

SAFETY ON THIS JOB DEPENDS ON YOU

REVISIONS			
NO	SYM	ZONE	DATE

Hole No. CB-12

DRILLING LOG		INSTALLATION	
1. PROJECT: St. Lucie Inlet	2. LOCATION: Jacksonville District	10. SIZE AND TYPE OF BIT: See Remarks	11. DATE FOR ELEVATION SHOW (FRM WMS): MLW
3. DRILLING AGENCY: Corps of Engineers	4. HOLE NO. (As shown on drawing title and the number): CB-12	12. MANUFACTURER'S DESIGNATION OF DRILL: Falling 1500	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN: 1
5. NAME OF DRILLER: J. Detloff	6. DIRECTION OF HOLE: Vertical	14. TOTAL NUMBER CORE BOXES: 1	15. ELEVATION GROUND WATER: Tidal
7. THICKNESS OF OVERBURDEN: 0.8'	8. DEPTH DRILLED INTO ROCK: 9.8'	16. DATE HOLE STARTED: 1 May 1976	17. DATE HOLE COMPLETED: 1 May 1976
9. TOTAL DEPTH OF HOLE: 9.8'	10. DATE HOLE STARTED: 1 May 1976	18. ELEVATION TOP OF HOLE: -10.8'	19. TOTAL CORE RECOVERY FOR BORING: 41.3'
REMARKS: GENTILE, J. GENTILE			

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	LOG NO.	SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
-10.8	0.0					Blows/0.5 Ft. SPLIT SPOON
			SAND, fine to medium, quartz, slightly silty, slightly shelly, gray (SP). 20% shell	33	1	-12.3
				40	2	-13.8
				40	3	-15.3
				46	4	-16.8
				60	5	-18.3
				26	6	-19.8
						140# hammer with 30" drop used on 2.0" split spoon (1-3/8" I.D. X 2" O.D.).

Hole No. CB-11

DRILLING LOG		INSTALLATION	
1. PROJECT: St. Lucie Inlet	2. LOCATION: Jacksonville District	10. SIZE AND TYPE OF BIT: See Remarks	11. DATE FOR ELEVATION SHOW (FRM WMS): MLW
3. DRILLING AGENCY: Corps of Engineers	4. HOLE NO. (As shown on drawing title and the number): CB-11	12. MANUFACTURER'S DESIGNATION OF DRILL: Falling 1500	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN: 1
5. NAME OF DRILLER: J. Detloff	6. DIRECTION OF HOLE: Vertical	14. TOTAL NUMBER CORE BOXES: 1	15. ELEVATION GROUND WATER: Tidal
7. THICKNESS OF OVERBURDEN: 0.8'	8. DEPTH DRILLED INTO ROCK: 12.0'	16. DATE HOLE STARTED: 1 May 1976	17. DATE HOLE COMPLETED: 1 May 1976
9. TOTAL DEPTH OF HOLE: 12.0'	10. DATE HOLE STARTED: 1 May 1976	18. ELEVATION TOP OF HOLE: -10.8'	19. TOTAL CORE RECOVERY FOR BORING: 49.3'
REMARKS: GENTILE, J. GENTILE			

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	LOG NO.	SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
-8.8	0.0					Blows/0.5 Ft. SPLIT SPOON
			SAND, fine to medium, quartz, shelly, gray (SP). 20% shell	53	1	-10.3
			SAND, fine, quartz, silty, gray (SM)	60	2	-11.8
				46	3	-13.3
				46	4	-14.8
				60	5	-16.3
				60	6	-17.8
				46	7	-19.3
				73	8	-20.8
						140# hammer with 30" drop used on 2.0" split spoon (1-3/8" I.D. X 2" O.D.).

Hole No. CB-14

DRILLING LOG		INSTALLATION	
1. PROJECT: St. Lucie Inlet	2. LOCATION: Jacksonville District	10. SIZE AND TYPE OF BIT: See Remarks	11. DATE FOR ELEVATION SHOW (FRM WMS): MLW
3. DRILLING AGENCY: Corps of Engineers	4. HOLE NO. (As shown on drawing title and the number): CB-14	12. MANUFACTURER'S DESIGNATION OF DRILL: Falling 1500	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN: 1
5. NAME OF DRILLER: J. Detloff	6. DIRECTION OF HOLE: Vertical	14. TOTAL NUMBER CORE BOXES: 1	15. ELEVATION GROUND WATER: Tidal
7. THICKNESS OF OVERBURDEN: 0.8'	8. DEPTH DRILLED INTO ROCK: 12.0'	16. DATE HOLE STARTED: 1 May 1976	17. DATE HOLE COMPLETED: 1 May 1976
9. TOTAL DEPTH OF HOLE: 12.0'	10. DATE HOLE STARTED: 1 May 1976	18. ELEVATION TOP OF HOLE: -7.3'	19. TOTAL CORE RECOVERY FOR BORING: 49.3'
REMARKS: GENTILE, J. GENTILE			

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	LOG NO.	SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
-7.3	0.0					Blows/0.5 Ft. SPLIT SPOON
			SAND, fine to medium, quartz, clean, shelly, gray (SP). 30% shell	40	1	-8.8
				40	2	-10.3
				46	3	-11.8
				46	4	-13.3
				60	5	-14.8
				60	6	-16.3
				46	7	-17.8
				73	8	-19.3
						140# hammer with 30" drop used on 2.0" split spoon (1-3/8" I.D. X 2" O.D.).

Hole No. CB-26

DRILLING LOG		INSTALLATION	
1. PROJECT: St. Lucie Inlet	2. LOCATION: Jacksonville District	10. SIZE AND TYPE OF BIT: See Remarks	11. DATE FOR ELEVATION SHOW (FRM WMS): MLW
3. DRILLING AGENCY: Corps of Engineers	4. HOLE NO. (As shown on drawing title and the number): CB-26	12. MANUFACTURER'S DESIGNATION OF DRILL: Falling 1500	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN: 1
5. NAME OF DRILLER: J. Detloff	6. DIRECTION OF HOLE: Vertical	14. TOTAL NUMBER CORE BOXES: 1	15. ELEVATION GROUND WATER: Tidal
7. THICKNESS OF OVERBURDEN: 0.8'	8. DEPTH DRILLED INTO ROCK: 5.1'	16. DATE HOLE STARTED: 7 May 76	17. DATE HOLE COMPLETED: 7 May 76
9. TOTAL DEPTH OF HOLE: 5.1'	10. DATE HOLE STARTED: 7 May 76	18. ELEVATION TOP OF HOLE: -3.1'	19. TOTAL CORE RECOVERY FOR BORING: 57'
REMARKS: GENTILE, J. GENTILE			

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	LOG NO.	SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
-3.1	0.0					Blows/0.5 Ft. SPLIT SPOON
			SAND, fine to medium, quartz and shell fragments, clean, gray (SP)	33	1	-4.6
				46	2	-6.1
				66	3	-7.6
				73	4	-9.1
				66	5	-10.6
				46	6	-12.1
				53	7	-13.6
				60	8	-15.1
				73	9	-16.6
				66	10	-18.1
				50	11	-19.6
						140# hammer with 30" drop used on 2.0" split spoon (1-3/8" I.D. X 2" O.D.).

Hole No. CB-15

DRILLING LOG		INSTALLATION	
1. PROJECT: St. Lucie Inlet	2. LOCATION: Jacksonville District	10. SIZE AND TYPE OF BIT: See Remarks	11. DATE FOR ELEVATION SHOW (FRM WMS): MLW
3. DRILLING AGENCY: Corps of Engineers	4. HOLE NO. (As shown on drawing title and the number): CB-15	12. MANUFACTURER'S DESIGNATION OF DRILL: Falling 1500	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN: 1
5. NAME OF DRILLER: J. Detloff	6. DIRECTION OF HOLE: Vertical	14. TOTAL NUMBER CORE BOXES: 1	15. ELEVATION GROUND WATER: Tidal
7. THICKNESS OF OVERBURDEN: 0.8'	8. DEPTH DRILLED INTO ROCK: 12.0'	16. DATE HOLE STARTED: 1 May 1976	17. DATE HOLE COMPLETED: 1 May 1976
9. TOTAL DEPTH OF HOLE: 12.0'	10. DATE HOLE STARTED: 1 May 1976	18. ELEVATION TOP OF HOLE: -8.4'	19. TOTAL CORE RECOVERY FOR BORING: 43.3'
REMARKS: GENTILE, J. GENTILE			

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	LOG NO.	SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
-8.4	0.0					Blows per 0.5 ft. SPLIT SPOON
			SAND, fine to medium, quartz, slightly silty, shelly, gray (SP). 20% shell	33	1	-9.9
				33	2	-11.4
				60	3	-12.9
				46	4	-14.4
				40	5	-15.9
				53	6	-17.4
				46	7	-18.9
				33	8	-20.4
						140# hammer with 30" drop used on 2.0" split spoon (1-3/8" I.D. X 2" O.D.).

Hole No. CB-16

DRILLING LOG		INSTALLATION	
1. PROJECT: St. Lucie Inlet	2. LOCATION: Jacksonville District	10. SIZE AND TYPE OF BIT: See Remarks	11. DATE FOR ELEVATION SHOW (FRM WMS): MLW
3. DRILLING AGENCY: Corps of Engineers	4. HOLE NO. (As shown on drawing title and the number): CB-16	12. MANUFACTURER'S DESIGNATION OF DRILL: Falling 1500	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN: 1
5. NAME OF DRILLER: J. Detloff	6. DIRECTION OF HOLE: Vertical	14. TOTAL NUMBER CORE BOXES: 1	15. ELEVATION GROUND WATER: Tidal
7. THICKNESS OF OVERBURDEN: 0.8'	8. DEPTH DRILLED INTO ROCK: 12.0'	16. DATE HOLE STARTED: 1 May 1976	17. DATE HOLE COMPLETED: 1 May 1976
9. TOTAL DEPTH OF HOLE: 12.0'	10. DATE HOLE STARTED: 1 May 1976	18. ELEVATION TOP OF HOLE: -11.0'	19. TOTAL CORE RECOVERY FOR BORING: 43.3'
REMARKS: GENTILE, J. GENTILE			

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	LOG NO.	SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
-11.0	0.0					Blows/0.5 ft. SPLIT SPOON
			SAND, fine to medium, quartz, and shell fragments, very shelly, gray, slightly silty (SP). 38% shell	40	1	-12.5
				53	2	-14.0
				26	3	-15.5
				40	4	-17.0
				46	5	-18.5
				60	6	-20.0
						140# hammer with 30" drop used on 2.0" split spoon (1-3/8" I.D. X 2" O.D.).

Hole No. CB-17

DRILLING LOG		INSTALLATION	
1. PROJECT: St. Lucie Inlet	2. LOCATION: Jacksonville District	10. SIZE AND TYPE OF BIT: See Remarks	11. DATE FOR ELEVATION SHOW (FRM WMS): MLW
3. DRILLING AGENCY: Corps of Engineers	4. HOLE NO. (As shown on drawing title and the number): CB-17	12. MANUFACTURER'S DESIGNATION OF DRILL: Falling 1500	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN: 1
5. NAME OF DRILLER: J. Detloff	6. DIRECTION OF HOLE: Vertical	14. TOTAL NUMBER CORE BOXES: 1	15. ELEVATION GROUND WATER: Tidal
7. THICKNESS OF OVERBURDEN: 0.8'	8. DEPTH DRILLED INTO ROCK: 12.0'	16. DATE HOLE STARTED: 1 May 1976	17. DATE HOLE COMPLETED: 1 May 1976
9. TOTAL DEPTH OF HOLE: 12.0'	10. DATE HOLE STARTED: 1 May 1976	18. ELEVATION TOP OF HOLE: -8.1'	19. TOTAL CORE RECOVERY FOR BORING: 40.3'
REMARKS: GENTILE, J. GENTILE			

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	LOG NO.	SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
-8.1	0.0					Blows per 0.5 ft. SPLIT SPOON
			SAND, fine to medium, quartz and shell fragments, gray (SP). 30% shell	73	1	-9.6
				66	2	-11.1
				33	3	-12.6
				26	4	-14.1
				60	5	-15.6
				53	6	-17.1
				66	7	-18.6
				73	8	-20.1
						140# hammer with 30" drop used on 2.0" split spoon (1-3/8" I.D. X 2" O.D.).

Hole No. CB-18

DRILLING LOG		INSTALLATION	
1. PROJECT: St. Lucie Inlet	2. LOCATION: Jacksonville District	10. SIZE AND TYPE OF BIT: See Remarks	11. DATE FOR ELEVATION SHOW (FRM WMS): MLW
3. DRILLING AGENCY: Corps of Engineers	4. HOLE NO. (As shown on drawing title and the number): CB-18	12. MANUFACTURER'S DESIGNATION OF DRILL: Falling 1500	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN: 1
5. NAME OF DRILLER: J. Detloff	6. DIRECTION OF HOLE: Vertical	14. TOTAL NUMBER CORE BOXES: 1	15. ELEVATION GROUND WATER: Tidal
7. THICKNESS OF OVERBURDEN: 0.8'	8. DEPTH DRILLED INTO ROCK: 12.0'	16. DATE HOLE STARTED: 30 April 1976	17. DATE HOLE COMPLETED: 30 April 1976
9. TOTAL DEPTH OF HOLE: 12.0'	10. DATE HOLE STARTED: 30 April 1976	18. ELEVATION TOP OF HOLE: -8.4'	19. TOTAL CORE RECOVERY FOR BORING: 40.3'
REMARKS: GENTILE, J. GENTILE			

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	LOG NO.	SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
-8.4	0.0					Blows/0.5 Ft. SPLIT SPOON
			SAND, fine to medium, quartz and shell fragments, gray (SP). 15% shell	26	1	-9.9
				26	2	-11.4
				33	3	-12.9
				46	4	-14.4
				53	5	-15.9
				66	6	-17.4
				26	7	-18.9
				80	8	-20.4
						140# hammer with 30" drop used on 2.0" split spoon (1-3/8" I.D. X 2" O.D.).

NOTE: FOR CORE BORING NOTES, SEE SHEET 18.

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

ST. LUCIE INLET, FLORIDA
 DREDGING AND JETTY
 CONSTRUCTION
 CUTS 1 AND 2
 CORE BORING LOGS

DESIGN ENG	CHK BY	DATE	SCALE: AS SHOWN	DATED: DEC. 1977	SHEET 20 OF 31
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