

CIVIL SPECIFICATIONS

1. Reference Standards
- 1.1. All construction shall be in accordance with the latest revision of City of Winnipeg Standard Construction Specifications, unless otherwise noted.
2. General Requirements
- 2.1. It is the intent of these drawings to provide for a complete and fully graded site in accordance with all applicable construction standards. Notwithstanding that the drawings may not cover each and every item required for the complete of the grading, the contractor shall supply all labor, materials, tools, equipment, and transportation necessary for the complete grading of the site.
- 2.2. The Contractor is to ensure that delivery time of all fill does not cause a delay in the scheduling of this project. Notify the engineer if any problems arise.
- 2.3. Employ only tradespeople with proper licenses for the work.
- 2.4. Drawings are diagrammatic and approximate to scale. The contract documents establish scope, materials and quality and are not a comprehensive bill of materials, or detailed installation instructions.
- 2.5. Co-operate with other sections and trade disciplines as required for the completion of the total work. These drawings are to be read in conjunction with architecture, structural, electrical, and landscaping drawings. Report any discrepancies to engineer.
- 2.6. When connecting to existing systems, the contractor is to immediately notify engineer of any deficiencies with the existing systems or any conditions with respect to the existing system that would impact the operation of the newly installed services or systems.
3. General Site Information
- 3.1. The "North" orientation refers to nominal North rather than true or magnetic North.
- 3.2. This drawing has been prepared based on existing ground elevations information provided by HTFC Planning & Design, DGH Engineering has not verified the accuracy and/or completeness of this information and is not responsible for any omissions that may be incorporated as a result of information provided by others, DGH Engineering makes no warranty of the accuracy or completeness of the provided ground elevation information.
- 3.3. Any dimensions that show the location of existing features are approximate only, and are to be confirmed before construction start as required by a certified Manitoba Land Surveyor.
- 3.4. All distances are in meters and may be converted to feet by multiplying by 3.28084.
4. Equals for Equipment
- 4.1. Equals for all equipment and fixtures will be considered, with engineer's approval.
- 4.2. Submit request for equals to engineer with the following information
- 4.2.1. Name of item on drawings for which the equal is being requested
- 4.2.2. Make and Model of equal
5. Shop Drawings
- 5.1. Submit 2 sets of shop drawings for review for the following items:
- 5.1.1. Underground Storage Chambers,
- 5.1.2. Pumps and Associated Controllers,
- 5.1.3. Septic Tanks,
- 5.1.4. Holding Tanks
- 5.2. The Engineer's review does not relieve the contractor from responsibility to provide and install materials and equipment in accordance with the design intent of the drawings. All dimensions and suitability for site conditions are the responsibility of the contractor. All electrical characteristics and requirements must be coordinated with the electrical contractor.
- 5.3. Equipment is not to be purchased prior to shop drawing approval.
6. Permits, Certificates and Fees
- 6.1. It is the contractor's responsibility to obtain all required permits and pay all associated fees.

7. Project Record Drawings
- 7.1. At the conclusion of the job, the contractor is to submit to the engineer a marked-up set of drawings including any changes to the initial design including revisions, site instructions, and accepted equals.
8. Maintenance Manuals
- 8.1. Provide building owner with operation and maintenance manual for all equipment installed and a set of the record drawings.
9. Site Inspections
- 9.1. Neither DGH Engineering Ltd. Nor the Engineer who has sealed these drawings have been engaged for site inspections. Site inspections are to be provided by a qualified individual.
10. Contractor Responsibilities
- 10.1. The General Contractor and all Sub-Contractors shall obtain all permits to carry out the work and shall strictly adhere to the conditions of each permit.
- 10.2. The Contractor shall verify and be responsible for all dimensions and grades, any errors and/or omissions must be reported to an Engineer at DGH Engineering Ltd. Any claims resulting from the Contractor's failure to do so shall be at the Contractor's expense.
- 10.3. The Contractor is to verify the depth of utilities prior to construction. The location of underground structures as shown are based on the best information available, but no guarantee is given that all existing utilities are shown or that the given locations are exact. Confirmation of existence and exact location of all services must be obtained from the individual utilities before proceeding with construction.
- 10.4. If the Contractor chooses to use powered equipment for excavation, the contractor is to notify all utility companies of the proposed location of work. In addition, the contractor is to take precaution to avoid damage to all utilities in the area of work.
- 10.5. The Contractor is to verify the inverts and type of all existing buried utilities prior to construction and notify the Engineer of any discrepancies
- 10.6. The Contractor shall maintain access to all establishments at all times.
- 10.7. The Contractor is to ensure the integrity of existing drains are maintained at all times.
- 10.8. Variations and modifications to the drawings provided shall not be carried out without written permission from the sealing Engineer.
- 10.9. The Contractor shall clean and inspect all newly installed LDS sewers prior to final project turnover.
11. Site Conditions
- 11.1. All unsuitable material, topsoil, silt and organics are to be removed from the subgrade.
- 11.2. Do not use topsoil, silt, organics or other unsuitable material for construction of subgrade.
- 11.3. All topsoil is to be removed from the building footprint and used for re-grading or stock piled on site.
- 11.4. All service piping is to be coordinated with all structural pile locations for sufficient access and maintenance. The underground service contractor is to provide a minimum clearance of 500 mm from the service pipe to the outside diameter of the structural pile.
12. Trenching and Backfilling
- 12.1. All trenches bedding for service piping shall be Type 2 or Type 3.
- 12.2. All backfill within a pavement structure shall be Class 2 or Class 3.
- 12.3. All backfill within 2.0 meters of a pavement structure shall be Class 2.
- 12.4. All backfill within a landscaped area shall be Class 4.
13. Service Piping Materials
- 13.1. All metal water main piping shall be Copper Pipe – type K soft, conforming to current AWWA Standard C-800. If no specification has been provided in the current revision of the municipal standards, Cerro Copper Products, Type K, is acceptable.
- 13.2. All polymer water main piping shall be PVC C-900 unless noted otherwise within the approved municipal standard. If no specifications have been provided in the current revision of the municipal standards, Ipex Inc, Blue Brute, is acceptable.
- 13.3. All waste water piping shall be PVC SDR-35 unless noted otherwise within the approved municipal standard. If no specifications have been provided in the current revision of the municipal standards, Ipex Inc, Ring-Tite/ Enviro-Tite/ Ecolo-Tube is acceptable.
14. Finished Site
- 14.1. All surfaces are to be restored to equal or better conditions.
- 14.2. All new finished grading is to be blended to match existing grade.
- 14.3. Grading along neighboring property lines are to remain as existing unless written approval has been provided.

**ENGINEERS
GEOSCIENTISTS
MANITOBA**

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

ISSUED FOR CONSTRUCTION

ISSUE (AND REVISION)

NO (REV)	DATE	DESCRIPTION	INITIAL(S)
04	2026-06-09	ISSUED FOR CONSTRUCTION	JF
03	2026-05-09	ISSUED FOR REVIEW	JD
02	2026-05-08	ISSUED FOR REVIEW	JF
01	2026-04-02	ISSUED FOR REVIEW	FK

PRINTED DATE: 6/9/2026 2:14:17 PM



NOTE TO CONTRACTOR:
THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL DIMENSIONS 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 DWAsitework WINNIPEG MB.			PROJECT TITLE WADING POOL CONVERSION AT MICHAELLE JEAN PARK/NORQUAY COMMUNITY CENTRE PROJECT LOCATION 65 GRANVILLE ST. WINNIPEG, MB. PROJECT NUMBER: 4289-001	
DESIGNED JC	DRAWN JF	COORDINATOR JC	CIVIL SPECIFICATIONS	
DATE MAR/2026	SCALE AS NOTED	SSM SUBSET	CO REV. 000	