

NEW TWO - BOB

TRENCHES

↓
& ROAD

842097

NEW TWO BOB TRENCHES

Sta	HI	F.S	B.S.	Rod
H5	.700	H'1		3.59
H'2	1.600		H'1	0.20
H'2	.900	H'3		3.65m
J'	1.300		H'3	.600
J'	1.100	J'1		3.50
J'2	1.500		J'1	0.30
J'2	.800	K		3.50
J'2	1.600	S'1		3.58
S'2	1.500		S'1	0.000
S'2	1.500	S'3		3.65
S'4	1.600		S'3	0.07
S'4	1.300	L'		3.48
L'1	1.600		L'	0.05
L'1	.800	L'2		3.000
L'3	1.600		L'2	0.06
L'3	1.100	L'4		3.00
L'5	1.400		L'4	0.000
L'5	1.000	M'		3.52
M'1	1.600		M'	0.07
M'1	1.700	M'2		3.50
M'3	1.500		M'2	1.060
M'3	.900	M'4		3.00
M'5	1.500		M'4	0.13
M'5	1.000	N'		1.87

35

23

22

18

18

22

24

17

~~34~~

169

25

848

3380

4225

NEW TWO BOB TRENCHES

Station	N	E	ele. *	Horz. dist.	levels elevation
G	6428.44	2429.18	786.20		
H'	6405.45	2458.60	775.31	37.34	
J'	6366.72	2436.24	763.36	44.72	
K'	6364.53	2457.10	756.63	20.98	
L'	6329.32	2416.36	750.77	42.35	
M'	6291.17	2394.33	739.61	44.05	
N'	6265.12	2378.68	730.79	30.39	
O'	6262.75	2383.76	727.27	5.61	
P'	6285.73	2411.67	731.49	38.90	
Q'	6312.36	2461.74	722.32	56.71	
2 R'	6293.72	2397.82	742.08	15.99	
2 L'	6328.97	2417.36	752.35	40.30	
2 S'	6359.71	2429.78	762.58	33.16	
2 H'	6405.95	2458.68	776.58	54.53	
2 G	6428.94	2429.26	787.45	37.34	
DN -1.50	DE -.08	Dele -1.25			
		÷ 11			
		* elevation at top of post			

NEW TWO BOB TRENCHES - LEVELS

Station	ele.	Station	ele.
H5	771.34	P'	731.14
H'1	768.45	P'1	728.45
H'2	767.05	P'2	726.94
H'3	764.30	P'3	724.76
J'	763.60	P'4	723.16
J'1	761.20	Q	721.99
J'2	760.00		
K'	757.30		
S'1	758.02		
S'2	756.52		
S'3	754.37		
S'4	752.84		
L'	750.66		
L'1	749.11		
L'2	746.91		
L'3	745.37		
L'4	743.47		
L'5	742.07		
M'	739.55		
M'1	738.02		
M'2	736.22		
M'3	734.76		
M'4	732.68		
M'5	731.31		
N'	730.44		

error.

NEW TWO-BOB TRENCHES

Station	N	E*	ele.	
G	6428.44	2429.18	786.20	
H'	6405.50	2458.60	775.20	
J'	6366.81	2436.24	763.13	
K'	6364.62	2457.10	756.29	trench
L'	6329.46	2416.36	750.43	center
M'	6291.35	2394.33	739.16	center
N'	6265.35	2378.68	730.11	
O'	6263.02	2383.76	726.59	power pole
P'	6286.00	2411.67	731.81	
Q'	6312.68	2461.74	721.52	Power line trench
R'	6294.08	2397.82	741.17	
S'	6360.16	2429.26	761.56	

FINAL

(corrected)

Datum is STA "G" - old 2 Bob Survey.

* Northings are correct

* Eastings must be increased by 16.00 meters to fit map

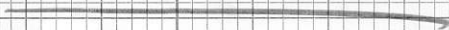
and eastings apply only to themselves, not to the rest of the map.

Survey Trenches

OLD

2-BOB

AREA



	(m)	(m)		(°)	(m)	
π	HI	PH	F.S. stat.	# Δ	V Δ	Slope Dist
N65+00 E24+00	1.135	.120	A	240	-1° 30'	78.50
A	1.140	.560	B	182	-12° 30'	43.20
B	1.090 ⁺	.810	C	206	-12° 56'	19.16
C	1.078	.833	D	048	+3° 00'	37.76
C	1.078	.833	E	153	-12° 00'	32.58*
E	0.908	.805	F	060	-04° 30'	34.54 ⁺
F	1.490	1.400	G	036	+08° 30'	28.50*
F	1.490	1.400	H	084	-07° 30'	44.06
H	1.000	1.000	I	184	-17° 10'	23.85
H	1.000	1.000	J	103	-08° 10'	19.24
H	1.000	1.000	G'	303	+17° 30'	33.50
I	1.147	.555	J	046	+08° 20'	28.00
J	1.200	.950	G''	295	+14° 10'	52.00
G'	1.127	.832	F'	216	-9° 10''	27.59
F'	1.545	1.430	E'	240	+4° 30'	34.59*
E'	1.055	.805	C'	333	+11° 30'	32.54*
C'	1.110	.830	D'	051	+2° 36'	37.81
C'	1.110	.830	B'	027	+11° 40'	19.10
B'	1.120	.820	A'	002	+11° 20'	43.10
A'	1.158	.565	B.L. 65+0 E24+00	060	+00 40'	18.50

.83
593.53

STA	N	E	el	H dist
B.L.	6485	2394	805.0	
A	6475.75	2377.98	805.09	18.49
B	6433.60	2376.51	796.07	42.18
C	6416.81	2368.32	792.07	18.68
D	6442.04	2396.34	794.32	37.71
E	6388.42	2382.79	785.57	31.87
F	6405.63	2412.61	782.37	34.43
G	6428.44	2429.18	787.24	28.19
H	6410.20	2456.05	777.11	43.68
I	6387.46	2454.39	770.51	22.79
G'	6427.60	2429.25	787.35	31.95
J	6406.71	2474.32	774.77	27.70
F'	6406.40	2413.17	782.54	27.24
E'	6389.16	2383.31	786.00	34.48
C'	6417.57	2368.83	792.71	31.89
B'	6434.24	2377.32	796.86	18.71
A'	6476.47	2378.80	805.89	42.26
B.L.	6485.72	2394.82	806.14	18.50

$$\Delta N = +0.72$$

$$\Delta E = +0.82$$

$$\text{Dele.} = +1.14 \text{ m}$$

These values have
been generated
using G as
the 'real' G ?

Recalc.

UTM COORDINATES

of

Z-BOB TRENCH AREA

STA	N	E	el.	H-dist	
BL 65N 24E	6485	2394	805.00	18 49	c
A	6475.75	2378	804.53	18 49	
B	6433.6	2376.44	795.2		
C	6416.81	2368.25	790.40		
D	6442.04	2396.27	791.80		
E	6388.42	2382.72	783.04		
F	6405.63	2412.54	779.63		
G	6428.44	2429.11	782.53		← Real G ^{n 11}
H	6410.20	2455.98	772.57		
I	6387.46	2454.39	765.53		
J	6405.92	2474.54	769.84		
* G	6427.60	2429.18	782.64		
F'	6405.98	2413.14	777.66		
E'	6388.74	2383.28	779.06		
C'	6417.15	2368.80	784.99		
B'	6433.82	2377.29	788.30		
A'	6476.05	2378.77	796.25		
BL Hub	6485.30	2394.79	796.50		
I ⇒ J	6406.71	2474.32	769.63		
* G ^{Real}	6428.02	2429.15	782.59		(average)
ΔN =	+ .30 m				
ΔE =	+ .79 m				
Δele =	+ 8.50 m				

calc.
Znc
see

112
210
212
1555

	H I		
	240°	B.L.	A
	182°	A	B
	206°	B	C
#1 trench	048°	C	D
	153°	C	E
	060°	E	F
#2 trench w G	036°	F	G
#3 trench w H	84°	F	H
	184°	H	I
	103°	H	J
	303°	H	G
#4 trench w I →	046°	I	J
corner of trench 3 + 4 (J)	295°	J	G
	216°	G	F
	240°	F	E
	333°	E	C
	051°	C	D
	027°	C	B
	002°	B	A
	060°	A	B.L.

LEVELS
of
TRENCHES

LEVELS

①

(m)

TK	HI	B.S.	F.S.	ROD	ell. el.
A	1.577m	B.L. N ^o 65100		1.815	805m
A	1.577m		A1	2.000m	
A2	1.675m	A1		0.000	
A2	1.577m		A3	1.800	
A4	1.392m	A3		0.035	
A4	1.392		A5	2.025	
A6	1.392	A5		0.000	
A6	1.156		A7	1.980	
A8	1.577m	A7		0.465	
A8	0.450		B	1.970	
B1	1.392	B		0.435	
B1	0.636		B2	2.000	
C	1.675m	B2		0.035	
C	1.675m		D1	0.800	
D	1.156m	D1		2.000	
C	1.156m		e1	1.960	
C2	1.577	C1		0.750	
C2	0.450		C3	1.800	
C4	1.577m	C3		0.190	
C4	0.450		C5	1.670	
E	1.577	C5		0.420	
E	0.636		E1	1.900	
E2	1.577	E1		0.000	
E2	0.636		F	1.020	
F1	1.577	F		0.070	

1.675 m

1.577 m

The page contains a large grid of graph paper. Faint handwritten notes and numbers are visible, including '1.675 m' at the top left and '1.577 m' at the top center. The grid is divided into four horizontal sections by three lines. The handwriting is very light and difficult to read, but some numbers like '1.675' and '1.577' are clearly visible at the top. There are also some other faint markings and numbers scattered throughout the grid.

(2)

π	HI	B. S.	F. S.	ROD
F ₁	0.450		F ₂	1.900
F ₃	1.577	F ₂		0.500
F ₃	0.450		H	2.070
H ₁	1.392	H		0.000
H ₁	0.636		J	2.000
H	0.450		H ₂	2.000
H ₃	1.577	H ₂		0.050
H ₃	0.636		H ₄	1.910
H ₅	1.577	H ₄		0.770
H ₅	0.315		I	2.000
H	1.675		H ₆	0.000
H ₇	0.636	H ₆		1.390
H ₇	1.577		H ₈	1.020
H ₉	0.450	H ₈		1.990
H ₉	1.156		H ₁₀	0.270
H ₁₁	0.636	H ₁₀		2.050
H ₁₁	1.156		H ₁₂	0.300
H ₁₃	0.636	H ₁₂		1.687
H ₁₃	1.392	G		0.420
H ₁₃	0.636		H ₁₄	2.030
F	1.577	H ₁₄		0.000
F	1.033		E ₂	1.130
E ₃	0.450	E ₂		2.000
E ₃	1.675		E	0.210
C ₅	0.636	E		1.845

③

π	HI	B.S.	F.S	ROD
C5	1.392		C4	0.330
C3	0.636	C4		2.180
C3	1.392		C2	0.120
C1	0.450	C2		1.545
C1	1.577		C	1.030
B2	0.000	C		1.860
B2	1.156	B1	B1	0.030
B	0.814	B1		1.920
B	1.577		A8	0.370
A7	0.636	A8		2.040
A7	1.392		A6	0.700
A5	0.450	A6		1.980
A5	1.392		A4	0.900
A3	0.450	A4		2.000
A3	1.392		A2	1.170
A1	0.283	A2		2.000
A1	1.392		A	1.030
B.M.	1.115	A		1.325

Station		elevation ⁽⁴⁾	Station	elevation	
B.M.		805	F ₁	780.641	
A	-	805.238	F ₂	779.191	
A ₁		804.815	F ₃	778.114	
A ₂		803.14	-	H	776.494
A ₃		802.917	H 1	775.102	
A ₄		801.56	-	J	773.738
A ₅		800.927	H ₂	774.944	
A ₆		799.535	H ₃	773.417	
A ₇		798.711	H ₄	772.143	
A ₈		797.599	H ₅	771.336	
B	-	796.079	-	I	769.651
B ₁		795.122	H ₆	778.169	
B ₂		793.758	H ₇	778.923	
C	-	792.118	H ₈	779.48	
D ₁		792.993	H ₉	781.026	
D	-	793.837	H ₁₀	781.906	
C ₁		791.314	H ₁₁	783.32	
C ₂		790.487	H ₁₂	784.176	
C ₃		789.137	H ₁₃	785.227	
C ₄		787.750	-	G	786.199
C ₅		788.530	H ₁₄	783.833	
E	-	785.373	F	782.256 ^(.108)	
E ₁		784.109	F ₂	782.159	
E ₂		782.532	E ₃	783.708	
F	-	782.148	E	785.174 ^(.199)	

⑤

station	elevation	err.	station	elevation
C5	786.383			
C4	787.445			
C3	788.989			
C2	790.261			
C1	791.356			
C	791.903	$(-.215)$		
B2	793.763			
B1	794.889			
B	795.995	$(-.084)$		
A8	797.202			
A7	798.606			
A7	799.252			
A6	799.298			
A5	800.828			
A4	801.320			
A3	802.870			
A2	803.092			
A1	804.809			
A	805.171	$(-.067)$		
B.M.	805.381	$(+.381)$		

Datum is 805^{"A"} @ BL 24 E.F.

STAT SURVEY - 2808 AREA

(1) Check Label & chain to collar.

" Az to F.S.

plot & check for rationale against plotted geol.

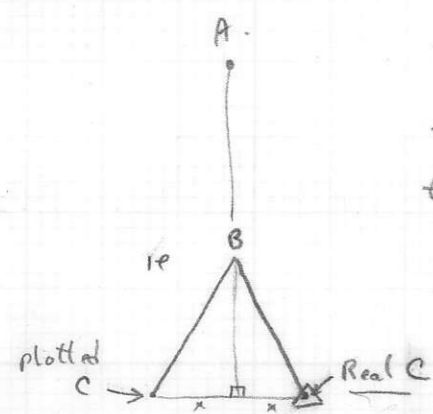
- check el diff of 86" zone vs collar el.

check el diff between zone & "K" lower trench.

check R' beam on Rd vs m beam

Check Brings ^{to Dist} to "J"

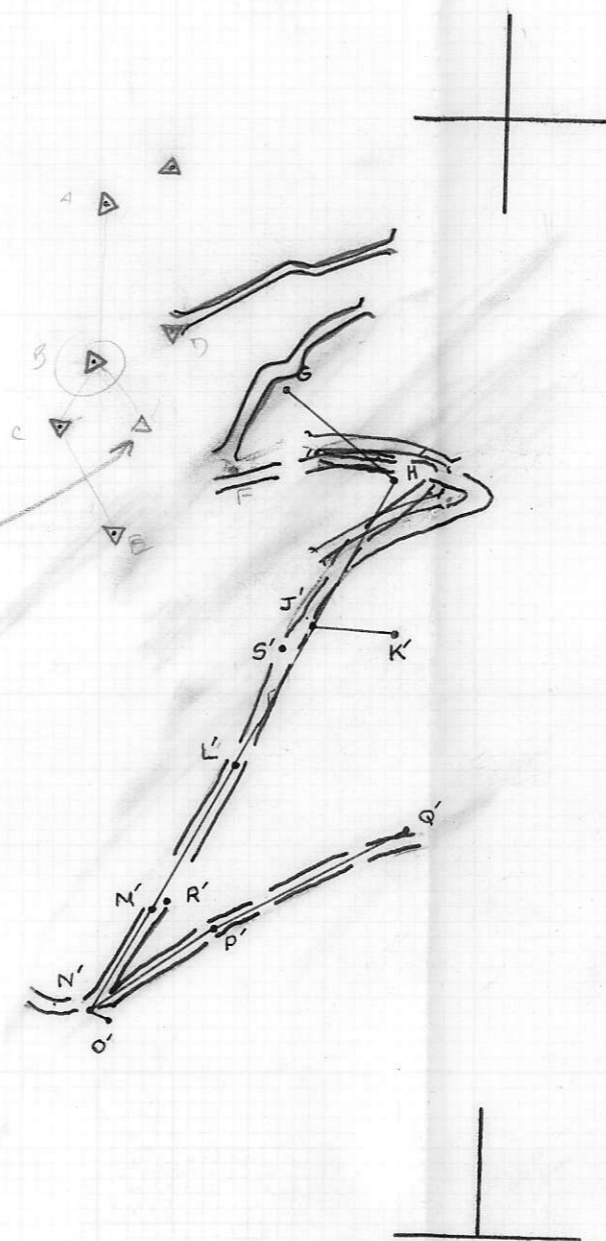
Check Dist BL 25E to "G"



'C' is plotted
to w of B. it should be
to E of B

all pts shift - Due E 16.6 m.

WAM
Sept 17/87.



WAYSIDE
New Two-Bob Trenches
+ Road
1:2000 (corrected) to Aug/87