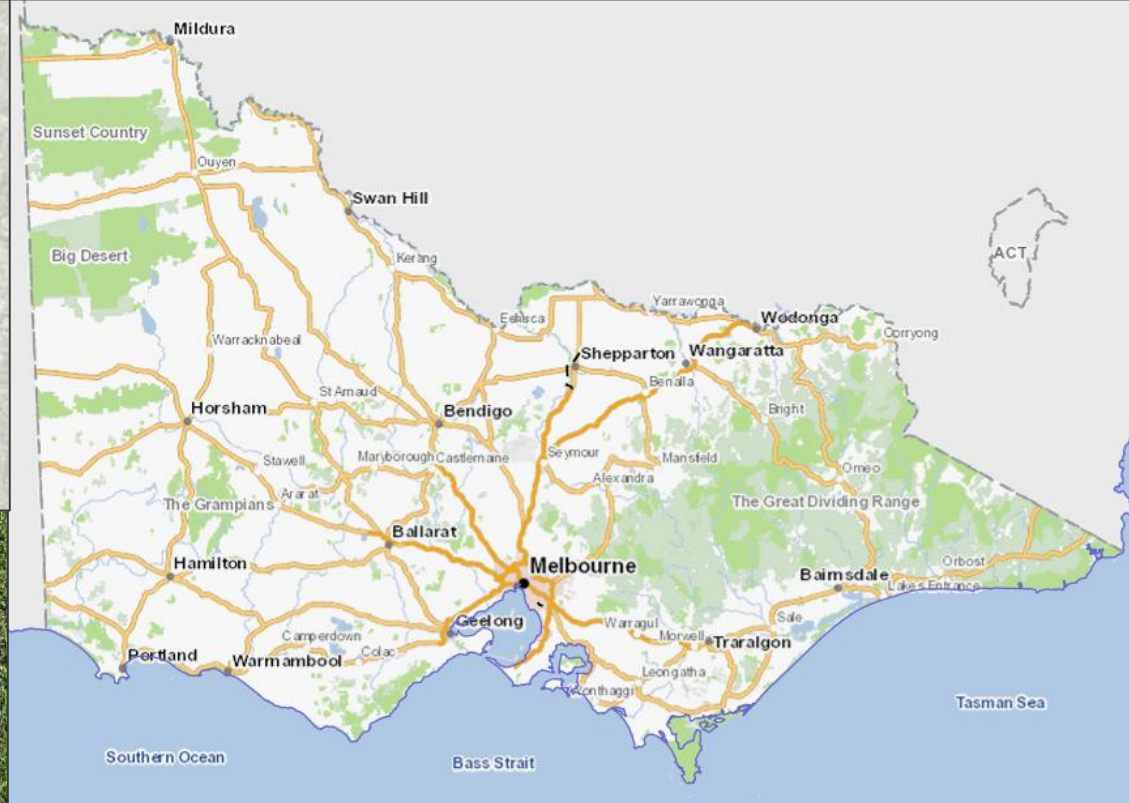
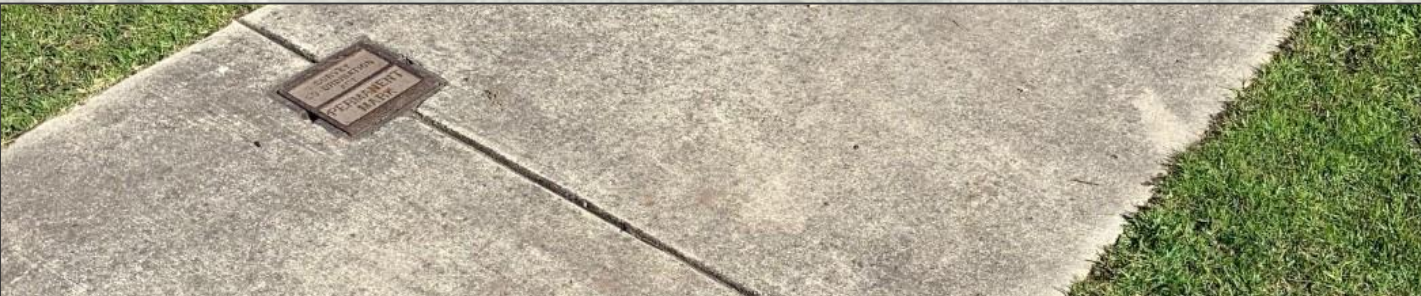


Survey Marks Enquiry Service (SMES)

Survey Marks Enquiry Service



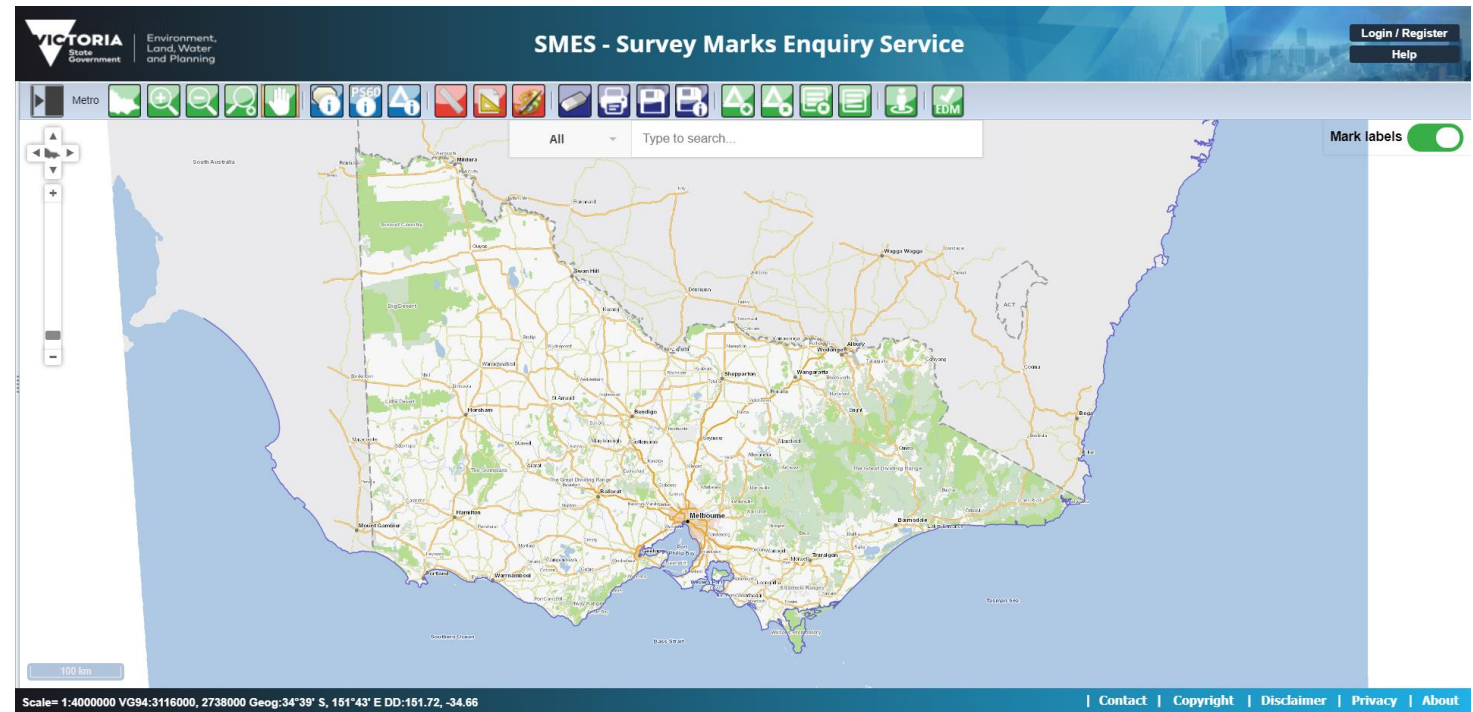
Webinar 1

Join us at
[slido.com](https://www.slido.com)
#SMES



Environment,
Land, Water
and Planning

- **What is SMES**
- **Brief History**
- **SMES in Action**
- **SMES under the Hood**



Please post any questions in Slido
(Link provided in event link &
MS Teams Chatbox)



<https://app.sli.do/event/hmkjenma>

Or

www.slido.com

Event Code: #SMES

The digital representation & information database
of physical survey marks



Available for free!



GDA2020



Geocentric Datum of Australia 2020

AHD

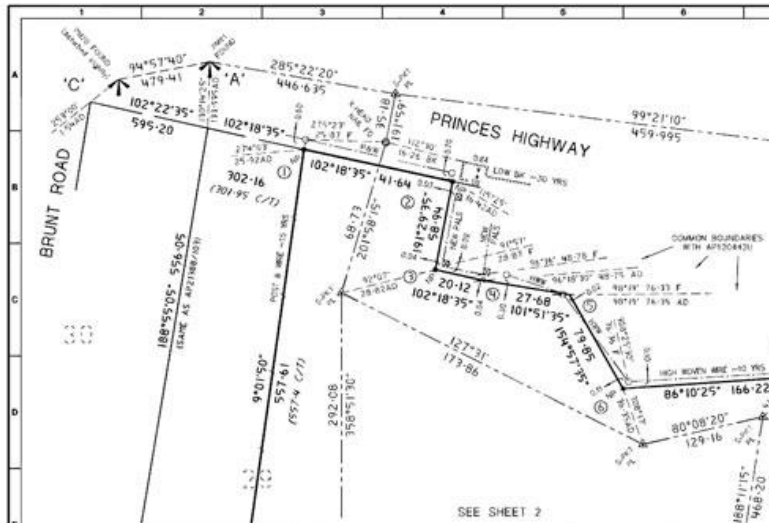


Australian Height Datum

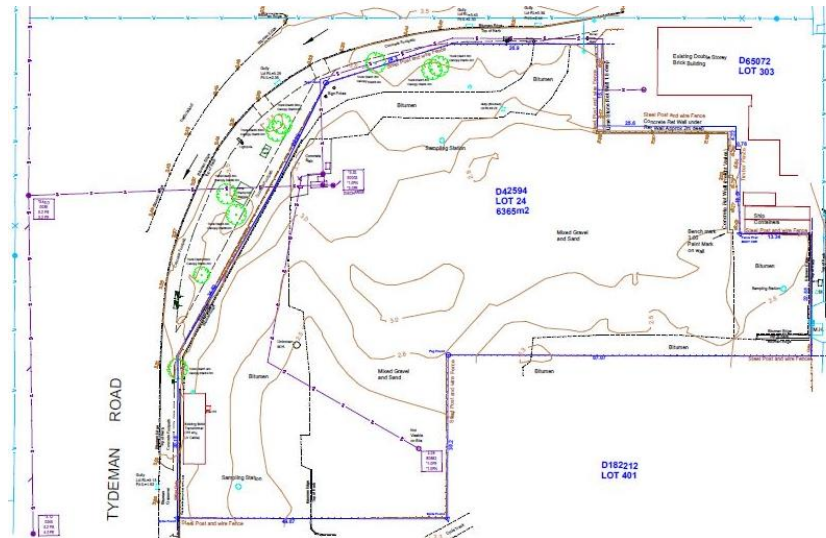
GDA94



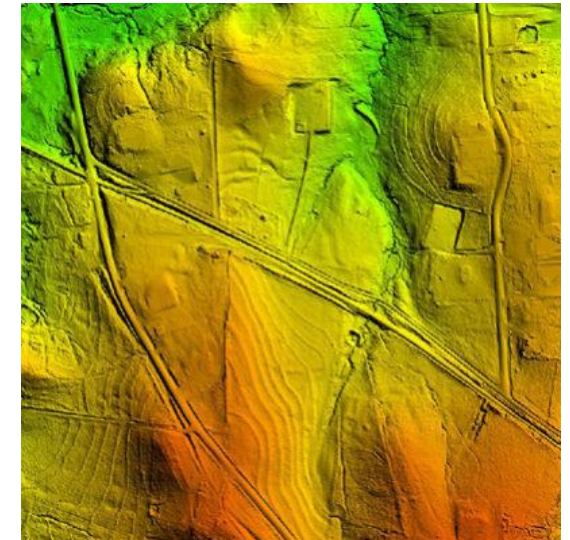
Geocentric Datum of Australia 1994



Cadastral

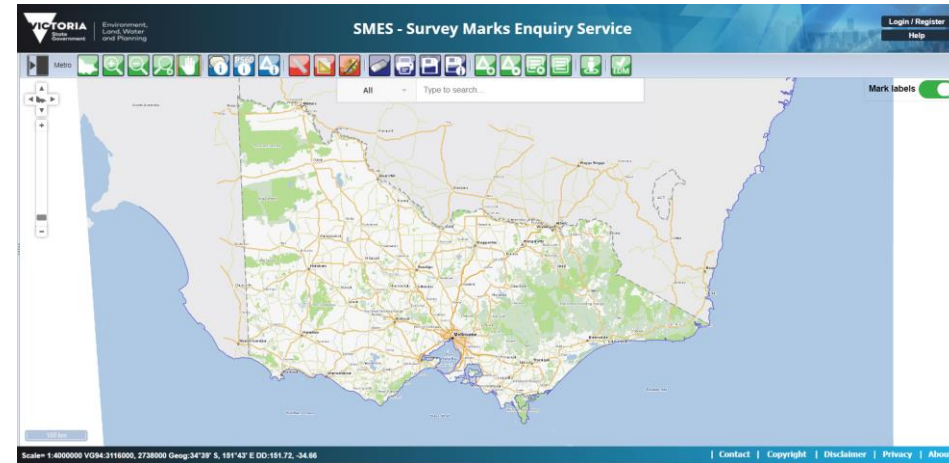


Engineering



Spatial

- **LASSI** - Land and Survey Spatial Information
- **SMES** - Survey Marks Enquiry Service
- **LASSI-SPEAR** - Surveying and Planning through Electronic Applications and Referrals
- **VICNAMES** - The Register of Geographic Names



1990's

- Standalone HP1000 Geodetic Computers
- *PMs distributed using manual coordinate printouts*

1996

- Networked based computers using Oracle Database
- *Microstation Based Application*

1998

- Original SMES Launch Melbourne Tennis Centre
- *Visual Basic Application*

2004

- SMES Made to available to wider internet
- *Java Application*

2012

- SMES Handed to Land Use Victoria (LUV)

2014

- **SMES4 Launched**
- *Integrated within LASSI (Current functionality)*

2018

- LUV + Victorian Land Registry Service (VLRS)
- *SMES on the Cloud*

Your questions



www.slido.com

Event Code: #SMES

Session 1 – Surveying Information

Surveyor-General

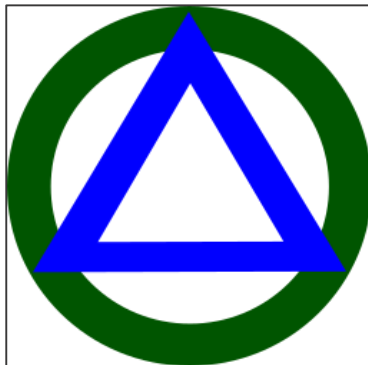
VICTORIA

AUSTRALIA



Environment,
Land, Water
and Planning

SMES - Survey Marks Enquiry Service



Session 2 – SMES Tools & Reports

Mark Type :

Benchmark

Eccentric Station

GNSS CORS Site

Geodetic Bench Mark

High Stability Mark

Melbourne Water

Other

Permanent Mark



Primary Cadastral Mark

Rural Water Commission

Scientific Mark

Supplementary Mark

Trig Station

 **Clear**  **Search**

Identify Survey Marks

- Click on a survey mark to identify it

1. Survey Mark

Name : ST. ARNAUD PM 165
1553-1H

Number : 346301650

MGA2020 : 701971, 5945751 (54)

MGA94 : 701970., 5945750. (54)

AHD Height : 249.37

Plan Ref :

Status : OK

 **Add Mark to List**

GDA2020 Sketches

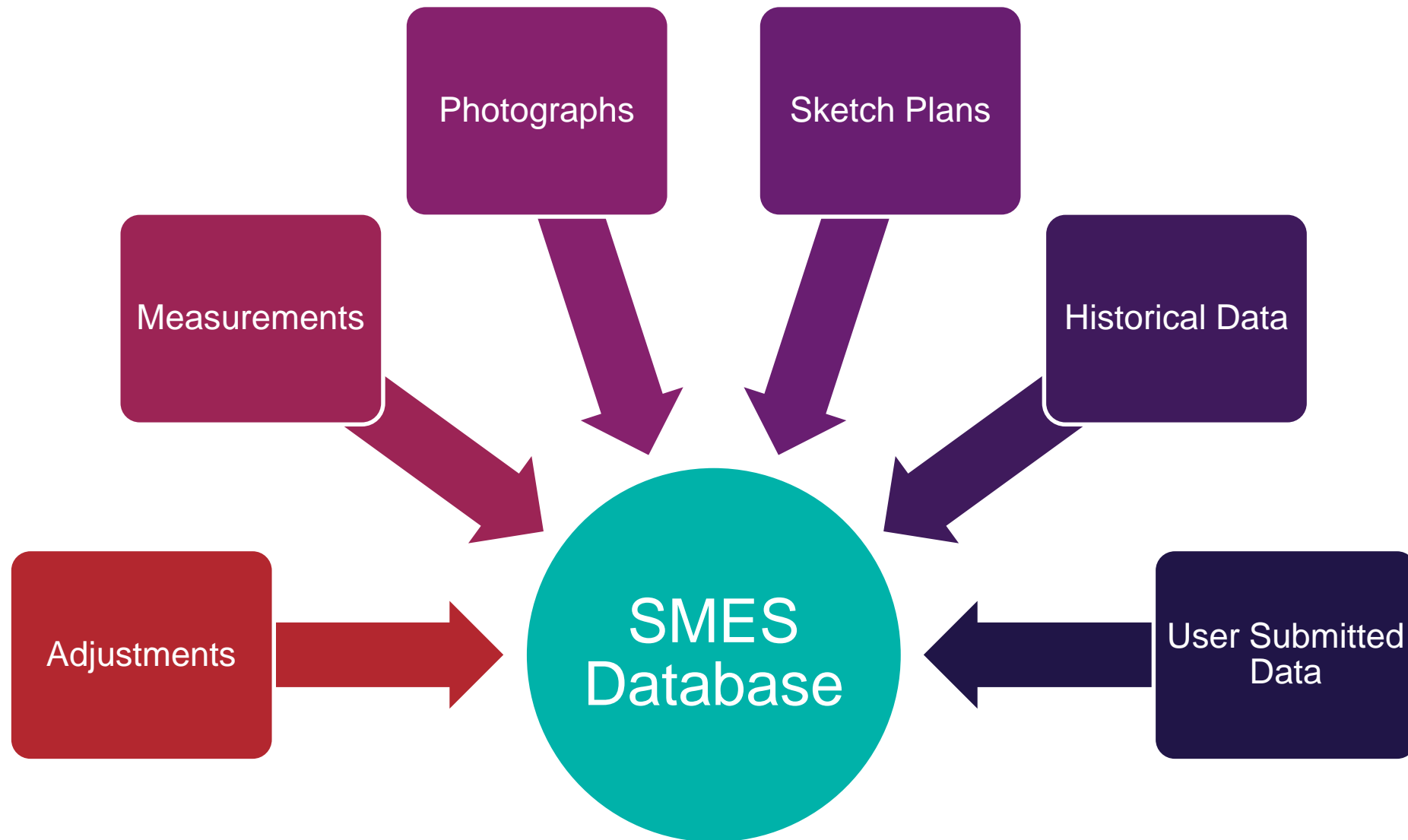
GDA94 Sketches

Your questions



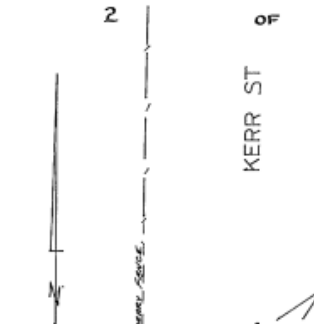
www.slido.com

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SEC. 6 (1) (c) SURVEY CC
PERMANENT MAR

Township _____ Parish _____
NOTE—
(1) Measurements to be shown from the Permanent Mark hydrants, trees, etc., as practicable. Up to six such measurements to be shown by broken lines.
(2) Except where verified by a Licensed Surveyor in a sketch, the symbols for fences, buildings, etc., to be shown by broken lines. The symbols for fences, buildings, etc., to be shown by broken lines.
(3) Description of Permanent Mark and, where possible, MEASUREMENTS ARE IN LINKS.



Established in connection with* Survey Co-Ordination Ref. No. SC 10
*Type of Survey of Works

IF LEVELLED—
Reduced level of Mark _____ to Datum _____
(e.g., Mean Sea Level, Board of Works, Sewerage Authority, etc., or Arbitrary.)

I certify that the Permanent Marks shown in this sketch have been established on the ground by me in accordance with the Regulations under the Survey Co-ordination Act 1958 and that the information shown hereon is correct.

Department of Authority City of Melbourne Signature [Signature]
Date 8.8.72

If a Licensed Surveyor the letters L.S. to be added

TO BE FILLED IN BY THE CENTRAL PLAN OFFICE				
Zone	Square	Subdivision	State District R.L.	Number
Ps 304150 K.			R.L. Copied from	309

Noted on Record Plan P.S.A. 830 No. 20.11.72

13 NOV 1973 T.O. City of Wangaratta S.E. & W.S.C. Div. Svyr. Man.

TAN	Plan Ref. YARRA 2-3	Point No. or Name WMB 393A
Municipality MELBOURNE	Area W	
Prob Error E. Co-ords N.	Comp. Ref.	Comp. Ident.

883 **SKETCH Measurements in Metres**

Survey Mark Photograph

MELBOURN

LATROBE

Information should be verified by:

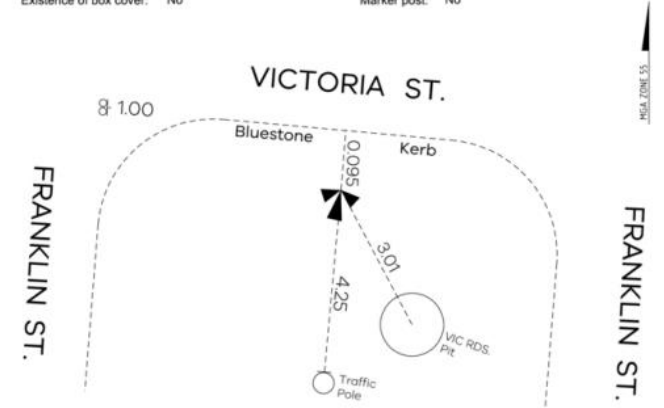


SURVEY CO-ORDINATION ACT 1958 SEC. 6 (1) (C)
ORIGINAL PERMANENT MARK SKETCH PLAN

Township **Melbourne** Parish **Melbourne North**

NOTES: (1) Connections to be shown to buildings, fences, poles, survey marks or nearby monuments.
(2) Unless verified by a Licensed Surveyor, all cadastral boundaries are to be shown by broken lines.
(3) Connection should be shown to nearest Crown allotment boundary or named street or road.
(4) Plan need not be to scale and lengths to be in METRES.

Description of Permanent Mark **Brass Plaque**
Existence of box cover: **No** Marker post: **No**



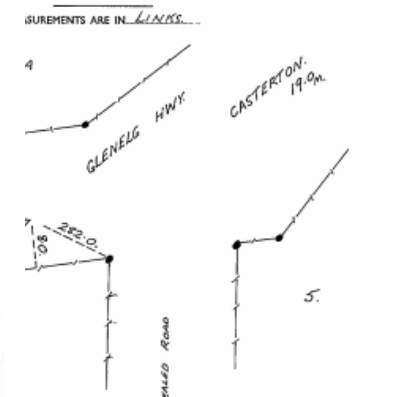
I certify that the Permanent Mark in this sketch has been FOUND on the ground by me in accordance with the Regulations under the Survey Co-ordination Act 1958, and that the information hereon is correct.

Company or Agency Ref No CY4006 Surname McKinley Signature [Signature]
Company or Agency **SURVEYOR GENERAL VICTORIA** Date 07/01/2019
Municipality **City of Melbourne** If a Licensed Surveyor the letters L.S. to be added

GRID REFERENCE CO-ORDINATES (May be scaled to nearest 100 metres)		Date Rec'd	Registered Surveys connected to this PM	REGISTERED NUMBER
DATUM	MG494			3059
EASTING	320797.3			
NORTHING	5813655.9			
AHD RL	28.9			
STREET DIRECTORY REFERENCE				
Map	43	Ref	H6	

SURVEY CO-ORDINATION ACT 1958
IT MARK SKETCH PLAN

Parish WERRIKOO
Not necessarily to Scale
be Permanent Mark to as many near-by survey marks, buildings, fence posts, etc. such measurements are desirable.
If Surveyor in this survey, all boundaries in this sketch plan are to be shown by broken lines, &c., to be shown on the broken lines.
d, where possible, Crown Allotments are to be shown.



ORDER LEVEL GEOMETRIC Ref. No. GBM 224
*Type of Survey of Works

to Datum _____
of Works, Sewerage Authority, etc., or Arbitrary.
in in this sketch have been established on the ground by me in accordance with the Survey Co-ordination Act 1958 and that the information shown hereon is correct.
Signature [Signature] Date 20.5.67

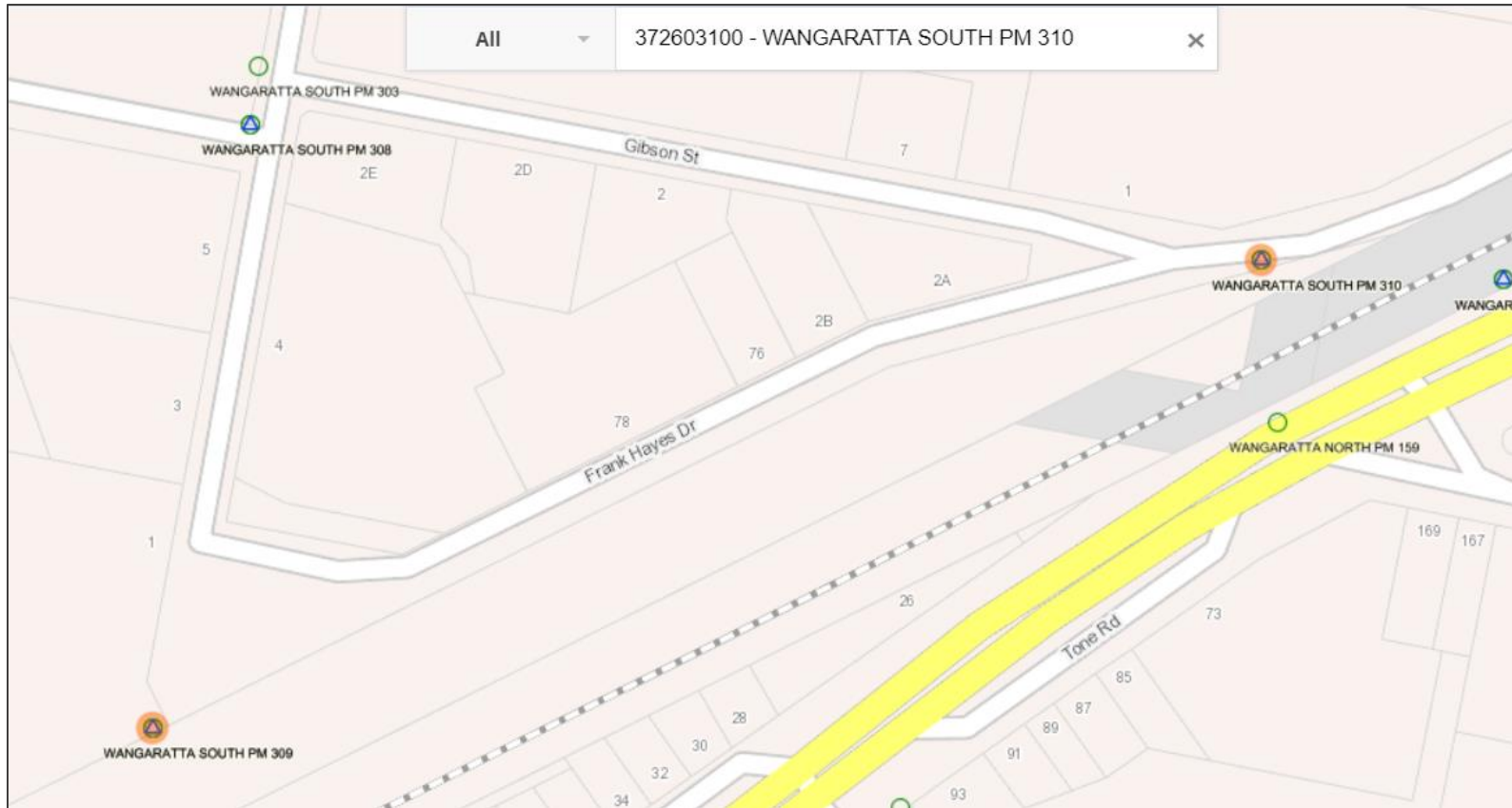
If a Licensed Surveyor the letters L.S. to be added

TO BE FILLED IN BY THE CENTRAL PLAN OFFICE				
Zone	Square	Subdivision	State District R.L.	Number
			R.L. Copied from	9/

Noted on Record Plan W333-3 RC 24/9/1967

13 NOV 1967

- **Coordinates change!**



Why use SMES



SMES in action

Mark Type :

- Benchmark
- Eccentric Station
- GNSS CORS Site
- Geodetic Bench Mark
- High Stability Mark
- Melbourne Water
- Other
- Permanent Mark
- Primary Cadastral Mark
- Rural Water Commission
- Scientific Mark
- Supplementary Mark
- Tng Station

Identify Survey Marks

- Click on a survey mark to identify it

1. Survey Mark

Name : ST_ARNAUD PM 165
1553-1H

Number : 346301650

MGA2020 : 701971, 5945751 (54)

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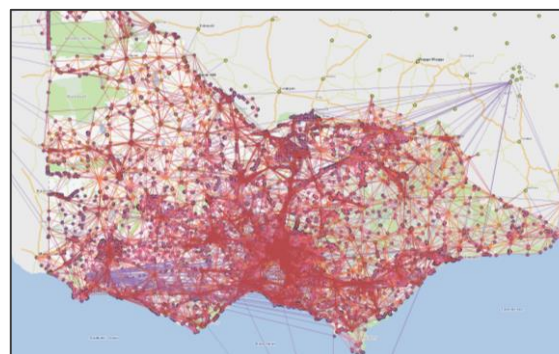
AHD Height : 249.37

Plan Ref :

Status : OK



SMES Data



Next Webinar Topics

Wednesday
10/6/2020
2-3 pm

- Registered Users
 - Lodgement of Marks Guidelines
 - Contributing to the SCN
- Marks Uncertainty and Order
- Apps and API
- Future Developments

Your questions



www.slido.com

Event Code: #SMES