APPENDIX A
Royal-Moth Tributary Preliminary General Arrangement (GA) Drawing

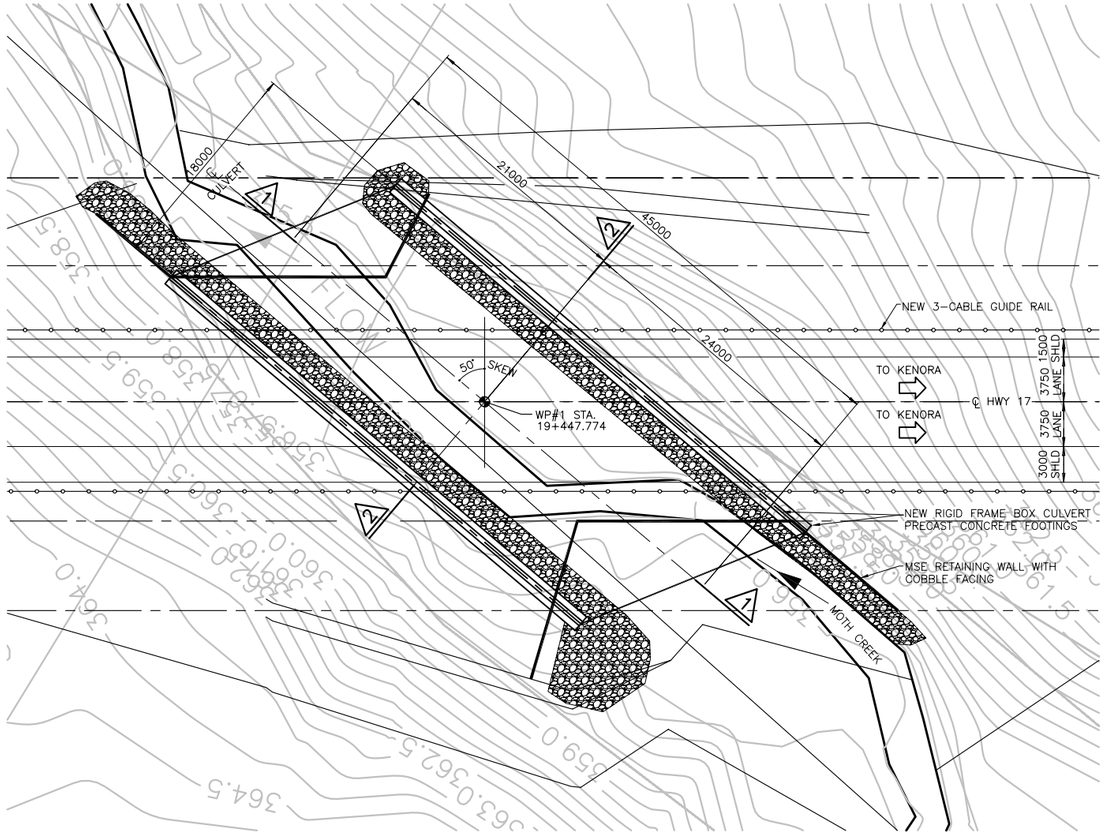
(subject to finalization during detail design)

METRIC

DIMENSIONS ARE IN METRES AND/OR MILLIMETRES UNLESS OTHERWISE SHOWN

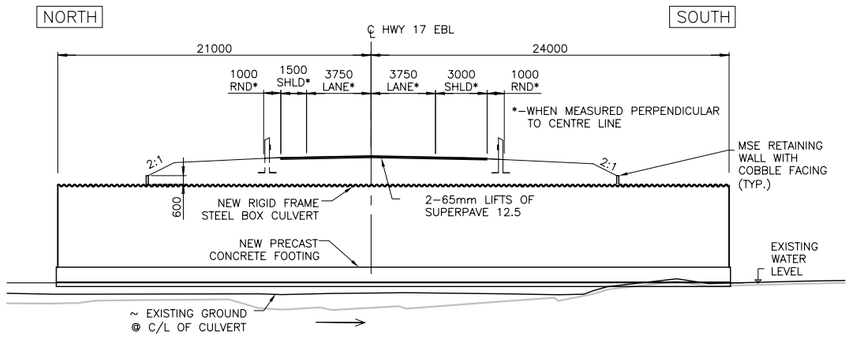
CONT No. 200X WP No. X		
MOTH CREEK CULVERT GENERAL ARRANGEMENT	SHEET x	

Ministry of Transportation
Northwestern Region
Structural Section



PLAN OF CULVERT

1 : 500



1 : 400

EXCAVATE FOR NEW ROCK FOOTINGS IN 2m SECTIONS AND BACKFILL EACH SECTION OF OPEN EXCAVATION WITH ROCK FILL PRIOR TO CONTINUING ON WITH EXCAVATION/BACKFLL OF FOOTINGS, i.e. EXCAVATION/BACKFILL TO BE DONE IN STAGES ALONG FOOTING.

GENERAL NOTES

CLASS OF CONCRETE

CLASS OF CONCRETE
PRECAST 35MPa

CLEAR COVER TO REINFORCEMENT

CLEAR CONCRETE COVER TO REINFORCING STEEL SHALL BE 50mm±10mm, UNLESS NOTED OTHERWISE.

REINFORCING STEEL

REINFORCING STEEL SHALL BE GRADE 400.

CONSTRUCTION NOTES

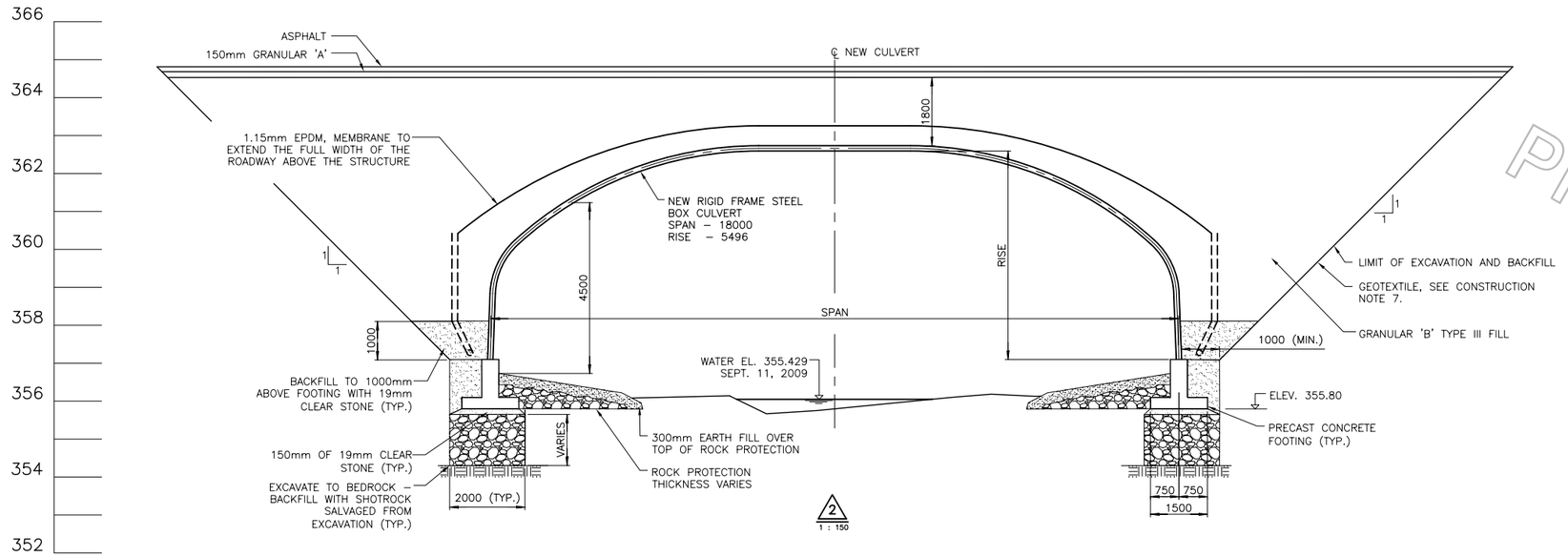
1. FOR STAGING DETAILS AND MAINTENANCE OF TRAFFIC, SEE CONSTRUCTION STAGING DRAWING.
2. THE NEW RIGID FRAME STEEL BOX CULVERT SHALL BE INSTALLED AS PER MANUFACTURER'S INSTRUCTIONS.
3. EXCAVATION TO BEDROCK UNDER FOOTINGS TO OCCUR IN THE WET IN 2m SECTIONS WITHOUT DEWATERING. ROCKFILL SHALL BE SHOTROCK.
4. CULVERT ASSEMBLY AND BACKFILLING OPERATIONS SHALL BE CARRIED OUT UNDER THE SUPERVISION OF THE CULVERT SUPPLIER AND IN ACCORDANCE WITH THE SUPPLIER'S RECOMMENDATIONS.
5. BACKFILL AND COMPACTION SHALL BE AS PER INSTALLED MANUFACTURER'S INSTRUCTIONS.
6. NO HIGHWAY TRAFFIC ALLOWED OVER CULVERT UNTIL THE MINIMUM DESIGN COVER IS ACHIEVED. COMPLY WITH MANUFACTURER'S SHOP DRAWINGS FOR OTHER RESTRICTIONS WITH REGARDS TO EQUIPMENT DURING BACKFILLING, COMPACTION OF CULVERT, AND CONSTRUCTION LOADING.
7. CLASS 2 NON-WOVEN GEOTEXTILE SHALL BE PLACED AT INTERFACE OF EXISTING ROCKFILL AND GRANULAR 'B' BACKFILL.

RIGID FRAME STEEL BOX CULVERT

1. RIGID FRAME STEEL BOX CULVERT SHALL BE SUPER COR SYSTEM BY ATLANTIC INDUSTRIES LIMITED OR BRIDGE PLATE BY ARMTEC LIMITED.
2. RIGID FRAME BOX CULVERT SHALL BE SUPPLIED WITH A GALVANIZED COATING OF 1220g/m2
3. RIGID FRAME STEEL BOX CULVERT SHALL BE DESIGNED IN ACCORDANCE WITH CANADIAN HIGHWAY BRIDGE DESIGN CODE.
4. REINFORCEMENT DETAIL INCLUDING CONCRETE ENCASED RIBS SHALL BE AS PER MANUFACTURER'S INSTRUCTIONS.

LIST OF DRAWINGS

1 GENERAL ARRANGEMENT
2 FOOTING LAYOUT & DETAILS
3 HEADWALL DETAILS



REVISIONS			DESCRIPTION			
DESIGN GWPW	CHK GWPW	CODE CHBDC-00	LOAD CL-625-ONT	DATE FEB. 2010		
DRAWN JML	CHK RJK	SITE x		DWG 1		