

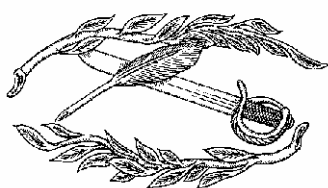


New South Wales Government

Surveyor General's Directions

No. 1

Approved Permanent Mark





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Surveyor General's Directions



General

The form and style of Permanent Survey Marks are prescribed by Clause 43 and Schedule 4 of the Surveying Regulation. The Surveyor General may approve any mark of durable character for specific terrain as a Boundary Mark or Reference Mark.

Generally speaking, a permanent mark is a mark of a permanent nature that is uniquely identified by a combination of letters and numbers. These identifiers are used to store attributes of the mark, such as co-ordinates, height, characteristics and location details, on Departmental records.

Permanent Marks provide the basic framework for all types of surveys to be brought onto a common network, the State Control Survey.

The introduction of Global Positioning System (GPS) technology and large computerised Geographical Information System/Land Information System (GIS/LIS) databases increases the need for all survey and related land information to be on a common co-ordinate system. Use of the Permanent Marks of the State Control Survey will provide the means for all surveys to be related to this common co-ordinate system.

The following diagrams show the mark types approved by the Surveyor General and gazetted as permanent marks.

Wherever permanent marks are placed, a survey plaque should be located nearby to assist recovery of the mark. (See Direction No 2 - Preparation of Locality Sketch Plans)

For further information or advice, contact:-

The Manager
Survey Services
Land & Property Information NSW
2nd Floor,
Queens Square Building
SYDNEY NSW 2000

Or

GPO Box 15
SYDNEY NSW 2001

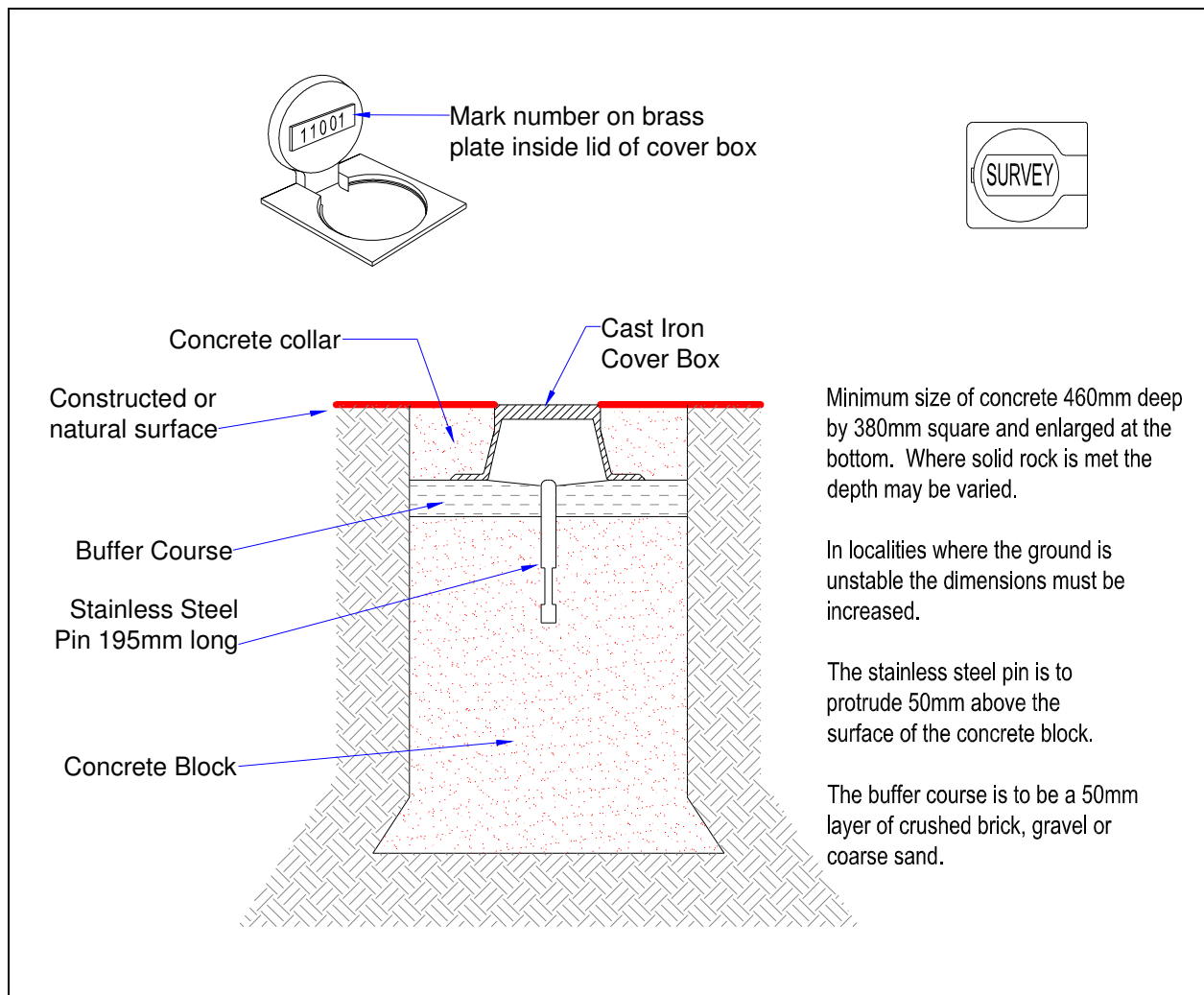
Telephone: 02 8258 7500
Facsimile: 02 8258 7555



Diagram 1 - Permanent Mark - Type 4

PERMANENT MARK TYPE 4 (Urban Type)

As prescribed by the Surveying Regulation



(Permanent Mark Type 5 is no longer prescribed)



Diagram 2 - Permanent Mark - Type 1 (SSM - Large)

PERMANENT MARK TYPE 1 (State Survey Mark) Large

As prescribed by the Surveying Regulation

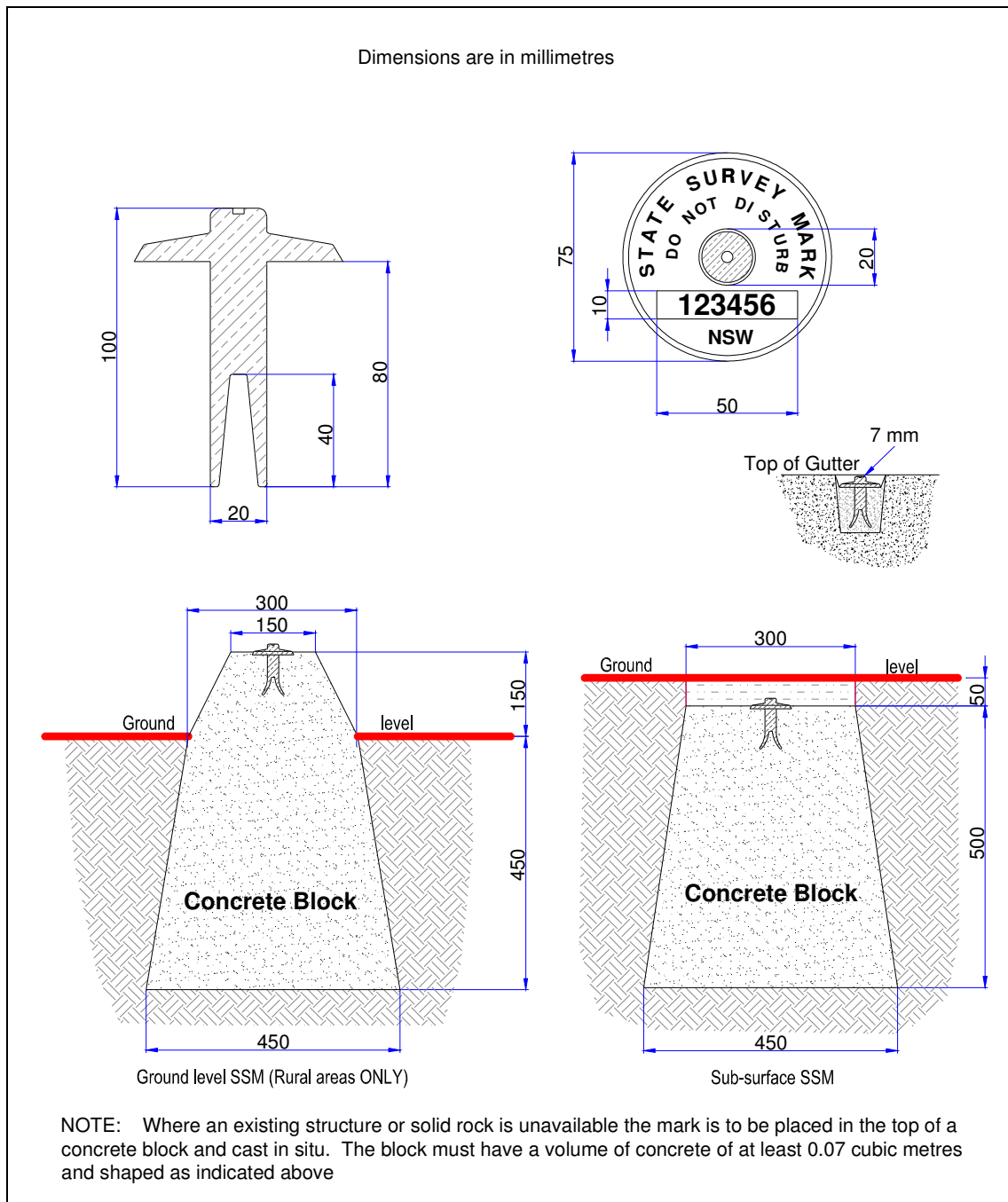
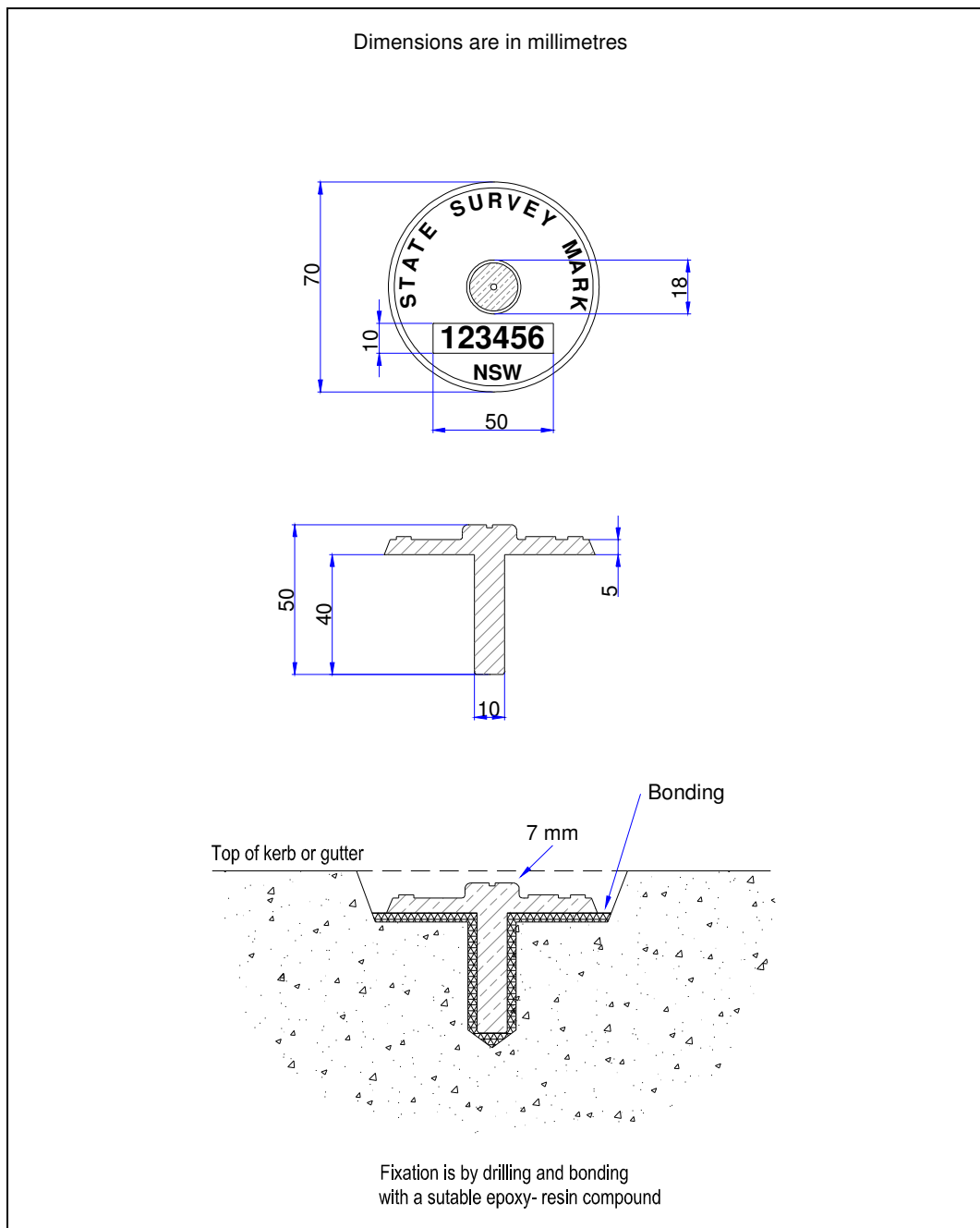




Diagram 3 - Permanent Mark - Type 2 (SSM - Small)

PERMANENT MARK TYPE 2 (State Survey Mark) Small

As prescribed by the Surveying Regulation



(Permanent Mark Type 3 is no longer prescribed)



Diagram 4 - Permanent Mark - Type 6 (Non-Urban)

PERMANENT MARK TYPE 6
(Non Urban Type)
Galvanised Star Picket

As prescribed by the Surveying Regulation

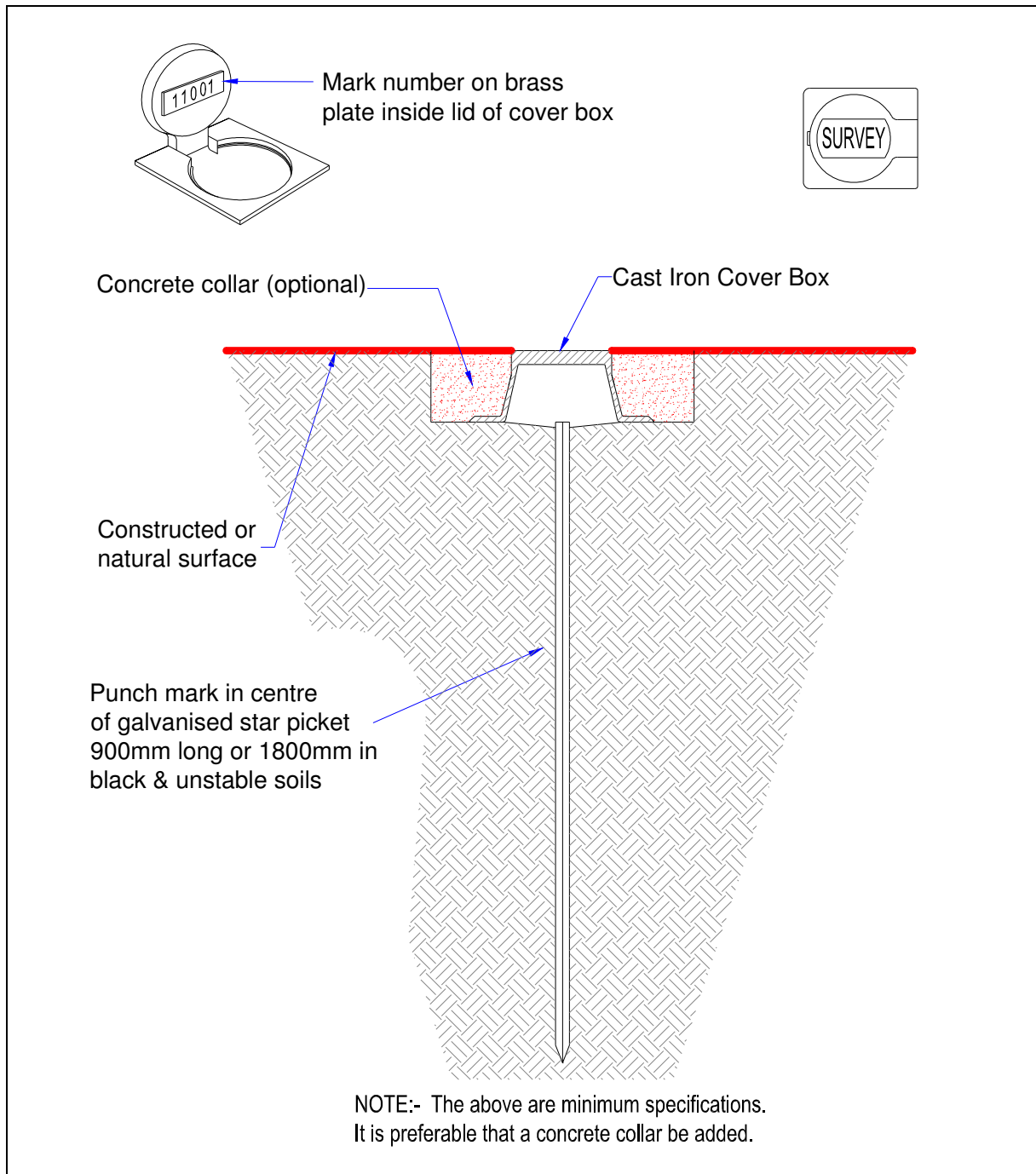




Diagram 5 - Permanent Mark - Type 7 (Feno Spike)

PERMANENT MARK TYPE 7 (Feno Spike with Cover Box) Suitable for firm soil types

As prescribed by the Surveying Regulation

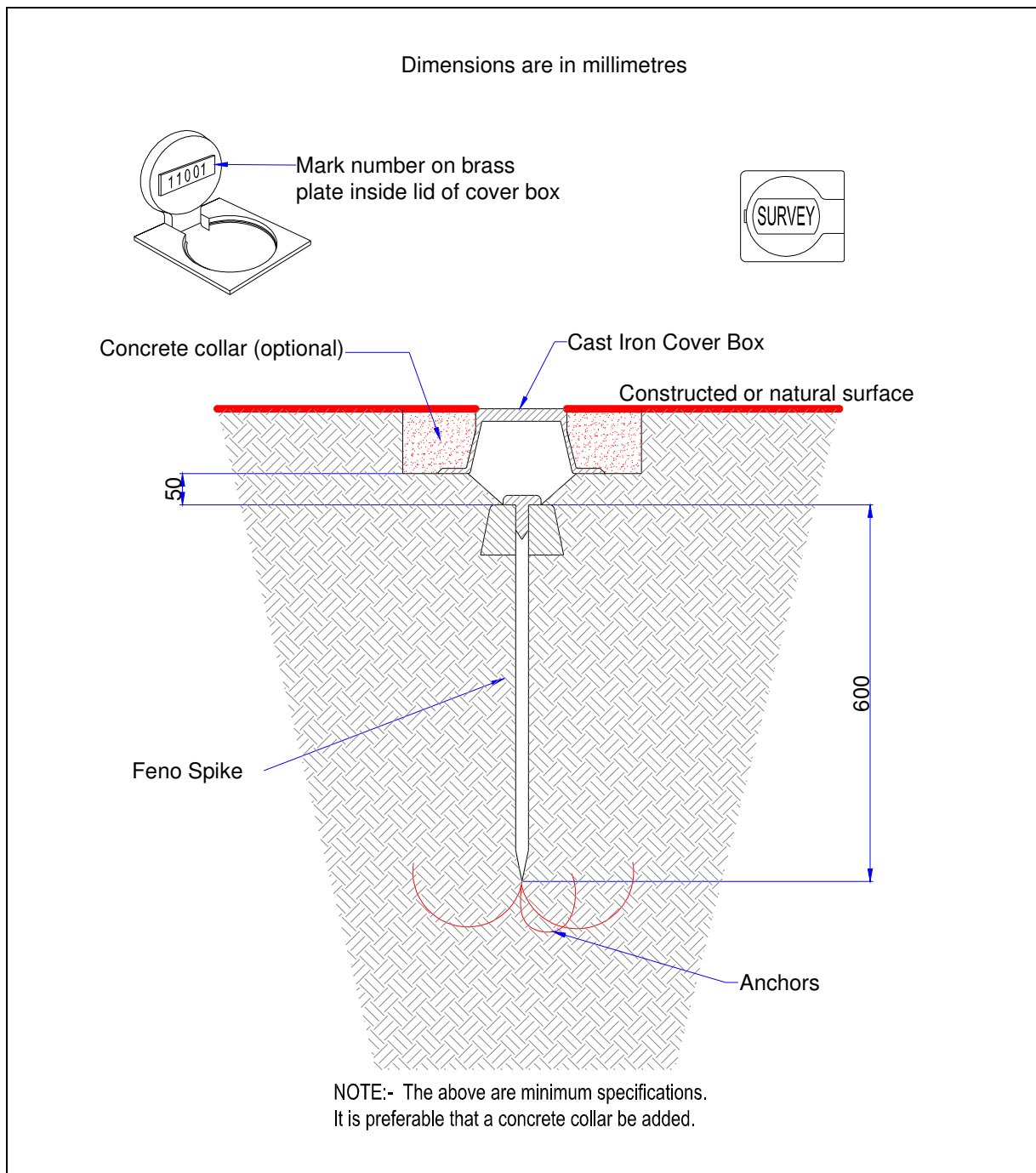




Diagram 6 - Permanent Mark - Type 8 (D.W.R. "C-Type" Mark)

PERMANENT MARK TYPE 8 (DWR "C-TYPE" Mark)

As prescribed by the Surveying Regulation

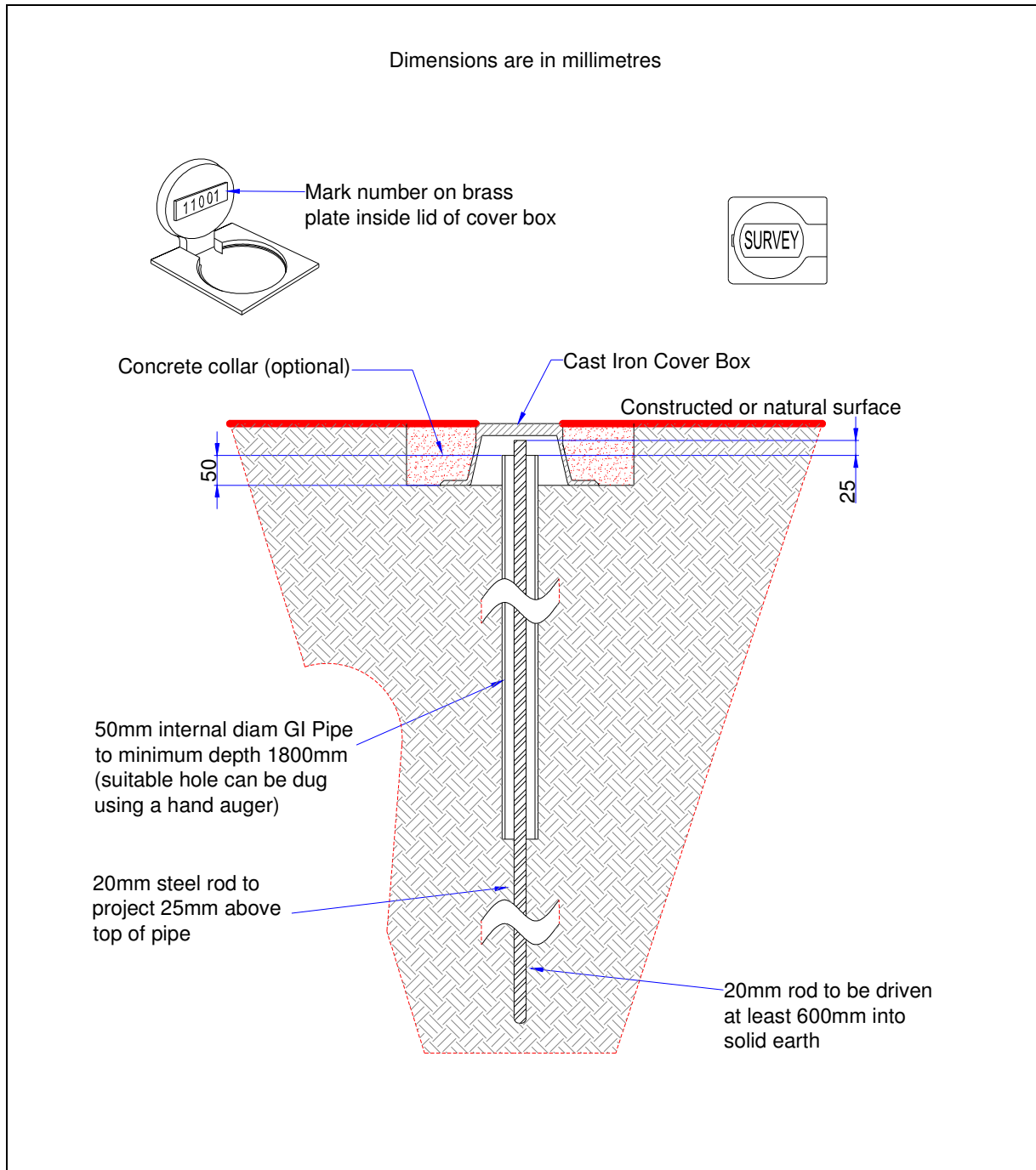




Diagram 7 - Permanent Mark - Type 9 (Concrete Survey Pillar)

PERMANENT MARK TYPE 9 (Trigonometrical Station)

As prescribed by the Surveying Regulation

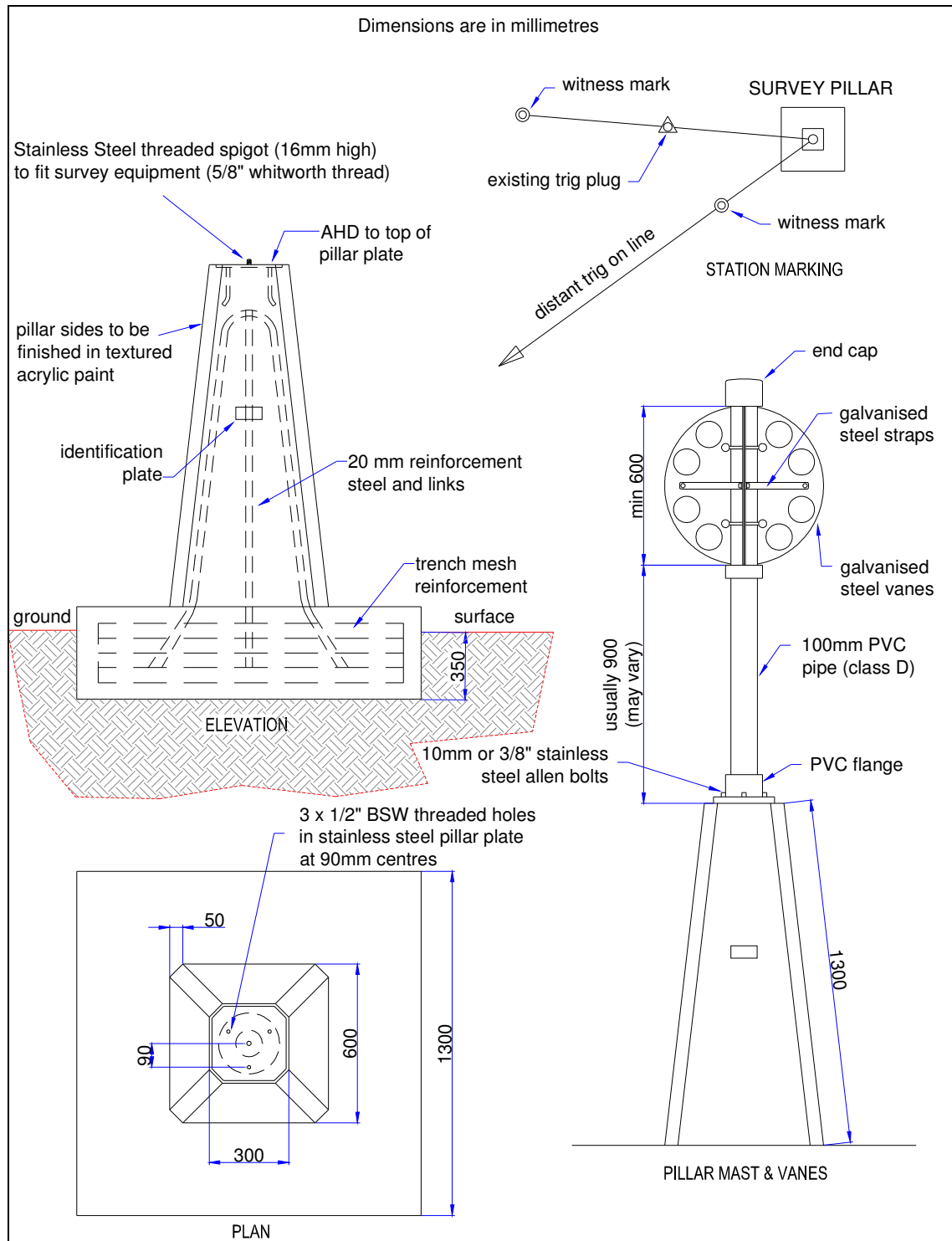
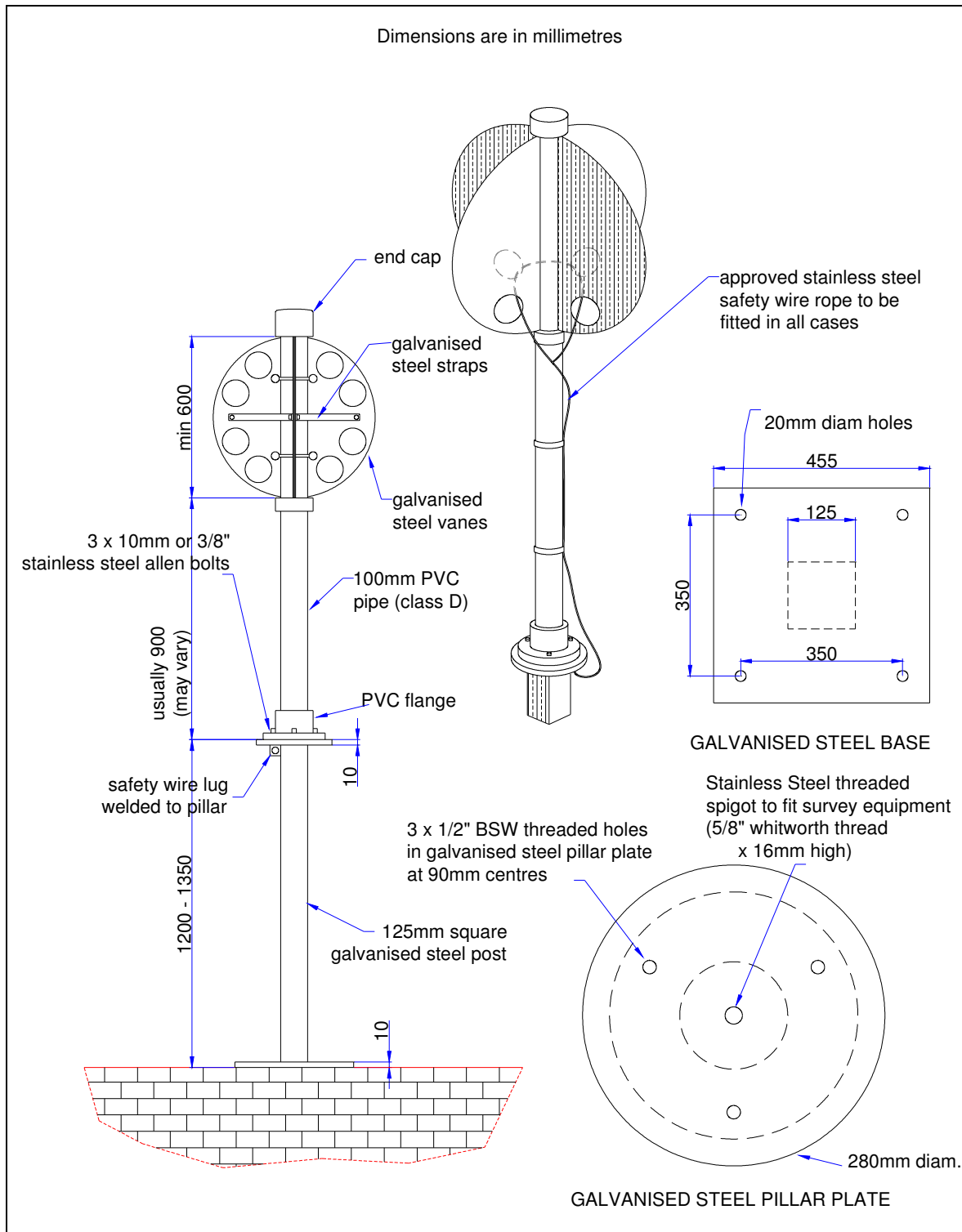




Diagram 8 - Permanent Mark - Type 10 (Rooftop Pillar)

PERMANENT MARK TYPE 10 (Rooftop Pillar)

As prescribed by the Surveying Regulation





Appendix A - Suitable Fixing Agents

Suitable Fixing Agents for SSM's

Following is a list of epoxies which are suitable for fixing SSM's. The most suitable are those which have a high viscosity.

Product

Quickset cement

Cement mix

Selley's Epoxy

Resin Cement repair kit

End of Direction