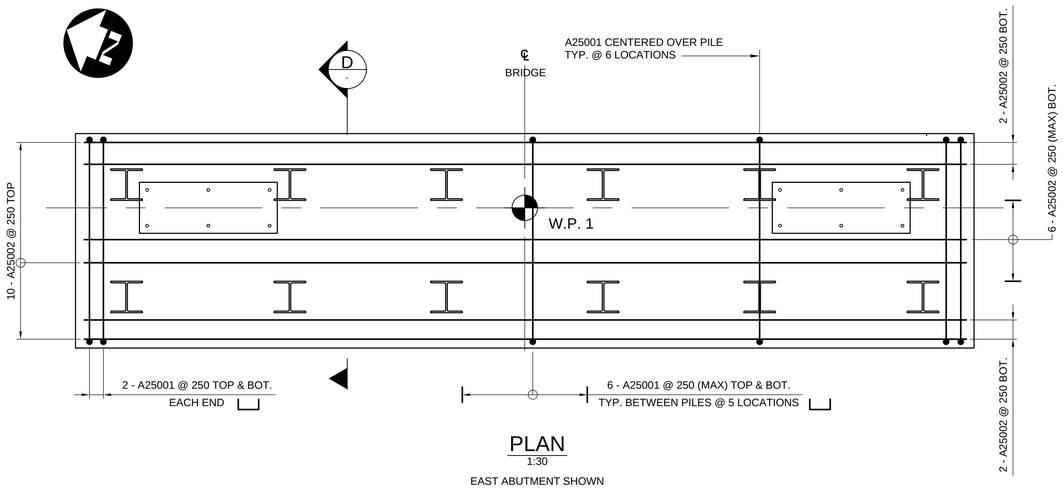
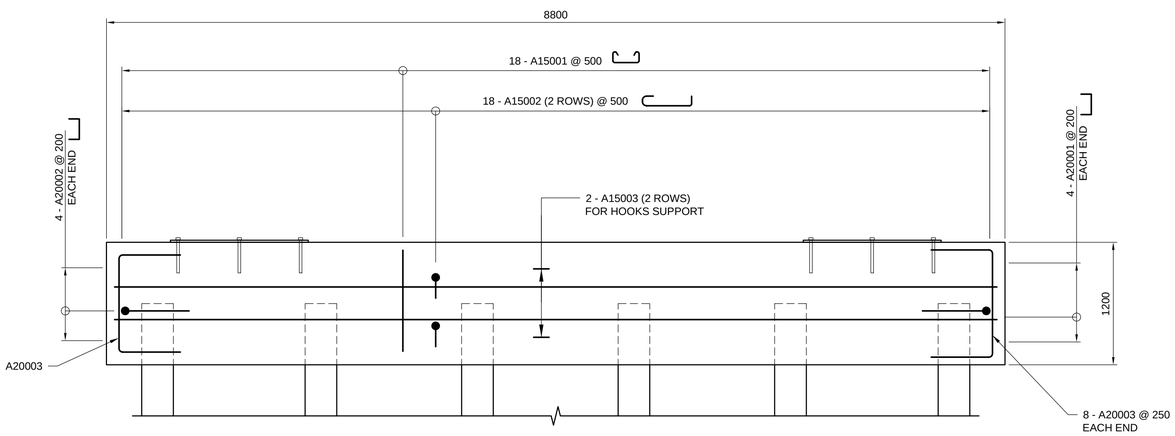


PLAN
1:30

EAST ABUTMENT SHOWN
WEST ABUTMENT SIMILAR

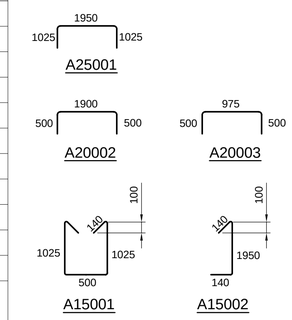


ELEVATION
1:30

EAST ABUTMENT SHOWN
WEST ABUTMENT SIMILAR

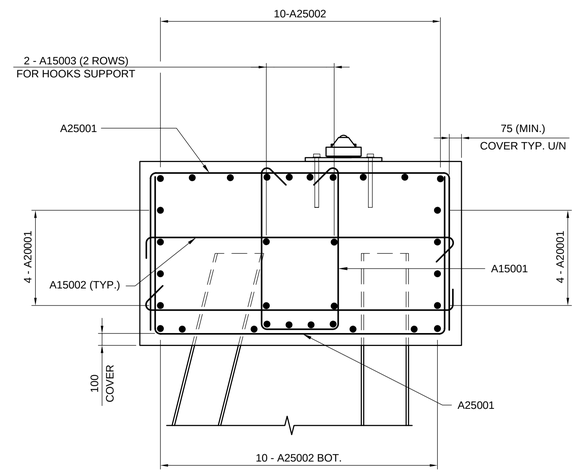
BILL OF REINFORCING STEEL
FOR ONE ABUTMENT

MK. NO.	TYPE	NO.	LENGTH	MASS (kg)
A25001	BENT	74	4000	1016.80
A25002	STR.	20	8650	679.03
A20001	STR.	8	8650	162.97
A20002	BENT	8	2900	54.64
A20003	BENT	16	1975	74.42
A15001	BENT	18	2830	79.98
A15002	BENT	36	2230	126.04
A15003	STR.	4	8650	54.32



TOTAL MASS OF REINFORCING STEEL (ONE ABUTMENT)	= 2329.46 kg
TOTAL MASS OF REINFORCING STEEL (TWO ABUTMENTS)	= 4658.92 kg
TOTAL VOLUME OF STRUCTURAL CONCRETE (ONE ABUTMENT)	= 22.18 m3
TOTAL VOLUME OF STRUCTURAL CONCRETE (TWO ABUTMENTS)	= 44.36 m3

NOTE:
ADJUST REINFORCING STEEL SPACING TO AVOID THREADED RODS. SEE SHEET 07.



D SECTION
1:20

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date: DEC. 17/14

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	14/12/17	GCL

B.M. ELEV.

DESIGNED BY GCL
DRAWN BY JLD
CHECKED BY MBL
APPROVED BY MBL
HOR. SCALE
VERTICAL
DATE 2014/12/17

DILLON CONSULTING

RELEASED FOR CONSTRUCTION
DATE

ENGINEER'S SEAL
PROVINCE OF MANITOBA
ORIGINAL STAMPED BY
G.C. LOEPPKY
DECEMBER 17, 2014
Member 24656
REGISTERED PROFESSIONAL ENGINEER

ENGINEER'S SEAL
PROVINCE OF MANITOBA
ORIGINAL STAMPED BY
K.G. WILLIS
DECEMBER 17, 2014
Member 33036
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT PROJECT NUMBER
13-8363

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

BRIDGE OVER THE FALCON RIVER
DIVERSION & ASSOCIATED ROADWORKS

ABUTMENT REINFORCING DETAILS

CITY DRAWING NUMBER ----
SHEET 06 OF 13
CONSULTANT DRAWING NUMBER

G:\CAD\138363\11-Structural\01-Contract\138363-09_ABUTMENT REINFORCING DETAILS.dwg