



**NOTES:**

1. THE EXISTING PILING AND CLARIFIER WALL IS DESIGNED FOR AN AXIAL LOAD OF 35500 KG. DOME SELF WEIGHT + 1.0 kPa LIVE LOAD ON DOME + 2.50 kPa SNOW LOAD ON DOME. THE WALL IS NOT DESIGNED FOR ANY FORCE PERPENDICULAR TO THE WALL.
2. ALL BACKFILLING AND WEeping TILE DETAILS ARE SIMILAR TO SHOWN ON SECTION B/SGAD-S020, TYP.
3. 300mm THICK GEOFOAM TYPE EPS 15 OR EQUAL ON TOP OF SLAB WITH MAXIMUM 300mm EARTH COVER ON TOP OF GEOFOAM. TYPICAL OVER ENTIRE ROOF SLAB UNLESS NOTED OTHERWISE. PROVIDE 60 MIL PVC SHEET ON TOP OF GEOFOAM OVER ENTIRE FOOTPRINT. TAPE ALL SEAMS. EXTEND UP AND DOWN FROM WALL/SLAB/CURB INTERSECTIONS 1300mm ALL AROUND.
4. WHERE THE EXCAVATION LINE IS LOCATED BELOW THE UNDERSIDE OF THE VOID FORM, FILL THE AREA WITH CLASS 4 BACKFILL COMPACTED TO 98% SPMDD.

**A SECTION**  
1:50

- SGAD-S001, SGAD-S002, SGAD-S003, SGAD-S004, SGAD-S006, SGAD-S007, SGAD-S008, SGAD-S009, SGAD-S011, SGAD-S012, SGAD-S013, SGAD-S014, SGAD-S016, SGAD-S017



NO.	REVISIONS	DATE	DESIGN	CHECK
01	ISSUED FOR ADD. 2 - B.O. 899-2015	02/2016	G.O.	J.C.
00	ISSUED FOR TENDER - B.O. 899-2015	01/2016	G.O.	J.C.

**CH2MHILL**  
SNC-LAVALIN

DESIGNED BY: A. THAKKAR  
DRAWN BY: G. OMORI  
SCALE: 1:50  
DATE: 2016/01/29  
CONSULTANT NO.: 474248

CHECKED BY: E. LUI  
APPROVED BY: H.T. FREIHAMMER  
ISSUED FOR CONSTRUCTION BY: T. TURZAK  
DATE: 2016/01/29

ENGINEER'S SEAL  
24/02/2016  
PROVINCE OF MANITOBA  
S.L.E. LUI  
Member 37003  
REGISTERED PROFESSIONAL ENGINEER

THE CITY OF WINNIPEG  
Winnipeg WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE  
SEWPPC UPGRADING/EXPANSION PROJECT  
STRUCTURAL  
SECONDARY CLARIFIERS 4 AND 5  
SECTION A

CITY DRAWING NUMBER: 1-0102-SGAD-S019  
SHEET: 001  
REV: 01  
SIZE: A1