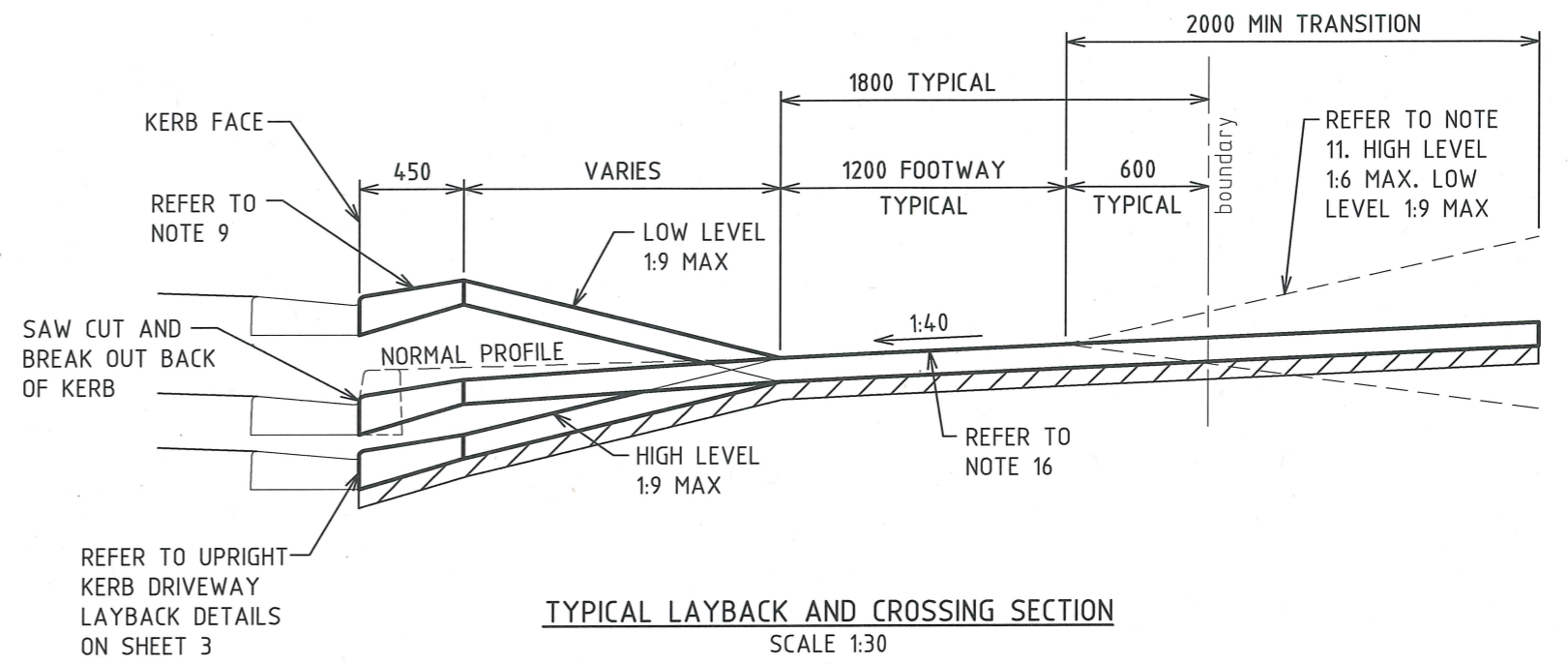


REFER TO SHEET 2 FOR APPROACH SPLAY DETAIL WHERE REQUIRED
UPRIGHT KERB AND GUTTER
 SCALE 1:50



TYPICAL LAYBACK AND CROSSING SECTION
 SCALE 1:30

NOTES

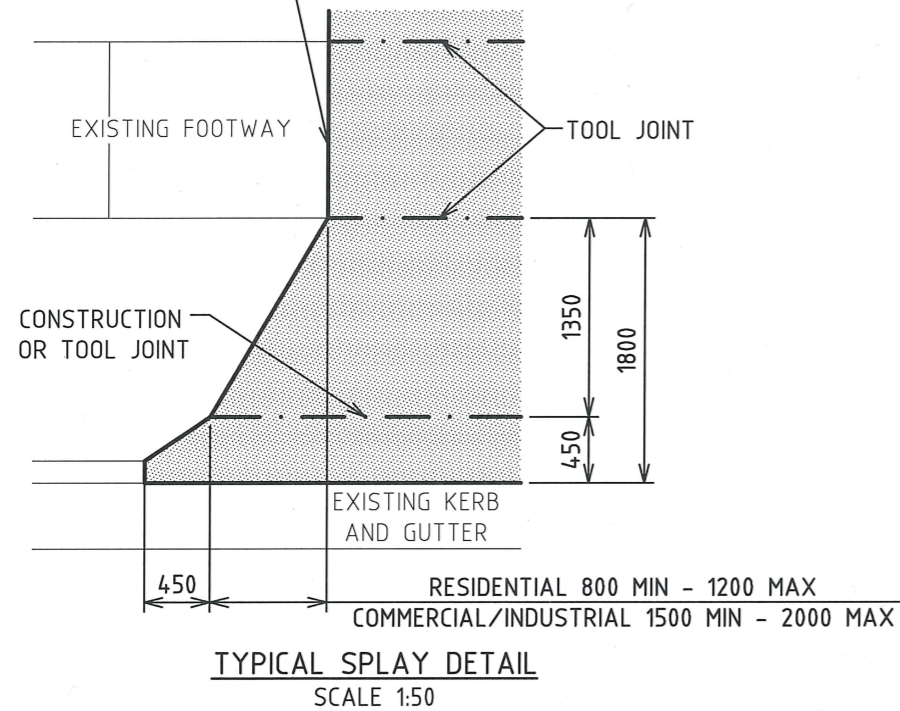
1. THE APPLICANT / CONTRACTOR MUST OBTAIN DRIVEWAY APPROVAL.
2. DRIVEWAY GRADES ARE TO BE DESIGNED IN ACCORDANCE WITH COUNCIL'S DRIVEWAY APPROVAL LETTER AND THE AUSTRALIAN STANDARD AS2890.1.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH COUNCIL'S DRIVEWAY APPROVAL LETTER AND SPECIFICATION FOR CONSTRUCTION OF VEHICULAR CROSSINGS.
4. CROSSINGS ARE TO BE CONSTRUCTED IN PLAIN CONCRETE WITH A BROOM FINISH AND ALL EDGES TO BE BEVELED (5-10mm).
5. ALTERNATIVE TREATMENTS / MATERIALS SUCH AS PATTERNED OR COLORED CONCRETE, EXPOSED AGGREGATE AND STENCILING. MAY BE CONSIDERED. STAMPED CONCRETE, ASPHALTIC CONCRETE AND SEALER ARE NOT PERMITTED.
6. CONCRETE STRENGTH TO BE 25Mpa AT 28 DAYS.
7. PARALLEL AND TRANSVERSE TOOL JOINTS TO BE PROVIDED AT MAXIMUM SPACING OF 3000mm.
8. EXPANSION JOINTS TO BE PROVIDED AGAINST ALL EXISTING CONCRETE PAVING (REFER TO STANDARD DRAWING A1400 FOR SPECIFICATIONS).
9. LAYBACK WIDTH MAY BE REDUCED TO 150mm AND LAYBACK HEIGHT REDUCED TO 80mm, ON LOW LEVEL FOOTWAYS, WITH APPROVAL OF COUNCIL. ASSESSMENT MUST FIRST BE UNDERTAKEN TO DETERMINE RISK OF STORMWATER OVERTOPPING THE LAYBACK.
10. DRIVEWAY CROSSINGS TO BE SQUARE (90°) TO THE KERB LINE. VARIATIONS WILL ONLY BE ALLOWED IN EXCEPTIONAL CIRCUMSTANCES AND MUST BE APPROVED BY COUNCIL.
11. GRADIENT OVER LAST 600mm AT BOUNDARY MAY BE INCREASED AS NOTED TO ASSIST WITH ACCESS, WHERE APPROVED BY COUNCIL - EXCEPT IN COMMERCIAL / SHOPPING PRECINCTS AND FULL WIDTH FOOTWAYS.
12. ANY ALTERATIONS WITHIN THE PROPERTY ARE THE OWNERS RESPONSIBILITY.
13. IN COMMERCIAL / SHOPPING PRECINCTS WITH FULL WIDTH FOOTWAY PAVING THE CROSS FALL OVER THE LAST 1800mm TO THE PROPERTY BOUNDARY MAY BE INCREASED FROM THE RECOMMENDED 1 IN 40 GRADE TO MATCH THE EXISTING FOOTWAY CROSS FALL; UP TO A MAXIMUM OF 1 IN 16.5 (6.0%).
14. INDUSTRIAL CROSSINGS MUST HAVE A "NORMAL" FOOTWAY PROFILE. HIGH LEVEL OR LOW LEVEL PROFILES ARE NOT PERMITTED.
15. HEIGHT OF BULL NOSE MAY BE INCREASED IN EXCEPTIONAL CIRCUMSTANCES TO AID VEHICULAR ACCESS (RANGE 25-50mm) WITH THE APPROVAL OF COUNCIL. BULL NOSE MAY BE DELETED ON RESIDENTIAL DRIVEWAYS ONLY, WHERE THE OWNER ADVISES THE DRIVEWAY IS TO BE USED FOR WHEELCHAIR ACCESS.
16. THE DRIVEWAY PROFILE MUST INCORPORATE A 1200 WIDE SECTION AT A GRADE OF 1:40 (EVEN WHERE THERE IS NO FOOT PAVING) TO FACILITATE FUTURE FOOTWAY PAVING CONSTRUCTION.

SLAB THICKNESS, REINFORCEMENT & WIDTH			
CROSSING TYPE	MINIMUM THICKNESS (mm)	MINIMUM REINFORCEMENT	CROSSING WIDTH (▲ REFER TO NOTE)
RESIDENTIAL SINGLE	100	SL72 TOP - 40 COVER	2500 MIN - 3000 MAX
RESIDENTIAL DOUBLE	100	SL72 TOP - 40 COVER	2500 MIN - 4500 MAX
COMMERCIAL	150	SL82 TOP - 40 COVER	3000 MIN - 6000 MAX
INDUSTRIAL	150	SL82 TOP - 40 COVER	AS APPROVED - 4000 MIN

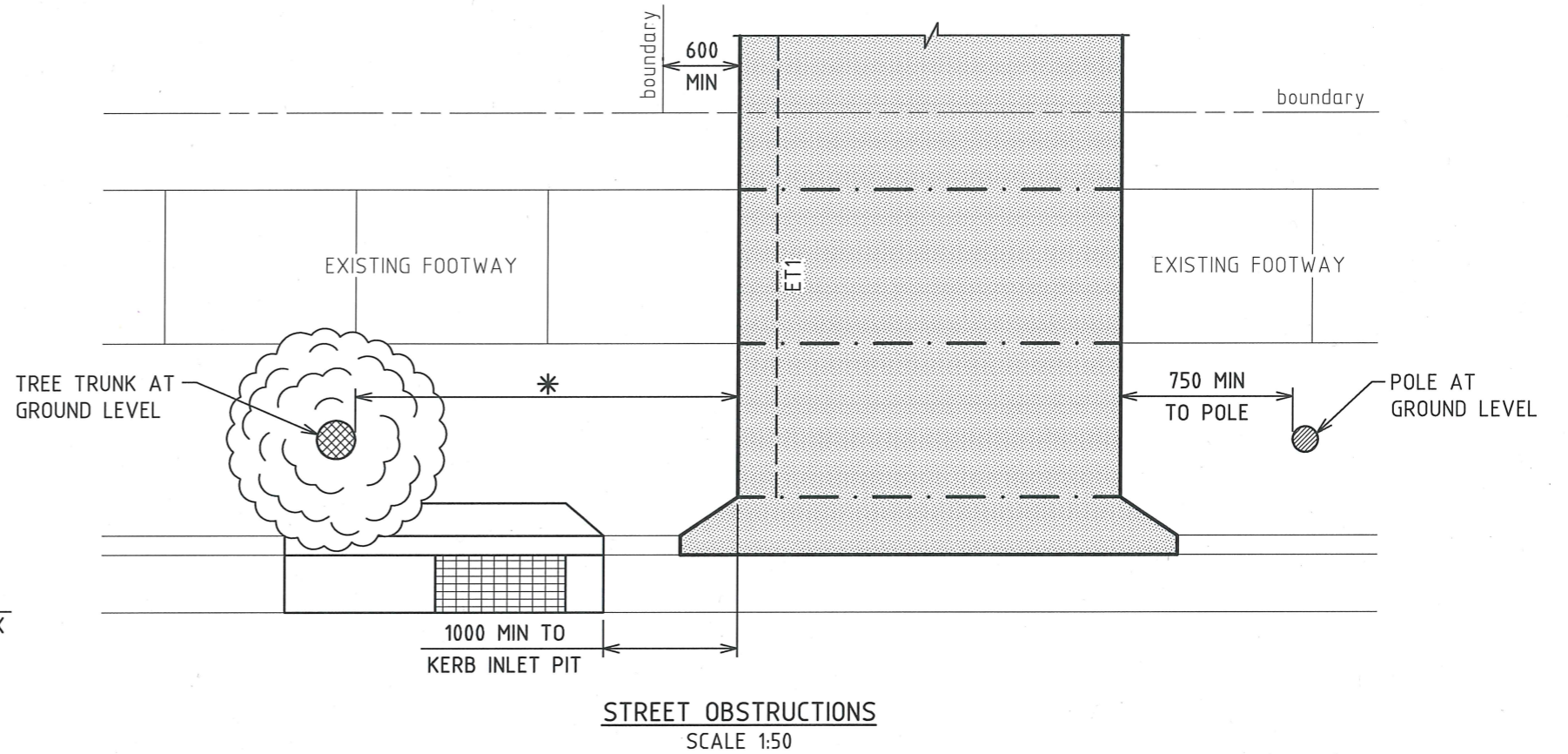
▲ DENOTES WIDTHS MAY BE VARIED WHERE SPECIFIED IN DEVELOPMENT APPROVAL OR BY THE CITY OF NEWCASTLE PRIVATE WORKS COORDINATOR

<table border="1"> <thead> <tr> <th>No.</th> <th>AMENDMENT DETAILS</th> <th>DATE</th> <th>INITIALS</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>GENERAL REVISION</td> <td>18.08.15</td> <td>T.A.</td> </tr> <tr> <td>1</td> <td>GENERAL REVISION</td> <td>05.07.14</td> <td>T.A.</td> </tr> <tr> <td>0</td> <td>CONSTRUCTION</td> <td>29.04.14</td> <td>T.A.</td> </tr> </tbody> </table>				No.	AMENDMENT DETAILS	DATE	INITIALS	2	GENERAL REVISION	18.08.15	T.A.	1	GENERAL REVISION	05.07.14	T.A.	0	CONSTRUCTION	29.04.14	T.A.	<p>SCALE AS SHOWN</p>				<p>APPROVED: <i>[Signature]</i> SIGNED: _____ INFRASTRUCTURE MANAGEMENT SERVICES MANAGER DATE: 21/8/15</p>		<p>THE CITY OF NEWCASTLE DRIVEWAY CROSSING STANDARD DESIGN DETAILS</p>		<p>NCC PLAN No. A1300</p>		<p>SHEET No. 1 OF 4 SHEETS</p>	
No.	AMENDMENT DETAILS	DATE	INITIALS																												
2	GENERAL REVISION	18.08.15	T.A.																												
1	GENERAL REVISION	05.07.14	T.A.																												
0	CONSTRUCTION	29.04.14	T.A.																												
<p>A3 ORIGINAL THIS SHEET WAS PREPARED IN COLOUR AND WILL BE INCOMPLETE IF COPIED</p>				<p>COORDINATE SYSTEM:</p>		<p>HEIGHT DATUM: AHD</p>		<p>REVIEWED: J.C.</p>		<p>AMENDMENT No.</p>																					

REFER TO STANDARD DRAWING A1400 FOR FOOTWAY PAVING REPAIR DETAILS TYPICAL



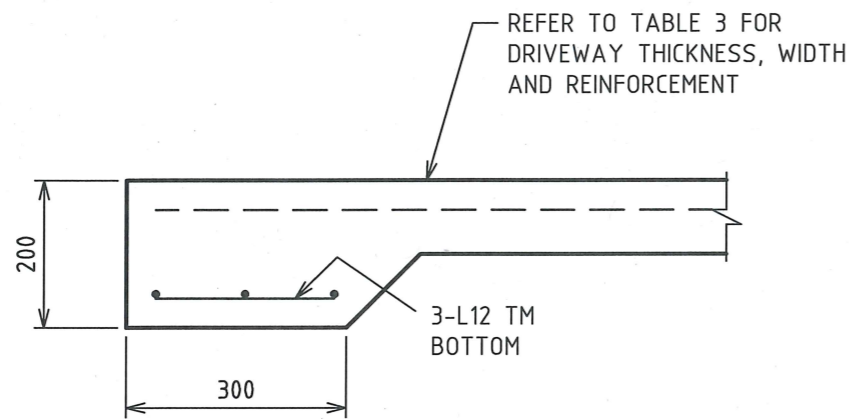
SPLAY NOTE
 SPLAY TO BE PROVIDED ON APPROACH SIDE OF SINGLE VEHICLE DRIVEWAYS ONLY WHERE DIRECTED BY COUNCIL. SPLAYS NOT RECOMMENDED ON DUAL VEHICLE DRIVEWAYS. SPLAYS GENERALLY REQUIRED ON STATE AND REGIONAL ROADS



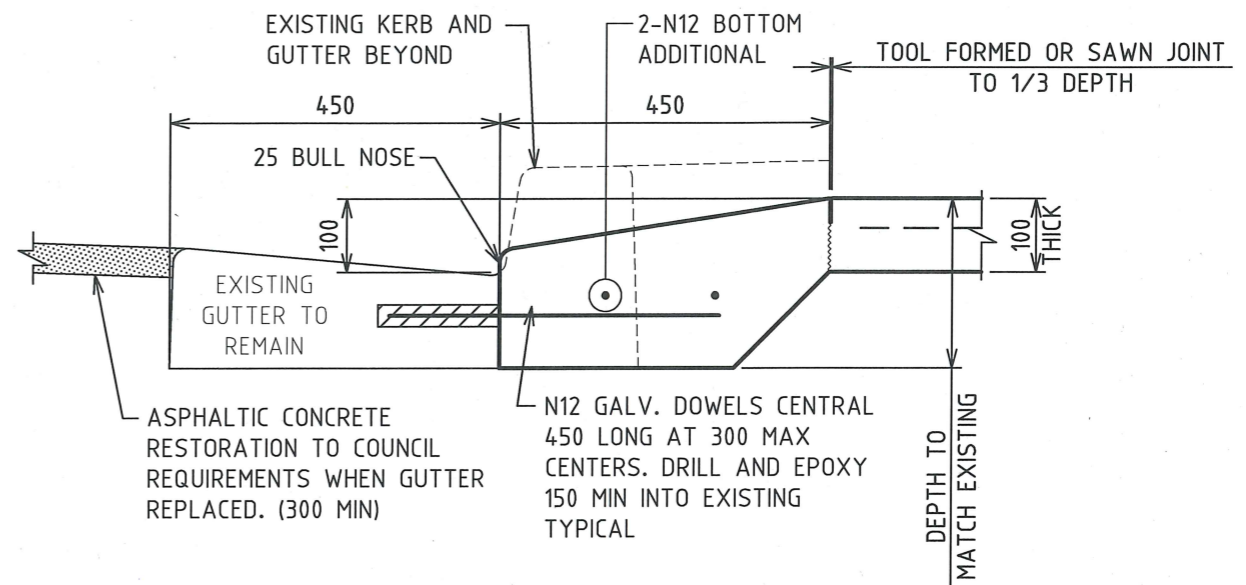
STREET OBSTRUCTION NOTE
 FURTHER ADVICE MAY BE REQUIRED REGARDING THE OFFSET TO STREET TREES

* DENOTES 3000 MINIMUM CLEARANCE TO TREE TRUNK. OTHERWISE 2000 MINIMUM CLEARANCE IF A DRIVEWAY EDGE THICKENING IS PROVIDED IN A NEW SUBDIVISION. A NEW SUBDIVISION IS DEFINED AS CONSTRUCTED WITHIN 5 YEARS OF INITIAL ROAD CONSTRUCTION ADJOINING THE PROPERTY

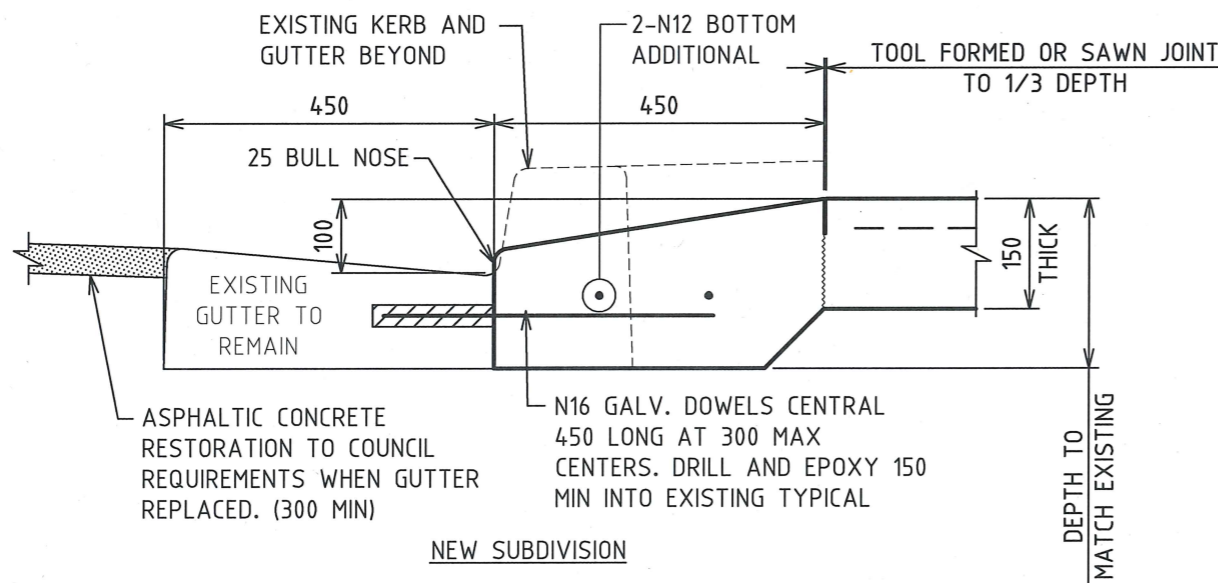
<table border="1"> <tr> <td>2</td> <td>GENERAL REVISION</td> <td>18.08.15</td> <td>T.A.</td> </tr> <tr> <td>1</td> <td>GENERAL REVISION</td> <td>05.07.14</td> <td>T.A.</td> </tr> <tr> <td>0</td> <td>CONSTRUCTION</td> <td>29.04.14</td> <td>T.A.</td> </tr> <tr> <td>No.</td> <td>AMENDMENT DETAILS</td> <td>DATE</td> <td>INITIALS</td> </tr> </table>				2	GENERAL REVISION	18.08.15	T.A.	1	GENERAL REVISION	05.07.14	T.A.	0	CONSTRUCTION	29.04.14	T.A.	No.	AMENDMENT DETAILS	DATE	INITIALS	<p>SCALE AS SHOWN</p>		<p>APPROVED: <i>[Signature]</i> SIGNED: _____ INFRASTRUCTURE MANAGEMENT SERVICES MANAGER DATE: 21/8/15</p>	<p>THE CITY OF NEWCASTLE DRIVEWAY CROSSING STANDARD DESIGN DETAILS</p>	<p>NCC PLAN No. A1300</p>	<p>SHEET No. 2 OF 4 SHEETS</p>
2	GENERAL REVISION	18.08.15	T.A.																						
1	GENERAL REVISION	05.07.14	T.A.																						
0	CONSTRUCTION	29.04.14	T.A.																						
No.	AMENDMENT DETAILS	DATE	INITIALS																						
<p>A3 ORIGINAL THIS SHEET WAS PREPARED IN COLOUR AND WILL BE INCOMPLETE IF COPIED</p>				<p>COORDINATE SYSTEM:</p>	<p>HEIGHT DATUM: AHD</p>	<p>REVIEWED: J.C.</p>	<p>AMENDMENT No.</p>																		



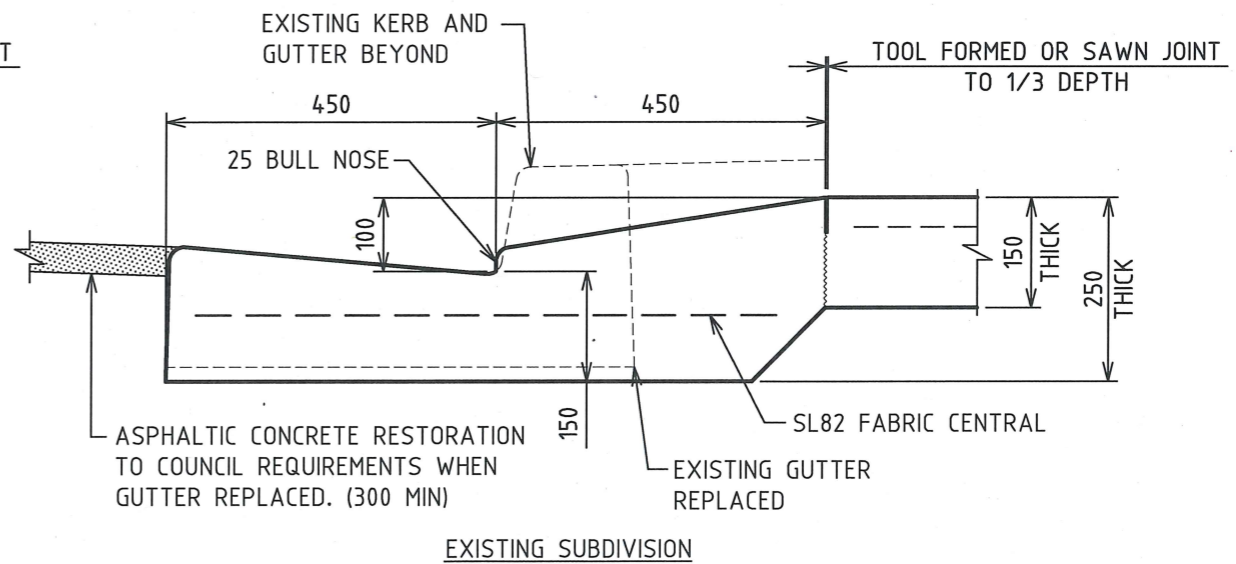
DRIVEWAY CROSSING EDGE THICKENING - ET1
SCALE 1:10



**UPRIGHT KERB & GUTTER
RESIDENTIAL DRIVEWAY LAYBACK**
SCALE 1:10



NEW SUBDIVISION



EXISTING SUBDIVISION

A NEW SUBDIVISION IS DEFINED AS CONSTRUCTED WITHIN 5 YEARS OF INITIAL ROAD CONSTRUCTION ADJOINING THE PROPERTY

UPRIGHT KERB & GUTTER COMMERCIAL AND INDUSTRIAL DRIVEWAY LAYBACK
SCALE 1:10

2	GENERAL REVISION	18.08.15	T.A.
1	GENERAL REVISION	05.07.14	T.A.
0	CONSTRUCTION	29.04.14	T.A.
No.	AMENDMENT DETAILS	DATE	INITIALS

SCALE
AS SHOWN

COORDINATE SYSTEM:
HEIGHT DATUM: AHD

The City of Newcastle
INFRASTRUCTURE MANAGEMENT SERVICES

REVIEWED: J.C.

APPROVED:

SIGNED: *[Signature]*
INFRASTRUCTURE MANAGEMENT SERVICES MANAGER

DATE: 2/8/15

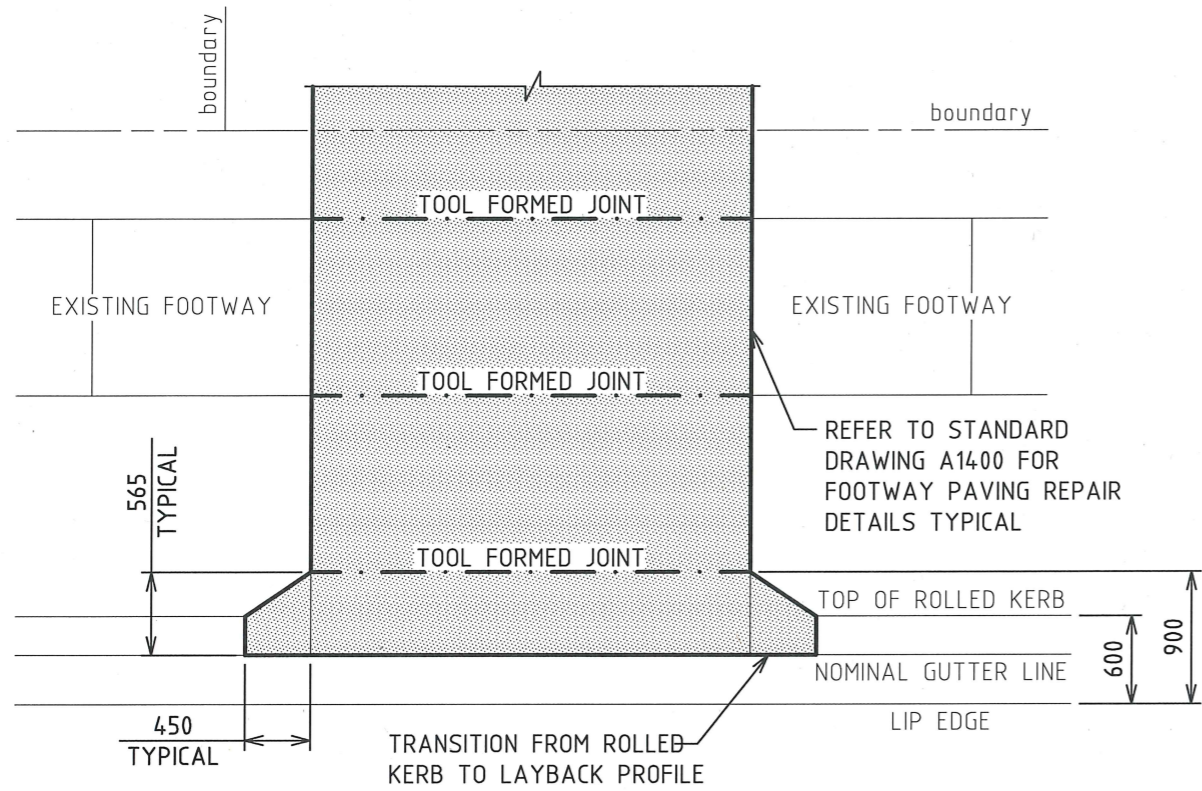
THE CITY OF NEWCASTLE

**DRIVEWAY CROSSING STANDARD
DESIGN DETAILS**

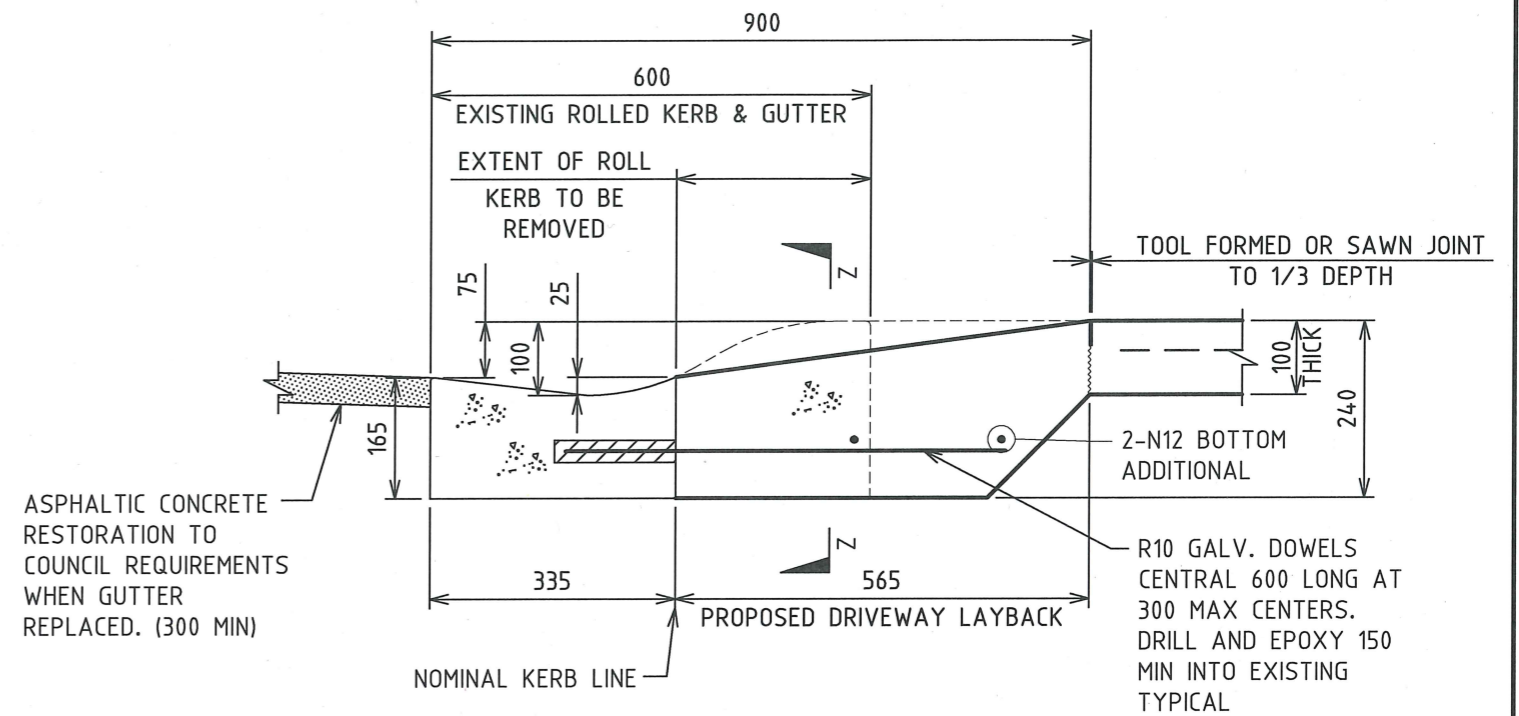
NCC PLAN No.
A1300

AMENDMENT No.

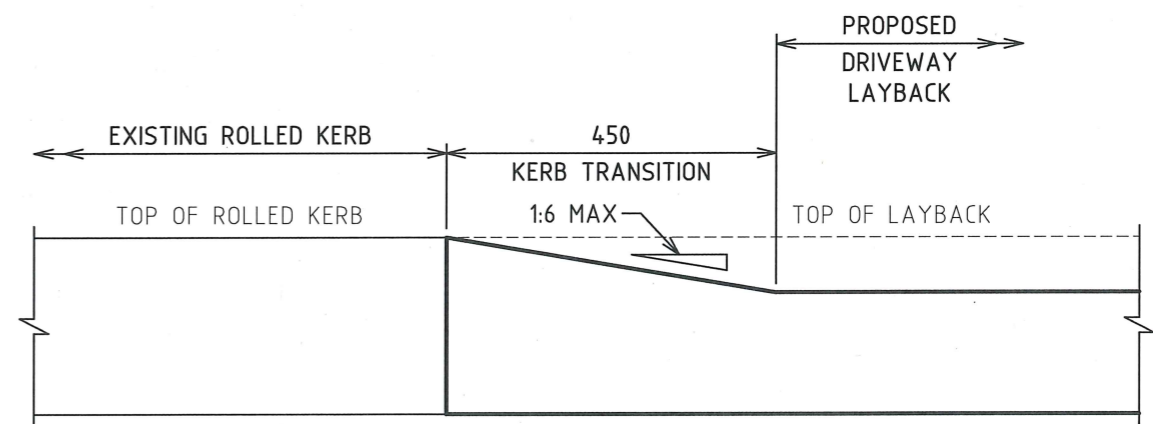
SHEET No.
3
OF
4
SHEETS



ROLLED KERB AND GUTTER
SCALE 1:50



**ROLLED KERB & GUTTER
RESIDENTIAL DRIVEWAY LAYBACK**
SCALE 1:10



VIEW Z - Z
SCALE 1:10

<table border="1"> <tr> <td>2</td> <td>GENERAL REVISION</td> <td>18.08.15</td> <td>T.A.</td> </tr> <tr> <td>1</td> <td>GENERAL REVISION</td> <td>05.07.14</td> <td>T.A.</td> </tr> <tr> <td>0</td> <td>CONSTRUCTION</td> <td>29.04.14</td> <td>T.A.</td> </tr> <tr> <td>No.</td> <td>AMENDMENT DETAILS</td> <td>DATE</td> <td>INITIALS</td> </tr> </table>				2	GENERAL REVISION	18.08.15	T.A.	1	GENERAL REVISION	05.07.14	T.A.	0	CONSTRUCTION	29.04.14	T.A.	No.	AMENDMENT DETAILS	DATE	INITIALS	<p>SCALE AS SHOWN</p>		<p>APPROVED: <i>[Signature]</i> SIGNED: INFRASTRUCTURE MANAGEMENT SERVICES MANAGER DATE: 21/8/15</p>	<p>THE CITY OF NEWCASTLE DRIVEWAY CROSSING STANDARD DESIGN DETAILS</p>	<p>NCC PLAN No. A1300</p>	<p>SHEET No. 4 OF 4 SHEETS</p>
2	GENERAL REVISION	18.08.15	T.A.																						
1	GENERAL REVISION	05.07.14	T.A.																						
0	CONSTRUCTION	29.04.14	T.A.																						
No.	AMENDMENT DETAILS	DATE	INITIALS																						
A3 ORIGINAL THIS SHEET WAS PREPARED IN COLOUR AND WILL BE INCOMPLETE IF COPIED		COORDINATE SYSTEM:	HEIGHT DATUM: AHD	REVIEWED: J.C.	AMENDMENT No.																				