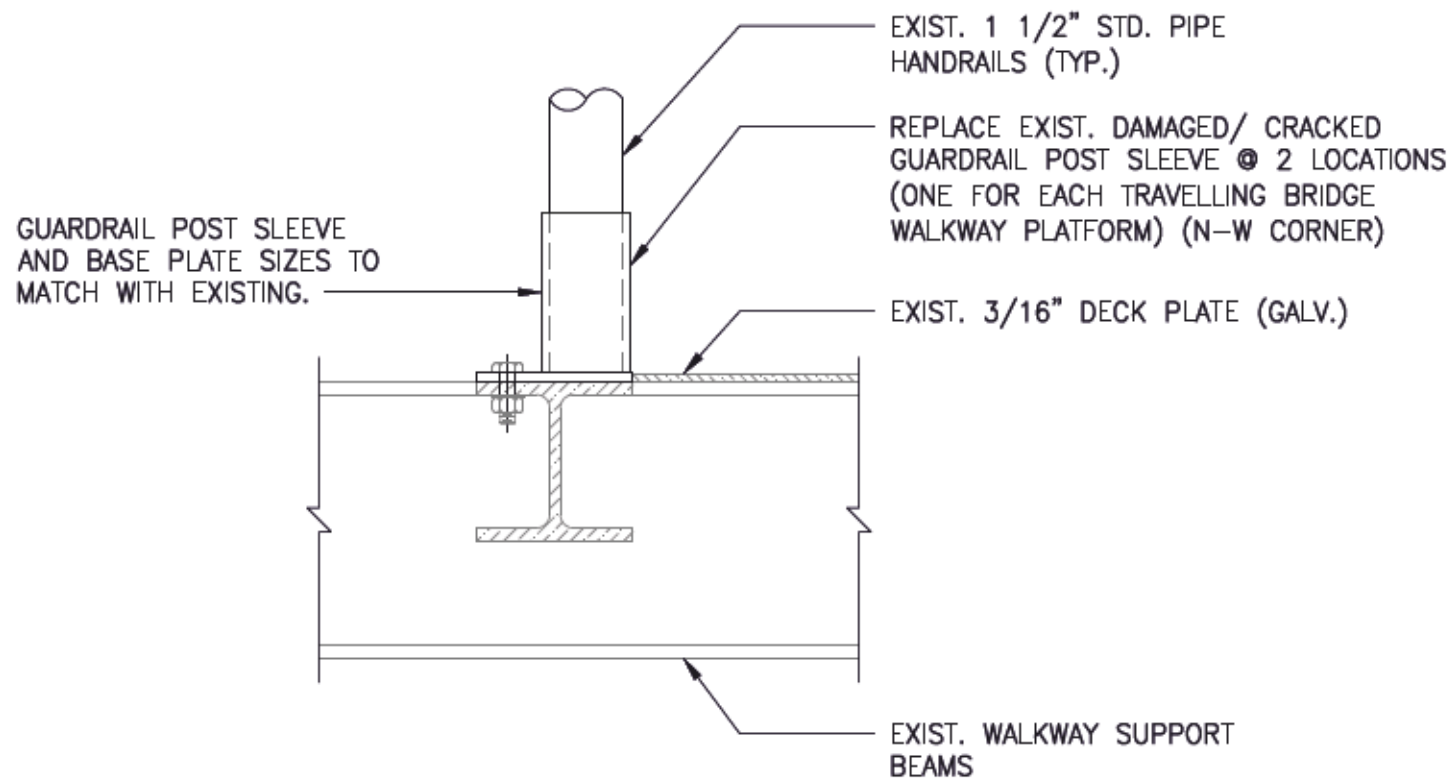


**PLAN - PRIMARY CLARIFIER TRAVELLING BRIDGE (1&2) WALKWAY**

SCALE: N.T.S.  
(BRIDGE STRUCTURAL STEEL MEMBERS NOT SHOWN FOR CLARITY)



**SECTION A-A**

SCALE: N.T.S.

**GUARDRAIL PAINTING**

- TRAVELLING BRIDGES 1&2 GUARDRAILS SHALL BE REPAINTED. PAINT COLOR TO MATCH EXISTING.
- GUARDRAIL SWING GATE LOCATED AT SOUTHEAST CORNER OF CONCRETE TANKS REQUIRES PAINT TOUCH-UPS, ESTIMATED PAINT AREA IS 0.2m<sup>2</sup>.

**TRAVELLING BRIDGES SUPPORT STEEL PAINT TOUCH-UP**

- ESTIMATED PAINT TOUCH-UPS FOR PRIMARY CLARIFIER TRAVELLING BRIDGE 1&2 SUPPORT STEEL IS 4m<sup>2</sup>.
- PAINT TOUCH-UP LOCATIONS FOR TRAVELLING BRIDGES SUPPORT STEEL SHALL BE IDENTIFIED BY CONTRACT ADMINISTRATOR ONCE THE BRIDGES ARE DOCKED FOR MAINTENANCE.

**NOTE 1:**

ONCE BRIDGES ARE PARKED IN DRY DOCK FOR MAINTENANCE, WELD REPAIR LOCATIONS SHALL BE CONFIRMED BASED ON THIRD PARTY ASSESSMENT OF EXISTING WELDS/CONNECTIONS.

**STRUCTURAL AND MISCELLANEOUS STEEL:**

1. STRUCTURAL AND MISCELLANEOUS STEEL FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH CAN/CSA S16 (2014).
2. STRUCTURAL STEEL SHALL MEET THE REQUIREMENTS OF CAN/CSA G40.20/G40.21 (2013).

ROLLED SHAPES & PLATES    CSA G40.21-300W  
STANDARD PIPE                ASTM A53-12  
BOLTS, NUTS, & WASHERS    ASTM A325-14  
WELDING ELECTRODES        CSA W48-14

3. WELDING SHALL BE IN ACCORDANCE WITH CSA W59 (2013), BY WELDERS CERTIFIED AND QUALIFIED IN ACCORDANCE WITH CSA W47.1-09 (R2014). ALL WELDS TO BE 6mm UNLESS NOTED OTHERWISE.
4. FIELD CONNECTIONS SHALL BE BOLTED 19mm DIAMETER A325 BEARING TYPE UNLESS NOTED OTHERWISE. BOLTS SHALL BE TIGHTENED IN ACCORDANCE WITH CSA S16 (2014).
5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.
6. STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE FINISHED AS INDICATED BELOW, UNLESS OTHERWISE NOTED, OR APPROVED EQUAL:

**INTERIOR STEEL (FIELD PAINTING)**

- PREPARE SURFACE ACCORDING TO SSPC-SP-3 POWER TOOL CLEANING.
- PAINT: BAR RUST 235 SURFACE TOLERANT EPOXY BY INTERNATIONAL OR APPROVED EQUIVALENT

**GALVANIZED STEEL**

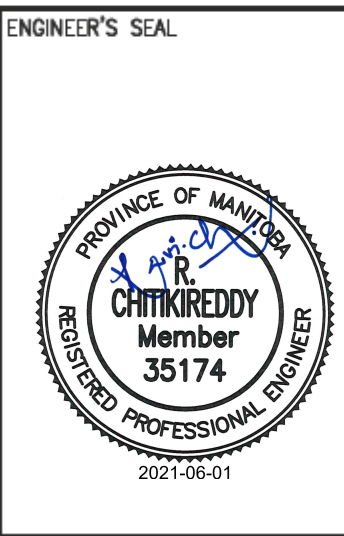
- SURFACE PREP. TO SP8 (PICKLING)
- HOT DIPPED GALVANIZED TO ASTM A123-13

7. COLOUR OF STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE AS FOLLOWS:
  - STRUCTURAL STEEL - MATCH WITH EXISTING
  - HANDRAILS - MATCH WITH EXISTING
8. FIELD TOUCH-UP WITH ZINC-RICH COATING, GALVANIZING SOLDER TO MATCH GALVANIZED STEEL. ACCEPTABLE PRODUCT: ZINGA, GAL-VIZ OR APPROVED EQUAL.
9. FIELD TOUCH-UP PAINT TO CONNECTIONS, WELDS, BURNED OR DAMAGED SURFACES, AND UNFINISHED SURFACES AT COMPLETION OF ERECTION AND SHALL MATCH THICKNESS AS SPECIFIED.
10. PAINTED SURFACES OF EXISTING STEEL SHALL BE GROUND SMOOTH TO BARE METAL PRIOR TO FIELD WELDING.



NO.				REVISIONS			
ISSUED FOR CONSTRUCTION				2021/06/01			
RC				CMS			
DATE				DESIGN/CHECK			

DESIGNED BY:				CHECKED BY:			
R. CHITIKIREDDY				C. SIEPMAN			
DRAWN BY:				APPROVED BY:			
E. MALANG				C. SIEPMAN			
SCALE:				ISSUED FOR CONSTRUCTION			
AS NOTED				BY:			
DATE:				T. TURZAK			
2021/05/13				DATE:			
2021/06/01				CONSULTANT NO.:			
21-0107-003_S01							



THE CITY OF WINNIPEG			
WATER AND WASTE DEPARTMENT			
SOUTH END SEWAGE TREATMENT PLANT (SEWPCC)			
PRIMARY CLARIFIERS REFURBISHMENT WORKS			
PRIMARY CLARIFIERS BRIDGES 1 & 2			
STRUCTURAL			
PLAN & SECTIONS			
CITY DRAWING NUMBER			
1-0102-SGAD-P002			
SHEET			
001			
REV.			
00			
SIZE			
A1			