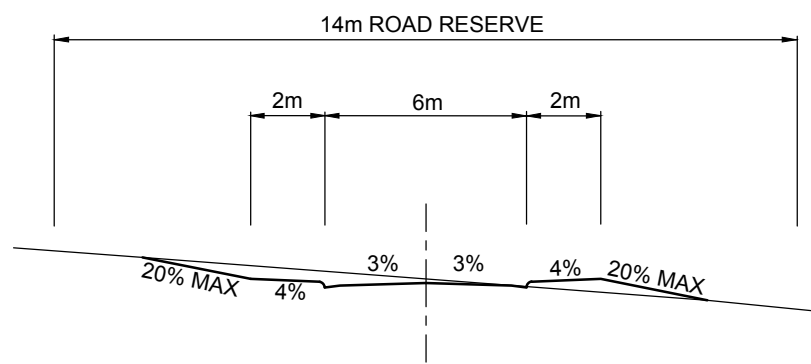
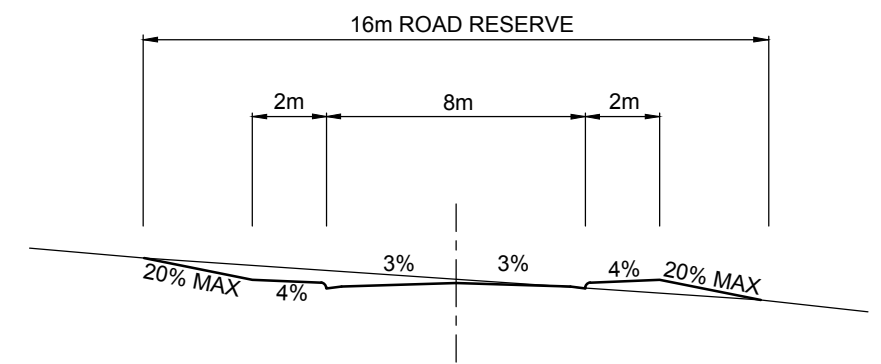


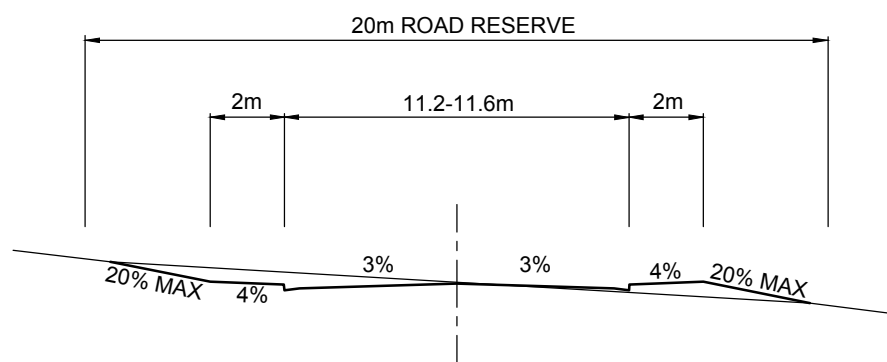
CLASS 1



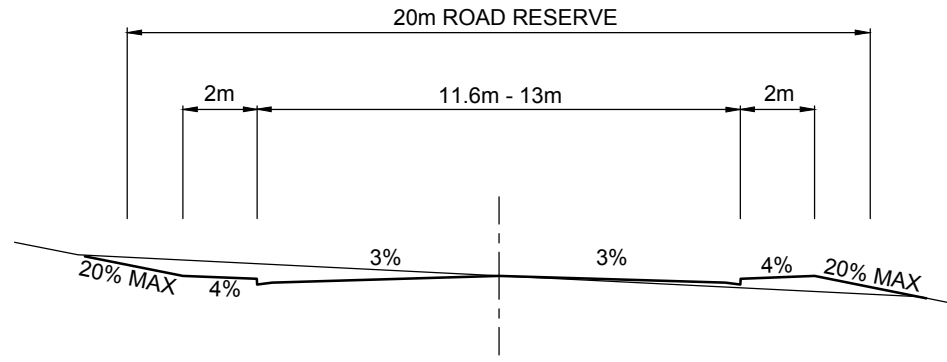
CLASS 2



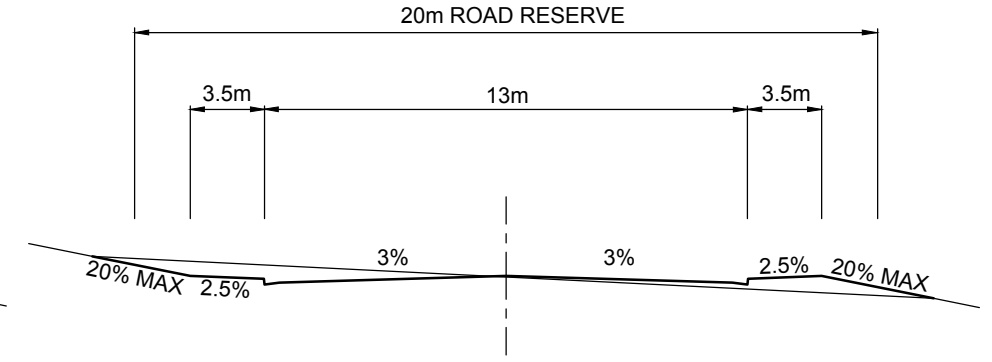
CLASS 3



CLASS 4



CLASS 5



CLASS 7

ROAD CLASS	DESCRIPTION	MAXIMUM NO. OF POTENTIAL TENEMENTS	VEHICLES / DAY	CARRIAGEWAY WIDTH (m) KERB FACE TO KERB FACE	DESIGN SPEED (km/h) DESIRABLE	MINIMUM PAVEMENT DESIGN TRAFFIC ESAs
CLASS 1	SHAREWAY	6ET	< 60	5	15	5 x 10 <sup>4</sup>
CLASS 2	ACCESS PLACE	30ET	61 - 300	6	25	7 x 10 <sup>4</sup>
CLASS 3	LOCAL STREET	75ET	300 - 750	8	40	5 x 10 <sup>5</sup>
CLASS 4	LOCAL COLLECTOR	300ET	751 - 3000	11.2 / 11.6 (1)	50	1 x 10 <sup>6</sup>
CLASS 5	MAJOR DISTRIBUTOR	-	3001 - 10000	11.6 / 13 (2)	50	2 x 10 <sup>6</sup>
CLASS 6	ARTERIAL	-	> 10000	13	80	1 x 10 <sup>7</sup>
CLASS 7	COMMERCIAL	-	-	13	40	5 x 10 <sup>6</sup>
CLASS 8	INDUSTRIAL	-	-	13	50	5 x 10 <sup>6</sup> (LIGHT) 5 x 10 <sup>7</sup> (HEAVY)

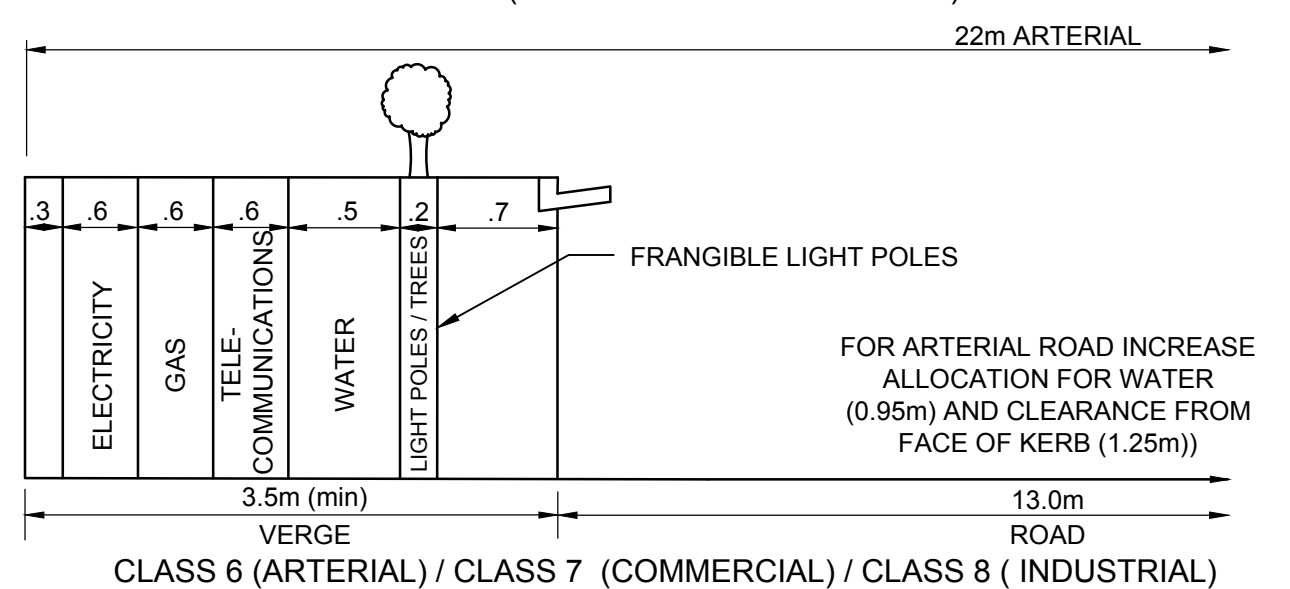
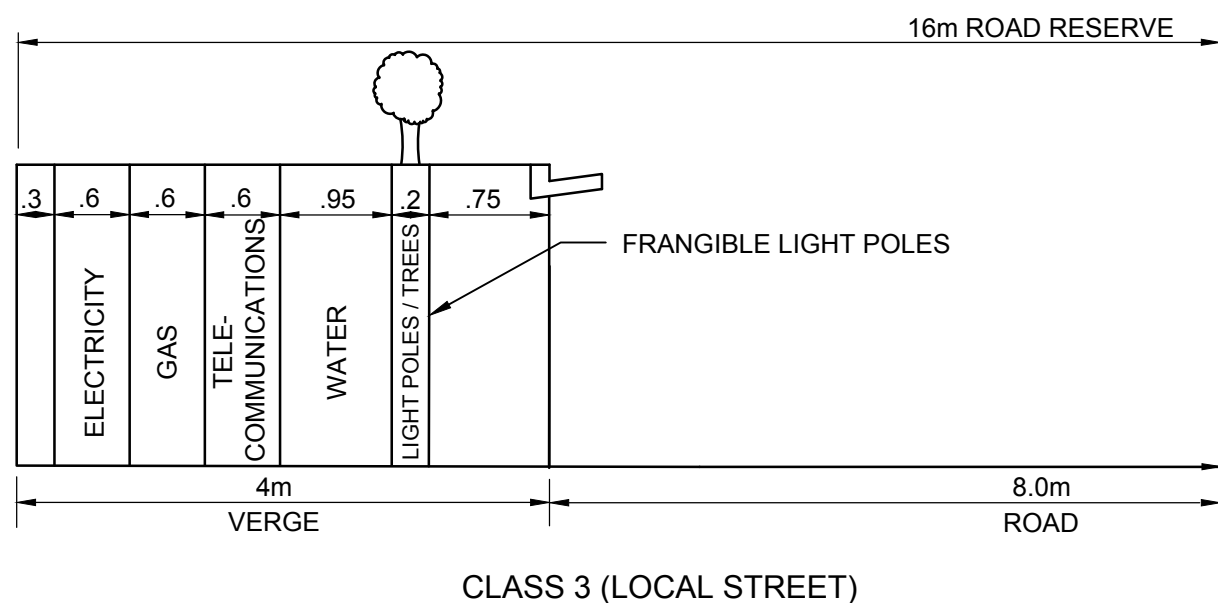
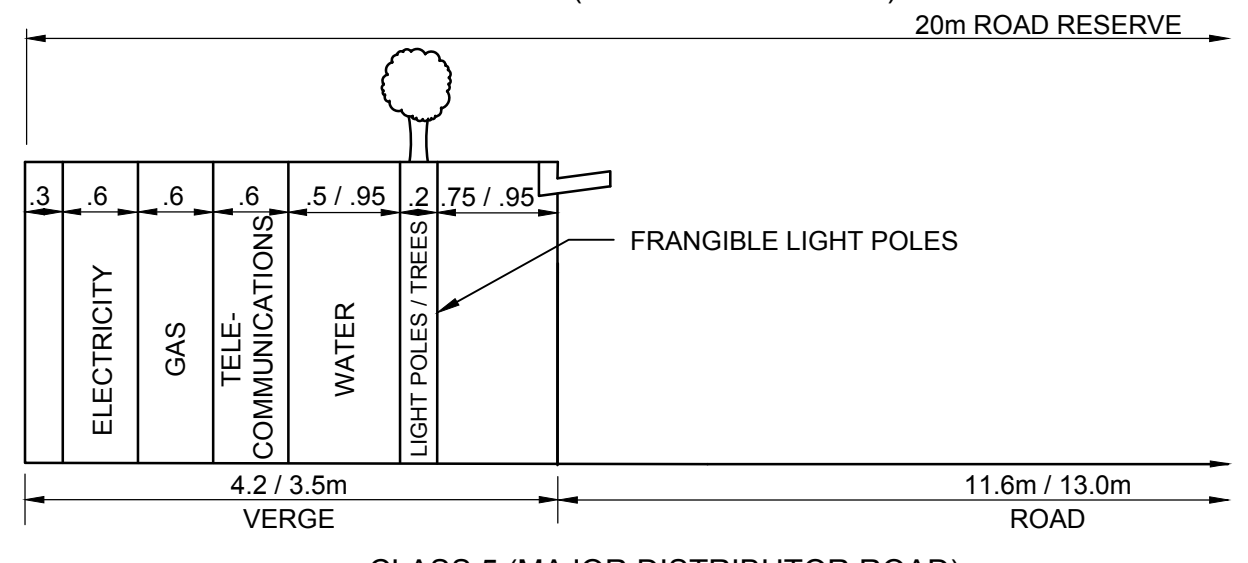
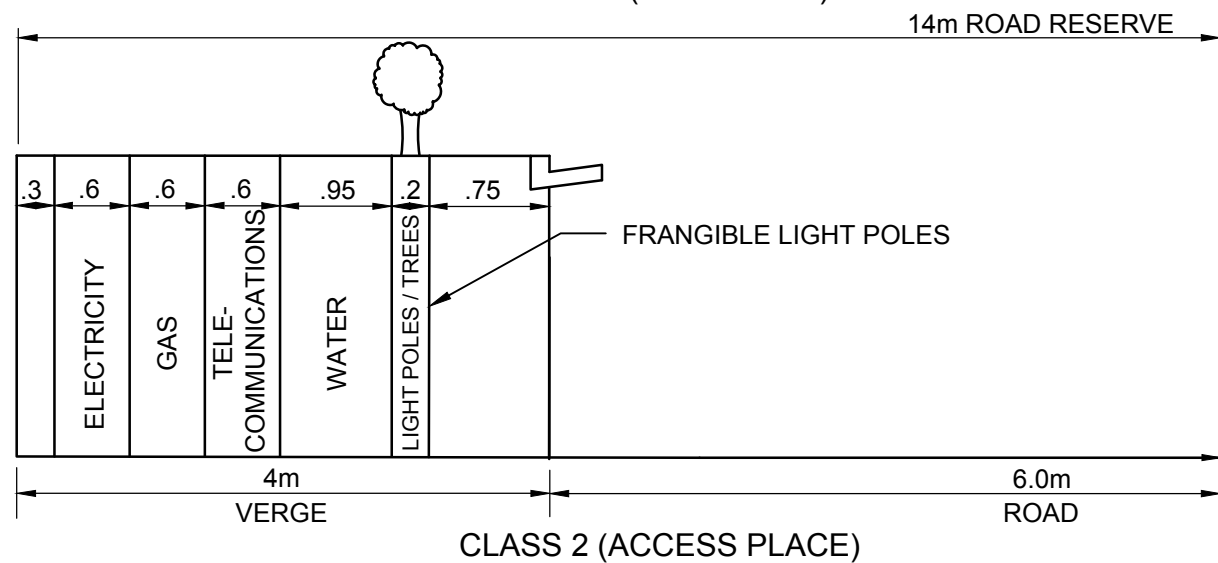
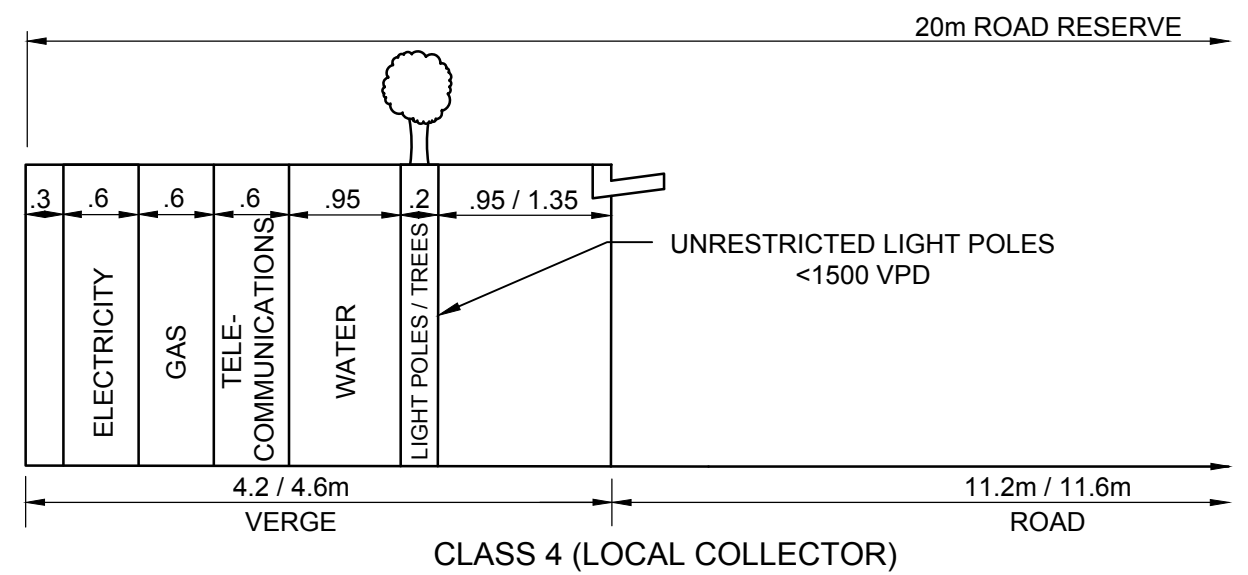
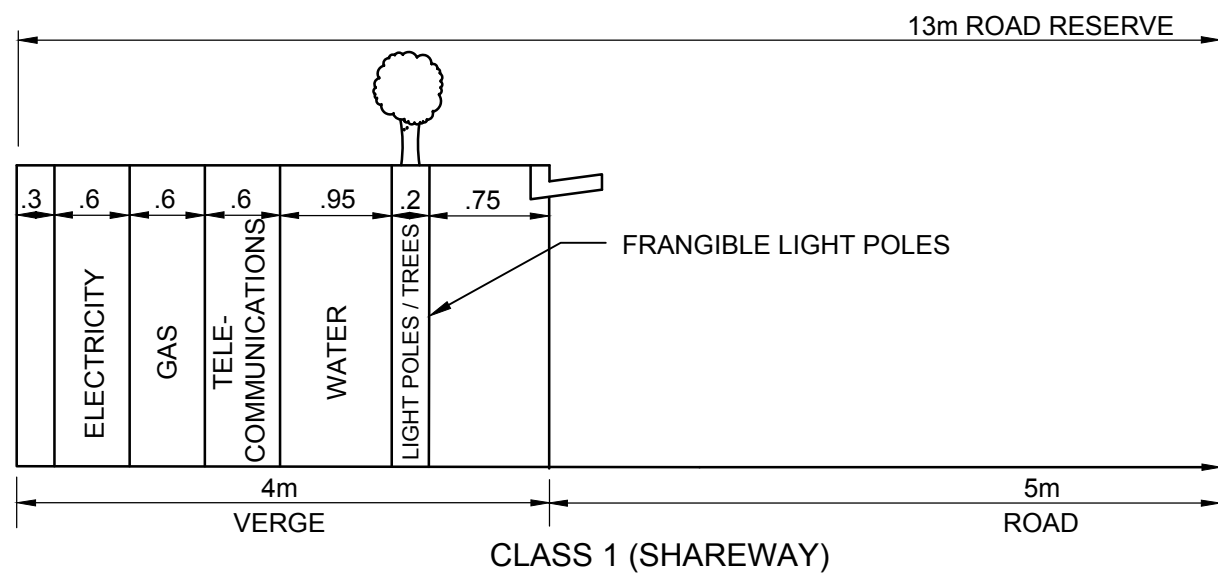
(1) ADOPT 11.6m FOR THROUGH ROADS AND BUS ROUTES

(2) ADOPT 13m FOR HIGHER TRAFFICKED ROADS AND COMMERCIAL TRAFFIC ROUTES

NOTES

1. POSITION OF CARRIAGEWAY CROWN MAY BE DETERMINED BY SITE AND DESIGN REQUIREMENTS.
2. DESIGN CRITERIA ARE TYPICAL, INDIVIDUAL SITE ASSESSMENT SHOULD BE UNDERTAKEN.

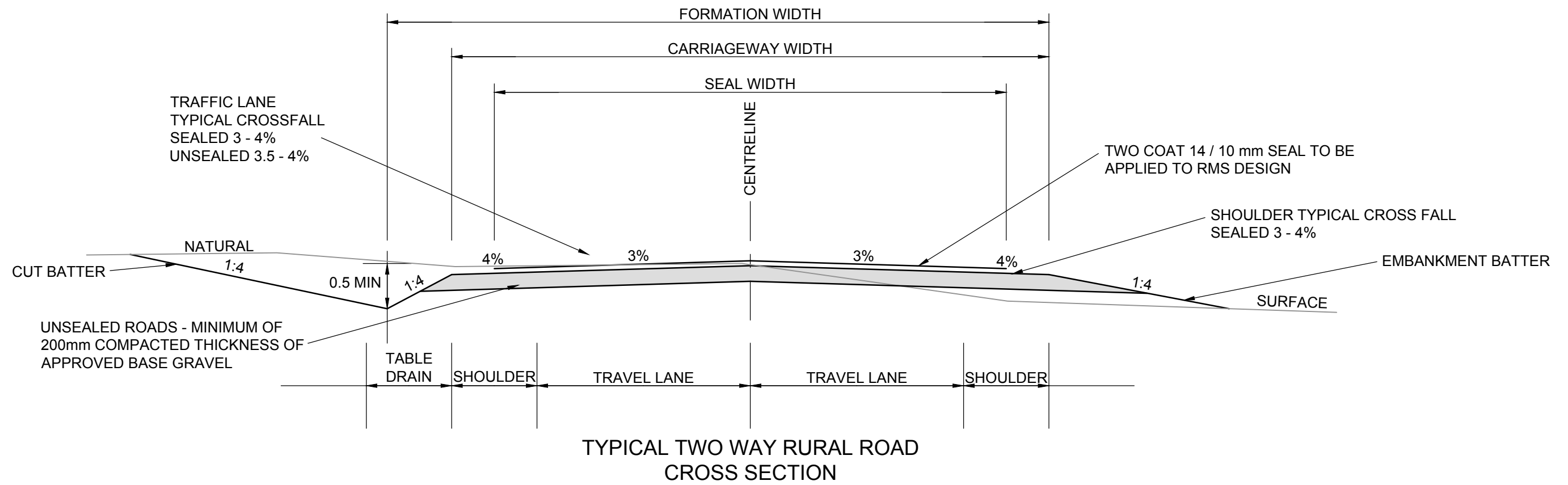
<b>Armidale</b> Dept of Public Regional Council Infrastructure	SCALES	APPROVED	D. MAUNDER	10/11/2016	SHEET 1 OF 1
	NTS	MANAGER ENGINEERING AND STANDARDS SUPPORT		DATE	
<b>TYPICAL STANDARD URBAN ROAD DESIGN DETAILS</b>		SURV	AS SHEET SIZE	DRAWING No	AMDT No
		DRWN PD	A3	030-062	
		DES			
		CHKD MW	CADFILE 030-062.dwg	DATE 10/11/2016	



NOTES

1. SEWER TO BE GENERALLY LOCATED INSIDE PROPERTY BOUNDARY
2. STORM WATER TO BE LOCATED BEHIND, UNDER OR IN FRONT OF KERB AS SITE REQUIREMENTS DICTATE

<b>Armidale</b> Dept of Public Regional Council <b>Infrastructure</b>	SCALES	APPROVED	D. MAUNDER	10/11/2016	SHEET 1 OF 1
	NTS	MANAGER ENGINEERING AND STANDARDS SUPPORT		DATE	
<b>PUBLIC UTILITIES ALLOCATION SPACE ON VERGE</b>	SURV	AS SHEET SIZE	DRAWING No	AMDT No	
	DRWN PD	A3	030-063		
	DES				
	CHKD MW	CADFILE 030-063.dwg	DATE 10/11/2016		



TYPICAL TWO WAY RURAL ROAD CROSS SECTION

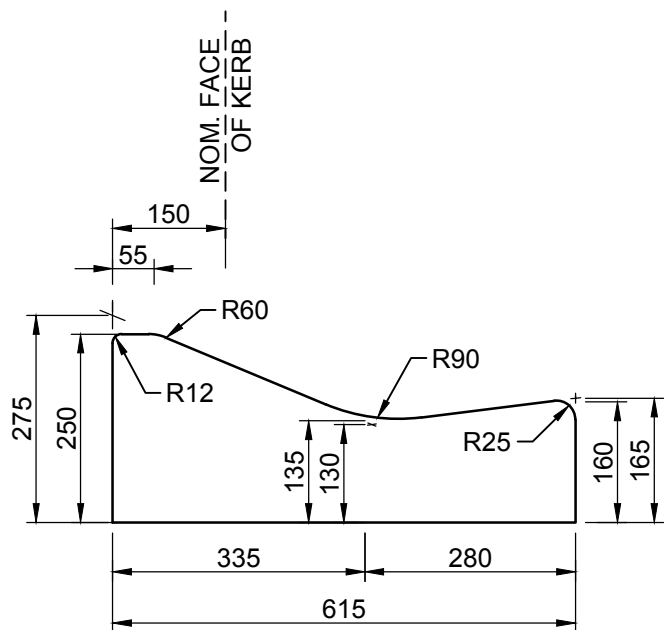
NOTES:

1. DRAINAGE STRUCTURES TO BE DESIGNED IN ACCORDANCE WITH AUSTROADS STANDARDS AND AUSTRALIAN RAINFALL AND RUNOFF. REFER TO ENGINEERING CODE FOR ARI REQUIREMENTS FOR SAID STRUCTURES.
2. MINIMUM CULVERT SIZE Ø375mm. CULVERT PIPE CLASS TO BE SELECTED BASED ON DESIGN LOADS TYPICALLY (CLASS 3). HEADWALLS SHALL BE PLACED AT BOTH INLET AND OUTLET WITH APPROPRIATE SCOUR PROTECTION.
3. INTERSECTIONS ARE TO BE DESIGNED IN ACCORDANCE WITH AUSTROADS STANDARDS INCLUDING SIGHT DISTANCE, SIGNAGE AND GUIDEPOSTS.
4. AT THE END OF THE ROAD, A TURNING AREA WITH A MINIMUM RADIUS OF 10.0m SHALL BE PROVIDED. THE END OF THE ROAD SHALL BE CLEARLY INDICATED BY ERECTING SIGHTING SCREENS, GUIDE POSTS AND ADVANCE WARNINGS WHERE APPROPRIATE.
5. PRIOR TO ROAD CONSTRUCTION COMMENCING, ROAD PLANS MUST BE SUBMITTED TO AND APPROVED BY COUNCIL.
6. ROAD BATTERS ARE TO BE TYPICALLY 1:4 TO REDUCE SAFETY RISKS, EROSION AND FOR EASE OF MAINTENANCE. BATTERS GREATER THAN 1:4 ARE PERMITTED WHERE THERE ARE TERRAIN OR BOUNDARY CONSTRAINTS.
7. TABLE DRAIN INVERTS TO BE THE LOWER OF PAVEMENT SUBGRADE OR 500mm BELOW FINISHED ROAD SURFACE.

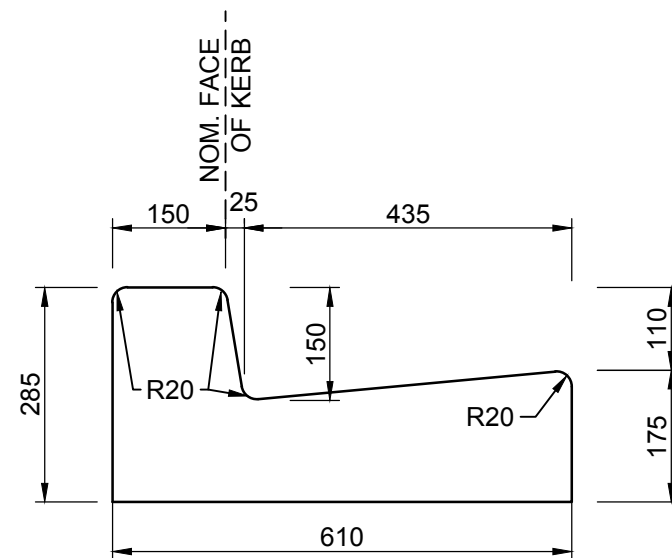
ROAD CLASS	RURAL ACCESS LANE	RURAL ACCESS MINOR / PRIMARY PRODUCTION, SMALL LOTS	RURAL ACCESS MAJOR / PRIMARY PRODUCTION, SMALL LOTS	RURAL COLLECTOR, MINOR	RURAL COLLECTOR, MAJOR	MAJOR DISTRIBUTOR	RURAL VILLAGE	PRIMARY PRODUCTION
VEHICLES / DAY	< 10	10 - 99	100 - 149	150 - 999	1000 - 7999	> 8000	-	-
CARRIAGEWAY WIDTH	6.5m	7.5m	7.5m	8.0m	9.0m	11.0m	6.0m	7.5m
SEAL WIDTH	5.5m	6.0m	7.5m	8.0m	9.0m	11.0m	7.0m	6.0m
SHOULDER WIDTH	-	0.75m	0.75m	0.5m	1.0m	2.0m	1.0m	0.75m
DESIRABLE SPEED ENVIRONMENT (km / h)	60	80	100	100	100	100	50	100
DESIGN SPEED FOR INDIVIDUAL ELEMENTS (MIN) (km/h)	60	80	80	80	80	100	40	80

CHARACTERISTICS OF ROADS IN RURAL AREAS

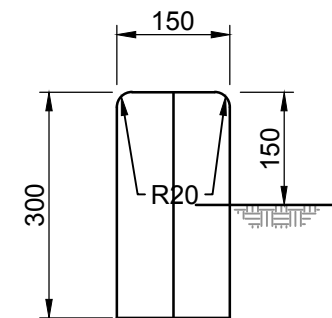
<b>Armidale</b> <i>Dept of Public Infrastructure</i> Regional Council	SCALES	APPROVED	D. MAUNDER	10/11/2016	SHEET 1 OF 1
	NTS	MANAGER ENGINEERING AND STANDARDS SUPPORT		DATE	
<b>TYPICAL RURAL ROAD STANDARD</b>		SURV	AS SHEET SIZE	DRAWING No	AMDT No
		DRWN	TY/ST	030-064	
		DES			
		CHKD	MW	CADFILE 030-064.dwg	DATE 10/11/2016



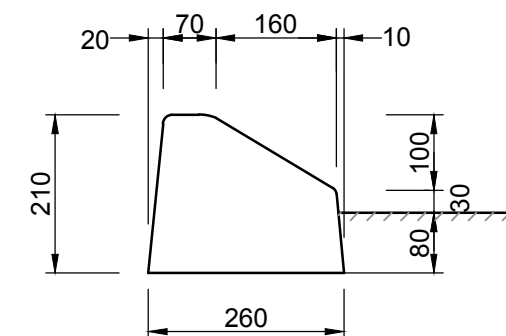
**MOUNTABLE KERB AND GUTTER**  
SECTIONAL AREA 0.107m<sup>2</sup>



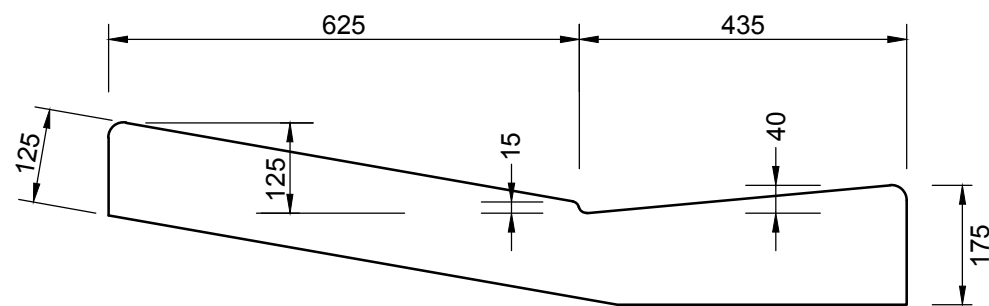
**STANDARD BARRIER KERB AND GUTTER**  
SECTIONAL AREA 0.115m<sup>2</sup>



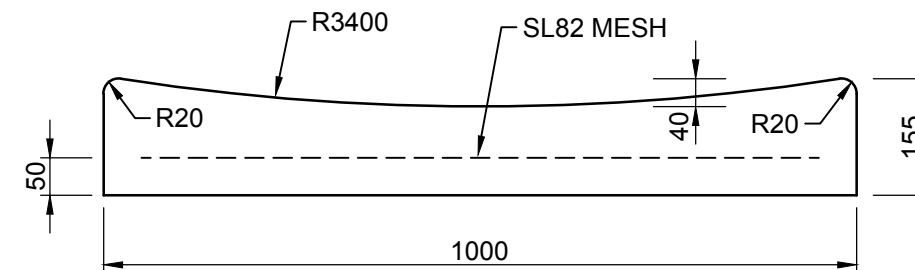
**KERB ONLY**  
SECTIONAL AREA 0.045m<sup>2</sup>



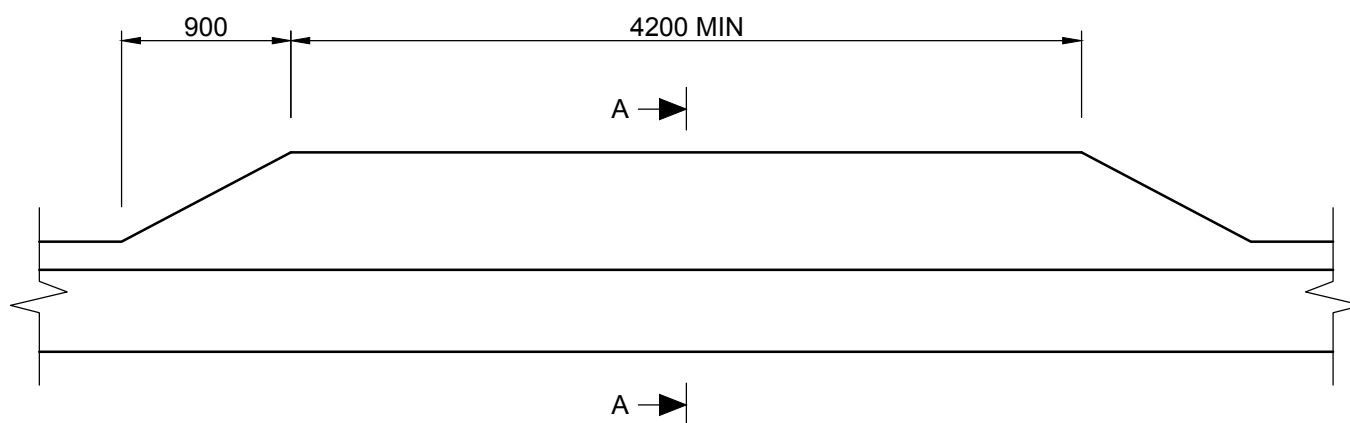
**RAISED MEDIANS AND TRAFFIC ISLANDS  
SF KERB**  
SECTIONAL AREA 0.043m<sup>2</sup>



**SECTION A-A**  
SECTIONAL AREA 0.142m<sup>2</sup>



**STANDARD DISH CROSSING**  
SECTIONAL AREA 0.136m<sup>2</sup>

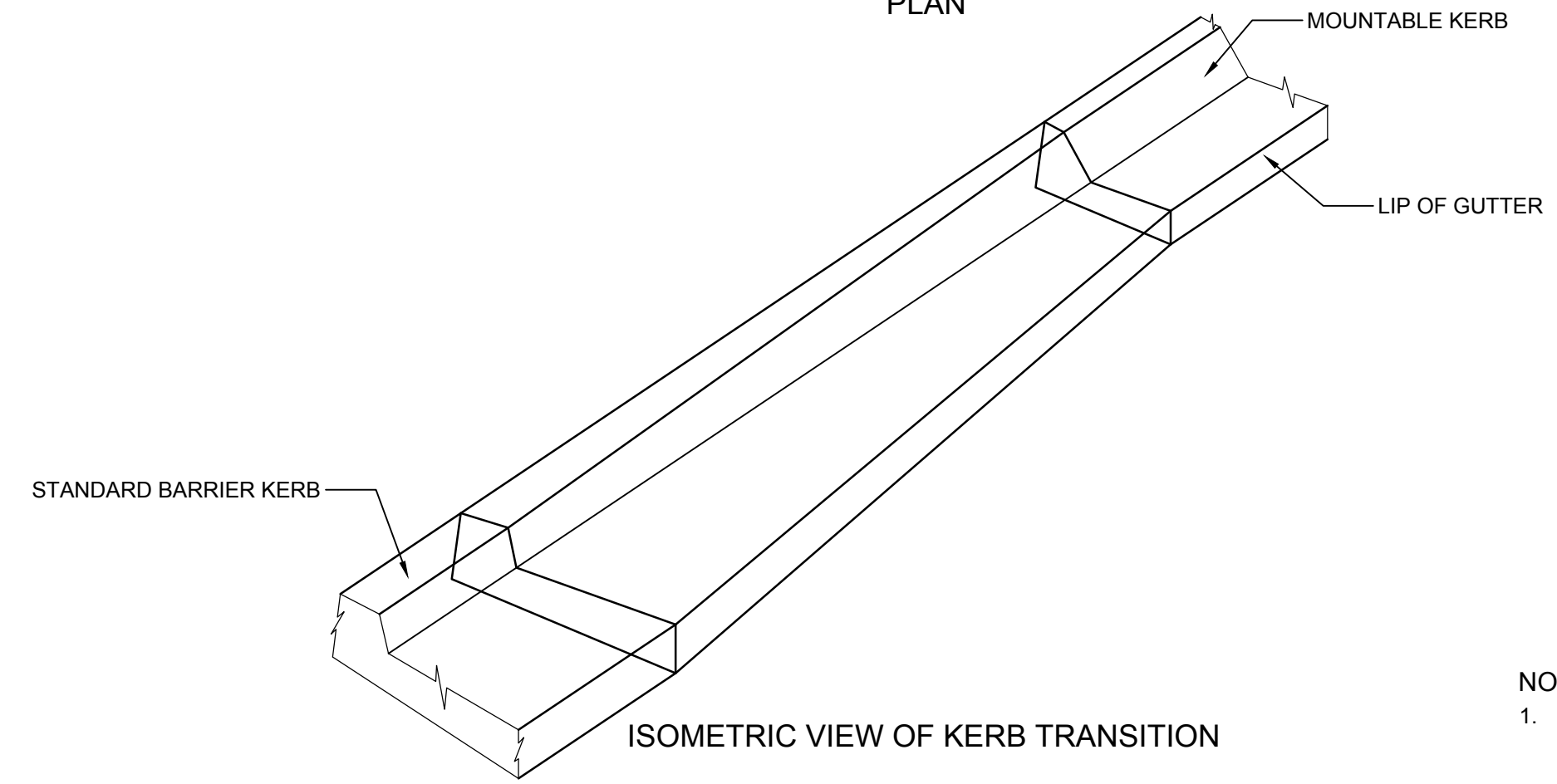
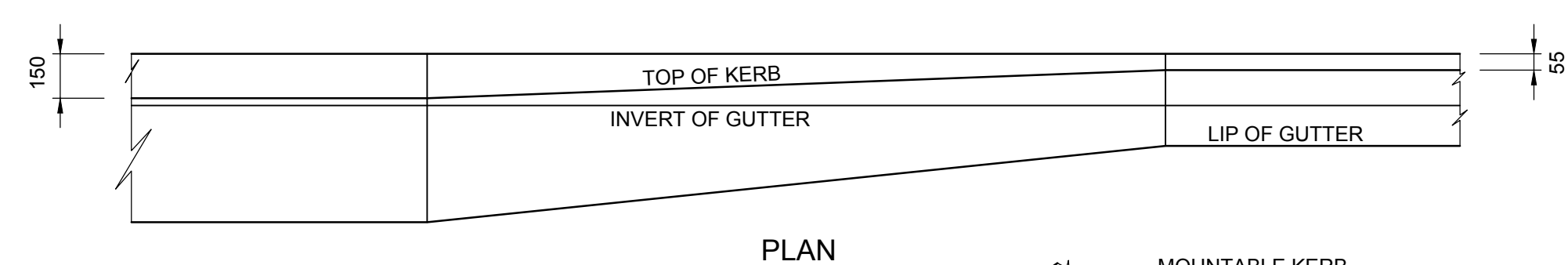
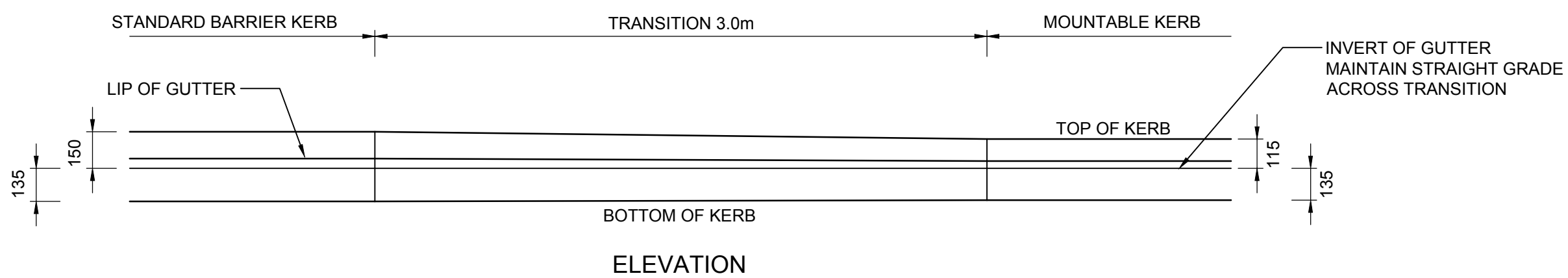


**STANDARD KERB LAYBACK FOR VEHICULAR ENTRANCE**

**NOTE**

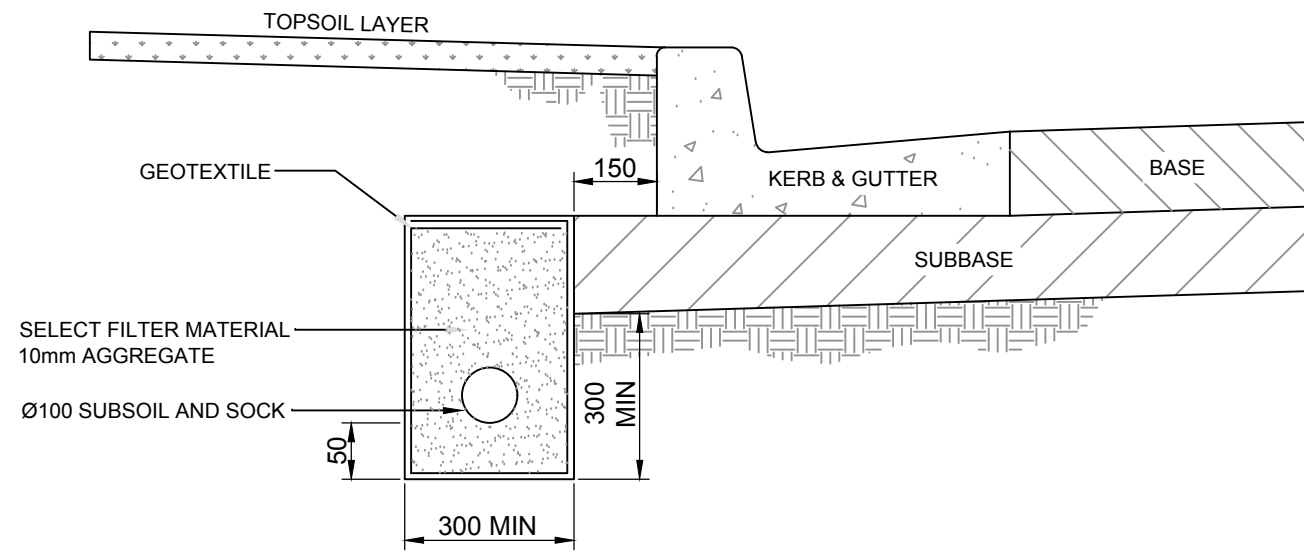
1. ALL MEASUREMENTS ARE IN MILLIMETERS.

<b>Armidale</b> Dept of Public Regional Council <b>Infrastructure</b>	SCALES	APPROVED	M.WILSON	7/08/2017	SHEET 1 OF 1
	NTS	PROGRAM LEADER INVESTIGATION AND DESIGN		DATE	
<b>STANDARD FOR KERB &amp; GUTTER, VEHICULAR AND DISH CROSSINGS</b>	SURV	AS SHEET SIZE	DRAWING No		AMDT No
	DRWN VC/ST	<b>A3</b>	030-065		A
	DES		CADFILE 030-065A.dwg		DATE 7/08/2016
	CHKD MW				

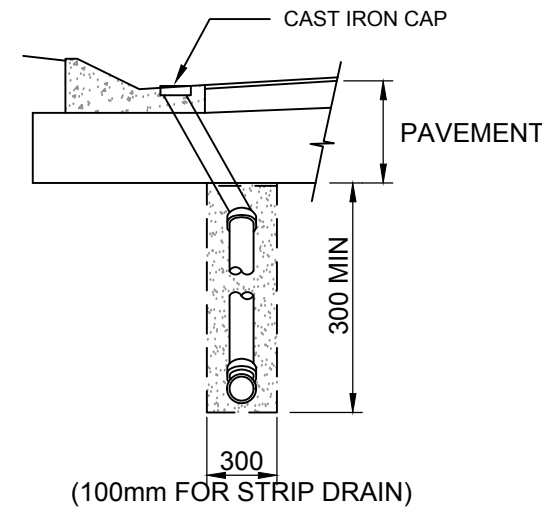


NOTE  
1. ALL MEASUREMENTS ARE IN MILLIMETERS.

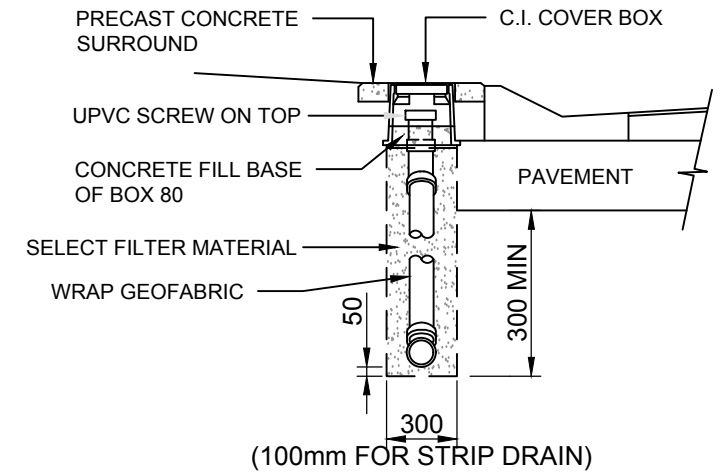
<b>Armidale</b> <i>Dept of Public Infrastructure</i> Regional Council	SCALES NTS	APPROVED M.WILSON PROGRAM LEADER INVESTIGATION AND DESIGN	7/08/2017 DATE	SHEET 1 OF 1
	SURV DRWN VC/ST DES CHKD MW	AS SHEET SIZE <b>A3</b>	DRAWING No <b>030-066</b>	AMDT No <b>A</b>
KERB TRANSITION - STANDARD BARRIER KERB TO MOUNTABLE KERB		CADFILE 030-066A.dwg		DATE 7/08/2016



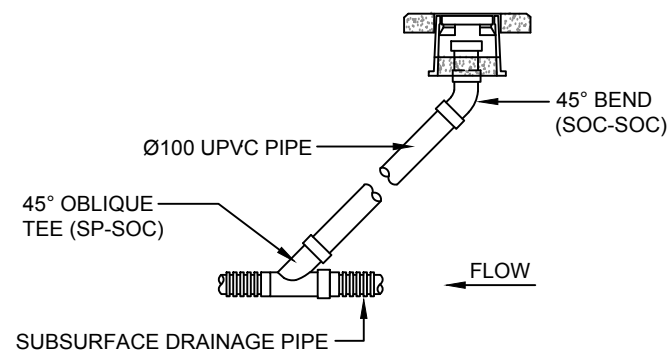
TYPICAL SECTION DETAIL OF SUBSOIL DRAIN



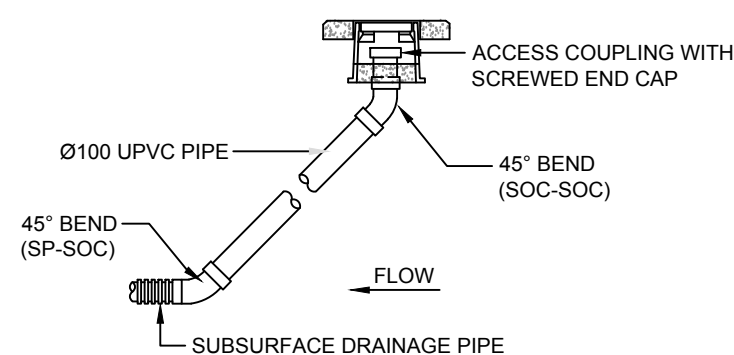
ALT. DETAIL  
PAVEMENT REHABILITATION



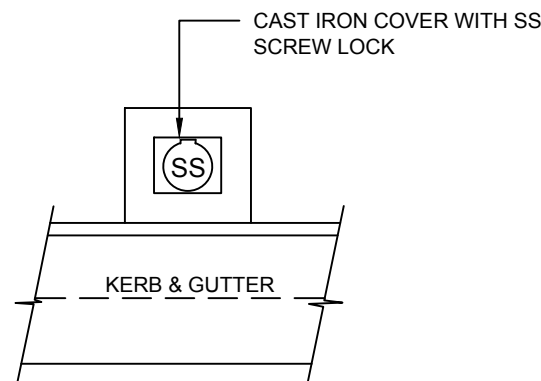
TRENCH DETAILS



FLUSHING POINT ON LINE



FLUSHING POINT HEAD OF LINE

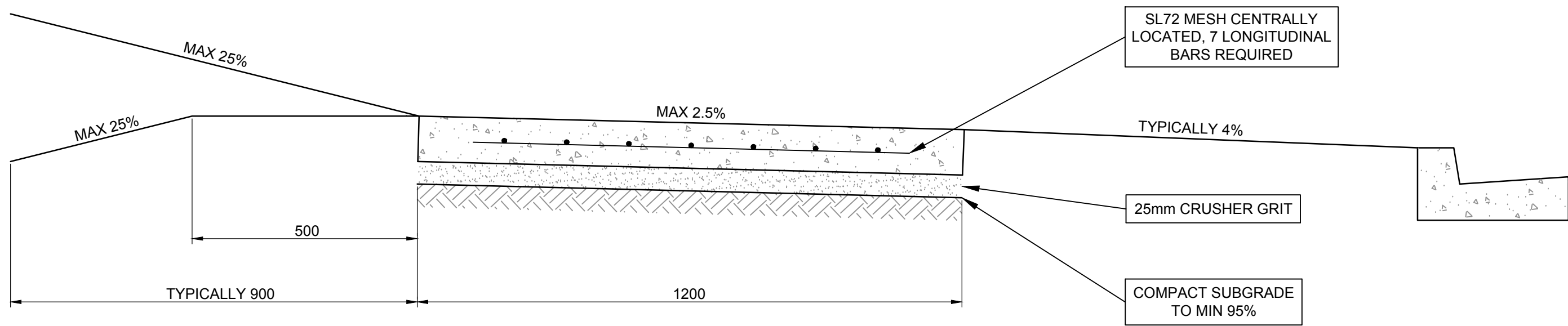


PLAN

NOTES

1. PROVIDE FLUSHING POINTS AT MAX 60m CENTRES.
2. SELECT FILTER MATERIAL SHALL MEET THE REQUIREMENTS OF TYPE A FILTER MATERIAL, Aus-Spec #1 C230.12.
3. ALL FILTER MATERIAL SHALL BE GEOTEXTILE WRAPPED, NON WOVEN GEOTEXTILE OF STRENGTH CLASS A.
4. SUBSOIL DRAINAGE PIPE SHALL BE SLOTTED UPVC OR PERFORATED, RIBBED HDPE TO AS2439.1.
5. MINIMUM LONGITUDINAL GRADES FOR PIPES SHALL BE: RIBBED HDPE PIPE - 1.5%, SLOTTED UPVC PIPE - 1%, 450mm STRIP DRAIN - 0.5%.
6. UPVC PIPE AND FITTINGS SHALL BE MIN CLASS 12.
7. ROAD CROSSINGS TO BE SEWER HEAVY GRADE UPVC PIPE.
8. (a). TRENCH BACKFILL FILTER MEDIA IS TO BE WRAPPED WITH FILTER FABRIC BLANKET. LONGITUDINAL LAPPING OF THE FABRIC IS TO BE 500mm MINIMUM WITH UPSTREAM SHEET PLACED OVER DOWNSTREAM SHEET.  
(b). FILTER MEDIA IS TO BE MECHANICALLY COMPACTED IN LAYERS NOT EXCEEDING 300mm WITH CARE TO BE TAKEN TO AVOID DAMAGE TO THE FILTER FABRIC BLANKET AND SOCK AND THE PERFORATED DRAINAGE PIPE.
9. SUBSOIL DRAINAGE PIPELINES WILL NORMALLY OUTFALL INTO A STORMWATER DRAINAGE PIT. OTHER FORMS OF OUTFALL SHOULD HAVE APPROPRIATE MEASURES TAKEN TO PREVENT BLOCKAGE, EROSION AND INFESTATION OF VERMIN.
10. WHEN INSTALLING GEOTEXTILE, DO NOT ALLOW LOOSE MATERIAL FROM TRENCH WALLS OR OUTSIDE THE TRENCH TO ENTER THE EXCAVATION. KEEP ALL GEOTEXTILES CLEAN, AND SECURE THE GEOTEXTILE TO ENSURE THAT THEY ARE LOCATED AS SHOWN ON THE DRAWINGS ON COMPLETION OF BACKFILLING.
11. REFER TO RMS R33 SPECIFICATION FOR ALTERNATE OPTIONS.

<b>Armidale</b> <i>Dept of Public Infrastructure</i> Regional Council	SCALES NTS	APPROVED D. MAUNDER 10/11/2016 <small>MANAGER ENGINEERING AND STANDARDS SUPPORT</small>	DATE	SHEET 1 OF 1
		SURV DRWN VC DES CHKD MW	AS SHEET SIZE <b>A3</b>	DRAWING No <b>030-067</b>
<b>STANDARD SUBSOIL DRAINAGE DETAILS</b>		CADFILE 030-067.dwg		DATE 10/11/2016



FOOTPATH SECTIONAL ELEVATION

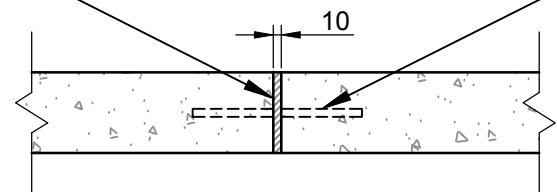
10mm THICK COMPRESSED FILLER, FULL DEPTH CROSS LINKED POLYETHYLENE FOAM OR COMPRESSED GRANULATED CORK BOARD

Ø 12 GAL DOWELS, GREASE WRAP ONE END OR BOND BREAKING AGENT AND CAP 600 LONG AT 300CC

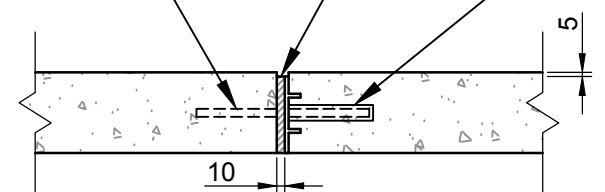
TOP OF GALVANIZED METAL JOINT WITH EXPANSION MATERIAL TO BE SET 5mm BELOW FSL OF PATH

Ø 12 GAL. DOWELS 600 LONG 300 CC

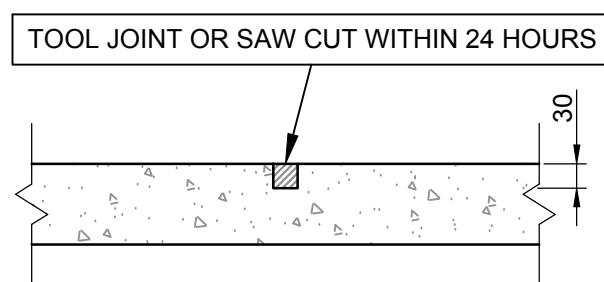
DOWEL SLEEVE



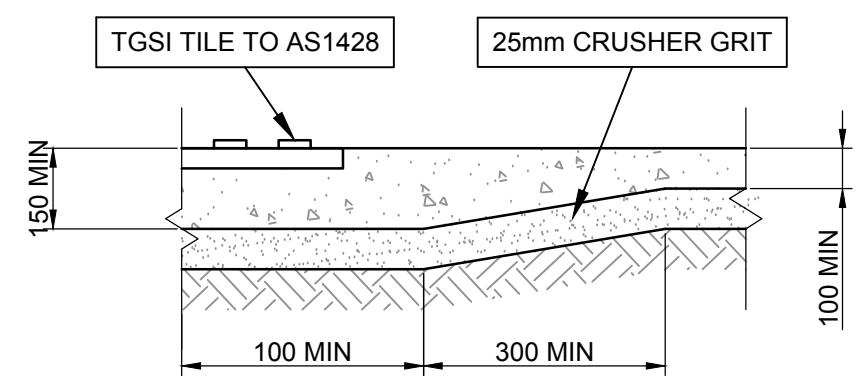
EXPANSION JOINT



EXPANSION JOINT METAL FORMS



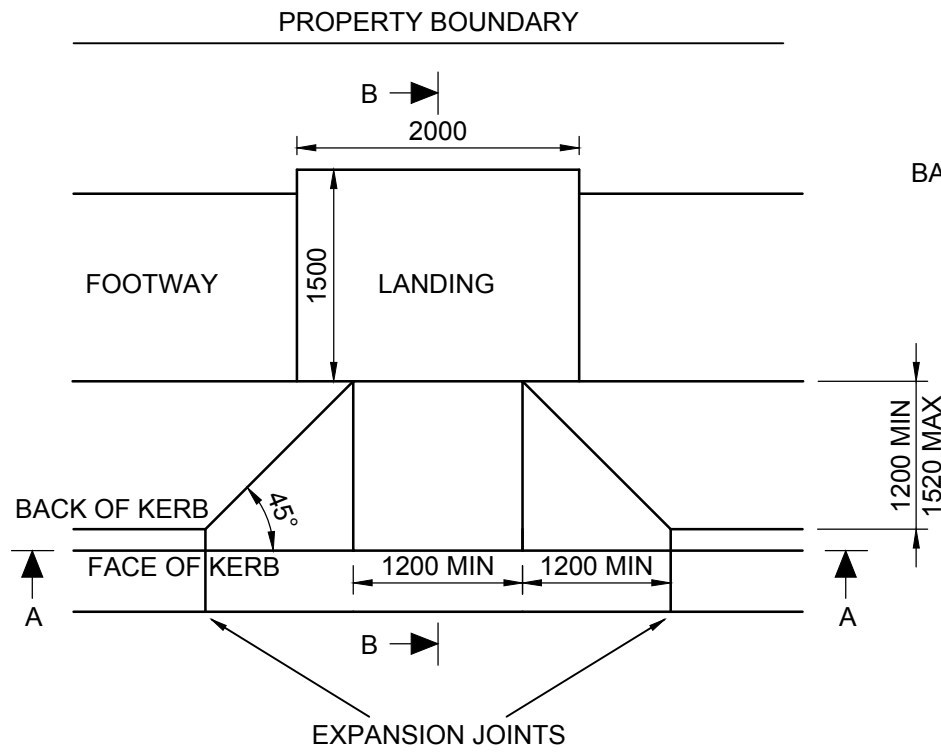
CONTRACTION CONTROL JOINT



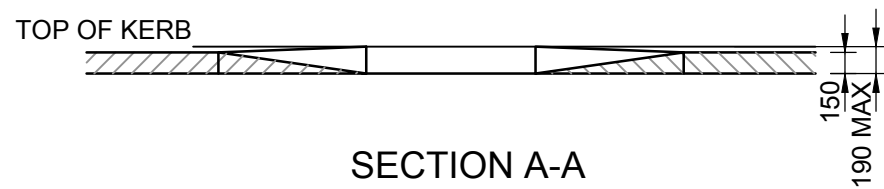
LOCALISED THICKENING UNDER TGSI

- NOTES**
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED
  2. PATH CROSSFALL SHALL BE MAX 2.5%
  3. TGSI PLACEMENT TO BE IN ACCORDANCE WITH AS1428
  4. REFER TO AS1428.2 FOR GRADIENTS OF RAMPS AND LANDINGS AND ARC STD. DWG FOR KERB RAMPS
  5. CONCRETE TO BE MIN N20 TO AS3600, 20mm AGGREGATE SIZE WITH AN 80mm SLUMP, F72 MESH WITH 7 LONGITUDINAL BARS IN WIDTH OF PATH
  6. PROVIDE EXPANSION JOINTS AT MAX 6m CENTRES (EVERY 5TH JOINT)
  7. PROVIDE CONTRACTION JOINTS AT 1.2m CENTRES
  8. PROVIDE EXPANSION JOINTS AT CONNECTIONS TO KERBS AND STRUCTURES
  9. STEEL CONSTRUCTION JOINTS ARE PERMITTED WITH EXPANSION FOAM ONLY
  10. PATH SURFACE SHALL BE NON SLIP BROOM FINISHED, ALL EDGES ARE TO BE TOOLED TO ROUND EDGES
  11. MAKE SMOOTH CONNECTION TO EXISTING PATHS, MAX STEP +3mm ABOVE, -0mm BELOW EXISTING.
  12. PROVIDE EXPANSION JOINTS BOTH SIDES OF VEHICLE CROSSING
  13. FOR VEHICLE CROSSINGS REFER TO RELEVANT ARC STANDARD DRAWING
  14. INTERMEDIATE PANNELS ARE TO BE DOWELLED INTO ADJOINING CONCRETE (12mm GAL PLAIN STEEL BAR AT 300mm CENTRES).
  15. CLEARANCE FROM OBSTRUCTION TO PATH SHALL BE 0.2m
  16. TO ENSURE EFFECTIVE CURING OF PATH BEFORE EXPOSING TO TRAFFIC LOAD, IT SHALL BE COVERED FOR 7 DAYS. WHERE THIS IS NOT PRACTICAL A MINIMUM OF 48 HOURS SHOULD BE ACHIEVED.
  17. THE ADJACENT FOOTPATH IS TO BE TO DRESSED WITH GOOD QUALITY TOP SOIL FLUSH WITH CONCRETE PATH. DISTURBED GROUND SHOULD BE SEEDED WITH THE ARMIDALE REGIONAL COUNCIL BLEND TO PROMOTE GRASS GROWTH AND ALL ROCKS REMOVED

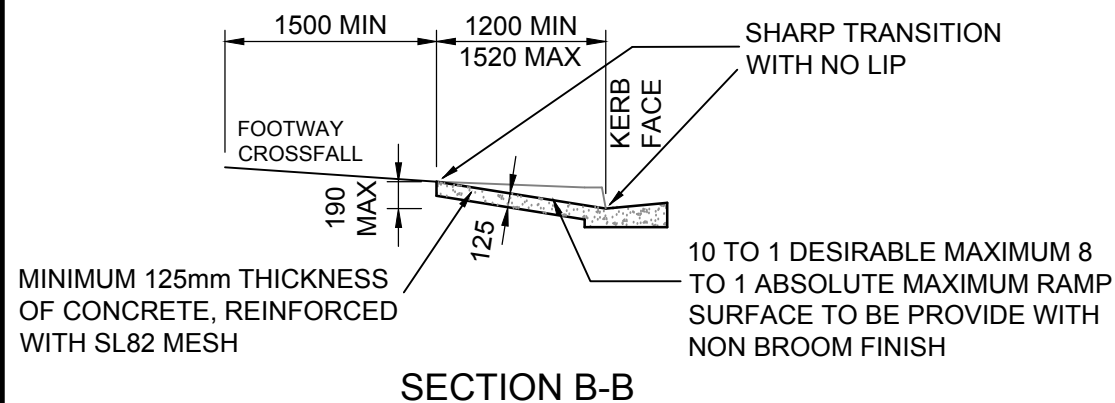
<b>Armidale</b> Dept of Public Regional Council <b>Infrastructure</b>	SCALES	APPROVED	D. MAUNDER	10/11/2016	SHEET 1 OF 1
	NTS	MANAGER ENGINEERING AND STANDARDS SUPPORT		DATE	
<b>STANDARD CONCRETE FOOTPATH DETAILS</b>	SURV	AS SHEET SIZE	DRAWING No	AMDT No	030-068
	DRWN	A3			
	DES				
	CHKD	CADFILE 030-068dwg	DATE 10/11/2016		



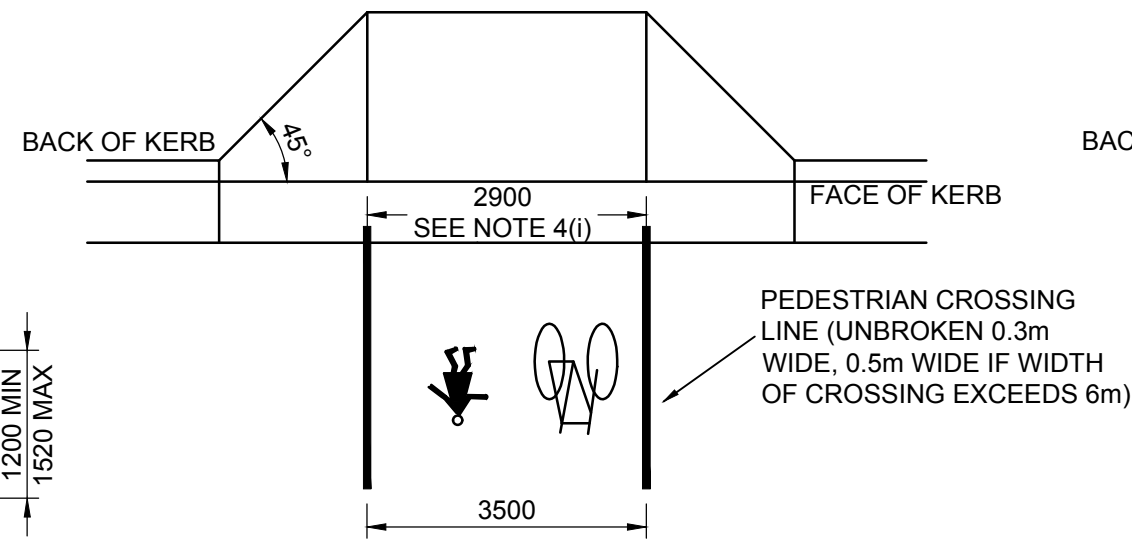
PLAN A  
KERB RAMP DETAIL



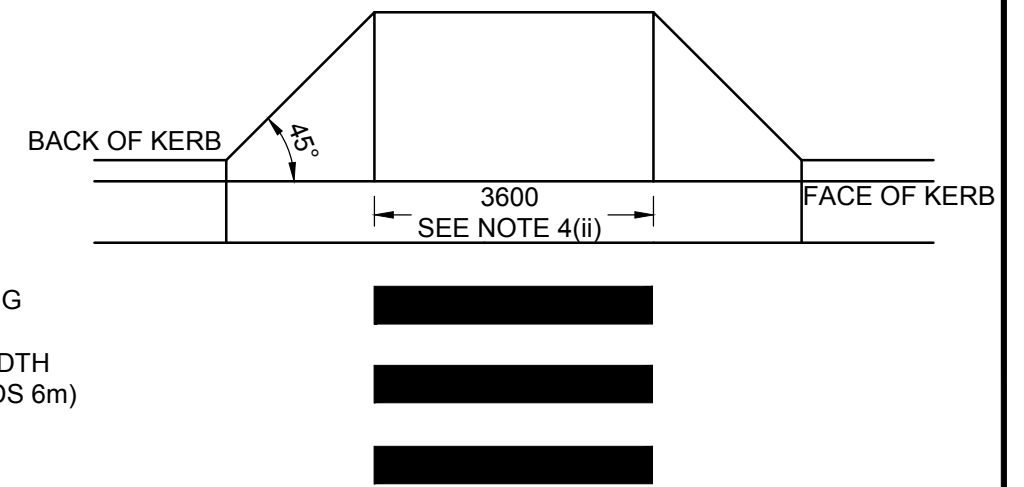
SECTION A-A



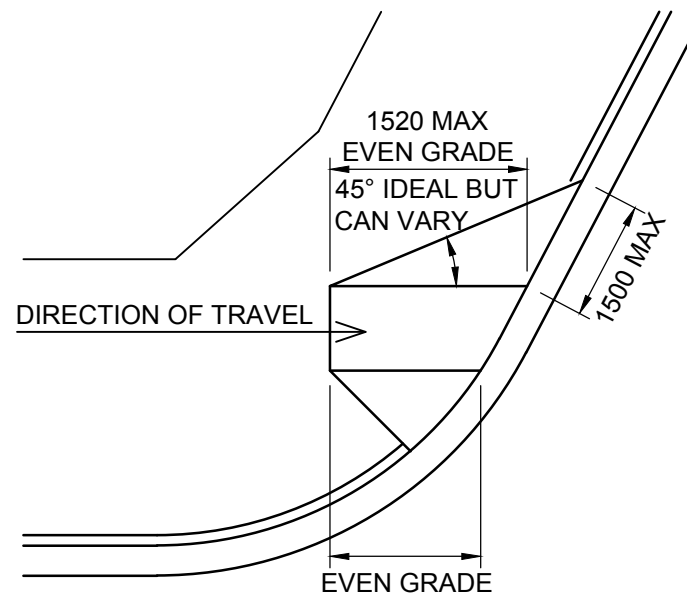
SECTION B-B



PLAN B  
MARKED FOOT CROSSING  
(SHARED PEDESTRIAN/BICYCLE CROSSING)



PLAN C  
AT PEDESTRIAN CROSSING (ZEBRA)



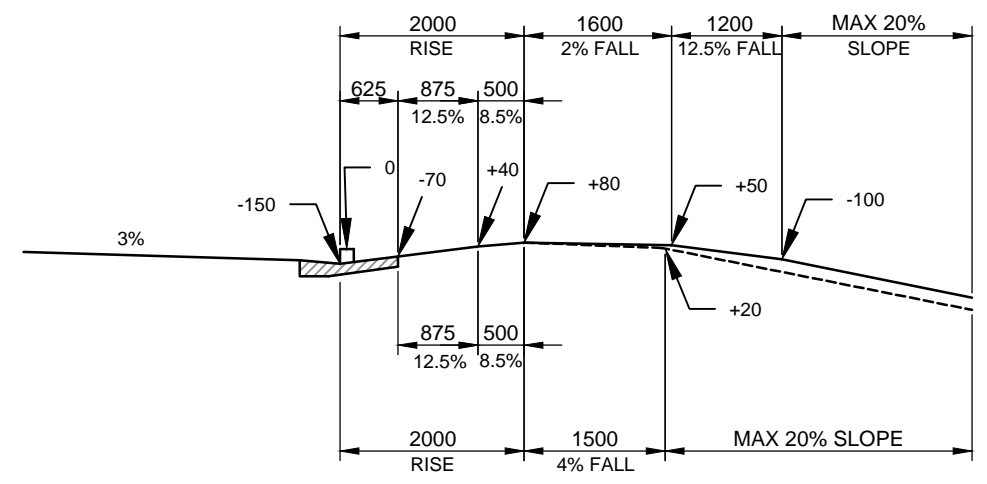
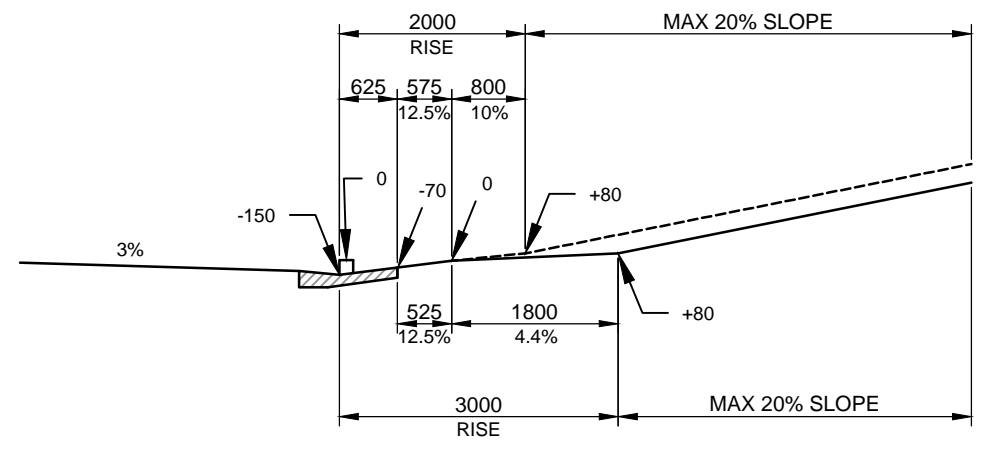
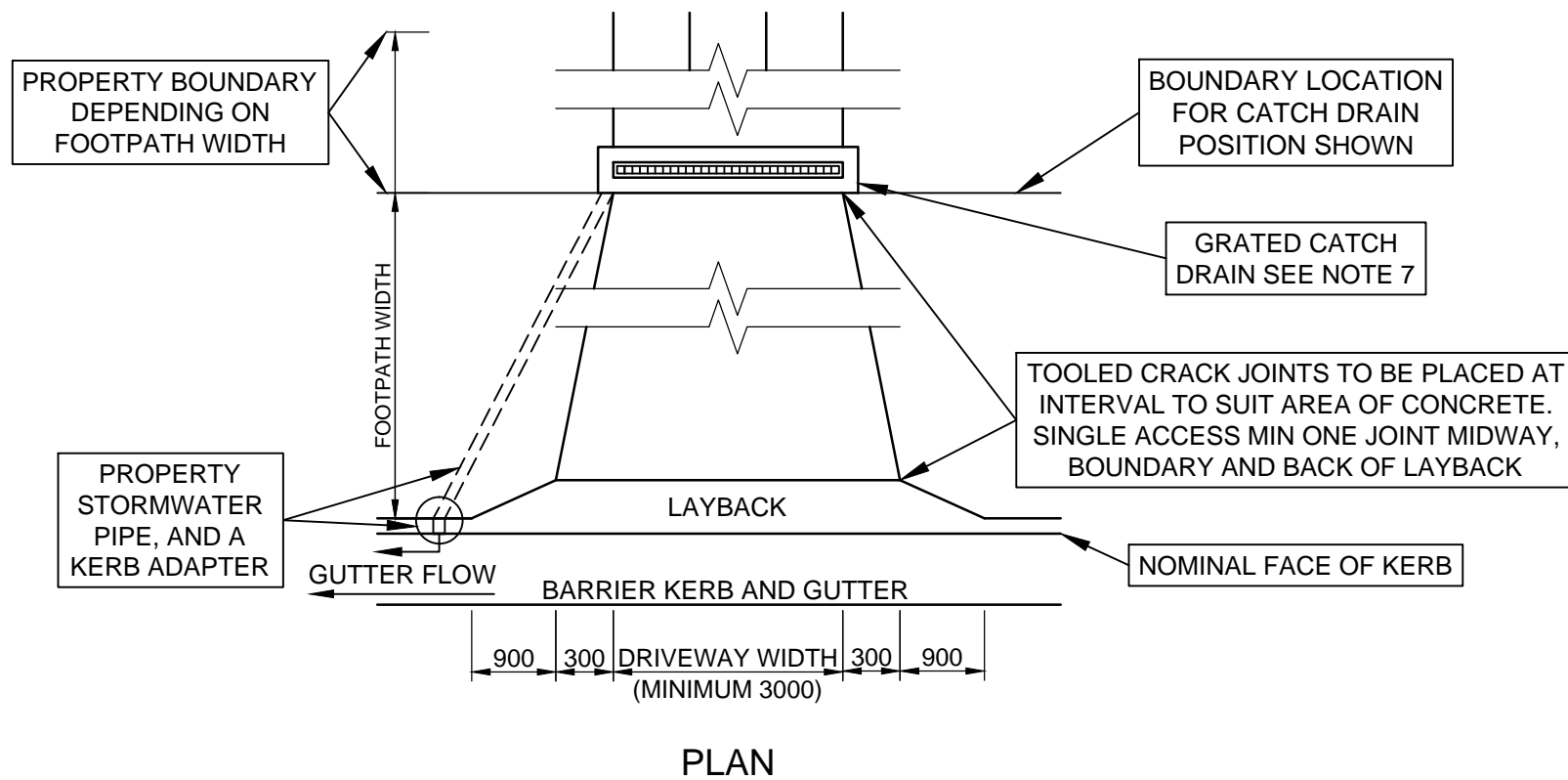
KERB RAMPS FOR ACUTE /  
OBTUSE INTERSECTIONS

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES
2. ALL RAMPS ARE TO BE ALIGNED WITH THE DESIRED DIRECTION OF PEDESTRIAN TRAVEL AND BE A MINIMUM OF 1200mm WIDE, INCREASING IN WIDTH IN 300mm INCREMENTS.
3. PEDESTRIAN CROSSINGS AND MARKED FOOT CROSSING RAMPS MUST LINE UP WITH CROSSING AND CORRESPONDING RAMP ON THE ON THE OTHER SIDE OF THE ROAD.
4. (i) FOR A MARKED FOOT CROSSING (SHARED PEDESTRIAN/BICYCLE CROSSING) SLOPING FACE OF RAMP SHOULD BE AS WIDE AS THE INSIDE OF PAINT LINES WITH A PUSH BUTTON ON IT AT A PRACTICAL WIDTH NO LESS THAN 1200mm.  
(ii) AT PEDESTRIAN CROSSING (ZEBRA) THE SLOPING FACE OF THE RAMP SHOULD BE AS WIDE AS THE OUTSIDE EDGE OF THE ZEBRA STRIPES. WHERE THIS IS NOT POSSIBLE, THE RAMP SHOULD BE AT A PRACTICAL WIDTH NO LESS THAN 1200 WIDE. (REFER TO PLAN C)  
(iii) AT MARKED FOOT CROSSINGS (PEDESTRIAN ONLY CROSSINGS) THE SLOPING FACE OF THE RAMP SHOULD BE AS WIDE AS THE INSIDE OF THE PAINT LINES. WHERE THIS IS NOT POSSIBLE, LOCATE RAMP CLOSE TO POST WITH A PUSH BUTTON ON IT, AT A PRACTICAL WIDTH NOT LESS THAN 1200mm.
5. EXPANSION JOINTS TO BE PROVIDED WHERE ENDS OF THE KERB RAMP ABUTS KERB AND GUTTER.
7. SEPARATE KERB RAMPS MUST BE USED FOR ADJACENT CROSSINGS AT INTERSECTIONS.
8. TACTILE INDICATORS ARE TO BE INSTALLED AT ALL KERB RAMPS AS PER THE DETAILS ON DRAWING SHEETS 2 & 3.
9. ALL RAMPS TO BE CONSTRUCTED IN 20MPA CONCRETE, SL82 MESH AND BROOM FINISHED.
10. WHERE RAMPS ARE CONSTRUCTED TO EXISTING GUTTER, DOWEL RAMP TO GUTTER.
11. TACTILE INDICATORS ARE NOT TO BE INSTALLED ON COMPLIANT RAMPS, REFER SHEET 2.

<b>Armidale</b> Regional Council Dept of Public Infrastructure	SCALES	APPROVED	D. MAUNDER	10/11/2016	SHEET 1 OF 1
	NTS	MANAGER ENGINEERING AND STANDARDS SUPPORT		DATE	
STANDARD KERB RAMPS		SURV	AS SHEET SIZE	DRAWING No	AMDT No
		DRWN	A3	030-069	
		DES			
		CHKD	CADFILE 030-069.dwg	DATE 10/11/2016	





**NOTES**

1. A DRIVEWAY APPLICATION FORM MUST BE SUBMITTED AND APPROVED PRIOR TO WORK BEING UNDERTAKEN.
2. A DRIVEWAY DESIGN SHOULD BE COMPLETED AS A PRE-REQUISITE FOR DETERMINING HOUSE AND GARAGE POSITION AND FLOOR LEVELS BEFORE ANY DRIVEWAY WORK IS UNDERTAKEN, WHERE THE FLOOR HEIGHT OF THE GARAGE EXCEEDS 1m ABOVE OR BELOW THE ROAD CENTRELINE. A DRIVEWAY PROFILE MUST BE SUBMITTED PRIOR TO THE RELEASE OF A CONSTRUCTION CERTIFICATE.
3. ILLUSTRATED ARE PERMITTED DRIVEWAY LONGITUDINAL PROFILES IN AREAS WHERE THE STREET ACTS AS A "FLOODWAY" AND RAISED FOOTPATH AREAS ARE REQUIRED FOR PROPERTY FLOOD PROTECTION. IN AREAS WHERE NO MAJOR FLOOD PROTECTION IS REQUIRED, ALTERNATIVE DESIGN PROFILES MAY BE PERMITTED. THE DIRECTOR OF ENGINEERING OR HIS NOMINEE WILL DETERMINE THE TYPE OF DRIVEWAY REQUIRED.
4. MAXIMUM WIDTH DRIVEWAY 4.5m RESIDENTIAL, 6.0m COMMERCIAL INDUSTRIAL.
5. THE CROSS SLOPE OF THE DRIVEWAY CROSSING OVER THE FOOTPATH IS TO BE WITHIN 3% OF THE ADJACENT KERB AND GUTTER LONGITUDINAL PROFILE.
6. STANDARD DUTY CONCRETE SLAB SHALL BE INSTALLED FOR DOMESTIC DRIVEWAYS. HEAVY DUTY SLAB SHALL BE INSTALLED FOR COMMERCIAL DRIVEWAYS OR WHEN LIMITED COVER OVER CRITICAL SERVICES REQUIRES. CONCRETE STRENGTH 25MPa AT 28 DAYS, ALL EDGES ARE TO BE TOOLED AND A BROOM FINISH APPLIED.
7. FULL SLABS ARE REQUIRED FOR A DISTANCE OF 3.5m FROM NOMINAL FACE OF KERB. BEYOND THAT POINT TO THE PROPERTY BOUNDARY, DEPENDING ON FOOTPATH WIDTH, CONCRETE DRIVEWAY STRIPS 600mm WIDE MAY BE INSTALLED. FULL SLABS TO THE BOUNDARY ARE PREFERRED.
8. GRATED CATCH DRAINS ARE TO BE INSTALLED WHERE THE INTERNAL DRIVEWAY DRAINS TOWARDS THE STREET, WHERE THERE IS SUBSTANTIAL SEALED SURFACES THE CATCH DRAIN IS TO BE INSTALLED INSIDE AND ADJACENT TO THE PROPERTY BOUNDARY. THE INVERT OF THE CATCH DRAIN IS TO BE GRADED DOWN TO THE OUTLET PIPE. THE SURFACE CONCRETE AND GRATING SHOULD BE SLIGHTLY DEPRESSED BELOW ADJACENT DRIVEWAY GRADES TO ENSURE CAPTURE OF SURFACE WATER FLOW. THE CATCH DRAIN IS TO BE DRAINED TO THE STREET GUTTER OR OTHER SUITABLE DRAINAGE SYSTEM BY MEANS OF A PIPE. PROPERTY SW PIPE TO BE INSTALLED IN ACCORDANCE WITH ARC STD DWG 080-027.
9. DRIVEWAY SLABS ARE NOT TO BE DOWELED TO THE KERB OR LAYBACK.
10. ALTERNATE CONSTRUCTION MATERIALS SUCH AS SEGMENTAL PAVERS, BITUMEN/AC SEAL OR STENCILED CONCRETE ARE PERMITTED SUBJECT TO ASSESSMENT. NOTE NO GUARANTEE IS OFFERED FOR SAME TO BE REINSTATED TO MATCH SHOULD SERVICE AUTHORITIES NEED TO TRENCH THROUGH THE DRIVEWAY.

**PERMITTED DRIVEWAY PROFILES FOR BARRIER KERB WITH LAYBACK**

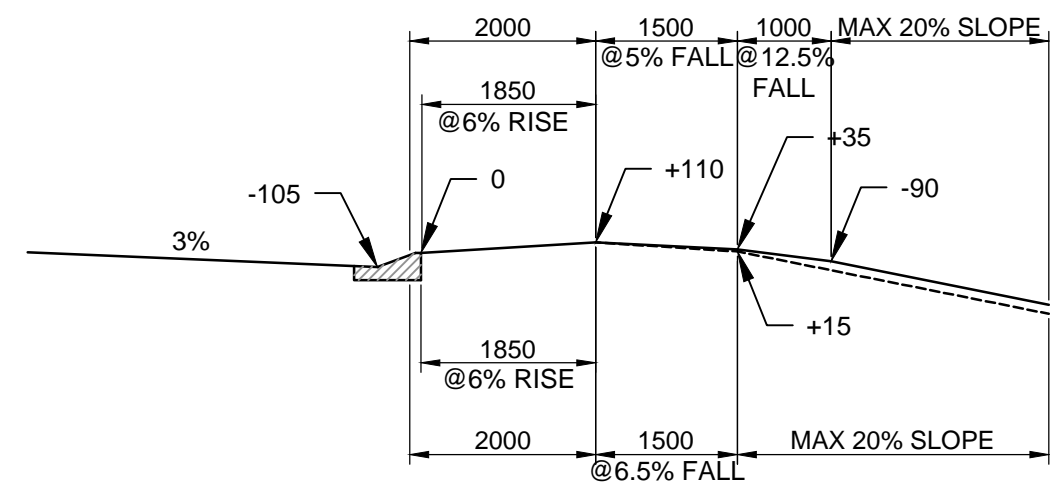
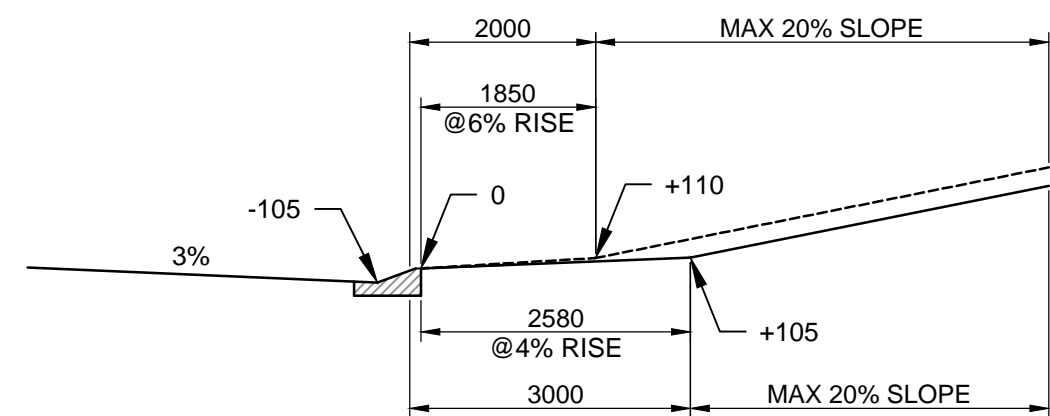
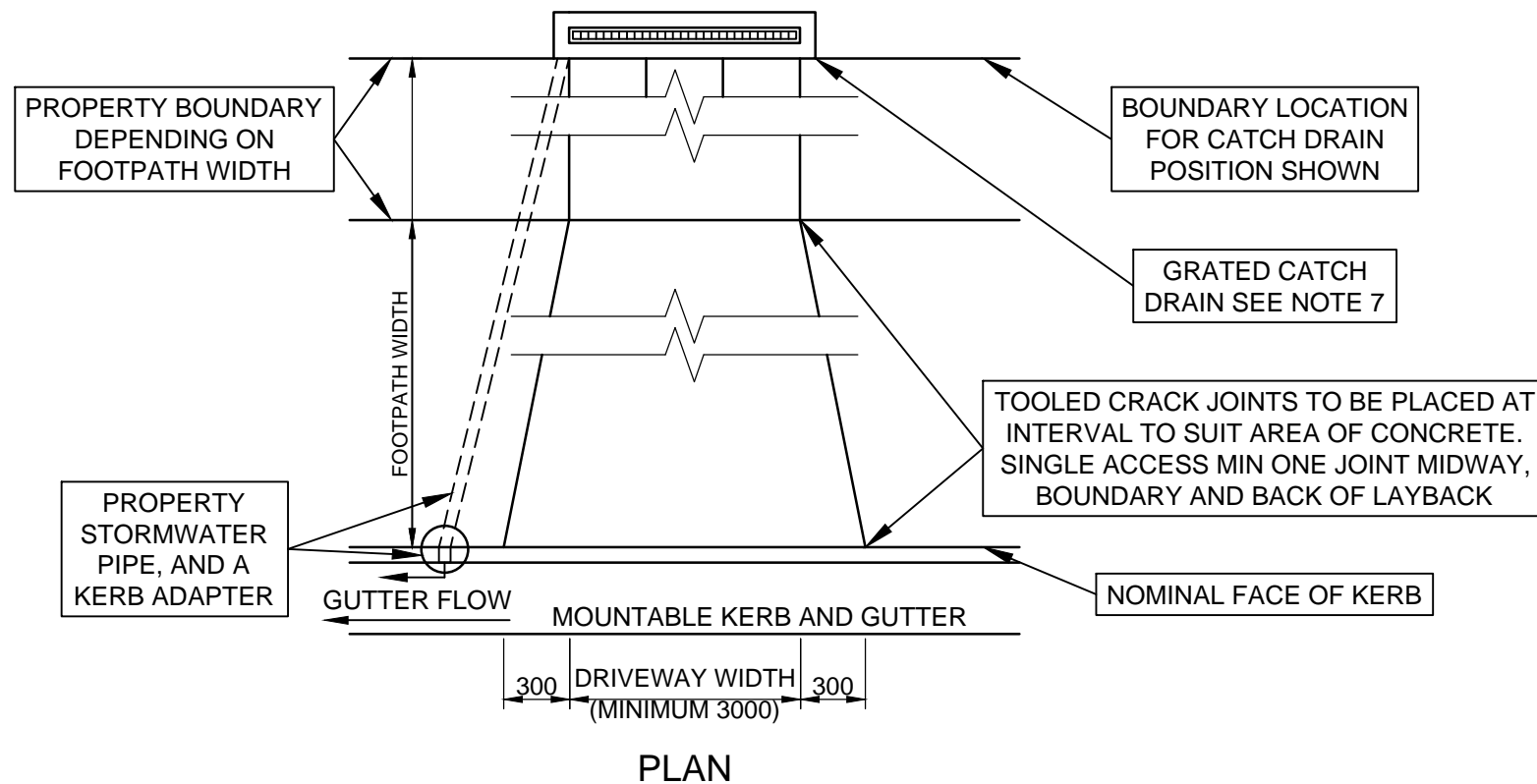
\* PRE 2016 LAYBACKS ARE TO BE REPLACED FOR NEW DRIVEWAY SLABS TO CONSTRUCT THESE PROFILES

**LEGEND**

- DESIRABLE MINIMUM PROFILE
- ABSOLUTE MINIMUM PROFILE
- ↙ +110 DENOTES RELATIVE LEVELS WITH RESPECT TOP OF KERB

SLAB TYPE	SLAB THICKNESS	SLAB REINFORCEMENT
STANDARD DUTY	100mm	1 LAYER OF SL72 REINFORCING FABRIC OR EQUIVALENT PLACED CENTRALLY
HEAVY DUTY	150mm	LAYER OF SL92 OR 2 LAYERS OF F62 REINFORCING FABRIC OR EQUIVALENT PLACED CENTRALLY

<b>Armidale</b> Dept of Public Regional Council Infrastructure	SCALES NTS	APPROVED D. MAUNDER 10/11/2016 MANAGER ENGINEERING AND STANDARDS SUPPORT DATE	SHEET 1 OF 1
	<b>VEHICULAR DRIVEWAY PUBLIC FOOTPATH CROSSING BARRIER KERB</b>		AS SHEET SIZE <b>A3</b>
		DRAWING No <b>030-070</b>	AMDT No
		CADFILE 030-070.dwg	DATE 10/11/2016



**NOTES**

1. A DRIVEWAY APPLICATION FORM MUST BE SUBMITTED AND APPROVED PRIOR TO WORK BEING UNDERTAKEN.
2. A DRIVEWAY DESIGN SHOULD BE COMPLETED AS A PRE-REQUISITE FOR DETERMINING HOUSE AND GARAGE POSITION AND FLOOR LEVELS BEFORE ANY DRIVEWAY WORK IS UNDERTAKEN, WHERE THE FLOOR HEIGHT OF THE GARAGE EXCEEDS 1m ABOVE OR BELOW THE ROAD CENTRELINE. A DRIVEWAY PROFILE MUST BE SUBMITTED PRIOR TO THE RELEASE OF A CONSTRUCTION CERTIFICATE.
3. ILLUSTRATED ARE PERMITTED DRIVEWAY LONGITUDINAL PROFILES IN AREAS WHERE THE STREET ACTS AS A "FLOODWAY" AND RAISED FOOTPATH AREAS ARE REQUIRED FOR PROPERTY FLOOD PROTECTION. IN AREAS WHERE NO MAJOR FLOOD PROTECTION IS REQUIRED, ALTERNATIVE DESIGN PROFILES MAY BE PERMITTED. THE DIRECTOR OF ENGINEERING OR HIS NOMINEE WILL DETERMINE THE TYPE OF DRIVEWAY REQUIRED.
4. MAXIMUM WIDTH DRIVEWAY 4.5m RESIDENTIAL, 6.0m COMMERCIAL INDUSTRIAL.
5. THE CROSS SLOPE OF THE DRIVEWAY CROSSING OVER THE FOOTPATH IS TO BE WITHIN 3% OF THE ADJACENT KERB AND GUTTER LONGITUDINAL PROFILE.
6. STANDARD DUTY CONCRETE SLAB SHALL BE INSTALLED FOR DOMESTIC DRIVEWAYS. HEAVY DUTY SLAB SHALL BE INSTALLED FOR COMMERCIAL DRIVEWAYS OR WHEN LIMITED COVER OVER CRITICAL SERVICES REQUIRES. CONCRETE STRENGTH 25MPa AT 28 DAYS, ALL EDGES ARE TO BE TOOLED AND A BROOM FINISH APPLIED.
7. FULL SLABS ARE REQUIRED FOR A DISTANCE OF 3.5m FROM NOMINAL FACE OF KERB. BEYOND THAT POINT TO THE PROPERTY BOUNDARY, DEPENDING ON FOOTPATH WIDTH, CONCRETE DRIVEWAY STRIPS 600mm WIDE MAY BE INSTALLED. FULL SLABS TO THE BOUNDARY ARE PREFERRED.
8. GRATED CATCH DRAINS ARE TO BE INSTALLED WHERE THE INTERNAL DRIVEWAY DRAINS TOWARDS THE STREET, WHERE THERE IS SUBSTANTIAL SEALED SURFACES THE CATCH DRAIN IS TO BE INSTALLED INSIDE AND ADJACENT TO THE PROPERTY BOUNDARY. THE INVERT OF THE CATCH DRAIN IS TO BE GRADED DOWN TO THE OUTLET PIPE. THE SURFACE CONCRETE AND GRATING SHOULD BE SLIGHTLY DEPRESSED BELOW ADJACENT DRIVEWAY GRADES TO ENSURE CAPTURE OF SURFACE WATER FLOW. THE CATCH DRAIN IS TO BE DRAINED TO THE STREET GUTTER OR OTHER SUITABLE DRAINAGE SYSTEM BY MEANS OF A PIPE. PROPERTY SW PIPE TO BE INSTALLED IN ACCORDANCE WITH ARC STD DWG 080-027.
9. DRIVEWAY SLABS ARE NOT TO BE DOWELED TO THE KERB OR LAYBACK.
10. ALTERNATE CONSTRUCTION MATERIALS SUCH AS SEGMENTAL PAVERS, BITUMEN/AC SEAL OR STENCILED CONCRETE ARE PERMITTED SUBJECT TO ASSESSMENT. NOTE NO GUARANTEE IS OFFERED FOR SAME TO BE REINSTATED TO MATCH SHOULD SERVICE AUTHORITIES NEED TO TRENCH THROUGH THE DRIVEWAY.

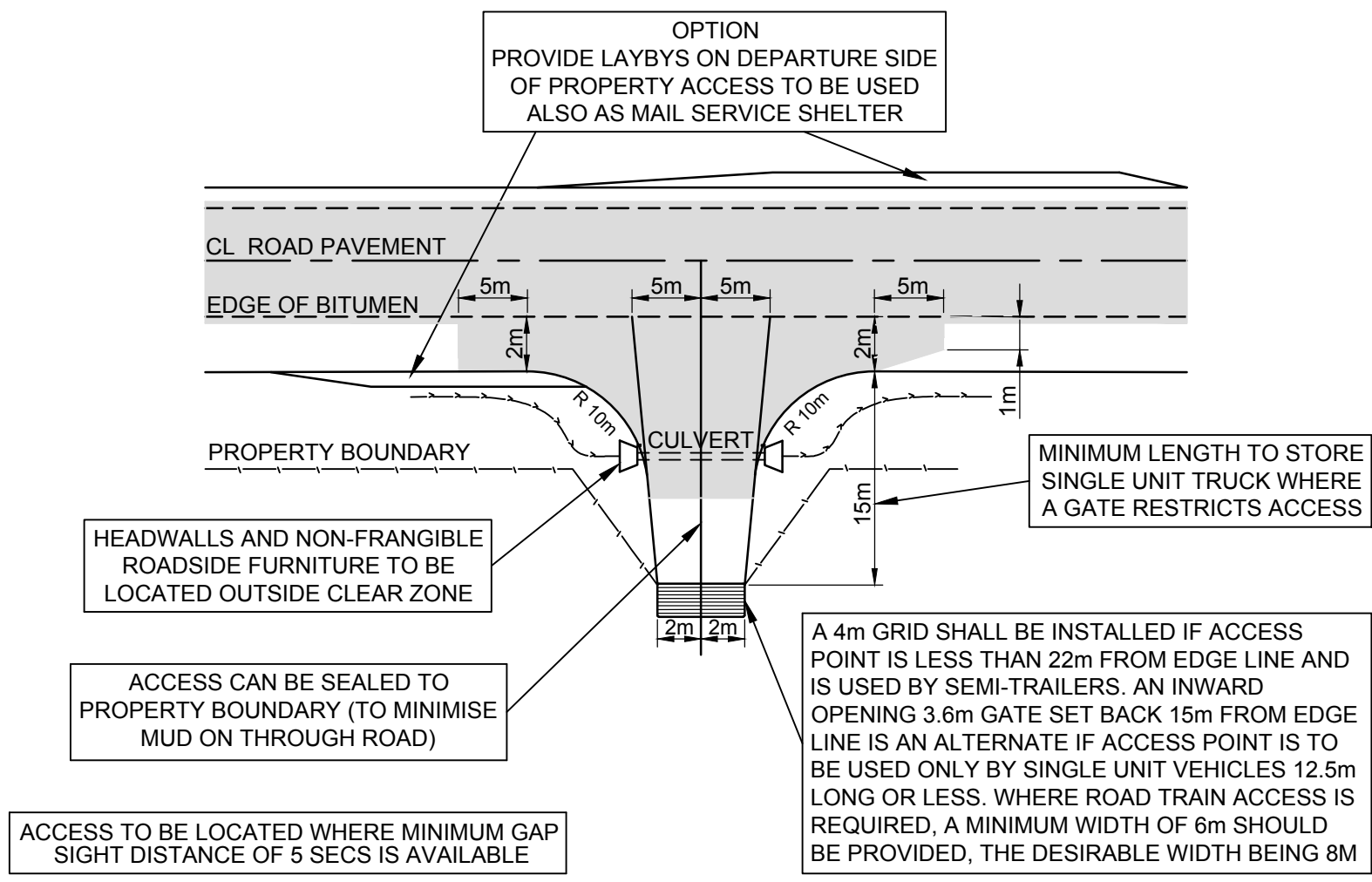
**PERMITTED DRIVEWAY PROFILES FOR PRE 2016 STANDARD AND RMS RT MOUNTABLE KERB**

**LEGEND**

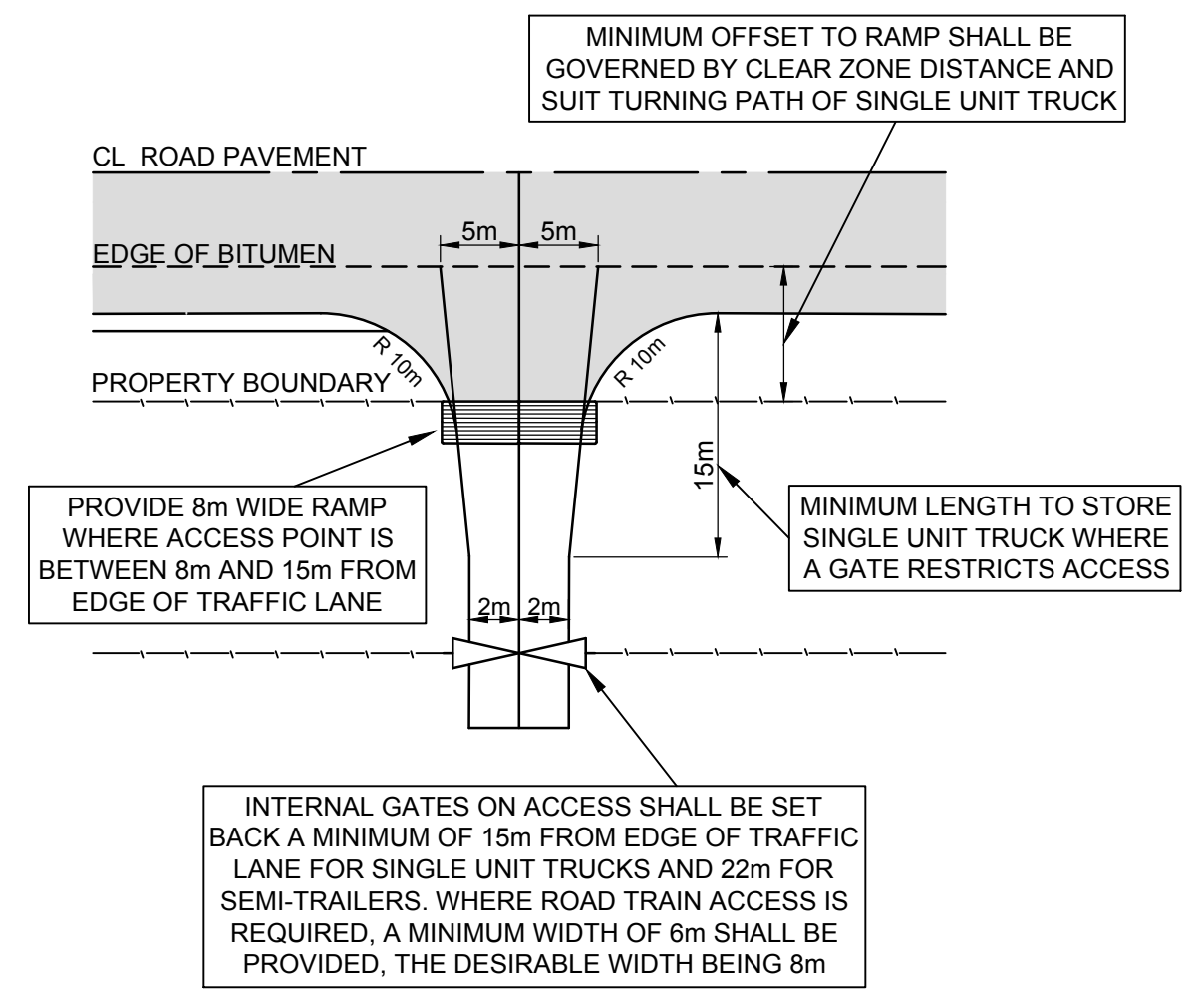
- DESIRABLE MINIMUM PROFILE
- - - - ABSOLUTE MINIMUM PROFILE
- ↙ +110 DENOTES RELATIVE LEVELS WITH RESPECT TOP OF KERB

SLAB TYPE	SLAB THICKNESS	SLAB REINFORCEMENT
STANDARD DUTY	100mm	1 LAYER OF SL72 REINFORCING FABRIC OR EQUIVALENT PLACED CENTRALLY
HEAVY DUTY	150mm	LAYER OF SL92 OR 2 LAYERS OF F62 REINFORCING FABRIC OR EQUIVALENT PLACED CENTRALLY

<b>Armidale</b> Dept of Public Regional Council Infrastructure	APPROVED D. MAUNDER 10/11/2016 <small>MANAGER ENGINEERING AND STANDARDS SUPPORT</small>	SHEET 1 OF 1
	SCALES NTS	SURV DRWN ST DES MW CHKD MW
<b>VEHICULAR DRIVEWAY PUBLIC FOOTPATH CROSSING MOUNTABLE KERB</b>		DRAWING No <b>030-071</b>
		CADFILE 030-071.dwg DATE 10/11/2016



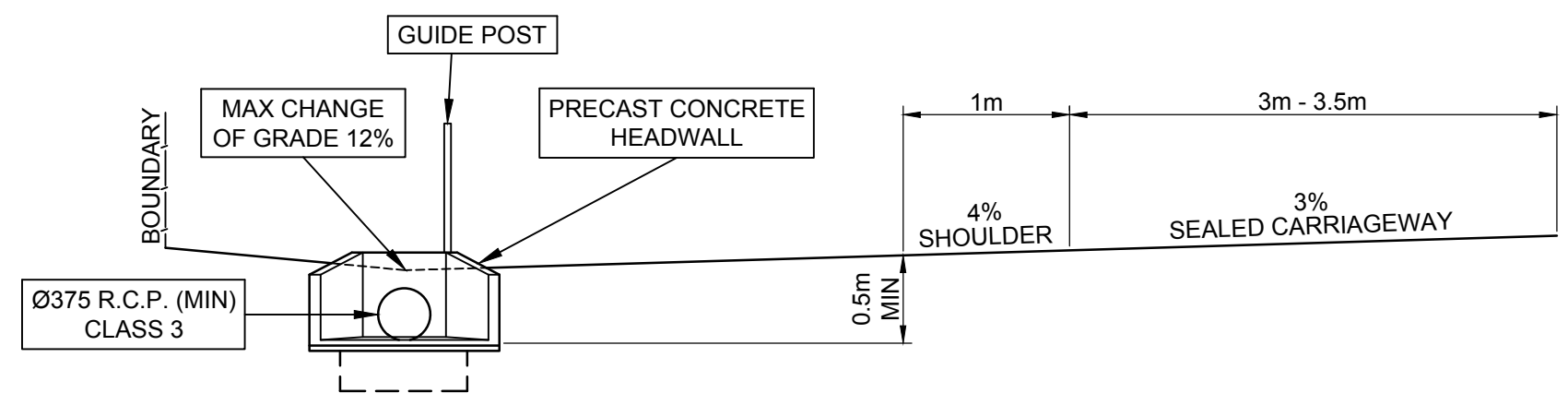
PREFERRED OPTION WITH INDENTED ACCESS  
AADT < 2000  
SEMI-TRAILERS AADT < 1000



OPTION WITHOUT INDENTED ACCESS  
AADT < 2000

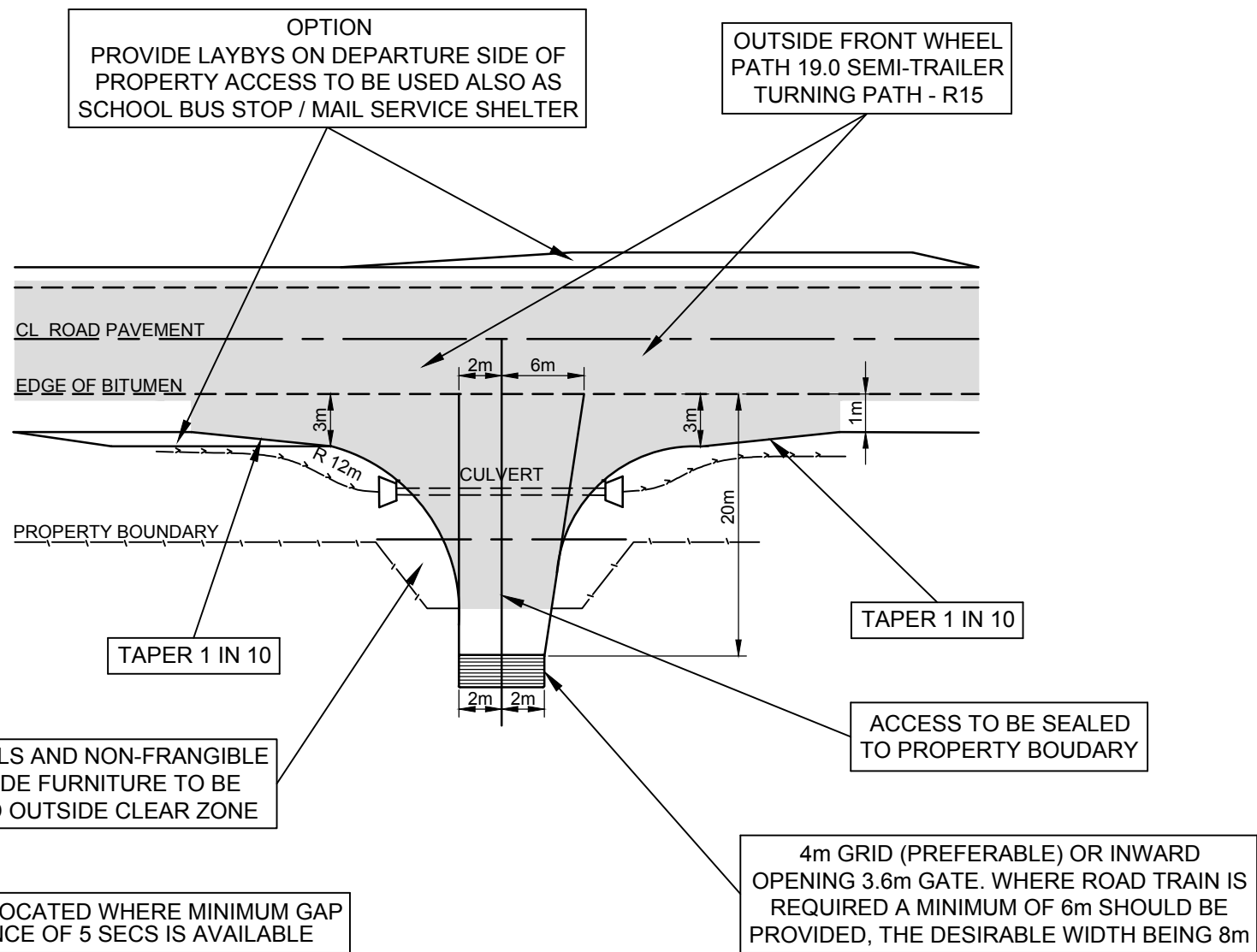
TYPICAL CLEAR ZONE 6m RURAL ROAD  
80km/hr NO SEVERE DROP OFF FROM ROAD

V.P.D	CLEAR ZONE
<750	3.5m
750-1500	5m
1501-6000	5.5m
>6000	6.5m



TYPICAL CROSS SECTION

<b>Armidale</b> Dept of Public Regional Council Infrastructure	SCALES NTS	APPROVED D. MAUNDER 10/11/2016 MANAGER ENGINEERING AND STANDARDS SUPPORT DATE	SHEET 1 OF 2		
	<b>STANDARD RURAL PROPERTY ACCESS</b>		SURV DRWN ST DES CHKD MW	AS SHEET SIZE <b>A3</b>	DRAWING No <b>030-073</b>
		CADFILE 030-073_1.dwg	DATE 10/11/2016		



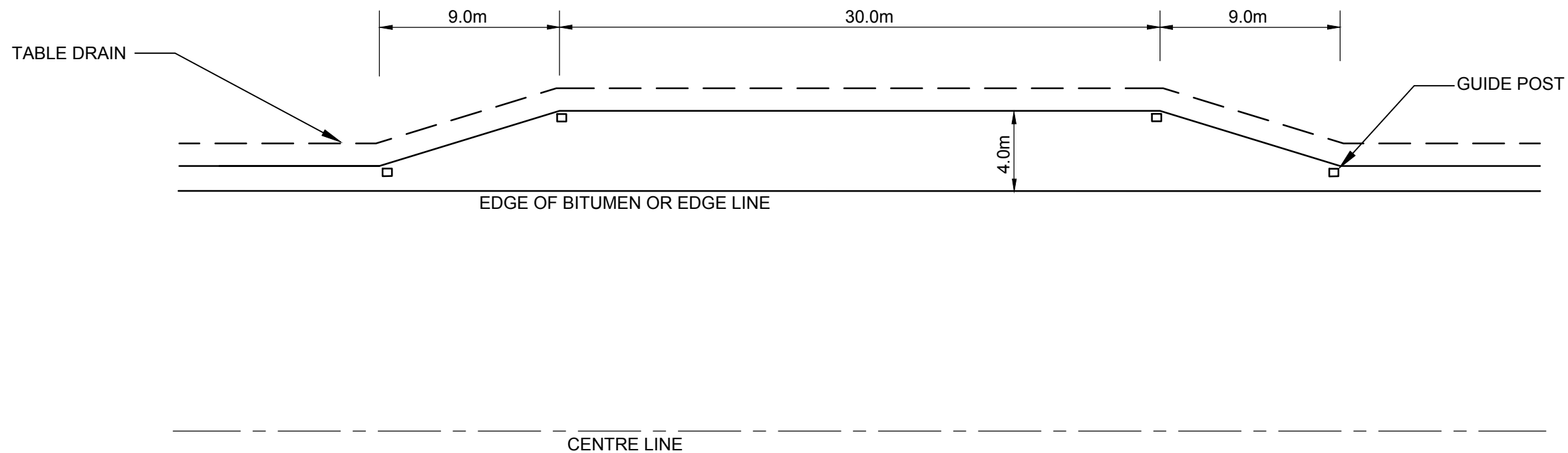
**RURAL PROPERTY ACCESS - LAYOUT FOR SEMI-TRAILERS**

TWO-WAY CARRIAGE WAY  
AADT > 2000 OR  
SEMI-TRAILER ACCESS AADT>1000

**NOTES**

1. ACCESS ROAD  
PAVEMENT WIDTH - AS PER LAYOUT  
PAVEMENT THICKNESS - 200mm MINIMUM, BASE GRAVEL  
MINIMUM COVER OVER CULVERT - 300mm  
ACCESS ONTO A PUBLIC ROAD SHALL NOT IMPACT ON THE WIDTH OR LEVEL OF THE ROAD SHOULDER OR ADVERSELY AFFECT ROADSIDE DRAINAGE. ON SEALED ROADS THE ACCESS IS TO BE SEALED FROM THE SHOULDER TO THE PROPERTY BOUNDARY.
2. SAFE INTERSECTION SIGHT DISTANCE TO BE ASSESSED FOR ACCESS PRIOR TO APPROVAL BASED ON 85TH PERCENTILE SPEED.
3. MAXIMUM GRADE OF DRIVEWAY BEYOND CULVERT 25%
4. EXISTING TABLE DRAINS ARE TO BE DEFLECTED TO CONNECT TO THE NEW CULVERT.
5. CULVERTS ARE TO BE INSTALLED USING CLASS 3 RRJ RCP TO THE SIZE NOMINATED BELOW WITH PRECAST CONCRETE HEADWALLS. ENSURE CUTOFF WALLS ARE INSTALLED BELOW THE HEADWALL APRONS.
6. DURING CONSTRUCTION AN APPROPRIATE TRAFFIC CONTROL PLAN IS TO BE IMPLEMENTED IN ACCORDANCE WITH THE RMS GUIDE TO TRAFFIC CONTROL AT WORK SITES.
7. PIPE SIZE  
CATCHMENT AREA                      PIPE DIAMETER REQUIRED  
HECTARES  
UP TO 1.5                                  375mm  
1.6 TO 2.2                                450mm  
2.3 TO 3.3                                525mm  
3.4 TO 5.0                                600mm  
OVER 5.0                                    SIZE TO BE DETERMINED BY CALCULATION
8. INSTALL GUIDE POSTS EITHER SIDE OF DRIVEWAY. SET ADJACENT TO THE CULVERT PAINTED WHITE AND FITTED WITH RETRO REFLECTORS BOTH SIDES.
9. CONCRETE DISH CROSSING MAY BE PERMITTED WHERE COUNCIL DEEMS CULVERTS ARE NOT REQUIRED.

<b>Armidale</b> <i>Dept of Public Regional Council Infrastructure</i>	SCALES NTS	APPROVED D. MAUNDER <i>MANAGER ENGINEERING AND STANDARDS SUPPORT</i>	10/11/2016 DATE	SHEET 2 OF 2
	STANDARD RURAL PROPERTY ACCESS	AS SHEET SIZE <b>A3</b>	DRAWING No <b>030-073</b>	AMDT No
		SURV		
		DRWN ST		
		DES		
		CHKD MW	CADFILE 030-073_2.dwg	DATE 10/11/2016

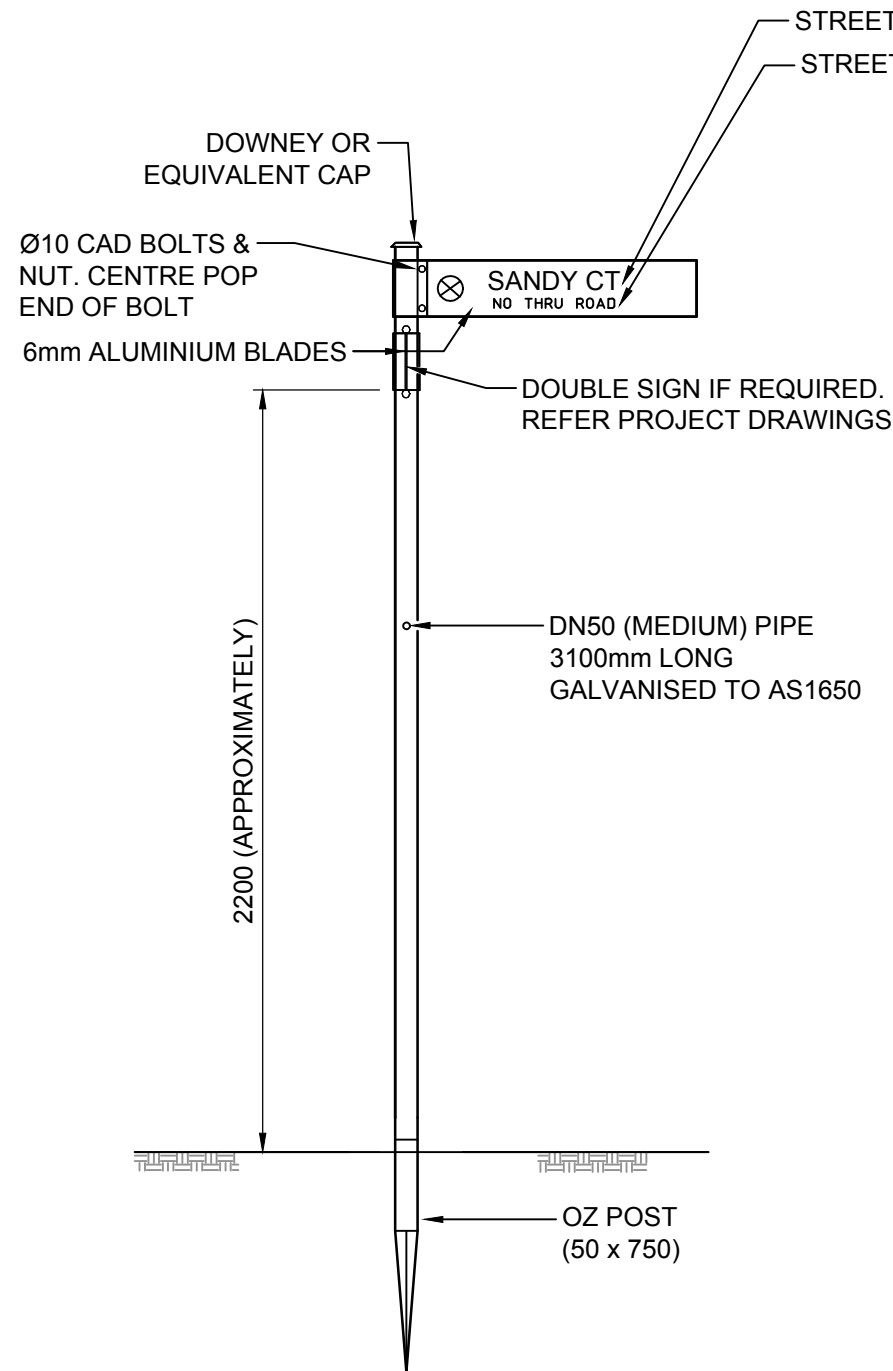


LAYOUT PLAN

NOTES

1. SIGHT STOPPING DISTANCE FOR THE SELECTED BUS STOP LOCATION IS TO BE ASSESSED IN ACCORDANCE WITH THE RELEVANT AUSTRROADS GUIDE
2. MINIMUM PAVEMENT REQUIRED ON BUS STOP WIDENING IS 200MM OF BASE GRAVEL. SITE ASSESSMENT REQUIRED TO CONFIRM
3. ENSURE STORMWATER CAPACITY OF THE DEFLECTED TABLE DRAIN IS MAINTAINED
4. ON SEALED RURAL ROADS, BUS STOPS ARE TO BE SEALED WITH A 14\10 2 COAT SEAL

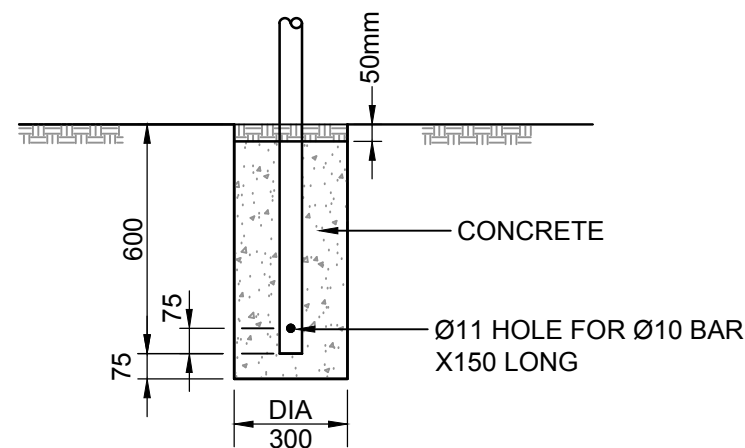
<b>Armidale</b> <i>Dept of Public Regional Council Infrastructure</i>	SCALES NTS	APPROVED D. MAUNDER MANAGER ENGINEERING AND STANDARDS SUPPORT	10/11/2016 DATE	SHEET 1 OF 1
	<b>TYPICAL RURAL BUS STOP</b>		SURV	AS SHEET SIZE
			DRWN PD	<b>A3</b>
			DES	
CHKD MW	CADFILE 030-074.dwg	DATE 10/11/2016	AMDT No	



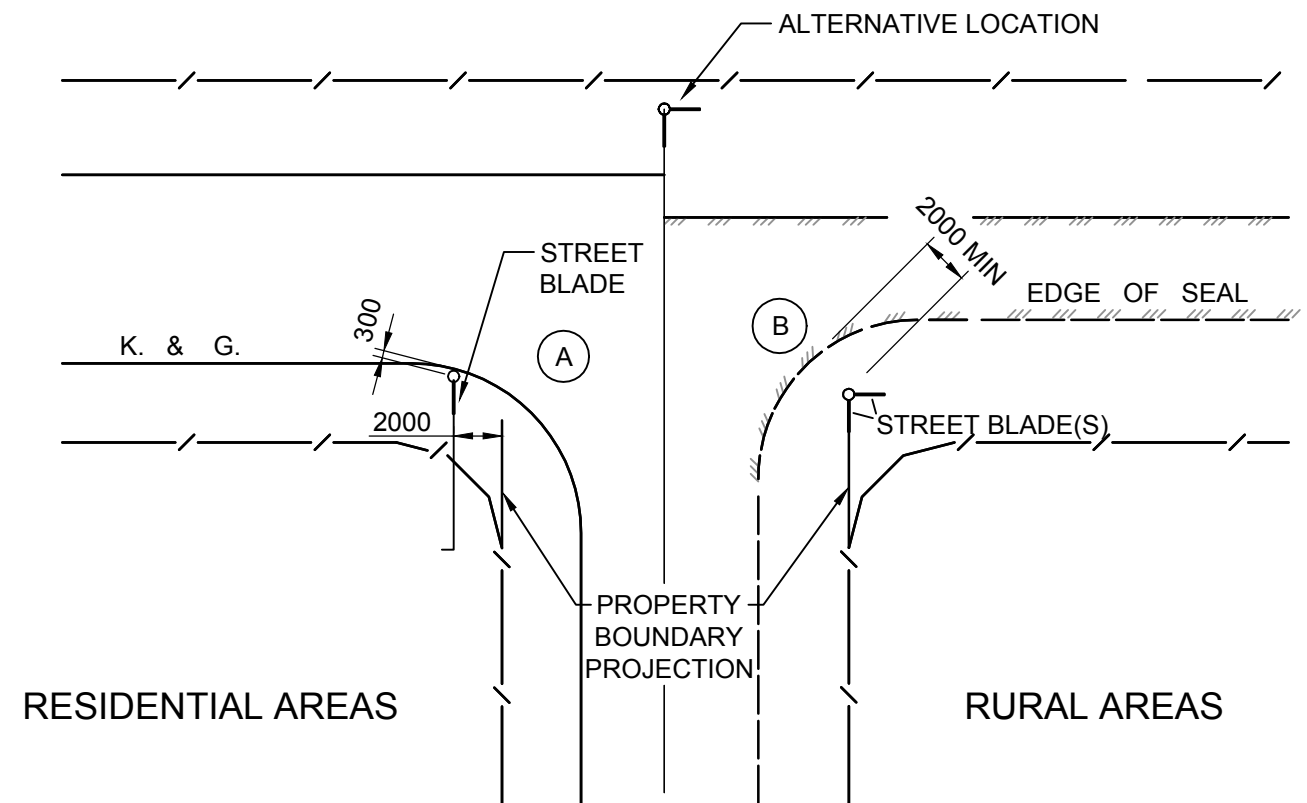
STANDARD INSTALLATION

TABLE OF ABBREVIATIONS	
AVENUE	AV
BOULEVARDE	BVD
CIRCUIT	CIR
CLOSE	CL
COURT	CT
CRESCENT	CR
DRIVE	DR
ESPLANADE	ESP
LANE	LN
PARADE	PDE
PLACE	PL
ROAD	RD
STREET	ST
TERRACE	TCE

OTHER ABBREVIATIONS TO BE APPROVED BY COUNCIL



ALTERNATIVE INSTALLATION



LEGEND

- (A) SIGN POST IS TO BE LOCATED 300mm MIN BEHIND NOMINAL KERB LINE.
- (B) SIGN POST IS TO BE LOCATED 2000mm MIN - 4000mm MAX FROM EDGE OF SEAL, OR AS DIRECTED BY THE SUPERINTENDENT.

NOTES

1. ALL STREET SIGNS TO BE PURCHASED AND INSTALLED BY COUNCIL AT DEVELOPERS COST.
2. STREET NAMES MUST BE APPROVED BY COUNCIL.
3. SIGNS TO BE POSITIONED ON THE SIDE OF STREET AS DETAILED ABOVE.
4. PROPRIETARY DRIVE-IN METAL BASES (OZ POST OR EQUIVALENT) ARE TO BE USED. CONCRETE FOOTINGS TO BE USED ONLY WHERE GROUND IS UNSTABLE.
5. CONCRETE N20 IN ACCORDANCE WITH AS1379 AND AS3600.
6. BARS Ø10, GRADE 250 TO AS1302.
7. ALL DIMENSIONS IN MILLIMETERS.

<b>Armidale</b> <i>Dept of Public Infrastructure</i> Regional Council	SCALES NTS	APPROVED D. MAUNDER MANAGER ENGINEERING AND STANDARDS SUPPORT 10/11/2016 DATE	SHEET 1 OF 1
	<b>STREET NAME SIGN</b>		AS SHEET SIZE <b>A3</b>
		DRAWING No <b>030-075</b>	AMDT No
		CADFILE 030-075.dwg	DATE 10/11/2016



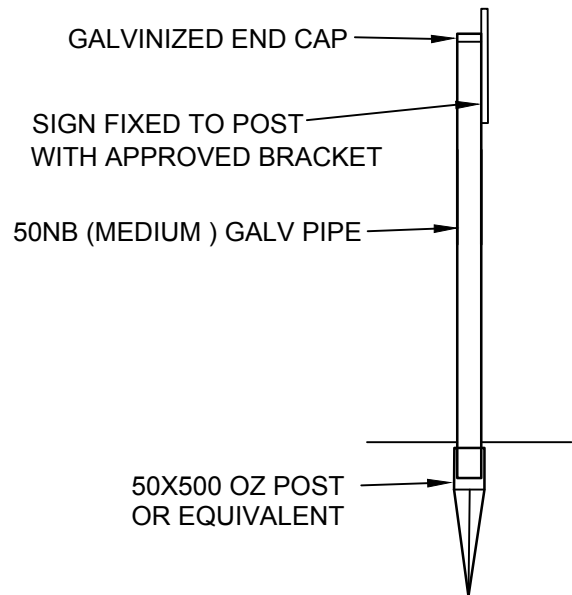
G5-1 RURAL TYPE 1                      G5-1 RURAL TYPE 3  
 SINGLE POINT                      OR                      SINGLE POINT  
 150mm BLACK SERIES C TEXT                      150mm WHITE SERIES C TEXT  
 CL 1 WHITE BACKGROUND                      CL 1 ECF BLUE BACKGROUND

G5-2 URBAN  
 SINGLE POINT  
 100mm BLACK SERIES C TEXT  
 50mm NUMERALS  
 CL 1 WHITE BACKGROUND  
 MAXIMUM SIGN LENGTH 1200mm

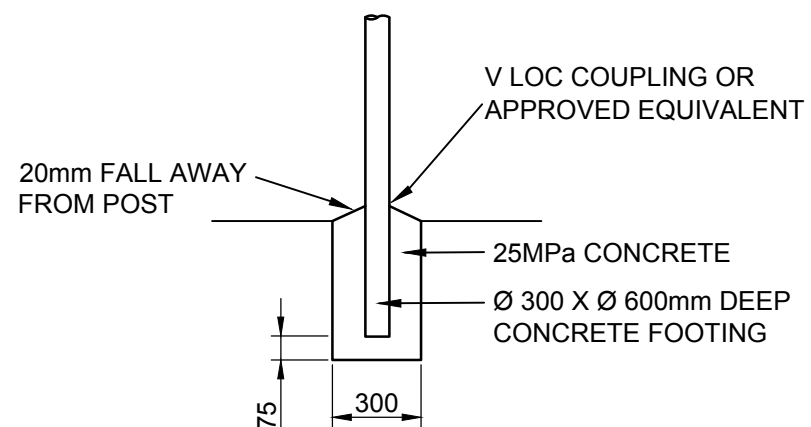


G5-1 RURAL TYPE 2  
 DOUBLE POINT  
 150mm BLACK SERIES C TEXT  
 CL 1 WHITE BACKGROUND

<b>Armidale</b> <i>Dept of Public Infrastructure</i> <small>Regional Council</small>	SCALES NTS	APPROVED <b>D. MAUNDER</b> 10/11/2016 <small>MANAGER ENGINEERING AND STANDARDS SUPPORT</small>		DATE		SHEET 1 OF 1	
		SURV	AS SHEET SIZE <b>A3</b>	DRAWING No <b>030-076</b>		AMDT No	
STREET SIGN BLADE DETAILS		DRWN VC	CADFILE 030-076.dwg		DATE 10/11/2016		
		DES					
		CHKD MW					



PREFERRED INSTALLATION

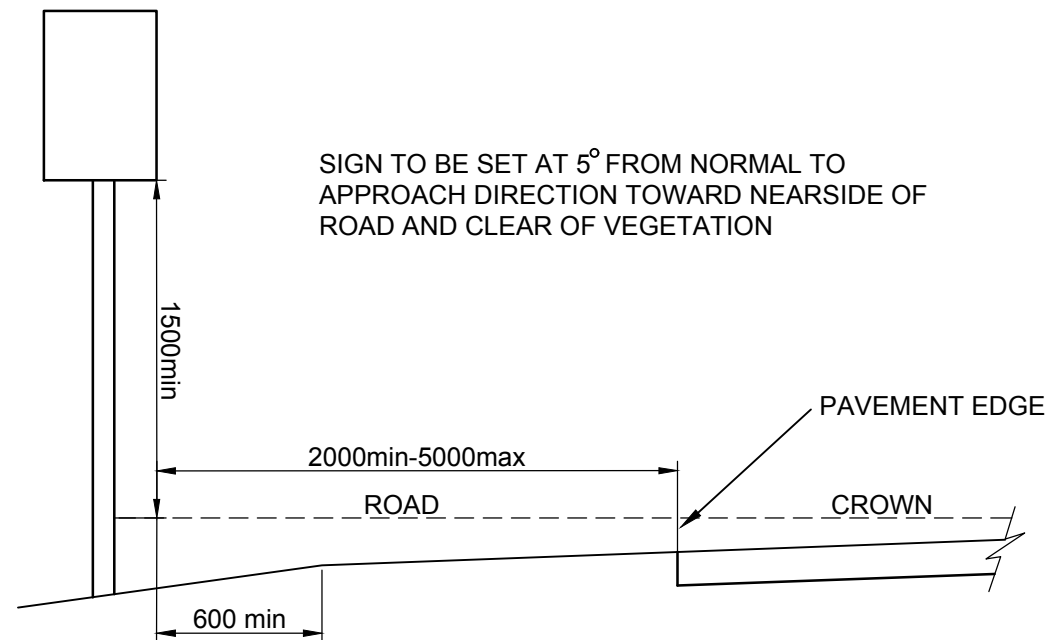


ALTERNATE INSTALLATION

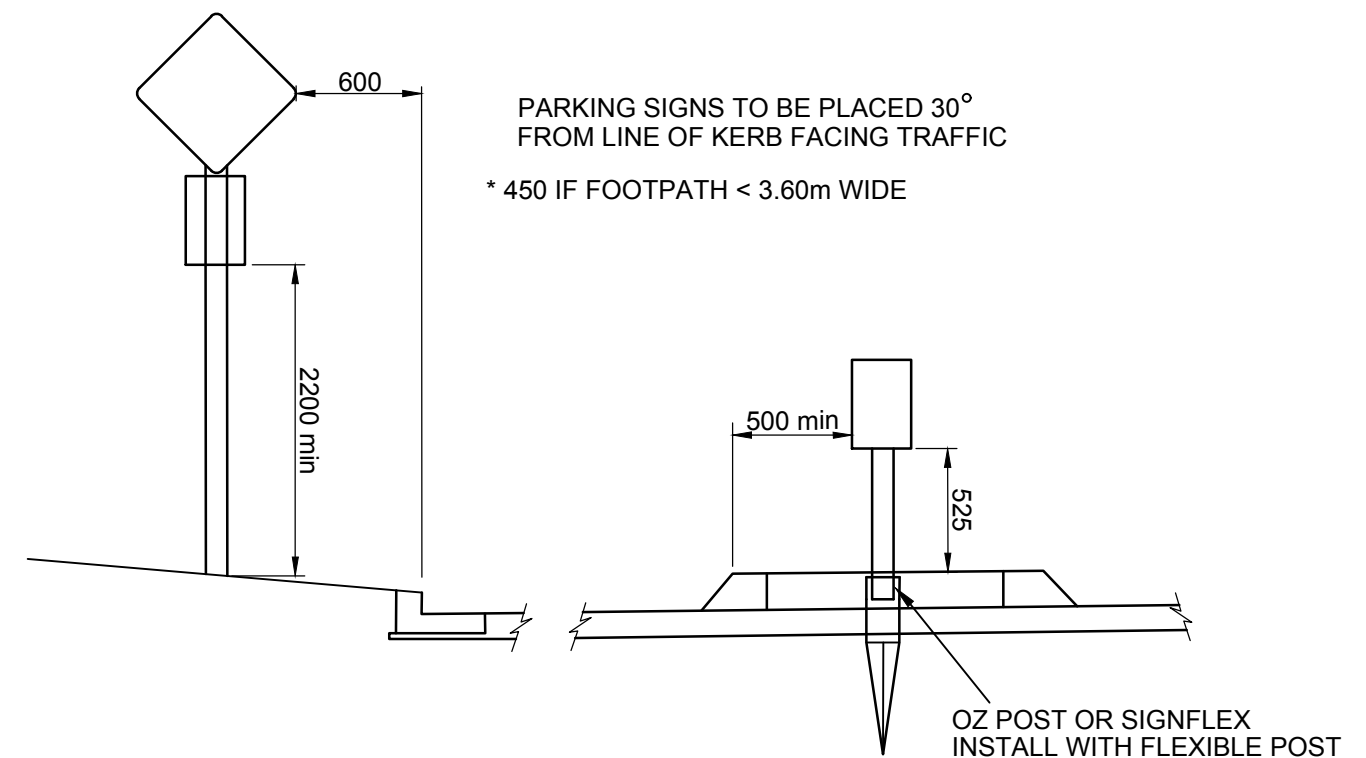
NOTES

1. ALL SIGNS TO BE REFLECTORIZED CLASS 1 TO AS1743 UNLESS NOTED OTHERWISE.
2. ALL SIGNS AND SIGN POST ANCHORING DETAILS ARE TO BE APPROVED BY COUNCIL PRIOR TO ERECTION.
3. ALL SIGNS SHALL BE IN ACCORDANCE WITH THE AS1742 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
4. SIGNS SHALL BE ALUMINUM ALLOY NOT LESS THAN 2mm THICK TO AS 2848.
5. EQUIVALENT COUPLINGS OF SIMILAR PURPOSE MAY BE USED SUBJECT TO COUNCIL APPROVAL.
6. ALL PIPES TO BE GALVANISED STEEL PIPE TO AS1074. GALVANIZING TO AS1650.
7. CONCRETE MINIMUM N25 IN ACCORDANCE WITH AS 3600.
8. ALL FASTENERS SHALL BE TAMPER / VANDAL RESISTANT.
9. PROPRIETARY COUPLINGS SHALL BE INSTALLED WITH MANUFACTURERS RECOMMENDATIONS.
10. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED.

TYPICAL SIGN & INSTALLATION DETAIL  
( RURAL & URBAN ROADS )



RURAL ROADS

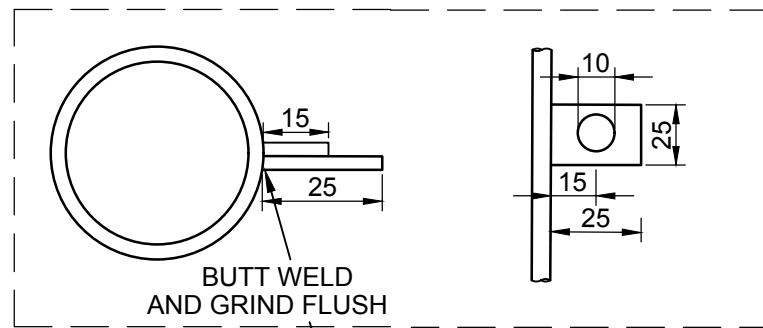


URBAN ROADS

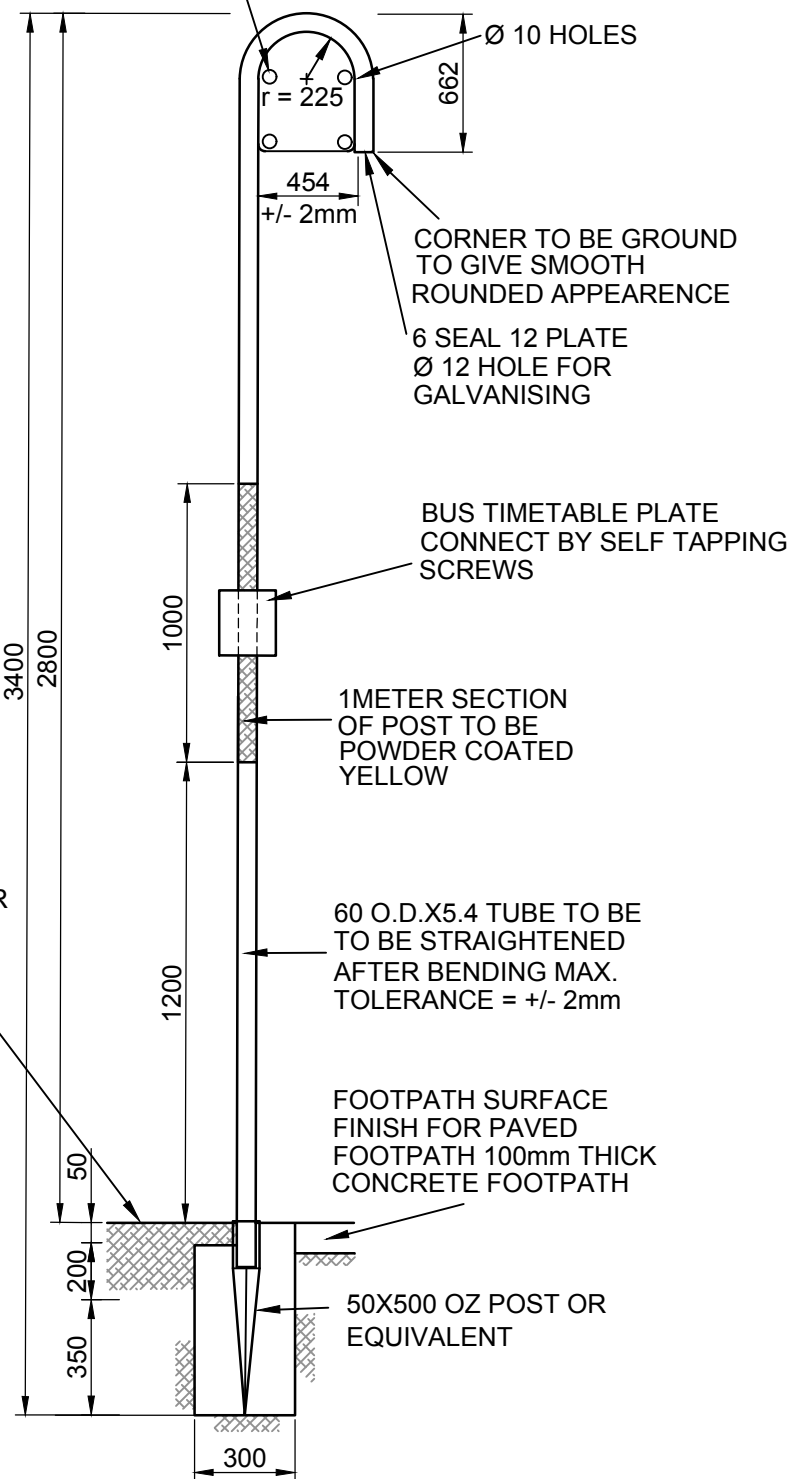
LOCATION OF SIGNS

<b>Armidale</b> Regional Council Dept of Public Infrastructure	SCALES NTS	APPROVED D. MAUNDER 10/11/2016 <small>MANAGER ENGINEERING AND STANDARDS SUPPORT</small>	DATE 10/11/2016	SHEET 1 OF 1
		SURV DRWN PD DES CIM/PJN CHKD MW	AS SHEET SIZE <b>A3</b>	DRAWING No <b>030-077</b>
<b>STANDARD ROAD SIGN INSTALLATION</b>		CADFILE 030-077.dwg		DATE 10/11/2016

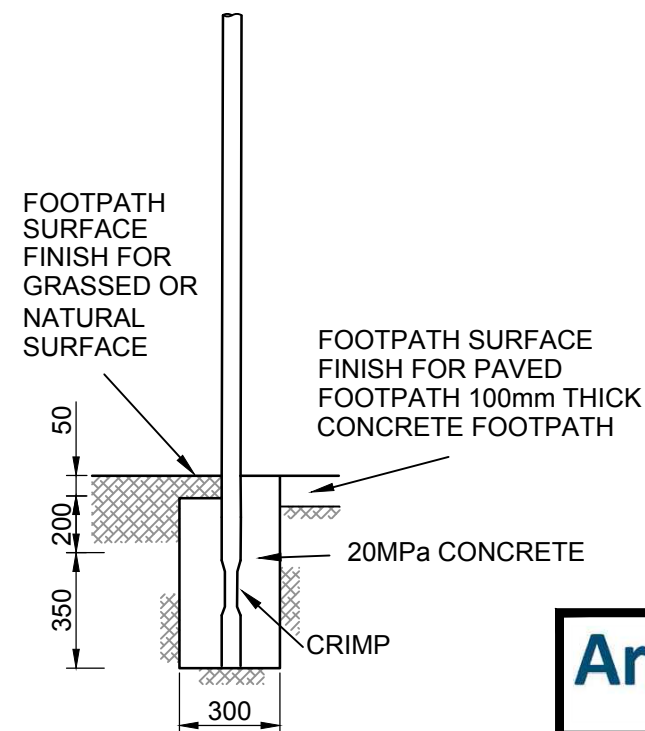




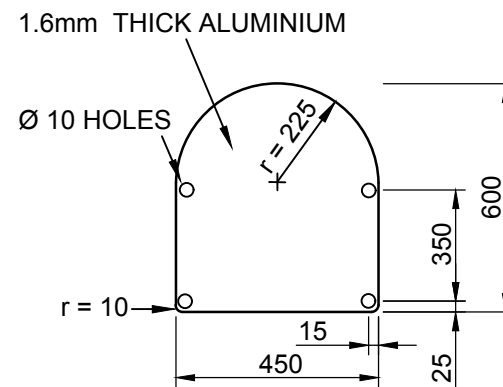
4 R LUGS



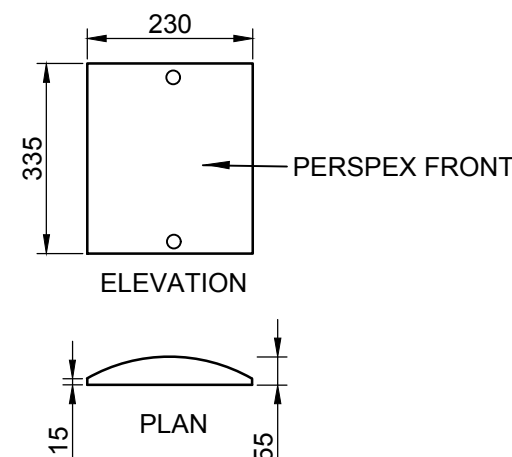
STANDARD INSTALLATION WITH OZ POST PREFERRED OPTION



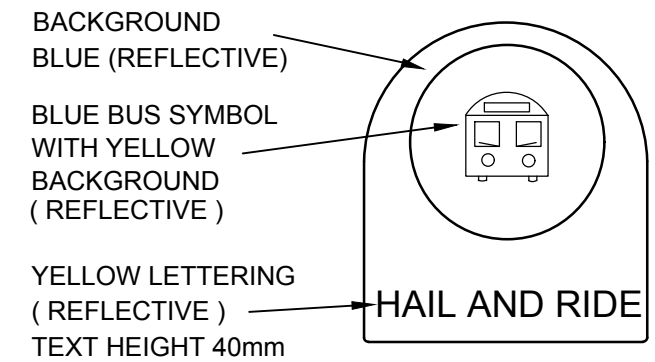
ALTERNATE INSTALLATION WITH CONCRETE FOOTING



NTS PLATE DETAILS

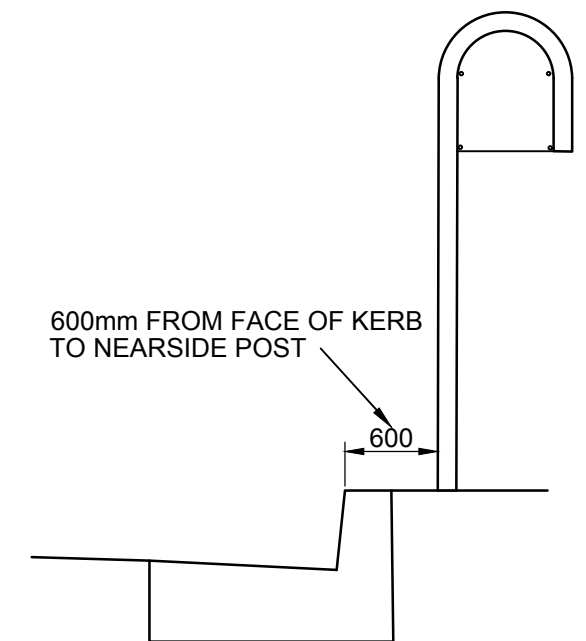


NTS BUS TIMETABLE PLATE



NTS SIGN PLATE MARKING DETAILS

NOTE IDENTICAL LETTERING AND SYMBOLS ON BOTH SIDES OF PLATE

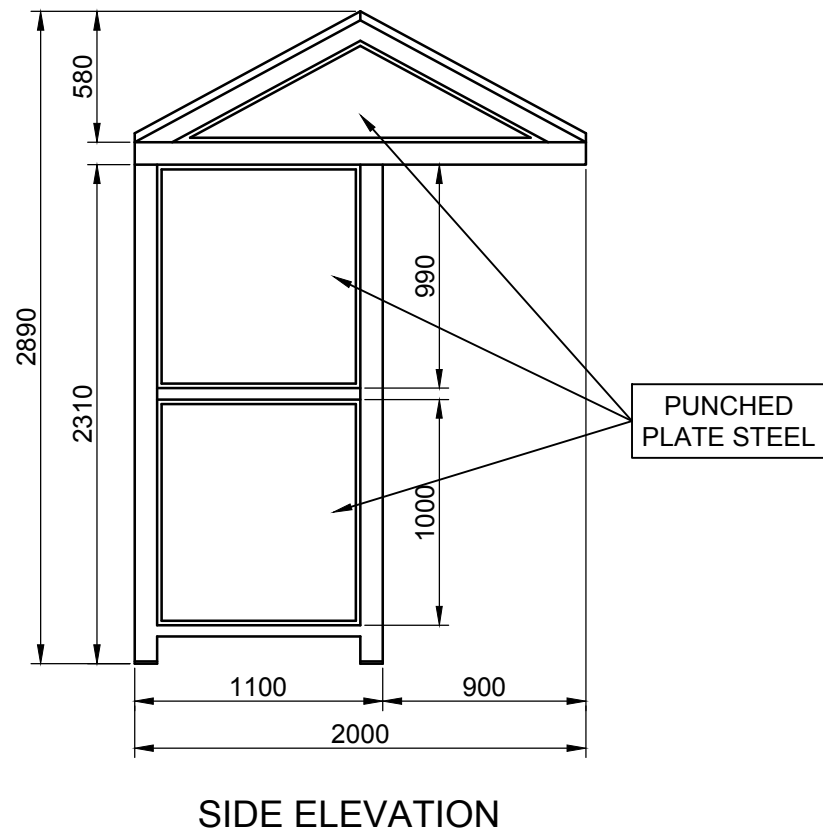
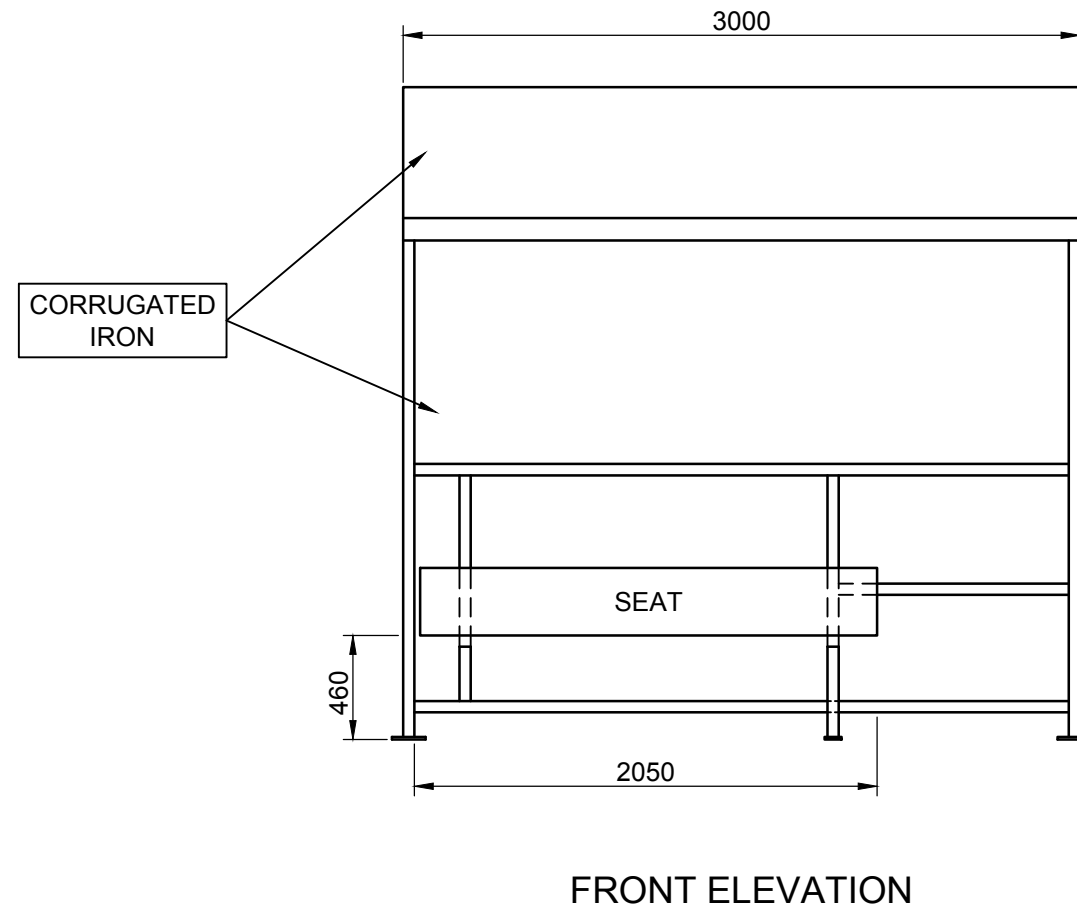
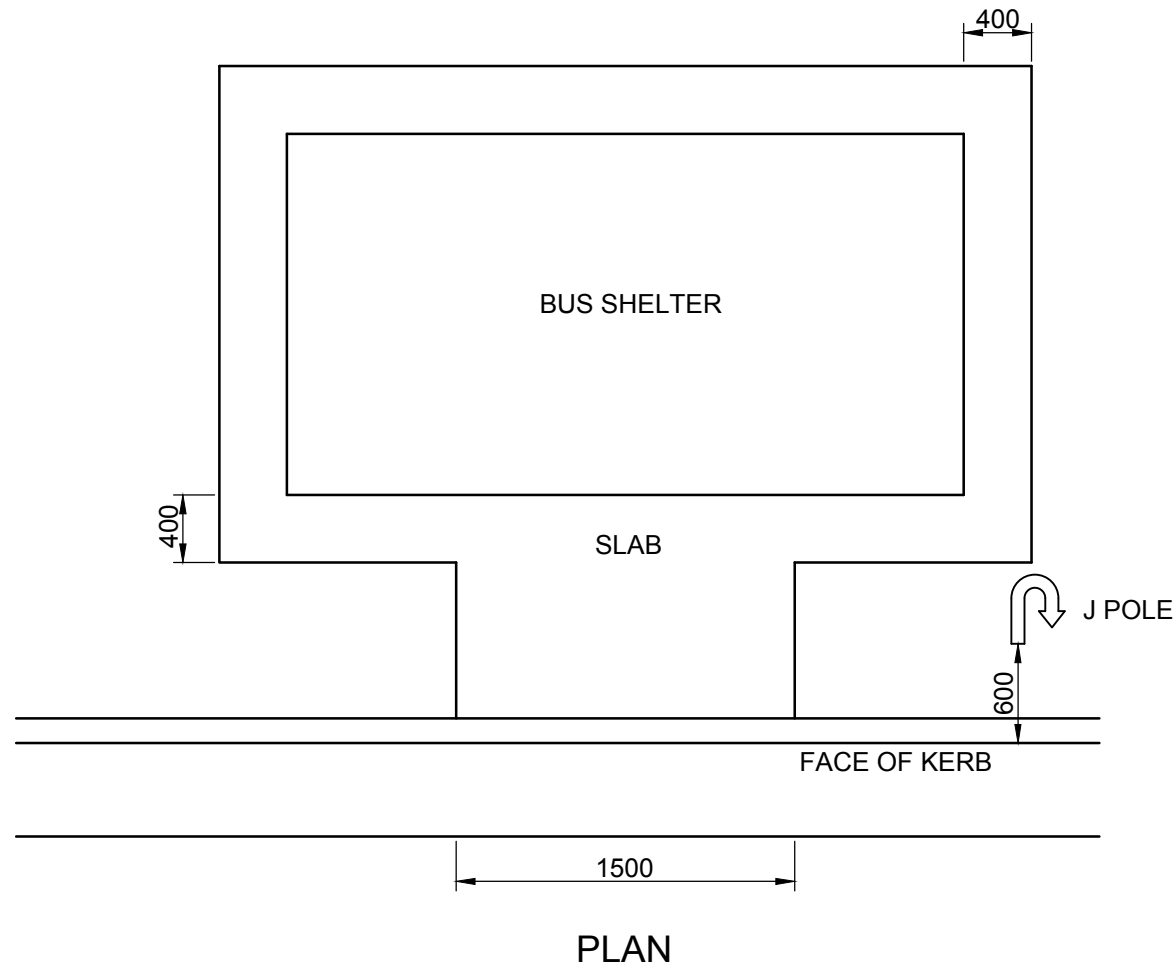


NTS POST LOCATION DETAILS

NOTES

1. STOCK 50mm NB GALVANISED STEEL POSTS WHICH ARE USED FOR THE MOUNTING OF SIGNS ON A SINGLE SUPPORT. POST ARE CRIMPED AS SHOWN TO HALF DIAMETER.
2. A HOLE 600mm DEEP IS DUG, THE POST INSERTED AND HELD VERTICALLY WHILE THE HOLE IS BACKFILLED TO GROUND LEVEL WITH 20MPa CONCRETE. IT IS PREFERABLE FOR THE CONCRETE TO BE ALLOWED TO SET BEFORE THE SIGN IS FASTENED TO THE POST.

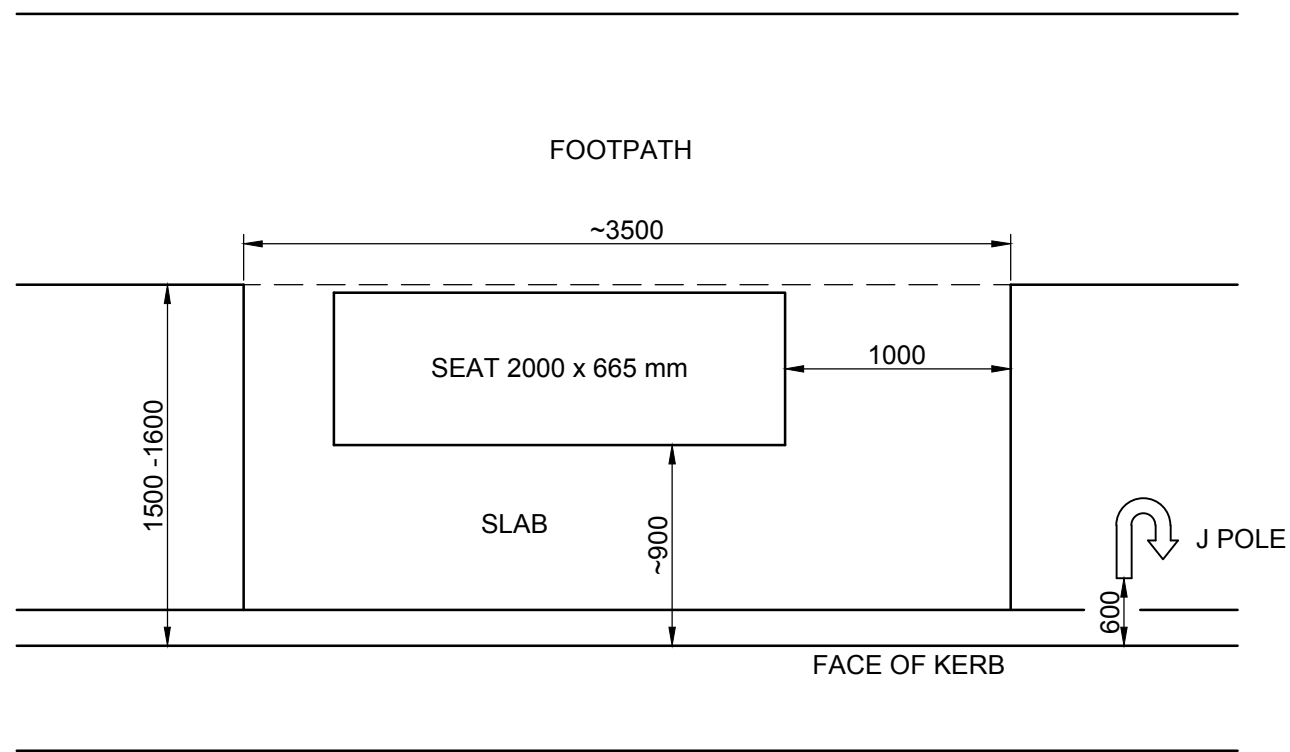
<b>Armidale</b> Dept of Public Regional Council <b>Infrastructure</b>	SCALES	APPROVED	D. MAUNDER	10/11/2016	SHEET 1 OF 1
	NTS	MANAGER ENGINEERING AND STANDARDS SUPPORT		DATE	
<b>BUS STOP J POLE POST AND SIGN DETAIL</b>		SURV	AS SHEET SIZE	DRAWING No	AMDT No
		DRWN	PD	030-078	
		DES	CIM/PJN		
		CHKD	MW	CADFILE 030-078.dwg	DATE 10/11/2016



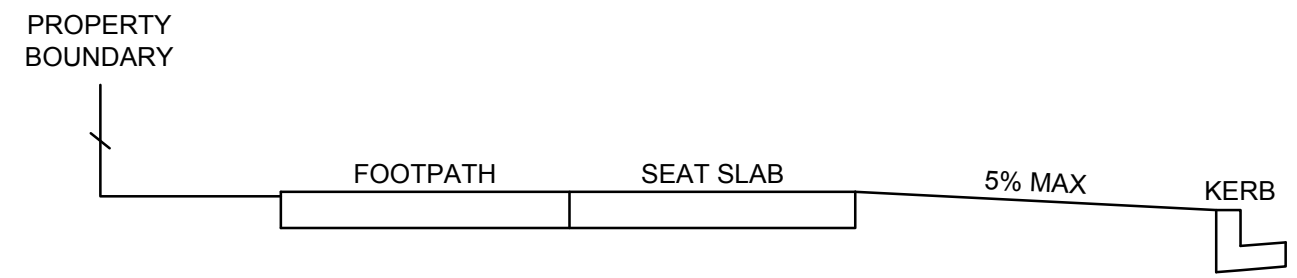
NOTES

1. TYPICAL BUS SHELTER INSTALLATION FABRICATED IN GALVANISED STEEL,  
COLOUR - STRUCTURAL MEMBERS - HERITAGE GREEN  
- INFILL PANELS, SIDE AND INSIDE - HERITAGE CREAM  
- REAR AND ROOF EXTERNAL - HERITAGE RED
2. INSTALL ON 150 mm CONCRETE SLAB, 150 mm, 25 MPa, SL 72

<b>Armidale</b> <i>Dept of Public Infrastructure</i> Regional Council	SCALES NTS	APPROVED D. MAUNDER MANAGER ENGINEERING AND STANDARDS SUPPORT	10/11/2016 DATE	SHEET 1 OF 1	
	<b>STANDARD BUS SHELTER INSTALLATION</b>	SURV	AS SHEET SIZE <b>A3</b>	DRAWING No <b>030-079</b>	AMDT No
		DRWN ST			
		DES			
	CHKD MW	CADFILE 030-079.dwg	DATE 10/11/2016		



PLAN  
N.T.S.



TYPICAL CROSS SECTION  
N.T.S.

NOTES:

1. CONCRETE SLAB 150 mm, 25 MPa, REINFORCED SL72.
2. MINIMUM 600 mm SET BACK FROM FACE OF KERB. UP TO 900 mm WILL ALLOW FOR SEATING ROOM AND MAY ABUT EXISTING FOOTPATH. IF GRADIENT FROM KERB TO SLAB IS GREATER THAN 5%, A DESIGN IS REQUIRED OR SEAT MAY BE LOCATED BEHIND KERB WITH NO RAMP.
3. SEAT TO FACE ROAD ON APPROACH SIDE OF POLE.
4. STANDARD SEAT - TOWN AND PARK "METROSEAT" CAST ALUMINUM WITH CLEAR ANODISED PLANKING, ARM RESTS AND LEG FOOT MOUNTING.

<b>Armidale</b> <i>Dept of Public Infrastructure</i> Regional Council	SCALES NTS	APPROVED <b>D. MAUNDER</b> 10/11/2016 <small>MANAGER ENGINEERING AND STANDARDS SUPPORT</small>	DATE	SHEET 1 OF 1
		SURV	AS SHEET SIZE <b>A3</b>	DRAWING No <b>030-080</b>
<b>STANDARD BUS STOP SEAT ONLY INSTALLATION</b>		DRWN ST		
		DES RM		
		CHKD MW	CADFILE 030-080.dwg	DATE 10/11/2016

2 OFF 38 X 38 X 1800mm  
HARDWOOD STAKES, FREE FROM  
KNOTS, WARPS ETC. STAKES TO  
BE CENTRALLY POINTED, DRIVEN  
VERTICALLY INTO THE GROUND.  
50mm WIDE HESSIAN TIES  
STAPLE TO STAKE MIN 300mm  
FROM BASE OF TRUNK AND AS  
SHOWN.

100mm CONSOLIDATED DEPTH,  
50mm N.S. CHIPPED AGED  
HARDWOOD MULCH. DEPRESS  
TOPSOIL AT EDGE TO ALLOW A  
FULL DEPTH OF MULCH TO  
FINISH FLUSH WITH  
SURROUNDING SURFACE LEVEL.

**WARNING**  
CHECK SERVICE LOCATIONS  
BEFORE DRIVING STAKES

SPECIFIED PLANT STOCK

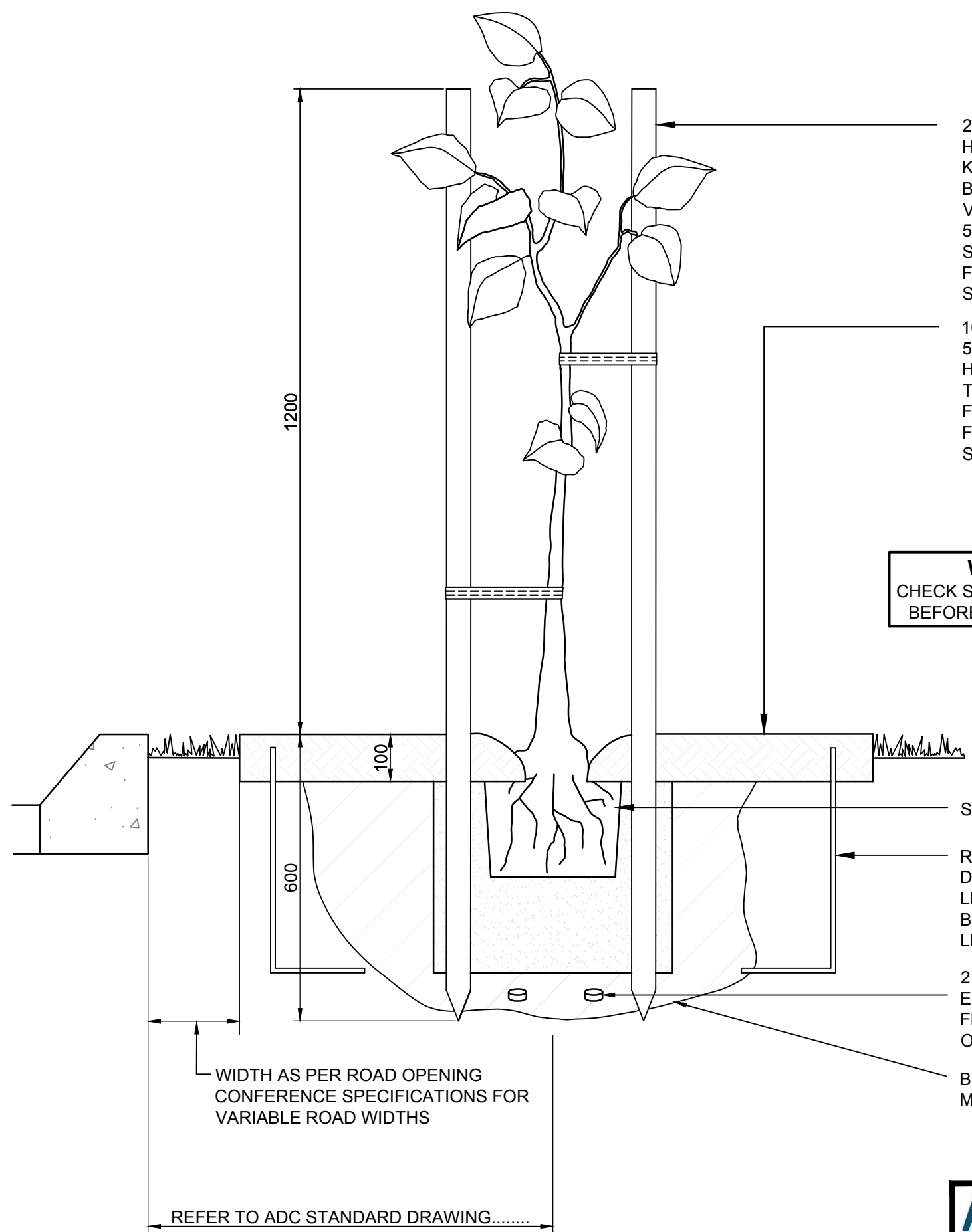
ROOT CONTAINER - MIN 500mm  
DEEP WITH 25mm BELOW SOIL  
LEVEL, UPPER LIP MUST BE  
BELOW FINISHED SURFACE  
LEVEL.

2 X 21g "AGRIFORM" OR  
EQUIVALENT SLOW RELEASE  
FERTILISER TABLETS AT BASE  
OF PLANT ROOTBALL.

BREAK UP SUB GRADE FOR A  
MINIMUM DEPTH OF 200mm

**NOTES**

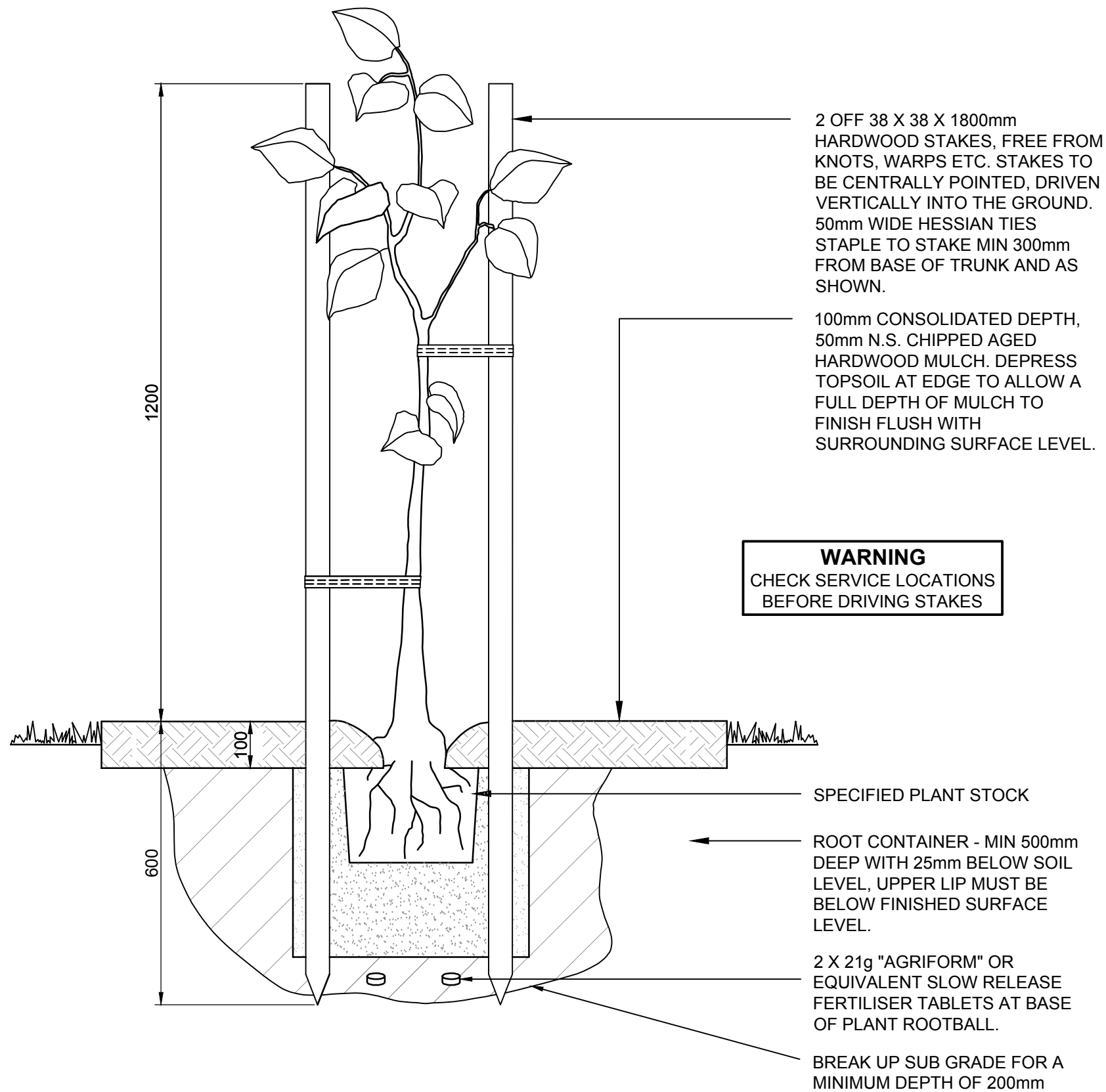
1. FOOTPATH TREE PLANTING SHOULD BE PLANTED AT A RATIO OF 1 TREE PER LOT FOR EACH SUBDIVISION. VARIATION MAY BE MADE TO ACCOMMODATE DRIVEWAYS, AVOID POWER POLES ETC. TO ENSURE EFFECTIVE STREET LIGHTING, PLANT TREES NO CLOSER THAN 7.5m TO A STREET LIGHT. THE TREES SHOULD BE SET BACK FROM THE REAR OF KERB AT A DISTANCE THAT IS IN ACCORDANCE WITH THE SERVICE CORRIDOR STD. DWG.
2. MINIMUM 25 LITRE CONTAINER-ADVANCED PLANT STOCK OR AS SPECIFIED ON APPROVED PLAN.
3. EXCAVATED PLANTING HOLE TO ALLOW CLEARANCE AROUND ROOTBALL. RIP BASE OF HOLE TO 150mm DEPTH TO PROMOTE DRAINAGE. BACKFILL WITH GOOD TOPSOIL AND 2 No. AGRIFORM TABLETS, OR SIMILAR. ENSURE TOP OF ROOTBALL IS INSTALLED FLUSH WITH EXISTING GROUND LEVEL. MOULD EXCAVATED SOIL INTO 1.0m DIAMETER CIRCLE TO CREATE "SAUCER". INSTALL 100mm DEPTH MULCH IN A 1.0m DIAMETER CIRCLE (MINIMUM) AROUND THE BASE OF THE TREE. SECURE TREE TO 38 X 38 X 1.8m HARDWOOD STAKES WITH RUBBER OR HESSIAN TIES. THOROUGHLY WATER TREE AFTER PLATING.
4. THE GOOD QUALITY TOPSOIL SPECIFIED FOR BACKFILLING PLANTING PITS, SHALL BE IMPORTED FROM AN APPROVED SOURCE. IT SHALL BE NATURAL, FRIABLE, SANDY LOAM, WITHOUT A CLAY BASE AND CONTAINING HUMUS. PH SHALL BE BETWEEN 5.5 - 7.0. TOPSOIL SHALL BE FREE FROM ROCK, STICKS, WEEDS, SALT ETC. AND SHALL BE CAPABLE OF SUSTAINING HEALTHY PLANT GROWTH.
5. MULCH SHALL BE AGED WOODCHIP OR SIMILAR, STOCKPILED FOR A MINIMUM OF SIX WEEKS. IT SHALL BE FREE OF ROCKS, NON BIO-DEGRADABLE AND TOXIC MATERIAL.
6. FOR SUITABLE FOOTPATH TREES SEE POLICY 120 OR AS SPECIFIED IN APPROVED LANDSCAPE PLAN.



WIDTH AS PER ROAD OPENING  
CONFERENCE SPECIFICATIONS FOR  
VARIABLE ROAD WIDTHS

REFER TO ADC STANDARD DRAWING.....

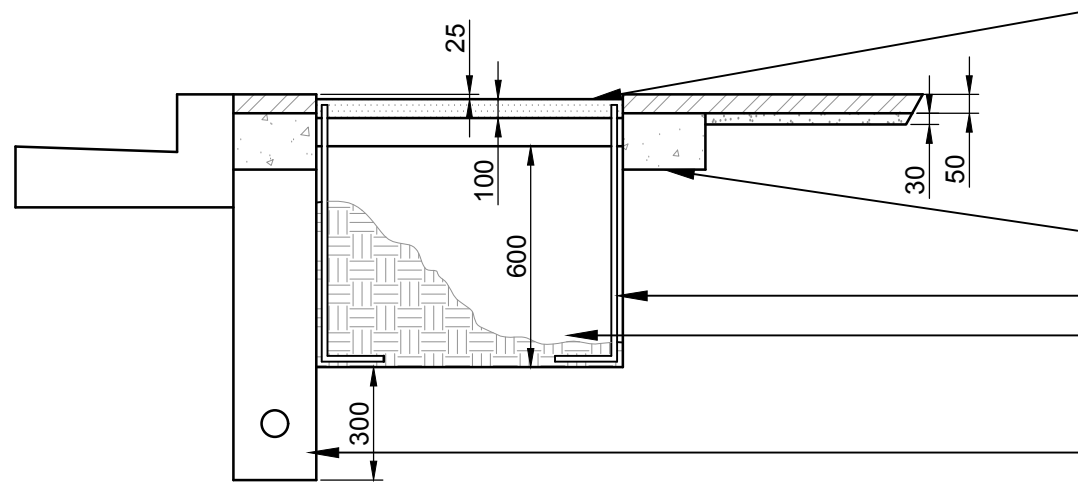
<b>Armidale</b> <i>Dept of Public Regional Council Infrastructure</i>	SCALES NTS	APPROVED D. MAUNDER MANAGER ENGINEERING AND STANDARDS SUPPORT	10/11/2016 DATE	SHEET 1 OF 1
	SURV DRWN GW DES CHKD MW	AS SHEET SIZE <b>A3</b>	DRAWING No <b>030-081</b>	AMDT No
<b>TYPICAL STREET TREE PLANTING WITH ROOT GUARD</b>		CADFILE 030-081.dwg DATE 10/11/2016		



**NOTES**

1. FOR NON STREET TREE PLANTINGS CONSIDER USE OF SPACE, PEDESTRIAN ACCESS, ROOTS, LIGHTING AND SERVICES. WHEN POSITIONING TREES REFER TO LANDSCAPING PLAN FOR THE LOCATION.
2. MINIMUM 25 LITRE CONTAINER-ADVANCED PLANT STOCK OR AS SPECIFIED ON APPROVED PLAN.
3. EXCAVATED PLANTING HOLE TO ALLOW CLEARANCE AROUND ROOTBALL. RIP BASE OF HOLE TO 150mm DEPTH TO PROMOTE DRAINAGE. BACKFILL WITH GOOD TOPSOIL AND 2 No AGRIFORM TABLETS, OR SIMILAR. ENSURE TOP OF ROOTBALL IS INSTALLED FLUSH WITH EXISTING GROUND LEVEL. MOULD EXCAVATED SOIL INTO 1.0m DIAMETER CIRCLE TO CREATE "SAUCER". INSTALL 100mm DEPTH MULCH IN A 1.0m DIAMETER CIRCLE (MINIMUM) AROUND THE BASE OF THE TREE. SECURE TREE TO 38 X 38 X 1.8m HARDWOOD STAKES WITH RUBBER OR HESSIAN TIES. THOROUGHLY WATER TREE AFTER PLATING.
4. THE GOOD QUALITY TOPSOIL SPECIFIED FOR BACKFILLING PLANTING PITS, SHALL BE IMPORTED FROM AN APPROVED SOURCE. IT SHALL BE NATURAL, FRIABLE, SANDY LOAM, WITHOUT A CLAY BASE AND CONTAINING HUMUS. PH SHALL BE BETWEEN 5.5 - 7.0. TOPSOIL SHALL BE FREE FROM ROCK, STICKS, WEEDS, SALT ETC. AND SHALL BE CAPABLE OF SUSTAINING HEALTHY PLANT GROWTH.
5. MULCH SHALL BE AGED WOODCHIP OR SIMILAR, STOCKPILED FOR A MINIMUM OF SIX WEEKS. IT SHALL BE FREE OF ROCKS, NON BIO-DEGRADABLE AND TOXIC MATERIAL.
6. FOR SUITABLE TREES SEE POLICY 120 OR AS SPECIFIED IN APPROVED LANDSCAPE PLAN.

<b>Armidale</b> Dept of Public Regional Council Infrastructure	SCALES	APPROVED	D. MAUNDER	10/11/2016	SHEET 1 OF 1
	NTS	MANAGER ENGINEERING AND STANDARDS SUPPORT		DATE	
<b>TYPICAL NON STREET TREE PLANTING WITHOUT ROOT GUARD</b>	SURV	AS SHEET SIZE	DRAWING No		AMDT No
	DRWN GW	A3	030-082		
	DES				
	CHKD MW	CADFILE 030-082.dwg		DATE 10/11/2016	



100mm DEPTH APPROVED MULCH MATERIAL (UNLESS OTHERWISE SPECIFIED). MULCH TO FINISH 25mm BELOW PAVING LEVEL.

220 X 100mm DEPTH CONCRETE FOOTING TO PERIMETER OF FOOTPATH PLANTER.

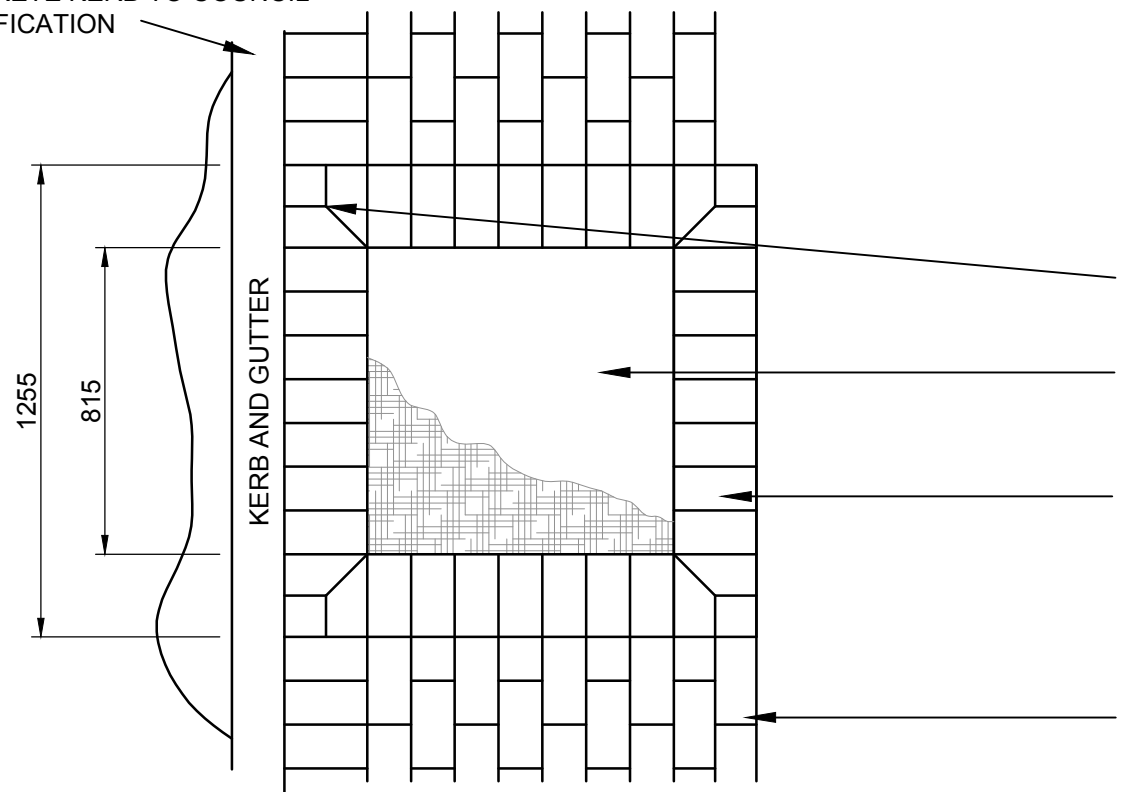
ROOT BARRIER

600mm DEPTH GOOD QUALITY IMPORTED SOIL MIX.

SUBSOIL DRAINAGE TO ADC STANDARD DRAWING TYPICAL DETAILS OF ROAD SUB-SOIL DRAIN XXX-XXX.

SECTION

CONCRETE KERB TO COUNCIL SPECIFICATION



MITRE ALL 90 ANGLES (AS SHOWN)

MULCHED GARDEN BED 815mm SQUARE X 700mm DEPTH, PLANT AS SPECIFIED.

HEADER COURSE LAID ON 220mm WIDTH X 100mm DEPTH CONCRETE FOOTING. FLUSH POINT ALL JOINTS.

PAVING AS SPECIFIED.

PLAN

NOTES

1. TREE PLANTING WITHIN A BRICK PAVED FOOTPATHS
2. INTERNAL DIMENSIONS OF PLANTING PIT: 815mm X 815mm
3. FOOTPATH PLANTERS SHALL USE PAVERS FOR THE HEADER COURSE WHICH MATCH SURROUNDING PAVING TYPE
4. THE PLANTER SHALL BE CONSTRUCTED AS SHOWN IN THE DETAIL OPPOSITE. ATTENTION SHOULD BE GIVEN TO THE CONCRETE FOOTING BENEATH THE HEADER COURSE. WHICH SHOULD FINISH FLUSH WITH THE INSIDE EDGE OF PAVERS.
5. PLAN SPECIES TO BE NOMINATED BY ARMIDALE REGIONAL COUNCIL. MINIMUM POT SIZE SHOULD BE 200mm (ADVANCED STOCK). WHEN PLANTING, THE EXISTING SOIL LINE WITHIN THE CONTAINERS SHOULD FINISH AT A LEVEL 100mm BELOW THE ADJACENT PAVING LEVEL.

<b>Armidale</b> <i>Dept of Public Infrastructure</i> Regional Council	SCALES NTS	APPROVED D. MAUNDER MANAGER ENGINEERING AND STANDARDS SUPPORT 10/11/2016 DATE	SHEET 1 OF 1
	<b>PLANTER BOX PAVED FOOTPATH</b>		AS SHEET SIZE <b>A3</b>
		DRAWING No <b>030-083</b>	AMDT No
		SURV DRWN GW DES CHKD MW	CADFILE 030-083.dwg DATE 10/11/2016