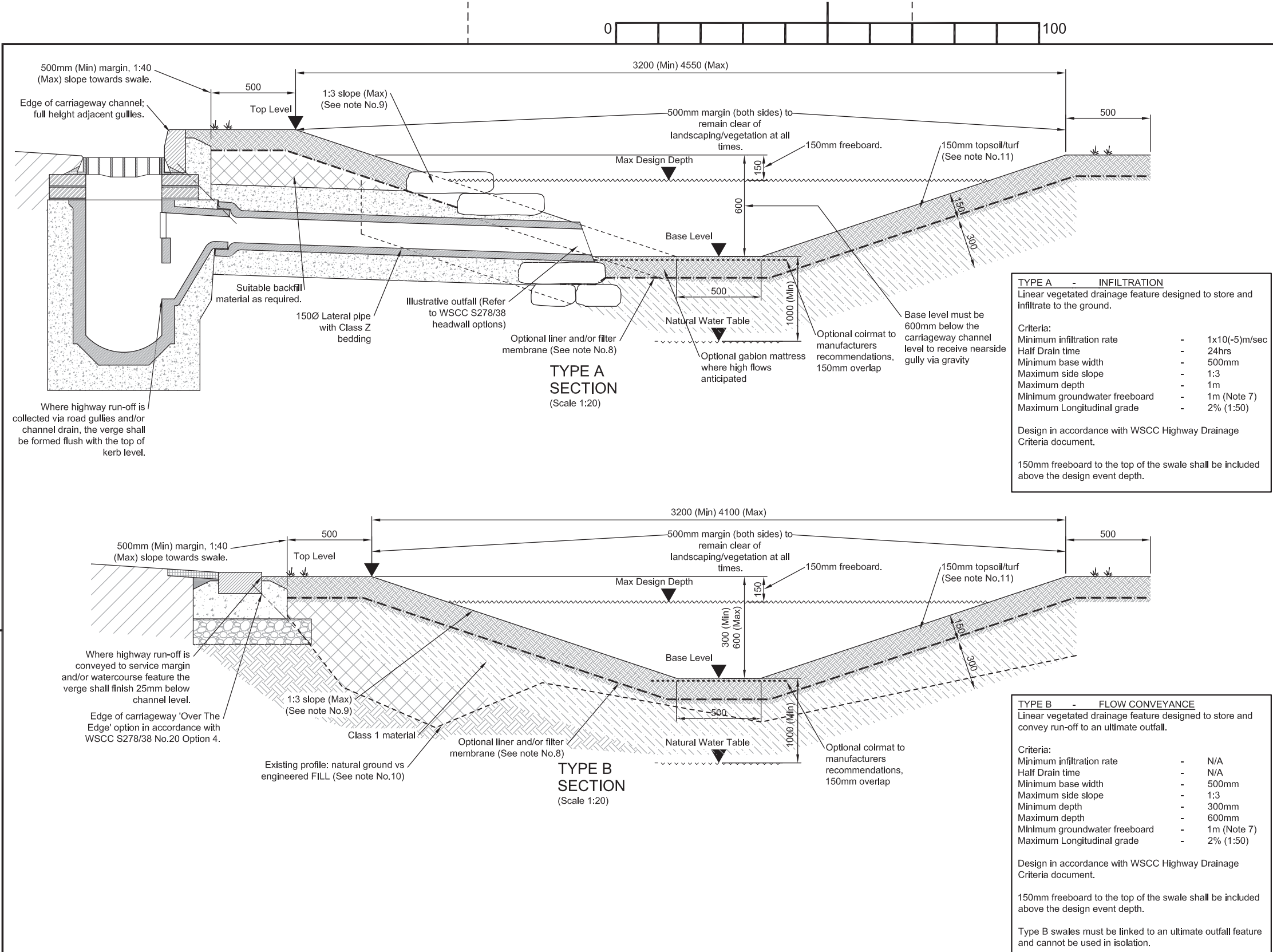




- NOTES**
- Do not scale from this drawing.
 - The design criteria shall be in accordance with CIRIA C697 and agreed in principle with WSCC as per the box note options.
 - Drainage strategy and flood risk reports shall be provided where applicable. In addition of this information the designer shall ensure compliance as follows:
 - Site topographical survey - (Outfall & Flow Conveyance)
 - Site Investigation Report - (Soil Type, Infiltration Test Results, Groundwater Levels, Contamination)
 - Design - (Area of Catchment, Design calculations in accordance with BRE365 or CIRIA 156, Design for 1:100yr Return Period and include an allowance for climate change)
 - Any design proposals impacting on or in close vicinity to an 'Ordinary Watercourse' shall be subject to the approval of West Sussex County Council Land Drainage Consent.
 - Any design proposals impacting on or in close vicinity to a 'Main River' shall be subject to the approval of The Environment Agency Land Drainage Consent.
 - Highway ditches to be sited at least 500mm clear of service margins in order to avoid obstructing the route of public utilities.
 - Ground water monitoring may be necessary to establish highest seasonal variation. Where 1m of unsaturated ground below ditch cannot be achieved, seek advice from WSCC.
 - Lining/membranes will be required if location in area of high pollution or risk of contamination.
 - Slope grade shall be a maximum 1:1 but may need to be slacker depending on the geology of the natural soil or the nature of the engineered FILL, and will be subject to determination of maintenance access and locality i.e. some area may need to be laid flatter to allow safe egress.
 - All design proposals must identify the extents of ditch to be formed in 'natural ground' or 'engineered FILL'. Where applicable geotechnical evidence may need to demonstrate method of construction, vehicular loads, angle of repose and long-term settlement.
 - Slope finish to be dense turf with a water tolerant grass specification to minimise erosion. Turf to be pinned if necessary to prevent slumping off the slope. Topsoil and seeding may be an acceptable alternative and will be dependant on slope grade, seasonal laying and when the feature will become operational post construction i.e. risk of wash out.
 - Erosion/scour protection may be necessary if the ditch intersects existing land drains or other incoming drains subject to determination of anticipated flow rates.
 - Exposed pipes to be UV stable.

A	Note 13	DJL	HM	25.04.17
Rev	Revision details	Chkd	Appd	Date
Drawn:	MJA		For comment	
Chkd:	DJL		For tender	
Appd:	DJL		For construction	
Date:	14/12/2015		As constructed	
File ref:				
IWP Ref:				

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Project Name	Section 278/38 Highway Agreement Standard Details
Drawing Title	Drainage Highway Swale

APPROVED
NOVEMBER 2017
CONTRACTOR TO ENSURE LATEST DETAILS ARE USED

Original Drawing Size :	A3	
Scale :	As Shown	Dimensions :
Drawing No.	S278/38/26	Rev
		A