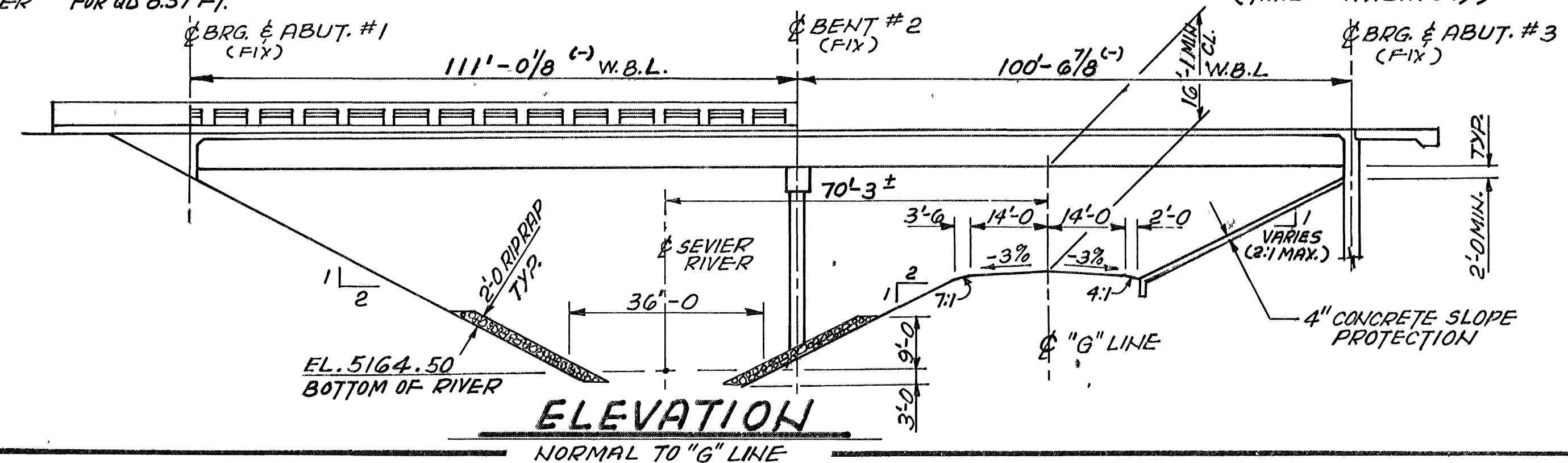
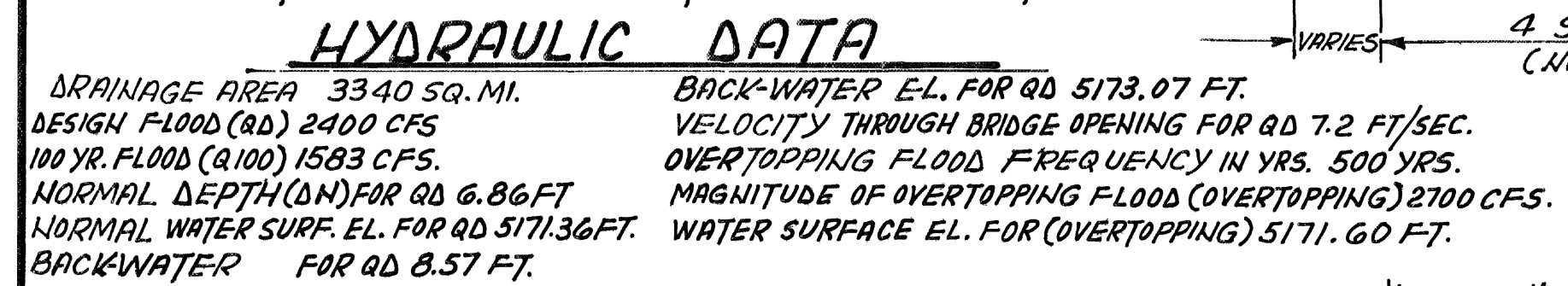
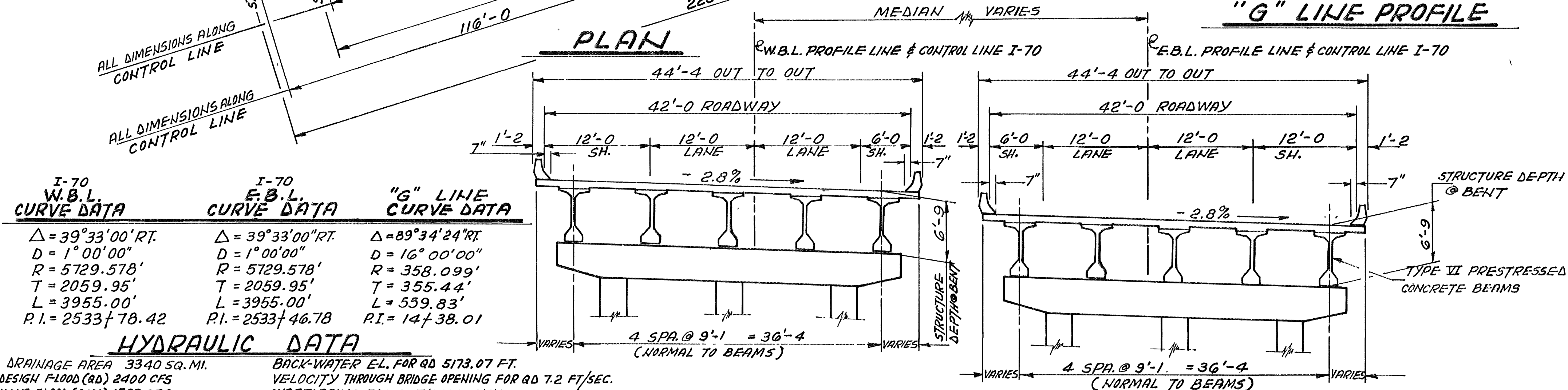
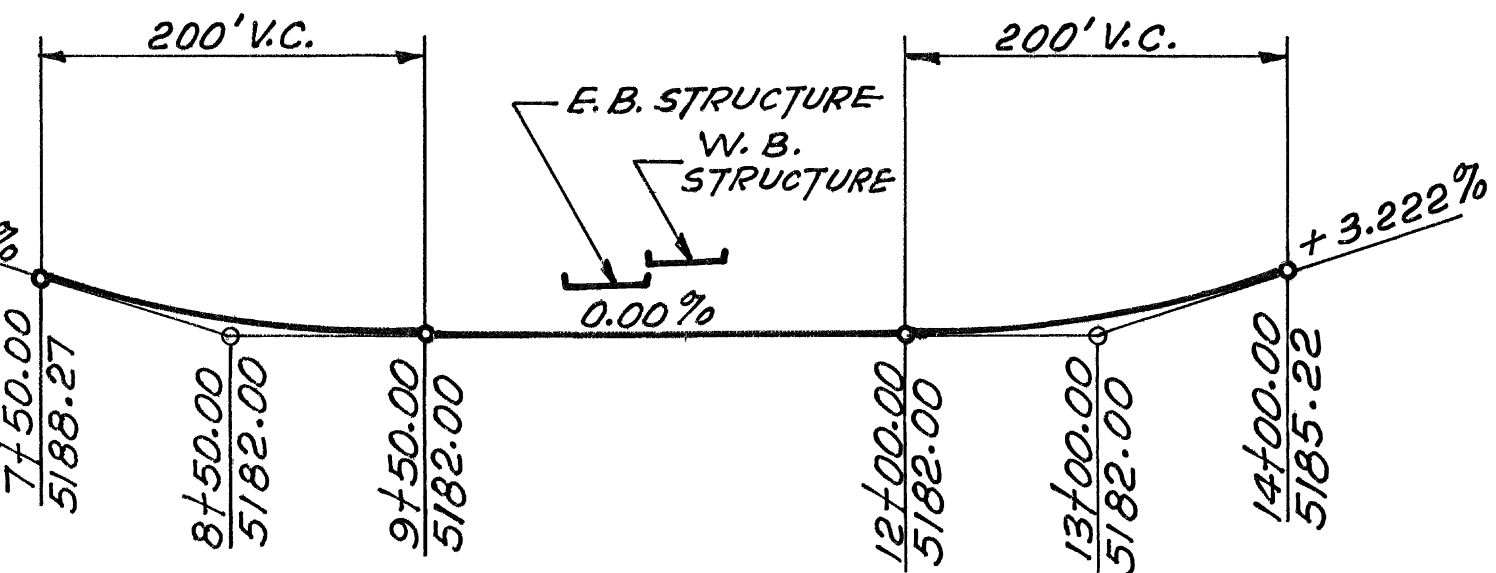
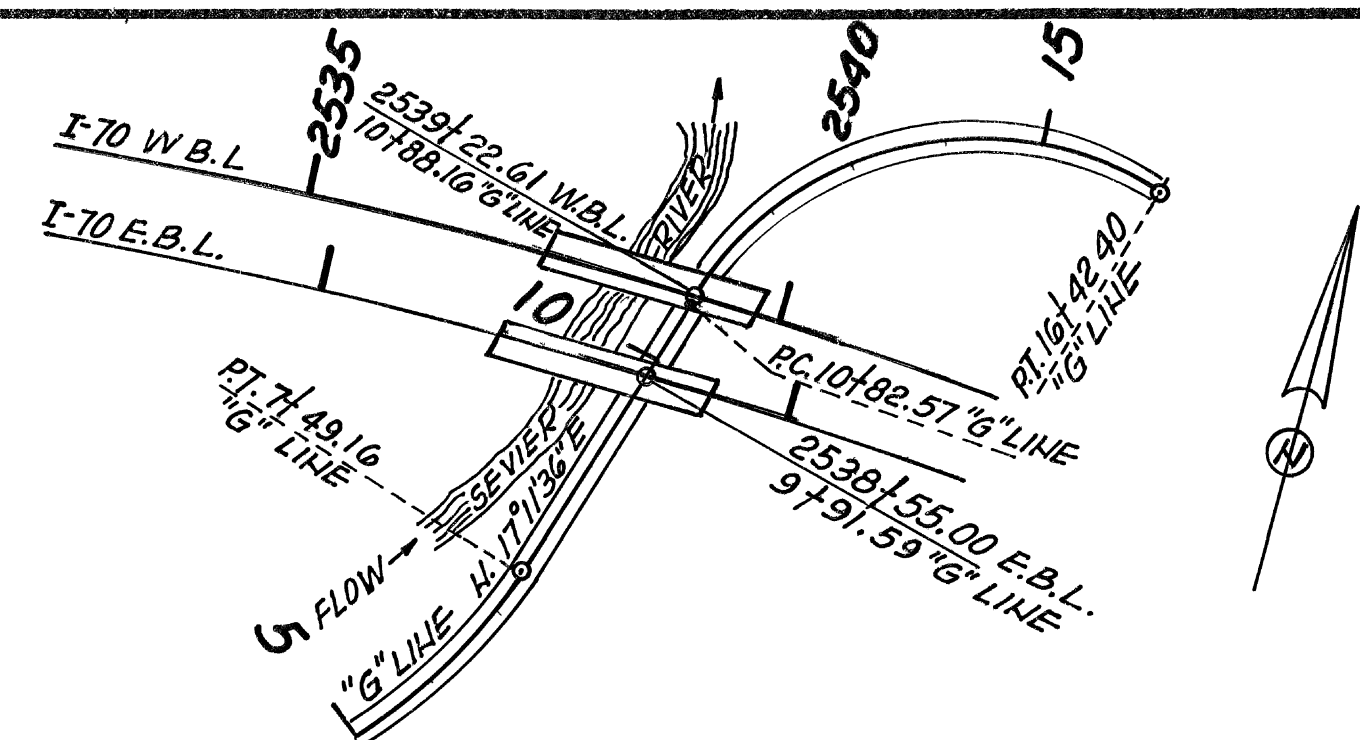


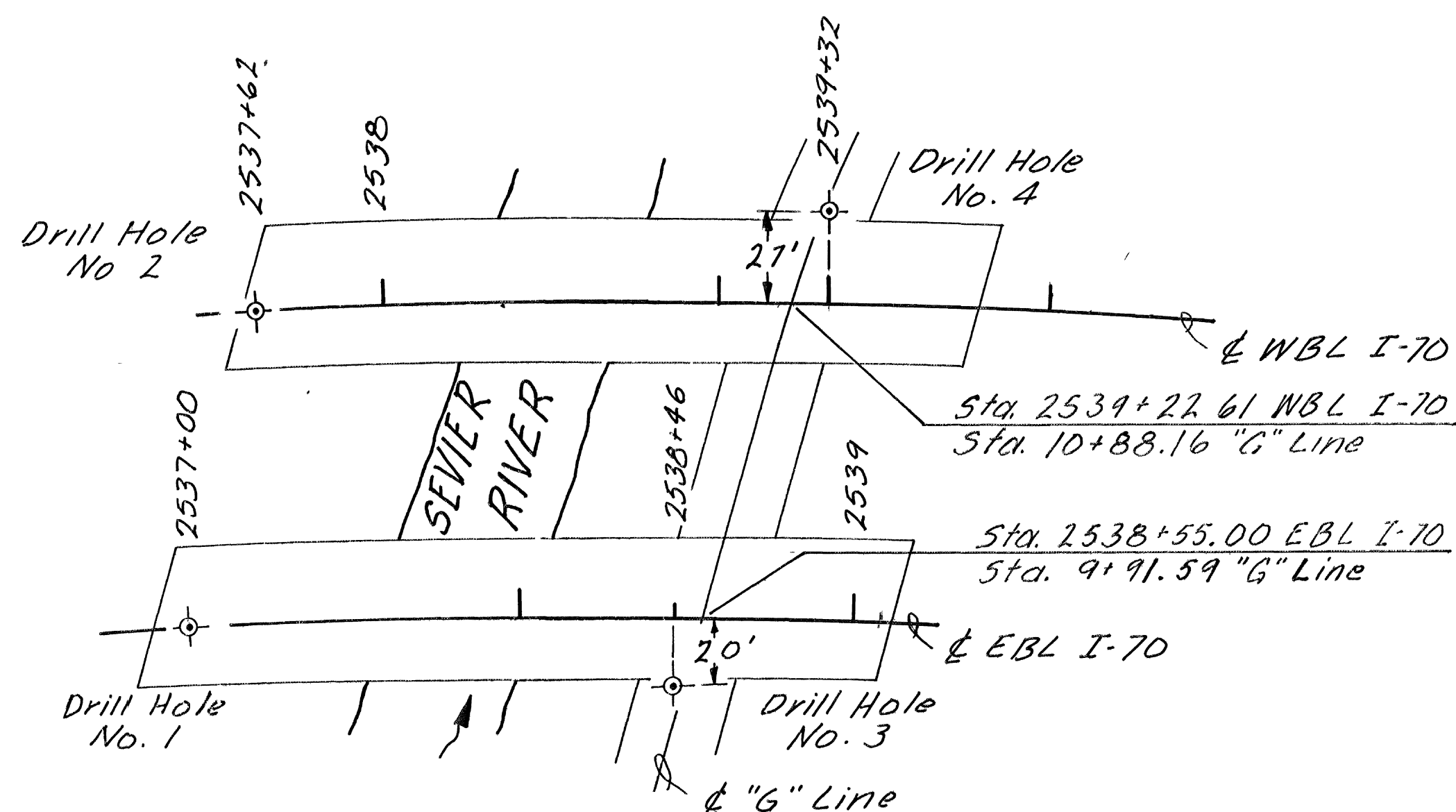
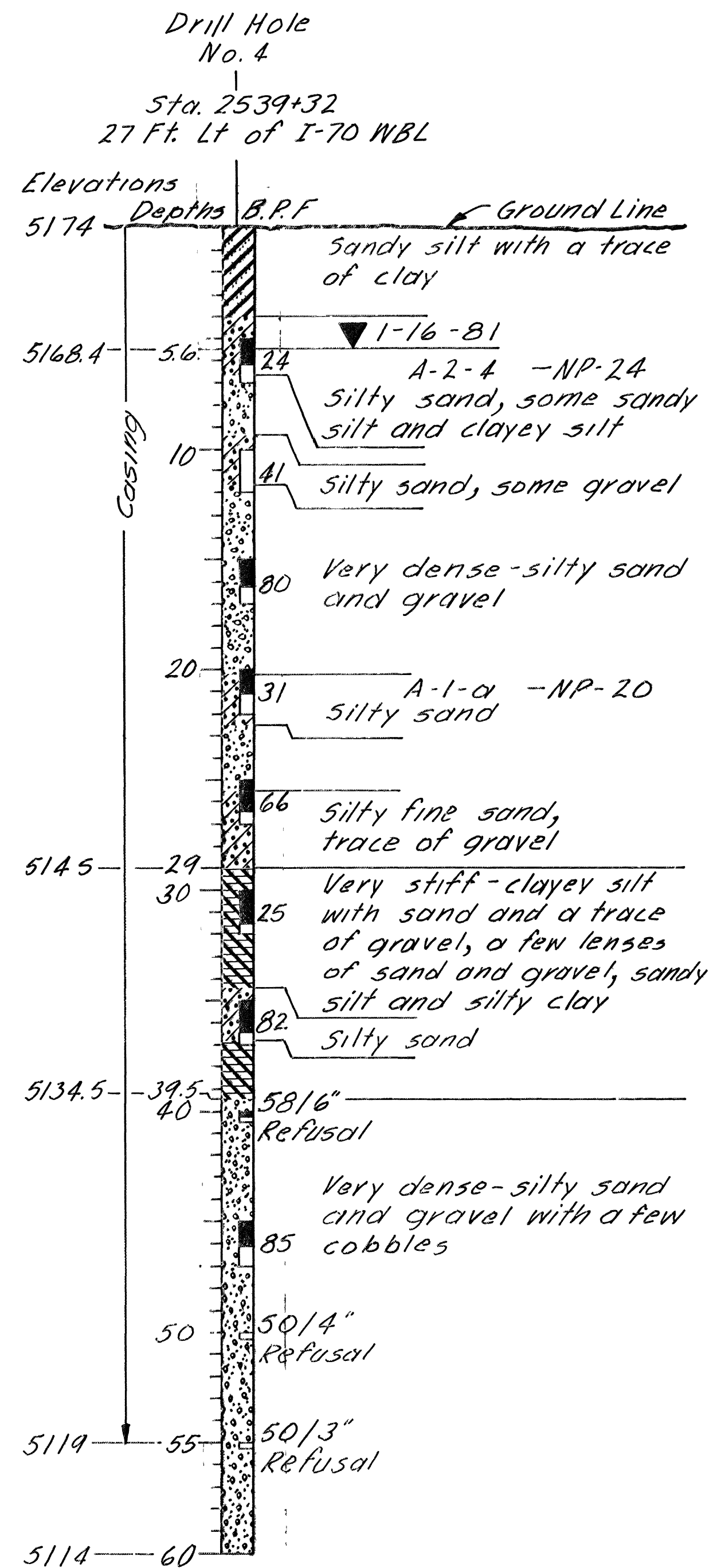
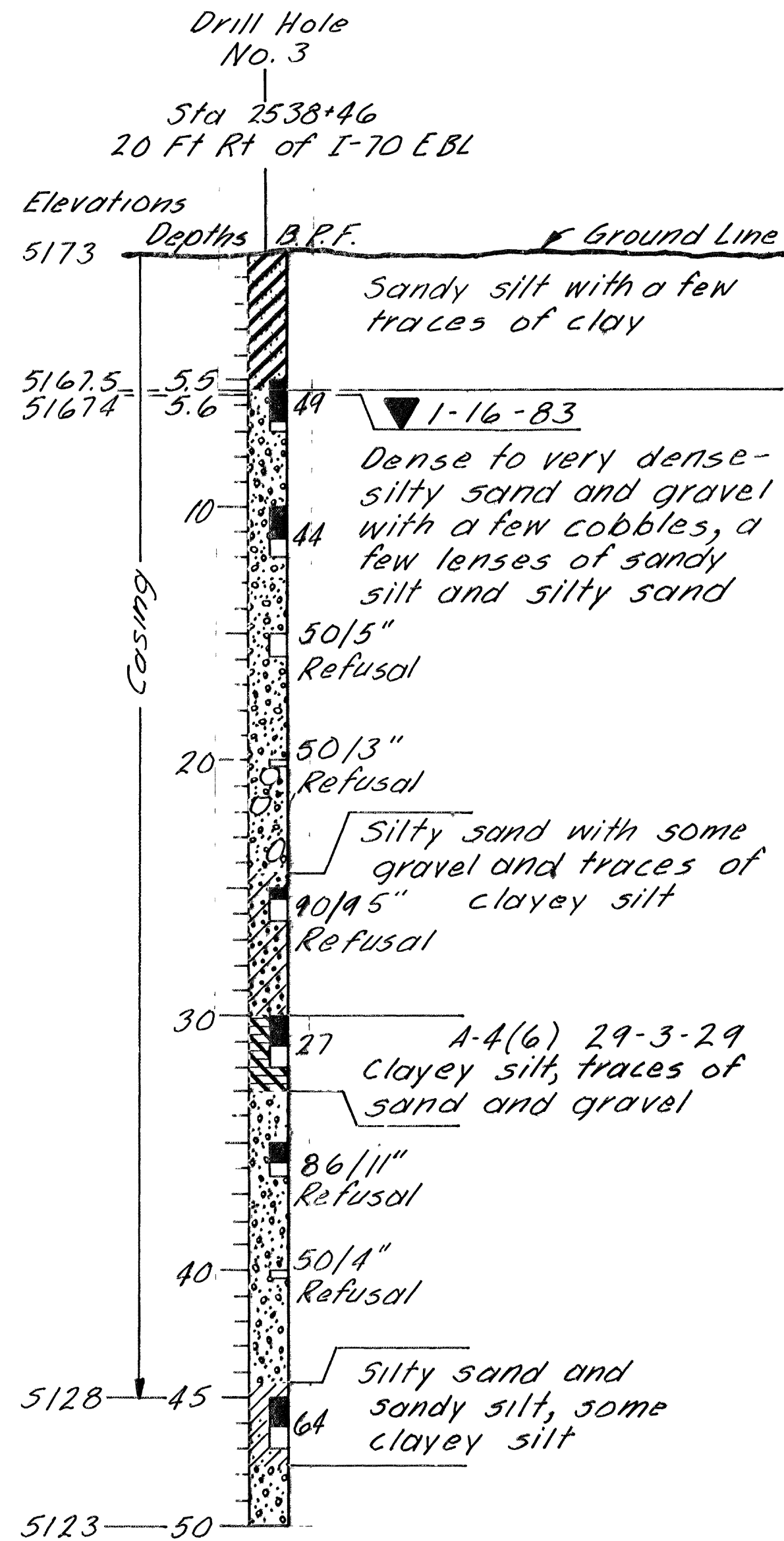
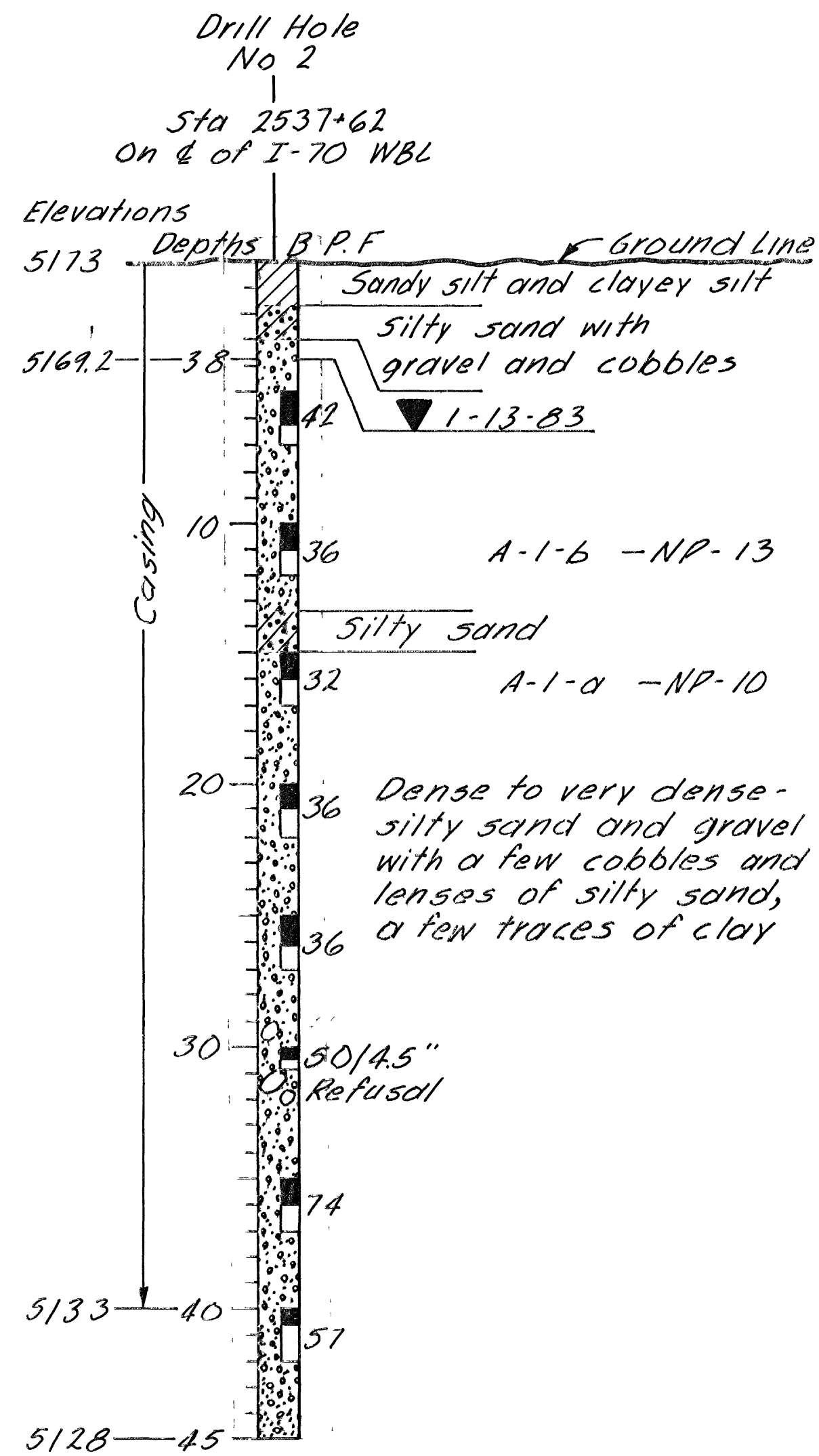
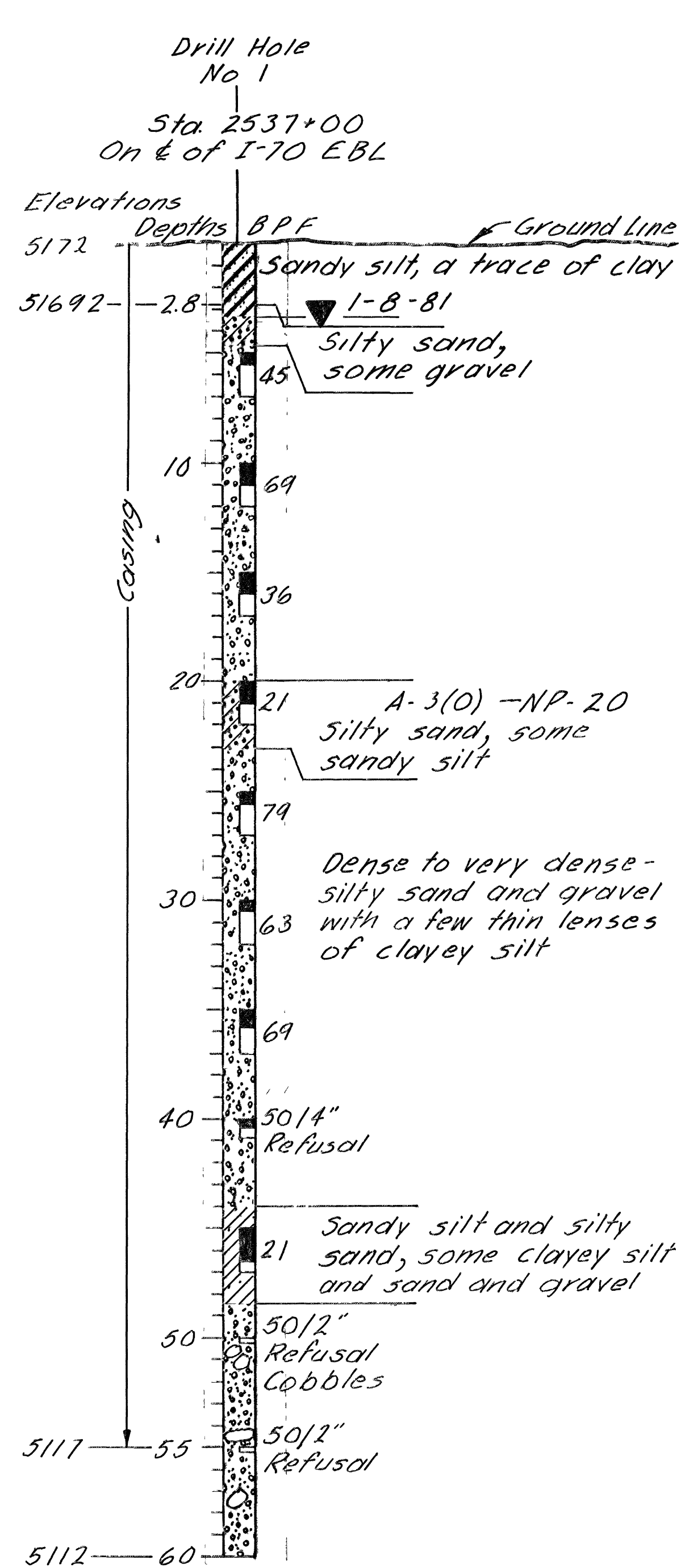
[illegible]

- | | | |
|--|---|----------------|
| 1 - SITUATION & LAYOUT | 12 - DECK PLAN AND SECTIONS (W.B.L.) | <u>FURNISH</u> |
| 2 - SOIL DATA | 13 - DECK PLAN AND SECTIONS (E.B.L.) | |
| 3 - SOIL DATA | 14 - FRAMING PLAN AND SCREED ELEVATIONS | |
| 4 - FOUNDATION PLAN | 15 - PARAPET DETAILS (W.B.L.) | |
| 5 - REACTION & TEST CAISSONS | 16 - PARAPET DETAILS (E.B.L.) | |
| 6 - ABUTMENT DETAILS (W.B.L.) | 17 - APPROACH SLAB DRAIN DETAILS | |
| 7 - ABUTMENT DETAILS (E.B.L.) | 18 - CONCRETE SLOPE PROTECTION | |
| 8 - BENT DETAILS (E.B.L. & W.B.L.) | 19 - REINFORCING STEEL SCHEDULE | |
| 9 - BENT DIAPHRAGM DETAILS (E.B.L. & W.B.L.) | 20 - REINFORCING STEEL SCHEDULE | |
| 10 - PRESTRESSED BEAM DETAILS B-1 | A20 - CONCRETE PILE DETAILS ② | |
| 11 - PRESTRESSED BEAM DETAILS B-2 | | |

<u>QUANTITIES</u>			
<u>ITEM</u>	<u>ESTIMATED</u>	<u>UNIT</u>	<u>AS CONST.</u>
CONCRETE CLASS A(AE)(Est.Quantities 1252 Cu.Yds.)	1	LUMP	
REINFORCING STEEL	76.873	LBS.	
REINFORCING STEEL (EPOXY COATED)	151788	LBS.	
STRUCTURAL STEEL (Est.Quantities 442 lbs.)	1	LUMP	
PRESTRESSED CONC. MEMBER TYPE XI (115'-10 1/2')	10	EACH	
PRESTRESSED CONC. MEMBER TYPE VI (108'-0 1/8')	10	EACH	
CONCRETE SLOPE PROTECTION	1040	SQ.YDS.	
GRANULAR BACKFILL BORROW	233	CU.YDS.	
DRILLED CAISSONS (2'-6 Dia.)	1141	LIN.FT.	
TEST CAISSONS (2'-0 DIA.)	84	LIN.FT.	
REACTION CAISSONS (3'-6 DIA.)	120	LIN.FT.	
FURNISHING CRANE	3	DAYS	

UTAH DEPARTMENT OF TRANSPORTATION			
SALT LAKE CITY, UTAH			
STRUCTURES DIVISION			
SIGURD TO SALINA			
I-70 OVER "G" LINE AND SEVIER RIVER			
SITUATION & LAYOUT			
DESIGN	M.O. 11-1-84	CHECK	Cyz 4/10/85
GRAPH	H.E.M. 7/21/82	CHECK	MPP 4/8/84
QUANT	R 10-984	CHECK	Mc 10-984
APPROVAL	11/11/84	STATION	SEVIER
RECOMM	DATS	PROJECT NUMBER	COUNTY
APPROVED	4-22-85	DATE	DRG NO.
		CHIEF STRUCTURAL ENGR.	F-489
I-70-1135/48			SHT 1 OF 20
PROJECT NUMBER			

②	Mc	3-6-86	ADDED CONCRETE PILE DETAILS SHEET
7	H.E.M.	8/19/85	CHANGED FURN. CRANE TO (3 DAY)
NO	BY	DATE	REMARKS
REVISIONS			



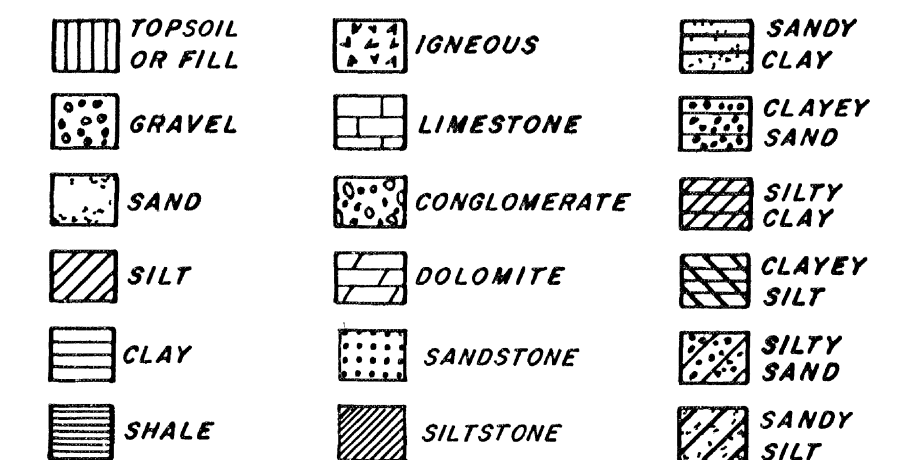
KEY TO DRILLING LOG

RELATIVE DENSITY (NON-PLASTIC SAND & SILT)

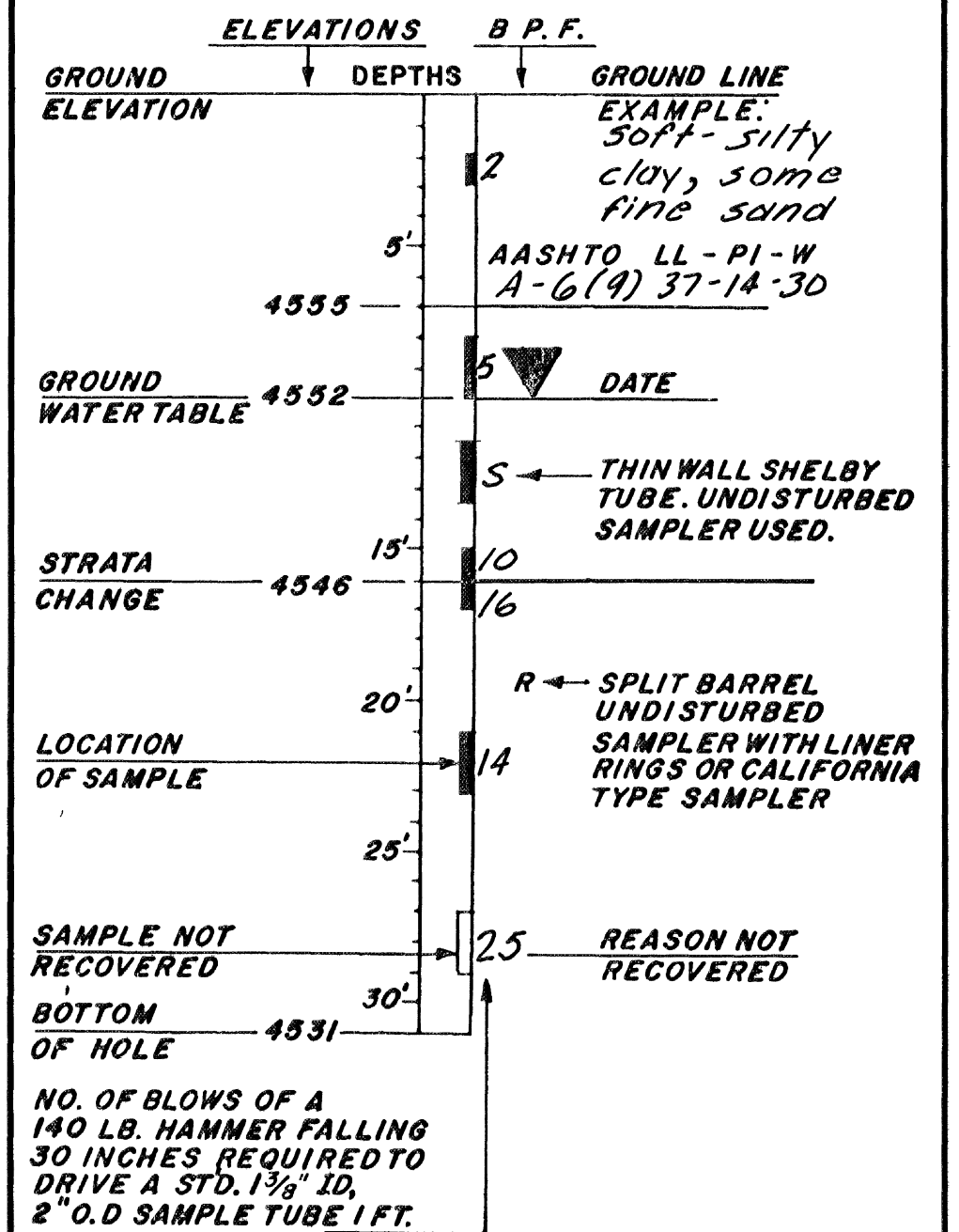
VERY LOOSE - LESS THAN 4 BLOWS PER FOOT.
LOOSE - 4 TO 10 BLOWS PER FOOT.
MEDIUM - 10 TO 30 BLOWS PER FOOT.
DENSE - 30 TO 50 BLOWS PER FOOT.
VERY DENSE - MORE THAN 50 BLOWS PER FOOT.

CONSISTENCY (PLASTIC SILT & CLAY)

VERY SOFT - LESS THAN 2 BLOWS PER FOOT
SOFT - 2 TO 4 BLOWS PER FOOT
MEDIUM - 4 TO 8 BLOWS PER FOOT
STIFF - 8 TO 15 BLOWS PER FOOT.
VERY STIFF 15 TO 30 BLOWS PER FOOT.
HARD - MORE THAN 30 BLOWS PER FOOT.



DRILL HOLE NO. STATION 0+00 E OR LT OR RT IN FT OFFSET.



ABBREVIATIONS

L.L. - LIQUID LIMIT IN %
P.I. - PLASTIC INDEX
w. - NATURAL MOISTURE CONTENT IN %
Ref - REFUSAL ≥ 50 BLOWS PER 6"
PEN. - PENETRATION
G.W.T. - GROUND WATER TABLE
B.P.F. - BLOWS PER FOOT.
N.P. - NON PLASTIC
AASHTO - SOIL CLASSIFICATION SYSTEM

NOTE: There was sporadic heavy to complete loss of circulation water in all holes

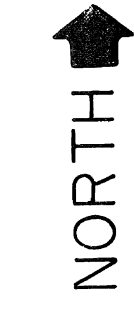
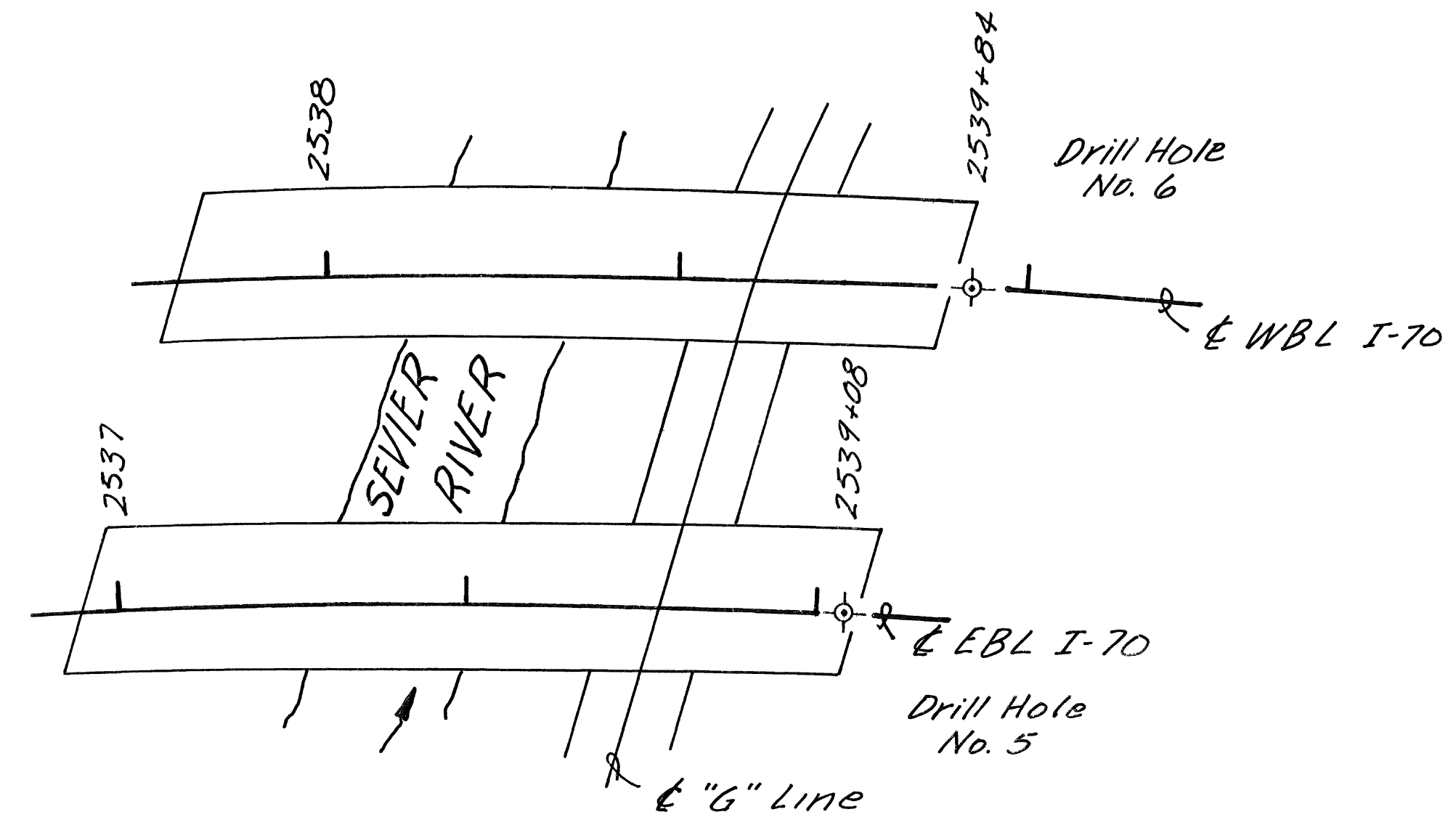
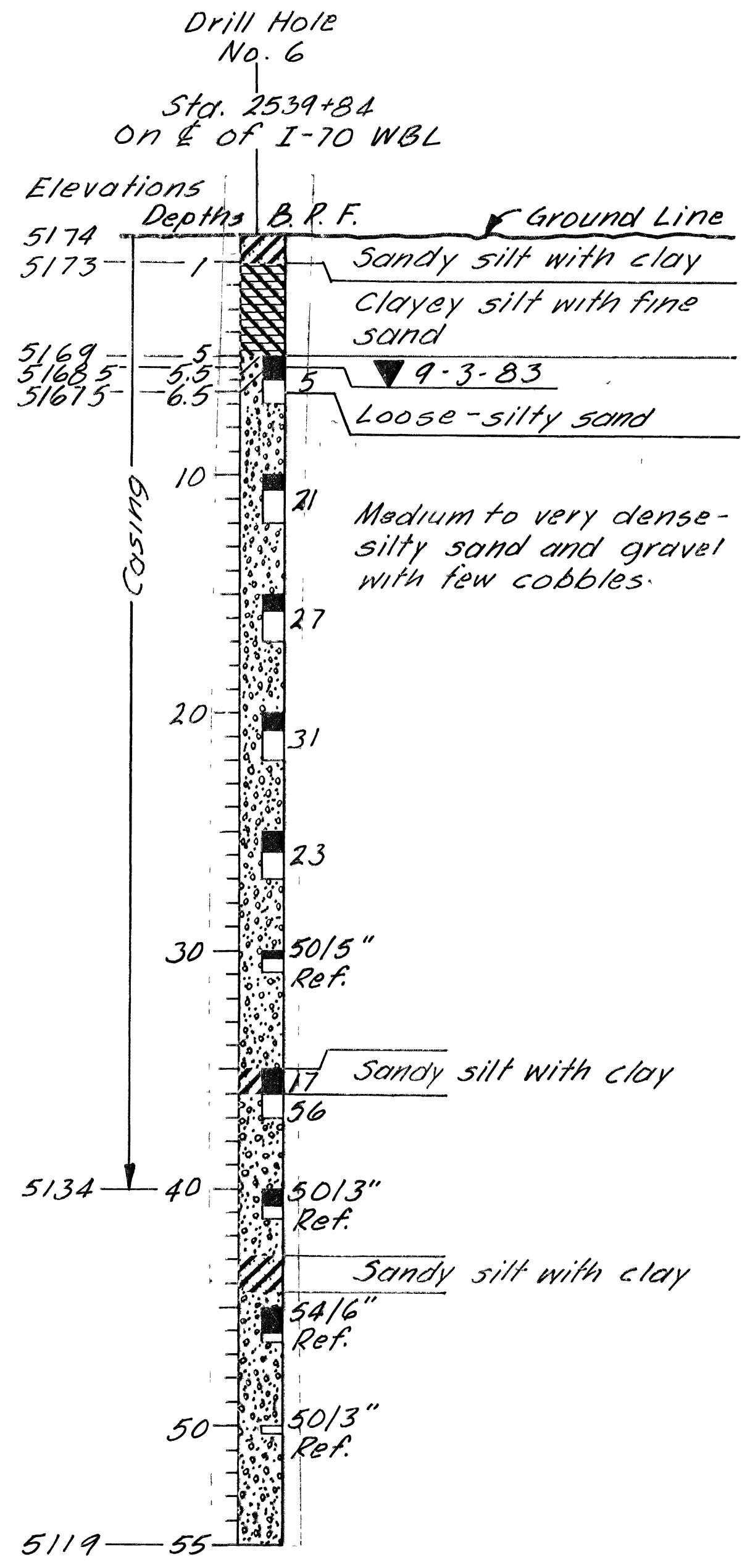
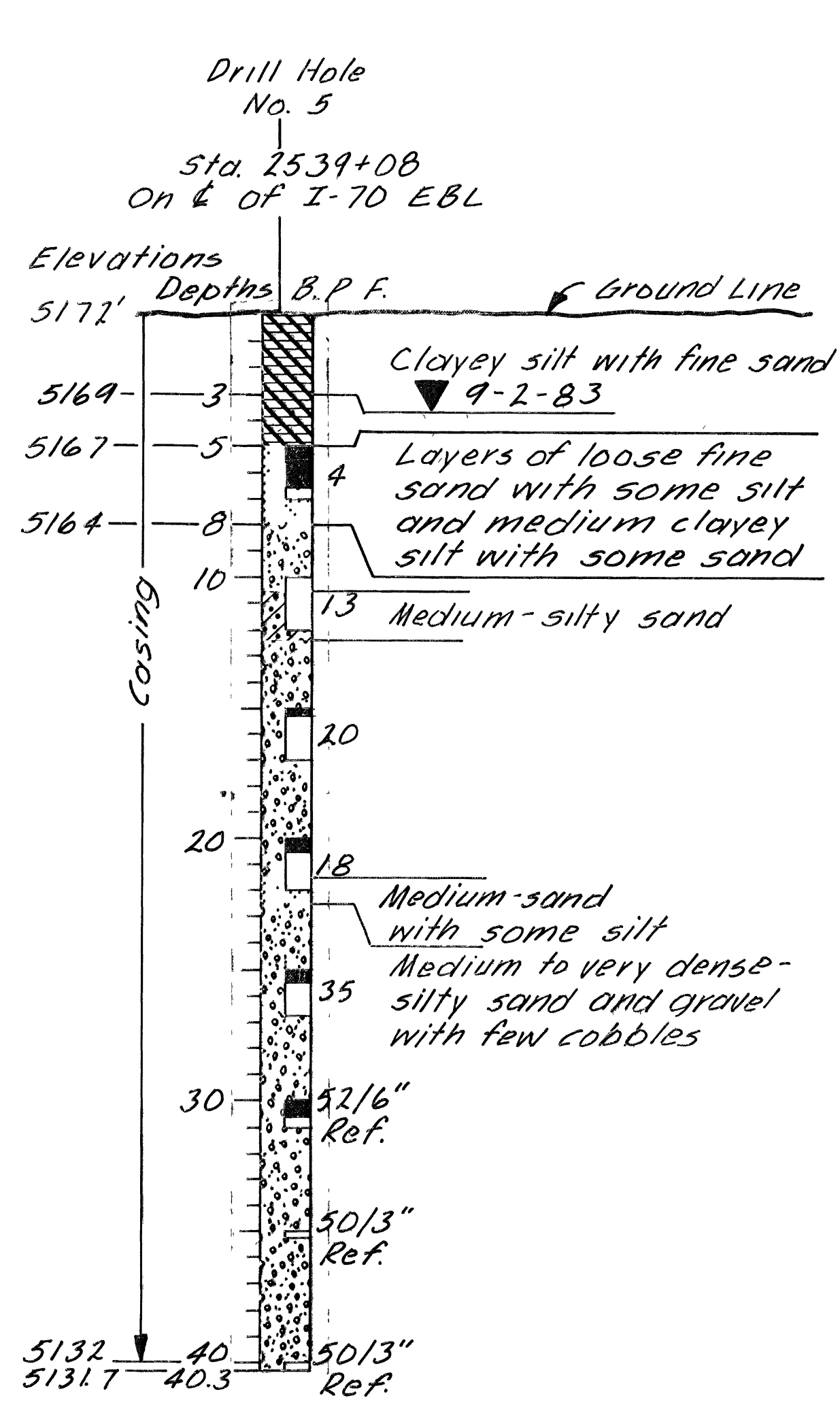
Date Drilled: January 1981

NO.	BY	DATE

REVISIONS

UTAH STATE DEPARTMENT OF TRANSPORTATION SALT LAKE CITY, UTAH	
MATERIALS and RESEARCH SECTION	
SIGURD TO SALINA	
I-70 OVER "G" LINE & SEVIER RIVER	
SOIL DATA	
Drawn By <u>B. Kistler</u>	Checked By <u> </u>
Checked By <u>P. Sizemore</u>	Checked By <u>D.R. Fawcett</u>
Checked By <u> </u>	Checked By <u> </u>
Approval Recommended By <u> </u>	Checked By <u> </u>
Received <u>4-22-85</u>	Date <u> </u> Chief Structural Eng.
Station <u>2539+22.61 WBL</u>	
County <u>SEVIER</u>	
Foundations File No <u>80-7-FS-20</u> Org No <u>F-489</u>	
2 of 20	

FIGURE 1-a



KEY TO DRILLING LOG

RELATIVE DENSITY (NON-PLASTIC SAND & SILT)
VERY LOOSE— LESS THAN 4 BLOWS PER FOOT
LOOSE — 4 TO 10 BLOWS PER FOOT
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STIFF— 8 TO 15 BLOWS PER FOOT.
VERY STIFF 15 TO 30 BLOWS PER FOOT
HARD— MORE THAN 30 BLOWS PER FOOT

TOPSOIL OR FILL	IGNEOUS	SANDY CLAY
GRAVEL	LIMESTONE	CLAYEY SAND
SAND	CONGLOMERATE	SILTY CLAY
SILT	DOLOMITE	CLAYEY SILT
CLAY	SANDSTONE	SILTY SAND
SHALE	SILTSTONE	SANDY SILT

DRILL HOLE NO
STATION 0+00 E OR LT OR RT IN FT. OFFSET.

ELEVATIONS	B.P.F.	GROUND LINE
GROUND ELEVATION	DEPTHS	EXAMPLE: Soft-silty clay, some fine sand
1555	2	AASHTO LL-PI-W A-6(9) 37-14-30
GROUND WATER TABLE	5	DATE
1552	5	THIN WALL SHELBY TUBE, UNDISTURBED SAMPLER USED.
STRATA CHANGE	15	10
1546	16	R ← SPLIT BARREL UNDISTURBED SAMPLER WITH LINER RINGS OR CALIFORNIA TYPE SAMPLER
LOCATION OF SAMPLE	20	14
25	25	
SAMPLE NOT RECOVERED	30	25 REASON NOT RECOVERED
BOTTOM OF HOLE	4531	

NO. OF BLOWS OF A 140 LB HAMMER FALLING 30 INCHES REQUIRED TO DRIVE A STD. 1 1/2" ID, 2" O.D. SAMPLE TUBE 1 FT.

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UTAH STATE DEPARTMENT OF TRANSPORTATION SALT LAKE CITY, UTAH			
MATERIALS and RESEARCH SECTION			
SIGURD TO SALINA			
I-70 OVER "G" LINE & SEVIER RIVER			
SOIL DATA			
Drawn By <u>Kistler</u>	Checked By _____	1-70-1(35)48	
Checked By <u>P. Sizemore</u>	Checked By <u>D.K. Ramsey</u>	Project Number	
Checked By <u>Di Sabba</u>	Checked By _____	2539+22 61WBL	
Approval Recommended By <u>Loren H. Reischer</u>		Station	
Received <u>4-22-85</u>	Date <u>4-22-85</u>	SEVIER	
Chief Structural Engr.		County	
Foundations File No <u>80-7-FS-20</u>		Org No <u>F-489</u>	3 of 20

Date Drilled: September 1983

NO	BY	DATE
REVISIONS		

FIGURE 1-b