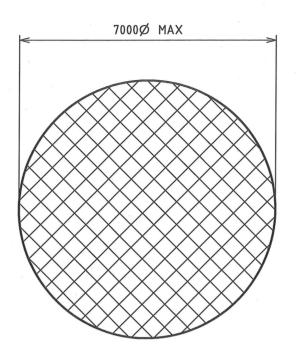
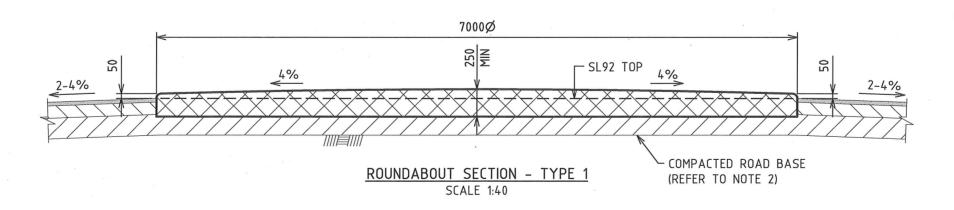


DENOTES 250 THICK N32 GRADE CONCRETE REINFORCED WITH SL92 FABRIC TOP 40 MIN COVER. REFER TO DETAILS



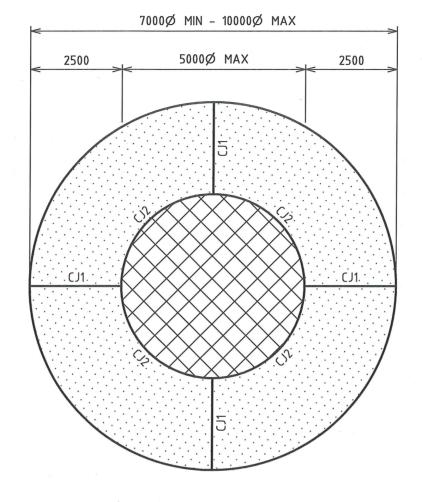
ROUNDABOUT PLAN - TYPE 1 SCALE 1:100



REFER TO NOTES ON SHEET 4

FOR USE ON LOCAL STREETS WHERE LARGER VEHICLES NEED TO MOUNT ANNULUS TO TURN

A3 ORIGINAL	NAL THIS SHEET WAS PREPARED IN COLOUR AND WILL BE INCOMPLETE IF COPIED COORDINATE SYSTEM: HEIGHT DATUM: AHD				REVIEWED: J.C.	DATE: 29.09.2016		AMENDMENT No.	SHEETS
No.	AMENDMENT DETAILS	DATE	INITIALS		REVIEWED: J.C.	/	3		4
0	CONSTRUCTION	29.04.14	T.A.	7.0 0.110 11.11		SIGNED:INFRASTRUCTURE MANAGEMENT SERVICES MANAGER	DETAILS - TYPE 1		"
1	GENERAL REVISION	05.07.16	T.A.	AS SHOWN	Newcastle	SIGNED TO THE STATE OF THE STAT		A1102	OF
					The City of MANAGEMENT SERVICES		ROUNDABOUT CONSTRUCTION		1 1
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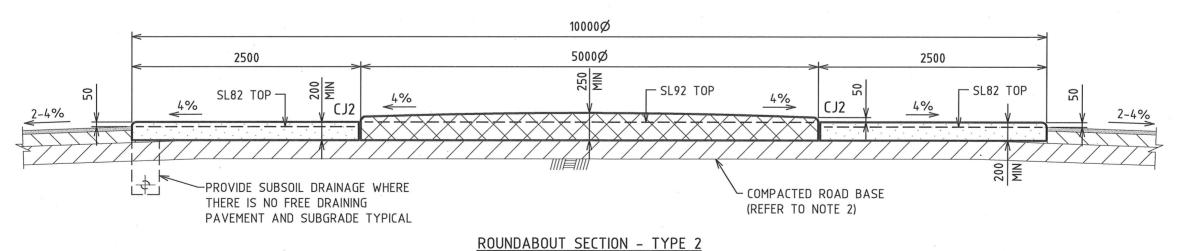


DENOTES 200 THICK N32 GRADE CONCRETE REINFORCED WITH SL82 FABRIC TOP 40MIN COVER. REFER TO DETAILS

DENOTES 250 THICK N32 GRADE CONCRETE REINFORCED WITH SL92 FABRIC TOP 40 MIN COVER. REFER TO DETAILS

______'CJ'____ DENOTES CONSTRUCTION JOINT. REFER TO DETAILS



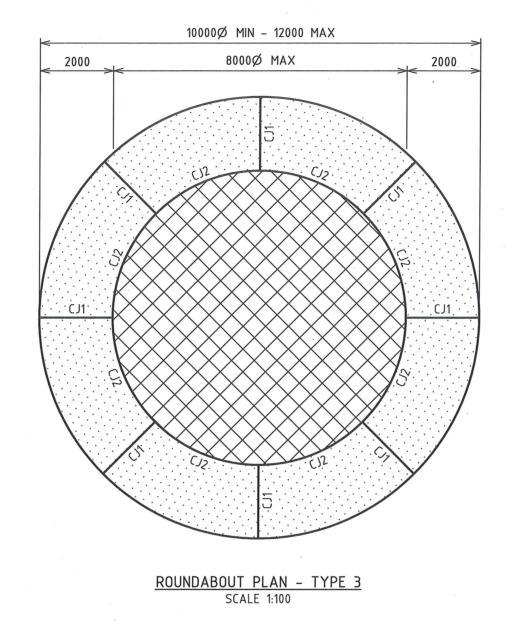


SCALE 1:40

REFER TO NOTES ON SHEET 4

FOR USE ON LOCAL STREETS WHERE LARGER VEHICLES NEED TO MOUNT ANNULUS TO TURN

-				SCALE		APPROVED	THE CITY OF NEWCASTLE	NCC PLAN No.	SHEET No.
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DENOTES 200 THICK N32 GRADE CONCRETE REINFORCED WITH SL82 FABRIC TOP 40MIN COVER. REFER TO DETAILS

ROUNDABOUT CONSTRUCTION

DETAILS - TYPE 3

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AMENDMENT No.

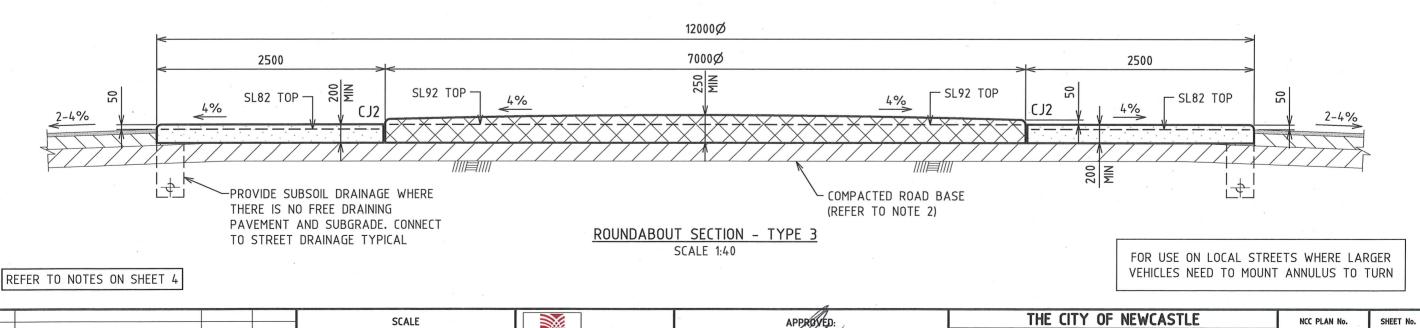
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SHEETS

DENOTES 250 THICK N32 GRADE CONCRETE REINFORCED WITH SL92 FABRIC TOP 40 MIN COVER. REFER TO DETAILS

,CJ,

DENOTES CONSTRUCTION JOINT. REFER TO DETAILS



INFRASTRUCTURE MANAGEMENT SERVICES MANAGER

29.09.2016

INFRASTRUCTURE MANAGEMENT SERVICES

Newcastle

REVIEWED:

AS SHOWN

HEIGHT DATUM: AHD

GENERAL REVISION

CONSTRUCTION

AMENDMENT DETAILS

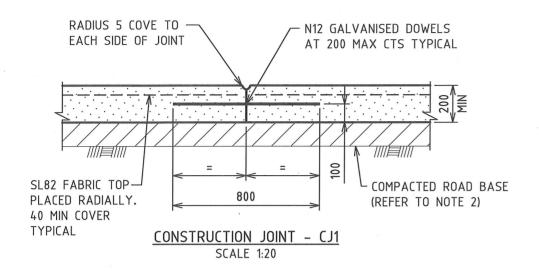
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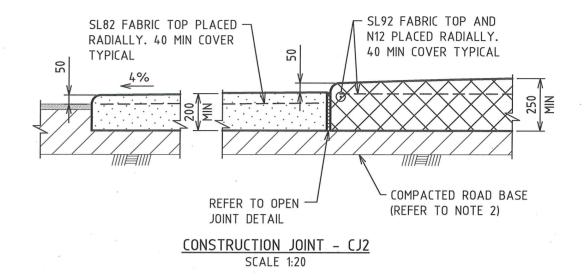
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DATE INITIALS

29.04.14

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





NOTES

- 1. ALL WORKMANSHIP AND MATERIAL SHALL COMPLY WITH THE CURRENT AUSTRALIAN STANDARDS IN PARTICULAR AS3600
- 2. CONCRETE IS TO BE FOUNDED ON A PAVEMENT IN ACCORDANCE WITH A GEOTECHNICAL ENGINEERS ADVICE.
- 3. CONCRETE GENERALLY TO BE DESIGNED TO HAVE A 4.0% CROSS FALL. POORLY DRAINED SITES MAY REQUIRE SUB SURFACE DRAINAGE TO PROTECT THE ROUNDABOUT CONCRETE.
- 4. DOWELS ARE TO BE ACCURATELY ALIGNED PERPENDICULAR TO THE JOINT LINE. ALL DOWELS AND JOINT FORMERS ARE TO BE GALVANISED.
- 5. BITUMINOUS JOINT FILLER TO SEAL THE EXPOSED SURFACE OF JOINTS AND SHOULD BE LOCATED TO THE JOINT TOP AND JOINT EDGES.
- 6. CONCRETE THICKNESS IS TO BE AS DETAILED FROM N32 GRADE CONCRETE WITH A MAXIMUM AGGREGATE SIZE OF 20mm, MINIMUM SLUMP OF 65mm AND A MINIMUM COVER TO REINFORCEMENT OF 40mm UNLESS NOTED OTHERWISE.
- 7. FOR CONSTRUCTION WITHIN 1KM OF THE COASTLINE (COASTAL ZONE) A MINIMUM GRADE OF CONCRETE SHALL BE N40 WITH A MINIMUM COVER OF 45mm.
- 8. TO ASSIST IN THE CURING AND DURABILITY OF CONCRETE:
- THE SUB BASE SHOULD BE THOROUGHLY MOISTENED PRIOR TO PLACING CONCRETE (RESULTING IN REDUCED LOSS OF MOISTURE);
- AS SOON AS THE TEXTURING VIA EITHER A DECORATIVE FINISH, WOOD FLOAT OR BROOMING HAS BEEN DONE, CURING SHOULD BE INITIATED BY COVERING WITH DAMP HESSIAN OR WELL SECURED PLASTIC SHEETING, OR APPLYING A CURING COMPOUND AT THE RATE OF 0.3 L/MIN²:
- WATER SHOULD NOT BE ADDED TO THE AS-DELIVERED MIX
- 9. CONCRETE TO HAVE A BROOM FINISH TRANSVERSE TO THE PAVEMENT WITH A 50mm RADIUS TOOLING OF ALL EDGES.

				SCALE		APPBØVED:	THE CITY OF NEWCASTLE	NCC PLAN No.	SHEET No.
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0	CONSTRUCTION	29.04.14 DATE	T.A.	7.5 5116 1111		INFRASTRUCTURE MANAGEMENT SERVICES MANAGER	DETAILS		Ur ,
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