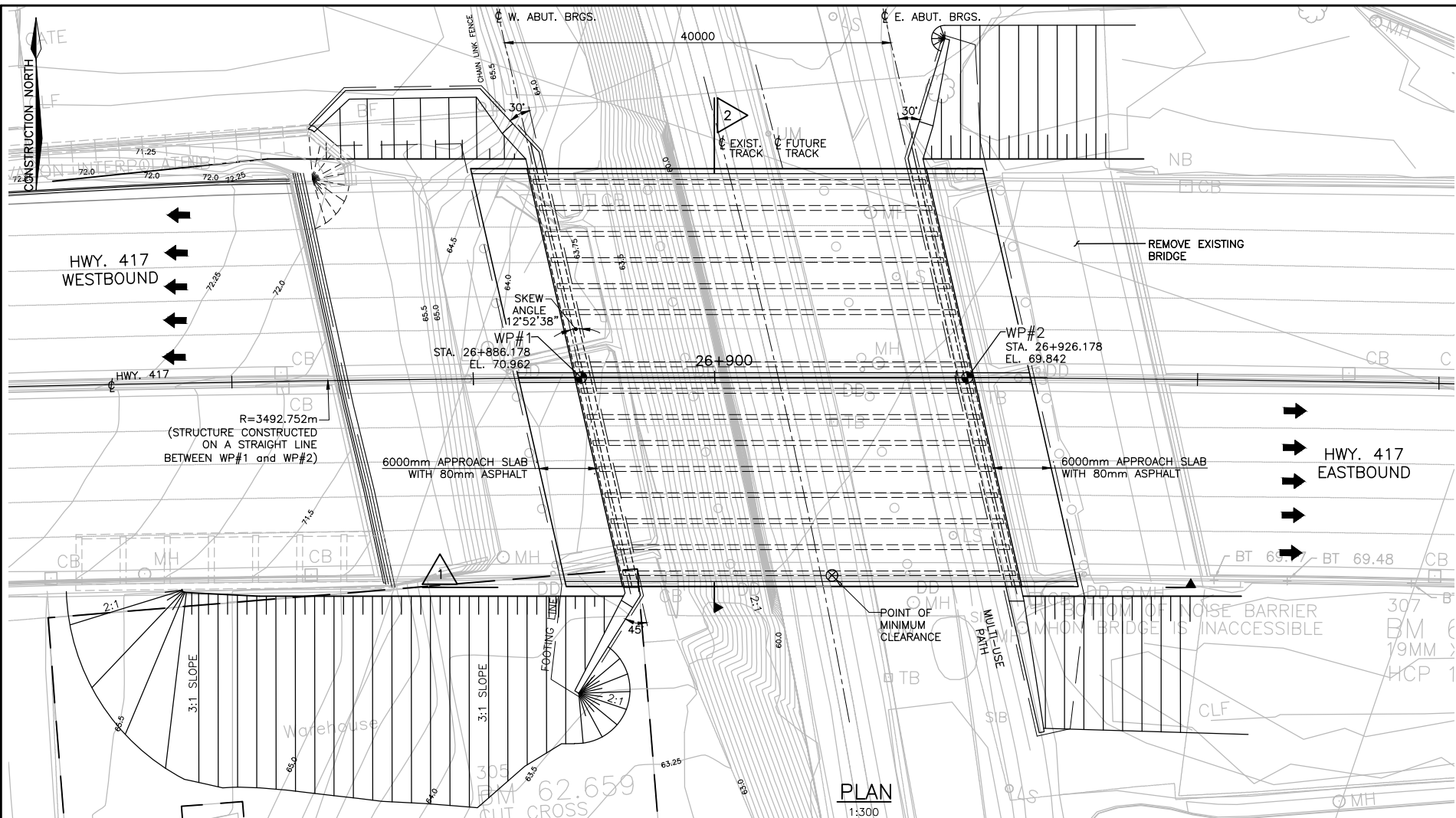


APPENDIX

D

GENERAL
ARRANGEMENT
DRAWINGS

Y:\34 16014 HWY 417 CPR (O-TRAIN BRIDGE REPLACEMENT)\34 16014 Hwy 417 CPR [O-TRAIN BRIDGE REPLACEMENT]\34 16014 Hwy 417 CPR O-Train Main Structure Contract\34 16014 - 01 GA.dwg, 13/03/2018 2:30:00 PM, DWG To PDF.pc3
 CAD FILE LOCATION AND NAME: Y:\34 16014 HWY 417 CPR [O-TRAIN BRIDGE REPLACEMENT]\34 16014 Hwy 417 CPR O-Train Main Structure Contract\34 16014 - 01 GA.dwg
 MODIFIED: 3/13/2018 2:28:42 PM BY: MASONP
 DATE PLOTTED: 3/13/2018 2:30:16 PM BY: MASONP



WORKING POINT COORDINATES (m)			
LOCATION	STATION	NORTHING	EASTING
WP#1	26+886.024	5029472.144	366411.382
WP#2	26+926.024	5029485.007	366449.257

NOTE:
 SKEW ANGLE IS MEASURED FROM A LINE PERPENDICULAR TO THE STRAIGHT LINE JOINING WP#1 AND WP#2

- CONSTRUCTION NOTES:**
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF THE WORK AND ALL DETAILS ON SITE AND REPORT ANY DISCREPANCIES TO THE CONTRACT ADMINISTRATOR BEFORE PROCEEDING WITH THE REPAIR WORK. THE CONTRACTOR SHALL ADJUST DIMENSIONS OF THE WORK AS REQUIRED TO SUIT EXISTING CONDITIONS.
 - 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 THE GIVEN WITH THE BEARING DATA, THE CONTRACTOR SHALL ADJUST THE REINFORCING STEEL TO SUIT.
 - AT NO TIME SHALL THE DIFFERENCE IN HEIGHT OF BACKFILL BEHIND THE EAST AND WEST DECK ENDS BE GREATER THAN 500mm.
 - ALL EXPOSED EDGES TO RECEIVE A 20x20 CHAMFER.

- LIST OF DRAWINGS:**
- GENERAL ARRANGEMENT
 - STAGING AND REMOVALS
 - BOREHOLE LOCATIONS
 - SOIL STRATA
 - ~~MASS STRUCTURAL CONCRETE NOT USED~~
 - WEST and EAST FOUNDATION GEOMETRY
 - WEST and EAST FOUNDATION REINFORCEMENT
 - WEST ABUTMENT WALL GEOMETRY
 - WEST ABUTMENT WALL REINFORCEMENT I
 - WEST ABUTMENT WALL REINFORCEMENT II
 - WEST ABUTMENT WALL REINFORCEMENT III
 - EAST ABUTMENT WALL GEOMETRY
 - EAST ABUTMENT WALL REINFORCEMENT
 - MISCELLANEOUS RETAINING WALLS NOT USED
 - STRUCTURAL STEEL I
 - STRUCTURAL STEEL II
 - DECK GEOMETRY PLAN, SECTION and DETAILS
 - DECK REINFORCEMENT
 - SCREED ELEVATIONS
 - NOISE BARRIER DETAILS
 - BARRIER WALL WITHOUT RAILING, TL-5 S.S. REBAR
 - 6000mm APPROACH SLAB
 - STANDARD DETAILS
 - EMBEDDED WORK

DISTRICT
 CONT. No.
 WP No. 4245-05-00

OTAWA QUEENSWAY
 CPR/O-TRAIN OVERHEAD

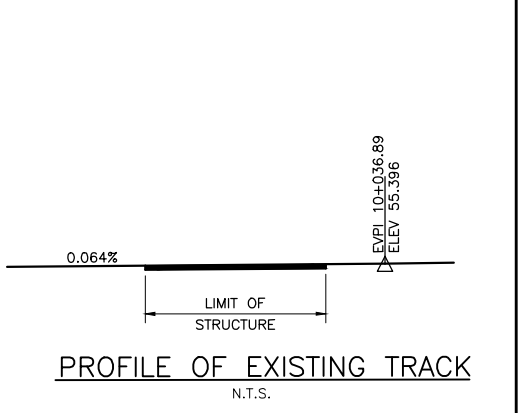
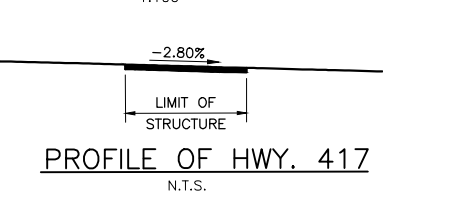
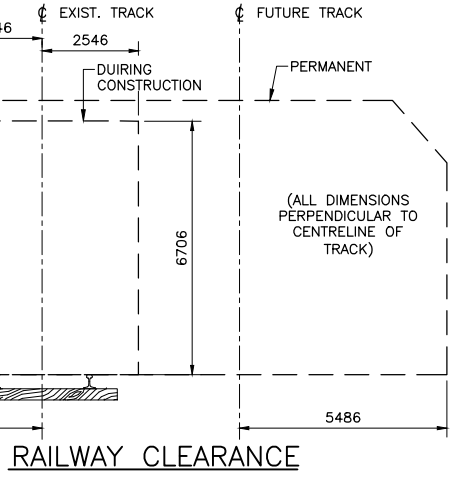
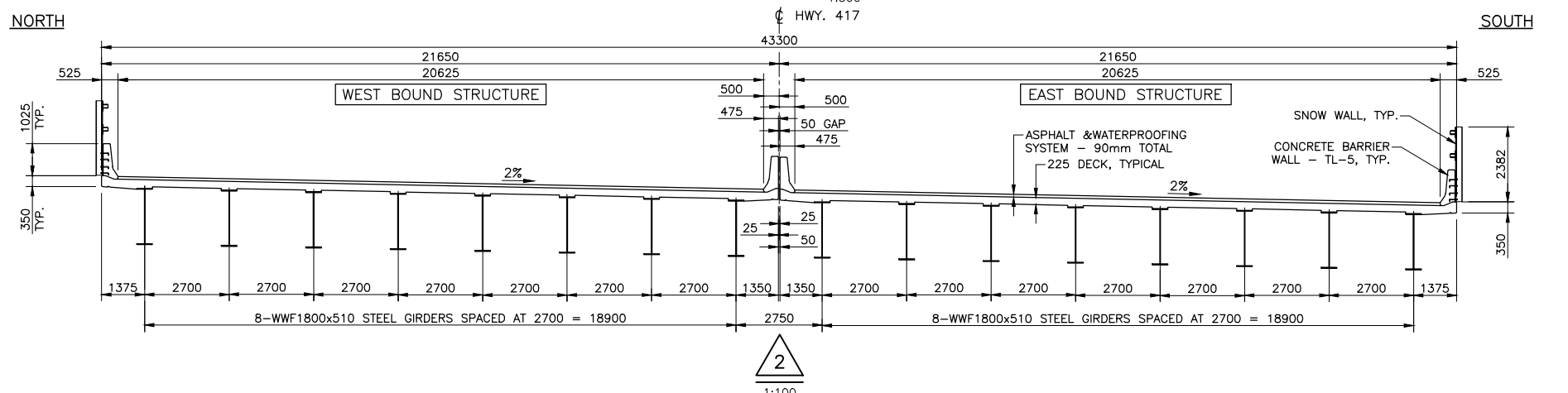
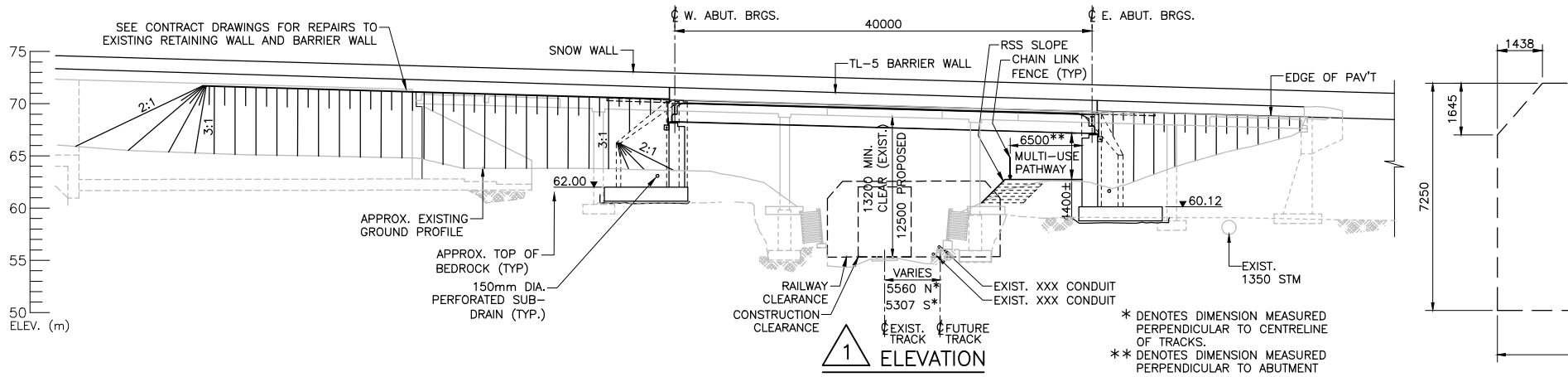
GENERAL ARRANGEMENT (40m SPAN)

wsp

SHEET

METRIC

- GENERAL NOTES:**
- ALL DIMENSIONS ARE BASED ON THE ORIGINAL DRAWINGS OF THE EXISTING BRIDGE BY THE DEPARTMENT OF HIGHWAYS ONTARIO, APRIL 1961 WP No. 938-59 AND BY MINISTRY OF TRANSPORTATION ONTARIO, AUGUST 1982, WP No. 175-06.
 - DESIGN STANDARDS AND CODES:
 DESIGN CODE: CAN/CSA-S6-14 AND SUPPLEMENTS
 MTO STRUCTURAL MANUAL
 ONTARIO PROVINCIAL STANDARD SPECIFICATIONS
 - LIVE LOAD: CL-625 ONT
 - CLASS OF CONCRETE: ALL CONCRETE.....30MPa
 - CLEAR COVER TO REINFORCING STEEL:
 FOOTING BOTTOM.....100±25
 TOP AND SIDES.....70±20
 COLUMNS.....70±20
 DECK TOP.....70±20
 DECK BOTTOM.....40±10
 REMAINDER.....70±20 UNLESS OTHERWISE NOTED
 - REINFORCING STEEL SHALL BE GRADE 400W UNLESS OTHERWISE SPECIFIED.
 - UNLESS SHOWN OTHERWISE, TENSION LAP SPLICES SHALL BE CLASS B.
 - BAR MARKS WITH PREFIX 'S' DENOTE STAINLESS STEEL BARS.
 - STAINLESS REINFORCING STEEL SHALL BE TYPE 316 LN OR DUPLEX 2205 AND HAVE A MINIMUM YIELD STRENGTH OF 500 MPa, UNLESS OTHERWISE SPECIFIED.
 - 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.
 - ALL DIMENSIONS ARE IN MILLIMETERS ALL ELEVATIONS AND STATIONS ARE IN METERS UNLESS OTHERWISE SHOWN



- APPLICABLE STANDARD DRAWINGS:**
- OPSD 911.3810 GUIDE RAIL SYSTEM, CONCRETE BARRIER PERMANENT TRANSITION INSTALLATION, ROADSIDE CONCRETE BARRIER TO STRUCTURE
 - OPSD 911.3820 GUIDE RAIL SYSTEM, CONCRETE BARRIER DOWEL CONNECTION DETAIL
 - 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 3419.100 BARRIERS AND RAILINGS STEEL GUIDE RAIL AND CHANNEL ANCHORAGE
 - OPSD 3941.200 FIGURES IN CONCRETE - SITE NUMBER AND DATE LAYOUT

PRELIMINARY
 13 MAR 2018
NOT FOR CONSTRUCTION

DRAWING NOT TO BE SCALED
 100mm ON ORIGINAL DRAWING

REVISIONS		DESCRIPTION	
DESIGN	FJP	CHK	FJP
DRAWN	PCM	SITE	3-54
		STRUCT	
		SCHEME	
		DWG	1