

Public Works  
Government Services  
Canada

Architectural and  
Engineering Services

Ontario Region

Travaux publics  
Services gouvernementaux  
Canada

Services d'architecture  
et de génie

Région de l'Ontario

#### LIST OF DRAWINGS

HASTINGS SWING BRIDGE PIVOT PIER FOAM INJECTION	
S1	GENERAL ARRANGEMENT
S2	SITE PLAN

# HASTINGS, ONTARIO.

## TRENT SEVERN WATERWAY AT HASTINGS

## HASTINGS SWING BRIDGE

## PIVOT PIER FOAM INJECTION

PWGSC Proj. No.: R.055746.001

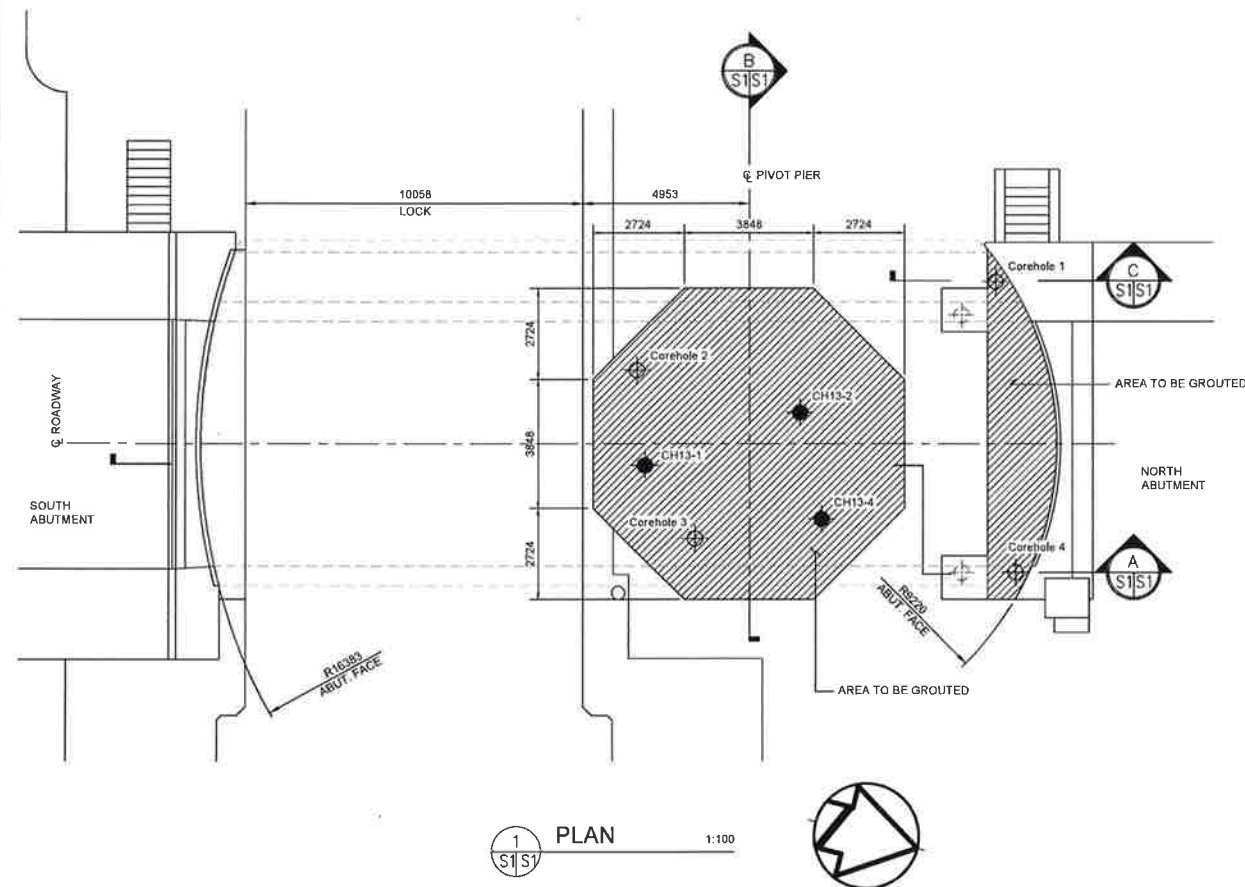


Canada



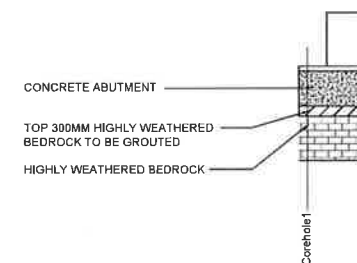
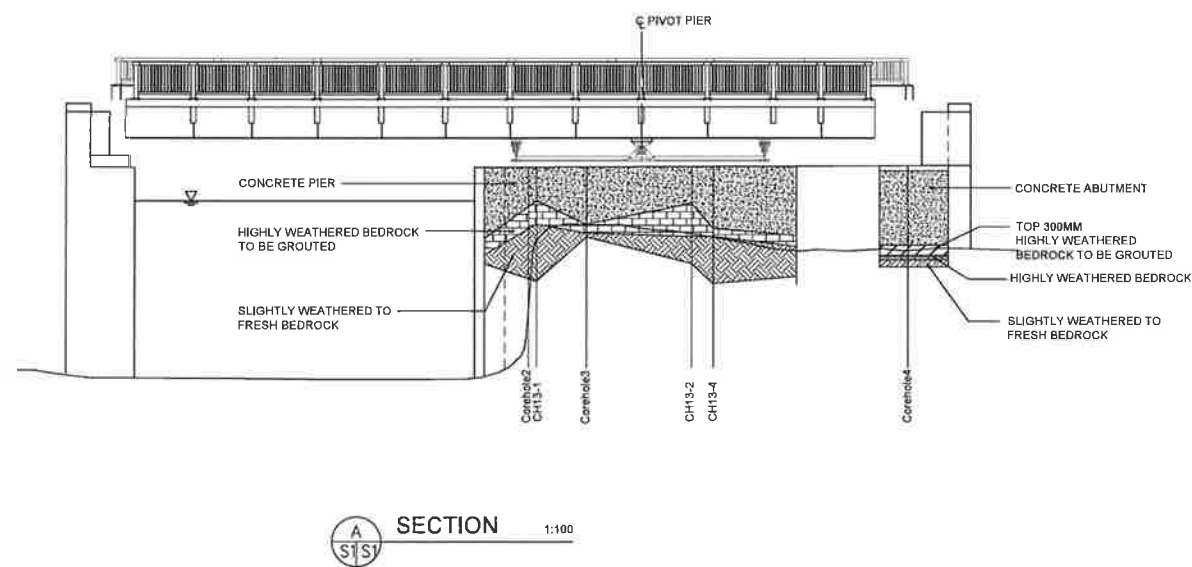
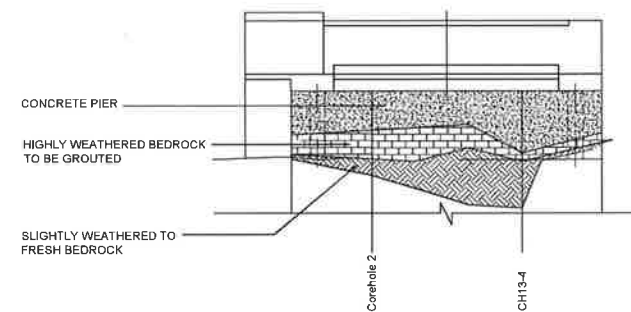
**Associated  
Engineering**

GLOBAL PERSPECTIVE.  
LOCAL FOCUS.



## GENERAL NOTES:

1. THE WATER IN THE CANAL SHALL BE BLOCKED AND/OR DIVERTED FROM THE CANAL PRIOR TO THE COMMENCEMENT OF THE GROUTING WORK.
2. WATER PRESENT IN THE VOIDS WITHIN THE HIGHLY WEATHERED BEDROCK SHALL BE SUFFICIENTLY DRAINED/UNWATERED PRIOR TO THE COMMENCEMENT OF THE GROUTING WORK.
3. THE CONCRETE PIER, ABUTMENTS AND CANAL WALLS SHALL BE MONITORED FOR ANY MOVEMENTS; AN UPWARD MOVEMENT DURING AND AFTER THE GROUTING IS NOT ALLOWED; A DETAILED SETTLEMENT MONITORING PLAN SHALL BE SUBMITTED TO THE DEPARTMENTAL REPRESENTATIVE FOR APPROVAL PRIOR TO THE COMMENCEMENT OF THE GROUTING WORK.
4. CORE SAMPLES SHALL BE OBTAINED FROM THE GROUTED ZONES AFTER THE GROUT HAS COMPLETELY CURED FOR QC/QA PURPOSES.
5. SUFFICIENT PROTECTION SHALL BE PROVIDED TO THE EXISTING STRUCTURES, CANAL AND UTILITIES.
6. THE VOIDS SHALL BE SUFFICIENTLY FILLED AND SEALED FROM THE BOTTOM OF THE CONCRETE TO THE SLIGHTLY WEATHERED TO FRESH BEDROCK.
7. AN ENVIRONMENTAL PROTECTION PLAN SHALL BE SUBMITTED TO THE DEPARTMENTAL REPRESENTATIVE FOR APPROVAL.



## LEGEND:

- CONCRETE STRUCTURE
- HIGHLY WEATHERED BEDROCK
- TOP 300 mm HIGHLY WEATHERED BEDROCK
- SLIGHTLY WEATHERED BEDROCK

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SPL Consultants Limited  
Geotechnical • Environmental • Materials • Engineering



04		
03	ISSUED FOR TENDER	OCT.01.2014
02	100% REVIEW SUBMISSION	OCT.01.2014
01	90% REVIEW SUBMISSION	SEPT.19.2014
revision		date

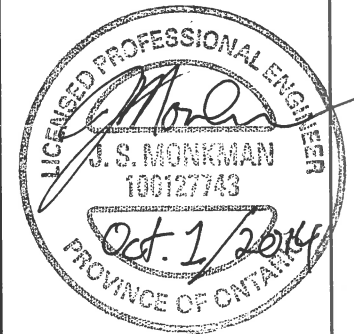
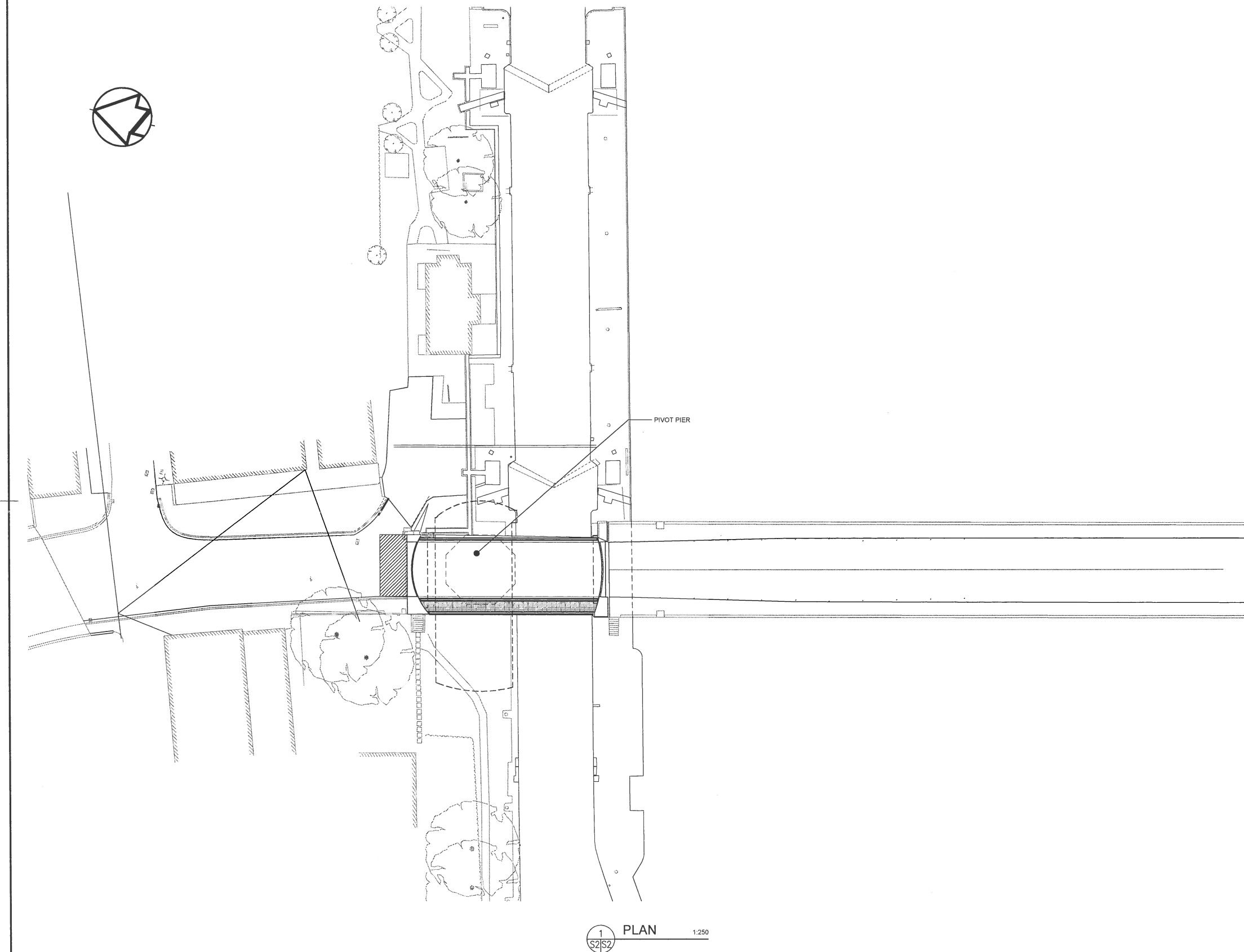
Do not scale drawings.  
Verify all dimensions on conditions on site and immediately  
notify the Departmental Representative of all discrepancies.

A	Detail No.
B	No. au détail
C	drawing no. - where detail required dessin no. - où détail exigé
	drawing no. - where detailed dessin no. - où détaillé

project title  
titre du projet  
**HASTINGS SWING BRIDGE  
PIVOT PIER  
FOAM INJECTION**

drawing title  
titre du dessin  
**GENERAL ARRANGEMENT**

drawn by dessiné par	LWS
designed by conçu par	DAVID LIU
approved by approuvé par	DAVID LIU
b/c offre	JULIO LEON project manager administrateur de projets
project date date du projet	2014-10-01
project no. no. du projet	R.055746.001
drawing no. dessin no.	S1



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C	drawing no. - where detailed

project title  
titre du projet  
**HASTINGS SWING BRIDGE  
PIVOT PIER  
FOAM INJECTION**

drawing title  
titre du dessin  
**SITE PLAN**

drawn by  
dessiné par  
**NEIL LUCERO**

designed by  
conçu par  
**MINGYU LI**

approved by  
approuvé par  
**JARED MONKMAN**

bid  
offre  
**JULIO LEON** project manager  
administrateur  
de projets

project date  
date du projet  
**2014-10-01**

project no.  
no. du projet  
**R.055746.001**

drawing no.  
dessiné no.  
**S2**