

## Preservation of Survey Infrastructure (POSI) Application Support Guide

*Surveyor-General's Direction No.11 Preservation of Survey Infrastructure (SGD11)* outlines the process and requirements that need to be met for the authorised removal of survey marks under the Section 24(1) of the *Surveying and Spatial Information Act 2002* ('the Act') and Clause 90 of the *Surveying and Spatial Information Regulation 2017* (the Regulation).

SGD11 differentiates applications for survey mark removal into either Small-Scale, Large-Scale, or Mining projects and has different requirements and deliverables that need to be satisfied to obtain approval.

- A **Small-Scale project** is considered to be either a single road intersection or a frontage not exceeding four lots and applicants should allow 14 days minimum notice for determination.
- **Large-Scale projects** are considered to be anything not defined as Small-Scale and applicants should allow 30 days minimum notice for determination.
- **Mining projects** are categorised into open cut or underground mining and require different approaches.

The *Preservation of Survey Infrastructure (POSI) Application Support Guide* has been developed as addendum to SGD11, to assist applicants in understanding these requirements and to facilitate the POSI process. Additional resources and reference material are also available in the *POSI Resource Pack* and should be referred to.

All applications or enquiries for Surveyor-General's Approval - Survey Mark(s) Removal and supporting documents are to be submitted via [DCS Spatial Services Customer Hub](#) unless otherwise instructed by the Surveyor-General.

The following requirements and deliverables must be met and submitted with the application for any **Small-Scale POSI Project**.

Small-Scale POSI Project		
Components	Reference Material	Notes
Extent of Works	SGD11 <i>POSI Resource Pack:</i> <ul style="list-style-type: none"> <li>• Survey Project Plan Drawing Example</li> </ul>	The extent of work must be clearly communicated. A sketch and/or existing plan(s) with notes showing extent of work, affected survey marks and proposed control network are encouraged to assist in the application process.
Survey Mark Audit Schedule	SGD11 <i>POSI Resource Pack:</i> <ul style="list-style-type: none"> <li>• Survey Mark Audit Schedule Template</li> <li>• Survey Mark Audit Schedule Small-Scale Example</li> </ul>	The Survey Mark Audit Schedule Template is to be used for any Small-Scale application and is to show all survey infrastructure within the extent of works along with their current and future status. Only the section relevant to small scale project needs to be completed.

The following requirements and deliverables must be met and submitted with the application for any **Large-Scale POSI project**.

<b>Large-Scale POSI Project</b>		
<b>Components</b>	<b>Template / Reference Material</b>	<b>Notes</b>
Survey Mark Audit Schedule	<p><i>POSI Resource Pack:</i></p> <ul style="list-style-type: none"> <li>• Survey Mark Audit Schedule Template</li> <li>• Survey Mark Audit Schedule Large-Scale Example</li> </ul>	The Survey Mark Audit Schedule Template is to be used for any Large-Scale application and is to show all survey infrastructure within the project area along with their current and future status. Proposed replacement marks and their positional information must also be included as well as comments regarding marks that are not to be replaced. The Survey Mark Audit Schedule is to be coincident with the Survey Project Plan Drawing/s.
Survey Project Plan Drawing	<p><i>POSI Resource Pack:</i></p> <ul style="list-style-type: none"> <li>• Survey Project Plan Drawing Example</li> </ul>	The Survey Project Plan Drawing is to show extent of works, all existing survey marks, proposed location and accuracy of any replacement marks, and other relevant information. The Survey Project Plan Drawing is to be coincident with the Survey Mark Audit Schedule.
POSI Strategy Report	<p><i>POSI Resource Pack:</i></p> <ul style="list-style-type: none"> <li>• POSI Strategy Report Template</li> </ul>	The POSI Strategy Report is to outline both the preservation and replacement strategy and how this will be achieved. The POSI Strategy Report Template is to be used by applicants as part of their submission.
Proposed Horizontal and/or Vertical Control Network	<p><i>POSI Resource Pack:</i></p> <ul style="list-style-type: none"> <li>• POSI Strategies and Network Design Examples</li> </ul>	A proposed horizontal and/or vertical control network diagram/s to cover any survey control work that might need to occur are to be included as part of the submission.

The following requirements and deliverables must be met and submitted with the application for any **Mining POSI project**, depending on the type of work proposed:

Mining POSI Project		
Components	Reference Material	Notes
Survey Mark Audit Schedule	<p><i>POSI Resource Pack:</i></p> <ul style="list-style-type: none"> <li>• Survey Mark Audit Schedule Template</li> <li>• Survey Mark Audit Schedule Large-Scale Example</li> </ul>	<p>The Survey Mark Audit Schedule Template is to be used for any Mining Project application and is to show all survey infrastructure within the project area along with their current and future status. Proposed replacement marks and their positional information should also be included as well as comments regarding marks that are not to be replaced. The Survey Mark Audit Schedule is to be coincident with the Survey Project Plan Drawing/s.</p>
Mining Lease Plan		<p>The Mining Lease plan must show the current integrity of the State cadastre within and surrounding the project area.</p>
Survey Project Plan Drawing	<p><i>POSI Resource Pack:</i></p> <ul style="list-style-type: none"> <li>• Survey Project Plan Drawing Example</li> </ul>	<p>The Survey Project Plan Drawing is to show, where applicable:</p> <ul style="list-style-type: none"> <li>• extent of works including extraction area</li> <li>• proposed mining infrastructure to be built (e.g. haul roads, stockpiles, ore dumps etc.)</li> <li>• location of final high walls with predicted limits of effective subsidence and limits of subsidence if high walls were to fail</li> <li>• predicted magnitude and limits of horizontal and vertical subsidence from proposed mining project</li> <li>• all existing survey infrastructure</li> <li>• proposed location and accuracy of any replacement marks, and other relevant information</li> </ul> <p>Depending on the size and scope of the mine project, applicants can show the above information on multiple plans, as long as the relationship between proposed mine workings and existing survey infrastructure is shown. The Survey Project Plan Drawing is to be coincident with the Survey Mark Audit Schedule.</p>

**Mining POSI Project - continued**

Components	Reference Material	Notes
POSI Strategy Report	<p><i>POSI Resource Pack:</i></p> <ul style="list-style-type: none"> <li>• POSI Strategy Report Template</li> </ul>	<p>The POSI Strategy report is to include details on the following, where applicable:</p> <ul style="list-style-type: none"> <li>• Type of mining to occur (underground or open cut etc.) along with likely impact on existing survey infrastructure</li> <li>• Planned commencement and completion dates of mine workings, along with predictions on subsidence impacts and when these are to cease</li> <li>• Strategy and methodology for mark protection and proposed reinstatement of survey infrastructure at the completion of the project (e.g. horizontal / vertical control survey, cadastral strategy etc.)</li> <li>• Proposed monitoring survey including survey methodology, network design, frequency of monitoring and data submission.</li> </ul>
Proposed Monitoring Survey	<p><i>POSI Resource Pack:</i></p> <ul style="list-style-type: none"> <li>• POSI Strategy Report Template</li> <li>• POSI Strategies and Network Design Examples</li> </ul>	<p>The proposed monitoring survey drawing is to include proposed monitoring survey marks, limits of mine workings and predicted subsidence limits. Details of the monitoring survey are to be included in the POSI Strategy report.</p>
Proposed Horizontal and/or Vertical Control Network/s	<p><i>POSI Resource Pack:</i></p> <ul style="list-style-type: none"> <li>• POSI Strategies and Network Design Examples</li> </ul>	<p>A proposed horizontal and/or vertical control network diagram/s to cover any survey control replacement works that might need to occur are to be included as part of the POSI Strategy. Details of the control networks are to be included in the POSI Strategy Report.</p> <p>Regarding underground mining project, the final surveys of all Permanent Survey Marks are to be conducted when the Surveyor-General and the applicant have agreed the practical subsidence has ceased.</p>