CITY OF SUGAR HILL

AS-BUILT CHECKLIST FOR
SITE DEVELOPMENT PLANS

Review #1: _____ Review #2: _____ Review #3: _____
Review Date: _____ Review Date: _____ Review Date: _____
Reviewer: _____ Reviewer: _____ Reviewer: _____

PROJECT NAME: _____

PROJECT LOCATION: _____

TAX PARCEL #(s): _____

✓ OK **X** Revision Required **N/A** Not Applicable **N/R** Not Required **?** Additional Information Required

Reviews 3rd	2nd	1st			Corrected on Page #
			1	Contours at 2-foot elevations and pertinent spot elevations.	
			2	Bottom of pond elevation in front of outlet device and opposite end of pond to verify positive drainage	
			3	Top of wall or dam elevation to verify freeboard.	
			4	Width of dam at top of dam	
			5	Forebay equaling 10% of the water quality volume must be provided for all pond inlets. Show the required water quality volume and detention volume for each outlet control structure.	
			6	Maximum ponding elevation and limits of ponding.	
			7	Location of pond in respect to property lines, road R/O/W, and other easements.	
			8	Registered Land Surveyor seal and signature certifying pond location and topography.	
			9	Detail of outlet device showing pertinent elevations and dimensions.	
			10	CP offices 15" or less require a trash rack. One of the following is acceptable: the elbow style trash rack (schedule 40 solid PVV (4" min. diameter) threaded end cap with PVC threaded plug) or the welded rebar trash rack with maximum grid opening of d/2 and a surface area of at least 10 square feet.	
			11	WQ and CP orifice sizes shall be in place and specified with detail of filtration system such as the double "Y" water quality filtration system. (Note: all end caps inside the outlet control structure should be threaded end caps with removable PVC threaded plug for cleaning purposes.)	
			12	Professional engineer's seal and signature, certifying pond routing and stormwater report.	
			13	Date of study.	
				Use a format like the tables below to organize the data.	

			14	Pond Identifier	Storm Frequency	Allowable release rates as indicated in original design (cfs)	Actual release rates based on as-built survey of detention pond (cfs)	Pond elevation/Dam elevation (ft)
				A	1	15	14	1047.0 / 1053.0
					2			
					5			
					10			
					25			
					50			
					100			

			15	Pond Identifier	Direct runoff from 1-year storm (C.F.)	H - Height of CPV above centroid from as-built (Ft.)	H - Height of CPV above centroid from original report (Ft.)	Routed Channel Protection Volume of pond from as-built (c.f.)	Diameter of CPV orifice from as-built (inches)	Diameter of CPV orifice from original report (inches)
				A						

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Pond Identifier	Required Water Quality volume of pond (if applicable) (c.f.)	H - Height of WQV above centroid from as-built (Ft.)	H - Height of WQV above centroid from original report (Ft.)	Actual Water Quality volume of pond (c.f.)	Diameter of WQV orifice from as-built (inches)	Diameter of WQV orifice from original report (inches)
A						

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Pond Identifier	50% Water Quality Elevation	100% Water Quality Elevation	Routed 1-year Elevation	Invert Elevation of 2-year outlet
A				

18 Water Quality volume provided is less than the required volume. Pond must be enlarged.

19 Channel Protection volume provided is less than the require volume. Pond must be enlarged. Two-year weir elevation must be equal to or higher than one-year routed elevation.

20 As-built Water Quality orifice not same as original study. Provide calculations to justify new size.

21 As-built Water Quality "H" not same as original study. Provide calculations to justify new "H".

22 As-built Channel Protection orifice not same as original study. Provide calculations to justify new size.

23 As-build Channel Protection "H" not same as original study. Provide calculations to justify new "H".

24 Freeboard is less than that required for embankments. Provide additional freeboard (1.5' for earthen and 0.5' for non-earthen).

25 Post-developed storm flows must not exceed pre-developed flows for 2,5,10,25-year storms.

Other Comments

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