

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)*	TORVANE SHEAR (KSF)
											3/8"	#4	#10	#40	#200						
89-68	1J	3-5	Stiff red clay	CH	30			66	20												
	2J	8-10	Soft brown clay	CH	50																
	3J	13-15	Soft brown clay	CH	70			76	22												
	4J	18-20	Gray sandy-clay w/ shell fragments	CL	29																
	5J	23-25	Brown and tan clay w/ sand pockets	CH																	
89-69	1J	3-5	Brown silty-clay w/ sand pockets and seams	CL										100	61						
	2J	8-10	Soft gray and brown clay	CH	47			52	17				100	99	74						
	3J	13-15	Gray brown and red sandy-clay	CL	33																
	4J	18-20	Very stiff red clay	CH	31			70	22												
89-70	1Q	0-2	Stiff brown clay w/ silt pockets	CH	42																
	2Q	2-4	Soft dark brown silty-clay w/ ferrous and petrowaste and silty seams	CL	38	86		38	16				100	99	96					0.3	0.3
	3J	4.5-6	Brown and red clayey-sand and free water.	SC	32								100	99	38						
	4Q	8-10	Soft brown clay w/ silt pockets	CH	55																0.3
	5Q	10-12	Very soft brown clay w/ shell fragments and sand pockets	CH	33	77		72	24				100	96	70					0.2	0.2
	6Q	12-14	Very soft olive gray clay	CH	36																0.2
	7J	14.5-16	Brown silty fine sand	SM										100	50						
	8J	18.5-20	Brown silty fine sand	SM																	
	9J	23.5-25	Brown silty fine sand	SM																	

*Based on Unconfined Compression Test Results

SUMMARY OF TEST RESULTS

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



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 89-78, 79-59, 79-63 THRU 79-74, AND 79-85 THRU 79-87, 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 DISTURBED 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

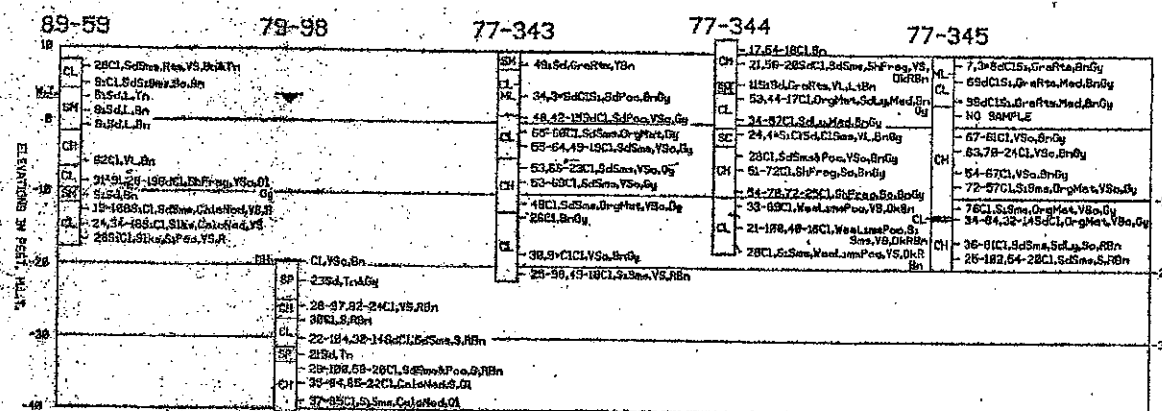
Am Brownish	Ql Grey
Ar Clayey	Ors Orange
Cdu Ciderous	Pan Partingled
D Denar	Pet Petroleum
Dec Deceayed	Poa Pockatled
Dep Deposited	R Reddish
Dk Dark	Rhs Rautish
Fer Ferrous	S Sifti
Frog Frognated	Sd Sultry
G Greenistd	Sh Sherry
Gra Grass	Sl Silty
Gr Grayish	Skw Silkenedled
L Loose	Smk Seams
Lm Loores	So Soft
Lign Lignate	Tn Tanish
Lt Light	V Very
Lg Lyeled	Wg Wg
Md Moisture	Wd Wadent
Ned Noctun	Wd Weathered
Ned Noctun	Y Yellowish

LABORATORY CLASSIFICATION

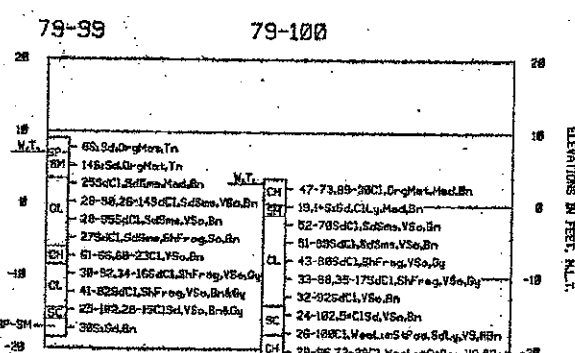
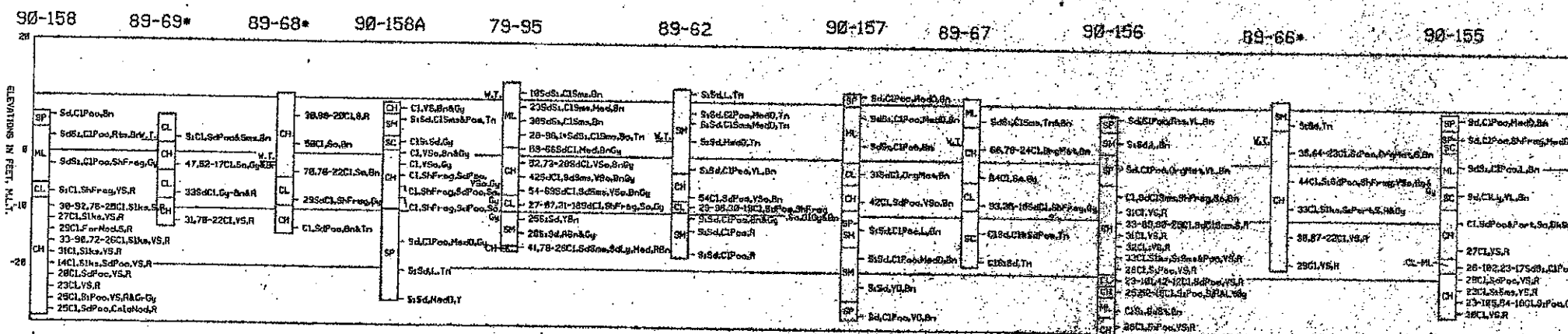
SP POORLY-GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES.
SM SILTY SANDS, SAND-SILT MIXTURES.
CL ORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS.
ML ORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, LEAN CLAYS.
CL ORGANIC SILTS AND VERY FINE SANDS, WITH SLIGHT PLASTICITY.
SC CLAYEY SANDS, SAND-SILT MIXTURES.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

LOGS OF BORINGS
DISPOSAL AREA NO. 3

NOTE : • INDICATES ALGERE BOMBING

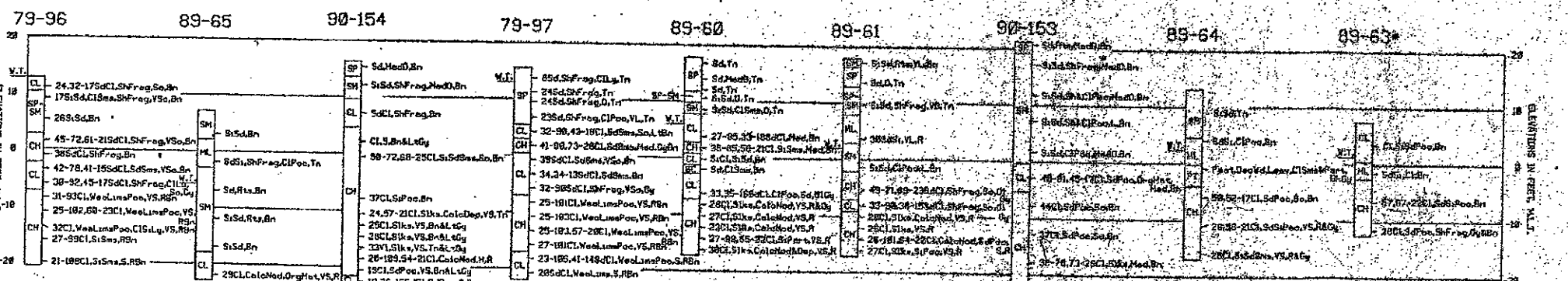


DIVERSION DAM
LOGS OF BORINGS



DIVERSION CHANNEL
LOGS OF BORINGS

NOTE: APPROXIMATE MAXIMUM DEPTH OF PREVIOUS DRESSING 19 TO 51 - 20.0 M.L.T.



CONNECTING CHANNEL
LOGS OF BORINGS

