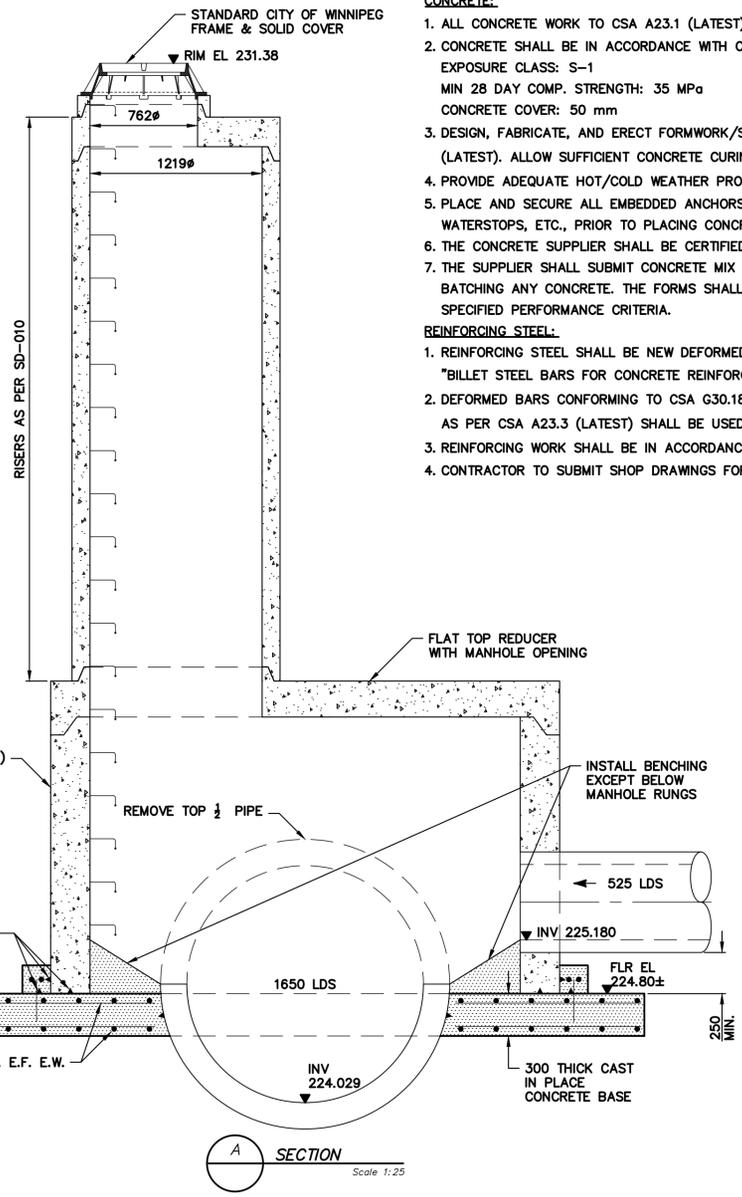
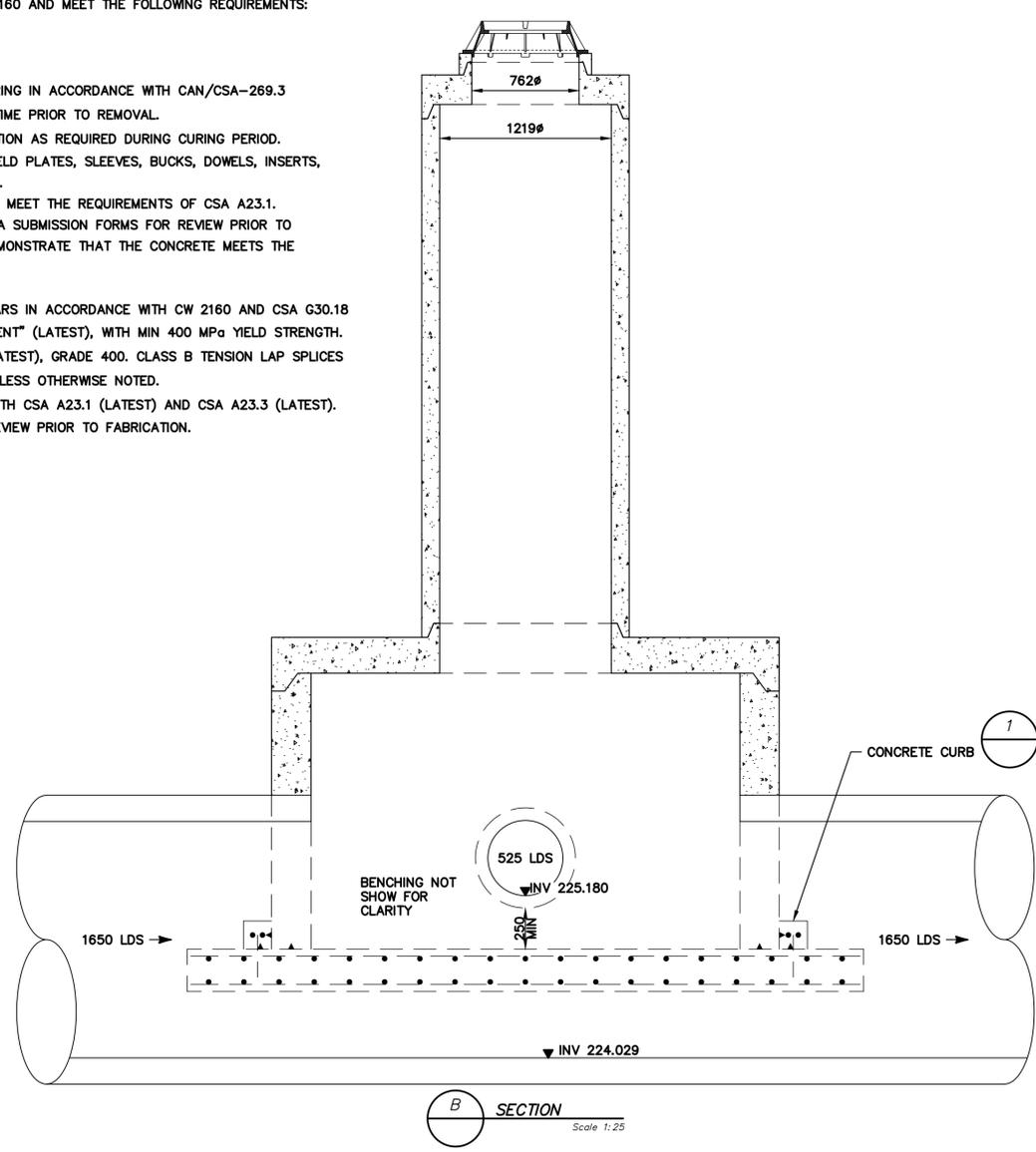


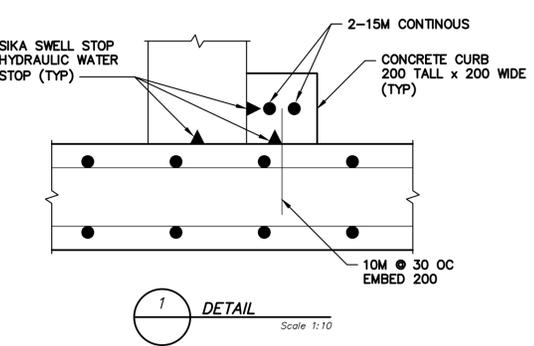
PLAN - MH10.6  
Scale 1:25



A SECTION  
Scale 1:25



B SECTION  
Scale 1:25



1 DETAIL  
Scale 1:10

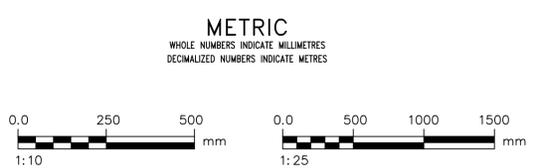
- GENERAL NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED. ALL ELEVATIONS ARE IN METERS AND ARE TO GEODETIC DATUM. THE CONTRACTOR SHALL VERIFY DIMENSIONS BEFORE BEGINNING CONSTRUCTION AND REPORT DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. DO NOT SCALE THE DRAWINGS.
  2. DISCREPANCIES OR AMBIGUITIES ON THE DRAWINGS AND/OR SITE, WHICH AFFECT THE STRUCTURAL FRAMING SHALL BE REPORTED TO THE ENGINEER.
  3. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND SERVICES PRIOR TO START OF CONSTRUCTION.
  4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL NECESSARY SHORING, BRACING AND FORM WORK. SUBMIT SHOP DRAWINGS PRIOR TO CONSTRUCTION.
  5. NOTIFY CONTRACT ADMINISTRATOR AT LEAST 72 HOURS PRIOR TO ALL CONCRETE POURS AND/OR INSTALLATION OF INTERIOR SHEATHING/FORMING, TO ALLOW FOR SITE REVIEWS.

- CONCRETE:**
1. ALL CONCRETE WORK TO CSA A23.1 (LATEST). TEST CONCRETE TO CSA A23.2 (LATEST).
  2. CONCRETE SHALL BE IN ACCORDANCE WITH CW 2160 AND MEET THE FOLLOWING REQUIREMENTS:  
EXPOSURE CLASS: S-1  
MIN 28 DAY COMP. STRENGTH: 35 MPa  
CONCRETE COVER: 50 mm
  3. DESIGN, FABRICATE, AND ERECT FORMWORK/SHORING IN ACCORDANCE WITH CAN/CSA-269.3 (LATEST). ALLOW SUFFICIENT CONCRETE CURING TIME PRIOR TO REMOVAL.
  4. PROVIDE ADEQUATE HOT/COLD WEATHER PROTECTION AS REQUIRED DURING CURING PERIOD.
  5. PLACE AND SECURE ALL EMBEDDED ANCHORS, WELD PLATES, SLEEVES, BUCKS, DOWELS, INSERTS, WATERSTOPS, ETC., PRIOR TO PLACING CONCRETE.
  6. THE CONCRETE SUPPLIER SHALL BE CERTIFIED TO MEET THE REQUIREMENTS OF CSA A23.1.
  7. THE SUPPLIER SHALL SUBMIT CONCRETE MIX DATA SUBMISSION FORMS FOR REVIEW PRIOR TO BATCHING ANY CONCRETE. THE FORMS SHALL DEMONSTRATE THAT THE CONCRETE MEETS THE SPECIFIED PERFORMANCE CRITERIA.

- REINFORCING STEEL:**
1. REINFORCING STEEL SHALL BE NEW DEFORMED BARS IN ACCORDANCE WITH CW 2160 AND CSA G30.18 "BILLET STEEL BARS FOR CONCRETE REINFORCEMENT" (LATEST), WITH MIN 400 MPa YIELD STRENGTH.
  2. DEFORMED BARS CONFORMING TO CSA G30.18 (LATEST), GRADE 400. CLASS B TENSION LAP SPLICES AS PER CSA A23.3 (LATEST) SHALL BE USED UNLESS OTHERWISE NOTED.
  3. REINFORCING WORK SHALL BE IN ACCORDANCE WITH CSA A23.1 (LATEST) AND CSA A23.3 (LATEST).
  4. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.

FOR INDEX SEE  
LD-13448

**ENGINEERS  
GEOSCIENTISTS  
MANITOBA**  
Certificate of Authorization  
AECOM Canada ULC  
No. 4671



**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 TO GAS COMPANY INSTALLATIONS.  
SEE PROVINCIAL REGULATION 210/72 FOR DETAILS

**LOCATION APPROVED  
UNDERGROUND STRUCTURES**  
SUPV. 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.

B.M. ELEV.		CONSTRUCTION COMPLETION DATE: YYYY MM DD	
0	ISSUED FOR TENDER	25/05/12	ADL
NO.	REVISIONS	DATE	BY

**AECOM**

DESIGNED BY	MJK	CHECKED BY	MGM
DRAWN BY	ADL	APPROVED BY	KWF
SCALE:	HORIZONTAL AS NOTED	RELEASED FOR CONSTRUCTION	S Cournoyer
VERTICAL	N/A	DATE	25 05 12
DATE	2025 05 12	DATE	25 05 12

PLOT DATE: 2025 05 12

ENGINEER'S SEAL  
PROVINCE OF MANITOBA  
J.A. THOMPSON  
REGISTERED PROFESSIONAL ENGINEER  
2025-05-13  
CONSULTANT DRAWING NUMBER  
C-4001

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT  
ENGINEERING DIVISION  
JEFFERSON EAST COMBINED SEWER RELIEF  
CONTRACT 10  
DETAILS  
MH10.6

SHEET 20 OF 21  
CITY DRAWING NUMBER  
LD-13466