNATURE: _____

TITLE: _____

COMPANY: _____

DATE: _____



QUOTE SCHEDULE

Item	Unit	Quantity	Total	Remarks
Digester No. 4 Cleaning Including All Incidentals	Lump Sum	1	\$	
Digester No. 4 Dewatering and Filtration	Lump Sum	1	\$	
TOTAL PRICE			\$	

_____ dollars
(Lump Sum Price in Words)

Please indicate your preference to remain on the list of potential bidders for future work. _____ KEEP COMPANY ON THE LIST OF POTENTIAL BIDDERS _____ REMOVE COMPANY FROM THE LIST OF POTENTIAL BIDDERS

I hereby certify that I have examined and carefully prepared this quote based on all of the above information and I am authorized to sign this quote and accept the terms and conditions of the Contract Agreement.

By: _____ Date: _____

Printed Name: _____

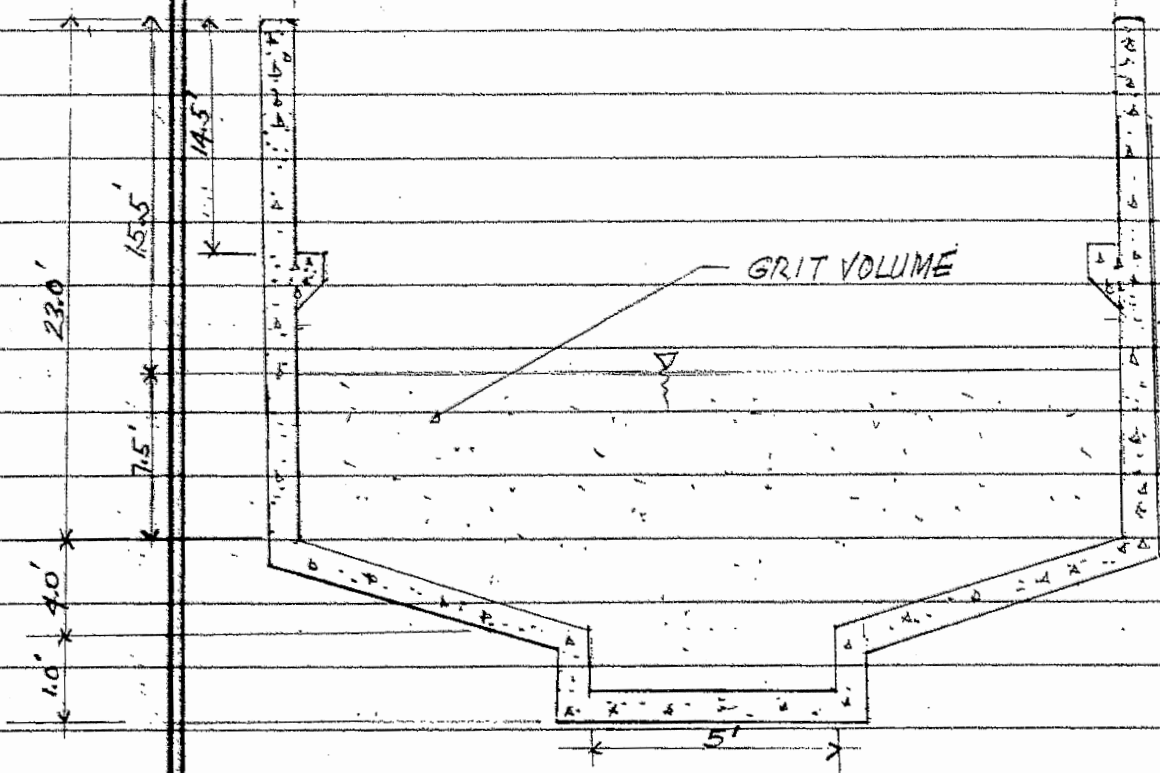
Doing Business as: _____

City: _____ State: _____ Zip: _____

Tel No.: _____ Fax No.: _____

E-Mail: _____

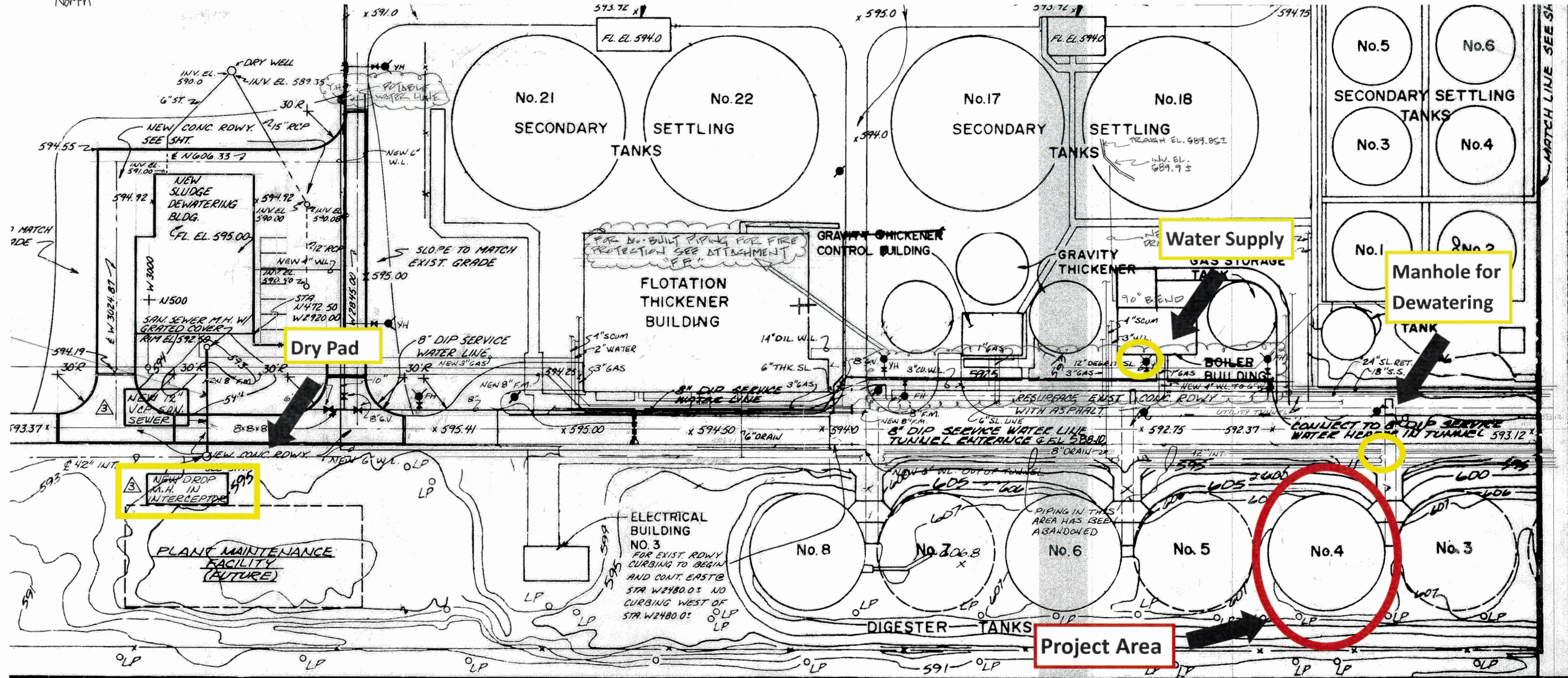
DIAMETER = 90 LF



GRIT VOLUME

CROSS SECTION VIEW

DIGESTER NO. 4



POLYTECH, INC.

ENGINEERS • ARCHITECTS • PLANNERS

- CLEVELAND
- ST. LOUIS
- ATLANTA
- MILWAUKEE
- DETROIT
- NASHVILLE
- HOUSTON
- WASHINGTON, D.C.
- NEW YORK CITY

PROJECT TITLE

GARY SANITARY DISTRICT GARY, INDIANA

ADDITIONS TO WASTEWATER TREATMENT PLANT

REVISION

DATE	DESCRIPTION
3-12-86	ADD No. 1 H&E REV.
6/19/86	POSTED ADDENDA

SHEET TITLE

SITE DEVELOPMENT
CIVIL

"RECORD DRAWING"

SCALE	DRAWN BY	CHECKED BY	DATE
1" = 50'	B. J. [Signature]	P. C. [Signature]	6/18/88

SHEET NO.

1-C-9

PROJECT NO.

82-C

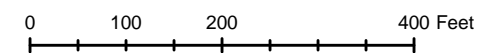


Legend
 — Street Centerline

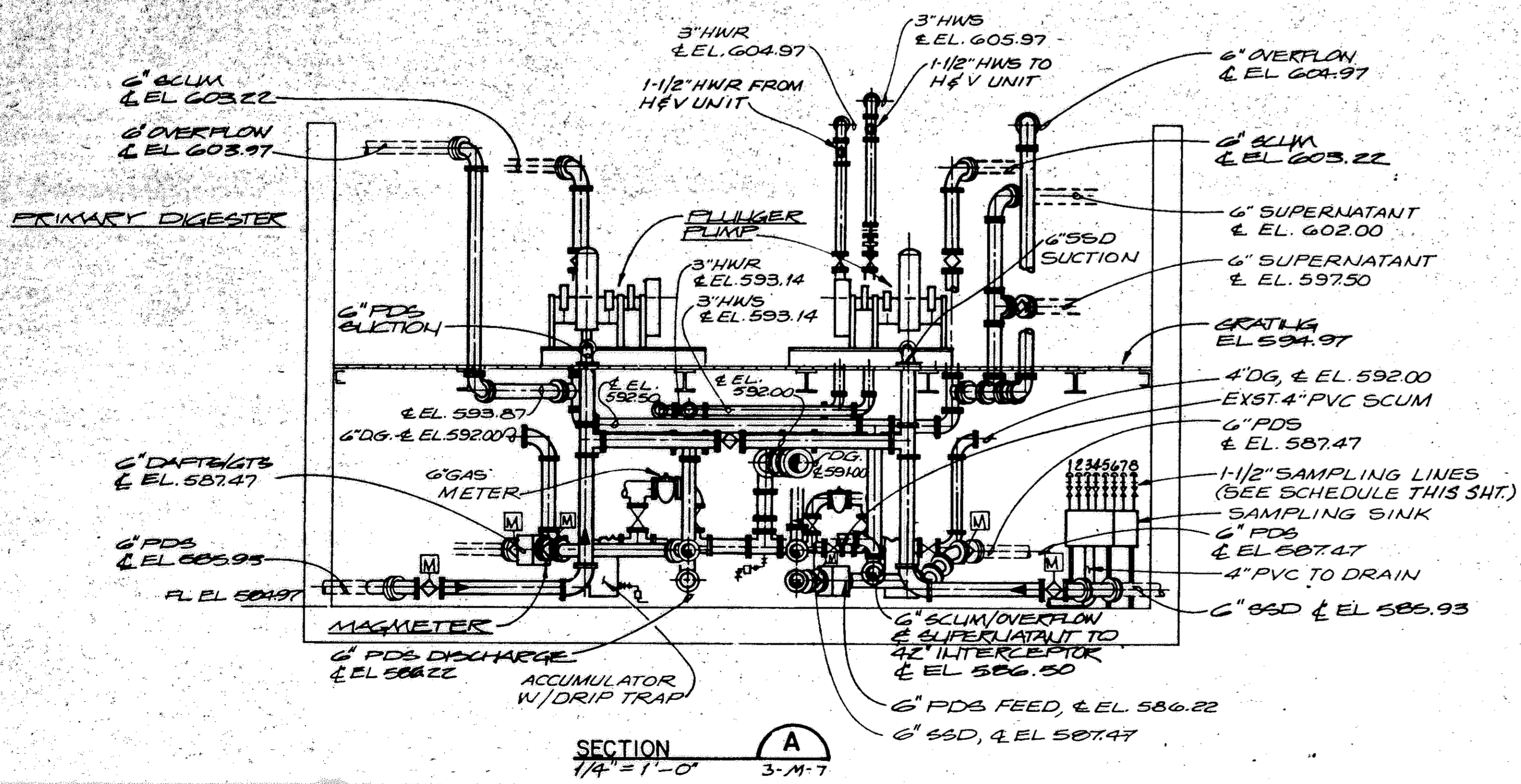
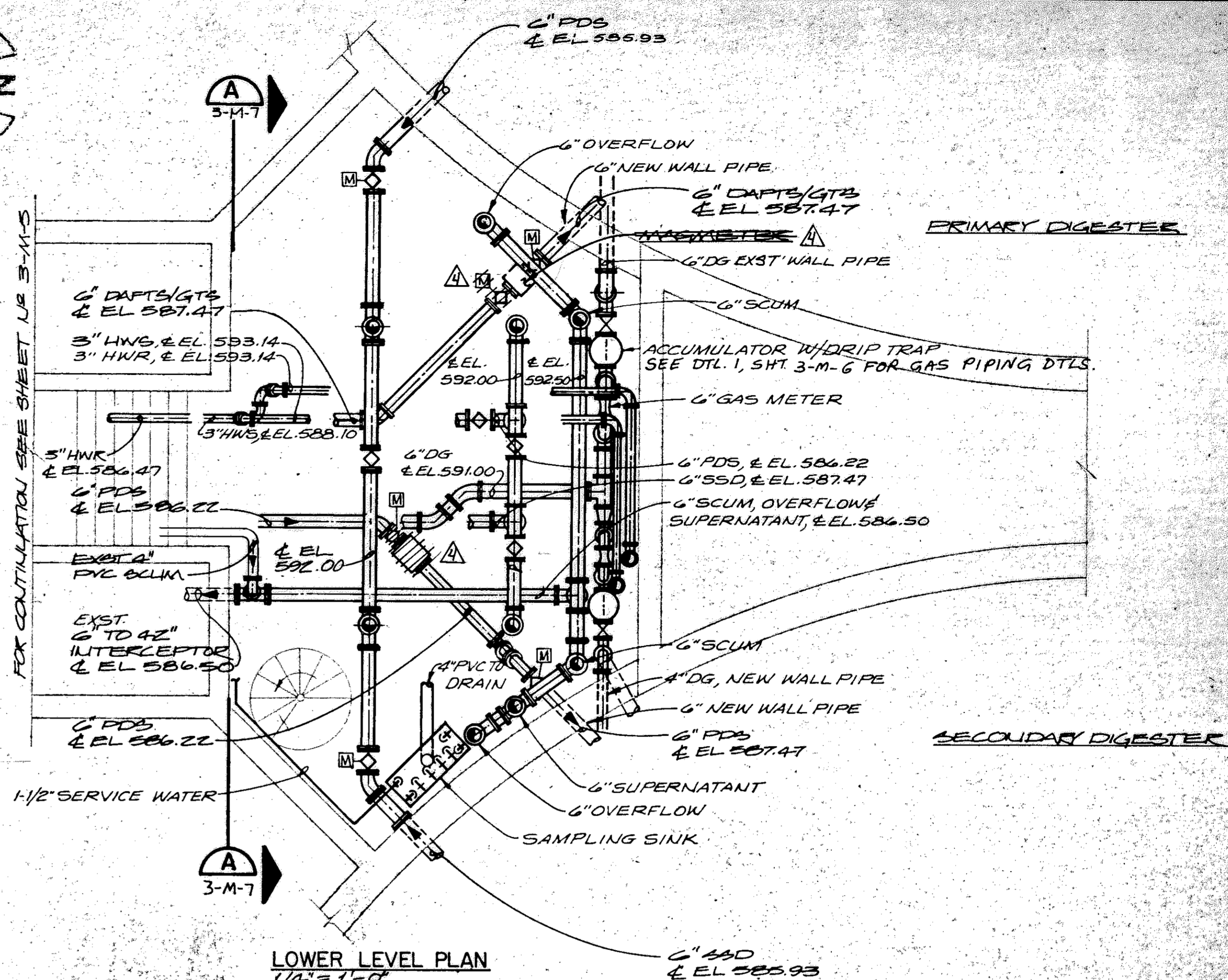
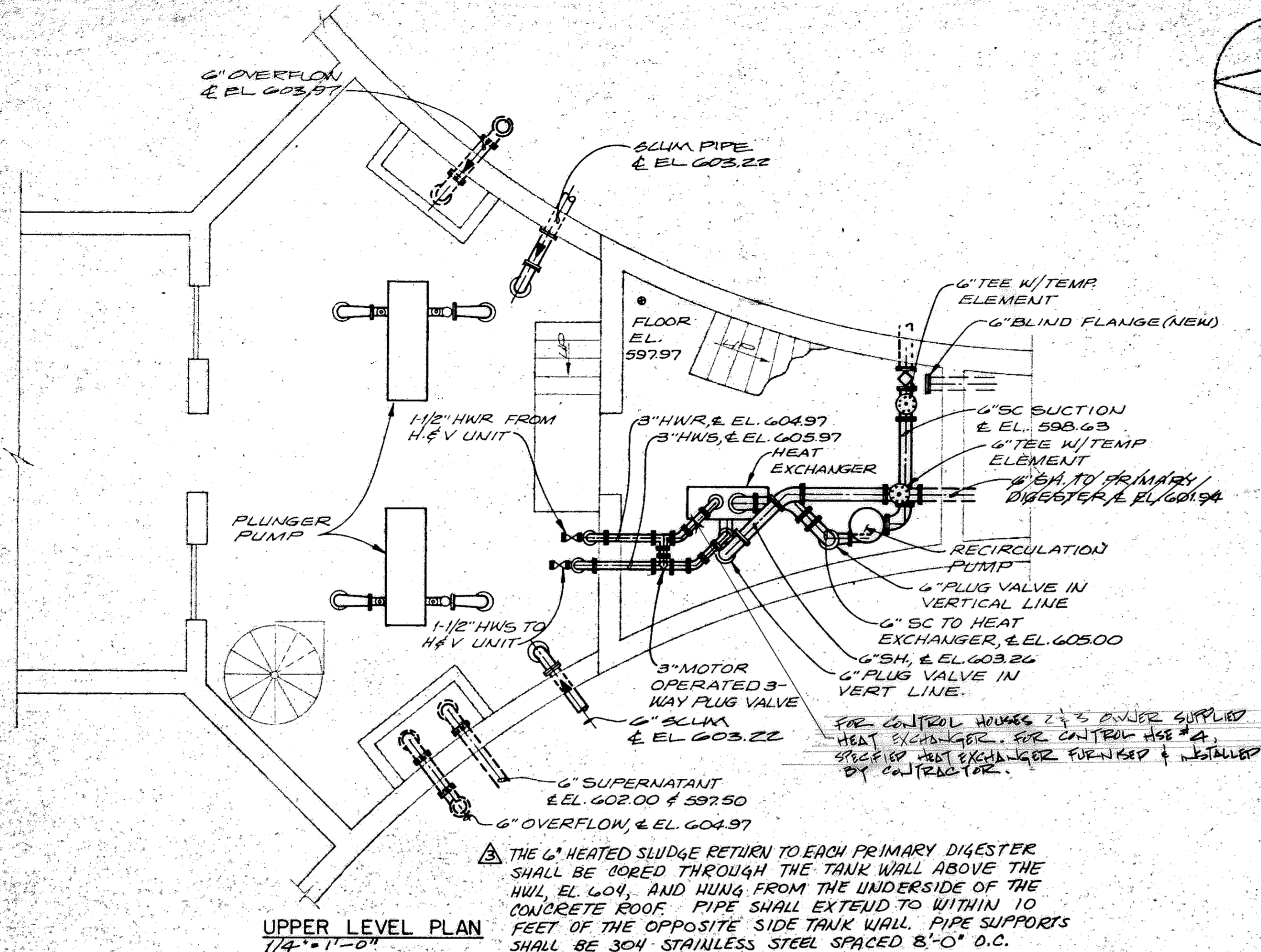
The City of Gary, Gary Sanitary District, Gary Storm Water Management District or their representative do not guarantee the accuracy, completeness, or timeliness of the information shown, and shall not be liable for any loss or injury resulting from reliance upon the information shown.



GARY SANITARY DISTRICT WASTE WATER TREATMENT PLANT



GARY SANITARY DISTRICT
 WASTE WATER TREATMENT PLANT
 WITH LABELED BUILDINGS
 DECEMBER 16, 2008
 SCALE 1" = 200'
 rev 0

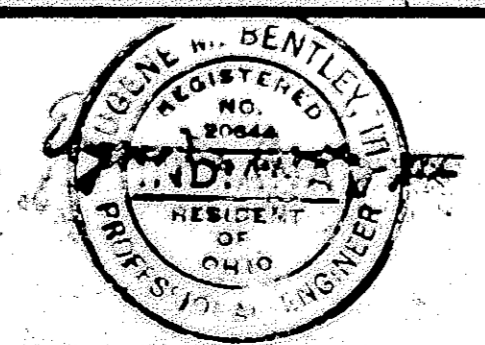


NOTE:
 FOR DIGESTER CONTROL CHAMBER PIPING SEE SKETCHES SK 7B & 7C IN LIST OF ATTACHMENTS
 FOR PIPING (PROCESS) SEE IS-BUILT DWGS. FOR CONTROL HOUSES 2 & 3 PREPARED BY J. HILDING JOHNSON

- SCHEDULE OF SAMPLING LINES**
- 1-1/2" DAFTS/GTS
 - 1-1/2" SCUM FROM PRIMARY
 - 1-1/2" SCUM FROM SECONDARY
 - 1-1/2" SUPERNATANT @ EL. 602.00
 - 1-1/2" SUPERNATANT @ EL. 597.50
 - 1-1/2" PDS
 - 1-1/2" SSD
 - 1-1/2" SERVICE WATER

OVERLAY IDENTIFICATION
 COMPOSITE
 OVERLAY
 SCREEN
 FILE NO.

APPROVALS
 DEPT. HEAD P.K. MATHAI 6/12/04
 PROJECT MGR. P.K. MATHAI 6/12/04
 GROUP HEAD DR. E.A. BENTLEY 6/12/04



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CLEVELAND
 ST. LOUIS
 ATLANTA
 MILWAUKEE
 DETROIT
 NASHVILLE
 HOUSTON
 WASHINGTON, D.C.
 NEW YORK CITY

PROJECT TITLE
GARY SANITARY DISTRICT
 GARY, INDIANA
ADDITIONS TO WASTEWATER TREATMENT PLANT

ISSUED DATE	DESCRIPTION
6/19/04	POSTED ADDENDA
6/19/04	DELETED MAGNETERS

SHEET TITLE
DIGESTER FACILITY
 EXISTING CONTROL HOUSES No. 2, 3, & 4
 NEW EQUIPMENT & PIPING
 PLANS, SECTION, & SCHEDULE

SCALE AS SHOWN
 DRAWN BY KAM/AM
 CHECKED BY M.P.
 DATE 6/12/04

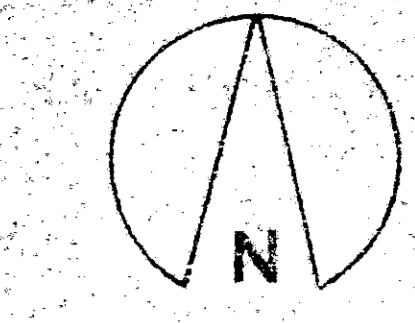
SHEET NO.
3-M-7
 PROJECT NO.
82-C

"RECORD DRAWING"

GARY SANITARY DISTRICT

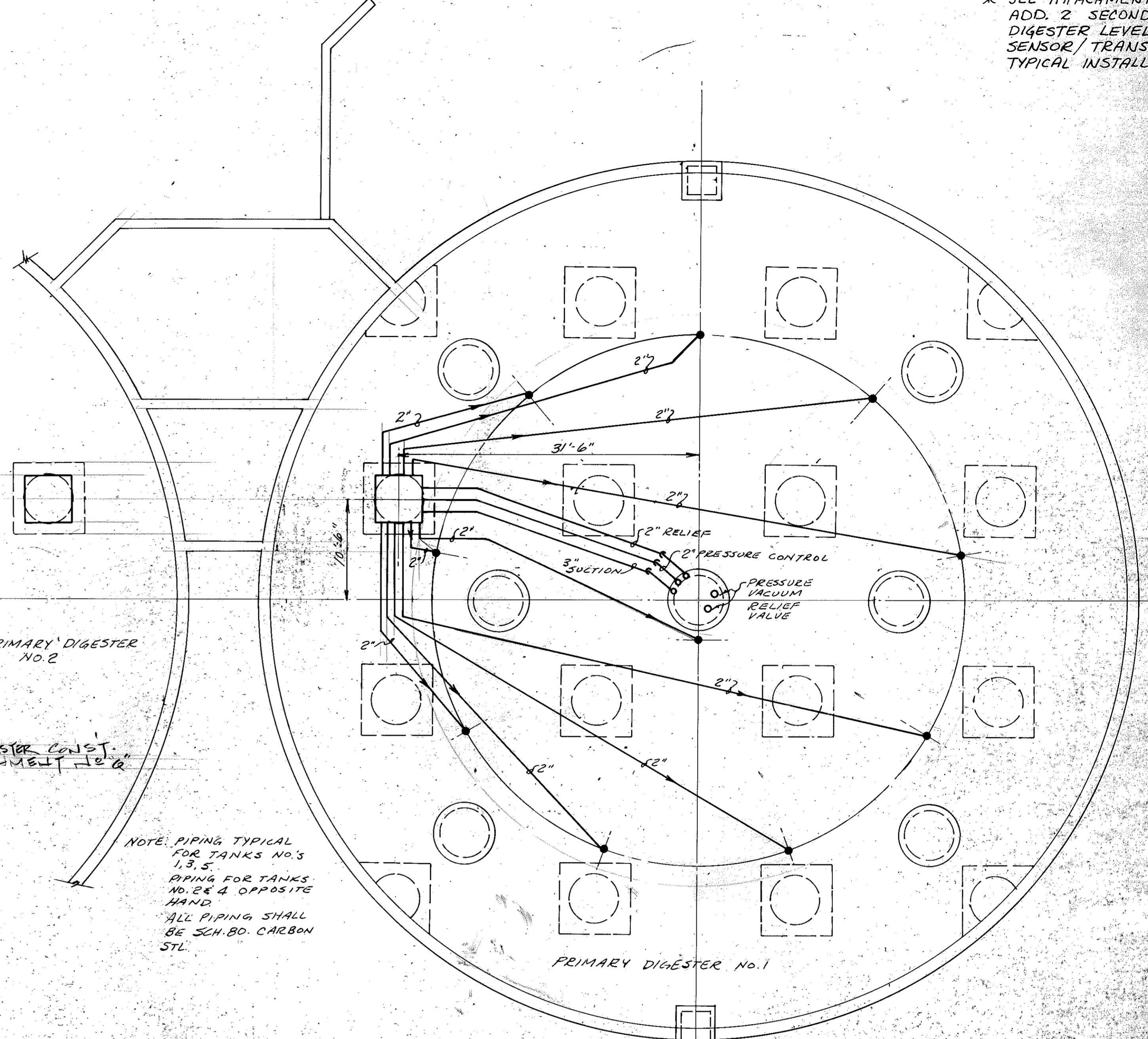
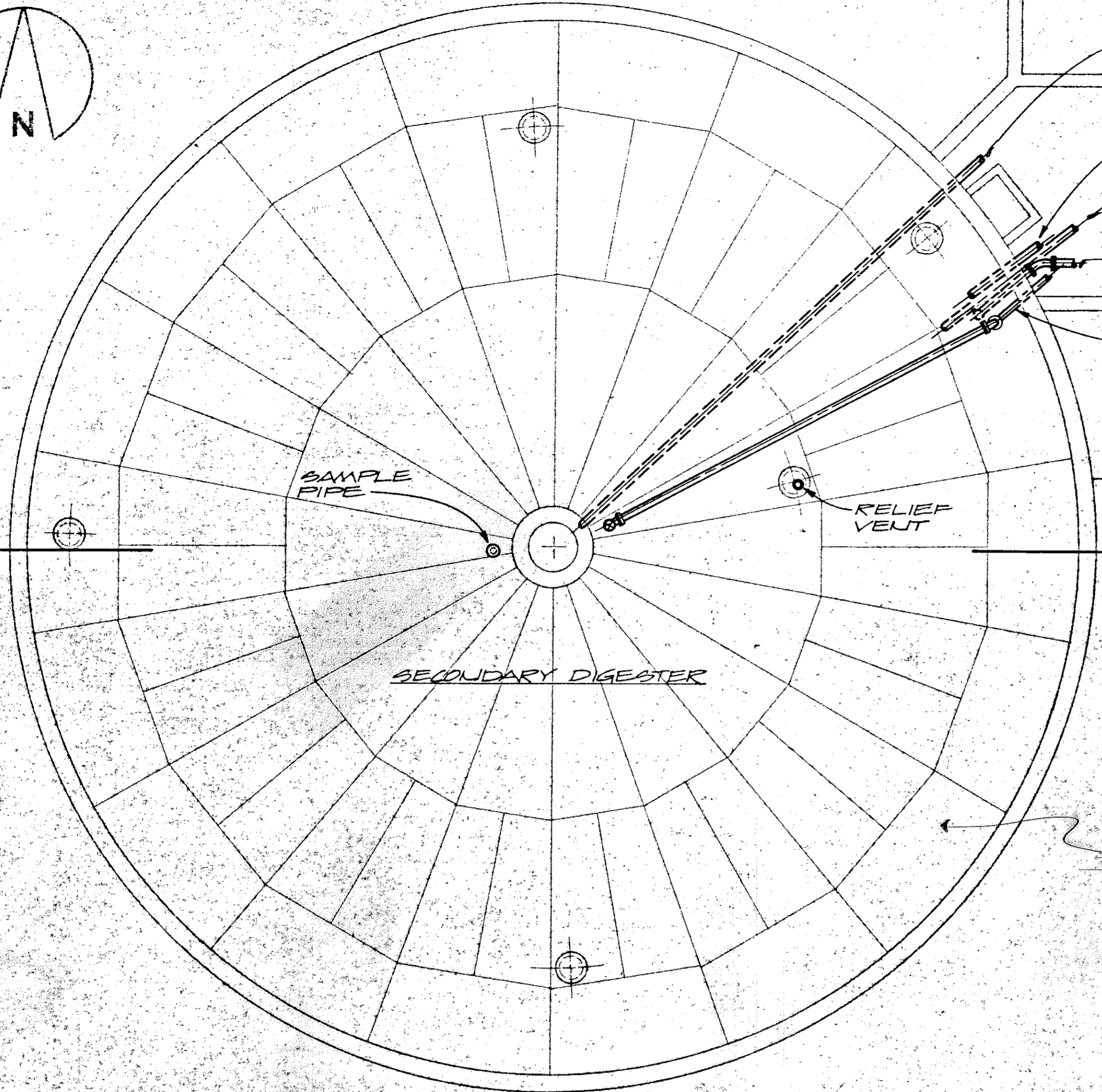
 DIRECTOR

* SEE ATTACHMENT NO. 6,
ADD. 2 SECONDARY
DIGESTER LEVEL
SENSOR/ TRANSMITTER
TYPICAL INSTALLATION.

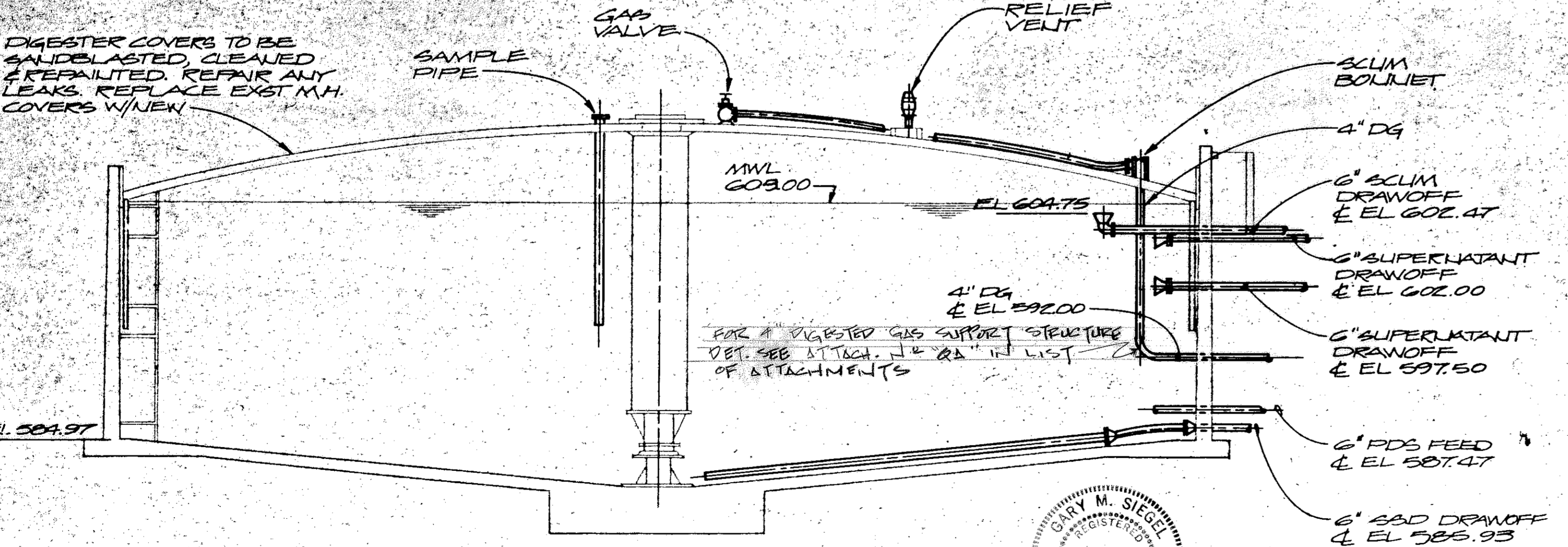


A
3-M-9

A
3-M-9

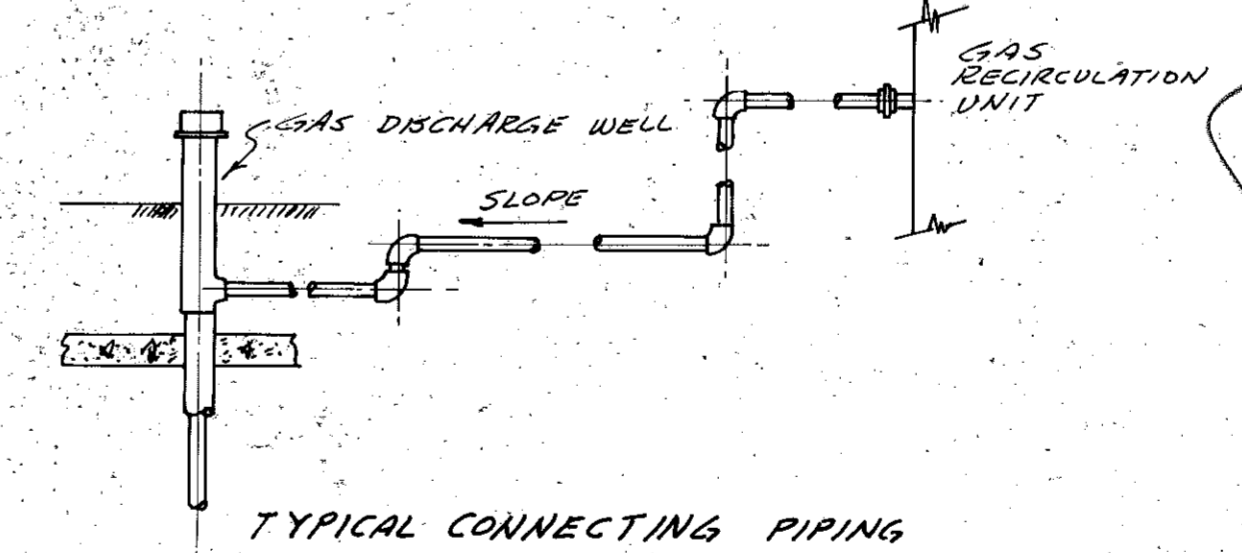


PLAN AT ROOF
1/8" = 1'-0"

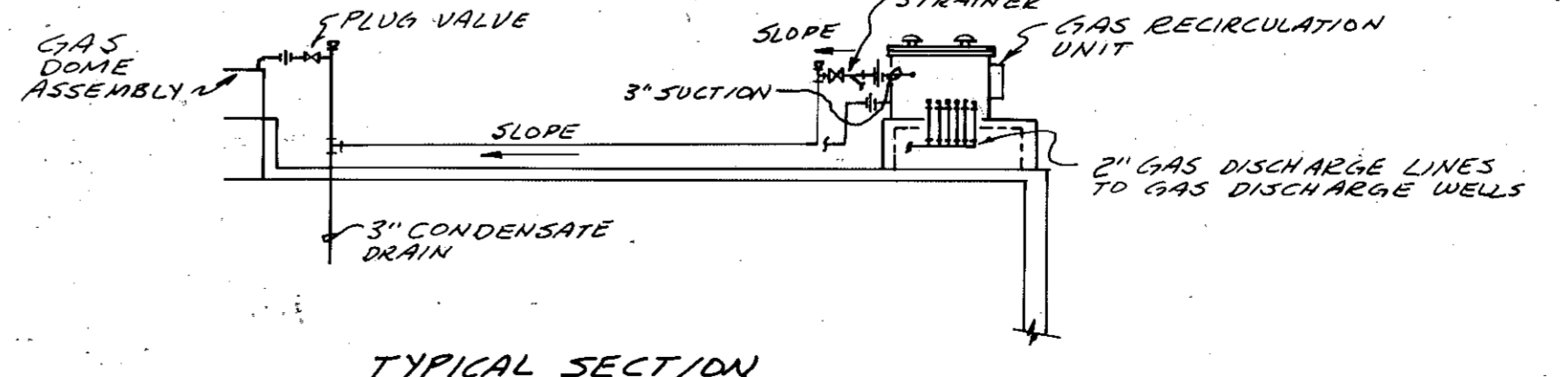
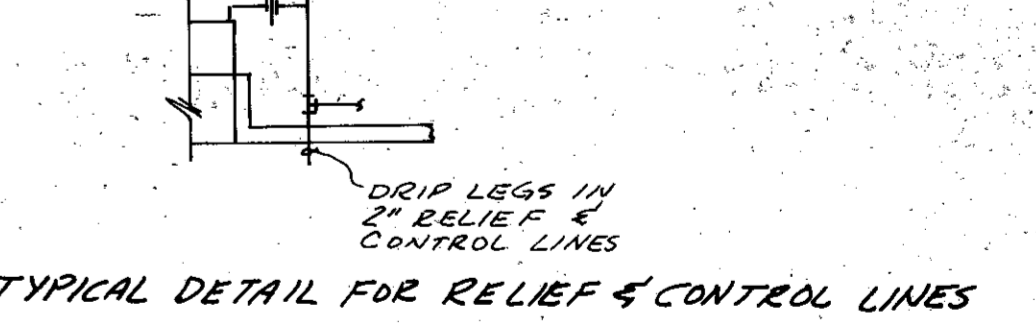


SECTION
1/8" = 1'-0"
A
3-M-9

NOTE: PIPING TYPICAL FOR TANKS NO'S 1, 3, 5.
PIPING FOR TANKS NO. 2'S & OPPOSITE HAND.
ALL PIPING SHALL BE SCH. 80. CARBON STL.



NOTE: FOR SECONDARY DIGESTER PIPING SEE ATTACHMENT NO. 62 (EJERS' SHEET NO. 512-6) IN LIST OF ATTACHMENTS



GARY SANITARY DISTRICT
DIRECTOR

"RECORD DRAWING"

OVERLAY IDENTIFICATION
 COMPOSITE M-1-4
 PROJ. ID 3-M-9
 COVER LAY B-7M-1
 SCREEN 3-M-9
 FILE NO. 3-M-9

	APPROVALS	
	DEPT. HEAD	P.K. MATHAI 6/12/84
	PROJECT MGR.	P.K. MATHAI 6/12/84
GROUP HEAD	DR. E.M. BEUTLEY 6/12/84	



POLYTECH, INC.
ENGINEERS • ARCHITECTS • PLANNERS

<input type="checkbox"/> CLEVELAND	<input type="checkbox"/> MILWAUKEE	<input type="checkbox"/> HOUSTON
<input type="checkbox"/> ST. LOUIS	<input type="checkbox"/> DETROIT	<input type="checkbox"/> WASHINGTON, D.C.
<input type="checkbox"/> ATLANTA	<input type="checkbox"/> NASHVILLE	<input type="checkbox"/> NEW YORK CITY

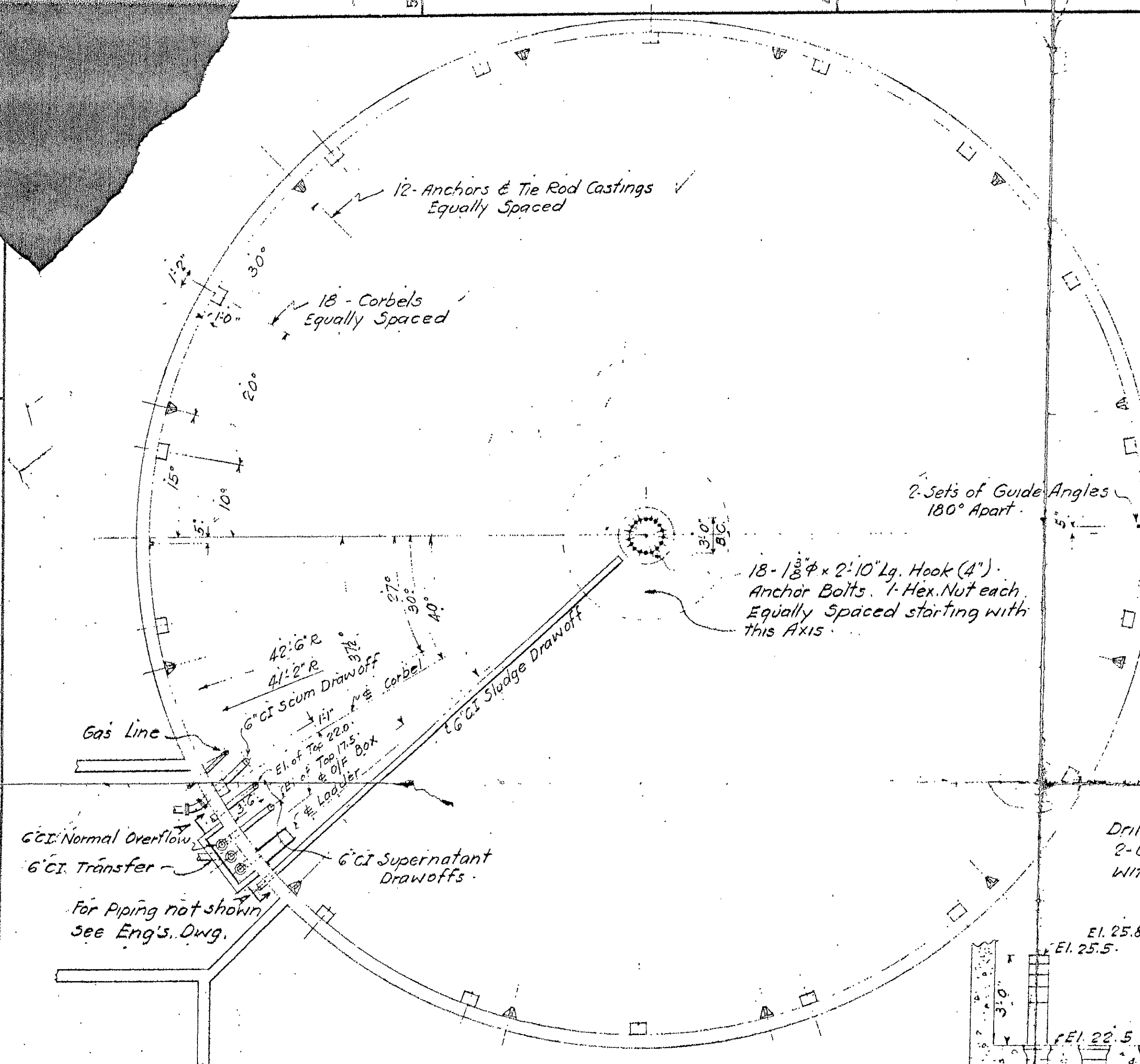
PROJECT TITLE
GARY SANITARY DISTRICT
GARY, INDIANA

ADDITIONS TO
WASTEWATER TREATMENT PLANT

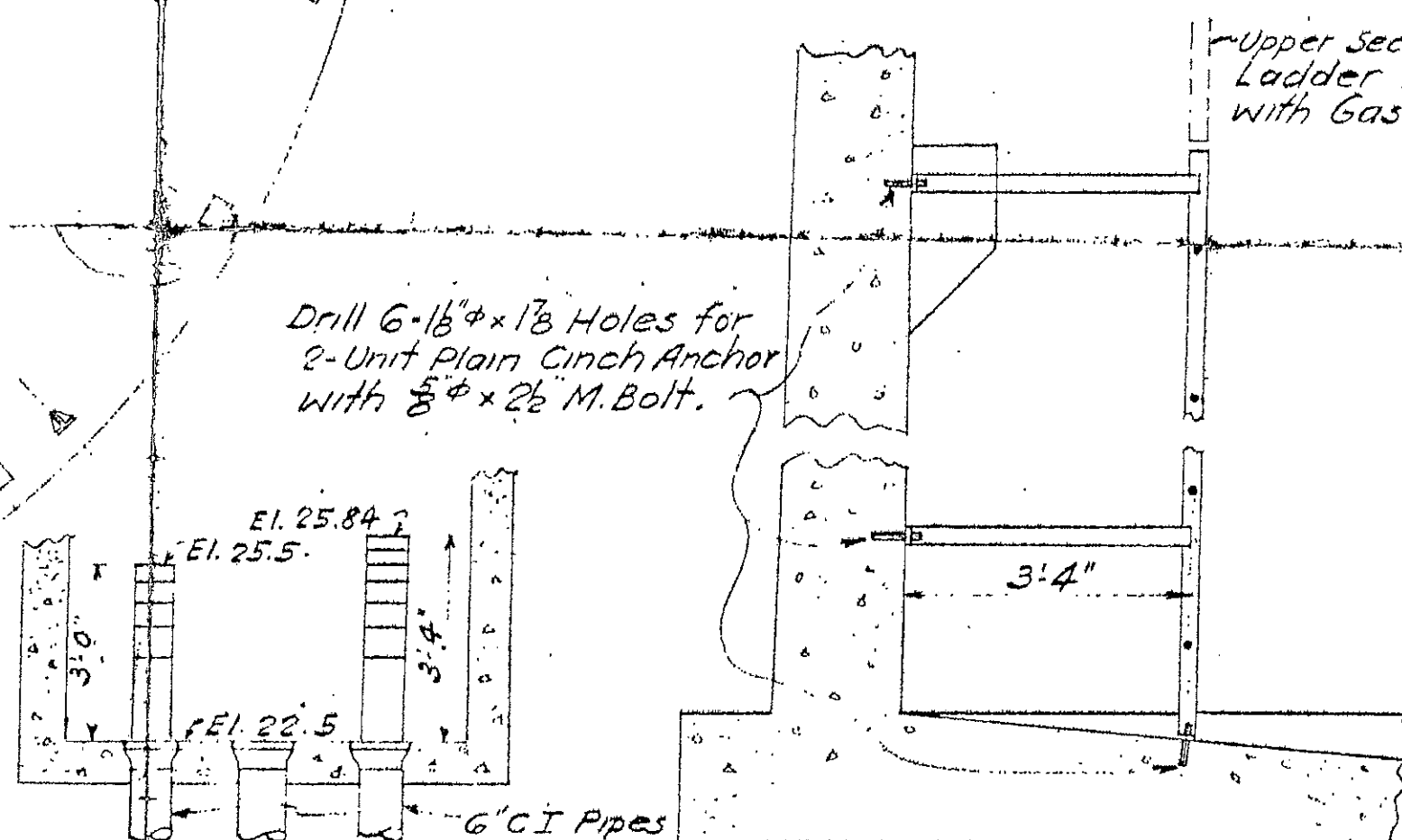
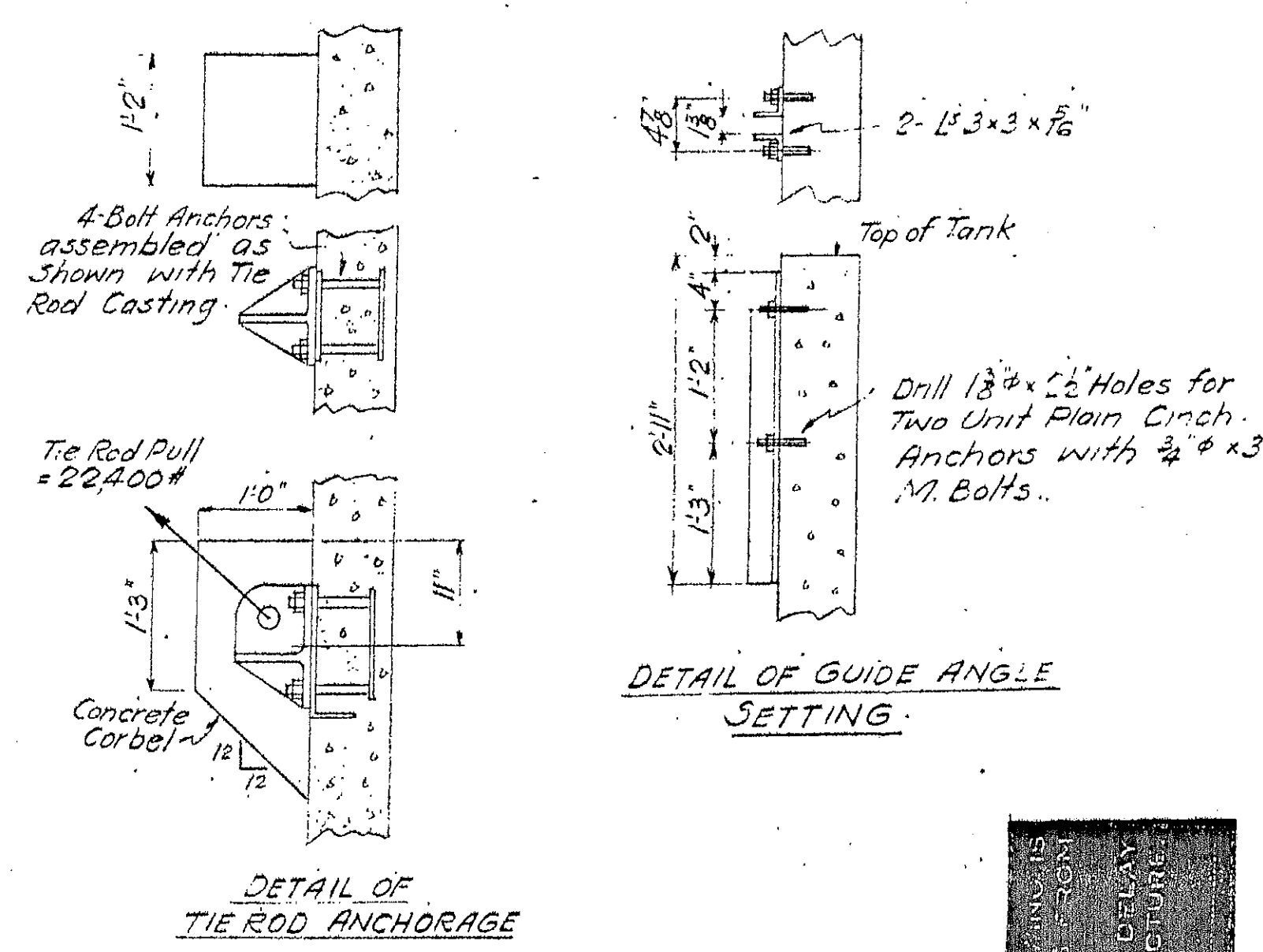
ISSUED DATE	DESCRIPTION
3-28-84	N/E REVISION APPENDUM NO. 3
6/19/84	POSTED ADDENDA

SHEET TITLE			
DIGESTER FACILITY EXISTING SECONDARY DIGESTERS NEW EQUIPMENT & PIPING PLAN & SECTION			
SCALE	DRAWN BY	CHECKED BY	DATE
AS LISTED	A.M.	M.F.	6/12/84

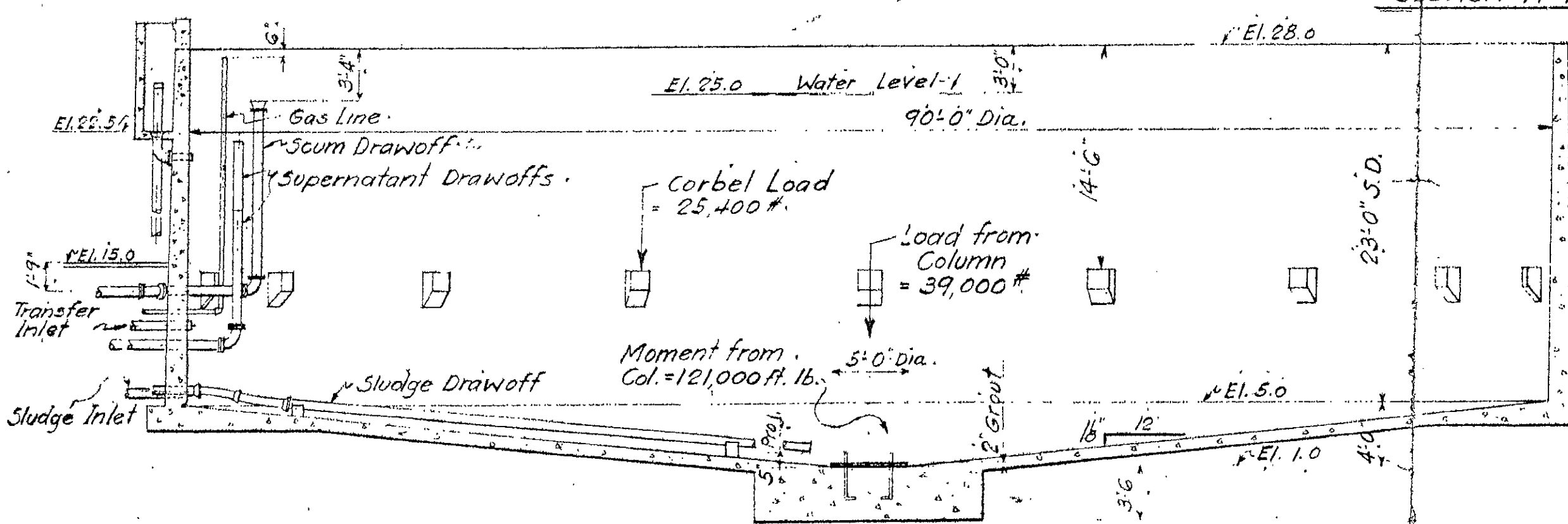
SHEET NO.	3-M-9
PROJECT NO.	82-C



PLAN



DETAIL OF LADDER



SECTIONAL ELEVATION

Note:

THE DORR CO. INC. does not assume any responsibility for the design of the concrete.

THE DORR CO. INC. furnishes:

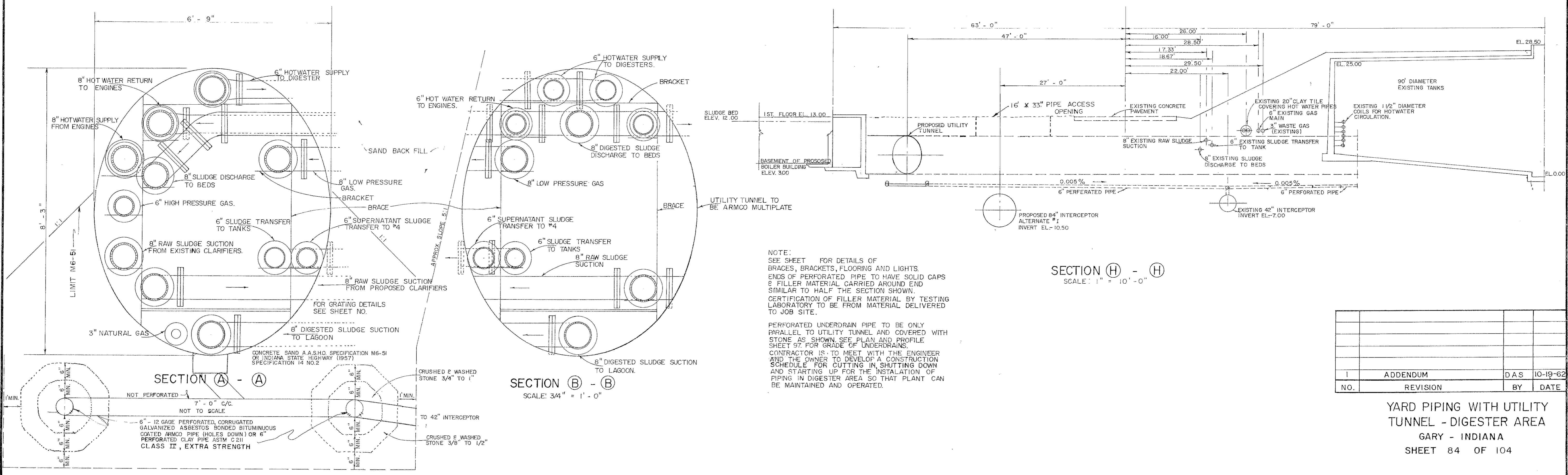
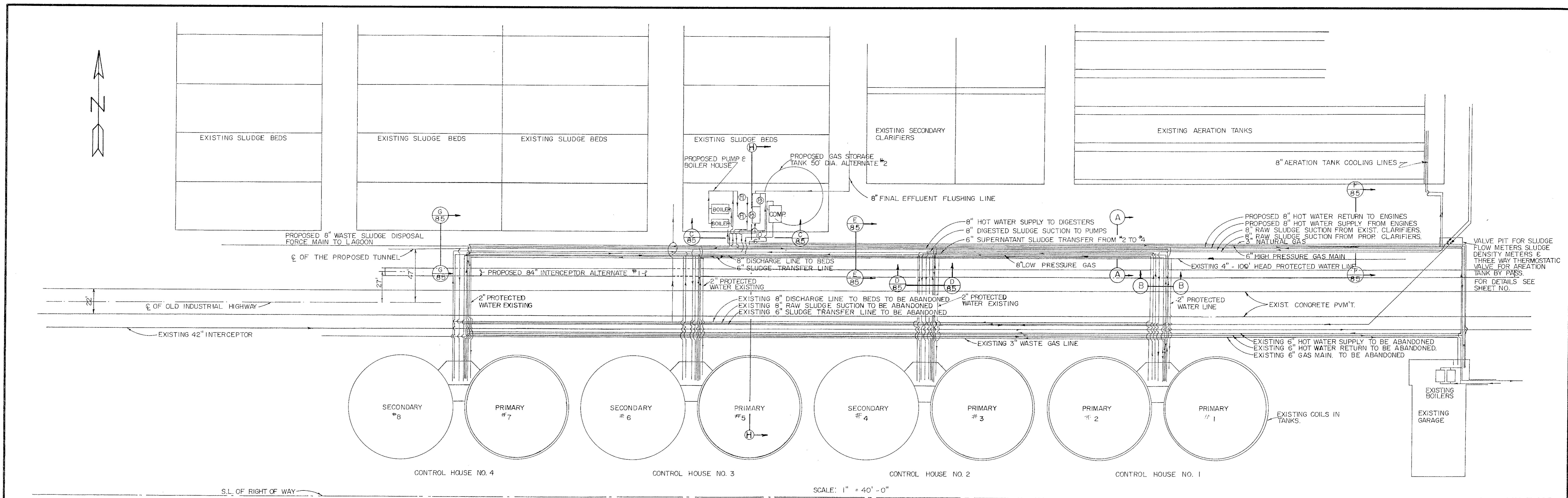
Gasholder, Columns with Anchor Bolts, Guide Angles, Tie Rod Anchors & Castings, Ladder and Cinch Anchors, Overflow Rings & Supports.

THE DORR CO. INC. does not furnish:

Concrete, Reinf. Steel, Piping, Valves, Oil or Grease for Lubrication, Wiring or Conduits between Motor, Controls and Alarms, or Electrical Equipment of any kind except as specified, nor Overflow Box Frame & Cover.

THIS DRAWING IS TO BE ISSUED IN 10 DAYS FROM DATE OF APPROVAL IN ORDER TO AVOID DELAY IN MANUFACTURE.

REVISIONS		NO.	DESCRIPTION	DATE	BY
<p>SENT TO</p> <p>HAGUE DENVER JAP. AUST. BRAL. CHIC. TOR. L.A.</p> <p>APPROVED</p> <p>CHECKED</p> <p>TRACED</p> <p>DRAWN</p> <p>DATE</p> <p>BY</p>					
<p>5-19-39 FEH.</p> <p>5-23-39 FL</p> <p>5-23-39 FL</p> <p>5-23-39 FL</p>					
<p>TON ORDER</p> <p>15977</p>					
<p>TYPE B</p> <p>SCALE 8" = 12"</p>					
<p>Concrete Drawing of Secondary</p> <p>90' 0" Dia. x 23' 0" S.D. Tank</p>					
<p>TITLE</p> <p>THE DORR MULTIDIGESTION SYSTEM</p>					
<p>ENGINEERS</p> <p>THE DORR COMPANY INC.</p> <p>ENGINEERING DEPARTMENT NEW YORK</p>					
<p>ISSUED</p> <p>ORDER NO.</p> <p>25327</p> <p>17367</p>					
<p>REQUIREMENTS FOR ONE MACHINE ONLY</p>					



NOTE:
 SEE SHEET FOR DETAILS OF BRACES, BRACKETS, FLOORING AND LIGHTS.
 ENDS OF PERFORATED PIPE TO HAVE SOLID CAPS & FILLER MATERIAL CARRIED AROUND END SIMILAR TO HALF THE SECTION SHOWN.
 CERTIFICATION OF FILLER MATERIAL BY TESTING LABORATORY TO BE FROM MATERIAL DELIVERED TO JOB SITE.

PERFORATED UNDERDRAIN PIPE TO BE ONLY PARALLEL TO UTILITY TUNNEL AND COVERED WITH STONE AS SHOWN. SEE PLAN AND PROFILE SHEET 97 FOR GRADE OF UNDERDRAINS.
 CONTRACTOR IS TO MEET WITH THE ENGINEER AND THE OWNER TO DEVELOP A CONSTRUCTION SCHEDULE FOR CUTTING IN, SHUTTING DOWN AND STARTING UP FOR THE INSTALLATION OF PIPING IN DIGESTER AREA SO THAT PLANT CAN BE MAINTAINED AND OPERATED.

DESIGNED BY DATE CHECKED BY DATE IN CHARGE
 H.R./D.S.S. 9/25 H.R./J.H. 9/25 V.I.C.

NO.	REVISION	BY	DATE
1	ADDENDUM	D.A.S.	10-19-62

YARD PIPING WITH UTILITY TUNNEL - DIGESTER AREA
 GARY - INDIANA
 SHEET 84 OF 104



right solutions.
right partner.

November 19, 2024

BOB THEODOROU
Gary Sanitary District
3600 WEST 3RD AVENUE
GARY, IN 46404

Work Order: **HN2408987**

Re: **Digester #4**

Dear BOB,

Enclosed are the results of the sample(s) submitted to our laboratory.

The analytical data provided relates to the samples received by ALS Environmental and for the analysis requested.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Brian Grzan

/S/ BRIAN GRZAN

Project Manager



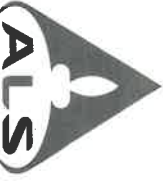
Sample Receipt Information

SAMPLE SUMMARY



Client: Gary Sanitary District
Project: Digester #4
Workorder: HN2408987

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2408987-001	Sludge #4	SOIL/SOLID	11/07/24 13:30	11/08/24 13:00



Cincinnati, OH
+1 513 733 5336
Fort Collins, CO
+1 970 490 1511
Holland, MI
+1 616 399 6070
Everett, WA
+1 425 356 2600

Chain of Custody Form

Houston, TX
+1 281 530 5656
Spring City, PA
+1 610 948 4903
South Charleston, WV
+1 304 356 3168
Middletown, PA
+1 717 944 5541
Salt Lake City, UT
+1 801 266 7700
York, PA
+1 717 505 5280

Page 1 of 1

COC ID: 42331

Customer Information

Project Information

Parameter/Method Request for Analysis

Purchase Order: 77345
Project Name: DIGESTER # 4
Project Number: A
Company Name: GSD
Bill To Company: B
Send Report To: Bob Treveron
Invoice Attn: C
Address: D
City/State/Zip: E
Phone: F
Fax: G
e-Mail Address: H
e-Mail Address: I
e-Mail Address: J

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J
1	Sludges # 4	11/2/24	1330	SL	None	1	X									
2																
3																
4																
5																
6																
7																
8																
9																
10																

Requisitioned by: *[Signature]* Date: 11/8/24 Time: 0827
 Relinquished by: *[Signature]* Date: 11/8/24 Time: 1300
 Logged by (Laboratory): *[Signature]* Date: 11/8/24 Time: 1630
 Preservative Key: 1-HCl 2-HNO₃ 3-H₂SO₄ 4-NaOH 5-Na₂S₂O₃ 6-NaHSO₄ 7-Other 8-4°C 9-5035

Shipment Method: 10 BD 5 BD 3 BD 2 BD 1 BD

Turnaround Time in Business Days (BD): 10 BD 5 BD 3 BD 2 BD 1 BD

Received by: *[Signature]* Date: 11/8/24 Time: 1300
 Checked by (Laboratory): *[Signature]*

Notes: Cooler ID: D62 Cooler Temp: 1.8°C
 QC Package: (Check One Box Below)
 Level II Std QC TRRP Checklist
 Level III Std QC/Raw Date TRRP Level IV
 Level IV SW846/CLP Other

Environmental Division
 Holland
 Work Order Reference
 HN2408987
 Telephone: +1 616 399 6070

Results Due Date:

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
 3. The Chain of Custody is a legal document. All information must be completed accurately.

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ALS Holland Sample Receiving Checklist

Received by: Diane F. Shaw

Date/Time: 11/8/24 1305

Carrier Name: ALS

Shipping container/cooler in good condition? Yes / No / Not Present

Custody seals intact on shipping container/cooler? Yes / No Not Present

Custody seals intact on sample bottles? Yes / No Not Present

Chain of Custody present? Yes / No

COC signed when relinquished and received? Yes / No

COC agrees with sample labels? Yes / No

Samples in proper container/bottle? Yes / No

Sample containers intact? Yes / No

Sufficient sample volume for indicated test? Yes / No

All samples received within holding time? Yes / No

Container/Temp Blank temperature in compliance? Yes / No

Temperature(s) (°C): 1.8 / 1.8 °C

Thermometer(s): DF2

Sample(s) received on ice? Yes / No

Matrix/Matrices: Sludge

Cooler(s)/Kit(s): 1

Date/Time sample(s) sent to storage: 11/8/24 1630

Water – VOA vials have zero headspace? Yes / No / No Vials

Water – pH acceptable upon receipt? Yes / No / N/A

pH strip lot #: _____ < 2 _____ > 12 _____ Other _____

pH adjusted (note adjustments below)? Yes / No / N/A

pH adjusted by: _____

Login Notes:



Sample Results



Metals

Analytical Report

Client: Gary Sanitary District
Project: Digester #4
Sample Matrix: SOIL/SOLID

Work Order: HN2408987
Date Collected: 11/07/24 13:30
Date Received: 11/08/24 13:00

Sample Name: Sludge #4
Laboratory Code: HN2408987-001

Metals

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic	EPA 6020B	19.9 J	mg/kg	28.9	3.47	10	11/12/24 19:59	11/12/24 05:56	
Cadmium	EPA 6020B	3.31 J	mg/kg	11.6	1.74	10	11/12/24 19:59	11/12/24 05:56	
Chromium	EPA 6020B	76.1	mg/kg	28.9	12.7	10	11/12/24 19:59	11/12/24 05:56	
Copper	EPA 6020B	493	mg/kg	28.9	28.9	10	11/12/24 19:59	11/12/24 05:56	
Lead	EPA 6020B	93.8	mg/kg	28.9	13.9	10	11/12/24 19:59	11/12/24 05:56	
Mercury	EPA 7471B	1.14	mg/kg	0.181	0.123	1	11/12/24 14:51	11/11/24 16:03	
Molybdenum	EPA 6020B	15.2 J	mg/kg	28.9	5.67	10	11/12/24 19:59	11/12/24 05:56	
Nickel	EPA 6020B	34.1	mg/kg	28.9	15.0	10	11/12/24 19:59	11/12/24 05:56	
Potassium	EPA 6020B	1200	mg/kg	1160	486	10	11/12/24 19:59	11/12/24 05:56	
Selenium	EPA 6020B	<26.6 U	mg/kg	28.9	26.6	10	11/12/24 19:59	11/12/24 05:56	
Zinc	EPA 6020B	1580	mg/kg	498	488	100	11/15/24 18:02	11/14/24 13:49	



General Chemistry

Analytical Report

Client: Gary Sanitary District
Project: Digester #4
Sample Matrix: SOIL/SOLID
Sample Name: Sludge #4
Laboratory Code: HN2408987-001

Work Order: HN2408987
Date Collected: 11/07/24 13:30
Date Received: 11/08/24 13:00

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Percent Moisture	EPA 3550C	89.8	%	0.1	0.1	1	11/12/24 20:58	NA	



right solutions.
right partner.

October 14, 2024

BOB THEODOROU
Gary Sanitary District
3600 WEST 3RD AVENUE
GARY, IN 46404

Work Order: **HN2407337**

Re: **PCB Solids**

Dear BOB,

Enclosed are the results of the sample(s) submitted to our laboratory.

The analytical data provided relates to the samples received by ALS Environmental and for the analysis requested.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Brian Grzan

/S/ BRIAN GRZAN

Project Manager



Narrative Documents



Client: Gary Sanitary District
Project: PCB Solids

Work Order: HN2407337
Date Received: 04-Oct-2024

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt

2 soil/solid samples were received for analysis at ALS Environmental on 04-Oct-2024. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting limits.

For a full listing of sample results, continue to the Sample Results section of this Report.



CLIENT ID: PCB-Digester #4 South	Lab ID: HN2407337-001
---	------------------------------

Analyte	Results	Flag	MDL	MRL	Units	Method
Aroclor 1242	11100		3090	9020	µg/kg	EPA 8082A
Percent Moisture	91.0		0.1	0.1	%	EPA 3550C
Total PCB	11100		2520	9020	µg/kg	EPA 8082A

CLIENT ID: PCB-Digester #4 West	Lab ID: HN2407337-002
--	------------------------------

Analyte	Results	Flag	MDL	MRL	Units	Method
Aroclor 1242	7160	J	3440	10000	µg/kg	EPA 8082A
Percent Moisture	90.3		0.1	0.1	%	EPA 3550C



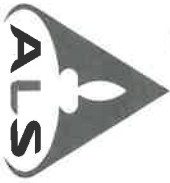
Sample Receipt Information

SAMPLE SUMMARY



Client: Gary Sanitary District
Project: PCB Solids
Workorder: HN2407337

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2407337-001	PCB-Digester #4 South	SOIL/SOLID	10/03/24 09:30	10/04/24 13:30
HN2407337-002	PCB-Digester #4 West	SOIL/SOLID	10/03/24 09:30	10/04/24 13:30



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Everett, WA
+1 425 356 2600

Fort Collins, CO
+1 970 490 1511
Holland, MI
+1 616 399 6070

Chain of Custody Form

Houston, TX
+1 281 530 5656
Middletown, PA
+1 717 944 5541

Spring City, PA
+1 610 948 4903
Sate Lake City, UT
+1 801 266 7700

South Charleston, WV
+1 304 356 3168
York, PA
+1 717 505 5280

Page _____ of _____

COC ID: **43932**

ALS Project Manager:

ALS Work Order #:

Customer Information

Project Information

Parameter/Method Request for Analysis

Purchase Order

Project Name

Digester Sludge

PCBs

Work Order

Project Number

Company Name

Bill To Company

Send Report To

Invoice Attn

Address

Address

City/State/Zip

City/State/Zip

Phone

Phone

Fax

Fax

e-Mail Address

e-Mail Address

Environmental Division
Holland
Work Order Reference
HN2407337



Telephone : + 1 616 399 6070

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	PCB-Digester #4	10-3-24	9:30am	Sludge		1	X										
2	50 OFFIN																
3																	
4	PCB-Digester #4	10-3-24	9:30am	Sludge		1	X										
5	WEST																
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign

Relinquisher: *Paul's Perceval* **Date:** 10/03/24 **Time:** 1:30pm
Received by: *Michelle Jones*
Relinquished by: *Michelle Jones* **Date:** 10-3-24 **Time:** 1:30
Received by (Laboratory): *Michelle Jones*
Logged by (Laboratory): *Michelle Jones* **Date:** 10/18/24 **Time:** 1000

Shipment Method: 10 BD 5 BD 3 BD 2 BD 1 BD

Turnaround Time in Business Days (BD): 10 BD 5 BD 3 BD 2 BD 1 BD

Results Due Date: _____

Notes: Rec'd 10/14/24 1330

QC Packages (Check One Box Below):
 Level II Std QC TRRP Checklist
 Level III Std QC/Raw Date TRRP Level IV
 Level IV SW/846/CLP Other _____

Preservative Key: 1-HCl 2-HNO₃ 3-H₂SO₄ 4-NAOH 5-Na₂S₂O₃ 6-NaHSO₄ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
 3. The Chain of Custody is a legal document. All information must be completed accurately.

RECEIVED: *Michelle Jones* 10/14/24 830
 RECEIVED: *Michelle Jones* 10/14/24 830
 RECEIVED: *Michelle Jones* 10/14/24 830
 RECEIVED: *Michelle Jones* 10/14/24 830



ALS Holland Sample Receiving Checklist

Received by: Diane F. Shaw

Date/Time: 10/4/24 1330

Carrier Name: ACS

Shipping container/cooler in good condition? Yes / No / Not Present

Custody seals intact on shipping container/cooler? Yes / No / Not Present

Custody seals intact on sample bottles? Yes / No / Not Present

Chain of Custody present? Yes / No

COC signed when relinquished and received? Yes / No

COC agrees with sample labels? Yes / No

Samples in proper container/bottle? Yes / No

Sample containers intact? Yes / No

Sufficient sample volume for indicated test? Yes / No

All samples received within holding time? Yes / No

Container/Temp Blank temperature in compliance? Yes / No

Temperature(s) (°C): 2.5 / 3.5 ±

Thermometer(s): IR3

Sample(s) received on ice? Yes / No

Matrix/Matrices: Sludge

Cooler(s)/Kit(s): 1

Date/Time sample(s) sent to storage: 10/8/24 1015

Water – VOA vials have zero headspace? Yes / No / No Vials

Water – pH acceptable upon receipt? Yes / No / N/A

pH strip lot #: _____ < 2 _____ > 12 _____ Other _____

pH adjusted (note adjustments below)? Yes / No / N/A

pH adjusted by: _____

Login Notes:



Miscellaneous Forms

REPORT QUALIFIERS AND DEFINITIONS

*	Value exceeds Regulatory Limit (if MCL displayed)
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
NC	Not Calculated
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
V	The Continuing Calibration Verification was outside of control criteria
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Holland Laboratory Certifications¹

Agency	Type	ID	Issued	Expires
Alabama	Drinking Water (Secondary)	42500	1/1/2024	12/31/2024
Colorado	UST		6/21/2024	6/30/2025
Connecticut	Drinking Water (Secondary)	PH-0155	1/23/2023	12/31/2024
Florida	NELAP (Primary)	E871106	7/1/2024	6/30/2025
Illinois	NELAP (Secondary)	200076	12/14/2023	12/31/2024
Indiana	Drinking Water (Secondary)	C-MI-08	4/4/2024	9/4/2026
Iowa	State Specific	403	9/18/2023	9/1/2025
Kansas	NELAP (Secondary)	E-10411	7/09/2024	7/31/2025
Kentucky	Waste Water	KY98004	12/5/2023	12/31/2024
Kentucky	UST	120474	6/24/24	6/30/2025
Michigan	Drinking Water (Primary)	0022	12/19/2023	9/4/2026
Minnesota	NELAP (Secondary)	026-999-449	12/29/2023	12/31/2024
New Jersey	NELAP (Secondary)	MI015	7/1/2024	6/30/2025
New York	Drinking Water (Secondary)	12128	3/29/2024	4/1/2025
North Dakota	State Specific	R-192	9/12/2023	6/30/2024
Ohio	Drinking Water (Secondary)	87783	7/1/2024	6/30/2025
Pennsylvania	NELAP (Secondary)	68-03827	6/14/2024	7/31/2025
Texas	NELAP (Secondary)	T104704494	2/1/2024	1/31/2025
USDA	Domestic CA	Soil-MI-007	8/21/2023	2/18/2025
USDA	Soil Import	P330-19-00039	3/3/2023	3/3/2026
West Virginia	State Specific	355	6/24/2024	8/31/2025
Wisconsin	State Specific	399084510	8/15/2024	8/31/2025

¹ - Scope available upon request

ANALYST SUMMARY



Client: Gary Sanitary District
Project: PCB Solids

Work Order: HN2407337

Sample Name: PCB-Digester #4 South
Laboratory Code: HN2407337-001
Sample Matrix: SOIL/SOLID

Date Collected: 10/03/24
Date Received: 10/04/24

Analysis Method	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C	1695876		2639331	Ethan Cramer
EPA 8082A	1700909	Gwen Pickering	2652873	Rick Makowski

Sample Name: PCB-Digester #4 West
Laboratory Code: HN2407337-002
Sample Matrix: SOIL/SOLID

Date Collected: 10/03/24
Date Received: 10/04/24

Analysis Method	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C	1695876		2639331	Ethan Cramer
EPA 8082A	1700909	Gwen Pickering	2652873	Rick Makowski



Sample Results



Organics

Analytical Report

Client: Gary Sanitary District
Project: PCB Solids
Sample Matrix: SOIL/SOLID
Sample Name: PCB-Digester #4 South
Lab Code: HN2407337-001

Work Order: HN2407337
Date Collected: 10/03/24 09:30
Date Received: 10/04/24 13:30

Units: µg/kg

Semivolatile Organic Compounds by GC

Analysis Method: EPA 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	<3090 U	9020	3090	1	10/10/24 15:27	10/10/24 08:11	
Aroclor 1221	<3090 U	9020	3090	1	10/10/24 15:27	10/10/24 08:11	
Aroclor 1232	<3090 U	9020	3090	1	10/10/24 15:27	10/10/24 08:11	
Aroclor 1242	11100	9020	3090	1	10/10/24 15:27	10/10/24 08:11	
Aroclor 1248	<3090 U	9020	3090	1	10/10/24 15:27	10/10/24 08:11	
Aroclor 1254	<2520 U	9020	2520	1	10/10/24 15:27	10/10/24 08:11	
Aroclor 1260	<2520 U	9020	2520	1	10/10/24 15:27	10/10/24 08:11	
Aroclor 1262	<2520 U	9020	2520	1	10/10/24 15:27	10/10/24 08:11	
Aroclor 1268	<2520 U	9020	2520	1	10/10/24 15:27	10/10/24 08:11	
Total PCB	11100	9020	2520	1	10/10/24 15:27	10/10/24 08:11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	116	68 - 137	10/10/24 15:27	
Tetrachloro-m-xylene	106	71 - 126	10/10/24 15:27	

Analytical Report

Client: Gary Sanitary District
Project: PCB Solids
Sample Matrix: SOIL/SOLID
Sample Name: PCB-Digester #4 West
Lab Code: HN2407337-002

Work Order: HN2407337
Date Collected: 10/03/24 09:30
Date Received: 10/04/24 13:30

Units: µg/kg

Semivolatile Organic Compounds by GC

Analysis Method: EPA 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	<3440 U	10000	3440	1	10/10/24 17:37	10/10/24 08:11	
Aroclor 1221	<3440 U	10000	3440	1	10/10/24 17:37	10/10/24 08:11	
Aroclor 1232	<3440 U	10000	3440	1	10/10/24 17:37	10/10/24 08:11	
Aroclor 1242	7160 J	10000	3440	1	10/10/24 17:37	10/10/24 08:11	
Aroclor 1248	<3440 U	10000	3440	1	10/10/24 17:37	10/10/24 08:11	
Aroclor 1254	<2800 U	10000	2800	1	10/10/24 17:37	10/10/24 08:11	
Aroclor 1260	<2800 U	10000	2800	1	10/10/24 17:37	10/10/24 08:11	
Aroclor 1262	<2800 U	10000	2800	1	10/10/24 17:37	10/10/24 08:11	
Aroclor 1268	<2800 U	10000	2800	1	10/10/24 17:37	10/10/24 08:11	
Total PCB	<2800 U	10000	2800	1	10/10/24 17:37	10/10/24 08:11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	113	68 - 137	10/10/24 17:37	
Tetrachloro-m-xylene	106	71 - 126	10/10/24 17:37	



General Chemistry

Analytical Report

Client: Gary Sanitary District

Project: PCB Solids

Sample Matrix: SOIL/SOLID

Work Order: HN2407337

Date Collected: 10/03/24 09:30

Date Received: 10/04/24 13:30

Sample Name: PCB-Digester #4 South

Laboratory Code: HN2407337-001

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Percent Moisture	EPA 3550C	91.0	%	0.1	0.1	1	10/08/24 19:10	NA	

Analytical Report

Client: Gary Sanitary District
Project: PCB Solids
Sample Matrix: SOIL/SOLID
Sample Name: PCB-Digester #4 West
Laboratory Code: HN2407337-002

Work Order: HN2407337
Date Collected: 10/03/24 09:30
Date Received: 10/04/24 13:30

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Percent Moisture	EPA 3550C	90.3	%	0.1	0.1	1	10/08/24 19:10	NA	



QC Summary Forms



Organics

QA/QC Report

Client: Gary Sanitary District
Project: PCB Solids
Sample Matrix: SOIL/SOLID

Work Order: HN2407337

SURROGATE RECOVERY SUMMARY Semivolatile Organic Compounds by GC

Analysis Method: EPA 8082A
Extraction Method: EPA 3546

Analysis Lab Lot: 2652873

Sample Name	Lab Code	Decachlorobiphenyl	Tetrachloro-m-xylene
		68 - 137	71 - 126
PCB-Digester #4 South	HN2407337-001	116	106
PCB-Digester #4 West	HN2407337-002	113	106
Method Blank	QC-1700909-001	116	116
Laboratory Control Sample	QC-1700909-002	120	116
PCB-Digester #4 South	QC-1700909-005	115	107
PCB-Digester #4 South	QC-1700909-006	98.4	109

QA/QC Report

Client: Gary Sanitary District
Project: PCB Solids
Sample Matrix: SOIL/SOLID

Work Order: HN2407337
Date Collected: 10/03/2024
Date Received: 10/04/2024
Date Analyzed: 10/10/2024
Date Extracted: 10/10/2024

Matrix Spike Summary Semivolatile Organic Compounds by GC

Sample Name: PCB-Digester #4 South
Laboratory Code: HN2407337-001
Analysis Method: EPA 8082A
Prep Method: EPA 3546

Units: µg/kg
Analysis Lab Lot: 2652873

Matrix Spike QC-1700909-005

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Aroclor 1016	<267	11500	9721.5	118	75-129
Aroclor 1260	<217	10100	9721.5	104	69-127

QA/QC Report

Client: Gary Sanitary District
Project: PCB Solids
Sample Matrix: SOIL/SOLID

Work Order: HN2407337
Date Collected: 10/03/2024
Date Received: 10/04/2024
Date Analyzed: 10/10/2024
Date Extracted: 10/10/2024

Duplicate Matrix Spike Summary Semivolatile Organic Compounds by GC

Sample Name: PCB-Digester #4 South
Laboratory Code: HN2407337-001
Analysis Method: EPA 8082A
Prep Method: EPA 3546

Units: µg/kg
Analysis Lab Lot: 2652873

Matrix Spike
 QC-1700909-005

Duplicate Matrix Spike
 QC-1700909-006

Analyte Name	Sample Result	Result	Matrix Spike		Duplicate Matrix Spike			% Rec Limits	RPD	RPD Limit
			Spike Amount	% Rec	Result	Spike Amount	% Rec			
Aroclor 1016	<286	11500	9721.5	118	12300	10406	118	75-129	6.81	20
Aroclor 1260	<233	10100	9721.5	104	10300	10406	98.8	69-127	1.84	20

QA/QC Report

Client: Gary Sanitary District
Project: PCB Solids
Sample Matrix: SOIL/SOLID
Sample Name: Method Blank
Lab Code: QC-1700909-001

Work Order: HN2407337
Date Collected: NA
Date Received: NA

Units: µg/kg

Semivolatile Organic Compounds by GC

Analysis Method: EPA 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	<22.9 U	66.7	22.9	1	10/10/24 15:03	10/10/24 08:12	
Aroclor 1221	<22.9 U	66.7	22.9	1	10/10/24 15:03	10/10/24 08:12	
Aroclor 1232	<22.9 U	66.7	22.9	1	10/10/24 15:03	10/10/24 08:12	
Aroclor 1242	<22.9 U	66.7	22.9	1	10/10/24 15:03	10/10/24 08:12	
Aroclor 1248	<22.9 U	66.7	22.9	1	10/10/24 15:03	10/10/24 08:12	
Aroclor 1254	<18.6 U	66.7	18.6	1	10/10/24 15:03	10/10/24 08:12	
Aroclor 1260	<18.6 U	66.7	18.6	1	10/10/24 15:03	10/10/24 08:12	
Aroclor 1262	<18.6 U	66.7	18.6	1	10/10/24 15:03	10/10/24 08:12	
Aroclor 1268	<18.6 U	66.7	18.6	1	10/10/24 15:03	10/10/24 08:12	
Total PCB	<18.6 U	66.7	18.6	1	10/10/24 15:03	10/10/24 08:12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	116	68 - 137	10/10/24 15:03	
Tetrachloro-m-xylene	116	71 - 126	10/10/24 15:03	

QA/QC Report

Client: Gary Sanitary District
Project: PCB Solids
Sample Matrix: SOIL/SOLID

Work Order:HN2407337
Date Analyzed:10/10/2024
Date Extracted:10/10/2024

Laboratory Control Sample Summary Semivolatile Organic Compounds by GC

Analysis Method: EPA 8082A
Prep Method: EPA 3546

Units:µg/kg
Analysis Lab Lot:2652873

QC-1700909-002

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Aroclor 1016	924	833	111	75-129
Aroclor 1260	893	833	107	69-127



General Chemistry

QA/QC Report

Client: Gary Sanitary District
Project: PCB Solids
Sample Matrix: SOIL/SOLID
Sample Name: Method Blank
Laboratory Code: QC-1695876-001

Work Order: HN2407337
Date Collected: NA
Date Received: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Percent Moisture	EPA 3550C	<0.1 U	%	0.1	0.1	1	10/08/24 19:10	NA	

QA/QC Report

Client: Gary Sanitary District
Project: PCB Solids
Sample Matrix: SOIL/SOLID

Work Order:HN2407337
Date Analyzed:10/08/2024

Laboratory Control Sample Summary General Chemistry Parameters Percent Moisture

Analysis Method: EPA 3550C

Units:%
Analysis Lab Lot:2639331

Sample Name	Laboratory Code	Result	Spike Amount	% Rec	% Rec Limits
Laboratory Control Sample	QC-1695876-002	100	100	100.0	98-102