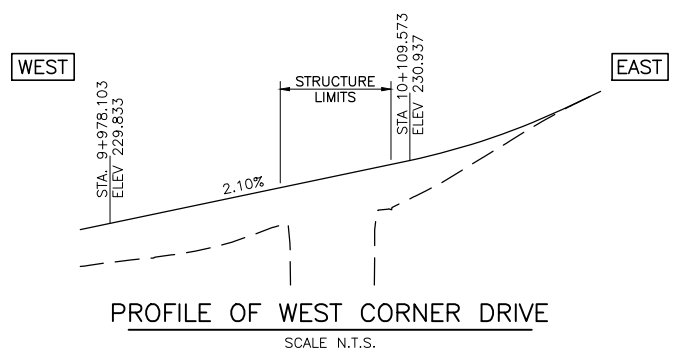
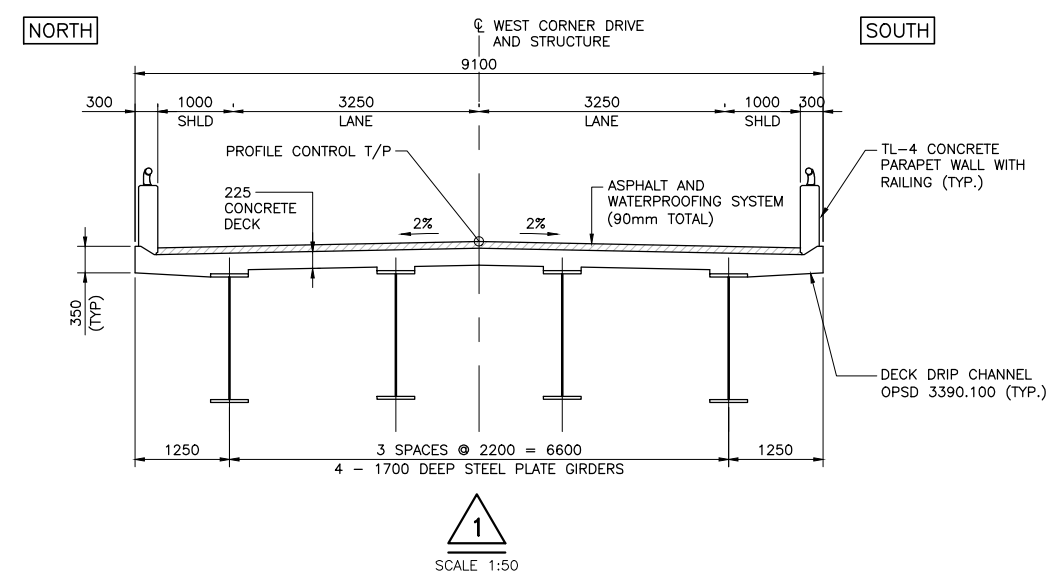
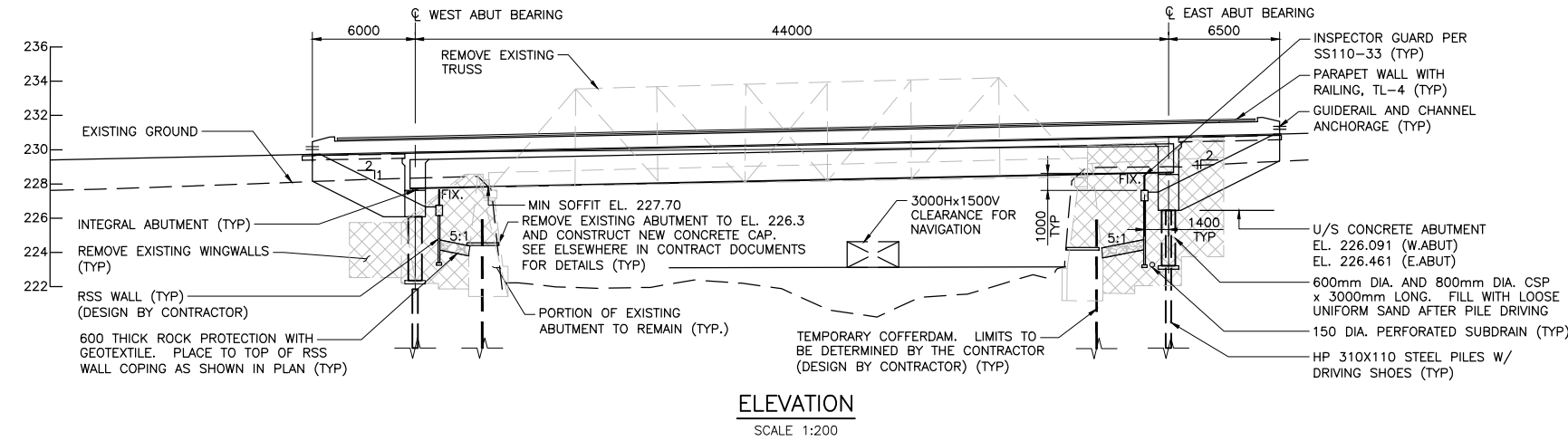
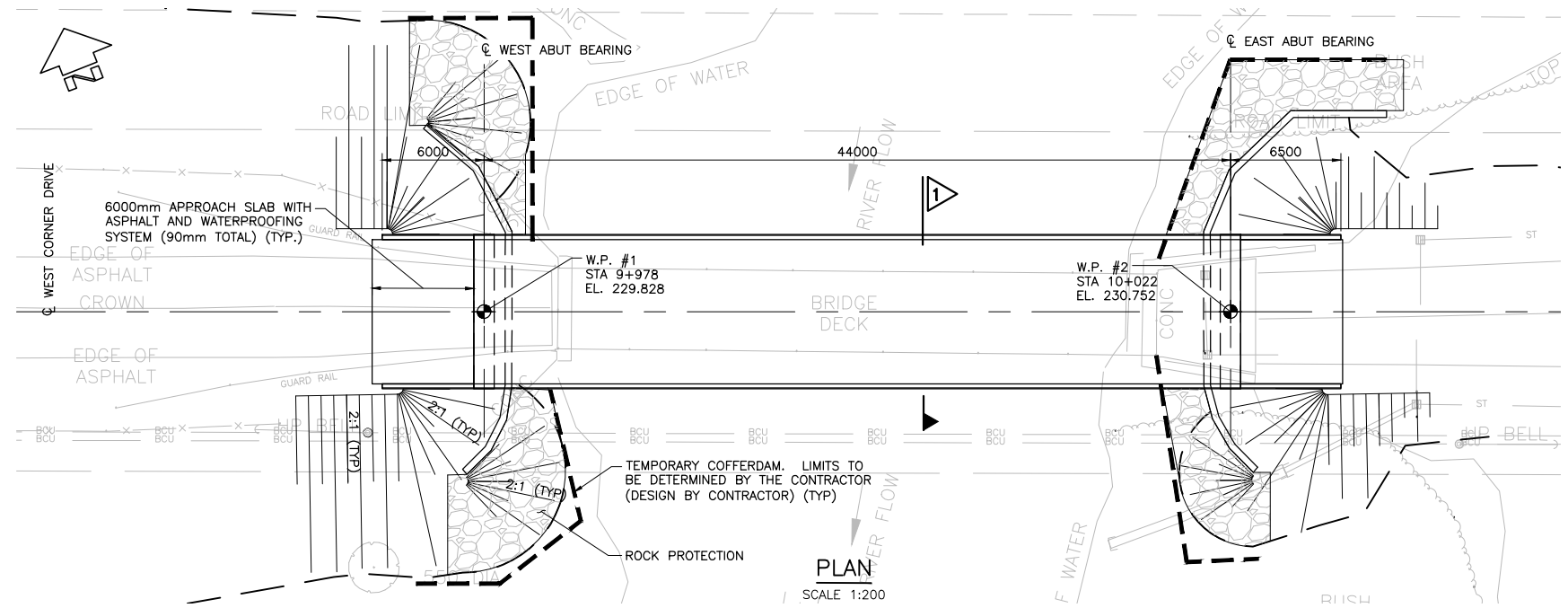


Appendix F

Preliminary General Arrangement

This content has not been made accessible as the required changes to make the content accessible would impact its legibility and technical requirements.

FILENAME: C:\PW\WORKING DIRECTORIES\PROJECTS\2020\YQAA\MS92371\2023\5-09-GAWING_PLOTTED BY: ALVES, JOHN
 PLOT DATE: 2022-02-16 @ 9:24:22 AM PLOT SCALE: 1:50.0 PLOT STYLE: MID_MONOCHROME_HALF_SIZE.CTB
 DILLON CONSULTING LIMITED 150 DUFFERIN AVENUE, LONDON, ONTARIO, M6A 5E2, PHONE (519) 438-6192, FAX (519) 672-8208



GENERAL NOTES

CLASS OF CONCRETE
 DECK 30 MPa
 REMAINDER (UNLESS OTHERWISE NOTED) 30 MPa

CLEAR COVER TO REINFORCING STEEL
 TOP OF DECK 70±20mm
 BOTTOM OF DECK 40±10mm
 REMAINDER UNLESS OTHERWISE NOTED 70±20mm

PROVIDE 20mm CHAMFER AT ALL EXPOSED EDGES.

REINFORCING STEEL
 REINFORCING STEEL SHALL BE GRADE 500W.
 UNLESS SHOWN OTHERWISE, TENSION LAP SPLICES SHALL BE CLASS B.
 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.
 BAR MARKS WITH PREFIX 'S' DENOTE STAINLESS STEEL BARS.
 STAINLESS STEEL SHALL BE 316LN OR DUPLEX 2205 AND HAVE A MINIMUM YIELD STRENGTH OF 500 MPa, UNLESS OTHERWISE SPECIFIED.

GLASS FIBRE REINFORCED POLYMER (GFRP)
 GLASS FIBRE REINFORCED POLYMER REINFORCING BARS SHALL BE 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.

RETAINED SOIL SYSTEM (RSS)
 RETAINED SOIL SYSTEM WALLS SHALL HAVE THE FOLLOWING ATTRIBUTES:
 APPLICATION: NEAR VERTICAL
 PERFORMANCE: HIGH
 APPEARANCE: HIGH

CONSTRUCTION NOTES

- 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 500mm.
- CONSTRUCT ABUTMENT AND WINGWALLS TO THE BEARING SEAT ELEVATIONS. THE CONTRACTOR SHALL SUPPLY TEMPORARY LATERAL BRACING OF THE ABUTMENT. FORMWORK AND LATERAL BRACING SHALL NOT BE REMOVED UNTIL CONCRETE HAS REACHED 70% OF IT'S SPECIFIED 28-DAY STRENGTH.
- NO BACKFILL SHALL BE PLACED BEHIND THE ABUTMENTS UNTIL DECK CONCRETE HAS REACHED 70% OF ITS DESIGN STRENGTH.

APPLICABLE STANDARD DRAWINGS

OPSD-3101.150	WALLS-ABUTMENT, BACKFILL MINIMUM GRANULAR REQUIREMENT
OPSD-3370.100	DECK, WATERPROOFING HOT APPLIED ASPHALT MEMBRANE WITH PROTECTION BOARD
OPSD-3370.101	DECK, WATERPROOFING HOT APPLIED ASPHALT MEMBRANE AT ACTIVE CRACKS GREATER THAN 2mm WIDE AND CONSTRUCTION JOINTS
OPSD-3390.100	DECK DRIP CHANNEL
OPSD-3419.100	BARRIERS AND RAILINGS, STEEL GUIDE RAIL AND CHANNEL ANCHORAGE
MTOD-3941.210	FIGURES IN CONCRETE, SITE NUMBER AND DATE LAYOUT

LIST OF ABBREVIATIONS

W.P. WORKING POINT
 T/P TOP OF PAVEMENT

METRIC
 DIMENSIONS ARE IN METRES AND/OR MILLIMETRES UNLESS OTHERWISE SHOWN
 DRAWING NOT TO BE SCALED
 100 mm ON ORIGINAL DRAWING

Conditions of Use
 Verify elevations and/or dimensions on drawing prior to use. Report any discrepancies to Dillon Consulting Limited.
 Do not scale dimensions from drawing.
 Do not modify drawing, re-use it, or use it for purposes other than those intended at the time of its preparation without prior written permission from Dillon Consulting Limited.

PRELIMINARY



DESIGN	BTW	REVIEWED BY	BRC
DRAWN	JAA	CHECKED BY	BTW
DATE	2022-02-16		
SCALE			
No.	ISSUED FOR	DATE	BY

BLACK'S BRIDGE		PROJECT NO.	20-3135
PRELIMINARY GENERAL ARRANGEMENT		SHEET NO.	01