JOINT NOTES:

- GUARDRAILS HAVE BEEN DESIGNED TO MEET THE CRITERIA FOR CONTAINMENT LEVEL CL-2 AS DEFINED BY THE MINISTRY. GUARDRAILS HAVE NOT BEEN DESIGNED TO CONTAIN ERRANT VEHICLES.
- MAXIMUM POST SPACING = 3.048 m (10 feet).
- FOR GUARDRAIL ANCHOR DETAILS, SEE MINISTRY STANDARD DRAWINGS:
  - STD-EC-030-09 - COMPOSITE PRECAST DECK PANEL
  - STD-EC-040-08 - NON-COMPOSITE PRECAST DECK PANEL
  - STD-EC-070-03 - PRECAST CONCRETE SLAB DETAILS (SHEET 1)

MATERIALS:

- STEEL: RAILS AND POSTS
  - TO CSA G40.21M,
  - GRADE 350W (COATED)
  - GRADE 350A (UNCOATED)
  - OR TO ASTM A500 GRADE C (COATED)
  - A847 (UNCOATED)

- PLATE TO CSA G40.21M
  - GRADE 350W (COATED)
  - GRADE 350A (UNCOATED)
  - GRADE 300W (COATED)

- STEEL FABRICATION:
  - WELDING:
    - SHOP WELDING IN ACCORDANCE WITH CSA W59 FABRICATOR TO BE CERTIFIED FOR DIVISION 1, 2 OR 3 IN ACCORDANCE WITH CSA W47.1.
    - FIELD WELDING BY COMPANY CERTIFIED TO CSA W47.1, DIVISIONS 1, 2 OR 3.
    - MIN. 6mm FILLET WELD UNLESS OTHERWISE NOTED.

- GUARDRAIL BRACKETS AND POST COATING TO BE EITHER:
  - PAINTED IN ACCORDANCE WITH MINISTRY STEEL GUARDRAIL COMPONENT PAINT STANDARD:
  - HSS RAIL TO BE PAINTED SAFETY YELLOW IN ACCORDANCE WITH MINISTRY STEEL GUARDRAIL COMPONENT PAINT STANDARD:

- HARDWARE:
  - BOLTS TO ASTM A307 GRADE B GALVANIZED.