

TYPICAL OPEN CHANNEL INVERT TREATMENT FOR LONGITUDINAL GRADES < 1%

WAINTENANCE RESERVE REFER NOTE 1

WARIABLE RESERVE WIDTH DEPENDANT ON REQUIRED CAPACITY

MAINTENANCE RESERVE REFER NOTE 1

VARIABLE CHANNEL WIDTH DEPENDANT ON REQUIRED CAPACITY

1.0m TURF OVERLAP

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1.0m TURF OVERLAP

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NOTES:

- 1. MAINTENANCE RESERVE WIDTH TO BE 4m WHEN BATTER SLOPE IS STEEPER 4H: 1V. WHERE BATTER SLOPE IS FLATTER THAN 4H: 1V MAINTENANCE RESERVE WIDTH TO BE 1m
- 2. 75mm TOPSOIL & TURF TO BE PROVIDED FOR FULL WIDTH OF CHANNEL (OUTSIDE OF CONCRETE INVERT). TURF TO OVERLAP MAINTENANCE RESERVE A MINIMUM OF 1m
- 3. MAINTENANCE RESERVE TO BE GRASS SEEDED WHERE TURF IS NOT REQUIRED
- 4. TURF TO BE PINNED DOWN WITH WIRE PEGS AT 500mm CENTRES UNTIL SUFFICIENT ESTABLISHMENT IS ACHIEVED. ALL PINS TO BE REMOVED ONCE TURF IS ESTABLISHED TO PREVENT DAMAGE TO MAINTENANCE VEHICLES
- 5. CONCRETE N25 / 20 TO BE USED IN INVERT OF CHANNEL WHERE LONGITUDINAL GRADE < 1% AND COMPLY WITH AS 1379 AND AS 3600 WITH A SLUMP OF 70 TO 90mm
- 6. CONCRETE N32 / 20 TO BE USED FOR TRUNK DRAINAGE INVERTS AND COMPLY WITH AS 1379 AND AS 3600 WITH A SLUMP OF 70 TO 90mm
- 7. SL62 MESH TO BE PROVIDED FOR STANDARD INVERT CONCRETE, SL82 TO BE USED IN TRUNK DRAINAGE CONDITIONS
- 8. REINFORCEMENT MESH TO COMPLY WITH AS 4671, LAP MESH 400mm, 50mm TOP AND EDGE COVER, UNLESS OTHERWISE SPECIFIED
- 9. REINFORCEMENT BAR CHAIRS ARE TO BE USED TO ACCURATELY LOCATE MESH. PLACE CHAIRS AT 500mm MAXIMUM CENTRES IN A TRIANGULAR PATTERN

100mm LAYER OF RIVER — GRAVEL

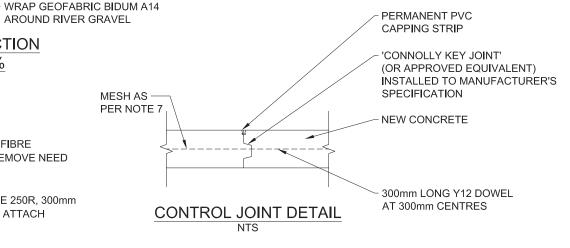
TYPICAL OPEN CHANNEL CROSS SECTION FOR LONGITUDINAL GRADES ≥1%

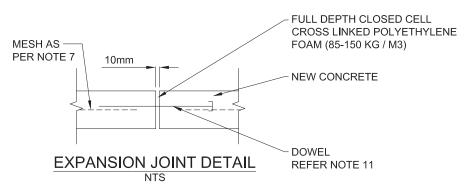
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- REINFORCING MESH CAN BE REPLACED WITH THE USE OF FIBRE REINFORCED CONCRETE (FRC). USE OF FRC SHALL NOT REMOVE NEED FOR EXPANSION / CONTROL JOINTS
- DOWELS TO BE 12mm DIA GALVANISED STEEL BARS, GRADE 250R, 300mm LONG AT 300mm CENTRES. GREASE ONE END OF DOWEL & ATTACH DOWEL CAP
- 12. CONTROL JOINTS TO BE PLACED EVENLY ALONG CONCRETE INVERT LENGTH AT 3.0m MAX CENTRES. EXPANSION JOINTS TO BE PROVIDED AT EVERY THIRD JOINT TO ACHIEVE 9.0m MAX CENTRES
- 13. ALL CONCRETE SHALL BE SPRAYED WITH AN APPROVED CURING PRODUCT AND BROOM FINISHED
- 14. MINIMUM 50mm COMPACTED CRUSHER DUST TO BE PROVIDED UNDER TYPICAL CONCRETE INVERT. WHERE HIGHLY EXPANSIVE SOILS ARE PRESENT, PLACE 100mm COMPACTED DEPTH TYPE 2.4 GRAVEL (TO BE DIRECTED BY SUPERINTENDENT)

REGIONAL COUNCIL

15. TRUNK DRAINAGE CONCRETE INVERT SUBGRADE MATERIAL TO BE INVESTIGATED ONSITE TO ENSURE ITS SUITABILITY FOR 8 TONNE MAINTENANCE VEHICLE USAGE





D	29/1/15	REVISED FORMAT AND TITLEBLOCK	Graeme Capady speed by Committee Bar-Street in March 1988	SURVEY	DRAWN	SIGNED	DATE
			TOTAL STATE OF THE		R. MILES		04/4/13
С	09/7/13	INCLUSION OF BASE TREATMENTS		0.15.45.45.15.11	DESIGNED	SIGNED	DATE
В	03/4/13	REVISED NOTES AND TITLEBLOCK		SURVEY FILE No			
F	03/18	MINOR MODIFICATIONS			CHECKED	SIGNED	DATE
	00/10			LEVEL DATUM			
	DATE	DESCRIPTION	APPVD		MANAGER TECHNICAL SERVICES		
AMENDMENTS AND REVISIONS				MERIDIAN			
7 INIENDINENTO 7 IND NEVIOIONO				WENDAN	ORIGINAL SIGNED BY G.HAWES 28/7/0		28/7/07
\STANDARD DRAWINGS\STORMWATER\AS-00868					G. HAWES	RPEQ 5693	DATE

DIRECTOR
ENGINEERING AND
COMMERCIAL INFRASTRUCTURE

ORIGINAL SIGNED BY S. M. HOLLEY
JASON DEVITT

DATE 28/7/07

TYPICAL OPEN CHANNEL CROSS SECTION

STANDARD

SHEET	1	OF	1			
WORKS JOB No.						
DRAWING	AMEND.					

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A3-00868