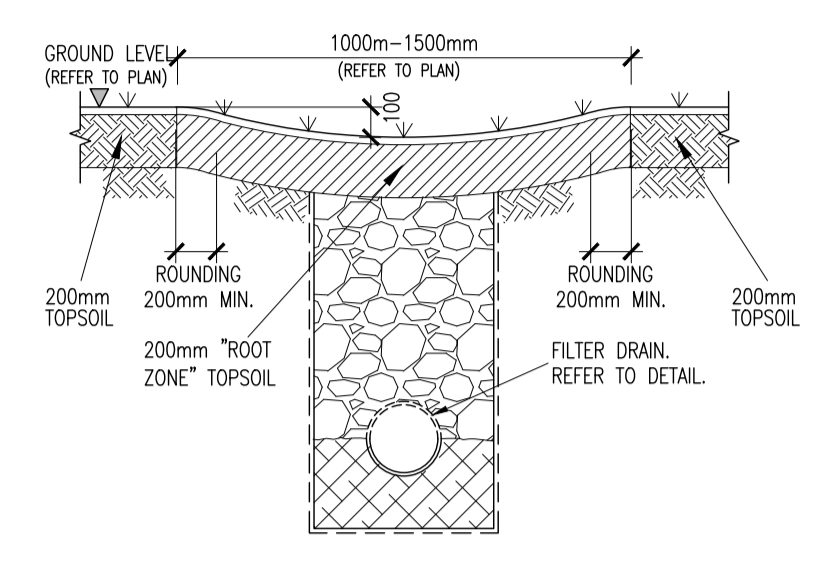


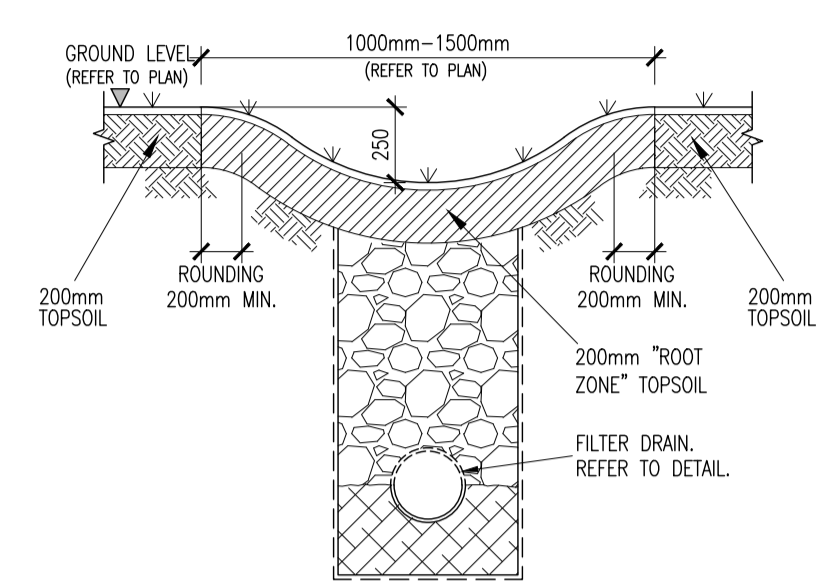
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- NOTES:**
- ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH NRA SPECIFICATION FOR ROADWORKS UNLESS OVERRIDDEN BY GREATER DUBLIN REGIONAL CODES OF PRACTICE FOR DRAINAGE WORKS AS AMENDED BY DUBLIN CITY COUNCIL.
 - ALL DRAWINGS TO BE CHECKED BY CONTRACTOR ON SITE AND ENGINEER INFORMED OF DISCREPANCIES BEFORE WORK COMMENCES.
 - ALL LEVELS ARE IN METRES AND ARE RELATED TO THE ORDINANCE DATUM.
 - CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF PAVEMENT LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORKS.

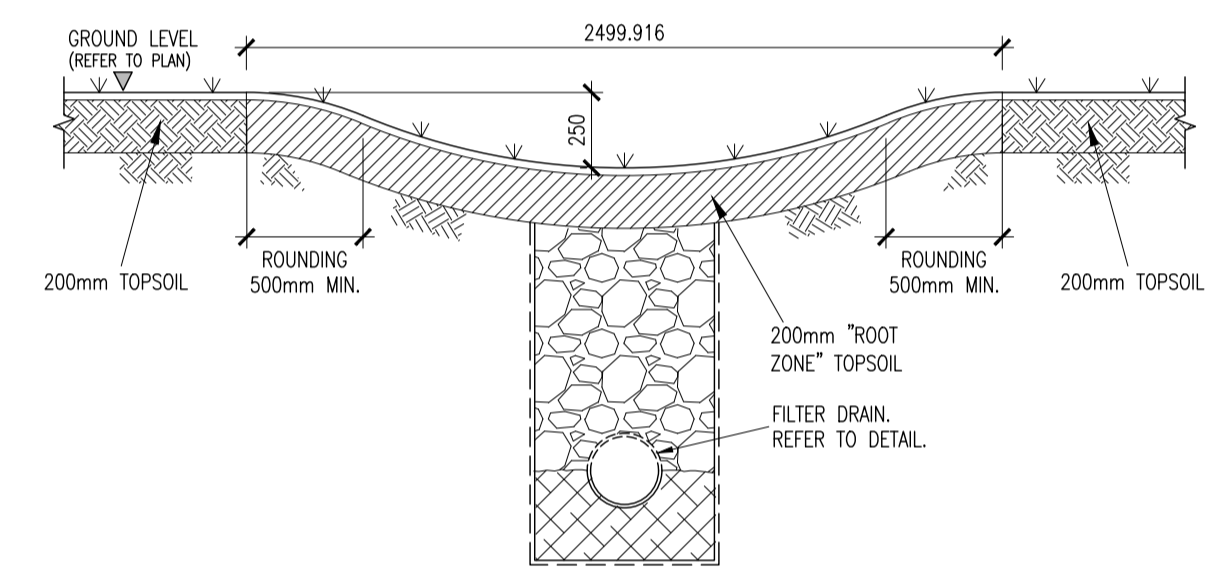
- DRAWING SPECIFIC NOTES:**
- HYDRANTS SHALL BE MANUFACTURED IN ACCORDANCE WITH BS 750: 2012 TYPE 2 AND SHALL INCORPORATE A SCREWDOWN VALVE, UNDERGROUND "GUIDE IN LOAD" TYPE WITH BAYONET LEG OUTLETS AND FINE SPINDLE CAP OF CAST IRON AND IRON CHAIN. HYDRANT VALVE SHALL BE "ANTI CLOCKWISE OPENING".
 - SLUICE VALVES SHALL COMPLY WITH THE REQUIREMENT OF IS EN 1074. THEY SHALL "CLOSE BY TURNING ANTI CLOCKWISE" TO IRISH WATER SPECIFICATION.
 - VALVES AND HYDRANTS WHEN INSTALLED SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL SURFACE COVERS. THESE COVERS MUST CONFORM WITH IRISH WATER SPECIFICATIONS. COVERS TO BE HEAVY DUTY METAL COVERS TO IS EN 124 : 1994.
 - INDICATOR PLATES SHALL CLEARLY IDENTIFY HYDRANT, AIR VALVE AND SLUICE VALVE LOCATIONS AND BASE BOARD LOCATIONS SHALL BE APPROVED BY IRISH WATER. FIXED LETTERINGS SHALL COMPLY WITH BS3251. BACKGROUND COLOUR YELLOW TEXT COLOUR BLACK.
 - DRAINAGE MUST BE PROVIDED TO ENSURE THAT THE CHAMBERS CANNOT BECOME FLOODED WITH SURFACE OR GROUND WATER.
 - ALL WATERMANS SHALL BE HDPE SDR17 PVC-A "BLUE PIPE" EXCEPT UNDER ROADS WHERE DUCTILE IRON TO BE USED.
 - ALL SERVICE PIPES, CONNECTIONS AND WATER CONTROL UNITS SHALL BE AS PER IRISH WATER REQUIREMENTS. SERVICE PIPES TO BE 25mm(O)PE (HEAVY DUTY AND APPROVED METER BOXES) ATLAS BOUNDARY BOX OR EQUAL APPROVED.
 - ALL WATERMANS AND FITTINGS SHALL COMPLY WITH IRISH WATER "GUIDELINES FOR DRINKING WATER SUPPLY".
 - ALL WATERMANS SHALL BE TESTED IN ACCORDANCE WITH IRISH WATER GUIDELINES FOR DRINKING WATER SUPPLY.
 - CONNECTION TO EXISTING WATERMAIN TO BE CO-ORDINATED WITH IRISH WATER.
 - CONTRACTOR TO LIASE WITH LOCAL OVERSEENING AUTHORITY FOR TESTING CLEANSING AND STERILISATION OF NEW WATERMANS.
 - ALL ROAD CONSTRUCTION MATERIALS TO COMPLY WITH NRA VOLUME 1 SPECIFICATIONS FOR ROADWORKS DATED MARCH 2011 AND SUBSEQUENT REVISIONS OF SAME. RCD REFERENCE DETAILS TO BE AS PER NRA VOLUME 4 ROAD CONSTRUCTION DETAILS DATED JUNE 2014.



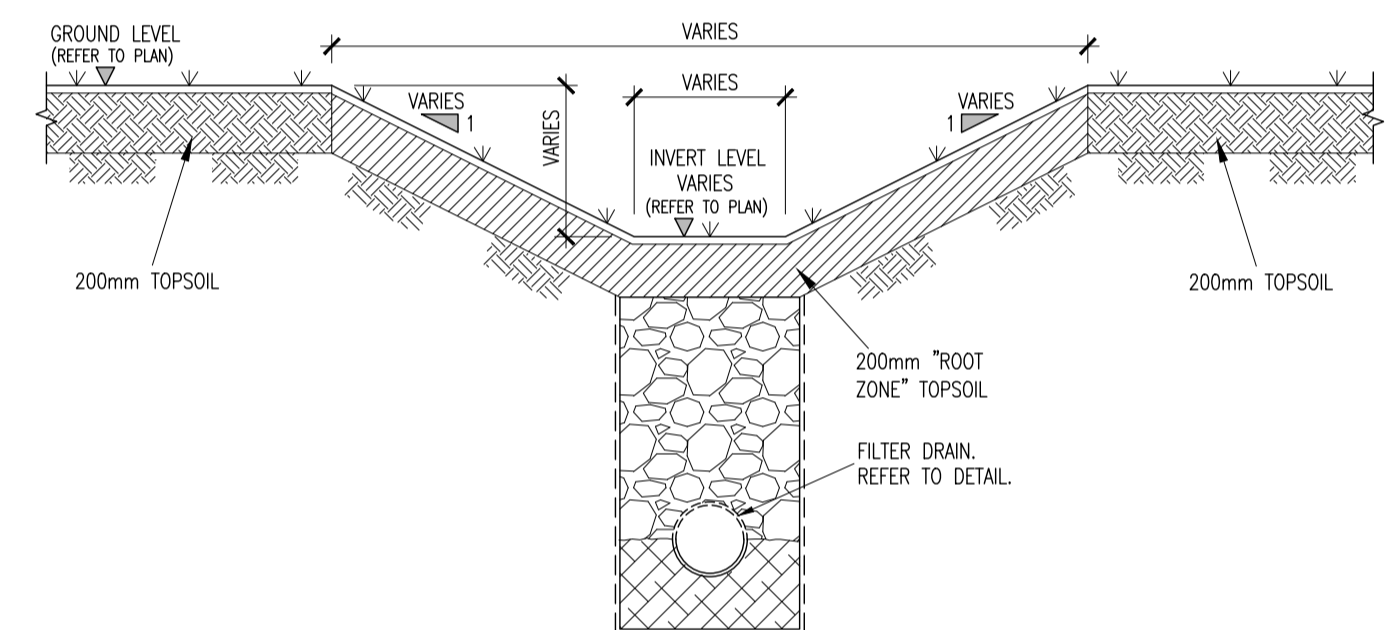
DRY SWALE DETAIL - TYPE 1'
SCALE: NTS



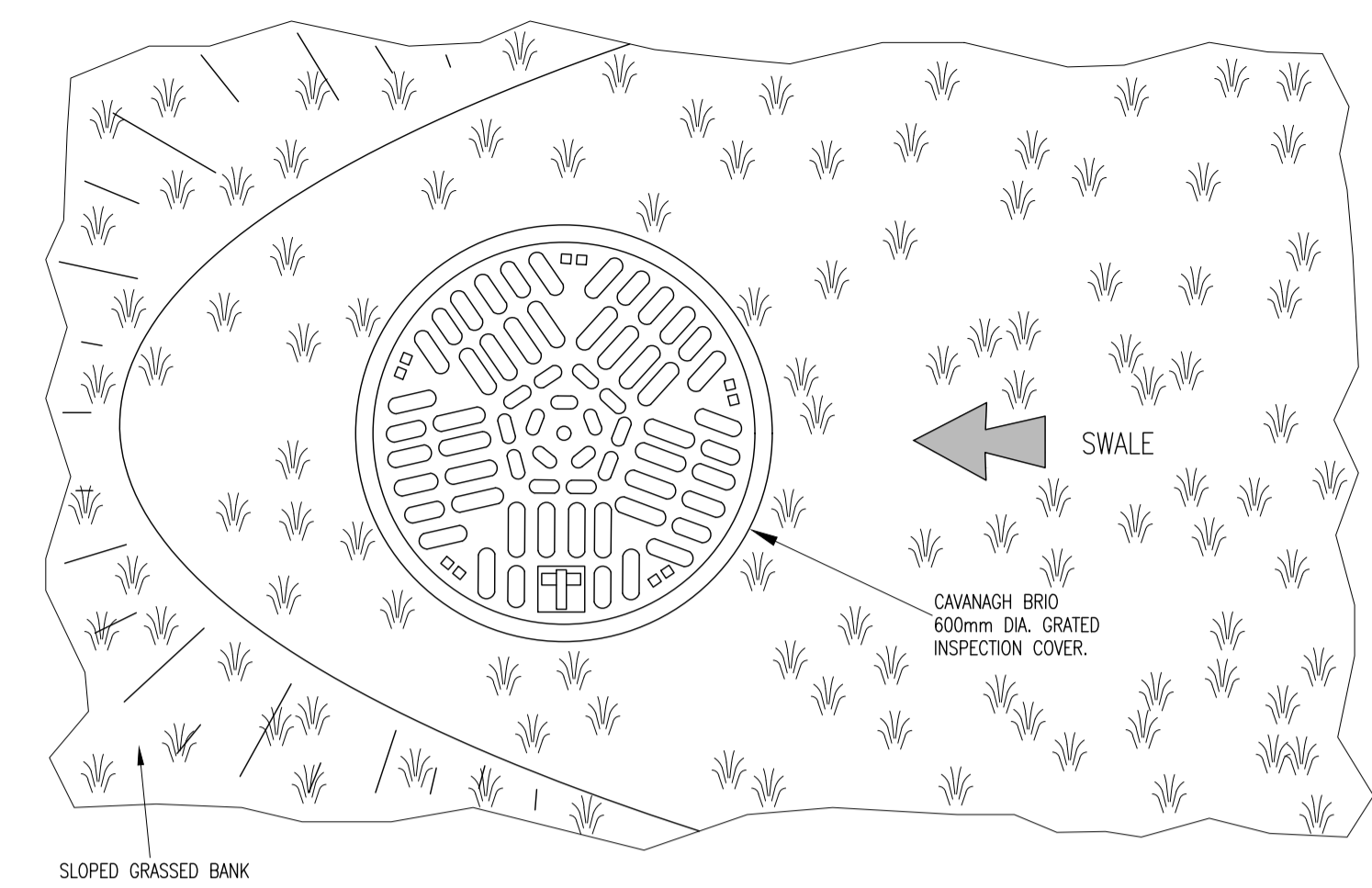
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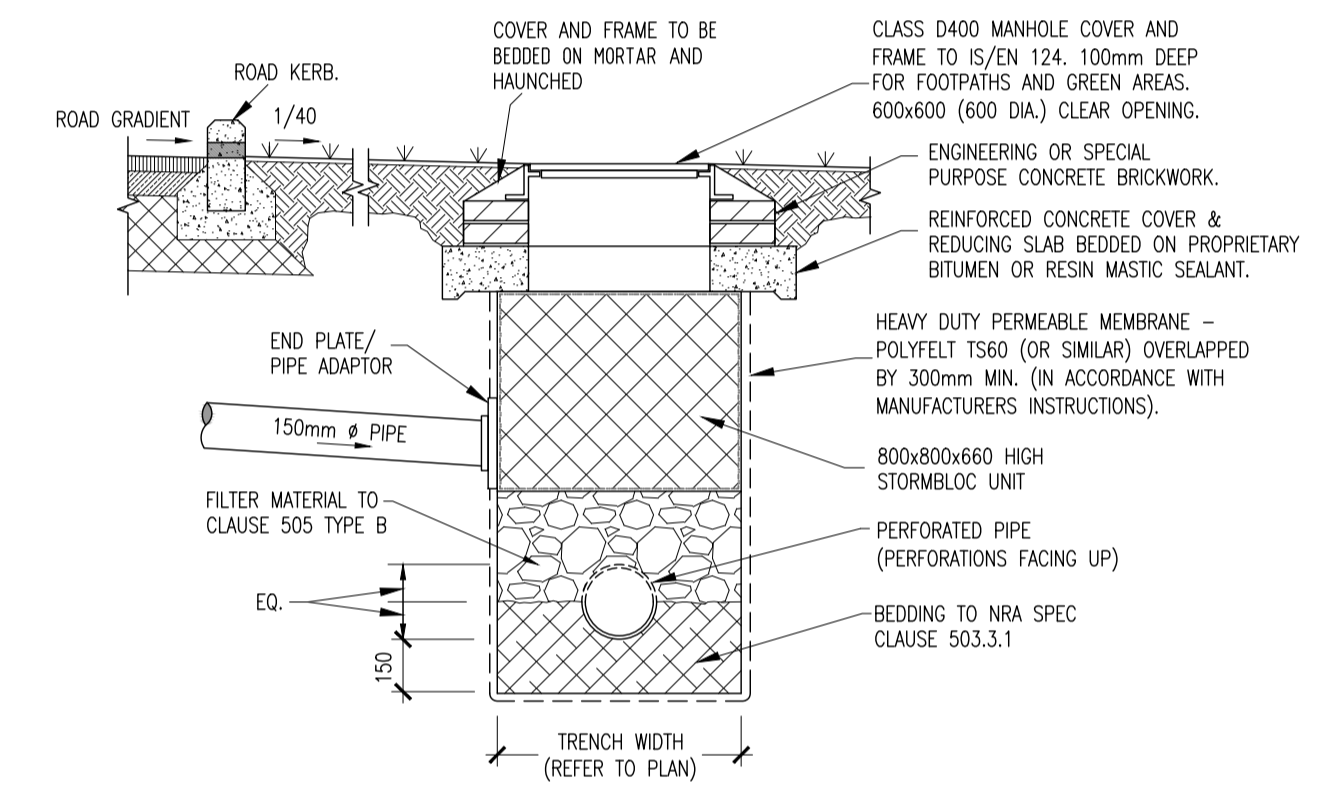
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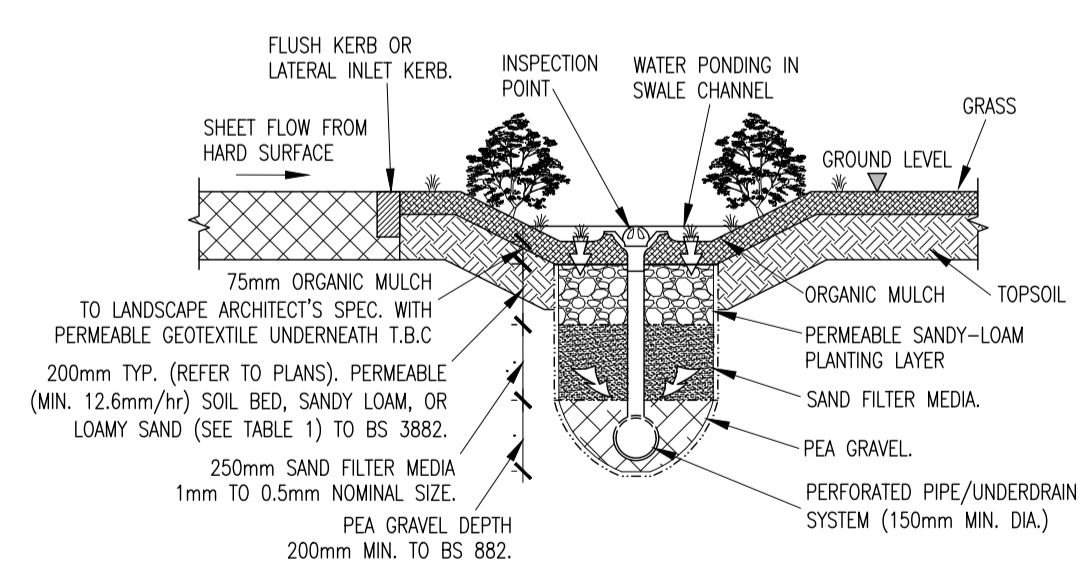
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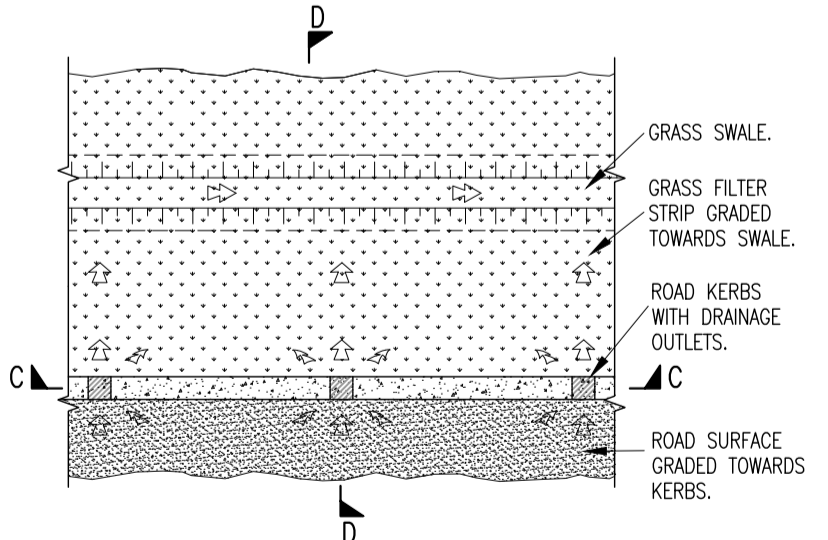
PLAN
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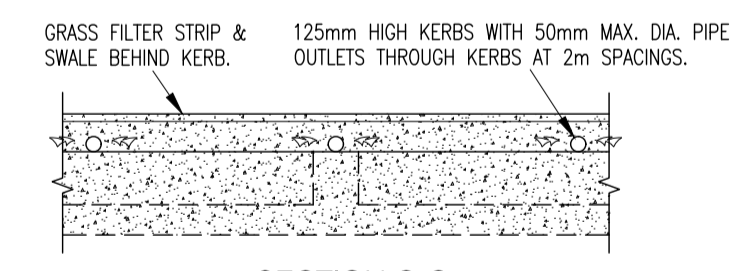
GULLY CONNECTION TO FILTER DRAIN
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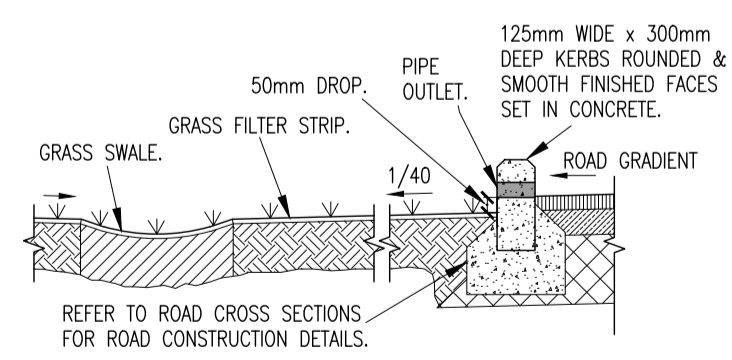
BIO-RETENTION SWALE
SCALE: NTS



PLAN
SCALE: N.T.S.



SECTION C-C
SCALE: 1:25



SECTION D-D
SCALE: NTS

P01	13/06/22	STAGE 3 SHD	PJC	NGG
rev	date	description	by	chkd.
client approval		A - Approved		
		B - Approved with comments		
		C - Do not use		

suitability S2 - INFORMATION issue purpose PLANNING

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project ref. NEWCASTLE SOUTH

drawing title TYPICAL DRAINAGE DETAILS SHEET
4

client CAIRN HOMES PROPERTIES LTD

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drawing no.		revision	
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