



POND CROSS SECTIONAL VIEW  
N.T.S.

**DRAINAGE LEGEND**

- (A) 8" HDPE DOWNSPOUT STUB. SLOPE=0.5% MIN STUB INVERT=21.50
- (B) 18" RCP STORM PIPE INVERT=19.00
- (C) 18" INLINE DRAIN W/ 10" HDPE PIPE (UNLESS OTHERWISE NOTED). TOP INV.=23.00

**DRAINAGE SCHEDULE**

STRUCTURE NUMBER	STRUCTURE TYPE	TOP OR THROAT ELEV	INVERT ELEV	PIPE SIZE / TYPE	PIPE LENGTH	PIPE SLOPE
1-2	CATCH BASIN	21.50	18.25	18" HDPE	120'	0.2%
2-3	CATCH BASIN	21.50	18.00	18" HDPE	143'	0.2%
3-4	CATCH BASIN	21.50	17.20 (W) 17.70 (E)	24" HDPE	134'	0.2%
4-7	CATCH BASIN	21.50	16.95	24" HDPE	128'	0.2%
5-6	CATCH BASIN	21.25	18.00	18" HDPE	97'	0.2%
6-7	CATCH BASIN	21.50	17.70	18" HDPE	107'	0.2%
7-8	CATCH BASIN	23.25	16.20 (N) 16.70 (SW) 17.40 (SE) 19.25 (NE)	30" HDPE	76'	0.2%
8-9	CATCH BASIN	23.50	15.55 (N) 16.05 (S) 16.15 (E) 19.00 (SW)	36" HDPE	193'	0.2%
9-10	JUNCTION BOX	23.30	15.15 (S&E) 16.15 (W)	36" HDPE	235'	0.2%
10-11	JUNCTION BOX	23.30	14.70	36" HDPE	114'	0.2%
11	M.E.S.	-	14.50 (SUMP)	-	-	-
12	OUTLET CONTROL STRUCTURE #1 (SEE DETAIL ON C-08)	-	-	36" RCP	40'	1.0%
12-13	-	-	-	-	-	-
13	M.E.S.	-	13.00	-	-	-
14-15	CATCH BASIN	20.50	16.70	24" HDPE	141'	0.3%
15-16	CATCH BASIN	20.50	16.30	24" HDPE	100'	0.3%

**DRAINAGE SCHEDULE**

STRUCTURE NUMBER	STRUCTURE TYPE	TOP OR THROAT ELEV	INVERT ELEV	PIPE SIZE / TYPE	PIPE LENGTH	PIPE SLOPE
20	DRAIN BASIN	23.00	20.50	12" HDPE	92'	1.0%
20-21	-	-	-	-	-	-
21	DRAIN BASIN	23.00	19.60	12" HDPE	44'	1.0%
21-23	-	-	-	-	-	-
22	DRAIN BASIN	23.00	20.50	12" HDPE	92'	1.5%
22-23	-	-	-	-	-	-
23	DRAIN BASIN (SOLID TOP)	24.25	19.15	18" HDPE	100'	1.0%
23-25	-	-	-	-	-	-
24	DRAIN BASIN	23.00	20.50	12" HDPE	81'	1.0%
24-25	-	-	-	-	-	-
25	DRAIN BASIN	23.00	17.65 (N) 18.15 (W) 19.50 (S)	24" HDPE	25'	0.5%
25-26	-	-	-	-	-	-
26	DRAIN BASIN	23.00	17.50	24" HDPE	168'	0.5%
26-27	-	-	-	-	-	-
27	DRAIN BASIN	23.00	16.65	24" HDPE	95'	0.5%
27-9	-	-	-	-	-	-
28	DRAIN BASIN	23.00	20.50	12" HDPE	50'	3.0%
28-8	-	-	-	-	-	-
29	DRAIN BASIN	23.00	20.50	12" HDPE	92'	1.0%
29-30	-	-	-	-	-	-
30	DRAIN BASIN	23.00	19.60	12" HDPE	44'	1.0%
30-31	-	-	-	-	-	-
32	DRAIN BASIN	23.00	20.50	12" HDPE	92'	1.5%
32-33	-	-	-	-	-	-
33	DRAIN BASIN (SOLID TOP)	24.25	19.15	18" HDPE	100'	1.0%
33-8	-	-	-	-	-	-

VERTICAL DATUM IS NAVD88  
DATUM CONVERSION:  
NGVD29 - 1.39' = NAVD88



**BERRY ENGINEERS LLC**  
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 CERTIFICATE OF AUTHORIZATION #0838

**HUTTON ROCKLEDGE MF LLC**  
 736 CHERRY STREET  
 CHATTANOOGA, TN 37402

**ROCKLEDGE FLATS**  
 190 BARTON BLVD  
 ROCKLEDGE, FL

BENJAMIN M. BERRY  
 LICENSE # 76350  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

REVISIONS	
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SHEET NAME: SITE GRADING & DRAINAGE PLAN  
 DATE: 11/01/2019  
 DRAWN BY: JDS  
 CHECKED BY: BMB  
 PROJECT NO: 19018  
 SHEET NUMBER: **C-03**