Photo Inventory

(By Camera)

Project: Peq

Group: JHW/KMB

Camera: FOA580

This field sheet is to be completed AS photos are taken in the field. The intent is to force us to organize pictures taken on a camera basis. Fill out one sheet per camera (add sheets as needed). Only fill in Date/Reach/Location ID when you start in a new spatial or temporal location.

Date	Stream/ Reach	Location ID	Photo #	Description
9/23	MPT09	OT1	001	8" clay pipe, dry
		RCH IB1/CM1	002	Riprap embankment (Left)
		IB1/CM1 RCH	003	" " (Right)
		OT2	004	24" RCP w/ flared outlet, dry, filled w/ rocks+ debris
		RCH	005	wetland area, well vegetated, stable banks
		OT3	006	Twin 4" PVC
		OT4	007	24" RCP, flared outlet
		OT4(A)	008	24" RCP, flared outlet NOT CONNECTED
		OT5	009	4x4" PVC
		RCH IB1/CM1	010	Upper reach of altered channel
		TR	011	bicycle
		OT6	012	2x4" PVC
		OT7	013	24" RCP flared end
		RCH	014	From OT7 D/S
		RCH	015	Design channel (left) v. Preferred ch. (right)

Date	Stream/ Reach	Location ID	Photo #	Description
		OT9	016	18" RCP flared end
		STR	017	2×24" RCP f. U/S
		OT10	018	24" RCP
		RCH	019	Lower Pond @ Governors Ridge
		OT11A	020	24" RCP
		OT11B	021	24" RCP
	MPT-25	SC-1	022	2×36" RCP
		SC-1	023	2×36" RCP
		RCH	024	Metal footbridge
		ER1	025	Erosion of left bank
		CM1	026	Stone channel
		SC2	027	Concrete box culvert
		SC3	028	36" RCP f. D/S
		SC3	029	48" CMP f. U/S + 8" CIP + 2×4" PVC
		ER2	030	R bank Erosion
		ER2	031	"

Comments:

SC-4 032 3×5 Box culvert f. D/S

(BACK)

Photo Inventory

(By Camera)

Project: Peg.

Group: JHW/BmB

Camera: FOA580

This field sheet is to be completed AS photos are taken in the field. The intent is to force us to organize pictures taken on a camera basis. Fill out one sheet per camera (add sheets as needed). Only fill in Date/Reach/Location ID when you start in a new spatial or temporal location.

Date	Stream/ Reach	Location ID	Photo #	Description
9/23	MPT-25	SC-4R	033	3'x5' Box culv + 12" CPP + 2x4" yard drains
		SC-4L	034	3x5 Box + 12" CPP + 1x4" YD
		RCH	035	Downed tree f. U/S
	MPT24	CM1	036	Gabion lined channel
		CM1	037	" " "
		IB1	038	Impacted buffer along P. lot
		IB1	039	" " " "
		RCH	040	Mid of CM1 f. D/S
		OT1	041	Tributary to MPT-24 open channel
		OT2	042	Trib to MPT-24 open channel
		OT3	043	24" CMP
		OT4	044	18" CPP
		SC1	045	3x60" RCP f. D/S
		RCH	046	POND from SC1 f. U/S
		OT5	047	24" CPP

Date	Stream/ Reach	Location ID	Photo #	Description
		SC1	048	From SC1 / Freehal Dr f. DS
		OT6	049	36" RCP flared end
		OT7	050	24" RCP flared end
		RCH/IB2	051	Spring Hill Rd within 20' R bank
		RCH	052	Floodplain area before Peg R f. D/S
		RCH	053	minor Headcutting near confl. w/ PR f. U/S
	MPT19	SC-1	054	. 36" CMP f. U/S
		SC1	055	30"x30" stone culv. f. D/S
		IB1	056	Plot next to stream
		?OT1	057	1° src of flow to MPT19 ? OT?
		SC2	058	buried 3x24" RCP.
		SC2	059	3x24" RCP
		RCH	060	Pond from SC2 f. U/S
		CM1	061	75' DS of SC3 f. U/S
		SC4	062	4' CMP squash culvert under RT. 25 f. U/S
		SC3	063	weir U/S of Pond f. U/S

Comments:

(BACK)

Photo Inventory

(By Camera)

Project: PEQUONNOCK

Group: KMB - CBC

Camera: CANON POWERSHOT - S80

This field sheet is to be completed AS photos are taken in the field. The intent is to force us to organize pictures taken on a camera basis. Fill out one sheet per camera (add sheets as needed). Only fill in Date/Reach/Location ID when you start in a new spatial or temporal location.

Date	Stream/ Reach	Location ID	Photo #	Description
	ISL-03		64	downstream - culvert
			65	upstream at culvert
			66	trash - cart, tire, bumper of car
			67	tires, cart, box, carpet
			68	1st pool
		OT-1	69	1st outfall - Rt - 1ft wide OT-1
			70	right bank - ER-01 - 15+ feet high
		ER-1	71	right bank - ER-01 - trash
			72	
		OT-2	73	OT-2 - right bank - effluent - milky - pooled & weir
			74	
			75	left bank - trash - barrels - refrigerator
		OT-3	76	OT-3 - no effluent
			77	stream opening - invasives - knotweed
		RCH	78	- orange-flowered vine

Date	Stream/ Reach	Location ID	Photo #	Description
		ISL-03-b	79	OT-2
		ISL-03-b	80	ER-1
		ISL-02	81	double-box culvert - Capitol Ave (NORTH END)
	Reach-	ISL-03-b	82	left bank - rip rap
	Reach	ISL-03-b	83	~~WA~~ no canopy - invasive banks
	OT-1	ISL-03-b	84	Aquarion parking lot Cement - rip rap - right bank
	SC-1	ISL-03b	85	

Comments:

(BACK)

Photo Inventory

(By Camera)

Project: PEQUONNOCK

Group: _____

Camera: _____

This field sheet is to be completed AS photos are taken in the field. The intent is to force us to organize pictures taken on a camera basis. Fill out one sheet per camera (add sheets as needed). Only fill in Date/Reach/Location ID when you start in a new spatial or temporal location.

Date	Stream/ Reach	Location ID	Photo #	Description
	ISL-01		86	INDUSTRIAL - FENCE - NO ACCESS
	ISL-01		87	DOUBLE BOX CULVERT

Date	Stream/ Reach	Location ID	Photo #	Description

Comments:

(BACK)

Photo Inventory

(By Camera)

Project: PEQUONNOCK

Group: _____

Camera: _____

This field sheet is to be completed AS photos are taken in the field. The intent is to force us to organize pictures taken on a camera basis. Fill out one sheet per camera (add sheets as needed). Only fill in Date/Reach/Location ID when you start in a new spatial or temporal location.

Date	Stream/ Reach	Location ID	Photo #	Description
	LPR-06/05		88	TRIPLE BOX CULVERT
	LPR-07	CM-01	89	CEMENT APRON & CEMENT BANK
	LPR-07	OT-01	90	OT-1 - CEMENT BANK
	LPR-07	IB-01	91	IMPACTED BUFFER - RIGHT BANK TENNIS COURT
	LPR-07	SC-01	92	BRIDGE TO WONDERLAND OF ICE
	LPR-07	OT-02	93	OT-02 - 20 FT in from right bank
	LPR-07	OT-03	94	OT-03 - CEMENT-BRICK
	LPR-07	OT-04	95	OT-04 - METAL-STONE - IRON SLIME
	LPR-07	OT-04	96	OT-04 - CLOSE-UP - IRON SLIME
	LPR-07	TR-01	97	TRASH FROM PARKING LOT LEAK-OFF
	LPR-07	OT-05	98	OT-05 - EFFLUENT - CEMENT
	LPR-07	OT-06	99	OT-06 - PIPE - IRON SLIME
	LPR-07	OT-06	100	OT-06 - CLOSE UP - IRON SLIME
	LPR-07	CM-02	101	FISH LADDER
	LPR-07	SC	102	BUNNELL'S DAM & FISH LADDER

Date	Stream/ Reach	Location ID	Photo #	Description

Comments:

(BACK)

Photo Inventory

(By Camera)

Project: Pequonnock

Group: _____

Camera: Canon 580

This field sheet is to be completed AS photos are taken in the field. The intent is to force us to organize pictures taken on a camera basis. Fill out one sheet per camera (add sheets as needed). Only fill in Date/Reach/Location ID when you start in a new spatial or temporal location.

Date	Stream/ Reach	Location ID	Photo #	Description
9/27/10	ISL-04	RCH	103/104	Start of Reach
"	ER-01	"	105	
"	IB-01	"	106	Dog Run - Rocks Piled into Stream
"	IB-01	"	107	Shed/Fence on side of Stream in Buffer zone
"	"	"	108	Fence on stream side (Right)
"	"	"	109	Fence on left side w/WALL
"	"	"	110	" " "
"	"	"	111	Rock wall + fence (chicken wire)
"	OT-01	"	112	white PVC Pipe (2) dripping water into Stream
"	SC-01	"	113	Rocks & Boulders
"	OT-02	"	114	green PVC
"	RCH	"	115	Wall + Fence
"	OT-03	"	116	Pipe
"	SC-02	"	117	overPass For Cars, Bottomless Box culvert
	OT-04	"	"	2 OTs in Box

Date	Stream/ Reach	Location ID	Photo #	Description
9/27/10	ISL-06	RCH CM-01	118	Walls on Both sides 15'x8'x4' Houses Both sides - Bridged
11	CM-01	CM-01	119	Cement Down Stream Walls on Both Sides - Collapse in some areas
		CM-01	120	upstream
11	11	CM-01	121	Cement channel Both sides
11	11	11	122	End of CM-01
11	11	ER-01	123	Bank erosion
	TR-01	IB-01 OT-01	124	TRASH + Large Green PVC Pipe
11	11	IT-01	125	Pipe
11	TR-02	SC-01	126	Bottomless Box Culvert (End)
	TR-02	11	127	Garbage

Comments:

(BACK)

Photo Inventory

(By Camera)

Project: P

Group: _____

Camera: Cannon A 580

This field sheet is to be completed AS photos are taken in the field. The intent is to force us to organize pictures taken on a camera basis. Fill out one sheet per camera (add sheets as needed). Only fill in Date/Reach/Location ID when you start in a new spatial or temporal location.

Date	Stream/ Reach	Location ID	Photo #	Description
9/29/10	ISL-12	Storm water pond	129	Drainage BASin Pond
	OT-01	/OT-02		BASin Buffer on side of Ball field
	IB 02		130	" "
	IB-02		131	Right side of BAnk
	IB-02		132	Mowed lAwn in front of Pond next to Ballfield
	OT-03		133	cement Pipe out Flow
	SC-01		134	Side of Playground (Flows under)
	OT-04		135	cement pipe - runoff From Tennis Court undercut bAnk
	OT-04		136	" "
	OT		137	Neighborhood drain

(BACK)

Photo Inventory

(By Camera)

Project: Pequonnock R.
Group: KMB/EMD
Camera: 580A Canon

This field sheet is to be completed AS photos are taken in the field. The intent is to force us to organize pictures taken on a camera basis. Fill out one sheet per camera (add sheets as needed). Only fill in Date/Reach/Location ID when you start in a new spatial or temporal location.

Date	Stream/ Reach	Location ID	Photo #	Description
10/07	UNB-03	RCH	138	Downstream end of reach
		1B-01	139	R-bank, impacted buffer
		SC-01	140	double culvert (48') bordered by riprap
		1B-02	141	some aquatic veg in stream
		OT-01	142	House at - from roof? denuded wetland area, weeds old piping
		RCH	143	Braided reach - duckweed noted upstream in stagnant pools
		SC-02	144	large stream crossing at old rail trail moderate veg. cover
		OT-02	145	Concrete ot, blocked w/ debris, old pipe in stream (48')
		1B-03	146	Residential garden built on bank
		RCH	148	Milk carton - rock filled res - made rip-rap
		RCH	150	" "
		SC-03	151	sc/patio for milk-crate res.
		1B-03 end	152	end of impacted res. buffer
		RCH	153	duckweed in pool
		RCH end	154	small dam constraining braid, inlet from N. Brook DS pond
RCH end			155	(BACK)
			156	- res/pond

Photo Inventory

(By Camera)

Project: _____

Group: KMB / EMD

Camera: Canon 580

This field sheet is to be completed AS photos are taken in the field. The intent is to force us to organize pictures taken on a camera basis. Fill out one sheet per camera (add sheets as needed). Only fill in Date/Reach/Location ID when you start in a new spatial or temporal location.

Date	Stream/ Reach	Location ID	Photo #	Description
10/05/10	SC01	UWB-01	158	
	OT01	↓	159	
	CT02		160	
	No FORMS		161–166	Stream Crossing on Garder Rd

(BACK)

Photo Inventory

(By Camera)

Project: Pagwonnock
Group: Kris, Erin, Josh
Camera: 580

This field sheet is to be completed AS photos are taken in the field. The intent is to force us to organize pictures taken on a camera basis. Fill out one sheet per camera (add sheets as needed). Only fill in Date/Reach/Location ID when you start in a new spatial or temporal location.

Date	Stream/ Reach	Location ID	Photo #	Description
10/05/10	UPR05	SC01	167	crossing - cutler farm's road
		CT-01	168	small culverts under road
		RCH	169	some gravel bars,
		TR1	170	trash on L bank
		RCH	169	channel widens, some braiding
		RCH	171	" "
		RCH	172-176	"
		RCH	177	Braided tributary/wetland drainage
		RCH	178-79	increasing slope, floodplain visible on L bank
		SC02	180	Park bridge
		SC02	181	u/s road crossing through stream
		ER01	182-183	Scour on left bank, riprap downstream
		CN01	184	rip rap L bank
		IB01	185	impacted buffer below rip rap
		IB-01	186-187	Impacted buffer w/ footbridge & end of reach @ Wolfe Park Beach

(BACK)

Photo Inventory

(By Camera)

Project: PEQR

Group: JHW, ZL

Camera: FO-S650

This field sheet is to be completed AS photos are taken in the field. The intent is to force us to organize pictures taken on a camera basis. Fill out one sheet per camera (add sheets as needed). Only fill in Date/Reach/Location ID when you start in a new spatial or temporal location.

Date	Stream/ Reach	Location ID	Photo #	Description
9/24/10	UBH 02	OT 1	7368	Tributary outfall
[illegible]	[illegible]	ER1	7369	Right bank erosion
		ER 1	7370	Left bank erosion.
		OT 2	7371	Right bank tributary
		IB 1	7372	Right bank impacted buffer
		SC 1	7373	Residential footbridge
		IB 2/CM1	7374	Stone wall channel, picture taken facing upstream
		RCH UBH02	7375	Twin RCP 72"
9/24/10	UBH01	RCH UBH01/ SC1	7376	"
		OT 1	7377	24" metal pipe in concrete
		IB1/CM1	7378	stone wall channel with step pools
		IB1/CM1	7379	Picture facing upstream
		SC2	7380	7' x 10' Driveway crossing. Pidure taken facing upstream
		SC 3	7381	Concrete Dam, breached
		ER1	7382	Right bank erosion

Date	Stream/ Reach	Location ID	Photo #	Description
9/24/10	UBH01	IB2	7383	Reinforced left bank
		IB2	7384	"
			7385	Minor left bank erosion
		IB3	7386	Lawn to bank of reinforced cock, left bank
		IB3	7387	"
		ER2	7388	Undercut bank
		SC4	7389	Concrete Road Bridge, Old dyke Rd
		OT2	7390	24" Metal pipe
			7391	Wooden Foot bridge
		IB4	7392	Lawn
		SC5	7393	3ft concrete dam
		ER3	7394	Right Bank erosion
9/24/10	UBH02	OT3	7396	Distant outfall from UBH02 24" CP
9/24/10	UBH03	SC1	7397	SC Road bridge, Old field Rd
		OT1	7398	Plastic pipe 24"
		OT2	7399	24" Cement Pipe from catch basin

Comments:

(BACK)

Photo Inventory

(By Camera)

Project: PEQR

Group: JHW, ZL

Camera: FO-S650

This field sheet is to be completed AS photos are taken in the field. The intent is to force us to organize pictures taken on a camera basis. Fill out one sheet per camera (add sheets as needed). Only fill in Date/Reach/Location ID when you start in a new spatial or temporal location.

Date	Stream/ Reach	Location ID	Photo #	Description
9/24/10	UBH03	ER1	7400	Erosion due to outfalls
		OT3	7401	24" Metal Pipe
		ER2	7402	Left bank erosion
		OT4	7403	Right bank outflow
		ER3	7404	Undercut right bank.

Date	Stream/ Reach	Location ID	Photo #	Description

Comments:

(BACK)

Photo Inventory

(By Camera)

Project: Pequonnock

Group: JHW/KAB

Camera: FOS650

This field sheet is to be completed AS photos are taken in the field. The intent is to force us to organize pictures taken on a camera basis. Fill out one sheet per camera (add sheets as needed). Only fill in Date/Reach/Location ID when you start in a new spatial or temporal location.

Date	Stream/ Reach	Location ID	Photo #	Description
9/27	THR01	SC01	101 7405	End of Reach → SC THR01
9/27	THR01	SC01	101 7406	Close Up Culvert
9/27	THR01	IB01	101 7407	Stream Overflow Containment Pond
9/27	THR01	RCH01	101 7408	Beginning of Reach THR01 Confluence Pequonnock
9/27	THR02	SC01	101 7409	Downstream View Beginning of THR02 = Culvert
9/27	THR02	ER01	101 7410	Upstream View Bankscour
"	"	"	101 7411	"
9/27	THR02	OT01	101 7412	Outfall from Stream
"	"	"	101 7413	Outfall Stream Side Culvert
"	"	"	101 7414	Outfall Above Culvert
9/27	THR02	ER02	7415	Bank Erosion
"	"	"	7416	"
"	"	"	7417	"
"	"	"	7418	"
"	"	"	7419	"

Date	Stream/ Reach	Location ID	Photo #	Description

Comments:

(BACK)

Photo Inventory

(By Camera)

Project: Pequannock

Group: JLW/KAB

Camera: Fin S650

This field sheet is to be completed AS photos are taken in the field. The intent is to force us to organize pictures taken on a camera basis. Fill out one sheet per camera (add sheets as needed). Only fill in Date/Reach/Location ID when you start in a new spatial or temporal location.

Date	Stream/ Reach	Location ID	Photo #	Description
9/27	THR02	OT2	101 7420	OutFall - Culvert Metal Set in Concrete
9/27	Thr02	SC01	101 7421	Road/Culvert Downstream Side
"	"	"	101 7422	"
9/27	THR02	SC01	101 7423	Road/Culvert Upstream Side
9/27	THR02	SC02	101 7424	Road/Culvert Downstream View
9/27	THR02	SC02	101 7425	Road/Culvert Upstream View
9/27	THR02	OT03	101 7426	Metal Culvert From Storm Drain
9/27	Thr02	ER03	101 7427	Eroded Bank (left side)
9/27	THr02	OT04	101 7428	4" PVC Playing Field Drain
9/27	THr02	CM01	101 7429	Monloved Stone Left Bank
9/27	Thr02	CM01	101 7430	Monloved Stone Right Bank
9/27	Thr02	CM01	101 7431	Monloved Stone
9/27	Thr02	SC03	101 7432	Dam
9/27	Thr02	SC03	101 7433	"
9/27	Thr04	SC01	101 7434 7435 7436	Culvert Dammed Downstream View

Date	Stream/ Reach	Location ID	Photo #	Description

Comments:

(BACK)

Photo Inventory

(By Camera)

Project: Pequonnock

Group: JHW

Camera: FD565D

This field sheet is to be completed AS photos are taken in the field. The intent is to force us to organize pictures taken on a camera basis. Fill out one sheet per camera (add sheets as needed). Only fill in Date/Reach/Location ID when you start in a new spatial or temporal location.

Date	Stream/ Reach	Location ID	Photo #	Description
9/27/10	MRR-01/02	RCH	7437	Limits of backwater to Burnell's Pond f. U/s
			7438	f. D/s
		RCH	7439	Typ Erosion @ access points to pond
			7440	" " "
10/5/10		OT2	7441	RT bank, 36" RCP from LT bank
10/5/10		OT 3	7442	RT bank, 60" RCP from LT bank
10/5/10		OT 4	7443	Left side, clay/concrete 12"
10/5/10		OT5	7449	Left side, clay/concrete, 12" from LT bank
		TR-01	7450	-Trash, LT side, from LT bank
		TR-01	7451 to 7452	-Trash, LT side, from LT bank / Trash near the pipe
		OT 6	7453	-cracked pipe. -No discharge, no trash, LT bank, LT side
		OT 7	7454	-Concrete pipe, -RT bank, LT side, 36", no discharge
		ER	7455	LT side, LT Bank, across from OT7
		ER	7456	" " " "
		ER	7457	Exposure of large rocks underneath the trunks.

(BACK)

Photo Inventory

(By Camera)

Project: _____

Group: _____

Camera: _____

This field sheet is to be completed AS photos are taken in the field. The intent is to force us to organize pictures taken on a camera basis. Fill out one sheet per camera (add sheets as needed). Only fill in Date/Reach/Location ID when you start in a new spatial or temporal location.

Date	Stream/ Reach	Location ID	Photo #	Description
10/5/10	MPR 01/02	OT 8	7458	-larger pipe, RT bank, LT side
10/5/10		OT 9	7459	-smaller pipe, " , "
10/5/10		Stabilized Bank CM-OT	7460	Trash, attached vegetation, LT side, LT bank
10/5/10		"	7461	" , " , " "
10/5/10		OT 10	7462	RT bank, LT side
10/5/10		ER-02	7463	-by the LT bank LT bank, LT side, across from OT 10
		OT 11	7465	RT bank, LT side, next to OT 10
		OT 12	7467	RT bank, LT side
		OT 13	7468	RT bank, LT side
		OT 14	7470	LT bank, LT side
		OT 14A	7471	" , " / buried, not sure if it's connected or not.
	MPR-01/8	OT 14 & 14A	7472	" , " / " "
	LPR-04	OT 1	7473	LT bank, RT side by crossing
		SC1	7474	stream crossing
			7475 & 7476	Stream

(BACK)

Photo Inventory

(By Camera)

Project: _____

Group: _____

Camera: _____

This field sheet is to be completed AS photos are taken in the field. The intent is to force us to organize pictures taken on a camera basis. Fill out one sheet per camera (add sheets as needed). Only fill in Date/Reach/Location ID when you start in a new spatial or temporal location.

Date	Stream/ Reach	Location ID	Photo #	Description
	LPR-04	OT2	7477	RT bank, RT side
		OT3	7480	" , "
			7481	Trash
			7482	"
			7483	" , mostly glass bottles bu
			7484	" , " , "
			7485	" , " , "
		CM1	7486	Need channel modification
			7487	to prevent erosion

(BACK)

USSR

Upland Field Assessments

(Filed in order of field picture numbers.)

Hotspot Site Investigation **HSI**

WATERSHED: Pequonnock	**SUBWATERSHED:** UWB	**UNIQUE SITE ID:** HSI-UWB-01
DATE: 10/14/10	**ASSESSED BY:** KMB **CAMERA ID:**	**PIC#:** 1-3
MAP GRID:	**LAT** 41° 21 ' 7.2 " **LONG** -73° 15 ' 35.7	**LMK #**

A. SITE DATA AND BASIC CLASSIFICATION

Name and Address: Rt 25 North of Pepper Street Mulch/topsoil company

SIC code (if available): 0

NPDES Status: ☐ Regulated ☐ Unregulated ☒ Unknown

Category: ☐ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related
Miscellaneous: ☐ Golf Course ☐ Marina ☐ Animal Facility

Basic Description of Operation: _____

	INDEX*
B. VEHICLE OPERATIONS ☐ **N/A** *(Skip to part C)*	**Observed Pollution Source?** ☐
B1. Types of vehicles: ☒ Fleet vehicles ☐ School buses ☐ Other: _____	
B2. Approximate number of vehicles: 10	
B3. Vehicle activities *(circle all that apply)*: Maintained Repaired Recycled Fueled Washed (Stored)	●
B4. Are vehicles stored and/or repaired outside? ☒ Y ☐ N ☐ Can't Tell Are these vehicles lacking runoff diversion methods? ☒ Y ☐ N ☐ Can't Tell	●
B5. Is there evidence of spills/leakage from vehicles? ☐ Y ☐ N ☒ Can't Tell	○
B6. Are uncovered outdoor fueling areas present? ☐ Y ☒ N ☐ Can't Tell	○
B7. Are fueling areas directly connected to storm drains? ☐ Y ☒ N ☐ Can't Tell	○
B8. Are vehicles washed outdoors? ☐ Y ☐ N ☒ Can't Tell Does the area where vehicles are washed discharge to the storm drain? ☐ Y ☐ N ☐ Can't Tell	○
OUTDOOR MATERIALS ☐ **N/A** *(Skip to part D)*	**Observed Pollution Source?** ☐
C1. Are loading/unloading operations present? ☒ Y ☐ N ☐ Can't Tell If yes, are they uncovered *and* draining towards a storm drain inlet? ☐ Y ☐ N ☒ Can't Tell	○
C2. Are materials stored outside? ☒ Y ☐ N ☐ Can't Tell If yes, are they ☐ Liquid ☐ Solid Description: _____ Where are they stored? ☒ grass/dirt area ☐ concrete/asphalt ☐ bermed area	●
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? ☐ Y ☐ N ☒ Can't Tell	○
C4. Is staining or discoloration around the area visible? ☐ Y ☐ N ☒ Can't Tell	○
C5. Does outdoor storage area lack a cover? ☒ Y ☐ N ☐ Can't Tell	●
C6. Are liquid materials stored *without* secondary containment? ☐ Y ☐ N ☒ Can't Tell	○
C7. Are storage containers missing labels or in poor condition (rusting)? ☐ Y ☒ N ☐ Can't Tell	○
D. WASTE MANAGEMENT ☐ **N/A** *(Skip to part E)*	**Observed Pollution Source?** ☐
D1. Type of waste *(check all that apply)*: ☐ Garbage ☒ Construction materials ☐ Hazardous materials	○
D2. Dumpster condition *(check all that apply)*: ☒ No cover/Lid is open ☐ Damaged/poor condition ☐ Leaking or evidence of leakage (stains on ground) ☒ Overflowing	●
D3. Is the dumpster located near a storm drain inlet? ☐ Y ☐ N ☒ Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? ☐ Y ☐ N ☒ Can't Tell	○
E. PHYSICAL PLANT ☒ **N/A** *(Skip to part F)*	**Observed Pollution Source?** ☐
E1. Building: Approximate age: _____ yrs. Condition of surfaces: ☐ Clean ☐ Stained ☐ Dirty ☐ Damaged	○
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? ☐ Y ☐ N ☐ Don't know	○

*Index: ○ denotes potential pollution source; ☐ denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age ~~?~~ yrs. Condition: ☐ Clean ☐ Stained ☐ Dirty ☐ Breaking up
Surface material ☐ Paved/Concrete ☒ Gravel ☒ Permeable ☐ Don't know

E3. Do downspouts discharge to impervious surface? ☐ Y ☒ N ☐ Don't know ☐ None visible
Are downspouts directly connected to storm drains? ☐ Y ☐ N ☐ Don't know

E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? ☐ Y ☐ N ☒ Can't Tell

F. TURF/LANDSCAPING AREAS ☒ **N/A** *(skip to part G)* **Observed Pollution Source?**

F1. % of site with: Forest canopy ____% Turf grass ____ % Landscaping ____% Bare Soil ____%

F2. Rate the turf management status: ☐ High ☐ Medium ☐ Low

F3. Evidence of permanent irrigation or "non-target" irrigation ☐ Y ☐ N ☐ Can't Tell

F4. Do landscaped areas drain to the storm drain system? ☐ Y ☐ N ☐ Can't Tell

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? ☐ Y ☐ N ☐ Can't Tell

G. STORM WATER INFRASTRUCTURE ☐ **N/A** *(skip to part H)* **Observed Pollution Source?**

G1. Are storm water treatment practices present? ☐ Y ☐ N ☐ Unknown If yes, please describe: _____

G2. Are private storm drains located at the facility? ☐ Y ☐ N ☐ Unknown
Is trash present in gutters leading to storm drains? If so, complete the index below.

Index Rating for Accumulation in Gutters

	Clean				Filthy
Sediment	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Organic material	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Litter	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5

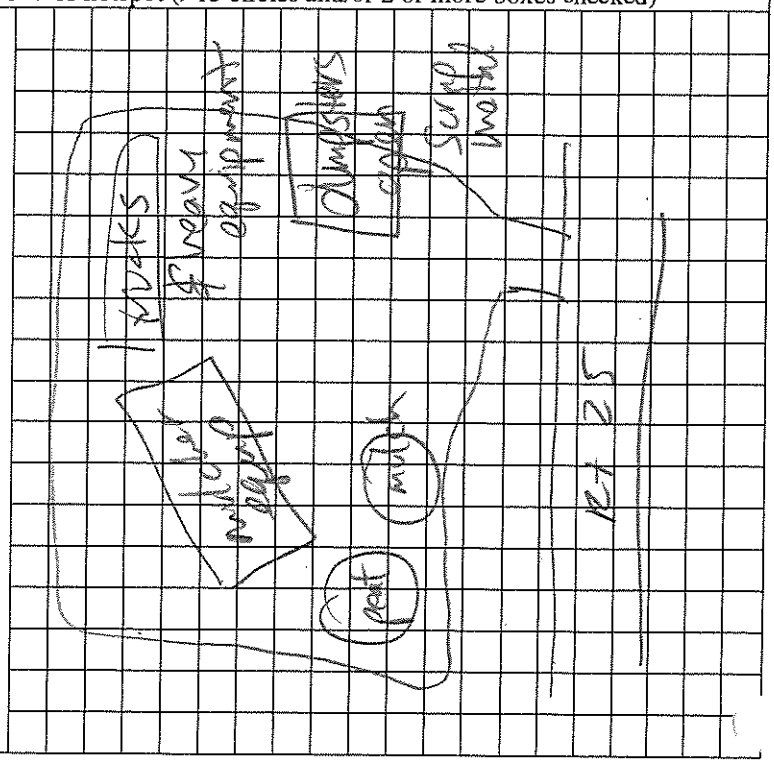
G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: ☐ Dirty ☐ Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

☐ Not a hotspot (fewer than 5 circles and no boxes checked) ☒ Potential hotspot (5 to 10 circles but no boxes checked)
☐ Confirmed hotspot (10 to 15 circles and/or 1 box checked) ☐ Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:
☐ Refer for immediate enforcement
☐ Suggest follow-up on-site inspection
☐ Test for illicit discharge
☒ Include in future education effort
☐ Check to see if hotspot is an NPDES non-filer
☒ Onsite non-residential retrofit
☐ Pervious area restoration; complete PAA sheet and record
Unique Site ID here: _____
☐ Schedule a review of storm water pollution prevention plan

Notes:



Hotspot Site Investigation **HSI**

WATERSHED: NWB	**SUBWATERSHED:**		**UNIQUE SITE ID:** HSI-UWR-02
DATE: 10/14/10	**ASSESSED BY:**	**CAMERA ID:**	**PIC#:** 4 - 6
MAP GRID:	**LAT** 41° 20' 57.1" **LONG** 73° 14' 57"8		**LMK #**

A. SITE DATA AND BASIC CLASSIFICATION

Name and Address: Adam Materials

Quarry & Landscaping

SIC code (if available): _____

NPDES Status: ☐ Regulated ☐ Unregulated ☐ Unknown

Category: ☐ Commercial ☒ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related

Miscellaneous: ☐ Golf Course ☐ Marina ☐ Animal Facility

Basic Description of Operation:
quarry - gravel for bldg materials
landscaping - greenhouse & plants

	INDEX*
B. VEHICLE OPERATIONS ☐ **N/A** *(Skip to part C)*	**Observed Pollution Source?** ☐
B1. Types of vehicles: ☒ Fleet vehicles ☐ School buses ☐ Other: _____	
B2. Approximate number of vehicles: _____	
B3. Vehicle activities *(circle all that apply)*: Maintained Repaired Recycled Fueled Washed Stored	○
B4. Are vehicles stored and/or repaired outside? ☐ Y ☐ N ☒ Can't Tell Are these vehicles lacking runoff diversion methods? ☐ Y ☐ N ☒ Can't Tell	○
B5. Is there evidence of spills/leakage from vehicles? ☐ Y ☐ N ☒ Can't Tell	○
B6. Are uncovered outdoor fueling areas present? ☐ Y ☐ N ☒ Can't Tell	○
B7. Are fueling areas directly connected to storm drains? ☐ Y ☐ N ☒ Can't Tell	○
B8. Are vehicles washed outdoors? ☐ Y ☐ N ☒ Can't Tell Does the area where vehicles are washed discharge to the storm drain? ☐ Y ☐ N ☒ Can't Tell	○
OUTDOOR MATERIALS ☐ **N/A** *(Skip to part D)*	**Observed Pollution Source?** ☐
C1. Are loading/unloading operations present? ☒ Y ☐ N ☐ Can't Tell If yes, are they uncovered *and* draining towards a storm drain inlet? ☐ Y ☐ N ☒ Can't Tell	●
C2. Are materials stored outside? ☒ Y ☐ N ☐ Can't Tell If yes, are they ☐ Liquid ☐ Solid Description: _____ Where are they stored? ☐ grass/dirt area ☐ concrete/asphalt ☐ bermed area	●
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? ☐ Y ☐ N ☒ Can't Tell	○
C4. Is staining or discoloration around the area visible? ☐ Y ☐ N ☒ Can't Tell	○
C5. Does outdoor storage area lack a cover? ☒ Y ☐ N ☐ Can't Tell	●
C6. Are liquid materials stored *without* secondary containment? ☐ Y ☐ N ☒ Can't Tell	○
C7. Are storage containers missing labels or in poor condition (rusting)? ☐ Y ☐ N ☒ Can't Tell	○
D. WASTE MANAGEMENT ☐ **N/A** *(Skip to part E)*	**Observed Pollution Source?** ☐
D1. Type of waste *(check all that apply)*: ☐ Garbage ☒ Construction materials ☐ Hazardous materials	●
D2. Dumpster condition (*check all that apply*): ☐ No cover/Lid is open ☐ Damaged/poor condition ☐ Leaking or evidence of leakage (stains on ground) ☐ Overflowing	○
D3. Is the dumpster located near a storm drain inlet? ☐ Y ☐ N ☒ Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? ☐ Y ☐ N ☒ Can't Tell	○
E. PHYSICAL PLANT ☒ **N/A** *(Skip to part F)*	**Observed Pollution Source?** ☐
E1. Building: Approximate age: _____ yrs. Condition of surfaces: ☐ Clean ☐ Stained ☐ Dirty ☐ Damaged	○
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? ☐ Y ☐ N ☐ Don't know	○

*Index: ○ denotes potential pollution source; ☐ denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age 5-10 yrs. Condition: ☒ Clean ☐ Stained ☐ Dirty ☐ Breaking up
Surface material ☐ Paved/Concrete ☒ Gravel ☒ Permeable ☐ Don't know

E3. Do downspouts discharge to impervious surface? ☐ Y ☐ N ☐ Don't know ☐ None visible
Are downspouts directly connected to storm drains? ☐ Y ☐ N ☒ Don't know

E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? ☐ Y ☐ N ☐ Can't Tell

F. TURF/LANDSCAPING AREAS ☒ **N/A** *(skip to part G)* — **Observed Pollution Source?**

F1. % of site with: Forest canopy ____% Turf grass ____ % Landscaping ____% Bare Soil ____%

F2. Rate the turf management status: ☐ High ☐ Medium ☐ Low

F3. Evidence of permanent irrigation or "non-target" irrigation ☐ Y ☐ N ☐ Can't Tell

F4. Do landscaped areas drain to the storm drain system? ☐ Y ☐ N ☐ Can't Tell

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? ☐ Y ☐ N ☐ Can't Tell

G. STORM WATER INFRASTRUCTURE ☒ **N/A** *(skip to part H)* — **Observed Pollution Source?**

G1. Are storm water treatment practices present? ☐ Y ☐ N ☐ Unknown If yes, please describe: _____

G2. Are private storm drains located at the facility? ☐ Y ☐ N ☐ Unknown
Is trash present in gutters leading to storm drains? If so, complete the index below.

Index Rating for Accumulation in Gutters

	Clean				Filthy
Sediment	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Organic material	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Litter	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5

G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: ☐ Dirty ☐ Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

☐ Not a hotspot (fewer than 5 circles and no boxes checked) ☒ Potential hotspot (5 to 10 circles but no boxes checked)
☐ Confirmed hotspot (10 to 15 circles and/or 1 box checked) ☐ Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:
- ☐ Refer for immediate enforcement
- ☒ Suggest follow-up on-site inspection
- ☐ Test for illicit discharge
- ☐ Include in future education effort
- ☒ Check to see if hotspot is an NPDES non-filer
- ☐ Onsite non-residential retrofit
- ☐ Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____
- ☐ Schedule a review of storm water pollution prevention plan

Notes:

Quarry - check if NPDES permit
landscaping business & quarry are
both part of development efforts in
this area - supplying fill & landscaping

Hotspot Site Investigation **HSI**

WATERSHED: Pequonnock	SUBWATERSHED: UNB		UNIQUE SITE ID: HSI-UNB-03
DATE: 10/14/10	ASSESSED BY: KMB	CAMERA ID: A580	PIC#: 7-12
MAP GRID:	LAT 41° 21' 4.6" LONG 73° 15' 9.7"		LMK #

A. SITE DATA AND BASIC CLASSIFICATION

Name and Address: Enterprise Drive Manufacturing Co.

SIC code (if available): _____

NPDES Status: ☐ Regulated ☐ Unregulated ☒ Unknown

Category: ☐ Commercial ☒ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related

Miscellaneous: ☐ Golf Course ☐ Marina ☐ Animal Facility

Basic Description of Operation: _____

	INDEX*
B. VEHICLE OPERATIONS ☐ **N/A** *(Skip to part C)*	**Observed Pollution Source?** ☐
B1. Types of vehicles: ☐ Fleet vehicles ☐ School buses ☐ Other: _____	
B2. Approximate number of vehicles: _____	
B3. Vehicle activities *(circle all that apply)*: Maintained Repaired Recycled Fueled Washed Stored	○
B4. Are vehicles stored and/or repaired outside? ☐ Y ☐ N ☐ Can't Tell Are these vehicles lacking runoff diversion methods? ☐ Y ☐ N ☐ Can't Tell	○
B5. Is there evidence of spills/leakage from vehicles? ☐ Y ☐ N ☐ Can't Tell	○
B6. Are uncovered outdoor fueling areas present? ☐ Y ☐ N ☐ Can't Tell	○
B7. Are fueling areas directly connected to storm drains? ☐ Y ☐ N ☐ Can't Tell	○
B8. Are vehicles washed outdoors? ☐ Y ☐ N ☐ Can't Tell Does the area where vehicles are washed discharge to the storm drain? ☐ Y ☐ N ☐ Can't Tell	○
OUTDOOR MATERIALS ☐ **N/A** *(Skip to part D)*	**Observed Pollution Source?** ☐
C1. Are loading/unloading operations present? ☒ Y ☐ N ☐ Can't Tell If yes, are they uncovered *and* draining towards a storm drain inlet? ☒ Y ☐ N ☐ Can't Tell	○
C2. Are materials stored outside? ☒ Y ☐ N ☐ Can't Tell If yes, are they ☐ Liquid ☐ Solid Description: _____ Where are they stored? ☐ grass/dirt area ☒ concrete/asphalt ☐ bermed area	○
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? ☒ Y ☐ N ☐ Can't Tell	○
C4. Is staining or discoloration around the area visible? ☐ Y ☒ N ☐ Can't Tell	○
C5. Does outdoor storage area lack a cover? ☑ Y ☐ N ☐ Can't Tell	○
C6. Are liquid materials stored *without* secondary containment? ☐ Y ☐ N ☒ Can't Tell	○
C7. Are storage containers missing labels or in poor condition (rusting)? ☐ Y ☒ N ☐ Can't Tell	○
D. WASTE MANAGEMENT ☐ **N/A** *(Skip to part E)*	**Observed Pollution Source?** ☐
D1. Type of waste *(check all that apply)*: ☒ Garbage ☒ Construction materials ☐ Hazardous materials	●
D2. Dumpster condition *(check all that apply)*: ☒ No cover/Lid is open ☐ Damaged/poor condition ☐ Leaking or evidence of leakage (stains on ground) ☐ Overflowing	●
D3. Is the dumpster located near a storm drain inlet? ☒ Y ☐ N ☐ Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? ☐ Y ☒ N ☐ Can't Tell	○
E. PHYSICAL PLANT ☐ **N/A** *(Skip to part F)*	**Observed Pollution Source?** ☐
E1. Building: Approximate age: <5 yrs. Condition of surfaces: ☒ Clean ☐ Stained ☐ Dirty ☐ Damaged	○
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? ☐ Y ☒ N ☐ Don't know	○

*Index: ○ denotes potential pollution source; ☐ denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age <5 yrs. Condition: ☒ Clean ☐ Stained ☐ Dirty ☐ Breaking up
Surface material ☒ Paved/Concrete ☐ Gravel ☐ Permeable ☐ Don't know ○

E3. Do downspouts discharge to impervious surface? ☒ Y ☐ N ☐ Don't know ☐ None visible
Are downspouts directly connected to storm drains? ☐ Y ☐ N ☐ Don't know ○

E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? ☐ Y ☒ N ☐ Can't Tell ○

F. TURF/LANDSCAPING AREAS ☐ **N/A** *(skip to part G)* **Observed Pollution Source?**

F1. % of site with: Forest canopy 10 % Turf grass 30 % Landscaping 40 % Bare Soil 20 % (new planting) ○

F2. Rate the turf management status: ☒ High ☐ Medium ☐ Low ○

F3. Evidence of permanent irrigation or "non-target" irrigation ☐ Y ☐ N ☒ Can't Tell ○

F4. Do landscaped areas drain to the storm drain system? ☒ Y ☐ N ☐ Can't Tell ○

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? ☐ Y ☒ N ☐ Can't Tell ○

G. STORM WATER INFRASTRUCTURE ☐ **N/A** *(skip to part H)* **Observed Pollution Source?**

G1. Are storm water treatment practices present? ☒ Y ☐ N ☐ Unknown If yes, please describe: Sw Basin ○

G2. Are private storm drains located at the facility? ☒ Y ☐ N ☐ Unknown
Is trash present in gutters leading to storm drains? If so, complete the index below. ○

Index Rating for Accumulation in Gutters

	Clean				Filthy
Sediment	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5
Organic material	☒ 1	☐ 2	☐ 3	☐ 4	☐ 5
Litter	☒ 1	☐ 2	☐ 3	☐ 4	☐ 5

G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: ☐ Dirty ☐ Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

☐ Not a hotspot (fewer than 5 circles and no boxes checked) ☐ Potential hotspot (5 to 10 circles but no boxes checked)
☐ Confirmed hotspot (10 to 15 circles and/or 1 box checked) ☐ Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:
- ☐ Refer for immediate enforcement
- ☐ Suggest follow-up on-site inspection
- ☐ Test for illicit discharge
- ☐ Include in future education effort
- ☐ Check to see if hotspot is an NPDES non-filer
- ☐ Onsite non-residential retrofit
- ☐ Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____
- ☐ Schedule a review of storm water pollution prevention plan

Notes:

WATERSHED: Pequonnock	**SUBWATERSHED:** UWB	**UNIQUE SITE ID:** SSD-UWB-01
DATE: 10/14/10	**ASSESSED BY:** KMB	**CAMERA ID:** A580
MAP GRID	**RAIN IN LAST 24 HOURS** ☐ Y ☒ N	**PIC #** 7, 10

A. LOCATION

A1. Street names or neighborhood surveyed: Enterprise Drive

A2. Adjacent land use: ☐ Residential ☐ Commercial ☒ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related

A3. Corresponding HSI or NSA field sheet? If so, circle HSI or NSA and record its Unique Site ID here HSI-UWB-03

B. STREET CONDITIONS

B1. Road Type: ☐ Arterial ☐ Collector ☒ Local ☐ Alley ☐ Other: _____

B2. Condition of Pavement: ☒ New ☐ Good ☐ Cracked ☐ Broken

B3. Is on-street parking permitted ☐ Y ☒ N If yes, approximate number of cars per block: _____

B4. Are large cul-de-sacs present? ☒ Y ☐ N

B5. Is trash present in curb and gutter? If so, use the index to the right to record amount.	Index Rating for Accumulation in Gutters				
	Clean				Filthy
Sediment	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5
Organic Material	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5
Litter	☒ 1	☐ 2	☐ 3	☐ 4	☐ 5

C. STORM DRAIN INLETS AND CATCH BASINS

C1. Type of storm drain conveyance: ☐ open ☐ enclosed ☒ mixed

C2. Percentage of inlets with catch basin storage: _____ ☐ N/A

Sample 1-2 catch basins per NSA/HSI	**C3.** Catch basin #1	**C4.** Catch basin #2
Latitude	41° 20' 58.0"	41° 21' 4.5"
Longitude	73° 15' 7.8"	73° 15' 9.8"
LMK #		
Picture #	7	10
Current Condition	☐ Wet ☒ Dry	☐ Wet ☒ Dry
Condition of Inlet	☒ Clear ☐ Obstructed	☒ Clear ☐ Obstructed
Litter Accumulation	☐ Y ☒ N	☐ Y ☒ N
Organics Accumulation	☒ Y ☐ N	☐ Y ☒ N
Sediment Accumulation	☒ Y ☐ N	☐ Y ☒ N
Sediment Depth (in feet)	_____ ft.	_____ ft.
Water Depth	3 ft.	1 ft.
Evidence of oil and grease	☐ Y ☒ N	☐ Y ☐ N
Sulfur smell	☐ Y ☒ N	☐ Y ☐ N
Accessible to vacuum truck	☒ Y ☐ N	☒ Y ☐ N

D. NON-RESIDENTIAL PARKING LOT (>2 acres)

D1. Approximate size: 2 acres

D2. Lot Utilization: ☐ Full ☒ About half full ☐ Empty

D3. Overall condition of Pavement: ☒ Smooth (no cracks) ☐ Medium (few cracks) ☐ Rough (many cracks) ☐ Very Rough (numerous cracks and depressions)

D4. Is lot served by a storm water treatment practice? ☒ Y ☐ N If yes, describe: SW Basin

D5. On-site retrofit potential: ☐ Excellent ☐ Good ☐ Poor N/A new

E. Municipal Pollutant Reduction Strategies

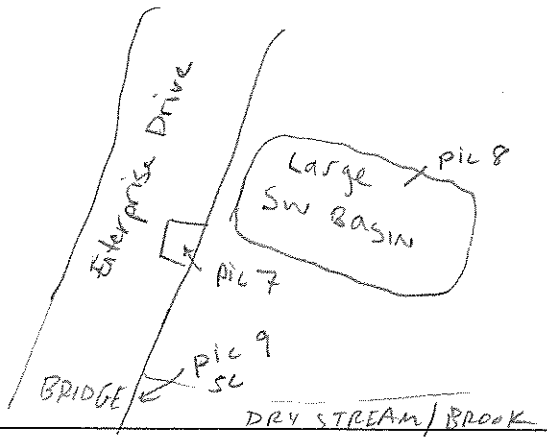
E1. Degree of pollutant accumulation in the system: ☐ High ☐ Medium ☐ Low ☐ None

E2. Rate the feasibility of the following pollution prevention strategies:

Street Sweeping:	☐ High	☐ Moderate	☐ Low
Storm Drain Stenciling:	☐ High	☐ Moderate	☐ Low
Catch Basin Clean-outs:	☐ High	☐ Moderate	☐ Low
Parking Lot Retrofit Potential:	☐ High	☐ Moderate	☐ Low

Catch Basin Sketches

#1



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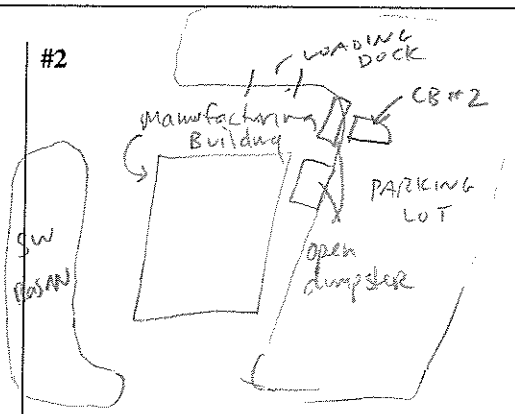


Notes:

Neighborhood Source Assessment **NSA**

WATERSHED: Pequonnock	SUBWATERSHED: UWB	UNIQUE SITE ID: NSA-UWB-01	
DATE: 10/14/10	ASSESSED BY: KMB	CAMERA ID:	PIC#: 13-22

A. NEIGHBORHOOD CHARACTERIZATION

Neighborhood/Subdivision Name: Northbrook — Neighborhood Area (acres) _____

If unknown, address (or streets) surveyed:
Northbrook Dr & local streets

Homeowners Association? ☒ Y ☐ N ☐ Unknown If yes, name and contact information: _____

Residential *(circle average single family lot size):*

☐ Single Family Attached (Duplexes, Row Homes) <⅛ ⅛ ¼ ⅓ ⅓ acre ☒ Multifamily (Apts, Townhomes, Condos)

☐ Single Family Detached <¼ ¼ ½ 1 >1 acre ☐ Mobile Home Park

Estimated Age of Neighborhood: 20 years | Percent of Homes with Garages: 100 % With Basements 0 % | **INDEX***

Sewer Service? ☐ Y ☒ N — ●

Index of Infill, Redevelopment, and Remodeling ☒ No Evidence ☐ <5% of units ☐ 5-10% ☐ >10% — ○

Record percent observed for each of the following indicators, depending on applicability and/or site complexity	Percentage	Comments/Notes	
B. YARD AND LAWN CONDITIONS			
B1. % of lot with impervious cover	30		
B2. % of lot with grass cover	50		○
B3. % of lot with landscaping (e.g., mulched bed areas)	20		◇
B4. % of lot with bare soil	0		○
**Note: B1 through B4 must total 100%*			
B5. % of lot with forest canopy	10		◇
B6. Evidence of permanent irrigation or "non-target" irrigation			○
B7. Proportion of *total neighborhood* turf lawns with following management status:	High: 50		○
	Med: 50		
	Low: ___		
B8. Outdoor swimming pools? ☒ Y ☐ N ☐ Can't Tell Estimated # 2		clubhouse	●
B9. Junk or trash in yards? ☐ Y ☒ N ☐ Can't Tell			○
C. DRIVEWAYS, SIDEWALKS, AND CURBS			
C1. % of driveways that are impervious ☐ N/A	0		
C2. Driveway Condition ☒ Clean ☐ Stained ☐ Dirty ☐ Breaking up			○
C3. Are sidewalks present? ☐ Y ☒ N If yes, are they on one side of street ☐ or along both sides ☐			
☐ Spotless ☐ Covered with lawn clippings/leaves ☐ Receiving 'non-target' irrigation			○
What is the distance between the sidewalk and street? _____ ft.			◇
Is pet waste present in this area? ☐ Y ☐ N ☐ N/A			○
C4. Is curb and gutter present? ☒ Y ☐ N If yes, check all that apply:			
☐ Clean and Dry ☐ Flowing or standing water ☐ Long-term car parking ☒ Sediment			○
☐ Organic matter, leaves, lawn clippings ☐ Trash, litter, or debris ☐ Overhead tree canopy			◇

* INDEX: ○ denotes potential pollution source; ◇ denotes a neighborhood restoration opportunity

D. ROOFTOPS			
D1. Downspouts are directly connected to storm drains or sanitary sewer	0		◇ ○
D2. Downspouts are directed to impervious surface	50	driveway	
D3. Downspouts discharge to pervious area	50	mulched bed	
D4. Downspouts discharge to a cistern, rain barrel, etc.	0		
**Note: C1 through C4 should total 100%*			
D5. Lawn area present downgradient of leader for rain garden? ☒ Y ☐ N			◇
E. COMMON AREAS			
E1. Storm drain inlets? ☒ Y ☐ N If yes, are they stenciled? ☐ Y ☐ N Condition: ☐ Clean ☐ Dirty			◇
Catch basins inspected? ☒ Y ☐ N If yes, include Unique Site ID from SSD sheet: SSD-NWB-02			○
E2. Storm water pond? ☒ Y ☐ N Is it a ☒ wet pond or ☐ dry pond? Is it overgrown? ☐ Y ☒ N What is the estimated pond area? ☐ <1 acre ☐ about 1 acre ☒ > 1 acre 2 ponds - algae in 1			◆
E3. Open Space? ☒ Y ☐ N If yes, is pet waste present? ☐ Y ☒ N dumping? ☐ Y ☒ N geese			●
Buffers/floodplain present: ☒ Y ☐ N If yes, is encroachment evident? ☒ Y ☐ N turf			
F. INITIAL NEIGHBORHOOD ASSESSMENT AND RECOMMENDATIONS			
Based on field observations, this neighborhood has significant indicators for the following: *(check all that apply)* ☒ Nutrients ☐ Oil and Grease ☐ Trash/Litter ☒ Bacteria ☐ Sediment ☐ Other _____			●

Recommended Actions

Specific Action

- ☐ Onsite retrofit potential?
- ☐ Better lawn/landscaping practice?
- ☐ Better management of common space?
- ☐ Pond retrofit?
- ☐ Multi-family Parking Lot Retrofit?
- ☐ Other action(s) _____

Describe Recommended Actions:

nutrients – septic see picture 21
evident in SW pond #1
bacteria – geese

Initial Assessment

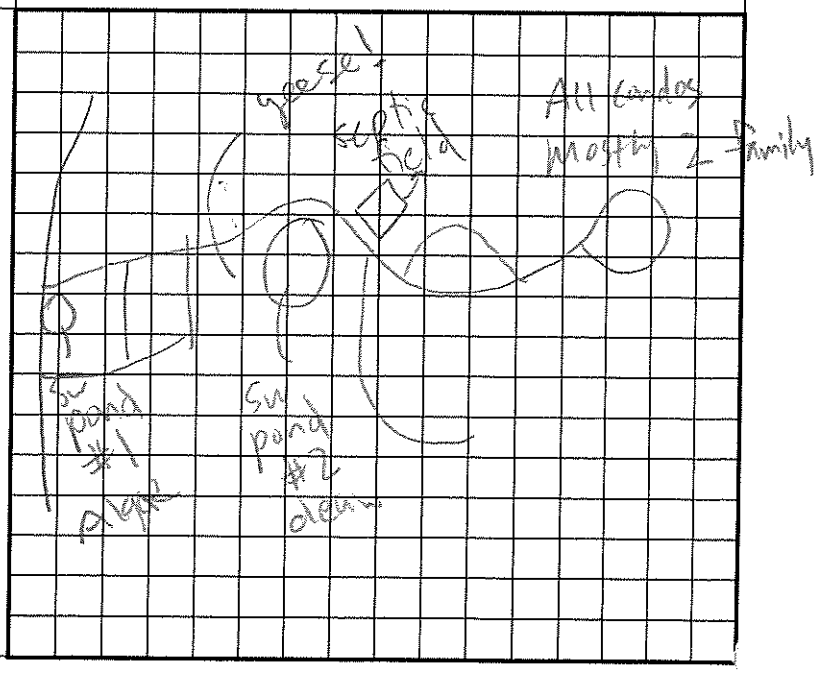
NSA Pollution Severity Index

- ☐ Severe (More than 10 circles checked)
- ☐ High (5 to 10 circles checked)
- ☒ Moderate (Fewer than 5 circles checked)
- ☐ None (No circles checked)

Neighborhood Restoration Opportunity Index

- ☐ High (More than 5 diamonds checked)
- ☐ Moderate (3-5 diamonds checked)
- ☒ Low (Fewer than 3 diamonds checked)

Sewer installation



NOTES:

WATERSHED: Pequannock	**SUBWATERSHED:** UWB	**UNIQUE SITE ID:** SSD-UWB-02
DATE: 10/14/10	**ASSESSED BY:** KMB	**CAMERA ID:**
MAP GRID	**RAIN IN LAST 24 HOURS** ☐ Y ☒ N	**PIC #** 18, 19, 20, 22

A. LOCATION

A1. Street names or neighborhood surveyed:
Northbrook Drive

A2. Adjacent land use: ☒ Residential ☐ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related

A3. Corresponding HSI or NSA field sheet? If so, circle HSI or NSA and record its Unique Site ID here NSA-UWB-01

B. STREET CONDITIONS

B1. Road Type: ☐ Arterial ☐ Collector ☒ Local ☐ Alley ☐ Other: _____

B2. Condition of Pavement: ☐ New ☒ Good ☐ Cracked ☐ Broken

B3. Is on-street parking permitted ☐ Y ☒ N If yes, approximate number of cars per block: _____

B4. Are large cul-de-sacs present? ☒ Y ☐ N

B5. Is trash present in curb and gutter? If so, use the index to the right to record amount.

	Index Rating for Accumulation in Gutters				
	Clean				Filthy
Sediment	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5
Organic Material	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5
Litter	☒ 1	☐ 2	☐ 3	☐ 4	☐ 5

C. STORM DRAIN INLETS AND CATCH BASINS

C1. Type of storm drain conveyance: ☐ open ☒ enclosed ☐ mixed

C2. Percentage of inlets with catch basin storage: 100 ☐ N/A

Sample 1-2 catch basins per NSA/HSI	**C3.** Catch basin #1	**C4.** Catch basin #2
Latitude	41° 20 ' 16.4 "	41° 20 ' 19.1 "
Longitude	73° 15 ' 7.6 "	73° 14 ' 59.7"
LMK #		
Picture #	18	20
Current Condition	☒ Wet ☐ Dry	☐ Wet ☒ Dry
Condition of Inlet	☒ Clear ☐ Obstructed	☒ Clear ☐ Obstructed
Litter Accumulation	☐ Y ☒ N	☐ Y ☒ N
Organics Accumulation	☐ Y ☒ N	☐ Y ☒ N
Sediment Accumulation	☐ Y ☒ N	☐ Y ☒ N
Sediment Depth (in feet)	_____ ft.	_____ ft.
Water Depth	_____ ft.	_____ ft.
Evidence of oil and grease	☐ Y ☒ N	☐ Y ☒ N
Sulfur smell	☐ Y ☒ N	☐ Y ☒ N
Accessible to vacuum truck	☒ Y ☐ N	☒ Y ☐ N

#3 adj. to septic bed

22

D. NON-RESIDENTIAL PARKING LOT (>2 acres) N/A

D1. Approximate size: _____ acres

D2. Lot Utilization: ☐ Full ☐ About half full ☐ Empty

D3. Overall condition of Pavement: ☐ Smooth (no cracks) ☐ Medium (few cracks) ☐ Rough (many cracks) ☐ Very Rough (numerous cracks and depressions)

D4. Is lot served by a storm water treatment practice? ☐ Y ☐ N If yes, describe: _____

D5. On-site retrofit potential: ☐ Excellent ☐ Good ☐ Poor

E. MUNICIPAL POLLUTANT REDUCTION STRATEGIES

E1. Degree of pollutant accumulation in the system: ☐ High ☐ Medium ☐ Low ☐ None Unknown

E2. Rate the feasibility of the following pollution prevention strategies:

Street Sweeping:	☒ High	☐ Moderate	☐ Low
Storm Drain Stenciling:	☒ High	☐ Moderate	☐ Low
Catch Basin Clean-outs:	☒ High	☐ Moderate	☐ Low
Parking Lot Retrofit Potential:	☐ High	☐ Moderate	☒ Low

CATCH BASIN SKETCHES

#1

See picture #18

CB#3 picture 22

#2

See picture #20

Notes:

Should stencil storm drains. Conveys to SW pond then into nwb peguannock.

Catch Basin clean outs → high potential since Condo assoc.

Neighborhood Source Assessment **NSA**

WATERSHED: Pequonnock	SUBWATERSHED: ISL	UNIQUE SITE ID: NSA-ISL-01	
DATE: 10/19/10	ASSESSED BY: KMB	CAMERA ID:	PIC#: 2331

A. NEIGHBORHOOD CHARACTERIZATION

Neighborhood/Subdivision Name: Grove St Neighborhood Area (acres) _____

If unknown, address (or streets) surveyed:
Grove St. & Fairchild Rd

Homeowners Association? ☐ Y ☒ N ☐ Unknown If yes, name and contact information: _____

Residential *(circle average single family lot size)*:

☐ Single Family Attached (Duplexes, Row Homes) <⅛ ⅛ ¼ ⅓ ½ acre ☐ Multifamily (Apts, Townhomes, Condos)

☒ Single Family Detached <¼ (¼) (½) 1 >1 acre ☐ Mobile Home Park

Estimated Age of Neighborhood: 50 years	Percent of Homes with Garages: 75 % With Basements 100%	INDEX*
Sewer Service? ☒ Y ☐ N Sewer manhole in street		○
Index of Infill, Redevelopment, and Remodeling ☐ No Evidence ☒ <5% of units ☐ 5-10% ☐ >10%		○

Record percent observed for each of the following indicators, depending on applicability and/or site complexity	Percentage	Comments/Notes	
B. YARD AND LAWN CONDITIONS			
B1. % of lot with impervious cover	40		
B2. % of lot with grass cover	50		○
B3. % of lot with landscaping (e.g., mulched bed areas)	10		◇
B4. % of lot with bare soil			○
**Note: B1 through B4 must total 100%*			
B5. % of lot with forest canopy	20	Some mature trees	◇
B6. Evidence of permanent irrigation or "non-target" irrigation	0		○
B7. Proportion of *total neighborhood* turf lawns with following management status:	High: 10		○
	Med: 80		
	Low: 10		
B8. Outdoor swimming pools? ☐ Y ☒ N ☐ Can't Tell Estimated # ____			○
B9. Junk or trash in yards? ☐ Y ☒ N ☐ Can't Tell			○
C. DRIVEWAYS, SIDEWALKS, AND CURBS			
C1. % of driveways that are impervious ☐ N/A	100		
C2. Driveway Condition ☒ Clean ☐ Stained ☐ Dirty ☐ Breaking up			○
C3. Are sidewalks present? ☐ Y ☒ N If yes, are they on one side of street ☐ or along both sides ☐			
☐ Spotless ☐ Covered with lawn clippings/leaves ☐ Receiving 'non-target' irrigation			○
What is the distance between the sidewalk and street? _____ ft.			◇
Is pet waste present in this area? ☐ Y ☐ N ☐ N/A			○
C4. Is curb and gutter present? ☒ Y ☐ N If yes, check all that apply: Some curb missing			
☐ Clean and Dry ☐ Flowing or standing water ☐ Long-term car parking ☒ Sediment			○
☒ Organic matter, leaves, lawn clippings ☐ Trash, litter, or debris ☒ Overhead tree canopy			◆

* INDEX: ○ denotes potential pollution source; ◇ denotes a neighborhood restoration opportunity

D. ROOFTOPS			
D1. Downspouts are directly connected to storm drains or sanitary sewer	20	Some into ground	◆ ○
D2. Downspouts are directed to impervious surface	10		
D3. Downspouts discharge to pervious area	70		
D4. Downspouts discharge to a cistern, rain barrel, etc.	0		
**Note: C1 through C4 should total 100%*			
D5. Lawn area present downgradient of leader for rain garden? ☒ Y ☐ N			◆
E. COMMON AREAS			
E1. Storm drain inlets? ☒ Y ☐ N If yes, are they stenciled? ☐ Y ☐ N Condition: ☐ Clean ☐ Dirty			◇
Catch basins inspected? ☒ Y ☐ N If yes, include Unique Site ID from SSD sheet: SSD-ISL-01			○
E2. Storm water pond? ☒ Y ☐ N Is it a ☒ wet pond or ☐ dry pond? Is it overgrown? ☒ Y ☐ N What is the estimated pond area? ☐ <1 acre ☒ about 1 acre ☐ > 1 acre			◆
E3. Open Space? ☐ Y ☒ N If yes, is pet waste present? ☐ Y ☐ N dumping? ☐ Y ☐ N			○
Buffers/floodplain present: ☐ Y ☐ N If yes, is encroachment evident? ☐ Y ☐ N			
F. INITIAL NEIGHBORHOOD ASSESSMENT AND RECOMMENDATIONS			
Based on field observations, this neighborhood has significant indicators for the following: *(check all that apply)* ☐ Nutrients ☐ Oil and Grease ☐ Trash/Litter ☐ Bacteria ☐ Sediment ☐ Other _____			○

Recommended Actions

Specific Action

- ☐ Onsite retrofit potential?
- ☐ Better lawn/landscaping practice?
- ☐ Better management of common space?
- ☒ Pond retrofit?
- ☐ Multi-family Parking Lot Retrofit?
- ☐ Other action(s) _____

Describe Recommended Actions:

rain barrels or gardens
SW pond for neighborhood
managed by Rumball Parks & rec

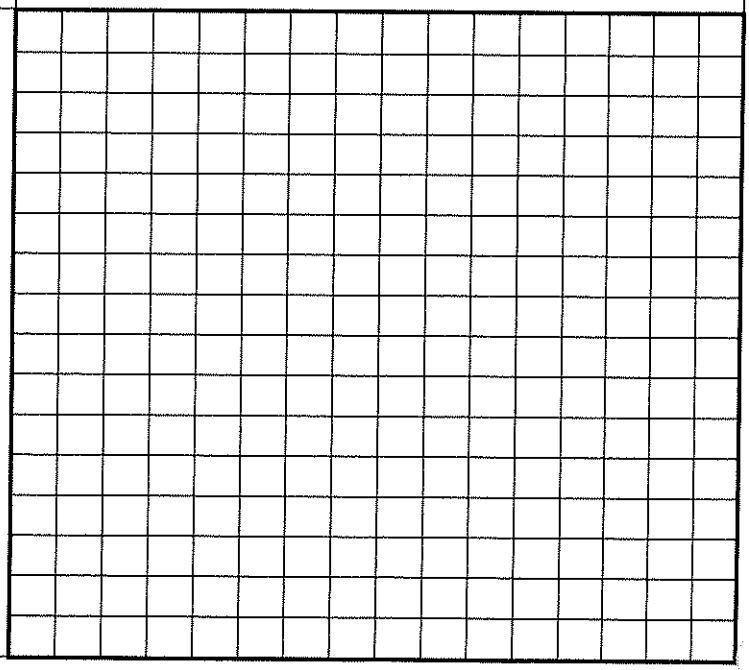
Initial Assessment

NSA Pollution Severity Index

- ☐ Severe (More than 10 circles checked)
- ☐ High (5 to 10 circles checked)
- ☐ Moderate (Fewer than 5 circles checked)
- ☒ None (No circles checked)

Neighborhood Restoration Opportunity Index

- ☐ High (More than 5 diamonds checked)
- ☒ Moderate (3-5 diamonds checked)
- ☐ Low (Fewer than 3 diamonds checked)



NOTES:

WATERSHED: Pequonnock	**SUBWATERSHED:** ISL	**UNIQUE SITE ID:** SSD-ISL-01
DATE: 10/14/01	**ASSESSED BY:** KMB	**CAMERA ID:**
MAP GRID	**RAIN IN LAST 24 HOURS** ☐ Y ☒ N	**PIC #** 29, 31

A. LOCATION

A1. Street names or neighborhood surveyed: Chestnut / Grove / Fairchild

A2. Adjacent land use: ☒ Residential ☐ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related

A3. Corresponding HSI or NSA field sheet? If so, circle HSI or NSA and record its Unique Site ID here NSA-ISL-01

B. STREET CONDITIONS

B1. Road Type: ☐ Arterial ☐ Collector ☒ Local ☐ Alley ☐ Other: _____

B2. Condition of Pavement: ☐ New ☐ Good ☒ Cracked ☐ Broken

B3. Is on-street parking permitted ☒ Y ☐ N If yes, approximate number of cars per block: 2

B4. Are large cul-de-sacs present? ☐ Y ☒ N dead ends - no culdesacs

B5. Is trash present in curb and gutter? If so, use the index to the right to record amount.

	Index Rating for Accumulation in Gutters				
	Clean				Filthy
Sediment	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5
Organic Material	☐ 1	☐ 2	☐ 3	☒ 4	☐ 5
Litter	☒ 1	☐ 2	☐ 3	☐ 4	☐ 5

C. STORM DRAIN INLETS AND CATCH BASINS

C1. Type of storm drain conveyance: ☐ open ☐ enclosed ☒ mixed

C2. Percentage of inlets with catch basin storage: _____ ☒ N/A (filled w/ leaves)

Sample 1-2 catch basins per NSA/HSI	**C3.** Catch basin #1	**C4.** Catch basin #2
Latitude	41° 14' 36.4"	° ' "
Longitude	73° 13' 3.8"	° ' "
LMK #		
Picture #	29	
Current Condition	☐ Wet ☒ Dry	☐ Wet ☐ Dry
Condition of Inlet	☐ Clear ☒ Obstructed	☐ Clear ☐ Obstructed
Litter Accumulation	☒ Y ☐ N	☐ Y ☐ N
Organics Accumulation	☒ Y ☐ N	☐ Y ☐ N
Sediment Accumulation	☐ Y ☒ N	☐ Y ☐ N
Sediment Depth (in feet)	leaves ft.	ft.
Water Depth	2 ft.	ft.
Evidence of oil and grease	☐ Y ☒ N	☐ Y ☐ N
Sulfur smell	☐ Y ☒ N	☐ Y ☐ N
Accessible to vacuum truck	☒ Y ☐ N	☐ Y ☐ N

D. NON-RESIDENTIAL PARKING LOT (>2 acres) N/A

D1. Approximate size: _____ acres

D2. Lot Utilization: ☐ Full ☐ About half full ☐ Empty

D3. Overall condition of Pavement: ☐ Smooth (no cracks) ☐ Medium (few cracks) ☐ Rough (many cracks) ☐ Very Rough (numerous cracks and depressions)

D4. Is lot served by a storm water treatment practice? ☐ Y ☐ N If yes, describe: _____

D5. On-site retrofit potential: ☐ Excellent ☐ Good ☐ Poor

E. MUNICIPAL POLLUTANT REDUCTION STRATEGIES

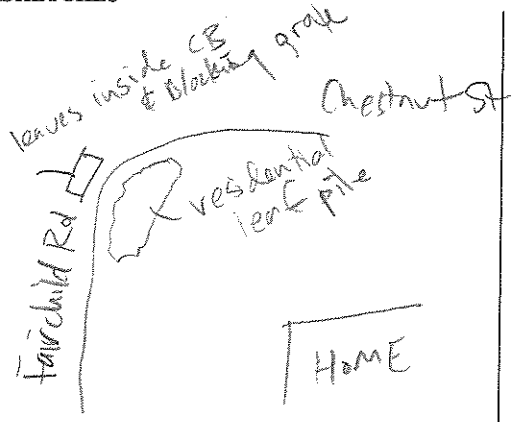
E1. Degree of pollutant accumulation in the system: ☒ High ☐ Medium ☐ Low ☐ None

E2. Rate the feasibility of the following pollution prevention strategies:

Street Sweeping:	☒ High	☐ Moderate	☐ Low
Storm Drain Stenciling:	☒ High	☐ Moderate	☐ Low
Catch Basin Clean-outs:	☒ High	☐ Moderate	☐ Low
Parking Lot Retrofit Potential:	☐ High	☐ Moderate	☒ Low

CATCH BASIN SKETCHES

#1



#2

Notes:

WATERSHED: Pequonnock	SUBWATERSHED: ISL	UNIQUE SITE ID: RRI-ISL-01	
DATE: 10/14/10	ASSESSED BY: EMB	CAMERA ID:	PICTURES: 32-34
GPS ID:	LMK ID:	LAT: 41° 14' 32.2"	LONG: 73° 13' 4.7"

SITE DESCRIPTION

Name: Grove street outfall
Address: 83 Grove St. @ Fairchild Dr

Ownership: ☐ Public ☒ Private ☐ Unknown
If Public, Government Jurisdiction: ☐ Local ☐ State ☐ DOT ☐ Other:

Corresponding USSR/USA Field Sheet? ☒ Yes ☐ No If yes, Unique Site ID: NSA-ISL-01

Proposed Retrofit Location:

Storage
- ☐ Existing Pond
- ☒ Below Outfall
- ☐ In Road ROW
- ☐ Other:
- ☐ Above Roadway Culvert
- ☒ In Conveyance System
- ☐ Near Large Parking Lot

On-Site
- ☐ Hotspot Operation
- ☐ Small Parking Lot
- ☒ Individual Street
- ☐ Underground
- ☐ Individual Rooftop
- ☐ Small Impervious Area
- ☐ Landscape / Hardscape
- ☐ Other:

DRAINAGE AREA TO PROPOSED RETROFIT

Drainage Area ≈ >5 acres
Imperviousness ≈ _____ %
Impervious Area ≈ _____

Notes:
residential neighborhood
possibly Ersham pond source?

Drainage Area Land Use:
- ☒ Residential
  - ☒ SFH (< 1 ac lots)
  - ☐ SFH (> 1 ac lots)
  - ☐ Townhouses
  - ☐ Multi-Family
- ☐ Commercial
- ☐ Institutional
- ☐ Industrial
- ☐ Transport-Related
- ☐ Park
- ☐ Undeveloped
- ☐ Other:

EXISTING STORMWATER MANAGEMENT

Existing Stormwater Practice: ☒ Yes ☐ No ☐ Possible
If Yes, Describe:

2 ponds upstream
1 pond in Island Brook Park downstream

Describe Existing Site Conditions, Including Existing Site Drainage and Conveyance:

Underground pipe conveyance to Island Brook w/ substantial dry-weather flow.

Existing Head Available and Points Where Measured:

Unique Site ID: _____

PROPOSED RETROFIT

Purpose of Retrofit:

☐ Water Quality ☐ Recharge ☒ Channel Protection ☐ Flood Control
☐ Demonstration / Education ☒ Repair ☐ Other:_____

Retrofit Volume Computations - Target Storage:

Retrofit Volume Computations - Available Storage:

Proposed Treatment Option:

☐ Extended Detention ☐ Wet Pond ☐ Created Wetland ☒ Bioretention
☐ Filtering Practice ☐ Infiltration ☒ Swale ☐ Other:_____

Describe Elements of Proposed Retrofit, Including Surface Area, Maximum Depth of Treatment, and Conveyance:

SITE CONSTRAINTS

Adjacent Land Use:

☒ Residential ☐ Commercial ☐ Institutional
☐ Industrial ☐ Transport-Related ☐ Park
☐ Undeveloped ☐ Other:_____

Possible Conflicts Due to Adjacent Land Use? ☐ Yes ☐ No

If Yes, Describe:

Access:

☐ No Constraints

Constrained due to

☐ Slope ☐ Space
☐ Utilities ☐ Tree Impacts
☐ Structures ☐ Property Ownership
☐ Other:_____

Conflicts with Existing Utilities:

☐ None
☐ Unknown

Yes	Possible	
☐	☐	Sewer
☐	☐	Water
☐	☐	Gas
☐	☐	Cable
☐	☐	Electric
☐	☐	Electric to Streetlights
☐		Overhead Wires
☐	☐	Other:_____

Potential Permitting Factors:

Dam Safety Permits Necessary	☐ Probable	☐ Not Probable
Impacts to Wetlands	☐ Probable	☐ Not Probable
Impacts to a Stream	☐ Probable	☐ Not Probable
Floodplain Fill	☐ Probable	☐ Not Probable
Impacts to Forests	☐ Probable	☐ Not Probable
Impacts to Specimen Trees	☐ Probable	☐ Not Probable

How many?_____

Approx. DBH_____

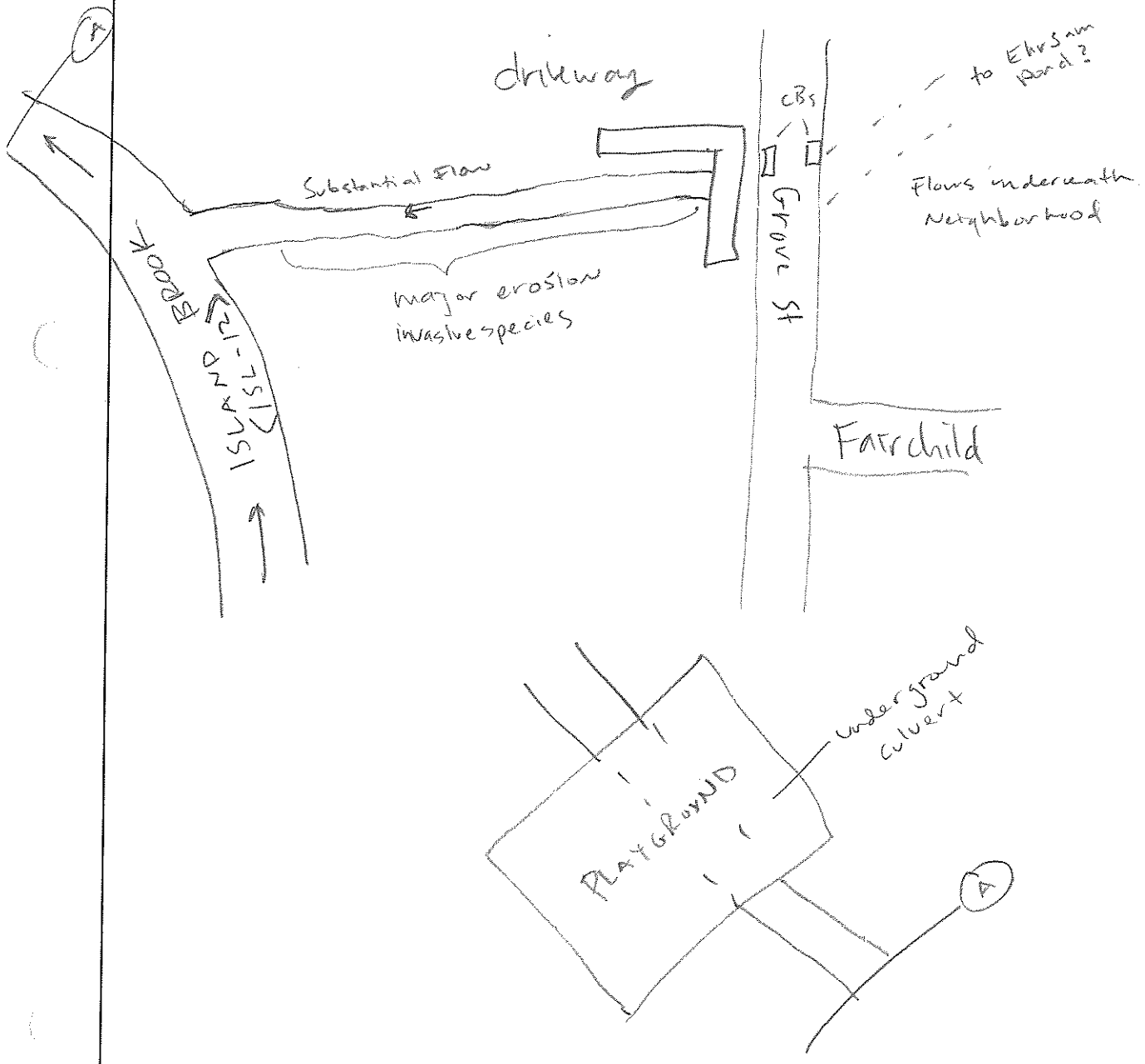
Other factors:_____

Soils:

Soil auger test holes:	☐ Yes	☐ No
Evidence of poor infiltration (clays, fines):	☐ Yes	☐ No
Evidence of shallow bedrock:	☐ Yes	☐ No
Evidence of high water table (gleying, saturation):	☐ Yes	☐ No

SKETCH

RRI - ISL-01

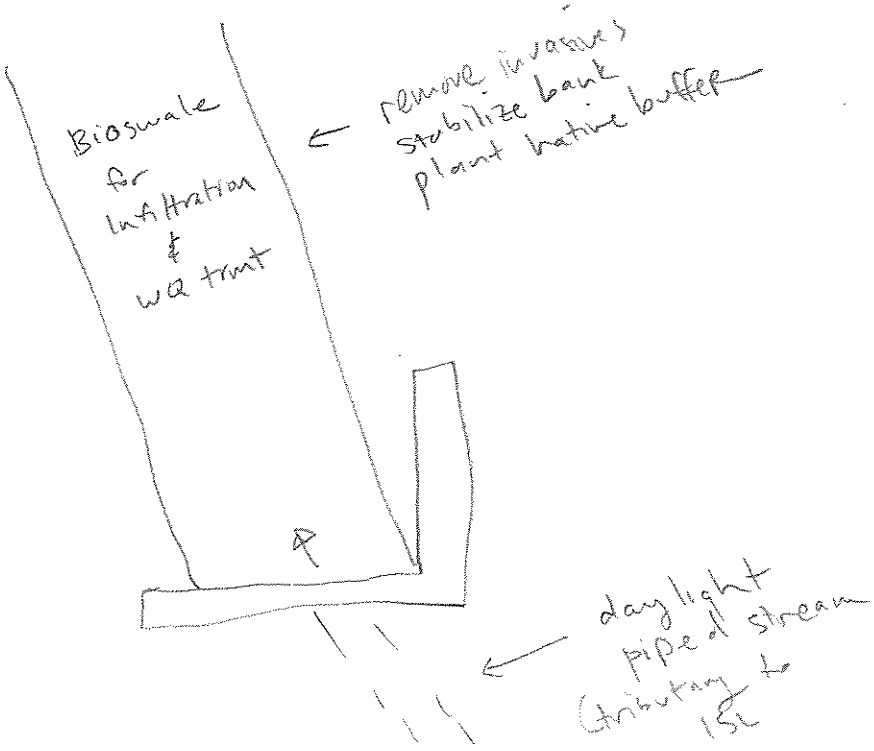


Unique Site ID:_____

DESIGN OR DELIVERY NOTES

In park!

daylight stream under playground



FOLLOW-UP NEEDED TO COMPLETE FIELD CONCEPT

- ☐ Confirm property ownership
- ☐ Confirm drainage area
- ☐ Confirm drainage area impervious cover
- ☒ Confirm volume computations
- ☐ Complete concept sketch
- ☒ Obtain existing stormwater practice as-builts
- ☒ Obtain site as-builts
- ☐ Obtain detailed topography
- ☒ Obtain utility mapping
- ☐ Confirm storm drain invert elevations
- ☐ Confirm soil types
- ☐ Other:_____

INITIAL FEASIBILITY AND CONSTRUCTION CONSIDERATIONS

private residential land w/ mixed town land nearby

Substantial dry weather flow

SITE CANDIDATE FOR FURTHER INVESTIGATION:	☒ YES	☐ NO	☐ MAYBE
IS SITE CANDIDATE FOR EARLY ACTION PROJECT(S):	☐ YES	☒ NO	☐ MAYBE
IF NO, SITE CANDIDATE FOR OTHER RESTORATION PROJECT(S):	☐ YES	☐ NO	☐ MAYBE

IF YES, TYPE(S):_____

Unique Site ID:_____

Neighborhood Source Assessment **NSA**

WATERSHED: Pequonnock	SUBWATERSHED: 15L	UNIQUE SITE ID: NSA-15L-02	
DATE: 10/14/10	ASSESSED BY: KMB	CAMERA ID: A580	PIC#: 42-51

A. NEIGHBORHOOD CHARACTERIZATION

Neighborhood/Subdivision Name: Lakeside Drive Neighborhood Area (acres) _____

If unknown, address (or streets) surveyed:

Homeowners Association? ☐ Y ☒ N ☐ Unknown If yes, name and contact information: _____

Residential *(circle average single family lot size):*

☐ Single Family Attached (Duplexes, Row Homes) <⅛ ⅛ ¼ ⅓ ½ acre ☐ Multifamily (Apts, Townhomes, Condos)

☒ Single Family Detached <¼ (¼) ½ 1 >1 acre ☐ Mobile Home Park

Estimated Age of Neighborhood: 80 years | Percent of Homes with Garages: 80 % With Basements 50 %

Sewer Service? ☒ Y ☐ N manholes in street

Index of Infill, Redevelopment, and Remodeling ☐ No Evidence ☐ <5% of units ☐ 5-10% ☒ >10%

Record percent observed for each of the following indicators, depending on applicability and/or site complexity	Percentage	Comments/Notes	INDEX*
B. YARD AND LAWN CONDITIONS			
B1. % of lot with impervious cover	50		
B2. % of lot with grass cover	10		○
B3. % of lot with landscaping (e.g., mulched bed areas)	40		◆
B4. % of lot with bare soil	0		○
**Note: B1 through B4 must total 100%*			
B5. % of lot with forest canopy	10		◇
B6. Evidence of permanent irrigation or "non-target" irrigation	0		○
B7. Proportion of *total neighborhood* turf lawns with following management status:	High: 10		○
	Med: 60		
	Low: 30		
B8. Outdoor swimming pools? ☐ Y ☒ N ☐ Can't Tell Estimated # ____			○
B9. Junk or trash in yards? ☐ Y ☒ N ☐ Can't Tell			○
C. DRIVEWAYS, SIDEWALKS, AND CURBS			
C1. % of driveways that are impervious ☐ N/A	100		
C2. Driveway Condition ☐ Clean ☒ Stained ☐ Dirty ☒ Breaking up			○
C3. Are sidewalks present? ☐ Y ☒ N If yes, are they on one side of street ☐ or along both sides ☐			
☐ Spotless ☐ Covered with lawn clippings/leaves ☐ Receiving 'non-target' irrigation			○
What is the distance between the sidewalk and street? _____ ft.			◇
Is pet waste present in this area? ☐ Y ☐ N ☐ N/A			○
C4. Is curb and gutter present? ☒ Y ☐ N If yes, check all that apply:			
☐ Clean and Dry ☐ Flowing or standing water ☐ Long-term car parking ☒ Sediment			●
☒ Organic matter, leaves, lawn clippings ☐ Trash, litter, or debris ☒ Overhead tree canopy			◆

* INDEX: ○ denotes potential pollution source; ◇ denotes a neighborhood restoration opportunity

D. ROOFTOPS			
D1. Downspouts are directly connected to storm drains or sanitary sewer	0		◇ ○
D2. Downspouts are directed to impervious surface	80		
D3. Downspouts discharge to pervious area	20		
D4. Downspouts discharge to a cistern, rain barrel, etc.	0		
**Note: C1 through C4 should total 100%*			
D5. Lawn area present downgradient of leader for rain garden? ☒ Y ☒ N	50%		◆
E. COMMON AREAS			
E1. Storm drain inlets? ☒ Y ☐ N If yes, are they stenciled? ☒ Y ☐ N Condition: ☐ Clean ☒ Dirty			◆
Catch basins inspected? ☒ Y ☐ N If yes, include Unique Site ID from SSD sheet: SSD-ISL-02			◍
E2. Storm water pond? ☒ Y ☐ N Is it a ☒ wet pond or ☐ dry pond? Is it overgrown? ☐ Y ☒ N What is the estimated pond area? ☐ <1 acre ☐ about 1 acre ☒ > 1 acre (Lake Forest)			◇
E3. Open Space? ☐ Y ☒ N If yes, is pet waste present? ☐ Y ☐ N dumping? ☐ Y ☐ N			○
Buffers/floodplain present: ☐ Y ☐ N If yes, is encroachment evident? ☐ Y ☐ N			
F. INITIAL NEIGHBORHOOD ASSESSMENT AND RECOMMENDATIONS			
Based on field observations, this neighborhood has significant indicators for the following: *(check all that apply)* ☐ Nutrients ☐ Oil and Grease ☐ Trash/Litter ☐ Bacteria ☒ Sediment ☐ Other _____			○

Recommended Actions

Specific Action

- ☐ Onsite retrofit potential?
- ☐ Better lawn/landscaping practice?
- ☐ Better management of common space?
- ☐ Pond retrofit?
- ☐ Multi-family Parking Lot Retrofit?
- ☐ Other action(s) _____

Describe Recommended Actions:

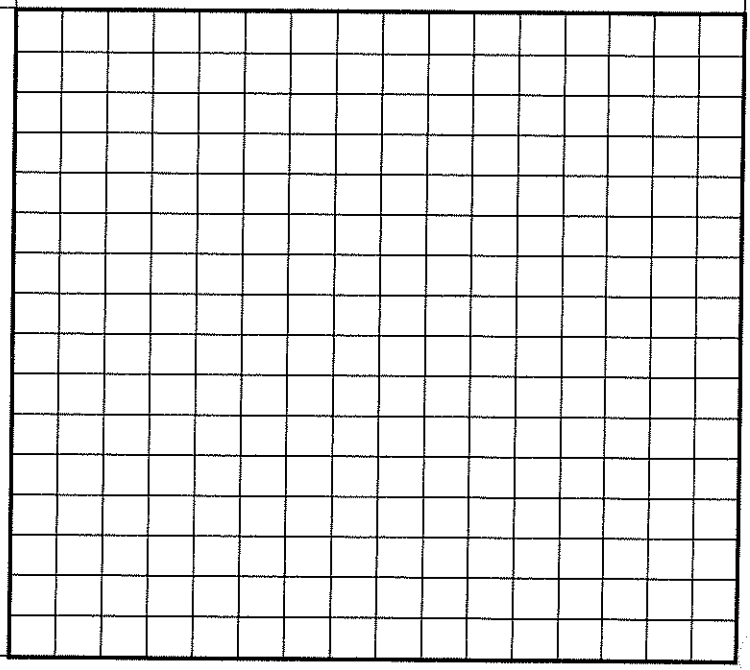
Initial Assessment

NSA Pollution Severity Index

- ☐ Severe (More than 10 circles checked)
- ☐ High (5 to 10 circles checked)
- ☒ Moderate (Fewer than 5 circles checked)
- ☐ None (No circles checked)

Neighborhood Restoration Opportunity Index

- ☐ High (More than 5 diamonds checked)
- ☒ Moderate (3-5 diamonds checked)
- ☐ Low (Fewer than 3 diamonds checked)



NOTES:

WATERSHED: Pequannock	**SUBWATERSHED:** ISL	**UNIQUE SITE ID:** SSD-ISL-02
DATE: 10/14/10	**ASSESSED BY:** KMB	**CAMERA ID:**
MAP GRID	**RAIN IN LAST 24 HOURS** ☐ Y ☒ N	**PIC #** 47-51

A. LOCATION

A1. Street names or neighborhood surveyed: Lakeside Drive

A2. Adjacent land use: ☒ Residential ☐ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related

A3. Corresponding HSI or NSA field sheet? If so, circle HSI or NSA and record its Unique Site ID here NSA-ISL-02

B. STREET CONDITIONS

B1. Road Type: ☐ Arterial ☒ Collector ☐ Local ☐ Alley ☐ Other: _____

B2. Condition of Pavement: ☐ New ☐ Good ☒ Cracked ☒ Broken

B3. Is on-street parking permitted ☒ Y ☐ N If yes, approximate number of cars per block: _____

B4. Are large cul-de-sacs present? ☐ Y ☒ N

B5. Is trash present in curb and gutter? If so, use the index to the right to record amount.	Index Rating for Accumulation in Gutters				
	Clean				Filthy
Sediment	☐ 1	☐ 2	☒ 3	☐ 4	☐ 5
Organic Material	☐ 1	☐ 2	☐ 3	☒ 4	☐ 5
Litter	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5

C. STORM DRAIN INLETS AND CATCH BASINS

C1. Type of storm drain conveyance: ☐ open ☒ enclosed ☐ mixed

C2. Percentage of inlets with catch basin storage: 100 ☐ N/A

Sample 1-2 catch basins per NSA/HSI	**C3.** Catch basin #1	**C4.** Catch basin #2
Latitude	41° 13' 12.8"	°Same' "
Longitude	73° 12' 43.7"	° ' "
LMK #		
Picture #	48	49-50
Current Condition	☐ Wet ☒ Dry	☐ Wet ☒ Dry
Condition of Inlet	☒ Clear ☐ Obstructed	☐ Clear ☒ Obstructed
Litter Accumulation	☐ Y ☒ N	☐ Y ☒ N
Organics Accumulation	☐ Y ☒ N	☒ Y ☐ N
Sediment Accumulation	☐ Y ☒ N	☒ Y ☐ N
Sediment Depth (in feet)	_____ ft.	_____ ft.
Water Depth	_____ ft.	_____ ft.
Evidence of oil and grease	☐ Y ☒ N	☐ Y ☒ N
Sulfur smell	☐ Y ☒ N	☐ Y ☒ N
Accessible to vacuum truck	☒ Y ☐ N	☒ Y ☐ N

D. NON-RESIDENTIAL PARKING LOT (>2 acres) N/A

D1. Approximate size: _____ acres

D2. Lot Utilization: ☐ Full ☐ About half full ☐ Empty

D3. Overall condition of Pavement: ☐ Smooth (no cracks) ☐ Medium (few cracks) ☐ Rough (many cracks) ☐ Very Rough (numerous cracks and depressions)

D4. Is lot served by a storm water treatment practice? ☐ Y ☐ N If yes, describe: _____

D5. On-site retrofit potential: ☐ Excellent ☐ Good ☐ Poor

E. Municipal Pollutant Reduction Strategies

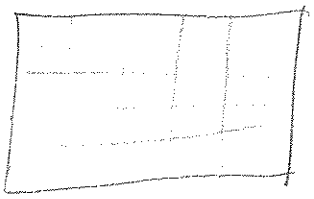
E1. Degree of pollutant accumulation in the system: ☐ High ☒ Medium ☐ Low ☐ None

E2. Rate the feasibility of the following pollution prevention strategies:

Street Sweeping:	☐ High	☒ Moderate	☐ Low
Storm Drain Stenciling:	☒ High	☐ Moderate	☐ Low
Catch Basin Clean-outs:	☐ High	☒ Moderate	☐ Low
Parking Lot Retrofit Potential:	☐ High	☐ Moderate	☐ Low

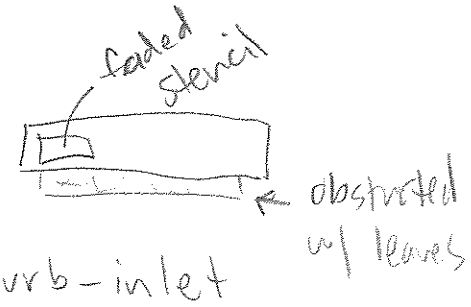
Catch Basin Sketches

#1



Small

#2



Curb-inlet

Notes:

restencil CBs

WATERSHED: Pequonnock	SUBWATERSHED: ISL	UNIQUE SITE ID: RRI-ISL-02	
DATE:	ASSESSED BY: KMB	CAMERA ID:	PICTURES: 52-63
GPS ID:	LMK ID:	LAT:	LONG:

SITE DESCRIPTION

Name: Frenchtown Elementary School
Address: Frenchtown Rd – Trumbull

Ownership: ☐ Public ☐ Private ☒ Unknown School
If Public, Government Jurisdiction: ☐ Local ☐ State ☐ DOT ☐ Other:

Corresponding USSR/USA Field Sheet? ☐ Yes ☒ No If yes, Unique Site ID:

Proposed Retrofit Location:

Storage
- ☐ Existing Pond
- ☐ Below Outfall
- ☐ In Road ROW
- ☐ Other:
- ☐ Above Roadway Culvert
- ☒ In Conveyance System
- ☒ Near Large Parking Lot

On-Site
- ☐ Hotspot Operation
- ☒ Small Parking Lot
- ☐ Individual Street
- ☐ Underground
- ☒ Individual Rooftop
- ☒ Small Impervious Area
- ☒ Landscape / Hardscape
- ☐ Other:

DRAINAGE AREA TO PROPOSED RETROFIT

Drainage Area ≈ _____
Imperviousness ≈ _____ %
Impervious Area ≈ _____

Notes:

Drainage Area Land Use:
- ☐ Residential
  - ☐ SFH (< 1 ac lots)
  - ☐ SFH (> 1 ac lots)
  - ☐ Townhouses
  - ☐ Multi-Family
- ☐ Commercial
- ☒ Institutional
- ☐ Industrial
- ☐ Transport-Related
- ☐ Park
- ☐ Undeveloped
- ☐ Other:

EXISTING STORMWATER MANAGEMENT

Existing Stormwater Practice: ☐ Yes ☐ No ☒ Possible
If Yes, Describe:

may be large sw basin that is very grown over on either Southern or western side of property – must confirm

Describe Existing Site Conditions, Including Existing Site Drainage and Conveyance:

There are at least two CBs in grass areas that could be converted to rain gardens

Existing Head Available and Points Where Measured:

Unique Site ID:_____

PROPOSED RETROFIT

Purpose of Retrofit:

☒ Water Quality ☐ Recharge ☐ Channel Protection ☒ Flood Control
☐ Demonstration / Education ☐ Repair ☐ Other:_____

Retrofit Volume Computations - Target Storage:

Retrofit Volume Computations - Available Storage:

Proposed Treatment Option:

☐ Extended Detention ☐ Wet Pond ☒ Created Wetland ☒ Bioretention
☐ Filtering Practice ☐ Infiltration ☐ Swale ☐ Other:_____

Describe Elements of Proposed Retrofit, Including Surface Area, Maximum Depth of Treatment, and Conveyance:

Rain garden around the catch basins

SITE CONSTRAINTS

Adjacent Land Use:

☐ Residential ☐ Commercial ☐ Institutional
☐ Industrial ☐ Transport-Related ☐ Park
☐ Undeveloped ☐ Other:_____

Possible Conflicts Due to Adjacent Land Use? ☐ Yes ☐ No

If Yes, Describe:

Access:

☐ No Constraints
Constrained due to
☐ Slope ☐ Space
☐ Utilities ☐ Tree Impacts
☐ Structures ☐ Property Ownership
☐ Other:_____

Conflicts with Existing Utilities:

☐ None
☐ Unknown

Yes	Possible	
☐	☐	Sewer
☐	☐	Water
☐	☐	Gas
☐	☐	Cable
☐	☐	Electric
☐	☐	Electric to Streetlights
☐		Overhead Wires
☐	☐	Other:_____

Potential Permitting Factors:

Dam Safety Permits Necessary	☐ Probable	☐ Not Probable
Impacts to Wetlands	☐ Probable	☐ Not Probable
Impacts to a Stream	☐ Probable	☐ Not Probable
Floodplain Fill	☐ Probable	☐ Not Probable
Impacts to Forests	☐ Probable	☐ Not Probable
Impacts to Specimen Trees	☐ Probable	☐ Not Probable

How many?_____
Approx. DBH_____

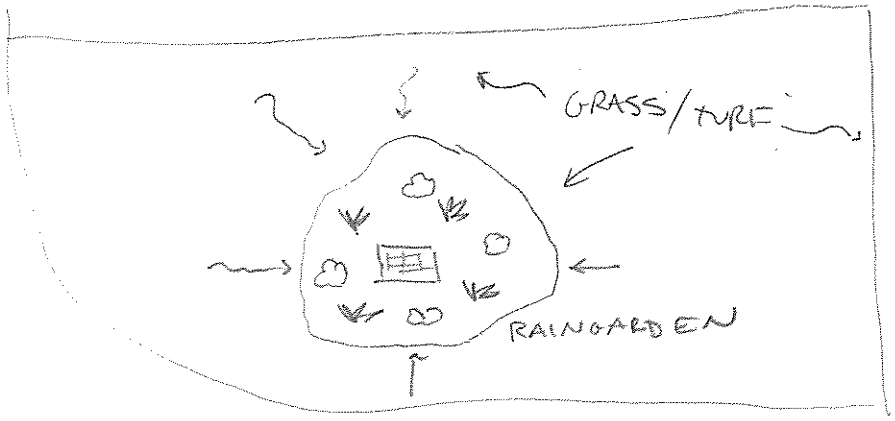
Other factors:_____

Soils:

Soil auger test holes:	☐ Yes	☐ No
Evidence of poor infiltration (clays, fines):	☐ Yes	☐ No
Evidence of shallow bedrock:	☐ Yes	☐ No
Evidence of high water table (gleying, saturation):	☐ Yes	☐ No

Unique Site ID:_____

SKETCH RRI-ISL-02



Unique Site ID:_____

DESIGN OR DELIVERY NOTES

There are 2 CBs in grass, → rain gardens and other areas for bioswales along parking lots.
(Did not go to backside of building - more opportunities may exist)

FOLLOW-UP NEEDED TO COMPLETE FIELD CONCEPT

- ☐ Confirm property ownership
- ☐ Confirm drainage area
- ☐ Confirm drainage area impervious cover
- ☐ Confirm volume computations
- ☐ Complete concept sketch
- ☐ Obtain existing stormwater practice as-builts
- ☐ Obtain site as-builts
- ☐ Obtain detailed topography
- ☐ Obtain utility mapping
- ☐ Confirm storm drain invert elevations
- ☐ Confirm soil types
- ☐ Other:_____

INITIAL FEASIBILITY AND CONSTRUCTION CONSIDERATIONS

SITE CANDIDATE FOR FURTHER INVESTIGATION:	☐ YES	☐ NO	☐ MAYBE
IS SITE CANDIDATE FOR EARLY ACTION PROJECT(S):	☐ YES	☐ NO	☐ MAYBE
IF NO, SITE CANDIDATE FOR OTHER RESTORATION PROJECT(S):	☐ YES	☐ NO	☐ MAYBE

IF YES, TYPE(S):_____

Unique Site ID:_____

WATERSHED: Pequonnock	SUBWATERSHED: MPR	UNIQUE SITE ID: RRI-MPR-01	
DATE: 10/14/10	ASSESSED BY: KMB	CAMERA ID: A580	PICTURES: 64-75
GPS ID:	LMK ID:	LAT: 41°15' 25.1"	LONG: 73°13' 4.0"

SITE DESCRIPTION

Name: Trumbull Library
Address: Quality Street / Rt 127

Ownership: ☒ Public ☐ Private ☐ Unknown Town of Trumbull
If Public, Government Jurisdiction: ☒ Local ☐ State ☐ DOT ☐ Other:

Corresponding USSR/USA Field Sheet? ☐ Yes ☒ No If yes, Unique Site ID:

Proposed Retrofit Location:

Storage
- ☐ Existing Pond
- ☐ Below Outfall
- ☐ In Road ROW
- ☐ Other:
- ☐ Above Roadway Culvert
- ☐ In Conveyance System
- ☒ Near Large Parking Lot

On-Site
- ☐ Hotspot Operation
- ☐ Small Parking Lot
- ☐ Individual Street
- ☐ Underground
- ☐ Individual Rooftop
- ☐ Small Impervious Area
- ☐ Landscape / Hardscape
- ☐ Other:

DRAINAGE AREA TO PROPOSED RETROFIT

Drainage Area ≈ _____
Imperviousness ≈ _____ %
Impervious Area ≈ _____

Notes:

Drainage Area Land Use:
- ☐ Residential
  - ☐ SFH (< 1 ac lots)
  - ☐ SFH (> 1 ac lots)
  - ☐ Townhouses
  - ☐ Multi-Family
- ☐ Commercial
- ☐ Institutional
- ☐ Industrial
- ☐ Transport-Related
- ☐ Park
- ☐ Undeveloped
- ☐ Other:

EXISTING STORMWATER MANAGEMENT

Existing Stormwater Practice: ☐ Yes ☒ No ☐ Possible
If Yes, Describe:

Some plantings next to building, although roof drains discharge to below ground

Describe Existing Site Conditions, Including Existing Site Drainage and Conveyance:

to grass areas. one CB in grass area, another at edge of parking lot that is conveyed to street system

Existing Head Available and Points Where Measured:

Parking lot CB at low point of paved surfaces

Unique Site ID:_____

PROPOSED RETROFIT

Purpose of Retrofit:
☒ Water Quality ☒ Recharge ☐ Channel Protection ☒ Flood Control
☒ Demonstration / Education ☐ Repair ☐ Other:_____

Retrofit Volume Computations - Target Storage:

Retrofit Volume Computations - Available Storage:

Proposed Treatment Option:
☐ Extended Detention ☐ Wet Pond ☐ Created Wetland ☒ Bioretention
☐ Filtering Practice ☐ Infiltration ☒ Swale ☐ Other:_____

Describe Elements of Proposed Retrofit, Including Surface Area, Maximum Depth of Treatment, and Conveyance:

SITE CONSTRAINTS

Adjacent Land Use:
☐ Residential ☐ Commercial ☒ Institutional
☐ Industrial ☒ Transport-Related ☐ Park
☐ Undeveloped ☐ Other:_____
Possible Conflicts Due to Adjacent Land Use? ☐ Yes ☒ No
If Yes, Describe:

Access:
☒ No Constraints
Constrained due to
☐ Slope ☐ Space
☐ Utilities ☐ Tree Impacts
☐ Structures ☐ Property Ownership
☐ Other:_____

Conflicts with Existing Utilities:
☐ None
☐ Unknown

Yes	Possible	
☐	☐	Sewer
☐	☐	Water
☐	☐	Gas
☒	☐	Cable
☐	☒	Electric
☐	☐	Electric to Streetlights
☐		Overhead Wires
☐	☐	Other:_____

Potential Permitting Factors:

Dam Safety Permits Necessary	☐ Probable	☒ Not Probable
Impacts to Wetlands	☐ Probable	☒ Not Probable
Impacts to a Stream	☐ Probable	☒ Not Probable
Floodplain Fill	☐ Probable	☒ Not Probable
Impacts to Forests	☐ Probable	☒ Not Probable
Impacts to Specimen Trees	☐ Probable	☒ Not Probable

How many?_____
Approx. DBH_____

Other factors:_____

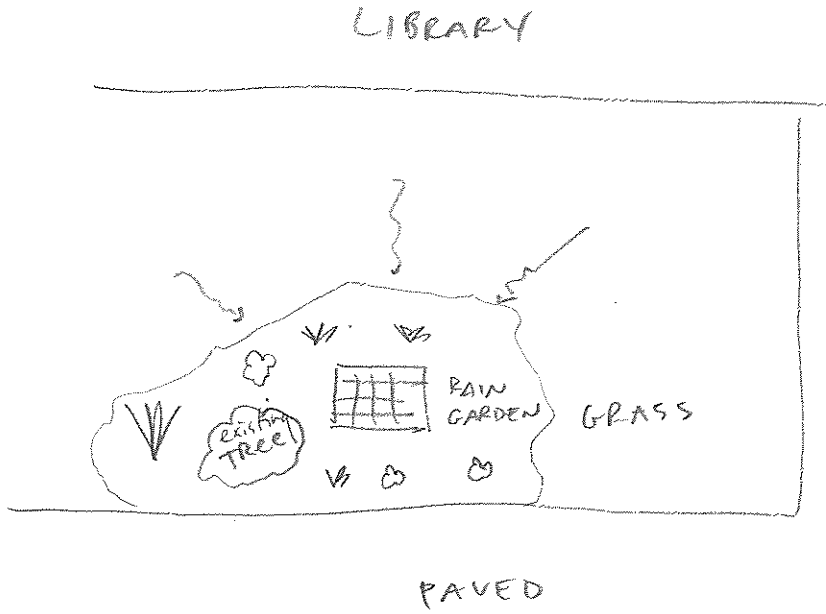
Soils:

Soil auger test holes:	☐ Yes	☐ No
Evidence of poor infiltration (clays, fines):	☐ Yes	☐ No
Evidence of shallow bedrock:	☐ Yes	☐ No
Evidence of high water table (gleying, saturation):	☐ Yes	☐ No

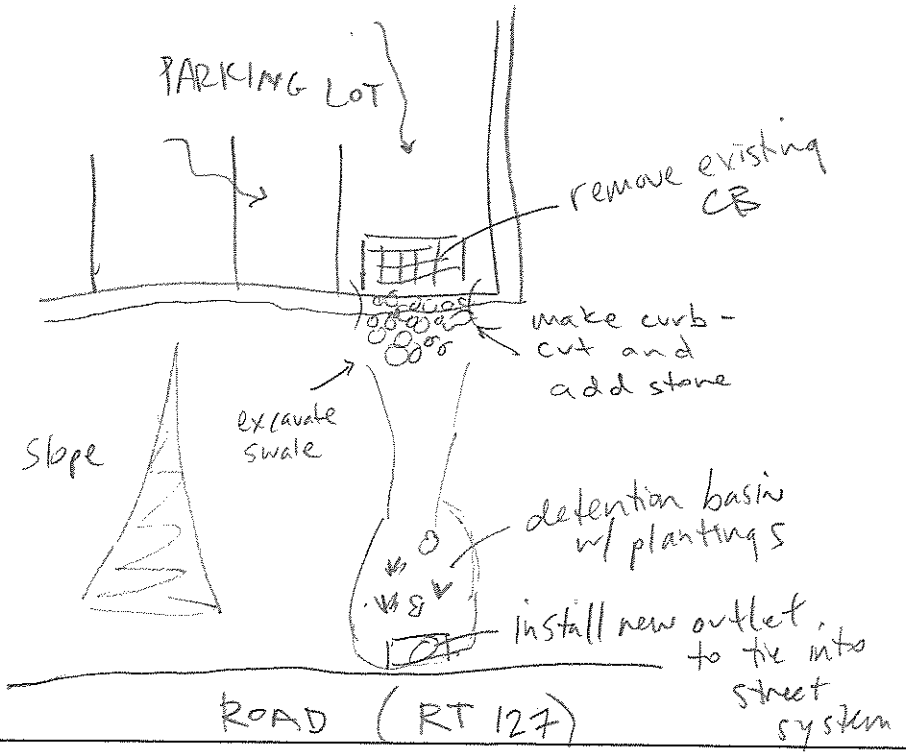
Unique Site ID:_____

SKETCH RRI-MPR-01

Project #1



Project #2



Unique Site ID:_____

DESIGN OR DELIVERY NOTES

there were utilities in the area that could be avoided to either side. AT&T communications

FOLLOW-UP NEEDED TO COMPLETE FIELD CONCEPT

- ☐ Confirm property ownership
- ☐ Confirm drainage area
- ☐ Confirm drainage area impervious cover
- ☐ Confirm volume computations
- ☐ Complete concept sketch
- ☐ Obtain existing stormwater practice as-builts
- ☐ Obtain site as-builts
- ☐ Obtain detailed topography
- ☒ Obtain utility mapping
- ☐ Confirm storm drain invert elevations
- ☐ Confirm soil types
- ☐ Other:_____

INITIAL FEASIBILITY AND CONSTRUCTION CONSIDERATIONS

utilities – AT&T and electric?

SITE CANDIDATE FOR FURTHER INVESTIGATION:	☒ YES	☐ NO	☐ MAYBE
IS SITE CANDIDATE FOR EARLY ACTION PROJECT(S):	☐ YES	☒ NO	☐ MAYBE
IF NO, SITE CANDIDATE FOR OTHER RESTORATION PROJECT(S):	☐ YES	☒ NO	☐ MAYBE

IF YES, TYPE(S):_____

Unique Site ID:_____

Neighborhood Source Assessment **NSA**

WATERSHED: Pequonnock	SUBWATERSHED: UPR	UNIQUE SITE ID: NSA-UPR-01	
DATE: 10/18/10	ASSESSED BY: DRB	CAMERA ID:	PIC#: 76-81, 84-85

A. NEIGHBORHOOD CHARACTERIZATION

Neighborhood/Subdivision Name: Flint Ridge/Scenic Hill Neighborhood Area (acres) _____

If unknown, address (or streets) surveyed:

Homeowners Association? ☐ Y ☐ N ☒ Unknown If yes, name and contact information: _____

Residential *(circle average single family lot size):*

☐ Single Family Attached (Duplexes, Row Homes) <⅛ ⅛ ¼ ⅓ ½ acre ☐ Multifamily (Apts, Townhomes, Condos)

☒ Single Family Detached <¼ ¼ ½ 1 (>1) acre ☐ Mobile Home Park

Estimated Age of Neighborhood: 30 years | Percent of Homes with Garages: 100 % With Basements 100% | **INDEX***

Sewer Service? ☐ Y ☒ N — ○

Index of Infill, Redevelopment, and Remodeling ☐ No Evidence ☐ <5% of units ☐ 5-10% ☒ >10% — ○

Record percent observed for each of the following indicators, depending on applicability and/or site complexity	Percentage	Comments/Notes	
B. YARD AND LAWN CONDITIONS			
B1. % of lot with impervious cover	2025		
B2. % of lot with grass cover	~~6065~~		○
B3. % of lot with landscaping (e.g., mulched bed areas)	10		◇
B4. % of lot with bare soil	0		○
**Note: B1 through B4 must total 100%*			
B5. % of lot with forest canopy	50		◇
B6. Evidence of permanent irrigation or "non-target" irrigation			○
B7. Proportion of *total neighborhood* turf lawns with following management status:	High: 60		●
	Med: 20		
	Low: 20		
B8. Outdoor swimming pools? ☒ Y ☐ N ☐ Can't Tell Estimated # ____	70%		○
B9. Junk or trash in yards? ☐ Y ☒ N ☐ Can't Tell			○
C. DRIVEWAYS, SIDEWALKS, AND CURBS			
C1. % of driveways that are impervious ☐ N/A			
C2. Driveway Condition ☐ Clean ☐ Stained ☐ Dirty ☐ Breaking up			○
C3. Are sidewalks present? ☐ Y ☒ N If yes, are they on one side of street ☐ or along both sides ☐			
☐ Spotless ☐ Covered with lawn clippings/leaves ☐ Receiving 'non-target' irrigation			○
What is the distance between the sidewalk and street? ____ ft.			◇
Is pet waste present in this area? ☐ Y ☐ N ☐ N/A			○
C4. Is curb and gutter present? ☒ Y ☐ N If yes, check all that apply:			
☐ Clean and Dry ☐ Flowing or standing water ☐ Long-term car parking ☐ Sediment			○
☒ Organic matter, leaves, lawn clippings ☐ Trash, litter, or debris ☒ Overhead tree canopy			◆

* INDEX: ○ denotes potential pollution source; ◇ denotes a neighborhood restoration opportunity

D. ROOFTOPS			
D1. Downspouts are directly connected to storm drains or sanitary sewer	No		◇ ○
D2. Downspouts are directed to impervious surface	10-20%		
D3. Downspouts discharge to pervious area	80-90%		
D4. Downspouts discharge to a cistern, rain barrel, etc.	No		
**Note: C1 through C4 should total 100%*			
D5. Lawn area present downgradient of leader for rain garden? ☒ Y ☐ N			◇
E. COMMON AREAS			
E1. Storm drain inlets? ☒ Y ☐ N If yes, are they stenciled? ☐ Y ☒ N Condition: ☐ Clean ☒ Dirty			◆
Catch basins inspected? ☐ Y ☐ N If yes, include Unique Site ID from SSD sheet: _____			○
E2. Storm water pond? ☐ Y ☐ N Is it a ☐ wet pond or ☐ dry pond? Is it overgrown? ☐ Y ☐ N What is the estimated pond area? ☐ <1 acre ☐ about 1 acre ☐ > 1 acre Could not locate			◇
E3. Open Space? ☐ Y ☒ N If yes, is pet waste present? ☐ Y ☒ N dumping? ☐ Y ☐ N			○
Buffers/floodplain present: ☐ Y ☒ N If yes, is encroachment evident? ☐ Y ☐ N			
F. INITIAL NEIGHBORHOOD ASSESSMENT AND RECOMMENDATIONS			
Based on field observations, this neighborhood has significant indicators for the following: *(check all that apply)* ☒ Nutrients ☐ Oil and Grease ☐ Trash/Litter ☐ Bacteria ☐ Sediment ☐ Other _____			○

Recommended Actions

Specific Action

- ☐ Onsite retrofit potential?
- ☒ Better lawn/landscaping practice?
- ☐ Better management of common space?
- ☐ Pond retrofit?
- ☐ Multi-family Parking Lot Retrofit?
- ☐ Other action(s) _____

Describe Recommended Actions:

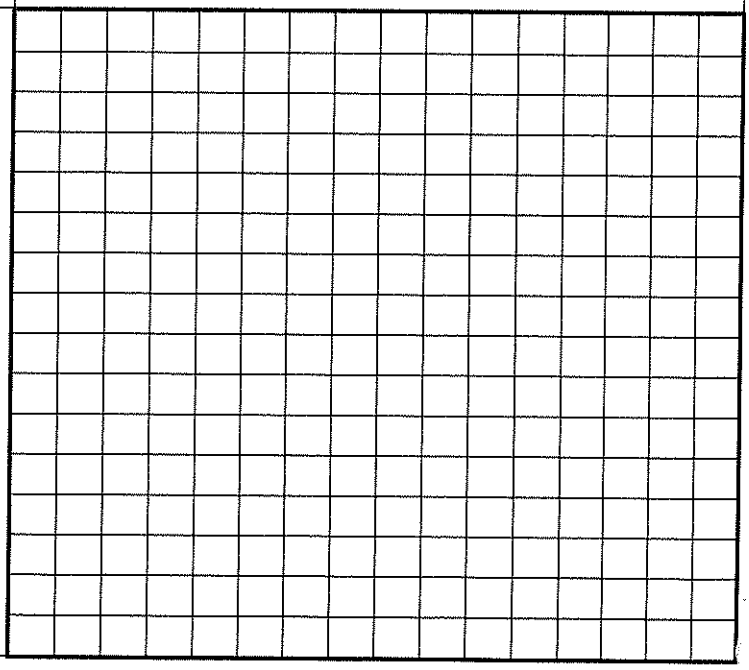
Initial Assessment

NSA Pollution Severity Index

- ☐ Severe (More than 10 circles checked)
- ☐ High (5 to 10 circles checked)
- ☒ Moderate (Fewer than 5 circles checked)
- ☐ None (No circles checked)

Neighborhood Restoration Opportunity Index

- ☐ High (More than 5 diamonds checked)
- ☐ Moderate (3-5 diamonds checked)
- ☒ Low (Fewer than 3 diamonds checked)



NOTES:

WATERSHED: Peg.	**SUBWATERSHED:** UPR	**UNIQUE SITE ID:** SSD-UPR-01
DATE: 10/16/2010	**ASSESSED BY:** DTB	**CAMERA ID:**
MAP GRID	**RAIN IN LAST 24 HOURS** ☐ Y ☐ N	**PIC #** 82-83

A. LOCATION

A1. Street names or neighborhood surveyed: Scenic Hill/ Flint Ridge

A2. Adjacent land use: ☒ Residential ☐ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related

A3. Corresponding HSI or NSA field sheet? If so, circle HSI or NSA and record its Unique Site ID here _____

B. STREET CONDITIONS

B1. Road Type: ☐ Arterial ☐ Collector ☒ Local ☐ Alley ☐ Other: _____

B2. Condition of Pavement: ☐ New ☐ Good ☒ Cracked ☐ Broken

B3. Is on-street parking permitted ☒ Y ☐ N If yes, approximate number of cars per block: _____

B4. Are large cul-de-sacs present? ☒ Y ☐ N

B5. Is trash present in curb and gutter? If so, use the index to the right to record amount.	Index Rating for Accumulation in Gutters				
	Clean				Filthy
Sediment	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5
Organic Material	☐ 1	☐ 2	☐ 3	☒ 4	☐ 5
Litter	☑ 1	☐ 2	☐ 3	☐ 4	☐ 5

C. STORM DRAIN INLETS AND CATCH BASINS

C1. Type of storm drain conveyance: ☐ open ☒ enclosed ☐ mixed

C2. Percentage of inlets with catch basin storage: _____ ☐ N/A

Sample 1-2 catch basins per NSA/HSI	**C3.** Catch basin #1	**C4.** Catch basin #2
Latitude	___° ___ ' ___ "	___° ___ ' ___ "
Longitude	___° ___ ' ___ "	___° ___ ' ___ "
LMK #	Intersection of Scenic Hill / Flint Ridge	
Picture #	82	83
Current Condition	☒ Wet ☐ Dry	☒ Wet ☐ Dry
Condition of Inlet	☒ Clear ☐ Obstructed	☒ Clear ☐ Obstructed
Litter Accumulation	☒ Y ☒ N	☐ Y ☒ N
Organics Accumulation	☒ Y ☐ N	☒ Y ☐ N
Sediment Accumulation	☒ Y ☐ N	☒ Y ☐ N
Sediment Depth (in feet)	1 ½ ft.	1 ft.
Water Depth	0.5 ft.	0.5 ft.
Evidence of oil and grease	☐ Y ☒ N	☐ Y ☒ N
Sulfur smell	☐ Y ☒ N	☐ Y ☒ N
Accessible to vacuum truck	☒ Y ☐ N	☒ Y ☐ N

D. NON-RESIDENTIAL PARKING LOT (>2 acres)

D1. Approximate size: _____ acres

D2. Lot Utilization: ☐ Full ☐ About half full ☐ Empty

D3. Overall condition of Pavement: ☐ Smooth (no cracks) ☐ Medium (few cracks) ☐ Rough (many cracks) ☐ Very Rough (numerous cracks and depressions)

D4. Is lot served by a storm water treatment practice? ☐ Y ☐ N If yes, describe: _____

D5. On-site retrofit potential: ☐ Excellent ☐ Good ☐ Poor

SSD - UPR - 01

Streets and Storm Drains **SSD**

E. MUNICIPAL POLLUTANT REDUCTION STRATEGIES

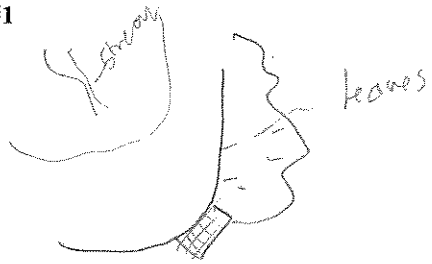
E1. Degree of pollutant accumulation in the system: ☐ High ☒ Medium ☐ Low ☐ None

E2. Rate the feasibility of the following pollution prevention strategies:

Street Sweeping:	☒ High	☐ Moderate	☐ Low
Storm Drain Stenciling:	☒ High	☐ Moderate	☐ Low
Catch Basin Clean-outs:	☐ High	☒ Moderate	☐ Low
Parking Lot Retrofit Potential:	☐ High	☐ Moderate	☐ Low

CATCH BASIN SKETCHES

#1



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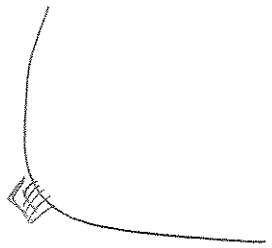


Notes: (small)
A stream appears to flow through the
drainage system

Hotspot Site Investigation **HSI**

WATERSHED: MPR	SUBWATERSHED: ~~MRR~~ MPT	UNIQUE SITE ID: HSI-MPT-01
DATE: 10/15/10	ASSESSED BY: DRB / CAMERA ID: Canon	PIC#: 92-102
MAP GRID:	LAT 41° 17.712' LONG 73° 14.036'	LMK #

A. SITE DATA AND BASIC CLASSIFICATION

Name and Address: 7 OAK SPRING HILL ROAD

Category: ☒ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related
Miscellaneous: ☐ Golf Course ☐ Marina ☐ Animal Facility

SIC code (if available): _____

NPDES Status: ☐ Regulated ☐ Unregulated ☐ Unknown

Basic Description of Operation: OFFICE PARK

	INDEX*
B. VEHICLE OPERATIONS ☒ N/A *(Skip to part C)*	**Observed Pollution Source?** N
B1. Types of vehicles: ☐ Fleet vehicles ☐ School buses ☐ Other: _____	
B2. Approximate number of vehicles: _____	
B3. Vehicle activities *(circle all that apply)*: Maintained Repaired Recycled Fueled Washed Stored	○
B4. Are vehicles stored and/or repaired outside? ☐ Y ☐ N ☐ Can't Tell Are these vehicles lacking runoff diversion methods? ☐ Y ☐ N ☐ Can't Tell	○
B5. Is there evidence of spills/leakage from vehicles? ☐ Y ☐ N ☐ Can't Tell	○
B6. Are uncovered outdoor fueling areas present? ☐ Y ☐ N ☐ Can't Tell	○
B7. Are fueling areas directly connected to storm drains? ☐ Y ☐ N ☐ Can't Tell	○
B8. Are vehicles washed outdoors? ☐ Y ☐ N ☐ Can't Tell Does the area where vehicles are washed discharge to the storm drain? ☐ Y ☐ N ☐ Can't Tell	○
OUTDOOR MATERIALS ☒ N/A *(Skip to part D)*	**Observed Pollution Source?**
C1. Are loading/unloading operations present? ☒ Y ☐ N ☐ Can't Tell If yes, are they uncovered *and* draining towards a storm drain inlet? ☐ Y ☒ N ☐ Can't Tell	●
C2. Are materials stored outside? ☐ Y ☒ N ☐ Can't Tell If yes, are they ☐ Liquid ☐ Solid Description: _____ Where are they stored? ☐ grass/dirt area ☐ concrete/asphalt ☐ bermed area	○
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? ☐ Y ☐ N ☐ Can't Tell	○
C4. Is staining or discoloration around the area visible? ☐ Y ☐ N ☐ Can't Tell	○
C5. Does outdoor storage area lack a cover? ☐ Y ☐ N ☐ Can't Tell	○
C6. Are liquid materials stored *without* secondary containment? ☐ Y ☐ N ☐ Can't Tell	○
C7. Are storage containers missing labels or in poor condition (rusting)? ☐ Y ☐ N ☐ Can't Tell	○
D. WASTE MANAGEMENT ☐ N/A *(Skip to part E)*	**Observed Pollution Source?**
D1. Type of waste *(check all that apply)*: ☒ Garbage ☐ Construction materials ☐ Hazardous materials	○
D2. Dumpster condition *(check all that apply)*: ☐ No cover/Lid is open ☐ Damaged/poor condition ☒ Leaking or evidence of leakage (stains on ground) ☐ Overflowing	●
D3. Is the dumpster located near a storm drain inlet? ☒ Y ☐ N ☐ Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? ☒ Y ☐ N ☐ Can't Tell	●
E. PHYSICAL PLANT ☐ N/A *(Skip to part F)*	**Observed Pollution Source?**
E1. Building: Approximate age: 20 yrs. Condition of surfaces: ☒ Clean ☐ Stained ☐ Dirty ☐ Damaged	○
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? ☐ Y ☒ N ☐ Don't know	○

*Index: ○ denotes potential pollution source; ☐ denotes confirmed polluter (evidence was seen)

SSD 41° 17.713' 73° 14.044' photo 100
41° 17.725 73° 14.052 photo 101

E2. Parking Lot: Approximate age 20 yrs. Condition: ☐ Clean ☒ Stained ☐ Dirty ☐ Breaking up
Surface material ☒ Paved/Concrete ☐ Gravel ☐ Permeable ☐ Don't know

E3. Do downspouts discharge to impervious surface? ☐ Y ☒ N ☐ Don't know ☐ None visible
Are downspouts directly connected to storm drains? ☒ Y ☐ N ☐ Don't know

E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? ☐ Y ☐ N ☐ Can't Tell

F. TURF/LANDSCAPING AREAS ☐ **N/A** *(skip to part G)* — **Observed Pollution Source?**

F1. % of site with: Forest canopy 20% Turf grass 20 % Landscaping 10% Bare Soil ____%

F2. Rate the turf management status: ☐ High ☒ Medium ☐ Low

F3. Evidence of permanent irrigation or "non-target" irrigation ☐ Y ☐ N ☒ Can't Tell

F4. Do landscaped areas drain to the storm drain system? ☒ Y ☐ N ☐ Can't Tell

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? ☐ Y ☒ N ☐ Can't Tell

G. STORM WATER INFRASTRUCTURE ☐ **N/A** *(skip to part H)* — **Observed Pollution Source?**

G1. Are storm water treatment practices present? ☐ Y ☒ N ☐ Unknown If yes, please describe: _____

G2. Are private storm drains located at the facility? ☒ Y ☐ N ☐ Unknown
Is trash present in gutters leading to storm drains? If so, complete the index below.

Index Rating for Accumulation in Gutters

	Clean				Filthy
Sediment	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5
Organic material	☒ 1	☐ 2	☐ 3	☐ 4	☐ 5
Litter	☒ 1	☐ 2	☐ **3**	☐ 4	☐ 5

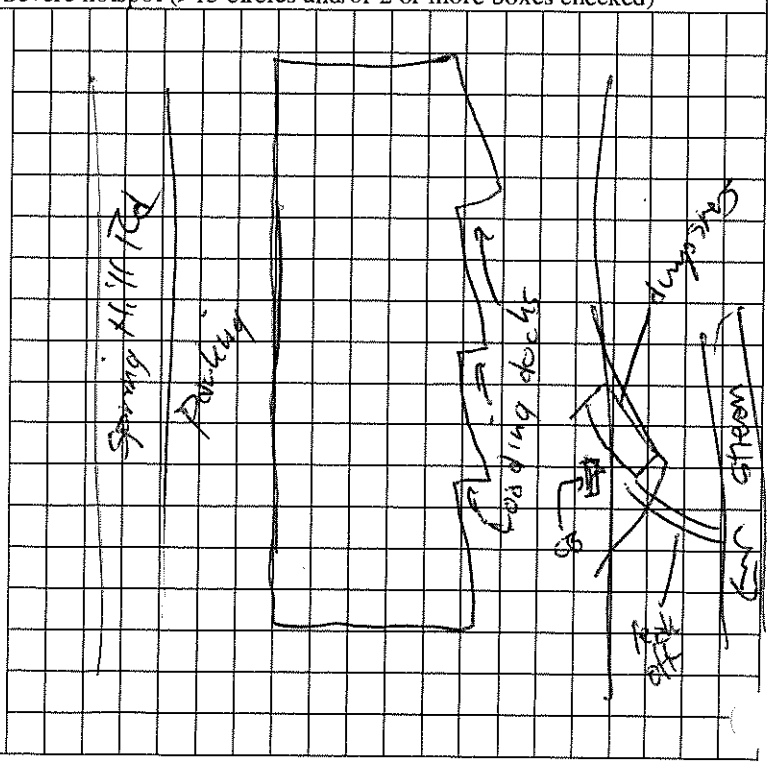
G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: ☐ Dirty ☐ Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

☐ Not a hotspot (fewer than 5 circles and no boxes checked) ☒ Potential hotspot (5 to 10 circles but no boxes checked)
☐ Confirmed hotspot (10 to 15 circles and/or 1 box checked) ☐ Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:
- ☐ Refer for immediate enforcement
- ☐ Suggest follow-up on-site inspection
- ☐ Test for illicit discharge
- ☐ Include in future education effort
- ☐ Check to see if hotspot is an NPDES non-filer
- ☐ Onsite non-residential retrofit
- ☐ Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____
- ☐ Schedule a review of storm water pollution prevention plan

Notes:



WATERSHED: Peq	**SUBWATERSHED:** MPMT	**UNIQUE SITE ID:** SSD-MPMT-01
DATE: 10/18/10	**ASSESSED BY:** DCB	**CAMERA ID:** Canon
MAP GRID	**RAIN IN LAST 24 HOURS** ☐ Y ☒ N	**PIC #** 100-101

A. LOCATION 209 Spring Hill Road

A1. Street names or neighborhood surveyed: _____

A2. Adjacent land use: ☐ Residential ☒ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related

A3. Corresponding HSI or NSA field sheet? If so, circle HSI or NSA and record its Unique Site ID here HST-MPT-01

B. STREET CONDITIONS

B1. Road Type: ☐ Arterial ☐ Collector ☐ Local ☐ Alley ☐ Other: Parking Lot

B2. Condition of Pavement: ☐ New ☒ Good ☐ Cracked ☐ Broken

B3. Is on-street parking permitted ☐ Y ☒ N If yes, approximate number of cars per block: _____

B4. Are large cul-de-sacs present? ☐ Y ☒ N

B5. Is trash present in curb and gutter? If so, use the index to the right to record amount.	Index Rating for Accumulation in Gutters				
	Clean				Filthy
Sediment	☐ 1	☒ 2	☒ 3	☐ 4	☐ 5
Organic Material	☐ 1	☐ 2	☒ 3	☐ 4	☐ 5
Litter	☒ 1	☐ 2	☐ 3	☐ 4	☐ 5

C. STORM DRAIN INLETS AND CATCH BASINS

C1. Type of storm drain conveyance: ☐ open ☒ enclosed ☐ mixed

C2. Percentage of inlets with catch basin storage: _____ ☐ N/A

Sample 1-2 catch basins per NSA/HSI	**C3.** Catch basin #1	**C4.** Catch basin #2
Latitude	41° 17.713' N	41° 17.725"
Longitude	73° 14.04M' "	73° 14.052"
LMK #		
Picture #	100	101
Current Condition	☒ Wet ☐ Dry	☒ Wet ☐ Dry
Condition of Inlet	☒ Clear ☐ Obstructed	☐ Clear ☑ Obstructed
Litter Accumulation	☐ Y ☒ N	☐ Y ☒ N
Organics Accumulation	☐ Y ☒ N	☒ Y ☐ N
Sediment Accumulation	☐ Y ☒ N	☐ Y ☒ N
Sediment Depth (in feet)	0 ft.	0 ft.
Water Depth	0.2 ft.	____ ft.
Evidence of oil and grease	☐ Y ☒ N	☐ Y ☒ N
Sulfur smell	☐ Y ☒ N	☐ Y ☒ N
Accessible to vacuum truck	☒ Y ☐ N	☐ Y ☒ N

D. NON-RESIDENTIAL PARKING LOT (>2 acres)

D1. Approximate size: 2 acres

D2. Lot Utilization: ☒ Full ☐ About half full ☐ Empty

D3. Overall condition of Pavement: ☐ Smooth (no cracks) ☒ Medium (few cracks) ☐ Rough (many cracks) ☐ Very Rough (numerous cracks and depressions)

D4. Is lot served by a storm water treatment practice? ☐ Y ☒ N If yes, describe: _____

D5. On-site retrofit potential: ☐ Excellent ☐ Good ☒ Poor

not much room

E. MUNICIPAL POLLUTANT REDUCTION STRATEGIES

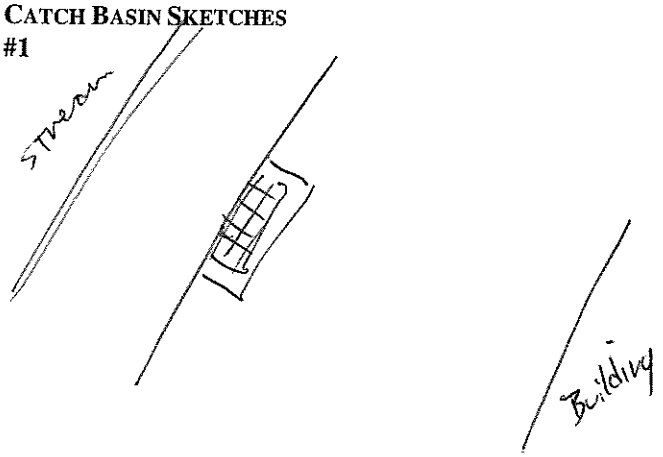
E1. Degree of pollutant accumulation in the system: ☐ High ☒ Medium ☐ Low ☐ None

E2. Rate the feasibility of the following pollution prevention strategies:

Street Sweeping:	☐ High	☒ Moderate	☐ Low
Storm Drain Stenciling:	☐ High	☐ Moderate	☒ Low
Catch Basin Clean-outs:	☐ High	☒ Moderate	☐ Low
Parking Lot Retrofit Potential:	☐ High	☐ Moderate	☒ Low

CATCH BASIN SKETCHES

#1



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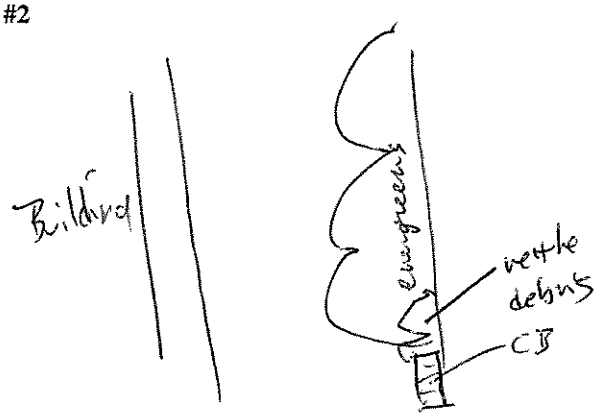


Notes:

WATERSHED: Peq.	**SUBWATERSHED:** MPT	**UNIQUE SITE ID:** SSD-MPT-02
DATE: 10/14/10	**ASSESSED BY:** DRB	**CAMERA ID:** Canon
MAP GRID	**RAIN IN LAST 24 HOURS** ☐ Y ☒ N	**PIC #** 103 – 107

A. LOCATION

A1. Street names or neighborhood surveyed: Spring Hill Road

A2. Adjacent land use: ☐ Residential ☐ Commercial ☐ Industrial ☐ Institutional ☒ Municipal ☐ Transport-Related

A3. Corresponding HSI or NSA field sheet? If so, circle HSI or NSA and record its Unique Site ID here _____

B. STREET CONDITIONS

B1. Road Type: ☐ Arterial ☒ Collector ☐ Local ☐ Alley ☐ Other: _____

B2. Condition of Pavement: ☒ New ☐ Good ☐ Cracked ☐ Broken

B3. Is on-street parking permitted ☐ Y ☒ N If yes, approximate number of cars per block: _____

B4. Are large cul-de-sacs present? ☐ Y ☒ N

B5. Is trash present in curb and gutter? If so, use the index to the right to record amount.

	Index Rating for Accumulation in Gutters				
	Clean				Filthy
Sediment	☐ 1	☐ 2	☒ 3	☐ 4	☐ 5
Organic Material	☐ 1	☐ 2	☒ 3	☐ 4	☐ 5
Litter	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5

C. STORM DRAIN INLETS AND CATCH BASINS

C1. Type of storm drain conveyance: ☐ open ☒ enclosed ☐ mixed

C2. Percentage of inlets with catch basin storage: 100 ☐ N/A

Sample 1-2 catch basins per NSA/HSI	plate 104 **C3.** Catch basin #1	plate 104 **C4.** Catch basin #2
Latitude	41° 71.737'	41° 71.740'
Longitude	73° 14.125'	73° 14.126'
LMK #		
Picture #	104-105	103
Current Condition	☐ Wet ☒ Dry	☐ Wet ☒ Dry
Condition of Inlet	☒ Clear ☐ Obstructed	☒ Clear ☐ Obstructed
Litter Accumulation	☐ Y ☒ N	☒ Y ☒ N
Organics Accumulation	☒ Y ☐ N	☒ Y ☐ N
Sediment Accumulation	☒ Y ☐ N	☒ Y ☐ N
Sediment Depth (in feet)	1-2 ft.	1-2 ft.
Water Depth	0 ft.	0.5 ft.
Evidence of oil and grease	☐ Y ☒ N	☐ Y ☒ N
Sulfur smell	☐ Y ☒ N	☐ Y ☒ N
Accessible to vacuum truck	☒ Y ☐ N	☒ Y ☐ N

D. NON-RESIDENTIAL PARKING LOT (>2 acres)

D1. Approximate size: _____ acres

D2. Lot Utilization: ☐ Full ☐ About half full ☐ Empty

D3. Overall condition of Pavement: ☐ Smooth (no cracks) ☐ Medium (few cracks) ☐ Rough (many cracks) ☐ Very Rough (numerous cracks and depressions)

D4. Is lot served by a storm water treatment practice? ☐ Y ☐ N If yes, describe: _____

D5. On-site retrofit potential: ☐ Excellent ☐ Good ☐ Poor

E. Municipal Pollutant Reduction Strategies

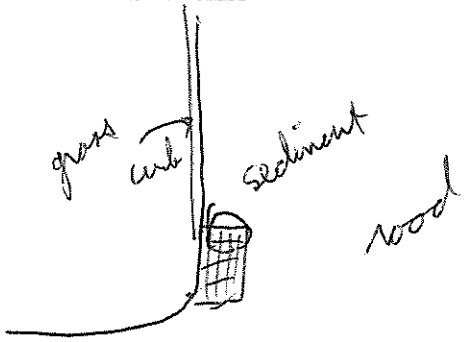
E1. Degree of pollutant accumulation in the system: ☐ High ☐ Medium ☐ Low ☐ None

E2. Rate the feasibility of the following pollution prevention strategies:

Street Sweeping:	☐ High	☒ Moderate	☐ Low
Storm Drain Stenciling:	☐ High	☐ Moderate	☒ Low
Catch Basin Clean-outs:	☒ High	☐ Moderate	☐ Low
Parking Lot Retrofit Potential:	☐ High	☐ Moderate	☒ Low

Catch Basin Sketches

#1



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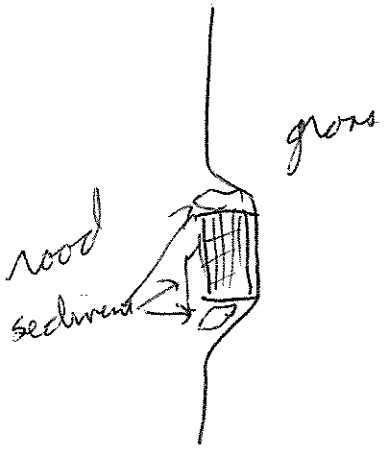


Notes:

Hotspot Site Investigation **HSI**

WATERSHED: MPT	SUBWATERSHED: MPT	UNIQUE SITE ID: MHSI-MPT-02
DATE: 10/15/10	ASSESSED BY: DCB / CAMERA ID:	PIC#: 105-107
MAP GRID:	LAT 41° 17' 42.0" LONG 73° 14' 11.6"	LMK #

A. SITE DATA AND BASIC CLASSIFICATION

Name and Address: Trumbull Printing 105 Spring Hill Rd

Category: ☒ Commercial ☒ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related
Miscellaneous: ☐ Golf Course ☐ Marina ☐ Animal Facility

SIC code (if available): _____

Basic Description of Operation: _____

NPDES Status: ☐ Regulated ☐ Unregulated ☐ Unknown

	INDEX*
B. VEHICLE OPERATIONS ☒ **N/A** *(Skip to part C)*	**Observed Pollution Source?** ☐
B1. Types of vehicles: ☐ Fleet vehicles ☐ School buses ☐ Other: _____	
B2. Approximate number of vehicles: _____	
B3. Vehicle activities *(circle all that apply)*: Maintained Repaired Recycled Fueled Washed Stored	○
B4. Are vehicles stored and/or repaired outside? ☐ Y ☐ N ☐ Can't Tell Are these vehicles lacking runoff diversion methods? ☐ Y ☐ N ☐ Can't Tell	○
B5. Is there evidence of spills/leakage from vehicles? ☐ Y ☐ N ☐ Can't Tell	○
B6. Are uncovered outdoor fueling areas present? ☐ Y ☐ N ☐ Can't Tell	○
B7. Are fueling areas directly connected to storm drains? ☐ Y ☐ N ☐ Can't Tell	○
B8. Are vehicles washed outdoors? ☐ Y ☐ N ☐ Can't Tell Does the area where vehicles are washed discharge to the storm drain? ☐ Y ☐ N ☐ Can't Tell	○
OUTDOOR MATERIALS ☐ **N/A** *(Skip to part D)*	**Observed Pollution Source?** ☐
C1. Are loading/unloading operations present? ☒ Y ☐ N ☐ Can't Tell If yes, are they uncovered *and* draining towards a storm drain inlet? ☐ Y ☐ N ☐ Can't Tell	●
C2. Are materials stored outside? ☒ Y ☐ N ☐ Can't Tell If yes, are they ☐ Liquid ☒ Solid Description: dust collection system Where are they stored? ☐ grass/dirt area ☒ concrete/asphalt ☐ bermed area	●
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? ☐ Y ☐ N ☒ Can't Tell	○
C4. Is staining or discoloration around the area visible? ☐ Y ☐ N ☒ Can't Tell	○
C5. Does outdoor storage area lack a cover? ☒ Y ☐ N ☐ Can't Tell	●
C6. Are liquid materials stored *without* secondary containment? ☐ Y ☒ N ☐ Can't Tell	○
C7. Are storage containers missing labels or in poor condition (rusting)? ☐ Y ☐ N ☒ Can't Tell	○
D. WASTE MANAGEMENT ☐ **N/A** *(Skip to part E)*	**Observed Pollution Source?** ☐
D1. Type of waste *(check all that apply)*: ☒ Garbage ☐ Construction materials ☐ Hazardous materials	○
D2. Dumpster condition *(check all that apply)*: ☐ No cover/Lid is open ☐ Damaged/poor condition ☐ Leaking or evidence of leakage (stains on ground) ☐ Overflowing covers full	○
D3. Is the dumpster located near a storm drain inlet? ☐ Y ☐ N ☒ Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? ☐ Y ☐ N ☐ Can't Tell	○
E. PHYSICAL PLANT ☐ **N/A** *(Skip to part F)*	**Observed Pollution Source?** ☐
E1. Building: Approximate age: 20 yrs. Condition of surfaces: ☐ Clean ☒ Stained ☐ Dirty ☐ Damaged	○
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? ☐ Y ☐ N ☒ Don't know	○

*Index: ○ denotes potential pollution source; ☐ denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age 20 yrs. Condition: ☐ Clean ☒ Stained ☐ Dirty ☐ Breaking up
Surface material ☒ Paved/Concrete ☐ Gravel ☐ Permeable ☐ Don't know

E3. Do downspouts discharge to impervious surface? ☐ Y ☒ N ☐ Don't know ☐ None visible
Are downspouts directly connected to storm drains? ☒ Y ☐ N ☐ Don't know

E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? ☐ Y ☐ N ☐ Can't Tell

F. TURF/LANDSCAPING AREAS ☐ **N/A** *(skip to part G)* — **Observed Pollution Source?**

F1. % of site with: Forest canopy 25% Turf grass 20 % Landscaping ____% Bare Soil ____%

F2. Rate the turf management status: ☐ High ☒ Medium ☐ Low

F3. Evidence of permanent irrigation or "non-target" irrigation ☐ Y ☐ N ☒ Can't Tell

F4. Do landscaped areas drain to the storm drain system? ☒ Y ☐ N ☐ Can't Tell

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? ☐ Y ☐ N ☒ Can't Tell

G. STORM WATER INFRASTRUCTURE ☐ **N/A** *(skip to part H)* — **Observed Pollution Source?**

G1. Are storm water treatment practices present? ☐ Y ☐ N ☒ Unknown If yes, please describe: _____

G2. Are private storm drains located at the facility? ☒ Y ☐ N ☐ Unknown
Is trash present in gutters leading to storm drains? If so, complete the index below.

Index Rating for Accumulation in Gutters

	Clean				Filthy
Sediment	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5
Organic material	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5
Litter	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5

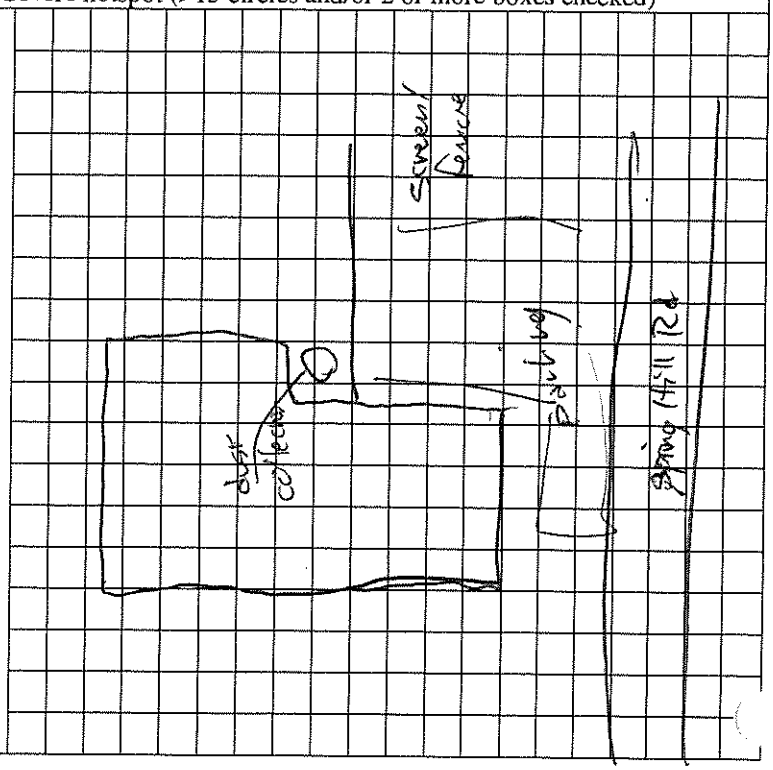
G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: ☐ Dirty ☐ Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

☒ Not a hotspot (fewer than 5 circles and no boxes checked) ☐ Potential hotspot (5 to 10 circles but no boxes checked)
☐ Confirmed hotspot (10 to 15 circles and/or 1 box checked) ☐ Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:
- ☐ Refer for immediate enforcement
- ☐ Suggest follow-up on-site inspection
- ☐ Test for illicit discharge
- ☐ Include in future education effort
- ☐ Check to see if hotspot is an NPDES non-filer
- ☐ Onsite non-residential retrofit
- ☐ Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____
- ☐ Schedule a review of storm water pollution prevention plan

Notes:



Hotspot Site Investigation **HSI**

WATERSHED: Peq	SUBWATERSHED: MPT	UNIQUE SITE ID: HSI-MPT-02
DATE: 10/18/10	ASSESSED BY: DRB / CAMERA ID: Conan	PIC#: 109-116
MAP GRID:	LAT 41 17 43.2" LONG 73 14 26.6"	LMK #

A. SITE DATA AND BASIC CLASSIFICATION

Name and Address: ~~EZRA TRANSFER~~ BUS MAINTENANCE YARD & Transfer Station

Category: ☐ Commercial ☒ Industrial ☐ Institutional ☒ Municipal ☒ Transport-Related
Miscellaneous: ☐ Golf Course ☐ Marina ☐ Animal Facility

SIC code (if available): _____

NPDES Status: ☐ Regulated ☐ Unregulated ☐ Unknown

Basic Description of Operation: _____

INDEX*

B. VEHICLE OPERATIONS ☐ **N/A** *(Skip to part C)* — **Observed Pollution Source?** ☐

B1. Types of vehicles: ☐ Fleet vehicles ☒ School buses ☐ Other: _____

B2. Approximate number of vehicles: 100

B3. Vehicle activities *(circle all that apply)*: Maintained Repaired Recycled Fueled Washed Stored — ●

B4. Are vehicles stored and/or repaired outside? ☒ Y ☐ N ☐ Can't Tell repaired indoors — ○
Are these vehicles lacking runoff diversion methods? ☐ Y ☒ N ☐ Can't Tell

B5. Is there evidence of spills/leakage from vehicles? ☐ Y ☐ N ☒ Can't Tell — ○

B6. Are uncovered outdoor fueling areas present? ☒ Y ☐ N ☐ Can't Tell — ●

B7. Are fueling areas directly connected to storm drains? ☐ Y ☐ N ☒ Can't Tell — ○

B8. Are vehicles washed outdoors? ☐ Y ☐ N ☒ Can't Tell likely not — ○
Does the area where vehicles are washed discharge to the storm drain? ☐ Y ☐ N ☐ Can't Tell

C. OUTDOOR MATERIALS ☒ **N/A** *(Skip to part D)* — **Observed Pollution Source?** ☐

C1. Are loading/unloading operations present? ☐ Y ☐ N ☐ Can't Tell — ○
If yes, are they uncovered *and* draining towards a storm drain inlet? ☐ Y ☐ N ☐ Can't Tell

C2. Are materials stored outside? ☐ Y ☐ N ☐ Can't Tell If yes, are they ☐ Liquid ☐ Solid Description: _____ — ○
Where are they stored? ☐ grass/dirt area ☐ concrete/asphalt ☐ bermed area

C3. Is the storage area directly or indirectly connected to storm drain (circle one)? ☐ Y ☐ N ☐ Can't Tell — ○

C4. Is staining or discoloration around the area visible? ☐ Y ☐ N ☐ Can't Tell — ○

C5. Does outdoor storage area lack a cover? ☐ Y ☐ N ☐ Can't Tell — ○

C6. Are liquid materials stored *without* secondary containment? ☐ Y ☐ N ☐ Can't Tell — ○

C7. Are storage containers missing labels or in poor condition (rusting)? ☐ Y ☐ N ☐ Can't Tell — ○

D. WASTE MANAGEMENT ☐ **N/A** *(Skip to part E)* Covered area — **Observed Pollution Source?** ☐

D1. Type of waste *(check all that apply)*: ☐ Garbage ☐ Construction materials ☐ Hazardous materials — ○

D2. Dumpster condition (*check all that apply*): ☐ No cover/Lid is open ☐ Damaged/poor condition ☐ Leaking or evidence of leakage (stains on ground) ☐ Overflowing — ○

D3. Is the dumpster located near a storm drain inlet? ☐ Y ☐ N ☐ Can't Tell — ○
If yes, are runoff diversion methods (berms, curbs) lacking? ☐ Y ☐ N ☐ Can't Tell

E. PHYSICAL PLANT ☐ **N/A** *(Skip to part F)* — **Observed Pollution Source?** ☐

E1. Building: Approximate age: 20 yrs. Condition of surfaces: ☒ Clean ☐ Stained ☐ Dirty ☐ Damaged — ○
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? ☐ Y ☐ N ☒ Don't know — ○

*Index: ○ denotes potential pollution source; ☐ denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age 25 yrs. Condition: ☐ Clean ☐ Stained ☐ Dirty ☐ Breaking up
Surface material ☒ Paved/Concrete ☒ Gravel ☐ Permeable ☐ Don't know ○

E3. Do downspouts discharge to impervious surface? ☐ Y ☐ N ☐ Don't know ☒ None visible
Are downspouts directly connected to storm drains? ☐ Y ☐ N ☐ Don't know ○

E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? ☐ Y ☐ N ☐ Can't Tell ○

F. TURF/LANDSCAPING AREAS ☐ **N/A** *(skip to part G)* | **Observed Pollution Source?**

F1. % of site with: Forest canopy 40 % Turf grass 40 % Landscaping ~0 % Bare Soil ___ % ○

F2. Rate the turf management status: ☐ High ☐ Medium ☒ Low ○

F3. Evidence of permanent irrigation or "non-target" irrigation ☐ Y ☐ N ☐ Can't Tell ○

F4. Do landscaped areas drain to the storm drain system? ☐ Y ☐ N ☐ Can't Tell ○

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? ☐ Y ☐ N ☐ Can't Tell ○

G. STORM WATER INFRASTRUCTURE ☐ **N/A** *(skip to part H)* | **Observed Pollution Source?**

G1. Are storm water treatment practices present? ☐ Y ☒ N ☐ Unknown If yes, please describe: _____ ○

G2. Are private storm drains located at the facility? ☒ Y ☐ N ☐ Unknown
Is trash present in gutters leading to storm drains? If so, complete the index below. ○

Index Rating for Accumulation in Gutters

	Clean				Filthy
Sediment	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Organic material	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Litter	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5

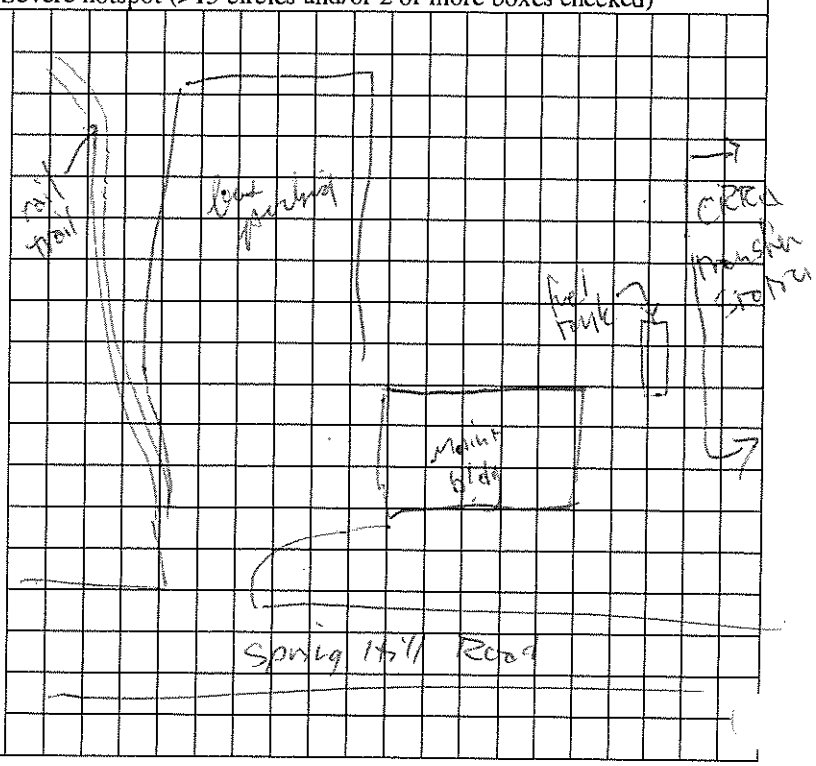
G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: ☐ Dirty ☐ Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

☒ Not a hotspot (fewer than 5 circles and no boxes checked) ☐ Potential hotspot (5 to 10 circles but no boxes checked)
☐ Confirmed hotspot (10 to 15 circles and/or 1 box checked) ☐ Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:
- ☐ Refer for immediate enforcement
- ☐ Suggest follow-up on-site inspection
- ☐ Test for illicit discharge
- ☐ Include in future education effort
- ☐ Check to see if hotspot is an NPDES non-filer
- ☐ Onsite non-residential retrofit
- ☐ Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____
- ☐ Schedule a review of storm water pollution prevention plan

Notes:



Neighborhood Source Assessment **NSA**

WATERSHED: Rog	**SUBWATERSHED:** NA MPT	**UNIQUE SITE ID:** NSA-MPT-01	
DATE: 10/26/10	**ASSESSED BY:** DTB	**CAMERA ID:** Canon	**PIC#:** 117-119

A. NEIGHBORHOOD CHARACTERIZATION

Neighborhood/Subdivision Name: ~~Cedar Hill~~ Reflexing Meadows Neighborhood Area (acres) _____
If unknown, address (or streets) surveyed:

Homeowners Association? ☒ Y ☐ N ☐ Unknown If yes, name and contact information: _____

Residential *(circle average single family lot size):*

☒ Single Family Attached (Duplexes, Row Homes) <⅛ (⅛) ¼ ⅓ ½ acre ☐ Multifamily (Apts, Townhomes, Condos)
☐ Single Family Detached <¼ ¼ ½ 1 >1 acre ☐ Mobile Home Park

Estimated Age of Neighborhood: 5 years	Percent of Homes with Garages: 100 % With Basements 0 %	**INDEX***
Sewer Service? ☐ Y ☐ N		○
Index of Infill, Redevelopment, and Remodeling ☒ No Evidence ☐ <5% of units ☐ 5-10% ☐ >10%		○

Record percent observed for each of the following indicators, depending on applicability and/or site complexity	Percentage	Comments/Notes	
B. YARD AND LAWN CONDITIONS			
B1. % of lot with impervious cover	60		
B2. % of lot with grass cover	35		○
B3. % of lot with landscaping (e.g., mulched bed areas)	5		◇
B4. % of lot with bare soil	0		○
**Note: B1 through B4 must total 100%*			
B5. % of lot with forest canopy	20		◇
B6. Evidence of permanent irrigation or "non-target" irrigation	100		●
B7. Proportion of *total neighborhood* turf lawns with following management status:	High: 100		●
	Med: ___		
	Low: ___		
B8. Outdoor swimming pools? ☐ Y ☒ N ☐ Can't Tell Estimated # ___			○
B9. Junk or trash in yards? ☐ Y ☒ N ☐ Can't Tell			○
C. DRIVEWAYS, SIDEWALKS, AND CURBS			
C1. % of driveways that are impervious ☐ N/A	100		
C2. Driveway Condition ☒ Clean ☐ Stained ☐ Dirty ☐ Breaking up Driveways unmarked			○
C3. Are sidewalks present? ☐ Y ☒ N If yes, are they on one side of street ☐ or along both sides ☐			
☐ Spotless ☐ Covered with lawn clippings/leaves ☐ Receiving 'non-target' irrigation			○
What is the distance between the sidewalk and street? _____ ft.			◇
Is pet waste present in this area? ☐ Y ☐ N ☐ N/A			○
C4. Is curb and gutter present? ☒ Y ☐ N If yes, check all that apply:			
☒ Clean and Dry ☐ Flowing or standing water ☐ Long-term car parking ☐ Sediment			○
☐ Organic matter, leaves, lawn clippings ☐ Trash, litter, or debris ☐ Overhead tree canopy			◇

* INDEX: ○ denotes potential pollution source; ◇ denotes a neighborhood restoration opportunity

D. ROOFTOPS			
D1. Downspouts are directly connected to storm drains or sanitary sewer	100%		◆ ●
D2. Downspouts are directed to impervious surface	N		
D3. Downspouts discharge to pervious area	N		
D4. Downspouts discharge to a cistern, rain barrel, etc.	N		
**Note: C1 through C4 should total 100%*			
D5. Lawn area present downgradient of leader for rain garden? ☒ Y ☐ N			◇
E. COMMON AREAS			
E1. Storm drain inlets? ☒ Y ☐ N If yes, are they stenciled? ☐ Y ☒ N Condition: ☐ Clean ☐ Dirty			◆
Catch basins inspected? ☐ Y ☐ N If yes, include Unique Site ID from SSD sheet: _____			○
E2. Storm water pond? ☒ Y ☐ N Is it a ☐ wet pond or ☒ dry pond? Is it overgrown? ☐ Y ☒ N What is the estimated pond area? ☒ <1 acre ☐ about 1 acre ☐ > 1 acre *Comma Locate*			◇
E3. Open Space? ☐ Y ☐ N If yes, is pet waste present? ☐ Y ☐ N dumping? ☐ Y ☐ N *maybe*			○
Buffers/floodplain present: ☐ Y ☐ N If yes, is encroachment evident? ☐ Y ☐ N			
F. INITIAL NEIGHBORHOOD ASSESSMENT AND RECOMMENDATIONS			
Based on field observations, this neighborhood has significant indicators for the following: *(check all that apply)* ☒ Nutrients ☐ Oil and Grease ☐ Trash/Litter ☐ Bacteria ☐ Sediment ☐ Other _____			○

Recommended Actions

Specific Action

- ☐ Onsite retrofit potential?
- ☒ Better lawn/landscaping practice? *Less fertilizer intensive*
- ☐ Better management of common space?
- ☒ Pond retrofit?
- ☐ Multi-family Parking Lot Retrofit?
- ☐ Other action(s) _____

Describe Recommended Actions:

Stormwater pond has gulley through the bottom, no forebay

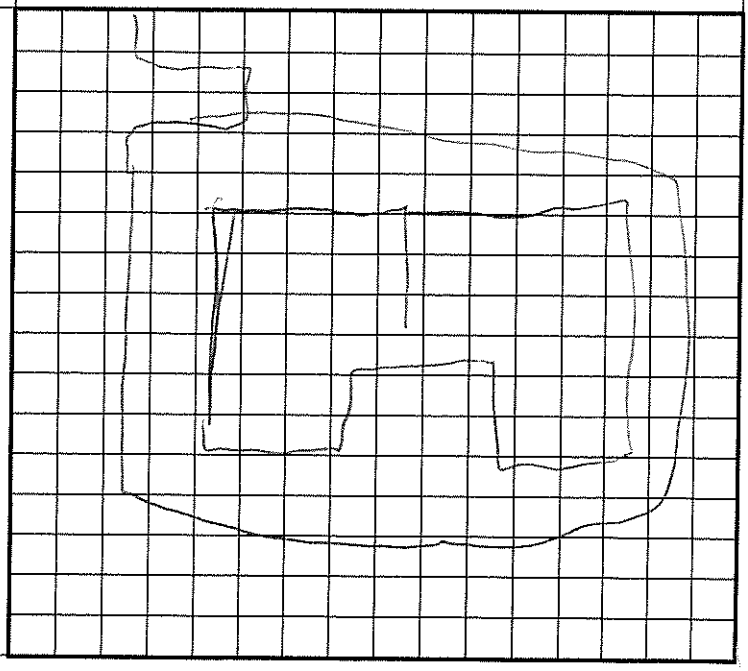
Initial Assessment

NSA Pollution Severity Index

- ☐ Severe (More than 10 circles checked)
- ☐ High (5 to 10 circles checked)
- ☒ Moderate (Fewer than 5 circles checked)
- ☐ None (No circles checked)

Neighborhood Restoration Opportunity Index

- ☐ High (More than 5 diamonds checked)
- ☐ Moderate (3-5 diamonds checked)
- ☒ Low (Fewer than 3 diamonds checked)



NOTES:

Retrofit Reconnaissance Investigation **RRI**

WATERSHED: MPT	SUBWATERSHED: MPT	UNIQUE SITE ID: RRI-MPT-01	
DATE: 10/19/10	ASSESSED BY: DRB	CAMERA ID: Canon	PICTURES: 121 - 128
GPS ID:	LMK ID:	LAT: 41°17.230'	LONG: 73°14.108'

SITE DESCRIPTION

Name: Commuter lot
Address: @ junc. Rt 111 & 25

Ownership: ☒ Public ☐ Private ☐ Unknown
If Public, Government Jurisdiction: ☐ Local ☐ State ☒ DOT ☐ Other:

Corresponding USSR/USA Field Sheet? ☐ Yes ☐ No If yes, Unique Site ID:

Proposed Retrofit Location:

Storage
- ☐ Existing Pond
- ☐ Below Outfall
- ☒ In Road ROW
- ☐ Other:
- ☐ Above Roadway Culvert
- ☐ In Conveyance System
- ☒ Near Large Parking Lot

On-Site
- ☐ Hotspot Operation
- ☐ Small Parking Lot
- ☐ Individual Street
- ☐ Underground
- ☐ Individual Rooftop
- ☐ Small Impervious Area
- ☐ Landscape / Hardscape
- ☐ Other:

DRAINAGE AREA TO PROPOSED RETROFIT

Drainage Area ≈ 2.5
Imperviousness ≈ 80-90 %
Impervious Area ≈

Notes:

Drainage Area Land Use:
- ☐ Residential
  - ☐ SFH (< 1 ac lots)
  - ☐ SFH (> 1 ac lots)
  - ☐ Townhouses
  - ☐ Multi-Family
- ☐ Commercial
- ☐ Institutional
- ☐ Industrial
- ☒ Transport-Related
- ☐ Park
- ☐ Undeveloped
- ☐ Other:

EXISTING STORMWATER MANAGEMENT

Existing Stormwater Practice: ☐ Yes ☐ No ☐ Possible
If Yes, Describe:

curb, gutter & storm drains

Describe Existing Site Conditions, Including Existing Site Drainage and Conveyance:

sloped pavement to catch basins

Existing Head Available and Points Where Measured:

4-5 ft available in CB at NE corner

Unique Site ID:

PROPOSED RETROFIT

Purpose of Retrofit:
☒ Water Quality ☐ Recharge ☐ Channel Protection ☐ Flood Control
☐ Demonstration / Education ☐ Repair ☐ Other:_____

Retrofit Volume Computations - Target Storage:

Retrofit Volume Computations - Available Storage:

Proposed Treatment Option:
☐ Extended Detention ☐ Wet Pond ☐ Created Wetland ☒ Bioretention
☐ Filtering Practice ☐ Infiltration ☒ Swale ☐ Other:_____

Describe Elements of Proposed Retrofit, Including Surface Area, Maximum Depth of Treatment, and Conveyance:

regrade area between RT 111 & lot into swale for treatment via overland flow

SITE CONSTRAINTS

Adjacent Land Use:
☐ Residential ☐ Commercial ☐ Institutional
☐ Industrial ☒ Transport-Related ☐ Park
☐ Undeveloped ☐ Other:_____
Possible Conflicts Due to Adjacent Land Use? ☐ Yes ☐ No
If Yes, Describe:

Access:
☐ No Constraints
Constrained due to
☐ Slope ☐ Space
☒ Utilities ☒ Tree Impacts
☐ Structures ☐ Property Ownership
☐ Other:_____

traffic signal mast arm

Conflicts with Existing Utilities:
☐ None
☐ Unknown

Yes	Possible	
☐	☐	Sewer
☐	☐	Water
☐	☐	Gas
☐	☐	Cable
☐	☒	Electric
☐	☒	Electric to Streetlights
☐		Overhead Wires
☐	☐	Other:_____

Potential Permitting Factors:

Dam Safety Permits Necessary	☐ Probable	☐ Not Probable
Impacts to Wetlands	☐ Probable	☐ Not Probable
Impacts to a Stream	☐ Probable	☐ Not Probable
Floodplain Fill	☐ Probable	☐ Not Probable
Impacts to Forests	☐ Probable	☐ Not Probable
Impacts to Specimen Trees	☐ Probable	☐ Not Probable

How many?_____
Approx. DBH_____

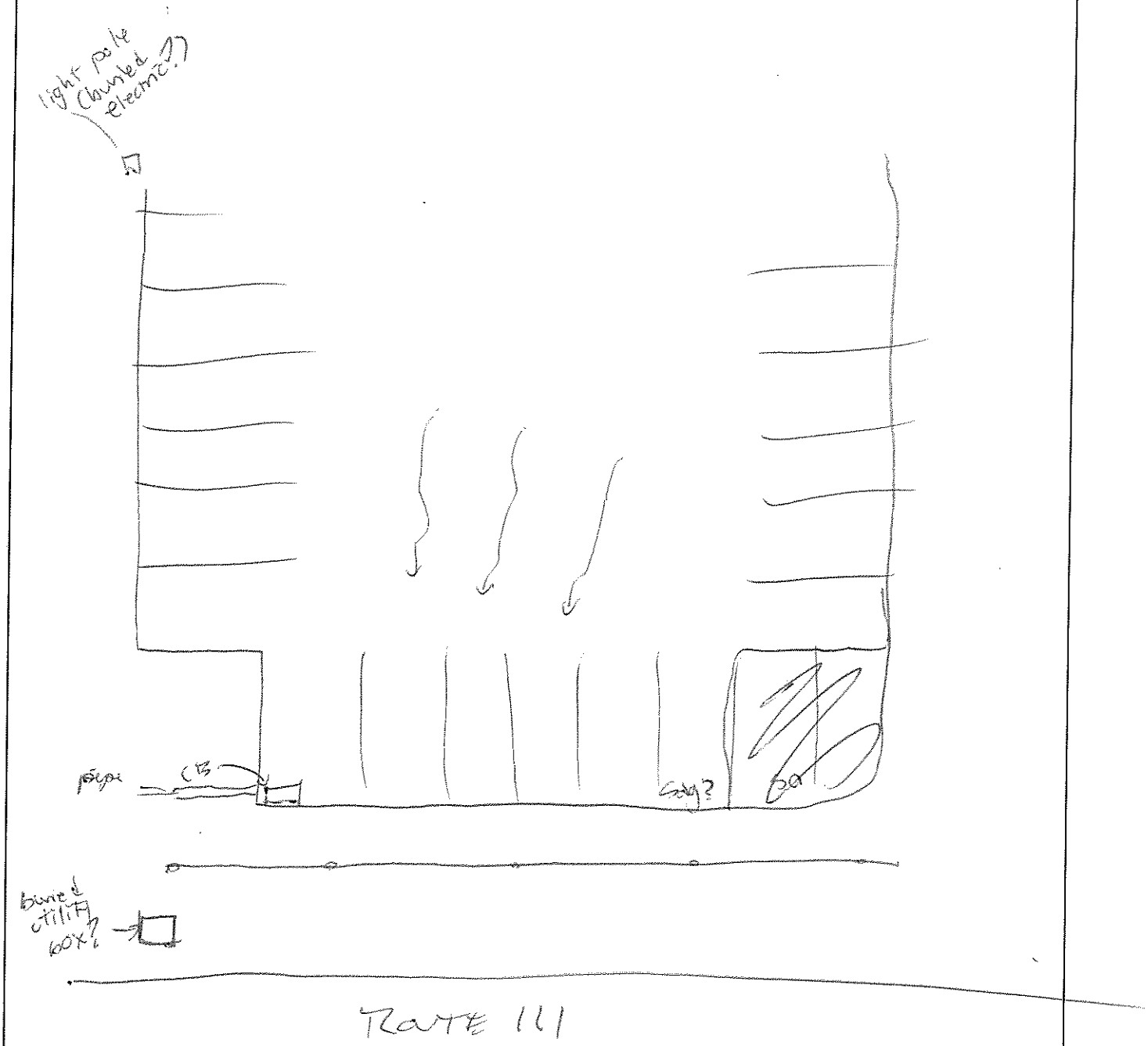
Other factors:_____

Soils:

Soil auger test holes:	☐ Yes	☐ No
Evidence of poor infiltration (clays, fines):	☐ Yes	☐ No
Evidence of shallow bedrock:	☐ Yes	☐ No
Evidence of high water table (gleying, saturation):	☐ Yes	☐ No

Unique Site ID:_____

SKETCH RRI-MPT-01



Unique Site ID:_____

DESIGN OR DELIVERY NOTES

Swale might need to be shallow, flat bottomed, or pitch opposite topography to increase flow length

FOLLOW-UP NEEDED TO COMPLETE FIELD CONCEPT

- [x] Confirm property ownership
- [x] Confirm drainage area
- [x] Confirm drainage area impervious cover
- [x] Confirm volume computations
- [x] Complete concept sketch
- [ ] Obtain existing stormwater practice as-builts
- [x] Obtain site as-builts
- [x] Obtain detailed topography
- [x] Obtain utility mapping
- [x] Confirm storm drain invert elevations
- [x] Confirm soil types
- [ ] Other:_____

INITIAL FEASIBILITY AND CONSTRUCTION CONSIDERATIONS

SITE CANDIDATE FOR FURTHER INVESTIGATION:	☐ YES	☐ NO	☐ MAYBE
IS SITE CANDIDATE FOR EARLY ACTION PROJECT(S):	☐ YES	☐ NO	☐ MAYBE
IF NO, SITE CANDIDATE FOR OTHER RESTORATION PROJECT(S):	☐ YES	☐ NO	☐ MAYBE

IF YES, TYPE(S):_____

Unique Site ID:_____

WATERSHED: Rg	**SUBWATERSHED:** MPT	**UNIQUE SITE ID:** SSD-MPT-03
DATE: 10/18/10	**ASSESSED BY:** DRB	**CAMERA ID:** Canon
MAP GRID	**RAIN IN LAST 24 HOURS** ☐ Y ☒ N	**PIC #** ~~100 123~~ 121-128

A. LOCATION

A1. Street names or neighborhood surveyed: _____

A2. Adjacent land use: ☐ Residential ☐ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related

A3. Corresponding HSI or NSA field sheet? If so, circle HSI or NSA and record its Unique Site ID here RKI-MPT-01

B. STREET CONDITIONS

B1. Road Type: ☐ Arterial ☐ Collector ☐ Local ☐ Alley ☐ Other: parking

B2. Condition of Pavement: ☐ New ☐ Good ☒ Cracked ☐ Broken

B3. Is on-street parking permitted ☐ Y ☒ N If yes, approximate number of cars per block: _____

B4. Are large cul-de-sacs present? ☐ Y ☐ N N/A

B5. Is trash present in curb and gutter? If so, use the index to the right to record amount.

	Index Rating for Accumulation in Gutters				
	Clean				Filthy
Sediment	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5
Organic Material	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5
Litter	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5

C. STORM DRAIN INLETS AND CATCH BASINS

C1. Type of storm drain conveyance: ☐ open ☒ enclosed ☐ mixed

C2. Percentage of inlets with catch basin storage: _____ ☐ N/A

Sample 1-2 catch basins per NSA/HSI	**C3.** Catch basin #1	**C4.** Catch basin #2
Latitude	41° 17.224' N	41° 17.218' N
Longitude	73° 14.106' W	73° 14.068' W
LMK #		
Picture #	123	126
Current Condition	☒ Wet ☐ Dry	☐ Wet ☒ Dry
Condition of Inlet	☒ Clear ☐ Obstructed	☒ Clear ☐ Obstructed
Litter Accumulation	☐ Y ☒ N	☐ Y ☒ N
Organics Accumulation	☒ Y ☐ N	☒ Y ☐ N
Sediment Accumulation	☒ Y ☐ N	☒ Y ☐ N
Sediment Depth (in feet)	2+ ft.	2+ ft.
Water Depth	0.5 ft.	0 ft.
Evidence of oil and grease	☐ Y ☒ N	☐ Y ☒ N
Sulfur smell	☐ Y ☒ N	☐ Y ☒ N
Accessible to vacuum truck	☒ Y ☐ N	☒ Y ☐ N

D. NON-RESIDENTIAL PARKING LOT (>2 acres)

D1. Approximate size: 2-3 acres

D2. Lot Utilization: ☐ Full ☒ About half full ☒ Empty

D3. Overall condition of Pavement: ☐ Smooth (no cracks) ☐ Medium (few cracks) ☒ Rough (many cracks) ☐ Very Rough (numerous cracks and depressions)

D4. Is lot served by a storm water treatment practice? ☐ Y ☒ N If yes, describe: _____

D5. On-site retrofit potential: ☐ Excellent ☒ Good ☐ Poor

E. Municipal Pollutant Reduction Strategies

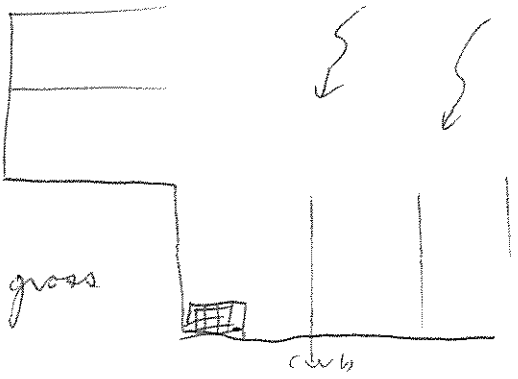
E1. Degree of pollutant accumulation in the system: ☒ High ☐ Medium ☐ Low ☐ None

E2. Rate the feasibility of the following pollution prevention strategies:

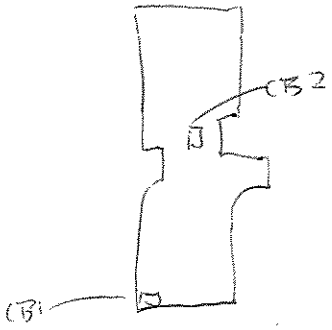
Street Sweeping:	☐ High	☒ Moderate	☐ Low
Storm Drain Stenciling:	☐ High	☒ Moderate	☐ Low
Catch Basin Clean-outs:	☒ High	☐ Moderate	☐ Low
Parking Lot Retrofit Potential:	☒ High	☐ Moderate	☐ Low

Catch Basin Sketches

#1



#2



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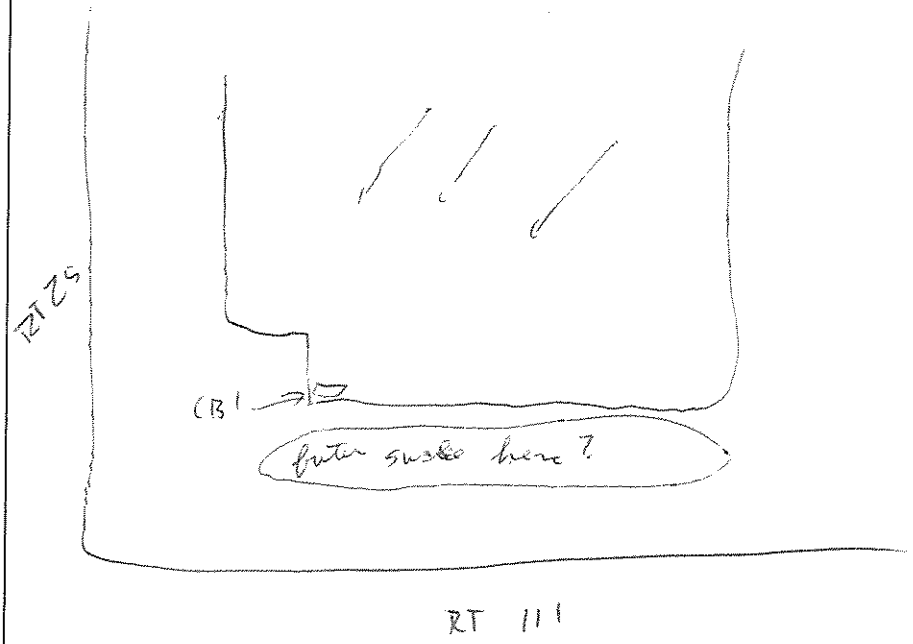


Neighborhood Source Assessment **NSA**

WATERSHED: Peq	**SUBWATERSHED:** MPT	**UNIQUE SITE ID:** NSA-MPT-02
DATE: 10/16/10	**ASSESSED BY:** DTB	**CAMERA ID:** Canon **PIC#:** 129-132

A. NEIGHBORHOOD CHARACTERIZATION

Neighborhood/Subdivision Name: Teller Rd/ Shining Pond Trl Neighborhood Area (acres) _____

If unknown, address (or streets) surveyed:

Homeowners Association? ☐ Y ☒ N ☐ Unknown If yes, name and contact information: _____

Residential *(circle average single family lot size):*

☐ Single Family Attached (Duplexes, Row Homes) <⅛ ⅛ ¼ ⅓ ½ acre ☐ Multifamily (Apts, Townhomes, Condos)

☒ Single Family Detached <¼ ¼ ½ (1) >1 acre ☐ Mobile Home Park

Estimated Age of Neighborhood: 30 years | Percent of Homes with Garages: ____% With Basements ____%

Sewer Service? ☐ Y ☒ N

Index of Infill, Redevelopment, and Remodeling ☐ No Evidence ☑ <5% of units ☐ 5-10% ☐ >10%

Record percent observed for each of the following indicators, depending on applicability and/or site complexity	Percentage	Comments/Notes	INDEX*
B. YARD AND LAWN CONDITIONS			
B1. % of lot with impervious cover	30%		
B2. % of lot with grass cover	60		○
B3. % of lot with landscaping (e.g., mulched bed areas)	10%		◇
B4. % of lot with bare soil	0 %		○
**Note: B1 through B4 must total 100%*			
B5. % of lot with forest canopy	20%		◇
B6. Evidence of permanent irrigation or "non-target" irrigation	~~1 Cul~~		○
B7. Proportion of *total neighborhood* turf lawns with following management status:	High: 50		○
	Med: 50		
	Low: ____		
B8. Outdoor swimming pools? ☒ Y ☐ N ☐ Can't Tell Estimated # 5/6			○
B9. Junk or trash in yards? ☐ Y ☒ N ☐ Can't Tell			○
C. DRIVEWAYS, SIDEWALKS, AND CURBS			
C1. % of driveways that are impervious ☐ N/A	80%		
C2. Driveway Condition ☒ Clean ☐ Stained ☐ Dirty ☐ Breaking up			○
C3. Are sidewalks present? ☐ Y ☑ N If yes, are they on one side of street ☐ or along both sides ☐			
☐ Spotless ☐ Covered with lawn clippings/leaves ☐ Receiving 'non-target' irrigation			○
What is the distance between the sidewalk and street? _____ ft.			◇
Is pet waste present in this area? ☐ Y ☐ N ☐ N/A			○
C4. Is curb and gutter present? ☒ Y ☐ N If yes, check all that apply:			
☐ Clean and Dry ☐ Flowing or standing water ☐ Long-term car parking ☒ Sediment			◉
☒ Organic matter, leaves, lawn clippings ☐ Trash, litter, or debris ☒ Overhead tree canopy			◆

* INDEX: ○ denotes potential pollution source; ◇ denotes a neighborhood restoration opportunity

D. ROOFTOPS			
D1. Downspouts are directly connected to storm drains or sanitary sewer	0		◇ ○
D2. Downspouts are directed to impervious surface	20%		
D3. Downspouts discharge to pervious area	80%		
D4. Downspouts discharge to a cistern, rain barrel, etc.	N/A		
**Note: C1 through C4 should total 100%*			
D5. Lawn area present downgradient of leader for rain garden? ☒ Y ☐ N			◇
E. COMMON AREAS			
E1. Storm drain inlets? ☒ Y ☐ N If yes, are they stenciled? ☐ Y ☒ N Condition: ☐ Clean ☐ Dirty			◇
Catch basins inspected? ☒ Y ☐ N If yes, include Unique Site ID from SSD sheet: SSD-MPT-02			○
E2. Storm water pond? ☐ Y ☒ N Is it a ☐ wet pond or ☐ dry pond? Is it overgrown? ☐ Y ☐ N What is the estimated pond area? ☐ <1 acre ☐ about 1 acre ☐ > 1 acre			◆
E3. Open Space? ☒ Y ☐ N If yes, is pet waste present? ☐ Y ☒ N dumping? ☐ Y ☒ N			○
Buffers/floodplain present: ☐ Y ☐ N If yes, is encroachment evident? ☐ Y ☐ N			
F. INITIAL NEIGHBORHOOD ASSESSMENT AND RECOMMENDATIONS			
Based on field observations, this neighborhood has significant indicators for the following: *(check all that apply)* ☒ Nutrients ☐ Oil and Grease ☐ Trash/Litter ☐ Bacteria ☒ Sediment ☐ Other _____			●

Recommended Actions

Specific Action

- ☐ Onsite retrofit potential?
- ☐ Better lawn/landscaping practice?
- ☐ Better management of common space?
- ☐ Pond retrofit?
- ☐ Multi-family Parking Lot Retrofit?
- ☐ Other action(s) _____

Describe Recommended Actions:

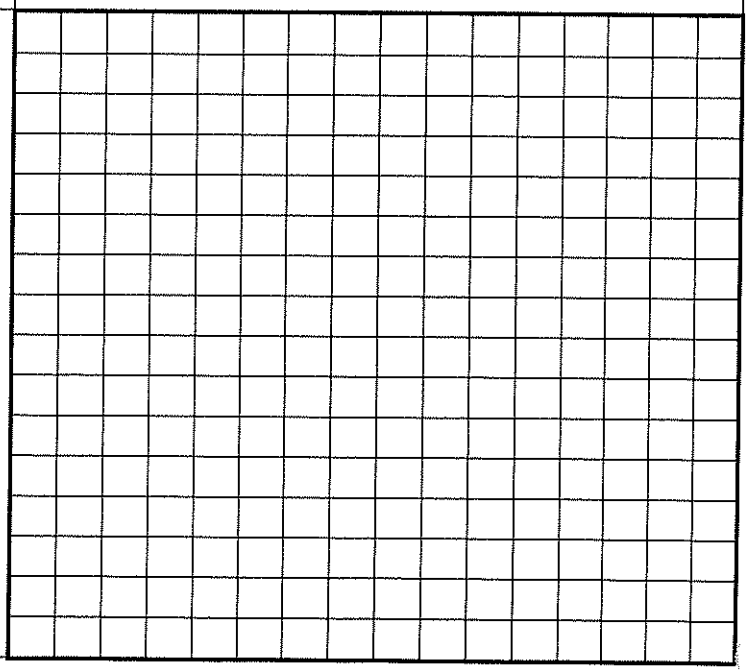
Initial Assessment

NSA Pollution Severity Index

- ☐ Severe (More than 10 circles checked)
- ☐ High (5 to 10 circles checked)
- ☒ Moderate (Fewer than 5 circles checked)
- ☐ None (No circles checked)

Neighborhood Restoration Opportunity Index

- ☐ High (More than 5 diamonds checked)
- ☐ Moderate (3-5 diamonds checked)
- ☒ Low (Fewer than 3 diamonds checked)



NOTES:

WATERSHED: Rog	**SUBWATERSHED:** MPT	**UNIQUE SITE ID:** SSD-MPT-04
DATE: 6/16/10	**ASSESSED BY:** DTCB	**CAMERA ID:** Canon
MAP GRID	**RAIN IN LAST 24 HOURS** ☐ Y ☐ N	**PIC #** 129-132

A. LOCATION

A1. Street names or neighborhood surveyed: Skating Pond Rd off Teller Rd

A2. Adjacent land use: ☒ Residential ☐ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related

A3. Corresponding HSI or NSA field sheet? If so, circle HSI or NSA and record its Unique Site ID here _____

B. STREET CONDITIONS

B1. Road Type: ☐ Arterial ☐ Collector ☒ Local ☐ Alley ☐ Other: _____

B2. Condition of Pavement: ☐ New ☐ Good ☒ Cracked ☐ Broken

B3. Is on-street parking permitted ☒ Y ☐ N If yes, approximate number of cars per block: 0

B4. Are large cul-de-sacs present? ☐ Y ☐ N

B5. Is trash present in curb and gutter? If so, use the index to the right to record amount.	Index Rating for Accumulation in Gutters				
	Clean				Filthy
Sediment	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5
Organic Material	☐ 1	☐ 2	☐ 3	☒ 4	☐ 5
Litter	☒ 1	☐ 2	☐ 3	☐ 4	☐ 5

C. STORM DRAIN INLETS AND CATCH BASINS

C1. Type of storm drain conveyance: ☐ open ☒ enclosed ☐ mixed

C2. Percentage of inlets with catch basin storage: _____ ☐ N/A unknown

Sample 1-2 catch basins per NSA/HSI	**C3.** Catch basin #1	**C4.** Catch basin #2
Latitude	41° 17.420'N	41° 17.451"
Longitude	73° 13.357'W	-73° 13.354"
LMK #		
Picture #	129	132
Current Condition	☐ Wet ☒ Dry	☐ Wet ☒ Dry
Condition of Inlet	☒ Clear ☒ Obstructed	☐ Clear ☒ Obstructed
Litter Accumulation	☐ Y ☒ N	☐ Y ☒ N
Organics Accumulation	☒ Y ☐ N	☒ Y ☐ N
Sediment Accumulation	☒ Y ☐ N	☒ Y ☐ N
Sediment Depth (in feet)	1+ ft.	1-2 ft.
Water Depth	0 ft.	0 ft.
Evidence of oil and grease	☐ Y ☒ N	☐ Y ☒ N
Sulfur smell	☐ Y ☒ N	☐ Y ☒ N
Accessible to vacuum truck	☒ Y ☐ N	☒ Y ☐ N

D. NON-RESIDENTIAL PARKING LOT (>2 acres)

D1. Approximate size: _____ acres

D2. Lot Utilization: ☐ Full ☐ About half full ☐ Empty

D3. Overall condition of Pavement: ☐ Smooth (no cracks) ☐ Medium (few cracks) ☐ Rough (many cracks) ☐ Very Rough (numerous cracks and depressions)

D4. Is lot served by a storm water treatment practice? ☐ Y ☐ N If yes, describe: _____

D5. On-site retrofit potential: ☐ Excellent ☐ Good ☐ Poor

E. Municipal Pollutant Reduction Strategies

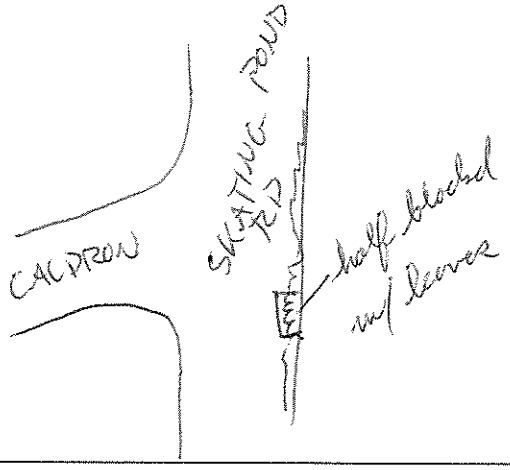
E1. Degree of pollutant accumulation in the system: ☐ High ☐ Medium ☐ Low ☐ None

E2. Rate the feasibility of the following pollution prevention strategies:

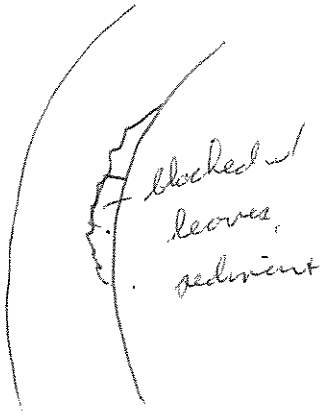
Street Sweeping:	☐ High	☒ Moderate	☐ Low
Storm Drain Stenciling:	☒ High	☐ Moderate	☐ Low
Catch Basin Clean-outs:	☒ High	☐ Moderate	☐ Low
Parking Lot Retrofit Potential:	☐ High	☐ Moderate	☐ Low

Catch Basin Sketches

#1



#2



Notes:

Neighborhood Source Assessment **NSA**

WATERSHED: Peq.	**SUBWATERSHED:** UBH	**UNIQUE SITE ID:** NSA-UBH-01
DATE: 10/16/10	**ASSESSED BY:** DTB	**CAMERA ID:** Canon **PIC#:** 133-136

A. NEIGHBORHOOD CHARACTERIZATION

Neighborhood/Subdivision Name: Shelter Rock Rd Neighborhood Area (acres) _____

If unknown, address (or streets) surveyed:

Homeowners Association? ☐ Y ☒ N ☐ Unknown If yes, name and contact information: _____

Residential *(circle average single family lot size):*

☐ Single Family Attached (Duplexes, Row Homes) <⅛ ⅛ ¼ ⅓ ½ acre ☐ Multifamily (Apts, Townhomes, Condos)

☒ Single Family Detached <¼ ¼ ½ (1) >1 acre ☐ Mobile Home Park

Estimated Age of Neighborhood: 40 years	Percent of Homes with Garages: ____% With Basements ____%	**INDEX***
Sewer Service? ☒ Y ☐ N		○
Index of Infill, Redevelopment, and Remodeling ☐ No Evidence ☒ <5% of units ☐ 5-10% ☐ >10%		○

Record percent observed for each of the following indicators, depending on applicability and/or site complexity	Percentage	Comments/Notes	
B. YARD AND LAWN CONDITIONS			
B1. % of lot with impervious cover	30		
B2. % of lot with grass cover	50		○
B3. % of lot with landscaping (e.g., mulched bed areas)	20		◇
B4. % of lot with bare soil	0		○
**Note: B1 through B4 must total 100%*	~~100~~		
B5. % of lot with forest canopy	50+		◇
B6. Evidence of permanent irrigation or "non-target" irrigation	20		○
B7. Proportion of *total neighborhood* turf lawns with following management status:	High: 40		○
	Med: 50		
	Low: 10		
B8. Outdoor swimming pools? ☐ Y ☐ N ☒ Can't Tell Estimated # ____			○
B9. Junk or trash in yards? ☐ Y ☒ N ☐ Can't Tell			○
C. DRIVEWAYS, SIDEWALKS, AND CURBS			
C1. % of driveways that are impervious ☐ N/A	~~90~~ 10%		
C2. Driveway Condition ☒ Clean ☐ Stained ☐ Dirty ☐ Breaking up			○
C3. Are sidewalks present? ☐ Y ☒ N If yes, are they on one side of street ☐ or along both sides ☐			
☐ Spotless ☐ Covered with lawn clippings/leaves ☐ Receiving 'non-target' irrigation			○
What is the distance between the sidewalk and street? _____ ft.			◇
Is pet waste present in this area? ☐ Y ☐ N ☐ N/A			○
C4. Is curb and gutter present? ☒ Y ☐ N If yes, check all that apply:			
☐ Clean and Dry ☐ Flowing or standing water ☐ Long-term car parking ☐ Sediment			○
☒ Organic matter, leaves, lawn clippings ☐ Trash, litter, or debris ☐ Overhead tree canopy			◆

* INDEX: ○ denotes potential pollution source; ◇ denotes a neighborhood restoration opportunity

D. ROOFTOPS			
D1. Downspouts are directly connected to storm drains or sanitary sewer	0		◇ ○
D2. Downspouts are directed to impervious surface	20		
D3. Downspouts discharge to pervious area	80		
D4. Downspouts discharge to a cistern, rain barrel, etc.	0		
**Note: C1 through C4 should total 100%*			
D5. Lawn area present downgradient of leader for rain garden? ☒ Y ☐ N			◇
E. COMMON AREAS			
E1. Storm drain inlets? ☒ Y ☐ N If yes, are they stenciled? ☐ Y ☒ N Condition: ☐ Clean ☒ Dirty			◇
Catch basins inspected? ☒ Y ☐ N If yes, include Unique Site ID from SSD sheet: SSD-UBH-01			○
E2. Storm water pond? ☐ Y ☒ N Is it a ☐ wet pond or ☐ dry pond? Is it overgrown? ☐ Y ☐ N What is the estimated pond area? ☐ <1 acre ☐ about 1 acre ☐ > 1 acre			◇
E3. Open Space? ☐ Y ☒ N If yes, is pet waste present? ☐ Y ☐ N dumping? ☐ Y ☐ N			○
Buffers/floodplain present: ☒ Y ☐ N If yes, is encroachment evident? ☐ Y ☐ N			
F. INITIAL NEIGHBORHOOD ASSESSMENT AND RECOMMENDATIONS			
Based on field observations, this neighborhood has significant indicators for the following: *(check all that apply)* ☒ Nutrients ☐ Oil and Grease ☐ Trash/Litter ☐ Bacteria ☐ Sediment ☐ Other _____			○

Recommended Actions

Specific Action

- ☐ Onsite retrofit potential?
- ☐ Better lawn/landscaping practice?
- ☐ Better management of common space?
- ☐ Pond retrofit?
- ☐ Multi-family Parking Lot Retrofit?
- ☐ Other action(s) _____

Describe Recommended Actions:

Initial Assessment

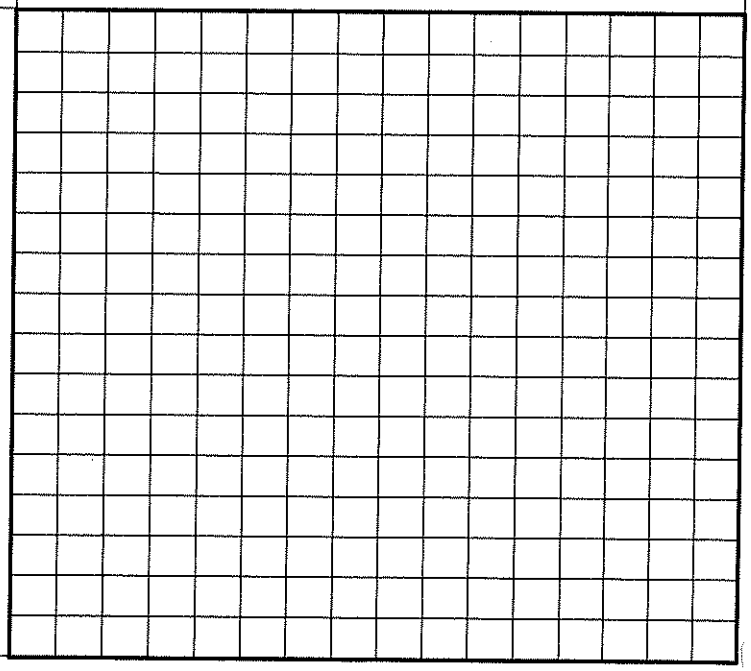
NSA Pollution Severity Index

- ☐ Severe (More than 10 circles checked)
- ☐ High (5 to 10 circles checked)
- ☐ Moderate (Fewer than 5 circles checked)
- ☒ None (No circles checked)

Neighborhood Restoration Opportunity Index

- ☐ High (More than 5 diamonds checked)
- ☐ Moderate (3-5 diamonds checked)
- ☒ Low (Fewer than 3 diamonds checked)

Neighborhood topo is steeply sloping in areas; places between lots have v. good tree cover



NOTES:

WATERSHED: Peq.	**SUBWATERSHED:** UT34	**UNIQUE SITE ID:** SSD-UTH-01
DATE: 10/15/10	**ASSESSED BY:** DRB	**CAMERA ID:** Canon
MAP GRID	**RAIN IN LAST 24 HOURS** ☐ Y ☒ N	**PIC #** 133-136

A. LOCATION

A1. Street names or neighborhood surveyed: Shelter Rock Road

A2. Adjacent land use: ☒ Residential ☐ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related

A3. Corresponding HSI or NSA field sheet? If so, circle HSI or NSA and record its Unique Site ID here _____

B. STREET CONDITIONS

B1. Road Type: ☐ Arterial ☐ Collector ☒ Local ☐ Alley ☐ Other: _____

B2. Condition of Pavement: ☐ New ☒ Good ☐ Cracked ☐ Broken

B3. Is on-street parking permitted ☒ Y ☐ N If yes, approximate number of cars per block: _____

B4. Are large cul-de-sacs present? ☐ Y ☒ N

B5. Is trash present in curb and gutter? If so, use the index to the right to record amount.	Index Rating for Accumulation in Gutters				
	Clean				Filthy
Sediment	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5
Organic Material	☐ 1	☐ 2	☒ 3	☐ 4	☐ 5
Litter	☒ 1	☐ 2	☐ 3	☐ 4	☐ 5

C. STORM DRAIN INLETS AND CATCH BASINS

C1. Type of storm drain conveyance: ☐ open ☒ enclosed ☐ mixed

C2. Percentage of inlets with catch basin storage: _____ ☐ N/A

Sample 1-2 catch basins per NSA/HSI	**C3.** Catch basin #1	**C4.** Catch basin #2
Latitude	41° 16.021"	41° 16.029"
Longitude	73° 10.869"	73° 10.913"
LMK #		
Picture #	134	135
Current Condition	☐ Wet ☒ Dry	☐ Wet ☒ Dry
Condition of Inlet	☒ Clear ☐ Obstructed	☐ Clear ☒ Obstructed
Litter Accumulation	☐ Y ☒ N	☐ Y ☒ N
Organics Accumulation	☒ Y ☐ N	☒ Y ☐ N
Sediment Accumulation	☒ Y ☐ N	☒ Y ☐ N
Sediment Depth (in feet)	1-2 ft.	1-2 ft.
Water Depth	0 ft.	0 ft.
Evidence of oil and grease	☐ Y ☒ N	☐ Y ☒ N
Sulfur smell	☐ Y ☒ N	☐ Y ☒ N
Accessible to vacuum truck	☒ Y ☐ N	☒ Y ☐ N

D. NON-RESIDENTIAL PARKING LOT (>2 acres)

D1. Approximate size: _____ acres

D2. Lot Utilization: ☐ Full ☐ About half full ☐ Empty

D3. Overall condition of Pavement: ☐ Smooth (no cracks) ☐ Medium (few cracks) ☐ Rough (many cracks) ☐ Very Rough (numerous cracks and depressions)

D4. Is lot served by a storm water treatment practice? ☐ Y ☐ N If yes, describe: _____

D5. On-site retrofit potential: ☐ Excellent ☐ Good ☐ Poor

E. Municipal Pollutant Reduction Strategies

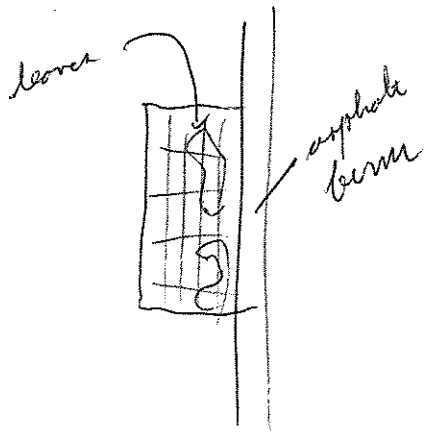
E1. Degree of pollutant accumulation in the system: ☐ High ☒ Medium ☐ Low ☐ None

E2. Rate the feasibility of the following pollution prevention strategies:

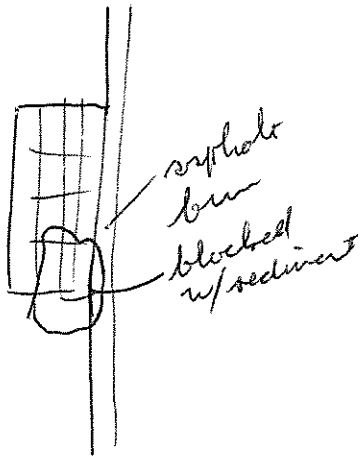
Street Sweeping:	☐ High	☒ Moderate	☐ Low
Storm Drain Stenciling:	☒ High	☐ Moderate	☐ Low
Catch Basin Clean-outs:	☒ High	☐ Moderate	☐ Low
Parking Lot Retrofit Potential:	☐ High	☐ Moderate	☒ Low

Catch Basin Sketches

#1



#2



Notes:

WATERSHED: Rey	SUBWATERSHED: THR		UNIQUE SITE ID: HSI-THR-01
DATE: 10/19/10	ASSESSED BY: DDB	CAMERA ID: Canon	PIC#: 137-142
MAP GRID:	LAT 41° 14.025" LONG 73° 10.954"		LMK #

A. SITE DATA AND BASIC CLASSIFICATION

Name and Address: Unity Park

Category: ☐ Commercial ☐ Industrial Miscellaneous
☒ Institutional ☒ Municipal ☐ Golf Course
☐ Transport-Related ☐ Marina
☐ Animal Facility

SIC code (if available): _____

NPDES Status: ☐ Regulated ☐ Unregulated ☐ Unknown

Basic Description of Operation: Athletic Fields

	INDEX*
B. VEHICLE OPERATIONS ☒ **N/A** *(Skip to part C)*	**Observed Pollution Source?** ☐
B1. Types of vehicles: ☐ Fleet vehicles ☐ School buses ☐ Other: _____	
B2. Approximate number of vehicles: _____	
B3. Vehicle activities *(circle all that apply)*: Maintained Repaired Recycled Fueled Washed Stored	○
B4. Are vehicles stored and/or repaired outside? ☐ Y ☐ N ☐ Can't Tell Are these vehicles lacking runoff diversion methods? ☐ Y ☐ N ☐ Can't Tell	○
B5. Is there evidence of spills/leakage from vehicles? ☐ Y ☐ N ☐ Can't Tell	○
B6. Are uncovered outdoor fueling areas present? ☐ Y ☐ N ☐ Can't Tell	○
B7. Are fueling areas directly connected to storm drains? ☐ Y ☐ N ☐ Can't Tell	○
B8. Are vehicles washed outdoors? ☐ Y ☐ N ☐ Can't Tell Does the area where vehicles are washed discharge to the storm drain? ☐ Y ☐ N ☐ Can't Tell	○
OUTDOOR MATERIALS ☒ **N/A** *(Skip to part D)*	**Observed Pollution Source?** ☐
C1. Are loading/unloading operations present? ☐ Y ☐ N ☐ Can't Tell If yes, are they uncovered *and* draining towards a storm drain inlet? ☐ Y ☐ N ☐ Can't Tell	○
C2. Are materials stored outside? ☐ Y ☐ N ☐ Can't Tell If yes, are they ☐ Liquid ☐ Solid Description: _____ Where are they stored? ☐ grass/dirt area ☐ concrete/asphalt ☐ bermed area	○
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? ☐ Y ☐ N ☐ Can't Tell	○
C4. Is staining or discoloration around the area visible? ☐ Y ☐ N ☐ Can't Tell	○
C5. Does outdoor storage area lack a cover? ☐ Y ☐ N ☐ Can't Tell	○
C6. Are liquid materials stored *without* secondary containment? ☐ Y ☐ N ☐ Can't Tell	○
C7. Are storage containers missing labels or in poor condition (rusting)? ☐ Y ☐ N ☐ Can't Tell	○
D. WASTE MANAGEMENT ☒ **N/A** *(Skip to part E)*	**Observed Pollution Source?** ☐
D1. Type of waste *(check all that apply)*: ☐ Garbage ☐ Construction materials ☐ Hazardous materials	○
D2. Dumpster condition *(check all that apply)*: ☐ No cover/Lid is open ☐ Damaged/poor condition ☐ Leaking or evidence of leakage (stains on ground) ☐ Overflowing	○
D3. Is the dumpster located near a storm drain inlet? ☐ Y ☐ N ☐ Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? ☐ Y ☐ N ☐ Can't Tell	○
E. PHYSICAL PLANT ☐ **N/A** *(Skip to part F)*	**Observed Pollution Source?** ☐
E1. Building: Approximate age: 20 yrs. Condition of surfaces: ☐ Clean ☒ Stained ☐ Dirty ☐ Damaged	○
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? ☐ Y ☒ N ☐ Don't know	○

*Index: ○ denotes potential pollution source; ☐ denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age 40 yrs. Condition: ☐ Clean ☒ Stained ☐ Dirty ☐ Breaking up
Surface material ☒ Paved/Concrete ☐ Gravel ☐ Permeable ☐ Don't know

E3. Do downspouts discharge to impervious surface? ☐ Y ☒ N ☐ Don't know ☐ None visible
Are downspouts directly connected to storm drains? ☐ Y ☐ N ☐ Don't know

E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? ☐ Y ☐ N ☐ Can't Tell

F. TURF/LANDSCAPING AREAS ☐ **N/A** *(skip to part G)* — **Observed Pollution Source?**

F1. % of site with: Forest canopy 10 % Turf grass 80 % Landscaping 10 % Bare Soil 0 %

F2. Rate the turf management status: ☒ High ☐ Medium ☐ Low

F3. Evidence of permanent irrigation or "non-target" irrigation ☒ Y ☐ N ☐ Can't Tell

F4. Do landscaped areas drain to the storm drain system? ☒ Y ☐ N ☐ Can't Tell

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? ☒ Y ☐ N ☐ Can't Tell

G. STORM WATER INFRASTRUCTURE ☒ **N/A** *(skip to part H)* — **Observed Pollution Source?**

G1. Are storm water treatment practices present? ☐ Y ☐ N ☐ Unknown If yes, please describe: _____

G2. Are private storm drains located at the facility? ☐ Y ☐ N ☐ Unknown
Is trash present in gutters leading to storm drains? If so, complete the index below.

Index Rating for Accumulation in Gutters

	Clean				Filthy
Sediment	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Organic material	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Litter	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5

G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: ☐ Dirty ☐ Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

☒ Not a hotspot (fewer than 5 circles and no boxes checked) ☐ Potential hotspot (5 to 10 circles but no boxes checked)
☐ Confirmed hotspot (10 to 15 circles and/or 1 box checked) ☐ Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:
- ☐ Refer for immediate enforcement
- ☐ Suggest follow-up on-site inspection
- ☐ Test for illicit discharge
- ☐ Include in future education effort
- ☐ Check to see if hotspot is an NPDES non-filer
- ☐ Onsite non-residential retrofit
- ☐ Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____
- ☐ Schedule a review of storm water pollution prevention plan

Notes: Unpaved large-scale maintenance practices

Neighborhood Source Assessment **NSA**

WATERSHED: Rey	SUBWATERSHED: LBH	UNIQUE SITE ID: NSA-LBH-01	
DATE: 10/18/10	ASSESSED BY: DRB	CAMERA ID:	PIC#: NONE

A. NEIGHBORHOOD CHARACTERIZATION

Neighborhood/Subdivision Name: Pinewood Trail Neighborhood Area (acres) _____

If unknown, address (or streets) surveyed:

Homeowners Association? ☐ Y ☐ N ☒ Unknown If yes, name and contact information: maybe lake association

Residential *(circle average single family lot size):*

☒ Single Family Attached (Duplexes, Row Homes) <⅛ ⅛ (¼) ⅓ ⅓ acre ☐ Multifamily (Apts, Townhomes, Condos)

☐ Single Family Detached <¼ ¼ ½ 1 >1 acre ☐ Mobile Home Park

Estimated Age of Neighborhood: 40 years | Percent of Homes with Garages: ____% With Basements ____% | **INDEX***

Sewer Service? ☐ Y ☐ N unknown ○

Index of Infill, Redevelopment, and Remodeling ☐ No Evidence ☐ <5% of units ☐ 5-10% ☒ >10% ○

Record percent observed for each of the following indicators, depending on applicability and/or site complexity	Percentage	Comments/Notes	
B. YARD AND LAWN CONDITIONS			
B1. % of lot with impervious cover	40		
B2. % of lot with grass cover	40		○
B3. % of lot with landscaping (e.g., mulched bed areas)	10		◇
B4. % of lot with bare soil	10		○
**Note: B1 through B4 must total 100%*			
B5. % of lot with forest canopy	60		◇
B6. Evidence of permanent irrigation or "non-target" irrigation	<10		○
B7. Proportion of *total neighborhood* turf lawns with following management status:	High: 30		○
	Med: 60		
	Low: 10		
B8. Outdoor swimming pools? ☐ Y ☒ N ☐ Can't Tell Estimated # ____			○
B9. Junk or trash in yards? ☐ Y ☒ N ☐ Can't Tell			○
C. DRIVEWAYS, SIDEWALKS, AND CURBS			
C1. % of driveways that are impervious ☐ N/A	80		
C2. Driveway Condition ☐ Clean ☒ Stained ☐ Dirty ☐ Breaking up			●
C3. Are sidewalks present? ☐ Y ☒ N If yes, are they on one side of street ☐ or along both sides ☐			
☐ Spotless ☐ Covered with lawn clippings/leaves ☐ Receiving 'non-target' irrigation			○
What is the distance between the sidewalk and street? ____ ft.			◇
Is pet waste present in this area? ☐ Y ☐ N ☐ N/A			○
C4. Is curb and gutter present? ☐ Y ☒ N If yes, check all that apply:			
☐ Clean and Dry ☐ Flowing or standing water ☐ Long-term car parking ☐ Sediment			○
☐ Organic matter, leaves, lawn clippings ☐ Trash, litter, or debris ☐ Overhead tree canopy			◇

* INDEX: ○ denotes potential pollution source; ◇ denotes a neighborhood restoration opportunity

D. ROOFTOPS			
D1. Downspouts are directly connected to storm drains or sanitary sewer	0		◇ ○
D2. Downspouts are directed to impervious surface	30%		
D3. Downspouts discharge to pervious area	70%		
D4. Downspouts discharge to a cistern, rain barrel, etc.	0		
**Note: C1 through C4 should total 100%*			
D5. Lawn area present downgradient of leader for rain garden? ☑ Y ☐ N			◇
E. COMMON AREAS			
E1. Storm drain inlets? ☐ Y ☒ N If yes, are they stenciled? ☐ Y ☐ N Condition: ☐ Clean ☐ Dirty			◇
Catch basins inspected? ☐ Y ☐ N If yes, include Unique Site ID from SSD sheet: _____			○
E2. Storm water pond? ☐ Y ☐ N Is it a ☐ wet pond or ☐ dry pond? Is it overgrown? ☐ Y ☐ N What is the estimated pond area? ☐ <1 acre ☐ about 1 acre ☐ > 1 acre			◇
E3. Open Space? ☑ Y ☐ N If yes, is pet waste present? ☐ Y ☐ N dumping? ☐ Y ☐ N			○
Buffers/floodplain present: ☐ Y ☒ N If yes, is encroachment evident? ☐ Y ☐ N			
F. INITIAL NEIGHBORHOOD ASSESSMENT AND RECOMMENDATIONS			
Based on field observations, this neighborhood has significant indicators for the following: *(check all that apply)* ☒ Nutrients ☐ Oil and Grease ☐ Trash/Litter ☒ Bacteria ☒ Sediment ☐ Other _____			○

Recommended Actions

Specific Action

- ☐ Onsite retrofit potential?
- ☒ Better lawn/landscaping practice?
- ☒ Better management of common space?
- ☐ Pond retrofit?
- ☐ Multi-family Parking Lot Retrofit?
- ☐ Other action(s) _____

Describe Recommended Actions:

Improved buffer to lake

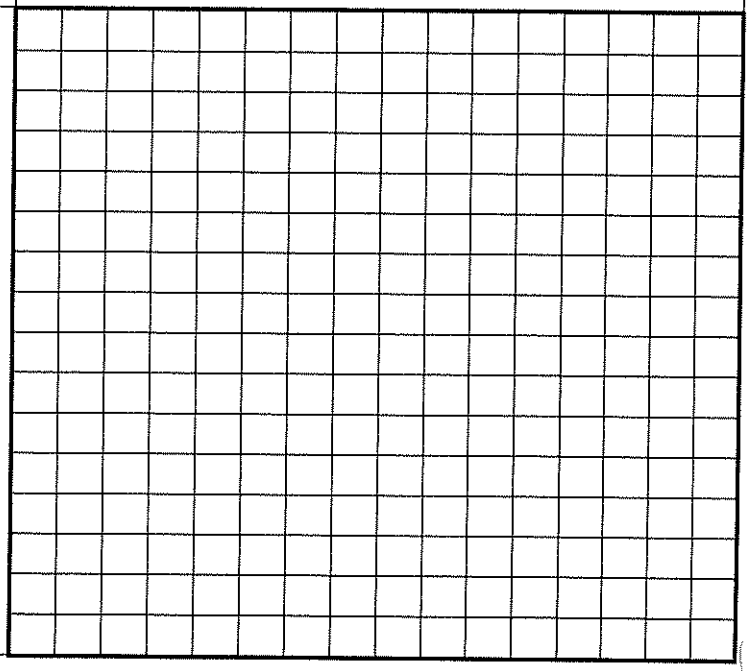
Initial Assessment

NSA Pollution Severity Index

- ☐ Severe (More than 10 circles checked)
- ☐ High (5 to 10 circles checked)
- ☒ Moderate (Fewer than 5 circles checked)
- ☐ None (No circles checked)

Neighborhood Restoration Opportunity Index

- ☐ High (More than 5 diamonds checked)
- ☐ Moderate (3-5 diamonds checked)
- ☒ Low (Fewer than 3 diamonds checked)



NOTES:

Neighborhood Source Assessment **NSA**

Drove thru quick; results not good

WATERSHED: Rea	**SUBWATERSHED:** UPR	**UNIQUE SITE ID:** NSA-UPR-02	
DATE: 10/19/10	**ASSESSED BY:** DRB	**CAMERA ID:** N/A	**PIC#:** None

A. NEIGHBORHOOD CHARACTERIZATION

Neighborhood/Subdivision Name: The Enclave @ Aspen Creek Ln Neighborhood Area (acres) _____

If unknown, address (or streets) surveyed:

Homeowners Association? ☒ Y ☐ N ☐ Unknown If yes, name and contact information: _____

Residential *(circle average single family lot size):*

☐ Single Family Attached (Duplexes, Row Homes) <⅛ ⅛ ¼ ⅓ ⅓ acre ☐ Multifamily (Apts, Townhomes, Condos)

☒ Single Family Detached (<¼) ¼ ½ 1 >1 acre ☐ Mobile Home Park

Estimated Age of Neighborhood: 5 years | Percent of Homes with Garages: ____% With Basements ____% | **INDEX***

Sewer Service? ☐ Y ☒ N ●

Index of Infill, Redevelopment, and Remodeling ☐ No Evidence ☐ <5% of units ☐ 5-10% ☐ >10% ○

Record percent observed for each of the following indicators, depending on applicability and/or site complexity	Percentage	Comments/Notes	
B. YARD AND LAWN CONDITIONS			
B1. % of lot with impervious cover	30		
B2. % of lot with grass cover	40		○
B3. % of lot with landscaping (e.g., mulched bed areas)	10		◇
B4. % of lot with bare soil	0		○
**Note: B1 through B4 must total 100%*			
B5. % of lot with forest canopy	0		◇
B6. Evidence of permanent irrigation or "non-target" irrigation	100		●
B7. Proportion of *total neighborhood* turf lawns with following management status:	High: 100		●
	Med: ___		
	Low: ___		
B8. Outdoor swimming pools? ☐ Y ☒ N ☐ Can't Tell Estimated # ___			○
B9. Junk or trash in yards? ☐ Y ☒ N ☐ Can't Tell			○
C. DRIVEWAYS, SIDEWALKS, AND CURBS			
C1. % of driveways that are impervious ☐ N/A	100		
C2. Driveway Condition ☒ Clean ☐ Stained ☐ Dirty ☐ Breaking up			○
C3. Are sidewalks present? ☐ Y ☐ N If yes, are they on one side of street ☐ or along both sides ☐			
☐ Spotless ☐ Covered with lawn clippings/leaves ☐ Receiving 'non-target' irrigation			○
What is the distance between the sidewalk and street? _____ ft.			◇
Is pet waste present in this area? ☐ Y ☒ N ☐ N/A			○
C4. Is curb and gutter present? ☒ Y ☐ N If yes, check all that apply:			
☒ Clean and Dry ☐ Flowing or standing water ☐ Long-term car parking ☐ Sediment			○
☐ Organic matter, leaves, lawn clippings ☐ Trash, litter, or debris ☐ Overhead tree canopy			◇

* INDEX: ○ denotes potential pollution source; ◇ denotes a neighborhood restoration opportunity

D. ROOFTOPS			
D1. Downspouts are directly connected to storm drains or sanitary sewer	100		◆ ●
D2. Downspouts are directed to impervious surface			
D3. Downspouts discharge to pervious area			
D4. Downspouts discharge to a cistern, rain barrel, etc.			
**Note: C1 through C4 should total 100%*			
D5. Lawn area present downgradient of leader for rain garden? ☒ Y ☐ N			◇
E. COMMON AREAS			
E1. Storm drain inlets? ☐ Y ☐ N If yes, are they stenciled? ☐ Y ☐ N Condition: ☐ Clean ☐ Dirty			◇
Catch basins inspected? ☐ Y ☐ N If yes, include Unique Site ID from SSD sheet: _____			○
E2. Storm water pond? ☐ Y ☐ N Is it a ☐ wet pond or ☐ dry pond? Is it overgrown? ☐ Y ☐ N What is the estimated pond area? ☐ <1 acre ☐ about 1 acre ☐ > 1 acre			◇
E3. Open Space? ☐ Y ☐ N If yes, is pet waste present? ☐ Y ☐ N dumping? ☐ Y ☐ N			○
Buffers/floodplain present: ☐ Y ☐ N If yes, is encroachment evident? ☐ Y ☐ N			
F. INITIAL NEIGHBORHOOD ASSESSMENT AND RECOMMENDATIONS			
Based on field observations, this neighborhood has significant indicators for the following: *(check all that apply)* ☐ Nutrients ☐ Oil and Grease ☐ Trash/Litter ☐ Bacteria ☐ Sediment ☐ Other _____			○

Recommended Actions

Specific Action

- ☐ Onsite retrofit potential?
- ☐ Better lawn/landscaping practice?
- ☐ Better management of common space?
- ☐ Pond retrofit?
- ☐ Multi-family Parking Lot Retrofit?
- ☐ Other action(s) _____

Describe Recommended Actions:

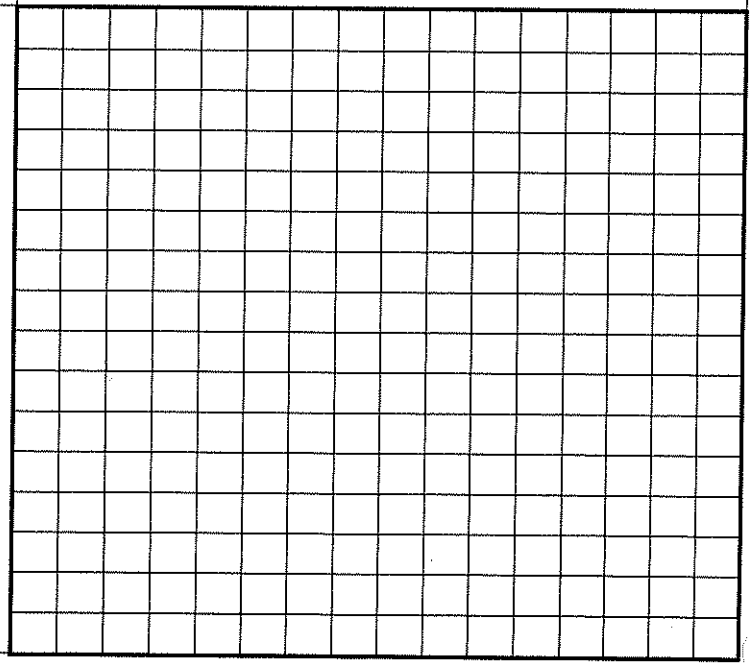
Initial Assessment

NSA Pollution Severity Index

- ☐ Severe (More than 10 circles checked)
- ☐ High (5 to 10 circles checked)
- ☒ Moderate (Fewer than 5 circles checked)
- ☐ None (No circles checked)

Neighborhood Restoration Opportunity Index

- ☐ High (More than 5 diamonds checked)
- ☐ Moderate (3-5 diamonds checked)
- ☒ Low (Fewer than 3 diamonds checked)



NOTES:

Hotspot Site Investigation **HSI**

WATERSHED: LPR	SUBWATERSHED: LPR		UNIQUE SITE ID: HSI-LPR-01
DATE: 10/19/10	ASSESSED BY: KMB	CAMERA ID:	PIC#: 143-145
MAP GRID:	LAT 41° 11 '31.9" LONG 73° 11 '32."6		LMK #

A. SITE DATA AND BASIC CLASSIFICATION

Name and Address: 581 North Washington Ave Bridgeport Public Works

Category: ☐ Commercial ☒ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related

Miscellaneous: ☐ Golf Course ☐ Marina ☐ Animal Facility

SIC code (if available): _____

NPDES Status: ☒ Regulated ☐ Unregulated ☐ Unknown

Basic Description of Operation: public works storage yard

		INDEX*
B. VEHICLE OPERATIONS ☐ **N/A** *(Skip to part C)*	**Observed Pollution Source?**	
B1. Types of vehicles: ☒ Fleet vehicles ☐ School buses ☐ Other: _____		
B2. Approximate number of vehicles: 10		
B3. Vehicle activities *(circle all that apply)*: Maintained Repaired Recycled Fueled Washed (Stored)		●
B4. Are vehicles stored and/or repaired outside? ☒ Y ☐ N ☐ Can't Tell Are these vehicles lacking runoff diversion methods? ☐ Y ☐ N ☒ Can't Tell		○
B5. Is there evidence of spills/leakage from vehicles? ☐ Y ☐ N ☒ Can't Tell		○
B6. Are uncovered outdoor fueling areas present? ☐ Y ☒ N ☐ Can't Tell		○
B7. Are fueling areas directly connected to storm drains? ☐ Y ☐ N ☒ Can't Tell		○
B8. Are vehicles washed outdoors? ☐ Y ☒ N ☐ Can't Tell Does the area where vehicles are washed discharge to the storm drain? ☐ Y ☐ N ☐ Can't Tell		○
OUTDOOR MATERIALS ☐ **N/A** *(Skip to part D)*	**Observed Pollution Source?**	
C1. Are loading/unloading operations present? ☒ Y ☐ N ☐ Can't Tell If yes, are they uncovered *and* draining towards a storm drain inlet? ☐ Y ☐ N ☐ Can't Tell		○
C2. Are materials stored outside? ☒ Y ☐ N ☐ Can't Tell If yes, are they ☐ Liquid ☒ Solid Description: _____ Where are they stored? ☐ grass/dirt area ☒ concrete/asphalt ☐ bermed area 55 gal trash, rolloffs, plows, fencing		●
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? ☒ Y ☐ N ☐ Can't Tell trucks & construction equip		○
C4. Is staining or discoloration around the area visible? ☐ Y ☐ N ☒ Can't Tell		○
C5. Does outdoor storage area lack a cover? ☒ Y ☐ N ☐ Can't Tell		○
C6. Are liquid materials stored *without* secondary containment? ☐ Y ☒ N ☐ Can't Tell		○
C7. Are storage containers missing labels or in poor condition (rusting)? ☐ Y ☐ N ☒ Can't Tell		○
D. WASTE MANAGEMENT ☐ **N/A** *(Skip to part E)*	**Observed Pollution Source?**	
D1. Type of waste *(check all that apply)*: ☒ Garbage ☒ Construction materials ☐ Hazardous materials		●
D2. Dumpster condition *(check all that apply)*: ☐ No cover/Lid is open ☐ Damaged/poor condition ☐ Leaking or evidence of leakage (stains on ground) ☐ Overflowing all covered ~10 rolloffs		○
D3. Is the dumpster located near a storm drain inlet? ☐ Y ☐ N ☐ Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? ☐ Y ☐ N ☐ Can't Tell		○
E. PHYSICAL PLANT ☐ **N/A** *(Skip to part F)*	**Observed Pollution Source?**	
E1. Building: Approximate age: 20 yrs. Condition of surfaces: ☒ Clean ☐ Stained ☐ Dirty ☐ Damaged		○
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? ☐ Y ☐ N ☐ Don't know		○

*Index: ○ denotes potential pollution source; ☐ denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age 20 yrs. Condition: ☐ Clean ☐ Stained ☐ Dirty ☒ Breaking up
Surface material ☐ Paved/Concrete ☒ Gravel ☐ Permeable ☐ Don't know

E3. Do downspouts discharge to impervious surface? ☐ Y ☐ N ☐ Don't know ☐ None visible
Are downspouts directly connected to storm drains? ☐ Y ☐ N ☐ Don't know

E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? ☐ Y ☒ N ☐ Can't Tell

F. TURF/LANDSCAPING AREAS ☒ **N/A** *(skip to part G)* **Observed Pollution Source?**

F1. % of site with: Forest canopy ____% Turf grass ____ % Landscaping ____% Bare Soil ____%

F2. Rate the turf management status: ☐ High ☐ Medium ☐ Low

F3. Evidence of permanent irrigation or "non-target" irrigation ☐ Y ☐ N ☐ Can't Tell

F4. Do landscaped areas drain to the storm drain system? ☐ Y ☐ N ☐ Can't Tell

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? ☐ Y ☐ N ☐ Can't Tell

G. STORM WATER INFRASTRUCTURE ☐ **N/A** *(skip to part H)* **Observed Pollution Source?**

G1. Are storm water treatment practices present? ☐ Y ☒ N ☐ Unknown If yes, please describe: _____

G2. Are private storm drains located at the facility? ☒ Y ☐ N ☐ Unknown
Is trash present in gutters leading to storm drains? If so, complete the index below.

Index Rating for Accumulation in Gutters

	Clean				Filthy
Sediment	☐ 1	☐ 2	☐ **3**	☐ 4	☐ 5
Organic material	☐ 1	☐ 2	☐ **3**	☐ 4	☐ 5
Litter	☐ 1	☐ 2	☐ **3**	☐ 4	☐ 5

G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: ☐ Dirty ☐ Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

☐ Not a hotspot (fewer than 5 circles and no boxes checked) ☒ Potential hotspot (5 to 10 circles but no boxes checked)
☐ Confirmed hotspot (10 to 15 circles and/or 1 box checked) ☐ Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:
- ☐ Refer for immediate enforcement
- ☐ Suggest follow-up on-site inspection
- ☐ Test for illicit discharge
- ☐ Include in future education effort
- ☐ Check to see if hotspot is an NPDES non-filer
- ☒ Onsite non-residential retrofit
- ☐ Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____
- ☐ Schedule a review of storm water pollution prevention plan

Notes:

WATERSHED: Pequonnock	**SUBWATERSHED:** LPR	**UNIQUE SITE ID:** SSD-LPR-01
DATE: 10/19/10	**ASSESSED BY:** KMB	**CAMERA ID:** 1
MAP GRID	**RAIN IN LAST 24 HOURS** ☐ Y ☒ N	**PIC #** 146-147; 161 158-159

A. LOCATION

A1. Street names or neighborhood surveyed: North Washington #1 / Knowlton #2

A2. Adjacent land use: ☐ Residential ☐ Commercial ☒ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related

A3. Corresponding HSI or NSA field sheet? If so, circle HSI or NSA and record its Unique Site ID here HSI-LPR-01

B. STREET CONDITIONS

B1. Road Type: ☐ Arterial ☐ Collector ☒ Local ☐ Alley ☐ Other: _____

B2. Condition of Pavement: ☐ New ☐ Good ☒ Cracked ☐ Broken

B3. Is on-street parking permitted ☒ Y ☐ N If yes, approximate number of cars per block: _____

B4. Are large cul-de-sacs present? ☐ Y ☒ N

B5. Is trash present in curb and gutter? If so, use the index to the right to record amount.

	Index Rating for Accumulation in Gutters				
	Clean				Filthy
Sediment	☒ 1	☐ 2	☐ 3	☐ 4	☐ 5
Organic Material	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5
Litter	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5

C. STORM DRAIN INLETS AND CATCH BASINS

C1. Type of storm drain conveyance: ☐ open ☐ enclosed ☐ mixed

C2. Percentage of inlets with catch basin storage: _____ ☐ N/A

Sample 1-2 catch basins per NSA/HSI	C3. Catch basin #1	C4. Catch basin #2
Latitude	41° 11' 38.9"	41° 11' 29.3"
Longitude	73° 11' 19.2"	73° 11' 16.9"
LMK #		weirs cleanout
Picture #	146	161
Current Condition	☐ Wet ☒ Dry	☐ Wet ☒ Dry
Condition of Inlet	☐ Clear ☒ Obstructed	☒ Clear ☐ Obstructed
Litter Accumulation	☒ Y ☐ N	☐ Y ☒ N
Organics Accumulation	☐ Y ☒ N	☐ Y ☒ N
Sediment Accumulation	☒ Y ☐ N	☐ Y ☒ N
Sediment Depth (in feet)	_____ ft.	_____ ft.
Water Depth	_____ ft.	_____ ft.
Evidence of oil and grease	☐ Y ☒ N	☒ Y ☐ N
Sulfur smell	☐ Y ☒ N	☐ Y ☒ N
Accessible to vacuum truck	☒ Y ☐ N	☒ Y ☐ N

D. NON-RESIDENTIAL PARKING LOT (>2 acres) N/A

D1. Approximate size: _____ acres

D2. Lot Utilization: ☐ Full ☐ About half full ☐ Empty

D3. Overall condition of Pavement: ☐ Smooth (no cracks) ☐ Medium (few cracks) ☐ Rough (many cracks) ☐ Very Rough (numerous cracks and depressions)

D4. Is lot served by a storm water treatment practice? ☐ Y ☐ N If yes, describe: _____

D5. On-site retrofit potential: ☐ Excellent ☐ Good ☐ Poor

E. Municipal Pollutant Reduction Strategies

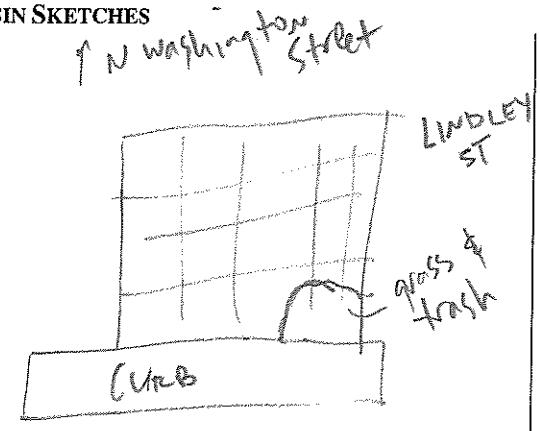
E1. Degree of pollutant accumulation in the system: ☐ High ☒ Medium ☐ Low ☐ None

E2. Rate the feasibility of the following pollution prevention strategies:

Street Sweeping:	☒ High	☐ Moderate	☐ Low
Storm Drain Stenciling:	☒ High	☐ Moderate	☐ Low
Catch Basin Clean-outs:	☒ High	☐ Moderate	☐ Low
Parking Lot Retrofit Potential:	☐ High	☐ Moderate	☒ Low

Catch Basin Sketches

#1



#2

Same ← no litter acc

Notes:

Hotspot Site Investigation **HSI**

WATERSHED: Pequannock	SUBWATERSHED: LPR	UNIQUE SITE ID: HSI-LPR-02
DATE: 10/19/10	ASSESSED BY: KMB / CAMERA ID:	PIC#: 48-52
MAP GRID:	LAT 41° 11 '39.8" LONG 73° 11 '18.6"	LMK #

A. SITE DATA AND BASIC CLASSIFICATION

Name and Address: River & N. Washington Zwally's Hauling

Category: ☐ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related
Miscellaneous: ☐ Golf Course ☐ Marina ☐ Animal Facility

SIC code (if available): _____

NPDES Status: ☐ Regulated ☐ Unregulated ☒ Unknown

Basic Description of Operation: Hauling

	INDEX*
B. VEHICLE OPERATIONS ☐ **N/A** *(Skip to part C)* — **Observed Pollution Source?** Y	
B1. Types of vehicles: ☒ Fleet vehicles ☐ School buses ☐ Other: _____	
B2. Approximate number of vehicles: 5	
B3. Vehicle activities *(circle all that apply)*: Maintained Repaired Recycled Fueled Washed Stored	○
B4. Are vehicles stored and/or repaired outside? ☒ Y ☐ N ☐ Can't Tell Are these vehicles lacking runoff diversion methods? ☒ Y ☐ N ☐ Can't Tell	●
B5. Is there evidence of spills/leakage from vehicles? ☒ Y ☐ N ☐ Can't Tell	○
B6. Are uncovered outdoor fueling areas present? ☐ Y ☒ N ☐ Can't Tell	○
B7. Are fueling areas directly connected to storm drains? ☐ Y ☐ N ☐ Can't Tell N/A	○
B8. Are vehicles washed outdoors? ☒ Y ☐ N ☐ Can't Tell saw them doing it Does the area where vehicles are washed discharge to the storm drain? ☒ Y ☐ N ☐ Can't Tell directly to PR	●
OUTDOOR MATERIALS ☒ **N/A** *(Skip to part D)* — **Observed Pollution Source?**	
C1. Are loading/unloading operations present? ☐ Y ☐ N ☐ Can't Tell If yes, are they uncovered *and* draining towards a storm drain inlet? ☐ Y ☐ N ☐ Can't Tell	○
C2. Are materials stored outside? ☐ Y ☐ N ☐ Can't Tell If yes, are they ☐ Liquid ☐ Solid Description: _____ Where are they stored? ☐ grass/dirt area ☐ concrete/asphalt ☐ bermed area	○
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? ☐ Y ☐ N ☐ Can't Tell	○
C4. Is staining or discoloration around the area visible? ☐ Y ☐ N ☐ Can't Tell	○
C5. Does outdoor storage area lack a cover? ☐ Y ☐ N ☐ Can't Tell	○
C6. Are liquid materials stored *without* secondary containment? ☐ Y ☐ N ☐ Can't Tell	○
C7. Are storage containers missing labels or in poor condition (rusting)? ☐ Y ☐ N ☐ Can't Tell	○
D. WASTE MANAGEMENT ☒ **N/A** *(Skip to part E)* — **Observed Pollution Source?**	
D1. Type of waste *(check all that apply)*: ☐ Garbage ☐ Construction materials ☐ Hazardous materials	○
D2. Dumpster condition *(check all that apply)*: ☐ No cover/Lid is open ☐ Damaged/poor condition ☐ Leaking or evidence of leakage (stains on ground) ☐ Overflowing	○
D3. Is the dumpster located near a storm drain inlet? ☐ Y ☐ N ☐ Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? ☐ Y ☐ N ☐ Can't Tell	○
E. PHYSICAL PLANT ☐ **N/A** *(Skip to part F)* — **Observed Pollution Source?**	
E1. Building: Approximate age: 40 yrs. Condition of surfaces: ☐ Clean ☒ Stained ☐ Dirty ☐ Damaged	○
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? ☒ Y ☐ N ☐ Don't know	○

*Index: ○ denotes potential pollution source; ☐ denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age 40 yrs. Condition: ☐ Clean ☐ Stained ☒ Dirty ☒ Breaking up
Surface material ☒ Paved/Concrete ☒ Gravel ☐ Permeable ☐ Don't know

E3. Do downspouts discharge to impervious surface? ☒ Y ☐ N ☐ Don't know ☐ None visible
Are downspouts directly connected to storm drains? ☐ Y ☒ N ☐ Don't know

E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? ☒ Y ☐ N ☐ Can't Tell

F. TURF/LANDSCAPING AREAS ☒ **N/A** *(skip to part G)* — **Observed Pollution Source?**

F1. % of site with: Forest canopy ____% Turf grass ____ % Landscaping ____% Bare Soil ____%

F2. Rate the turf management status: ☐ High ☐ Medium ☐ Low

F3. Evidence of permanent irrigation or "non-target" irrigation ☐ Y ☐ N ☐ Can't Tell

F4. Do landscaped areas drain to the storm drain system? ☐ Y ☐ N ☐ Can't Tell

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? ☐ Y ☐ N ☐ Can't Tell

G. STORM WATER INFRASTRUCTURE ☐ **N/A** *(skip to part H)* — **Observed Pollution Source?** Y

G1. Are storm water treatment practices present? ☐ Y ☒ N ☐ Unknown If yes, please describe: _____

G2. Are private storm drains located at the facility? ☐ Y ☒ N ☐ Unknown Runoff directly to PR
Is trash present in gutters leading to storm drains? If so, complete the index below.

Index Rating for Accumulation in Gutters

	Clean				Filthy
Sediment	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Organic material	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Litter	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5

G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: ☐ Dirty ☐ Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

☐ Not a hotspot (fewer than 5 circles and no boxes checked) ☒ Potential hotspot (5 to 10 circles but no boxes checked)
☒ Confirmed hotspot (10 to 15 circles and/or 1 box checked) ☐ Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:
- ☐ Refer for immediate enforcement
- ☐ Suggest follow-up on-site inspection
- ☐ Test for illicit discharge
- ☐ Include in future education effort
- ☐ Check to see if hotspot is an NPDES non-filer
- ☐ Onsite non-residential retrofit
- ☐ Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____
- ☐ Schedule a review of storm water pollution prevention plan

Notes:

likely hotspot
Stained parking area
worker washing truck runoff
directly to River

WATERSHED: Pag	SUBWATERSHED: LDR	UNIQUE SITE ID: RRI-LDR-01	
DATE: 10/19/10	ASSESSED BY: DRB	CAMERA ID: Canon	PICTURES: 167-168
GPS ID:	LMK ID:	LAT: 41°11'25.7"	LONG: 75°11'17.1"

SITE DESCRIPTION

Name: Knowlton St City Parcels
Address:

Ownership: ☒ Public ☐ Private ☐ Unknown
If Public, Government Jurisdiction: ☑ Local ☐ State ☐ DOT ☐ Other:

Corresponding USSR/USA Field Sheet? ☐ Yes ☒ No If yes, Unique Site ID:

Proposed Retrofit Location:

Storage
- ☐ Existing Pond
- ☐ Below Outfall
- ☐ In Road ROW
- ☒ Other: on vacant lots
- ☐ Above Roadway Culvert
- ☐ In Conveyance System
- ☐ Near Large Parking Lot

On-Site
- ☐ Hotspot Operation
- ☐ Small Parking Lot
- ☐ Individual Street
- ☐ Underground
- ☐ Individual Rooftop
- ☐ Small Impervious Area
- ☐ Landscape / Hardscape
- ☐ Other:

DRAINAGE AREA TO PROPOSED RETROFIT

Drainage Area ≈ _____
Imperviousness ≈ _____ %
Impervious Area ≈ _____

Notes: Most clear if drainage is conveyed at or near this site

Drainage Area Land Use:
- ☐ Residential
  - ☐ SFH (< 1 ac lots)
  - ☐ SFH (> 1 ac lots)
  - ☐ Townhouses
  - ☐ Multi-Family
- ☐ Commercial
- ☐ Institutional
- ☐ Industrial
- ☐ Transport-Related
- ☐ Park
- ☐ Undeveloped
- ☐ Other:

EXISTING STORMWATER MANAGEMENT

Existing Stormwater Practice: ☐ Yes ☒ No ☐ Possible
If Yes, Describe:

Describe Existing Site Conditions, Including Existing Site Drainage and Conveyance:

Vacant lot(s) right along river - good access/open space/riparian buffer type retrofit area

Existing Head Available and Points Where Measured:

Unknown - ~15-20' elev. diff between ground surface & river

Unique Site ID:_____

PROPOSED RETROFIT

Purpose of Retrofit:
- [x] Water Quality
- [ ] Recharge
- [ ] Channel Protection
- [ ] Flood Control
- [x] Demonstration / Education
- [ ] Repair
- [ ] Other: Access

Retrofit Volume Computations - Target Storage:

Retrofit Volume Computations - Available Storage:

Proposed Treatment Option:
- [ ] Extended Detention
- [ ] Wet Pond
- [x] Created Wetland
- [ ] Bioretention
- [ ] Filtering Practice
- [ ] Infiltration
- [ ] Swale
- [ ] Other:

Describe Elements of Proposed Retrofit, Including Surface Area, Maximum Depth of Treatment, and Conveyance:

- Created tidal wetland - receive & treat drainage/flabitat
- Public access walkway
- open space land

SITE CONSTRAINTS

Adjacent Land Use:
- [ ] Residential
- [x] Commercial
- [ ] Institutional
- [x] Industrial
- [ ] Transport-Related
- [ ] Park
- [ ] Undeveloped
- [x] Other: Vacant

Possible Conflicts Due to Adjacent Land Use? [ ] Yes [ ] No

If Yes, Describe: Yes - industrial use not completely compatible w/ Open space

Access:
- [ ] No Constraints

Constrained due to
- [ ] Slope
- [ ] Space
- [x] Utilities
- [ ] Tree Impacts
- [x] Structures
- [ ] Property Ownership
- [ ] Other:

Conflicts with Existing Utilities:
- [ ] None
- [ ] Unknown

Yes	Possible	
[ ]	[ ]	Sewer
[ ]	[ ]	Water
[ ]	[ ]	Gas
[ ]	[ ]	Cable
[ ]	[ ]	Electric
[ ]	[x]	Electric to Streetlights
[x]		Overhead Wires
[ ]	[ ]	Other:

Potential Permitting Factors:

Dam Safety Permits Necessary	[ ] Probable	[x] Not Probable
Impacts to Wetlands	[x] Probable	[ ] Not Probable
Impacts to a Stream	[ ] Probable	[x] Not Probable
Floodplain Fill	[x] Probable	[ ] Not Probable
Impacts to Forests	[ ] Probable	[x] Not Probable
Impacts to Specimen Trees	[ ] Probable	[x] Not Probable

How many?
Approx. DBH

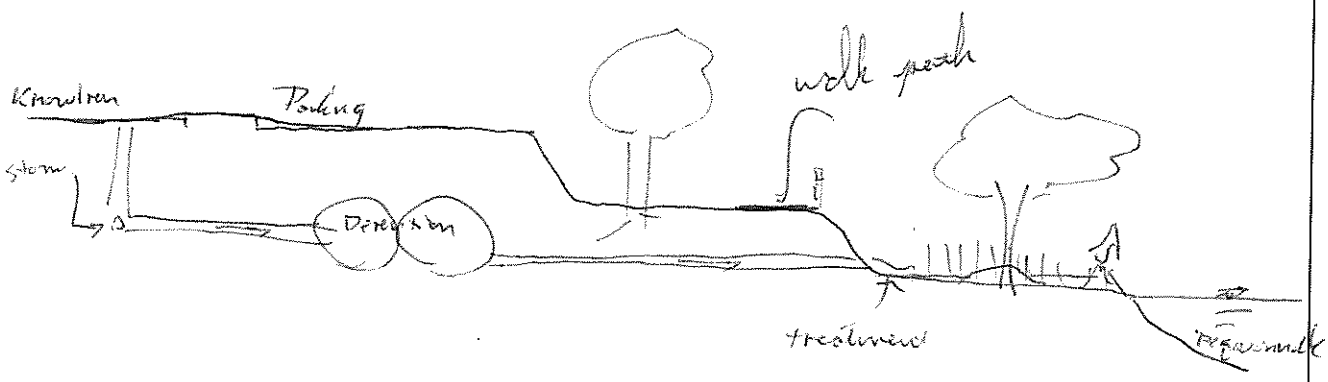
Other factors:

Soils:

Soil auger test holes:	[ ] Yes [ ] No
Evidence of poor infiltration (clays, fines):	[ ] Yes [ ] No
Evidence of shallow bedrock:	[ ] Yes [ ] No
Evidence of high water table (gleying, saturation):	[ ] Yes [ ] No

Unique Site ID:

SKETCH RRI-LPR-01



Unique Site ID:_____

DESIGN OR DELIVERY NOTES

FOLLOW-UP NEEDED TO COMPLETE FIELD CONCEPT

- ☐ Confirm property ownership
- ☐ Confirm drainage area
- ☐ Confirm drainage area impervious cover
- ☐ Confirm volume computations
- ☐ Complete concept sketch
- ☐ Obtain existing stormwater practice as-builts
- ☐ Obtain site as-builts
- ☐ Obtain detailed topography
- ☐ Obtain utility mapping
- ☐ Confirm storm drain invert elevations
- ☐ Confirm soil types
- ☐ Other:_____

INITIAL FEASIBILITY AND CONSTRUCTION CONSIDERATIONS

SITE CANDIDATE FOR FURTHER INVESTIGATION:	☐ YES	☐ NO	☐ MAYBE
IS SITE CANDIDATE FOR EARLY ACTION PROJECT(S):	☐ YES	☐ NO	☐ MAYBE
IF NO, SITE CANDIDATE FOR OTHER RESTORATION PROJECT(S):	☐ YES	☐ NO	☐ MAYBE

IF YES, TYPE(S):_____

Unique Site ID:_____

Neighborhood Source Assessment **NSA**

WATERSHED: Pequonnock	SUBWATERSHED: LPR	UNIQUE SITE ID: NSA-LPR-01	
DATE: 10/19/10	ASSESSED BY: KMS	CAMERA ID:	PIC#: 171-178

A. NEIGHBORHOOD CHARACTERIZATION

Neighborhood/Subdivision Name: Armstrong Place / Maple St. Neighborhood Area (acres) _____

If unknown, address (or streets) surveyed: _____

Homeowners Association? ☐ Y ☐ N ☐ Unknown If yes, name and contact information: _____

Residential *(circle average single family lot size):*

☐ Single Family Attached (Duplexes, Row Homes) <⅛ ⅛ ¼ ⅓ ½ acre ☒ Multifamily (Apts, Townhomes, Condos)

☒ Single Family Detached (<¼) ¼ ½ 1 >1 acre ☐ Mobile Home Park

Estimated Age of Neighborhood: 120-140 years	Percent of Homes with Garages: 0 % With Basements 0 %	INDEX*
Sewer Service? ☒ Y ☐ N		○
Index of Infill, Redevelopment, and Remodeling ☐ No Evidence ☐ <5% of units ☐ 5-10% ☒ >10%		●

Record percent observed for each of the following indicators, depending on applicability and/or site complexity	Percentage	Comments/Notes	
B. YARD AND LAWN CONDITIONS			
B1. % of lot with impervious cover	90		
B2. % of lot with grass cover	5		○
B3. % of lot with landscaping (e.g., mulched bed areas)	5		◇
B4. % of lot with bare soil	0		○
**Note: B1 through B4 must total 100%*			
B5. % of lot with forest canopy	0		◇
B6. Evidence of permanent irrigation or "non-target" irrigation			○
B7. Proportion of *total neighborhood* turf lawns with following management status:	High: ___		○
	Med: 20		
	Low: 80		
B8. Outdoor swimming pools? ☐ Y ☒ N ☐ Can't Tell Estimated # ___			○
B9. Junk or trash in yards? ☒ Y ☐ N ☐ Can't Tell	50	f/ redevelopment	●
C. DRIVEWAYS, SIDEWALKS, AND CURBS			
C1. % of driveways that are impervious ☐ N/A			
C2. Driveway Condition ☐ Clean ☐ Stained ☐ Dirty ☒ Breaking up			●
C3. Are sidewalks present? ☒ Y ☐ N If yes, are they on one side of street ☐ or along both sides ☒			
☐ Spotless ☐ Covered with lawn clippings/leaves ☐ Receiving 'non-target' irrigation			○
What is the distance between the sidewalk and street? 2 ft.			◇
Is pet waste present in this area? ☐ Y ☒ N ☐ N/A			○
C4. Is curb and gutter present? ☒ Y ☐ N If yes, check all that apply:			
☒ Clean and Dry ☐ Flowing or standing water ☐ Long-term car parking ☐ Sediment frat cleaning			○
☐ Organic matter, leaves, lawn clippings ☐ Trash, litter, or debris ☐ Overhead tree canopy			◇

* INDEX: ○ denotes potential pollution source; ◇ denotes a neighborhood restoration opportunity

D. ROOFTOPS			
D1. Downspouts are directly connected to storm drains or sanitary sewer	80		◆ ●
D2. Downspouts are directed to impervious surface	20		
D3. Downspouts discharge to pervious area	~		
D4. Downspouts discharge to a cistern, rain barrel, etc.	—		
**Note: C1 through C4 should total 100%*			
D5. Lawn area present downgradient of leader for rain garden? ☐ Y ☐ N			◇

E. COMMON AREAS

E1. Storm drain inlets? ☒ Y ☐ N If yes, are they stenciled? ☐ Y ☒ N Condition: ☒ Clean ☐ Dirty ◆

Catch basins inspected? ☒ Y ☐ N If yes, include Unique Site ID from SSD sheet: SSD-CPR-02 ●

E2. Storm water pond? ☐ Y ☒ N Is it a ☐ wet pond or ☐ dry pond? Is it overgrown? ☐ Y ☐ N ◆

What is the estimated pond area? ☐ <1 acre ☐ about 1 acre ☐ > 1 acre

E3. Open Space? ☒ Y ☐ N If yes, is pet waste present? ☐ Y ☒ N dumping? ☒ Y ☐ N vacant lots ●

Buffers/floodplain present: ☒ Y ☐ N If yes, is encroachment evident? ☒ Y ☐ N

F. INITIAL NEIGHBORHOOD ASSESSMENT AND RECOMMENDATIONS

Based on field observations, this neighborhood has significant indicators for the following: *(check all that apply)* ○

☐ Nutrients ☐ Oil and Grease ☐ Trash/Litter ☐ Bacteria ☐ Sediment ☐ Other _____

Recommended Actions

Specific Action

- ☐ Onsite retrofit potential?
- ☒ Better lawn/landscaping practice?
- ☐ Better management of common space?
- ☐ Pond retrofit?
- ☐ Multi-family Parking Lot Retrofit?
- ☐ Other action(s) _____

Describe Recommended Actions:

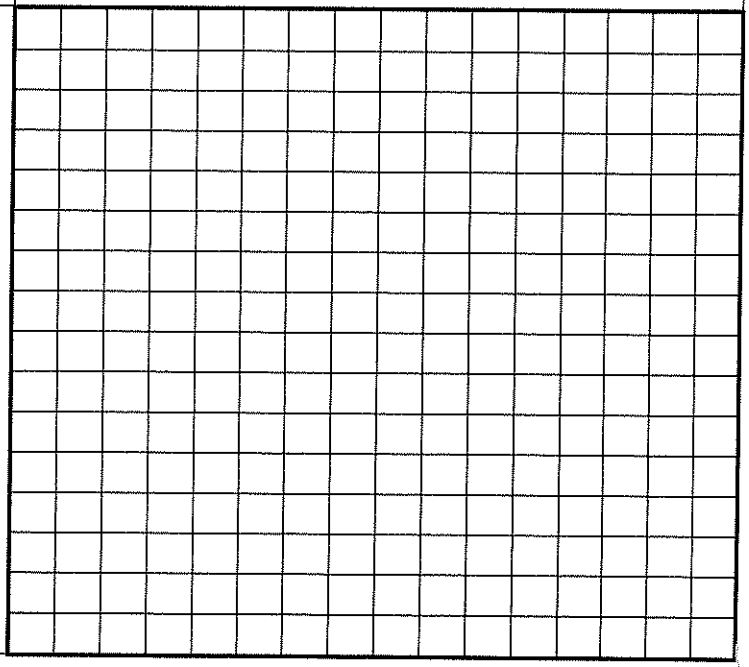
Initial Assessment

NSA Pollution Severity Index

- ☐ Severe (More than 10 circles checked)
- ☐ High (5 to 10 circles checked)
- ☒ Moderate (Fewer than 5 circles checked)
- ☐ None (No circles checked)

Neighborhood Restoration Opportunity Index

- ☐ High (More than 5 diamonds checked)
- ☒ Moderate (3-5 diamonds checked)
- ☐ Low (Fewer than 3 diamonds checked)



NOTES:

WATERSHED: P04	SUBWATERSHED: LPR	UNIQUE SITE ID: SSD-LPR-02
DATE: 10/19/10	ASSESSED BY:	CAMERA ID:
MAP GRID	RAIN IN LAST 24 HOURS ☐ Y ☐ N	PIC # 171-178

A. LOCATION

A1. Street names or neighborhood surveyed: Armstrong Place

A2. Adjacent land use: ☒ Residential ☐ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related

A3. Corresponding HSI or NSA field sheet? If so, circle HSI or NSA and record its Unique Site ID here NSA-LPR-01

B. STREET CONDITIONS

B1. Road Type: ☐ Arterial ☐ Collector ☒ Local ☐ Alley ☐ Other: _____

B2. Condition of Pavement: ☒ New ☐ Good ☐ Cracked ☐ Broken

B3. Is on-street parking permitted ☒ Y ☐ N If yes, approximate number of cars per block: _____

B4. Are large cul-de-sacs present? ☐ Y ☒ N

B5. Is trash present in curb and gutter? If so, use the index to the right to record amount.	Index Rating for Accumulation in Gutters				
	Clean				Filthy
Sediment	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Organic Material	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Litter	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5

C. STORM DRAIN INLETS AND CATCH BASINS

C1. Type of storm drain conveyance: ☐ open ☒ enclosed ☐ mixed

C2. Percentage of inlets with catch basin storage: _____ ☐ N/A

Sample 1-2 catch basins per NSA/HSI	**C3.** Catch basin #1	**C4.** Catch basin #2
Latitude	41° 11' 16.9"	41° 11' 16.9"
Longitude	73° 11' 16.2"	73° 11' 10.5"
LMK #		
Picture #	177-	173+175
Current Condition	☐ Wet ☒ Dry	☐ Wet ☒ Dry
Condition of Inlet	☐ Clear ☒ Obstructed	☒ Clear ☐ Obstructed
Litter Accumulation	☒ Y ☐ N	☐ Y ☐ N
Organics Accumulation	☒ Y ☐ N	☐ Y ☐ N
Sediment Accumulation	☒ Y ☐ N	☐ Y ☐ N
Sediment Depth (in feet)	Y ft.	_____ ft.
Water Depth	Y ft.	_____ ft.
Evidence of oil and grease	☒ Y ☐ N	☐ Y ☐ N
Sulfur smell	☐ Y ☒ N	☐ Y ☐ N
Accessible to vacuum truck	☒ Y ☐ N	☐ Y ☐ N

D. NON-RESIDENTIAL PARKING LOT (>2 acres)

D1. Approximate size: _____ acres

D2. Lot Utilization: ☐ Full ☐ About half full ☐ Empty

D3. Overall condition of Pavement: ☐ Smooth (no cracks) ☐ Medium (few cracks) ☐ Rough (many cracks) ☐ Very Rough (numerous cracks and depressions)

D4. Is lot served by a storm water treatment practice? ☐ Y ☐ N If yes, describe: _____

D5. On-site retrofit potential: ☐ Excellent ☐ Good ☐ Poor

E. Municipal Pollutant Reduction Strategies

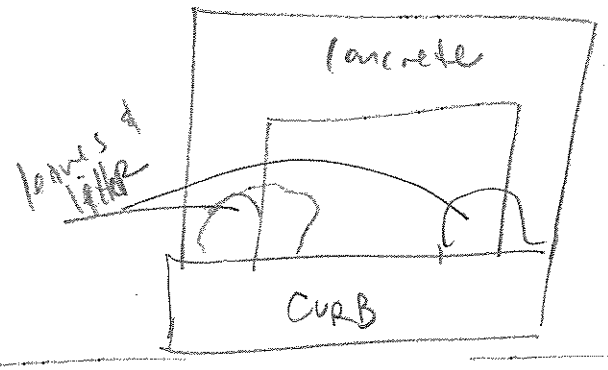
E1. Degree of pollutant accumulation in the system: ☒ High ☐ Medium ☐ Low ☐ None

E2. Rate the feasibility of the following pollution prevention strategies:

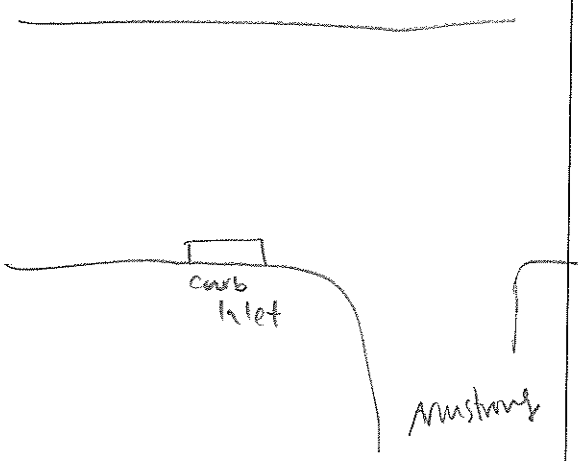
Street Sweeping:	☒ High	☐ Moderate	☐ Low
Storm Drain Stenciling:	☒ High	☐ Moderate	☐ Low
Catch Basin Clean-outs:	☒ High	☐ Moderate	☐ Low
Parking Lot Retrofit Potential:	☐ High	☐ Moderate	☐ Low N/A

Catch Basin Sketches

#1



#2



Notes:

Hotspot Site Investigation **HSI**

WATERSHED: Pow	SUBWATERSHED: LPR	UNIQUE SITE ID: HSI-LPR-03
DATE: 10/19/10	ASSESSED BY: CMB / CAMERA ID:	PIC#: 179-180
MAP GRID:	LAT 41° 11' 14.8" LONG 73° 11' 32.2"	LMK #

A. SITE DATA AND BASIC CLASSIFICATION

Name and Address: B&C Sand & Gravel

Category: ☐ Commercial ☒ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related
Miscellaneous: ☐ Golf Course ☐ Marina ☐ Animal Facility

SIC code (if available): _____

NPDES Status: ☒ Regulated ☐ Unregulated ☐ Unknown

Basic Description of Operation: Bark mulch, topsoil, sand, gravel storage & leaking

	INDEX*
B. VEHICLE OPERATIONS ☐ **N/A** *(Skip to part C)* — **Observed Pollution Source?** ☐ Y	
B1. Types of vehicles: ☒ Fleet vehicles ☐ School buses ☐ Other: hauling	
B2. Approximate number of vehicles: _____	
B3. Vehicle activities *(circle all that apply)*: Maintained Repaired Recycled Fueled Washed Stored (assumed)	●
B4. Are vehicles stored and/or repaired outside? ☐ Y ☐ N ☐ Can't Tell Are these vehicles lacking runoff diversion methods? ☐ Y ☐ N ☐ Can't Tell	○
B5. Is there evidence of spills/leakage from vehicles? ☐ Y ☐ N ☐ Can't Tell	○
B6. Are uncovered outdoor fueling areas present? ☐ Y ☐ N ☐ Can't Tell	○
B7. Are fueling areas directly connected to storm drains? ☐ Y ☐ N ☐ Can't Tell	○
B8. Are vehicles washed outdoors? ☐ Y ☐ N ☐ Can't Tell Does the area where vehicles are washed discharge to the storm drain? ☐ Y ☐ N ☐ Can't Tell	○
OUTDOOR MATERIALS ☐ **N/A** *(Skip to part D)* — **Observed Pollution Source?** ☐	
C1. Are loading/unloading operations present? ☒ Y ☐ N ☐ Can't Tell If yes, are they uncovered *and* draining towards a storm drain inlet? ☐ Y ☐ N ☒ Can't Tell	○
C2. Are materials stored outside? ☐ Y ☐ N ☐ Can't Tell If yes, are they ☐ Liquid ☐ Solid Description: _____ Where are they stored? ☐ grass/dirt area ☐ concrete/asphalt ☐ bermed area	○
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? ☐ Y ☐ N ☐ Can't Tell likely direct runoff to PaLR.	●
C4. Is staining or discoloration around the area visible? ☐ Y ☐ N ☐ Can't Tell	○
C5. Does outdoor storage area lack a cover? ☐ Y ☐ N ☐ Can't Tell	○
C6. Are liquid materials stored *without* secondary containment? ☐ Y ☐ N ☐ Can't Tell	○
C7. Are storage containers missing labels or in poor condition (rusting)? ☐ Y ☐ N ☐ Can't Tell	○
D. WASTE MANAGEMENT ☐ **N/A** *(Skip to part E)* — **Observed Pollution Source?** ☐	
D1. Type of waste *(check all that apply)*: ☐ Garbage ☐ Construction materials ☐ Hazardous materials	○
D2. Dumpster condition *(check all that apply)*: ☐ No cover/Lid is open ☐ Damaged/poor condition ☐ Leaking or evidence of leakage (stains on ground) ☐ Overflowing	○
D3. Is the dumpster located near a storm drain inlet? ☐ Y ☐ N ☐ Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? ☐ Y ☐ N ☐ Can't Tell	○
E. PHYSICAL PLANT ☐ **N/A** *(Skip to part F)* — **Observed Pollution Source?** ☐	
E1. Building: Approximate age: _____ yrs. Condition of surfaces: ☐ Clean ☐ Stained ☐ Dirty ☐ Damaged	○
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? ☐ Y ☐ N ☐ Don't know	○

*Index: ○ denotes potential pollution source; ☐ denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age _____ yrs. Condition: ☐ Clean ☐ Stained ☐ Dirty ☐ Breaking up
Surface material ☐ Paved/Concrete ☐ Gravel ☐ Permeable ☐ Don't know ○

E3. Do downspouts discharge to impervious surface? ☐ Y ☐ N ☐ Don't know ☐ None visible
Are downspouts directly connected to storm drains? ☐ Y ☐ N ☐ Don't know ○

E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? ☐ Y ☐ N ☐ Can't Tell ○

F. TURF/LANDSCAPING AREAS ☒ **N/A** *(skip to part G)* **Observed Pollution Source?**

F1. % of site with: Forest canopy ____% Turf grass _____ % Landscaping ____% Bare Soil ____% ○

F2. Rate the turf management status: ☐ High ☐ Medium ☐ Low ○

F3. Evidence of permanent irrigation or "non-target" irrigation ☐ Y ☐ N ☐ Can't Tell ○

F4. Do landscaped areas drain to the storm drain system? ☐ Y ☐ N ☐ Can't Tell ○

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? ☐ Y ☐ N ☐ Can't Tell ○

G. STORM WATER INFRASTRUCTURE ☐ **N/A** *(skip to part H)* **Observed Pollution Source?**

G1. Are storm water treatment practices present? ☐ Y ☐ N ☐ Unknown If yes, please describe: _____ ○

G2. Are private storm drains located at the facility? ☐ Y ☐ N ☐ Unknown
Is trash present in gutters leading to storm drains? If so, complete the index below. ○

Index Rating for Accumulation in Gutters

	Clean				Filthy
Sediment	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Organic material	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Litter	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5

G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: ☐ Dirty ☐ Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

☐ Not a hotspot (fewer than 5 circles and no boxes checked) ☒ Potential hotspot (5 to 10 circles but no boxes checked)
☒ Confirmed hotspot (10 to 15 circles and/or 1 box checked) ☐ Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:
either depending on washwater station discharge
☐ Refer for immediate enforcement
☐ Suggest follow-up on-site inspection
☐ Test for illicit discharge
☒ Include in future education effort
☐ Check to see if hotspot is an NPDES non-filer
☒ Onsite non-residential retrofit → SW basin along river
☐ Pervious area restoration; complete PAA sheet and record
Unique Site ID here: _____
☐ Schedule a review of storm water pollution prevention plan

Notes:
- large sand & gravel piles
- truck washing station as trucks leave site – no berm for washwater
- SW pond recommended along river
- Ownership unknown/unclear

Hotspot Site Investigation **HSI**

WATERSHED: Pequannock	SUBWATERSHED: LPR	UNIQUE SITE ID: HS-LPR-04
DATE: 10/19/10	ASSESSED BY: KMB / CAMERA ID:	PIC#: 193-196
MAP GRID:	LAT 41° 11' 1.0" LONG 73° 11' 23.7"	LMK #

A. SITE DATA AND BASIC CLASSIFICATION

Name and Address: Ingress St. Firestation adjacent to Riverfront Park

Category: ☐ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related
Miscellaneous: ☐ Golf Course ☐ Marina ☐ Animal Facility

SIC code (if available): _____

Basic Description of Operation: Firestation

NPDES Status: ☐ Regulated ☐ Unregulated ☒ Unknown

	INDEX*
B. VEHICLE OPERATIONS ☐ **N/A** *(Skip to part C)* — **Observed Pollution Source?** N	
B1. Types of vehicles: ☒ Fleet vehicles ☐ School buses ☐ Other: _____	
B2. Approximate number of vehicles: _____ Fire trucks & employee parking	
B3. Vehicle activities *(circle all that apply)*: Maintained Repaired Recycled Fueled Washed Stored	○
B4. Are vehicles stored and/or repaired outside? ☐ Y ☒ N ☐ Can't Tell Are these vehicles lacking runoff diversion methods? ☐ Y ☐ N ☐ Can't Tell	○
B5. Is there evidence of spills/leakage from vehicles? ☐ Y ☐ N ☒ Can't Tell	○
B6. Are uncovered outdoor fueling areas present? ☒ Y ☐ N ☐ Can't Tell	○
B7. Are fueling areas directly connected to storm drains? ☐ Y ☐ N ☒ Can't Tell	○
B8. Are vehicles washed outdoors? ☐ Y ☐ N ☒ Can't Tell (rain freshly there) Does the area where vehicles are washed discharge to the storm drain? ☐ Y ☐ N ☒ Can't Tell	●
C. OUTDOOR MATERIALS ☐ **N/A** *(Skip to part D)* — **Observed Pollution Source?** N	
C1. Are loading/unloading operations present? ☐ Y ☒ N ☐ Can't Tell If yes, are they uncovered *and* draining towards a storm drain inlet? ☐ Y ☐ N ☐ Can't Tell	○
C2. Are materials stored outside? ☒ Y ☐ N ☐ Can't Tell If yes, are they ☒ Liquid ☐ Solid Description: gas/fuel Where are they stored? ☐ grass/dirt area ☐ concrete/asphalt ☐ bermed area	●
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? ☒ Y ☐ N ☐ Can't Tell	○
C4. Is staining or discoloration around the area visible? ☐ Y ☒ N ☐ Can't Tell	○
C5. Does outdoor storage area lack a cover? ☒ Y ☐ N ☐ Can't Tell	○
C6. Are liquid materials stored *without* secondary containment? ☐ Y ☒ N ☐ Can't Tell	○
C7. Are storage containers missing labels or in poor condition (rusting)? ☐ Y ☒ N ☐ Can't Tell	○
D. WASTE MANAGEMENT ☐ **N/A** *(Skip to part E)* — **Observed Pollution Source?** N	
D1. Type of waste *(check all that apply)*: ☒ Garbage ☐ Construction materials ☐ Hazardous materials	○
D2. Dumpster condition *(check all that apply)*: ☐ No cover/Lid is open ☐ Damaged/poor condition ☐ Leaking or evidence of leakage (stains on ground) ☐ Overflowing	○
D3. Is the dumpster located near a storm drain inlet? ☐ Y ☐ N ☐ Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? ☐ Y ☐ N ☐ Can't Tell	○
E. PHYSICAL PLANT ☐ **N/A** *(Skip to part F)* — **Observed Pollution Source?** N	
E1. Building: Approximate age: 50 yrs. Condition of surfaces: ☒ Clean ☐ Stained ☐ Dirty ☐ Damaged	○
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? ☐ Y ☐ N ☐ Don't know	○

*Index: ○ denotes potential pollution source; ☐ denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age 15 yrs. Condition: ☒ Clean ☐ Stained ☐ Dirty ☒ Breaking up
Surface material ☒ Paved/Concrete ☐ Gravel ☐ Permeable ☐ Don't know ○

E3. Do downspouts discharge to impervious surface? ☐ Y ☐ N ☐ Don't know ☐ None visible
Are downspouts directly connected to storm drains? ☐ Y ☐ N ☐ Don't know ○

E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? ☐ Y ☒ N ☐ Can't Tell ○

F. TURF/LANDSCAPING AREAS ☐ **N/A** *(skip to part G)* **Observed Pollution Source?**

F1. % of site with: Forest canopy 0 % Turf grass 15 % Landscaping 10% Bare Soil 0 % High imperv. cover ●

F2. Rate the turf management status: ☐ High ☒ Medium ☐ Low ○

F3. Evidence of permanent irrigation or "non-target" irrigation ☐ Y ☐ N ☒ Can't Tell ○

F4. Do landscaped areas drain to the storm drain system? ☐ Y ☐ N ☒ Can't Tell ○

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? ☐ Y ☐ N ☒ Can't Tell ○

G. STORM WATER INFRASTRUCTURE ☐ **N/A** *(skip to part H)* **Observed Pollution Source?**

G1. Are storm water treatment practices present? ☐ Y ☒ N ☐ Unknown If yes, please describe: _____ ○

G2. Are private storm drains located at the facility? ☒ Y ☐ N ☐ Unknown
Is trash present in gutters leading to storm drains? If so, complete the index below. ○

Index Rating for Accumulation in Gutters

	Clean				Filthy
Sediment	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Organic material	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Litter	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5

G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: ☐ Dirty ☐ Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

☐ Not a hotspot (fewer than 5 circles and no boxes checked) ☒ Potential hotspot (5 to 10 circles but no boxes checked)
☐ Confirmed hotspot (10 to 15 circles and/or 1 box checked) ☐ Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:
- ☐ Refer for immediate enforcement
- ☐ Suggest follow-up on-site inspection
- ☐ Test for illicit discharge
- ☒ Include in future education effort
- ☐ Check to see if hotspot is an NPDES non-filer
- ☐ Onsite non-residential retrofit
- ☐ Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____
- ☐ Schedule a review of storm water pollution prevention plan

Notes:
Possible RPI although steep slope near river

Retrofit Reconnaissance Investigation **RRI**

WATERSHED: Peq.	SUBWATERSHED: LPR	UNIQUE SITE ID: RRI-LPR-02	
DATE: 10/19/10	ASSESSED BY: DRB/KMB	CAMERA ID: Canon	PICTURES: 195-196
GPS ID:	LMK ID:	LAT: 41°11'01.0"	LONG: 73°11'23.7"

SITE DESCRIPTION

Name: Vacant lot near Riverfront Park
Address: Housatonic Ave

Ownership: ☐ Public ☐ Private ☒ Unknown
If Public, Government Jurisdiction: ☐ Local ☐ State ☐ DOT ☐ Other:

Corresponding USSR/USA Field Sheet? ☒ Yes ☐ No If yes, Unique Site ID: HSI-LPR-04

Proposed Retrofit Location:

Storage
- ☐ Existing Pond
- ☐ Below Outfall
- ☐ In Road ROW
- ☐ Other:
- ☐ Above Roadway Culvert
- ☐ In Conveyance System
- ☐ Near Large Parking Lot

On-Site
- ☐ Hotspot Operation
- ☐ Small Parking Lot
- ☐ Individual Street
- ☑ Underground
- ☐ Individual Rooftop
- ☐ Small Impervious Area
- ☑ Landscape / Hardscape
- ☐ Other:

DRAINAGE AREA TO PROPOSED RETROFIT

Drainage Area ≈ _____
Imperviousness ≈ _____ %
Impervious Area ≈ _____

Notes:

Drainage Area Land Use:
- ☐ Residential
  - ☐ SFH (< 1 ac lots)
  - ☐ SFH (> 1 ac lots)
  - ☐ Townhouses
  - ☒ Multi-Family
- ☒ Commercial
- ☐ Institutional
- ☐ Industrial
- ☐ Transport-Related
- ☐ Park
- ☐ Undeveloped
- ☐ Other:

EXISTING STORMWATER MANAGEMENT

Existing Stormwater Practice: ☐ Yes ☐ No ☐ Possible
If Yes, Describe:

Piped drainage

Describe Existing Site Conditions, Including Existing Site Drainage and Conveyance:

Large Vacant lot across Housatonic Ave from Riverfront Park with large drainage system passing below

Existing Head Available and Points Where Measured:

Unfortunately, depth of storm line would limit what could be done

Unique Site ID: _____

PROPOSED RETROFIT

Purpose of Retrofit:
☒ Water Quality ☐ Recharge ☐ Channel Protection ☐ Flood Control
☐ Demonstration / Education ☐ Repair ☐ Other:_____

Retrofit Volume Computations - Target Storage:

Retrofit Volume Computations - Available Storage:

Proposed Treatment Option:
☒ Extended Detention ☐ Wet Pond ☐ Created Wetland ☐ Bioretention
☒ Filtering Practice ☐ Infiltration ☐ Swale ☐ Other:_____

Describe Elements of Proposed Retrofit, Including Surface Area, Maximum Depth of Treatment, and Conveyance:

SITE CONSTRAINTS

Adjacent Land Use:
☐ Residential ☒ Commercial ☐ Institutional
☐ Industrial ☐ Transport-Related ☐ Park
☒ Undeveloped ☒ Other: forest
Possible Conflicts Due to Adjacent Land Use? ☐ Yes ☐ No
If Yes, Describe:

Access:
☐ No Constraints
Constrained due to
☐ Slope ☐ Space
☐ Utilities ☐ Tree Impacts
☐ Structures ☐ Property Ownership
☐ Other:_____

Conflicts with Existing Utilities:
☐ None
☐ Unknown

Yes	Possible	
☐	☒	Sewer
☐	☒	Water
☐	☒	Gas
☐	☐	Cable
☐	☒	Electric
☐	☐	Electric to Streetlights
☒		Overhead Wires
☐	☐	Other:_____

Potential Permitting Factors:

Dam Safety Permits Necessary	☐ Probable	☒ Not Probable
Impacts to Wetlands	☐ Probable	☒ Not Probable
Impacts to a Stream	☐ Probable	☒ Not Probable
Floodplain Fill	☐ Probable	☒ Not Probable
Impacts to Forests	☐ Probable	☒ Not Probable
Impacts to Specimen Trees	☐ Probable	☒ Not Probable

How many?_____
Approx. DBH_____

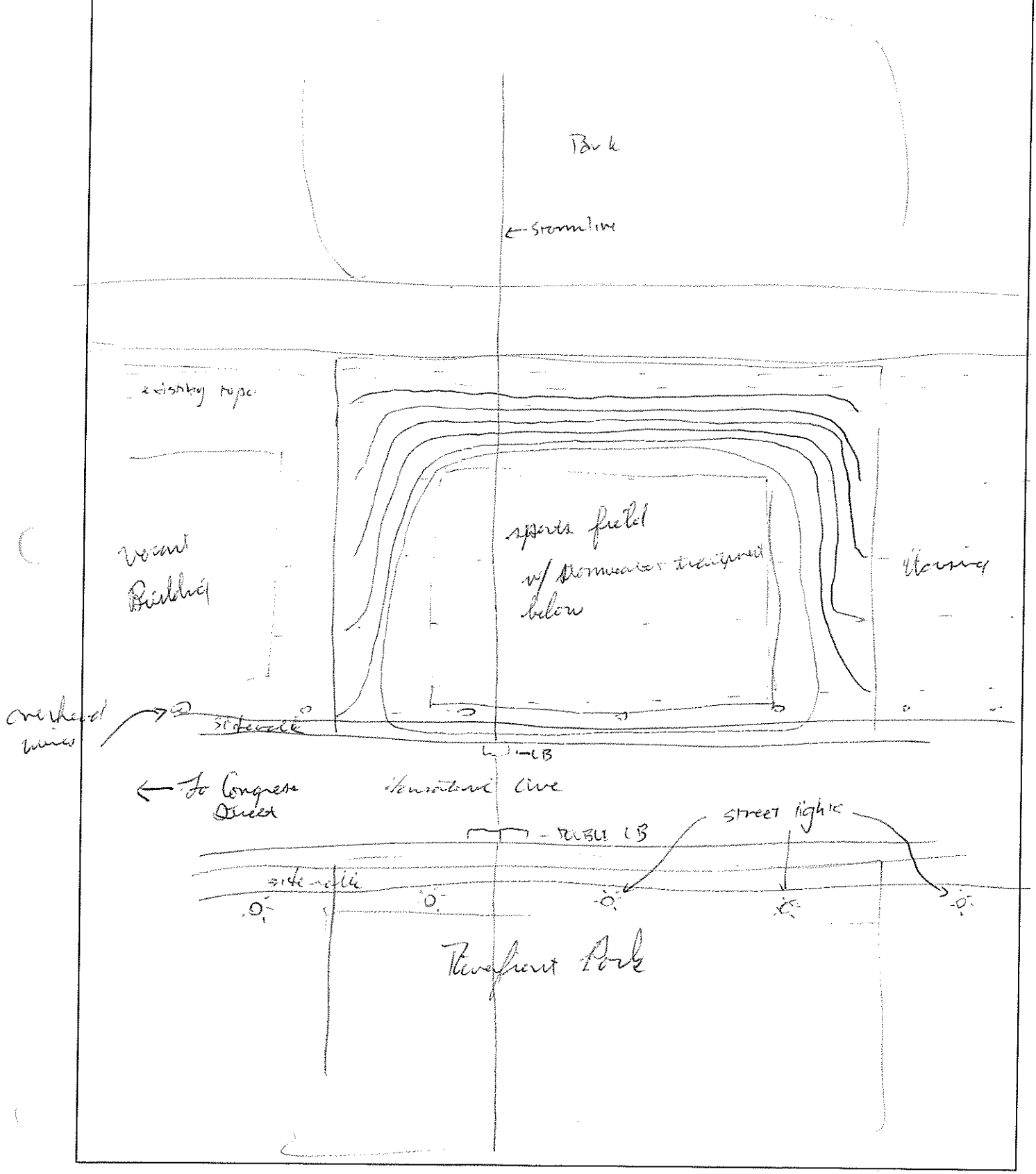
Other factors:_____

Soils:

Soil auger test holes:	☐ Yes	☐ No
Evidence of poor infiltration (clays, fines):	☐ Yes	☐ No
Evidence of shallow bedrock:	☐ Yes	☐ No
Evidence of high water table (gleying, saturation):	☐ Yes	☐ No

Unique Site ID:_____

SKETCH RRI-LPR-02



Unique Site ID: RRI-LPR-02

DESIGN OR DELIVERY NOTES

Not clear what practice would work – needs water quality benefit since discharge is to tidal portion of river, but a water quality practice requires sample many more frequent access points for cleaning, which is inconsistent with field use.

FOLLOW-UP NEEDED TO COMPLETE FIELD CONCEPT

- [x] Confirm property ownership
- [x] Confirm drainage area
- [x] Confirm drainage area impervious cover
- [x] Confirm volume computations
- [x] Complete concept sketch
- [ ] Obtain existing stormwater practice as-builts
- [ ] Obtain site as-builts
- [x] Obtain detailed topography
- [x] Obtain utility mapping
- [x] Confirm storm drain invert elevations
- [x] Confirm soil types
- [ ] Other:_____

INITIAL FEASIBILITY AND CONSTRUCTION CONSIDERATIONS

all above.

SITE CANDIDATE FOR FURTHER INVESTIGATION:	☐ YES	☐ NO	☐ MAYBE
IS SITE CANDIDATE FOR EARLY ACTION PROJECT(S):	☐ YES	☐ NO	☐ MAYBE
IF NO, SITE CANDIDATE FOR OTHER RESTORATION PROJECT(S):	☐ YES	☐ NO	☐ MAYBE

IF YES, TYPE(S):_____

Unique Site ID:_____

Neighborhood Source Assessment **NSA**

WATERSHED:	SUBWATERSHED: LPR	UNIQUE SITE ID: NSA-LPR-02	
DATE: 10/19/16	ASSESSED BY: KMB	CAMERA ID:	PIC#: 197-202

A. NEIGHBORHOOD CHARACTERIZATION

Neighborhood/Subdivision Name: Public Housing & River Front Park Neighborhood Area (acres) _____

If unknown, address (or streets) surveyed: Clifford House Main St & Lumber St.

Homeowners Association? ☐ Y ☒ N ☐ Unknown If yes, name and contact information: _____

Residential *(circle average single family lot size):*

☐ Single Family Attached (Duplexes, Row Homes) <⅛ ⅛ ¼ ⅓ ½ acre ☒ Multifamily (Apts, Townhomes, Condos)

☐ Single Family Detached <¼ ¼ ½ 1 >1 acre ☐ Mobile Home Park

Estimated Age of Neighborhood: 80 years | Percent of Homes with Garages: 0 % With Basements ___ %

	INDEX*
Sewer Service? ☒ Y ☐ N	○
Index of Infill, Redevelopment, and Remodeling ☐ No Evidence ☐ <5% of units ☐ 5-10% ☒ >10%	●

Record percent observed for each of the following indicators, depending on applicability and/or site complexity	Percentage	Comments/Notes	INDEX*
B. YARD AND LAWN CONDITIONS			
B1. % of lot with impervious cover	60		
B2. % of lot with grass cover	20		○
B3. % of lot with landscaping (e.g., mulched bed areas)	20		◇
B4. % of lot with bare soil	0		○
**Note: B1 through B4 must total 100%*			
B5. % of lot with forest canopy	10		◇
B6. Evidence of permanent irrigation or "non-target" irrigation			○
B7. Proportion of *total neighborhood* turf lawns with following management status:	High: ___		○
	Med: 60		
	Low: ___		
B8. Outdoor swimming pools? ☐ Y ☒ N ☐ Can't Tell Estimated # ___			○
B9. Junk or trash in yards? ☐ Y ☒ N ☐ Can't Tell			○
C. DRIVEWAYS, SIDEWALKS, AND CURBS			
C1. % of driveways that are impervious ☒ N/A			
C2. Driveway Condition ☐ Clean ☐ Stained ☐ Dirty ☐ Breaking up			○
C3. Are sidewalks present? ☒ Y ☐ N If yes, are they on one side of street ☐ or along both sides ☐			
☒ Spotless ☐ Covered with lawn clippings/leaves ☐ Receiving 'non-target' irrigation			○
What is the distance between the sidewalk and street? 0 ft.			◇
Is pet waste present in this area? ☐ Y ☒ N ☐ N/A			○
C4. Is curb and gutter present? ☒ Y ☐ N If yes, check all that apply:			
☒ Clean and Dry ☐ Flowing or standing water ☐ Long-term car parking ☒ Sediment			●
☐ Organic matter, leaves, lawn clippings ☐ Trash, litter, or debris ☐ Overhead tree canopy			◇

* INDEX: ○ denotes potential pollution source; ◇ denotes a neighborhood restoration opportunity

D. ROOFTOPS			
D1. Downspouts are directly connected to storm drains or sanitary sewer	100		◆ ●
D2. Downspouts are directed to impervious surface	—		
D3. Downspouts discharge to pervious area	—		
D4. Downspouts discharge to a cistern, rain barrel, etc.	—		
**Note: C1 through C4 should total 100%*			
D5. Lawn area present downgradient of leader for rain garden? ☐ Y ☐ N			◇
E. COMMON AREAS			
E1. Storm drain inlets? ☒ Y ☐ N If yes, are they stenciled? ☐ Y ☒ N Condition: ☐ Clean ☒ Dirty			◆
Catch basins inspected? ☐ Y ☒ N If yes, include Unique Site ID from SSD sheet: _____			○
E2. Storm water pond? ☐ Y ☒ N Is it a ☐ wet pond or ☐ dry pond? Is it overgrown? ☐ Y ☐ N What is the estimated pond area? ☐ <1 acre ☐ about 1 acre ☐ > 1 acre			◇
E3. Open Space? ☒ Y ☐ N If yes, is pet waste present? ☐ Y ☒ N dumping? ☐ Y ☒ N			○
Buffers/floodplain present: ☐ Y ☐ N If yes, is encroachment evident? ☐ Y ☐ N			
F. INITIAL NEIGHBORHOOD ASSESSMENT AND RECOMMENDATIONS			
Based on field observations, this neighborhood has significant indicators for the following: (*check all that apply*) ☐ Nutrients ☐ Oil and Grease ☐ Trash/Litter ☐ Bacteria ☒ Sediment ☐ Other _____			●

Recommended Actions

Specific Action

- ☒ Onsite retrofit potential?
- ☐ Better lawn/landscaping practice?
- ☐ Better management of common space?
- ☐ Pond retrofit?
- ☒ Multi-family Parking Lot Retrofit?
- ☐ Other action(s) _____

Describe Recommended Actions:

Stormwater retrofit along Housatonic to divert to SW BASIN. Public property

drains upstream areas also (park)

parking lot retrofit for housing complex

Initial Assessment

NSA Pollution Severity Index

- ☐ Severe (More than 10 circles checked)
- ☐ High (5 to 10 circles checked)
- ☒ Moderate (Fewer than 5 circles checked)
- ☐ None (No circles checked)

Neighborhood Restoration Opportunity Index

- ☐ High (More than 5 diamonds checked)
- ☐ Moderate (3-5 diamonds checked)
- ☒ Low (Fewer than 3 diamonds checked)

NOTES:

WATERSHED: Peq.	SUBWATERSHED: LPR	UNIQUE SITE ID: RRI-LPR-03	
DATE: 10/19/10	ASSESSED BY: DRB	CAMERA ID: Canon	PICTURES: 203-204
GPS ID:	LMK ID:	LAT: 41° 11' ~~01.1~~ 01.7"	LONG: 73° 11' 24.6"

SITE DESCRIPTION

Name: Hawatani Street Green Area
Address:

Ownership: ☒ Public ☐ Private ☐ Unknown
If Public, Government Jurisdiction: ☒ Local ☐ State ☐ DOT ☐ Other:

Corresponding USSR/USA Field Sheet? ☐ Yes ☒ No If yes, Unique Site ID:

Proposed Retrofit Location:

Storage
- ☐ Existing Pond
- ☐ Below Outfall
- ☐ In Road ROW
- ☐ Other:
- ☐ Above Roadway Culvert
- ☐ In Conveyance System
- ☐ Near Large Parking Lot

On-Site
- ☐ Hotspot Operation
- ☐ Small Parking Lot
- ☐ Individual Street
- ☐ Underground
- ☐ Individual Rooftop
- ☐ Small Impervious Area
- ☐ Landscape / Hardscape
- ☐ Other:

DRAINAGE AREA TO PROPOSED RETROFIT

Drainage Area ≈
Imperviousness ≈ %
Impervious Area ≈

Notes: limited to roadway drainage

Drainage Area Land Use:
- ☐ Residential
  - ☐ SFH (< 1 ac lots)
  - ☐ SFH (> 1 ac lots)
  - ☐ Townhouses
  - ☐ Multi-Family
- ☐ Commercial
- ☐ Institutional
- ☐ Industrial
- ☒ Transport-Related
- ☐ Park
- ☐ Undeveloped
- ☐ Other:

EXISTING STORMWATER MANAGEMENT

Existing Stormwater Practice: ☒ Yes ☐ No ☐ Possible
If Yes, Describe:

Deep sump catch basins

Describe Existing Site Conditions, Including Existing Site Drainage and Conveyance:

- Very wide road with wide painted median, wide sidewalks and wide lanes

Existing Head Available and Points Where Measured:

Unique Site ID:

PROPOSED RETROFIT

Purpose of Retrofit:
☐ Water Quality ☐ Recharge ☐ Channel Protection ☐ Flood Control
☐ Demonstration / Education ☐ Repair ☐ Other:_____

Retrofit Volume Computations - Target Storage:

Retrofit Volume Computations - Available Storage:

Proposed Treatment Option:
☐ Extended Detention ☐ Wet Pond ☐ Created Wetland ☐ Bioretention
☐ Filtering Practice ☐ Infiltration ☐ Swale ☐ Other:_____

Describe Elements of Proposed Retrofit, Including Surface Area, Maximum Depth of Treatment, and Conveyance:

SITE CONSTRAINTS

Adjacent Land Use:
☐ Residential ☐ Commercial ☐ Institutional
☐ Industrial ☐ Transport-Related ☐ Park
☐ Undeveloped ☐ Other:_____
Possible Conflicts Due to Adjacent Land Use? ☐ Yes ☐ No
If Yes, Describe:

Access:
☐ No Constraints
Constrained due to
☐ Slope ☐ Space
☐ Utilities ☐ Tree Impacts
☐ Structures ☐ Property Ownership
☐ Other:_____

Conflicts with Existing Utilities:
☐ None
☐ Unknown

Yes	Possible	
☐	☐	Sewer
☐	☐	Water
☐	☐	Gas
☐	☐	Cable
☐	☐	Electric
☐	☐	Electric to Streetlights
☐		Overhead Wires
☐	☐	Other:_____

Potential Permitting Factors:

Dam Safety Permits Necessary	☐ Probable	☐ Not Probable
Impacts to Wetlands	☐ Probable	☐ Not Probable
Impacts to a Stream	☐ Probable	☐ Not Probable
Floodplain Fill	☐ Probable	☐ Not Probable
Impacts to Forests	☐ Probable	☐ Not Probable
Impacts to Specimen Trees	☐ Probable	☐ Not Probable

How many?_____
Approx. DBH_____

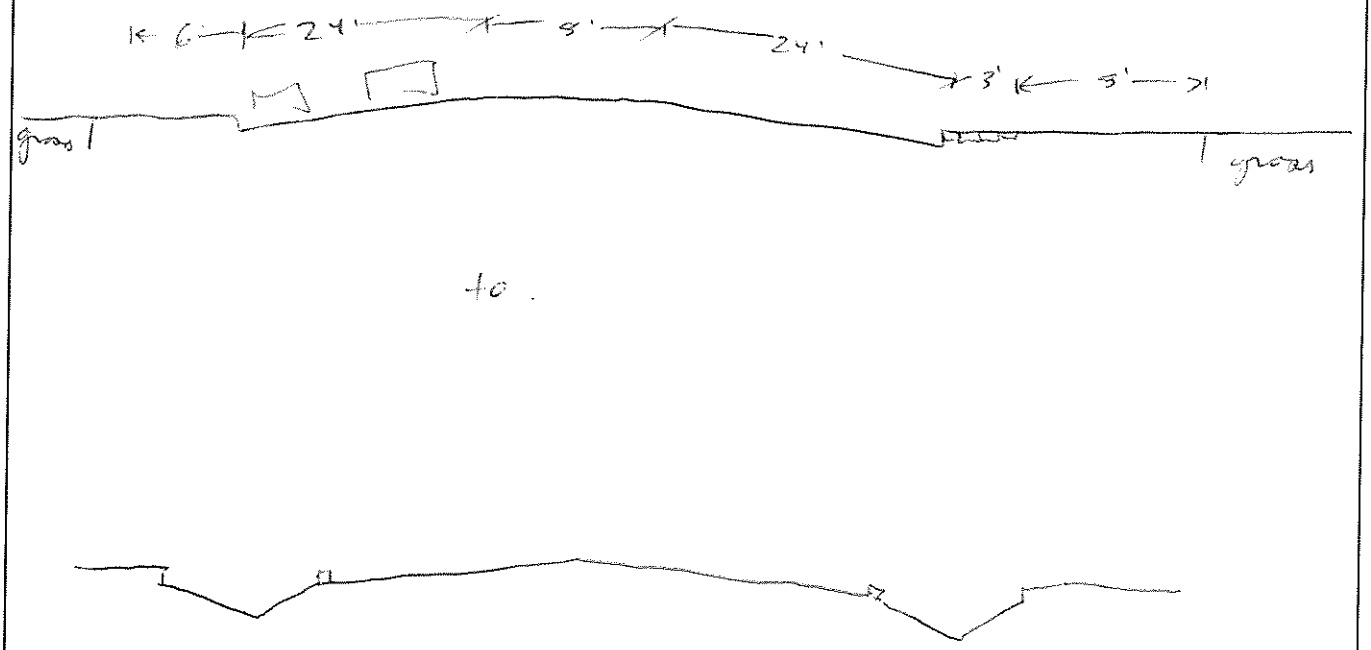
Other factors:_____
_____

Soils:

Soil auger test holes:	☐ Yes	☐ No
Evidence of poor infiltration (clays, fines):	☐ Yes	☐ No
Evidence of shallow bedrock:	☐ Yes	☐ No
Evidence of high water table (gleying, saturation):	☐ Yes	☐ No

Unique Site ID:_____

SKETCH RRI-LPR-03



to.

Unique Site ID: RRI-LPR-03

DESIGN OR DELIVERY NOTES

FOLLOW-UP NEEDED TO COMPLETE FIELD CONCEPT

- ☐ Confirm property ownership
- ☐ Confirm drainage area
- ☐ Confirm drainage area impervious cover
- ☐ Confirm volume computations
- ☐ Complete concept sketch
- ☐ Obtain existing stormwater practice as-builts
- ☐ Obtain site as-builts
- ☐ Obtain detailed topography
- ☐ Obtain utility mapping
- ☐ Confirm storm drain invert elevations
- ☐ Confirm soil types
- ☐ Other:_____

INITIAL FEASIBILITY AND CONSTRUCTION CONSIDERATIONS

SITE CANDIDATE FOR FURTHER INVESTIGATION:	☐ YES	☐ NO	☐ MAYBE
IS SITE CANDIDATE FOR EARLY ACTION PROJECT(S):	☐ YES	☐ NO	☐ MAYBE
IF NO, SITE CANDIDATE FOR OTHER RESTORATION PROJECT(S):	☐ YES	☐ NO	☐ MAYBE

IF YES, TYPE(S):_____

Unique Site ID:_____

Retrofit Reconnaissance Investigation **RRI**

WATERSHED: Reg	**SUBWATERSHED:** LPR		**UNIQUE SITE ID:** RRI-LPR-04
DATE: 10/14/10	**ASSESSED BY:** DRB	**CAMERA ID:** Canon	**PICTURES:** 205-210
GPS ID:	**LMK ID:**	**LAT:** 41°10'55.6"	**LONG:** 73°11'5.1"

SITE DESCRIPTION

Name: Playground Park

Address:

Ownership: ☐ Public ☒ Private ☐ Unknown

If Public, Government Jurisdiction: ☐ Local ☐ State ☐ DOT ☐ Other:

Corresponding USSR/USA Field Sheet? ☐ Yes ☐ No If yes, Unique Site ID:

Proposed Retrofit Location:

Storage
- ☐ Existing Pond
- ☐ Below Outfall
- ☐ In Road ROW
- ☐ Other:
- ☐ Above Roadway Culvert
- ☐ In Conveyance System
- ☒ Near Large Parking Lot

On-Site
- ☐ Hotspot Operation
- ☐ Small Parking Lot
- ☐ Individual Street
- ☐ Underground
- ☐ Individual Rooftop
- ☐ Small Impervious Area
- ☐ Landscape / Hardscape
- ☐ Other:

DRAINAGE AREA TO PROPOSED RETROFIT

Drainage Area ≈ _____

Imperviousness ≈ _____ %

Impervious Area ≈ _____

Notes:

Drainage Area Land Use:
- ☐ Residential
  - ☐ SFH (< 1 ac lots)
  - ☐ SFH (> 1 ac lots)
  - ☐ Townhouses
  - ☐ Multi-Family
- ☐ Commercial
- ☐ Institutional
- ☐ Industrial
- ☐ Transport-Related
- ☐ Park
- ☐ Undeveloped
- ☐ Other:

EXISTING STORMWATER MANAGEMENT

Existing Stormwater Practice: ☒ Yes ☐ No ☒ Possible

If Yes, Describe:

Potential flapper valves for holes

Describe Existing Site Conditions, Including Existing Site Drainage and Conveyance:

Large parking lot, large portions potentially unused

Existing Head Available and Points Where Measured:

5 to 6 feet; ample height above river.

Unique Site ID: _____

PROPOSED RETROFIT

Purpose of Retrofit:
☒ Water Quality ☐ Recharge ☐ Channel Protection ☐ Flood Control
☐ Demonstration / Education ☐ Repair ☐ Other:_____

Retrofit Volume Computations - Target Storage:

Retrofit Volume Computations - Available Storage:

Proposed Treatment Option:
☐ Extended Detention ☐ Wet Pond ☐ Created Wetland ☐ Bioretention
☐ Filtering Practice ☐ Infiltration ☐ Swale ☐ Other:_____

Describe Elements of Proposed Retrofit, Including Surface Area, Maximum Depth of Treatment, and Conveyance:

Water quality upgrade treat lot drainage or larger area

SITE CONSTRAINTS

Adjacent Land Use:
☐ Residential ☐ Commercial ☐ Institutional
☐ Industrial ☐ Transport-Related ☐ Park
☐ Undeveloped ☐ Other:_____
Possible Conflicts Due to Adjacent Land Use? ☐ Yes ☐ No
If Yes, Describe:

Access:
☐ No Constraints
Constrained due to
☐ Slope ☐ Space
☐ Utilities ☐ Tree Impacts
☐ Structures ☒ Property Ownership
☐ Other:_____

Conflicts with Existing Utilities:
☐ None
☐ Unknown

Yes	Possible	
☐	☐	Sewer
☐	☒	Water
☐	☐	Gas
☐	☐	Cable
☐	☐	Electric
☐	☒	Electric to Streetlights
☐		Overhead Wires
☐	☐	Other:_____

Potential Permitting Factors:

Dam Safety Permits Necessary	☐ Probable	☐ Not Probable
Impacts to Wetlands	☐ Probable	☐ Not Probable
Impacts to a Stream	☐ Probable	☐ Not Probable
Floodplain Fill	☐ Probable	☐ Not Probable
Impacts to Forests	☐ Probable	☐ Not Probable
Impacts to Specimen Trees	☐ Probable	☐ Not Probable

How many?_____
Approx. DBH_____

Other factors:_____

Soils:

Soil auger test holes:	☐ Yes	☐ No
Evidence of poor infiltration (clays, fines):	☐ Yes	☐ No
Evidence of shallow bedrock:	☐ Yes	☐ No
Evidence of high water table (gleying, saturation):	☐ Yes	☐ No

Unique Site ID:_____

SKETCH RRI-LPR-04

Unique Site ID:_____

DESIGN OR DELIVERY NOTES

FOLLOW-UP NEEDED TO COMPLETE FIELD CONCEPT

- ☐ Confirm property ownership
- ☐ Confirm drainage area
- ☐ Confirm drainage area impervious cover
- ☐ Confirm volume computations
- ☐ Complete concept sketch
- ☐ Obtain existing stormwater practice as-builts
- ☐ Obtain site as-builts
- ☐ Obtain detailed topography
- ☐ Obtain utility mapping
- ☐ Confirm storm drain invert elevations
- ☐ Confirm soil types
- ☐ Other:_____

INITIAL FEASIBILITY AND CONSTRUCTION CONSIDERATIONS

SITE CANDIDATE FOR FURTHER INVESTIGATION:	☐ YES	☐ NO	☐ MAYBE
IS SITE CANDIDATE FOR EARLY ACTION PROJECT(S):	☐ YES	☐ NO	☐ MAYBE
IF NO, SITE CANDIDATE FOR OTHER RESTORATION PROJECT(S):	☐ YES	☐ NO	☐ MAYBE

IF YES, TYPE(S):_____

Unique Site ID:_____

Neighborhood Source Assessment **NSA**

WATERSHED: Pequonnock	SUBWATERSHED: LPR	UNIQUE SITE ID: NSA-LPR-03	
DATE: 10/19/10	ASSESSED BY: KMB	CAMERA ID:	PIC#: 211-218

A. NEIGHBORHOOD CHARACTERIZATION

Neighborhood/Subdivision Name: Garfield Ave Neighborhood Area (acres) _____

If unknown, address (or streets) surveyed:

Homeowners Association? ☐ Y ☒ N ☐ Unknown If yes, name and contact information: _____

Residential *(circle average single family lot size):* 1/10th 2-family

☐ Single Family Attached (Duplexes, Row Homes) (<⅛) ⅛ ¼ ⅓ ½ acre ☒ Multifamily (Apts, Townhomes, Condos)

☐ Single Family Detached <¼ ¼ ½ 1 >1 acre ☐ Mobile Home Park

Estimated Age of Neighborhood: 100 years	Percent of Homes with Garages: 0 % With Basements 100%	INDEX*
Sewer Service? ☒ Y ☐ N		○
Index of Infill, Redevelopment, and Remodeling ☐ No Evidence ☐ <5% of units ☐ 5-10% ☒ >10%		●

Record percent observed for each of the following indicators, depending on applicability and/or site complexity	Percentage	Comments/Notes	
B. YARD AND LAWN CONDITIONS			
B1. % of lot with impervious cover	90		
B2. % of lot with grass cover	5		○
B3. % of lot with landscaping (e.g., mulched bed areas)	5		◇
B4. % of lot with bare soil	0		○
**Note: B1 through B4 must total 100%*			
B5. % of lot with forest canopy	5		◇
B6. Evidence of permanent irrigation or "non-target" irrigation			○
B7. Proportion of *total neighborhood* turf lawns with following management status:	High: ___		○
	Med: ___		
	Low: 100		
B8. Outdoor swimming pools? ☐ Y ☒ N ☐ Can't Tell Estimated # ___			○
B9. Junk or trash in yards? ☐ Y ☐ N ☐ Can't Tell			○
C. DRIVEWAYS, SIDEWALKS, AND CURBS			
C1. % of driveways that are impervious ☐ N/A			
C2. Driveway Condition ☐ Clean ☐ Stained ☐ Dirty ☒ Breaking up			○
C3. Are sidewalks present? ☒ Y ☐ N If yes, are they on one side of street ☐ or along both sides ☒			
☒ Spotless ☐ Covered with lawn clippings/leaves ☐ Receiving 'non-target' irrigation			○
What is the distance between the sidewalk and street? 2 ft.			◇
Is pet waste present in this area? ☐ Y ☒ N ☐ N/A			○
C4. Is curb and gutter present? ☒ Y ☐ N If yes, check all that apply:			
☐ Clean and Dry ☐ Flowing or standing water ☒ Long-term car parking ☒ Sediment			●
☒ Organic matter, leaves, lawn clippings ☒ Trash, litter, or debris ☐ Overhead tree canopy			◆

* INDEX: ○ denotes potential pollution source; ◇ denotes a neighborhood restoration opportunity

D. ROOFTOPS			
D1. Downspouts are directly connected to storm drains or sanitary sewer	75		◆ ●
D2. Downspouts are directed to impervious surface	20		
D3. Downspouts discharge to pervious area	5		
D4. Downspouts discharge to a cistern, rain barrel, etc.	0		
**Note: C1 through C4 should total 100%*			
D5. Lawn area present downgradient of leader for rain garden? ☐ Y ☒ N			◇
E. COMMON AREAS			
E1. Storm drain inlets? ☒ Y ☐ N If yes, are they stenciled? ☐ Y ☒ N Condition: ☐ Clean ☒ Dirty			◆
Catch basins inspected? ☒ Y ☐ N If yes, include Unique Site ID from SSD sheet: SSD-LPR-03			●
E2. Storm water pond? ☐ Y ☒ N Is it a ☐ wet pond or ☐ dry pond? Is it overgrown? ☐ Y ☐ N What is the estimated pond area? ☐ <1 acre ☐ about 1 acre ☐ > 1 acre			◇
E3. Open Space? ☐ Y ☒ N If yes, is pet waste present? ☐ Y ☐ N dumping? ☐ Y ☐ N			○
Buffers/floodplain present: ☐ Y ☒ N If yes, is encroachment evident? ☐ Y ☐ N			
F. INITIAL NEIGHBORHOOD ASSESSMENT AND RECOMMENDATIONS			
Based on field observations, this neighborhood has significant indicators for the following: *(check all that apply)* ☐ Nutrients ☐ Oil and Grease ☐ Trash/Litter ☐ Bacteria ☐ Sediment ☐ Other _____			○

Recommended Actions

Specific Action

- ☐ Onsite retrofit potential?
- ☒ Better lawn/landscaping practice?
- ☐ Better management of common space?
- ☐ Pond retrofit?
- ☐ Multi-family Parking Lot Retrofit? SLE →
- ☒ Other action(s) _____

Describe Recommended Actions:

Streetsweeping, catch basin stenciling
plots too small for rain gardens, etc.
possible downspout disconnect although
little land area for landscaping

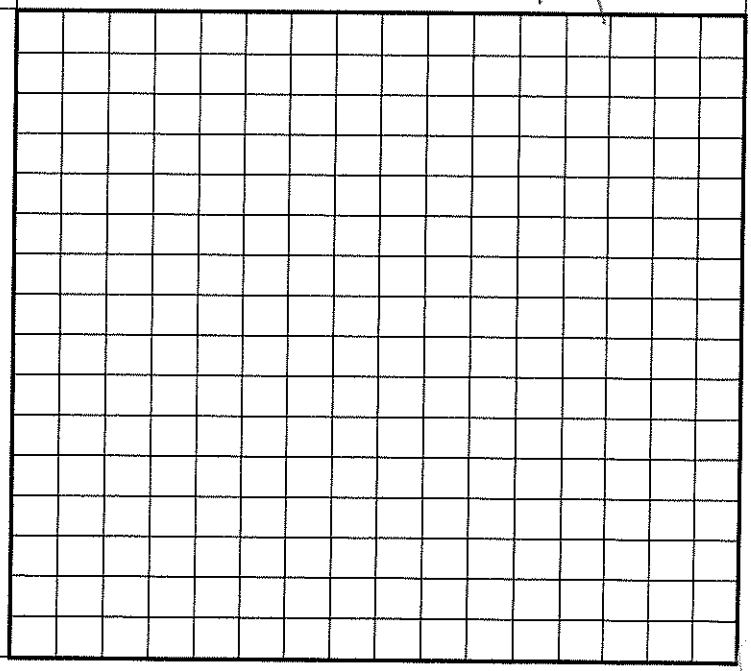
Initial Assessment

NSA Pollution Severity Index

- ☐ Severe (More than 10 circles checked)
- ☐ High (5 to 10 circles checked)
- ☒ Moderate (Fewer than 5 circles checked)
- ☐ None (No circles checked)

Neighborhood Restoration Opportunity Index

- ☐ High (More than 5 diamonds checked)
- ☒ Moderate (3-5 diamonds checked)
- ☐ Low (Fewer than 3 diamonds checked)



NOTES:

WATERSHED: Rey	**SUBWATERSHED:** LPR	**UNIQUE SITE ID:** SSD-LPR-03
DATE: 10/19/10	**ASSESSED BY:** DES	**CAMERA ID:** Canon
MAP GRID	**RAIN IN LAST 24 HOURS** ☐ Y ☒ N	**PIC #** 215, 218

A. LOCATION

A1. Street names or neighborhood surveyed: Cor

A2. Adjacent land use: ☒ Residential ☐ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related

A3. Corresponding HSI or NSA field sheet? If so, circle HSI or NSA and record its Unique Site ID here _____

B. STREET CONDITIONS

B1. Road Type: ☐ Arterial ☐ Collector ☒ Local ☐ Alley ☐ Other: _____

B2. Condition of Pavement: ☐ New ☒ Good ☐ Cracked ☐ Broken

B3. Is on-street parking permitted ☒ Y ☐ N If yes, approximate number of cars per block: 1 million

B4. Are large cul-de-sacs present? ☐ Y ☒ N

B5. Is trash present in curb and gutter? If so, use the index to the right to record amount.

	Index Rating for Accumulation in Gutters				
	Clean				Filthy
Sediment	☐ 1	☐ 2	☐ 3	☒ 4	☐ 5
Organic Material	☐ 1	☐ 2	☒ 3	☐ 4	☐ 5
Litter	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5

C. STORM DRAIN INLETS AND CATCH BASINS

C1. Type of storm drain conveyance: ☐ open ☒ enclosed ☐ mixed

C2. Percentage of inlets with catch basin storage: _____ ☐ N/A

Sample 1-2 catch basins per NSA/HSI	**C3.** Catch basin #1	**C4.** Catch basin #2
Latitude	41° 11' 47.3"	41° 11' 50.6"
Longitude	73° 12' 00.3"	73° 12' 03.5"
LMK #		
Picture #	215	218
Current Condition	☒ Wet ☐ Dry	☒ Wet ☐ Dry
Condition of Inlet	☐ Clear ☒ Obstructed	☐ Clear ☒ Obstructed
Litter Accumulation	☒ Y ☐ N	☒ Y ☐ N
Organics Accumulation	☒ Y ☐ N	☒ Y ☐ N
Sediment Accumulation	☒ Y ☐ N	☒ Y ☐ N
Sediment Depth (in feet)	1 ft.	1 ft.
Water Depth	0.5 ft.	0.5 ft.
Evidence of oil and grease	☒ Y ☐ N	☒ Y ☐ N
Sulfur smell	☐ Y ☒ N	☐ Y ☒ N
Accessible to vacuum truck	☒ Y ☐ N	☒ Y ☐ N

D. NON-RESIDENTIAL PARKING LOT (>2 acres)

D1. Approximate size: _____ acres

D2. Lot Utilization: ☐ Full ☐ About half full ☐ Empty

D3. Overall condition of Pavement: ☐ Smooth (no cracks) ☐ Medium (few cracks) ☐ Rough (many cracks) ☐ Very Rough (numerous cracks and depressions)

D4. Is lot served by a storm water treatment practice? ☐ Y ☐ N If yes, describe: _____

D5. On-site retrofit potential: ☐ Excellent ☐ Good ☐ Poor

E. Municipal Pollutant Reduction Strategies

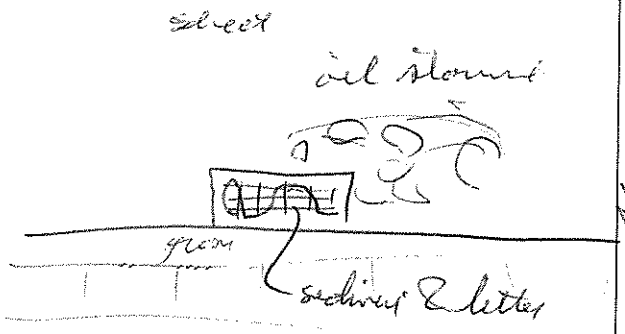
E1. Degree of pollutant accumulation in the system: ☐ High ☐ Medium ☐ Low ☐ None

E2. Rate the feasibility of the following pollution prevention strategies:

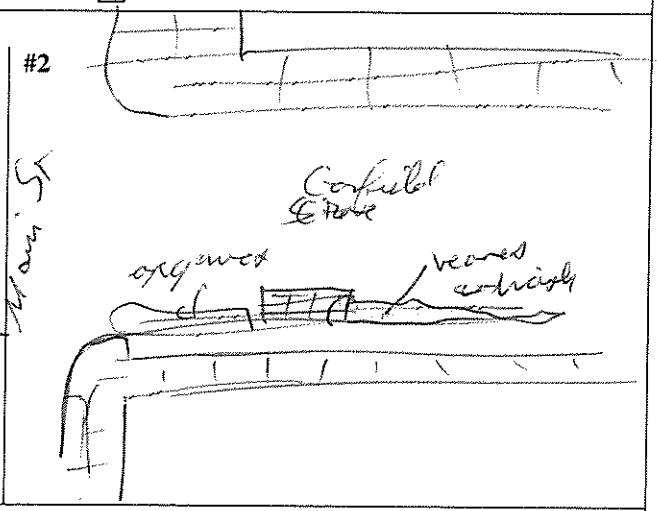
Street Sweeping:	☐ High	☒ Moderate	☐ Low
Storm Drain Stenciling:	☐ High	☒ Moderate	☐ Low
Catch Basin Clean-outs:	☐ High	☐ Moderate	☒ Low
Parking Lot Retrofit Potential:	☐ High	☐ Moderate	☐ Low

Catch Basin Sketches

#1



#2



Notes:

- Sweeper clearly does not go here frequently; heavy use of on-street parking would prevent access
- Very few catch basins along street; stenciling would reach a limited audience

Neighborhood Source Assessment **NSA**

WATERSHED: Tea	SUBWATERSHED: ISL	UNIQUE SITE ID: NSA-ISL-03	
DATE: 10/10/10	ASSESSED BY: DTS	CAMERA ID: Canon	PIC#: 219-222

A. NEIGHBORHOOD CHARACTERIZATION

Neighborhood/Subdivision Name: Chamberlord Ave/Pond St Neighborhood Area (acres) _____
If unknown, address (or streets) surveyed:

Homeowners Association? ☐ Y ☑ N ☐ Unknown If yes, name and contact information: _____

Residential *(circle average single family lot size):*

☐ Single Family Attached (Duplexes, Row Homes) <⅛ ⅛ ¼ ⅓ ⅓ acre ☐ Multifamily (Apts, Townhomes, Condos)
☒ Single Family Detached (¼) ¼ ½ 1 >1 acre ☐ Mobile Home Park

Estimated Age of Neighborhood: 60 years | Percent of Homes with Garages: 10 % With Basements ~90+% | **INDEX***

Sewer Service? ☒ Y ☐ N Combined? | ○

Index of Infill, Redevelopment, and Remodeling ☐ No Evidence ☐ <5% of units ☒ 5-10% ☐ >10% | ○

Record percent observed for each of the following indicators, depending on applicability and/or site complexity	Percentage	Comments/Notes	
B. YARD AND LAWN CONDITIONS			
B1. % of lot with impervious cover	50		
B2. % of lot with grass cover	40		○
B3. % of lot with landscaping (e.g., mulched bed areas)	10		◇
B4. % of lot with bare soil	~0		○
**Note: B1 through B4 must total 100%*			
B5. % of lot with forest canopy	20		◇
B6. Evidence of permanent irrigation or "non-target" irrigation	0		○
B7. Proportion of *total neighborhood* turf lawns with following management status:	High: 20		○
	Med: ~~50~~		
	Low: 30		
B8. Outdoor swimming pools? ☐ Y ☒ N ☐ Can't Tell Estimated # ____			○
B9. Junk or trash in yards? ☒ Y ☐ N ☐ Can't Tell	10		○
C. DRIVEWAYS, SIDEWALKS, AND CURBS			
C1. % of driveways that are impervious ☐ N/A	100		
C2. Driveway Condition ☒ Clean ☐ Stained ☐ Dirty ☐ Breaking up			○
C3. Are sidewalks present? ☐ Y ☒ N If yes, are they on one side of street ☐ or along both sides ☐			
☐ Spotless ☐ Covered with lawn clippings/leaves ☐ Receiving 'non-target' irrigation			○
What is the distance between the sidewalk and street? _____ ft.			◇
Is pet waste present in this area? ☐ Y ☐ N ☐ N/A			○
C4. Is curb and gutter present? ☐ Y ☒ N If yes, check all that apply:			
☐ Clean and Dry ☐ Flowing or standing water ☒ Long-term car parking ☐ Sediment			○
☐ Organic matter, leaves, lawn clippings ☐ Trash, litter, or debris ☐ Overhead tree canopy			◇

* INDEX: ○ denotes potential pollution source; ◇ denotes a neighborhood restoration opportunity

D. ROOFTOPS

D1. Downspouts are directly connected to storm drains or sanitary sewer	20		◇ ○
D2. Downspouts are directed to impervious surface	60		
D3. Downspouts discharge to pervious area	20		
D4. Downspouts discharge to a cistern, rain barrel, etc.	0		
**Note: C1 through C4 should total 100%*			
D5. Lawn area present downgradient of leader for rain garden? ☒ Y ☐ N	50		◇

E. COMMON AREAS

E1. Storm drain inlets? ☐ Y ☒ N If yes, are they stenciled? ☒ Y ☐ N Condition: ☐ Clean ☐ Dirty ◇

Catch basins inspected? ☐ Y ☒ N If yes, include Unique Site ID from SSD sheet: _____ ○

E2. Storm water pond? ☐ Y ☒ N Is it a ☐ wet pond or ☐ dry pond? Is it overgrown? ☐ Y ☐ N ◇
What is the estimated pond area? ☐ <1 acre ☐ about 1 acre ☐ > 1 acre

E3. Open Space? ☒ Y ☐ N If yes, is pet waste present? ☐ Y ☒ N dumping? ☒ Y ☐ N ○

Buffers/floodplain present: ☐ Y ☐ N If yes, is encroachment evident? ☐ Y ☐ N

F. INITIAL NEIGHBORHOOD ASSESSMENT AND RECOMMENDATIONS

Based on field observations, this neighborhood has significant indicators for the following: *(check all that apply)* ○
☐ Nutrients ☒ Oil and Grease ☐ Trash/Litter ☐ Bacteria ☒ Sediment ☐ Other _____

Recommended Actions

Specific Action

- ☐ Onsite retrofit potential?
- ☒ Better lawn/landscaping practice?
- ☒ Better management of common space?
- ☐ Pond retrofit?
- ☐ Multi-family Parking Lot Retrofit?
- ☐ Other action(s) _____

Describe Recommended Actions:

Initial Assessment

NSA Pollution Severity Index

- ☐ Severe (More than 10 circles checked)
- ☐ High (5 to 10 circles checked)
- ☐ Moderate (Fewer than 5 circles checked)
- ☐ None (No circles checked)

Neighborhood Restoration Opportunity Index

- ☐ High (More than 5 diamonds checked)
- ☐ Moderate (3-5 diamonds checked)
- ☐ Low (Fewer than 3 diamonds checked)

NOTES:

Hotspot Site Investigation **HSI**

WATERSHED: Pequannock	SUBWATERSHED: MPR	UNIQUE SITE ID: HSI-MPR-01
DATE: 10/19/18	ASSESSED BY: KMB / CAMERA ID:	PIC#: 223-227
MAP GRID:	LAT 41 12 36.8" LONG 73° 11 '28.5	LMK #

A. SITE DATA AND BASIC CLASSIFICATION

Name and Address: Sylvan Avenue Home Depot

SIC code (if available): _____

NPDES Status: ☐ Regulated ☒ Unregulated ☐ Unknown

Category: ☒ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related
Miscellaneous: ☐ Golf Course ☐ Marina ☐ Animal Facility

Basic Description of Operation: _____

	INDEX*
B. VEHICLE OPERATIONS ☐ **N/A** *(Skip to part C)* — **Observed Pollution Source?** N	
B1. Types of vehicles: ☒ Fleet vehicles ☐ School buses ☐ Other: _____	
B2. Approximate number of vehicles: not stored	
B3. Vehicle activities *(circle all that apply)*: Maintained Repaired Recycled Fueled Washed Stored	○
B4. Are vehicles stored and/or repaired outside? ☐ Y ☐ N ☒ Can't Tell Are these vehicles lacking runoff diversion methods? ☐ Y ☐ N ☒ Can't Tell	○
B5. Is there evidence of spills/leakage from vehicles? ☐ Y ☐ N ☒ Can't Tell	○
B6. Are uncovered outdoor fueling areas present? ☐ Y ☐ N ☒ Can't Tell Probably NOT	○
B7. Are fueling areas directly connected to storm drains? ☐ Y ☐ N ☒ Can't Tell	○
B8. Are vehicles washed outdoors? ☐ Y ☐ N ☒ Can't Tell Does the area where vehicles are washed discharge to the storm drain? ☐ Y ☐ N ☐ Can't Tell	○
OUTDOOR MATERIALS ☐ **N/A** *(Skip to part D)* — **Observed Pollution Source?** N	
C1. Are loading/unloading operations present? ☒ Y ☐ N ☐ Can't Tell If yes, are they uncovered *and* draining towards a storm drain inlet? ☐ Y ☐ N ☐ Can't Tell	○
C2. Are materials stored outside? ☒ Y ☐ N ☐ Can't Tell If yes, are they ☐ Liquid ☒ Solid Description: _____ Where are they stored? ☐ grass/dirt area ☒ concrete/asphalt ☐ bermed area	●
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? ☒ Y ☐ N ☐ Can't Tell	○
C4. Is staining or discoloration around the area visible? ☐ Y ☒ N ☐ Can't Tell	○
C5. Does outdoor storage area lack a cover? ☒ Y ☐ N ☐ Can't Tell Some	○
C6. Are liquid materials stored *without* secondary containment? ☐ Y ☒ N ☐ Can't Tell	○
C7. Are storage containers missing labels or in poor condition (rusting)? ☐ Y ☒ N ☐ Can't Tell	○
D. WASTE MANAGEMENT ☐ **N/A** *(Skip to part E)* — **Observed Pollution Source?** N	
D1. Type of waste *(check all that apply)*: ☐ Garbage ☐ Construction materials ☐ Hazardous materials	○
D2. Dumpster condition *(check all that apply)*: ☐ No cover/Lid is open ☐ Damaged/poor condition ☐ Leaking or evidence of leakage (stains on ground) ☐ Overflowing	○
D3. Is the dumpster located near a storm drain inlet? ☐ Y ☐ N ☐ Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? ☐ Y ☐ N ☐ Can't Tell	○
E. PHYSICAL PLANT ☐ **N/A** *(Skip to part F)* — **Observed Pollution Source?** N	
E1. Building: Approximate age: 10 yrs. Condition of surfaces: ☒ Clean ☐ Stained ☐ Dirty ☐ Damaged	○
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? ☐ Y ☒ N ☐ Don't know	○

*Index: ○ denotes potential pollution source; ☐ denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age 10 yrs. Condition: ☒ Clean ☐ Stained ☐ Dirty ☒ Breaking up
Surface material ☒ Paved/Concrete ☐ Gravel ☐ Permeable ☐ Don't know

E3. Do downspouts discharge to impervious surface? ☐ Y ☒ N ☐ Don't know ☐ None visible
Are downspouts directly connected to storm drains? ☒ Y ☐ N ☐ Don't know

E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? ☐ Y ☒ N ☐ Can't Tell

F. TURF/LANDSCAPING AREAS ☒ **N/A** *(skip to part G)* **Observed Pollution Source?** N

F1. % of site with: Forest canopy ____% Turf grass ____% Landscaping ____% Bare Soil ____%

F2. Rate the turf management status: ☐ High ☒ Medium ☐ Low

F3. Evidence of permanent irrigation or "non-target" irrigation ☐ Y ☒ N ☐ Can't Tell

F4. Do landscaped areas drain to the storm drain system? ☒ Y ☐ N ☐ Can't Tell

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? ☐ Y ☒ N ☐ Can't Tell

G. STORM WATER INFRASTRUCTURE ☐ **N/A** *(skip to part H)* **Observed Pollution Source?** N

G1. Are storm water treatment practices present? ☐ Y ☒ N ☐ Unknown If yes, please describe: _____

G2. Are private storm drains located at the facility? ☒ Y ☐ N ☐ Unknown
Is trash present in gutters leading to storm drains? If so, complete the index below.

Index Rating for Accumulation in Gutters

	Clean				Filthy
Sediment	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Organic material	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Litter	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5

G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: ☐ Dirty ☐ Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

☒ Not a hotspot (fewer than 5 circles and no boxes checked) ☐ Potential hotspot (5 to 10 circles but no boxes checked)
☐ Confirmed hotspot (10 to 15 circles and/or 1 box checked) ☐ Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:
- ☐ Refer for immediate enforcement
- ☐ Suggest follow-up on-site inspection
- ☐ Test for illicit discharge
- ☒ Include in future education effort
- ☐ Check to see if hotspot is an NPDES non-filer
- ☐ Onsite non-residential retrofit
- ☐ Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____
- ☐ Schedule a review of storm water pollution prevention plan

Notes:
Parking Lot oversized
no stormwater basin
steep slopes on turf areas; retrofit not possible

WATERSHED: Pequonnock	**SUBWATERSHED:** UWB		**UNIQUE SITE ID:** RRI-UWB-01
DATE: 6/20/16	**ASSESSED BY:** KMB	**CAMERA ID:**	**PICTURES:** 228-236
GPS ID:	**LMK ID:**	**LAT:** 41° 19' 6.1"	**LONG:** 73° 15' 16.6"

SITE DESCRIPTION

Name: Sleepy Elementary School
Address: Old Newtown Rd

Ownership: ☒ Public ☐ Private ☐ Unknown School
If Public, Government Jurisdiction: ☐ Local ☐ State ☐ DOT ☐ Other:

Corresponding USSR/USA Field Sheet? ☐ Yes ☒ No If yes, Unique Site ID:

Proposed Retrofit Location:

Storage
- ☐ Existing Pond
- ☐ Below Outfall
- ☐ In Road ROW
- ☐ Other:
- ☐ Above Roadway Culvert
- ☐ In Conveyance System
- ☒ Near Large Parking Lot

On-Site
- ☐ Hotspot Operation
- ☐ Small Parking Lot
- ☐ Individual Street
- ☐ Underground
- ☐ Individual Rooftop
- ☒ Small Impervious Area
- ☐ Landscape / Hardscape
- ☐ Other:

DRAINAGE AREA TO PROPOSED RETROFIT

Drainage Area ≈ _____
Imperviousness ≈ _____ %
Impervious Area ≈ _____

Notes:

Drainage Area Land Use:
- ☐ Residential
  - ☐ SFH (< 1 ac lots)
  - ☐ SFH (> 1 ac lots)
  - ☐ Townhouses
  - ☐ Multi-Family
- ☐ Commercial
- ☒ Institutional
- ☐ Industrial
- ☐ Transport-Related
- ☐ Park
- ☐ Undeveloped
- ☐ Other:

EXISTING STORMWATER MANAGEMENT

Existing Stormwater Practice: ☐ Yes ☒ No ☐ Possible
If Yes, Describe:

Describe Existing Site Conditions, Including Existing Site Drainage and Conveyance:

large underutilized lot w/ 1 CB in the SE corner, some space alongside school building. 1 CB in grass area near building could connect to rain garden

Existing Head Available and Points Where Measured:

Unique Site ID:_____

PROPOSED RETROFIT

Purpose of Retrofit:
☐ Water Quality ☒ Recharge ☐ Channel Protection ☐ Flood Control
☒ Demonstration / Education ☐ Repair ☐ Other:_____

Retrofit Volume Computations - Target Storage:

Retrofit Volume Computations - Available Storage:

Proposed Treatment Option:
☐ Extended Detention ☐ Wet Pond ☐ Created Wetland ☒ Bioretention
☐ Filtering Practice ☒ Infiltration ☐ Swale ☐ Other:_____

Describe Elements of Proposed Retrofit, Including Surface Area, Maximum Depth of Treatment, and Conveyance:

SITE CONSTRAINTS

Adjacent Land Use:
☒ Residential ☐ Commercial ☒ Institutional
☐ Industrial ☐ Transport-Related ☐ Park
☐ Undeveloped ☐ Other:_____
Possible Conflicts Due to Adjacent Land Use? ☐ Yes ☒ No
If Yes, Describe:

Access:
☐ No Constraints
Constrained due to
☒ Slope ☐ Space
☐ Utilities ☒ Tree Impacts
☐ Structures ☐ Property Ownership
☐ Other:_____

Conflicts with Existing Utilities:
☐ None
☒ Unknown

Yes	Possible	
☐	☐	Sewer
☐	☐	Water
☐	☐	Gas
☐	☐	Cable
☐	☐	Electric
☐	☐	Electric to Streetlights
☐		Overhead Wires
☐	☐	Other:_____

Potential Permitting Factors:

Dam Safety Permits Necessary	☐ Probable	☒ Not Probable
Impacts to Wetlands	☐ Probable	☒ Not Probable
Impacts to a Stream	☐ Probable	☒ Not Probable
Floodplain Fill	☐ Probable	☒ Not Probable
Impacts to Forests	☐ Probable	☒ Not Probable
Impacts to Specimen Trees	☒ Probable	☐ Not Probable

How many?_____
Approx. DBH_____

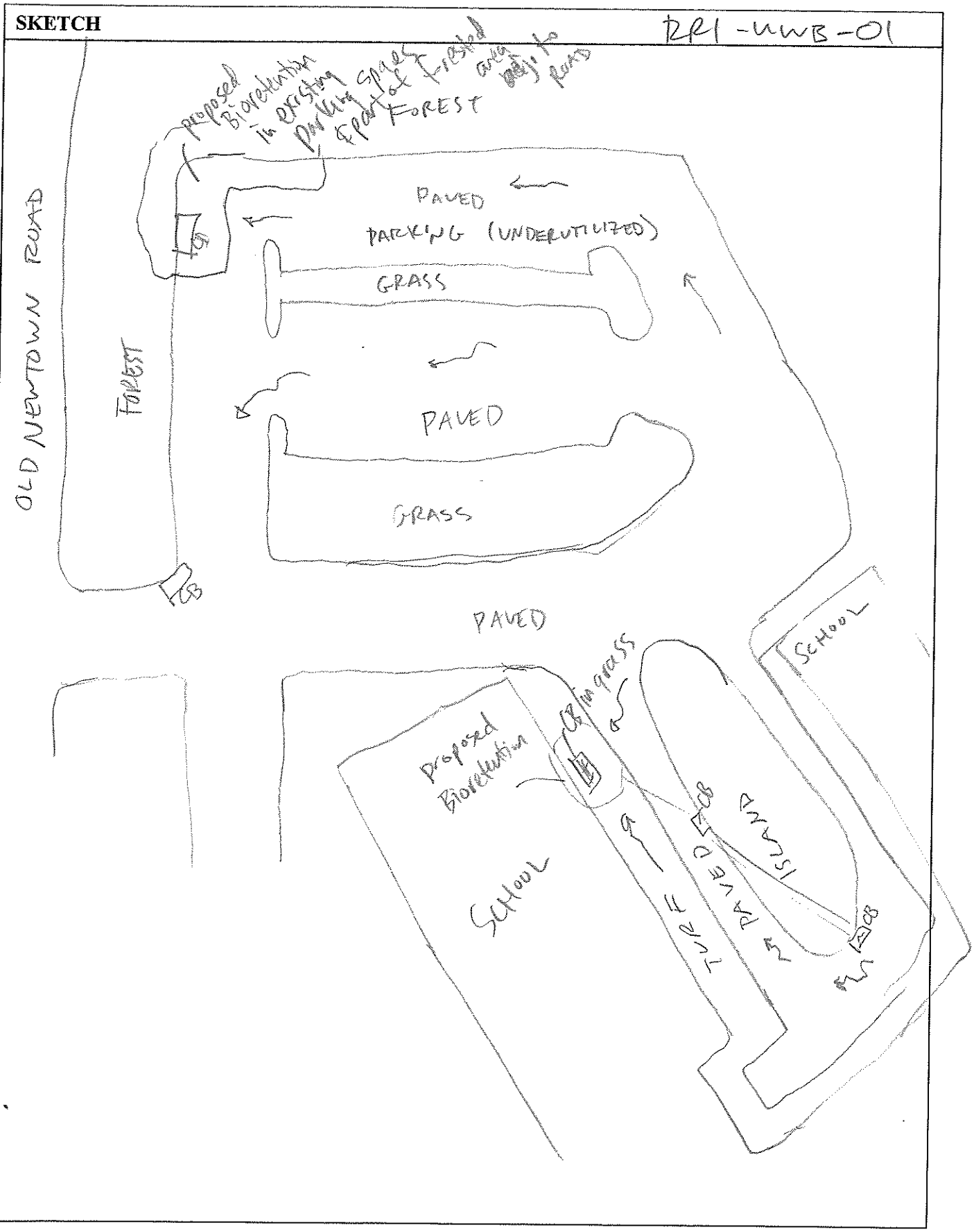
Other factors:_____

Soils:

Soil auger test holes:	☐ Yes	☐ No
Evidence of poor infiltration (clays, fines):	☐ Yes	☐ No
Evidence of shallow bedrock:	☐ Yes	☐ No
Evidence of high water table (gleying, saturation):	☐ Yes	☐ No

Unique Site ID:_____

SKETCH RRI-UWB-01



Unique Site ID:_____

DESIGN OR DELIVERY NOTES

Parking lot drains large area to 1 CB in SE corner
CB adjacent to school in grass area & well graded
recieves runoff from 2 CBs up-gradient - could
intercept

FOLLOW-UP NEEDED TO COMPLETE FIELD CONCEPT

- ☐ Confirm property ownership
- ☒ Confirm drainage area
- ☐ Confirm drainage area impervious cover
- ☒ Confirm volume computations
- ☒ Complete concept sketch
- ☐ Obtain existing stormwater practice as-builts
- ☒ Obtain site as-builts
- ☐ Obtain detailed topography
- ☐ Obtain utility mapping
- ☒ Confirm storm drain invert elevations
- ☒ Confirm soil types
- ☐ Other:_____

INITIAL FEASIBILITY AND CONSTRUCTION CONSIDERATIONS

School building close to 2nd CB
parking spaces may be utilized sometimes (930-10am weds site visit)

SITE CANDIDATE FOR FURTHER INVESTIGATION:	☐ YES	☐ NO	☐ MAYBE
IS SITE CANDIDATE FOR EARLY ACTION PROJECT(S):	☐ YES	☐ NO	☐ MAYBE
IF NO, SITE CANDIDATE FOR OTHER RESTORATION PROJECT(S):	☐ YES	☐ NO	☐ MAYBE

IF YES, TYPE(S):_____

Unique Site ID:_____

Retrofit Reconnaissance Investigation **RRI**

WATERSHED: Pequonnock	SUBWATERSHED: UPR	UNIQUE SITE ID: RRI-UPR-01	
DATE: 10/20/10	ASSESSED BY: KMB	CAMERA ID:	PICTURES: 237-253
GPS ID:	LMK ID:	LAT: 41° 18' 45.8"	LONG: 73° 14' 48.8"

SITE DESCRIPTION

Name: Wolfe Park
Address: off of Purdy Hill Rd

Ownership: ☐ Public ☐ Private ☐ Unknown
If Public, Government Jurisdiction: ☐ Local ☐ State ☐ DOT ☐ Other:

Corresponding USSR/USA Field Sheet? ☐ Yes ☐ No If yes, Unique Site ID:

Proposed Retrofit Location:

Storage
- ☒ Existing Pond
- ☐ Above Roadway Culvert
- ☐ Below Outfall
- ☐ In Conveyance System
- ☐ In Road ROW
- ☐ Near Large Parking Lot
- ☐ Other:

On-Site
- ☐ Hotspot Operation
- ☒ Individual Rooftop office
- ☒ Small Parking Lot yes
- ☒ Small Impervious Area picnic area
- ☐ Individual Street office
- ☐ Landscape / Hardscape
- ☐ Underground
- ☐ Other:

DRAINAGE AREA TO PROPOSED RETROFIT

Drainage Area ≈
Imperviousness ≈ %
Impervious Area ≈

Notes:

Drainage Area Land Use:
- ☐ Residential
  - ☐ SFH (< 1 ac lots)
  - ☐ SFH (> 1 ac lots)
  - ☐ Townhouses
  - ☐ Multi-Family
- ☐ Commercial
- ☐ Institutional
- ☐ Industrial
- ☐ Transport-Related
- ☐ Park
- ☐ Undeveloped
- ☐ Other:

EXISTING STORMWATER MANAGEMENT

Existing Stormwater Practice: ☒ Yes ☐ No ☐ Possible
If Yes, Deseribe:

Great Hollow Lake recieves runoff via a tributary, a larger reach, and surface runoff

Describe Existing Site Conditions, Including Existing Site Drainage and Conveyance:

Parking areas drain around beach and office & picnic tables drain through beach w/ some erosion evident

Existing Head Available and Points Where Measured:

decent grade

Unique Site ID:

PROPOSED RETROFIT

Purpose of Retrofit:
☒ Water Quality ☒ Recharge ☐ Channel Protection ☒ Flood Control
☒ Demonstration / Education ☒ Repair ☐ Other:_____

Retrofit Volume Computations - Target Storage:

Retrofit Volume Computations - Available Storage:

Proposed Treatment Option:
☒ Extended Detention ☐ Wet Pond ☐ Created Wetland ☒ Bioretention
☒ Filtering Practice ☒ Infiltration ☐ Swale ☐ Other:_____

Describe Elements of Proposed Retrofit, Including Surface Area, Maximum Depth of Treatment, and Conveyance:

Bioretention

SITE CONSTRAINTS

Adjacent Land Use:
☐ Residential ☐ Commercial ☒ Institutional
☐ Industrial ☐ Transport-Related ☒ Park
☐ Undeveloped ☐ Other:_____
Possible Conflicts Due to Adjacent Land Use? ☐ Yes ☒ No
If Yes, Describe:

Access:
☐ No Constraints
Constrained due to
☐ Slope ☐ Space
☐ Utilities ☒ Tree Impacts
☒ Structures ☐ Property Ownership
☐ Other:_____

Conflicts with Existing Utilities:
☒ None
☐ Unknown

Yes	Possible	
☐	☐	Sewer
☐	☐	Water
☐	☐	Gas
☐	☐	Cable
☐	☐	Electric
☐	☐	Electric to Streetlights
☐		Overhead Wires
☐	☐	Other:_____

Potential Permitting Factors:

Dam Safety Permits Necessary	☐ Probable	☐ Not Probable
Impacts to Wetlands	☐ Probable	☐ Not Probable
Impacts to a Stream	☐ Probable	☐ Not Probable
Floodplain Fill	☐ Probable	☐ Not Probable
Impacts to Forests	☐ Probable	☐ Not Probable
Impacts to Specimen Trees	☐ Probable	☐ Not Probable

How many?_____
Approx. DBH_____

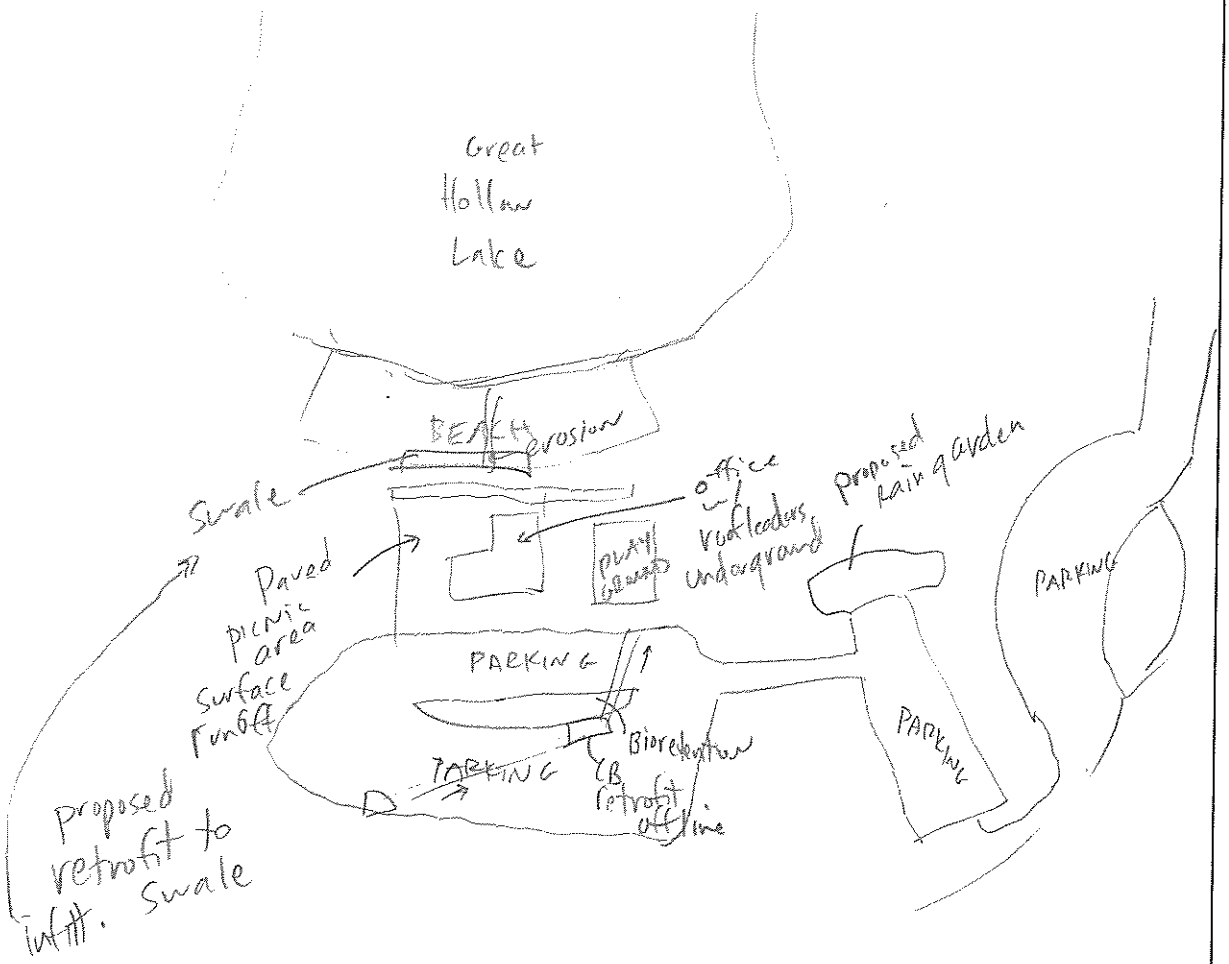
Other factors:_____

Soils:

Soil auger test holes:	☐ Yes	☐ No
Evidence of poor infiltration (clays, fines):	☐ Yes	☐ No
Evidence of shallow bedrock:	☐ Yes	☐ No
Evidence of high water table (gleying, saturation):	☐ Yes	☐ No

Unique Site ID:_____

SKETCH



Unique Site ID:_____

DESIGN OR DELIVERY NOTES

Proposed retrofits:

1. Bioretention along parking area near west entrance PICS: 237-241
2. Swale ds of picnic area where existing shrubs are located & not infiltrating. Erosion in beach due to this runoff. PICS 249-253
3. CB retrofit from eastern lots into rain garden or bioretention. plenty of space along ds side of parking lot currently turf. PICS 242-248

FOLLOW-UP NEEDED TO COMPLETE FIELD CONCEPT

- ☐ Confirm property ownership
- ☐ Confirm drainage area
- ☐ Confirm drainage area impervious cover
- ☐ Confirm volume computations
- ☐ Complete concept sketch
- ☐ Obtain existing stormwater practice as-builts
- ☐ Obtain site as-builts
- ☐ Obtain detailed topography
- ☐ Obtain utility mapping
- ☐ Confirm storm drain invert elevations
- ☐ Confirm soil types
- ☐ Other: _____

INITIAL FEASIBILITY AND CONSTRUCTION CONSIDERATIONS

public park.

SITE CANDIDATE FOR FURTHER INVESTIGATION:	☐ YES	☐ NO	☐ MAYBE
IS SITE CANDIDATE FOR EARLY ACTION PROJECT(S):	☐ YES	☐ NO	☐ MAYBE
IF NO, SITE CANDIDATE FOR OTHER RESTORATION PROJECT(S):	☐ YES	☐ NO	☐ MAYBE

IF YES, TYPE(S): _____

WATERSHED: Pequonnock	SUBWATERSHED: UBH	UNIQUE SITE ID: RRI-UBH-01	
DATE: 10/20/10	ASSESSED BY: KMB	CAMERA ID:	PICTURES: 254-266
GPS ID:	LMK ID:	LAT: 41° 16' 30.9"	LONG: 73° 09' 41.0"

SITE DESCRIPTION

Name: Capewell Park – Shelton Youth Soccer Fields
Address: Nichols Ave, Shelton

Ownership: ☒ Public ☐ Private ☐ Unknown
If Public, Government Jurisdiction: ☐ Local ☐ State ☐ DOT ☐ Other:

Corresponding USSR/USA Field Sheet? ☐ Yes ☒ No If yes, Unique Site ID:

Proposed Retrofit Location:

Storage
- ☐ Existing Pond
- ☐ Below Outfall
- ☐ In Road ROW
- ☐ Other:
- ☐ Above Roadway Culvert
- ☐ In Conveyance System
- ☐ Near Large Parking Lot

On-Site
- ☐ Hotspot Operation
- ☒ Small Parking Lot
- ☐ Individual Street
- ☐ Underground
- ☐ Individual Rooftop
- ☐ Small Impervious Area
- ☐ Landscape / Hardscape
- ☐ Other:

DRAINAGE AREA TO PROPOSED RETROFIT

Drainage Area ≈ _____
Imperviousness ≈ _____ %
Impervious Area ≈ _____

Notes:

Drainage Area Land Use:
- ☐ Residential
  - ☐ SFH (< 1 ac lots)
  - ☐ SFH (> 1 ac lots)
  - ☐ Townhouses
  - ☐ Multi-Family
- ☐ Commercial
- ☐ Institutional
- ☐ Industrial
- ☐ Transport-Related
- ☐ Park
- ☐ Undeveloped
- ☐ Other:

EXISTING STORMWATER MANAGEMENT

Existing Stormwater Practice: ☐ Yes ☒ No ☐ Possible
If Yes, Describe:

Describe Existing Site Conditions, Including Existing Site Drainage and Conveyance:

Stone/gravel parking lot that drains via overland flow offsite, likely to street system. No catch basins

Existing Head Available and Points Where Measured:

Unique Site ID:_____

PROPOSED RETROFIT

Purpose of Retrofit:
☒ Water Quality ☒ Recharge ☐ Channel Protection ☐ Flood Control
☐ Demonstration / Education ☐ Repair ☐ Other:_____

Retrofit Volume Computations - Target Storage:

Retrofit Volume Computations - Available Storage:

Proposed Treatment Option:
☒ Extended Detention ☐ Wet Pond ☐ Created Wetland ☐ Bioretention
☐ Filtering Practice ☐ Infiltration ☐ Swale ☐ Other:_____

Describe Elements of Proposed Retrofit, Including Surface Area, Maximum Depth of Treatment, and Conveyance:

SITE CONSTRAINTS

Adjacent Land Use:
☐ Residential ☐ Commercial ☐ Institutional
☐ Industrial ☐ Transport-Related ☐ Park
☐ Undeveloped ☐ Other:_____
Possible Conflicts Due to Adjacent Land Use? ☐ Yes ☐ No
If Yes, Describe:

Access:
☐ No Constraints
Constrained due to
☐ Slope ☐ Space
☐ Utilities ☐ Tree Impacts
☐ Structures ☐ Property Ownership
☐ Other:_____

Conflicts with Existing Utilities:
☐ None
☐ Unknown

Yes	Possible	
☐	☐	Sewer
☐	☐	Water
☐	☐	Gas
☐	☐	Cable
☐	☐	Electric
☐	☐	Electric to Streetlights
☐		Overhead Wires
☐	☐	Other:_____

Potential Permitting Factors:

Dam Safety Permits Necessary	☐ Probable	☐ Not Probable
Impacts to Wetlands	☐ Probable	☐ Not Probable
Impacts to a Stream	☐ Probable	☐ Not Probable
Floodplain Fill	☐ Probable	☐ Not Probable
Impacts to Forests	☐ Probable	☐ Not Probable
Impacts to Specimen Trees	☐ Probable	☐ Not Probable

How many?_____
Approx. DBH_____

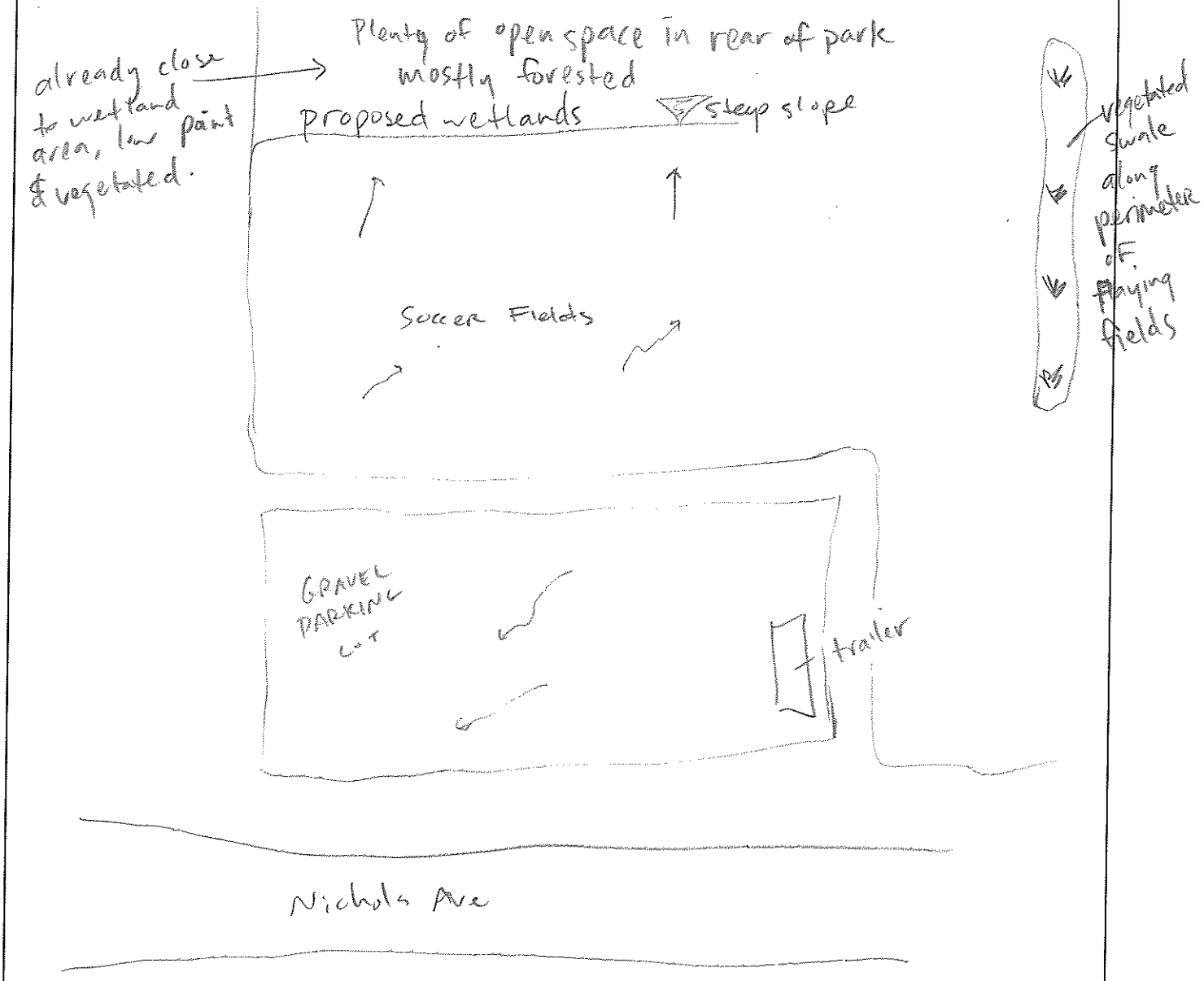
Other factors:_____

Soils:

Soil auger test holes:	☐ Yes	☐ No
Evidence of poor infiltration (clays, fines):	☐ Yes	☐ No
Evidence of shallow bedrock:	☐ Yes	☐ No
Evidence of high water table (gleying, saturation):	☐ Yes	☐ No

Unique Site ID:_____

SKETCH



Unique Site ID:_____

DESIGN OR DELIVERY NOTES

Site likely has significant fertilizer inputs to runoff which would benefit of grass swale for infiltration. wetland creation along far edge would be easy since site graded for fields & steep slope on that edge w/ swale-like impression at bottom.

FOLLOW-UP NEEDED TO COMPLETE FIELD CONCEPT

- ☐ Confirm property ownership
- ☐ Confirm drainage area
- ☐ Confirm drainage area impervious cover
- ☐ Confirm volume computations
- ☐ Complete concept sketch
- ☐ Obtain existing stormwater practice as-builts
- ☐ Obtain site as-builts
- ☐ Obtain detailed topography
- ☐ Obtain utility mapping
- ☐ Confirm storm drain invert elevations
- ☐ Confirm soil types
- ☐ Other:_____

INITIAL FEASIBILITY AND CONSTRUCTION CONSIDERATIONS

SITE CANDIDATE FOR FURTHER INVESTIGATION:	☐ YES	☐ NO	☐ MAYBE
IS SITE CANDIDATE FOR EARLY ACTION PROJECT(S):	☐ YES	☐ NO	☐ MAYBE
IF NO, SITE CANDIDATE FOR OTHER RESTORATION PROJECT(S):	☐ YES	☐ NO	☐ MAYBE

IF YES, TYPE(S):_____

Unique Site ID:_____

WATERSHED: Pequonnock	SUBWATERSHED: MPR		UNIQUE SITE ID: HSI-MPR-14
DATE: 10/20/10	ASSESSED BY: CMB	CAMERA ID:	PIC#: 272-287
MAP GRID:	LAT 41° 15' 48" LONG 73° 11' 34"		LMK #

A. SITE DATA AND BASIC CLASSIFICATION

Name and Address: Trumbull High School & Ag. School, Strobel Rd

Category: ☐ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related
Miscellaneous: ☐ Golf Course ☐ Marina ☐ Animal Facility

SIC code (if available): _____

NPDES Status: ☐ Regulated ☐ Unregulated ☒ Unknown

Basic Description of Operation: School & Ag grounds

	INDEX*
B. VEHICLE OPERATIONS ☐ **N/A** *(Skip to part C)*	**Observed Pollution Source?** ☐
B1. Types of vehicles: ☐ Fleet vehicles ☒ School buses ☐ Other: _____	
B2. Approximate number of vehicles: 15	
B3. Vehicle activities *(circle all that apply)*: Maintained Repaired Recycled Fueled Washed Stored	○
B4. Are vehicles stored and/or repaired outside? ☐ Y ☒ N ☐ Can't Tell Are these vehicles lacking runoff diversion methods? ☐ Y ☐ N ☐ Can't Tell	○
B5. Is there evidence of spills/leakage from vehicles? ☐ Y ☒ N ☐ Can't Tell	○
B6. Are uncovered outdoor fueling areas present? ☐ Y ☒ N ☐ Can't Tell	○
B7. Are fueling areas directly connected to storm drains? ☐ Y ☒ N ☐ Can't Tell	○
B8. Are vehicles washed outdoors? ☐ Y ☒ N ☐ Can't Tell Does the area where vehicles are washed discharge to the storm drain? ☐ Y ☐ N ☐ Can't Tell	○
OUTDOOR MATERIALS ☐ **N/A** *(Skip to part D)*	**Observed Pollution Source?** ☐
C1. Are loading/unloading operations present? ☒ Y ☐ N ☐ Can't Tell If yes, are they uncovered *and* draining towards a storm drain inlet? ☒ Y ☐ N ☐ Can't Tell	●
C2. Are materials stored outside? ☒ Y ☐ N ☐ Can't Tell If yes, are they ☐ Liquid ☐ Solid Description: _____ Where are they stored? ☐ grass/dirt area ☒ concrete/asphalt ☐ bermed area	●
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? ☒ Y ☐ N ☐ Can't Tell	●
C4. Is staining or discoloration around the area visible? ☐ Y ☒ N ☐ Can't Tell	○
C5. Does outdoor storage area lack a cover? ☒ Y ☐ N ☐ Can't Tell	○
C6. Are liquid materials stored *without* secondary containment? ☐ Y ☒ N ☐ Can't Tell	○
C7. Are storage containers missing labels or in poor condition (rusting)? ☐ Y ☒ N ☐ Can't Tell	○
D. WASTE MANAGEMENT ☐ **N/A** *(Skip to part E)*	**Observed Pollution Source?** ☐
D1. Type of waste *(check all that apply)*: ☒ Garbage ☐ Construction materials ☐ Hazardous materials	○
D2. Dumpster condition *(check all that apply)*: ☐ No cover/Lid is open ☐ Damaged/poor condition ☐ Leaking or evidence of leakage (stains on ground) ☐ Overflowing	○
D3. Is the dumpster located near a storm drain inlet? ☐ Y ☒ N ☐ Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? ☐ Y ☐ N ☐ Can't Tell	○
E. PHYSICAL PLANT ☐ **N/A** *(Skip to part F)*	**Observed Pollution Source?** ☐
E1. Building: Approximate age: 40 yrs. Condition of surfaces: ☒ Clean ☐ Stained ☐ Dirty ☐ Damaged	○
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? ☐ Y ☒ N ☐ Don't know	○

*Index: ○ denotes potential pollution source; ☐ denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age 30 yrs. Condition: ☒ Clean ☐ Stained ☐ Dirty ☐ Breaking up
Surface material ☒ Paved/Concrete ☐ Gravel ☐ Permeable ☐ Don't know

E3. Do downspouts discharge to impervious surface? ☐ Y ☐ N ☐ Don't know ☒ None visible
Are downspouts directly connected to storm drains? ☐ Y ☐ N ☒ Don't know

E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? ☐ Y ☒ N ☐ Can't Tell

F. TURF/LANDSCAPING AREAS ☐ **N/A** *(skip to part G)* — **Observed Pollution Source?**

F1. % of site with: Forest canopy 0 % Turf grass 75 % Landscaping 10 % Bare Soil 15 % Ongoing Construction

F2. Rate the turf management status: ☒ High ☐ Medium ☐ Low

F3. Evidence of permanent irrigation or "non-target" irrigation ☒ Y ☐ N ☐ Can't Tell

F4. Do landscaped areas drain to the storm drain system? ☒ Y ☐ N ☐ Can't Tell

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? ☐ Y ☒ N ☐ Can't Tell

G. STORM WATER INFRASTRUCTURE ☐ **N/A** *(skip to part H)* — **Observed Pollution Source?**

G1. Are storm water treatment practices present? ☐ Y ☒ N ☐ Unknown If yes, please describe: _____

G2. Are private storm drains located at the facility? ☒ Y ☐ N ☐ Unknown
Is trash present in gutters leading to storm drains? If so, complete the index below.

Index Rating for Accumulation in Gutters

	Clean				Filthy
Sediment	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Organic material	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Litter	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5

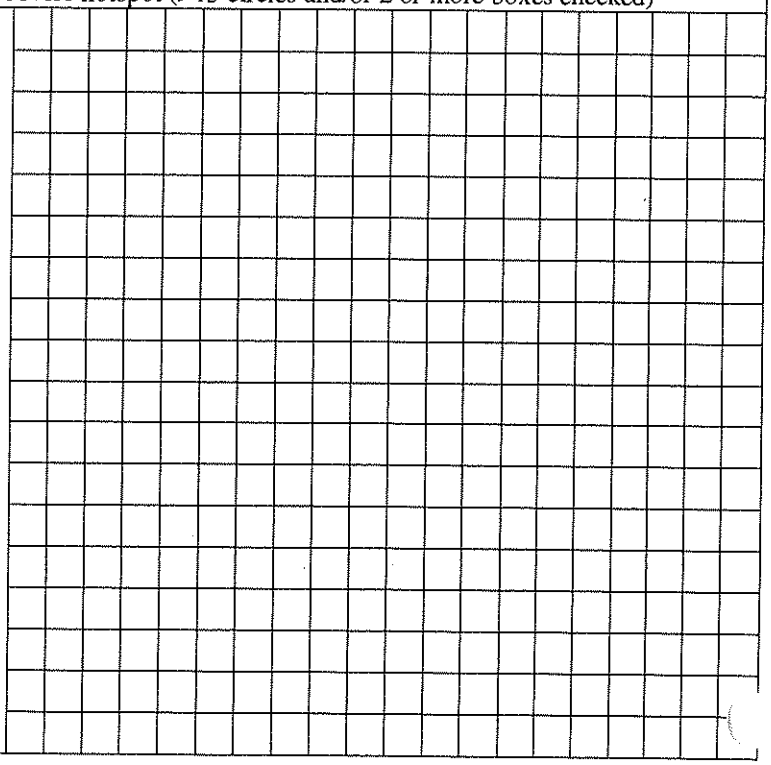
G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: ☐ Dirty ☐ Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

☐ Not a hotspot (fewer than 5 circles and no boxes checked) ☒ Potential hotspot (5 to 10 circles but no boxes checked)
☐ Confirmed hotspot (10 to 15 circles and/or 1 box checked) ☐ Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:
- ☐ Refer for immediate enforcement
- ☐ Suggest follow-up on-site inspection
- ☐ Test for illicit discharge
- ☒ Include in future education effort
- ☐ Check to see if hotspot is an NPDES non-filer
- ☒ Onsite non-residential retrofit
- ☐ Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____
- ☐ Schedule a review of storm water pollution prevention plan

Notes:
Agricultural school has lots of outdoor storage
Large playing field areas



Hotspot Site Investigation **HSI**

WATERSHED:	SUBWATERSHED: MPR	UNIQUE SITE ID: HSI-MPR-03
DATE: 10/20/10	ASSESSED BY: EMB / CAMERA ID:	PIC#: 288-297
MAP GRID:	LAT 41° 13' 48.1" LONG 73° 11' 26"	LMK #

A. SITE DATA AND BASIC CLASSIFICATION

Name and Address: Bow Tie Cinema, Quarry Rd Trumbull

Category: ☒ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related
Miscellaneous: ☐ Golf Course ☐ Marina ☐ Animal Facility

SIC code (if available): _____

NPDES Status: ☐ Regulated ☒ Unregulated ☐ Unknown

Basic Description of Operation: Movie Theater, mostly parking lot

	INDEX*
B. VEHICLE OPERATIONS ☒ **N/A** *(Skip to part C)*	**Observed Pollution Source?** ☐
B1. Types of vehicles: ☐ Fleet vehicles ☐ School buses ☐ Other: _____	
B2. Approximate number of vehicles: _____	
B3. Vehicle activities *(circle all that apply)*: Maintained Repaired Recycled Fueled Washed Stored	○
B4. Are vehicles stored and/or repaired outside? ☐ Y ☐ N ☐ Can't Tell Are these vehicles lacking runoff diversion methods? ☐ Y ☐ N ☐ Can't Tell	○
B5. Is there evidence of spills/leakage from vehicles? ☐ Y ☐ N ☐ Can't Tell	○
B6. Are uncovered outdoor fueling areas present? ☐ Y ☐ N ☐ Can't Tell	○
B7. Are fueling areas directly connected to storm drains? ☐ Y ☐ N ☐ Can't Tell	○
B8. Are vehicles washed outdoors? ☐ Y ☐ N ☐ Can't Tell Does the area where vehicles are washed discharge to the storm drain? ☐ Y ☐ N ☐ Can't Tell	○
OUTDOOR MATERIALS ☒ **N/A** *(Skip to part D)*	**Observed Pollution Source?** ☐
C1. Are loading/unloading operations present? ☐ Y ☐ N ☐ Can't Tell If yes, are they uncovered *and* draining towards a storm drain inlet? ☐ Y ☐ N ☐ Can't Tell	○
C2. Are materials stored outside? ☐ Y ☐ N ☐ Can't Tell If yes, are they ☐ Liquid ☐ Solid Description: _____ Where are they stored? ☐ grass/dirt area ☐ concrete/asphalt ☐ bermed area	○
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? ☐ Y ☐ N ☐ Can't Tell	○
C4. Is staining or discoloration around the area visible? ☐ Y ☐ N ☐ Can't Tell	○
C5. Does outdoor storage area lack a cover? ☐ Y ☐ N ☐ Can't Tell	○
C6. Are liquid materials stored *without* secondary containment? ☐ Y ☐ N ☐ Can't Tell	○
C7. Are storage containers missing labels or in poor condition (rusting)? ☐ Y ☐ N ☐ Can't Tell	○
D. WASTE MANAGEMENT ☐ **N/A** *(Skip to part E)*	**Observed Pollution Source?** ☐
D1. Type of waste *(check all that apply)*: ☒ Garbage ☐ Construction materials ☐ Hazardous materials	○
D2. Dumpster condition *(check all that apply)*: ☐ No cover/Lid is open ☐ Damaged/poor condition ☐ Leaking or evidence of leakage (stains on ground) ☐ Overflowing Good	○
D3. Is the dumpster located near a storm drain inlet? ☐ Y ☐ N ☐ Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? ☐ Y ☐ N ☐ Can't Tell	○
E. PHYSICAL PLANT ☐ **N/A** *(Skip to part F)*	**Observed Pollution Source?** ☐
E1. Building: Approximate age: 10 yrs. Condition of surfaces: ☒ Clean ☐ Stained ☐ Dirty ☒ Damaged Evidence that maintenance results in discharge to storm drains (staining/discoloration)? ☐ Y ☐ N ☐ Don't know	● ○

*Index: ○ denotes potential pollution source; ☐ denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age 10 yrs. Condition: ☐ Clean ☐ Stained ☐ Dirty ☒ Breaking up
Surface material ☒ Paved/Concrete ☐ Gravel ☐ Permeable ☐ Don't know ○

E3. Do downspouts discharge to impervious surface? ☐ Y ☐ N ☐ Don't know ☐ None visible
Are downspouts directly connected to storm drains? ☒ Y ☐ N ☐ Don't know ●

E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? ☐ Y ☒ N ☐ Can't Tell ○

F. TURF/LANDSCAPING AREAS ☐ **N/A** *(skip to part G)* **Observed Pollution Source?** ☐

F1. % of site with: Forest canopy 5 % Turf grass 40 % Landscaping 60 % Bare Soil 0 % ○

F2. Rate the turf management status: ☒ High ☐ Medium ☐ Low ●

F3. Evidence of permanent irrigation or "non-target" irrigation ☐ Y ☐ N ☒ Can't Tell ○

F4. Do landscaped areas drain to the storm drain system? ☒ Y ☐ N ☐ Can't Tell ●

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? ☐ Y ☒ N ☐ Can't Tell ○

G. STORM WATER INFRASTRUCTURE ☐ **N/A** *(skip to part H)* **Observed Pollution Source?** ☐

G1. Are storm water treatment practices present? ☒ Y ☐ N ☐ Unknown If yes, please describe: dry detention basin ○

G2. Are private storm drains located at the facility? ☐ Y ☐ N ☐ Unknown
Is trash present in gutters leading to storm drains? If so, complete the index below. ○

Index Rating for Accumulation in Gutters

	Clean				Filthy
Sediment	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Organic material	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Litter	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5

G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: ☐ Dirty ☐ Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

☐ Not a hotspot (fewer than 5 circles and no boxes checked) ☒ Potential hotspot (5 to 10 circles but no boxes checked)
☐ Confirmed hotspot (10 to 15 circles and/or 1 box checked) ☐ Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:
- ☐ Refer for immediate enforcement
- ☐ Suggest follow-up on-site inspection
- ☐ Test for illicit discharge
- ☐ Include in future education effort
- ☐ Check to see if hotspot is an NPDES non-filer
- ☐ Onsite non-residential retrofit
- ☐ Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____
- ☐ Schedule a review of storm water pollution prevention plan

Notes:
Dry detention Basin w/ possible hydrodynamic separator

Hotspot Site Investigation **HSI**

ATERSHED:	SUBWATERSHED: MPR		UNIQUE SITE ID: HSI-MPR-02
TE: 10/20/10	ASSESSED BY: KMB	CAMERA ID:	PIC#: 298-304
MAP GRID:	LAT 41° 13' 52.8" LONG 73° 11' 6.5"		LMK #

A. SITE DATA AND BASIC CLASSIFICATION

Name and Address: HSI Helicopter Service Inc Quarry Rd

SIC code (if available): _____

NPDES Status: ☐ Regulated ☐ Unregulated ☒ Unknown

Category: ☐ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related

Miscellaneous: ☐ Golf Course ☐ Marina ☐ Animal Facility

Basic Description of Operation: _____

	INDEX*
B. VEHICLE OPERATIONS ☐ **N/A** *(Skip to part C)*	**Observed Pollution Source?** ☐
B1. Types of vehicles: ☐ Fleet vehicles ☐ School buses ☐ Other: _____	
B2. Approximate number of vehicles: _____	
B3. Vehicle activities *(circle all that apply)*: Maintained Repaired Recycled Fueled Washed (Stored)	○
B4. Are vehicles stored and/or repaired outside? ☐ Y ☐ N ☒ Can't Tell Are these vehicles lacking runoff diversion methods? ☐ Y ☐ N ☒ Can't Tell	○
B5. Is there evidence of spills/leakage from vehicles? ☐ Y ☐ N ☒ Can't Tell	○
B6. Are uncovered outdoor fueling areas present? ☐ Y ☒ N ☐ Can't Tell	○
B7. Are fueling areas directly connected to storm drains? ☐ Y ☒ N ☐ Can't Tell	○
B8. Are vehicles washed outdoors? ☐ Y ☐ N ☒ Can't Tell Does the area where vehicles are washed discharge to the storm drain? ☐ Y ☐ N ☐ Can't Tell	○
OUTDOOR MATERIALS ☐ **N/A** *(Skip to part D)*	**Observed Pollution Source?** ☐
C1. Are loading/unloading operations present? ☒ Y ☐ N ☐ Can't Tell If yes, are they uncovered *and* draining towards a storm drain inlet? ☒ Y ☐ N ☐ Can't Tell	●
C2. Are materials stored outside? ☒ Y ☐ N ☐ Can't Tell If yes, are they ☐ Liquid ☒ Solid Description: Construction Materials Where are they stored? ☐ grass/dirt area ☒ concrete/asphalt ☐ bermed area	○
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? ☒ Y ☐ N ☐ Can't Tell	●
C4. Is staining or discoloration around the area visible? ☐ Y ☒ N ☐ Can't Tell	○
C5. Does outdoor storage area lack a cover? ☒ Y ☐ N ☐ Can't Tell	●
C6. Are liquid materials stored *without* secondary containment? ☐ Y ☐ N ☐ Can't Tell	○
C7. Are storage containers missing labels or in poor condition (rusting)? ☐ Y ☒ N ☐ Can't Tell	○
D. WASTE MANAGEMENT ☐ **N/A** *(Skip to part E)*	**Observed Pollution Source?** ☐
D1. Type of waste *(check all that apply)*: ☒ Garbage ☒ Construction materials ☐ Hazardous materials	○
D2. Dumpster condition *(check all that apply)*: ☐ No cover/Lid is open ☐ Damaged/poor condition ☐ Leaking or evidence of leakage (stains on ground) ☐ Overflowing GOOD	○
D3. Is the dumpster located near a storm drain inlet? ☐ Y ☐ N ☒ Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? ☐ Y ☐ N ☒ Can't Tell	○
E. PHYSICAL PLANT ☐ **N/A** *(Skip to part F)*	**Observed Pollution Source?** ☐
E1. Building: Approximate age: 10 yrs. Condition of surfaces: ☒ Clean ☐ Stained ☐ Dirty ☐ Damaged	○
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? ☐ Y ☒ N ☐ Don't know	○

*Index: ○ denotes potential pollution source; ☐ denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age 10 yrs. Condition: ☒ Clean ☐ Stained ☐ Dirty ☐ Breaking up
Surface material ☒ Paved/Concrete ☐ Gravel ☐ Permeable ☐ Don't know

E3. Do downspouts discharge to impervious surface? ☒ Y ☐ N ☐ Don't know ☐ None visible
Are downspouts directly connected to storm drains? ☒ Y ☐ N ☐ Don't know

E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? ☐ Y ☒ N ☐ Can't Tell

F. TURF/LANDSCAPING AREAS ☐ N/A *(skip to part G)*

Observed Pollution Source?

F1. % of site with: Forest canopy 0 % Turf grass 70 % Landscaping 30 % Bare Soil 0 %

F2. Rate the turf management status: ☒ High ☐ Medium ☐ Low

F3. Evidence of permanent irrigation or "non-target" irrigation ☒ Y ☐ N ☐ Can't Tell

F4. Do landscaped areas drain to the storm drain system? ☒ Y ☐ N ☐ Can't Tell

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? ☐ Y ☒ N ☐ Can't Tell

G. STORM WATER INFRASTRUCTURE ☐ N/A *(skip to part H)*

Observed Pollution Source?

G1. Are storm water treatment practices present? ☒ Y ☐ N ☐ Unknown If yes, please describe: detention pond (dry)

G2. Are private storm drains located at the facility? ☒ Y ☐ N ☐ Unknown
Is trash present in gutters leading to storm drains? If so, complete the index below.

Index Rating for Accumulation in Gutters

	Clean				Filthy
Sediment	☒ 1	☐ 2	☐ 3	☐ 4	☐ 5
Organic material	☒ 1	☐ 2	☐ 3	☐ 4	☐ 5
Litter	☒ 1	☐ 2	☐ 3	☐ 4	☐ 5

G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: ☐ Dirty ☐ Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

☐ Not a hotspot (fewer than 5 circles and no boxes checked) ☒ Potential hotspot (5 to 10 circles but no boxes checked)
☐ Confirmed hotspot (10 to 15 circles and/or 1 box checked) ☐ Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:

- ☐ Refer for immediate enforcement
- ☐ Suggest follow-up on-site inspection
- ☐ Test for illicit discharge
- ☒ Include in future education effort
- ☐ Check to see if hotspot is an NPDES non-filer
- ☐ Onsite non-residential retrofit
- ☐ Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____
- ☐ Schedule a review of storm water pollution prevention plan

Notes:

Cover outdoor storage materials and equipment
Stormwater dry detention basin present

Hotspot Site Investigation **HSI**

WATERSHED: Pequonnock	SUBWATERSHED: LWB	UNIQUE SITE ID: HSI-LWB-02
DATE: 10/20/10	ASSESSED BY: KMB / CAMERA ID:	PIC#: 305-315
MAP GRID:	LAT 41° 18 ' 17.9" LONG 73° 15 ' 16.6"	LMK #

A. SITE DATA AND BASIC CLASSIFICATION

Name and Address: Chucks Corner Shopping Center, Rt 25 @ Judd Rd

Category: ☒ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related
Miscellaneous: ☐ Golf Course ☐ Marina ☐ Animal Facility

SIC code (if available): _____

NPDES Status: ☐ Regulated ☒ Unregulated ☐ Unknown

Basic Description of Operation: Outdoor commercial strip mall

INDEX*

B. VEHICLE OPERATIONS ☒ **N/A** *(Skip to part C)* — **Observed Pollution Source?** ☐

	INDEX*
B1. Types of vehicles: ☐ Fleet vehicles ☐ School buses ☐ Other: _____	
B2. Approximate number of vehicles: _____	
B3. Vehicle activities *(circle all that apply)*: Maintained Repaired Recycled Fueled Washed Stored	○
B4. Are vehicles stored and/or repaired outside? ☐ Y ☐ N ☐ Can't Tell Are these vehicles lacking runoff diversion methods? ☐ Y ☐ N ☐ Can't Tell	○
B5. Is there evidence of spills/leakage from vehicles? ☐ Y ☐ N ☐ Can't Tell	○
B6. Are uncovered outdoor fueling areas present? ☐ Y ☐ N ☐ Can't Tell	○
B7. Are fueling areas directly connected to storm drains? ☐ Y ☐ N ☐ Can't Tell	○
B8. Are vehicles washed outdoors? ☐ Y ☐ N ☐ Can't Tell Does the area where vehicles are washed discharge to the storm drain? ☐ Y ☐ N ☐ Can't Tell	○

C. OUTDOOR MATERIALS ☐ **N/A** *(Skip to part D)* — **Observed Pollution Source?** ☐

C1. Are loading/unloading operations present? ☐ Y ☒ N ☐ Can't Tell If yes, are they uncovered *and* draining towards a storm drain inlet? ☐ Y ☐ N ☐ Can't Tell	○
C2. Are materials stored outside? ☒ Y ☐ N ☐ Can't Tell If yes, are they ☐ Liquid ☒ Solid Description: Small amount of buckets etc Where are they stored? ☐ grass/dirt area ☐ concrete/asphalt ☐ bermed area	●
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? ☒ Y ☐ N ☐ Can't Tell	○
C4. Is staining or discoloration around the area visible? ☐ Y ☒ N ☐ Can't Tell	○
C5. Does outdoor storage area lack a cover? ☒ Y ☐ N ☐ Can't Tell	○
C6. Are liquid materials stored *without* secondary containment? ☐ Y ☐ N ☐ Can't Tell	○
C7. Are storage containers missing labels or in poor condition (rusting)? ☐ Y ☐ N ☐ Can't Tell	○

D. WASTE MANAGEMENT ☐ **N/A** *(Skip to part E)* — **Observed Pollution Source?** ☐

D1. Type of waste *(check all that apply)*: ☒ Garbage ☐ Construction materials ☐ Hazardous materials	○
D2. Dumpster condition *(check all that apply)*: ☐ No cover/Lid is open ☐ Damaged/poor condition ☐ Leaking or evidence of leakage (stains on ground) ☐ Overflowing Good	○
D3. Is the dumpster located near a storm drain inlet? ☒ Y ☐ N ☐ Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? ☐ Y ☒ N ☐ Can't Tell	●

E. PHYSICAL PLANT ☐ **N/A** *(Skip to part F)* — **Observed Pollution Source?** ☐

E1. Building: Approximate age: 50 yrs. Condition of surfaces: ☒ Clean ☐ Stained ☐ Dirty ☐ Damaged	○
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? ☐ Y ☒ N ☐ Don't know	○

*Index: ○ denotes potential pollution source; ☐ denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age 15 yrs. Condition: ☒ Clean ☐ Stained ☐ Dirty ☐ Breaking up
Surface material ☒ Paved/Concrete ☐ Gravel ☐ Permeable ☐ Don't know ○

E3. Do downspouts discharge to impervious surface? ☒ Y ☐ N ☐ Don't know ☐ None visible
Are downspouts directly connected to storm drains? ☒ Y ☐ N ☐ Don't know Some ●

E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? ☐ Y ☒ N ☐ Can't Tell ○

F. TURF/LANDSCAPING AREAS ☒ **N/A** *(skip to part G)* **Observed Pollution Source?**

F1. % of site with: Forest canopy ____% Turf grass ____ % Landscaping ____% Bare Soil ____% ○

F2. Rate the turf management status: ☐ High ☐ Medium ☐ Low ○

F3. Evidence of permanent irrigation or "non-target" irrigation ☐ Y ☐ N ☐ Can't Tell ○

F4. Do landscaped areas drain to the storm drain system? ☐ Y ☐ N ☐ Can't Tell ○

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? ☐ Y ☐ N ☐ Can't Tell ○

G. STORM WATER INFRASTRUCTURE ☐ **N/A** *(skip to part H)* **Observed Pollution Source?**

G1. Are storm water treatment practices present? ☐ Y ☒ N ☐ Unknown If yes, please describe: _____ ○

G2. Are private storm drains located at the facility? ☐ Y ☒ N ☐ Unknown
Is trash present in gutters leading to storm drains? If so, complete the index below. ○

Index Rating for Accumulation in Gutters

	Clean				Filthy
Sediment	☐ 1	☐ 2	☐ 3	☒ 4	☐ 5
Organic material	☐ 1	☐ 2	☐ 3	☒ 4	☐ 5
Litter	☐ 1	☒ 2	☐ 3	☐ 4	☐ 5

G3. Catch basin inspection – Record SSD Unique Site ID here: N/A Condition: ☐ Dirty ☐ Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

☒ Not a hotspot (fewer than 5 circles and no boxes checked) ☐ Potential hotspot (5 to 10 circles but no boxes checked)
☐ Confirmed hotspot (10 to 15 circles and/or 1 box checked) ☐ Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:
- ☐ Refer for immediate enforcement
- ☐ Suggest follow-up on-site inspection
- ☐ Test for illicit discharge
- ☒ Include in future education effort
- ☐ Check to see if hotspot is an NPDES non-filer
- ☐ Onsite non-residential retrofit
- ☐ Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____
- ☐ Schedule a review of storm water pollution prevention plan

Notes:

Site abuts the UWB downstream of the Aquarium intake so not regulated.

Roof drains directly connected to outlets along stream.

No treatment on-site although little space for retrofit.

Hotspot Site Investigation **HSI**

WATERSHED: Pequonnock	SUBWATERSHED: LWB		UNIQUE SITE ID: HSI-LWB-01
DATE: 10/20/10	ASSESSED BY: KMB	CAMERA ID:	PIC#: 317-323
MAP GRID:	LAT 41° 18' 34.3" LONG 73° 15' 25.9		LMK #

A. SITE DATA AND BASIC CLASSIFICATION

Name and Address: Sippin Energy

Category: ☒ Commercial ☐ Industrial ☐ Institutional ☐ Municipal ☐ Transport-Related
Miscellaneous: ☐ Golf Course ☐ Marina ☐ Animal Facility

SIC code (if available): _____

NPDES Status: ☒ Regulated ☐ Unregulated ☐ Unknown

Basic Description of Operation: Oil & Energy products

	INDEX*
B. VEHICLE OPERATIONS ☐ **N/A** *(Skip to part C)*	**Observed Pollution Source?** ☐
B1. Types of vehicles: ☒ Fleet vehicles ☐ School buses ☐ Other: _____	
B2. Approximate number of vehicles: 20	
B3. Vehicle activities *(circle all that apply)*: Maintained Repaired Recycled Fueled Washed Stored	○
B4. Are vehicles stored and/or repaired outside? ☒ Y ☐ N ☐ Can't Tell Are these vehicles lacking runoff diversion methods? ☒ Y ☐ N ☐ Can't Tell	●
B5. Is there evidence of spills/leakage from vehicles? ☐ Y ☒ N ☐ Can't Tell	○
B6. Are uncovered outdoor fueling areas present? ☐ Y ☒ N ☐ Can't Tell Covered	○
B7. Are fueling areas directly connected to storm drains? ☒ Y ☐ N ☐ Can't Tell treatment/pkg Picture 320-323	○
B8. Are vehicles washed outdoors? ☐ Y ☐ N ☒ Can't Tell Does the area where vehicles are washed discharge to the storm drain? ☐ Y ☐ N ☐ Can't Tell	●
OUTDOOR MATERIALS ☐ **N/A** *(Skip to part D)*	**Observed Pollution Source?** ☐
C1. Are loading/unloading operations present? ☐ Y ☐ N ☒ Can't Tell If yes, are they uncovered *and* draining towards a storm drain inlet? ☐ Y ☐ N ☒ Can't Tell	○
C2. Are materials stored outside? ☒ Y ☐ N ☐ Can't Tell If yes, are they ☒ Liquid ☐ Solid Description: oil Where are they stored? ☐ grass/dirt area ☐ concrete/asphalt ☒ bermed area → 2nd containment	●
C3. Is the storage area directly or indirectly connected to storm drain (circle one)? ☐ Y ☒ N ☐ Can't Tell	○
C4. Is staining or discoloration around the area visible? ☐ Y ☐ N ☒ Can't Tell	○
C5. Does outdoor storage area lack a cover? ☒ Y ☐ N ☐ Can't Tell	○
C6. Are liquid materials stored *without* secondary containment? ☐ Y ☒ N ☐ Can't Tell	○
C7. Are storage containers missing labels or in poor condition (rusting)? ☐ Y ☒ N ☐ Can't Tell	○
D. WASTE MANAGEMENT ☒ **N/A** *(Skip to part E)*	**Observed Pollution Source?** ☐
D1. Type of waste *(check all that apply)*: ☐ Garbage ☐ Construction materials ☐ Hazardous materials	○
D2. Dumpster condition *(check all that apply)*: ☐ No cover/Lid is open ☐ Damaged/poor condition ☐ Leaking or evidence of leakage (stains on ground) ☐ Overflowing	○
D3. Is the dumpster located near a storm drain inlet? ☐ Y ☐ N ☐ Can't Tell If yes, are runoff diversion methods (berms, curbs) lacking? ☐ Y ☐ N ☐ Can't Tell	○
E. PHYSICAL PLANT ☐ **N/A** *(Skip to part F)*	**Observed Pollution Source?** ☐
E1. Building: Approximate age: 70 yrs. Condition of surfaces: ☒ Clean ☐ Stained ☐ Dirty ☐ Damaged	○
Evidence that maintenance results in discharge to storm drains (staining/discoloration)? ☐ Y ☐ N ☐ Don't know	○

*Index: ○ denotes potential pollution source; ☐ denotes confirmed polluter (evidence was seen)

E2. Parking Lot: Approximate age 20 yrs. Condition: ☒ Clean ☐ Stained ☐ Dirty ☐ Breaking up
Surface material ☒ Paved/Concrete ☐ Gravel ☐ Permeable ☐ Don't know

E3. Do downspouts discharge to impervious surface? ☐ Y ☐ N ☒ Don't know ☐ None visible
Are downspouts directly connected to storm drains? ☐ Y ☐ N ☒ Don't know

E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? ☐ Y ☒ N ☐ Can't Tell

F. TURF/LANDSCAPING AREAS ☑ **N/A** *(skip to part G)* — **Observed Pollution Source?**

F1. % of site with: Forest canopy ____% Turf grass ____% Landscaping ____% Bare Soil ____%

F2. Rate the turf management status: ☐ High ☐ Medium ☐ Low

F3. Evidence of permanent irrigation or "non-target" irrigation ☐ Y ☐ N ☐ Can't Tell

F4. Do landscaped areas drain to the storm drain system? ☐ Y ☐ N ☐ Can't Tell

F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? ☐ Y ☐ N ☐ Can't Tell

G. STORM WATER INFRASTRUCTURE ☐ **N/A** *(skip to part H)* — **Observed Pollution Source?**

G1. Are storm water treatment practices present? ☐ Y ☒ N ☒ Unknown If yes, please describe: don't think so

G2. Are private storm drains located at the facility? ☒ Y ☐ N ☐ Unknown
Is trash present in gutters leading to storm drains? If so, complete the index below.
Unless in rear of building & yard

Index Rating for Accumulation in Gutters

	Clean				Filthy
Sediment	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Organic material	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
Litter	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5

G3. Catch basin inspection – Record SSD Unique Site ID here: _____ Condition: ☐ Dirty ☐ Clean

H. INITIAL HOTSPOT STATUS - INDEX RESULTS

☐ Not a hotspot (fewer than 5 circles and no boxes checked) ☒ Potential hotspot (5 to 10 circles but no boxes checked)
☐ Confirmed hotspot (10 to 15 circles and/or 1 box checked) ☐ Severe hotspot (>15 circles and/or 2 or more boxes checked)

Follow-up Action:
- ☐ Refer for immediate enforcement
- ☐ Suggest follow-up on-site inspection
- ☐ Test for illicit discharge
- ☐ Include in future education effort
- ☒ Check to see if hotspot is an NPDES non-filer
- ☐ Onsite non-residential retrofit
- ☐ Pervious area restoration; complete PAA sheet and record Unique Site ID here: _____
- ☒ Schedule a review of storm water pollution prevention plan

Notes:
Oil storage tank is regulated truck filling rack covered & directly to storm drain. Likely discharges to treatment system although couldn't find it on site.