LOG OF BORING NO. 2

BELLFORT AVE. BRIDGE ACROSS SIMS BAYOU
HOUSTON, TEXAS

JOB NO. . 8804

FIELD DATA				LABORATORY DATA							MATERIAL DESCRIPTION
Depth (Feet)	Samples	Penetration Resistance (N or tsf)	Torvane (tsf)	Compressive Strength (tsf)	Failure Strain (%)	Moisture Content (%)	Unit Dry Weight (pcf)	Atterberg Limits Liquid LL	Atterberg Limits Plastic PL	Passing No. 200 Sieve (%)	LOCATION: See Plate 1 SURF. EL.: 30.0'
		1.5									FILL: Stiff brown and gray CLAY
5		2.5									Very stiff dark gray CLAY -slickensided below 8' -light gray and tan, 8' to 13'
10		3.5		1.7	3.6*	24	100	52	21		
											-tan and light gray below 13'
15		3.5									
20		3.75		1.2	2.1*	28	95				-dry to 20'
25		4.5									
30		4.5		2.8	3.2*	31	81				
35		4.5		1.7	2.5*	35	85				-with silt and sandy silt partings, 34.5' to 35'
40		N=24								22	Medium-dense SILTY FINE SAND

PENETRATION RESISTANCE:
N - Standard Penetration Resistance (SPT) Blows/Ft
tsf - Pocket penetrometer estimated unconfined compressive strength, tons/sq ft
* - Slickensided Failure

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LOG OF BORING NO. 2 (CONT'D.)

BELLFORT AVE. BRIDGE ACROSS SIMS BAYOU
HOUSTON, TEXAS

JOB NO.. 8804

FIELD DATA				LABORATORY DATA							MATERIAL DESCRIPTION
Depth (Feet)	Samples	Penetration Resistance (N or tsf)	Torvane (tsf)	Compressive Strength (tsf)	Failure Strain (%)	Moisture Content (%)	Unit Dry Weight (pcf)	Atterberg Limits: Liquid LL	Atterberg Limits: Plastic PL	Passing No. 200 Sieve (%)	
											Dense SILTY FINE SAND
											-clay layer, 42' to 43'
45	X	N=34								26	
50	X	N=46									-clay seam, 49' to 49.3'
55	X	N=45									-fine sand below 53.5 -with gravel, 57' to 58.5' Note: Water losses, 57' to 58.5'
60	X	N=49									
	X	N=35								3	
70	X	N=50/10"									Hard light gray and tan CLAY -with numerous silt pockets to 78'
	■	4.5+		3.4	3.6*	18	112				-brown and light gray 78' to 93'
80	■	4.5+									-with vertical sandy silt seam 79' to 79.5' and 84' to 85'
	■	4.5+		2.8	2.9*	25	97				-slickensided, 88' to 93'
											-brown below 93'
90	■	4.5+		1.8	1.4*	30	92				
	■	4.5+									
100	■	4.5		1.2	1.1*	25	97				

Note Scale Change

PENETRATION RESISTANCE :
N - Standard Penetration Resistance (SPT) Blows/Ft
tsf - Pocket penetrometer estimated unconfined compressive strength, tons/sq ft
* - Slickensided Failure

DRILLING METHOD : Auger & Rotary
COMPLETION DEPTH : 100.0'
DATE : April 7, 1988

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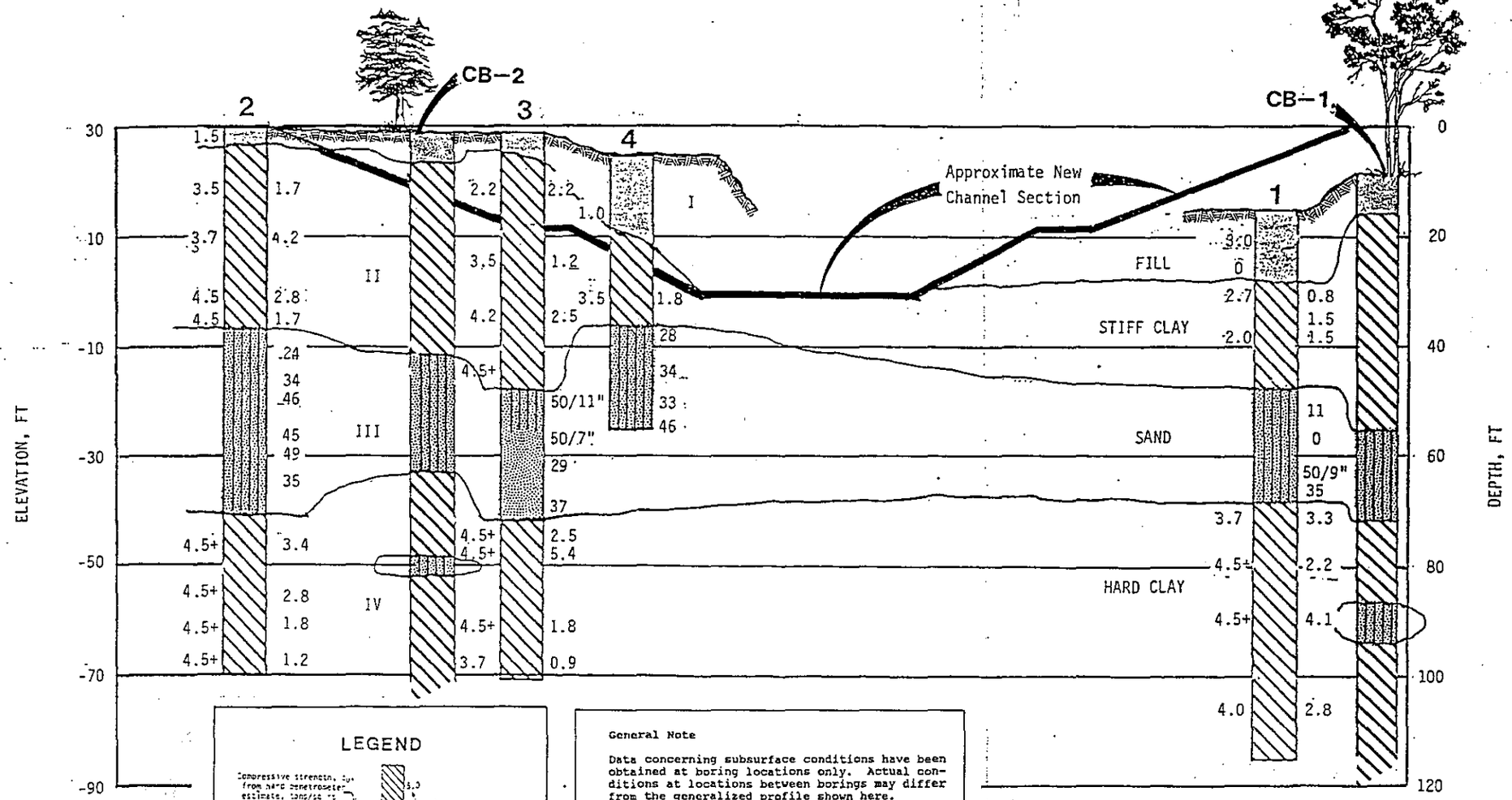

GENERALIZED SOIL PROFILE WITH 1960 BORINGS

HORIZONTAL SCALE 1" = 30'

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PLATE 2a