


SEDIMENT CONTROL MEASURES				STANDARD DRAWING REFERENCE
<b>SEDIMENT FENCE (SF) - SUITABLE FOR 'SHEET' FLOW CONDITIONS</b>				
14.6.1	SEDIMENT FENCE - WOVEN FABRIC - WOVEN FABRIC SEDIMENT FENCES ARE TYPE 3 SEDIMENT TRAPS, USED FOR SHEET FLOW CONDITIONS ONLY. - WOVEN FABRICS ARE GENERALLY SUITABLE FOR ALL SOIL TYPES, BUT SEDIMENT CAPTURE IS LIMITED TO THE COARSER SEDIMENT FRACTION. - THE TRADITIONAL WOVEN FABRICS ARE GENERALLY PREFERRED ON LONG-TERM CONSTRUCTION SITES THAT ARE LIKELY TO EXPERIENCE SEVERAL STORM EVENTS.	A3-006804 to A3-006085		
14.6.2	SEDIMENT FENCE - COMPOSITE FABRIC - COMPOSITE FABRIC SEDIMENT FENCES ARE TYPE 3 SEDIMENT TRAPS. - NON-WOVEN, COMPOSITE FABRICS ARE GENERALLY SUITABLE FOR ALL SOIL TYPES. IT IS GENERALLY CONSIDERED THAT THESE COMPOSITE FABRICS HAVE A GREATER POTENTIAL TO CAPTURE THE FINER SEDIMENT PARTICLES. - NON-WOVEN FABRICS ARE GENERALLY PREFERRED ON SHORT DURATION CONSTRUCTION SITES AND IN LOCATIONS WHERE THE SEDIMENT FENCE REPRESENTS THE LAST LINE OF DEFENCE. - THE NON-WOVEN (GREEN) FACE MUST POINT UP-SLOPE.	A3-006804 to A3-006085		
14.6.3	SUPPORTS AND PLACEMENT - SUPPORT POSTS MUST BE PLACED AT A MAXIMUM 2 METRE SPACINGS UNLESS THE FENCE HAS A TOP WIRE (ANCHORED AT 1 METRE SPACINGS), OR A WIRE MESH BACKING, IN WHICH CASE A 3 METRE SPACING OR SUPPORT POST IS ALLOWED. - A SPILL-THROUGH WEIR CAN BE USED TO REDUCE HYDRAULIC PRESSURES IN LARGE CATCHMENTS. REFER STANDARD DRAWING. - SEDIMENT FENCES ARE IDEALLY INSTALLED ALONG THE CONTOUR. - SEDIMENT FENCES MUST INCORPORATE REGULAR 'RETURNS', GENERALLY AT A MAXIMUM 20 METRE SPACING, BUT CAN BE LESS AS THE SLOPE ALONG THE FENCE INCREASES. REFER STANDARD DRAWING. - DO NOT CONSTRUCT SEDIMENT FENCES FROM 'SHADE CLOTH' OR OPEN WEAVE FABRICS. - SEDIMENT FENCES SHOULD ALSO NOT BE CONSTRUCTED FROM FILTER CLOTH. THE ONLY EXCEPTION BEING THE FORMATION OF A FILTER FENCE DOWN-SLOPE OF A STOCKPILE OR AS USED IN ASSOCIATION WITH MATERIAL DE-WATERING. - THE ENDS OF A SEDIMENT FENCE MUST BE TURNED UP THE SLOPE (A 'RETURN') TO PREVENT WATER READILY PASSING AROUND THE ENDS OF THE FENCE. REFER STANDARD DRAWING. - THE BOTTOM OF THE FABRIC MUST BE ANCHORED TO PREVENT WASH-OUTS. REFER STANDARD DRAWING. - THE BOTTOM 300mm OF FABRIC MUST BE SUITABLY ANCHORED EITHER IN A 200mm DEEP TRENCH, OR UNDER CLEAN SAND OR AGGREGATE, BUT NOT ROCKS. REFER STANDARD DRAWING. - THE SUPPORT POSTS MUST BE PLACED DOWN-SLOPE OF THE FABRIC.	A3-006804 to A3-006085		
<b>KERB INLET SEDIMENT CONTROLS</b>				
14.7.1	SELECTION CRITERIA FOR THE USE OF KERB INLET SEDIMENT TRAPS: - SAFETY FIRST - DO NOT USE ANY SEDIMENT CONTROL SYSTEM IF THAT SYSTEM REPRESENTS A SAFETY RISK TO PERSONS OR PROPERTY. IN OPEN PUBLIC ROADWAYS, CONSIDER THE USE OF COMMERCIAL GULLY BAGS TO COLLECT SEDIMENT WITHIN THE GULLY. SEDIMENT TRAPS THAT EXTEND INTO THE TRAFFICABLE LANE MAY ALSO REPRESENT A HAZARD TO PASSING MOTOR VEHICLES. - FLOODING RISK - ANY ADOPTED SEDIMENT CONTROL SYSTEM MUST NOT RESULT IN FLOODING OF NEIGHBOURING PROPERTIES. - TYPE OF KERB INLET - THE CHOICE OF SEDIMENT CONTROL SYSTEM DEPENDS ON THE TYPE OF KERB INLET. KERB INLETS LOCATED ON THE SLOPE OF A ROADWAY (ON-GRADE INLETS) MAY INCORPORATE GULLY BAGS OR 'DAM' TYPE SEDIMENT TRAPS (SANDBAGS OR FILTER SOCKS) PLACED UP-SLOPE OF THE INLET. KERB INLETS LOCATED AT DEPRESSIONS IN A ROADWAY (SAG INLETS) MAY INCORPORATE GULLY BAGS OR 'BARRIER' TYPE SEDIMENT TRAPS (FILTER SOCKS) PLACED AROUND THE INLET. - WARNING - A SEDIMENT TRAP MUST NOT SURROUND OR BLOCK AN 'ON-GRADE' KERB INLET.	A3-006811, A3-006813, A3-006816 & A3-006819		
14.7.2	GULLY BAG (GB) - ARE SUPPLEMENTARY SEDIMENT TRAPS. - COMMERCIAL GULLY BAGS ARE GENERALLY CONSIDERED TO PERFORM BETTER THAN SEDIMENT TRAPS PLACED ON THE ROAD SURFACE. - TYPICALLY USE WHEN IT IS CONSIDERED UNSAFE TO CAUSE PONDING OR SEDIMENT DEPOSITION ON THE ROADWAY. - INCLUDES THE USE OF FLEXIBLE FILTER BAGS, AND SOLID FILTER BOXES LINED WITH FILTER CLOTH.	A3-006811, A3-006813, A3-006816 & A3-006819		
14.7.3	ON-GRADE KERB INLET SEDIMENT TRAP (OG) - ARE SUPPLEMENTARY SEDIMENT TRAPS. - ONE OR MORE DAM-TYPE SEDIMENT TRAPS ARE PLACED UP-SLOPE OF ON-GRADE KERB INLETS (IE. NOT AT SAG POINTS ON A ROAD). - REFER STANDARD DRAWING	A3-006811, A3-006813, A3-006816 & A3-006819		
14.7.4	FILTER SOCK SEDIMENT TRAP - ARE SUPPLEMENTARY SEDIMENT TRAPS. - ON-GRADE' INLETS REQUIRE A DIFFERENT SEDIMENT CONTROL SYSTEM TO 'SAG' INLETS. - A SERIES OF SEDIMENT TRAPS MAY BE REQUIRED TO ACHIEVE OPTIMUM PERFORMANCE. - MAY BE USED TO COLLECT CEMENT RUNOFF DURING THE PREPARATION OF EXPOSED AGGREGATE SURFACES.	A3-006811, A3-006813, A3-006816 & A3-006819		
14.7.5	SAG INLET SEDIMENT TRAP (SA) - ARE SUPPLEMENTARY SEDIMENT TRAPS. - USED AS A MINOR SEDIMENT TRAP CONSTRUCTED AROUND KERB INLETS LOCATED AT SAG POINTS ALONG A ROADWAY. - AS A GENERAL RULE, THE FILTER SOCK MUST NOT BE ALLOWED TO FULLY BLOCK THE KERB INLET. EXCEPTIONS APPLY ONLY WHEN THERE IS NOT RISK OF CAUSING FLOODING OF ADJACENT PROPERTIES, AND WHERE THERE IS A SUITABLE FLOW BYPASS SYSTEM (IE. A STABLE OVERLAND FLOW PATH). - ALTERNATIVE DESIGNS INCLUDE FILTER SOCKS AND BLOCK AND AGGREGATE SYSTEMS. REFER STANDARD DRAWING.	A3-006811, A3-006813, A3-006816 & A3-006819		
14.7.6	INSUFFICIENT CONTROLS - A SINGLE SANDBAG IS GENERALLY INSUFFICIENT TO PROVIDE ADEQUATE SEDIMENT CONTROL. - TO BE EFFECTIVE, A SEDIMENT TRAP MUST BE ABLE TO TRAP AND RETAIN SEDIMENT, NOT JUST DIVERT THE STORMWATER AND SEDIMENT DOWN THE ROADWAY. - SEDIMENT TRAPS MUST NOT BE PLACED IN FRONT OF 'ON-GRADE' KERB INLETS SUCH THAT STORMWATER WILL BE FORCED TO BYPASS THE INLET AND CONTINUE TO FLOW DOWN THE ROADWAY. EXCEPTIONS APPLY ONLY WHEN ALL FLOW BYPASSING THE INLET IS DIRECTED TO A SUITABLE DOWN-SLOPE SEDIMENT TRAP, AND WHERE THERE IS A SUITABLE FLOW BYPASS SYSTEM AT THE ROAD SAG, SUCH AS A STABLE OVERLAND FLOW PATH.	A3-006811, A3-006813, A3-006816 & A3-006819		
<b>FIELD (DROP) INLET SEDIMENT CONTROLS</b>				

SEDIMENT CONTROL MEASURES				STANDARD DRAWING REFERENCE
14.8.1	SELECTION CRITERIA FOR THE USE OF FIELD INLET SEDIMENT TRAPS: - SAFETY FIRST - DO NOT USE ANY SEDIMENT CONTROL SYSTEM IF THAT SYSTEM REPRESENTS A SAFETY RISK TO PERSONS OR PROPERTY. - FLOODING RISK - ANY ADOPTED SEDIMENT CONTROL SYSTEM MUST NOT RESULT IN FLOODING OF NEIGHBOURING PROPERTIES. A SPILL-THROUGH WEIR, OR THE LIKE, MAY NEED TO BE INCORPORATED INTO THE SEDIMENT CONTROL STRUCTURE TO CONTROL THE DEPTH AND EXTENT OF PONDING. - REFER STANDARD DRAWING FOR PREFERRED SEDIMENT CONTROL TECHNIQUES FOR VARIOUS CATCHMENT CONDITIONS.	A3-006806 to A3-006810, A3-006812, A3-006814, A3-006815, A3-006817 to A3-006818 & A4-00335		
14.8.2	FABRIC WRAP INLET PROTECTION (FW) - A TYPE 3 SEDIMENT TRAP. - SUITABLE FOR VERY SMALL CATCHMENT AREAS. - IT IS MOST COMMONLY USED ON BUILDING SITES. - THE FORMATION OF THE EXCAVATED PIT IS CRITICAL. REFER STANDARD DRAWING.	A3-006806 to A3-006810, A3-006812, A3-006814, A3-006815, A3-006817 to A3-006818 & A4-00335		
14.8.3	FILTER SOCK DROP INLET PROTECTION (FS) - A TYPE 3 SEDIMENT TRAP. - FILTER SOCKS (INCLUDING STRAW OR COMPOST-FILLED FIBRE ROLLS, AND COMPOST BERMS) ARE ONLY SUITABLE FOR SMALL CATCHMENTS. - FIBRE (STRAW) FILLED SOCKS ARE MOSTLY SUITED TO SANDY SOILS. - COMPOST BERMS OR COMPOST-FILLED SOCKS WORK BEST IN CLAYEY SOIL AREAS. - COMPOST FILLED SOCKS CAN ABSORB SOME DISSOLVED AND FINE PARTICULATE MATTER.	A3-006806 to A3-006810, A3-006812, A3-006814, A3-006815, A3-006817 to A3-006818 & A4-00335		
14.8.4	EXCAVATED DROP INLET PROTECTION (EX) - A TYPE 3 SEDIMENT TRAP. - EXCAVATED DROP INLET PROTECTION IS USED IN LOCATIONS WHERE WATER PONDING AROUND THE STORMWATER INLET IS NOT ALLOWED TO REACH A LEVEL SIGNIFICANTLY HIGHER THAN THE EXISTING GROUND LEVEL. - SAFETY ISSUES MAY REQUIRE THE EXCAVATED PIT TO BE SURROUNDED BY APPROPRIATE SAFETY FENCING. - REFER STANDARD DRAWING FOR A TYPICAL SECTION.	A3-006806 to A3-006810, A3-006812, A3-006814, A3-006815, A3-006817 to A3-006818 & A4-00335		
14.8.5	FABRIC DROP INLET PROTECTION (FD) - A TYPE 3 SEDIMENT TRAP. - BEST USED ON SANDY SOILS. - SUITABLE FOR RELATIVELY SMALL CATCHMENT AREAS. - MAXIMUM SPACING FOR SUPPORT POSTS IS 1 METRE (REFER STANDARD DRAWING). - A SPILL-THROUGH WEIR NEEDS TO BE INCORPORATED INTO ONE SIDE OF THE SEDIMENT TRAP TO CONTROL THE DEPTH OF PONDING (REFER STANDARD DRAWING).	A3-006806 to A3-006810, A3-006812, A3-006814, A3-006815, A3-006817 to A3-006818 & A4-00335		
14.8.6	BLOCK & AGGREGATE (BA) - A TYPE 2 OR 3 SEDIMENT TRAP. - SUITABLE FOR SMALL TO MEDIUM CATCHMENTS. - IN CLAYEY SOILS, FILTER CLOTH IS PLACED BETWEEN THE AGGREGATE AND BLOCKS TO IMPROVE THE REMOVAL OF FINE SEDIMENTS. - THE DEPTH OF PONDING UPSTREAM OF THE FIELD INLET IS GOVERNED BY THE HEIGHT OF THE BLOCKS. - REFER THE STANDARD DRAWING FOR TWO TYPES OF BLOCK ARRANGEMENTS.	A3-006806 to A3-006810, A3-006812, A3-006814, A3-006815, A3-006817 to A3-006818 & A4-00335		
14.8.7	MESH & AGGREGATE (MA) - A TYPE 2 OR 3 SEDIMENT TRAP. - SUITABLE FOR SMALL TO MEDIUM CATCHMENTS. - THE DEPTH OF PONDING UPSTREAM OF THE FIELD INLET IS GOVERNED BY THE HEIGHT OF THE AGGREGATE FILTER PLACED AROUND THE WIRE MESH. - IN CLAYEY SOILS, FILTER CLOTH MAY BE PLACED OVER THE AGGREGATE TO IMPROVE THE REMOVAL OF FINE SEDIMENTS (AS PER ROCK FILTER DAMS). - REFER STANDARD DRAWING FOR GENERAL ARRANGEMENT AND TYPE CROSS SECTION.	A3-006806 to A3-006810, A3-006812, A3-006814, A3-006815, A3-006817 to A3-006818 & A4-00335		
14.8.8	ROCK & AGGREGATE (RA) - A TYPE 2 OR 3 SEDIMENT TRAP. - BEST USED IN SANDY SOIL AREAS. - MOST COMMONLY USED IN HIGHWAY CONSTRUCTION SUCH AS A DUEL-CARRIAGE ROAD WITH THE DROP INLET LOCATED WITHIN THE MEDIAN STRIP. - THE CRITICAL DESIGN PARAMETER IS THE SURFACE AREA OF THE SETTLING POND THAT FORMS AROUND THE PROTECTED DROP INLET. DESIGNS SHOULD AIM TO MAXIMISE THE SURFACE AREA OF THE SURROUNDING SETTLING POND. - FLOW DIVERSION BANKS MAY NEED TO BE INCORPORATED INTO ANY OF THE DROP INLET PROTECTION SYSTEMS TO CONTROL THE DEPTH AND EXTENT OF PONDING. - PONDED WATER IS NOT TO BE ALLOWED TO SPILL ONTO TRAFFICABLE ROADWAYS.	A3-006806 to A3-006810, A3-006812, A3-006814, A3-006815, A3-006817 to A3-006818 & A4-00335		
<b>SEDIMENT CONTROL TECHNIQUES SUITABLE FOR 'MINOR' CONCENTRATED FLOWS</b>				
14.9.1	SELECTION OF SEDIMENT CONTROL TECHNIQUES - REFER STANDARD DRAWING FOR THE SELECTION OF SEDIMENT CONTROL TECHNIQUES FOR MINOR CONCENTRATED FLOWS.	A3-006783 to A3-006795 & A4-00336		
14.9.2	CHECK DAM SEDIMENT TRAP (CDT) - A SUPPLEMENTARY SEDIMENT TRAP. - CHECK DAMS CAN BE USED AS MINOR SEDIMENT TRAPS TO SUPPLEMENT THE SITE'S PRIMARY SEDIMENT CONTROL SYSTEM. - TYPICALLY USED IN TABLE DRAINS DURING THE REVEGETATION PHASE. - CHECK DAMS MAY BE CONSTRUCTED FROM ROCK, SAND BAGS, OR COMPOST-FILLED SOCKS. - COMPOST-FILLED SOCKS CAN ABSORB SOME DISSOLVED AND FINE PARTICULATE MATTER.	A3-006783 to A3-006795 & A4-00336		
14.9.3	COARSE SEDIMENT TRAP (CST) - A TYPE 3 SEDIMENT TRAP. - BEST USED ON SANDY SOILS. - COMMONLY USED AS SEDIMENT TRAP AT THE LOW POINT OF A SEDIMENT FENCE PLACED ON A MEDIUM-SIZED CATCHMENT, AND ON CERTAIN STORMWATER OUTLETS. - CAN BE USED AS AN ALTERNATIVE TO A SPILL-THROUGH WEIR ON A SEDIMENT FENCE PLACED ON A MEDIUM-SIZED CATCHMENT.	A3-006783 to A3-006795 & A4-00336		
14.9.4	FILTER TUBE DAM (FTD) - A TYPE 2 SEDIMENT TRAP. - TYPICALLY USED TO TRAP SEDIMENT IN MINOR DRAINAGE LINES. - NORMALLY PLACED DOWN-SLOPE OF A TYPE 3 SEDIMENT TRAP TO REDUCE THE DEPOSITION OF COARSE SEDIMENT AT THE FILTER TUBE INLETS. - FILTER TUBES CAN BE INTEGRATED INTO A VARIETY OF TYPE 2 AND TYPE 3 SEDIMENT TRAPS (INCLUDING ROCK CHECK DAMS, U-SHAPED SEDIMENT TRAPS, ROCK FILTER DAMS, AND SEDIMENT WEIRS) TO IMPROVE THEIR EFFICIENCY DURING MINOR FLOWS.	A3-006783 to A3-006795 & A4-00336		
14.9.5	MODULAR SEDIMENT TRAP (MST) - A TYPE 3 SEDIMENT TRAP. - MODULAR SYSTEMS ARE THE MODERN REPLACEMENT FOR STRAW BALE BARRIERS. - THE FILTRATION SYSTEM IS ONLY CAPABLE OF TREATING MINOR FLOWS, BUT THE UNITS CAN BE STRUCTURALLY SOUND IN HIGHER FLOWS IF ADEQUATELY ANCHORED IN PLACE. - FILTER TUBES CAN BE INCORPORATED INTO THE PLASTIC BLOCKS TO INCREASE THE ALLOWABLE TREATMENT FLOW RATE.	A3-006783 to A3-006795 & A4-00336		

SEDIMENT CONTROL MEASURES				STANDARD DRAWING REFERENCE
14.9.6	U-SHAPED SEDIMENT TRAP (UST) - A TYPE 3 SEDIMENT TRAP. - COMMONLY USED AS A COARSE SEDIMENT TRAP WITHIN TABLE DRAINS HAVING A MEDIUM TO STEEP GRADIENT. - THE SEDIMENT FENCE MUST BE CONSTRUCTED IN A U-SHAPE, NOT FORMED IN A GRADUAL ARC, OR PLACED STRAIGHT ACROSS THE DRAIN. - IN DRAINS, WITH A MEDIUM GRADIENT, A SPILL-THROUGH WEIR IS USUALLY REQUIRED TO PREVENT FLOW BYPASSING. SPILL-THROUGH WEIRS ARE ONLY EFFECTIVE IF THE WEIR CREST IS AT LEAST 300mm HIGH, AND THE CREST IS BELOW THE GROUND LEVEL AT THE END OF THE WING WALLS. - THE WIDTH OF THE SEDIMENT TRAP IS USUALLY DETERMINED BY THE WIDTH OF AN EXCAVATOR OR BACKHOE BUCKET USED FOR SEDIMENT REMOVAL. - FILTER TUBES CAN BE INTEGRATED INTO A U-SHAPED SEDIMENT TRAP TO INCREASE THE EFFECTIVE HYDRAULIC CAPACITY AND TO IMPROVE THE TREATMENT OF LOW FLOWS. - ON LOW-GRADIENT DRAINS, PREFERENCE MAY NEED TO BE GIVEN TO A CHECK DAM SEDIMENT TRAP.	A3-006783 to A3-006795 & A4-00336		
<b>SEDIMENT CONTROL SUITABLE FOR PIPE AND CULVERT INLETS</b>				
14.10.1	TEMPORARY SEDIMENT CONTROLS - REFER STANDARD DRAWING FOR TEMPORARY (CONSTRUCTION PHASE) SEDIMENT CONTROLS PLACED AT THE ENTRANCE TO CULVERTS AND OPEN STORMWATER PIPES.	A3-006791 & A4-00337		
<b>SEDIMENT CONTROL SUITABLE FOR STORMWATER OUTLETS</b>				
14.11.1	SEDIMENT CONTROLS - REFER STANDARD DRAWING FOR TEMPORARY SEDIMENT CONTROL TECHNIQUES THAT MAY BE SUITABLE FOR PLACEMENT AT THE OUTLET OF STORMWATER PIPES. 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 DIAMETERS DOWNSTREAM OF THE OUTLET). AS A MINIMUM, THE SEDIMENT TRAP SHOULD BE LOCATED AT LEAST 5 PIPE DIAMETERS DOWNSTREAM OF THE OUTLET. ALL SEDIMENT TRAPS MUST BE LOCATED TOTALLY WITHIN THE RELEVANT PROPERTY BOUNDARIES UNLESS OTHERWISE APPROVED IN WRITING BY THE APPROPRIATE REGULATORY AUTHORITY AND LANDOWNER.	A3-006783 to A3-006789, A3-006790 & A4-00338		
14.11.2	COARSE SEDIMENT TRAP (CST) - SUITABLE ONLY FOR OUTLETS WITH A MINIMUM OUTLET FALL OF 300mm. - REFER STANDARD DRAWING FOR TYPICAL ARRANGEMENT.	A3-006783 to A3-006789, A3-006790 & A4-00338		
14.11.3	EXCAVATED SEDIMENT TRAP (ECT) - SUITABLE FOR STORMWATER OUTLETS WITH LITTLE OR NO FALL AT THE OUTLET. - REFER STANDARD DRAWING FOR TYPICAL SECTION DETAIL.	A3-006783 to A3-006789, A3-006790 & A4-00338		
14.11.4	STRAW BALE BARRIER (SBB) - SUITABLE ONLY FOR OUTLETS WITH SIGNIFICANT OUTLET FALL. - STRAW BALE BARRIERS CAN BE EASILY DAMAGED BY HIGH-VELOCITY OUTFLOWS. - ALTERNATIVES INCLUDE FILTER TUBE DAMS (REFER STANDARD DRAWING)	A3-006783 to A3-006789, A3-006790 & A4-00338		
14.11.5	LOW-FALL OUTLETS - IF THE STORMWATER PIPE DISCHARGES INTO AN OUTLET CHANNEL WITH LITTLE OR NO FALL, THEN ANY SEDIMENT TRAP WITH A CREST LEVEL ABOVE THE PIPE INVERT WILL POND WATER, AND THEREFORE SETTLE SEDIMENT, WITHIN THE PIPE. - SUCH SEDIMENT TRAPS CAN BE VERY DIFFICULT TO CLEAN-OUT WITHOUT RELEASING SIGNIFICANT QUANTITIES OF SEDIMENT DOWNSTREAM. - AN EXCAVATED SEDIMENT TRAP IS NORMALLY USED FOR SUCH LOW-FALL OUTLETS.	A3-006783 to A3-006789, A3-006790 & A4-00338		
<b>ROCK FILTER DAMS (RFD) - TYPE 2 SEDIMENT TRAP FOR CONCENTRATED FLOWS</b>				
14.12.1	SELECTION CRITERIA FOR THE USE OF SEDIMENT TRAPS WITHIN DRAINAGE CHANNELS: - SAFETY FIRST - DO NOT USE ANY SEDIMENT CONTROL SYSTEM IF THAT SYSTEM REPRESENTS A SAFETY RISK TO PERSONS OR PROPERTY. - FLOODING RISK - ANY ADOPTED SEDIMENT CONTROL SYSTEM MUST NOT RESULT IN FLOODING OF NEIGHBOURING PROPERTIES. A FLOW BYPASS SYSTEM MAY NEED TO BE INCORPORATED INTO THE SEDIMENT TRAP TO CONTROL THE DEPTH AND EXTENT OF PONDING. - SOIL TYPE - AGGREGATE-BASE FILTRATION SYSTEMS ARE BEST USED IN SANDY SOIL REGIONS AND FOR LONG-TERM INSTALLATIONS. GEOTEXTILE FILTERS (FILTER CLOTH) ARE GENERALLY REQUIRED IN CLAYEY SOIL AREAS, HOWEVER, THESE SYSTEMS CAN BE DIFFICULT TO MAINTAIN ON A LONG-TERM BASIS.	A3-006786, A3-006820 & A3-006821		
14.12.2	ROCK FILTER DAM - GEOTEXTILE FILTER (RFD) - A TYPE 2 SEDIMENT TRAP. - USED IN LOCATIONS WHERE IT IS IMPRACTICAL TO CONSTRUCT A FORMAL SEDIMENT BASIN. - THE CRITICAL DESIGN PARAMETER IS THE SURFACE AREA OF THE SETTLING POND, WHICH MUST BE MAXIMISED. - THE INCORPORATION OF FILTER CLOTH IS THE PREFERRED CONSTRUCTION TECHNIQUE IF THE REMOVAL OF FINE-GRAINED SEDIMENT IS CRITICAL.	A3-006786, A3-006820 & A3-006821		
14.12.3	ROCK FILTER DAM - AGGREGATE FILTER (RFD) - A TYPE 2 SEDIMENT TRAP. - BEST USED IN SANDY SOIL AREAS. - AGGREGATE FILTERS GENERALLY RELY ON THE EFFECTS OF PARTIAL SEDIMENT BLOCKAGE TO ACHIEVE THEIR OPTIMUM FILTRATION PERFORMANCE. - AGGREGATE FILTERS ARE NORMALLY USED ON LONG-TERM SEDIMENT TRAPS, AND SEDIMENT TRAPS THAT ARE LIKELY TO BE REGULARLY DE-SILTED.	A3-006786, A3-006820 & A3-006821		
14.12.4	EXCAVATED SEDIMENT TRAP (EST) - A TYPE 2 OR 3 SEDIMENT TRAP. - EXCAVATED SEDIMENT TRAPS ARE OFTEN COMBINED WITH ROCK FILTER DAMS. - CAUTION : PLACING AN EXCAVATED PIT IMMEDIATELY UP-SLOPE OF AN 'AGGREGATE FILTER' MAY REDUCE THE FILTRATION PERFORMANCE OF THE ROCK FILTER DAM. - PLACING AN EXCAVATED PIT IMMEDIATELY UP-SLOPE OF A 'GEOTEXTILE FILTER' WILL HELP TO REDUCE BLOCKAGE OF THE FILTER, AND THUS SHOULD EXTEND THE EFFECTIVE OPERATION LIFE OF THE SEDIMENT TRAP.	A3-006786, A3-006820 & A3-006821		
<b>SEDIMENT WEIRS (SW) - TYPE 2 SEDIMENT TRAP FOR CONCENTRATED FLOWS</b>				
14.13.1	SEDIMENT WEIR (FIELD INLET PROTECTION) - A TYPE 2 SEDIMENT TRAP. - SEDIMENT WEIRS ARE USED WHERE SPACE IS LIMITED (IE. WHEN SPACE IS NOT AVAILABLE FOR INSTALLATION OF A ROCK FILTER DAM). - SEDIMENT WEIRS CAN BE VERY EFFECTIVE IN CONDITIONS OF HIGH FLOW RATES WHERE THE SEDIMENT TRAP MAY BE SUBJECTED TO REGULAR OVER-TOPPING FLOWS. - THEY CAN ALSO BE USED AS A PRIMARY OUTLET STRUCTURE ON A 'DRY', TYPE 2 SEDIMENT BASIN.	A3-006788 to A3-006789, A3-006830 to A3-006831		

				SURVEY		SCALES (A1)		DRAWN		SIGNED		DATE		DIRECTOR ENGINEERING AND COMMERCIAL INFRASTRUCTURE				<b>STANDARD</b> <b>EROSION &amp; SEDIMENT CONTROL NOTES</b> <b>SHEET 5 OF 6</b>		SHEET 5 OF 6	
				SURVEY FILE No				DESIGNED		SIGNED		DATE		WORKS JOB No.							
				LEVEL DATUM		A.H.D.		CHECKED		SIGNED		DATE		DRAWING No.						AMEND.	
NO. DATE DESCRIPTION DRAWN APPROVED				MERIDIAN				MANAGER TECHNICAL SERVICES		ORIGINAL SIGNED BY		13/1/14		DATE		17/1/14		A1-27005		A	
AMENDMENTS AND REVISIONS				FILE NAME		STANDARD DRAWINGS/IA1-27001		G. HAWES		RPEQ 5693		DATE									