

PLATE 4.2

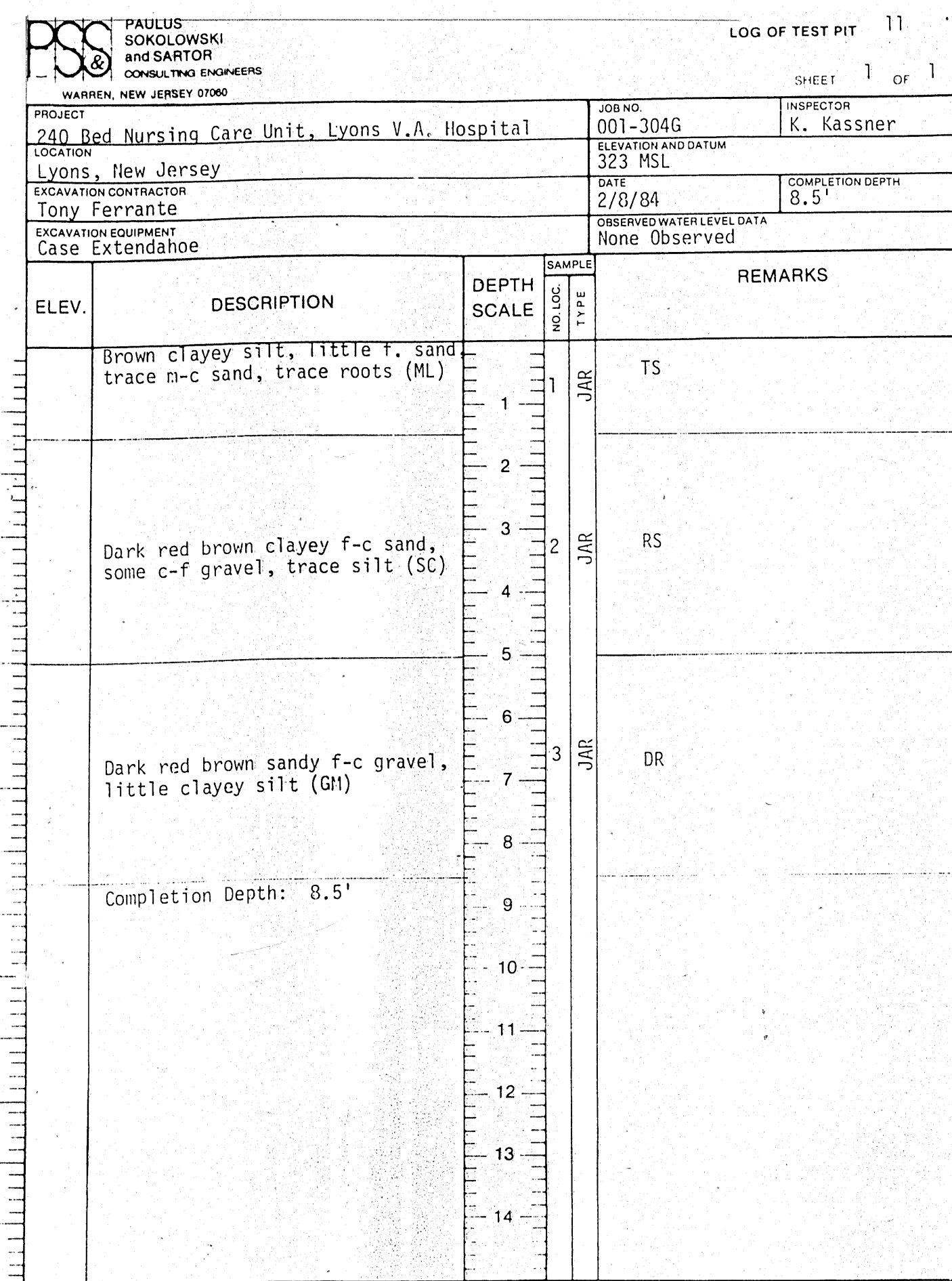


PLATE 4.10

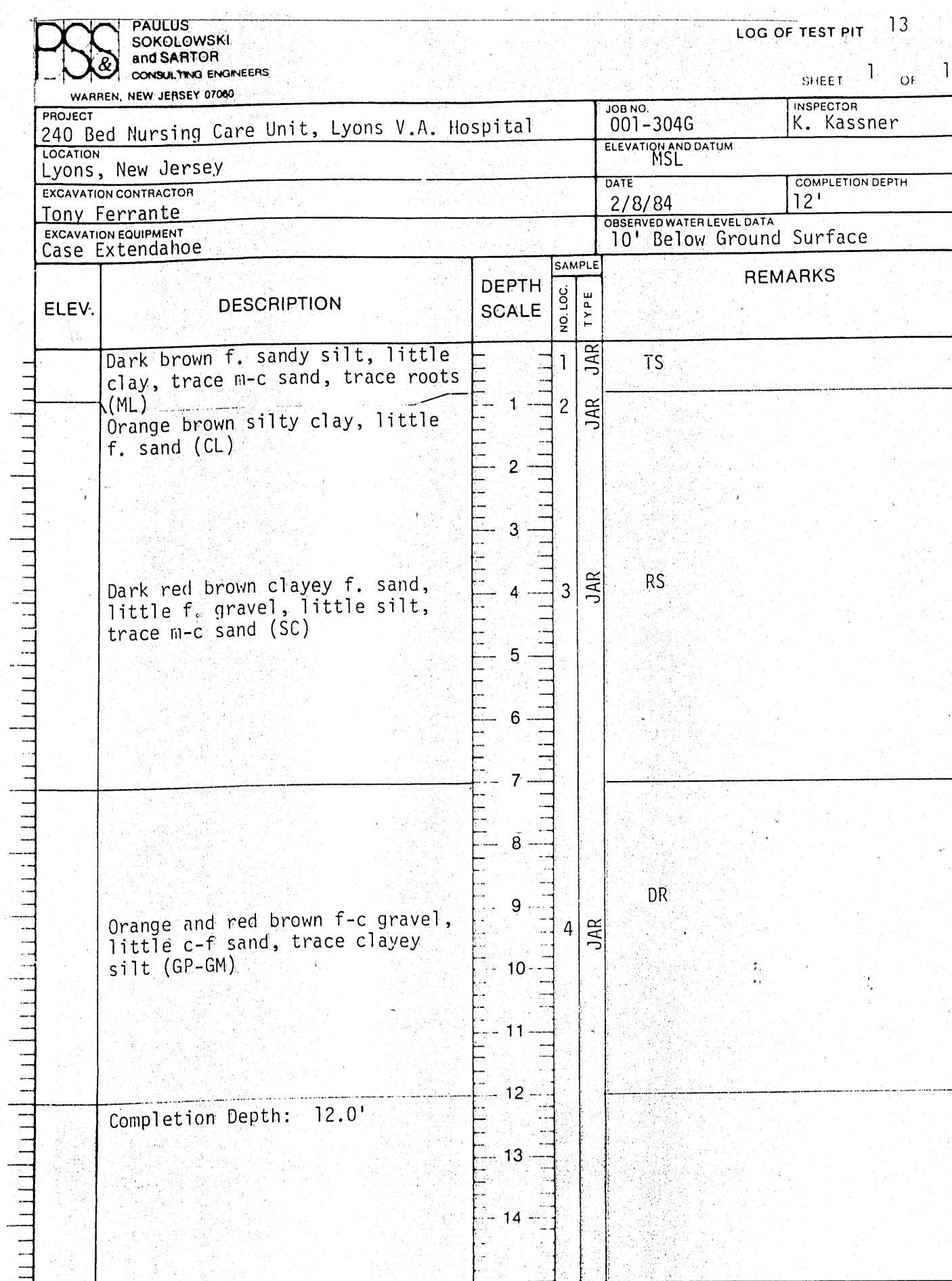


PLATE 4.11

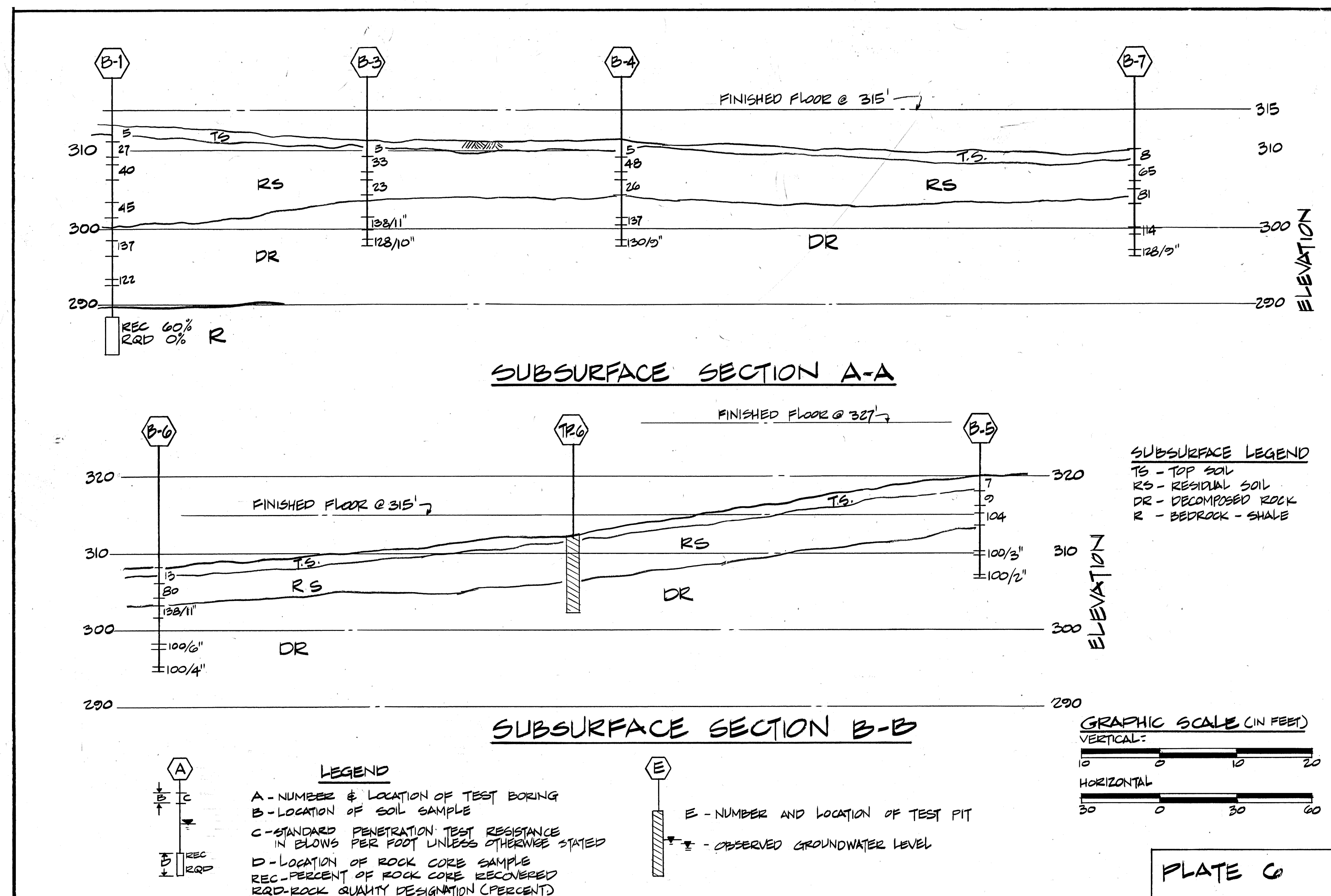


PLATE 6

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS		TERMINOLOGY (NO. 200 SIEVE)	TYPICAL DESCRIPTIONS
COARSE-GRAINED SOILS	GRAVELS 50% OR MORE OF COARSER FRACTION RETAINED AND FINES LESS THAN 50%	GW	WELL-GRADED GRAVELS & GRAVELLY MIXTURES, LITTLE OR NO FINES
		GP	POORLY GRADED GRAVELS & GRAVELLY MIXTURES, LITTLE OR NO FINES
		GM	SILTY GRAVELS, GRAVEL SAND CLAY MIXTURES
		GC	CLAYEY GRAVELS, GRAVEL SAND CLAY MIXTURES
		SW	WELL-GRADED SANDS & GRAVELLY SANDS, LITTLE OR NO FINES
	SANDS MORE THAN 50% OF COARSER FRACTION PASSED AND FINE SANDS WITH FINES	SP	POORLY GRADED SANDS & GRAVELLY SANDS, LITTLE OR NO FINES
		SM	SILTY SANDS, SAND-SILT MIXTURES
		SC	CLAYEY SANDS, SAND-CLAY MIXTURES
		ML	INORGANIC SILTS, VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS
		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
FINE-GRAINED SOILS	SILTS & CLAYS 50% OR MORE PASSED NO. 200 SIEVE LIQUID LIMIT LESS THAN 50% GREATER THAN 50%	OL	ORGANIC SILTS & ORGANIC SILTY CLAYS OF LOW PLASTICITY
		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDS OR SILTS, ELASTIC SILTS
		CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
		OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY
		PT	PEAT, MUCK & OTHER HIGHLY ORGANIC SOILS
HIGHLY ORGANIC SOILS			

***BASED ON MATERIAL PASSING THE 3" (75 MM) SIEVE**

GRADATION**		COMPACTIONNESS**		CONSISTENCY**	
TERM	% BY WEIGHT	TERM	% RELATIVE DENSITY	TERM	SHEAR STRENGTH TENSIO. ST. FT.
TRACE	1 TO 12	LOOSE	0 TO 40	SOFT	LESS THAN 0.25
LITTLE	13 TO 20	MEDIUM DENSE	41 TO 70	FIRM	0.25 TO 0.5
SOME	21 TO 30	DENSE	71 TO 90	STIFF	0.5 TO 1.0
ADD "Y"	OVER 30	VERY DENSE	91 TO 100	VERY STIFF	1.0 TO 2.0
				HARD	OVER 2.0

**VALUES ARE FROM LABORATORY OR FIELD TEST DATA, WHERE APPLICABLE. WHEN NO TESTING WAS PERFORMED, VALUES ARE ESTIMATED.

PLATE 2

PLATE 2

ROCK CLASSIFICATION SYSTEM

ROCK QUALITY DESIGNATION (RQD)	DESCRIPTION OF ROCK QUALITY
0 - 25%	Very Poor
25 - 50%	Poor
50 - 75%	Fair
75 - 90%	Good
90 - 100%	Excellent

RELATIONSHIP OF RQD AND ROCK QUALITY

Rock Quality Designation (RQD) is defined as a modified core recovery ratio considering only pieces of core that are at least four inches long. Obvious fractures induced by drilling are ignored in this system.

PLATE 3

RECORD DRAWINGS	11/5/86	PAULUS, SOKOLOWSKI & SARTOR Consulting Site & Structural Engineers PO Box 4039 Warren, NJ 07060 (201) 560-9700	KALLEN & LEMELSON Consulting Mechanical & Electrical Engineers Princeton Station Office Park 14 Washington Road Princeton Junction, NJ 08550 (609) 799-8336	THE HILLIER GROUP Architecture, Planning, Interior Design CN 23 777 Alexander Road Princeton, NJ 08540 (609) 452-8888	Drawing Title TEST PIT LOGS & SUBSURFACE SECTIONS	Project Title 240 Bed Nursing Home Care Unit	Date 16 JULY 1985
Revisions	Date	DAVID R. ANTES PE GE 25844			Approved Project Director <i>[Signature]</i>	Building Number 135	Project No. 604-064
					Checked TRH	Location VAMC Lyons, New Jersey	Drawing No. 135-B4
					Drawn LIP		Dwg. Of

Veterans Administration