CENTRAL MAPPING AUTHORITY

Department of Lands

Trigonometrical Survey of N.S.W.

RECONNAISSANCE and MAINTENANCE REPORT

74-98

STATION MOONBI O. P TS 5467

Co: INGLIS ✓ | Ph: PERRY ✓

Map Sheet: BENDEMEER SOUTH ✓ | No: 9136-S ✓

Inspected by: C. J. BROWN. | Date: 31st October, 1975

Authority C. M. A. | Field Book: 1472 ✓

This Trig. Station has been:- *Note: Cross out word or words which do not apply*

X. Completely cleared to permit 360° vision to surrounding Trigs.

X. 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: Original Station Mark found/~~not found~~

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

Height of mark ..... m above/~~below~~ rock/concrete ....1·41.... m ~~above~~/below G.L. ✓

Height of Top Vanes to Top Mark ..1·443.. m. ✓ Diameter of Vanes (vertical) 0·750 m. ✓

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

Length of Mast ...0·693... ✓ m. (approximate if not unpiled)

5. A. SSM 9287 ✓ set in conc/~~rock~~ has been placed ...1·754 ✓ m. bearing ....329 ✓ °M from Trig. Mast

6. A ~~Cartridge Case~~ ✓ set in conc/~~soil~~ has been placed ...3·298 ✓ m. bearing ....9 ✓ °M from Trig. Mast

7. A Astro Pillar set in conc/~~soil~~ has been placed ...2·913 ✓ m. bearing ....91 ✓ °M from Trig. Mast

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

9. Connection Cart. Case ✓ to Astro Pillar ✓ : 4·078 ✓ m. bearing ...144 ✓ °M

10. Connection Cart Case ✓ to ~~S.S.M. 9287~~ ✓ : 2·258 ✓ m. bearing ...220 ✓ °M

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

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

C. B. 21/1/76
SENIOR TRIGONOMETRICAL SURVEYOR

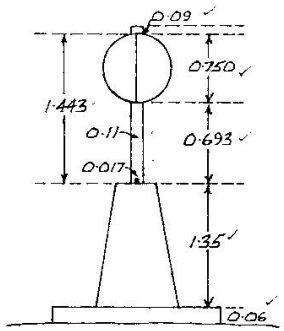
13. Diff. Ht. ....S.S.M. 9287 ✓.... is 1·433 ✓ m. ~~above~~/below ....Pillar Plate ✓....

14. Diff. Ht. Trig. Cartridge Case is 1·584 ✓ m. ~~above~~/below ....Pillar Plate ✓....

15. Diff. Ht. C.M.A. Astro Pillar ✓ is 0·122 ✓ m. ~~above~~/below ....Pillar Plate ✓....

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

Beacon Diagram — Not to Scale

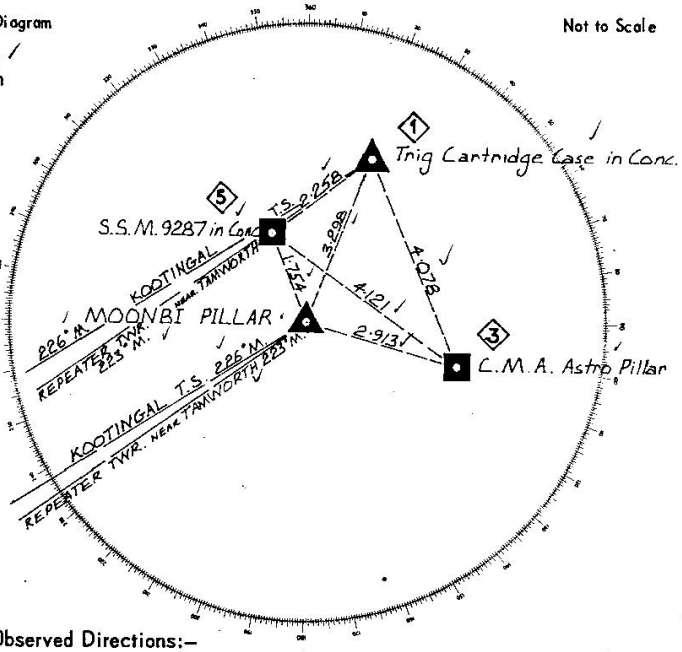


Date	Record of Station

Prepared by: C. J. Brown Checked: J. Scott Noted on U.T.M. Card Checked

STATION MOONBI O.P. TS 5467

Station Diagram — Not to Scale



List of Observed Directions:–

Standpoint: Conc. Observation Pillar Standpoint: Trig Cartridge Case in Conc

Station	Direction	Station	Direction
REPEATER TWR NEAR TAMWORTH	359 59 60	REPEATER TWR NEAR TAMWORTH	359 59 60
KOOTINGAL T.S.	2 42 24	KOOTINGAL T.S.	2 42 14
S.S.M. 9287 in Conc	106 20	C.M.A. Astro Pillar	281 27
Trig Cartridge Case in Conc	146 28	Conc. Obs. Pillar - Spiggot	326 28
C.M.A. Astro Pillar	228 16	S.S.M. 9287 in Conc	356 31

Station	Direction	Station	Direction

Owners Name.....

Address.....

.....

Access

Current Occupant.....

Address.....

.....

CENTRAL MAPPING AUTHORITY

GEODETIC SURVEY OF N.S.W.

GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

STATION: MOONBI [P] | TS No.: 5467

MAP SHEET SCALE 1:250 000 MANILLA

INSPECTED BY: | DATE: before Sept 77

AUTHORITY: D.M.R. | FIELD BOOK:

Description: *Note: Cross out word or words which do not apply*

1. Cleared by lanes bearing..... from Trig. Mast
2. Mast & Vanes have been painted white & black respectively.
3. The ~~station~~/pillar was unpiled/not unpiled/constructed on.....N/A.....19....., dimensions now being:

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

   Height of mark...1·35....m. above / ~~below~~ ~~rock~~/concrete; Mark is.....m. above / below G.L.

   Height of Top Vanes to Top ~~Mark~~/Pillar plate ...1·45.....m. Diameter of Vanes (vertical)....0·75....m.

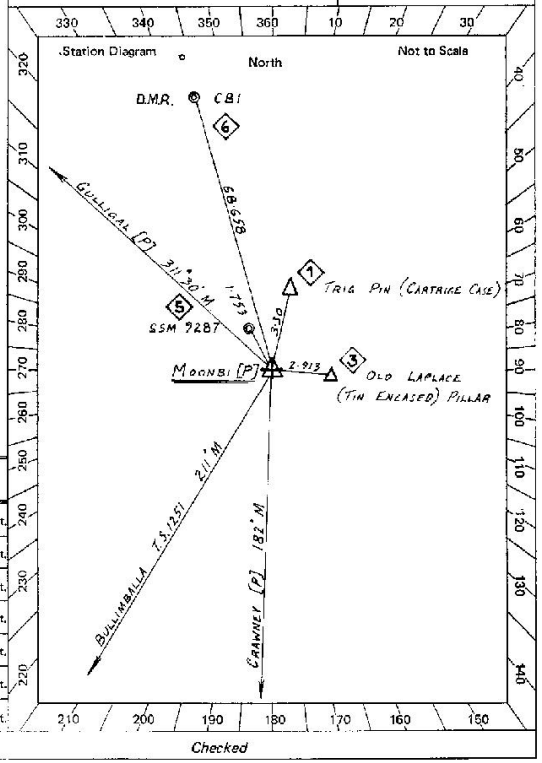
   Height of Cairn.....m. Diameter of Cairn.....m. Name Plate found/not found/placed.

   Length of Mast .....1·53.....m. (approximate if not unpiled)
4. A....SSM 9287.....set in conc/~~rock has been placed~~/found, bearing....331..°M from Mast/Plug/Pillar
5. A....TRIG PLUG.....set in conc/rock ~~has been placed~~/found, bearing.....11....°M from Mast/Plug/Pillar
6. A....LAPLACE PILLAR..set in conc/~~rock has been placed~~/found, bearing..92....°M from Mast/Plug/Pillar
7. A....D.M.R. CB.....set in conc/~~rock~~ has been placed/~~found~~, bearing.345....°M from Mast/Plug/Pillar
8. Action required:.....

STANDPOINT: MOONBI [P] (C.M.A. CONCRETE PILLAR) STANDPOINT: D.M.R. CB1

Mark	Direction	Horiz. Distance	Height Difference	Mark	Direction	Horiz. Distance	Height Difference
BULLIMBALLA T.S.	0°00'00"	—	— above / below standpt.	MOONBI T.S. PLUG	162°31'40"	65·727	— above / below standpt.
SSM 9287	120°33'00"	1·753	1·45 above / ~~below~~ standpt.	MOONBI [P]	163°49'30"	-	— above / below standpt.
D.M.R. CB1	133°57'35"	68·658	5·52 above / below standpt.				above / below standpt.
TRIG PLUG	160°42'12"	3·30	1·54 above / below standpt.				above / below standpt.
LAPLACE PILLAR	242°30'30"	2·913	0·12 above / below standpt.				above / below standpt.
			above / below standpt.				above / below standpt.
			above / below standpt.				above / below standpt.

Prepared by: R. Pierce. Checked: KEN BRIGGS Noted on U.T.M. Card Checked

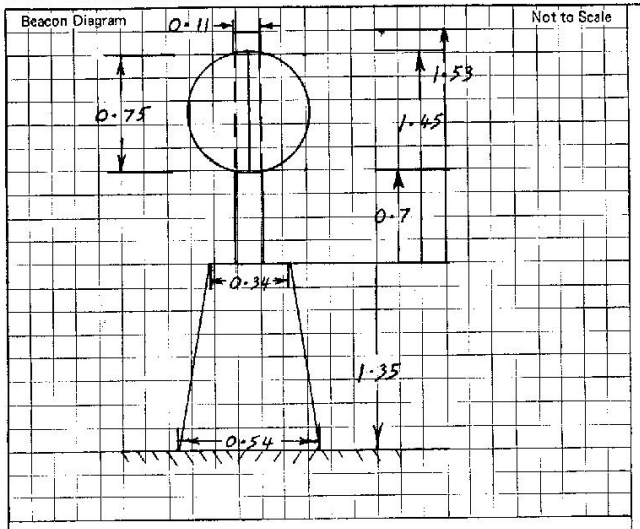


St 2733–1

St 2733—2 D. West, Government Printer

STATION MOONBI [P] TS 5467

Beacon Diagram



Not to Scale

Owner's Name: .....

Address: .....

.....

Phone: .....

Current Occupant: .....

Address: .....

.....

Phone: .....

ACCESS

Access Report of C.M.A. 1975 was found suitable/~~unsuitable~~.

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/below rock/conc .....m. above/below G.L.

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

STATION: G.S. MOONBI [P] | TS No.: 5467

MAP SHEET SCALE 1:250 000: MANILLA

INSPECTED BY: S. GREENING | DATE: Sept '77

AUTHORITY: D.M.R. | FIELD BOOK: CS. 165

Description:

Note: Cross out word or words which do not apply

1. Cleared by lanes bearing..... not noted .....from Trig. Mast
2. Mast & Vanes ~~have been painted~~ are white & black respectively. and are OK. Conc. Pillar
3. ~~The station/pillar was unpiled/not unpiled/constructed on.....19.....~~ dimensions now being:

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

   Height of mark 1.35 m. above/~~below~~ ~~rock~~/concrete; Mark is 1.5 m. above/~~below~~ G.L.

   Height of Top Vanes to ~~Top Mark~~/Pillar plate 1.45 m. Diameter of Vanes (vertical) 0.75 m.

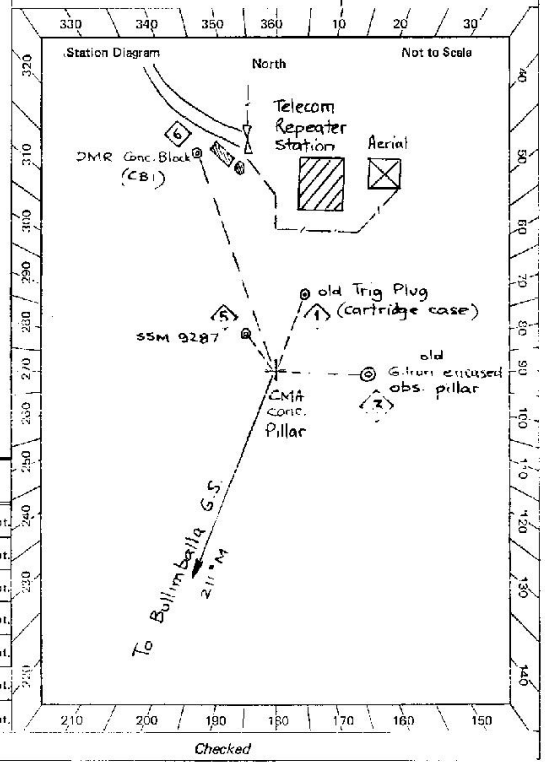
   ~~Height of Cairn.....m. Diameter of Cairn.....m.~~ Name Plate found/~~not found/placed.~~

   Length of Mast 1.53 m. (approximate if not unpiled)
4. A DMR Conc. Block ~~set in conc/rock~~ has been placed/~~found~~, bearing 345 °M from ~~Mast/Plug~~/Pillar
5. A Cartridge Case (fr. old plug) set in conc/~~rock~~ has been ~~placed~~/found, bearing 12 °M from ~~Mast/Plug~~/Pillar
6. An old Obs. Pillar (encased in G. Iron) set in conc/~~rock~~ has been ~~placed~~/found, bearing 93 °M from ~~Mast/Plug~~/Pillar
7. An SSM plaque set in ~~conc~~/rock has been ~~placed~~/found, bearing 332 °M from ~~Mast/Plug~~/Pillar
8. Action required:.....

STANDPOINT: (New) Pillar

Mark	Direction	Horiz. Distance	Height Difference	Mark	Direction	Horiz. Distance	Height Difference
G.S. Bullimbalia	0° 00' 00"	—	– above/~~below~~ standpt.				above/below standpt.
SSM 9287	120° 33' 00"	1.753	1.45 ~~above~~/below standpt.				above/below standpt.
Conc Block (CB1)	133° 57' 35"	68.658	5.52 ~~above~~/below standpt.				above/below standpt.
old Trig Plug (Cartr.)	160° 42' 12"	3.30	1.54 ~~above~~/below standpt.				above/below standpt.
old Obs. Pillar	242° 30' 30"	2.913	0.12 ~~above~~/below standpt.				above/below standpt.
			above/below standpt.				above/below standpt.
			above/below standpt.				above/below standpt.

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



St 2733–1

St 2733—2 D. West, Government Printer

STATION G.S. MOONBI [P] TS 5467

Beacon Diagram — Not to Scale

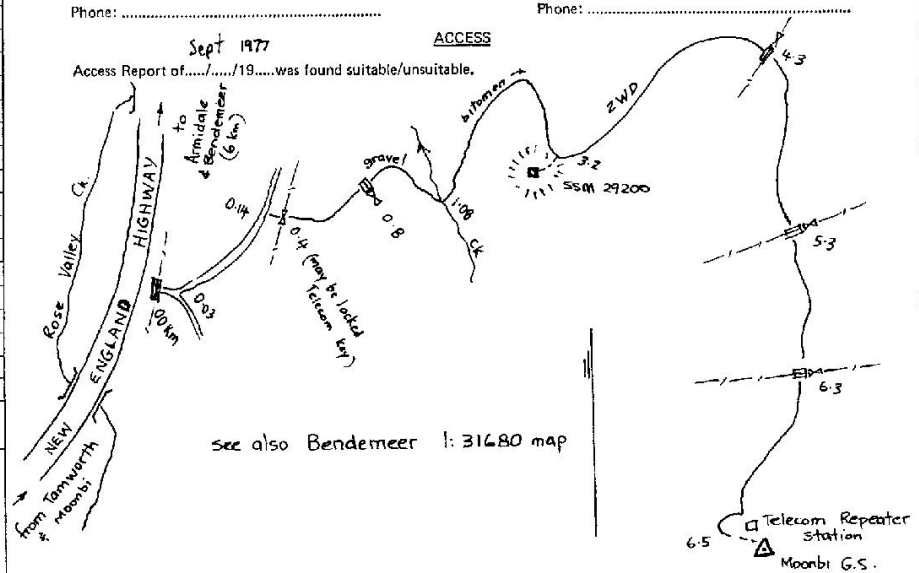
Owner's Name: .....
Address: .....
.....
Phone: .....

Current Occupant: .....
Address: .....
.....
Phone: .....

Sept 1977

ACCESS

Access Report of...../...../19.....was found suitable/unsuitable.



see also Bendemeer 1: 31680 map

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/below rock/conc.....m. above/below G.L.

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

STATION: MOONAI No.: 5467

MAP SHEET SCALE 1:250 000 MANILLA

INSPECTED BY: O. MOSS DATE: 6.5.82

AUTHORITY: C.M.A. 55/11/650 FIELD BOOK: 2001

Description:

Note: Cross out word or words which do not apply

1. Cleared by lanes bearing 360° - SEE DIAGRAM from Trig. Mast
2. ~~Mast & Vanes have been painted white & black respectively.~~
3. The ~~station~~/pillar was ~~unpiled/not unpiled~~/constructed on 6 MAY 19 82, 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 CAIRN m. above/below G.L.

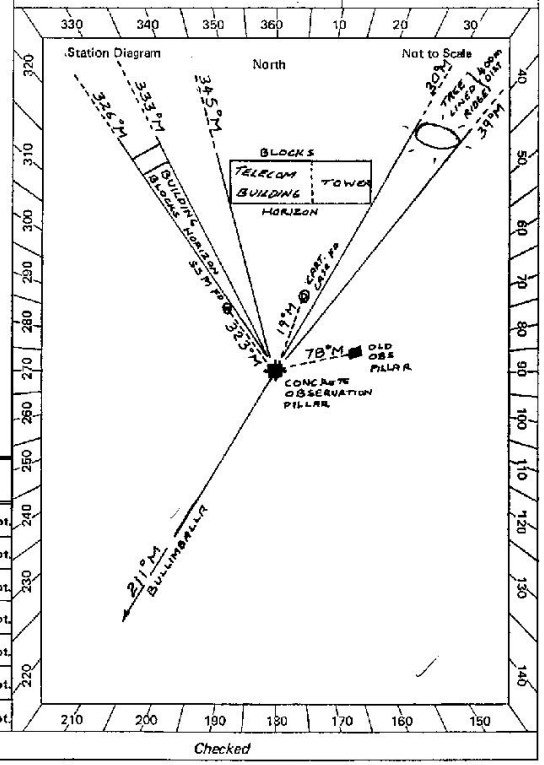
   Height of Top Vanes to Top Mark/Pillar plate ..... m. Diameter of Vanes (vertical) ..... m.

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

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

   SEE PREVIOUS R & M

4. A CART CASE ..... set in conc/~~rock~~ has been ~~placed~~/found, bearing 19 °M from Mast/~~Plug/Pillar~~
5. A OLD OBS. PILLAR ..... set in conc/~~rock~~ has been ~~placed~~/found, bearing 78 °M from Mast/~~Plug/Pillar~~
6. A SSM ..... set in conc/~~rock~~ has been ~~placed~~/found, bearing 323 °M from Mast/~~Plug/Pillar~~
7. A ..... set in conc/rock has been placed/found, bearing ..... °M from Mast/Plug/Pillar
8. Action required: REPAIR MAST. REPLACE STEEL ALLAN BOLTS WITH S/STEEL.



STANDPOINT:

Mark	Direction	Horiz. Distance	Height Difference
BULLIMBALLA	219°44'	2·3	C.MRV above/below standpt.
CLENDON	207°55'	15·6	HILL above/below standpt.
DEN	324°23'	23·0	BY PROFILE above/below standpt.
BENDEMEER	357°40'	11·9	C.MRV above/below standpt.
TURKEY MTN.	12°24'	22·6	HILL above/below standpt.
RIMBANDA	42°10'	20·0	TOWER ON LINE above/below standpt.
STANDBYE	44°38'	29·2	HILL above/below standpt.

STANDPOINT:

Mark	Direction	Horiz. Distance	Height Difference
SITE B	343°	14 KM	HILL above/below standpt.
ROOFTOP PILLAR ON MOUNT GULIGAL	320°12'	6·5	PILLAR above/below standpt.
			above/below standpt.
			above/below standpt.
			above/below standpt.
			above/below standpt.
			above/below standpt.

Prepared by: O. J. Moss Checked: Noted on U.T.M. Card Checked

S: 2733–1

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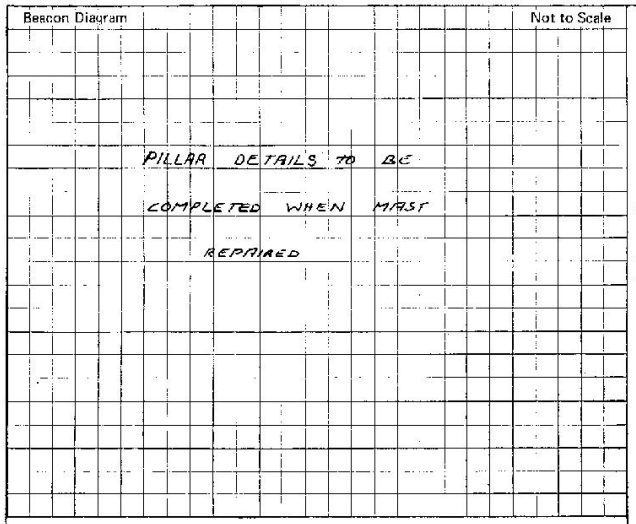
STATION MOONBI TS 5467

GS

Beacon Diagram — Not to Scale



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/below rock/conc .....m. above/below G.L.

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

Original Beacon has/has not been destroyed by me.

Owner's Name: R. M. O'BRIEN
Address: BOX 198
MOSS VALE
Phone:

Current Occupant: MR FORSYTH
Address: "THE RANGE"
MOONBI
Phone: 067 696505

ACCESS BY 2 WHEEL DRIVE

Access Report of 6./5./1982 was found suitable/unsuitable.

KM	
0.00	AT P.O. BENDEMEER – HEADING SOUTH TOWARDS TAMWORTH
5.59	TURN OFF HIGHWAY ONTO DIRT TRACK THEN TAKE LEFT FORK
5.73	TURN RIGHT (STRAIGHT AHEAD TO OWNERS HOUSE)
5.97	LOCKED GATE – KEY FROM MR FORSYTH NB: CONTACT THE DAY BEFORE VISIT
6.35	GRID
6.62	CAUSWAY – START OF BITUMEN. FOLLOW BITUMEN ROAD TO TOP OF MOUNTAIN. G.S. MOONBI IS ON S.W SIDE OF TELECOM BUILDINGS.
11.71	AT G.S.

Date	Record of Station
6.5.82	MANAGER (MR FORSYTH) CONTACTED. HE SHOULD BE CONTACTED BEFORE FUTURE VISITS TO ARRANGE FOR KEY

CENTRAL MAPPING AUTHORITY

GEODETIC SURVEY OF N.S.W.

GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

STATION: Moorabi Conc. obs. Pillar. No.: TS 5467

MAP SHEET SCALE 1:250 000 Manilla.

INSPECTED BY: D J. Kain. DATE: 26th July 1982

AUTHORITY: C. M.A. FIELD BOOK: 1936

Description: *Note. Cross out word or words which do not apply*

1. Cleared by lanes bearing..... For G.P.S. see sky Plot. ..... from Trig. Mast
2. Mast & Vanes have been painted white & black respectively.
3. The station/pillar 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 1.405 m. Diameter of Vanes (vertical) 0.75 m.

   Height of Cairn.....m. Diameter of Cairn.....m. Name Plate found/~~not found~~/~~placed~~. Central Mapping Authority. Geodetic Station. Moorabi.

   Length of Mast 1.495 m. (approximate if not unpiled)

   NEW MAST
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:.....

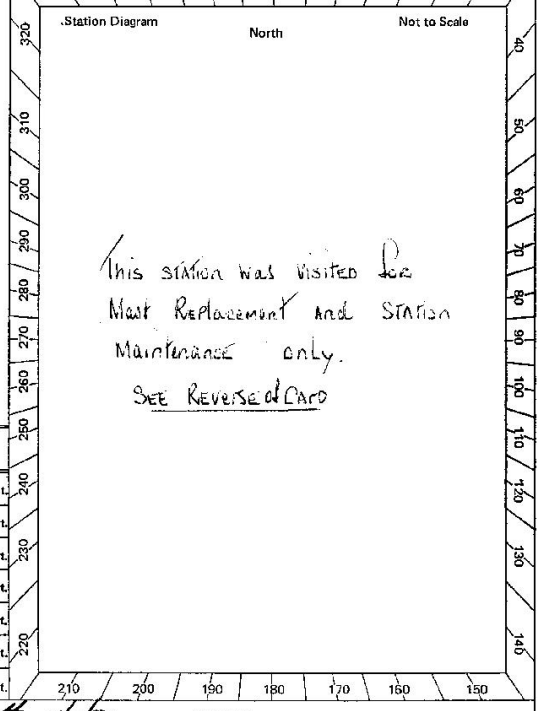
STANDPOINT:

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

STANDPOINT:

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

Station Diagram — North — Not to Scale



This station was visited for Mast Replacement and station Maintenance only.

See Reverse of Card

Prepared by: *Checked:* AS 11/8/82 *Noted on U.T.M. Card* 11/5/83 *Checked*

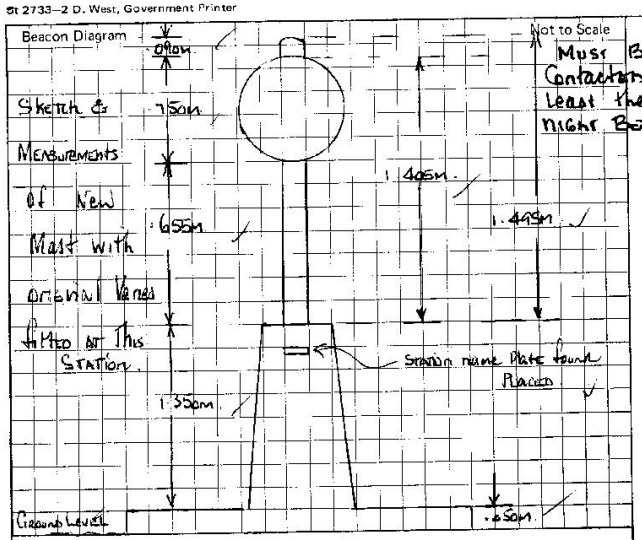
St 2733—1

St 2733—2 D. West, Government Printer

TS 5467

STATION Moonbi Concrete observation Pillar.

Beacon Diagram — Not to Scale



Must Be Contacted at Least the night Before

Owner's Name: MARGARET O'BRIEN
Address: Box 198,
Moss Vale
Phone: (067) 69 6505.

Not Sure if MR. GROGAN Lives Here.

S/N. Manager. Current Occupant: MR. BRIAN GROGAN.
Address: The Ranger
Moonbi
Phone: (067) 69 6505

ACCESS

Access Report of 6/5/1982 was found suitable/~~unsuitable~~.

KMS.	FEATURE.
0.00	At P.O. Bendemeer — Heading South towards Tamworth.
5.59	Turn off Highway onto Dirt Track, Then Take Left Fork.
5.73	Turn Right. (Straight Ahead to Owners House.)
5.97	Locked Gate. Key from Mr. Grogan N.B. Contact The Day Before Visit. Brian
6.35	Grid.
6.62	Causeway — Start of Bitumen. Follow Bitumen Road to Top of Mountain. Moonbi Pillar is on S/Western Side of Telecom Buildings.
11.71	Moonbi Concrete observation pillar.

TIME:- TAMWORTH TO Δ ABOUT 40 MINUTES

ACCESS FROM SOUTH

0.0 HEAD NTH FROM MOONBI P.O.
13.18 TURN RIGHT ONTO DIRT ROAD JUST AFTER MASONS GULLY 5.59 ABOVE.

This section to be completed by officer constructing pillar.

Original station mark ~~found~~/not found.

Description of mark: —

Original beacon found/~~not found~~. P.V.C. Mast was found broken at top. Mast was replaced original Vanes were re-used.

Description of beacon: Pillar, Mast & Vanes

Height Top of Vanes to Top Mark 1.445 m.

Height of mark — m. above/below rock/conc — m. above/below G.L.

Diameter of Vanes .750 m. Height of Cairn — m.

Original ~~Beacon~~ Mast 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

STATION: Moonbi Conc. obs. Pillar. No.: 5467

MAP SHEET SCALE 1:250 000: MANILLA.

INSPECTED BY: D.J. Kain. DATE: 8th October 1983

AUTHORITY: C.M.A. FIELD BOOK: 1942.

Description:

Note: Cross out word or words which do not apply

1. Cleared by lanes bearing.....from Trig. Mast
2. Mast & Vanes have been painted white & black respectively.
3. The station/pillar 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.....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~~: Station visited for purpose of connection to Lands Dept. Ecce. Pillar Then Destroy Ecce Pillar.

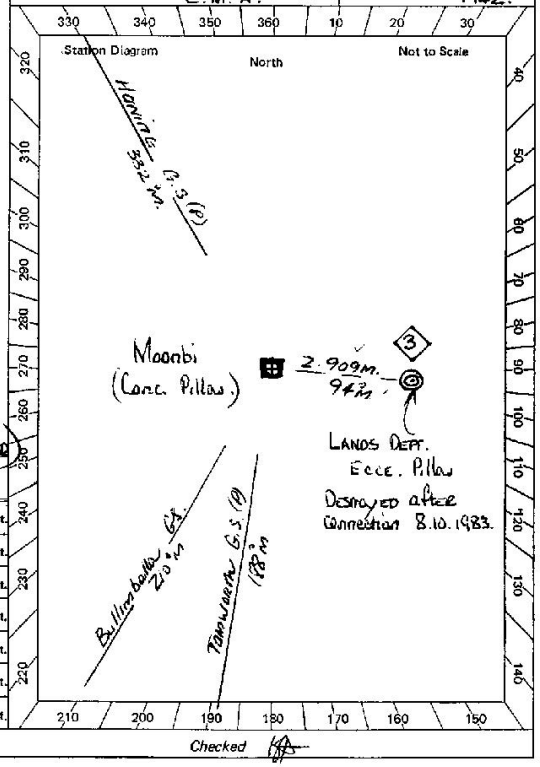
STANDPOINT: Conc. obs. Pillar

Mark	Direction	Horiz. Distance	Height Difference
Bullimbalta G.S.	0° 00' 00"		above/below standpt.
Blanche G.S.(P)	58 27 57		above/below standpt.
Haning G.S.(P)	123 25 13		above/below standpt.
Ecce Pillar.	242 31 08	2.909	·141 above/below standpt.
Tamworth G.S.(P)	337 48 18		above/below standpt.
			above/below standpt.
			above/below standpt.

STANDPOINT: Land Dept. Ecce Pillar (Now destroyed)

Mark	Direction	Horiz. Distance	Height Difference
Bullimbalta G.S.	0 00 00		above/below standpt.
Blanche G.S.(P)	58 24 09		above/below standpt.
Conc. obs Pillar.	62 27 29	2.909	·140 above/below standpt.
Haning G.S.(P)	123 20 42		above/below standpt.
Tamworth G.S.(P)	337 45 02		above/below standpt.
			above/below standpt.
			above/below standpt.

Station Diagram — North — Not to Scale



Prepared by: D. Kain. Checked: Noted on U.T.M. Card Checked

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