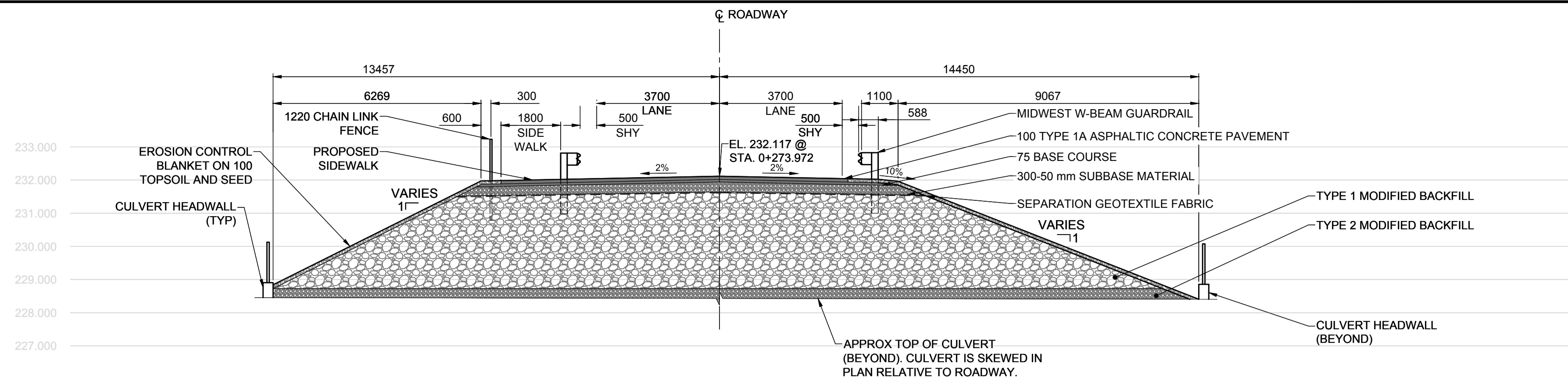
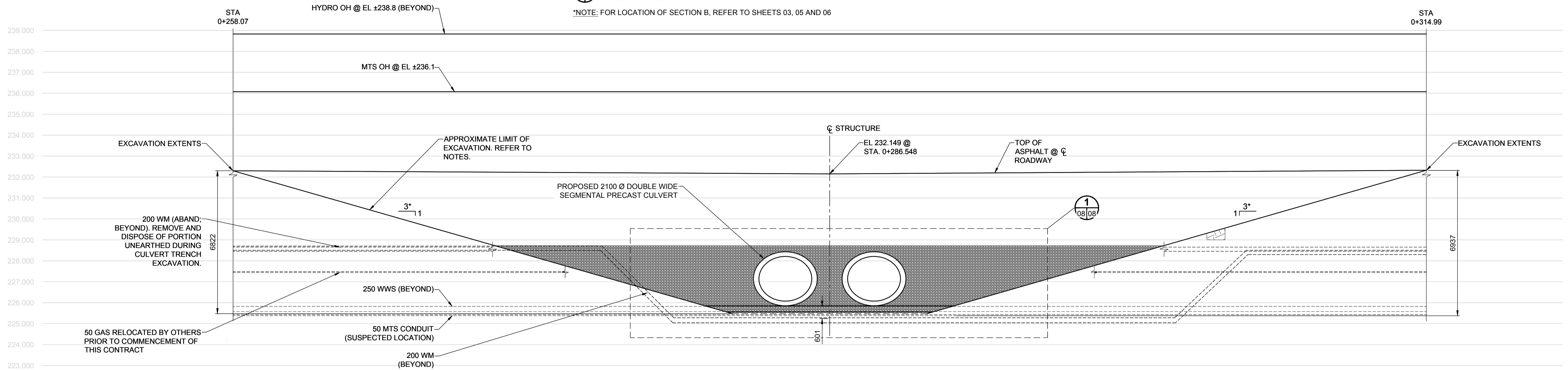


ISO A1 - 594mm x 841mm
 M:\Proj\160966\09_Drawing\05_Design\06_Sheets\Detailed Design\160966-ELEV&SEC 2-08.dwg
 Last Saved: 9/14/2017 1:28 PM by dlane
 Plotted: 9/15/2017 9:42 AM by Dave Lane

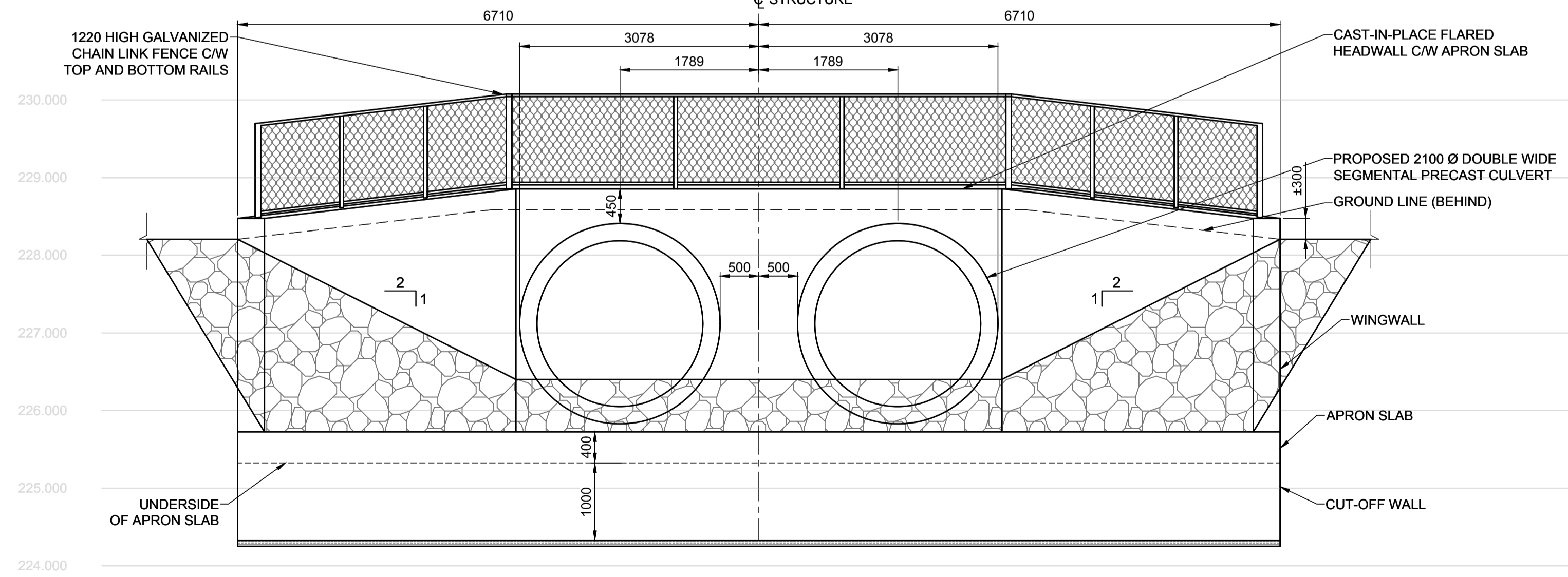


B SECTION THRU CL ROADWAY @ CROSSING OVER PROPOSED CULVERT
 SCALE: 1:100
 *NOTE: FOR LOCATION OF SECTION B, REFER TO SHEETS 03, 05 AND 06



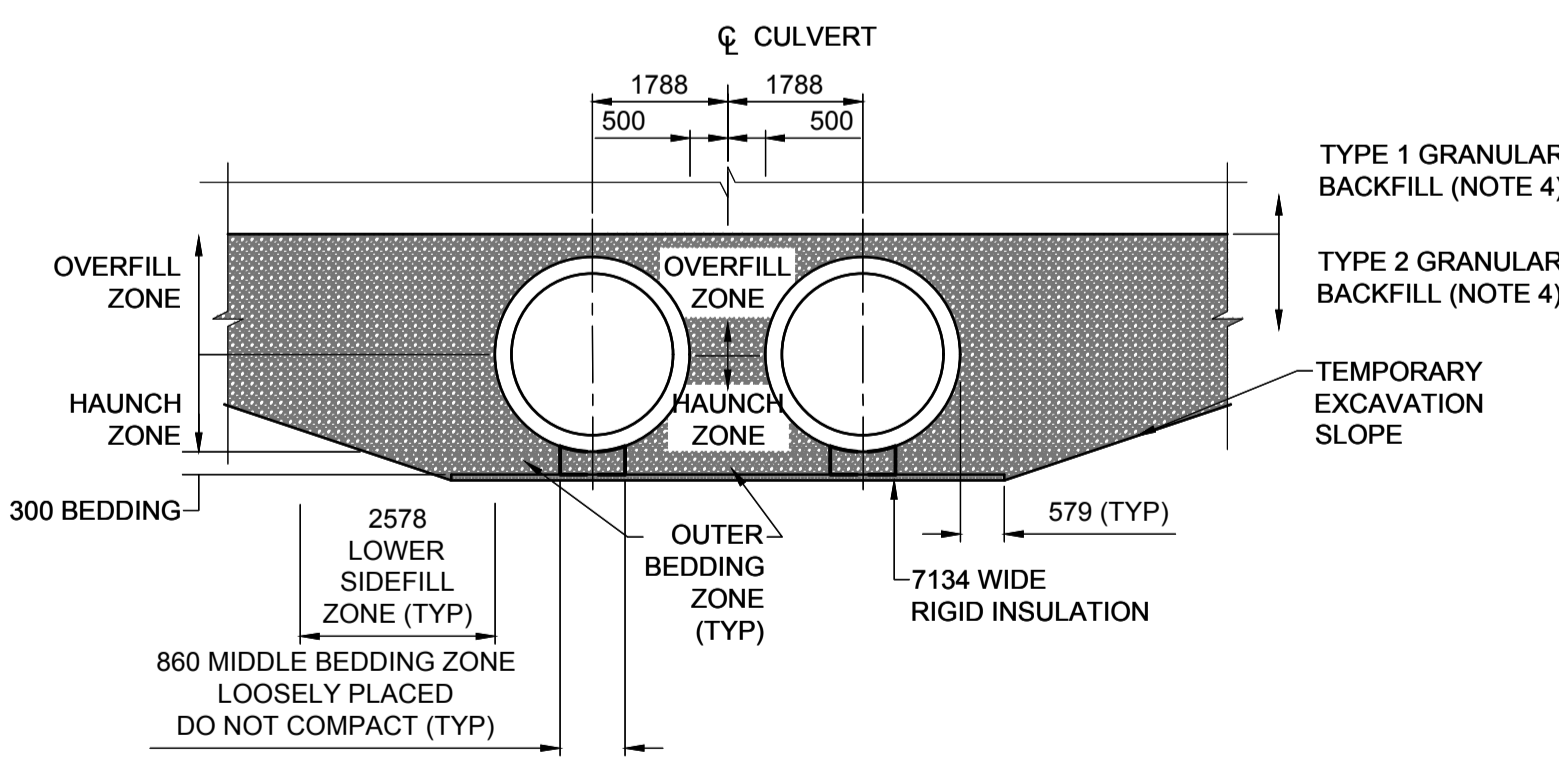
C SECTION THRU CL ROADWAY
 SCALE: 1:100
 *NOTE: FOR LOCATION OF SECTION C, REFER TO SHEETS 03, 05 AND 06

NOTE: *TEMPORARY EXCAVATION SLOPES SHOWN ARE PERPENDICULAR TO THE CULVERT ALIGNMENT. FINAL EXCAVATION SLOPES TO BE DETERMINED BY THE CONTRACTOR'S GEOTECHNICAL ENGINEER. REFER TO PLAN, SHEET 05 FOR APPROXIMATE EXTENTS. REFER TO 'GEOTECHNICAL DESIGN DATA', SHEET 02.



D SOUTH HEADWALL ELEVATION
 SCALE: 1:50

NOTES:
 1. *FOR LOCATION OF SECTION D, REFER TO SHEETS 03, 05 AND 06
 2. NORTH HEADWALL ELEVATION SIMILAR.
 3. FOR COMPLETE HEADWALL GEOMETRY AND REINFORCING, REFER TO SHEETS 11 AND 12.



1 DETAIL - CULVERT STANDARD INSTALLATION TYPE C1
 SCALE: 1:100

- NOTES:
- STANDARD INSTALLATION TYPE C1 WITH SOIL TYPE SI PER CAN/CSA S6-14.
 - MIDDLE BEDDING ZONE: LOOSELY PLACED, DO NOT COMPACT.
 - NATIVE CLAY SURFACE IN LOWER SIDEFILL ZONE: COMPACT TO 95% STANDARD PROCTOR DENSITY.
 - HAUNCH ZONE, LOWER SIDEFILL ZONE, AND OUTER BEDDING ZONE: COMPACT TO 95% STANDARD PROCTOR DENSITY.
 - BACKFILL MODIFIED PER THE SPECIFICATIONS.



METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMAL NUMBERS INDICATE METRES

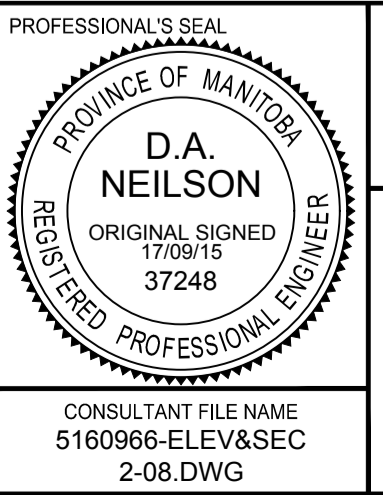
LOCATION APPROVED
 UNDERGROUND STRUCTURES

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

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	17/09/15	DAN

MORRISON HERSHFIELD	
DESIGNED BY: DAN	CHECKED BY: BE
DRAWN BY: MS	APPROVED BY: SAL
HOR SCALE: AS SHOWN	RELEASED FOR CONSTRUCTION
VERT SCALE: AS SHOWN	DATE: _____



THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION

**RUE DES TRAPPISTES AT WESTENDORF
 COULEE CULVERT REPLACEMENT AND
 ROAD RECONSTRUCTION**

SECTION 11 AND 12
 SECTIONS AND DETAILS II

CITY DRAWING NUMBER: C372-17-08
 SHEET 08 OF 22
 DRAWING No. 08 REV 0

BID OPPORTUNITY No. 698-2017