

- NOTES:**
1. ALL WORK MUST BE UNDERTAKEN IN ACCORDANCE WITH THE STANDARD SPECIFICATION FOR SUBDIVISIONS ALONG WITH PROJECT SPECIFIC AMENDMENTS.
 2. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
 3. DETAILS REFLECT STORMWATER PIPES ONLY. FOR ALL OTHER SERVICES, REFER TO RELEVANT AUTHORITY TECHNICAL REQUIREMENTS.
 4. PROVIDE MINIMUM COVER TO PIPES IN ACCORDANCE WITH MANUFACTURES RECOMMENDATIONS.
 5. GEOTEXTILE FABRIC TO COMPLY WITH STANDARD SPECIFICATION FOR SUBDIVISIONS. LAY GEOTEXTILE FABRIC CONTINUOUSLY. PROVIDE MINIMUM LAP LENGTHS IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS. GEOTEXTILE FABRIC MAY BE OMITTED IN ROCK, WHERE APPROVED BY CERTIFYING ENGINEER.
 6. STABILISE ALL BACKFILL WITH 2% CEMENT BY MASS AND COMPACT TO 95% RELATIVE COMPACTION WHERE THE TRENCH OR EMBANKMENT IS LOCATED, OR WILL BE LOCATED, BENEATH A PAVEMENT.
 7. FLOWABLE FILL MAY BE USED AS AN ALTERNATIVE BACKFILL, WHERE APPROVED BY THE RELEVANT AUTHORITY.
 8. TRENCHING MUST ONLY BE USED FOR EXISTING ROAD CROSSINGS WHERE APPROVAL IS OBTAINED FROM THE RELEVANT AUTHORITY.

PIPE SETOUT TABLE

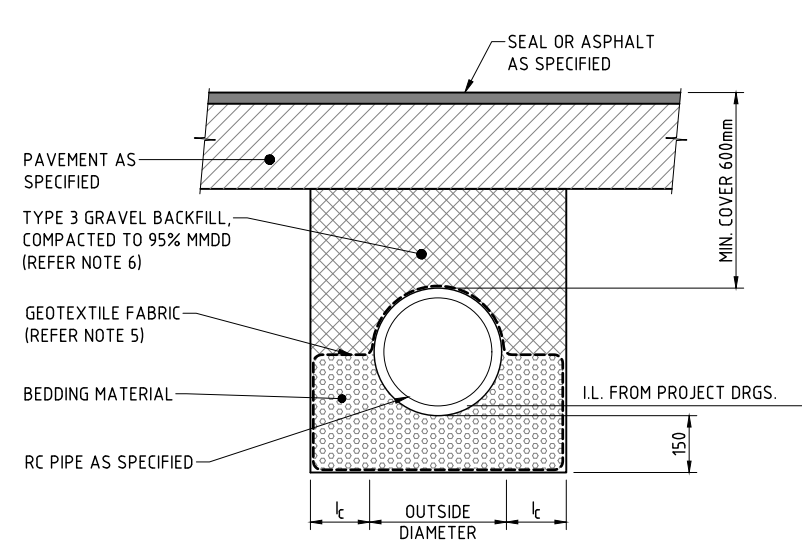
CORRESPONDING PIPE SIZES	
RANGE OF PIPE SIZES	BACK OF KERB OFFSET TO PIPE C.L.
375 AND 450	240 BEHIND
525 TO 750	110 BEHIND
825 TO 1200	150 IN FRONT
1350 TO 1650	375 IN FRONT
1800 TO 2100	675 IN FRONT

TRENCH WIDTH PARAMETERS TABLE

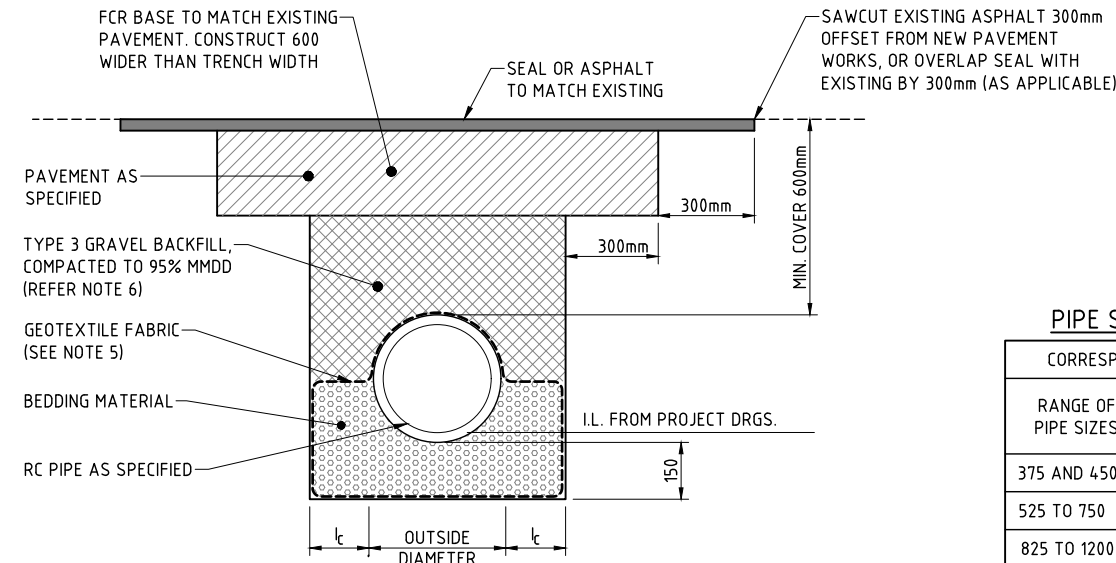
NOMINAL PIPE DIAMETER DN	MINIMUM t_c (mm)	SPACING BETWEEN MULTIPLE CULVERTS (mm)
≤600	150	300
600-1200	200	600
1200-1800	D/6	600
>1800	D/6	900

TABLE NOTES:

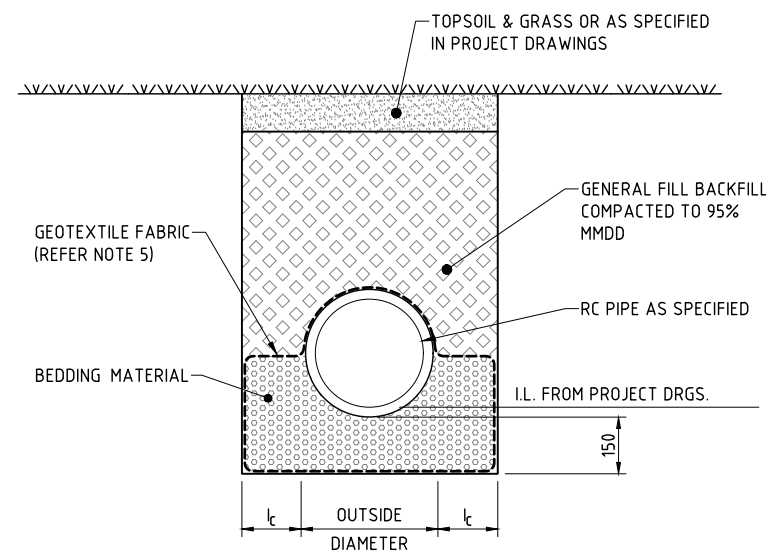
1. THE MINIMUM VALUES SHOULD ONLY BE USED WHEN NECESSARY COMPACTION BETWEEN THE PIPES CAN BE ASSURED.
2. MINIMUM VALUES MAY NEED TO BE INCREASED FOR RUBBER RING JOINT PIPES TO ENSURE MIN. 50mm SEPARATION BETWEEN SOCKETS.



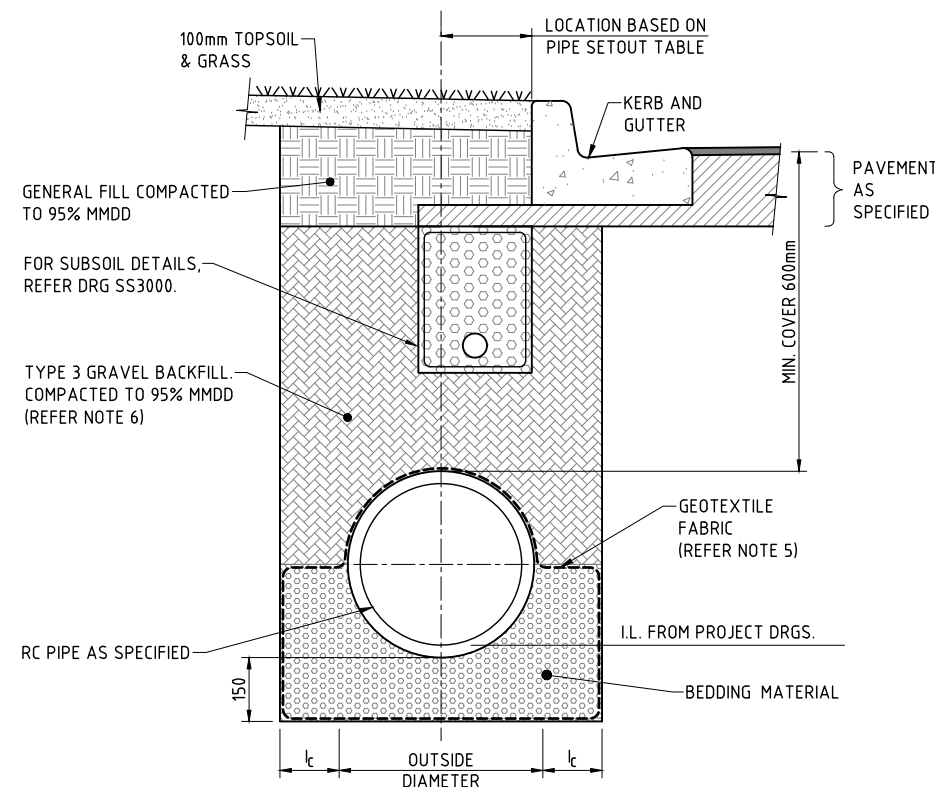
NEW ROAD CROSSING
NOT TO SCALE



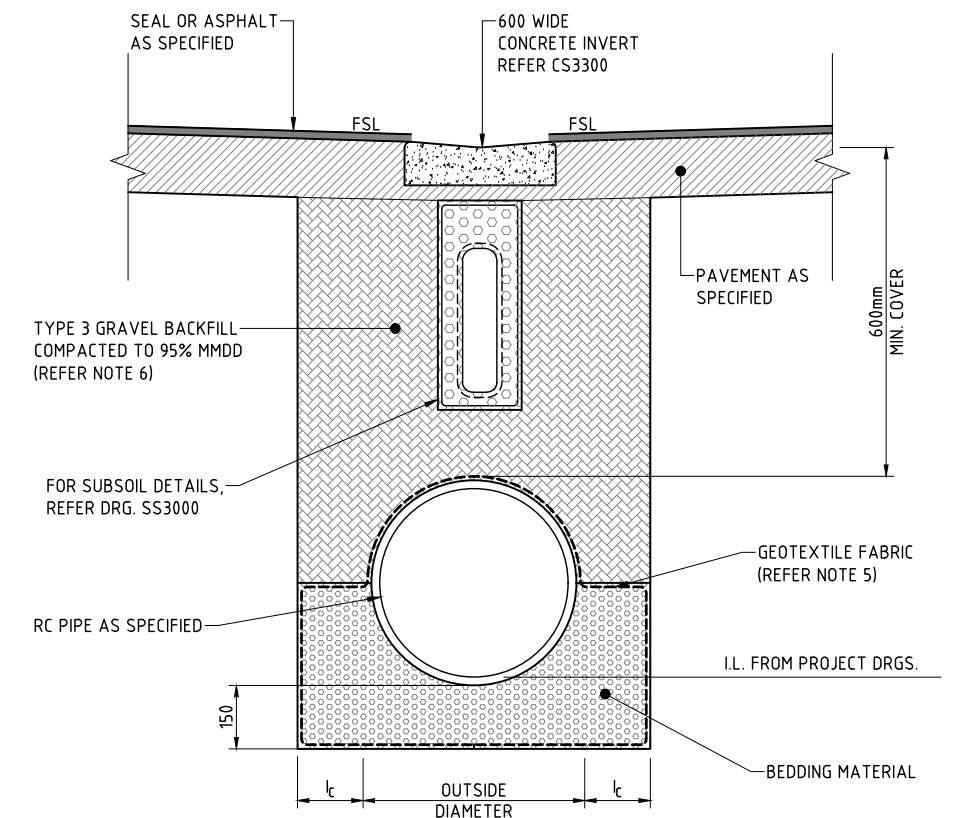
EXISTING ROAD CROSSING
NOT TO SCALE
(REFER NOTE 8)



NON TRAFFICABLE AREAS
NOT TO SCALE



ROADSIDE
NOT TO SCALE



PIPE BENEATH INVERT
NOT TO SCALE

No.	AMENDMENT DESCRIPTION	DATE	INIT.	DEPT/COMPANY
1	REISSUED AS A STANDARD DRAWING	APR 23	KS	BYRNE
0	ISSUED AS A STANDARD DRAWING	AUG 20	KS	BYRNE

Drawn	KS	Checked	PB
Date:	AUGUST 2020	Date:	AUGUST 2020
Designed	PB	Checked	SPB
Date:	AUGUST 2020	Date:	AUGUST 2020
	Design Project Leader		NTG Project Manager
	SPB		N/A
Date:	AUGUST 2020	Date:	AUGUST 2020



SUBDIVISION DEVELOPMENT GUIDELINES STANDARD DRAWINGS
STORMWATER DRAINAGE

STORMWATER PIPES
TYPICAL TRENCH DETAILS

NTG Project No.	NTG Asset No.	Sheet Reference	NTG Drawing No.	Amendment
-	-	1 OF 1	SS3001	1