



**LEGEND:**

- EXISTING SURFACE WATER DRAINAGE
- PROPOSED SURFACE WATER DRAINAGE
- EXISTING FOUL SEWER
- PROPOSED FOUL SEWER
- PROPOSED UNDERCROFT CARPARK STORM WATER DRAINAGE (DISCHARGE PIPE)
- TOPOGRAPHIC SURVEY DATA
- PROPOSED LEVELS
- PROPOSED SURFACE WATER FLOW
- DENOTES ROAD SURFACING
- DENOTES FOOTPATH SURFACING
- DENOTES PERMEABLE FOOTPATH
- DENOTES PERMEABLE WALKWAY
- DENOTES PERMEABLE PARKING SPACE
- DENOTES SWALES
- DENOTES BIO-RETENTION AREA ONLY
- DENOTES BIO-RETENTION AREA AND TREE PIT WITH WATERING FACILITIES BY STORM WATER RUNOFF FROM THE CARRIAGEWAYS
- DENOTES GREEN ROOFS
- DENOTES PUBLIC OPEN SPACE (LANDSCAPE)
- DENOTES GREEN ROOFS OVER CARPARK
- DENOTES GRASSIETTE FOOTPATH
- DENOTES TYPICAL ROOF TO ARCH DESIGN

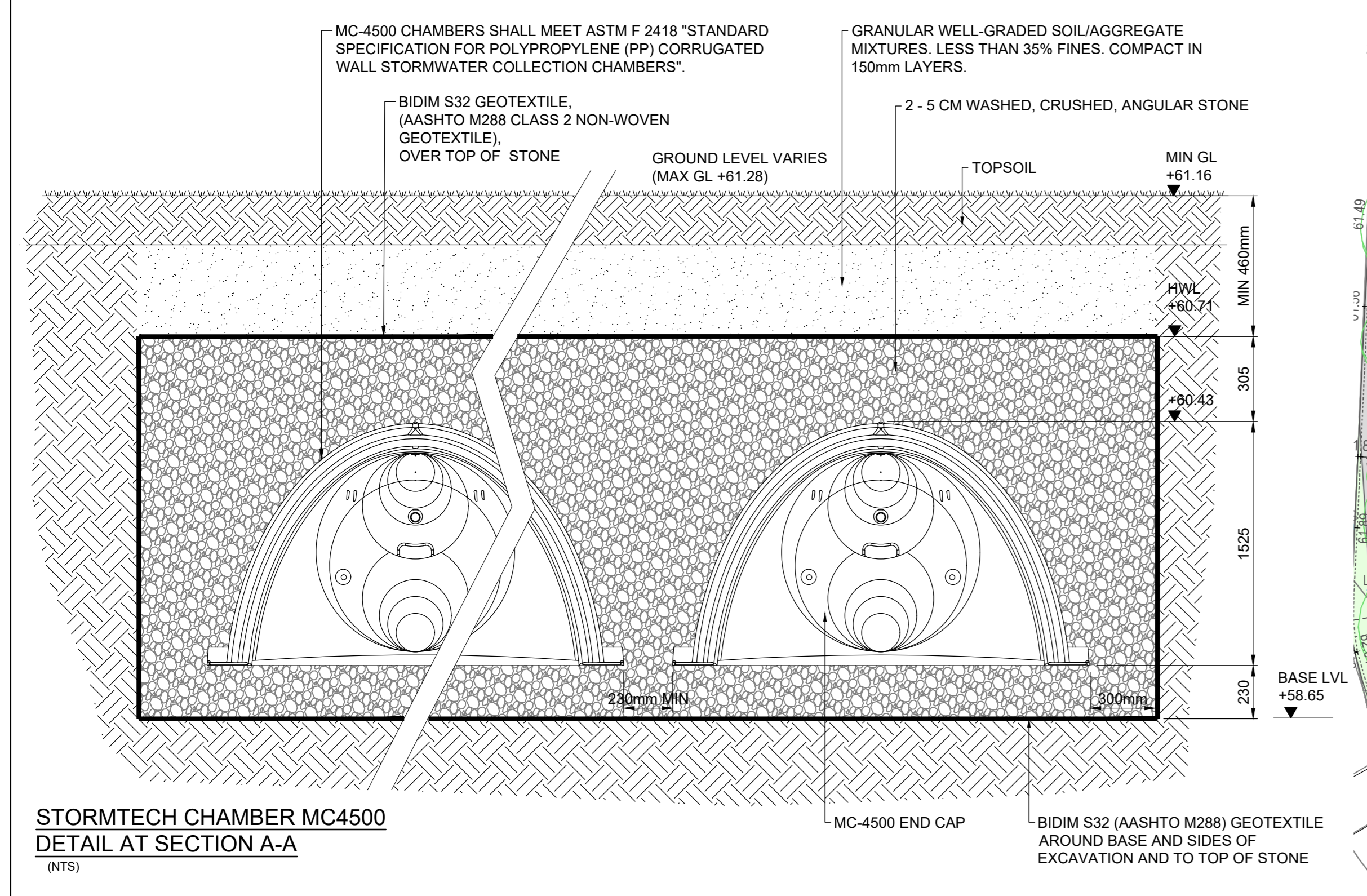
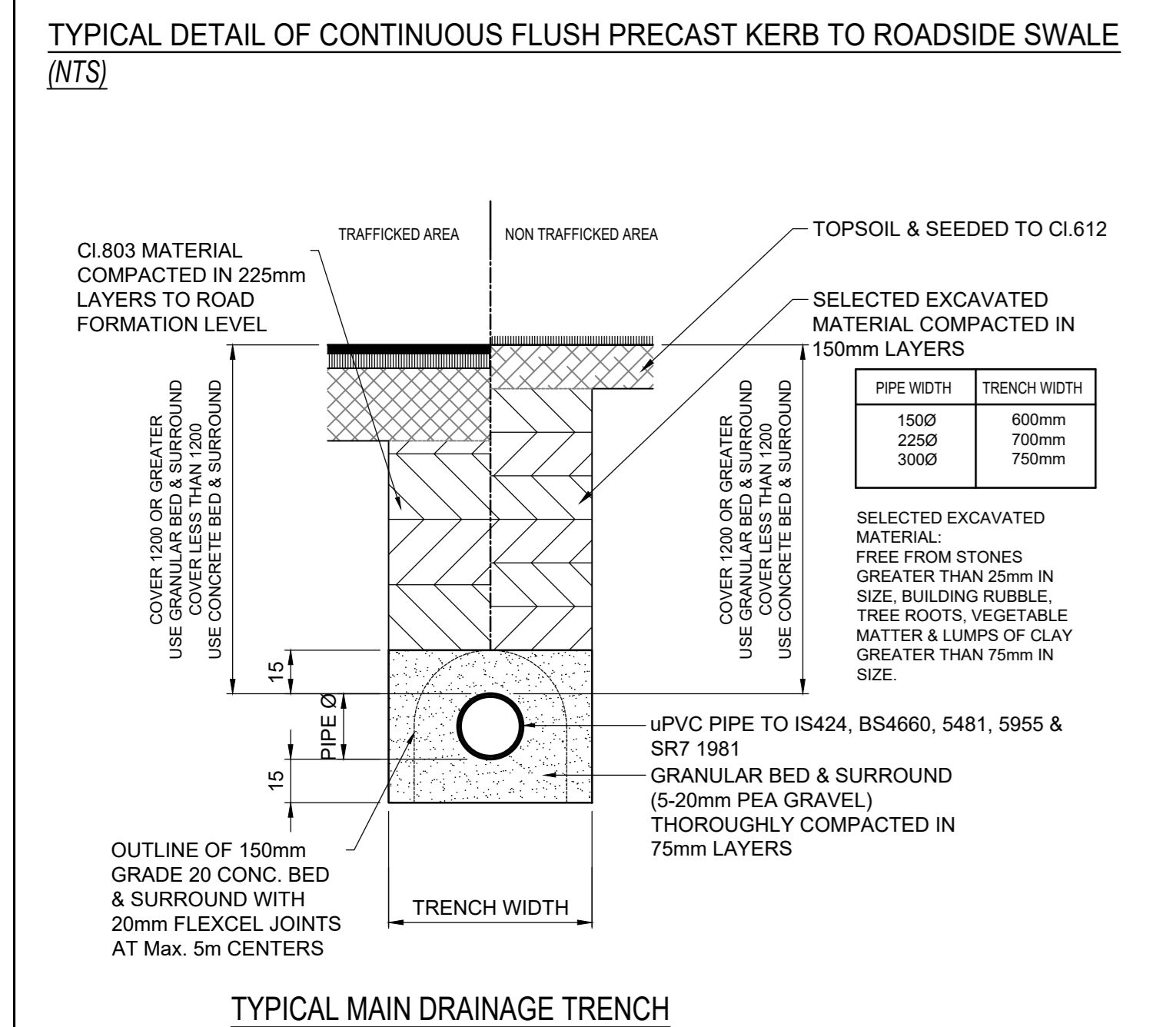
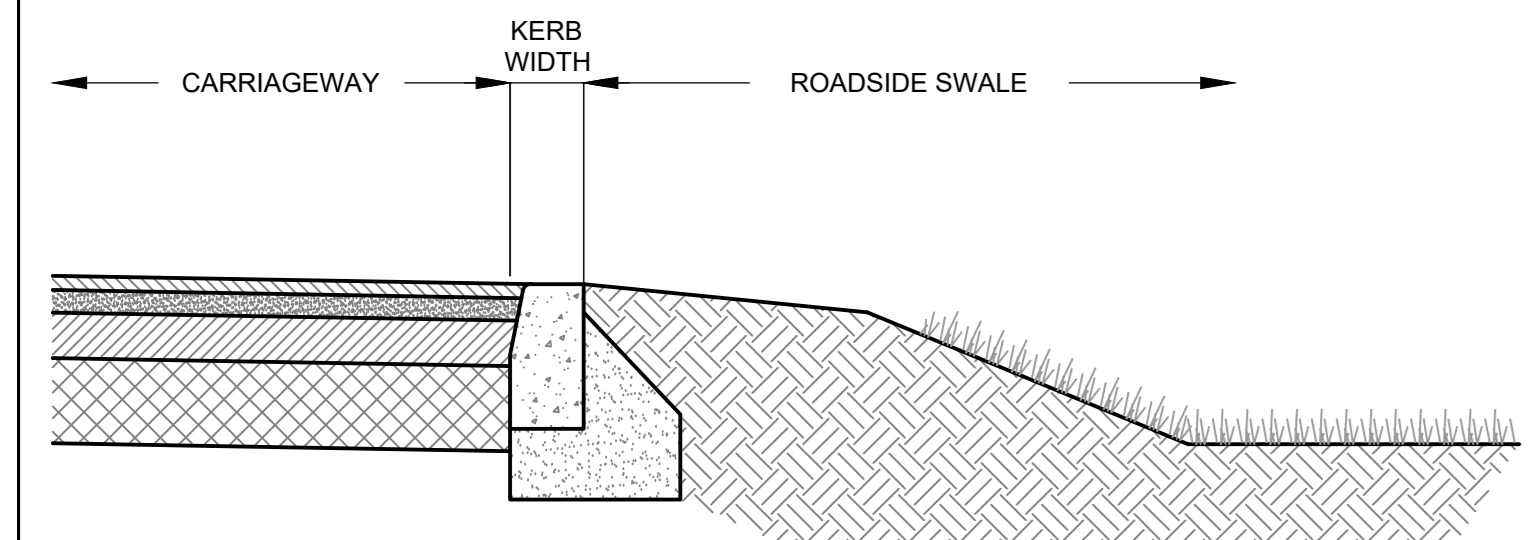
**FOR WATERMAIN DETAILS, FOUL SEWER DETAILS, AND ALL ASSOCIATED WORKS DETAILS REFER TO IRISH WATER DETAILS AND IRISH WATER CODE OF PRACTICE FOR WATER AND WASTEWATER INFRASTRUCTURE:**

- IW-CDS-5020-3
- IW-CDS-5030-3
- IW-CDS-5030-3

**WASTEWATER PIPE MATERIALS:**

All sewer pipe materials to be in compliance with section 3.13.3 of the Irish Water "Code of Practice for Wastewater Infrastructure" Ref. IW-CDS-5030-03

Unplasticised PVC; Unplasticised PVC pipes and fittings shall comply with the provisions IS EN 1401 2009/2012. Pipes to be application area code "UD". Stiffness Class 8kN/m<sup>2</sup>. Provision for jetting shall be based on the WRC Sewer Jetting Code of Practice, June 1997. Pipes to be capable of resisting a maximum jetting pump pressure of 2,600psi (180 Bar) without damage. (Sewer diameters 150mm up to 450mm, Service Connections of 100mm diameter);



PL16	05-03-20	P8	DOCS	FOUL SEWER SPECIFICATION ACCORDING TO IW
PL16	05-03-20	P8	DOCS	ISSUED FOR PLANNING - REVERSED ACCORDING TO BDCC
PL16	05-03-20	P8	DOCS	ISSUED FOR PLANNING - REVERSAL OF SWALES
PL16	05-03-20	P8	DOCS	ISSUED FOR PLANNING - ALIGNMENT OF SWALES

Planning  
 Residential Development  
 @ ST. EDMUNDS PHASE 3,  
 PALMERSTOWN,  
 DUBLIN 20

Drainage Layout  
 Sheet 1 of 2

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Rev: 005  
 Date: December 2021

PL16 D1621 D1 PL16