



MANCHESTER CITY COUNCIL
CITY ENGINEER AND SURVEYORS DEPARTMENT

SJ89NW3425
8325 9770

SITE INVESTIGATION FOR				Main Drainage		DATE COMMENCED				3.8.84			
LOCATION				Bridgewater Street/Rice Street				BORING METHOD				S.S. Multi-Rig	
BOREHOLE No.				3 (Sheet 1 of 2)		BORING DIAMETER				150/60mm			
GRID REFERENCE				SCALE:								1 : 50	
DATE	CASING DEPTH (m)	WATER LEVEL MORNING & EVENING	DEPTH OF STRATA BELOW GL	Reduced Level	DESCRIPTION	No. and Type of Sample	SAMPLE DEPTH PENETRATION		No. of Blows	Legend			
							From	To					
3.8.84			0.05		Bituminous surfacing								
			0.20		Setts								
			0.40		Reinforced concrete								
			2.10		Soft to firm brown very sandy CLAY with stone inclusions and lenses of sand and gravel and ash and brick pieces.	D1	0.5						
						U1	1.2	1.45					
						D2	1.7						
			3.65		Dense to very dense red/brown fine/medium grained SANDSTONE with occasional bands of red/brown silty mudstone.	P1	2.35	2.65	34				
						B1	2.20						
						P2	3.35	3.65	79				
								Red/brown fine/medium grained laminated to thinly bedded moderately weathered weak to moderately weak and very weak SANDSTONE with bands of very weak highly/completely weathered sandstone. - Bands of micaceous sandstone and siltstone/silty mudstone from 3.1 to 5.67.	Core Run	T	S	R	F
3.30 to 4.20	0	0							0	-			
P3	4.2	4.35							90				
4.20 to 5.20	0	0							-				
P4	5.2	5.275							50				
5.20 to 5.67	77	23							0	23			
5.67 to 6.40	74	37	0	13									
contd....													
WATER OBSERVATIONS DURING BORING				WATER LEVEL IN CASED/UNCASED BOREHOLE ON COMPLETION									
DEPTH OF WATER ENTRY (m)	ESTIMATED SEEPAGE	STANDING LEVEL (m)	DEPTH OF CASING WHEN SEALED (m)	DATE	WATER LEVEL	DEPTH OF CASING							
None													
observed													
				REMARKS:- T= Total Core Recovery (%). S = Solid Core Recovery (%). R= Rock Quality Designation (%) Fracture Index (%).									
SAMPLE TEST KEY		D - DISTURBED SAMPLE B - BULK SAMPLE U - UNDISTURBED SAMPLE P - SPT SAMPLE W - WATER SAMPLE											
NOTE: WHERE FULL 0.3 PENETRATION HAS NOT BEEN ACHIEVED, THE NUMBER OF BLOWS FOR THE QUOTED PENETRATION IS GIVEN (NOT N - VALUE)													
ALL DEPTHS AND REDUCED LEVELS IN (m) UNLESS OTHERWISE STATED													
REMARKS Trial hole excavated to 1.2m below ground level. Borehole backfilled with concrete on completion. SPT sample P3 recorded 90 blows in the initial 150mm penetration. SPT sample P4 recorded 50 blows for 75mm penetration within the initial 150mm penetration.													

M/c 5931

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CITY ENGINEER AND SURVEYOR'S DEPT.
MANCHESTER

BHA

SHEET NO: _____
OF: _____

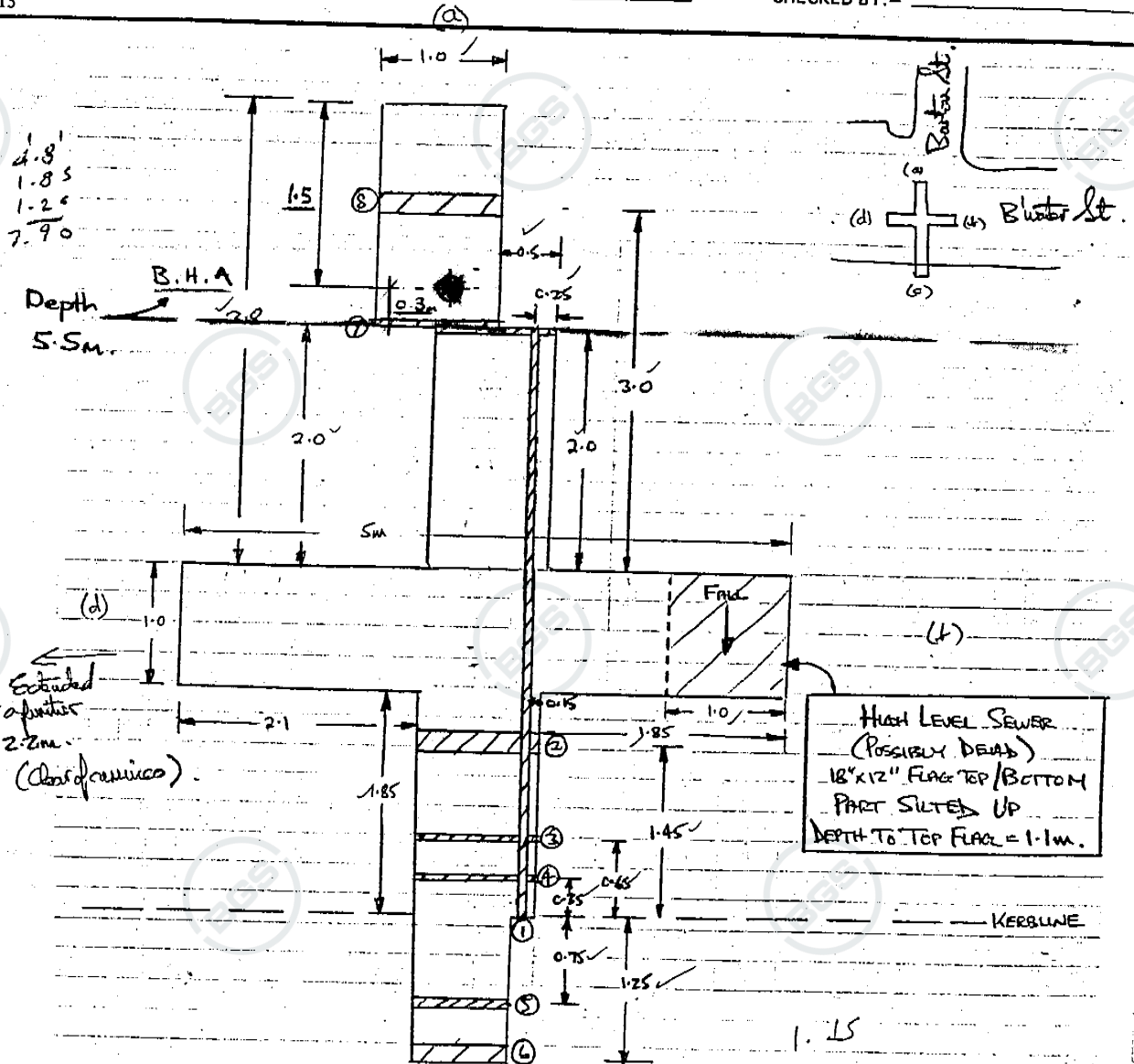
DESIGN SHEET

SECTION

PREPARED BY: GS/ic

PROJECT: TRIAL HOLE N° 2
M/c 2115

DATE: _____
CHECKED BY: _____



- (c)
- ① 4" PVC pipe, d (top) = 0.45m. / British Telecom
 - ② 610mm Ø cast iron pipe, d (top) = 1.17m. / NWWA
 - ③ 4" cast iron pipe, d (top) = 0.65m. / UNIDENTIFIED / Nulysure to drill - confirmed 'no live cables'
 - ④ 3" cast iron pipe, d (top) = 0.75m. /
 - ⑤ 6" cast iron pipe, d (top) = 0.5m. / NW GAS
 - ⑥ Stone slab, d (top) = 0.4m. / NORWEB
 - ⑦ 4" cast iron pipe, d (top) = 0.9m. / NWWA
 - ⑧ Stone slab, d (top) = 0.5m. / NORWEB

SJ89NW3423 - 3432

CITY ENGINEER AND SURVEYOR'S DEPT.
MANCHESTER

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(BH D
not req'd)

SHEET NO:—
OF:—

DESIGN SHEET

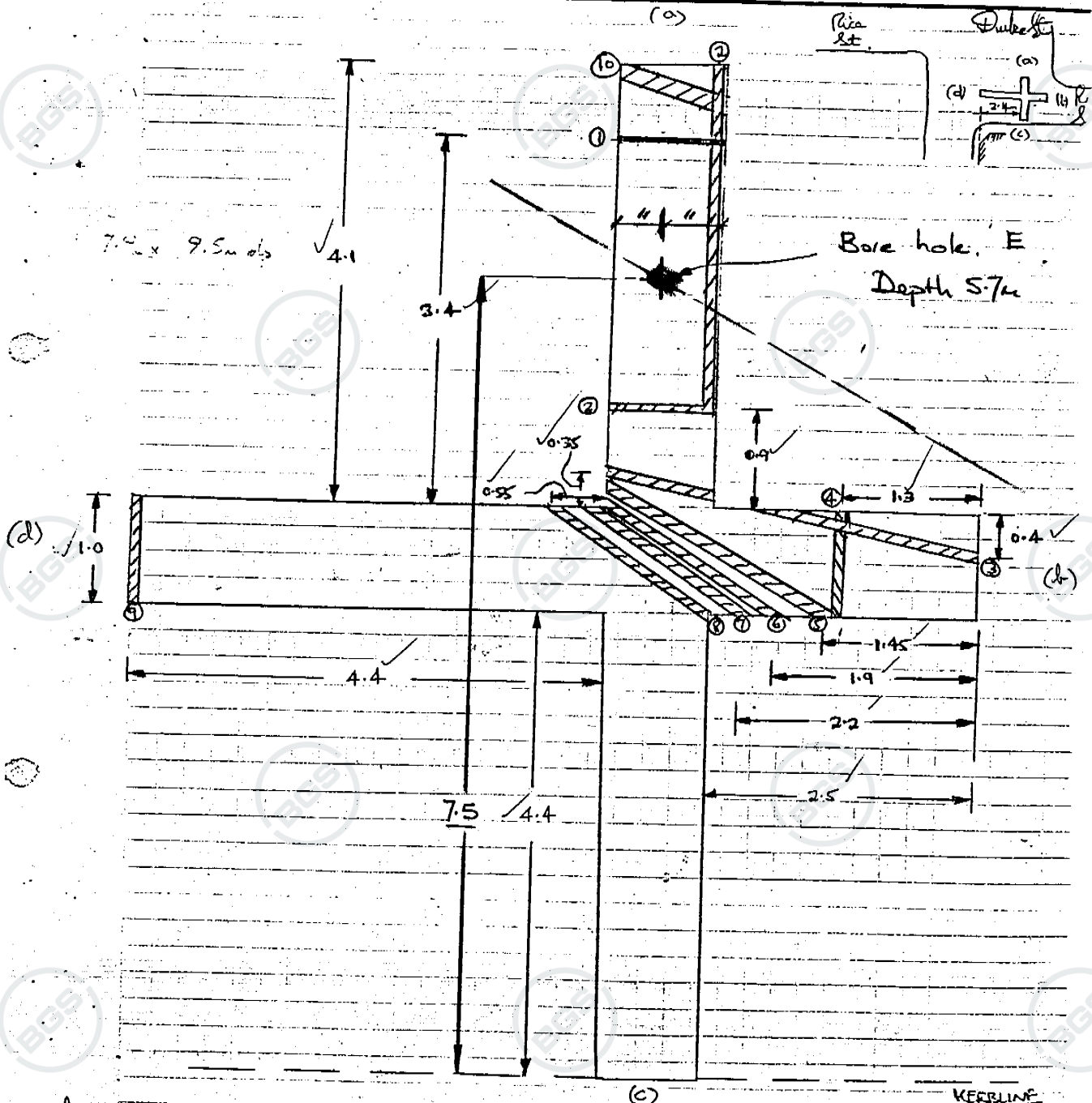
SECTION

PREPARED BY: GS/IC

PROJECT: TRIAL HOLE NO 7
M/c 2115

DATE:—

CHECKED BY:—



4" earthware pipe (broken-repaired), d (top) = 0.8m. / BRITISH TELECOM.

Hydraulic Main, d (top) = 0.8m.

Steel slab, d (top) = 0.6m. / NORWEB.

"cast iron pipe, d (top) = 0.85m. / UNIDENTIFIED - RT; No "LIVE" CABLES.

Steel slab, d (top) = 0.9m. / NORWEB.

"earthware pipe, d (top) = 1.05m. / NORWEB.

"steel slab, d (top) = 1.05m. / NORWEB.

"steel slab, d (top) = 1.05m. / NORWEB.

"cast iron pipe, d (top) = 0.5m. / UNIDENTIFIED - RT; No "LIVE" CABLES.