

AUG 27 2014

Planning, Assessment
and Zoning

Stormwater Management Checklist

<input checked="" type="checkbox"/>	SITE PLAN REVIEW APPLICATION		Project Name	Automotive Service Station
<input checked="" type="checkbox"/>	Date of Submittal 8 / 27 / 2014		Applicant's Name	Tropic Star Development
<input checked="" type="checkbox"/>	Engineer	Jones & Beach Engineers	Architect	BKA Architects
<input type="checkbox"/>	New Development		<input checked="" type="checkbox"/>	Re-Development
<input checked="" type="checkbox"/>	Total Area of Disturbance 11,374		Square Feet (SF)	
	<input type="checkbox"/>	< 10,000 SF and No Water Quality Threat {No Stormwater Management Plan Required}		
	<input type="checkbox"/>	< 10,000 SF and Possible Water Quality Threat {Stormwater Management Plan Required}		
	<input checked="" type="checkbox"/>	> 10,000 SF {Stormwater Management Plan Required except as provided for in 9.03 (A) with an approved AOT permit}		
STORMWATER MANAGEMENT PLAN – PART I				
<input checked="" type="checkbox"/>	EXISTING CONDITIONS PLAN			
	<input checked="" type="checkbox"/>	Title Block, Appropriate Scale, Legend, Datum, Locus Plan, Professional Stamp(s)		
	<input checked="" type="checkbox"/>	Topographic Contours and benchmarks		
	<input checked="" type="checkbox"/>	Buildings, Structures, Wells, Septic Systems, Utilities		
	<input checked="" type="checkbox"/>	Water Bodies, Wetlands, Hydrologic Features, Soil Codes, Buffer Zone		
	<input checked="" type="checkbox"/>	Area of Impervious Surface 7,507 SF		
	<input checked="" type="checkbox"/>	Total Area of Pavement 5,809 SF	Area of Pervious Pavement 0 SF	
<input checked="" type="checkbox"/>	PROPOSED CONDITIONS PLAN (include above existing and below proposed features)			
	<input checked="" type="checkbox"/>	Title Block, Appropriate Scale, Legend, Datums, Locus Plan, Professional Stamp(s)		
	<input checked="" type="checkbox"/>	Topographic Contours and benchmarks		
	<input checked="" type="checkbox"/>	Buildings, Structures, Wells, Septic Systems, Utilities		
	<input checked="" type="checkbox"/>	Water Bodies, Wetlands, Hydrologic Features, Soil Codes, Buffer Zone		
	<input checked="" type="checkbox"/>	Impervious Surface Area 8,404 SF	Impervious Surface Increase 897 SF	
	<input checked="" type="checkbox"/>	Total Area of Pavement 5,071 SF	Area of Pervious Pavement 589 SF	
	<input checked="" type="checkbox"/>	Effective Impervious Area (EIA) 8,404 SF		
	<input checked="" type="checkbox"/>	Stormwater Management & Treatment System (Describe System Elements Below)		
	<input checked="" type="checkbox"/>	Name of Receiving Waterbody Oyster River		
	<input checked="" type="checkbox"/>	Closed Drain & Catch Basin Network	<input checked="" type="checkbox"/>	Connected to Town Closed System
	<input checked="" type="checkbox"/>	Detention Structure Types Underground Detention		

<input checked="" type="checkbox"/>	Structural BMP Types Deep sump hood catch basins, underground detention with isolator rows	
<input type="checkbox"/>	LID Strategies	
<input checked="" type="checkbox"/>	Estimated Value of Parts to be Town Owned and/or Maintained	\$ <u>0</u>

STORMWATER MANAGEMENT PLAN – PART II

DRAINAGE ANALYSIS

24-Hour Storm Event		Runoff	Pre-Development	Post-Development
<input type="checkbox"/>	1-inch	Rate	<u>.24</u> Feet ³ /Sec (CFS)	<u>.18</u> CFS
<input type="checkbox"/>	1-inch	Volume	<u>653.4</u> Feet ³ (CF)	<u>696.96</u> CF
<input type="checkbox"/>	2-Year	Rate	<u>1.27</u> CFS	<u>1.21</u> CFS
<input type="checkbox"/>	2-Year	Volume	<u>3702.6</u> CF	<u>3789.7</u> CF
<input type="checkbox"/>	10-Year	Rate	<u>2.05</u> CFS	<u>1.99</u> CFS
<input type="checkbox"/>	10-Year	Volume	<u>6141.9</u> CF	<u>6229.1</u> CF
<input type="checkbox"/>	25-Year	Rate	<u>2.67</u> CFS	<u>2.58</u> CFS
<input type="checkbox"/>	25-Year	Volume	<u>8102.2</u> CF	<u>8189.3</u> CF
<input type="checkbox"/>	100-Year	Rate	<u>3.94</u> CFS	<u>3.92</u> CFS

EROSION & SEDIMENT CONTROL PLAN

OTHER PERMITS OR PLANS REQUIRED BY USEPA or NHDES (Where applicable)

USEPA Pre- and Post-Construction Stormwater Pollution Prevention Plan

NHDES Alteration of Terrain Permit

Other (Please list)

OPERATION & MAINTENANCE PLAN

Need for 3rd Party Review? YES _____ NO _____

RECEIVED
Town of Durham
AUG 2 / 2014
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and Zoning