April 11, 2025

ADDENDUM No. 2

TO: All Potential Bidders

PROJECT: **Bid 2900-0525 - 2025 FAIRMONT SANITARY SEWER REHABILITATION PROGRAM**

BID OPENING: Thursday, April 17, 2025, 11:00 A.M.

The following is a list of changes to the above-referenced project. Please indicate your acknowledgment of Addendum No. 2 by executing the attached acknowledgement form and submitting it with your bid. Bidder shall also state on the envelope of the Bid that he or she is in receipt of Addendum #2.

ADDENDUM No. 2 CONSISTS OF 30 PAGES IN TOTAL.

CHANGE THE FOLLOWING ITEM(S) IN THE BID DOCUMENTS:

SPECIFICATIONS:

1. LEGAL NOTICE

DELETE the following on page 7.

“This includes, but is not limited to, approximately 17,110 LF of pre-construction cleaning and televising, 17,110 LF of CIPP lining, and the rehabilitation of 40 manholes for the Base Bid, with an alternate bid of 260 LF of pre-construction cleaning and televising, 260 LF of CIPP lining, and the rehabilitation of two (2) manholes, as well as all associated site grading, paving, roadway, and parkway restoration.”

INSERT the following on page 7.

“This includes, but is not limited to, approximately 17,110 LF of pre-construction cleaning and televising, 17,110 LF of CIPP lining, and the rehabilitation of 50 manholes, as well as all associated site grading, paving, roadway, and parkway restoration.”

2. GENERAL CONDITIONS

STRIKETHROUGH/REMOVE item 3.9.3 – Frac Tank Bypass Plan (For Alternate Bid Only): (1) electronic copy – on page 32.

3. SPECIAL PROVISIONS

DELETE the following on page 51.

“This includes, but is not limited to, approximately 17,110 LF of pre-construction cleaning and televising, 17,110 LF of CIPP lining, and the rehabilitation of 36 manholes for the Base Bid, with an alternate bid of 260 LF of pre-construction cleaning and televising, 260 LF of CIPP lining, and the rehabilitation of four (4) manholes, as well as all associated site grading, paving, roadway, and parkway restoration.”

INSERT the following on page 51.

“This includes, but is not limited to, approximately 17,110 LF of pre-construction cleaning and televising, 17,110 LF of CIPP lining, and the rehabilitation of 50 manholes, as well as all associated site grading, paving, roadway, and parkway restoration.”

4. SPECIAL PROVISIONS

STRIKETHROUGH/REMOVE Item 22. BYPASS PUMPING (ALTERNATE BID) in its entirety on pages 70-72.

5. PROPOSAL FORM

DELETE pages 135 through 138 in their entirety (4 pages).

INSERT the revised pages 135 through 136 in their entirety (2 pages).

6. APPENDIX A – PRE-CLEANING AND TELEVISING SCHEDULE

DELETE pages 166 through 168 in their entirety (3 pages).

INSERT the revised pages 164 through 166 in their entirety (3 pages).

7. APPENDIX B – PIPELINING SCHEDULE

DELETE pages 170 through 172 in their entirety (3 pages).

INSERT the revised pages 172 through 174 in their entirety (3 pages).

8. APPENDIX C – MANHOLE REHABILITATION SCHEDULE

DELETE pages 174 through 175 in their entirety (2 pages).

INSERT the revised pages 172 through 173 in their entirety (2 pages).

CONSTRUCTION PLAN SET:

1. **COVER PAGE**

DELETE the COVER PAGE in its entirety (1 sheet).

INSERT the revised COVER PAGE (1 sheet).

2. **SUMMARY OF QUANTITIES**

DELETE the SUMMARY OF QUANTITIES in its entirety (1 sheet).

INSERT the revised SUMMARY OF QUANTITIES (1 sheet).

3. **MAINLINE LINING – GRID 1**

DELETE the MAINLINE LINING – GRID 1 in its entirety (1 sheet).

INSERT the revised MAINLINE LINING – GRID 1 (1 sheet).

4. **MANHOLE REHABILITATION – GRID 1**

DELETE the MANHOLE REHABILITATION – GRID 1 in its entirety (1 sheet).

INSERT the revised MANHOLE REHABILITATION – GRID 1 (1 sheet).

CLARIFICATIONS:

1. **Please see attached clarifications:**
   a. Questions & Answers

QUESTIONS FROM POTENTIAL BIDDERS AND ANSWERS

Q: Will the City be shutting down the Lawrence lift station during lining and how long will they be shutting it down?

A: The Lawrence Lift Station can be temporarily shut down during lining operations for the downstream segment, limited to the duration of the workday.

Q: Can we get flow data and/or run times and duration for the 4” force main from the Lawrence Lift Station into MH21382?

A: See below for details of the Lawrence Lift Station.

Design Pump Capacity = 230 GPM
TDH = 56 feet
Average Flow (GPD): 14,500 GPD
Max Flow (GPD): 86,600 GPD

Q: Can a bid item for Railroad insurance and Railroad Flaggers of $10k be added?

A: The City will coordinate with Railroad entities, as necessary, throughout the duration of the project. With the removal of the Alternate Bid from the scope, the City does not anticipate specific requirements from the Railroad for this work.

Q: Can the City provide depth data on the line going under the tracks. Do we have an understanding of how deep or what shape it takes?

A: CIPP lining of this segment has been removed from the scope and the information is not needed. However, an As-built of the area has been attached in Appendix D for reference.

Q: The alternate cementitious manhole sealing bid item calls for 5 VF. According to the plans, MH 21344 and MH-21347 are designated for cementitious manhole sealing. Between the two, they equal 23.32 VF, as indicated in the manhole rehabilitation table. Will the city adjust the bid quantities to reflect this?

A: The Alternate Bid has been removed from the Scope. The bid quantities have been updated accordingly.

Q: Bid item 23 Cementitious Manhole Sealing 36” has a bid quantity of 14 VF, but the manhole rehabilitation table specifies 12.42 VF for a single manhole. Please confirm the quantities with the city for this item.

A: The discrepancy in quantities is due to small buffer amounts.

Q: Bid Item 24 Cementitious Manhole Sealing 48” has a bid quantity of 76 VF, but the manhole rehabilitation table calls for 52.43 VF. The manhole rehabilitation table indicates a quantity of 5 manholes, totaling 52.43 VF. The plans only show MH-21336, 21361, and 21380 for rehabilitation, which is 33.16 VF. Manholes

21334 and 21337 are not included in the plans. Could the city please confirm the manholes Bid Item 24 applies to and update the bid quantity accordingly

A: With the removal of the Alternate Bid, Bid Item 24 Cementitious Manhole Sealing 48” has an updated bid quantity of nine (9) manholes totaling 100 VF, which includes added footage for buffer.

Q: Will the City approve AV-258LV in leu of AV-248LV?

A: All approved equal requests shall be reviewed by the Engineer and City during the material submittal process following the bid opening, as found in the Specifications in Section 3.9 of the General Conditions (page 32).

Q: Will the City approve Quadex Chimney Guard as an approved equal per Section 3.9 Part 3 - Internal Chimney Seal?

A: All approved equal requests shall be reviewed by the Engineer and City during the material submittal process following the bid opening, as found in the Specifications in Section 3.9 of the General Conditions (page 32).

Q: Will the City approve the Quadex I&I Guard-AG as an approved equal per Section 3.9 Part 4 - Grout?

A: All approved equal requests shall be reviewed by the Engineer and City during the material submittal process following the bid opening, as found in the Specifications in Section 3.9 of the General Conditions (page 32).

Q: Will the City approve Quadex QM-1s as an approved equal per Section 3.9 Part 5 - Cementitious Coat?

A: All approved equal requests shall be reviewed by the Engineer and City during the material submittal process following the bid opening, as found in the Specifications in Section 3.9 of the General Conditions (page 32).

Q: Alt Bid: Can the curb lane on S. State St. be closed down for multiple days for the frak tank placement and manhole access for MH21344? If not can frak tanks be placed in the grass area next to S. State St?

A: The Alternate Bid has been removed from the scope which includes the Frak Tank bypass.

Q: Alt Bid: There are no depths provided for manholes 21345 and 21346. I'm assuming these manholes are buried but are confirmed to exist? Do you know if there are drop pipes in this manholes?

A: These manholes exist, are buried, and called to be uncovered as well as cementitiously coated to the flow line since bypass has been removed for this area of the project. The depths of these manholes have been identified by the As-built plan, which has been attached to this Addendum in Appendix D. Manhole 21346 has an external drop pipe. Both depths have been added to the Manhole Rehabilitation Schedule.

Q: Please confirm contractor is allowed to release filtered water removed during the pipe vacuuming process back into the sanitary system? If yes, please confirm that you have been authorized by the sanitary sewer operator to grant this permission?

A: Yes, the Contractor is allowed to release filtered water removed during the pipe vacuuming process back into the sanitary system, but it is not authorized to do so in the stormwater system.

Q: Are there any well water areas, wetland areas, ground water or other sensitive environments proximate to the work area? If so, are there specific controls required to protect these areas such as "preliners"?"?

A: There are no such areas proximate to the work area, therefore no specific controls are required to protect these areas.

Q: Can an extension be granted for the bid date?

A: No extensions will be given to the bid opening date.

Q: Regarding the bypass for the alternate, is the area identified for lining the only neighborhood that dumps into the Old Canal Lift Station? Has the city identified a preferred manhole for the discharge water or a specific required route for bypass?

A: The Alternate Bid has been removed from the scope which includes the Frak Tank bypass.

CITY OF JOLIET

PROJECT: **Bid 2900-0525 City of Joliet, 2025 FAIRMONT SANITARY SEWER REHABILITATION PROGRAM**

BID OPENING: Thursday, April 17, 2025, 11:00 A.M.

ADDENDUM NO. 2

Instructions: Please sign and date this receipt as acknowledgement of ADDENDUM NO.2 for the above-referenced project and submit it with your bid.

Failure to acknowledge receipt of ADDENDUM NO.2 may result in Contractor's BID being considered non-compliant.

Bidder shall also state on the OUTSIDE of the bid submittal envelope that he or she is in receipt of addendum #2 or your bid may not be opened

Signature: _____

Name: _____

Company: _____

Position: _____

Date: _____

3.6 STANDARD SPECIFICATIONS:

Reference to standard specifications of any technical society, organization or association, or to codes of local, state or federal, authorities, shall mean the latest standard; code specification or tentative specification adopted and published at the date of taking bids, unless specifically stated otherwise.

3.7 PRESERVATION OF MONUMENTS AND STAKES:

The Contractor shall carefully preserve all monuments, benchmarks, reference points and stakes. In case of his destruction thereof, the Contractor will be charged with the expense of replacement and shall be responsible for any mistake or loss of time that may be caused. Permanent monuments or benchmarks which must be removed or disturbed shall be protected until they can be properly referenced for relocations. The Contractor shall furnish materials and assistance for proper replacement of such monuments or benchmarks.

3.8 CERTIFICATION OF MATERIALS:

The Engineer shall be furnished with a list of sources of materials before they are shipped so materials can be inspected before shipping, if desired. All materials shall be subject to inspection at the source and at the job site. Engineer may reject any materials at either location. All materials incorporated in this project shall be new materials from the City's approved material list. Use of existing material or recycled materials shall not be permitted without the written consent of the Engineer. The Contractor shall furnish the Engineer with the manufacturer's certificates for all materials supplied to the project except those specifications exempted by the Engineer.

All required materials for this project shall be selected from the City's approved material list, unless specifically called-out otherwise in the Contract Documents Special Provisions for this project and approved by the Engineer in charge of this project.

3.9 SUBMITTALS

Provide complete electronic copies of required submittals and deliver to the Engineer as follows:

1. **Construction progress schedule:** (1) electronic copy
   - Initial work schedule.
   - Revisions to work schedule.
2. **Traffic Control Plan:** (1) electronic copy
3. ~~**Frac Tank Bypass Plan (For Alternate Bid Only):** (1) electronic copy~~
4. **Material Data Sheet Submittals:** (1) electronic copy. All materials data sheets are to be submitted to the ENGINEER and approved before rehabilitation can proceed.
   a) **Liner Design Work Sheets and Data Sheets**
   b) **Liner End Seals Data Sheet**
   c) **Manhole Rehabilitation Material Data Sheets**
      1) **Manhole Castings Data Sheets:** All closed lids shall have the words "City of Joliet" and "SANITARY" cast into them as applicable. Casting shall be East Jordan 1020 AGS lid with seal and 1050Z1 frame. Hinged frame and cover shall be ERGO Assembly, product 00104174L03, or approved equal, and the word "Sanitary Sewer" cast into the lid.
      2) **External Chimney Seals:**
         - Shall conform to ASTM C923 and shall be Infi-Shield Uni-bands, or approved equal.
         - WrapidSeal Canusa-CPS or approved equal.

- Pipe Height (and Width if not Circular)
- Total Pipe Length
- Total Length Surveyed
- Flow Control
- Tape/Media Number
- Pre-Cleaning / Cleaning method
- Pipe condition observations (i.e. grease, roots, deposits, cracks, fractures, sags voids etc.)
- Location of all service connections (description of active vs. inactive)
- Location of all manholes
- Still shot photos of each observation
- NASSCO – Structural, O&M and Overall Ratings

Measurement:

The Contractor shall measure from center of upstream manhole to center of downstream manhole.

Basis of Payment:

Sewer cleaning and television inspection in preparation for rehabilitation work shall be paid for at the Contract Unit Price per Linear Foot for PRE-CONSTRUCTION CLEANING AND TELEVISING and shall include all labor and material required for cleaning sanitary sewer prior to liner installation, including all cleaning, televising, root cutting, removal and disposal of debris, removal of mineral deposits and sewerage solids, and all appurtenances required to complete the work.

22. BYPASS PUMPING (ALTERNATE BID)

No bypass or lining operations shall be performed during wet weather events or periods of high flow. In the case of impending wet weather, bypass operations should have the ability to be taken down in a timely manner to restore normal lift station operations.

Please refer to the Plans for the recommended bypass operations.

This work shall include control of sanitary sewer flow during construction activities in relation to the alternate bid for the upstream segments of Old Canal Lift Station as shown on the Plans. **The Contractor shall pump and store flow into frac tanks during pipelining operations and shall submit their bypass plan for approval from the City and Engineer.**

The Contractor shall be fully responsible for maintaining sewer service during these operations and shall not be allowed to backup or flood any sewer system user, building or property. The Contractor shall be solely liable for property damages that result from the work being performed. When pumping and bypassing is required, the Contractor shall design, furnish, and install temporary bypass pumping and flow storage as needed to maintain the sewer service.

Since complete stoppage or bypassing of flow will be required during construction, the Contractor will be required to submit drawings and complete design data showing methods and equipment to be utilized in bypass operations. The bypass plan shall include the following information:

1. Location of any temporary sewer plugs, doghouse manholes, direct taps, trenches, directionally drilling, road ramps, and bypass discharge lines to be shown on plans.

2. Capacities of pumps, prime movers, and standby equipment
3. Number of frac tanks
4. Type of standby power source
5. Traffic control plans

When pumping and bypassing is required, the Contractor shall furnish all temporary pumps, conduits, and other equipment to divert the flow of sewage around the sewer section in which work is to be performed. Advance notice of at least 48 hours is required prior to bypass operations to allow the Authority or Engineer to notify impacted Owners and Agencies that the bypass is occurring.

The following is the typical average daily and peak daily flows that have been recorded and is provided for informational purposes only. The Contractor is responsible for sizing the individual bypasses with the understanding that the actual flows may vary significantly.

Peak Flows	
Manhole	Daily Peak Flow
21342	0.05 MGD
21362	0.18 MGD

The Contractor shall equip all engines with mufflers and/or enclose to keep noise level less than 50 decibels, or 10 decibels above ambient noise levels when measured at building closest to noise source, using a decibel meter.

The Contractor shall maintain sufficient labor, equipment and materials on site to ensure continuous and successful operation of bypass and dewatering systems including the following:

1. Keep standby pumps fueled and operational at all times
2. Maintain on site sufficient number of valves, tees, elbows, connections, tools, sewer plugs, piping, and other parts or system hardware to ensure immediate repair or modification of any part of system as necessary.
3. Provide piping, joints and accessories designed to withstand at least twice the maximum system pressure or 50 psi (345 kPa), whichever is greater.
    a. For smaller bypasses of private sewers and/or smaller feeder sewers, hoses may be used. For bypassing the main, fused pipe must be used.
4. In areas where flows are bypassed, all discharge flow shall be returned to the sanitary sewer. No bypassing to ground surface, receiving waters, storm drains, or bypassing which results in groundwater contamination or potential health hazards shall be permitted.
5. Bypass system must have a high-water alarm system that simultaneously notifies the Contractor and City personnel.
6. Road Ramps must be used to provide access to local property owners and driveways/entrances. AASHTO HS-20 load requirements apply to all road ramps. All road ramps on commercial driveways/entrances must be stabilized using a cold patch. The Contractor shall repair all pin damage, once road ramps are removed, with HMA patching.

In the event sewage is released into a storm drainage system or street, the Contractor shall immediately stop the release, notify IEPA, and take all necessary actions to clean up and disinfect spillage to satisfaction of the Engineer.

During plugging or bypass pumping operations the Contractor shall utilize sewer plugs specifically designed so that all or any portion of sewage can be released. During sewer flow control operations, reduce flow to comply with requirements as described above. After cleaning, inspection, installation, or rehabilitation work has been completed, restore the flow to normal.

Basis of Payment:

The contractor shall provide the necessary tools, equipment, and restoration to complete all work as described above. This item shall be paid at the Contract Unit Price per Lump Sum for BYPASS PUMPING per the following schedule:

1. Once the bypass is established, 50% of the pay item will be paid.
2. When removal of the bypass is complete, the remaining 50% of the pay item will be paid.

23. FIELD LOCATE AND MARK (SONDE LOCATING)

Description. A camera-mounted locating sonde, capable of operation at depths up to 20 feet, shall be required to determine the location of the new manholes that shall be installed under the Contract. Sonde locating will be used to determine the locations of the buried manholes and locations for new manhole installations.

The location shall be determined above ground via two methods. First, a camera-mounted sonde and compatible detection wand shall be utilized to locate and paint / flag the location while the camera is halted at the manhole installation location. Secondly, the Contractor shall utilize a measuring wheel or tape to measure from the manhole to the located point (based on camera reel counter footage) for confirmation that the correct location is marked. Upon confirmation of location, the manhole installation point shall be thoroughly painted (oil-based white) in paved areas. A GPS coordinate (XYZ position) shall then be obtained to sub-meter accuracy. The contractor shall also submit pictures of the locate. Depths shall also be recorded. If the Contractor fails to document all information necessary to find the location, the Contractor shall re-sonde locate at no additional cost.

Basis of Payment:

This item shall be paid at the Contract Unit Price per Each for FIELD LOCATE AND MARK (SONDE LOCATING) and shall include all labor, equipment and materials required to complete the work. The Engineer must visually inspect the located points before approving the work for payment.

24. CURED-IN-PLACE PIPELINING & LATERAL REINSTATEMENTS

Description. This work shall include the repair of defective sewer by the installation of a resin impregnated flexible felt tube in all segments as shown on the plans. The tube shall be saturated with a thermosetting resin and installed into the existing sewer using an inversion process. Curing

SCHEDULE OF PRICES

ITEM NO.	ITEM DESCRIPTION	BID QTY	UNITS	UNIT PRICE	TOTAL PRICE
1	Pre-Construction Cleaning and Televising	17,110	LF		
2	Field Locate & Mark (Sonde Locating)	5	EACH		
3	Cured-in-Place Pipelining (8")	10,740	LF		
4	Cured-in-Place Pipelining (10")	5,170	LF		
5	Cured-in-Place Pipelining (12")	1,200	LF		
6	Lateral Reinstatements	287	EACH		
7	Cut Protruding Taps	2	EACH		
8	Cut Protruding Taps using Schwalm Robot	1	EACH		
9	Dye Testing of Services	6	EACH		
10	Lateral Launch Services	2	EACH		
11	Replace Frame & Cover Bolted - Hinge Frame (Unpaved)	1	EACH		
12	Replace Sanitary Cover	1	EACH		
13	Seal & Adjust Manhole Frame (Paved)	21	EACH		
14	Seal & Adjust Manhole Frame (Unpaved)	1	EACH		
15	Raise Buried Manhole (Paved)	2	EACH		
16	Raise Buried Manhole (Unpaved)	3	EACH		
17	Replace Frame & Cover (Paved)	14	EACH		
18	Replace Frame & Cover (Unpaved)	4	EACH		
19	Internal Chimney Seal	2	EACH		
20	Grout Wall Joints	10	EACH		
21	Grout Bottom 18"	10	EACH		
22	Curtain Grout Manhole	2	EACH		
23	Cementitious Manhole Sealing, 36" Dia.	14	VF		
24	Cementitious Manhole Sealing, 48" Dia.	100	VF		
25	Vacuum Testing	3	EACH		
26	Repair Bench & Trough	1	EACH		

ITEM NO.	ITEM DESCRIPTION	BID QTY	UNITS	UNIT PRICE	TOTAL PRICE
27	Replace Bench & Trough	1	EACH		
28	Pour Bench	5	EACH		
29	Plug Pipe with Mechanical Plug and Concrete Cap	3	EACH		
30	HMA Driveway Pavement Removal and Replacement	20	SY		
31	PCC Driveway Pavement Removal and Replacement	20	SY		
32	Contingent Cash Allowance	1	LS	$20,000.00	$20,000.00
				BID TOTAL	

BID TOTAL:

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(in writing)

Company name: _____

Address: _____

_____

Phone number: _____

Contact person: _____

Email address: _____

CITY OF JOLIET

2025 FAIRMONT SANITARY SEWER REHABILITATION PROGRAM

APPENDIX A

PRE-CLEANING AND TELEVISING SCHEDULE

CITY OF JOLIET
2025 FAIRMONT SANITARY SEWER REHABILITATION PROGRAM
PRE-CLEANING AND TELEVISING SCHEDULE

USMH	DSMH	Street	Material	Diameter (in)	Length (ft)	Protruding Taps	Project Work	Exhibit Grid Number(s)
7135	21338	HUGHES AVE	Cast Iron	8"	396.2	0	CIPP Lining	1
21332	21333	DELL PARK AVE	Cast Iron	8"	400.2	0	CIPP Lining	1
21333	21334	PINE AVE	Cast Iron	8"	229.0	0	CIPP Lining	1
21334	21335	DELL PARK AVE	Cast Iron	8"	206.0	0	CIPP Lining	1
21335	21336	HUGHES AVE	Cast Iron	8"	302.4	0	CIPP Lining	1
21336	21342	HUGHES AVE	Cast Iron	8"	109.3	0	CIPP Lining	1
21337	21336	HUGHES AVE	Cast Iron	8"	185.3	0	CIPP Lining	1
21338	21337	PINE AVE	Cast Iron	8"	302.4	0	CIPP Lining	1
21342	21343	S STATE ST	Cast Iron	8"	97.6	0	CIPP Lining	1
21343	21344	S STATE ST	Cast Iron	12"	88.4	0	CIPP Lining	1
21348	21336	CONNOR AVE	Cast Iron	8"	301.4	0	CIPP Lining	1
21365	21343	S STATE ST	Cast Iron	12"	265.2	0	CIPP Lining	1
21331	21332	GREEN GARDEN PL	Cast Iron	8"	399.4	0	CIPP Lining	2
21339	7135	GREEN GARDEN PL	Cast Iron	8"	400.6	0	CIPP Lining	2
21340	21339	HUGHES AVE	Cast Iron	8"	400.0	0	CIPP Lining	2
21341	21331	DELL PARK AVE	Cast Iron	8"	400.0	0	CIPP Lining	2
21349	21348	CONNOR AVE	Cast Iron	8"	319.7	1	CIPP Lining	3
21350	21349	PINE AVE	Cast Iron	8"	291.5	0	CIPP Lining	3
21351	21350	GREEN GARDEN PL	Cast Iron	8"	400.4	0	CIPP Lining	3
21356	21357	GREEN GARDEN PL	Cast Iron	8"	408.1	0	CIPP Lining	3
21357	21358	PINE AVE	Cast Iron	8"	385.4	0	CIPP Lining	3
21358	21349	PINE AVE	Cast Iron	8"	342.8	0	CIPP Lining	3
21359	21358	PINE AVE	Cast Iron	8"	135.1	0	CIPP Lining	3
21360	21361	BRUCE RD	Reinforced Concrete	8"	402.7	0	CIPP Lining	3
21361	21362	BRUCE RD	Reinforced Concrete	10"	276.2	0	CIPP Lining	3
21362	21363	S STATE ST	Reinforced Concrete	12"	73.8	0	CIPP Lining	3
21363	21364	BRUCE RD	Reinforced Concrete	12"	365.1	0	CIPP Lining	3
21364	21365	S STATE ST	Cast Iron	12"	400.9	0	CIPP Lining	3

CITY OF JOLIET
2025 FAIRMONT SANITARY SEWER REHABILITATION PROGRAM
PRE-CLEANING AND TELEVISING SCHEDULE

USMH	DSMH	Street	Material	Diameter (in)	Length (ft)	Protruding Taps	Project Work	Exhibit Grid Number(s)
21366	21361	BRUCE RD	Reinforced Concrete	10"	400.8	0	CIPP Lining	3
21367	21366	BRUCE RD	Reinforced Concrete	10"	399.5	0	CIPP Lining	3
21352	21351	CONNOR AVE	Cast Iron	8"	409.0	0	CIPP Lining	4
21353	21352	LOIS AVE	Cast Iron	8"	405.2	0	CIPP Lining	4
21354	21355	LOIS AVE	Cast Iron	8"	410.3	0	CIPP Lining	4
21355	21356	CAMERON AVE	Cast Iron	8"	292.4	0	CIPP Lining	4
21370	21371	BRASSEL ST	Reinforced Concrete	10"	399.2	0	CIPP Lining	4
21371	21372	MAY ST	Reinforced Concrete	10"	401.3	0	CIPP Lining	4
21372	21373	MAY ST	Reinforced Concrete	10"	398.5	0	CIPP Lining	4
21373	21367	GREEN GARDEN PL	Reinforced Concrete	10"	402.0	0	CIPP Lining	4
21379	21378	CONNOR AVE	Cast Iron	8"	384.7	0	CIPP Lining	4
21368	21369	BRUCE RD	Reinforced Concrete	10"	388.1	0	CIPP Lining	5
21369	21370	VOLZ AVE	Reinforced Concrete	10"	408.9	0	CIPP Lining	5
21375	21374	LAWRENCE AVE	Cast Iron	8"	203.3	0	CIPP Lining	5
21376	21375	CONNOR AVE	Cast Iron	8"	243.6	0	CIPP Lining	5
21377	21376	CONNOR AVE	Cast Iron	8"	375.0	0	CIPP Lining	5
21378	21377	CONNOR AVE	Cast Iron	8"	359.4	0	CIPP Lining	5
21380	21374	LAWRENCE AVE	Cast Iron	8"	434.5	0	CIPP Lining	5
21381	21374	CONNOR AVE	Cast Iron	8"	401.0	0	CIPP Lining	5
21382	21368	BRUCE RD	Reinforced Concrete	10"	411.4	0	CIPP Lining	5
21383	21382	BRUCE RD	Reinforced Concrete	10"	360.7	0	CIPP Lining	5
21384	21383	BRUCE RD	Reinforced Concrete	10"	407.7	0	CIPP Lining	6
21385	21384	BRUCE RD	Reinforced Concrete	10"	256.0	0	CIPP Lining	6
21386	21385	BRUCE RD	Reinforced Concrete	10"	255.1	0	CIPP Lining	6
			8" Total:		10734	1		
			10" Total:		5165	0		
			12" Total:		1193	0		
			Total:		17093	1		

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CITY OF JOLIET

2025 FAIRMONT SANITARY SEWER REHABILITATION PROGRAM

APPENDIX B

PIPELINING SCHEDULE

CITY OF JOLIET

2025 FAIRMONT SANITARY SEWER REHABILITIATION PROGRAM

PIPELINING SCHEDULE

Upstream Manhole (USMH)	Downstream Manhole (DSMH)	Address	Pipe Diameter (in.)	Pipe Material	Segment Length (ft.)	USMH Depth (ft.)	DSMH Depth (ft.)	Number of Live Services	Number of Capped Services	Number of Protruding Taps	Exhibit Grid Number(s)
7135	21338	HUGHES AVE	8"	Cast Iron	396	7.5	8.9	12	0	0	1
21332	21333	DELL PARK AVE	8"	Cast Iron	400	8.7	8.2	5	0	0	1
21333	21334	PINE AVE	8"	Cast Iron	229	8.2	11.1	2	0	0	1
21334	21335	DELL PARK AVE	8"	Cast Iron	206	11.1	6.0	2	0	0	1
21335	21336	HUGHES AVE	8"	Cast Iron	302	6.0	13.7	4	0	0	1
21336	21342	HUGHES AVE	8"	Cast Iron	109	13.7	9.9	0	0	0	1
21337	21336	HUGHES AVE	8"	Cast Iron	185	8.2	13.7	7	0	0	1
21338	21337	PINE AVE	8"	Cast Iron	302	8.9	8.2	6	0	0	1
21342	21343	S STATE ST	8"	Cast Iron	98	9.9	9.9	0	0	0	1
21343	21344	S STATE ST	12"	Cast Iron	88	9.9	11.0	0	0	0	1
21348	21336	CONNOR AVE	8"	Cast Iron	301	8.9	13.7	5	2	0	1
21365	21343	S STATE ST	12"	Cast Iron	265	8.4	9.9	1	0	0	1
21331	21332	GREEN GARDEN PL	8"	Cast Iron	399	13.6	8.7	5	0	0	2
21339	7135	GREEN GARDEN PL	8"	Cast Iron	401	8.3	7.5	6	0	0	2
21340	21339	HUGHES AVE	8"	Cast Iron	400	7.4	8.3	12	0	0	2
21341	21331	DELL PARK AVE	8"	Cast Iron	400	4.7	13.6	5	0	0	2
21349	21348	CONNOR AVE	8"	Cast Iron	320	9.2	8.9	6	0	1	3
21350	21349	PINE AVE	8"	Cast Iron	292	7.6	9.2	9	0	0	3
21351	21350	GREEN GARDEN PL	8"	Cast Iron	400	10.3	7.6	6	0	0	3
21356	21357	GREEN GARDEN PL	8"	Cast Iron	408	9.8	11.1	9	0	0	3
21357	21358	PINE AVE	8"	Cast Iron	385	11.1	10.7	10	0	0	3
21358	21349	PINE AVE	8"	Cast Iron	343	10.7	9.2	2	0	0	3
21359	21358	PINE AVE	8"	Cast Iron	135	7.9	10.7	4	0	0	3
21360	21361	BRUCE RD	8"	Reinforced Concrete	403	6.2	11.2	3	0	0	3
21361	21362	BRUCE RD	10"	Reinforced Concrete	276	11.2	7.5	2	0	0	3
21362	21363	S STATE ST	12"	Reinforced Concrete	74	7.5	9.2	0	0	0	3
21363	21364	BRUCE RD	12"	Reinforced Concrete	365	9.2	10.4	1	0	0	3
21364	21365	S STATE ST	12"	Cast Iron	401	10.4	8.4	0	0	0	3

Note: Actual quantity of lateral reinstatements may be lower than indicated in the schedule based on dye testing results.

CITY OF JOLIET

2025 FAIRMONT SANITARY SEWER REHABILITIATION PROGRAM

PIPELINING SCHEDULE

Upstream Manhole (USMH)	Downstream Manhole (DSMH)	Address	Pipe Diameter (in.)	Pipe Material	Segment Length (ft.)	USMH Depth (ft.)	DSMH Depth (ft.)	Number of Live Services	Number of Capped Services	Number of Protruding Taps	Exhibit Grid Number(s)
21366	21361	BRUCE RD	10"	Reinforced Concrete	401	15.7	11.2	10	0	0	3
21367	21366	BRUCE RD	10"	Reinforced Concrete	400	15.6	15.7	9	0	0	3
21352	21351	CONNOR AVE	8"	Cast Iron	409	8.1	10.3	7	0	0	4
21353	21352	LOIS AVE	8"	Cast Iron	405	9.6	8.1	9	0	0	4
21354	21355	LOIS AVE	8"	Cast Iron	410.3	8.1	11.1	10	0	0	4
21355	21356	CAMERON AVE	8"	Cast Iron	292	11.1	9.8	7	0	0	4
21370	21371	BRASSEL ST	10"	Reinforced Concrete	399	6.8	6.8	8	0	0	4
21371	21372	MAY ST	10"	Reinforced Concrete	401	6.8	13.1	9	0	0	4
21372	21373	MAY ST	10"	Reinforced Concrete	398	13.1	14.5	10	0	0	4
21373	21367	GREEN GARDEN PL	10"	Reinforced Concrete	402	14.5	15.6	7	0	0	4
21379	21378	CONNOR AVE	8"	Cast Iron	385	7.5	7.0	9	0	0	4
21368	21369	BRUCE RD	10"	Reinforced Concrete	388	8.4	8.4	6	0	0	5
21369	21370	VOLZ AVE	10"	Reinforced Concrete	409	8.4	6.8	8	0	0	5
21375	21374	LAWRENCE AVE	8"	Cast Iron	203	7.4	12.4	4	0	0	5
21376	21375	CONNOR AVE	8"	Cast Iron	244	7.5	7.4	6	0	0	5
21377	21376	CONNOR AVE	8"	Cast Iron	375	8.3	7.5	8	0	0	5
21378	21377	CONNOR AVE	8"	Cast Iron	359	7.0	8.3	6	0	0	5
21380	21374	LAWRENCE AVE	8"	Cast Iron	435	8.3	12.4	7	0	0	5
21381	21374	CONNOR AVE	8"	Cast Iron	401	4.7	12.4	0	0	0	5
21382	21368	BRUCE RD	10"	Reinforced Concrete	411	8.2	8.4	4	0	0	5
21383	21382	BRUCE RD	10"	Reinforced Concrete	361	6.5	8.2	4	0	0	5
21384	21383	BRUCE RD	10"	Reinforced Concrete	408	7.0	6.5	5	0	0	6
21385	21384	BRUCE RD	10"	Reinforced Concrete	256	9.5	7.0	3	0	0	6
21386	21385	BRUCE RD	10"	Reinforced Concrete	255	11.3	9.5	2	0	0	6

Note: Actual quantity of lateral reinstatements may be lower than indicated in the schedule based on dye testing results.

CITY OF JOLIET

2025 FAIRMONT SANITARY SEWER REHABILITIATION PROGRAM

PIPELINING SCHEDULE

Upstream Manhole (USMH)	Downstream Manhole (DSMH)	Address	Pipe Diameter (in.)	Pipe Material	Segment Length (ft.)	USMH Depth (ft.)	DSMH Depth (ft.)	Number of Live Services	Number of Capped Services	Number of Protruding Taps	Exhibit Grid Number(s)
Pipe Diameter Totals					Length (ft)			Live	Capped	Protruding	
8" Total:					10734			193	2	1	
10" Total:					5165	Services Totals		87	0	0	
12" Total:					1193			2	0	0	
Total:					17093			282	2	1	
Note: Actual quantity of lateral reinstatements may be lower than indicated in the schedule based on dye testing results.											

Note: Actual quantity of lateral reinstatements may be lower than indicated in the schedule based on dye testing results.

CITY OF JOLIET

2025 FAIRMONT SANITARY SEWER REHABILITATION PROGRAM

APPENDIX C

MANHOLE REHABILITATION SCHEDULE

Joliet , IL

2025 FAIRMONT SEWER REHABILITATION PROGRAM

MANHOLE REHABILITATION SCHEDULE

GENERAL INFORMATION										RECOMMENDATIONS															
Manhole No.	Street Number	Street Name	MACP Location Code	Surface Type	Structure Depth (ft)	Structure Diameter (in)	Chimney Height (in)	Wall Material	Flood-plain Status	Replace Cover	Replace Frame & Bolted Cover (Non-Paved)[1]	Replace Frame & Cover (Paved)[1]	Replace Frame & Cover (Non-Paved)[1]	Seal & Adjust Frame (Paved)[1]	Internal Chimney Seal	Cementitious Manhole Sealing	Grout Wall Joints	Number of Wall Joints	Wall Joint Location[2]	Curtain Grout Bottom 18"	Full Curtain Grout	Replace Bench & Trough	Uncover/ Raise Buried Manhole (Paved)	Uncover/ Raise Buried Manhole (Non-Paved)	Exhibit Grid #
21333	208	Dell Park Ave	Street Pavement	Asphalt	8.18	48	6	Precast Concrete	None					X											1
21334	35	Pine St	Within 2 Feet of Pavement	Non-Paved	11.12	48		Precast Concrete	None					X		X									1
21335	104	Dell Park Ave	Paved Easement	Non-Paved	6.04	48		Precast Concrete	None			X													1
21336	101	Hughes Ave	Within 2 Feet of Pavement	Non-Paved	13.7	48		Precast Concrete	None			X				X									1
21337	111	Hughes Ave	Within 2 Feet of Pavement	Non-Paved	8.15	48		Precast Concrete	None			X				X									1
21338	211	Hughes Ave	Street Pavement	Asphalt	8.85	48	10	Precast Concrete	None					X			X	1	B						1
21342	State St & Hughes Ave	Fairmont	Grass Easement	Within 2 ft Pavement	9.9	48	10	Precast Concrete	None			X													1
21343	State/Hughes	Fairmont	Grass Easement	Within 2 ft Pavement	9.91	48		Precast Concrete	None					X											1
21344	State St & Hughes Ave	Fairmont	Easement/Right of Way	Grass/Dirt	11	48	24	Precast Concrete	None	X						X									1
21345	State St & Hughes Ave	Fairmont	Grass Easement	Grass/Dirt	5.7	48		Precast Concrete	None							X								X	1
21346	State St & Hughes Ave	Fairmont	Grass Easement	Grass/Dirt	11.5	48		Precast Concrete	None							X								X	1
21347	Lockport, Canal Liftstation	401	Grass Easement	Non-Paved	12.32	48		Precast Concrete	100 Year		X					X									1
7135	226	Hughes Ave	Grass Easement	Within 2 ft Pavement	7.46	48		Precast Concrete	None			X								X					2
21331	311	Dell Park Ave	Within 2 Feet of Pavement	Non-Paved	13.62	48		Poured Concrete	None					X			X	1	B						2
21332	300	Dell Park Ave	Street Pavement	Asphalt	8.67	48	10	Precast Concrete	None								X	2	B, C						2
21339	318	Hughes Ave	Light Highway	Asphalt	8.3	48	16	Precast Concrete	None													X			2
21340	337	Hughes Ave	Within 2 Feet of Pavement	Non-Paved	7.4	48		Precast Concrete	None			X													2
21341	332	Dell Park Ave	Within 2 Feet of Pavement	Non-Paved	4.67	48		Precast Concrete	None					X			X	1	A						2
21348	105	Connor Ave	Street Pavement	Asphalt	8.89	48	6	Precast Concrete	None					X											3
21349	300	Pine St	Street Pavement	Asphalt	9.2	48		Precast Concrete	None					X						X					3
21350	213	Connor Ave	Street Pavement	Asphalt	7.6	48		Precast Concrete	None					X											3
21357	219	Cameron Ave	Light Highway	Asphalt	11.1	48	8	Precast Concrete	None					X											3
21358	327	Pine St	Street Pavement	Asphalt	10.72	48		Precast Concrete	None											X					3
21359	405	Pine St	Street Pavement	Asphalt	7.85	48		Precast Concrete	None					X											3
21360	2722	Lockport Rd	Grass Easement	Grass/Dirt	6.2	36		Precast Concrete	None				X												3
21361	104	Bruce Road	Street Pavement	Asphalt	11.16	48		Precast Concrete	None			X				X									3
21362	State/Bruce	Fairmont	Within 2 Feet of Pavement	Non-Paved	7.54	48	8	Precast Concrete	None			X											X		3
21363	State/Bruce	Fairmont	Grass Easement	Non-Paved	9.19	48	16	Precast Concrete	None			X													3

1. Includes External Chimney Seal
2. Joint A is the joint that attaches the cone to the wall. Every subsequent joint below is labeled alphabetically.

Joliet , IL

2025 FAIRMONT SEWER REHABILITATION PROGRAM

MANHOLE REHABILITATION SCHEDULE

GENERAL INFORMATION										RECOMMENDATIONS																
Manhole No.	Street Number	Street Name	MACP Location Code	Surface Type	Structure Depth (ft)	Structure Diameter (in)	Chimney Height (in)	Wall Material	Flood-plain Status	Replace Cover	Replace Frame & Bolted Cover (Non-Paved)[1]	Replace Frame & Cover (Paved)[1]	Replace Frame & Cover (Non-Paved)[1]	Seal & Adjust Frame (Paved)[1]	Internal Chimney Seal	Cementitious Manhole Sealing	Grout Wall Joints	Number of Wall Joints	Wall Joint Location[2]	Curtain Grout Bottom 18"	Full Curtain Grout	Replace Bench & Trough	Uncover/ Raise Buried Manhole (Paved)	Uncover/ Raise Buried Manhole (Non-Paved)	Exhibit Grid #
21365	2700	Lockport Rd	Grass Easement	Within 2 ft Pavement	8.39	48		Not Visible	None			X													3
21351	302	Connor Ave	Within 2 Feet of Pavement	Non-Paved	10.28	48		Precast Concrete	None					X						X					4
21352	318	Connor Ave	Grass Easement	Non-Paved	8.1	48		Rehabilitation	None														X		4
21353	301	Lois St	Within 2 Feet of Pavement	Non-Paved	9.6	48		Precast Concrete	None								X	1	A						4
21354	341	Cameron Ave	Paved Easement	Concrete	8.09	48	10	Precast Concrete	None						X										4
21355	323	Cameron Ave	Street Pavement	Asphalt	11.1	48		Precast Concrete	None					X			X	1	B						4
21356	305	Cameron Ave	Street Pavement	Asphalt	9.8	48		Not Visible	None			X													4
21367	223	Bruce Road	Within 2 Feet of Pavement	Asphalt	15.6	48		Precast Concrete	None					X						X					4
21370	422	Bruce Road	Street Pavement	Asphalt	6.8	36		Precast Concrete	None					X											4
21372	327	May St	Street Pavement	Asphalt	14.47	36		Precast Concrete	None					X											4
21379	404	Connor Ave	Grass Easement	Non-Paved	7.47	48		Not Visible	None				X												4
21368	447	Bruce Road	Street Pavement	Asphalt	8.38	48		Precast Concrete	None					X						X					5
21374	2701	Lawrence Ave	Street Pavement	Asphalt	12.42	36	4	Precast Concrete	None			X				X									5
21375	434	Connor Ave	Grass Easement	Non-Paved	7.4	36		Precast Concrete	None					X											5
21376	426	Connor Ave	Grass Easement	Non-Paved	7.52	48		Precast Concrete	None					X			X	1	B	X					5
21377	417	Connor Ave	Grass Easement	Non-Paved	8.34	48		Not Visible	None						X										5
21378	411	Connor Ave	Grass Easement	Non-Paved	7	48		Not Visible	None			X								X					5
21380	2715	Lawrence Ave	Easement/Right of Way	Grass/Dirt	8.3	48		Precast Concrete	None				X			X									5
21381	2653	Lawrence Ave	Grass Easement	Non-Paved	4.7	32	10	Precast Concrete	None				X												5
21384	600	Bruce Road	Within 2 Feet of Pavement	Non-Paved	7.01	48	13	Precast Concrete	None					X						X					6
21385	710	Bruce Road	Within 2 Feet of Pavement	Non-Paved	9.5	48	4	Precast Concrete	None					X											6
21386	714	Bruce Road	Within 2 Feet of Pavement	Non-Paved	11.31	48	7	Precast Concrete	None			X									X				6
					457.5			**Totals**		**1**	**1**	**14**	**4**	**21**	**2**	**10**	**7**	**8**		**9**	**1**	**1**	**2**	**2**	

For Wall Joint Location coding, joint A is considered to be the joint where the cone attaches to the wall. Every subsequent joint below A is labeled alphabetically.

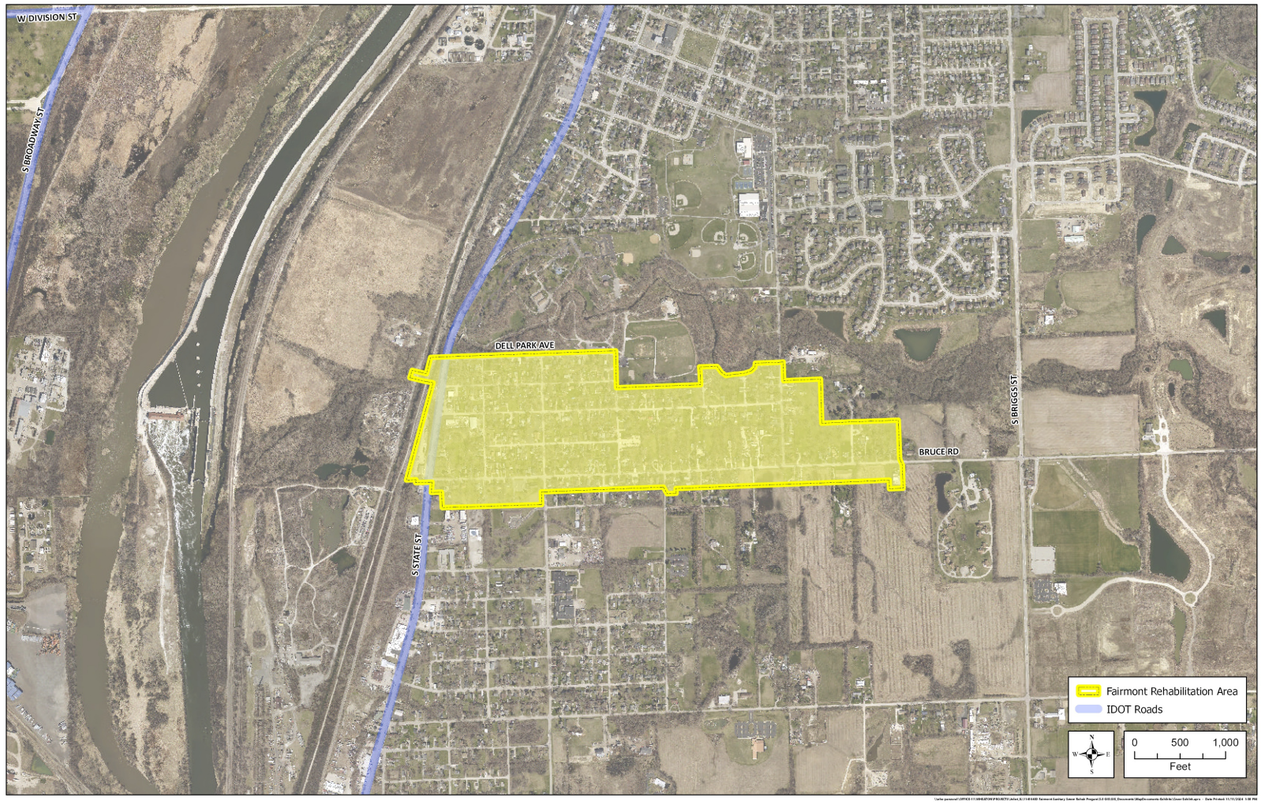
1. Includes External Chimney Seal
2. Joint A is the joint that attaches the cone to the wall. Every subsequent joint below is labeled alphabetically.

CITY OF JOLIET
2025 FAIRMONT SANITARY SEWER REHABILITATION PROGRAM

CONTRACT NO. 2900-0525

INDEX OF SHEETS

1	COVER
2	GENERAL NOTES
3R	SUMMARY OF QUANTITIES
4R - 9	SEWER REHABILITATION EXHIBITS
10R - 15	MANHOLE REHABILITATION EXHIBITS
16 - 19	IDOT STANDARD TRAFFIC CONTROL
20 - 21	DETAILS



LOCATION MAP
(NOT TO SCALE)

2 ADDENDUM 2: APRIL 2025

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES.

FOR UNDERGROUND UTILITY LOCATIONS CALL
J.U.L.I.E. 1-800-892-0123

FOR CONSTRUCTION
MARCH 2025

LICENSED PROFESSIONAL ENGINEER
SAI ARCHANA KUCHIMANCHI
062-069026
OF ILLINOIS

REGISTERED P.E., STATE OF ILLINOIS — EXPIRES 11/30/2025

rjn group
Engineering infrastructure for tomorrow

LICENSE #062-071408
EXPIRES 04/30/2025

2655 WARRENVILLE RD
SUITE 225
DOWNERS GROVE, IL
60515

\\office-1100\share\WHEATON\PROJECTS\Joliet_IL\114416400 Fairmont Sanitary Sewer Rehab Program\7.0 Design\2.0 CAD\Sheets\1 Cover.dwg

ITEM NO.	ITEM DESCRIPTION	UNITS	TOTAL QUANTITY
1	Pre-Construction Cleaning and Televising	LF	17,110
2	Field Locate & Mark (Sonde Locating)	EACH	5
3	Cured-in-Place Pipelining (8")	LF	10,740
4	Cured-in-Place Pipelining (10")	LF	5,170
5	Cured-in-Place Pipelining (12")	LF	1,200
6	Lateral Reinstatements	EACH	287
7	Cut Protruding Taps	EACH	2
8	Cut Protruding Taps using Schwalm Robot	EACH	1
9	Dye Testing of Parcels	EACH	6
10	Lateral Launch Parcels	EACH	2
11	Replace Frame & Cover Bolted - Hinge Frame (Unpaved)	EACH	1
12	Replace Sanitary Cover	EACH	1
13	Seal & Adjust Manhole Frame (Paved)	EACH	21
14	Seal & Adjust Manhole Frame (Unpaved)	EACH	1
15	Raise Buried Manhole (Paved)	EACH	2
16	Raise Buried Manhole (Unpaved)	EACH	3
17	Replace Frame & Cover (Paved)	EACH	14
18	Replace Frame & Cover (Unpaved)	EACH	4
19	Internal Chimney Seal	EACH	2
20	Grout Wall Joints	EACH	10
21	Grout Bottom 18"	EACH	10
22	Curtain Grout Manhole	EACH	2

ITEM NO.	ITEM DESCRIPTION	UNITS	TOTAL QUANTITY
BID CONTINUED			
23	Cementitious Manhole Sealing, 36" Dia.	VF	14
24	Cementitious Manhole Sealing, 48" Dia.	VF	100
25	Vacuum Testing	EACH	3
26	Repair Bench & Trough	EACH	1
27	Replace Bench & Trough	EACH	1
28	Pour Bench	EACH	5
29	Plug Pipe with Mechanical Plug and Concrete Cap	EACH	3
30	HMA Driveway Pavement Removal and Replacement	SY	20
31	PCC Driveway Pavement Removal and Replacement	SY	20
32	Contingent Cash Allowance	LS	1

2

	DESIGNED: PH	⚠ ADDENDUM 2: APRIL 2025
	DRAWN: ML	
	CHECKED: YG	
4/10/2025	DATE: FEBRUARY 2025	

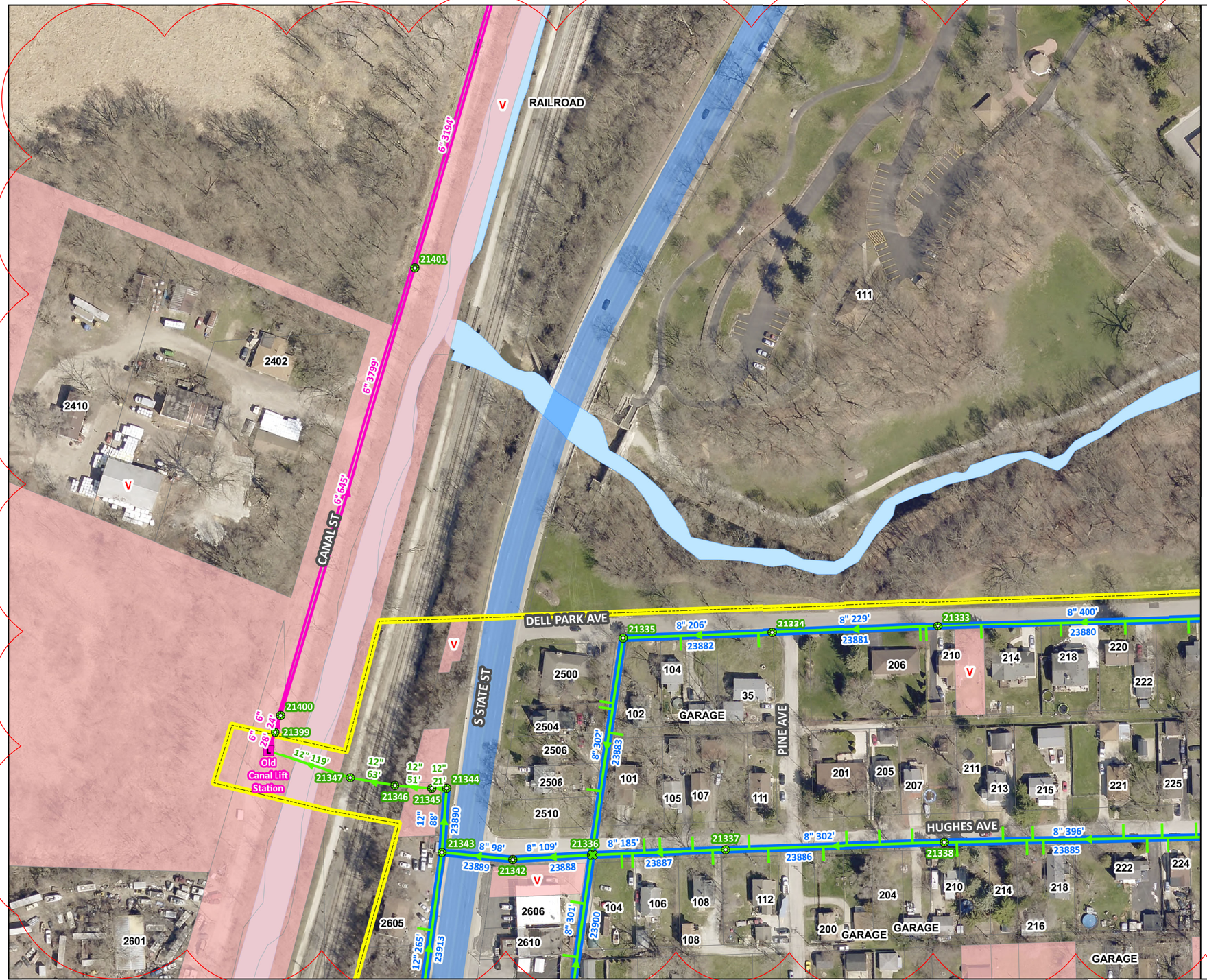
rjn group

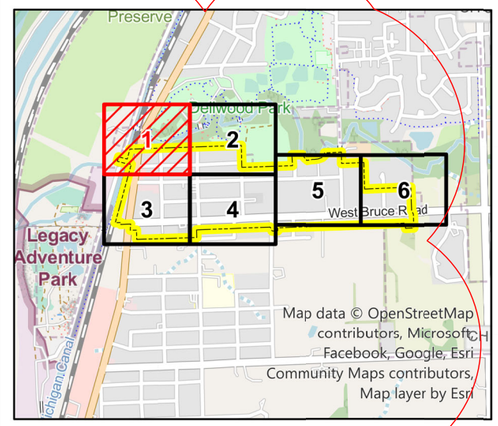
2025 FAIRMONT SANITARY SEWER REHABILITATION PROGRAM

SUMMARY OF QUANTITIES

SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
HORIZONTAL:	WILL	21	3R
VERTICAL:	STA.	TO STA.	
PROJECT NO. 11-4164-00			

\\office-1100\share\WHEATON\PROJECTS\jdille_jf\11416400 fairmont sanitary sewer rehab progamm\7.0 design\2.0 cad\Sheets\3 Summary of Quantities.dwg





- Joliet Sanitary Manhole
- Joliet Sanitary Lift Station
- Joliet Sanitary Gravity Main
- Joliet Sanitary Force Main
- Active Lateral
- Capped Lateral
- Active Lateral at 6 or 12 O'Clock
- Clean, TV, & CIPP
- Parcel Identified for Dye Test
- Vacant Parcel
- Hydrography
- IDOT Road
- 2025 Water Main Project Areas
- Fairmont Rehabilitation Area

2

N
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Feet

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\\office-1100\share\WHEATON\PROJECTS\joliet_fl\11416400 fairmont sanitary sewer rehab progamm\2.0 design\2.0 cad\Sheets\4 MAINLINE LINING - GRID A.dwg

	DESIGNED: PH	⚠ ADDENDUM 2: APRIL 2025				SCALES	COUNTY	TOTAL SHEETS / SHEET NO.
	DRAWN: ML					HORIZONTAL:	WILL	21 / 4R
	CHECKED: YG					VERTICAL:	STA.	TO STA.
4/10/2025	DATE: FEBRUARY 2025					PROJECT NO. 11-4164-00		

For Wall Joint Location Coding, please refer to the manhole rehabilitation schedule for the corresponding joint.

RAILROAD

CANAL ST

S STATE ST

DELL PARK AVE

PINE AVE

HUGHES AVE

GARAGE

Old Canal Lift Station

These structures will be cementitiously coated from the top of the manhole to the flow line.

Frame and cover shall be replaced with ERGO Assembly hinge frame and cover. See Sheet 20.

(FB-NP, S)
(R-NP, S)
(F-P)
(A-P)
(A-P, S)
(F-P, S)
(A-P, GW)
(R-NP, S)
(S, C)

21333 21334 21335 21336 21337 21338 21342 21343 21344 21345 21346 21347

2402 2410 2500 2504 2506 2508 2510 2601 2605 2606 2610

104 106 108 112 200 201 204 205 206 207 210 211 213 214 215 216 218 220 221 222 224 225

35 101 102 105 107 111

Preserve
Dellwood Park
West Bruce Road
Legacy Adventure Park
1 2 3 4 5 6
Map data © OpenStreetMap contributors, Microsoft, Facebook, Google, Esri Community Maps contributors, Map layer by Esri

Manhole Rehabilitation Codes

FB-P - Replace Frame & Bolted Cover (Non-Paved)
F-P - Replace Frame & Cover (Paved)
F-NP - Replace Frame & Cover (Non-Paved)
A-P - Seal & Adjust Frame (Paved)
I - Internal Chimney Seal
S - Cementitious Manhole Sealing
GW - Grout Wall Joints
GB - Curtain Grout Bottom 18"
GFC -Full Curtain Grout
R-P - Uncover/Raise Buried Manhole (Paved)
R-NP - Uncover/Raise Buried Manhole (Unpaved)
C - Replace Cover
T - Replace Bench & Trough

- Structure to Rehabilitate
- Joliet Sanitary Manhole
- Joliet Sanitary Lift Station
- Joliet Sanitary Gravity Main
- Joliet Sanitary Force Main
- Active Lateral
- Capped Lateral
- Active Lateral at 6 or 12 O'Clock
- Hydrography
- Vacant Parcel
- IDOT Road
- 2025 Water Main Project Areas
- Fairmont Rehabilitation Area

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Feet

2

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C:\Users\mgassenpoet\Desktop\Joliet\Fairmont Rehab\dgn\2,0 cad\Sheets\10 MANHOLE REHABILITATION - GRID A.dwg

	DESIGNED: PH	⚠ ADDENDUM 2: APRIL 2025		2025 FAIRMONT SANITARY SEWER REHABILITATION PROGRAM	MANHOLE REHABILITATION – GRID 1	SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN: ML					HORIZONTAL:	WILL	21	10R
	CHECKED: YG					VERTICAL:	STA.	TO STA.	
4/10/2025	DATE: FEBRUARY 2025					PROJECT NO. 11-4164-00			

CITY OF JOLIET

2025 FAIRMONT SANITARY SEWER REHABILITATION PROGRAM

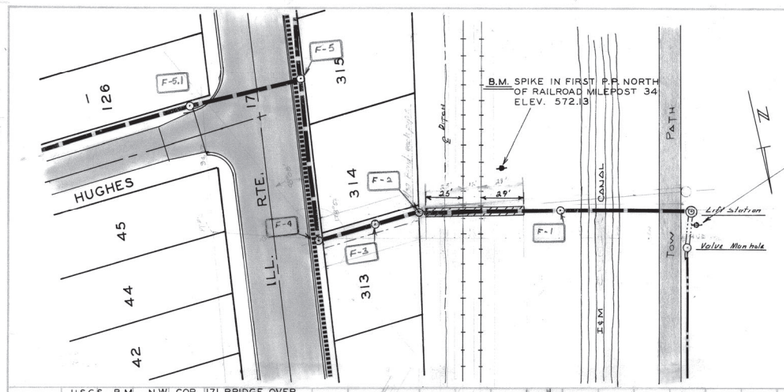
APPENDIX D

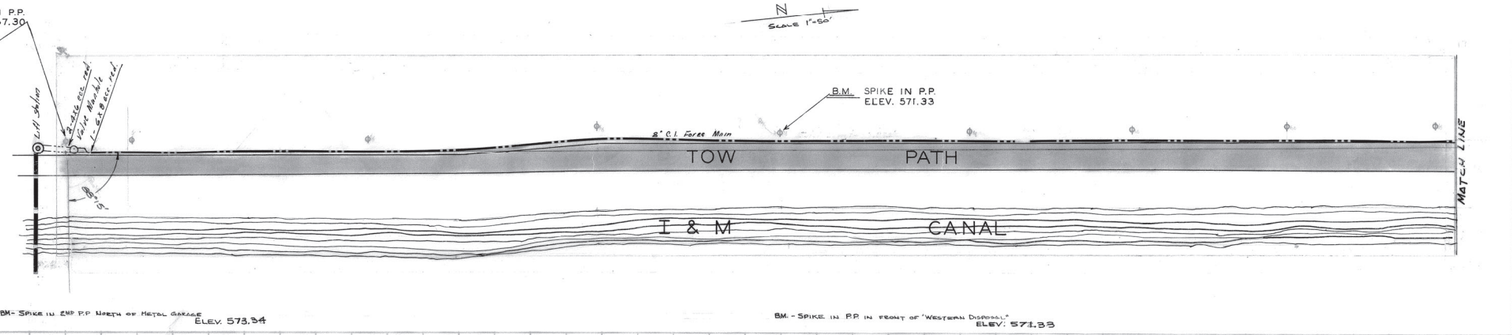
CANAL SEWER AS-BUILTS

11 B

Sewer
12" ϕ C.I. 75' –
12" in Casing 100' –
8" ϕ C.I. 90' –
MH 3
x depth 3.17' –
Drop Pipe 1 –
Rock exc. 68.70 yd³
Pipe bunkers 3 –
Conc. Encasement 11 yd³
8" ϕ Force main –
Dir. change MH –

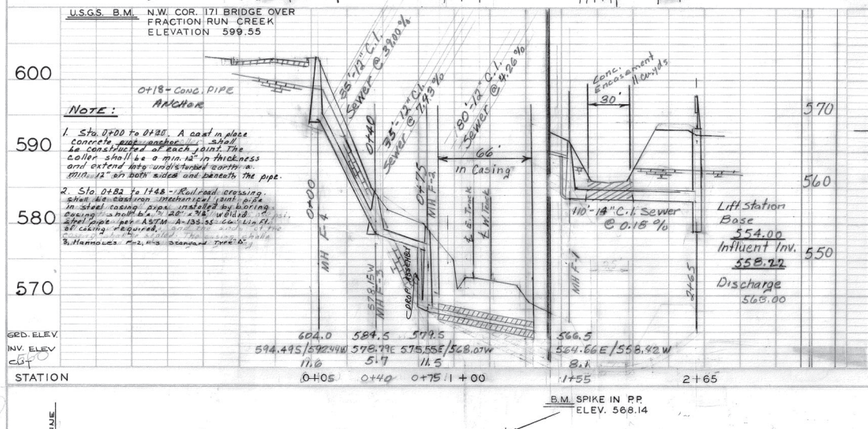
PLAN
DATE
BY
SURVEYED
PLOTTED
DRAWN CHECKED
ENGR. CHECKED
NOTE BOOK
No.
STRUCTURE NOTATIONS CHECKED
FT. OF WAY CHECKED



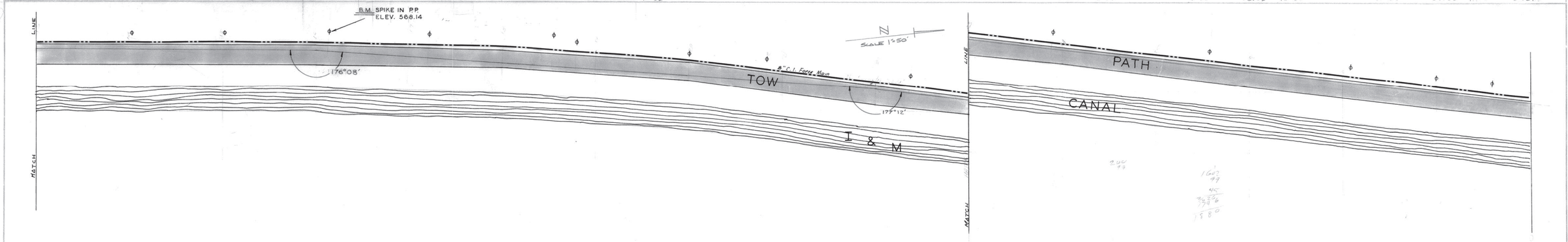


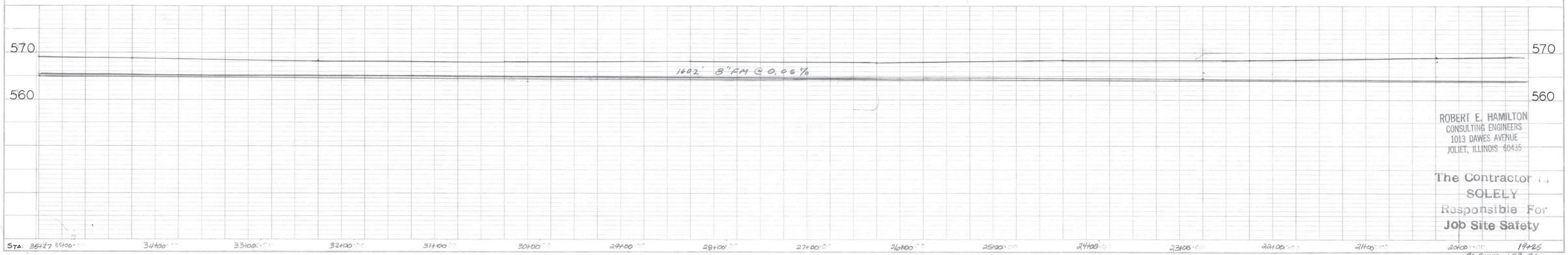
B.M. - SPIKE IN END P.P. NORTH OF METAL GARAGE ELEV. 573.34

B.M. - SPIKE IN P.P. IN FRONT OF "WESTRAN DISPOSAL" ELEV. 571.33



Sewer
8" ϕ Force Main (1602')
Force Main





ROBERT E. HAMILTON
CONSULTING ENGINEERS
1013 DAWES AVENUE
JOLIET, ILLINOIS 60435

The Contractor is SOLELY Responsible For Job Site Safety

As Built 1-23-76

PROFILE
DATE
BY
SURVEYED
PLOTTED
DRAWN CHECKED
ENGR. CHECKED
NOTE BOOK
No.
STRUCTURE NOTATIONS CHECKED

LOCKPORT TOWNSHIP
WS.111.255,PFL.111.112

K&E PLATE 2, FLAT PLAN-PROFILE KEUFFEL & ESSER CO. 48 7032 MADE IN U.S.A.

FAIRMOUNT — SEWER & WATER

SHEET 11B OF 15

TOWPATH

#8040