

**DOWN
Construction
Preliminary Data
Cocoa High School**

**Aquifer System Monitor Wells:
Surficial BR -1550
Intermediate BR -1549
Floridan BR-1557**

SJRWMD Program No. 31-58200

**Division of Ground Water Programs,
Department of Resource Management
St. Johns River Water Management District
Palatka, Florida**

November 4, 1999

*All data, figures, tables and information are provisional and generated
for the Division of Ground Water Program's use.*

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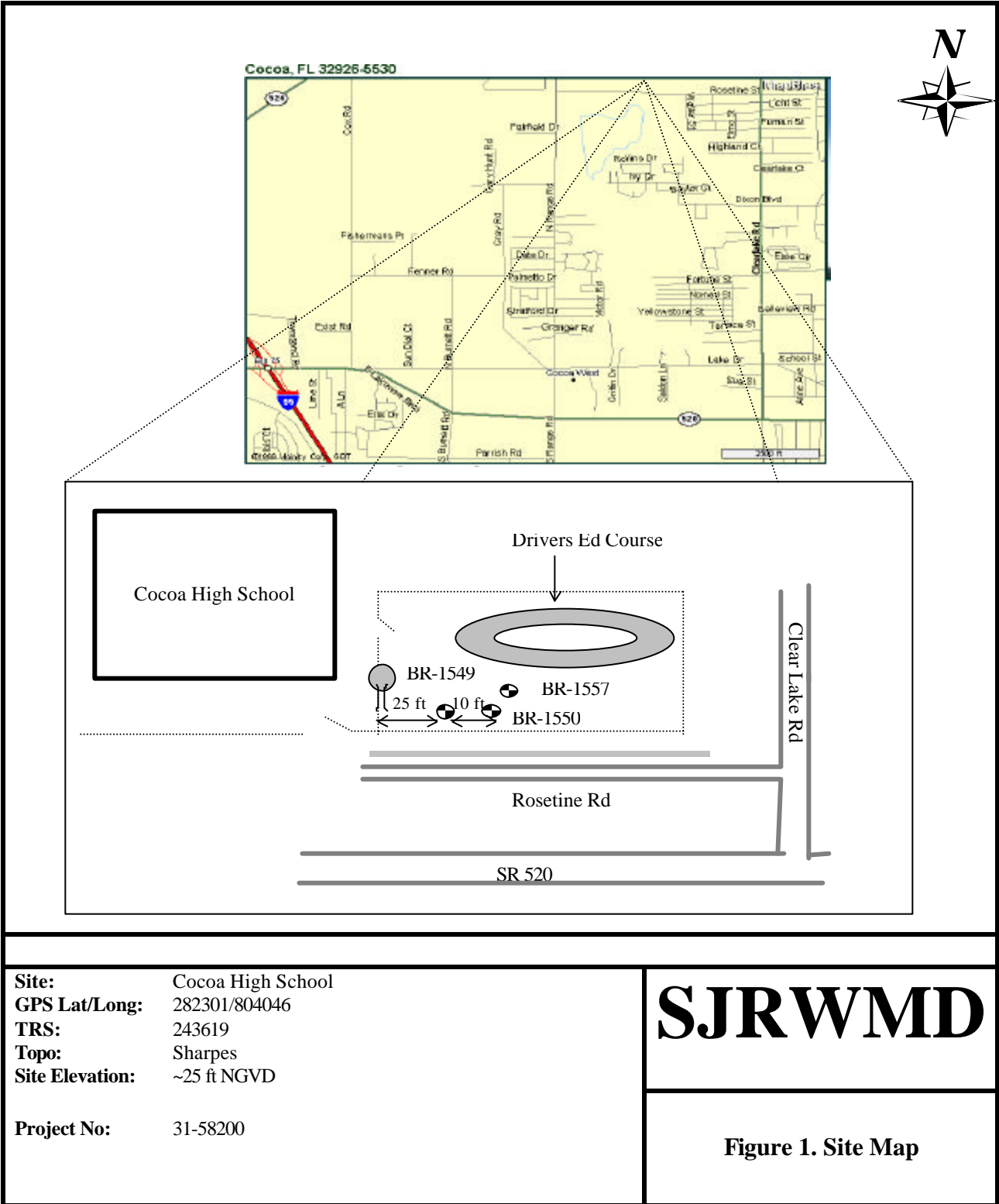
Asbuilts

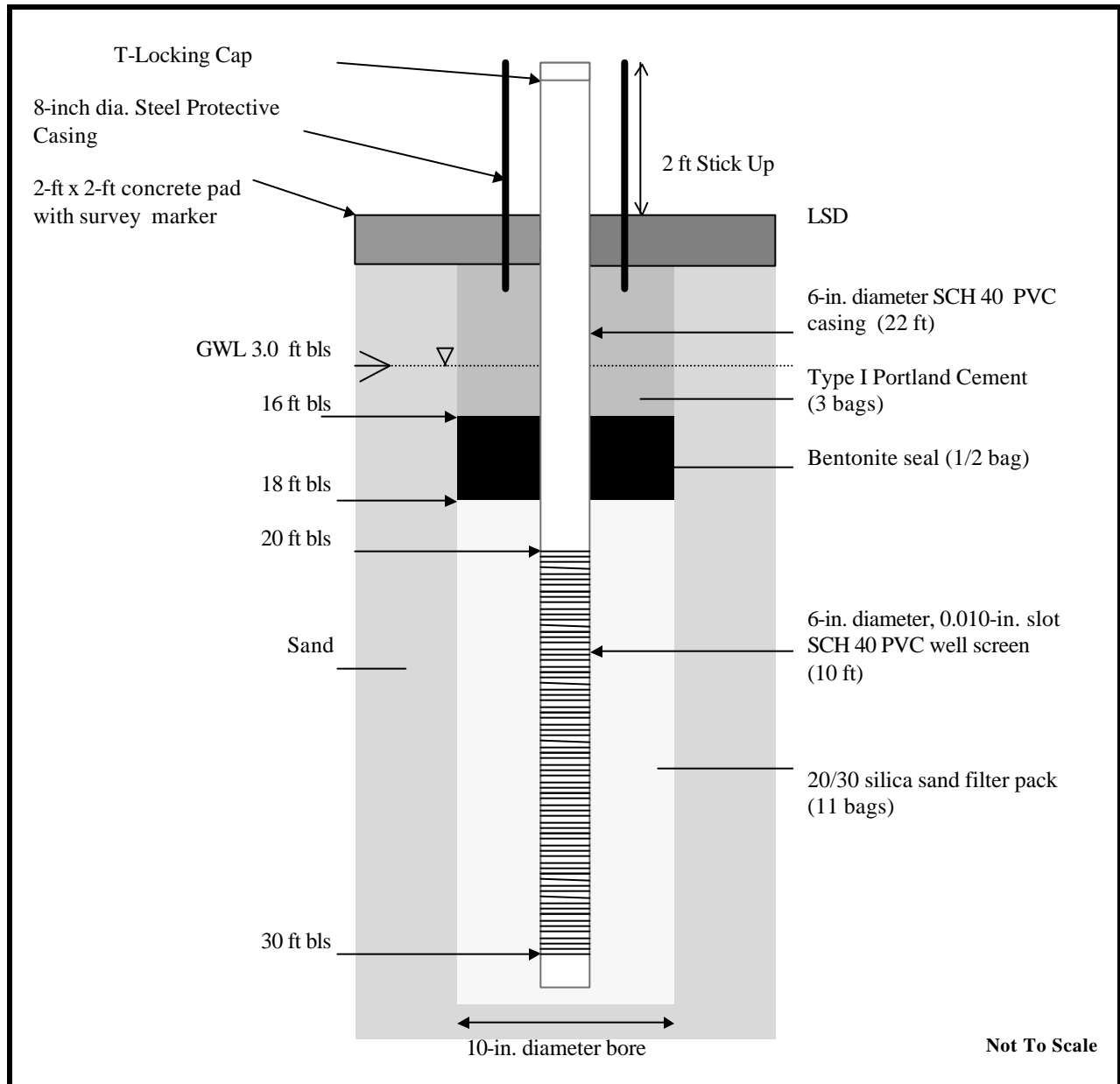
Water Levels

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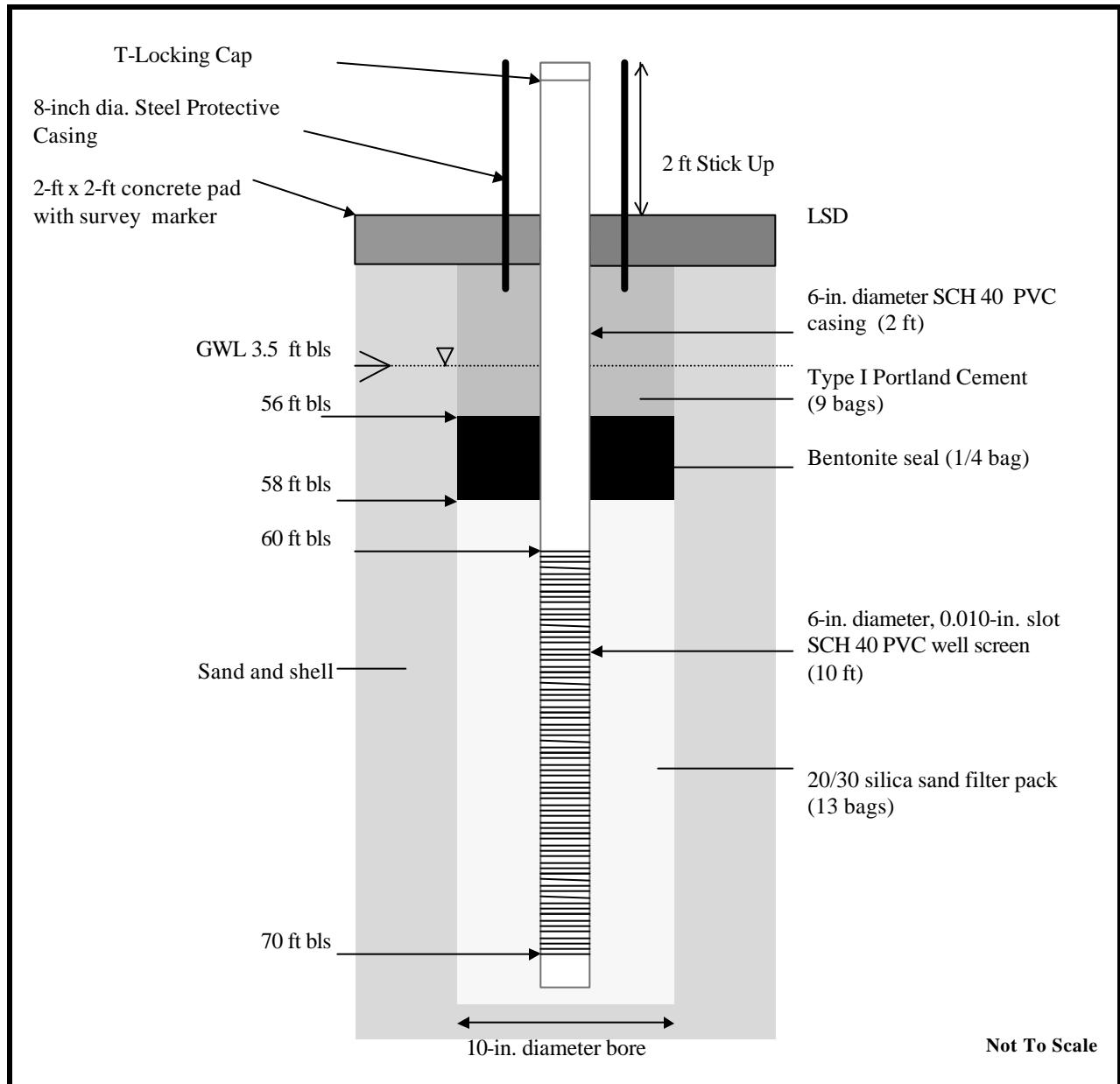
Site: Cocoa High School

Driller: Huss Drilling Inc.

Well Completed: August 1, 1996

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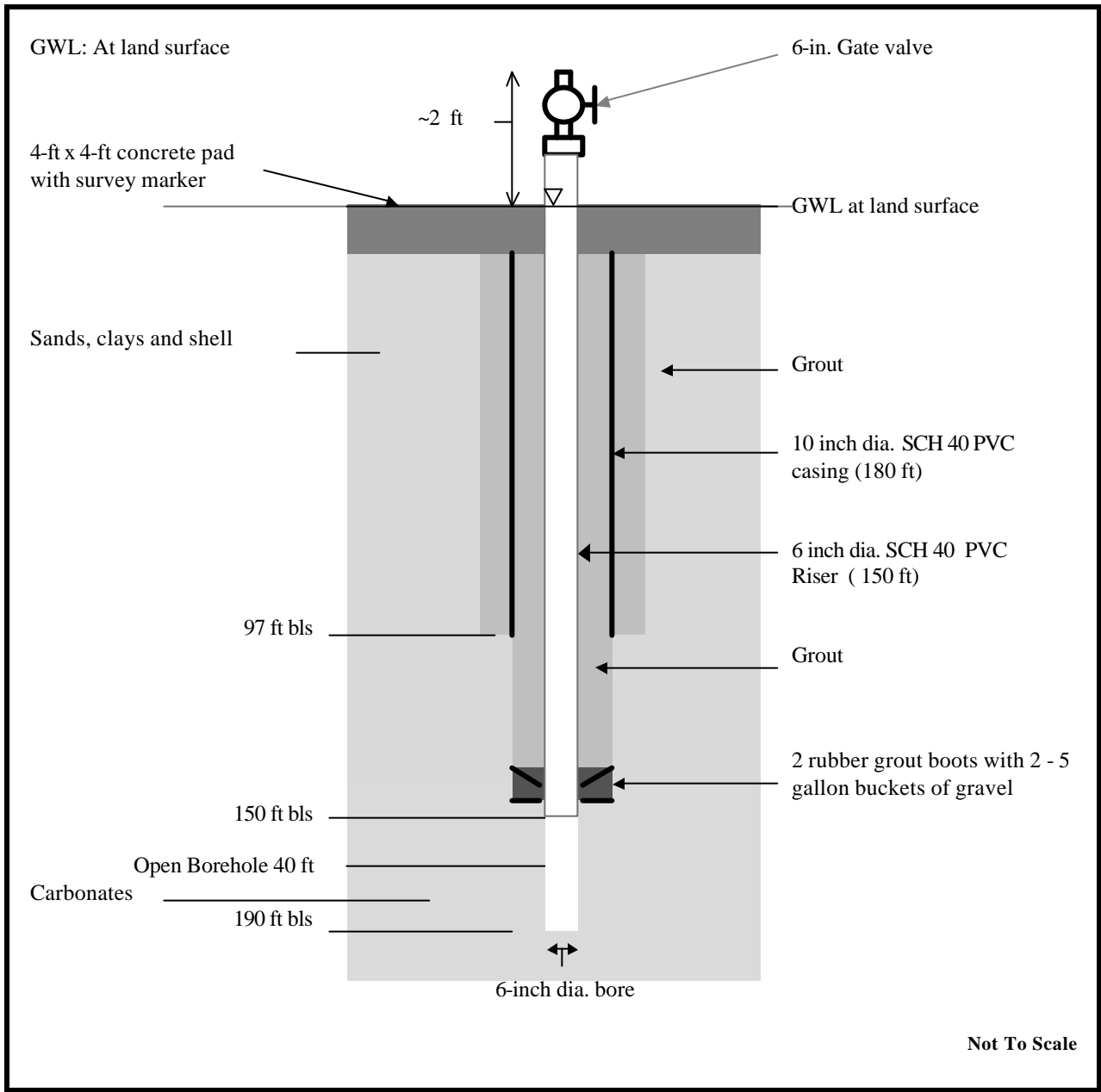
Figure 2. Surficial Monitor Well BR-1550



Site: Cocoa High School
Driller: Huss Drilling Inc.
Well Completed: August 1, 1996

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Figure 3. Intermediate Monitor Well BR-1549



Site: Cocoa High School
Driller: SJRWMD
Well Completed: August 29, 1996

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Figure 4. Floridan Monitor Well BR-1557

Table 1. Groundwater Levels

Site: Cocoa High School

Hydrologist: R. Brooks, A. Story

Date/Time (yymmdd/hhmm)	Well Number	Sample Depth (ft, bls)	Open Hole (ft, bls)	Screen Interval (ft, bls)	Depth to Water (ft, bls)
960802/1253	BR-1550	30	-	20-30	3.0
960802/1250	BR-1549	70	-	60-70	3.5
960829/NR	BR-1557	190	40	-	0

Table 2. Groundwater Quality After Well Completion

Site: Cocoa High School

Hydrologist: R. Brooks, A. Story

LAB ✓	Date/Time (yymmdd/hhmm)	Well Number	Sample Depth (ft, bls)	Open Hole (ft, bls)	Screen Interval (ft, bls)	Temp (Deg C)	pH	Chlorides (mg/L)	Conductivity (us/cm)
✓	960802/0815	*BR-1550	30	-	20-30	30	5.8	NR	135
✓	960802/1135	**BR-1549	70	-	60-70	26	8.4	NR	6,965
✓	960829/1051	BR-1557	190	40	-	28.5	NR	1675	5,730

*Well developed for 37 mins. at 15 gpm; pumping waterlevel 10.6 ft bls.

** Well developed for 164 mins. at 12 gpm; pumping waterlevel 15.3 ft bls.

Table 3.**Grout Data**Site: Cocoa High SchoolWell Number: BR-1557

DATE	TAG DEPTH (ft bls)	ANNULUS/ BORE (inch dia.)	VOLUME (BAGS)	GROUT/ MATERIAL	COMMENTS
8/21/96	97	A-15	35 bags	grout	Tremie grout 97 ft of 10 inch dia. PVC casing
8/22/96	2	A-15	NA	NA	NA
8/26/96	150	A-10	2-5 gallon buckets 11 bags	gravel grout	Set 150 ft of 6 inch dia. PVC casing with two rubber packers
8/27/96	90	A-10	20 bags	grout	Tremie grout 6 inch dia. casing
8/28/96	0	A-10	NA	NA	6 inch dia. casing grouted to surface
9/4/96	2	A-15	2 bags	grout	10 inch dia. PVC casing grouted to surface

Lithologic Description

Site: Cocoa High School

Well ID: BR-1549

Samples Described By: R. Brooks

From (ft)	To (ft)	Lithology
4	6	Sand, dark gray, fine to medium, organic
9	11	Sand, brown to dark gray, fine to medium
14	16	Sand, light brown, fine to medium
19	21	Same as above (SAA)
24	26	SAA
29	31	SAA
34	36	Sand, light brown, fine
39	41	Sand, light brown, medium to coarse
44	45	Sand, dark gray, very fine to silty
45	46	Shell hash, light greenish gray, sandy
49	51	Sand, light greenish gray, silty to medium, with shell hash (less shell hash than above), phosphate specs
54	56	Sand, very light greenish gray, silts and shell, cemented to partially cemented, phosphate specs
59	61	SAA
64	66	Sand, gray, medium, with fine to medium shell fragments
69	71	Sand, very light greenish gray, silts and shell, cemented to partially cemented
74	76	Sands, very light greenish gray, silty to very fine, with very fine shell fragments, phosphate specs
79	81	Sand, very light greenish gray, silts and shell, cemented to partially cemented, phosphate specs
84	86	Sand, gray, very fine to fine, with fine shell fragments
89	91	Clay, light greenish gray, semi stiff

Lithologic Description

Site: Cocoa High School

Well ID: BR-1557

Samples Described By: A. Story

From (ft)	To (ft)	Lithology
0	10	Sand, dark gray
10	30	Sand, dark to light brown
30	45	Sand, gray silty
45	90	Sand, shell and clay, gray
90	97	Shell, silts and clay
97	98	Sandstone, gray
98	123	Sandstone, gray and fine sand
123	140	Limestone, gray, dolomitic, sandy, phosphatic
140	150	Limestone, pale orange
150	190	SAA