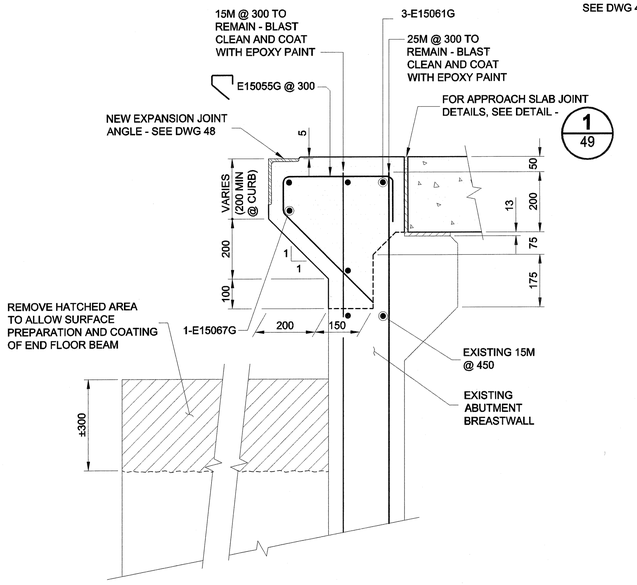
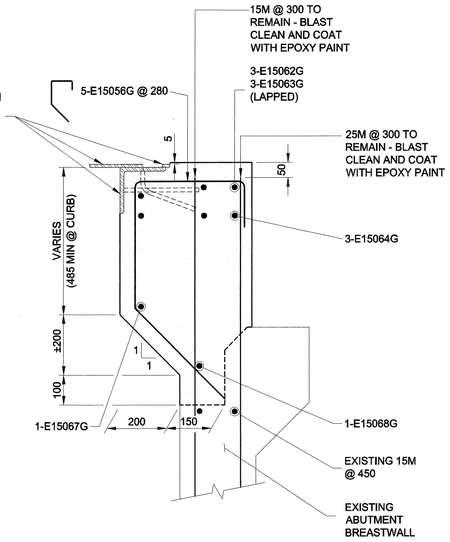
D SIZE 22" x 34" (559mm x 864mm)



SECTION F 12 & 13

SCALE 1:10 0 200 400 600 mm

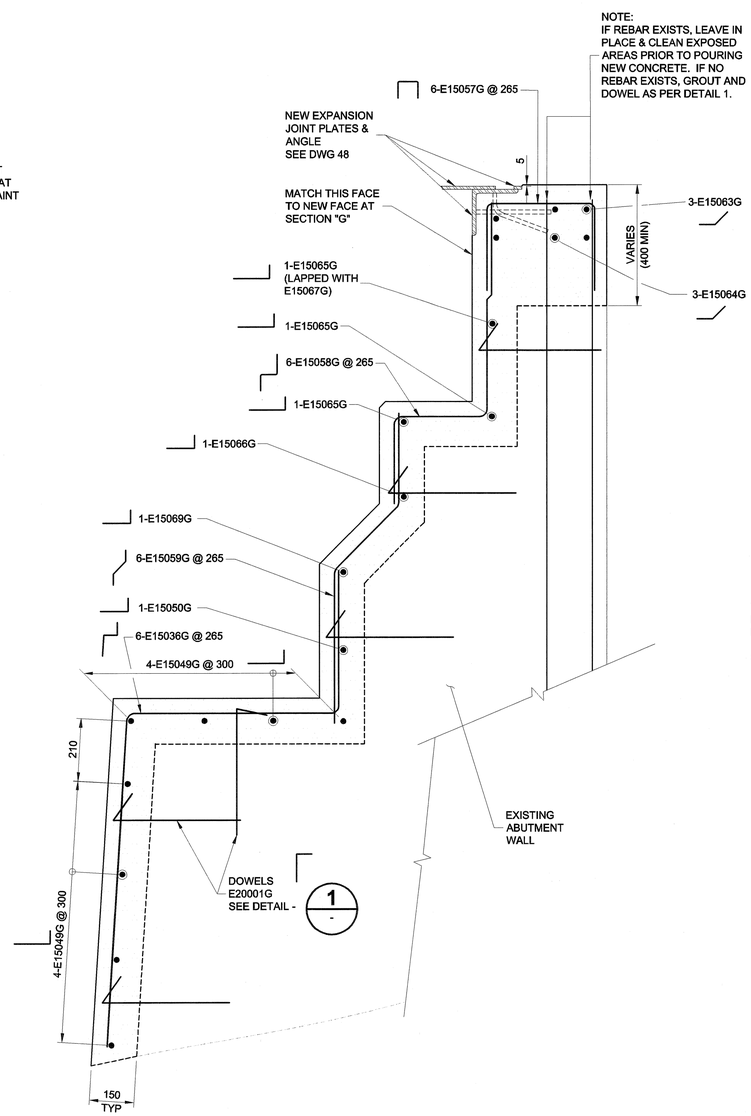
THROUGH ROADWAY



SECTION G 12 & 13

SCALE 1:10 0 200 400 600 mm

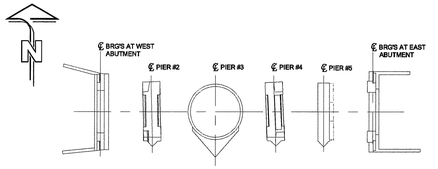
THROUGH SIDEWALK



SECTION H 12 & 13

SCALE 1:10 0 200 400 600 mm

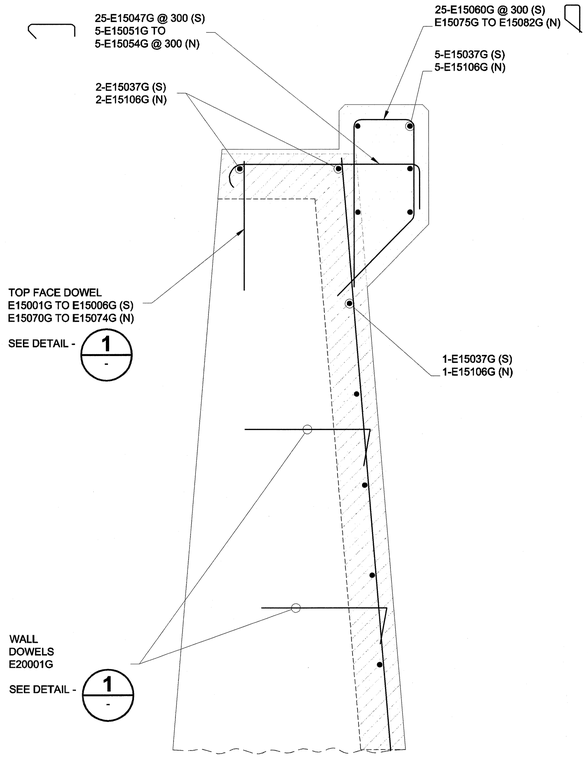
THROUGH SIDEWALK



KEY PLAN

SCALE 1:500 0 1500 3000 4500 mm

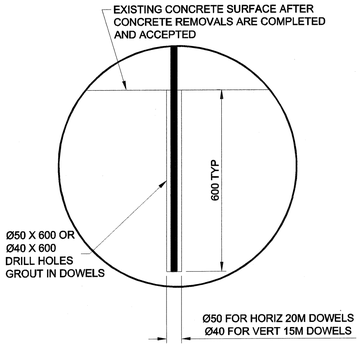
SUBSTRUCTURE - ABUTMENTS & PIERS



SECTION D 13

SCALE 1:10 0 250 500 750 mm

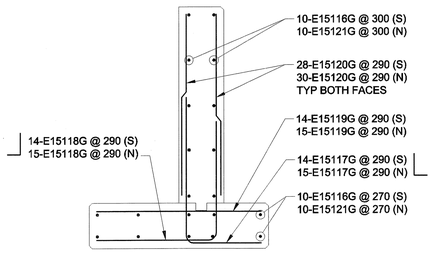
SOUTH WINGWALL SECTION
REINFORCING DETAILS
NORTH WINGWALL SIMILAR



DETAIL 1/-

SCALE 1:10 0 100 200 300 mm

TYPICAL DOWEL INSTALLATION



SECTION E 13

SCALE 1:20 0 250 500 750 mm

SOUTH RETAINING WALL
REINFORCING DETAILS
NORTH WALL SIMILAR

GENERAL NOTES:

1. ALL 20M DOWELS TO BE SPACED AT 1200mm HORIZONTALLY AND 600mm VERTICALLY UNLESS OTHERWISE NOTED.

NOTE:

ALL DIMENSIONS SHOWN ON THE DRAWINGS ARE BASED ON AVAILABLE INFORMATION AND RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD MEASURE AND VERIFY ALL DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION OR PRIOR TO PREPARATION OF SHOP DRAWINGS. THE CONTRACTOR SHALL MAKE THE APPROPRIATE ADJUSTMENTS TO THE APPLICABLE DETAILS AND DIMENSIONS ACCEPTABLE TO THE CONTRACT ADMINISTRATOR. THE CONTRACTOR SHALL THEN FABRICATE AND CONSTRUCT THE WORKS IN ACCORDANCE WITH THE CORRECTED DIMENSIONS.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM
Certificate of Authorization
UMA Engineering Ltd.
No. 256 Expiry: April 30, 2006

Bid Opportunity No. 257-2005

NO.	REVISIONS	YY/MM/DD	BY
0	ISSUED FOR CONSTRUCTION	05/07/05	MP

UMA Engineering Ltd.
• Consulting • Engineering • Construction • Management Services

DESIGNED BY	BLL	CHECKED BY	SBB
DRAWN BY	DL	APPROVED BY	
HOR. SCALE	AS SHOWN	ACCEPTED BY	
VERT. SCALE	AS SHOWN	DATE	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
B.L. LAU
July 6, 2005
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO. 14
0265-376-00

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

REDWOOD BRIDGE
REHABILITATIVE MAINTENANCE AND RELATED WORKS
EAST ABUTMENT
REINFORCING STEEL DETAILS II

CITY DRAWING NUMBER B113-05-14
SHEET 14 OF 74
REV 0

14

PLOT SCALE 1=1
AutoCAD 15.06 P:\0265\355-03\AutoCAD\S-\1 Working Drawings\0265-355-03_01-S-0014_RK.dwg 2003-08-20 10:48am CGC