TEMPORARY STREAM DIVERSION PHASING

1. KEDRON BROOK IN THE VICINITY OF THE PROJECT IS CONSIDERED A SIGNIFICANT FISH HABITAT. IN ORDER TO LIMIT THE IMPACTS TO THE HABITAT, A MINIMUM 9 FOOT WIDE OPEN CHANNEL SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.

2. THE FOLLOWING SEQUENCE OF CONSTRUCTION WAS USED FOR DEVELOPING THE ANTICIPATED LIMITS OF STREAM DISTURBANCE AND RELOCATION FOR PERMITTING. THE SEQUENCE ASSUMES THE COFFERDAM FOR CONSTRUCTION OF ABUTMENT 1 IS TO BE REMOVED PRIOR TO INSTALLING THE COFFERDAM FOR CONSTRUCTION OF ABUTMENT 2. IF THE CONTRACTOR PROPOSES TO PERFORM THE WORK DIFFERENTLY THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE APPROPRIATE REGULATING ENTITIES PRIOR TO PERFORMING THE WORK.

SUMMARY OF STREAM PHASING SEQUENCE

PHASE 1:

A. INSTALL SEDIMENT ISOLATION DEVICE AND COFFERDAM AT ABUTMENT 1.

B. REMOVE STRUCTURE
REMOVE EXISTING ABUTMENT 1 AND EXCAVATE FOR ABUTMENT 1 FOUNDATION, CUT OFF PILES, INSTALL PRECAST FOOTING UNITS AND STEM WALLS, PLACE SPECIAL PROVISION (HIGH PERFORMANCE CONCRETE, RAPID SET) (FPQ) IN FOOTING BLOCKOUTS.

C. REMOVE COFFERDAM IN FRONT OF ABUTMENT 1, RETAIN COFFERDAM IN FRONT OF PROPOSED WINGWALLS, REALIGN AS NECESSARY TO MAINTAIN MINIMUM CHANNEL WIDTH.

D. INSTALL STONE FILL AT ABUTMENT 1 (BEHIND SEDIMENT ISOLATION DEVICE).

PHASE 2:

A. INSTALL SEDIMENT ISOLATION DEVICE AT ABUTMENT 2.

B. INSTALL ABUTMENT 2 COFFERDAM (DIVERT STREAM TOWARDS NEW ABUTMENT 1).

C. EXCAVATE FOR ABUTMENT 2 FOUNDATION AND REMOVE EXISTING ABUTMENT 2, CUT OFF PILES, INSTALL PRECAST FOOTING UNITS AND STEM WALLS, PLACE SPECIAL PROVISION (HIGH PERFORMANCE CONCRETE, RAPID SET) (FPQ) IN FOOTING BLOCKOUTS.

D. REMOVE COFFERDAM AT ABUTMENT 2 (RETAIN IN FRONT OF PROPOSED WINGWALLS).

E. INSTALL STONE FILL AT ABUTMENT 2 (BEHIND SEDIMENT ISOLATION DEVICE).

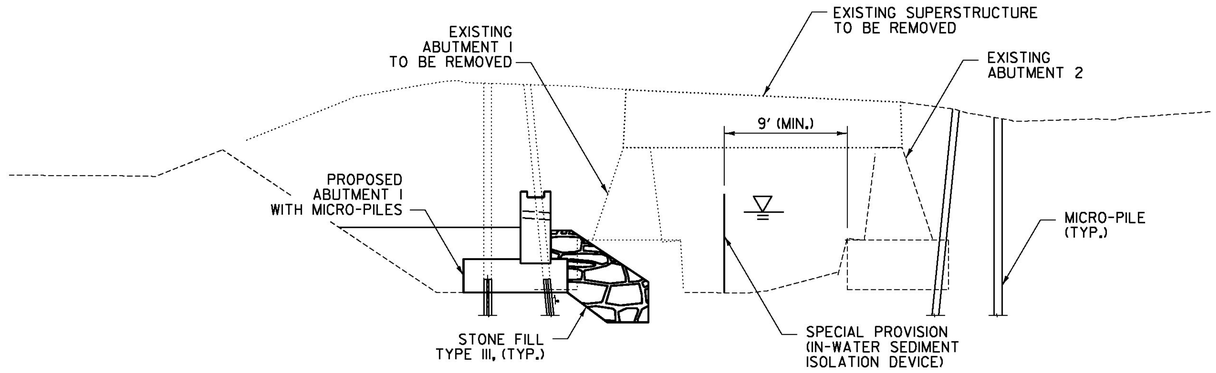
F. SET FRAME/GROUT AND CURE FRAME JOINTS, MEMBRANE VERTICAL JOINTS, BACKFILL FRAME LEGS. SET WINGWALLS AND BACKFILL.

G. REMOVE COFFERDAM IN FRONT OF WINGS.

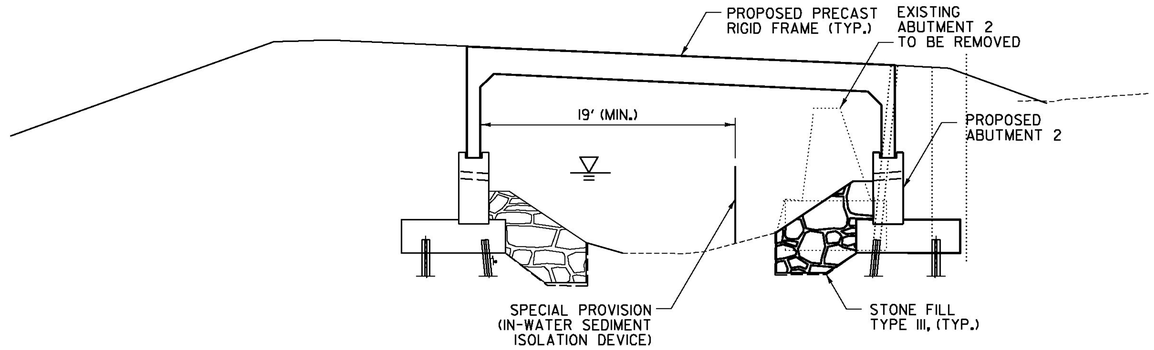
H. INSTALL STONE FILL IN FRONT OF WINGWALL (BEHIND SEDIMENT ISOLATION DEVICE).

I. INSTALL GRUBBING.

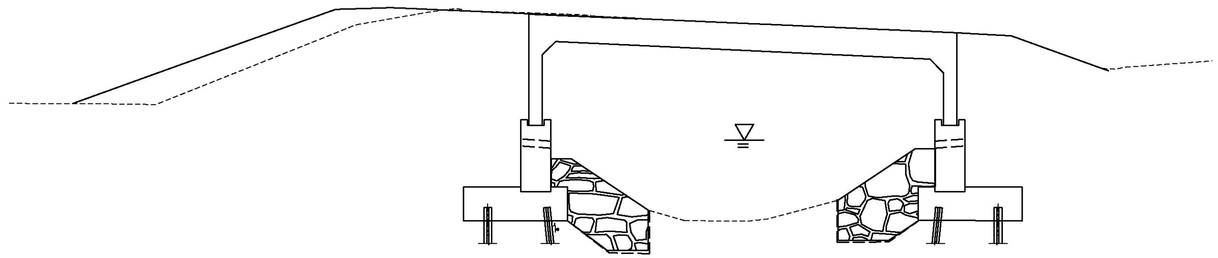
J. REMOVE SEDIMENT ISOLATION DEVICE.



STREAM PHASE 1



STREAM PHASE 2



STREAM WORK COMPLETE

STREAM PHASING SEQUENCE

SCALE 3/16" = 1'-0"

Stantec

PROJECT NAME:	WOODSTOCK
PROJECT NUMBER:	BRF 0151(21)
FILE NAME: z10c426stream_phsing.dgn	PLOT DATE: 9/25/2015
PROJECT LEADER: G. BOGUE	DRAWN BY: L. BUXTON
DESIGNED BY: T. KNIGHT	CHECKED BY: X. XXXX
STREAM PHASING SUMMARY	SHEET 48 OF 50