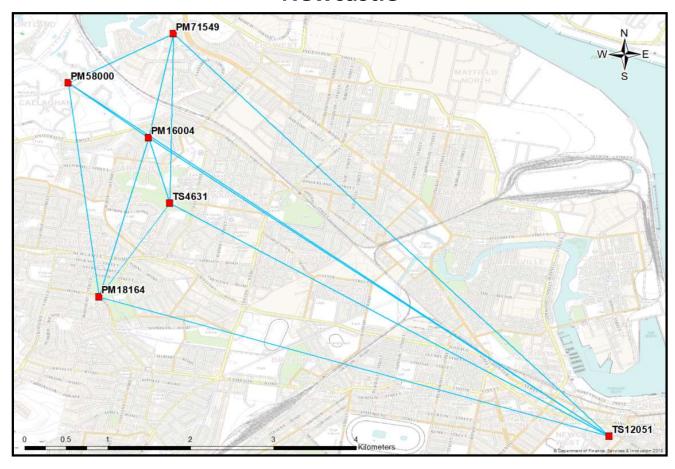


NSW GNSS TEST NETWORK:

Newcastle



Station	MGA2020 - Zone 56		Height		
	Easting (m)	Northing (m)	Ellipsoid (m)	Geoid (m)	Derived AHD (m)
PM16004	379846.622	6359443.088	47.570	25.840	21.730
PM18164	379366.079	6357489.590	42.378	25.794	16.584
PM71549	380083.169	6360717.831	50.169	25.872	24.297
TS12051 (Newcastle CORS)	384558.017	6355844.194	52.857	25.709	27.148
TS4631	380069.323	6358642.477	103.391	25.818	77.573
TS58000	379021.827	6360101.644	52.286	25.862	26.425

Warning!

Coordinates are to be used for GNSS validation only.

Values differ from those published in SCIMS.



NSW GNSS TEST NETWORK:

Newcastle

Network Information

The Newcastle GNSS Test Network has been derived through a 3 dimensional minimally constrained least squares adjustment holding constrained TS12051 (Newcastle CORS). The adjustment was run on 28/01/2020.

TS12051 coordinates (Latitude, Longitude and Elevation above Ellipsoid) have been sourced from the GDA2020 Regulation 13 Certificate.

GDA2020

SCIMS ID & (Name)	Lattitude	Longitude	Ellipsoid Height (m)	Date
TS12051 (Newcastle CORS)	S 32° 55' 46.46567"	E 151° 45' 54.84041"	52.857	28/01/2020

MGA2020

SCIMS ID & (Name)	Easting (m)	Northing (m)	Ellipsoid Height (m)	Date
TS12051 (Newcastle CORS)	384558.017	6355844.194	52.857	28/01/2020

Adjustment Observation Weightings

Horizontal 5mm + 0.7ppm and 0.0015/0.0015 Centring Vertical 15mm + 2.0ppm and 0.002/0.002 Centring

Geoid / Ellipsoid Separation (N)

Source: AUSGEOID2020 (Date: 28/01/2020)

Notes

For an accurate comparison, observe the network shown and run a minimally constrained least squares adjustment as detailed above.

Contact a representative from DCS Spatial Services if further information/clarification is required or to report any mark disturbance or significant differences in results.

No Positional or Local Uncertainty has been determined.



Photos:





Sketch:

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	NEWCASTLE 9232 Aerial	
NOTE - Measurements are to be	shown from the most to as many nearly	survey marks, buildings, fence posts, kerbs, etc.,
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Mark placed by	94.8241771 31.131.71 Date	PROVISIONAL SKETCH ONLY
Locality sketch drawn by	Date 2	3/4/11
Locality sketch put into use by	Saluery 2-5-74 Dois	Officer-in-Charge
	PM No. 16004	Survey Co-ordination Branch
		- 8. MAY 1972

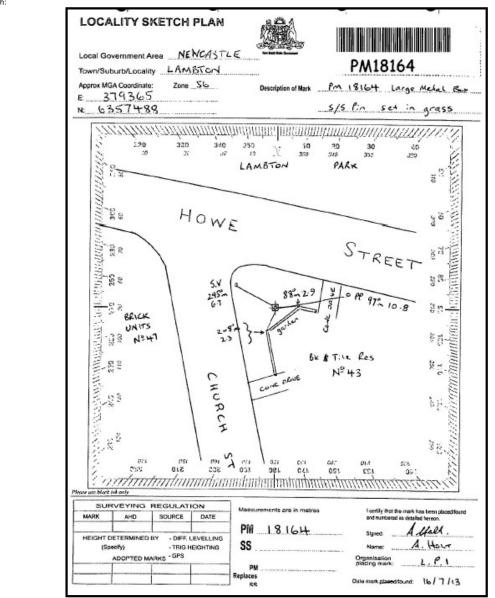


Photos:





Sketch:





Photos:

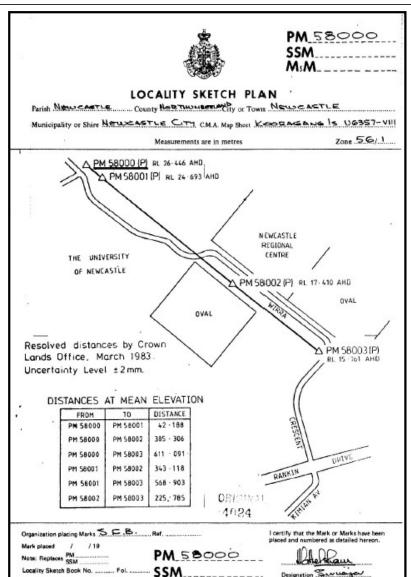


Plan Register noted / / 19

S.O. 2019 D. West, Government Printer



Sketch:



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Designation Swunge

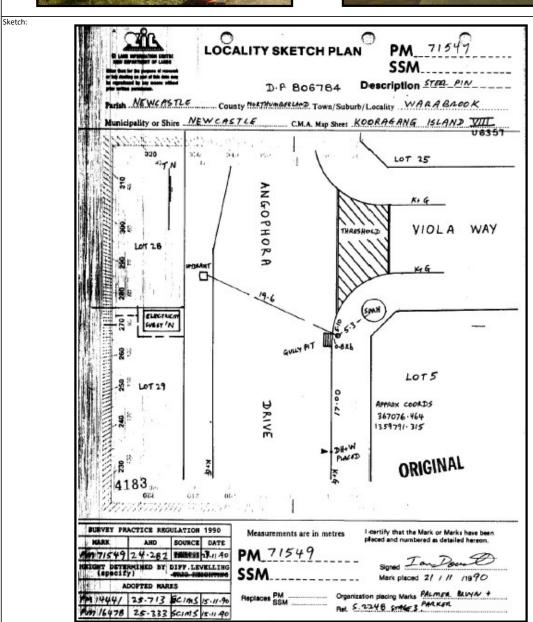
Date 26/ 9 / 1984



Photos:









TS4631

Photos:





Sketch:

Department of Lunds RECONNAISSANCE and MAINTENANCE I	REPORT 463/ STATION WARATAA	(P) TS 4631
This Trig. Station has been:- Note: Cross out word or words which do not apply		Ph: Newcossla
Completely cleared to permit 260° vision to surrounding Trigs. Gleared by lance basing	Mes Secti Kooragong Julan Inspected by: BRCicham Authority J. S. D.	No: 435 7 Date: 23.4.25 Field Book: PDP M
3. Trig. Most & Varies have been pointed white & black respectively. 4. The Trig. was unjeted retrespected, dimensions now being: Description of mark. September ## Allen	0.60	Not to Scale
S. ACTTSER. set in conclused has been shared/14 5.093 m, bearing 24.251 M from Trig. Meet. 6. A.B.T. set in conclused has been placed M 5.698 m, bearing 24.251 M from Trig. Meet. 7. A set in conclused has been placed 14 m, bearing M from Trig. Meet. 8. A set in conclused has been placed/14 m, bearing M from Trig. Meet. 9. Concection.2466 m, to 8.7 m, 22.55 m, bearing 34.3 M	piller	-3
10. Connection to mbearing M 11. Connection to mbearing M 12. Connection to mbearing M 13. Diff. Hi. Too of Mark 1998. 1, 1735 mbearing M 14. Diff. Hi. Too of Mark 1998. 1, 1735 mbear 1998. 2600 poller 15. Diff. Hi. Too of Mark 1998. 1, 1789 mbear 1998. 2600 poller 16. Diff. Hi. Too of Technical Mark 1978. 1, 1789. 1, 1	Date Record of Mor Moses of	0.55 re of Station rear PM 10.0.6.4

