

Victoria + John  
Newman  
966-0503  
610 Bunkerwood

**LEGEND**

EXISTING

- RIGHT-OF-WAY
- ADJACENT LOT LINE
- POTABLE WATER MAIN
- FIRE HYDRANT ASSEMBLY
- SANITARY MAIN (GRAVITY)
- SANITARY FORCE MAIN
- STORM PIPING W/M.E.S.
- TOP OF BANK
- TOP OF SLOPE
- DRAINAGE DITCH
- SIDEWALK W/CONTROL JOINTS
- ROADWAY CENTER LINE
- ASPHALT PAVEMENT

PROPOSED

- PROPERTY LINE
- RIGHT-OF-WAY
- LOT/UNIT LINE
- BUILDING SETBACK
- CURB INLET AND STORM PIPE
- O.C.S. AND OUTFALL PIPE
- JUNCTION BOX & STORM PIPE
- SIDEWALK W/CONTROL JOINTS
- ASPHALT PAVEMENT

**KEY TO SECTION**

LETTER DENOTES SECTION

NUMBER DENOTES SHEET SECTION IS DETAILED ON

**STORM STRUCTURE DATA**

C.I. #	RIM ELEV.	N. INV.	S. INV.	E. INV.	W. INV.
C.I. #1	NO LID	-	-	+2.62	+2.72
C.I. #2	+5.22	+2.31	-	+2.62	+2.32
C.I. #3	+5.20	+2.50	-	-	-
C.I. #4	+5.11	-	+2.48	+2.43	+2.54
C.I. #5	+5.60	+3.15	-	-	-
C.I. #6	+5.76	-	+3.07	+3.06	-
C.I. #7	+3.69	-	+0.70	-	+0.67
C.I. #8	+3.65	-	-	+0.65	+0.59
D.B.I. #1	+3.07	+1.98	-	-	+0.62
D.B.I. #2	+2.82	+0.39	+0.39	-	-
D.B.I. #3	+3.18	+0.52	+0.38	-	-
D.B.I. #4	+3.13	+0.23	+0.36	+2.04	-
D.B.I. #5	+2.79	+0.05	+0.07	-	-
D.B.I. #6	+2.71	+0.04	+0.20	-	-
D.B.I. #7	+2.95	-2.78	-2.49	+1.66	-
D.B.I. #8	+3.13	+0.58	-	+2.13	-
D.B.I. #9	+3.04	-	+0.40	+0.23	+1.84
D.B.I. #10	+2.41	-	+0.40	-	+0.55
D.B.I. #11	+3.39	-	+0.14	-0.05	+0.63
D.B.I. #12	+2.69	-	-	-0.25	-0.12
D.B.I. #13	+2.90	+1.81 *	-	-0.26	-0.21
D.B.I. #14	+3.86	+2.76 *	-	-0.17	-0.06
D.B.I. #15	+4.74	-	-0.28	-	-0.10
D.B.I. #16	+5.32	-0.61	+1.62	-	+2.04
D.B.I. #17	+3.10	+1.27	-	-	-
D.B.I. #18	+3.32	+1.46	+1.63	-	-
D.B.I. #19	+3.97	+1.40	+1.48	-	-
J.B. #1	+5.41	-	+2.05	+1.99	+2.05
J.B. #2	+6.31	-0.14	-3.30	-	+0.12
O.C.S. #1	+4.88	-	-	-	+2.05

NOTE:  
(\*) DENOTES A SLOT IN THAT PARTICULAR STRUCTURE AND THE INVERT OF THE SLOT. SEE MODIFIED DITCH BOTTOM INLET DETAIL ON SHT #12 FOR D.B.I. #1, 4, 7, 8, 9, 13 & 14

**STORM PIPE DATA**

CULVERT #	DIAMETER	LENGTH	PIPE SLOPE
S-1	30" P.V.C.	24 LF	0.455 %
S-2	19" x 30" R.C.P.	222 LF	0.138 %
S-3	14" x 23" R.C.P.	32 LF	0.357 %
S-4	12" P.V.C.	11 LF	11.875 %
S-5	19" x 30" R.C.P.	244 LF	0.125 %
S-6	14" x 23" R.C.P.	32 LF	0.357 %
S-7	14" x 23" R.C.P.	32 LF	0.185 %
S-8	12" x 18" R.C.P.	35 LF	0.357 %
S-9	14" x 23" R.C.P.	18 LF	1.687 %
S-10	14" x 23" R.C.P.	32 LF	0.357 %
S-11	24" P.V.C.	45 LF	0.122 %
S-12	24" P.V.C.	80 LF	0.135 %
S-13	24" P.V.C.	99 LF	0.103 %
S-14	24" P.V.C.	101 LF	0.103 %
S-15	24" P.V.C.	100 LF	0.103 %
S-16	24" P.V.C.	100 LF	0.103 %
S-17	24" P.V.C.	53 LF	0.100 %
S-18	19" x 30" R.C.P.	92 LF	0.093 %
S-19	14" x 23" R.C.P.	54 LF	0.192 %
S-20	19" x 30" R.C.P.	151 LF	0.137 %
S-21	30" P.V.C.	127 LF	0.167 %
S-22	15" P.V.C.	97 LF	0.266 %
S-23	30" P.V.C.	100 LF	0.103 %
S-24	30" P.V.C.	100 LF	0.103 %
S-25	30" P.V.C.	101 LF	0.103 %
S-26	30" P.V.C.	203 LF	0.074 %
S-27	30" P.V.C.	64 LF	0.152 %
S-28	24" P.V.C.	14 LF	0.938 %
S-29	18" P.V.C.	93 LF	0.161 %
S-30	18" P.V.C.	104 LF	0.155 %
S-31	18" P.V.C.	86 LF	0.181 %

**MAINTENANCE & OPERATION INSTRUCTIONS FOR THE STORMWATER FACILITY**

- DURING THE RAINY SEASON (MAY 1-NOV 31), PERFORM A VSI A MINIMUM OF ONCE EVERY MONTH AND AFTER EVERY MAJOR STORM OCCURRENCE (i.e. HURRICANE, TROPICAL STORM, NO-NAME STORM, etc.). A VSI CHECKLIST SHOULD BE PROPERLY FILLED OUT AND RECORDED AT THIS TIME.
- DURING THE DRY SEASON (DEC 1 - APRIL 31), PERFORM A VSI A MINIMUM ONCE EVERY TWO MONTHS AND AFTER EVERY MAJOR STORM OCCURRENCE (i.e. HURRICANE, TROPICAL STORM, NO-NAME STORM, etc.). A VSI CHECKLIST SHOULD BE PROPERLY FILLED OUT AND RECORDED AT THIS TIME.
- THE FILTRATION SYSTEM IS TO BE CLEANED OUT AT THE BEGINNING AND END OF EACH RAINY SEASON AND THE UNDERDRAIN CLEANED AS NECESSARY.
- THE OUTFALL STRUCTURE(S) IS TO BE CHECKED THOROUGHLY FOR THE ACCUMULATION OF SEDIMENT, CORROSION, CRACKING OR OTHER DAMAGE. THE STRUCTURE(S) SHOULD BE CLEANED AND/OR REPLACED IF NECESSARY. THIS SHOULD BE DONE AT THE BEGINNING OF EACH RAINY SEASON.
- A MINIMUM SOD HEIGHT OF 1-1/2 INCHES ON THE SIDE SLOPES OF ALL INFLOW SWALES AND DITCHES WILL BE MAINTAINED YEAR ROUND IN ORDER TO PREVENT THE DUMPING OF SEDIMENT AND SUSPENDED SOLIDS INTO THE RETENTION POND THUS ACTING AS A SEDIMENT TRAP.
- REMOVE ANY GROWTH AND/OR PLANTING OF SPECIES OF PLANT, SHRUBBERY, TREE, etc. IN AND AROUND THE CONTROL STRUCTURE (5' RADIUS) WHOSE ROOT SYSTEM WOULD SIGNIFICANTLY CLOG THE OUTFALL CONTROL STRUCTURE.
- CONTACT THE ENGINEER OF RECORD PRIOR TO THE BEGINNING OF ANY TYPE OF CONSTRUCTION IN AND AROUND THE STORMWATER DISCHARGE FACILITY.
- CONDUCT A MONTHLY VISUAL INSPECTION OF THE OUTFALL DITCH FROM THE O.C.S. TO THE POINT OF DISCHARGE. CHECK FOR EXCESSIVE VEGETATION, DEBRIS, OR OTHER OBSTACLES WHICH COULD IMPAIR DISCHARGE CAPACITY. IF EXCESSIVE VEGETATION OR DEBRIS IS NOTED, MAKE ARRANGEMENTS TO HAVE THE DITCH MAINTAINED AND ITEMS REMOVED. CHECK THE DISCHARGE PIPE AT THE DOWNSTREAM END OF THE DITCH FOR OBSTACLES, SEDIMENTATION AND OTHER DAMAGE. CONTACT PUBLIC WORKS DEPT. IF ANY ITEMS ARE NOTED.

**GENERAL NOTES**

LETTER DENOTES SECTION

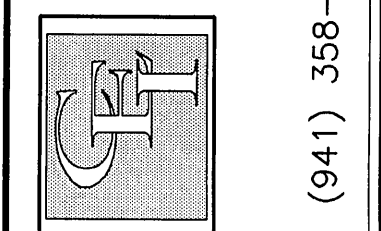
NUMBER DENOTES SHEET SECTION IS DETAILED ON

**KEY TO SECTION**

**ADDITIONAL PLAN NOTES/SUPPLEMENTAL INFORMATION**

- SEE SHEET #3 FOR DEVELOPMENT DATA AND HORIZONTAL CONTROL PLAN.
- SEE SHEET #4 FOR PROPOSED WATER AND SEWER LAYOUT.
- SEE SHEET #5 FOR MASTER STORMWATER PLAN AND SHEET #6 FOR DRAINAGE/GRADING PLAN.
- SEE SHEET #7 FOR EXISTING TREES, BEST MANAGEMENT CONTROL PRACTICES AND SE&C DEVICES/PLAN.
- EXISTING OVERHEAD UTILITIES AND POLES TO BE REMOVED BY FP&L, AND LINES RELOCATED FOR UNDERGROUND SERVICE.
- ALL CONSTRUCTION TO BE PERFORMED AND CONSTRUCTED IN ACCORDANCE WITH THE PERTINENT TOWN OF LONGBOAT CITY STANDARDS.
- SEE SHEETS #13, #14 AND #15 FOR PLAN AND PROFILES OF WATER AND SEWER LINES.
- EXISTING WATER SERVICES (S), CONNECTED TO EXISTING 2" WATER MAIN TO BE RECONNECTED TO PROPOSED 8" WATER MAIN. THE EXISTING 2" WATER MAIN IS TO BE REMOVED AS SHOWN.

**CYRIX ENGINEERING, INC.**  
Engineers & Surveyors  
1144 Tallevast Rd., #1111  
Sarasota, Fla 34243



PROJECT NO. 070330  
DRAWN BY J.M.P.  
CHECKED BY J.M.P.  
DATE 01 APRIL 2004

REVISIONS

EXTENDED TOWN & BRANCH PER I.L.B.C.	DATE	BY
CHANGES PER TOWN OF LONGBOAT ACT	9 JUN 04	J.M.P.
ADDED LOCATION OF FRANCHISE UTILITIES	28 JUN 04	J.M.P.
	28 JUN 08	J.M.P.

SEAL: J. Mark Privette PE, No. 43394, State of Florida, dated MAY 19 99.

**COQUINA BEACH SUBDIVISION**

**OVERALL STORMWATER PLAN**

**SHEET 5**

OF 16