2) THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH AND SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE FOLLOWING BUILDING CODES AND APPLICABLE LOCAL BYLAWS:

a. ACI 350-06 ENVIRONMENTAL STRUCTURES
b. WHERE CONTRADICTORY REQUIREMENTS OCCUR, THE MOST STRINGENT SHALL APPLY.

3) DISCREPANCIES OR AMBIGUITIES ON THE DRAWINGS AND/OR SITE, WHICH AFFECT THE STRUCTURAL FRAMING, SHALL BE REPORTED TO THE ENGINEER.

4) THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND SERVICES PRIOR TO START OF CONSTRUCTION.

5) FOR OPENINGS IN SLABS, FLOOR, WALLS, ROOF, ETC REFER TO CIVIL AND PROCESS DRAWINGS.

6) LOCATION OF CONSTRUCTION JOINTS IS THE RESPONSIBILITY OF THE CONTRACTOR, BUT APPROVAL MUST BE GRANTED BY THE ENGINEER BEFORE PROCEEDING.

7) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL NECESSARY SHORING, BRACING AND FORMWORK. FORM WORK FOR NEW CONSTRUCTION SHALL BE BRIDGED OVER EXISTING SERVICES. PROCEDURE MUST BE APPROVED BY ENGINEER.

8) NOTIFY ENGINEER AT LEAST 48 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 MEET THE FOLLOWING REQUIREMENTS:

MIX TYPE	INTENDED APPLICATION	MINIMUM COMPRESSIVE STRENGTH (MPa)	CSA EXPOSURE CLASS	CONCRETE COVER TO REINFORCING STEEL (mm)
1	STRUCTURAL CONCRETE FOR MAIN FLOOR SLABS & WALLS	35	S-1 & C-1	50
2	STRUCTURAL CONCRETE FOR BASE SLAB	35	S-1 & C-1	50 TOP 75 BOTTOM
3	PILES	35	S-1	75
4	CURBS	35	S-1 & C-1	50

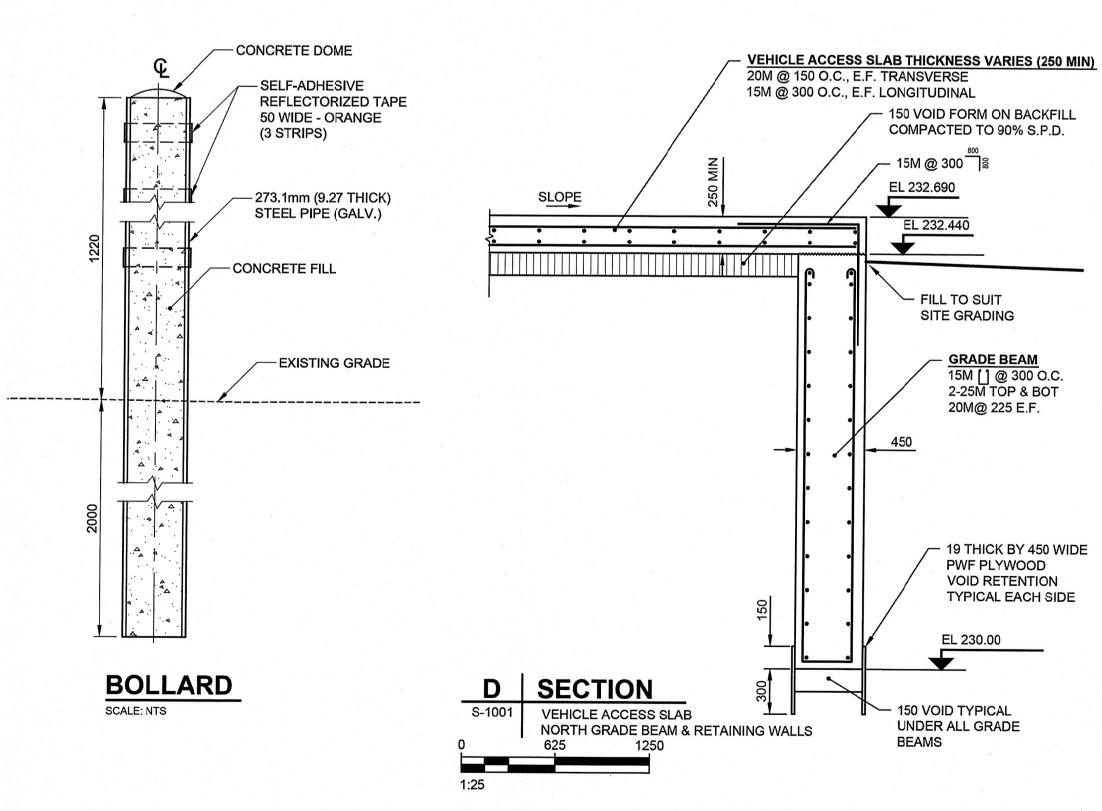
3) FORMWORK AND FALSEWORK SHALL BE COMPLETED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF MANITOBA. SUBMIT TO ENGINEER FOR REVIEW.

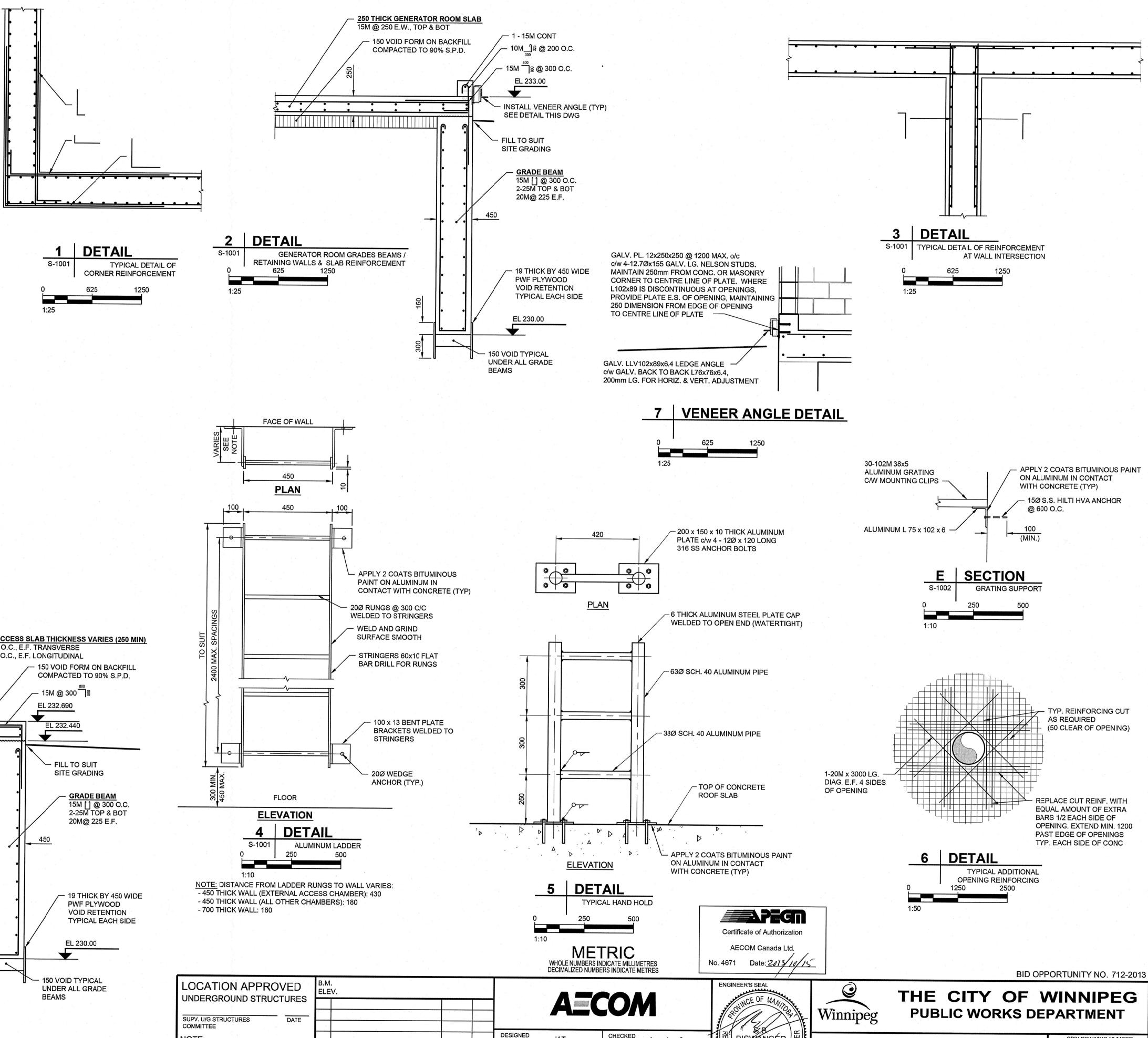
REINFORCING STEEL

1) REINFORCING STEEL: NEW DEFORMED BARS TO 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).





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AS NOTED

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DRAWN

HOR. SCALE:

VERTICAL:

DATE

13/10/15

DATE BY

LOCATION OF UNDERGROUND STRUCTURES AS

SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN

ISSUED FOR TENDER

THAT ALL EXISTING UTILITIES ARE SHOWN OR

THAT THE GIVEN LOCATIONS ARE EXACT.

LOCATION OF ALL SERVICES MUST BE

CONFIRMATION OF EXISTENCE AND EXACT

OBTAINED FROM THE INDIVIDUAL UTILITIES

BEFORE PROCEEDING WITH CONSTRUCTION.

BISWANGER

CONSULTANT DRAWING NO.

60273041-SHT-01-Con3-S-1004

PLESSIS ROAD TWINNING AND GRADE

SEPARATION AT CN REDDITT SUBDIVISION

CONTRACT 3

PUMPING STATION

SECTIONS AND DETAILS 4

1.1513

APPROVED

DATE

BY S

RELEASED FOR

CONSTRUCTION BY:

CITY DRAWING NUMBER

U238-2014-2334

4 OF

S-1004

AECOM REVIEW DRFT CHK $\zeta_{\!\scriptscriptstyle g}$

M-G-STANDARD,CTB

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