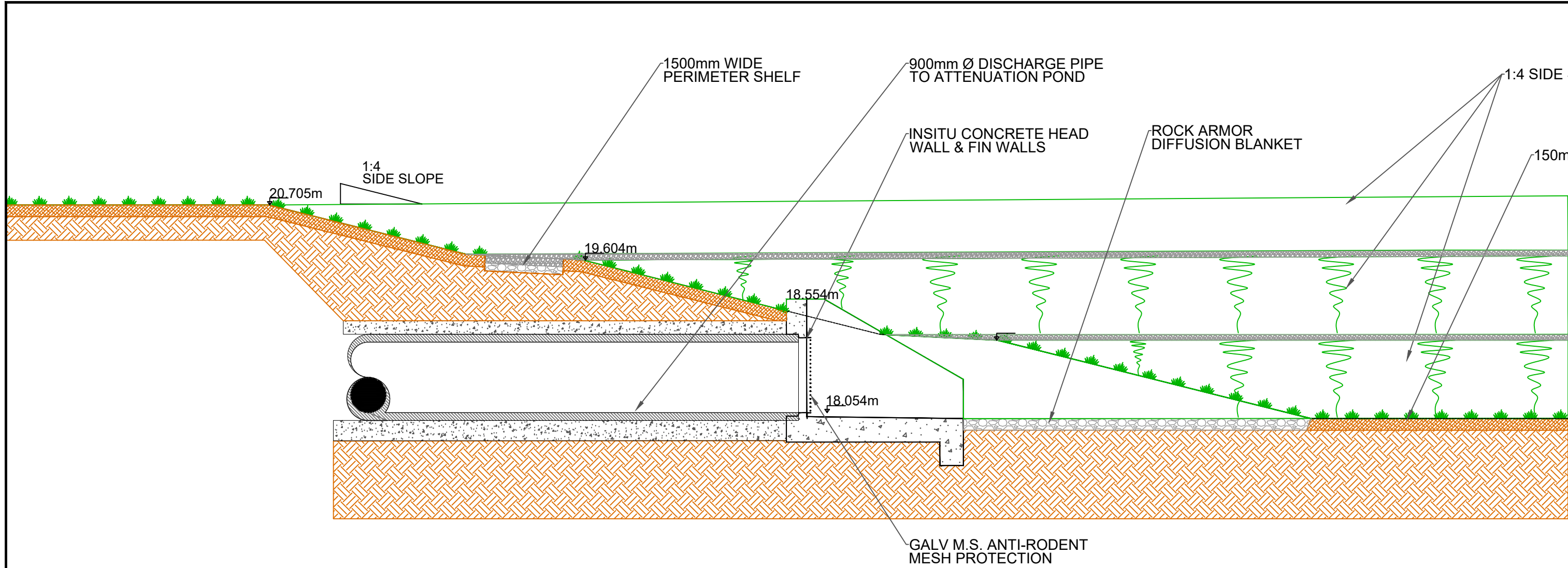


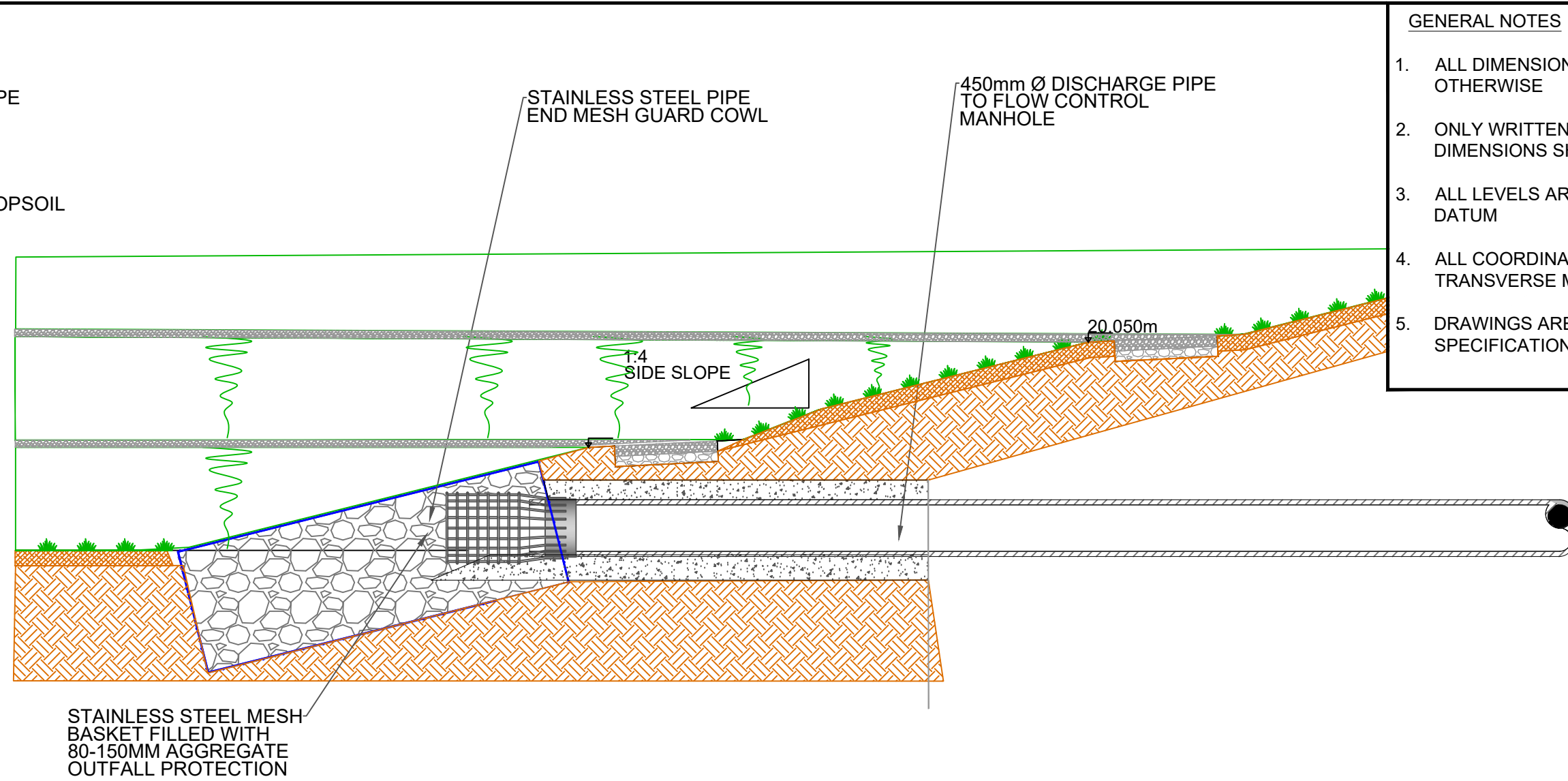
A1

DO NOT SCALE

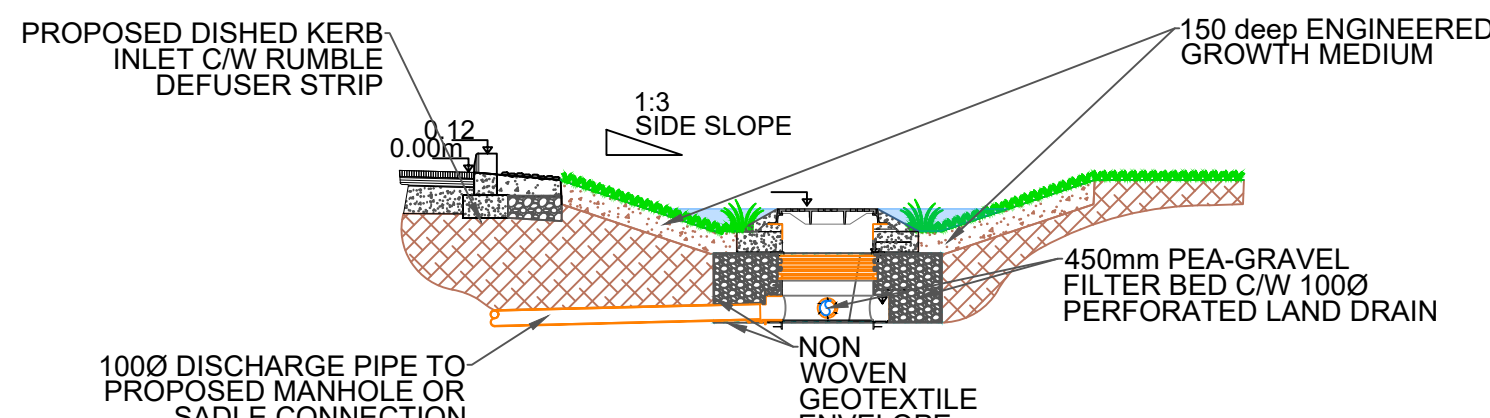
File: ATK-ZZ-ZZ-DR-CE-909004.dwg
Date: Sep 15, 2026 - 7:24pm
Plotted by: MUR07315



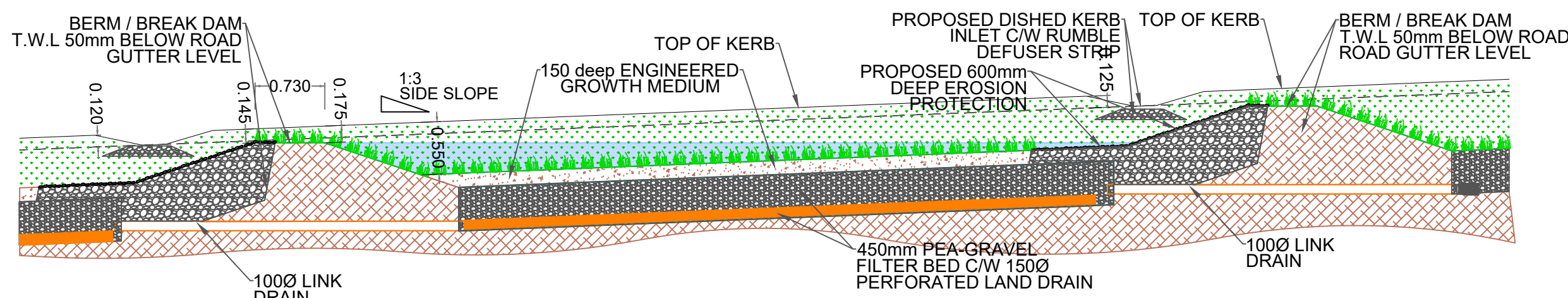
PROTECTED POND INLET DETAIL
Scale 1:50



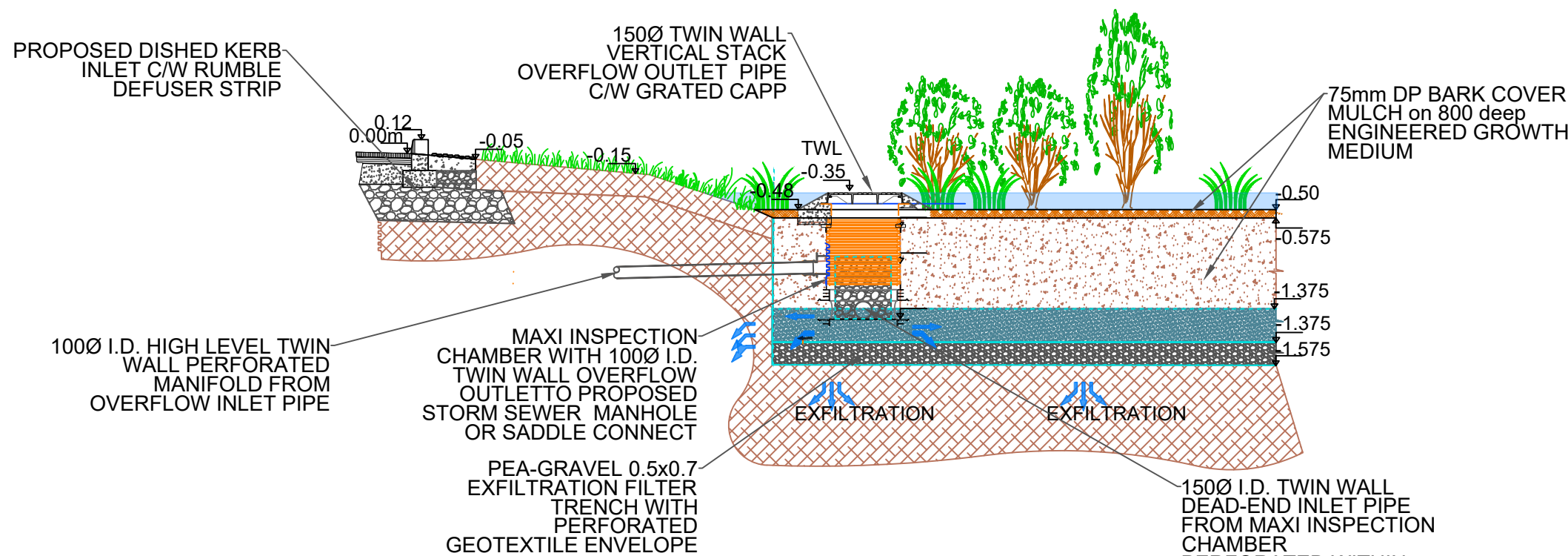
- GENERAL NOTES
1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE
 2. ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS
 3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM
 4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR
 5. DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION



WET-SWALE CROSS-SECTION
Scale 1:5

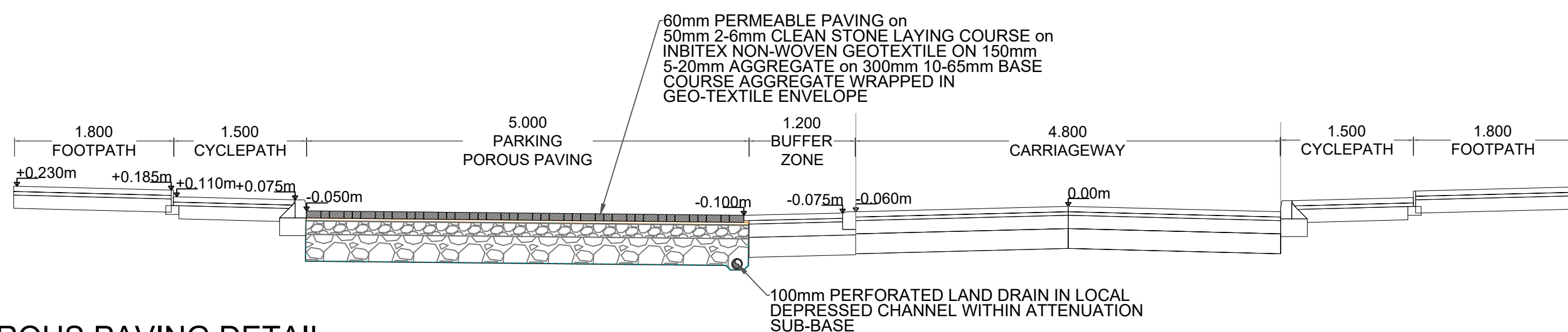


CASCADING DRY-SWALE LONG-SECTION
Scale 1:5



BIO-RETENTION AREA BUILD-UP DETAIL
Scale 1:5

BIO-RETENTION COMPONENTS	
COMPONENT	PURPOSE
Grass Filter Strip / Grass Channel.	TO REDUCE INCOMING RUNOFF VELOCITIES AND TO FILTER PARTICLES.
Ponding Area.	FOR TEMPORARY STORAGE OF SURFACE WATER PRIOR TO EVAPORATION, INFILTRATION, PLANT UPTAKE. THE PONDING AREA ALSO PROMOTES ADDITIONAL SETTLING.
Organic / mulch layer.	FOR FILTRATION, AND TO CREATE AN ENVIRONMENT CONDUCIVE TO THE GROWTH OF MICRO-ORGANISMS THAT DEGRADE HYDROCARBONS AND ORGANIC MATTER.
Planting Soil	FOR FILTRATION, AND AS A PLANTING MEDIUM. THE CLAY COMPONENT WILL PROVIDE GOOD ABSORBSION SITES FOR HYDROCARBONS, HEAVY METALS, NUTRIENTS ETC.
Woody and Herbaceous Plants.	TO PROVIDE VEGETATIVE UPTAKE OF POLLUTANTS.
Sand Bed.	TO PROVIDE GOOD DRAINAGE AND AEROBIC CONDITIONS OF THE PLANTING SOIL. THE SAND BED ALSO PROVIDES FINAL POLISHING TREATMENT.



POROUS PAVING DETAIL
Scale 1:50

© ORDNANCE SURVEY IRELAND LICENSE NR. AR 0082526. ORDNANCE SURVEY IRELAND & GOVERNMENT OF IRELAND
ATKINS WILL NOT BE HELD LIABLE FOR THE USE OF THIS DATA ON ANY PROJECT OTHER THAN THE PROJECT:
OLD CONNAUGHT PHASE A1 LRD

Risk Level	- Atkins Base Line - Low Risk
	Atkins Sensitive - Medium Risk
	Atkins Private - High Risk
	Client Critical - Already Marked

Rev	Description	By	Date	Chk'd	Rev'd	Auth
P02	ISSUED FOR PLANNING		PM 21.07.26	IPR	GH	GH
P01	ISSUED FOR PLANNING		PM 09.07.26	IPR	GH	GH

AtkinsRéal

DUBLIN | CORK | GALWAY | DUNDALK
ATKINS HOUSE, 150 AIRSIDE BUSINESS PARK, SWORDS, DUBLIN, K67 K5W4.
Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com
Unit 28, 2200 Cork Airport Business Park, Cork Tel (+353) 021 429 0300 Fax (+353) 021 810 8001
1st Floor Technology House Parkmore Technology Park, Galway Tel (+353) 091 788 050 Fax (+353) 091 779 830

Client
CASTLETHORN OLD CONNAUGHT UCL
Project
OLD CONNAUGHT PHASE A1 LRD

Purpose		FOR PLANNING				
Title		STANDARD CONSTRUCTION DETAILS SHEET 4				
Original	Scale	Drawn	Checked	Reviewed	Authorised	
AS SHOWN		PM	IPR	GH	GH	
Date	20.01.26	Date	20.01.26	Date	20.01.26	Date
Status	Drawing Number					Rev
S4	ATK-ZZ-ZZ-DR-CE-909004					P02