Survey Report

Title: XXXXXX

Company Name: Surveyors Pty Ltd

Date: DD/MM/YYYY

State Growth Reference: XXXXXX



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*Report writing instructions*:

1. *Fill out document information as highlighted in grey and remove highlighting.*
2. *Add details to report; some guidance notes are provided using hidden text.*
   1. *Some examples are provided with areas highighted in grey.   
      Examples are to be deleted and highlighting removed.*
3. *Boxes in Attachment section should be clicked to indicate the attachments provided.*
4. *Hidden text can be deleted from the document and the Table of Contents refreshed prior to publishing.*

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PROJECT INFORMATION

*\*\*\*\*\* start of hidden text. \*\*\*\*\*  
Please attach a signed copy of the project T4 – Supplement A - Survey Request Form to this report.  
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## Equipment and Survey Team

*\*\*\*\*\* start of hidden text. \*\*\*\*\*  
List equipment used, survey team and project roles   
\*\*\*\*\* end of hidden text \*\*\*\*\**

# Survey Datum and Control

*\*\*\*\*\* start of hidden text. \*\*\*\*\*  
In conjunction with the PSC table below in section 4.4, this section is to include details of survey datum and PSC used, adjacent to, and relevant to the survey as per requirements of T4 Engineering Survey for Planning and Design  
\*\*\*\*\* end of hidden text \*\*\*\*\**

## Project Datum

*\*\*\*\*\* start of hidden text. \*\*\*\*\*  
Include description of horizontal and vertical datums and source of origin (Horizontal & Vertical)   
\*\*\*\*\* end of hidden text \*\*\*\*\**

## Combined Scale factor

*\*\*\*\*\* start of hidden text. \*\*\*\*\*  
Information for project grid/plane conversions  
\*\*\*\*\* end of hidden text \*\*\*\*\**

## Methodology

*\*\*\*\*\* start of hidden text. \*\*\*\*\**

*Detailed description of methodology and workflow including but not limited to the following:*

* *Control establishment*
* *Control coordination*
* *Control processing and adjustment*
* *QA and review procedure*
* *Compliance with requested Quality Levels*

*\*\*\*\*\* end of hidden text \*\*\*\*\**

## Control Network Diagram

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replace diagram   
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# Engineering Survey

*\*\*\*\*\* start of hidden text. \*\*\*\*\**

*Detailed description of methodology and workflow including but not limited to the following*

* *Data capture*
* *Data processing and adjustment*
* *QA and review procedure*
* *Compliance with requested Quality Levels*

*\*\*\*\*\* end of hidden text \*\*\*\*\**

# Subsurface Utility Survey

*\*\*\*\*\* start of hidden text. \*\*\*\*\**

*Detailed description of methodology and workflow including but not limited to the following*

* *Data capture*
* *Data processing and adjustment*
* *QA and review procedure*
* *Compliance with requested Quality Levels*

*\*\*\*\*\* end of hidden text \*\*\*\*\**

# Property Boundaries

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*Detailed description of methodology and workflow including but not limited to the following*

* *Boundary information used*
* *Boundary compilation and adjustment*
* *QA and review procedure*
* *Estimated accuracy of the property boundary model*
* *Compliance with requested Quality Levels*

*\*\*\*\*\* end of hidden text \*\*\*\*\**

# Geo-referenced Aerial Imagery

*\*\*\*\*\* start of hidden text. \*\*\*\*\**

*Where requested - description of methodology and workflow including but not limited to the following*

* *Method of Capture/Source*
* *Data Flown/Captured*
* *Scale/GSD/RMSE provided and evidence of compliance with request form*

*\*\*\*\*\* end of hidden text \*\*\*\*\**

# Photography

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*Where requested - description of methodology and workflow including but not limited to the following*

* *Data capture*
* *Data processing and adjustment*
* *QA and review procedure*

*\*\*\*\*\* end of hidden text \*\*\*\*\**

# Primary Survey Control Summary Table

*\*\*\*\*\* start of hidden text. \*\*\*\*\**

*Remove example highlighted text rows*

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Datum GDA2020/MGA Coordinates, AHD83

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PSC ID | Easting (m) | Northing (m) | Survey Uncertainty (Horizontal m) | Source | Height (m) | Survey Uncertainty (Vertical m) | Source | Constrained  (H/V) | Combined Scale Factor | Description |
| GED1 | 607858.308 | 5362297.055 | 0.010 | Surveyors | 31.593 | 0.010 | Surveyors |  | 0.999556 | 1350mm star picket |
| GED02 | 607533.427 | 5361924.719 | 0.010 | Surveyors | 48.579 | 0.010 | Surveyors |  | 0.999556 | 1350mm star picket |
| SPM10594 | 607954.558 | 5362479.967 | 0.010 | SURCOM | 25.837 | 0.010 | SURCOM | HV | 0.999556 | Bronze SPM disc in kerb |
| SPM10595 | 608410.910 | 5362557.653 | 0.010 | SURCOM | 7.956 | 0.010 | SURCOM | H | 0.999556 | Bronze SPM disc in rock |
|  |  |  |  |  |  |  |  |  |  |  |
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## Minor Survey Control Summary table

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*If placed – provide details of Minor Survey Control*

*Remove example highlighted text rows*

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Datum GDA2020/MGA Coordinates, AHD83

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| MSC ID | Easting (m) | Northing (m) | Survey Uncertainty (Horizontal m) | Height (m) | Survey Uncertainty (Vertical m) | Combined Scale Factor | Description |
| MSC1 | 607858.308 | 5362297.055 | 0.010 | 31.593 | 0.010 | 0.999556 | 1350mm star picket |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

# Pavement Surface model verification – quality assurance

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QQ Strings Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Survey Quality Level | Total Points | Average  Difference (mm) | Compliant  Tolerance Range m  (+/-) | Percentage of Points in Tolerance | Compliant  Percentage level Difference |
| QL-B | 100 | 5mm | 10mm | 98% | 95% |
|  |  |  |  |  |  |

# deliverables supplied

*\*\*\*\*\* start of hidden text. \*\*\*\*\**

*Remove example highlighted text rows*

*Provide a list of deliverables/files supplied as part of this project*

*\*\*\*\*\* end of hidden text \*\*\*\*\**

|  |  |  |
| --- | --- | --- |
| Type | Name | Format |
| Engineering Feature Model | 3100B-4-8\_ XXXXXX\_ YYYYYYYY.ext | DWG |
|  |  |  |
|  |  |  |

# non-standard codes Used and Provided

|  |  |
| --- | --- |
| Code | Description |
|  |  |
|  |  |
|  |  |

# project issues

*\*\*\*\*\* start of hidden text. \*\*\*\*\**

*Remove example highlighted text*

*Comment on any relevant project issues – for example:*

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Denied property access?

|  |  |
| --- | --- |
| Culvert condition – inaccessible invert?  Culvert at  E55555  N1236547  Inaccessible invert  Heavily silted. Invert interpreted from obvert and diameter width measured across culvert |  |

# ATTACHMENTS

Attachment A: Survey Request Form (Signed)

Attachment B: Primary Survey Control Summary

Attachment C: Metadata Statement

Attachment D: Subsurface Utilities Metadata Statement