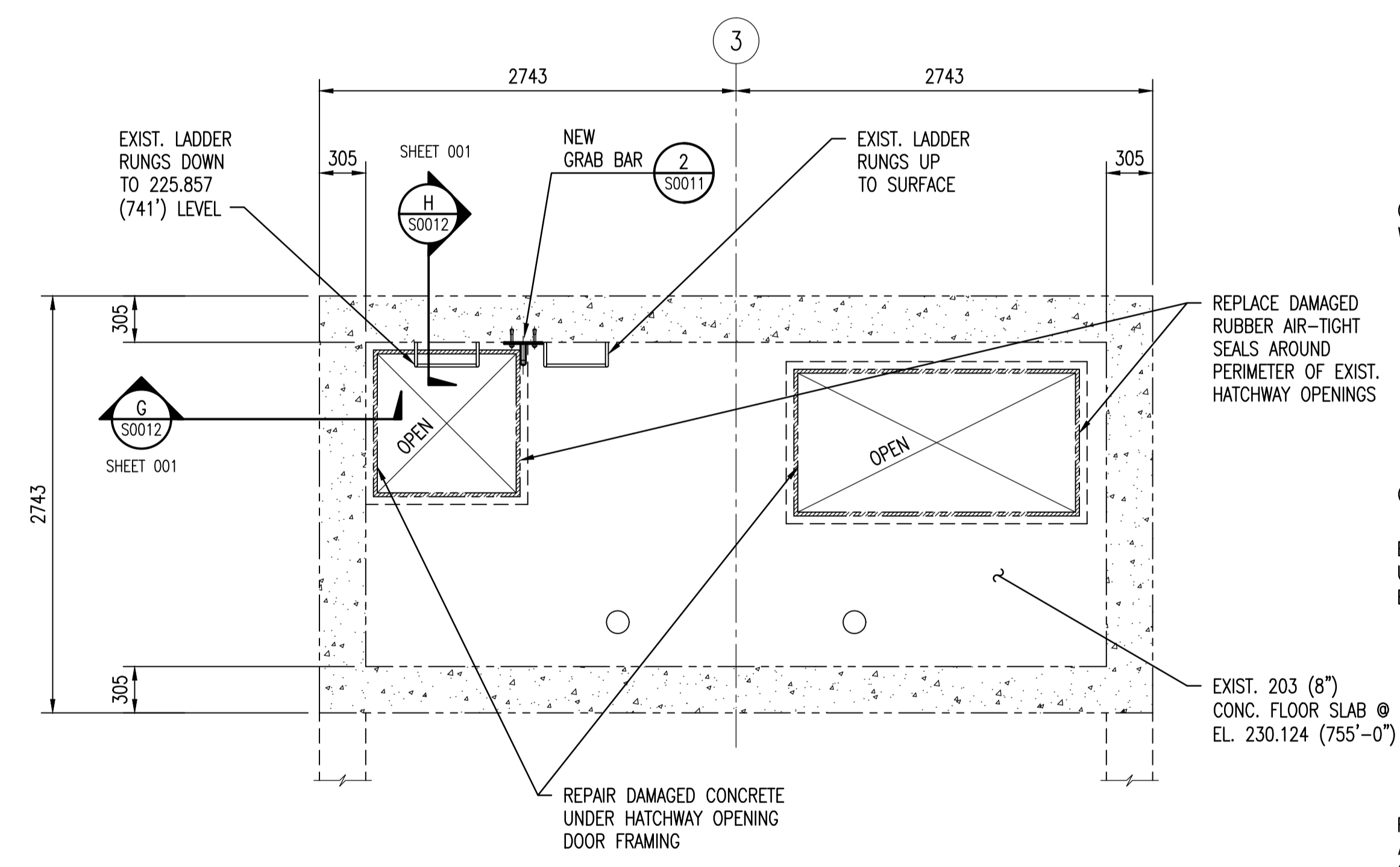


**A** SECTION - INLET STRUCTURE ROOF (EXISTING)  
 SCALE: 1 : 30  
 (SEE DRAWING 1-0102G-S0012 SHEET 002 FOR ROOF SLAB MODIFICATIONS)

**C** SECTION - ABOVE EL. 225.857 (741'-0")  
 SCALE: 1 : 30



**B** SECTION - ABOVE EL. 230.124 (755'-0")  
 SCALE: 1 : 30  
 HATCH DOORS NOT SHOWN FOR CLARITY

**D** SECTION - ABOVE EL. 219.608 (720'-6")  
 SCALE: 1 : 30  
 NEW WORKS SHOWN HATCHED ONLY - MIN. CONC. THICKNESS = 100mm.

**GENERAL NOTES:**

- THESE NOTES ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION.
- THESE NEW INSTALLATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA 2005 AND AS REVISED BY THE MANITOBA BUILDINGS AND MOBILE HOMES ACT (C.C.S.M.C. B93) REGULATION 127/2006.
- REFERENCE OR COMPLIANCE WITH A STANDARD SHALL MEAN REFERENCE TO THE CURRENT EDITION OF THAT STANDARD AS WELL AS SUPPLEMENTS AND ALL DOCUMENTS REFERENCED THEREIN UNLESS REFERENCE TO A SPECIFIC DOCUMENT VERSION IS MADE.
- THE CONTRACTOR SHALL COMPLY WITH ALL HEALTH AND SAFETY REQUIREMENTS AND REGULATIONS FOR THE PROVINCE OF MANITOBA.
- THE DRAWINGS SHOW THE COMPLETED STRUCTURAL SYSTEM; THEY DO NOT SHOW WHICH MAY BE NECESSARY FOR SAFETY DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY IN AND AROUND THE JOB SITE.
- ALL WORK IN THE FIELD TO INCORPORATE PROPER SAFETY PRECAUTIONS TO ENSURE THE SAFETY OF THE WORKERS AND PREVENT DAMAGE TO ALL EXISTING EQUIPMENT AND STRUCTURES.
- DO NOT SCALE DRAWINGS
- VERIFY ALL DIMENSIONS, ELEVATIONS AND EXTENT OF WORK WITH DRAWINGS AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE CONTRACT ADMINISTRATOR PRIOR TO PROCEEDING WITH CONSTRUCTION. DO NOT DIMENSION FROM ELECTRONIC DRAWINGS. REWORK OF ITEMS FABRICATED PRIOR TO IDENTIFICATION OF DISCREPANCIES AND/OR CONFLICTS SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
- LOCATE SERVICES AND PROTECT THEM AT ALL TIMES DURING CONSTRUCTION.
- STRUCTURAL INTEGRITY OF EXISTING STRUCTURES TO BE MAINTAINED DURING CONSTRUCTION.
- REPORT ANY UNSOUND CONDITIONS OBSERVED OR CREATED IMMEDIATELY TO THE CONTRACT ADMINISTRATOR.
- MODIFICATIONS, ALTERATIONS, OR SUBSTITUTIONS MUST BE AUTHORIZED IN WRITING BY THE CONTRACT ADMINISTRATOR PRIOR TO ANY FABRICATION OR ERECTION.
- ALL CONTRACTOR MEANS AND METHODS, INCLUDING TEMPORARY SCAFFOLDING SHALL BE ERECTED AND REMOVED BY AN APPROPRIATELY EXPERIENCED INSTALLATION CONTRACTOR IN ACCORDANCE WITH MANITOBA REGULATION 217/2006. SCAFFOLDING TO BE DESIGNED AND APPROVED FOR USE IN ACCORDANCE WITH SECTION 28 OF 217/2006.

**STRUCTURAL STEEL:**

- ALL STRUCTURAL 304 S.S. SHAPES AND PLATES TO CONFORM TO AISA 430 & ASTM A276.
- ALL 304 S.S. TUBING TO CONFORM TO ASTM A269.
- DETAILING, FABRICATION AND ERECTION TO BE IN ACCORDANCE WITH CAN/CSA-S16-01.
- ALL WELDING TO CONFORM TO CSA W47.1 & W59.
- INSTALL ANCHORS IN ACCORDANCE WITH MANUFACTURERS 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 CWB CERTIFIED WELDERS.
- SUBMIT 3 PRINTS OF EACH STEEL SHOP DRAWING FOR REVIEW PRIOR TO FABRICATION AND ERECTION. SHOP DRAWINGS TO BE SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF MANITOBA, CANADA INDICATING DESIGN RESPONSIBILITY FOR CONNECTIONS AND DETAILING, WHERE APPLICABLE.

**FIELD ANCHORING:**

- LOCATE EXISTING REINFORCING IN THE CONCRETE ELEMENTS TO RECEIVE POST-FACTO ANCHORAGE AND POSITION HOLES FOR THE NEW ANCHORS CLEAR OF THE EXISTING REINFORCING.
- 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 INTERCEPT AND CUT THE EXISTING REINFORCING.
- ADVISE THE CONTRACT ADMINISTRATOR IMMEDIATELY IF THE REQUIRED 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 POSITIONS OF THE REINFORCING ENCOUNTERED.

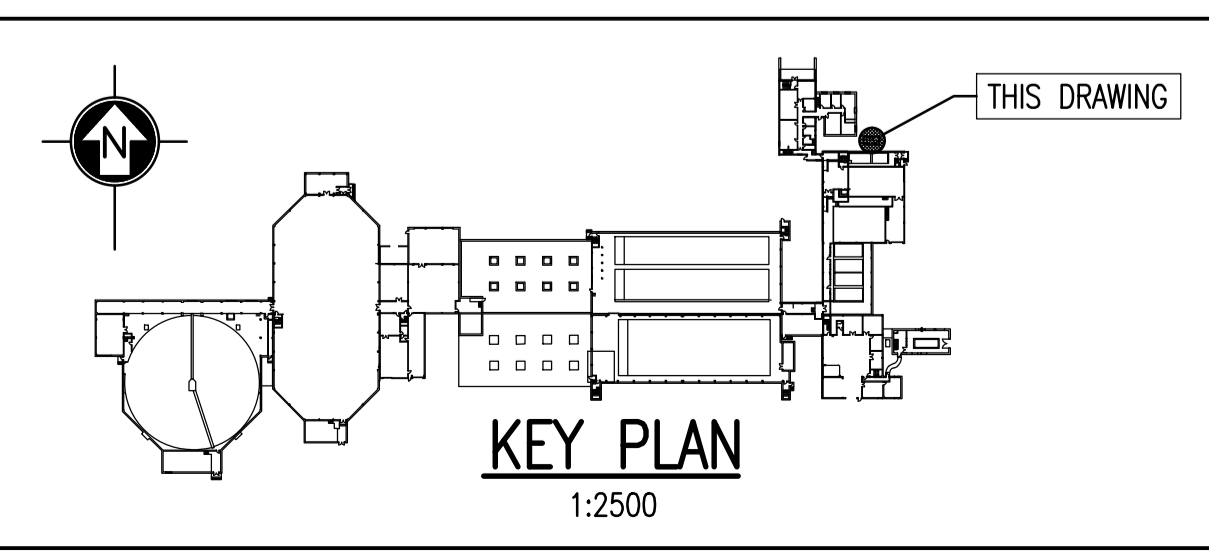
**LADDER NOTE:**

UPON COMPLETION OF THE WORK SHOWN IN THIS DRAWING AND PRIOR TO DEMOBILIZING FROM SITE, PROVIDE ASSISTANCE TO THE CONTRACT ADMINISTRATOR AS NECESSARY TO REVIEW THE CONDITIONS OF THE LADDERS IN THE INLET STRUCTURE.

SEP-35	PUMP & SCREEN BLDG. STRUCTURAL CAST-IN-SITU ALT. SECTION
SEP-34	PUMP & SCREEN BLDG. STRUCTURAL CAST-IN-SITU ALTERNATIVE PLANS
SEP-29	PUMP & SCREEN BLDG. STRUCTURAL INTAKE STRUCTURAL DETAILS
SEP-21	PUMP & SCREEN BLDG. ARCH. FLOOR PLANS ELEV. 774',782',796'
SEP-20	PUMP & SCREEN BLDG. ARCH. FLOOR PLAN ELEV. 764' BLDG. ELEV'S.
SEP-19	PUMP & SCREEN BLDG. ARCH. FLOOR PLANS ELEV. 709',715',733',755'
SEP-03	STRUCT. TYP. PILE CAPS, CONCRETE DETAILS & GENERAL NOTES
DRAWING NUMBER	REFERENCE DRAWINGS

1m 0.5m 0 0.5m 1m 1.5m  
 1 : 30

**APEGM**  
 Certificate of Authorization  
**SNC-Lavalin Inc.**  
 No. 4489



00	ISSUED FOR TENDER	2010/10/01	DSS	RCB
NO.	REVISIONS	DATE	DESIGN	CHECK

**SNC-Lavalin Inc.**  
 148 Nature Park Way  
 Winnipeg, MB, Canada R3P 0X7  
 204-786-8080  
 DESIGNED BY: D. S. SIDHU  
 DRAWN BY: B. F. DICKSON  
 SCALE: 1:30  
 DATE: 2010/06/01  
 CONSULTANT NO.: 112577-0112-42DD-0030  
 CHECKED BY: R. C. BEAN  
 APPROVED BY: C. J. REIMER  
 RELEASED FOR CONSTRUCTION BY: J. VEILLEUX  
 DATE: 2010/10/01

ENGINEER'S SEAL

ORIGINAL DRAWING SEALED BY:  
 D. S. SIDHU  
 SNC-Lavalin Inc.  
 MEMBER #24837  
 2010/10/01  
 REV. 00

**THE CITY OF WINNIPEG**  
 WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE  
 HEADWORKS UPGRADES  
 PLANS  
 INLET STRUCTURE

CITY DRAWING NUMBER: 1-0102G-S0010  
 SHEET: 001  
 REV: 00  
 SIZE: A1

1-0102G-S0010-001-00.DWG