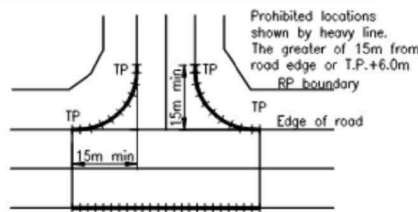


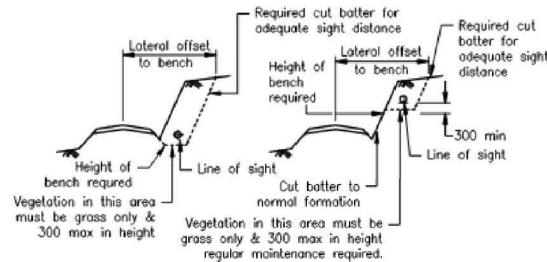
### DRIVEWAY FLOW CALCULATIONS

AREA	Q50 FLOW	CULVERT FLOW	CULVERT SIZE FOR BLOCK PURCHASER INSTALL
LOT 65	0.231	111ls	450 RCP
LOT 66	0.161	77ls	450 RCP
LOT 67	0.111	53ls	450 RCP
LOT 68	0.220	105ls	450 RCP
LOT 69	0.293	140ls	450 RCP
LOT 70	0.464	222ls	450 RCP
LOT 71	0.512	245ls	450 RCP
LOT 72	0.550	264ls	450 RCP
LOT 147	0.699	301ls	450 RCP

**NOTE: LOTS LISTED IN THE 'DRIVEWAY FLOW CALCULATIONS' TABLE MUST INCLUDE A DN450 RCP CULVERT. ALL OTHER LOT HOMEOWNERS REFER TO THE STANDARD DETAILS PROVIDED IN IPWEA STANDARD DRAWING 'VEHICLE CROSSINGS RURAL DRIVEWAY' RS-056, SPECIFICALLY 'TYPICAL DRIVE SECTION - ROAD IN CUT', AND 'TYPICAL DRIVEWAY SECTION - ROAD IN FILL'. HOMEOWNERS ARE REQUIRED TO INCLUDE STONE PITCHING AS PART OF VEHICLE CROSSING CONSTRUCTION. A LOW POINT SHALL BE INCORPORATED WHERE NECESSARY TO FACILITATE OVERLAND FLOW FOR STORMWATER FLOWS EXCEEDING THE CULVERT CAPACITY, DIRECTING FLOW TO DOWNSTREAM SWALES. APPROVAL SHALL BE OBTAINED FROM LOCKYER VALLEY REGIONAL COUNCIL PRIOR TO COMMENCEMENT OF ANY VEHICLE CROSSING CONSTRUCTION.**



**PROHIBITED LOCATIONS AT INTERSECTIONS FOR RURAL VEHICLE CROSSINGS**

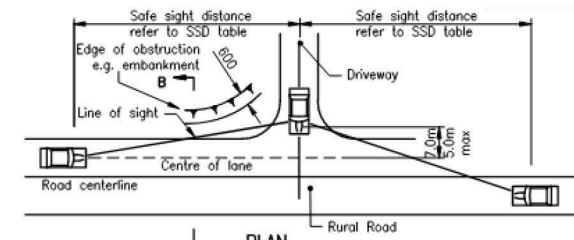


**BENCHING DETAIL SECTION B-B**

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

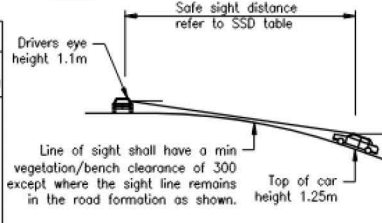
(1) Alternatives may be approved if supported with calculations in accordance with the provisions of the Queensland Urban Drainage Manual or under the provisions of Council's Planning Scheme.  
(2) Seek consulting engineer advice.



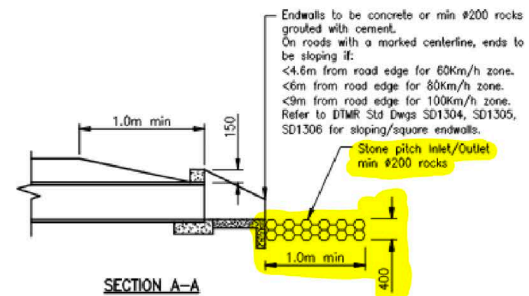
**PLAN**

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

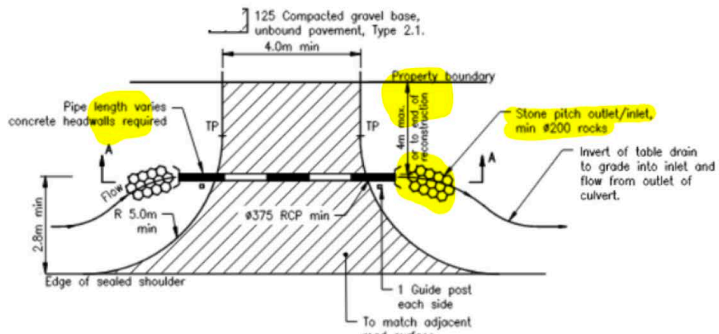
Based on Austroads Part 4A - 2009, Table 3.2



**LONGITUDINAL SECTION SSD - EXITING FROM DRIVEWAY**



**SECTION A-A**

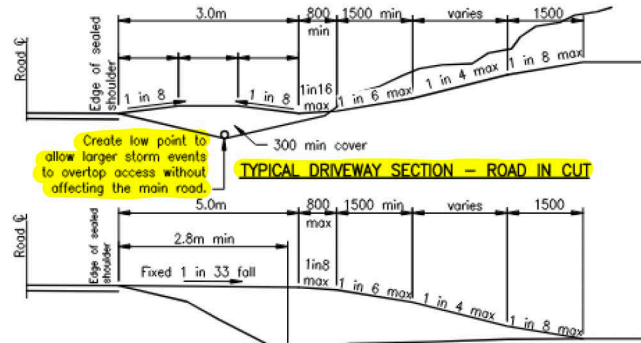


**VEHICLE CROSSING PLAN**

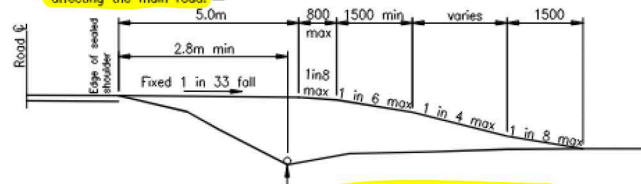
**NOTES:**

- 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.
- 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.



**TYPICAL DRIVEWAY SECTION - ROAD IN CUT**



**TYPICAL DRIVEWAY SECTION - ROAD IN FILL**

NO	DATE	REVISION
01	06/16	Review
02	08/14	Review
03	03/14	Amended Drawing Number
04	12/11	Drawing number changed from SEQ R-056 to RS-056
05	08/10	Review
06	08/09	Review
07	08/09	Review
08	08/09	Review
09	08/09	Review
10	08/09	Review
11	08/09	Review
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100	08/09	Review



INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALASIA  
STANDARD DRAWINGS

VEHICLE CROSSINGS  
RURAL DRIVEWAY

RS-056

REVISED