BILL OF REINFORCING STEEL							BILL OF REINFORCING STEEL							BILL OF REINFORCING STEEL FOR TWO APPROACH SLABS						
MARK	TYPE	PIN DIAMETER	LENGTH	No.	MASS	BENDING DIAGRAM	MARK	TYPE	PIN DIAMETER	LENGTH	No.	MASS	BENDING DIAGRAM	MARK	TYPE	PIN DIAMETER	LENGTH	No.	MASS	BENDING DIAGRAM
R1001	BENT	65	1 030	54	87.32	054 054 054 055	R2003–5	BENT	120	1 135	6	16.04		A1001 A1501	STR BENT	95	4 680 4 895	4 76	14.70 584.07	215
R1501 R1502	STR BENT	95	13 380 2 180	70 67	1 470.46 229.31		R2003-6	BENT	120	915	6	12.93	835 	A1502 A1503	STR BENT	95	3 675 900	96 76	553.90 107.39	4 680
R1503	BENT	95	3 925	67	412.87		R2004	BENT	120	3 415	6	48.25	615 2 880 145	A1504	BENT	95	1 300	148	302.07	
R1504	BENT	95	1 515	54	128.44		R2005	BENT	120	3 195	6	45.15	2 660 145 145 145	A1505	BENT	95	1 585	120	298.61	900
R1505	BENT	95	1 975	54	167.44		R2006	BENT	120	905	6	12.79		A2001 A2501	STR BENT	120 120	7 500 5 045	80 120	1 413.00 2 376.20	
R2001	BENT	120	2 880	67	454.42		R2007-1	BENT	120	2 545	6	35.96	425							4 680
R2002	BENT	120	4 405	54	560.18		R2007-2	BENT	120	2 205	6	31.16				ORCING	STEEL	OTAL MAS	S OF REINF	FORCING STEEL: 5 649.94
2003–1	BENT	120	2 010	6	28.40	3 905	R2007–3	BENT	120	1 860	6	26.28		MARK B1501 B1502 B2001-1	TYPE STR STR STR	PIN DIAMETER	LENGTH 2 130 2 880 1 000	No. 66 48 4	MASS 220.71 217.04 9.42	BENDING DIAGRAM
2003–2	BENT	120	1 790	6	25.29	1 490	R2007-4	BENT	120	1 520	6	21.48	1 560 1 220	B2001-2 B2001-3 B2001-4 B2001-5 B2001-6	STR STR STR STR STR		950 900 850 800 750	4 4 4 4 4 4	8.95 8.48 8.01 7.54 7.07	
2003–3	BENT	120	1 570	6	22.18	1 270	R2007–5	BENT	120	1 175	6	16.60	875	B2001-7 B2001-8 B2001-9 B2001-10 B2001-11	STR STR STR STR STR		700 650 600 550 510	4 4 4 4 4 4	6.59 6.12 5.65 5.18 4.80	
2003–4	BENT	120	1 350	6	19.08	300	R2007–6	BENT	120	830	6	11.73		B2001-12 B2001-13 B2001-14 B2001-15	STR STR STR STR		460 410 360 310	4 4 4 4	4.33 3.86 3.39 2.92	
						1 050											T	OTAL MAS	S OF REINF	FORCING STEEL: 530.06
						CONTINUED→				T	OTAL MA	SS OF REI	NFORCING STEEL: 3 883.76 kg							

NOTE:

ENGINEERS GEOSCIENTISTS MANITOBA **Certificate of Authorization** WSP Canada Group Limite No. 6657

These design documents are prepared solely for the use by the party with whom the design professional has entered into a contract and there are no representations of any kind made by the design professional to any party with whom the design professional has not entered into a contract.

	LOCATIONS APPROVED UNDERGROUND STRUCTURES		 M. = TOP NUT OF FIRST HYDRANT SOUTH OF INTERS BETWEEN NESS AVENUE AND LINWOOD STREET V. = 233.659 				5))		STOLING STOLING		
	SIGNED BY: SUPV U/G STRUCTURES DATE							F+ 1 204-943-494 www.wsp.cor			
						DESIGNED BY	AG	CHECKED BY	MLW	A CAN	
	LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL					DRAWN CP		APPROVED BY	JL	CHED PRI	
ed	EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT CONFIRMATION OF EXISTANCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES					HOR. SCALE	N.T.S.	RELEASED FOR		CONSULTANT	
	BEFORE PROCEEDING	0	ISSUED FOR TENDER	17.11.23	JL	VERTICAL N.T.S.		CONSTRUCTION			
		No.	REVISIONS	DATE	BY	DATE	17.11.23	DATE		17M-	

