

SDTONE / 257

FORM WR-38

National Rivers Authority

North West Region

BOREHOLE RECORD

NRA
No.

(Please type)

A. SITE DETAILS

Borehole drilled for	WATER SUPPLY WRB N ^o SD 70/250A.	
Location	STAND GOLF CLUB, WHITE FELD	
NGR (8 fig.)	SD 7976 0586	Please attach site plan
Ground Level (if known) ..	c120m	
Drilling Company	GEO RESEARCH LTD, STOKPORT	
Date of drilling	Commenced: 5/6/96	Completed: 18/6/96

B. CONSTRUCTION DETAILS

Borehole datum (if not ground level)..... Top of DIP TUBE 0.2 m below GL ^{above}
(point from which all measurements of depth are taken eg flange, edge of chamber, etc)

Borehole drilled diameter 400 mm from 0 to 15 m/depth
300 mm from 15 to 24.7 m/depth
250 mm from 24.7 to 34.5 m/depth

Casing material PLAIN PLASTIC diameter 200 mm from 0 to 6 m/depth
and type (eg plain steel, plastic slotted)
PLASTIC SLOTTED diameter 250 mm from 6 to 34 m/depth
_____ diameter _____ mm from _____ to _____ m/depth
_____ diameter _____ mm from _____ to _____ m/depth

Grouting details TOP 6m GROUTED WITH CEMENT

Water struck at 5 m (depth below datum - mbd)
_____ m (depth below datum - mbd)

Rest water Level on completion 13.7 mbd

C. TEST PUMPING SUMMARY (Please supply full details on Forms WR-59)

Test Pumping Datum _____ ^{above} m below borehole datum (mbd)
(If different from borehole datum)

Pump Suction Depth 30 mbd

Water Level (Start of Test) 13.25 mbd

Water Level (End of Test) 20.40 mbd

Pumping rate 244.8 m³/d : ~~hrs~~

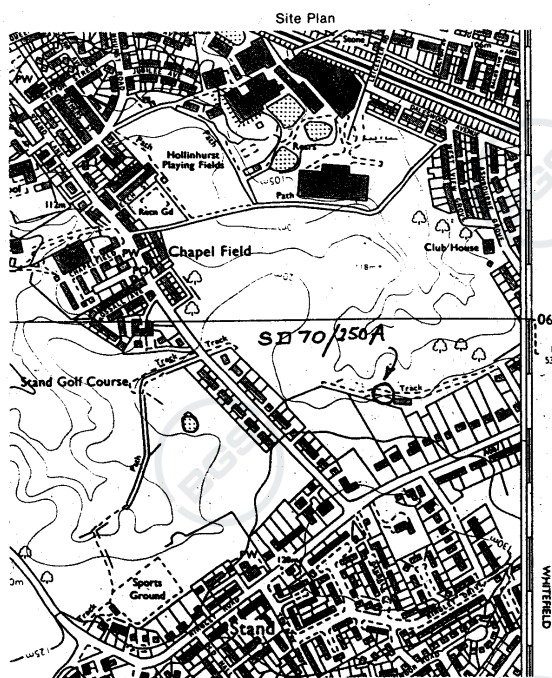
for 5 days : ~~hrs~~

Recovery to 14.4 mbd in 2000 mins : ~~hrs~~ : ~~days~~
(from end of pumping)

Date(s) of measurements 17/10/96 to 22/10/96

Please Supply Chemical Analysis If Available

Name of site STAND GOLF CLUB ABH CENTRAL LS NORTHWEST E.A. THE DALES. ASHBOURNE GROVE WHITEFIELD M/C	W R B No.					
	SD 70/250A					
Owner AS ABOVE	Licence no. Appln no. S7385 Cancelled	Nat. grid ref. SD 7976 - 0586.				
Occupier " "	IGS ref. no.	Status ABH - SPRAY IRRIGATION.				
Ground Level m OD	ft. OD	Aquifer	SUPERFICIAL DEPOSITS.			
Level of well top m OD	ft. OD	Code	III BDSZZ			
Rest water level m bwt	ft. bwt	Summary of geological section		Thickness	Depth	
(Date) m OD	ft. OD	BOREHOLE LOG # CASING DETAILS AVAILABLE.				
Construction: Method		Date 18.6.96				
Depth bwt	Dia.	Linings (below well top)				Type
		From	To	Dia.	Type	
Abstraction rates		Type of pump				
gph PWL		Chem./bact. anal.		YES/NO		
gpd		Well driller GEO RESEARCH LTD.				
If insufficient space has been allowed, continue in 'Notes' overleaf.						



SD 70/250A - STAND GOLF CLUB ABH.
Bonehole drilled under consent
No 895 by GEO Research LTD.
Register & V.I. completed - 12.5.97 Dec
see GC 28/97 for further details.
Copy of white card, BH log, + F.T. data
sent to BGS on 12-5-97 DCP.



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National Rivers Authority

North West Region

BOREHOLE RECORD

NRA
No.

(Please type)

A. SITE DETAILS

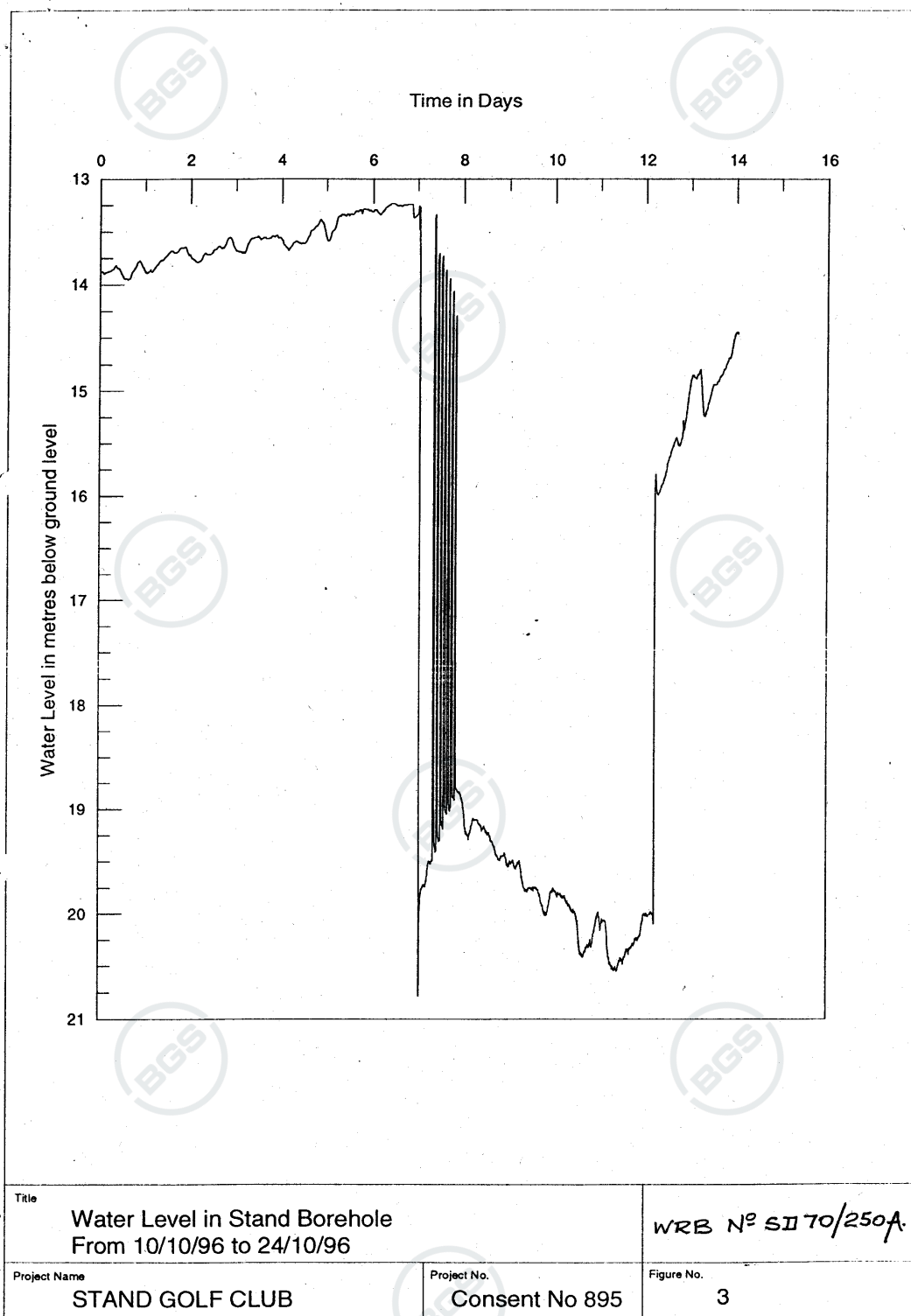
Borehole drilled for WATER SUPPLY WRB N^o SD70/250A.
Location STAND GOLF CLUB, WHITE FELD
NGR (8 fig.) SD 7976 0586 Please attach site plan
Ground Level (If known) .. c120m
Drilling Company GEO RESEARCH LTD, STOCKPORT
Date of drilling Commenced: 5/6/96 Completed: 18/6/96

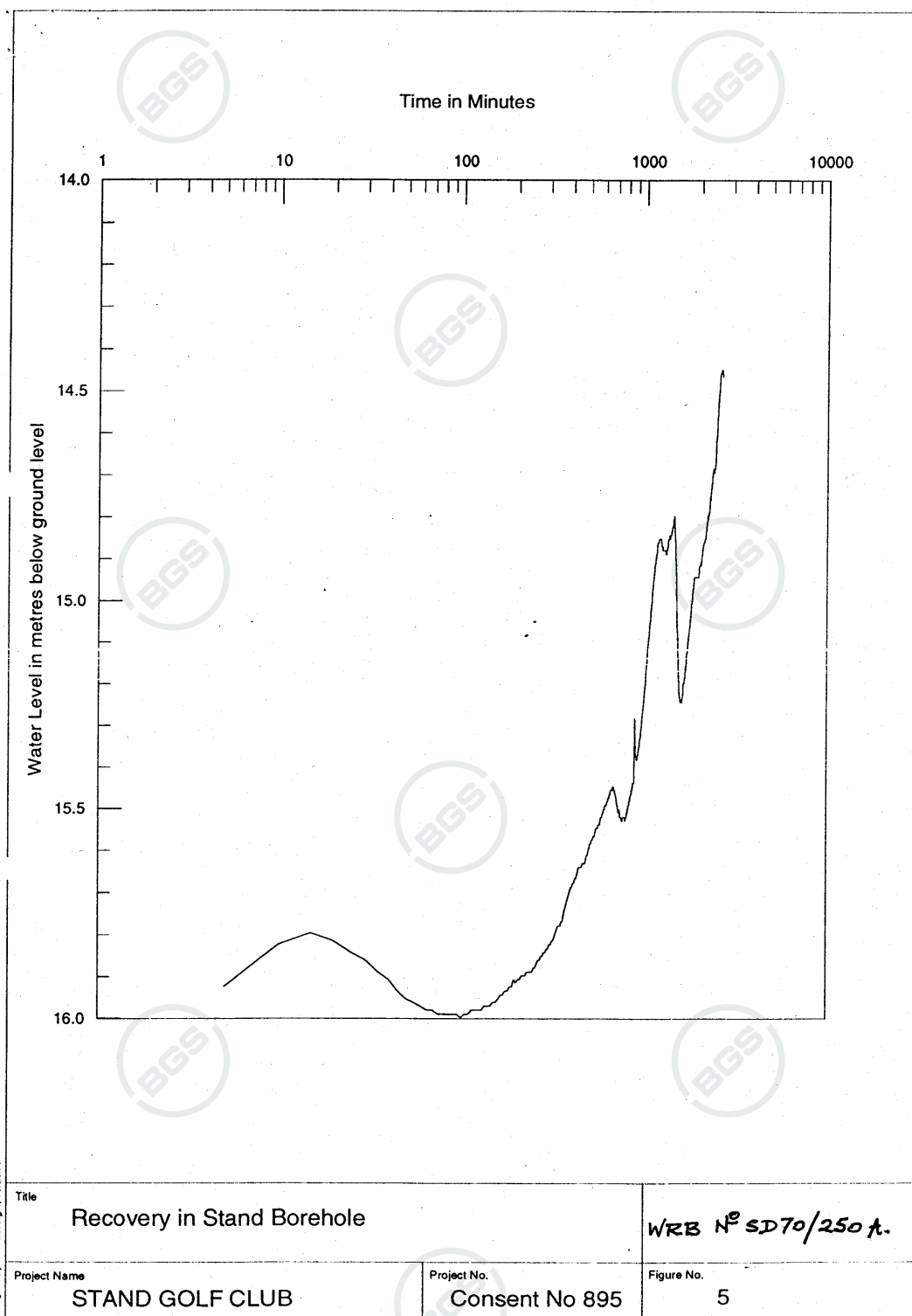
B. CONSTRUCTION DETAILS

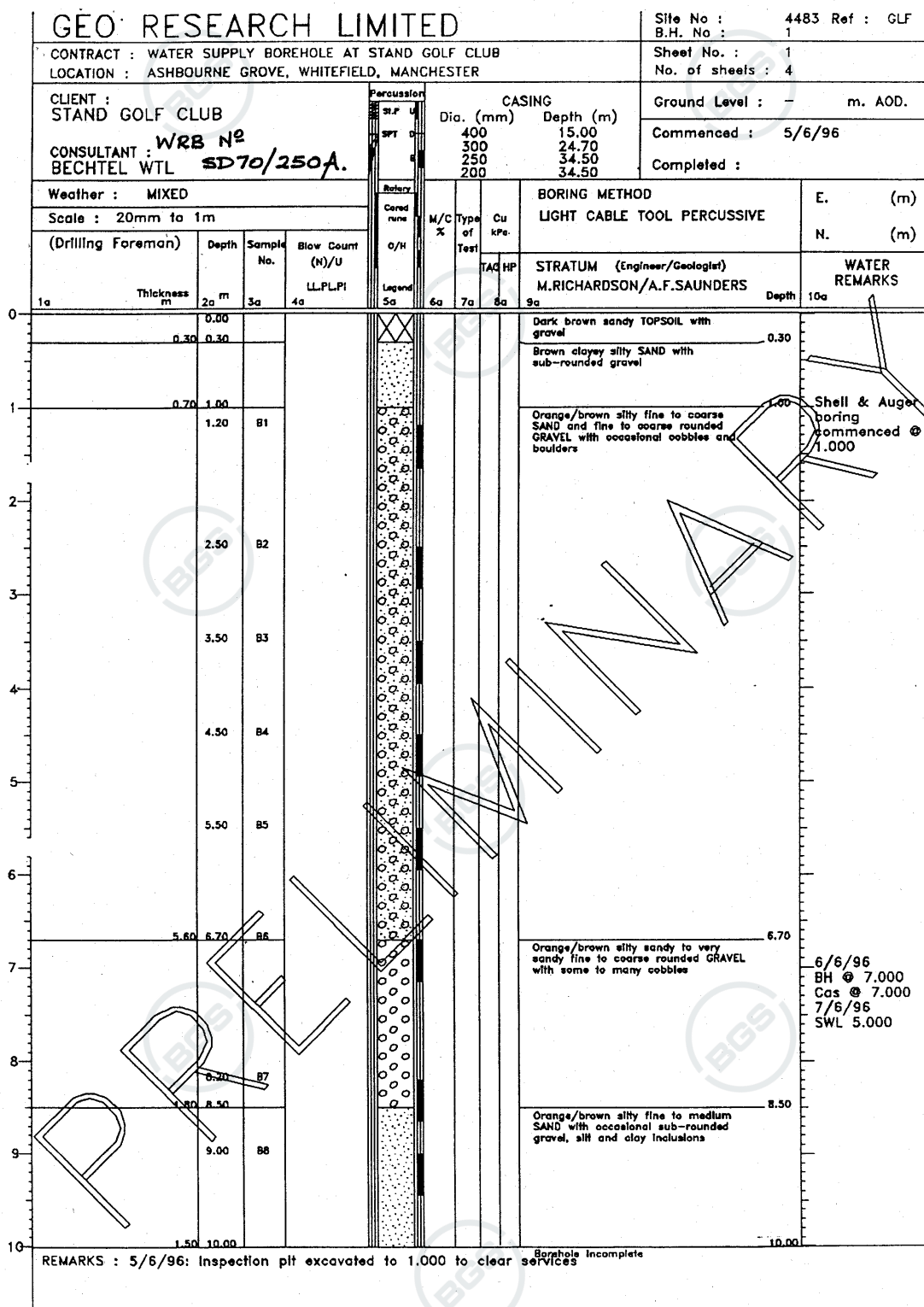
Borehole datum (if not ground level)..... TOP OF DIP TUBE 0.2 m ^{above} below GL
(point from which all measurements of depth are taken eg flange, edge of chamber, etc)
Borehole drilled diameter 400 mm from 0 to 15 m/depth
300 mm from 15 to 24.7 m/depth
250 mm from 24.7 to 34.5 m/depth
Casing material ^{PLAIN} PLASTIC diameter 200 mm from 0 to 6 m/depth
and type (eg plain steel, plastic slotted)
PLASTIC SLOTTED diameter 200 mm from 6 to 34 m/depth
_____ diameter _____ mm from _____ to _____ m/depth
_____ diameter _____ mm from _____ to _____ m/depth
Grouting details TOP 6m GROUTED WITH CEMENT
Water struck at 5 m (depth below datum - mbd)
_____ m (depth below datum - mbd)
Rest water Level on completion 13.7 mbd

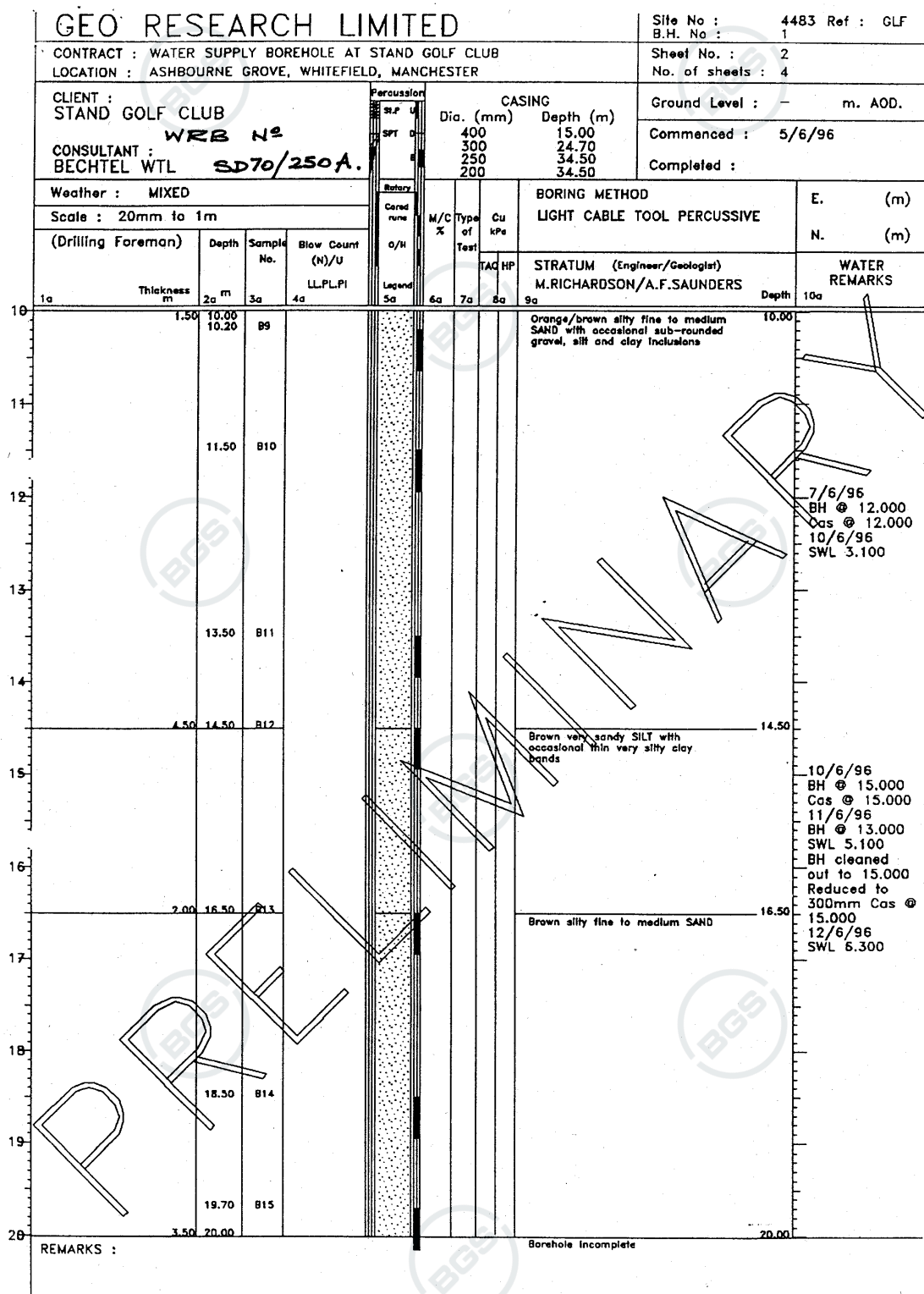
C. TEST PUMPING SUMMARY (Please supply full details on Form WR-39)

Test Pumping Datum ^{above} m below borehole datum (mbd)
(if different from borehole datum)
Pump Suction Depth 30 mbd
Water Level (Start of Test) 13.25 mbd
Water Level (End of Test) 20.40 mbd
Pumping rate 244.8 m³/d : ~~hrs~~
for 5 days/hrs
Recovery to 14.4 mbd in 2000 mins : hrs : days
(from end of pumping)
Date(s) of measurements 17/10/96 to 22/10/96
Please Supply Chemical Analysis If Available











GEO RESEARCH LIMITED										Site No : 4483 Ref : GLF					
CONTRACT : WATER SUPPLY BOREHOLE AT STAND GOLF CLUB										B.H. No : 1					
LOCATION : ASHBOURNE GROVE, WHITEFIELD, MANCHESTER										Sheet No. : 3					
CLIENT : STAND GOLF CLUB										No. of sheets : 4					
CONSULTANT : BECHTEL WTL										Ground Level : - m. AOD.					
Weather : MIXED										Commenced : 5/6/96					
Scale : 20mm to 1m										Completed :					
BORING METHOD LIGHT CABLE TOOL PERCUSSIVE										E. (m)					
STRATUM (Engineer/Geologist) M.RICHARDSON/A.F.SAUNDERS										N. (m)					
WATER REMARKS															
1a	Thickness m	2a	Depth m	3a	Sample No.	4a	Blow Count (N)/U LL,PL,PI	5a	Legend	6a	7a	8a	9a	Depth	10a
20	3.50	20.00												20.00	12/6/96 BH @ 20.000 Cas @ 20.000 13/6/96 SWL 7.200
21															
22		22.00			816										
23	2.50	22.50			817									22.50	
24	0.90	23.40			818									23.40	
25	1.60	25.00			819									25.00	13/6/96 BH @ 24.700 Cas @ 24.700 14/6/96 SWL 7.400
26															
27		27.00			820										
28	1.20	28.20			821									28.20	14/6/96 BH @ 28.500 Cas @ 28.500 Reduced to 200mm Cas @ 28.500 17/6/96 SWL 7.600
29		29.60			822										
30	1.40	30.00												30.00	
REMARKS :										Borehole Incomplete					



GEO RESEARCH LIMITED										Site No : 4483 Ref : GLF	
CONTRACT : WATER SUPPLY BOREHOLE AT STAND GOLF CLUB										B.H. No : 1	
LOCATION : ASHBOURNE GROVE, WHITEFIELD, MANCHESTER										Sheet No. : 4	
CLIENT : STAND GOLF CLUB										No. of sheets : 4	
CONSULTANT : WRB N ^o SD70/250A.										Ground Level : - m. AOD.	
BECHTEL WTL										Commenced : 5/6/96	
Weather : MIXED										Completed :	
Scale : 20mm to 1m										BORING METHOD	
(Drilling Foreman)										LIGHT CABLE TOOL PERCUSSIVE	
Weather : MIXED										E. (m)	
Scale : 20mm to 1m										N. (m)	
(Drilling Foreman)										STRATUM (Engineer/Geologist)	
M. RICHARDSON/A.F. SAUNDERS										WATER REMARKS	
M. RICHARDSON/A.F. SAUNDERS										Depth 10a	
1a	Thickness m	2a m	3a	4a	5a	6a	7a	8a	9a	10a	
30	1.80	30.00								30.00	
31	1.00	31.00								31.00	
32		31.50	B23							31.50	
33										33.00	
34		34.00	B24							34.00	
35	1.50	34.50								34.50	
36										36.00	
37										37.00	
38										38.00	
39										39.00	
40										40.00	

REMARKS :



FORM WR39/1 (A)

PUMPING TEST DATA

National Rivers Authority
North West Region

WR-39/1 (a) - Nwversion1/Jan'95/DCP

CONSTANT RATE PUMPING TEST							
CONSENT NO.		895		SD70/250A		Description of datum point from which measurements were made (eg ground level, flange, dip tube/other):	
Pumping test at		STAND GOLF CLUB					
NGR		SD 7976 05.86					
Observations from		PUMPED HOLE					
NGR				Height above ground level (metres):			
Date	Time	Elapsed time		Depth of water level below datum (metres)	Drawdown (metres)	Meter readings (m ³) or Discharge rate (m ³ /hr)	Comments (eg pump started, pumping rate changed, pump stopped)
		Minutes	Hours				
		DAY (- 3)				* denotes meter reading/flow measurement required	
		DAY (- 2)					
		DAY (- 1)					
17.10.96	13.00	0		SC COMPUTER DISC FOR WATER LEVELS		* 202.04	Initial Reading
17.10.96	16.40	1				237.00	
18.10.96	08.05	2				357.50	
18.10.96	15.22	3				430.20	
19.10.96	08.56	4				616.30	
20.10.96	07.21	5				853.00	
21.10.96	08.50	6				1123.00	
21.10.96	16.44	7				1206.00	
22.10.96	08.05	8				1360.00	
22.10.96	13.10	9				1421.00	Switch off
		10					
		15					
		20					
		25					
		30					
		35					
		40					
		45					
		50					
		55					
		60					
		70					
		80					
		90					
		100					
		120	2				
		150					
		180	3				
		210					
		240	4				
		300	5				

