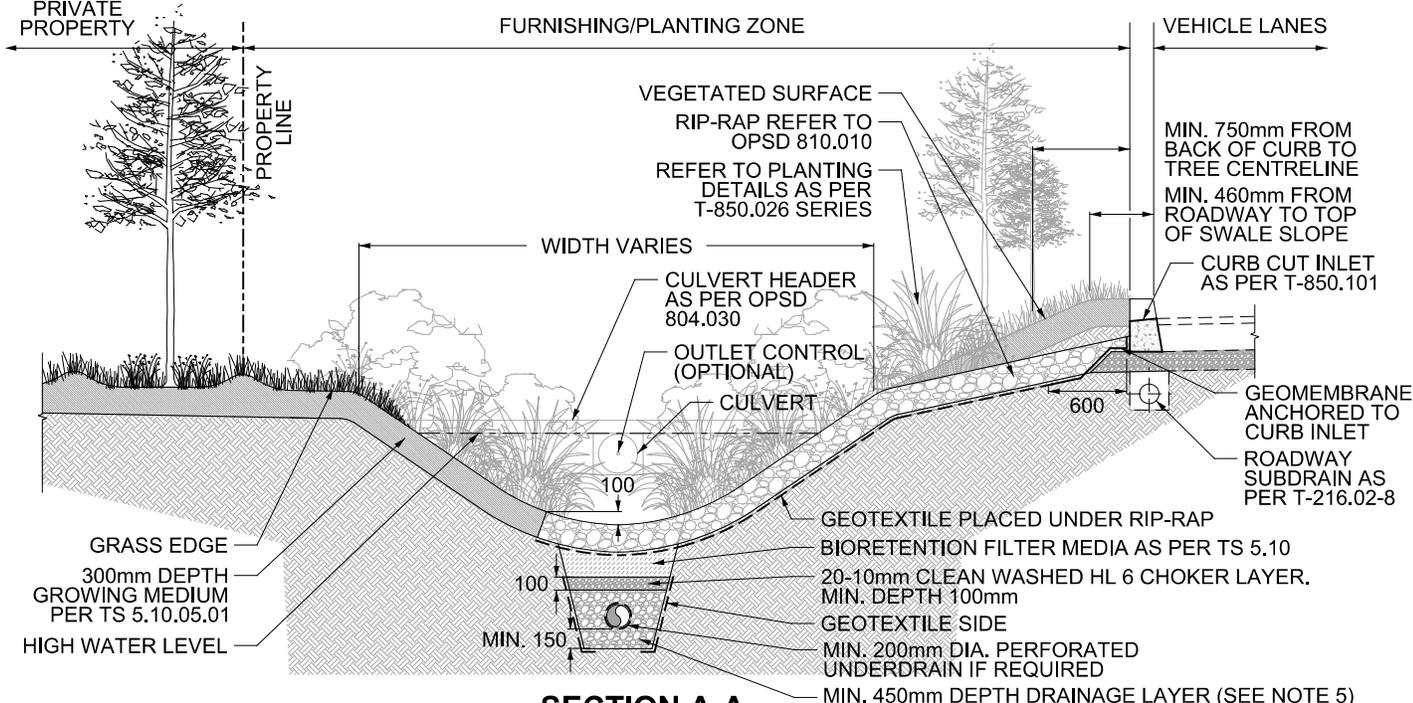


PLAN



SECTION A-A

- NOTES:**
1. BIOSWALE WIDTH AND DEPTH VARIES BASED ON DESIRED STORAGE CAPACITY. MAXIMUM PONDING DEPTH FROM SWALE SURFACE TO TOP OF DRIVEWAY CULVERTS TO BE 300mm. MINIMUM LENGTH BETWEEN DRIVEWAYS IS 5m.
 2. SIDE SLOPES OF SWALE SURFACE 3H:1V MAXIMUM, 4H:1V PREFERRED.
 3. LONGITUDINAL SLOPE DESIGNED TO ALLOW A MAXIMUM VELOCITY OF 1.5m/s, BEYOND WHICH SPECIFIC EROSION CONTROL MEASURES ARE REQUIRED (CHECK DAMS AS PER T-850.031, T-850.032, T-850.033 AND OPSD 219.210). SLOPE RANGE FROM 0.5% TO 4%.
 4. CLEANOUTS TO BE CONNECTED TO PERFORATED UNDERDRAIN WITH 30 OR 45 DEGREE ELBOW ORIENTED TOWARDS THE MONITORING WELL. CLEANOUTS TO BE PROVIDED AT MAX. 30m SPACING. UNDERDRAIN TO BE MIN. 200mm DIA. HDPE OR EQUIVALENT. SMOOTH INTERIOR WALLED PERFORATED PIPE. PERFORATIONS TO BE ON THE BOTTOM SIDE OF THE PIPE. ANY PERFORATIONS ON THE TOP SIDE OF THE UNDERDRAIN PIPE TO BE TAPED OFF WITH MEMBRANE STRIPS.
 5. GRAVEL USED FOR DRAINAGE LAYER TO BE 20 TO 50mm, UNIFORMLY-GRADED, CLEAN (MAXIMUM WASH LOSS OF 0.5%), CRUSHED ANGULAR STONE THAT HAS A POROSITY OF 0.4.

All dimensions are in millimetres unless otherwise shown.

	ENGINEERING & CONSTRUCTION SERVICES STANDARD DRAWING		REV 0	SEP 2021
	<p align="center">BIOSWALE IN SOFTSCAPE</p> <p align="center">LAYOUT AND SECTION</p>		T-850.111	
			NTS	SHEET 1