Allies & Ross
Management and Development Corporation
200 Ross Street
Pittsburgh, PA 15219

412-456-5000

February 2, 2023

Allies & Ross Management and Development Corporation

IFB #2023-39
Northview Midrise Underground Water Storage Tank

ADDENDUM NO. #2

This addendum issued February 2, 2023 becomes in its entirety a part of the Invitation for Bid IFB #2023-39 as is fully set forth herein:

Item 1: Q: The Addendum #1 Item 3 states "the meter and waterlines to the meter vault and storage tank have been relocated" I am confused as to the extent of the scope of work involved. The addendum drawings have the tank, meter vault, and piping clouded out. If the vault and piping have been relocated, why is it included in the clouded work. The scope of the tank installation is not clearly defined. Can you please clearly identify the scope of work to be included?

A: The vault, water lines, and tank were relocated from the locations shown on the original drawings issued as part of the original IFB #2023-39: drawings Dated December 10, 2021 with Revision 16 "Revised 2023/01/11." The cloud on the drawings included as part of Addendum No. #1 show the changes from the drawings issued as part of the original IFB, not the scope. Annotated drawings C552 have been attached to this addendum. All work shown within the bubble (excavation, tank, piping, valving, vaults, back fill, etc., for a complete functioning fire tank) is the responsibility of this contractor. All other work shown outside of the bubble is by the contractors selected for IFB#2022-37. Final connections between the work in IFB #2023-39 and the work covered in IFB#2022-37 is by the contractor for IFB #2023-39.

Item 2: Q: The scope of work section does not define the extent of work involved. Can you please clarify the scope.

A: Annotated drawings C552 have been attached to this addendum. See also the answer to Item 1.

Item 3: Q: If piping is to be included in the scope can you please provide the type of material. The plans do not specify the material makeup, only the sizing.

A: All piping materials shall comply with specification Section 33 10 00 – Water Utilities and the Allegheny County Plumbing Code. Where D.I.P. is specified, it may be changed to other materials permitted by Section 33 10 00 provided it complies with and the Allegheny County Plumbing Code. All piping materials and methods should be consistent throughout the project. Do not mix materials.

Item 4: Routing and configuration for the fire tank filler and the building fire service has been modified. See attached annotated drawings C552 Labeled "ADDENDUM #2 ANNOTATIONS SHOWING PROJECT SCOPE FEBRUARY 02/2023" and C554 "ADDENDUM #2 UPDATED FIRE SERVICE VAULT FEBRUARY 02/2023"

Item 5: On Drawing FP-000: Provide two inline Armstrong 6x4LB-F Vertical In-line fire pumps, one to be standby, one to be duty. The pump shall be capable of providing 450 gpm @20 psi. The pumps shall be installed downstream of the double check valve from the tank. The pumps shall be provided with isolation valves around the pump as well as a balancing valve downsteam of the pumps to be able to set the flow accordingly. Electrical work associated with the pumps shall be provided under a separate contract.

Item 6: Is the job still bidding on 2/9/23? Please confirm.

A: Yes, please see item 8 for confirmation and further detail.

Item 7: Is a bidders list available that you can share with so as we would like to reach out to all interested bidders?

A: Please refer to the attached Pre-Bid attendance Sheet. Once bids are received a bidder's list will be posted.

Item 8: The Allies & Ross Management and Development Corporation will **only be accepting physical proposals dropped off in person from 8:00 AM until the closing time of 9:00 AM on February 9, 2023** in the lobby of 100 Ross St. Pittsburgh, PA 15219. Proposals may still be submitted electronically: https://www.dropbox.com/request/wWhVn8RP8Nr4rcHgzXOL and may still be mailed via USPS at which time they will be Time and Date Stamped at 100 Ross Street 2nd Floor, Suite 200, Pittsburgh, PA 15219. All proposals must be received at the above address no later than February, 9 2023 at 9:00 a.m., regardless of the selected delivery mechanism.

END OF ADDENDUM NO. #2

Kim Detrick
Kim Detrick (Feb 2, 2023 15:06 EST)

Mr. Kim Detrick
Agent

Feb 2, 2023
Date

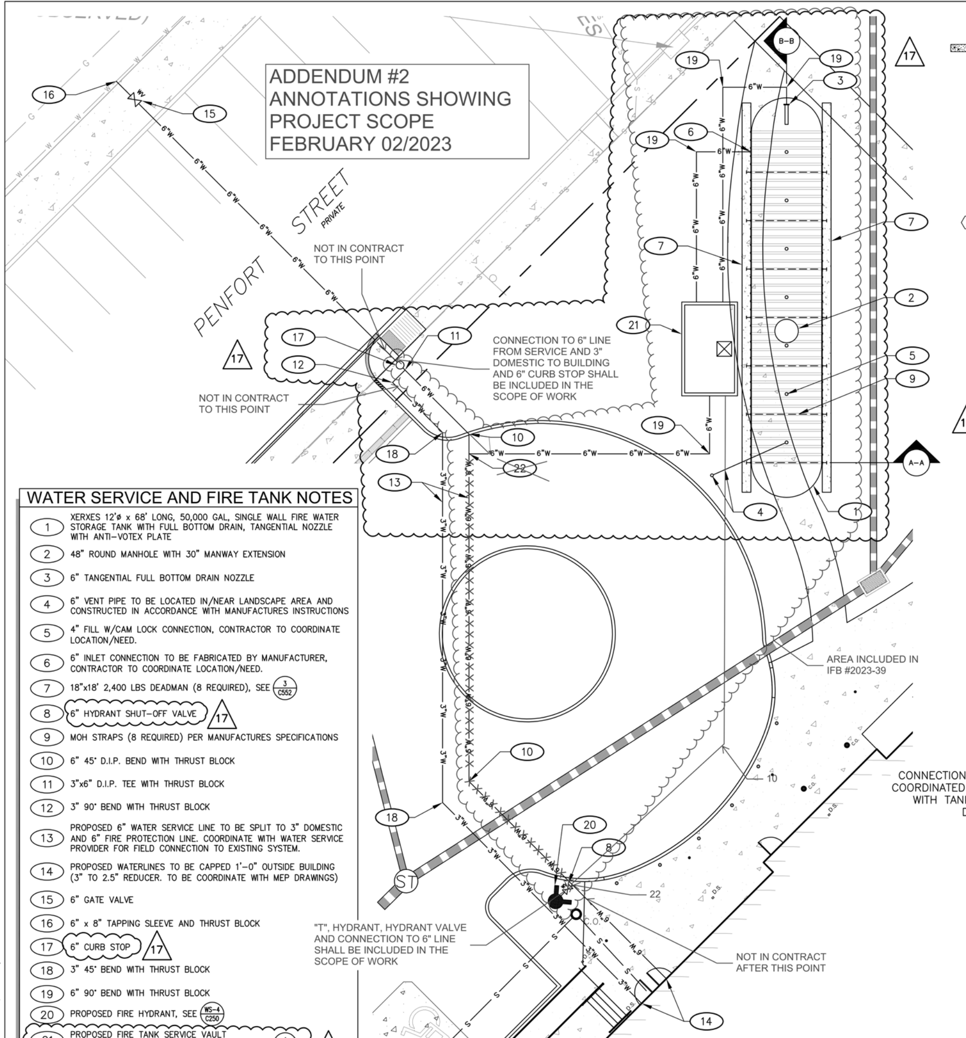
ARMDC - PRE-SUBMISSION SIGN IN SHEET - ARMDC

Project Name and Number	Date Issued	Due Date:	Pre Bid Meeting
ARMDC IFB #2023-39 Northview Midrise Underground Water Storage Tank	January 17, 2023	February 9, 2023 at 9:00AM	January 25, 2023 at 9:00 AM

Company Name	Company Address	Phone Number	Fax Number	E-Mail	Representative
HACP Procurement	201 Kirkpatrick Street Pittsburgh, PA 15219	412-643-2900	412-456-5007	Samantha.Tirk@hacp.org	Samantha Tirk
HACP Procurement	201 Kirkpatrick Street Pittsburgh, PA 15219	(412) 643-2768	412-456-5007	Renelda.Colvin@hacp.org	Renelda Colvin
HACP Procurement	201 Kirkpatrick Street Pittsburgh, PA 15219	(412) 643-2869	412-456-5007	Anna.Jasim@hacp.org	Anna Jasim
HACP Modernization and Development	100 Ross Street 2nd Floor Pittsburgh, PA 15219	(412) 643-2738		Jerome.Frank@hacp.org	Jerome Frank
HACP	2305 Bedford Avenue Pittsburgh, PA 15219	(412) 643-2835		Lloyd.Wilson@hacp.org	Lloyd Wilson
PDDM Solutions	17 E Bruceton Road Pittsburgh, PA 15236	(330) 301-8126		jbrezina@pddmsolutions.com	Joel Brezina

Project Name and Number	**Date Issued**	**Due Date:**	**Pre Bid Meeting**
ARMDC IFB #2023-39 Northview Midrise Underground Water Storage Tank	**January 17, 2023**	**February 9, 2023 at 9:00AM**	**January 25, 2023 at 9:00 AM**

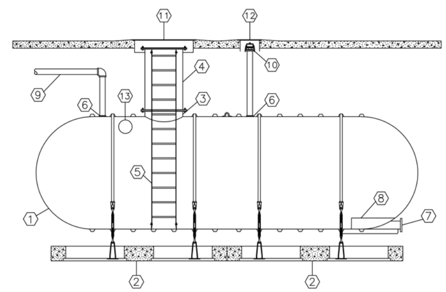
Company Name	Company Address	Phone Number	Fax Number	E-Mail	Representative
Fukui Architects	**205 Ross Street Pittsburgh, PA 15219**	**(412) 281-6001**		**e.kento@fapc.com**	**Kento Ohmori**



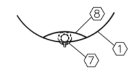
WATER SERVICE AND FIRE TANK NOTES

1. XERXES 12'ø x 68' LONG, 50,000 GAL, SINGLE WALL FIRE WATER STORAGE TANK WITH FULL BOTTOM DRAIN, TANGENTIAL NOZZLE WITH ANTI-VOTEX PLATE
2. 48" ROUND MANHOLE WITH 30" MANWAY EXTENSION
3. 6" TANGENTIAL FULL BOTTOM DRAIN NOZZLE
4. 6" VENT PIPE TO BE LOCATED IN/NEAR LANDSCAPE AREA AND CONSTRUCTED IN ACCORDANCE WITH MANUFACTURES INSTRUCTIONS
5. 4" FILL W/CAM LOCK CONNECTION, CONTRACTOR TO COORDINATE LOCATION/NEED.
6. 6" INLET CONNECTION TO BE FABRICATED BY MANUFACTURER, CONTRACTOR TO COORDINATE LOCATION/NEED.
7. 18"x18' 2,400 LBS DEADMAN (8 REQUIRED), SEE 3/C552
8. 6" HYDRANT SHUT-OFF VALVE (17)
9. MOH STRAPS (8 REQUIRED) PER MANUFACTURES SPECIFICATIONS
10. 6" 45° D.I.P. BEND WITH THRUST BLOCK
11. 3"x6" D.I.P. TEE WITH THRUST BLOCK
12. 3" 90° BEND WITH THRUST BLOCK
13. PROPOSED 6" WATER SERVICE LINE TO BE SPLIT TO 3" DOMESTIC AND 6" FIRE PROTECTION LINE. COORDINATE WITH WATER SERVICE PROVIDER FOR FIELD CONNECTION TO EXISTING SYSTEM.
14. PROPOSED WATERLINES TO BE CAPPED 1'-0" OUTSIDE BUILDING (3" TO 2.5" REDUCER. TO BE COORDINATE WITH MEP DRAWINGS)
15. 6" GATE VALVE
16. 6" x 8" TAPPING SLEEVE AND THRUST BLOCK
17. 6" CURB STOP (17)
18. 3" 45° BEND WITH THRUST BLOCK
19. 6" 90° BEND WITH THRUST BLOCK
20. PROPOSED FIRE HYDRANT, SEE WS-4/C250
21. PROPOSED FIRE TANK SERVICE VAULT (TO BE COORDINATED WITH MEP DRAWINGS) SEE 1/C554 (17)
22. 6"x6" D.I.P. TEE WITH THRUST BLOCK

EXPANDED VIEW OF WATER SERVICE LINE AND FIRE TANK LOCATION (1)
SEE GRAPHIC SCALE



NO.	DESCRIPTION
1	XERXES SINGLE WALL FRP TANK
2	XERXES PRECAST DEADMAN SYSTEM W/HOLD DOWN STRAP AND TURNBUCKLE ASSEMBLY
3	30" MANWAY WITH BLANK COVER
4	30" MANWAY EXTENSION
5	FRP LADDER
6	4" NPT SERVICE FITTING
7	6" TANGENTIAL FULL BOTTOM DRAIN NOZZLE
8	~~FRP ANTI-VORTEX PLATE~~
9	6" VENT PIPE
10	4" FILL W/CAM LOCK CONNECTION
11	48" ROUND MANHOLE
12	16" ROUND MANHOLE
13	6" FILL NOZZLE



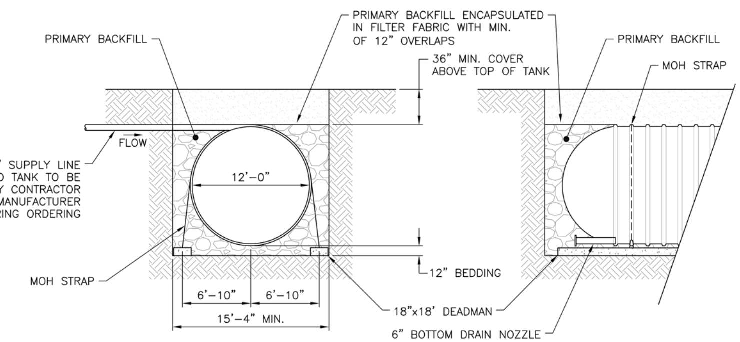
INTERNAL VIEW

XERXES® a ZCL company

NOTES:
1. CONTRACTOR SHALL BE RESPONSIBLE TO ADHERE TO ALL MANUFACTURER'S INSTRUCTIONS FOR HANDLING, STORING, INSTALLATION, TESTING, AND OPERATION. DISCREPANCIES BETWEEN THE TANK HANDLING, STORING, INSTALLATION, TESTING, OR OPERATION OF THE TANK SHOWN HEREIN AND THE MANUFACTURER'S INSTRUCTIONS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY.
2. THE GEOTECHNICAL ENGINEER OR THEIR REPRESENTATIVE SHALL INSPECT THE EXCAVATION AND CONFIRM SOIL CONDITIONS ARE ADEQUATE FOR TANK INSTALLATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. THE MAXIMUM BURIAL DEPTH FOR STANDARD TANKS IS 7 FEET. CONTRACTOR SHALL CONTACT TANK MANUFACTURER IF A DEVIATION FROM THE TANKS MAXIMUM BURIAL DEPTH IS REQUIRED.
4. IF THERE IS AN UNATTACHED RISER, IT MUST NOT TRANSMIT LOAD FROM THE SURFACE PAD TO THE TANK. A MINIMUM SPACE OF 6 INCHES IS REQUIRED BETWEEN THE BOTTOM OF THE RISER AND THE TOP OF THE TANK.
5. SUFFICIENT CLEARANCE SHALL BE PROVIDED TO ALLOW THE DEADMEN TO BE SET OUTSIDE OF THE TANK "SHADOW."
6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FOLLOW APPLICABLE OSHA, LOCAL, STATE, AND FEDERAL RULES AND REGULATIONS PERTAINING TO SAFE EXCAVATION AND TANK INSTALLATION.
7. CONTRACTOR SHALL LOCATE AND PROTECT ANY UTILITY INSTALLATIONS NEAR THE EXCAVATION BEFORE OPENING THE EXCAVATION.
8. ONLY ANCHOR STRAPS AND HARDWARE PROVIDED OR OTHERWISE APPROVED BY THE TANK MANUFACTURER SHALL BE USED FOR TANK INSTALLATION.
9. WHEN INSTALLING ANY SIZE TANK, AND WHEN USING MANUFACTURER'S D-RING/D-RING ANCHOR STRAPS AND PREFABRICATED DEADMEN, THE DEADMEN ARE TO BE PLACED SO THAT THEIR TOPS ARE EVEN WITH THE BOTTOM OF THE TANK. SEE MANUFACTURER'S INSTALLATION AND OPERATION GUIDELINES FOR FURTHER INFORMATION.
10. CONTRACTOR SHALL COORDINATE LOCATIONS OF FILL NOZZLE AND DRAIN NOZZLE WITH TANK MANUFACTURER.

*DETAIL SHOWN REPRESENTS GENERALIZED DETAIL FROM TANK MANUFACTURER. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE TANK ASSEMBLY INCLUDING FILL NOZZLE LOCATION AND/OR FILL W/CAM CONNECTION DURING TANK ORDER WITH MANUFACTURER.

GENERAL FIRE WATER STORAGE, FULL BOTTOM DRAIN, TANGENTIAL NOZZLE WITH ANTI-VORTEXT* (2)
SEE GRAPHIC SCALE



SECTION A–A

SECTION B–B

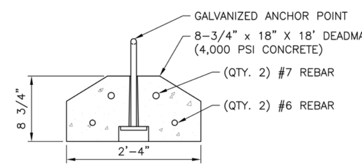
PRIMARY BACKFILL REQUIREMENTS:

1. PRIMARY BACKFILL MATERIAL IS TO BE CLEAN, FREE-FLOWING, AND FREE OF DIRT, SAND, LARGE ROCKS, ROOTS, ORGANIC MATERIALS, DEBRIS, ICE AND SNOW.
2. TANKS SHALL BE INSTALLED USING SELECT ROUNDED STONES OR CRUSHED STONES AS PRIMARY BACKFILL MATERIAL.
3. NO BACKFILL MATERIAL SHALL BE FROZEN OR CONTAIN LUMPS OF FROZEN MATERIAL ANY TIME DURING COMPACTION OR PLACEMENT.
4. USE COARSE AGGREGATE (ROUNDED STONES OR CRUSHED STONES) AS PRIMARY BACKFILL MATERIAL. SEE SIZE REQUIREMENTS FROM TANK MANUFACTURER.
5. PRIMARY BACKFILL MATERIAL SHOULD BE A MIX OF WELL-GRADED STONES, GENERALLY CONFORMING TO THE 6, 67, 7 AND 8 SIZES OF ASTM'S C33.
6. NO MORE THAN 5% OF PRIMARY BACKFILL MATERIAL SHALL PASS THE #8 SIEVE.
7. MATERIALS LIKE SOFT LIMESTONE, SANDSTONE, SEASHELLS OR SHALE THAT BREAK DOWN OVER TIME SHALL NOT BE USED FOR TANK INSTALLATION.
8. REFER TO GEOTECHNICAL RECOMMENDATIONS AND MANUFACTURER'S INSTRUCTIONS FOR BACKFILL AND COMPACTION REQUIREMENTS.
9. ENCAPSULATE PRIMARY BACKFILL IN PENNDOT CLASS 4, TYPE A GEOTEXTILE WITH A MINIMUM OVERLAP OF 12 INCHES.

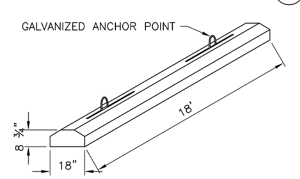
BACKFILL MATERIAL AND GEOTEXTILE NOTES:

1. USING OTHER THAN SPECIFIED BACKFILL MATERIAL COULD CAUSE TANK FAILURE OR COULD RESULT IN DAMAGE TO THE TANK AND/OR SURROUNDING PROPERTY. USING BACKFILL MATERIAL OTHER THAN THAT SPECIFIED HEREIN WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE TANK MANUFACTURER MAY VOID APPLICABLE LIMITED WARRANTY.
2. IT IS RECOMMENDED THAT THE SUPPLIER OF BACKFILL MATERIAL PROVIDE THE TANK INSTALLER AND TANK OWNER WITH WRITTEN CERTIFICATION THAT THE MATERIAL CONFORMS TO ASTM C 33, ASTM D 448, AASHTO M 43, AND ANY OTHER APPLICABLE SPECIFICATIONS.

SECTION OF FIRE TANK INSTALLATION (4)
SEE GRAPHIC SCALE



NOTES:
1. XERXES DEADMAN ARE ENGINEERED AND DESIGNED TO BE USED WITH XERXES TANKS.
2. FOR CAST IN PLACE OR DEAD CONSTRUCTED OFF SITE, REFER TO XERXES INSTALLATION MANUAL AND OPERATING GUIDELINES FOR PROPER SIZING AND ANCHOR POINT SPECIFICATIONS



2,400 LBS DEADMAN DETAIL (3)
SEE GRAPHIC SCALE

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seal

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL ENGINEER — MATTHEW E. SMITH — PE-053534-E

general notes

1. Any conflicts in the drawings or between new and existing construction shall be referred to the Architect.
2. Contractor shall verify all dimensions and existing conditions in the field and shall advise **Fukui Architects, Pc** of any discrepancies between, additions to, deletions from, or alterations to any and all conditions prior to proceeding with any phase of work. **Do not scale drawings.**
3. All work shall be installed in accordance with applicable codes and regulations.
4. Contractor shall be responsible for the patching, repairing, and preparations of all existing floor, wall, and ceiling surfaces as required to receive scheduled finishes.
5. All items shown on drawings are finished construction assemblies. Contractor shall provide and install all material required for finished assemblies.
6. All reports, plans, specifications, computer files, field data, notices, and other documents and instruments prepared by the Architect as instruments of service shall remain the property of the Architect. The Architect shall retain all common law statutory, and other reserved rights, including the copyright thereto.

revisions

- 1 REVISED 2022/02/09
- 2 REVISED 2022/03/04
- 3 REVISED 2022/03/30
- 7 REVISED 2022/04/29
- 17 REVISED 2023/01/23

project title

Owner:
HACP
200 Ross Street
Pittsburgh,PA,15219

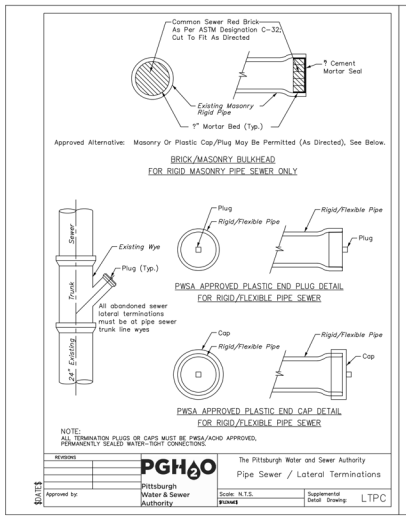
Client:
Allies & Ross Management and Development Corporation (ARMDC)
200 Ross Street
Pittsburgh, PA 15219

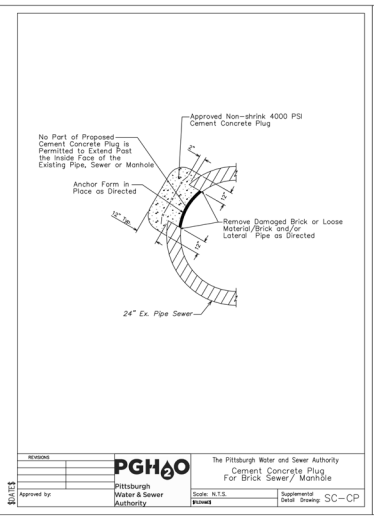
Project Location:
Northview Heights Midrise
250 Penfort Street
Pittsburgh, PA 15214

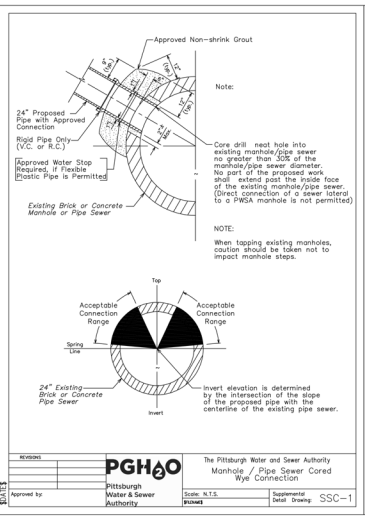
drawing title

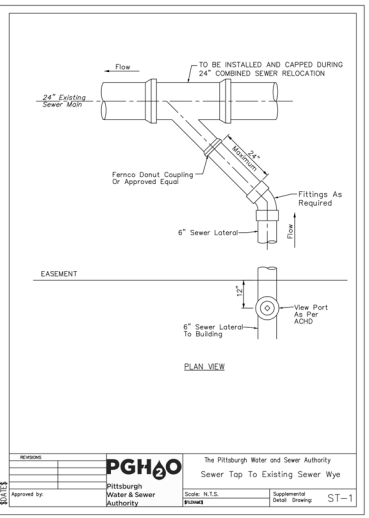
FIRE TANK DETAILS

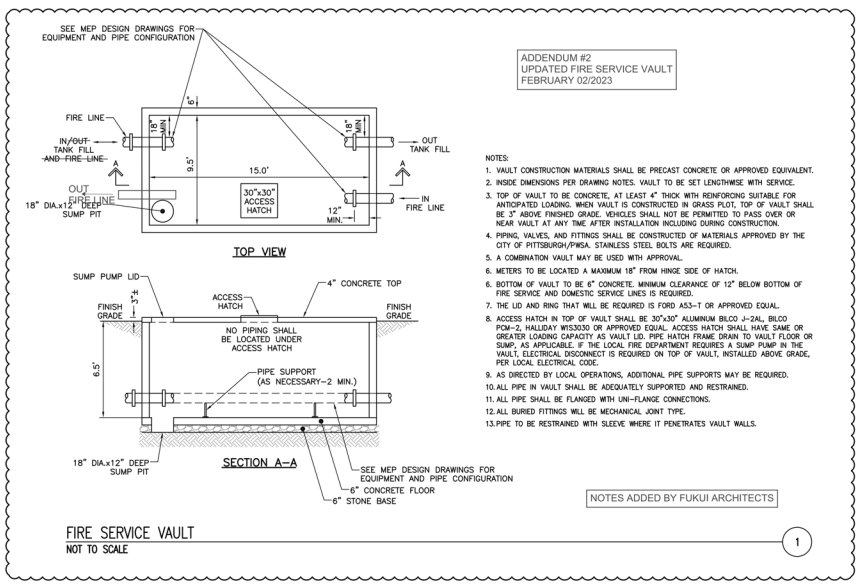
scale	Sheet No.
As Noted	C552
date December 10, 2021	
no. / of.	Project #2040











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PWSA DETAILS 2 OF 2

scale	Sheet No.
As Noted	C554
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