

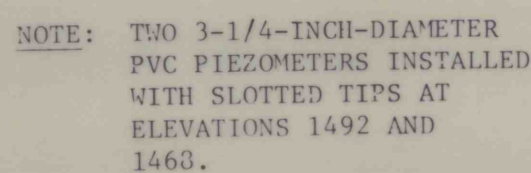
GRAVEL
SAND
SILT
CLAY
ORGANIC MATTER
ROOTS

 SILTSTONE
 SANDSTONE
 SHALE
 COAL

 FILL

 APPROXIMATE EXISTING GROUND

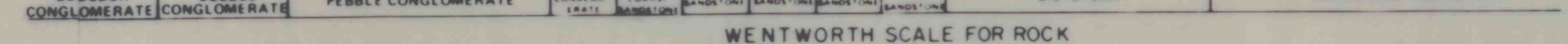
 APPROXIMATE TOP OF ROCK



TRACE - INDICATES PRESENT OF LESS THAN 10% OF SUBJECT MATERIAL BY WEIGHT
SOME - INDICATES PRESENT OF 10 TO 30% OF SUBJECT MATERIAL BY WEIGHT.
AND - INDICATES PRESENT OF 30 TO 50% OF SUBJECT MATERIAL BY WEIGHT.

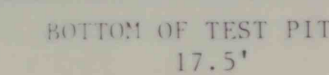
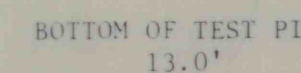
DESIGNATION	BLOWS PER FOOT
VERY LOOSE	0-4
LOOSE	5-10
MEDIUM DENSE	11-30
DENSE	31-50
VERY DENSE	OVER 50

STANDARD PENETRATION RESISTANCE IS THE NUMBER OF BLOWS REQUIRED TO DRIVE A 2 INCH O. D. SPLIT BARREL SAMPLER 12 INCHES USING A 140 POUND HAMMER FALLING FREELY THROUGH 30 INCHES. THE SAMPLER WAS DRIVEN 18 INCHES AND THE NUMBER OF BLOWS RECORDED FOR EACH 6 INCH INTERVAL. THE RESISTANCE TO PENETRATION IS INDICATED ON THE DRAWING AS BLOWS PER FOOT



THE SPACING OF THE DISCONTINUITIES
IN THE ROCK MAY BE DESCRIBED
BY ONE OF THE FOLLOWING TERMS

DESCRIPTIVE TERMS	SPACING
VERY BROKEN	LESS THAN 1 IN
BROKEN	1 IN TO 3 IN
SLIGHTLY BROKEN	3 IN TO 6 IN
MASSIVE	6 IN AND GREATER



D'APPOLONIA