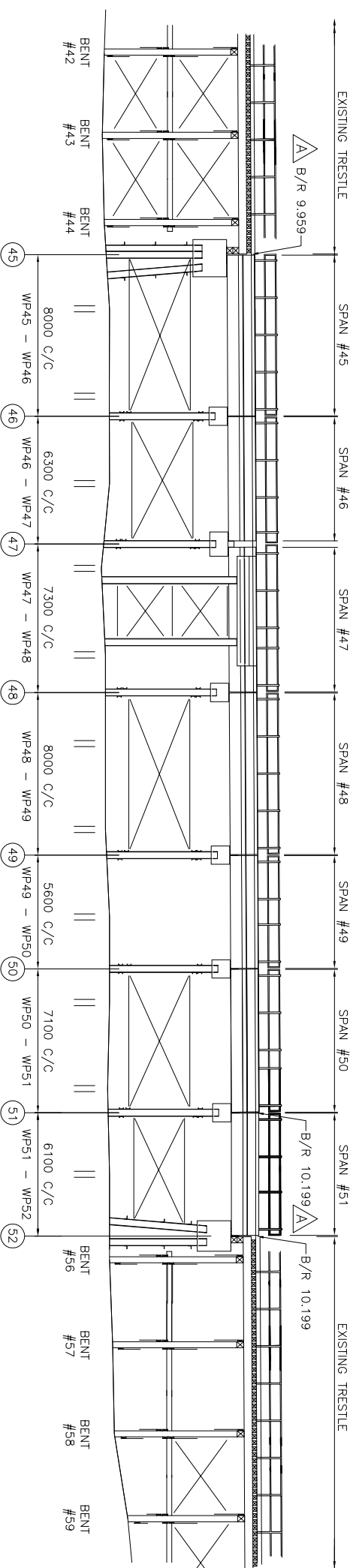
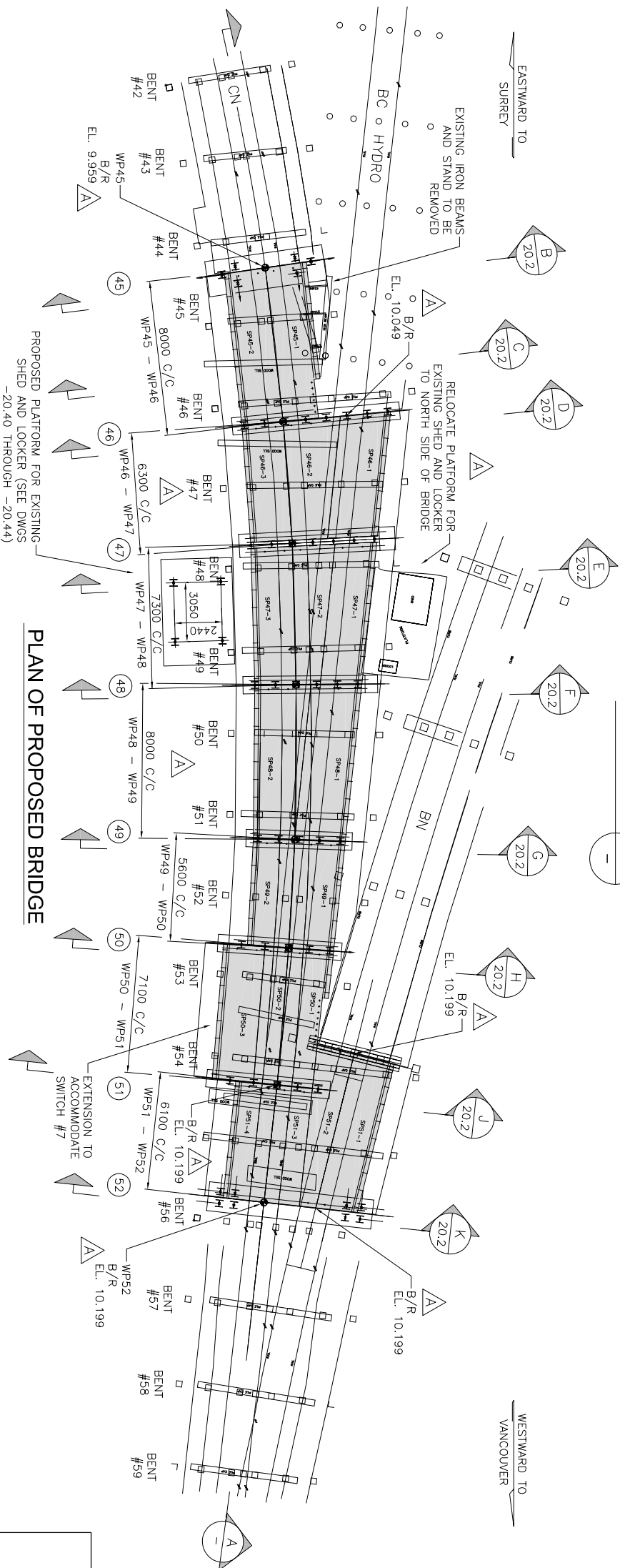


ELEVATION OF EXISTING BRIDGE



SECTION



GENERAL NOTES:

- THE EXISTING TIMBER TRESTLES BETWEEN BENT # 44 AND # 56 ARE TO BE REPLACED WITH PRECAST PRESTRESSED CONCRETE DOUBLE VOIDED BOX GIRDER SPANS SUPPORTED ON CAST IN PLACE CONCRETE PIER CAPS WITH STEEL H PILES.
- TRACK ALIGNMENT AND BASE OF RAIL PROFILE SHALL REMAIN THE SAME.
- ALL DIMENSIONS IN METRIC EXCEPT AS NOTED
- DESIGN LOAD: LIVE LOAD COPPER E90 + DIESEL IMPACT
- CONCRETE DECK SHALL BE FULLY WATERPROOFED WITH SBS WATERPROOFING SYSTEM AS PER CN STANDARD SPECIFICATIONS. REFERENCE CN STANDARD DRAWINGS: C11 AND C12 DATED FEBRUARY 2006.
- MATERIAL SPECIFICATIONS:
 - AREMA (2007) CHAPTER 8 AND 15
 - DESIGN AND WORKMANSHIP: CSA CAN3 - G40.21 350W
 - STRUCTURAL STEEL: CSA CAN3 - A23.1/A23.2 -04
 - CONCRETE: CSA CAN3 - G30.18-92
 - REINFORCING STEEL: ASTM A325, M22, TYPE3
 - H.S. BOLTS: CSA CAN3 - W59-03
 - WELDING: CSA G164-1998
 - GALVANIZING: CSA G164-1998
- NEAREST STATION: MACDONALD, MI. 113.8 YALE SUBDIVISION
- BENCH MARK: ELEVATIONS ARE GEODETIC AND HAVE BEEN DERIVED FROM MONUMENT 92H0894 WITH AN ELEVATION OF 2.967 METERS.

REFERENCE:

REPORT ON GEOTECHNICAL DRILLING INVESTIGATION AT CN MILE 140.8 BNSF BRIDGE COMPLETED BY BGSF ENGINEERING INC. FEBRUARY 9, 2007. PROVIDED BY BNSF MARCH 17, 2008

GEOTECHNICAL EVALUATION REPORT COMPLETED BY BGSF ENGINEERING INC. APRIL 30, 2008

SURREY PLAN OF FRASER RIVER BRIDGE APPROACH COMPLETED BY MANSON PECK & TOPLISS SURVEYOR & ENGINEERS DATED JANUARY 15, 2008

BNSF ISSUED FOR TENDER DRAWING SET FOR BRIDGE REPLACEMENT - PHASE I MILE 140.8 LINE SEGMENT 56 DATED JUNE 9, 2003

SENIOR STRUCTURAL ENGINEER

FRASER RIVER BRIDGE

NEW WESTMINSTER, B.C.

PHASE I - APPROACH REPLACEMENT BENTS #46 TO #56
GENERAL LAYOUT SHEET 1 OF 2

Design	WC	Prepared	Checked	Scale	Date
Drawn	WC	Conception	Verification	1:25	08/06/12

Office of Chief Engineer
Bureau de l'ingénieur en chef

