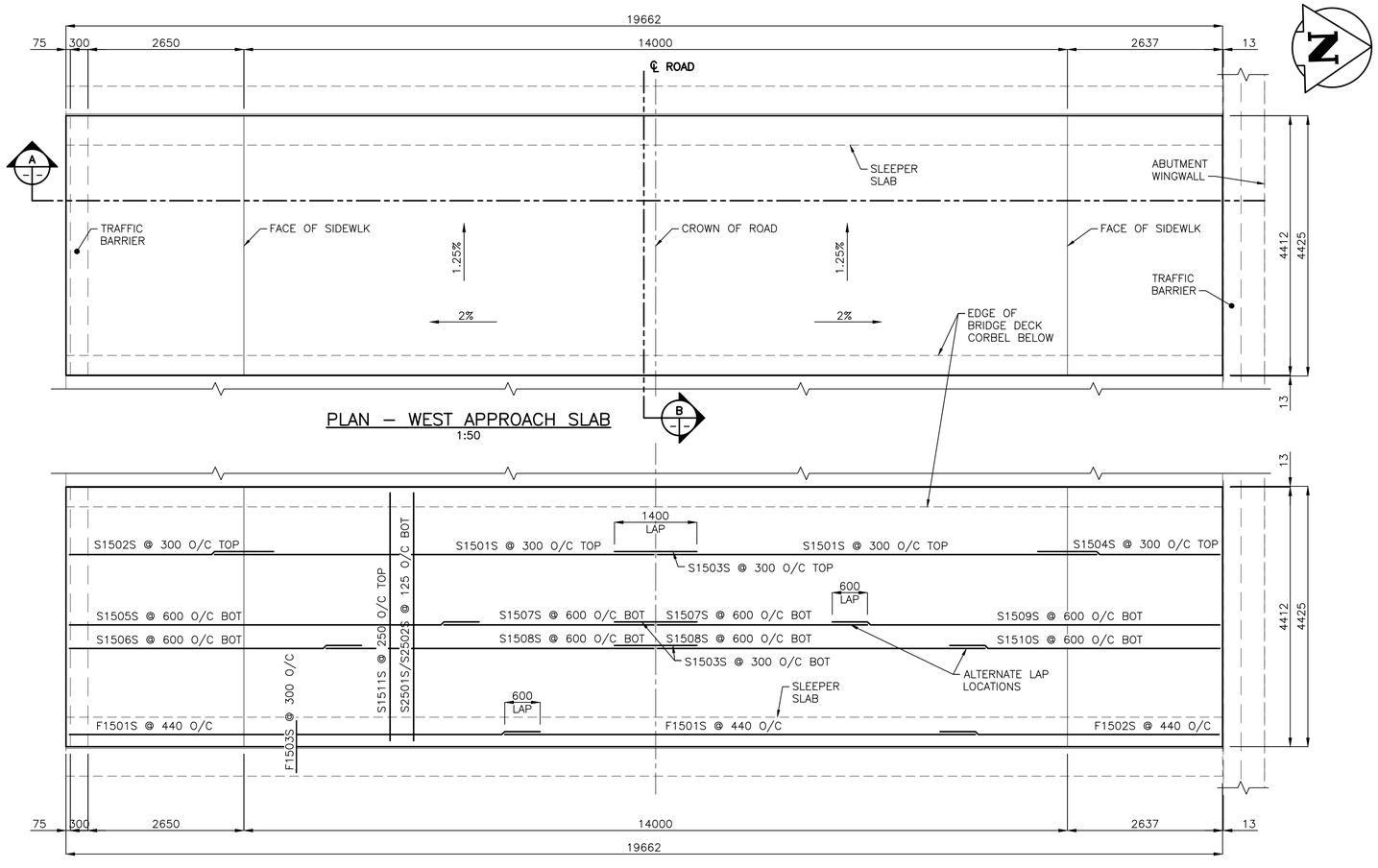
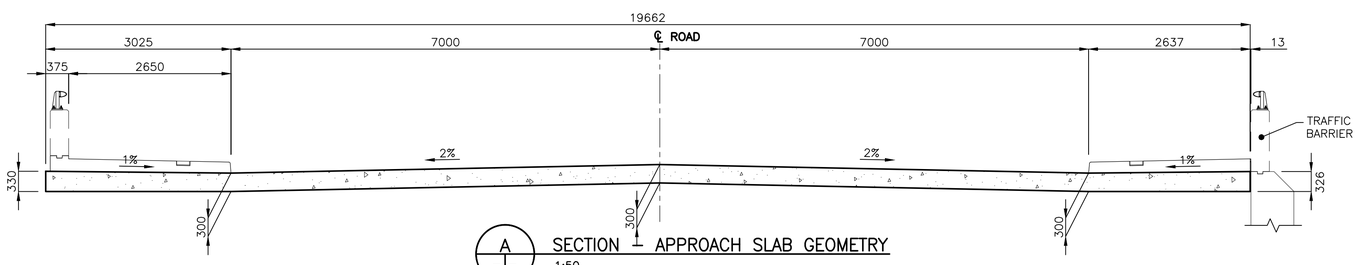
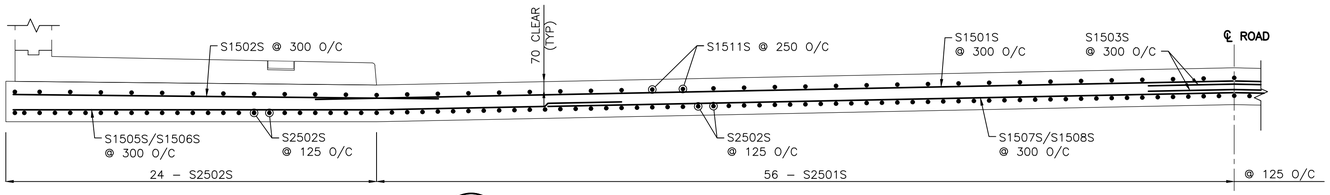


PLAN – WEST APPROACH SLAB
1:50

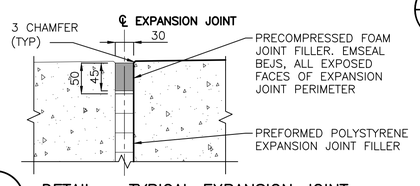
PLAN – EAST APPROACH SLAB
1:50



A SECTION – APPROACH SLAB GEOMETRY
1:50



A SECTION – APPROACH SLAB REINFORCEMENT
1:25



2 DETAIL – TYPICAL EXPANSION JOINT
1:5

APEGM
Certificate of Authorization
Stantec Consulting Ltd.
No. 1301

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

BILL OF REINFORCING STEEL

TOTAL APPROACH SLABS

STRAIGHT BARS				BENT BARS										
MARK	QTY.	LENGTH (mm)	MASS (kg)	MARK	QTY.	TYPE	A	B	C	D	E	F	LENGTH (mm)	MASS (kg)
S1501S	60	7500	706.5	S1503S	60	A	700	700					1400	131.9
S1502S	30	3470	163.4	S1505S	16	E	2965	2000					4965	124.7
S1504S	30	3080	145.1	S1506S	14	E	2965	4000					6965	153.1
S1507S	32	3600	180.9	S1509S	16	E	2577	2000					4577	115.0
S1508S	28	5600	246.2	S1510S	14	E	2577	4000					6577	144.6
S1511S	160	4212	1058.1											
				S2001S	158	D	780	300	300				1380	513.5
				S2501S	226	C	4212	170	400	170	400		5352	4747.5
				S2502S	96	C	4212	196	400	196	400		5404	2036.2

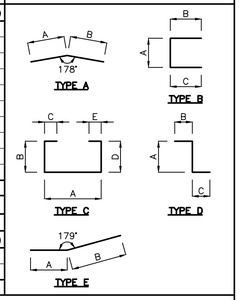
TOTAL MASS OF STAINLESS STEEL REINFORCING FOR TWO (2) APPROACH SLABS = 10,466.7 kg

TOTAL SLEEPER SLABS

STRAIGHT BARS				BENT BARS										
MARK	QTY.	LENGTH (mm)	MASS (kg)	MARK	QTY.	TYPE	A	B	C	D	E	F	LENGTH (mm)	MASS (kg)
F1501S	24	8000	301.4	F1503S	264	B	880	280	280				1440	596.9
F1502S	12	4742	89.3											

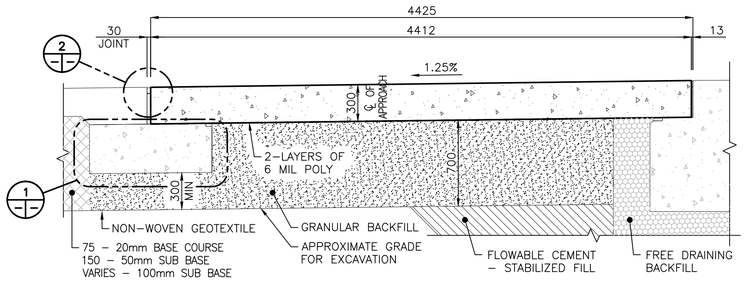
TOTAL MASS OF STAINLESS STEEL REINFORCING FOR TWO (2) SLEEPER SLABS = 987.6 kg

BAR TYPES

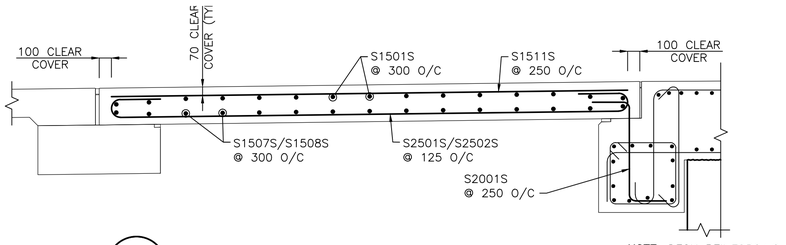


NOTE:

1. ALL DIMENSIONS GIVEN IN BENDING DIAGRAM ARE OUT TO OUT, EXCEPT RADII WHICH ARE INSIDE DIMENSIONS. ALL REINFORCING STEEL BENDS AND HOOKS SHALL CONFORM TO CLAUSE 6.6.2 OF C.S.A. A23.1–19, UNLESS NOTED OTHERWISE IN THE BILL OF REINFORCING STEEL.
2. ALL REINFORCING STEEL SHALL BE DEFORMED STEEL, UNLESS NOTED OTHERWISE IN THE BILL OF REINFORCING STEEL.
3. ALL STAINLESS STEEL REINFORCING SHALL CONFORM TO ASTM A955M, 300 SERIES MINIMUM GRADE 420.
4. LIKE BARS SHALL BE BUNDLED, SECURELY TIED AND IDENTIFIED AS TO MARK AND SITE NO. BY APPROPRIATE MEANS. ALL OTHER ITEMS TO BE IDENTIFIED IN A SIMILAR FASHION.
5. UNLESS OTHERWISE NOTED, PIN DIAMETERS SHALL BE SIMILAR AT ALL BENDS AND HOOKS OF A BAR IN ACCORDANCE WITH THE FOLLOWING DETAIL:

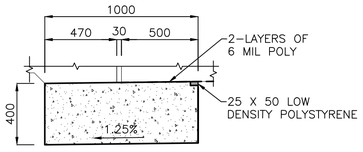


B SECTION – APPROACH SLAB GEOMETRY
1:25

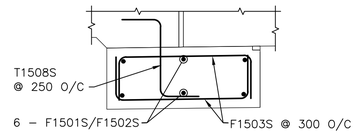


B SECTION – APPROACH SLAB REINFORCEMENT
1:25

NOTE: DECK REINFORCING NOT SHOWN FOR CLARITY. 100mm COVER AT JOINT.



1 DETAIL – SLEEPER SLAB
1:20



1 SLEEPER SLAB REINFORCEMENT
1:20

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. 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.

B.M. ELEV.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	19.09.18	J.M.B.

Stantec
500 - 311 Portage Avenue, Winnipeg MB Canada
www.stantec.com

DESIGNED BY	H.M.V.	CHECKED BY	C.D.
DRAWN BY	J.M.B.	APPROVED BY	K.S.A.
HOR. SCALE: VERTICAL:	1:50 OR AS NOTED	RELEASED FOR CONSTRUCTION:	
DATE	2019.09.18	DATE	

ENGINEER'S SEAL

TENDER DRAWING
NOT TO BE USED FOR CONSTRUCTION

CONSULTANT DRAWING NO.
S-110

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

DUBLIN AVENUE BRIDGE REPLACEMENT
PROPOSED BRIDGE STRUCTURE
APPROACH SLAB DETAILS

SHEET 13 OF 48
CAD FILE DRAWING NUMBER 33340s-110-926.dwg
CITY DRAWING NUMBER B105-19-13

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2019/09/18 2:05 PM By: Hsin_Jokie