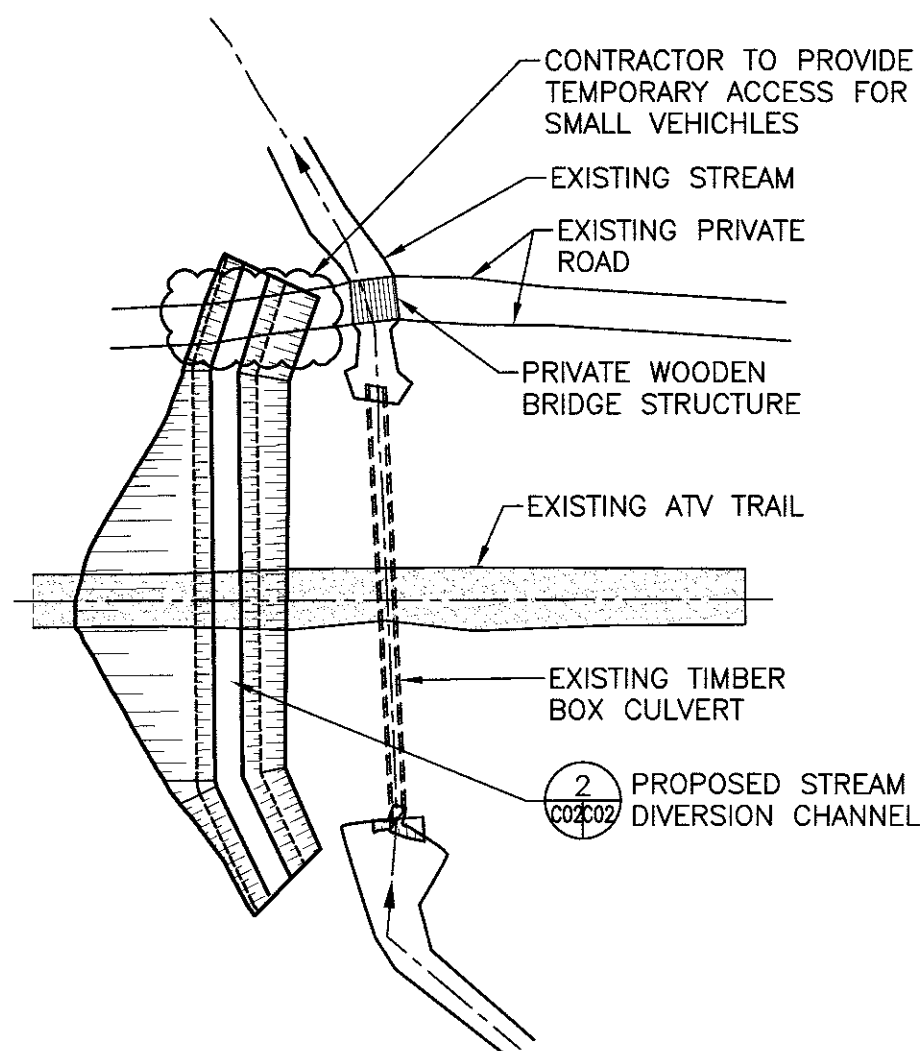
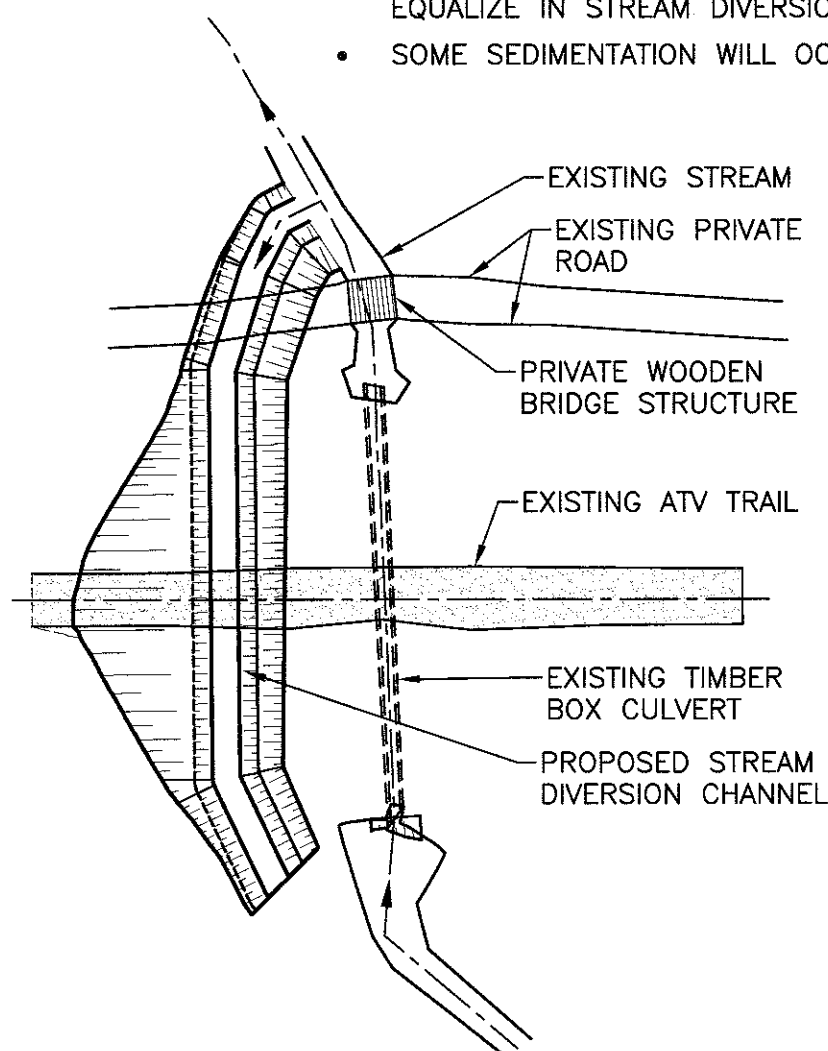


- WHERE POSSIBLE, INSTALL EROSION CONTROL STRUCTURES PRIOR TO EXCAVATION OF DIVERSION CHANNEL.
- EXCAVATE DIVERSION CHANNEL LEAVING EARTHEN PLUGS AT BOTH ENDS.
- LINE DIVERSION CHANNEL WITH 6MIL PLASTIC AND TYPE C3 GRAVEL DEPENDING ON STREAM VELOCITY.



STEP #1

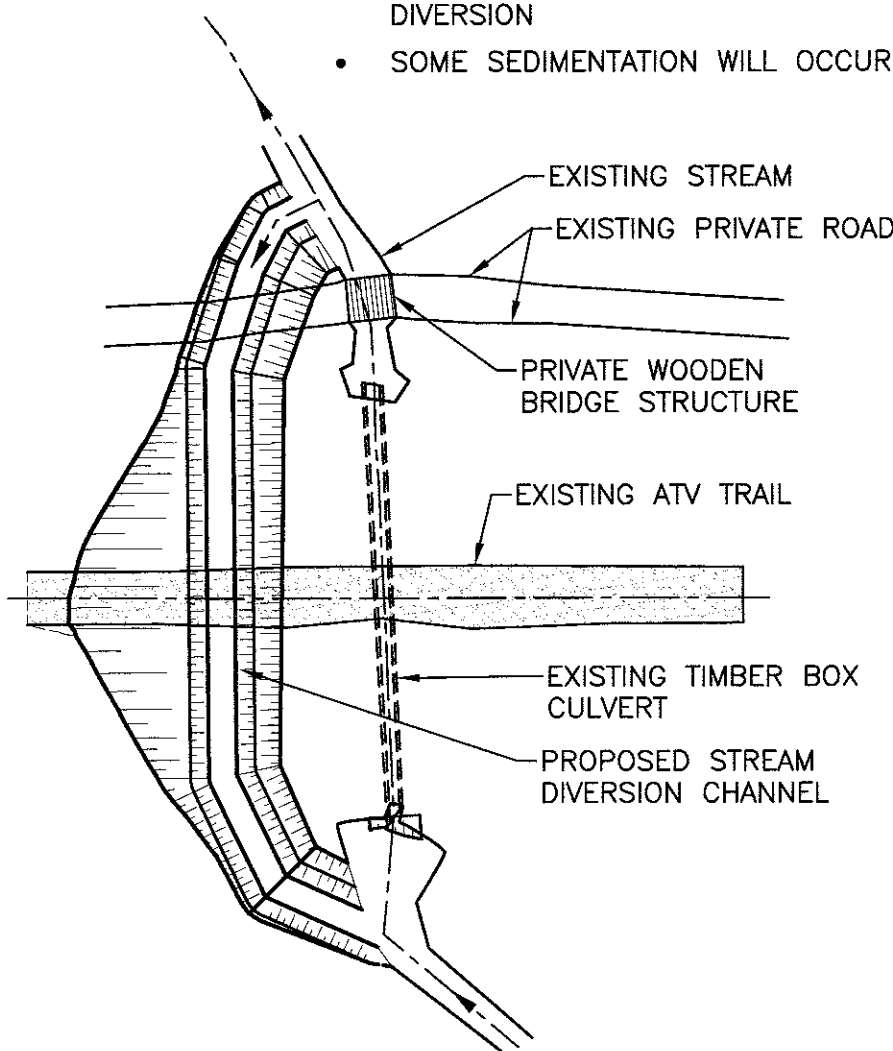
- OPEN DOWNSTREAM PLUG AND ALLOW WATER PRESSURE TO EQUALIZE IN STREAM DIVERSION
- SOME SEDIMENTATION WILL OCCUR



STEP #2

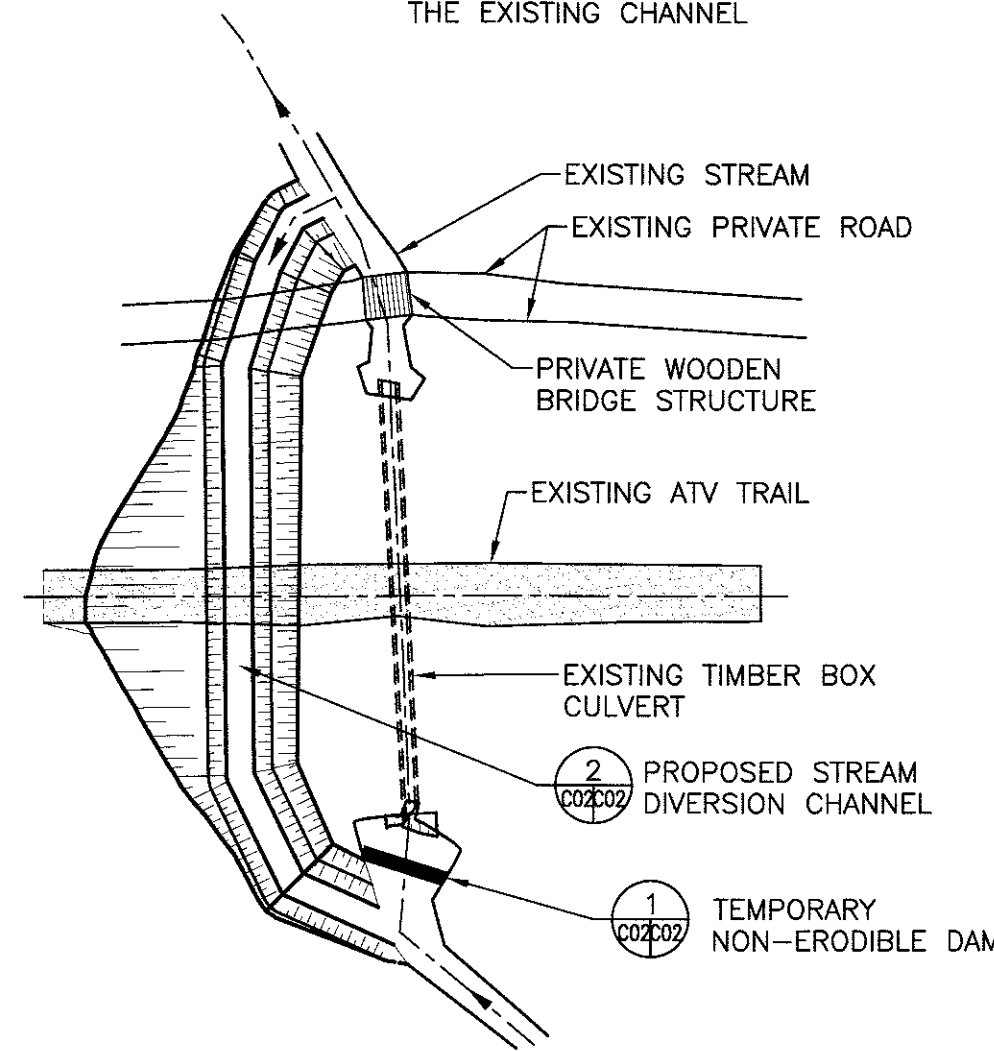
NOTE:
CONSTRUCTION SEQUENCE FOR DIVERSION CHANNEL IS INTENDED TO BE SCHEMATIC ONLY. EXACT LOCATION OF DIVERSION DITCH, COFFER DAMS, ETC, WILL VARY DEPENDING ON FIELD CONDITIONS

- OPEN UPSTREAM PLUG AND ALLOW WATER TO FLOW THROUGH BOTH EXISTING STREAM AND NEW STREAM DIVERSION
- SOME SEDIMENTATION WILL OCCUR



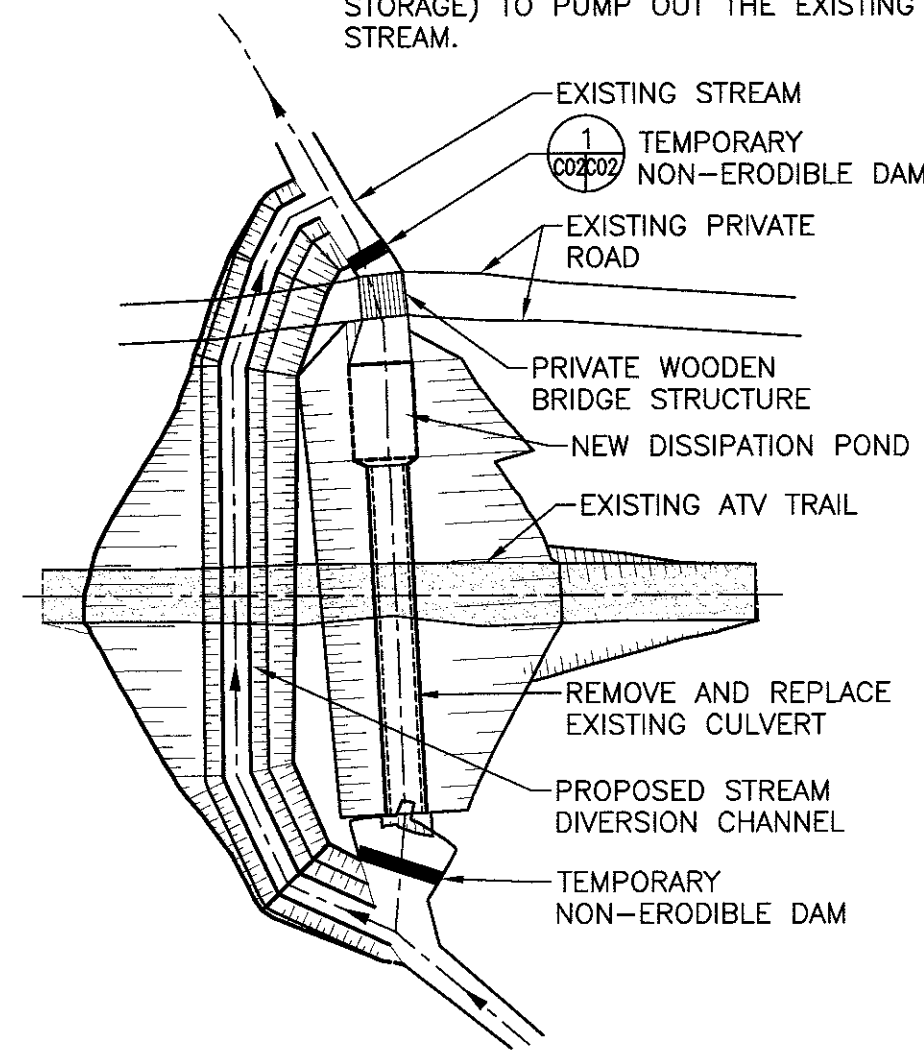
STEP #3

- IMMEDIATELY PLACE A NON-ERODIBLE DAM IN THE UPSTREAM END OF THE EXISTING CHANNEL



STEP #4

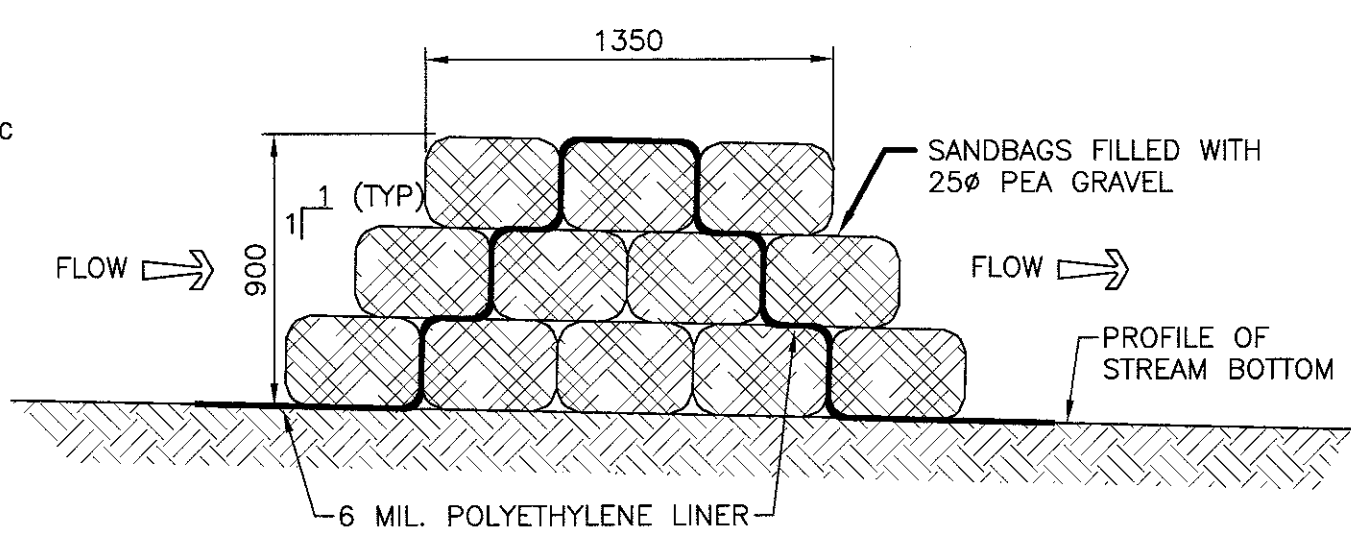
- IMMEDIATELY INSTALL A NON-ERODIBLE DAM DOWNSTREAM TO PREVENT BACKFLOW INTO THE CONSTRUCTION SITE
- RESCUE ALL FISH FROM THE DAMMED PORTION OF THE WATERCOURSE
- PUMPED WATER MUST BE FILTERED THROUGH VEGETATION OR A FILTER BAG PRIOR TO RE-ENTERING A LIVE STREAM
- ALTERNATIVELY, CONSTRUCT A DE-WATERING BASIN (16 x GAL/MIN = CU. FT. OF STORAGE) TO PUMP OUT THE EXISTING STREAM.



STEP #5

CONSTRUCTION SEQUENCE FOR DIVERSION CHANNEL

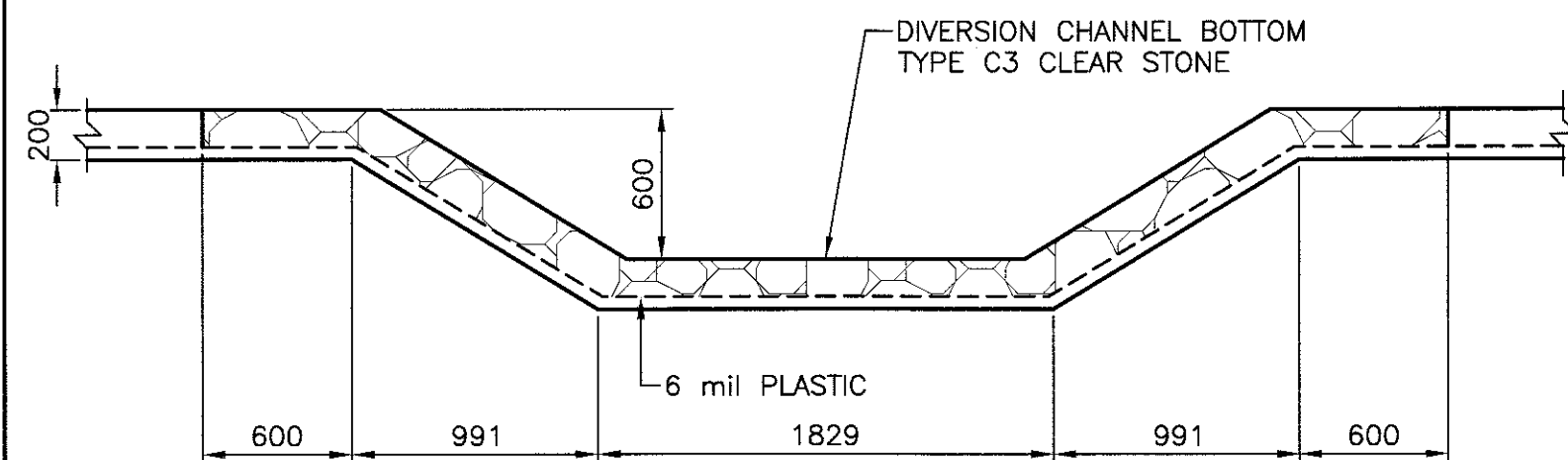
SCALE : 1:500
0m 10m 20m 30m 40m 50m



DETAIL-SAND BAG COFFER DAM

SCALE : 1:25
0mm 500mm 1000mm 1500mm 2000mm 2500mm

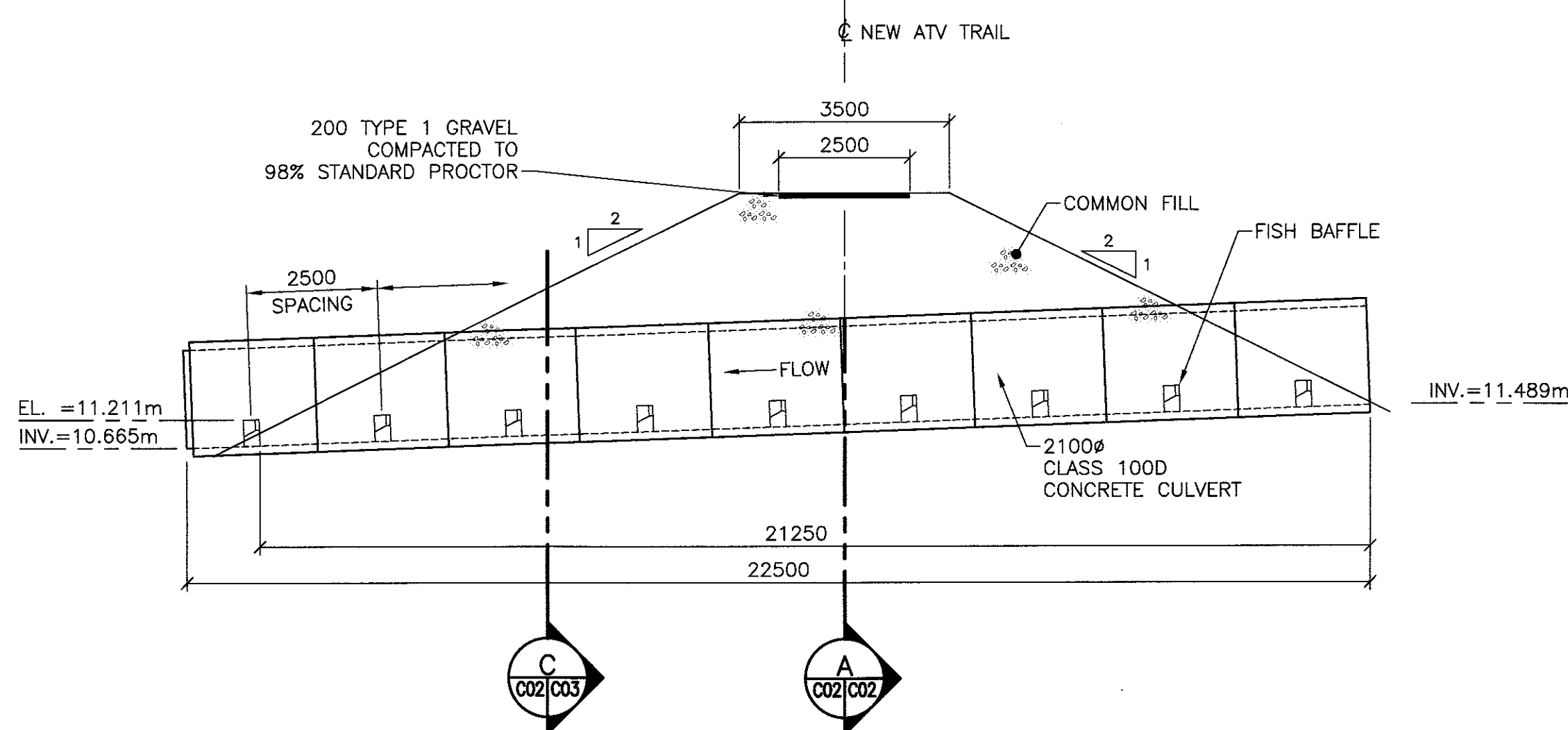
1
C02/C02



DETAIL-DIVERSION CHANNEL

SCALE : 1:30
0mm 500mm 1000mm 1500mm 2000mm 2500mm 3000mm

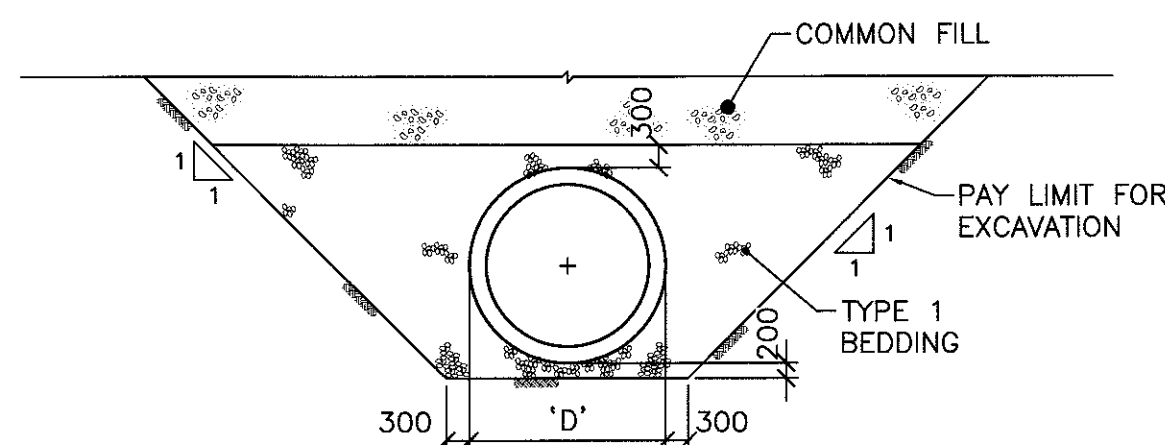
2
C02/C02



ELEVATION-CULVERT

SCALE : 1:100
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

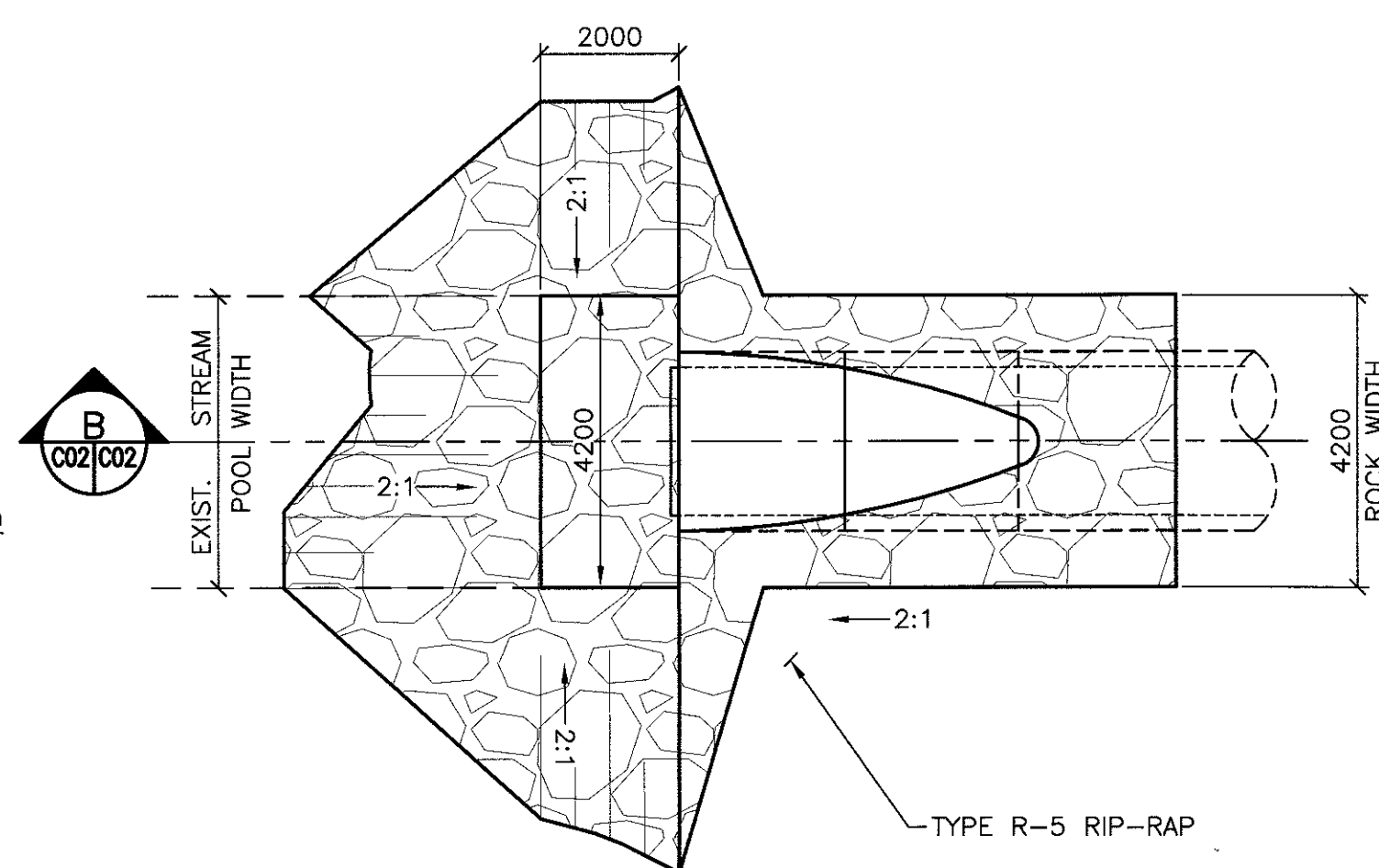
3
C01/C02



SECTION-CULVERT

SCALE : 1:100
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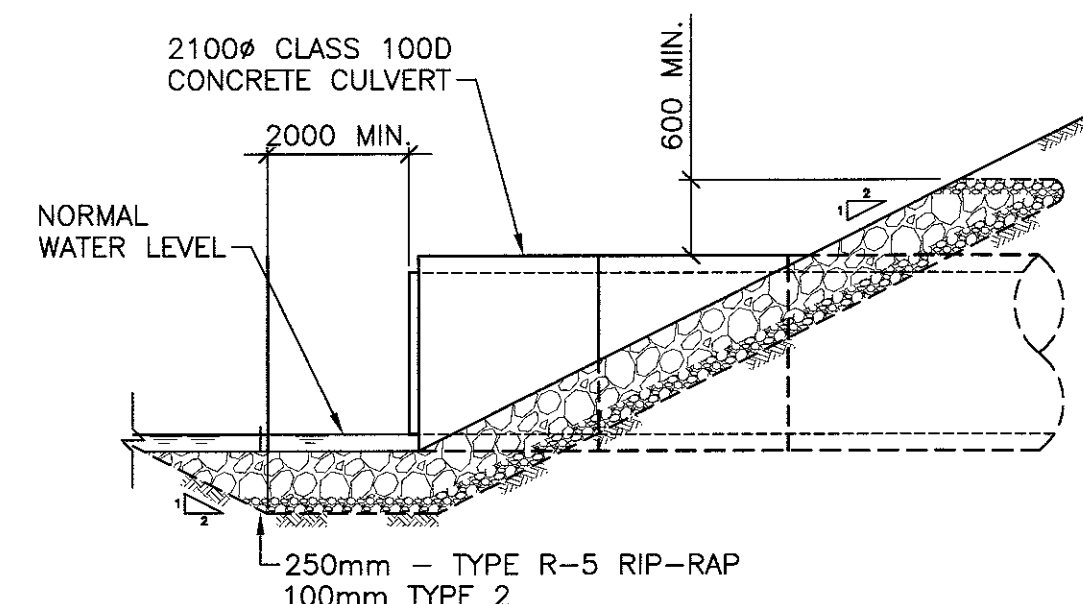
A
C02/C02



DETAIL-INLET ROCK PROTECTION

SCALE : 1:100
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

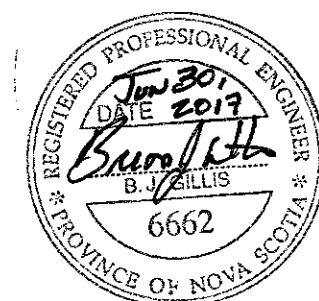
4
C01/C02



SECTION-INLET ROCK PROTECTION

SCALE : 1:100
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

B
C02/C02



0	ISSUED FOR TENDER	JUN 29 2017
A	ISSUED FOR REVIEW	MAR 24 2017
revisions		date

project
WARBURTON ROAD CULVERT CROSSING X6 DOMINION, CAPE BRETON, NOVA SCOTIA
project

drawing
dessin

PLAN, SECTIONS AND DETAILS

designed	BJG	conçu
date	MARCH 2017	
drawn	STAFF	dessiné
date	MARCH 2017	
approved	RJM	approuvé
date	MARCH	
Tender	allan silva	Soumission
PWGSC Project Manager	Administrateur de projets TPSGC	
project number	R. 074926.027	no. du projet
drawing no.	C02	no. du dessin