

Catchment ID: UT07

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

Subwatershed: Unnamed Tributary				
Location of Catchment Centroid on ADC Map:	Year: 2000	Page: <u>17</u>	Grid: <u>J8</u>	
State Plane Coordinates of Outfall Location:	X: <u>1397776</u>	Y:	481634	
Closest Road Intersection to Outfall: Priest Brid	lge Road and Espey Cou	rt		
Outfall SDI ID or Outfall Description: unknown				
Objective: Demonstration / Impairment(s) (She	et 1)			
Drainage Area (ac): 1.7	_ Impervious Area	(ac): <u>1.4</u>		
Percent Impervious: 82%	Soil Recharge Fa	actor (S): 0.38		
WQ _v (required): 0.11	Re _v (required): 0	.04		
Predominant Land Use: commercial	Mean Depth to G	Ground Water:	unknown	
Sanitary System: Septic Municipal Sewer	Water Supply:	On Site Well	Public Water	
Storm Drainage System Within Catchme	nt			
Piped:Open Channels:	0%			
Area Drained by System: 100%				
Location in Catchment:	lle Lower 🗸 All			
Open Channel Lining- Vegetation: 0%	Riprap:	Concrete: 0%	Other:	0%
Existing IMP(s) / BMP(s)				
SDI ID: Type (number from Sh	eets 4 & 5):	Age:	_	
Closest Road Intersection to IMP / BMP:				
Catchment Area Treated (ac) :	Percentage C	Catchment Treated:		
WQ_v Provided: \square YES \square NO Re_v Provided:	ided: ☐ YES ☐ NO	C _p Provided:	YES NO	Э
SDI ID: Type (number from Sh	eets 4 & 5):	Age:	_	
Closest Road Intersection to IMP / BMP:				
Catchment Area Treated (ac) :	Percentage C	Catchment Treated:		
WQ_v Provided: \square YES \square NO Re_v Provi	ided: YES NO	C _p Provided:	YES NO	Э
SDI ID: Type (number from Sh	eets 4 & 5):	Age:	_	
Closest Road Intersection to IMP / BMP:				
Catchment Area Treated (ac) :	Percentage C	Catchment Treated:		
WQ_v Provided: \square YES \square NO Re_v Provided	ided: ☐ YES ☐ NO	C _p Provided:	YES NO	Э

Catchment ID: UT07

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

CATCHMENT SUM	CATCHMENT SUMMARY								
WQ _v (provided):	0.074	Re _v (provided) :	0.042						
Area Treated (ac):	1.3	Impervious Area Treated (ac):	Impervious Area Treated (ac): 1.3						
Area Treated (%):	76%	Impervious Area Treated (%):	93%						
Comments									

Site ID: <u>34</u> Catchment ID: <u>UT07</u>

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

Site Name:	Address: 2131 Espey Court
Site Owner:	
State Plane Coordinates of Site Centroid:	X: <u>1397896</u> Y: <u>481617</u> Date: <u>5/27/03</u>
Personnel: PM	Weather: cloudy, rain 65F deg
Area (ac): 1.7	Impervious Area (ac): 1.4
Percent Impervious: 86%	Soil Recharge Factor (S): 0.38
WQ _v (required): 0.11	Re _v (required): 0.04
Property Area (ac): 1.7	Property Area Included in Site: 100%
Amount of Catchment Occupied by Site:	100%
Storm Drainage System Within Site	
Storm Drainage System Within Site	Anna Durin ad has Oscalares 40000
Piped: 100% Open Channels	
Open Channel Lining - Vegetation:	Niprap: 0% Concrete: 0% Other: 0%
Existing IMP(s) / BMP(s) (Indentified	on Page 1, FORM 1, Catchment Information)
SDI ID:	Condition: Excellent Good Average Fair Poor
SDI ID:	Condition: Excellent Good Average Fair Poor
SDI ID:	Condition: Excellent Good Average Fair Poor
	
Site Information	
Type of Pavement:	crete Gravel Grid Pavers Other
Pavement Condition:	☐ Good ✓ Average ☐ Fair ☐ Poor
Underdrains can be easily directed to exist	sting storm drains or daylighted:
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:	Extensive Moderate Average Limited None
Steep Slopes Present:	☐ Moderate ☐ Average ☐ Limited ✓ None
Existing Landscaping:	✓ Moderate
Mature / Specimen Trees:	✓ Moderate
Area Available for Aboveground BMPs:	☐ Extensive ☐ Moderate ☐ Average ☐ Limited ☐ None
Existing Cover of Potential Aboveground	BMP Locations:

Site ID: <u>34</u> Catchment ID: <u>UT07</u>

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

Com	mercial / Insti	tutional				
Islands Present: ☑ YES ☐ NO Curb Present Around Island: ☑ YES ☐ NO						
Groun	nd Level of Islan	d Relative to Pavement:	Above Equal Below			
Island	Landscaping:	☐ Impervious ☐ Bare Earth ☐ Trees (<2 in. DBH)	☐ Gravel ☑ Grass ☑ Mulch ☐ Herb ☐ Trees (2 - 6 in. DBH) ☑ Trees (>6 in. DB	paceous Plants		
Trees	have sufficient	spacing to allow IMPs [YES VO			
Parkir	ng area that can	be directed to potential tre	eatment area with little grading:	<u>85%</u>		
SITE	SUMMARY					
WQ _v ((provided):	0.074	Re _v (provided):	0.042		
Area ⁻	Γreated (ac) :	1.3	Impervious Area Treated (ac):	1.3		
Area ⁻	Treated (%):	76%	Impervious Area Treated (%):	93%		
Photo	ographs 119	Description: looking	ng east along north side of property			
No.	120		ng south along west side of property			
No.	121		ng south along east side of property			
No.	122		ng west along north side of property			
No.	123		ng west along south side of property			
No.	124	Description: lookin	Description: looking north along east side of property			
No.	125	Description: looking north along west side of property				
No.	126	Description: looking east along south side of property				
No.		Description:				
No.		Description:				
Comi			ide of 2131. West side is more comme			
	However	, there does not appear to be	surplus parking.			

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





119 120





121 122





Site ID: 34 Catchment ID: UT07

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





IMP / BMP ID: 1	Site ID:	34	Catchment ID: UT07

New LID IMP ✓ SWM BMP Retrofit ☐ New SWM BMP ☐ Type (Sheets 4 & 5): 7
State Plane Coordinates of IMP / BMP Centroid: X: 1397898 Y: 481608
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map
Identify all Impairments Addressed by Recommendation (Sheet 1):
Treatment Area Ownership: Transportation ROW Utility ROW County Other Government Private
Infrastructure / Structures / Buildings Impacted:
Limited Impact to Adjacent Properties:
Area Accessible for Construction: YES NO
Area Accessible for Maintenance:
Limited Permitting Issues: VES NO
Jurisdictional Wetlands Impacted: YES NO
Forest Retention Area Impacted:
Conservation Easement Impacted:
Utilities Present:
Utilities Impacted:
Impacted Utilities:
Critical Area Impacted: YES VNO
Mature / Specimen Trees Impacted: ☐ YES ☑ NO
Existing Landscaping Impacted: YES VO
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: 0.37 ac 100%
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:
Excavation / Raise the Embankment:

	IMP / BMP ID: 1	Site ID:	34	Catchment ID: UT07	
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IMP / BMP SUMI	MARY			_		
WQ _v (provided):	unknown	<u></u>		Re _v (provided):	0.000	
Area Treated (ac):	0.3	7		Impervious Area Treated (ac):	0.37	
Photographs						
No. <u>127</u>		Description:	building			
No		Description:				
No		Description:				
No		Description:				
No		Description:				
No		Description:				
No		Description:				
No		Description:				
Comments						
IMP size = 16,203						



IMP /	BMP ID: 2	Site ID:	34	Catchment ID: UT07

New LID IMP ✓ SWM BMP Retrofit ☐ New SWM BMP ☐ Type (Sheets 4 & 5): 38
State Plane Coordinates of IMP / BMP Centroid: X: 1397801 Y: 481631
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map
Identify all Impairments Addressed by Recommendation (Sheet 1):
Treatment Area Ownership: Transportation ROW Utility ROW County Other Government Private
Infrastructure / Structures / Buildings Impacted:
Limited Impact to Adjacent Properties:
Area Accessible for Construction: YES NO
Area Accessible for Maintenance:
Limited Permitting Issues: VES NO
Jurisdictional Wetlands Impacted:
Forest Retention Area Impacted:
Conservation Easement Impacted:
Utilities Present:
Utilities Impacted:
Impacted Utilities:
Critical Area Impacted: YES VNO
Mature / Specimen Trees Impacted:
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: 0.15 ac 100%
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:
Excavation / Raise the Embankment:

IMP / BMP ID: 2 Site ID: 34 Catchment ID: UT07
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IMP/	BMP SUMMARY			
WQ _v (p	orovided):	0.006	Re _v (provided):	0.006
Area T	reated (ac):	0.08	Impervious Area Treated (ac):	0.08
Photo	graphs			
No.	140	Description:	looking north	
No.	141	Description:	looking west	
No.		Description:		
Comn	nents Biorei	tention provides 53% treatm	nent of drainage area as sized.	
11711 012	20 - 000 04 11			





IMP / BMP ID: 3	Site ID:	34	Catchment ID: UT07

New LID IMP ✓ SWM BMP Retrofit ☐ New SWM BMP ☐ Type (Sheets 4 & 5): 38
State Plane Coordinates of IMP / BMP Centroid: X: 1397750 Y: 481759
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map
Identify all Impairments Addressed by Recommendation (Sheet 1):
Treatment Area Ownership: Transportation ROW Utility ROW County Other Government Private
Infrastructure / Structures / Buildings Impacted:
Limited Impact to Adjacent Properties:
Area Accessible for Construction: YES NO
Area Accessible for Maintenance:
Limited Permitting Issues: YES VO
Jurisdictional Wetlands Impacted: YES VO
Forest Retention Area Impacted:
Conservation Easement Impacted:
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 VNO
Mature / Specimen Trees Impacted:
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: 0.04 ac 100%
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:
Excavation / Raise the Embankment:

IMP / BMP ID: 3	Site ID:	34	Catchment ID: UT07	

IMP / BMP SUM	MARY	
WQ _v (provided):	0.003	Re _v (provided): 0.003
Area Treated (ac):	0.04	Impervious Area Treated (ac): 0.04
Photographs		
No. <u>128</u>	Description:	looking south
No. <u>135</u>	Description:	looking east
No	Description:	
No	Description:	
No.	Description:	
Comments be needed to direct	-	rees during construction. "Speed bumps" will
IMP size = 278 sq	ft	





IMP / BMP ID: 4	Site ID:	34	Catchment ID: UT07	

New LID IMP ✓ SWM BMP Retrofit ☐ New SWM BMP ☐ Type (Sheets 4 & 5): 38
State Plane Coordinates of IMP / BMP Centroid: X: 1397817 Y: 481782
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map
Identify all Impairments Addressed by Recommendation (Sheet 1):
Treatment Area Ownership: Transportation ROW Utility ROW County Other Government Private
Infrastructure / Structures / Buildings Impacted:
Limited Impact to Adjacent Properties: ☑ YES ☐ NO
Area Accessible for Construction: YES NO
Area Accessible for Maintenance:
Limited Permitting Issues:
Jurisdictional Wetlands Impacted: YES VO
Forest Retention Area Impacted:
Conservation Easement Impacted:
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 VNO
Mature / Specimen Trees Impacted:
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 100%
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:
Excavation / Raise the Embankment:

IMP / BMP ID: 4	Site ID:	34	Catchment ID: UT07

IMP/	BMP SUMMARY		
WQ _v (provided): 0.006		0.006	Re _v (provided): 0.006
Area T	reated (ac):	0.08	Impervious Area Treated (ac): 0.08
Photo	ographs		
No.	129	Description:	looking south
No.	134	Description:	looking east
No.		Description:	
	nents Take eded to direct flow. ze = 528 sq ft	-	rees during construction. "Speed bumps" will





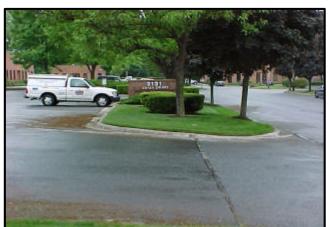
IMP / BMP ID: 5	Site ID:	34	Catchment ID: UT07

New LID IMP \square SWM BMP Retrofit \square New SWM BMP \square Type (Sheets 4 & 5): 38
State Plane Coordinates of IMP / BMP Centroid: X: 1397854 Y: 481795
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map
dentify all Impairments Addressed by Recommendation (Sheet 1):
Treatment Area Ownership: ☐ Transportation ROW ☐ Utility ROW ☐ County ☐ Other Government ☑ Private ☐ Other
nfrastructure / Structures / Buildings Impacted:
Limited Impact to Adjacent Properties: ☑ YES ☐ NO
Area Accessible for Construction: VES NO
Area Accessible for Maintenance:
Limited Permitting Issues: ☐ YES ☑ NO
Jurisdictional Wetlands Impacted:
Forest Retention Area Impacted:
Conservation Easement Impacted:
Jtilities Present : ☐ None ☐ Natural Gas ☑ Electric ☑ Telephone ☐ Cable ☑ Water ☐ Sewer ☐ Other
Jtilities Impacted: ☐ None ☐ Natural Gas ☑ Electric ☑ Telephone ☐ Cable ☐ Water ☐ Sewer ☐ Other
mpacted Utilities: Above Gound Underground
Critical Area Impacted: YES VNO
Mature / Specimen Trees Impacted:
Existing Landscaping Impacted:
Jnderdrain 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: 0.07 ac 100%
Retrofit of Existing SWM BMP
SDI ID: Add Forebay:NO
Modify Outlet Stucture:
Grade Bottom of Facility: Plant Native Vegetation: Strate No.
Provide Additional Storage Volume:
Excavation / Raise the Embankment:

IMP / BMP ID: 5	Site ID:	34	Catchment ID: UT07	

IMP/	BMP SUMMARY		
WQ_v (provided): 0.006		0.006	Re _v (provided): 0.006
Area T	reated (ac):	0.07	Impervious Area Treated (ac): 0.07
Photo	graphs		
No.	130	Description:	looking south
No.	133	Description:	looking west
No.		Description:	
	nents Take ded to direct flow. ze = 504 sq ft	·	rees during construction. "Speed bumps" will
		·	





IMP / BMP ID: 6	Site ID:	34	Catchment ID: UT07

New LID IMP ✓ SWM BMP Retrofit ☐ New SWM BMP ☐ Type (Sheets 4 & 5): 38
State Plane Coordinates of IMP / BMP Centroid: X: 1397917 Y: 481818
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map
Identify all Impairments Addressed by Recommendation (Sheet 1):
Treatment Area Ownership: Transportation ROW Utility ROW County Other Government Private
Infrastructure / Structures / Buildings Impacted:
Limited Impact to Adjacent Properties:
Area Accessible for Construction: VES NO
Area Accessible for Maintenance: VYES NO
Limited Permitting Issues: YES VNO
Jurisdictional Wetlands Impacted: YES NO
Forest Retention Area Impacted:
Conservation Easement Impacted:
Utilities Present: None Natural Gas Electric Telephone Cable Water Sewer Other
Utilities Impacted: None Natural Gas Electric Telephone
Impacted Utilities: Above Gound
Critical Area Impacted: YES VNO
Mature / Specimen Trees Impacted:
Existing Landscaping Impacted:
Underdrain Needed: ☐ YES ☑ NO Underdrains Can Discharge: ☐ YES ☐ NO
Soils are Suitable: VES NO Ground Water Table Level Suitable: VES NO
Estimate IMP / BMP drainage area included on site: 0.03 ac 100%
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:
Excavation / Raise the Embankment:

	IMP / BMP ID: 6	Site ID:	34	Catchment ID: UT07
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IMP / I	BMP SUMMAF	RY		
WQ _v (p	orovided):	0.003	Re _v (provided):	0.003
Area T	reated (ac):	0.03	Impervious Area Treated (ac):	0.03
Photo	graphs			
No.	131	Description:	looking south	
No.	132	Description:	looking east	
No.		Description:		
Comm		<u> </u>	rees during construction. "Speed bumps" will	
	ded to direct flo	N.		
IIVIP SIZ	ze = 236 sq ft			



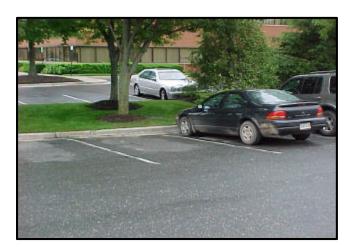


IMP / BMP ID: <u>7</u>	Site ID:	34	Catchment ID: UT07

New LID IMP ✓ SWM BMP Retrofit ☐ New SWM BMP ☐ Type (Sheets 4 & 5): 41
State Plane Coordinates of IMP / BMP Centroid: X: 1397964 Y: 481691
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map
Identify all Impairments Addressed by Recommendation (Sheet 1):
Treatment Area Ownership: Transportation ROW Utility ROW County Other Government Private
Infrastructure / Structures / Buildings Impacted:
Limited Impact to Adjacent Properties: ☑ YES ☐ NO
Area Accessible for Construction: YES NO
Area Accessible for Maintenance:
Limited Permitting Issues: VES NO
Jurisdictional Wetlands Impacted: YES VO
Forest Retention Area Impacted:
Conservation Easement Impacted:
Utilities Present:
Utilities Impacted:
Impacted Utilities:
Critical Area Impacted: YES VNO
Mature / Specimen Trees Impacted:
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: 0.17 ac 95%
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:
Excavation / Raise the Embankment:

IMP / BMP ID: 7	Site ID:	34	Catchment ID: UT07

IMP / BMP SUM	IMARY	
WQ _v (provided):	0.013	Re _v (provided): 0.000
Area Treated (ac)	:0.17_	Impervious Area Treated (ac): 0.17
Photographs		
No. <u>136</u>	Description:	looking southeast
No	Description:	
No.	Description:	
No	Description:	
Comments sized).	IMP/BMP Summary assumes 100	0% treatment of drainage area using Filterra (to be



IMP / BMP ID: 8	Site ID:	34	Catchment ID: UT07

New LID IMP ✓ SWM BMP Retrofit ☐ New SWM BMP ☐ Type (Sheets 4 & 5): 41
State Plane Coordinates of IMP / BMP Centroid: X: 1398004 Y: 481582
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map
Identify all Impairments Addressed by Recommendation (Sheet 1):
Treatment Area Ownership: Transportation ROW Utility ROW County Other Government Private
Infrastructure / Structures / Buildings Impacted:
Limited Impact to Adjacent Properties: ☑ YES ☐ NO
Area Accessible for Construction: VES NO
Area Accessible for Maintenance:
Limited Permitting Issues: VES NO
Jurisdictional Wetlands Impacted: YES NO
Forest Retention Area Impacted:
Conservation Easement Impacted:
Utilities Present:
Utilities Impacted:
Impacted Utilities:
Critical Area Impacted: YES VNO
Mature / Specimen Trees Impacted:
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: 0.22 ac 95%
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:
Excavation / Raise the Embankment:

IMP / BMP ID: 8	Site ID:	34	Catchment ID: UT07	

IMP / BMP SUM	MARY	
WQ _v (provided):	0.019	Re _v (provided): 0.000
Area Treated (ac):	0.23	Impervious Area Treated (ac): 0.23
Photographs		
No. <u>137</u>	Description:	looking east
No	Description:	
No.	Description:	
No	Description:	
No	Description:	
Comments sized).	IMP/BMP Summary assumed 10	00% treatment of drainage area using Filterra (to be



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Catchment ID: UT07

IMP / BMP ID: 9	Site ID:	34	Catchment ID: UT07

New LID IMP ✓ SWM BMP Retrofit ☐ New SWM BMP ☐ Type (Sheets 4 & 5): 38
State Plane Coordinates of IMP / BMP Centroid: X: 1397838 Y: 481532
Sketch Location of Footprint (with Approximate Dimensions) and Drainage Boundary on Site Map
Identify all Impairments Addressed by Recommendation (Sheet 1):
Treatment Area Ownership: Transportation ROW Utility ROW County Other Government Private
Infrastructure / Structures / Buildings Impacted:
Limited Impact to Adjacent Properties: ☑ YES ☐ NO
Area Accessible for Construction: YES NO
Area Accessible for Maintenance:
Limited Permitting Issues: VES NO
Jurisdictional Wetlands Impacted: YES VO
Forest Retention Area Impacted:
Conservation Easement Impacted:
Utilities Present:
Utilities Impacted:
Impacted Utilities:
Critical Area Impacted: YES VNO
Mature / Specimen Trees Impacted:
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: 0.23 ac 100%
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:
Excavation / Raise the Embankment:

IMP / BMP ID: 9	Site ID:	34	Catchment ID: UT07

IMP / B	MP SUMMARY			
WQ _v (provided): Area Treated (ac):		0.018	Re _v (provided):	0.018
		0.23	Impervious Area Treated (ac):	
Photog	graphs			
No.	138	Description:	looking west	
No.	139	Description:	looking south	
No.		Description:		
Comm	ents			
IMP size	e = 520 sq ft			



