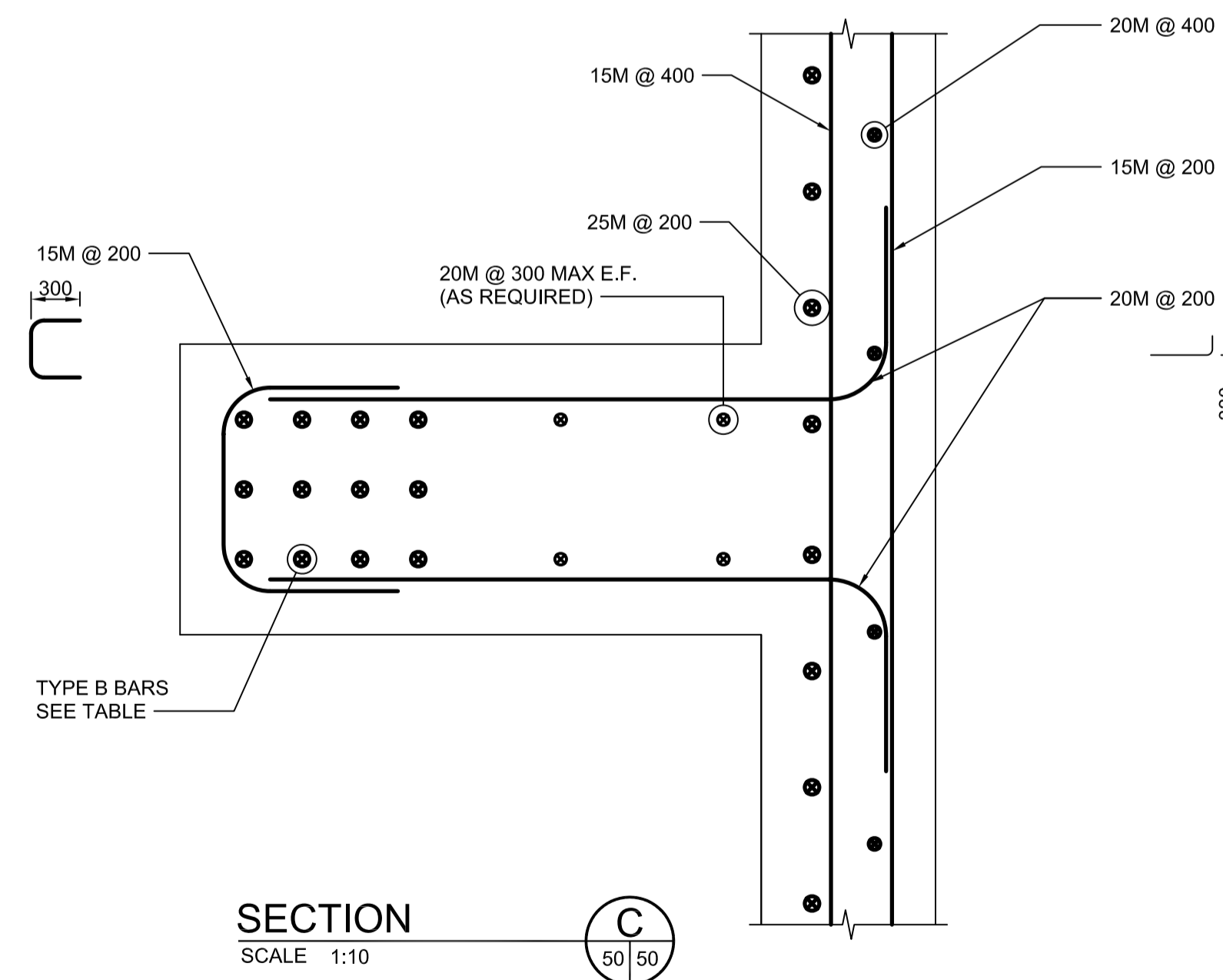
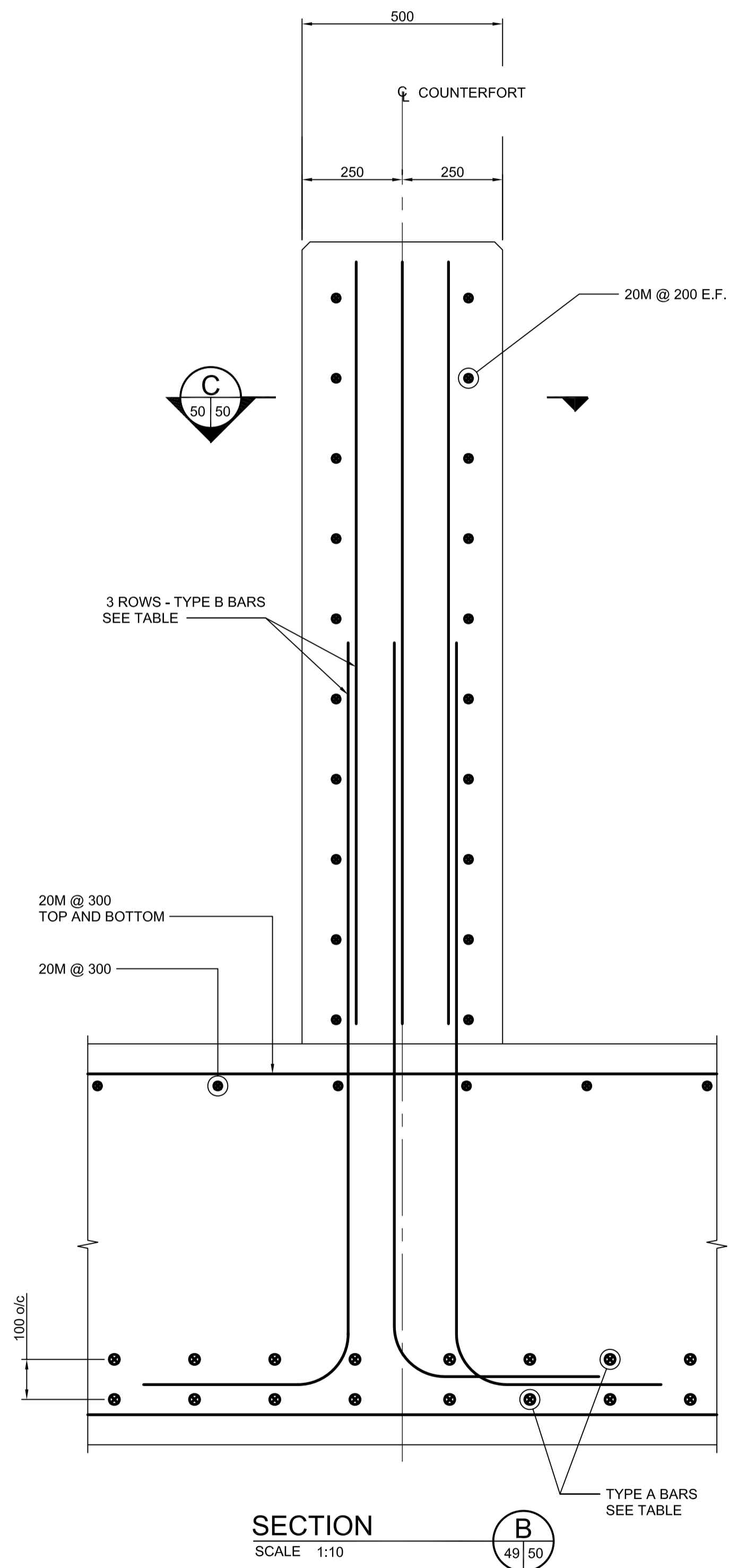


SEGMENT No.	TRACK SIDE							OPPOSITE TO TRACK SIDE				
	TYPE A		TYPE B		TYPE C			TYPE B		TYPE C		
	FOOTING DATA		COUNTERFORT ALTERNATIVE		TAPERED WALL ALTERNATIVE			COUNTERFORT ALTERNATIVE		TAPERED WALL ALTERNATIVE		
	(mm)	BAR SIZE	BAR SIZE	NO. OF LAYERS	BAR SIZE	NO. OF LAYERS	SPACING (mm)	BAR SIZE	NO. OF LAYERS	BAR SIZE	NO. OF LAYERS	SPACING (mm)
S1	1000	35	30	9	35	2	200	30	4	35	1	250
S2	1000	35	30	7	30	2	200	30	3	30	1	200
S3	900	35	30	5	30	2	200	25	4	35	1	300
S4	900	35	30	4	35	1	200	30	2	25	1	200
S5	800	30	25	4	30	1	200	20	4	30	1	300
S6	800	25	30	2	35	1	300	20	3	25	1	250
S7	800	25	25	2	25	1	200	30	1	20	1	200
S8	800	20	30	1	25	1	250	25	1	20	1	250
S9	800	20	25	1	20	1	200	25	1	20	1	200
S10	800	20	30	1	25	1	250	25	1	20	1	250
S11	800	20	25	1	20	1	200	25	1	20	1	200

SEGMENT No.	TRACK SIDE							OPPOSITE TO TRACK SIDE				
	TYPE A		TYPE B		TYPE C			TYPE B		TYPE C		
	FOOTING DATA		COUNTERFORT ALTERNATIVE		TAPERED WALL ALTERNATIVE			COUNTERFORT ALTERNATIVE		TAPERED WALL ALTERNATIVE		
	(mm)	BAR SIZE	BAR SIZE	NO. OF LAYERS	BAR SIZE	NO. OF LAYERS	SPACING (mm)	BAR SIZE	NO. OF LAYERS	BAR SIZE	NO. OF LAYERS	SPACING (mm)
N1	1000	35	30	9	35	2	200	30	2	25	1	200
N2	1000	35	30	7	35	2	250	30	2	25	1	200
N3	1000	35	30	6	30	2	200	30	2	25	1	200
N4	1000	35	30	5	30	2	200	20	4	30	1	300
N5	900	30	30	5	35	1	200	25	2	25	1	250
N6	900	30	30	4	35	1	200	20	3	25	1	250
N7	900	30	30	3	35	1	250	30	1	20	1	200
N8	900	30	25	4	30	1	200	30	1	20	1	200
N9	800	25	30	2	35	1	300	20	2	20	1	250
N10	800	25	20	4	25	1	200	25	1	20	1	250
N11	800	25	20	3	25	1	250	25	1	20	1	300
N12	800	25	30	1	20	1	200	25	1	20	1	300
N13	800	25	25	1	20	1	200	20	1	20	1	300



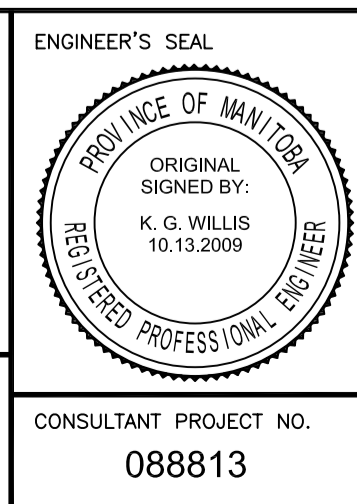
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LOCATION UNDERGROUND	APPROVED STRUCTURES	B.M. ELEV.	DESIGNED BY	KGW
SUPV. U/G STRUCTURES COMMITTEE	DATE		DRAWN BY	RCB
NOTE:			CHECKED BY	KGW
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS 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.			APPROVED BY	DPK
1	ISSUED WITH ADDENDUM #4	11/04/2009	RBC	
0	ISSUED FOR TENDER	10/13/2009	RCB	
NO.	REVISIONS	DATE	BY	DATE
				2009/06/24

HOR. SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION	DATE	
VERTICAL SCALE	AS SHOWN			

ENGINEER'S SEAL	PROVINCE OF MANITOBA ORIGINAL SIGNED BY: K. G. WILLIS 10-13-2009 REGISTERED PROFESSIONAL ENGINEER
CONSULTANT PROJECT NO.	088813



THE CITY OF WINNIPEG TRANSIT DEPARTMENT		CITY DRAWING NUMBER U237-09-50
SOUTHWEST RAPID TRANSIT CORRIDOR - STAGE 1 TRANSITWAY TUNNEL AT CN RIVERS SUBDIVISION MILEAGE 1.38 & ASSOCIATED WORKS		SHEET 50 OF 73
RETAINING WALL DETAILS SHEET 2 OF 2		CONSULTANT DRAWING NUMBER C4-S1127-T