

Certificate of Authorization

SNC-Lavalin Inc.

No. 4489

00 ISSUED FOR TENDER, BID OPP. 767-2016

NO. REVISIONS

PUMP STATION SECTIONS

PUMP STATION FLOOR PLANS

PUMP STATION SUPERSTRUCTURE

REFERENCE DRAWINGS

B-5515-7

B-5515-6

B-5515-5

DRAWING NUMBER

- ALL STRUCTURAL STEEL ANGLES AND PLATES TO BE IN ACCORDANCE WITH CSA G40.21 GRADE 300W, ALL OTHERS MEMBERS TO BE GRADE
- DETAILING, FABRICATION AND ERECTION TO BE IN ACCORDANCE WITH
- . INSTALL ANCHORS IN ACCORDANCE WITH MANUFACTURES INSTRUCTIONS.
- WELDING SHOPS TO BE CERTIFIED TO DIVISION 1 OR 2 OF CSA W47.1 BY THE CANADIAN WELDING BUREAU. ALL WELDING TO BE PERFORMED BY

- ALL SHOP WELDING SHALL CONFORM TO CSA W59. CONTRACTOR TO BE CERTIFIED IN ACCORDANCE WITH CSA W47.1, DIVISION 1 OR 2.
- ALL WELDS TO BE CONTINUOUS FILLET OR GROOVE SEAL WELDS. GROOVE WELDS TO BE DETAILED AS FULL PENETRATION WELDS WITH
- ALL LADDER COMPONENTS, SUPPORT CHANNELS AND ANGLES ARE TO BE HOT DIPPED GALVANIZED FINISHESS TO MATCH EXISTING (EXCEPT
 - ALL GUARDRAILS AND RETURNS ARE TO BE SSPC-SP6 BLAST CLEANED THEN COATED WITH 'FORMULA 2' PER SPECIFICATION 099123.
- MAIN FLOOR WALLS AND CEILING ARE TO BE CLEANED AND REPAINTED

DESIGN OF BOLTED CONNECTIONS:

- DESIGN ALL BOLTED CONNECTIONS IN ACCORDANCE WITH CSA-S16 AND THE CISC CODE OF STANDARD PRACTICE FOR STRUCTURAL STEEL.
- ALL CONNECTIONS SHALL BE DESIGNED AND DETAILED BY THE STEEL FABRICATOR. CONNECTION CONFIGURATIONS SHALL (IN GENERAL) CONFORM WITH THE DETAILS PROVIDED. THE STEEL FABRICATOR SHALL ADVISE THE ENGINEER IN WRITING WHEN DEVIATION FROM THE APPROVED CONNECTION
- 3. OVERSIZED HEAVY DUTY 60mm DIA. x 5mm THICK HARDENED PLATE WASHERS REQUIRED AT ALL SLOTTED/BOLTED CONNECTION LOCATIONS.
- LOCATE EXISTING REINFORCING IN THE CONCRETE ELEMENTS TO RECEIVE POST-FACTO ANCHORAGE AND POSITION HOLES FOR THE NEW ANCHORS
- DRILL HOLES INTO THE EXISTING CONCRETE ADVANCING THE DRILL BIT TO FULL DEPTH OF REQUIRED ANCHORAGE. IF REINFORCEMENT IS ENCOUNTERED, TERMINATE DRILLING THE HOLE AND RELOCATE THE ANCHORAGE CLEAR OF THE REINFORCING. USE A STANDARD HARDENED CARBIDE TIPPED CONCRETE BIT, DO NOT USE A CORE DRILL THAT CAN
- ANCHORAGE HOLE LOCATIONS CANNOT BE FIELD ADJUSTED TO CLEAR THE EXISTING REINFORCING AND AWAIT FURTHER INSTRUCTIONS. THE SITE ENGINEER WILL REVIEW THE SITUATION AND MAKE A DETERMINATION REGARDING HOW BEST TO INSTALL THE ANCHORS, GIVEN THE ACTUAL

STRUCTURAL MODIFICATIONS

SHEET | REV. | SIZE

001 | 00 | A1

1-0310U-S0002-001-00.dwg

. ALL ANCHORS MUST BE INSTALLED PER MANUFACTURER'S

225 LB ANY DIRECTION ALL RAIL VERTICAL

CITY DRAWING NUMBER

1-0310U-S0002

ISSUED FOR CONSTRUCTION

BY: K. ZUREK

DATE: 2016/08/24

DATE: 2016/05/25

CONSULTANT NO.:

| 2016/08/23 | KK | DC

DATE DESIGN CHECK

2016/08/24

REV. 00