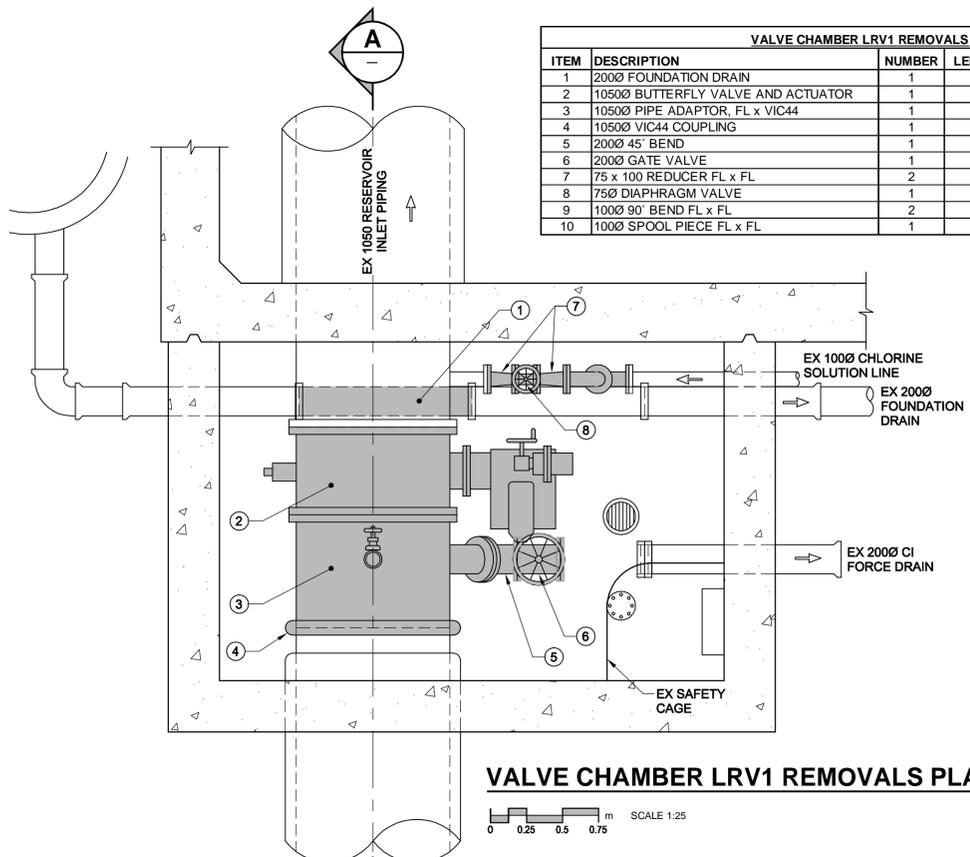
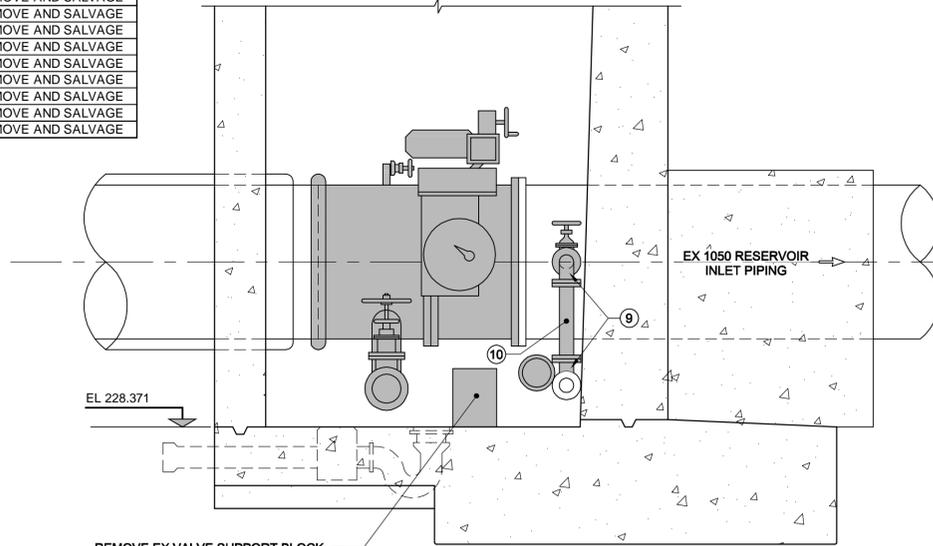


VALVE CHAMBER LRV1 REMOVALS				
ITEM	DESCRIPTION	NUMBER	LENGTH	
1	2000 FOUNDATION DRAIN	1		REMOVE AND REPLACE
2	10500 BUTTERFLY VALVE AND ACTUATOR	1		REMOVE AND SALVAGE
3	10500 PIPE ADAPTOR, FL x VIC44	1		REMOVE AND SALVAGE
4	10500 VIC44 COUPLING	1		REMOVE AND SALVAGE
5	2000 45° BEND	1		REMOVE AND SALVAGE
6	2000 GATE VALVE	1		REMOVE AND SALVAGE
7	75 x 100 REDUCER FL x FL	2		REMOVE AND SALVAGE
8	750 DIAPHRAGM VALVE	1		REMOVE AND SALVAGE
9	1000 90° BEND FL x FL	2		REMOVE AND SALVAGE
10	1000 SPOOL PIECE FL x FL	1		REMOVE AND SALVAGE



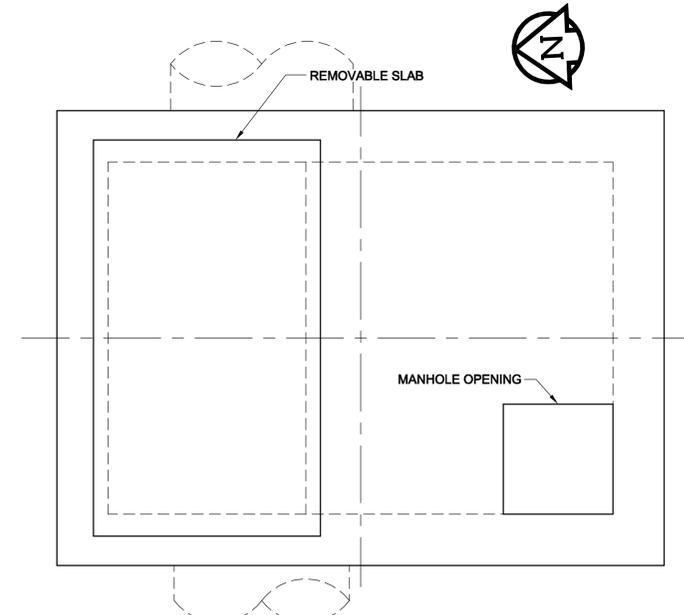
VALVE CHAMBER LRV1 REMOVALS PLAN

SCALE 1:25
0 0.25 0.5 0.75 m



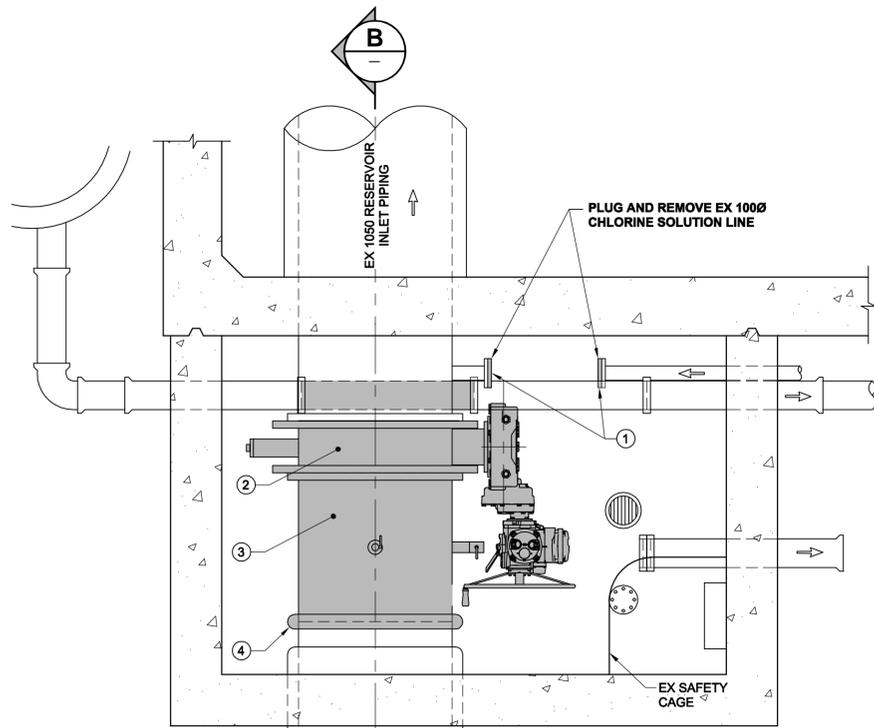
SECTION A

SCALE 1:25
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VALVE CHAMBER LRV1 REMOVALS



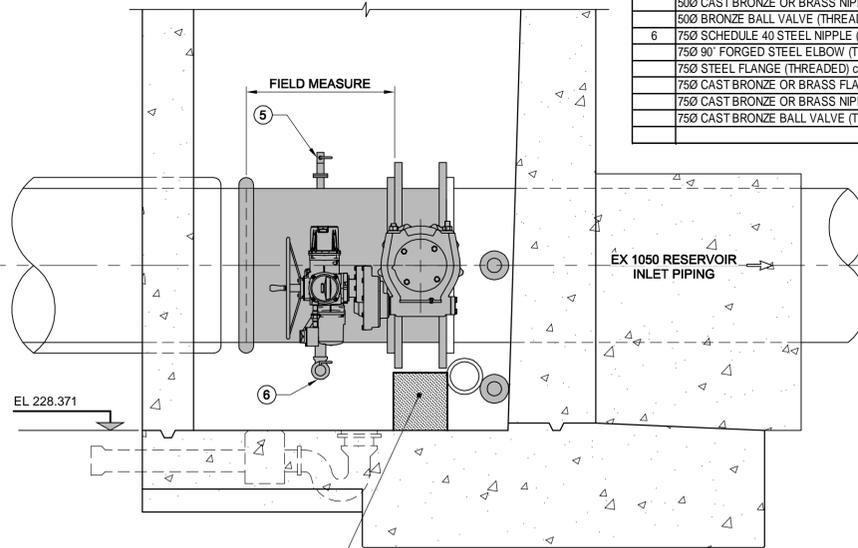
EXISTING ROOF PLAN

SCALE 1:25
0 0.25 0.5 0.75 m



VALVE CHAMBER LRV1 MODIFICATIONS PLAN

SCALE 1:25
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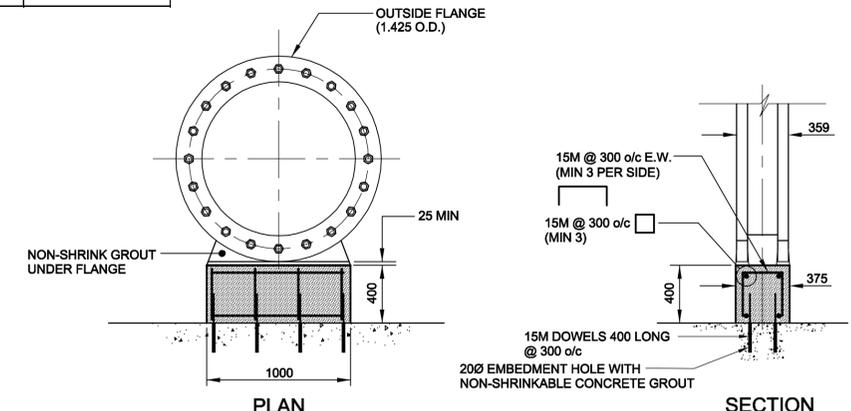


SECTION B

SCALE 1:25
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VALVE CHAMBER LRV1 PIPING MODIFICATIONS

VALVE CHAMBER LRV1 PIPING MODIFICATIONS			
ITEM	DESCRIPTION	NUMBER	LENGTH
1	1000 125# BLIND FLANGE	2	
2	10500 AWWA C504 FLANGED BUTTERFLY VALVE (250# FLANGE / 125# DRILLING) (CITY SUPPLIED)	1	359
3	10500 STEEL SPOOL PIECE FL x VIC44	1	1032+/- FIELD MEASURE
4	10500 VIC 44 COUPLING	1	
5	500 SCHEDULE 40 STEEL NIPPLE (THREADED)	1	
6	500 STEEL FLANGE (THREADED) c/w ISOLATION KIT	1	
7	500 CAST BRONZE OR BRASS FLANGE (THREADED)	1	
8	500 CAST BRONZE OR BRASS NIPPLE (THREADED)	1	
9	500 BRONZE BALL VALVE (THREADED)	1	
10	750 SCHEDULE 40 STEEL NIPPLE (THREADED)	2	
11	750 90° FORGED STEEL ELBOW (THREADED)	1	
12	750 STEEL FLANGE (THREADED) c/w ISOLATION KIT	1	
13	750 CAST BRONZE OR BRASS FLANGE (THREADED)	1	
14	750 CAST BRONZE OR BRASS NIPPLE (THREADED)	1	
15	750 CAST BRONZE BALL VALVE (THREADED)	1	

CONSTRUCT CONCRETE VALVE BASE BLOCK
SEE DETAIL THIS DRAWING



CONCRETE VALVE BASE BLOCK DETAIL

SCALE 1:25
0 0.25 0.5 0.75 m

APEGM
Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date: Jan 29, 2009

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPR. U/G STRUCTURES COMMITTEE DATE
NOTE: 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.

NO.	ISSUED FOR CONSTRUCTION	DATE	BY
0	ISSUED FOR CONSTRUCTION	09/01/29	KMB
	REVISIONS	YYMMDD	BY

DESIGNED BY		CHECKED BY	
EDT	Marv McDonald		
DRAWN BY		APPROVED BY	
KMB	CCM		
HOR. SCALE		RELEASED FOR CONSTRUCTION	
AS NOTED			
VERT. SCALE		DATE	

PROFESSIONAL'S SEAL
Revision 0
Issued for Construction
WAS SEALED BY
E. D. J. TOUPIN
AND DATED
Jan 29, 2009
CONSULTANT DRAWING NO.
D265-234-00_01-C-4001_RX.dwg

BID OPPORTUNITY NO. 90-2009

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

REPLACEMENT OF VALVE LRV1 AT MACLEAN PUMPING STATION & RESERVOIR

DETAILS & SECTIONS

SHEET 2 OF 3
CITY DRAWING NUMBER
D-11659
REV 0