



NAVIGABLE WATERS PROTECTION ACT REQUEST FOR WORK APPROVAL

All fields marked with an (*) must be completed

File no: **113732050**

This is my first request for Transport Canada to review this project.

Yes

No

NOTE: A Minor Works Self Assessment may be required.

Owner Contact Information	<p>I am the property owner or have secured permission from property owner <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>This is a crown work <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
----------------------------------	---

Full name/company *				
City of Winnipeg				
Street no. *		Street *		
1199		Pacific Avenue, Suite 110		
City/Town *			Province/Territory *	
Winnipeg			Manitoba	
Postal code *				
R3E 3S8				
Telephone no. (home) *	Telephone no. (work) *	Telephone no. (other) *	Fax no.	E-mail
	204-986-8409			

Representative (contractor/consultant/agent if any)

Name				
Stantec Consulting Ltd.				
Street no.		Street		
1355		Taylor Avenue, Suite 100		
City/Town			Province/Territory	
Winnipeg			Manitoba	
Postal code				
R3M 3Y9				
Telephone no. (home)	Telephone no. (work)	Telephone no. (other)	Fax no.	E-mail
204-891-8206	204-928-8840		204-284-4795	tina.yuen@stantec.com

Work Site Location

Municipality/District/County *	Province/Territory *
East Braintree	Manitoba
Site description *	
Site is located on the Trans-Canada Hwy toward Kenora in East Braintree, Manitoba.	

Coordinates

Work site: Latitude 49 ° 37 ' 15 " N Longitude 95 ° 37 ' 45 " W

Source of coordinates: Topo(s) Chart(s) GPS Other (describe): W 07-22-14E (legal land description)

Official and/or local name of waterway *		
Boggy River		
Description of known waterway use		
Boggy River flows from north to south located just south of the Trans-Canada Hwy.		
Vessel type(s)	Maximum vessel size	
Boom Truck	<input checked="" type="checkbox"/> Length <u>10.7</u> <input checked="" type="checkbox"/> Width <u>6.2</u> <input checked="" type="checkbox"/> Depth <u>3.84</u>	
Day/Night use	Amount of vessel traffic	Time of year
<input type="checkbox"/> Day <input type="checkbox"/> Night <input checked="" type="checkbox"/> Both	<input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	<input type="checkbox"/> Winter <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Summer <input type="checkbox"/> Fall
Basic Project Description		
Brief description of your project *		
Bridge replacement over the Boggy River. Replacement of a six span timber tressel bridge with a single span Through Plate Girder (TPG) bridge.		
Proposed start and end date (dd-mm-yyyy) *:	<u>10-01-2014</u>	Date of original construction (dd-mm-yyyy): <u>31-04-2014</u>
Summary of Required Supporting Documents (be sure to include all the following supporting documents with your submission)		
<p style="text-align: center;">Mandatory Information*</p> <input type="checkbox"/> Project description (complete Basic Project Description or provide an annex as required) <input type="checkbox"/> Completed and signed Application form Provide six copies of 11" X 17": <input type="checkbox"/> Map showing exact location of the work <input type="checkbox"/> Plan view drawings with dimensions <input type="checkbox"/> Profile view drawings with dimensions		<p style="text-align: center;">Supporting Information</p> <input type="checkbox"/> Photographs of the work site <input type="checkbox"/> Environmental Assessment documents (if any) <input type="checkbox"/> Aboriginal consultation results (if any) <input type="checkbox"/> Executive summary of large project description <input type="checkbox"/> Water lot lease information <input type="checkbox"/> Other agency submissions made/received
Date (dd-mm-yyyy) *:	<u>23-12-2013</u>	Signature *:
For office use	Date stamp:	

The personal information provided on this form is collected under the authority of sections 5, 6, 10 and 11 of the **Navigable Waters Protection Act**. This information is required for the purpose of ensuring that works that are built or placed in, on, over, under, through or across any navigable water in Canada are approved. The personal information collected is described in a personal information bank entitled Navigable Waters Protection Program (bank number TC PPU 086). Under the provisions of the **Privacy Act**, individuals have the right of access to, correction of and protection of their personal information. Instructions for obtaining personal information are provided in Info Source, a copy of which is available in major public and academic libraries or on line at <http://www.infosource.gc.ca>.



NAVIGABLE WATERS PROTECTION ACT REQUEST FOR WORK APPROVAL

All fields marked with an (*) must be completed

File no: 113732050

This is my first request for Transport Canada to review this project.

Yes No

NOTE: A Minor Works Self Assessment may be required.

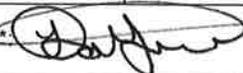
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Postal code *		R3E 3S8		
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	204-986-8409			

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Postal code		R3M 3Y9		
Telephone no. (home)	Telephone no. (work)	Telephone no. (other)	Fax no.	E-mail
204-891-8206	204-928-8840		204-284-4795	tina.yuen@stantec.com

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Source of coordinates: <input type="checkbox"/> Topo(s) <input type="checkbox"/> Chart(s) <input checked="" type="checkbox"/> GPS <input type="checkbox"/> Other (describe): _____	

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Manitoba



Conservation and Water Stewardship

Climate Change and Environmental Protection Division
Environmental Approvals Branch
123 Main Street, Suite 160, Winnipeg, Manitoba R3C 1A5
T 204 945-8321 F 204 945-5229
www.gov.mb.ca/conservation/eal



January 30, 2014

Tina Yuen
Stantec Consulting Ltd.
100-1355 Taylor Ave
Winnipeg MB R3M 3Y9

Dear Ms. Yuen:

Re: Proposed Replacement of Greater Winnipeg Water District Railway Bridge in East Braintree Manitoba

This will acknowledge receipt of the project description and approval request for the proposed replacement of the Greater Winnipeg Water District Railway Bridge in East Braintree at mile 77.6.

Environmental Approvals Branch has reviewed the information provided and determined that the proposed facility is not a Development under The Environment Act.

Should you have any questions, please do not hesitate to contact Darrell Ouimet at (204) 803-1389 or Darrell.Ouimet@gov.mb.ca.

Yours truly,

A handwritten signature in black ink that reads "Tracey Braun".

Tracey Braun, M. Sc.
Director
Environmental Approvals Branch

Stantec Consulting Ltd.
100-1355 Taylor Avenue
Winnipeg, MB R3M 3Y9
Tel: (204) 928-8840
Fax: (204) 284-4795

To: Referrals Coordinator
Company: Fisheries & Oceans Canada
Manitoba District
Freshwater Institute
Address: 501 University Crescent
Winnipeg, MB R3T 2N6
Phone: (204) 983-5000
Date: February 5, 2014
File: 113732050
Delivery: Mail

From: Tina Yuen
 For Your Information
 For Your Approval
 For Your Review
 As Requested

Reference: Approval Letter for Proposed Replacement of Greater Winnipeg Water District Railway Bridge Located South of Glass, Manitoba – Mile 22.15

Enclosed with this transmittal are the following attachments for your review and approval.

Attachment:

Copies	Pages	Description
1	4	Approval Letter
1	1	General Arrangement Drawing
1	4	Site Photographs
1	2	Notification Form

If you have any questions, please contact me by email or phone.

Stantec Consulting Ltd.,

Tina Yuen
Phone: (204) 928-8840
Cell: (204) 891-8206
tina.yuen@stantec.com



February 5, 2014
File: 113732050

Attention: Referrals Coordinator

Fisheries & Oceans Canada
Manitoba District
Freshwater Institute
501 University Crescent
Winnipeg, MB R3T 2N6

Dear To Whom It May Concern,

**Reference: Proposed Replacement of Greater Winnipeg Water District Railway Bridge
Located South of Glass, Manitoba – Mile 22.15**

The City of Winnipeg proposes to replace an existing bridge over the Cooks Creek as part of their Capital Renewal Program. The existing bridge is a two span timber tressel bridge structure. The existing timber pile bents are braced which causes problems during the spring flood seasons. Debris are caught and collected in the bracings, which then disturbs the natural flow of the river. The City of Winnipeg would like to replace the aging multi-span timber structure with a single span Through Plate Girder (TPG) bridge. The proposed single span bridge will comprise of a newly fabricated weather steel TGP span founded on reinforced concrete abutments and driven steel H-piles.

The construction of the proposed Railway Bridge should not disturb the Cooks Creek and aquatic life within. The proposed construction schedule is tentatively set for winter 2014 to spring 2014. The existing timber bridge will be removed up to the ice level, leaving the timber cut piles below the ice. Once the ice melts in the spring, according to in-stream work restrictions, the remaining piles will then be removed with a chain and a backhoe. Construction is expected to begin in winter 2014. Bridge replacement is expected to be completed by spring 2014.

The proposed replacement bridge will be a single span TPG, to avoid in-stream construction of a pier. The opening under the replacement bridge will be larger than the previous bridge as the existing piers and bracing will be removed. Therefore, the bracings will no longer impede the flow of the river. Removal of the existing abutments and piers will cause minimal disturbance to Cooks Creek. The removal of the existing structure is short term and will be done during the winter season of 2014. Environmental protection devices will be proposed to help reduce and prevent construction debris and material from entering Cooks Creek.

Installation Method for Steel H-Piles

The proposed TPG span length is 15.81m long. Installing the proposed steel H-piles should not affect fish habitat, provided that care is taken during the installation process. Installing the piles would require the



Reference: Proposed Replacement of Greater Winnipeg Water District Railway Bridge Located South of Glass, Manitoba – Mile 22.15

use of a pile driving crane, which would be a diesel or a gravity drop hammer. The piles are then placed into their surveyed location and pounded into the ground.

Once the piles have been installed, the abutments can then be constructed. Construction of the abutments will comprise of following the standard concrete construction practice. Untreated wood forms will be used to support wet concrete until it hardens. The proposed abutments are located outside of the existing waterway; therefore, construction of the abutments will not adversely affect the environment.

Installation Method for the TPG Span

Installing the superstructure would be clean and simple. The salvaged steel TPG span will be hauled to site and installed using a crane or launch method. The launch method consists of placing large temporary steel beams, spanning the abutments, with the TPG span placed on top, and is then pushed from one end to the other on top of the temporary launching beams. Once the TPG is horizontally positioned, the TPG span will be raised with hydraulic jacks to remove the temporary launching beams, and then the TPG would be lowered onto the bearings. The contractor will be the one that develops the installation procedure after project has been awarded.

Embankments

As part of the bridge replacement, the east and west abutment embankments will be reshaped as the abutments have been relocated outward towards the river. The embankments will be shaped locally around the abutments to provide a stable slope for suitable riprap placement. Modifications to the embankments will be minimal and will be leveled to the existing embankment to prevent rutting and unevenness while during construction. The embankments will be protected by 450 - mm nominal field stone riprap. The riprap will be cleaned and free of fines prior to placing. The embankments are not to be reshaped below the water level.

Construction Regulations

Stantec is familiar with DFO regulations and have completed numerous bridge replacement projects involving DFO approvals. The legal contract and technical specification for construction will reference the regulatory approval letters. A hard copy of Stantec's letter requesting approval and the Letters of Advice, or approval letters, received from the regulatory bodies will be attached to the tender documents forming part of the legal contract.

As part of our sediment and erosion control mitigation measures, Stantec requests for the following tasks to be implemented throughout the course of construction:

- Removing debris from the ice with shovels or heavy machinery.
- Installation of silt fences, isolating our abutment construction areas upon river thaw.
- No in-water construction to be undertaken between February through May.



February 5, 2014 Referrals Coordinator
Page 3 of 4

Reference: Proposed Replacement of Greater Winnipeg Water District Railway Bridge Located South of Glass, Manitoba – Mile 22.15

- Non-reusable demolition or construction materials will be disposed of in an authorized waste disposal ground.
- Demolition materials will not be allowed to enter Cooks Creek.
- Construction will be halted during periods of heavy rainfall.
- Stock piled backfill material will be covered with poly during heavy rainfall events and if to remain on site for an extended period of time.
- Riprap to be placed to the water's edge and not within the river.
- The riprap will be clean fieldstone or quarried rock, free of fines.
- Construction machinery may not be refueled or serviced within 100m adjacent to Cooks Creek or any body of water.
- All construction work shall be performed in a workmanship like manner and shall be in accordance with "Manitoba Stream Crossing Guidelines for the Protection of Fish and Fish Habitat".
- At no time shall the arm of a backhoe or any other machinery extensions enter the waterway where exposed hydraulic cylinders, engines or other devices containing grease, oil, gas and other toxins could enter and contaminate the waterway and environment.
- The contractor shall have on site at all times, oil absorbent pads in the event of an oil spill or accidental submergence of toxin covered machinery occurs.
- The excavated material for abutment construction shall be placed where it is not likely to erode or be washed into the waterway.

Attached are photos of the existing timber structure along with our preliminary general arrangement drawing. Please review the provided information as soon as possible and advise if further information is required. Please contact the undersigned for further questions or information.

Regards,

STANTEC CONSULTING LTD.

Tina Yuen
Phone: (204) 489-5900
Cell: (204) 891-8206

Fax: (204) 453-9012
tina.yuen@stantec.com



February 5, 2014 Referrals Coordinator
Page 4 of 4

**Reference: Proposed Replacement of Greater Winnipeg Water District Railway Bridge Located South of Glass,
Manitoba – Mile 22.15**

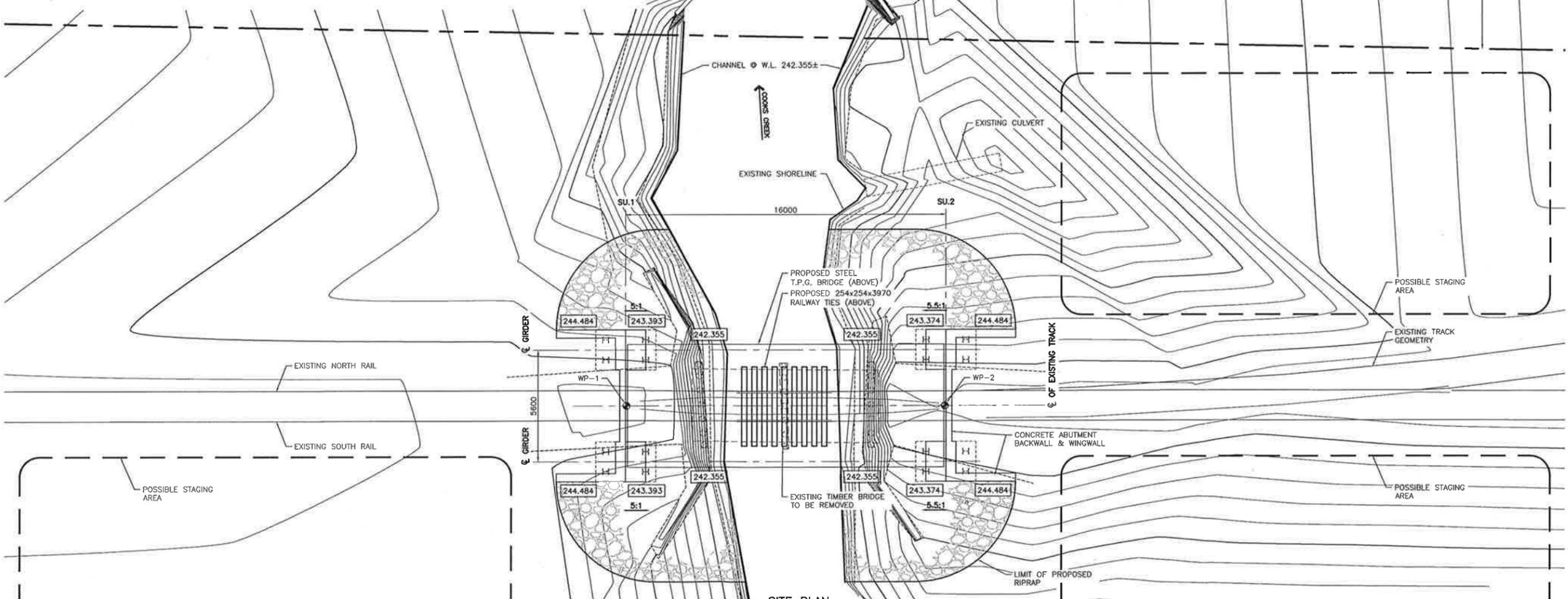
**Attachment: General Arrangement Drawing
Photographs
Notification Form**

27T

V:\1137\active\113732050\correspondence\201_agency\DFO



KEY PLAN
1:500



SITE PLAN
1:100

BENCH MARK LOCATION				
BM.	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM-1	5523459.420	664897.391	245.666	GMB 7039838
BM-2	5526659.847	661534.056	243.288	GMB 7039840
WP-1	5524046.664	662687.117	245.031	TOP OF ABUTMENT BACKWALL
WP-2	5524045.420	662702.988	245.049	TOP OF ABUTMENT BACKWALL

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. CORROBORATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

NO.	REVISIONS	DATE	BY	DATE

Stantec
100 - 1355 Taylor Avenue, Winnipeg MB Canada
www.stantec.com

DESIGNED BY: S.S.Y.	CHECKED BY: M.J.B.
DRAWN BY: J.A.S.	APPROVED BY: M.J.B.
HOR. SCALE: AS NOTED	RELEASED FOR CONSTRUCTION:
VERTICAL:	

ENGINEER'S SEAL

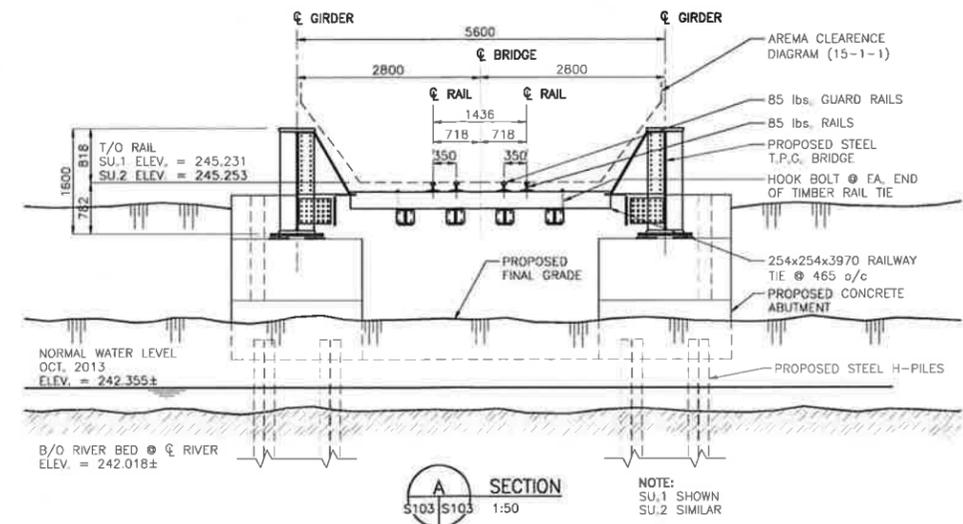
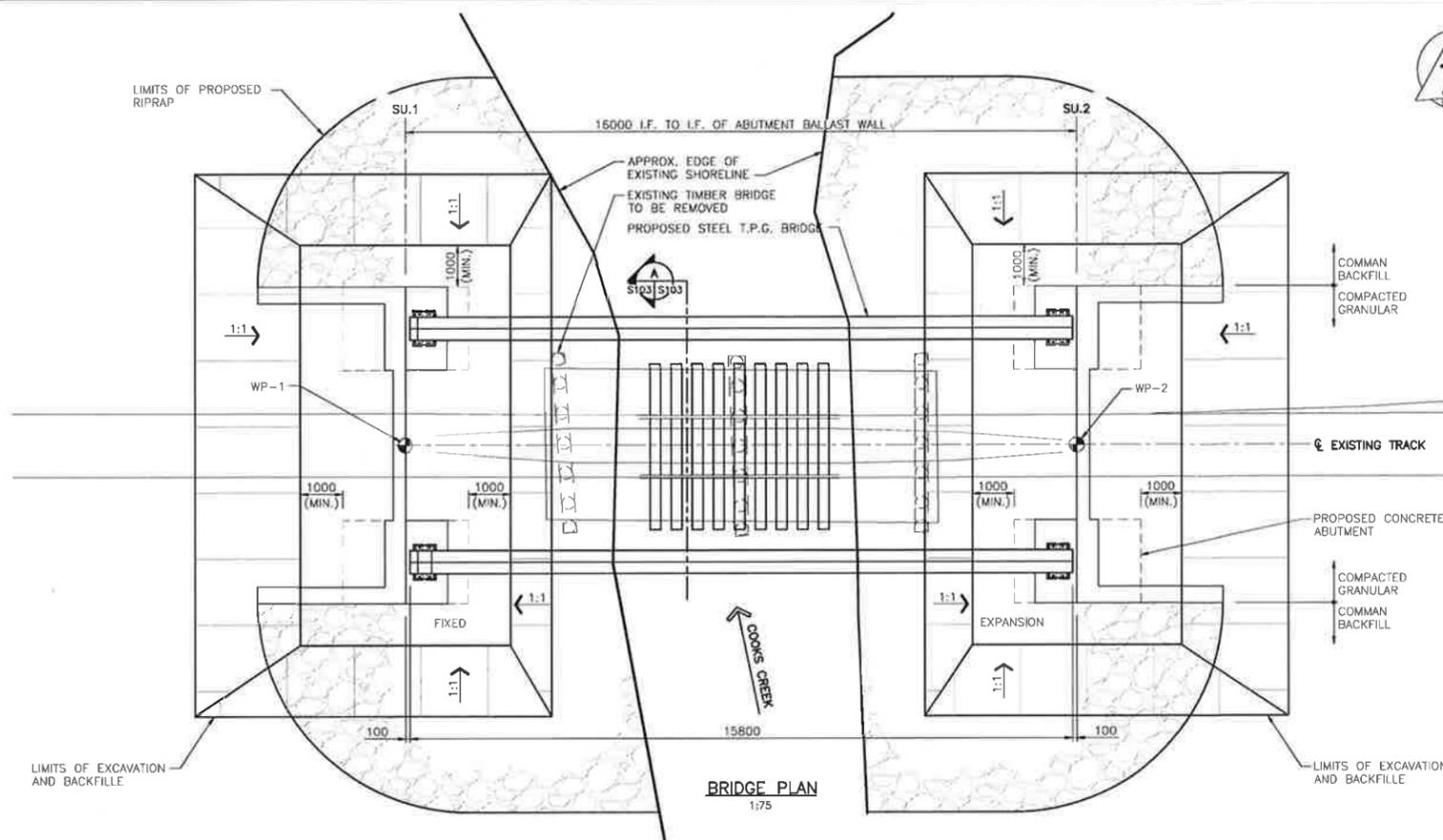
CONSULTANT DRAWING NO.
SIOI

THE CITY OF WINNIPEG
WASTE WATER DEPARTMENT
ENGINEERING DIVISION

GREATER WINNIPEG WATER DISTRICT
RAILWAY BRIDGE REPLACEMENT • MILE 22.15

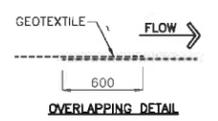
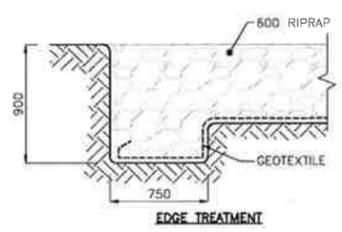
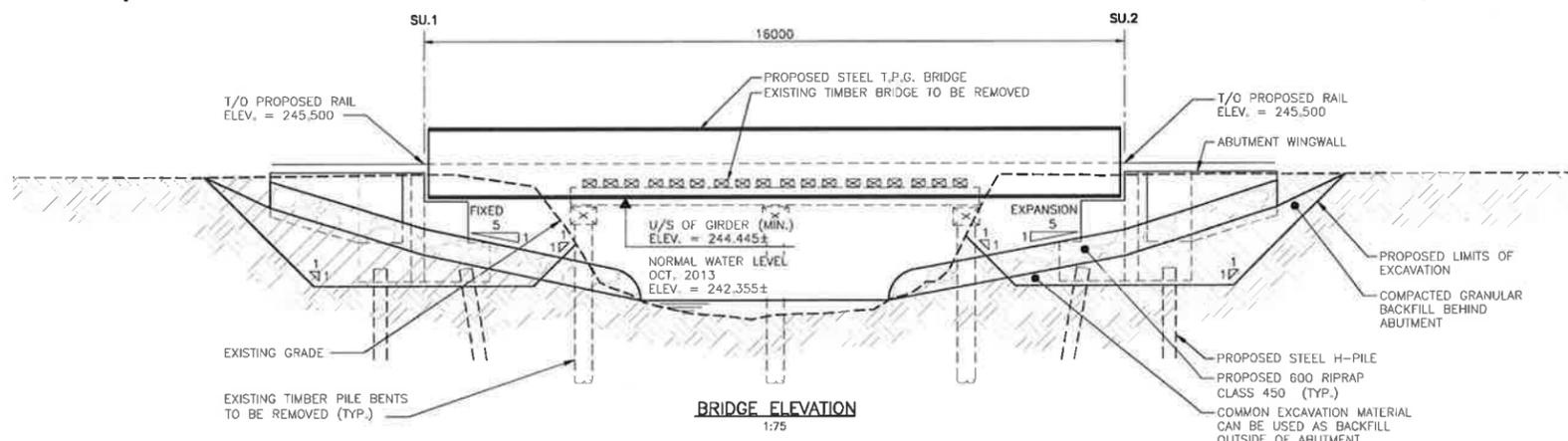
SITE PLAN

SHEET 3 OF 15
CAD FILE DRAWING NUMBER 32050-1-101-800.dwg
CITY DRAWING NUMBER B-????-??



← TO WINNIPEG

TO FALCON LAKE →



NOTE:
1. THE BRIDGE CONTRACTOR SHALL PLACE THE RIPRAP WITHIN THE LIMITS INDICATED

BILL OF PILES				
MARK	QTY.	DESCRIPTION	LENGTH (m)	TOTAL (m)
SU.1	8	310x125 H PILES, GRADE ---	---	---
SU.2	8	310x125 H PILES, GRADE ---	---	---
TOTAL MASS kg =			---	---

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

LOCATION APPROVED UNDERGROUND STRUCTURES		B.M. ELEV.
SUPV. U/G STRUCTURES COMMITTEE	DATE	
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NO. REVISIONS	DATE	BY

Stantec
100 - 1355 Taylor Avenue, Winnipeg MB Canada
www.stantec.com

DESIGNED BY	S.S.Y.	CHECKED BY	M.J.B.
DRAWN BY	J.A.S.	APPROVED BY	M.J.B.
HOR. SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION:	
VERTICAL:		DATE	

ENGINEER'S SEAL
CONSULTANT DRAWING NO. S103

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

GREATER WINNIPEG WATER DISTRICT
RAILWAY BRIDGE REPLACEMENT @ MILE 22.15
GENERAL ARRANGEMENT

SHEET	5	OF	15
CAD FILE DRAWING NUMBER 32050-s-103-800.dwg			
CITY DRAWING NUMBER B-????-??			

MP 22.15



Looking east towards SU1.



Deck top, typical.



Downstream looking north.



Upstream looking south.



North elevation.



South elevation.



Deck-Rails, typical.



Deck-Ties, typical.



West abutment SU1.

MP 22.15



East abutment SU3.



NW wingwall.



SE wingwall.



SW wingwall.



Underside of girder, typical.



Pier SU2 looking east.



Approach tie. Note rot.



West approach. Note mudding of ballast.

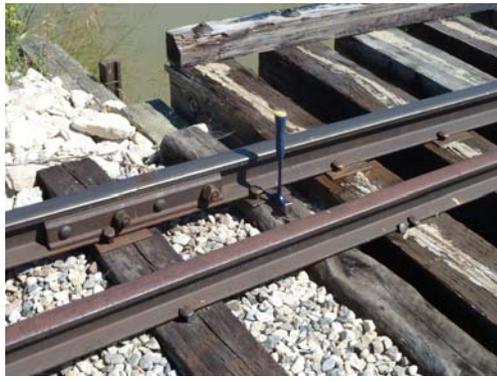


Approach rail looking at SU1. Note dip in rail.

MP 22.15



East approach, tie 7. Note missing spike.



West approach. Note gap between rail and tie plate.



Abutment SU1 looking north. Note rotation.



Abutment SU1 cap. Note rotation.



Abutment SU1 looking south. Note rotation.



Abutment SU1. Note typical shims.



Abutments SU3 looking south. Note rotation.



NW wingwall. Note crack in top plank.



Deck-rail. Note jacked spike.

MP 22.15



Jordan Rail. Note spike not catching bottom flange.



NOTIFICATION FORM

Fisheries and Oceans Canada
Manitoba Operational Statement

Version 3.0

PROPONENT INFORMATION

NAME: City of Winnipeg Public Works Department, Rob Carroll	STREET ADDRESS: 1155 Pacific Avenue	
CITY/TOWN: Winnipeg	PROVINCE/TERRITORY: Manitoba	POSTAL CODE: R3E 3P1
TEL. NO. (RESIDENCE):	TEL. NO. (WORK): (204) 986-6006	
FAX NO.:	EMAIL ADDRESS: rcarroll@winnipeg.ca	

CONTRACTOR INFORMATION (provide this information if a Contractor is working on behalf of the Proponent)

NAME: Stantec Consulting Ltd.	STREET ADDRESS: 100-1355 Taylor Avenue	
CITY/TOWN: Winnipeg	PROVINCE/TERRITORY: Manitoba	POSTAL CODE: R3M 3Y9
TEL. NO. (RESIDENCE):	TEL. NO. (WORK): (204) 928-8840	
FAX NO.: (204) 284-4795	EMAIL ADDRESS: tina.yuen@stantec.com	

PROJECT INFORMATION

Select Operational Statements that are being used (check all applicable boxes):

- | | | |
|---|---|---|
| <input type="checkbox"/> Aquatic Vegetation Removal | <input type="checkbox"/> High-Pressure Directional Drilling | <input type="checkbox"/> Public Beach Maintenance |
| <input type="checkbox"/> Beach Creation for Residential Use | <input type="checkbox"/> Ice Bridges and Snow Fills | <input type="checkbox"/> Punch & Bore Crossings |
| <input type="checkbox"/> Beaver Dam Removal | <input type="checkbox"/> Isolated Pond Construction | <input type="checkbox"/> Routine Maintenance Dredging |
| <input type="checkbox"/> Bridge Maintenance | <input type="checkbox"/> Isolated or Dry Open-cut Stream Crossings | <input type="checkbox"/> Submerged Log Salvage |
| <input checked="" type="checkbox"/> Clear-Span Bridges | <input type="checkbox"/> Maintenance of Riparian Vegetation in Existing Rights-of-Way | <input type="checkbox"/> Temporary Stream Crossing |
| <input type="checkbox"/> Culvert Maintenance | <input type="checkbox"/> Moorings | <input type="checkbox"/> Underwater Cables |
| <input type="checkbox"/> Dock and Boathouse Construction | <input type="checkbox"/> Overhead Line Construction | |

Select the type of water body or watercourse at or near your project:

- | | |
|--|---|
| <input checked="" type="checkbox"/> River, Stream, Creek | <input type="checkbox"/> Pond or wetland (pond is less than 8 hectares) |
| <input type="checkbox"/> Lake (8 hectares or greater) | <input type="checkbox"/> Estuary |
| <input type="checkbox"/> Marine (Ocean or Sea) | |

PROJECT LOCATION (S) (fill out this section if the project location is different from Proponent Information, append multiple project locations on an additional sheet if necessary)

Name of water body or watercourse Cooks Creek	Coordinates of the Project (UTM co-ordinate or Degrees, Minutes, Seconds), if available Easting: 662718 Northing: 5524088 Latitude: 49° 50' 49" Longitude: 96° 44' 13"
Legal Description (Quarter-Section-Township-Range, Meridian, Plan, Block, Lot) Twp: 10; Section: 20; Range 6E	Directions to Access the Project Site (i.e., Route or highway number, etc.) Site is located 4.5 miles east and 2.5 miles south of intersection of Dugald Rd. and Hwy #206.
Proposed Start Date (YYYY/MM/DD): 2014/01/10	Proposed Completion Date (YYYY/MM/DD): 2014/05/31

We ask that you notify DFO, preferably 10 working days before starting your work, by filling out and sending in, by mail or by fax, this notification form to the DFO office in your area. This information is requested in order to evaluate the effectiveness of the work carried out in relation to the Operational Statement.

I, Tina Yuen (print name) certify that the information given on this form is, to the best of my knowledge, correct and complete.

Signature _____ Date February 5, 2014

Note: If you cannot meet all of the conditions and cannot incorporate all of the measures in the Operational Statement then your project may result in a violation of subsection 35(1) of the *Fisheries Act* and you could be subject to enforcement action. In this case, you should contact the DFO office in your area if you wish to obtain DFO's opinion on the possible options you should consider to avoid contravention of the *Fisheries Act*.

Information about the above-noted proposed work or undertaking is collected by DFO under the authority of the *Fisheries Act* for the purpose of administering the fish habitat protection provisions of the *Fisheries Act*. Personal information will be protected under the provisions of the *Privacy Act* and will be stored in the Personal Information Bank DFO-SCI-605. Under the *Privacy Act*, individuals have a right to, and on request shall be given access to, any personal information about them contained in a personal information bank. Instructions for obtaining personal information are contained in the Government of Canada's Info Source publications available at



www.infosource.gc.ca or in Government of Canada offices. Information other than "personal" information may be accessible or protected as required by the provisions of the *Access to Information Act*.

FISHERIES AND OCEANS CANADA OFFICES IN MANITOBA

Winnipeg Office

Fisheries and Oceans Canada
Freshwater Institute
501 University Crescent
Winnipeg, Manitoba
R3T 2N6
Tel: (204) 983-5163
Fax: (204) 984-2402

Dauphin Office

Fisheries and Oceans Canada
101-1st Avenue N.W.
Dauphin, Manitoba
R7N 1G8
Tel: (204) 622-4060
Fax: (204) 622-4066

Aussi disponible en français

http://www.dfo-mpo.gc.ca/oceans-habitat/habitat/modernizing-moderniser/epmp-pmpe/index_f.asp

DFO/2007-1329

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Stantec Consulting Ltd.
100-1355 Taylor Avenue
Winnipeg, MB R3M 3Y9
Tel: (204) 928-8840
Fax: (204) 284-4795

To:	Referrals Coordinator	From:	Tina Yuen
Company:	Fisheries & Oceans Canada Manitoba District Freshwater Institute	<input type="checkbox"/>	For Your Information
		<input checked="" type="checkbox"/>	For Your Approval
		<input checked="" type="checkbox"/>	For Your Review
		<input type="checkbox"/>	As Requested
Address:	501 University Crescent Winnipeg, MB R3T 2N6		
Phone:	(204) 983-5000		
Date:	February 7, 2014		
File:	113732050		
Delivery:	Mail		

Reference: Approval Letter for Proposed Rehabilitation of Greater Winnipeg Water District Railway Bridge Located East of Ross, Manitoba – Mile 41.3

Enclosed with this transmittal are the following attachments for your review and approval.

Attachment:

Copies	Pages	Description
1	3	Approval Letter
1	3	Site Photographs
1	2	Notification Form

If you have any questions, please contact me by email or phone.

Stantec Consulting Ltd.,

Tina Yuen
Phone: (204) 928-8840
Cell: (204) 891-8206
tina.yuen@stantec.com



February 7, 2014
File: 113732050

Attention: Referrals Coordinator
Fisheries & Oceans Canada
Manitoba District
Freshwater Institute
501 University Crescent
Winnipeg, MB R3T 2N6

Dear To Whom It May Concern,

**Reference: Proposed Rehabilitation of Greater Winnipeg Water District Railway Bridge
Located East of Ross, Manitoba – Mile 41.3**

The City of Winnipeg proposes to rehabilitate an existing bridge over the Brokenhead River as part of their Capital Renewal Program. The existing bridge is a two span timber tressel bridge structure. The current existing bridge has rails used as piles for the wingwalls. The steel rails do not have the capacity to resist the lateral earth pressure. Hence, wingwalls of the existing bridge have shifted towards the river due to lateral earth pressure, which can potentially cause problems during the spring flood seasons. Due to signs of rot, the struts and pier pile cap should also be replaced. The City of Winnipeg would like to install steel H-piles in front of the existing timber wingwalls to stabilize movements, and to replace the rotten struts and pier pile cap.

The construction of the Railway Bridge should not disturb the Brokenhead River and aquatic life within. The proposed construction schedule is tentatively set for spring 2014 to summer 2014. The existing steel rail wingwall piles will be replaced with steel H-piles. The struts and pier pile cap will be removed and replaced with a chain and a backhoe, while following in accordance to in-water restrictions and guidelines. Construction is expected to begin in spring 2014. Bridge rehabilitation is expected to be completed by summer 2014.

Replacement of steel H-piles, struts and the pier pile cap will cause minimal disturbance to Brokenhead River. Work will be done during the spring season of 2014 and be completed in 2014. Environmental protection devices will be proposed to help reduce and prevent construction debris and material from entering Brokenhead River.

Installation Method for Steel H-Piles

Installing the proposed steel H-piles should not affect fish habitat, provided that care is taken during the installation process. Installing the piles would require the use of a pile driving crane, which would be a diesel or a gravity drop hammer. The piles are then placed into their surveyed location and pounded into the ground.



Reference: Proposed Rehabilitation of Greater Winnipeg Water District Railway Bridge Located East of Ross, Manitoba – Mile 41.3

The wingwall piles are located outside of the existing waterway; therefore, construction of the piles will not adversely affect the environment.

Replacement of Struts and Pier Pile Cap

Replacement of struts and the pier pile cap would be clean and simple. The removal and replacement of the struts can be done from top of deck without any in-water work. However, there are two possible ways to remove and replace the pier pile cap. The first method would not require any in-water work. Hence, ties and steel rails will be removed from top of deck before accessing the pier pile cap. After removal of the rails, the pier pile cap would then be removed from the top of deck by a crane. Once the pile cap has been removed, a new pile cap can then be replaced by the use of a crane. The second method to replace the pile cap would require in-water work. This method would consist of shoring the piles and using a jack to raise the bridge during the process of removing the pile cap from underneath the bridge. However, the contractor will be the one that decides which removal and replacement method to use after the project has been awarded.

Construction Regulations

Stantec is familiar with DFO regulations and have completed numerous bridge replacement projects involving DFO approvals. The legal contract and technical specification for construction will reference the regulatory approval letters. A hard copy of Stantec's letter requesting approval and the Letters of Advice, or approval letters, received from the regulatory bodies will be attached to the tender documents forming part of the legal contract.

As part of our sediment and erosion control mitigation measures, Stantec requests for the following tasks to be implemented throughout the course of construction:

- Removing debris from the ice with shovels or heavy machinery.
- Installation of silt fences, isolating our abutment construction areas upon river thaw.
- No in-water construction to be undertaken between May through August.
- Non-reusable demolition or construction materials will be disposed of in an authorized waste disposal ground.
- Demolition materials will not be allowed to enter Brokenhead River.
- Construction will be halted during periods of heavy rainfall.
- Stock piled backfill material will be covered with poly during heavy rainfall events and if to remain on site for an extended period of time.
- Riprap to be placed to the water's edge and not within the river.
- The riprap will be clean fieldstone or quarried rock, free of fines.
- Construction machinery may not be refueled or serviced within 100m adjacent to Brokenhead River or any body of water.



**Reference: Proposed Rehabilitation of Greater Winnipeg Water District Railway Bridge Located East of Ross,
Manitoba – Mile 41.3**

- All construction work shall be performed in a workmanship like manner and shall be in accordance with “Manitoba Stream Crossing Guidelines for the Protection of Fish and Fish Habitat”.
- At no time shall the arm of a backhoe or any other machinery extensions enter the waterway where exposed hydraulic cylinders, engines or other devices containing grease, oil, gas and other toxins could enter and contaminate the waterway and environment.
- The contractor shall have on site at all times, oil absorbent pads in the event of an oil spill or accidental submergence of toxin covered machinery occurs.
- The excavated material for abutment construction shall be placed where it is not likely to erode or be washed into the waterway.

Attached are photos of the existing timber structure along with our preliminary general arrangement drawing. Please review the provided information as soon as possible and advise if further information is required. Please contact the undersigned for further questions or information.

Regards,

STANTEC CONSULTING LTD.

Tina Yuen
Phone: (204) 489-5900
Cell: (204) 891-8206

Fax: (204) 453-9012
tina.yuen@stantec.com

**Attachment: Photographs
Notification Form**

MP 41.3



Looking east towards SU1.



Deck top, typical.



Downstream looking north.



Upstream looking south.



North elevation.



South elevation.



Deck-Rails, typical.



Deck-Ties, typical.



West abutment SU1.

MP 41.3



East abutment SU3.



NE wingwall.



NW wingwall.



SE wingwall.



SW wingwall.



Pier SU2 looking east.



Approach-Ties. Note rot.



Approach ballast. Note mudding.



Abutment SU3 cap, south end.
Note rot.

MP 41.3



Deck-Rails. Note jacked spikes.



SU1 P1 core. Note no rot found.



Span 1 longitudinal brace. Note rot.



Span 2 longitudinal brace. Note rot.



Pier SU2 cap. Note rot.



Pier SU2 cap. Note rot.



NOTIFICATION FORM

Fisheries and Oceans Canada
Manitoba Operational Statement

Version 3.0

PROPONENT INFORMATION

NAME: City of Winnipeg Public Works Department,
Rob Carroll
CITY/TOWN: Winnipeg
TEL. NO. (RESIDENCE):
FAX NO.:

STREET ADDRESS: 1155 Pacific Avenue
PROVINCE/TERRITORY: Manitoba
TEL. NO. (WORK): (204) 986-6006
EMAIL ADDRESS: rcarroll@winnipeg.ca

POSTAL CODE: R3E 3P1

CONTRACTOR INFORMATION (provide this information if a Contractor is working on behalf of the Proponent)

NAME: Stantec Consulting Ltd.
CITY/TOWN: Winnipeg
TEL. NO. (RESIDENCE):
FAX NO.: (204) 284-4795

STREET ADDRESS: 100-1355 Taylor
Avenue
PROVINCE/TERRITORY: Manitoba
TEL. NO. (WORK): (204) 928-8840
EMAIL ADDRESS: tina.yuen@stantec.com

POSTAL CODE: R3M 3Y9

PROJECT INFORMATION

Select Operational Statements that are being used (check all applicable boxes):

- | | | |
|---|---|---|
| <input type="checkbox"/> Aquatic Vegetation Removal | <input type="checkbox"/> High-Pressure Directional Drilling | <input type="checkbox"/> Public Beach Maintenance |
| <input type="checkbox"/> Beach Creation for Residential Use | <input type="checkbox"/> Ice Bridges and Snow Fills | <input type="checkbox"/> Punch & Bore Crossings |
| <input type="checkbox"/> Beaver Dam Removal | <input type="checkbox"/> Isolated Pond Construction | <input type="checkbox"/> Routine Maintenance Dredging |
| <input checked="" type="checkbox"/> Bridge Maintenance | <input type="checkbox"/> Isolated or Dry Open-cut Stream Crossings | <input type="checkbox"/> Submerged Log Salvage |
| <input type="checkbox"/> Clear-Span Bridges | <input type="checkbox"/> Maintenance of Riparian Vegetation in Existing Rights-of-Way | <input type="checkbox"/> Temporary Stream Crossing |
| <input type="checkbox"/> Culvert Maintenance | <input type="checkbox"/> Moorings | <input type="checkbox"/> Underwater Cables |
| <input type="checkbox"/> Dock and Boathouse Construction | <input type="checkbox"/> Overhead Line Construction | |

Select the type of water body or watercourse at or near your project:

- | | |
|--|---|
| <input checked="" type="checkbox"/> River, Stream, Creek | <input type="checkbox"/> Pond or wetland (pond is less than 8 hectares) |
| <input type="checkbox"/> Lake (8 hectares or greater) | <input type="checkbox"/> Estuary |
| <input type="checkbox"/> Marine (Ocean or Sea) | |

PROJECT LOCATION (S) (fill out this section if the project location is different from Proponent Information, append multiple project locations on an additional sheet if necessary)

Name of water body or watercourse Brokenhead River	Coordinates of the Project (UTM co-ordinate or Degrees, Minutes, Seconds), if available Easting: 690259 Northing: 5516014 Latitude: Longitude:
Legal Description (Quarter-Section-Township-Range, Meridian, Plan, Block, Lot) Twp: 10; Section: 5; Range: 8E	Directions to Access the Project Site (i.e., Route or highway number, etc.) Site is located Southeast of Anola, Manitoba on No 53 Rd. Directions are to go south on Hwy #12 from Anola, turn east on Rosewood Rd., turn north on Mun Road-No 46 Rd E, turn east on No 52 Rd, and 1/2 a mile east from No 52 Rd and Forestry Rd intersection.
Proposed Start Date (YYYY/MM/DD): 2014/05/01	Proposed Completion Date (YYYY/MM/DD): 2014/08/31

We ask that you notify DFO, preferably 10 working days before starting your work, by filling out and sending in, by mail or by fax, this notification form to the DFO office in your area. This information is requested in order to evaluate the effectiveness of the work carried out in relation to the Operational Statement.

I, Tina Yuen (print name) certify that the information given on this form is, to the best of my knowledge, correct and complete.

Signature Date February 7, 2014

Note: If you cannot meet all of the conditions and cannot incorporate all of the measures in the Operational Statement then your project may result in a violation of subsection 35(1) of the *Fisheries Act* and you could be subject to enforcement action. In this case, you should contact the DFO office in your area if you wish to obtain DFO's opinion on the possible options you should consider to avoid contravention of the *Fisheries Act*.

Information about the above-noted proposed work or undertaking is collected by DFO under the authority of the *Fisheries Act* for the purpose of administering the fish



habitat protection provisions of the *Fisheries Act*. Personal information will be protected under the provisions of the *Privacy Act* and will be stored in the Personal Information Bank DFO-SCI-605. Under the *Privacy Act*, individuals have a right to, and on request shall be given access to, any personal information about them contained in a personal information bank. Instructions for obtaining personal information are contained in the Government of Canada's Info Source publications available at www.infosource.gc.ca or in Government of Canada offices. Information other than "personal" information may be accessible or protected as required by the provisions of the *Access to Information Act*.

FISHERIES AND OCEANS CANADA OFFICES IN MANITOBA

Winnipeg Office

Fisheries and Oceans Canada
Freshwater Institute
501 University Crescent
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Tel: (204) 983-5163
Fax: (204) 984-2402

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101-1st Avenue N.W.
Dauphin, Manitoba
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Tel: (204) 622-4060
Fax: (204) 622-4066

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http://www.dfo-mpo.gc.ca/oceans-habitat/habitat/modernizing-moderniser/epmp-pmpe/index_f.asp

DFO/2007-1329

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James, Codi

From: Yuen, Tina
Sent: Friday, February 21, 2014 2:23 PM
To: Boissonneault, Mike; James, Codi
Subject: FW: Approval Letter for GWWD Mile 22.15 14-HCAA-00170

FYI

From: Cooper, Jenie [mailto:Jenie.Cooper@dfo-mpo.gc.ca] **On Behalf Of** Fisheries Protection
Sent: Friday, February 21, 2014 2:00 PM
To: Yuen, Tina
Subject: RE: Approval Letter for GWWD Mile 22.15 14-HCAA-00170

The Fisheries Protection Program (the Program) of Fisheries and Oceans Canada received your proposal on February 7, 2014.

Based on the information provided, your proposal has been identified as a project where a *Fisheries Act* authorization is not required given that serious harm to fish can be avoided by following standard measures. Proposals in this category are not considered to need an authorization from the Program under the *Fisheries Act* in order to proceed. In order to comply with the Act, it is recommended that you follow our guidance tools which can be found at the following website (<http://www.dfo-mpo.gc.ca/pnw-ppe/measures-mesures/index-eng.html>). It remains your responsibility to meet the other requirements of federal, provincial and municipal agencies.

Should your plans change or if you have omitted some information in your proposal such that your proposal meets the criteria for a site specific review, as described on our website (<http://www.dfo-mpo.gc.ca/pnw-ppe/index-eng.html>), you should complete and submit the request for review form that is also available on the website.

Should you have any questions or concerns about the compliance of your proposal with the *Fisheries Act*, you may wish to engage an environmental professional familiar with measures to avoid impacts to fish and fish habitat (<http://www.dfo-mpo.gc.ca/pnw-ppe/env-pro-eng.html>).

Yours sincerely,

Jenie Cooper

Fisheries Protection Program | Programme de Protection des Pêches
Fisheries and Oceans Canada | Pêches et Océans Canada
867 Lakeshore Road | 867 Chemin Lakeshore
P.O. Box 5050 | Boîte postale 5050
Burlington, ON, L7R 4A6

Tel | Tél: 905-336-4886; Fax | Téléc: 905-336-4447

Jenie.Cooper@dfo-mpo.gc.ca

Web site | site Web: <http://www.dfo-mpo.gc.ca/habitat>
Government of Canada | Gouvernement du Canada

Fisheries and Oceans Canada has changed the way new project proposals (referrals), reports of potential *Fisheries Act* violations (occurrences) and information requests are managed in Central and Arctic Region (Alberta, Saskatchewan, Manitoba, Ontario, Nunavut and the Northwest Territories). Please be advised that general information regarding the management of impacts to fish and fish habitat and self-assessment tools that enable you to determine *Fisheries Act* requirements are available at DFO's "Working Near Water" website at <http://www.dfo-mpo.gc.ca/habitat/habitat-eng.htm>. For all occurrence reports, or project proposals where you have determined, following self-assessment, that you cannot avoid impacts to fish and fish habitat, please submit to fisheriesprotection@dfo-mpo.gc.ca. For general inquiries you can also call 1 855 852-8320.

From: Yuen, Tina [<mailto:Tina.Yuen@stantec.com>]

Sent: February 7, 2014 5:13 PM

To: Fisheries Protection

Subject: Approval Letter for GWWD Mile 22.15

Hello,

Attached with this email are letters and forms for your review/approval for bridge work to be done on GWWD Mile 22.15 Bridge, located South of Glass, Manitoba.

Please let me know if you have any questions or concerns.

Tina Yuen

Transportation

Stantec

100 - 1355 Taylor Avenue Winnipeg MB R3M 3Y9

Phone: (204) 928-8840

Cell: (204) 891-8206

Fax: (204) 284-4795

tina.yuen@stantec.com



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stantec.com



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Please consider the environment before printing this email.

James, Codi

From: Yuen, Tina
Sent: Friday, February 21, 2014 2:24 PM
To: Boissonneault, Mike; James, Codi
Subject: FW: Approval Letter for GWWD Mile 41.3 14-HCAA-00168

From: Cooper, Jenie [mailto:Jenie.Cooper@dfo-mpo.gc.ca] **On Behalf Of** Fisheries Protection
Sent: Friday, February 21, 2014 1:01 PM
To: Yuen, Tina
Subject: RE: Approval Letter for GWWD Mile 41.3 14-HCAA-00168

The Fisheries Protection Program (the Program) of Fisheries and Oceans Canada received your proposal on February 7, 2014.

Based on the information provided, your proposal has been identified as a project where a *Fisheries Act* authorization is not required given that serious harm to fish can be avoided by following standard measures. Proposals in this category are not considered to need an authorization from the Program under the *Fisheries Act* in order to proceed. In order to comply with the Act, it is recommended that you follow our guidance tools which can be found at the following website (<http://www.dfo-mpo.gc.ca/pnw-ppe/measures-mesures/index-eng.html>). It remains your responsibility to meet the other requirements of federal, provincial and municipal agencies.

Should your plans change or if you have omitted some information in your proposal such that your proposal meets the criteria for a site specific review, as described on our website (<http://www.dfo-mpo.gc.ca/pnw-ppe/index-eng.html>), you should complete and submit the request for review form that is also available on the website.

Should you have any questions or concerns about the compliance of your proposal with the *Fisheries Act*, you may wish to engage an environmental professional familiar with measures to avoid impacts to fish and fish habitat (<http://www.dfo-mpo.gc.ca/pnw-ppe/env-pro-eng.html>).

Yours sincerely,

Jenie Cooper

Fisheries Protection Program | Programme de Protection des Pêches
Fisheries and Oceans Canada | Pêches et Océans Canada
867 Lakeshore Road | 867 Chemin Lakeshore
P.O. Box 5050 | Boîte postale 5050
Burlington, ON, L7R 4A6

Tel | Tél: 905-336-4886; Fax | Téléc: 905-336-4447

Jenie.Cooper@dfo-mpo.gc.ca

Web site | site Web: <http://www.dfo-mpo.gc.ca/habitat>
Government of Canada | Gouvernement du Canada

Fisheries and Oceans Canada has changed the way new project proposals (referrals), reports of potential *Fisheries Act* violations (occurrences) and information requests are managed in Central and Arctic Region (Alberta, Saskatchewan, Manitoba, Ontario, Nunavut and the Northwest Territories). Please be advised that general information regarding the management of impacts to fish and fish habitat and self-assessment tools that enable you to determine *Fisheries Act* requirements are available at DFO's "Working Near Water" website at <http://www.dfo-mpo.gc.ca/habitat/habitat-eng.htm>. For all occurrence reports, or project proposals where you have determined, following self-assessment, that you cannot avoid impacts to fish and fish habitat, please submit to fisheriesprotection@dfo-mpo.gc.ca. For general inquiries you can also call 1 855 852-8320.

From: Yuen, Tina [<mailto:Tina.Yuen@stantec.com>]
Sent: February 7, 2014 5:05 PM
To: Fisheries Protection
Subject: Approval Letter for GWWD Mile 41.3 14-HCAA-00168

Hello,

Attached with this email are letters and forms for your review/approval for bridge work to be done on GWWD Mile 41.3 Bridge, located East of Ross, Manitoba.

Please let me know if you have any questions or concerns.

Tina Yuen

Transportation

Stantec
100 - 1355 Taylor Avenue Winnipeg MB R3M 3Y9

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Stantec Consulting Ltd.
100-1355 Taylor Avenue
Winnipeg, MB R3M 3Y9
Tel: (204) 928-8840
Fax: (204) 284-4795

To:	Referrals Coordinator	From:	Tina Yuen
Company:	Fisheries & Oceans Canada Manitoba District Freshwater Institute	<input type="checkbox"/>	For Your Information
		<input checked="" type="checkbox"/>	For Your Approval
		<input checked="" type="checkbox"/>	For Your Review
		<input type="checkbox"/>	As Requested
Address:	501 University Crescent Winnipeg, MB R3T 2N6		
Phone:	(204) 983-5000		
Date:	February 24, 2014		
File:	113732050		
Delivery:	Mail		

Reference: Approval Letter for Proposed Replacement of Greater Winnipeg Water District Railway Bridge in East Braintree – Mile 77.6

Enclosed with this transmittal are the following attachments for your review and approval.

Attachment:

Copies	Pages	Description
1	4	Approval Letter
1	1	General Arrangement Drawing
1	4	Site Photographs
1	2	Notification Form

If you have any questions, please contact me by email or phone.

Stantec Consulting Ltd.,

Codi James
Phone: (204) 478-8959
codi.james@stantec.com



February 24, 2014
File: 113732050

Attention: Referrals Coordinator
Fisheries & Oceans Canada
Manitoba District
Freshwater Institute
501 University Crescent
Winnipeg, MB R3T 2N6

Dear To Whom It May Concern,

Reference: Proposed Replacement of Greater Winnipeg Water District Railway Bridge in East Braintree Manitoba – Mile 77.6

The City of Winnipeg proposes to replace an existing bridge over the Boggy River as part of their Capital Renewal Program. The existing bridge is a six span timber tressel bridge structure. The existing timber pile bents are braced which causes problems during the spring flood seasons. Debris are caught and collected in the bracings, which then disturbs the natural flow of the river. The City of Winnipeg would like to replace the aging multi-span timber structure with a single span Through Plate Girder (TPG) bridge. The proposed single span bridge will comprise of a newly fabricated weather steel TGP span founded on reinforced concrete abutments and driven steel H-piles.

The construction of the proposed Railway Bridge should not disturb the Boggy River and aquatic life within. The proposed construction schedule is tentatively set for winter 2014 to spring 2014. The existing timber bridge will be removed up to the ice level, leaving the timber cut piles below the ice. Once the ice melts in the spring, according to in-stream work restrictions, the remaining piles will then be removed with a chain and a backhoe. Construction is expected to begin in winter 2014. Bridge replacement is expected to be completed by spring 2014.

The proposed replacement bridge will be a single span TPG, to avoid in-stream construction of a pier. The opening under the replacement bridge will be larger than the previous bridge as the existing piers and bracing will be removed. Therefore, the bracings will no longer impede the flow of the river. Removal of the existing abutments and piers will cause minimal disturbance to Boggy River. The removal of the existing structure is short term and will be done during the winter season of 2014. Environmental protection devices will be proposed to help reduce and prevent construction debris and material from entering Boggy River.

Installation Method for Steel H-Piles

The proposed TPG span length is 30.00m long. Installing the proposed steel H-piles should not affect fish habitat, provided that care is taken during the installation process. Installing the piles would require the



**Reference: Proposed Replacement of Greater Winnipeg Water District Railway Bridge in East Braintree
Manitoba – Mile 77.6**

use of a pile driving crane, which would be a diesel or a gravity drop hammer. The piles are then placed into their surveyed location and pounded into the ground.

Once the piles have been installed, the abutments can then be constructed. Construction of the abutments will comprise of following the standard concrete construction practice. Untreated wood forms will be used to support wet concrete until it hardens. The proposed abutments are located outside of the existing waterway; therefore, construction of the abutments will not adversely affect the environment.

Installation Method for the TPG Span

Installing the superstructure would be clean and simple. The salvaged steel TPG span will be hauled to site and installed using a crane or launch method. The launch method consists of placing large temporary steel beams, spanning the abutments, with the TPG span placed on top, and is then pushed from one end to the other on top of the temporary launching beams. Once the TPG is horizontally positioned, the TPG span will be raised with hydraulic jacks to remove the temporary launching beams, and then the TPG would be lowered onto the bearings. The contractor will be the one that develops the installation procedure after project has been awarded.

Embankments

As part of the bridge replacement, the east and west abutment embankments will be reshaped as the abutments have been relocated outward towards the river. The embankments will be shaped locally around the abutments to provide a stable slope for suitable riprap placement. Modifications to the embankments will be minimal and will be leveled to the existing embankment to prevent rutting and unevenness while during construction. The embankments will be protected by 450 - mm nominal field stone riprap. The riprap will be cleaned and free of fines prior to placing. The embankments are not to be reshaped below the water level.

Construction Regulations

Stantec is familiar with DFO regulations and have completed numerous bridge replacement projects involving DFO approvals. The legal contract and technical specification for construction will reference the regulatory approval letters. A hard copy of Stantec's letter requesting approval and the Letters of Advice, or approval letters, received from the regulatory bodies will be attached to the tender documents forming part of the legal contract.

As part of our sediment and erosion control mitigation measures, Stantec requests for the following tasks to be implemented throughout the course of construction:

- Removing debris from the ice with shovels or heavy machinery.
- Installation of silt fences, isolating our abutment construction areas upon river thaw.
- No in-water construction to be undertaken between January through April.



February 24, 2014 Referrals Coordinator
Page 3 of 4

**Reference: Proposed Replacement of Greater Winnipeg Water District Railway Bridge in East Braintree
Manitoba – Mile 77.6**

- Non-reusable demolition or construction materials will be disposed of in an authorized waste disposal ground.
- Demolition materials will not be allowed to enter Boggy River.
- Construction will be halted during periods of heavy rainfall.
- Stock piled backfill material will be covered with poly during heavy rainfall events and if to remain on site for an extended period of time.
- Riprap to be placed to the water's edge and not within the river.
- The riprap will be clean fieldstone or quarried rock, free of fines.
- Construction machinery may not be refueled or serviced within 100m adjacent to Boggy River or any body of water.
- All construction work shall be performed in a workmanship like manner and shall be in accordance with "Manitoba Stream Crossing Guidelines for the Protection of Fish and Fish Habitat".
- At no time shall the arm of a backhoe or any other machinery extensions enter the waterway where exposed hydraulic cylinders, engines or other devices containing grease, oil, gas and other toxins could enter and contaminate the waterway and environment.
- The contractor shall have on site at all times, oil absorbent pads in the event of an oil spill or accidental submergence of toxin covered machinery occurs.
- The excavated material for abutment construction shall be placed where it is not likely to erode or be washed into the waterway.

Attached are photos of the existing timber structure along with our preliminary general arrangement drawing. Please review the provided information as soon as possible and advise if further information is required. Please contact the undersigned for further questions or information.

Regards,

STANTEC CONSULTING LTD.

Codi James
Phone: (204) 489-8959
Fax: (204) 453-9012
codi.james@stantec.com



February 24, 2014 Referrals Coordinator
Page 4 of 4

**Reference: Proposed Replacement of Greater Winnipeg Water District Railway Bridge In East Braintree
Manitoba – Mile 77.6**

**Attachment: General Arrangement Drawing
Photographs
Notification Form**

V:\1137\active\113732050\correspondence\201_agency\DFO

East Braintree Mile 77.6
Site Photos from 2006





NOTIFICATION FORM

Fisheries and Oceans Canada
Manitoba Operational Statement

Version 3.0

PROPONENT INFORMATION

NAME: City of Winnipeg Public Works Department,
Rob Carroll
CITY/TOWN: Winnipeg
TEL. NO. (RESIDENCE):
FAX NO.:

STREET ADDRESS: 1155 Pacific Avenue
PROVINCE/TERRITORY: Manitoba
TEL. NO. (WORK): (204) 986-6006
EMAIL ADDRESS: rcarroll@winnipeg.ca
POSTAL CODE: R3E 3P1

CONTRACTOR INFORMATION (provide this information if a Contractor is working on behalf of the Proponent)

NAME: Stantec Consulting Ltd.
CITY/TOWN: Winnipeg
TEL. NO. (RESIDENCE):
FAX NO.: (204) 284-4795

STREET ADDRESS: 100-1355 Taylor
Avenue
PROVINCE/TERRITORY: Manitoba
TEL. NO. (WORK): (204) 478-8959
EMAIL ADDRESS: codi.james@stantec.com
POSTAL CODE: R3M 3Y9

PROJECT INFORMATION

Select Operational Statements that are being used (check all applicable boxes):

- | | | |
|---|---|---|
| <input type="checkbox"/> Aquatic Vegetation Removal | <input type="checkbox"/> High-Pressure Directional Drilling | <input type="checkbox"/> Public Beach Maintenance |
| <input type="checkbox"/> Beach Creation for Residential Use | <input type="checkbox"/> Ice Bridges and Snow Fills | <input type="checkbox"/> Punch & Bore Crossings |
| <input type="checkbox"/> Beaver Dam Removal | <input type="checkbox"/> Isolated Pond Construction | <input type="checkbox"/> Routine Maintenance Dredging |
| <input type="checkbox"/> Bridge Maintenance | <input type="checkbox"/> Isolated or Dry Open-cut Stream Crossings | <input type="checkbox"/> Submerged Log Salvage |
| <input checked="" type="checkbox"/> Clear-Span Bridges | <input type="checkbox"/> Maintenance of Riparian Vegetation in Existing Rights-of-Way | <input type="checkbox"/> Temporary Stream Crossing |
| <input type="checkbox"/> Culvert Maintenance | <input type="checkbox"/> Moorings | <input type="checkbox"/> Underwater Cables |
| <input type="checkbox"/> Dock and Boathouse Construction | <input type="checkbox"/> Overhead Line Construction | |

Select the type of water body or watercourse at or near your project:

- | | |
|--|---|
| <input checked="" type="checkbox"/> River, Stream, Creek | <input type="checkbox"/> Pond or wetland (pond is less than 8 hectares) |
| <input type="checkbox"/> Lake (8 hectares or greater) | <input type="checkbox"/> Estuary |
| <input type="checkbox"/> Marine (Ocean or Sea) | |

PROJECT LOCATION (S) (fill out this section if the project location is different from Proponent Information, append multiple project locations on an additional sheet if necessary)

Name of water body or watercourse Boggy River	Coordinates of the Project (UTM co-ordinate or Degrees, Minutes, Seconds), if available Easting: _____ Northing: _____ Latitude: 49° 37' 15" Longitude: 95° 37' 45"
Legal Description (Quarter-Section-Township-Range, Meridian, Plan, Block, Lot) sec 33 - twp 7 - rge 14	Directions to Access the Project Site (i.e., Route or highway number, etc.) Travel east on the Trans-Canada Hwy toward Kenora, turn onto MB-308S, stay on 308S for approximately 550 metres, approach bridge on west side.
Proposed Start Date (YYYY/MM/DD): 2014/01/10	Proposed Completion Date (YYYY/MM/DD): 2014/04/31

We ask that you notify DFO, preferably 10 working days before starting your work, by filling out and sending in, by mail or by fax, this notification form to the DFO office in your area. This information is requested in order to evaluate the effectiveness of the work carried out in relation to the Operational Statement.

I, Codi James (print name) certify that the information given on this form is, to the best of my knowledge, correct and complete.

Signature  Date February 24, 2014

Note: If you cannot meet all of the conditions and cannot incorporate all of the measures in the Operational Statement then your project may result in a violation of subsection 35(1) of the *Fisheries Act* and you could be subject to enforcement action. In this case, you should contact the DFO office in your area if you wish to obtain DFO's opinion on the possible options you should consider to avoid contravention of the *Fisheries Act*.

Information about the above-noted proposed work or undertaking is collected by DFO under the authority of the *Fisheries Act* for the purpose of administering the fish habitat protection provisions of the *Fisheries Act*. Personal information will be protected under the provisions of the *Privacy Act* and will be stored in the Personal Information Bank DFO-SCI-605. Under the *Privacy Act*, individuals have a right to, and on request shall be given access to, any personal information about them contained



in a personal information bank. Instructions for obtaining personal information are contained in the Government of Canada's Info Source publications available at www.infosource.gc.ca or in Government of Canada offices. Information other than "personal" information may be accessible or protected as required by the provisions of the *Access to Information Act*.

FISHERIES AND OCEANS CANADA OFFICES IN MANITOBA

Winnipeg Office

Fisheries and Oceans Canada
Freshwater Institute
501 University Crescent
Winnipeg, Manitoba
R3T 2N6
Tel: (204) 983-5163
Fax: (204) 984-2402

Dauphin Office

Fisheries and Oceans Canada
101-1st Avenue N.W.
Dauphin, Manitoba
R7N 1G8
Tel: (204) 622-4060
Fax: (204) 622-4066

Aussi disponible en français

http://www.dfo-mpo.gc.ca/oceans-habitat/habitat/modernizing-moderniser/epmp-pmpe/index_f.asp

DFO/2007-1329

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James, Codi

From: James, Codi
Sent: Monday, February 24, 2014 10:59 AM
To: 'fisheriesprotection@dfo-mpo.gc.ca'
Subject: RE: Approval Letter for GWWD Mile 77.6
Attachments: 2014-02-24_DFO_Mile 77.6.pdf

Good morning,

Attached with this email are letters and forms for your review/approval for bridge work to be done on GWWD Mile 77.6 Bridge, located at East Braintree in Manitoba.

Please let me know if you have any questions or concerns.

Thank you,

Codi James

Bridge Technologist
Stantec
100 - 1355 Taylor Avenue Winnipeg MB R3M 3Y9
Phone: (204) 928-8840
Cell: (204) 227-5003
Fax: (204) 284-4795
Codi.James@stantec.com



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 Please consider the environment before printing this email.

James, Codi

From: Cooper, Jenie <Jenie.Cooper@dfo-mpo.gc.ca> on behalf of Fisheries Protection <fisheriesprotection@dfo-mpo.gc.ca>
Sent: Tuesday, February 25, 2014 1:21 PM
To: James, Codi
Subject: RE: Approval Letter for GWWD Mile 77.6

Hi Codi,

We did review this file, for some reason, I didn't find it in our database when I did a quick search. Sorry about the inconvenience.

We did review this project already, we received it Dec 19, 2013. Our file title is Bridge Replacement, Boggy River, East Braintree and file number is 13-HCAA-CA1-01692.

I sent Tina an email on Jan. 8, 2014 saying:

The Fisheries Protection Program (the Program) of Fisheries and Oceans Canada received your proposal on December 19, 2013.

Based on the information provided, your proposal has been identified as a project where a Fisheries Act authorization is not required given that serious harm to fish can be avoided by following standard measures. Proposals in this category are not considered to need an authorization from the Program under the Fisheries Act in order to proceed. In order to comply with the Act, it is recommended that you follow our guidance tools which can be found at the following website (<<http://www.dfo-mpo.gc.ca/pnw-ppe/asures-mesures/index-eng.html>>). It remains your responsibility to meet the other requirements of federal, provincial and municipal agencies.

Should your plans change or if you have omitted some information in your proposal such that your proposal meets the criteria for a site specific review, as described on our website (<<http://www.dfo-mpo.gc.ca/pnw-ppe/index-eng.html>>), you should complete and submit the request for review form that is also available on the website.

Should you have any questions or concerns about the compliance of your proposal with the Fisheries Act, you may wish to engage an environmental professional familiar with measures to avoid impacts to fish and fish habitat (<<http://www.dfo-mpo.gc.ca/pnw-ppe/env-pro-eng.html>>).

Yours sincerely,

Jenie Cooper

Fisheries Protection Program | Programme de Protection des Pêches Fisheries and Oceans Canada | Pêches et Océans Canada

867 Lakeshore Road | 867 Chemin Lakeshore P.O. Box 5050 | Boîte postale 5050 Burlington, ON, L7R 4A6

Tel | Tél: 905-336-4886; Fax | Téléc: 905-336-4447

Jenie.Cooper@dfo-mpo.gc.ca <<mailto:Jenie.Cooper@dfo-mpo.gc.ca>>

Web site | site Web: <<http://www.dfo-mpo.gc.ca/habitat>> Government of Canada | Gouvernement du Canada

I hope that clarifies things better. Please let me know if you have any further questions.

Jenie Cooper

Fisheries Protection Program | Programme de Protection des Pêches
Fisheries and Oceans Canada | Pêches et Océans Canada
867 Lakeshore Road | 867 Chemin Lakeshore
P.O. Box 5050 | Boîte postale 5050
Burlington, ON, L7R 4A6

Tel | Tél: 905-336-4886; Fax | Téléc: 905-336-4447

Jenie.Cooper@dfo-mpo.gc.ca

Web site | site Web: <http://www.dfo-mpo.gc.ca/habitat>
Government of Canada | Gouvernement du Canada

Fisheries and Oceans Canada has changed the way new project proposals (referrals), reports of potential *Fisheries Act* violations (occurrences) and information requests are managed in Central and Arctic Region (Alberta, Saskatchewan, Manitoba, Ontario, Nunavut and the Northwest Territories). Please be advised that general information regarding the management of impacts to fish and fish habitat and self-assessment tools that enable you to determine *Fisheries Act* requirements are available at DFO's "Working Near Water" website at <http://www.dfo-mpo.gc.ca/habitat/habitat-eng.htm>. For all occurrence reports, or project proposals where you have determined, following self-assessment, that you cannot avoid impacts to fish and fish habitat, please submit to fisheriesprotection@dfo-mpo.gc.ca. For general inquiries you can also call 1 855 852-8320.

From: James, Codi [<mailto:Codi.James@stantec.com>]

Sent: February 24, 2014 11:59 AM

To: Fisheries Protection

Subject: RE: Approval Letter for GWWD Mile 77.6

Good morning,

Attached with this email are letters and forms for your review/approval for bridge work to be done on GWWD Mile 77.6 Bridge, located at East Braintree in Manitoba.

Please let me know if you have any questions or concerns.

Thank you,

Codi James

Bridge Technologist

Stantec

100 - 1355 Taylor Avenue Winnipeg MB R3M 3Y9

Phone: (204) 928-8840

Cell: (204) 227-5003

Fax: (204)284-4795

Codi.James@stantec.com



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Please consider the environment before printing this email.



Stantec Consulting Ltd.
 100-1355 Taylor Avenue
 Winnipeg, MB R3M 3Y9
 Tel: (204) 928-8840
 Fax: (204) 284-4795

Transmittal

To:	Yvette Labossiere	From:	Tina Yuen
Company:	Transport Canada	<input type="checkbox"/>	For Your Information
Address:	3rd Floor, 344 Edmonton Street Winnipeg, MB R3C 0P6	<input checked="" type="checkbox"/>	For Your Approval
Phone:	(888) 463-0521	<input checked="" type="checkbox"/>	For Your Review
Date:	March 3, 2014	<input type="checkbox"/>	As Requested
File:	113732050		
Delivery:	Mail		

Reference: Approval Letter for Proposed Replacement of Greater Winnipeg Water District Railway Bridge in East Braintree Manitoba – Mile 77.6

Enclosed with this transmittal are the following attachments for your review and approval.

Attachment:

Copies	Pages	Description
1	4	Approval Letter
6	1	General Arrangement Drawing
1	1	Site Photographs
1	2	Application Form

If you have any questions, please contact me by email or phone.

Stantec Consulting Ltd.,

Codi James
 Phone: (204) 478-8959
 Cell: (204) 227-5003
 codi.james@stantec.com



March 3, 2014
File: 113732050

Attention: Yvette Labossiere
Transport Canada
Navigable Waters Protection Program
3rd Floor, 344 Edmonton Street
Winnipeg, MB R3C 0P6

Dear Yvette Laboissiere,

Reference: Proposed Replacement of Greater Winnipeg Water District Railway Bridge in East Braintree Manitoba – Mile 77.6

The City of Winnipeg proposes to replace an existing bridge over the Boggy River as part of their Capital Renewal Program. The existing bridge is a six span timber tressel bridge structure. The existing timber pile bents are braced which causes problems during the spring flood seasons. Debris are caught and collected in the bracings, which then disturbs the natural flow of the river. The City of Winnipeg would like to replace the aging multi-span timber structure with a single span Through Plate Girder (TPG) bridge. The proposed single span bridge will comprise of a newly fabricated weather steel TGP span founded on reinforced concrete abutments and driven steel H-piles.

Stantec is seeking formal approval under the Navigable Waters Act, for this project. The estimated navigational clearance from the bridge soffit to the top of water level is 3.15m. The proposed single span TPG will provide a larger navigational clearance than the current existing tressel timber bridge.

The construction of the proposed Railway Bridge should not disturb the Boggy River and aquatic life within. The proposed construction schedule is tentatively set for the winter 2014 to spring 2014. The existing timber bridge will be removed up to the ice level, leaving the timber cut piles below the ice. Once the ice melts in the spring, according to in-stream work restrictions, the remaining piles will then be removed with a chain and a backhoe. Construction is expected to begin in winter 2014. Bridge replacement is expected to be completed by spring 2015.

The proposed replacement bridge will be a single span TPG, to avoid in-stream construction of a pier. The opening under the replacement bridge will be larger than the previous bridge as the existing piers and bracing will be removed. Therefore, the bracings will no longer impede the flow of the river. Removal of the existing abutments and piers will cause minimal disturbance to Boggy River. The removal of the existing structure is short term and will be done during the winter season of 2014. Environmental protection devices will be proposed to help reduce and prevent construction debris and material from entering Boggy River.



**Reference: Proposed Replacement of Greater Winnipeg Water District Railway Bridge in East Braintree
Manitoba – Mile 77.6**

Installation Method for Steel H-Piles

Installing the proposed steel H-piles should not affect fish habitat, provided that care is taken during the installation process. Installing the piles would require the use of a pile driving crane, which would be a diesel or a gravity drop hammer. The piles are then placed into their surveyed location and pounded into the ground.

Once the piles have been installed, the abutments can then be constructed. Construction of the abutments will comprise of following the standard concrete construction practice. Untreated wood forms will be used to support wet concrete until it hardens. The proposed abutments are located outside of the existing waterway; therefore, construction of the abutments will not adversely affect the environment.

Installation Method for the TPG Span

The proposed TPG span length is 30.00m long. Installing the superstructure would be clean and simple. The salvaged steel TPG span will be hauled to site and installed using a crane or launch method. The launch method consists of placing large temporary steel beams, spanning the abutments, with the TPG span placed on top, and is then pushed from one end to the other on top of the temporary launching beams. Once the TPG is horizontally positioned, the TPG span will be raised with hydraulic jacks to remove the temporary launching beams, and then the TPG would be lowered onto the bearings. The contractor will be the one that develops the installation procedure after project has been awarded.

Embankments

As part of the bridge replacement, the east and west abutment embankments will be reshaped as the abutments have been relocated outward towards the river. The embankments will be shaped locally around the abutments to provide a stable slope for suitable riprap placement. Modifications to the embankments will be minimal and will be leveled to the existing embankment to prevent rutting and unevenness while during construction. The embankments will be protected by 450 - mm nominal field stone riprap. The riprap will be cleaned and free of fines prior to placing. The embankments are not to be reshaped below the water level.

Construction Regulations

Stantec is familiar with Transport Canada regulations and have completed numerous bridge replacement projects involving Transport Canada approvals. The legal contract and technical specification for construction will reference the regulatory approval letters. A hard copy of Stantec's letter requesting approval and the Letters of Advice, or approval letters, received from the regulatory bodies will be attached to the tender documents forming part of the legal contract.

As part of our sediment and erosion control mitigation measures, Stantec requests for the following tasks to be implemented throughout the course of construction:

- Removing debris from the ice with shovels or heavy machinery.



March 3, 2014 Yvette Labossiere

Page 3 of 4

**Reference: Proposed Replacement of Greater Winnipeg Water District Railway Bridge in East Braintree
Manitoba – Mile 77.6**

- Installation of silt fences, isolating our abutment construction areas upon river thaw.
- No in-water construction to be undertaken between January through April.
- Non-reusable demolition or construction materials will be disposed of in an authorized waste disposal ground.
- Demolition materials will not be allowed to enter Boggy River.
- Construction will be halted during periods of heavy rainfall.
- Stock piled backfill material will be covered with poly during heavy rainfall events and if to remain on site for an extended period of time.
- Riprap to be placed to the water's edge and not within the river.
- The riprap will be clean fieldstone or quarried rock, free of fines.
- Construction machinery may not be refueled or serviced within 100m adjacent to Boggy River or any body of water.
- All construction work shall be performed in a workmanship like manner and shall be in accordance with "Manitoba Stream Crossing Guidelines for the Protection of Fish and Fish Habitat".
- At no time shall the arm of a backhoe or any other machinery extensions enter the waterway where exposed hydraulic cylinders, engines or other devices containing grease, oil, gas and other toxins could enter and contaminate the waterway and environment.
- The contractor shall have on site at all times, oil absorbent pads in the event of an oil spill or accidental submergence of toxin covered machinery occurs.
- The excavated material for abutment construction shall be placed where it is not likely to erode or be washed into the waterway.

Attached are photos of the existing timber structure along with our preliminary general arrangement drawing. Please review the provided information as soon as possible and advise if further information is required. Please contact the undersigned for further questions or information.

Regards,

STANTEC CONSULTING LTD.

Codi James

Phone: (204) 478-8959

Cell: (204) 227-5003

Fax: (204) 453-9012



March 3, 2014 Yvette Labossiere
Page 4 of 4

**Reference: Proposed Replacement of Greater Winnipeg Water District Railway Bridge in East Braintree
Manitoba – Mile 77.6**

codi.james@stantec.com

**Attachment: General Arrangement Drawing
Photographs
Navigable Waters Application Form**

c. Charles Boulet, IT, P.Eng., Project Engineer, City of Winnipeg

V:\1137\active\113732050\correspondence\201_agency\

East Braintree Mile 77.6
Site Photos from 2006





NAVIGABLE WATERS PROTECTION ACT REQUEST FOR WORK APPROVAL

All fields marked with an (*) must be completed

File no: 113732050
This is my first request for Transport Canada to review this project.
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

NOTE: A Minor Works Self Assessment may be required.

Owner Contact Information	I am the property owner or have secured permission from property owner	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	This is a crown work	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Full name/company *					
City of Winnipeg					
Street no.*	Street *				
1199	Pacific Avenue, Suite 110				
City/Town *			Province/Territory *		
Winnipeg			Manitoba		
Postal code *					
R3E 3S8					
Telephone no. (home) *	Telephone no. (work) *	Telephone no. (other) *	Fax no.	E-mail	
	204-986-8409				

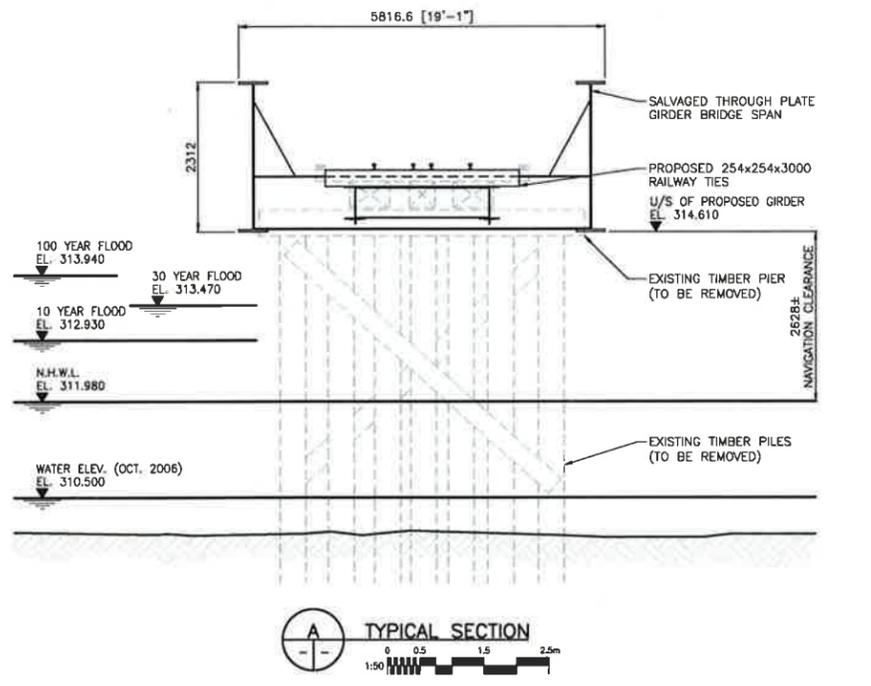
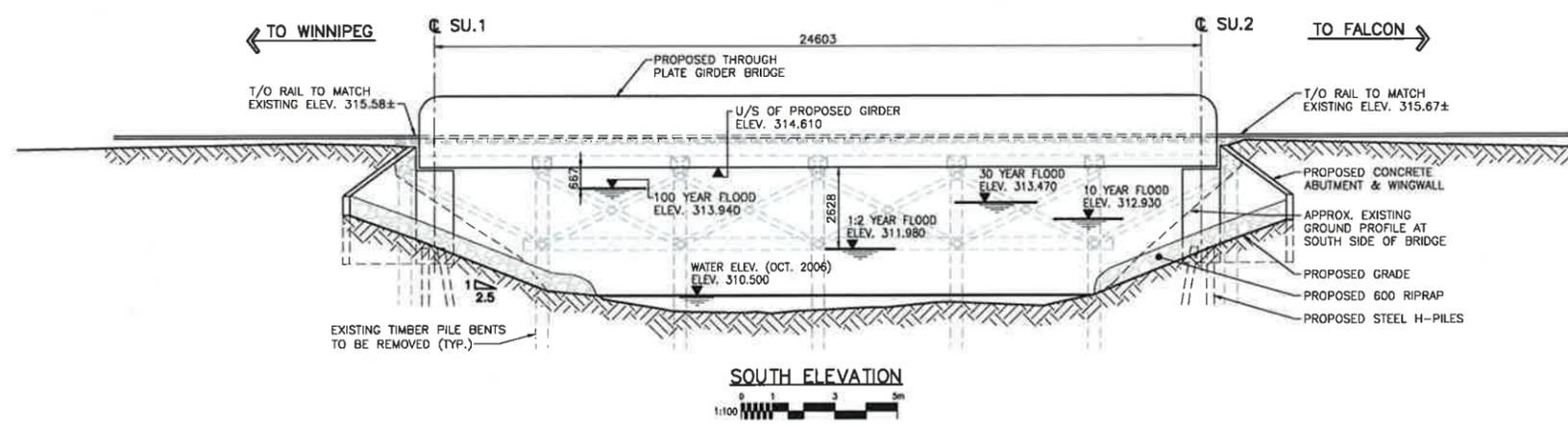
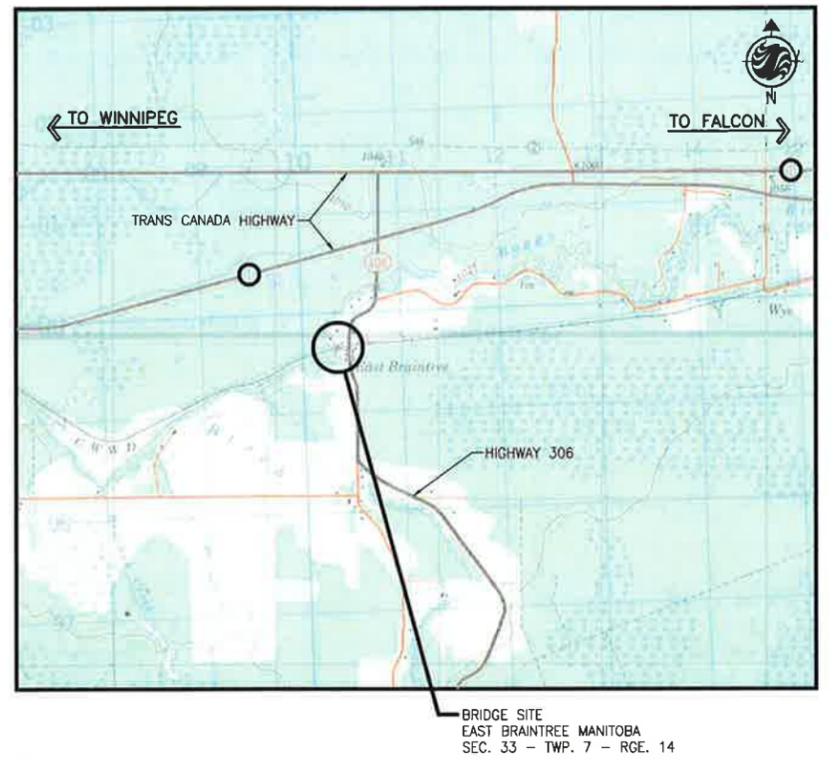
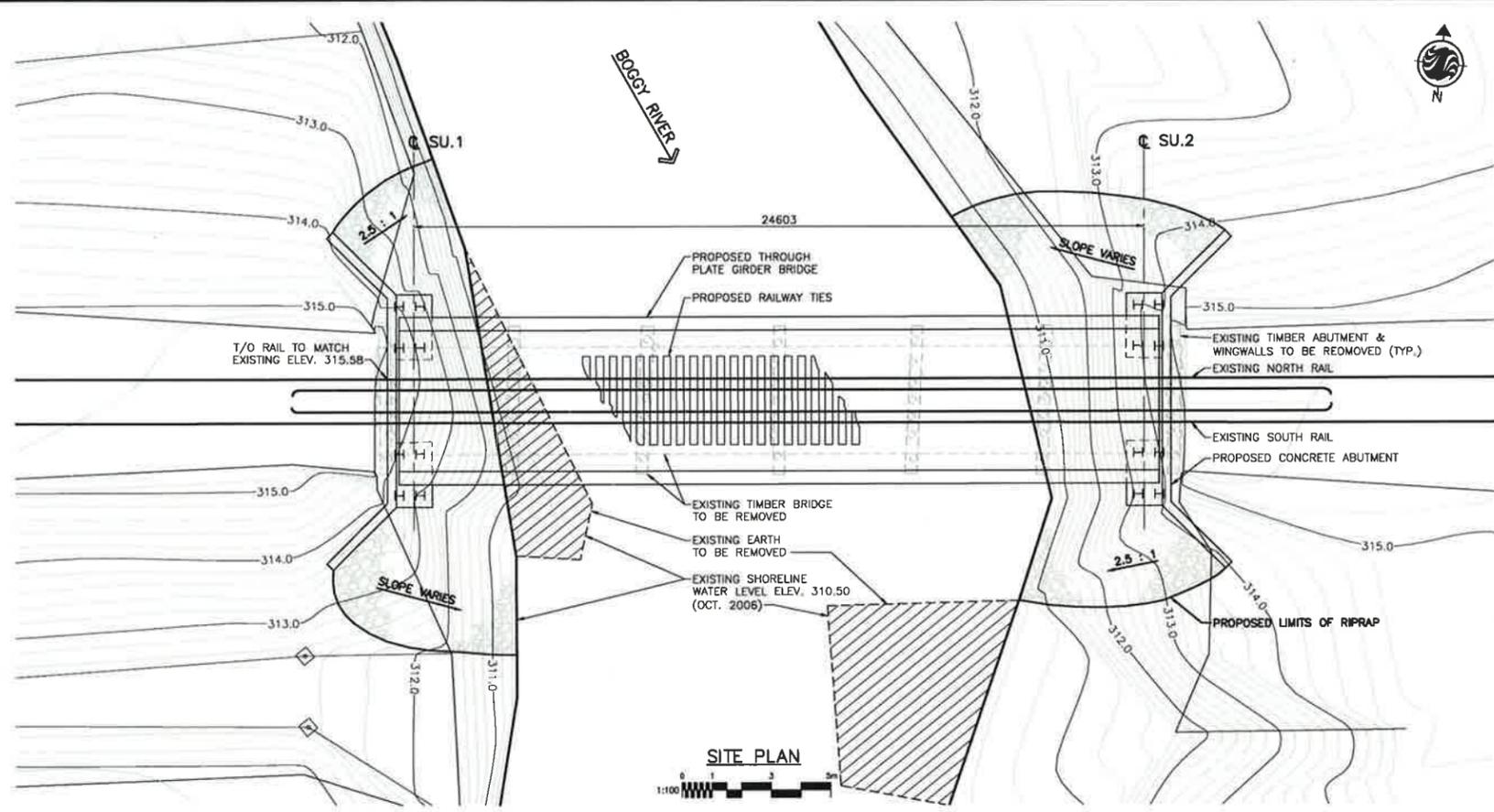
Representative (contractor/consultant/agent if any)					
Name					
Stantec Consulting Ltd.					
Street no.		Street			
1355		Taylor Avenue			
City/Town			Province/Territory		Postal code
Winnipeg			Manitoba		R3M 3Y9
Telephone no. (home)	Telephone no. (work)	Telephone no. (other)	Fax no.	E-mail	
	204-928-8840		204-284-4795	codi.james@stantec.com	

Work Site Location	
Municipality/District/County *	Province/Territory *
East braintree	Manitoba
Site description *	
Site is located on the Trans-Canada Hwy toward Kenora in East Braintree, Manitoba.	

Coordinates	
Work site:	Latitude <u>49</u> ° <u>37</u> ' <u>15</u> " N Longitude <u>95</u> ° <u>37</u> ' <u>45</u> " W
Source of coordinates: <input type="checkbox"/> Topo(s) <input type="checkbox"/> Chart(s) <input checked="" type="checkbox"/> GPS <input checked="" type="checkbox"/> Other (describe): <u>W 07-22-14E (legal land description)</u>	

Official and/or local name of waterway *		
Boggy River		
Description of known waterway use		
Boggy River flows from north to south located just south of the Trans-Canada Hwy.		
Vessel type(s)	Maximum vessel size	
Boom Truck	<input checked="" type="checkbox"/> Length <u>10.7</u> <input checked="" type="checkbox"/> Width <u>6.2</u> <input checked="" type="checkbox"/> Depth <u>3.84</u>	
Day/Night use	Amount of vessel traffic	Time of year
<input type="checkbox"/> Day <input type="checkbox"/> Night <input checked="" type="checkbox"/> Both	<input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	<input type="checkbox"/> Winter <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Summer <input type="checkbox"/> Fall
Basic Project Description		
Brief description of your project *		
Bridge replacement over the Boggy River. Replacement of a six span timber tressel bridge with a single span Through Plate Girder (TPG) bridge.		
Proposed start and end date (dd-mm-yyyy) *:	<u>10-01-2014</u>	Date of original construction (dd-mm-yyyy): <u>31-04-2014</u>
Summary of Required Supporting Documents (be sure to include all the following supporting documents with your submission)		
<p align="center">Mandatory Information*</p> <input type="checkbox"/> Project description (complete Basic Project Description or provide an annex as required) <input type="checkbox"/> Completed and signed Application form Provide six copies of 11" X 17": <input type="checkbox"/> Map showing exact location of the work <input type="checkbox"/> Plan view drawings with dimensions <input type="checkbox"/> Profile view drawings with dimensions		<p align="center">Supporting Information</p> <input type="checkbox"/> Photographs of the work site <input type="checkbox"/> Environmental Assessment documents (if any) <input type="checkbox"/> Aboriginal consultation results (if any) <input type="checkbox"/> Executive summary of large project description <input type="checkbox"/> Water lot lease information <input type="checkbox"/> Other agency submissions made/received
Date (dd-mm-yyyy) *:	<u>03-03-2014</u>	Signature *:
		
For office use	Date stamp:	

The personal information provided on this form is collected under the authority of sections 5, 6, 10 and 11 of the **Navigable Waters Protection Act**. This information is required for the purpose of ensuring that works that are built or placed in, on, over, under, through or across any navigable water in Canada are approved. The personal information collected is described in a personal information bank entitled Navigable Waters Protection Program (bank number TC PPU 086). Under the provisions of the **Privacy Act**, individuals have the right of access to, correction of and protection of their personal information. Instructions for obtaining personal information are provided in Info Source, a copy of which is available in major public and academic libraries or on line at <http://www.infosource.gc.ca>.



I:\2012\12\19\3205\3205.dwg (1/13/2012 10:30:00 AM) User: jrb...
 2012/12/19 10:30:00 AM

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

LOCATION APPROVED UNDERGROUND STRUCTURES		B.M. ELEV.
SLIPV. U/G STRUCTURES	DATE	
COMMITTEE		

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.

DESIGNED BY M.J.B.		CHECKED BY M.J.B.	
DRAWN BY J.M.B.		APPROVED BY M.J.B.	
AUTHORIZED BY:		DATE:	
NO. REVISIONS		DATE BY	
A PRELIMINARY DESIGN REPORT		07.01.09 MJB	
		DATE 12.12.10	

ENGINEER'S SEAL

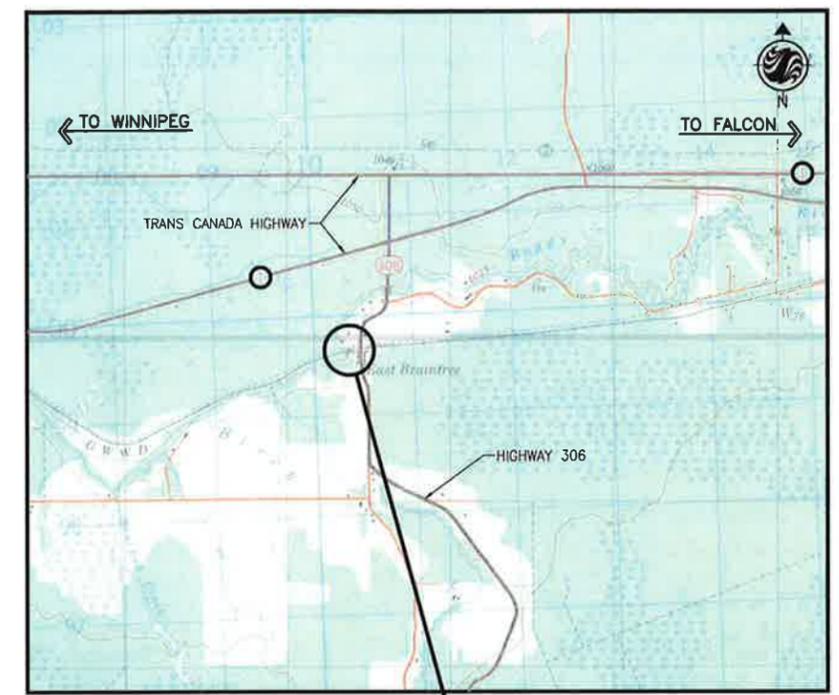
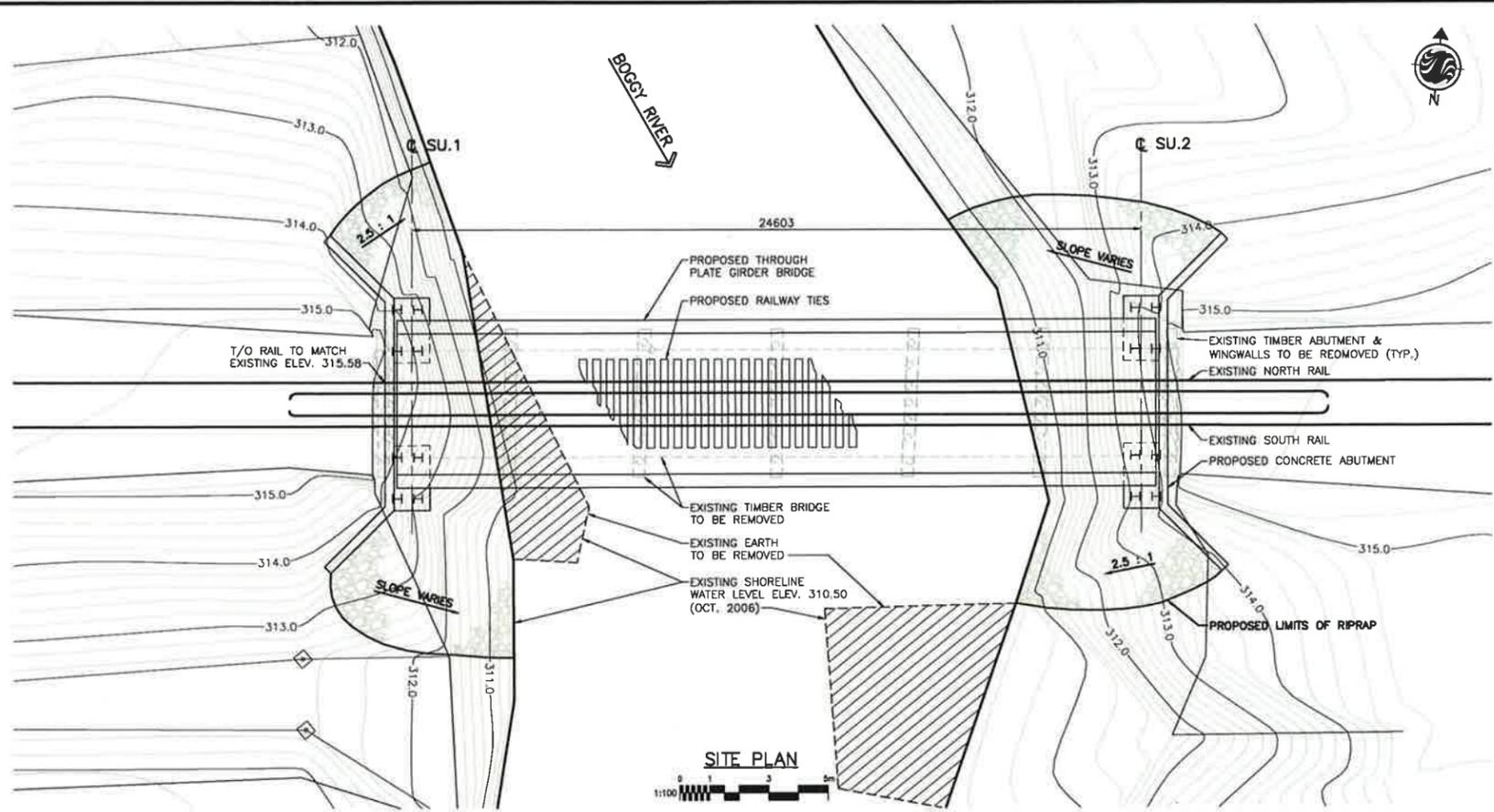
CONSULTANT DRAWING NO.
S-101

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

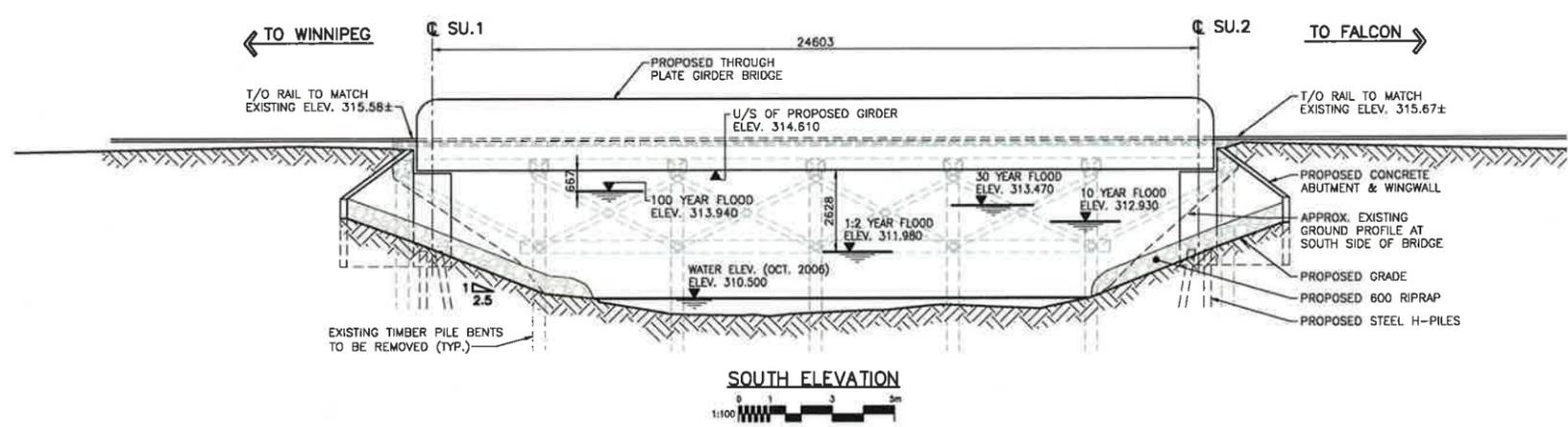
GWWD
MILE 77.6 BRIDGE REPLACEMENT

GENERAL ARRANGEMENT
MILE 77.6

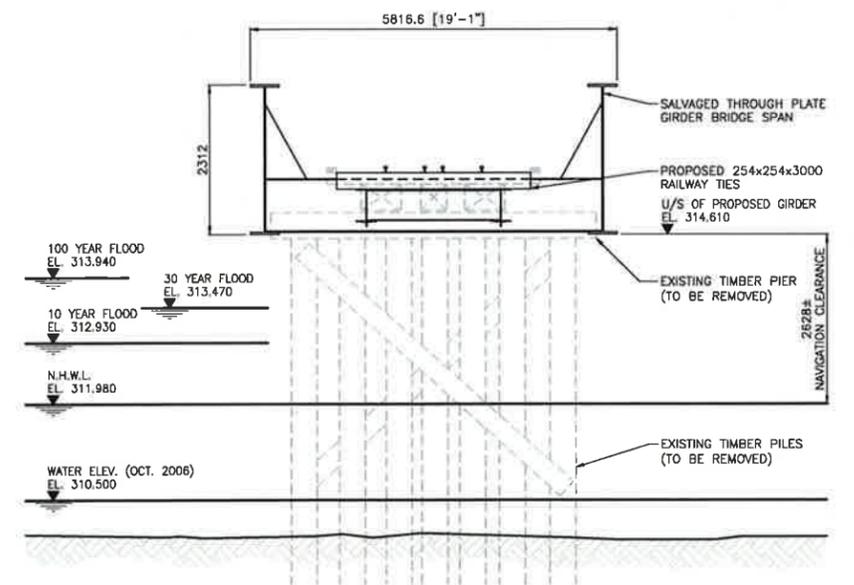
SHEET 1 OF 1
CAD FILE DRAWING NUMBER
32050a-101-xxx.dwg
CITY DRAWING NUMBER



KEY PLAN



SOUTH ELEVATION

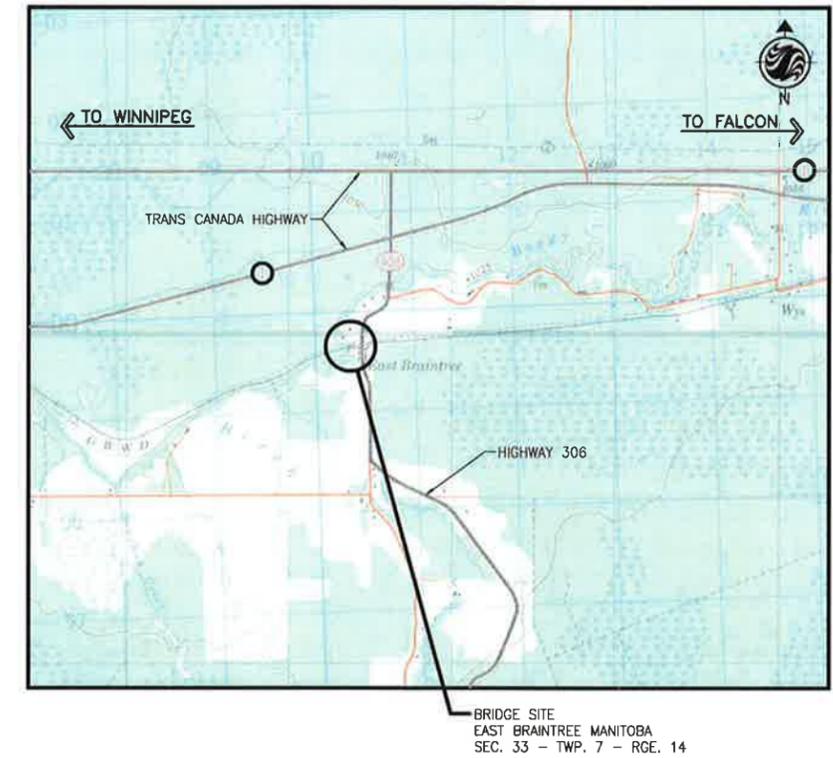
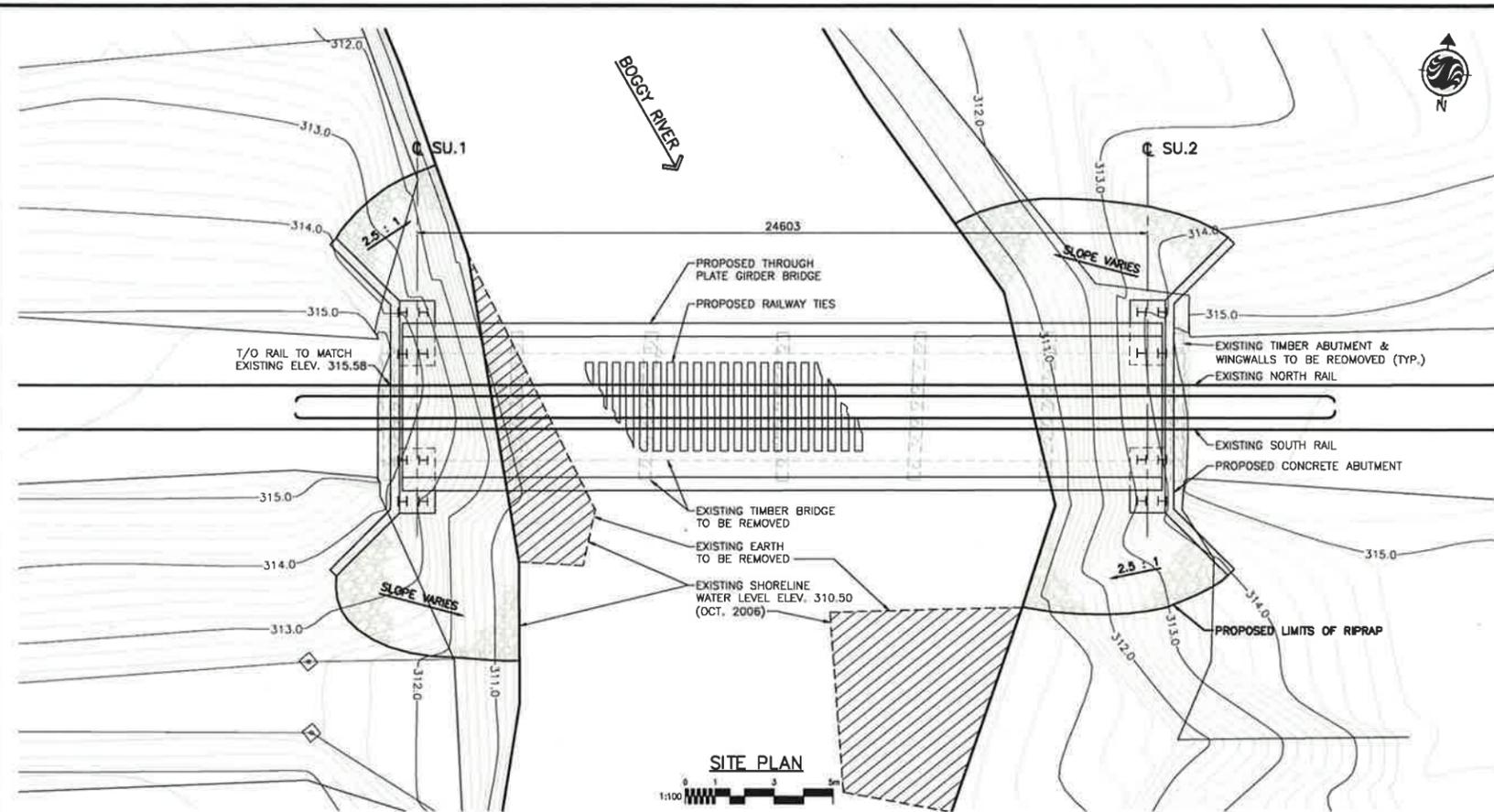


TYPICAL SECTION

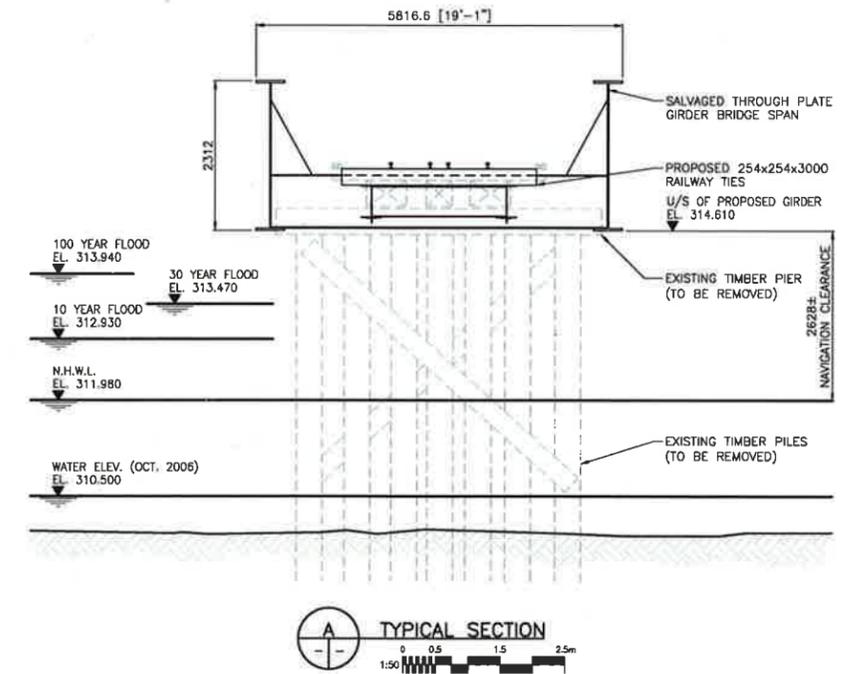
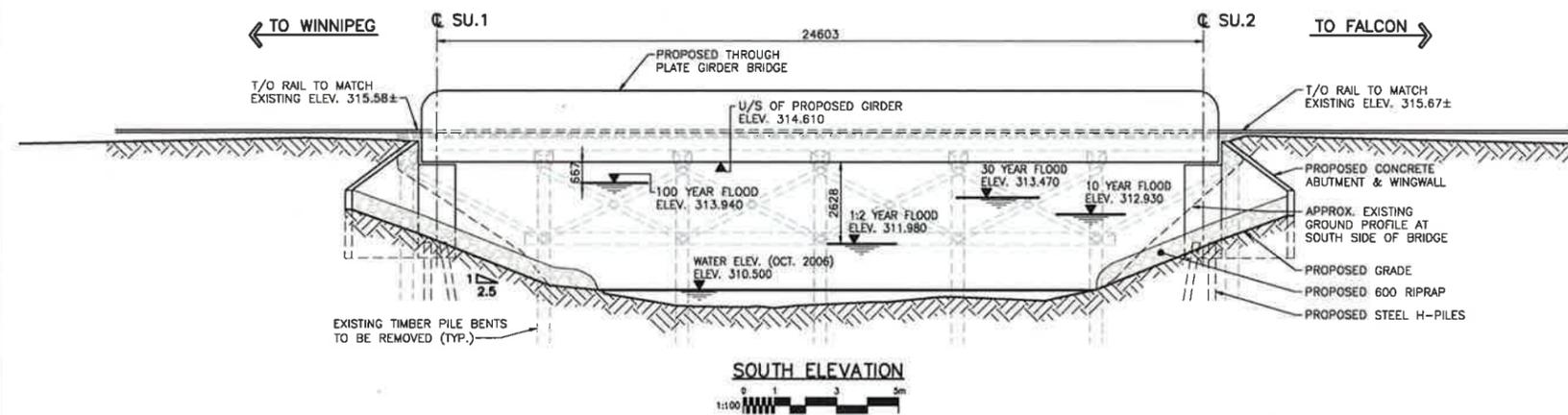
\\021102-011\Projects\11371\action\1137120205\drawing\04_mile77.6\m77.6-10_preliminary_design_report\3205-101-rcc.dwg
 2012/12/10 3:08 PM By: BrianCurtis_Jones

METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES

LOCATION APPROVED UNDERGROUND STRUCTURES SUPV. U/G STRUCTURES DATE COMMITTEE 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. <table border="1"> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>																	Stantec Consulting Ltd. 100-1355 Taylor Avenue, Winnipeg, Manitoba Tel 204.928.8840 Fax 204.264.4795 DESIGNED BY: M.J.B. CHECKED BY: M.J.B. DRAWN BY: J.M.B. APPROVED BY: M.J.B. HOR. SCALE: AS SHOWN VERTICAL: AS SHOWN AUTHORIZED BY: DATE: _____ BROCK PROJECTS ENGINEER	ENGINEER'S SEAL THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION GWWD MILE 77.6 BRIDGE REPLACEMENT GENERAL ARRANGEMENT MILE 77.6	SHEET OF 1 1 CAD FILE DRAWING NUMBER 320504-101-xxx.dwg CITY DRAWING NUMBER
<table border="1"> <thead> <tr> <th>NO.</th> <th>REVISIONS</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>PRELIMINARY DESIGN REPORT</td> <td>07.01.09</td> <td>MJB</td> </tr> </tbody> </table>		NO.	REVISIONS	DATE	BY	A	PRELIMINARY DESIGN REPORT	07.01.09	MJB	DATE 12.12.10	CONSULTANT DRAWING NO. S-101	CITY DRAWING NUMBER									
NO.	REVISIONS	DATE	BY																		
A	PRELIMINARY DESIGN REPORT	07.01.09	MJB																		



KEY PLAN



TYPICAL SECTION

C:\Users\j137\OneDrive\Documents\137\2012-12-10_preliminary_design_report\32050a-101-xxx.dwg
 2012/12/10 10:30 AM Plotted by: j137

METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES

LOCATION APPROVED UNDERGROUND STRUCTURES		B.M. ELEV.
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A	PRELIMINARY DESIGN REPORT	07.21.09 MJB
NO.	REVISIONS	DATE BY

Stantec Consulting Ltd. 100-1355 Taylor Avenue, Winnipeg, Manitoba Tel 204.928.8840 Fax 204.284.4795		ENGINEER'S SEAL
DESIGNED BY	M.J.B.	CHECKED BY
DRAWN BY	J.M.B.	APPROVED BY
HOR. SCALE:	AS SHOWN	AUTHORIZED BY:
VERTICAL:	AS SHOWN	DATE
BRIDGE PROJECTS ENGINEER		CONSULTANT DRAWING NO.
		S-101

THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION		SHEET	OF
GWWD MILE 77.6 BRIDGE REPLACEMENT		1	1
GENERAL ARRANGEMENT MILE 77.6		CAD FILE DRAWING NUMBER 32050a-101-xxx.dwg	
		CITY DRAWING NUMBER	

James, Codi

From: James, Codi
Sent: Monday, March 03, 2014 11:27 AM
To: 'NWP-PEN.PN@tc.gc.ca'
Subject: Greater Winnipeg Water District Railway Bridge in East Braintree Manitoba – Mile 77.6
Attachments: 2014-03-03_TC_Mile 77.6 combined paperwork.pdf

Good morning,

Can you please confirm if you have or have not received the attached file? Our records indicate it was originally sent in December 23rd, 2014 but have not received any feedback from Transport Canada at this time.

Please feel free to contact me directly if you have any questions or require additional information. Thank you for your time.

Codi James

Bridge Technologist
Stantec
100 - 1355 Taylor Avenue Winnipeg MB R3M 3Y9
Phone: (204)478-8959
Cell: (204)227-5003
Fax: (204)284-4795
codi.james@stantec.com



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James, Codi

From: NWP-PEN.PN <NWP-PEN.PN@tc.gc.ca>
Sent: Monday, March 03, 2014 11:48 AM
To: James, Codi
Subject: RE: Greater Winnipeg Water District Railway Bridge in East Braintree Manitoba - Mile 77.6

The file is pending a sign off from the Transport Canada Aboriginal Consultations Unit. Once we have that sign off we can issue the approval.

We have made the change in our system to put you as the contact.

Thank you,

NWP Program/Programme PEN

Prairie & Northern Region | Région des Prairies et du Nord

Transport Canada-Marine/Transports Canada-Sécurité Maritime

T 780-495-8215 | F 780-495-8607

<http://www.tc.gc.ca/eng/marinesafety/oep-nwpp-menu-1978.htm>

From: James, Codi [<mailto:Codi.James@stantec.com>]
Sent: March 3, 2014 10:43 AM
To: NWP-PEN.PN
Subject: RE: Greater Winnipeg Water District Railway Bridge in East Braintree Manitoba - Mile 77.6

Thank you very much for your quick response. I apologize for the inconvenience, but Tina Yuen is unfortunately no longer with us.

Is there any way I could receive the status information as I will now be the contact person for this project's approvals?

Thanks,

Codi James

From: NWP-PEN.PN [<mailto:NWP-PEN.PN@tc.gc.ca>]
Sent: Monday, March 03, 2014 11:36 AM
To: James, Codi
Subject: RE: Greater Winnipeg Water District Railway Bridge in East Braintree Manitoba - Mile 77.6

We did receive this application, but the contact listed on the application form is not you it is Tina Yuen. So all information with regards to this application has been sent to her.

Thank you.

NWP Program/Programme PEN

Prairie & Northern Region | Région des Prairies et du Nord

From: James, Codi [<mailto:Codi.James@stantec.com>]

Sent: March 3, 2014 10:27 AM

To: NWP-PEN.PN

Subject: Greater Winnipeg Water District Railway Bridge in East Braintree Manitoba - Mile 77.6

Good morning,

Can you please confirm if you have or have not received the attached file? Our records indicate it was originally sent in December 23rd, 2014 but have not received any feedback from Transport Canada at this time.

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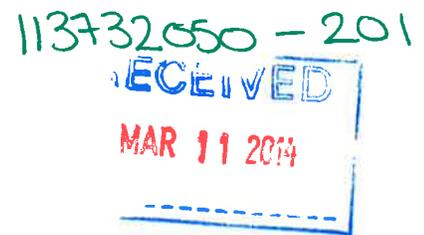
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Conservation and Water Stewardship

Environmental Stewardship Division
Environmental Approvals Branch
123 Main Street, Suite 160, Winnipeg, Manitoba R3C 1A5
T 204 945-8321 F 204 945-5229
www.gov.mb.ca/conservation/eal



February 28, 2014

Tina Yuen
Stantec Consulting Ltd.
100-1355 Taylor Ave
Winnipeg MB R3M 3Y9

Dear Ms. Yuen:

Re: Proposed Replacement of Greater Winnipeg Water District Railway Bridge, south of Glass Manitoba

This will acknowledge receipt of the project description and approval request for the proposed replacement of the Greater Winnipeg Water District Railway Bridge south of Glass, Manitoba at mile 22.15.

Environmental Approvals Branch has reviewed the information provided and determined that the proposed facility is not a Development under The Environment Act.

Should you have any questions, please do not hesitate to contact me at (204) 803-1389 or Darrell.Ouimet@gov.mb.ca.

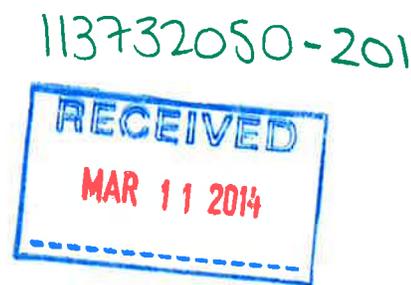
Yours truly,

Tracey Braun, M. Sc.
Director
Environmental Approvals Branch



Conservation and Water Stewardship

Environmental Stewardship Division
Environmental Approvals Branch
123 Main Street, Suite 160, Winnipeg, Manitoba R3C 1A5
T 204 945-8321 F 204 945-5229
www.gov.mb.ca/conservation/eal



February 28, 2014

Tina Yuen
Stantec Consulting Ltd.
100-1355 Taylor Ave
Winnipeg MB R3M 3Y9

Dear Ms. Yuen:

Re: Proposed Replacement of Greater Winnipeg Water District Railway Bridge, east of Ross Manitoba

This will acknowledge receipt of the project description and approval request for the proposed replacement of the Greater Winnipeg Water District Railway Bridge east of Ross, Manitoba at mile 41.3.

Environmental Approvals Branch has reviewed the information provided and determined that the proposed facility is not a Development under The Environment Act.

Should you have any questions, please do not hesitate to contact me at (204) 803-1389 or Darrell.Ouimet@gov.mb.ca.

Yours truly,

Tracey Braun, M. Sc.
Director
Environmental Approvals Branch