

BALTIMORE COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF CONSTRUCTION CONTRACTS ADMINISTRATION
111 WEST CHESAPEAKE AVENUE
TOWSON, MARYLAND 21204



Contract No. 23186 WX0
Workday No. PROJ-10000520
Back River Neck Road 16" and 24" Water Main Replacement Phase 3
(Back River Neck Road from Homberg Avenue to North Hyde Park Road)
Essex – District 15c7
Job Order No's. 231-203-0067-0783

ADDENDUM NO. 3

DATE: 3/13/2026

Contact: Barb Wentworth, 410-887-3531, bwentworth@baltimorecountymd.gov

To All Bidders

This addendum is hereby made a part of the Proposal and the Special Provisions, and is hereby incorporated into the Contract. Should this addendum conflict with any portion of the Special Provisions, the Proposal, or any prior addenda, this addendum shall supersede and control.

Please note the attached changes, corrections, and/or information in connection with the contract and submit bids and be otherwise governed accordingly.

In the Proposal Form

Revised and attached to be inserted:

- Page 1, Cover, Bidders Information **revised** the Pre-Bid Meeting date, time, Access Code, Password and last day for questions. Also **revised** are the Baltimore County Prevailing Wage and Local Hiring and MBE/WBE requirements page numbers.
- Page 2, Table of Contents **revised** page numbers for Special Provisions **to** 7-238G **from** 7-238.
- Page 6, Information for Bidders **revised** Prevailing index price of asphalt cement/ton to \$600.00 **from** \$640.00.

In the Specifications

Revised and attached to be inserted:

- Page 11, Special Provisions – Table of Contents, **adding** Appendix F – Temporary Bypass Sketches.
- Page 12, Special Provisions – General Special Conditions **revised** bulleted quantities.
- Page 18, Special Provisions - General Special Conditions **revised** Temporary trench paving detail reference from contract drawing to standard detail.
- Page 19, Special Provisions - General Special Conditions **revised** Permanent trench paving detail reference from contract drawing to standard detail.
- Page 29, Special Provisions – Section 351 – Water Main Construction – **added** paragraph for Temporary Fire Hydrant removal.
- Page 56, Special Provisions – Temporary Water Bypass - Section 373.01 Materials **revised to** 373.01 Description (a).

Continued In the Specifications

Revised and attached to be inserted:

- Page 56, Special Provisions – 373 - Temporary Water Bypass - Section 373.01 Construction **revised to** 373.02 Materials (a) and (d).
- Page 56, Special Provisions – 373 - Temporary Water Bypass - Section 373.01 Construction **revised to** 373.03 Construction (a), (b), (c) and (d).
- Page 57, Special Provisions – 373 - Temporary Water Bypass - Section 373.01 Construction **revised to** 373.03 Construction (e) and (f).
- Page 58, Special Provisions – 373 - Temporary Water Bypass - Section 373.01 Construction **revised to** 373.03 Construction (f).
- Page 59, Special Provisions – 373 - Temporary Water Bypass - Section 373.03 Measurement and Payment **revised to** 373.04 Measurement and Payment (a) and (b).
- Page 60, Special Provisions – 373 - Temporary Water Bypass - Section 373.04 Details **revised and replaced to** 373.05 Details – Water House Connection Detail.
- Page 61, Special Provisions – 373 - Temporary Water Bypass - **replaced** inside meter setting bypass detail with Temporary Bypass Crossing Detail.
- Page 62, Special Provisions – 373 - Temporary Water Bypass - **replaced** Temporary Bypass Schedule with Detail for large Temporary Bypass Connection.
- **Add New Pages** 238 A through 238 G – Special Provisions Appendix F – Temporary Bypass Sketches.

In the Proposal

Revised and attached to be inserted:

- Page 250, Section IV – Proposal, Description of Work **revised** Bid Opening **to** Bid Opening via Teleconference WebEx Tuesday, April 14, 2026 at 10:30 a.m. EST via WebEx Phone Number 1-415-655-0001, Access Code Number 2313 323 2169## **from** Postponed Indefinitely.
- Page 250, Section V-Description of Work, **revised** the Pre-Bid Meeting date, time, Access Code and Password **to** Wednesday, April 1, 2026 at 10:00 a.m. EST via WebEx. *Phone-In (Audio Only)* – 1-415-655-0001, Meeting Number 2301 408 7977## *Video Conference* – Meeting Number 2301 408 7977, Password **ZVw7PwnKC43**, go to <https://signin.webex.com/join>, or for the WebEx link go to www.baltimorecountymd.gov/departments/public-works/engineering/contracts/current-solicitations
- **Note last day for questions** will be Friday, April 10, 2026 at 4:00 p.m. Any questions should be emailed to Pawan Poudel ppoudel@baltimorecountymd.gov and copy Erin McKenna-Streyle emckenna-streyle@baltimorecountymd.gov and Barb Wentworth bwentworth@baltimorecountymd.gov.
- Page 251, Description of Items & Schedule of Prices – **deleting** Item 11, 4 Inch Ductile Iron Pipe and Fittings.
- Page 252, Description of Items & Schedule of Prices – Item 12, 6 Inch Ductile Iron Pipe and Fittings –Class 54, **revising** the Estimated Quantity **to** 496 Linear Feet (LF) **from** 352 Linear Feet (LF).
- Page 252, Description of Items & Schedule of Prices – Item 17, 6" Fire Hydrant / Furnish and Install **revising** the Estimated Quantity **to** 11 Each (EA) **from** 8 Each (EA).
- Page 252, Description of Items & Schedule of Prices – **deleting** Item 18, 4 Inch Valve and Vault –Vertical.
- Page 252, Description of Items & Schedule of Prices – Item 19, 6 Inch Valve and Vault – Vertical **revising** the Estimated Quantity **to** 12 Each (EA) **from** 11 Each (EA).
- Page 252, Description of Items & Schedule of Prices – Item 24, 3/4 Inch Water Service Tap and Corporation **revising** the Estimated Quantity **to** 38 Each (EA) **from** 37 Each (EA).
- Page 253, Description of Items & Schedule of Prices – **deleting** Item 32, Temporary By-Pass Lines.
- Page 253, Description of Items & Schedule of Prices – Item 36, Hot Mix Asphalt Stage 1 for Temporary Trench Repair at 3" Depth **revising** the Estimated Quantity **to** 930 Ton (TON) **from** 850 Ton (TON).
- Page 254, Description of Items & Schedule of Prices - **ADD** New Item 55 – Removal of 6" Fire Hydrant and cap at tee, Unit of Measure is Each (EA) and Estimated Quantity is 3.
- Page 254, Description of Items & Schedule of Prices - **ADD** New Item 56 – 8 Inch x 6 Inch Tapping Sleeve, Valve and Vault, Unit of Measure is Each (EA) and Estimated Quantity is 3.
- Page 254, Description of Items & Schedule of Prices - **ADD** New Item 57 – 24 Inch x 6 Inch Tapping Sleeve, Valve and Vault (PCCP), Unit of Measure is Each (EA) and Estimated Quantity is 3.

Continued In the Proposal

Revised and attached to be inserted:

- Page 254, Description of Items & Schedule of Prices - **ADD** New Item 58 – 2 Inch Temporary By-Pass Lines, Unit of Measure is Leaner Feet (LF) and Estimated Quantity is 1,045.
- Page 254, Description of Items & Schedule of Prices - **ADD** New Item 59 – 4 Inch Temporary By-Pass Lines, Unit of Measure is Leaner Feet (LF) and Estimated Quantity is 450.
- Page 254, Description of Items & Schedule of Prices - **ADD** New Item 60 – 6 Inch Temporary By-Pass Lines, Unit of Measure is Leaner Feet (LF) and Estimated Quantity is 280.
- Page 254, Description of Items & Schedule of Prices - **ADD** New Item 61 – 8 Inch Temporary By-Pass Lines, Unit of Measure is Leaner Feet (LF) and Estimated Quantity is 3650.
- Pages 268-269, **ADD Current** Baltimore County Prevailing Wage Rates Highway Construction.

In the Drawings

Revised and attached to be inserted:

- **Drawing #2023-2705:** Bill of Material, Horizontal/Vertical Control, Additional Notes:
 - Revised Bill of Materials to reflect revisions on Drawings 2023-2706, 2023-2707, 2023-2709, 2023-2710 and 2023-2711.
- **Drawing #2023-2706:** Prop. 24" Water Main Plan (Sta. 0+00 to Sta. 3+00):
 - Removed inverts where cover is assumed.
 - Added fire hydrants on Back River Neck Road and Hopewell Avenue and the revised Bill of Materials accordingly.
 - Water stakeout table pipe size revised.
- **Drawing #2023-2707:** Prop. 24" Water Main Plan (Sta. 3+00 to Sta. 9+50):
 - Removed inverts where cover is assumed.
 - Added temporary fire hydrant on Back River Neck Road and revised the Bill of Materials accordingly.
 - Changed WHC at Sta. 6+76 to 6" and revised the Bill of Materials, Water Stakeout Table, notes and callout accordingly.
 - Added sewer size, material and drawing number on Hopewell Avenue West.
- **Drawing #2023-2708:** Prop. 24" Water Main Plan (Sta. 9+50 to Sta. 16+00):
 - Removed inverts where cover is assumed.
- **Drawing #2023-2709:** Prop. 24" Water Main Plan (Sta. 16+00 to 22+50):
 - Removed inverts where cover is assumed.
 - Added a fire hydrant on Williams Avenue and a temporary fire hydrant on Back River Neck Road, revised the Bill of Materials, Water Stakeout Table, notes accordingly.
 - Added 12" double cap on plan, callout and Bill of material.
- **Drawing #2023-2710:** Prop. 24" Water Main Plan (Sta. 22+50 to Sta. 30+00):
 - Removed inverts where cover is assumed.
 - Added a temporary fire hydrant on Tripgate Road, and revised the Bill of Materials, accordingly.
 - Added double cap on plan and callout.
- **Drawing #2023-2711:** Prop. 24" Water Main Plan (Sta. 30+00 to 37+00):
 - Removed inverts where cover is assumed.
- **Drawing #2023-2712:** Prop. 24" Water Main Plan (Sta. 37+00 to Sta. 45+00):
 - Removed inverts where cover is assumed.
 - Revised the Bill of Materials for 12" DIP.
- **Drawing #2023-2713:** Prop. 24" Water Main Plan (Sta. 45+00 to Sta. 52+19):
 - Removed inverts where cover is assumed.
- **Drawing #2023-2714:** Prop. Water Main Branch Connections and Fire Hydrant Profiles:
 - Removed inverts where cover is assumed.
 - Changed WHC at Sta. 6+76 to 6".
 - Changed ex. Sewer size to 18" for F.H. profile at Sta. 3+29.

Continued In the Drawings

Revised and attached to be inserted:

- **Drawing #2023-2715:** Prop. Water Main Branch Connections and Fire Hydrant Profiles:
 - Removed inverts where cover is assumed.
- **Drawing #2023-2716:** Prop. Water Main Branch Connections and Fire Hydrant Profiles:
 - Removed inverts where cover is assumed.
- **Drawing #2023-2717:** Prop. Water Main Branch Connections and Fire Hydrant Profiles:
 - Removed inverts where cover is assumed.
 - Added fire hydrant profiles.
- **Drawing #2023-2718:** Water House Connections Chart and Miscellaneous Tables:
 - Revised Bill of Materials to reflect revisions on Drawing 2023-2711 and 2023-2713.
- **Drawing #2023-2720:** Suggested Sequence of Construction:
 - Revised suggested sequence of construction. Replaced sheet 17 of 44 with sheet 17A of 44.
- **Drawing #2023-2721:** Valve Shutdown Map:
 - Revised temporary bypass layout, legend and added note.

Attachments – 44

Please sign below acknowledging receipt of this addendum and return with your bid.

Company Name

Signature

PROPOSAL FORM

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION TOWSON, MARYLAND

Division of Construction Contracts Administration



Contract Number 23186 WX0
WATER DESIGN PROJECT

Back River Neck Road 16" and 24" Water Main Replacement - Phase 3
(Back River Neck Road from Homberg Avenue to North Hyde Park Road)
Essex – District 15c7

Workday Number PROJ-1000520
Job Order Number 231-203-0067-0783

**CONTRACT BASED ON SEPTEMBER 2023
STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS
AND STANDARD DETAILS FOR CONSTRUCTION**

Bidders Information

A pre-bid meeting will be held on Wednesday, April 1, 2026 at 10:00 a.m. EST via WebEx.
Phone-In (Audio Only) 1-415-655-0001, Meeting Number 2301 408 7977##.

Video Conference go to <https://signin.webex.com/join> Meeting Number 2301 408 7977,

Password **ZVw7PwnKC43**, for Webex link go to:

www.baltimorecountymd.gov/departments/public-works/engineering/contracts/current-solicitations

Last day for questions will be Friday, April 10, 2026 at 4:00 p.m. EST. Questions should be emailed to Pawan Poudel at ppoudel@baltimorecountymd.gov and copy Erin McKenna-Streyle emckenna-streyle@baltimorecountymd.gov and Barbara Wentworth at bwentworth@baltimorecountymd.gov.

Baltimore County Prevailing Wage and Local Hiring Affidavit, Wage Rates & Requirements **see pages 262-269**

(Contract Disclosure): “Wage rates that are in effect as of the contract solicitation date will be the wage rates through the duration of the project”

MBE/WBE Requirements & Forms **see pages 270-284**

THIS PROPOSAL FORM INCLUDES AND INCORPORATES ALL DOCUMENTS AND INFORMATION REFLECTED, LISTED, AND/OR REFERENCED IN THIS TABLE OF CONTENTS, AND ALL SUCH DOCUMENTS AND INFORMATION ARE PART OF AND INCORPORATED INTO THE CONTRACT DOCUMENTS.

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road for the purpose of obtaining sub-surface soils information, and permission must be obtained from the State Highways Administration prior to making any openings in a State road.

Under no circumstances shall a bidder enter upon any property outside a County or State road for the purpose of securing sub-surface soils information until permission is received from the property owner. The fact that the County has obtained a utility easement does not give the bidder the right to enter upon the property.

Prevailing index price of asphalt cement/ton \$600.00.

INCLEMENT WEATHER POLICY: If Baltimore County General Government Offices are open or open with liberal leave the day the bids are due, the bids are due as stated in the bid documents (date and time). **ONLY** when the Baltimore County General Government Offices are **OFFICIALLY CLOSED** the day the bids are due, the bid date will be postponed and an Addendum will be issued the next business (or next day buildings are officially open) day the county offices are open with the new bid date and time.

BID TABULATIONS: All bid tabulations will be confidential until after final award, at which time the total bid amounts for all bidders, as well as the complete bid tabulations for the top three (3) bidders, can be inspected by others when requested in writing pursuant to the Maryland Public Information Act.

ALTERNATIVE SOURCES OF CONTRACT BONDS: In the event your company is unable to qualify for bonding through a traditional commercial surety company, you may qualify for the required bonds through the State of Maryland, Department of Commerce (DOC). The **Maryland Small Business Development Financing Authority (MSBDFA, pronounced Mis-Bid-Fa)**, an agency of DOC, operates a Surety Bond Program designed to assist small businesses, based in Maryland, that are unable to obtain adequate bonding on reasonable terms in the commercial marketplace. MSBDFA provides bid, payment and performance bonds for contracts funded by government agencies, regulated utilities and private entities. The penal sums of the bonds are limited to the aggregate amount of \$2,500,000 and companies may pre-qualify for multiple bonds within pre-approved terms and conditions. MSBDFA also provides lines of credit, term loans and loan guarantees to help qualified businesses purchase equipment and real property, make improvements to leased property, refinance existing debt and assist them with their working capital needs. For more information on how to apply, you may contact: Meridian Management Group, Inc. (MMG), (the Program's Manager), 826 E. Baltimore Street, Baltimore, Maryland 21202, Telephone: (410) 333-4270. Or visit their website at www.mmcapitalgroup.com for information, applications and a checklist of required documents and reports that must accompany the application.

**Contract No. 23186 WX0
Addendum No. 3
Revised, March 13, 2026**

Standard Specifications for Construction SPECIAL PROVISIONS

General Special Conditions.....N/A
Selected BackfillSection 302
Erosion and Sediment Control.....Section 308
Water Mains.....Section 351
Water House Service, Water Meter Setting, and Vaults.....Section 353
Corrosion ControlSection 372
Temporary Water BypassSection 373
Thermoplastic Pavement MarkingsSection 554
MiscellaneousSection 921

APPENDIX A – GEOTECHNICAL EVALUATION REPORT

APPENDIX B – TEST HOLE REPORTS

APPENDIX C – VALVE SHUTDOWN REQUEST FORM

APPENDIX D – BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL
PROTECTION & SUSTAINABILITY STORMWATER MANAGEMENT
VARIANCE

APPENDIX E – PERMITS

APPENDIX F – TEMPORARY BYPASS SKETCHES

GENERAL SPECIAL CONDITIONS

1. Location and Description of the Water Main Work

The work to be completed under this Contract includes all labor, materials, and equipment necessary to furnish and install various diameter ductile iron water mains along Back River Neck Road from Homberg Avenue to Hyde Park Road, including valves, valve vaults, fire hydrants, fittings, service connection renewals, pressure testing, disinfection, connection to existing water mains, and appurtenances at the locations shown on the Contract Drawings. As part of the work, all existing service connections that are currently served from the existing water main in Back River Neck Road (and side streets) shall be replaced from the new replacement water main to the existing meter boxes. The Engineer on the job site will determine whether to use the existing meter vault or replace it, depending on its condition. After the installation of the water main connections and services, the existing water mains in Back River Neck Road will be abandoned in place.

The site is located in the eastern part of Baltimore County along Back River Neck Road in the Essex area. The project includes, but is not limited to, the construction of the following water mains and appurtenances:

- 2,913 linear feet of 24-inch water main
- 2,325 linear feet of 16-inch water main
- 169 linear feet of 12-inch water main
- 480 linear feet of 8-inch water main
- 496 linear feet of 6-inch water main
- Eleven (11) 6-inch fire hydrants
- 6-inch thru 24-inch gate valves and vaults
- Fifty (50) 3/4-inch through 2-inch water service reconnections
- 1,020 linear feet of 3/4-inch copper water service pipe
- 125 linear feet of 1-inch copper water service pipe
- 81 linear feet of 1-1/2-inch copper water service pipe
- 149 linear feet of 2-inch copper water service pipe

All ductile iron water main pipe on this project will have bonded coatings and full cathodic protection. Cathodic protection shall be installed as shown on the plans. The cost for all coatings and cathodic protection shall be included in the prices bid for the proposed ductile iron water main pipe items.

All ductile iron water main pipe shall be special thickness class 54 in accordance with the latest ANSI/AWWA C151/A21.51. Ductile iron fittings shall meet the latest ANSI/AWWA C110/A21.10 and ANSI/AWWA C153/A21.53. Interior surfaces of all ductile iron pipe and fittings shall be cleaned and cement-mortar-lined at the pipe casting

Plans included with the Contract Drawings and the Maryland Manual on Uniform Traffic Control Devices (MD MUTCD) 2011 Edition and all supplements and revisions.

11. Trench and Paving Restoration

Refer to Standard Details G-6 and G-7. A copy of the Complete Authorized Utility Permit must always be on the job site during the performance of all work.

The Contractor shall carry out the following requirements while carrying out the Trench and Paving Restoration:

- Graded Aggregate Base (GAB) shall meet the Baltimore County Standard Specification for Construction and Materials Section 901 "Aggregate".
- Geotextile filter fabric shall be placed between the sub-base material and the GAB. Geotextile filter fabric shall be Class SE as specified in Section 921 "Geotextiles".
- Cold patch will not be allowed on this project, unless authorized by the Engineer.
- Place and compact temporary patching for maintenance of traffic on a daily basis except when otherwise directed to use methods judged reasonable by the Engineer. Give minimal regard to seasonal constraints, recognizing the nature of a temporary patch and its relation to the early restoration of traffic. All temporary repairs shall be maintained at the Contractor's expense until permanent pavement restoration is completed and accepted by the Engineer.
- All costs associated with handling, stockpiling, transporting, placing, and compacting all backfill materials (both GAB and native material around anodes) shall be considered incidental to all appropriate utility bid items in this Contract and no separate payment will be made.
- All costs associated with the furnishing and installation of Aggregate used for maintenance of traffic shall be considered incidental to all appropriate utility bid items in this Contract and no separate payment will be made.
- The Contractor shall obtain written approval from the Engineer prior to beginning any permanent patching.
- If pavement is wet, the Contractor shall work at his/her own discretion on Baltimore County roadways.
- The excavation and the refill required to locate a connection to an existing utility shall be paid for under the Contract Bid price/s for the contingent Test Pit Excavation item/s.
- For temporary trench repair the Contractor shall install Hot Mix Asphalt Superpave 19.0 mm – PG64S-22, Level 2 Low ESALs. Depth of temporary repair shall be as shown on Standard Details G-6, G-7 and W-29.

- For permanent trench repairs the Contractor shall mill 2” and overlay with 2” of Hot Mix Asphalt Superpave 12.5 mm – PG64S-22, Level 2 Low ESALs as shown on Standard Details G-7 and W-29.
- Asphalt pavement for Temporary Trench Repairs and Permanent Repairs with the Mill and Overlay will be measured and paid for at the Contract unit price per ton. The payment will be full compensation for saw cutting, milling, grinding, removal, disposal, trimming of the existing pavement, subgrade preparation, placing all materials including tack coat, steel plates, emergency filler, and for all material, labor, equipment, tools, and incidentals necessary to complete the work.
- No separate payment will be made for the removal of existing pavement markings and placement of temporary pavement markings associated with the water work. All costs associated with this work shall be considered incidental to the bid item for Maintenance of Traffic. Permanent pavement markings are to be paid as separate bid items.
- Steel plates are considered incidental to any Contract Construction and/or Work and shall not be measured for payment. No payment shall be made to the Contractor for the use or installation of any steel plates and their support system or for any temporary or permanent trench or paving repair/s required by the County that is related to the use of steel plates.
- The County will not pay for saw cutting and removal of existing pavement, subgrade, and/or concrete base material beyond the limits shown on the Contract Documents, as applicable. In addition, there will be no additional payment for GAB material and asphalt pavement due to an increase in the limits of restoration caused by improper use of the Contractor’s equipment and/or methods. However, subject to approval by the Engineer, the County will pay for these materials under Contingent Items (as applicable) only when there is no fault and/or or neglect by the Contractor.
- In cases where water service connections cannot be placed by trenchless methods and where any excavation that crosses more than one lane of traffic, the Contractor shall mill and over lay 20 feet on both sides of the trench. In cases where two or more road crossings are within 50 feet or less apart in the existing paved area, the Contractor shall mill and overlay the existing paved surface in a homogeneous area to encompass all such crossings.

12. Contingent Bid Items

Bid items that are identified as “Contingent Bid Items” are established for the sole purpose of obtaining unit costs on pay items that may be incorporated into the project. The Engineer shall have sole discretion in determining whether and to what extent such items will be incorporated into the project. The Engineer may order incorporation of such items at any location within the Contract and at any time during the work. Neither the Contractor nor his/her subcontractor shall make claims for additional compensation because of any increase/decrease in quantities, or the complete elimination of such items.

CATEGORY 300
DRAINAGE & UTILITY CONSTRUCTION

SECTION 351 – WATER MAIN CONSTRUCTION

ADD the following to section **351.04 MEASUREMENT AND PAYMENT**:

Concrete encasement of existing sanitary sewers (as shown on the Drawings) shall be paid for under the Item listed for contingent **Mix No. 1 Concrete for Miscellaneous Structures**. Price shall include excavation, backfill and compaction, dewatering, shoring/support of the existing sanitary sewer, formwork, concrete, finishing, restoration and all work necessary for the encasement of the existing sanitary sewer/s.

Furnishing and installation of Graded Aggregate Base (GAB) shall not be measured separately but will be considered incidental to the appropriate utility bid items in this Contract.

Restoration of the surface shall be paid under the items bid for seed and mulch, bituminous concrete for temporary trench repair, hot mix asphalt surface SF, concrete sidewalk, etc. as applicable.

Furnishing and installation of all corrosion components and full cathodic protection (as specified in Section 372) for new ductile iron pipe and fittings shall not be measured separately but will be considered incidental to the appropriate ductile iron pipe bid items in this Contract.

Contingent items have been set for additional 16” and 24” diameter restrained ductile iron mechanical joint 45 degree pipe fittings for cases where the Engineer directs the Contractor to install additional pipe fittings as required to avoid existing utilities or other conflicts. These items shall be measured and paid for on a case-by-case basis as approved by the Engineer.

Where shown on drawings, fire hydrants installed for temporary use shall be removed. The Contractor shall remove the entire hydrant, lead pipe, valve, existing stone drainage well, filter fabric, brick support, buttress, and concrete shock slab or sidewalk section, as applicable. Lead pipes shall be removed to the tee and the tee shall be capped. Salvage and deliver removed fire hydrants and valves to the Owner. Pipe, fittings, and other appurtenances that are removed, but not required to be salvaged, become property of Contractor. Fire hydrant removal shall be paid at the contract unit price per each.

CATEGORY 300
DRAINAGE & UTILITY CONSTRUCTION

INSERT: The following:

SECTION 373 - TEMPORARY WATER BYPASS

373.01 Description

(a) This work consists of the supply of a pressurized, temporary water service. Work includes but is not limited to the following:

1. 2" – 8" temporary bypass piping
2. Temporary service lines and fittings
3. Temporary hydrant connections and disconnections

373.02 Materials

(a) Temporary Water Bypass Pipe, Hose, Fittings and Valves:

1. Withstand working pressures up to 125 psi.
2. Follow NSF Standard 14 or 61 for potable water.
3. Not impart objectionable color, taste, or odor to water being supplied.
4. Temporary fire hydrant:
 - a. Consist of 4 inch by 4 inch tee or 4 inch 90° bend, with ball valve or equal, connected to end of the tee or bend and operating nut to control the valve.
 - b. Equipped with 4-1/2 inch diameter National Standard threaded nozzle with hydrant cap installed.

373.03 Construction

(a) Provide telephone numbers to Engineer for designated after hours emergency work crew before installation of bypass system.

(b) Remove no more than 5,000 feet of existing main from service at one time unless Engineer approves otherwise.

(c) Before water main to be replaced or cleaned and line is shut down, ensure the materials necessary to perform the work approved for use, and all necessary materials to perform the work are on site or are scheduled for delivery in accordance with the approved project schedule. Provide temporary bypass piping system of adequate size to provide water service and fire protection to affected properties as required herein and as directed by the Engineer:

1. Notify Engineer:
 - a. At least 24 hours in advance for installation of temporary connections.
 - b. When additional bypass services are made.
 - c. When problems develop with any meters or services.

(d) Use fire hydrants as indicated on bypass plans for connection to temporary bypass

Contract No. 23186 WX0
Addendum No. 3

- system. See Appendix F.
1. Provide backflow preventers on temporary bypass piping at connection to source.
 2. Make temporary bypass service attachments to fire hydrants in a manner that will allow removal with minimum effort in case of emergency.
 3. Provide temporary fire hydrants;
 - a. Provide markers that are clearly visible from street.
 - b. Brace hydrants.
 - c. Temporary fire hydrants shall replace all existing fire hydrants deactivated for the new water main work including fire hydrants used as feed sources for temporary bypass service.
- (e) Provide temporary service connection for existing water services less than 2 inch diameter affected by required water main shutdowns. See detail in Section 373.05.
1. When temporary service connection is no longer required:
 - 1) Reconnect water service and provide new meter assembly.
 - 2) Reset existing meter in new assembly.
 - 3) Meters improperly installed will be removed and correctly installed by the the County, and the County will charge the expense to the Contractor and will retain same out of any monies due or to become due to him under the contract.
- (f) Placement and protection of temporary bypass piping system.
1. Temporary bypass lines shall be constructed as indicated on the drawings. See Appendix F. However, additional temporary lines or connections may be required dependent on field conditions.
 2. Do not install between November 15 and March 1.
 3. Remove by November 15.
 4. Do not place during freezing weather and if already installed, protect from freezing.
 5. Provide cap and sampling connection at downstream end of each separate bypass piping segment.
 - a. Do not loop downstream end of segment back to or near inlet of segment.
 6. Cover sections of temporary bypass lines that cross driveways or sidewalks and

ramp with bituminous cold mix. See detail in Section 373.05.

7. Protect concrete and brick driveways to prevent discoloration from bituminous material.
 8. Place bypass lines at road crossings below the existing road surface. See detail in Section 373.05.
 9. Place sections of bypass or services that cross sidewalks with barricades, ramps, and fluorescent paint.
 10. Place crossings of bypass lines parallel and/or perpendicular to handicap ramps, below existing grade.
 11. Install and support temporary bypass piping at storm drain inlet crossing so that piping and supports do not impede storm water from entering storm drain inlet.
- (g) House to house connections are prohibited.
- (h) Temporary bypass piping for existing service connections 3 inch and larger diameter and temporary fire protection: Minimum 4 inch diameter.
- (i) Disinfect temporary bypass piping, including temporary house services, utilizing distribution system residual.
1. The County will take bacteriological samples within 3 working days after receipt of written notification from Contractor that disinfection is complete.
 2. Results of sample analysis will be available within 3 working days after sampling.
 3. If samples are not approved, chlorinate and notify the Engineer to take new samples for testing.
 4. Cost of the additional disinfection, samples and testing: Contractor's expense.
 5. After samples are approved by the County, place bypass piping in service.
- (j) Maintenance or repair of temporary bypass piping system.
1. Respond to the County's notification within 30 minutes and arrive at work site within 2 hours of notification.
 2. Provide adequate equipment, materials, and labor to take remedial actions within 1 hour of arrival at site in order to restore temporary bypass system in a timely manner at no cost to the County.
 3. Notify the Engineer immediately after arriving at the work site and after work has been completed.
 4. Failure to respond back to the County within 30 minutes, failure to arrive at work site within 2 hours or failure to take remedial action within 1 hour of arrival on site will result in the County taking action to restore service and cost incurred by the County to restore service and will be assessed to Contractor and deducted from payments.

373.04 Measurement and Payment

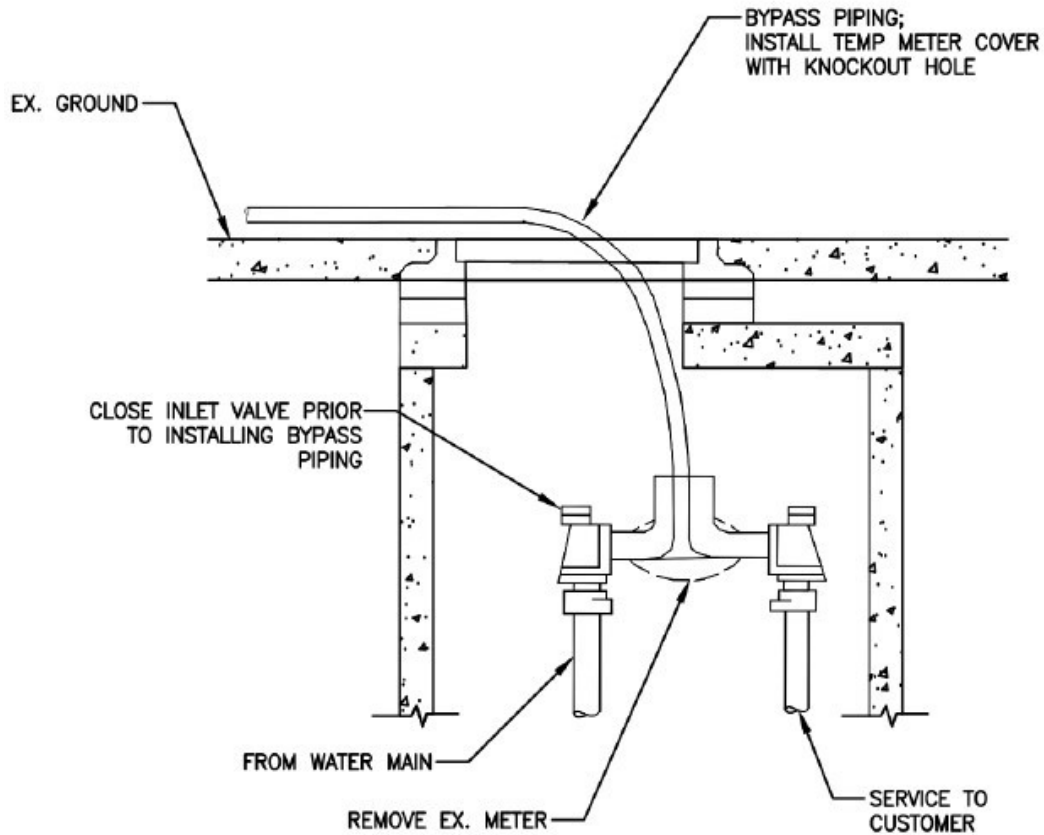
- (a) Measurement: By linear foot of mainline to be bypassed. Measured horizontally along the mainline from point of bypass connection at mainline to opposite end of bypass at mainline.

- (b) Payment: At unit price for each linear foot listed in Bid Schedule.
 - 1. Payment includes provision and installation of bypass piping, hoses, corporation stops, valves, fire hydrants, fittings and appurtenances, disinfecting and maintaining bypass line (including all repairs), connection and disconnection to mainline, excavation, backfill and compaction, graded aggregate base (GAB), concrete, restoration and all work necessary to restore driveway entrances.

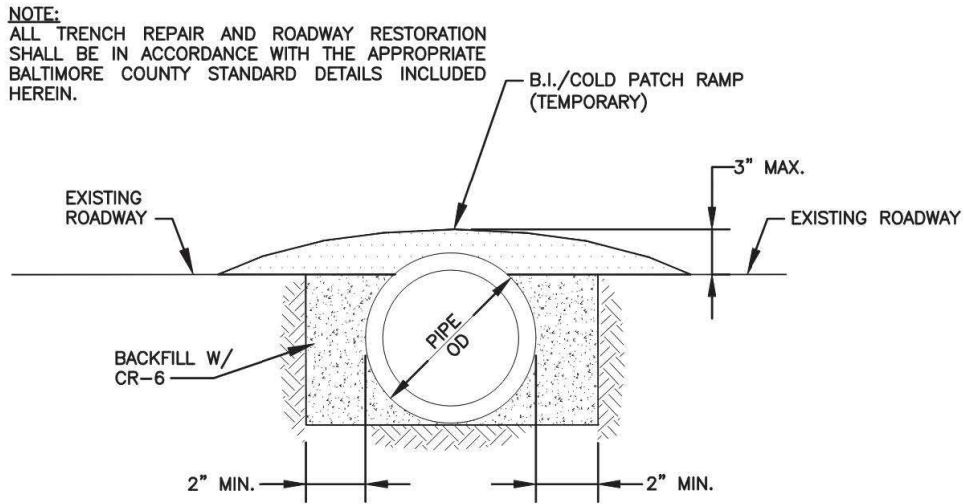
373.05 Details

NOTE:

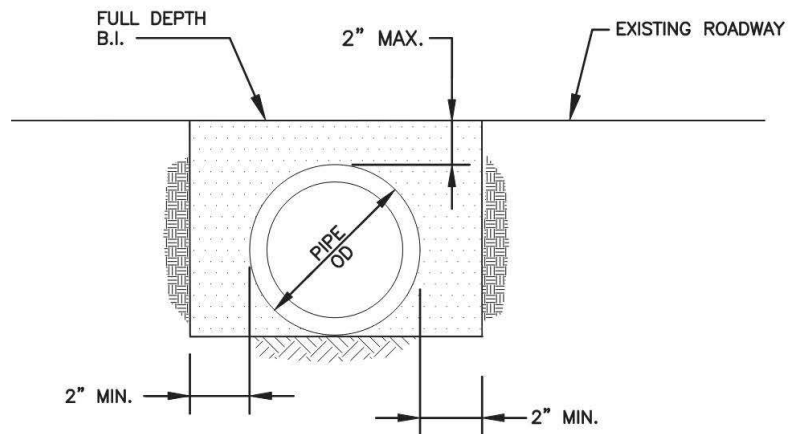
TEMPORARY BYPASS PIPING SYSTEM
MUST COMPLY WITH NSF 61.



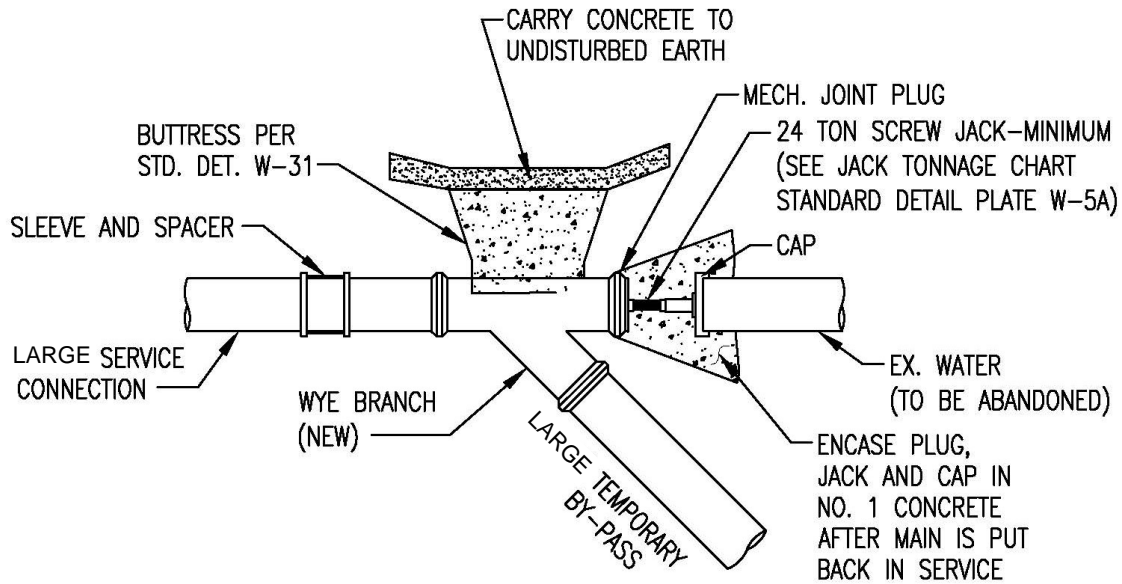
**A. TEMPORARY WATER HOUSE CONNECTION FOR
OUTSIDE METER (UP TO 2" WATER SERVICE)**
SCALE: NTS



B. TYPICAL ROADWAY CROSSING DETAIL FOR 4" TO 8" TEMPORARY BYPASS PIPING
SCALE: NTS



C. TYPICAL "MAJOR ROADWAY" CROSSING DETAIL FOR 4" TO 8" TEMPORARY BYPASS PIPING
SCALE: NTS



NOTES:

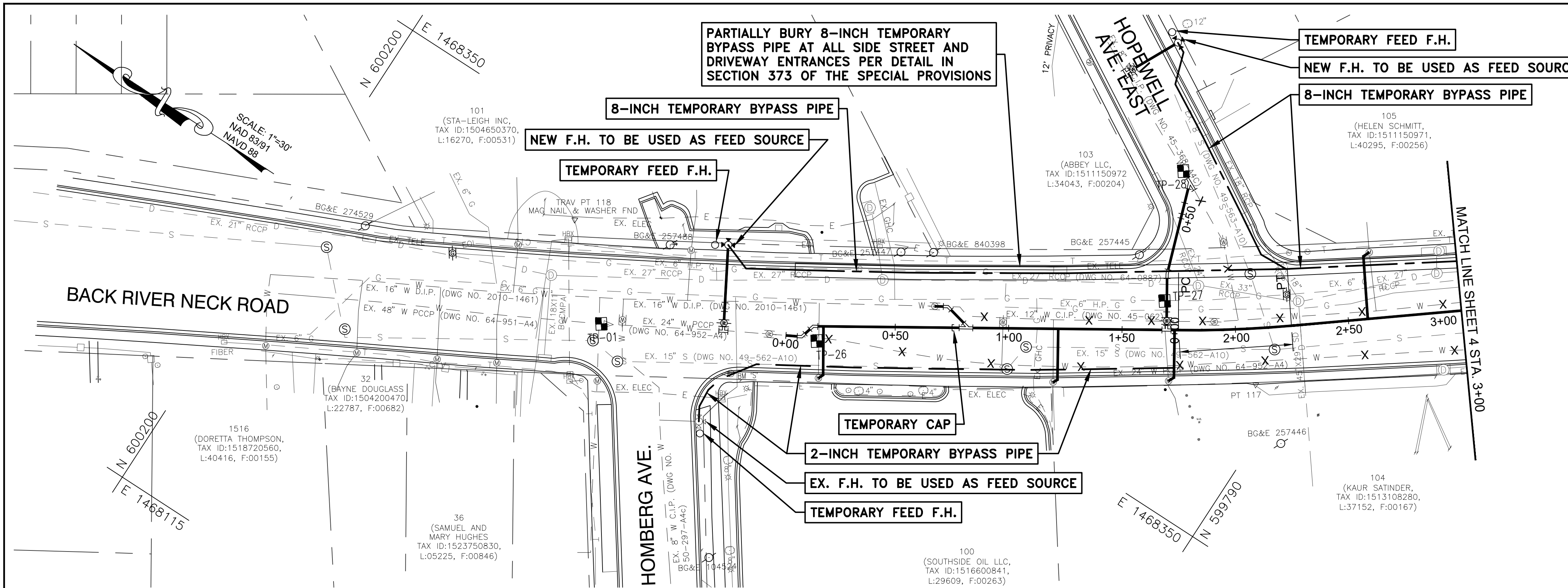
1. TEMPORARY BY-PASS PIPE SHALL BE LAID AND IN PLACE PRIOR TO INSTALLING WYE CONNECTION.
2. CLOSE APPROPRIATE VALVES IN ORDER TO INSTALL WYE CONNECTION AND CONNECT TEMPORARY BY-PASS PIPE AS SHOWN.
3. TEMPORARY BY-PASS PIPE WILL BE REPLACED WITH NEW DIP WHEN THE NEW MAIN IS PUT BACK IN SERVICE.

**DETAIL FOR LARGE TEMPORARY BY-PASS CONNECTION
AT WYE WITH BUTTRESS, CAP, AND PLUG**

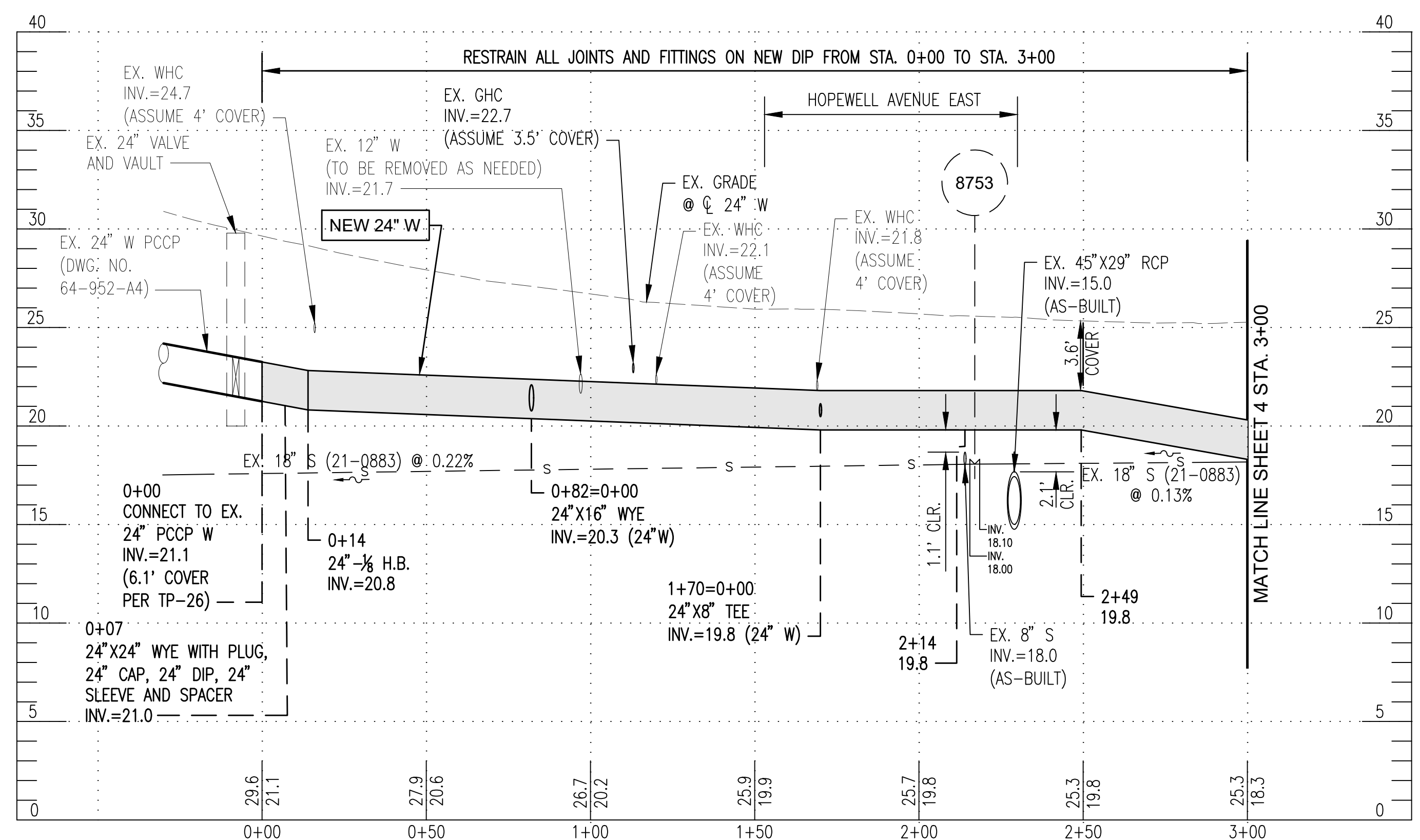
SCALE: NOT TO SCALE

APPENDIX F

TEMPORARY BYPASS SKETCHES



PLAN - 24" WATER MAIN REPLACEMENT - STA. 0+00 TO STA. 3+00
SCALE: 1"=30'



PROFILE OF 24" W - STA. 0+00 TO STA. 3+00
SCALE: 1"=30' HORIZ.
1"=5' VERT.

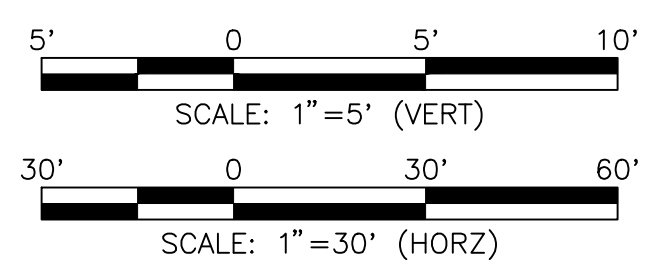
QUANTITY	DESCRIPTION	SIZE
1 EA.	CAP	24"

- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 24" W FROM STA. 0+00 TO STA. 3+00
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 8" W FROM STA. 0+00 TO STA. 0+66
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 16" W FROM STA. 0+00 TO STA. 0+19

- SEE SHEET 11 FOR PROFILE OF 8" WATER FOR HOPWELL AVENUE (EAST)
- SEE SHEET 11 FOR PROFILE OF 16" WATER INTERCONNECT

- ABANDONING NOTES**
- ABANDON APPROX. 295 L.F. OF EX. 24" W IN PLACE ALONG BACK RIVER NECK ROAD RIGHT OF 24" W STA. 0+00 TO STA. 3+00 (AS NOTED X)
 - ABANDON APPROX. 215 L.F. OF EX. 12" W IN PLACE ALONG BACK RIVER NECK ROAD LEFT OF 24" W STA. 0+00 TO STA. 3+00 (AS NOTED X)
 - ABANDON APPROX. 65 L.F. OF EX. 8" W IN PLACE ALONG HOPWELL AVENUE EAST RIGHT OF 8" W STA. 0+00 TO STA. 0+66 (AS NOTED X)

- LEGEND**
- 2-INCH TEMPORARY BYPASS PIPE
 - - - - 4-INCH TEMPORARY BYPASS PIPE
 - 6-INCH TEMPORARY BYPASS PIPE
 - 8-INCH TEMPORARY BYPASS PIPE



TEST PIT NO.	NORTHING	EASTING	GROUND ELEV.	UTILITY	COVER	TOP ELEV.
1	592229.13	1474003.25	32.77	48" W	7.17	25.60
26	600059.71	1468286.71	29.53	24" W	6.12	23.41
27	599856.95	1468460.46	26.51	6" G	4.01	22.50
28	599881.19	1468482.67	26.20	8" W	4.37	21.83

QUANTITY	DESCRIPTION	SIZE
300 L.F.	DUCTILE IRON PIPE	24"
66 L.F.	DUCTILE IRON PIPE	8"
19 L.F.	DUCTILE IRON PIPE	16"
24 L.F.	COPPER	1 1/2"
80 L.F.	COPPER	3/4"
3 EA.	TAP AND CORP STOP	3/4"
1 EA.	TAP AND CORP STOP	1 1/2"
1 EA.	1/8 BEND	24"
1 EA.	1/8 BEND	16"
4 EA.	1/8 BEND	8"
1 EA.	1/32 BEND	8"
1 EA.	TEE	24"X8"
1 EA.	VALVE AND VAULT	8"
1 EA.	WYE	24"X24"
1 EA.	WYE	24"X16"
1 EA.	WYE	8"X8"
1 EA.	CAP	24"
1 EA.	CAP	16"
1 EA.	CAP	8"
1 EA.	PLUG	24"
1 EA.	PLUG	16"
1 EA.	PLUG	8"
1 EA.	SLEEVE	24"
1 EA.	SLEEVE	16"
1 EA.	SLEEVE	8"
1 EA.	SPACER	24"
1 EA.	SPACER	16"
1 EA.	SPACER	8"
1 EA.	DIP TO PCCP ADAPTER	24"

STATION	NORTHING	EASTING
0+00 (CONNECT TO EX. 24" W)	599988.68	1468326.77
0+07 (WYE)	599982.52	1468330.10
0+14 (24" - 1/8 HORZ. BEND)	599980.79	1468336.75
0+82 (24"X16" WYE)	599922.92	1468373.45
1+70 (24"X8" TEE)	599851.22	1468423.29
1+75 (PC)	599844.79	1468422.99
2+25 (PT)	599804.12	1468451.73

STATION	NORTHING	EASTING
0+00 (24"X8" TEE)	599851.22	1468423.29
0+03 (8" VALVE AND VAULT)	599850.87	1468422.70
0+08 (8" - 1/8 UPPER VERT. BEND)	599853.55	1468426.92
0+13 (8" - 1/8 LOWER VERT. BEND)	599856.23	1468431.14
0+25 (8" - 1/32 HORZ. BEND)	599862.50	1468441.04
0+52 (8" - 1/8 LOWER VERT. BEND)	599871.45	1468466.81
0+57 (8" - 1/8 UPPER VERT. BEND)	599873.74	1468473.42
0+66 (WYE)	599876.19	1468480.47

STATION	NORTHING	EASTING
0+00 (24"X8" TEE)	599680.86	1468546.36
0+03 (8" VALVE AND VAULT)	599679.01	1468545.99
0+05 (8" - 1/8 LOWER VERT. BEND)	599677.77	1468544.42
0+08 (8" - 1/8 UPPER VERT. BEND)	599675.92	1468542.06
0+39 (8" - 1/16 UPPER VERT. BEND)	599656.80	1468517.67
0+43 (8" - 1/16 LOWER VERT. BEND)	599654.33	1468514.52
0+46 (8" - 1/8 HORZ. BEND)	599652.70	1468512.44
0+57 (WYE)	599653.68	1468501.02

STATION	NORTHING	EASTING
0+00 (24"X16" WYE)	599922.92	1468373.45
0+13 (16" - 1/8 HORZ. BEND)	599935.73	1468376.31
0+19 (CONNECT TO EX.)	599940.61	1468373.33

STATION	NORTHING	EASTING
0+00 (24"X4" TEE)	599449.18	1468730.29
0+03 (4" VALVE AND VAULT)	599447.28	1468727.99
0+09 (4" - 1/16 LOWER VERT. BEND)	599443.56	1468723.26
0+13 (4" - 1/16 UPPER VERT. BEND)	599441.07	1468720.13
0+16 (4" - 1/8 HORZ. BEND)	599438.89	1468717.42
0+22 (WYE)	599432.66	1468716.69

BM 'S'	ELEV.=31.32
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TRAVERSE POINT	NORTHING	EASTING
117	599803.18	1468421.37
118	600094.62	1468318.91

CITY OF BALTIMORE
REVISION - CITY OF BALTIMORE
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES

SEAL	PROFESSIONAL CERTIFICATION	REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION	SHT	DRAWING SCALE	DPW & TRANSPORTATION
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.									
		ENGINEER: SHAWN BURNETT THE WILSON T. BALLARD CO.	DESIGN BY: DS DRAWN BY: TL AS-BUILT PER RECORD PRINT BY: _____ DATE: _____	BUREAU OF ENGINEERING AND CONSTRUCTION BUILDINGS HIGHWAYS STRUCTURES STORM DRAINS SEWER WATER FIELD ENGINEER	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES				

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION

24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3

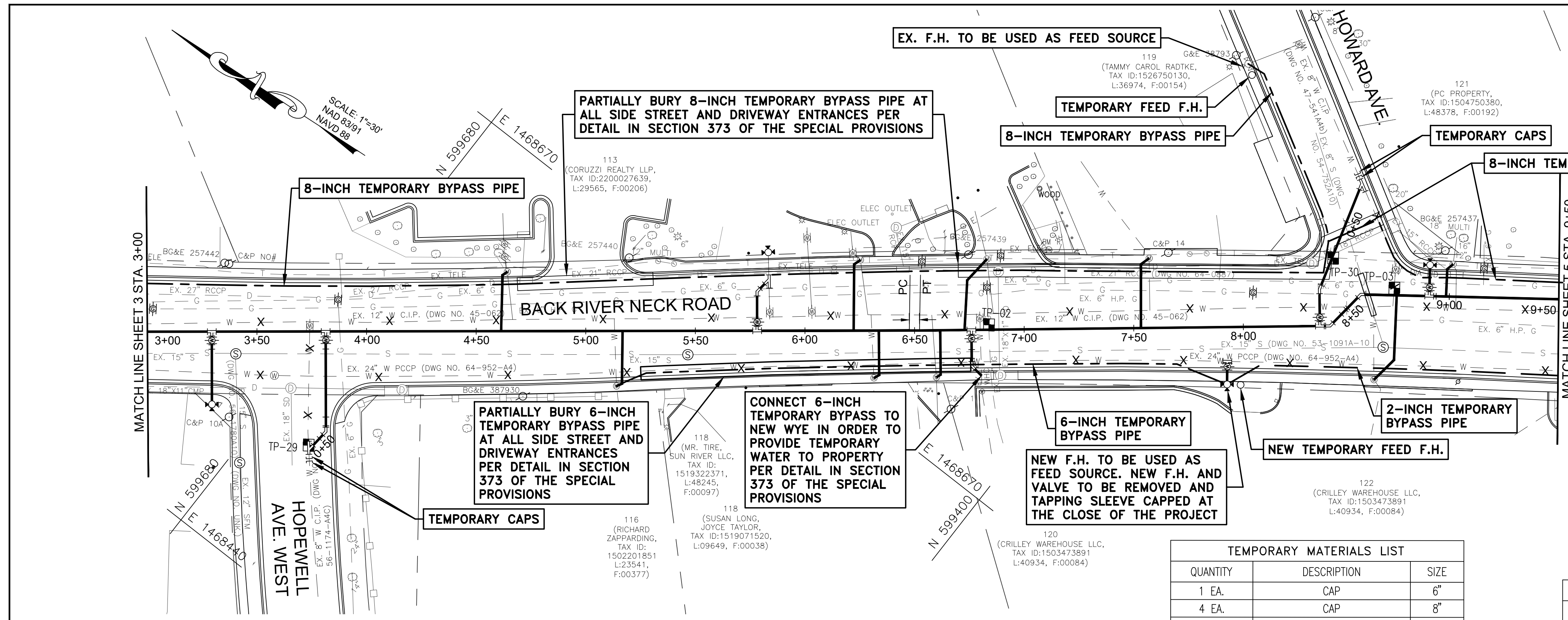
BACK RIVER NECK ROAD

FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD

SUBDIVISION: BACK RIVER NECK PROP. 24" WATER MAIN PLAN (STA. 0+00 TO STA. 3+00) ELECTION DIST. NO.: 15C7

Contract No. 23186 WX0
Addendum No. 3
March 13, 2026

SHEET DESIGNATION	CONTRACT NUMBER
WATER SH 3 OF 18	23186-WX0
JOB ORDER NUMBER	231-203-0067-0783
SHEET 3 OF 44	
DRAWING NUMBER	2023-2706
FILE NO.:	



PLAN - 24" WATER MAIN REPLACEMENT - STA. 3+00 TO STA. 9+50

SCALE: 1"=30'

EXISTING TEST PITS						
TEST PIT NO.	NORTHING	EASTING	GROUND ELEV.	UTILITY	COVER	TOP ELEV.
2	599443.90	1468737.06	29.54	8" G	3.57	25.97
3	599308.85	1468864.07	33.59	8" W	5.39	28.20
29	599654.66	1468503.12	25.63	8" W	4.93	20.70
30	599338.81	1468856.93	32.77	TELE.	6.67	26.10

WATER STAKEOUT TABLE BACK RIVER NECK ROAD 24" W/16" W		
STATION	NORTHING	EASTING
3+29 (24"X6" F.H.T.)	599721.78	1468516.28
3+81 (24"X8" TEE)	599680.86	1468546.36
5+78 (24"X6" F.H.T.)	599525.98	1468669.77
6+48 (PC)	599471.32	1468712.62
6+52 (PT)	599467.67	1468715.51
6+76 (24"X4" TEE)	599449.18	1468730.29
8+35 (24"X8" TEE)	599324.98	1468829.53
8+40 (24"-1/8 HORZ. BEND)	599321.56	1468832.42
8+47 (24"-1/8 UPPER VERT. BEND)	599320.53	1468839.84
8+51 (24"-1/8 LOWER VERT. BEND)	599320.53	1468839.84
8+60 (24"-1/8 HORZ. BEND)	599319.13	1468852.38
8+91 (24"X6" F.H.T.)	599294.06	1468871.02
8+94 (24"-1/8 LOWER VERT. BEND)	599291.54	1468872.93
9+00 (24"-1/8 UPPER VERT. BEND)	599286.70	1468876.49

HORIZONTAL CONTROL		
TRAVERSE POINT	NORTHING	EASTING
29	599698.81	1468492.25
116	599272.01	1468829.28

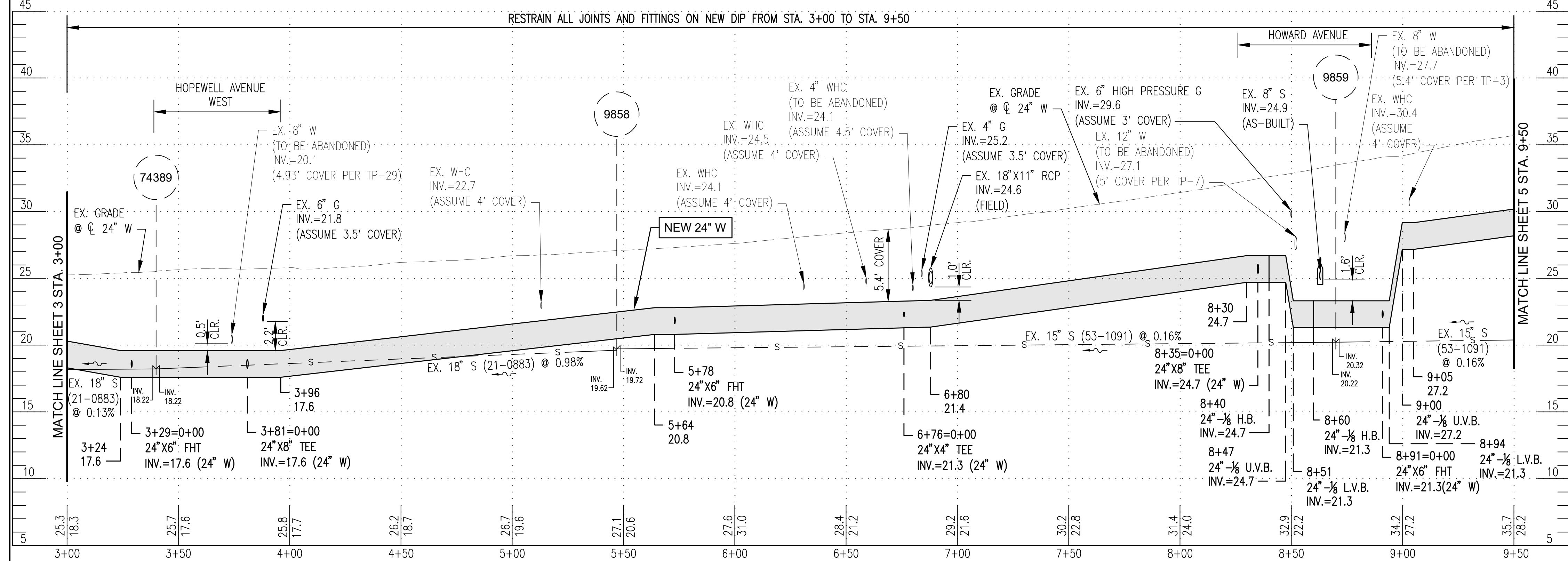
VERTICAL CONTROL	
BM 'R'	BOX CUT TC
ELEV.=30.69	

TEMPORARY MATERIALS LIST		
QUANTITY	DESCRIPTION	SIZE
1 EA.	CAP	6"
4 EA.	CAP	8"
11 L.F.	DUCTILE IRON PIPE	6"
1 EA.	TAPPING SLEEVE	24"X6"
1 EA.	VALVE AND VAULT	6"
1 EA.	FIRE HYDRANT	-

BILL OF MATERIALS		
QUANTITY	DESCRIPTION	SIZE
650 L.F.	DUCTILE IRON PIPE	24"
126 L.F.	DUCTILE IRON PIPE	8"
81 L.F.	DUCTILE IRON PIPE	6"
22 L.F.	DUCTILE IRON PIPE	4"
67 L.F.	COPPER	2"
57 L.F.	COPPER	1 1/2"
136 L.F.	COPPER	3/4"
5 EA.	TAP AND CORP STOP	3/4"
2 EA.	TAP AND CORP STOP	1 1/2"
2 EA.	TAP AND CORP STOP	2"
6 EA.	1/8 BEND	24"
5 EA.	1/8 BEND	8"
3 EA.	1/16 BEND	8"
3 EA.	1/8 BEND	6"
1 EA.	1/8 BEND	4"
2 EA.	1/16 BEND	4"
2 EA.	TEE	24"X8"
3 EA.	TEE	24"X6"
1 EA.	TEE	24"X4"
2 EA.	VALVE AND VAULT	8"
3 EA.	VALVE AND VAULT	6"
1 EA.	VALVE AND VAULT	4"
2 EA.	FIRE HYDRANT	-
2 EA.	WYE	8"X8"
1 EA.	WYE	6"X6"
1 EA.	WYE	4"X4"
2 EA.	CAP	8"
1 EA.	CAP	6"
1 EA.	CAP	4"
2 EA.	PLUG	8"
1 EA.	PLUG	6"
1 EA.	PLUG	4"
2 EA.	SLEEVE	8"
1 EA.	SLEEVE	6"
1 EA.	SLEEVE	4"
2 EA.	SPACER	8"
1 EA.	SPACER	6"
1 EA.	SPACER	4"

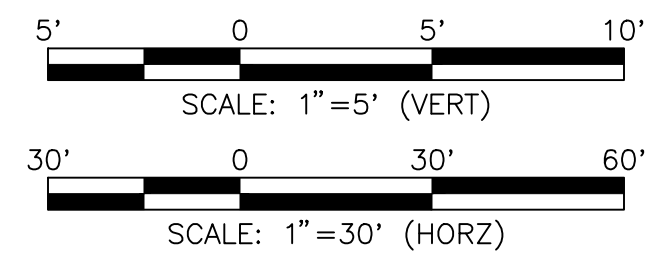
- SEE SHEET 3 FOR WATER STAKEOUT TABLE AT HOPEWELL AVENUE WEST 8" W.
- SEE SHEET 3 FOR WATER STAKEOUT TABLE AT 4" WATER SERVICE AT BACK RIVER NECK ROAD 24" W STA. 6+76
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 24" W FROM STA. 3+00 TO STA. 9+50
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 8" W FROM STA. 0+00 TO STA. 0+57
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 8" W FROM STA. 0+00 TO STA. 0+69
- SEE SHEET 11 FOR PROFILE OF 8" WATER FOR HOPEWELL AVENUE (WEST), FOR PROFILE OF 4" WATER SERVICE CONNECTION AT BACK RIVER NECK ROAD 24" W STA. 6+76 AND FOR PROFILE OF 8" WATER FOR HOWARD AVENUE.
- SEE SHEET 11 FOR PROFILE OF 6" WATER FOR PROFILE FOR FIRE HYDRANT AT BACK RIVER NECK ROAD 24" W STA. 3+29, STA. 5+78 AND STA. 8+91.

- ABANDONING NOTES**
- ABANDON APPROX. 650 L.F. OF EX. 24" W IN PLACE ALONG BACK RIVER NECK ROAD RIGHT OF 24" W STA. 3+00 TO STA. 9+50 (AS NOTED X).
 - ABANDON APPROX. 650 L.F. OF EX. 12" W IN PLACE ALONG BACK RIVER NECK ROAD LEFT/RIGHT OF 24" W STA. 3+00 TO STA. 9+50 (AS NOTED X).
 - ABANDON APPROX. 58 L.F. OF EX. 8" W IN PLACE ALONG HOPEWELL AVENUE WEST RIGHT OF 8" W STA. 0+00 TO STA. 0+57 (AS NOTED X).
 - ABANDON APPROX. 60 L.F. OF EX. 8" W IN PLACE ALONG HOWARD AVENUE RIGHT OF 8" W STA. 0+00 TO STA. 0+69 (AS NOTED X).



PROFILE OF 24" W - STA. 3+00 TO STA. 9+50

SCALE: 1"=30' HORZ.
1"=5' VERT.

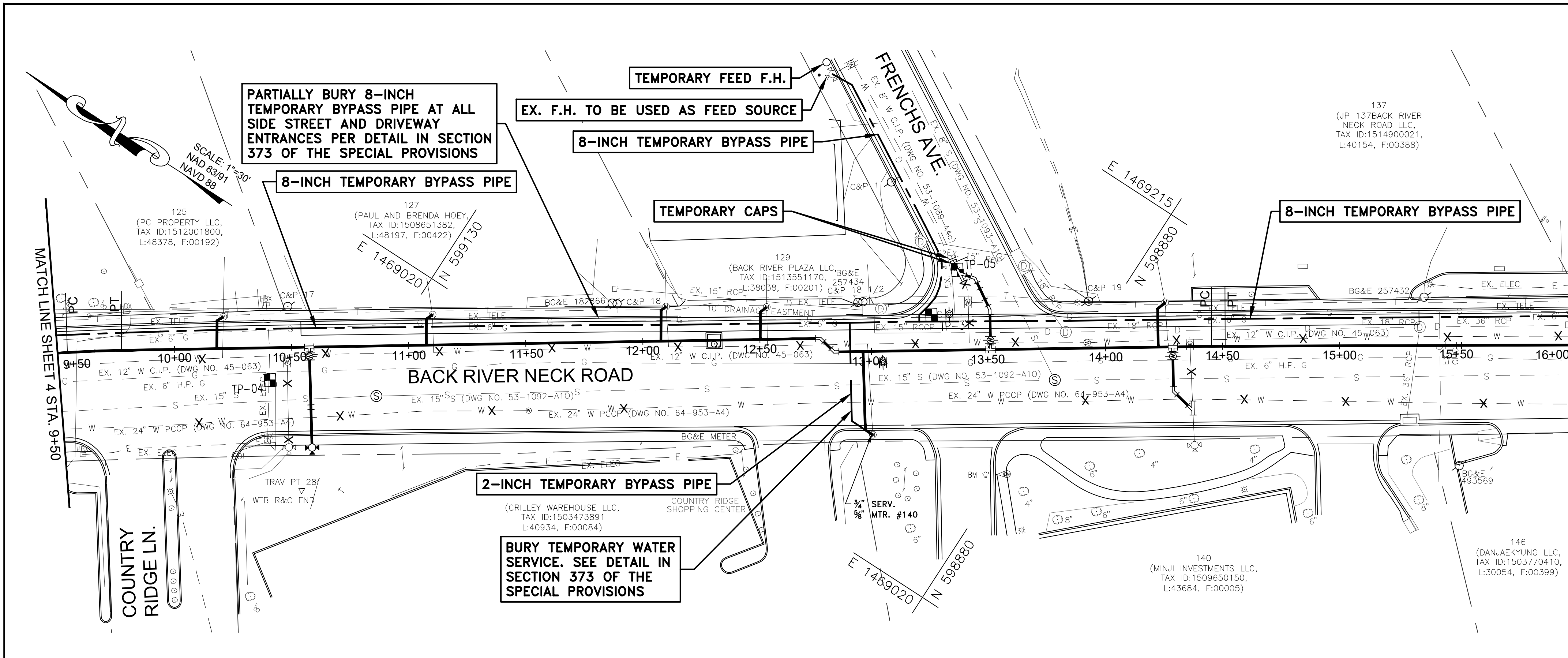


CITY OF BALTIMORE	REVISION - CITY OF BALTIMORE
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	

SEAL	PROFESSIONAL CERTIFICATION	REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	DPW & TRANSPORTATION
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20615 EXPIRATION DATE 10/21/28 ENGINEER: SHAWN BURNETT THE WILSON T. BALLARD CO. AS-BUILT PER RECORD PRINT BY: _____ DATE: _____	DESIGN BY: DS	BUREAU OF ENGINEERING AND CONSTRUCTION	BUILDINGS	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER
		DRAWN BY: TL	REVIEWED BY: _____	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES				

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION
 24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3
 BACK RIVER NECK ROAD
 FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD
 PROP. 24" WATER MAIN PLAN (STA. 3+00 TO STA. 9+50)
 SUBDIVISION: BACK RIVER NECK
 ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
WATER SH 4 OF 18	23186-WXO
JOB ORDER NUMBER	231-203-0067-0783
SHEET 4 OF 44	
DRAWING NUMBER	2023-2707
FILE NO.:	



PLAN - 24" WATER MAIN REPLACEMENT - STA. 9+50 TO STA. 16+00
SCALE: 1"=30'

EXISTING TEST PITS						
TEST PIT NO.	NORTHING	EASTING	GROUND ELEV.	UTILITY	COVER	TOP ELEV.
4	599164.21	1468946.05	38.05	ELEC	2.76	35.29
5	598942.42	1469146.79	37.14	8" W	N/A	N/A
31	598942.37	1469122.07	37.31	6" G	3.09	34.22

WATER STAKEOUT TABLE BACK RIVER NECK ROAD 24" W/16" W		
STATION	NORTHING	EASTING
9+54 (PC)	599243.25	1468908.79
9+77 (PT)	599224.33	1468922.19
10+58 (24" X6" F.H.T.)	599157.85	1468966.98
12+30 (24" VALVE AND VAULT)	599014.46	1469063.59
12+76 (24"-1/8" HORZ. BEND)	598976.78	1469088.98
12+84 (24"-1/8" HORZ. BEND)	598968.71	1469087.39
13+51 (24" X8" TEE)	598913.25	1469124.59
14+29 (24" X6" F.H.T.)	598848.60	1469167.96
14+45 (PC)	598834.81	1469177.21
14+51 (PT)	598829.99	1469180.40

ABANDONING NOTES

- ABANDON APPROX. 650 L.F. OF EX. 24" W IN PLACE ALONG BACK RIVER NECK ROAD RIGHT OF 24" W STA. 9+50 TO STA. 16+00 (AS NOTED X).
- ABANDON APPROX. 650 L.F. OF EX. 12" W IN PLACE ALONG BACK RIVER NECK ROAD RIGHT OF 24" W STA. 9+50 TO STA. 16+00 (AS NOTED X).
- ABANDON APPROX. 32 L.F. OF EX. 8" W IN PLACE ALONG FRENCH AVENUE LEFT/RIGHT OF 8" W STA. 0+00 TO STA. 0+36 (AS NOTED X).

VERTICAL CONTROL

BM 'Q'
BOX CUT TO @ END OF SIDEWALK
ELEV.=38.78

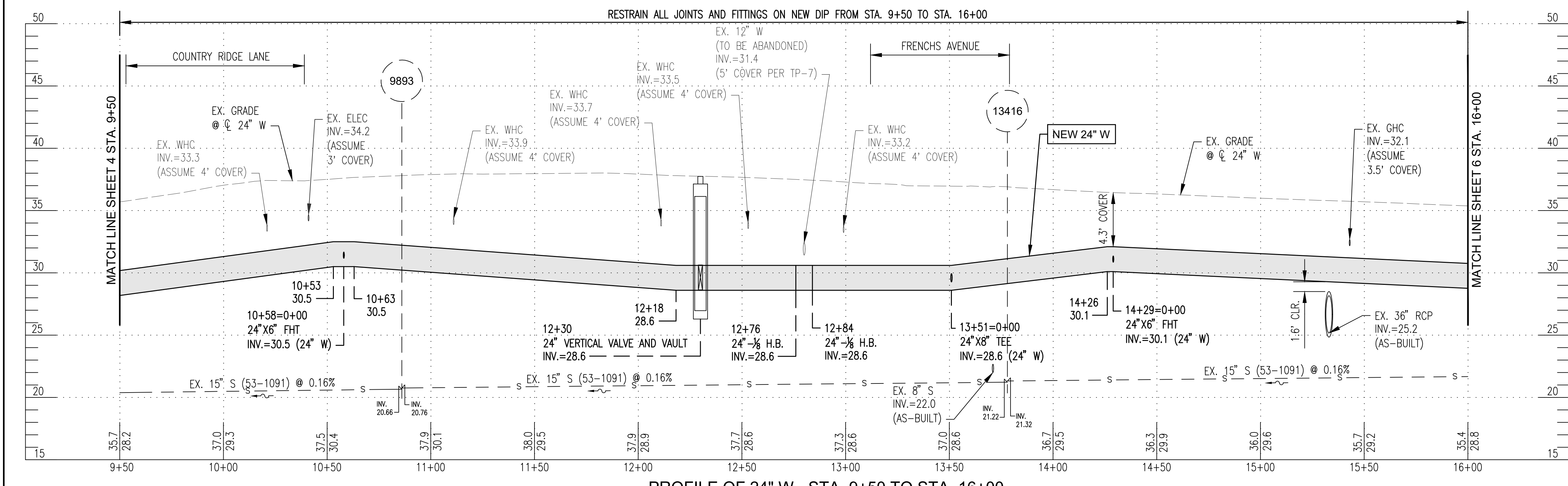
HORIZONTAL CONTROL		
TRAVERSE POINT	NORTHING	EASTING
28	599127.32	1468913.97
115	598865.53	1469105.95

WATER STAKEOUT TABLE FRENCH AVENUE 8" W		
STATION	NORTHING	EASTING
0+00 (24" X8" TEE)	598913.25	1469124.59
0+03 (8" VALVE AND VAULT)	598914.85	1469126.93
0+17 (8"-1/16" HORZ. BEND)	598922.70	1469138.68
0+22 (8"-1/16" LOWER VERT. BEND)	598926.95	1469141.30
0+27 (8"-1/16" UPPER VERT. BEND)	598931.21	1469143.92
0+32 (8"-1/8" HORZ. BEND)	598935.37	1469146.48
0+39 (WYE)	598942.39	1469144.64

TEMPORARY MATERIALS LIST		
QUANTITY	DESCRIPTION	SIZE
2 EA.	CAP	8"

- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 24" W FROM STA. 9+50 TO STA. 16+00
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 8" W FROM STA. 0+00 TO STA. 0+39

- SEE SHEET 12 FOR PROFILE OF 8" WATER FOR FRENCH AVENUE.
- SEE SHEET 12 FOR PROFILE OF 6" WATER FOR PROFILE FOR FIRE HYDRANT AT BACK RIVER NECK ROAD 24" W STA. 10+58 AND STA. 14+29



PROFILE OF 24" W - STA. 9+50 TO STA. 16+00
SCALE: 1"=30' HORZ.
1"=5' VERT.

BILL OF MATERIALS		
QUANTITY	DESCRIPTION	SIZE
650 L.F.	DUCTILE IRON PIPE	24"
39 L.F.	DUCTILE IRON PIPE	8"
75 L.F.	DUCTILE IRON PIPE	6"
36 L.F.	COPPER	1"
82 L.F.	COPPER	3/4"
4 EA.	TAP AND CORP STOP	3/4"
2 EA.	TAP AND CORP STOP	1"
2 EA.	1/8" BEND	24"
1 EA.	1/8" BEND	8"
3 EA.	1/16" BEND	8"
1 EA.	1/8" BEND	6"
1 EA.	TEE	24" X8"
2 EA.	TEE	24" X6"
1 EA.	VALVE AND VAULT	24"
1 EA.	VALVE AND VAULT	8"
2 EA.	VALVE AND VAULT	6"
1 EA.	FIRE HYDRANT	-
1 EA.	WYE	8" X8"
1 EA.	WYE	6" X6"
1 EA.	CAP	8"
1 EA.	CAP	6"
1 EA.	PLUG	8"
1 EA.	PLUG	6"
1 EA.	SLEEVE	8"
1 EA.	SLEEVE	6"
1 EA.	SPACER	8"
1 EA.	SPACER	6"

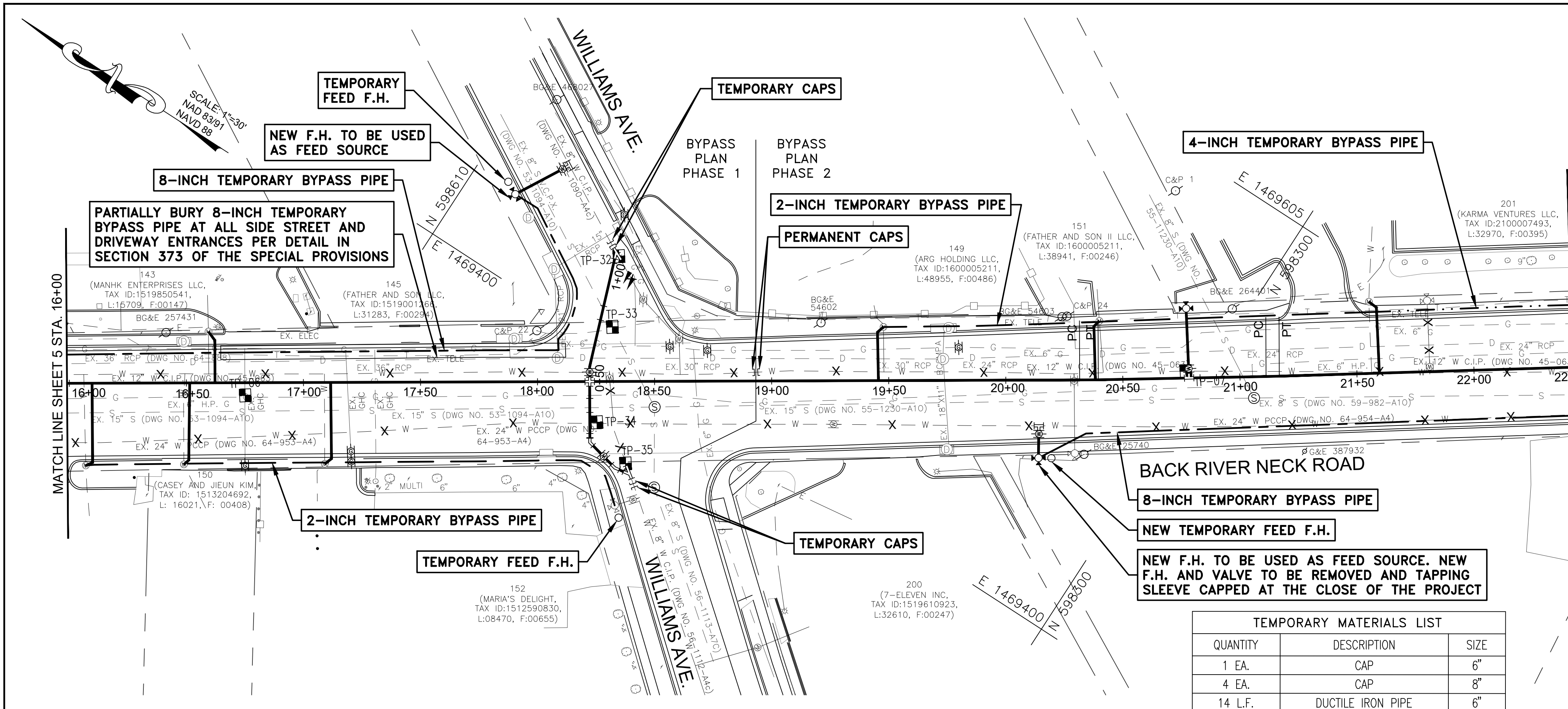
CONTRACT COMPLETION BOX	
CONTRACTOR:	
DATE COMPLETED:	
INSPECTOR:	
PIPE MATERIAL:	
CATHODIC PROTECTION SYSTEM METHOD (POTABLE WATER ONLY):	
<input type="checkbox"/> BONDED COATED PIPE	PIPE DIAMETER(S):
<input type="checkbox"/> N/A - ZINC COATED PIPE	PIPE DIAMETER(S):
<input type="checkbox"/> WITH POLYETHYLENE ENCASEMENT	PIPE DIAMETER(S):
<input type="checkbox"/> OTHER (SPECIFY):	PIPE DIAMETER(S):

CITY OF BALTIMORE	REVISION - CITY OF BALTIMORE
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	

SEAL	PROFESSIONAL CERTIFICATION	REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION	SHT	DRAWING SCALE	DPW & TRANSPORTATION	
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20815 EXPIRATION DATE 10/21/26					I-SE	5NE32		1"=30'	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION 24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3 BACK RIVER NECK ROAD FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD SUBDIVISION: BACK RIVER NECK PROP. 24" WATER MAIN PLAN (STA. 9+50 TO STA. 16+00) ELECTION DIST. NO.:15C7	
		ENGINEER: SHAWN BURNETT THE WILSON T. BALLARD CO.	DESIGN BY: DS	BUREAU OF ENGINEERING AND CONSTRUCTION	BUILDINGS	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER		WATER
	AS-BUILT PER RECORD PRINT	DRAWN BY: TL	REVIEWED BY:								
DATE:		CHKD BY: SB	DATE REVIEWED:								

SHEET DESIGNATION: WATER SH 5 OF 18
 CONTRACT NUMBER: 23186-WXO
 JOB ORDER NUMBER: 231-203-0067-0783
 SHEET 5 OF 44
 DRAWING NUMBER: 2023-2708
 FILE NO.:

CONTRACT NO. 23186 WXO
 Addendum No. 3
 March 13, 2026



PLAN - 24" WATER MAIN REPLACEMENT - STA. 16+00 TO STA. 22+50
SCALE: 1"=30'

EXISTING TEST PITS						
TEST PIT NO.	NORTHING	EASTING	GROUND ELEV.	UTILITY	COVER	TOP ELEV.
6	598639.57	1469298.54	35.48	6" G	3.30	32.18
7	598308.29	1469526.02	34.24	12" W	5.00	29.24
32	598538.08	1469434.93	34.37	8" W	4.43	29.94
33	598524.40	1469408.08	34.35	TELE	5.05	29.30
34	598507.32	1469370.71	34.33	24" W	6.50	27.83
35	598487.84	1469362.58	33.65	8" W	5.69	27.96

ABANDONING NOTES

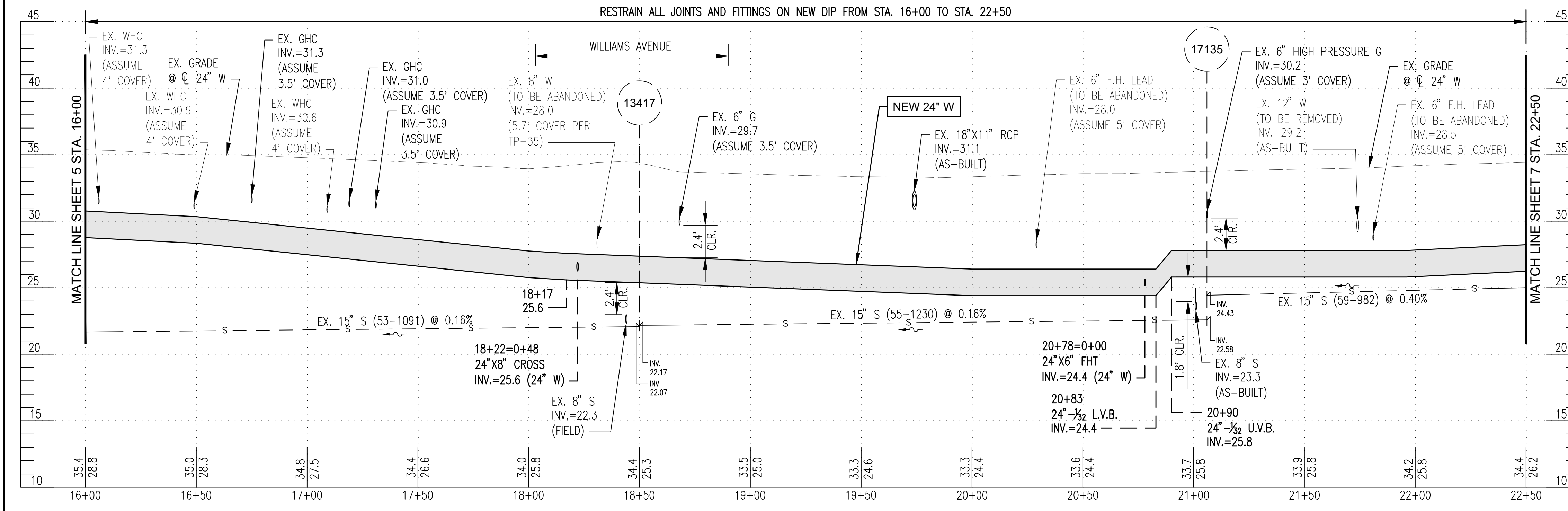
- ABANDON APPROX. 650 L.F. OF EX. 24" W IN PLACE ALONG BACK RIVER NECK ROAD RIGHT OF 24" W STA. 16+00 TO STA. 22+50 (AS NOTED X).
- ABANDON APPROX. 650 L.F. OF EX. 12" W IN PLACE ALONG BACK RIVER NECK ROAD LEFT OF 24" W STA. 16+00 TO STA. 22+50 (AS NOTED X).
- ABANDON APPROX. 106 L.F. OF EX. 8" W IN PLACE ALONG WILLIAMS AVENUE RIGHT OF 8" W STA. 0+00 TO STA. 1+05 (AS NOTED X).

WATER STAKEOUT TABLE BACKRIVER NECK ROAD 24" W/16" W		
STATION	NORTHING	EASTING
18+22 (24" X8" CROSS)	598519.38	1469383.60
20+32 (PC)	598344.24	1469498.17
20+40 (PT)	598337.62	1469502.58
20+78 (24" X6" F.H.T.)	598305.52	1469524.31
20+83 (24" -1/32 LOWER VERT. BEND)	598301.60	1469526.97
20+90 (24" -1/32 UPPER VERT. BEND)	598295.80	1469530.89
21+11 (PC)	598278.27	1469542.76
21+17 (PT)	598273.60	1469545.96

WATER STAKEOUT TABLE WILLIAMS AVENUE 8" W		
STATION	NORTHING	EASTING
0+00 (WYE)	598483.43	1469359.70
0+07 (8" -1/16 HORZ. BEND)	598490.33	1469358.52
0+14 (8" VALVE AND VAULT)	598496.82	1469360.09
0+22 (8" -1/8 HORZ. BEND)	598505.18	1469361.90
0+24 (8" -1/8 LOWER VERT. BEND)	598506.13	1469363.35
0+26 (8" -1/8 UPPER VERT. BEND)	598507.25	1469365.05
0+35 (8" -1/8 UPPER VERT. BEND)	598512.13	1469372.56
0+41 (8" -1/8 LOWER VERT. BEND)	598515.40	1469377.51
0+48 (24" X8" CROSS)	598519.38	1469383.60
0+51 (8" VALVE AND VAULT)	598521.02	1469386.11
0+54 (8" -1/32 HORZ. BEND)	598522.87	1469388.94
0+75 (8" -1/8 LOWER VERT. BEND)	598529.85	1469408.12
0+81 (8" -1/8 UPPER VERT. BEND)	598531.90	1469413.81
1+05 (WYE)	598540.01	1469436.18

TEMPORARY MATERIALS LIST		
QUANTITY	DESCRIPTION	SIZE
1 EA.	CAP	6"
4 EA.	CAP	8"
14 L.F.	DUCTILE IRON PIPE	6"
1 EA.	TAPPING SLEEVE	24" X6"
1 EA.	VAULT AND VAULT	6"
1 EA.	FIRE HYDRANT	-

BILL OF MATERIALS		
QUANTITY	DESCRIPTION	SIZE
650 L.F.	DUCTILE IRON PIPE	24"
105 L.F.	DUCTILE IRON PIPE	8"
30 L.F.	DUCTILE IRON PIPE	6"
32 L.F.	COPPER	2"
36 L.F.	COPPER	1"
146 L.F.	COPPER	3/4"
5 EA.	TAP AND CORP STOP	3/4"
1 EA.	TAP AND CORP STOP	1"
1 EA.	TAP AND CORP STOP	2"
2 EA.	1/32 BEND	24"
7 EA.	1/8 BEND	8"
1 EA.	1/16 BEND	8"
1 EA.	1/32 BEND	8"
1 EA.	VALVE AND VAULT	8"
1 EA.	VALVE AND VAULT	6"
1 EA.	FIRE HYDRANT	-
2 EA.	WYE	8" X8"
2 EA.	CAP	8"
2 EA.	PLUG	8"
2 EA.	SLEEVE	8"
2 EA.	SPACER	8"



PROFILE OF 24" W - STA. 16+00 TO STA. 22+50
SCALE: 1"=5' HORIZ. 1"=5' VERT.

- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 24" W FROM STA. 16+00 TO STA. 22+50
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 8" W FROM STA. 0+00 TO STA. 1+05

- SEE SHEET 12 FOR PROFILE OF 8" WATER FOR WILLIAMS AVENUE.
- SEE SHEET 12 FOR PROFILE OF 6" WATER FOR PROFILE FOR FIRE HYDRANT AT BACK RIVER NECK ROAD 24" W STA. 20+78

HORIZONTAL CONTROL		
TRAVERSE POINT	NORTHING	EASTING
27	598553.06	1469397.57
114	598338.86	1469460.88

CONTRACT COMPLETION BOX	
CONTRACTOR:	
DATE COMPLETED:	
INSPECTOR:	
PIPE MATERIAL:	
CATHODIC PROTECTION SYSTEM METHOD (POTABLE WATER ONLY):	
<input type="checkbox"/> BONDED COATED PIPE	PIPE DIAMETER(S):
<input type="checkbox"/> N/A - ZINC COATED PIPE	PIPE DIAMETER(S):
<input type="checkbox"/> WITH POLYETHYLENE ENCASMENT	PIPE DIAMETER(S):
<input type="checkbox"/> OTHER (SPECIFY):	PIPE DIAMETER(S):

CITY OF BALTIMORE	REVISION - CITY OF BALTIMORE
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	

	PROFESSIONAL CERTIFICATION		REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION	SHT	DRAWING SCALE	DPW & TRANSPORTATION
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20615, EXPIRATION DATE 10/21/26						R.O.W. NO.	I-SE	4NE33 5NE33	PLAN SCALE: 1"=30' PROFILE SCALE: 1"=5'	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
ENGINEER: SHAWN BURNETT THE WILSON T. BALLARD CO.	DESIGN BY: DS	BUREAU OF ENGINEERING AND CONSTRUCTION	BUILDINGS	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	BUR. OF ENGINEERING & CONSTRUCTION	
AS-BUILT PER RECORD PRINT	DRAWN BY: TL	REVIEWED BY:	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES		SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES						
BY: DATE:	CHKD BY: SB	DATE REVIEWED:									

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION

24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3

BACK RIVER NECK ROAD

FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD

SUBDIVISION: BACK RIVER NECK PROP. 24" WATER MAIN PLAN (STA. 16+00 TO STA. 22+50) ELECTION DIST. NO.: 15C7

Contract No. 23186 WXO
Addendum No. 3
March 13, 2026

SHEET DESIGNATION	CONTRACT NUMBER
WATER SH 6 OF 18	23186-WXO
JOB ORDER NUMBER	231-203-0067-0783
SHEET 6 OF 44	DRAWING NUMBER
2023-2709	FILE NO.:

EXISTING TEST PITS						
TEST PIT NO.	NORTHING	EASTING	GROUND ELEV.	UTILITY	COVER	TOP ELEV.
8	597872.07	1469830.31	37.48	12" W	5.78	31.70
9	597676.62	1469976.88	36.68	12" W	5.20	31.18
10	597615.65	1469995.06	35.22	16" W	5.78	29.44
36	597995.54	1469687.26	35.53	8" W	5.36	30.17
37	597887.95	1469837.28	37.11	6" G	3.00	34.11

CONNECT TO EX. F.H. 300' FURTHER DOWN AND ADD TEMPORARY FEED F.H.

PARTIALLY BURY 4-INCH TEMPORARY BYPASS PIPE AT ALL SIDE STREET AND DRIVEWAY ENTRANCES PER DETAIL IN SECTION 373 OF THE SPECIAL PROVISIONS

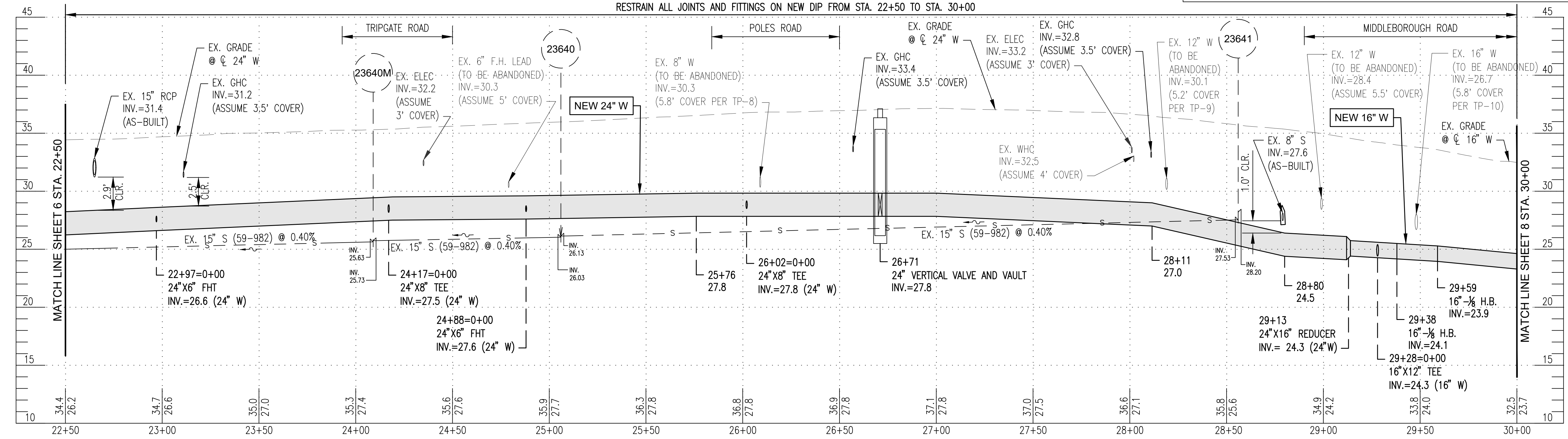
PARTIALLY BURY 8-INCH TEMPORARY BYPASS PIPE AT ALL SIDE STREET AND DRIVEWAY ENTRANCES PER DETAIL IN SECTION 373 OF THE SPECIAL PROVISIONS

PARTIALLY BURY 8-INCH TEMPORARY BYPASS PIPE AT ALL SIDE STREET AND DRIVEWAY ENTRANCES PER DETAIL IN SECTION 373 OF THE SPECIAL PROVISIONS

QUANTITY	DESCRIPTION	SIZE
1 EA.	CAP	6"
4 EA.	CAP	8"
2 EA.	CAP	24"
28 L.F.	DUCTILE IRON PIPE	6"
1 EA.	TAPPING SLEEVE	8"X6"
1 EA.	VALVE AND VAULT	6"
1 EA.	FIRE HYDRANT	-

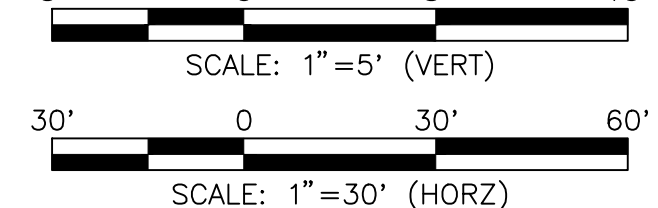
PLAN - 24"/16" WATER MAIN REPLACEMENT - STA. 22+50 TO STA. 30+00

SCALE: 1"=30'



PROFILE OF 24"/16" W - STA. 22+50 TO STA. 30+00

SCALE: 1"=30' HORIZ. 1"=5' VERT.



VERTICAL CONTROL		
BM 'P'		
BOX CUT TO @ END OF SIDEWALK		
ELEV.=36.24		

HORIZONTAL CONTROL		
TRAVERSE POINT	NORTHING	EASTING
113	598057.99	1469744.78

WATER STAKEOUT TABLE BACK RIVER NECK ROAD 24" W/16" W		
STATION	NORTHING	EASTING
22+97 (24"X6" F.H.T.)	598125.17	1469648.94
24+17 (24"X8" TEE)	598026.89	1469717.12
24+88 (24"X6" F.H.T.)	597968.41	1469757.69
26+02 (24"X8" TEE)	597874.73	1469822.68
26+71 (24" VALVE AND VAULT)	597818.61	1469861.62
27+02 (PC)	597792.77	1469879.54
27+21 (PT)	597776.73	1469891.27
27+56 (PC)	597749.63	1469912.09
27+70 (PT)	597738.76	1469920.15
29+13 (24"X16" REDUCER)	597622.18	1470003.60
29+28 (16"X12" TEE)	597609.79	1470012.46
29+38 (16"-1/8 HORZ. BEND)	597602.20	1470017.90
29+59 (16"-1/8 HORZ. BEND)	597581.16	1470015.16

WATER STAKEOUT TABLE POLES ROAD 8" W		
STATION	NORTHING	EASTING
0+00 (8"X8" TEE)	597874.73	1469822.68
0+03 (8" VALVE AND VAULT)	597876.44	1469825.33
0+08 (8"-1/16 LOWER VERT. BEND)	597879.33	1469829.23
0+11 (8"-1/16 UPPER VERT. BEND)	597881.12	1469831.89
0+25 (8"-1/8 HORZ. BEND)	597888.79	1469842.93
0+33 (WYE)	597887.53	1469851.59

WATER STAKEOUT TABLE TRIPGATE ROAD 8" W		
STATION	NORTHING	EASTING
0+00 (24"X8" TEE)	598026.89	1469717.12
0+03 (8" VALVE AND VAULT)	598025.19	1469714.67
0+19 (8"-1/8 HORZ. BEND)	598016.13	1469701.60
0+24 (8"-1/32 LOWER VERT. BEND)	598011.21	1469700.71
0+29 (8"-1/32 UPPER VERT. BEND)	598006.29	1469699.82
0+32 (WYE)	598003.72	1469699.36

WATER STAKEOUT TABLE MIDDLEBOROUGH ROAD 12" W (16" W STA. 29+28)		
STATION	NORTHING	EASTING
0+00 (16"X12" TEE)	597609.79	1470012.46
0+03 (12" VALVE AND VAULT)	597611.61	1470014.86
0+16 (12"-1/8 LOWER VERT. BEND)	597619.55	1470025.15
0+20 (12"-1/8 UPPER VERT. BEND)	597621.63	1470027.85
0+27 (12"-1/16 HORZ. BEND)	597626.27	1470033.88
0+42 (WYE)	597630.10	1470048.05

- ABANDONING NOTES**
- ABANDON APPROX. 750 L.F. OF EX. 24" W/16" W IN PLACE ALONG BACK RIVER NECK ROAD RIGHT OF 24" W/16" W STA. 22+50 TO STA. 30+00 (AS NOTED X).
 - ABANDON APPROX. 700 L.F. OF EX. 12" W IN PLACE ALONG BACK RIVER NECK ROAD LEFT/RIGHT OF 24" W STA. 22+50 TO STA. 30+00 (AS NOTED X).
 - ABANDON APPROX. 37 L.F. OF EX. 8" W IN PLACE ALONG TRIPGATE ROAD LEFT OF 8" W STA. 0+00 TO STA. 0+64 (AS NOTED X).
 - ABANDON APPROX. 37 L.F. OF EX. 8" W IN PLACE ALONG POLES ROAD RIGHT OF 8" W STA. 0+00 TO STA. 0+33 (AS NOTED X). ABANDON APPROX. 38 L.F. OF EX. 12" W IN PLACE ALONG MIDDLEBOROUGH ROAD LEFT OF 12" W STA. 0+00 TO STA. 0+57 (AS NOTED X).

- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 24" W/16" W FROM STA. 22+50 TO STA. 30+00
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 8" W FROM STA. 0+00 TO STA. 0+33
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 8" W FROM STA. 0+00 TO STA. 0+32
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 12" W FROM STA. 0+00 TO STA. 0+42

CITY OF BALTIMORE	REVISION - CITY OF BALTIMORE
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	

PROFESSIONAL CERTIFICATION	REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE	DPW & TRANSPORTATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20615 EXPIRATION DATE 10/21/26					I-SE	4NE33	PLAN SCALE: 1"=30' PROFILE SCALE: 1"=5'	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
ENGINEER: SHAWN BURNETT THE WILSON T. BALLARD CO.	DESIGN BY: DS	BUREAU OF ENGINEERING AND CONSTRUCTION	BUILDINGS	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER
AS-BUILT PER RECORD PRINT	DRAWN BY: TL	REVIEWED BY:						
BY: DATE:	CHKD BY: SB	DATE REVIEWED:						

SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
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BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION

24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3

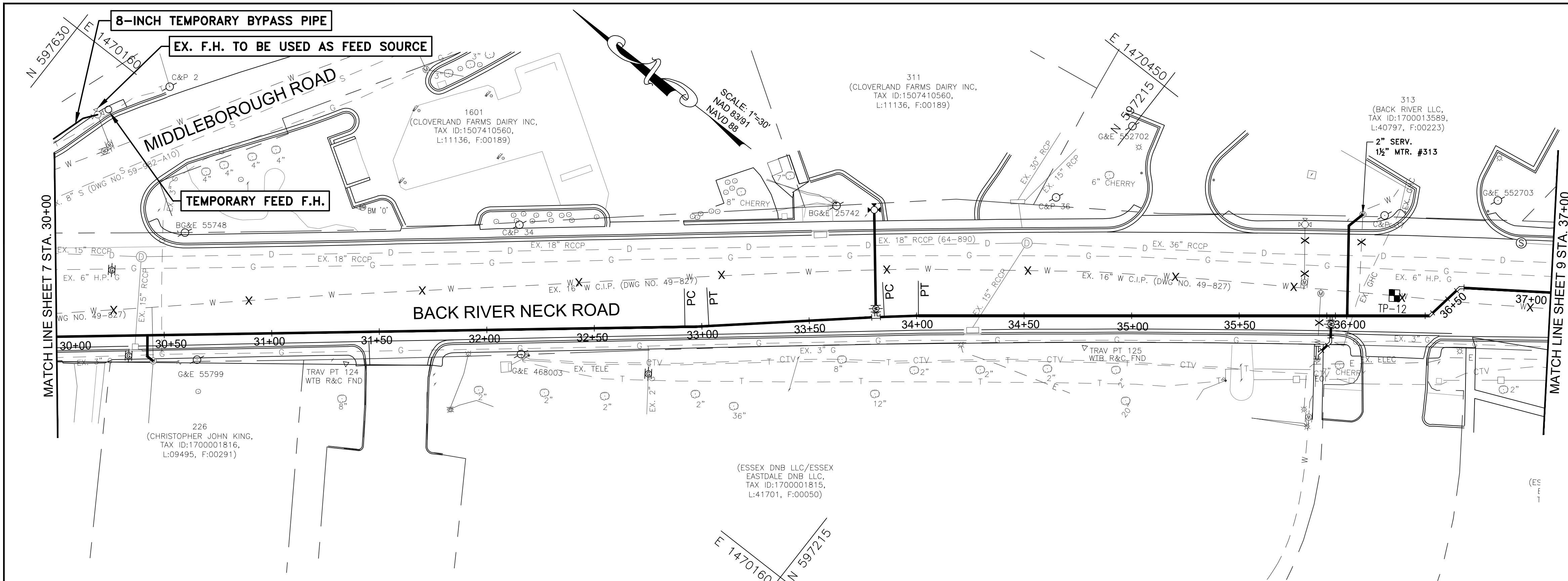
BACK RIVER NECK ROAD

FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD

SUBDIVISION: BACK RIVER NECK PROP. 24"/16" WATER MAIN PLAN (STA. 22+50 TO STA. 30+00) ELECTION DIST. NO.: 15C7

Contract No. 23186 WX0
Addendum No. 3
March 13, 2026

SHEET DESIGNATION	CONTRACT NUMBER
WATER SH 7 OF 18	23186-WX0
JOB ORDER NUMBER	231-203-0067-0783
SHEET 7 OF 44	
DRAWING NUMBER	2023-2710
FILE NO.:	



PLAN - 16" WATER MAIN REPLACEMENT - STA. 30+00 TO STA. 37+00
SCALE: 1"=30'

EXISTING TEST PITS						
TEST PIT NO.	NORTHING	EASTING	GROUND ELEV.	UTILITY	COVER	TOP ELEV.
12	597070.70	1470439.03	24.93	16" W	5.61	19.32

WATER STAKEOUT TABLE BACK RIVER NECK ROAD 16" W		
STATION	NORTHING	EASTING
32+92 (PC)	597321.74	1470224.51
33+03 (PT)	597313.22	1470231.65
33+81 (16"x6" F.H.T.)	597254.51	1470282.73
33+85 (PC)	597251.58	1470285.28
34+01 (PT)	597239.34	1470295.37
35+93 (16"x6" TEE)	597088.10	1470413.52
36+38 (16"-1/8" HORZ. BEND)	597052.06	1470441.67
36+58 (16"-1/8" HORZ. BEND)	597049.06	1470460.63

HORIZONTAL CONTROL		
TRAVERSE POINT	NORTHING	EASTING
124	597435.37	1470113.95
125	597169.37	1470331.31

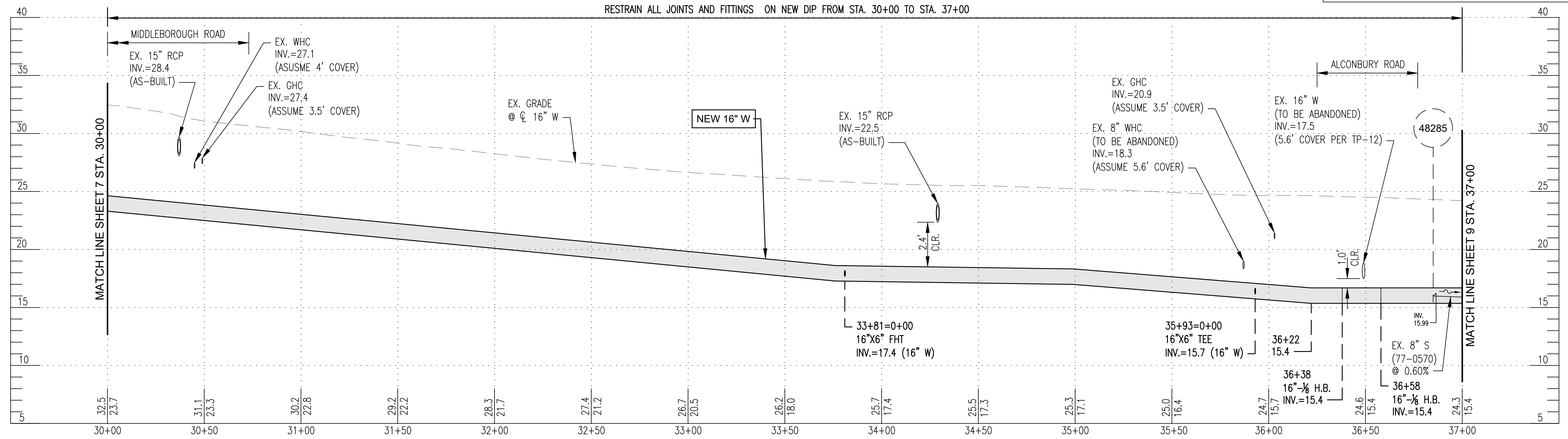
WATER STAKEOUT TABLE 6" WHC STA. 35+93		
STATION	NORTHING	EASTING
0+00 (16"x6" TEE)	597088.10	1470413.52
0+03 (6" VALVE AND VAULT)	597086.29	1470411.13
0+06 (6"-1/16" LOWER VERT. BEND)	597084.50	1470408.72
0+09 (6"-1/16" UPPER VERT. BEND)	597083.00	1470406.72
0+12 (6"-1/8" HORZ. BEND)	597080.70	1470403.66
0+21 (WYE)	597082.06	1470395.23

- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 16" W FROM STA. 30+00 TO STA. 37+00
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 6" W FROM STA. 0+00 TO STA. 0+25

VERTICAL CONTROL	
BM '0'	
BOX CUT TC @ CORNER OF ROYAL FARMS DUMPSTER	
ELEV.=31.22	

- ABANDONING NOTES**
- ABANDON APPROX. 700 L.F. OF EX. 16" W IN PLACE ALONG BACK RIVER NECK ROAD RIGHT OF 16" W STA. 30+00 TO STA. 37+00 (AS NOTED X).
 - ABANDON APPROX. 30 L.F. OF EX. 6" WHC IN PLACE ALONG BACK RIVER NECK ROAD 24" W STA. 36+03 RIGHT OF 6" WHC STA. 0+00 TO STA. 0+26 (AS NOTED X).

BILL OF MATERIALS		
QUANTITY	DESCRIPTION	SIZE
700 L.F.	DUCTILE IRON PIPE	16"
68 L.F.	DUCTILE IRON PIPE	6"
50 L.F.	COPPER	2"
13 L.F.	COPPER	3/4"
1 EA.	TAP AND CORP STOP	3/4"
1 EA.	TAP AND CORP STOP	2"
2 EA.	1/8" BEND	16"
3 EA.	1/8" BEND	6"
2 EA.	TEE	16"x6"
2 EA.	VALVE AND VAULT	6"
1 EA.	FIRE HYDRANT	-
1 EA.	WYE	6"x6"
1 EA.	CAP	6"
1 EA.	PLUG	6"
1 EA.	SLEEVE	6"
1 EA.	SPACER	6"



PROFILE OF 16" W - STA. 30+00 TO STA. 37+00
SCALE: 1"=30' HORZ. 1"=5' VERT.

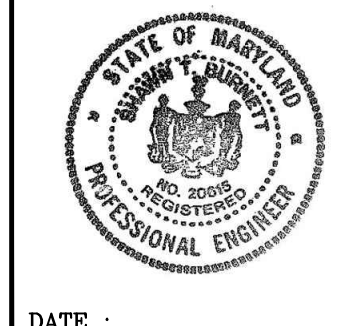
CITY OF BALTIMORE	REVISION - CITY OF BALTIMORE
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	

SEAL	PROFESSIONAL CERTIFICATION		REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SH#	DRAWING SCALE	DPW & TRANSPORTATION
	ENGINEER: SHAWN BURNETT THE WILSON T. BALLARD CO.	DESIGN BY: DS								
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20615, EXPIRATION DATE 10/21/26						I-SE	3NE33 4NE33	PLAN SCALE: 1"=30' PROFILE SCALE: 1"=5'	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
	AS-BUILT PER RECORD PRINT	DRAWN BY: TL								
	BY: DATE:	CHKD BY: SB								

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION
24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3
BACK RIVER NECK ROAD
FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD
SUBDIVISION: BACK RIVER NECK PROP. 16" WATER MAIN PLAN (STA. 30+00 TO STA. 37+00) ELECTION DIST. NO.:15C7

CONTRACT COMPLETION BOX	
CONTRACTOR:	
DATE COMPLETED:	
INSPECTOR:	
PIPE MATERIAL:	
CATHODIC PROTECTION SYSTEM METHOD (POTABLE WATER ONLY):	
<input type="checkbox"/> BONDED COATED PIPE	PIPE DIAMETER(S):
<input type="checkbox"/> N/A - ZINC COATED PIPE	PIPE DIAMETER(S):
<input type="checkbox"/> WITH POLYETHYLENE ENCASUREMENT	PIPE DIAMETER(S):
<input type="checkbox"/> OTHER (SPECIFY):	PIPE DIAMETER(S):

SHEET DESIGNATION	CONTRACT NUMBER
WATER SH 6 OF 6	23186-WX0
JOB ORDER NUMBER	231-203-0067-0783
SHEET 8 OF 44	
DRAWING NUMBER	2023-2711
FILE NO.:	



SECTION - IV
PROPOSAL

DESCRIPTION OF WORK

Bid Opening via Teleconference WebEx Tuesday, April 28, 2026 at 10:30 a.m. EST
via WebEx Phone Number 1-415-655-0001, Access Code Number 2313 323 2169##.

Begin Work Within Fifteen (15) Days After NOTICE TO PROCEED

Working Days for Completion: FOUR HUNDRED (400)

Liquidated and Other Damages: FIVE HUNDRED (\$500.00) PER WORKING DAY

Cost Group "F (\$5,000,001 to \$10,000,000)" (Prequalified contractors with a Cost Group restriction must bid within the dollar amount stated on their Certificate of Prequalification).

Work Classification: F-2

TO BALTIMORE COUNTY, MARYLAND: The work to be completed under this Contract includes all labor, materials, and equipment necessary to furnish and install various diameter ductile iron water mains along Back River Neck Road from Homberg Avenue to Hyde Park Road. Essex – District 15c7.

The following listed Drawing Number(s) are collectively the "Drawings", and are hereby incorporated in the Contract.

Job Order Number
231-203-0067-0783

Workday Number
PROJ-10000520

Drawing Number(s)
2023-2704 through 2023-2747

A pre-bid meeting will be held on Wednesday, April 1, 2026 at 10:00 a.m. EST via WebEx. *Phone-In (Audio Only)* – 1-415-655-0001, Meeting Number 2301 408 7977## *Video Conference* – Meeting Number 2301 408 7977##, Password **ZVw7PwnKC43, go to <https://signin.webex.com/join>, or for the WebEx link go to www.baltimorecountymd.gov/departments/public-works/engineering/contracts/current-solicitations**

Last day for questions will be Friday, April 10, 2026 at 4:00 p.m. EST. Questions should be emailed to Pawan Poudel at ppoudel@baltimorecountymd.gov and Barb Wentworth at bwentworth@baltimorecountymd.gov.

NOTE: No successful bidder may withdraw their bid within NINETY (90) days after the opening thereof.

The Contractor hereby declares that it has carefully examined the solicitation, plans and specifications, form of contract, Special Provisions and Drawings (collectively the "Contract Documents"). The Contractor also hereby declares that it has carefully examined the September 2023 "Standard Specifications for Construction and Materials" and "Standard Details for Construction", collectively the "Applicable County Law" and any and all Department of Public Works and Transportation revisions thereto as of the date of advertisement. The Contract Documents, the Applicable County Law and the Department of Public Works and Transportation revisions thereto are collectively the "Specifications" and are incorporated herein. Copies of any and all Department of Public Works and Transportation revisions including but not limited to the General Conditions Building Projects, are available online at www.baltimorecountymd.gov/departments/public-works/standards. Also, the Contractor has, to its satisfaction, examined the locality of the proposed work and agrees to furnish all labor, tools, materials, machinery, equipment, and other means of construction called for in the manner provided in the Specifications for the prices shown on the next page(s) and as evidenced by Contractor's signature on the last page thereof.

SCHEDULE OF PRICES

NOTE: The Bidder shall fill out this Proposal, write in the unit prices in clear numerals, and make the extensions.

For complete information concerning these items, see Specifications and contract forms.

Contract No. 23186 WX0
Addendum No. 3
Revised, March 13, 2026

CONTRACT PROPOSAL

BACK RIVER NECK ROAD 16" AND 24" WATER MAIN REPLACEMENT - PHASE 3

CONTRACT NUMBER: 23186-WX0

WORKDAY NUMBER: 10000520

JOB ORDER NUMBER: 231-203-0067-0783

WORKING DAYS: 400

CONTRACTOR: _____
ADDRESS: _____
PHONE: _____

BID ITEM	COMM. CODE	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL AMOUNT
1	130850	MOBILIZATION	LS	1		\$
2	120500	MAINTENANCE OF TRAFFIC	LS	1		\$
3	WRITE-IN	INLET PROTECTION - CURB	EA	35		\$
4	704345	PLACING FURNISHED TOPSOIL 4 INCH DEPTH	SY	48		\$
5	707301	SEEDING	SY	48		\$
6	WRITE-IN	TEMPORARY MULCHING	SY	48		\$
7	130840	CONSTRUCTION STAKEOUT	LS	1		\$
8	800010	F TEST PIT EXCAVATION / CONVENTIONAL EXCAVATION METHODS	CY	300	\$360.00	\$108,000.00
9	110330	ENGINEER'S OFFICE NO.3	LS	1		\$
10	800050	MIX NO. 1 CONCRETE FOR MISCELLANEOUS STRUCTURES	CY	8		\$
11		DELETED	0	0		\$

Contract No. 23186 WX0
Addendum No. 3
Revised, March 13, 2026

12	863060	6 INCH DUCTILE IRON PIPE AND FITTINGS - CLASS 54	LF	496		\$
13	863080	8 INCH DUCTILE IRON PIPE AND FITTINGS - CLASS 54	LF	480		\$
14	863120	12 INCH DUCTILE IRON PIPE AND FITTINGS - CLASS 54	LF	169		\$
15	863160	16 INCH DUCTILE IRON PIPE AND FITTINGS - CLASS 54	LF	2,325		\$
16	863240	24 INCH DUCTILE IRON PIPE AND FITTINGS - CLASS 54	LF	2,913		\$
17	847060	6" FIRE HYDRANT / FURNISH AND INSTALL	EA	11		\$
18		DELETED	0	0		\$
19	836060	6 INCH VALVE AND VAULT - VERTICAL	EA	12		\$
20	836080	8 INCH VALVE AND VAULT - VERTICAL	EA	10		\$
21	836120	12 INCH VALVE AND VAULT - VERTICAL	EA	3		\$
22	836160	16 INCH VALVE AND VAULT - VERTICAL	EA	1		\$
23	836230	24 INCH VALVE AND VAULT - VERTICAL	EA	2		\$
24	842010	3/4 IN. WATER SERVICE TAP AND CORPORATION	EA	38		\$
25	843010	3/4 IN. COPPER WATER SERVICE AND FITTINGS	LF	1,020		\$
26	842020	1 IN. WATER SERVICE TAP AND CORPORATION	EA	5		\$
27	843020	1 IN. COPPER WATER SERVICE AND FITTINGS	LF	125		\$
28	842030	1-1/2 IN. WATER SERVICE TAP AND CORPORATION	EA	3		\$
29	843030	1-1/2 IN. COPPER WATER SERVICE AND FITTINGS	LF	81		\$
30	842040	2 IN. WATER SERVICE TAP AND CORPORATION	EA	4		\$

31	843040		2 IN. COPPER WATER SERVICE AND FITTINGS	LF	149		\$
32			DELETED	0	0		\$
33	WRITE-IN	C	REPLACEMENT OF WATER METER SETTING (ALL SIZES) (CONTINGENT ITEM)	EA	8		\$
34	WRITE-IN	C	REPLACEMENT OF WATER METER FRAME, COVER, AND VAULT (ALL SIZES) (CONTINGENT ITEM)	EA	8		\$
35			DELETED			\$0.00	\$0.00
36	120561		HOT MIX ASPHALT STAGE 1 FOR TEMPORARY TRENCH REPAIR @ 3" DEPTH	TON	930		\$
37	120562		HOT MIX ASPHALT STAGE 2 FOR PERMANENT TRENCH REPAIR	TON	2,500		\$
38	210011		REMOVE AND REPLACE EXISTING CURB AND GUTTER	LF	305		\$
39	210021		REMOVE AND REPLACE EXISTING CONCRETE SIDEWALK	SF	720		\$
40	WRITE-IN	C	GEOTEXTILE CLASS SE (CONTINGENT ITEM)	SY	8,000		\$
41	WRITE-IN	C	GEOTEXTILE CLASS ST (CONTINGENT ITEM)	SY	8,000		\$
42	800060	F	BORROW FOR BACKFILLING TRENCHES W/PROPER OFFSITE DISPOSAL OF UNSUITABLE MATERIAL (FIXED PRICE CONTINGENT ITEM)	CY	9,000	\$80.00	\$720,000.00
43	800020	F	CLASS 3 EXCAVATION W/SELECT BACKFILL & PROPER OFFSITE DISPOSAL OF UNSUITABLE MATERIAL (FIXED PRICE CONTINGENT ITEM)	CY	300	\$130.00	\$39,000.00
44	Write In	C	TRENCH ROCK EXCAVATION WITH PROPER DISPOSAL (CONTINGENT ITEM)	CY	250		\$
45	WRITE-IN		GAB FOR TRENCH REPAIR	TON	4,000		\$
46	530164		MILLING ASPHALT PAVING MINIMUM 2"	SY	27,319		\$
47	585240		5 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS	LF	3,290		\$
48	585210		5 INCH SOLID YELLOW THERMOPLASTIC PAVEMENT MARKINGS	LF	11,565		\$
49	585286		16 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS FOR CROSS HATCH	LF	775		\$

50	585292		24 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS FOR STOP BARS	LF	235		\$
51	WRITE-IN		THERMOPLASTIC PAVEMENT MARKINGS AND LEGENDS AND SYMBOLS	SF	140		\$
52	WRITE-IN	C	PITCHER FILTER WITH SIX MONTHS OF REPLACEMENT CARTRIDGES	EA	5		\$
53	WRITE-IN	C	FURNISH AND INSTALL ADDITIONAL 16" MJ RESTRAINED DUCTILE IRON 1/8 BENDS	EA	8		\$
54	WRITE-IN	C	FURNISH AND INSTALL ADDITIONAL 24" MJ RESTRAINED DUCTILE IRON 1/8 BENDS	EA	8		\$
55	WRITE-IN		REMOVAL OF 6" FIRE HYDRANT AND CAP AT TEE	EA	3		\$
56	837260		8 INCH X 6 INCH TAPPING SLEEVE, VALVE, AND VAULT	EA	3		
57	WRITE-IN		24 INCH X 6 INCH TAPPING SLEEVE, VALVE, AND VAULT (PCCP)	EA	3		
58	849410		2 INCH TEMPORARY BY-PASS LINES	LF	1,045		
59	846420		4 INCH TEMPORARY BY-PASS LINES	LF	45		
60	849430		6 INCH TEMPORARY BY-PASS LINES	LF	280		
61	WRITE-IN		8 INCH TEMPORARY BY-PASS LINES	LF	3,650		
TOTAL COST FOR CONTRACT							\$

TOTAL COST FOR CONTRACT IN WORDS

OFFICER SIGNATURE

TITLE

**Contract No. 23186 WX0
Addendum No. 3
Revised, March 13, 2026**

Classification	Modification Reason	Basic Hourly Rate	Borrowed From	Fringe Benefit Payment
BRICKLAYER	AD	\$24.00		\$0.00
CARPENTER	AD	\$35.89		\$14.60
CARPENTER - SHORING SCAFFOLD BUILDER	AD	\$35.89		\$14.60
CEMENT MASON	AD	\$24.00		\$0.00
ELECTRICIAN	AD	\$36.84	003	\$19.62
IRONWORKER - STRUCTURAL	AD	\$37.60		\$27.13
LABORER - AIR TOOL OPERATOR	AD	\$27.59		\$6.91
LABORER - ASPHALT PAVER	AD	\$27.59		\$6.91
LABORER - ASPHALT RAKER	AD	\$23.50		\$3.47
LABORER - BLASTER - DYNAMITE	AD	\$27.59		\$6.91
LABORER - BURNER	AD	\$27.59		\$6.91
LABORER - COMMON	AD	\$23.50		\$3.47
LABORER - CONCRETE PUDDLER	AD	\$23.50		\$3.47
LABORER - CONCRETE SURFACER	AD	\$27.59		\$6.91
LABORER - CONCRETE TENDER	AD	\$23.50		\$3.47
LABORER - CONCRETE VIBRATOR	AD	\$23.50		\$3.47
LABORER - DENSITY GAUGE	AD	\$23.50		\$3.47
LABORER - FIREPROOFER - MIXER	AD	\$23.50		\$3.47
LABORER - FLAGGER	AD	\$23.50		\$3.47
LABORER - GRADE CHECKER	AD	\$23.50		\$3.47
LABORER - HAND ROLLER	AD	\$23.50		\$3.47
LABORER - HAZARDOUS MATERIAL HANDLER	AD	\$27.59		\$6.91
LABORER - JACKHAMMER	AD	\$23.50		\$3.47
LABORER - LANDSCAPING	AD	\$23.50		\$3.47
LABORER - LAYOUT	AD	\$23.50		\$3.47
LABORER - LUTEMAN	AD	\$23.50		\$3.47
LABORER - MASON TENDER	AD	\$27.59		\$6.91
LABORER - MORTAR MIXER	AD	\$23.50		\$3.47
LABORER - PIPELAYER	AD	\$27.59		\$6.91
LABORER - PLASTERER - HANDLER	AD	\$23.50		\$3.47
LABORER - SCAFFOLD BUILDER	AD	\$27.59		\$6.91
LABORER - TAMPER	AD	\$23.50		\$3.47
MILLWRIGHT	AD	\$39.50	003	\$17.52
PAINTER - BRIDGE	AD	\$45.00		\$17.01
PILEDRIVER	AD	\$37.74	510	\$14.73
POWER EQUIPMENT OPERATOR - BACKHOE	AD	\$34.00		\$14.05
POWER EQUIPMENT OPERATOR - BROOM / SWEEPER	AD	\$31.04		\$14.05
POWER EQUIPMENT OPERATOR - BULLDOZER	AD	\$34.00		\$14.05
POWER EQUIPMENT OPERATOR - CONCRETE PUMP	AD	\$34.00		\$14.05
POWER EQUIPMENT OPERATOR - CRANE	AD	\$42.00		\$19.10
POWER EQUIPMENT OPERATOR - DRILL - RIG	AD	\$34.00		\$14.05
POWER EQUIPMENT OPERATOR - EXCAVATOR	AD	\$34.00		\$14.05
POWER EQUIPMENT OPERATOR - FORKLIFT	AD	\$31.04		\$14.05

POWER EQUIPMENT OPERATOR - GRADALL	AD	\$35.00	510	\$14.05
POWER EQUIPMENT OPERATOR - GRADER	AD	\$35.00		\$14.05
POWER EQUIPMENT OPERATOR - LOADER	AD	\$34.00		\$14.05
POWER EQUIPMENT OPERATOR - MECHANIC	AD	\$35.00		\$14.05
POWER EQUIPMENT OPERATOR - MILLING MACHINE	AD	\$22.00		\$0.00
POWER EQUIPMENT OPERATOR - PAVER	AD	\$25.00		\$2.15
POWER EQUIPMENT OPERATOR - ROLLER - ASPHALT	AD	\$20.50		\$4.30
POWER EQUIPMENT OPERATOR - ROLLER - EARTH	AD	\$31.04		\$14.05
POWER EQUIPMENT OPERATOR - SCREED	AD	\$29.23	003	\$16.48
POWER EQUIPMENT OPERATOR - SKID STEER (BOBCAT)	AD	\$31.04		\$14.05
POWER EQUIPMENT OPERATOR-VACUUM TRUCK	AD	\$38.60		\$15.75
STONE MASON	AD	\$45.65	510	\$21.51
TILE & TERRAZZO FINISHER	AD	\$28.85	510	\$12.85
TRUCK DRIVER - DUMP	AD	\$28.43		\$7.84
TRUCK DRIVER - FLATBED	AD	\$21.00		\$0.00
TRUCK DRIVER - LOWBOY	AD	\$24.75	510	\$2.00
TRUCK DRIVER - TACK/TAR TRUCK	AD	\$32.64	003	\$13.91
TRUCK DRIVER - WATER	AD	\$25.00		\$0.00

**Contract No. 23186 WX0
Addendum No. 3
Revised, March 13, 2026**

TOTAL BILL OF MATERIALS		
NO.	DESCRIPTION	SIZE
2913 L.F.	DUCTILE IRON PIPE	24"
2325 L.F.	DUCTILE IRON PIPE	16"
169 L.F.	DUCTILE IRON PIPE	12"
4805 L.F.	DUCTILE IRON PIPE	8"
3293 L.F.	DUCTILE IRON PIPE	6"
149 L.F.	COPPER	2"
81 L.F.	COPPER	1 1/2"
125 L.F.	COPPER	1"
106 L.F.	COPPER	3/4"
37 EA.	TAP AND CORP STOP	3/4"
5 EA.	TAP AND CORP STOP	1"
3 EA.	TAP AND CORP STOP	1 1/2"
4 EA.	TAP AND CORP STOP	2"
9 EA.	1/8 BEND	24"
2 EA.	1/32 BEND	24"
9 EA.	1/8 BEND	16"
4 EA.	1/32 BEND	16"
4 EA.	1/8 BEND	12"
5 EA.	1/16 BEND	12"
27 EA.	1/8 BEND	8"
9 EA.	1/16 BEND	8"
4 EA.	1/32 BEND	8"
8 EA.	1/8 BEND	6"
3 EA.	1/16 BEND	6"
3 EA.	1/8 BEND	4"
3 EA.	1/16 BEND	4"
1 EA.	CROSS	24"X8"
8 EA.	TEE	24"X8"
9 EA.	TEE	24"X6"
3 EA.	TEE	24"X4"
3 EA.	TEE	16"X12"
2 EA.	TEE	16"X8"
4 EA.	TEE	16"X6"
1 EA.	REDUCER	24"X16"
2 EA.	VALVE AND VAULT	24"
1 EA.	VALVE AND VAULT	16"
3 EA.	VALVE AND VAULT	12"
10 EA.	VALVE AND VAULT	8"
15 EA.	VALVE AND VAULT	6"
3 EA.	VALVE AND VAULT	4"
11 EA.	FIRE HYDRANT	-
1 EA.	WYE	24"X24"
1 EA.	WYE	24"X16"
3 EA.	WYE	12"X12"
10 EA.	WYE	8"X8"
4 EA.	WYE	6"X6"
3 EA.	WYE	4"X4"
1 EA.	CAP	24"
3 EA.	CAP	16"
7 EA.	CAP	12"
10 EA.	CAP	8"
4 EA.	CAP	6"
3 EA.	CAP	4"
1 EA.	PLUG	24"
1 EA.	PLUG	16"
3 EA.	PLUG	12"
10 EA.	PLUG	8"
4 EA.	PLUG	6"
3 EA.	PLUG	4"
2 EA.	SLEEVE	24"
2 EA.	SLEEVE	16"
3 EA.	SLEEVE	12"
10 EA.	SLEEVE	8"
4 EA.	SLEEVE	6"
3 EA.	SLEEVE	4"
2 EA.	SPACER	24"
2 EA.	SPACER	16"
3 EA.	SPACER	12"
10 EA.	SPACER	8"
4 EA.	SPACER	6"
3 EA.	SPACER	4"
1 EA.	DIP TO HDPE ADAPTER	12"
1 EA.	DIP TO PCCP ADAPTER	24"
4505 L.F.	TEMPORARY BY-PASS PIPE	4"
1045 L.F.	TEMPORARY BY-PASS PIPE	2"
280 L.F.	TEMPORARY BY-PASS PIPE	6"
3650 L.F.	TEMPORARY BY-PASS PIPE	8"
3 EA.	TAPPING SLEEVE	8"X6"
3 EA.	TAPPING SLEEVE	24"X6"

HORIZONTAL CONTROL			
TRAVERSE POINT	NORTHING	EASTING	
24	596254.62	1471056.41	
25	596826.06	1470855.65	
26	597673.17	1469934.56	
27	598553.06	1469397.57	
28	599127.32	1468913.97	
29	599698.81	1468492.25	
30	600306.56	1468125.45	
40	597090.33	1470922.88	
41	597455.04	1470331.97	
110	596016.49	1471229.18	
111	596625.65	1470721.84	
113	598057.99	1469744.78	
114	598338.86	1469460.88	
115	598865.53	1469105.95	
116	599272.01	1468829.28	
117	599803.18	1468421.37	
118	600094.62	1468318.91	
124	597435.37	1470113.95	
125	597169.37	1470331.31	
127	596694.19	1471383.42	
743	597567.22	1470987.01	
744	597738.85	1471919.80	
745	595447.22	1471577.81	
4 EA.	1/16 BEND	6"	

MOD. NOTES:

- DISINFECTION OF MAINS AND BACTERIOLOGICAL SAMPLING REQUIREMENTS.
 - FOR ALL BALTIMORE COUNTY CAPITAL PROJECTS, WATER TESTING SHALL BE PERFORMED BY BALTIMORE CITY PERSONNEL.
 - THE COMPLETED WATER MAINS SHOULD BE DISINFECTED AND TESTED IN ACCORDANCE WITH THE LATEST VERSION OF AWWA STANDARD C651.
 - AFTER DISINFECTION, A SAMPLE SHALL BE COLLECTED AFTER THE REQUIRED MINIMUM TIME PERIOD. SAMPLES MUST BE COLLECTED BY A STATE-CERTIFIED SAMPLER AND ANALYZED AT A STATE-CERTIFIED LABORATORY. THE SAMPLE RESULTS MUST BE REVIEWED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT WATER SUPPLY PROGRAM, WHICH WILL GIVE AUTHORIZATION TO PLACE THE MAINS INTO SERVICE.
 - A COPY OF THE SAMPLE RESULTS SHALL BE SENT VIA EMAIL TO: GAVIN.COURTRIGHT@MARYLAND.GOV AND WATERSUPPLY.SAMPLERESULTS@MARYLAND.GOV
- NSF NOTE:
 - IN ACCORDANCE WITH CODE OF MARYLAND REGULATIONS (COMAR) 26.04.01.33, DIRECT AND INDIRECT ADDITIVES, SUPPLIERS OF WATER SHALL ONLY USE PRODUCTS (ANY MATERIALS THAT COME IN CONTACT WITH WATER INTENDED FOR USE IN PUBLIC WATER SUPPLY) THAT MEET THE APPLICABLE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) INTERNATIONAL (ANSI/NSF) STANDARDS FOR DIRECT OR INDIRECT DRINKING WATER ADDITIVES. THE PRODUCTS CAN ALSO BE CERTIFIED BY AN ORGANIZATION ACCREDITED BY THE ANSI FOR SUCH TESTING (I.E., INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS RESEARCH AND TESTING, ONTARIO CA, UNDERWRITERS LABORATORY, NORTHBOOK IL, AND WATER QUALITY ASSOCIATION, LISLE IL).
- LEAD-FREE MATERIAL NOTE:
 - IN COMPLIANCE WITH COMAR 09.20.01.03 AND THE SAFE DRINKING WATER ACT (SECTION 1417(A)(4)(B)), MATERIALS THAT COME IN CONTACT WITH WATER INTENDED FOR USE IN PUBLIC WATER SUPPLY SHALL COMPLY WITH THE REDUCTION OF LEAD IN DRINKING WATER ACT, WHICH WENT INTO EFFECT IN MARYLAND IN JANUARY 2021.

BGE UTILITY NOTES:

- DEPICTIONS OF BALTIMORE GAS AND ELECTRIC COMPANY'S (BGE) ELECTRIC AND/OR GAS UTILITIES LOCATED WITHIN THE PROJECT AREA (BGE UTILITY INFORMATION), LOCATIONS, DIMENSIONS, DEPTHS, AND OTHER DETAILS OF ANY SUCH UTILITIES MAY NOT BE AS-BUILT, AND THE INFORMATION SHALL BE REIED UPON WITHOUT FIELD VERIFICATION. EXCAVATORS MUST DEPLOY SAFE DIGGING BEST PRACTICES WHEN APPROACHING BGE ELECTRIC AND GAS UTILITIES AND COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, INCLUDING BUT NOT LIMITED TO THE "MISS UTILITY LAW".
- NO REPRESENTATIVES, GUARANTEES, OR WARRANTIES, EXPRESS OR IMPLIED ARE MADE BY BGE AS TO THE QUALITY, COMPLETENESS, OR ACCURACY OF THE BGE UTILITY INFORMATION, AND IN ACCEPTING THE DOCUMENT, THE RECIPIENT EXPRESSLY ACKNOWLEDGES AND AGREES THAT IT IS NOT RELYING ON THE ACCURACY OF THE SAME.

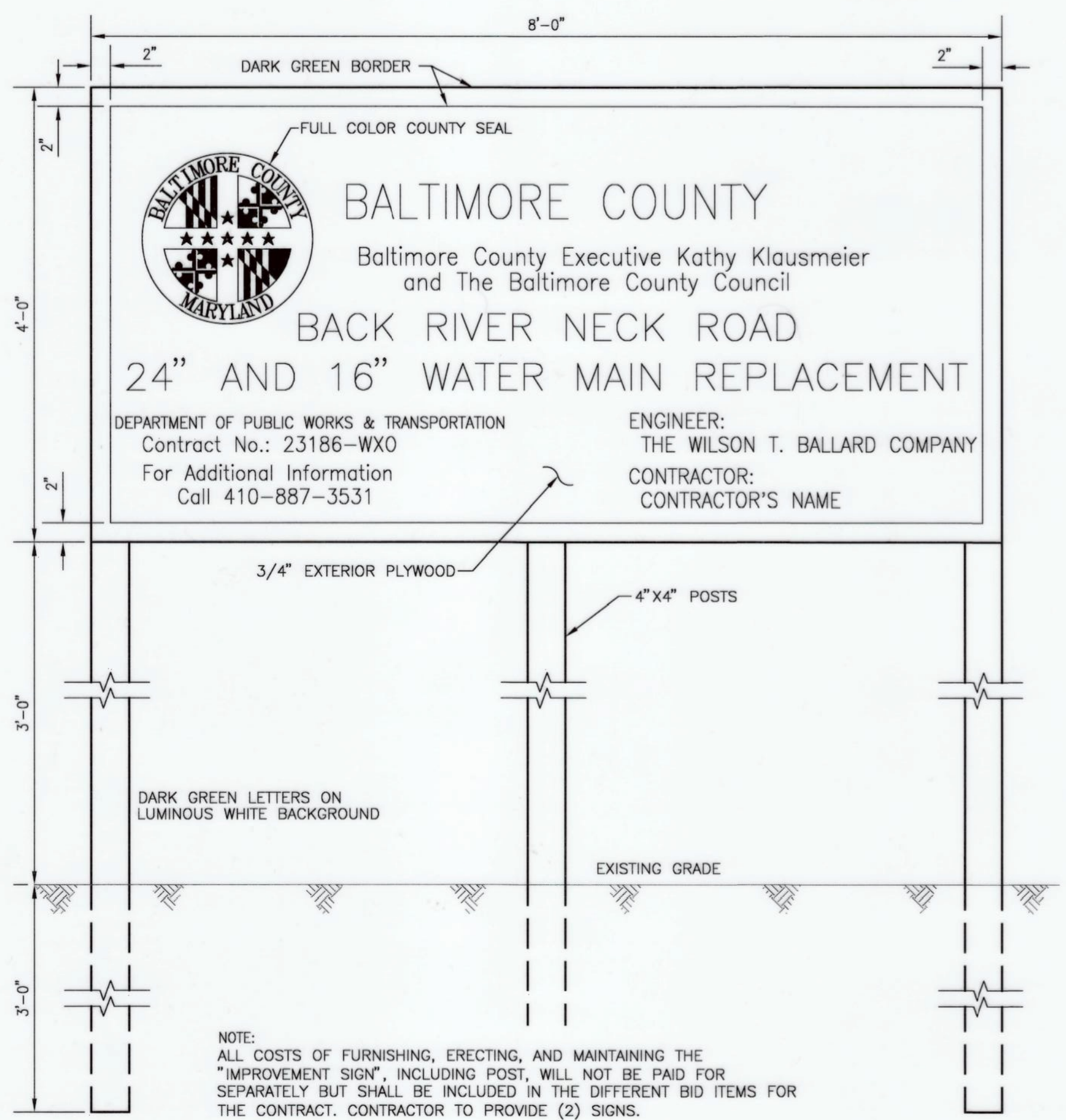
SANITARY NOTES:

- CHLORINATED WATER DISCHARGES TO THE 8-INCH SEWERS LOCATED IN THE AREA WILL BE LIMITED TO A RATE NOT TO EXCEED 50 GALLONS PER MINUTE (GPM).
- FEDERAL REGULATION REQUIRES DOCUMENTATION OF ANY DISCHARGE FROM THE SANITARY SEWER COLLECTION SYSTEM AND THE CAUSE OF THE DISCHARGE. TO MEET THESE REQUIREMENTS, THE DATE, RATE AND DURATION OF CHLORINATED WATER DISCHARGE SHALL BE DOCUMENTED BY THE CONTRACTOR AND/OR INSPECTOR. DOCUMENTATION WILL BE SUBMITTED TO THE SEWER DESIGN SECTION FOLLOWING THE COMPLETION OF ALL CHLORINATED WATER DISCHARGES.
- ALL DISCHARGES WILL BE RESTRICTED TO DRY WEATHER AND NOT LESS THAN 24 HOURS AFTER ANY RAIN EVENT.
- ONE (1) BUSINESS DAY PRIOR TO DISCHARGE OF ANY CHLORINATED WATER TO THE SANITARY SEWER, THE CONTRACTOR SHALL NOTIFY THE SEWER DESIGN SECTION AT 410-887-3781 AND THE BUREAU OF UTILITIES AT 410-887-7415 OF THE EXACT LOCATION OF THE PLANNED DISCHARGE. THIS WILL ALLOW THE REMOVAL, AT THEIR DISCRETION, OF ANY FLOW MONITORING EQUIPMENT LOCATED WITHIN THE SANITARY SYSTEM AND GIVE NOTICE IN THE EVENT OF ANY SEWER BACKUPS OR OVERFLOWS CAUSED BY SUCH DISCHARGES.

EMERGENCY MANAGEMENT NOTES:

- DPW INSPECTORS WILL NOTIFY THE FIRE DEPARTMENT ADMINISTRATIVE DUTY OFFICER (ADO) OF ANY PLANNED WATER OUTAGE. (CONTACT: FIRE_ADO OR 410-307-2052.)
- DPW INSPECTORS WILL NOTIFY BALTIMORE CITY'S 311 OF ANY PLANNED WATER OUTAGE.
- FOR OUTAGES AFFECTING MORE THAN 200 SERVICES AND/OR THAT ARE MORE THAN EIGHT (8) HOURS IN DURATION, CONTRACTORS WILL NOTE IN THEIR PLANS TO NOTIFY THE FIRE DEPARTMENT ADMINISTRATIVE DUTY OFFICER (ADO) AND THE OFFICE OF EMERGENCY MANAGEMENT BY EMAIL AND BY PHONE. (emergencymanagement@baltimorecountymd.gov and 410-887-5996.)

BENCHMARK (VERTICAL CONTROL)				
BENCHMARK	NORTHING	EASTING	ELEVATION	PHYSICAL DESCRIPTION
BM 'M'	596197.55	1471126.06	28.27	BOX CUT TC IN FRONT OF F.H.
BM 'N'	596896.70	1470634.83	24.39	BOX CUT TC @ CORNER OF TRANSFORMER PAD
BM 'O'	597477.57	1470173.62	31.22	BOX CUT TC @ CORNER OF ROYAL FARMS DUMPSTER
BM 'P'	598015.99	1469672.21	36.24	BOX CUT TC @ END OF SIDEWALK
BM 'Q'	598881.94	1469081.34	38.78	BOX CUT TC @ END OF SIDEWALK
BM 'R'	598863.85	1469086.21	30.69	BOX CUT TC
BM 'S'	600003.33	1468296.84	31.32	BOX CUT TC



LEGEND

TP	TEST PIT
PC	PAVEMENT CORE
SB	SOIL BORING
EX. 12" W C.I.P. (DRWG# 400731)	EXISTING WATER MAIN
PROP. 20" W D.I.P.	PROPOSED WATER MAIN
[Symbol]	PROPOSED FIRE HYDRANT
[Symbol]	PROPOSED WATER VALVE & TEE
[Symbol]	PIPE TO BE ABANDONED
[Symbol]	EXISTING ABANDONED MAIN
[Symbol]	EXISTING SANITARY SEWER
[Symbol]	EXISTING SANITARY MANHOLE
[Symbol]	EXISTING STORM DRAIN
[Symbol]	EXISTING STORM DRAIN MANHOLE
[Symbol]	EXISTING ELECTRIC SERVICE
[Symbol]	EXISTING GAS
[Symbol]	EXISTING FIBER OPTIC
[Symbol]	EXISTING TELEPHONE
[Symbol]	EXISTING CABLE TELEVISION
[Symbol]	EXISTING STORM DRAIN INLET
[Symbol]	EXISTING FIRE HYDRANT
[Symbol]	EXISTING GAS VALVE

CONSTRUCTION SITE SIGN
NOT TO SCALE

CITY OF BALTIMORE REVISION - CITY OF BALTIMORE

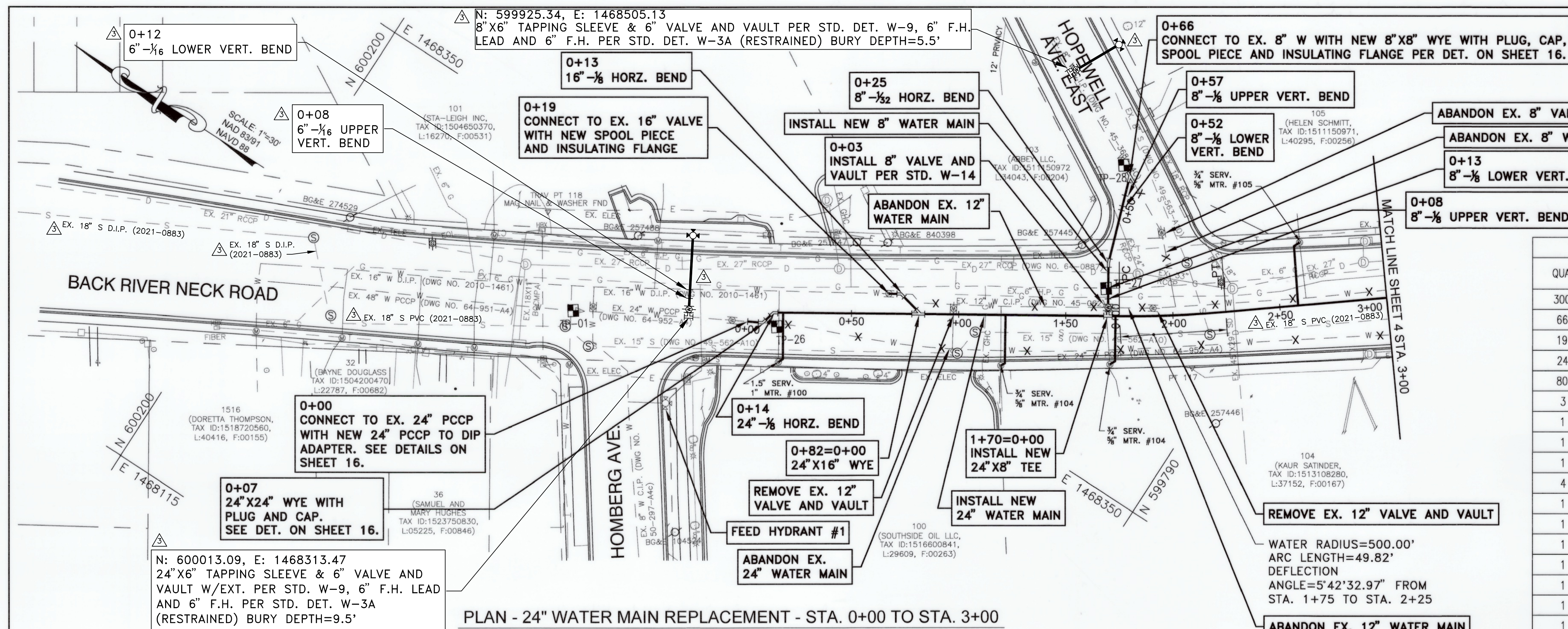
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES

SEAL	PROFESSIONAL CERTIFICATION	REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE	DPW & TRANSPORTATION
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20815, EXPIRATION DATE: 10/21/26 ENGINEER: SHAWN BURNETT THE WILSON T. BALLARD CO. AS-BUILT PER RECORD PRINT BY: DATE:	ADDENDUM 1	WTB	9/24/23				1"=30'	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION 24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3 BACK RIVER NECK ROAD FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD BILL OF MATERIALS, HORZ./VERT. CONTROL, ADDITIONAL NOTES
		ADDENDUM 3	WTB	2/2/26	R.O.W. NO.				
		Contract Completion Box							SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
		BUREAU OF ENGINEERING AND CONSTRUCTION							SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
		BUILDINGS							SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
		HIGHWAYS							SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
		STRUCTURES							SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
		STORM DRAINS							SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
		SEWER							SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
		WATER							SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
		FIELD ENGINEER							SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
		BUR. OF ENGINEERING & CONSTRUCTION							SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES

CONTRACT COMPLETION BOX	
CONTRACTOR:	
DATE COMPLETED:	
INSPECTOR:	
PIPE MATERIAL:	
CATHODIC PROTECTION SYSTEM METHOD (POTABLE WATER ONLY):	
<input type="checkbox"/> BONDED COATED PIPE	PIPE DIAMETER(S):
<input type="checkbox"/> N/A - ZINC COATED PIPE	PIPE DIAMETER(S):
<input type="checkbox"/> WITH POLYETHYLENE ENCASEMENT	PIPE DIAMETER(S):
<input type="checkbox"/> OTHER (SPECIFY):	PIPE DIAMETER(S):

SHEET DESIGNATION	CONTRACT NUMBER
WATER SH 2 OF 18	23186-WX0
	JOB ORDER NUMBER
	231-203-0067-0783
	SHEET 2 OF 44
	DRAWING NUMBER
	2023-2705
	FILE NO.:

DWG. FILENAME: T:\Baltimore County Utilities\800-122.03 Back River Neck Road Phase 3\DWG\SG\N000-BRNR-ADDENDUM 3.dwg



EXISTING TEST PITS						
TEST PIT NO.	NORTHING	EASTING	GROUND ELEV.	UTILITY	COVER	TOP ELEV.
1	592229.13	1474003.25	32.77	48" W	7.17	25.60
26	600059.71	1468286.71	29.53	24" W	6.12	23.41
27	599856.95	1468460.46	26.51	6" G	4.01	22.50
28	599881.19	1468482.67	26.20	8" W	4.37	21.83

WATER STAKEOUT TABLE BACK RIVER NECK ROAD 24" W/16" W		
STATION	NORTHING	EASTING
0+00 (CONNECT TO EX. 24" W)	599988.68	1468326.77
0+07 (WYE)	599982.52	1468330.10
0+14 (24" - 1/8" HORZ. BEND)	599980.79	1468336.75
0+82 (24" X 16" WYE)	599922.92	1468373.45
1+70 (24" X 8" TEE)	599851.22	1468423.29
1+75 (PC)	599844.79	1468422.99
2+25 (PT)	599804.12	1468451.73
2+46 (T.S.&V.)	600013.09	1468313.47

WATER STAKEOUT TABLE HOPEWELL AVENUE EAST 8" W		
STATION	NORTHING	EASTING
0+00 (24" X 8" TEE)	599851.22	1468423.29
0+03 (8" VALVE AND VAULT)	599850.87	1468422.70
0+08 (8" - 1/8" UPPER VERT. BEND)	599853.55	1468426.92
0+13 (8" - 1/8" LOWER VERT. BEND)	599856.23	1468431.14
0+25 (8" - 1/32" HORZ. BEND)	599862.50	1468441.04
0+52 (8" - 1/8" LOWER VERT. BEND)	599871.45	1468466.81
0+57 (8" - 1/8" UPPER VERT. BEND)	599873.74	1468473.42
0+66 (WYE)	599876.19	1468480.47
8" X 6" T.S.&V.	599925.34	1468505.13

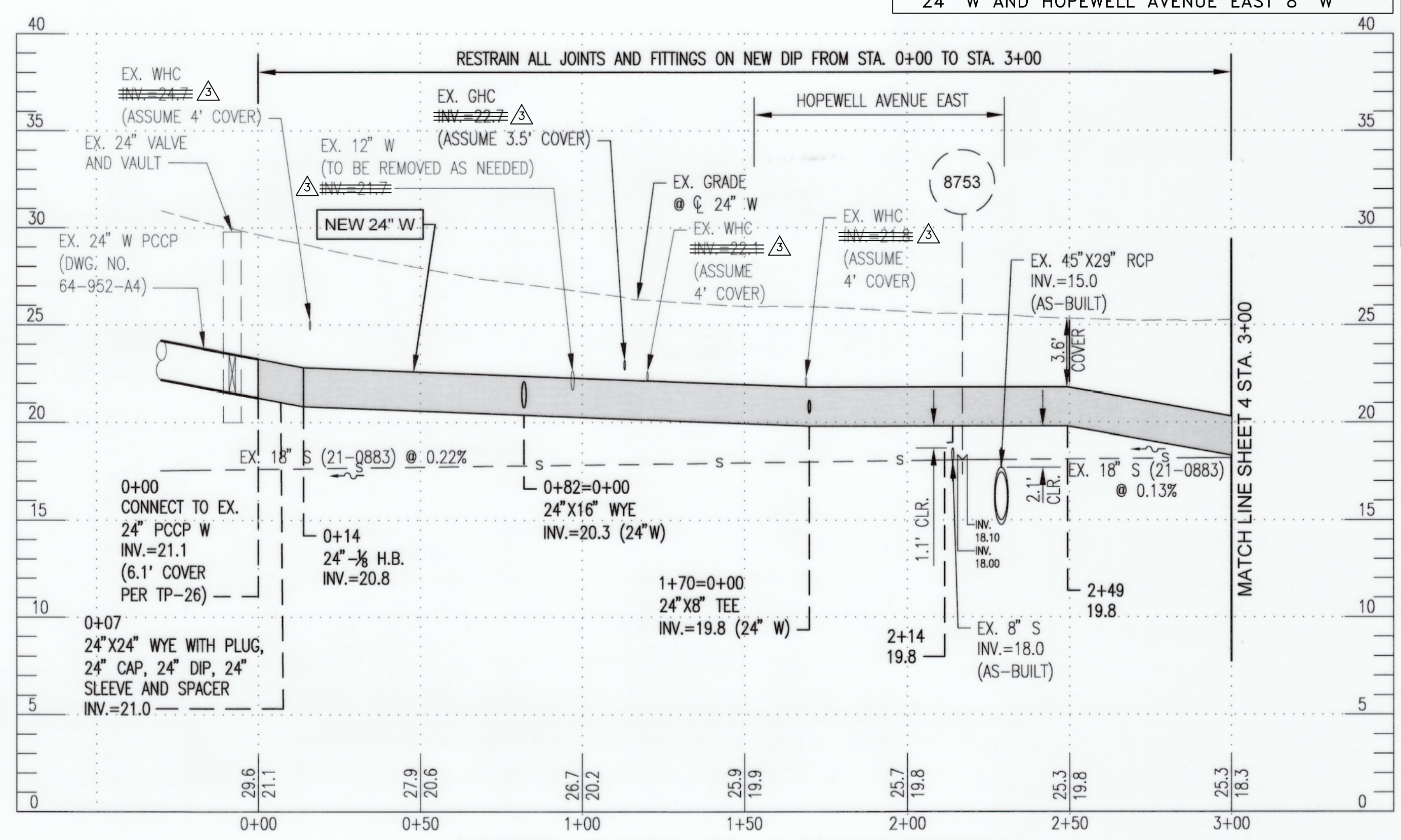
WATER STAKEOUT TABLE (SEE SHEET 4) HOPEWELL AVENUE WEST 8" W		
STATION	NORTHING	EASTING
0+00 (24" X 8" TEE)	599880.86	1468546.36
0+03 (8" VALVE AND VAULT)	599879.01	1468545.99
0+05 (8" - 1/8" LOWER VERT. BEND)	599877.77	1468544.42
0+08 (8" - 1/8" UPPER VERT. BEND)	599875.92	1468542.06
0+39 (8" - 1/16" UPPER VERT. BEND)	599656.80	1468517.67
0+43 (8" - 1/16" LOWER VERT. BEND)	599654.33	1468514.52
0+46 (8" - 1/8" HORZ. BEND)	599652.70	1468512.44
0+57 (WYE)	599653.68	1468501.02

BILL OF MATERIALS		
QUANTITY	DESCRIPTION	SIZE
300 L.F.	DUCTILE IRON PIPE	24"
66 L.F.	DUCTILE IRON PIPE	8"
19 L.F.	DUCTILE IRON PIPE	16"
24 L.F.	COPPER	1 1/2"
80 L.F.	COPPER	3/4"
3 EA.	TAP AND CORP STOP	3/4"
1 EA.	TAP AND CORP STOP	1 1/2"
1 EA.	1/8 BEND	24"
1 EA.	1/8 BEND	16"
4 EA.	1/8 BEND	8"
1 EA.	1/32 BEND	8"
1 EA.	TEE	24" X 8"
1 EA.	VALVE AND VAULT	8"
1 EA.	WYE	24" X 24"
1 EA.	WYE	24" X 16"
1 EA.	WYE	8" X 8"
1 EA.	CAP	24"
1 EA.	CAP	16"
1 EA.	CAP	8"
1 EA.	PLUG	24"
1 EA.	PLUG	16"
1 EA.	PLUG	8"
1 EA.	SLEEVE	24"
1 EA.	SLEEVE	16"
1 EA.	SLEEVE	8"
1 EA.	SPACER	24"
1 EA.	SPACER	16"
1 EA.	SPACER	8"
1 EA.	DIP TO PCCP ADAPTER	24"

WATER STAKEOUT TABLE 16" W INTERCONNECT COORDINATES		
STATION	NORTHING	EASTING
0+00 (24" X 16" WYE)	599922.92	1468373.45
0+13 (16" - 1/8" HORZ. BEND)	599935.73	1468376.31
0+19 (CONNECT TO EX.)	599940.61	1468373.33

VERTICAL CONTROL		
BM 'S'	BOX CUT TC	ELEV.=31.32

HORIZONTAL CONTROL		
TRAVERSE POINT	NORTHING	EASTING
117	599803.18	1468421.37
118	600094.62	1468318.91

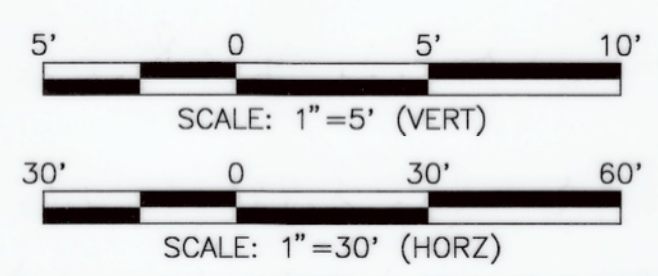


- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 24" W FROM STA. 0+00 TO STA. 3+00
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 8" W FROM STA. 0+00 TO STA. 0+66
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 16" W FROM STA. 0+00 TO STA. 0+19

- SEE SHEET 11 FOR PROFILE OF 8" WATER FOR HOPEWELL AVENUE (EAST)
- SEE SHEET 11 FOR PROFILE OF 16" WATER INTERCONNECT

- ABANDONING NOTES**
- ABANDON APPROX. 295 L.F. OF EX. 24" W IN PLACE ALONG BACK RIVER NECK ROAD RIGHT OF 24" W STA. 0+00 TO STA. 3+00 (AS NOTED X)
 - ABANDON APPROX. 215 L.F. OF EX. 12" W IN PLACE ALONG BACK RIVER NECK ROAD LEFT OF 24" W STA. 0+00 TO STA. 3+00 (AS NOTED X)
 - ABANDON APPROX. 65 L.F. OF EX. 8" W IN PLACE ALONG HOPEWELL AVENUE EAST RIGHT OF 8" W STA. 0+00 TO STA. 0+66 (AS NOTED X)

64 L.F.	DUCTILE IRON PIPE	6"
2 EA.	1/16 BEND	6"
1 EA.	TEE	24" X 6"
1 EA.	TAPPING SLEEVE	8" X 6"
2 EA.	VALVE AND VAULT	6"
2 EA.	FIRE HYDRANT	-



PLAN - 24" WATER MAIN REPLACEMENT - STA. 0+00 TO STA. 3+00

PROFILE OF 24" W - STA. 0+00 TO STA. 3+00

CITY OF BALTIMORE	REVISION - CITY OF BALTIMORE
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	

PROFESSIONAL CERTIFICATION	REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION	SHT	DRAWING SCALE	DPW & TRANSPORTATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20915 EXPIRATION DATE 10/21/26 ENGINEER: SHAWN BURNETT THE WILSON T. BALLARD CO. AS-BUILT PER RECORD PRINT BY: DATE:	ADDENDUM 3	WTB	2/2/26		I-SE	6NE32		PLAN SCALE: 1"=30'	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
	BUREAU OF ENGINEERING AND CONSTRUCTION							PROFILE SCALE: 1"=5' (VERT) 1"=30' (HORIZ)	BUR. OF ENGINEERING & CONSTRUCTION

REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION	SHT	DRAWING SCALE	DPW & TRANSPORTATION
ADDENDUM 3	WTB	2/2/26		I-SE	6NE32		PLAN SCALE: 1"=30'	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
							PROFILE SCALE: 1"=5' (VERT) 1"=30' (HORIZ)	BUR. OF ENGINEERING & CONSTRUCTION

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION

24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3

BACK RIVER NECK ROAD

FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD

PROP. 24" WATER MAIN PLAN (STA. 0+00 TO STA. 3+00)

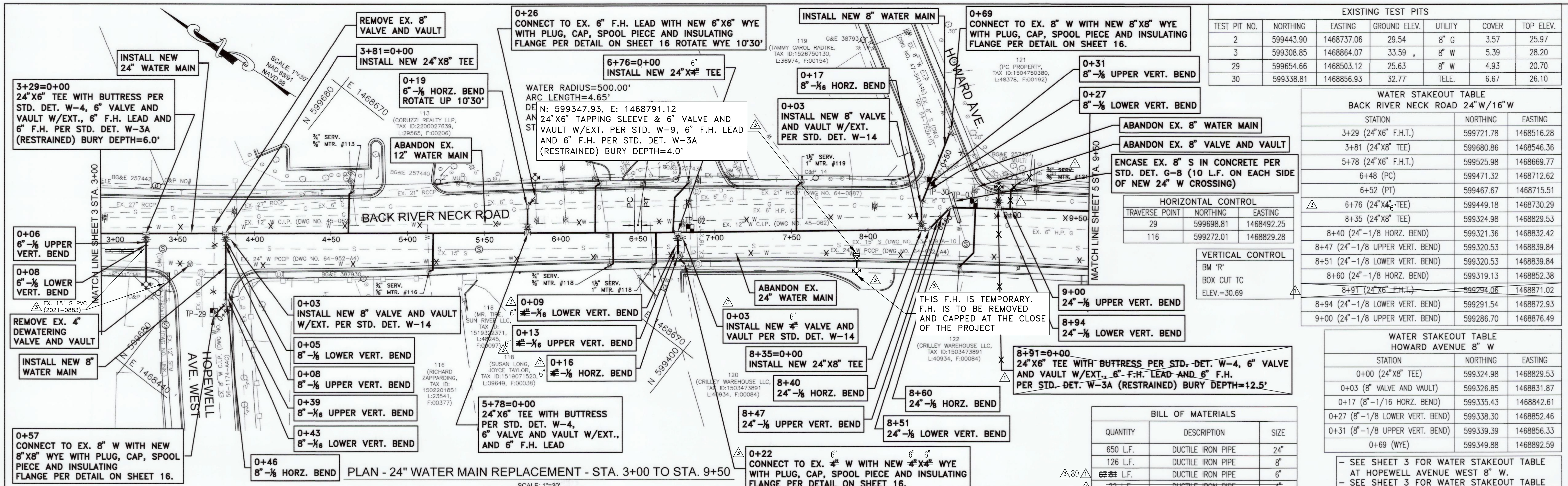
ELECTION DIST. NO.: 15C7

Contract No. 23186 WX0
Addendum No. 3
Revised, March 13, 2026

SHEET DESIGNATION	CONTRACT NUMBER
WATER SH 3 OF 18	23186-WX0

JOB ORDER NUMBER
231-203-0067-0783

SHEET 3 OF 44
DRAWING NUMBER
2023-2706
FILE NO.:



TEST PIT NO.	NORTHING	EASTING	GROUND ELEV.	UTILITY	COVER	TOP ELEV.
2	599443.90	1468737.06	29.54	8" G	3.57	25.97
3	599308.85	1468864.07	33.59	8" W	5.39	28.20
29	599654.66	1468503.12	25.63	8" W	4.93	20.70
30	599338.81	1468856.93	32.77	TELE.	6.67	26.10

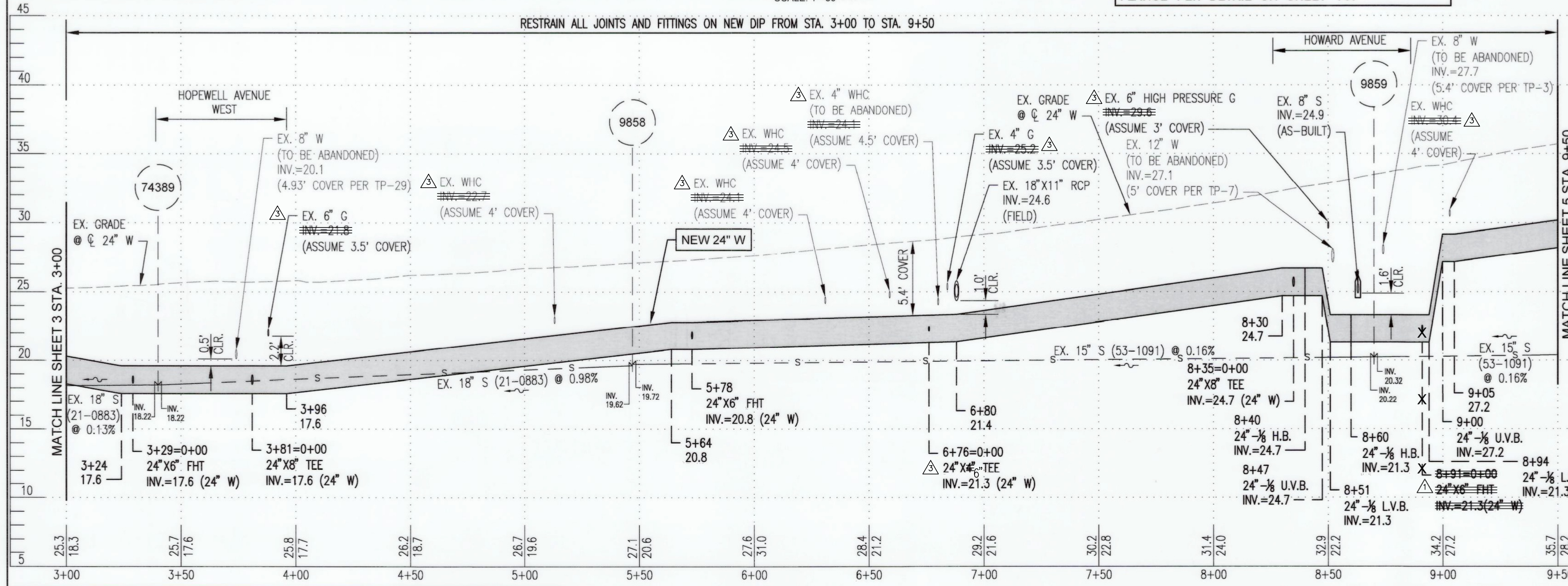
STATION	NORTHING	EASTING
3+29 (24" X 8" F.H.T.)	599721.78	1468516.28
3+81 (24" X 8" TEE)	599680.86	1468546.36
5+78 (24" X 6" F.H.T.)	599525.98	1468669.77
6+48 (PC)	599471.32	1468712.62
6+52 (PT)	599467.67	1468715.51
6+76 (24" X 6" TEE)	599449.18	1468730.29
8+35 (24" X 8" TEE)	599324.98	1468829.53
8+40 (24" -1/8" HORIZ. BEND)	599321.36	1468832.42
8+47 (24" -1/8" HORIZ. BEND)	599320.53	1468839.84
8+51 (24" -1/8" LOWER VERT. BEND)	599320.53	1468839.84
8+60 (24" -1/8" HORIZ. BEND)	599319.13	1468852.38
8+91 (24" X 6" F.H.T.)	599294.06	1468871.02
8+94 (24" -1/8" LOWER VERT. BEND)	599291.54	1468872.93
9+00 (24" -1/8" UPPER VERT. BEND)	599286.70	1468876.49

STATION	NORTHING	EASTING
0+00 (24" X 8" TEE)	599324.98	1468829.53
0+03 (8" VALVE AND VAULT)	599326.85	1468831.87
0+17 (8" -1/16" HORIZ. BEND)	599335.43	1468842.61
0+27 (8" -1/8" LOWER VERT. BEND)	599338.30	1468852.46
0+31 (8" -1/8" UPPER VERT. BEND)	599339.39	1468856.33
0+69 (WYE)	599349.88	1468892.59

QUANTITY	DESCRIPTION	SIZE
650 L.F.	DUCTILE IRON PIPE	24"
126 L.F.	DUCTILE IRON PIPE	8"
22 L.F.	DUCTILE IRON PIPE	6"
67 L.F.	COPPER	2"
57 L.F.	COPPER	1 1/2"
120 L.F.	COPPER	3/4"
4 EA.	TAP AND CORP STOP	3/4"
2 EA.	TAP AND CORP STOP	1 1/2"
2 EA.	TAP AND CORP STOP	2"
6 EA.	1/8 BEND	24"
5 EA.	1/8 BEND	8"
3 EA.	1/16 BEND	8"
4 EA.	1/8 BEND	6"
1 EA.	1/8 BEND	4"
2 EA.	1/16 BEND	4"
2 EA.	TEE	24" X 8"
3 EA.	TEE	24" X 6"
1 EA.	TEE	24" X 4"
2 EA.	VALVE AND VAULT	8"
3 EA.	VALVE AND VAULT	6"
1 EA.	VALVE AND VAULT	4"
1 EA.	FIRE HYDRANT	8" X 8"
2 EA.	WYE	8" X 8"
2 EA.	WYE	6" X 6"
1 EA.	WYE	4" X 4"
2 EA.	CAP	8"
2 EA.	CAP	6"
1 EA.	CAP	4"
2 EA.	PLUG	8"
2 EA.	PLUG	6"
1 EA.	PLUG	4"
2 EA.	SLEEVE	8"
2 EA.	SLEEVE	6"
1 EA.	SLEEVE	4"
2 EA.	SPACER	8"
2 EA.	SPACER	6"
1 EA.	SPACER	4"

- SEE SHEET 3 FOR WATER STAKEOUT TABLE AT HOPEWELL AVENUE WEST 8" W.
- SEE SHEET 3 FOR WATER STAKEOUT TABLE AT 8" WATER SERVICE AT BACK RIVER NECK ROAD 24" W STA. 6+76
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 24" W FROM STA. 3+00 TO STA. 9+50
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 8" W FROM STA. 0+00 TO STA. 0+57
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 8" W FROM STA. 0+00 TO STA. 0+69
- SEE SHEET 11 FOR PROFILE OF 8" WATER FOR HOPEWELL AVENUE (WEST), FOR PROFILE OF 8" WATER SERVICE CONNECTION AT BACK RIVER NECK ROAD 24" W STA. 6+76 AND FOR PROFILE OF 8" WATER FOR HOWARD AVENUE.
- SEE SHEET 11 FOR PROFILE OF 6" WATER FOR PROFILE OF FIRE HYDRANT AT BACK RIVER NECK ROAD 24" W STA. 3+29, STA. 5+78 AND STA. 8+91.

- ABANDONING NOTES**
- ABANDON APPROX. 650 L.F. OF EX. 24" W IN PLACE ALONG BACK RIVER NECK ROAD RIGHT OF 24" W STA. 3+00 TO STA. 9+50 (AS NOTED X).
 - ABANDON APPROX. 650 L.F. OF EX. 12" W IN PLACE ALONG BACK RIVER NECK ROAD LEFT/RIGHT OF 24" W STA. 3+00 TO STA. 9+50 (AS NOTED X).
 - ABANDON APPROX. 58 L.F. OF EX. 8" W IN PLACE ALONG HOPEWELL AVENUE WEST RIGHT OF 8" W STA. 0+00 TO STA. 0+57 (AS NOTED X).
 - ABANDON APPROX. 60 L.F. OF EX. 8" W IN PLACE ALONG HOWARD AVENUE RIGHT OF 8" W STA. 0+00 TO STA. 0+69 (AS NOTED X).



STATION	ELEVATION	DESCRIPTION
3+00	17.6	EX. 18" S (21-0883) @ 0.13%
3+24	17.6	EX. 18" S (21-0883) @ 0.13%
3+29=0+00	17.6	24" X 6" FHT
3+81=0+00	17.6	24" X 8" TEE
4+00	17.7	EX. 18" S (21-0883) @ 0.13%
4+50	18.7	EX. 18" S (21-0883) @ 0.98%
5+00	19.6	EX. 18" S (21-0883) @ 0.98%
5+50	20.6	EX. 18" S (21-0883) @ 0.98%
5+78	20.8	24" X 6" FHT
6+00	21.0	EX. 18" S (21-0883) @ 0.98%
6+50	21.2	EX. 18" S (21-0883) @ 0.98%
6+76=0+00	21.3	24" X 6" TEE
7+00	21.6	EX. 18" S (21-0883) @ 0.98%
7+50	22.8	EX. 15" S (53-1091) @ 0.16%
8+00	24.0	EX. 15" S (53-1091) @ 0.16%
8+35=0+00	24.7	24" X 8" TEE
8+40	24.7	24" -1/8" H.B.
8+47	24.7	24" -1/8" U.V.B.
8+51	21.3	24" -1/8" L.V.B.
8+60	21.3	24" -1/8" H.B.
8+91=0+00	21.3	24" X 6" TEE
8+94	21.3	24" -1/8" L.V.B.
9+00	27.2	EX. 15" S (53-1091) @ 0.16%
9+50	28.2	EX. 15" S (53-1091) @ 0.16%

CITY OF BALTIMORE REVISION - CITY OF BALTIMORE

SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES

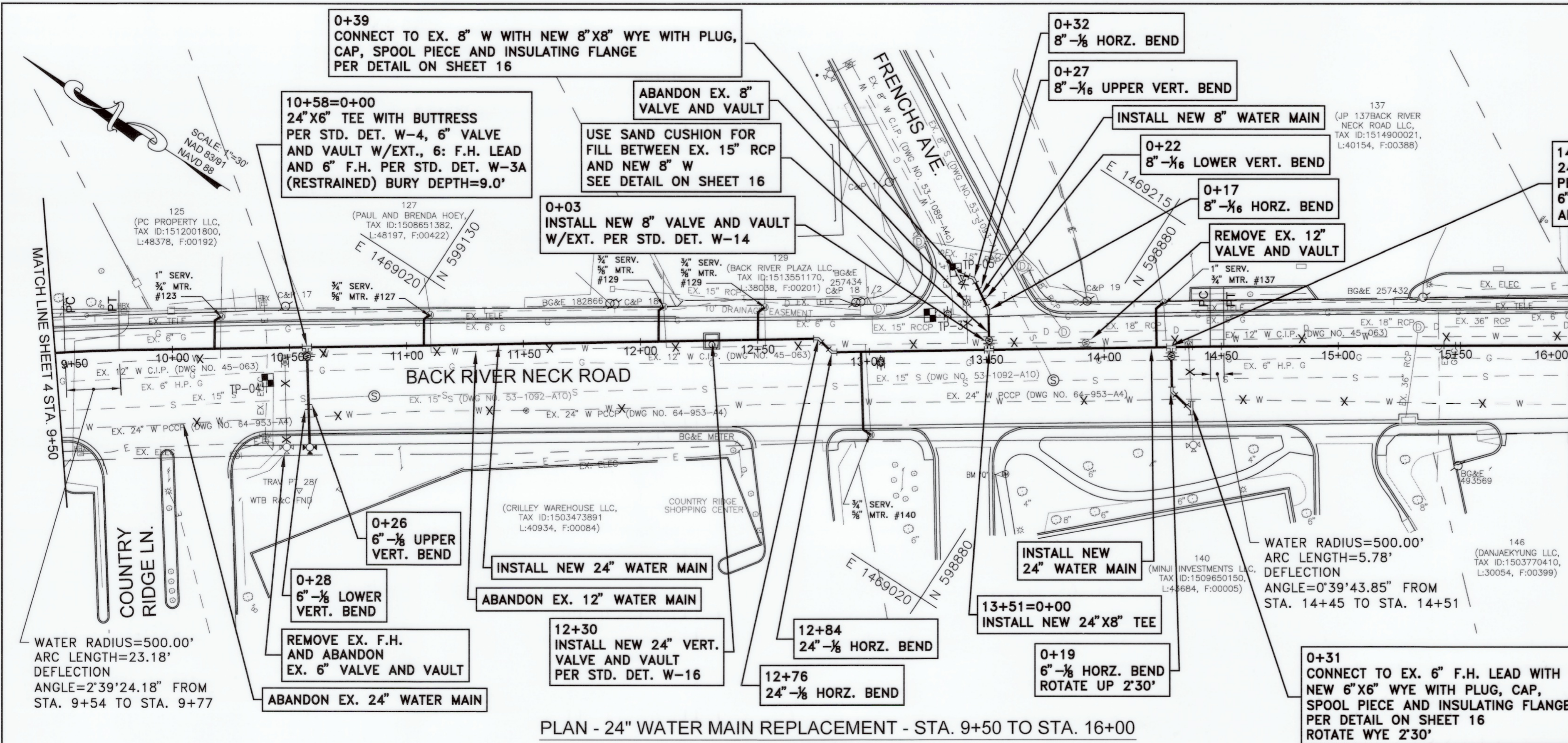
SEAL	PROFESSIONAL CERTIFICATION	REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION	SHT	DRAWING SCALE	DPW & TRANSPORTATION
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20615, EXPIRATION DATE 10/21/28.	ADDENDUM 1	WTB	9/24/25		1-SE	6NE32		PLAN SCALE: 1"=30' PROFILE SCALE: VERT. 1"=5' HORZ. 1"=30'	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
		ADDENDUM 3	WTB	2/2/26		R.O.W. NO.		6NE32		
	DESIGN BY: DS DRAWN BY: TL AS-BUILT PER RECORD PRINT BY: DATE:	REVIEWED BY: CHD BY: SB DATE REVIEWED:	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES			SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES			BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION 24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3 BACK RIVER NECK ROAD FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD PROP. 24" WATER MAIN PLAN (STA. 3+00 TO STA. 9+50) SUBDIVISION: BACK RIVER NECK	

SCALE: 1"=5' (VERT.)
SCALE: 1"=30' (HORZ.)

SHEET DESIGNATION	CONTRACT NUMBER
WATER SH 4 OF 18	23186-WXO
JOB ORDER NUMBER	231-203-0067-0783
SHEET 4 OF 44	
DRAWING NUMBER	2023-2707
FILE NO.	

Contract No. 23186 WXO
Addendum No. 3
Revised, March 13, 2026

ELECTION DIST. NO.: 15C7



PLAN - 24" WATER MAIN REPLACEMENT - STA. 9+50 TO STA. 16+00
SCALE: 1"=30'

EXISTING TEST PITS						
TEST PIT NO.	NORTHING	EASTING	GROUND ELEV.	UTILITY	COVER	TOP ELEV.
4	599164.21	1468946.05	38.05	ELEC	2.76	35.29
5	598942.42	1469146.79	37.14	8" W	N/A	N/A
31	598942.37	1469122.07	37.31	6" G	3.09	34.22

WATER STAKEOUT TABLE BACK RIVER NECK ROAD 24" W/16" W			
STATION	NORTHING	EASTING	
9+54 (PC)	599243.25	1468908.79	
9+77 (PT)	599224.33	1468922.19	
10+58 (24" X6" F.H.T.)	599157.85	1468966.98	
12+30 (24" VALVE AND VAULT)	599014.46	1469063.59	
12+76 (24" -1/8" HORZ. BEND)	598976.78	1469088.98	
12+84 (24" -1/8" HORZ. BEND)	598968.71	1469087.39	
13+51 (24" X8" TEE)	598913.25	1469124.59	
14+29 (24" X6" F.H.T.)	598848.60	1469167.96	
14+45 (PC)	598834.81	1469177.21	
14+51 (PT)	598829.99	1469180.40	

WATER STAKEOUT TABLE FRENCH AVENUE 8" W			
STATION	NORTHING	EASTING	
0+00 (24" X8" TEE)	598913.25	1469124.59	
0+03 (8" VALVE AND VAULT)	598914.85	1469126.93	
0+17 (8" -1/16" HORZ. BEND)	598922.70	1469138.68	
0+22 (8" -1/16" LOWER VERT. BEND)	598926.95	1469141.30	
0+27 (8" -1/16" UPPER VERT. BEND)	598931.21	1469143.92	
0+32 (8" -1/8" HORZ. BEND)	598935.37	1469146.48	
0+39 (WYE)	598942.39	1469144.64	

ABANDONING NOTES

- ABANDON APPROX. 650 L.F. OF EX. 24" W IN PLACE ALONG BACK RIVER NECK ROAD RIGHT OF 24" W STA. 9+50 TO STA. 16+00 (AS NOTED X).
- ABANDON APPROX. 650 L.F. OF EX. 12" W IN PLACE ALONG BACK RIVER NECK ROAD RIGHT OF 24" W STA. 9+50 TO STA. 16+00 (AS NOTED X).
- ABANDON APPROX. 32 L.F. OF EX. 8" W IN PLACE ALONG FRENCH AVENUE LEFT/RIGHT OF 8" W STA. 0+00 TO STA. 0+36 (AS NOTED X).

VERTICAL CONTROL

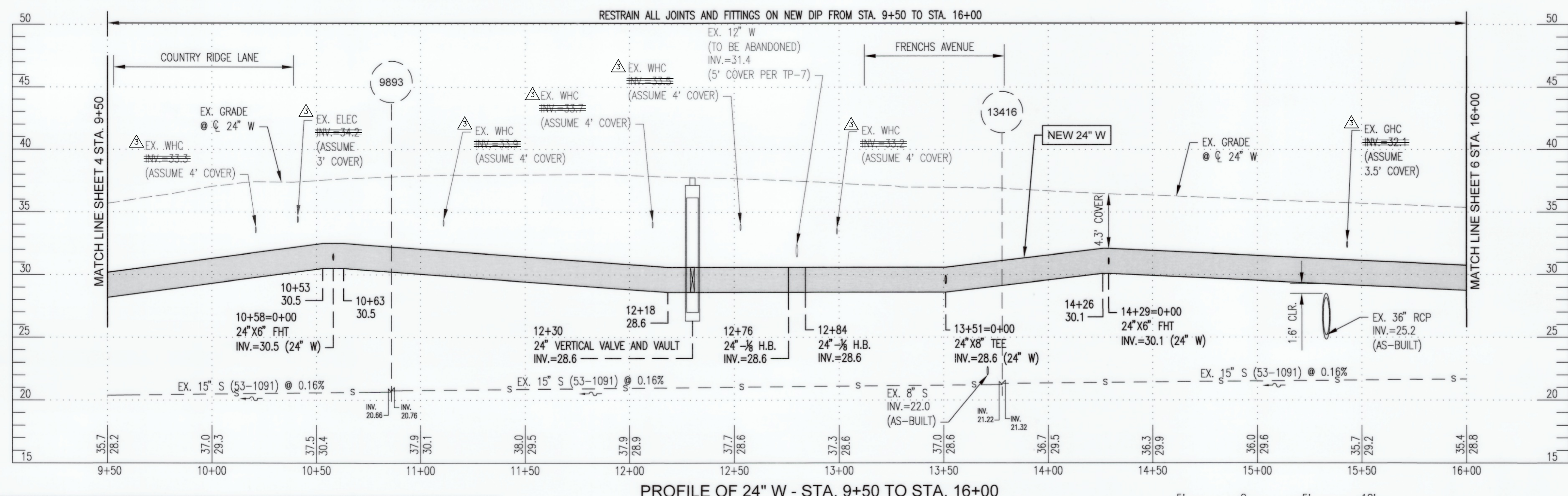
BM "Q"	
BOX CUT TO @ END OF SIDEWALK	ELEV.=38.78

HORIZONTAL CONTROL

TRAVERSE POINT	NORTHING	EASTING
28	599127.32	1468913.97
115	598865.53	1469105.95

- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 24" W FROM STA. 9+50 TO STA. 16+00
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 8" W FROM STA. 0+00 TO STA. 0+39

- SEE SHEET 12 FOR PROFILE OF 8" WATER FOR FRENCH AVENUE.
- SEE SHEET 12 FOR PROFILE OF 6" WATER FOR PROFILE FOR FIRE HYDRANT AT BACK RIVER NECK ROAD 24" W STA. 10+58 AND STA. 14+29



PROFILE OF 24" W - STA. 9+50 TO STA. 16+00
SCALE: 1"=30' HORIZ.
1"=5' VERT.

BILL OF MATERIALS		
QUANTITY	DESCRIPTION	SIZE
650 L.F.	DUCTILE IRON PIPE	24"
39 L.F.	DUCTILE IRON PIPE	8"
75 L.F.	DUCTILE IRON PIPE	6"
36 L.F.	COPPER	1"
82 L.F.	COPPER	3/4"
4 EA.	TAP AND CORP STOP	3/4"
2 EA.	TAP AND CORP STOP	1"
2 EA.	1/8" BEND	24"
1 EA.	1/8" BEND	8"
3 EA.	1/16" BEND	8"
1 EA.	1/8" BEND	6"
1 EA.	TEE	24" X8"
2 EA.	TEE	24" X6"
1 EA.	VALVE AND VAULT	24"
1 EA.	VALVE AND VAULT	8"
2 EA.	VALVE AND VAULT	6"
1 EA.	FIRE HYDRANT	-
1 EA.	WYE	8" X8"
1 EA.	WYE	6" X6"
1 EA.	CAP	8"
1 EA.	CAP	6"
1 EA.	PLUG	8"
1 EA.	PLUG	6"
1 EA.	SLEEVE	8"
1 EA.	SLEEVE	6"
1 EA.	SPACER	8"
1 EA.	SPACER	6"

CONTRACT COMPLETION BOX

CONTRACTOR: _____
 DATE COMPLETED: _____
 INSPECTOR: _____

PIPE MATERIAL: _____
 CATHODIC PROTECTION SYSTEM METHOD (POTABLE WATER ONLY):
 BONDED COATED PIPE PIPE DIAMETER(S): _____
 N/A - ZINC COATED PIPE PIPE DIAMETER(S): _____
 WITH POLYETHYLENE ENCASEMENT PIPE DIAMETER(S): _____
 OTHER (SPECIFY): _____ PIPE DIAMETER(S): _____

CITY OF BALTIMORE	REVISION - CITY OF BALTIMORE
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20915, EXPIRATION DATE 10/31/26.

ENGINEER: SHAWN BURNETT
 THE WILSON T. BALLARD CO.
 DESIGN BY: DS
 DRAWN BY: TL
 AS-BUILT PER RECORD PRINT
 DATE: 7-9-2025

REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION	SHT	DRAWING SCALE	DPW & TRANSPORTATION
ADDENDUM 3	WTB	2/2/26					1"=30"	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
				I-SE			1"=30"	

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION

24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3

BACK RIVER NECK ROAD

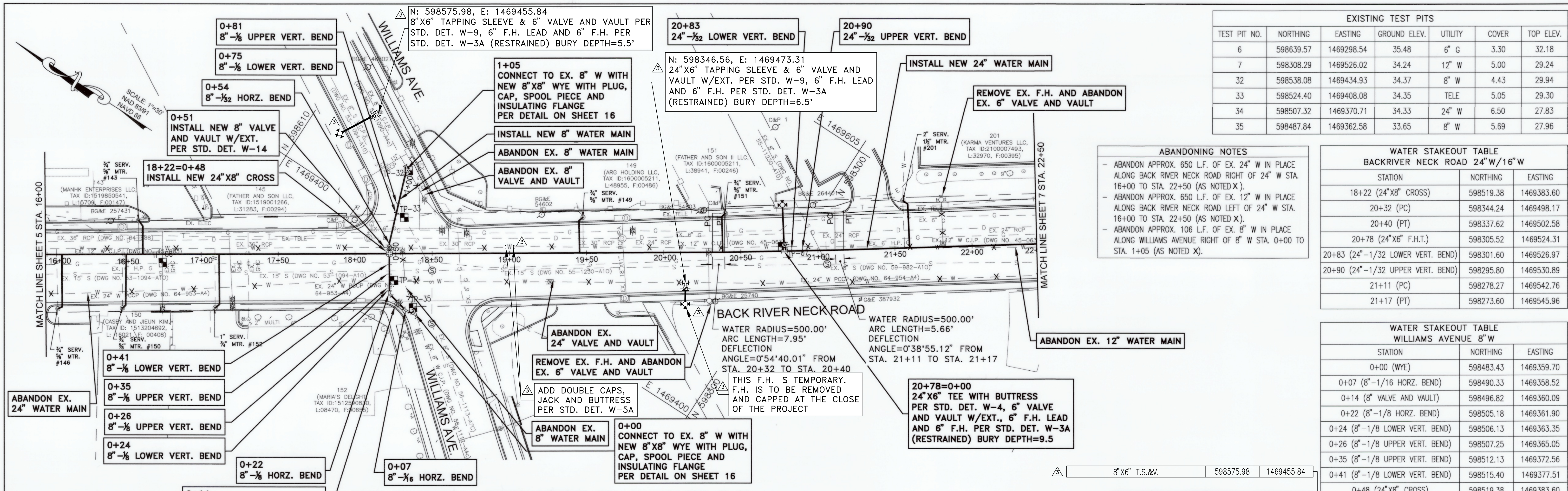
FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD

SUBDIVISION: BACK RIVER NECK PROP. 24" WATER MAIN PLAN (STA. 9+50 TO STA. 16+00) ELECTION DIST. NO.: 15C7

Contract No. 23186 WX0
 Addendum No. 3
 Revised, March 13, 2023

SHEET DESIGNATION	CONTRACT NUMBER
WATER SH 5 OF 18	23186-WX0

JOB ORDER NUMBER	DRAWING NUMBER
231-203-0067-0783	2023-2708



EXISTING TEST PITS						
TEST PIT NO.	NORTHING	EASTING	GROUND ELEV.	UTILITY	COVER	TOP ELEV.
6	598639.57	1469298.54	35.48	6" G	3.30	32.18
7	598308.29	1469526.02	34.24	12" W	5.00	29.24
32	598538.08	1469434.93	34.37	8" W	4.43	29.94
33	598524.40	1469408.08	34.35	TELE	5.05	29.30
34	598507.32	1469370.71	34.33	24" W	6.50	27.83
35	598487.84	1469362.58	33.65	8" W	5.69	27.96

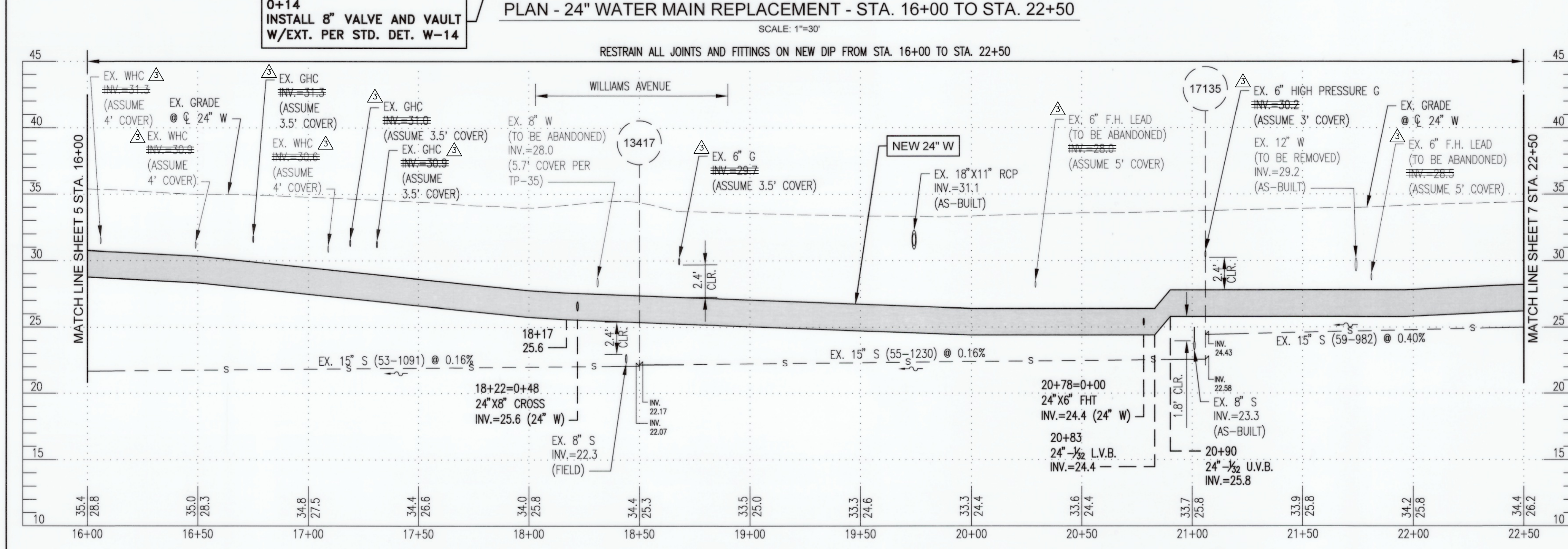
ABANDONING NOTES

- ABANDON APPROX. 650 L.F. OF EX. 24" W IN PLACE ALONG BACK RIVER NECK ROAD RIGHT OF 24" W STA. 16+00 TO STA. 22+50 (AS NOTED X).
- ABANDON APPROX. 650 L.F. OF EX. 12" W IN PLACE ALONG BACK RIVER NECK ROAD LEFT OF 24" W STA. 16+00 TO STA. 22+50 (AS NOTED X).
- ABANDON APPROX. 106 L.F. OF EX. 8" W IN PLACE ALONG WILLIAMS AVENUE RIGHT OF 8" W STA. 0+00 TO STA. 1+05 (AS NOTED X).

WATER STAKEOUT TABLE BACK RIVER NECK ROAD 24" W/16" W		
STATION	NORTHING	EASTING
18+22 (24" X8" CROSS)	598519.38	1469383.60
20+32 (PC)	598344.24	1469498.17
20+40 (PT)	598337.62	1469502.58
20+78 (24" X6" F.H.T.)	598305.52	1469524.31
20+83 (24"-1/32 LOWER VERT. BEND)	598301.60	1469526.97
20+90 (24"-1/32 UPPER VERT. BEND)	598295.80	1469530.89
21+11 (PC)	598278.27	1469542.76
21+17 (PT)	598273.60	1469545.96

WATER STAKEOUT TABLE WILLIAMS AVENUE 8" W		
STATION	NORTHING	EASTING
0+00 (WYE)	598483.43	1469359.70
0+07 (8"-1/16 HORZ. BEND)	598490.33	1469358.52
0+14 (8" VALVE AND VAULT)	598496.82	1469360.09
0+22 (8"-1/8 HORZ. BEND)	598505.18	1469361.90
0+24 (8"-1/8 LOWER VERT. BEND)	598506.13	1469363.35
0+26 (8"-1/8 UPPER VERT. BEND)	598507.25	1469365.05
0+35 (8"-1/8 UPPER VERT. BEND)	598512.13	1469372.56
0+41 (8"-1/8 LOWER VERT. BEND)	598515.40	1469377.51
0+48 (24" X8" CROSS)	598519.38	1469383.60
0+51 (8" VALVE AND VAULT)	598521.02	1469386.11
0+54 (8"-1/32 HORZ. BEND)	598522.87	1469388.94
0+75 (8"-1/8 LOWER VERT. BEND)	598529.85	1469408.12
0+81 (8"-1/8 UPPER VERT. BEND)	598531.90	1469413.81
1+05 (WYE)	598540.01	1469436.18

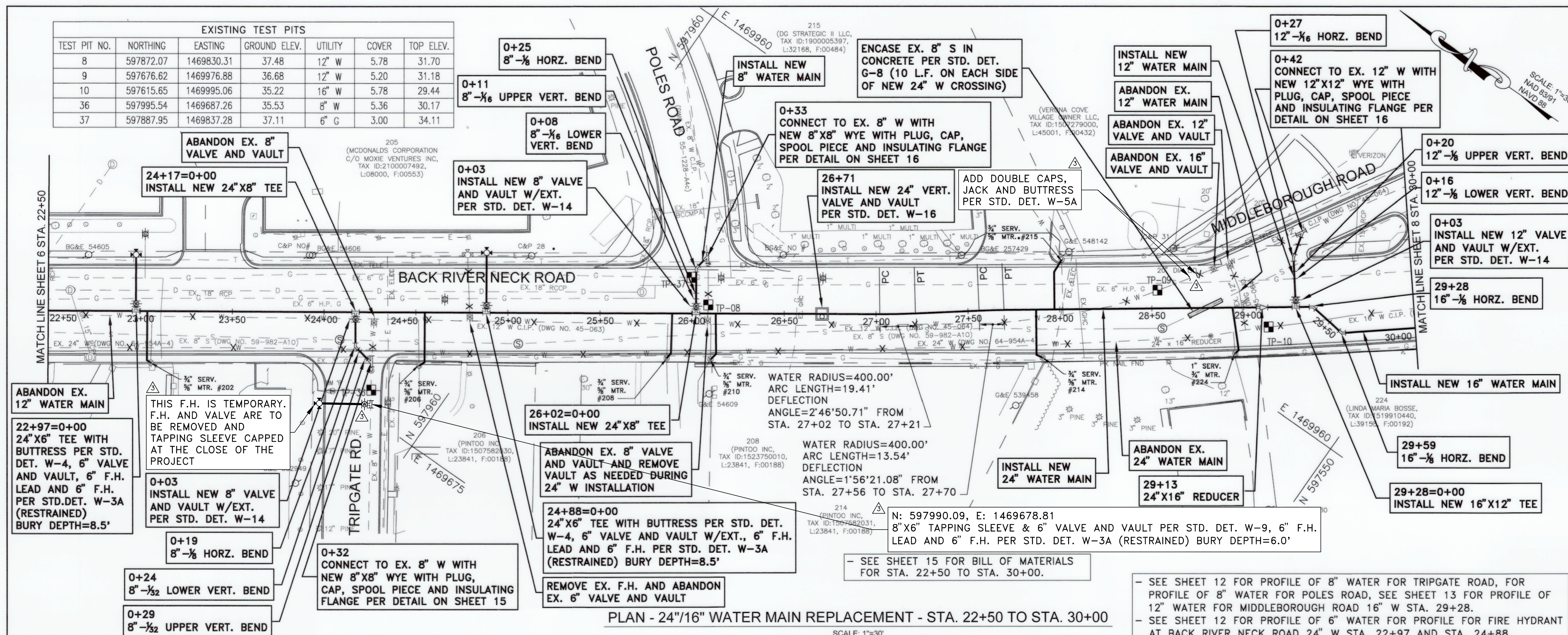
BILL OF MATERIALS		
QUANTITY	DESCRIPTION	SIZE
650 L.F.	DUCTILE IRON PIPE	24"
105 L.F.	DUCTILE IRON PIPE	8"
59 L.F.	DUCTILE IRON PIPE	6"
32 L.F.	COPPER	2"
36 L.F.	COPPER	1"
146 L.F.	COPPER	3/4"
5 EA.	TAP AND CORP STOP	3/4"
1 EA.	TAP AND CORP STOP	1"
1 EA.	TAP AND CORP STOP	2"
2 EA.	1/32 BEND	24"
7 EA.	1/8 BEND	8"
1 EA.	1/16 BEND	8"
1 EA.	1/32 BEND	8"
2 EA.	VALVE AND VAULT	8"
2 EA.	VALVE AND VAULT	6"
2 EA.	FIRE HYDRANT	-
2 EA.	WYE	8" X8"
2 EA.	CAP	8"
2 EA.	PLUG	8"
2 EA.	SLEEVE	8"
2 EA.	SPACER	8"
1 EA.	TAPPING SLEEVE	8" X6"
2 EA.	CAP	12"



PROFILE OF 24" W - STA. 16+00 TO STA. 22+50
 SCALE: 1"=30' HORIZ.
 1"=5' VERT.

CITY OF BALTIMORE		REVISION - CITY OF BALTIMORE		SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	
PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20615, EXPIRATION DATE 10/21/28 ENGINEER: SHAWN BURNETT THE WILSON T. BALLARD CO. AS-BUILT PER RECORD PRINT DATE: 7-9-2025		REVISION BY: WTB DATE: 2/2/26 P.W.A. NO.: KEY SHEET POSITION SHIT: I-SE 4NE33 5NE33 DRAWING SCALE: PLAN SCALE: 1"=30' PROFILE SCALE: 1"=5' DPW & TRANSPORTATION SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION 24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3 BACK RIVER NECK ROAD FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD SUBDIVISION: BACK RIVER NECK PROP. 24" WATER MAIN PLAN (STA. 16+00 TO STA. 22+50) ELECTION DIST. NO.: 15C7		CONTRACT COMPLETION BOX CONTRACTOR: _____ DATE COMPLETED: _____ INSPECTOR: _____ PIPE MATERIAL: _____ CATHODIC PROTECTION SYSTEM METHOD (POTABLE WATER ONLY): <input type="checkbox"/> BONDED COATED PIPE PIPE DIAMETER(S): _____ <input type="checkbox"/> N/A - ZINC COATED PIPE PIPE DIAMETER(S): _____ <input type="checkbox"/> WITH POLYETHYLENE ENCASMENT PIPE DIAMETER(S): _____ <input type="checkbox"/> OTHER (SPECIFY): _____ PIPE DIAMETER(S): _____	
SHEET DESIGNATION: WATER SH 6 OF 18 CONTRACT NUMBER: 23186-WX0 JOB ORDER NUMBER: 231-203-0067-0783 SHEET 6 OF 44 DRAWING NUMBER: 2023-2709 FILE NO.: _____		Contract No. 23186 WX0 Addendum No. 3 Revised, March 13, 2023			

EXISTING TEST PITS						
TEST PIT NO.	NORTHING	EASTING	GROUND ELEV.	UTILITY	COVER	TOP ELEV.
8	597872.07	1469830.31	37.48	12" W	5.78	31.70
9	597676.62	1469976.88	36.68	12" W	5.20	31.18
10	597615.65	1469995.06	35.22	16" W	5.78	29.44
36	597995.54	1469687.26	35.53	8" W	5.36	30.17
37	597887.95	1469837.28	37.11	6" G	3.00	34.11



WATER STAKEOUT TABLE BACK RIVER NECK ROAD 24" W/16" W		
STATION	NORTHING	EASTING
22+97 (24" X6" F.H.T.)	598125.17	1469648.94
24+17 (24" X8" TEE)	598026.89	1469717.12
24+88 (24" X6" F.H.T.)	597968.41	1469757.69
26+02 (24" X8" TEE)	59874.73	1469822.68
26+71 (24" VALVE AND VAULT)	597818.61	1469861.62
27+02 (PC)	597792.77	1469879.54
27+21 (PT)	597776.73	1469891.27
27+56 (PC)	597749.63	1469912.09
27+70 (PT)	597738.76	1469920.15
29+13 (24" X16" REDUCER)	597622.18	1470003.60
29+28 (16" X12" TEE)	597609.79	1470012.46
29+38 (16" -1/8" HORZ. BEND)	597602.20	1470017.90
29+59 (16" -1/8" HORZ. BEND)	597581.16	1470015.16

WATER STAKEOUT TABLE POLES ROAD 8" W		
STATION	NORTHING	EASTING
0+00 (24" X8" TEE)	597874.73	1469822.68
0+03 (8" VALVE AND VAULT)	597876.44	1469825.33
0+08 (8" -1/16" LOWER VERT. BEND)	597879.33	1469829.23
0+011 (8" -1/16" UPPER VERT. BEND)	597881.12	1469831.89
0+25 (8" -1/8" HORZ. BEND)	597888.79	1469842.93
0+33 (WYE)	597887.53	1469851.59

WATER STAKEOUT TABLE TRIPGATE ROAD 8" W		
STATION	NORTHING	EASTING
0+00 (24" X8" TEE)	598026.89	1469717.12
0+03 (8" VALVE AND VAULT)	598025.19	1469714.67
0+19 (8" -1/8" HORZ. BEND)	598016.13	1469701.60
0+24 (8" -1/32" LOWER VERT. BEND)	598011.21	1469700.71
0+29 (8" -1/32" UPPER VERT. BEND)	598006.29	1469699.82
0+32 (WYE)	598003.72	1469699.36

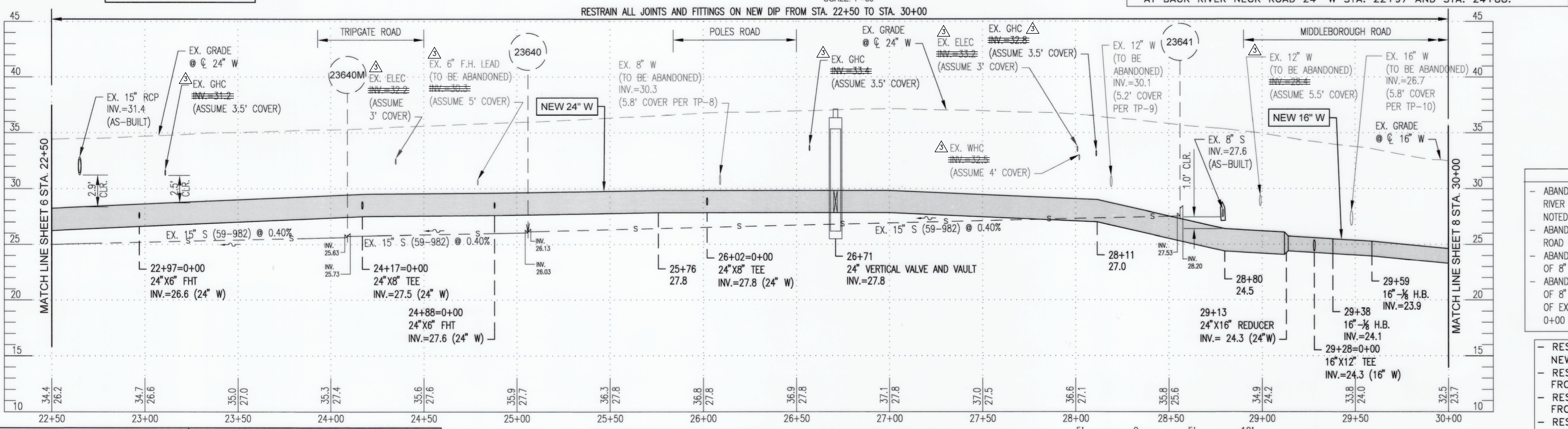
WATER STAKEOUT TABLE MIDDLEBOROUGH ROAD 12" W (16" W STA. 29+28)		
STATION	NORTHING	EASTING
0+00 (16" X12" TEE)	597609.79	1470012.46
0+03 (12" VALVE AND VAULT)	597611.61	1470014.86
0+16 (12" -1/8" LOWER VERT. BEND)	597619.55	1470025.15
0+20 (12" -1/8" UPPER VERT. BEND)	597621.63	1470027.85
0+27 (12" -1/16" HORZ. BEND)	597626.27	1470033.88
0+42 (WYE)	597630.10	1470048.05

ABANDONING NOTES

- ABANDON APPROX. 750 L.F. OF EX. 24" W/16" W IN PLACE ALONG BACK RIVER NECK ROAD RIGHT OF 24" W/16" W STA. 22+50 TO STA. 30+00 (AS NOTED X).
- ABANDON APPROX. 700 L.F. OF EX. 12" W IN PLACE ALONG BACK RIVER NECK ROAD LEFT/RIGHT OF 24" W STA. 22+50 TO STA. 30+00 (AS NOTED X).
- ABANDON APPROX. 37 L.F. OF EX. 8" W IN PLACE ALONG TRIPGATE ROAD LEFT OF 8" W STA. 0+00 TO STA. 0+64 (AS NOTED X).
- ABANDON APPROX. 37 L.F. OF EX. 8" W IN PLACE ALONG POLES ROAD RIGHT OF 8" W STA. 0+00 TO STA. 0+33 (AS NOTED X). ABANDON APPROX. 38 L.F. OF EX. 12" W IN PLACE ALONG MIDDLEBOROUGH ROAD LEFT OF 12" W STA. 0+00 TO STA. 0+57 (AS NOTED X).

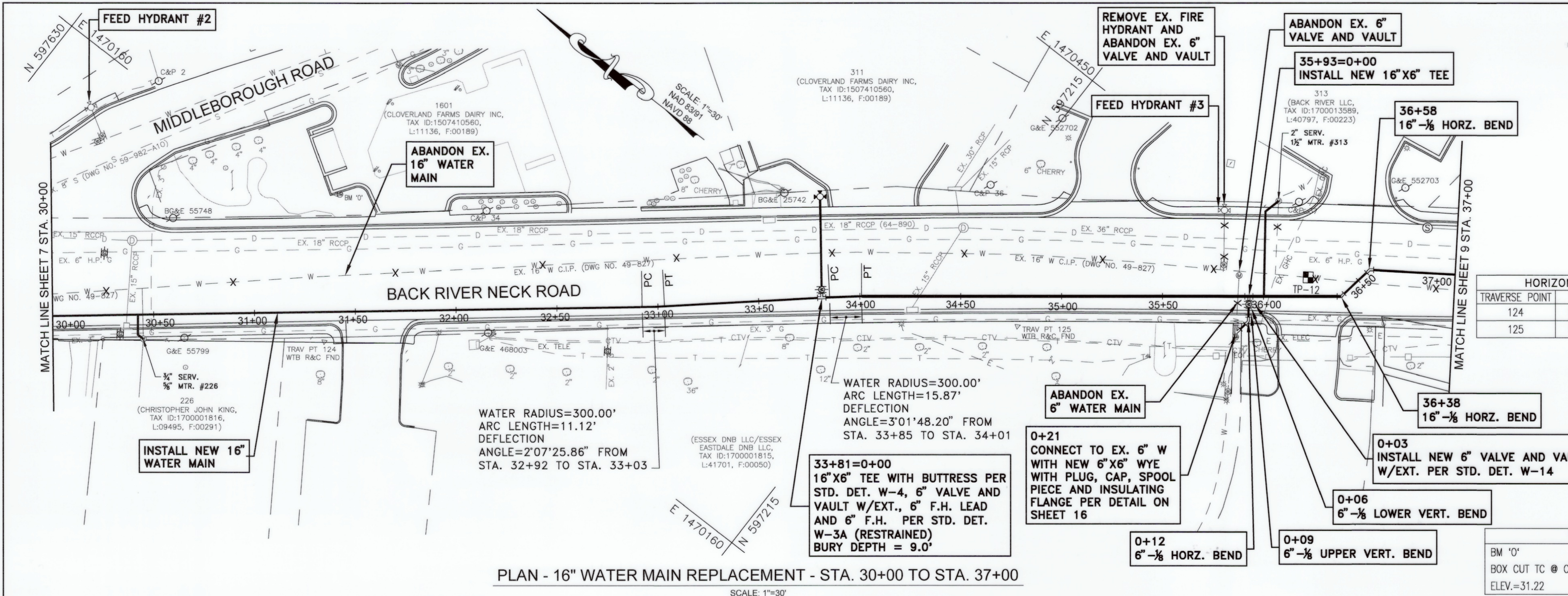
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 24" W/16" W FROM STA. 22+50 TO STA. 30+00
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 8" W FROM STA. 0+00 TO STA. 0+33
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 8" W FROM STA. 0+00 TO STA. 0+32
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 12" W FROM STA. 0+00 TO STA. 0+42

PLAN - 24"/16" WATER MAIN REPLACEMENT - STA. 22+50 TO STA. 30+00



PROFILE OF 24"/16" W - STA. 22+50 TO STA. 30+00

CITY OF BALTIMORE		REVISION - CITY OF BALTIMORE		DRAWING SCALE		DPW & TRANSPORTATION	
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES				PLAN SCALE: 1"=30'		SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	
SEAL		PROFESSIONAL CERTIFICATION		REVISION		DRAWING SCALE	
		I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.		ADDENDUM 3		DRAWING SCALE	
		ENGINEER: SHAWN BURNETT THE WILSON T. BALLARD CO. AS-BUILT PER RECORD PRINT		DESIGN BY: DS REVIEWED BY: TL CHKD BY: SB		BUR. OF ENGINEERING & CONSTRUCTION	
DATE: 7-9-2025		SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES		SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES		SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	
BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION				BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION			
24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3				24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3			
BACK RIVER NECK ROAD				BACK RIVER NECK ROAD			
FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD				FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD			
SUBDIVISION: BACK RIVER NECK PROP. 24"/16" WATER MAIN PLAN (STA. 22+50 TO STA. 30+00)				SUBDIVISION: BACK RIVER NECK PROP. 24"/16" WATER MAIN PLAN (STA. 22+50 TO STA. 30+00)			
VERTICAL CONTROL		HORIZONTAL CONTROL		SHEET DESIGNATION		CONTRACT NUMBER	
BM 'P' BOX CUT TO @ END OF SIDEWALK ELEV.=36.24		TRAVERSE POINT NORTHING EASTING 113 598057.99 1469744.78		WATER SH 7 OF 18		23186-WX0	
Contract No. 23186 WX0 Addendum No. 3 Revised, March 13, 2026				JOB ORDER NUMBER			
				231-203-0067-0783			
				SHEET 7 OF 44			
				DRAWING NUMBER			
				2023-2710			
				FILE NO.:			



PLAN - 16" WATER MAIN REPLACEMENT - STA. 30+00 TO STA. 37+00
SCALE: 1"=30'

EXISTING TEST PITS						
TEST PIT NO.	NORTHING	EASTING	GROUND ELEV.	UTILITY	COVER	TOP ELEV.
12	597070.70	1470439.03	24.93	16" W	5.61	19.32

WATER STAKEOUT TABLE BACK RIVER NECK ROAD 16" W		
STATION	NORTHING	EASTING
32+92 (PC)	597321.74	1470224.51
33+03 (PT)	597313.22	1470231.65
33+81 (16"X6" F.H.T.)	597254.51	1470282.73
33+85 (PC)	597251.58	1470285.28
34+01 (PT)	597239.34	1470295.37
35+93 (16"X6" TEE)	597088.10	1470413.52
36+38 (16-1/8 HORZ. BEND)	597052.06	1470441.67
36+58 (16-1/8 HORZ. BEND)	597049.06	1470460.63

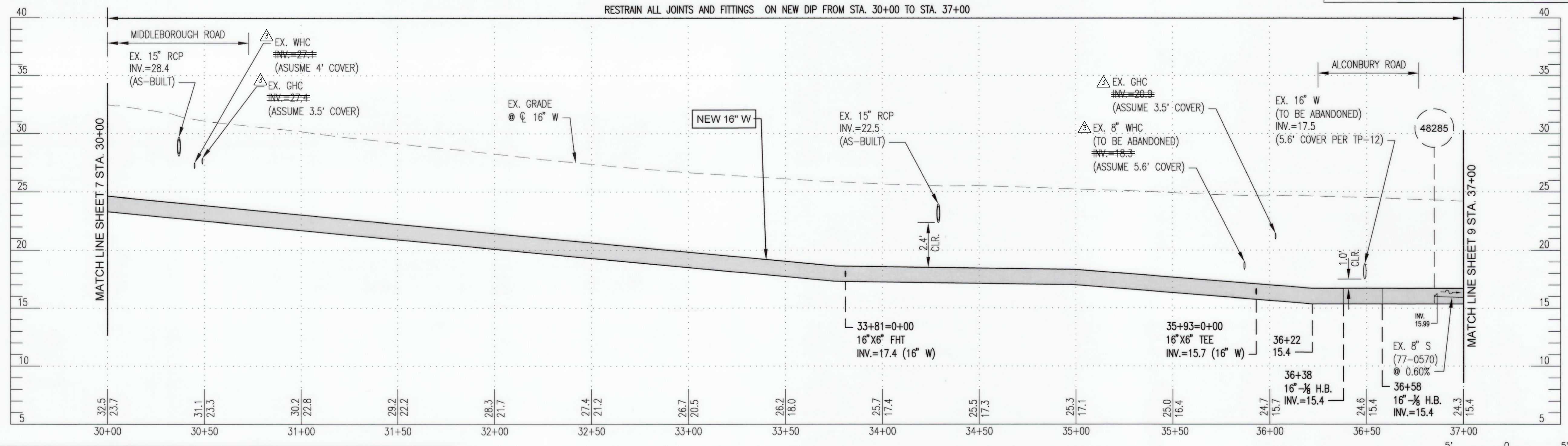
HORIZONTAL CONTROL		
TRAVERSE POINT	NORTHING	EASTING
124	597435.37	1470113.95
125	597169.37	1470331.31

WATER STAKEOUT TABLE 6" WHC STA. 35+93		
STATION	NORTHING	EASTING
0+00 (16"X6" TEE)	597088.10	1470413.52
0+03 (6" VALVE AND VAULT)	597086.29	1470411.13
0+06 (6"-1/16 LOWER VERT. BEND)	597084.50	1470408.72
0+09 (6"-1/16 UPPER VERT. BEND)	597083.00	1470406.72
0+12 (6"-1/8 HORZ. BEND)	597080.70	1470403.66
0+21 (WYE)	597082.06	1470395.23

- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 16" W FROM STA. 30+00 TO STA. 37+00
- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 6" W FROM STA. 0+00 TO STA. 0+25
- SEE SHEET 13 FOR PROFILE OF 6" WATER SERVICE CONNECTION AT BACK RIVER NECK ROAD 16" W STA. 35+93.
- SEE SHEET 13 FOR PROFILE OF 6" WATER FOR PROFILE FOR FIRE HYDRANT AT BACK RIVER NECK ROAD 16" W STA. 33+81.

- ABANDONING NOTES**
- ABANDON APPROX. 700 L.F. OF EX. 16" W IN PLACE ALONG BACK RIVER NECK ROAD RIGHT OF 16" W STA. 30+00 TO STA. 37+00 (AS NOTED X).
 - ABANDON APPROX. 30 L.F. OF EX. 6" WHC IN PLACE ALONG BACK RIVER NECK ROAD 24" W STA. 36+03 RIGHT OF 6" WHC STA. 0+00 TO STA. 0+26 (AS NOTED X).

BILL OF MATERIALS		
QUANTITY	DESCRIPTION	SIZE
700 L.F.	DUCTILE IRON PIPE	16"
68 L.F.	DUCTILE IRON PIPE	6"
50 L.F.	COPPER	2"
13 L.F.	COPPER	3/4"
1 EA.	TAP AND CORP STOP	3/4"
1 EA.	TAP AND CORP STOP	2"
2 EA.	1/8 BEND	16"
3 EA.	1/8 BEND	6"
2 EA.	TEE	16"X6"
2 EA.	VALVE AND VAULT	6"
1 EA.	FIRE HYDRANT	-
1 EA.	WYE	6"X6"
1 EA.	CAP	6"
1 EA.	PLUG	6"
1 EA.	SLEEVE	6"
1 EA.	SPACER	6"



PROFILE OF 16" W - STA. 30+00 TO STA. 37+00
SCALE: 1"=30' HORZ. 1"=5' VERT.

CITY OF BALTIMORE	REVISION - CITY OF BALTIMORE
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	

SEAL	PROFESSIONAL CERTIFICATION	REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION	SHT	DRAWING SCALE	DPW & TRANSPORTATION
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20815, EXPIRATION DATE 10/21/26	ADDENDUM 3	WTB	2/2/26		I-SE	3NE33	4NE33	PLAN SCALE: 1"=30'	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
	ENGINEER: SHAWN BURNETT, THE WILSON T. BALLARD CO.								PROFILE SCALE: 1"=5'	BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION
	AS-BUILT PER RECORD PRINT									24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3
	BY: DATE:									BACK RIVER NECK ROAD
	CHKD BY: DATE REVIEWED:									FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD
										SUBDIVISION: BACK RIVER NECK PROP. 16" WATER MAIN PLAN (STA. 30+00 TO STA. 37+00)

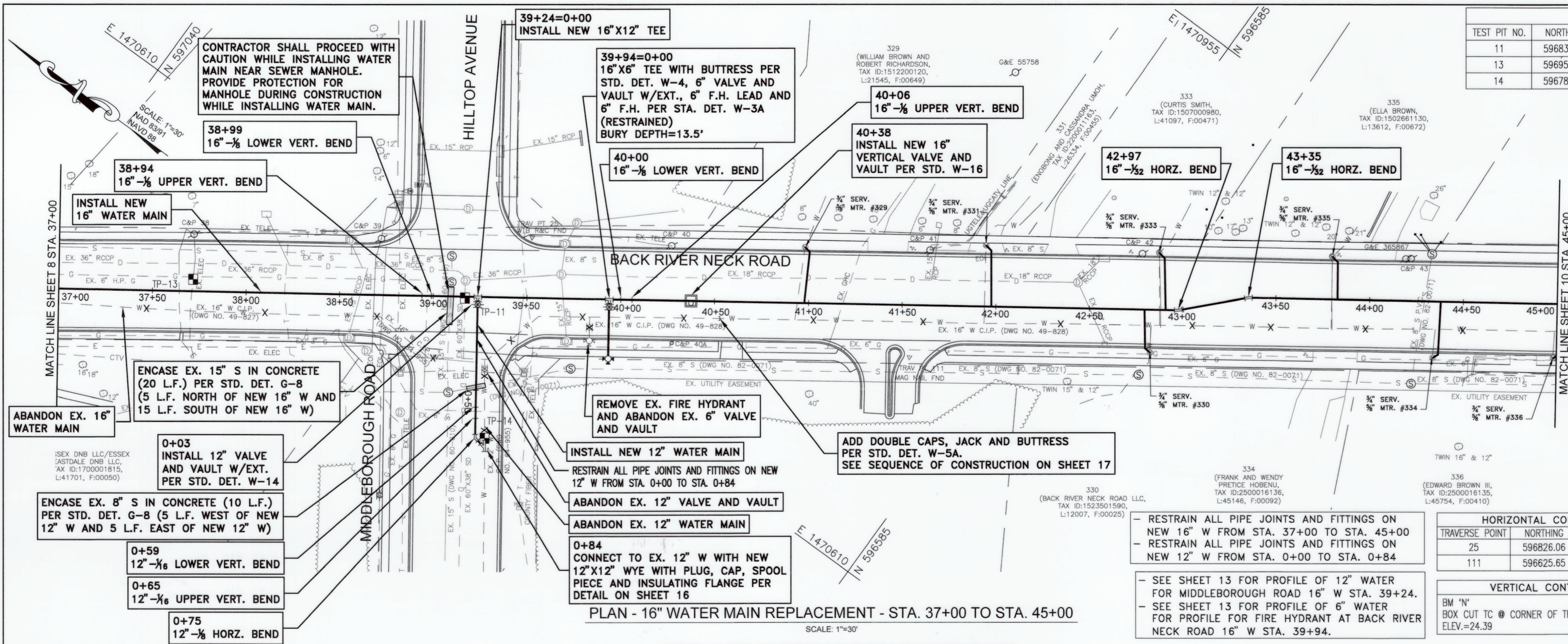
BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION
24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3
BACK RIVER NECK ROAD
FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD
SUBDIVISION: BACK RIVER NECK PROP. 16" WATER MAIN PLAN (STA. 30+00 TO STA. 37+00) ELECTION DIST. NO.: 15C7

Contract No. 23186 WX0
Addendum No. 3
Revised, March 13, 2026

CONTRACT COMPLETION BOX	
CONTRACTOR:	
DATE COMPLETED:	
INSPECTOR:	
PIPE MATERIAL:	
CATHODIC PROTECTION SYSTEM METHOD (POTABLE WATER ONLY):	
<input type="checkbox"/> BONDED COATED PIPE	PIPE DIAMETER(S):
<input type="checkbox"/> N/A - ZINC COATED PIPE	PIPE DIAMETER(S):
<input type="checkbox"/> WITH POLYETHYLENE ENCASMENT	PIPE DIAMETER(S):
<input type="checkbox"/> OTHER (SPECIFY):	PIPE DIAMETER(S):

SHEET DESIGNATION	CONTRACT NUMBER
WATER SH 8 OF 18	23186-WX0
JOB ORDER NUMBER	231-203-0067-0783
SHEET 8 OF 44	
DRAWING NUMBER	2023-2711
FILE NO.:	

DWG. FILENAME: T:\Baltimore County Utilities\800-122-03 Back River Neck Road Phase 3\DWG\PS-0006-BRRR-ADDENDUM 3.dwg



EXISTING TEST PITS					
TEST PIT NO.	NORTHING	EASTING	GROUND ELEV.	UTILITY	COVER TOP ELEV.
11	596835.59	1470608.83	23.87	60"X38" SD	3.82 20.05
13	596959.25	1470531.04	24.32	ELEC	3.35 20.97
14	596783.63	1470553.80	23.33	12" W	8.07 15.26

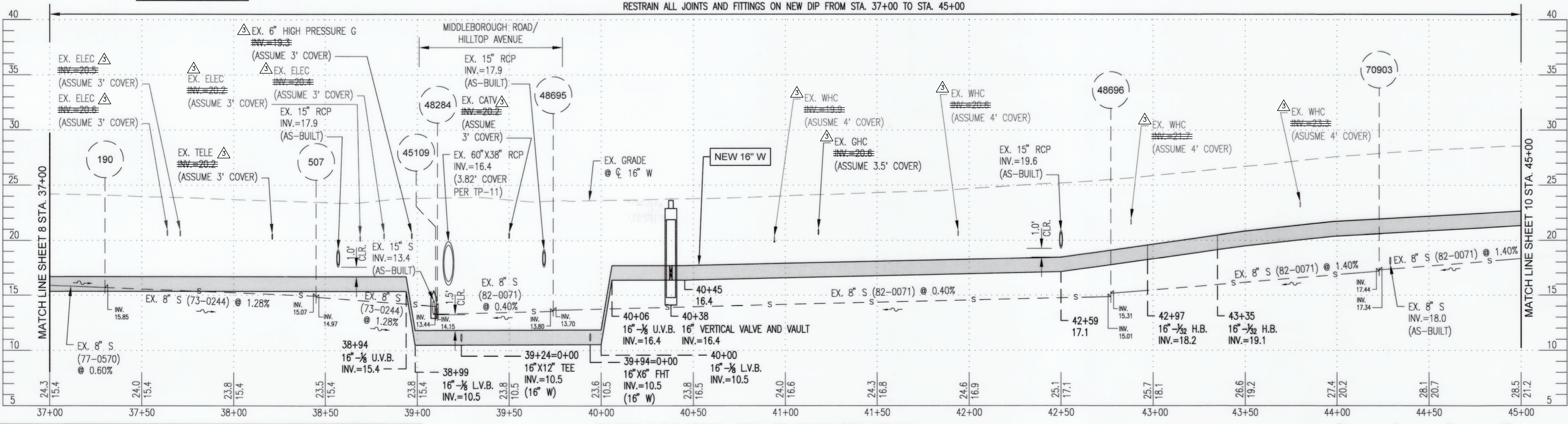
WATER STAKEOUT TABLE BACK RIVER NECK ROAD 16" W		
STATION	NORTHING	EASTING
38+94 (16"-1/8 UPPER VERT. BEND)	596855.71	1470595.53
38+99 (16"-1/8 LOWER VERT. BEND)	596851.61	1470598.40
39+24 (16"X12" TEE)	596830.85	1470612.88
39+94 (16"X6" F.H.T.)	596773.33	1470653.01
40+00 (16"-1/8 LOWER VERT. BEND)	596768.78	1470656.18
40+06 (16"-1/8 UPPER VERT. BEND)	596763.88	1470659.64
40+38 (16" VALVE AND VAULT)	596737.55	1470677.97
42+97 (16"-1/32 HORZ. BEND)	596524.48	1470826.63
43+35 (16"-1/32 HORZ. BEND)	596498.11	1470854.09

WATER STAKEOUT TABLE MIDDLEBOROUGH ROAD 12" W (16" W STA. 39+24)		
STATION	NORTHING	EASTING
0+00 (16"X12" TEE)	596830.85	1470612.88
0+03 (12" VALVE AND VAULT)	596829.13	1470610.42
0+59 (12"-1/16 UPPER VERT. BEND)	596797.09	1470564.49
0+65 (12"-1/16 LOWER VERT. BEND)	596793.66	1470559.57
0+75 (12"-1/8 HORZ. BEND)	596787.25	1470550.92
0+84 (WYE)	596779.12	1470549.50

BILL OF MATERIALS		
QUANTITY	DESCRIPTION	SIZE
800 L.F.	DUCTILE IRON PIPE	16"
84 L.F.	DUCTILE IRON PIPE	Δ 12"
32 L.F.	DUCTILE IRON PIPE	6"
177 L.F.	COPPER	3/4"
6 EA.	TAP AND CORP STOP	3/4"
4 EA.	1/8 BEND	16"
2 EA.	1/32 BEND	16"
1 EA.	1/8 BEND	12"
2 EA.	1/16 BEND	12"
1 EA.	TEE	16"X12"
1 EA.	TEE	16"X6"
1 EA.	VALVE AND VAULT	16"
1 EA.	VALVE AND VAULT	12"
1 EA.	VALVE AND VAULT	6"
1 EA.	FIRE HYDRANT	-
1 EA.	WYE	12"X12"
1 EA.	CAP	12"
2 EA.	CAP	16"
1 EA.	PLUG	12"
1 EA.	SLEEVE	12"
1 EA.	SPACER	12"

ABANDONING NOTES

- ABANDON APPROX. 800 L.F. OF EX. 16" W IN PLACE ALONG BACK RIVER NECK ROAD LEFT OF 24" W STA. 37+00 TO STA. 45+00 (AS NOTED X).
- ABANDON APPROX. 71 L.F. OF EX. 12" W IN PLACE ALONG MIDDLEBOROUGH ROAD LEFT OF 12" W STA. 0+00 TO STA. 0+84 (AS NOTED X).



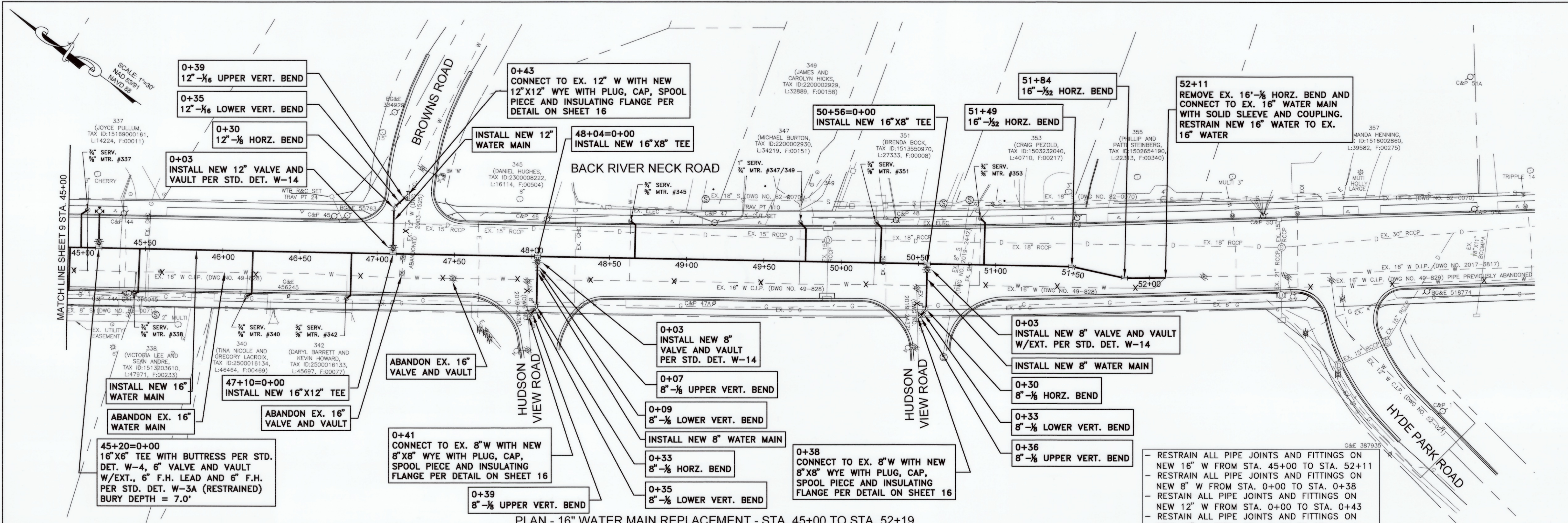
HORIZONTAL CONTROL		
TRAVERSE POINT	NORTHING	EASTING
25	596826.06	1470655.65
111	596625.65	1470721.84

VERTICAL CONTROL		
BM 'N'	BOX CUT TO @ CORNER OF TRANSFORMER PAD	ELEV.=24.39

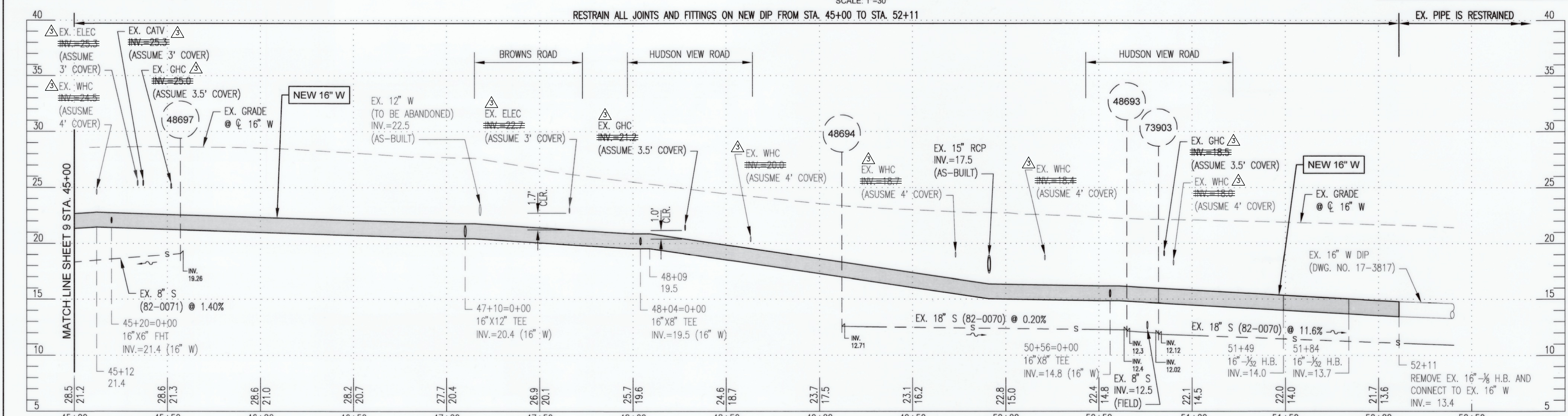
CITY OF BALTIMORE	REVISION - CITY OF BALTIMORE
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	

	PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20615, EXPIRATION DATE 10/21/26	REVISION ADDENDUM 3	BY WTB	DATE 2/2/26	P.W.A. NO. R.O.W. NO.	KEY SHEET I-SE	POSITION 3NE33 3NE34	DRAWING SCALE PLAN SCALE: 1"=50' PROFILE SCALE: 1"=5' VERT.	DPW & TRANSPORTATION SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
	ENGINEER: SHAWN BURNETT DESIGN BY: DS AS-BUILT PER RECORD PRINT	BUREAU OF ENGINEERING AND CONSTRUCTION	BUILDINGS	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION 24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3 BACK RIVER NECK ROAD FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD SUBDIVISION: BACK RIVER NECK PROP. 16" WATER MAIN PLAN (STA. 37+00 TO STA. 45+00) ELECTION DIST. NO.: 15C7		Contract No. 23186 WX0 Addendum No. 3 Revised, March 13, 2026	
SHEET DESIGNATION WATER SH 9 OF 18	CONTRACT NUMBER 23186-WX0	JOB ORDER NUMBER 231-203-0067-0783	SHEET 9 OF 44 DRAWING NUMBER 2023-2712



PLAN - 16" WATER MAIN REPLACEMENT - STA. 45+00 TO STA. 52+19



PROFILE OF 16" W - STA. 45+00 TO STA. 52+19

- RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 16" W FROM STA. 45+00 TO STA. 52+11
 - RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 8" W FROM STA. 0+00 TO STA. 0+38
 - RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 12" W FROM STA. 0+00 TO STA. 0+43
 - RESTRAIN ALL PIPE JOINTS AND FITTINGS ON NEW 12" W FROM STA. 0+00 TO STA. 0+41
- ABANDONING NOTES
- ABANDON APPROX. 719 L.F. OF EX. 16" W IN PLACE ALONG BACK RIVER NECK ROAD RIGHT OF 24" W STA. 45+00 TO STA. 52+19 (AS NOTED X).
 - ABANDON APPROX. 51 L.F. OF EX. 12" W IN PLACE ALONG BROWNS ROAD RIGHT OF 12" W STA. 0+00 TO STA. 0+43 (AS NOTED X).
 - ABANDON APPROX. 25 L.F. OF EX. 8" W IN PLACE ALONG HUDSON VIEW ROAD, BACK RIVER NECK ROAD 16" W STA. 48+12 RIGHT OF 8" W STA. 0+00 TO STA. 0+41 (AS NOTED X).
 - ABANDON APPROX. 22 L.F. OF EX. 8" W IN PLACE ALONG HUDSON VIEW ROAD, BACK RIVER NECK ROAD 16" W STA. 50+64 RIGHT OF 8" W STA. 0+00 TO STA. 0+38 (AS NOTED X).

HORIZONTAL CONTROL		
TRAVERSE POINT	NORTHING	EASTING
24	596254.52	1471056.41
110	596016.49	1471229.18

SHEET DESIGNATION		CONTRACT NUMBER	
WATER SH 10 OF 18		23186-WX0	
JOB ORDER NUMBER		SHEET 10 OF 44	
231-203-0067-0783		DRAWING NUMBER	
		2023-2713	
FILE NO.:			

SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES

CITY OF BALTIMORE REVISION - CITY OF BALTIMORE

SCALE: 1"=30' HORIZ. 1"=5' VERT.

DATE: 7-9-2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

ENGINEER: SHAWN BURNETT
THE WILSON T. BALLARD CO.
DESIGN BY: DS
DRAWN BY: TL
AS-BUILT PER RECORD PRINT
DATE: 7-9-2025

REVISION

BY: WTB
DATE: 2/2/26
P.W.A. NO.
KEY SHEET POSITION SH: I-SE 2NE34
DRAWING SCALE: PLAN SCALE: 1"=30' PROFILE SCALE: 1"=5' VERT. 1"=30' HORIZ.

DPW & TRANSPORTATION

SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION

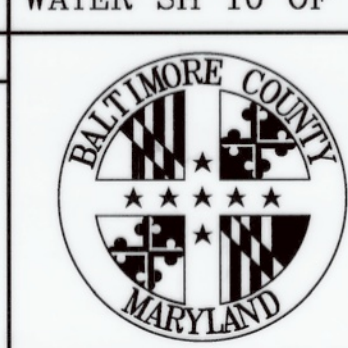
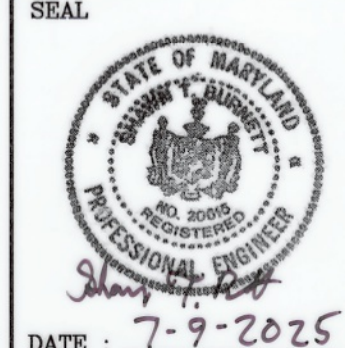
24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3

BACK RIVER NECK ROAD

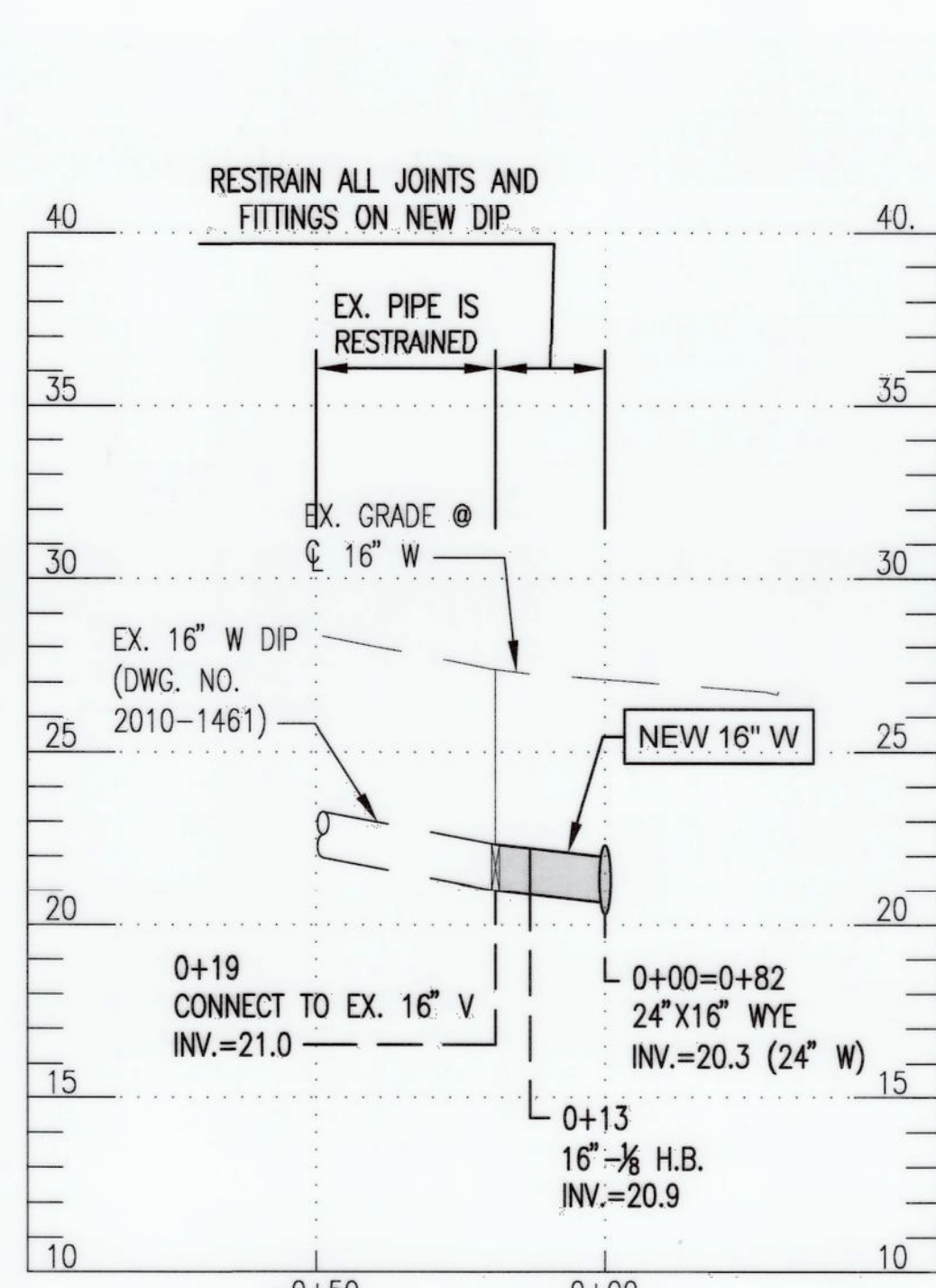
FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD

SUBDIVISION: BACK RIVER NECK PROP. 16" WATER MAIN PLAN (STA. 45+00 TO STA. 52+19)

ELECTION DIST. NO.: 15C7

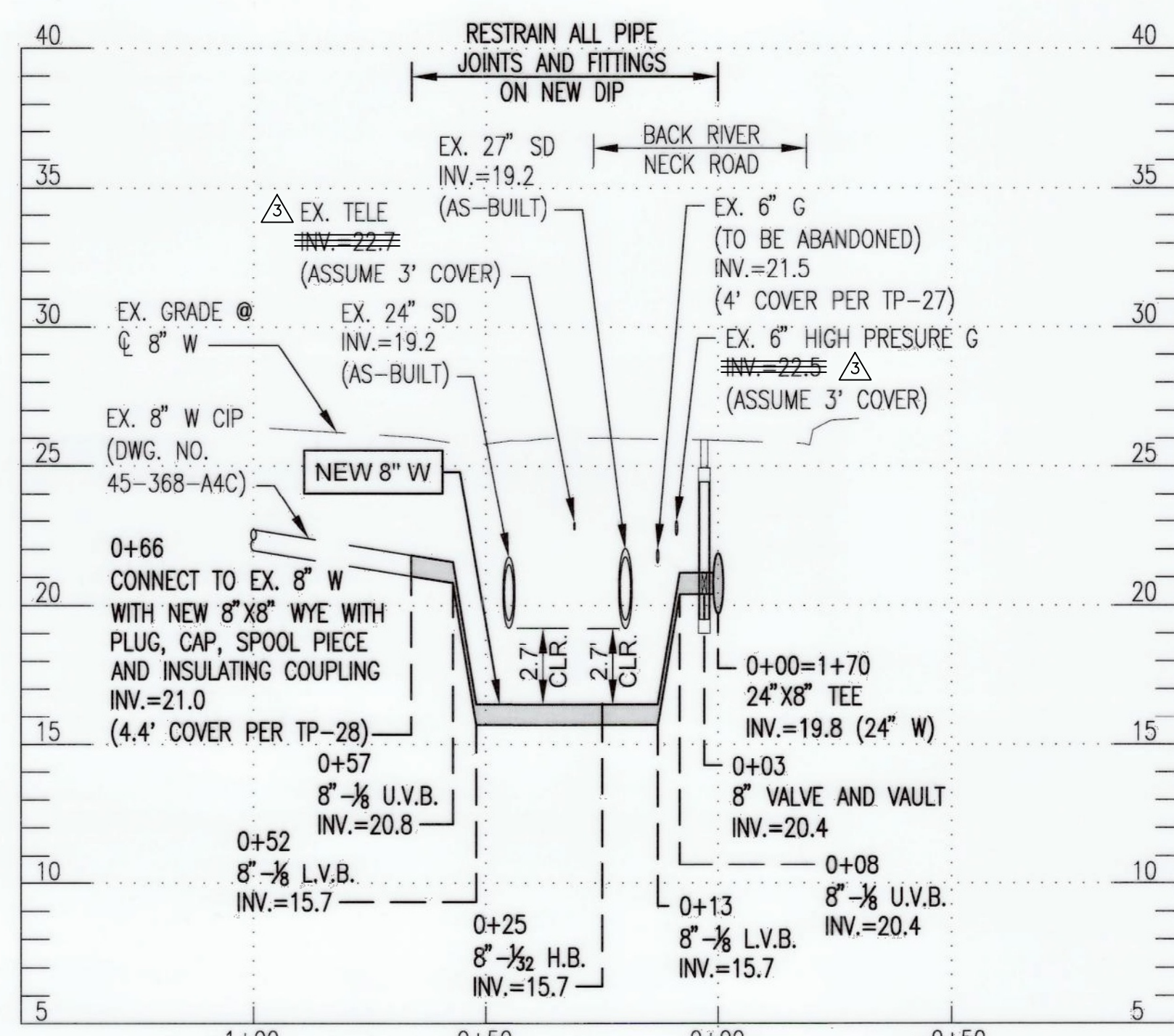


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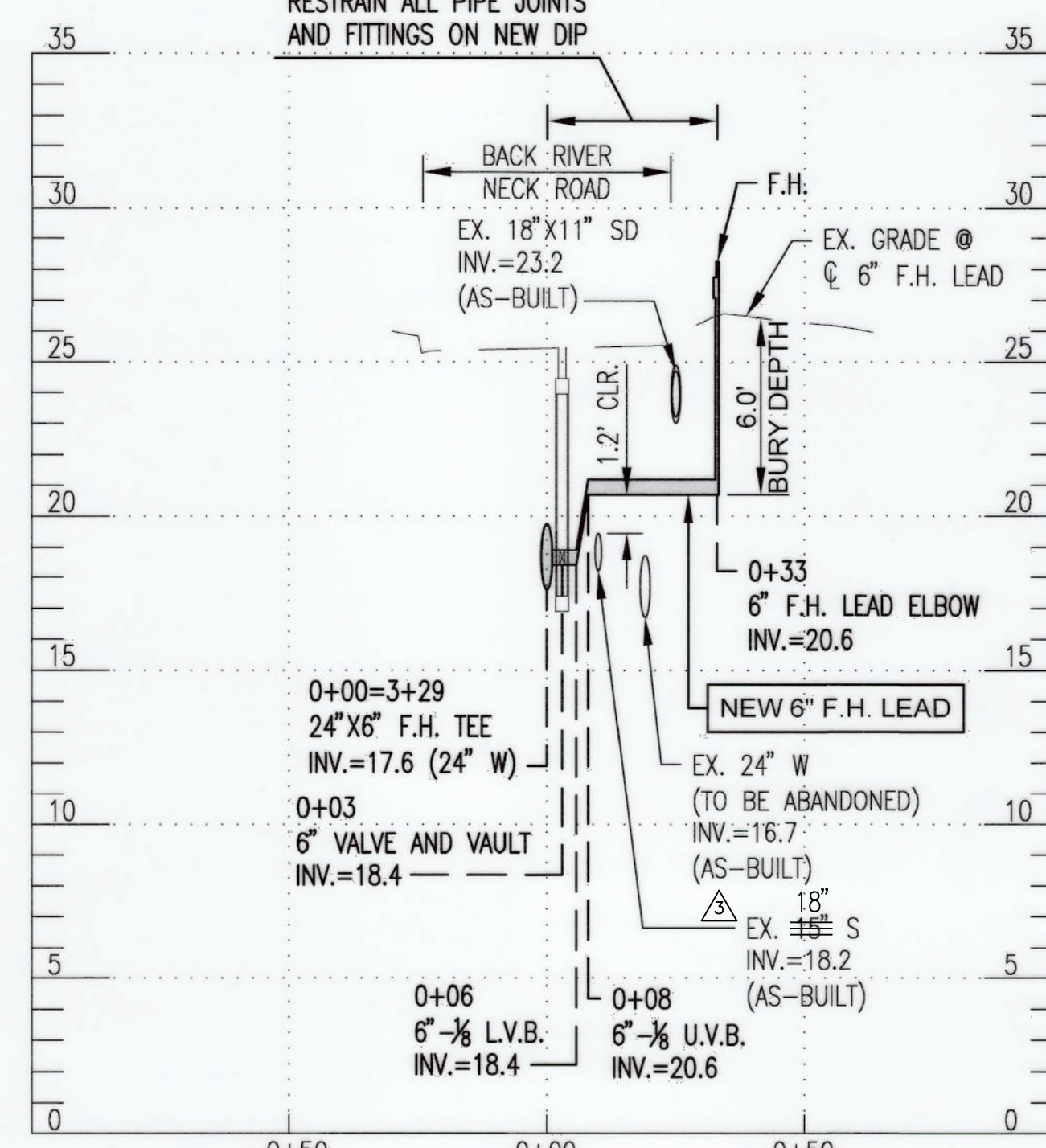
PROP. 24"x16 INTERCONNECT
(SEE SHEET 3)

SCALE: 1"=30' HORZ.
1"=5' VERT.



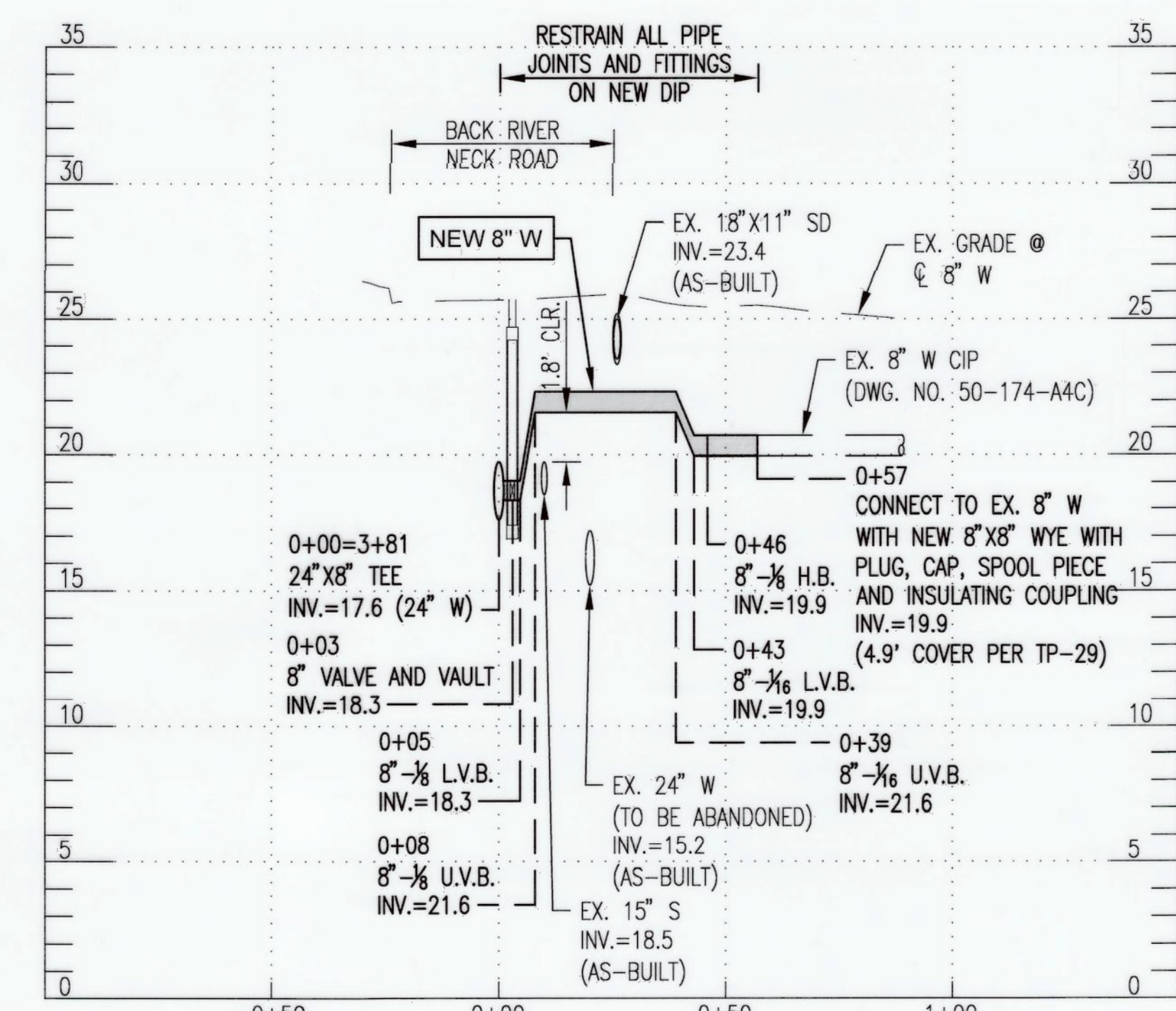
PROP. 8" WATER - HOPEWELL AVENUE EAST
(SEE SHEET 3)

SCALE: 1"=30' HORZ.
1"=5' VERT.



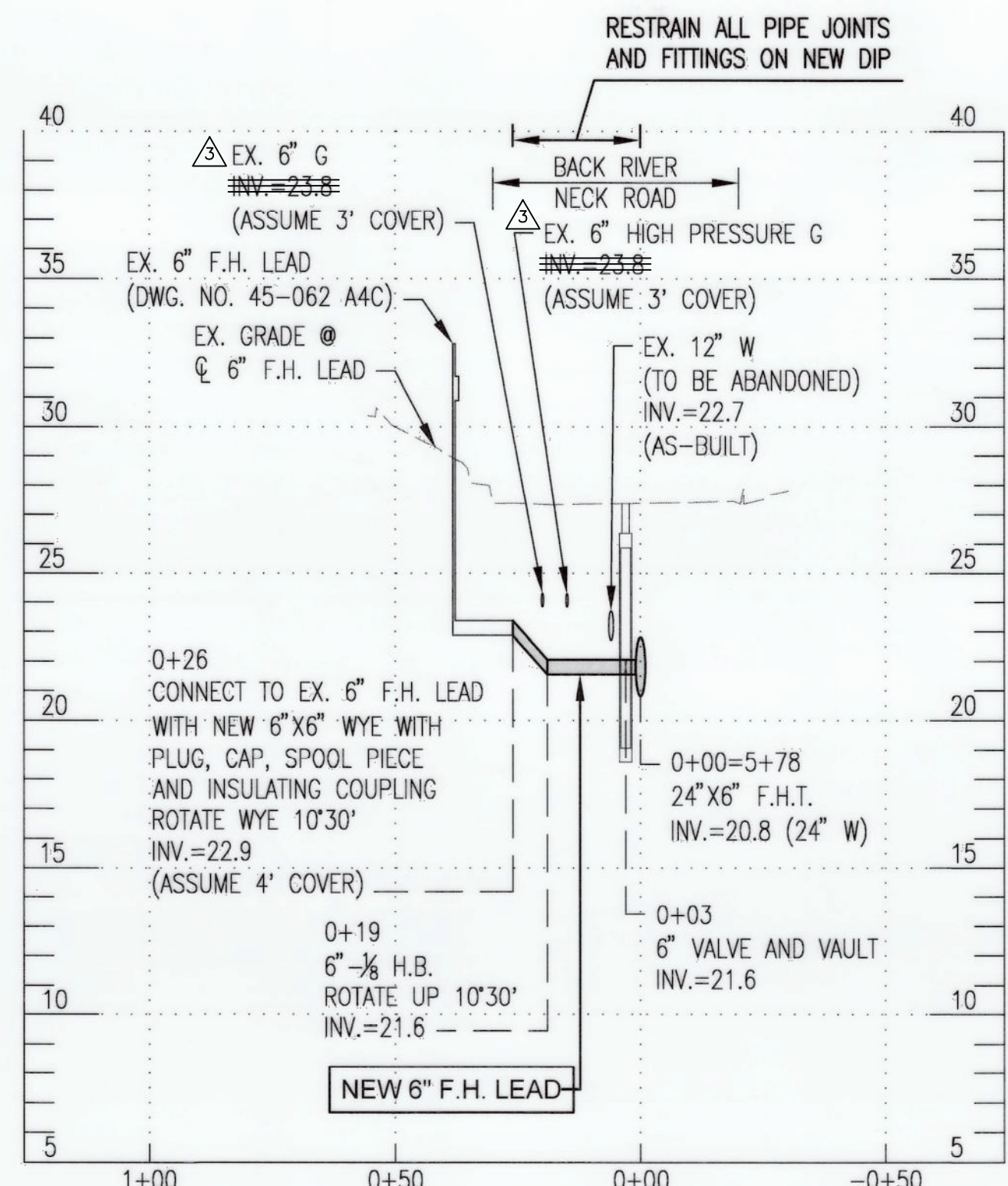
PROP. 6" F.H. LEAD
BACK RIVER NECK ROAD 24" W STA. 3+29
(SEE SHEET 4)

SCALE: 1"=30' HORZ.
1"=5' VERT.



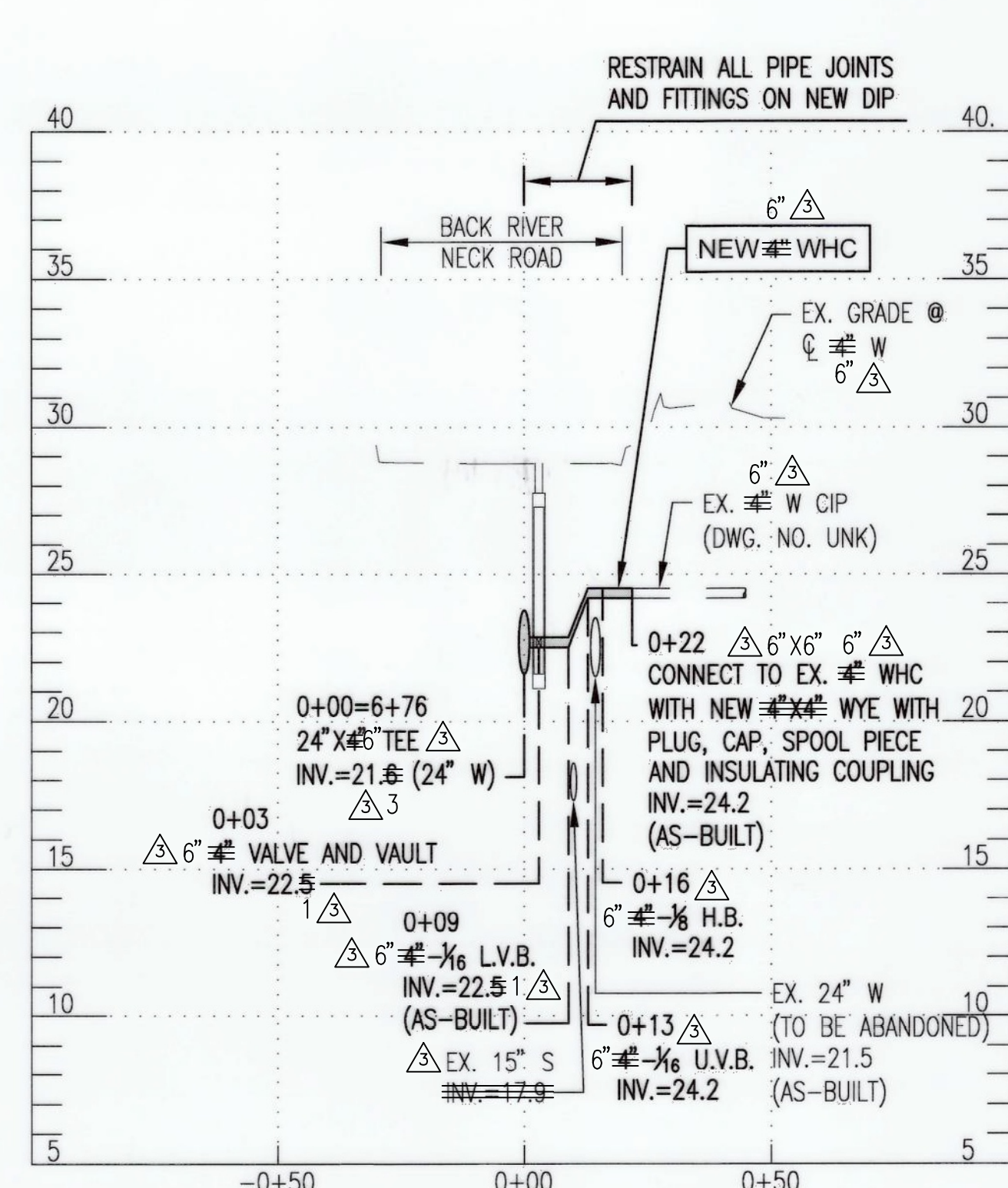
PROP. 8" WATER - HOPEWELL AVENUE WEST
(SEE SHEET 4)

SCALE: 1"=30' HORZ.
1"=5' VERT.



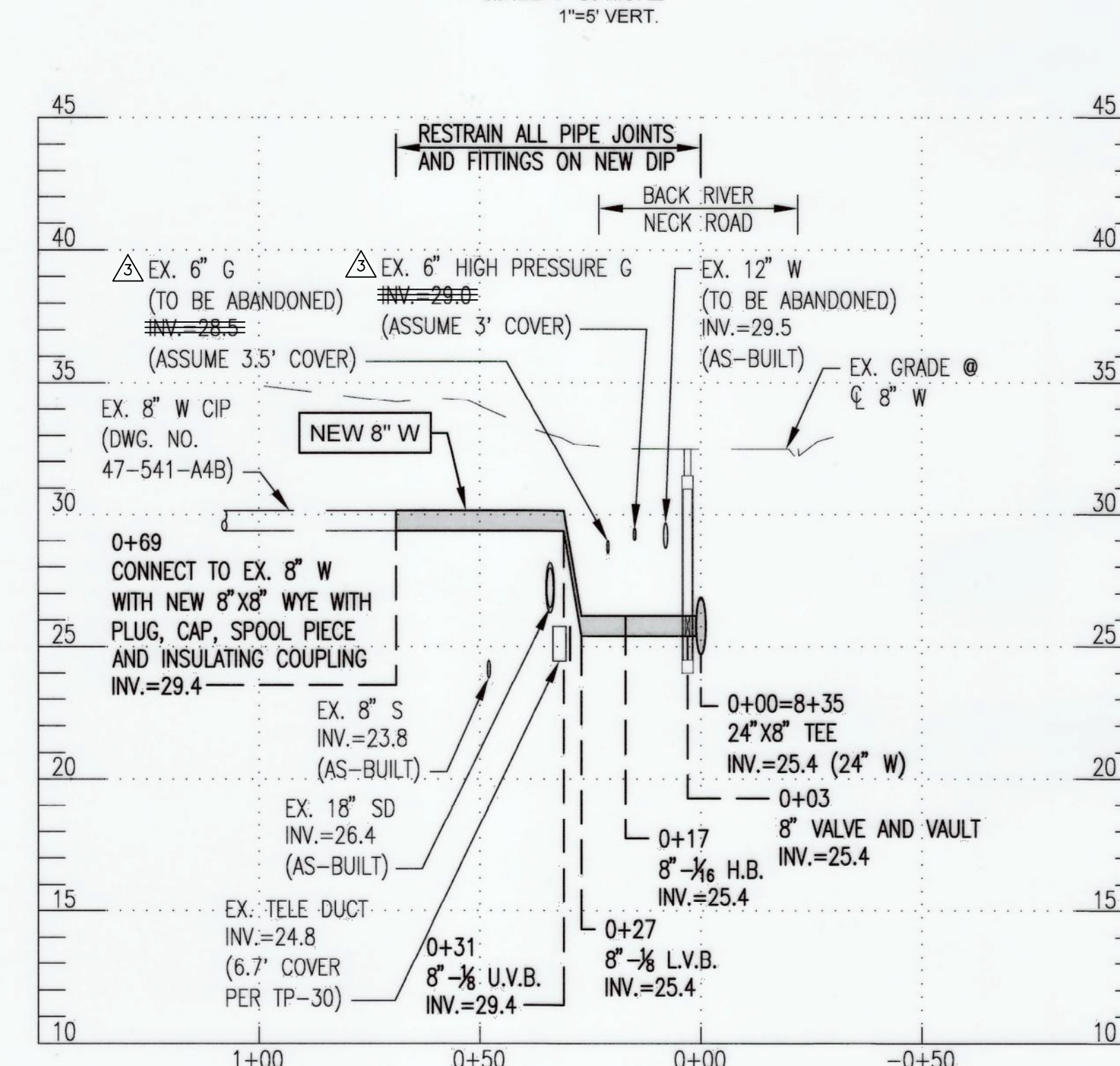
PROP. 6" F.H. LEAD
BACK RIVER NECK ROAD 24" W STA. 5+78
(SEE SHEET 4)

SCALE: 1"=30' HORZ.
1"=5' VERT.



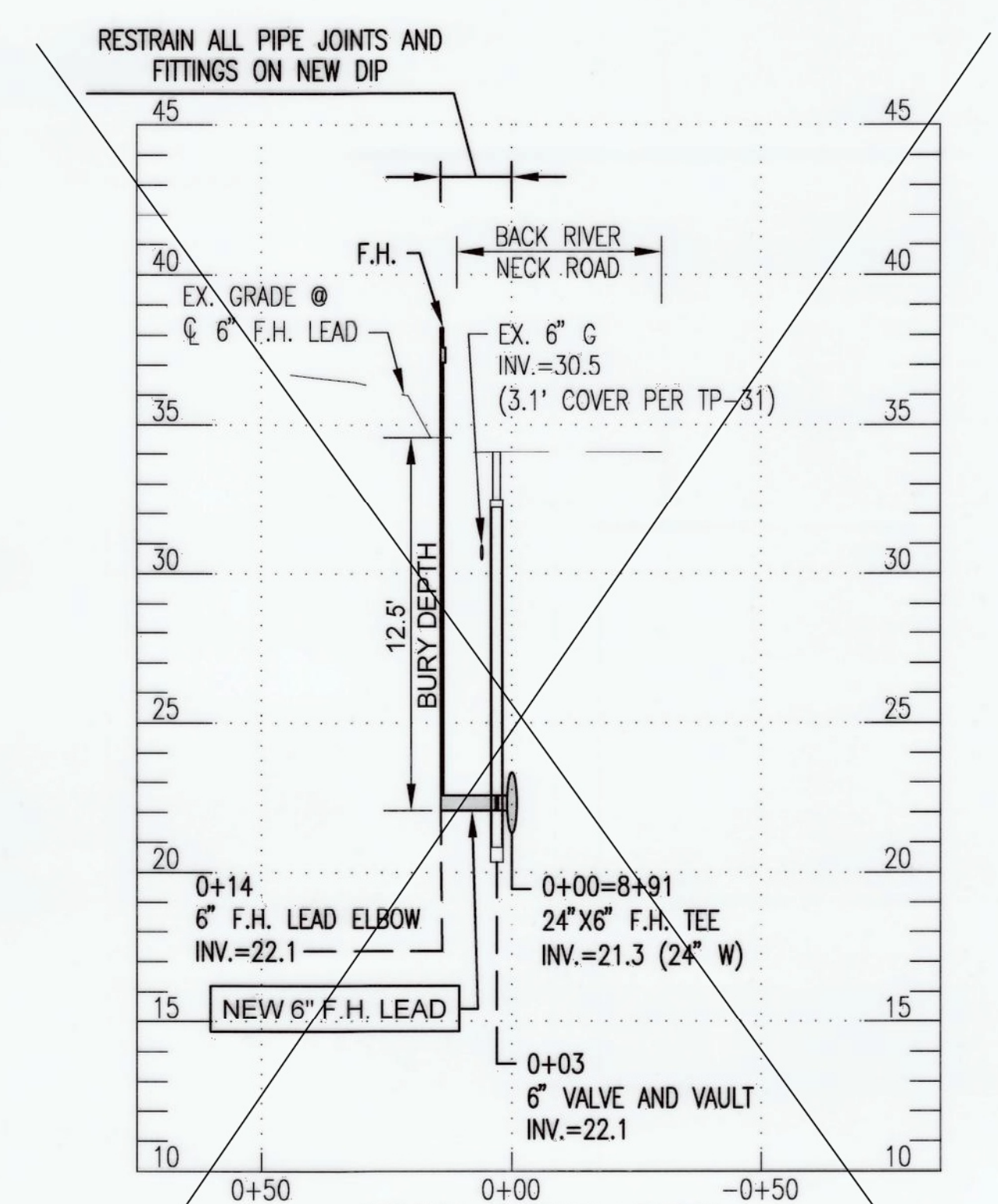
PROP. 6" WHC
BACK RIVER NECK ROAD 24" W STA. 6+76
(SEE SHEET 4)

SCALE: 1"=30' HORZ.
1"=5' VERT.



PROP. 8" WATER - HOWARD AVENUE
(SEE SHEET 4)

SCALE: 1"=30' HORZ.
1"=5' VERT.



PROP. 6" F.H. LEAD
BACK RIVER NECK ROAD 24" W STA. 8+91
(SEE SHEET 4)

SCALE: 1"=30' HORZ.
1"=5' VERT.

CITY OF BALTIMORE	REVISION - CITY OF BALTIMORE
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	

SEAL	PROFESSIONAL CERTIFICATION	REVISION	BY	DATE	P.W.A. NO.	KEY SHEET POSITION	SHT	DRAWING SCALE	DPW & TRANSPORTATION
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.	ADDENDUM 1	WTB	9/24/25				PLAN SCALE: 1"=30'	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
		ADDENDUM 3	WTB	2/2/26				PROFILE SCALE: 1"=30'	
ENGINEER: SHAWN BURNETT THE WILSON T. BALLARD CO.	DESIGN BY: DS DRAWN BY: TL AS-BUILT PER RECORD PRINT	BUREAU OF ENGINEERING AND CONSTRUCTION BUILDINGS HIGHWAYS STRUCTURES STORM DRAINS SEWER WATER FIELD ENGINEER	REVIEWED BY: DATE REVIEWED:	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES				HUR OF ENGINEERING & CONSTRUCTION SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION

24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3

BACK RIVER NECK ROAD

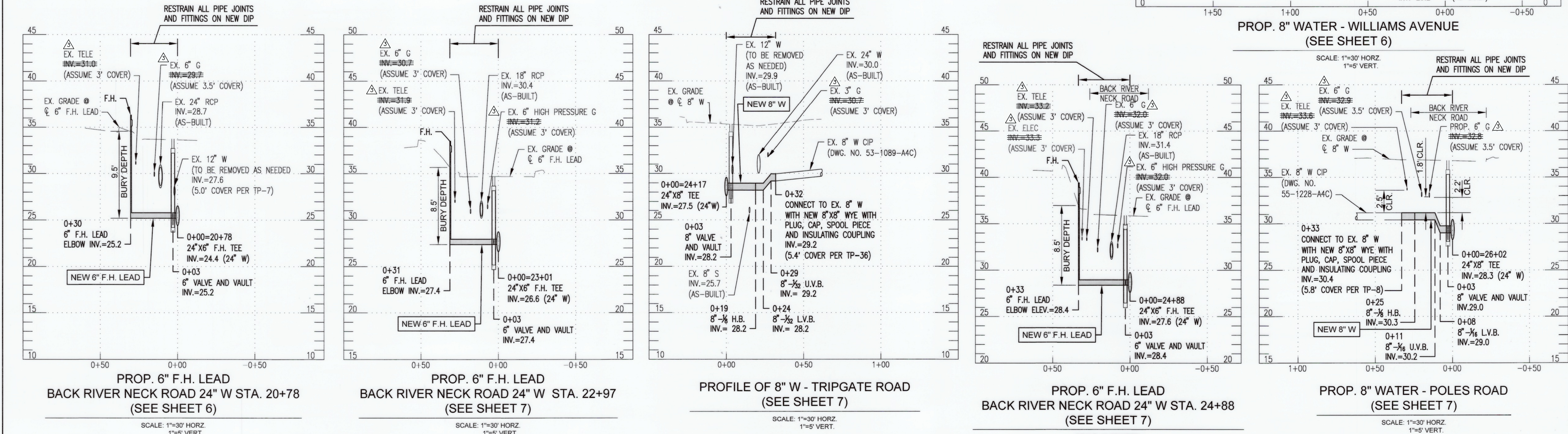
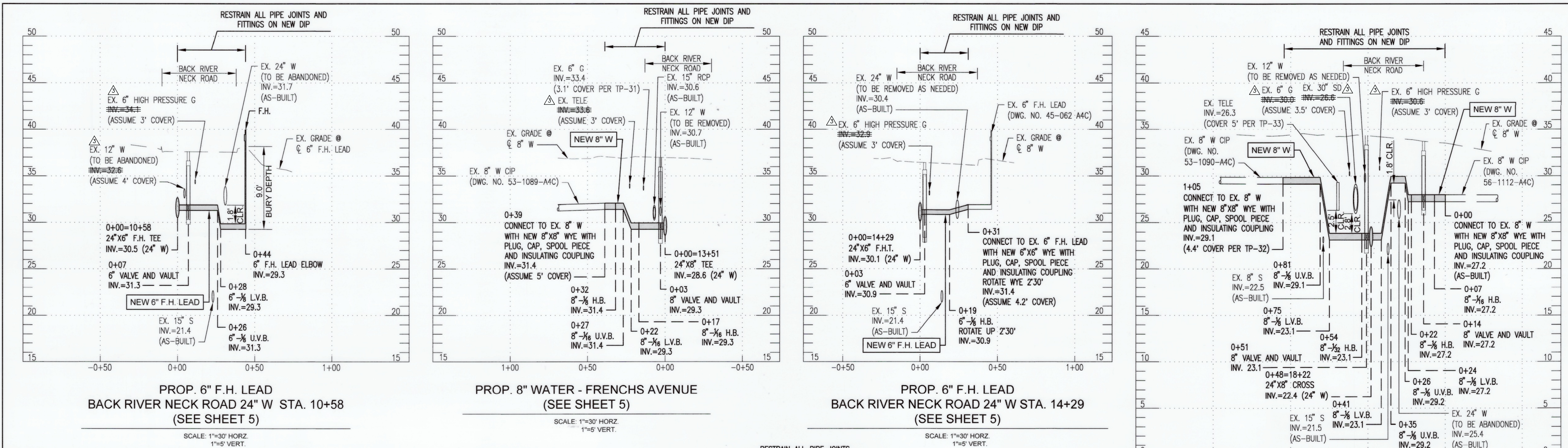
FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD

SUBDIVISION: BACK RIVER NECK PROP. WATER MAIN BRANCH CONNECTIONS AND FIRE HYDRANT PROFILES ELECTION DIST. NO.:15C7

SHEET DESIGNATION	CONTRACT NUMBER
WATER SH 11 OF 18	23186-WXO
JOB ORDER NUMBER	
231-203-0067-0783	
SHEET 11 OF 44	
DRAWING NUMBER	
2023-2714	
FILE NO.:	

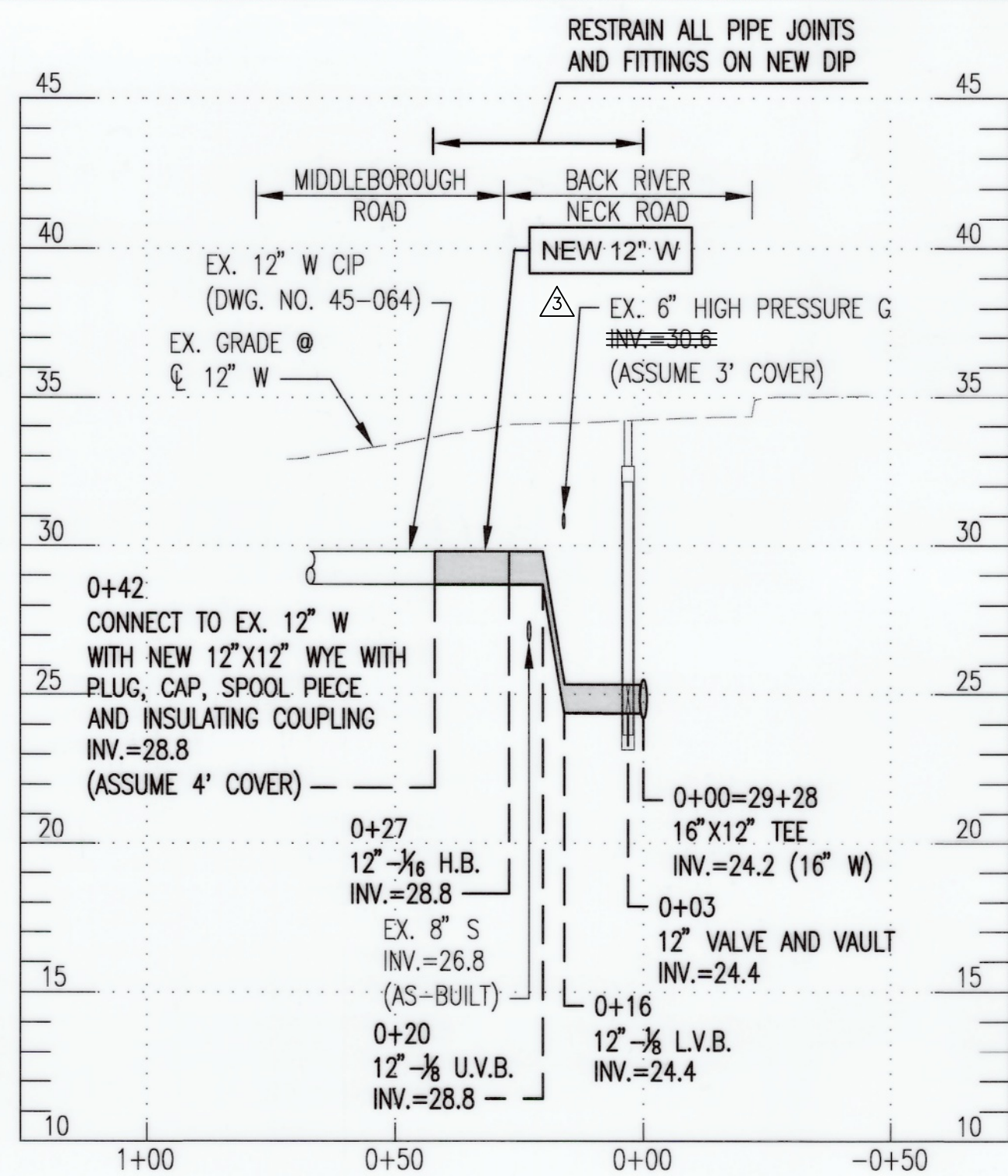
Contract No. 23186 WXO
Addendum No. 3
Revised, March 13, 2026

DWG. FILENAME: T:\Baltimore County Utilities\800-122.03 Back River Neck Road Phase 3\DWG\pUP-0001-BRNR-ADDENDUM 3.dwg



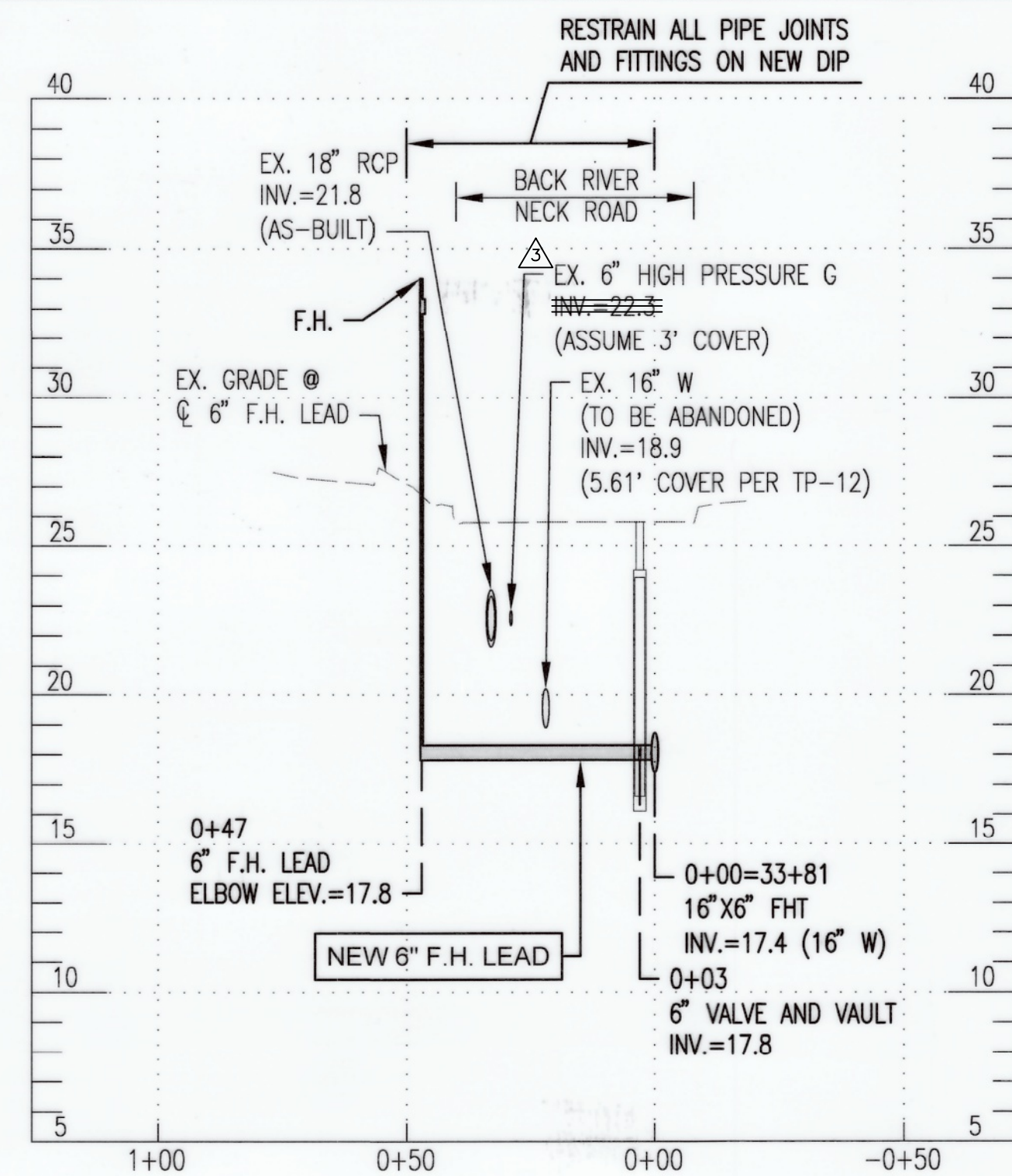
CITY OF BALTIMORE		REVISION - CITY OF BALTIMORE	
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES			
	PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.		REVISION BY: WTB DATE: 2/2/26 P.W.A. NO.: KEY SHEET POSITION SH#: R.O.W. NO.
	ENGINEER: SHAWN BURNETT THE WILSON T. BALLARD CO. AS-BUILT PER RECORD PRINT BY: DATE:	DESIGN BY: DS DRAWN BY: TL CHECK BY: SB BUREAU OF ENGINEERING AND CONSTRUCTION REVIEWED BY: DATE REVIEWED:	BUILDINGS HIGHWAYS STRUCTURES STORM DRAINS SEWER WATER FIELD ENGINEER BUR. OF ENGINEERING & CONSTRUCTION
BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION 24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3 BACK RIVER NECK ROAD FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD SUBDIVISION: BACK RIVER NECK PROP. WATER MAIN BRANCH CONNECTIONS AND FIRE HYDRANT PROFILES ELECTION DIST. NO.: 15C7			
SHEET DESIGNATION: WATER SH 12 OF 18 CONTRACT NUMBER: 23186-WX0 JOB ORDER NUMBER: 231-203-0067-0783 SHEET 12 OF 44 DRAWING NUMBER: 2023-2715 FILE NO.:			

DWG. FILENAME: T:\Baltimore County Utilities\000-122.03 Back River Neck Road Phase 3\DWG\2023-2704-BRNEK-ADDENDUM 3.dwg



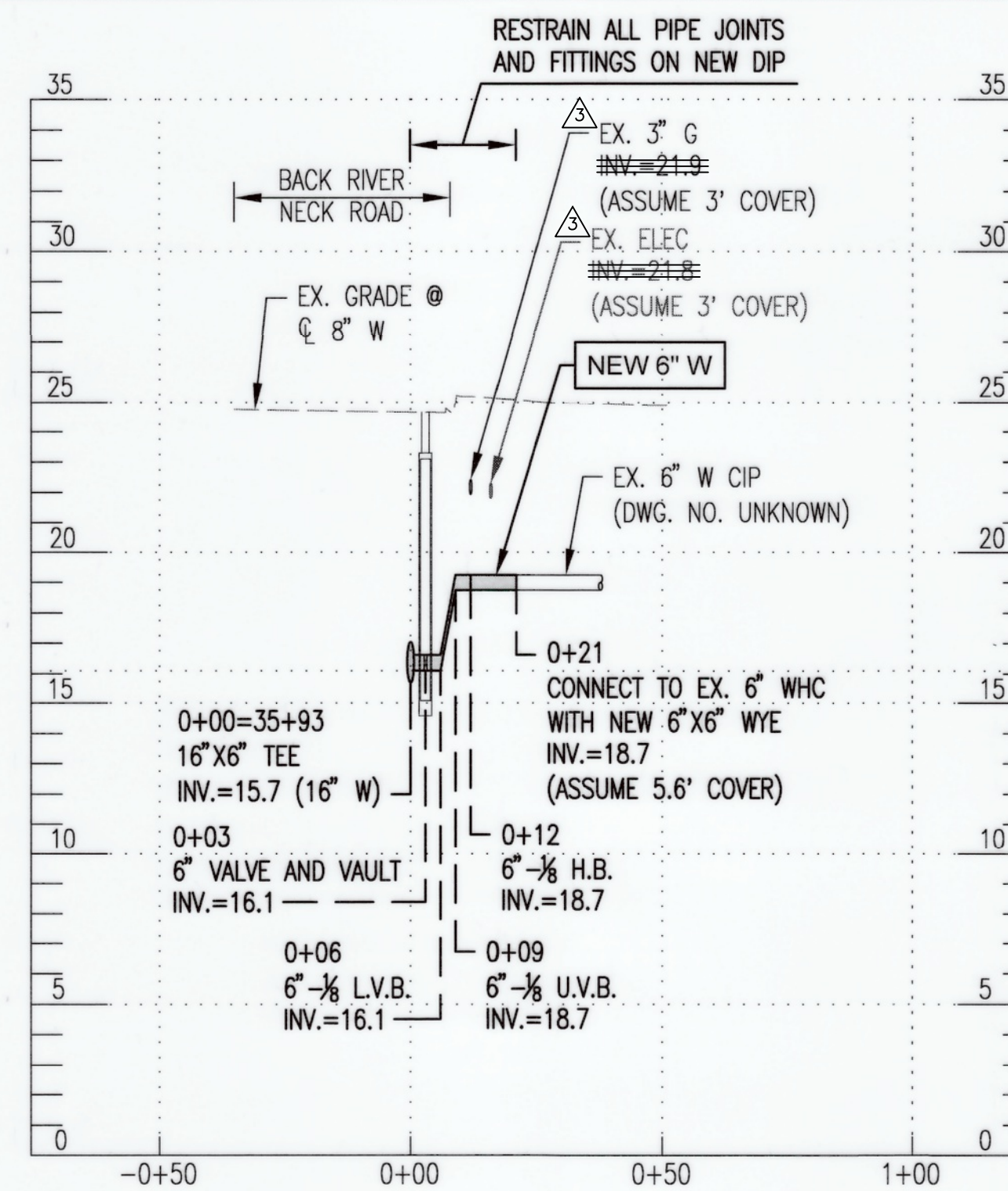
PROP. 12" WATER - MIDDLEBOROUGH ROAD
(SEE SHEET 7)

SCALE: 1"=30' HORZ.
1"=5' VERT.



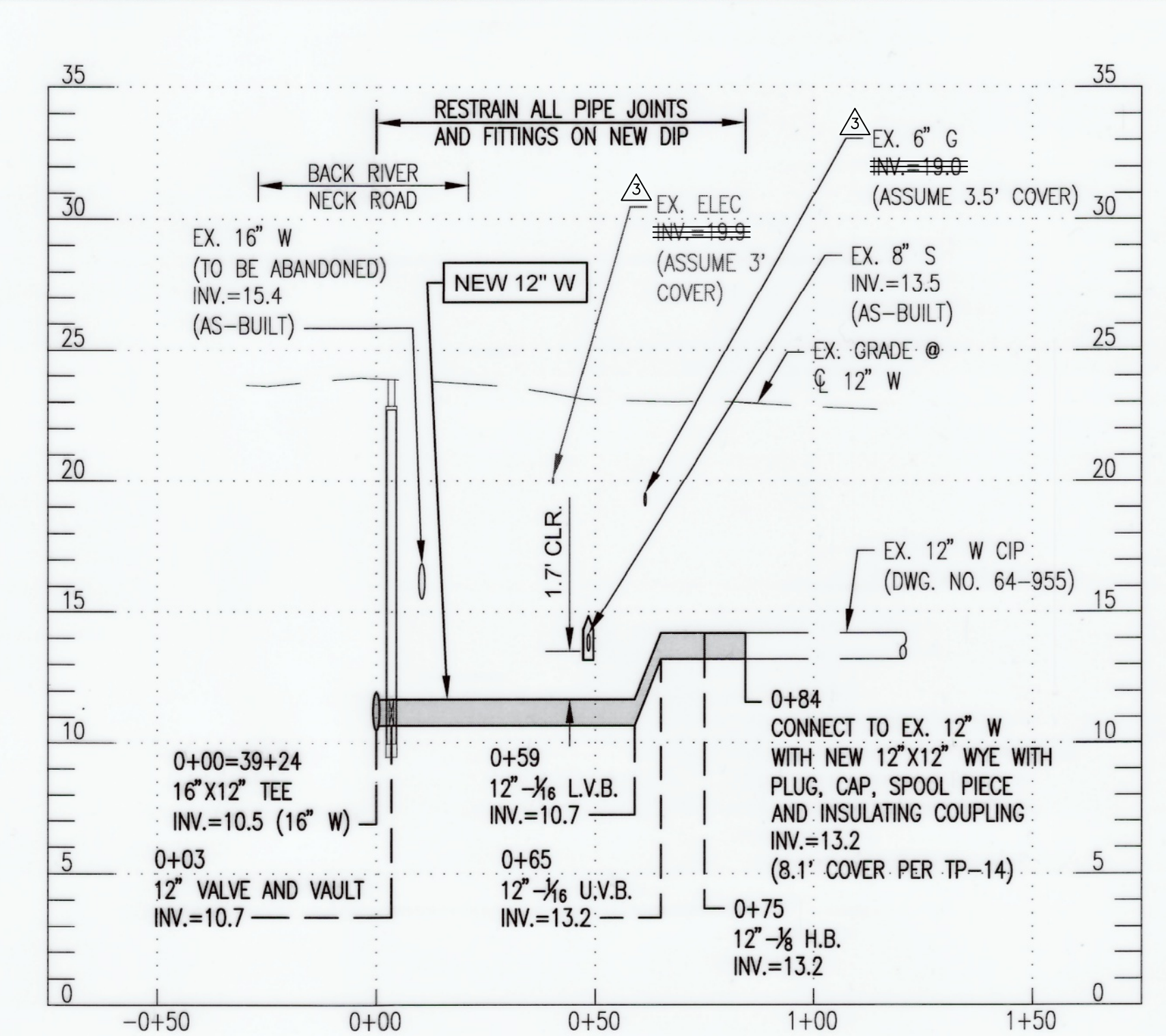
PROP. 6" F.H. LEAD
BACK RIVER NECK ROAD 16" W STA. 33+81
(SEE SHEET 8)

SCALE: 1"=30' HORZ.
1"=5' VERT.



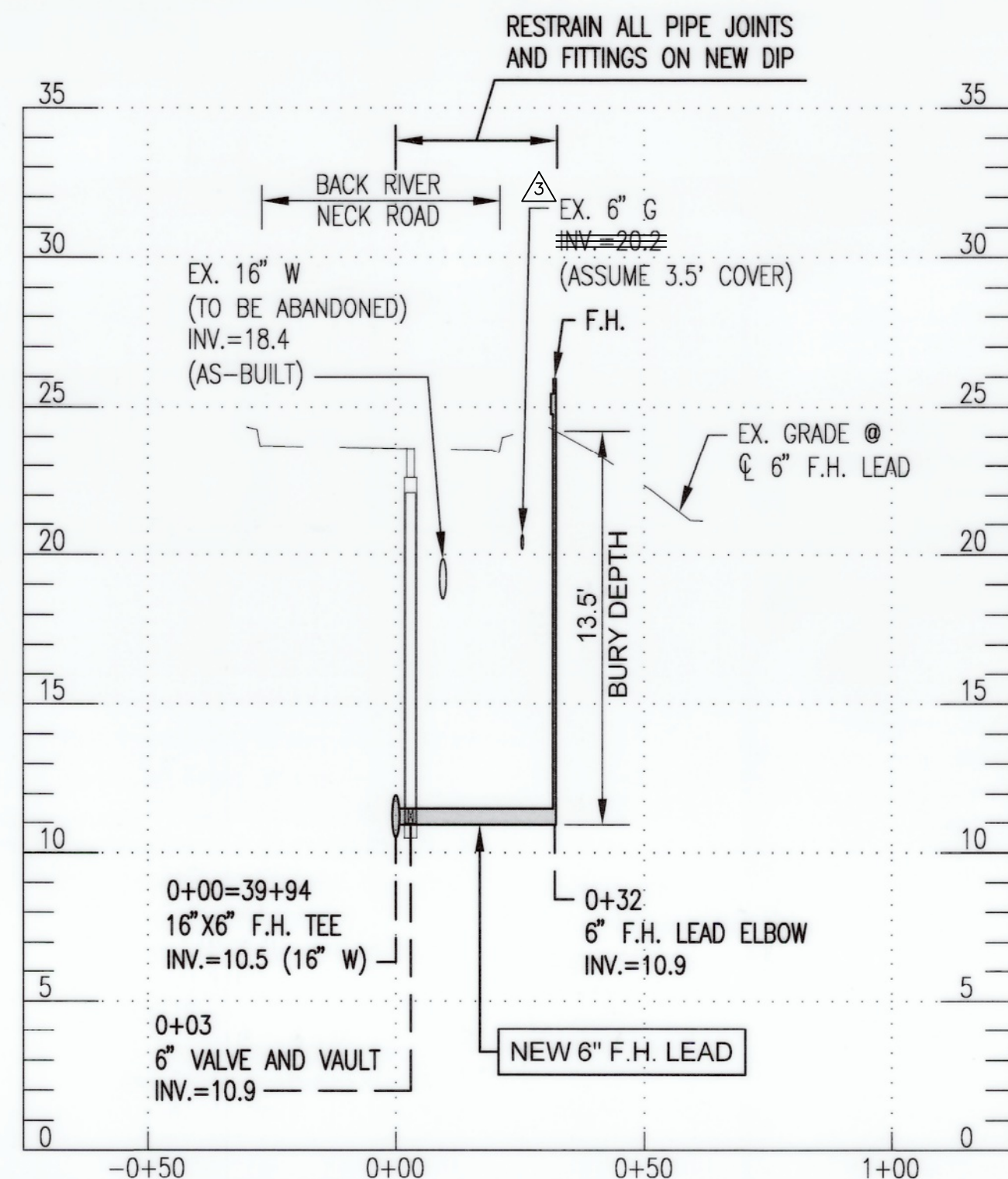
PROP. 6" WHC
BACK RIVER NECK ROAD 16" W STA. 35+93
(SEE SHEET 8)

SCALE: 1"=30' HORZ.
1"=5' VERT.



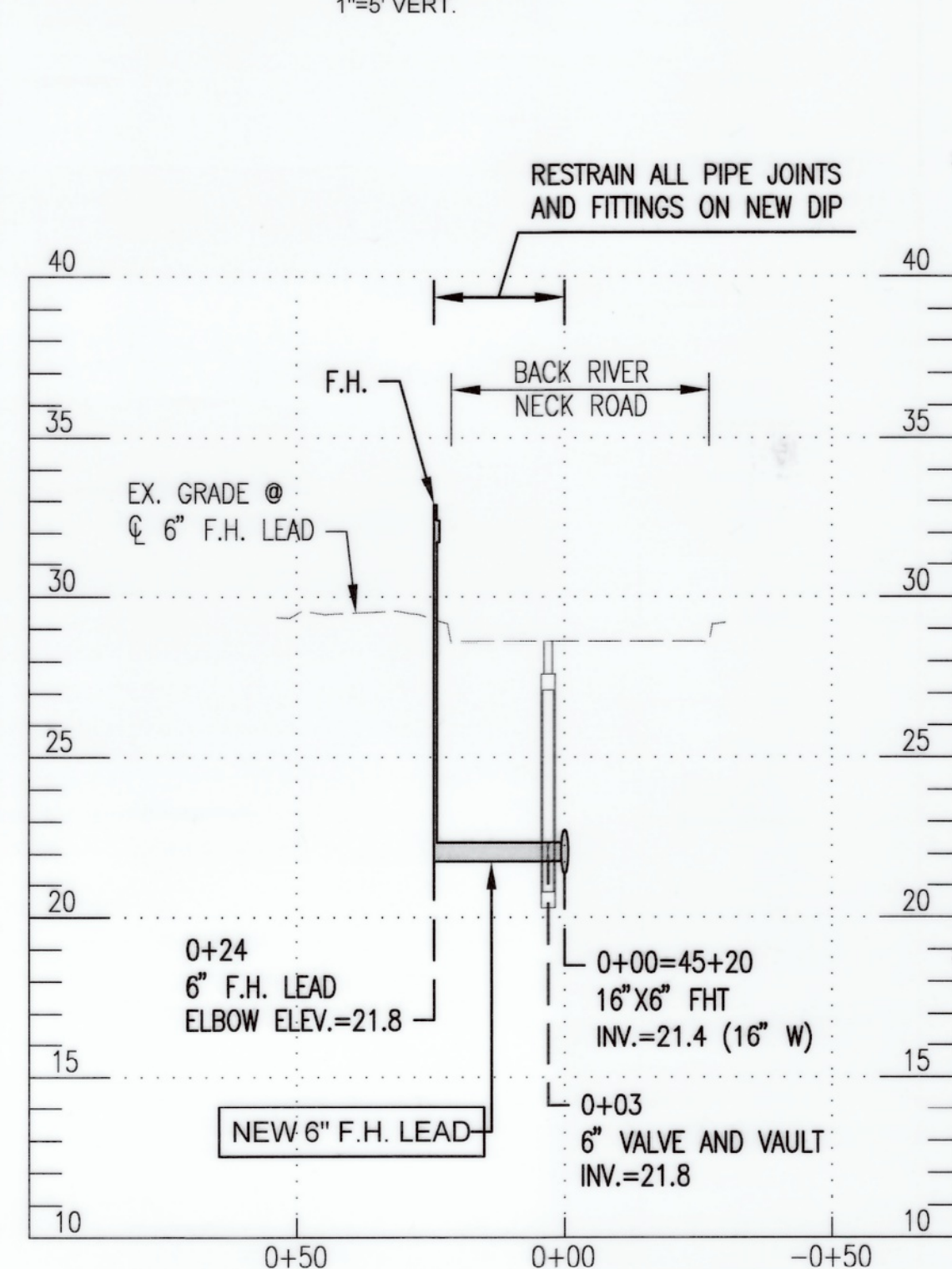
PROP. 12" WATER
MIDDLEBOROUGH ROAD/BACK RIVER NECK ROAD 16" W STA. 39+24
(SEE SHEET 9)

SCALE: 1"=30' HORZ.
1"=5' VERT.



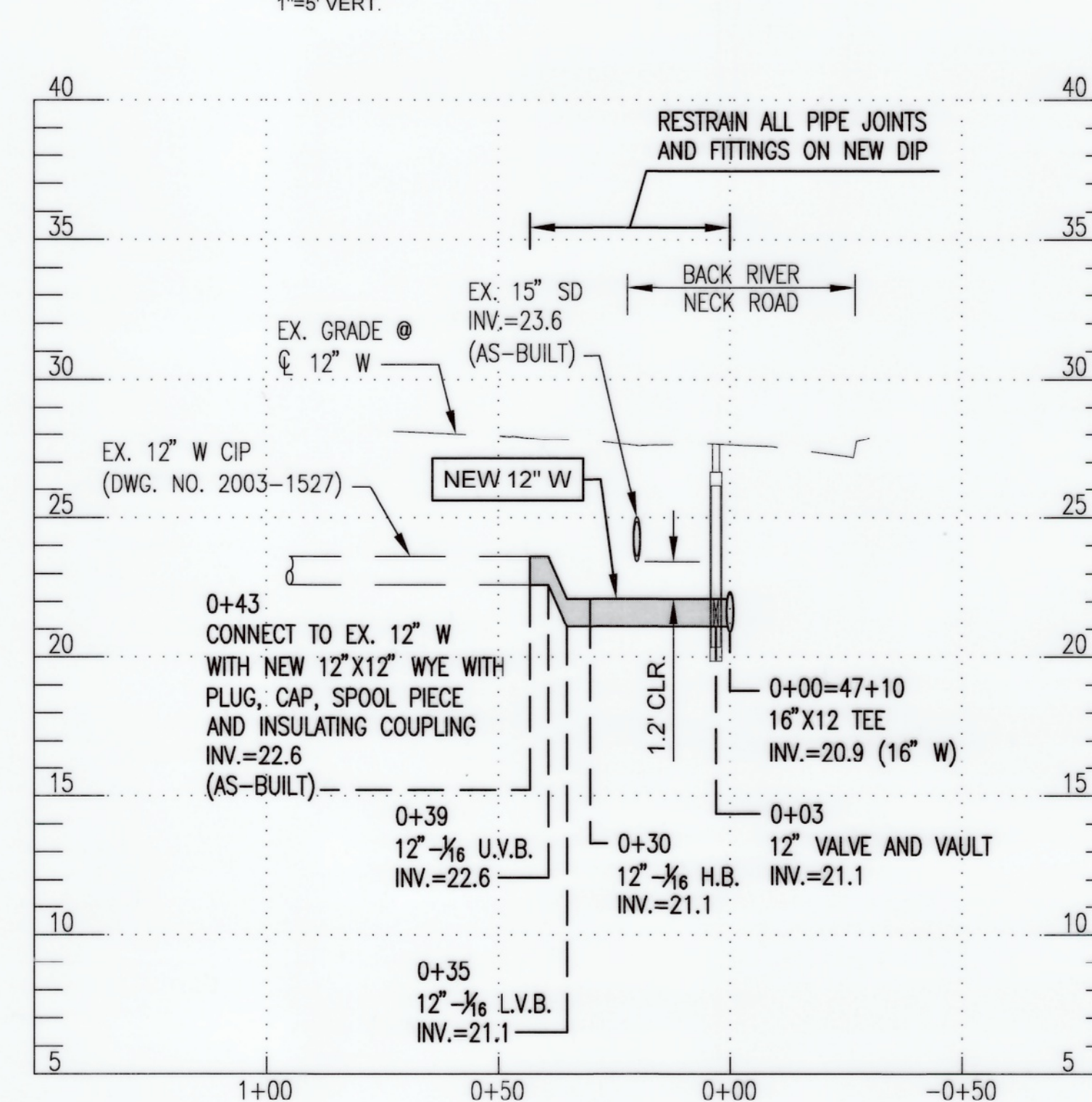
PROP. 6" F.H. LEAD
BACK RIVER NECK ROAD 16" W STA. 39+94
(SEE SHEET 9)

SCALE: 1"=30' HORZ.
1"=5' VERT.



PROP. 6" F.H. LEAD
BACK RIVER NECK ROAD 16" W STA. 45+20
(SEE SHEET 10)

SCALE: 1"=30' HORZ.
1"=5' VERT.



PROP. 12" WATER - BROWNS ROAD
(SEE SHEET 10)

SCALE: 1"=30' HORZ.
1"=5' VERT.

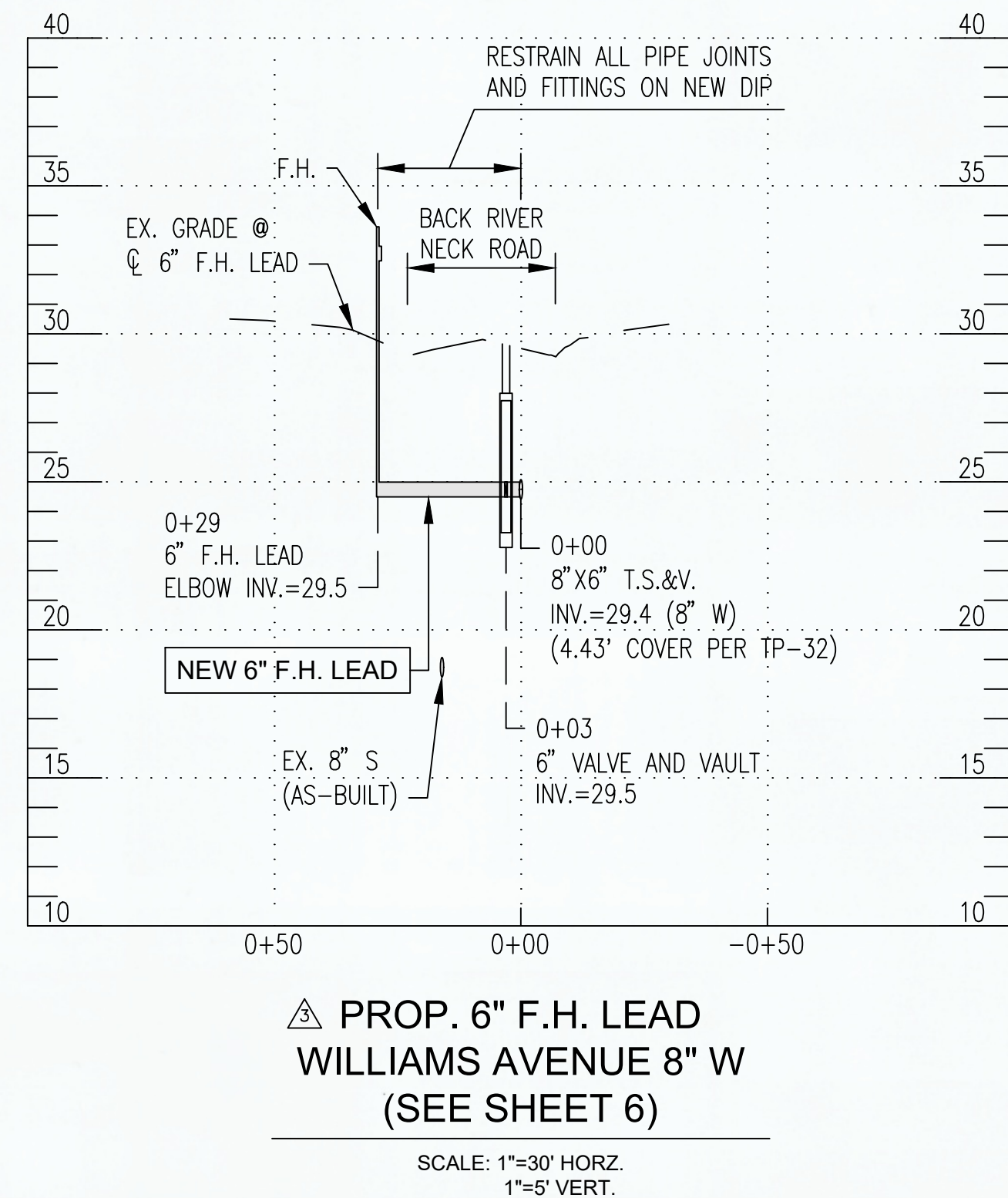
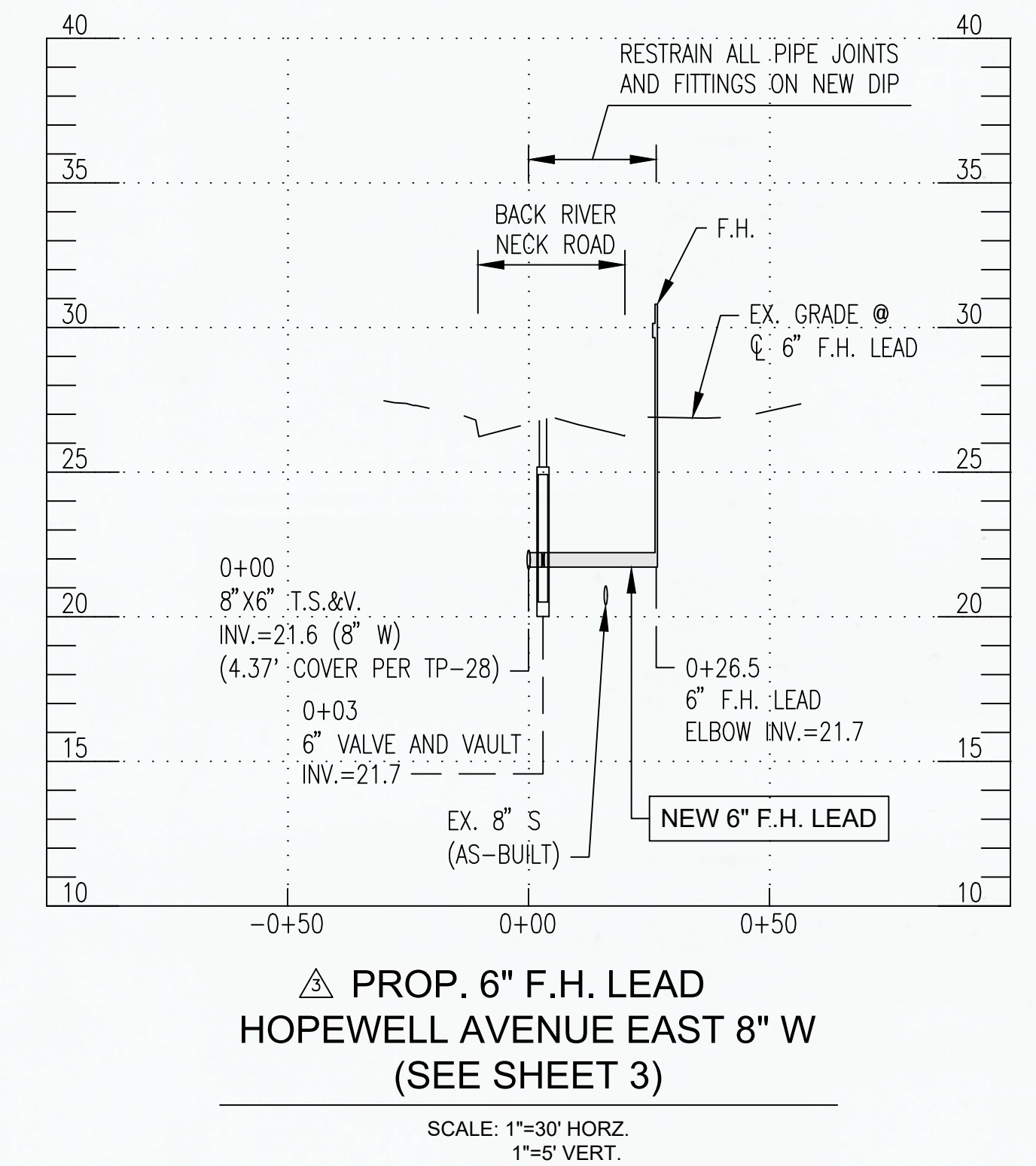
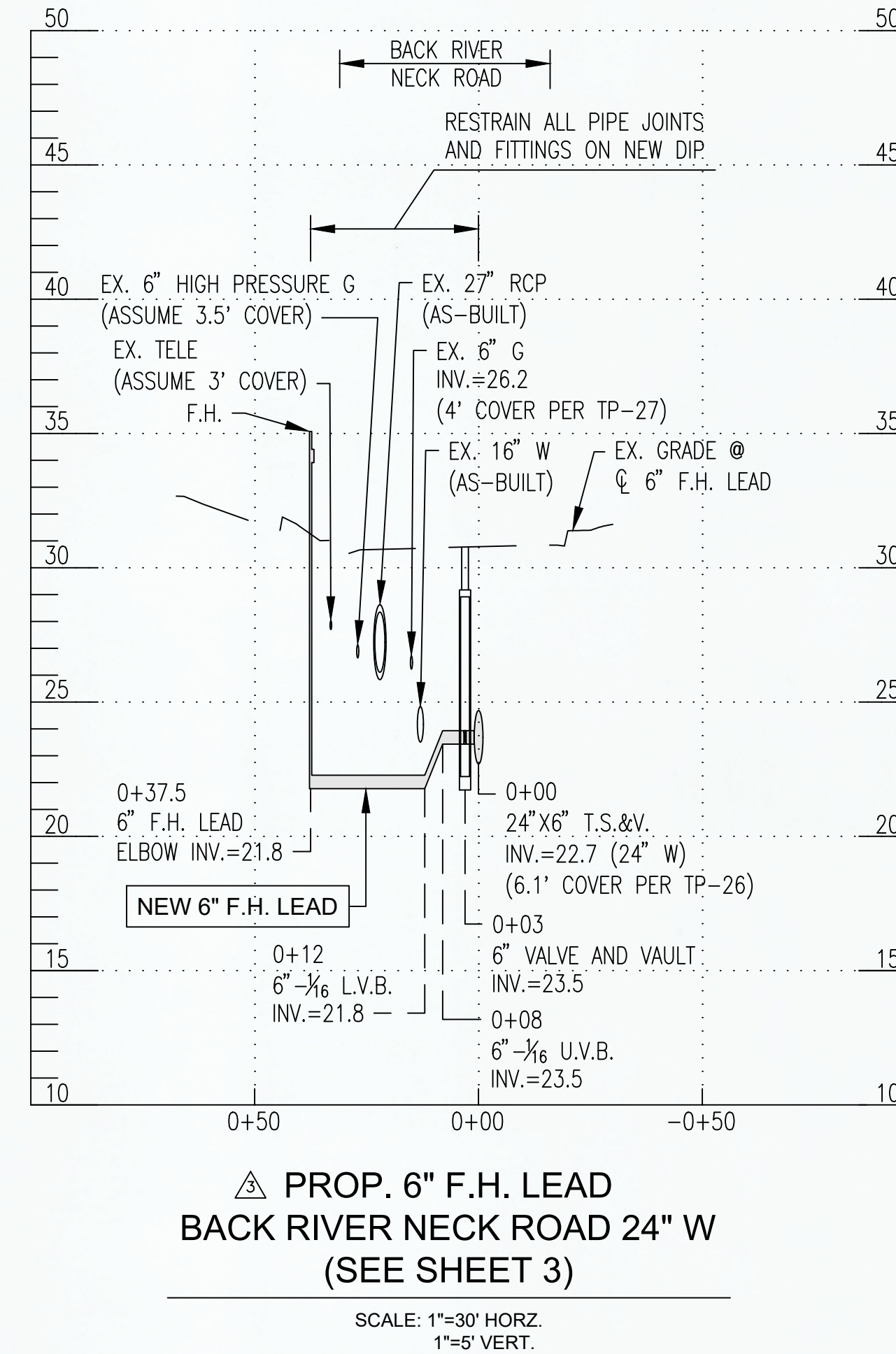
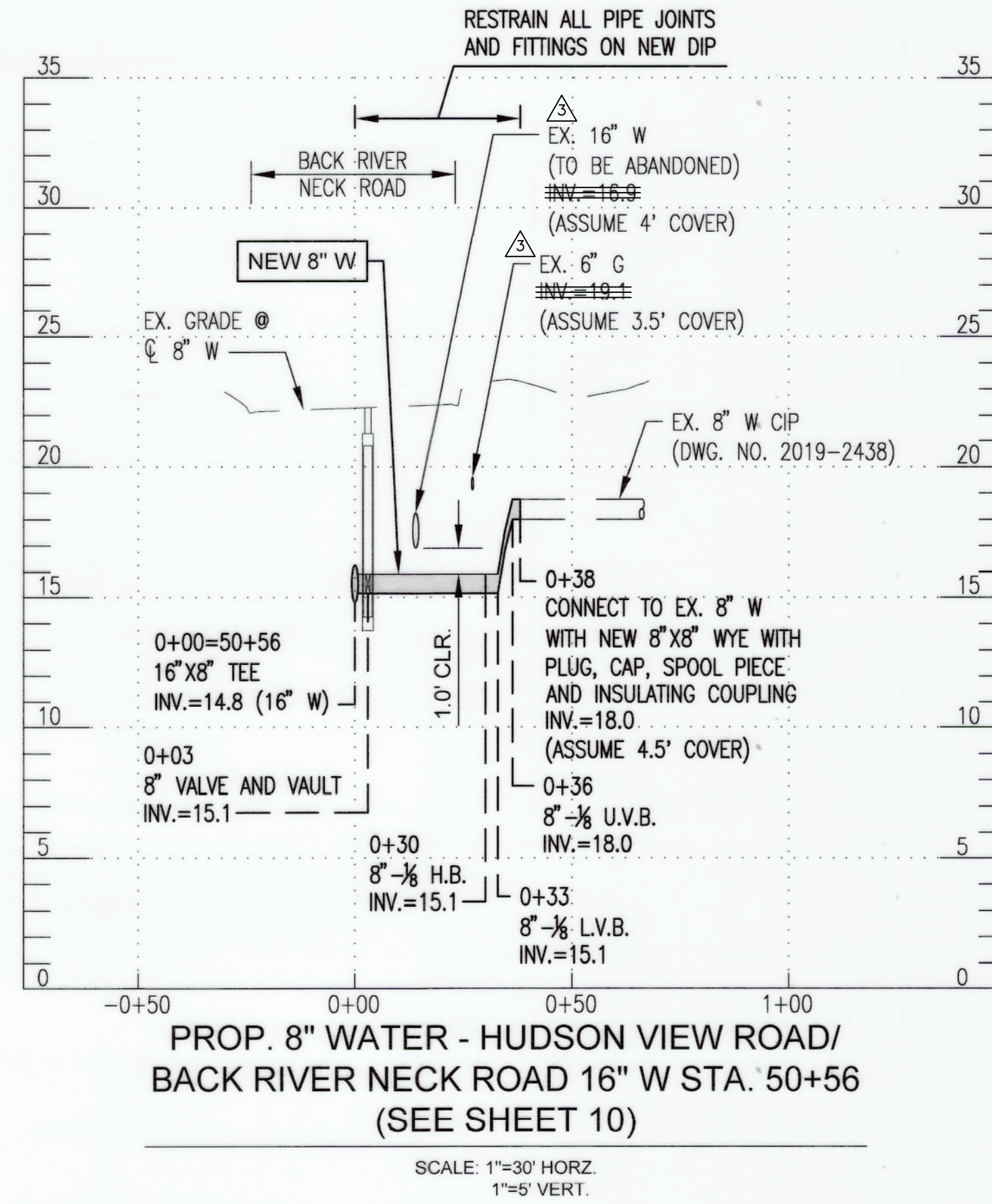
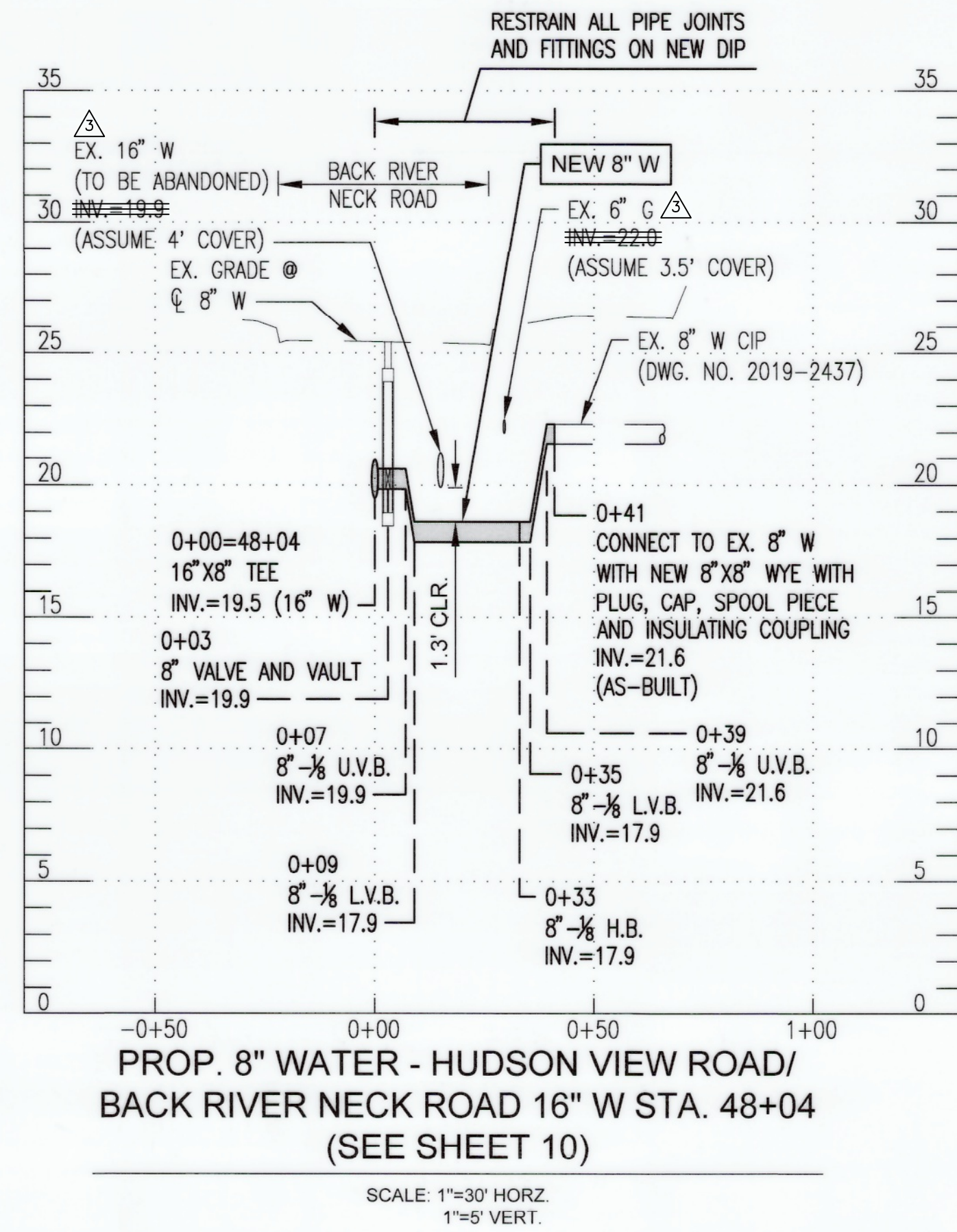
CITY OF BALTIMORE	REVISION - CITY OF BALTIMORE
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	

SEAL	PROFESSIONAL CERTIFICATION	REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION	SHT	DRAWING SCALE	DPW & TRANSPORTATION
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20815, EXPIRATION DATE 10/21/26	ADDENDUM 3	WTB	2/2/26					1"=30'	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
										1"=30'
	ENGINEER: SHAWN BURNETT THE WILSON T. BALLARD CO. DESIGN BY: DS DRAWN BY: TL AS-BUILT PER RECORD PRINT BY: DATE:	BUREAU OF ENGINEERING AND CONSTRUCTION BUILDINGS HIGHWAYS STRUCTURES STORM DRAINS SEWER WATER FIELD ENGINEER REVIEWED BY: DATE REVIEWED:								SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION
 24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3
 BACK RIVER NECK ROAD
 FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD
 SUBDIVISION: BACK RIVER NECK PROP. WATER MAIN BRANCH CONNECTIONS ARE FIRE HYDRANT PROFILES ELECTION DIST. NO.: 15C7

CONTRACT COMPLETION BOX	
CONTRACTOR:	
DATE COMPLETED:	
INSPECTOR:	
PIPE MATERIAL:	
CATHODIC PROTECTION SYSTEM METHOD (POTABLE WATER ONLY):	
<input type="checkbox"/> BONDED COATED PIPE	PIPE DIAMETER(S):
<input type="checkbox"/> 3/A - ZINC COATED PIPE	PIPE DIAMETER(S):
<input type="checkbox"/> WITH POLYETHYLENE ENCASUREMENT	PIPE DIAMETER(S):
<input type="checkbox"/> OTHER (SPECIFY):	PIPE DIAMETER(S):
SHEET DESIGNATION	CONTRACT NUMBER
WATER SH 13 OF 18	23186-WXO
JOB ORDER NUMBER	
231-203-0087-0783	
SHEET 13 OF 44	
DRAWING NUMBER	
2023-2716	
FILE NO.:	

DWG. FILENAME: T:\Baltimore County Utilities\800-122.03 Back River Neck Road Phase 3\DWG\Gulp-0003_BRNR-ADDENDUM 3.dwg



CITY OF BALTIMORE	REVISION - CITY OF BALTIMORE
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	

SEAL	PROFESSIONAL CERTIFICATION	REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION	SHT	DRAWING SCALE	DPW & TRANSPORTATION
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20615 EXPIRATION DATE 10/21/26	3	WTB	2/2/26						
		ADDENDUM 3								
ENGINEER: SHAWN BURNETT THE WILSON T. BALLARD CO.	DESIGN BY: DS	BUREAU OF ENGINEERING AND CONSTRUCTION	BUILDINGS	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	BUR. OF ENGINEERING & CONSTRUCTION
AS-BUILT PER RECORD PRINT	DRAWN BY: TL	REVIEWED BY:	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES			SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES				
BY: DATE:	CHKD BY: SB	DATE REVIEWED:								

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION

24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3

BACK RIVER NECK ROAD

FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD

SUBDIVISION: BACK RIVER NECK PROP. WATER MAIN BRANCH CONNECTIONS ARE FIRE HYDRANT PROFILES ELECTION DIST. NO.: 15C7

Contract No. 23186 WXO
Addendum No. 3
Revised, March 13, 2026

CONTRACT COMPLETION BOX	
CONTRACTOR:	
DATE COMPLETED:	
INSPECTOR:	
PIPE MATERIAL:	
CATHODIC PROTECTION SYSTEM METHOD (POTABLE WATER ONLY):	
BONDED COATED PIPE	PIPE DIAMETER(S):
3/4" - ZINC COATED PIPE WITH POLYETHYLENE ENCASEMENT	PIPE DIAMETER(S):
OTHER (SPECIFY):	PIPE DIAMETER(S):
SHEET DESIGNATION	CONTRACT NUMBER
WATER SH 14 OF 18	23186-WXO
JOB ORDER NUMBER	231-203-0067-0783
SHEET 14 OF 44	DRAWING NUMBER
2023-2717	FILE NO.:

DWG. FILENAME: T:\Baltimore County Utilities\800-122-03 Back River Neck Road Phase 3\DWG\pup-0004-BRNR-ADDENDUM 3.dwg

WATER HOUSE CONNECTIONS									
STATION	SERVICE ADDRESS	EX. PROPERTY ID	EX. METER TYPE	EX. METER ID	EX. SIZE OF SERVICE	TYPE OF SERVICE	APPROX. PROP. LENGTH OF SERVICE (LF)	REMARKS/NOTES	EX. MATERIAL OF SERVICE LINE (TO BE VERIFIED BY CONTRACTOR)
0+18	100 BACK RIVER NECK ROAD	1516600841	DOMESTIC	54353649	1.5"	COMMERCIAL	24		
	103 BACK RIVER NECK ROAD	1511150972	DOMESTIC	76345798	3/4"	COMMERCIAL		FED FROM HOPEWELL AVENUE	
1+22	104 BACK RIVER NECK ROAD	1513108280	DOMESTIC	77886545	3/4"	COMMERCIAL	25		
1+73	104 BACK RIVER NECK ROAD	1513108280	DOMESTIC	77886545	3/4"	COMMERCIAL	24		
2+59	105 BACK RIVER NECK ROAD	1511150971	DOMESTIC	79854462	3/4"	COMMERCIAL	31		
4+61	113 BACK RIVER NECK ROAD	2200027639	DOMESTIC	79854287	3/4"	COMMERCIAL	28		
6+22	113 BACK RIVER NECK ROAD	2200027639	DETECTOR CHECK	60950276	2"	COMMERCIAL	34		
6+73	113 BACK RIVER NECK ROAD	2200027639	DETECTOR CHECK	60950276	2"	COMMERCIAL	36		
5+17	116 BACK RIVER NECK ROAD	1502201851	DOMESTIC	77886572	3/4"	RESIDENTIAL	27		
6+34	118 BACK RIVER NECK ROAD	1519322371	DOMESTIC		3/4"	COMMERCIAL	23		
6+62	118 BACK RIVER NECK ROAD	1519071520	DOMESTIC		1.5"	COMMERCIAL	23		
7+53	119 BACK RIVER NECK ROAD	1526750130	DOMESTIC	79657028	1.5"	COMMERCIAL	34		
8+99	121 BACK RIVER NECK ROAD	1504750380	DOMESTIC	79854459	3/4"	RESIDENTIAL	16		
8+76	122 BACK RIVER NECK ROAD	1503473891			3/4"	COMMERCIAL	42		
10+18	123 BACK RIVER NECK ROAD	1503473890	DOMESTIC	77893598	1"	COMMERCIAL	15		
	125 BACK RIVER NECK ROAD	1512001800	DOMESTIC	999999999	3/4"	ABANDONED	N/A		
11+08	127 BACK RIVER NECK ROAD	1508651382	DOMESTIC	79854463	3/4"	COMMERCIAL	14		
12+08	129 BACK RIVER NECK ROAD	1513551170	DOMESTIC	81542423	3/4"	COMMERCIAL	16		
12+50	129 BACK RIVER NECK ROAD	1513551170	DOMESTIC	79856837	3/4"	COMMERCIAL	15		
14+22	137 BACK RIVER NECK ROAD	1514900021	DOMESTIC	79400634	1"	COMMERCIAL	21		
12+96	140 BACK RIVER NECK ROAD	1516601360	DOMESTIC	77886499	3/4"	COMMERCIAL	37		
16+62	143 BACK RIVER NECK ROAD	1519850541	DETECTOR CHECK	79854458	3/4"	COMMERCIAL	23		
	145 BACK RIVER NECK ROAD	1519001266	DETECTOR CHECK	60950166	2"	COMMERCIAL		FED FROM WILLIAMS AVENUE	
16+10	146 BACK RIVER NECK ROAD	1503770410	DOMESTIC	77893550	3/4"	COMMERCIAL	37		
19+46	149 BACK RIVER NECK ROAD	1600005211	DOMESTIC	79854460	3/4"	COMMERCIAL	24		
16+51	150 BACK RIVER NECK ROAD	1513204692	DOMESTIC	78007513	3/4"	COMMERCIAL	36		
20+38	151 BACK RIVER NECK ROAD	1519001261	DOMESTIC	79856205	3/4"	COMMERCIAL	26		
17+12	152 BACK RIVER NECK ROAD	1512590830	DOMESTIC	77893600	1"	COMMERCIAL	36		
	200 BACK RIVER NECK ROAD	1519610923	DOMESTIC	79856839	3/4"	COMMERCIAL		FED FROM WILLIAMS AVENUE	
21+60	201 BACK RIVER NECK ROAD	2100007493	DOMESTIC	60908604	2"	COMMERCIAL	32		
23+04	202 BACK RIVER NECK ROAD	1519270860	DOMESTIC	78007946	3/4"	COMMERCIAL	29		
	205 BACK RIVER NECK ROAD	2100007492	DOMESTIC	01104985	2"	COMMERCIAL		FED FROM POLES ROAD	
24+55	206 BACK RIVER NECK ROAD	1507582030	DOMESTIC	77886543	3/4"	RESIDENTIAL	31		
25+89	208 BACK RIVER NECK ROAD	1523750010	DOMESTIC	77877755	3/4"	RESIDENTIAL	25		
26+13	214 BACK RIVER NECK ROAD	1507582031	DOMESTIC	77886501	3/4"	COMMERCIAL	26		
27+93	214 BACK RIVER NECK ROAD	1507582031	DOMESTIC	77886642	3/4"	COMMERCIAL	27		
28+04	215 BACK RIVER NECK ROAD	1900005397	DOMESTIC	26074207	3/4"	COMMERCIAL	28		
29+00	224 BACK RIVER NECK ROAD	1519910440	DOMESTIC	77893584	1"	RESIDENTIAL	26		
30+43	226 BACK RIVER NECK ROAD	1700001816	DOMESTIC	77886538	3/4"	RESIDENTIAL	13		
36+10	313 BACK RIVER NECK ROAD	1700013589	DETECTOR CHECK	60876085	2"	COMMERCIAL	50		
41+07	329 BACK RIVER NECK ROAD	1512200120	DOMESTIC	77886508	3/4"	RESIDENTIAL	31		
42+88	330 BACK RIVER NECK ROAD	1523501590	DOMESTIC	77886565	3/4"	RESIDENTIAL	24		
42+07	331 BACK RIVER NECK ROAD	2200011163	DOMESTIC		3/4"	RESIDENTIAL	34		
43+00	333 BACK RIVER NECK ROAD	1507000980	DOMESTIC	77886537	3/4"	RESIDENTIAL	32		
44+47	334 BACK RIVER NECK ROAD	2500016136	DOMESTIC	24766844	3/4"	RESIDENTIAL	32		
43+92	335 BACK RIVER NECK ROAD	1502651130	DOMESTIC	77886513	3/4"	RESIDENTIAL	24		
45+10	336 BACK RIVER NECK ROAD	2500016135	DOMESTIC		3/4"	RESIDENTIAL	31		
45+17	337 BACK RIVER NECK ROAD	1516900161	DOMESTIC	77886510	3/4"	RESIDENTIAL	27		
45+55	338 BACK RIVER NECK ROAD	1513203610	DOMESTIC	77886535	3/4"	RESIDENTIAL	31		
46+29	340 BACK RIVER NECK ROAD	2500016134	DOMESTIC		3/4"	RESIDENTIAL	31		
46+93	342 BACK RIVER NECK ROAD	2500016133	DOMESTIC		3/4"	RESIDENTIAL	31		
48+75	345 BACK RIVER NECK ROAD	2300008222	DOMESTIC	77886528	3/4"	RESIDENTIAL	26		
49+86	347/349 BACK RIVER NECK ROAD	2200002930	DOMESTIC	77886516	1"	RESIDENTIAL	27		
50+34	351 BACK RIVER NECK ROAD	1513550970	DOMESTIC	77886573	3/4"	RESIDENTIAL	28		
51+01	353 BACK RIVER NECK ROAD	1503232040	DOMESTIC	77886550	3/4"	RESIDENTIAL	31		

BILL OF MATERIALS (SEE SHEET 7)		
QUANTITY	DESCRIPTION	SIZE
663 L.F.	DUCTILE IRON PIPE	24"
87 L.F.	DUCTILE IRON PIPE	16"
42 L.F.	DUCTILE IRON PIPE	12"
65 L.F.	DUCTILE IRON PIPE	8"
64 L.F.	DUCTILE IRON PIPE	6"
26 L.F.	COPPER	1"
166 L.F.	COPPER	3/4"
6 EA.	TAP AND CORP STOP	3/4"
1 EA.	TAP AND CORP STOP	1"
2 EA.	1/8 BEND	16"
2 EA.	1/8 BEND	12"
1 EA.	1/16 BEND	12"
2 EA.	1/8 BEND	8"
2 EA.	1/16 BEND	8"
2 EA.	TEE	24"X8"
2 EA.	TEE	24"X6"
1 EA.	TEE	16"X12"
1 EA.	REDUCER	24"X16"
1 EA.	VALVE AND VAULT	24"
1 EA.	VALVE AND VAULT	12"
2 EA.	VALVE AND VAULT	8"
2 EA.	VALVE AND VAULT	6"
1 EA.	FIRE HYDRANT	-
1 EA.	WYE	12"X12"
2 EA.	WYE	8"X8"
3 EA.	CAP	12"
2 EA.	CAP	8"
1 EA.	PLUG	12"
2 EA.	PLUG	8"
1 EA.	SLEEVE	12"
2 EA.	SLEEVE	8"
1 EA.	SPACER	12"
2 EA.	SPACER	8"
1 EA.	TAPPING SLEEVE	8"X6"

BILL OF MATERIALS (SEE SHEET 10)		
QUANTITY	DESCRIPTION	SIZE
719 L.F.	DUCTILE IRON PIPE	16"
43 L.F.	DUCTILE IRON PIPE	12"
79 L.F.	DUCTILE IRON PIPE	8"
24 L.F.	DUCTILE IRON PIPE	6"
27 L.F.	COPPER	1"
236 L.F.	COPPER	3/4"
8 EA.	TAP AND CORP STOP	3/4"
1 EA.	TAP AND CORP STOP	1"
2 EA.	1/32 BEND	16"
1 EA.	1/8 BEND	12"
2 EA.	1/16 BEND	12"
8 EA.	1/8 BEND	8"
1 EA.	TEE	16"X12"
2 EA.	TEE	16"X8"
1 EA.	TEE	16"X6"
1 EA.	VALVE AND VAULT	12"
2 EA.	VALVE AND VAULT	8"
1 EA.	VALVE AND VAULT	6"
1 EA.	FIRE HYDRANT	-
1 EA.	WYE	12"X12"
2 EA.	WYE	8"X8"
1 EA.	CAP	12"
2 EA.	CAP	8"
2 EA.	PLUG	12"
1 EA.	PLUG	8"
1 EA.	SLEEVE	16"
1 EA.	SLEEVE	12"
2 EA.	SLEEVE	8"
1 EA.	SPACER	16"
1 EA.	SPACER	12"
2 EA.	SPACER	8"
1 EA.	12" DIP TO HDPE ADAPTER	12"

WATER STAKEOUT TABLE BACK RIVER NECK ROAD 16" W (SHEET 10)		
STATION	NORTHING	EASTING
45+20 (16"X6" F.H.T.)	596346.83	1470959.63
47+10 (16"X12" TEE)	596187.81	1471062.88
48+04 (16"X8" TEE)	596114.03	1471122.06
50+56 (16"X8" TEE)	595907.44	1471266.19
51+49 (16"-1/32 HORZ. BEND)	595830.69	1471319.74
51+84 (16"-1/32 HORZ. BEND)	595798.97	1471333.63
52+11 (CONNECT TO EX. 16" W)	595777.77	1471349.89

WATER STAKEOUT TABLE BROWNS ROAD 12" W (SHEET 10)		
STATION	NORTHING	EASTING
0+00 (16"X12" TEE)	596187.81	1471062.88
0+03 (12" VALVE AND VAULT)	596190.63	1471068.61
0+30 (12"-1/8 HORZ. BEND)	596207.75	1471093.15
0+35 (12"-1/16 LOWER VERT. BEND)	596206.70	1471098.04
0+39 (12"-1/16 UPPER VERT. BEND)	596205.86	1471101.95
0+43 (WYE)	596205.10	1471105.51

WATER STAKEOUT TABLE HUDSON VIEW ROAD STA. 48+04 8" W (SHEET 10)		
STATION	NORTHING	EASTING
0+00 (16"X8" TEE)	596114.03	1471122.06
0+03 (8" VALVE AND VAULT)	595905.72	1471263.73
0+07 (8"-1/8 UPPER VERT. BEND)	595903.21	1471260.50
0+09 (8"-1/8 LOWER VERT. BEND)	595901.95	1471258.69
0+33 (8"-1/8 HORZ. BEND)	595890.33	1471241.68
0+35 (8"-1/8 LOWER VERT. BEND)	595890.69	1471239.71
0+39 (8"-1/8 UPPER VERT. BEND)	595891.39	1471235.77
0+41 (WYE)	595891.68	1471234.12

WATER STAKEOUT TABLE HUDSON VIEW ROAD STA. 50+56 8" W (SHEET 10)		
STATION	NORTHING	EASTING
0+00 (16"X8" TEE)	595907.44	1471266.19
0+03 (8" VALVE AND VAULT)	595905.72	1471263.55
0+30 (8"-1/8 HORZ. BEND)	595890.33	1471241.68
0+33 (8"-1/8 LOWER VERT. BEND)	595890.86	1471238.73
0+36 (8"-1/8 UPPER VERT. BEND)	595891.39	1471235.77
0+38 (WYE)	595891.68	1471234.12

CONTRACT COMPLETION BOX	
CONTRACTOR:	
DATE COMPLETED:	
INSPECTOR:	
PIPE MATERIAL:	
CATHODIC PROTECTION SYSTEM METHOD (POTABLE WATER ONLY):	
<input type="checkbox"/> BONDED COATED PIPE	PIPE DIAMETER(S):
<input type="checkbox"/> N/A - ZINC COATED PIPE	PIPE DIAMETER(S):
<input type="checkbox"/> WITH POLYETHYLENE ENCASEMENT	PIPE DIAMETER(S):
<input type="checkbox"/> OTHER (SPECIFY):	PIPE DIAMETER(S):

SHEET DESIGNATION	CONTRACT NUMBER
WATER SH 15 OF 18	23186-WXO
JOB ORDER NUMBER	231-203-0067-0783
SHEET 15 OF 44	
DRAWING NUMBER	2023-2718
FILE NO.:	

CITY OF BALTIMORE REVISION - CITY OF BALTIMORE
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES

SEAL	PROFESSIONAL CERTIFICATION	REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHI	DRAWING SCALE	DPW & TRANSPORTATION
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20815 EXPIRATION DATE 10/21/26 ENGINEER: SHAWN BURNETT THE WILSON T. BALLARD CO. AS-BUILT PER RECORD PRINT BY: DATE:	ADDENDUM 1	WTB	9/24/25				SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES PLAN SCALE: 1"=50' PROFILE SCALE: VERT. 1"=5' HORIZ. 1"=50'	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES BUR. OF ENGINEERING & CONSTRUCTION
		ADDENDUM 3	WTB	2/2/26	R.O.W. NO.				
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES		SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES		SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES		SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES		SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION
 24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3
 BACK RIVER NECK ROAD
 FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD
 SUBDIVISION: BACK RIVER NECK WATER HOUSE CONNECTIONS CHART AND MISCELLANEOUS TABLES
 ELECTION DIST. NO.: 15C7

Contract No. 23186 WXO
 Addendum No. 3
 Revised, March 13, 2026



DWG. FILENAME: T:\Baltimore County Utilities\00-122.03 Back River Neck Road Phase 3\DWG\PS-0010-BRRR.dwg

SUGGESTED SEQUENCE OF CONSTRUCTION

NOTES:

- COORDINATE WITH ALL ONGOING CONSTRUCTION IN THE PROJECT AREA (IF ANY) TO RESOLVE ANY ISSUES THAT WOULD BE IN CONFLICT WITH OTHER PROJECTS AND TRAFFIC CONTROLS.
- PEDESTRIAN ACCESS SHALL BE SAFELY MAINTAINED AT ALL TIMES.
- RESTRICT STREET PARKING IF NECESSARY DURING WORK HOURS.
- VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTING WATER MAINS.
- TEST PIT CONNECTION LOCATIONS OF EXISTING WATER MAINS AND EXISTING UTILITY CROSSINGS.
- SHUT DOWNS SHALL BE LIMITED TO 8 HOURS UNLESS OTHERWISE DIRECTED BY BALTIMORE COUNTY DPW.

PHASE 1 INSTALLATION - BACK RIVER NECK ROAD STA. 0+00 - STA. 18+50, HOPEWELL AVENUE EAST, HOPEWELL AVENUE WEST, HOWARD AVENUE, FRENCHS AVENUE, WILLIAMS AVENUE

- AS SHOWN ON SHEET 3, INSTALL NEW FIRE HYDRANT ON BACK RIVER NECK ROAD NEAR HOMBERG AVENUE USING TAPPING SLEEVE AND VALVE.
- AS SHOWN ON SHEET 3, INSTALL NEW FIRE HYDRANT ON HOPEWELL AVENUE EAST USING TAPPING SLEEVE AND VALVE.
- AS SHOWN ON SHEETS 4 AND 6, INSTALL NEW FIRE HYDRANTS AT BACK RIVER NECK ROAD 24" W STA. 7+96, 26"R AND STA. 20+16, 32.5"R RESPECTIVELY USING TAPPING SLEEVES AND VALVES.
- AS SHOWN ON SHEET 6, INSTALL NEW FIRE HYDRANT ON WILLIAMS AVENUE USING TAPPING SLEEVE AND VALVE.
- AS SHOWN ON SHEET 7, INSTALL NEW FIRE HYDRANT ON TRIPGATE ROAD USING TAPPING SLEEVE AND VALVE.
- INSTALL TEMPORARY WATER SERVICE ALONG THE FOLLOWING STREETS (USE EX. FH-1 ON HOMBERG AVENUE, 2 NEWLY INSTALLED FIRE HYDRANTS ON BACK RIVER NECK ROAD AT HOMBERG AVENUE AND STA. 7+96, NEWLY INSTALLED FIRE HYDRANT ON HOPEWELL AVENUE EAST, EX. FH-4 ON HOWARD AVENUE, EX. FH-5 ON FRENCHS AVENUE, NEWLY INSTALLED FIRE HYDRANT ON WILLIAMS AVENUE, AND EX. FH-6 ON WILLIAMS AVENUE AS FEED SOURCES) INCLUDING LAYING THE PIPE, DISINFECTION, CHARGING THE TEMPORARY PIPE, CONNECTING THE SERVICES IN THE SEQUENCE, AND TEMPORARY FIRE HYDRANT INSTALLATION:
 - BACK RIVER NECK ROAD HOUSE NOS. 104 - 152, NOT INCLUDING 149 AND 151
- CLOSE THE FOLLOWING VALVES TO ISOLATE THE WATER MAIN:
 - VALVE EV-8 - BACK RIVER NECK ROAD AT HOPEWELL AVENUE EAST
- AS SHOWN ON SHEET 3 ON THE BYPASS PLANS IN THE SPECIFICATIONS, CUT AND CAP EXISTING MAIN PER DETAIL W-5A. CONNECT AND ACTIVATE TEMPORARY BYPASS ALONG HOPEWELL AVENUE EAST.
- CLOSE THE FOLLOWING VALVES TO ISOLATE THE WATER MAIN:
 - VALVE EV-9 - BACK RIVER NECK ROAD AT HOPEWELL AVENUE WEST
- AS SHOWN ON SHEET 4 ON THE BYPASS PLANS IN THE SPECIFICATIONS, CUT AND CAP EXISTING MAIN PER DETAIL W-5A. CONNECT AND ACTIVATE TEMPORARY BYPASS ALONG HOPEWELL AVENUE WEST.
- CLOSE THE FOLLOWING VALVES TO ISOLATE THE WATER MAIN:
 - VALVE EV-10 - BACK RIVER NECK ROAD AT HOWARD AVENUE
- AS SHOWN ON SHEET 4 ON THE BYPASS PLANS IN THE SPECIFICATIONS, CUT AND CAP EXISTING MAIN PER DETAIL W-5A. CONNECT AND ACTIVATE TEMPORARY BYPASS ALONG HOWARD AVENUE.
- CLOSE THE FOLLOWING VALVES TO ISOLATE THE WATER MAIN:
 - VALVE EV-11 - BACK RIVER NECK ROAD AT FRENCHS AVENUE
- AS SHOWN ON SHEET 5 ON THE BYPASS PLANS IN THE SPECIFICATIONS, CUT AND CAP EXISTING MAIN PER DETAIL W-5A. CONNECT AND ACTIVATE TEMPORARY BYPASS ALONG FRENCHS AVENUE
- CLOSE THE FOLLOWING VALVES TO ISOLATE THE WATER MAIN:
 - VALVES EV-12 AND EV-13 - BACK RIVER NECK ROAD AT WILLIAMS AVENUE
- AS SHOWN ON SHEET 6 ON THE BYPASS PLANS IN THE SPECIFICATIONS, CUT AND CAP EXISTING MAIN PER DETAIL W-5A. CONNECT AND ACTIVATE TEMPORARY BYPASS ALONG WILLIAMS AVENUE, EAST AND WEST OF BACK RIVER NECK ROAD.
- CLOSE THE FOLLOWING VALVES TO ISOLATE THE WATER MAIN:
 - VALVE EV-6 ON EX. 16" W - 125' EAST OF HOMBERG AVENUE
 - VALVE EV-7 ON 24"X12" INTERCONNECT - 140' EAST OF HOMBERG AVENUE
 - VALVE EV-14 - BACK RIVER NECK ROAD AT TRIPGATE ROAD
 - VALVE EV-15 - BACK RIVER NECK ROAD AT POLES ROAD
 - VALVE EV-16 AND EV-17 ON EX. 12" W - BACK RIVER NECK ROAD AT MIDDLEBOROUGH ROAD

- AS SHOWN ON SHEET 6, CUT AND CAP EXISTING 12" WATER MAIN PER DETAIL W-5A.
 - OPEN THE FOLLOWING VALVES CLOSED IN STEP 17:
 - VALVE EV-14 - BACK RIVER NECK ROAD AT TRIPGATE ROAD
 - VALVE EV-15 - BACK RIVER NECK ROAD AT POLES ROAD
 - VALVE EV-16 AND EV-17 ON EX. 12" W - BACK RIVER NECK ROAD AT MIDDLEBOROUGH ROAD
 - INSTALL NEW WATER MAINS ALONG BACK RIVER NECK ROAD STA. 0+14 TO STA. 0+90 AND STA. 1+10 TO STA. 18+50 INCLUDING ALL APPURTENANCES, 24" VALVE AND VAULT, HOPEWELL AVENUE EAST, HOPEWELL AVENUE WEST, HOWARD AVENUE, FRENCHS AVENUE, AND WILLIAMS AVENUE, 6" WHC AT STA. 6+76
 - CONNECT BRANCH CONNECTIONS AT THE FOLLOWING TIE-INS, **KEEP BRANCH VALVES CLOSED:**
 - HOPEWELL AVENUE EAST
 - HOPEWELL AVENUE WEST
 - HOWARD AVENUE
 - FRENCHS AVENUE
 - WILLIAMS AVENUE
 - CLOSE THE FOLLOWING VALVES TO ISOLATE THE MAIN:
 - VALVE EV-2 ON 48"X12" INTERCONNECT - NORTHWEST OF EVERGREEN WAY
 - VALVE EV-3 ON EX. 48" W - SOUTHEAST OF EVERGREEN WAY
 - USING MULTIPLE CREWS, INSTALL NEW WATER MAINS ALONG BACK RIVER NECK ROAD STA. 0+00 TO STA. 0+14 AND STA. 0+90 TO STA. 1+10, 24"X16" INTERCONNECT, AND 6" WHC AT STA. 6+76. CONNECT TO EX. 24" W AT STA. 0+00.
 - OPEN ALL VALVES THAT WERE CLOSED, **EXCEPT NEWLY INSTALLED BRANCH VALVES CLOSED IN STEP 21.**
 - REPLACE WATER HOUSE CONNECTIONS ALONG THE FOLLOWING ROADS:
 - BACK RIVER NECK ROAD HOUSE NOS. 104 - 152, NOT INCLUDING 149 AND 151
 - ALONG HOPEWELL AVENUE EAST, HOPEWELL AVENUE WEST, HOWARD AVENUE, FRENCHS AVENUE AND WILLIAMS AVENUE REPLACE CAP AND JACK WITH NEW SPOOL PIECE OF PIPE AND CONNECT TO EX. WATER ALONG EACH STREET RESPECTIVELY.
 - OPEN ALL BRANCH VALVES.
 - REMOVE ALL TEMPORARY WATER SERVICE AND TEMPORARY FIRE HYDRANTS. REMOVE FIRE HYDRANTS, FIRE HYDRANT LEADS AND VALVES ALONG BACK RIVER NECK ROAD INSTALLED IN STEP 3. CAP 24"X6" TAPPING SLEEVES.
- PHASE 2 INSTALLATION - BACK RIVER NECK ROAD STA. 26+60 ± - STA. 52+10, MIDDLEBOROUGH ROAD STA. 29+36, MIDDLEBOROUGH ROAD STA. 39+33, 8" WHC STA. 36+03, BROWNS ROAD, HUDSON VIEW ROAD STA. 48+12, HUDSON VIEW ROAD STA. 50+64**
- WITHOUT DISTURBING EXISTING WATER MAINS OR REQUIRING SHUTDOWNS, INSTALL NEW 24" AND 16" WATER MAINS FROM STA. 26+60± TO STA. 52+10 ± INCLUDING ALL APPURTENANCES, 24" VALVE AND VAULT, 16" VALVE AND VAULT, WATER MAINS ALONG BACK RIVER NECK ROAD AND BRANCH MAINS. DO NOT CONNECT THE BRANCH MAINS TO THE EXISTING WATER MAINS.
 - CLOSE THE FOLLOWING VALVES TO ISOLATE THE WATER MAIN:
 - VALVE EV-16 AND EV-17 ON EX. 12" W - BACK RIVER NECK ROAD AT MIDDLEBOROUGH ROAD
 - VALVE EV-18 ON EX. 16" W - BACK RIVER NECK ROAD AT MIDDLEBOROUGH ROAD
 - VALVE EV-19 - BACK RIVER NECK ROAD AT HILLTOP AVENUE
 - VALVE EV-20 - BACK RIVER NECK ROAD AT BROWNS ROAD
 - VALVE EV-21 - BACK RIVER NECK ROAD, 35' SOUTHEAST OF BROWNS ROAD
 - AS SHOWN ON SHEET 9, REMOVE 2' - 3' OF EXISTING 16" WATER MAIN PIPE SECTION ALONG BACK RIVER NECK ROAD AND INSTALL NEW DOUBLE CAPS, JACK AND BUTTRESS PER STD DET W-5A
 - OPEN ALL VALVES CLOSED IN STEP 2.
 - CLOSE THE FOLLOWING VALVES TO ISOLATE THE WATER MAIN:
 - VALVE EV-18 ON EX. 16" W - BACK RIVER NECK ROAD AT MIDDLEBOROUGH ROAD
 - VALVE EV-25 - MIDDLEBOROUGH ROAD, SOUTHWEST OF SOUTHEASTERN BOULEVARD
 - VALVE EV-26 - MIDDLEBOROUGH ROAD AT HILLTOP AVENUE
 - VALVE EV-27 AND EV-28 - MIDDLEBOROUGH ROAD AT LOCUST AVENUE
 - VALVE EV-20 - BACK RIVER NECK ROAD AT BROWNS ROAD
 - VALVE EV-21 - BACK RIVER NECK ROAD, 35' SOUTHEAST OF BROWNS ROAD
 - USING MULTIPLE CREWS CONNECT BRANCH CONNECTIONS AT THE FOLLOWING TIE-INS:
 - MIDDLEBOROUGH ROAD 12" W, 16" W STA. 29+36
 - 8" WHC, 16" W STA. 36+03
 - MIDDLEBOROUGH ROAD 12" W, 16" W STA. 39+33
 - CLOSE PROPOSED VALVE PV-3 AT STA. 40+47

- OPEN ALL VALVES CLOSED IN STEP 5.
- REPLACE WATER HOUSE CONNECTIONS ALONG THE FOLLOWING ROADS:
 - BACK RIVER NECK ROAD HOUSE NOS. 214 - 313
- CLOSE THE FOLLOWING VALVES TO ISOLATE THE WATER MAIN:
 - VALVE EV-24 - BACK RIVER NECK ROAD, 85' NORTHWEST OF HYDE PARK ROAD
 - VALVE EV-29 - BROWNS ROAD AT ANNETTA ROAD
 - KEEP PROPOSED VALVE PV-3 AT STA. 40+47 CLOSED (SEE STEP 7)
- USING MULTIPLE CREWS CONNECT BRANCH CONNECTIONS AT THE FOLLOWING TIE-INS:
 - BROWNS ROAD
 - HUDSON VIEW ROAD 16" W STA. 48+12
 - HUDSON VIEW ROAD 16" W STA. 50+64
 - 16" W TIE-IN AT STA. 52+19
- OPEN ALL VALVES CLOSED IN STEP 7 AND STEP 10.
- REPLACE WATER HOUSE CONNECTIONS ALONG THE FOLLOWING ROADS:
 - BACK RIVER NECK ROAD HOUSE NOS. 329 - 353

PHASE 3 INSTALLATION - BACK RIVER NECK ROAD STA. 18+50 - 26+60, TRIPGATE ROAD, AND POLES ROAD

- INSTALL TEMPORARY WATER SERVICE ALONG THE FOLLOWING STREETS (USE EX. FH-2 ON MIDDLEBOROUGH ROAD, NEWLY INSTALLED FIRE HYDRANT ON BACK RIVER NECK ROAD STA. 20+16, NEW FIRE HYDRANT INSTALLED ON TRIPGATE ROAD, AND EX. FH-7 ON POLES ROAD AS FEED SOURCES) INCLUDING LAYING THE PIPE, DISINFECTION, CHARGING THE TEMPORARY PIPE, CONNECTING THE SERVICES IN THE SEQUENCE, AND TEMPORARY FIRE HYDRANT INSTALLATION:
 - BACK RIVER NECK ROAD HOUSE NOS. 149 - 210, NOT INCLUDING 152
- CLOSE THE FOLLOWING VALVES TO ISOLATE THE WATER MAIN:
 - VALVE EV-14 - BACK RIVER NECK ROAD AT TRIPGATE ROAD
- AS SHOWN ON SHEET 7 ON THE BYPASS PLANS IN THE SPECIFICATIONS, CUT AND CAP EXISTING MAIN PER DETAIL W-5A. CONNECT AND ACTIVATE TEMPORARY BYPASS ALONG TRIPGATE ROAD.
- CLOSE THE FOLLOWING VALVES TO ISOLATE THE WATER MAIN:
 - VALVE EV-15 - BACK RIVER NECK ROAD AT POLES ROAD
- AS SHOWN ON SHEET 7 ON THE BYPASS PLANS IN THE SPECIFICATIONS, CUT AND CAP EXISTING MAIN PER DETAIL W-5A. CONNECT AND ACTIVATE TEMPORARY BYPASS ALONG POLES ROAD.
- CLOSE THE FOLLOWING VALVES TO ISOLATE THE WATER MAIN:
 - NEW 12" VALVE, BACK RIVER NECK ROAD 16" W STA. 29+28
 - VALVE EV-27 AND EV-28 - MIDDLEBOROUGH ROAD AT LOCUST AVENUE
 - VALVE EV-18 ON EX. 16" W - BACK RIVER NECK ROAD AT MIDDLEBOROUGH ROAD
 - VALVE EV-16 AND EV-17 ON EX. 12" W - BACK RIVER NECK ROAD AT MIDDLEBOROUGH ROAD
- AS SHOWN ON SHEET 7, CUT AND CAP EXISTING 12" WATER MAIN PER DETAIL W-5A. CONNECT AND ACTIVATE TEMPORARY BYPASS ALONG MIDDLEBOROUGH ROAD AND BACK RIVER NECK ROAD.
- OPEN ALL VALVES CLOSED IN STEP 6.
- INSTALL NEW WATER MAINS ALONG BACK RIVER NECK ROAD FROM STA. 18+50 TO STA. 26+60 INCLUDING ALL APPURTENANCES, TRIPGATE ROAD AND POLES ROAD. REMOVE TEMPORARY CAP AND CONNECT TO NEW 24" WATER MAIN INSTALLED IN PHASE 2.
- CONNECT BRANCH CONNECTIONS AT THE FOLLOWING TIE-INS, **KEEP BRANCH VALVES CLOSED:**
 - TRIPGATE ROAD
 - POLES ROAD
- REPLACE WATER HOUSE CONNECTIONS ALONG THE FOLLOWING ROADS:
 - BACK RIVER NECK ROAD HOUSE NOS. 149 - 210, NOT INCLUDING 152
- ALONG TRIPGATE ROAD AND POLES ROAD REPLACE CAP AND JACK WITH NEW SPOOL PIECE OF PIPE AND CONNECT TO EX. WATER ALONG EACH STREET RESPECTIVELY. ABANDON VALVES EV-14 AND EV-15 IN PLACE.
- OPEN ALL BRANCH VALVES.
- REMOVE ALL TEMPORARY WATER SERVICE AND TEMPORARY FIRE HYDRANTS. REMOVE FIRE HYDRANT, FIRE HYDRANT LEADS AND VALVES ALONG TRIPGATE ROAD INSTALLED IN STEP 5 OF PHASE 1. CAP 8"X6" TAPPING SLEEVE.
- RESTORE THE AREA.

CITY OF BALTIMORE	REVISION - CITY OF BALTIMORE
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	

	PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20615, EXPIRATION DATE 10/21/26		REVISION 3 ADDENDUM 3 NEW SHEET ADDED	BY WTB	DATE 2/2/26	P.W.A. NO. R.O.W. NO.	KEY SHEET	POSITION	SHT	DRAWING SCALE PLAN SCALE: 1"=30' PROFILE SCALE: VERT. 1"=4' HORIZ. 1"=50'	DPW & TRANSPORTATION SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
	ENGINEER: SHAWN BURNETT THE WILSON T. BALLARD CO.	DESIGN BY: DS	BUREAU OF ENGINEERING AND CONSTRUCTION	BUILDINGS	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	BUR. OF ENGINEERING & CONSTRUCTION
AS-BUILT PER RECORD PRINT	DRAWN BY: TL	REVIEWED BY:	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES			SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES			SUBDIVISION: BACK RIVER NECK		
DATE:	CHKD BY: SB	DATE REVIEWED:							SUGGESTED SEQUENCE OF CONSTRUCTION		

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION
24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3
BACK RIVER NECK ROAD
 FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD
SUGGESTED SEQUENCE OF CONSTRUCTION
 ELECTION DIST. NO.: 15C7

CONTRACT COMPLETION BOX	
CONTRACTOR:	
DATE COMPLETED:	
INSPECTOR:	
PIPE MATERIAL:	
CATHODIC PROTECTION SYSTEM METHOD (POTABLE WATER ONLY):	
<input type="checkbox"/> BONDED COATED PIPE	PIPE DIAMETER(S):
<input type="checkbox"/> N/A - ZINC COATED PIPE	PIPE DIAMETER(S):
<input type="checkbox"/> WITH POLYETHYLENE ENCASEMENT	PIPE DIAMETER(S):
<input type="checkbox"/> OTHER (SPECIFY):	PIPE DIAMETER(S):

SHEET DESIGNATION	CONTRACT NUMBER
WATER SH 17A OF 18	23186-WX0
JOB ORDER NUMBER	231-203-0067-0783
SHEET 17A OF 44	
DRAWING NUMBER	2023-2720
FILE NO.:	

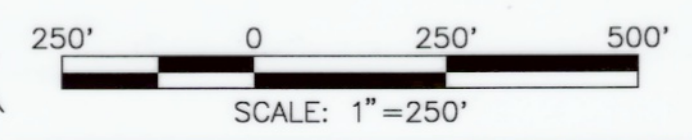
DWG. FILENAME: T:\Baltimore County Utilities\600-122-03 Back River Neck Road Phase 3\DWG\p03-N001-BRNR-ADDENDUM 3.dwg

WATERMAIN SHUTDOWN AND TEMPORARY BY-PASS MAP



- LEGEND**
- EV-X EXISTING VALVE
 - PV-X PROPOSED VALVE
 - ▲ FH-X EXISTING FH
 - ▲ TEMPORARY FH
 - TEMPORARY WATER BY-PASS
 - EXISTING WATER
 - PROPOSED WATER
 - REMOVED BYPASS

SEE APPENDIX F FOR BYPASS PHASING AND INSTALLATION INFORMATION



CONTRACT COMPLETION BOX	
CONTRACTOR: _____	
DATE COMPLETED: _____	
INSPECTOR: _____	
PIPE MATERIAL: _____	
CATHODIC PROTECTION SYSTEM METHOD (POTABLE WATER ONLY):	
<input type="checkbox"/> BONDED COATED PIPE	PIPE DIAMETER(S): _____
<input type="checkbox"/> W/A - ZINC COATED PIPE	PIPE DIAMETER(S): _____
<input type="checkbox"/> W/EP POLYETHYLENE ENCASMENT	PIPE DIAMETER(S): _____
<input type="checkbox"/> OTHER (SPECIFY): _____	PIPE DIAMETER(S): _____

CITY OF BALTIMORE	REVISION - CITY OF BALTIMORE
SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	

SEAL	PROFESSIONAL CERTIFICATION	REVISION	BY	DATE	P.W.A. NO.	KEY SHEET POSITION	SHT	DRAWING SCALE	DPW & TRANSPORTATION
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20615, EXPIRATION DATE 10/21/26	ADDENDUM 3	WTB	2/2/26				1"=80'	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES
		BUREAU OF ENGINEERING AND CONSTRUCTION	BUILDINGS	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DESIGN BY: DS	REVIEWED BY:	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES		SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES				
BY: _____	DRAWN BY: TL	DATE REVIEWED:							
DATE: 7-9-2025	CHKD BY: SB								

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION		Contract No. 23186 WX0 Addendum No. 3 Revised, March 13, 2026	
24-INCH AND 16-INCH WATER MAIN REPLACEMENT - PHASE 3 BACK RIVER NECK ROAD FROM HOMBERG AVENUE TO NORTH OF HYDE PARK ROAD			
SUBDIVISION: BACK RIVER NECK		VALVE SHUTDOWN MAP	ELECTION DIST. NO.: 15C7

DWG. FILENAME: T:\Baltimore County Utilities\800-122-03 Back River Neck Road Phase 3\DWG\GN-A002-BRNR-ADDENDUM 3.dwg