



ADDENDUM NO. 1

Greater New Haven Water Pollution Control Authority

Lower Mill River Interceptor Rehabilitation – Phase 2 Project No. SSR 2025-01

TO: ALL PLAN HOLDERS
DATE: December 8, 2025

This addendum shall be attached to the Contract Documents of Project No. **SSR 2025-01**. Each bidder shall acknowledge receipt of this Addendum by entering the Addendum number and date received in the space provided in **Section §102-20 Itemized Proposal**.

The Specifications and Bid Documents are hereby modified as follows:

1. **Modification to Section §102-20 Itemized Proposal**

Replace Schedule of Bid Items with the enclosed pages (Attachment 1).

- A. The Authority has added a new bid item: Item 201 – Clearing and Grubbing: item includes but it is not limited to clearing, grubbing, and the removal and replacement of existing fences for construction purposes. Payment for this work will be at the contract lump sum price for bid Item 201.
- B. The Authority has added a new bid item: Item 523.04 – Sewer Manhole Reconstruction: Payment for this work will be at the contract lump sum price for bid Item 523.04.
- C. On the revised Schedule of Bid Items, Item 520.01.21 – 42” Sanitary Sewer CIPP Lining is now referred to as Alternative No. 1.
- D. The Authority has added a new bid item: Item 525 – 42” Sanitary Sewer Machine Spiral Wound PVC Liner. This is Alternative No. 2 bid item.
- E. The Base Bid submitted by the Contractor must be a single, comprehensive figure that already incorporates the cost for one of the two specified sewer pipe rehabilitation alternatives: Alternative 1 – CIPP Lining, or Alternative 2 – Machine Spiral Wound PVC Liner. The Contractor shall select the alternative they intend to execute and include its full cost in the Base Bid amount. The price for the alternative not selected by the Contractor (either Alternative 1 or Alternative 2) must be clearly shown on the Schedule of Bid Items as Zero (\$0.00).

2. Modification to Appendix D – Contract Drawings

Enclosed (Attachment 2) is a copy of the revised drawings sheets No. 1 through 4. Revised drawings now include manhole top of frame (TF) and invert (INV) elevations for reference.

3. Modification of Technical Specifications, Item 205 – Trench Excavation and Backfill

Add the following:

In consideration of the sensitive location of the project, all excavation work associated with this item must be performed by a pre-qualified subcontractor. The Contractor is required to select and utilize a subcontractor exclusively from the Authority's List of Approved Excavation Subcontractors:

- Laydon Construction: Jeff Polley -(203) 654-0012; jpolley@laydon.net
- Burns Construction: Anthony DiVirgilio -(203) 395-5314; adivirgilio@burnsconstruction.com
- Blakeslee Arpaia Chapman: Marshall Renkowsky -(203) 496-1437; mrenkowsky@bac-inc.com
- John J. Brennan Construction: Gary DeRosa -(203) 395-2121; gary@jbbrennan.com
- C.J. Fucci Construction: Lee Reopell - (203) 999-3714; lreopell@cjfucci.com

4. Modification of Technical Specifications, Item 523 – Sanitary Sewer Manholes

Replace the Reconstruction sections with the following.

MEASUREMENT and PAYMENT:

3. Reconstruction - The unit price for Sewer Manhole Reconstruction shall include all labor, materials, and equipment necessary to complete the work as shown on the Plans and specified herein. Specifically, this includes modifications to manholes selected by the Contractor for the insertion and installation of the rehabilitation liners, as well as any manholes modified to accommodate the installation, and operation, of the sewer bypass pumping system.

In consideration of the sensitive location of the sewer manholes, including RWA's property, all excavation work associated with this item must be performed by a pre-qualified subcontractor. The Contractor is required to select and utilize a subcontractor exclusively from the Authority's List of Approved Excavation Subcontractors:

- Laydon Construction: Jeff Polley -(203) 654-0012; jpolley@laydon.net
- Burns Construction: Anthony DiVirgilio -(203) 395-5314; adivirgilio@burnsconstruction.com
- Blakeslee Arpaia Chapman: Marshall Renkowsky -(203) 496-1437; mrenkowsky@bac-inc.com

- John J. Brennan Construction: Gary DeRosa -(203) 395-2121; gary@jbbrennan.com
- C.J. Fucci Construction: Lee Reopell - (203) 999-3714; lreopell@cjfucci.com

No separate payment will be made for modifications resulting from the Contractor's means and methods, including the removal of manhole steps and protection cages. Sewer Manhole Reconstruction includes all costs associated with manhole cone removal and reinstallation required to facilitate the Contractor's chosen method of construction. Locations shall be approved by the Engineer and payment for this item will be made at the Contract Lump Sum price for "Sewer Manhole Reconstruction."

5. Modification of Technical Specifications, Item 525 – Sanitary Sewer Machine Spiral Wound PVC Liner

Add the enclosed (Attachment 3) Standard Specification for the alternative sanitary sewer machine spiral wound PVC liner rehabilitation method, Item 525.

6. SSR 2025-01 Record Video Inspections

Please use the link below to obtain a copy of the record video inspections of the pipe segments on our SSR 2025-01 Lower Mill River Interceptor Rehabilitation project – Phase 2.

https://gnhwpc-my.sharepoint.com/:f:/p/rceballos/Eq8JQxqdmNZOu3-um0LFudwB-W4LN8e_oyb9FotvmFETGg?e=9fk8in

Project No. **SSR 2025-01** provided for questions or requests for clarification to be received in writing by the Authority through December 11, 2025 at 12:00 PM (As stated during the Pre-Bid meeting held November 19, 2025). The following is provided in response to questions received to date. Please note that per GNHWPCA Standard Specifications – General Provisions, it is the bidder's responsibility to verify all site conditions at the project site.

Questions submitted by Michael Cronin, Insituform Technologies

1. Due to proximity of the work to the water, are there any restrictions to access, equipment placement or the excavations? Are permits in hand for this work, including earth disturbance near the water?

Response: Yes, there are restrictions and access will be granted to the Authority's contractors. Contractor is required to follow the guidelines and requirements described in Appendix E, RWA Environmental Compliance Plan.

2. Does the owner have any/all permissions to enter private property along the pipe route?

Response: Yes

3. Are invert elevations available? This is crucial to designing CIPP liners and install layouts? (plans show inverts at 0.0000)

Response: Revised drawings are being provided on Addendum No.1.

4. Are CCTV inspections available?
Response: Yes, CCTV inspections are being provided on Addendum No.1.
5. Does the owner have flow data, or a min. required bypass capacity for this project?
Response: Flow data was provided during the pre-bid meeting. SSR 2025-01 Lower Mill River: ADF – 3.652 MGD; PWWF – 6.790 MGD
6. Due to proximity of the pipe to the water, the visible infiltration in manholes and the high potential for infiltration in the pipe, will the owner require water installations to minimize the probability of issues?
Response: Contractor’s means and methods shall take in consideration existing site conditions including infiltration.
7. Can cure water and/or condensate be discharged directly to the sewer??
Response: Yes.
8. Can the contractor utilize the lake for construction water?
Response: No.

Questions submitted by Craig Heller, Spiniello

1. Are there technical specifications that can be provided, particularly for the CIPP and Bypass portion of the project?
Response: Bid Documents reference THE GREATER NEW HAVEN WATER POLLUTION CONTROL AUTHORITY STANDARD SPECIFICATIONS dated September 2017.
2. Can you clarify if water, steam, and/or UV CIPP will be allowed on this project?
Response: Yes, water, steam, and/or UV CIPP are allowed.
3. Is there any flow data that can be provided??
Response: Flow data was provided during the pre-bid meeting. SSR 2025-01 Lower Mill River: ADF – 3.652 MGD; PWWF – 6.790 MGD.
4. Is there a flow capacity that should be used to design the bypass pumping system built for this project, or is this at the discretion of the contractor?
Response: Please reference Standard Specifications Item 516.
5. Are there any CCTV that can be provided for the segments scoped for rehabilitation?
Response: Yes, CCTV inspections are being provided on Addendum No.1.
6. Can you clarify the allowance amount for item number 205 trench excavation and backfill? The unit price reads 200,000.00 but the total price reads 150,000.00. Please clarify.
Response: This was a typo. See revised Schedule of Bid Items.

Questions submitted by Rob Towle, Insituform Technologies

1. Can the WPCA provide GIS access for this scope of work?
Response: Yes, GNHWPCA will provide access to our GIS to the contractor.

2. Can manhole depths be provided?
Response: Revised drawings are being provided on Addendum No.1.
3. Can the CCTV video and reports be provided?
Response: Yes, CCTV inspections are being provided on Addendum No.1.
4. If manholes need to be opened for installation, will this be covered through the allowances or will this be the responsibility of the contractor?
Response: No, a new lump sum bid item (Item 523.04) is included in Addendum No.1 to pay for the costs of sewer manhole reconstruction.
5. If manholes need to be opened for bypass, will this be covered through the allowances or will this be the responsibility of the contractor?
Response: No, a new lump sum bid item is included in Addendum No.1 to pay for the costs of sewer manhole reconstruction.
6. Please confirm that the removal and resetting of the fence to install the bypass will be paid for through the allowances.
Response: No, a new lump sum bid item is included in Addendum No.1 to pay for the costs of clearing, and fence removal and resetting.
7. Please confirm that any trenching and restoration for bypass will be paid for through the allowance.
Response: Yes, any trenching and restoration for bypass pipe will be paid for through the allowance, Items 205 and 407.
8. Can the flow data in this pipe be provided?
Response: Flow data was provided during the pre-bid meeting. SSR 2025-01 Lower Mill River: ADF – 3.652 MGD; PWWF – 6.790 MGD.
9. Are you also able to provide a copy of recording from the prebid meeting?
Response: Enclosed (Attachment 4) is a copy of the unredacted meeting transcript. Please note this is an automated service and it contains errors. Please submit additional questions if you need any clarification.

Questions submitted by Kevin Maszkiewicz, SAK

1. The GNHWPCA CIPP specification section F Manufacturers does not specify if approved equals are acceptable to the listed manufacturers. Does the contractor need pre-approval of the proposed CIPP product prior to bid? If so, I would like to submit / request Pipenology as an approved CIPP manufacturer for this project.
Response: Per Item 520, Section F, the list of manufacturers is included, but are not limited to the companies listed. Your manufacturer will be reviewed and approved if all submittal requirements are met.
2. Can the owner provide any manhole depth / elevation / pipe alignment grade information?
Response: Revised drawings are being provided on Addendum No.1.
3. Can the owner provide any available flow data?

Response: Flow data was provided during the pre-bid meeting. SSR 2025-01 Lower Mill River: ADF – 3.652 MGD; PWWF – 6.790 MGD.

4. Can the owner provide any available CCTV?

Response: Yes, CCTV inspections are being provided on Addendum No.1.

5. What is the completion time / contract duration for this project

Response: As stated in the Itemized Proposal, the work proposed herein must be completed by June 30, 2026.

6. Will permanent materials be considered CT sales tax exempt?

Response: Yes, GNHWPCA is a tax-exempt regional authority.

7. Would the owner confirm the contractor will be compensated for any excavation and associated restoration work to facilitate bypass pumping or CIPP lining access utilizing the Allowance bid items #205 and #407?

Response: Any trenching and restoration for bypass pipe will be paid for through the allowance bid items, Items 205 and 407. A new lump sum bid item (Item 523.04) is included in Addendum No.1 to pay for the costs of sewer manhole reconstruction.

8. Can the owner provide a copy of the Prebid minutes/agenda from the Prebid meeting on 11/19?

Response: Enclosed is a copy of the unredacted meeting transcript. Please note this is an automated service and it contains errors. Please submit additional questions if you need any clarification. Enclosed is also a copy of the Prebid meeting agenda.

9. potential spiral wound alternate to CIPP?

Response: Yes, GNHWPCA has included spiral wound pipe rehabilitation as an approved alternative for this project.

Questions submitted by Louis DeNaples III, InfraHorse

1. On the schedule to bid, Item Nos. 205 and 407 refer to the allowance for excavation consisting of support for the installation of liner and flow control/bypass. Given the installation methods for CIPP, where only the manhole steps would need to be removed, could these items be revised to reflect a per-manhole quantity rather than a lump sum?

Response: Any trenching and restoration for bypass pipe will be paid for through the allowance bid items, Items 205 and 407. A new lump sum bid item (Item 523.04) is included in Addendum No.1 to pay for the costs of sewer manhole reconstruction.

2. If the manhole steps are to be removed for liner installation, will new steps need to be installed as part of the restoration?

Response: No, new steps will not need to be installed. Additionally, all protection cages shall be removed by the contractor prior to lining at no additional cost to the Authority. Cages will not need to be replaced.

Questions submitted by Derek Madsen, Coppola

1. Please advise if Spiral Wound Pipe Lining (SPR) is an acceptable alternative to the CIPP lining specified in the bid documents.

Response: Yes, GNHWPCA has included spiral wound pipe rehabilitation as an approved alternative for this project.

2. Could you confirm the contract specifications are only 69 pages?

Response: Please review all bid documents, including GNHWPCA Standard Specifications.

3. Please confirm if the "Contracting Agency Certification Form", "Contractors Wage Certifications Form", and "Fringe Benefits Explanation" are required to be submitted at time of bid or for the lowest bidder to submit?

Response: Low bidder will have to provide all forms required by the Connecticut Department of Labor after the contract is executed.

Questions submitted by Lawrence Curtis, Precision Trenchless LLC

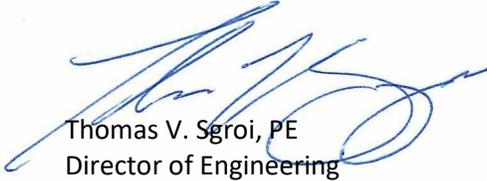
1. Will you allow liner design to be done with the MOP 145 Clint calculator?

Response: The liner shall be designed by a Professional Engineer Registered in the State of Connecticut.

- END OF ADDENDUM No. 1 -

ADDENDUM No. 1 ISSUED BY:

GREATER NEW HAVEN WATER POLLUTION CONTROL AUTHORITY



Thomas V. Sgroi, PE
Director of Engineering

ATTACHMENT 1

GNHWPCA PROJECT NO. SSR 2025-01

GREATER NEW HAVEN WATER POLLUTION CONTROL AUTHORITY

Project: Lower Mill River Interceptor Rehabilitation – Phase 2
Project Number: SSR 2025-01



Schedule Of Bid Items
(Revised on ADDENDUM No. 1)

ITEM NUMBER	ESTIMATED QUANTITY	UNIT	ITEM WITH UNIT PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT BID	
				DOLLARS	CTS	DOLLARS	CTS
201	1	LS	Lump Sum, Clearing and Grubbing For - _____ _____				
205	1	Allow.	Allowance Trench Excavation and Backfill (Bypass piping Trenching) For - Fifty Thousand Dollars and No Cents	\$	50,000 00	\$	50,000 00
407	1	Allow.	Allowance Bituminous Concrete Trench Repair Class 2, Thickness 4 inches For - Fifty Thousand Dollars and No Cents		50,000 00		50,000 00
516	1	LS	Lump Sum Sanitary Sewer Flow Control and Bypass Pumping For - _____ _____				
518.01.21	2744	LF	Linear Foot Sanitary Sewer Hydraulic Cleaning (Light) 42" Sewer For - _____ _____				
520.01.21	2744	LF	ALTERNATIVE No. 1 Linear Foot 42" Sanitary Sewer CIPP Lining For - _____ _____				
525	2744	LF	ALTERNATIVE No. 2 Linear Foot 42" Sanitary Sewer Machine Spiral Wound PVC Liner For - _____ _____				
520.10	1	EA	Each Re-establish House Service Connections For - _____ _____				

GREATER NEW HAVEN WATER POLLUTION CONTROL AUTHORITY

Project: Lower Mill River Interceptor Rehabilitation – Phase 2
Project Number: SSR 2025-01



Schedule Of Bid Items
(Revised on ADDENDUM No. 1)

ITEM NUMBER	ESTIMATED QUANTITY	UNIT	ITEM WITH UNIT PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT BID	
				DOLLARS	CTS	DOLLARS	CTS
522.21	2744	LF	Linear Foot Sanitary Sewer CCTV Inspection, 42" Sewer For - _____ _____	_____	_____	_____	_____
523.04	1	LS	Lump Sum Sewer Manhole Reconstruction For - _____ _____	_____	_____	_____	_____
970	1	Est.	Estimate Trafficperson For - One hundred and Fifty Thousand Dollars and No Cents	\$ 150,000	. 00	\$ 150,000	. 00
971	1	LS	Lump Sum Maintenance and Protection of Traffic For - _____ _____	_____	_____	_____	_____
975	1	LS	Lump Sum Mobilization (Max. 3% of Total Cost) For - _____ _____	_____	_____	_____	_____

BASE BID
TOTAL OR GROSS SUM IN WORDS: _____ \$ _____
IN FIGURES

Signature of Bidder: _____ Dated: _____

Printed Name: _____

Name of Firm: _____

ATTACHMENT 2

GNHWPCA PROJECT NO. SSR 2025-01

TF=40.19
INV=27.86

MANHOLE MODIFICATION IF
REQUIRED PER STANDARD
CONSTRUCTION DETAIL
(TYP.)

42" RCP
L= 581 LF
S= 1

HML06M0039
0.00000000
0.00000000

HWP01M0084
0.00000000
0.00000000

HWP01M0077
0.00000000
0.00000000

HWP01M0083
0.00000000
0.00000000

HML06M0037
0.00000000
0.00000000

TF=58.74
INV=27.63

HML07M0569
0.00000000
0.00000000

HML07M0570
0.00000000
0.00000000

WHITNEY AVE.

PUTNAM AVE.

LAKE RD.

PLAN

1" = 80'

LEGEND

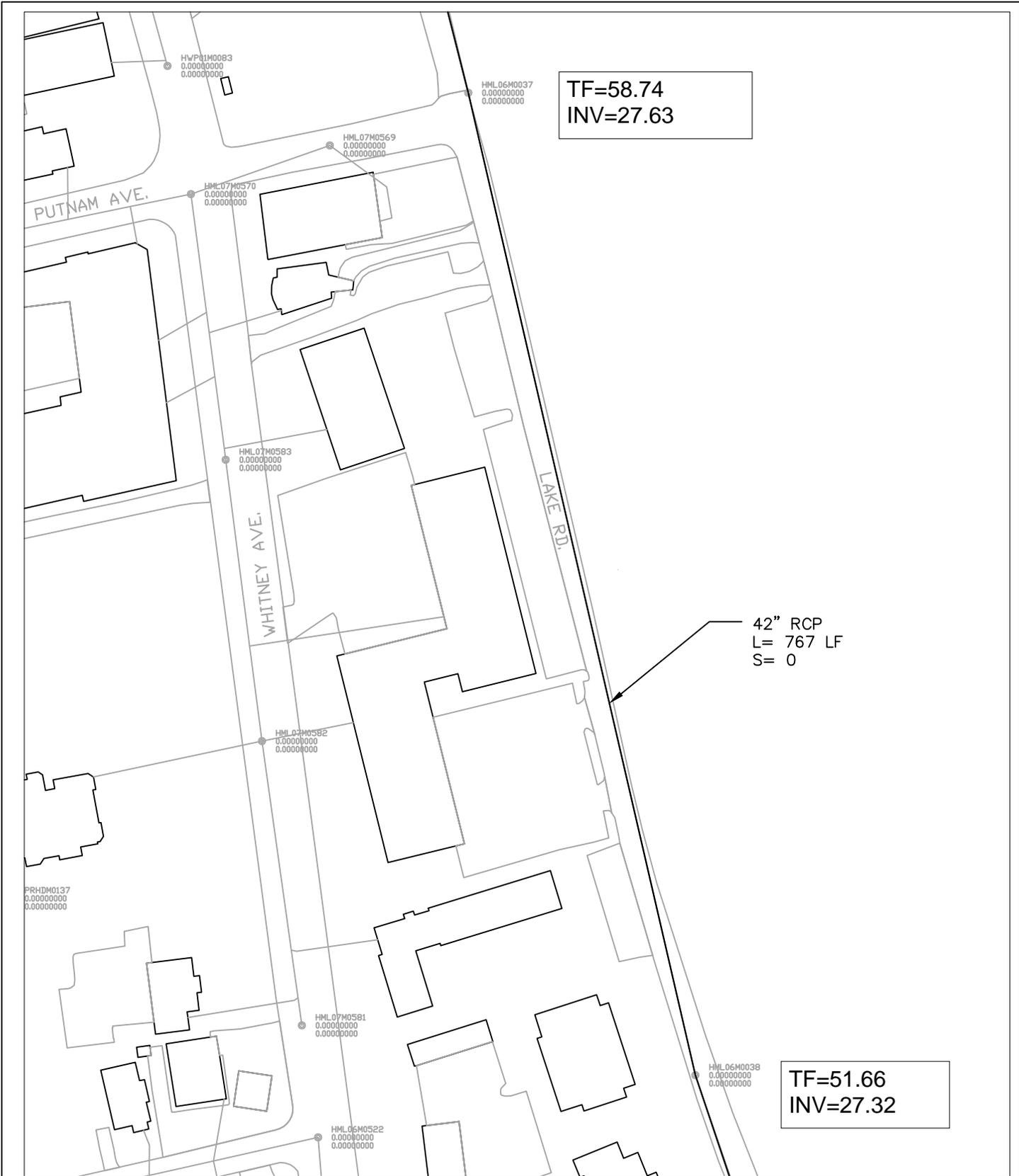
L= LINEAR FEET OF PIPE
S= No. OF SERVICE LATERALS PRESENT



Greater New Haven Water Pollution Control Authority
ENGINEERING DEPARTMENT
260 East Street
New Haven, CT 06511
(203) 466 5280 p (203) 722-1564 f

Drawn By: RC | Approved By: TS | Date: 8/25/2025

**LOWER MILL RIVER INTERCEPTOR
REHABILITATION - PHASE 2**



TF=58.74
INV=27.63

42" RCP
L= 767 LF
S= 0

TF=51.66
INV=27.32

PLAN
1" = 100'

LEGEND

L= LINEAR FEET OF PIPE
S= No. OF SERVICE LATERALS PRESENT

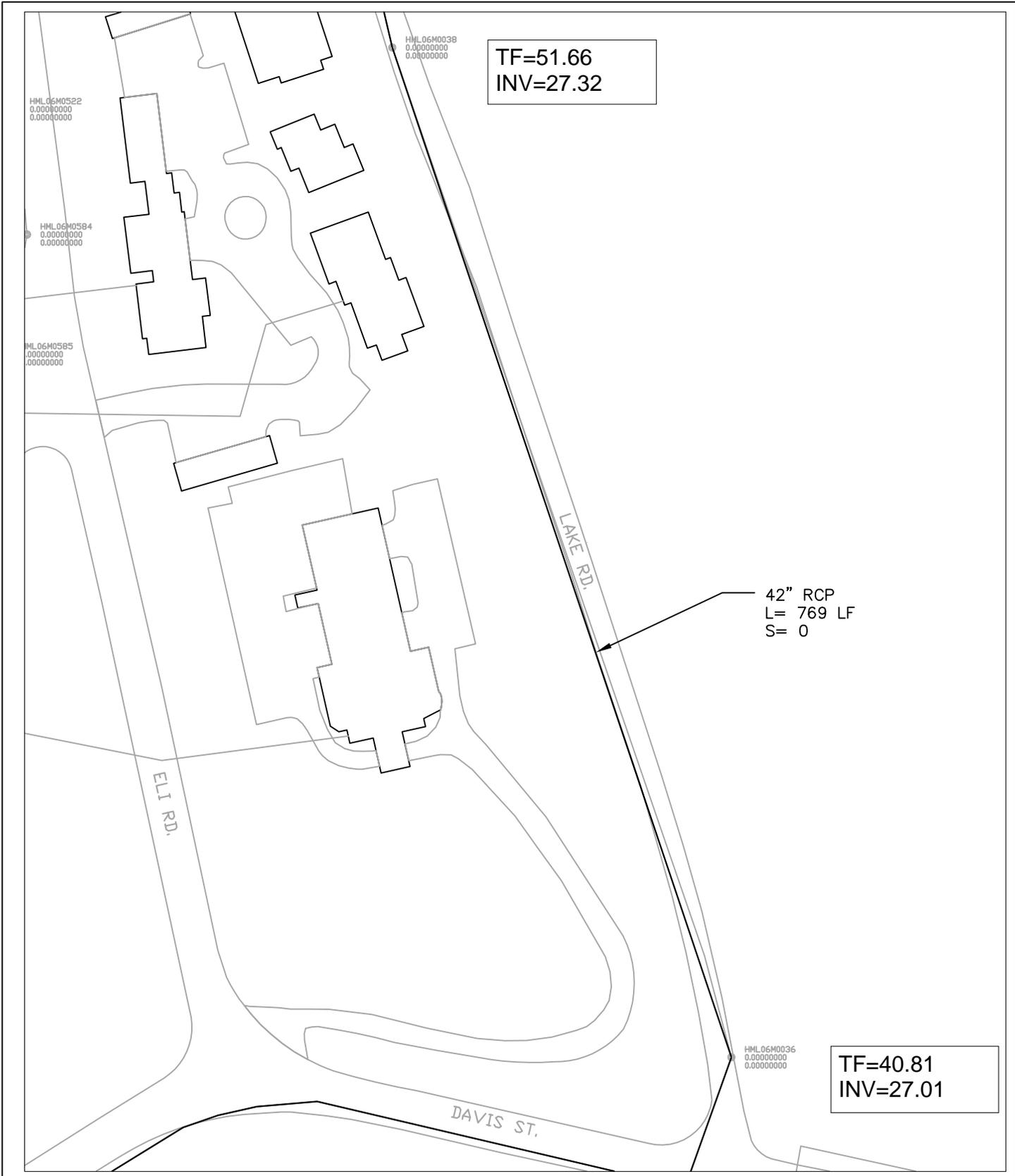


Greater New Haven Water Pollution Control Authority
ENGINEERING DEPARTMENT
260 East Street
New Haven, CT 06511
(203) 466 5280 p (203) 722-1564 f

Drawn By: RC Approved By: TS Date: 8/25/2025

**LOWER MILL RIVER INTERCEPTOR
REHABILITATION - PHASE 2**

Project No.: SSR 2025-01 Sheet No.: 2 of



TF=51.66
INV=27.32

TF=40.81
INV=27.01

42" RCP
L= 769 LF
S= 0

PLAN
1" = 80'

LEGEND

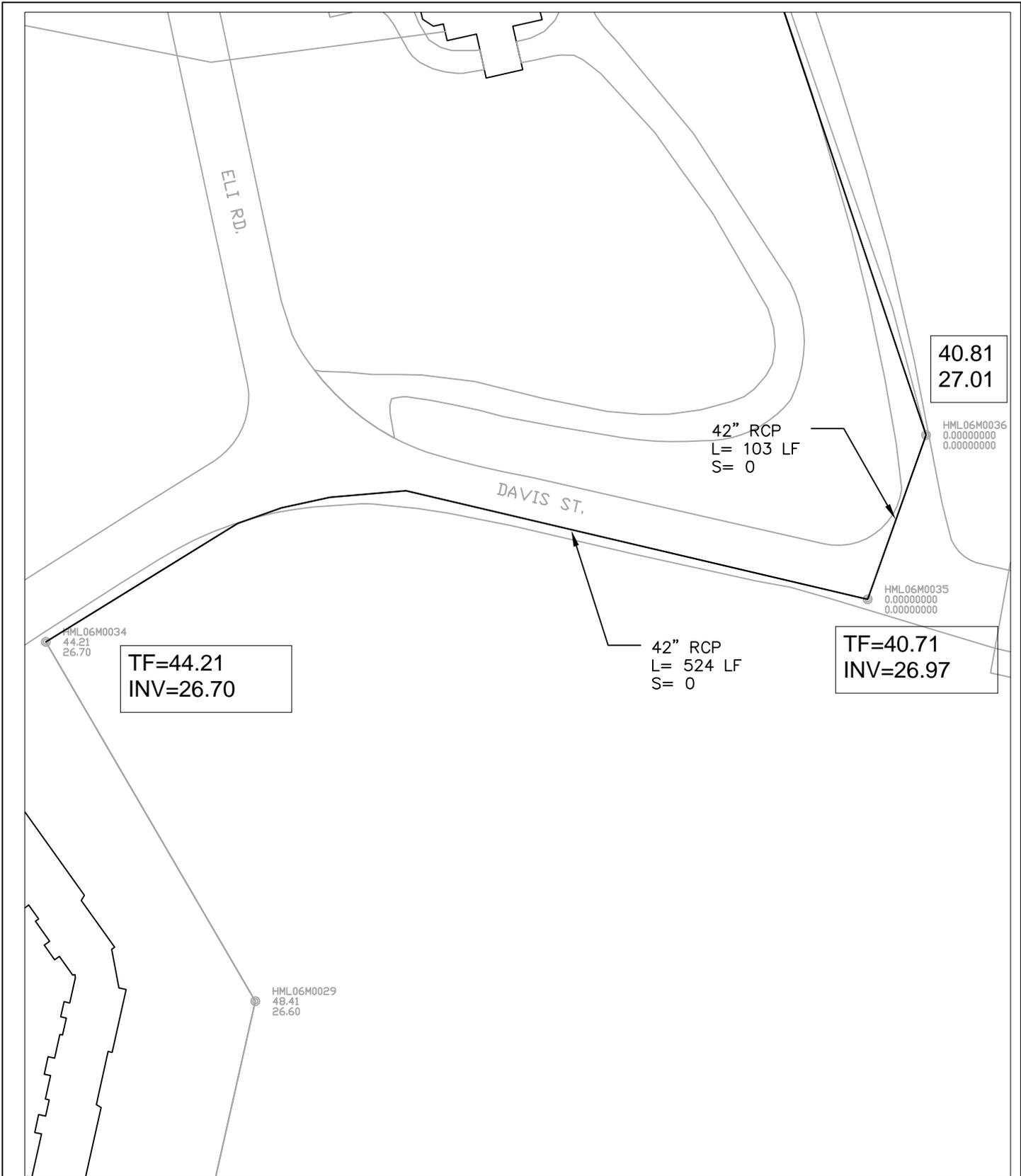
L= LINEAR FEET OF PIPE
S= No. OF SERVICE LATERALS PRESENT



Greater New Haven Water Pollution Control Authority
ENGINEERING DEPARTMENT
260 East Street
New Haven, CT 06511
(203) 466 5280 p (203) 722-1564 f

Drawn By: RC Approved By: TS Date: 8/25/2025

**LOWER MILL RIVER INTERCEPTOR
REHABILITATION - PHASE 2**



TF=44.21
INV=26.70

42" RCP
L= 103 LF
S= 0

40.81
27.01

HML06M0036
0.00000000
0.00000000

DAVIS ST.

HML06M0035
0.00000000
0.00000000

TF=40.71
INV=26.97

42" RCP
L= 524 LF
S= 0

HML06M0029
48.41
26.60

PLAN
1" = 80'

LEGEND

L= LINEAR FEET OF PIPE
S= No. OF SERVICE LATERALS PRESENT



Greater New Haven Water Pollution Control Authority
ENGINEERING DEPARTMENT
260 East Street
New Haven, CT 06511
(203) 466 5280 p (203) 722-1564 f

Drawn By: RC Approved By: TS Date: 8/25/2025

**LOWER MILL RIVER INTERCEPTOR
REHABILITATION - PHASE 2**

ATTACHMENT 3

GNHWPCA PROJECT NO. SSR 2025-01

ITEM 525 SANITARY SEWER MACHINE SPIRAL WOUND PVC LINER

DESCRIPTION

Machine spiral wound PVC liner using the SPR™ EX installation method is an approved rehabilitation alternative, and the method shall comply with Item 520 requirements except as modified herein. Machine spiral wound PVC liner is intended for use in the rehabilitation of sanitary sewers without excavation. The lining process uses a continuous one-piece PVC profile strip, which is machine wound directly into the deteriorated pipeline from an existing access chamber or manhole. Installation shall be in accordance with ASTM F1741 as modified herein.

The system consists of a single, one-part PVC profile strip with “T” shaped ribs on one side. The edges of the strip interlock as it is spirally wound to form a liner inside the host pipe.

A range of PVC profiles are available with different profile, rib and thickness configurations to match project design requirements.

The winding process is continuous until the complete length of the existing pipe between access points or manholes has been lined.

The liner is wound at a fixed diameter, leaving an annular space between the liner and host pipe wall. It is then radially expanded by mechanical means, without the applications of heat, until the liner makes contact with the inside wall of the existing pipe.

REFERENCES

- A. ASTM D 256: Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics
- B. ASTM D 638: Standard Test Method for Tensile Properties of Plastics
- C. ASTM D 790: Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
- D. ASTM D 1784: Standard Specification for Rigid Poly Vinyl Chloride (PVC) Compounds and Chlorinated Poly Vinyl Chloride (CPVC) Compounds
- E. ASTM F 1697-18: Standard Specification for Poly Vinyl Chloride (PVC) Profile Strip for Machine Spiral-Wound Liner Pipe Rehabilitation of Existing Sewers and Conduits.
- F. ASTM F 1741-18: Standard Practice for Installation of Machine Wound Poly Vinyl Chloride (PVC) Liner Pipe for Rehabilitation of Existing Sewers and Conduits

MATERIALS

A. MATERIAL COMPOSITION

The extruded profile strip shall be made from unplasticised PVC compounds meeting the minimum requirements for cell classification 13354 or higher, as defined in ASTM D 1784.

PVC profile strip for machine spiral wound liner pipe rehabilitation of existing sewers shall comply with ASTM F 1697-18, except as modified herein.

B. MATERIAL AND EQUIPMENT ACCEPTANCE

At the time of manufacture, each lot of extruded profile strip shall be inspected for defects and tested for physical properties as specified. A “lot” is defined as a continuous extrusion run of a given profile designation on a spool.

PVC profile strip minimum dimensions and initial stiffness factors shall be in accordance with Table 1 below. In accordance with ASTM F 1697- 18, other profile configurations are permitted, provided similar details are provided as in Table 1.

TABLE 1

Profile Type	Minimum Width		Minimum Height		Minimum Waterway Wall		Minimum Initial Stiffness Factor (EI)	
	mm	(in.)	mm	(in.)	mm	(in.)	MPa-mm ³	(in ³ – lbf/in ²)
1	51.0	2.00	5.5	0.216	1.4	0.0551	21.2x10 ³	188.0
2	80.0	3.14	8.0	0.314	1.4	0.0551	63.4x10 ³	561.0
3	121.0	4.76	13.0	0.511	1.6	0.0630	242.7x10 ³	2148.0
7	121.0	4.76	19.0	0.748	2.1	0.0830	450x10 ³	3983.0

Note: Initial Stiffness Factors are derived from testing in accordance with ASTM D 790 as modified by ASTM F1697-18, using flat strips of profile

Liners shall meet the same material physical requirements stated on Item 520 for CIPP tubes.

Sealants and gaskets necessary for effective interlocking of the edges of PVC strip are pre-applied at the time of manufacture. They shall be suitable for use in a sewer environment.

C. MATERIAL TESTING

Before installation of the liner has commenced, a sample of profile from each production run shall be tested to confirm that the value of initial stiffness factor detailed in Table 1 exceeds specified minimum values.

D. MARKING

Each PVC profile strip shall be distinctly marked on its inside surface at intervals not to exceed 60 inches with a code number identifying the manufacturer, plant, date of manufacture and shift, and profile type. This information shall also appear on each reel.

EXECUTION

INSTALLATION AND FIELD INSPECTION

A. Installation of machine spiral wound PVC liner pipe for rehabilitation of existing

sewers shall comply with ASTM F 1741-18 except as modified herein.

- B. The existing pipeline shall be cleaned of any obstructions, to a standard suitable for installation of the liner, and televised. All existing live service connections shall be precisely located longitudinally and radially and logged for subsequent reinstatement following installation of the liner.
- C. Bypass pumping is not mandatory for installation of the spiral wound liner. The Contractor shall be responsible for deciding the need for flow diversion to allow successful liner installation.
- D. During installation the winding machine shall perform the following operations simultaneously:
 - A continuous ribbed liner profile strip is supplied from a reel and fed down through the existing manhole to the winding machine positioned at the base of the manhole
 - Joint lubricating sealant shall be placed into the primary lock of the self-interlocking edges of the ribbed profile (Note: An elastomeric adhesive, which prevents the liner from expanding prematurely during winding, is applied to the secondary lock during manufacture of the ribbed profile)
 - High tensile wire shall be inserted (Note: The wire remains only temporarily as it is pulled out during the expansion stage)
 - The winding machine winds the PVC strip into a liner pipe by interlocking the edges
 - Winding continues until the full length of the deteriorated pipe between manholes has been lined
 - The liner is then radially expanded by mechanical means, without the application of heat, until the liner makes contact with the inside wall of the existing pipe
- E. End seals between the liner pipe and the existing pipe shall be installed with a sealing material that is compatible with the liner pipe material.
- F. The transition between the liner invert and the invert in the manhole base shall be rendered smooth to reinstate the sewer flow line.

SERVICE CONNECTIONS

The Contractor shall reinstate all live junctions immediately after installation of the liner. Service connections may be reinstated by excavation or internally.

The service connection openings shall conform to the shape and size of the inside diameter of the existing service connection. Service connection openings shall be reinstated to 95 -100% of their diameter and free from rough edges or protrusions.

POST INSTALLATION INSPECTION

A closed-circuit television (CCTV) inspection shall be carried out after installation to establish that the lining has been installed as specified and all live junctions have been reinstated.

The finished lining shall be free of defects that would affect long term strength or hydraulic performance.

MEASUREMENT AND PAYMENT

This work will be measured for payment by the actual number of linear feet of each size of sanitary sewer lined with Machine spiral wound PVC liner using the SPR™ EX installation method, measured along the centerline of the sanitary sewer from the center of the insertion manhole to the center of the last manhole.

This work shall be paid for at the contract unit price per linear foot of "Sanitary Sewer Machine spiral wound PVC liner" completed, which price shall include all materials, labor, tools, and equipment incidental and necessary to furnish and install the PVC liner in existing sewers and sealing of the liner at termination manholes.

<u>Item No.</u>	<u>Pay Item</u>	<u>Pay Unit</u>
525	(Size) Sanitary Sewer Machine Spiral Wound PVC Liner	LF

ATTACHMENT 4

GNHWPCA PROJECT NO. SSR 2025-01

Greater New Haven Water Pollution Control Authority

Lower Mill River Interceptor Rehabilitation – Phase 2 Project No. SSR 2025-01

Pre-Bid Meeting Agenda Wednesday, November 19, 2025

1. Introductions
2. Project Description
 - a. Scope of work & quantities
 - i. CIPP Lining Rehabilitation – Heat Curing & UV Curing
 - ii. Spiral Wound Pipe Rehabilitation
 - iii. Appendix E – RWA Environmental Compliance Plan
 - b. Project's construction specifications are the Greater New Haven Water Pollution Control Authority Standard Specifications dated **September 2017**. Specifications for additional or supplemental work not covered by the STANDARD SPECIFICATIONS will be performed in accordance with CTDOT Form 817 requirements.
 - c. SSR 2025-01 > New bid item: Item 201 – Clearing and Grubbing: item includes removal and replacement of existing fences removed for construction purposes (allowance).
 - d. Sanitary Sewer Flow Control and Bypass Pumping:
SSR 2025-01 Lower Mill River: ADF – 3.652 MGD; PWWF – 6.790 MGD.
 - e. Maintenance & Protection of Traffic Plan shall be prepared by Contractor and Approved by the Town of Hamden.
 - i. ***CTDOT Encroachment permit required for work on State roads.***
 - ii. ***MPT plans must follow the Town's Standards and MUTCD Manual Standards. Professional presentation is expected. Contractor may consider hiring a PE to prepare the required MPT plans.***
 - iii. ***Per Town Standards work hours are 7am to 7pm. Contractor shall provide expected hours of work as part of the traffic permit application to make the Town aware of the required hours to complete the work and seek additional comments and conditions.***

iv. Night work is allowed.

- f. Access to GNHWPCA GIS Web Viewer will be available for planning purposes (<https://giswebviewer.gnhwpca.com/gnhwpca/index.html>).
Send email to rceballos@gnhwpca.com to request access credentials.
 - g. CCTV inspection – Bid price includes pre-post & final guarantee CCTV inspection.
 - h. Point Repairs will be fixed by the Authority's on-call Contractor.
 - i. Contractor shall submit to the Engineer a copy of the Pre-lining CCTV inspection within two (2) days of completing the pre-lining CCTV inspection work.
 - j. Water use – Pre-construction meeting with RWA (Max. flow rate shall not exceed 200 gpm)
 - k. Maintenance Bond – Three (3) years for lining projects
3. Written Questions must be received by December 11, 2025 at 12:00 PM (Engineering@GNHWPCA.COM)
4. Bidding Requirements
- a. See General Conditions Section §102
 - b. Prevailing Wage Rates project
 - c. Itemized Proposal - Acknowledgement of Addendum
 - d. Bid Bond (15%)
 - e. Contractor Qualifications
5. Execution of Contract
- a. Insurance; 100% Performance and Payment Bonds
6. Notice of Award – 1/15/2026
7. Notice to Proceed – 1/31/2026

GNHWPCA Contact Information:

Ricardo Ceballos, P.E. | GNHWPCA
rceballos@gnhwpca.com – (203) 466-4122

Pre-Bid Meeting (Video Conference) - SSR 2025-01 Lower Mill River Interceptor Rehabilitation - Phase 2- 20251119_195635UTC-Meeting Recording (AI Automated - Unredacted – contains errors)

November 19, 2025, 3:56PM

4h 0m 0s



Ricardo Ceballos 2:57

All right. Good morning. I hope everyone can hear me. Uh.

This is the pre-bid meeting for the Lower Mill River Interceptor Rehabilitation Phase two project. Our project number is SSR 202501.

I'm Ricardo Ceballos. I'm the project manager. With me is Tom Sgroi, our Director of Engineering and Luigi DiMonaco.



Ricardo Ceballos 3:32

Our construction administrator just joined.

Um.

Is anyone else from our team?



TS Tom Sgroi 3:46

I think you got it Ricardo.



Ricardo Ceballos 3:49

All right. Uh.

I'm gonna jump right into.

The whole thing project scope. The proposed project includes the cure in place pipelining rehabilitation, and I'll talk about this in a SEC.

Of approximately 2744 feet of 42 inch sewer pipes along the lower Mill River interceptor located in Hamden, CT. The specifications of the project include CIPP lining.

Rehabilitation, heat and UV curing as options. The authority will add a spiral wound pipe rehabilitation as an alternative. Um.



Ricardo Ceballos 4:47

Very important Appendix E on your bid documents is the Regional Water Authority RWA Environmental Compliance Plan. So if you guys remember the project location. Is along Lake Whitney and the first segment to be rehabilitated and the area from where you're going to start the bypass system, or at least that's what we think. Obviously it's your means and methods.



Ricardo Ceballos 5:24

But based on on on that you will be working inside of their property and because of that reason you have to do, we have to follow the specifications, the environmental compliance plan.

That it's attached as Appendix E on the bid documents. The most important part of it is that any excavation material, any excavation equipment will have to have.

Biodegradable oil. So you were what we did on the previous phase one project, the contractor that was hired to do the excavation, the subcontractor, he basically ended up renting.

The equipment that was already set up with the correct oil to do the excavation and and to do whatever he needed to do with that equipment within our WA property.

That is the most critical part of of the permit that we have in place with them or the permission that we're getting from them to to be on their property.



TS Tom Sgroi 6:48

Ricardo, can I jump in here on that?



Ricardo Ceballos 6:50

Yes, please.



TS Tom Sgroi 6:52

Yeah, we've had one one job where we experienced this. This is critical and it has to meet RWA standards. So don't assume like whatever.

You can add to your equipment or whatever is going to meet the spec. So I encourage you to submit during the bid process if you have any question whether it's going to meet the spec or not. I mean it's got the Ricardo's got the spec in there, but if there's any question whatsoever submitted in advance, that way we make sure that that's.

That we don't have any surprises down the road because then we can confirm with RWA and and that type of thing. If you've worked with them before, you probably understand what they they're looking for, but they can be a little picky for that on that aspect of it and there's not a lot we can do about it, so.

You know, like I said, let's try to be proactive on that little item.

TS Tom Sgroi 7:53

Go ahead, Ricardo.

Ricardo Ceballos 7:56

All right. I I see a lot of some people were had not been on the at the beginning of the presentation. Let me just repeat what I said about the scope.

And the quantities, it's about 2744 feet of 42 inch sewer interceptor that's going to be rehabilitated. Our standard specs show hit curing CIPP lining rehabilitation hit heat.

And UV curing, we are going to add a spiral wound pipe rehabilitation as an alternative as well and and I invite all the bidders to review Appendix E.

Of the bid documents where we have RWA environmental compliance plan, all the requirements that you guys will have to follow in order to work within their property. We had received a couple of questions from some of you guys already, so I'm going to address some of them already and and it's all about work.

Uh, close to the water. Um.

You guys, we don't have approval to use the water from the from the lake. There will be a pre-construction meeting with RWA and the low bidder to get all those details squared away. But you're assumption you should assume that.

You can only get water either from our filling stations or from a.

A fire hydrant approved by RWA. Obviously you guys can discharge cure water or condensate into the sanitary sewer that is allowed.

The there there was a comment about the proximity of the pipe to the water and if there will be visible infiltration in manholes and high potential for infiltration of the pipe, are we going to require you guys to do?

A water shot on those and and the answer is, is your means and methods. You guys have to assess and and propose whatever that whatever it is that you're going to use as a technology to complete the project.

We do have CCTV videos of these lines. They look in great condition. There is really nothing wrong with them, but they are old and we would just want to make sure that we are proactive and.

Not wait until something happens so but the videos are available and and and you guys will be able to review them. After this meeting I will send a link to all the to all the the bidders.

So that you guys can download those videos at your leisure.

And yes, RWA, we have permissions to enter their property. Obviously we just have to follow their guidelines.

Um.

The project construction specifications are the Greater New Haven Water Pollution Control Authority standard specs dated September 2017. Specifications for additional or supplemental work not covered by standard specs will be performed in accordance with CTDOT.

Form 817 requirements. There will be a new bid item that it's clearing and groving. That item will include the removal or and replacement of existing fences. There is only one section where I think.

That may be required. It's minor, but we'll add this allowance for you guys to cover any cost associated with it.

The flow control and bypass pumping. Based on our data, the average daily flow on this 42 inch interceptor is 3.652 MG DS. That's very precise and the peak wet weather flow is estimated to be 6.679 MGD So your bypass will have to obviously be designed accordingly. Maintenance and protection of traffic plan shall be prepared by the contractor and approved by the town of Hamden.

Whitney Ave. in Hamden is a Connecticut dot Rd. If you guys stay off of it, then this doesn't apply. But if you feel that you have to, then any work that it's within Whitney Ave.

Um.

Will require a dot encroachment permit.

I guess I repeat myself, MPT plans must follow the town standards and MUTCD manual standards. Per town standards, work hours are 7:00 AM to 7:00 PM. Because of the nature of this project, we understand that once we get started, it's.

Gonna be probably a 24 hour.

Non-stop construction hour. So we just need to make sure that you guys have those schedules somewhat this. I mean we need to describe this to the town and and and make sure that they're aware that.

We will be there for 18 hours or 24 hours or 42 hours, whatever it is, but we need to be clear from the beginning so that we don't get into trouble because they were expecting something different.

Um.

So obviously that goes on to say that night work is obviously it will be allowed access to GNHLPCA web viewer will be available for planning purposes. Just send me an e-mail and and I'll I'll grant you access to those web.

Viewers is basically our GIS system that you can see on on a desktop and if you are the low bidder will give you access to access it on on on on on your phone as well.

The CCTV inspection pay item. The bid price includes includes pre, post and final guarantee CCTV inspection which takes place before the.

The maintenance bond expires, which is 3 years from the project completion. So I will say within two years of the project being completed, we'll ask you to come back and complete the CCTV inspection, the guaranteed 1.

Point repairs, if any, will be fixed by the authority's on-call contractor. Contractor shall submit to the engineer a copy of the prelining CCTV inspection within two days of completing the prelining CCTV inspection work.

Water use, as I mentioned earlier, pre-construction meeting with RWA not only for the access and and and conditions to be within their property, but also to talk about the water needed for.

For lining for your construction activities, Max flow rate shall not exceed 200 gallons per minute. That's basically a a standard that has been given to us for the last, I don't know, 10 years probably.

As I mentioned earlier, maintenance bond.

It's three years for lining projects.

Written questions must be received by December 11th, 2025 at noon. Please send those to engineering@gnhwpc.com the bidding requirements.

Please see General Conditions Section 102 of our standard specs. This is a prevailing

wage rate project. As a miracle, we were able to include those.

On the bid documents, it usually takes the Department of Labor a lot of time and and we usually don't have them, but this time we do. So they're included in there itemized proposal you as I mentioned earlier, there will be a new item.

Added. So you will receive on the addendum that we're going to issue a new itemized proposal. Please don't forget to acknowledge any addendum.

The bid bond is 15% and you'll have to submit as well the your contractor qualifications. I think we know most of you, so it's still a requirement, so please don't forget to submit that.

Once we have a low bidder execution of the contract, we'll just require you guys to submit insurance and bonds in order for us to put together the contract document.

We expect the notice of award to be issued after our.

Board of Directors meeting in January, so somewhere around the 15th of January of 2026, we'll issue the notice of award and the notice to proceed by the end of the month, so.

If everything goes well by February 1st, you should have a contract and you should be.

Ready to go. The contract completion date as stated on the bid documents project shot must be completed by June 30th, 2026, which is also the end of our fiscal.

Year. Another question that we received was about the engineer's estimate. We don't have a an engineer's estimate. We can share with you that we have a budget.

Of about one and a half million dollars and as you guys may know, we like to use all of it. So if the bid comes in very competitive and and low, believe me, we'll add segments to make sure that we spend that one and a half million dollars over approximately.

That quantity. That is all I have for you guys. If there are any questions, please feel free to raise your hand.

Yeah, go ahead, Mike.

You're muted.

MI Mike Robling InfraHorse 20:03

Can you hear me? Can you hear me? Can you hear me? OK, I have two questions.

The location of the work area.



Ricardo Ceballos 20:05

Yeah.



MI Mike Robling InfraHorse 20:20

Is it accessible for big equipment, large equipment as far as concrete pathways and stuff like that or?



Ricardo Ceballos 20:30

Yes, it is. It is accessible. It's not a paved road or anything like that, but it is a utility Rd. that the RWA uses and we've had big trucks going in there.

I mean you guys make sure you guys visit the site. If you need access to RWA, make sure you contact us. We have access to those gates so we can we can walk the site with with you guys if if needed.



MI Mike Robling InfraHorse 21:06

OK. OK. Thank you. Thank you. Thank you. Thank you. Thank you.



Ricardo Ceballos 21:19

Oh, go ahead.



MI Mike Robling InfraHorse 21:21

OK.



TS Tom Sgroi 21:29

I was muted.



Ricardo Ceballos 21:31

Al, you're muted.



AH Albert Hickson 21:32

Sorry about that. Hi, Ricardo.



Ricardo Ceballos 21:35

How are you?



Albert Hickson 21:37

Good. On your bid items, the the first item is the unit price for that first allowance item you have is 200,000, but in your extended column you've got 150,000. So if you could just clarify or correct that.



Ricardo Ceballos 21:57

Um.

Oh, yes. OK. Absolutely. We'll fix that. Thank you.



Tom Sgroi 22:15

It's one way to save money.



Albert Hickson 22:15

And also also so the the site is is gated so we we do need to coordinate with you for a visit.



Ricardo Ceballos 22:26

Yes, correct.



Albert Hickson 22:28

OK, OK.

Alright, thank you.



Ricardo Ceballos 22:33

OK, no problem.



Tom Sgroi 22:41

I want to mention that Ricardo mentioned the budget on the job and just for you guys that a lot of you've worked with us before. We do often add, depending on the budget where it comes in, what kind of availability of funds we often add.

TS Tom Sgroi 22:56

Segments or whatever based on mutual agreement, we try to use the bid items if possible, but it's always when it comes down to it, it's always performance related. So when a project goes really well, it goes quickly on time and that's a better chance of having.

Things added to the contract if we don't have, you know it could be a number of reasons, maybe it's funding, maybe it's you know the contract didn't go as quite as well timing a year. So it's not guaranteed, but generally speaking Ricardo is correct when we say that you know we try to use.

Budgeted funds that have been, you know, approved by the board for the for that fiscal year.

RC Ricardo Ceballos 23:39

Thank you, Tom.

Are there any other questions?

All right.

KM Kevin Maszkiewicz 23:51

Any manual depth information? Apologize if I overlooked that, but I didn't see any of the specifications there.

RC Ricardo Ceballos 23:53

Oh.

Say that again, Kevin.

KM Kevin Maszkiewicz 23:59

Are there any manual depth informations?

RC Ricardo Ceballos 24:02

Yes, yes, we will provide you the manhole that.

Me see.

We already have.

Let me let me share this with you guys.

So I will add to the addendum.

Yeah, the the drawings of the project, the the four or five drawings we've added the the manhole rim elevation and invert elevation. So it's it's a deep system as you. Might expect, but yes, we have. We have added those elevations to. For your planning in in in design purposes.

KM **Kevin Maszkiewicz** 25:28

Thank you.

Ricardo Ceballos 25:29

Thank you for that, Kev.

Anyone else?

All right, I think, oh, Lawrence Curtis.

You're muted.

LC **Lawrence Curtis** 25:58

Is the the beginning of this looks like it's on a bike trail? Is that is that the case?

Ricardo Ceballos 26:05

No, it's not a bike trail. It's it's just a private property owned by RWA, the water company. And as I said earlier, it's just a there is a there is a little Rd. there's access.

LC **Lawrence Curtis** 26:06

OK.

OK.

Ricardo Ceballos 26:20

But um.

Yeah, I I guess the best thing is to actually visit the site. I encourage you guys to visit.

LC **Lawrence Curtis** 26:27

Yep.

TS **Tom Sgroi** 26:30

That's a that's a public drinking water reservoir is important to note and that's why the environmental requirements you know for equipment that's close in close

proximity. So that's it's a sensitive area. So we have to really control.
Operation at all times.

LC **Lawrence Curtis** 26:55

Thank you.

DM **Derek Madsen** 27:06

Just a quick question on the maintenance bond, we saw a three-year maintenance bond, but we didn't see a percentage associated with with that bond. Is it 10% or another value?

RC **Ricardo Ceballos** 27:18

Oh, that's a good question. I believe it's 25%. Yeah, it's 25%.

It's on the Standard Specifications Section 10915, just for your reference.

Mark.

MP **Mark Peterson** 27:42

Hey Ricardo, is Davis St. a a County Road or State Rd.

RC **Ricardo Ceballos** 27:49

Oh, I don't think so. Uh, Luigi, do you know?

TS **Tom Sgroi** 27:53

It's a local Rd.

RC **Ricardo Ceballos** 27:56

It's a local Rd.

MP **Mark Peterson** 27:57

OK. Thank you.

RC **Ricardo Ceballos** 28:00

Thank you.



Tom Sgroi 28:12

I like that County Road thing. I don't think we use that term in Connecticut.



Nelson Leite 28:20

Ricardo and two of the manholes there, there are those manhole cages in them. Would those have to be replaced after TIPP installation or?



Ricardo Ceballos 28:34

No, once no, those will have to be removed. They do not have to be reinstalled.



Nelson Leite 28:43

OK.

Will the bypass be able to go through that?

Children's Park there by the easement.

Or well, where you have to route it a different way.



Ricardo Ceballos 29:11

No, it will. It can go that way. It can basically follow our pipe.



Nelson Leite 29:17

OK.

And at the end of the job there on Davis, are you requiring the bypass to stay on the left side of that fence or can we stay to the right of the fence where the discharge manhole would be?



Ricardo Ceballos 29:49

Log over here.



Nelson Leite 29:53

I'm not seeing what you're sharing.



Ricardo Ceballos 29:53

So.

Oh, sorry about that.

So it I'm assuming this will be your discharge manhole. I believe the manhole.

TS **Tom Sgroi** 30:07

Ricardo, you don't have it up.

Ricardo Ceballos 30:09

Oh, it's still not sharing.

TS **Tom Sgroi** 30:12

No.

Ricardo Ceballos 30:14

There you go. Can you see it now?

NL **Nelson Leite** 30:17

Yes.

Ricardo Ceballos 30:17

So I'm assuming this will be your discharge manhole is the I guess the very first one downstream.

NL **Nelson Leite** 30:22

Oh, that's. Oh, yeah. Yeah. 29, whatever that is. Yeah. Yeah.

Ricardo Ceballos 30:27

29 So the manhole, from what I recall, Luigi, correct me if I'm wrong, it's on the it's on the right side of the fence, so it's outside of the fence.

TS **Tom Sgroi** 30:40

That's correct.

Ricardo Ceballos 30:44

So if you don't have to be on someone else's property, that's better and just simply

stay on the back of the fence and that will be our WA property.
Uh, and they.

NL Nelson Leite 30:59

Yeah, Ricardo, yeah, that manhole is definitely on the right side of the fence as you're looking downstream. It's like really close to the fence area, but it is on the grassy area, not on the.

Not on the left side of the fence, that's why I was just asking, because obviously if you're staying on the left side of the fence, you would have to do a little clearing there just to try to drag the pipe, but then you would have to remove the fence just to get the discharge onto the other side of the fence.

Ricardo Ceballos 31:36

So it is in the grassed area, so it is on on.

NL Nelson Leite 31:39

It is. It is, yeah, correct.

Ricardo Ceballos 31:43

OK. All right. Uh.

I guess we'll we'll we'll have to coordinate with the with the property owner then to be able to keep the pipe either talk against the fence.

Since we're gonna have to access it anyways for the to for the discharge.

NL Nelson Leite 32:03

So whatever restoration we need there, that's on the contractor, right?

Ricardo Ceballos 32:08

Yes, and it that will be part of that that item 201 that I mentioned earlier clearing and groving that will include any fence repairs and all that stuff.

NL Nelson Leite 32:15

OK.

 **Ricardo Ceballos** 32:30
Yeah, item 201.

 **Nelson Leite** 32:32
So the pumping system where we're starting in that easement, will that the bypass pumps, will those have to be in the containment unit for spillage of fuel if it happens or?

 **Ricardo Ceballos** 32:49
Yes, that's correct.

 **Nelson Leite** 32:51
OK.

 **Ricardo Ceballos** 32:54
And the excavator that's going to be brought in to modify the manholes. This is what we use for the previous project. It is the alternative you have if you have to remove that cone for.
Not just for installation purposes, but also for for the installation of the bypass pipes. Basically we have to remove the cone.

 **Nelson Leite** 33:33
Yeah.

 **Ricardo Ceballos** 33:33
As the biodegradable oil.

 **Nelson Leite** 33:37
Yeah.
Ricardo, obviously if we're doing, if we were to do water installations, I know you said something about the approved hydrants. There's obviously very few that are close to the job site where those happen to be.
Hopefully the hydrants that would be.
Supply to us.



Ricardo Ceballos 34:20

Yes, I I I don't see why not. There is a school on the South end of our project and RWA is very or they're always concerned about turbidity and. And and and messing up the the color of the water. So as long as we follow the 200 gallons per minute, they are very much OK with us using almost any manhole, any fire hydrant. We checked with the RWA and they have a good size water mains in the area that you guys can use, so I don't see that as a problem at all.



Nelson Leite 35:12

OK.



Lawrence Curtis 35:27

I'm I'm assuming we'll need a permit to use any hydrant.



Ricardo Ceballos 35:32

Yes.



Lawrence Curtis 35:34

Mhm.



Ricardo Ceballos 35:35

Yes, correct.

Same, same permit of the last 20 years. They'll inspect your equipment, they'll give you the meter, you pay the fees, the usage is deducted from those fees, and you pay the difference or they'll. Or you paid the difference I guess.



Tom Sgroi 36:24

Oh, say you guys.

And gals. I don't know if there's any gals on here, but.



Nelson Leite 36:29

Ricardo, I do have one more question for the bypass when it crosses Davis is is that trench on us or is that fall into something else on?



Ricardo Ceballos 36:46

The pay items that we have set up, so the flow control and bypass pumping is strictly for bypass pumping if you have to do a trench to bury the bypass pipe.

That will be covered by pay items 205 and 407 and we have an allowance there. So, so yeah, it is on you to complete in the items, but it's not part of the bypass.

Sanitary sewer flow control and bypass pumping item OK.



Nelson Leite 37:29

OK.



Ricardo Ceballos 37:37

There is only one sewer lateral that will have to be reinstated. It is on the very first segment upstream.

That is the one and only lateral if there are concerns about about infiltration.

You guys can propose to go in there and and patch it up.

Applied some something grout or high perform or something like that if if that's gonna make your installation process easier and at least not have to worry about it. I mean it's a 42 inch pipe so.



Mike Robling InfraHorse 38:22

Sure.



Ricardo Ceballos 38:24

Against your means and methods. That's that's what it's all about. That's what. That's why you guys are good at it.

All right, since there are no more raised hands.

I want to thank everyone for joining us today. I look forward to getting your bids again. The bid date is December.

I had it in front of me.

December 18th and the questions, as I mentioned earlier, shall be sent to us by December 11th in order to be considered. As I mentioned, there will be at least one addendum.

We may issue one rather earlier and then a second one will be after the the deadline for written questions. So at the very least least there will be one addendum. So just don't forget to acknowledge the addendum with your bids. That's it. Thank you everyone and we'll see you soon.

NL **Nelson Leite** 39:56
Thank you.

TS **Tom Sgroi** 39:57
Thank you.