O.S. 337

TRAVERSE ABSTRACT

Town Re-Survey of C12 to Z4.

Traverse Y

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

Station	To	1st Round Forward	2nd Back	3rd	4th	5th Incl.	6th	Mean Dist. ° ' "	R.P. Dist.	R.P. Check
A	Y1.	196·5°	16·5°			−32·5		29' 9"		
Y1	Y2	200·5°	16°			−35·2		40' 9"		
Y2	Y3	206°	24°			−21·5		28' 4"		
Y3	Y4. A	196·5°	17·5°			−10·5°		21' 7"		
						Resurvey D17 to D8.				
						Traverse X.				(Backwards)
D17?	X1	288·5°	110°			−2°		26' 7"		
X1	X2	331°	152°			+2		17' 3"		
X2	X3	320°	143°			+18·5		14' 5"		
X3	X4	312	134			+21		13' 3"		
X4	X5. ~~X6.(D7,8).~~	316	138			−47		13' 2"		
X5	X6 (D7,8)	281	—			−10		23' 6"		
	Detail.									
X4	4a A	350°	—			−12·25 −12·25		7' 4"		
X4	4b	338°				+34		20'		
4b	4c	348°				+17		25'		
4c	4d.	338°				—		15'		
X6	X6a.	312°						25'.		
	Probably didn't locate D17 properly.									

(*35202) Wt.44019/239 25,000 3/48 A.& E.W.Ltd. Gp.685
(*36224) Wt.20773/261 130,000 8/48 " "

Tape: 1st 50' shrunk 8 ins
2nd 50' shrunk 5 ins.

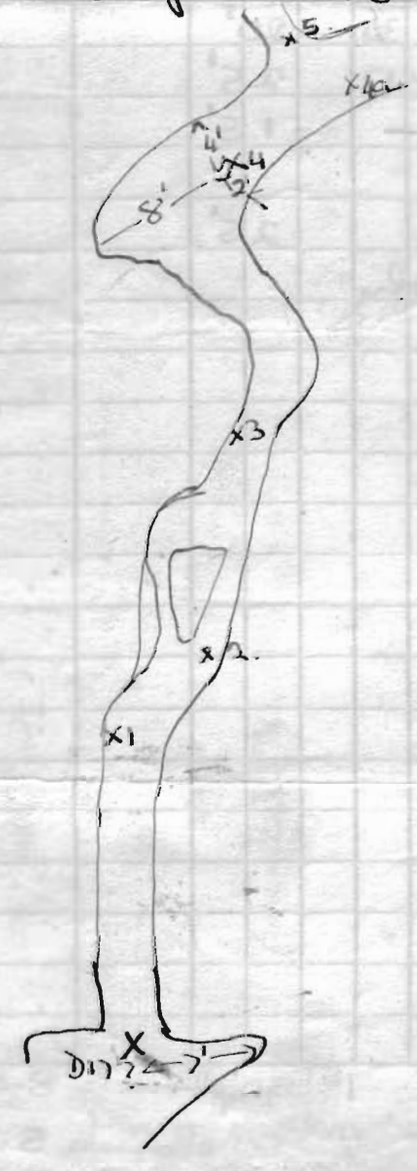
Observer ..... Abstracted by .....

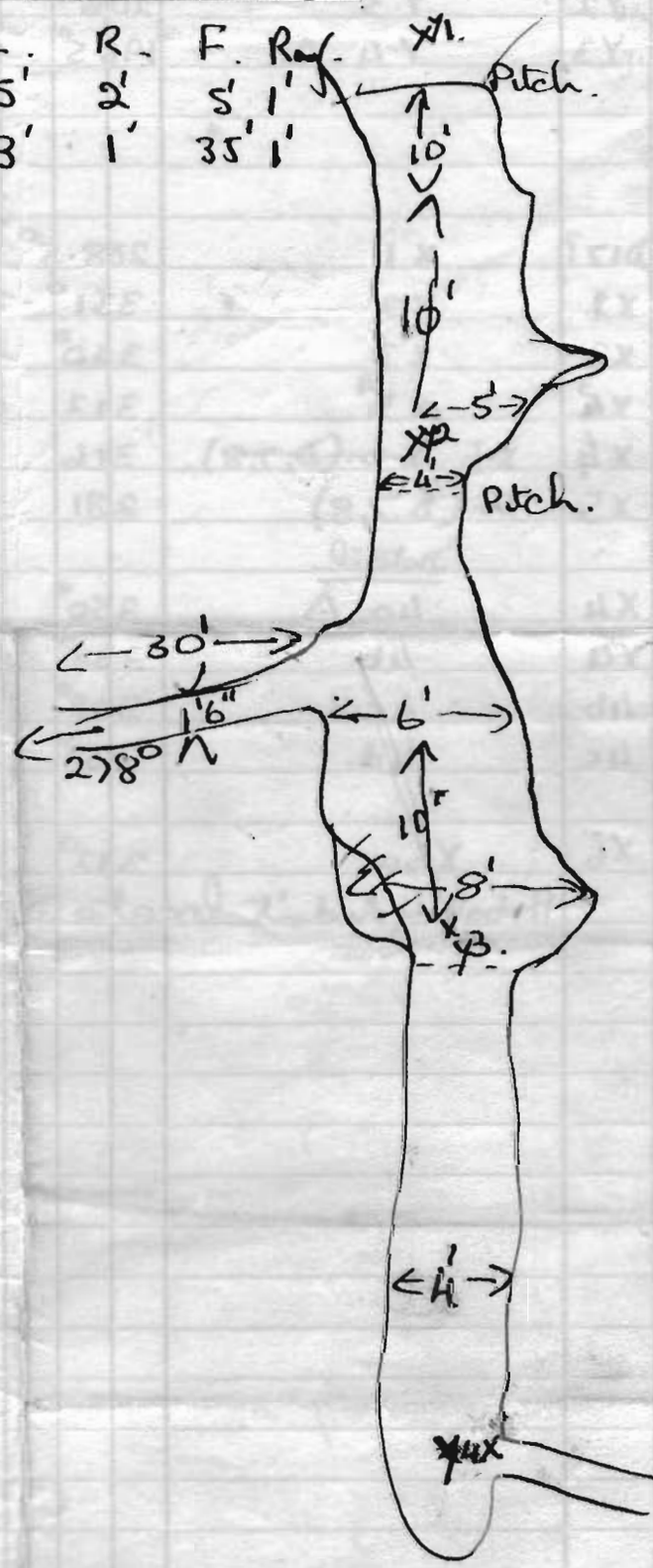
Leg	Distances			Tape No.	Temp.			V.A.			Tapes	
	Feet	Metres	Mean		Ft.	M	Mean	°	′	″	No	Value

	L.	Rt.	F.	R.
Dr	2	2	0	2-5
1	1	2-5	0	2-5.
2	3	0	0	3
3	6"	3"	0	5'
4	4	2	3	6
5	3	1	0	3
4b	1"2	1"2	3	1
4c	1	1	3	1.

6-6a 3ft wide 1'6" high.

	L.	R.	F.	R.
X2.	5'	2'	5'	1'
X3	3'	1'	35'	1'





O.S. 337

TRAVERSE ABSTRACT

Town.....

Traverse .....

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

	Station	To	1st Round B	'	VA.	2nd	3rd Dist	4th	5th	6th (plan) Dist metres	°	'	G.B	Mean Dist. L	R	R.P. Dist. L	R	R.P. Check R	Rf.	
G	21	21a Sump dig	223°		-20°		23'	6"		6·73			212½	2'	2'	1'	6'	1	6	(a)
G	21a	21b	341°		-8°		17'	3"		5·14			330½	1	1	1½	3			(b)
														1	8		8			
G	21	21c Flower	358·5°		+3°		14'	4"		4·35			348	1	8	1	8			(c)
	21c	21d Sand dig	346°		-17·5°		16'	3"		4·65			335½	1	1	1	1			d
	d	e	346°		+17		12'	6"		3·68			335½	5'	5'	1'	2'			e
	e	f	351°		+23		24'	6"		6·87			340½	9"	9"	0	3'			f
G	19	19a Upper Sand dig	203·5		-18		12'	3"		3·54			193°	2	2	1	3			a
	a	b	233		-25		11'	2"		3·04			222½	1	2	1	0			b
G	18	18x Low level passage	107·5		-25		20'	11"		5·8			96	0	1	6	6			x
	x	y	3°		+19		26'	9"		7·5			352½	3	0	2	1			y
	y	z	20°		+15		30'			8·84			9½	2	1	0	5			z
G	18	18a	95°		-22		15'			4·24			84½			8	3			a
	a	b	86		+25		15'			4·12			75½	0	3	1	2			b
	b	c (Kolam point)	180		-20		9'			2·58			169½	1	1	0	1			c
G	20	20a	308½		-		9'8"			30			298	½	½	3	2			a
	20a	b	351°		+12		15'							½	½	2	2			b
	H3a	H3x	16°		+30		18'							4	1	1	4			x
	Y2	Y3a	206		-		10'							4	4					a
	3a	3b	280		-		18'							1½	1½	2	3			b
	3b	3c	289		-		12'							½	½	1	2			c
	3b	3d	346		-		4'							6"	6"	1	2			d
	3b	e	289		-		5'							1	1	2	3			e
	3e	f	0°		-		6'							1	1	1	2			f
	D4	D4a	328		+1		22'			6·7			317½							
	a	b	6°		+31		26'			6·8			359							

(*35202) Wt.44019/239 25,000 3/48 A.& E.W.Ltd. Gp.685
(*36224) Wt.20773/261 130,000 8/48 " "

19-20
18-19

Observer..... Abstracted by.....

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





T Traverse. New Digs in Gorge.

St	Dist	Bear	BB	I	S	L	R	Fl	Roof
GPS$_a$ → T_1	77′	179	357	−7	T_1	2½	5	3	8
T_1 → T_2	33′ 9″	235	—	−10	T_1 +5′	2	3	2	7
T_2 – T_3	6′	264°	—	+3	+10′	3	4	3	7
T_3 – T_4	5′	234	—	−2	+15′	4	4	2	7
					+20′	4	3	2	5
					+25′	3	4	2½	4
					+30′	2	2	1	2
					T_2	2	2	½	1½
					T_3	1	1	0	1½
					T_3 +3′	1	1	½	4
					T_4	1	1	½	1½

Note T_1 is 4′ from lip of 25′ Pitch lip is 8′ long.

Below & on the same side as the Oxbow.

U. Traverse. Resurvey of White Passage

Tape shrunk ① 6″ in 1st 50′ ② 3″ in 2nd 50′

Station	Distance	Bearing	BB	I	St/+	L	R	Floor	Roof
N_{20} – N_{21}	72′ 2″	326	146	+10½	U_8	1½	5	2	12
N_{21} – U_1	15′ 7″	6°	186°	−2½	U_8 +5	5	5	3	12
U_1 – U_2	11′ 2″	40	220	+5	U_8 +10	9	7	4	12
U_2 – U_3	40′ 11″	342	161	+20	U_9	10	7	5	12
3 – 4	24 10½	282	103	+6½	+10	13	2	3	18
4 – 5	12′ 5″	351	173	0	+20	14	1	2	14
5 – 6	10′ 1″	14	196	+15	+30	7	4	1	12
6 – 7	19′ 3″	333	155	+15½	+40	10	4	2	10
7 – 8	43′ 9″	350	172	+22	+50	12	5	1	20
8 – 9	15′ 4″	28	208	+34	+60	11	4	1	20
9 – 10	67′ 10″	360	181	+37	U_{10}	11	4	1	12
					+10	3	5	1	6

Note U_3 Coincides with N_{24}
U_9 " " " N_{30}

All detail at Rt angles to line of traverse.
U_9 detail at Rt angles to $U_9 \rightarrow U_{10}$

Dear Chris,

I think this about finishes the plan.
Re your queries:
Forge — read $Y_2 - Y_{3a} - 206°$ instead $Y_3 - Y_{3a}$.
Have corrected the other stuff except the narrow passage which I've checked with the note book — I think you can take it all as O.K now.
The Bottom of the forge is OK now. I enclose survey of new passage — it should fit in alright — I haven't plotted it but it's pretty self explanatory.
In addition have re surveyed the White passage and checked the drawing. I didn't use the same stations (except trig points) but there isn't much choice, and readings seem to agree pretty well.

Have taken detail of the top of it but not plotted it.

U9 +10
+20 etc means 10 ft from station, 20 ft from station etc. along line of sight. These are not projected distances If there's anything else you want let us know.

Yours
Bob