

SECTION J-J
SCALE: 1:10

38mmØ O.D. GUARD
RAIL

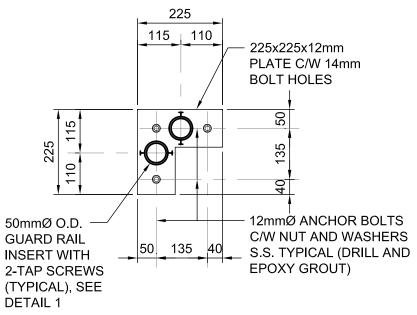
50mmØ O.D. GUARD
RAIL INSERT

2-TAP SCREW AT
E.F.
BASE PLATE

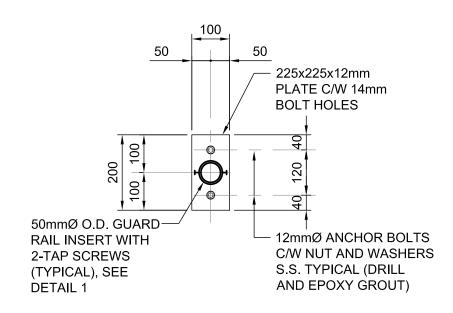
BITUMINOUS PROTECTIVE
SEPARATION MEMBRANE
(TYPICAL SEPARATOR
FOR ALUMINIUM PLATE
ONLY)

**DETAIL 1** 

SCALE: 1:4



MARK P-1 SCALE : 1:10



MARK P-2 SCALE: 1:10

## NOTES:

- 1. LAPEYRE STAIR WITH SAFETY GATE SHALL BE ALUMINIUM 68°. SUPPLIER TO SHIP HANDRAILS NOT ATTACHED. ASSEMBLE STAIRS AND HANDRAIL ONCE LAPEYRE BOTTOM TREADS ARE INSTALLED.
- 2. INSTALL GROUT LEVELLING PAD AT LAPEYRE STAIR AND EXISTING VALVE PIT FLOOR SLAB.
- 3. ALL RAIL TO BE 6mm THICK STAINLESS STEEL OR ALUMINIUM (TYPICAL UNLESS NOTED).
- 4. ALL BASE PLATES TO BE STAINLESS STEEL OR ALUMINIUM (TYPICAL UNLESS NOTED).

THE CITY OF WINNIPEG

WATER AND WASTE DEPARTMENT

**ENGINEERING DIVISION** 

- 5. ALL ALUMINIUM IN CONTACT WITH CONCRETE TO USE A BITUMINOUS SEPARATION MEMBRANE.
- 6. CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO CONSTRUCTION.

Certificate of Authorization
Kemp Engineering Inc.
No. 1003 Date: OCK/20/2

B.M. ELEV. LOCATION APPROVED UNDERGROUND STRUCTURES COSTRUCTION COMPLETION DATE: YYYY MM DD SUPV. U/G STRUCTURES COMMITTEE DATE CHECKED DESIGNED FAK FAK 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. APPROVED DRAWN FAK BH RELEASED FOR CONSTRUCTION SCALE: HORIZONTAL AS NOTED VERTICAL 2012 10 15 DATE REVISIONS DATE

ENGINEER'S SEAL

V

KEMP

CONSULTANT DRAWING NUMBER

Winnipeg

WILKES AVE RESERVOIR
WILKES RESERVOIR VALVE PIT B

TYPICAL HAND RAILING DETAILS

SHEET 7 OF 7

D-13053

PORTUNITY: XXX-20XX FILE PATH: C:\2CURRENT\_PROJECTS\Kemp Engineering\Wilkes Ro