

**MUESER RUTLEDGE CONSULTING ENGINEERS**  
**BORING LOG**

**BORING NO.** MR-302U  
**SHEET** 1 **OF** 2  
**FILE NO.** 6909  
**SURFACE ELEV.** 6.0  
**RES. ENGR.** BEN BENBASSET

**PROJECT** ALLIED-SIGNAL INC. BALTIMORE WORKS  
**LOCATION** BALTIMORE, MARYLAND

DAILY PROGRESS	SAMPLE			SAMPLE DESCRIPTION	STRATA	DEPTH	CASING BLOWS	REMARKS	
	NO.	DEPTH	BLOWS/6"						
1030 Tuesday 3-13-90 90°F Sunny Breezy								6" Asphalt	
	1D	5.0	2-2	Stiff dk brn fine sandy silt, tr organic clay pockets, gravel (Fill) (ML)	F	5.0		1D: DPC-N Wood in tip.	
		7.0	2-7						
	2D	10.0	WR-WR	Soft blk organic silty clay, tr brn fine sand pockets, gravel, veg (OH)			10.0		2D: DPC-Pink
		12.0	WR-3						
	3D	12.0	5-7	Soft blk organic silty clay, sm wood, tr veg (OH)					3D: DPC-N Wood is one 15" piece. No wood in jar sample.
		14.0	10-16				14.0		
	NR	14.0	P=24"	No Recovery-Undisturbed tube sample attempted			15.0		4U: Torv=2=80 psf.
		16.0	R=0"						
	4U	16.0	P=24"	Soft dk gry-blk organic silty clay, sm wood, tr fine sand (OH)		O			5U: Torv=2=80 psf.
		18.0	R=24"						
	5U	18.0	P=24"	Do 4U (OH)					End of boring at 22.0'.
		20.0	R=24"				20.0		Grouted upon completion.
	6D	20.0	1-1	Soft-medium dk gry organic silty clay, tr peat, fine sand, mica (OH)			22.0		
		22.0	1-3						
1330									
						25.0			
						30.0			
						35.0			
						40.0			
						45.0			
						50.0			

# MUESER RUTLEDGE CONSULTING ENGINEERS

**PROJECT** ALLIED-SIGNAL INC. BALTIMORE WORKS **BORING NO.** MR-302U  
**LOCATION** BALTIMORE, MARYLAND **SHEET** 2 **OF** 2  
**BORING LOCATION** NORTH BULKHEAD **FILE NO.** 6909  
**DATE** \_\_\_\_\_ **SURFACE ELEV.** 6.0  
**DATUM** BC&CMD

**BORING EQUIPMENT AND METHODS OF STABILIZING BOREHOLE**

**TYPE OF BORING RIG** TRUCK MD-B-80 **TYPE OF FEED DURING DRILLING** MECHANICAL **CASING USED**  YES  NO  
**SKID** \_\_\_\_\_ **HYDRAULIC** X **DIA., IN.** \_\_\_\_\_ **DEPTH, FT.** FROM \_\_\_\_\_ **TO** \_\_\_\_\_  
**BARGE** \_\_\_\_\_ **OTHER** \_\_\_\_\_ **DIA., IN.** \_\_\_\_\_ **DEPTH, FT.** FROM \_\_\_\_\_ **TO** \_\_\_\_\_  
**OTHER** \_\_\_\_\_ **DIA., IN.** \_\_\_\_\_ **DEPTH, FT.** FROM \_\_\_\_\_ **TO** \_\_\_\_\_

**TYPE AND SIZE OF:**  
**D-SAMPLER** 2" O.D. SPLIT SPOON **DRILLING MUD USED**  YES  NO  
**U-SAMPLER** 3" DIA. GUS **DIAMETER OF ROTARY BIT, IN.** 3-7/8  
**S-SAMPLER** \_\_\_\_\_ **TYPE OF DRILLING MUD** REVERT  
**CORE BARREL** \_\_\_\_\_ **AUGER USED**  YES  NO  
**CORE BIT** \_\_\_\_\_ **TYPE AND DIAMETER, IN.** \_\_\_\_\_  
**DRILL RODS** N W **CASING HAMMER, LBS.** \_\_\_\_\_ **AVERAGE FALL, IN.** \_\_\_\_\_  
**CASING HAMMER, LBS.** 140 **AVERAGE FALL, IN.** 30

**WATER LEVEL OBSERVATIONS IN BOREHOLE**

DATE	TIME	DEPTH OF HOLE	DEPTH OF CASING	DEPTH TO WATER	CONDITIONS OF OBSERVATION

**PIEZOMETER INSTALLED**  YES  NO **SKETCH SHOWN ON** \_\_\_\_\_  
**STANDPIPE:** TYPE \_\_\_\_\_ ID, IN. \_\_\_\_\_ LENGTH, FT. \_\_\_\_\_ TOP ELEV. \_\_\_\_\_  
**INTAKE ELEMENT:** TYPE \_\_\_\_\_ OD, IN. \_\_\_\_\_ LENGTH, FT. \_\_\_\_\_ TIP ELEV. \_\_\_\_\_  
**FILTER:** MATERIAL \_\_\_\_\_ OD, IN. \_\_\_\_\_ LENGTH, FT. \_\_\_\_\_ BOT. ELEV. \_\_\_\_\_

**PAY QUANTITIES**

**2.5" DIA. DRY SAMPLE BORING** LIN. FT. \_\_\_\_\_ **NO. OF 3" SHELBY TUBE SAMPLES** \_\_\_\_\_  
**3.5" DIA. U-SAMPLE BORING** LIN. FT. 22.0 **NO. OF 3" UNDISTURBED SAMPLES** 2  
**CORE DRILLING IN ROCK** LIN. FT. \_\_\_\_\_ **OTHER** \_\_\_\_\_

**BORING CONTRACTOR** ENVIRONMENTAL DRILLING INC.  
**DRILLER** SCOTT HAUGE **HELPERS** KYLE BERIONT, BRIAN PHILLIPS  
**REMARKS** GROUTED UPON COMPLETION.  
**RESIDENT ENGINEER** BEN BENBASSET **DATE** 3-13-90