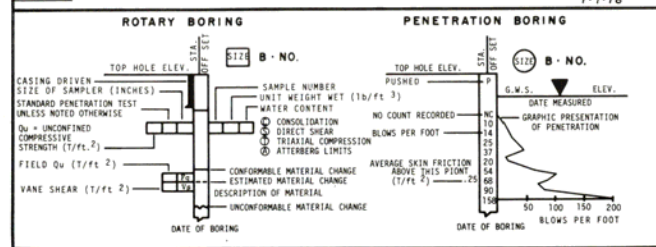
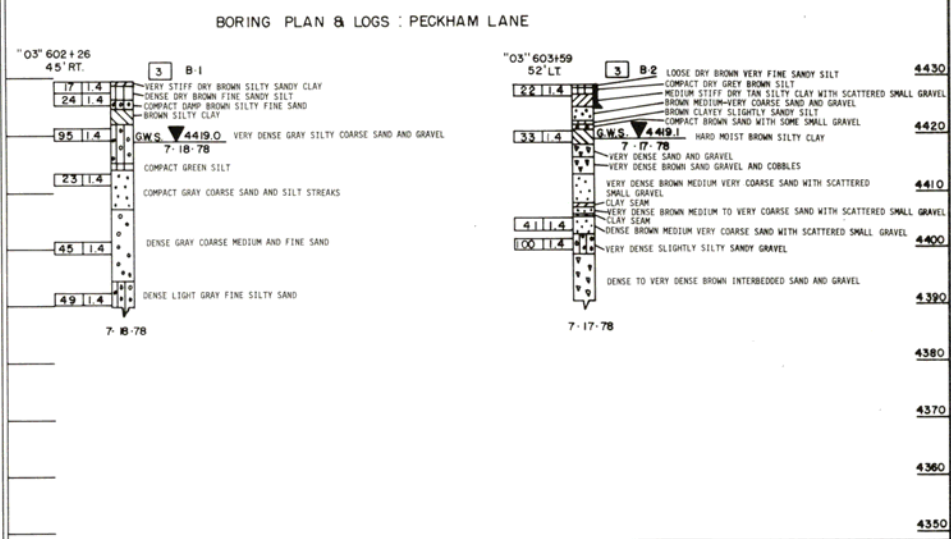
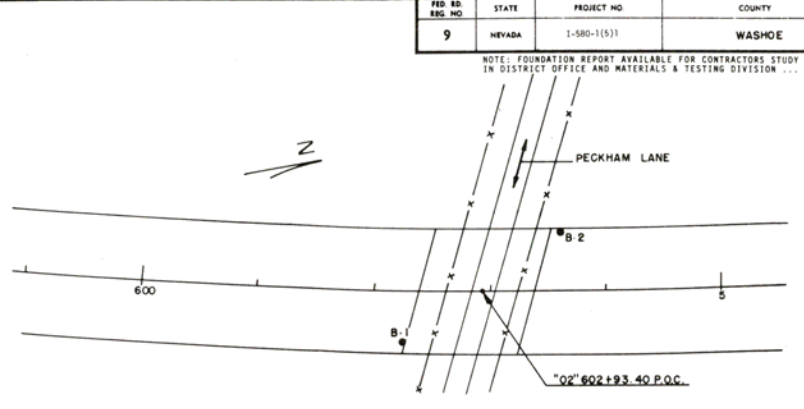
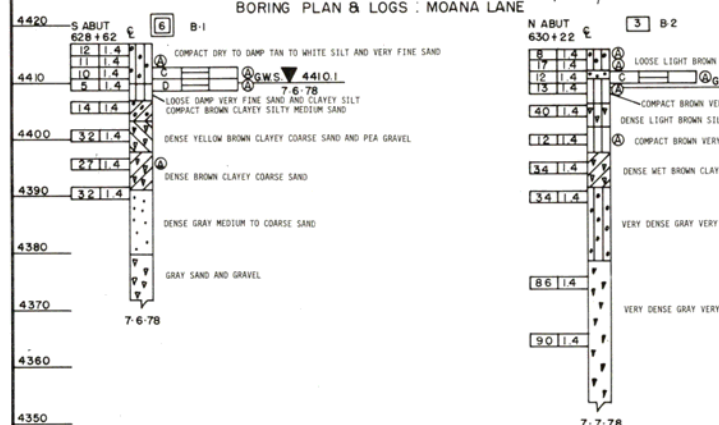
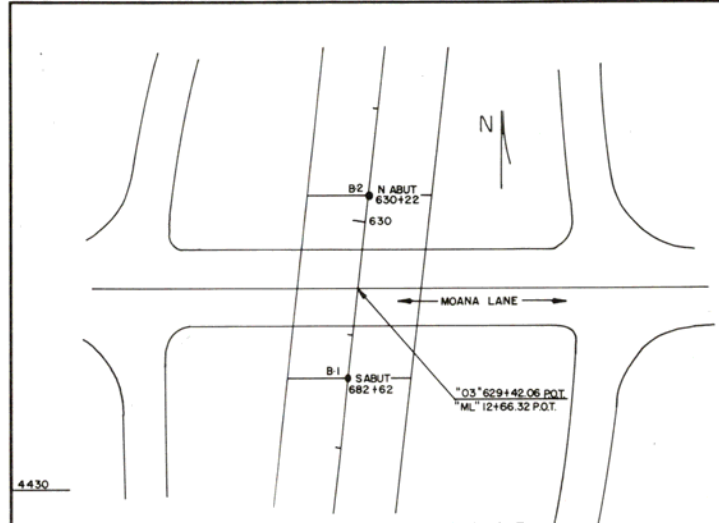


NOTE: FOUNDATION REPORT AVAILABLE FOR CONTRACTORS STUDY IN DISTRICT OFFICE AND MATERIALS & TESTING DIVISION ... **ML-19**



PLAN OF ANY BORING
 ● PENETROMETER (FLUSH-COUPLED)
 ○ 2" CONE PENETROMETER
 □ SAMPLE BORING (DRY)
 □ ROTARY BORING (WET)
 □ AUGER BORING (DRY)
 □ JET BORING
 □ DIAMOND CORE BORING
 □ TEST PIT

BIT SIZE: (O.D.) : "A"=1-13/16", "B"=2-9/32", "N"=2-29/32"
 CASING SIZES: (O.D.) : "B1"=2-7/8", "N"=3-1/2"

DWN. R.R.R.
 CHK.
 DATE: B-19-78

THE UNIFIED SOIL CLASSIFICATION SYSTEM							
MAJ. DIV.	LETTER	SYM.	DESCRIPTION	MAJ. DIV.	LETTER	SYM.	DESCRIPTION
WELL-GRADED GRAVEL OR GRAVEL-SAND MIXTURES, LITTLE OR NO FINES.	GW	[Symbol]		FINE GRAINED SILTS AND CLAYS (LL > 50)	ML	[Symbol]	LOW PLASTICITY SILT AND VERY FINE SAND OR CLAYEY SILT WITH LESS THAN 15% FINE SAND OR SILT
	GP				CL		
POORLY-GRADED GRAVEL OR GRAVEL-SAND MIXTURES, LITTLE OR NO FINES.	GM	[Symbol]		FINE GRAINED SILTS AND CLAYS (LL > 50)	OL	[Symbol]	ORGANIC SILT AND ORGANIC SILTY-CLAY OF LOW PLASTICITY
	GC				MH		
CLAYEY GRAVEL, GRAVEL-SAND-CLAY MIXTURES.	GC	[Symbol]		FINE GRAINED SILTS AND CLAYS (LL > 50)	OH	[Symbol]	ORGANIC SILT, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILT.
	GM				CH		
WELL-GRADED SAND OR GRAVELLY SAND, LITTLE OR NO FINES.	SW	[Symbol]		FINE GRAINED SILTS AND CLAYS (LL > 50)	OH	[Symbol]	ORGANIC CLAY OF HIGH PLASTICITY, FAT CLAY.
	SP				PT		
POORLY-GRADED SAND OR GRAVELLY SAND, LITTLE OR NO FINES.	SM	[Symbol]		FINE GRAINED SILTS AND CLAYS (LL > 50)	PT	[Symbol]	PEAT AND OTHER HEAVILY ORGANIC SOILS.
	SC						

STANDARD PENETRATION CLASSIFICATION			
GRANULAR SOIL		CLAYEY SOIL	
BLOWS / FT. *	DENSITY	BLOWS / FT. *	CONSISTENCY
0 - 4	VERY LOOSE	0 - 1	VERY SOFT
5 - 10	LOOSE	2 - 4	SOFT
11 - 24	MEDIUM DENSE	5 - 8	MEDIUM STIFF
25 - 50	DENSE	9 - 15	STIFF
OVER 50	VERY DENSE	16 - 30	VERY STIFF
		31 - 60	HARD
		OVER 60	VERY HARD