

NEW

842094

COMMODORE

TRENCH.

SURVEY + LEVELS

Aug 13 87 NEW Compadone

Station	HI	HP	F.S.	ΔH°	$\Delta V'$	slope distance
AA	1.214	.810	Sta 1	272°	-3° 30'	29.195
AA	1.214	.810	2	275°	-0° 30'	31.715
AA	1.214	.810	3	274°	+1° 50'	35.750
AA	1.214	.810	4	273°	+4° 30'	40.632
AA	1.214	.810	5	275°	+6° 10'	45.93
AA	1.214	.810	6	279°	+7° 36'	49.94
5	1.145	0.000	7	100°	-22° 00'	23.98
5	1.145	0.000	8	108°	-20° 30'	27.27
5	1.145	0.000	9	298°	+14° 10'	9.345
5	1.145	0.000	AE	285°	+32° 20'	25.30

AE HP = .664

NEW COMMADORE TRENCH

Station	N	E	elevation	H. dist.	levels elevation
AA	5691.55	1914.25	1032.01		1032.01
1	5692.57	1885.13	1031.44		1031.24
2	5694.31	1882.66	1032.95		1032.64
3	5694.04	1878.61	1034.37		1034.14
4	5693.67	1873.80	1036.41		1035.87
5	5695.53	1868.76	1038.16		1037.89
6	5699.30	1865.35	1039.74		1039.84
7	5691.67	1890.66	1030.32	22.23	1029.81
8	5687.64	1893.05	1029.75	25.54	1028.31
9	5699.78	1860.76	1041.59	9.06	1041.28
AE	5701.05	1848.15	1052.23	21.34	
accepted	5701.68	1848.22	1052.33		
	ΔN -.63	ΔE +.07	Δ elev +.10		
3A		FINAL			1034.57
4A		(uncorrected)			1036.63
5A					1038.36
9A					1043.90
AD 3					1045.00
AD 3 accepted					1045.01

NEW COMMODORE TRENCH

Station	N	E	ele.
AA	5691.55	1914.25	1032.01
1	5692.57	1885.13	1031.24 ✓
2	5694.31	1882.66	1032.64 ✓
3	5694.04	1878.61	1034.14 ✓
4	5693.67	1873.80	1035.87 ✓
5	5696.16	1868.69	1037.89 ✓
6	5699.30	1865.28	1039.84 ✓
7	5692.30	1890.59	1029.81 ✓
8	5688.27	1892.98	1028.31 ✓
9	5700.41	1860.69	1041.28 ✓
AE	5701.68	1848.08	1045.00 ✓

FINAL
(corrected)

Elev.'s must be corrected to
#5 PORTAL

datum = Nail in cap of #5 PORTAL
= 1000.00

SURVEYING
+

LEVELS

Commadore +

#5 Adit

AREA

π	F.S.	HI ^m	HP ^m	H Δ	V Δ	Slope distance
K	L	1.175	0.00	017°	-2° 10'	27.29 *
K	M	1.175	0.00	015°	+10° 30'	45.64 ⁺
K	N	1.175	0.00	225°	0° 00'	49.925
N	O	1.153	0.00	227°	+2° 00'	48.35
O	P	1.155	0.00	242°	-16° 30'	04.31
O	Q	1.155	0.00	223°	+0° 40'	49.532
Q	R	1.132	0.000	230°	0° 00'	48.50
R	S	1.135	0.000	231°	-1° 00'	45.52
S	T	1.177	0.000	226°	-0° 30'	49.76
T	U	1.183	0.000	006°	+10° 30'	31.43 *
T	V	1.183	0.000	216°	0° 00'	50.793
V	W	1.162	0.000	210°	0° 00'	49.60
W	X	1.170	0.000	209°	+1° 40'	49.26
X	Y	1.176	0.000	199°	-3° 00'	29.46
Y	Z	1.140	0.000	243°	+4° 00'	40.82
Z	AA	1.179	.684	264°	+11° 30'	23.43
AA	AB	1.205	.815	012°	-4° 30'	16.91
AA	AC	1.205	.815	270°	-12° 20'	12.605
AA	AD	1.205	.815	276°	+8° 30'	47.195
AD	AE	.898	.763	285°	+31° 50'	23.90
AE	AF	1.081	.664	310°	+13° 30'	10.89
AB	AG	1.177	0.000	242°	-11° 10'	4.94
AB	AH	1.177	0.000	249°	-10° 00'	5.97
AB	AIL	1.177	0.000	220°	+10° 00'	8.22

lower drill hole

upper drill hole

drill hole to platform
0.940 m

station P on base line

portal (act) height of hub 'u' 2.00 m

AB north drill hole

AC most southern drill hole

AF = vein in commadore

AG 0.000 = 83-8-3

AH 0.000 = 83-8-2

AI = telephone pole = 1.632 m

dia = 1.274 m

π	F.S.	HI	HP	H δ	$\nu \delta$	slope dist.
AB	AJ	1.177	0.000	228°	+4° 20'	39.535
AJ	Z	1.120	.792	075°	-10° 10'	50.715
Z	AK	1.092	.682	120°	-12° 10'	22.285
AK	AL	1.155	0.000	131	-25° 00'	47.250
AL	AM	1.039	0.000	060°	-6° 30'	48.12 ³
AL	OOH?	1.039	0.000	018°	-2° 00'	45.02
AM	AN	1.162	0.000	005°	0° 00'	72.32
AN	AO	1.165	0.000	156°	-12° 00'	9.22
AN	AP	1.165	0.000	016°	+1° 20'	60.66
AP	AQ	1.096	0.000	047°	-3° 00'	46.745
AQ	AR	1.133	1.000	045°	-3° 00'	49.00
AR	AS	1.107	0.000	002°	+4° 50'	22.15
AR	AT	1.107	0.000	038°	+1° 00'	48.44
AT	AU	1.195	1.000	046°	0° 00'	45.19
AU	Q	1.184	1.000	315°	+34° 00'	33.95
Q	P	1.178	1.000	041°	-3° 20'	46.73
P	K	1.153	0.000	047°	-3° 50'	101.375
K	L	1.140	0.000	018°	-1° 50'	27.28
K	M	1.140	0.000	015°	+10° 30'	45.64

1 1
39.72

32.60

72.32

39.65

26.00

13.65

47.01

60.66

AS = #5 Portal Bar

2 1
49.10

36.60

15.675

101.375

2 1
23.98

49.925

48.39

102.295

Sta.	PH	Sta.	PH
K	0.00	AJ	.792
L	0.940	AK	0.00
M	0.00	AL	0.000
N	0.00	AM	0.000
O	0.00	AN	0.000
P	0.00	AO	0.000
Q	0.00	AP	0.000
R	0.000	AQ	1.000
S	0.000	AR	0.000
T	0.000	AS	
U	2.00 m	AT	1.000
V	0.00	AU	1.000
W	0.000		
X	0.060	DDH ?	2.5 m
Y	0.000		
Z	.683		
AA	.815		
AB	0.00		
AC	0.00		
AD	.763		
AE	.664		
AF	0.00		
AG	0.000		
AH	0.000		
AI	1.632		

DRILL HOLE - ADIT TRAVERSE

STA	N	E	el	Horizontal Distance	
L	6096	2283	1000		DA 10
K	6069.92	2275.03	999.86	27.27	
M	6113.27	2286.64	1008.41	44.88	DA 11
N	6034.62	2239.73	1001.04	49.93	
O	6001.66	2204.39	1003.88	48.32	
P	5999.72	2200.74	1003.81	4.13	
Q	5963.5	2166.96	1005.54	49.53	
R	5932.32	2129.81	1006.67	48.50	
S	5903.68	2094.44	1007.01	45.51	
T	5869.11	2058.65	1007.76	49.76	
U	5899.85	2061.88	1012.67	30.9	PORTAL
V	5828.02	2028.79	1008.94	50.79	
W	5785.06	2003.99	1010.11	49.60	
X	5741.99	1980.12	1012.17	49.24	
Y	5714.23	1970.56	1011.81	29.36	
Z	5695.74	1934.28	1015.11	40.72	
AA	5693.34	1911.45	1020.15	22.96	
AB	5709.83	1914.95	1020.02	16.86	collar. ? 75-A-5?
AC	5693.34	1899.14	1018.66	12.31	collar. e/cg
AD	5698.22	1865.03	1027.57	46.68	
AE	5703.47	1845.42	1040.41	20.31	
AF	5710.28	1837.3	1044.03	10.59	* elevation of vein.
AG	5707.55	1910.67	1020.24	4.85	collar. B-2
AH	5707.72	1909.46	1020.16	5.88	collar. B-3
AI	5703.63	1909.75	1020.99	8.1	* elevation of nail on telephone pole

4.02 STAT	STAT	OLD N	OLD E	4.02 ΔN	ΔE
✓ 1	R	5932.32	2129.81	0.223	0.35
✓ 2	S	5903.68	2094.44	0.445	0.70
✓ 3	T	5869.11	2058.65	0.67	1.05
✓ 4	V	5828.02	2028.79	0.89	1.40
✓ 5	W	5785.06	2003.99	1.12	1.75
✓ 6	X	5741.99	1980.12	1.34	2.10
✓ 7	Y	5714.23	1970.56	1.56	2.45
✓ 8	Z	5695.74	1934.28	1.79	2.80
✓ 9	AK	5685.48	1952.74	2.01	3.16
✓ 10	AL	5657.38	1985.06	2.23	3.51
✓ 11	AM	5681.29	2026.47	2.46	3.86
✓ 12	AN	5753.33	2032.77	2.68	4.21
✓ 13	AP	5811.62	2049.49	2.9	4.56
✓ 14	AQ	5843.48	2083.63	3.13	4.91
✓ 15	AR	5878.06	2118.23	3.35	5.26
✓ 16	AT	5916.23	2148.05	3.57	5.61
✓ 17	AU	5947.62	2180.56	3.80	5.96
✓ 18	Q'	5967.52	2160.65	4.02	6.31

STA	N	E	STA.	N	E
(L) ¹⁰	6096	2283	AJ	5681.66	1888.45
K	6069.92	2275.03	Z	5693.95	1937.08
(M) ¹¹	6113.27	2286.64	AK	5683.47	1955.9
N	6034.62	2239.73	AL	5655.15	1988.57
O	6001.66	2204.39	AM	5678.83	2030.33
P	5999.72	2200.74	ODH?	5697.94	2002.47
Q	5963.50	2166.96	AN	5750.65	2036.98
R	5932.10	2130.16	AO	5742.41	2039.12
S	5903.24	2095.94	AP	5808.72	2054.05
T	5868.44	2059.7	AQ	5840.35	2088.54
U	5899.18	2062.55	AR	5874.71	2123.49
V	5927.13	2030.19	AS	5896.76	2124.26
W	5783.94	2005.74	AT	5912.66	2153.66
X	5740.87	1982.22	AV	5943.82	2186.49
Y	5712.67	1973.01	Q'	5963.5	2166.96
Z	5693.95	1937.08			
AA	5691.55	1914.25	FINAL		
AB	5708.04	1917.75			
AC	5691.55	1901.94			
AD	5696.43	1867.83			
AE	5701.68	1848.22			
AF	5708.49	1840.1			
AG	5705.76	1913.47			
AH	5705.93	1912.26			
AI	5701.84	1912.55			

STA.	HI	F.S.	B.S.	ROD	B.M.
AR	1.600		AS	1.690	
AR	1.600	AQ		0.580	
AP	1.400		AQ	3.000	
AP	1.600	AN		4.000	
AO	1.600		AN	0.875	
AM	1.600		AN	1.230	
AM	1.600	DDH?		0.670	
AL	1.000		DDH?	4.100	
AL	1.500	AL 1		0.000	
AL 2	0.700		AL 1	4.000	
AL 2	1.600	AL 3		0.685	
AL 4	0.800		AL 3	3.580	
AL 4	1.700	AL 5		0.000	
AL 6	.700		AL 5	3.640	
AL 6	1.400	AL 7		0.000	
AL 8	.800		AL 7	3.000	
AL 8	1.500	AL 9		0.480	
AK	1.300		AL 9	2.500	
AK	1.600	AK 1		0.000	
Z	0.800		AK 1	3.000	
Z	1.700	Z 1		0.000	
AA	0.500		Z 1	3.640	
AA	1.700	AB		2.000	
AG	1.700		AB	1.900	
AG	1.700	AI		0.855	

bottom of cap
to floor = 1.710 m

AS = # 5

TK	HI	F.S.	B.S.	ROD
AG	1.600	AH		1.630
AC	1.706		AH	0.530
AC	1.700	AC1		0.000
AC2	1.100		AC1	3.640
AC2	1.700	AC3		0.000
AD	0.800		AC3	3.580
AD	1.400	AD1		.126
AD2	0.900		AD1	3.50
AD2	1.700	AD3		0.000
AD4	0.400		AD3	3.625
AD4	1.400	AD5		0.100
AE	0.800		AD5	3.590
AE	1.600	AE1		0.700
AE2	.700		AE1	1.970
AE2	1.215	AF		0.000
AJ	.700	AA		4.315
AC	1.700	AA'		0.550
AK	1.600	W		2.000
V	1.600		W	1.575
V	1.400	T		3.000
S	1.600		T	1.770
S	.600	Q		3.640
P	1.600		Q	0.80
P	1.600	P1		3.640
NI	1.600		P1	0.000

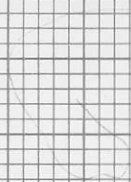
AF = commadore vern

$$\begin{array}{r} 3.500 \\ + \underline{0.815} \\ \hline 4.315 \end{array}$$

π	H.I.	F.S.	B.S.	ROD
N1	.700	L		2.000
L1	.600		L	3.580
L1	1.600	L2		0.000
L3	0.700		L2	3.500
L3	1.600	L4		0.500
M	1.700		L4	1.51
Q1	1.200		Q	.080
Q1	.600	Q2		3.500
Q3	1.403		Q2	0.000
Q3	.400	Q4		3.000
Q5	1.000		Q4	0.22
Q5	.700	Q6		3.500
Q7	1.200		Q6	0.08
Q7	.900	Q8		3.000
Q9	1.400		Q8	0.23
Q9	.800	Q10		3.500
AU	1.600		Q10	.970
AU	1.600	AT		2.000
AR	.900		AT	1.725
AA	.600	AA1		3.640
Z'	1.735		AA1	0.000
Z'	.800	Z2		3.500
AK'	1.600		Z2	.590

L = DH 10

M = DH 11



LEVELS - DRILL / ADIT TRAV.

①

STA		el.	STA		el.
AS	#5	1000	AI	nail on tele. pole	1032.32
AR		1000.09	AH		1031.44
AQ		1001.11	AC		1030.27
AP		1002.71	AC 1		1031.97
AN		1000.31	AC 2		1034.51
AO		999.59	AC 3		1036.21
AM		999.94	AD		1038.99
DDH?		1000.87	AD 1		1040.27
AL		1003.97	AD 2		1042.87
AL 1		1005.47	AD 3		1044.57
AL 2		1008.77	AD 4		1047.80
AL 3		1009.69	AD 5		1049.10
AL 4		1012.47	AE		1051.89
AL 5		1014.17	AE 1		1052.79
AL 6		1017.11	AE 2		1054.06
AL 7		1018.51	AF (vein)		1055.28
AL 8		1020.71	AJ		1035.19
AL 9		1021.73	AA'		1031.42
AK 10		1022.93	AA 1		1028.38
AK 1		1024.53	Z'		1026.65
Z 2		1026.73	Z 2'		1023.95
Z 1		1028.43	AK'		1022.94
AA		1031.57	W		1022.54
AB		1031.27	V		1022.52
AG		1031.47	T		1020.92

LEVELS - DRILL/ADIT TRAV. ②

STA.	el.	STA	el.
S	1021.09		
Q	1018.05		
P	1017.25		
P1	1015.21		
N1	1013.61		
L	1012.31	DH 10	
L1	1015.29		
L2	1016.89		
L3	1019.69		
L4	1020.79		
M	1020.60	DH 11	
Q1	1016.93		
Q2	1014.03		
Q3	1012.63		
Q4	1010.03		
Q5	1009.25		
Q6	1006.45		
Q7	1005.33		
Q8	1003.23		
Q9	1002.06		
Q10	999.36		
AU	998.73		
AT	998.33		
AR'	999.155		$\Delta el = .935m$

	STA	+ Del	corrected ele.	FINAL	①
	AS		1000.00		
	AR		1000.09		
1	AQ	.0275	1001.14		
2	AP	.0550	1002.77		
3	AN	.0825	1000.39		
	AO	.0825	999.67		
4	AM	0.110	1000.05		
5	DDH?	0.1375	1001.01		
6	AL	0.165	1004.14	FINAL	
7	AL 1	0.1925	1005.66		
8	AL 2	0.220			
9	AL 3	0.2475			
10	AL 4	0.275			
11	AL 5	0.3025			
12	AL 6	0.330			
13	AL 7	0.3575			
14	AL 8	0.3850			
15	AL 9	0.4125			
16	AK	0.440	1023.37		
	AKJ	0.440			
	Z	0.440	1027.17		
	ZI	0.440			
	AA	0.440	1032.01		
	AB	0.440	1031.71		
	AG	0.440	1031.91		

STA	+ Del	ele	corrected ele.	FINAL (2)
25 AI	0.440		1032.76	
24 AH	0.440		1031.88	
23 AC	0.440		1030.71	
22 AC 1	0.440			
21 AC 2	0.440			
20 AC 3	0.440			
19 AD	0.440		1039.43	
18 AD 1	0.440			
17 AD 2	0.440			FINAL
16 AD 3	0.440		1045.01	
15 AD 4	0.440			
14 AD 5	0.440			
13 AE	0.440		1052.33	
12 AE 1	0.440			
11 AE 2	0.440			
10 AF	0.440		1055.72	
9 AJ	0.440		1035.63	
17 W	0.4675		1023.01	
18 V	0.495		1023.02	
19 T	0.5225		1021.44	
20 S	0.550		1021.64	
21 Q	0.5775		1018.63	
P	0.5775		1017.83	
L	0.5775		1012.89	
M	0.5775		1021.18	

SURVEY

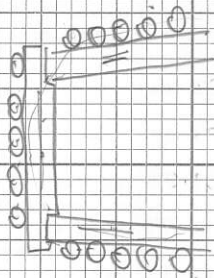
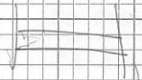
Commadore - #5

FINAL
(corrected)

STA.	N	E	ele.	
AJ	5681.66	1888.45	1035.63	
AK	5683.47	1955.90	1023.37	
AL	5655.15	1988.57	1004.14	
AM	5678.83	2030.33	1000.05	
ODH?	5697.94	2002.47	1002.77	
AN	5750.65	2036.98	1000.39	
DH	5742.41	2039.12	999.67	AO
AP	5808.72	2054.05	1002.77	
AQ	5840.35	2088.54	1001.14	
AR	5874.71	2123.49	1000.09	
#5 nail in bar (cap)	5896.76	2124.26	1000.00	AS
AT	5912.66	2153.66	999.24	
AU	5943.82	2186.49	999.61	

- all elevations to bottom of picket and drill hole

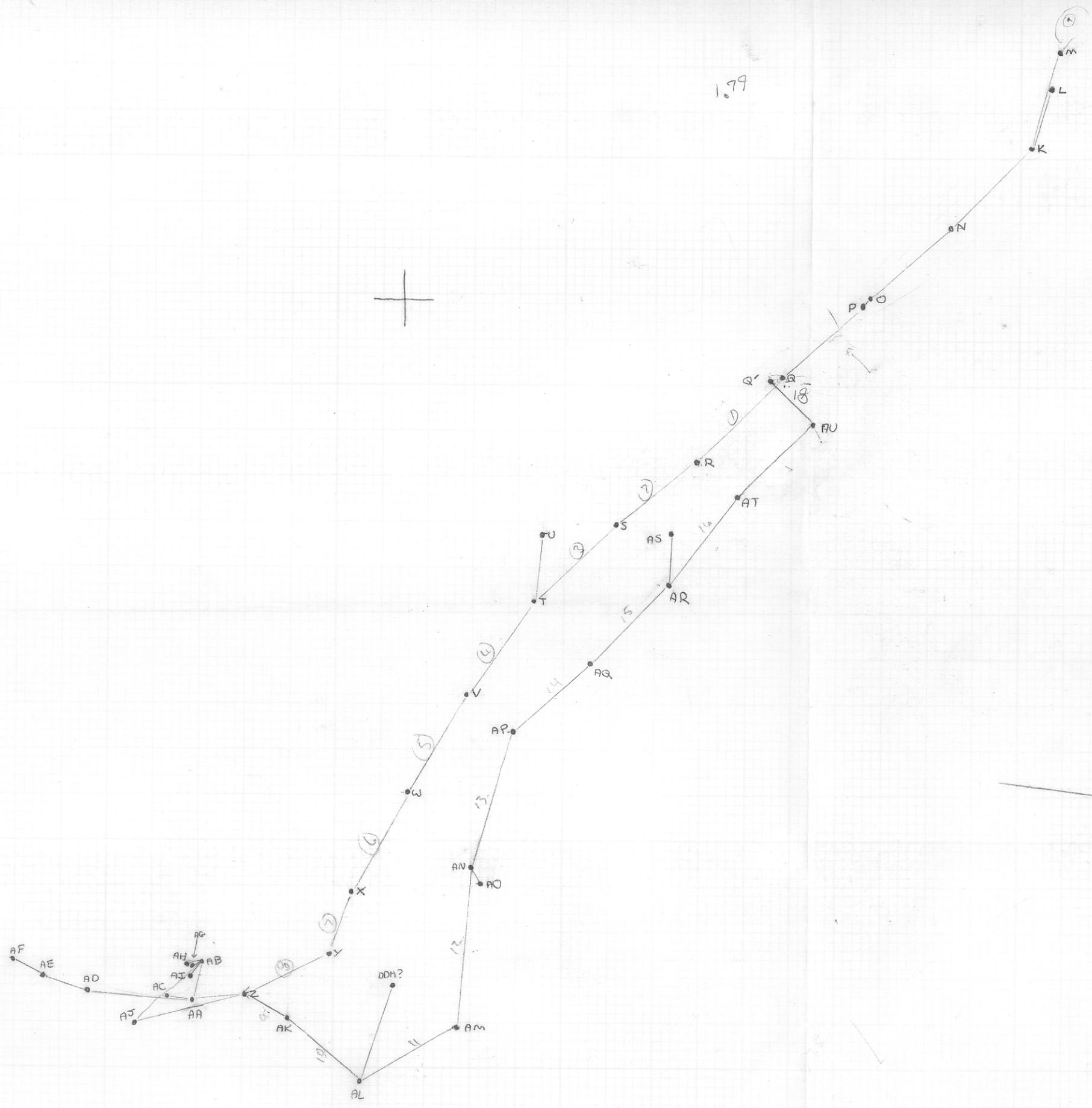
- #5 bottom of (cap) bar to ground = 1.710 m



WAYSIDE #5 PORTAL FINAL AREA. ①

STA.	N	E	ele.		
K	6069.92	2275.03	-		
DH 10	6096	2283	1012.89		L
DH 11	6113.27	2286.64	1021.18		M
N	6034.62	2239.73	-		
O	6001.66	2204.39	-		
B.L. N 60+00	5999.72	2200.74	1017.83		P
Q	5963.50	2166.96	1018.63		
R	5932.10	2130.16	-		
S	5903.24	2095.14	1021.64		
T	5868.44	2059.70	1021.44		
450 Portal	5899.18	2062.55	-		U
V	5827.13	2030.19	1023.02		
W	5783.94	2005.74	1023.01		
X	5740.87	1982.22	-		
Y	5712.67	1973.01	-		
Z	5693.95	1937.08	1027.17		
AA	5691.55	1914.25	1032.01		
DH	5708.04	1917.75	1031.71	✓	AB
DH	5691.55	1901.94	1030.71	✓	AC
AD	5696.43	1867.83	1039.43		
AE	5701.68	1848.22	1052.33		
Commdore vein	5708.49	1840.10	1055.72		AF
83-B-3	5705.76	1913.47	1031.91	✓	AG
83-B-2	5705.93	1912.26	1031.88		AH
telephone pole nail	5701.84	1912.55	1032.76		AI

1.79



UNCORRECTED

