Compass | Forward Bearings | by ABSS | by Bendall | Sorry Noel's Mistake.

For Back Bearings

Z

O.S. 337

Bearing Correction, Mag to Grid — 10° 22'

TRAVERSE ABSTRACT

Town G.B.

Traverse OOZE Z.

Date ..... Angle Book ..... Sketch, Distances, etc., on Reverse Side

Station	To	Forward 1st Round	Back 2nd	3rd	4th	5th	6th	Mean Dist.	R.P. Dist.	R.P. Check
								° Dist		9 inch.
C12.	21	196°	17 · 5					28' 0"	—	28
1	2.	209 · 8	27 [illegible]					32' 2"	—	44
21	3	201 · 8	20 · 6					32' 0"	—	24.
31	4	200	[illegible]					29' 1"	—	11·2
4	5	154	333 · 8					13' 3"	—	11·5
45	6.	154	333 · 0	335·0.				14' 8	—	20·25
6	7	166	345 · 0					23' 11"	—	·75
7	8	143 · 5	322 · 5					11' 7"	—	29
8	9	151 · 5	332 · 0				8ft 5"	29' 9"	—	41·75 N·5
9	10	150	329 · 5.				29' 9"	13' 2"	—	19·5
10	11	152	332 · 0					13' 4"	—	19
11	12	226	47 · 0					8' 0"	—	39
12	13	162	340 · 0					20' 0"	—	25
13	14	265	86 · 0					7' 6"	—	[illegible]
14	15	162	341 · 75					4' 2"	—	5
15	16.	98	278 · 0					20' 0"	+	2
16	17	173	351 · 5/8					20' 0"	—	18
17	18	93°						10' 0'	—	35

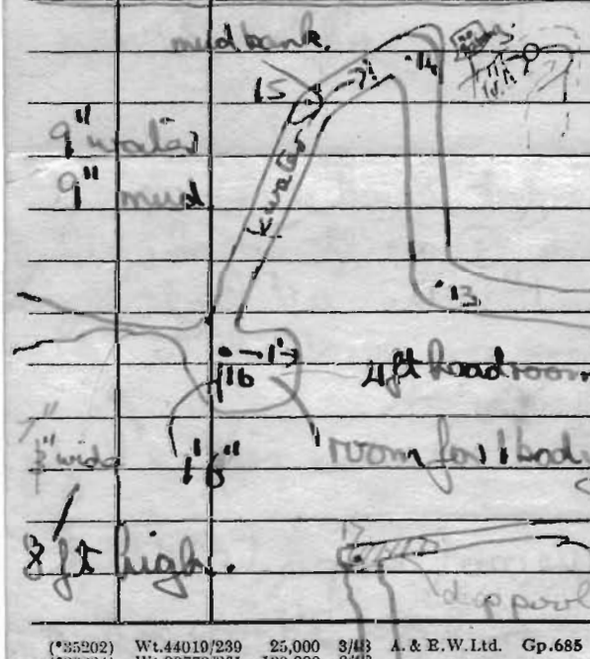
Station 5 is of theoretical interest only — IT DOESN'T EXIST.

TRAVERSE roads.

C12 → Z1 → Z2 → Z3 → 24 → Z6 → Z7 etc

Note

Z4 (i.e. on Z5) is 5" from C17 on a bearing Z4 → C17 94° and on Tapes level.



16 to 17 not 9" wide 8ft high.

17 to 18 2ft wide 4ft high.

Tape shrunk 7½" in first 50 feet.

(*35202) Wt.44010/230 25,000 3/43 A. & E.W.Ltd. Gp.685
(*36224) Wt.20773/261 130,000 8/43 " "

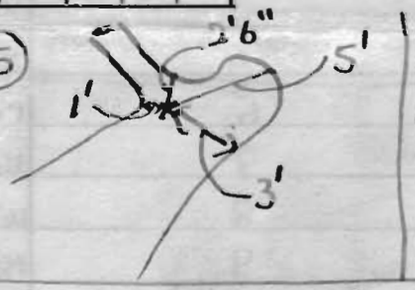
Observer .....

Abstracted by .....

Leg	Distances			Tape No.	Temp.			V.A.			Tapes	
	Feet	Metres	Mean		Ft.	M	Mean	°	′	″	No	Value

Station	Floor.	Roof.	Left	Right.
5	3'0"	7'0"	–	–
6	9"	2'0"	1'0"	6"
7	9"	3'0"	1'3'	1'3'
8	8ft	4'6"	–	0"
9	5'0"	2'6"	6"	1'6"
10	2'6"	3'0"	6"	1'
11	2'0"	2'0"	–	–
12	5'0"	3'0"	–	–
13	2'0"	2'0"	9"	9".
14	6"	2'6"	–	–
15	1'8"	1'6"	1'6"	6"
16	3'0"	1'0"	–	–
17	5'0"	3'0"	–	–
18	Lip.	4'6"	2'.	2'.

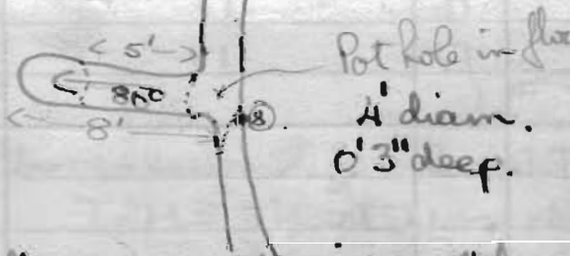
⑤



⑥ On lip of 1st ooze.

⑦ Roof is a rift sloping down 20° (forward). Passage floor drops 4' at 3' forward of ⑤.
On t'other lip of 1st ooze.

⑧ 7→8 is rift. 8 is on wall at top on lip of a 10' drop.



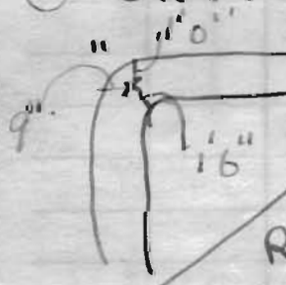
To left passage 3ft wide 8ft long. Bearing 80°.
This tubular is a double passage X sect



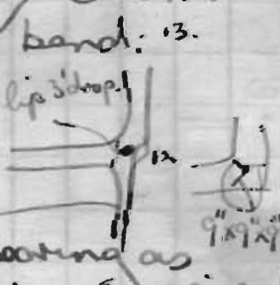
Lip of branch is 4" below ⑧.

9ft back from ⑪ roof drops to 3' high branch passage to right 12 ft long 1'ft high 2 ft wide Bearing 260°. Then turns left and presumably rejoins passage at ⑫.

⑪ On rt < bend.



⑫ on rt < bend: 13.



Rift sandpapering as 12–13 9" wide 3–4' high.

13 14–15. passage. 2' wide 3' high in centre but usually just big enough to fit in.

⑨ Roof at level of ⑧. Divot above ⑨ a rift up slightly to rt. 6" wide 2d high. Signs of going on parallel to passage on.
⑨ to ⑩ is narrow rift 7' high.

at ⑩ the roof drops to 4' high. ⑩ being on lip of 2' drop in floor.

2

O.S. 355

TRAVERSE COMPUTATION — MACHINE METHOD

Name of Traverse Ooze *Computer* *Date*

Total Length 84 *Error*

BEARINGS

1

2

3

4

Station	Bearing	Corr.	Corrected Bearing	Distance	Cos. V.A.	Sine	Cosine	E. 610.40	N. 200.70
C12		-10°22'				—	—		
21	196° 45'		186 23	7.43		11118	99380	609.57	193.32
2	208 24		198 02	6.96		30957 ~~13935~~ —	95088 ~~99019~~ —	607.42	186.70
3	201 12		190 50	8.81		18795 —	98218 —	605.76	178.04
4	200 00		189 38	8.73		16734 +	98590 * —	604.30	169.44
6	154 16		143 54	4.14	4.02	58920 +	80799 —	606.67	166.19
7	165' 30		155' 08	7.20		42051 +	90729 —	609.70	159.66
8	143 00		132 38	3.04	5.12	73570 +	67730 —	611.94	157.60
9	151 45'		141 23	1.89		62411 +	78134 —	613.11	156.12
10	149 45'		139 23	8.44		65100 +	75908 —	618.61	149.72
11	152 00		141 38	3.79		62069 —	78405' * —	620.96	146.74
12	226 30		216 08	1.87		58967 +	80765' —	619.86	145.23
13	161 00		150 38	5.46		49040 —	87150 * —	622.54	140.47
14	265' 30		255 08	2.26	X	96653 +	25657 —	620.35	139.89
15'	161 52		151 30	1.25		47716 +	87982 +	620.95	138.80
16	98 00		87 38	6.02	X	99915' +	04129 —	626.96	139.05
17	172 15'		161 53	5.72		31095' +	95043 +	628.74	133.61
18	93 00		82 38	2.46		99175'	12822	631.18	133.92

O.S. 355

TRAVERSE COMPUTATION — MACHINE METHOD

Name of Traverse ODTE 2 Computer [illegible] Date 27/1/49

Total Length ..... Error .....

BEARINGS

1

2

3

4

Station	Bearing Va.	Corr.	Corrected Bearing	Distance ft	Cos. V.A.	Sine	Cosine	FT X SIN E. Latitude	MET. X COS N. Hor dist.
						−	+	753.80	
C12 21	−28° 00′	✓		27.64	8.42	46947	88295	−12.94	7.434
						−	+	740.83	
1 - 2	−44° 00′	✓		31.75	9.68	69466	71934	−22.05	6.96
						−	+	718.78	
2 - 3	−24° 00′	✓		31.59	9.63	40674	91355	−12.84	8.80
						−	+	705.94	
3 - 4	−11° 12′	✓		29.20	8.90	19423	98096	−5.67	8.73
						−	+	700.27	
4 - 5	−11° 20′			13.08	3.99	19957	97992	−2.60	3.91
						−	+	695.26	
5 - 6	−20° 15′	✓		14.48	4.41	34612	93815	−5.01	4.14
						−	+	695.26	
6 - 7	−00° 48′	✓		23.61	7.20	01396	99990	−0.32	7.20
						−	+	694.94	
7 - 8	−29° 00′	✓		11.43	3.489	48481	87462	−5.54	3.045
						−	+	689.40	
8 - 9	−4° 48′	✓		8.31	2.53	06653	74608	−5.53	1.89
						−	+	683.87	
9 - 10	−19° 30′	✓		29.37	8.95	33381	94264	−9.80	8.44
						−	+	674.07	
10 - 11	−19° 00′	✓		13.16	4.01	32554	94552	−4.28	3.79
						−	+	669.79	
11 - 12	−39° 00′	✓		7.90	2.41	62932	77715	−4.97	1.84
						−	+	664.82	
12 - 13	−25° 00′	✓		19.76	6.02	42262	90631	−8.34	5.46
						−	+	656.48	
13 - 14	−01° 00′	✓		7.40	2.26	01745	99985	−1.12	2.26
						−	+	656.36	
14 - 15	−05° 00′	✓		4.11	1.25	08716	99619	−.35	1.25
						+	+	656.01	
15 - 16	+02° 00′	✓		19.74	6.02	03490	99939	+.68	6.02
						−	+	656.70	
16 - 17	−18° 00′	✓		19.74	6.02	30902	95106	−6.10	5.72
								650.60	1.54

2

O.S. 355

TRAVERSE COMPUTATION — MACHINE METHOD

Name of Traverse 002E 2 *Computer* DS *Date*

Total Length *Error*

BEARINGS

1

2

3

4

Station	Bearing	Corr.	Corrected Bearing	Distance	Cos. V.A.	Sine	Cosine	E. 610·40	N. 200·70
C 12			-10 22						
21	196° 45′		186° 21′ 33	7.44		11118 11407	80 99347	609·57	193·31
22	208 24		198 02	6·96		30957	95088	607·42	186·69
23	201 12		190 50	8·80		18795	98218	605·76	178·04
24	200 00		189 38	8·73		16734	98590	604·30	169·44
26	154 30 16		144 08	4·14		58590	81038	606·73	166·08
27	165 30		155 08	7·20		42051	90729	609·76	159·55
28	143 00		132 38	3·05		73570	67730	612·00	157·48
29	151 45		141 2 33	1·89		411 62188	134 78345	613·18	156·01
210	149 45		139 2 33	8·44		5100 64418	5908 76027	618·67	149·60
211	152 00		141 38	3·79		62064	78405	621·03	146·63
212	226 30		216 08	1·87		58967	80765	619·92	145·12
213	161 00		150 38	5·46		49040	87150	622·60	140·36
214	265 30		255 08	2·26		96653	25657	620·42	139·78
215	161 52		5 151 33	1·25		47716	87882	621·01	138·68
216	98 00		87 38	6·02		99915	04129	627·03	138·93
211	172 15		161 53	5·73		31095	95043	628·81	133·49
218	93 00		82 38	2·47		99175	12822	631·26 636·30	133·80 132·10

2

O.S. 355

TRAVERSE COMPUTATION — MACHINE METHOD

Name of Traverse Coze (Back Bearings only) *Computer* *Date*

Total Length *Error*

BEARINGS

1

2

3

4

Station	Bearing	Corr.	Corrected Bearing	Distance	Cos. V.A.	Sine	Cosine.	E. 610.40	N. 200.70
		-10° 20'				+	−		
1	197 30		187 10	7.44		12476	99219	609.47	193.32
						−	−		
2	207 00		196 50	6.96		28959	95715	607.46	186.66
						−	−		
3	200 36		190 10	8.80		17651	98430	605.90	177.99
						−	−		
4	200 00		189 40	8.73		16792	98580	604.44	169.39
						+	−		
6	155 00		144 40	4.14		57833	81580	606.83	166.01
						+	−		
7	165 00		154 40	7.20		42788	90383	609.91	159.50
						+	−		
8	142 30		132 10	3.05		74120	67129	612.17	157.46
						+	−		
9	152 00		141 40	1.89		62024	78442	613.34	155.91
						+	−		
10	149 30		139 10	8.44		65386	75661	618.86	149.59
						+	−		
11	152 00		141 40	3.79		62024	78442	621.21	146.61
						−	−		
12	227 00		216 40	1.87		59716	80212	620.10	145.11
						+	−		
13	160 00		149 40	5.46		50503	86310	622.86	140.40
						−	−		
14	266 00		255 40	2.26		96887	24756	620.67	139.84
						+	−		
15	161 45		151 20	1.25		47971	87743	621.26	138.75
						+	+		
16	98 00		87 40	6.02		99917	04071	627.28	138.99
						+	−		
17	171 30		161 10	5.73		32282	94646	629.13	133.57
						+	+		
18	93 00		82 40	2.47		99182	12764	631.58	133.88

O.S. 337

2

TRAVERSE ABSTRACT

Traverse..... 002 E ..... 2 .....

Date..... 20.7.59 ..... Angle Book..... Sketch & Details of C. of S. Pegs on Reverse Side

Station	To	1st Round	2nd	Mean	Measured Dist.	R.P. Check	Vertical Angle
		° ′ ″		° ′ ″	Feet.		° ′ ″
C12	21	196 00 197	30	196 45 00	28.00	-2.3	-28 00 00
1	2	209 48 207	00	208 24 00	32.167	-3.6	-44 00 00
2	3	201 48 200	36	201 36 00	32.00	-2.0	-24 00 00
3	4	200 00		200 00 00	29.583	-1.9	-11 12 00
4	6	154 00		154 00 00	14.667	-1.6	-20 15 00
6	7	166 00 165	00	165 30 00	23.917	-2.4	-00 48 00
7	8	143 30 142	30	143 00 00	11.583	-2.4	-29 00 00
8	9	151 30 152	00	151 45 00	8.417	-3.9	-41 48 00
9	10	150 00 149	30	149 45 00	29.750	-1.6	19 30 00
10	11	152 00 152	00	152 00 00	13.333	-1.5	-19 00 00
11	12	226 00 227	00	226 30 00	8.000	-3.25	-39 00 00
12	13	162 00 160	00	161 00 00	20.000	-2.1	-25 00 00
13	14	265 00 266	00	265 30 00	7.500	-1.0	-1 00 00
14	15	162 00 161	43	161 52 00	4.167	-.4	-5 00 00
15	16	98 00 98	00	98 00 00	20.000	+1.6	2 00 00
16	17	173 00 171	30	172 15 00	20.000	-1.5	-18 00 00
17	18	93 00 9 —		93 00 00	10.000	-2.9	-35 00 00

O.S.O. 45,500 10-46

Observer..... Abstracted by..... Length of Tapes .9875 .....