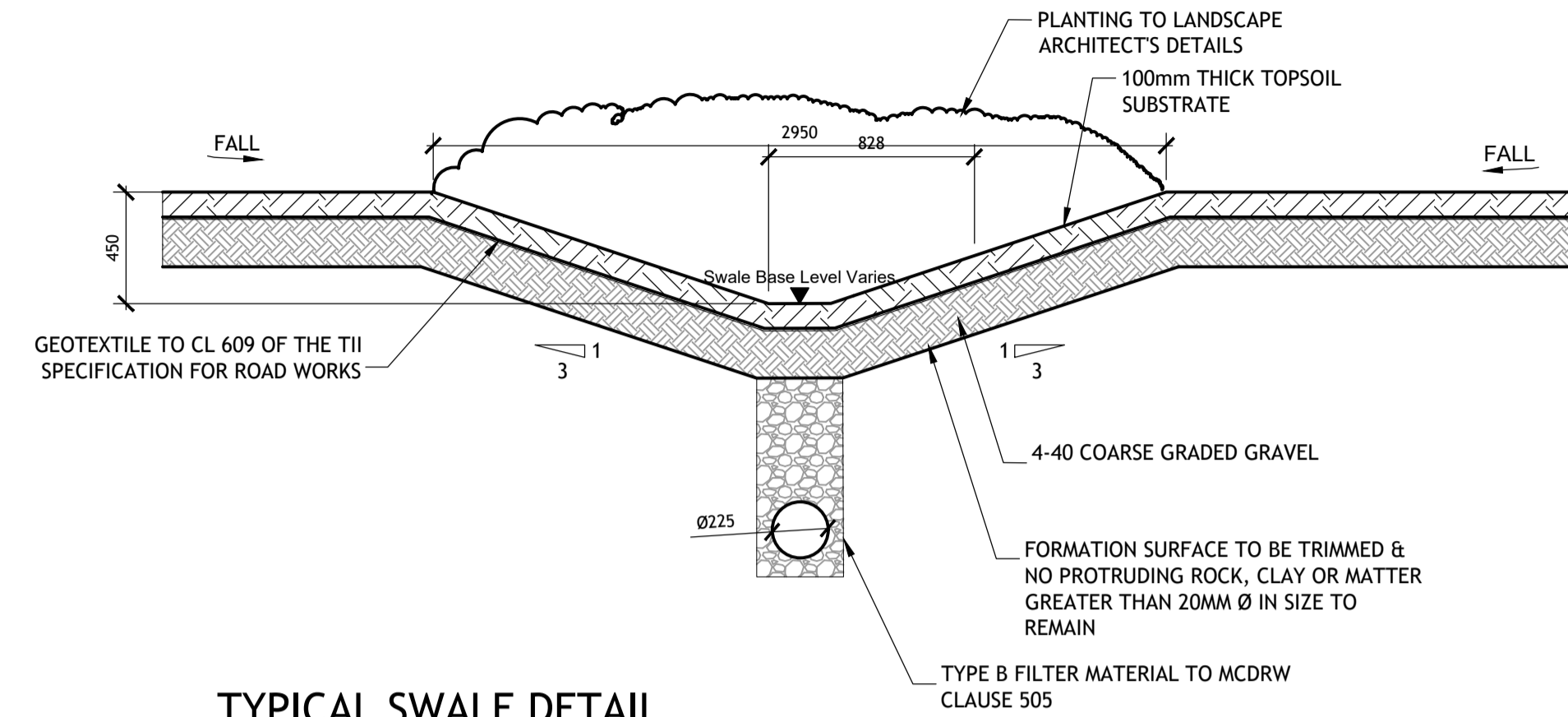


**RAIN GARDEN - TYPICAL SECTION**  
SCALE 1:20

- 500mm DEEP FILTER MEDIUM SHALL COMPLY WITH THE RECOMMENDATIONS OF CIRIA REPORT C753. THE BASIC REQUIREMENTS OF THE MATERIAL SHALL BE:  
SATURATED HYDRAULIC CONDUCTIVITY TO BE BETWEEN 100mm/h - 300mm/h - TESTED IN-SITU USING THE SINGLE RING INFILTRATION TEST - EN ISO 22282-5:2012  
POROSITY > 30% (WHEN TESTED IN ACCORDANCE WITH BS 1377-2:1990)  
PARTICLE SIZE DISTRIBUTION  
6mm 100% PASSING  
2mm 90-100% PASSING  
0.6mm 40-70% PASSING  
0.2mm 5-20% PASSING  
0.063mm <5% PASSING
- ORGANIC MATTER CONTENT - 3-5% (w/w)
- SOILS SHALL BE ASSESSED BY HORTICULTURIST TO ENSURE THAT IT WILL SUPPORT HEALTHY VEGETATION COMMUNITY.
- ANY COMPONENT FOUND TO CONTAIN HIGH LEVELS OF SALT, CLAY OR SILT PARTICLES OR OTHER EXTREMES WHICH MAY BE CONSIDERED RETARDANT TO PLANT GROWTH SHALL BE REJECTED.
- THE FILTER MEDIUM LAYER MATERIAL SHALL NOT BE COMPACTED WHEN PLACED.



**TYPICAL SWALE DETAIL**  
SCALE 1:25

Rev	Amendment	By	Date	Rev	Amendment	By	Date
C01	PART 8 PLANNING APPLICATION ISSUE	RD	2022/08/18				

Rev	Amendment	By	Date

Client:  
**SOUTH DUBLIN COUNTY COUNCIL**

Project: NEW MECHANICAL SERVICES DEPOT AND ADDITIONAL SALT BARN			
Title: TYPICAL DRAINAGE DETAILS - SHEET 3			
Drawn: RD	Date drawn: AUGUST 2022	Technician Check: RD	Engineer Check: SOC
Project No: 222153	Model Ref: 222153-PUNCH-XX-XX-M2-C-0500	Drawing Status: A0	Approved: MCD
Scale @ A1: AS SHOWN	Document No: 222153-PUNCH-XX-XX-DR-C-0502	Revision No: C01	