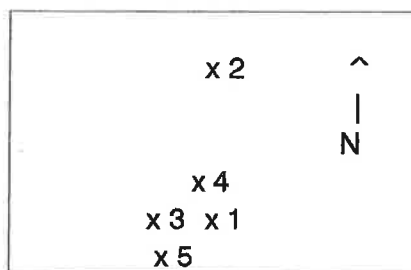


Sabin Hall Piezometers  
Construction Information



Updated 11/17/98

	1	2	3	4	5
Diameter (in)	1.25	1.25	1.25	2	1.25
Screen Length (ft)	5	5	3	5	5
Screen Depth (ft) (BGS)	36.5 to 41.5	49 to 54	37 to 40	37.5 to 42.5	37.5 to 42.5
Construction Date	1983 (replaced 93)	1992	1988	1996	1998
Sand Pack (ft) (BGS)	?	45 to 54	35 to 40	37.7 to 42.5	36.5 to 42.5
Gravel Depth (ft) (BGS)	38 to 41	38 to ? (grav in clay)	38 to 41	41 to 42.5	41 to 42 ?
Stickup (ft)	3.1	2.3	0.8	2.7	2.5
Well Head Elev (m)	0	-0.366	-0.783		
Depth to Water (m) (from well head) (11/17/98)	5.276	13.929	ND	13.591	ND
Screen Depth (m from well head) (Constructed) (Real 11/98)	12.04 to 13.56 12.04 to 12.22	15.64 to 17.16 15.64 to 15.79	11.53 to 12.44 11.53 to 12.93	12.19 to 13.72 12.19 to 13.74	12.19 to 13.72 12.19 to 13.56
Hole Diameter (in)	4	4	4	6	6
K (cm/sec)	4E-06	1.90E-06	1.30E-03		

**GROUND WATER OBSERVATIONS**

While drilling \_\_\_\_\_ Time after drilling Upon completion  
 Before casing removal \_\_\_\_\_ Depth to water 6.59m  
 After casing removal \_\_\_\_\_ Depth to cave-in 11.55m

Moisture  
 D = Damp  
 M = Moist  
 W = Wet

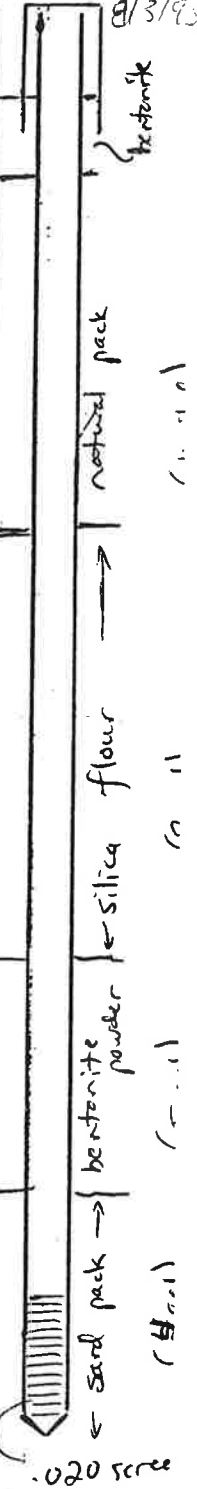
WA = Washahead  
 FT = Fish tail  
 RB = Rock bit

**DRILLING METHOD**  
 ST = Shelby tube  
 DM = Drilling mud  
 SS = Split spoon  
 A = Auger  
 C = Coring  
 W = Wash  
 E = Easy  
 M = Medium  
 H = Hard

Start \_\_\_\_\_  
 Unit \_\_\_\_\_  
 Chief \_\_\_\_\_

Flow on	Flow on	VISUAL FIELD CLASSIFICATION AND REMARKS		Flow on
Sample No.	Flow on	Flow on	Flow on	Flow on
#1	Damp	Top soil Red clay, no clasts ↑ variable moisture ↓ contact		
#2	Damp	Very sticky brown clay, small clasts - up to 2-3mm More sticky brown clay, clasts up to 15mm More of same More of same		
#3	Damp	Brown clay with clasts Drills sticky (Hit a rock)		
	Moist	Very slow to drill Tight brown clay		
		Very slow drilling A highly compacted gravel Only evidence is well-rounded gravel on bit on recovery - in clay, gravel up to 1cm		

Add 2ft of pipe on 8/3/92



Checked by \_\_\_\_\_ Final \_\_\_\_\_ Boring No. \_\_\_\_\_

Refusal at 54 feet.  
 (High torque, little progress,  
 very hot engine)

020 sieve



GROUND WATER OBSERVATIONS

While drilling \_\_\_\_\_ Time after drilling November 19, 20 & 24, 1992

Before casing removal \_\_\_\_\_ Depth to water \_\_\_\_\_

After casing removal \_\_\_\_\_ Depth to cave-in \_\_\_\_\_

Moisture  
D = Damp  
M = Moist  
W = Wet

WA = Washhead  
FT = Fish tail  
RB = Rock bit

DRILLING METHOD  
ST = Shelby tube  
DM = Drilling mud  
SS = Split spoon  
A = Auger  
C = Coring  
W = Wash

E = Easy  
M = Medium  
H = Hard

Start 563 class  
Unit 1992  
Chief \_\_\_\_\_

Sample No.	Moisture	Blows on Sampler		Sample and Recovery	VISUAL FIELD CLASSIFICATION AND REMARKS	Verified Strength	Boulders	Blows on		Drilling Method
		0/6	6/12					Casing Size	Probe Size	
					top soil					
92/1	M				Red clay with clasts, good "fat" clay (can be rolled into pencil thin cigar). Occasional clasts ( $\leq 5$ mm), subangular. Unsaturated, silty, clasts of various types.					
92/2	M	11/10	20	100	Same as above STOP DAY 1					
					contact, unknown					
92/3	W	10/11	14	83	Brown clay w. trace gravel, wet, plastic (CH). Clasts are $< 5$ mm, subangular.					
92/4		9/9	11	0	Soft, wet sediment - easy drilling from 15' down Sample lost on recovery STOP DAY 2					
					After start up, all material came up hole as liquid					
92/5					Sample 5 was taken of This zone, but its location in column is not known. Est at 27 - 31 ft.					
92/6					Sample 6 is off auger - clay which wrapped around flight and was expelled. Brown clay similar to 92/2 above					
					Gravel - no sample, but material on auger flights on recovery was well rounded granules to ~3cm clasts - diam. size ~5mm. No true sample as was covered with clay from hole.					
					Refusals @ 43'					

GRAB

SS

SS

SS

GRAB of liquid

GRAB off auger

OH