



- GENERAL NOTES:**
- FOR CONCRETE FINISHES SEE SPECIFICATIONS
  - SEE DETAILS (0315-803), (0330-004) & (0330-812)  
TYPICAL FOR ALL WALLS BELOW GRADE AND ALL LIQUID RETAINING WALLS.
  - 1000mm MIN WIDE TYPE 2 CRUSHED ROCK COMPACTED TO 98% SPMD IN MAXIMUM LIFTS OF 300mm AGAINST WALL.
  - BACKFILL THE AREA WITH SELECT ONSITE FILL COMPACTED TO 98% SPMD IN MAXIMUM LIFTS OF 300mm.
  - 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.
  - PROVIDE WEeping TILE SYSTEM ALL AROUND. SEE DWG CGAD-S001 FOR LAYOUT AND DETAILS.
  - WHERE THE EXCAVATION LINE IS LOCATED BELOW THE UNDERSIDE OF THE VOID FORM, FILL THE AREA WITH CLASS 4 BACKFILL COMPACTED TO 98% SPMD.

**M SECTION**  
1:50  
SGAD-S001, SGAD-S005, SGAD-S006, SGAD-S010, SGAD-S011, SGAD-S015, SGAD-S016, SGAD-S018

- LEAVE THE SHORING FOR THIS WALL IN PLACE UNTIL THE SLAB IS POURED AT EL 233.477.
- LEAVE THE SHORING IN PLACE UNTIL THE CMU WALL IS PLACED BELOW.

**N SECTION**  
1:50  
SGAD-S001, SGAD-S005, SGAD-S006, SGAD-S010, SGAD-S011, SGAD-S015, SGAD-S016, SGAD-S018



|   |         |                        |                  |
|---|---------|------------------------|------------------|
|   |         | ENGINEER'S SEAL        |                  |
|   |         |                        |                  |
| DESIGNED BY: A. THAKKAR<br>CHECKED BY: E. LUI<br>DRAWN BY: G. OMORI<br>APPROVED BY: H.T. FREIHAMMER<br>SCALE: 1:50<br>ISSUED FOR CONSTRUCTION BY: T. TURZAK<br>DATE: 2016/01/29 |         | CONSULTANT NO.: 474248 |                  |
| 01 ISSUED FOR ADD. 2 - B.O. 899-2015  | 02/2016 | G.O. J.C.              | DATE: 2016/01/29 |
| 00 ISSUED FOR TENDER - B.O. 899-2015  | 01/2016 | G.O. J.C.              | DATE: 2016/01/29 |
| NO. REVISIONS   | DATE    | DESIGN CHECK           |                  |

**THE CITY OF WINNIPEG**  
 WATER AND WASTE DEPARTMENT  
 SOUTH END WATER POLLUTION CONTROL CENTRE  
 SEWPC UPGRADING/EXPANSION PROJECT  
 STRUCTURAL  
 SECONDARY CLARIFIERS 4 AND 5  
 SECTIONS M AND N  
 CITY DRAWING NUMBER: 1-0102-SGAD-S030  
 SHEET: 001  
 REV: 01  
 SIZE: A1