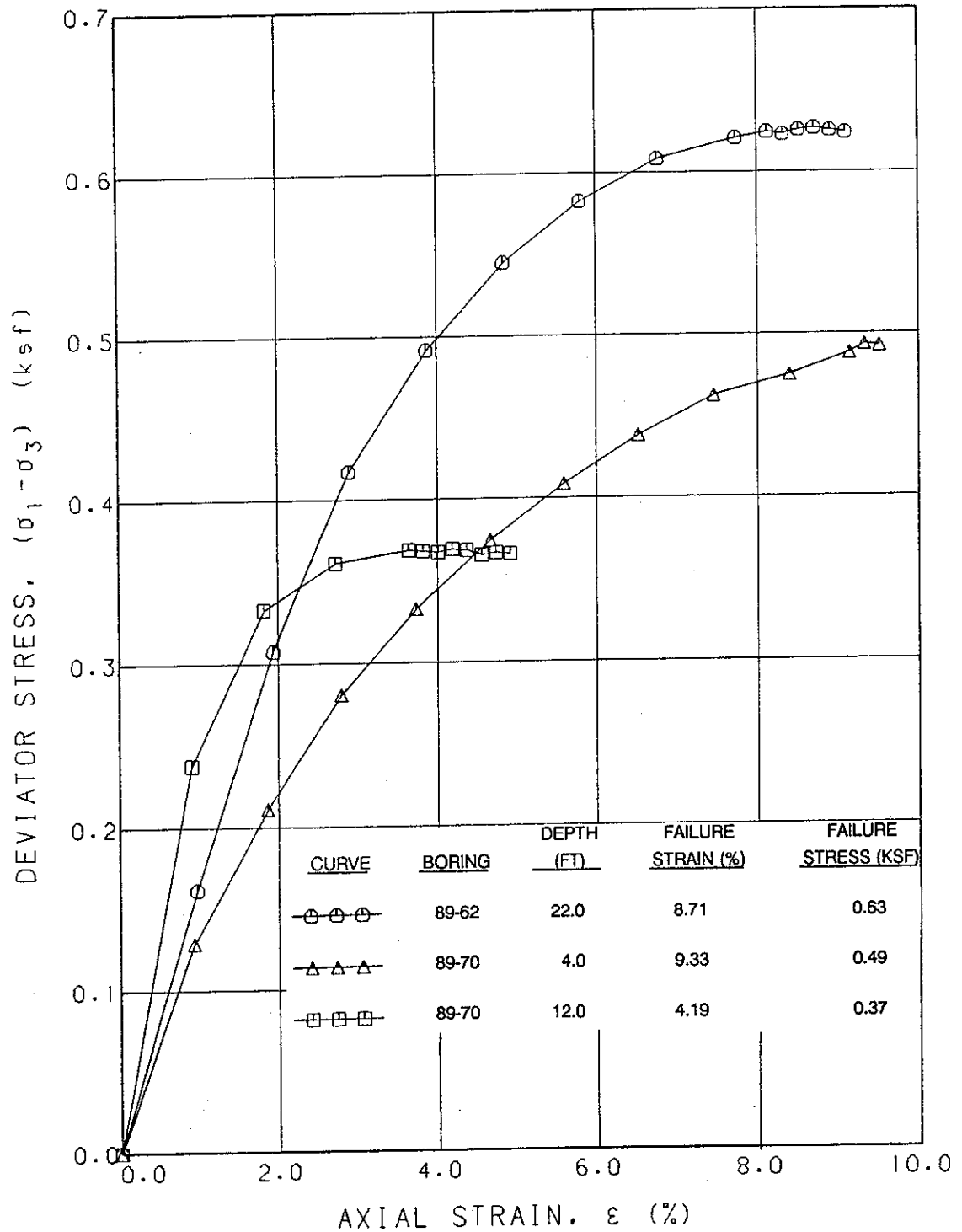


BORING NUMBER	SAMPLE NUMBER/TYPE	SAMPLE DEPTH (FT)	VISUAL CLASSIFICATION	UNIFIED SOIL CLASSIFICATION	MOISTURE CONTENT (%)	UNIT DRY WEIGHT (PCF)	SPECIFIC GRAVITY OF SOLIDS	LIQUID LIMIT	PLASTIC LIMIT	BAR LINEAR SHRINKAGE (%)	PERCENT FINER BY WEIGHT (ABBEVIATED MECHANICAL SIEVE ANALYSIS)					COMPLETE MECHANICAL ANALYSIS	HYDROMETER ANALYSIS	STANDARD COMPACTION TEST	MODIFIED COMPACTION TEST	UNDRAINED SHEAR STRENGTH (KSF)	TORSION SHEAR (KSF)
											3/8"	#4	#10	#40	#200						
89-62	1J	0-1.5	Tan silty fine sand	SM																	
	2J	3.5-5	Tan silty fine sand w/ clay pockets	SM										100	36						
	3J	5-7	Tan silty fine sand and clay seams laminated	SM																	
	4J	8.5-10	Tan silty fine sand	SM																	
	5J	13.5-15	Brown silty fine sand w/ clay pockets	SM									100	98	46						
	6J	18.5-20	Brown clay w/ sand pockets	CH	54																
	7Q	20-22	Soft olive gray and brown clay w/ sand pockets and shell fragments	CL	29	96		30	19				100	98	54					0.31	0.5
	8J	22-24	Brown and gray silty fine sand w/ clay pockets	SM																	
	9J	24.5-26	Red silty fine sand w/ clay pockets	SM										100	35						
	10J	28.5-30	Red silty fine sand w/ clay pockets	SM																	
89-63	1J	3-5	Brown clay w/ silty fine sand pockets	CL									100	99	57						
	2J	8-10	Brown sandy-silt, slightly clay	ML																	
	3J	13-15	Brown clay w/ sandy-silt pockets	CH	57			67	22	4											
	4J	18-20	Gray and brown clay w/ sand pockets and shell fragments	CH	28																
89-64	1J	3-5	Tan silty fine sand	SM									100	98	13						
	2J	8-10	brown sandy-silt w/ clay pockets	ML																	
	3J	13-15	Dark gray peat (decayed grass & leaves) with clay seams and partings	OM																	
	4J	18-20	Soft brown clay w/ sand pockets	CH	50			52	17												
	5J	23-25	Very stiff red and gray clay w/ sandy-silt pockets	CH	26			58	21	37											
	6J	28-30	Very stiff red and gray clay w/ silty fine sand seams	CH	28																

*Based on Unconfined Compression Test Results

SUMMARY OF TEST RESULTS

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



STRESS-STRAIN CURVES
UNCONFINED COMPRESSION TEST
BORINGS 89-62
AND 89-70



1. SOILS HAVE BEEN CLASSIFIED IN ACCORDANCE WITH MILITARY STANDARD GSO 1. CONFIDENTIAL. SOIL CLASSIFICATION FOR ROAD, AIRFIELD, EMBANKMENT, AND FOUNDATIONS. A CONSISTENCY OF SOILS SUCH AS SIFT, MEDIUM, HARD, LOOSE, DENSE, ETC., ARE RELATIVE TERMS BASED ON ESTIMATED UNDISTURBED SHEAR STRENGTH OF THE MATERIAL AS DETERMINED BY VISUAL CLASSIFICATION, POINT 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 LINEAR SHRINKAGE. (MC-UDW), (LL), (PL), (LS), (+)
3. BORINGS 89-59 THRU 89-62, 89-70 THRU 89-75 89-76, 79-99, 79-143 THRU 79-154S, AND 79-95 THRU 79-97, WERE DRILLED USING WET ROTARY DRILLING EQUIPMENT AND UNDISTURBED SAMPLES WERE RECOVERED WITH A 3-INCH DIAMETER TEST SAMPLER. WHEN COHESIVE MATERIALS WERE ENCOUNTERED, WHERE CONCRETE-LIKE MATERIALS WERE ENCOUNTERED, DISTURBED SAMPLES WERE TAKEN WITH A SPLIT SPOON SAMPLER DURING PERFORMANCE OF STANDARD PENETRATION TESTS.
4. 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 TECHNIQUES TO OBTAIN UNDISTURBED SAMPLES.
5. WATER TABLES LEVELS SHOWN ON BORING LOGS WERE DETERMINED AFTER DRILLING BORINGS BY MEASURING THE TOP OF FLUID LEVELS IN THE BORMOS IN BORINGS WHERE WET ROTARY DRILLING TECHNIQUES AND DRILLING AND WERE USED TO DRILL THE HOLES. THE LEVEL OF DRILLING FLUIDS IN THE BORE TABLE, ADDITIONALLY, WATER TABLES IN THE FIELD ARE LIKELY TO FLUCTUATE DEPENDING ON TOP AND WATER CONTENTS THEREFORE, SOME VARIATION SHOULD BE ANTICIPATED BETWEEN WATER TABLES INDICATED BY WATER TABLES ENCOUNTERED IN THE FIELD.

VISUAL CLASSIFICATIONS

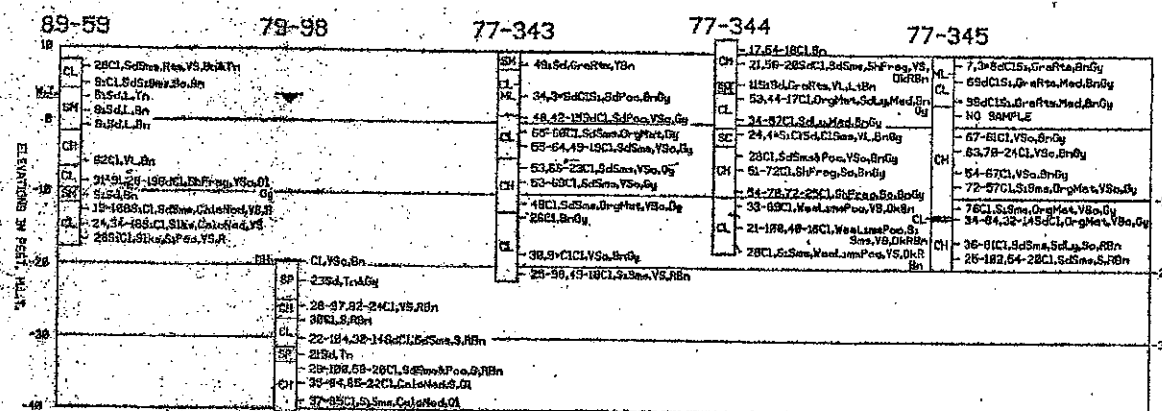
Am Brownish	Q Quack
Ar Clavies	Qr Quagga
Cdu Ciderous	Part Partingled
D Denar	Part Petrolum
Deo Deceoyed	Poo Pookatled
Dep Deposited	R Reddish
Dk Dark	Rte Rautish
Fer Ferrous	S Sift
Frog Frognated	Sd Sully
G Gramistid	Sh Sherry
Gra Grass	Sl Sifty
Gr Grayish	Skw Skakenaled
L Loose	Smk Seams
Lady Ladies	So Soft
Linn Librarians	Tn Tanukin
Lt Light	V Very
Lu Luyal	Wg Wagon
Mt Marsters	Wd Wadens
Med Modum	Wd Weathered
Ned Modum	Y Yellowish

LABORATORY CLASSIFICATION

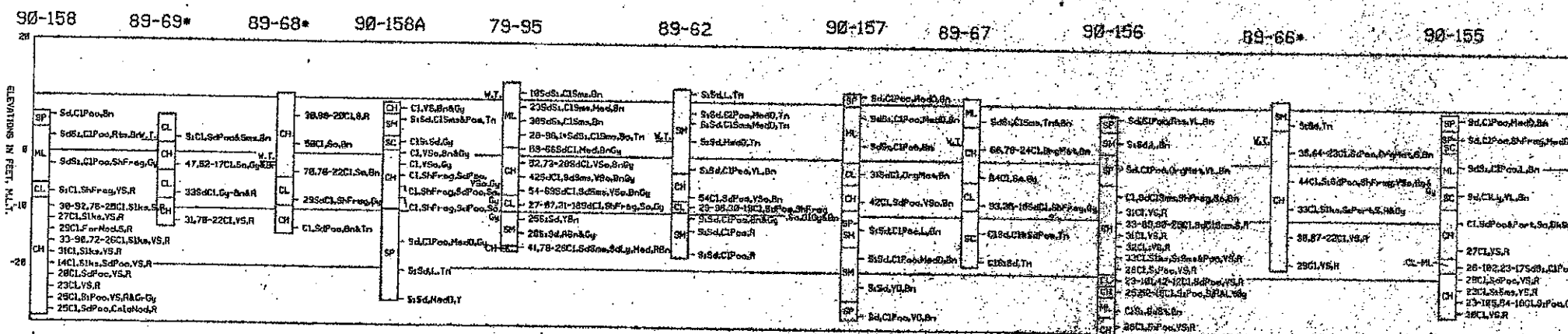
SP POORLY-GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES.
SM SILTY SANDS, SAND-SILT MIXTURES.
CL ORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS.
ML ORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, LEAN CLAYS.
CL ORGANIC SILTS AND VERY FINE SANDS, WITH SLIGHT PLASTICITY.
SC CLAYEY SANDS, SAND-SILT MIXTURES.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

LOGS OF BORINGS
DISPOSAL AREA NO. 3

NOTE : • INDICATES ALGERE BOMBING

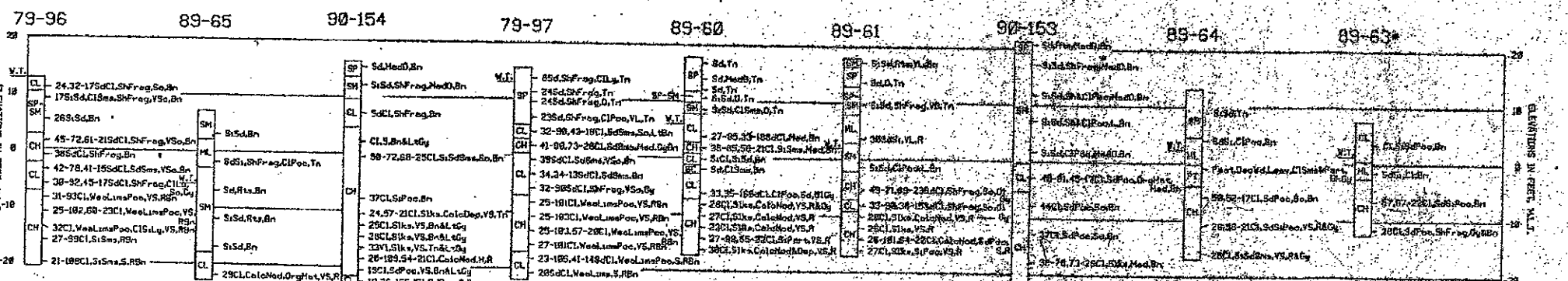


DIVERSION DAM
LOGS OF BORINGS



DIVERSION CHANNEL
LOGS OF BORINGS

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



CONNECTING CHANNEL
LOGS OF BORINGS

