

STRUCTURAL NOTES

1. General Construction Notes
- 1.1. Project use: Exterior splash pad

1.2. Pad designed in accordance with the Manitoba Building Code 2024.

1.3. The contractor is required to review the complete set of contract documents and co-ordinate all trades. The work must be a complete, functioning facility, as explicitly & implicitly described by the contract documents.

1.4. The contractor is to verify all dimensions prior to commencing with the work. Contractor is to notify engineer of any discrepancy or deviation in the existing condition prior to commencing with the work for further instructions.

1.5. Drawings are not to be scaled, but must be used to determine the general layout. All dimension discrepancies are to be reported to the engineer.
2. Concrete General Notes
- 2.1. The NBCC 2020 and all pertinent recommendations of CSA standard A23.1 and A23.3 shall be the basis for the design and construction of all work on this project.

2.2. All concrete, unless otherwise stated, shall be designed as follows:

|                               |                   |
|-------------------------------|-------------------|
| unit:                         | All concrete:     |
| A) min. Compressive strength: | 25 MPa at 28 days |
| B) Aggregate size (maximum):  | ¾"                |
| C) Air entrainment:           | 4 to 7%           |
| E) Exposure Class:            | F-2               |

2.3. Design based on the following conditions:

• Soil bearing pressure of 2000 psf for a spread footing on firm clay, dense compact gravel, sand or silt.

• All cement shall be type GU or GUB.

• Owner or contractor shall notify engineer if local conditions differ from those listed above.

2.4. Concrete cover for reinforcing steel to be as follows:

|                                                                       |              |
|-----------------------------------------------------------------------|--------------|
| Unit:                                                                 | Measurement: |
| A) Concrete deposited against soil:                                   | 3"           |
| B) Concrete exposed to weather, water or soil after removal of forms: | 1½"          |
| C) Slabs and walls, except as noted in (a) and (b):                   | ¾"           |

2.5. All reinforcing steel shall be high bond deformed bars conforming to CSA G30.18 grade 400 for 10M, 15M or larger.

2.6. All bending details, dimensions, anchorage, cut-off lengths, bar supports, spacers, and location of reinforcing splices shall be in accordance with CSA A23.3 latest edition, unless otherwise shown.
3. Subgrade and gravel pad preparation notes
- 3.1. Excavation depth to be confirmed on site depending on required excavation extent.

3.2. Extend excavation beyond footprint of the slab at the perimeter of the splash pad; a minimum horizontal distance equal to the depth of excavation.

3.3. The subgrade should consist of firm to very stiff native clay, dense compact gravel, sand or silt.

3.4. Proof roll existing subgrade to identify any soft areas using heavy sheeps foot or smooth faced roller in non-vibratory mode. If any soft areas are encountered, they are to be excavated to a minimum depth of 12" or until all soft material is removed. Replace with suitable fill. Suitable fill shall be GBC-I or GBC-II, A-base granular or high plastic in-situ clay (no organics) compacted to 98% standard proctor density placed in maximum 6" lifts.

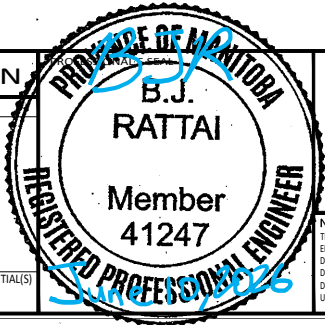
3.5. Top 12" of existing subgrade shall be uniformly compacted to 98% standard proctor density.

3.6. As required, place granular base course GBC-I or GBC-II in maximum 6" lift up to the underside of the design slab elevation. Lift to be compacted to 100% standard proctor density. All sloped surfaces to be shaped at a minimum 1:1 slope.

ENGINEERS  
GEOSCIENTISTS  
MANITOBA

Certificate of Authorization  
DGH Engineering Ltd.  
o/a Parsus Engineering  
No. 540

| ISSUED FOR CONSTRUCTION           |            |                            |            |
|-----------------------------------|------------|----------------------------|------------|
| ISSUE (AND REVISION)              |            |                            |            |
| 04                                | 2026-06-09 | ISSUED FOR CONSTRUCTION    | JF         |
| 03                                | 2026-05-09 | E-SERIES ISSUED FOR REVIEW | JD         |
| 02                                | 2026-05-08 | ISSUED FOR REVIEW          | JF         |
| 01                                | 2026-04-02 | S-SERIES ISSUED FOR REVIEW | FK         |
| NO.(REV)                          | DATE       | DESCRIPTION                | INITIAL(S) |
| PRINTED DATE: 6/9/2026 3:51:22 PM |            |                            |            |



NOTE TO CONTRACTOR:  
THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO CONSULTANT IN WRITING. DO NOT RELY ON SCALED DIMENSIONS. WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTACT THE CONSULTANT FOR CLARIFICATIONS IF NECESSARY. THIS DRAWING SHALL NOT BE USED FOR BUILDING PERMIT OR CONSTRUCTION PURPOSES UNLESS IT IS SEALED AND SIGNED BY THE CONSULTANT RESPONSIBLE FOR THE WORK.

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|                                       |                   |                   |                                                                                         |                  |
|---------------------------------------|-------------------|-------------------|-----------------------------------------------------------------------------------------|------------------|
| CLIENT<br>DWAsitework<br>WINNIPEG MB. |                   |                   | PROJECT TITLE<br>WADING POOL CONVERSION AT MICHAELLE JEAN PARK/NORQUAY COMMUNITY CENTRE |                  |
|                                       |                   |                   | PROJECT LOCATION<br>65 GRANVILLE ST. WINNIPEG, MB.                                      |                  |
|                                       |                   |                   | PROJECT NUMBER: 4289-001                                                                |                  |
| DESIGNED<br>NSB                       | DRAWN<br>FK       | COORDINATOR<br>JC | STRUCTURAL<br>SPECIFICATIONS                                                            | SO<br>REV. ◊ R00 |
| DATE<br>MAR/2026                      | SCALE<br>AS NOTED | SSM SUBSET        |                                                                                         |                  |