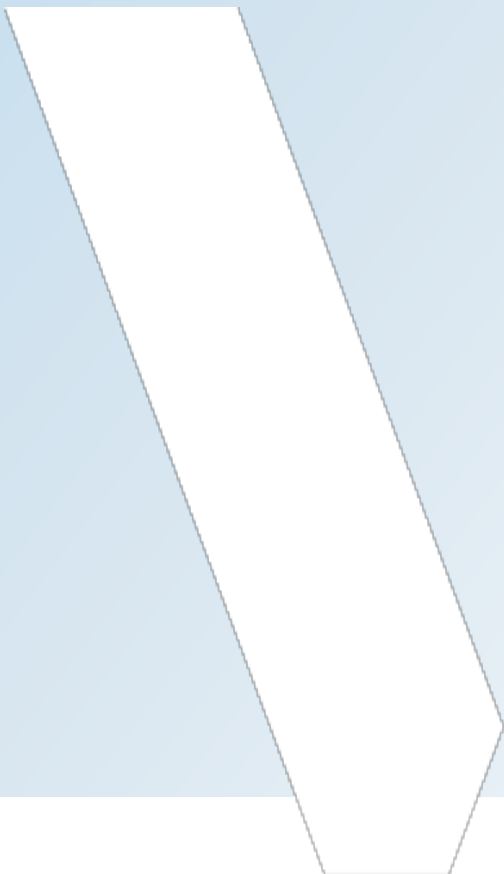
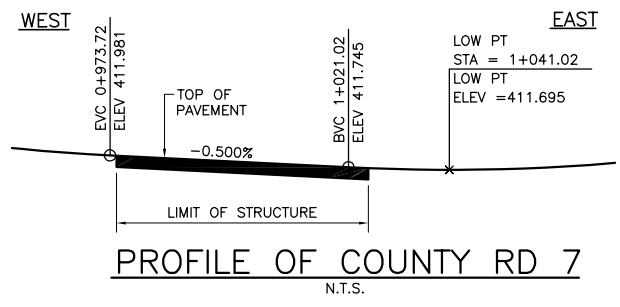
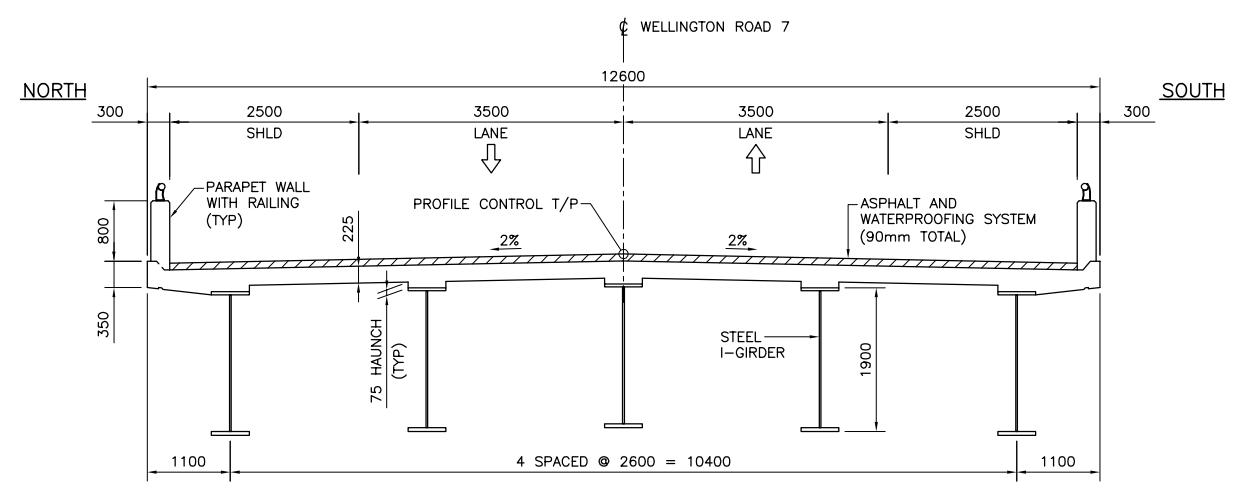
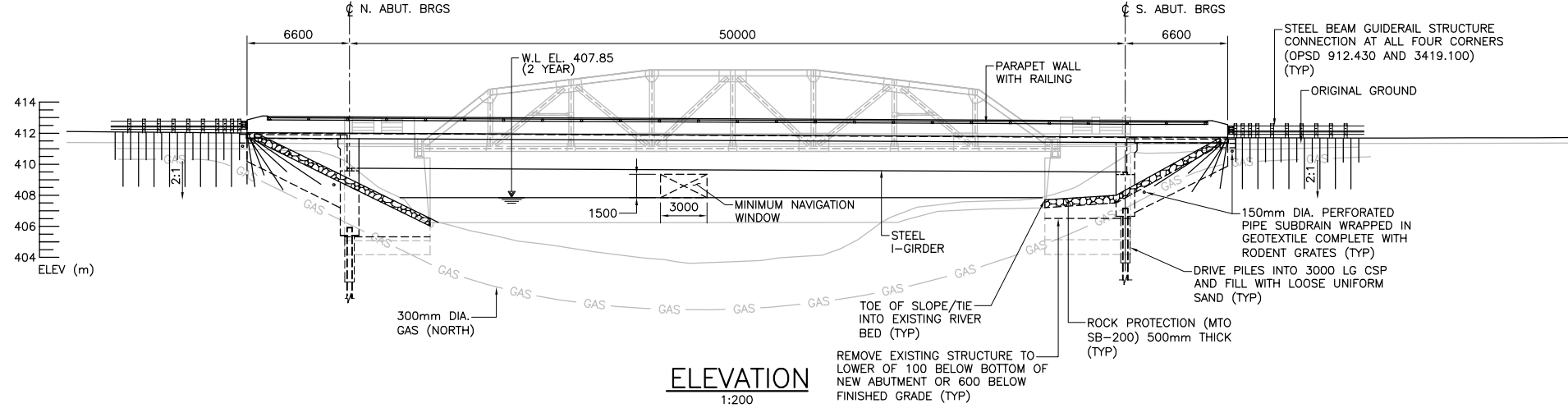
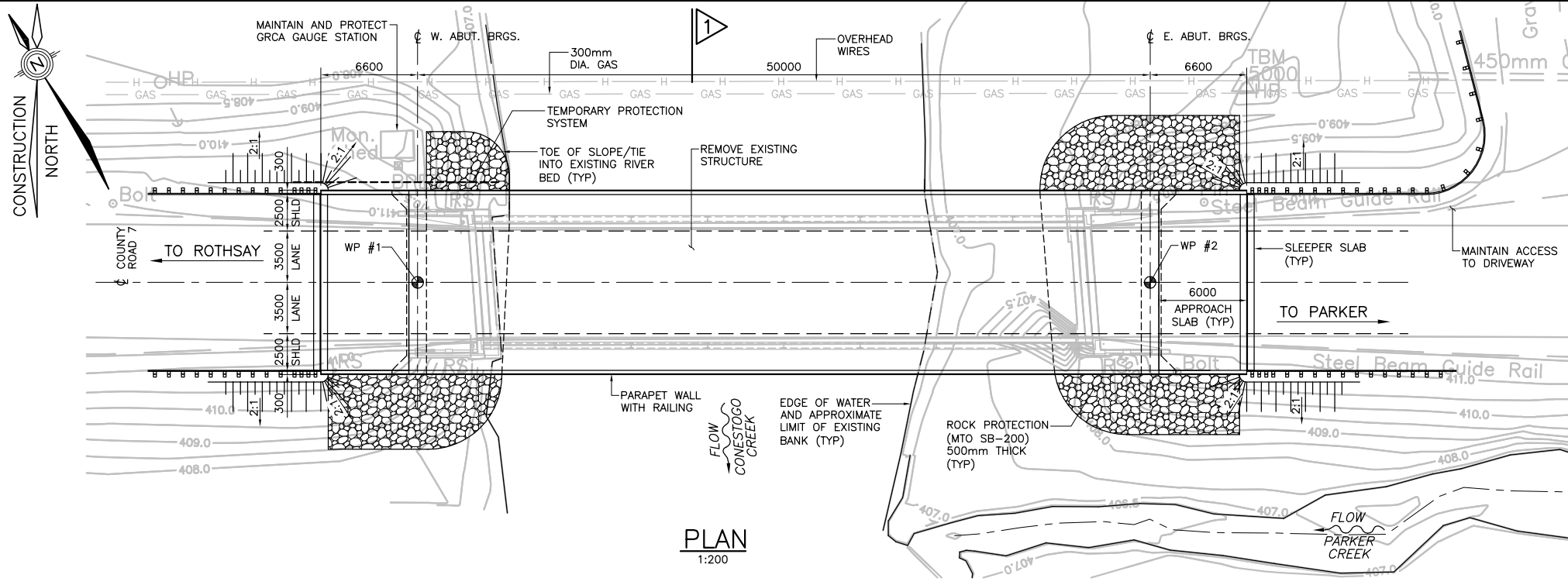


APPENDIX

H

PRELIMINARY
GENERAL
ARRANGEMENT





WORKING POINT DATA				
LOCATION	STATION (m)	NORTHING (m)	EASTING (m)	ELEVATION (m)
WP #1	0+975.000	4847869.0899	529177.2803	411.975
WP #2	1+025.000	4847844.4685	529220.7980	411.727

GENERAL NOTES:

DESIGN CODE:

CANADIAN HIGHWAY BRIDGE DESIGN CODE, CHBDC 2019 CAN/CSA S6-19
LIVE LOAD: CL-625-ONT

CLASS OF CONCRETE:

CLASS C-1 PER CSA 23.1
ALL CONCRETE UNLESS OTHERWISE NOTED 35MPa

CLEAR COVER TO REINFORCING STEEL:

DECK
TOP 70 ± 20 mm
BOTTOM 40 ± 10 mm
REMAINDER, UNLESS OTHERWISE NOTED 70 ± 20 mm

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 500MPa, UNLESS OTHERWISE SPECIFIED.
- BAR MARKS WITH PREFIX 'S' DENOTE STAINLESS STEEL BARS.
- GLASS FIBRE REINFORCED POLYMER REINFORCING BARS SHALL BE GRADE I, GRADE II OR GRADE III AS SPECIFIED IN THE CONTRACT DRAWINGS. THE NOMINAL DIAMETER, TENSILE MODULUS OF ELASTICITY AND GUARANTEED MINIMUM TENSILE STRENGTH SHALL BE AS SPECIFIED IN THE CONTRACT DOCUMENTS.
- BAR MARKS WITH THE PREFIX G DENOTE GRADE III GLASS FIBRE REINFORCED POLYMER BARS (E=60GPa).
- 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.

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL ESTABLISH THE BEARING SEAT ELEVATIONS BY DEDUCTING THE ACTUAL BEARING THICKNESSES FROM THE TOP OF BEARING ELEVATIONS. IF THE ACTUAL BEARING THICKNESSES ARE DIFFERENT FROM THOSE GIVEN IN THE DRAWINGS, THE CONTRACTOR SHALL ADJUST THE REINFORCING STEEL TO SUIT.
- BACKFILL SHALL NOT BE PLACED BEHIND THE ABUTMENTS UNTIL THE DECK SLAB IS IN PLACE AND HAS REACHED 70% OF ITS DESIGN STRENGTH.
- BACKFILL SHALL BE PLACED SIMULTANEOUSLY BEHIND BOTH ABUTMENTS KEEPING THE HEIGHT OF THE BACKFILL APPROXIMATELY THE SAME. AT NO TIME SHALL THE DIFFERENCE IN ELEVATION BE GREATER THAN 500 mm.
- CONSTRUCT ABUTMENTS AND WINGWALLS TO THE BEARING SEAT ELEVATIONS. THE CONTRACTOR SHALL SUPPLY TEMPORARY LATERAL BRACING FOR THE ABUTMENTS. FORMWORK AND LATERAL BRACING SHALL NOT BE REMOVED UNTIL CONCRETE HAS REACHED 70% OF ITS SPECIFIED 28-DAY STRENGTH.
- SUBDRAINS SHALL BE EXTENDED TO THE LIMIT OF GRADING FROM SLOPE TO SLOPE AND INSTALLED COMPLETE WITH RODENT GRATING (TYPICAL).
- ROCK PROTECTION (MTO WB-200) TO BE PLACED TO A MINIMUM DEPTH OF 500mm AS SHOWN. WB-200 LAYER TO BE TOP DRESSED WITH A 100mm THICK LAYER OF TABLE A SUBSTRATE.

LIST OF DRAWINGS:

- GENERAL ARRANGEMENT

LIST OF ABBREVIATIONS:

T/P - DENOTES TOP OF PAVEMENT
WL - DENOTES WATER LEVEL
WP - DENOTES WORKING POINT

APPLICABLE STANDARD DRAWINGS:

- OPSD - 0219.130 HEAVY-DUTY SILT FENCE BARRIER
- OPSD - 0219.180 STRAW BALE FLOW CHECK DAM
- OPSD - 0219.240 DEWATERING TRAP
- OPSD - 0219.260 TURBIDITY CURTAIN
- OPSD - 0219.261 TURBIDITY CURTAIN, SEAM DETAIL
- OPSD - 0912.430 GUIDE RAIL SYSTEM, STEEL BEAM STRUCTURE CONNECTION
- OPSD - 3101.150 WALLS, ABUTMENT, BACKFILL MINIMUM GRANULAR REQUIREMENT
- OPSD - 3102.100 WALLS, ABUTMENT, BACKFILL DRAIN
- OPSD - 3190.100 WALLS, RETAINING AND ABUTMENT WALL DRAIN
- OPSD - 3370.100 DECK, WATERPROOFING HOT APPLIED ASPHALT MEMBRANE WITH PROTECTION BOARD
- OPSD - 3390.100 DECK DRIP CHANNEL
- OPSD - 3419.100 BARRIERS AND RAILINGS STEEL GUIDE RAIL AND CHANNEL ANCHORAGE
- OPSD - 3950.100 CONCRETE EXPANSION AND CONSTRUCTION JOINT ON STRUCTURE

METRIC
ALL DIMENSIONS SHOWN HERE ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

CAD FILE LOCATION AND NAME: S:\2020\20M-01326-00\300\S20M-01326-00-300-001GA.dwg
MODIFIED: 6/9/2021 11:26:39 AM BY: AWACD
DATE PLOTTED: 6/9/2021 11:28:43 AM BY: AWACD

THESE DESIGN DOCUMENTS ARE PREPARED SOLELY FOR THE USE BY THE PARTY WITH WHOM THE DESIGN PROFESSIONAL HAS ENTERED INTO A CONTRACT AND THERE ARE NO REPRESENTATIONS OF ANY KIND MADE BY THE DESIGN PROFESSIONAL TO ANY PARTY WITH WHOM THE DESIGN PROFESSIONAL HAS NOT ENTERED INTO A CONTRACT.

		SCALE	AS SHOWN	DESIGNED	SH												
		DATE	JUNE, 2021	CHECKED	CM												
<table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>INITIAL</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DESCRIPTION	DATE	INITIAL									DRAFTING	ZP	PROJECT	
		NO.	DESCRIPTION	DATE	INITIAL												
CHECKED	SH																
<table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>INITIAL</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DESCRIPTION	DATE	INITIAL									FIELD BK.	PAGE		
NO.	DESCRIPTION	DATE	INITIAL														
		BENCH M															

<p>COUNTY OF WELLINGTON</p> <p>REPLACEMENT OF BOSWORTH BRIDGE STRUCTURE NO. B007028</p>		PROJECT NO.	
		DRAWING NO.	
<p>GENERAL ARRANGMENT</p>			