

UTILITY UNDER ROAD PLAN
SCALE 1:100

NOTES

1. NOT APPLICABLE WHEN TREES ARE PLANTED IN PARKING LANES.
2. THIS DRAWING IS NOT APPLICABLE OR TO BE USED ON RMS CONTROLLED ROADS. A ROAD OCCUPANCY LICENSE MUST ALSO BE OBTAINED FROM RMS.
3. WEARING SURFACE RESTORATION MUST BE TO LIP OF GUTTER, LANE LINES, CENTRE LINE, MID LANE OR EDGE OF PARKING LANE.
4. PAVEMENT JOINTS ARE TO BE LOCATED AT LANE LINES AND MID LANE. PAVEMENT JOINTS ARE NOT PERMITTED ALONG WHEEL PATHS.
5. ANY TRENCH EXCAVATION WITHIN 1.5m OF LIP OF GUTTER MUST RESTORE WEARING SURFACE TO LIP OF GUTTER
6. PERMANENT RESTORATION TO BE ASPHALTIC CONCRETE TO MATCH EXISTING;
 - 50mm AC14 (BUS)
 - 40mm AC10 (RESIDENTIAL)
7. TEMPORARY RESTORATION MAY BE COLD MIX SUBJECT TO COUNCIL SUPERVISING OFFICERS REQUIREMENTS.
8. WHERE NON METAL SERVICES ARE USED A TRACE WIRE IS TO BE PROVIDED TO ASSIST WITH THE FUTURE LOCATION OF THE SERVICE.
9. PIPES INSTALLED UNDER THE ROAD ARE TO BE SLEEVED AND GROUTED TO MAINTAIN A WATER TIGHT SEAL TO THE EXTREMITIES OF THE ROAD RESERVE IN CASE OF PIPE FAILURE.
10. WHERE ROAD CROSSINGS ARE MADE, PERMANENT MARKERS ARE TO BE PROVIDED AT THE ENTRY AND EXIT POINTS OF THE ROAD IDENTIFYING THE TYPE OF SERVICE INSTALLED ie. W,G,T & E. THE LINE IS TO CROSS THE ROAD IN A STRAIGHT LINE AS CLOSE TO PERPENDICULAR TO TRAFFIC FLOW AS POSSIBLE.
11. ALL NEW SERVICES INSTALLED IN THE ROAD BY OPEN TRENCHING MUST HAVE MARKER TAPE 300mm ABOVE THE NEW SERVICE.
12. MINIMUM DEPTH FOR SERVICE IN ROAD IS 900mm UNLESS NOTED OTHERWISE.
13. MINIMUM UTILITY DEPTH UNDER COLLECTOR, REGIONAL ROADS AND BUS ROUTES TO BE 1200mm.
14. INCREASED UTILITY DEPTH MAY BE REQUIRED WHERE EXISTING UTILITIES AND DRAINAGE EXIST OR TO PROVIDE REQUIRED CLEARANCES.
15. INSTALLER TO OBTAIN ALL RELEVANT DBYD UTILITY PLANS AND COUNCIL DRAINAGE PLANS (IF APPLICABLE) FOR THE AREA TO BE DRILLED OR TRENCHED)
16. INSTALLER SHALL BE LIABLE FOR ANY DAMAGE TO EXISTING INFRASTRUCTURE CAUSED DURING INSTALLATION PROCESS.

No.	AMENDMENT DETAILS	DATE	INITIALS
1	GENERAL REVISION	05.07.16	T.A.
0	CONSTRUCTION	29.04.14	T.A.

A3 ORIGINAL THIS SHEET WAS PREPARED IN COLOUR AND WILL BE INCOMPLETE IF COPIED

SCALE
AS SHOWN

COORDINATE SYSTEM: HEIGHT DATUM: AHD

INFRASructure MANAGEMENT SERVICES

REVIEWED: J.C.

APPROVED: *[Signature]*

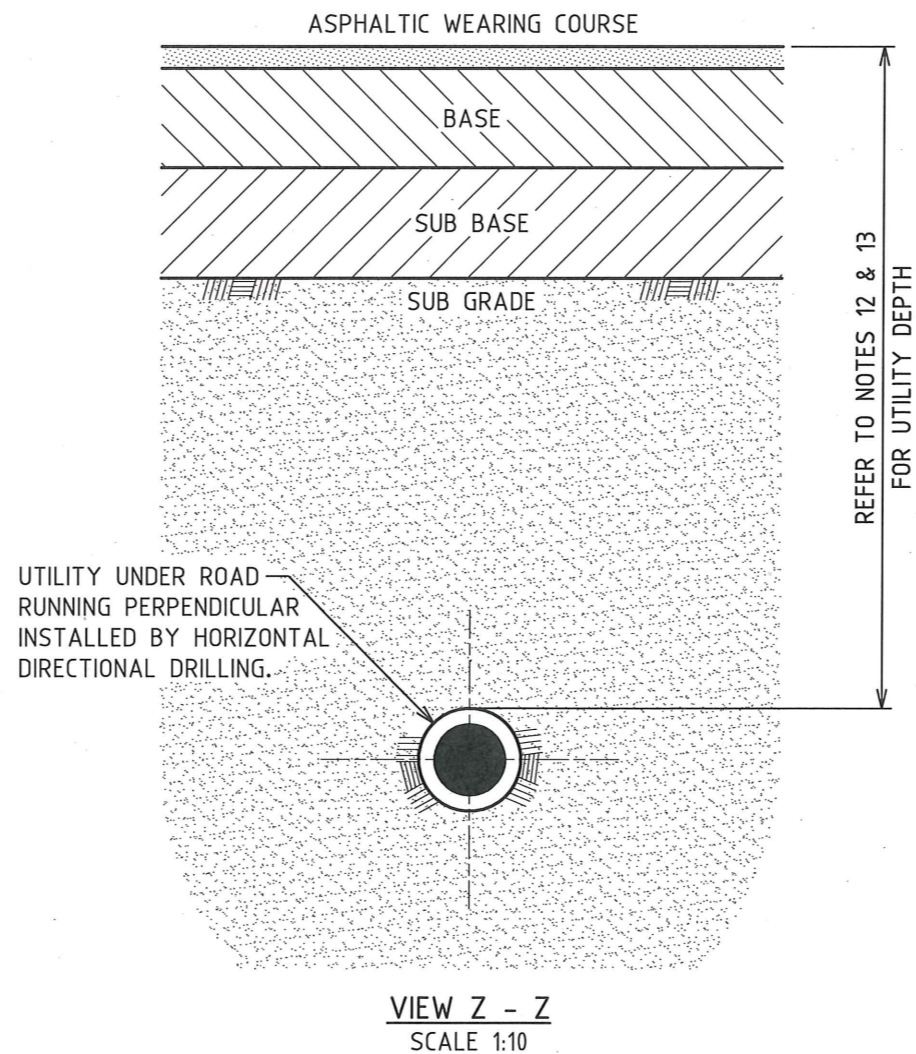
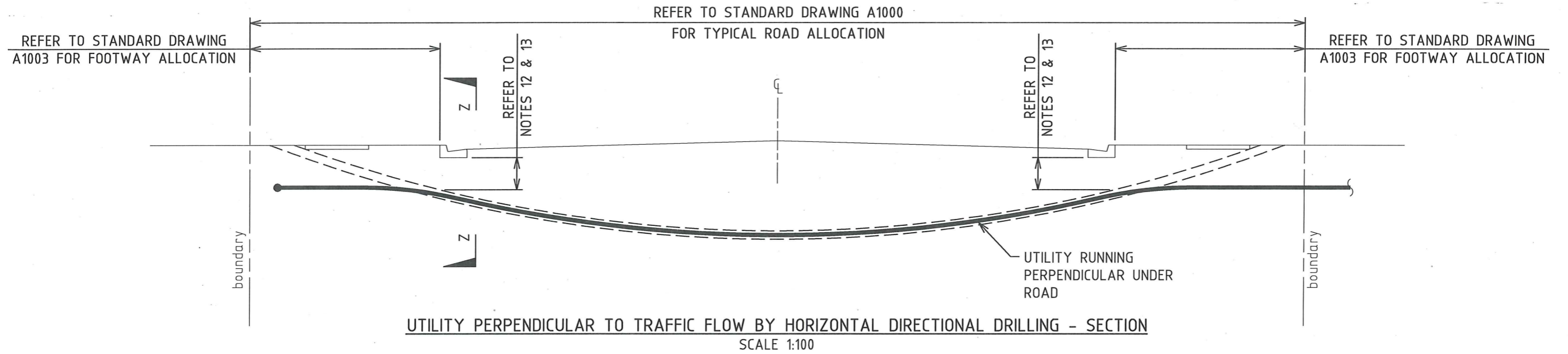
SIGNED: _____
INFRASructure MANAGEMENT SERVICES MANAGER

DATE: 29.09.2016

THE CITY OF NEWCASTLE

UTILITIES ROAD CROSSING EXISTING ROADS

NCC PLAN No.	SHEET No.
A1103	1 OF 5 SHEETS
AMENDMENT No.	



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0	CONSTRUCTION	29.04.14	T.A.
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REVIEWED: J.C.

APPROVED: *[Signature]*

SIGNED: INFRASTRUCTURE MANAGEMENT SERVICES MANAGER

DATE: 29.09.2016

THE CITY OF NEWCASTLE

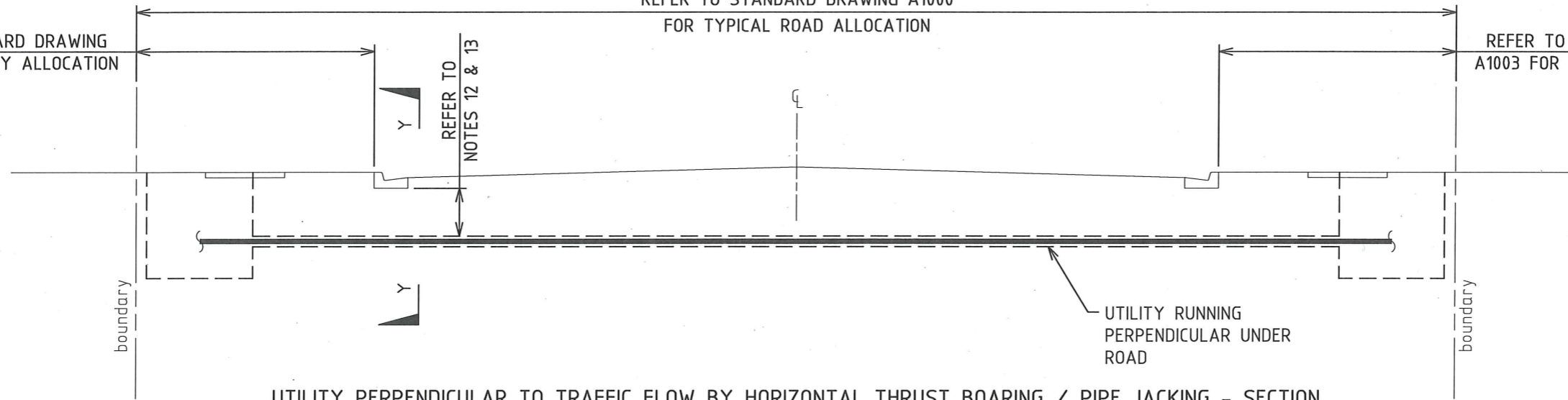
UTILITIES ROAD CROSSING EXISTING ROADS

NCC PLAN No.	SHEET No.
A1103	2 OF 5
AMENDMENT No.	SHEETS

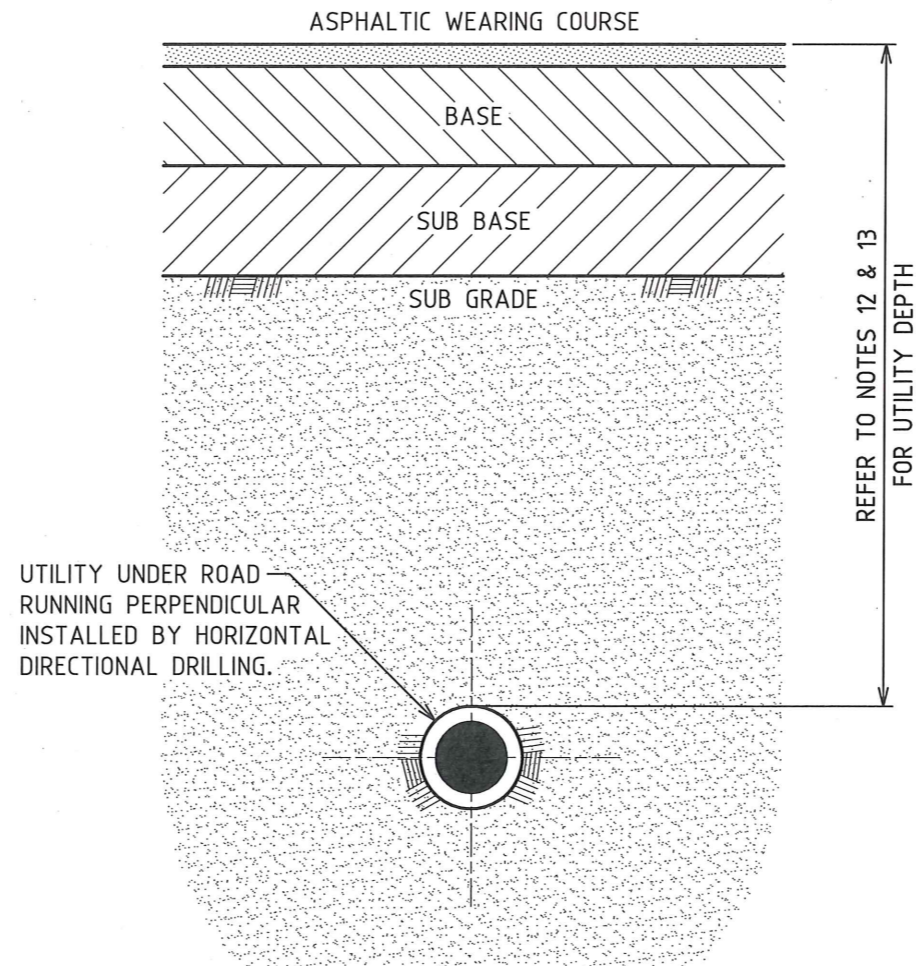
REFER TO STANDARD DRAWING
A1003 FOR FOOTWAY ALLOCATION

REFER TO STANDARD DRAWING A1000
FOR TYPICAL ROAD ALLOCATION

REFER TO STANDARD DRAWING
A1003 FOR FOOTWAY ALLOCATION



UTILITY PERPENDICULAR TO TRAFFIC FLOW BY HORIZONTAL THRUST BOARING / PIPE JACKING - SECTION
SCALE 1:100



UTILITY UNDER ROAD
RUNNING PERPENDICULAR
INSTALLED BY HORIZONTAL
DIRECTIONAL DRILLING.

VIEW Z - Z
SCALE 1:10

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INFRASTRUCTURE
MANAGEMENT SERVICES

REVIEWED: J.C.

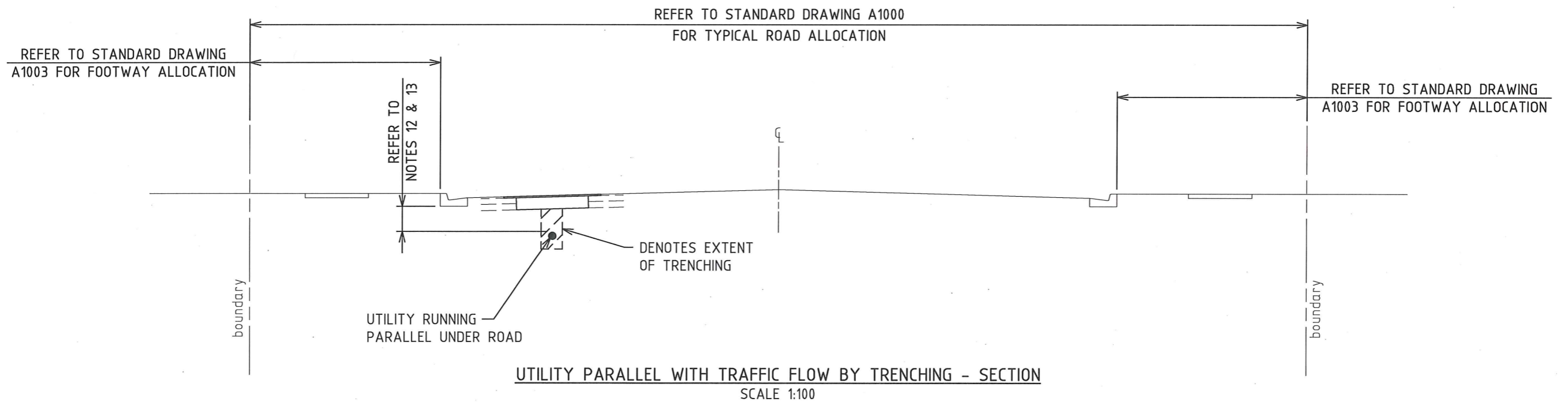
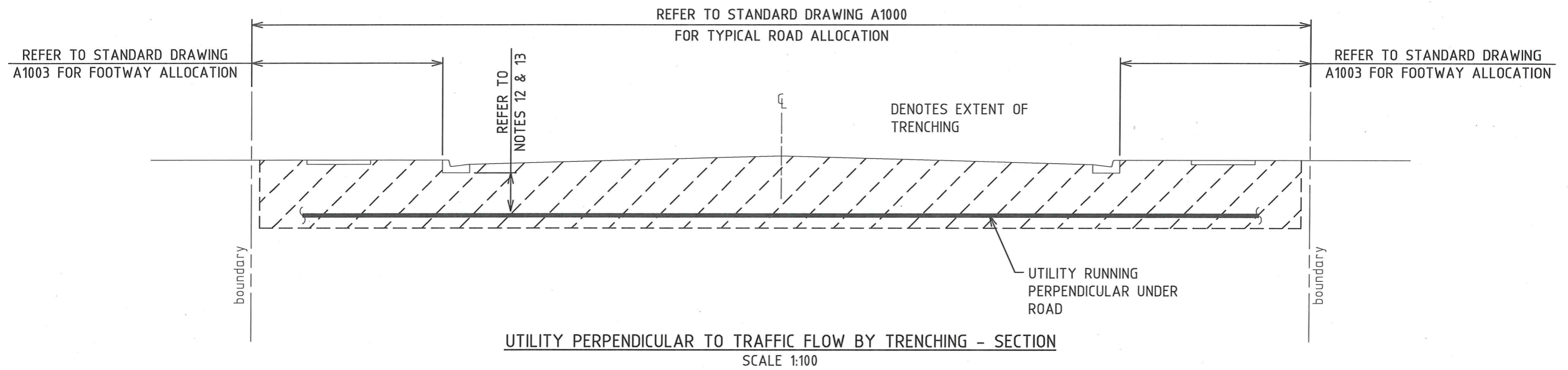
APPROVED:

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THE CITY OF NEWCASTLE

UTILITIES ROAD CROSSING
EXISTING ROADS

NCC PLAN No.	SHEET No.
A1103	3 OF 5
AMENDMENT No.	SHEETS




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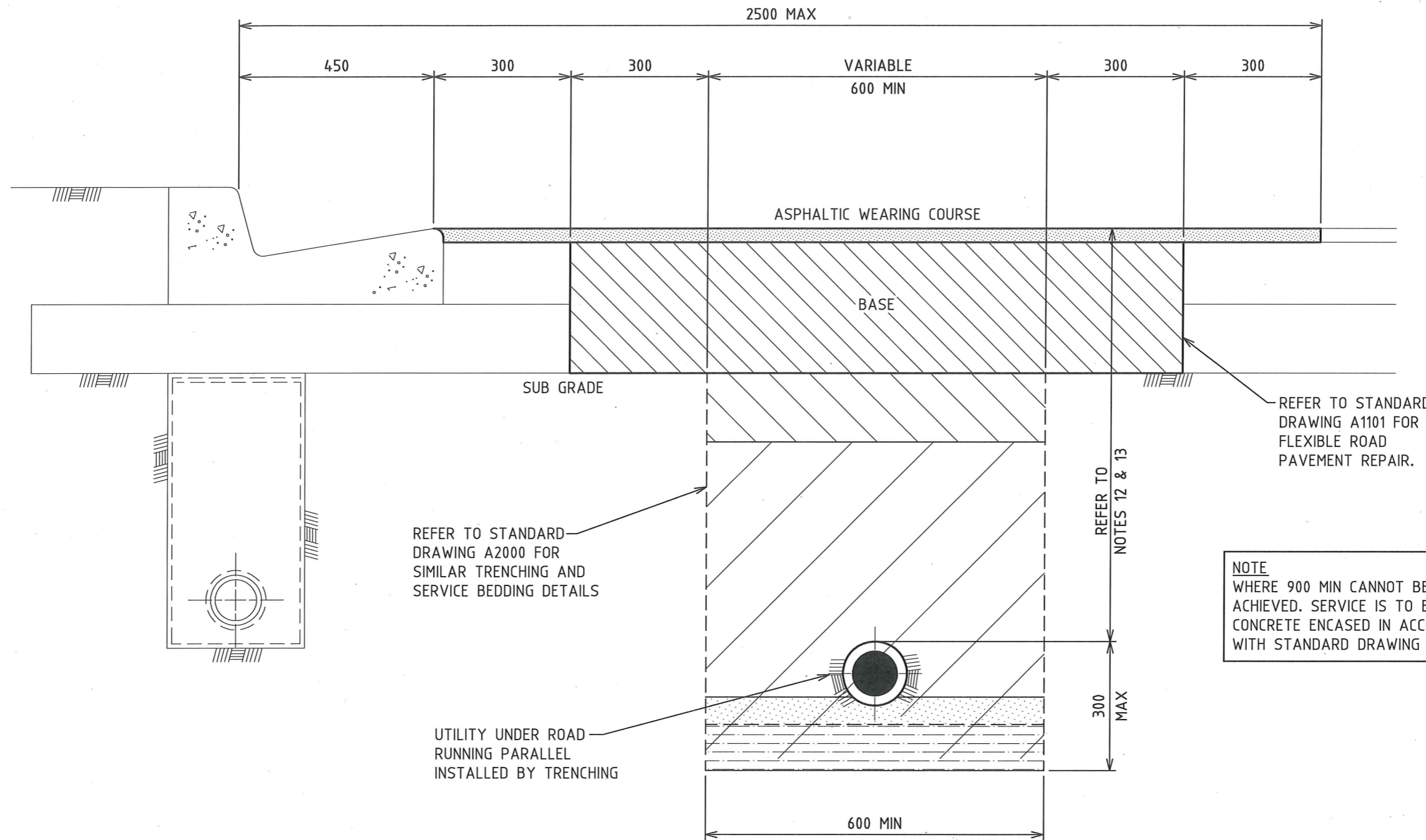
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INFRASTRUCTURE MANAGEMENT SERVICES MANAGER
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UTILITIES ROAD CROSSING EXISTING ROADS

NCC PLAN No.	SHEET No.
A1103	4 OF 5
AMENDMENT No.	SHEETS



NOTE
 WHERE 900 MIN CANNOT BE ACHIEVED. SERVICE IS TO BE CONCRETE ENCASED IN ACCORDANCE WITH STANDARD DRAWING A2001

REFER TO STANDARD DRAWING A2000 FOR SIMILAR TRENCHING AND SERVICE BEDDING DETAILS

UTILITY UNDER ROAD RUNNING PARALLEL INSTALLED BY TRENCHING

TYPICAL TRENCHING DETAIL
 SCALE 1:10

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COORDINATE SYSTEM: HEIGHT DATUM: AHD

INFRASTRUCTURE MANAGEMENT SERVICES

REVIEWED: J.C.

APPROVED:

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THE CITY OF NEWCASTLE
UTILITIES ROAD CROSSING EXISTING ROADS

NCC PLAN No. **A1103**

AMENDMENT No. SHEET No. 5 OF 5 SHEETS