



July 29, 2022

CONTRACT NO. 1730

MONONGAHELA DEEP TUNNEL INTERCEPTOR CLEANING

ADDENDUM NO. 1

All bidders bidding Contract No. 1730 shall read and take note of this Addendum No. 1. The Contract Documents for **Contract No. 1730 – Monongahela Deep Tunnel Interceptor Cleaning** are hereby revised and/or clarified as stated below.

Acknowledgement of Contract No. 1730; Addendum No. 1

The Acknowledgement attached to Addendum No. 1 is to be signed and returned immediately via email to **Kathleen P. Uniatowski** at contract.clerks@alcosan.org and acknowledged with Bidder's Proposal.

Members of the Board

Sylvia C. Wilson
Chair Person

Shannah Tharp-Gilliam, Ph.D.
Harry Readshaw
Corey O'Connor
Jack Shea
Emily Kinkead
Paul Klein

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*Director
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*Director
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Michael Lichte, P.E.

Director – Regional Conveyance

**ACKNOWLEDGEMENT OF
CONTRACT NO. 1730 - MONONGAHELA DEEP TUNNEL
INTERCEPTOR CLEANING**

ADDENDUM NUMBER 1

FIRM NAME: _____

SIGNATURE: _____

TITLE: _____

DATE: _____

JULY 29, 2022

CONTRACT NO. 1730

MONONGAHELA DEEP TUNNEL INTERCEPTOR CLEANING

ADDENDUM NO. 1

JULY 19, 2022

CONTRACT NO. 1730

MONONGAHELA DEEP TUNNEL INTERCEPTOR CLEANING

ADDENDUM NO. 1

A. Contract Documents

1. *Article 1, Paragraph 8, p. 1-4, shall change to “TOTAL BASE BID (Sum of Tasks 1, 2, 3a, 3b, plus Contingent Items C-4 & C-5)”*
2. *Article 2, Paragraph 1, p. 2-3, shall change the 2nd sentence of the first paragraph to “The M-53 drop shaft (8 inches) is located approximately 2,000 feet upstream of the M-50A access manhole.” The M-53 drop shaft was misidentified as a 12 inch diameter, it is actually 8 inch diameter.*
3. *Article 2, Paragraph 2.7, p. 2-6, shall change the third sentence of the third paragraph to “Bids will be received at the office of the Owner until 11:00 A.M. prevailing time on Thursday, September 1, 2022 at which time and place said Bids will be opened publicly and read aloud.”*
4. *Article 2, Paragraph 2.8, p. 2-7, shall change Item H to “Bidder will develop and submit a Site Layout Scheme showing that required trucks, decant boxes, pumping intake and discharge lines, and other equipment can be successfully operated on the available land surrounding the M-50A access manhole without disrupting traffic or the operations of adjacent property owners and businesses.”*
5. *Article 2, Paragraph 2.8, p. 2-7, shall change the first sentence of Item I to “Bidder will describe any limitations the existing M-50A access manhole would impose on the proposed equipment.”*
6. *Article 2, Paragraph 2.31, p. 2-17, shall change the first sentence to “A Pre-Bid Meeting will be held via a video conference call on Microsoft Teams on Monday, July 25, 2022 at 10 A.M., Prevailing Time.”*
7. *Article 4, p. 4-1, shall change the Bid Tab to remove Tasks 4a and 4b and add Item C-4 Hourly Rate for Crew Effort to Correct for Unforeseen Downtime Tasks.*
8. *Article 4, p. 4-2, shall change to “TOTAL BASE BID (Sum of Tasks 1, 2, 3a, 3b, plus Contingent Items C-4 & C-5).”*

B. Contract Specifications

1. *(No Items)*

D. Contract Drawings

1. *Access shaft M-50A*
2. *Drop shaft M-52, Drop shaft M-53*

E. Questions

1. *(No Items)*

F. Pre-Bid Meeting

1. *Agenda*
2. *Brief overview of discussion during the pre-bid meeting*
3. *Attendance List*

***** END OF ADDENDUM**

CONTRACT NO. 1730 BID PRICE PROPOSAL

Task No.	Description	Quantity	Unit	Unit Price	Total Task Price
1	Mobilization / Demobilization, Bonds and Insurance (Not to Exceed 10% of Total Base Bid Price)	1	Lump Sum		
2	Sewer Pipe Cleaning and Debris Removal, All Pipes and Sizes	440	Ton		
3a	Monongahela Deep Tunnel Interceptor Cleaning (meeting specified cleaning criteria)	2000	Linear Foot		
3b	Monongahela Deep Tunnel Interceptor Post-Cleaning Sonar Inspection (incl. 500 LF downstream)	2500	Linear Foot		
C-4	Hourly Rate for Crew Effort to Correct for Unforeseen Downtime Tasks	100	Hour		
C-5	Miscellaneous Work for a Full-Time Crew	100	Hour		

TOTAL BASE BID (Sum of Tasks 1, 2, 3a, 3b, plus Contingent Items C-4 & C-5)

_____ **dollars/cents (words)**
\$ _____ (figures)

The Authority is exempt from the payment of Commonwealth of Pennsylvania Selective Sales and Use tax. The Bidder should disregard such tax in calculating its bid.

The undersigned Bidder agrees to take notice of and shall be responsible for any local or state taxes levied and applicable, and the costs for same are included as part of this Bid. Certain of the Bidder's tax obligations are described in more detail in the Contract Provisions Section entitled "Sales and Use Tax."

It is understood that the Authority reserves the right to waive any informality in or reject any or all bids and to withhold the awarding of the Contract for sixty (60) calendar days after the date of actual opening of the bids.

If this Bid shall be accepted by the Authority, and the undersigned shall fail to enter into a formal Contract as aforesaid (or fail to provide all other documents or materials as described in the Contract Documents), within ten (10) calendar days (not including Sundays or legal holidays) from the date of receipt of notice from the Authority to the undersigned, at the address given herewith, that the Contract is ready for signature, then the Authority may procure the required work for Contract No.

Tag lines may be used at the upstream drop shafts for cleaning and sonar inspection. **The M-53 drop shaft (8 inches) is located approximately 2,000 feet upstream of the M-50A access manhole. There is 664 feet between M-50A and M-51; there is 680 feet from M-51 to M-52; and there is 660 feet between M-52 to M-53.** The contract time period is one hundred eighty (180) days from the Notice to Proceed.

The **M-50A access manhole** is the primary access point to the Monongahela deep tunnel interceptor for cleaning and pumping equipment. This access manhole is 8-foot in diameter, with a 4-foot manhole opening, and a 3-foot restriction at the deep tunnel connection. The depth from the deep tunnel interceptor to the ground surface is approximately 65 feet. The access manhole is located in Rankin Borough on the property of the Josh Steel Company. The access manhole is located approximately 70 feet southeast of the Rankin Bridge, between the Monongahela River and the CSX railroad tracks. Due to the proximity of the nearby business, an agreement between the contractor and Josh Steel is required and ongoing coordination (see Section 2.39 ACCESS TO WORK AREAS) will be required to ensure minimal disruption to the Josh Steel Company will be required.

Furthermore, the Work is being performed, in whole or in part, to comply with certain of Owner's obligations under or pursuant to the Consent Decree (digital copy provided with the contract documents in Appendix A). Accordingly, in order to perform the obligations, set forth in the Contract and the Work, the Contractor shall be responsible for becoming familiar with the obligations and requirements of the Consent Decree and shall perform the Work in a manner so as not to cause the Owner to fail to perform, violate, or untimely perform, any obligation or requirement of the Consent Decree. Also, from time to time, the Contractor may be requested to, and shall, provide the Owner with verifications and/or other documents which relate to the Work and which may be required by, and/or necessary for, the Consent Decree, and/or to attest to and/or verify the accuracy and/or completeness of the Work or documents or submittals provided in regard to the Work.

2.4 DESCRIPTION OF BID ITEMS

A detailed description of bid items is provided in Article 6, Section 01010 – Summary of Work.

The intent of the Contract Documents and Plan Set is that the Successful Bidder shall take any and all actions as are necessary and/or required to provide labor, supervision, materials, supplies, services, equipment, transportation, facilities

failure to comply with the foregoing, the Owner may treat the Bid as "nonresponsive" and return it to the Bidder unopened. Bids will be received at the office of the Owner until **11:00 A.M.** prevailing time on **Thursday, September 1, 2022** at which time and place said Bids will be opened publicly and read aloud.

Bids must be firm. **If a Bid is submitted with conditions or exceptions or not in conformance with the terms and conditions of the Contract Documents, it may be rejected.** The Bid may also be rejected if the product or Work offered by the Bidder is determined by the Owner not to be in substantial conformance with the Contract Documents including the Specifications.

Bidder shall not detach and submit Bid pages separately but shall submit their Bids bound with the complete volume of Contract Documents, including all pages correctly assembled.

The Bid shall be properly executed and accompanied by all Bonds, Certificates, Questionnaire Forms and other supporting information and documents, as described in the Bid Form.

2.8

SUPPLEMENTARY INFORMATION PACKAGE

1. After the bid opening, upon request of the Owner, the Apparent Low Bidder shall be required to submit, prior to the award of the contract, quadruplicate copies of a Supplementary Information Package as described in this Section. The request shall be made solely for the purposes of the Owner's evaluation and review of all proposed materials, equipment, and items of work and determination of conformance with the Contract Documents.
2. The Supplementary Information Package shall include all such documentation as may be required elsewhere in the Contract Documents and all data and information deemed appropriate by the Bidder to completely describe its respective offering including but not necessarily limited to the following items:
 - A. The information requested in the Information for Bidders Section 2.27 entitled "Qualifications and Experience of Bidders."
 - B. List of Subcontractors, experience, equipment, etc.
 - C. Bidder will provide three references, and descriptions of the three corresponding projects, to support the Contractor's ability to clean from a single access point large diameter sewers that are flowing full and surcharged, with approximately a seventy (70) foot depth

to the invert, while the sewer remains in continuous service without disruption. The narrative should identify the pipe diameters and invert depths and the maximum horizontal distance that was cleaned from a single access point.

- D. The Bidder shall provide a written detailed description of the cleaning equipment and methods that will be employed. The narrative must include detailed descriptions of the equipment and methodologies that will be used for cleaning the deep tunnel interceptor and capturing and bringing the solid materials to the surface. The description will include the proposed methods and equipment for debris pumping including pump rating, pump curve, pump manufacture, number of pumps proposed to be used. The narrative should identify and explain the pipe invert depths to which the proposed cleaning equipment can successfully operate and the maximum horizontal reach along interceptors that the equipment can achieve.
- E. Bidder will provide a detailed description of the methods to be utilized to prevent debris from passing the collection pump and being deposited downstream of access shaft.
- F. If the Bidder would propose and ALCOSAN were to approve establishing a tag line to implement the cleaning operations, a detailed description will be provided of the specific devices and methods that will be utilized to prevent damage to ALCOSAN structures and pipes.
- G. Bidder will provide detailed descriptions of the equipment and methodologies that will be used to settle and filter the solids, decant the liquids, return the decanted liquids to the sewer, and control odors. The narrative shall also include a detailed description for any additional dewatering of the solids prior to transporting and disposal at an approved landfill.
- H. Bidder will develop and submit a Site Layout Scheme showing that required trucks, decant boxes, pumping intake and discharge lines, and other equipment can be successfully operated on the available land surrounding the M-50A access manhole without disrupting traffic or the operations of adjacent property owners and businesses.
- I. Bidder will describe any limitations the existing M-50A access manhole would impose on the proposed equipment.

6. Requiring each party to a sub-agreement to take the affirmative steps listed above.
7. Procuring goods and services from labor surplus area firms.

Further information concerning this matter may be obtained from the Owner.

Bidders should be sure to note the warning in Section 2.8 SUPPLEMENTARY INFORMATION PACKAGE that failure to provide all the supplemental information requested in the Contract Documents may (at the Owner's discretion) result in treating the Bid as nonresponsive.

2.29 FICTITIOUS NAME REGISTRATION

Where the Bid is made by an individual or individuals doing business under a fictitious name, there shall be attached to the Bid, Certificates from the Office of the Secretary of the Commonwealth and from the Prothonotary's Office showing that each individual or individuals are fully registered under the Fictitious Names Act of the Commonwealth of Pennsylvania 1982, Dec. 16, P.L. 1309, No. 295 § 2, 54 Pa. C.S.A. § 301, *et. seq.* Additional Certificates, in as many copies as may be required, shall be furnished to the Owner by the successful Bidder prior to the execution of the Contract.

2.30 NON-PENNSYLVANIA CORPORATIONS

Attention is directed to the fact that if the Bidder is a non-Pennsylvania corporation, it shall obtain a Certificate of Authority to do business in Pennsylvania, as required by the Pennsylvania Business Corporation Law of 1988, approved December 21, 1988, P.L. 1444, No. 177 § 103 amended, 1990, Dec. 19, P.L. 834, No. 198, § 102, 15 Pa. C.S.A. § 4121.

2.31 PRE-BID CONFERENCE

A Pre-Bid Meeting will be held via a video conference call on Microsoft Teams on Monday, July 25, 2022 at 10:00 A.M., Prevailing Time to be followed by a field view. Attendance at this meeting is not mandatory.

A field view of the access shaft structure and surrounding can be scheduled individually with Milton Lenhart at Milton.Lenhart@Alcosan.org . Bidder's representatives are encouraged to follow in their own vehicles.

2.32 PATENTS AND PROPRIETARY RIGHTS

Prior to bidding, the Bidder shall acquire through assignment, purchase, license, or other means, all rights required to fully utilize all technology, know-how, trade secrets, inventions, processes, articles, procedures, equipment, apparatus,

CONTRACT AGREEMENT

This CONTRACT AGREEMENT ("Agreement"), executed in the County of Allegheny, in the Commonwealth of Pennsylvania, this _____ day of _____, 20__ by and between the ALLEGHENY COUNTY SANITARY AUTHORITY (hereinafter called the "Authority" or "Owner," acting through its Chairman, who acts herein solely for the Authority and without personal liability to himself) and _____ of _____ (hereinafter called the "Contractor.")

WITNESSETH:

WHEREAS, the Authority, pursuant to authority vested in it by Acts of Assembly of the Commonwealth of Pennsylvania, did, by advertisement heretofore made in accordance with the provisions of said Acts, invite bids for **CONTRACT NO. 1730, MONONGAHELA DEEP TUNNEL INTERCEPTOR CLEANING,**

WHEREAS, in accordance with said advertisement and the Information for Bidders prepared by the Authority and submitted to Bidders, the Contractor submitted to the Authority a Bid for the materials or services herein described and a Contract was duly awarded by the Authority to the Contractor, for the materials or services to be furnished under **CONTRACT NO. 1730, MONONGAHELA DEEP TUNNEL DEBRIS REMOVAL,** for the price specified in the Bid. Said Bid and all related Contract Documents are hereby made a part of this Agreement, whether or not hereto attached and are hereinafter referred to as the "Contract"; and,

WHEREAS, the Bid includes the following quoted amounts:

Task No.	Description	Quantity	Unit	Unit Price	Total Task Price
1	Mobilization / Demobilization, Bonds and Insurance (Not to Exceed 10% of Total Base Bid Price)	1	Lump Sum		
2	Sewer Pipe Cleaning and Debris Removal, All Pipes and Sizes	440	Ton		
3a	Monongahela Deep Tunnel Interceptor Cleaning (meeting specified cleaning criteria)	2000	Linear Foot		
3b	Monongahela Deep Tunnel Interceptor Post-Cleaning Sonar Inspection (incl. 500 LF downstream)	2500	Linear Foot		
C-4	Hourly Rate for Crew Effort to Correct for Unforeseen Downtime Tasks	100	Hour		
C-5	Miscellaneous Work for a Full-Time Crew	100	Hour		

TOTAL BASE BID (Sum of Tasks 1, 2, 3a, 3b, plus Contingent Items C-4 & C-5)

_____ **Dollars**

(Words)

and _____ **Cents** \$ _____

(Words) (Figures)

NOW, THEREFORE, in consideration of their mutual covenants and agreements and intending to be legally bound thereby, the Authority and the Contractor agree as follows:

- A. The Contractor agrees to provide any and all labor, supervision, materials, supplies, services (including detailed engineering), equipment, tools, transportation, facilities and appurtenances thereto, whether temporary or permanent, and such other items as indicated, required or implied by the Contract Documents and as necessary for a complete, functional and operational **MONONGAHELA DEEP TUNNEL INTERCEPTOR CLEANING CONTRACT** (the "Work").
- B. The Contractor further agrees and acknowledges that time is of the essence of the Contract and that Contractor shall commence the Work immediately upon receipt of the Notice to Proceed and shall prosecute the Work diligently to completion within **One Hundred and Eighty (180) calendar days** (Contract Time) and as specified for Substantial Completion of the entire Work.
- C. Owner and Contractor recognize that Owner will suffer financial loss if the Work is not completed within the Contract Time specified in paragraph B above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delay, expense, and difficulty involved in proving, in a court action or other dispute resolution proceeding, the actual loss suffered by the Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty) Contractor shall pay Owner at the daily rate indicated below for each day that expires after the Contract Time specified in paragraph 2 above, plus any extensions thereof allowed in accordance with the General Conditions, until the Substantial Completion of the entire Work, as the case may be, is achieved.

Construction Milestone	Liquidated Damages
Substantial Completion of Contract No. 1730	\$500/day

- D. The Owner shall, as provided in the Contract Documents, pay to the Contractor for the Work the firm lump sum of _____ (Not Applicable) as such amount may be increased or decreased pursuant to the Contract Documents (the "Contract Sum").
- E. The Contractor by executing this Agreement represents and warrants that it has read, and fully understands, each and every clause in each of the Contract Documents, including:

ALLEGHENY COUNTY SANITARY AUTHORITY PITTSBURGH, PENNSYLVANIA

NEW ACCESS SHAFT MANHOLE

NEAR DIVERSION STRUCTURE M-51 **M 50A**

CONTRACT NUMBER 1495

SHEET NO.	DRAWING TITLE	DRAWING NO.
1	TITLE SHEET	2232G1790
2	SITE PLAN	2232C1791
3	8'-0" SHAFT MANHOLE - PLANS	2232S1792
4	8'-0" SHAFT MANHOLE - SECTIONS & DETAILS	2232S1793
5	EROSION AND SEDIMENTATION CONTROL DETAILS	2232C1794

RECORD DRAWINGS 9-5-13

MEMBERS OF THE BOARD

HARRY READSHAW - CHAIRMAN
SYLVIA C. WILSON
JACK SHEA
THERESA KAIL-SMITH
JOHN WEINSTEIN
JOSEPH WHITE
KRISTEN BAGINSKI

ARLETTA SCOTT WILLIAMS - EXECUTIVE DIRECTOR
DAVID W. BORNEMAN, P.E. - DIRECTOR OF
ENGINEERING AND CONSTRUCTION

APPROVED	
EXECUTIVE DIRECTOR	DATE
DIRECTOR OF ENGINEERING	DATE
MANAGER OF CAPITAL PROJECTS	DATE
PROJECT ENGINEER	DATE

LIST OF UTILITIES

PROJECT LOCATION: WEST SIDE OF CSX RAILROAD TRACKS ON
SOUTH SIDE OF RANKIN BRIDGE NEAR TALBOT
AVE, RANKIN BOROUGH, ALLEGHENY COUNTY

PENNSYLVANIA ONE CALL PHONE NO. 1-800-242-1776

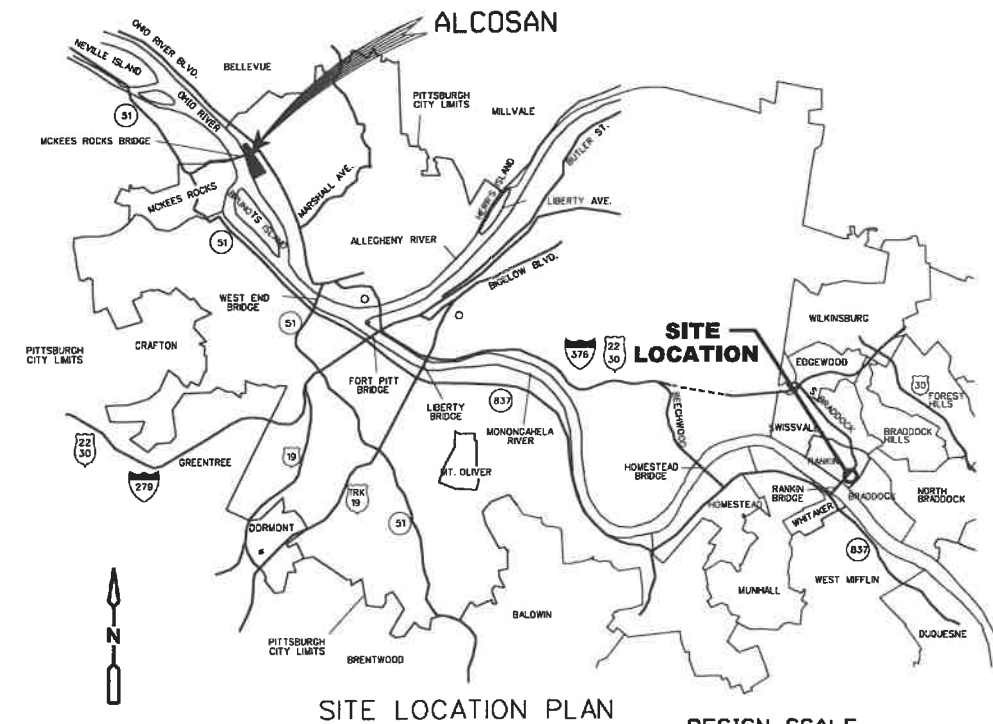
Designer One Call Serial Number:

20120961930 Rankin Borough

20120961931 Braddock Borough

One Call Contacts:

ALLEGHENY COUNTY SANITARY AUTHORITY
BOROUGH OF BRADDOCK
COMCAST CABLE COMMUNICATIONS INC
DUQUESNE LIGHT COMPANY
EQUITABLE GAS COMPANY
LEVEL 3 COMMUNICATIONS LLC
MCI/VERIZON BUSINESS
PEOPLES GAS WILKINSBURG DIVISION
PEOPLES GAS DESIGN
RANKIN BOROUGH
VERIZON PENNSYLVANIA INC
WILKINSBURG PENN JOINT WATER AUTHORITY



SITE LOCATION PLAN

DESIGN SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



MAY 2012
CHESTER ENGINEERS

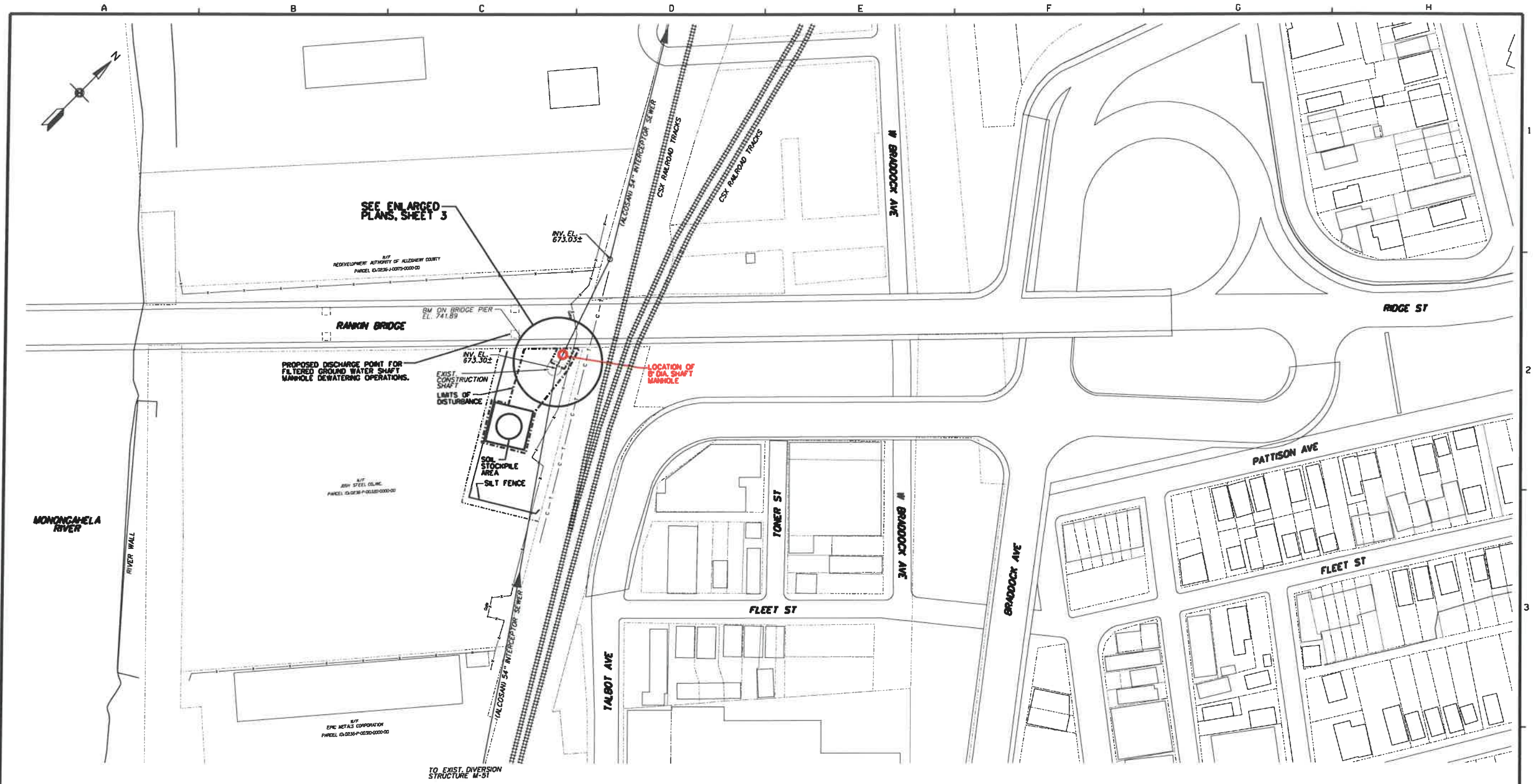
1555 CORAOPOLIS HEIGHTS ROAD, MOON TWP., PA. 15108



TITLE SHEET
2232G1790.dgn

SDATES/TIMES

SFILES



SEE ENLARGED PLANS, SHEET 3

PROPOSED DISCHARGE POINT FOR FILTERED GROUND WATER SHAFT MANHOLE DEWATERING OPERATIONS.

LOCATION OF 8' DIA. SHAFT MANHOLE

TO EXIST. DIVERSION STRUCTURE M-51

Survey Datum for this project is as follows:
 The horizontal datum is assumed.
 The vertical datum is based upon the lower-level top elevation of Alcosan Structure M-27 that had an Air Suilt elevation of 719.60 (for the lower level) as shown on the Approved Nov. 10, 1953 construction Sheet 46 of 6701 Contract 50.
 ALL UTILITY LOCATIONS AS SHOWN ARE APPROXIMATE AND ARE BASED ON INFORMATION PROVIDED BY THE VARIOUS UTILITY COMPANIES. THE CONTRACTOR SHALL ESTABLISH THE EXACT LOCATION OF ALL UTILITIES IN ACCORDANCE WITH THE PENNSYLVANIA ONE CALL SYSTEM, INC. BY CALLING 1-800-242-1776.

PLAN
 SCALE: 1"=60'

M 50A

ALLEGHENY COUNTY SANITARY AUTHORITY
 WASTEWATER TREATMENT PLANT
 PITTSBURGH, PENNSYLVANIA

NEW ACCESS SHAFT MANHOLE
 NEAR DIVERSION STRUCTURE M-51

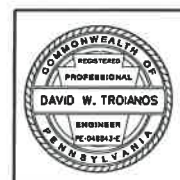
SITE PLAN

SCALE: AS NOTED CONTRACT NO. 1495

FILENAME: 2232C1791.DGN
 DATE PLOTTED: \$DATE\$/\$TIME\$

SHEET 2 OF 5

JOG
 DRAWN BY:
 E.J.W.
 CHECKED BY:
 DWT
 EXAMINED BY:



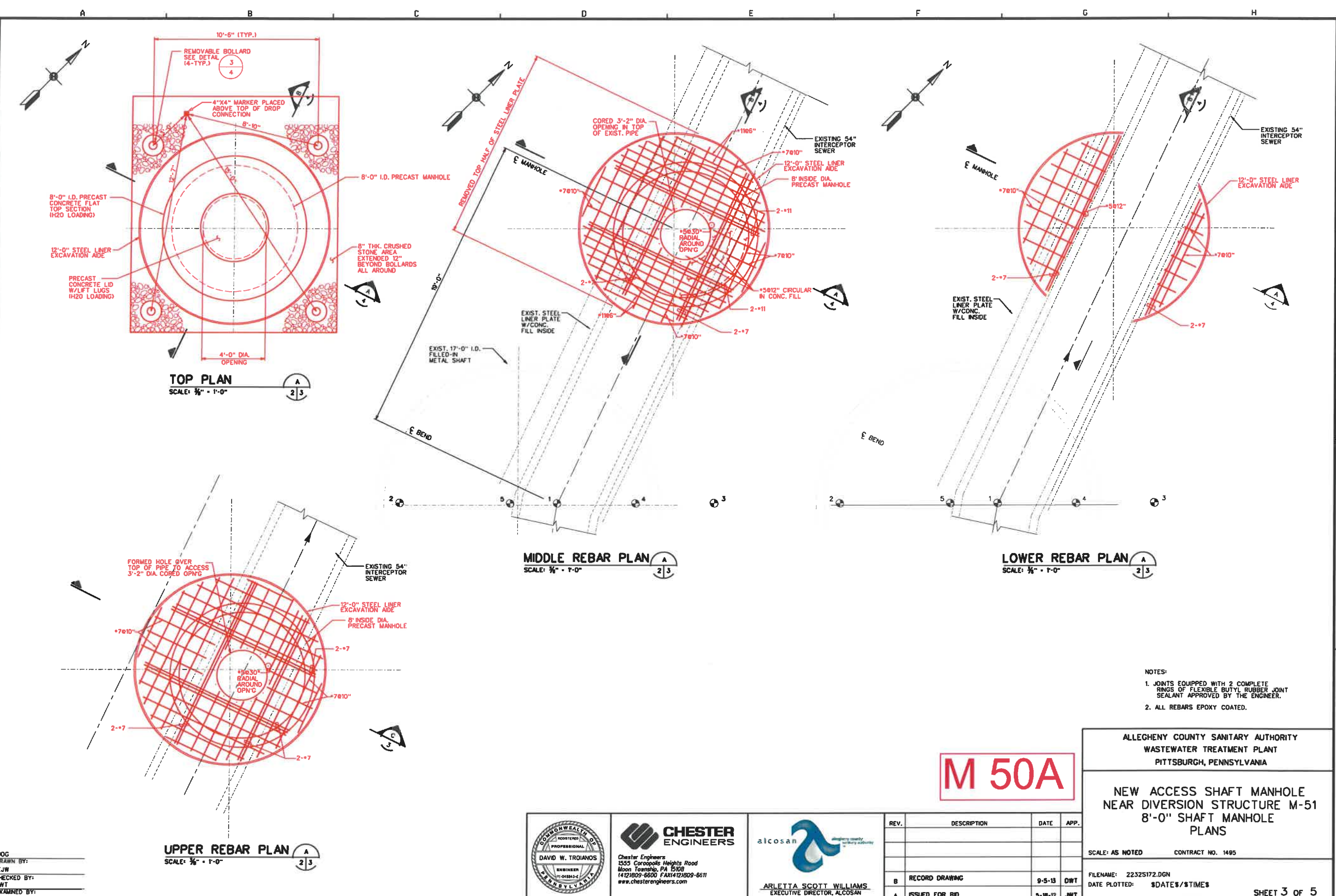
CHESTER ENGINEERS
 Chester Engineers
 1555 Coraopolis Heights Road
 Moon Township, PA 15108
 (412)809-6600 FAX(412)809-6611
 www.chesterengineers.com

ALCOGAN
 ALLEGHENY COUNTY
 SANITARY AUTHORITY

ARLETTA SCOTT WILLIAMS
 EXECUTIVE DIRECTOR, ALCOGAN

REV.	DESCRIPTION	DATE	APP.
B	RECORD DRAWING	9-5-13	DWT
A	ISSUED FOR BD	5-18-12	DWT

\$FILEL\$



- NOTES:
1. JOINTS EQUIPPED WITH 2 COMPLETE RINGS OF FLEXIBLE BUTYL RUBBER JOINT SEALANT APPROVED BY THE ENGINEER.
 2. ALL REBARS EPOXY COATED.

M 50A

ALLEGHENY COUNTY SANITARY AUTHORITY
 WASTEWATER TREATMENT PLANT
 PITTSBURGH, PENNSYLVANIA

**NEW ACCESS SHAFT MANHOLE
 NEAR DIVERSION STRUCTURE M-51
 8'-0" SHAFT MANHOLE
 PLANS**

SCALE: AS NOTED CONTRACT NO. 1495

FILENAME: 22525172.DGN
 DATE PLOTTED: \$DATES/\$TIMES

SHEET 3 OF 5

JOC
 DRAWN BY: EJV
 CHECKED BY: DWT
 EXAMINED BY:

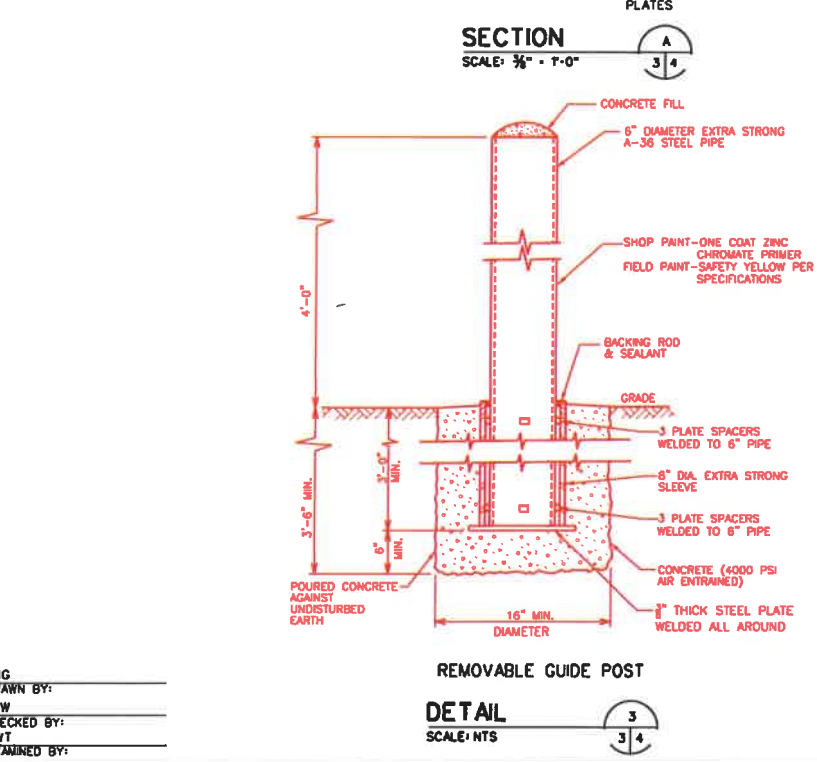
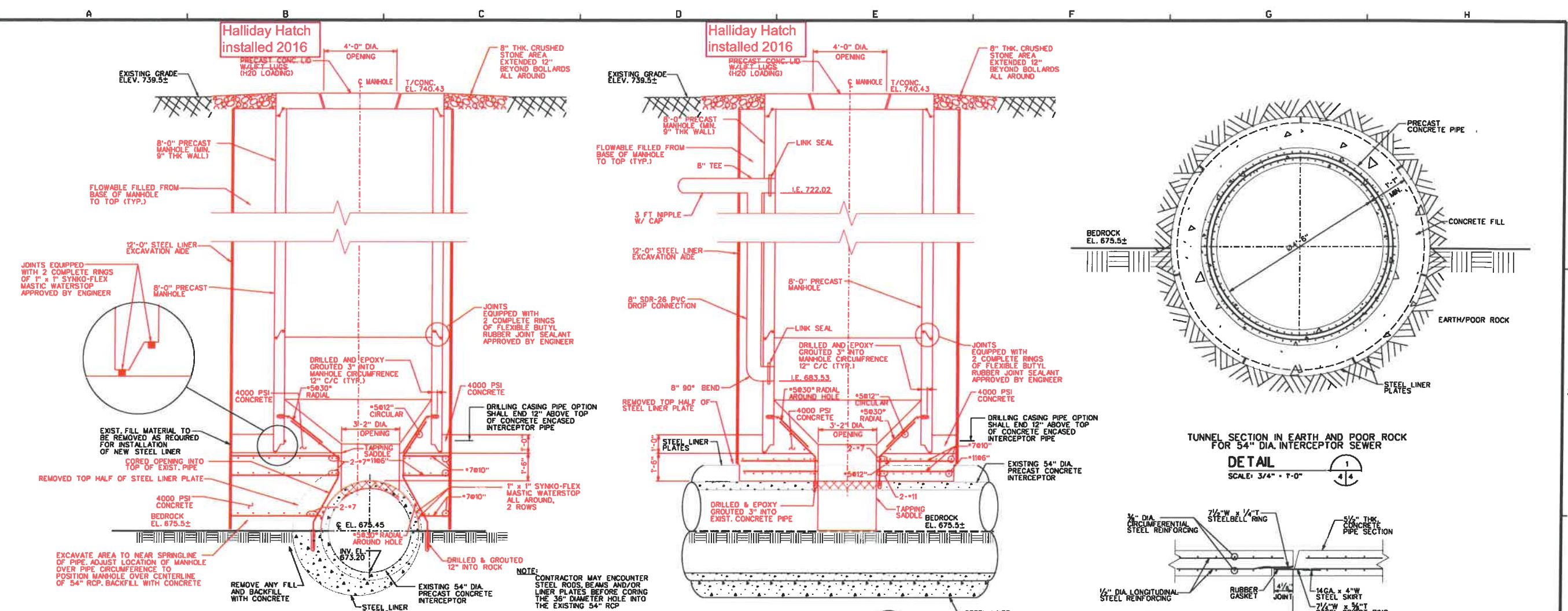


CHESTER ENGINEERS
 Chester Engineers
 3535 Coropopolis Heights Road
 Moon Township, PA 15108
 (412) 809-6600 FAX (412) 809-6611
 www.chesterengineers.com

ALCOBAN
 ARLETTA SCOTT WILLIAMS
 EXECUTIVE DIRECTOR, ALCOBAN

REV.	DESCRIPTION	DATE	APP.
B	RECORD DRAWING	9-5-13	DWT
A	ISSUED FOR BID	5-18-12	JWT

\$FILEL\$



M-50A

ALLEGHENY COUNTY SANITARY AUTHORITY
WASTEWATER TREATMENT PLANT
PITTSBURGH, PENNSYLVANIA

**NEW ACCESS SHAFT MANHOLE
NEAR DIVERSION STRUCTURE M-51
8'-0" SHAFT MANHOLE
SECTIONS & DETAILS**

SCALE: AS NOTED CONTRACT NO. 1495

FILENAME: 223251793.DGN
DATE PLOTTED: 5/18/12 5:05:13 PM

SHEET 4 OF 5

JOG
DRAWN BY:
EJW
CHECKED BY:
DWT
EXAMINED BY:

CHESTER ENGINEERS
Chester Engineers
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Moon Township, PA 15108
(412)809-6600 FAX(412)809-6611
www.chesterengineers.com

ALCOBAN
ALCOBAN
ARLETTA SCOTT WILLIAMS
EXECUTIVE DIRECTOR, ALCOBAN

REV.	DESCRIPTION	DATE	APP.
B	RECORD DRAWING	9-5-13	DWT
A	ISSUED FOR BID	5-18-12	DWT

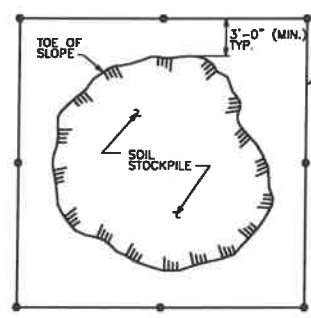
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TEMPORARY EROSION AND SEDIMENTATION CONTROLS - INSPECTION AND MAINTENANCE SCHEDULE		
ITEM	INSPECTION FREQUENCY	MAINTENANCE TO BE PERFORMED*
STRAW BALE BARRIER	WEEKLY AND AFTER EACH RUNOFF EVENT	1. REMOVE SEDIMENT WHERE ACCUMULATIONS REACH 1/3 HEIGHT OF THE BARRIER. 2. ANY SECTION OF STRAW BALE BARRIER WHICH HAS BEEN UNDERMINED OR TOPPED, MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET. SEE ROCK FILTER OUTLET STD. NO. 2-136
SILT FENCE	WEEKLY AND AFTER EACH RUNOFF EVENT	1. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE, AND IN ALL CASES WHERE ACCUMULATIONS ARE 1/2 THE ABOVE GROUND HEIGHT OF THE FENCE. 2. ANY FENCE SECTION WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET. SEE ROCK FILTER OUTLET, STD. NO. 2-136
ROCK CONSTRUCTION ENTRANCE	DAILY	CONTRACTOR SHALL MAINTAIN/REPLACE STONE MATERIAL AS NEEDED THROUGHOUT CONSTRUCTION CONTRACT TO MAINTAIN MINIMUM THICKNESS DURING USE OF ACCESS ROAD. A STOCKPILE OF ROCK MATERIAL WILL BE MAINTAINED ON SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PUBLIC ROADWAYS, WILL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. WASHING OF THE ROADWAY IS NOT PERMITTED UNLESS APPROVED BY THE AUTHORITY HAVING JURISDICTION OVER THE PUBLIC ROADWAY IN QUESTION.
FILTER BAG	HOURLY DURING PUMPING OPERATIONS	REMOVE FILTER BAG WHEN 1/2 FULL OF SEDIMENT AND REPLACE WITH NEW BAG.

***NOTE:**
ALL MAINTENANCE TO THE TEMPORARY EROSION AND SEDIMENTATION CONTROL STRUCTURES WILL BE PERFORMED BY THE CONTRACTOR DURING THE CONSTRUCTION PERIOD.

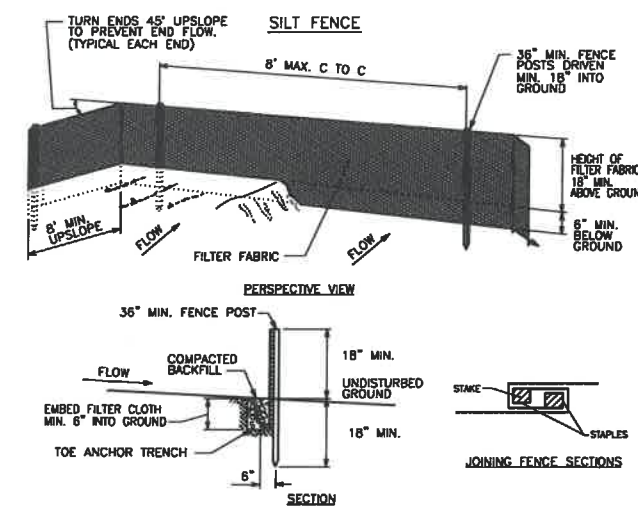
ALL EXCESS EXCAVATION MATERIALS, SEDIMENT CLEANED FROM THE BMP'S, AND THE TEMPORARY BMP DEVICES (AFTER SITE STABILIZATION) SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF. THE ARRANGEMENTS FOR SUCH DISPOSAL IS TO BE MADE BY THE CONTRACTOR. ALL WASTES ARE TO BE DISPOSED OF AT AN APPROVED DEP WASTE SITE.

TEMPORARY EROSION AND SEDIMENTATION CONTROLS - INSPECTION AND MAINTENANCE SCHEDULE STD. NO. 2-159



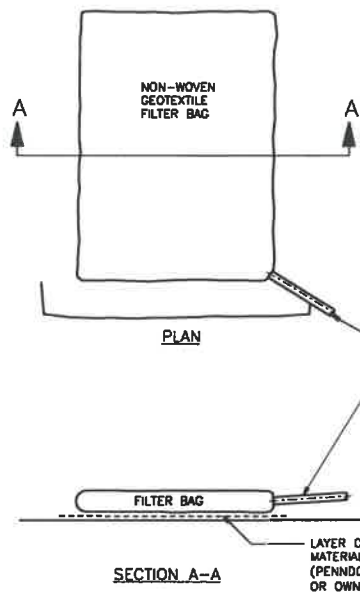
- NOTES:**
- COVER SOIL STOCKPILE WITH MULCH OR EROSION CONTROL FABRIC.
 - IF STOCKPILE IS TO BE IN PLACE FOR AN EXCESS OF 20 DAYS, TEMPORARY SEEDING MUST BE INSTALLED.
 - AFTER COMPLETE UTILIZATION, RETURN STOCKPILE AREA TO NATURAL PRECONSTRUCTION STATE, INCLUDING ALL NECESSARY GRADING AND REVEGETATION.
 - WHERE POSSIBLE LOCATE STOCKPILE AREAS ON UPSLOPE SIDE OF EXCAVATION, AWAY FROM NEARBY STREAMS, DRAINAGE DITCHES, OR WATER COURSES.
 - STOCKPILE HEIGHT MUST NOT EXCEED 35 FEET.

STORAGE OF STOCKPILED SOIL STD. NO. 2-113



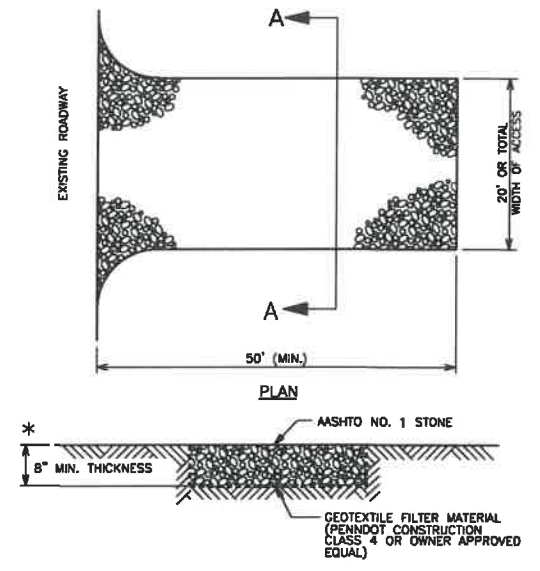
- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE:**
- FILTER FABRIC FENCE MUST BE INSTALLED AT EXISTING LEVEL GRADE.
 - FILTER CLOTH TO BE FASTENED SECURELY TO FENCE POSTS WITH TIES OR STAPLES.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE, AND IN ALL CASES WHERE ACCUMULATIONS ARE 1/2 THE ABOVE GROUND HEIGHT OF THE FENCE.
 - INSPECT FENCE INSTALLATION WEEKLY AND AFTER EVERY RUNOFF EVENT. REPLACE POSTS, FENCE, AND FILTER CLOTH AS NEEDED.
 - ANY FENCE SECTION WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET. SEE ROCK FILTER OUTLET, STD. NO. 2-136
- POSTS: STEEL (TYPE 1 OR U) OR (2" X 2" HARDWOOD)
FILTER CLOTH: LIND INDUSTRIAL DT180, NICOLSON MRRM 100K, AMOCO 2155 OR OWNER APPROVED EQUAL.

STANDARD SILT FENCE STD. NO. 2-112 (SHEET 1 OF 2)



- NOTES:**
- THE FILTER BAG SHOULD TRAP PARTICLES LARGER THAN 150 MICRONS.
 - THE DESIGNED MAXIMUM PUMPING RATE FOR THE FILTER BAG MUST NOT BE EXCEEDED. FILTER BAG SHALL BE REPLACED WHEN IT BECOMES 1/2 FULL.
 - THE FILTER BAG AND TRAPPED SEDIMENT MUST BE DISPOSED OF PROPERLY.
 - THE FILTER BAG SHOULD NOT BE PLACED ON ANY SLOPE GREATER THAN 5%.
 - THE FILTER BAG IS TO BE PLACED ON A WELL-VEGETATED (GRASSY) AREA AND DISCHARGE TO A STABLE EROSION-RESISTANT AREA.
 - THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS.
- PUMP DISCHARGE PIPE OR HOSE, SECURELY CLAMPED AND "WATER TIGHT," INTO FILTER BAG AS SPECIFIED BY THE MANUFACTURER.

FILTER BAG STD. NO. 2-124



- * CONTRACTOR SHALL MAINTAIN/REPLACE STONE MATERIAL AS NEEDED THROUGHOUT CONSTRUCTION CONTRACT TO MAINTAIN MINIMUM THICKNESS DURING USE OF ACCESS ROAD. A STOCKPILE OF ROCK MATERIAL WILL BE MAINTAINED ON SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY ALL SEDIMENT DEPOSITED ON PUBLIC ROADWAYS, WILL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. WASHING OF THE ROADWAY IS NOT PERMITTED UNLESS APPROVED BY THE AUTHORITY HAVING JURISDICTION OVER THE PUBLIC ROADWAY IN QUESTION.**
- (TO BE INSTALLED AT ALL LOCATIONS WHERE CONSTRUCTION TRAFFIC EXITS ONTO A PAVED ROADWAY)

ROCK CONSTRUCTION ENTRANCE STD. NO. 2-127

M 50A

ALLEGHENY COUNTY SANITARY AUTHORITY
WASTEWATER TREATMENT PLANT
PITTSBURGH, PENNSYLVANIA

NEW ACCESS SHAFT MANHOLE NEAR DIVERSION STRUCTURE M-51 EROSION AND SEDIMENTATION CONTROL DETAILS

SCALE: NONE CONTRACT NO. 1495

FILENAME: 2232C1794.DGN
DATE PLOTTED: \$DATE/\$TIME\$

SHEET 5 OF 5

RGK
DRAWN BY: _____
EJW
CHECKED BY: _____
DWT
EXAMINED BY: _____

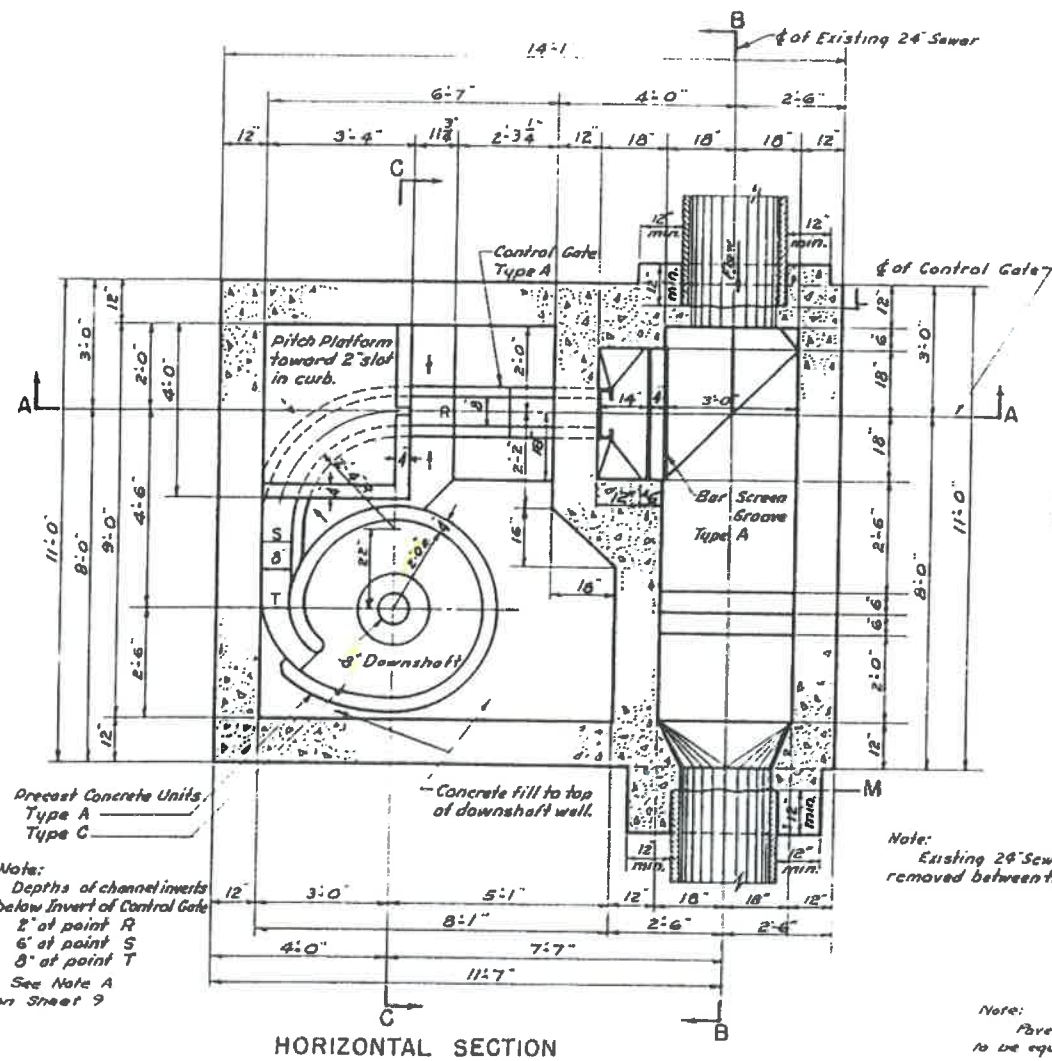


CHESTER ENGINEERS
Chester Engineers
1555 Coraopolis Heights Road
Moon Township, PA 15108
14121809-6600 FAX(412)1809-6611
www.chesterengineers.com

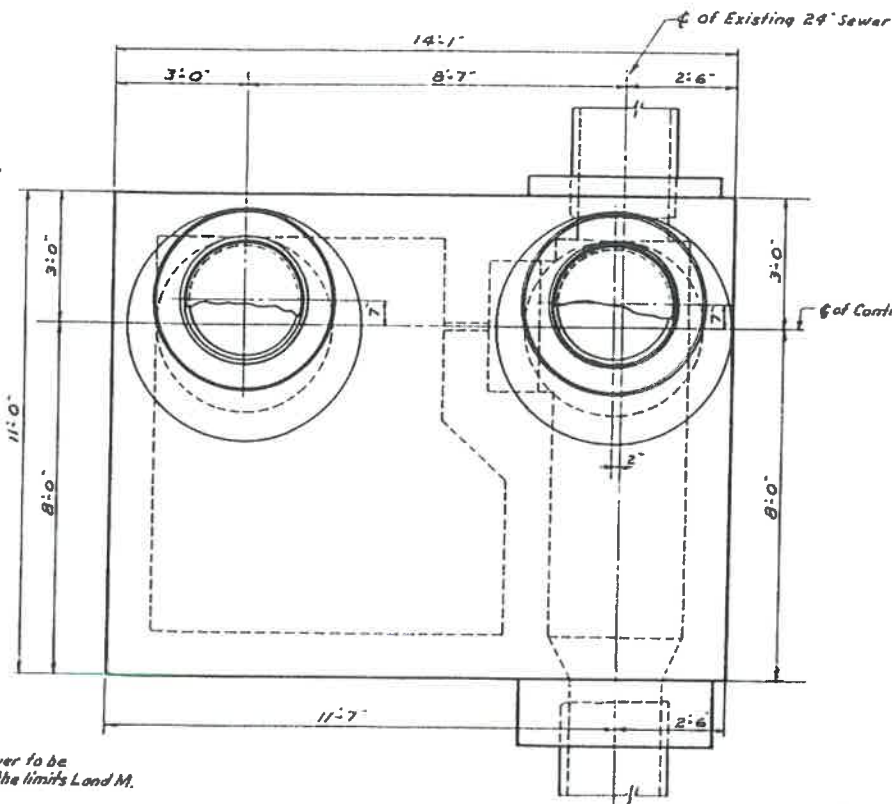
ALCO SAN
ALCO SAN
ARLETTA SCOTT WILLIAMS
EXECUTIVE DIRECTOR, ALCO SAN

REV.	DESCRIPTION	DATE	APP.
B	RECORD DRAWING	9-5-13	DWT
A	ISSUED FOR BID	5-18-12	DWT

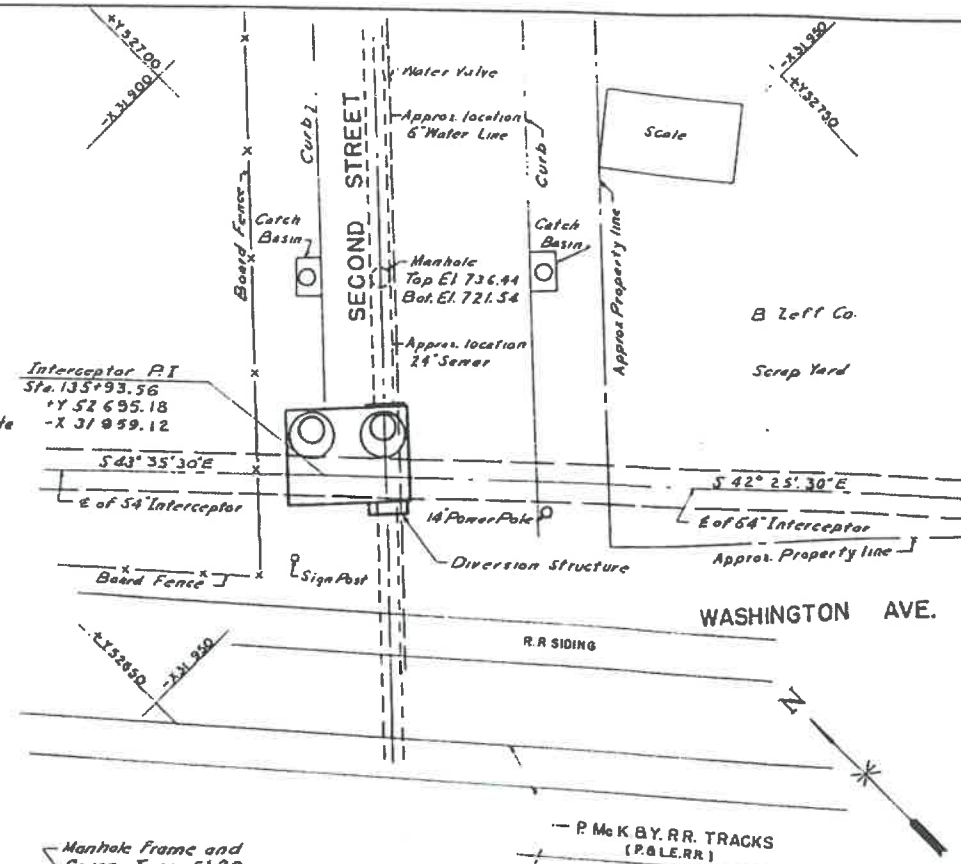
\$FILEL\$



HORIZONTAL SECTION



PLAN

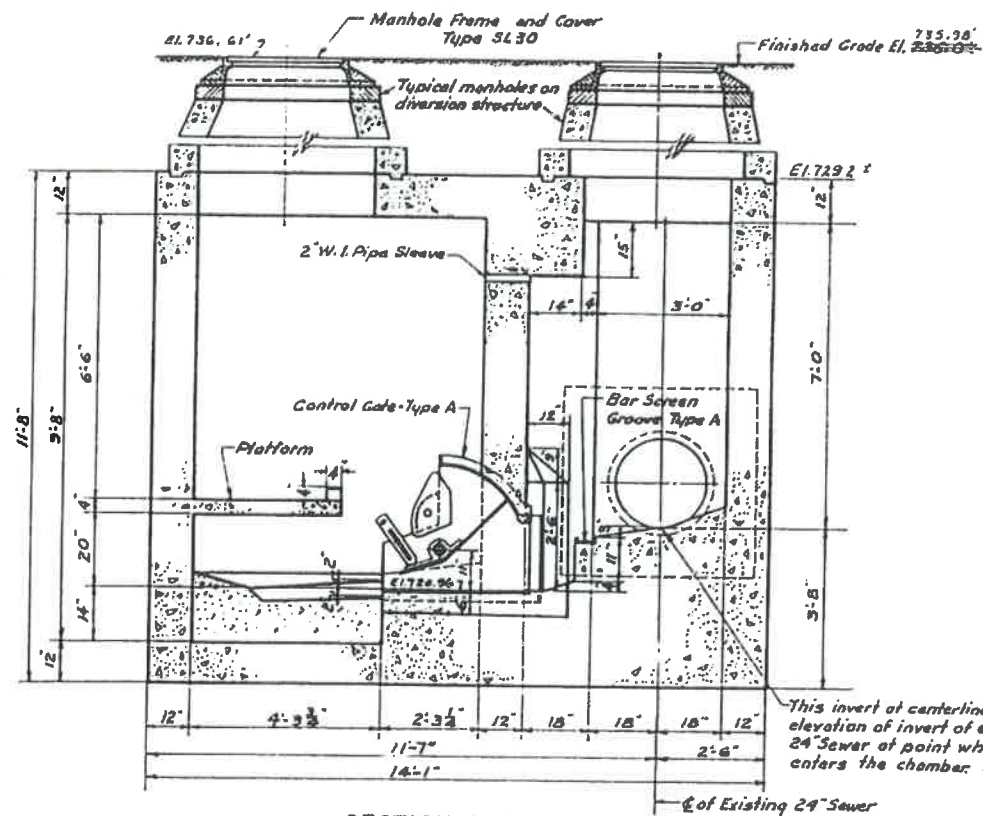


LOCATION PLAN
SCALE 1" = 10'-0"

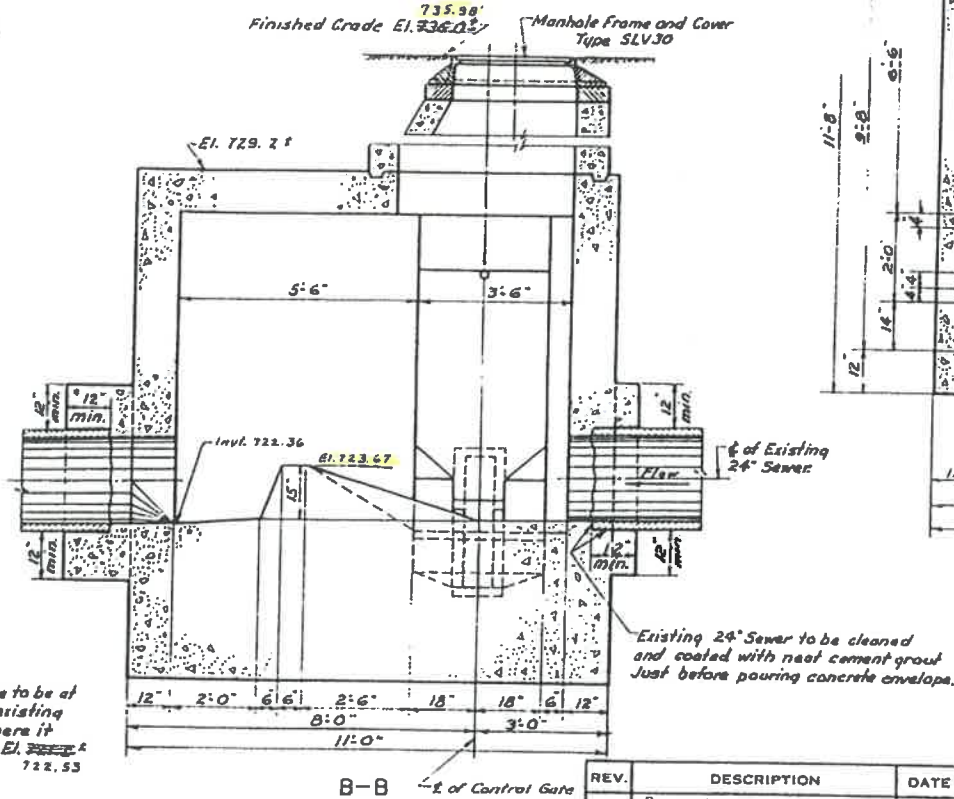
Note:
Depths of channel inverts below invert of Control Gate
2' at point R
6' at point S
8' at point T
See Note A on Sheet 9

Note:
Existing 24" Sewer to be removed between the limits Land M.

Note:
Pavement or other surfacing to be equal to existing conditions

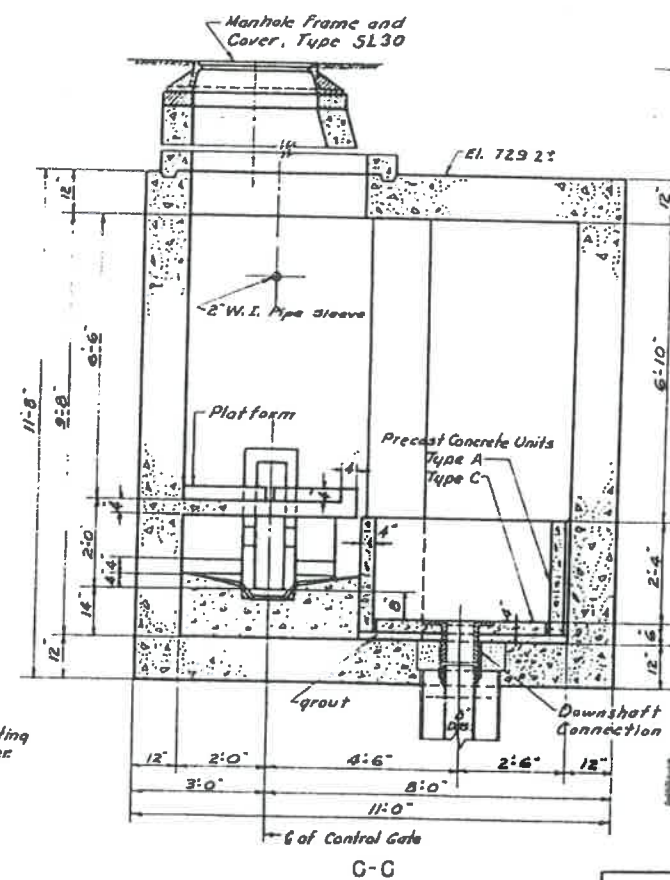


SECTION A-A



SECTION B-B

Existing 24" Sewer to be cleaned and coated with neat cement grout just before pouring concrete envelope.



SECTION G-G

NOT TO SCALE

DRAWN BY *W.G.*
TRACED BY *M.R.R.*
CHECKED BY *V.J.G./K.K.W.*
EXAMINED BY *G.L.G.*

REV.	DESCRIPTION	DATE	APP.	APPROVED
1	Revised Location Plan and all elevations 1982	5-20-81	W.T.G.	<i>John F. Laboon</i> DEPUTY CHIEF ENGINEER REG. PROF. ENGR. PA. NO. 1861-E
2	As Bu. 11-1981	2-18-81	J.R.D.	<i>John F. Laboon</i> DEPUTY CHIEF ENGINEER REG. PROF. ENGR. PA. NO. 1861-E
3				<i>John F. Laboon</i> DEPUTY CHIEF ENGINEER REG. PROF. ENGR. PA. NO. 1861-E
4				<i>John F. Laboon</i> DEPUTY CHIEF ENGINEER REG. PROF. ENGR. PA. NO. 1861-E

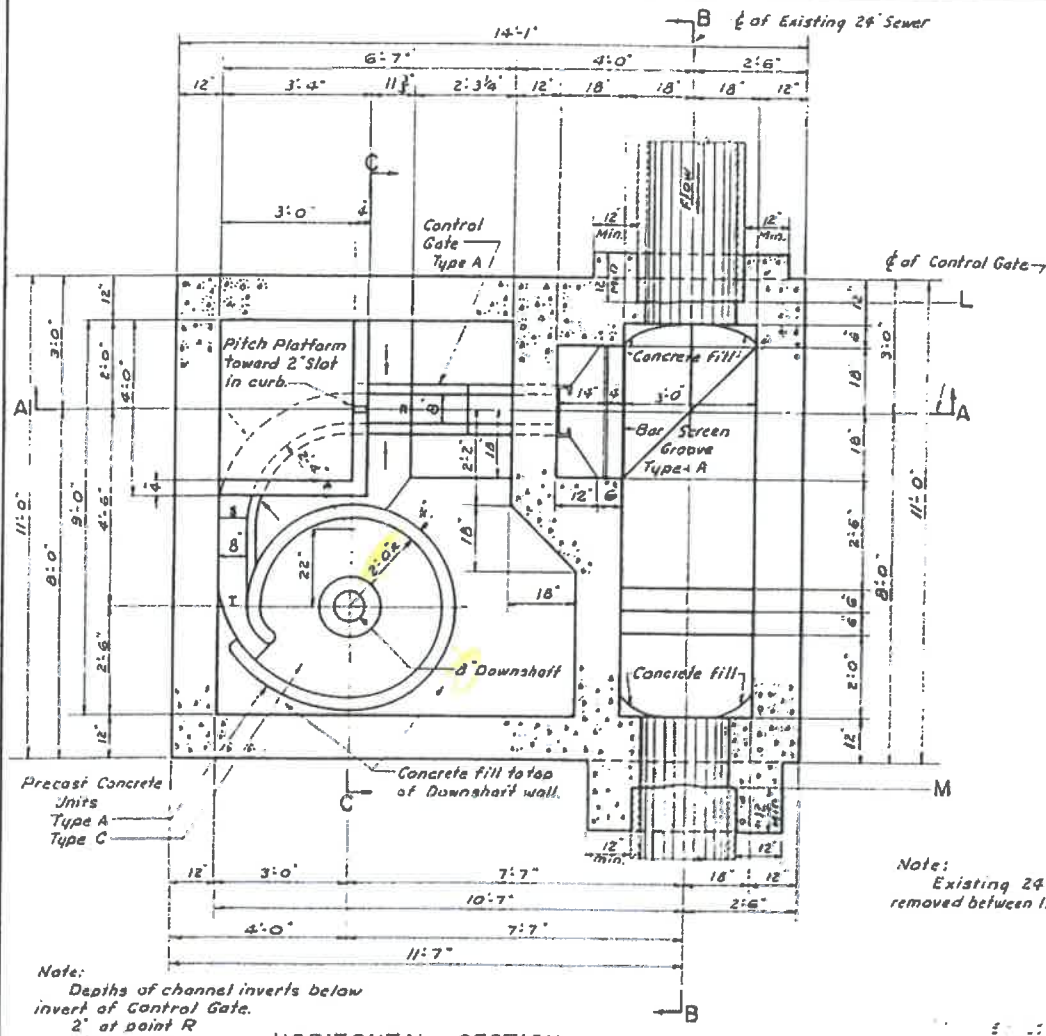


ALLEGHENY COUNTY SANITARY AUTHORITY
PITTSBURGH, PENNSYLVANIA

INTERCEPTING SEWERS
MONONGAHELA RIVER
NINE MILE RUN TO BRADDOCK
DIVERSION STRUCTURE
ON SECOND STREET SEWER

M-52

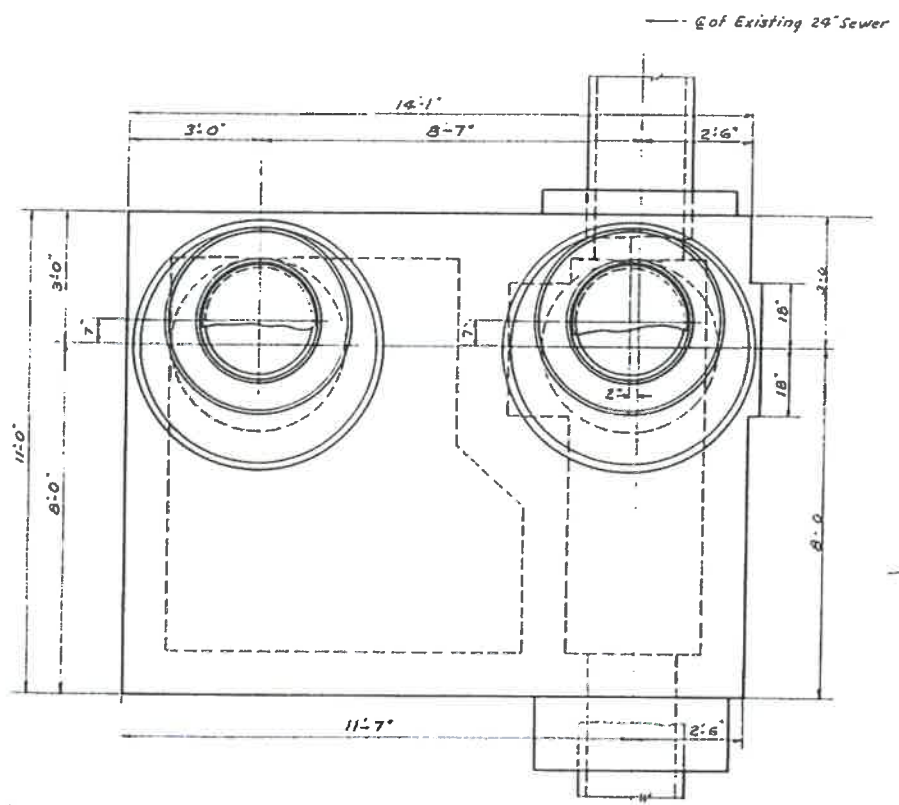
Scale: 1/4" = 1'-0"



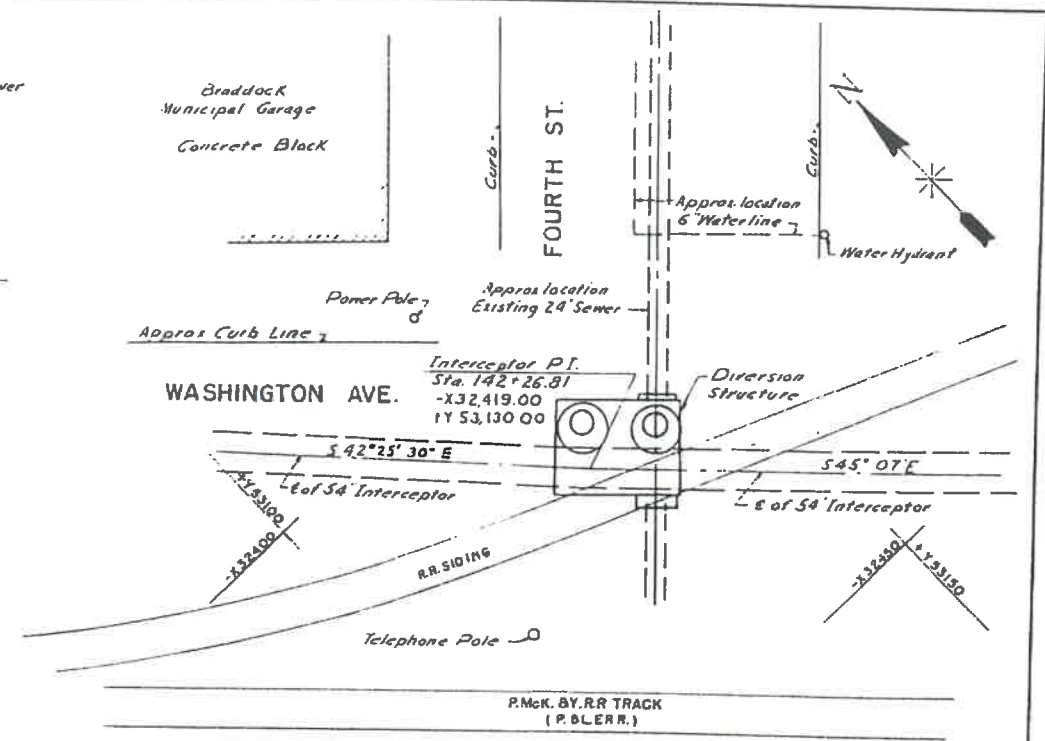
HORIZONTAL SECTION

Note:
 Depths of channel inverts below
 invert of Control Gate.
 2' at point R
 5' at point S
 8' at point T

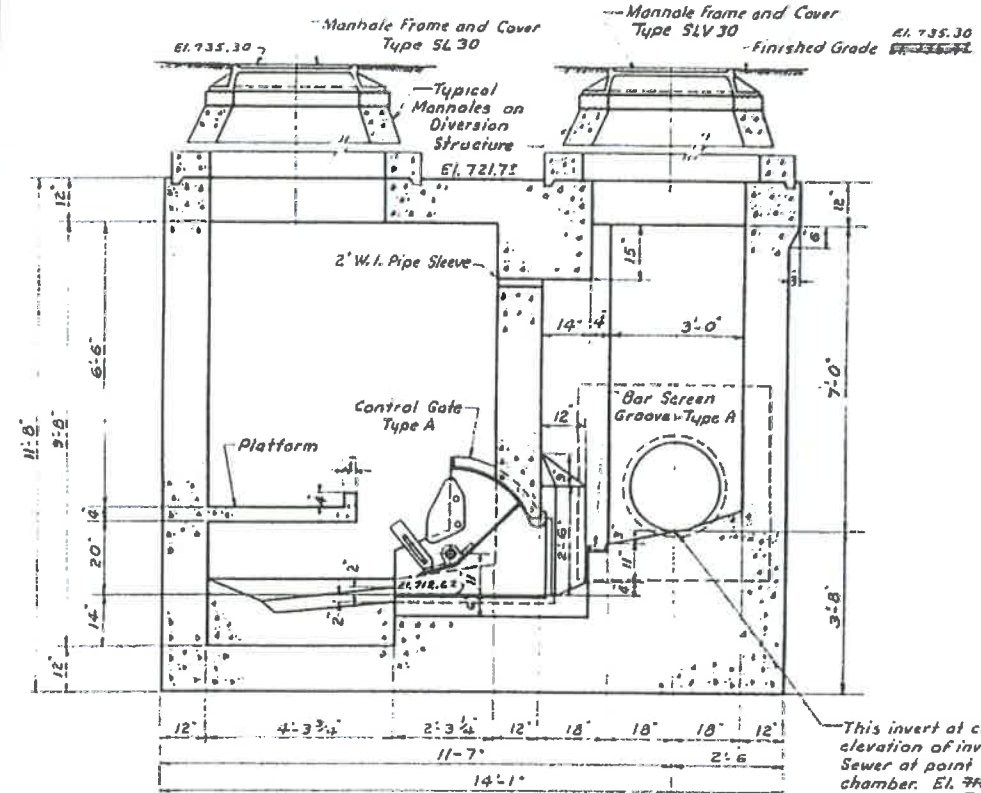
Note:
 Existing 24" Sewer to be
 removed between limits L and M.



PLAN



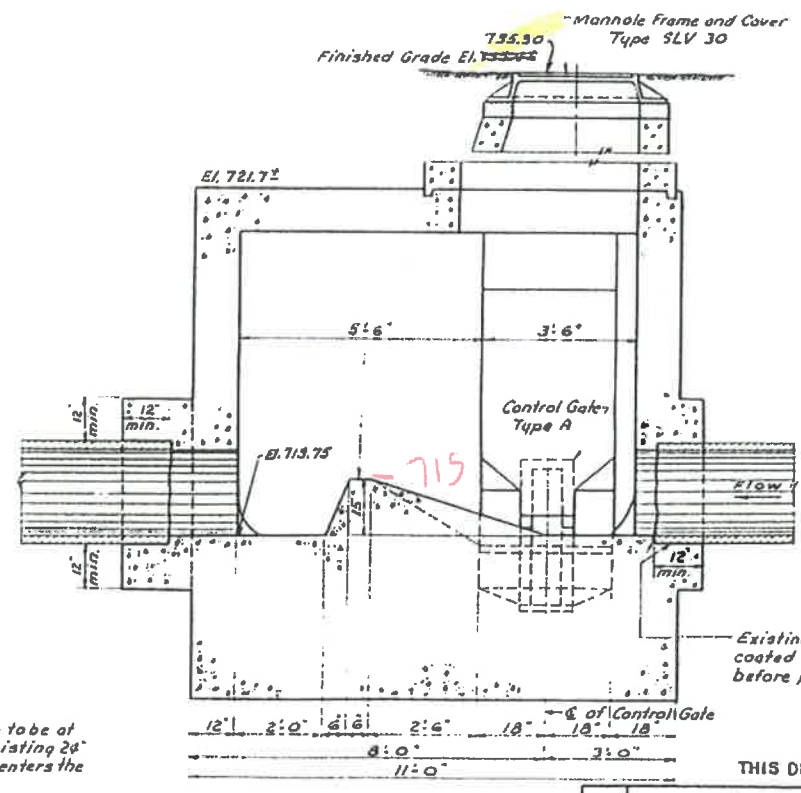
LOCATION PLAN
 SCALE 1" = 10'-0"



SECTION A-A

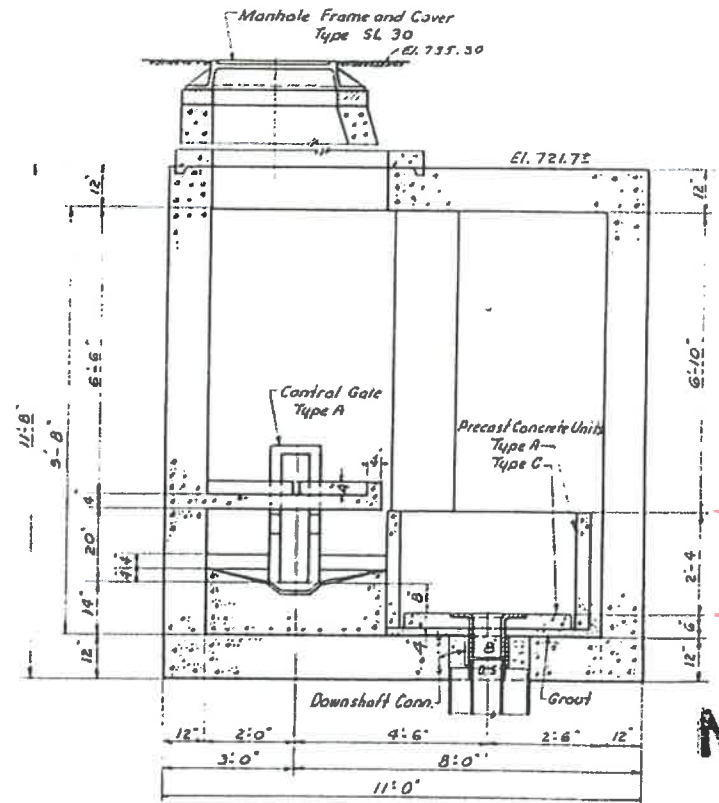
DRAWN BY M.V.R.
 TRACED BY M.V.R.
 CHECKED BY M.E.W.
 EXAMINED BY G.T.G.

This invert at center line to be of
 elevation of invert of Existing 24"
 Sewer at point where it enters the
 chamber. El. 713.75



B-B

Existing 29" Sewer to be cleaned and
 coated with neat cement grout just
 before pouring concrete envelope.



G-G

NOT TO SCALE

THIS DRAWING SUPERSEDES SHEET 13

REV.	DESCRIPTION	DATE	APP.	APPROVED
1	As BUILT Elev. Added			
2	Revision As Noted	9/21/77	J.R.D.	DEPUTY CHIEF ENGINEER REG. PROF. ENGR. PA. NO. 18 65-E
3	As Built 1981	2-16-81	J.R.D.	CHIEF ENGINEER REG. PROF. ENGR. PA. NO. 433
4				

ALLEGHENY COUNTY SANITARY AUTHORITY
 PITTSBURGH, PENNSYLVANIA

INTERCEPTING SEWERS **M-53**

MONONGAHELA RIVER
 NINE MILE RUN TO BRADDOCK
 DIVERSION STRUCTURE
 ON FOURTH STREET SEWER

SCALE 1" = 1'-0" 1957



CONTRACT NO. 1730
MONONGAHELA DEEP TUNNEL INTERCEPTOR CLEANING
PRE-BID MEETING AGENDA
Monday, July 25, 2022 10:00 AM
Microsoft Teams

INTRODUCTIONS AND KICKOFF

Milton Lenhart – ALCOSAN Project Manager
Tim Prevost – Manager of Wet Weather Programs
Mike Lichte – ALCOSAN Director of Regional Conveyance
Nate Carll – ALCOSAN Manager of Interceptor Systems
Jeffrey Livezey – ALCOSAN Environmental Construction Supervisor
Courtney Dumm – ALCOSAN Contract Administrator (Hatch)
Others introduced and annotated attendees on sign-in sheet.

This Pre-Bid Meeting is not mandatory. Please ensure that your clearly printed name and complete contact information are provided on the sign-in sheet. All addenda will be distributed via email.

Information presented at this meeting is for clarification purposes. Bidders should review bidding documents for all project details. Discussion items are not guaranteed to be part of the meeting minutes. Questions requiring formal response must be submitted in writing by the question deadline: *Monday, August 22, 2022 at 4:00 PM.*

MBE/WBE REQUIREMENTS

Article 2 Section 2.28 and Article 1 – Pages 1-21 to 1-25. MBE/WBE requirements in the Contract urge bidders to participate in meeting the 10-25% goal. ALCOSAN accepts DBE certification from the Port Authority, Allegheny County Department of General Services and Penn DOT. Any other certification will be reviewed on a case by case basis. Lack of submittal of MBE/WBE documentation is considered non-responsive and is cause for rejection of the bid.

ALCOSAN requires the submittal of a monthly MBE/WBE Utilization Report, which will accompany every pay estimate.

CONTRACT SUMMARY

Contract 1730, Monongahela Deep Tunnel Interceptor Cleaning Contract is a **180-day contract** for **heavy cleaning of 2,000 feet of deep tunnel interceptor**. Several contingent items are included to establish unit pricing for items that may be used, as necessary. **Contingent items are**

not guaranteed to be performed and will be used for situations as directed by the Owner or Owner's representative. The portion of the interceptor from the M-53 drop shaft to the M-50A access manhole is 54 inches in diameter. Pre-cleaning sonar will **not** be required for this contract. Post-cleaning sonar inspection will be performed for 2,000 lineal feet upstream and 500 lineal feet downstream of the M-50A access manhole.

The Contractor is responsible for acquiring any permits to complete the Work, as necessary. The Contractor should plan to minimize the impacts of their work to surrounding areas. The Contractor is also responsible for coordinating and securing access through private properties to perform the Work, including the execution of any licensing or agreements. The services of a licensed professional engineer shall be employed to facilitate this work, as necessary.

The Contract Estimate for the Work is \$1,000,000 to \$1,250,000.

CONSTRUCTION INSPECTION-WORKING HOURS

ALCOSAN will have on-site resident representatives assigned to review and monitor the work. Any work proposed outside pre-scheduled working hours as defined in Article 3.75 Working Hours requires 48-hours' notice for approval.

LEGAL NOTICE

Public Bid Opening **Thursday, September 1, 2022 at 11:00AM EST**. If the contractor is using a delivery service such as Fed Ex or UPS, they may wish to confirm delivery was made prior to this time. **The outer delivery service envelope should be clearly marked with the Contract number and the words "SEALED BID FOR CONTRACT NO. 1730, MONONGAHELA DEEP TUNNEL INTERCEPTOR CLEANING" on the outside.** It is the Contractor's responsibility to ensure the bid reaches the Authority by the deadline.

Contract Documents can be obtained from the Contract Clerks on the 2nd floor, O&M Building for non-refundable cost of \$100.00.

Questions should be emailed to milton.lenhart@alcosan.org. Questions may also be faxed to the attention of Milton Lenhart at **412-734-6209**. Please let Milton Lenhart know if a fax has been sent.

All questions shall be submitted no later than **4:00PM EST on Monday, August 22, 2022**.

Attendance at the Pre-Bid Meeting is **not mandatory**.

BIDDING DOCUMENTS (ARTICLE 1)

Bidders should review Article 1 thoroughly.

Submission of Bid: All Article 1 documents must be completed and submitted with the bid.

Lowest responsive Bidder will be based on the sum of Bid Items 1 through 3 and Contingent Bid Items C-4 and C-5.

Only the Article 1 Bid Forms and supporting documents need to be submitted in the bid envelope, not the entire specifications book. The Bid shall be properly executed and accompanied by all Bonds, Certificates, Questionnaire Forms and other supporting information & documents, as described in the Bid Form. Include proper signatures, seals, and dates. Include written and numerical values for each subtask and for the total bid. Submit Bid Security via certified check or bid bond in the dollar amount equal to 10% of the bid amount

The intent is to award this contract at the September 22, 2022 Board Meeting and issue an August-September 2022 Notice to Proceed.

INFORMATION FOR BIDDERS (ARTICLE 2)

Bidders are urged to review Article 2 in preparing their bids.

2.3 Location: Monongahela interceptor system. Electronic maps and drawings included on portable media in the Appendices attached to Contract Documents.

2.4 Description of Bid Items:

Item No. 1, 2, and 3 are for cleaning and post-cleaning sonar inspection of the Monongahela interceptor system from M-53 to M-50A. Item No. 1 includes mobilization/demobilization, Item No. 2 includes cleaning and debris removal, Item No. 3a includes deep tunnel cleaning, and Item No. 3b includes post-cleaning sonar inspection.

Items No. C-4 and C-5 are to be used at the direction of the OWNER to conduct non-programmed or emergency work. These items include providing hydro-vac truck, light cleaning, etc. to the Authority on a unit rate basis. These items may not be used in conjunction with the programmed work and may be ordered independently of program work scheduling, and should be priced as such. *Contingent items may only be used in conjunction with other items, as specified in the Contract documents.* Item C-5 may be prorated if a crew consists of less than the members identified in the item is used.

2.5 Sewer Flow Control

The Contractor will be responsible to prevent sewer backups, flooding, damage to upstream connections when under plugging operations. No work will be considered when storms or inclement weather is imminent.

2.6 Debris Disposal

The Debris Disposal is considered incidental to Task 2: Sewer Pipe Cleaning and Debris Removal

2.7 Sealed Bids to be submitted to the Contract Clerk at ALCOSAN's Engineering Department on or before **Bid Opening time and date of 11:00 AM, Thursday, September 1, 2022**. Late bids will be treated as "nonresponsive" and returned to Bidder unopened. It is the Bidders' responsibility to ensure that the bids are received by ALCOSAN on time. If using a delivery service, make sure the **bid package is clearly marked, "SEALED BID FOR CONTRACT NO. 1730, MONONGAHELA DEEP TUNNEL INTERCEPTOR CLEANING" on the outside.** If a Bid is submitted with conditions or exceptions, or not

in conformance with the terms and conditions of the Contract Documents, it may be rejected.

2.8 Supplementary Information Package (SIP): Experience, Equipment Subcontractors.

SIP to be submitted at the request of the OWNER and prior to Contract award, **SIP should be submitted to the Authority within 5 days of bid submission, when requested.** The SIP includes important documents required prior to the start of work and includes the following:

1. The information requested in the Information for Bidders Section 2.27 entitled "**Qualifications and Experience of Bidders.**"
2. List of Subcontractors, experience, equipment, etc.
3. The Contractor shall provide a **detailed workplan of the equipment and methods that will be employed for sewer flow control.** Dry weather overflows are strictly prohibited in the Consent Decree. The Contractor will be solely responsible for any damages or overflows that occur due to the activities under this Contract.
4. The Contractor will prepare a **Site-Specific Health and Safety Plan.** This will include all field personnel and contact information, emergency routes and maps to the nearest hospital, and Confined space entry certifications for all personnel.
5. **Inspection work plan**
Inspection work plan including schedule and order of drop shaft inspections, CCTV equipment, plan to address access limitation, number of and description of crew members, and expected permits.
6. **All required insurance certificates and documentation**

Information can be found in Article 3, Exhibit A

- 2.10 ALCOSAN reserves the right to reject any and all bids. The decision to award the contract is expected within (60) days from the date of the Bid Opening.
- 2.11 Contract Documents may be purchased from ALCOSAN's Engineering Clerks Office. A fee of \$100.00 is required for each set of Contract Documents.
- 2.14 If any alleged errors are noted in the Contract Documents, Bidders should immediately notify Milton Lenhart in writing. If confirmed, Addenda will be sent to all prospective Bidders known to have received the Contract Documents.
- 2.15 Information for mapping and drawings are provided on portable media included with the appendices in the Contract Documents and are for reference only.
- 2.16 Bidders should thoroughly investigate the job site and the working conditions in formulating their bid. Any questions received in writing prior to the close of the question period will be answered through an addendum. The Appendices contain location maps and

record drawings to assist in making the bid and locating the drop shafts considered for inspection.

- 2.17 Quantities are estimated as accurately as possible for base items and contingent quantities have been assigned to cover potential work items during the Contract period.

Contingent items of Work shall be done when ordered by the Engineer and shall be paid for at the contract unit bid price. The purpose of the contract items designated in the bid form as "C" is to establish unit prices for work not included in other bid items. The Engineer has the right to order that contingent work be provided in smaller or larger quantities than the estimated quantity indicated in the Bid Form. **The Contractor shall not have any right to demand payment for, and will not be paid for, any costs associated with the item, including, but not limited to overhead and profit, due to the fact that the item was not used in the work or was used in smaller or larger quantities than those indicated in the bid form. The Contract Sum shall be subject to adjustment according to final measured quantities and the unit prices in the bid will apply to such final quantities.**

- 2.19 The Acknowledgment page attached to Addendum No. 1 and subsequent addenda, as applicable, are to be signed and returned immediately via email to contract.clerks@alcosan.org and also included with the Bidder's Proposal.

- 2.22 Bid Security 10% of the Total Lump Sum Price certified check or bid bond for that amount.

Attachment A: Contractors and subcontractors shall review the Labor Stabilization Agreement and execute that agreement along with a Letter of Assent prior to commencing work.

GENERAL CONTRACT CONDITIONS (ARTICLE 3)

Bidders should review Article 3 thoroughly.

Access coordination is considered incidental to the bid price, no additional compensation will be considered for any permits. ALCOSAN would like to know how the Contractor plans on bringing equipment to sites where truck access is limited.

- 3.50 Bonds: Performance and Payment bonds applicable to this Contract.
- 3.66 Compliance with Health, Safety and Environmental Laws: ALCOSAN approval of Site-Specific Health and Safety Plan required prior to commencing work.
- 3.68 Working Hours: Work performed at the Job Site shall be performed normal working hours (7:00 A.M. to 5:00 P.M. Monday through Friday) or at other times approved by the Owner. Work performed during the Owner holidays, and weekends shall be with hours overseen by the Construction Manager.

Exhibit A – Insurance Requirements: Certificates required before any work begins, this may include Railroad Protective Liability Insurance (if required).

CONTRACT AGREEMENT (ARTICLE 4)

Bidders should review Article 4 thoroughly.

Substantial Completion Milestone for Contract 1730: 180 Calendar days from NTP.

Liquidated Damages for missing set Milestones:

- Substantial Completion of Contract No. 1730: \$500/day

BONDS, CERTIFICATES AND STATEMENTS (ARTICLE 5)

Bidders should review Article 5 thoroughly.

Performance Bond, Labor and Material Payment Bond, Contractors Certificate of Satisfaction. A Maintenance Bond will not be required for this contract unless structure modifications are made.

SPECIFICATIONS (ARTICLE 6)

The technical specifications are located in Article 6. The Bidders should review Article 6 thoroughly. The Appendices supplied on portable media includes the record drawings, location map, sediment profile, HASP Safety Memorandum, baseline map, M-50A construction photos, and previous RedZone inspections.

Submittals, communications, pay estimates and other documentation will be handled using the online e-Builder application.

Miscellany for Addendum

The contract has a couple of pages of corrections. These will be covered in the Addendum and the Addendum will be acknowledged and returned according to the contract documents.

QUESTIONS?

Brief review of the discussion during the pre-bid meeting

- Pipe is 54" diameter and approximately 60'-70' deep
- There is one access manhole involved in the project M-50A, M-53 is an 8-inch diameter drop shaft and a tag line will not be useable at that drop shaft. The drawings for M-50A, M-52 and M-53 are attached to the addendum, M-51 was included in the contract.
- CSX RR is crossed at Braddock Ave which is a double marked crossing of the tracks, no flaggers should be required for the crossing.
- Item C-4 Hourly Rate for Crew Effort to Correct for Unforeseen Downtime Tasks, the work plan should identify possible situations to utilization this item.
- M-50A invert of the 54-inch pipe is approximately 673. ALCOSAN wet well is at 660 normally and this section of the pipe should be running at gravity during dry weather conditions early in the day. The flow will back up into the access shaft as water use picks up during the morning.
- Drawdowns are typically attempted beginning Monday midnight to 6AM Tuesday morning and Wednesday Midnight to 6AM Thursday. The drawdowns to 635-feet are performed when conditions at the plant are favorable to run the pumps to effect the drawdown. Once per month typically the first Thursday of the month the drawdown is pulled to 629 at the ALCOSAN wet well.
- The volute opening at the 54-inch pipe is 3-feet 2-inches in diameter.

PRE-BID MEETING

1730-Momongahela and Ohio Deep Tunnel Interceptor Cleaning

Monday, July 25, 2022 at 10:00 AM

PM: Milton Lenhart

Clerk: Sean Robertson

Full Name	User Action	Timestamp
Kathleen P. Uniatowski	Joined	7/25/2022, 9:43:56 AM
Milton Lenhart P.E.	Joined	7/25/2022, 9:51:53 AM
Timothy D. Prevost, P.E.	Joined	7/25/2022, 9:59:18 AM
Zachary Hughes	Joined	7/25/2022, 9:59:27 AM
Raymond Meyer	Joined	7/25/2022, 10:01:48 AM
Joe Schotthoefer (Guest)	Joined	7/25/2022, 9:59:37 AM
Craig Murdock MDG Enviro	Joined	7/25/2022, 9:56:01 AM
Mike Long	Joined	7/25/2022, 9:59:06 AM
Mark Baner	Joined	7/25/2022, 9:57:24 AM
Todd Galletti	Joined	7/25/2022, 9:58:25 AM

kathleen.uniatowski@alcosan.org

milton.lenhart@alcosan.org

timothy.prevost@alcosan.org

zachary.hughes@alcosan.org

raymond.meyer@alcosan.org

joe@doetschenv.com

cmurdock@gba-diversity.com

long@robinsonpipe.com

mbaner@spinielloco.com

tgalletti@spinielloco.com

ALCOSAN

ALCOSAN

ALCOSAN

ALCOSAN

ALCOSAN

Doetsch Environmental Services

MDG Environmental

Robinson Pipe Company

Spiniello Companies

Spiniello Companies