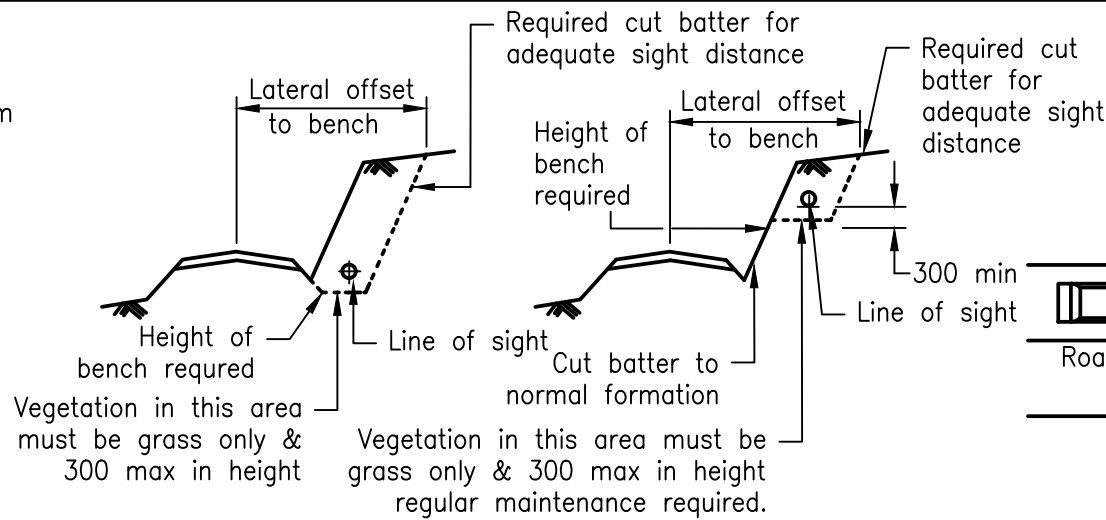


PROHIBITED LOCATIONS AT INTERSECTIONS FOR RURAL VEHICLE CROSSINGS



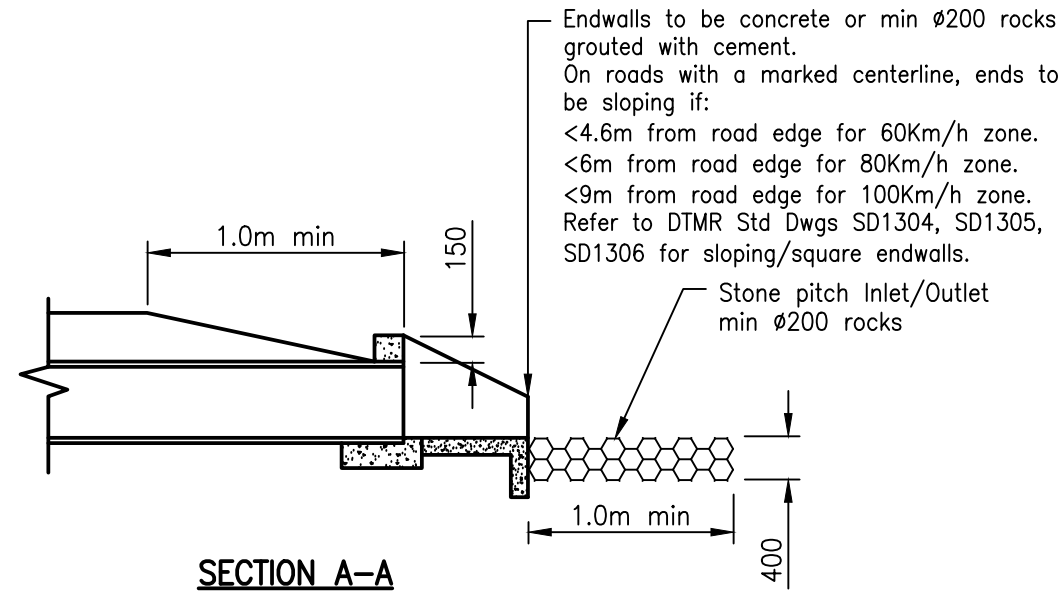
BENCHING DETAIL SECTION B-B

Catchment Area	PIPE SIZE	
	ARI 2	ARI 10
<0.5Ha	375	450
<1.0Ha	450	525
<1.5Ha	525	600
<2.5Ha	600	2/450
<3.0Ha	2/450	2/525
<4.0Ha	2/525	2/600
<5.0Ha	2/600	(2)

For average daily traffic ≤ 2000, ARI 2
For average daily traffic > 2000, ARI 10

(1) Alternatives may be approved if supported with calculations in accordance with the provisions of the Queensland Urban Drainage Manual or under the provisions of Council's Planning Scheme.

(2) Seek consulting engineer advice.



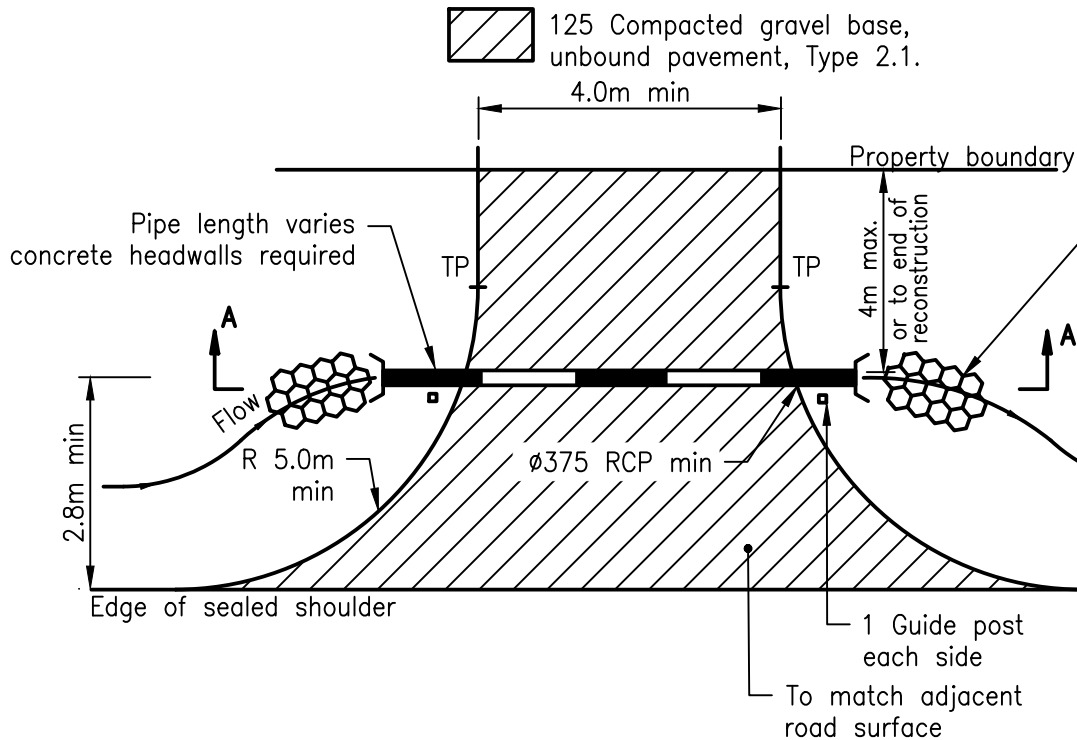
SECTION A-A

Endwalls to be concrete or min $\varnothing 200$ rocks grouted with cement.
On roads with a marked centerline, ends to be sloping if:
<4.6m from road edge for 60Km/h zone.
<6m from road edge for 80Km/h zone.
<9m from road edge for 100Km/h zone.
Refer to DTMR Std Dwgs SD1304, SD1305, SD1306 for sloping/square endwalls.

Stone pitch Inlet/Outlet min $\varnothing 200$ rocks

125 Compacted gravel base, unbound pavement, Type 2.1.

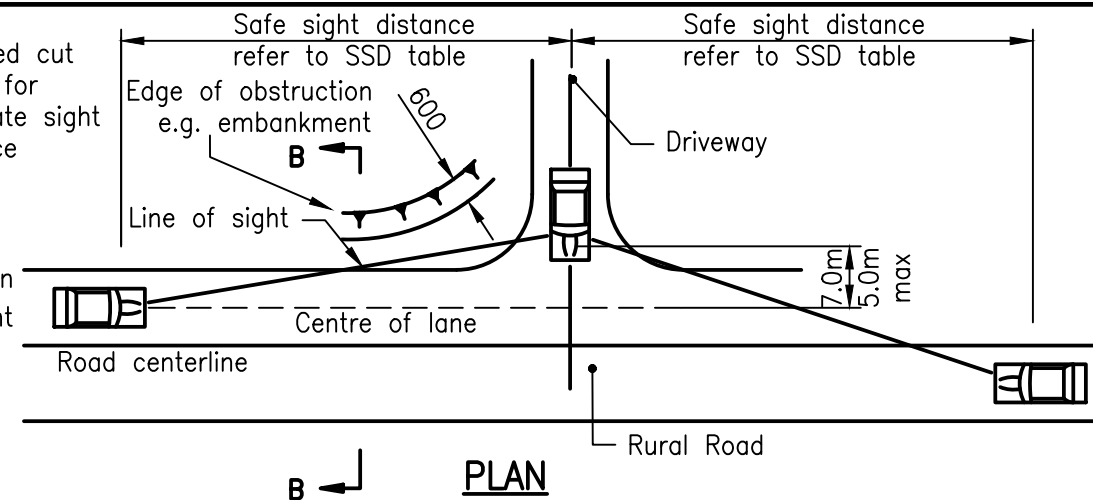
4.0m min



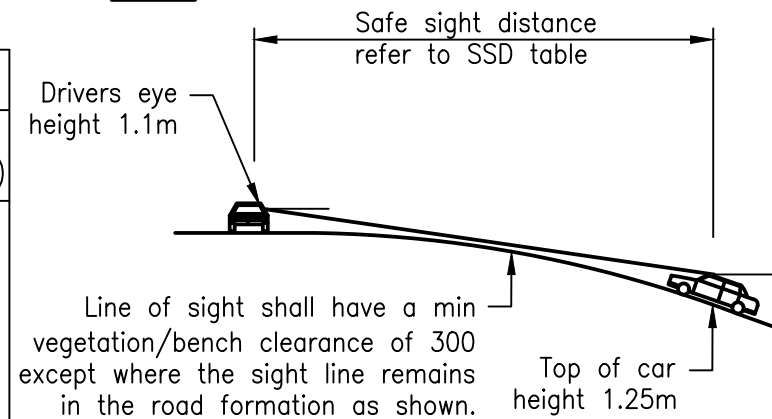
VEHICLE CROSSING PLAN

Speed Limit (km/h)	Safe Sight Distance (m)
40	73
50	97
60	123
70	151
80	181
90	214
100	248

Based on Austroads Part 4A - 2009, Table 3.2

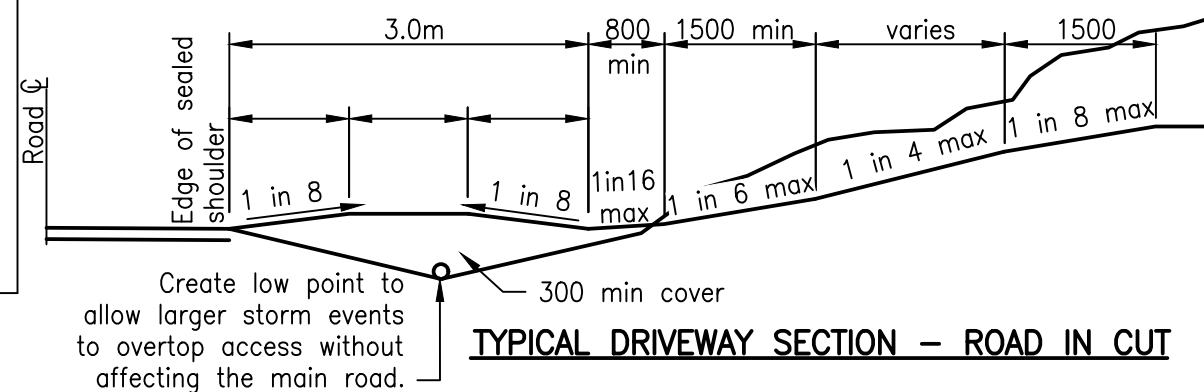


PLAN

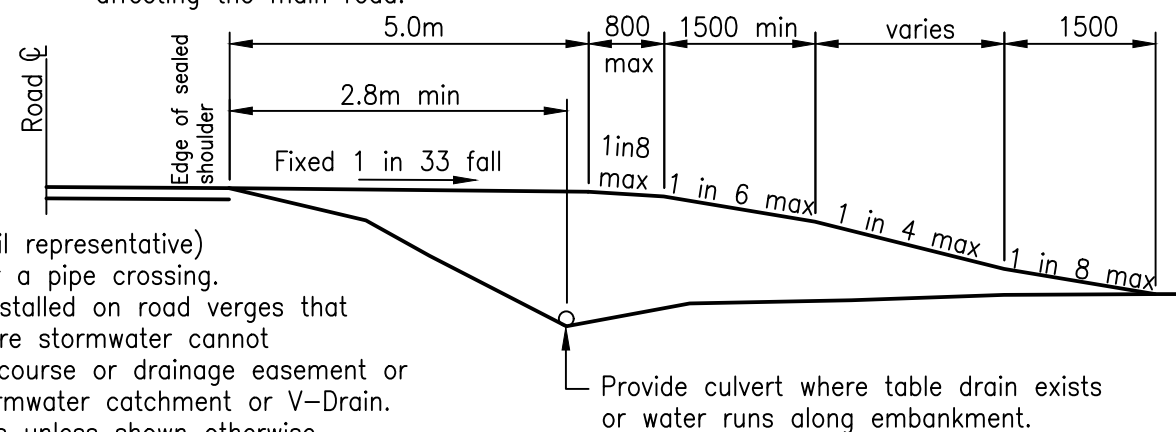


LONGITUDINAL SECTION

SSD - EXITING FROM DRIVEWAY



TYPICAL DRIVEWAY SECTION - ROAD IN CUT



TYPICAL DRIVEWAY SECTION - ROAD IN FILL

NOTES:

1. A site assessment (By a Council representative) is to occur upon application for a pipe crossing. Pipe crossings are not to be installed on road verges that fall to the subject property where stormwater cannot be directed to a natural water course or drainage easement or when there is no upstream stormwater catchment or V-Drain.
2. All dimensions are in millimetres unless shown otherwise.

These drawings have been developed in consultation between the participating Councils. BEFORE USE, the user shall confirm that the drawing has been adopted by the appropriate Council.

Rv.	DATE	REVISIONS
F	06/14	Review
E	03/14	Amended Drawing Number
D	12/11	Drawing number changed from SEQ R-056 to RS-056
C	06/10	Review
B	06/09	Review
G	06/16	Review
	03/09	ORIGINAL ISSUE



**INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALASIA
STANDARD DRAWINGS**

**VEHICLE CROSSINGS
RURAL DRIVEWAY**

RS-056

E
D
C
B
G
Rv.