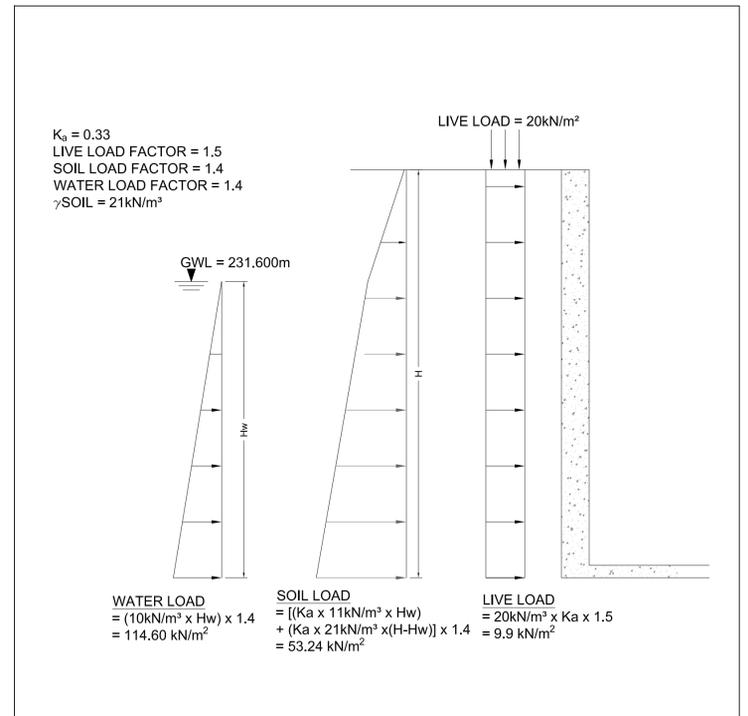
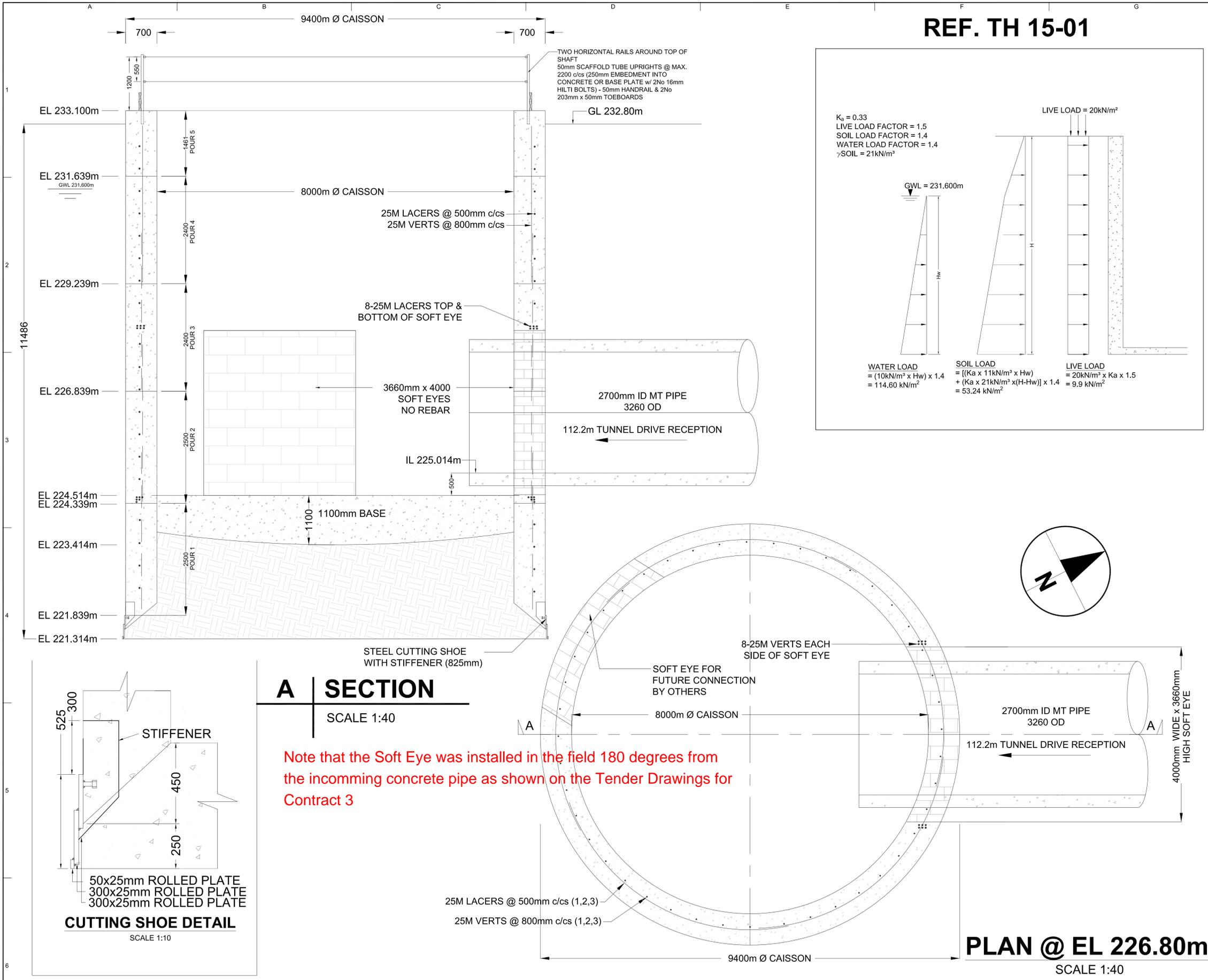


# REF. TH 15-01



**GENERAL NOTES:**

- G1. THIS DRAWING TO BE READ WITH ALL OTHER RELEVANT ENGINEERS DRAWINGS.
- G2. ANY QUERIES OR DISCREPANCIES ARE TO BE REFERRED TO THE ENGINEER IMMEDIATELY.
- G3. FIGURED DIMENSIONS ONLY TO BE READ.
- G4. ALL DIMENSIONS TO BE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- G5. ALL FUTURE SOFT EYE SIZES AND LOCATION TO BE CONFIRMED ON SITE.
- G6. THIS IS A SITE SPECIFIC DRAWING AS REQUESTED BY THE MANITOBA WORKPLACE SAFETY AND HEALTH ACT AND REGULATION (2014).

**CONSTRUCTION NOTES:**

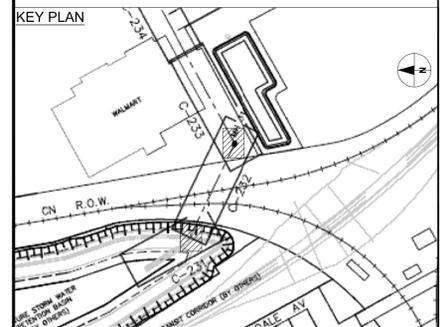
- C1. ALL CONCRETE MEMBERS ARE DESIGNED IN ACCORDANCE WITH CSA A23.3.04 "DESIGN OF CONCRETE STRUCTURES FOR BUILDINGS"
- C2. ALL REINFORCING STEEL SHALL CONFORM TO CAN/CSA G30.18-M92 (R2007), GRADES AS FOLLOWS:  
 - DEFORMED BARS - 400MPa
- C3. ALL LAP SPLICES TO BE TAKEN AS CLASS B TENSION LAPS.

TENSION LAP SPLICES	
BAR DIA	LAP SPLICE
10M	500mm
15M	700mm
20M	870mm
25M	1100mm
30M	1300mm

C4. CONCRETE GRADE & COVER TO REINFORCEMENT AS FOLLOWS:

Structure Component	Min. Cover	Concrete Grade	Shutter Type
Base	40mm	40 MPa	--
Walls	50mm	32 MPa	--

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REV	DATE	DESCRIPTION	DRN	CHK	APP	PM
1	17/05/11	FOR REVIEW	MF	JS	MS	
0	17/03/09	FOR REVIEW	MF	JS		

Client: CITY OF Winnipeg	Project No.: 748-2016
Project Title: Cockburn & Calrossie 2700 Trunk Sewer	Drw No.: WB-001
Drawing Title: MT Reception Shaft - MH 30 General Arrangement	Revision: 1 Scale: AS SHOWN