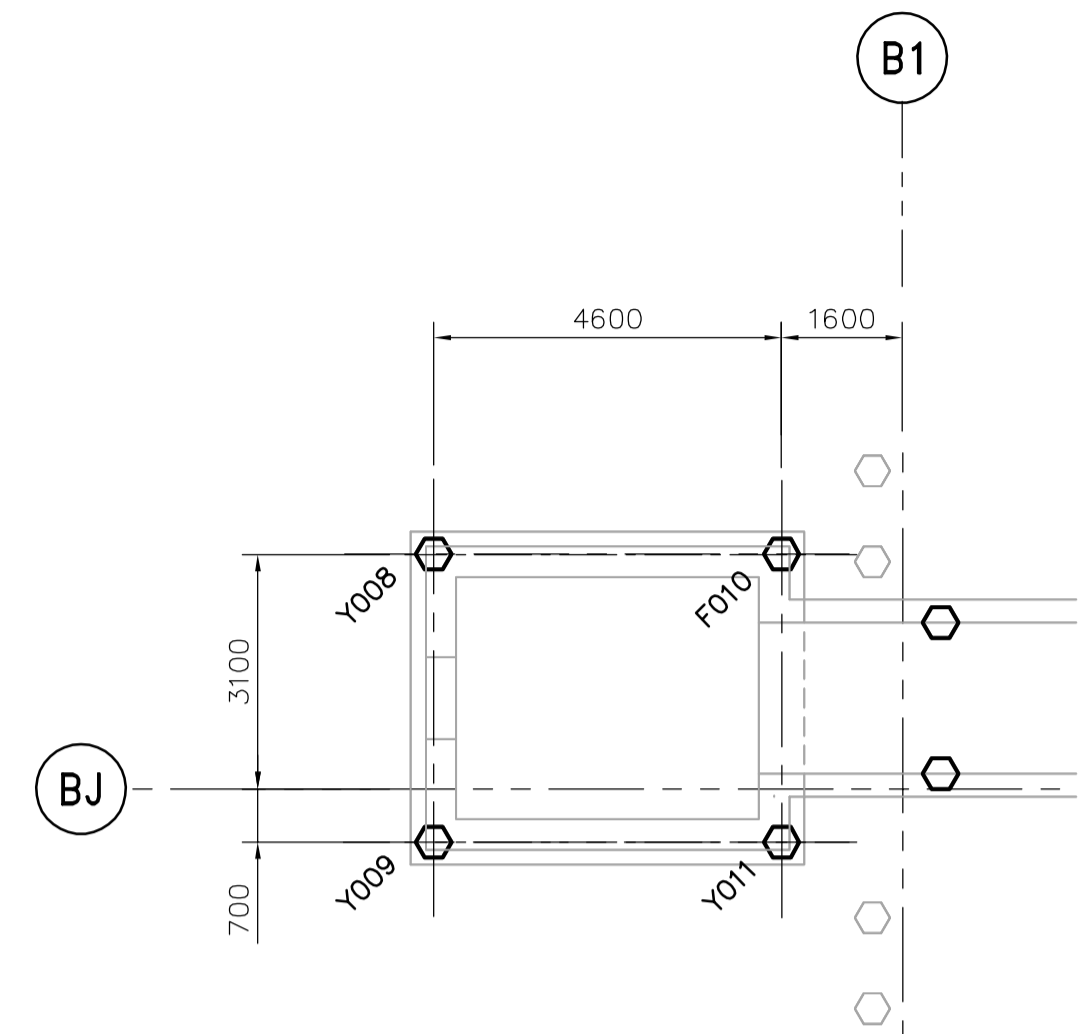

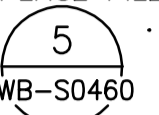


FLAP GATE CHAMBER NO. 1



FLAP GATE CHAMBER NO. 2

- NOTES:**
- FOR GENERAL NOTES SEE DWG WM-S9002.
  - NUMBERING OF PILES DOES NOT INDICATE SEQUENCE OF INSTALLATION.
  - ALL PILES TO BE 400# HEX.
  -  NOT IN CONTRACT
  - PILES WITHOUT NUMBERS ARE CALLED UP ON THE DRAWINGS FOR THE ADJACENT AREA.
  - FOR TYPICAL CAST IN-PLACE PILE EXTENSION AND CUT-OFF DETAILS SEE  WB-S0460

**FLAP GATE PILING SCHEDULE**

**FLAP GATE CHAMBER NO. 1**

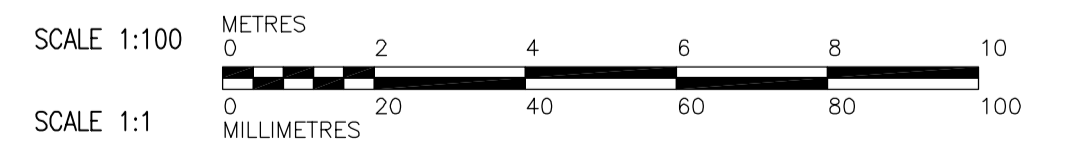
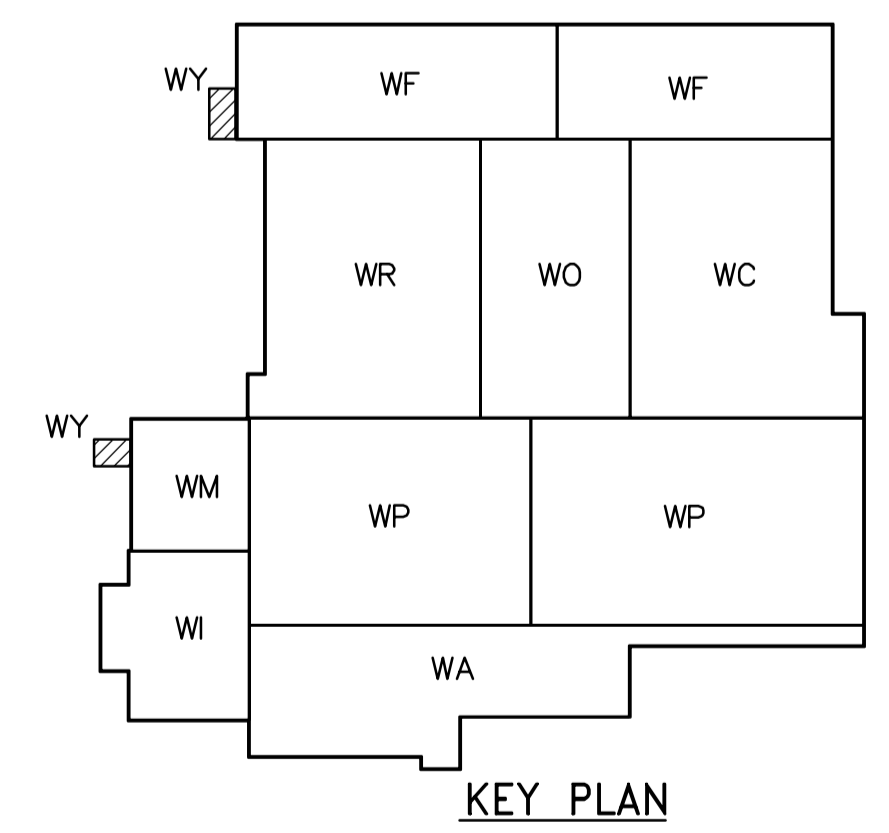
+ X-COORDINATE MEASURED EAST FROM GRID LINE B1  
 + Y-COORDINATE MEASURED NORTH FROM GRID LINE BD





| PILE NUMBER | X-COORDINATE | Y-COORDINATE | PILE CUT-OFF ELEVATION | PILE TIP ELEVATION | NOTES |
|-------------|--------------|--------------|------------------------|--------------------|-------|
| Y001        | 12835        | 8007         | 232.475                |                    |       |
| Y002        | 12835        | 5447         | 232.475                |                    |       |
| Y003        | 12835        | 2887         | 232.475                |                    |       |
| Y004        | 12835        | 327          | 232.475                |                    |       |
| Y005        | 16235        | 8007         | 232.475                |                    |       |
| Y006        | 16235        | 4167         | 232.475                |                    |       |
| Y007        | 16235        | 327          | 232.475                |                    |       |

**FLAP GATE CHAMBER NO. 2**

+ X-COORDINATE MEASURED EAST FROM GRID LINE B1  
 + Y-COORDINATE MEASURED NORTH FROM GRID LINE BJ

| PILE NUMBER | X-COORDINATE | Y-COORDINATE | PILE CUT-OFF ELEVATION | PILE TIP ELEVATION | NOTES |
|-------------|--------------|--------------|------------------------|--------------------|-------|
| Y008        | -6200        | 3100         | 232.475                |                    |       |
| Y009        | -6200        | -700         | 232.475                |                    |       |
| Y010        | -1600        | 3100         | 232.475                |                    |       |
| Y011        | -1600        | -700         | 232.475                |                    |       |



|   |                      |  |   |  |  |                                    |                                |
|---|----------------------|--|---|--|--|------------------------------------|--------------------------------|
| <br>Certificate of Authorization<br>CH2M HILL Canada Ltd.<br>No. 1441 Expiry: April 30, 2006 | B.M.<br>ELEV.        | <br>Frederickson Cooper<br>ARCHITECTS | <br>A Geo International Ltd. Company | ENGINEER'S SEAL                                | <br><b>THE CITY OF WINNIPEG</b><br>WATER AND WASTE DEPARTMENT<br>ENGINEERING DIVISION<br><br>WATER TREATMENT PLANT<br>YARD PIPING AND VALVE CHAMBERS<br>FOUNDATIONS AND CONCRETE STRUCTURES<br><br>STRUCTURAL<br>FLAP GATES<br>PILING PLANS | CITY FILE NUMBER                   |                                |
|   |                      |  | DESIGNED BY: KA   | CHECKED BY: AP                                 |  | ORIGINAL SIGNED BY:<br>D. KRUGER   | SHEET OF                       |
|   |                      |  | DRAWN BY: PM  | APPROVED BY: DJT                               |  | 2006/02/06                         | CITY DRAWING NUMBER            |
|   |                      |  | SCALE: 1:100  | RELEASED FOR CONSTRUCTION BY:<br>R. SOROKOWSKI |  | CONSULTANT DRAWING NO.<br>WY-F0101 | <b>1-06011-B-F0101-001-00D</b> |
|   | 00 ISSUED FOR TENDER | 2006/02/03   | KA  | DATE 2005/08/10                                | DATE 2006/02/08  |                                    |                                |