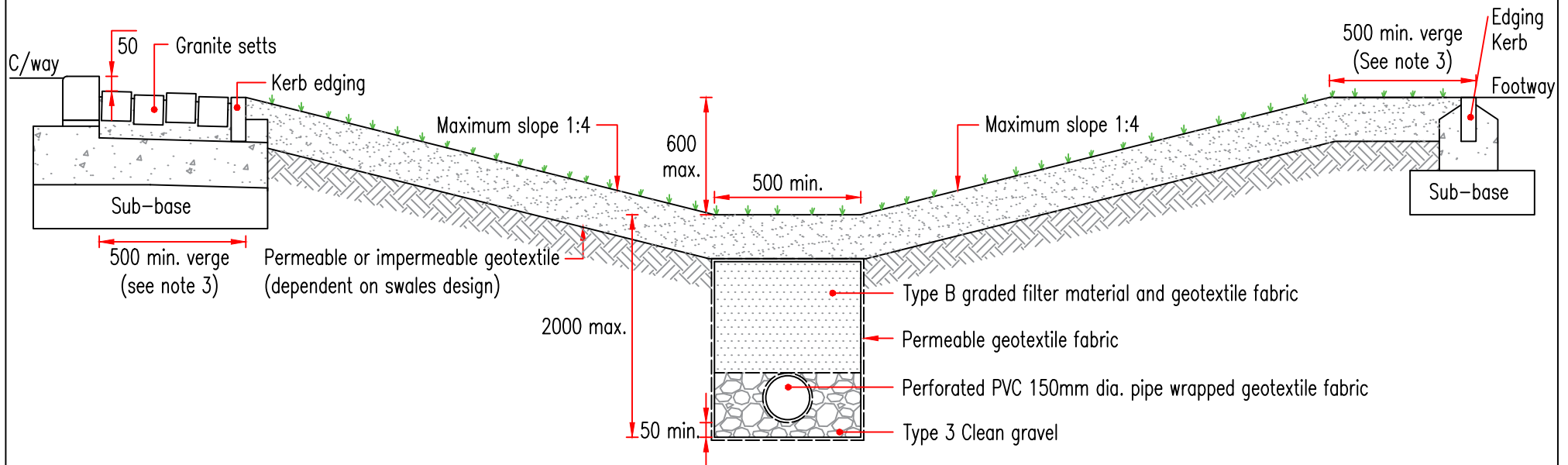


NOTES

1. Trees and hedge may be planted in slopes adjacent to swales without underdrains subject to appropriate soil properties, species selection and root protection agreed in writing with SCC – See Suffolk Design guide for tree in Highways.
2. Area adjacent to carriageway to be constructed with 100 x 100 x 100mm granite setts on a Class 3 mortar bed 50mm thick with Class 3 12mm wide mortar joints to capture silt/debris from carriageway.
3. Area to be extended to 1m to allow for street lighting.
4. Topsoil 150mm thick with turf or planting as permitted design.
5. Inspection chamber to be at designed at 70m centres and connected into surface water system.
6. Swale design to align with National & LLFA guidance: longitudinal slopes should be 0.5–6% (1:33) unless specific site/safety arrangements allow for alternative criteria. Check dams needed if gradient steeper than 0.5–6% (1:33).
7. Minimum length of swale to be 5m.
8. Perforated pipe should be elevated in infiltration structures to ensure it does not convey flow during 1:1+CC rainfall event.
9. Type B material can be replaced by bio-retention material for greater treatment of surface water but overflow will need to be designed at a level to be agreed with SCC and LLFA.
10. These swales can be used within impermeable soils.



Growth, Highways & Infrastructure
 Suffolk County Council
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 8 Russell Road
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DRAWING TITLE
 DRAINAGE AND SERVICE DUCTS
 SURFACE WATER SWALE WITH FILTER DRAIN

REV.	DESCRIPTION	CHECKED	DATE

INIT.	DATE	PROJECT TITLE	
RY	08/2024	STANDARD CONSTRUCTION DETAILS	
SH	08/2024	SCALE	DATE
RY	08/2024	N.T.S.	AUG. 2024
TK	08/2024	DRAWING No. DM-500-17	