

MS4 and POLLUTANT REDUCTION PLAN MAP

MIDDLESEX TOWNSHIP

January 2023

ACRONYMS

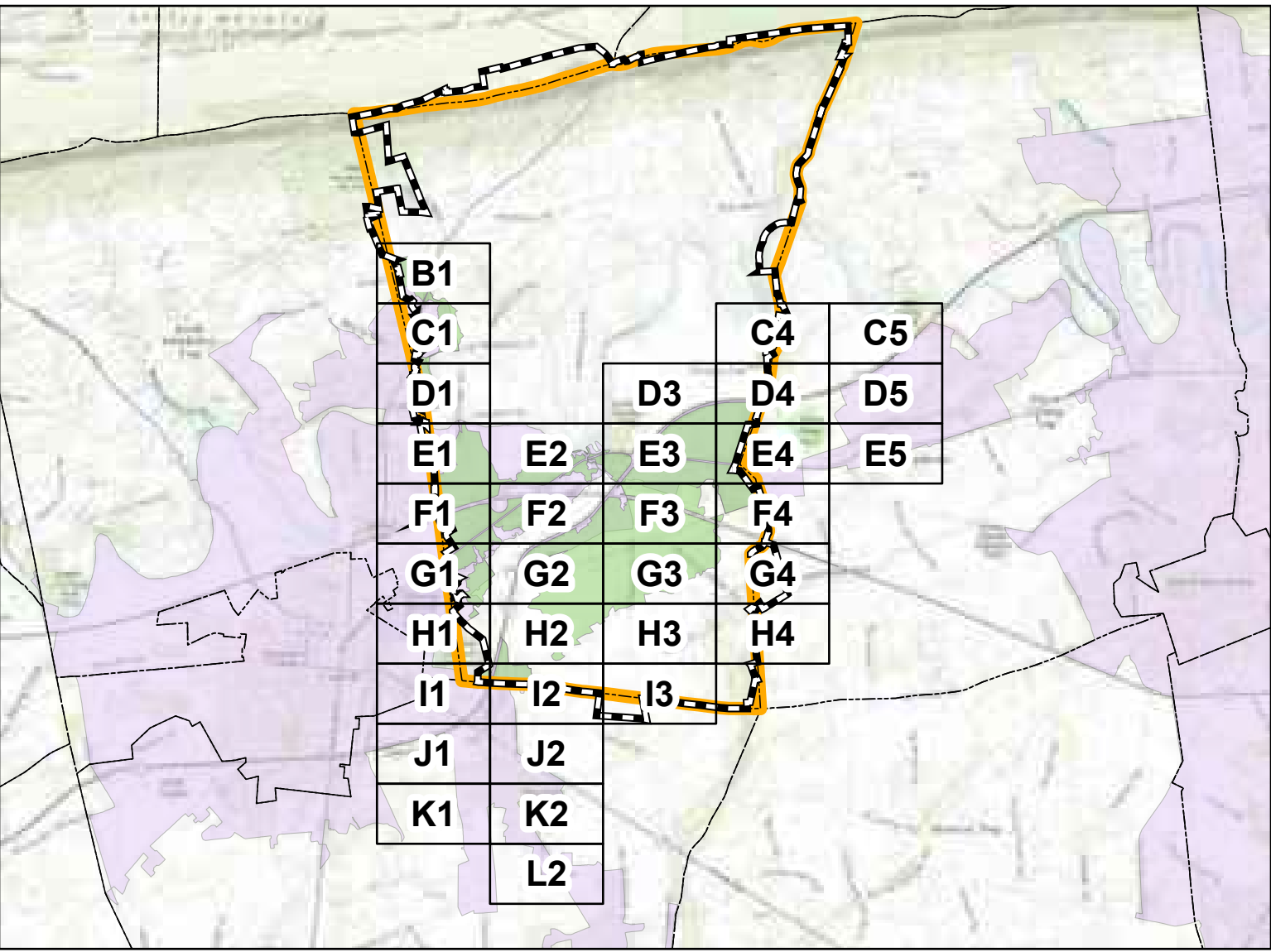
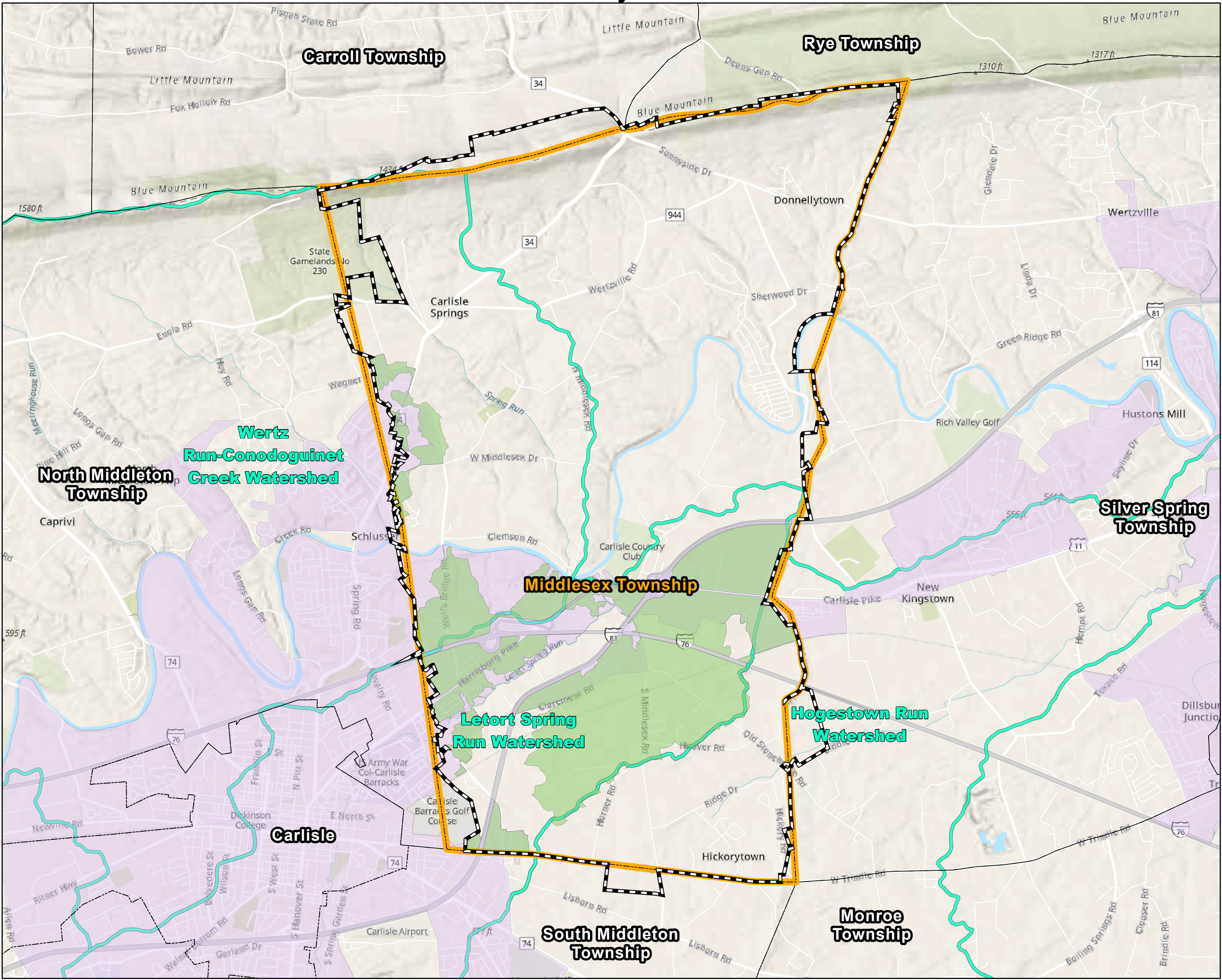
BMP	Best Management Practice
CWA	Clean Water Act
GIS	Geographic Information System
HUC	Hydrologic Unit Code
MS4	Municipal Separate Storm Sewer System
PA BMP MANUAL	Pennsylvania Stormwater Best Management Practices Manual (PA DEP, 2006)
PA DCNR	Pennsylvania Department of Conservation and Natural Resources
PA DEP	Pennsylvania Department of Environmental Protection
PENNDOT	Pennsylvania Department of Transportation
TMDL	Total Maximum Daily Load
UA	Urbanized Area
U.S. EPA	U.S. Environmental Protection Agency

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LEGEND

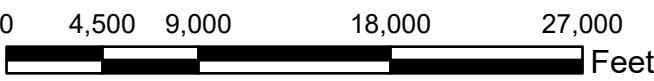
	Middlesex Governance Boundary		Regulated MS4
	Middlesex Township Boundary		Urbanized Area
	Municipal Boundary		MS4 Receiving HUC 12 Watersheds



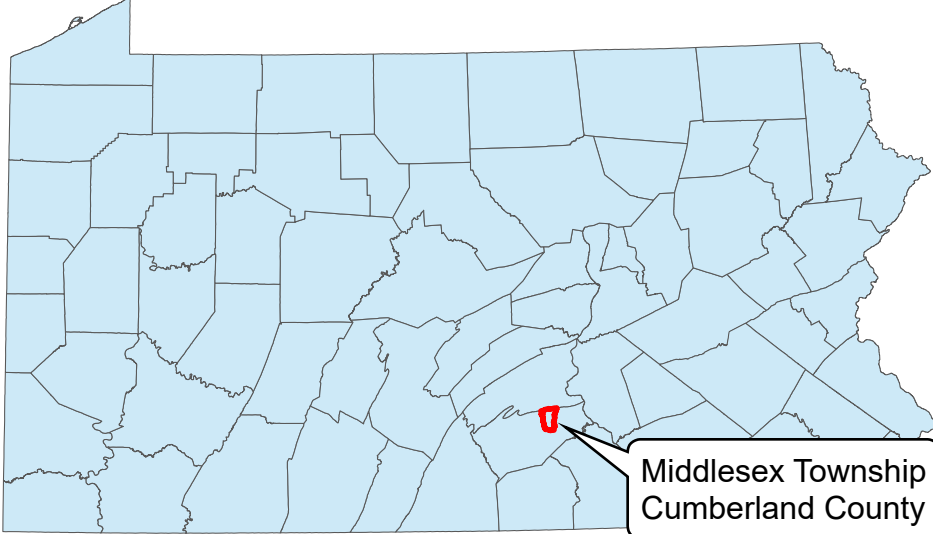
LOCATION MAP



INDEX MAP



LOCATION WITHIN STATE



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Harrisburg PA, 17111
(717) 232-0593



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MS4 MAP COVER SHEET

Coordinate System: NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet

Project No. JN217052	DWG. No. G1
Plot Date: 1/19/2023	Sheet No. 1 of 35

1' CONTOURS: LINES DEPICTING THE CONNECTION OF POINTS OF EQUAL ELEVATION ON A 1-FOOT VERTICAL ELEVATION INTERVAL

10' DEPRESSION CONTOURS: LINES DEPICTING THE CONNECTION OF POINTS OF EQUAL ELEVATION ON A 10-FOOT VERTICAL ELEVATION INTERVAL THAT ENCIRCLE A LOW POINT OF THE GROUND SURFACE

2' CONTOURS: LINES DEPICTING THE CONNECTION OF POINTS OF EQUAL ELEVATION ON A 2-FOOT VERTICAL ELEVATION INTERVAL

2' CONTOURS: LINES DEPICTING THE CONNECTION OF POINTS OF EQUAL ELEVATION ON A 2-FOOT VERTICAL ELEVATION INTERVAL THAT ENCIRCLE A LOW POINT OF THE GROUND SURFACE

2010 URBANIZED AREA: (UA) LAND AREA COMPRISING ONE OR MORE PLACES (CENTRAL PLACES) AND THE ADJACENT DENSELY SETTLED AREA (URBAN FRINGE) THAT TOGETHER HAVE A RESIDENTIAL POPULATION OF AT LEAST 50,000 AND AN OVERALL POPULATION DENSITY OF AT LEAST 1,000 PEOPLE PER SQUARE MILE, AS DEFINED BY THE US BUREAU OF THE CENSUS AND AS DETERMINED BY THE LAST AVAILABLE DECENNIAL (2010) CENSUS. THE UA OUTLINES THE EXTENT OF AUTOMATICALLY REGULATED AREAS

2010 NON-URBANIZED AREA: LAND AREA OUTSIDE THE UA (RURAL LAND AND URBAN CLUSTERS)

BMP EXISTING: EXISTING BEST MANAGEMENT PRACTICES (WITH REGARD TO MAP) ARE STRUCTURAL FACILITIES, USED TO MINIMIZE ACCELERATED EROSION AND SEDIMENTATION AND MANAGE STORMWATER TO PROTECT, MAINTAIN, RECLAIM AND RESTORE THE QUALITY OF WATERS AND THE EXISTING AND DESIGNATED USES OF WATERS WITHIN THIS COMMONWEALTH BEFORE, DURING AND AFTER EARTH DISTURBANCE ACTIVITIES. BMP'S INCLUDE WET PONDS AND EXTENDED DETENTION OUTLET STRUCTURES; FILTRATION PRACTICES SUCH AS GRASSED SWALES, SAND FILTERS AND FILTER STRIPS; INFILTRATION PRACTICES SUCH AS INFILTRATION BASINS AND INFILTRATION TRENCHES; AND OTHER BMPs AS REFERENCED IN CHAPTER 6 OF THE PENNSYLVANIA STORMWATER BMP MANUAL (363-0300-002)

CONVEYANCE, PIPE: AN UNDERGROUND CONDUIT THAT CONVEYS STORMWATER. ON THE MAP THE PIPE SYMBOL INCLUDES ROUND, ELLIPTICAL, AND BOX SHAPED CONDUITS THAT ARE PART OF THE SEPARATE STORMWATER SEWER SYSTEM

CONVEYANCE, STREAM CULVERT: AN ENCLOSED CONVEYANCE STRUCTURE (PIPE, CONDUIT, TUNNEL, ETC.) WHOSE SOLE PURPOSE IS TO CONVEY A SURFACE WATER (STREAM) THROUGH THE MIDDLESEX TOWNSHIP PROPERTY. (STREAM CULVERTS ARE CONSIDERED PART OF THE SURFACE WATER, NOT PART OF THE MIDDLESEX TOWNSHIP SEPARATE STORMWATER SEWER SYSTEM.)

CONVEYANCE, SURFACE RUNOFF CONVEYANCE (SWALE): AN OPEN-TO-THE-AIR SURFACE FEATURE INCLUDING ROADS, CURBS, GUTTERS, DITCHES, SWALES AND MAN-MADE CHANNELS THAT TRANSPORT STORMWATER RUNOFF

CONVEYANCE, RAIN TRACE: A LINE ILLUSTRATING THE PATH THAT STORM RUNOFF WILL FOLLOW BY GRAVITY CONNECTING THE MIDDLESEX TOWNSHIP MS4 TO AN OUTFALL. PER PA DEP INSTRUCTIONS, SURFACE TOPOGRAPHY WITH ENCLOSED DEPRESSIONS CHARACTERISTICS SUCH AS STORMWATER BASINS, SINKHOLES, AND PONDS WERE IGNORED, AND ASSUMED PATHS FOR RAIN TRACES THAT SPAN SUCH FEATURES HAVE BEEN SHOWN ON THE MAP. (PA DEP 3800-PM-BCW0200A DATED 11/2022, PAGE 5 SURFACE WATER INFORMATION, NOTE 3)

"FOR DISCHARGES TO GROUND SURFACE RATHER THAN DIRECTLY TO SURFACE WATERS, THE LOCATION WHERE THE STORMWATER WOULD LIKELY ENTER A SURFACE WATER AS A RESULT OF A SIGNIFICANT STORM EVENT IS TO BE IDENTIFIED AS THE OUTFALL. ALL STORMWATER DISCHARGES FROM MS4s ARE POINT SOURCES TO SURFACE WATERS UNLESS THE STORMWATER IS INTENTIONALLY DIRECTED TO THE SUBSURFACE UNDER A PERMIT"

DISCHARGE POINT: THE DOWNSTREAM END OF A STORMWATER PIPE OR CULVERT, WHETHER ACCOMPANIED BY A PIPE END TREATMENT SUCH AS AN ENDWALL OR END SECTION OR NOT

FLOW ARROWS: SYMBOLS THAT INDICATE THE DIRECTION OF RUNOFF AS IT MOVES THROUGH THE STORMWATER SYSTEM TOWARD THE OUTFALL

INLET: A STORMWATER STRUCTURE THAT COLLECTS SURFACE RUNOFF THROUGH AN OPENING TO THE SURFACE (OR TO THE FACE OF A CURB) AND DROPS VERTICALLY TO AN UNDERGROUND STORMWATER CONVEYANCE OR FACILITY. ON THE MAP, THE INLET SYMBOL INCLUDES INLETS (WITH NO SUMP) AND CATCH BASINS (WITH A SUMP)

INTAKE: THE UPSTREAM END OF A STORMWATER PIPE OR CULVERT, WHETHER ACCOMPANIED BY A PIPE END TREATMENT SUCH AS A HEADWALL OR END SECTION OR NOT

MANHOLES: A STRUCTURE WITH A COVERED OPENING THAT ALLOWS MAINTENANCE ACCESS TO UNDERGROUND PIPES AND FACILITIES, BUT THAT DOES NOT ACCEPT RUNOFF DIRECTLY FROM THE SURFACE ON THE MAP THE MANHOLE SYMBOL INCLUDES MANHOLES (MAINTENANCE ACCESS) AND JUNCTION BOXES (A STRUCTURE AT THE INTERSECTION OF MULTIPLE UNDERGROUND PIPES THAT DOES NOT ACCEPT RUNOFF DIRECTLY FROM THE SURFACE AND MAY OR MAY NOT PROVIDE MAINTENANCE ACCESS)

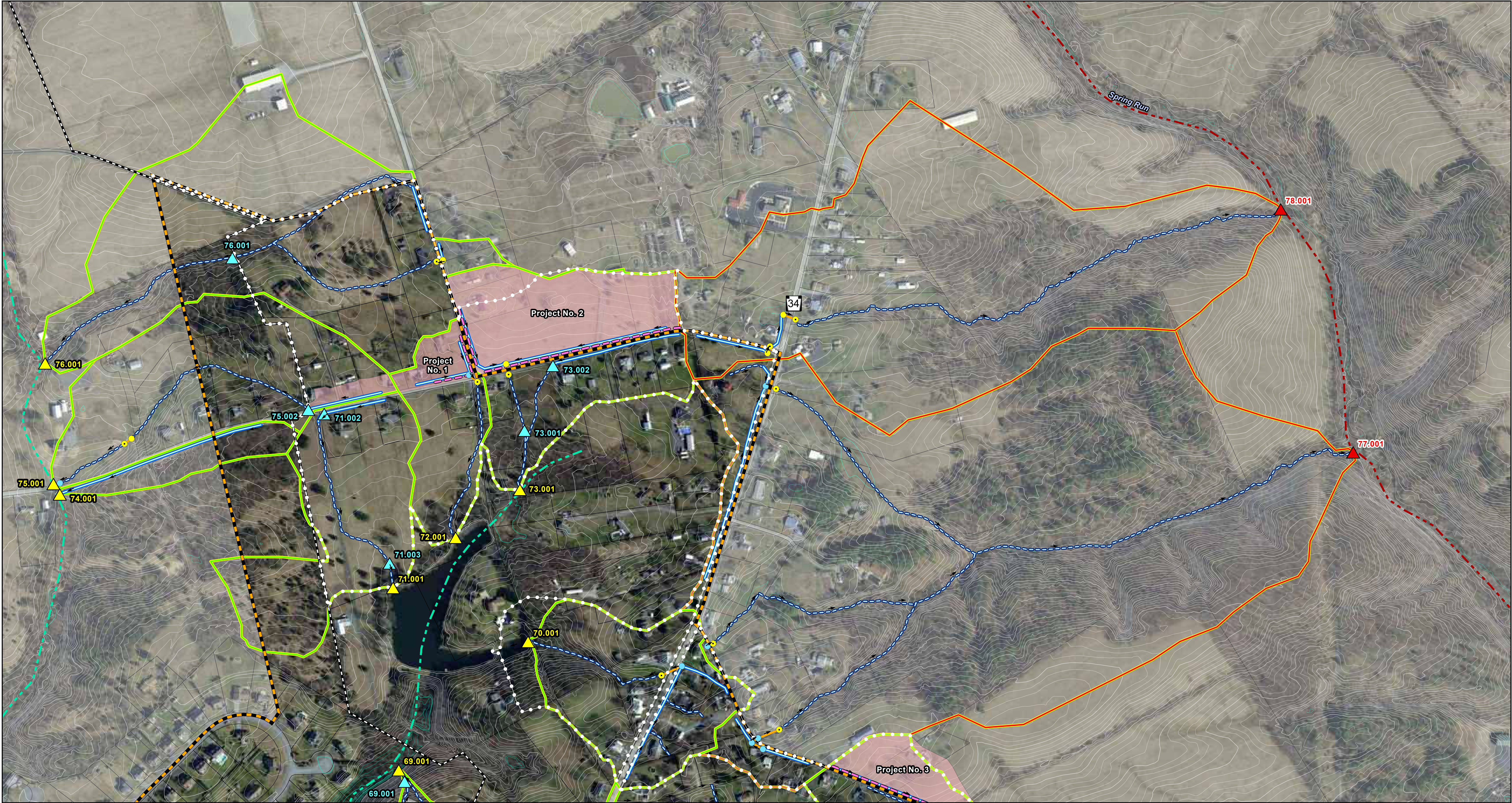
LAKES: LARGE BODY OF WATER SURROUNDED BY LAND

MUNICIPAL BOUNDARY: DELINEATION AROUND CITIES, BOROUGH AND TOWNSHIPS LOCATED WITHIN THE BOUNDARIES OF THE COMMONWEALTH OF PENNSYLVANIA (SOURCE: PENNDOT)

MUNICIPAL GOVERNANCE BOUNDARY: DELINEATION OF LIMIT OF MUNICIPAL MAINTENANCE AND OPERATIONS (SOURCE: CUMBERLAND COUNTY TAX MAPS)



MIDDLESEX
1839
TOWNSHIP

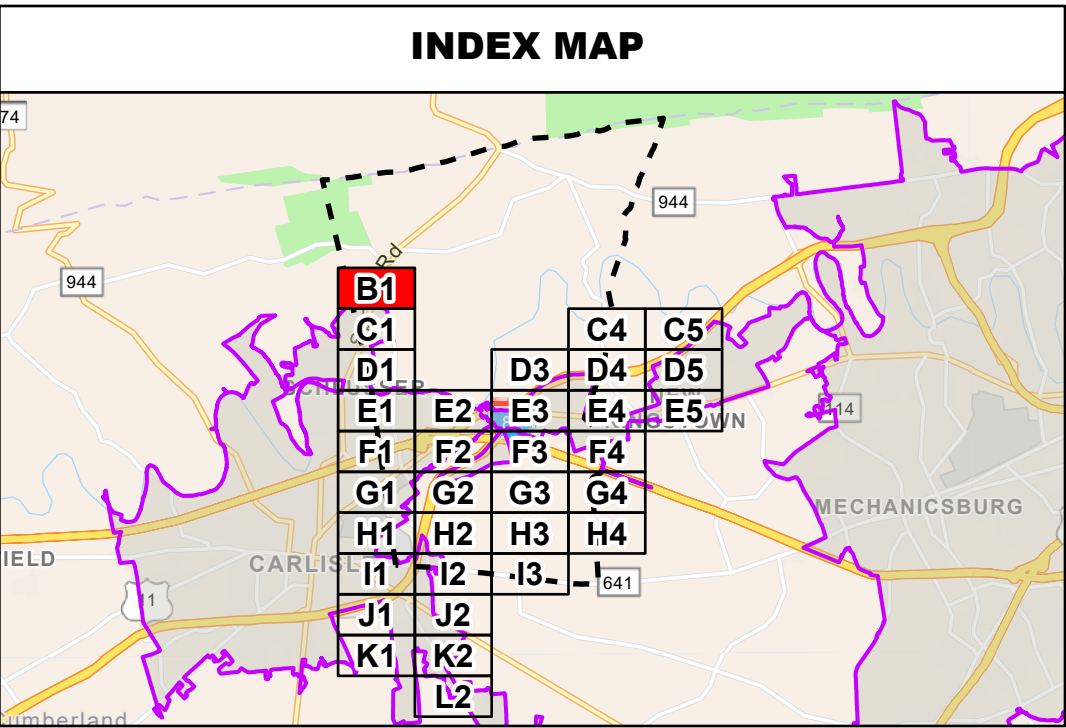




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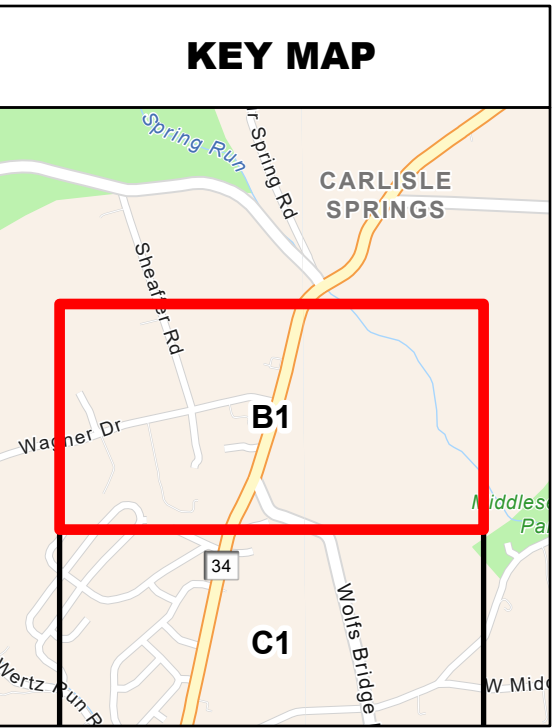
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Urbanized Area:	Harrisburg, PA
HUC Name:	WERTZ RUN-CONODOGUINET CREEK
HUC Code:	20503050403
Date:	1/18/2023
Prepared By:	DTM
Coordinate System:	NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet

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LEGEND

Planning Area/Regulated MS4	Existing BMP	Stream Attaining	Conveyances
Middlesex Governance Boundary	Flow Direction	Stream Non-Attaining	Pipe
2010 Urbanized Area	Structures	PRP Vegetated Swale	Rain Trace
2010 Non-Urbanized Area	Discharge Point	PRP Bioretention/Raingarden	Stream Culvert
Sewershed Attaining	Inlet	PRP Drainage Area	Swale
Sewershed Non-Attaining	Intake	PRP Stream Restoration	Elevation
Parcels	Manhole		10' Contours
	Observation Point		10' Depression Contour
	Outfall, Attaining		2' Contours
	Outfall, Non-Attaining		2' Depression Contour

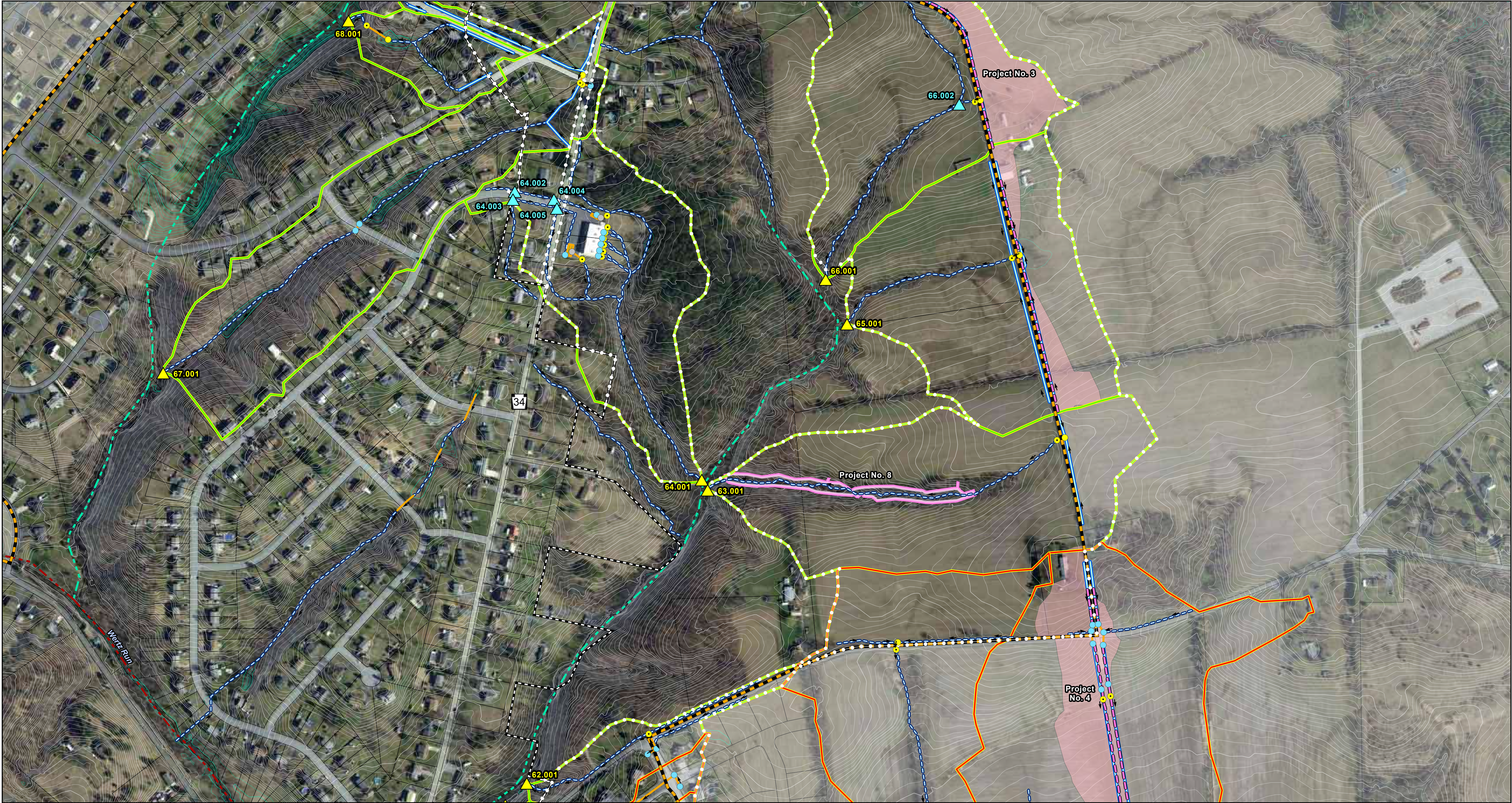


MS4 MAP #B1
Chesapeake Bay Basin
Middlesex Township
2010 Urbanized Area

Scale: 1" = 200'

Project No. JN217052

Plan Set # 1 of 2





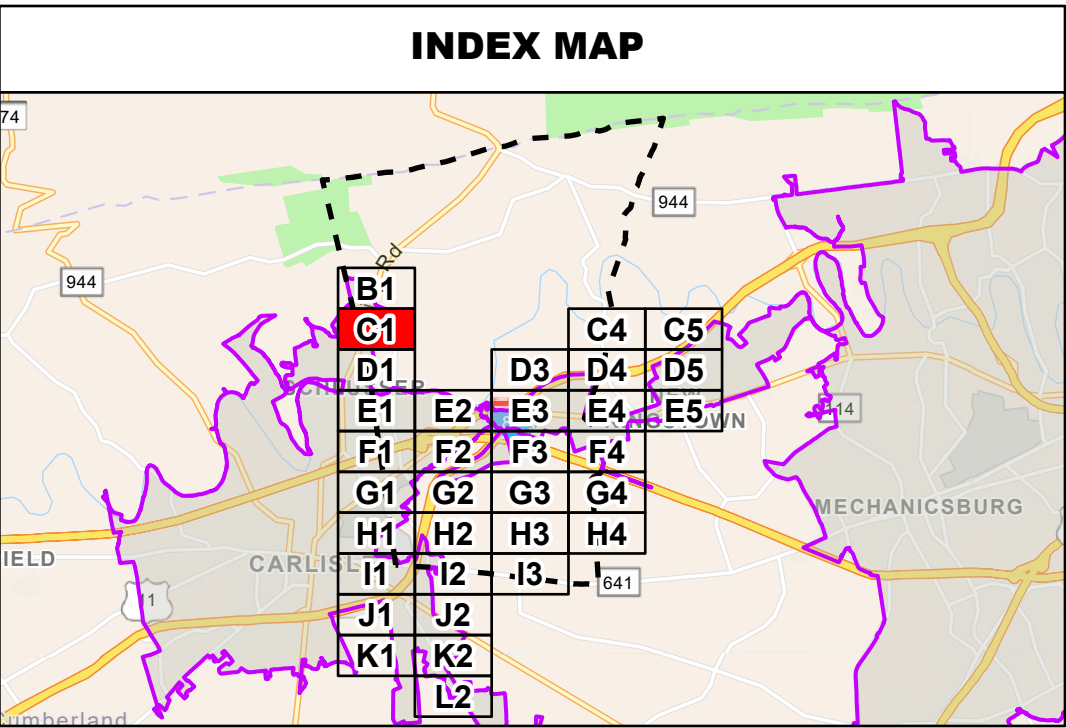
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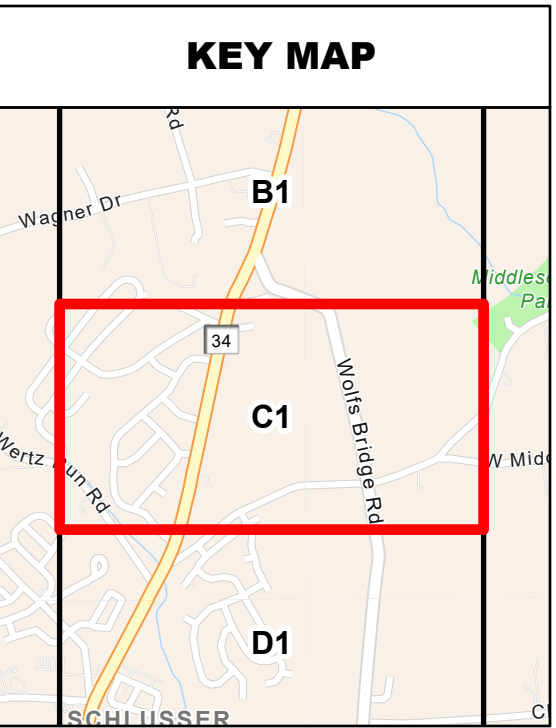
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Urbanized Area:	Harrisburg, PA
HUC Name:	WERTZ RUN-CONODOGUINET CREEK
HUC Code:	20503050403
Date:	1/18/2023
Prepared By:	DTM
Coordinate System:	NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet

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LEGEND

Planning Area/Regulated MS4	Existing BMP	Stream Attaining	Pipe
Middlesex Governance Boundary	Flow Direction	Stream Non-Attaining	Rain Trace
2010 Urbanized Area	Discharge Point	PRP Vegetated Swale	Stream Culvert
2010 Non-Urbanized Area	Inlet	PRP Bioretention/Raingarden	Swale
Sewershed Attaining	Intake	PRP Drainage Area	10' Contours
Sewershed Non-Attaining	Manhole	PRP Stream Restoration	10' Depression Contour
Parcels	Observation Point		2' Contours
	Outfall, Attaining		2' Depression Contour
	Outfall, Non-Attaining		

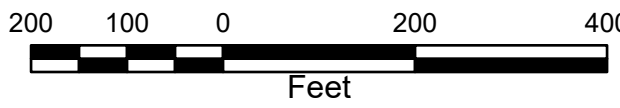


MS4 MAP #C1

Chesapeake Bay Basin

Middlesex Township

2010 Urbanized Area



Scale: 1" = 200'

Project No. JN217052

Plan Set # 1 of 2





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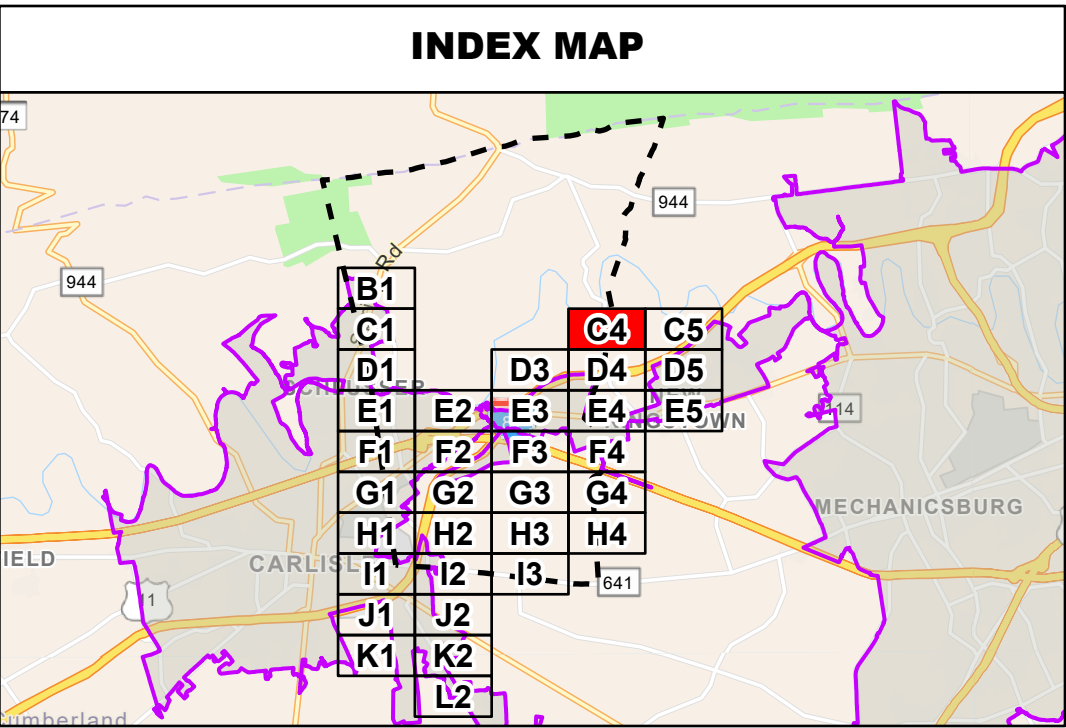
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LEGEND

Planning Area/Regulated MS4

Middlesex Governance Boundary

2010 Urbanized Area

2010 Non-Urbanized Area

Sewershed Attaining

Sewershed Non-Attaining

Parcels

Existing BMP

Flow Direction

Discharge Point

Inlet

Intake

Manhole

Observation Point

Outfall, Attaining

Outfall, Non-Attaining

Stream Attaining

Stream Non-Attaining

PRP Vegetated Swale

PRP Bioretention/Raingarden

PRP Drainage Area

PRP Stream Restoration

Pipe

Rain Trace

Stream Culvert

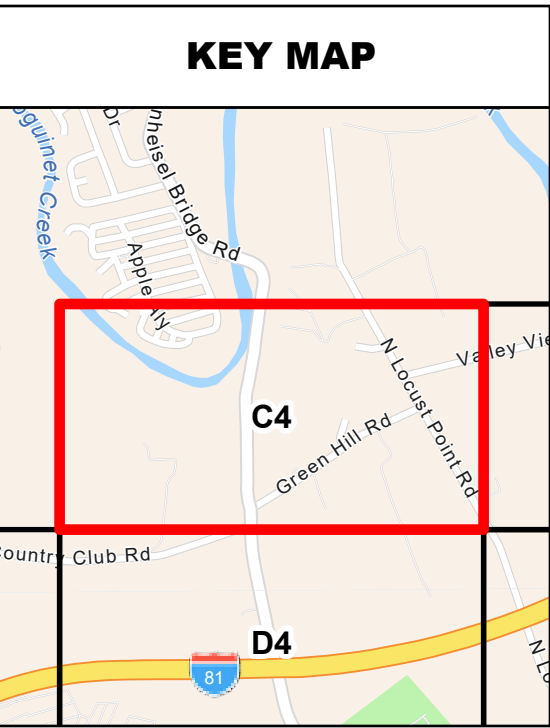
Swale

10' Contours

10' Depression Contour

2' Contours

2' Depression Contour



MS4 MAP #C4
Chesapeake Bay Basin
Middlesex Township
2010 Urbanized Area

200 100 0 200 400

Feet



Scale: 1" = 200'

Project No. JN217052

Plan Set # 1 of 2

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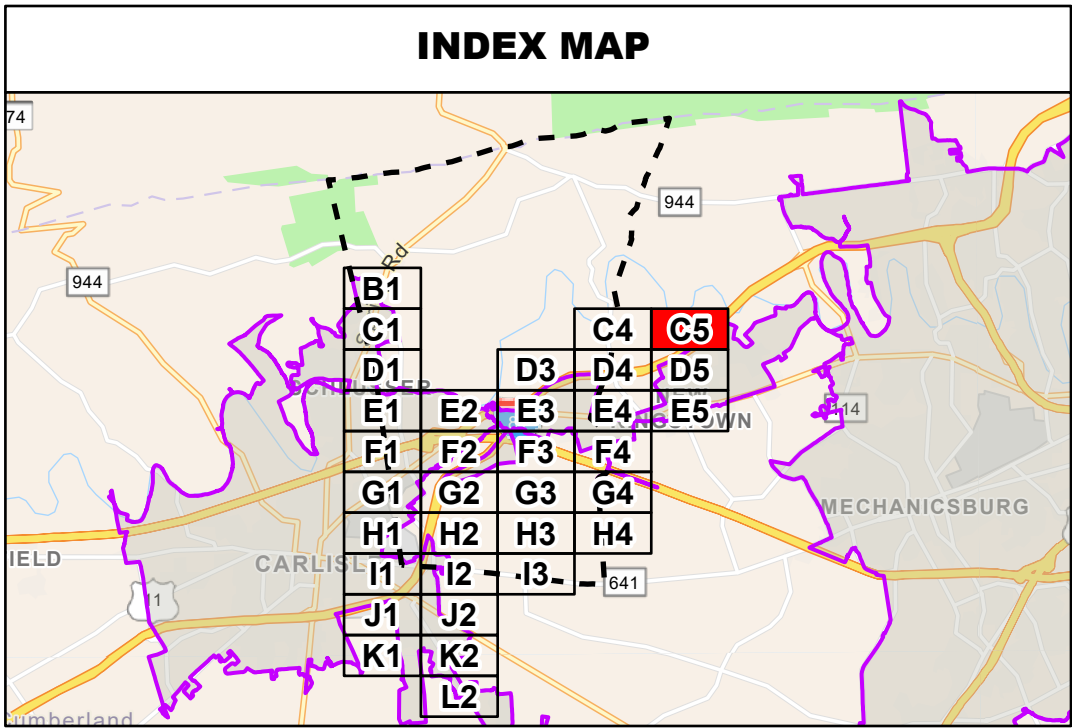
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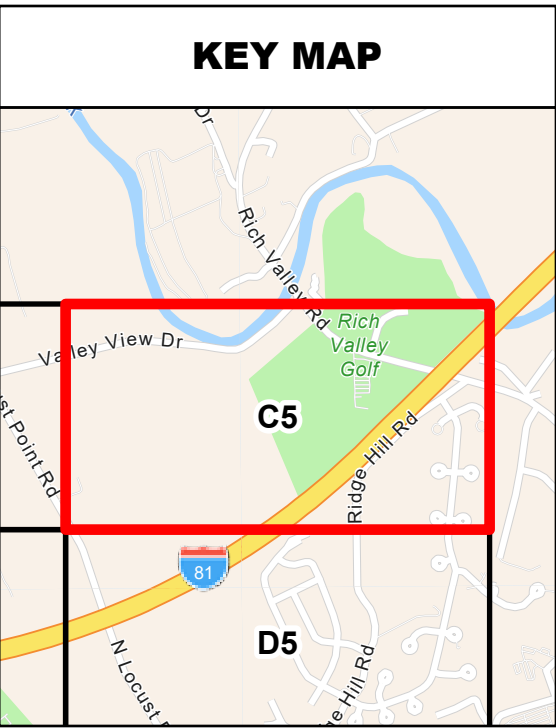
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Urbanized Area:	Harrisburg, PA
HUC Name:	SIMMONS CREEK-CONODOGUINET CREEK
HUC Code:	20503050406
Date:	1/18/2023
Prepared By:	DTM
Coordinate System:	NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet

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LEGEND

Planning Area/Regulated MS4	Existing BMP	Stream Attaining	Pipe
Middlesex Governance Boundary	Flow Direction	Stream Non-Attaining	Rain Trace
2010 Urbanized Area	Discharge Point	PRP Vegetated Swale	Stream Culvert
2010 Non-Urbanized Area	Inlet	PRP Bioretention/Raingarden	Swale
Sewershed Attaining	Intake	PRP Drainage Area	10' Contours
Sewershed Non-Attaining	Manhole	PRP Stream Restoration	10' Depression Contour
Parcels	Observation Point		2' Contours
	Outfall, Attaining		2' Depression Contour
	Outfall, Non-Attaining		

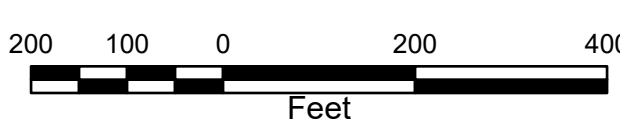


MS4 MAP #C5

Chesapeake Bay Basin

Middlesex Township

2010 Urbanized Area



200 100 0 200 400
Feet

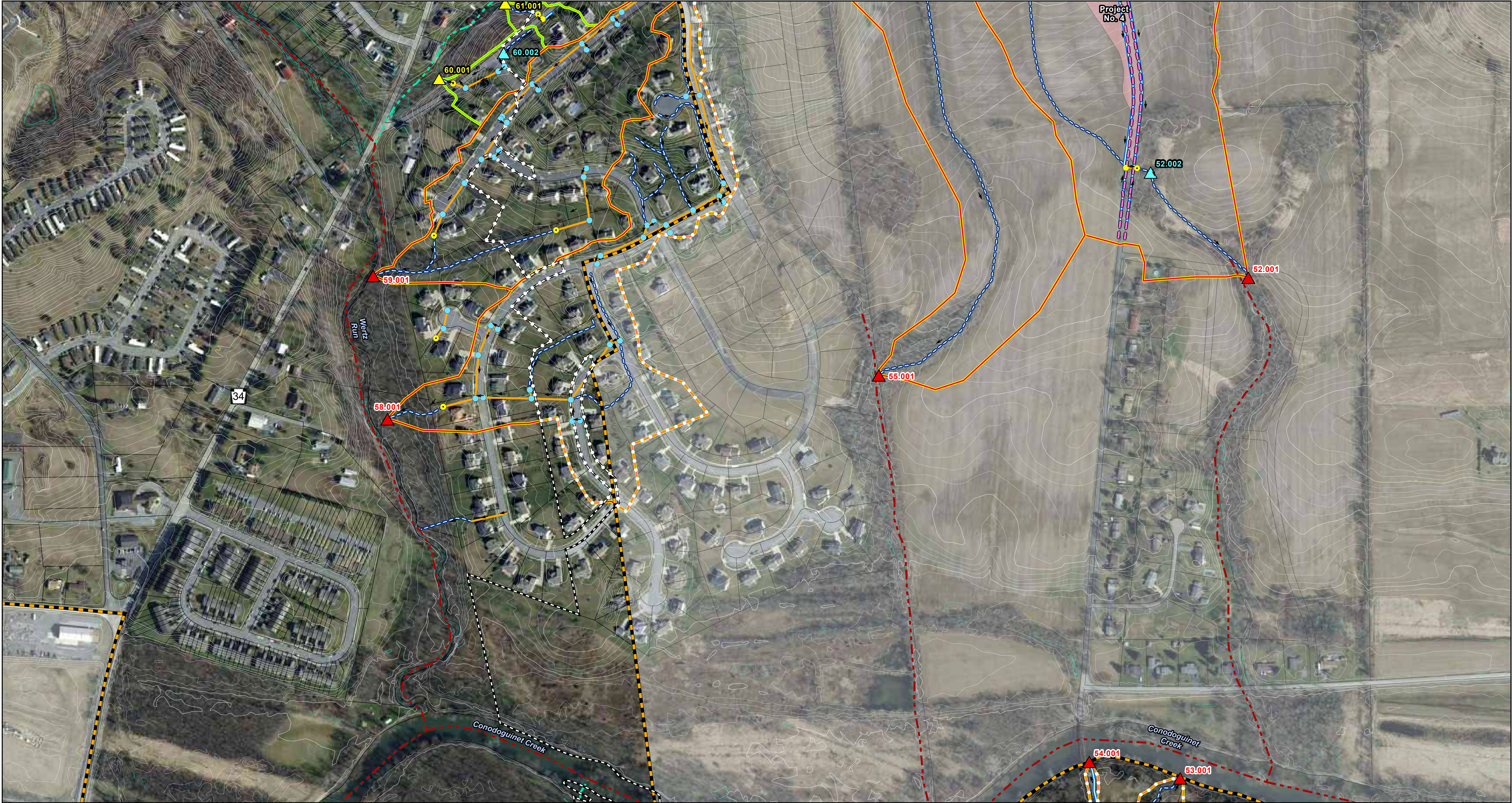


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Project No. JN217052

Plan Set # 1 of 2

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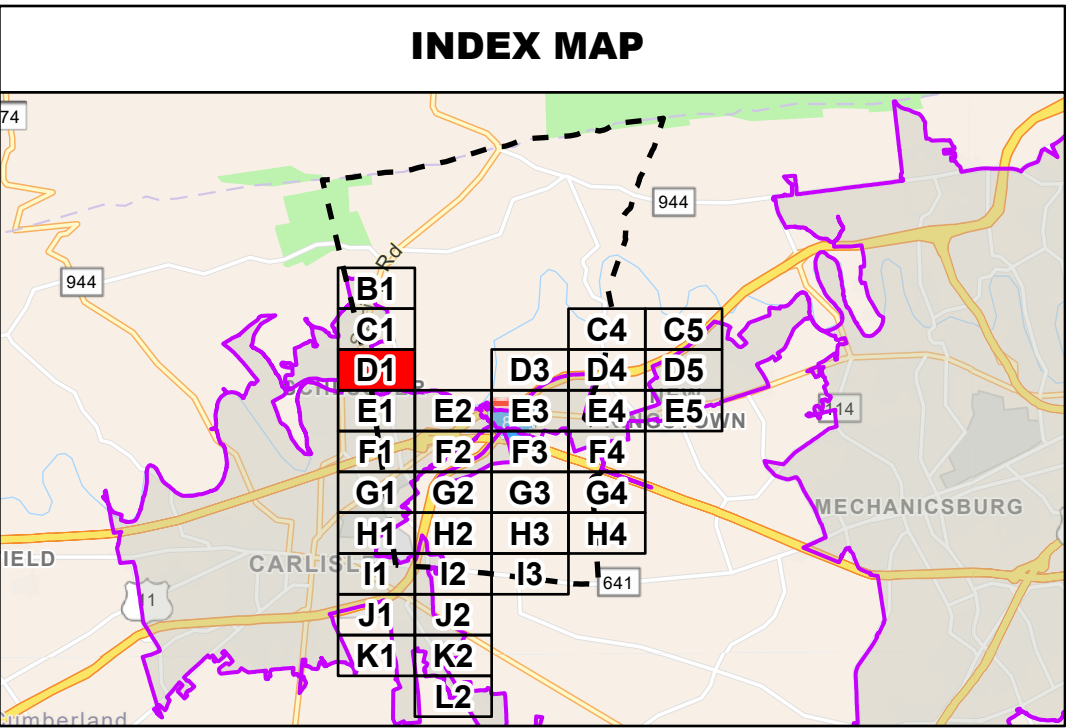
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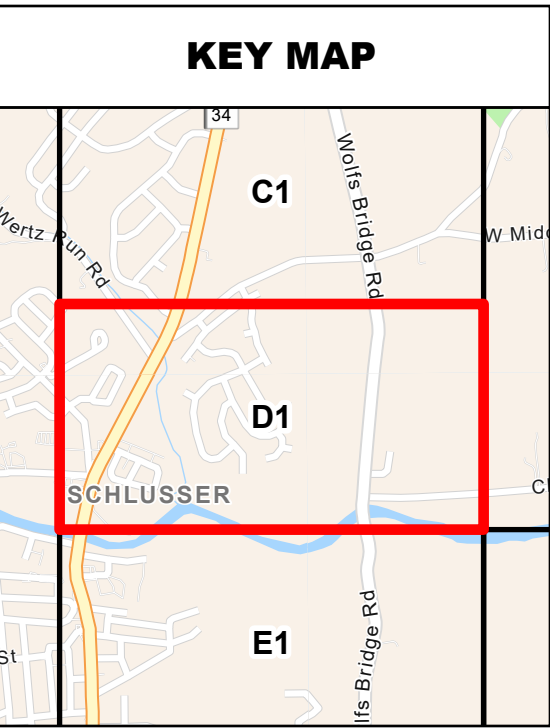
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Urbanized Area:	Harrisburg, PA
HUC Name:	WERTZ RUN-CONODOGUINET CREEK
HUC Code:	20503050403
Date:	1/18/2023
Prepared By:	DTM
Coordinate System:	NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet

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LEGEND

Planning Area/Regulated MS4	Existing BMP	Stream Attaining	Conveyances
Middlesex Governance Boundary	Flow Direction	Stream Non-Attaining	Pipe
2010 Urbanized Area	Discharge Point	PRP Vegetated Swale	Rain Trace
2010 Non-Urbanized Area	Inlet	PRP Bioretention/Raingarden	Stream Culvert
Sewershed Attaining	Intake	PRP Drainage Area	Swale
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Parcels	Observation Point		10' Contours
	Outfall, Attaining		10' Depression Contour
	Outfall, Non-Attaining		2' Contours
			2' Depression Contour

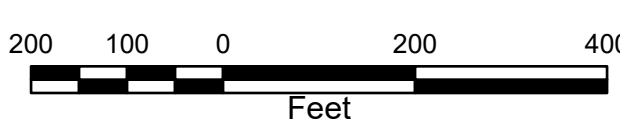


MS4 MAP #D1

Chesapeake Bay Basin

Middlesex Township

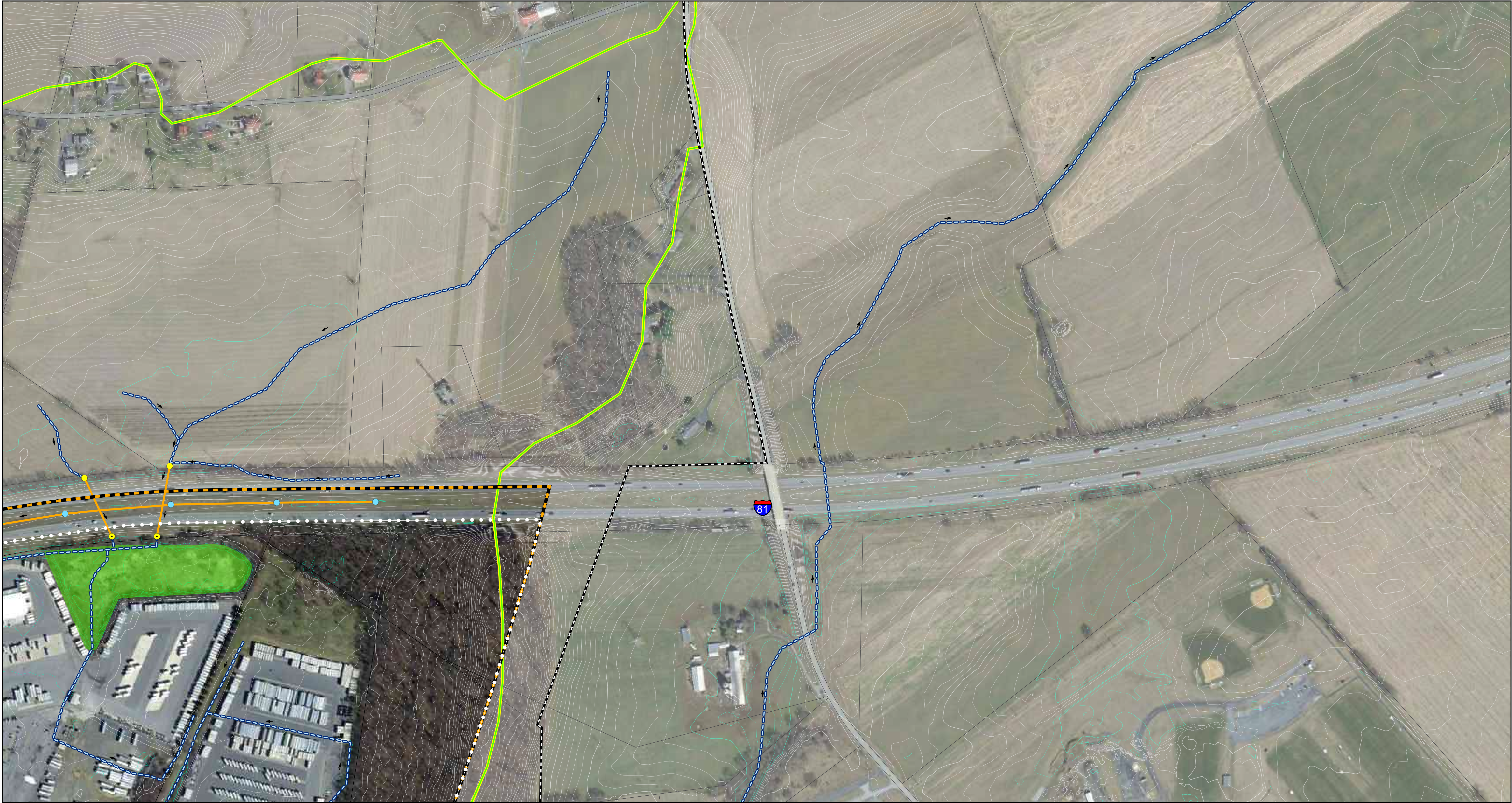
2010 Urbanized Area



Scale: 1" = 200'

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Plan Set # 1 of 2





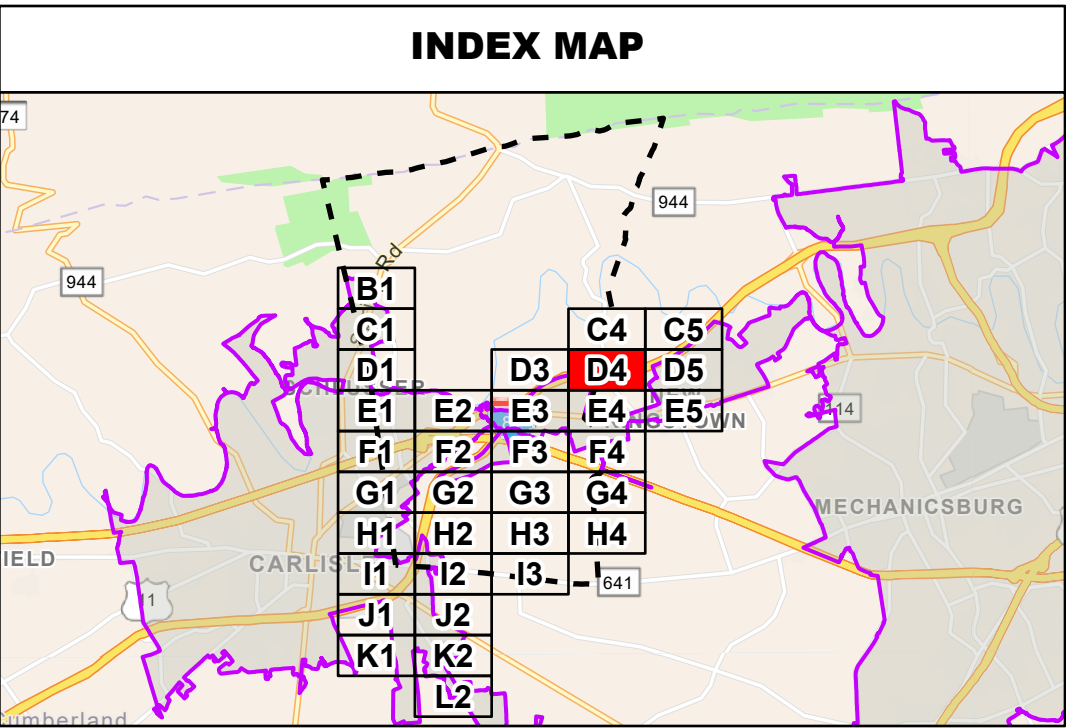
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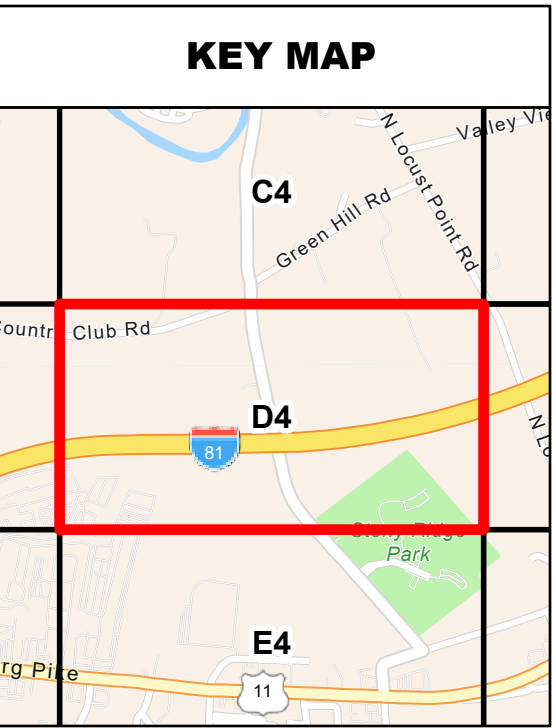
Municipality:	Middlesex, Silver Spring
Urbanized Area:	Harrisburg, PA
HUC Name:	LETORT SPRING RUN, SIMMONS CREEK-CONODOGUINET CREEK
HUC Code:	20503050404, 20503050406
Date:	1/18/2023
Prepared By:	DTM
Coordinate System:	NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet

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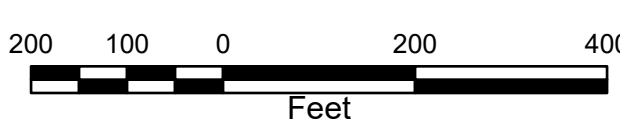


LEGEND

Planning Area/Regulated MS4	Existing BMP	Stream Attaining	<u>Conveyances</u>
Middlesex Governance Boundary	Flow Direction	Stream Non-Attaining	Pipe
2010 Urbanized Area	<u>Structures</u>	PRP Vegetated Swale	Rain Trace
2010 Non-Urbanized Area	Discharge Point	PRP Bioretention/Raingarden	Stream Culvert
Sewershed Attaining	Inlet	PRP Drainage Area	Swale
Sewershed Non-Attaining	Intake	PRP Stream Restoration	<u>Elevation</u>
Parcels	Manhole		10' Contours
	Observation Point		10' Depression Contour
	Outfall, Attaining		2' Contours
	Outfall, Non-Attaining		2' Depression Contour



MS4 MAP #D4
Chesapeake Bay Basin
Middlesex Township
2010 Urbanized Area



200 100 0 200 400
Feet



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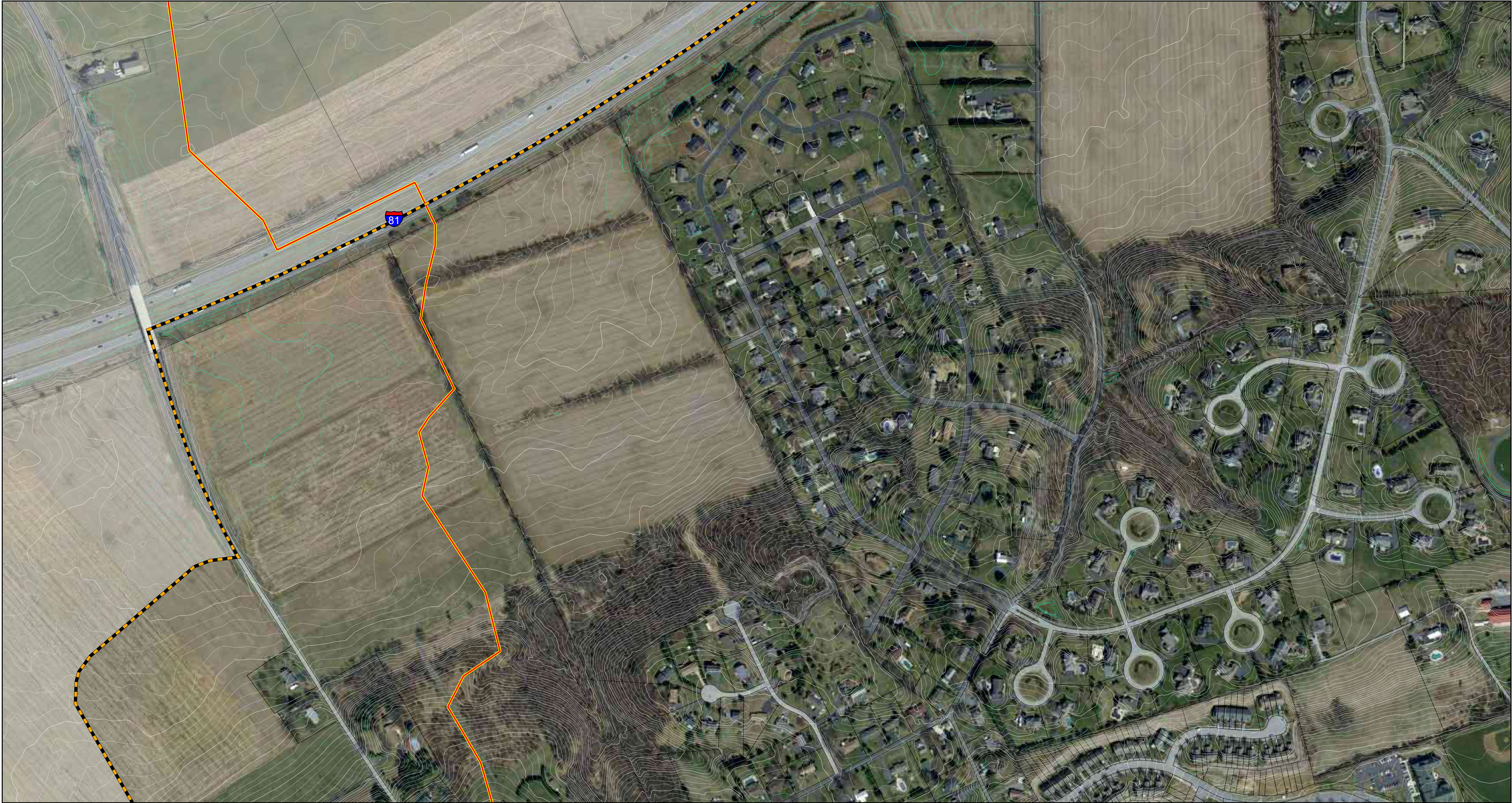
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Project No. JN217052

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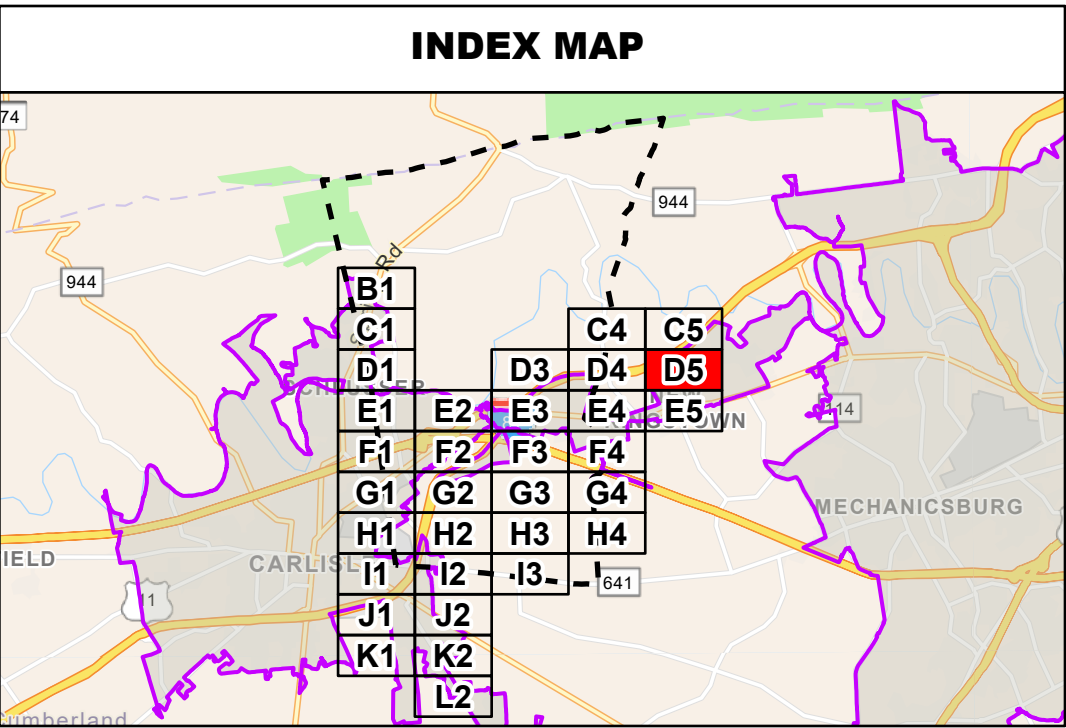
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Municipality:	Silver Spring
Urbanized Area:	Harrisburg, PA
HUC Name:	HOGESTOWN RUN, SIMMONS CREEK-CONODOGUINET CREEK
HUC Code:	20503050405, 20503050406
Date:	1/18/2023
Prepared By:	DTM
Coordinate System:	NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet

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LEGEND

Planning Area/Regulated MS4

Middlesex Governance Boundary

2010 Urbanized Area

2010 Non-Urbanized Area

Sewershed Attaining

Sewershed Non-Attaining

Parcels

Existing BMP

Flow Direction

Discharge Point

Inlet

Intake

Manhole

Observation Point

Outfall, Attaining

Outfall, Non-Attaining

Stream Attaining

Stream Non-Attaining

PRP Vegetated Swale

PRP Bioretention/Raingarden

PRP Drainage Area

PRP Stream Restoration

Conveyances

Pipe

Rain Trace

Stream Culvert

Swale

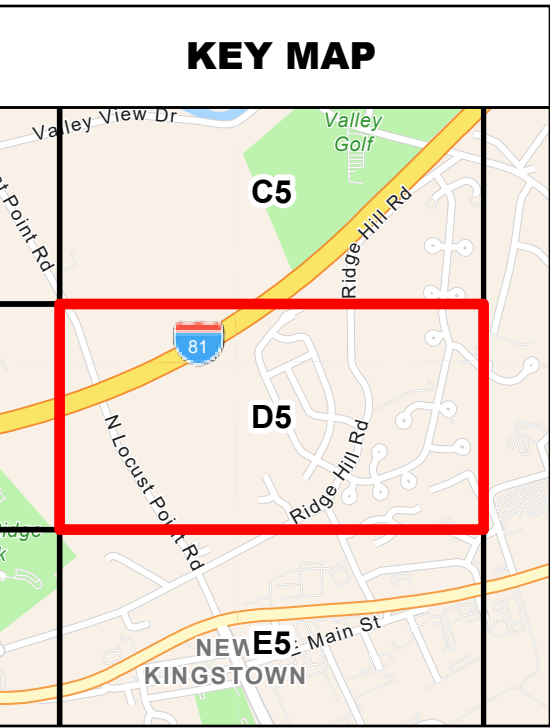
Elevation

10' Contours

10' Depression Contour

2' Contours

2' Depression Contour



MS4 MAP #D5

Chesapeake Bay Basin

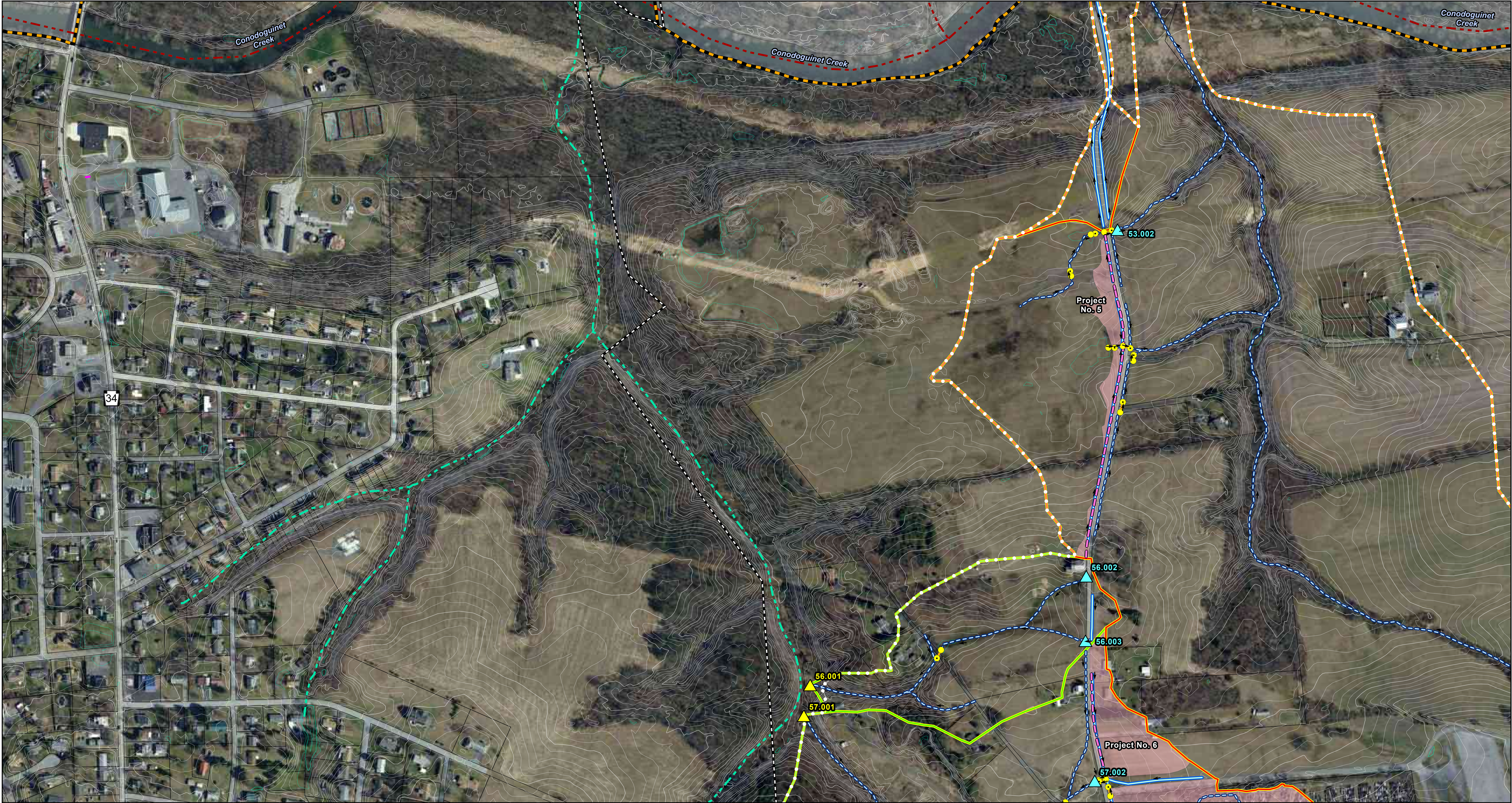
Middlesex Township

2010 Urbanized Area

Scale: 1" = 200'

Project No. JN217052

Plan Set # 1 of 2





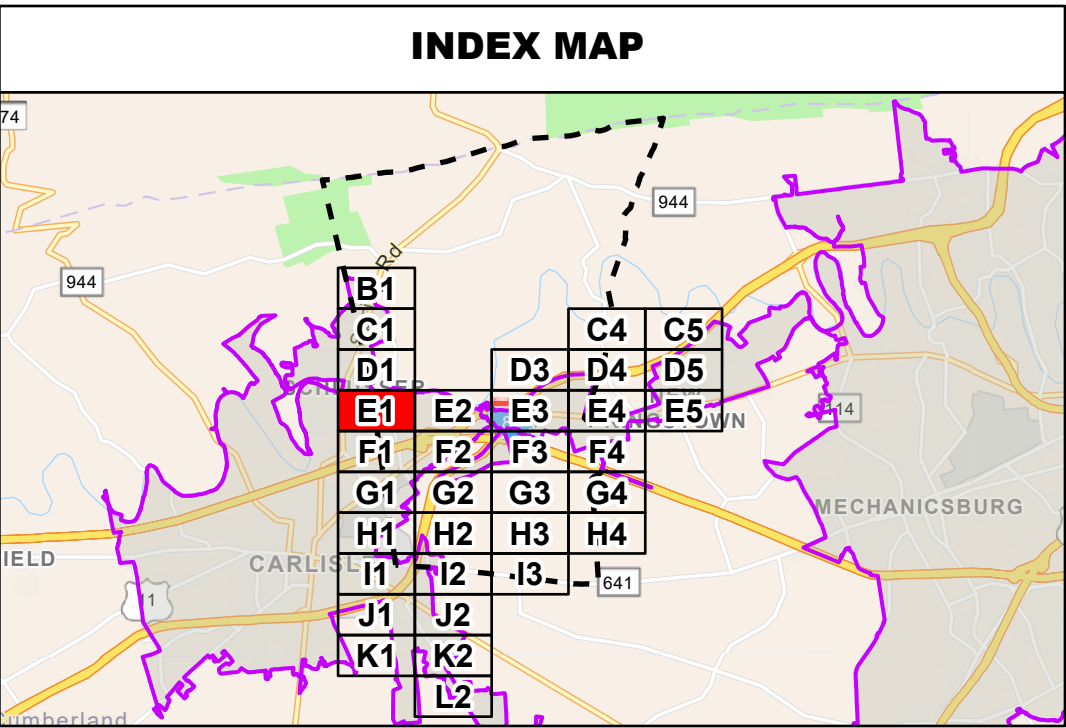
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Municipality:	Middlesex, North Middleton
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LEGEND

Planning Area/Regulated MS4

Middlesex Governance Boundary

2010 Urbanized Area

2010 Non-Urbanized Area

Sewershed Attaining

Sewershed Non-Attaining

Parcels

Existing BMP

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Manhole

Observation Point

Outfall, Attaining

Outfall, Non-Attaining

Stream Attaining

Stream Non-Attaining

PRP Vegetated Swale

PRP Bioretention/Raingarden

PRP Drainage Area

PRP Stream Restoration

Conveyances

Pipe

Rain Trace

Stream Culvert

Swale

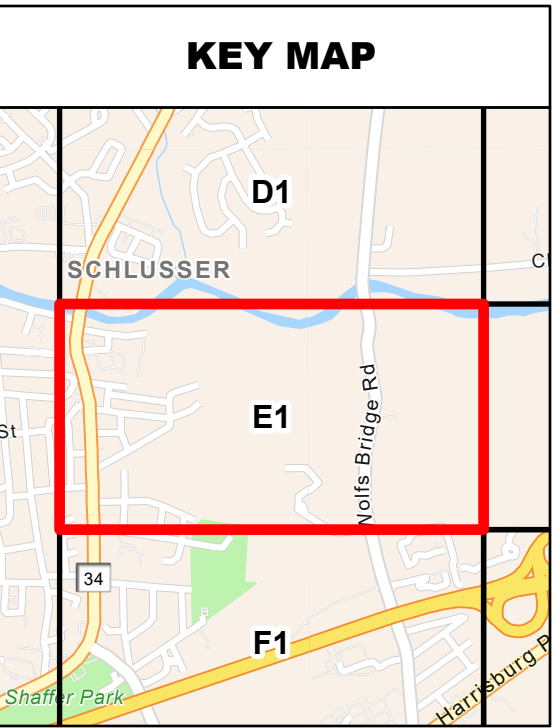
Elevation

10' Contours

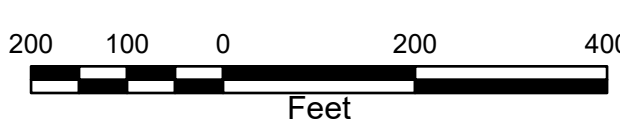
10' Depression Contour

2' Contours

2' Depression Contour



MS4 MAP #E1
Chesapeake Bay Basin
Middlesex Township
2010 Urbanized Area



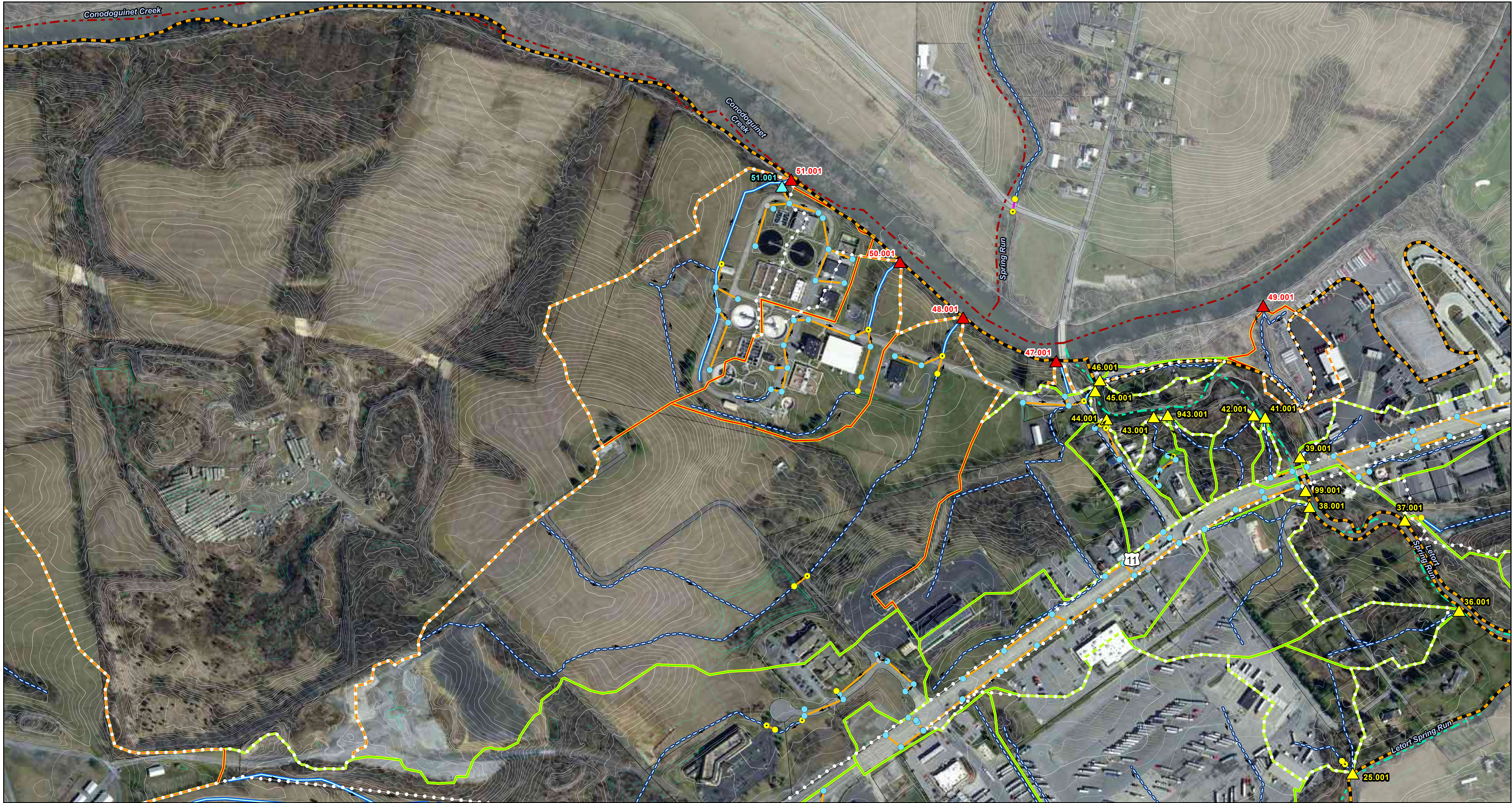
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Feet

Scale: 1" = 200'

Project No. JN217052

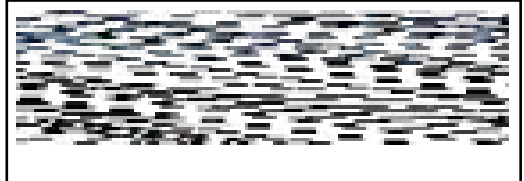
Plan Set # 1 of 2

Data Source: 1/10/2023 2:23 PM





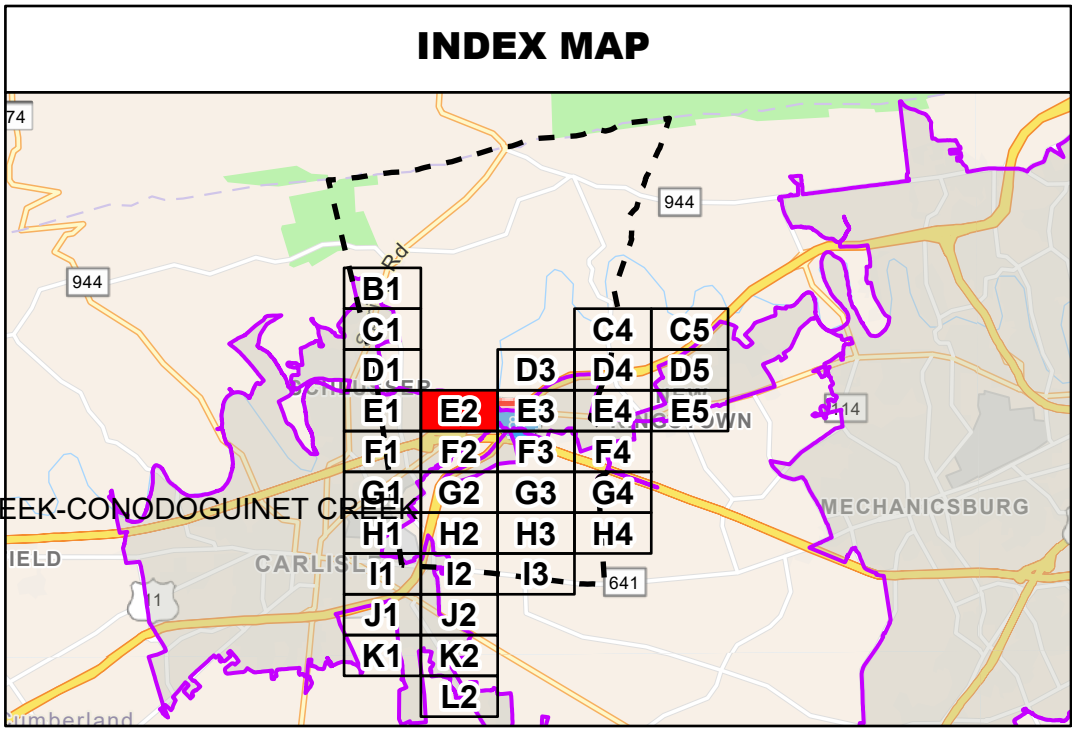
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PH: (717) 232-0593
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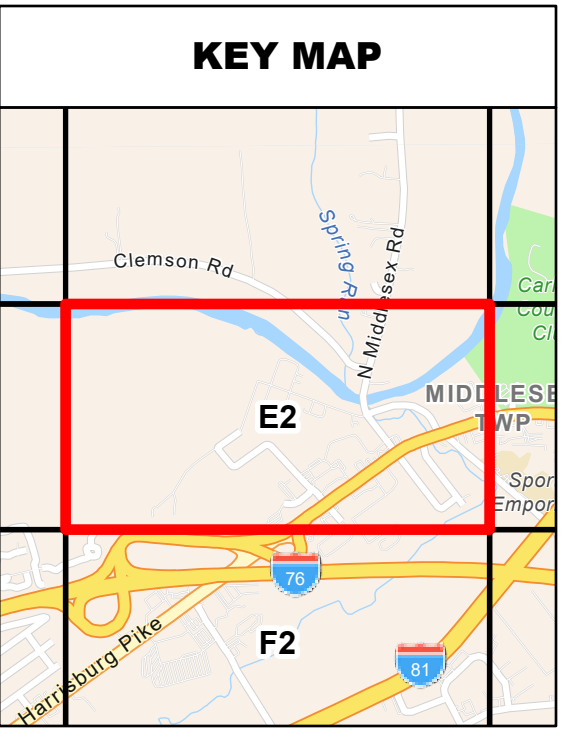
Municipality:	Middlesex
Urbanized Area:	Harrisburg, PA
HUC Name:	WERTZ RUN-CONODOGUINET CREEK, LETORT SPRING RUN, SIMMONS CREEK-CONODOGUINET CREEK
HUC Code:	20503050403, 20503050404, 20503050406
Date:	1/18/2023
Prepared By:	DTM
Coordinate System:	NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet

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LEGEND

Planning Area/Regulated MS4	Existing BMP	Stream Attaining	Pipe
Middlesex Governance Boundary	Flow Direction	Stream Non-Attaining	Rain Trace
2010 Urbanized Area	Discharge Point	PRP Vegetated Swale	Stream Culvert
2010 Non-Urbanized Area	Inlet	PRP Bioretention/Raingarden	Swale
Sewershed Attaining	Intake	PRP Drainage Area	10' Contours
Sewershed Non-Attaining	Manhole	PRP Stream Restoration	10' Depression Contour
Parcels	Observation Point		2' Contours
	Outfall, Attaining		2' Depression Contour
	Outfall, Non-Attaining		

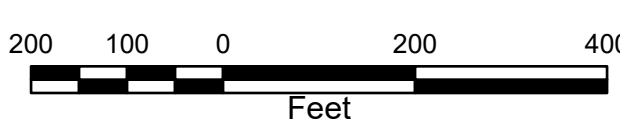


MS4 MAP #E2

Chesapeake Bay Basin

Middlesex Township

2010 Urbanized Area



Scale: 1" = 200'

Project No. JN217052

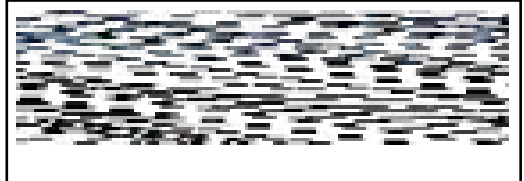
Plan Set # 1 of 2

Data Source: 1/18/2023 2:23 PM





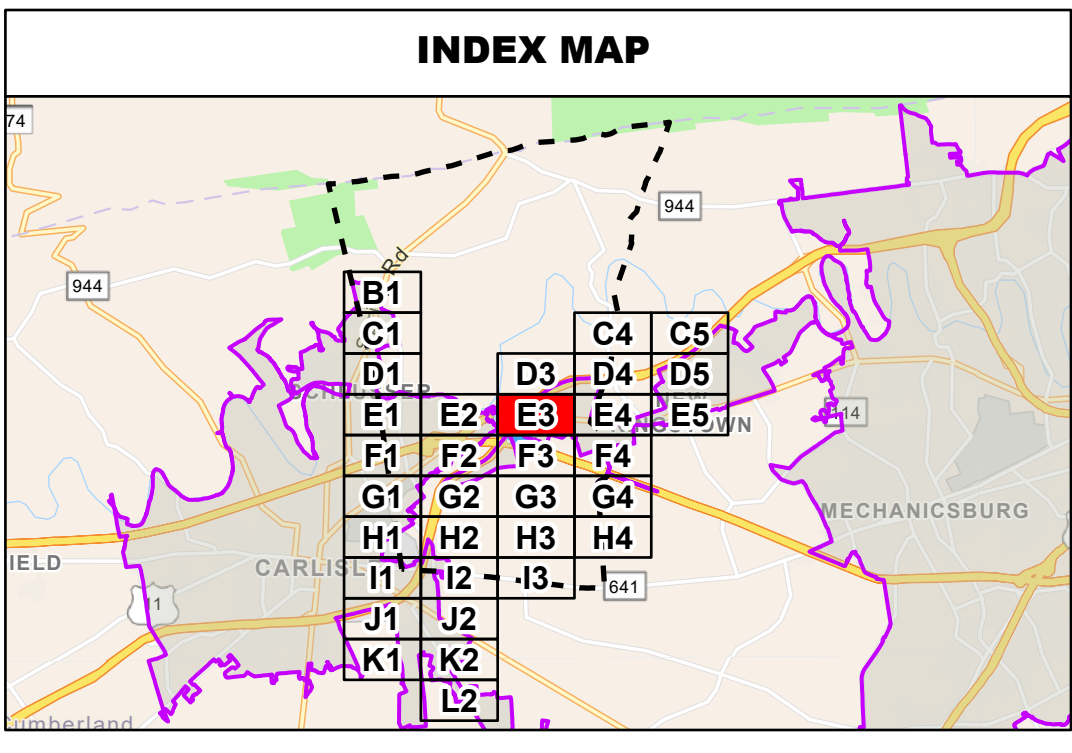
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PH: (717) 232-0593
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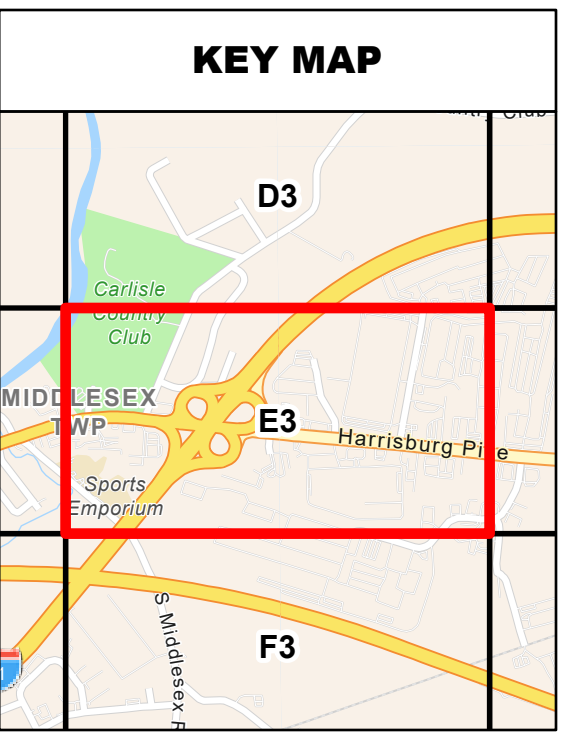
Municipality:	Middlesex
Urbanized Area:	Harrisburg, PA
HUC Name:	LETORT SPRING RUN, SIMMONS CREEK-CONODOGUINET CREEK
HUC Code:	20503050404, 20503050406
Date:	1/18/2023
Prepared By:	DTM
Coordinate System:	NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet

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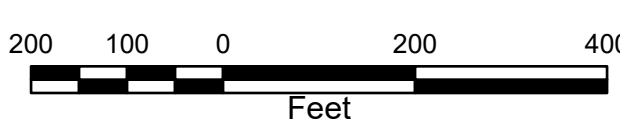


LEGEND

Planning Area/Regulated MS4	Existing BMP	Stream Attaining	Conveyances
Middlesex Governance Boundary	Flow Direction	Stream Non-Attaining	Pipe
2010 Urbanized Area	Structures	PRP Vegetated Swale	Rain Trace
2010 Non-Urbanized Area	Discharge Point	PRP Bioretention/Raingarden	Stream Culvert
Sewershed Attaining	Inlet	PRP Drainage Area	Swale
Sewershed Non-Attaining	Intake	PRP Stream Restoration	Elevation
Parcels	Manhole		10' Contours
	Observation Point		10' Depression Contour
	Outfall, Attaining		2' Contours
	Outfall, Non-Attaining		2' Depression Contour



MS4 MAP #E3
Chesapeake Bay Basin
Middlesex Township
2010 Urbanized Area



200 100 0 200 400
Feet



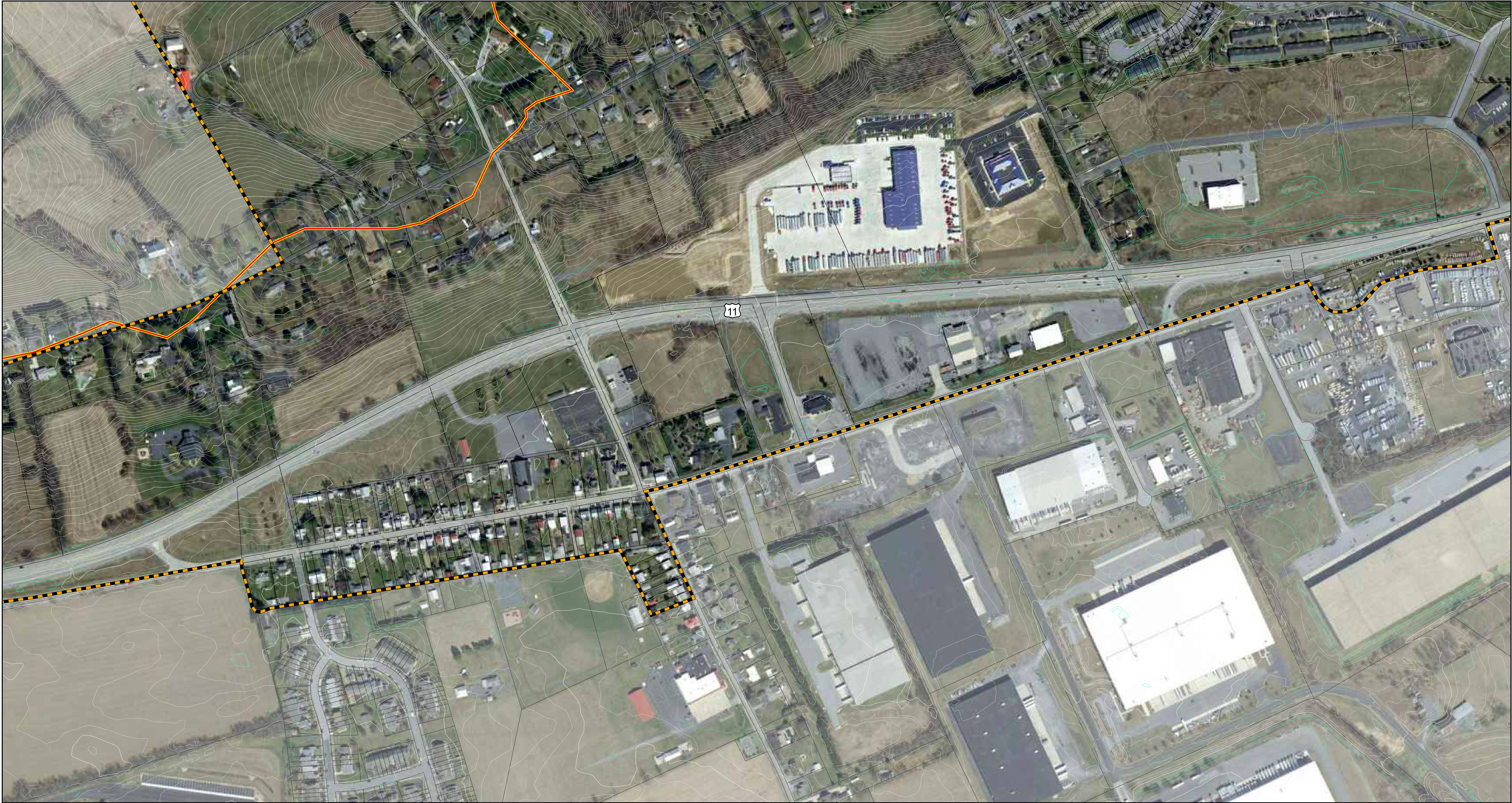
N
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Scale: 1" = 200'

Project No. JN217052

Plan Set # 1 of 2

Data Source: 1/18/2023 2:23 PM





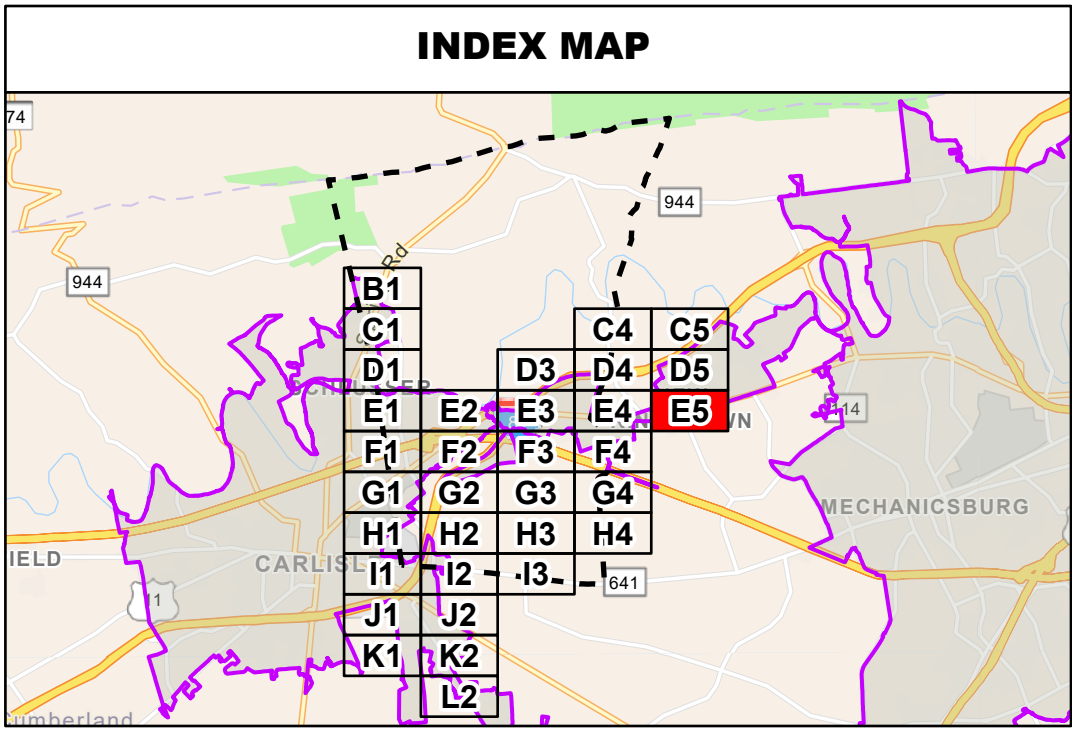
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Carlisle, PA 17013
717-249-4409



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Harrisburg, PA 17111
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Municipality:	Silver Spring
Urbanized Area:	Harrisburg, PA
HUC Name:	HOGESTOWN RUN, SIMMONS CREEK-CONODOGUINET CREEK
HUC Code:	20503050405, 20503050406
Date:	1/18/2023
Prepared By:	DTM
Coordinate System:	NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet

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LEGEND

Planning Area/Regulated MS4

Middlesex Governance Boundary

2010 Urbanized Area

2010 Non-Urbanized Area

Sewershed Attaining

Sewershed Non-Attaining

Parcels

Existing BMP

Flow Direction

Structures

Discharge Point

Inlet

Intake

Manhole

Observation Point

Outfall, Attaining

Outfall, Non-Attaining

Stream Attaining

Stream Non-Attaining

PRP Vegetated Swale

PRP Bioretention/
Raingarden

PRP Drainage Area

PRP Stream Restoration

Conveyances

Pipe

Rain Trace

Stream Culvert

Swale

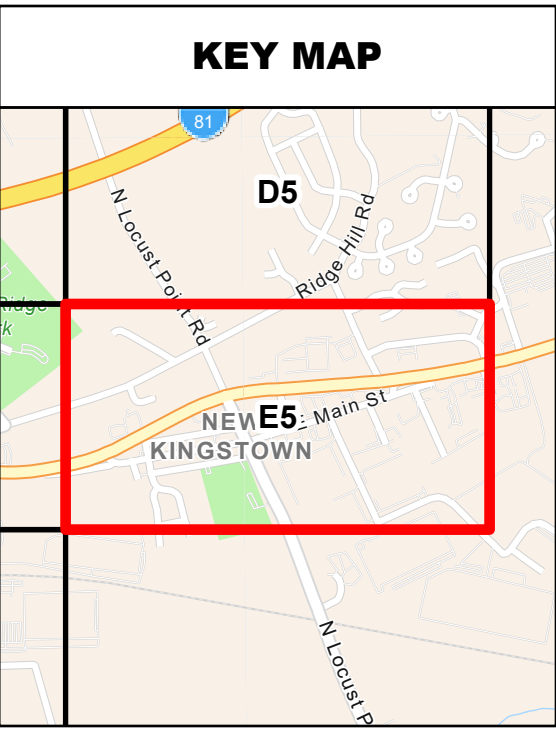
Elevation

10' Contours

10' Depression Contour

2' Contours

2' Depression Contour

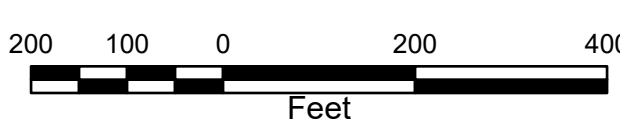


MS4 MAP #E5

Chesapeake Bay Basin

Middlesex Township

2010 Urbanized Area



200 100 0 200 400
Feet



Scale: 1" = 200'

Project No. JN217052

Plan Set # 1 of 2

Data Source: 1/18/2023 2:23 PM





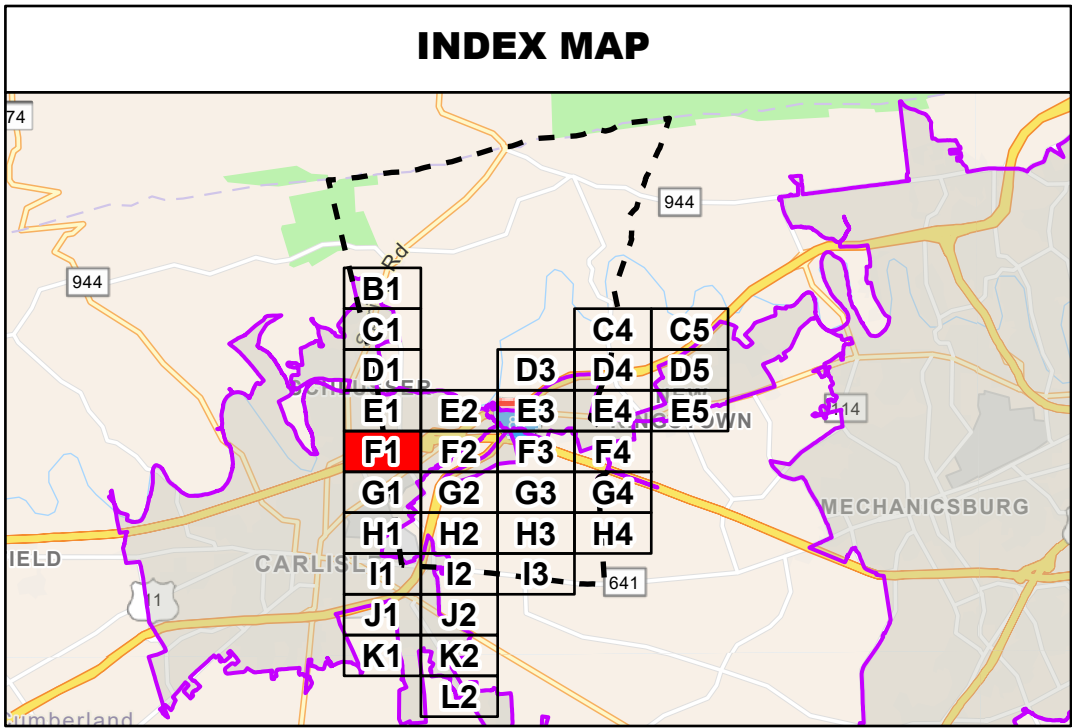
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PH: (717) 232-0593
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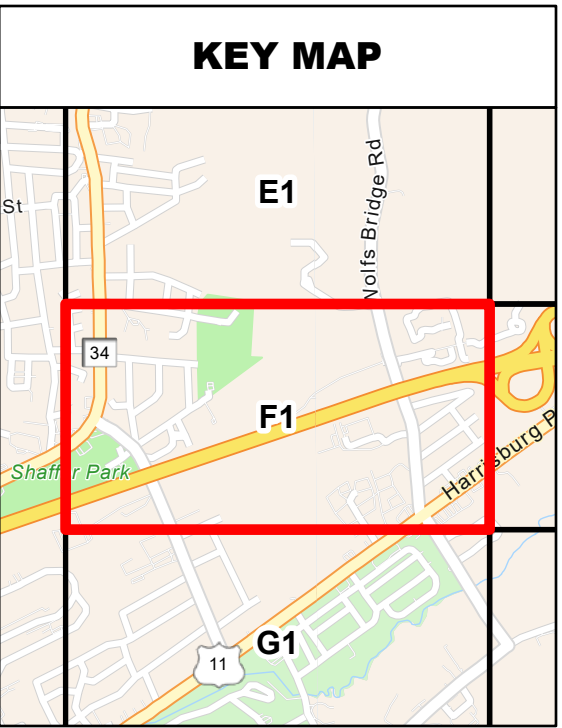
Municipality:	Middlesex, North Middleton
Urbanized Area:	Harrisburg, PA
HUC Name:	WERTZ RUN-CONODOGUINET CREEK, LETORT SPRING RUN
HUC Code:	20503050403, 20503050404
Date:	1/18/2023
Prepared By:	DTM
Coordinate System:	NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet

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LEGEND

Planning Area/Regulated MS4	Existing BMP	Stream Attaining	Conveyances
Middlesex Governance Boundary	Flow Direction	Stream Non-Attaining	Pipe
2010 Urbanized Area	Structures	PRP Vegetated Swale	Rain Trace
2010 Non-Urbanized Area	Discharge Point	PRP Bioretention/Raingarden	Stream Culvert
Sewershed Attaining	Inlet	PRP Drainage Area	Swale
Sewershed Non-Attaining	Intake	PRP Stream Restoration	Elevation
Parcels	Manhole		10' Contours
	Observation Point		10' Depression Contour
	Outfall, Attaining		2' Contours
	Outfall, Non-Attaining		2' Depression Contour

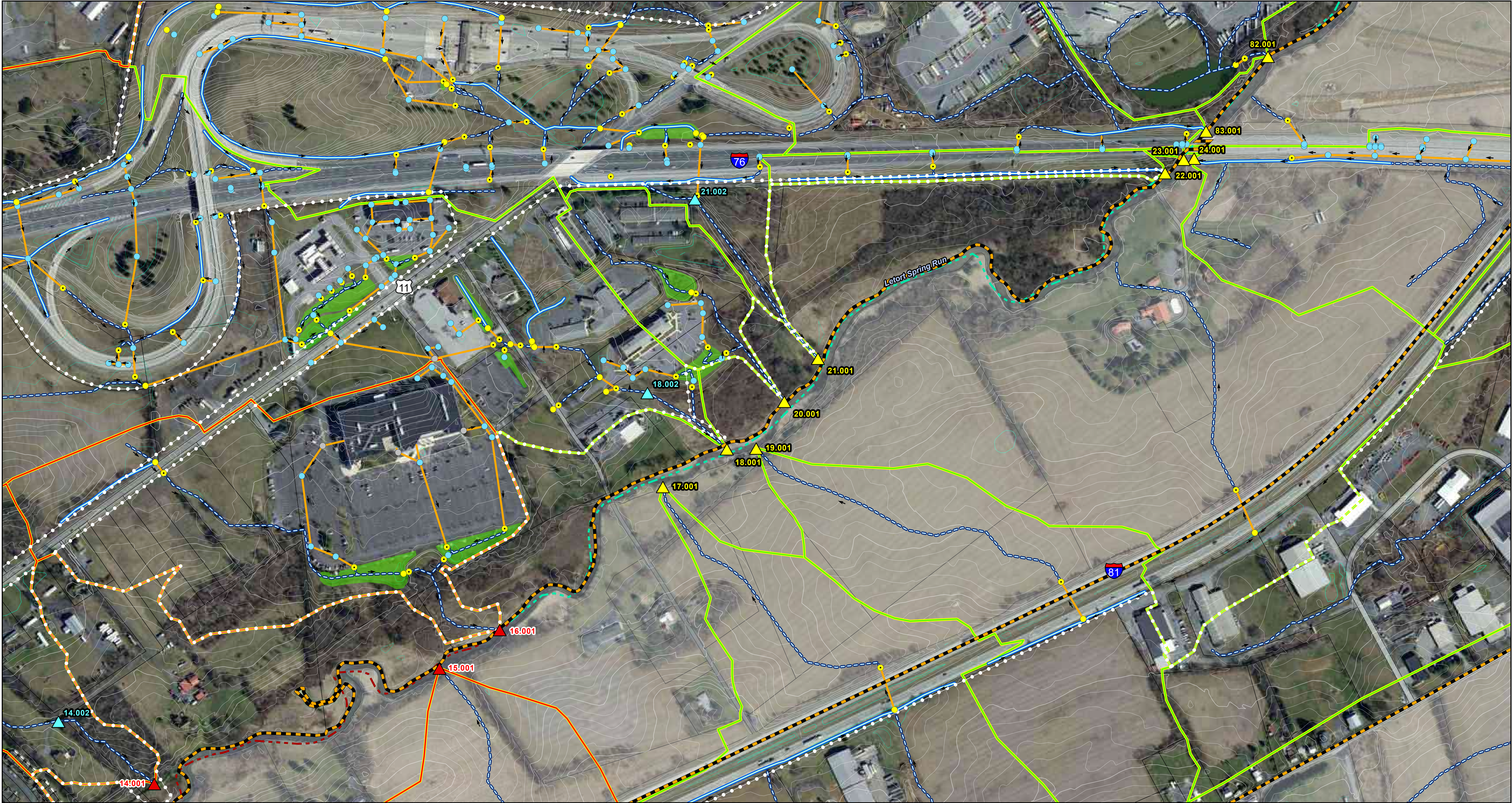


MS4 MAP #F1
Chesapeake Bay Basin
Middlesex Township
2010 Urbanized Area

200 100 0 200 400
Feet

Scale: 1" = 200'
Project No. JN217052

Plan Set # 1 of 2

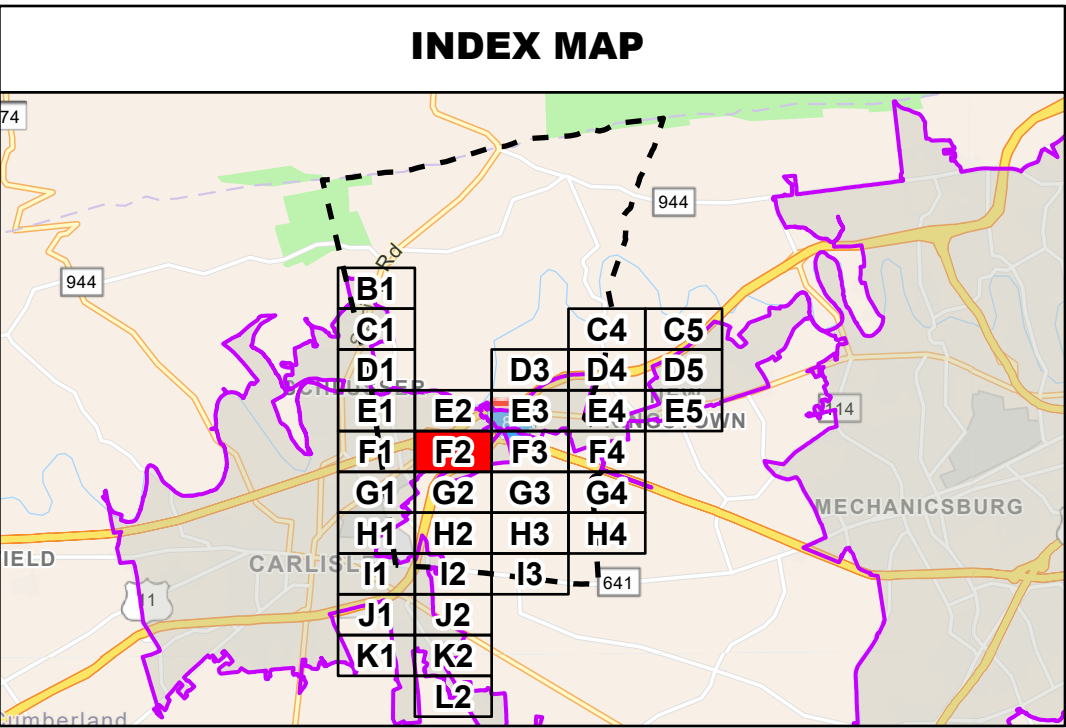




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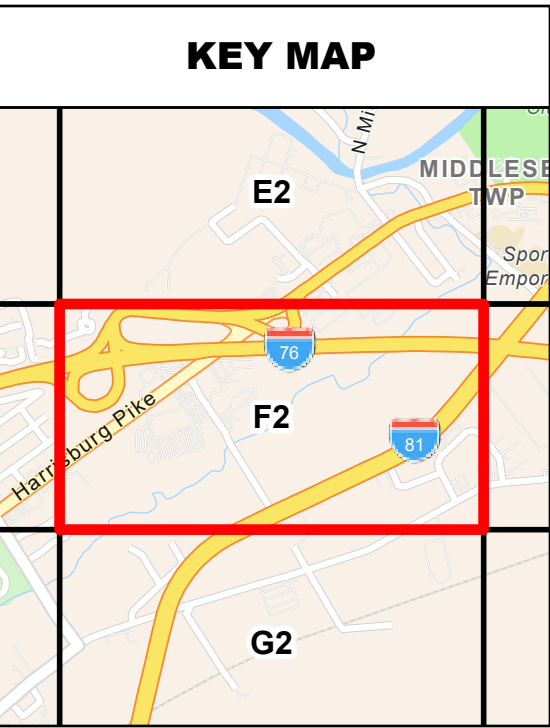
Municipality:	Middlesex
Urbanized Area:	Harrisburg, PA
HUC Name:	WERTZ RUN-CONODOGUINET CREEK, LETORT SPRING RUN
HUC Code:	20503050403, 20503050404
Date:	1/18/2023
Prepared By:	DTM
Coordinate System:	NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet

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LEGEND

Planning Area/Regulated MS4	Existing BMP	Stream Attaining	Conveyances
Middlesex Governance Boundary	Flow Direction	Stream Non-Attaining	Pipe
2010 Urbanized Area	Structures	PRP Vegetated Swale	Rain Trace
2010 Non-Urbanized Area	Discharge Point	PRP Bioretention/Raingarden	Stream Culvert
Sewershed Attaining	Inlet	PRP Drainage Area	Swale
Sewershed Non-Attaining	Intake	PRP Stream Restoration	Elevation
Parcels	Manhole		10' Contours
	Observation Point		10' Depression Contour
	Outfall, Attaining		2' Contours
	Outfall, Non-Attaining		2' Depression Contour



MS4 MAP #F2
Chesapeake Bay Basin
Middlesex Township
2010 Urbanized Area

Scale: 1" = 200'

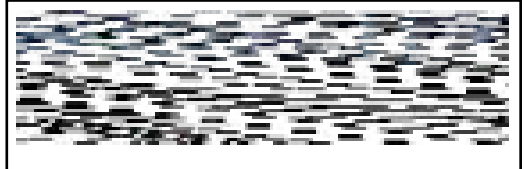
Project No. JN217052

Plan Set # 1 of 2





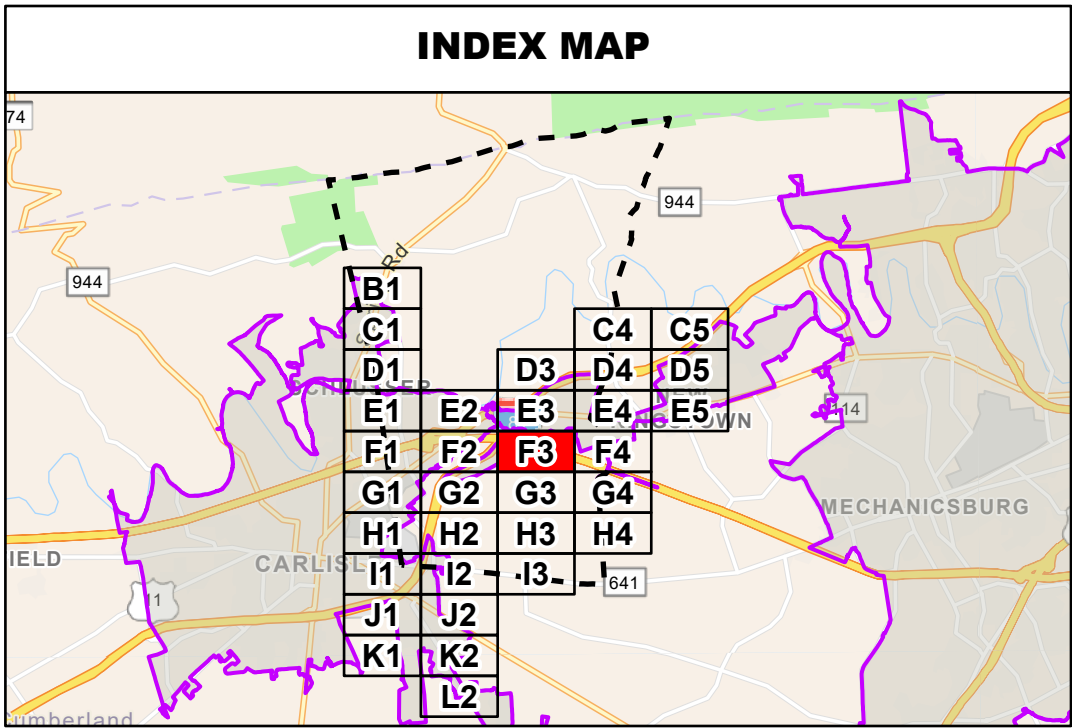
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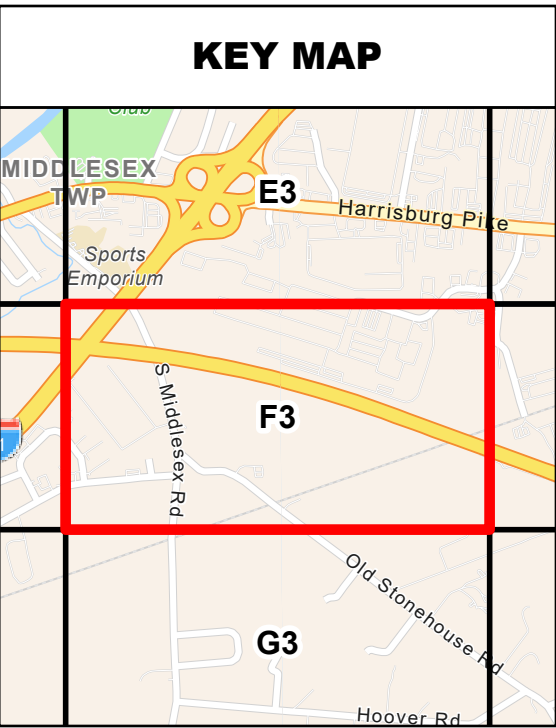
Municipality:	Middlesex
Urbanized Area:	Harrisburg, PA
HUC Name:	LETORT SPRING RUN, HOGESTOWN RUN
HUC Code:	20503050404, 20503050405
Date:	1/18/2023
Prepared By:	DTM
Coordinate System:	NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet

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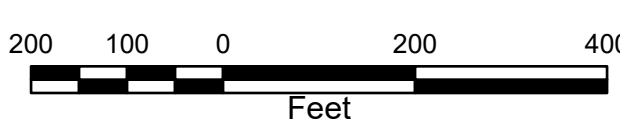


LEGEND

Planning Area/Regulated MS4	Existing BMP	Stream Attaining	Conveyances
Middlesex Governance Boundary	Flow Direction	Stream Non-Attaining	Pipe
2010 Urbanized Area	Structures	PRP Vegetated Swale	Rain Trace
2010 Non-Urbanized Area	Discharge Point	PRP Bioretention/Raingarden	Stream Culvert
Sewershed Attaining	Inlet	PRP Drainage Area	Swale
Sewershed Non-Attaining	Intake	PRP Stream Restoration	Elevation
Parcels	Manhole		10' Contours
	Observation Point		10' Depression Contour
	Outfall, Attaining		2' Contours
	Outfall, Non-Attaining		2' Depression Contour



MS4 MAP #F3
Chesapeake Bay Basin
Middlesex Township
2010 Urbanized Area



200 100 0 200 400
Feet



N
W
E
S

Scale: 1" = 200'

Project No. JN217052

Plan Set # 1 of 2