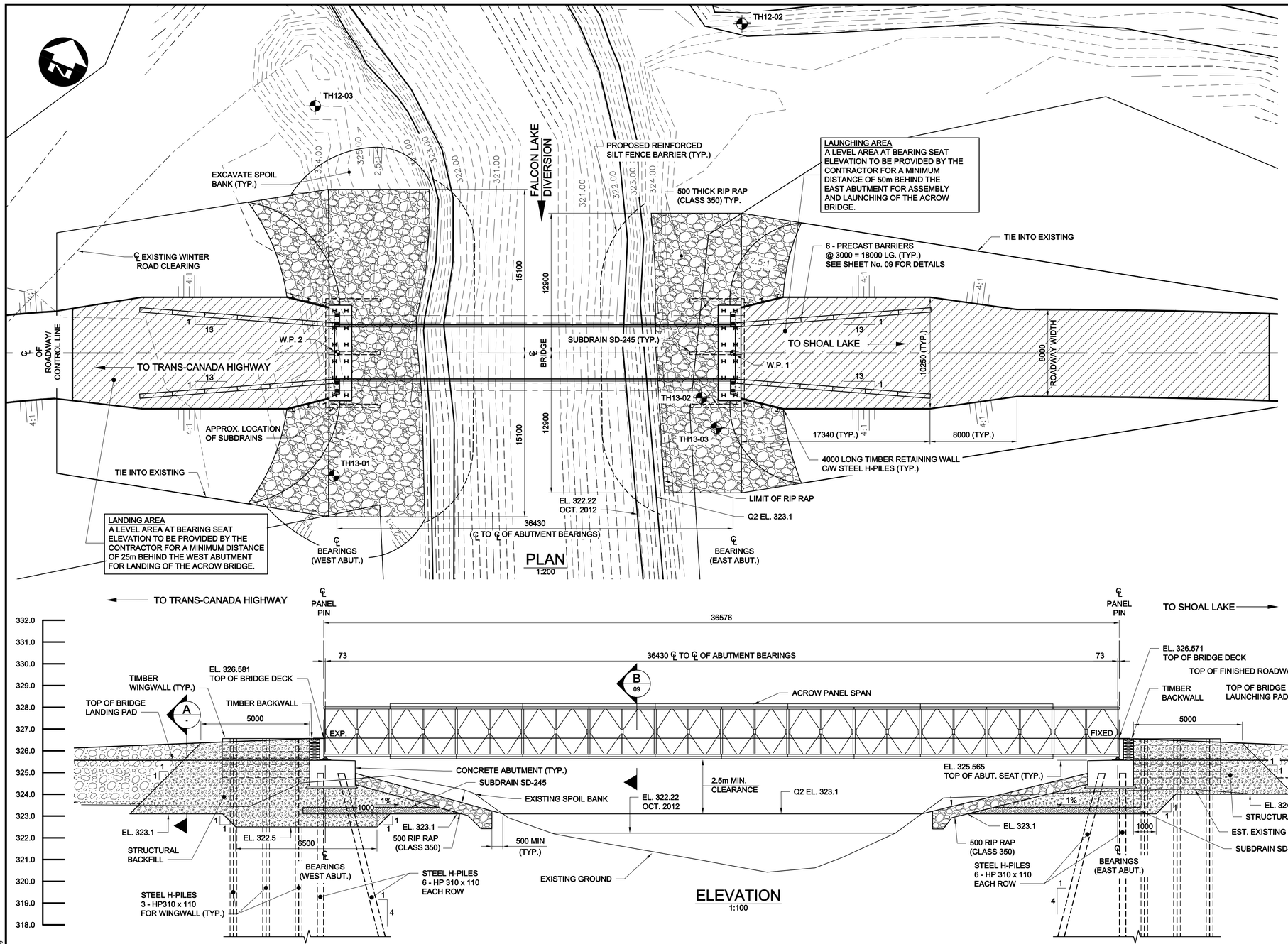
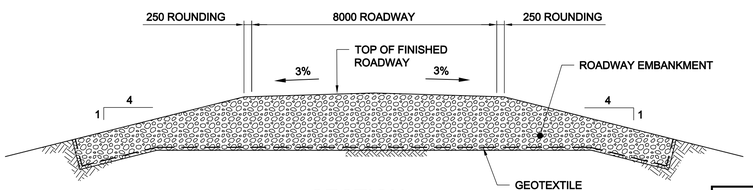


PLAN
1:200

ELEVATION
1:100



A SECTION
1:100

TYPICAL APPROACH CROSS SECTION
FOR ADDITIONAL ROADWAY CROSS SECTIONS SEE SHEET No. 13

WORKING POINT COORDINATES (UTM ZONE 14 U)			
	EASTING	NORTHING	ELEVATION
W.P. 1	774708.153	5501751.123	325.565
W.P. 2	774674.421	5501737.366	325.565

NOTE:
TEST HOLE LOCATIONS HAVE BEEN SUPPLIED BY OTHERS AND DILLON CONSULTING DOES NOT GUARANTEE THEIR ACCURACY. REFER TO TREK GEOTECHNICAL REPORT FOR DESCRIPTION OF EACH TEST HOLE.

TEST HOLE COORDINATES (UTM ZONE 14 U)		
TEST HOLE MK. NO.	EASTING	NORTHING
TH12-02	774697.48m	5501779.46m
TH12-03	774.663.99m	5501757.64m
TH13-01	774678.42m	5501726.80m
TH13-02	774707.01m	5501746.20m
TH13-03	774709.33m	5501744.15m

NOTE: VALUES HAVE BEEN CONVERTED TO REFLECT UTM ZONE 14U COORDINATES.

LOCATION PLAN
NTS

NOTES:

NAVIGABLE WATER INFORMATION

- THIS SITE HAS BEEN DEEMED NAVIGABLE BY TRANSPORT CANADA.
- Q2 ELEVATION 323.1m.
- 2.5m CLEARANCE PROVIDED: Q2 - UNDERSIDE OF BRIDGE

CONSTRUCTION INFORMATION

- IN GENERAL ALL EFFORTS SHALL BE MADE TO LIMIT THE DISRUPTION OF NATURAL VEGETATION AND GROUND COVER.
- NO WORK PERMITTED IN WATER.

1. BRIDGE ABUTMENTS:
 1.1. BOTH ABUTMENTS WILL BE ON STEEL H-PILES DRIVEN DOWN TO BEDROCK WITH A REINFORCED CONCRETE PILE CAP.

2. APPROACHES:
 2.1. THE APPROACHES SHALL BE CONSTRUCTED WITH CLEAN GRANULAR FILL, HAVE A TOP WIDTH OF 8.000m AND A TAPERING LENGTH. RIP RAP WILL BE PLACED ON THE HEAD SLOPES TO PROTECT AGAINST POSSIBLE EROSION.

3. SUPERSTRUCTURE:
 3.1. SUPERSTRUCTURE WILL BE A CLEAR SPAN ACROW PANEL BRIDGE AND WILL BE CONSTRUCTED WITHOUT ENCROACHING ON THE STREAM BED.

GPS INFORMATION:

COORDINATES PROVIDED CORRESPOND WITH THE SHOAL LAKE AQUEDUCT CONTROL SURVEY WHICH IS REFERENCED TO ZONE 14 U. ACTUAL LOCATION OF BRIDGE IS LOCATED IN ZONE 15 U.

- UTM CO-ORDINATES: 14U NORTHING = 5501744.24m, EASTING = 774691.29m
- LATITUDE = 49°36'20.66"N, LONGITUDE = 95°11'51.64W"

BRIDGE INFORMATION:

- BRIDGE DIMENSIONS: 36.576m LONG (120'), 5.334m WIDE (17'-6") INSIDE OF TRUSS TO INSIDE OF TRUSS.
- CONTRACTOR TO SUPPLY AND INSTALL 700XS ACROW PANEL BRIDGE FROM ACROW CANADA LIMITED.

DESIGN DATA

SPECIFICATIONS:

- AASHTO LRFD BRIDGE DESIGN SPECIFICATION 7th EDITION PLUS INTERIMS AASHTO/AWS BRIDGE WELDING CODE D1.5M 2014.

VEHICULAR LIVE LOADING (WHICHEVER GOVERNS):

- MODIFIED AASHTO HSS 25 TRUCK DESIGN LOAD.
- AASHTO LRFD "HL-93" TRUCK AND LANE LOAD.

MISCELLANEOUS METAL:

- ALL STRUCTURAL STEEL SHALL CONFORM TO CSA-G40.21 GRADE 300W UNLESS NOTED OTHERWISE.
- ALL REINFORCING STEEL SHALL CONFORM TO CSA-G30.18 GRADE 400W UNLESS NOTED OTHERWISE.

STRUCTURAL CONCRETE

- ALL STRUCTURAL CONCRETE SHALL CONFORM TO CSA A23.1, CLASS S-1, f'c = 35MPa @ 56 DAYS UNLESS NOTED OTHERWISE.

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

CITY DRAWING NUMBER ----

SHEET 01 OF 13

GENERAL ARRANGEMENT

CONSULTANT DRAWING NUMBER

G:\CAD\138363\11-Structural\01-Contract\138363-09_GENERAL ARRANGEMENT.dwg