

BILL OF MISCELLANEOUS METAL FOR SLOPE PAVING

Mk.	No.	DESCRIPTION	SIZE	COMPONENT MASS	MASS PER UNIT	TOTAL MASS
P1	2	STEEL GRATE	AS DETAILED			45.01
		UNIT TO BE FABRICATED FROM:				
		GRATE	1 - PL 422 x 696, AS DETAILED	15.355	15.355	
		L BRACKET	1 - L64 x 64 x 6.4 FRAME, AS DETAILED	0.122	0.122	
			7 - 16ø x 100 LG, HEADED ANCOR, AS DETAILED	1.004	7.029	
			TOTAL		22.506	
P2	2	STEEL TREAD PLATE	AS DETAILED			806.97
		EACH UNIT TO BE FABRICATED FROM:				
		TREAD PLATE	1 - PL 19 x 3 700 x 725, AS DETAILED	400.095	400.095	
		L BRACKET	2 - L76 x76 x 6.4, AS DETAILED	0.211	0.423	
			14 - STEEL ANCHOR 25 x 6, AS DETAILED	0.034	0.473	
		FLAT HEAD SOCKET CAP SCREWS	24 - 13ø x 50 LONG WITH NUT AND WASHER, GALVANIZED			
			AS DETAILED	0.104	2.496	
			TOTAL		403.487	
TOTAL MASS						851.99 kg

BILL OF MISCELLANEOUS METAL FOR EXPANSION JOINTS

Mk.	No.	DESCRIPTION	SIZE	COMPONENT MASS	MASS PER UNIT	TOTAL MASS
E1	2	SIDEWALK UNIT - COMPLETELY GALVANIZED	AS DETAILED			80.87
		EACH UNIT TO BE FABRICATED FROM:				
		PLATE Mk. "JP5"	1 - PL 10 x 234, 1 100 LONG, AS DETAILED	20.206	20.206	
		PLATE Mk. "JP6"	1 - PL 10 x 220, 1 100 LONG, AS DETAILED	18.997	18.997	
		STUD ANCHOR Mk. "JA1"	16 - NELSON HEADED CONCRETE ANCHOR, 12ø TYPE H4L, 50 LONG, AS DETAILED	0.077	1.232	
			TOTAL		40.435	
E2	2	CURB UNIT - COMPLETELY GALVANIZED	AS DETAILED			683.23
		EACH UNIT TO BE FABRICATED FROM:				
		PLATE Mk. "JP3"	1 - PL 12 x 725 x 820, AS DETAILED	55.992	55.992	
		PLATE Mk. "JP4"	1 - PL 12 x 440 x 820, AS DETAILED	33.972	33.972	
		PLATE Mk. "JP7"	1 - PL 12 x 420 x 165, AS DETAILED	6.528	6.528	
		PLATE Mk. "JP8"	1 - PL 12 x 420 x 165, AS DETAILED	27.952	83.856	
		PLATE Mk. "JP9"	1 - PL 12 x 400, AS DETAILED	27.952	83.856	
		PLATE Mk. "JP10"	1 - PL 12 x 400, AS DETAILED	21.004	63.012	
		STUD ANCHOR Mk. "JA2"	16 - NELSON HEADED CONCRETE ANCHOR, 19ø TYPE S3L, 150 LONG, AS DETAILED	0.600	9.600	
		STUD ANCHOR Mk. "JA3"	8 - NELSON HEADED CONCRETE ANCHOR, 19ø TYPE S3L, 150 LONG, AS DETAILED	0.600	4.800	
			TOTAL		341.616	
JP1	2	CHECKER PLATE - GALVANIZED	PL 12 x 720, 2 600 LONG, AS DETAILED	176.342		352.68
JP2	4	COVER PLATE - GALVANIZED	PL 12 x 25, AS DETAILED	6.123		24.49
JR1	10	FLAT HEAD SOCKET CAP SCREWS	15ø x 30 LONG, GALVANIZED	0.033		0.33
TOTAL MASS						1 141.61 kg

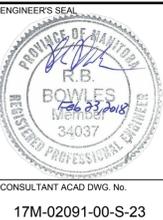
METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES



LOCATIONS APPROVED UNDERGROUND STRUCTURES			
SIGNED BY:	DATE	G.B.M. = -	ELEV. = -
SUPV U/G STRUCTURES			
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.			
0	ISSUED FOR TENDER	18.02.23	JL
No.	REVISIONS	DATE	BY

wsp
 WSP Canada Group Limited
 93 Lombard Avenue, Suite 111
 Winnipeg MB R3B 3B1
 T+ 1 204-943-3178
 F+ 1 204-943-4948
 www.wsp.com

DESIGNED BY	BB	CHECKED BY	WC
DRAWN BY	CP	APPROVED BY	JL
HOR. SCALE	###	RELEASED FOR CONSTRUCTION	
VERTICAL	###		
DATE	18.02.23	DATE	



THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION

Winnipeg

CHIEF PEGUIS TRAIL - GREENWAY EXTENSION

KILDONAN SETTLERS BRIDGE MODIFICATIONS

BILLS OF MATERIAL (SHEET 2 OF 2)

CITY DRAWING NUMBER	B216-18-23
SHEET	23 OF 26
BID OPPORTUNITY NUMBER	4-2018

NOTE:
 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.