DO NOT SCALE, IF IN DOUBT ASK. DO NOT INTERROGATE CAD BASE

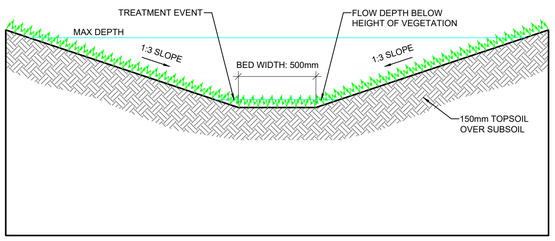
NOTES:

1. THIS DRAWING HAS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS & ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DESIGN TO BE DEVELOPED USING DESIGN GUIDANCE AS SET OUT IN CIRIA C753 SUDS MANUAL..
3. ALL SUDS COMPONENTS TO BE CONSTRUCTED/MAINTAINED IN ACCORDANCE WITH CIRIA C 768.
4. MAXIMUM SLOPE IS 1 IN 3 FOR RIPRAP EROSION PROTECTION FOR UNDERTAKING MAINTENANCE.
5. SWALE GRADIENTS CONVEYANCE & WET SWALES:

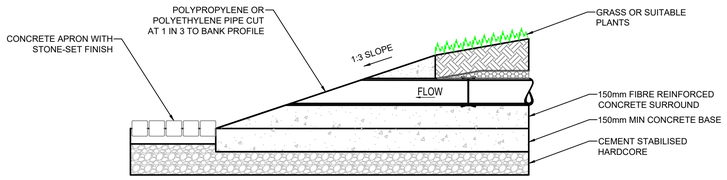
- LONGITUDINAL SLOPES SHOULD BE BETWEEN 0.5-6% (APPROX. 1 IN 17 – 1 IN 200).
- CHECK DAMS SHOULD BE INCORPORATED ON SLOPES GREATER THAN 3% (APPROX. 1 IN 33). PERMANENT REINFORCEMENT MATTING SHOULD BE CONSIDERED WHERE VELOCITIES ARE ABOVE THOSE RECOMMENDED FOR STANDARD DESIGNS.
- WHERE CONVEYANCE SWALES HAVE GRADIENTS SLACKER/FLATTER THAN APPROX. 1 IN 66 (<1.5%), WET SWALES CAN BE CONSIDERED IN THIS SCENARIO – SEE CHAPTERS 17.2 & 17.4.2 OF CIRIA C753 ALONG WITH FIGURES 17.2 AND 17.5.

6. DRY SWALES:

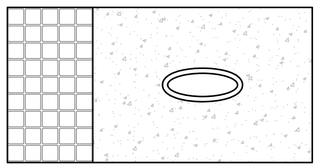
- UNDERDRAINS ARE RECOMMENDED ON CONVEYANCE SWALES OF GRADIENTS SLACKER/FLATTER THAN APPROX. 1 IN 66 (<1.5%) WHICH WOULD THEN MEAN THE COMPONENT WOULD BECOME A DRY SWALE AND WOULD REQUIRING DESIGNING ACCORDINGLY–SEE CHAPTERS 17.2 & 17.4.2 OF CIRIA C753.



CONVEYANCE SWALE DETAIL
(SCALE 1:20)



MITRED CONCRETE HEADWALL SECTION
(SCALE 1:20)



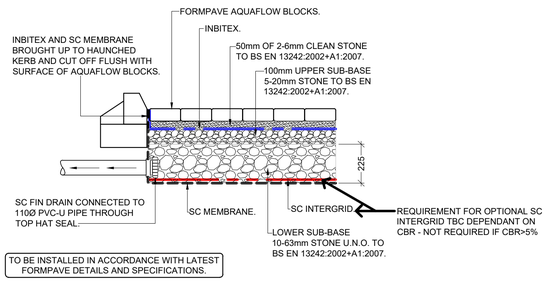
MITRED CONCRETE HEADWALL PLAN
(SCALE 1:20)

CIRIA SuDS MANUAL 2015 - TABLE 17.1: OPERATION AND MAINTENANCE REQUIREMENTS FOR SWALES

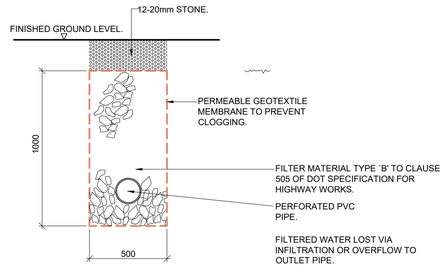
MAINTENANCE SCHEDULE	REQUIRED ACTION	TYPICAL FREQUENCY
REGULAR MAINTENANCE	REMOVE LITTER AND DEBRIS	MONTHLY (OR AS REQUIRED)
	CUT THE GRASS - TO RETAIN GRASS HEIGHT WITHIN SPECIFIED DESIGN RANGE	MONTHLY (DURING GROWING SEASON), OR AS REQUIRED
	MANAGED OTHER VEGETATION AND REMOVE NUISANCE PLANTS	MONTHLY AT START, THEN AS REQUIRED
	INSPECT INLETS, OUTLETS AND OVERFLOWS FOR BLOCKAGES, AND CLEAR IF REQUIRED	MONTHLY
	INSPECT INFILTRATION SURFACES FOR PONDING, COMPACTION, SILT ACCUMULATION, RECORD AREAS WHERE WATER IS PONDING FOR >48 HOURS	MONTHLY, OR WHEN REQUIRED
	INSPECT VEGETATION COVERAGE	MONTHLY FOR SIX MONTHS, QUARTERLY FOR 2 YEARS, THEN HALF YEARLY
	INSPECT INLETS AND FACILITY SURFACE FOR SILT ACCUMULATION, ESTABLISH APPROPRIATE SILT REMOVAL FREQUENCIES	HALF YEARLY
OCCASIONAL MAINTENANCE	RESEED AREAS OF POOR VEGETATION GROWTH, ALTER PLANT TYPES TO BETTER SUIT CONDITIONS, IF REQUIRED	AS REQUIRED OR IF BARE SOIL IS EXPOSED OVER 10% OR MORE OF THE SWALE TREATMENT AREA
REMEDIAL ACTIONS	REPAIR EROSION OR OTHER DAMAGE BY RE-TURFING OR RESEEDING	AS REQUIRED
	RELEVEL UNEVEN SURFACES AND REINSTATE DESIGN LEVELS	AS REQUIRED
	SCARIFY AND SPIKE TOPSOIL LAYER TO IMPROVE INFILTRATION PERFORMANCE, BREAK UP SILT DEPOSITS AND PREVENT COMPACTION OF THE SOIL SURFACE	AS REQUIRED
	REMOVE BUILD-UP OF SEDIMENT ON UPSTREAM GRAVEL TRENCH, FLOW SPREADER OR AT TOP OF FILTER STRIPS	AS REQUIRED
	REMOVE AND DISPOSE OF OILS OR PETROL RESIDUES USING SAFE STANDARD PRACTICES	AS REQUIRED

CDM NOTES

1. ACCESS AND EGRESS TO THE SITE FROM BUSY ROAD.
2. POTENTIAL GROUND INSTABILITY IN DEEP EXCAVATIONS
3. NO HEAVY PLANT OR STOCK PILES PERMITTED OVER OR WITHIN 3m OF THE CONSTRUCTED TANK
4. TANKS TO BE FULLY PROTECTED FROM SILT AND DEBRIS INGRESS DURING CONSTRUCTION, AND TO BE INSPECTED AND MAINTAINED DURING OPERATION AS DETAILED ABOVE
5. TANKS NOT DESIGNED TO RESIST UPLIFT UNTIL FULLY BACKFILLED
6. EXISTING SERVICES IDENTIFIED ON SITE.
7. ADEQUATE SEGREGATION HOARDING REQUIRED TO SEPARATE PUBLIC FROM THE CONSTRUCTION SITE.
8. ADEQUATE MEASURES REQUIRED TO CONTROL NOISE, DUST, FUMES & VIBRATION.



TANKED SYSTEM SECTION:
PARKING AREAS SUBJECT TO
TRAFFICKING BY CARS AND VANS ONLY.
SCALE 1:20



TYPICAL FILTER DRAIN DETAIL.
SCALE 1:20

REV.	DATE.	REVISION.	BY.	CHK
–		FIRST ISSUE.	PH	NB
-				

Welcome Break

Proposed Drive Through Restaurants
Kates Cabin Services, Cheserton, PE7 3UJ

External Works Details

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TENDER

DATE CREATED:	SCALE:	
Oct. '24'	As Stated	@ A1

CONTRACT No:	DRAWING No:	REV:
P15680	506	-