

Date: 5/23/00
 Project No: 99-137
 Project Name: Norman Pointe Master Plan
 By: Tim McNaboe

BUILDING II STORMWATER POND CALCULATIONS

PROPOSED DRAINAGE AREA (Acres)

Total Area = 4.01
 Green Area = 0.85
 Imp. Area = 3.16

c = 0.83

REQUIRED PERMANENT POOL VOLUME (Drainage Area) x (0.21 Ft rainfall) x c

Volume = 30571 cubic feet

<u>POND CONTOUR (ELEV.)</u>	<u>AREA (SQ. FT.)</u>	<u>STORAGE VOLUME (CU. FT.)</u>
806	0	
808	1473	1473
810	3181	4654
812	5290	8471
813.5	7243	9400
814.5	10059	8651
		<hr/>
		32649 cubic ft. > 30571 cubic feet therefore pond O.K.

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BUILDING III STORMWATER POND CALCULATIONS

PROPOSED DRAINAGE AREA (Acres)

Total Area = 3.34
 Green Area = 0.83
 Imp. Area = 2.51

c = 0.81

REQUIRED PERMANENT POOL VOLUME (Drainage Area) x (0.21 Ft rainfall) x c

Volume = 24849 cubic feet

<u>POND CONTOUR (ELEV.)</u>	<u>AREA (SQ. FT.)</u>	<u>STORAGE VOLUME (CU. FT.)</u>
806	0	
808	1243	1243
810	2548	3791
812	4136	6684
814	5932	10068
815	8064	6998
		<u>28784</u>

28784 cubic ft. > 24849 cubic feet
 therefore pond O.K.

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BUILDING IV STORMWATER POND CALCULATIONS

PROPOSED DRAINAGE AREA (Acres)

Total Area = 2.92
 Green Area = 0.36
 Imp. Area = 2.56

c = 0.88

REQUIRED PERMANENT POOL VOLUME (Drainage Area) x (0.21 Ft rainfall) x c

Volume = 23564 cubic feet

<u>POND CONTOUR (ELEV.)</u>	<u>AREA (SQ. FT.)</u>	<u>STORAGE VOLUME (CU. FT.)</u>
809	0	
811	2136	2136
813	4595	6731
815	7357	11952
816	10898	9128
		<u>29947</u>

29947 cubic ft. > 23564 cubic feet
 therefore pond O.K.