



- NOTES:**
- FOR GENERAL NOTES SEE SHEET C2-CS-001.
 - FOR FOUNDATION NOTES SEE SHEET C2-CS-001.
 - BELOW GRADE FACES OF ABUTMENT AND WINGWALL SHALL HAVE 2 COATS BAKOR-710-11, OR APPROVED EQUAL, DAMPPROOFING APPLIED.
 - BACKFILL MATERIAL SHALL BE TYPE 1 AS PER AREMA 2016 CHAPTER 8 CLAUSE 5.2.5.
 - BEARING SEAT ELEVATIONS ARE BASED ON ASSUMED BEARING THICKNESS OF 110 mm.
 - BEARING SEATS TO BE FLAT AND LEVEL AT BEARING SEAT LOCATIONS.
 - ALL EXPOSED EDGES TO BE CHAMFERED 20 mm UNLESS NOTED OTHERWISE.
 - CONCRETE FINISHES SHALL BE AS PER SPECIFICATION.
 - FOR DETAIL OF PRE-SET ANCHOR UNITS MK. "AU1", REFER TO SHEET 042.

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APEGM
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date: 2017/01/09

DESIGNED BY	RE	CHECKED BY	SSR
DRAWN BY	CGC	APPROVED BY	DBW
HOR. SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION	
VERTICAL	AS SHOWN		
NO.	REVISIONS	DATE	BY
1	ADDENDUM #5	17/03/01	RE
0	ISSUED FOR TENDER	17/01/09	RE

ENGINEER'S SEAL
PROVINCE OF MANITOBA
R.B. ERIC
Member
22665
REGISTERED PROFESSIONAL ENGINEER
CONSULTANT PROJECT NUMBER
16-3353

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Waverley Street Underpass at CN Mile 3.89 Rivers Sub
Contract 2: Underpass Structure, Railworks,
Roadworks, Land Drainage Sewer, Pumping Station
and Landscaping Works

ABUTMENT SU.1 AND SU.5
CONCRETE DETAILS - SHEET 1

CITY DRAWING NUMBER
U-239-2016-C2-CS-017
SHEET 017 OF 085
CONSULTANT DRAWING NUMBER
C2-CS-017