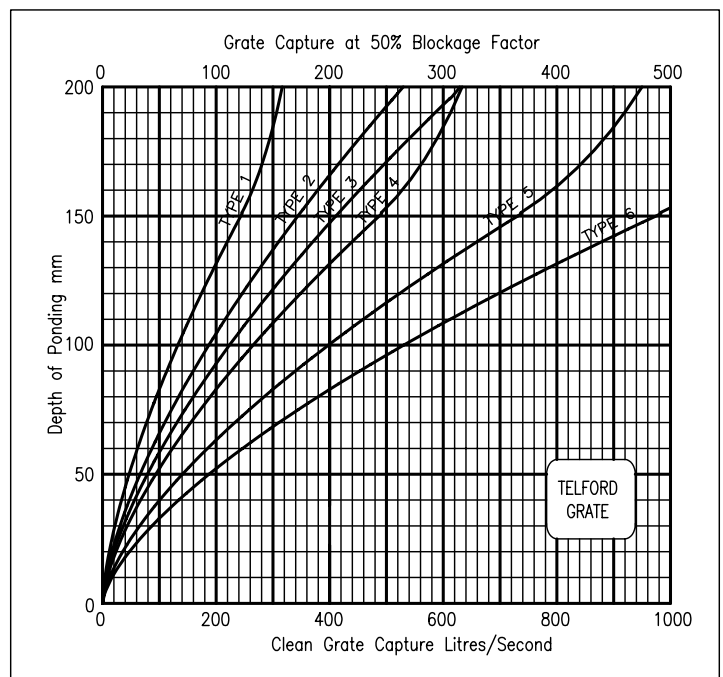
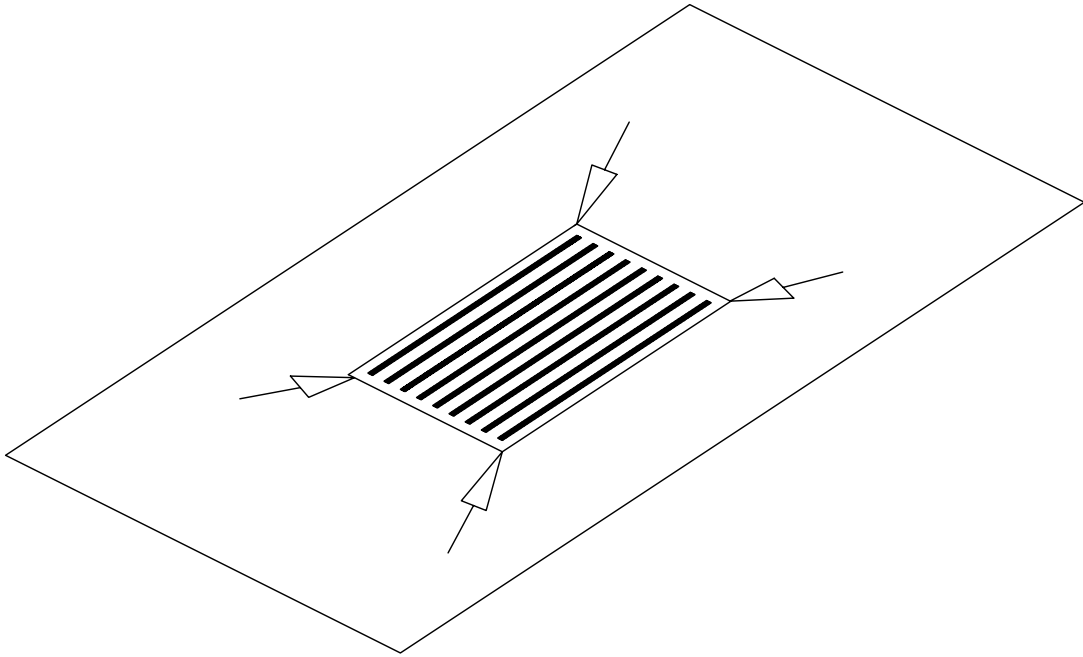


Kerbway

FIELD INLETS

DESIGN CAPTURE CHARTS



Max Q

Kerbway

FIELD INLETS

The System

Field inlets by definition are located flush with surface level in sags or slow moving ponds that permit flow capture into inlets from all directions. Capture up to 120mm inflow depth is by weir action over the perimeter changing as depth of flow increases to full orifice action through apertures between grate bars at around 430mm. Separation, by more than 2m of grates of *Manning* and *Telford* size, allows inlets to act independently.

Grates

Manning grates with slot widths of 17mm complying with AS 3996 Clause 3.3.5, are preferred except for mowed areas when the wider apertures of the *Telford* grate are preferred.

Hydraulics

The capture curves provide for up to 8 individual connected inlets.

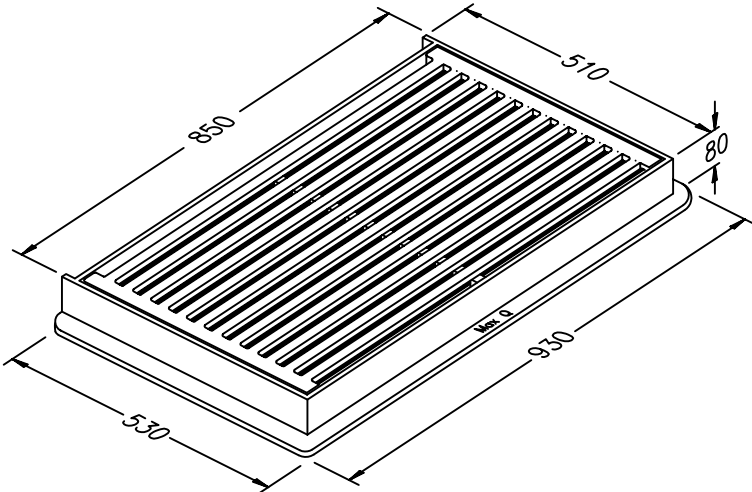
Capture Charts

Capture curves for field inlets, are derived from full scale testing at the Urban Water Resources Centre of the University of South Australia combined with the Searcy Formulae.

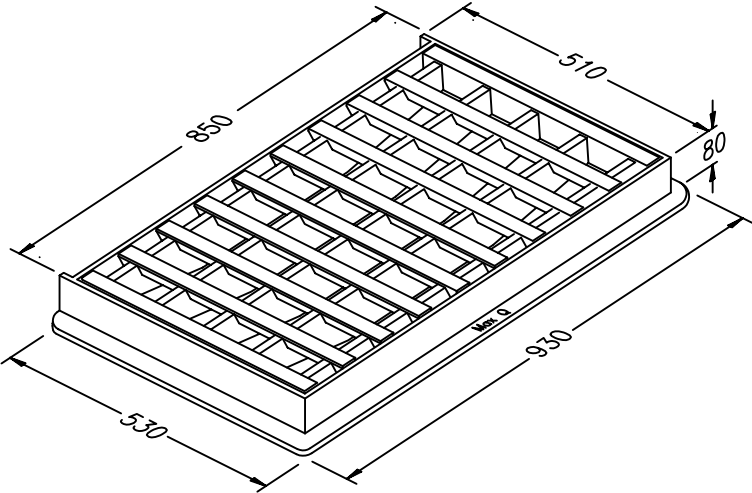
Design Drawings

The manual includes full construction drawings for field inlets.

KERBWAY SYSTEM FIELD INLET GRATES



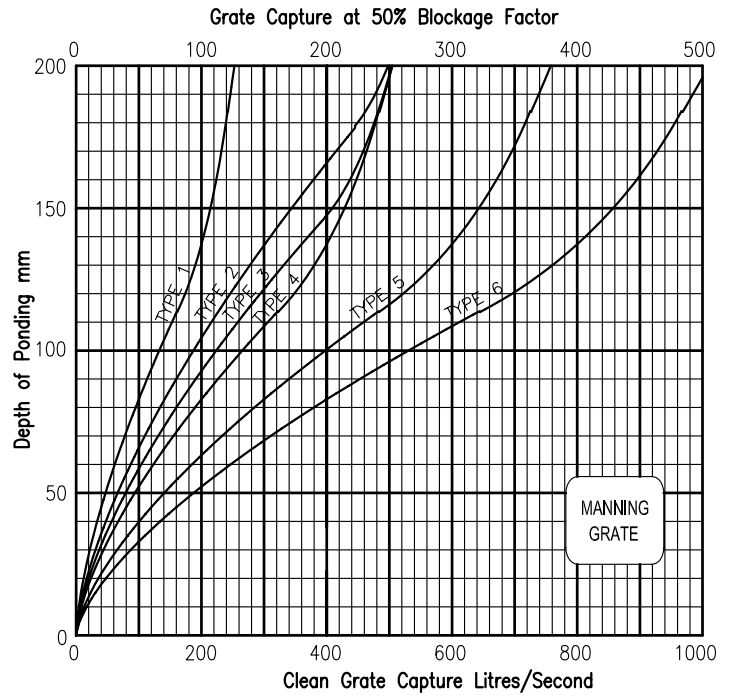
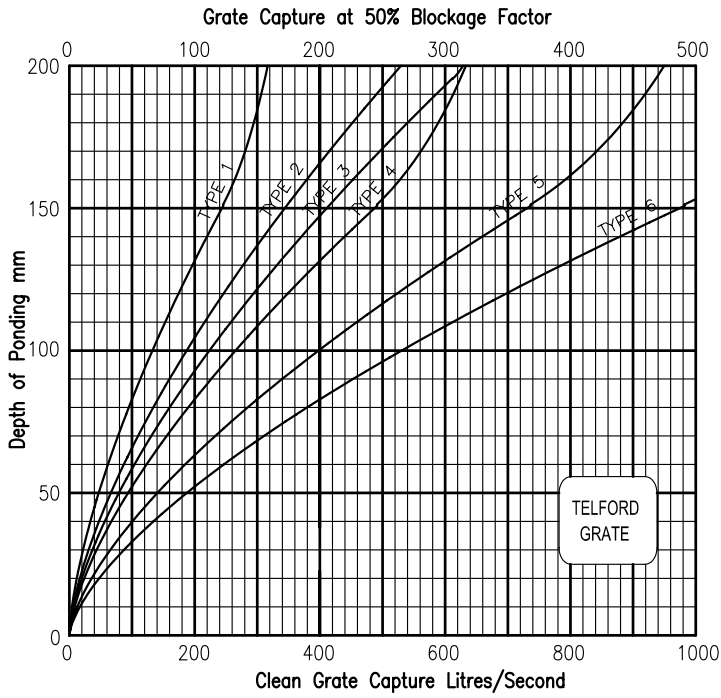
MANNING GRATE



TELFORD GRATE

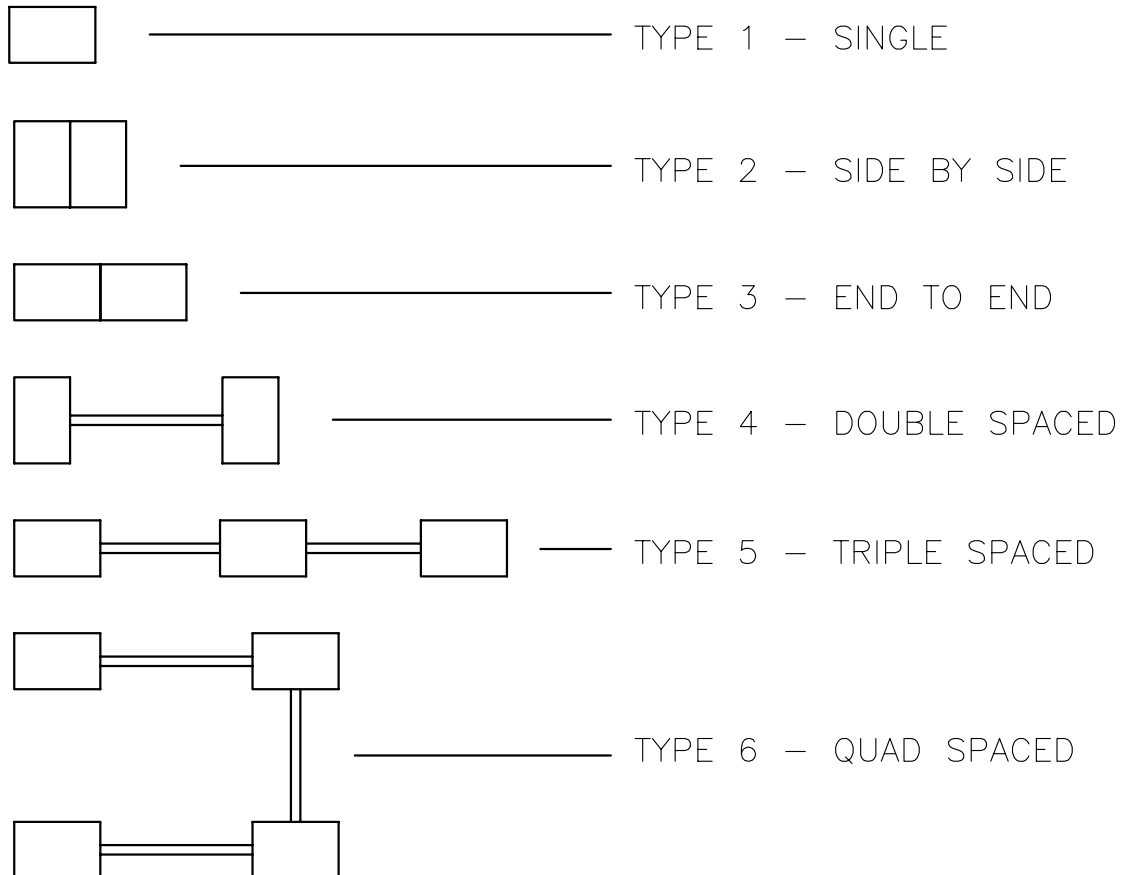
FIELD INLETS TELFORD AND MANNING GRATES

CHART 7

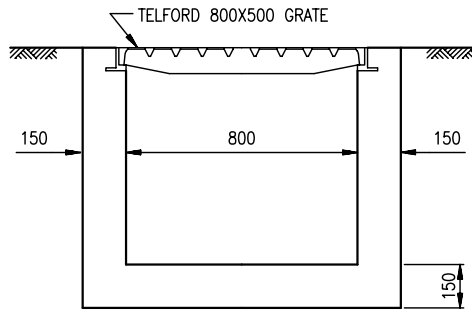


NOTES:

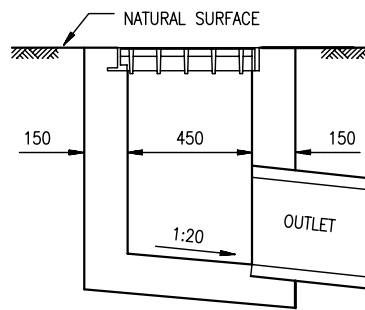
1. FIELD INLETS SHOULD BE SET IN A DEPRESSION OR SLOW MOVING CHANNEL.
2. THE TELFORD GRATE IS RECOMMENDED FOR VEGETATED AREAS.
3. THE MANNING GRATE IS PREFERRED FOR PEDESTRIAN PRECINCTS.
4. SPACED CHAMBERS HAVE A SEPARATION OF 2.4M BETWEEN INSIDE WALLS.



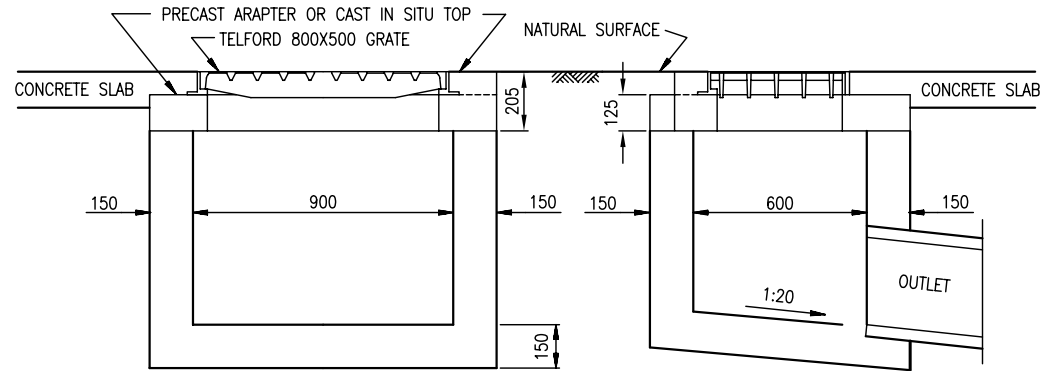
INLET CONFIGURATIONS



SECTION A-A

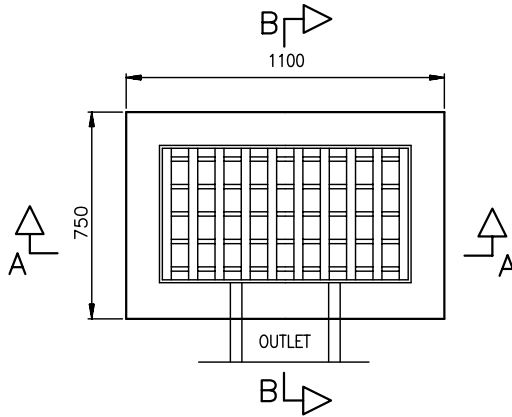


SECTION B-B

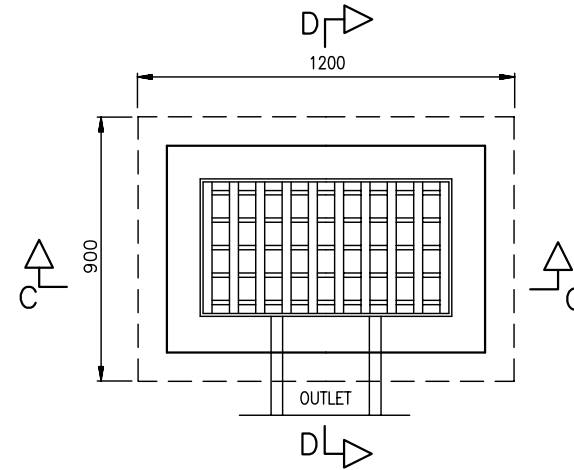


SECTION C-C

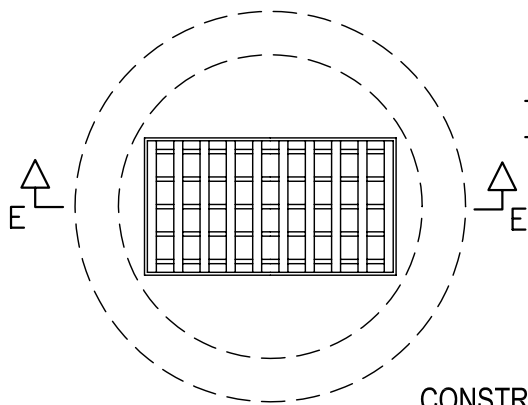
SECTION D-D



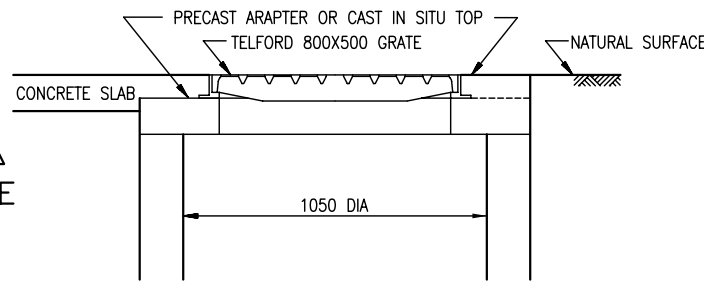
NORMAL CONSTRUCTION
OVER 800 X 450 PIT



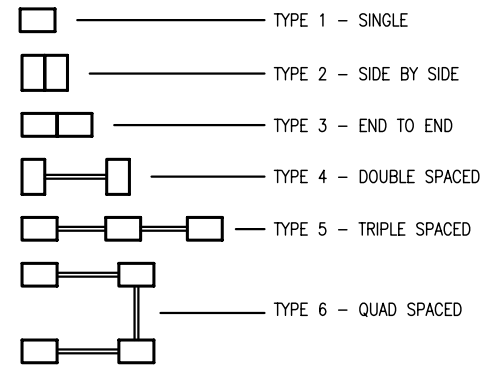
CONSTRUCTION
OVER 900 X 600 PIT



CONSTRUCTION OVER 1050 DIA MANHOLE



SECTION E-E



INLET CONFIGURATIONS

NOTES:

1. FIELD INLETS SHOULD BE SET IN A DEPRESSION OR SLOW MOVING CHANNEL.
2. THE TELFORD GRATE IS ILLUSTRATED AND IS RECOMMENDED FOR VEGITATED AREAS.
3. THE MANNING GRATE IS PREFERRED FOR PEDESTRIAN PRECINCTS.
4. THE TELFORD AND MANNING GRATES ARE INTERCHANGEABLE, USING IDENTICAL FRAMES.
5. PRECAST CONVERTERS ARE AVAILABLE FOR 1050 MH AND 900X600 PITS.
6. SPACED CHAMBERS HAVE A SEPARATION OF 2.4M BETWEEN INSIDE WALLS.

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

Max Q

FIELD INLETS

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