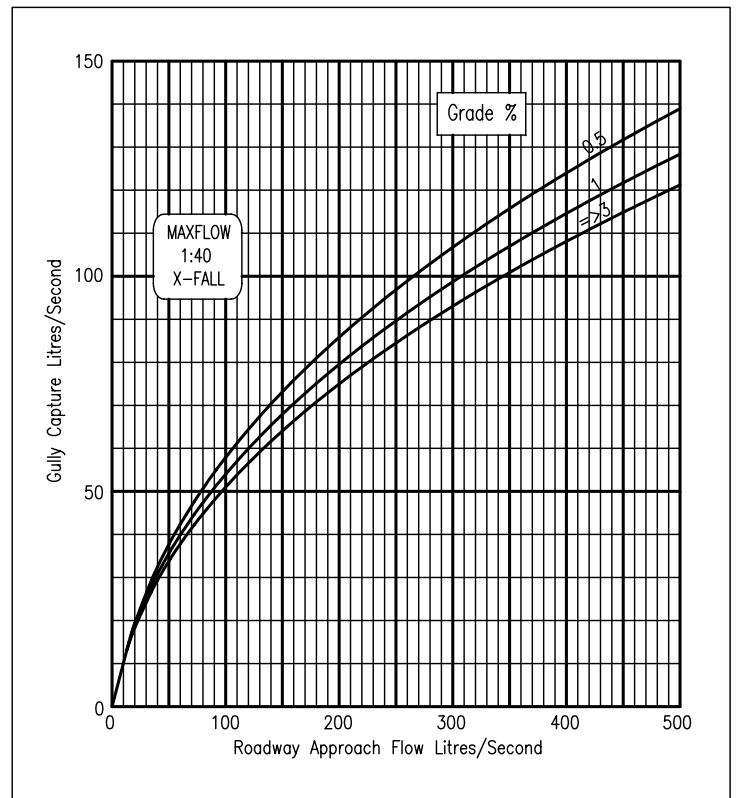
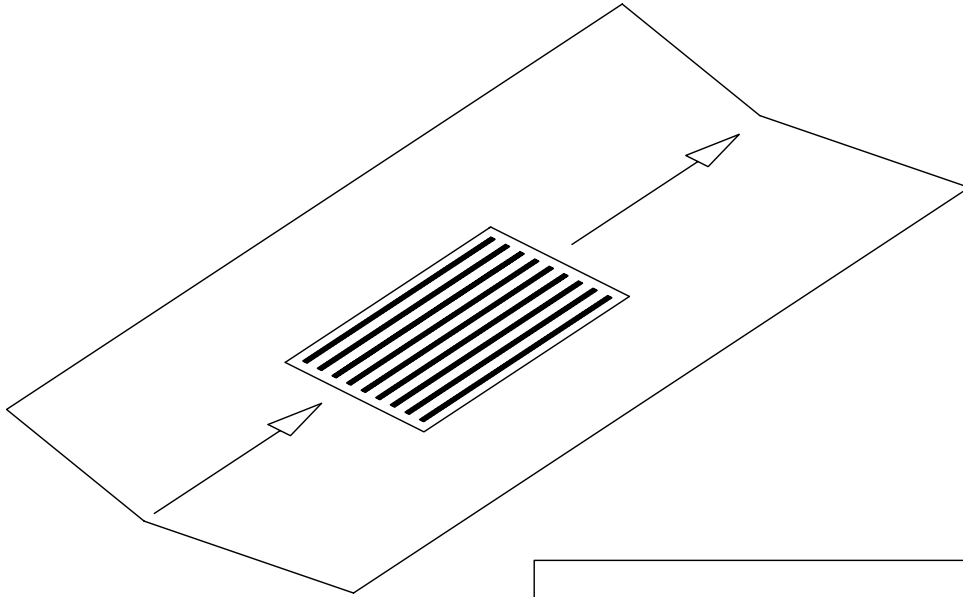


Kerbway

CENTRE OF ROAD INLETS

DESIGN CAPTURE CHARTS



Max Q

Kerbway

CENTRE OF ROAD INLETS

The System

Centre of road drainage eliminates a drainage channel and kerb from the sides of the roadway to allow easier access to property. In this context it is particularly appropriate for townhousing, carparks, commercial and other pedestrian precincts. It may also be used on access roads where it is desired to collect runoff from the paved area into a piped system without the need for kerb or channel or table drains.

Grates

Manning, *Mannflow* and *Maxflow* grates have been calibrated for capture v grade. The *Manning* has been by far the most popular choice because its width allows it to fit unobtrusively into roadways with minimum crossfall. Both *Manning* and *Mannflow* with slot widths of 17mm easily comply with AS 3996, Clause 3.3.5 requirement for pedestrian safety.

Hydraulics

Manning and *Mannflow* are used with bars aligned with the flow. The wider apertures of the *Maxflow* grate make it preferable where passage of debris is required.

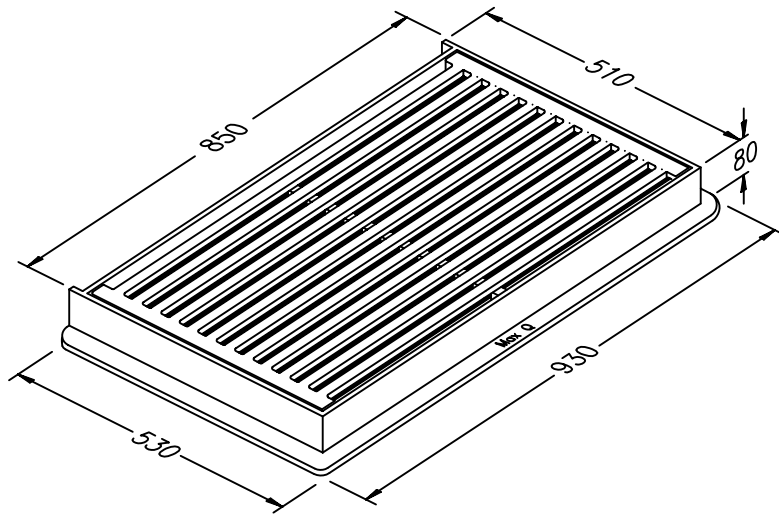
Capture Charts

The reliable capture curves for centre of road inlets, are derived from full scale testing at the Urban Water Resources Centre of the University of South Australia. Some designers prefer the downloadable interactive design aid *Capture - Kerbway* for assessing centre of road captures.

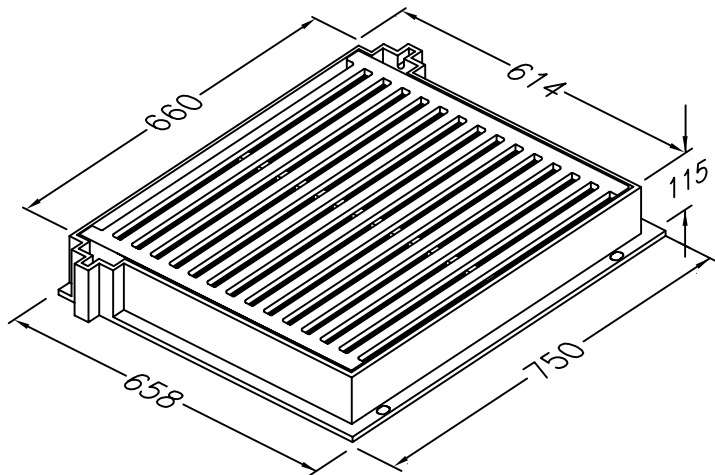
Design Drawings

The manual includes full construction drawings for all inlets.

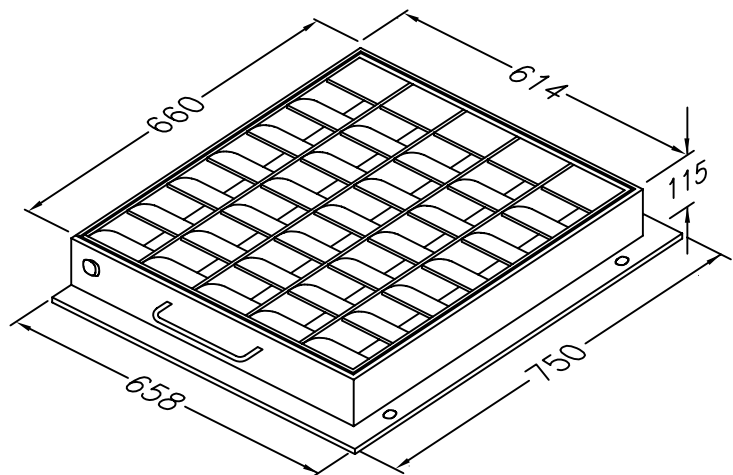
KERBWAY SYSTEM CENTRE OF ROAD GRATES



MANNING GRATE

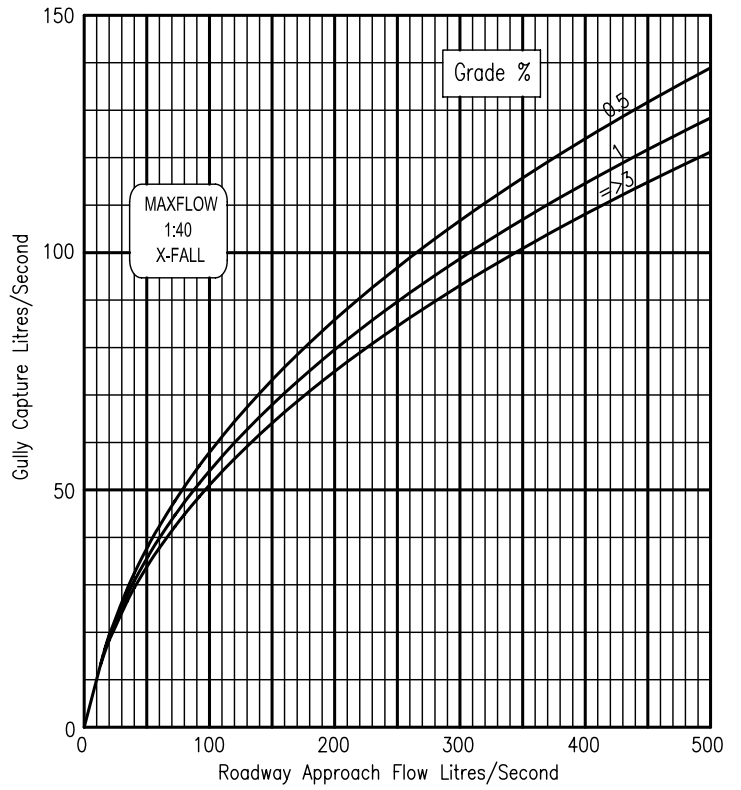
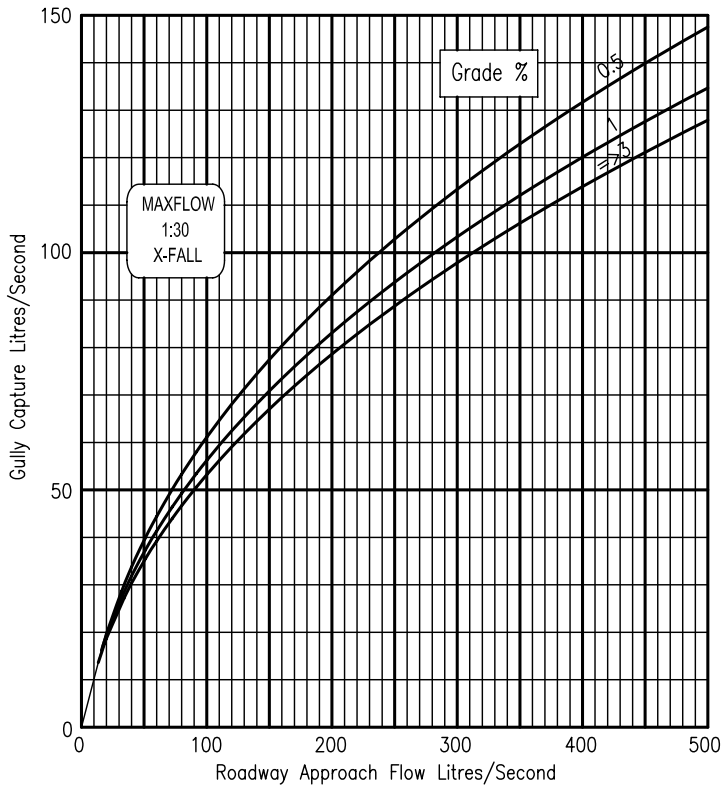


MANNFLOW GRATE

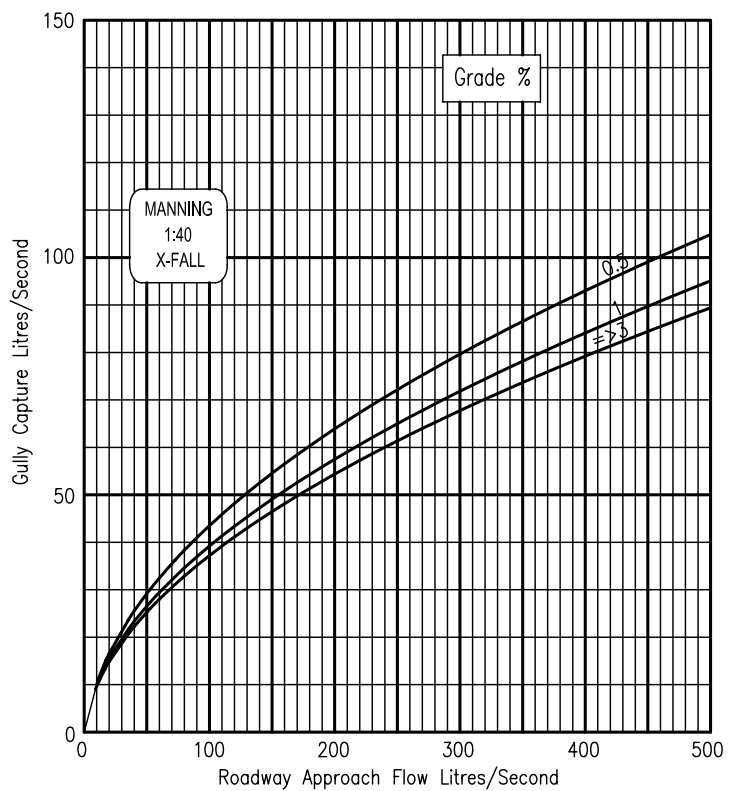
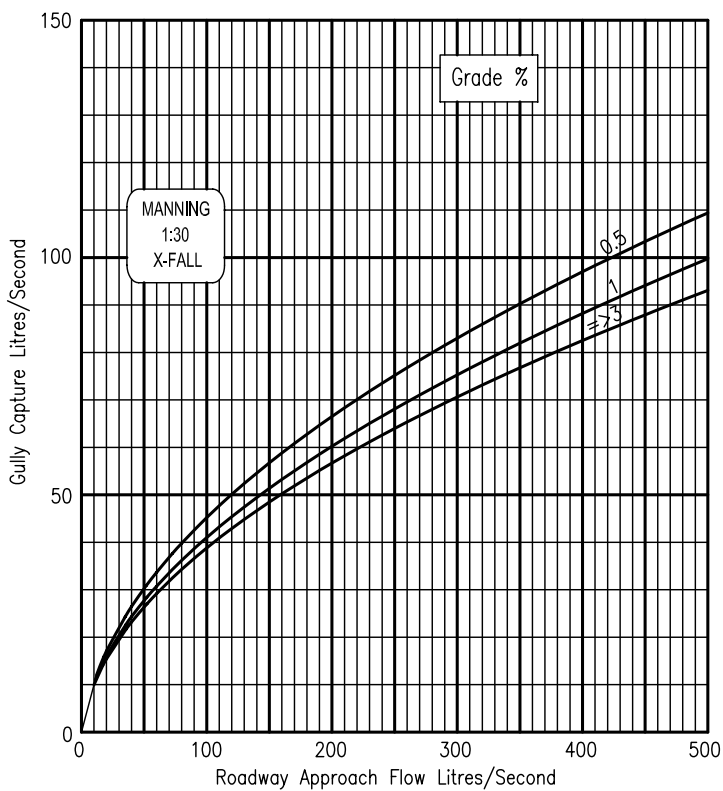


MAXFLOW GRATE

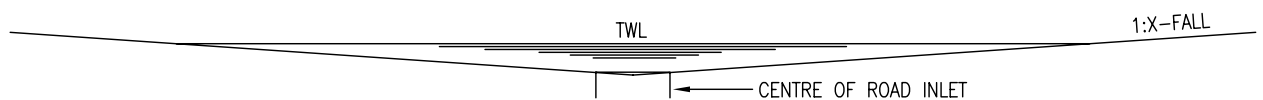
MANNFLOW & MAXFLOW GRATES CENTRE OF ROAD DRAINAGE

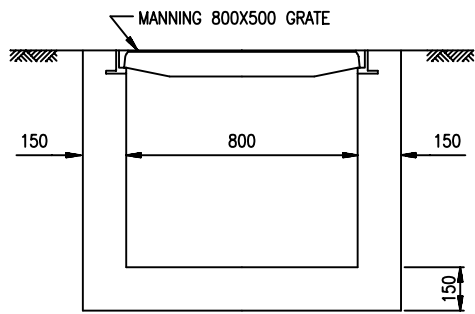


MANNING GRATE CENTRE OF ROAD DRAINAGE

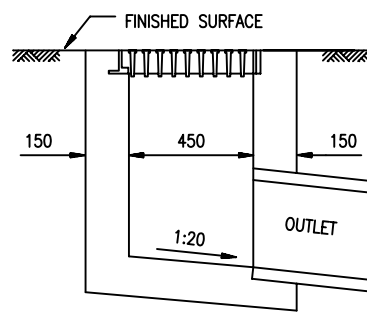


- NOTES: 1. THE OPEN VANED MAXFLOW GRATE MAY BE PREFERRED FOR DEDICATED ROADS.
 2. USE THE MANNING GRATE FOR PEDESTRIAN PRECINCTS (AS3996 - 3.3.5)
 3. SLOTS OF THE MANNFLOW AND MANNING GRATES RUN WITH THE FLOW.

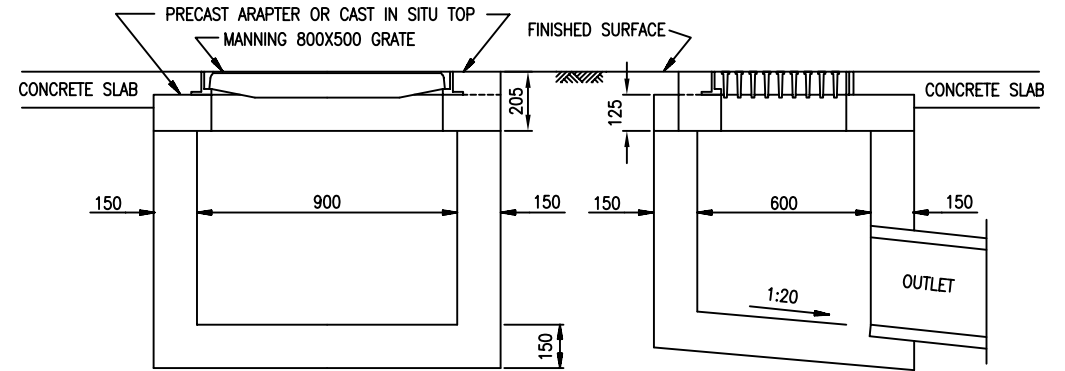




SECTION A-A

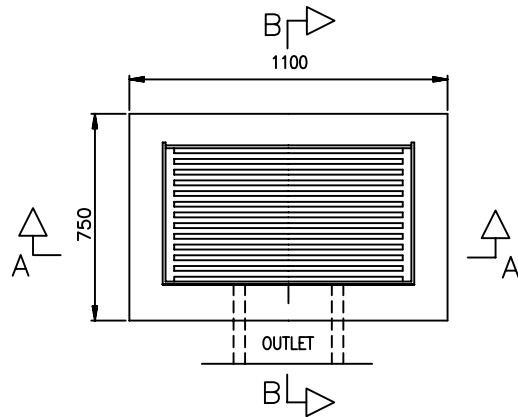


SECTION B-B

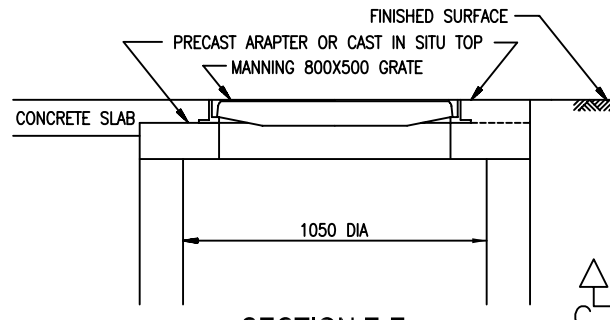


SECTION C-C

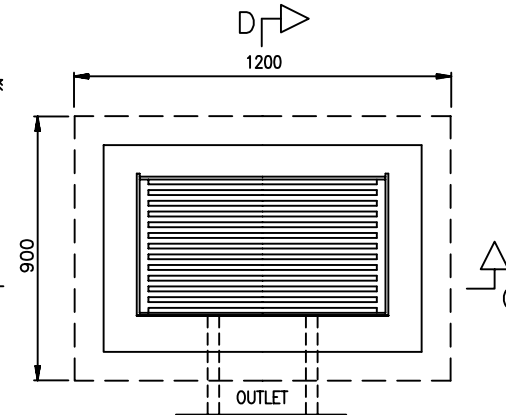
SECTION D-D



MANNING GRATE OVER 800 X 450 PIT



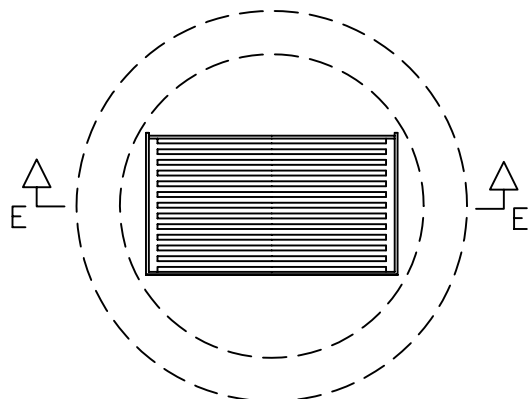
SECTION E-E



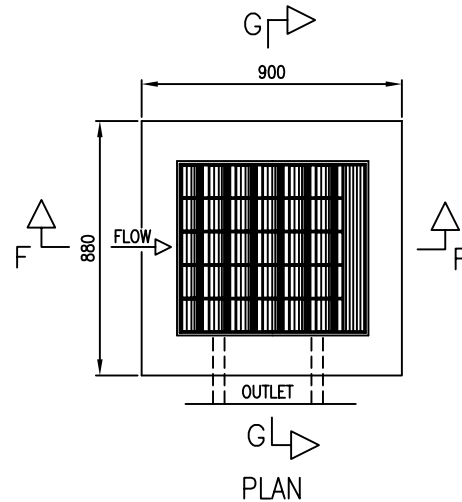
MANNING GRATE OVER 900 X 600 PIT

NOTES:

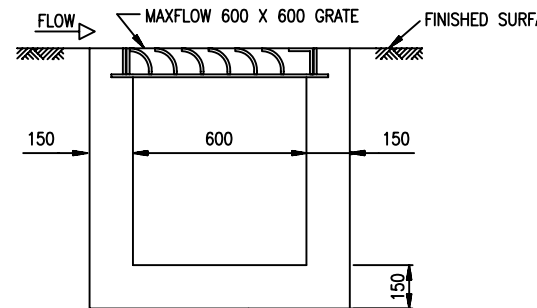
1. THE MAXFLOW GRATE GIVES HIGHEST CAPTURE AND PASSES DEBRIS TO 110MM X 40MM.
2. THE MANNING GRATE IS PREFERRED FOR PEDESTRIAN PRECINCTS.
3. THE BARS OF THE MANNING GRATE SHOULD BE ALIGNED WITH THE FLOW.
3. THE VANES OF THE MAXFLOW GRATE SHOULD BE ALIGNED WITH THE FLOW AS DRAWN.



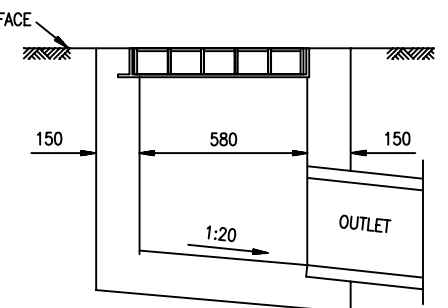
MANNING GRATE OVER 1050 DIA MANHOLE



PLAN



SECTION F-F



SECTION G-G

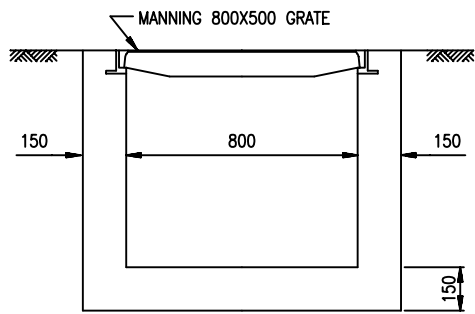
MAXFLOW GRATE OVER 600 X 580 PIT

REVISIONS		DATE	INITS
NO	ORIGINAL ISSUE	1-5-99	PGB

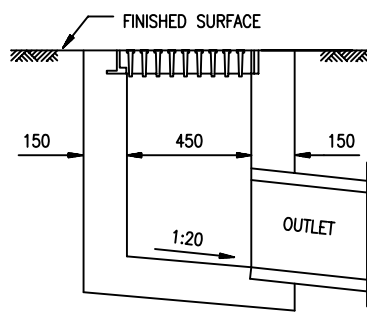


CENTRE OF ROAD INLETS

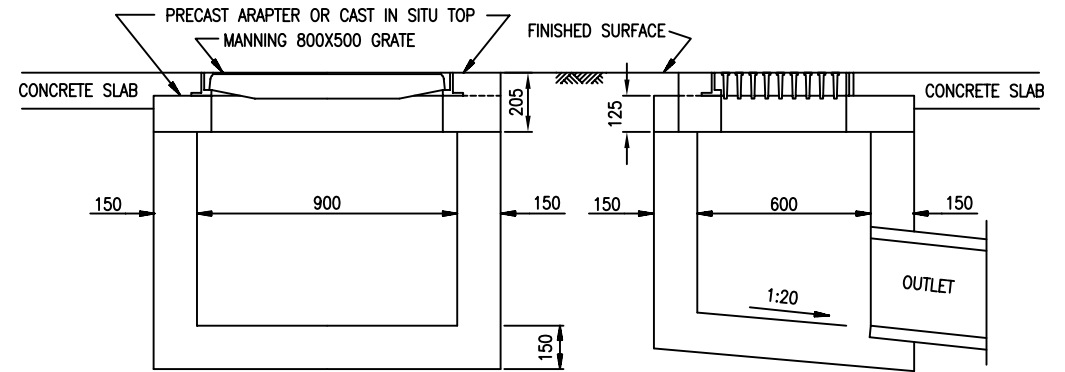
C1



SECTION A-A

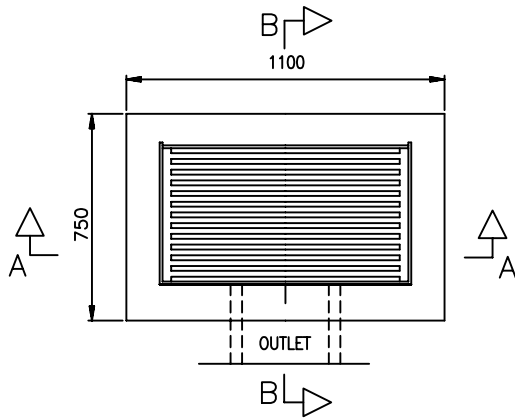


SECTION B-B

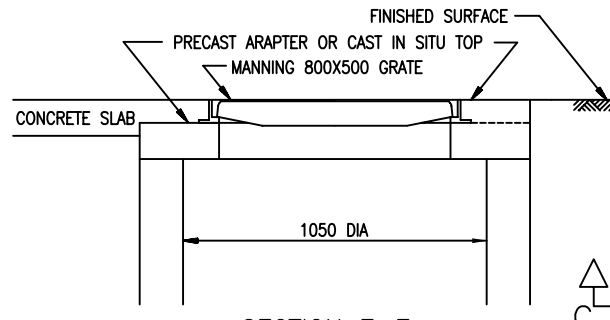


SECTION C-C

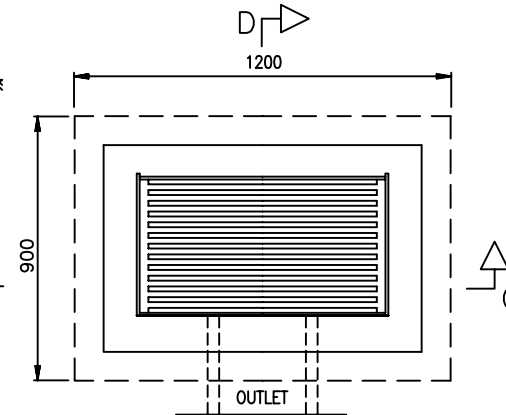
SECTION D-D



MANNING GRATE OVER 800 X 450 PIT



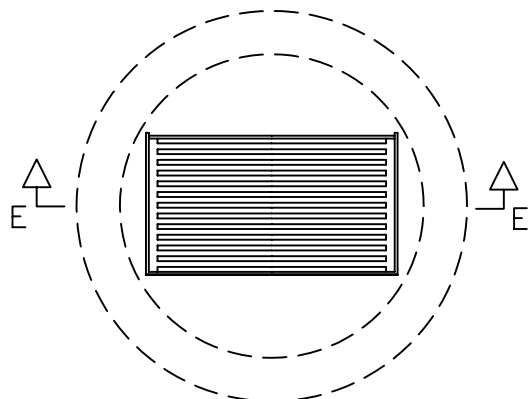
SECTION E-E



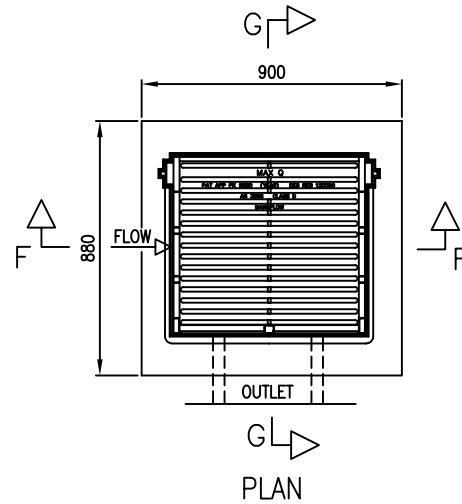
MANNING GRATE OVER 900 X 600 PIT

NOTES:

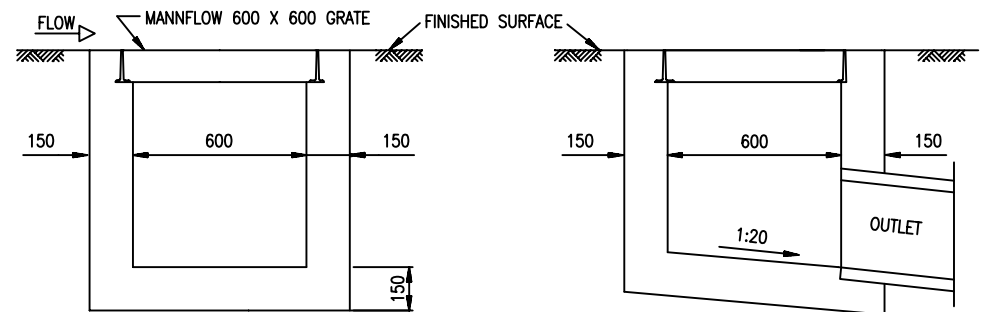
1. MANNFLOW & MAXFLOW GRATES ARE BICYCLE AND PEDESTRIAN SAFE TO AS 3995 - 2006
2. MANNING & MANNFLOW GRATES ARE IN ADDITION THE MOST BICYCLE AND PEDESTRIAN FRIENDLY GRATES AVAILABLE.
3. THE BARS OF MANNING & MANNFLOW GRATES SHOULD BE ALIGNED WITH THE FLOW.



MANNING GRATE OVER 1050 DIA MANHOLE



PLAN



SECTION F-F

SECTION G-G

MANNFLOW GRATE OVER 600 X 600 PIT

REVISIONS		DATE	INITS
NO	ORIGINAL ISSUE	8-12-06	PGB



CENTRE OF ROAD INLETS

C2