

BORING NUMBER	SAMPLE NUMBER/TYPE	SAMPLE DEPTH (FT)	VISUAL CLASSIFICATION	UNIFIED SOIL CLASSIFICATION	MOISTURE CONTENT (%)	UNIT DRY WEIGHT (PCF)	SPECIFIC GRAVITY OF SOLIDS	LIQUID LIMIT	PLASTIC LIMIT	BAR LINEAR SHRINKAGE (%)	PERCENT FINER BY WEIGHT (ABBEVIATED MECHANICAL SIEVE ANALYSIS)					COMPLETE MECHANICAL ANALYSIS	HYDROMETER ANALYSIS	STANDARD COMPACTION TEST	MODIFIED COMPACTION TEST	UNDRAINED SHEAR STRENGTH (KSF)	TORGANE SHEAR (KSF)
											3/8"	#4	#10	#40	#200						
89-65	1J	3-5	Brown silty fine sand	SM																	
	2J	8-10	Tan sandy silt w/shell fragments and clay pockets.	ML									100	99	79						
	3J	13-15	Brown fine sand w/roots	SM																	
	4J	18-20	Brown silty fine sand w/roots	SM										100	14						
	5J	23-25	Brown silty fine sand	SM																	
	6J	28-30	Very stiff red clay w/calcareous nodules and organic matter	CL	29						100	97	97	96	92						
89-66	1J	3-5	Tan silty fine sand	SM																	
	2J	8-10	stiff brown clay w/ silty pockets and organic matter	CH	35			64	23	11											
	3J	13-15	very soft brown and gray clay w/ silty-sand pockets and shell fragments	CH	44																
	4J	18-20	stiff red and gray clay, slickensided, w/silt pockets	CH	33																
	5J	23-25	Very stiff red clay	CH	30			67	22	1											
	6J	28-30	Very stiff red clay	CH	29																
89-67	1J	3-5	Tan and brown sandy-silt w/clay seams	ML									100	98	61						
	2J	8-10	Brown clay w/ organic matter	CH	66			78	24	14											
	3J	13-15	Soft gray clay	CH	64																
	4J	18-20	Gray sandy-clay w/shell fragments	CL	33			35	15	2		100	99	97	67						
	5J	23-25	Tan clayey-sand w/ clay and sand pockets	SC							100	99	99	99	34						
	6J	28-30	Tan clay and silty fine sand intermixed	cl/sm																	

*Based on Unconfined Compression Test Results

SUMMARY OF TEST RESULTS

Disposal Area No. 3
Mouth of Colorado River Project
Matagorda, Texas



1. SOLE'S BAY: BURNED CLASSIFIED BY ACCORDANCE WITH MILITARY STANDARD GRY 100-10. SOIL CLASSIFICATION SYSTEM FOR ROADS, AIRFIELDS, EMBANKMENTS AND FUNDATIONS. *CONSISTENCY OF SOILS SUCH AS SOFT, MEDIUM, HARD, LOOSE-DENSE, ETC., ARE RELATIVE TERMS BASED ON ESTIMATED UNDISTURBED SHEAR STRENGTH OF THE MATERIAL, AS DETERMINED BY VISUAL CLASSIFICATION, PENETROMETER TESTS AND PENETRATION RESISTANCE DURING SAMPLING.

2. FIGURES TO THE RIGHT OF BORING-LOGS ARE WATER CONTENTS IN PERCENT OF THE DRY WEIGHT, DRY DENSITY, LIQUID LIMIT, PLASTIC LIMIT, AND BAR LINE SENSURE. (MC-100)(LL-PL)(LI-LS).

3. BORINGS 89-59 THRU 89-62, 89-70 THRU 89-78, 79-02, 79-03 THRU 77-34S, AND 79-05 THRU 79-07, WERE DRILLED USING WET ROTARY DRILLING TECHNIQUES AND UNDISTURBED SAMPLES WERE RECOVERED WITH A 3-INCH DIAMETER SAMPLER WHERE COHESIVE MATERIALS WERE ENCOUNTERED. WHERE COHESIVE MATERIALS WERE ENCOUNTERED, DISTURBED SAMPLES WERE TAKEN WITH A SPLIT SPOON SAMPLER DURING PERFORMANCE OF STANDARD PENETRATION TESTING.

BORINGS 89-63, 89-66, 89-68, 89-69, 89-76, AND 89-77 WERE DRILLED USING MECHANICAL AUGER AND BORING 89-87 WAS DRILLED USING WET ROTARY TECHNIQUE TO OBTAIN DISTURBED SAMPLES.

4. WATER TABLES LEVELS SHOWN ON BORING LOGS WERE DETERMINED AFTER DRILLING BORINGS BY MEASURING THE TOP OF FLUID LEVELS IN THE BORING. IN BORINGS WHERE WET ROTARY DRILLING TECHNIQUES AND DRILLING MUD WERE USED TO DRILL THE HOLES, THE LEVEL OF DRILLING FLUIDS IN THE BORE HOLES MAY NOT HAVE STABILIZED TO THE LEVEL OF THE ACTUAL WATER TABLE. IN NATURALLY SATURATED AREAS, WATER TABLES IN THE FIELD ARE LIKELY TO FLUCTUATE DEPENDING ON LOCAL WEATHER CONDITIONS, THEREFORE, SOME VARIATION SHOULD BE ANTICIPATED BETWEEN WATER TABLES INDICATED AND WATER TABLES ENCOUNTERED IN THE FIELD.

VISUAL CLASSIFICATIONS

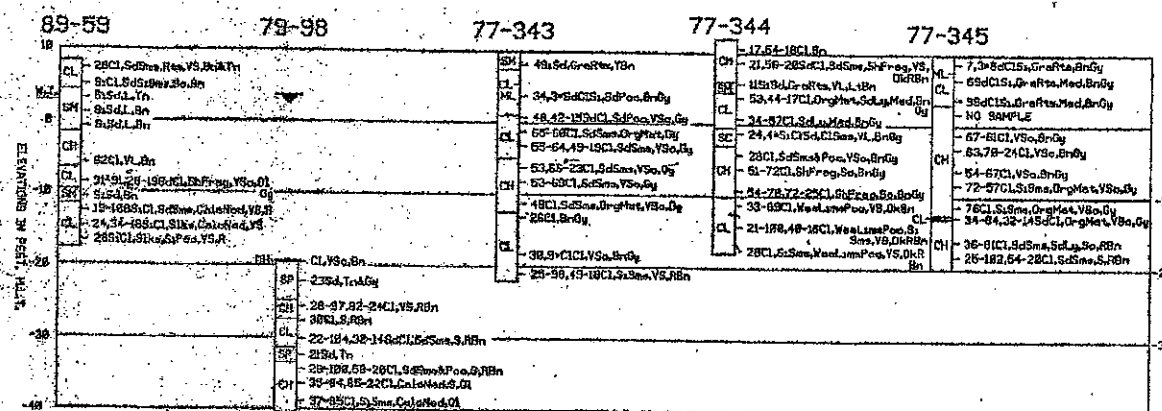
Am Brownish	Q Quack
Ar Clavies	Qr Quagga
Cdu Ciderous	Part Partingled
D Denar	Part Petrolum
Deo Deceyed	Poo Packatled
Dep Deposited	R Reddish
Dk Dark	Rte Rautish
Fer Ferrous	S Sift
Frog Frogmole	Sd Sully
G Gramistid	Sh Sherry
Gra Grass	Sl Silty
Gr Grayish	Skw Silkenalred
L Loose	Smk Seams
Lady Ladies	So Soft
Linn Libration	Tn Tanish
Lt Light	V Very
Lg Luyal	Wg Wagon
Mt Marsters	Wd Weathered
Med Modum	Y Yellowish
Mod Modum	

LABORATORY CLASSIFICATION

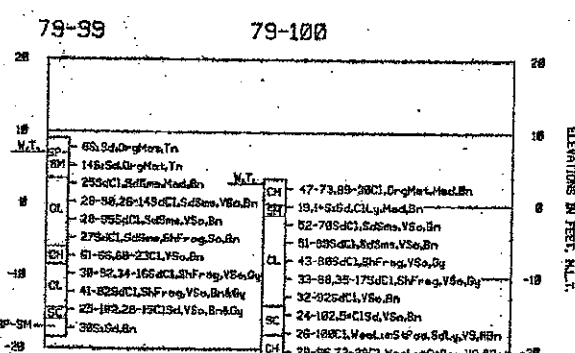
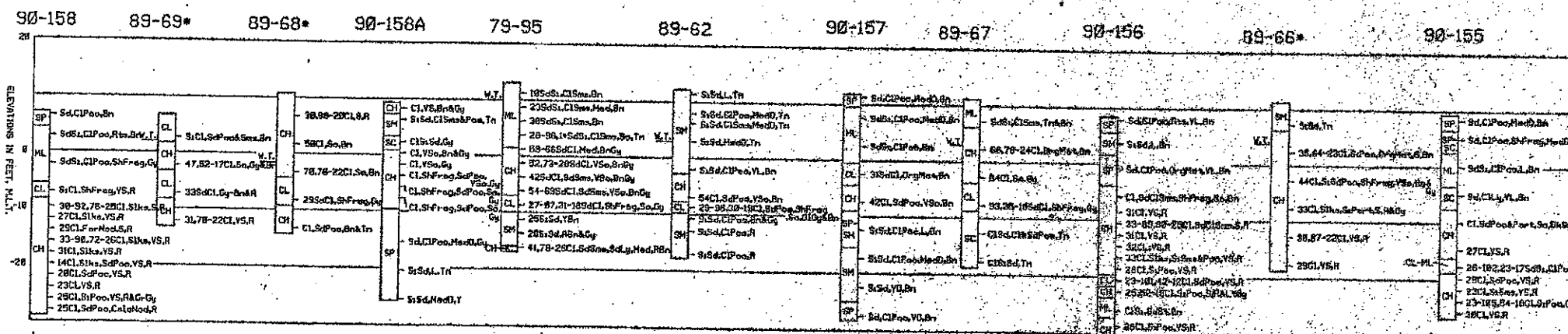
SP POORLY-GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES.
SM SILTY SANDS, SAND-SILT MIXTURES.
CL ORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS.
ML ORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, LEAN CLAYS.
OL ORGANIC SILTS AND VERY FINE SANDS, WITH SLIGHT PLASTICITY.
SC CLAYEY SANDS, SAND-SILT MIXTURES.
PT PEAT AND OTHER HIGHLY ORGANIC SOILS.

LOGS OF BORINGS
DISPOSAL AREA NO. 3

NOTE : • INDICATES ALGERE BOMBING

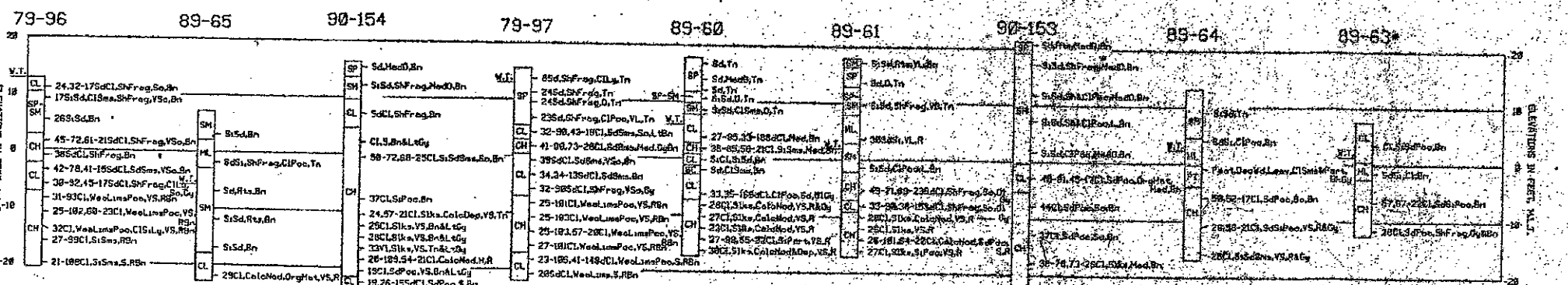


DIVERSION DAM
LOGS OF BORINGS



DIVERSION CHANNEL
LOGS OF BORINGS

NOTE: APPROXIMATE MAXIMUM DEPTH OF PREVIOUS BREEDING IS TO EL - 20.0 M.L.T.



CONNECTING CHANNEL
LOGS OF BORINGS

[illegible]