

HIGH SIDE

LOW SIDE

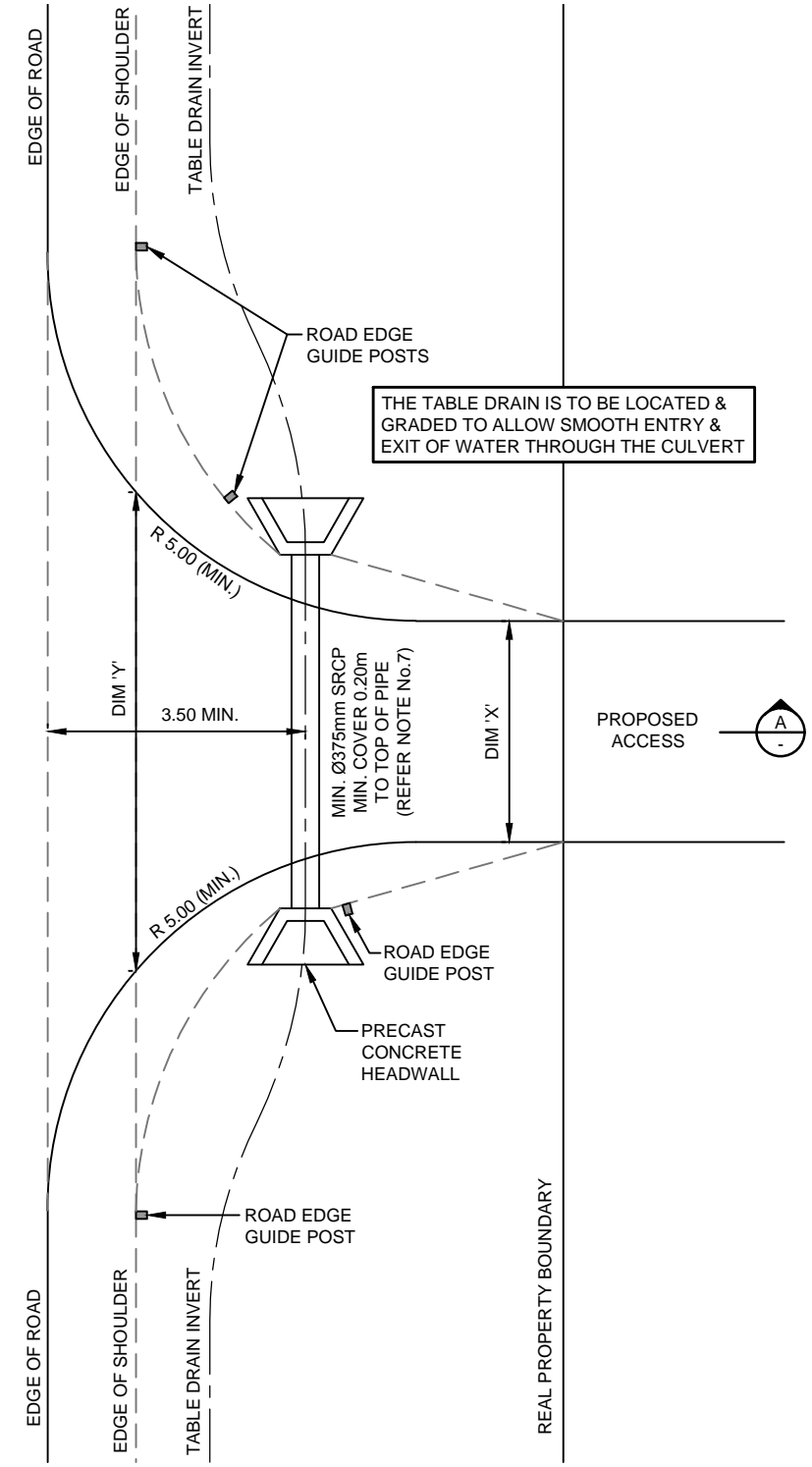
SECTION A
NOT TO SCALE

KEY: * - GRADE VARIES
- GRADE TO BE DETERMINED BASED ON MAXIMUM ALGEBRAIC CHANGE OF GRADE OF 12.5% AT ALL CHANGES OF GRADE

NOTES:

1. A DRIVEWAY GRADIENT OF 1:6 IS CURRENTLY CONSIDERED TO PROVIDE SUITABLE ACCESS TO A LEVEL CARPARKING SPACE, CARPORT OR GARAGE. COUNCIL MAY ACCEPT A STEEPER GRADIENT TO A MAXIMUM OF 1:4 FOR HOUSES SITUATED ON VERY STEEP SITES. HOWEVER, IF THE DRIVEWAY IS TO BE USED FOR CAR PARKING, A GRADIENT OF NO MORE THAN 1:10 IS APPROPRIATE.
2. TRANSITION CURVES MAY BE REQUIRED AT THE TOP & BOTTOM OF STEEP SECTIONS OF DRIVEWAYS TO MAINTAIN UNDER-BODY CLEARANCES. WHERE THE ALGEBRAIC CHANGE OF GRADE EXCEEDS 12.5% DESIGNERS SHOULD CHECK CLEARANCES WITH A VEHICLE TEMPLATE FOR AN AUSTRALIAN STANDARD FAMILY CAR.
3. FOR NON-DOMESTIC DRIVEWAYS THE MAXIMUM DRIVEWAY GRADIENT IS TO BE 1:20 (5%) FROM THE PROPERTY LINE FOR THE FIRST 6000mm.
4. TWENTY FOUR (24) HOURS NOTICE TO THE ENGINEERING & OPERATIONS UNIT OF COUNCIL IS REQUIRED FOR INSPECTION OF GRADE, POSITION & WIDTH BEFORE SEALING.
5. DRIVEWAYS MUST BE PERPENDICULAR TO THE ROAD OR STREET UNLESS SPECIFICALLY APPROVED BY COUNCIL.
6. HEADWALLS SHALL BE 'HUMES' PRE-CAST CONCRETE (OR APPROVED EQUIVALENT) FOR RURAL LOCATIONS & GROUTED, STONE PITCHED HEADWALLS FOR URBAN ACCESS.
7. CULVERT PIPES SHALL BE SRCP CLASS 4, A MINIMUM OF 375mm DIAMETER, A MINIMUM OF 4.88m LONG WITH A MINIMUM GRADE OF 1%, UNLESS OTHERWISE APPROVED BY COUNCIL. PROVIDE ROCK, GROUTED ROCK OR CONCRETE PROTECTION TO TABLE DRAINS & OUTLETS WHERE PRONE TO SCOUR.
8. UNDER NO CIRCUMSTANCES MAY THE DRIVEWAY PROTRUDE BEYOND THE OUTER EDGE OF THE ROAD SHOULDER.
9. FOR BITUMEN SEALED ROADS, THE DRIVEWAY & THE SHOULDER SHALL BE SEALED WITH TWO COAT BITUMEN SEAL. FOR UNSEALED ROADS, THE DRIVEWAY MAY BE UNSEALED IF THE GRADIENT IS LESS THAN 10%. FOR GRADIENTS 10% OR GREATER, THE DRIVEWAY SHALL BE SEALED WITH TWO COAT BITUMEN SEAL.
10. DRIVEWAY CROSS-FALL SHALL BE ENGINEERED TO ENSURE THAT RUNOFF DOES NOT DISCHARGE ONTO OR ACROSS THE ROAD PAVEMENT.
11. MAINTENANCE OF DRIVEWAYS, INCLUDING THE PIPE CULVERT & HEADWALLS, REMAINS THE RESPONSIBILITY OF THE BENEFITING PROPERTY OWNER.

CENTRELINE ROAD



PLAN
NOT TO SCALE

TYPE OF DRIVEWAY	WIDTH 'X' (mm) AT BOUNDARY	WIDTH 'Y' (mm) AT SHOULDER	PAVEMENT THICKNESS
DWELLING	3000 MIN. 6000 MAX.	N/A	100mm BASE COURSE
* COMMERCIAL/ INDUSTRIAL	7000	13000	SITE SPECIFIC DESIGN REQUIRED

* THESE WIDTHS ARE INDICATIVE ONLY AND SUBJECT TO SITE SUITABILITY. DIFFERENT WIDTHS MAY BE SPECIFIED IN SECTION 138 APPROVALS.

ISSUE	AMENDMENT DETAILS	INITIALS	DATE
C	PLAN FORM, PLAN, SECTION 'A', NOTES & TABLE UPDATED	G.P.C.	09.2013
B	DRAWINGS ADOPTED FOR ISSUE TO PUBLIC	R.A.E.	05.2004
A	ORIGINAL ISSUE	R.A.E.	04.2004



DESIGN UNIT
COUNCIL OFFICES
TUMBULGUM ROAD,
MURWILLUMBAH,
NEW SOUTH WALES 2484
PHONE 02 6670 2400
FAX 02 6672 7513
WEBSITE www.tweed.nsw.gov.au

DESIGNER	<i>[Signature]</i> DATE 05.2004
DESIGN MANAGER	<i>[Signature]</i> DATE 05.2004
DRAWN	ENGINEERING & OPERATIONS DESIGN UNIT
SCALE	NOT TO SCALE

PROJECT:	ROAD WORKS STANDARDS
PLAN TITLE:	DRIVEWAY ACCESS TO PROPERTIES FRONTING UNKERBED ROADS

DRAWING NUMBER:	S.D.011
	SEPT 2013