

**LEGEND**  
 RECORD DRAWINGS  
 PRE-DESIGN SPOT GRADE  
 PROPOSED SPOT GRADE  
 AS-BUILT SPOT GRADE  
 AS-BUILT SWALE GRADES (TOP/FL/TOP)  
 AS-BUILT SWALE GRADES (TOB/FL/TOB)

NOTE: BUILDING PADS WERE NOT FILLED TO FINISHED PAD GRADES AT TIME OF FIELD SURVEY.

**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	-	-	+2.32
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	+1.88	-	-	+0.62
D.B.I. #2	+2.82	+0.38	+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	+2.85	-2.78	-2.49	+1.68	-
D.B.I. #8	+3.13	+0.55	-	-	+2.13
D.B.I. #9	+3.04	-	+0.40	+0.23	+1.84
D.B.I. #10	+2.41	-	-	+0.55	-
D.B.I. #11	+3.39	-	+0.14	-0.05	+0.63
D.B.I. #12	+2.68	-	-0.26	-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	+6.37	-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	0.485 %
S-2	18" x 30" R.C.P.	222 LF	0.138 %
S-3	14" x 23" R.C.P.	32 LF	0.367 %
S-4	12" P.V.C.	11 LF	11.875 %
S-5	10" x 30" R.C.P.	240 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	1.667 %
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.	120 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.	83 LF	0.161 %
S-30	18" P.V.C.	104 LF	0.155 %
S-31	18" P.V.C.	86 LF	0.181 %

- 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 F&L, AND LINES RELOCATED FOR UNDERGROUND SERVICE.
  - ALL CONSTRUCTION TO BE PERFORMED AND CONSTRUCTED IN ACCORDANCE WITH THE PERTINENT TOWN OF LONGBOAT KEY 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.

**KEY TO SECTIONS**

LETTER DENOTES SECTION  
 NUMBER DENOTES SHEET SECTION IS CUT ON

**CROSS-SECTION DESIGNATION**  
 SECTION-CUT DESIGNATION

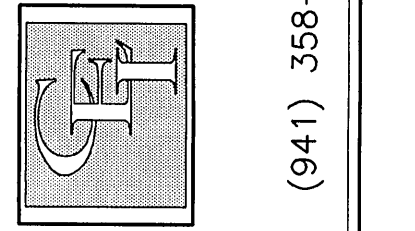
NOTE: GRADES SHOWN ON TYPICAL CROSS SECTIONS ARE SPECIFIC TO THE LOCATION OF THE SECTION CUT SHOWN ON SHEET #5 OF 15.

**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.  
 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

**CYRIX ENGINEERING, INC.**  
 Engineers & Surveyors  
 1144 Tallevast Rd., #111  
 Sarasota, Fla 34243



PROJECT NO. 04050  
 CHECKED BY J.M.P.  
 DRAWN BY G.R.S.  
 DATE 01 APRIL 2004

REVISIONS  
 1. DATE 04  
 2. DATE 04  
 3. DATE 04  
 4. DATE 04

CHANGES PER TOWN COMMENTS  
 CHANGES PER TOWN OF LONGBOAT KEY

SEAL: J. Mark Privette, PE, Fl. Reg. # 43394  
 DATE: \_\_\_\_\_

**COQUINA BEACH SUBDIVISION**

OVERALL LOT GRADING PLAN

SHEET 6 OF 16