

Preservation of Survey Infrastructure (POSI) Application Support Guide

The Surveyor-General of NSW provides a system for authorising the removal of survey marks under the [Surveyor-General's Directions No.11 Preservation of Survey Infrastructure](#) (SGD11). SGD11 differentiates projects into either Small-Scale, Large-Scale, or Mining depending on the scope, extent and type of works to be completed. A Small-Scale project is considered to be either a single road intersection or a frontage not exceeding four lots and users should allow 14 days minimum notice. Large-Scale projects are considered to be anything not defined as Small-Scale and users should allow 30 days minimum notice. Mining projects are categorised into open cut or underground mining and require different approaches. The applicant must understand the requirements, procedures and deliverables surrounding a POSI project and the obligations that must be met for submitting a survey mark removal application under the Office of the Surveyor-General (OSG).

The following document has been developed to assist applicants in determining the requirements that must be met for a POSI project. It also provides links and reference material for further information needed. SGD11 must be adhered to along with the *POSI Resource Pack* which provides a variety of reference material to industry including templates, examples and diagrams. The *POSI Resource Pack* is continuously reviewed and updated to reflect OSG efforts and industry feedback. This should be checked regularly to ensure the most up-to-date material and version is being used.

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

Small-Scale POSI Project			
Requirements	Components	Reference Material	Notes
Application	Extent of Works	SGD11 <i>POSI Resource Pack:</i> <ul style="list-style-type: none"> Survey Project Plan Drawing Example Survey Mark Audit Schedule Example 	Applications can be made online through the Application for Surveyor General Approval - Survey Mark(s) Removal portal. Extent of works must be clearly communicated in the application and provide evidence a comprehensive Cadastral and SCIMS search has been undertaken to determine all survey infrastructure that is potentially impacted by the proposed project.
	Cadastral + SCIMS Search	SGD11 <i>POSI Resource Pack:</i> <ul style="list-style-type: none"> Survey Project Plan Drawing Example Survey Mark Audit Schedule Example 	

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

Large-Scale POSI Project			
Requirements	Components	Template / Reference Material	Notes
Survey Mark Audit Schedule	Survey Mark Audit Schedule	<p><i>POSI Resource Pack:</i></p> <ul style="list-style-type: none"> • Survey Mark Audit Schedule Template • Survey Mark Audit Schedule Example 	The Survey Mark Audit Schedule Template is to be used for any Large-Scale applications 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.
Survey Project Plan	Survey Project Plan Drawing	<p><i>POSI Resource Pack:</i></p> <ul style="list-style-type: none"> • Survey Project Plan Drawing Example 	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"> • POSI Strategy Report Template • POSI Strategies and Network Design Examples 	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"> • POSI Strategy Report Template • POSI Strategies and Network Design Examples 	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 POSI Strategy.

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

Mining POSI Project			
Requirements	Components	Reference Material	Notes
Survey Mark Audit Schedule	Survey Mark Audit Schedule	<p><i>POSI Resource Pack:</i></p> <ul style="list-style-type: none"> Survey Mark Audit Schedule Template Survey Mark Audit Schedule Example 	<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	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	Survey Project Plan Drawing	<p><i>POSI Resource Pack:</i></p> <ul style="list-style-type: none"> Survey Project Plan Drawing Example 	<p>The Survey Project Plan Drawing is to show, where applicable:</p> <ul style="list-style-type: none"> extent of works including extraction area proposed mining infrastructure to be built (e.g. haul roads, stockpiles, ore dumps etc.) location of final high walls with predicted limits of effective subsidence and limits of subsidence if high walls were to fail predicted magnitude and limits of horizontal and vertical subsidence from proposed mining project all existing survey infrastructure proposed location and accuracy of any replacement marks, and other relevant information <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>

Requirements	Components	Reference Material	Notes
Survey Project Plan (continued)	POSI Strategy Report	<p><i>POSI Resource Pack:</i></p> <ul style="list-style-type: none"> • POSI Strategy Report Template • POSI Strategies and Network Design Examples 	<p>The POSI Strategy report is to include details on the following, where applicable:</p> <ul style="list-style-type: none"> • Type of mining to occur (underground or open cut etc.) along with likely impact on existing survey infrastructure • Planned commencement and completion dates of mine workings, along with predictions on subsidence impacts and when these are to cease. • 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.) • Proposed monitoring survey including survey methodology, network design, frequency of monitoring and data submission.
	Proposed Monitoring Survey	<p><i>POSI Resource Pack:</i></p> <ul style="list-style-type: none"> • POSI Strategy Report Template • POSI Strategies and Network Design Examples 	<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"> • POSI Strategy Report Template • POSI Strategies and Network Design Examples 	<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>

All POSI related data submissions are to be sent to Surveyor-General-Approvals@customerservice.nsw.gov.au under the relevant approval number (e.g. R 19/001) unless otherwise instructed by DCS Spatial Services. Where file attachments are too large, a link to a file hosting service that contains the relevant files can be sent instead.