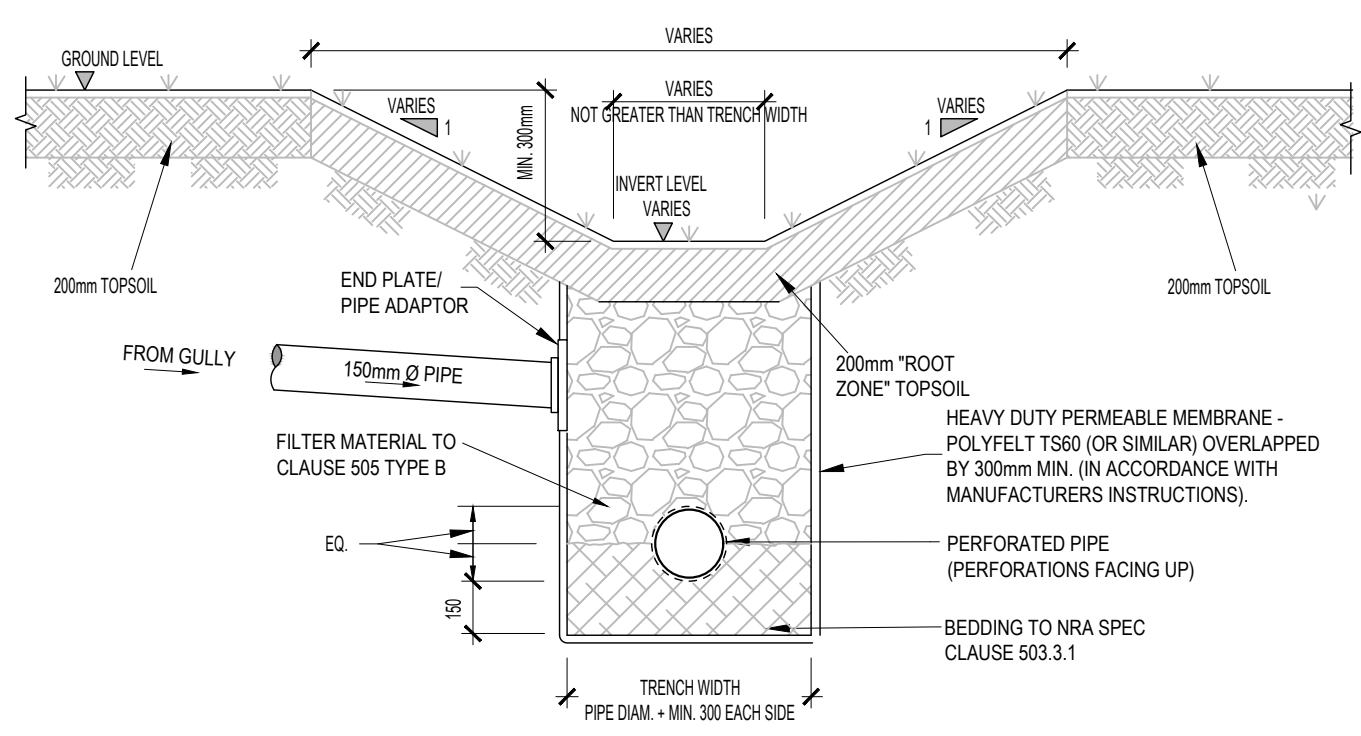
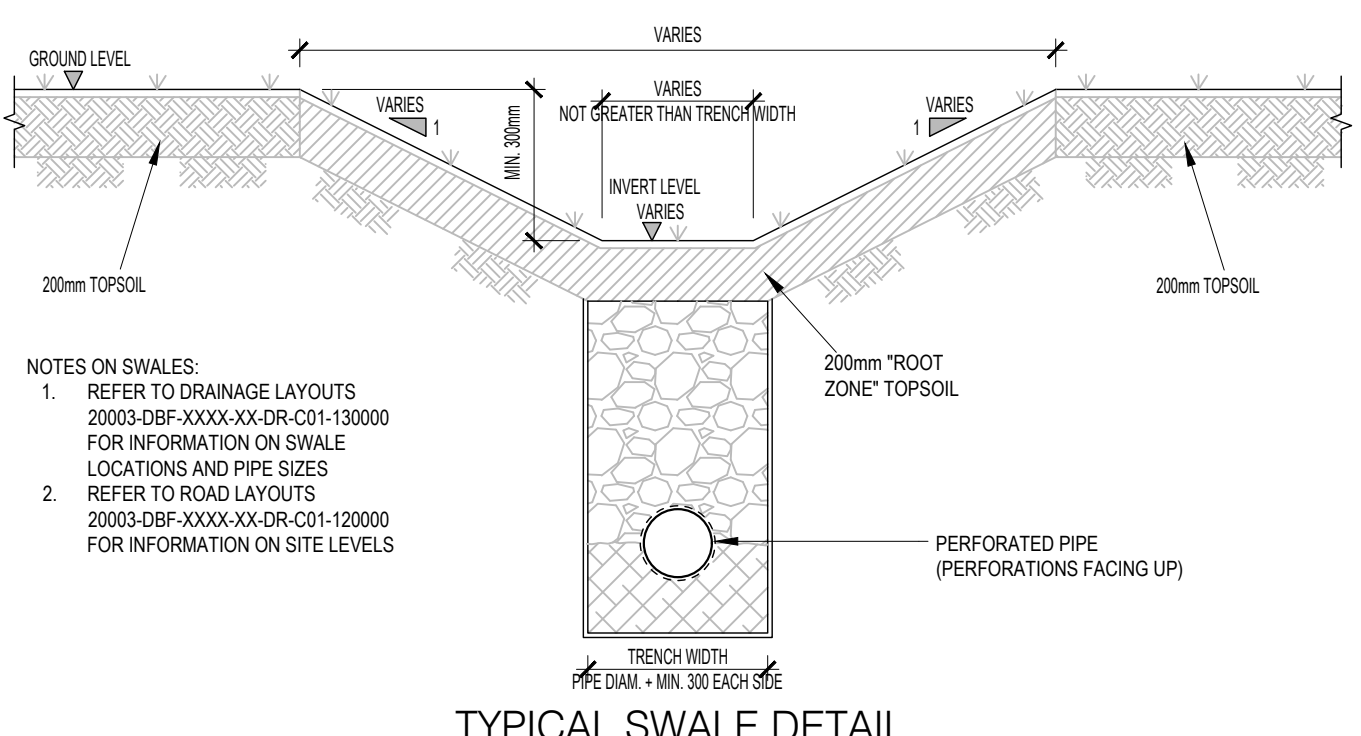
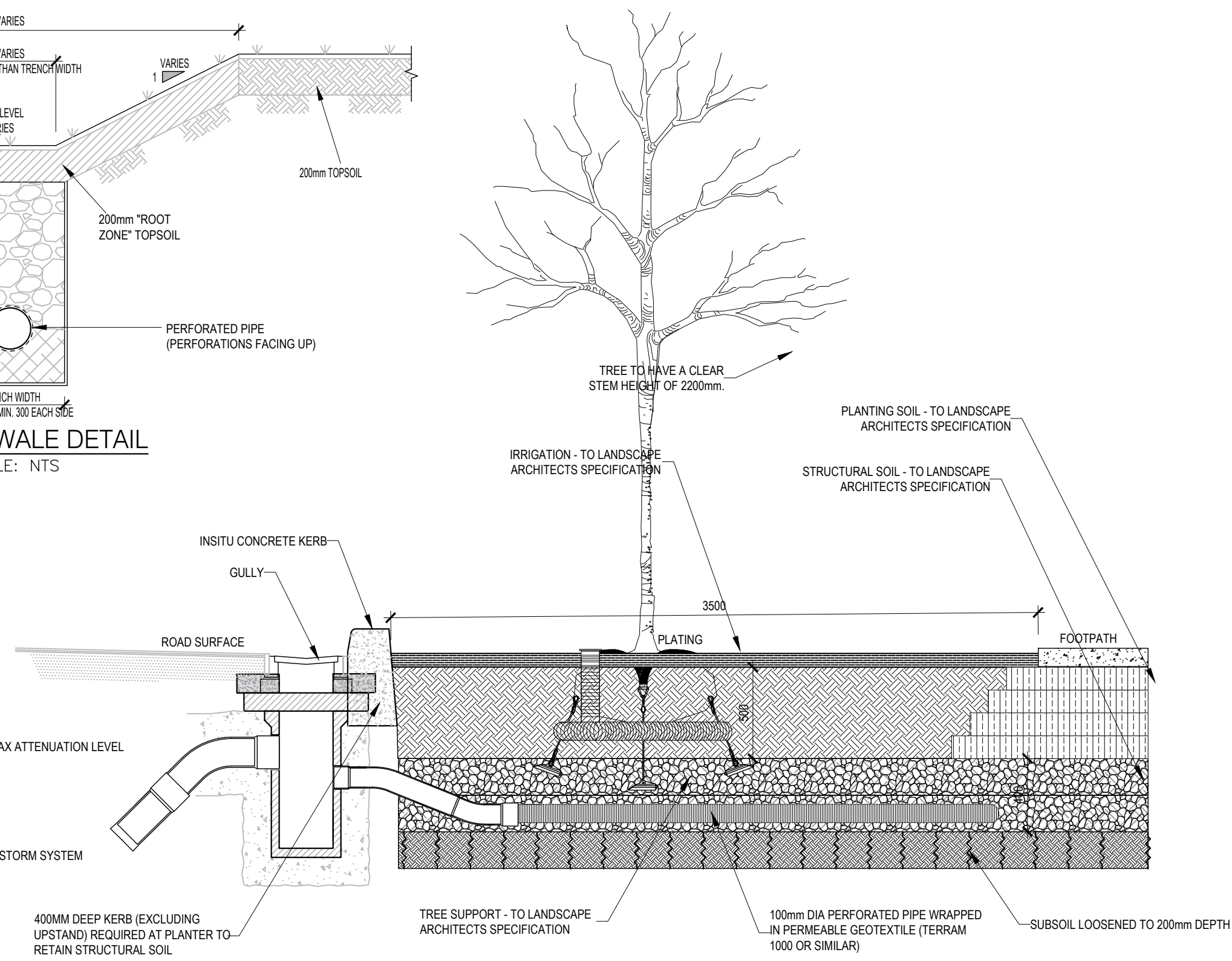




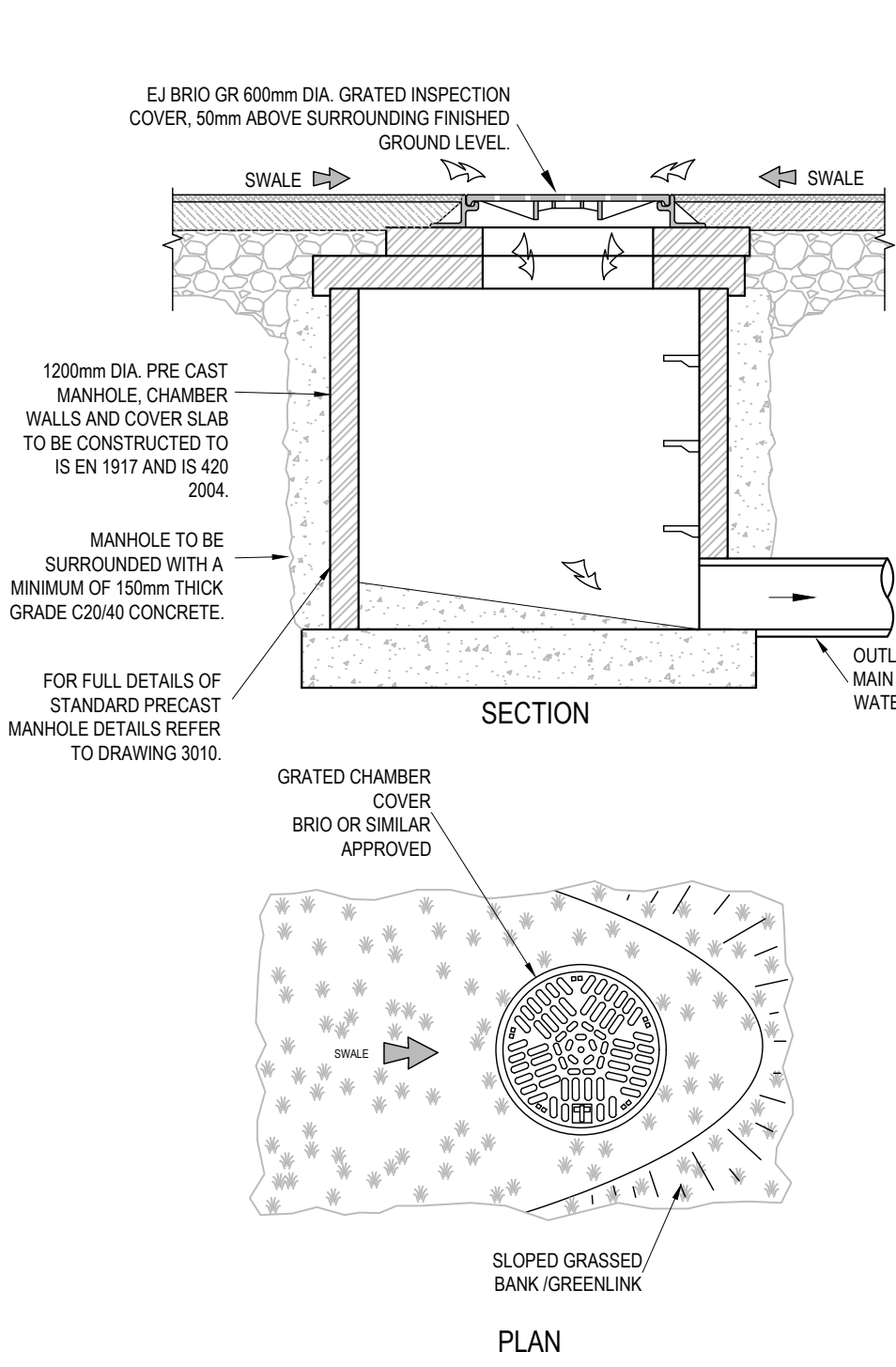
GULLY CONNECTION TO SWALE
SCALE: NTS



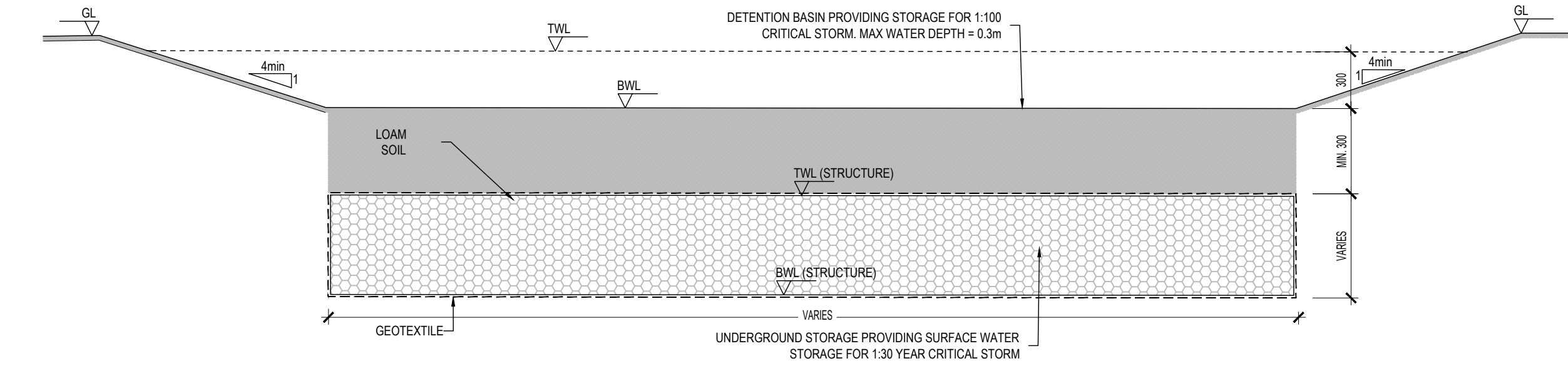
TYPICAL SWALE DETAIL
SCALE: NTS



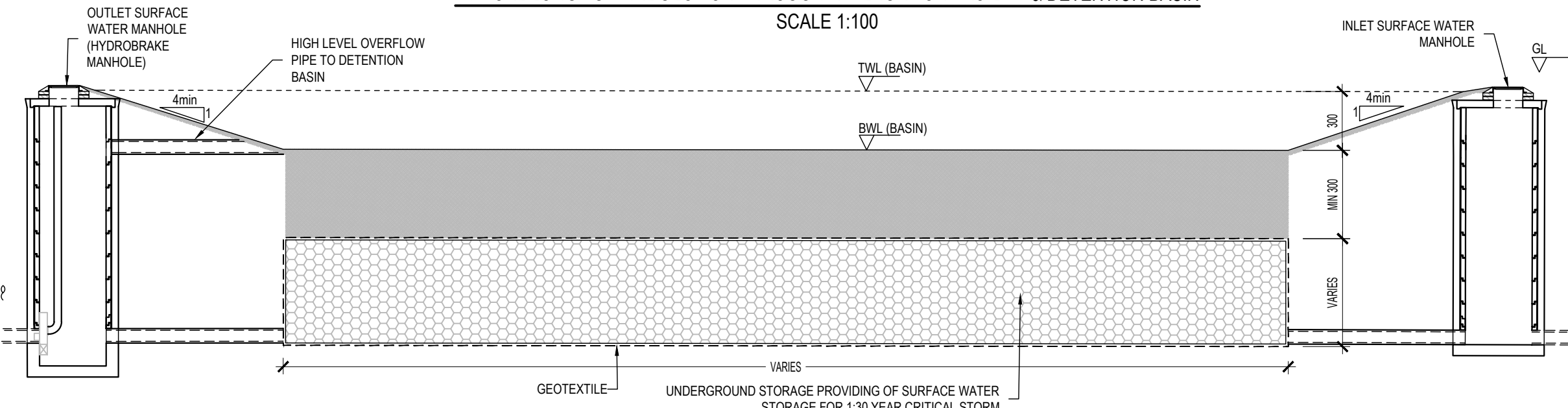
TYPICAL ROAD GULLY TO TREE PIT
SCALE 1:25



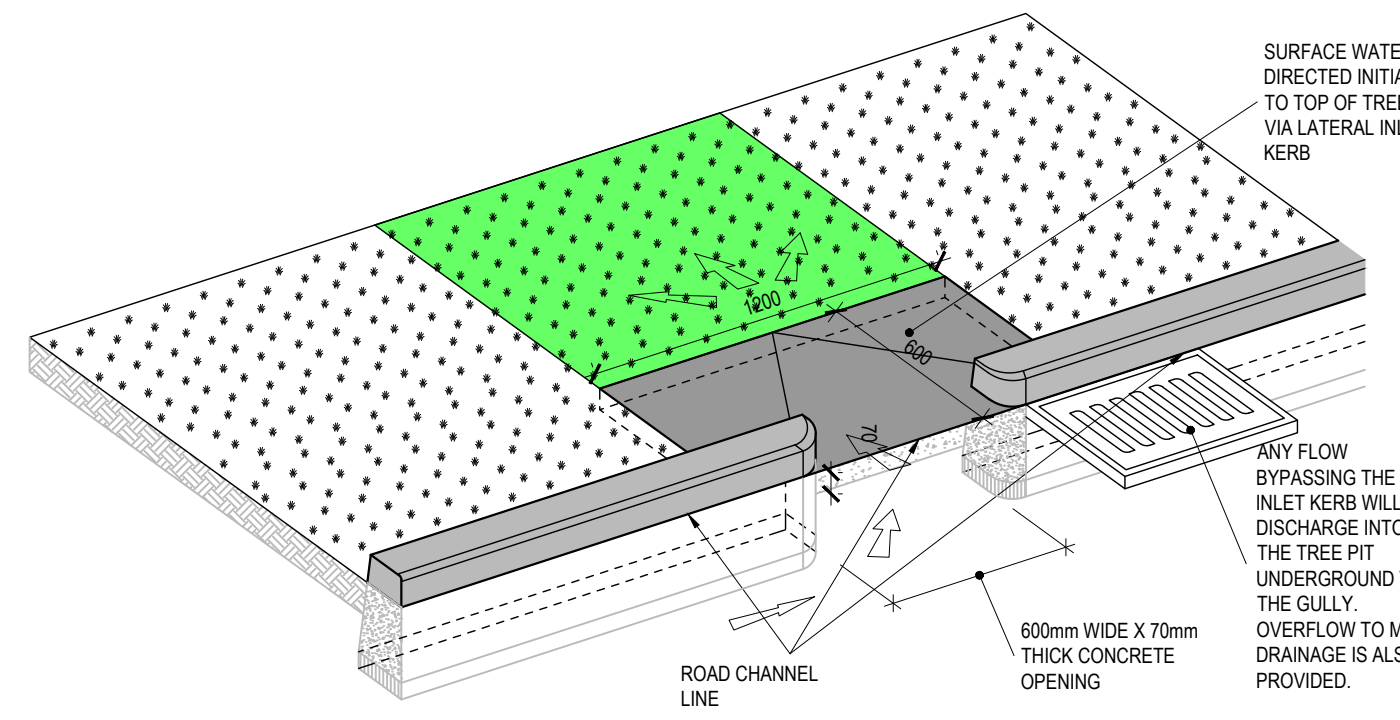
'BRIO' MANHOLE DETAIL
SCALE 1:25



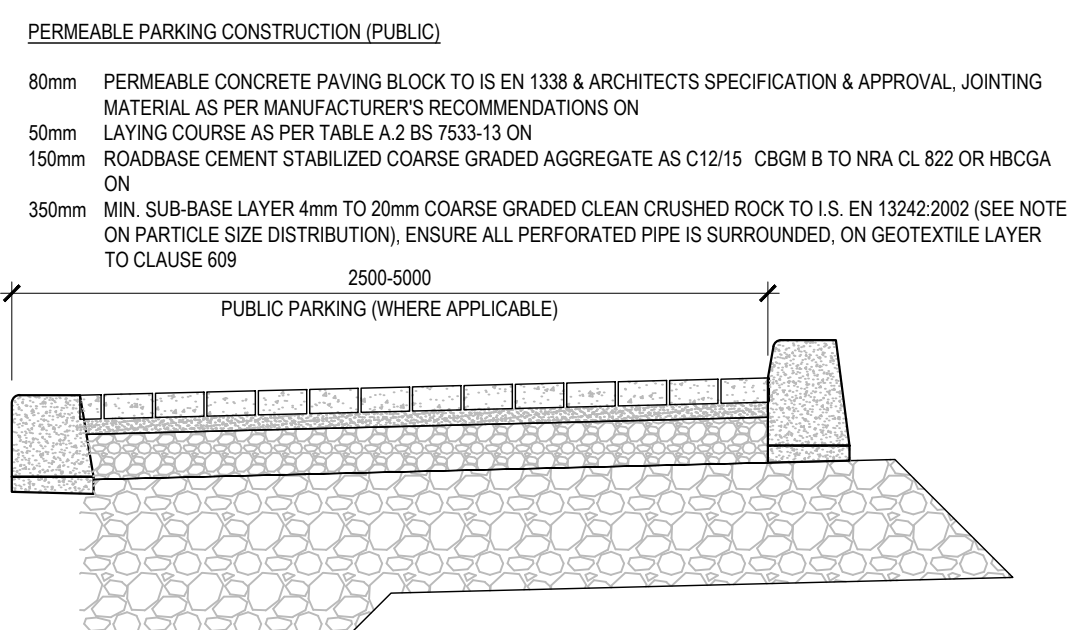
TYPICAL LONGITUDINAL SECTION THROUGH ATTENUATION FACILITY & DETENTION BASIN
SCALE 1:100



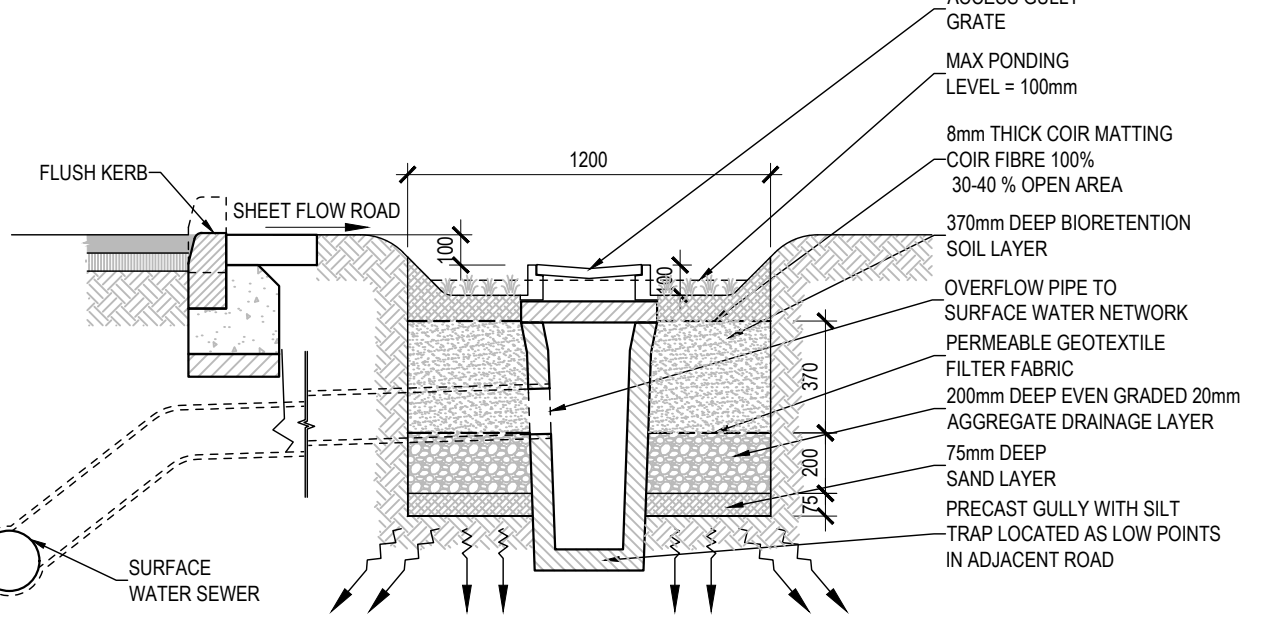
TYPICAL CROSS SECTION THROUGH ATTENUATION FACILITY & DETENTION BASIN
SCALE 1:100



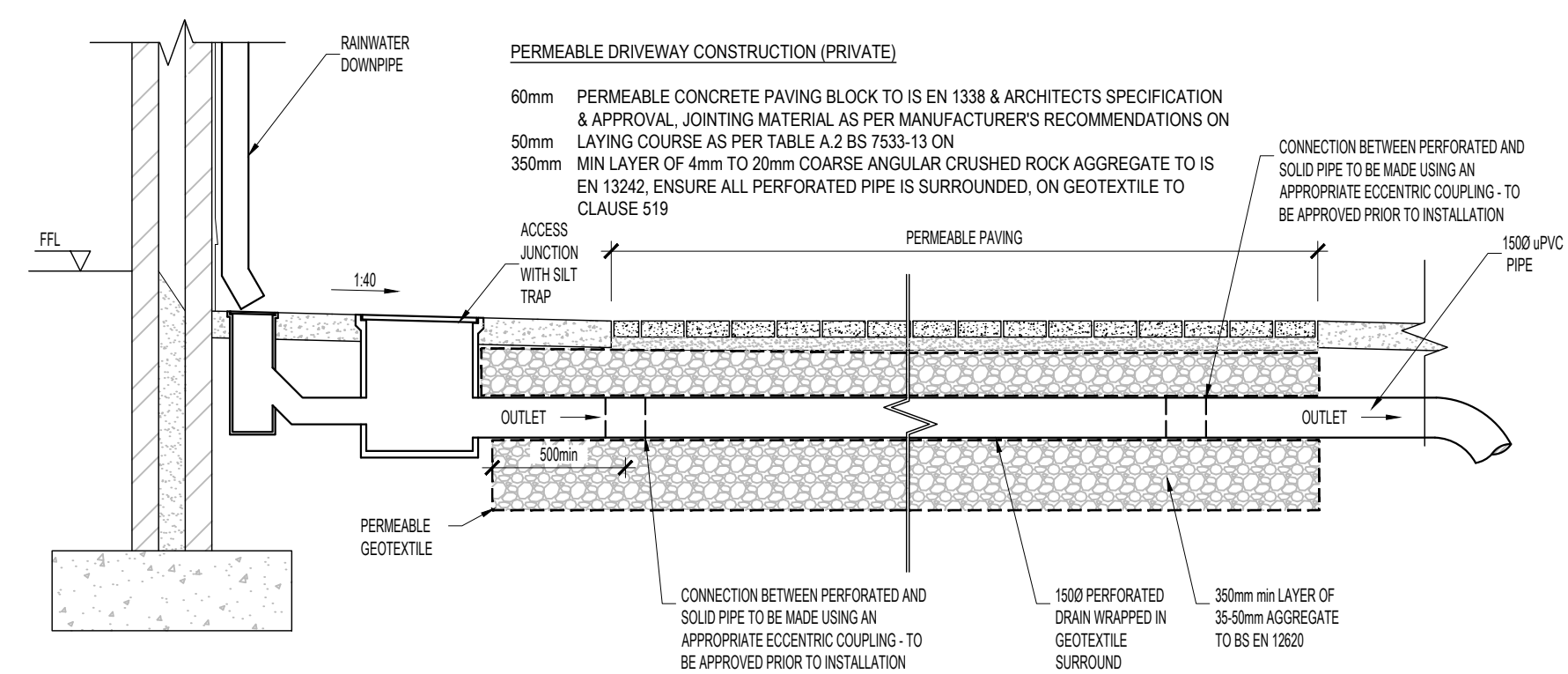
LATERAL INLET KERB CONNECTING TO TREE PIT - ISOMETRIC VIEW
SCALE 1:25



TYPICAL SECTION THROUGH PERMEABLE PAVING (PUBLIC)
SCALE 1:25



TYPICAL SECTION THROUGH RAIN GARDEN
SCALE 1:25



TYPICAL SECTION THROUGH PERMEABLE PAVING (PRIVATE)
SCALE 1:25

ON ORIGINAL
0 5 10 20 30 40 50mm

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NO CHANGES OF WHATSOEVER NATURE ARE TO BE MADE TO ANY DETAILS SET OUT OR CONTAINED IN ANY DBFL SPECIFICATIONS OR DRAWINGS UNLESS THE EXPRESS CONSENT HAS BEEN OBTAINED IN ADVANCE, IN WRITING, FROM DBFL.

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 FABS SPINDLE CAP OF CAST IRON AND IRON CHAIN. HYDRANT VALVE SHALL BE 'ANTI CLOCKWISE OPENING'.
- SUICHE 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 SUICHE 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 (OD) PIPE (HEAVY DUTY AND BOUNDARY 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 LIAISE WITH LOCAL OVERSEEING 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.

P01	03-10-25	LRD Stage 3 Submission	AAC	BCU
rev	date	description	by	chk
STATUS CODES				
purpose	acceptance			
P3 - PLANNING PERMISSION		S - ISSUED		

DBFL

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DUBLIN | CORK | GALWAY | WATERFORD

project ref.				
BALLYMASTONE_PHASE 3 LRD				
drawing title				
TYPICAL SUDS DETAILS				
architect				
MDO				
designed by	author	scale	sheet size	
BCU	AAC	AS SHOWN	A1	
drawing no.	20003-DBF-XXXX-XX-DR-C01-533004			revision
				P01