

GENERAL NOTES:

1. CONTRACTOR MUST VISIT THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS.
2. VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
3. ALL DIMENSIONS AND ELEVATIONS ARE IN METRIC UNITS U.N.O.
4. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATIONS OF ALL EXISTING UTILITIES AND SERVICES (SHOWN OR NOT SHOWN ON DRAWINGS) IN THE FIELD WITHIN THE CONTRACT LIMIT. INFORMATION SHOWN ON PLANS IS APPROXIMATE ONLY. PERFORM EXPLORATORY TEST PITS AS REQUIRED TO UNCOVER ANY POTENTIAL INTERFERENCES.
5. UNDERGROUND WATER, SEWER, TELEPHONE AND POWER SERVICES MAY EXIST BENEATH THE SITE. EXERCISE CAUTION IN EXCAVATION AND PROTECT FACILITIES FROM DAMAGE. CONTRACTOR TO REPAIR DAMAGES AT NO COST TO THE OWNER. WORK SHALL BE CARRIED OUT TO THE SATISFACTION OF THESE AUTHORITIES. CONTACT UTILITIES BEFORE EXCAVATING.
6. THE WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, LATEST EDITION AND APPLICABLE STANDARDS, UNLESS NOTED OTHERWISE ON THE DRAWINGS OR IN THE SPECIFICATIONS.
7. PERFORM WORK AND COMPLY WITH ALL FEDERAL, PROVINCIAL AND MUNICIPAL BY-LAWS AND REGULATIONS.
8. COMPLY WITH ALL ENVIRONMENTAL REGULATIONS & PROVIDE ALL NECESSARY ENVIRONMENTAL PROTECTION INCLUDING SILT FENCES, SEDIMENT TRAPS, DUST CONTROL, ETC.
9. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN PEDESTRIAN AND VEHICULAR TRAFFIC AT ALL TIMES. THE FACILITY WILL BE OPERATIONAL DURING THIS CONSTRUCTION. PROVIDE SIGNS, BARRICADES, FLAGGERS AS PER APPLICABLE REGULATIONS AND TO ENSURE SAFETY OF USERS.
10. REPAIR & REINSTATE DISTURBED ASPHALT PAVEMENT, GRASSED & LANDSCAPED AREAS, SIGNS, RETAINING WALLS, ETC., DAMAGED BY WORK OF CONTRACT INCLUDING ALL AREAS IMPACTED BEYOND LIMIT OF CONTRACT. TOPSOIL & SEED ALL GRASSED SURFACES OR AS INDICATED ON THE DRAWINGS.

CONCRETE

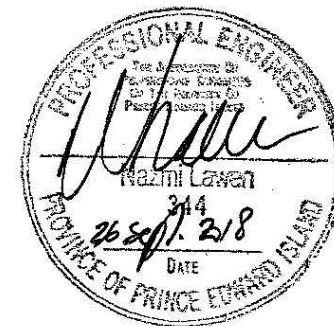
1. ALL CONCRETE WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH CSA-A23.1 AND NBCC.
2. ALL CONCRETE MATERIAL SHALL CONFORM TO:
 - a. CEMENT: CAN/CSA-A5-TYPE 10
 - d. AGGREGATES: CSA A23.1
 - b. AIR ENTRAINMENT: CSA CAN3-A266.1
 - c. CHEMICAL ADMIXTURES: CSA CAN3-266.2
 - d. DESIGN MIX: CSA A23.1
3. MIX DESIGN: TYPE 10 PORTLAND CEMENT.
4. INTERIOR SLABS:
 - a. COMPRESSIVE STRENGTH (28D): 25MPa (3600psi)
 - b. CLASS OF EXPOSURE: F-2
 - c. NOMINAL AGGREGATE SIZE: 20mm (3/4")
 - d. SLUMP: 80mm (3-1/4") ±20mm (3/4")
 - e. AIR CONTENT: 4-7%
 - f. WATER CEMENT RATIO: 0.5 MAX
6. EXTERIOR SLABS:
 - a. COMPRESSIVE STRENGTH (28D): 35MPa (5000psi)
 - b. CLASS OF EXPOSURE: C-2
 - c. NOMINAL AGGREGATE SIZE: 20mm (3/4")
 - d. SLUMP: 80mm (3-1/4") ±20mm (3/4")
 - e. AIR CONTENT: 5-8%
 - f. WATER CEMENT RATIO: 0.45 MAX
7. USE OF CALCIUM CHLORIDE IS NOT PERMITTED.
8. NO CONCRETE SHALL BE POURED WITHOUT THE PRIOR KNOWLEDGE AND APPROVAL OF CONSULTANT.
9. ALL CONCRETE SHALL BE TESTED, TESTING SHALL CONFORM TO CSA A23.2. RECORD TESTS FOR SLUMP, AIR CONTENT AND COMPRESSIVE STRENGTH.
10. APPLY CURING COMPOUND OR WET CURE SLAB IMMEDIATELY AFTER COMPLETION OF SLAB FINISHING. CONCRETE CURING AND PROTECTION SHALL CONFORM TO CSA A23.1.
11. COLD WEATHER CONCRETE SHALL BE PLACED AND PROTECTED IN ACCORDANCE WITH THE REQUIREMENTS OF CSA A23.1 AND TO THE REQUIREMENTS OF ACI-306R. PROVIDE HEATED ENCLOSURES AND/OR INSULATED TARPS AS REQUIRED TO MAINTAIN MINIMUM 10°C CONCRETE SURFACE TEMPERATURE FOR A PERIOD OF 5 DAYS FOLLOWING CONCRETE PLACEMENT. PROVIDE CONTROLLED COOL DOWN PERIOD TO PREVENT SURFACE CRACKING AT END OF PROTECTION PERIOD. ENSURE THAT NO CONCRETE IS PLACED ON OR AGAINST FROZEN SUBGRADE, FORMWORK, OR REINFORCING STEEL.
8. PROVIDE CONTROL JOINTS WITH JOINT FILLER. STANDARD OF ACCEPTANCE: MASTERFILL 300I, OR APPROVED EQUAL. INSTALL TO MANUFACTURERS INSTRUCTIONS.

CONCRETE (CONTD)

8. PROVIDE CONTROL JOINTS WITH JOINT FILLER. STANDARD OF ACCEPTANCE: MASTERFILL 300I, OR APPROVED EQUAL. INSTALL TO MANUFACTURERS INSTRUCTIONS.
3. PROVIDE 12mm (1/2") PREMOULDED JOINT FILLER BETWEEN SIDEWALKS AND CURBS UNO.
5. CONCRETE SLABS TO HAVE A BROOM FINISH SIMILAR TO EXISTING CONCRETE SLABS/SIDEWALKS AND AS PER OWNER/CONSULTANTS REQUIREMENT.

REINFORCING STEEL NOTES:

1. ALL REINFORCING STEEL SHALL BE NEW BILLET AND SHALL CONFORM TO CSA G30.18, WWM REINFORCING TO CSA G30.5. MINIMUM REINFORCING STEEL YIELD STRENGTH SHALL BE 400 MPa.
2. REINFORCING STEEL SHALL BE DETAILED, CUT, BENT, FABRICATED AND PLACED IN ACCORDANCE WITH REINFORCING MANUAL OF STANDARD PRACTICE (REINFORCING STEEL INSTITUTE OF CANADA); CAN3-A23.3 AND CSA-A23.1.
3. THE GENERAL CONTRACTOR SHALL INSPECT ALL THE REINFORCING STEEL BEFORE PLACEMENT OF THE CONCRETE.
4. THE GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER 24 HOURS PRIOR TO THE PLACEMENT OF THE CONCRETE.
5. THE POSITION OF ALL REINFORCING STEEL SHALL BE MAINTAINED DURING THE POURING OPERATION BY DIRECT SUPERVISION OF THE REINFORCING STEEL CONTRACTOR.
6. CONCRETE COVER (UNO):
 - a. POURED AGAINST THE GROUND - 75mm (3")
 - b. FORMED SURFACE AGAINST GROUND - 50mm (2")
 - c. FORMED SURFACE EXPOSED TO WEATHER - 50mm (2")
11. USE SPACERS, CHAIRS, TEMPLATES AND DIRECT SUPERVISION OF THE REINFORCING STEEL CONTRACTOR TO ACCURATELY LOCATE & SUPPORT REINFORCING STEEL & SECURE IN POSITION TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT.



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Agriculture Canada
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PROJECT TITLE
Sidewalk Repairs

SHEET TITLE
NOTES

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