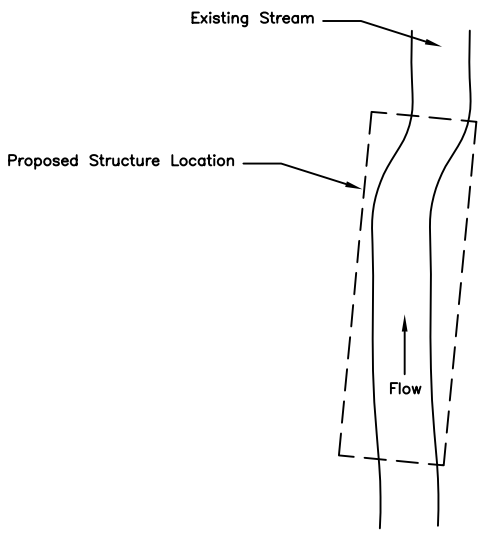
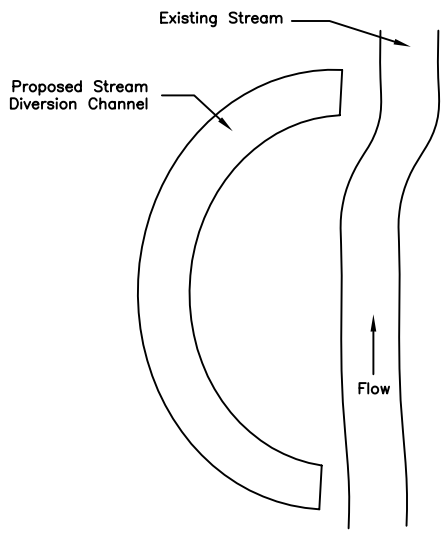
1



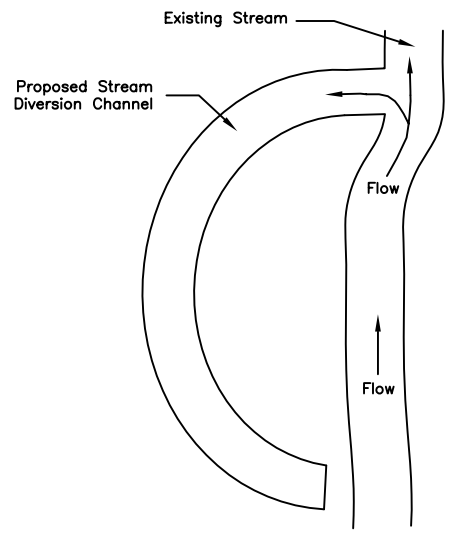
2

Excavate diversion channel leaving earth plugs at both ends. Line diversion channel with plastic or Type A or B gravel depending on stream velocity.



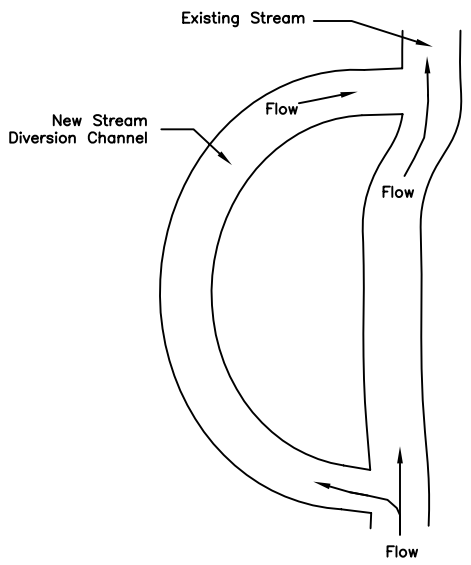
3

Open downstream plug and allow water pressure to equalize in stream diversion. Some sedimentation will occur.



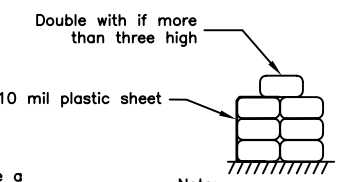
4

Open upstream plug and allow water to flow through both existing stream channel and new stream diversion. Some sedimentation will occur.



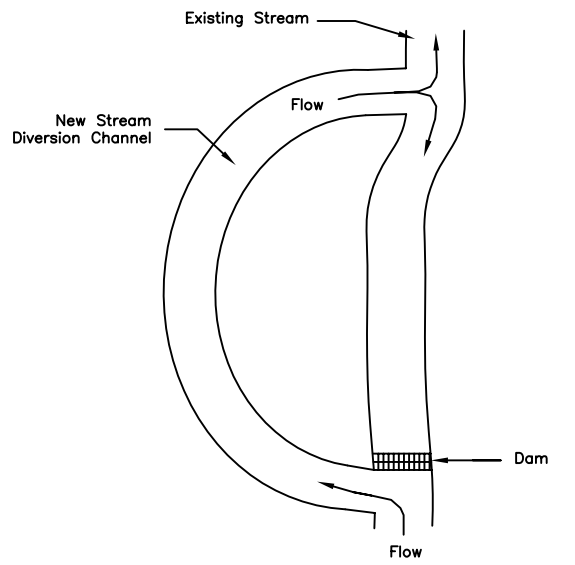
5

Immediately place a non-erodible dam in the upstream end of the existing channel.



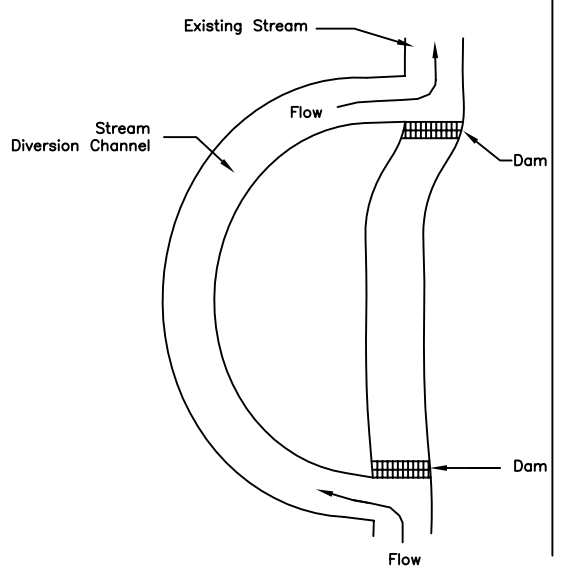
Note:
Layers to be staggered to overlap

SANDBAG COFFERDAM DETAIL



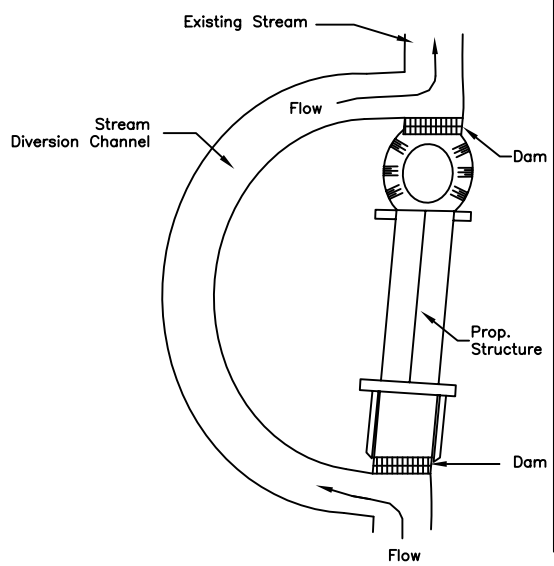
6

Immediately install a non-erobible dam downstream to prevent backflow into the construction site. Rescue all fish from the dammed portion of the watercourse. Pumped water must be filtered though vegetation or a filter bag prior to re-entering a live stream. Alternatively, construct a de-watering basin (16 X gal/min. = cu. ft. of storage) to pump out the existing creek.



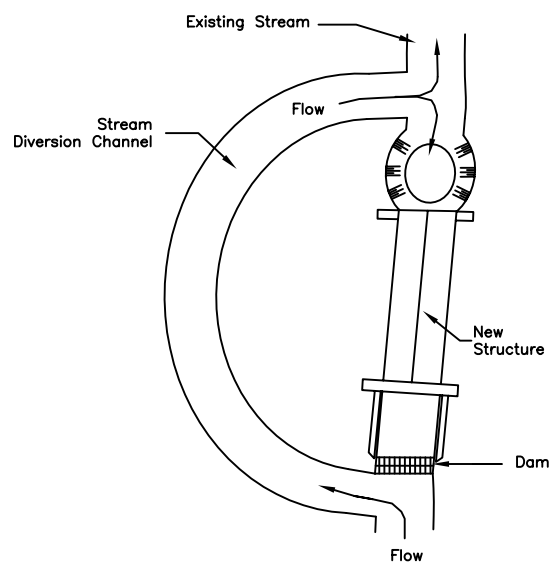
7

Construct drainage structure. Complete all channel work.



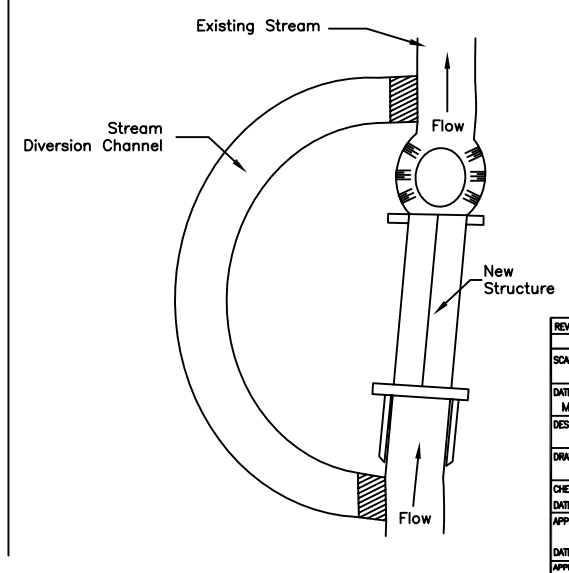
8

Remove de-watering basin.
Remove downstream dam.



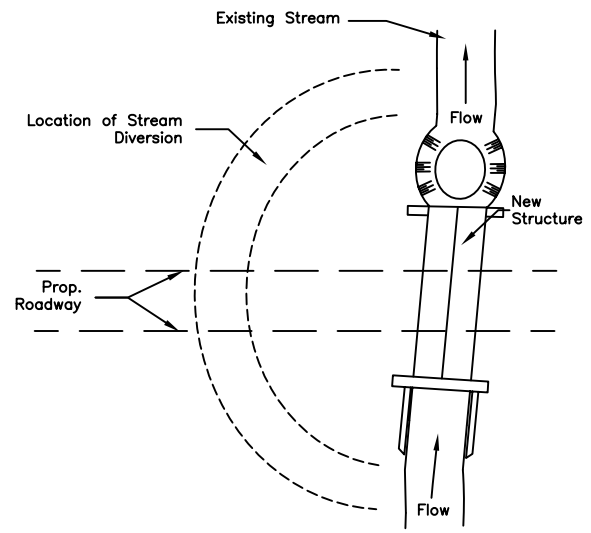
9

Remove upstream dam.
Fill in downstream and upstream ends of temporary stream diversion with non-erodible material.



10

Fill in remainder of stream diversion.
Stabilize.
Construct Roadway



REV	DATE	DESCRIPTION	MADE	CHKD	PROC	CIVIL	ELEC	MECH	H&C	CONS	APPR
		REVISION				APPROVALS					

SCALE	AS NOTED
DATE	MARCH 2001
DESIGN	VARIOUS
DRAWN	VARIOUS
CHECKED RY	
DATE	MARCH 2001
APPROVED (PROJECT)	
DATE	
APPROVED (DIVISION)	
DATE	
CLIENT NAME	NOVA SCOTIA DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
PROJECT NAME	ENVIRONMENTAL PROTECTION PLAN
DRAWING TITLE	10 STEPS TO A SUCCESSFUL STREAM DIVERSION
PROJECT NUMBER	TV20007 Task 0003
REGISTRY NUMBER	REGISTRY
DWG. NO.	TV20007-002
REV	0

AMEC Earth & Environmental Ltd.

36" x 24"