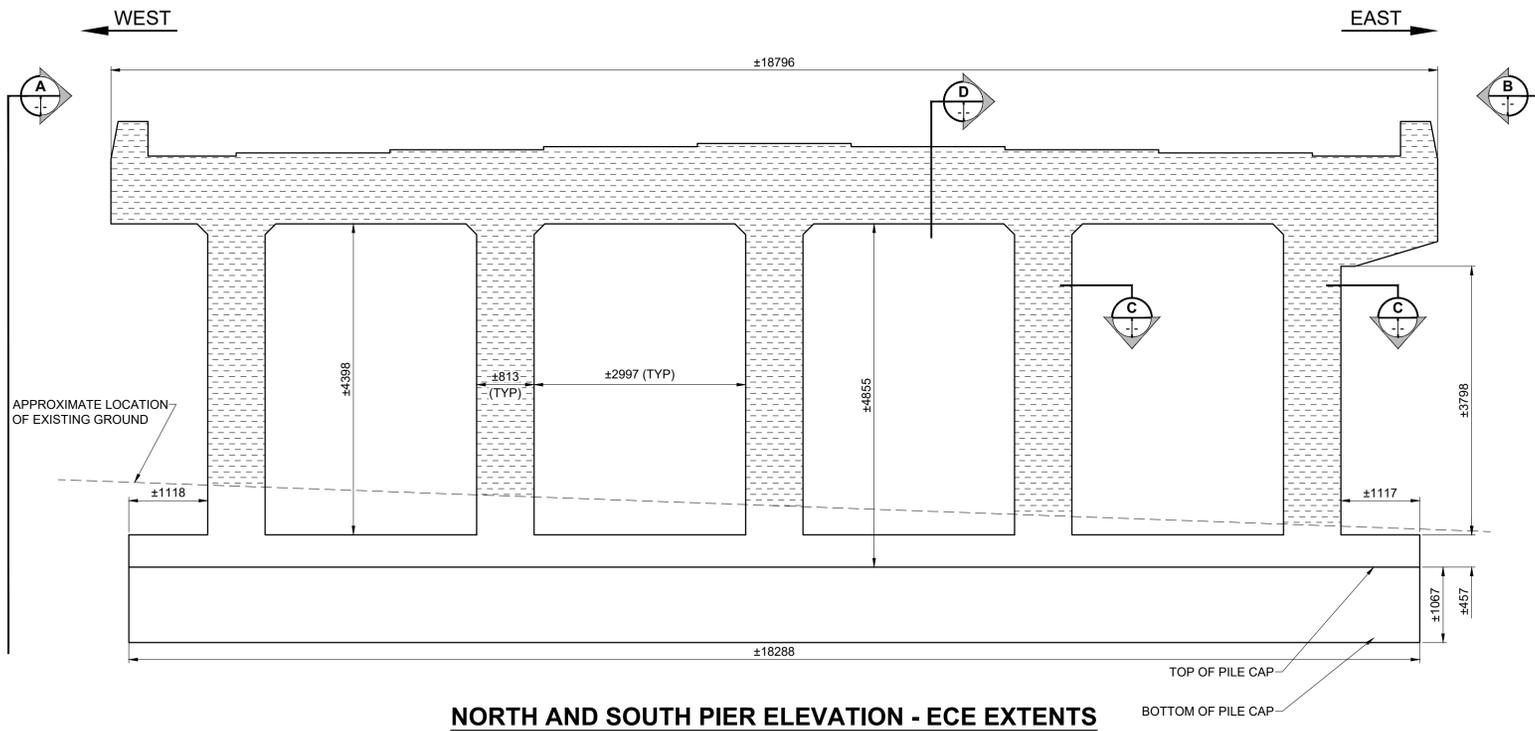
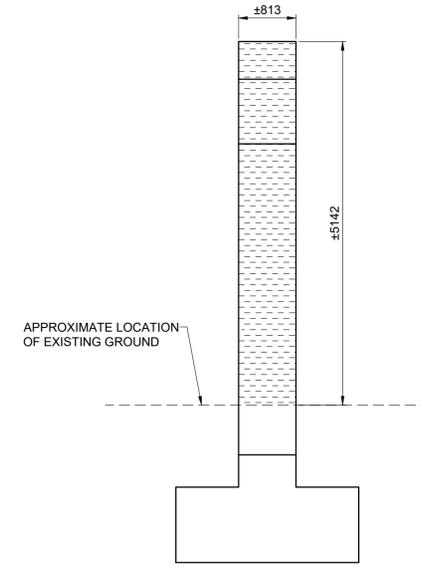


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 Last Saved: 9/5/2018 9:28 AM by A.Heggen
 Plotted: 9/5/2018 10:04 PM by Alex Heggen
 ISO A1 - 594mm x 841mm



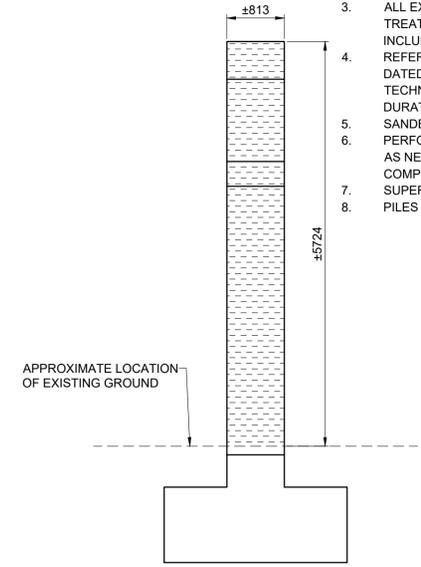
NORTH AND SOUTH PIER ELEVATION - ECE EXTENTS

SCALE: 1:50



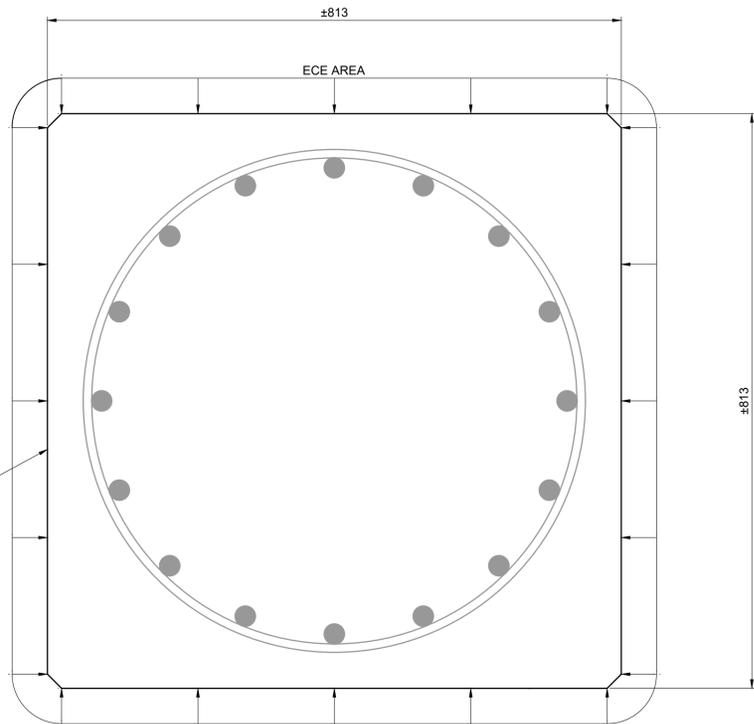
SECTION - ECE EXTENTS

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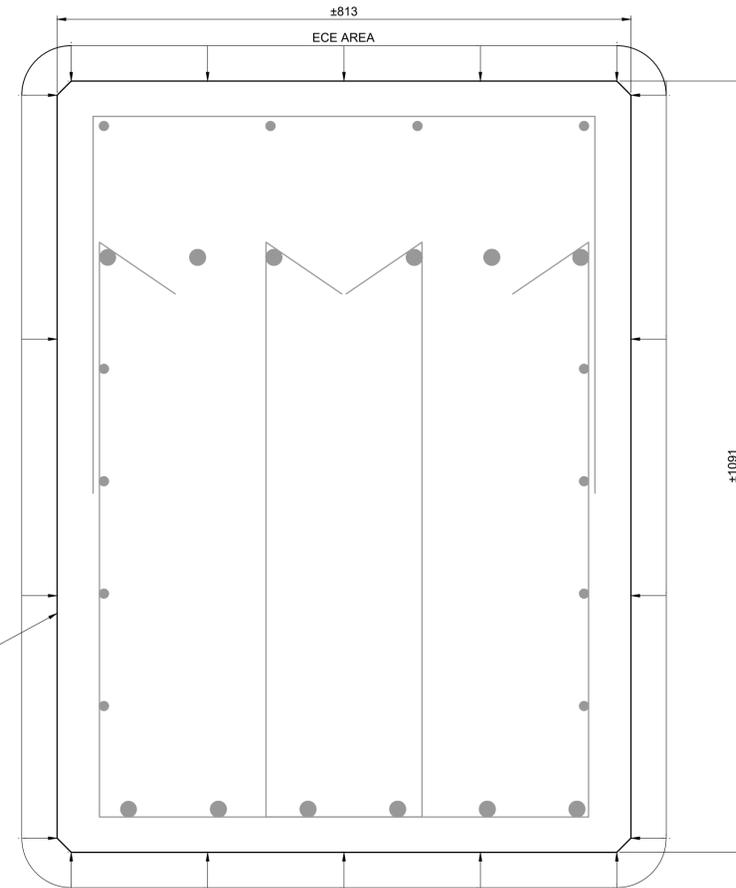
SECTION - ECE EXTENTS

SCALE: 1:50



SECTION: ECE EXTENTS

SCALE: 1:5



SECTION: ECE EXTENTS

SCALE: 1:5

GENERAL NOTES:

1. ECE STANDS FOR ELECTROCHEMICAL CHLORIDE EXTRACTION.
2. COMPLETE ALL CONCRETE REPAIRS PRIOR TO INSTALLING AND APPLYING ECE. REFER TO SHEETS 88, 89, 91, 92, AND 99 FOR DETAILS.
3. ALL EXPOSED CONCRETE SURFACES TO BE TREATED WITH SILANE SEALER AFTER ALL REPAIRS, INCLUDING ECE TREATMENT, ARE COMPLETE. REFER TO RESISTANCE TESTING LETTER REPORT DATED JUNE 19, 2018 BR VECTOR CORROSION TECHNOLOGIES TO DETERMINE ECE DESIGN AND DURATION.
4. SANDBLAST SURFACES SUBJECT TO ECE. PERFORM LOCALIZED CONCRETE PATCH REPAIRS AS NEEDED. PATCH BEFORE ECE HAS BEEN COMPLETED. REFER TO SHEET 99.
5. SUPERSTRUCTURE NOT SHOWN FOR CLARITY.
6. PILES NOT SHOWN FOR CLARITY.

APPLY ECE TO CONCRETE SURFACE ON ALL SIDES IN ACCORDANCE WITH SUPPLIERS INSTRUCTIONS

APPLY ECE TO CONCRETE SURFACE ON ALL SIDES WHERE ACCESSIBLE IN ACCORDANCE WITH SUPPLIERS INSTRUCTIONS

LEGEND:



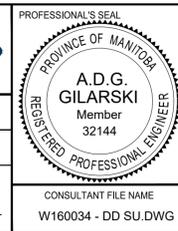
METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

LOCATION APPROVED UNDERGROUND STRUCTURES

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.

NO.	REVISIONS	DATE	BY
D	ISSUED FOR TENDER	18/09/04	BAP
C	ISSUED FOR 95% DESIGN REVIEW	18/08/07	BAP
B	ISSUED FOR 50% DESIGN REVIEW REV 1	18/06/28	AG
A	ISSUED FOR 50% DESIGN REVIEW	18/04/03	AF

MORRISON HERSHFIELD	
DESIGNED BY: AG	CHECKED BY: BAP
DRAWN BY: AH	APPROVED BY: BE
HOR SCALE: AS SHOWN	RELEASED FOR CONSTRUCTION: N/A
VERT SCALE: AS SHOWN	DATE: _____



THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

EMPRESS STREET PROJECT OVERPASS REHABILITATION WORKS SUBSTRUCTURE NORTH AND SOUTH PIER REHABILITATION

CITY DRAWING NUMBER: P-3494-97
SHEET 97 OF 168
DRAWING No. REV 97 D

CONSULTANT FILE NAME: W160034 - DD SU.DWG

BID OPPORTUNITY No. 602-2018