

Catchment ID: BB05

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 1 -- Catchment Information

Subwatersned: Bea	ar Branch				
Location of Catchmen	t Centroid on ADC Map:	Year: 2001	Page: 4	Grid: _	Ξ6
State Plane Coordinat	es of Outfall Location:	X: <u>1351552</u>	Y:	518515	
Closest Road Intersec	tion to Outfall: Laurel Place	and Catalpa Street			
Outfall SDI ID or Outfa	all Description: System 8504	46A, SDI 54568; outfal	ls to Laurel Lakes		
Objective: Demonstra	tion / Impairment(s) (Sheet	1) Demonstra	ation, Water Qualit	У	
Drainage Area (ac):	25.3	Impervious Area	(ac): <u>20.2</u>		
Percent Impervious:	80%	Soil Recharge Fa	actor (S): <u>0.13</u>		
WQ _v (required): 1.6	24	Re _v (required): 0	.211		
Predominant Land Use	e: commercial	Mean Depth to C	Pround Water:	1-2 ft	
Sanitary System: ☐s	eptic Municipal Sewer	Water Supply:	On Site Well	Public Water	
Storm Drainage Sys	stem Within Catchment				
Piped: <u>100%</u>	Open Channels:	0%			
Area Drained by Syste	em: <u>100%</u>				
Location in Catchmen	t: Headwaters Middle	☐ Lower ✓ All			
Open Channel Lining-	Vegetation: 0%	Riprap: 0%	Concrete: 0%	Other:	0%
Existing IMP(s) / BN	ЛР(s)				
SDI ID: <u>85127A</u>	Type (number from Shee	ets 4 & 5): <u>16</u>	Age: <u>17</u>	_	
Closest Road Intersec	tion to IMP / BMP: Lau	rel Place and Cherry	/ Lane		
Catchment Area Treat	ed (ac) : <u>9.82</u>	Percentage C	atchment Treated:	39%	
WQ _v Provided: □ Y	res ☑ NO Re _v Provide	ed: ☐YES ☑NO	C _p Provided:	YES	✓ NO
SDI ID:	Type (number from Shee	ets 4 & 5):	Age:	_	
Closest Road Intersec	tion to IMP / BMP:				
Catchment Area Treat	ed (ac) :	Percentage C	atchment Treated:		
WQ _v Provided: □ Y	res □ NO Re _v Provide	ed: YES NO	C _p Provided:	YES	NO
SDI ID:	Type (number from Shee	ets 4 & 5):	Age:	_	
Closest Road Intersec	tion to IMP / BMP:				
Catchment Area Treat	ed (ac) :	Percentage C	atchment Treated:		
WQ_v Provided:	res 🔲 no Re _v Provide	ed: ☐YES ☐NO	C _p Provided:	YES	□NO

Catchment ID: BB05

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 1 -- Catchment Information (concluded)

CATCHMENT SUMMARY					
WQ _v (provided):	0.64	Re _v (provided) :	0.09		
Area Treated (ac):	9.82	Impervious Area Treated (ac):	8.03		
Area Treated (%):	39%	Impervious Area Treated (%):	40%		
Comments					

Site ID: LHIC Catchment ID: BB05

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 2 -- Site Information

Site Name: Lowes Home Improvement Center	Address: 14398 Baltimore Avenue
Site Owner: Laurel Lakes LLC	
State Plane Coordinates of Site Centroid:	X: <u>1351302</u> Y: <u>517018</u> Date: <u>3/25/03</u>
Personnel: PM	Weather: sunny, 65F deg
Area (ac): 23.9	Impervious Area (ac): 21
Percent Impervious: 88%	Soil Recharge Factor (S): 0.13
WQ _v (required): 1.68	Re _v (required): 0.22
Property Area (ac): 25.3	Property Area Included in Site: 94%
Amount of Catchment Occupied by Site: 94	<u>1%</u>
Storm Drainage System Within Site	
Piped:100% Open Channels:	
Open Channel Lining - Vegetation: 0% Ripra	ap:0% Concrete:0% Other:0%
Existing IMP(s) / BMP(s) (Indentified on Pag	ue 1 FORM 1 Catchment Information)
	tion: Excellent Good Average Fair Poor
 -	tion: Excellent Good Average Fair Poor
SDI ID: Condit	tion: Excellent Good Average Fair Poor
Site Information	
Type of Pavement:	Gravel Grid Pavers Other
Pavement Condition: Excellent	Average
Underdrains can be easily directed to existing sto	rm drains or daylighted: ☑ YES ☐ NO
Gutter/Exterior Downspouts Present: YES	□NO
Roof Connected Directly to Storm Drain: YES	□NO
Roof Drains onto Impervious Surface: YES	□NO
Obvious Existing Drainage Problems:	xtensive
Steep Slopes Present: Extensive Mod	erate Average Limited None
Existing Landscaping:	erate Average Limited None
Mature / Specimen Trees: ☐ Extensive ☐ Mod	erate Average Limited None
Area Available for Aboveground BMPs:	xtensive Moderate Average Limited None
Existing Cover of Potential Aboveground BMP Lo	cations: Grass Landscaped Gravel Other Pervious
	☑ Pavement ☐ Other Impervious

Site ID: LHIC Catchment ID: BB05

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 2 -- Site Information (concluded)

Com	mercial / Insti	tutional		
Island	ds Present: ☑ ʏ	ES NO	Curb Present Around Island:	YES NO
Ground Level of Island Relative to Pavement:			✓ Above ☐ Equal ☐ Below	
Island	d Landscaping:	☐ Impervious ☐ Bare Earth ☐ Trees (<2 in. DBH)	n ☐ Gravel ☑ Grass ☐ Mulch ☐ Herbac ☑ Trees (2 - 6 in. DBH) ☐ Trees (>6 in. DBH)	eous Plants Shrubs
Trees	have sufficient	spacing to allow IMPs	✓ YES NO	
Parki	ng area that can	be directed to potential tre	eatment area with little grading:	90%
SITE	SUMMARY			
WQ_v	(provided) :	0.64	Re _v (provided):	0.09
Area	Treated (ac) :	9.82	Impervious Area Treated (ac):	8.03
Area	Treated (%):	39	Impervious Area Treated (%):	40
Phot	ographs			
No.	414	Description: looki	ng south at west (back) side of building	
No.	415		ng east at north side of building	
No.	416		ng north at east (front) side of building	
No.	417	<u> </u>	ng south at east (front) side of building	
No.	418	Description: looki	ng west at north side of building	
No.	419	Description: looki	ng north at west (back) side of building	
No.		Description:		
Aeria Pave	I photograph is oment affected by	construction is new. Olde	ccurate. Building footprint has changed. er pavement still exists. New site information	tion
is nee	eded. Storm dra	iin system has been modifi	ied.	

Catchment ID: BB05

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 2 -- Site Information





414 415





416 417





IMP / BMP ID:	1 Site ID: LHIC	Catchment ID: BB05

New LID IMP ✓ SWM BMP Retrofit ✓ New SWM	BMP □ Type (Sheets 4 & 5): <u>7</u>
State Plane Coordinates of IMP / BMP Centroid:	X:Y:
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map
Identify all Impairments Addressed by Recommendation (Sh	neet 1): <u>1, 4, 7, 16</u>
Treatment Area Ownership: Transportation ROW Utility F	OW County Other Government Private
Infrastructure / Structures / Buildings Impacted:] NO
Limited Impact to Adjacent Properties: ✓ YES NO	
Area Accessible for Construction: ✓ YES NO	
Area Accessible for Maintenance: ☑ YES ☐ NO	
Limited Permitting Issues: ✓ YES □ NO	
Jurisdictional Wetlands Impacted: ☐ YES ☑ NO	
Forest Retention Area Impacted: ☐ YES ☑ NO	
Conservation Easement Impacted: ☐ YES ☑ NO	
Utilities Present: ☑ None ☐ Natural Gas ☐ Electric ☐ Telephone	☐ Cable ☐ Water ☐ Sewer ☐ Other
Utilities Impacted: ☑ None ☐ Natural Gas ☐ Electric ☐ Telephone	☐ Cable ☐ Water ☐ Sewer ☐ Other
Impacted Utilities: Above Gound Underground	
Critical Area Impacted: ☐ YES ☑ NO	
Mature / Specimen Trees Impacted: ☐ YES ☑ NO	
Existing Landscaping Impacted:	
Underdrain Needed: ☐ YES ☐ NO Underdrains	s Can Discharge:
Soils are Suitable: TYES NO Ground Wa	ter Table Level Suitable: ☐ YES ☐ NO
Estimate IMP / BMP drainage area included on site:	3.92 ac 100%
Retrofit of Existing SWM BMP	
SDI ID: Add	Forebay: ☐ YES ☐ NO
Modify Outlet Stucture: ☐ YES ☐ NO Add	Aquatic Bench: YES NO
Grade Bottom of Facility: NO Plant	Native Vegetation: YES NO
Provide Additional Storage Volume: ☐ YES ☐ NO	
Excavation / Raise the Embankment:	

IMP / BMP ID: 1	Site ID: LHIC	Catchment ID: BB05

IMP / BMP SUMM	MARY	
WQ_v (provided):	Undetermined	Re _v (provided): 0.000
Area Treated (ac):	3.92	Impervious Area Treated (ac): 3.92
Photographs		
No. <u>871</u>	De	escription: looking north at front of building
No. <u>872</u>	De	escription: looking northeast at back of building
No	De	escription:
Comments could be broken.		rnspouts that connect directly to storm drain. Connection
IMP area = 170,75	0 sq ft	





IMP / BMP ID: 2	Site ID: LHIC	Catchment ID: BB05

New LID IMP ✓ SWM BMP Retrofit ✓ New SWM BMP ✓ Type (Sheets 4 & 5): 39
State Plane Coordinates of IMP / BMP Centroid: X: Y:
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map
Identify all Impairments Addressed by Recommendation (Sheet 1): 1, 2, 3, 4, 7, 16
Treatment Area Ownership: ☐ Transportation ROW ☐ Utility ROW ☐ County ☐ Other Government ☑ Private ☐ Other
Infrastructure / Structures / Buildings Impacted: ☐ YES ☑ NO
Limited Impact to Adjacent Properties: ☑ YES ☐ NO
Area Accessible for Construction: ☑ YES ☐ NO
Area Accessible for Maintenance: ☑ YES ☐ NO
Limited Permitting Issues: ☑ YES ☐ NO
Jurisdictional Wetlands Impacted: ☐ YES ☑ NO
Forest Retention Area Impacted: YES NO
Conservation Easement Impacted: ☐ YES ☑ NO
Utilities Present: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other
Utilities Impacted: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other
Impacted Utilities: Above Gound Underground
Critical Area Impacted: ☐ YES ☑ NO
Mature / Specimen Trees Impacted: ☐ YES ☑ NO
Existing Landscaping Impacted:
Underdrain Needed: ☑ YES ☐ NO Underdrains Can Discharge: ☑ YES ☐ NO
Soils are Suitable: ☑ YES ☐ NO Ground Water Table Level Suitable: ☑ YES ☐ NO
Estimate IMP / BMP drainage area included on site: 0.92 ac 100%
Retrofit of Existing SWM BMP
SDI ID: Add Forebay: DNO
Modify Outlet Stucture: ☐ YES ☐ NO Add Aquatic Bench: ☐ YES ☐ NO
Grade Bottom of Facility: ☐ YES ☐ NO Plant Native Vegetation: ☐ YES ☐ NO
Provide Additional Storage Volume: YES NO
Excavation / Raise the Embankment:

|--|

IMP / BMF	SUMMARY			
WQ _v (provi	ded):	0.067	Re _v (provided):	0.009
Area Treate	ed (ac):	0.92	Impervious Area Treated (ac):	0.85
Photogra	phs			
No. <u>8</u>	373	Description	n: <u>looking east</u>	
No. <u>8</u>	374	Description	n: looking west	
No.		Description	n:	
No.		Description	n:	
No.		Description	n:	
No.		Description	n:	
No.		Description	n:	
No.		Description	า:	
Comment	ts			
IMP area =	: 5,931 sq ft			

IMP / BMP ID: 2 Site ID: LHIC Catchment ID: BB05

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 3 -- Opportunities and Constraints of Potential Management Practice





IMP / BMP ID: 3	Site ID: LHIC	Catchment ID: BB05

New LID IMP ✓ SWM BMP Retrofit ✓ New SWM BMP ✓ Type (Sheets 4 & 5): 39				
State Plane Coordinates of IMP / BMP Centroid: X: Y:				
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map				
Identify all Impairments Addressed by Recommendation (Sheet 1): 1, 2, 3, 4, 7, 16				
Treatment Area Ownership: ☐ Transportation ROW ☐ Utility ROW ☐ County ☐ Other Government ☑ Private ☐ Other				
Infrastructure / Structures / Buildings Impacted: ☐ YES ☑ NO				
Limited Impact to Adjacent Properties: ☑ YES ☐ NO				
Area Accessible for Construction: ✓ YES NO				
Area Accessible for Maintenance: ☑ YES ☐ NO				
Limited Permitting Issues: ☑ YES ☐ NO				
Jurisdictional Wetlands Impacted: ☐YES ☑NO				
Forest Retention Area Impacted: ☐ YES ☑ NO				
Conservation Easement Impacted: ☐YES ☑NO				
Utilities Present: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other				
Utilities Impacted: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other				
Impacted Utilities: Above Gound Underground				
Critical Area Impacted: ☐ YES ☑ NO				
Mature / Specimen Trees Impacted: ☐ YES ☑ NO				
Existing Landscaping Impacted:				
Underdrain Needed: ☑ YES ☐ NO Underdrains Can Discharge: ☑ YES ☐ NO				
Soils are Suitable: ☑ YES ☐ NO Ground Water Table Level Suitable: ☑ YES ☐ NO				
Estimate IMP / BMP drainage area included on site: 0.49 ac 100%				
Retrofit of Existing SWM BMP				
SDI ID: Add Forebay: DNO				
Modify Outlet Stucture: ☐ YES ☐ NO Add Aquatic Bench: ☐ YES ☐ NO				
Grade Bottom of Facility: ☐ YES ☐ NO Plant Native Vegetation: ☐ YES ☐ NO				
Provide Additional Storage Volume: TYES NO				
Excavation / Raise the Embankment:				

IMP / BMP ID: 3	Site ID: LHIC	Catchment ID: BB05

IMP /	BMP SUMMAR	Y	
WQ _v (provided): 0.033		0.033	Re _v (provided): 0.004
Area T	reated (ac):	0.49	Impervious Area Treated (ac): 0.42
Photo	graphs		
No.	875	Description:	looking west
No.	876	Description:	looking east
No.		Description:	
Comm	nents IMF ze = 2,871 sq ft	treats 99% of the drainage a	rea





Catchment ID: BB05

IMP / BMP ID: 4	Site ID: LHIC	Catchment ID: BB05

New LID IMP U SWM BMP Retrofit 니 New SWM BMP 니 Type (Sheets 4 & 5): <u>39</u>				
State Plane Coordinates of IMP / BMP Centroid: X: Y:				
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map				
Identify all Impairments Addressed by Recommendation (Sheet 1): 1, 2, 3, 4, 7, 16				
Treatment Area Ownership: ☐ Transportation ROW ☐ Utility ROW ☐ County ☐ Other Government ☑ Private ☐ Other				
Infrastructure / Structures / Buildings Impacted: ☐ YES ☑ NO				
Limited Impact to Adjacent Properties: ☑ YES ☐ NO				
Area Accessible for Construction: ☑ YES ☐ NO				
Area Accessible for Maintenance: ✓ YES NO				
Limited Permitting Issues: VYES NO				
Jurisdictional Wetlands Impacted: ☐ YES ☑ NO				
Forest Retention Area Impacted: VES NO				
Conservation Easement Impacted: ☐ YES ☑ NO				
Utilities Present: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other				
Utilities Impacted: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other				
Impacted Utilities: Above Gound Underground				
Critical Area Impacted: ☐ YES ☑ NO				
Mature / Specimen Trees Impacted: ☐ YES ☑ NO				
Existing Landscaping Impacted: TYES VINO				
Underdrain Needed: ☑ YES ☐ NO Underdrains Can Discharge: ☑ YES ☐ NO				
Soils are Suitable: ☑ YES ☐ NO Ground Water Table Level Suitable: ☑ YES ☐ NO				
Estimate IMP / BMP drainage area included on site: 0.94 ac 100%				
Retrofit of Existing SWM BMP				
SDI ID: Add Forebay: DNO				
Modify Outlet Stucture: ☐ YES ☐ NO Add Aquatic Bench: ☐ YES ☐ NO				
Grade Bottom of Facility: ☐ YES ☐ NO Plant Native Vegetation: ☐ YES ☐ NO				
Provide Additional Storage Volume: TYES NO				
Excavation / Raise the Embankment:				

IMP / BMP ID: 4	Site ID: LHIC	Catchment ID: BB05

IMP/BN	MP SUMMARY			
WQ _v (provided): 0.069		0.069	Re _v (provided):	0.009
Area Trea	ated (ac):	0.94	Impervious Area Treated (ac):	0.87
Photogr	aphs			
No.	877	_ Description:	looking south	
No.	878	_ Description:	looking north	
No.		_ Description:		
No.		_ Description:		
No.		_ Description:		
No.		_ Description:		
No.		_ Description:		
No.		_ Description:		
Comme	nts			
IMP size	= 6,032 sq ft			





IMP / BMP ID: 5	Site ID: LHIC	Catchment ID: BB05

New LID IMP ✓ SWM BMP Retrofit ✓ New SWM BMP ✓ Type (Sheets 4 & 5): 39				
State Plane Coordinates of IMP / BMP Centroid: X: Y:				
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map				
Identify all Impairments Addressed by Recommendation (Sheet 1): 1, 2, 3, 4, 7, 16				
Treatment Area Ownership: ☐ Transportation ROW ☐ Utility ROW ☐ County ☐ Other Government ☑ Private ☐ Other				
Infrastructure / Structures / Buildings Impacted: ☐ YES ☑ NO				
Limited Impact to Adjacent Properties: ☑ YES ☐ NO				
Area Accessible for Construction: ✓ YES NO				
Area Accessible for Maintenance: ☑ YES ☐ NO				
Limited Permitting Issues: ☑ YES ☐ NO				
Jurisdictional Wetlands Impacted: ☐ YES ☑ NO				
Forest Retention Area Impacted: VES NO				
Conservation Easement Impacted: ☐ YES ☑ NO				
Utilities Present: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other				
Utilities Impacted: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other				
Impacted Utilities: Above Gound Underground				
Critical Area Impacted: ☐ YES ☑ NO				
Mature / Specimen Trees Impacted: ☐ YES ☑ NO				
Existing Landscaping Impacted:				
Underdrain Needed: ☑ YES ☐ NO Underdrains Can Discharge: ☑ YES ☐ NO				
Soils are Suitable: ☑ YES ☐ NO Ground Water Table Level Suitable: ☑ YES ☐ NO				
Estimate IMP / BMP drainage area included on site: 0.71 ac 100%				
Retrofit of Existing SWM BMP				
SDI ID: Add Forebay: DNO				
Modify Outlet Stucture: ☐ YES ☐ NO Add Aquatic Bench: ☐ YES ☐ NO				
Grade Bottom of Facility: ☐ YES ☐ NO Plant Native Vegetation: ☐ YES ☐ NO				
Provide Additional Storage Volume: TYES NO				
Excavation / Raise the Embankment:				

IMP / BMP ID: 5	Site ID: LHIC	Catchment ID: BB05

IMP /	BMP SUMMARY		
WQ _v (provided): 0.		0.052	Re _v (provided): 0.007
Area T	reated (ac):	0.71	Impervious Area Treated (ac): 0.66
Photo	graphs		
No.	879	Description:	looking south
No.	880	Description:	looking east
No.		Description:	
Comn	nents		
IMP siz	ze = 4,765 sq ft		

IMP / BMP ID: 5 Site ID: LHIC Catchment ID: BB05

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 3 -- Opportunities and Constraints of Potential Management Practice





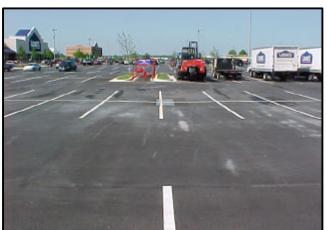
IMP / BMP ID: 6	Site ID: LHIC	Catchment ID: BB05

New LID IMP □ SWM BMP Retrofit □ New SWM BI	MP
State Plane Coordinates of IMP / BMP Centroid:	X:Y:
Sketch Location of Footprint (with Approximate Dimensions)	and Drainage Boundary on Site Map
Identify all Impairments Addressed by Recommendation (She	eet 1): <u>1, 2, 3, 4, 7, 16</u>
Treatment Area Ownership: Transportation ROW Utility RO	W ☐ County ☐ Other Government ✓ Private
Infrastructure / Structures / Buildings Impacted: ☐ YES ☑	NO
Limited Impact to Adjacent Properties: ✓ YES NO	
Area Accessible for Construction: ✓ YES NO	
Area Accessible for Maintenance: ☑ YES ☐ NO	
Limited Permitting Issues: ☑ YES ☐ NO	
Jurisdictional Wetlands Impacted: ☐ YES ☑ NO	
Forest Retention Area Impacted: YES NO	
Conservation Easement Impacted: ☐ YES ☑ NO	
Utilities Present: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐	Cable Water Sewer Other
Utilities Impacted: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐	Cable Water Sewer Other
Impacted Utilities: Above Gound	
Critical Area Impacted: YES NO	
Mature / Specimen Trees Impacted: ☐ YES ☑ NO	
Existing Landscaping Impacted: YES NO	
Underdrain Needed: ☑ YES ☐ NO Underdrains	Can Discharge: ☑ YES ☐ NO
Soils are Suitable: YES NO Ground Water	er Table Level Suitable: ☑YES ☐NO
Estimate IMP / BMP drainage area included on site:	<u>0.69</u> ac <u>100%</u>
Retrofit of Existing SWM BMP	
SDI ID: Add Fe	orebay: ☐ YES ☐ NO
Modify Outlet Stucture: ☐ YES ☐ NO Add A	quatic Bench: ☐ YES ☐ NO
Grade Bottom of Facility: ☐ YES ☐ NO Plant I	Native Vegetation: ☐ YES ☐ NO
Provide Additional Storage Volume: TYES TO NO	
Excavation / Raise the Embankment:	

IMP / BMP ID: 6	Site ID: LHIC	Catchment ID: BB05

IMP /	BMP SUMMAR	Υ	
WQ _v (ړ	orovided):	0.043	Re _v (provided): 0.006
Area T	reated (ac):	0.69	Impervious Area Treated (ac):0.54
Photo	ographs		
No.	881	Description:	looking west
No.	882	Description:	looking north
No.		Description:	
Comr IMP si	nents <u>IMP</u> ze = 3,717 sq ft	treats 99% of the drainage a	ırea





IMP / BMP ID: 7	Site ID: LHIC	Catchment ID: BB05

New LID IMP ✓ SWM BMP Retrofit ✓ New SWM BMP ✓ Type (Sheets 4 & 5): 39
State Plane Coordinates of IMP / BMP Centroid: X: Y:
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map
Identify all Impairments Addressed by Recommendation (Sheet 1): 1, 2, 3, 4, 7, 16
Treatment Area Ownership: ☐ Transportation ROW ☐ Utility ROW ☐ County ☐ Other Government ☑ Private ☐ Other
Infrastructure / Structures / Buildings Impacted: ☐ YES ☑ NO
Limited Impact to Adjacent Properties: ☑ YES ☐ NO
Area Accessible for Construction: ✓ YES NO
Area Accessible for Maintenance: ☑ YES ☐ NO
Limited Permitting Issues: ✓ YES ☐ NO
Jurisdictional Wetlands Impacted: ☐YES ☑NO
Forest Retention Area Impacted: ☐ YES ☑ NO
Conservation Easement Impacted: ☐YES ☑NO
Utilities Present: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other
Utilities Impacted: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other
Impacted Utilities: Above Gound Underground
Critical Area Impacted: ☐ YES ☑ NO
Mature / Specimen Trees Impacted: ☐ YES ☑ NO
Existing Landscaping Impacted:
Underdrain Needed: ☑ YES ☐ NO Underdrains Can Discharge: ☑ YES ☐ NO
Soils are Suitable: ☑ YES ☐ NO Ground Water Table Level Suitable: ☑ YES ☐ NO
Estimate IMP / BMP drainage area included on site: 0.70 ac 100%
Retrofit of Existing SWM BMP
SDI ID: Add Forebay: DNO
Modify Outlet Stucture: ☐ YES ☐ NO Add Aquatic Bench: ☐ YES ☐ NO
Grade Bottom of Facility: ☐ YES ☐ NO Plant Native Vegetation: ☐ YES ☐ NO
Provide Additional Storage Volume: YES NO
Excavation / Raise the Embankment:

IMP / BMP ID: 7	Site ID: LHIC	Catchment ID: BB05

IMP /	BMP SUMMARY	,		
WQ _v (p	orovided):	0.046	Re _v (provided):	0.006
Area T	reated (ac):	0.70	Impervious Area Treated (ac):	0.54
Photo	graphs			
No.	883	Description:	looking west	
No.	884	Description:	looking north	
No.		Description:		
Comn IMP siz	nents <u>IMP t</u> ze = 3,921 sq ft	treats 99% of the drainage a	irea	

IMP / BMP ID: 7 Site ID: LHIC Catchment ID: BB05

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 3 -- Opportunities and Constraints of Potential Management Practice





IMP / BMP I	D: <u>8</u>	Site ID: LHIC	Catchment ID: BB05

New LID IMP \boxtimes SWM BMP Retrofit \square New S	WM BMP □ Ty	pe (Sheets 4 & 5):	39
State Plane Coordinates of IMP / BMP Centroid:	X:	Y:	
Sketch Location of Footprint (with Approximate Dimension	sions) and Drainage B	oundary on Site M	ар
Identify all Impairments Addressed by Recommendation	n (Sheet 1): <u>1, 2,</u>	3, 4, 7, 16	
Treatment Area Ownership: Transportation ROW Other	Utility ROW County	Other Government	✓ Private
Infrastructure / Structures / Buildings Impacted:	ES 🔽 NO		
Limited Impact to Adjacent Properties: ☐ YES ☐ NO			
Area Accessible for Construction: ✓ YES NO			
Area Accessible for Maintenance: ☑ YES ☐ NO			
Limited Permitting Issues: ☑ YES ☐ NO			
Jurisdictional Wetlands Impacted: ☐YES ☑NO			
Forest Retention Area Impacted:			
Conservation Easement Impacted: ☐YES ☑NO			
Utilities Present: ☐ None ☐ Natural Gas ☑ Electric ☐ Telep	hone Cable Water	Sewer Other	
Utilities Impacted: ☐ None ☐ Natural Gas ☑ Electric ☐ Telep	hone Cable Water	Sewer Other	
Impacted Utilities: Above Gound			
Critical Area Impacted: ☐ YES ☑ NO			
Mature / Specimen Trees Impacted: ☐ YES ☑ NO			
Existing Landscaping Impacted: YES NO			
Underdrain Needed: ☑ YES ☐ NO Underd	drains Can Discharge:	✓ YES NO	
Soils are Suitable: ☑YES ☐NO Ground	d Water Table Level S	Suitable: 🔽 YES	NO
Estimate IMP / BMP drainage area included on site:	ac		100%
Retrofit of Existing SWM BMP			
SDI ID:	Add Forebay: ☐ _{YE}	S NO	
Modify Outlet Stucture: ☐ YES ☐ NO	Add Aquatic Bench:	YES NO	
Grade Bottom of Facility: ☐YES ☐NO	Plant Native Vegetation	on: YES NO	
Provide Additional Storage Volume: YES NO			
Excavation / Raise the Embankment: YES NO			

	IMP / BMP ID: 8	Site ID: LHIC	Catchment ID: BB05
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IMP /	BMP SUMMARY			
WQ _v (p	orovided):	0.038	Re _v (provided):	0.005
Area T	reated (ac):	0.78	Impervious Area Treated (ac):	0.47
Photo	graphs			
No.	885	Description:	looking west	
No.	886	Description:	looking north	
No.		Description:		
Comn	nents			
IMP si	ze = 4,310 sq ft			

IMP / BMP ID: 8 Site ID: LHIC Catchment ID: BB05

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 3 -- Opportunities and Constraints of Potential Management Practice





IMP /	BMP ID: 9	Site ID: LHIC	Catchment ID: BB05

New LID IMP ✓ SWM BMP Retrofit ✓ New SWM BMP ✓ Type (Sheets 4 & 5): 39					
State Plane Coordinates of IMP / BMP Centroid: X: Y:					
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map					
Identify all Impairments Addressed by Recommendation (Sheet 1): 1, 2, 3, 4, 7, 16					
Treatment Area Ownership: ☐ Transportation ROW ☐ Utility ROW ☐ County ☐ Other Government ☑ Private ☐ Other					
Infrastructure / Structures / Buildings Impacted: ☐ YES ☑ NO					
Limited Impact to Adjacent Properties: ☑ YES ☐ NO					
Area Accessible for Construction: ☑ YES ☐ NO					
Area Accessible for Maintenance: ☑ YES ☐ NO					
Limited Permitting Issues: VYES NO					
Jurisdictional Wetlands Impacted: ☐ YES ☑ NO					
Forest Retention Area Impacted: TYES NO					
Conservation Easement Impacted: ☐ YES ☑ NO					
Utilities Present: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other					
Utilities Impacted: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other					
Impacted Utilities: Above Gound Underground					
Critical Area Impacted: ☐ YES ☑ NO					
Mature / Specimen Trees Impacted: ☐ YES ☑ NO					
Existing Landscaping Impacted:					
Underdrain Needed: ☑ YES ☐ NO Underdrains Can Discharge: ☑ YES ☐ NO					
Soils are Suitable: ☑YES ☐NO Ground Water Table Level Suitable: ☑YES ☐NO					
Estimate IMP / BMP drainage area included on site:acac100%					
Retrofit of Existing SWM BMP					
SDI ID: Add Forebay: DNO					
Modify Outlet Stucture: ☐ YES ☐ NO Add Aquatic Bench: ☐ YES ☐ NO					
Grade Bottom of Facility: ☐ YES ☐ NO Plant Native Vegetation: ☐ YES ☐ NO					
Provide Additional Storage Volume: YES NO					
Excavation / Raise the Embankment:					

IMP / BMP ID: 9	Site ID: LHIC	Catchment ID: BB05	

IMP /	BMP SUMMARY			
WQ _v (provided):		0.086	Re _v (provided):	
Area T	reated (ac):	1.34	Impervious Area Treated (ac):	1.08
Photo	graphs			
No.	887	_ Description:	looking west	
No.	888	_ Description:	looking north	
No.		_ Description:		
No.		_ Description:		
No.		_ Description:		
No.		Description:		
No.		_ Description:		
No.		_ Description:		
Comn	nents			
IMP siz	ze = 8,203 sq ft			





Catchment ID: BB05

IMP / BMP ID: 10 Site ID: LHIC Catchment ID: BB05

New LID IMP ✓ SWM BMP Retrofit ✓ New SWM BMP ✓ Type (Sheets 4 & 5): 5					
State Plane Coordinates of IMP / BMP Centroid: X: Y:					
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map					
Identify all Impairments Addressed by Recommendation (Sheet 1): 1, 7, 16					
Treatment Area Ownership: ☐ Transportation ROW ☐ Utility ROW ☐ County ☐ Other Government ☑ Private ☐ Other					
Infrastructure / Structures / Buildings Impacted: ☐ YES ☑ NO					
Limited Impact to Adjacent Properties: ☑ YES ☐ NO					
Area Accessible for Construction: ☑ YES ☐ NO					
Area Accessible for Maintenance: VYES NO					
Limited Permitting Issues: ☑ YES ☐ NO					
Jurisdictional Wetlands Impacted: ☐ YES ☑ NO					
Forest Retention Area Impacted: TYES INO					
Conservation Easement Impacted: TYES VNO					
Utilities Present: ✓ None ☐ Natural Gas ☐ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other					
Utilities Impacted: ☑ None ☐ Natural Gas ☐ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other					
Impacted Utilities:					
Critical Area Impacted: YES NO					
Mature / Specimen Trees Impacted: ☐ YES ☑ NO					
Existing Landscaping Impacted: YES NO					
Underdrain Needed: ☐ YES ☑ NO Underdrains Can Discharge: ☐ YES ☐ NO					
Soils are Suitable: Tes No Ground Water Table Level Suitable: Tes No					
Estimate IMP / BMP drainage area included on site:acac100%					
Retrofit of Existing SWM BMP					
SDI ID: Add Forebay:NO					
Modify Outlet Stucture: ☐ YES ☐ NO Add Aquatic Bench: ☐ YES ☐ NO					
Grade Bottom of Facility: ☐ YES ☐ NO Plant Native Vegetation: ☐ YES ☐ NO					
Provide Additional Storage Volume: TYES NO					
Excavation / Raise the Embankment:					

IMP / BMP ID: 10 Site ID: LHIC Catchment ID: BB05

IMP / BMP SU	MMARY			
WQ _v (provided): n/a			Re _v (provided): n/a	
Area Treated (a	c): <u>n/a</u>		Impervious Area Treated (ac): n/a	
Photographs				
No. <u>889</u>		Description:	looking west to garden center	
No		Description:		
Comments directly to the store		arrel/cistern could be ເ	used at each downspout. The downspouts go	

Catchment ID: BB05



889

IMP / BMP ID: 11	Site ID: LHIC	Catchment ID: BB05

New LID IMP ✓ SWM BMP Retrofit ✓ New SWM BMP ✓ Type (Sheets 4 & 5): 38				
State Plane Coordinates of IMP / BMP Centroid: X: Y:				
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map				
Identify all Impairments Addressed by Recommendation (Sheet 1): 1, 2, 3, 4, 7, 16				
Treatment Area Ownership: ☐ Transportation ROW ☐ Utility ROW ☐ County ☐ Other Government ☑ Private ☐ Other				
Infrastructure / Structures / Buildings Impacted: ☐ YES ☑ NO				
Limited Impact to Adjacent Properties: ☑ YES ☐ NO				
Area Accessible for Construction: ☑ YES ☐ NO				
Area Accessible for Maintenance: ☑ YES ☐ NO				
Limited Permitting Issues: ✓ YES ☐ NO				
Jurisdictional Wetlands Impacted: ☐YES ☑NO				
Forest Retention Area Impacted: ☐ YES ☑ NO				
Conservation Easement Impacted: ☐YES ☑NO				
Utilities Present: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other				
Utilities Impacted: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other				
Impacted Utilities: Above Gound Underground				
Critical Area Impacted: ☐ YES ☑ NO				
Mature / Specimen Trees Impacted: ☐ YES ☑ NO				
Existing Landscaping Impacted:				
Underdrain Needed: ☐ YES ☑ NO Underdrains Can Discharge: ☑ YES ☐ NO				
Soils are Suitable: ☑ YES ☐ NO Ground Water Table Level Suitable: ☑ YES ☐ NO				
Estimate IMP / BMP drainage area included on site: 0.19 ac 100%				
Retrofit of Existing SWM BMP				
SDI ID: Add Forebay: DNO				
Modify Outlet Stucture: ☐ YES ☐ NO Add Aquatic Bench: ☐ YES ☐ NO				
Grade Bottom of Facility: ☐ YES ☐ NO Plant Native Vegetation: ☐ YES ☐ NO				
Provide Additional Storage Volume: YES NO				
Excavation / Raise the Embankment:				

IMP / BMP ID: 11 Site ID: LHIC Catchment ID: BB05

SUMMARY	′	
WQ _v (provided): 0.011 Area Treated (ac): 0.19		Re _v (provided): 0.001
		Impervious Area Treated (ac): 0.14
hs		
90	Description:	looking west
91	Description:	looking east
	Description:	
s <u>Cons</u> 3,880 sq ft	struct facility in bituminous o	r grass.
	ded): ed (ac): phs 90 91 S Cons	phs 90 Description:

IMP / BMP ID: 11 Site ID: LHIC Catchment ID: BB05

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 3 -- Opportunities and Constraints of Potential Management Practice





IMP / BMP ID: 12 Site ID: LHIC Catchment ID: BB05

New LID IMP ☑ SWM BMP Retrofit ☐ New S	WM BMP □ Type (She	eets 4 & 5): <u>38</u>		
State Plane Coordinates of IMP / BMP Centroid:	X:	Y:		
Sketch Location of Footprint (with Approximate Dimensional Control of Control	sions) and Drainage Boundar	ry on Site Map		
Identify all Impairments Addressed by Recommendation	n (Sheet 1): 1, 2, 3, 4, 7	, 16		
Treatment Area Ownership: Transportation ROW Other	Jtility ROW County Other	er Government 🔽 Private		
Infrastructure / Structures / Buildings Impacted:	ES VNO			
Limited Impact to Adjacent Properties: ☐ YES ☐ NO				
Area Accessible for Construction: ✓ YES NO				
Area Accessible for Maintenance: ☑YES ☐NO				
Limited Permitting Issues: ☑ YES ☐ NO				
Jurisdictional Wetlands Impacted: ☐YES ☑NO				
Forest Retention Area Impacted: TYES VIO				
Conservation Easement Impacted: ☐YES ☑NO				
Utilities Present: ☐ None ☐ Natural Gas ☑ Electric ☐ Telep	none Cable Water Sewe	er Other		
Utilities Impacted: ☐ None ☐ Natural Gas ☑ Electric ☐ Telep	none Cable Water Sewe	er Other		
Impacted Utilities:				
Critical Area Impacted: ☐ YES ☑ NO				
Mature / Specimen Trees Impacted: ☐ YES ☑ NO				
Existing Landscaping Impacted: ✓ YES NO				
Underdrain Needed: ☐ YES ☑ NO Underdrains Can Discharge: ☑ YES ☐ NO				
Soils are Suitable: ✓ YES ☐ NO Ground	d Water Table Level Suitable	: ✓YES □NO		
Estimate IMP / BMP drainage area included on site:	<u>0.28</u> ac	100%		
Retrofit of Existing SWM BMP				
SDI ID:	Add Forebay: ☐YES ☐N	NO		
Modify Outlet Stucture: ☐ YES ☐ NO	Add Aquatic Bench: YES	□NO		
Grade Bottom of Facility: ☐ YES ☐ NO	Plant Native Vegetation:	YES NO		
Provide Additional Storage Volume: TYES NO				
Excavation / Raise the Embankment:				
IMP / BMP ID: <u>12</u>	Site ID: LHIC Car	tchment ID: BB05		

IMP / BI	MP SUMMAR	Y		
WQ _v (provided): 0.018		0.018	Re _v (provided):	0.001
Area Tre	eated (ac):	0.28	Impervious Area Treated (ac):	0.23
Photog	raphs			
No.	892	Description	looking west	
No.	893	Description	looking east	
No.		Description		
	ents Consts 90% of the december = 3,507 sq ft	struct facility in bituminous rainage area	or grass.	

IMP / BMP ID: 12 Site ID: LHIC

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 3 -- Opportunities and Constraints of Potential Management Practice





Catchment ID: BB05

IMP / BMP ID: 13 Site ID: LHIC Catchment ID: BB05

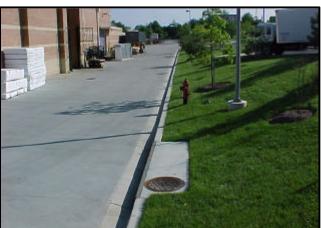
New LID IMP ✓ SWM BMP Retrofit ✓ New SWM BMP ✓ Type (Sheets 4 & 5): 41				
State Plane Coordinates of IMP / BMP Centroid: X: Y:				
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map				
Identify all Impairments Addressed by Recommendation (Sheet 1): 4				
Treatment Area Ownership: ☐ Transportation ROW ☐ Utility ROW ☐ County ☐ Other Government ☑ Private ☐ Other				
Infrastructure / Structures / Buildings Impacted: ☐ YES ☑ NO				
Limited Impact to Adjacent Properties: ☑ YES ☐ NO				
Area Accessible for Construction: ☑ YES ☐ NO				
Area Accessible for Maintenance: ☑ YES ☐ NO				
Limited Permitting Issues: ☑ YES ☐ NO				
Jurisdictional Wetlands Impacted: ☐ YES ☑ NO				
Forest Retention Area Impacted:				
Conservation Easement Impacted: TYES NO				
Utilities Present: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other				
Utilities Impacted: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other				
Impacted Utilities: Above Gound				
Critical Area Impacted: YES NO				
Mature / Specimen Trees Impacted: ☐ YES ☑ NO				
Existing Landscaping Impacted: VES NO				
Underdrain Needed: ☑ YES ☐ NO Underdrains Can Discharge: ☑ YES ☐ NO				
Soils are Suitable: Tes No Ground Water Table Level Suitable: Tes No				
Estimate IMP / BMP drainage area included on site: 0.11 ac 100%				
Retrofit of Existing SWM BMP				
SDI ID: Add Forebay: DNO				
Modify Outlet Stucture: ☐ YES ☐ NO Add Aquatic Bench: ☐ YES ☐ NO				
Grade Bottom of Facility: ☐ YES ☐ NO Plant Native Vegetation: ☐ YES ☐ NO				
Provide Additional Storage Volume: TYES NO				
Excavation / Raise the Embankment:				

IMP / BMP ID: 13 Site ID: LHIC Catchment ID: BB05

d):	0.008	Re _v (provided): 0.000
Area Treated (ac): 0.11		Impervious Area Treated (ac): 0.10
ıs		
4	Description:	looking northeast
5	_ Description:	looking south
	_ Description:	
There	s little space available due	e to utilities and retaining wall.
_	(ac):	(ac): 0.11 S Description:

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 3 -- Opportunities and Constraints of Potential Management Practice





IMP / BMP ID: 14 Site ID: LHIC Catchment ID: BB05

New LID IMP ✓ SWM BMP Retrofit ✓ New SWM BMP ✓ Type (Sheets 4 & 5): 38				
State Plane Coordinates of IMP / BMP Centroid: X: Y:				
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map				
Identify all Impairments Addressed by Recommendation (Sheet 1): 1, 2, 3, 4, 7, 16				
Treatment Area Ownership: ☐ Transportation ROW ☐ Utility ROW ☐ County ☐ Other Government ☑ Private ☐ Other				
Infrastructure / Structures / Buildings Impacted: ☐ YES ☑ NO				
Limited Impact to Adjacent Properties: ☑ YES ☐ NO				
Area Accessible for Construction: ✓ YES NO				
Area Accessible for Maintenance: ☑ YES ☐ NO				
Limited Permitting Issues: ☑ YES ☐ NO				
Jurisdictional Wetlands Impacted: ☐ YES ☑ NO				
Forest Retention Area Impacted: TYES NO				
Conservation Easement Impacted: ☐ YES ☑ NO				
Utilities Present: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other				
Utilities Impacted: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other				
Impacted Utilities: Above Gound Underground				
Critical Area Impacted: ☐ YES ☑ NO				
Mature / Specimen Trees Impacted: ☐ YES ☑ NO				
Existing Landscaping Impacted:				
Underdrain Needed: ☐ YES ☑ NO Underdrains Can Discharge: ☑ YES ☐ NO				
Soils are Suitable: ☑ YES ☐ NO Ground Water Table Level Suitable: ☑ YES ☐ NO				
Estimate IMP / BMP drainage area included on site: 0.08 ac 95%				
Retrofit of Existing SWM BMP				
SDI ID: Add Forebay: DNO				
Modify Outlet Stucture: ☐ YES ☐ NO Add Aquatic Bench: ☐ YES ☐ NO				
Grade Bottom of Facility: ☐ YES ☐ NO Plant Native Vegetation: ☐ YES ☐ NO				
Provide Additional Storage Volume: YES NO				
Excavation / Raise the Embankment:				

IMP / BMP ID: 14 Site ID: LHIC Catchment ID: BB05

IMP / BI	MP SUMMAR	Y	
WQ _v (provided): 0.006		0.006	Re _v (provided): 0.000
Area Tre	eated (ac):	0.09	Impervious Area Treated (ac): 0.07
Photog	raphs		
No.	896	Description:	looking north
No.	897	Description:	looking south
No.		Description:	
bioretent		tional treatment area is need	lirect flow. Runoff can be treated within existing ded, pavement can be removed and replaced with

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 3 -- Opportunities and Constraints of Potential Management Practice





IMP / BMP ID: 15 Site ID: LHIC Catchment ID: BB05

New LID IMP ■ SWM BMP Retrofit ■ New SWM BMP ■ Type (Sheets 4 & 5): 38				
State Plane Coordinates of IMP / BMP Centroid: X: Y:				
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map				
Identify all Impairments Addressed by Recommendation (Sheet 1): 1, 2, 3, 4, 7, 16				
Treatment Area Ownership: ☐ Transportation ROW ☐ Utility ROW ☐ County ☐ Other Government ☑ Private ☐ Other				
Infrastructure / Structures / Buildings Impacted: ☐ YES ☑ NO				
Limited Impact to Adjacent Properties: ☑ YES ☐ NO				
Area Accessible for Construction: ☑ YES ☐ NO				
Area Accessible for Maintenance: ☑ YES ☐ NO				
Limited Permitting Issues: ☑ YES ☐ NO				
Jurisdictional Wetlands Impacted: ☐ YES ☑ NO				
Forest Retention Area Impacted: TYES NO				
Conservation Easement Impacted: TYES NO				
Utilities Present: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other				
Utilities Impacted: ☐ None ☐ Natural Gas ☑ Electric ☐ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other				
Impacted Utilities: Above Gound Underground				
Critical Area Impacted: YES NO				
Mature / Specimen Trees Impacted: ☐ YES ☑ NO				
Existing Landscaping Impacted: YES NO				
Underdrain Needed: ☐ YES ☑ NO Underdrains Can Discharge: ☑ YES ☐ NO				
Soils are Suitable: ☑ YES ☐ NO Ground Water Table Level Suitable: ☑ YES ☐ NO				
Estimate IMP / BMP drainage area included on site:acac95%				
Retrofit of Existing SWM BMP				
SDI ID: Add Forebay:NO				
Modify Outlet Stucture: ☐ YES ☐ NO Add Aquatic Bench: ☐ YES ☐ NO				
Grade Bottom of Facility: ☐ YES ☐ NO Plant Native Vegetation: ☐ YES ☐ NO				
Provide Additional Storage Volume: YES NO				
Excavation / Raise the Embankment:				

IMP / BMP ID: 15 Site ID: LHIC Catchment ID: BB05

IMP /	BMP SUMMA	RY	
WQ _v (p	orovided):	0.024	Re _v (provided): 0.001
Area T	reated (ac):	0.35	Impervious Area Treated (ac): 0.30
Photo	ographs		
No.	898	Description:	looking south
No.	899	Description:	looking west
No.	900	Description:	looking east
No.	901	Description:	looking north
No.		Description:	
No.	-	Description:	
No.		Description:	
No.		Description:	
biorete		litional treatment area is neede	rect flow. Runoff can be treated within existing ed, pavement can be removed and replaced with

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 3 -- Opportunities and Constraints of Potential Management Practice





898 899



