

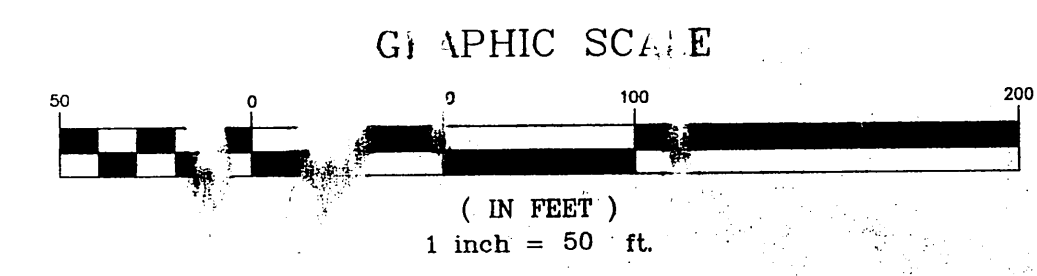
NO.	DATE	DESCRIPTION
1	4/27/04	REVISED PER SURVIVOR COMMENTS
2	4/28/04	REVISED PER SURVIVOR COMMENTS
3	1/28/05	REVISED ENTRY 80

DESIGNED BY: PLB
 DRAWN BY: SS, SM, AK
 CHECKED BY: VJD
 SCALE: 1" = 50'
 DATE: JULY, 2003
 PROJ. NO.: 0205-280

Hill, Boring, Dunn & Associates, Inc.
 CIVIL ENGINEERS / LAND PLANNERS
 7950 BELFORT PARKWAY, SUITE 1800
 JACKSONVILLE, FLORIDA 32256
 904-281-1121

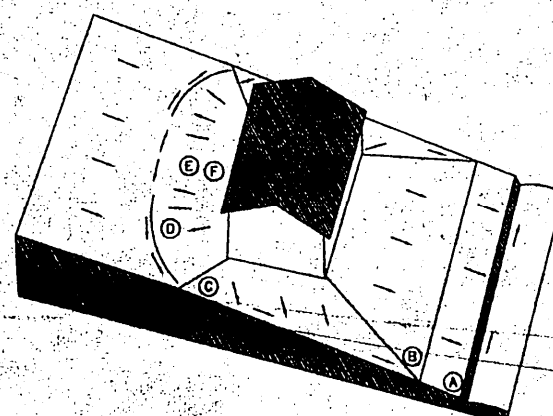
BRADY POINT PRESERVE
 FOR:
BRADY POINT PRESERVE, LLC
 MASSA COUNTY, FLORIDA
 PAVING AND DRAINAGE PLAN

FILE:
PD-1
 DWG. NO.
 SHEET 14 OF 40

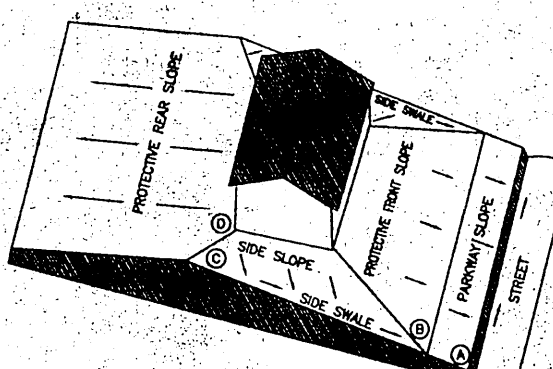


LEGEND

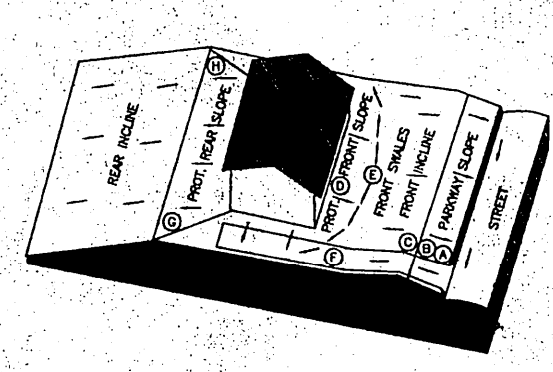
[Hatched Box]	= UPLAND BUFFER / CONSERVATION
[White Box]	= CONSERVATION
[Downward Arrow]	= WETLAND
[Cross-hatched Box]	= WETLAND IMPACT



LOT GRADING TYPE "A"
 ALL DRAINAGE FROM REAR LOT LINE TO STREET



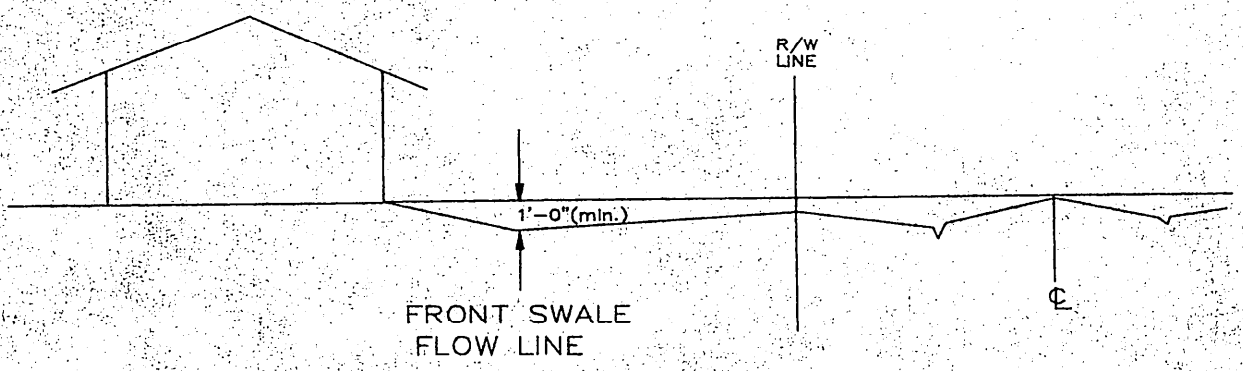
LOT GRADING TYPE "B"
 DRAINAGE BOTH TO STREET AND TO REAR LOT LINE



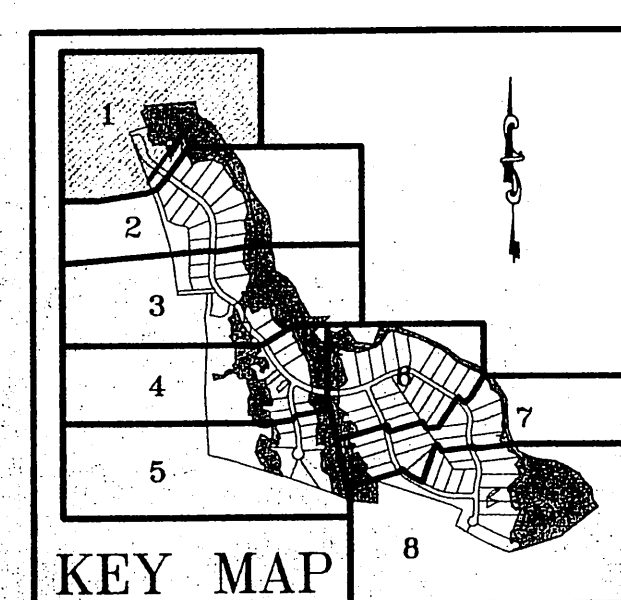
LOT GRADING TYPE "C"
 ALL DRAINAGE TO REAR LOT LINE

LOT/BLOCK GRADING NOTES

F.F. EL. DENOTES FIN. FINISHED FLOOR ELEVATION AND APPROXIMATE BUILDING LOCATION (SEE FINISHED FLOOR TABLE THIS SHEET)
 2 DENOTES LOT NUMBER BY PLAT
 EXACT LOCATION OF SWALES SHALL BE DETERMINED WHEN THE SIZE AND LOCATION OF BUILDINGS ARE SET (BY OTHERS).
 ALL PROPERTY CORNER ELEVATIONS SHOWN THIS SHEET SHALL BE AS FOLLOWS:
 Back lot corner elevations are at natural ground unless where there is required to obtain a min. 1% yard slope.
 Front lot corners at 1/4" line shall be a min. +2% slope or max. -2% slope from top of curb.



DRIVEWAY DETAIL FOR TYPE C LOT GRADING
 N.T.S.



KEY MAP

DRAINAGE STRUCTURE SCHEDULE								
STR. NO.	STRUCT. TYPE	TOP EL.	INVERT ELEVATION			DRAIN AREA (ACRES)		
			N	S	E	W		
1	TYPE "C"	7.40	-	4.75	-	N/A	0.30	
2	TYPE "C"	8.00	4.64	-	3.89	-	N/A	1.99
3	TYPE "E"	8.00	3.56	2.56	-	-	N/A	1.76
4	TYPE "C"	7.40	-	-	-	4.15	N/A	0.42
5	TYPE "E"	7.40	2.06	2.06	4.00	-	N/A	2.83
6A	MH	8.40	2.06	1.41	-	-	N/A	0.00
6B	MH	8.00	1.91	1.83	-	-	N/A	0.00
7	TYPE "C"	7.30	-	-	-	3.30	N/A	0.44
7A	TYPE "C"	7.30	3.24	-	3.24	-	N/A	0.15
8	TYPE "C"	7.30	1.83	-	1.79	1.83	N/A	0.28
9	TYPE "H"	8.50	-	0.79	1.79	-	N/A	4.40
10	MH	8.00	0.73	0.73	-	-	N/A	0.00
10A	MH	8.00	-	0.68	-	-	N/A	-
11	MES	-	0.68	0.67	-	-	N/A	0.00
12	TYPE "C"	7.00	-	-	-	4.75	N/A	1.42
13	TYPE "E"	9.40	-	-	-	4.41	4.66	2.17
14	MES	-	-	-	-	4.04	N/A	0.00
15	TYPE "C"	7.5	4.00	-	-	-	N/A	2.35
16	TYPE "C"	6.5	3.40	-	-	-	N/A	2.67
17	MH	8.20	-	3.09	-	3.09	N/A	0.00
18	MES	-	-	-	-	3.02	N/A	0.00
19	TYPE "E"	7.20	-	3.85	-	-	N/A	2.42
20	MES	-	3.33	-	-	-	N/A	0.00
21	TYPE "E"	8.20	-	-	-	4.70	N/A	3.28
22	MH	8.60	-	4.28	-	4.25	N/A	0.00
23	MES	-	3.65	-	-	-	N/A	0.00
24	MES	-	-	-	-	5.30	N/A	0.00
25	MH	7.90	-	5.18	-	5.18	N/A	0.00
26	MH	7.80	4.94	-	4.94	-	N/A	0.00
27	MES	-	-	-	-	4.68	N/A	0.00
28	2-MES(24")	-	6.10	-	-	-	N/A	0.00
29	2-MES(24")	-	6.00	-	-	-	N/A	0.00
30	3-MES(24")	-	5.90	-	-	-	N/A	0.00
31	3-MES(24")	-	5.70	-	-	-	N/A	0.00
32	3-MES(24")	-	5.90	-	-	-	N/A	0.00
33	3-MES(24")	-	5.70	-	-	-	N/A	0.00
34	CONTROL STRUCTURE	-	-	-	-	-	-	SEE DETAIL DWG. NO. PDD-2
35	MES(15")	8.32	-	5.70	-	-	N/A	0.19
36	MES(15")	8.22	5.70	-	-	-	N/A	0.00

SCHEDULE OF PIPES						
STRUCT. NO. TO STRUCT. NO.	LEN. FT.	SIZE IN.	TYPE	UP STREAM E.	DOWN STREAM E.	SLOPE (%)
1 - 2	50	15	RCP	4.75	4.64	0.23
2 - 3	273	24	RCP	3.89	3.56	0.12
3 - 5	209	36	RCP	2.56	2.43	0.06
4 - 5	64	15	RCP	4.15	4.00	0.23
5 - 6A	319	36	RCP	2.25	2.06	0.06
6A - 6B	250	36	RCP	2.06	1.91	-0.08
6B - 8	140	36	RCP	1.91	1.83	0.06
7 - 7A	50	24	RCP	3.30	3.24	0.12
7A - 8	70	24	RCP	3.24	3.16	0.12
8 - 9	80	36	RCP	1.83	1.79	0.06
9 - 10	170	48	RCP	0.79	0.73	0.04
10 - 10A	107	48	RCP	0.73	0.68	0.04
10A - 11	30	48	RCP	0.68	0.67	0.04
12 - 13	40	15	RCP	4.75	4.66	0.23
13 - 14	221	18	RCP	4.41	4.04	0.18
15 - 16	56	15	HDPE	4.0	3.90	0.18
16 - 17	255	24	RCP	3.40	3.09	0.12
17 - 18	64	24	RCP	3.09	3.02	0.12
19 - 20	270	15	RCP	3.95	3.33	0.23
21 - 22	248	18	RCP	4.70	4.25	0.18
22 - 23	90	18	HDPE	3.75	3.65	0.12
24 - 25	108	18	RCP	5.30	5.18	0.18
25 - 26	216	18	RCP	5.18	4.94	0.18
26 - 27	242	18	HDPE	4.94	4.68	0.09
28 - 29	80(2)	24	RCP	6.10	6.00	0.12
30 - 31	82(3)	24	RCP	5.90	5.70	0.12
32 - 33	80(3)	24	RCP	5.90	5.70	0.12
35 - 36	84	15	RCP	8.32	8.22	0.12

PROJECT LIES IN FLOOD ZONE X, AE AND VE PER FEMA PANELS; COMMUNITY PANEL NUMBERS 120170 0360 C AND 120170 0380 c PNALES 360 OF 525 AND 380 OF 525 MAP REVISED MAY 4, 1988



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