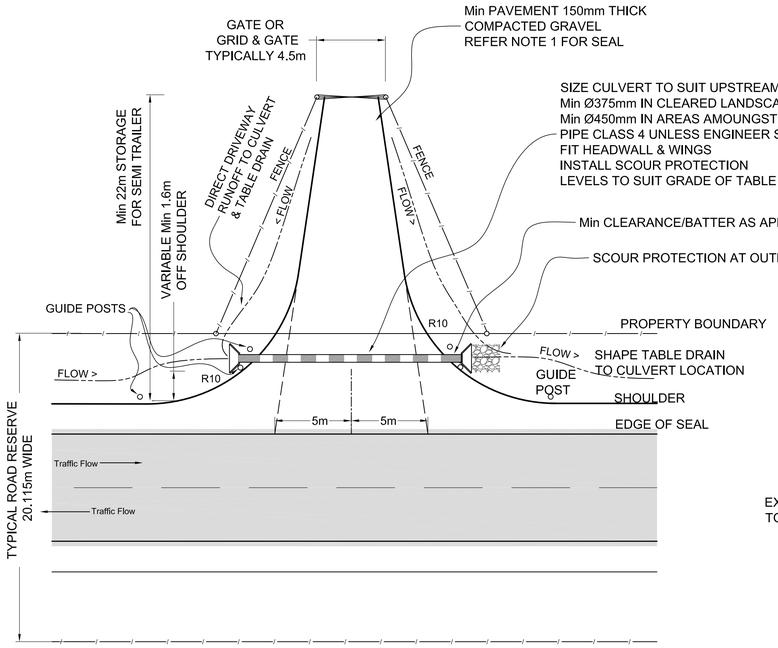
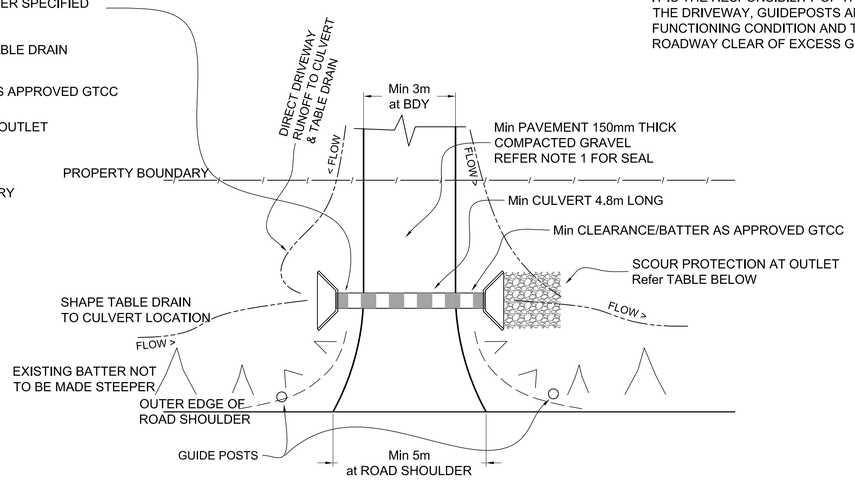


PLAN OF DRIVEWAY LAYOUT AND GATE INDENT FOR RURAL ARTERIAL, RURAL SUB ARTERIAL & RURAL COLLECTOR ROADS AND ROADS WITH TRAFFIC VOLUMES GREATER THAN 2000AADT.(Rural Road Categories 4, 5 & 6)

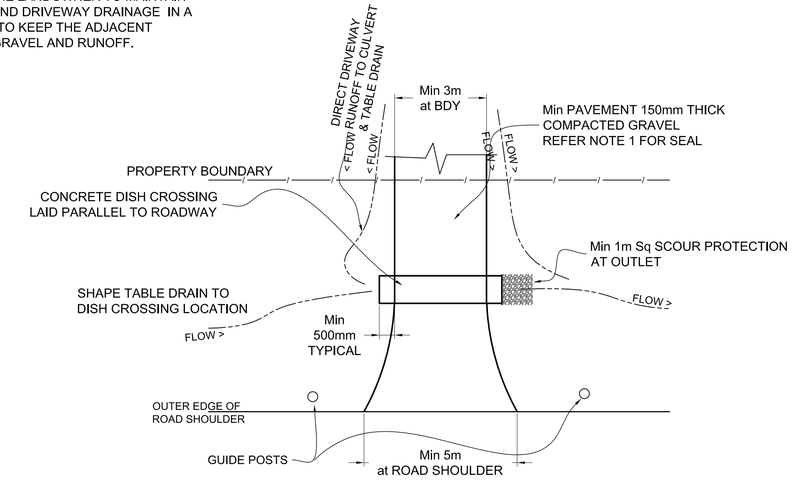
DRIVEWAYS ARE TO BE SHAPED TO SHED WATER PRIOR TO PROPERTY BOUNDARY AND DIRECT RUNOFF TO CULVERT AND TABLE DRAIN AS SHOWN.

DRIVEWAYS ARE NOT TO SHED RUNOFF OR LOOSE GRAVEL ONTO THE ADJACENT PUBLIC ROAD CARRIAGEWAY.

IT IS THE RESPONSIBILITY OF THE LANDOWNER TO MAINTAIN THE DRIVEWAY, GUIDEPOSTS AND DRIVEWAY DRAINAGE IN A FUNCTIONING CONDITION AND TO KEEP THE ADJACENT ROADWAY CLEAR OF EXCESS GRAVEL AND RUNOFF.



PLAN OF TYPICAL DRIVEWAY LAYOUT AND PIPED CROSSING ON RURAL ROAD AND LANEWAYS
(Rural Road Categories 1, 2 & 3)

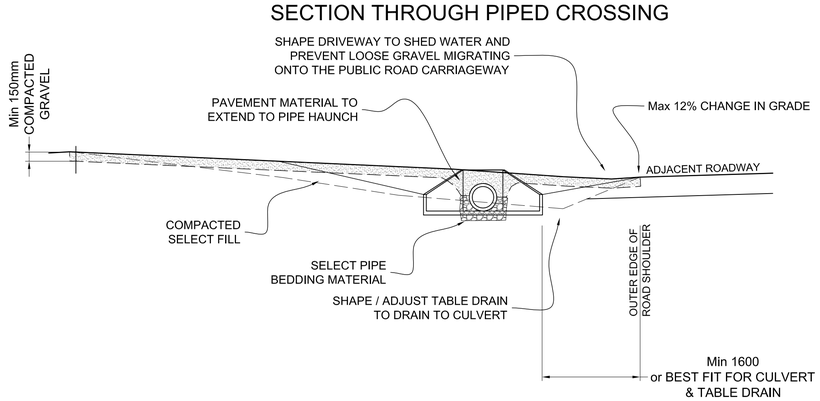


PLAN OF TYPICAL DRIVEWAY LAYOUT AND DISH CROSSING ON RURAL ROAD AND LANEWAYS
(Rural Road Categories 1, 2 & 3)

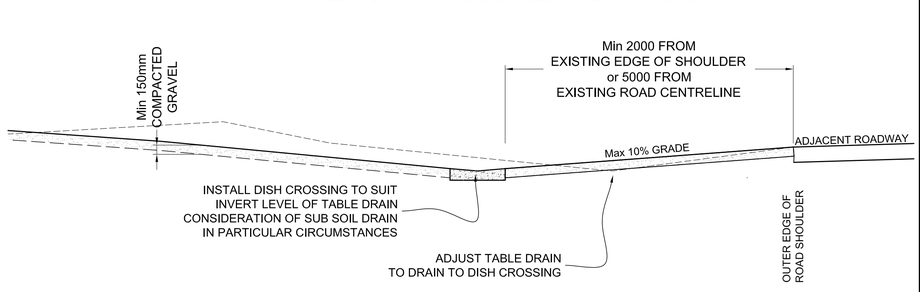
GENERAL NOTES

1. WHERE ADJACENT ROAD IS SEALED THE DRIVEWAY SHALL BE SEALED FROM THE EDGE OF SEAL TO PROPERTY BOUNDARY. ANY DRIVEWAY OVER 12% GRADE SHALL BE SEALED.
2. Max CHANGE OF GRADE TO BE 12% INCLUDING TRANSITION FROM ADJACENT ROAD. Maximum GRADE OF DRIVEWAY SHALL BE 25%.
3. THE PRIVATE (INTERNAL) DRIVEWAY IS TO BE CONSTRUCTED IN SUCH A WAY THAT STORMWATER IS NOT CONCENTRATED TO THE ENTRY AT THE ROAD BOUNDARY. ALL DRIVEWAYS SHALL BE SHAPED TO PREVENT GRAVEL AND RUNOFF FROM SPILLING ONTO THE ADJACENT PUBLIC ROADWAY.
4. PIPE CULVERTS ARE ALL RUBBBER RING JOINTED PIPES Class 4 TO SUIT UPSTREAM CATCHMENT. ON DRIVEWAYS WITH CLEARED SURROUNDS Min PIPE SHALL BE Ø375mm, ON DRIVEWAYS WITH TREES OVERHANGING Min PIPE SHALL BE Ø450mm, PIPE DIAMETER SHALL NOT BE SMALLER THAN THE NEXT UPSTREAM PIPE.
5. THE LEVEL OF THE CULVERT OR DISH CROSSING IS TO BE INSTALLED TO SUIT THE ROADSIDE TABLE DRAIN AND PROVIDE CONTINUITY OF FLOW.
6. HEADWALLS ARE TO BE INSTALLED WELL CLEAR OF THE TRAFFIC. THE LOCATION OF THE TABLE DRAIN MAY BE ADJUSTED IN LINE AND LEVEL TO FULFIL THESE REQUIREMENTS. PIPE ENDS ARE TO BE MORTARED OR OTHERWISE FIXED INTO HEADWALLS USING *"SIKAFLEX"* OR SIMILAR SILICONE SEALANT.
7. SCOUR PROTECTION SHALL BE PROVIDED GENERALLY IN ACCORDANCE WITH SCOUR PROTECTION TABLE OR AS APPROVED.
8. SIGHT DISTANCES SHALL BE PROVIDED GENERALLY IN ACCORDANCE WITH SAFE SIGHT DISTANCE TABLE OR AS APPROVED.
9. TO ALLOW SAFE ACCESS WITHOUT IMPEDING TRAFFIC ON THE PUBLIC ROADWAY GATES SHALL BE INDENTED AS ABOVE ON HEAVILY TRAFFICED ROADWAYS. ON ALL OTHER RURAL ROADS THE GATE IS TO BE SET BACK Min 5.5m FROM THE ROAD SHOULDER AND THE GATE SHALL OPEN INWARDS.
10. SUBGRADE (BELOW GRAVEL PAVEMENT) COMPACTION TO 95% Std. BASECOURSE (GRAVEL PAVEMENT) COMPACTION TO 98% Std.
11. THE DRIVEWAY AND DRIVEWAY DRAINAGE IS TO BE MAINTAINED IN GOOD WORKING ORDER BY THE LANDOWNER.

SECTION THROUGH PIPED CROSSING



SECTION THROUGH DISH CROSSING



PIPE CULVERT SCOUR PROTECTION/ RIP RAP OUTLET TREATMENT

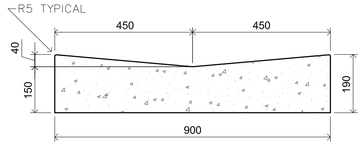
PIPE SIZE (mm)	PIPE GRADE %	OUTLET ROCK Dia. (mm)	OVERALL LENGTH (m)	EXIT WIDTH (m)
375	< 0.5	100	1.5	1.5
	0.5-0.2	100	1.5	1.0
	2.0-3.0	200	1.5	1.5
	3.0-4.0	200	2.0	1.5
	4.0-5.0	200	2.5	2.0
	> 5.0	detailed design req'd based on flow & velocity		
450	< 0.5	200	2.5	2.0
	0.5-1.0	200	2.5	2.0
	1.0-2.0	200	1.0	1.0
	2.0-3.0	200	1.5	1.0
	3.0-4.0	200	2.0	2.0
	4.0-5.0	200	3.5	3.0
	> 5.0	detailed design req'd based on flow & velocity		

PIPE SIZE (mm)	PIPE GRADE %	OUTLET ROCK Dia. (mm)	OVERALL LENGTH (m)	EXIT WIDTH (m)
525	< 0.5	200	0.5	0.5
	0.5-1.0	200	0.5	0.5
	1.0-2.0	200	1.0	1.0
	2.0-3.0	200	2.0	2.0
	3.0-4.0	200	3.5	3.0
	4.0-5.0	200	4.0	3.5
	> 5.0	detailed design req'd based on flow & velocity		
600	< 0.5	200	2.5	2.0
	0.5-0.2	200	2.0	1.5
	2.0-3.0	300	2.5	2.0
	3.0-4.0	300	3.0	2.5
	4.0-5.0	300	4.0	3.5
	> 5.0	detailed design req'd based on flow & velocity		

TABLE OF SAFE INTERSECTION SIGHT DISTANCES
LOCATE DRIVEWAYS ACCORDINGLY.

DESIGN SPEED	SISD
60km/h	105m
70km/h	130m
80km/h	160m
90km/h	190m
100km/h	225m

DESIGN SPEED (km/h)	CORRECTION (m)					
	UPGRADE			DOWNGRADE		
	4%	8%	12%	4%	8%	12%
60	-	-5	-10	-	+5	+10
70	-	-10	-10	+5	+10	+15
80	-5	-10	-15	+5	+10	+25
90	-10	-15	-20	+10	+20	+30
100	-10	-20	-25	+10	+25	+45



TYPE SB DISH DRAIN

FOR CONSTRUCTION ISSUE

REV	DATE	DESCRIPTION	DRAWN	CHECK	DESIGN	APPROVED

SCALES

2 PULTENEY ST
PO BOX 482
TAREE NSW 2430
AUSTRALIA

T 02 6592 5399
F 02 6592 5311
E gtaree@gtcc.nsw.gov.au
W www.gtcc.nsw.gov.au
ABN 45 851 497 602

Greater Taree City Council

A1 ORIGINAL

DO NOT SCALE

USE FIGURED DIMENSIONS ONLY
VERIFY ALL DIMENSIONS ON SITE

THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS APPROVED & STAMPED " FOR CONSTRUCTION "

CONSULTANT

CONSULTANT REFERENCE No.

DRAWN	DESIGNED
GC	Various
DRAFTING CHECK BH	DESIGN CHECK GC GS

APPROVED DATE
Grant Calvin TL Design & Investigation
APPROVED FOR AND ON BEHALF OF GREATER TAREE CITY COUNCIL
SIGNED August 14, 2014 DATE

STANDARD DRAWING
RURAL DRIVEWAYS

RURAL DRIVEWAYS AND GATE INDENT REQUIREMENTS

REV.
SHEET No. 1
No OF SHEETS 1
PLAN No. SD101

100mm AT FULL SIZE (A1)

Plotted By: grantc Plot Date: 14/08/14 - 15:06 Cad File: R:\ASSET_PLANNING\Design_Invest\ACad\Stddwgs\SD101 Rural Driveway.dwg Layout Tab: SD101