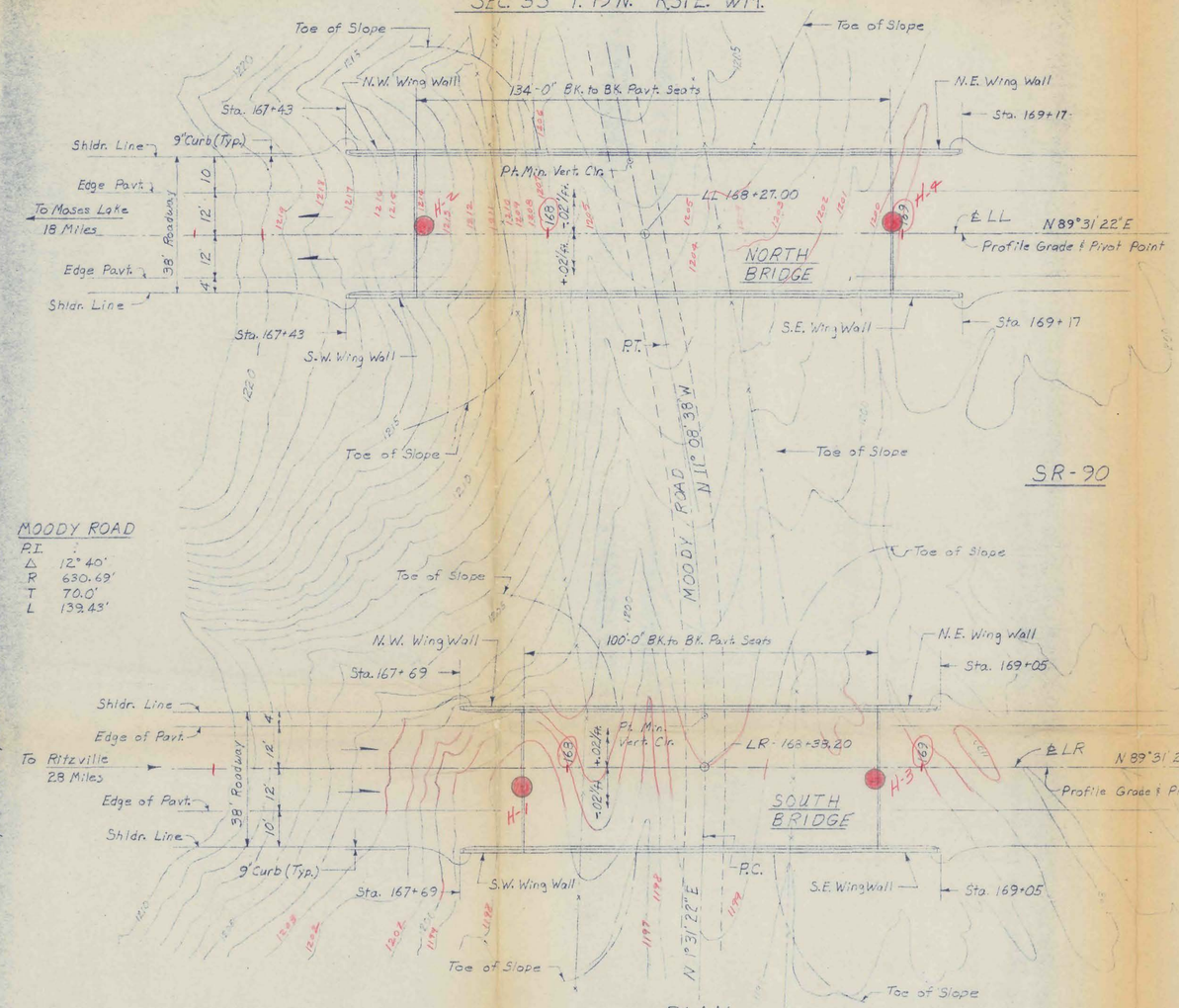
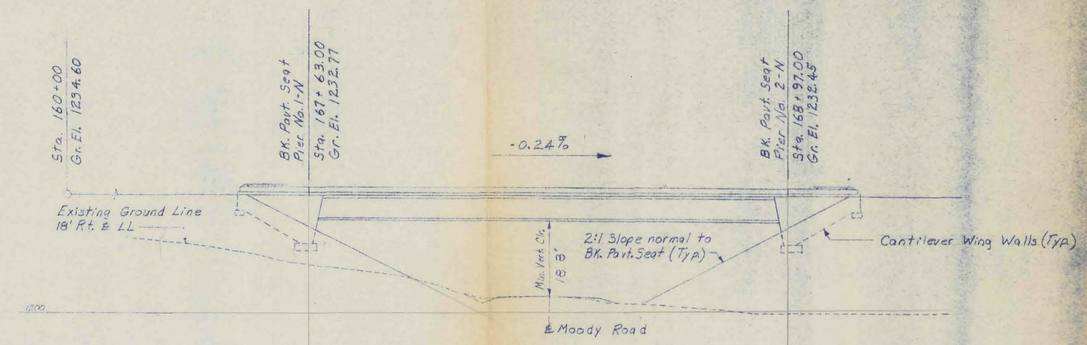
OCT 30 1968

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	WASH.				



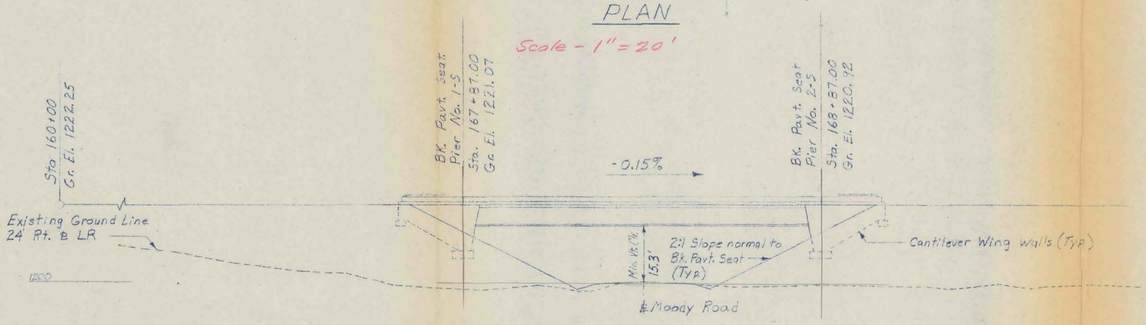
PLAN

Scale - 1" = 20'



ELEVATION ~ NORTH BRIDGE

Grade elevations shown are finish grades on ℄ LL and are equal to profile grade



ELEVATION ~ SOUTH BRIDGE

Grade elevations shown are finish grades on ℄ LR and are equal to profile grade.

DATUM

Note to District:

1. Please furnish Datum.
2. Will Approach Pavt. be Black Top?
3. Will bridge be constructed before, with, or after approach fills?
4. Please furnish Moody Road P.I.
5. Will Toe of Slope be inside Right of Way? (R/W Line not shown on field data.)
6. Please verify Roadway Slope.
7. Please verify distances to Moses Lake & Ritzville.

LOADING: HS-20
OR
2-24ᵏ AXLES @ 4' CTRS.

A.D.T. 1990 10,350
D.H.V. 1990 710 & 600
Class: Int.

OCT 30 1968

Layout Ckd. by J.M.L. ~ 10-16-68

120' Series P.S. Girder, & Exter. Girder 1'-3" from Curb Line (North Br.)
100' Series P.S. Girder, & Exter. Girder 1'-3" from Curb Line (South Br.)
A'd. mension = 9" No Asphalt Overlay assumed.
Pt. Min. Vert. Clr.: N. Br. & LL Sta. 168+23.08 (20.75' Lt.)
S. Br. & LR Sta. 168+38.00 (14.75' Lt.)

Engineer of Bridge Design			
Supervising Bridge Engr.			
Designed			
Design Checked			
Drawn by	(W.B.H.)	A.W.B.	Oct. 1968
Quantities Figured			
Quantities Checked			

SR 90-1532-1

Program No. 65060A0 Control Sect. 0101 R BL. 604-A SR 90 Moody Road O-Xing

H. F. 26.66 (Rev. 5-67)

WASHINGTON
STATE HIGHWAY COMMISSION
DEPARTMENT OF HIGHWAYS

Original to Materials Engineer
Copy to Bridge Engineer
Copy to District Engineer
Copy to

LOG OF TEST BORING

P S.H. 18 S.R. 90 Section Grant Co. Line to Ritzville Job No. L-2323
Hole No. H-1 Sub Section Moody Road O'Xing: Pier 1-S Cont. Sec. 0101-R
Station 1F 167 + 87 Offset 5' Rt. ℄ Ground El. 1198.0
Type of Boring Rotary with Mud 8C48-8 Casing 4" 5.5 W.T. El.
Inspector Calvin Lockwood Date 26 March 1969 Sheet 1 of 2

DEPTH	BLOWS PER FT.	PROFILE	SAMPLE TUBE NOS.	DESCRIPTION OF MATERIAL
	11		4 5 6 6 Std. Pen 1	SILT & SAND - Slightly compact, brown, fine with small amount fine gravel throughout
				SAND GRAVEL & COBBLES - Very dense, brown, all sizes shattered basalt bedded in silt (Lost about 1/2 tub of mud at 4.5 - acted like a void)
5 5.3	100/4"		4"-10 Std Pen 2	
10 10.5 10.8	100/4"		4"-10 Std Pen 3	(No Recovery - Wash in jar from 5.0 - 10.0 area)
15 15.5 15.7	100/2"		2"-10 Std. Pen 4	(No recovery - Wash in jar from 10.0 - 15.0 area)
20				

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Hole No. H-1 Sub Section Moody Road O'Xing: Pier 1-S Sheet 2 of 2

DEPTH	BLOWS PER FT.	PROFILE	SAMPLE TUBE NOS.	DESCRIPTION OF MATERIAL
20.5				(No Recovery - Wash in jar from 15.0 - 20.0 area)
20.7	100/2"		2"-100 Std Pen	Test Boring stopped at 20.7
			5	
				Water Level: Probably a dry hole
				-4.0 44 hrs. after casing removed
				but water measured was our drilling
				mud
25				
				Samples dry except for water pumped
				in to wash out hole
				Lost water at 4.5, but very little thereon
				Started hole with auger, but all sizes
				gravel from 2.0 to 3.5 caused
				auger to hang up, so changed to
				casing with mud
				Basalt bedrock outcropping in draw
				about 300 ft. north

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STATE HIGHWAY COMMISSION
DEPARTMENT OF HIGHWAYS

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LOG OF TEST BORING

P S.H. 18 S.R. 90 Section Grant Co. Line to Ritzville Job No. L-2323
Hole No. H-2 Sub Section Moody Road O'Xing: Pier 1-N Cont. Sec. 0101-R
Station L1 167 + 65 Offset 2' Lt. ℄ Ground El. 1215.0
Type of Boring Rotary with mud 8C48-8 Casing 4" 2.5 W.T. El.
Inspector Calvin Lockwood Date 26-27 March 1969 Sheet 1 of 2

DEPTH	BLOWS PER FT.	PROFILE	SAMPLE TUBE NOS.	DESCRIPTION OF MATERIAL
	2		1 1 1 3 Std. Pen 1	SILT & SAND - Very loose, brown, fine
				SAND & GRAVEL - Very dense, brown
				all sizes, shattered basalt - bedded
5				in silt
5.3	100/4"		4"-10⌀ Std. Pen 2	
10				
10.2	100/2"		3"-10⌀ Std. Pen 3	
15				
15.5	121/6"		121 Std. Pen 4	
20				

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Hole No. H-2 Sub Section Moody Road O'Xing: Pier 1-N Sheet 2 of 2

DEPTH	BLOWS PER FT.	PROFILE	SAMPLE TUBE NOS.	DESCRIPTION OF MATERIAL
20.3	123/3"		3"-123 Std. Pen 5	(No Recovery - Wash in jar from cutting in hole) Test boring stopped at 20.3
				Water Level: Probably a dry hole -5.0 24 hrs. after casing removed, but water measured was our drilling mud
				Samples dry - Except for water used in washing out hole

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DEPARTMENT OF HIGHWAYS

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LOG OF TEST BORING

P S.H. 18 S.R. 90 Section Grant Co. Line to Ritzville Job No. L-2323
Hole No. H-3 Sub Section Moody Road O'Xing: Pier 2-S Cont. Sec. 0101-R
Station Lr 168+87 Offset 3' Rt. ℄ Ground El. 1199.0
Type of Boring Rotary with mud 8C48-8 Casing 4" 5.5 W.T. El. Not obtained
Inspector Calvin Lockwood Date 27 March 1969 Sheet 1 of 2

DEPTH	BLOWS PER FT.	PROFILE	SAMPLE TUBE NOS.	DESCRIPTION OF MATERIAL
	5		2 2 3 4 Std. Pen 1	SILT & SAND Loose, brown fine
5				
	9		4 4 5 5 Std. Pen 2	
10				
	5		2 2 3 2 Std. Pen 3	
			A B U-4	
15				
	18		A 11 11 7 17 U-5 Std. Pen 6	SAND - Compact, brown, silty, all sizes - with small amount fine gravel (shattered basalt & some caleche)
20				SILTY SAND & GRAVEL - Very dense, brown

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Hole No. H-3 Sub Section Moody Road O'Xing Pier 2-S Sheet 2 of 2

DEPTH	BLOWS PER FT.	PROFILE	SAMPLE TUBE NOS.	DESCRIPTION OF MATERIAL
				all sizes, shattered basalt
	100		20 Std. 50 Pen 50 7	
25				
			Std	(No recovery - of material in place - sample from wash cuttings in hole)
26.3	100/3"		3"-100 Pen 8	(Gravel more closely laid - less silt at 27.0 to 28.0)
				BEDROCK - Very dense, shattered, black
30				basalt - with brown silt in fractures
31.2	106/2"		2"-100 Std Pen 9	(No recovery of material in place - sample from wash cuttings this area)
			W A S H	
35			10	
			W A S H	BEDROCK - Black, basalt (harder drilling & not so highly fractured as at 28.0)
40			11	
				TEST BORING STOPPED AT 41.0
				Water Level: Not obtained - Hole filled immediately upon removing casing
				Samples dry - except for water used in washing out hole
45				

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DEPARTMENT OF HIGHWAYS

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LOG OF TEST BORING

P S.H. 18 S.R. 90 Section Grant Co. Line to Ritzville Job No. L-2323
Hole No. H-4 Sub Section Moody Road O'Xing: Pier 2-N Cont. Sec. 0101-R
Station L1 168+98 Offset 3' Lt. ℄ Ground El. 1201.0
Type of Boring Rotary with mud 8C48-8 Casing 4" 5.0 W.T. El.
Inspector Calvin Lockwood Date 27 March 1969 Sheet 1 of 2

DEPTH	BLOWS PER FT.	PROFILE	SAMPLE TUBE NOS.	DESCRIPTION OF MATERIAL
	3		1 2 Std. Pen 1 1 2	SILT & SAND - Very loose to loose, brown fine
5	9		4 5 Std. Pen 4 2 4	
10	10		4 5 Std. Pen 5 3 6	
15	19		10 9 Std. Pen 10 4 10	SILTY SAND & GRAVEL - slightly compact to dense, brown, all sizes sand, & fine gravel
20				

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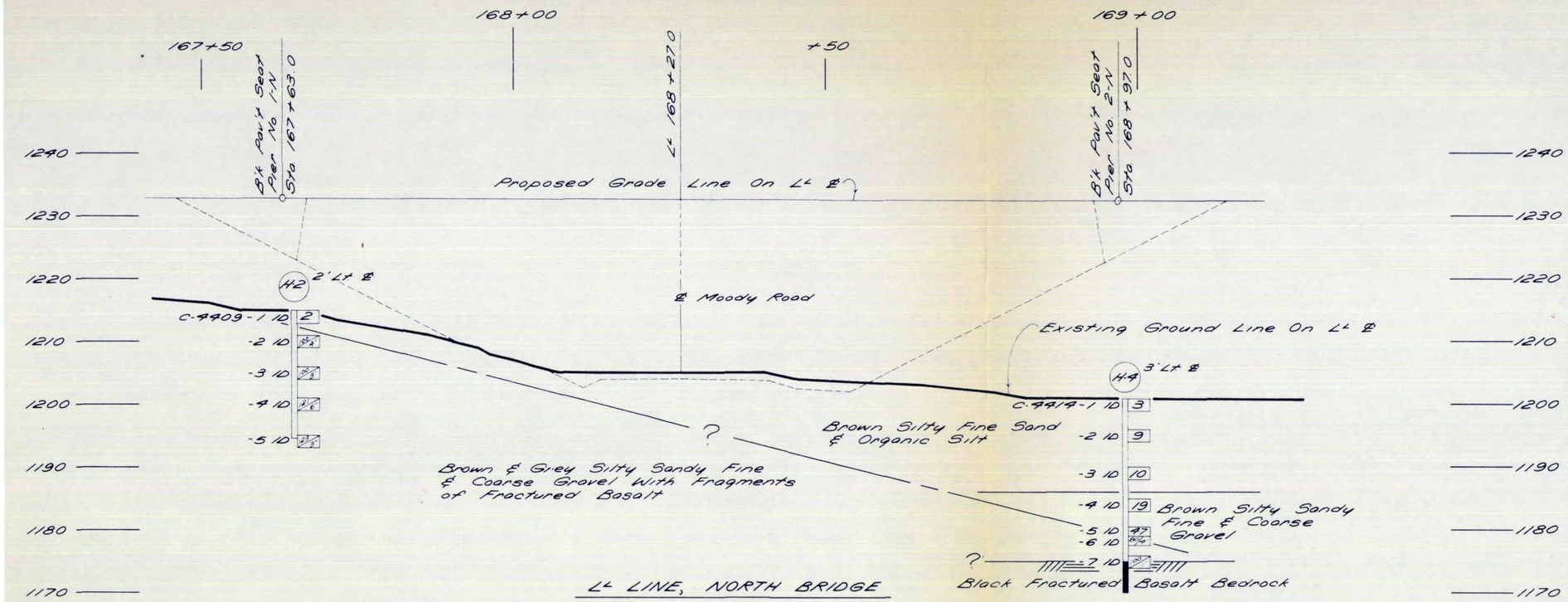
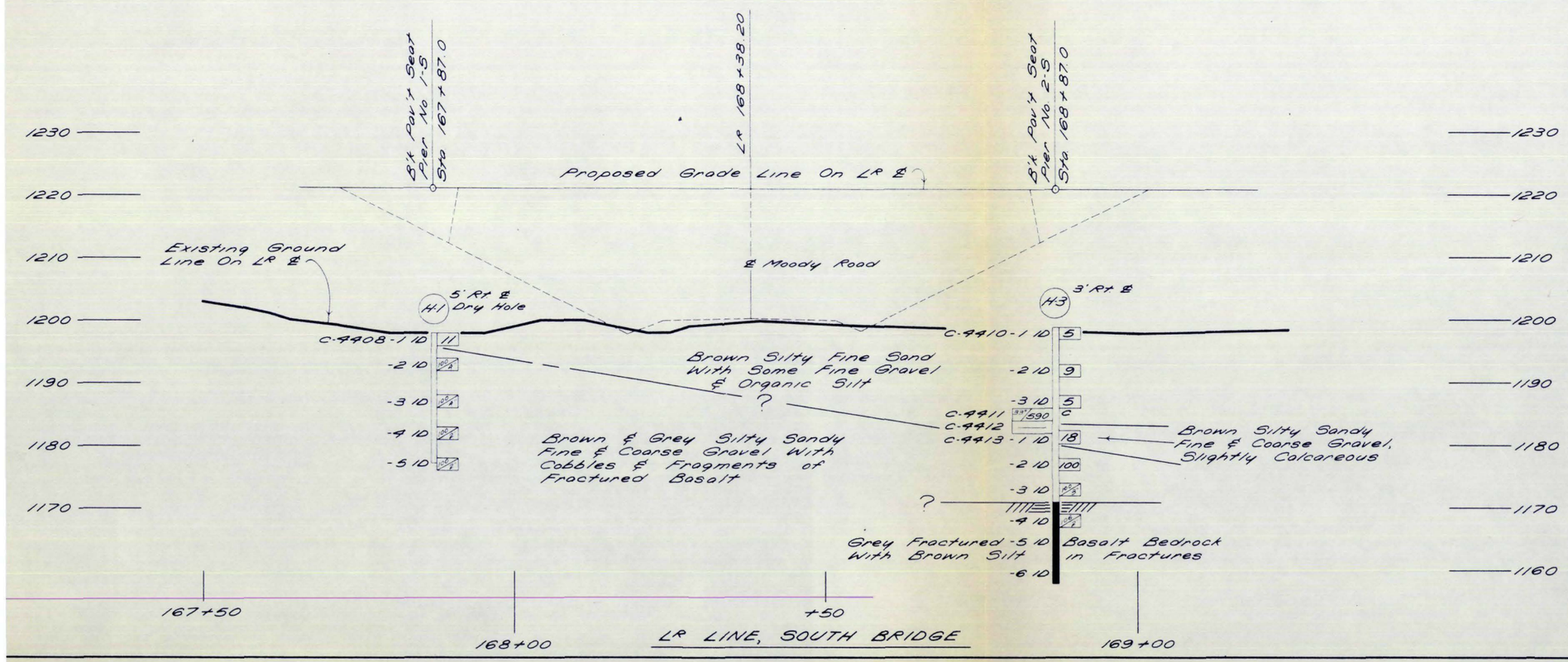
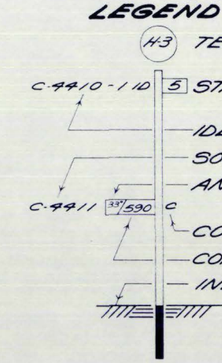
Hole No. H-4 Sub Section Moody Road O'Xing: Pier 2-N Sheet 2 of 2

DEPTH	BLOWS PER FT.	PROFILE	SAMPLE TUBE NOS.	DESCRIPTION OF MATERIAL
	47		20 27 Std. Pen 5	
22.3	80/4"		4" 80	
			W A S H 6A	SHATTERED BASALT - very dense, brown
				bedded in silt
25				
	100/1"		1" 100 Std Pen	
			W A S H 6 7	BASALT BEDROCK - Very dense,
				black, shattered
30				
				TEST BORING STOPPED AT 31.0
				Water Level: -8.0 16 hrs. after casing removed - but probably a dry hole as water measured was our drilling mud
35				
				Samples dry to 5.0 - moist 5.0 to 10.0 - dry 10.0 & thereon





TEST HOLE LEGEND



THIS PRINT REDUCED 50%

JOB NO. L2323 [redacted] (S.R. 90) C.S. 0101

GRANT COUNTY LINE TO RITZVILLE MOODY ROAD O'X-ING

FOUNDATION PROFILE

WASHINGTON STATE HIGHWAY COMMISSION
DEPARTMENT OF HIGHWAYS
MATERIALS DIVISION
R. Y. LECLERC — MATERIALS ENGINEER

DATE June 1969
SCALE 1" = 10' VERT
1" = 10' HORIZ
SHEET 1 OF 1