

SOILS CLASSIFICATION

COUNTY	CONTRACT	P. R. A. REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	2	DEL.				
STANDARD SHEET S-3						
SOILS CLASSIFICATION AND BORING DATA						
PREL. TRACING	J.M.H.F.	DESIGN		CHKD.	E.L.W.	
REVISIONS						
CORRECTION IN GROUP CLASSIFICATION - 7/20/70 J.T.B.						
APPROVED					4/10/70	
	DIRECTOR OF OPERATIONS				DATE	
	DEPUTY DIRECTOR - CHIEF ENGINEER				DATE	

GENERAL CLASSIFICATION	GRANULAR MATERIALS (35% OR LESS PASSING A NO. 200 SIEVE.)							SILT-CLAY MATERIALS (MORE THAN 35% PASSING A NO. 200 SIEVE.)					
	A-1		A-3	A-2				A-4	A-5	A-6	A-7*		A-8
	a	b		4	5	6	7				5	6	
STANDARD SYMBOL													
SIEVE ANALYSIS PERCENT PASSING													
NO. 10	50 MAX.		51 MIN.										
NO. 40	30 MAX.	50 MAX.	10 MAX.	35 MAX.	35 MAX.	35 MAX.	35 MAX.	35 MIN.	36 MIN.	36 MIN.	36 MIN.	36 MIN.	
NO. 200	15 MAX.	25 MAX.											
CHARACTERISTICS OF FRACTION PASSING NO. 40													
LIQUID LIMIT			N.P.	40 MAX.	41 MIN.	40 MAX.	41 MIN.	40 MAX.	41 MIN.	40 MAX.	41 MIN.	41 MIN.	42-400
PLASTICITY INDEX	6 MAX.	6 MAX.		10 MAX.	10 MAX.	11 MIN.	11 MIN.	10 MAX.	10 MAX.	11 MIN.	11 MIN.	11 MIN.	0-60
GROUP INDEX	0		0	0			4 MAX.	8 MAX.	12 MAX.	16 MAX.	20 MAX.		
GENERAL SUBGRADE RATING	EXCELLENT		GOOD	GOOD			FAIR	POOR	POOR	POOR	VERY POOR		UNSAT.
MATERIAL	WELL GRADED GRAVELS AND SANDS.		CLEAN SAND & GRAVELLY SAND.	POORLY GRADED, SILTY OR CLAYEY SANDS AND GRAVEL.				SILTY SOILS	ELASTIC SILTS	PLASTIC CLAYS	EXPANSIVE PLASTIC CLAYS		MUCK-PEAT

*P.I. OF A-7-5 = L.L.-30
*P.I. OF A-7-6 > L.L.-30

STRUCTURAL BORING DATA

(a)	(b)	(c)	(d)	(e)	(f)	(g)
						GROUND ELEV. 60.5
25			1	13/12	6/6	
29				16/	6/	
11	0'-	A-1-a				
21	1 1/2'	GRAVEL & SAND				
30		18" RECOVERY				55.5
52	5'-		2	15/18	6/	
43	6 1/2'					
71						
53						

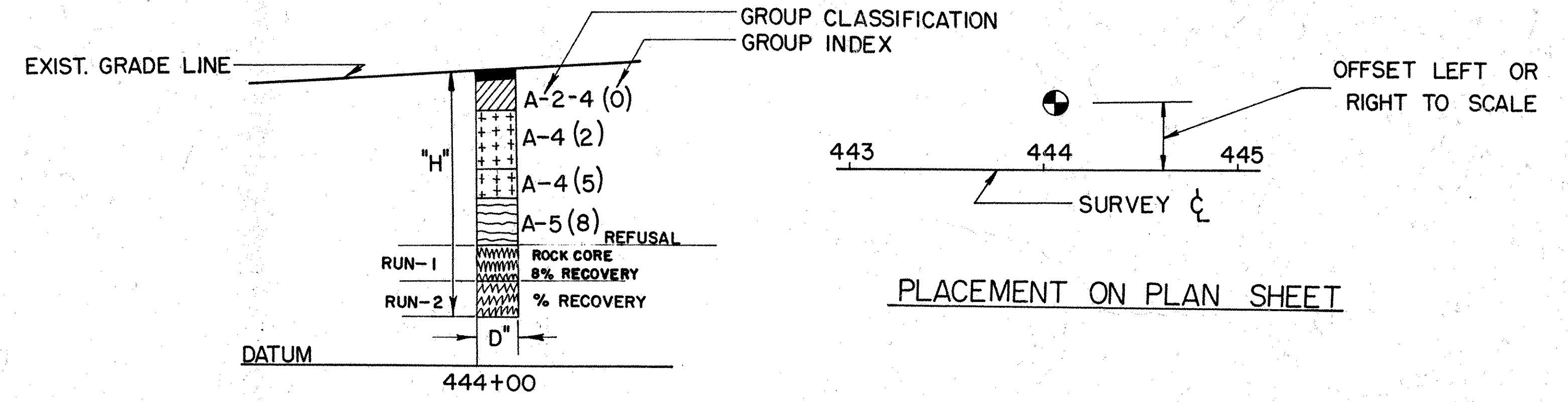
- (a) HAMMER BLOWS TO DRIVE CASING ONE (1) FOOT
- (b) SAMPLE DEPTH
- (c) CLASSIFICATION, DESCRIPTION & RECOVERY
- (d) SAMPLE NUMBER
- (e) BLOWS ON SAMPLE SPOON
- (f) PENETRATION OF SAMPLE SPOON
- (g) ELEVATIONS

ROCK BORING DATA

(a)	(b)	(c)	(d)	(e)	(f)
RUN-1	60'-65'	DARK GRAY BANDED GNEISS	A	80%	-45.5
RUN-2	65'-70'	BROKEN DARK GRAY BANDED GNEISS	B C D	60%	

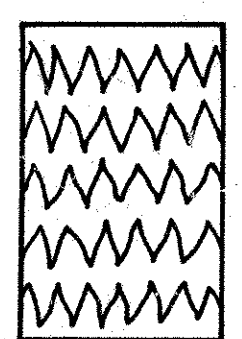
- (a) RUN NUMBER
- (b) SAMPLE DEPTH
- (c) CLASSIFICATION & DESCRIPTION
- (d) SAMPLE NUMBER
- (e) % RECOVERY
- (f) ELEVATION

METHOD OF PLACING BORING DATA ON PLAN AND PROFILE SHEETS



SCALE OF SYMBOLS TO BE USED ON PLAN

"H" OR VERTICAL SCALE - 1"=5'-0"
"D" OR HORIZONTAL SCALE - "D"= 10' ON 1"=50'-0" SCALE



ROCK CLASSIFICATION