

JOHNSON, POOLE & BLOOMER CONSULTING MINING & ENGINEERING GEOLOGISTS & MINERAL SURVEYORS Copyright Reserved	SITE: BRANTON HILL LANE, ALDRIDGE.		B.H. 1	
	CLIENT: HILLS AGGREGATES LIMITED.	REF. 88071		
	DATES DRILLED: 4/3/88	DIAMETER: 150mm	SURFACE LEVEL: 133.5 m	SHEET 1 OF 1
	CONTRACTOR: GROUND INVESTIGATION AND PILING LIMITED.	MACHINE: PILCON WAYFARER.	ORIENTATION: VERTICAL.	COORDINATES:
DRILLING METHOD: CABLE PERCUSSIVE.				

DRILLING & CASING PROGRESS	WATER	SAMPLE OR TEST				STRATA DESCRIPTION	LEGEND	DEPTH (m)	THICKNESS (m)	O.D. LEVEL (m)
		TYPE	REF	DEPTH (m)	BLOWS					
4/3/88 CASING DRY						Red-brown clayey SAND (DRILLERS DESCRIPTION)	[Symbol: dots and x's]	0.20	0.20	
						Red silty fine to medium SAND			1.60	
		B	1	0.50-1.50				1.80	0.30	
		B	2	1.50-2.50			Red brown sandy CLAY (DRILLERS DESCRIPTION)	[Symbol: horizontal dashes]	2.10	
						Red silty fine to medium SAND	[Symbol: dots and x's]	2.50	0.40	
						END OF BOREHOLE				

KEY D DISTURBED SAMPLE B BULK SAMPLE U UNDISTURBED SAMPLE ∇ W WATER SAMPLE S STANDARD PENETRATION TEST C CONE PENETRATION TEST √ WATER STRUCK ▼ STANDING WATER LEVEL	REMARKS Water added to borehole at 0.20m. Boring terminated at 2.50metres, cutting shoe jammed in borehole.	SCALE 1:50
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SITE: BRANTON HILL LANE, ALDRIDGE.

CLIENT: HILLS AGGREGATES LIMITED.

REF. 88071

B.H. 2

DATES DRILLED 4/3/88 - 7/3/88

DIAMETER 150mm

SURFACE LEVEL 134.5 m

SHEET 1 OF 1

CONTRACTOR GROUND INVESTIGATION AND PILING LIMITED.

MACHINE PILCON WAYFARER.

ORIENTATION VERTICAL.

CO-ORDINATES

DRILLING METHOD CABLE PERCUSSIVE.

DRILLING & CASING PROGRESS	WATER	SAMPLE OR TEST				STRATA DESCRIPTION	LEGEND	DEPTH (m)	THICKNESS (m)	O.D. LEVEL (m)
		TYPE	REF.	DEPTH (m)	BLOWS					
4/3/88						Red slightly silty fine to medium SAND		1.60		
		B	1	0.50-1.50						
		B	2	1.50-2.50		Reddish brown sandy CLAY (DRILLERS DESCRIPTION)		0.30		
		B	3	2.50-3.50		Red silty fine to medium SAND		1.60		
		B	4	3.50-4.50		Red slightly silty fine to medium SAND				
		B	5	4.50-5.50						
CASING 7/3/88	DRY	B	6	5.50-6.50				5.50		
		B	7	6.50-7.50						
		B	8	7.50-8.50						
		B	9	8.50-9.00						
		W	10	8.80						
						END OF BOREHOLE				

KEY

- D DISTURBED SAMPLE
- B BULK SAMPLE
- U UNDISTURBED SAMPLE
- ▽ W WATER SAMPLE
- S STANDARD PENETRATION TEST
- C CONE PENETRATION TEST
- ▽ WATER STRUCK
- ▼ STANDING WATER LEVEL

REMARKS Standpipe installed to a depth of 9 metres. Water added to borehole at 0.50 metres.

SCALE 1:50

JOHNSON, POOLE & BLOOMER CONSULTING MINING & ENGINEERING GEOLOGISTS & MINERAL SURVEYORS © Copyright Reserved		SITE: BRANTON HILL LANE, ALDRIDGE.			B.H. 3					
		CLIENT: HILLS AGGREGATES LIMITED.		REF. 88071						
		CONTRACTOR GROUND INVESTIGATION AND PILING LIMITED.	MACHINE PILCON WAYFARER.	ORIENTATION VERTICAL.	CO-ORDINATES	DRILLING METHOD CABLE PERCUSSIVE.				
		DATES DRILLED 7/3/88 - 8/3/88	DIAMETER 150mm	SURFACE LEVEL 134.5	SHEET 1 OF 1					
DRILLING & CASING PROGRESS	WATER	SAMPLE OR TEST				STRATA DESCRIPTION	LEGEND	DEPTH (m)	THICKNESS (m)	O.D. LEVEL (m)
		TYPE	REF.	DEPTH (m)	BLOWS					
7/3/88	DRY					Red silty fine to medium SAND with scattered subrounded coarse quartzite gravel		0.80	0.80	
		B	1	0.50-1.50		Red silty CLAY (DRILLERS DESCRIPTION)			1.30	0.50
		B	2	1.50-2.50		Red silty fine to medium SAND with scattered subrounded coarse quartzite gravel		1.50	0.20	
		B	3	2.50-3.50		Red silty fine to medium SAND				
		B	4	3.50-4.50						
		B	5	4.50-5.50					6.20	
		B	6	5.50-6.50						
8/3/88	DRY	B	7	6.50-7.70				7.70		
CASING	DRY									
END OF BOREHOLE										
Chiselling hard strata										
0.30-0.80 metres: ½ hour										
1.30-5.70 metres: 1½ hour										
KEY D DISTURBED SAMPLE S STANDARD PENETRATION TEST B BULK SAMPLE C CONE PENETRATION TEST U UNDISTURBED SAMPLE ∇ WATER STRUCK ∇ W WATER SAMPLE ▼ STANDING WATER LEVEL						REMARKS Water added to borehole at 0.40 metres. Boring terminated at 7.70 metres, cutting shoe jammed in borehole.		SCALE 1:50		

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SITE: BRANTON HILL LANE, ALDRIDGE.

CLIENT: HILLS AGGREGATES LIMITED.

REF. 88071

B.H. 4

DATES DRILLED 15/3/88

DIAMETER 150mm

SURFACE LEVEL 133.4

SHEET 1 OF 1

CONTRACTOR GROUND INVESTIGATION & PILING LIMITED.

MACHINE PILCON WAYFARER.

ORIENTATION VERTICAL.

CO-ORDINATES

DRILLING METHOD CABLE PERCUSSIVE.

DRILLING & CASING PROGRESS	WATER	SAMPLE OR TEST				STRATA DESCRIPTION	LEGEND	DEPTH (m)	THICKNESS (m)	O.D. LEVEL (m)
		TYPE	REF.	DEPTH (m)	BLOWS					
15/3/88						Sandy topsoil (DRILLERS DESCRIPTION) Rounded and subrounded fine to coarse quartzite GRAVEL with sandy clay		0.30	0.30	
		B	1	0.50-1.50				1.20		
		B	2	1.50-2.50		Red clayey sandy SILT with rounded and subrounded fine to coarse quartzite gravel		1.50	0.70	
		B	3	2.50-3.50		Red sandy SILT		2.20	1.30	
		B	4	3.50-4.50		Red silty fine to medium SAND		3.50		
	▽ (5.10)	B	5	4.50-5.00						
	W			5.10					4.00	
		B	6	5.50-6.50						
		B	7	6.50-7.50						
CASING REMOVED	5.10					<i>Standard</i>		7.50		
CASING REMOVED	4.80					END OF BOREHOLE <i>Water</i>				

KEY
 D DISTURBED SAMPLE S STANDARD PENETRATION TEST
 B BULK SAMPLE C CONE PENETRATION TEST
 U UNDISTURBED SAMPLE ∇ WATER STRUCK
 ∇ W WATER SAMPLE ▼ STANDING WATER LEVEL

REMARKS Water added to borehole to assist drilling.

SCALE 1:50


JOHNSON, POOLE & BLOOMER

CONTINUATION SHEET 2 OF 2

B.H. 5

SITE BRANTON HILL LANE, ALDRIDGE.

REFERENCE 88071

DRILLING & CASING PROGRESS	WATER	SAMPLE OR TEST				STRATA DESCRIPTION	LEGEND	DEPTH (m)	THICKNESS (m)	O.D. LEVEL (m)
		TYPE	REF.	DEPTH (m)	BLOWS					
CASING	DRY					Red SILT with fine sand (cont)		10.50		
						END OF BOREHOLE				

KEY

- D DISTURBED SAMPLE
- B BULK SAMPLE
- U UNDISTURBED SAMPLE
- ▽ W WATER SAMPLE
- S STANDARD PENETRATION TEST
- C CONE PENETRATION TEST
- ▽ WATER STRUCK
- ▽ STANDING WATER LEVEL

REMARKS:

Borehole terminated at 10.50 metres due to lack of effective penetration.)

SCALE: 1:50

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SITE: BRANTON HILL LANE, ALDRIDGE.

CLIENT: HILLS AGGREGATES LIMITED.

REF. 88071

B.H. 5

DATE DRILLED
14/3/88-15/3/88

DIAMETER
150mm

SURFACE LEVEL
139.3

SHEET 1 OF 2

CONTRACTOR
GROUND INVESTIGATION & PILING LIMITED.

MACHINE
PILCON WAYFARER.

ORIENTATION
VERTICAL.

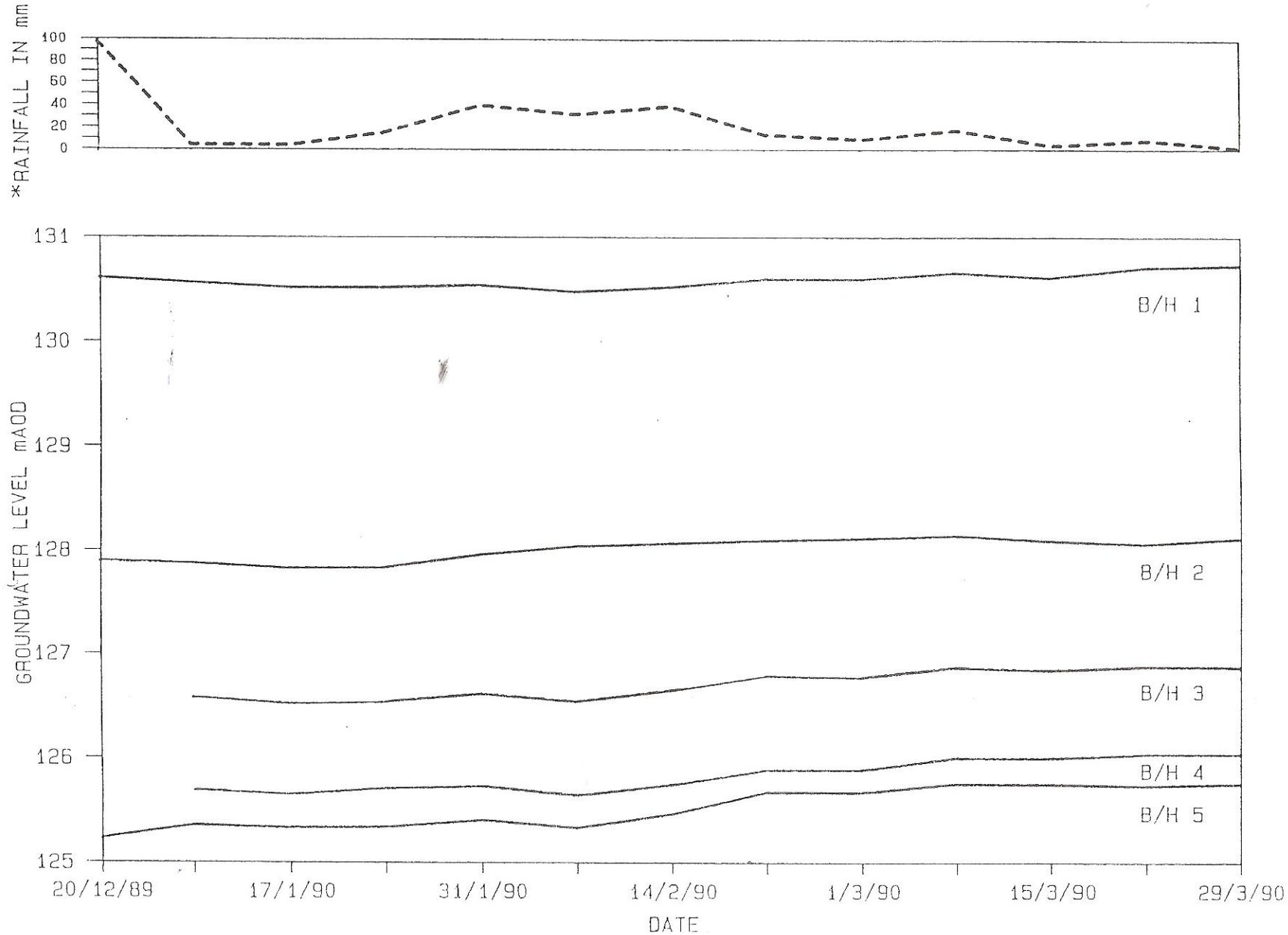
CO-ORDINATES

DRILLING METHOD
CABLE PERCUSSIVE.

DRILLING & CASING PROGRESS	WATER	SAMPLE OR TEST				STRATA DESCRIPTION	LEGEND	DEPTH (m)	THICKNESS (m)	O.D. LEVEL (m)
		TYPE	REF	DEPTH (m)	BLOWS					
14/3/88										
		B	1	0.50-1.50		Sandy topsoil	[Symbol]	0.40	0.40	
						Red silty fine to medium SAND	[Symbol]	1.10	1.10	
		B	2	1.50-2.50		Red slightly silty fine to coarse SAND with occasional subrounded fine quartzite gravel	[Symbol]	1.50	1.00	
		B	3	2.50-3.50		Red slightly silty fine to coarse SAND with rounded and subrounded fine to medium quartzite gravel	[Symbol]	2.50	1.00	
		B	4	3.50-4.50		Red slightly silty fine to coarse SAND with occasional subrounded fine quartzite gravel	[Symbol]	3.50	1.00	
		B	5	4.50-5.50		Red slightly silty fine to coarse SAND with occasional subrounded fine quartzite gravel and angular fine to medium gravel sized fragments of very weak silty sandstone	[Symbol]	4.50	1.00	
		B	6	5.50-6.50		Red slightly silty fine to coarse SAND with occasional subrounded fine quartzite gravel	[Symbol]	5.50	1.00	
		B	7	6.50-7.50		Red silty fine to medium SAND with red silty clay	[Symbol]	6.50	1.20	
		B	8	7.50-8.50		Red silty CLAY with fine sand and occasional angular fine to medium gravel sized fragments of red and green very weak silty sandstone	[Symbol]	7.70	0.80	
15/3/88		B	9	8.50-9.50		Red SILT with fine sand	[Symbol]	8.50		
		B	10	9.50-10.50			[Symbol]		2.00	

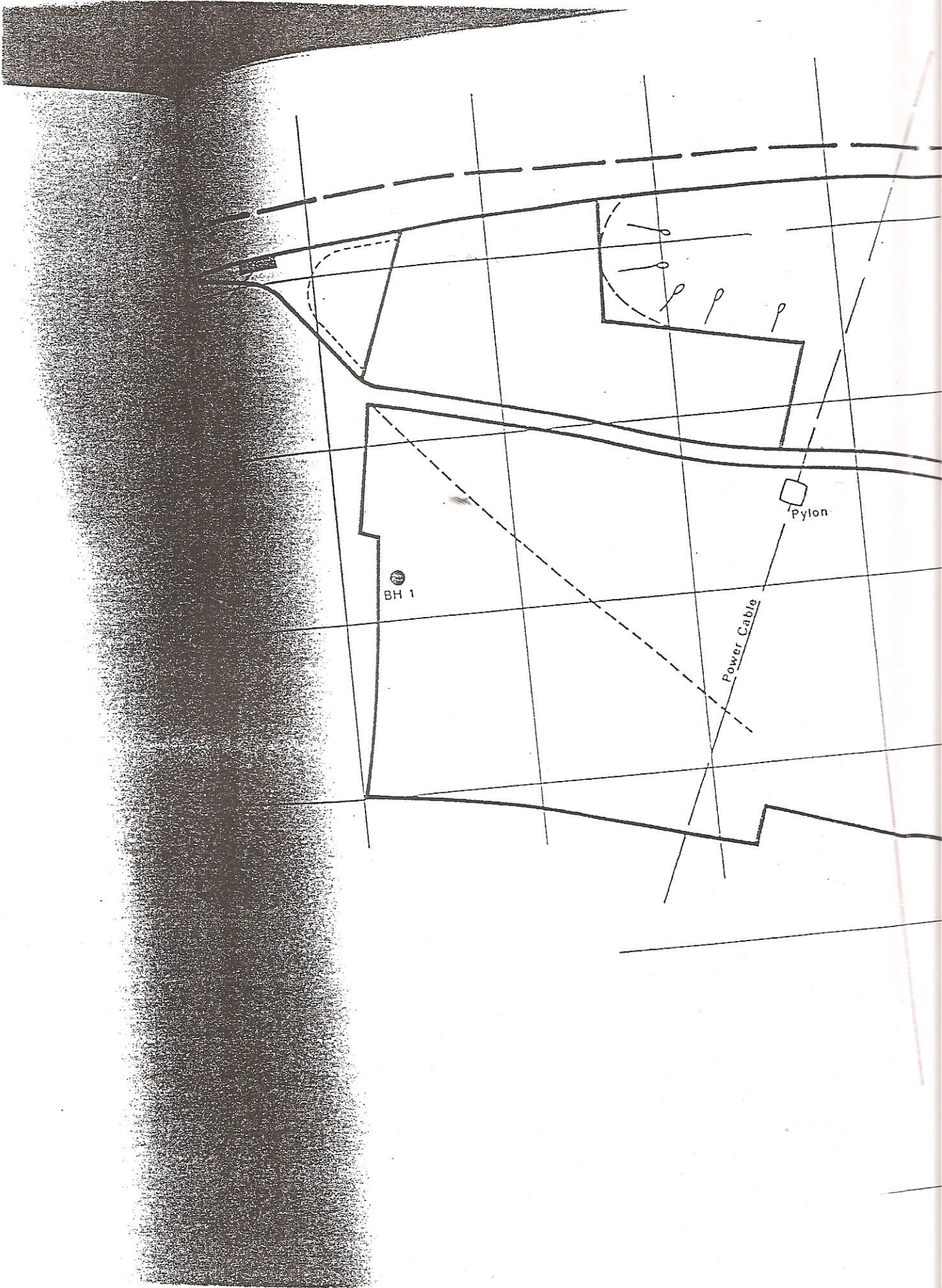
<p>KEY</p> <p>D DISTURBED SAMPLE S STANDARD PENETRATION TEST</p> <p>B BULK SAMPLE C CORE PENETRATION TEST</p> <p>U UNDISTURBED SAMPLE ∇ WATER STRUCK</p> <p>∇ W WATER SAMPLE ▼ STANDING WATER LEVEL</p>	<p>REMARKS</p> <p>Water added to borehole at 0.50 metres.</p>	<p>SCALE 1:50</p>
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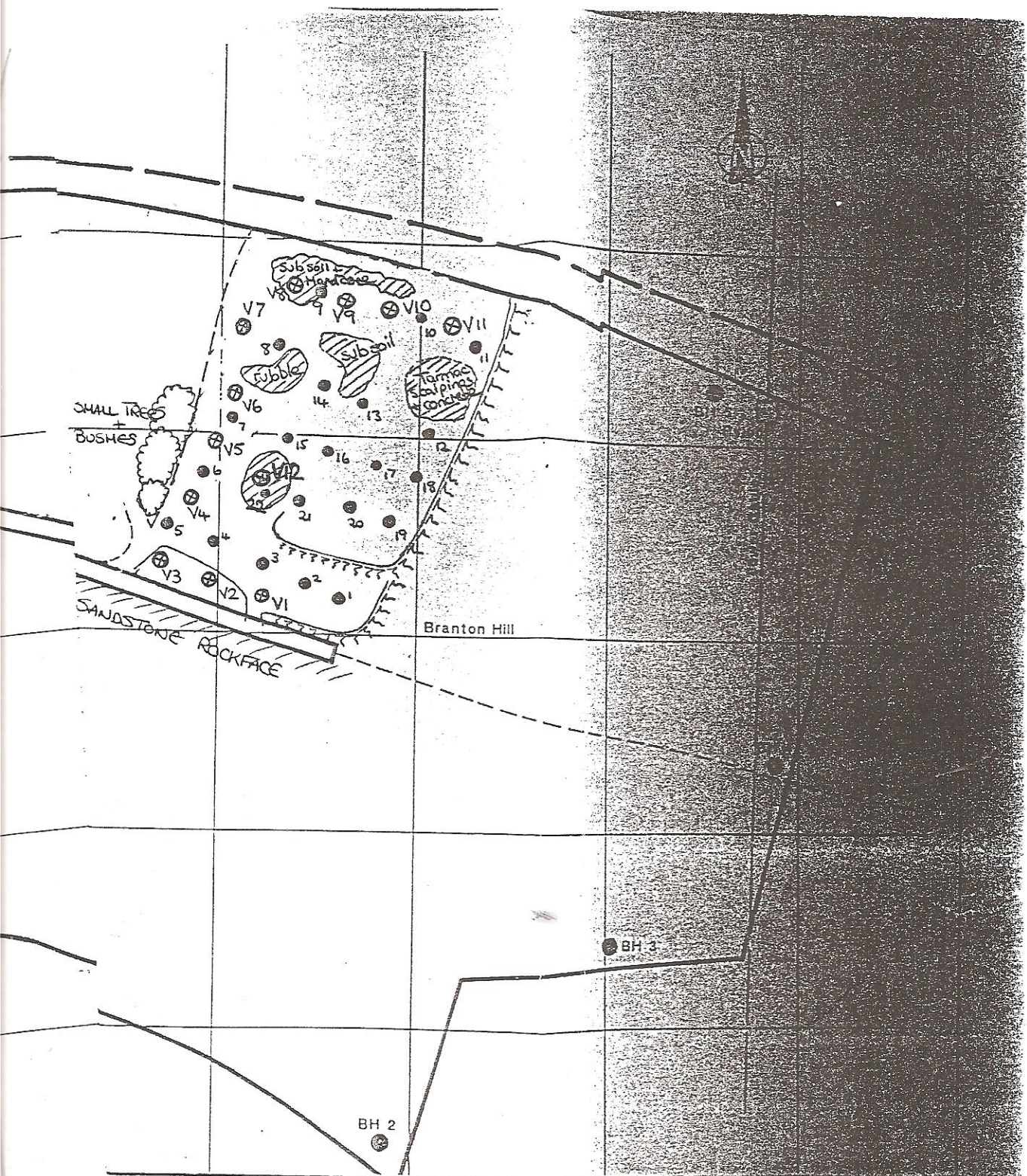
AT
BLISS SAND AND GRAVEL



*RAINFALL AT ROUDNE VALE PUMPING STATION

JPB Site Investigation Logs 1988





HINSON, POOLE & LOOMER MINERAL RESOURCE ENGINEERS Copyright Reserved	Client Bliss Sand & Gravel Ltd	Title Sketch Plan of Tip Disposal Site
	Project HINSON HILL LAKE Landfill Site	Data and Venting Report
Date June 1990	Scale 1:2500	Drawing GS/9003/02