

**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. 1

DATE: 10/21/2025

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 Specifications

Revised and attached to be inserted:

- Page 12, Special Provisions, General Special Provisions, Page 1 of 15.
- Page 26, Special Provisions, General Special Provisions, Page 15 of 15.
- Page 29, Special Provisions, 351 – Water Main Construction, Page 1 of 1.

In the Proposal

Revised and attached to be inserted: Section V–Proposal, Description of Items & Schedules of Prices:

- Page 251:
 - Item 8 F, **change** the description **to** TEST PIT EXCAVATION/CONVENTIONAL EXCAVATION METHODS **from** TEST PIT EXCAVATION I COUNTY ROADS VIA TRADITIONAL METHOD.
 - Note Item Numbers 12-30 moved down to Page 252.
- Page 252:
 - Item 12, 6 INCH DUCTILE IRON PIPE AND FITTINGS-CLASS 54 **change** Estimate Quantity **to** 352 **from** 321.
 - Item 13, 8 INCH DUCTILE IRON PIPE AND FITTINGS-CLASS 54 **change** Estimate Quantity **to** 480 **from** 533.
 - Item 17, 6" FIRE HYDRANT/FURNISH AND INSTALL **change** Estimate Quantity **to** 8 **from** 9.
 - Item 20, 8 INCH VALVE AND VAULT-VERTICAL **change** Estimate Quantity **to** 10 **from** 11.
 - Item 24, 3/4 IN. WATER SERVICE TAP AND CORPORATION **change** Estimate Quantity **to** 37 **from** 38.
 - Item 25, 3/4 IN. COPPER WATER SERVICE AND FITTINGS **change** Estimate Quantity **to** 1020 **from** 1036.
 - Note Item Numbers 31-49 moved down to Page 253.
- Page 253
 - Item 32, TEMPORARY BY-PASS LINES **change** Estimate Quantity **to** 14950 **from** 15520.
 - Item 35, **Delete Item entirely.**
 - Note Item Numbers 50-54 moved down to Page 524.
- Page 524:
 - **Add New** Item 53 C, FURNISH AND INSTALL ADDITIONAL 16" MJ RESTRAINED DUCTILE IRON 1/8 BENDS, Unit of Measure is Each (EA) and Estimate Quantity is 8.
 - **Add New** Item 54 C, FURNISH AND INSTALL ADDITIONAL 24" MJ RESTRAINED DUCTILE IRON 1/8 BENDS, Unit of Measure is Each (EA) and Estimate Quantity is 8.

In the Drawings

Revised and attached to be inserted:

- Sheet 1-Drawing Number 2023-2704
- Sheet 2-Drawing Number 2023-2705,
- Sheet 4-Drawing Number 2023-2707,
- Sheet 11-Drawing Number 2023-2714
- Sheet 15-Drawing Number 2023-2718.

Attachments – 12

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

Company Name

Signature

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
- 352 linear feet of 6-inch water main
- 22 linear feet of 4-inch water main
- Eight (8) 6-inch fire hydrants
- 4-inch through 24-inch gate valves and vaults
- Forty-nine (49) 3/4-inch through 2-inch water service re-connections
- 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

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opening the trench. Compensation for this work will be paid under the appropriate contingent bid item listed. Restrained joints shall be included in these items. These items are for 16" and 24" diameter mechanical joint 45-degree bends which may become necessary to complete the installation.

25. Certification of Materials and Installations

The Contractor shall furnish certification for the following items:

- a) Gate valves
- b) Fire hydrants
- c) Pipeline Coating and/or wrapping

Certification shall be provided from each manufacturer, or from an approved testing laboratory, that all material used in the work is in accordance with these and all referenced specifications.

26. Existing Water Service Connection Pipe Materials

The Contractor shall document the existing pipe material (i.e. lead, galvanized steel, pvc, etc.) for all water service connections on the final as-built drawings. This work will be considered incidental to the preparation of the as-built documents.

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.

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CONTRACT PROPOSAL

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

CONTRACT NUMBER: 23186-WXO

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	833040		4 INCH DUCTILE IRON PIPE AND FITTINGS	LF	22		\$

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12	863060	6 INCH DUCTILE IRON PIPE AND FITTINGS - CLASS 54	LF	352		\$
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	8		\$
18	836040	4 INCH VALVE AND VAULT - VERTICAL	EA	1		\$
19	836060	6 INCH VALVE AND VAULT - VERTICAL	EA	11		\$
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	37		\$
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 FTTINGS	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	849420		TEMPORARY BY-PASS LINES	LF	14,950		\$
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	850		\$
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		\$
TOTAL COST FOR CONTRACT							\$

TOTAL COST FOR CONTRACT IN WORDS

OFFICER SIGNATURE

TITLE

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

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14950—

MDE NOTES:

- BGE UTILITY NOTES

- ### SANITARY NOTES

- EMERGENCY MANAGEMENT NOTES**

- NOTE:
ALL COSTS OF FURNISHING, ERECTING, AND MAINTAINING THE
"IMPROVEMENT SIGN", INCLUDING POST, WILL NOT BE PAID FOR
SEPARATELY BUT SHALL BE INCLUDED IN THE DIFFERENT BID ITEMS FOR
THE CONTRACT. CONTRACTOR TO PROVIDE (2) SIGNS.

NOT TO SCALE

LEGEND

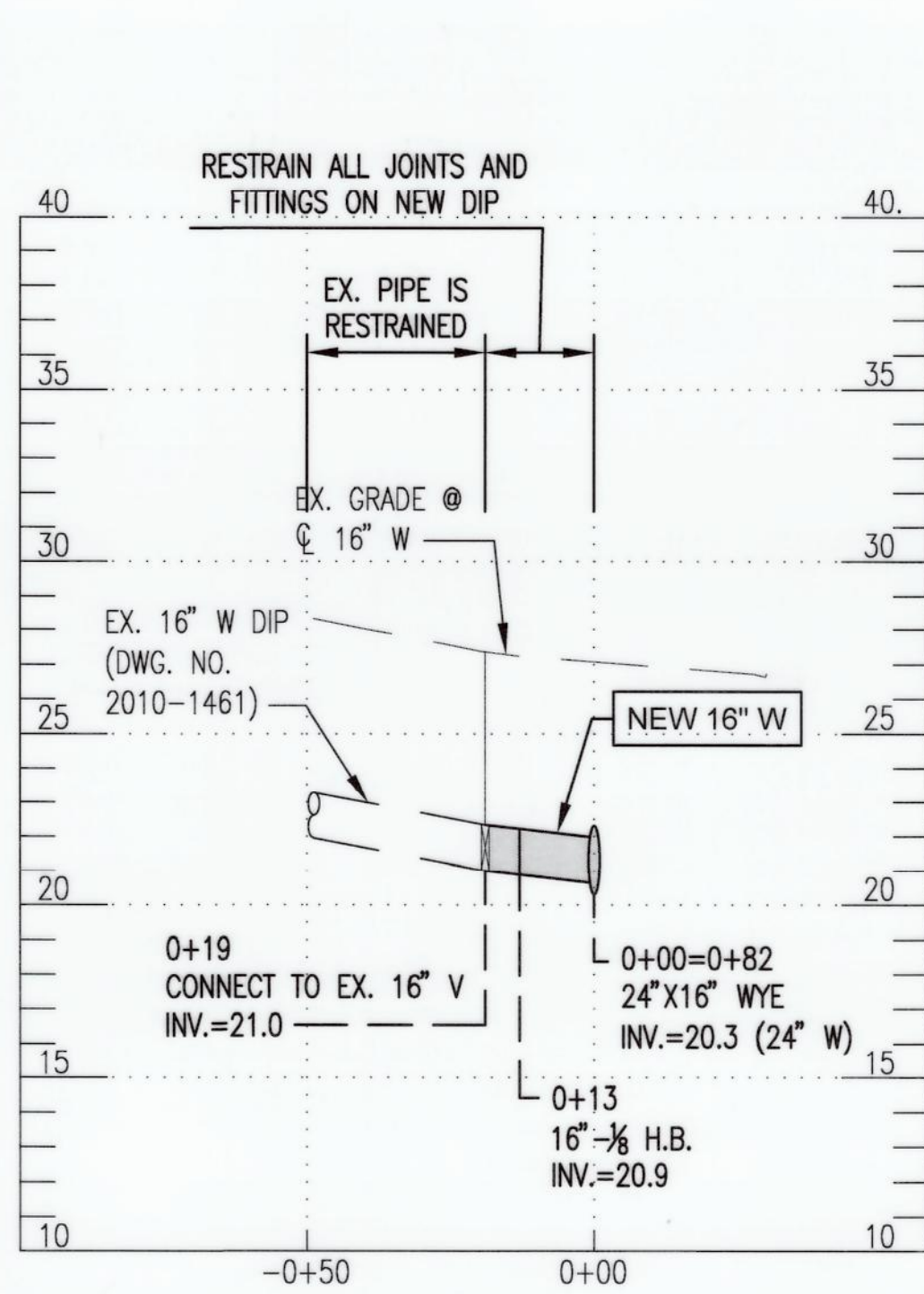
EX. 12" W C.I.P. (DRWG# 400731)

PROP. 20" W D.I.P.

 EXISTING FIRE HYDRANT

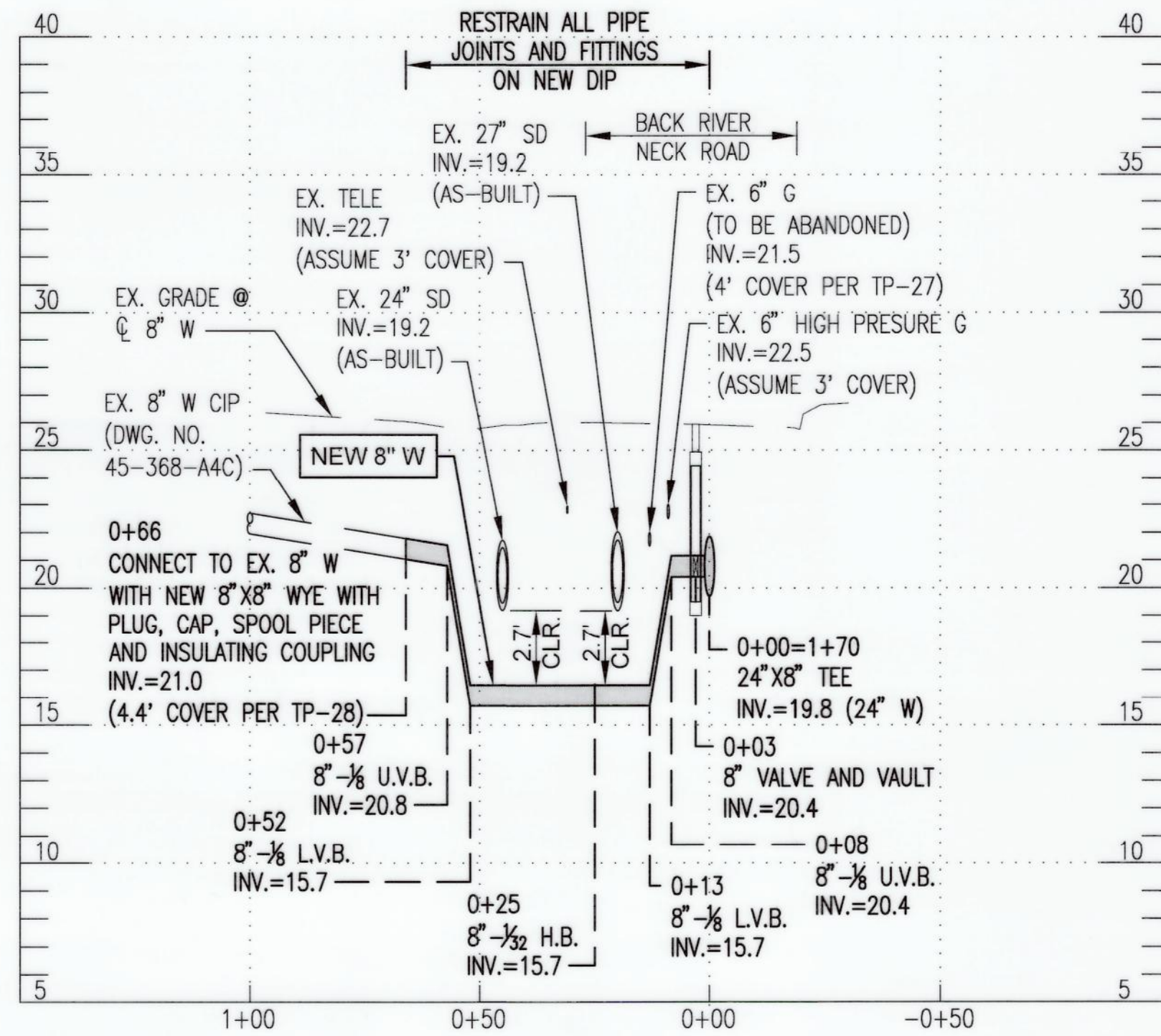
ELECTION DIST. NO.: 15C7

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



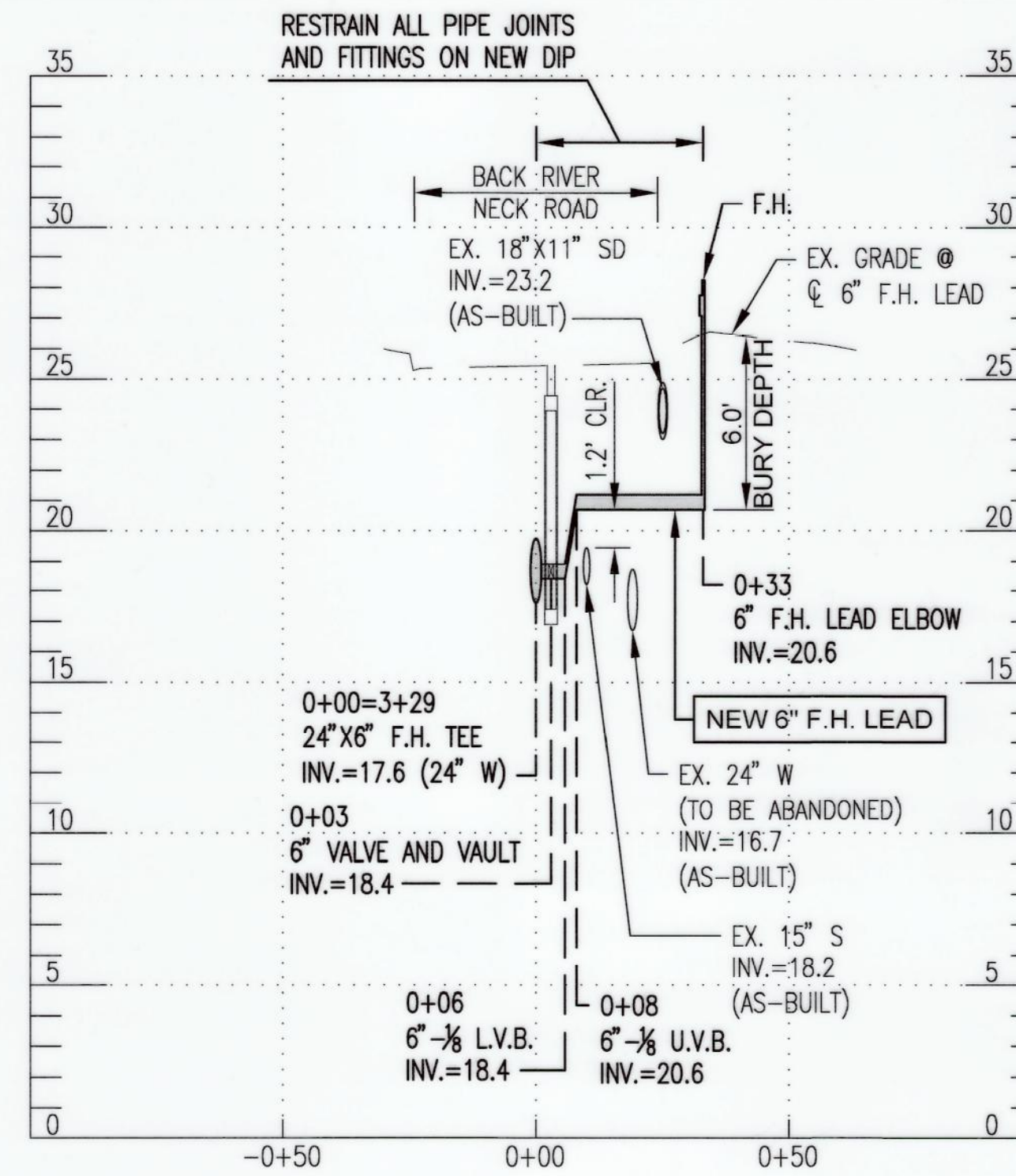
PROP. 24"X16 INTERCONNECT
(SEE SHEET 3)

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



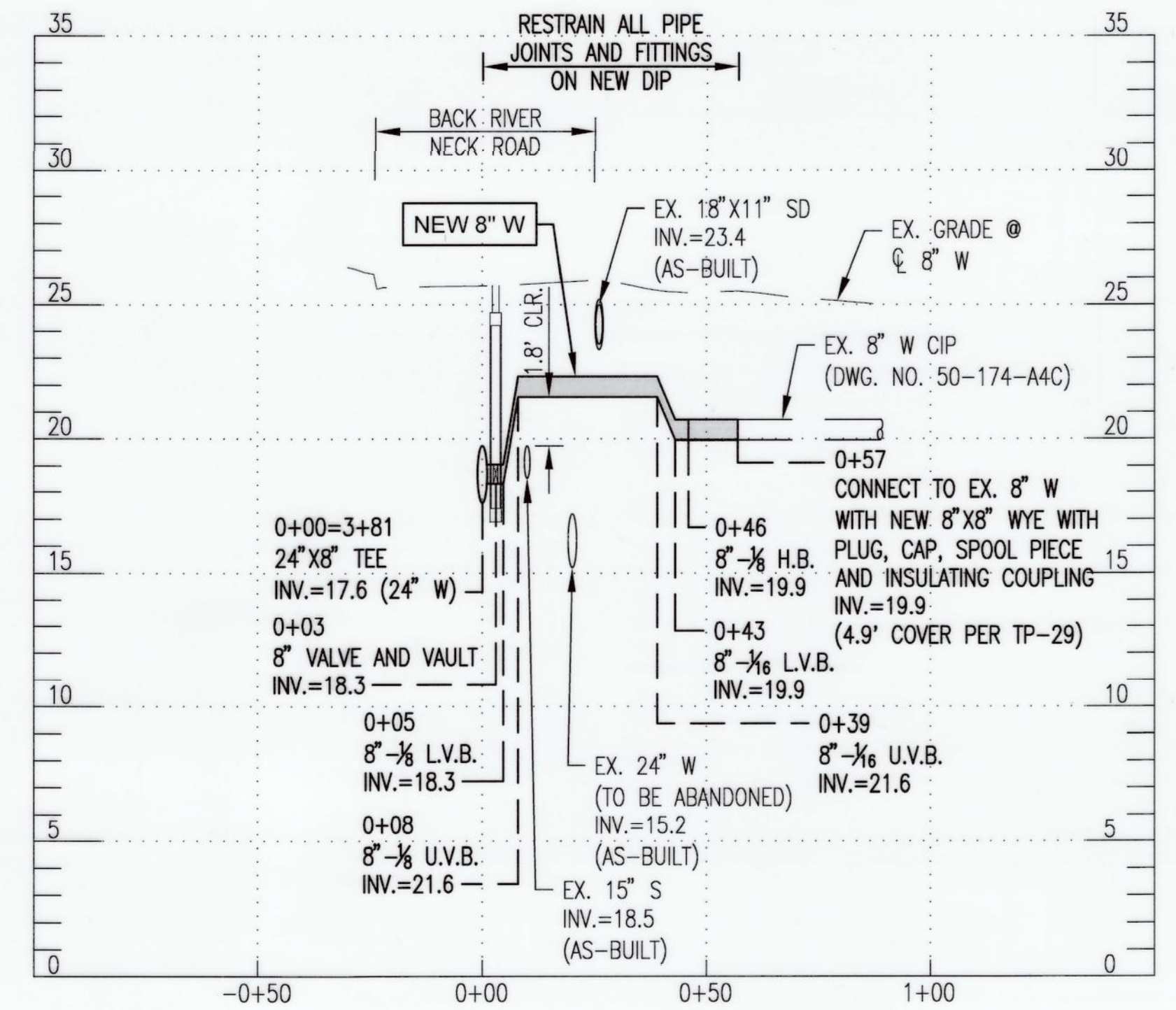
PROP. 8" WATER - HOPEWELL AVENUE EAST
(SEE SHEET 3)

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



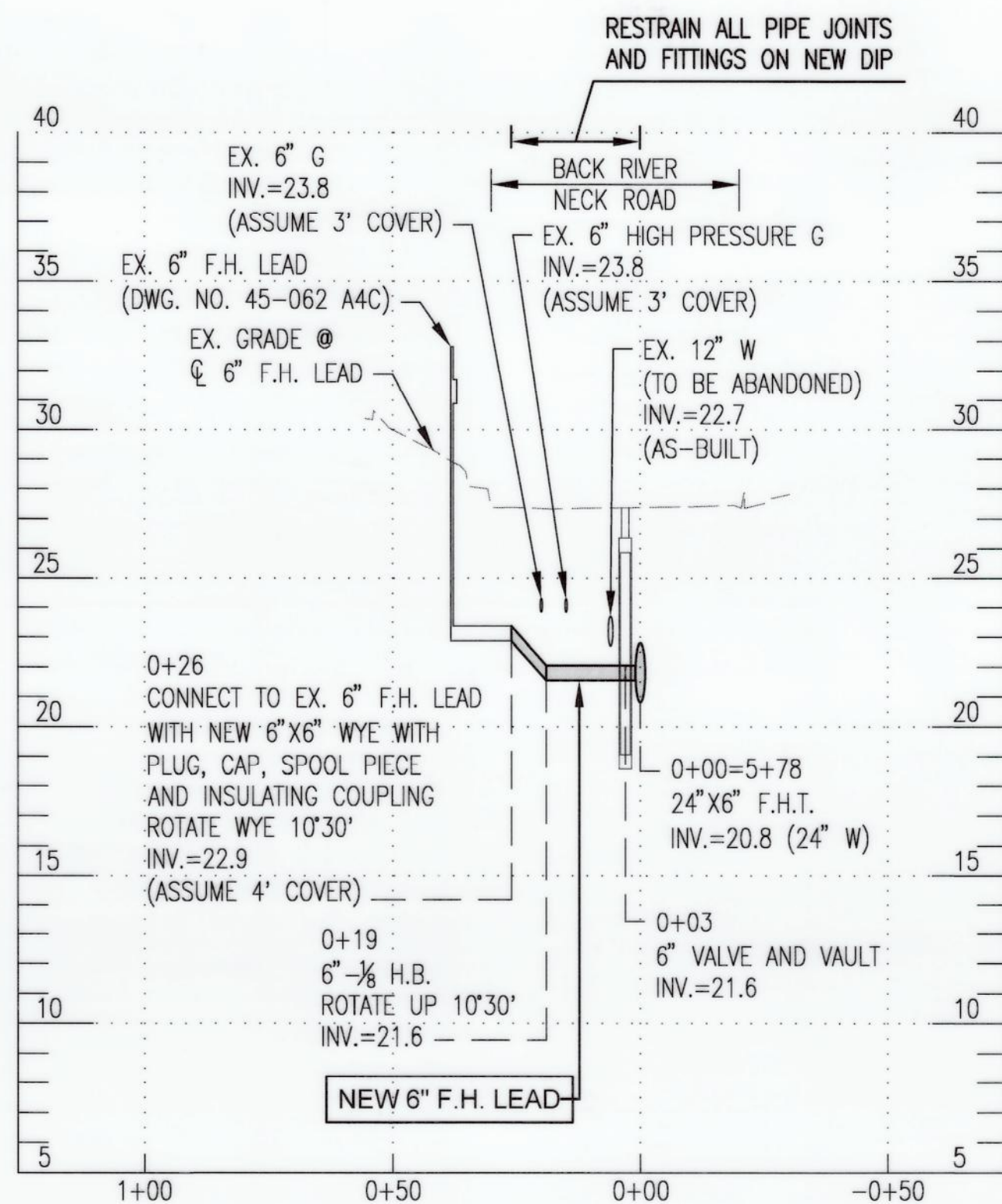
PROP. 6" F.H. LEAD
BACK RIVER NECK ROAD 24" W STA. 3+29
(SEE SHEET 4)

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



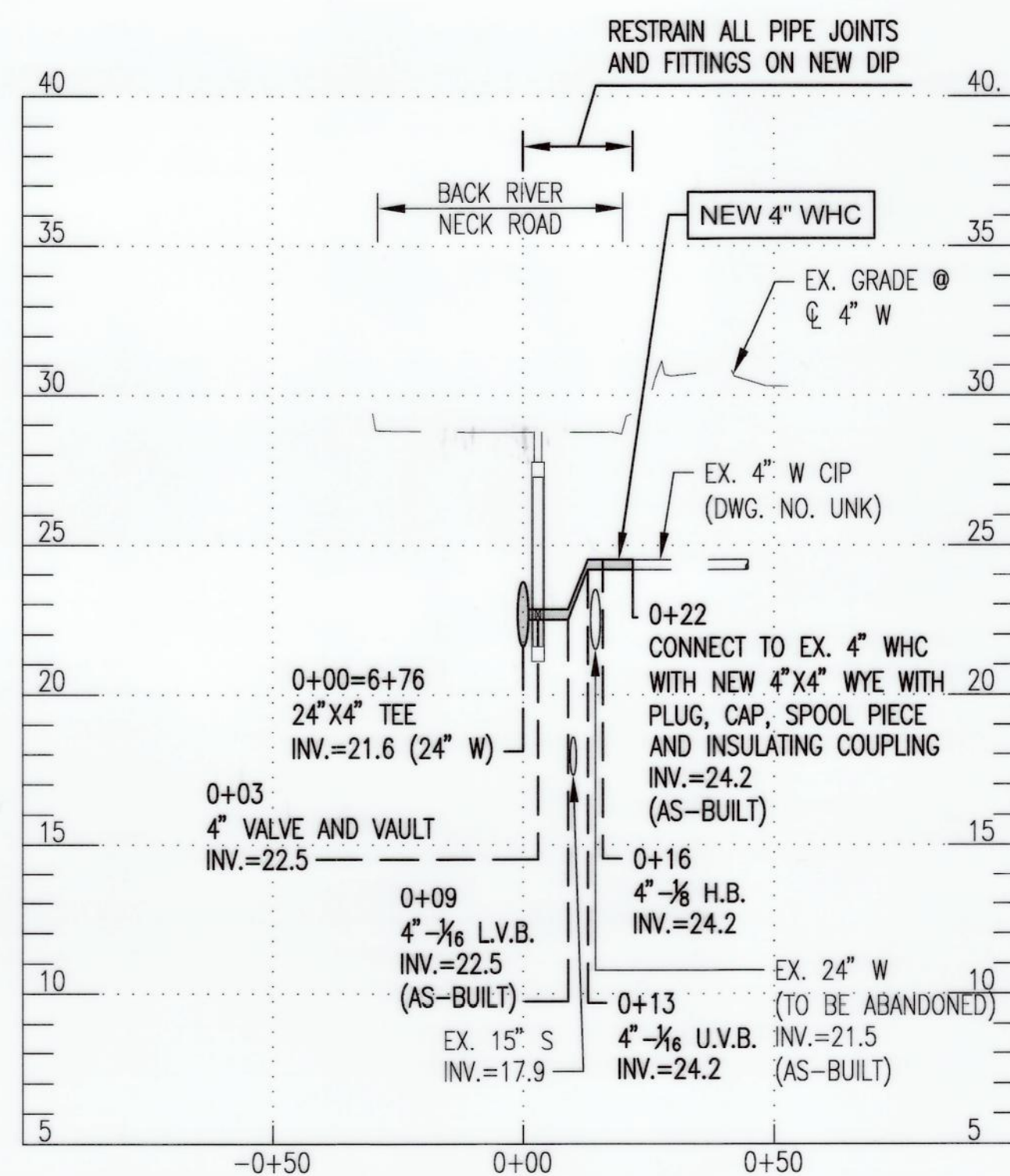
PROP. 8" WATER - HOPEWELL AVENUE WEST
(SEE SHEET 4)

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



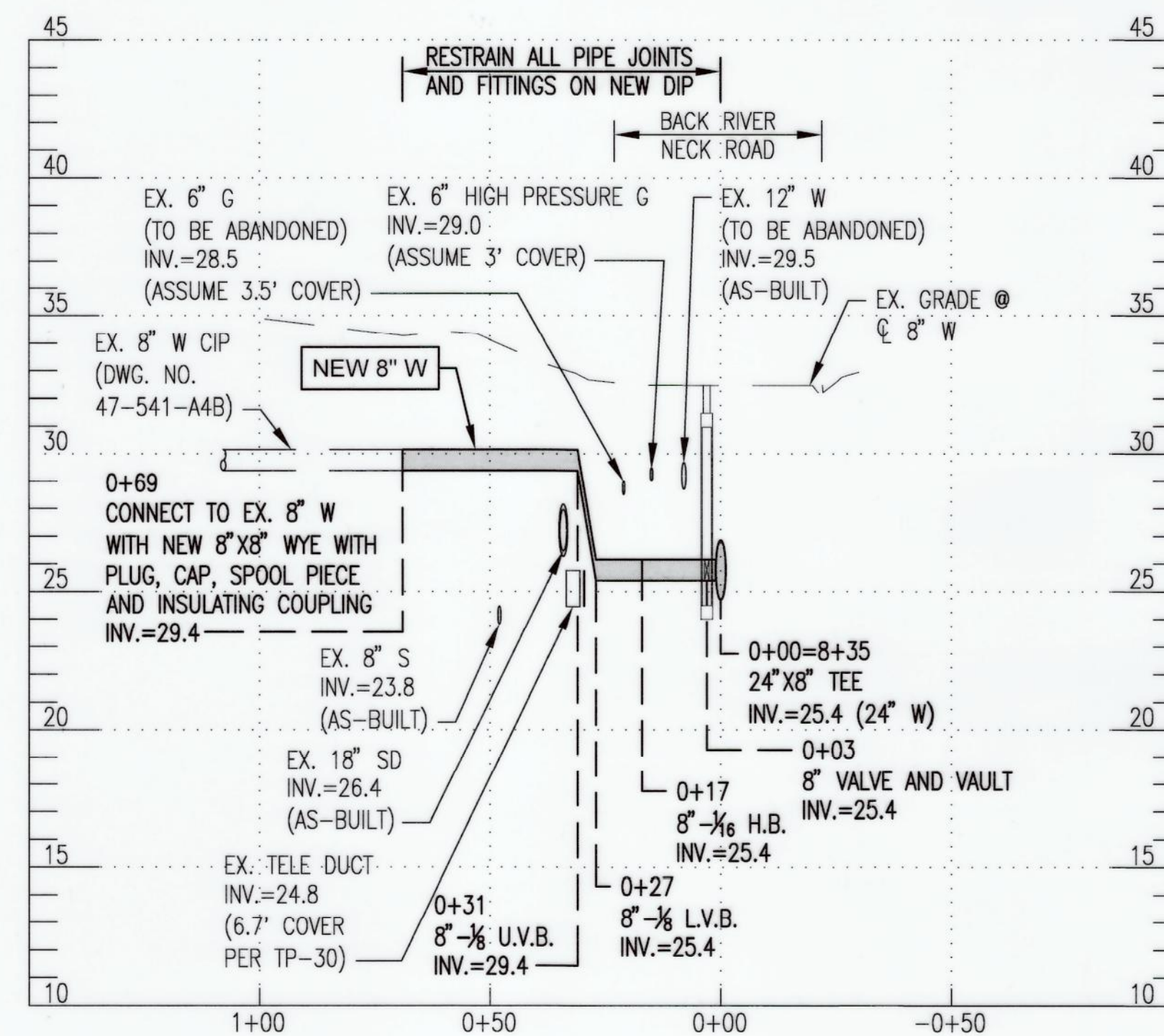
PROP. 6" F.H. LEAD
BACK RIVER NECK ROAD 24" W STA. 5+78
(SEE SHEET 4)

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



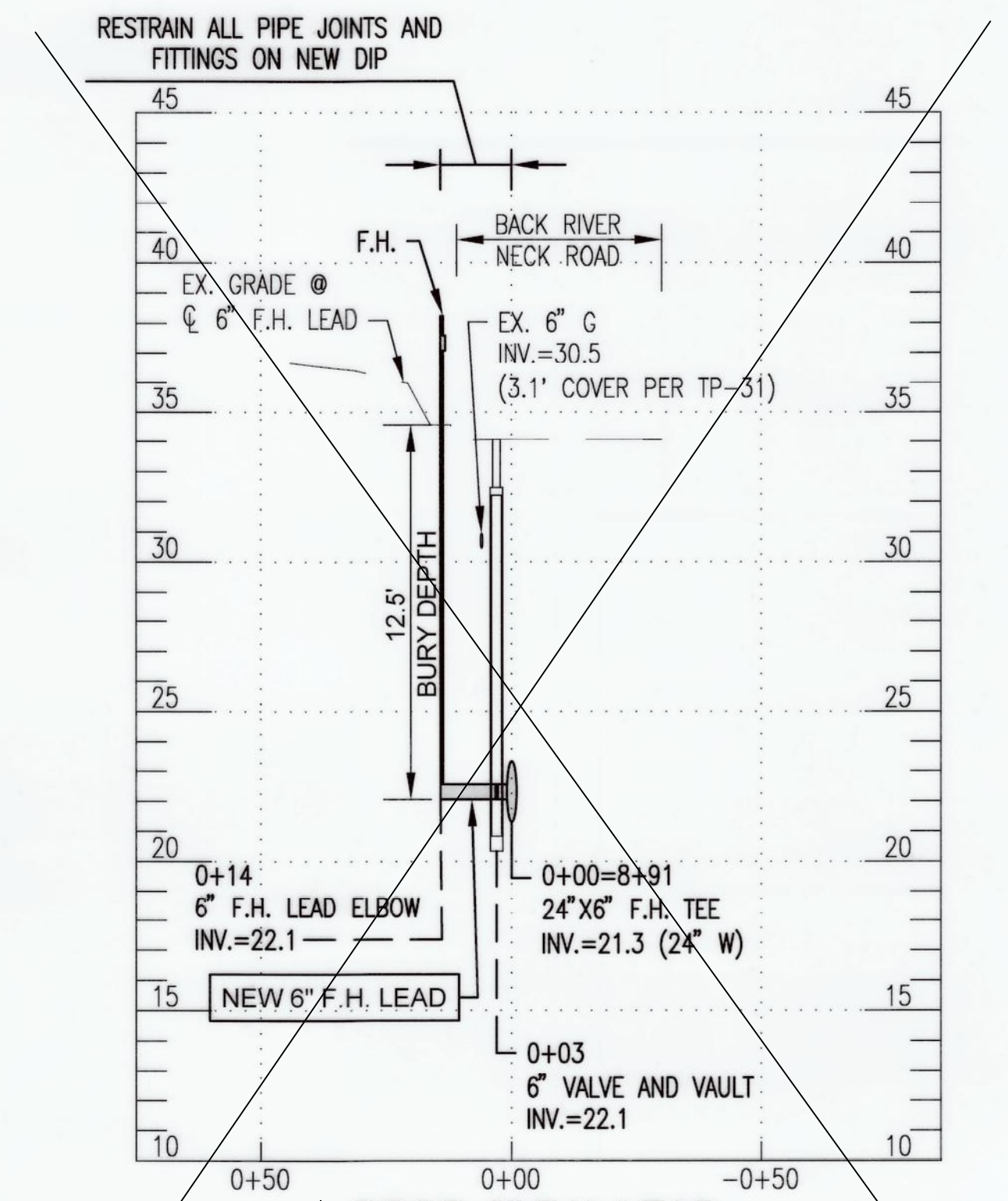
PROP. 4" WHC
BACK RIVER NECK ROAD 24" W STA. 6+76
(SEE SHEET 4)

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



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

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



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

SCALE: 1"=30' HORIZ.
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 10/21/26 ENGINEER: SHAWN BURNETT THE WILSON T. BALLARD CO. AS-BUILT PER RECORD PRINT BY: DATE: CHKD BY: SB		ADDENDUM 1		WTB	9/24/25				PLAN SCALE:	1"=30'	SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES	
								R.O.W NO.			PROFILE SCALE:		VERT. 1"=5' HORIZ. 1"=50'
			BUREAU OF ENGINEERING AND CONSTRUCTION		BUILDINGS	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	BUR. OF ENGINEERING & CONSTRUCTION	
			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 AND FIRE HYDRANT PROFILES ELECTION DIST. NO.:15C7

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SHEET DESIGNATION	CONTRACT NUMBER
WATER SH 11 OF 18	23186-WX0
JOB ORDER NUMBER	231-203-0067-0783
SHEET 11 OF 44	
DRAWING NUMBER	2023-2714
FILE NO.	45

DWG. FILENAME: T:\Baltimore County Utilities\000-122-03 Back River Neck Road Phase 3\DWG\BUT-0001_BRRNR.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		

CITY OF BALTIMORE

SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES

REVISION -- CITY OF BALTIMORE

SEAL

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. 208615 EXPIRATION DATE 10/21/26

ENGINEER: SHAWN BURNETT
THE WILSON T. BALLARD CO.

AS-BUILT PER RECORD PRINT

BY: DATE:

DESIGN BY: DS

DRAWN BY: TL

CHKD BY: SB

REVISION

ADDENDUM 1

BY DATE

WTB 9/24/25

P.W.A. NO.

R.O.W. NO.

KEY SHEET

POSITION SHT

DRAWING SCALE

PLAN SCALE: 1"=30'

PROFILE SCALE: VERT: 1"=5' HORIZ: 1"=50'

DPW & TRANSPORTATION

SEE DRAWING 2023-2704 FOR ORIGINAL SIGNATURES

BUR. 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 WATER HOUSE CONNECTIONS CHART AND MISCELLANEOUS TABLES

ELECTION DIST. NO.:15C7

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.	1/32 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"
2 EA.	FIRE HYDRANT	-
1 EA.	WYE	12"X12"
2 EA.	WYE	8"X8"
1 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"

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"
1 EA.	PLUG	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" 1-1/8 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):
☐ BONDED COATED PIPE PIPE DIAMETER(S): _____
☐ N/A - ZINC COATED PIPE
☐ WITH POLYETHYLENE ENCASEMENT PIPE DIAMETER(S): _____
☐ OTHER (SPECIFY): _____ PIPE DIAMETER(S): _____

SHEET DESIGNATION

WATER SH 15 OF 18

CONTRACT NUMBER

23186-WXO

JOB ORDER NUMBER

231-203-0067-0783

SHEET 15 OF 44

DRAWING NUMBER

2023-2718

FILE NO.: _____

STATE OF MARYLAND
BALTIMORE COUNTY
PROFESSIONAL ENGINEER
SHAWN BURNETT
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

Contract No. 23186 WXO
Addendum No. 1
Revised, October 21, 2025

BALTIMORE COUNTY
231-203-0067-0783
2023-2718

DWG. FILENAME: T:\ballmore County Utilities\600-122.03 Back River Neck Road Phase 3\DWG\p15-0010-BRRR.dwg