

INSTALLATION OF RISER PIPE

1. DRILL DE-WATERING HOLES IN THE RISER AS SPECIFIED ON THE PLAN.
2. EXCAVATE ANTI-FLOTATION PIT.
3. SECURELY ATTACH THE RISER TO THE CONDUIT OR CONDUIT STUB TO MAKE A WATERTIGHT STRUCTURAL CONNECTION. SECURE ALL CONNECTIONS BETWEEN CONDUIT SECTIONS BY APPROVED WATERTIGHT ASSEMBLIES.
4. ATTACH THE ANTI-SEEP COLLARS TO THE CONDUIT AS SHOWN ON THE APPROVED PLAN, OR OTHERWISE AS SPECIFIED.
5. PLACE THE CONDUIT AND RISER ON A FIRM, SMOOTH FOUNDATION OF IMPERVIOUS SOIL. DO NOT USE PERVIOUS MATERIAL SUCH AS SAND, GRAVEL, OR CRUSHED ROCK AS BACKFILL AROUND THE CONDUIT OR ANTI-SEEP COLLARS.
6. PLACE FILL MATERIAL AROUND THE CONDUIT IN 100mm LAYERS AND COMPACT AROUND THE PIPE TO AT LEAST THE SAME DENSITY AS THE ADJACENT EMBANKMENT. ENSURE APPROPRIATE CARE IS TAKEN NOT TO RAISE THE PIPE FROM FIRM CONTACT WITH ITS FOUNDATION WHEN COMPACTING UNDER THE PIPE HAUNCHES.
7. PLACE A MINIMUM DEPTH OF 600mm OF LIGHTLY COMPACTED BACKFILL OVER THE CONDUIT BEFORE CROSSING IT WITH CONSTRUCTION EQUIPMENT.

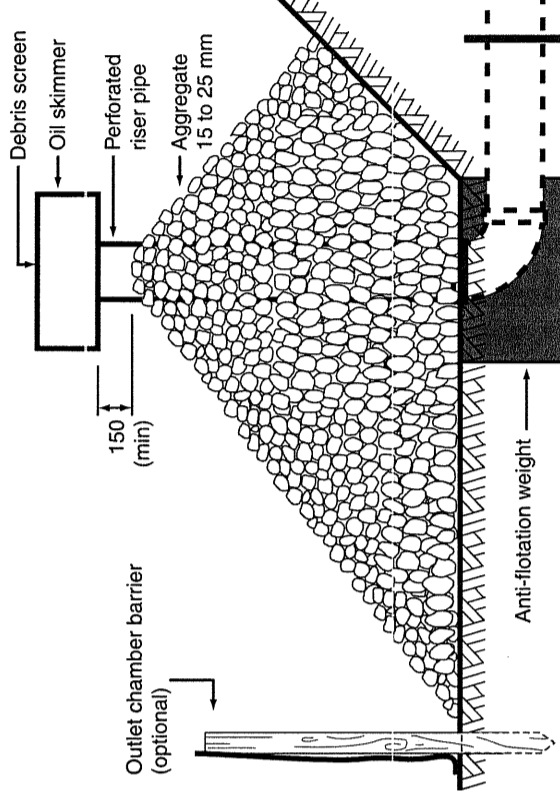
8. ANCHOR THE RISER IN PLACE BY CONCRETE OR OTHER SATISFACTORY MEANS TO PREVENT FLOTATION. ENSURE THE ANTI-FLOTATION MASS IS AT LEAST 110% OF WATER MASS DISPLACED BY THE RISER PIPE OUTLET SYSTEM, INCLUDING THE VOLUME DISPLACED BY THE ANTI-FLOTATION WEIGHT.
9. IN NO CASE SHOULD THE CONDUIT BE INSTALLED BY CUTTING A TRENCH THROUGH THE DAM AFTER THE EMBANKMENT IS COMPLETED.
10. ATTACH ANTI-VORTEX DEVICE AND TRASH GUARD TO RISER AND AS REQUIRED (REFER TO SPECIFICATIONS SHOWN ON THE APPROVED PLANS).

MAINTENANCE

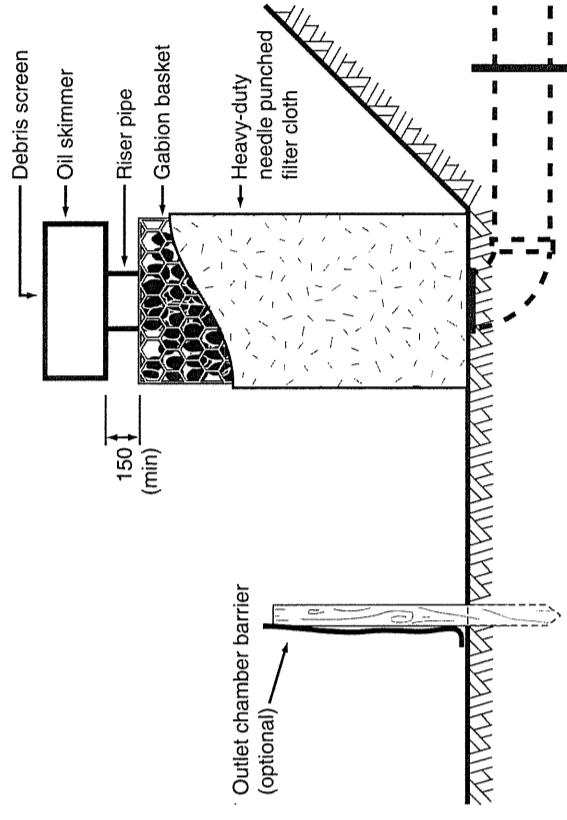
1. CHECK ALL VISIBLE PIPE CONNECTIONS FOR LEAKS, AND REPAIR AS NECESSARY.
2. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE BASIN AND RISER.
3. SUBMERGED INFLOW PIPES MUST BE INSPECTED AND DE-SILTED (AS REQUIRED) AFTER EACH INFLOW EVENT.

REMOVAL

1. DISPOSE OF ALL MATERIALS IN A MANNER THAT WILL NOT CREATE AN EROSION OR POLLUTION HAZARD.



(a) Riser pipe outlet with aggregate filtration system



(b) Riser pipe outlet with rock-filled gabion basket filter system

NOTE: FOR USE WITH CATCHMENTS > 1Ha.

NO.	DATE	DESCRIPTION	APPVD
A	18/11/11	ISSUE FOR CONSTRUCTION	
AMENDMENTS AND REVISIONS			
FILE NAME DESIGNDOCUMENTS\SEC STD DRAWINGS\...			

SURVEY	DRAWN	SIGNED	DATE
	PDG	PDG	24/02/11
SURVEY FILE NO	DESIGNED	SIGNED	DATE
	PDG	PDG	24/02/11
LEVEL DATUM	CHECKED	SIGNED	DATE
AHD			
MERIDIAN	MANAGER TECHNICAL SERVICES		
MGA 55	G. HAWES RPEQ 5693		

DIRECTOR	ENGINEERING SERVICES	DATE
		21.12.11
STUART HOLLEY RPEQ 940		

DIRECTOR	ENGINEERING SERVICES	DATE
		21.12.11
STUART HOLLEY RPEQ 940		



SEDIMENT BASINS - RISER PIPE
PRIMARY OUTLET SYSTEM

SHEET 1 OF 1

WORKS JOB No.

DRAWING No.

A3-6825

AMEND.

A