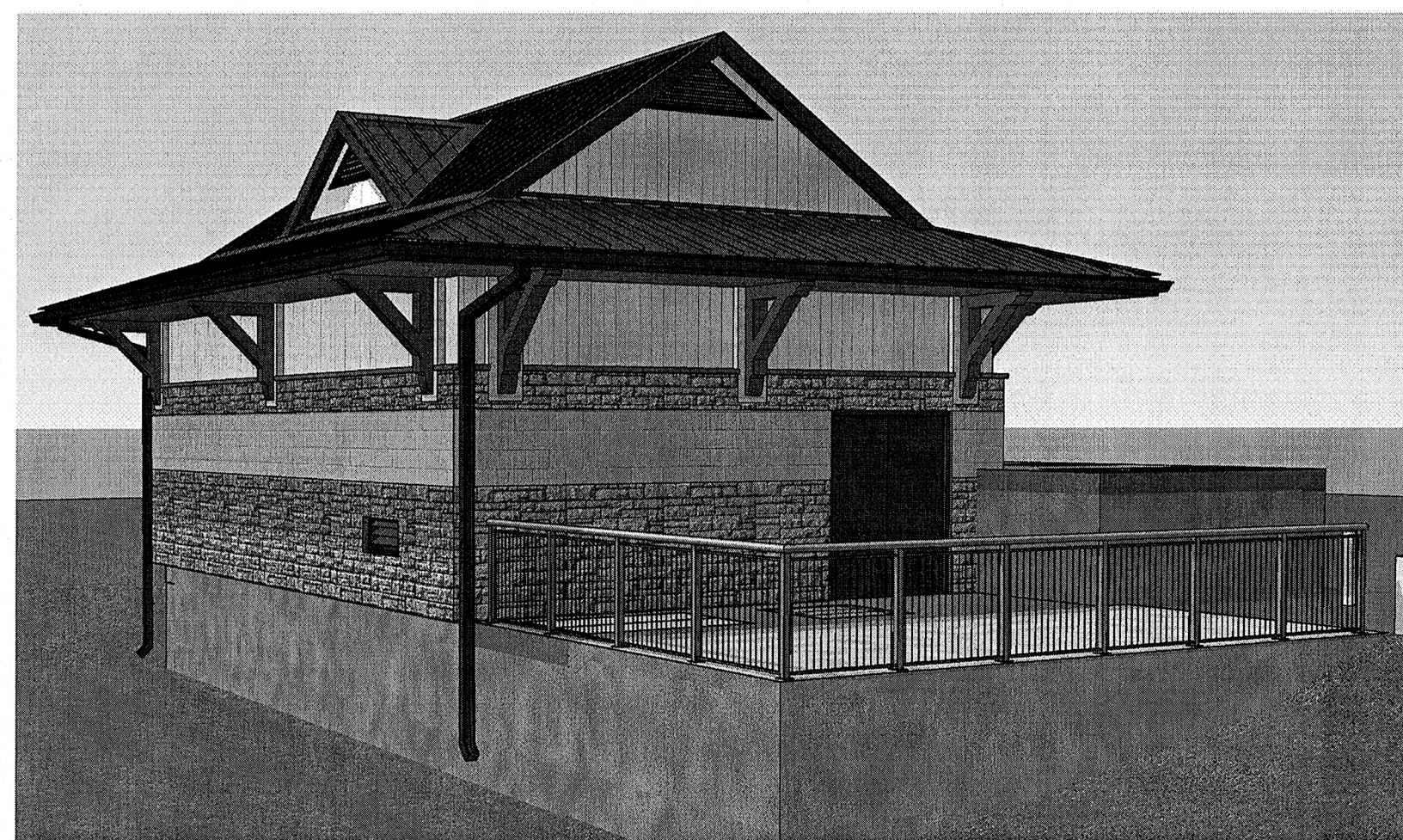


**LIFE SAFETY PLAN**  
1:50



**DISCLAIMER:**  
3D VIEWS INCLUDED FOR EASE OF UNDERSTANDING THE PROJECT.  
DRAWN DETAILS TAKE PRECEDENCE OVER THESE VIEWS.

WALL SCHEDULE		
NO.	PLAN DETAIL	DESCRIPTION
MV-1		STONE VENEER, CMU WALL MV-1 LIMESTONE AND CONCRETE BRICK VENEER 25mm AIR SPACE 102mm RIGID INSULATION AIR/VAPOUR BARRIER 190 CMU (REFER TO DETAILS)
MP-1		METAL PANEL, CMU WALL MP-1 PRE-FINISHED METAL WALL PANEL 102mm RIGID INSULATION Z-GIRTS (HORIZ.) @ 600 o/c AIR/VAPOUR BARRIER 190 CMU (REFER TO DETAILS)
M-1		MASONRY WALL M-1 (60min. FRR) 190 CMU (REFER TO DETAILS)

**CODE ANALYSIS (NBC 2010)**

Date: July 16, 2013

Project Name: Plessis Road Underpass - Stormwater Pumping Station  
Winnipeg, Manitoba  
60273041

**General**

The superstructure (building) is a 1-storey above grade, un-sprinklered structure, primary function is a storm water lift station with two levels below grade (substructure) having a total depth below grade of 13m.

Major Occupancy Classifications: Part 9, Article 1.3.3.3., Group F, Division 3,  
Building Area: 7,424m x 10,824m = 80.36 m<sup>2</sup>  
Building Height: 1 - storey (3.8m ht)  
Number of Streets: 3  
Building is Sprinklered: No  
Design Occupant Load: 0 - 3 intermittent maintenance only

**Section (3.2) (9.10.8) Building Fire Safety**

Building Size and Construction Relative to Occupancy:  
Construction Article: The building would be regulated under:  
Part 9.10.2.1, Group F, Division 3

Non-combustible or Combustible: The building may be Combustible or Non-combustible construction  
Floor Assemblies: No ratings required  
Roof Assemblies: No ratings required  
Supporting Elements: Non-combustible construction

**Section (3.2.3) (9.10.14) Spatial Separation:** Multiple properties owned by the City of Winnipeg are part of this site therefore will be considered as one property, use 25m on all sides.

North: Ratio: 2:1 Area: 7,428 x 3.8 = 28.23 M<sup>2</sup>; LD 25 M, 100% opngs allowed and non-combustible cladding permitted.  
South: Ratio: 2:1 Area: 7,428 x 3.8 = 28.23 M<sup>2</sup>; LD 25 M, 100% opngs allowed and non-combustible cladding permitted.  
East: Ratio: 3:1 Area: 10,828 x 3.8 = 41.15 M<sup>2</sup>; LD 25 M, 100% opngs allowed and non-combustible cladding permitted.  
West: Ratio: 3:1 Area: 10,828 x 3.8 = 41.15 M<sup>2</sup>; LD 25 M, 100% opngs allowed and non-combustible cladding permitted.

**Section (3.2.4) (9.10.18.2) Fire Alarm:**  
A fire alarm system is not required.

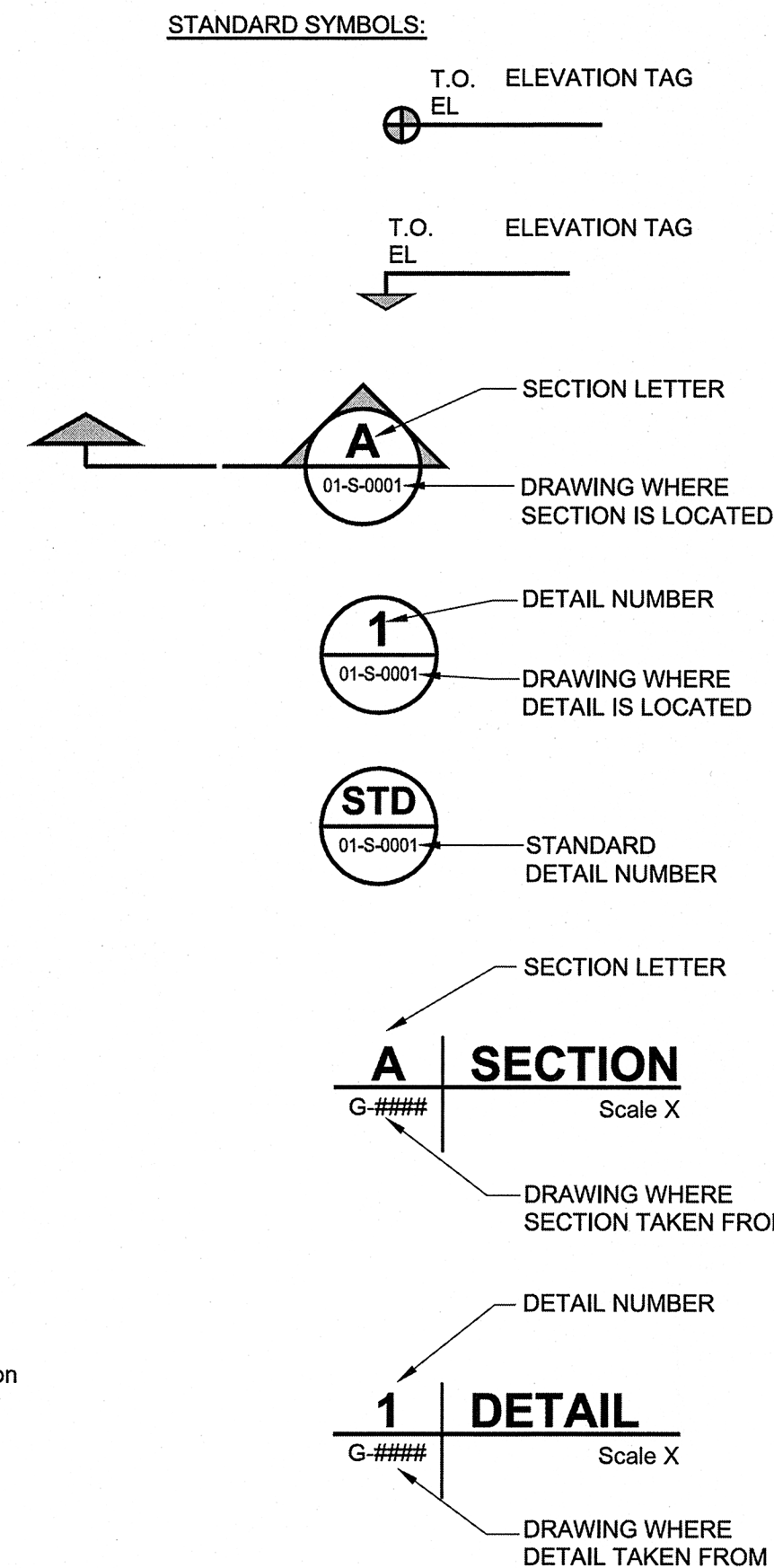
**Section (3.2.5) (9.10.20.3) Provisions for Firefighting:**  
Access for Fire Department Vehicles: Yes access is provided on three sides  
Hydrants Location: conforming situation  
Sprinkler: Not required

**Section (3.2.7) Emergency Lighting:**  
Emergency lighting is required.

**Section (3.4) (9.9.7.4) Exits**  
One exit is required: 1 exit is provided.  
Exit signage is required

**Section (3.7) Washrooms:**  
Not required.

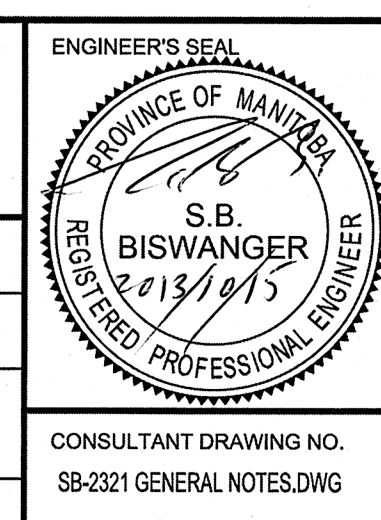
**Section (3.8) Barrier-Free Design:**  
Barrier-free access not required.



<b>LOCATION APPROVED UNDERGROUND STRUCTURES</b>		B.M. ELEV.	
SUPV. U/G STRUCTURES COMMITTEE	DATE		
<b>NOTE:</b> 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.			
0	ISSUED FOR TENDER	13/10/15	KK
NO.	REVISIONS	DATE	BY

**AECOM**

DESIGNED BY: KK  
CHECKED BY: *M.S.B.*  
DRAWN BY: KK  
APPROVED BY: *[Signature]*  
HOR. SCALE: AS NOTED  
VERTICAL: AS NOTED  
RELEASED FOR CONSTRUCTION BY: *[Signature]*  
DATE: 2013-07-12  
DATE: XXX



**THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT**

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION CONTRACT 3

STRUCTURAL SUPERSTRUCTURE GENERAL NOTES AND ABBREVIATIONS

CITY DRAWING NUMBER: U238-2014-2321  
SHEET 01 OF 08

SB-0001



BID OPPORTUNITY NO. 712-2013