

CENTRAL MAPPING AUTHORITY
Department of Lands

Trigonometrical Survey of N.S.W.

RECONNAISSANCE and MAINTENANCE REPORT

7-4-98

STATION TOWRANG T.S. 6714

This Trig. Station has been:-

Note: Cross out word or words which do not apply

Co: ARGYLE Ph: TOWRANG

Map Sheet: GOULBURN No: 8828

Inspected by: K. G. NALTY Date: 2-4-74

Authority: D.M.R. Field Book:

Beacon Diagram Not to Scale

1. ~~Completely cleared to permit 360° vision to surrounding Trigs.~~
2. Cleared by lances bearing $237^{\circ} 25' 29''$, $265^{\circ} 27' 5''$, $299^{\circ} 32' 5''$ GRID from Trig-Mast SSM
3. ~~Trig-Mast & Vanes have been painted white & black respectively.~~
4. The Trig. was emptied/not unplied, dimensions now being: AS BEFORE

Description of mark..... should be explicit, e.g. Steel plug, Brass plug, Bolt, G.I. Pipe

Height of mark..... m above rock/concrete m below G.L.

Height of Top Vanes to Top Mark..... m. Diameter of Vanes (vertical)..... m.

Height of Cairn..... m. Diameter of Cairn..... m.

Length of Mast..... m. (approximate if not unplied)

5. A..... set in conc/rock has been placed..... m. bearing.....°M from Trig. Mast

6. A..... set in conc/soil has been placed..... m. bearing.....°M from Trig. Mast

7. A..... set in conc/soil has been placed..... m. bearing.....°M from Trig. Mast

8. A..... set in conc/rock has been placed..... m. bearing.....°M from Trig. Mast

9. Connection..... to..... m. bearing.....°M

10. Connection..... to..... m. bearing.....°M

11. Connection..... to..... m. bearing.....°M

12. Connection..... to..... m. bearing.....°M

13. Diff. Ht. is..... m. above below

14. Diff. Ht. is..... m. above below

15. Diff. Ht. is..... m. above below

16. Diff. Ht. is..... m. above below

Date

Record of Station

Noted on U.T.M. Card

Prepared by: J. H. GILLES 7 AUG 1975 Checked:

Checked

STATION TOWRANG T.S. 6714-

Current Occupant...NOT KNOWN

Owners Name...NOT KNOWN

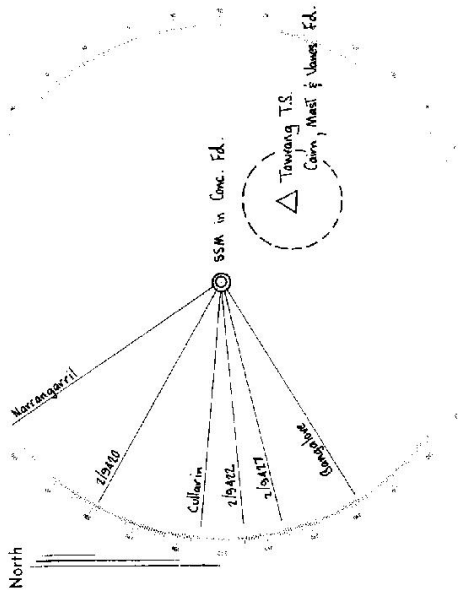
Address.....

Address.....

Access 2-4-1974

Not to Scale

Station Diagram

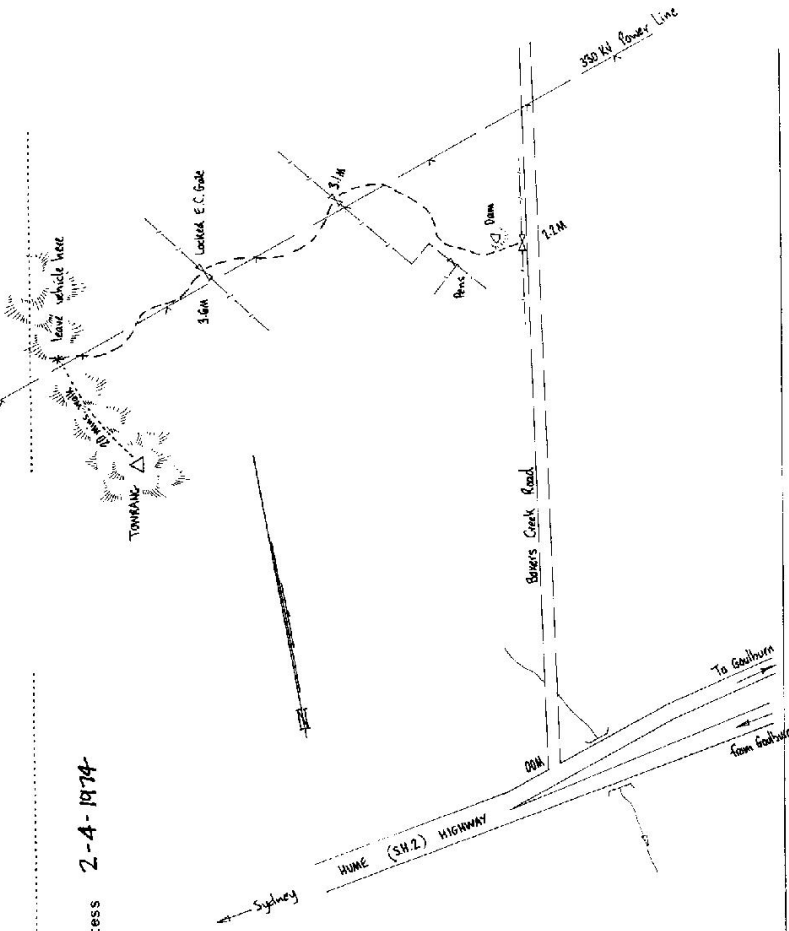


List of Observed Directions:-

Standpoint: Towrang S.S.M. Standpoint: Towrana S.S.M.

Station	Direction	Station	Direction
Cullarim T.S. (S.S.M.)	0 00 00	Cullarim T.S. (S.S.M.)	0 00 00
219410	73 53 38.06	Narangarri T.S. (S.S.M.)	91 34 16.88
219412	349 56 19.92	Bangalore T.S.	342 19 33.25
219417	341 09 31.50		341 09 29.75
	119412		349 56 41.00

Station	Direction	Station	Direction



15-6714-
No: 4537

GEODETTIC SURVEY OF N.S.W.

CENTRAL MAPPING AUTHORITY

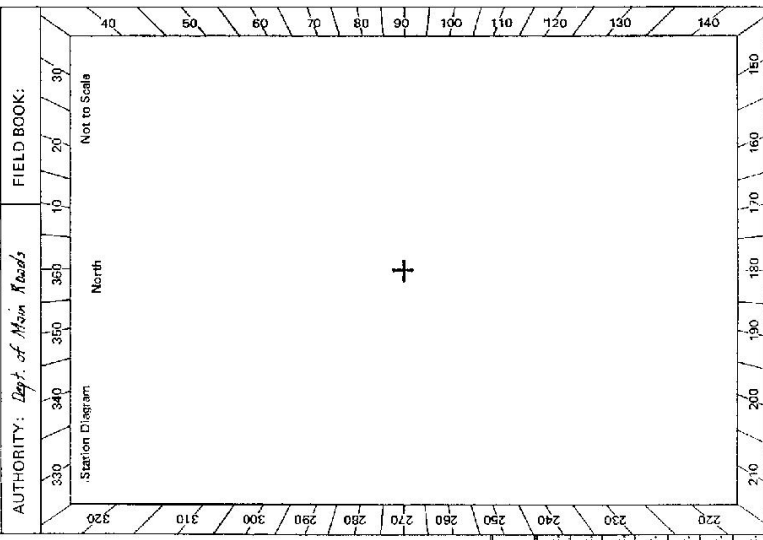
GEODETTIC STATION RECONNAISSANCE and MAINTENANCE REPORT

STATION: **TOWRAING (P)** PUNJICORNIA

MAP SHEET: **GOULBURN** 1:25000

INSPECTED BY: **W.E. Sinsbery** DATE: Oct. 1978

AUTHORITY: **Dept. of Main Roads** FIELD BOOK:



Description:

1. Cleared by lanes bearing..... Note: Cross out word or words which do not apply

2. Mast & Vanes have been painted white & black respectively.

3. The station ~~marker~~ was unpiled/not unpiled/constructed on..... 19....., dimensions now being:

Description of mark..... should be explicit, e.g., S/Steel Pillar Plate, Steel plug, Brass plug, Bolt, G.I. Pipe

Height of mark..... m. ^{above} _{below} rock/concrete; Mark is..... m. ^{above} _{below} G.L.

Height of Top Vanes to Top Mark/Pillar plate..... m. Diameter of Vanes (vertical)..... m.

Height of Cairn..... m. Diameter of Cairn..... m. Name Plate found/not found/placed.

Length of Mast..... m. (approximate if not unpiled)

4. A..... **G.I. Pipe**..... set in conc/rock has been **placed**/found, bearing.....° M from Mast/Plug/**Marker**

5. A..... **S.S. M**..... set in conc/rock has been **placed**/found, bearing.....° M from Mast/Plug/**Marker**

6. A..... set in conc/rock has been placed/found, bearing.....° M from Mast/Plug/Pillar

7. A..... set in conc/rock has been placed/found, bearing.....° M from Mast/Plug/Pillar

8. Action required:.....

STANDPOINT:

Mark	Direction	Horiz. Distance	Height Difference	Mark	Direction	Horiz. Distance	Height Difference
			above standpt.				above standpt.
			below standpt.				below standpt.
			above standpt.				above standpt.
			below standpt.				below standpt.
			above standpt.				above standpt.
			below standpt.				below standpt.
			above standpt.				above standpt.
			below standpt.				below standpt.
			above standpt.				above standpt.
			below standpt.				below standpt.

Prepared by: *[Signature]* Checked: *[Signature]*

tested on U.T.M. Card

Checked

CENTRAL MAPPING AUTHORITY

GEODETIC SURVEY OF N.S.W.

GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

STATION: **G.S. TOWRANG** No.: **TS 6714**
 MAP SHEET: **GOULBURN** SCALE 1:250 000
 INSPECTED BY: **K. Bridges** DATE: **Sep. 79**
 AUTHORITY: **D.M.R.** FIELD BOOK:

- Description:
 Note: Cross out word or words which do not apply
- Cleared by lanes bearing **abt 3° each side of rays shown in diag.** from Trig. Mast
 - Mast & Vanes have been painted white & black respectively.
 - The station/~~marker~~ was ~~unplaced~~/not unplaced/~~constructed~~ on 19 dimensions now being:
 Description of mark..... should be explicit, e.g., S/Steel Pillar Plate, Steel plug, Brass plug, Bolt, G.I. Pipe
 Height of mark..... m. ^{above} ~~below~~ rock/concrete; Mark is m. ^{above} ~~below~~ G.L.
 Height of Top Vanes to Top Mark/Pillar plate m. Diameter of Vanes (vertical)..... m.
 Height of Cairn..... m. Diameter of Cairn..... m. Name Plate found/not found/placed.
 Length of Mast m. (approximate if not unplaced)
 - A **S.S.M. Bk. Plate** set in ~~conc~~/rock has been ~~placed~~/found, bearing ° M from Mast/~~Plug/Pillar~~
 - A **G.I. P.** set in conc/~~rock~~ has been ~~placed~~/found, bearing ° M from Mast/~~Plug/Pillar~~
 - A set in conc/rock has been placed/found, bearing ° M from Mast/Plug/Pillar
 - A set in conc/rock has been placed/found, bearing ° M from Mast/Plug/Pillar
 - Action required:.....

STANDPOINT:		STANDPOINT:		STANDPOINT:		STANDPOINT:	
Mark	Direction	Horiz. Distance	Height Difference	Mark	Direction	Horiz. Distance	Height Difference
			above standpt. below				above standpt. below
			above standpt. below				above standpt. below
			above standpt. below				above standpt. below
			above standpt. below				above standpt. below
			above standpt. below				above standpt. below
			above standpt. below				above standpt. below
			above standpt. below				above standpt. below

Prepared by: **S. Greening** Checked: **Noted on U.T.M. Card**

St 2733-2 D. West, Governments Printer Beacon Diagram Not to Scale	STATION G.S. TOWRANG IS 6714	Owner's Name: Address: old house on Old Hume Hwy near old Towrang Bridge Phone: Current Occupant: Address: Phone: PMR Access Report of 2.11.1914 was found suitable/unsuitable L2 leave vehicle at saddle G.S. Towrang 58 ACCESS 4WD only locked (E.C. Key req'd) 5.0 km dam pens 4.0 3.4 2.0 km Boxers Ck. Rd. locked gate (E.C. Key req'd) 9.0 km Goulburn Pt Boxers Sydney
		This section to be completed by officer constructing pillar. Original station mark found/not found. not unpled Description of marks: Original beacon found/ not found Description of beacon: Height Top of Vanes to Top Markm. Height of markm. above G.L. below Diameter of Vanesm. Height of Cairnm. Original Beacon has/has not been destroyed by me.
		Date Record of Station

CENTRAL MAPPING AUTHORITY

GEODETIC SURVEY OF M.S.M

GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

STATION: **TOWRANG**
 MAP SHEET SCALE 1:250 000
 INSPECTED BY: **J. FANNING**

TS 6714
 No.: **4637**

Description:
 1. Cleared by lanes bearing..... from Trig. Mast
 Note: Cross out word or words which do not apply

2. Mast & Vanes have been painted white & black respectively. ✓
 3. The station ~~was inspected~~ not unpiled ~~was set on~~ ~~19.8.19~~ 19.8.19, dimensions now being:

Description of mark..... should be explicit, e.g., S/Steel Pillar Plate, Steel plug, Brass plug, Bolt, G.I. Pipe
 Height of mark.....m. ^{above} rock/concrete; Mark is.....m. ^{above} G.L.

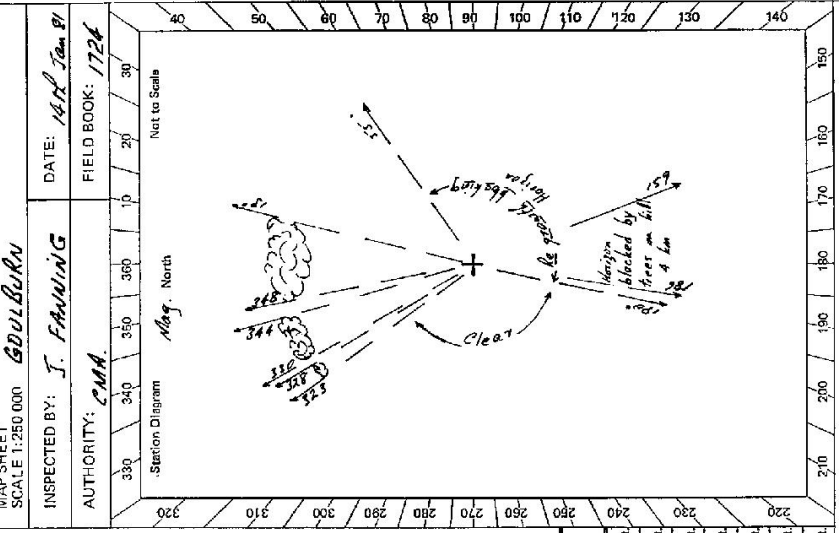
Height of Top Vanes to Top Mark/Pillar plate.....m. Diameter of Vanes (vertical).....m.
 Height of Cairn.....m. Diameter of Cairn.....m. Name Plate found/not found/placed.

Length of Mast.....m. (approximate if not unpiled)
 4. A..... set in conc/rock has been ~~placed~~/found, bearing.....°M from Mast/Plug/Pillar
 5. A..... set in conc/rock has been ~~placed~~/found, bearing.....°M from Mast/Plug/Pillar
 6. A..... set in conc/rock has been placed/found, bearing.....°M from Mast/Plug/Pillar
 7. A..... set in conc/rock has been placed/found, bearing.....°M from Mast/Plug/Pillar

8. Action required: ~~Clear~~ ~~which~~ ~~found~~ ~~to~~ ~~the~~ ~~station~~ ~~pillar~~ ~~1-2~~ ~~days~~ ~~clearing~~.
 STANDPOINT:
 Mark Horiz. Distance Height Difference Direction Horiz. Distance Height Difference

Mark	Horiz. Distance	Height Difference	Direction	Mark	Horiz. Distance	Height Difference	Direction
		above standpt				above standpt	
		below				above	
		above standpt				below standpt	
		below				above	
		above standpt				below standpt	
		below				above	
		above standpt				below standpt	
		below				above	
		above standpt				below standpt	
		below				above	
		above standpt				below standpt	
		below				above	
		above standpt				below standpt	
		below				above	

Prepared by: **J. Fanning**
 Checked: **31/6/18**
 Noted on U.T.M. Card



Authority: **CMA**
 DATE: **18/1 Jan 81**
 FIELD BOOK: **1724**
 Station Diagram
 Mag. North
 Not to Scale

Checked

GEODETTIC SURVEY OF N.S.W.

CENTRAL MAPPING AUTHORITY

GEODETTIC STATION RECONNAISSANCE and MAINTENANCE REPORT

STATION: **TOWRANG OP** No: **6714**

Description: **360°** Note: *Cross out word or words which do not apply* from Trig. Mast **Pillar**

MAP SHEET SCALE 1:250 000 **GOULBURN**

1. Cleared by lanes bearing.....

INSPECTED BY: **H.C. BORDER** DATE: **15-5-81**

2. Mast & Vanes have been painted white & black respectively. ✓

AUTHORITY: **C.M.A** FIELD BOOK: **1684**

3. The station pillar was ~~unplaced~~ ^{replaced} / constructed on **14th MAY** 19 **81**, dimensions now being:

Station Diagram

Description of material **S/Steel Pillar Plate** should be explicit, e.g., S/Steel Pillar Plate, Steel plug, Brass plug, Bolt, G.I. Pipe

Not to Scale

Height of mark **1.370** m. ✓ above ~~below~~ rock/concrete; Mark is **1.570** m. above ~~below~~ G.L.

Jobson

Height of Top Vanes to Top Mark/Pillar plate **1.445** m. Diameter of Vanes (vertical) **0.755** m.

Waino

Height of ~~Centre~~ ^{Top} **1.575** m. Diameter of ~~Centre~~ ^{Top} **0.755** m. Name Plate ~~found~~ ^{not found} / placed.

Saw Bar

Length of Mast **1.575** m. (approximate if not unplaced)

4.547

4. A **TRIG. PLUG** set in ~~stone~~ ^{concrete} / rock has been ~~placed~~ ^{found} / found, bearing **204** °M from ~~Mast/Plug~~ ^{Pillar}

5.547

5. A **S.S.M** set in ~~concrete~~ ^{rock} / rock has been ~~placed~~ ^{found} / found, bearing **255** °M from ~~Mast/Plug~~ ^{Pillar}

6.547

6. A **G.I. PIPE** set in ~~concrete~~ ^{rock} / rock has been ~~placed~~ ^{found} / found, bearing **152** °M from ~~Mast/Plug~~ ^{Pillar}

7.547

7. A **G.I. PIPE** set in ~~concrete~~ ^{rock} / rock has been ~~placed~~ ^{found} / found, bearing **152** °M from ~~Mast/Plug~~ ^{Pillar}

8.547

8. Action required: **---**

TRIG PLUG in cemented brick wall ca.

STANDPOINT: **CONC. OBS. PILLAR**

TRIG PLUG in cemented brick wall ca.

STANDPOINT: **TRIG. PLUG**

TRIG PLUG in cemented brick wall ca.

STANDPOINT: **TRIG. PLUG**

TRIG PLUG in cemented brick wall ca.

STANDPOINT: **TRIG. PLUG**

TRIG PLUG in cemented brick wall ca.

STANDPOINT: **TRIG. PLUG**

TRIG PLUG in cemented brick wall ca.

STANDPOINT: **TRIG. PLUG**

TRIG PLUG in cemented brick wall ca.

STANDPOINT: **TRIG. PLUG**

TRIG PLUG in cemented brick wall ca.

STANDPOINT: **TRIG. PLUG**

TRIG PLUG in cemented brick wall ca.

STANDPOINT: **TRIG. PLUG**

TRIG PLUG in cemented brick wall ca.

STANDPOINT: **TRIG. PLUG**

TRIG PLUG in cemented brick wall ca.

STANDPOINT: **TRIG. PLUG**

TRIG PLUG in cemented brick wall ca.

STANDPOINT: **TRIG. PLUG**

TRIG PLUG in cemented brick wall ca.

STANDPOINT: **TRIG. PLUG**

TRIG PLUG in cemented brick wall ca.

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TRIG PLUG in cemented brick wall ca.

STANDPOINT: **TRIG. PLUG**

TRIG PLUG in cemented brick wall ca.

STANDPOINT: **TRIG. PLUG**

TRIG PLUG in cemented brick wall ca.

STANDPOINT: **TRIG. PLUG**

TRIG PLUG in cemented brick wall ca.

STANDPOINT: **TRIG. PLUG**

TRIG PLUG in cemented brick wall ca.

STANDPOINT: **TRIG. PLUG**

TRIG PLUG in cemented brick wall ca.

Checked

Noted on U.T.M. Card

Checked

Prepared by: **H.C. BORDER**

S: 2733-1

STATION TOWRANG OP TS 6714	
<p>Owner's Name: TR 21316 Address: GOULBURN L.A.O GOULBURN Phone:</p> <p>LEASE Current Occupant: C.C. R.C.G. WILKINS Address: Box 163 GOULBURN Phone: (048) 290115</p> <p style="text-align: center;"><u>ACCESS</u></p> <p>Access Report of 15/5/1981 was found suitable/unsuitable.</p> <p>KMS 0.00. From GOULBURN POST OFFICE. TRAVEL NORTH ALONG NUME HWY, TOWARDS SYDNEY. 9.15. CROSS BOXERS CREEK 9.20. IMMEDIATELY AFTER BOXERS CREEK TURN RIGHT. ACROSS DUAL HWY. STRAIGHT AHEAD GRAVEL ROAD 12.00. TURN LEFT THROUGH GATE, AND TAKE TRACK TO LEFT. DAM ON RIGHT. 13.40. PASS AROUND DAM ON LEFT. 14.15. THROUGH IRON GATE ALONG POWERLINE. STEEP CLIMB. 14.90 THROUGH LOCKED GATE. C.M.A LOCK. 15.10 TURN LEFT, OFF, POWER LINE TRACK, ONTO BLAZED TRACK. THROUGH TIMBER STEEP CLIMB. 4.W.D. TO CONC. OBS. PILLAR. 15.60. CONC. OBS. PILLAR.</p>	<p style="text-align: center;">Not to Scale</p> <p style="text-align: center;">This section to be completed by officer constructing pillar.</p> <p>Original station mark found/not found.</p> <p>Description of mark: BRASS TRIP. PLUG. IN CEMENTED BRICK WALL /</p> <p>Original beacon found/not found.</p> <p>Description of beacon: ROCK CASEN MAST 3 VANES /</p> <p>Height Top of Vanes to Top Mark 4.795 /</p> <p>Height of mark 0.025 above rock/0.330 above G.L. below</p> <p>Diameter of Vanes 1.00 / Height of Cairn 1.60 /</p> <p>Original Beacon has/has not been destroyed by me.</p>
Record of Station	
Date	NAME PLATE PLACED. ✓
14.5.81	CONC. OBS. PILLAR CONSTRUCTED.

GEODETIC SURVEY OF N.S.W.

CENTRAL MAPPING AUTHORITY

GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

- Description:
1. Cleared by lanes bearing 315.000 315.000 315.000 from Trig. Mast
 Note: Cross out word or words which do not apply
 2. Mast & Vanes have been painted white & black respectively. ✓
 3. The ~~marker~~ marker /pillar was ~~unplaced~~ placed on 12' A.P.L. 19.2.4., dimensions now being:
 Description of mark 5.5' Pillar should be explicit, e.g., S/Steel Pillar Plate, Steel plug, Brass plug, Bolt, G.I. Pipe
 Height of mark 1.3.14 m. ^{above} ~~below~~ rock/concrete; Mark is 1.5.10 m. ^{above} ~~below~~ G.L.
 Height of Top Vanes to Top Mark/Pillar plate 4.55 m. Diameter of Vanes (vertical) 1.55 m.
 Height of Cairn m. Diameter of Cairn m. Name Plate found/ ~~not found~~ /placed.
 Length of Mast 1.525 m. (~~approximate if not completed~~)
 4. A Brass Plug set in conc/rock has been ~~placed~~ /found, bearing 204.0 °M from ~~Mast/Plug~~ /Pillar
 5. A 5.5 M set in conc/rock has been ~~placed~~ /found, bearing 255.0 °M from ~~Mast/Plug~~ /Pillar
 6. A 5.5 M set in conc/rock has been ~~placed~~ /found, bearing 152.0 °M from ~~Mast/Plug~~ /Pillar
 7. A set in conc/rock has been placed /found, bearing °M from Mast/Plug/Pillar
 8. Action required:

STANDPOINT:				STANDPOINT:			
Mark	Direction	Horiz. Distance	Height Difference	Mark	Direction	Horiz. Distance	Height Difference
			above standpt.				above standpt.
			below				below
			above standpt.				above standpt.
			below				below
			above standpt.				above standpt.
			below				below
			above standpt.				above standpt.
			below				below
			above standpt.				above standpt.
			below				below

Prepared by: D. J. KAIT

Checked:

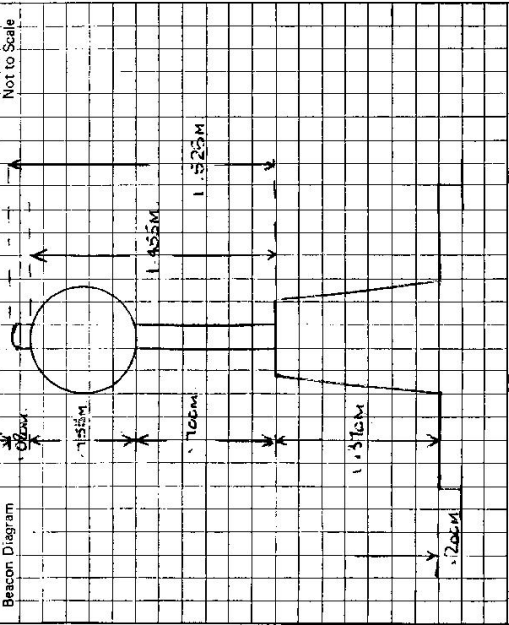
Noted on U.T.M. Card

STATION: DUNBAR Concrete Pillar No: 6714
 MAP SHEETS SCALE 1:250 000 Geoburn
 SCALE 1:100 000
 INSPECTED BY: D. J. KAIT DATE: 12 April 1984
 AUTHORITY: C.M.A. FIELD BOOK: 1942

Not to Scale

Sr 2733-2 D. West, Government Printer

STATION **TOWNSHIP CONCRETE PILLAR TS 6714**



Access
 Owner's Name: **MR. C. BARKER, 'OAKLANDS'** CURRUMBUWANG 21316
 Address: **Box 121 B, Boxers Creek Road** Address: **VALMART (DOWN) LAND.**
 Phone: **(048) 291 2172** Phone: **(048) 23 0445**
 ACCESS **12/4/1988**

Access Report of 15.5.19. It was found unobtainable.
 FENCE.
 Goulburn Post Office, Travel North along Hume Highway toward Sydney.
 0.00 Cross Boxers Creek.
 0.15 Immediately after Boxers Creek turn right access dual
 0.20 Highway. Straight ahead on gravel road.
 12.60 Turn left through gate and take track to left. Dam on right.
 13.40 Pass around dam on left.
 13.44 Take left fork.
 14.15 Through iron gate along power line - steep climb.
 14.46 Through locked gate. C.M.A. Lock.
 15.10 Turn left off power line track onto Blazed Track.
 15.60 Through timber, steep climb. Low range.
 Towans Concrete Pillar.
 Dry weather access only.

This section to be completed by officer constructing pillar.

Original station mark found/not found.

Description of mark:

Original beacon found/not found.

Description of beacon:

Height Top of Vane to Top Mark:m.

Height of mark:m. above G.L. below

Diameter of Vane:m. Height of Cairn:m.

Original Beacon has/not been destroyed by me.

Date	Record of Station