

Certificate of Authorization MMM Group Limited No. 4531 Date: 09.09.18 1.0 1.5 2.0m THE CITY OF WINNIPEG MMM Group Limited Suite 111 - 93 Lombard Ave. Winnipeg, MB R3B 3B1 t. 204.943.3178 | f. 204.943.4948 WASTE AND WATER DEPARTMENT **MMM** GROUP Winnipeg www.mmm.ca CONSULTANT DRAWING No.: CHECKED BY DESIGNED GK 5509090-S3 **OUTFALL GATE CHAMBER CONSTRUCTION** DRAWN APPROVED LOMBARD AVE. & WATERFRONT DR. CDP JPL BY

GALVANIZED STEEL FENCE (PAINTED)

SEE SECTION A ON SHEET 6

SEE SECTION A ON SHEET 6

FINISHED GROUND

ELEV. VARIES

(SEE SHEET 1)

1 000

300 235± 300

NEW 900 DIA. CONCRETE LDS

TYPICAL ALL AROUND WITH 1 050 WIDE GATE (CLEAR)

- 2 COURSES OF 90 SPLIT FACE TYNDALL STONE

WITH SMOOTH FACE TYNDALL STONE CAP AND

- NON-SHRINK FILL TO

T.O. BASE SECTION

BETWEEN CHAMBER

& BASE SECTION

INVERT ₩

– 914 ROUND FLANGE / ROUND

OPENING WALL THIMBLE

(SUPPLIED BY CITY)

L90 x 90 x 5 CONT. SHELF ANGLE (TYP ALL AROUND)

- 750 MANHOLE COVER & FRAME

- 750 DIA. MANHOLE RISER

- RUNGS @ 300 O.C.

/ 1 200 DIA. FLAT TOP REDUCER

- 1 200 DIA. MANHOLE

RISER

- 1 500 DIA. FLAT TOP

1 500 DIA. MANHOLE BASE SECTION

 $ELEV = 224.125 \pm$ INVERT

ELEV = 223.800

ELEV = 223.500B.O. CONC.

T.O. CONC.

- LINE OF NEW 900 DIA. CONCRETE LDS BEHIND

(CONCRETE COLLAR NOT SHOWN FOR CLARITY)

REDUCER

ELEV = 229.860

T.O. MH RIM

— CONCRETE BENCHING AFTER GATE INSTALLATION

A = DETAIL/SECTION No. B = DRAWING WHERE SHOWN C = DRAWING WHERE TAKEN

METRIC WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES

These design documents are prepared solely for the use by the party with whom the design professional has entered into a contract and there are no representations of any kind made by the design professional to any party with whom the design professional has not entered into a contract. NOTE: CONTRACTOR SHALL CONFIRM ACTUAL PIPE INVERT AND NOTIFY CONTRACT ADMINISTRATOR OF ANY DISCREPANCY WITH THE INVERTS SHOWN. CONTRACTOR TO CONTACT CONTRACT ADMINISTRATOR FOR CURRENT GROUNDWATER ELEVATION.

SCALE LEGEND:

lo. REVISIONS

HOR. SCALE RELEASED FOR AS NOTED CONSTRUCTION VERT SCALE AS NOTED K. ZUREK, P. ENG. ISSUED FOR TENDER 09.09.18 GK DATE BY DATE 09.09.18 DATE 09.09.18

ORIGINAL SIGNED BY BID OPPORTUNITY: 632-2009 PLOT DATE:

LDS OUTFALL GATE CHAMBER CONCRETE DETAILS (SHEET 2 OF 2)

CITY DRAWING No.: LD-5440