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LETTER OF TRANSMITTAL

DATE	JOB NO.
July 23, 2024	21006
ATTENTION:	
RE:	
City of Effingham Sanitary Sewer Improvements Effingham County, IL ADDENDUM #1	

TO:
ALL PLAN HOLDERS

WE ARE SENDING:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ATTACHED | <input type="checkbox"/> UNDER SEPARATE COVER VIA _____ : |
| <input type="checkbox"/> SPECIFICATIONS | <input type="checkbox"/> SHOP DRAWINGS <input type="checkbox"/> OTHER: |
| <input type="checkbox"/> PLANS | <input type="checkbox"/> CHANGE ORDERS <input checked="" type="checkbox"/> ADDENDUM #1 |
| <input type="checkbox"/> PRINTS | <input type="checkbox"/> LETTERS |

COPIES	DATE	NO	DESCRIPTION
1	7/23/2024		City of Effingham
			Sanitary Sewer Improvements
			ADDENDUM #1

THESE ARE BEING SENT:

- | | | |
|--|---|---|
| <input type="checkbox"/> FOR YOUR APPROVAL | <input type="checkbox"/> APPROVED AS NOTED | <input type="checkbox"/> RESUBMIT ___ COPIES FOR APPROVAL |
| <input checked="" type="checkbox"/> FOR YOUR USE | <input type="checkbox"/> APPROVED AS SUBMITTED | <input type="checkbox"/> SUBMIT ___ COPIES FOR DISTRIBUTION |
| <input type="checkbox"/> FOR YOUR REVIEW | <input type="checkbox"/> APPROVED AS CHANGED | <input type="checkbox"/> RENEW ___ COPIES FOR _____ |
| <input type="checkbox"/> FOR YOUR COMMENTS | <input type="checkbox"/> REJECTED AS NOTED | <input checked="" type="checkbox"/> FOR BIDS DUE: |
| <input type="checkbox"/> FOR YOUR SIGNATURE | <input type="checkbox"/> REJECTED AS CHANGED | <u>July 30, 2024 at 10:00 a.m.</u> |
| <input type="checkbox"/> AS REQUESTED | <input type="checkbox"/> RETURNED FOR CORRECTIONS | <u>At Effingham City Hall</u> |

NOTES:

COPY TO:

--

SIGNATURE

Lee R. Beckman, P.E., P.L.S.





Milano & Grunloh Engineers, LLC

engineering | surveying

OWNERS
LEE R. BECKMAN, P.E., P.L.S.
DOUGLAS C. GRUNLOH, P.L.S.

LICENSEES
REX A. GOWER, P.E.

ADDENDUM #1
CITY OF EFFINGHAM
SANITARY SEWER IMPROVEMENTS
EFFINGHAM COUNTY, ILLINOIS
JULY 23, 2024

All plan holders of the plans and specifications for " Sanitary Sewer Improvements, Effingham County, Illinois" shall include this Addendum #1 as part of the plans and specifications for the project and shall take into account that this Addendum #1 revises and amends the original plans and specifications.

ITEM #1 – BIDDER QUALIFICATIONS STATEMENT

This does not need to be submitted with the bid. The City will request from the bidder after the bid opening, if required.

ITEM #2 – INTENT TO COMPLY WITH SECTION 3 REQUIREMENTS

This form needs to be submitted with the Contractor's bid. The Section 3 worker hours and Section 3 business subcontracts will be addressed by the successful bidder after the project award.

ITEM #3 – BUILDERS RISK INSURANCE – PAGE 53

See attached Revised Page 53. Builders Risk Insurance is not required.

ITEM #4 – INSPECTION SOFTWARE – TS-11

See Revised Sheet TS-11 regarding Inspection Software.

ITEM #5 – TESTING OF REPAIRED SANITARY SEWER LINES – TS-19

See attached Revised Sheet TS-19 regarding Testing Repaired Sanitary Sewer Lines.

ITEM #6 – MEMBRANE CURING

Membrane Curing can be completed by Air Inversion and Steam Cure, and shall be done according to ASTM F1216-24 Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Inversion and Curing of a Resin-Impregnated Tube.

ITEM #7 – IDOT PERMIT

The City has requested the IDOT Permit for the work on Plan Sheets 8 and 12 (attached).

Prepared By:
MILANO & GRUNLOH ENGINEERS, LLC
July 23, 2024
Job #21006

is not protected under the Workmen's Compensation Statute, the Contractor shall provide and shall cause each subcontractor to provide adequate employer's liability insurance for the protection of such of his employees as are not otherwise protected.

- b. *Contractor's Public Liability and Property Damage Insurance and Vehicle Liability Insurance:* The Contractor shall procure and shall maintain during the life of this Contract Contractor's Public Liability Insurance, Contractor's Property Damage Insurance and Vehicle Liability Insurance in the amounts specified in the Special Conditions.
- c. *Subcontractor's Public Liability and Property Damage Insurance and Vehicle Liability Insurance:* The Contractor shall require each of his subcontractors to procure and to maintain during the life of his subcontract, Subcontractor's Public Liability and Property Damage Insurance and Vehicle Liability Insurance of the type and in the amounts specified in the Special Conditions specified in subparagraph (b) hereof.
- d. *Scope of Insurance and Special Hazards:* The insurance required under subparagraphs (b) and (c) hereof shall provide adequate protection for the Contractor and his subcontractors, respectively, against damage claims which may arise from operations under this Contract, whether such operations be by the insured or by anyone directly or indirectly employed by him and, also against any of the special hazards which may be encountered in the performance of this Contract as enumerated in the Special Conditions.
- e. ~~*Builder's Risk Insurance (Fire and Extended Coverage):* Until the project is completed and accepted by the Local Public Agency, the Contractor is required to maintain Builder's Risk Insurance (fire and extended coverage) on a 100 percent completed value basis on the insurable portion of the project for the benefit of the Local Public Agency, the Contractor, and subcontractors as their interests may appear. The Contractor shall not include any costs for Builder's Risk Insurance (fire and extended coverage) premiums during construction unless the Contractor is required to provide such insurance; however, this provision shall not release the Contractor from his obligation to complete, according to plans and specifications, the project covered by the contract, and the Contractor and his surety shall be obligated to full performance of the Contractor's undertaking. BUILDERS RISK IS NOT REQUIRED~~
- f. *Proof of Carriage of Insurance:* The Contractor shall furnish the Local Public Agency with certificates showing the type, amount, class of operations covered, effective dates and date of expiration of policies. Such certificates shall also contain substantially the following statement: "The insurance covered by this certificate will not be cancelled or materially altered, except after ten (10) days written notice has been received by the Local Public Agency."

130. PATENTS

The Contractor shall hold and save the Local Public Agency, its officers, and employees, harmless from liability of any nature or kind, including costs and expenses, for, or on account of, any patented or unpatented invention, process, article, or appliance

study area. To achieve this, the CCTV camera operator shall stop the camera in each manhole invert, and shall pan and zoom up the manhole to obtain the best possible image of the manhole, including the cone and corbel section(s).

The quality for all work specified in this Section shall meet or exceed the National Association of Sewer Service Companies (NASSCO) Recommended Specifications for Sewer Collection System Rehabilitation (latest edition) requirements. Applicable Section portions which inadvertently fall below those standards shall be corrected and maintained at the NASSCO standards as a minimum requirement, at no additional cost to City.

Document all internal sewer inspections via digital video recordings, television logs, digital photos, and a database compatible with the NASSCO PACP exchange database version 4.2 or newer if applicable. Acceptable media for the video recordings are digital video disc (DVD). DVD-RW+ is the preferred media. If the video is poor quality due to the chosen media, Engineer reserves the right to require re-submittal on a different media. All media shall be previously unrecorded, premium grade. Create separate MPEG files for each sewer line segment. In a reverse setup, store such inspection in a separate MPEG file. MPEG files shall be written to DVD media for delivery to the Engineer. Multiple MPEGs may exist on each DVD. Each DVD shall be labeled, at a minimum, with the following information: owner, engineering firm, project name, creation date, ID number, sewer line sections, and TV inspection contractor's firm name.

Digital video shall be defined as ISO-MPEG Level 1 (MPEG-1) coding with a 352-pixel (x) by 240-pixel (y) (minimum) resolution and a 30 frames per second encoded frame rate. The digital recording shall include audio and video information which accurately reproduces the original video inspection picture and sound. The digital recording's video portion shall be free from electrical interference and shall produce a clear and stable image. The audio portion shall produce a clear and discernible oral report, sufficiently free from background and electrical noise.

Separate digital video recordings shall be made for each sewer section, and shall be properly identified via continuous on-screen display and voice-over recording with:

- CITY OF EFFINGHAM Project number
- Upstream MH ID and downstream MH ID
- Sewer segment being inspected
- Inspection date
- Project name
- Distance along the reach from the entering manhole

Contractor shall coordinate with Engineer prior to commencing work to ensure identification is accomplished in a manner acceptable to CITY OF EFFINGHAM. If the video and/or audio recording is poor quality, the Engineer has the right to require a re-submittal of the affected sewer sections. No payment will be made until an acceptable video and audio recording is made, submitted to, and accepted by Engineer.

Inspection software to be used shall be WinCan or GraniteNET by Cues unless otherwise approved by the Engineer. If software other than WinCan or GraniteNET by Cues is used, the deliverable shall be compatible with the City's software, so they can compile all video recordings, digital photos, and databases.

The CCTV equipment/software shall be able to produce digitized images for all sewer line defects, manhole defects, and sewer line service connections in .jpeg format. Plan

used to impregnate the liner. Finish grout smooth and flush with the interior manhole wall surface and make watertight with non-shrink grout.

9. Testing Repaired Sanitary Sewer Lines

Testing of sanitary sewer lines for watertightness following installation of CIPP shall be televised and ~~dyed-water-flooded~~ as directed by the Owner.

D. Measurement and Payment

1. CIPP

Payment shall be made at the Contract Unit Price as indicated on the Bid Schedule. The price shall be payment in full for providing all materials, labor and equipment to install the lining system, excavation, backfill, surface restoration, temporary surface restoration, testing, final surface and internal television inspection before and after CIPP.

2. Manhole Connections

No contract prices are established for connections at manholes, but shall be considered subsidiary to the cost of the CIPP.

3. Unit price for CIPP shall be eligible for 80 percent payment after repair is made. An additional 20 percent is eligible for payment after testing is complete.

E. Warranties

1. Contractor shall provide to Owner a one-year non-conditional warranty on all work.
2. Warranty period shall begin after final acceptance of work by owner.

POST-REHABILITATION SANITARY SEWER CCTV INSPECTION

A. General

1. Description

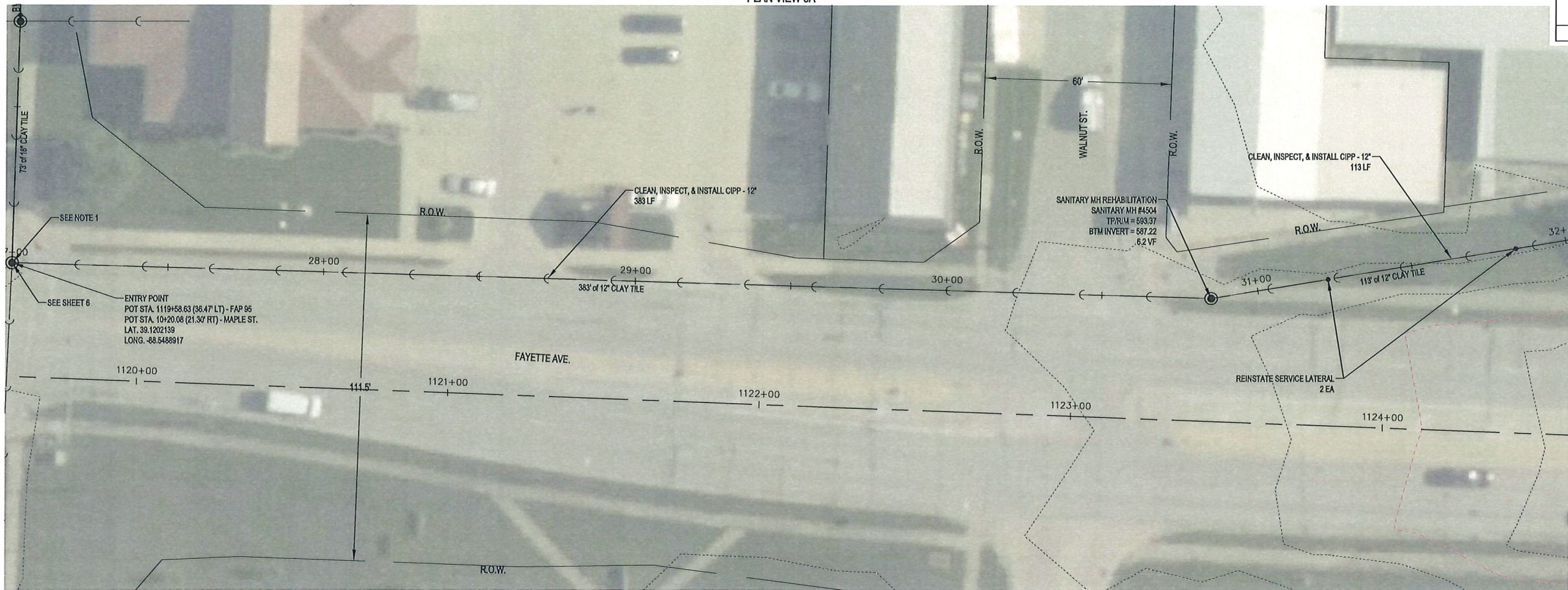
The Contractor shall perform all sewer line closed circuit television (CCTV) inspection work after the CIPP, rehabilitation or pipe replacement for the mainline and any lateral replacement or relining has been performed.

The contractor shall provide DVD inspections weekly during the CIPP installations.

All CCTV inspections after the CIPP lining has been completed shall follow the specifications for found in these Contract Documents.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		EFFINGHAM	12	8
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT.		

PLAN VIEW 8A



SCALES:
1" = 20' HOR
1" = 5' VER

- NOTES:**
- 1) CONTRACTOR IS REQUIRED TO COORDINATE WORK FOR PROPOSED SANITARY M.H. 1 WITH IDOT. PROPOSED SANITARY M.H. 1 NEEDS TO BE COMPLETED BEFORE NEW PAVEMENT IS COMPLETE.
 - 2) CONTRACTOR IS REQUIRED TO TELEVIEW THE SEWER LINES PRE & POST CONSTRUCTION.
 - 3) ITS THE CONTRACTORS RESPONSIBILITY TO CLEAN, INSPECT, & VERIFY PIPE SIZES BEFORE ORDERING MATERIALS.
 - 4) SERVICE LATERALS ARE SHOWN ON A +/- BASIS.
 - 5) CONTRACTOR IS TO REINSTATE ALL ACTIVE SERVICE LATERALS ENCOUNTERED.

NOTE: CONTRACTOR TO FIELD VERIFY BETWEEN BENCHMARK ELEVATIONS

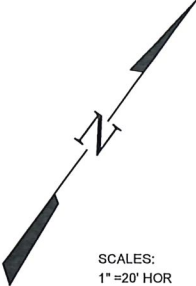
BM #1
???
???

BM #2
???
???

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Design Firm #184-003108

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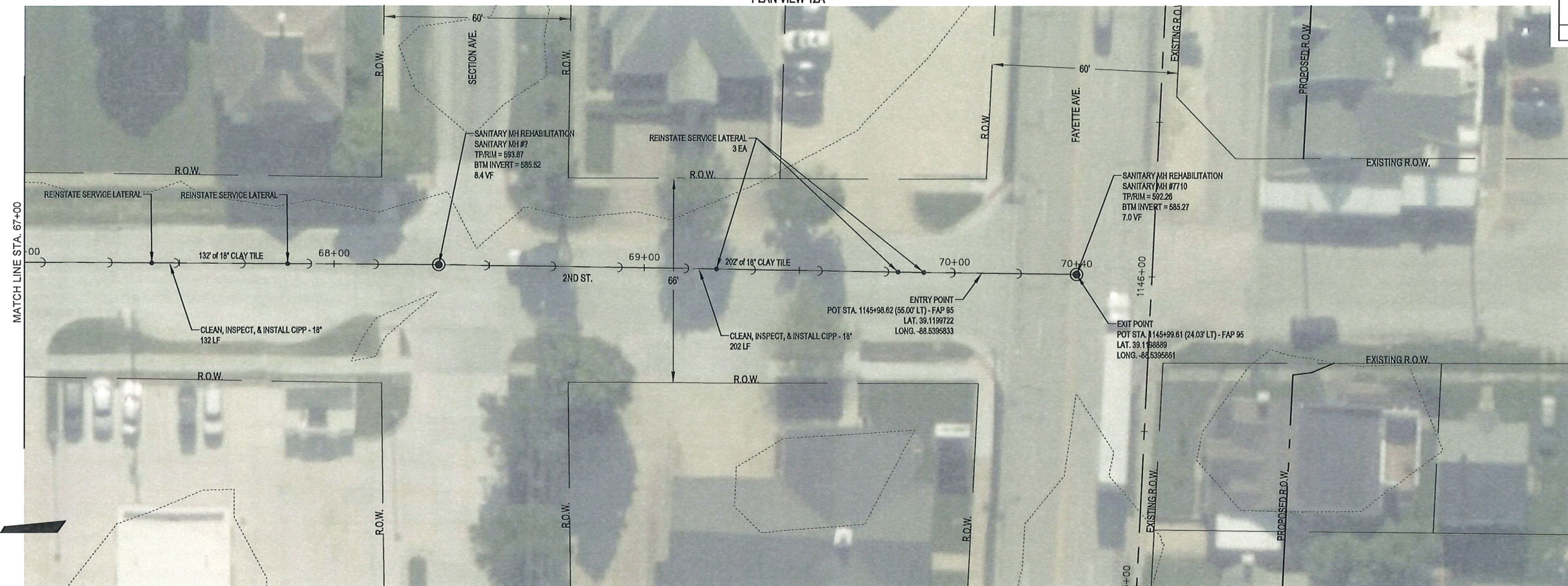
PLAN VIEW 8B



SCALES:
1" = 20' HOR
1" = 5' VER

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		EFFINGHAM	12	12
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT.	

PLAN VIEW 12A



- NOTES:**
- 1) CONTRACTOR IS REQUIRED TO TELEWISE THE SEWER LINES PRE & POST CONSTRUCTION. ITS THE CONTRACTORS RESPONSIBILITY TO CLEAN, INSPECT, & VERIFY PIPE SIZES BEFORE ORDERING MATERIALS.
 - 2) SERVICE LATERALS ARE SHOWN ON A +/- BASIS.
 - 3) CONTRACTOR IS TO REINSTATE ALL ACTIVE SERVICE LATERALS ENCOUNTERED.

NOTE: CONTRACTOR TO FIELD VERIFY BETWEEN BENCHMARK ELEVATIONS

BM #7 - ELEV. = 597.29
 NORTH RIM SANITARY MANHOLE, 18' NORTH OF CENTERLINE SECTION AVE. & 17' EAST OF WILLOW AVE.

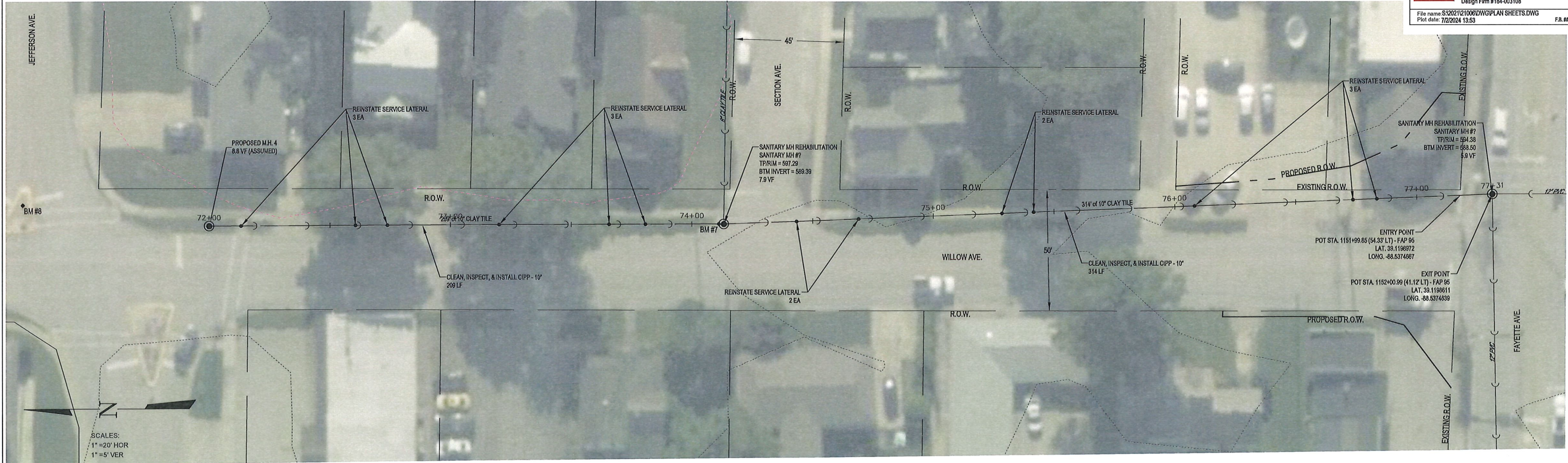
BM #8 - ELEV. = 598.53
 NORTH RIM STORM MANHOLE IN NORTHEAST MEDIAN OF JEFFERSON ST. & WILLOW AVE.

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SCALES:
 1" = 20' HOR
 1" = 5' VER

PLAN VIEW 12B



SCALES:
 1" = 20' HOR
 1" = 5' VER