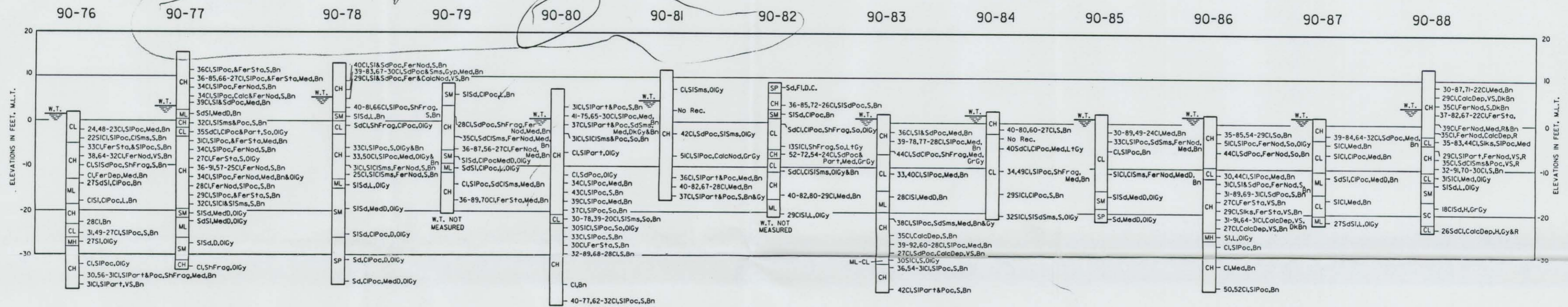


DISPOSAL AREA No. 2



DISPOSAL AREA No. 4

NOTES:

- SOILS HAVE BEEN CLASSIFIED IN ACCORDANCE WITH MILITARY STANDARD 699B "UNIFIED SOIL CLASSIFICATION SYSTEM FOR ROADS, AIRFIELDS, EMBANKMENTS AND FOUNDATIONS." 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 POCKET PENETROMETER TESTS AND PENETRATION RESISTANCE DURING SAMPLING.
- 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-UW), (LL-PL), (B.L.S.)
- BORINGS WERE DRILLED USING WET ROTARY DRILLING TECHNIQUES AND UNDISTURBED SAMPLES WERE RECOVERED WITH A 3-INCH DIAMETER THIN WALL SAMPLER WHERE COHESIVE MATERIALS WERE ENCOUNTERED, WHERE COHESIONLESS MATERIALS WERE ENCOUNTERED, DISTURBED SAMPLES WERE TAKEN WITH A SPLIT SPOON SAMPLER DURING PERFORMANCE OF STANDARD PENETRATION TESTING.
- WATER TABLE LEVELS SHOWN ON BORING LOGS WERE DETERMINED AFTER DRILLING BORINGS BY MEASURING THE TOP OF FLUID LEVELS IN THE BORINGS. INASMUCH AS 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. ADDITIONALLY, WATER TABLES IN THE FIELD ARE LIKELY TO FLUCTUATE DEPENDING ON WEATHER CONDITIONS. THEREFORE, SOME VARIATION SHOULD BE ANTICIPATED BETWEEN WATER TABLES INDICATED AND WATER TABLES ENCOUNTERED IN THE FIELD.

VISUAL CLASSIFICATIONS

Bn Brownish	Gr Green(ish)	R Reddish	Sta Stain(s)
Colo Calcareous	Gy Gray(ish)	Rec Recovery	V Very
Cl Clay(ey)	Gyp Gypsum	S Stiff	W.T. Water Table
D Dense	H Hard	Sd Sandy	
D.C. Driller's Classification	L Loose	Sh Shale	
Dep Deposit(al)	Lt Light	Sh Shell(ly)	
Dk Dark	Med Medium	Sl Silty	
Fer Ferrous	Nod Nodules	Slk Siltsand(s)	
Fl Fine(s)	Ol Olive	Sks Slickensides	
Frag Fragment(al)	Poc Pocket(al)	So Soft	

LABORATORY CLASSIFICATION

- SP POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES.
- SM SILTY SANDS, SAND-SILT MIXTURES.
- SC CLAYEY SANDS, SAND-CLAY MIXTURES.
- ML INORGANIC SILTS AND VERY FINE SANDS, WITH SLIGHT PLASTICITY.
- CL INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, LEAN CLAYS.
- MH INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS.
- CH INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS.

REVISION	DATE	DESCRIPTION	BY
OFFICE OF THE DISTRICT ENGINEER U.S. ARMY ENGINEER DISTRICT, GALVESTON CORPS OF ENGINEERS GALVESTON, TEXAS			
DRAWN BY P.B.S.		BRAZOS ISLAND HARBOR, TEXAS BROWNSVILLE CHANNEL DREDGING INSHORE REACH NO. 1 DISPOSAL AREAS Nos. 2 & 4 BORING LOGS	
TRACED BY			
CHECKED BY J.T.F.			
SUBMITTED BY David Campbell			
APPROVED BY David Campbell	DATE MAY 1992	SCALE AS SHOWN DRAWING NUMBER <b>F-6</b> SHEET 13 OF 17 FILE NO. RIO 901-204	
Prepared under the direction of Brink P. Miller, Col., C.E. District Engineer			

U.S. ARMY CORPS OF ENGINEERS

BORING NO. 92-10 DATE: BEGIN 3-20-92 PAGE 1 1 1  
 JOB NO. 146535 COMPLETE 3-20-92 Thin Walled Tube  3"  6"  
 PROJECT Brownsville Disp. Area #4  
 LOCATION " Ship Channel  
 ELEVATION OF HOLE \_\_\_\_\_  
 MANUFACTURER'S DESIGNATION OF DRILL RIG ARDCO-C-1000  
 GROUNDWATER: DEPTH Dry ft., ELEV. \_\_\_\_\_ ft., at end of Drilling  
 WEATHER P.C. - Warm - Windy  
 DRILLER D. Mitchell LOGGER J. Berg

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE SPT. - BLOW COUNT	COLOR	MATERIAL TYPE	CONSIS- TENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
				0	1	1.0	TAN GRAY	CLAY
	2	0.25	"	"	very soft			
5	3	1/1	TAN	SAND	very loose		Start 4'	
	4	.5	TAN GRAY	CLAY	Med. stiff		Cl. at 6'	
	5	.25	TAN	"	Soft			
10							Bottom of 92-10 10'	
15								
20								
25								
30								
35								

