	STORMWATE NAME OF PROPERTY						
PROJECT NAME	NNING REPOI	<u> </u>	KMW	ATI	EK DE		DEM USE ONLY)
668-670 METACOM AVENUE						(KI	DEWI USE ONL I)
TOWN						STW/WC	QC File #:
BRISTOL	OD IDENOV					Date Rec	eived:
BRIEF PROJECT DES	CRIPTION: commercial building on a	an existing lot	with assoc	ciated			
parking, grading, utiliti	es, grading & stormwate one business and will not	r control. An a	adjacent lo	t is cu	urrently		
Stormwater	: Management P	lan (SMF	P) Elem	ent	s – Mi	nimun	n Standards
When submitting a SMI Analysis and Design Rep	P, submit four separately ort with Plan Set/Drawings nce (O&M) Plan. Please re	bound docum ; Soil Erosion a	ents: Apper	ndix A nt Con	A Checklist trol (SESC	; Stormwat	ter Site Planning,
listed below is required p	nstruction projects <u>must of</u> er the <u>RIDEM Stormwater</u> I elements to be submitted	Rules and the	RIPDES Co	nstru	ction Gene	ral Permit ((CGP). This checklist will
PART 1. PROJE	ECT AND SITE INI	FORMATION	ON				
PROJECT TYPE (Chec	k all that apply)						
☐ Residential		☐ Federal			Retrofit		☐ Restoration
☐ Road	☐ Utility	☐ Fill			Dredge		
☐ Other (specify):							
SITE INFORMATION							
□ Vicinity Map							
INITIAL DISCHARGE	LOCATION(S): The Wo	Ov discharges to	o: (You may	y choo	ose more th	an one ans	wer if several discharge
points are associated with			` •	<u> </u>			
⊠ Groundwater	☐ Surface Water				☐ MS4		
GAA	☐ Isolated Wetland				□ RI		
☐ GA	☐ Named Waterbod		. NT 1			IDOT Alteration Permit is Approved	
□ GB	☐ Unnamed Waterb Waterbody	ody Connected	to Named			own	·.\.
	waterbody				☐ ☐ Ot	her (specif	у):
	NG WATERBODY LOCA						s to both WQ _v and flow
☐ Groundwater or Disconnected Wetland				P			
□ Waterbody Name: Up	□ Coldw	vater	□ W	armwater	☐ Unassessed		
☐ Waterbody ID: 010900040907			☐ 4 th ord	ler str	eam of por	d 50 acres	or more
☐ TMDL for:	☐ Watershed of flood prone river (e.g., Pocasset River)						
☐ Contributes to a priority outfall listed in the TMDL			☐ Contributes stormwater to a public beach				
☐ 303(d) list – Impairme	☐ Contri	ibutes	to shellfish	hing groun	ds		

PROJE	CT HISTORY						
	RIDEM Pre- Application Meeting Meeting Date:						
	icipal Master Plan Approval	Approval Date:	☐ Minutes Attached				
☐ Subo	☐ Subdivision Suitability Required Approval #:						
☐ Prev	ious Enforcement Action has been taken on the property	Enforcement #:					
FLOOD	PLAIN & FLOODWAY See Guidance Pertaining to Floo	odplain and Floodways					
☐ Rive	rine 100-year floodplain: FEMA FLOODPLAIN FIRME	TTE has been reviewed and the 10	0-year floodplain is on site				
☐ Deli	neated from FEMA Maps						
NOTE:	Per Rule 250-RICR-150-10-8-1.1(B)(5)(d)(3), provide volu fill/displacement calculated by qualified professional	umetric floodplain compensation ca	lculations for cut and				
☐ Calc	ulated by Professional Engineer						
☐ Calc	ulations are provided for cut vs. fill/displacement volumes	Amount of Fill (CY):					
	osed within the 100-year floodplain	Amount of Cut (CY):					
	rictions or modifications are proposed to the flow path or ve	elocities in a floodway					
	dplain storage capacity is impacted						
⊠ Proje	ect area is not within 100-year floodplain as defined by RID	DEM					
CRMC	JURISDICTION						
	IC Assent required						
	erty subject to a Special Area Management Plan (SAMP).	If so, specify which SAMP:					
	evel rise mitigation has been designed into this project						
LUHPP	L IDENTIFICATION - MINIMUM STANDARD 8:						
1.	OFFICE OF Land Revitalization and Sustainable Mate	erials Management (OLRSMM)					
	☐ Known or suspected releases of HAZARDOUS MA	-	RIDEM CONTACT:				
	(Hazardous Material is defined in Rule 1.4(A)(33) of 250-140-30-1 of the RIDEM						
	Rules and Regulations for Investigation and Remedia	ation of Hazardous Materials (the					
	Remediation Regulations))	CODUCT are present at the site					
	☐ Known or suspected releases of PETROLEUM PRODUCT are present at the site (Petroleum Product as defined in Rule 1.5(A)(84) of 250-140-25-1 of the RIDEM Rules						
	and Regulations for Underground Storage Facilities U						
	Hazardous Materials)						
	☐ This site is identified on the <u>RIDEM Environments</u>	al Resources Map as one of the	SITE ID#:				
	following regulated facilities						
	☐ CERCLIS/Superfund (NPL)						
	State Hazardous Waste Site (SHWS)						
	☐ Environmental Land Usage Restriction (ELU						
	Leaking Underground Storage Tank (LUST)						
	☐ Closed Landfill						
Note:	If any boxes in 1 above are checked, the applicant must con						
	Site to determine if subsurface infiltration of stormwater is allowable for the project. Indicate if the infiltration corresponds to "Red," "Yellow" or "Green" as described in Section 3.2.8 of the RISDISM Guidance (Subsurface Contamination						
	Guidance). Also, note and reference approval in PART 3,						
2.	PER MINIMUM STANDARD 8 of RICR 8.14.C.1-6 "I						
	☐ Industrial Site with RIPDES MSGP, except where No						
	http://www.dem.ri.gov/programs/water/permits/ripdes	s/stormwater/status.php					
	☐ Auto Fueling Facility (e.g., gas station)						
	☐ Exterior Vehicles Service, Maintenance, or Equipment Cleaning Area						

	☐ Road Salt Storage and Loading Areas (exposed to rainwater)					
	☐ Outdoor Storage and Loading/Unloading of Hazardous Substances					
3.	STORMWATER INDUSTRIAL PERMITTING					
	☐ The site is associated with existing or proposed activities that are considered Land	Activities:				
	Uses with Higher Potential Pollutant Loads (LUHPPLS) (see RICR 8.14.C)	Sector:				
	☐ Construction is proposed on a site that is subject to THE MULTI-SECTOR	MSGP permit #				
	GENERAL PERMIT (MSGP) UNDER RULE 31(B)15 OF THE RIPDES					
	REGULATIONS.					
	Additional stormwater treatment is required by the MSGP Explain:					
	Explain.					
REDEV	ELOPMENT STANDARD – MINIMUM STANDARD 6					
⊠ Pre 0	Construction Impervious Area LOT 16 ONLY					
	☐ Total Pre-Construction Impervious Area (TIA): 0.3 Ac.					
	☑ Total Site Area (TSA): 0.72 Ac.					
	☐ Jurisdictional Wetlands (JW): 0.03 Ac.					
	☐ Conservation Land (CL)					
☐ Calc	ulate the Site Size (defined as contiguous properties under same ownership)					
	\boxtimes Site Size (SS) = (TSA) – (JW) – (CL) 0.72-0.03=0.69					
	\boxtimes (TIA) / (SS) = 0.3/0.69=0.43>0.4 \boxtimes (TIA) / (SS) >0.4?					
\boxtimes YES	, Redevelopment					
PART	2. LOW IMPACT DEVELOPMENT ASSESSMENT – MINIM	IUM STANDARD 1				
	(NOT REQUIRED FOR REDEVELOPMENT OR RETROFITS)					
	This section may be deleted if not required.					
NT 4 A		1' 11 0'.				
	written description must be provided specifying why each method is not being used or is not iate answers may include:	applicable at the Site.				
	Town requires (state the specific local requirement)					
	Meets Town's dimensional requirement of					
	Not practical for site because					
•	Applying for waiver/variance to achieve this (pending/approved/denied)					
•	Applying for wavier/variance to seek relief from this (pending/approved/denied)					
4) DDI	ESERVATION OF UNDISTUDDED ADEAS DUEEEDS AND ELOODDI AINS	IF NOT				
· ·	ESERVATION OF UNDISTURBED AREAS, BUFFERS, AND FLOODPLAINS	IMPLEMENTED,				
	Sensitive resource areas and site constraints are identified (required)	EXPLAIN HERE				
	Local development regulations have been reviewed (required)					
	All vegetated buffers and coastal and freshwater wetlands will be protected during and after construction					
	Conservation Development or another site design technique has been incorporated to protect					
	open space and pre-development hydrology. <u>Note</u> : If Conservation Development has been					
	used, check box and skip to Subpart C					
\boxtimes						

B)		CATE DEVELOPMENT IN LESS SENSITIVE AREAS AND WORK WITH THE TURAL LANDSCAPE CONDITIONS, HYDROLOGY, AND SOILS	
	\boxtimes	Development sites and building envelopes have been appropriately distanced from wetlands and waterbodies	
		Development and stormwater systems have been located in areas with greatest infiltration	
		capacity (e.g., soil groups A and B) Plans show measures to prevent soil compaction in areas designated as Qualified Pervious	
	\boxtimes	Areas (QPA's) Development sites and building envelopes have been positioned outside of floodplains	
	\boxtimes	Site design positions buildings, roadways and parking areas in a manner that avoids impacts	
		to surface water features	
	\boxtimes	Development sites and building envelopes have been located to minimize impacts to steep	
		slopes (≥15%) Other (describe):	
<i>C</i>)	MI	NIMIZE CLEARING AND GRADING	
	\boxtimes	Site clearing has been restricted to minimum area needed for building footprints, development	
		activities, construction access, and safety.	
	\bowtie	Site has been designed to position buildings, roadways, and parking areas in a manner that	
	\boxtimes	minimizes grading (cut and fill quantities) Protection for stands of trees and individual trees and their root zones to be preserved has	
		been specified, and such protection extends at least to the tree canopy drip line(s)	
		Plan notes specify that public trees removed or damaged during construction shall be replaced	
		with equivalent	
D)	RE	DUCE IMPERVIOUS COVER	
		Reduced roadway widths (\le 22 feet for ADT \le 400; \le 26 feet for ADT 400 - 2,000)	
	Ш	Reduced driveway areas (length minimized via reduced ROW width (\leq 45 ft.) and/or reduced (or absolute minimum) front yard setback; width minimized to \leq 9 ft. wide one lane; \leq 18 ft.	
		wide two lanes; shared driveways; pervious surface)	
		Reduced building footprint: Explain approach:	
		Reduced sidewalk area (≤ 4 ft. wide; one side of the street; unpaved path; pervious surface)	
		Reduced cul-de-sacs (radius < 45 ft; vegetated island; alternative turn-around) Reduced parking lot area: Explain approach	
		Use of pervious surfaces for driveways, sidewalks, parking areas/overflow parking areas, etc.	
	\boxtimes	Minimized impervious surfaces (project meets or is less than maximum specified by Zoning	
	_	Ordinance)	
		Other (describe):	
E)	_	CONNECT IMPERVIOUS AREA	
	Ш	Impervious surfaces have been disconnected, and runoff has been diverted to QPAs to the maximum extent possible	
		Residential street edges allow side-of-the-road drainage into vegetated open swales	
		Parking lot landscaping breaks up impervious expanse AND accepts runoff	
		Other (describe):	
F)	MI	TIGATE RUNOFF AT THE POINT OF GENERATION	
	\boxtimes	Small-scale BMPs have been designated to treat runoff as close as possible to the source	
G)	_	OVIDE LOW-MAINTENANCE NATIVE VEGETATION	
		Low-maintenance landscaping has been proposed using native species and cultivars Plantings of native trees and shrubs in areas previously cleared of native vegetation are	
		shown on site plan	
		Lawn areas have been limited/minimized, and yards have been kept undisturbed to the	
		maximum extent practicable on residential lots	

H)	RE	STORE STREAMS/WETLANDS	
		Historic drainage patterns have been restored by removing closed drainage systems,	
		daylighting buried streams, and/or restoring degraded stream channels and/or wetlands	
		Removal of invasive species	
		Other	

PART 3. SUMMARY OF REMAINING STANDARDS

GROU	GROUNDWATER RECHARGE – MINIMUM STANDARD 2					
YES	NO					
\boxtimes		The project has been designed to meet the groundwater recharge standard.				
		If "No," the justification for groundwater recharge criterion waiver has been explained in the Narrative (e.g., threat of groundwater contamination or physical limitation), if applicable (see RICR 8.8.D);				
		Your waiver request has been explained in the Narrative, if applicable.				
	\boxtimes	Is this site identified as a Regulated Facility in Part 1, Minimum Standard 8: LUHPPL Identification?				
		If "Yes," has approval for infiltration by the OLRSMM Site Project Manager, per Part 1, Minimum Standard 8, been requested?				

TABLE 2-1: Summary of Recharge (see RISDISM Section 3.3.2)					
	(Add or Subtract R	lows as Necessary)		
Design Point	Impervious Area Treated (sq ft)	Total Rev Required (cu ft)	LID Stormwater Credits (see RISDISM Section 4.6.1) Portion of Rev directed to a QPA (cu ft)	Recharge Required by Remaining BMPs (cu ft)	Recharge Provided by BMPs (cu ft)
DP-1: SITE	13,011	271		271	1,133
DP-2:					
DP-3:					
DP-4:					
TOTALS:					
Notes:					

Notes:

- 1. Only BMPs listed in RISDISM Table 3-5 "List of BMPs Acceptable for Recharge" may be used to meet the recharge requirement.
- 2. Recharge requirement must be satisfied for each waterbody ID.

Indicate where the pertinent calculations and/or information for the above items are provided (i.e., name of report/document,
page numbers, appendices, etc.):

WATE	R QUA	LITY – MINIMUM STANDARD 3
YES	NO	
\boxtimes		Does this project meet or exceed the required water quality volume WQv (see RICR 8.9.E-I)?
\boxtimes		Is the proposed final impervious cover greater than 20% of the disturbed area (see RICR 8.9.E-I)?
		If "Yes," either the Modified Curve Number Method or the Split Pervious/Impervious method in Hydro-CAD was used to calculate WQv; or,
\boxtimes		If "Yes," either TR-55 or TR-20 was used to calculate WQv; and,
		If "No," the project meets the minimum WQv of 0.2 watershed inches over the entire disturbed area.
		Not Applicable
\boxtimes		Does this project meet or exceed the ability to treat required water quality flow WQf (see RICR 8.9.I.1-3)?
	\boxtimes	Does this project propose an increase of impervious cover to a receiving water body with impairments?
		If "Yes," please indicate below the method that was used to address the water quality requirements of no further degradation to a low-quality water.
		RICR 8.36. A Pollutant Loading Analysis is needed and has been completed.
		The Water Quality Guidance Document (Water Quality Goals and Pollutant Loading Analysis Guidance for Discharges to Impaired Waters) has been followed as applicable.
		BMPs are proposed that are on the <u>approved technology list</u> . If "Yes," please provide all required worksheets from the manufacturer.
		Additional pollutant-specific requirements and/or pollutant removal efficiencies are applicable to the site as the result of a TMDL, SAMP, or other watershed-specific requirements. If "Yes," please describe:

	TABLE 3-1: Summary of Water Quality (see RICR 8.9)					
Design Point and WB ID	Impervious area treated (sq ft)	Total WQ _v Required (cu ft)	LID Stormwater Credits (see RICR 8.18) WQv directed to a QPA (cu ft)	Water Quality Treatment Remaining (cu ft)	Water Quality Provided by BMPs (cu ft)	
DP-1: SITE	13,011	1,084		1,084	1,133	
DP-2:						
DP-3:						
DP-4:						
TOTALS:						
Notes: 1. Only BMPs listed in RICR 8.20 and 8.25 or the Approved Technologies List of BMPs is Acceptable for Water Quality treatment. 2. For each Design Point, the Water Quality Volume Standard must be met for each Waterbody ID.						

If "No," please explain: Setback to surface water is not met due to site constraints.

☐ Indicate where the pertinent calculations and/or information for the above items are provided (i.e., name of report/document,

This project has met the setback requirements for each BMP.

page numbers, appendices, etc.):

☐ YES

 \boxtimes NO

CONV	EYAN	CE A	ND NATURAL CHANNEL PROTECTION	ON (RICR 8.10)	– MINIMUM S	TANDARD 4		
YES	NO							
\boxtimes		Is this standard waived? If "Yes," please indicate one or more of the reasons below:						
		The project directs discharge to a large river (i.e., 4th-order stream or larger. See RISDISM Append for State-wide list and map of stream orders), bodies of water >50.0 acres in surface area (i.e., lakes, ponds, reservoirs), or tidal waters.						
		\boxtimes	The project is a small facility with imper	vious cover of les	ss than or equal to	o 1 acre.		
			The project has a post-development peak year, 24-hour Type III design storm ever greatly reduce the peak discharge rate).					
		Con	veyance and natural channel protection for	the site have been	met.			
			If "No,' explain why:					
			TABLE 4-1: Summary of Channe	el Protection Volu	umes (see RICR	8.10)		
Design Point		t	Receiving Water Body Name	Coldwater Fishery? (Y/N)	Total CPv Required (cu ft)	Total CPv Provided (cu ft)	Average Release Rate Modeled in the 1-yr storm (cfs)	
DP-1:								
DP-2:								
DP-3:								
DP-4:								
TOTAI	LS:							
Note: T	The Cha	nnel I	Protection Volume Standard must be met in					
□ YES □ NO			The CPv is released at roughly a uniform rate over a 24-hour duration (see examples of sizing calculations in Appendix D of the RISDISM).					
□ YE □ NO			Do additional design restrictions apply rest If "Yes," please indicate restrictions and so		scharge to cold-v	water fisheries;		

Indicate below where the pertinent calculations and/or information for the above items are provided (i.e., name of

report/document, page numbers, appendices, etc.).

	RBANK DARD	FLOOD PROTECTION (RICR 8.11) AND OTHER POTENTIAL HIGH FLOWS – MINIMUM 5				
YES	NO					
	\boxtimes	Is this standard waived? If yes, please indicate one or more of the reasons below:				
		 □ The project directs discharge to a large river (i.e., 4th-order stream or larger. See Appendix I for statewide list and map of stream orders), bodies of water >50.0 acres in surface area (i.e., lakes, ponds, reservoirs), or tidal waters. □ A Downstream Analysis (see RICR 8.11.D and E) indicates that peak discharge control would not be beneficial or would exacerbate peak flows in a downstream tributary of a particular site (e.g., through coincident peaks). 				
		Does the project flow to an MS4 system or subject to other stormwater requirements? If "Yes," indicate as follows:				
		□ RIDOT □ Other (specify):				
Note:						
		Indicate below which model was used for your analysis. □ TR-55 □ TR-20 ⋈ HydroCAD □ Bentley/Haestad □ Intellisolve □ Other (Specify):				
YES	NO					
		Does the drainage design demonstrate that flows from the 100-year storm event through a BMP will safely manage and convey the 100-year storm? If "No," please explain briefly below and reference where in the application further documentation can be found (i.e., name of report/document, page numbers, appendices, etc.)				
	\boxtimes	Do off-site areas contribute to the sub-watersheds and design points? If "Yes,"				
		Are the areas modeled as "present condition" for both pre- and post-development analysis?				
		Are the off-site areas shown on the subwatershed maps?				
		Does the drainage design confirm safe passage of the 100-year flow through the site for off-site runoff?				
	\boxtimes	Is a Downstream Analysis required (see RICR 8.11.E.1)?				
\boxtimes		Calculate the following:				
		☐ Area of disturbance within the sub-watershed (areas) = 39,441 sf				
		☐ Impervious cover (%) = 33%				
] 🗵	Is a dam breach analysis required (earthen embankments over six (6) feet in height, or a capacity of 15 acre-feet or more, and contributes to a significant or high hazard dam)?				
\boxtimes		Does this project meet the overbank flood protection standard?				

	Table 5-1 Hydraulic Analysis Summary							
Subwatershed (Design Point)	1.2" Peak Flow (cfs) **		1-yr Peak Flow (cfs)		10-yr Peak Flow (cfs)		100-yr Peak Flow (cfs)	
(Design 1 omt)	Pre (cfs)	Post (cfs)	Pre (cfs)	Post (cfs)	Pre (cfs)	Post (cfs)	Pre (cfs)	Post (cfs)
DP-1: SITE	0.10	0.02	0.71	0.15	1.72	0.49	3.57	3.63
DP-2:								
DP-3:								
DP-4:								
TOTALS:								

** Utilize modified curve number method or split pervious /impervious method in HydroCAD.

<u>Note</u>: The hydraulic analysis must demonstrate no impact to each individual subwatershed DP unless each DP discharges to the same wetland or water resource.

Indicate as follows where the pertinent calculations and/or information for the items above are provided	Name of report/document, page numbers, appendices, etc.
Existing conditions analysis for each subwatershed, including curve numbers, times of concentration, runoff rates, volumes, and water surface elevations showing methodologies used and supporting calculations.	
Proposed conditions analysis for each subwatershed, including curve numbers, times of concentration, runoff rates, volumes, water surface elevations, and routing showing the methodologies used and supporting calculations.	
Final sizing calculations for structural stormwater BMPs, including contributing drainage area, storage, and outlet configuration.	
Stage-storage, inflow and outflow hydrographs for storage facilities (e.g., detention, retention, or infiltration facilities).	

	Table 5-2 Summary of Best Management Practices										
BMP ID		BMP Type	BMP Functions				Bypass Type	Horizontal Setback Criteria are met per RICR 8.21.B.10, 8.22.D.11, and 8.35.B.4			
	DP#	(e.g., bioretention, tree filter)	Pre- Treatment (Y/N/ NA)	Re _v	WQv	CP _v (Y/N/ NA)	Overbank Flood Reduction (Y/N/NA)	External (E) Internal (I) or NA	Yes/ No	Technical Justification (Design Report page number)	Distance Provided
BIO	SITE	Bioretention	X	X	X	NA	X		N		15'<50'
		TOTALS:									

	Table 5.3 Summary of Soils to Evaluate Each BMP								
		DMD T	Soils Analysis for Each BMP						
DP#	BMP ID	(e.g., bioretention,		t ID# and Elevation	SHWT Elevation	Bottom of Practice	Separation Distance	Hydrologic Soil Group	Exfiltration Rate
		tree filter)	Primary	Secondary	(ft)	Elevation* (ft)	Provided (ft)	(A, B, C, D)	Applied (in/hr)
SITE	BIO	Bioretention	Pond		112	116	4	С	0.50
		TOTALS:						_	

^{*} For underground infiltration systems (UICs) bottom equals bottom of stone, for surface infiltration basins bottom equals bottom of basin, for filters bottom equals interface of storage and top of filter layer

LANI	LAND USES WITH HIGHER POTENTIAL POLLUTANTS LOADS (LUHPPLs) – MINIMUM STANDARD 8					
YES	NO	N/A				
			Describe any LUHPPLs identified in Part 1, Minimum Standard 8, Section 2. If not applicable, continue to Minimum Standard 9.			
			Are these activities already covered under an MSGP? If "No," please explain if you have applied for an MSGP or intend to do so?			
			List the specific BMPs that are proposed for this project that receive stormwater from LUHPPL drainage areas. These BMP types must be listed in RISDISM Table 3-3, "Acceptable BMPs for Use at LUHPPLs." Please list BMPs:			
			Additional BMPs, or additional pretreatment BMP's if any, that meet RIPDES MSGP requirements; Please list BMPs:			
			Indicate below where the pertinent calculations and/or information for the above items are provided (i.e., name of report/document, page numbers, appendices, etc.).			

ILLIC	ILLICIT DISCHARGES – MINIMUM STANDARD 9					
	Illicit discharges are defined as unpermitted discharges to Waters of the State that do not consist entirely of stormwater or uncontaminated groundwater, except for certain discharges identified in the RIPDES Phase II Stormwater General Permit.					
YES	NO	N/A				
	\boxtimes		Have you checked for illicit discharges?			
			Have any been found and/or corrected? If "Yes," please identify.			
			Does your report explain preventative measures that keep non-stormwater discharges out of the Waters of the State (during and after construction)?			

SOIL	EROSI	ON A	ND SEI	DIMENT CONTROL (SESC) – MINIMUM STANDARD 10			
YES	NO	N/A					
\boxtimes			Have	Have you included a Soil Erosion and Sediment Control Plan Set and/or Complete Construction Plan Set?			
	\boxtimes			you provided a separately-bound document based upon the <u>SESC Template</u> ? If yes, proceed to			
				num Standard 11 (the following items can be assumed to be addressed).			
			If "No	o," include a document with your submittal that addresses the following elements of an SESC Plan:			
				Soil Erosion and Sediment Control Plan Project Narrative, including a description of how the fifteen			
				(15) Performance Criteria have been met:			
			\boxtimes	Provide Natural Buffers and Maintain Existing Vegetation			
			\boxtimes	Minimize Area of Disturbance			
			\boxtimes	Minimize the Disturbance of Steep Slopes			
				Preserve Topsoil			
			\boxtimes	Stabilize Soils			
				Protect Storm Drain Inlets			
			\boxtimes	Protect Storm Drain Outlets			
				Establish Temporary Controls for the Protection of Post-Construction Stormwater Control Measures			
			\boxtimes	Establish Perimeter Controls and Sediment Barriers			
				Divert or Manage Run-On from Up-Gradient Areas			
				Properly Design Constructed Stormwater Conveyance Channels			
			\boxtimes	Retain Sediment On-Site			
				Control Temporary Increases in Stormwater Velocity, Volume, and Peak Flows			
			\boxtimes	Apply Construction Activity Pollution Prevention Control Measures			
				Install, Inspect, and Maintain Control Measures and Take Corrective Actions			
				Qualified SESC Plan Preparer's Information and Certification			
			\boxtimes	Operator's Information and Certification; if not known at the time of application, the Operator must			
				certify the SESC Plan upon selection and prior to initiating site activities			
				Description of Control Measures, such as Temporary Sediment Trapping and Conveyance Practices, including design calculations and supporting documentation, as required			
				1			

	STORMWATER MANAGEMENT SYSTEM OPERATION, MAINTENANCE, AND POLLUTION PREVENTION PLAN – MINIMUM STANDARDS 7 AND 9				
Opera	ation a	nd Maintenance Section			
YES	NO				
\boxtimes		Have you minimized all sources of pollutant contact with stormwater runoff, to the maximum extent practicable?			
\boxtimes		Have you provided a separately-bound Operation and Maintenance Plan for the site and for all of the BMPs, and does it address each element of RICR 8.17 and RISDISM Appendix C and E?			
		Lawn, Garden, and Landscape Management meet the requirements of RISDISM Section G.7? If "No," why not?			
×		Is the property owner or homeowner's association responsible for the stormwater maintenance of all BMP's? If "No," you must provide a legally binding and enforceable maintenance agreement (see RISDISM Appendix E, page 26) that identifies the entity that will be responsible for maintenance of the stormwater. Indicate where this agreement can be found in your report (i.e., name of report/document, page numbers, appendices, etc.).			
		Do you anticipate that you will need legal agreements related to the stormwater structures? (e.g. off-site easements, deed restrictions, covenants, or ELUR per the Remediation Regulations). If "Yes," have you obtained them? Or please explain your plan to obtain them:			

		Is stormwater being directed from public areas to private property? If "Yes," note the following: Note: This is not allowed unless a funding mechanism is in place to provide the finances for the long-term maintenance of the BMP and drainage, or a funding mechanism is demonstrated that can guarantee the long-
Pollut	ion Pr	term maintenance of a stormwater BMP by an individual homeowner. evention Section
		Designated snow stockpile locations?
		Trash racks to prevent floatables, trash, and debris from discharging to Waters of the State?
\boxtimes		Asphalt-only based sealants?
	\boxtimes	Pet waste stations? (Note: If a receiving water has a bacterial impairment, and the project involves housing units, then this could be an important part of your pollution prevention plan).
		Regular sweeping? Please describe:
		De-icing specifications, in accordance with RISDISM Appendix G. (NOTE: If the groundwater is GAA, or this area contributes to a drinking water supply, then this could be an important part of your pollution prevention plan).
	\boxtimes	A prohibition of phosphate-based fertilizers? (Note: If the site discharges to a phosphorus impaired waterbody, then this could be an important part of your pollution prevention plan).

PART 4. SUBWATERSHED MAPPING AND SITE-PLAN DETAILS

Existin	Existing and Proposed Subwatershed Mapping (REQUIRED)					
YES	NO					
\boxtimes		Existing and proposed drainage area delineations				
\boxtimes		Locations of all streams and drainage swales				
		Drainage flow paths, mapped according to the DEM <i>Guidance for Preparation of Drainage Area Maps</i> included in RISDISM Appendix K)				
\boxtimes		Complete drainage area boundaries; include off-site areas in both mapping and analyses, as applicable				
		Logs of borings and/or test pit investigations along with supporting soils/geotechnical report				
		Mapped seasonal high-water-table test pit locations				
		Mapped locations of the site-specific borings and/or test pits and soils information from the test pits at the locations of the BMPs				
\boxtimes		Mapped locations of the BMPs, with the BMPs consistently identified on the Site Construction Plans				
	\boxtimes	Mapped bedrock outcrops adjacent to any infiltration BMP				
\boxtimes		Soils were logged by a:				
	•	DEM-licensed Class IV soil evaluator Name: Thomas J. Principe, III				
		RI-registered P.E. Name: Thomas j. Principe, III				

Subwatershed and Impervious Area Summary						
Subwatershed (area to each design point)	First Receiving Water ID or MS4	Area Disturbed (units)	Existing Impervious (units)	Proposed Impervious (units)		
DP-1: SITE	Un-named pond	39,441	12,983	13,011		
DP-2:						
DP-3:						
DP-4:						
TOTALS:						

Site C	onstru	ction Plans (Indicate that the following applicable specifications are provided)
YES	NO	
		Existing and proposed plans (scale not greater than 1" = 40') with North arrow
\boxtimes		Existing and proposed site topography (with 1 or 2-foot contours); 10-foot contours accepted for off-site areas
\boxtimes		Boundaries of existing predominant vegetation and proposed limits of clearing
\boxtimes		Site Location clarification
\boxtimes		Location and field-verified boundaries of resource protection areas such as:
		► freshwater and coastal wetlands, including lakes and ponds
		 coastal shoreline features
		Perennial and intermittent streams, in addition to Areas Subject to Storm Flowage (ASSFs)
\boxtimes		All required setbacks (e.g., buffers, water-supply wells, septic systems)
\boxtimes		Representative cross-section and profile drawings, and notes and details of structural stormwater management
		practices and conveyances (i.e., storm drains, open channels, swales, etc.), which include:
		► Location and size of the stormwater treatment practices (type of practice, depth, area). Stormwater
		treatment practices (BMPs) must have labels that correspond to RISDISM Table 5-2;
		 Design water surface elevations (applicable storms);
		 Structural details of outlet structures, embankments, spillways, stilling basins, grade-control structures, conveyance channels, etc.;
		Existing and proposed structural elevations (e.g., inverts of pipes, manholes, etc.);
		Location of floodplain and, if applicable, floodway limits and relationship of site to upstream and
		downstream properties or drainage that could be affected by work in the floodplain;
		Planting plans for structural stormwater BMPs, including species, size, planting methods, and
		maintenance requirements of proposed planting
		Logs of borings and/or test pit investigations along with supporting soils/geotechnical report and corresponding
		water tables
		Mapping of any OLRSMM-approved remedial actions/systems (including ELURs)
\boxtimes		Location of existing and proposed roads, buildings, and other structures including limits of disturbance;
		 Existing and proposed utilities (e.g., water, sewer, gas, electric) and easements;
		► Location of existing and proposed conveyance systems, such as grass channels, swales, and storm drains,
		and location(s) of final discharge point(s) (wetland, waterbody, etc.);
		 Cross sections of roadways, with edge details such as curbs and sidewalks;
		► Location and dimensions of channel modifications, such as bridge or culvert crossings
		Locations, cross sections, and profiles of all stream or wetland crossings and their method of stabilization