

CENTRAL MAPPING AUTHORITY
Department of Lands

Trigonometrical Survey of N.S.W.

RECONNAISSANCE and MAINTENANCE REPORT

This Trig. Station has been:-

Note: Cross out word or words which do not apply

1. Completely cleared to permit 360° vision to surrounding Trigs. ✓
2. Cleared by lances bearing..... from Trig. Mast
3. Trig. Mast & Vanes have been painted white & black respectively. ✓
4. The Trig. was unpiled/~~not supported~~, dimensions now being: **Found**
Description of mark **Steel Pipe in concrete** should be explicit, e.g. Steel plug, Brass plug, Bolt, G.I. Pipe

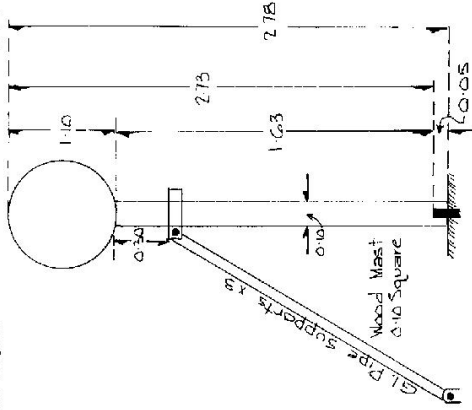
Height of mark..... m above ~~below~~ **concrete**..... m above below G.L.
 Height of Top Vanes to Top Mark **2.730** m. Diameter of Vanes (vertical) **1.10** m.
 Height of Cairn..... m. Diameter of Cairn..... m.
 Length of Mast **2.730** m. (approximate if not unplied)

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

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

Noted on U.T.M. Card *[Signature]*

STATION **GRAVEIN** | **TS-5506**
 Co: **Burnett** | Ph: **Myalla**
 Map Sheet: **Bingara** | No: **9038**
 Inspected by: **J.S. Halesham** | Date: **26-July 1974**
 Authority: **C.M.A.** | Field Book: **1368**
 Beacon Diagram: **Not to Scale**



Date: _____ Record of Station: _____

Checked: *[Signature]* **6/11/75**

CENTRAL MAPPING AUTHORITY
Department of Lands

Trigonometrical Survey of N.S.W.

RECONNAISSANCE and MAINTENANCE REPORT

This Trig. Station has been:

Note: Cross out word or words which do not apply

1. Completely cleared to permit 360° vision to surrounding Trigs.
2. Cleared by ~~James bearing~~ ~~Iron Trig Mast~~
3. Trig. Mast & Vanes have been painted white & black respectively.
4. The Trig. was unpiled/not unpiled, dimensions now being: ~~Cairn: 0.45m x 0.45m x 1.43m~~

Description of mark: ~~Roof top Pillar (S/S Spigot)~~ should be explicit, e.g. Steel plug, Brass plug, Bolt, G.I. Pipe

Height of mark: 1.15 m ^{above} ~~below~~ rock/concrete m ^{above} ~~below~~ G.L.

Height of Top Vanes to Top Mark: 1.430 m. Diameter of Vanes (vertical) 0.150 m.

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

Length of Mast: 1.525 m. (approximate if not unpiled)

5. A. Copper Nail set in conc/rock has been placed: 1.045 m, bearing: 2.41° M from Trig. Mast

6. A. Brass Bolt set in conc/soil has been placed: 5.442 m, bearing: 191° M from Trig. Mast

7. A. S/S Trig Pin set in conc/soil has been placed: 2.804 m, bearing: 196° M from Trig. Mast

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

9. Connection Brass Bolt to S/S Trig Pin: 2.660 m, bearing:° M

10. Connection Brass Bolt to Cu Nail: 4.851 m, bearing:° M

11. Connection: m, bearing:° M

12. Connection: m, bearing:° M

13. Diff. Ht. Top of Pillar is 1.174 m, ^{above} ~~below~~ S/S Trig Pin

14. Diff. Ht. " is 1.530 m, ^{above} ~~below~~ Brass Bolt

15. Diff. Ht. " is 1.280 m, ^{above} ~~below~~ Cu Nail

16. Diff. Ht. Brass Bolt is 0.358 m, ^{above} ~~below~~ S/S Trig Pin

Prepared by: *[Signature]* Checked: *[Signature]* Noted on U.T.M. Card

STATION GRAGIN PILLAR TS 5506

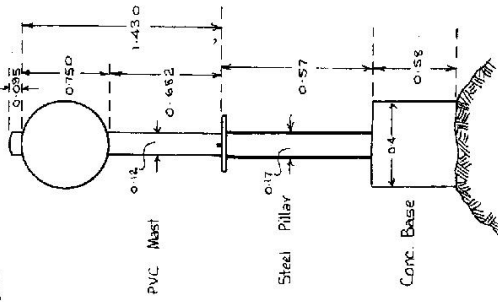
Co: BURBETT Ph: MYRALL

Map Sheet: BINGARA - N No: 9038

Inspected by: D. Kinlyside Date: 6.2.76

Authority: C.M.A. Field Book: 1469

Beacon Diagram Not to Scale



Date Record of Station

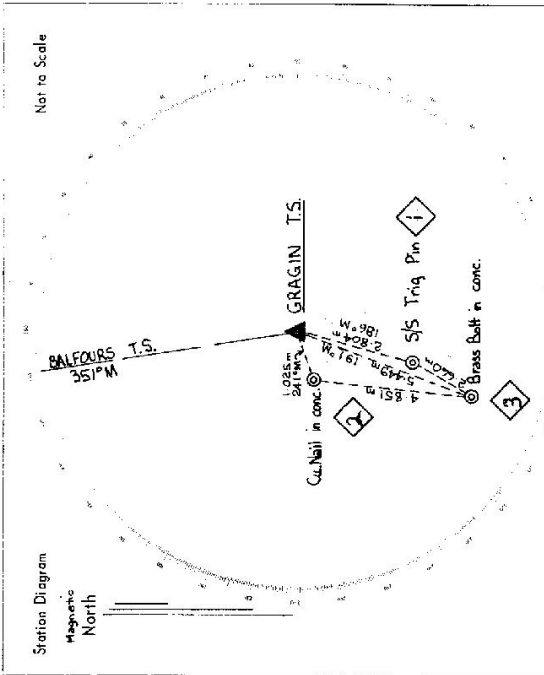
Checked

STATION GRAGIN PILLAR T.S. 5506

Owners Name.....
Current Occupant.....

Address.....
Address.....

Access.....



List of Observed Directions:-

Station	Direction	Station	Direction
Standpoint: Steel rooftop Pillar RJ Standpoint: Brass Bolt in conc ft.			
BALFOURS T.S.	353° 59' 60"	BALFOURS T.S.	353° 59' 60"
S/S Trig Pin	198° 27'	Cu Nail	19° 48'
Brass Bolt	199° 02' 30"	Steel Pillar	19° 02' 30"
Cu Nail	248° 36'	S/S Trig Pin	22° 50'
Station	Direction	Station	Direction

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Trigonometrical Survey of N.S.W.

RECONNAISSANCE and MAINTENANCE REPORT

This Trig. Station has been:-

Note: Cross out word or words which do not apply

1. Completely cleared to permit 360° vision to surrounding Trigs.
2. Cleared by lanes bearing..... from Trig. Mast
3. Trig. Mast & Vanes have been painted white & black respectively.
4. The Trig. was unpiled/not unpiled, dimensions now being:

Description of mark..... should be explicit, e.g. Steel plug, Brass plug, Bolt, G.I. Pipe
 Height of mark..... m ^{above} / _{below} rock/concrete m ^{above} / _{below} G.I.
 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 unpiled)

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}

Prepared by: _____

Checked: _____

Noted on U.T.M. Card

7-4-88

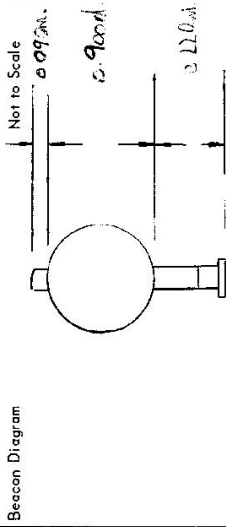
STATION UNCLERED BASE TO WILKIN (S) 5826

Co: SUBSET PH: MULLA

Map Sheet: WARRINDA No: 21

Inspected by: D. K. W. Date: 5/2/76

Authority: P.M.A. Field Book: 01409



Date	Record of Station
<u>1976</u>	<u>SMALL VANES & TOP SET RECALIBRATED</u>
	<u>LANE BEARING 0.90m.</u>

Checked A.J.

GEODETIC SURVEY OF M.S.W.

CENTRAL MAPPING AUTHORITY

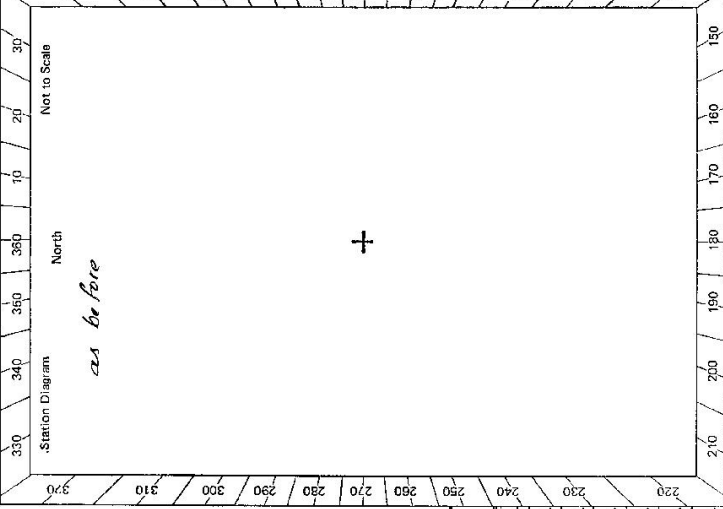
GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

STATION: GRAGIN GSOP TS No.: 5506

MAP SHEET SCALE 1:250 000 Inverell

INSPECTED BY: D. Fredriksson DATE: 1/3/78

AUTHORITY: 6712/1 FIELD BOOK: -



- Description: 30"
1. Cleared by ~~lines~~ bearing: Note: Cross out word or words which do not apply from Trig. Mast
2. Mast & Vanes have been painted white & black respectively.
3. The station/pillar 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} rock/concrete; Mark is.....m. ^{above} G.L.
 Height of Top Vanes to Top Mark/Pillar plate.....m. Diameter of Vanes (vertical).....m. ^{below} *below*
 Height of Cairn.....m. Diameter of Cairn.....m. Name Plate found/not found/placed. *05*
 Length of Mast.....m. (approximate if not unplaced)
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: *No action required*

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
			above standpt.				above standpt.
			below				below

Prepared by: K. Zahra 9/6/78 Checked: *[Signature]* Noted on U.T.M. Card

<p>Beacon Diagram</p> <table border="1" style="width: 100%; border-collapse: collapse; height: 150px;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> </table> <p style="font-size: small;">Not to Scale</p>																				<p>STATION GROGIN G.S. TS 5506</p> <p>Current Occupant:</p> <p>Address:</p> <p>Phone:</p> <p>ACCESS</p> <p>Access Report of 13/10/78 was found suitable/unsuitable.</p> <p>0.0 km Marialeda P.O. heading West 0.08 Turn Right "Stephen St." 0.3 Turn Right. Sign Grogin 13 (along st) 0.5 Veer Right 2.4 Straight ahead 19.4 Turn right at T intersection (Delunga) 20.1 Turn right, sign on mailbox "The Red" 20.2 Iron gate, and past house and around. R/S of shed to gate Iron gate leave vehicle - 10 minute walk (Approach hill from east side)</p>	<p>Owner's Name:</p> <p>Address:</p> <p>Phone:</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Date</th> <th style="width: 80%;">Record of Station</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	Date	Record of Station										
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<p>This section to be completed by officer constructing pillar.</p> <p>Original station mark found/not found.</p> <p>Description of mark:</p> <p>Original beacon found/not found.</p> <p>Description of beacon:</p> <p>Height Top of Vanes to Top Markm.</p> <p>Height of markm. above G.L., below G.L.</p> <p>Diameter of Vanesm. Height of Cairnm.</p> <p>Original Beacon has/has not been destroyed by me.</p>																																		

CENTRAL MAPPING AUTHORITY
 GEODETIC SURVEY OF N.S.W.
 GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

STATION: **GRAGIN (ROOF TOP PILLAR)** No.: **5506**
 MAP SHEET SCALE 1:250 000 **INVERELL**
 INSPECTED BY: **G. FORD** DATE: **22/11/82**
 AUTHORITY: **CMA** FIELD BOOK: **1930**

Description:
 1. Cleared by lanes bearing **360°** Note: Cross out word or words which do not apply
 2. Mast & Vanes have been painted white & black respectively. **L** from Trig. Mast
 3. The station/pillar was unpiled/not unpiled/constructed on **19** dimensions now being:
 Description of mark **ROOF TOP PILLAR** should be explicit, e.g., **Steel Plug-Brass Plug-Brass G.I. Pipe**
 Height of mark **1.55** m. above **rock/concrete**; Mark is **1.55** m. above **G.L.**
 Height of Top Vanes to Top Mark/Pillar plate **1.20** m. Diameter of Vanes (vertical) **0.900** m.
 Height of Cairn **0** m. Diameter of Cairn **0** m. Name Plate found/**not found**/placed.
 Length of Mast **0** m. (approximate if not unpiled)

4. **A. COPPER NAIL** set in **conc/rock** has been placed/**found**; bearing **356°** M from Mast/Plug/Pillar
 5. **A. DRILL HOLE IN ROCK** set in **conc/rock** has been placed/**found**; bearing **296°** M from Mast/Plug/Pillar
 6. **A.** set in **conc/rock** has been placed/**found**; bearing **0°** M from Mast/Plug/Pillar
 7. **A.** set in **conc/rock** has been placed/**found**; bearing **0°** M from Mast/Plug/Pillar
 8. Action required: **0**

STANDPOINT: ROOF TOP PILLAR		STANDPOINT: COPPER NAIL	
Mark	Direction	Mark	Direction
BALL FEELS PEAK (CONC)	0 00 00	BALL FEELS PEAK (CONC)	0 00 00
DRILL HOLE IN ROCK	227 52 50	ROOF TOP PILLAR	175 21 30
WARRIALDA (P)	278 29 10	DRILL HOLE IN ROCK	199 51 10
BARO TOWER/WARRIALDA CS	278 32 20	WARRIALDA (P)	278 27 30
COPPER NAIL	355 20 50	BARO TOWER/WARRIALDA CS	278 31 50

Prepared by: **G. Ford** Checked: **G. Ford**
 Noted on U.T.M. Card



STATION GARGIN TS 5506 ROCK TOP PILLAR

Owner's Name: MR. C. J. TAMMOR Current Occupant:

Address: "THE PEAK" Address:

Phone:

Phone:

ACCESS

Access Report of 22.11.1982 was found suitable/unsuitable.

0.00 WARRALDA P.O. HEADING WEST

0.08 TURN RIGHT "STEPHEN ST"

0.3 TURN RIGHT SIGN GARGIN 13 (LONG ST)

0.5 VEL. RIGHT

2.4 STRAIGHT AHEAD

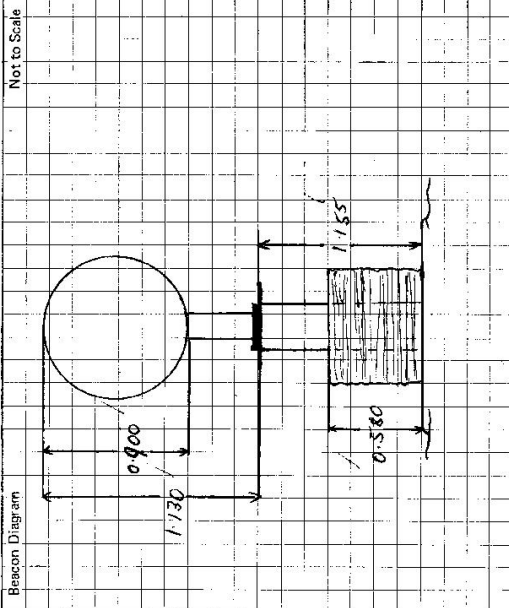
19.4 TURN RIGHT AT T INTERSECTION (BELUNGGA)

20.1 TURN RIGHT SIGN ON MAIL BOX "THE PEAK" SHEARING

20.2 IRON GATE AND PAST HOUSE AND AROUND R.M.S OF SHED TO GATE

20.5 IRON GATE

21.0 LEAVE VEHICLE 5-10 MINUTE WALK TO TRIG (ADMONA HILL FROM EAST SIDE)



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 Vanes to Top Mark.....m.

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

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

Original Beacon has/has not been destroyed by me.

Date	Record of Station

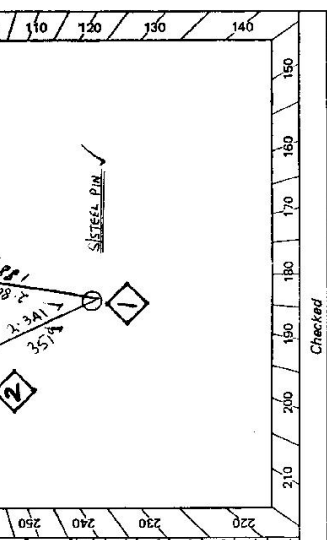
CENTRAL MAPPING AUTHORITY

GEODETIC SURVEY OF N.S.W.

GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

- Description: *Note: Cross out word or words which do not apply*
- Cleared by lanes bearing 360° WITH ONE TRIG. ST. 150° from Trig. Mast
 - Mast & Vanes have been painted white & black respectively.
 - The station/pillar was unpiled/~~replaced~~ 19..... dimensions now being:
Description of mark ROOF TOP PILLAR should be explicit, e.g., S/Steel Pillar Plate-Steel plug- Brass plug- Bolt- G.I. Pipe
Height of mark 1.155 m. above rock/concrete; Mark is 1.55 m. above G.L.
Height of Top Vanes to Top Mast/Pillar plate 1.433 m. Diameter of Vanes (vertical) 0.908 m.
Height of Cairn..... m. Diameter of Cairn..... m. Name Plate found/~~not found~~/placed.
Length of Mast..... m. (approximate if not unpiled)
 - A..... STEEL PIN set in conc/rock has been placed/found, bearing 188.6 M from Mast/Plug/Pillar
 - A..... COPPER NAIL set in conc/rock has been placed/found, bearing 241.6 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:



STATION: G R A G I N ✓
 MAP SHEETS SCALE 1:250 000 I N V E R L L A ✓
 INSPECTED BY: G F O R D ✓
 AUTHORITY: C M A ✓
 No.: 5506
 SCALE 1:100 000 B I M G A R A ✓
 DATE: 25-6-86
 FIELD BOOK: C 381 ✓

STANDPOINT: <u>ROOF TOP PILLAR</u>		STANDPOINT: <u>STEEL PIN</u>	
Mark	Direction	Mark	Direction
^{72.5} WARIALDA (P)	0 00 00 ✓	WARIALDA (P)	0 00 00 ✓
G R A M A N (P)	141 01 00 ✓	COPPER NAIL	76 29 00 A 34 ✓
STEEL PIN	277 01 50 ✓	ROOF TOP PILLAR	97 00 20 A 80 ✓
COPPER NAIL	330 09 40 ✓	G R A M A N	140 59 55 ✓

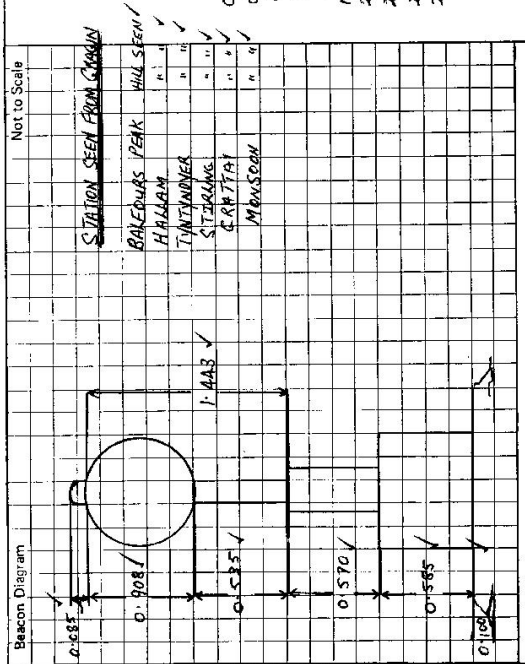
Mark	Horiz. Distance	Height Difference	Horiz. Distance	Height Difference
^{72.5} WARIALDA (P)		above standpt.		above standpt.
G R A M A N (P)		above standpt.		above standpt.
STEEL PIN		below standpt.		below standpt.
COPPER NAIL		above standpt.		above standpt.
		below standpt.		below standpt.
		below standpt.		below standpt.
		below standpt.		below standpt.
		below standpt.		below standpt.

Prepared by: J. Ford 27/86
 Checked: Phil, 4/7/86
 Noted on U.T.M. Card

STATION **GRAGIN TS 5506**

Owner's Name: **MR C.J. TAYLOR**
 Address: **THE PEAK**
 Phone:
 Current Occupant:
 Address:
 Phone:
ACCESS

Access Report of **25.6/1988** was found suitable/unavailable.
 0:00 **WARALDA RD HEADING WEST**
 0:08 **TURN RIGHT STEPHEN ST**
 0:3 **TURN RIGHT SIGN GRAGIN 3 [LONG ST]**
 0:5 **VEER RIGHT**
 2:4 **STRAIGHT AHEAD**
 19:4 **TURN RIGHT AT T INTERSECTION [DELANGRA]**
 20:1 **TURN RIGHT SIGN ON MARK BOX "THE PEAK"**
 20:2 **IRON GATE AND PAST HOUSE AND AROUND R.H.S. OF SHEARWASHED TO GATE**
 20:5 **IRON GATE**
 21:0 **LEAVE VEHICLE [5-10 MIN WALK TO TAG]**



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 Vanes to Top Mark.....m.
 Height of mark.....m. above G.L. below
 Diameter of Vanesm. Height of Cairnm.
 Original Beacon has/has not been destroyed by me.

Date	Record of Station