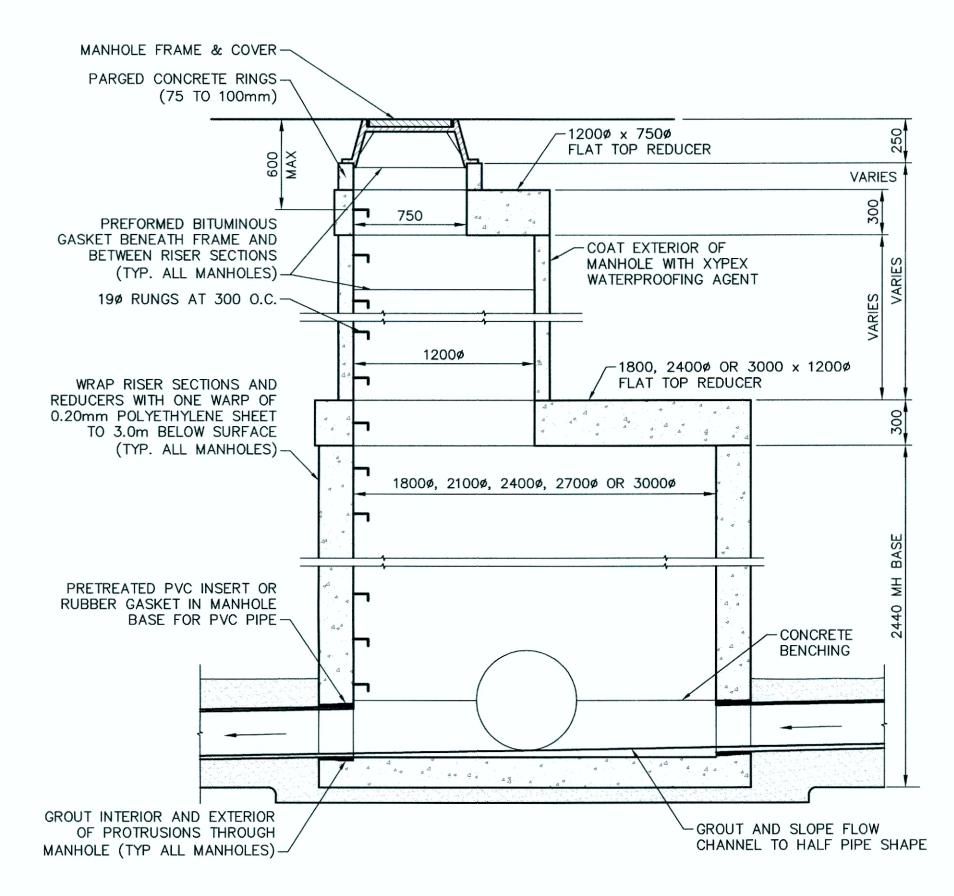


TYPICAL 1200Ø - 1500Ø MANHOLE DETAIL SCALE 1:25



TYPICAL LARGE DIAMETER (18000-30000) MANHOLE DETAIL

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES

ARE TO BE USED FOR EXCAVATION ON

THIS PROJECT THE CONTRACTOR MUST:

1) NOTIFY THE GAS COMPANY OF THE

PROPOSED LOCATION OF EXCAVATION.

2) TAKE PRECAUTION TO AVOID DAMAGE

SEE PROVINCIAL REGULATION 210/72 FOR DETAILS

TO GAS COMPANY INSTALLATIONS.

LOCATION APPROVED

UNDERGROUND STRUCTURES

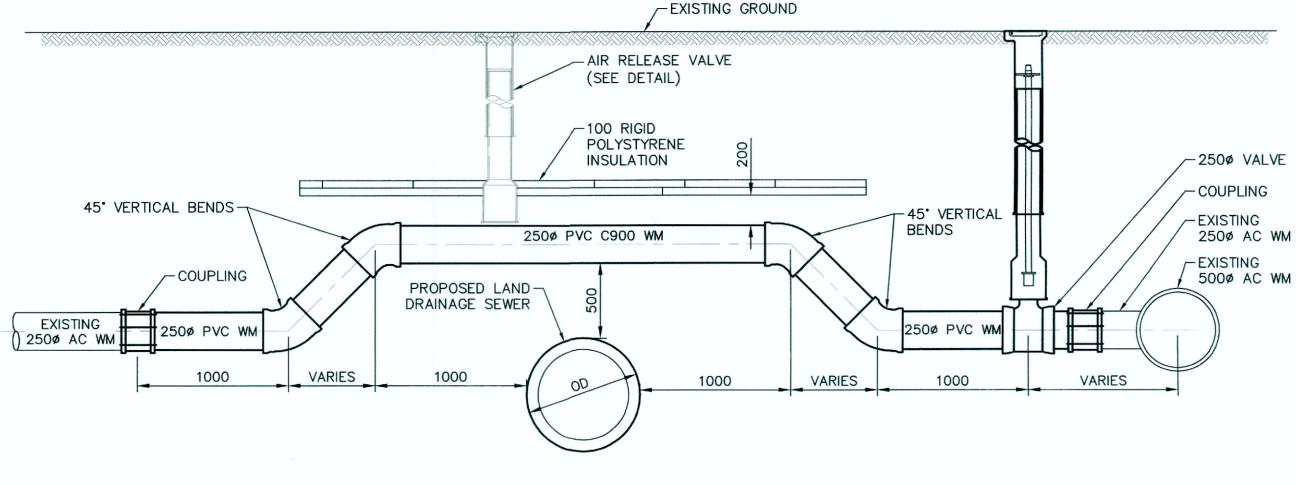
EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF

DATE

SUPV. U/G STRUCTURES

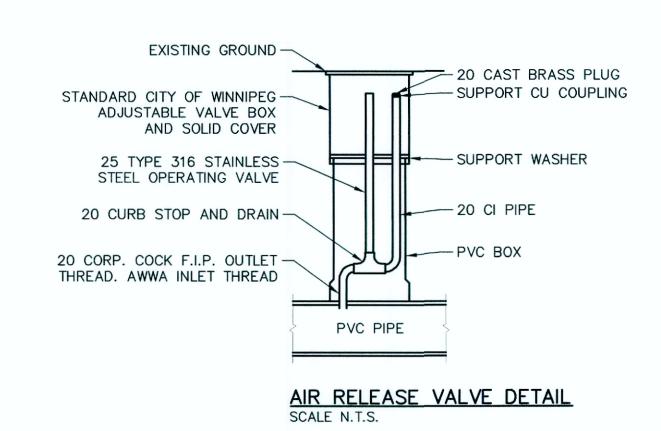
NOTE:

SCALE 1: 25



- 1. ALL 45° VERTICAL BENDS SHALL BE INSTALLED WITH MECHANICAL RESTRAINT JOINTS.
- 2. WATER MAIN INSULATION TO BE INSTALLED AS PER CITY OF WINNIPEG STANDARD DETAIL SD-018.
- 3. EXACT LOCATION OF THE AIR RELEASE VALVE TO BE CONFIRMED ON SITE.

250¢ WATER MAIN CROSSING DETAIL SCALE 1:25





ENGINEER'S SEAL MA DEDOVA 1316157

Winnipeg

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION

COCKBURN & CALROSSIE SEWER RELIEF WORKS SHEET 12 OF 12 CONTRACT 12 CITY DRAWING NUMBER MISCELLANEOUS DETAILS

LD-8954

**KGS** ELEV. GROUP CONSULTING CHECKED JMM DRAWN APPROVED RBO **GEL** LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL ISSUED FOR ADDENDUM 3 2019/05/07 M SCALE: RELEASED FOR CONSTRUCTION 1:250 ISSUED FOR ADDENDUM 2 2019/05/02 MID HORIZONTAL CONSULTANT DRAWING NUMBER EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION. 1:50 ISSUED FOR CONSTRUCTION 2019/04/17 VERTICAL DATE 2019 05 07 DATE

**METRIC** WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES

> 11-0107-18-C12\_LD-8954 DATE BID OPPORTUNITY: 354-2019 CONTRACT NUMBER: C12

FILE PATH: P:\Projects\2011\11-0107-18\Dwg\Mun\C12 - GRANT\
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