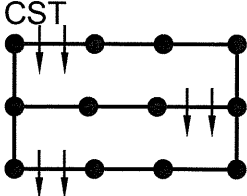
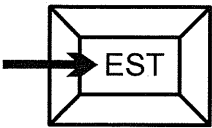


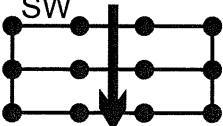



TEMPORARY (CONSTRUCTION PHASE) SEDIMENT CONTROLS PLACED AT THE ENTRANCE TO CULVERTS AND OPEN STORMWATER PIPES

TECHNIQUE	CODE	SYMBOL	TYPICAL USE
COARSE SEDIMENT TRAP	CST		- TYPE 3 SEDIMENT TRAP
			- BEST USED ON SANDY SOILS
			- ONLY SUITABLE IF THE OUTLET IS ELEVATED AT LAST 300mm ABOVE THE OUTLET CHANNEL
EXCAVATED SEDIMENT TRAP	EST		- SUPPLEMENTARY SEDIMENT TRAP
			- BEST USED WHEN IT IS NECESSARY TO AVOID BACKWATER PONDING AND THUS SEDIMENTATION WITHIN THE STORMWATER PIPE
			- SAFETY ISSUES MAY REQUIRE THE EXCAVATED PIT TO BE SURROUNDED BY APPROPRIATE SAFETY FENCING
FILTER TUBE DAM	FTD		- TYPE 2 OR 3 SEDIMENT TRAP
			- ONLY SUITABLE IF THE OUTLET IS ELEVATED AT LEAST 300 TO 500mm ABOVE THE OUTLET CHANNEL
			- IT MAY NOT BE PRACTICAL TO INCORPORATE ENOUGH FILTER TUBES TO CATER FOR THE EXPECTED DESIGN FLOW RATE. IN SUCH CASES THE SEDIMENT TRAP MAY ONLY BE CONSIDERED A TYPE 3 SYSTEM
			- A SUPPLEMENTARY (COARSE) SEDIMENT TRAP MAY BE REQUIRED UPSTREAM OF THE FILTER TUBES TO PREVENT SEDIMENT BLOCKAGE OF THE FILTER TUBES
MODULAR SEDIMENT TRAP	MST		- TYPE 3 SEDIMENT TRAP
			- MODERN REPLACEMENT FOR STRAW BALE BARRIERS
			- CAPABILITY OF ACCEPTING CONCENTRATED FLOWS DEPENDS ON CONSTRUCTION TECHNIQUE
SEDIMENT WEIR	SW		- TYPE 2 SEDIMENT TRAP
			- BEST USED WHEN HIGH FLOW RATES ARE EXPECTED
			- FILTER TUBES CAN BE INCORPORATED INTO THE SEDIMENT WEIR TO IMPROVE THE TREATMENT OF LOW-FLOWS
			- GABION WALLS CAN BE USED AS AN ALTERNATIVE TO A SEDIMENT WEIR
STRAW BALE BARRIER	SBB		- TYPE 3 SEDIMENT TRAP
			- ONLY SUITABLE WHEN POOR SITE ACCESS PREVENTS THE USE OF OTHER, MORE SUITABLE, SEDIMENT TRAPS

NOTE : EXTREME CARE MUST BE TAKEN WHEN SELECTING THE PREFERRED TECHNIQUE AS NOT ALL OF THE TECHNIQUES ARE SUITABLE IN ALL CIRCUMSTANCES.




WHEN LOCATING A SEDIMENT TRAP AT THE OUTLET OF A STORMWATER PIPE, THE SEDIMENT TRAP SHOULD IDEALLY BE LOCATED DOWNSTREAM OF THE INFLUENCE OF OUTLET 'JETTING' (ie 10-13 x PIPE DIAMETER). AS A MINIMUM, THE SEDIMENT TRAP SHOULD BE LOCATED AT LEAST 5 x PIPE DIAMETER.

FILE NAME DESIGNDOCUMENTS\SESC STD DRAWINGS\...

A	8/8/11	ISSUE FOR CONSTRUCTION	-
NO	DATE	DESCRIPTION	APPVD

The content of this standard drawing has been extracted from the "Erosion & Sediment Control - A Field Guide for Construction Site Managers" (Feb 2010)

AMENDMENTS AND REVISIONS

DRAWN F. KROLL	SIGNED 	DATE 8/8/11	DIRECTOR ENGINEERING SERVICES
DESIGNED PDC	SIGNED PDC	DATE 22/12/11	 STUART HOLLEY RPEQ 8940
CHECKED	SIGNED	DATE	
MANAGER TECHNICAL SERVICES  G. HAWES RPEQ 5693			DATE 21.12.11



Mackay

REGIONAL COUNCIL

WORKS JOB No. -	DRAWING No. A4-00338	AMEND. A
<p style="font-size: large; margin: 0;">STANDARD</p> <p style="font-size: large; margin: 0;">SEDIMENT CONTROL</p> <p style="font-size: large; margin: 0;">FOR STORMWATER PIPE OUTLETS</p>		