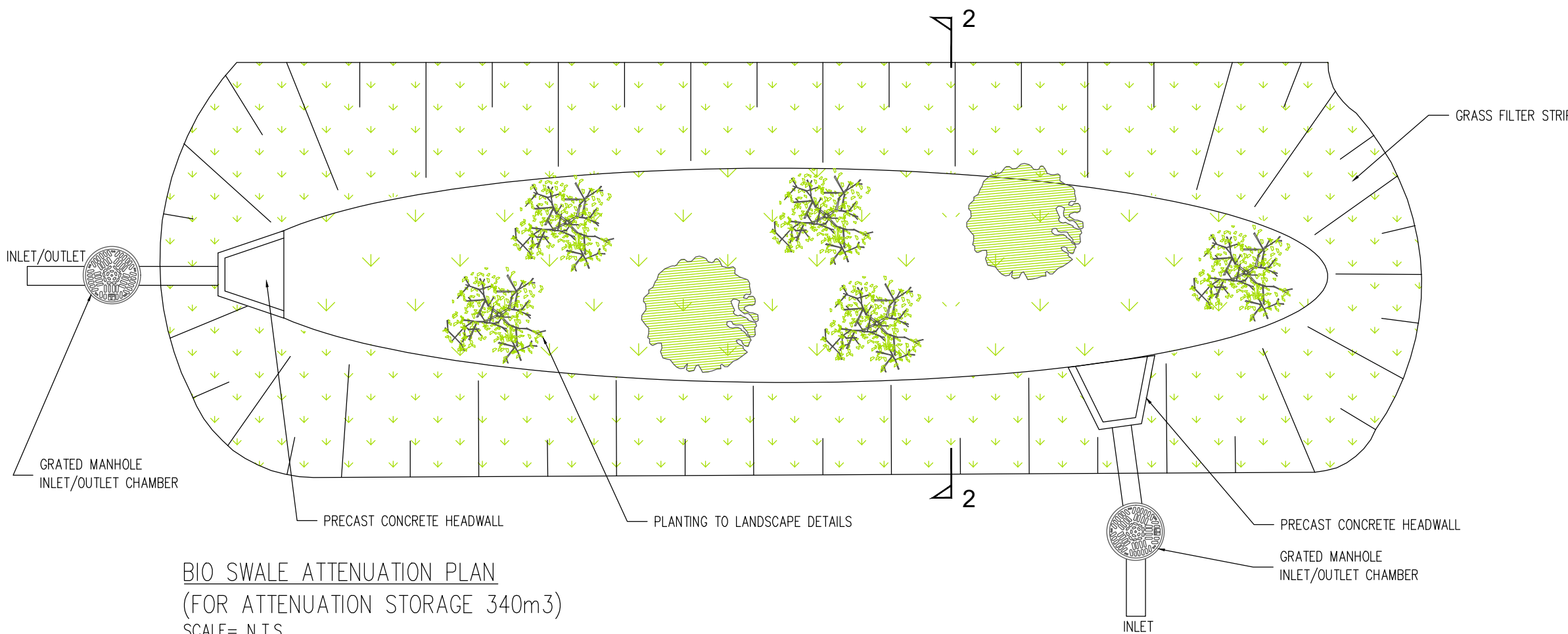
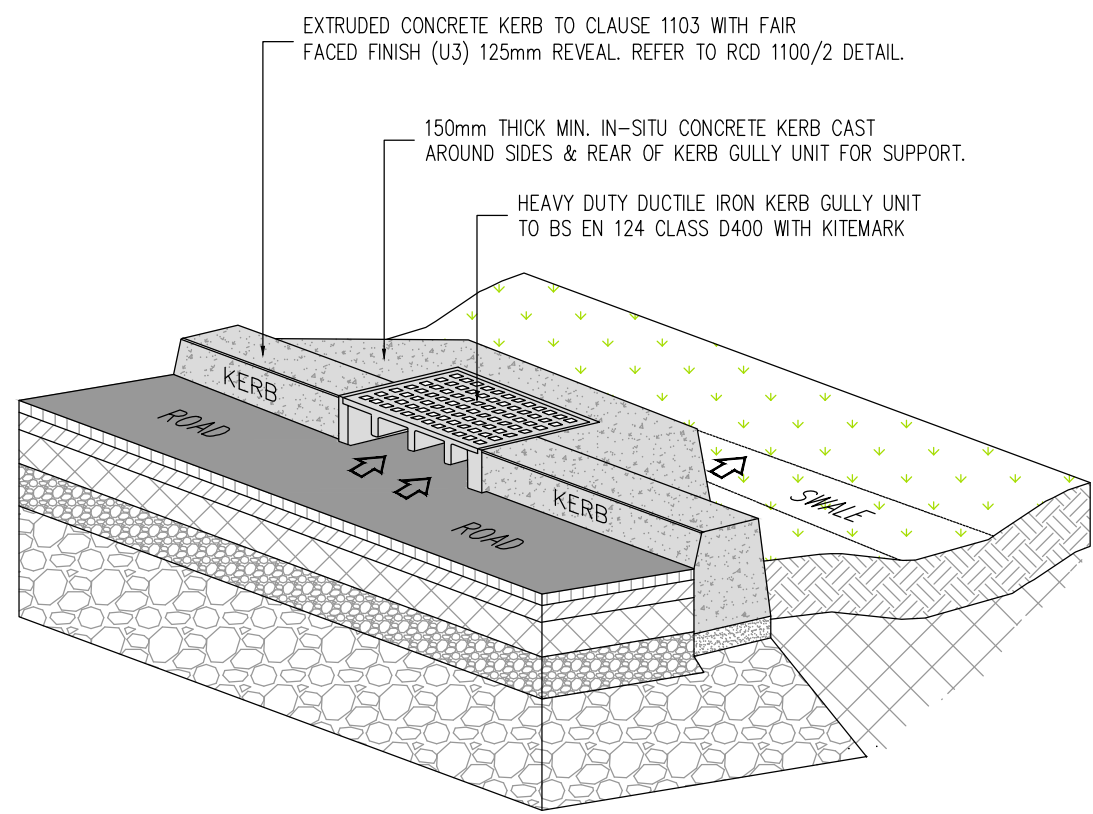


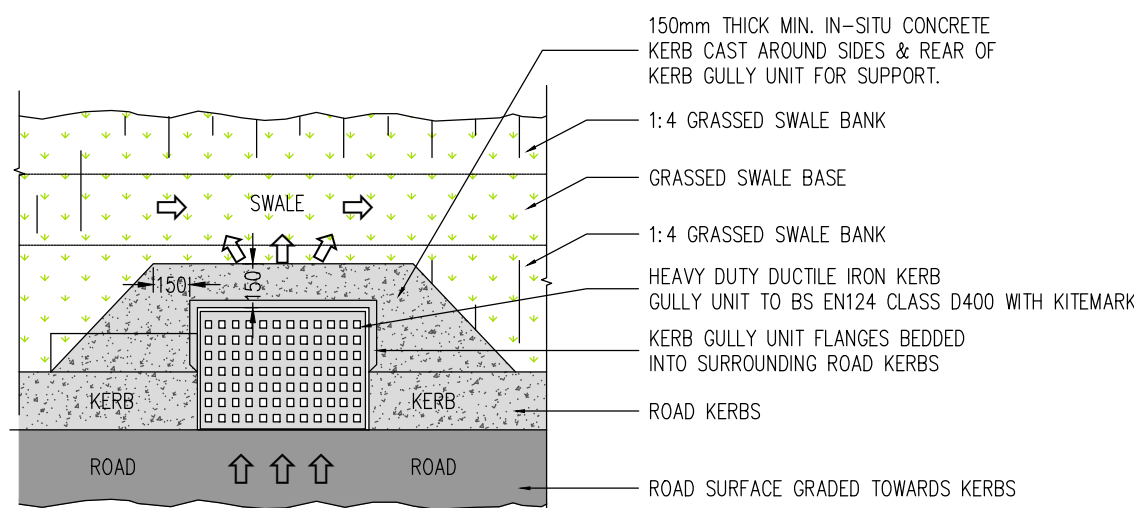
BIO-RETENTION PLAN.
SCALE= N.T.S.



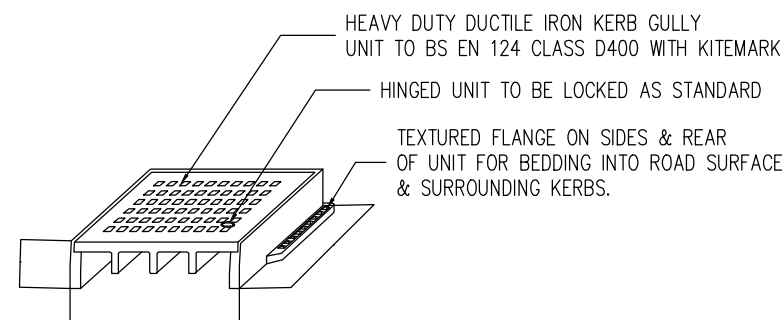
BIO SWALE ATTENUATION PLAN
(FOR ATTENUATION STORAGE 340m3)
SCALE= N.T.S.



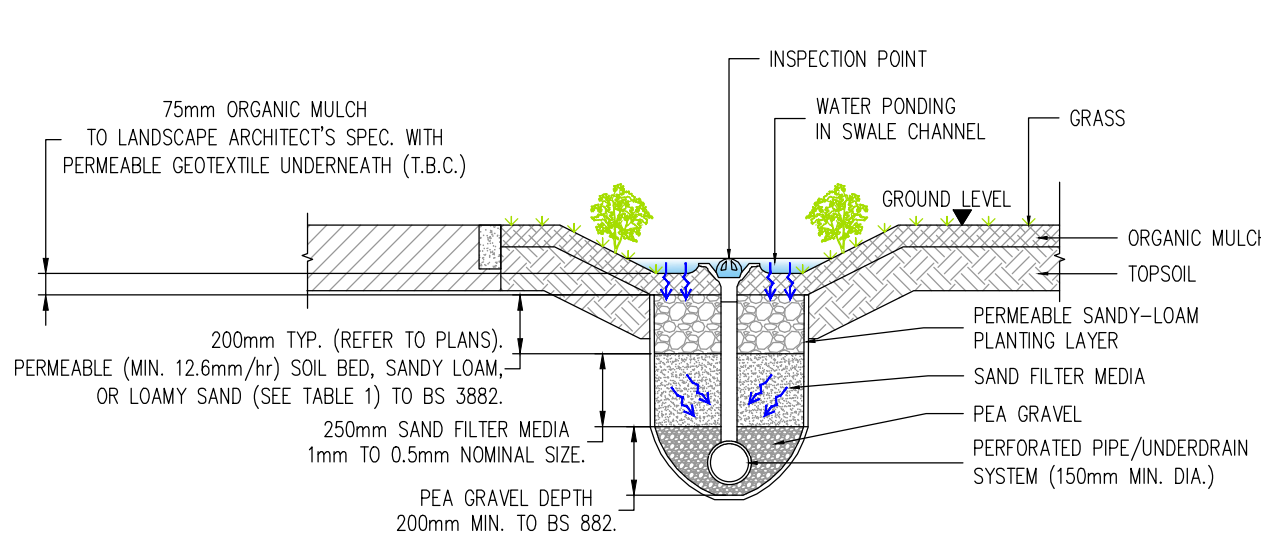
LATERAL INLET KERB GULLY SCHEMATIC.
(FOR ROAD DRAINAGE).
SCALE= N.T.S.



LATERAL INLET KERB GULLY-PLAN.
(FOR ROAD DRAINAGE).
SCALE= N.T.S.

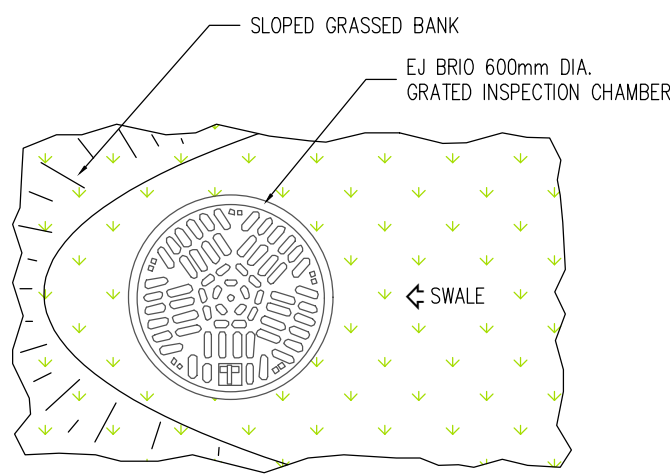


LATERAL INLET KERB GULLY DETAIL.
(LOCATED ALONG KERBLINES TO ALLOW ROAD
SURFACE WATER RUN-OFF INTO SWALES).
SCALE= N.T.S.

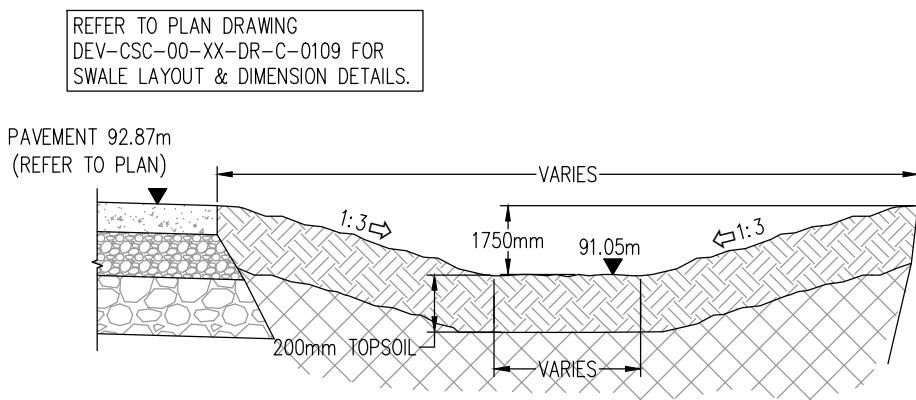


BIO-RETENTION SWALE.
SCALE= N.T.S.

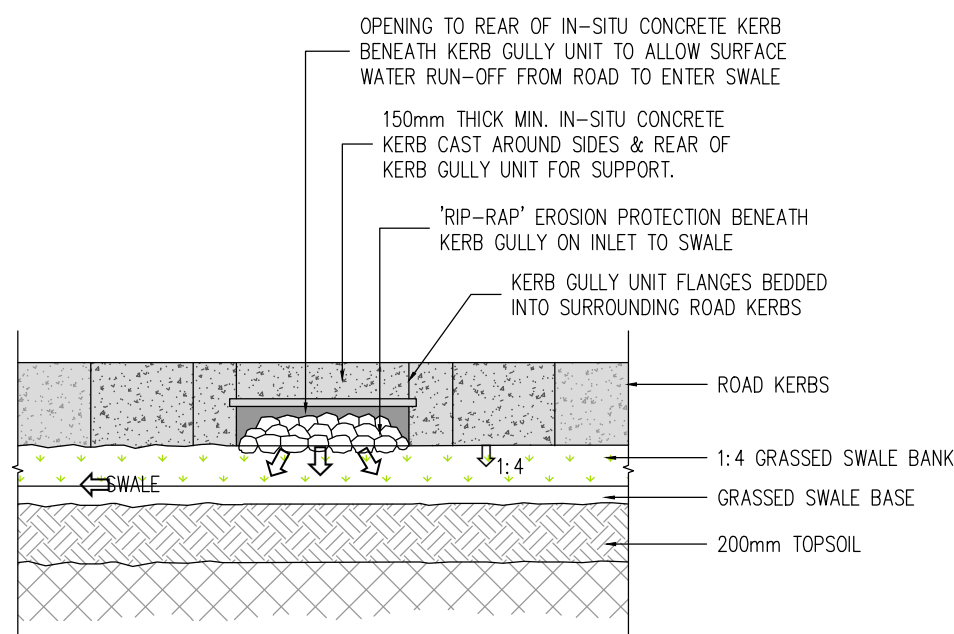
TABLE1	
COMPONENT	PERCENTAGE MIXTURE
SAND	35-60%
SILT	30-50%
CLAY	10-25%
ORGANIC MATTER	0-4%
TOP SOIL	-



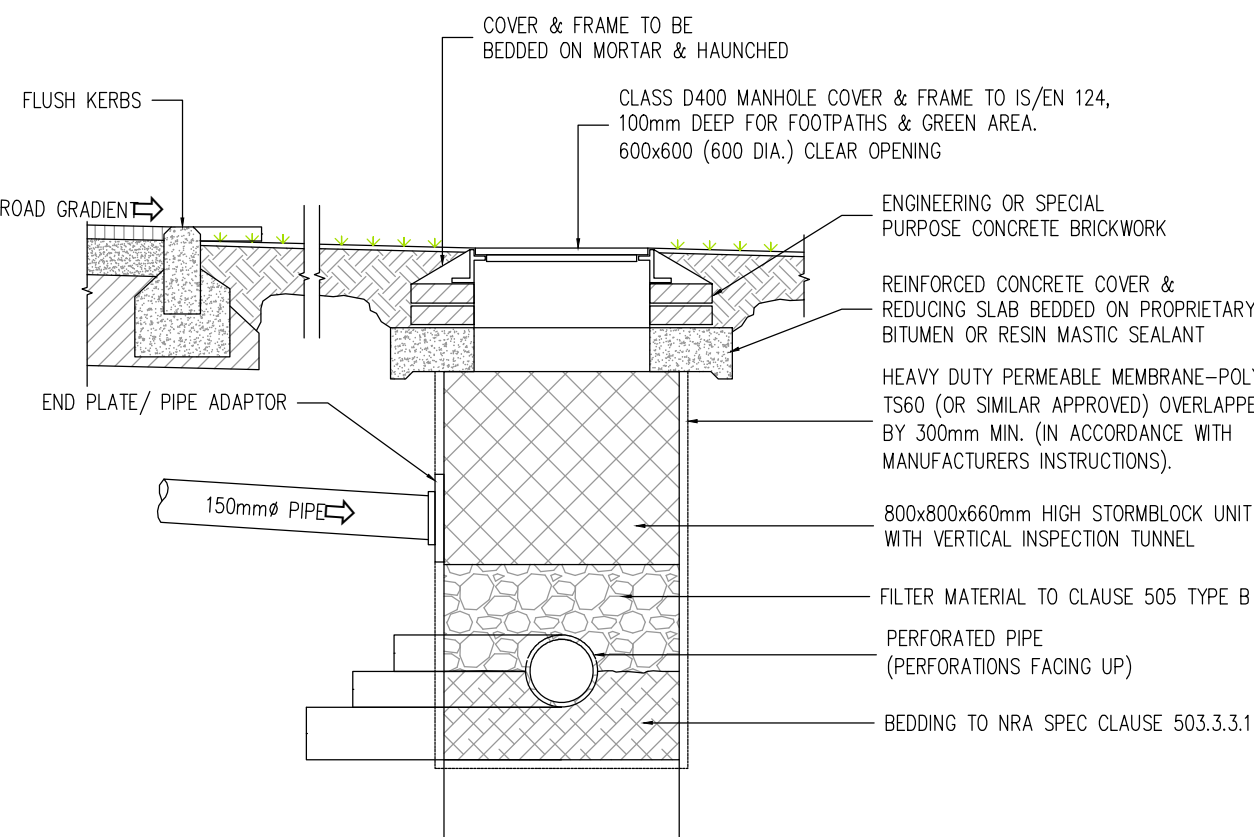
PLAN.
SCALE= N.T.S.



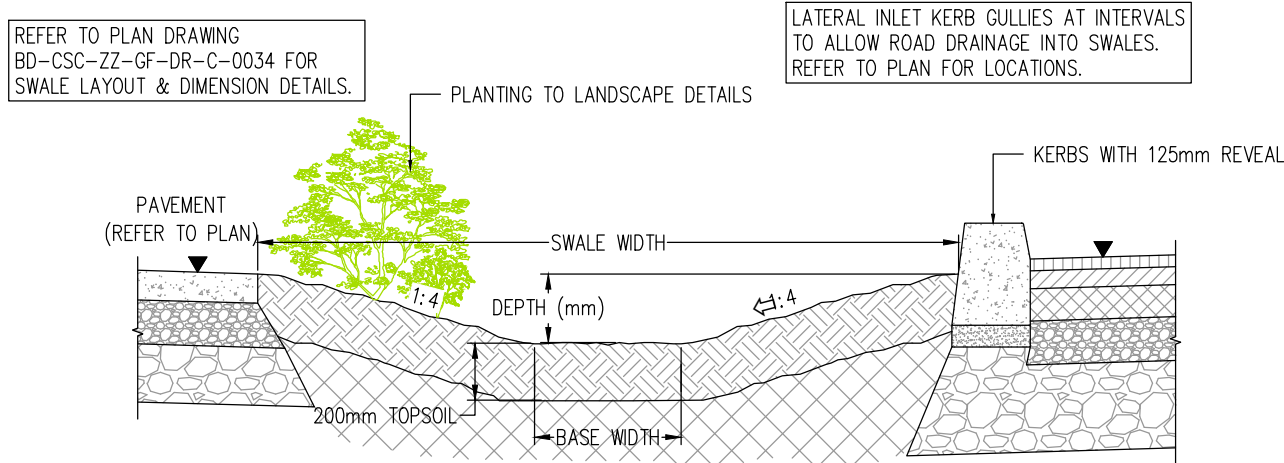
BIO SWALE CROSS SECTION 2-2.
(FOR ATTENUATION STORAGE 340m3)
SCALE= N.T.S.



LATERAL INLET KERB GULLY TO SWALE-REAR ELEVATION.
(FOR ROAD DRAINAGE).
SCALE= N.T.S.



GULLY CONNECTION TO FILTER DRAIN.
SCALE= N.T.S.



'WET' SWALE CROSS SECTION.
(FOR ROAD DRAINAGE).
SCALE= N.T.S.

NOTES:

1. C20/25 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 260kg/m³, MAXIMUM WATER/CEMENT RATIO OF 0.65 & SLUMP CLASS S2.
2. C25/30 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 280kg/m³, MAXIMUM WATER/CEMENT RATIO OF 0.65 & SLUMP CLASS S2.
3. C40/50 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 400kg/m³, MAXIMUM WATER/CEMENT RATIO OF 0.45 & SLUMP CLASS S3.
4. WHERE CLASS 6F1/6F2 CAPPING MATERIAL IS PROPOSED WITHIN 500mm OF CONCRETE OR STEEL, CLASS 6N TO BE USED INSTEAD.

NOTES:

- ALL WORKS & SPECIFICATIONS TO BE UNDERTAKEN IN ACCORDANCE WITH:
- NRA SPECIFICATIONS FOR ROADWORKS
 - GREATER DUBLIN CODE OF PRACTICE FOR DRAINAGE WORKS.
 - RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS.

PLANNING DRAWING.
NOT FOR CONSTRUCTION.
ALL LEVELS GIVEN ARE
RELATIVE TO ORDNANCE DATUM.
THIS DRAWING HAS BEEN ISSUED FOR INFORMATION
PURPOSES ONLY AND MUST NOT BE USED
FOR CONSTRUCTION UNDER ANY CIRCUMSTANCES

- NOTES
1. For setting out refer to Architect's drawings.
 2. This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
 3. DO NOT SCALE THIS DRAWING. Use figured dimensions only.
 4. No part of this document may be reproduced or transmitted in any form or stored in any retrieval system of any nature without the written permission as copyright holder except as agreed for use on the project for which the document was originally issued.
 5. Ordnance Survey Ireland Licence Number EN 0074022

Rev. No.	Date	REVISION NOTE	Dwg. By	Chkd. By

Client	COADY ARCHITECTS			
Project	DEVELOPMENT AT DEVROY BARRACKS, NAAS			
Title	SUDS DETAILS 2 OF 2			
Dwg. No.	DEV-CSC-00-XX-DR-C-0156			
Date	Dwg. by	Chkd. by	Apprd. by	Scale
July 2021	AB	GL	NB	AS SHOWN @A1

CS Consulting Group
DUBLIN | LONDON | LIMERICK

Head Office
19-22 Dame Street, Dublin 2.
T: +353 (0)1 5480863
e: info@csconsulting.ie
w: www.csconsulting.ie

NSAI Certified

Quality
Environment
Energy
Health & Safety

ISO 9001:2008
ISO 14001:2004
ISO 50001:2011
OHSAS 18001:2007