



**Robert S. Crain Highway
Interchange at MD3
(MD3B)**

N
50 0 50 100 Feet

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

Subwatershed: Tributary 4

Location of Catchment Centroid on ADC Map: Year: 2001 Page: 15 Grid: G2

State Plane Coordinates of Outfall Location: X: 1392196 Y: 472136

Closest Road Intersection to Outfall: Robert S. Crain Highway and Belair Drive/Melford Boulevard

Outfall SDI ID or Outfall Description: SHA system - drains directly to stream

Objective: Demonstration / Impairment(s) (Sheet 1) _____

Drainage Area (ac): 6.0 Impervious Area (ac): 2.1

Percent Impervious: 35% Soil Recharge Factor (S): 0.24

WQ_v (required): 0.18 Re_v (required): 0.04

Predominant Land Use: paved road Mean Depth to Ground Water: >=5ft

Sanitary System: Septic Municipal Sewer Water Supply: On Site Well Public Water

Storm Drainage System Within Catchment

Piped: 15% Open Channels: 85%

Area Drained by System: 100%

Location in Catchment: Headwaters Middle Lower All

Open Channel Lining- Vegetation: 100% Riprap: 0% Concrete: 0% Other: 0%

Existing IMP(s) / BMP(s)

SDI ID: _____ Type (number from Sheets 4 & 5): _____ Age: _____

Closest Road Intersection to IMP / BMP: _____

Catchment Area Treated (ac) : _____ Percentage Catchment Treated: _____

WQ_v Provided: YES NO Re_v Provided: YES NO C_p Provided: YES NO

SDI ID: _____ Type (number from Sheets 4 & 5): _____ Age: _____

Closest Road Intersection to IMP / BMP: _____

Catchment Area Treated (ac) : _____ Percentage Catchment Treated: _____

WQ_v Provided: YES NO Re_v Provided: YES NO C_p Provided: YES NO

SDI ID: _____ Type (number from Sheets 4 & 5): _____ Age: _____

Closest Road Intersection to IMP / BMP: _____

Catchment Area Treated (ac) : _____ Percentage Catchment Treated: _____

WQ_v Provided: YES NO Re_v Provided: YES NO C_p Provided: YES NO

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

CATCHMENT SUMMARY

WQ_v (provided): _____

Re_v (provided) : _____

Area Treated (ac): _____

Impervious Area Treated (ac): _____

Area Treated (%): _____

Impervious Area Treated (%): _____

Comments

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

Site Name: US301/MD3 and Medford Road Address: Medford RoadSite Owner: State Highway AdministrationState Plane Coordinates of Site Centroid: X: 1392141 Y: 472660 Date: 4/15/03Personnel: PM Weather: sunny, 85F degArea (ac): 4.8 Impervious Area (ac): 1.9Percent Impervious: 40% Soil Recharge Factor (S): 0.23WQ_v (required): 0.17 Re_v (required): 0.04Property Area (ac): 4.8 Property Area Included in Site: 100 %Amount of Catchment Occupied by Site: 80 %

Storm Drainage System Within Site

Piped: 15% Open Channels: 85% Area Drained by System: 100%Open Channel Lining - Vegetation: 100% Riprap: 0% Concrete: 0% Other: 0%

Existing IMP(s) / BMP(s) (Identified on Page 1, FORM 1, Catchment Information)

SDI ID: _____ Condition: Excellent Good Average Fair PoorSDI ID: _____ Condition: Excellent Good Average Fair PoorSDI ID: _____ Condition: Excellent Good Average Fair Poor

Site Information

Type of Pavement: Bituminous Concrete Gravel Grid Pavers Other _____Pavement Condition: Excellent Good Average Fair PoorUnderdrains can be easily directed to existing storm drains or daylighted: YES NOGutter/Exterior Downspouts Present: YES NORoof Connected Directly to Storm Drain: YES NORoof Drains onto Impervious Surface: YES NOObvious Existing Drainage Problems: Extensive Moderate Average Limited NoneSteep Slopes Present: Extensive Moderate Average Limited NoneExisting Landscaping: Extensive Moderate Average Limited NoneMature / Specimen Trees: Extensive Moderate Average Limited NoneArea Available for Aboveground BMPs: Extensive Moderate Average Limited NoneExisting Cover of Potential Aboveground BMP Locations: Grass Landscaped Gravel Other Pervious
 Pavement Other Impervious

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

Commercial / Institutional

Islands Present: YES NO

Curb Present Around Island: YES NO

Ground Level of Island Relative to Pavement: Above Equal Below

Island Landscaping: Impervious Bare Earth Gravel Grass Mulch Herbaceous Plants Shrubs
 Trees (<2 in. DBH) Trees (2 - 6 in. DBH) Trees (>6 in. DBH)

Trees have sufficient spacing to allow IMPs YES NO

Parking area that can be directed to potential treatment area with little grading: _____

SITE SUMMARY	
WQ _v (provided) : _____	Re _v (provided): _____
Area Treated (ac) : _____	Impervious Area Treated (ac): _____
Area Treated (%) : _____	Impervious Area Treated (%): _____

Photographs

- No. 604 Description: looking north along southbound ramp
- No. 605 Description: looking north between entrance/exit ramp
- No. 606 Description: looking east across entrance ramp to southbound lane
- No. _____ Description: _____
- No. _____ Description: _____
- No. _____ Description: _____
- No. _____ Description: _____
- No. _____ Description: _____
- No. _____ Description: _____

Comments

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



604



605



606