

**West Manchester Township  
Invitation to Bid  
for the  
Rainbow Circle Area Stormwater CIPP Repairs Project**

Proposals for construction services will be received by West Manchester Township (Township) for the stormwater pipes to be lined and grouted using cured in place piping (CIPP) in the area of Rainbow Circle until 9:00 AM prevailing time on October 18, 2024. Existing conditions drawing and inspection reports related to the pipes in question are available to be picked up at the Township Office at 380 East Berlin Road York, PA 17408 or through the Township website. All proposals shall be submitted at the Township building in a sealed envelope by 9:00 AM prevailing time on October 18, 2024.

The existing conditions drawing depicts the area in which the work will be conducted. The work of the Rainbow Circle project is considered stormwater repair work and no plans depicting the scope will be provided. About 197 linear feet (LF) of pipe be lined and grouted using cured in place piping (CIPP) as part of the work. The selected bidder will be responsible for all erosion and sediment control. The work will include lining approximately 25 LF of a 26"x40" elliptical pipe between inlet I-8 to inlet I-9 and 172 LF of a 26"x40" elliptical pipe between inlet I-9 to inlet I-10.

Any sidewalks, grass, plantings, surfaces, fences, structures, asphalt pavement, etc. damaged or removed during the work shall be restored by the contractor. Demolition, removal, and disposal of any items and materials shall be the responsibility of the contractor. Traffic control and pavement replacement along Misty Drive will be the responsibility of the contractor.

There is a CCTV inspection report attached with descriptions for bidders' reference. Bidders are encouraged to visit the site and can do so by appointment. Direct any such requests or questions about the project to Richard Shaw, Public Works Director, at 717.792.3505, or Alex Issis, at 717.343.4088 or at alex.issis@dawood.net. Bidders should contact the same to indicate they are considering submitting a proposal to complete the work so the Township or their engineer can maintain a list of prospective bidders and provide any updates to all interested parties.

Bidders should provide in their proposal a description of their availability and indication whether they could complete the work and invoice the Township before the end of the year. Bidders should include their standard terms and conditions with their proposal as well as a non-collusion affidavit and insurance certificate. The Township reserves the right to request additional clarification after receipt of bids. No bids will be accepted after the date and time stipulated in the first paragraph of this notice. The lowest and most qualified bidder will be awarded the project. The Township reserves the right to waive any irregularities in the bids.

Bidders must comply with all State anti-bid rigging regulations pertaining to work associated with this project. Notice is hereby given to Contractors that Public Works Projects, including construction, reconstruction, demolition, alteration and/or repair work, other than maintenance work, paid for in whole or in part out of the funds of the Public body, where the estimated cost of the total project is in excess of Twenty-Five Thousand Dollars (\$25,000.00), not including work performed under a rehabilitation or manpower training program, shall be subject to the Pennsylvania Prevailing Wage Act. The estimated cost of this project is more than Twenty-Five Thousand Dollars (\$25,000.00) and therefore, the Pennsylvania Prevailing Wage Act is anticipated to be applicable.

This project falls under The Commonwealth of Pennsylvania enacted Act 127 of 2012, known as the Public Works Employment Verification Act (the Act) which requires all public work contractors and subcontractors

to utilize the Federal Government's E-Verify system to ensure that all employees performing work on public work projects are authorized to work in the United States. All bidders are required to submit a Public Works Employment Verification Form as a precondition for award of the work.

West Manchester Township, in accordance with Title VI of the U.S. Civil Rights Act of 1964 and Parts 21 and 23 of 49 C.F.R., notifies all respondents that it will affirmatively ensure that MBE/WBE will be afforded full opportunity to submit proposals in response to this invitation and that no person will be discriminated against on the grounds of race, color, sex, or national origin in consideration for an award. Similarly, the successful bidder shall in no manner discriminate against or intimidate any employee involved in the manufacture of supplies, the performance of work, or any other activity required under the contract on account of gender, race, creed or color. Work must be performed to ensure that non-discrimination/sexual harassment provision of the CFA are met.





COMMONWEALTH OF PENNSYLVANIA

PUBLIC WORKS EMPLOYMENT VERIFICATION FORM

Business or Organization Name (Employer) \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Check One:

- Contractor
- Subcontractor

Contracting Public Body \_\_\_\_\_

Contract/Project No \_\_\_\_\_

Project Description \_\_\_\_\_

Project Location \_\_\_\_\_

Date Enrolled in E-Verify: \_\_\_\_\_

As a contractor/subcontractor for the above referenced public works contract, I hereby affirm that as of the above date, our company is in compliance with the Public Works Employment Verification Act ('the Act') through utilization of the federal E-Verify Program (EVP) operated by the United States Department of Homeland Security. To the best of my/our knowledge, all employees hired post January 1, 2013 are authorized to work in the United States.

It is also agreed to that all public works contractors/subcontractors will utilize the federal EVP to verify the employment eligibility of each new hire within five (5) business days of the employee start date throughout the duration of the public works contract. Documentation confirming the use of the federal EVP upon each new hire shall be maintained in the event of an investigation or audit.

I, \_\_\_\_\_, authorized representative of the company above, attest that the information contained in this verification form is true and correct and understand that the submission of false or misleading information in connection with the above verification shall be subject to sanctions provided by law.

\_\_\_\_\_  
Authorized Representative Signature

\_\_\_\_\_  
Date of Signature









## Legend of Classification (Section)

Project Name  
YORK PA STORM VPI

Project Date  
9/23/2022

**5:** Immediate Attention

Defects require immediate attention- Pipe has failed or will likely fail within the next 5 years or sooner.

**4:** Poor Condition

Severe Defects that will become Grade 5 defects within the foerseeable future- Pipe will probably fail in 5-10 years

**2:** Good Condition

Defects that have not begun to deteriorate- Pipe unlikely to fail for at least 20 years.

**1:** Excellent Condition

Minor Defects- Failure unlikley in the foreseeable future

**3:** Fair Condition

Moderate defects that will continue to deteriorate- Pipe may fail in 10-20 years.



## Inspection report

Date: <b>9/23/2022</b>	Work Order:	Weather:	Surveyed By: <b>Stew Eleftheriou</b>	Certificate Number: <b>U0318070300187</b>	Pipe Segment Ref.: <b>CB9-CB10</b>
Year laid:	Pre-cleaning: <b>No Pre-Cleaning</b>	Direction: <b>Downstream</b>	Pipe Joint Length:	Total Length: <b>170.2'</b>	Length Surveyed: <b>170.2'</b>

City: <b>YORK, PA</b>	Drainage Area:	Upstream MH: <b>CB9</b>
Street: <b>MISTY DR</b>	Media Label:	Up Rim to Invert: <b>0.0</b>
Location Code:	Flow Control:	Downstream MH: <b>CB10</b>
Location Details:	Sheet Number:	Down Rim to Invert: <b>0.0</b>
Pipe shape: <b>Oval</b>	Sewer Use: <b>Stormwater Pipe</b>	Total gallons used: <b>0.0</b>
Pipe size: <b>28 x 42"</b>	Sewer Category: <b>SEC</b>	Joints passed: <b>0</b>
Pipe material: <b>Corrugated Metal Pipe</b>	Purpose:	Joints failed: <b>0</b>
Lining Method:	Owner:	

Additional Info:

1:1285	Distance	Code	Observation	Counter	Photo	Grade
<b>CB9</b>						
	0.0	ACB	Catch Basin / CB9	00:00:11	1	
	0.0	MWL	Water Level, 0% of the vertical dimension	00:00:14	2	
	0.0	S01	DAE Deposits Attached Encrustation, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Start / RUST	00:00:18	3	
	14.7	S02	DSGV Deposits Settled Gravel, 5% of cross sectional area from 6 o'clock to 7 o'clock, within 8 inch, Start	00:01:24	4	
	33.2	F02	DSGV Deposits Settled Gravel, 5% of cross sectional area from 6 o'clock to 7 o'clock, within 8 inch, Finish	00:02:12	5	M2
	33.2	MWL	Water Level, 10% of the vertical dimension	00:02:14	6	
	36.8	S03	DSC Deposits Settled Compacted, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Start	00:02:37	7	
	49.8	F03	DSC Deposits Settled Compacted, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Finish	00:03:22	8	M2
	49.8	S04	DSC Deposits Settled Compacted, 10% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Start	00:03:24	9	
	73.6	F04	DSC Deposits Settled Compacted, 10% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Finish	00:04:25	10	M2
	131.7	S05	DSC Deposits Settled Compacted, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Start	00:06:09	11	
	141.6	OBR	Obstruction Rocks, 5% of cross sectional area at 7 o'clock	00:06:37	12	M2
	147.4	F05	DSC Deposits Settled Compacted, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Finish	00:07:00	13	M2
	169.7	F01	DAE Deposits Attached Encrustation, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Finish / RUST	00:07:41	14	M2
	170.2	ACB	Catch Basin / CB10	00:08:02	15	
<b>CB10</b>						
QSR	QMR	QOR	SPR	MPR	OPR	SPRI
0000	2100	2100	0.0	100.0	100.0	0.0
						MPRI
						OPRI
						2.0
						2.0

## Section Pictures - 9/23/2022 - CB9-CB10

City <b>YORK, PA</b>	Street <b>MISTY DR</b>	Date <b>9/23/2022</b>	Pipe Segment Reference <b>CB9-CB10</b>	Section No. <b>3</b>
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1, 00:00:11, 0.00ft  
 Catch Basin / CB9



2, 00:00:14, 0.00ft  
 Water Level, 0% of the vertical dimension



3, 00:00:18, 0.00ft  
 Deposits Attached Encrustation, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Start / RUST



4, 00:01:24, 14.69ft  
 Deposits Settled Gravel, 5% of cross sectional area from 6 o'clock to 7 o'clock, within 8 inch, Start



## Section Pictures - 9/23/2022 - CB9-CB10

City <b>YORK, PA</b>	Street <b>MISTY DR</b>	Date <b>9/23/2022</b>	Pipe Segment Reference <b>CB9-CB10</b>	Section No. <b>3</b>
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5, 00:02:12, 33.20ft  
 Deposits Settled Gravel, 5% of cross sectional area from 6 o'clock to 7 o'clock, within 8 inch, Finish



6, 00:02:14, 33.20ft  
 Water Level, 10% of the vertical dimension



7, 00:02:37, 36.84ft  
 Deposits Settled Compacted, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Start



8, 00:03:22, 49.84ft  
 Deposits Settled Compacted, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Finish



### Section Pictures - 9/23/2022 - CB9-CB10

City	Street	Date	Pipe Segment Reference	Section No.
YORK, PA	MISTY DR	9/23/2022	CB9-CB10	3



9, 00:03:24, 49.84ft  
 Deposits Settled Compacted, 10% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Start



10, 00:04:25, 73.57ft  
 Deposits Settled Compacted, 10% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Finish



11, 00:06:09, 131.71ft  
 Deposits Settled Compacted, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Start



12, 00:06:37, 141.57ft  
 Obstruction Rocks, 5% of cross sectional area at 7 o'clock



**Section Pictures - 9/23/2022 - CB9-CB10**

City	Street	Date	Pipe Segment Reference	Section No.
YORK, PA	MISTY DR	9/23/2022	CB9-CB10	3



13, 00:07:00, 147.36ft  
 Deposits Settled Compacted, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Finish



14, 00:07:41, 169.71ft  
 Deposits Attached Encrustation, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Finish / RUST



15, 00:08:02, 170.17ft  
 Catch Basin / CB10





## Inspection report

Date: <b>9/23/2022</b>	Work Order:	Weather:	Surveyed By: <b>Stew Eleftheriou</b>	Certificate Number: <b>U0318070300187</b>	Pipe Segment Ref.: <b>CB8-CB9</b>
Year laid:	Pre-cleaning: <b>No Pre-Cleaning</b>	Direction: <b>Upstream</b>	Pipe Joint Length:	Total Length: <b>20.2'</b>	Length Surveyed: <b>20.2'</b>

City: <b>YORK, PA</b>	Drainage Area:	Upstream MH: <b>CB8</b>
Street: <b>MISTY DR</b>	Media Label:	Up Rim to Invert: <b>0.0</b>
Location Code:	Flow Control:	Downstream MH: <b>CB9</b>
Location Details:	Sheet Number:	Down Rim to Invert: <b>0.0</b>
Pipe shape: <b>Oval</b>	Sewer Use: <b>Stormwater Pipe</b>	Total gallons used: <b>0.0</b>
Pipe size: <b>28 x 42 "</b>	Sewer Category: <b>SEC</b>	Joints passed: <b>0</b>
Pipe material: <b>Corrugated Metal Pipe</b>	Purpose:	Joints failed: <b>0</b>
Lining Method:	Owner:	

Additional Info:

1:153	Distance	Code	Observation	Counter	Photo	Grade
<b>CB9</b>						
	0.0	ACB	Catch Basin / CB9	00:00:10	1	
	0.0	MWL	Water Level, 0% of the vertical dimension	00:00:12	2	
	0.0	S01 DAE	Deposits Attached Encrustation, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Start	00:00:16	3	
	7.8	SMW	Surface Damage Missing Wall from 5 o'clock to 7 o'clock / BOTTOM OF PIPE STARTING TO RUST AWAY	00:01:06	4, 5	S5
	16.2	SMW	Surface Damage Missing Wall from 5 o'clock to 7 o'clock / BOTTOM OF PIPE RUSTING AWAY	00:01:53	6, 7	S5
	20.2	F01 DAE	Deposits Attached Encrustation, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Finish	00:02:30	8	M2
	20.2	ACB	Catch Basin / CB8	00:02:33	9	
<b>CB8</b>						
QSR	QMR	QOR	SPR	MPR	OPR	SPRI
5200	2400	5224	10.0	8.0	18.0	5.0
						MPRI
						2.0
						OPRI
						3.0

## Section Pictures - 9/23/2022 - CB8-CB9

City	Street	Date	Pipe Segment Reference	Section No.
YORK, PA	MISTY DR	9/23/2022	CB8-CB9	4



1, 00:00:10, 0.00ft  
 Catch Basin / CB9



2, 00:00:12, 0.00ft  
 Water Level, 0% of the vertical dimension



3, 00:00:16, 0.00ft  
 Deposits Attached Encrustation, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Start



4, 00:01:06, 7.82ft  
 Surface Damage Missing Wall from 5 o'clock to 7 o'clock / BOTTOM OF PIPE STARTING TO RUST AWAY



**Section Pictures - 9/23/2022 - CB8-CB9**

City	Street	Date	Pipe Segment Reference	Section No.
YORK, PA	MISTY DR	9/23/2022	CB8-CB9	4



5, 00:01:06, 7.82ft  
 Surface Damage Missing Wall from 5 o'clock to 7 o'clock /  
 BOTTOM OF PIPE STARTING TO RUST AWAY



6, 00:01:53, 16.23ft  
 Surface Damage Missing Wall from 5 o'clock to 7 o'clock /  
 BOTTOM OF PIPE RUSTING AWAY



7, 00:01:53, 16.23ft  
 Surface Damage Missing Wall from 5 o'clock to 7 o'clock /  
 BOTTOM OF PIPE RUSTING AWAY



8, 00:02:30, 20.17ft  
 Deposits Attached Encrustation, 5% of cross sectional area  
 from 5 o'clock to 7 o'clock, within 8 inch, Finish



### Section Pictures - 9/23/2022 - CB8-CB9

City <b>YORK, PA</b>	Street <b>MISTY DR</b>	Date <b>9/23/2022</b>	Pipe Segment Reference <b>CB8-CB9</b>	Section No. <b>4</b>
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9, 00:02:33, 20.17ft  
Catch Basin / CB8





## Inspection report

Date: <b>9/23/2022</b>	Work Order:	Weather:	Surveyed By: <b>Stew Eleftheriou</b>	Certificate Number: <b>U0318070300187</b>	Pipe Segment Ref.: <b>CB2-CB3</b>
Year laid:	Pre-cleaning: <b>No Pre-Cleaning</b>	Direction: <b>Upstream</b>	Pipe Joint Length:	Total Length: <b>94.8'</b>	Length Surveyed: <b>94.8'</b>

City: <b>YORK, PA</b>	Drainage Area:	Upstream MH: <b>CB2</b>
Street: <b>RAINBOW CIR</b>	Media Label:	Up Rim to Invert: <b>0.0</b>
Location Code:	Flow Control:	Downstream MH: <b>CB3</b>
Location Details:	Sheet Number:	Down Rim to Invert: <b>0.0</b>
Pipe shape: <b>Circular</b>	Sewer Use: <b>Stormwater Pipe</b>	Total gallons used: <b>0.0</b>
Pipe size: <b>24"</b>	Sewer Category: <b>SEC</b>	Joints passed: <b>0</b>
Pipe material: <b>Corrugated Metal Pipe</b>	Purpose:	Joints failed: <b>0</b>
Lining Method:	Owner:	

Additional Info:

1:716	Distance	Code	Observation	Counter	Photo	Grade
<b>CB3</b>						
	0.0	ACB	Catch Basin / CB3	00:00:09	1	
	0.0	MWL	Water Level, 0% of the vertical dimension	00:00:12	2	
	0.0	S01 DAE	Deposits Attached Encrustation, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Start / RUST	00:00:17	3	
	2.7	S02 SMW	Surface Damage Missing Wall from 5 o'clock to 7 o'clock, within 8 inch, Start / BOTTOM OF PIPE HAS BEGUN RUSTING AWAY	00:00:44	4, 5	
	22.2	MWL	Water Level, 5% of the vertical dimension	00:02:43	6	
<b>CB2</b>						
	94.8	F01 DAE	Deposits Attached Encrustation, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Finish / RUST	00:07:20	7	M2
	94.8	F02 SMW	Surface Damage Missing Wall from 5 o'clock to 7 o'clock, within 8 inch, Finish / BOTTOM OF PIPE HAS BEGUN RUSTING AWAY	00:07:23	8	S5
	94.8	ACB	Catch Basin / CB2	00:07:26	9	

QSR	QMR	QOR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5B00	2B00	5B2B	90.0	38.0	128.0	5.0	2.0	3.5

**Section Pictures - 9/23/2022 - CB2-CB3**

City	Street	Date	Pipe Segment Reference	Section No.
YORK, PA	RAINBOW CIR	9/23/2022	CB2-CB3	10



1, 00:00:09, 0.00ft  
 Catch Basin / CB3



2, 00:00:12, 0.00ft  
 Water Level, 0% of the vertical dimension



3, 00:00:17, 0.00ft  
 Deposits Attached Encrustation, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Start / RUST



4, 00:00:44, 2.69ft  
 Surface Damage Missing Wall from 5 o'clock to 7 o'clock, within 8 inch, Start / BOTTOM OF PIPE HAS BEGUN RUSTING AWAY



## Section Pictures - 9/23/2022 - CB2-CB3

City	Street	Date	Pipe Segment Reference	Section No.
YORK, PA	RAINBOW CIR	9/23/2022	CB2-CB3	10



5, 00:00:44, 2.69ft  
 Surface Damage Missing Wall from 5 o'clock to 7 o'clock, within 8 inch, Start / BOTTOM OF PIPE HAS BEGUN RUSTING AWAY



6, 00:02:43, 22.22ft  
 Water Level, 5% of the vertical dimension



7, 00:07:20, 94.76ft  
 Deposits Attached Encrustation, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Finish / RUST



8, 00:07:23, 94.76ft  
 Surface Damage Missing Wall from 5 o'clock to 7 o'clock, within 8 inch, Finish / BOTTOM OF PIPE HAS BEGUN RUSTING AWAY



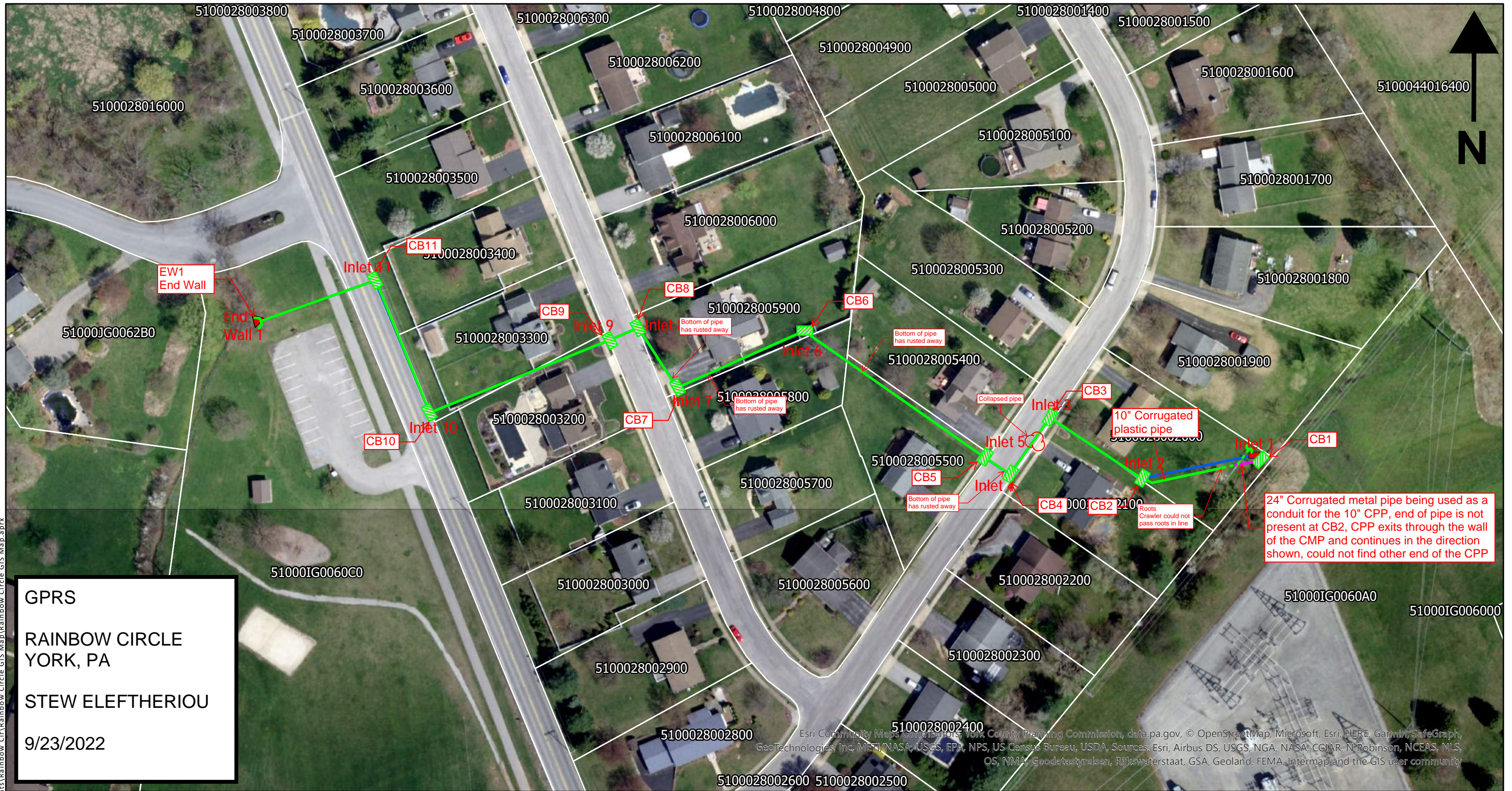
### Section Pictures - 9/23/2022 - CB2-CB3

City <b>YORK, PA</b>	Street <b>RAINBOW CIR</b>	Date <b>9/23/2022</b>	Pipe Segment Reference <b>CB2-CB3</b>	Section No. <b>10</b>
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9, 00:07:26, 94.76ft  
Catch Basin / CB2






GPRS  
 RAINBOW CIRCLE  
 YORK, PA  
 STEW ELEFThERIOU  
 9/23/2022

C:\Users\benjamin.clemmer\Documents\Rainbow Circle GIS Map\Rainbow Circle GIS Map.aprx


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DOCUMENT PREPARED BY:



4250 Crums Mill Rd #301  
 Harrisburg, PA 17112  
 t: 855.432.9663

DOCUMENT PREPARED FOR:



LEGEND:

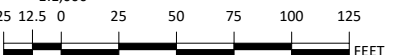
- Conveyance Pipe
- Catch Basin
- ▶ Endwall

**RAINBOW CIRCLE  
 CCTV INSPECTION**

**APPROXIMATE INLET AND  
 PIPE LOCATION MAP**

YORK COUNTY, PENNSYLVANIA

SCALE: 1:1,000



N	
DATE:	06/29/2022
PROJECT NUMBER:	2200038.01
DRAWN BY:	BCC
REVIEWED BY:	RAN
APPROVED BY:	RAN
SHEET:	1 OF 1