

ST 58 SE/15-19¹⁵
 DUPLICATE LOGS.



SITE PLAN

Scale 1/2500

⊕ Denotes borehole

⊞ Denotes trial pit

Part traced from drawing supplied by Binnie & Partners Drg. No. 287/1

ALMONDSBURY RESERVOIR	Soils No. Sj. 34.0.7.....
	FIG.1



RECORD OF BOREHOLE NO. 2

ST 58 SE | 15-14

Ground level : + 270.4ft. O.D. (82.42m) Dia. of boring : 8in.
Type of boring : Snell and Auger Lining tubes : 8in. to 18ft.

Daily Progress	Samples		Change of Strata			Description of Strata
	Depth	Type	Legend	Depth	O.D. Level	
	1'6"	D		1'6"	+268.9	TOPSOIL
	1'6" - 3'0"	U(4) D		(0.46m)		Stiff to very stiff laminated grey-brown silty CLAY with chalk fragments above 4ft.
	4'0" - 5'6"	U(4) D				
	10'0" - 11'6"	U(4) D		10'0"	+260.4	Very stiff to hard grey-black MUDSTONE
	11'6" - 13'0"	U(4) D		(3.05m)		
	13'0" - 13'6"	U(4) D		13'0"	+257.4	Very dense grey silty fine SAND with sandstone fragments
12.11.62.	13'6" - 14'6"	S(90)†		(3.96m)		
	18'0" - 19'0"	BD		18'0"	+252.4	Hard laminated grey-green MUDSTONE
	22'0" - 22'3"	U(4)† D				
13.11.62.	24'0" - 25'0"	BD				
	30'0" - 31'0"	BD				Hard grey and red-brown MUDSTONE
	33'0" - 33'3"	C(150)† BD		32'0"	+238.4	
	33'0" - 34'0"	BD		(9.75m)		
	38'0" - 38'2"	C(150)†				
14.11.62.	41'0" - 42'0"	BD		42'0"	+228.4	
				(12.80m)		

Key to type of sample :
 U (4) — 4 in. dia. undisturbed sample.
 U (1½) — 1½ in. dia. " "
 D — disturbed sample.
 BD — bulk disturbed sample.
 W — water sample.
 S () — standard penetration test.
 C () — dynamic cone penetration test.
 No. in brackets gives
 No. of blows/12 in. penetration.

Remarks : (Observations on ground-water, etc.)
 Ground-water was first encountered at depth of 10ft. below ground level
 * Unable to recover sample
 † Full penetration of sampler not attained
 Sample of ground-water taken.

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S/3407

FIG. 3



RECORD OF BOREHOLE NO. 3

ST 58 SE 15-19

Ground level : + 264.5 ft. O.D. (80.62 m) Dia. of boring : 8 in.
Type of boring : Snell and Auger Lining tubes : Not used

Daily Progress	Samples		Change of Strata			Description of Strata
	Depth	Type	Legend	Depth	O.D. Level	
	2'0" - 3'6" 2'6"	U(4) D		(1.83 m) 6'0"	+258.5	Stiff grey-brown CLAY with mudstone fragments
	6'0" - 6'2"	C(50)†		(2.44 m) 8'0"	+256.5	Hard brown SANDSTONE
	9'0"	D		(2.74 m) 9'0"	+255.5	Stiff laminated grey silty CLAY
	10'0" - 10'2"	C(50)†		12'0"	+252.2	Hard grey MUDSTONE
	12'0" - 12'3" 12'0" - 13'0"	C(50)† BD		(3.66 m)		Hard laminated grey-green MUDSTONE
21.11.62.	16'0" - 16'3" 16'0" - 17'0"	C(50)† BD		17'0" (5.18 m)	+247.5	

RECORD OF BOREHOLE NO. 4

Ground level : + 263.3 ft. O.D. (80.42 m) Dia. of boring : 8 in.
Type of boring : Snell and Auger Lining tubes : Not used

	2'0"	D		2'0" (0.61 m)	+261.8	TOPSOIL
	2'6" - 4'0" 4'0"	U(4) D		6'6" (1.98 m)	+257.3	Stiff to very stiff grey-brown CLAY with mudstone fragments
	7'0" - 8'0"	S(72)		11'6" (3.51 m)	+252.3	Hard grey and brown silty sandy CLAY
	10'0" - 11'0"	S(79)		17'0" (5.18 m)	+246.8	Hard red-brown calcareous CLAY
20.11.62.	16'5" - 17'0"	S(72)†				

Key to type of sample :
U (4) — 4 in. dia. undisturbed sample.
U (1½) — 1½ in. dia. " "
D — disturbed sample. " "
BD — bulk disturbed sample.
W — water sample.
S () — standard penetration test.
C () — dynamic cone penetration test.
 No. in brackets gives
 No. of blows/12 in. penetration.

Remarks : (Observations on ground-water, etc.)

B.H.3 Ground-water was first encountered at depth of 14ft.6in. below ground level. Sample of ground-water taken.
 B.H.4 Ground-water was first encountered at depth of 14ft. below ground level. Sample of ground-water taken.
 † Full penetration of sampler not attained.

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S/3407

FIG. 4



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RECORD OF TRIAL PIT NO. 1

Ground level : + 257.7ft. O.D. (78.54m) Size of pit : 6ft. x 4ft.

Daily Progress	Samples		Change of Strata			Description of Strata
	Depth	Type	Legend	Depth	O.D. Level	
				2'0" (0.61m)	+255.7	TOPSOIL
19.11.62.				4'0" (1.22m)	+253.7	Hard grey-brown sandy MUDSTONE
20.11.62.				4'9" (1.45m)	+252.9	Stiff grey sandy CLAY
	6'6" - 8'0"	U(4)		8'0" (2.44m)	+249.7	Firm to stiff grey-brown silty CLAY
21.11.62.	9'0" - 10'0"	BD		10'0" (3.05m)	+247.7	Very stiff to hard mottled brown, grey and green calcareous CLAY

RECORD OF TRIAL PIT NO. _____

Ground level : Size of pit :

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Key to type of sample :
U (4) — 4 in. dia. undisturbed sample.
U (1 1/2) — 1 1/2 in. dia. " "
D — disturbed sample. " "
BD — bulk disturbed sample.
W — water sample.
S () — standard penetration test.
C () — dynamic cone penetration test.
 No. in brackets gives
 No. of blows/12 in. penetration.

Remarks : (Observations on ground-water, etc.)
 Ground-water was first encountered at depth of 6ft.6in.
 Sample of ground-water taken.

ALMONDSBURY RESERVOIR

Soils No:
S/2407

FIG. 5



GEOLOGICAL SURVEY OF GREAT BRITAIN
RECORD OF SHAFT OR BORE FOR MINERALS

(For Survey use only)

6-inch Map Registered No.

Name of Shaft or Bore given by Geological Survey:

ST 58 SE 18

Name and Number given by owner:

Almondbury Reservoir No 4

Nat. Grid Reference

5888 8125

For whom made

Almondbury County. Chos.

1" N.S. Map No.

250

1" O.S. Map No.

Confidential or not

Exact site

Attach a tracing from a map, or a sketch-map, if possible.

Purpose for which made

Ground Level at shaft bore relative to O.D.

If not ground level give O.D. of beginning of shaft bore

Made by Bristol Waterworks Co.

Date of sinking 1963

Information from

Date received

Examined by

SPECIMEN NUMBERS AND ADDITIONAL NOTES

BOREHOLE NO. 4. ST 58 SE 18

Depth (ft)	Depth (m)	Description	DEPTH	
			FT.	IN.
0	0.0m	TOPSOIL		
2'-0" - 4'-0"	0.61m	Soft to very stiff grey-brown CLAY with moderate fragments		
7'-0" - 8'-0"	1.98m	Hard grey and brown silty sandy CLAY. (Tea Green Matrix)		
12'-0" - 13'-0"	3.51m	Hard red-brown calcareous CLAY. (Keeper Marl)		
16'-0" - 17'-0"	5.18m			

