

ADDENDUM NO. 1  
04/11/2025  
Pollution Reduction Plan  
Borough of West Chester  
Chester County, PA

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The information enclosed in this addendum has been issued in order to include revisions to the Pollution Reduction Plan (PRP), originally approved by PADEP in 2018.

Specifically, Addendum No. 1 includes additional proposed BMP's. Enclosed herein, are the amended sections of the original report.

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**Section A, Public Participation.**

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*The following section shall be appended to Section A, Public Participation.*

*Public Participation – Addendum No. 1*

The Borough of West Chester has completed the Public Participation measures for Addendum No. 1. All required documentation of public participation for Addendum No. 1 is included in Appendix A of this Addendum.

- Proposed PRP Plan Addendum No. 1 public notice was published in: Daily Local News
- Proposed PRP Plan Addendum No. 1 public notice was published in newspaper: xx/xx/2025
- Proposed PRP Plan Addendum No. 1 was made available for public review/comment: xx/xx/2025
- End date for receipt of written comments (30 days from the date of public notice): xx/xx/2025
- Proposed PRP Plan Addendum No. 1 comments were accepted at a public meeting: xx/xx/2025

Questions received were of a general nature only, and no comments were made that required a response in, or revision to, this document.

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## Section E, Select BMPs To Achieve the Minimum Required Reductions in Pollutant Loading

### *The following section shall be appended to Section E, Select BMPs to Achieve the Minimum Required Reductions in Pollutant Loading*

#### *Additional BMPs & Revised Calculation Methodology – Addendum No. 1*

The total sediment load, drainage area and loading rate was determined from the previous MapShed calculations for the Goose Creek Drainage area in West Chester Borough are listed in Table 1. The loading rate was assumed to be consistent throughout the Goose Creek Watershed because according to Appendix D, the Goose Creek Watershed is composed entirely of High-Density Residential and High-Density Mixed Urban land. At the time of this addendum, the version of MapShed was no longer available for public use. A loading rate of 99.3 lbs./ac/year for High Density-Mixed land use (HD Mixed) and 99.0 lbs./ac/year for High Density-Residential (HD Residential) were previously determined in the MapShed software and used for the initial PRP reduction calculations. For consistency, these same loading rates will be used in the updated reduction calculations.

*Table 1 – Existing Sediment Load & Loading Rate, Addendum No. 1*

Source	Total Sediment Load (lbs./yr)	Drainage Area (acres)	Loading Rate (lbs./ac/year )
Forest	27	2	13.5
HD Mixed	20,853	210	99.3
HD Residential	4,356	44	99.0
<b>Total</b>	<b>25,236</b>	256	-

The sediment reductions from the proposed structural BMPs were calculated using the loading rate found in Table 1, BMP drainage area, and the BMP efficiencies found in the PA DEP BMP Effectiveness Values Table.

Proposed BMPs added via this addendum are listed below.

- Bio Swale at the Public Works Building
- Rain Garden at the Public Works Building
- Bio Retention Garden at the end of Magnolia & Maple Avenue
- Bio Swale at the Good Will Fire Company No. 2 Building
- Bio Swales at the intersection of Bolmar Street & Miner Street
- Nineteen (19) Roadway Bump-out Rain Gardens to collect roadway stormwater runoff at twelve (12) intersections
  - S. Matlack Street & Magnolia Street
  - S. Matlack Street & Union Street
  - S. Matlack Street & Linden Street
  - S. Matlack Street & Lacey Street
  - S. Matlack Street & E. Nields Street
  - S. Matlack Street & E. Miner Street
  - Linden Street & Maple Alley
  - E. Miner Street & Poplar
  - S. Adams Street & E. Miner Street
  - S. Franklin Street & E. Miner Street

- Market Street Midblock between Franklin Avenue & S Adams Street
  - S. Walnut Street & E. Barnard Street
- Basin Retrofit to convert Dry Detention Basin at Union & Worthington Street into a Bioretention Rain Garden
- Streetscape & Bioswale Project along S. Bolmar Street near E. Miner Street

Drainage Areas for each BMP were delineated using contours provided by Pennsylvania Spatial Data Access (PASDA). The BMP efficiencies were determined by using the PA DEP BMP Effectiveness Values Table. Sketches for these proposed BMPs can be found in the Appendices of this addendum. A summary of the reductions for the structural BMPs can be found in Table 2 on the next page

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Table 2 – Calculation Methodology: Structural BMPs, Addendum No. 1

Location	BMP Type	Drainage Area (ac)	Land Use	Loading (lbs./ac/yr)	Efficiency (%)	Reduction (lbs./yr)
John O. Green Park	Permeable Pavement w/o Sand or Veg (A/B Soils w/o underdrain)	1.12	HD Mixed	99.3	85%	94.9
Fugett Park/Borough Hall	Raingarden (A/B soils w/ underdrain)	1.07	HD Mixed	99.3	80%	85.0
	Filtering Practices	0.55	HD Mixed	99.3	80%	43.7
Greenview Alley	Bioretention (A/B soils w/o underdrain)	0.47	HD Mixed	99.3	90%	42.0
	Bioretention (A/B soils w/o underdrain)	0.22	MD Mixed	99.3	90%	19.7
	Bioretention (A/B soils w/o underdrain)	0.06	LD Mixed	24.5	90%	1.3
					<b>Subtotal</b>	286.6
<b>2023 Additional Proposed BMPs</b>						
Public Works Building	Bioswale	0.67	HD Mixed	99.3	80%	53.2
	Raingarden (A/B soils w/o underdrain)	0.8	HD Mixed	99.3	90%	71.5
Magnolia St. & Maple Alley	Bioretention (A/B soils w/o underdrain)	0.65	HD Residential	99.0	90%	57.5
Good Will Fire Company	Bioswale	1.34	HD Mixed	99.3	80%	106.4
Various Intersections	"Bump-out" Rain Gardens (A/B soils w underdrain)	28.52	HD Residential	99.0	80%	2258.8
Bolmar St. & Miner St.	Bioswale	0.8	HD Residential	99.0	80%	63.4
Union St & Worthington St*	Bioretention (A/B soils w/ underdrain)	4.25	HD Residential	99.0	20%	84.2
					<b>Subtotal</b>	2694.9
					<b>Total Reduction</b>	<b>2981.5</b>

\*Union St Bio Retention is a basin retrofit of a Dry Extended Detention Basin, as such the calculated reduction/efficiency is the difference between the two types of BMPs

The Street Sweeping load reduction was calculated using the loading rate (98.58 lbs./ac/yr) and the efficiency rate was determined from the PA DEP BMP Effectiveness Values Table (9%) for sweeping 25 times a year. The miles swept and their area equivalent is 16 miles, or 16 acres. A reduction of 142 lbs./yr of sediment was calculated. A summary of the street sweeping sediment reduction can be found in Table 3.

*Table 3 – Calculation Methodology: Street Sweeping, Addendum No. 1*

<b>BMP Type</b>	<b>Miles Swept</b>	<b>Loading (lbs./ac/yr)</b>	<b>Efficiency</b>	<b>Reduction (lbs./yr)</b>
<b>Street Sweeping</b>	16	98.58	9%	142

A summary of the tree planting sediment load reduction calculations can be found in Table 4.

*Table 4 – Calculation Methodology: Tree Plantings, Addendum No. 1*

<b>BMP Type</b>	<b>Trees</b>	<b>Effective DA (Acres)</b>	<b>Loading (lbs./ac/yr)</b>	<b>Efficiency</b>	<b>Reduction (lbs./yr)</b>
<b>Planted Trees</b>	90	0.9	98.58	20%	17.74

In the original report the Borough proposed to install approximately two-hundred (200) feet of streambank restoration, with a reduction rate of 115 lb/ft/yr. Therefore, the proposed streambank restoration of two-hundred (200) feet would have resulted in 23,000 lbs./yr (200 ft \* 115 lbs/ft/yr) reduction. This BMP was found to be infeasible and will not be included in the MS4 BMP Strategy.

*Table 5 – Calculation Methodology: Streambank Stabilization & Restoration*

<b>-</b>	<b>Length (ft)</b>	<b>Loading (lbs./ft/yr)</b>	<b>Reduction (lbs./yr)</b>
<b>Streambank Stabilization &amp; Restoration</b>	200	115	23,000

Jellyfish installation was proposed in the original report. A summary of the jellyfish endwall sediment load reduction calculations can be found in Table 6. The loading rate found in Table 1 was used. Sediment reductions of 874 lbs./yr and 693 lbs./yr were calculated for Endwalls 13 and 37 respectively. This BMP was found to be infeasible and will not be included in the MS4 BMP Strategy.

*Table 6 – Calculation Methodology: Jellyfish Endwalls*

<b>-</b>	<b>Area (ac)</b>	<b>Loading</b>	<b>Efficiency</b>	<b>% of DA reached</b>	<b>Reduction (lbs./yr)</b>
<b>Endwall 13</b>	44	99.3	80%	25%	874
<b>Endwall 37</b>	35	99.0	80%	25%	693
<b>Subtotal:</b>					<b>1,567</b>

A summary of all proposed BMPs found infeasible and their respective load reductions can be found in Table 7 on the next page.

Table 7 – Total Reduction from proposed BMPs found infeasible, Addendum No. 1

	Reduction (lbs./yr)
<b>Streambank Stabilization</b>	23,000
<b>Jellyfish Endwalls</b>	1,576
<b>Subtotal</b>	24,576

A summary of all proposed BMPs in the previous PRP plan can be found in Table 8. The streambank restoration and stabilization BMP and jellyfish endwall BMPs were found to be infeasible and will not be included in the MS4 BMP Strategy. A revised summary of all proposed BMPs can be found in Table 9.

Table 8 – Previous PRP Strategy Summary, to be replaced with Table 9

Existing Load (lbs./yr)	25,236
Percent Reduction	10%
Required Reduction (lbs./yr)	2,524
Proposed Reduction (lbs./yr)	<del>287 (Three BMP Locations)</del> <del>142 (Street Sweeping)</del> <del>18 (Plant Street Trees)</del> <del>23,000 (Streambank Restoration)</del> <del>874 (Endwall 13)</del> <del>695 (Endwall 37)</del> <u>Total Potential Reduction 25,016</u>

Table 9 – Revised Summary of Proposed BMPs, Addendum No. 1

Existing Load (lbs./yr)	25,236
Percent Reduction	10%
Required Reduction (lbs./yr)	2,524
Proposed Potential Reduction (lbs./yr)	95 (John O. Green Park) 129 (Fugett Park/Borough Hall) 63 (Greenview Alley) 53 (Public Works Building Bioswale) 72 (Public Works Raingarden) 58 (Magnolia St. & Maple Alley) 106 (Good Will Fire Company) 2,259 (Various Intersections) 63 (Bolmar St. & Miner St.) 84 (Union St & Worthington St Bio Retention) 18 (Planted Trees) 142 (Street Sweeping)  <u>Potential Total: 3,142 lbs./yr</u>

A summary of the MS4 strategy can be found in Table 10.

Table 10 – Summary of MS4 Strategy, Addendum No. 1

Description	Value	Unit
Chester Creek Storm Sewershed/PRP Planning Area	256	acres
Existing Sediment Load	25,236	lb/year
Required Sediment Pollutant Load Reduction Percentage	10%	lb/year
Required Sediment Pollutant Load Reduction	2,524	lb/year
Proposed Sediment Load Reduction from BMP's	3,142	lb/year

**Section G, Identify Responsible Parties for Operation and Maintenance (O&M) of BMPs**

*The following section shall be appended to Section G, Identify Responsible Parties for Operation and Maintenance (O&M) of BMPs*

*Table 11 – Summary of Operation & Maintenance of BMPs, Addendum No. 1*

<b>NAME OF BMP</b>	<b>RESPONSIBLE PARTY</b>	<b>O&amp;M ACTIVITY &amp; FREQUENCY</b>
Street Sweeping	West Chester Borough	Per PA BMP Manual (latest revision) BMP 5.9.1 pg 94-97
Street Tree Planting	West Chester Borough	Per PA BMP Manual (latest revision) BMP 5.6.3 pg 63-67
<del>Streambank Restoration</del>	<del>West Chester Borough</del>	<del>Per PA BMP Manual (latest revision) BMP 6.7.1 pg 191-210</del>
Proposed Infiltration Facilities	West Chester Borough	Per PA BMP Manual (latest revision) BMP 6.4.3/6.4.4 pg 33-47
<del>Jellyfish Filters</del>	<del>West Chester Borough</del>	<del>Per Manufactures Instructions</del>
Inlet Cleaning	West Chester Borough	Per PA DEP Direction and Applicable Manufacturer's Instructions
Public Works Bio Swale	West Chester Borough	Per PA DEP Manual (latest Revision) BMP 6.4.1
Public Works Rain Garden	West Chester Borough	Per PA DEP Manual (latest Revision) BMP 6.4.1
Magnolia & Maple Bio Retention	West Chester Borough	Per PA DEP Manual (latest Revision) BMP 6.4.1
Good Will Fire Company Bio Swale	West Chester Borough	Per PA DEP Manual (latest Revision) BMP 6.4.1
"Bump Out" Rain Gardens	West Chester Borough	Per PA DEP Manual (latest Revision) BMP 6.4.2
Bolmar & Miner Bio Swale	West Chester Borough	Per PA DEP Manual (latest Revision) BMP 6.4.3
Union & Worthington Bio Retention	West Chester Borough	Per PA DEP Manual (latest Revision) BMP 6.4.4

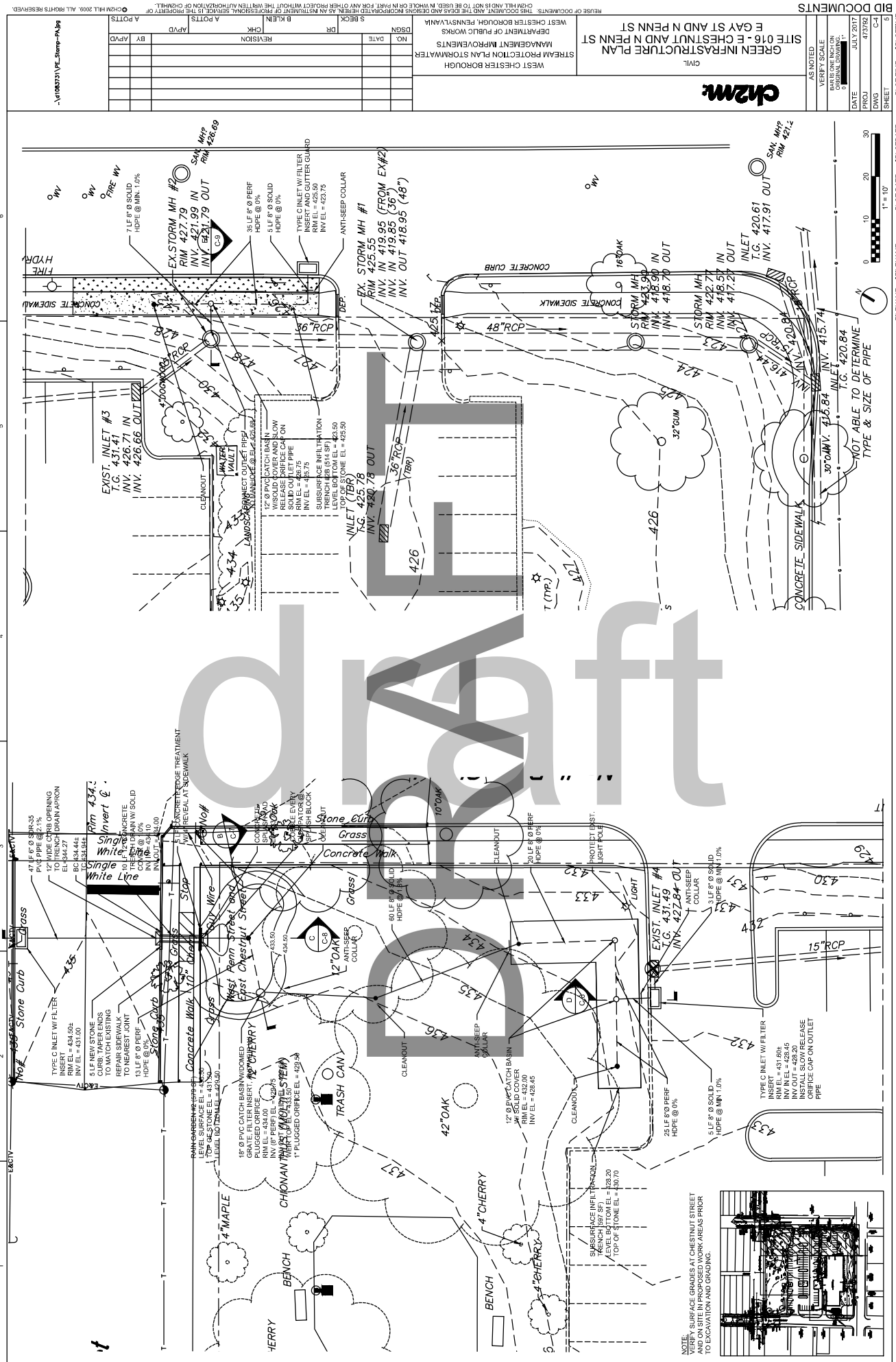
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INSERT PUBLIC PARTICIPATION  
INFORMATION

dratt

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NO.	DATE	REVISION	BY	APP'D

**CH2M**

**GREEN INFRASTRUCTURE PLAN**  
 SITE 016 - E CHESTNUT AND N PENN ST  
 E GAY ST AND N PENN ST

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




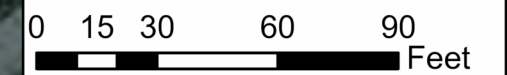
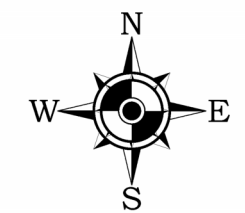
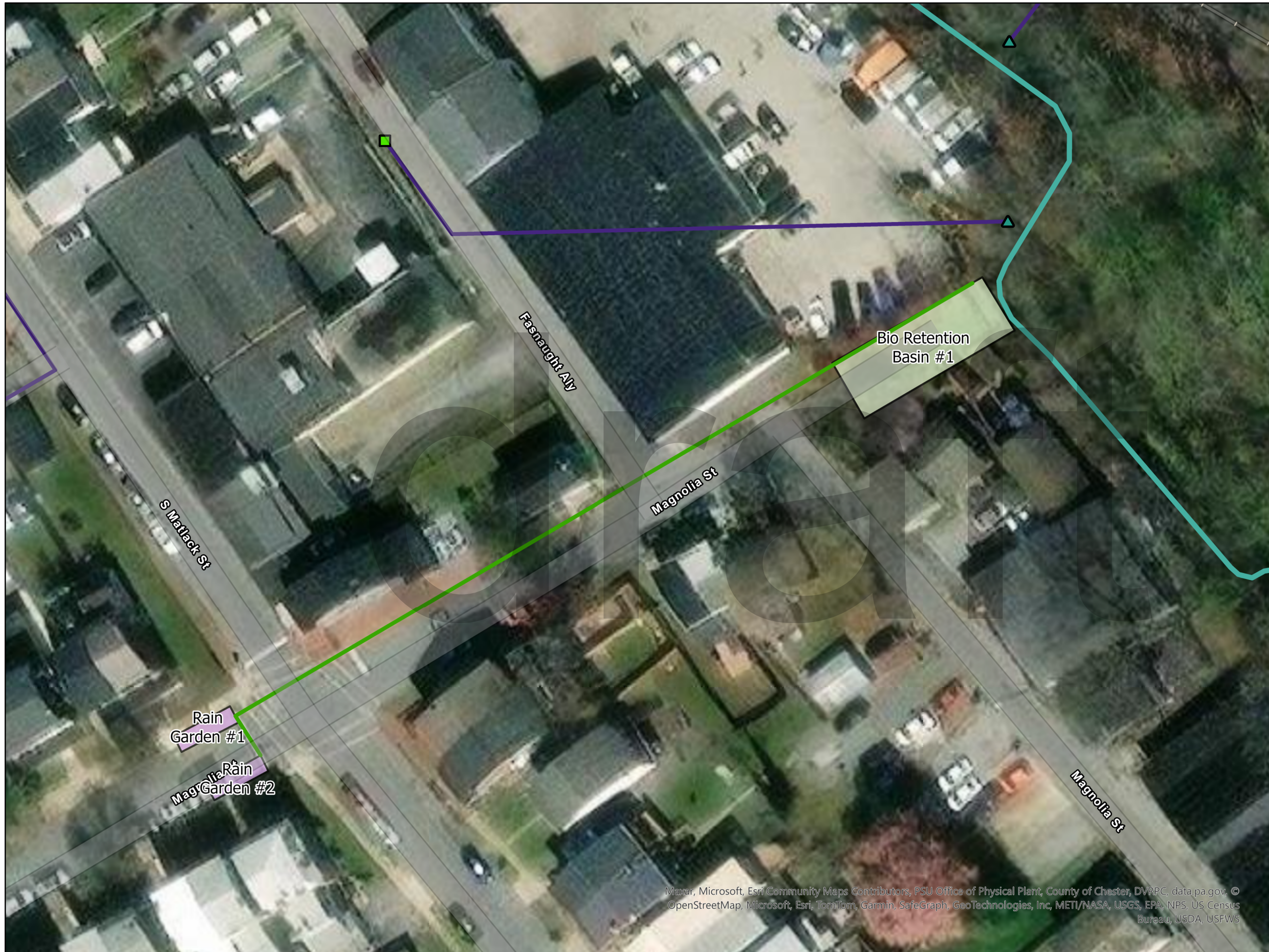
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**PROPOSED BMP'S FOR WEST CHESTER TMDL AND PRP PLANS**  
**WEST CHESTER**  
**CHESTER COUNTY**

DECEMBER, 2023

**Legend**

-  Existing Outlet
  -  Existing Manhole
  -  Existing Inlet
  -  Proposed Pipe
  -  Existing Storm Pipe
  -  Channel
  -  Existing Storm Basins
- Proposed BMPs**
- Type
-  Bio Retention Basin
  -  Bump-Out Rain Garden



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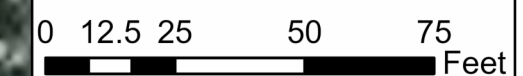
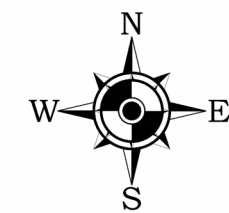
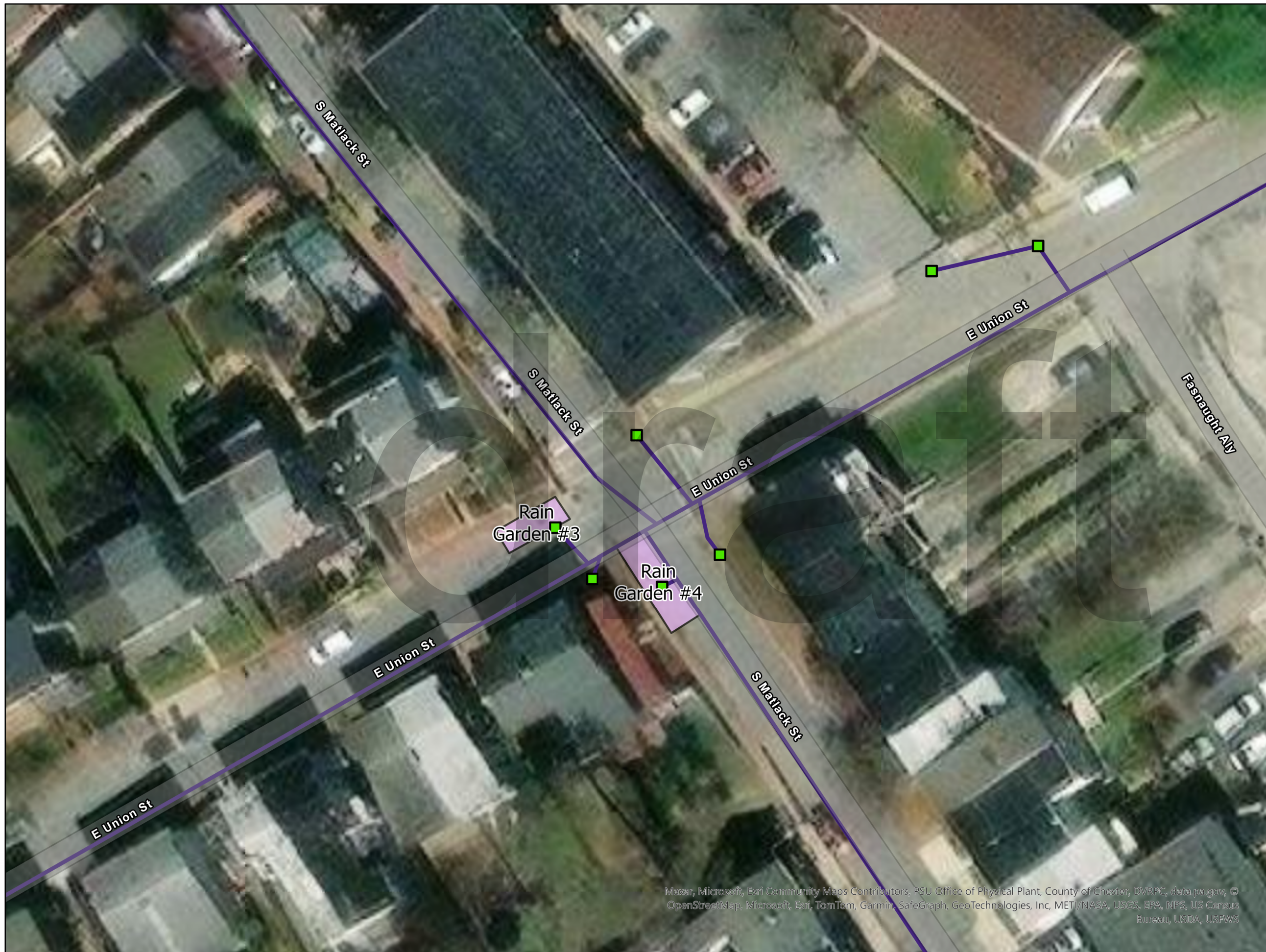
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- Existing Inlet
- Proposed Pipe
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- Existing Storm Basins

**Proposed BMPs**

**Type**

- Bio Retention Basin
- Bump-Out Rain Garden
- Basin Retrofit










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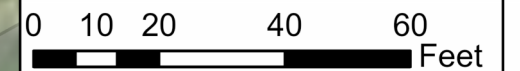
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**Legend**

-  Outlet
-  Manhole
-  Existing Storm
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-  Existing Storm Pipes
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**Proposed BMPs**

- Type
-  Bio Retention Basin
  -  Bump-Out Rain Garden









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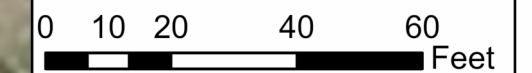
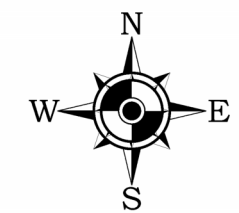
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-  Basin Retrofit










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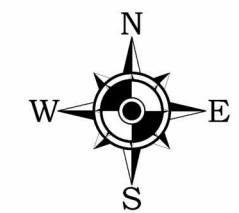
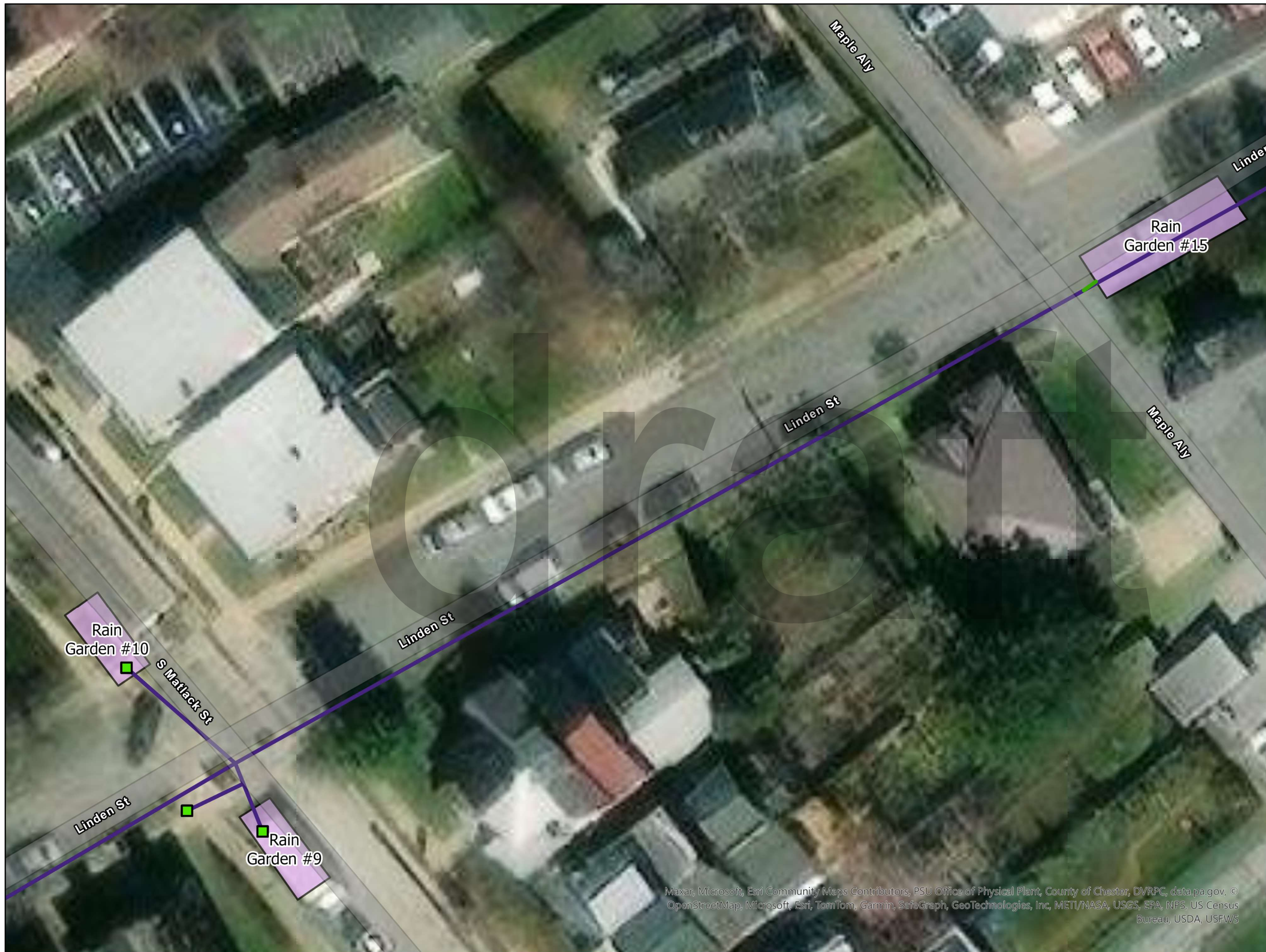
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
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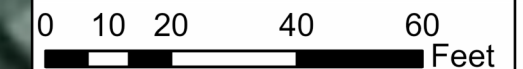
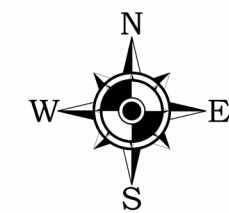
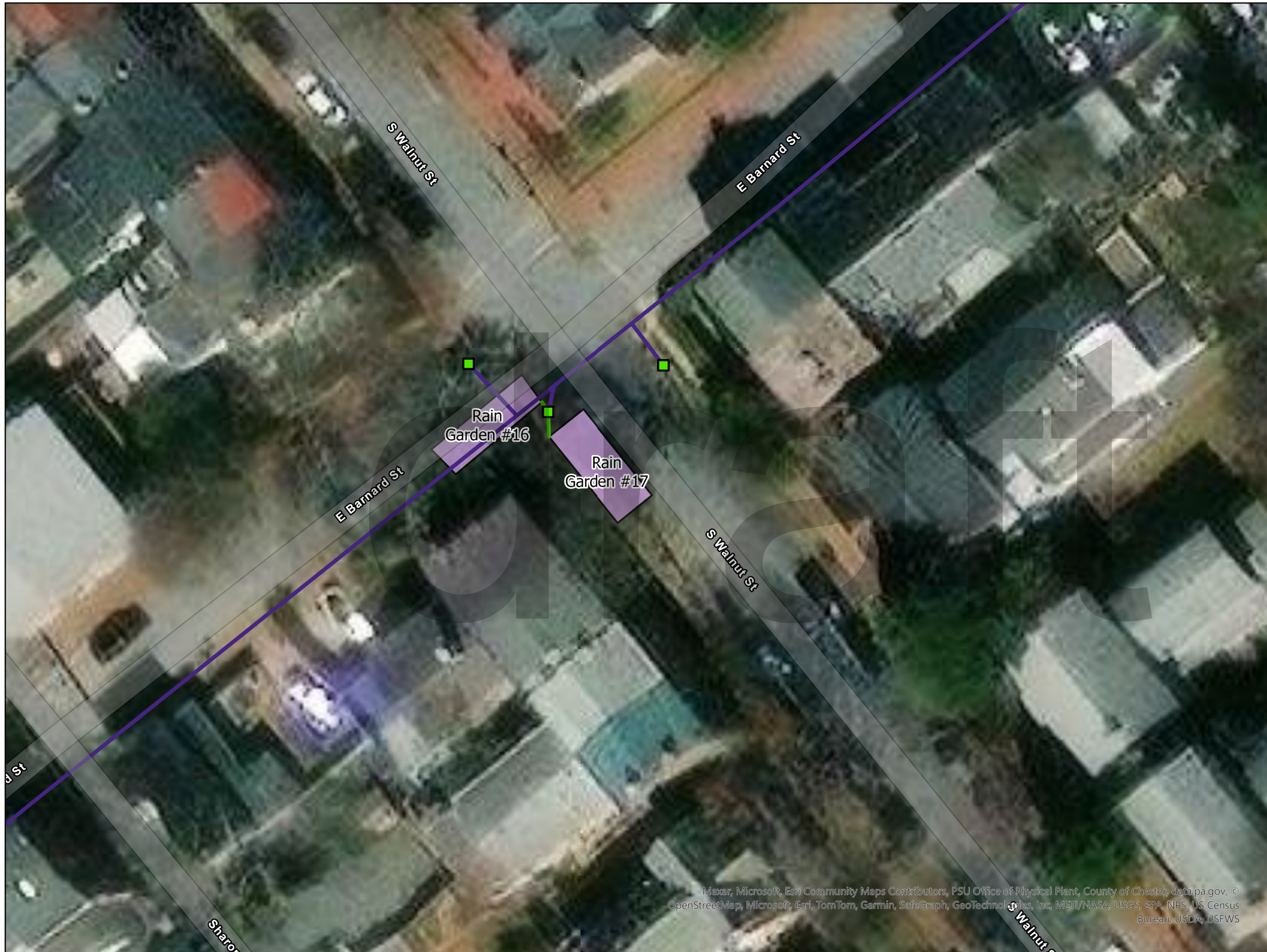
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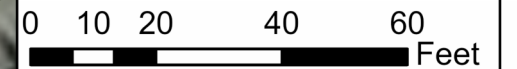
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
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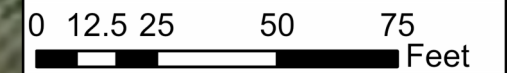
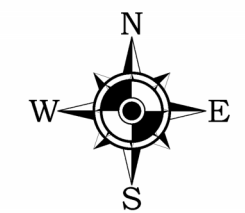
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  -  Bump-Out Rain Garden
  -  Basin Retrofit









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**WEST CHESTER**  
**CHESTER COUNTY**

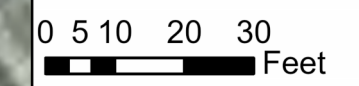
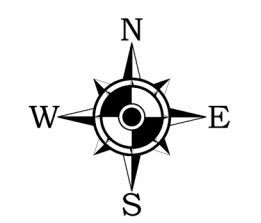
DECEMBER, 2023

**Legend**

-  Existing Outlet
-  Existing Manhole
-  Existing Inlet
-  Proposed Pipe
-  Existing Storm Pipe
-  Channel

**Proposed BMPs**

- Type
-  Bio Retention Basin
  -  Bump-Out Rain Garden
  -  Basin Retrofit
  -  Bioswale



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**REMINGTON & VERNICK ENGINEERS**  
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 (856) 795-9595, FAX (856) 795-1882, WWW.RVE.COM  
 Certificate of Authorization: 24 GA 28003300  
 -ENGINEERING EXCELLENCE-



**PROPOSED BMP'S FOR WEST  
CHESTER TMDL AND PRP PLANS**  
**WEST CHESTER**  
**CHESTER COUNTY**




May, 2024

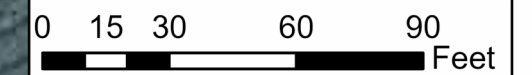
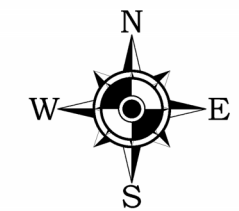
**Legend**

-  Outlet
-  Manhole
-  Existing Storm
-  Proposed Pipes
-  Existing Storm Pipes
-  Existing Storm Basins

**Proposed BMPs**

Type

-  Bio Retention Basin
-  Bump-Out Rain Garden
-  Basin Retrofit









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**PROPOSED BMP'S FOR WEST CHESTER TMDL AND PRP PLANS**  
**WEST CHESTER**  
**CHESTER COUNTY**




May, 2024

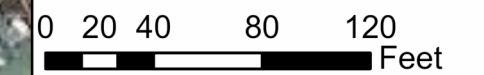
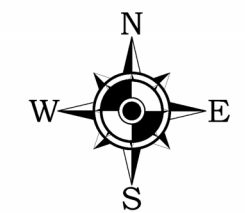
**Legend**

-  Outlet
-  Manhole
-  Existing Storm
-  Proposed Pipes
-  Existing Storm Pipes
-  Existing Storm Basins

**Proposed BMPs**

**Type**

-  Bio Retention Basin
-  Bump-Out Rain Garden
-  Basin Retrofit



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**PROPOSED BMP'S FOR WEST CHESTER TMDL AND PRP PLANS**  
**WEST CHESTER**  
**CHESTER COUNTY**

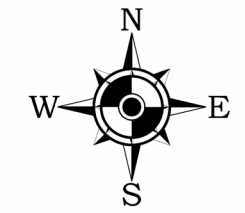
DECEMBER, 2023

**Legend**

- Existing Inlet
- Proposed Pipe
- Existing Storm Pipe
- Existing Storm Basins

**Proposed BMPs**

- Type
- Bio Retention Basin
  - Bump-Out Rain Garden
  - Basin Retrofit



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**PROPOSED BMP'S FOR WEST CHESTER TMDL AND PRP PLANS**  
**WEST CHESTER**  
**CHESTER COUNTY**

DECEMBER, 2023

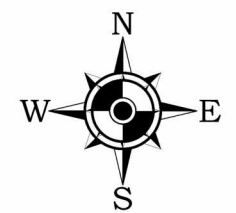
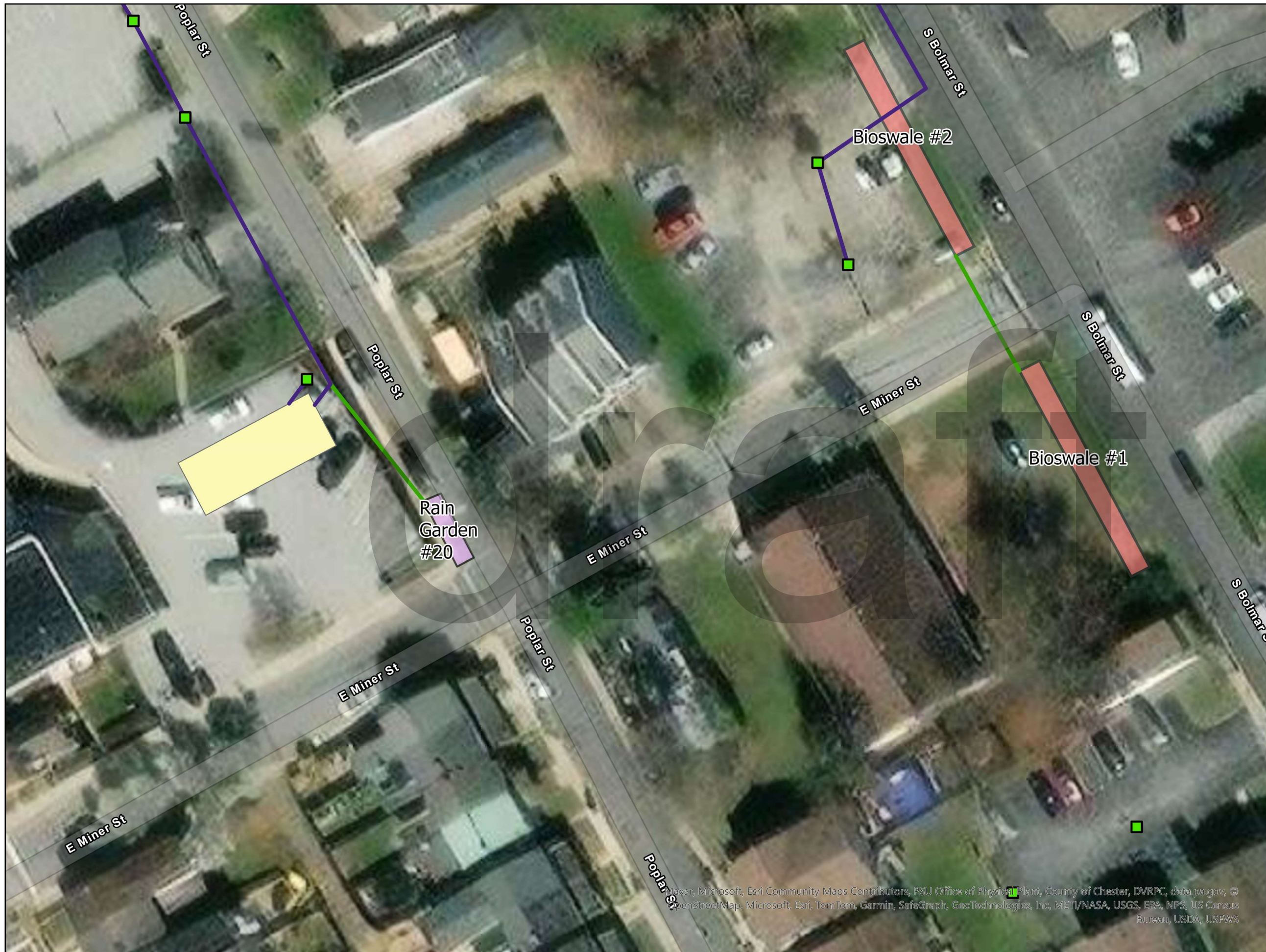
**Legend**

- Existing Inlet
- Proposed Pipe
- Existing Storm Pipe
- Existing Storm Basins

**Proposed BMPs**

**Type**

- Bio Retention Basin
- Bump-Out Rain Garden
- Basin Retrofit
- Bioswale



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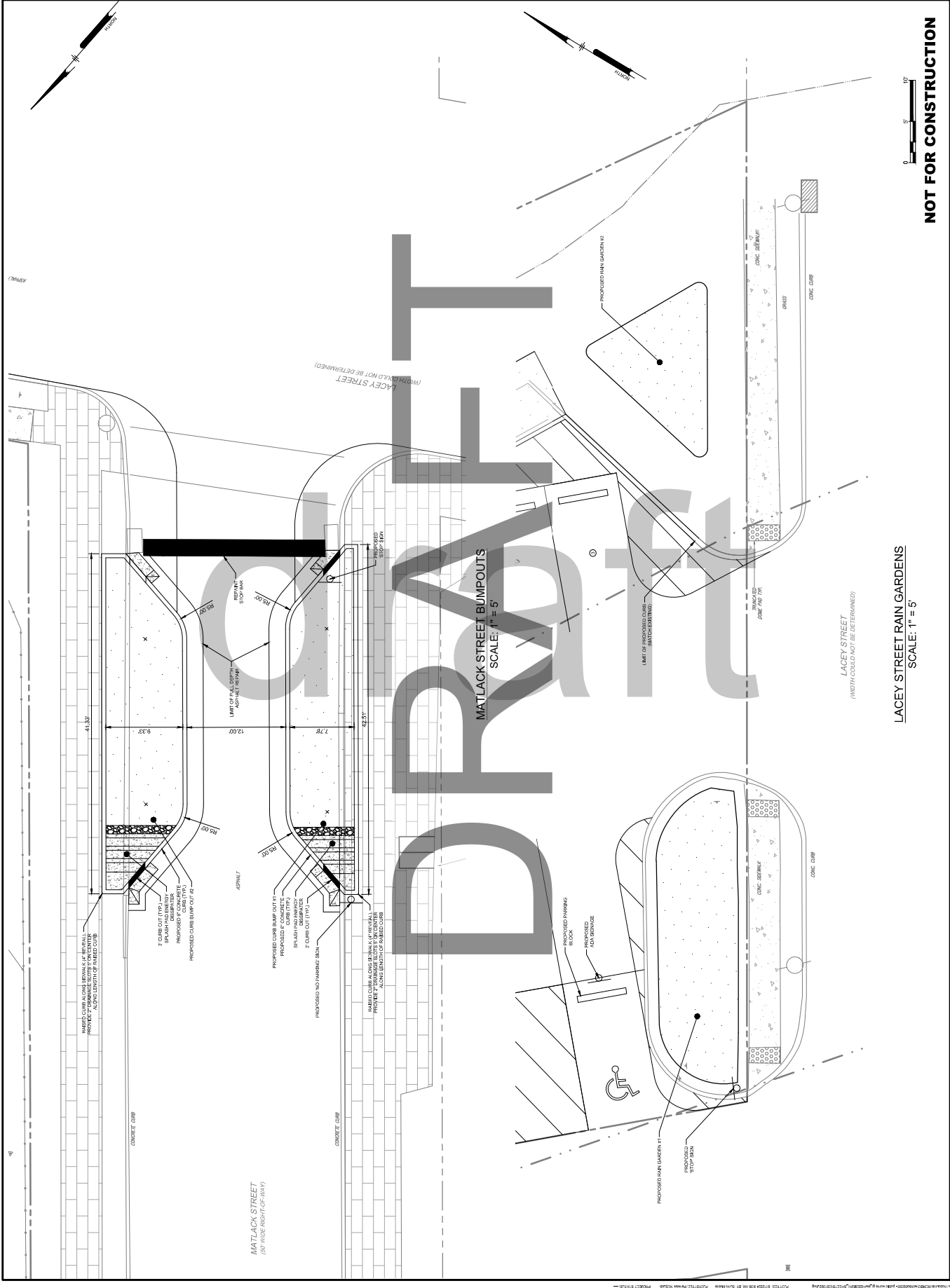
ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR  
 AND OWNER MUST BE NOTIFIED OF ANY  
 DISCREPANCIES BEFORE PROCEEDING WITH WORK

GOOSE CREEK GREEN STORMWATER  
 SITE PLAN  
 205 LACEY STREET  
 WEST CHESTER, PA 19382  
 401 EAST GAY STREET  
 WEST CHESTER, PA 19380

DATE	NO.	REVISIONS	BY

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PRODUCT: WCHB000030  
 DATE: 2024-06-07  
 DRAWING SCALE: 1" = 5'  
 SHEET NO.: ACS  
 PROJECT: CRP

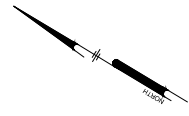
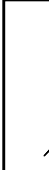


**NOT FOR CONSTRUCTION**

LACEY STREET RAIN GARDENS  
 SCALE: 1" = 5'

LACEY STREET  
 (WIDTH COULD NOT BE DETERMINED)

MATLACK STREET BUMPOUTS  
 SCALE: 1" = 5'



**NOT FOR CONSTRUCTION**

**CS1003**  
SHEET 6 OF 21

DATE: 2024-06-27  
DRAWING SCALE: 1" = 3'  
DESIGNER: JACS  
CHECKER: CRP

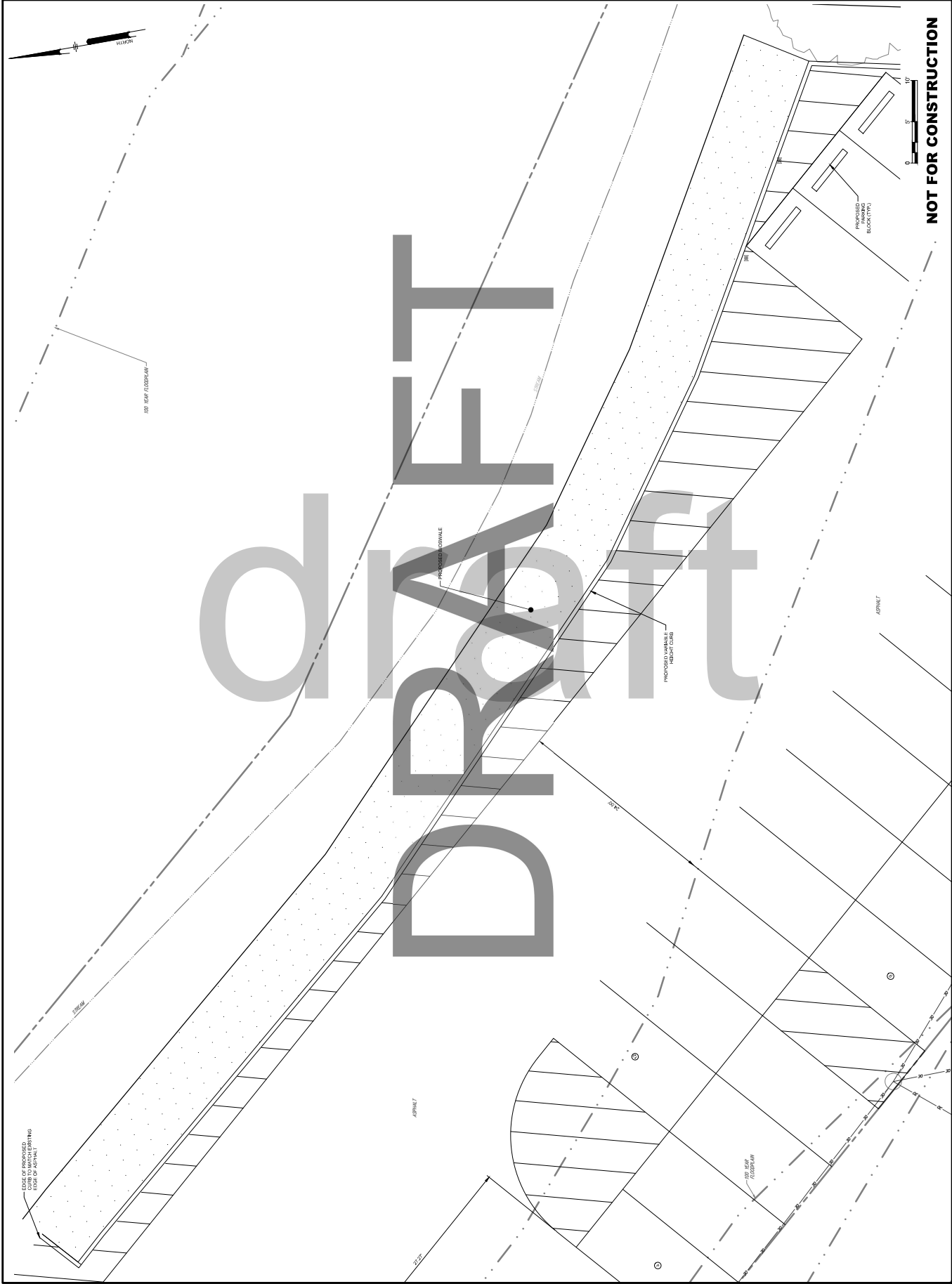
PROJECT: WCHB000030  
PRODUCT: WEST CHESTER BOROUGH  
401 EAST GAY STREET  
WEST CHESTER, PA 19380

DATE	NO.	REVISIONS

**GOOSE CREEK GREEN STORMWATER**  
**SITE PLAN**  
205 LACE STREET  
WEST CHESTER, PA 19382

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR  
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DISCREPANCIES BEFORE PROCEEDING WITH WORK

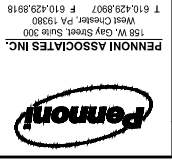
**Pennoni**  
PENNONI ASSOCIATES, INC.  
158 W. Gay Street, Suite 200  
West Chester, PA 19380  
T 610.429.8907 F 610.429.8918











PENNONI ASSOCIATES, INC.  
 158 W. GAY STREET, SUITE 300  
 WEST CHESTER, PA 19380  
 T 610.429.8907 F 610.429.8918

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 DISCREPANCIES BEFORE PROCEEDING WITH WORK

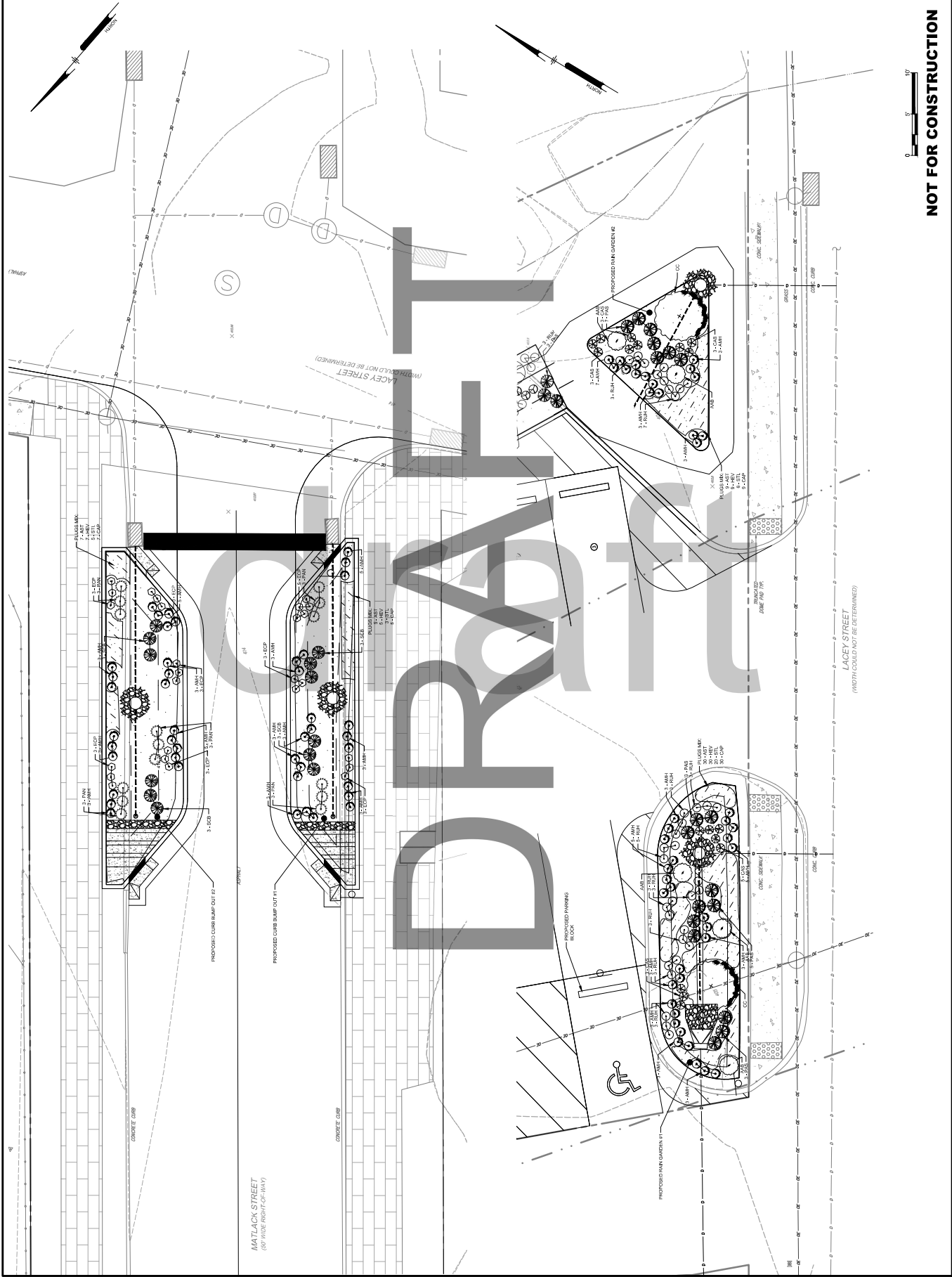
GOOSE CREEK GREEN STORMWATER  
 LANDSCAPING PLAN  
 205 LACEY STREET, PA 19382  
 WEST CHESTER BOROUGH  
 401 EAST GAY STREET  
 WEST CHESTER, PA 19380

DATE	NO.	REVISIONS

DATE: 2024-06-07  
 DRAWING SCALE: 1" = 5'  
 SHEET NO.: 10 OF 21  
 PROJECT: CS2001

PRODUCT: WCHB000030  
 DATE: 2024-06-07  
 DRAWING SCALE: 1" = 5'  
 SHEET NO.: 10 OF 21  
 PROJECT: CS2001

**CS2001**  
 SHEET 10 OF 21



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 158 W. GAY STREET, SUITE 300  
 WEST CHESTER, PA 19380  
 T 610.429.8907 F 610.429.8918

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GOOSE CREEK GREEN STORMWATER SECTION VIEWS

205 LACEY STREET  
 WEST CHESTER, PA 19382

401 EAST GAY STREET  
 WEST CHESTER, PA 19380

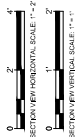
NO.	REVISIONS	DATE

DATE: 2024-06-07  
 DRAWING NO.: WCHB000030  
 PROJECT: WEST CHESTER GREEN STORMWATER  
 SHEET: 13 OF 21

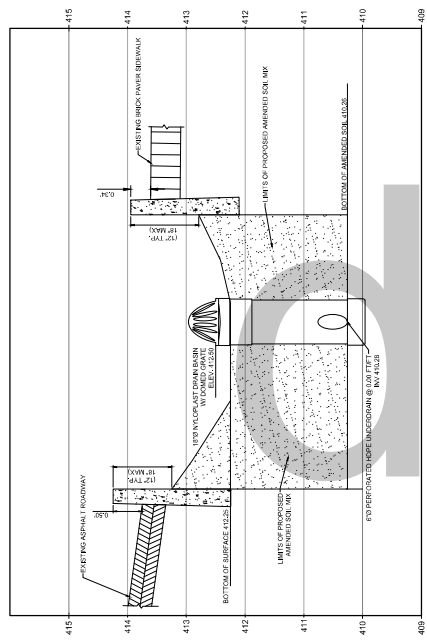
SCALE: 1" = 2' (H) | 1" = 1' (V)  
 DRAWN BY: ACS  
 CHECKED BY: GRP

CS4001

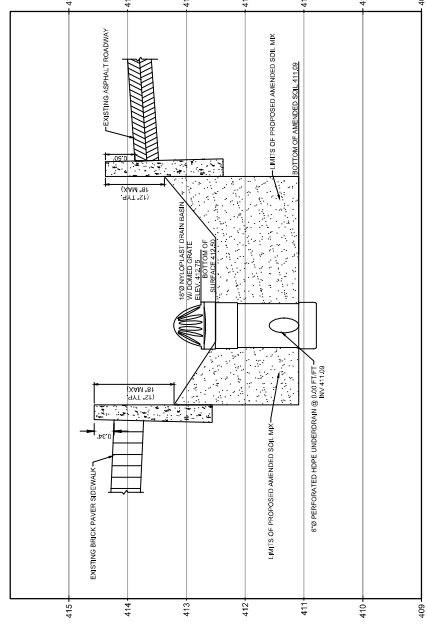
SHEET 13 OF 21



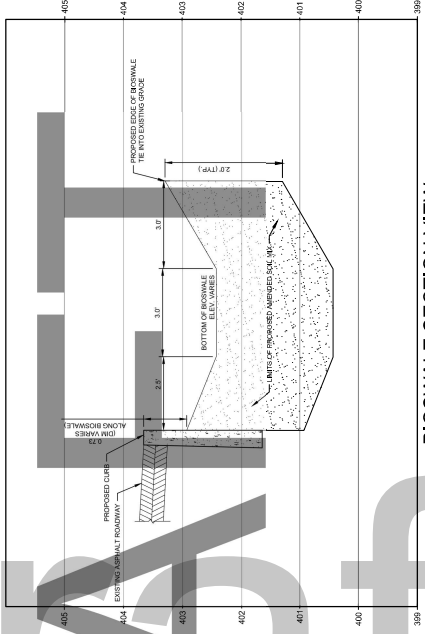
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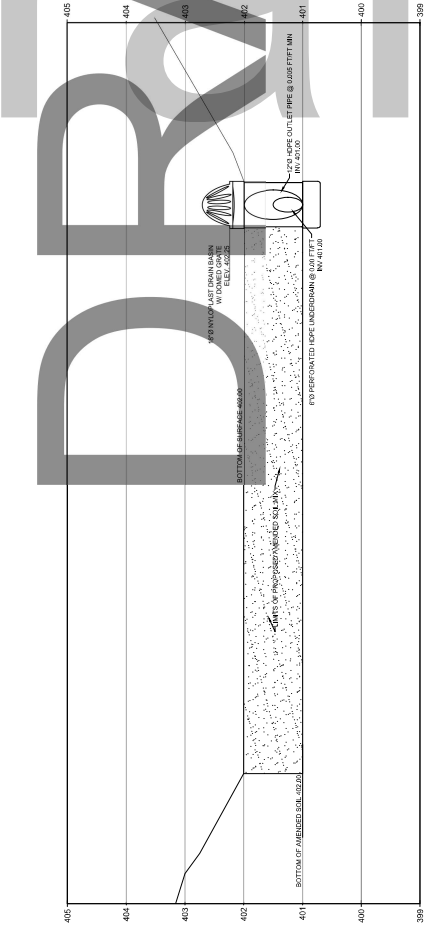
CURB BUMP OUT #2 SECTION VIEW



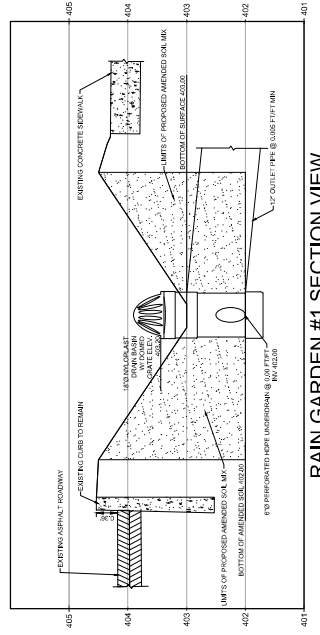
CURB BUMP OUT #1 SECTION VIEW



BIOSWALE SECTION VIEW



RAIN GARDEN #2 SECTION VIEW



RAIN GARDEN #1 SECTION VIEW

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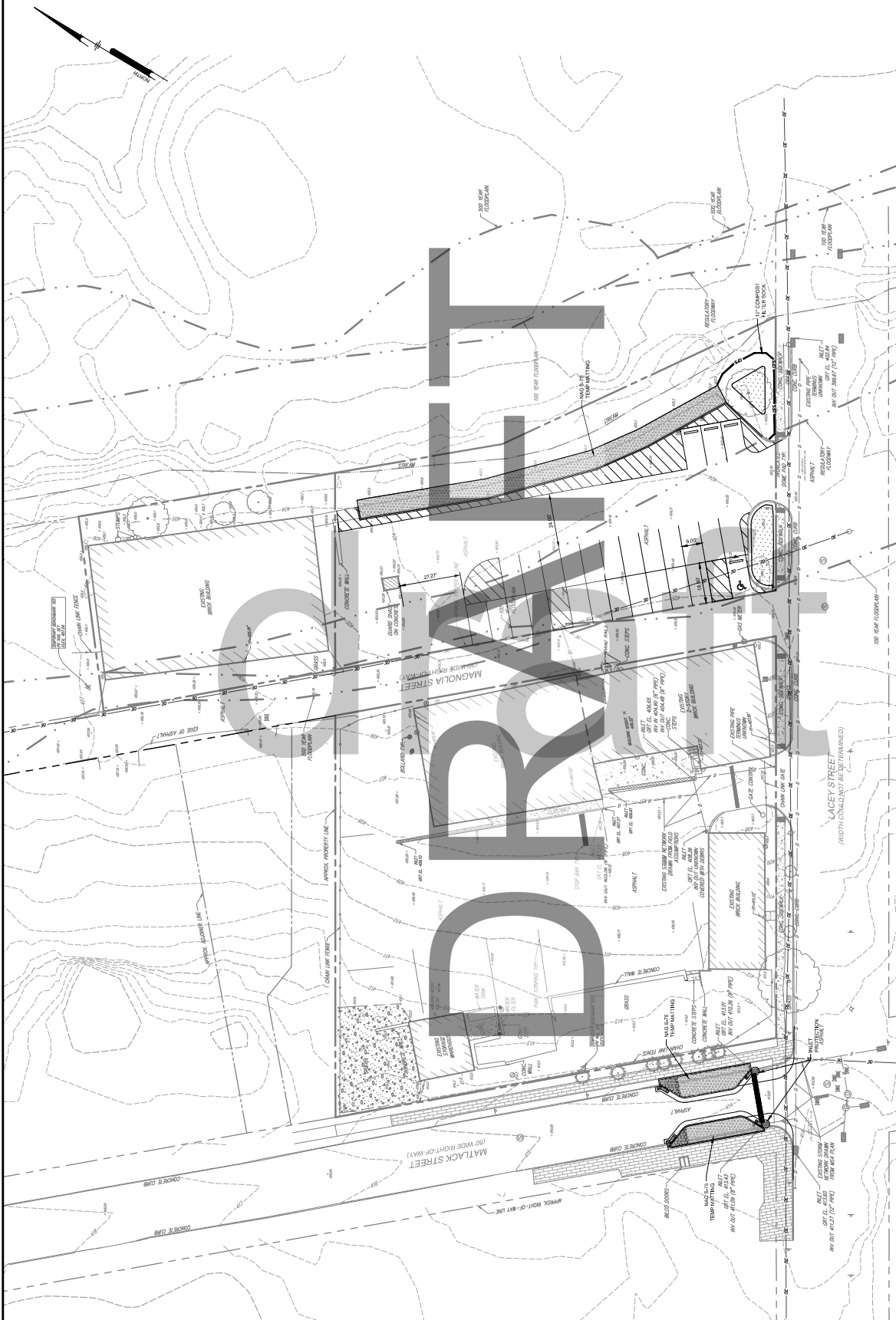
**NOT FOR CONSTRUCTION**

SHEET 19 OF 21

**EROSION AND SEDIMENT CONTROL LEGEND**

- PROPOSED COMPOST FILTER SOCK
- PROPOSED SLOPE MATTING
- PROPOSED TEMPORARY INLET PROTECTION

DATE: 2024-06-27  
 PROJECT: WCHB000030  
 DRAWING SCALE: 1" = 20'  
 SHEET: 19 OF 21  
 PROJECT: WCHB000030  
 SHEET: 19 OF 21

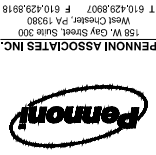


**Pennoni**  
 PENNONI ASSOCIATES, INC.  
 1501 W. GAY STREET, SUITE 300  
 WEST CHESTER, PA 19380  
 T 610.429.8907 F 610.429.8918

GOOSE CREEK GREEN STORMWATER  
 WEST CHESTER BOROUGH  
 205 LACEY STREET  
 WEST CHESTER, PA 19382  
 401 EAST GAY STREET  
 WEST CHESTER, PA 19380

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR  
 AND OWNER MUST BE NOTIFIED OF ANY  
 DISCREPANCIES BEFORE PROCEEDING WITH WORK.





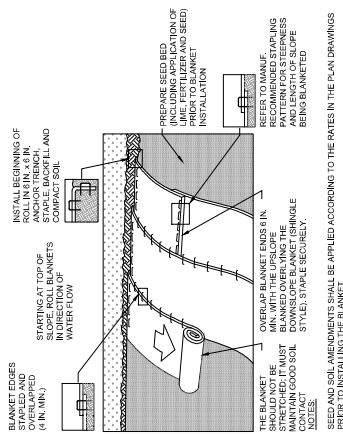
PENNONI ASSOCIATES, INC.  
 WEST CHESTER, PA 19380  
 1 610.429.8907 F 610.429.8918

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED BY CONTRACTOR DISCREPANCIES BEFORE PROCEEDING WITH WORK.

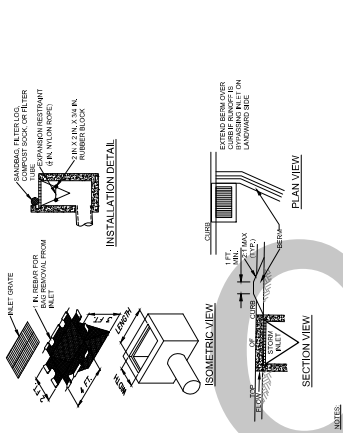
GOOSE CREEK GREEN STORMWATER  
 EROSION & SEDIMENTATION CONTROL  
 DETAILS  
 WEST CHESTER, PA 19382  
 205 LACE STREET  
 401 EAST GAY STREET  
 WEST CHESTER, PA 19380

DATE	NO.	REVISIONS

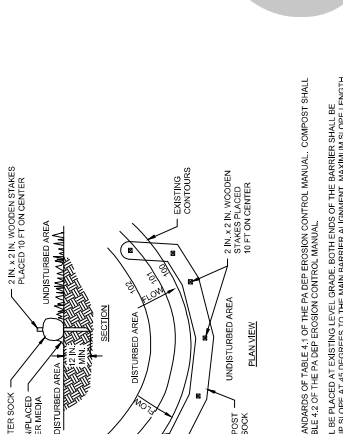
DATE: 2024-06-07  
 PRODUCT: WCHB000030  
 DRAWING SCALE: N.T.S.  
 SHEET NO.: CS8502  
 SHEET OF: 21



**EROSION CONTROL BLANKET INSTALLATION**  
 THIS STANDARD CONSTRUCTION DETAIL #11-1



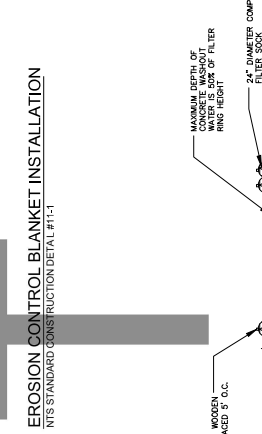
**COMPOST FILTER SOCK**  
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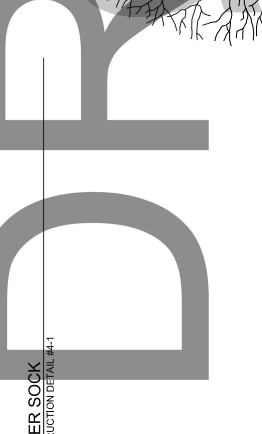
**TREE PROTECTION FENCE**  
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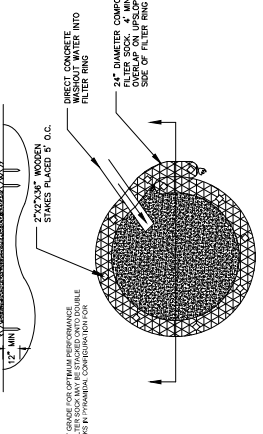
**EROSION CONTROL BLANKET INSTALLATION**  
 THIS STANDARD CONSTRUCTION DETAIL #11-1



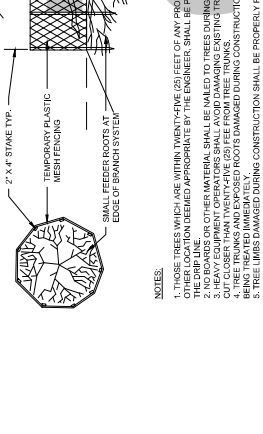
**CONCRETE WASHOUT FACILITIES DETAIL**  
 THIS STANDARD CONSTRUCTION DETAIL #11-1



**EROSION CONTROL BLANKET INSTALLATION**  
 THIS STANDARD CONSTRUCTION DETAIL #11-1



**CONCRETE WASHOUT FACILITIES DETAIL**  
 THIS STANDARD CONSTRUCTION DETAIL #11-1



**EROSION CONTROL BLANKET INSTALLATION**  
 THIS STANDARD CONSTRUCTION DETAIL #11-1

**NOT FOR CONSTRUCTION**