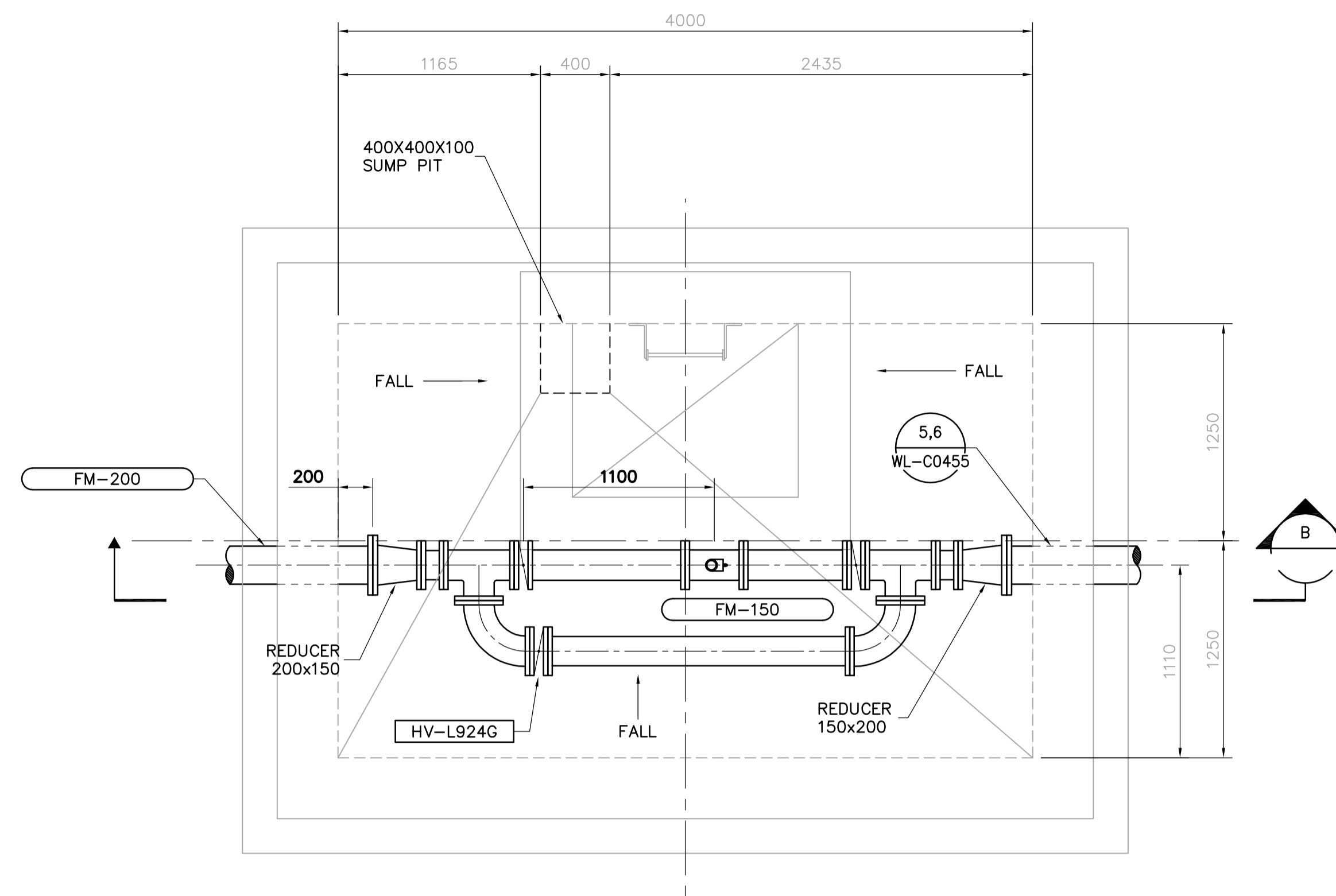


1 STANDARD PRECAST CONCRETE MANHOLE
NTS

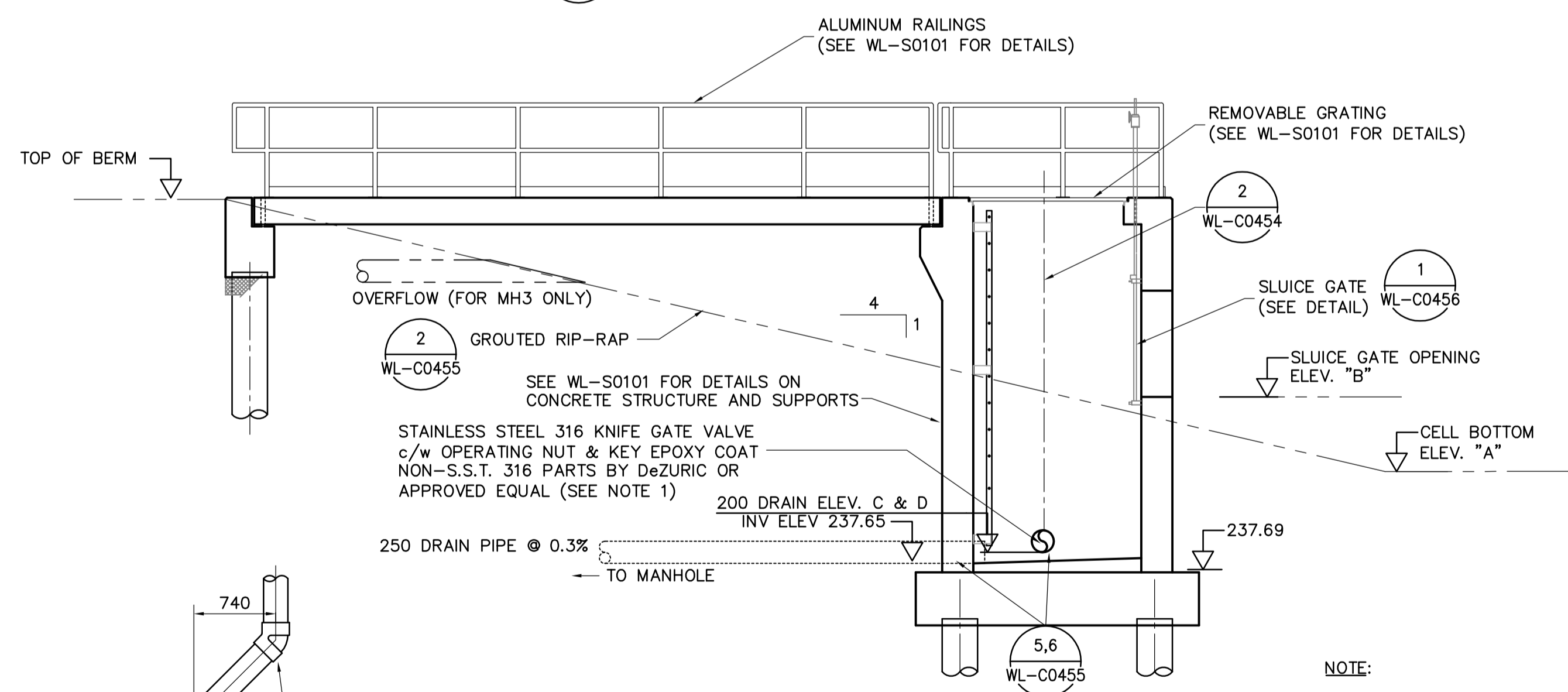
NOTES:

1. MANHOLE AS PER CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATION CW-2130-R6
2. COMPLY WITH ASTM C478-88, SPECIFICATION FOR PRE-CAST REINFORCED CONCRETE MANHOLE SECTIONS AND CAN3-423-M7, CONCRETE MATERIALS AND METHODS FOR CONCRETE.

4 VALVE DETAILS
NTS



PLAN "A"
NTS

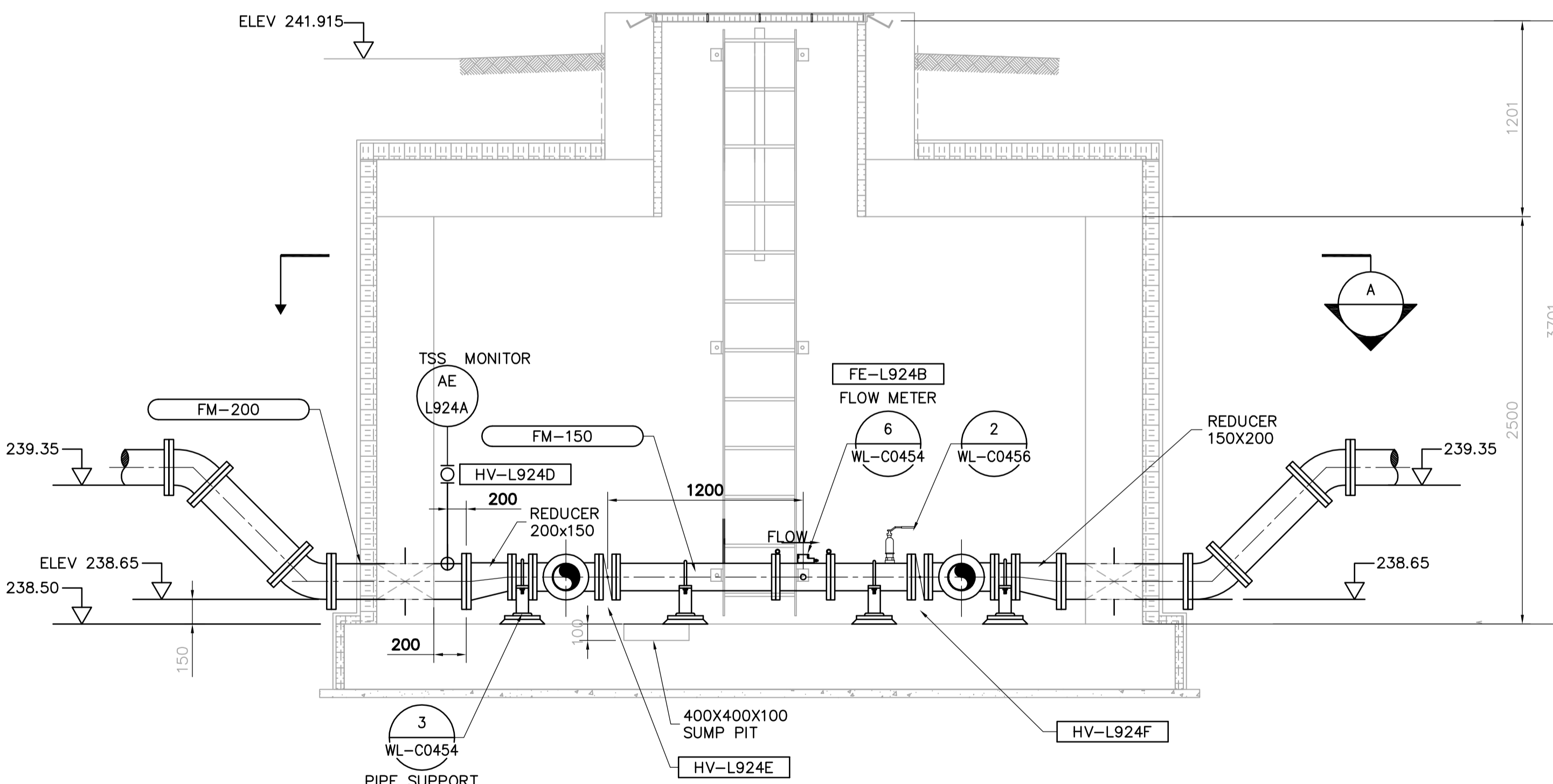


2 DECANT STRUCTURE (TYP)
NTS

NOTE:

1. KNIFE GATE VALVE NOT REQUIRED IN CELL 2 DECANT.

| | A | B | C | D |
|--------|--------|--------|---------|----------|
| CELL 1 | 238.49 | 239.29 | 237.89 | 237.89 |
| CELL 2 | 238.53 | 239.33 | N/A | N/A |
| CELL 3 | 238.55 | 239.35 | 237.88 | 237.88 |
| CELL 4 | 238.48 | 239.28 | 237.98* | 237.88** |

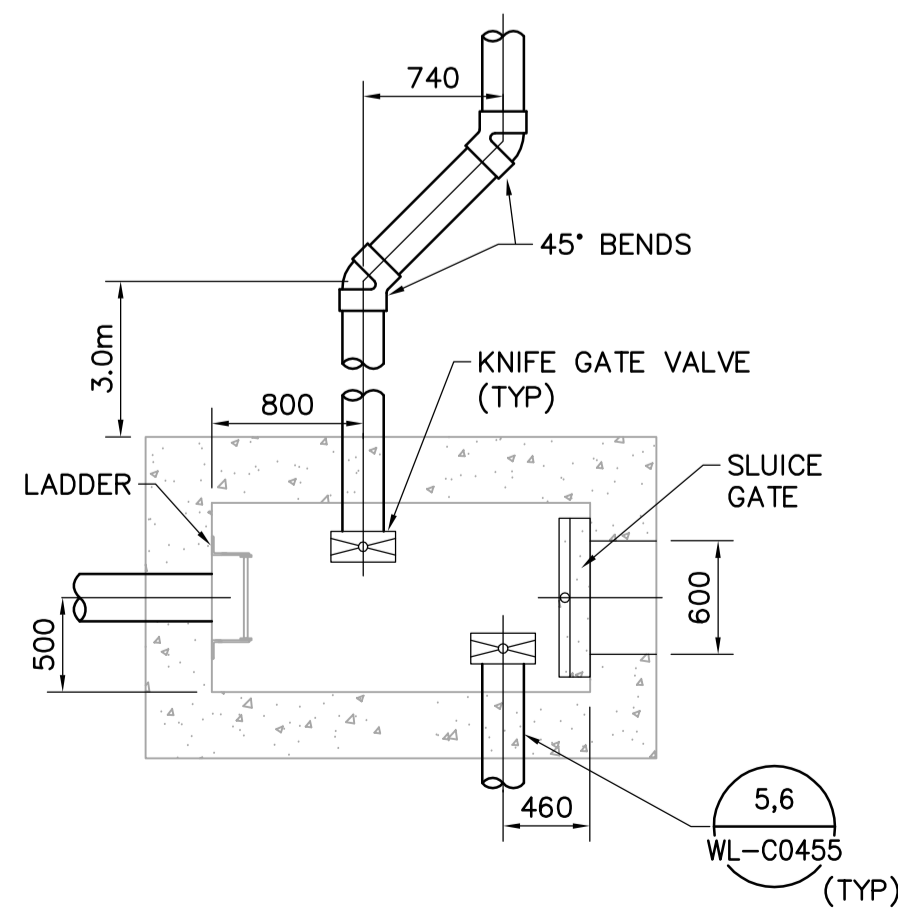


SECTION "B"
NTS

3 METERING CHAMBER
1:25

NOTES:

1. SEE WL-S0100 FOR STRUCTURAL DETAILS.
2. PIPING TO BE SCH40 STEEL PIPE EPOXY COATED AS PER SECTION 11900 & 11901 CATEGORY B.
3. USE KNIFE GATE VALVES AS SPECIFIED IN SECTION 02531.



5 DECANT STRUCTURE (TYP)
NTS

| | | | | | | | |
|---------------------------------------------------------------------------------------------------|---------------|-------------------------------------------|------------------------------------------|-----------------|-------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|
| <p>Certificate of Authorization Earth Tech Canada Inc. No. 730 Expiry: April 30, 2007</p> | B.M. ELEV. | <p>Frederickson Cooper ARCHITECTS</p> | <p>A Type International Ltd. Company</p> | ENGINEER'S SEAL | <p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION</p> | | |
| | | | | DESIGNED BY SM | | CHECKED BY SRB | ORIGINAL SIGNED BY |
| | | | | DRAWN BY JBC | | APPROVED BY DJT | S.R. BILEVICIUS |
| | | | | SCALE: AS NOTED | | RELEASED FOR CONSTRUCTION BY: R. SOROKOWSKI | 2006/03/07 |
| | NO. REVISIONS | DATE | BY | DATE | CONSULTANT DRAWING NO. WL-C0450 | CIVIL MISCELLANEOUS DETAILS | CITY FILE NUMBER SHEET OF |
| | | | | | | | CITY DRAWING NUMBER 1-0601L-A-C0450-001-030 |