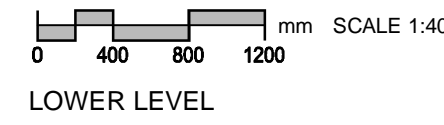


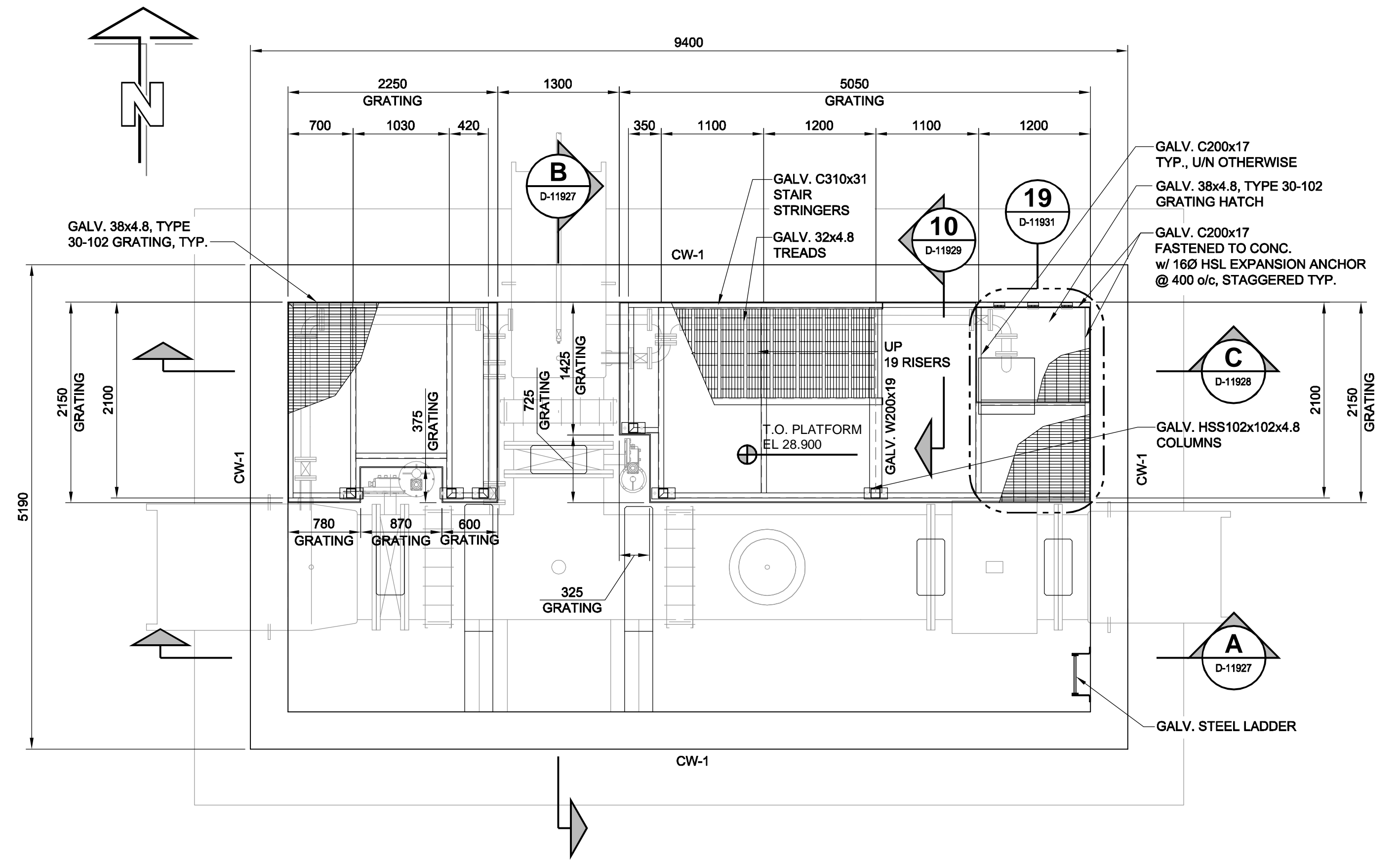
PLAN



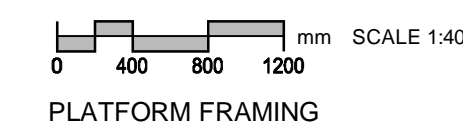
LOWER LEVEL

NOTE:

* CONFIRM SIZE AND LOCATION OF PIPE & VALVE SUPPORTS & THRUST BLOCK WITH CONTRACT ADMINISTRATOR PRIOR TO CONSTRUCTION



PLAN



PLATFORM FRAMING

CONCRETE SLAB SCHEDULE					
MARK	DEPTH	REINFORCING BAR DETAILS			REMARKS
		TOP	BOTTOM	ADD'L	
CS-1	500	25M @ 300 o/c E.W.	25M @ 300 o/c E.W.		
CS-2	300	20M @ 300 o/c E.W.	20M @ 300 o/c E.W.		
CS-3	150		15M @ 300 o/c E.W.		c/w PENETRATING SEALER

CONCRETE WALL SCHEDULE					
MARK	DEPTH	REINFORCING BAR DETAILS			REMARKS
		VERTICAL	HORIZONTAL	ADD'L	
CW-1	400	20M @ 300 o/c E.W.	20M @ 300 o/c E.W.	20M @ 300 o/c E.W.	ADDITIONAL REINFORCING AS NOTED ON DRAWINGS

DESIGN LOADS (UNFACTORED)		
DEAD LOADS	STRUCTURE SELF WEIGHT PLUS	
	PROCESS PIPES AND VALVES, AND STEEL PLATFORMS	
LIVE LOADS	LOWER LEVEL BASE SLAB	9.6 kPa
	PLATFORMS & GRATING	9.6 kPa
	STAIRCASE	4.8 kPa
	UPPER LEVEL FLOOR SLAB	9.6 kPa
	PIPE THRUST FORCE ON WEST WALL	370 kN
	PIPE THRUST FORCE ON SOUTH WALL	270 kN
EARTH LOAD	Ko	0.6
	SOIL UNIT WEIGHT	20 kN/m ³
	HEIGHT OF SOIL	4.4m
SNOW LOAD	BASED ON NBC OF CANADA 2005, POST-DISASTER IMPORTANCE CATEGORY, Is=1.25	Ss=1.9 kPa Sr=0.2 kPa
	BASED ON NBC OF CANADA 2005, POST-DISASTER IMPORTANCE CATEGORY, Iw=1.25	q(1/50) =0.45 kPa
WIND LOAD		

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPR. U/G STRUCTURES COMMITTEE DATE
NOTE: 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 THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.



AECOM Canada Ltd.
No. 4671 Date: FEB. 08, 2010

NO.	REVISIONS	YYMMDD	BY
0	ISSUED FOR CONSTRUCTION	10/02/08	KK

DESIGNED BY	KK/GGP	CHECKED BY	GGP
DRAWN BY	KK	APPROVED BY	Bryan Weber
HOR. SCALE	1:40	RELEASED FOR CONSTRUCTION	KZ
VERT. SCALE	-	DATE	FEB. 9/10

PROFESSIONAL'S SEAL
ORIGINAL SIGNED BY
B.F. ABDUL WAHID
2010/02/08
CONSULTANT DRAWING NO.
D265-250-00_01-S-1001_RX.dwg

BID OPPORTUNITY NO. 16-2010

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

Winnipeg

BRANCH I AQUEDUCT VALVE CHAMBER AT McPHILLIPS STREET PUMPING STATION

STRUCTURAL LOWER LEVEL & PLATFORM FRAMING PLANS

SHEET 13 OF 28
CITY DRAWING NUMBER
D-11923
REV 0