

- DESIGN IS IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA 1995 EDITION PLUS 1998 MANITOBA AMENDMENTS
- 3. CONFIRM THE LOCATIONS OF ALL SUBGRADE SERVICES PRIOR TO COMMENCING SITE WORK

- 6. STRUCTURAL DRAWINGS SHOW THE COMPLETED STRUCTURE. THEY DO NOT SHOW THE COMPONENTS WHICH MAY BE NECESSARY FOR SAFETY DURING CONSTRUCTION
- 7. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY IN AND ABOUT THE JOB SITE DURING CONSTRUCTION
- 8. IF ANY UNSOUND STRUCTURAL CONDITIONS ARE OBSERVED OR CREATED DURING CONSTRUCTION REPORT THEM IMMEDIATELY TO THE CONTRACT
- STRUCTURAL DRAWINGS MAY NOT SHOW ALL ELECTRICAL AND MECHANICAL OPENINGS. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ACTUAL LOCATIONS AND ELEVATIONS OF OPENINGS. NOTIFY THE CONTRACT ADMINISTRATOR OF ANY ADDITIONAL OPENING REQUIREMENTS

- 1. FRICTION PILES ARE DESIGNED FOR AN ASSUMED SKIN FRICTION OF 14.4 kPA
- 2. MECHANICALLY VIBRATE THE TOP 4.5 METRES OF THE PILES

- 1. TO BE READ IN CONJUNCTION WITH CW 2160 AND AS AMENDED IN ACCORDANCE WITH THESE NOTES
- 3. CONCRETE MIX SHALL BE IN ACCORDANCE WITH PERFORMANCE SPECIFICATION AND SHALL HAVE THE FOLLOWING PROPERTIES
- 4. CONCRETE COVER SHALL BE 75mm FOR PILES AND GRADE BEAMS. ALL OTHER CONCRETE SHALL BE 50mm
- FORMWORK, SHORING AND BRACING SHALL MEET DESIGN CODE AND CSA A23.1 REQUIREMENTS AND BE CONSTRUCTED ACCURATELY SO THAT RESULTANT FINISHED CONCRETE CONFORMS TO THE SHAPES, LINES AND DIMENSIONS INDICATED ON THE DRAWINGS

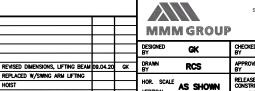
- 9. NOTIFY THE CONTRACT ADMINISTRATOR OR TESTING AGENCY 48 HOURS PRIOR TO PLACING CONCRETE

REINFORCING STEEL:

- 1. TO BE READ IN CONJUNCTION WITH CW 2160 AND AS AMENDED IN ACCORDANCE WITH THESE NOTES
- 3. PERFORM CONCRETE REINFORCING WORK IN ACCORDANCE WITH CSA A23.1
- 4. LAPS SHALL BE AT LEAST 40 BAR DIAMETERS. LOCATE REINFORCING SPLICES NOT INDICATED IN THE DRAWINGS AT POINTS OF MINIMUM STRESS

- 1. ALL STRUCTURAL STEEL SHAPES AND PLATES SHALL BE IN ACCORDANCE WITH CSA 040.21-M GRADE 300W, EXCEPT W, HP AND HSS SECTIONS WHICH SHALL BE GRADE 350W CLASS C
- 2. ALL CALIVANIZING SHALL COMPLY WITH THE LATEST EDITION OF CSA G164, WITH MINIMUM ZINC COATING OF 600g/m². TOUCH UPS TO BE MADE WITH GALVALLOY OR GAL—VIZ
- 3. ALL BOLTS TO BE ASTM A316 STAINLESS STEEL UNLESS OTHERWISE INDICATED









THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

REHABILITATION OF BOURNAIS WASTEWATER PUMPING STATION STRUCTURAL DETAILS

42026-S1 14 14 CITY DRAWING NUMBER 8759