



Ministry of  
Transportation  
and Infrastructure

PROJECT NO. 24913-0001

TRANS-CANADA HIGHWAY No. 1  
FORD ROAD TO TAPPEN VALLEY ROAD  
TAPPEN CREEK BRIDGE  
SUGGESTED CONSTRUCTION STAGING

**NOTE TO CONTRACTOR:**

THESE DRAWINGS DO NOT REFLECT A PRESCRIBED STAGING SCENARIO - THIS IS AN EXAMPLE ONLY. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY FOR DEVELOPING ITS OWN STAGING CONCEPT.

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**FEBRUARY 14, 2023**

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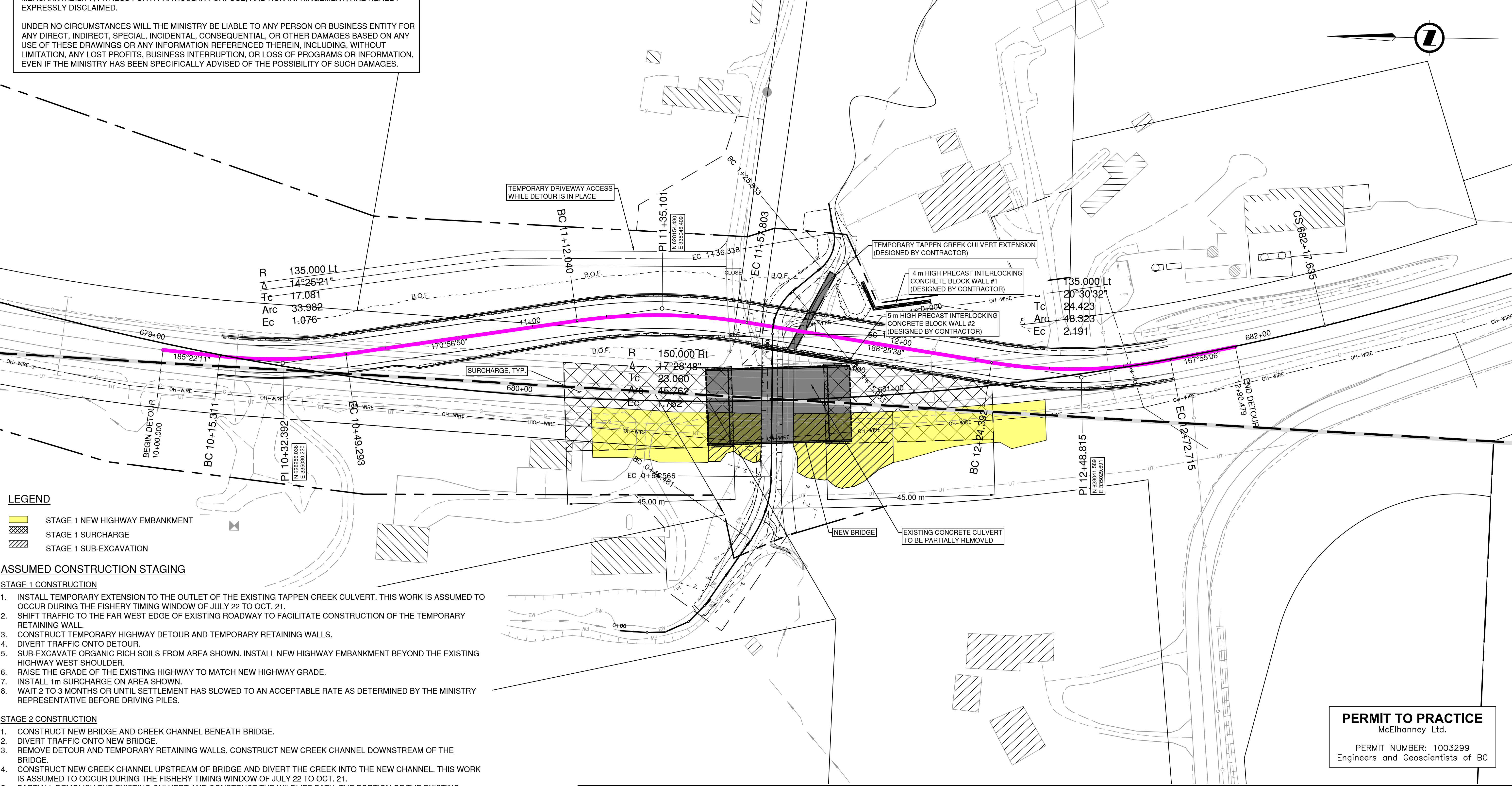
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**NEAT LINE QUANTITY SUMMARY TABLE (NOT ADJUSTED FOR SHRINK OR SWELL)**

	TYPE 'D' EXCAVATION (m³)	ROCK EMBANKMENT (m³)	SGSB (m³)	25mm WGB (m³)	ASPHALT (t)	SHOULDER AGGREGATE (m³)	CONCRETE BARRIER (pieces)
WHITE CREEK CULVERT DETOUR	980	9174	812	520	562	11	224
TAPPEN CREEK BRIDGE DETOUR	162	7870	394	255	410	5	340

PLOT DATE: 2023/01/25 X:\2121\2121-00113-00 MoTI - Hwy 1 Ford Road to Kault Hill\10.0 DRAWINGS\HWY1-23621\DrawingProduction\1100\_Subdisciplines\Construction\Staging\R2-735-960.dwg



- LEGEND**
- STAGE 1 NEW HIGHWAY EMBANKMENT
  - STAGE 1 SURCHARGE
  - STAGE 1 SUB-EXCAVATION

- ASSUMED CONSTRUCTION STAGING**
- STAGE 1 CONSTRUCTION**
- INSTALL TEMPORARY EXTENSION TO THE OUTLET OF THE EXISTING TAPPEN CREEK CULVERT. THIS WORK IS ASSUMED TO OCCUR DURING THE FISHERY TIMING WINDOW OF JULY 22 TO OCT. 21.
  - SHIFT TRAFFIC TO THE FAR WEST EDGE OF EXISTING ROADWAY TO FACILITATE CONSTRUCTION OF THE TEMPORARY RETAINING WALL.
  - CONSTRUCT TEMPORARY HIGHWAY DETOUR AND TEMPORARY RETAINING WALLS.
  - DIVERT TRAFFIC ONTO DETOUR.
  - SUB-EXCAVATE ORGANIC RICH SOILS FROM AREA SHOWN. INSTALL NEW HIGHWAY EMBANKMENT BEYOND THE EXISTING HIGHWAY WEST SHOULDER.
  - RAISE THE GRADE OF THE EXISTING HIGHWAY TO MATCH NEW HIGHWAY GRADE.
  - INSTALL 1m SURCHARGE ON AREA SHOWN.
  - WAIT 2 TO 3 MONTHS OR UNTIL SETTLEMENT HAS SLOWED TO AN ACCEPTABLE RATE AS DETERMINED BY THE MINISTRY REPRESENTATIVE BEFORE DRIVING PILES.
- STAGE 2 CONSTRUCTION**
- CONSTRUCT NEW BRIDGE AND CREEK CHANNEL BENEATH BRIDGE.
  - DIVERT TRAFFIC ONTO NEW BRIDGE.
  - REMOVE DETOUR AND TEMPORARY RETAINING WALLS. CONSTRUCT NEW CREEK CHANNEL DOWNSTREAM OF THE BRIDGE.
  - CONSTRUCT NEW CREEK CHANNEL UPSTREAM OF BRIDGE AND DIVERT THE CREEK INTO THE NEW CHANNEL. THIS WORK IS ASSUMED TO OCCUR DURING THE FISHERY TIMING WINDOW OF JULY 22 TO OCT. 21.
  - PARTIALLY DEMOLISH THE EXISTING CULVERT AND CONSTRUCT THE WILDLIFE PATH. THE PORTION OF THE EXISTING CULVERT BURIED BELOW THE FINISHED WILDLIFE PATH IS TO REMAIN IN PLACE AND BE FILLED IN. AS PER THE DESIGN DRAWINGS, CONTRACTOR MAY ALSO CONSIDER PARTIALLY DEMOLISHING THE EXISTING CULVERT IN STAGE 2 STEP 1 WITH CONSTRUCTION OF THE NEW CHANNEL BENEATH THE BRIDGE. AS PER THE DESIGN DRAWINGS, CONTRACTOR MAY ALSO CONSIDER PARTIALLY DEMOLISHING THE EXISTING CULVERT IN STAGE 2 STEP 1 WITH CONSTRUCTION OF THE NEW CHANNEL BENEATH THE BRIDGE.

**PERMIT TO PRACTICE**  
McElhanney Ltd.  
PERMIT NUMBER: 1003299  
Engineers and Geoscientists of BC

DESIGN SPEED 60 km/h

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858 Beatty Street  
Vancouver BC  
Canada V6B 1C1  
T 604 683 8521

REV	DATE	REVISIONS	NAME

SCALE

CAD FILENAME: R2-735-960  
PLOT DATE: 2023-01-25

BRITISH COLUMBIA

MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE  
SOUTHERN INTERIOR REGION  
HIGHWAY ENGINEERING AND GEOMATICS

DESIGNED: A. WARNER DATE: 2023-01-27  
QUALITY CONTROL: P. YATES DATE: 2023-01-27  
QUALITY ASSURANCE: S. PIRILLO DATE: 2023-01-27  
DRAWN: A. WARNER DATE: 2023-01-27

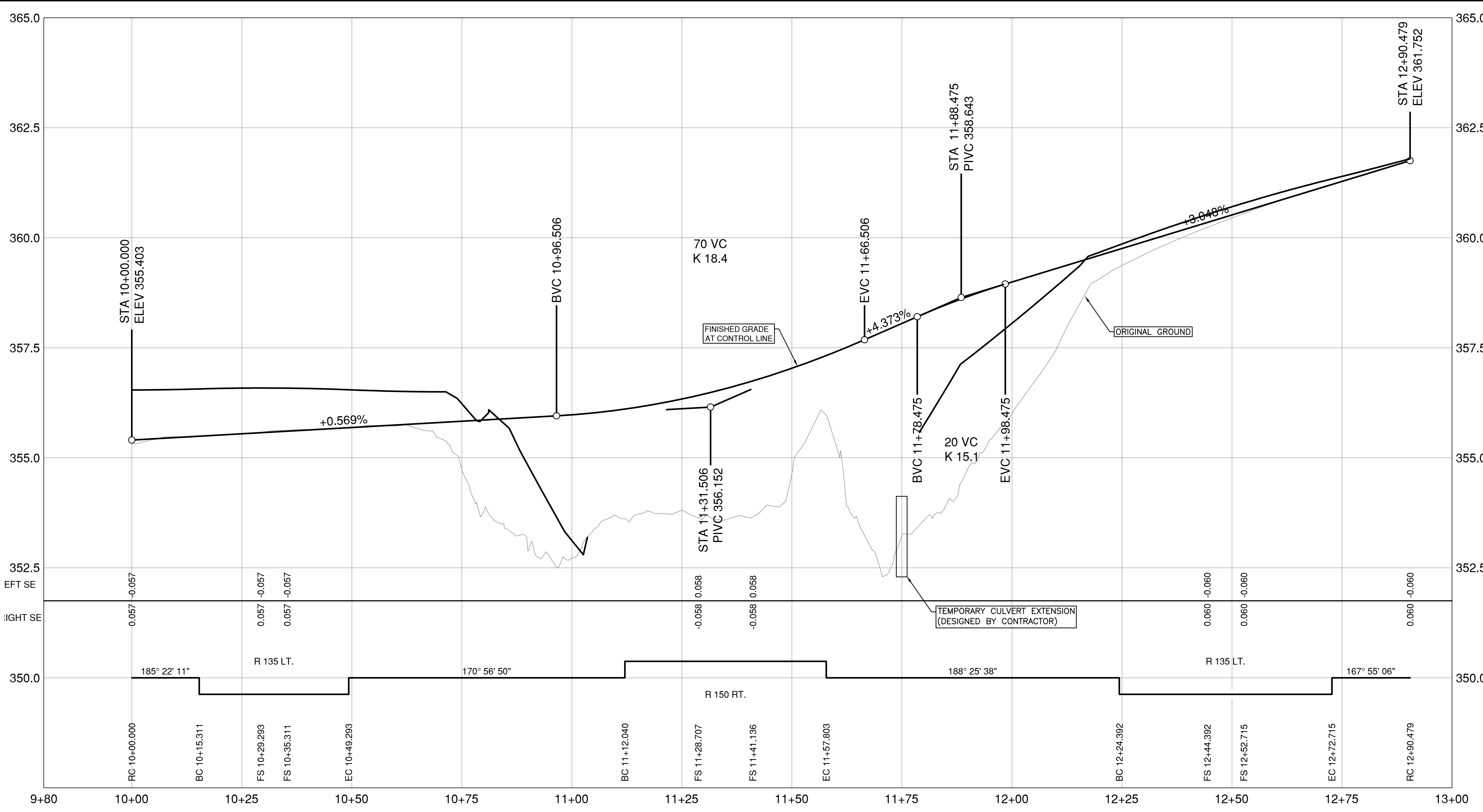
SENIOR DESIGNER: \_\_\_\_\_  
DATE: \_\_\_\_\_

**SUGGESTED CONSTRUCTION STAGING**

TRANS-CANADA HIGHWAY No. 1  
FORD ROAD TO TAPPEN VALLEY ROAD  
TAPPEN CREEK BRIDGE AT TRANS-CANADA HIGHWAY No. 1

FILE NUMBER	PROJECT NUMBER	REG	DRAWING NUMBER	REV
2121-00113-00	24913-0001	2	R2-735-965	

PLOT DATE: 2023/01/24 \\corp\TAL\COLO\2121\2121-00113-00 MoTI - Hwy 1 Ford Road to Kault Hill\10.0 DRAWINGS\HWY1-23621\DrawingProduction\1100\_Subdisciplines\Construction\Staging\R2-735-960.dwg

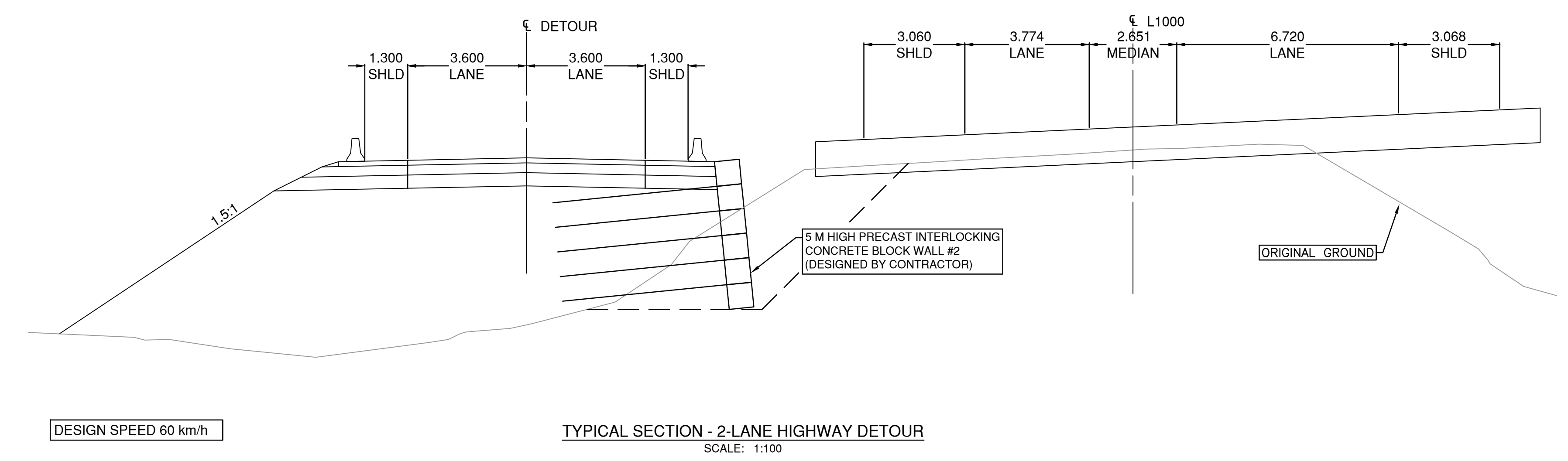


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		Suite 200 858 Beatty Street Vancouver BC Canada V6B 1C1 T 604 683 8521		MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE SOUTHERN INTERIOR REGION HIGHWAY ENGINEERING AND GEOMATICS	
SCALE _____ CAD FILENAME: R2-735-960 PLOT DATE: 1/24/2023				<b>SUGGESTED CONSTRUCTION DETOUR PROFILE</b> TRANS-CANADA HIGHWAY No. 1 FORD ROAD TO TAPPEN VALLEY ROAD TAPPEN CREEK BRIDGE AT TRANS-CANADA HIGHWAY No. 1	
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				DRAWING NUMBER	R2-735-966