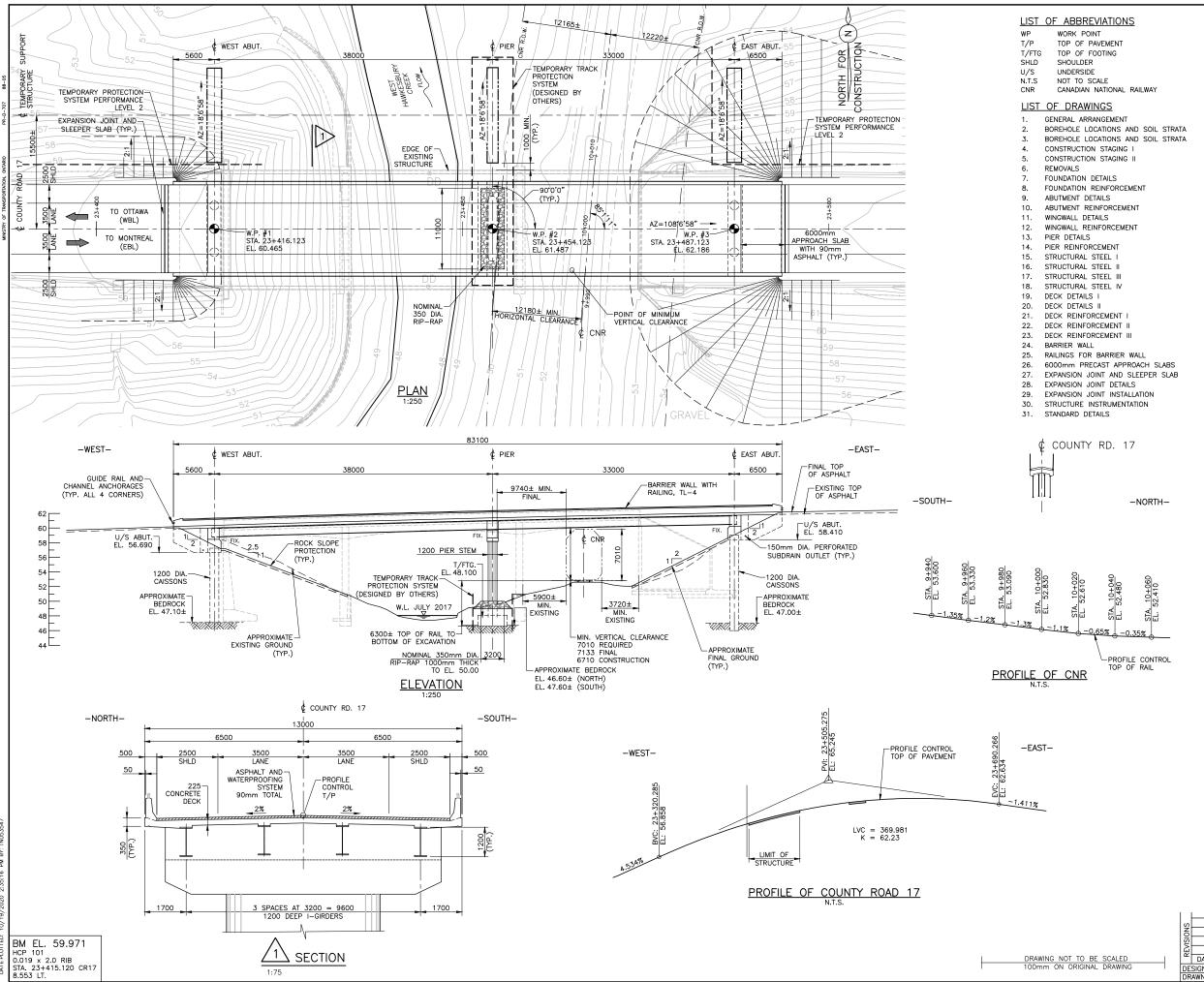
# **Appendix L**

**General Arrangement Drawings** 



CONT. No.

WP No. 4098-16-01 HAWKESBURY BRIDGE REPLACEMENT

HAWKESBURY CREEK - CNR O/H AND COUNTY ROAD 17 U/P HAWKESBURY CREEK - CNR O/H

53 GENERAL ARRANGEMENT

SHEET

25

**Jacobs** 

**METRIC** 

#### **GENERAL NOTES**

## 1. CLASS OF CONCRETE

CLASS OF CONCRETE SHALL BE

30 MPa

CLASS OF CONCRETE FOR PRECAST ELEMENTS IS SHOWN ON PRECAST ELEMENTS DRAWINGS.

#### 2. CLEAR COVER TO REINFORCING STEEL

FOOTINGS	& CAISSONS	100	) ±	: 25
DECK	TOP	70	±	20
	ВОТТОМ	40	±	10
PIER CAPS		70	±	10
PEMAINIDE	P _ LINI FSS OTHERWISE NOTED	70	+	20

#### 3. REINFORCING STEEL

REINFORCING STEEL SHALL BE GRADE 400W.

UNLESS SHOWN OTHERWISE, TENSION LAP SPLICES FOR REINFORCING STEEL BARS SHALL BE CLASS B.

STAINLESS REINFORCING STEEL SHALL BE TYPE 316LN OR DUPLEX 2205 AND HAVE A MINIMUM YIELD STRENGTH OF 500 MPa, UNLESS OTHERWISE SPECIFIED.

BAR MARKS WITH PREFIX 'S' DENOTE STAINLESS STEEL BARS.

BAR HOOKS SHALL HAVE STANDARD HOOK DIMENSIONS USING MINIMUM BEND DIAMETERS, WHILE STIRRUPS AND TIES SHALL HAVE MINIMUM HOOK DIMENSIONS. ALL HOOKS SHALL BE IN ACCORDANCE WITH THE STRUCTURAL STANDARD DRAWING SS12-1 UNLESS INDICATED OTHERWISE.

MECHANICAL CONNECTORS SHALL BE SUPPLIED IN ACCORDANCE WITH MTO DESIGNATED SOURCES OF MATERIALS LIST DSM 9.65.58 HEADED DEFORMED BARS SHALL BE IN ACCORDANCE WITH ASTM A970/A970M.

#### 4. STRUCTURAL STEEL

FOR STRUCTURAL DETAILS AND NOTES SEE DRAWING 15.

### 5. CONSTRUCTION NOTES

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DETAILS AND ELEVATIONS OF THE EXISTING STRUCTURE THAT ARE RELEVANT TO THE WORK SHOWN ON THE DRAWINGS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE CONTRACT ADMINISTRATOR PRIOR TO PROCEEDING WITH THE

THE REPLACEMENT SUPERSTRUCTURE SHALL BE CONSTRUCTED TO THE NORTH OF THE EXISTING BRIDGE ON A TEMPORARY SUPPORT STRUCTURE. ONCE THE EXISTING BRIDGE IS DEMOLISHED AND THE NEW SUBSTRUCTURES ARE CONSTRUCTED, THE REPLACEMENT SUPERSTRUCTURE SHALL BE MOVED INTO FINAL POSITION USING LATERAL SLIDE TECHNIQUE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STABILITY OF THE EXISTING AND NEW BRIDGES THROUGHOUT ALL STAGES OF CONSTRUCTION.

FOR STAGING AND MAINTENANCE OF TRAFFIC SEE ROADWAY STAGING DRAWINGS AND SPECIFICATIONS.

BACKFILL SHALL NOT BE PLACED AGAINST ANY CONCRETE COMPONENT UNTIL CONCRETE HAS REACHED 75% OF ITS DESIGN STRENGTH

THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL TEMPORARY STRUCTURES, TEMPORARY PROTECTION SYSTEMS, CONSTRUCTION PLATFORMS, DEBRIS CONTAINMENT SYSTEMS ETC.

TEMPORARY PROTECTION SYSTEMS SHALL BE PERFORMANCE LEVEL 2, UNLESS NOTED OTHERWISE. THEY SHALL BE DESIGNED, CONSTRUCTED, MONITORED AND REMOVED ACCORDING TO THE CONTRACT DOCUMENTS AND OPSS 539. LOCATIONS AND LIMITS TO DETERMINED BY THE CONTRACTOR.

TEMPORARY TRACK PROTECTION SYSTEMS SHALL BE CONSTRUCTED, MONITORED AND REMOVED ACCORDING TO CNR REQUIREMENTS.

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL LOCATES AND PROTECTION OF ALL UTILITIES DURING CONSTRUCTION.

#### APPLICABLE STANDARD DRAWINGS

OPSD 3101.150	WALLS ABUTMENT, BACKFILL MINIMUM GRANULAR REQUIREMENT
OPSD 3102.100	WALLS ABUTMENT BACKFILL DRAIN
OPSD 3370.100	DECK, WATERPROOFING HOT APPLIED ASP

BARRIERS AND RAILINGS, STEEL BEAM GUIDE RAIL AND CHANNEL ANCHORAGE

# NOT FOR CONSTRUCTION

