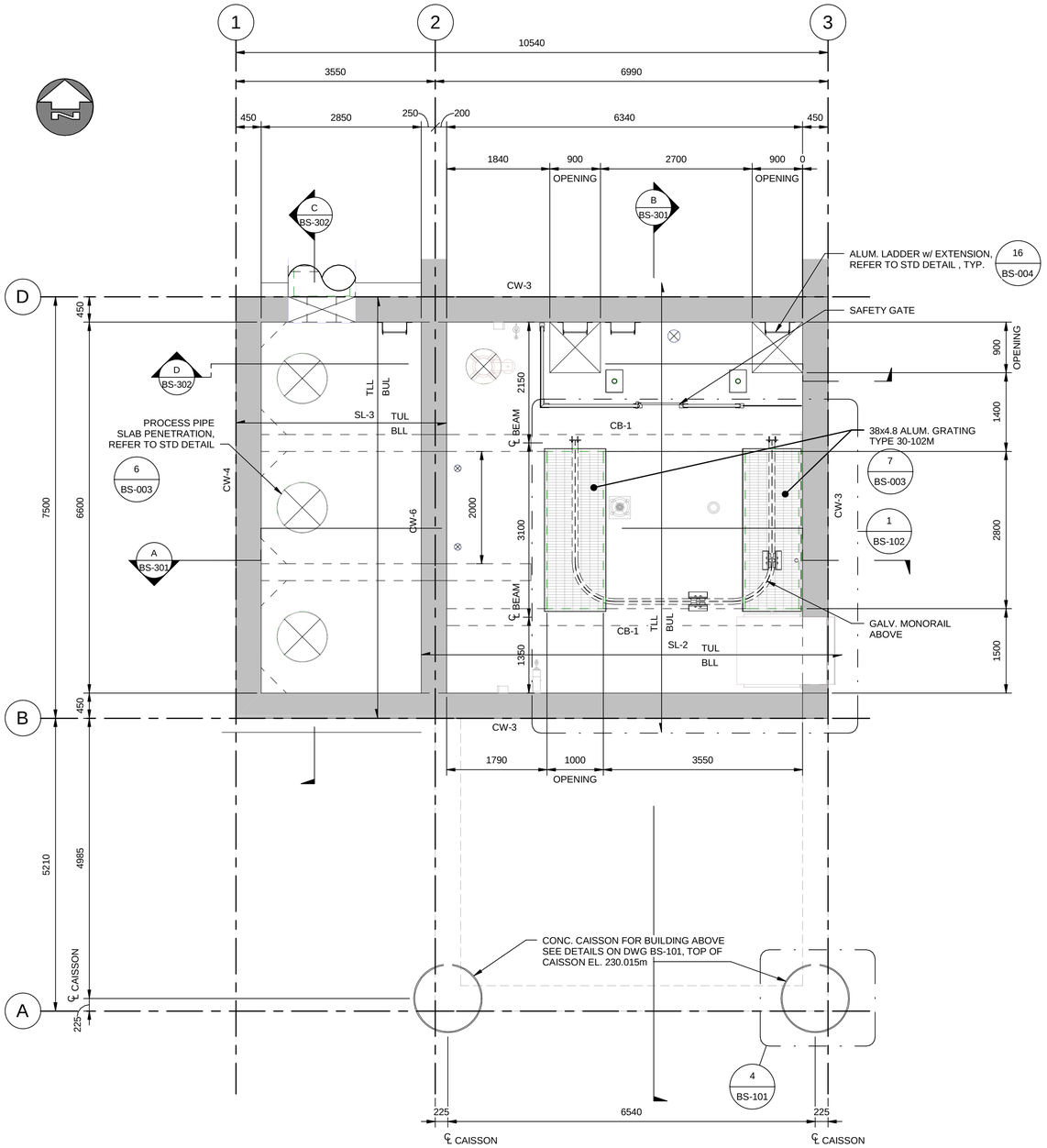
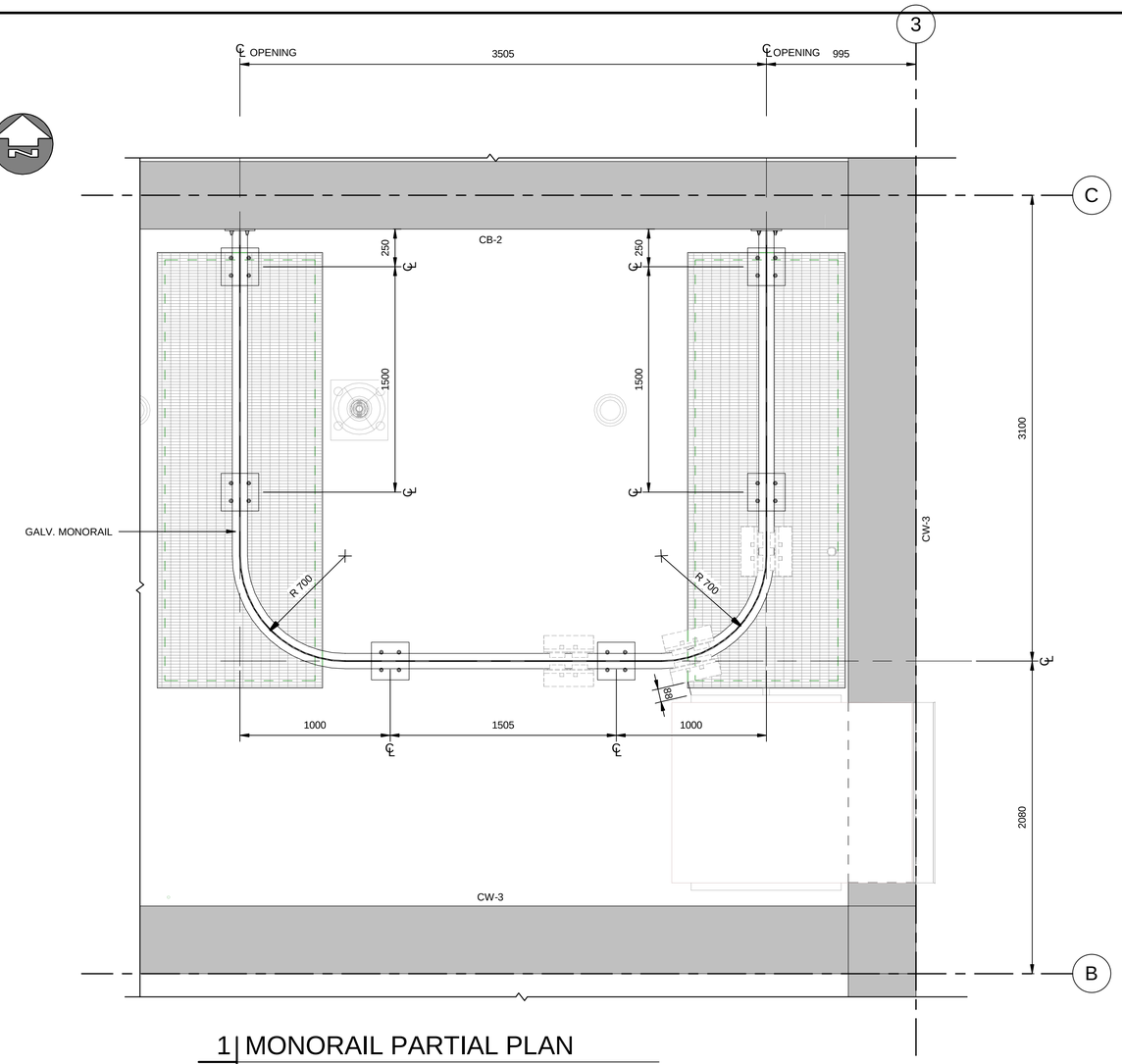


5 | INTERMEDIATE LEVEL

BS-102 SCALE: 1 : 50

INTERMEDIATE LEVEL DESIGN LOADS (UNFACTORED)		
DEAD LOADS	STRUCTURE SELF WEIGHT	
LIVE LOADS	INTERMEDIATE LEVEL FLOOR	9.6 kPa
EARTH LOADS	LATERAL EARTH PRESSURE	(6+15H) kPa (H=DEPTH OF SOIL
	SOIL UNIT WEIGHT	21 kN/m3



1 | MONORAIL PARTIAL PLAN

BS-102 SCALE: 1 : 20

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM
Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date:_____

UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES DATE

LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THEIR LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. ELEV.

NO.	REVISIONS	DATE	BY
O	ISSUED FOR TENDER	17/01/09	KK

AECOM

DESIGNED BY	KK/JT	CHECKED BY	SBB
DRAWN BY	KK	APPROVED BY	AN
HOR. SCALE / VERTICAL	AS SHOWN	RELEASED FOR CONSTRUCTION	
DATE	06/01/2016	DATE	09/06/2016

ENGINEER'S SEAL
PROVINCE OF MANITOBA
J.A. THOMPSON
Member
30632
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT PROJECT NUMBER
60321148

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

WAVERLEY STREET UNDERPASS AT CN MILE 3.89 RIVERS SUB
CONTRACT 2: UNDERPASS STRUCTURE, RAILWORKS, ROADWORKS, LAND DRAINAGE SEWER, PUMPING STATION AND LANDSCAPING WORKS

PUMPING STATION
INTERMEDIATE LEVEL PLAN & DETAILS

CITY DRAWING NUMBER
U-239-2016-C2-BS-102

SHEET 8 OF 16

CONSULTANT DRAWING NUMBER
C2-BS-102

P:\60321148\900-Work\910-CAD\99-SUPPORT\PROJECT_TITLE_BLOCKS\Title Block for Pump Station works\163353-XTB-C1-CU.dwg