



**re:      Geotechnical Review of Grading Plans**  
**Proposed Residential Development – Trails Edge – Stage 3**  
**298 Axis way – Ottawa, Ontario**

**to:      Minto Communities Inc. – Kiara Gonzales – [kiara.gonzales@minto.com](mailto:kiara.gonzales@minto.com)**

**date:    November 10, 2025**

**file:    PG2392-MEMO.02**

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Further to your request and authorization, Paterson Group (Paterson) has prepared the current memorandum to document our review of the available grading plans, and to provide associated recommendations from a geotechnical perspective for the aforementioned project. The present memorandum should be read in conjunction with Paterson Group Report PG2392-3 Revision 2 dated November 10, 2025. Relevant design information is presented in Table 1 – Summary of Design Details for the subject blocks.

The relevant design and inspection information presented in Table 1 – Summary of Design Details includes the following:

- ☐ Block number
- ☐ Unit number
- ☐ Original ground surface elevation based on available ground surface elevations
- ☐ Proposed finished grade elevations
- ☐ Proposed underside of footing (USF) elevation
- ☐ Proposed finished floor elevation (FFE)
- ☐ Bearing resistance values at SLS
- ☐ Seismic Site Designation
- ☐ Maximum allowable grade raise
- ☐ Estimated engineered fill thickness required below footings
- ☐ Lightweight Fill (LWF) recommendations
- ☐ Frost protection recommendations

## **Grading Plan Review**

Paterson reviewed the following grading plan prepared by ATREL Engineering Ltd for the aforementioned residential development:

- ☐ Grading Plan - Project No. 240801 - Drawing No. 240801-GR1 - Received November 5, 2025



Based on our review of the above-noted drawing, a number of blocks/units of the subject site exceeded our permissible grade raise recommendations provided in the above-noted geotechnical report. Where significant grade raise exceedences have occurred, lightweight fill (LWF), such as expanded polystyrene (EPS) geofoam blocks are recommended for specific areas adjacent to the subject buildings. It should be noted that the proposed roadway grades throughout the subject site were found to be within the recommended permissible grade raise restrictions for roadways provided in the aforementioned geotechnical investigation report. Further, sufficient soil cover has been provided to perimeter and exterior pad footings to mitigate the migration of frost within the founding subsoils.

## Bearing Resistance Values for Foundation Design

Footings placed on an undisturbed, soil bearing surface can be designed using the following bearing resistance values provided in Table 2 below.

| Table 2 - Bearing Resistance Values                                                                                                                                                                                                                                                                                                                                                          |                                       |                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------|
| Bearing Surface                                                                                                                                                                                                                                                                                                                                                                              | Bearing Resistance Value at SLS (kPa) | Factored Bearing Resistance Value at ULS (kPa) |
| Stiff Brown Silty Clay                                                                                                                                                                                                                                                                                                                                                                       | 150                                   | 225                                            |
| Firm Grey Silty Clay                                                                                                                                                                                                                                                                                                                                                                         | 75                                    | 110                                            |
| <b>Note:</b> <ul style="list-style-type: none"><li>- Strip and pad footings, up to 3 and 6 m wide, respectively, can be designed using the bearing resistance values provided for an undisturbed, silty clay bearing surface.</li><li>- Bearing resistance values for footing design should be confirmed on a per lot basis by the Paterson personnel at the time of construction.</li></ul> |                                       |                                                |

An undisturbed soil bearing surface consists of a surface from which all topsoil and deleterious materials, such as loose, frozen or disturbed soil, whether in situ or not, have been removed, in the dry, prior to the placement of concrete footings. A geotechnical resistance factor of 0.5 was applied to the above noted bearing resistance values at ULS. The bearing resistance value at SLS, provided above, will be subjected to potential post-construction total and differential settlements of 25 and 20 mm, respectively.

## Minor Adjustments to Lot Grading and Design Details During Construction Phase

It is anticipated that there may be minor discrepancies between the latest reviewed grading plan and the permit plot plans that will be prepared for some of the proposed blocks during the final permitting and construction phase of the proposed structures.



The discrepancies are anticipated to arise due to minor changes required by the building designer to accommodate finishes such as risers and entrances to the design grading. In our experience, minor adjustments are required to the design USF elevations and occasionally finished grades surrounding the structure.

Based on Paterson's review of site-specific conditions, provided all of the following criteria are met if further adjustments to the grading plan details are made on lot/block permit plot plans (i.e., changes made to plot plans, not to the current grading plans), additional review by Paterson to ensure the permit plot plans are satisfactory from a geotechnical perspective is not considered required during the construction phase:

- ☐ Plot plan USF is not more or less than 10 cm from the design USF elevation and Paterson field personnel prepared memorandums documenting their field review of the bearing medium and bearing surfaces for the structure.
- ☐ Plot plan finished grade does not fluctuate more than 10 cm from the design finished grade.
- ☐ Plot plan finished grade remains more than 30 cm below the recommended permissible grade raise elevation.
- ☐ There is not an existing recommendation to consider lightweight fill around the perimeter and/or in the garage/front porches of the building (i.e., if Table 1 provides a recommendation for LWF, any adjustment to grading and/or founding elevations must be reviewed by Paterson if they do not conform to those noted in Table 1).
- ☐ Sufficient soil cover remains to provide protection against the migration of frost to the soil subgrade (i.e., 1.5 m below finished grade for heated structures).
- ☐ If one of these conditions is not met, it is recommended that Paterson be contacted to review the permit plot plan during the construction phase for conformance to our grading requirements from a geotechnical perspective at that time.

Should the revised founding depth be located within 1.5 m from finished grade around the building perimeter, it is recommended that Paterson review and advise on frost protection measures, such as foundation insulation, on a lot-by-lot basis when this condition exists.

Any updates to the current grading plans should be reviewed and advised upon by Paterson. However, once approved and adjustments are made on plot plans, the adjusted plot plans may not require additional review to verify adequacy to the proposed grading matrix from a geotechnical perspective provided adjustments are within the ranges noted herein. Alternatively, permit plot plans may be circulated to Paterson prior to submission to approvals to ensure the grading and design values are consistent with our recommendations for the proposed residential development. It should be noted that this portion of the memorandum is only considered applicable to the subject site.



We trust that this information is satisfactory for your immediate requirements.

Best Regards,

**Paterson Group Inc.**

Nicholas F. R. Versolato, CPI, B.Eng

Drew Petahtegoose P.Eng.



**Attachments:**

- ☐ Table 1 – Summary of Design Details
- ☐ Figure 1 – EPS Block Installation Around Residential Buildings



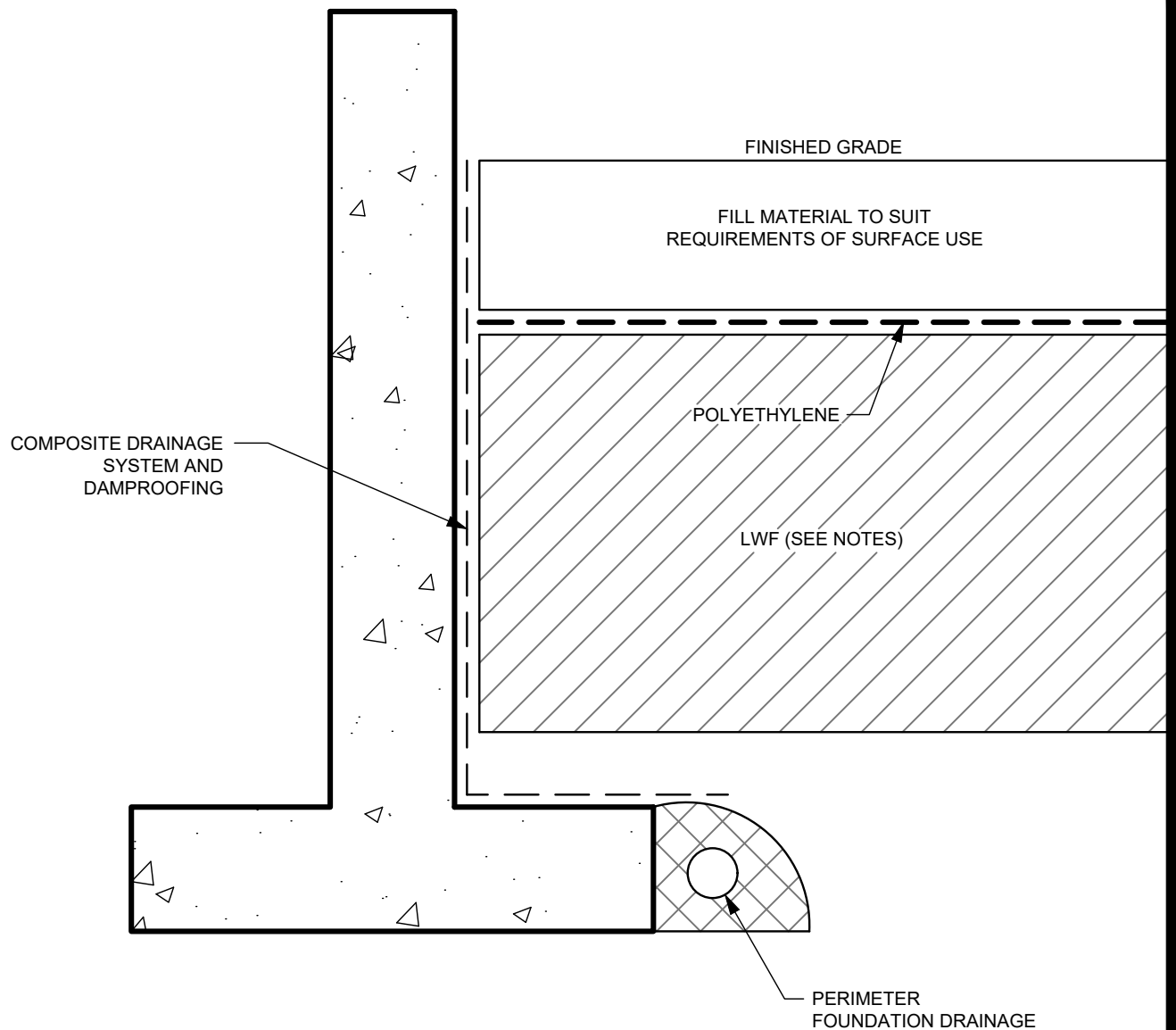
| Table 1 - Summary of Design Details                    |                  |                   |                   |                  |                  |                                |                          |                                 |                          |                         |                                     |                                    |                                            |                                           |                     |                    |                                               |                        |                                                                                                                                                                                                      |
|--------------------------------------------------------|------------------|-------------------|-------------------|------------------|------------------|--------------------------------|--------------------------|---------------------------------|--------------------------|-------------------------|-------------------------------------|------------------------------------|--------------------------------------------|-------------------------------------------|---------------------|--------------------|-----------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PG2392 - Minto Communities - Trails Edge - Renaud Road |                  |                   |                   |                  |                  |                                |                          |                                 |                          |                         |                                     |                                    |                                            |                                           |                     |                    |                                               |                        |                                                                                                                                                                                                      |
| Block Number                                           | Unit Number      | Original GS Front | Proposed GS Front | Original GS Rear | Proposed GS Rear | Underside of Footing Elevation | Finished Floor Elevation | Bearing Resistance Value at SLS | Seismic Site Designation | Permissible Grade Raise | Above Permissible Grade Raise Front | Above Permissible Grade Raise Rear | Engineered Fill Required Below USF - Front | Engineered Fill Required Below USF - Rear | Frost Check - Front | Frost Check - Rear | Minimum Thickness LWF in Front Porch & Garage | Frost Protection Notes | General Notes                                                                                                                                                                                        |
|                                                        |                  | (m)               | (m)               | (m)              | (m)              | (m)                            | (m)                      | (kPa)                           |                          | (m)                     | (m)                                 | (m)                                | (m)                                        | (m)                                       | (m)                 | (m)                | (m)                                           |                        |                                                                                                                                                                                                      |
| BLOCK 1                                                | MT-101 to MT-102 | 86.96             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.90                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-103 to MT-104 | 86.96             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.90                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-105 to MT-106 | 86.96             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.90                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-107 to MT-108 | 86.96             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.90                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-109 to MT-110 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.90                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-111 to MT-112 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.90                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-113 to MT-114 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.90                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-115 to MT-116 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.90                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-117 to MT-118 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.90                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-119 to MT-120 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.90                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
| BLOCK 2                                                | MT-201 to MT-202 | 87.00             | 88.65             | n/a              | n/a              | 86.76                          | 90.09                    | 150                             | XE                       | 1.50                    | 0.15                                | n/a                                | 0.06                                       | n/a                                       | 1.89                | n/a                | 0.5                                           | n/a                    | A minimum of 0.3 m thick LWF along front extending 2.4 m beyond building face, and a minimum of 0.3 m thick LWF along building side extending 1.2 m. A minimum of 0.5 m thick LWF below front porch. |
|                                                        | MT-203 to MT-204 | 87.00             | 88.65             | n/a              | n/a              | 86.76                          | 90.09                    | 150                             | XE                       | 1.50                    | 0.15                                | n/a                                | 0.06                                       | n/a                                       | 1.89                | n/a                | 0.5                                           | n/a                    | A minimum of 0.3 m thick LWF along front extending 2.4 m beyond building face. A minimum of 0.5 m thick LWF below front porch.                                                                       |
|                                                        | MT-205 to MT-206 | 87.00             | 88.65             | n/a              | n/a              | 86.76                          | 90.09                    | 150                             | XE                       | 1.50                    | 0.15                                | n/a                                | 0.06                                       | n/a                                       | 1.89                | n/a                | 0.5                                           | n/a                    | A minimum of 0.3 m thick LWF along front extending 2.4 m beyond building face. A minimum of 0.5 m thick LWF below front porch.                                                                       |
|                                                        | MT-207 to MT-208 | 87.00             | 88.65             | n/a              | n/a              | 86.76                          | 90.09                    | 150                             | XE                       | 1.50                    | 0.15                                | n/a                                | 0.06                                       | n/a                                       | 1.89                | n/a                | 0.5                                           | n/a                    | A minimum of 0.3 m thick LWF along front extending 2.4 m beyond building face. A minimum of 0.5 m thick LWF below front porch.                                                                       |
|                                                        | MT-209 to MT-210 | 87.00             | 88.65             | n/a              | n/a              | 86.76                          | 90.09                    | 150                             | XE                       | 1.50                    | 0.15                                | n/a                                | 0.06                                       | n/a                                       | 1.89                | n/a                | 0.5                                           | n/a                    | A minimum of 0.3 m thick LWF along front extending 2.4 m beyond building face. A minimum of 0.5 m thick LWF below front porch.                                                                       |
|                                                        | MT-211 to MT-212 | 87.00             | 88.65             | n/a              | n/a              | 86.76                          | 90.09                    | 150                             | XE                       | 1.50                    | 0.15                                | n/a                                | 0.06                                       | n/a                                       | 1.89                | n/a                | 0.5                                           | n/a                    | A minimum of 0.3 m thick LWF along front extending 2.4 m beyond building face, and a minimum of 0.3 m thick LWF along building side extending 1.2 m. A minimum of 0.5 m thick LWF below front porch. |
|                                                        | MT-213 to MT-214 | 87.25             | 88.65             | n/a              | n/a              | 86.76                          | 90.09                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-215 to MT-216 | 87.25             | 88.65             | n/a              | n/a              | 86.76                          | 90.09                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-217 to MT-218 | 87.25             | 88.65             | n/a              | n/a              | 86.76                          | 90.09                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-219 to MT-220 | 87.25             | 88.65             | n/a              | n/a              | 86.76                          | 90.09                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-221 to MT-222 | 87.25             | 88.65             | n/a              | n/a              | 86.76                          | 90.09                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-223 to MT-224 | 87.25             | 88.65             | n/a              | n/a              | 86.76                          | 90.09                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
| BLOCK 3                                                | MT-301 to MT-302 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-303 to MT-304 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-305 to MT-306 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-307 to MT-308 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-309 to MT-310 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-311 to MT-312 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-313 to MT-314 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-315 to MT-316 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-317 to MT-318 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-319 to MT-320 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
| BLOCK 4                                                | MT-401 to MT-402 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-403 to MT-404 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-405 to MT-406 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-407 to MT-408 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-409 to MT-410 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-411 to MT-412 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-413 to MT-414 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
| BLOCK 5                                                | MT-415 to MT-416 | 87.00             | 88.30             | n/a              | n/a              | 86.41                          | 89.74                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-501 to MT-502 | 87.00             | 88.60             | n/a              | n/a              | 86.71                          | 90.04                    | 150                             | XE                       | 1.50                    | 0.10                                | n/a                                | 0.01                                       | n/a                                       | 1.89                | n/a                | 0.5                                           | n/a                    | A minimum of 0.3 m thick LWF along front extending 2.4 m beyond building face. A minimum of 0.5 m thick LWF below front porch.                                                                       |
|                                                        | MT-503 to MT-504 | 87.00             | 88.60             | n/a              | n/a              | 86.71                          | 90.04                    | 150                             | XE                       | 1.50                    | 0.10                                | n/a                                | 0.01                                       | n/a                                       | 1.89                | n/a                | 0.5                                           | n/a                    | A minimum of 0.3 m thick LWF along front extending 2.4 m beyond building face. A minimum of 0.5 m thick LWF below front porch.                                                                       |
|                                                        | MT-505 to MT-506 | 87.25             | 88.60             | n/a              | n/a              | 86.71                          | 90.04                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-507 to MT-508 | 87.25             | 88.60             | n/a              | n/a              | 86.71                          | 90.04                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-509 to MT-510 | 87.01             | 88.60             | n/a              | n/a              | 86.71                          | 90.04                    | 150                             | XE                       | 1.50                    | 0.09                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | 0.5                                           | n/a                    | A minimum of 0.3 m thick LWF along front extending 2.4 m beyond building face, and a minimum of 0.3 m thick LWF along building side extending 1.2 m. A minimum of 0.5 m thick LWF below front porch. |
|                                                        | MT-511 to MT-512 | 87.01             | 88.60             | n/a              | n/a              | 86.71                          | 90.04                    | 150                             | XE                       | 1.50                    | 0.09                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | 0.5                                           | n/a                    | A minimum of 0.3 m thick LWF along front extending 2.4 m beyond building face. A minimum of 0.5 m thick LWF below front porch.                                                                       |
|                                                        | MT-513 to MT-514 | 87.09             | 88.60             | n/a              | n/a              | 86.71                          | 90.04                    | 150                             | XE                       | 1.50                    | 0.01                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-515 to MT-516 | 87.09             | 88.60             | n/a              | n/a              | 86.71                          | 90.04                    | 150                             | XE                       | 1.50                    | 0.01                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                      |
|                                                        | MT-517 to MT-518 | 87.00             | 88.60             | n/a              | n/a              | 86.71                          | 90.04                    | 150                             | XE                       | 1.50                    | 0.10                                | n/a                                | 0.01                                       | n/a                                       | 1.89                | n/a                | 0.5                                           | n/a                    | A minimum of 0.3 m thick LWF along front extending 2.4 m beyond building face, and a minimum of 0.3 m thick LWF along building side extending 1.2 m. A minimum of 0.5 m thick LWF below front porch. |
|                                                        | MT-519 to MT-520 | 87.00             | 88.60             | n/a              | n/a              | 86.71                          | 90.04                    | 150                             | XE                       | 1.50                    | 0.10                                | n/a                                | 0.01                                       | n/a                                       | 1.89                | n/a                | 0.5                                           | n/a                    | A minimum of 0.3 m thick LWF along front extending 2.4 m beyond building face, and a minimum of 0.3 m thick LWF along building side extending 1.2 m. A minimum of 0.5 m thick LWF below front porch. |

Table 1 - Summary of Design Details

PG2392 - Minto Communities - Trails Edge - Renaud Road

| Block Number | Unit Number      | Original GS Front | Proposed GS Front | Original GS Rear | Proposed GS Rear | Underside of Footing Elevation | Finished Floor Elevation | Bearing Resistance Value at SLS | Seismic Site Designation | Permissible Grade Raise | Above Permissible Grade Raise Front | Above Permissible Grade Raise Rear | Engineered Fill Required Below USF - Front | Engineered Fill Required Below USF - Rear | Frost Check - Front | Frost Check - Rear | Minimum Thickness LWF in Front Porch & Garage | Frost Protection Notes | General Notes |
|--------------|------------------|-------------------|-------------------|------------------|------------------|--------------------------------|--------------------------|---------------------------------|--------------------------|-------------------------|-------------------------------------|------------------------------------|--------------------------------------------|-------------------------------------------|---------------------|--------------------|-----------------------------------------------|------------------------|---------------|
|              |                  | (m)               | (m)               | (m)              | (m)              | (m)                            | (m)                      | (kPa)                           |                          | (m)                     | (m)                                 | (m)                                | (m)                                        | (m)                                       | (m)                 | (m)                | (m)                                           |                        |               |
| BLOCK 6      | MT-601 to MT-602 | 87.50             | 88.23             | n/a              | n/a              | 86.34                          | 89.67                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-603 to MT-604 | 87.50             | 88.23             | n/a              | n/a              | 86.34                          | 89.67                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-605 to MT-606 | 87.50             | 88.23             | n/a              | n/a              | 86.34                          | 89.67                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-607 to MT-608 | 87.50             | 88.23             | n/a              | n/a              | 86.34                          | 89.67                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-609 to MT-610 | 87.25             | 88.23             | n/a              | n/a              | 86.34                          | 89.67                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-611 to MT-612 | 87.25             | 88.23             | n/a              | n/a              | 86.34                          | 89.67                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-613 to MT-614 | 87.25             | 88.23             | n/a              | n/a              | 86.34                          | 89.67                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-615 to MT-616 | 87.25             | 88.23             | n/a              | n/a              | 86.34                          | 89.67                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-617 to MT-618 | 87.50             | 88.23             | n/a              | n/a              | 86.34                          | 89.67                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |               |
| BLOCK 7      | MT-619 to MT-620 | 87.50             | 88.23             | n/a              | n/a              | 86.34                          | 89.67                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-701 to MT-702 | 87.25             | 88.13             | n/a              | n/a              | 86.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-703 to MT-704 | 87.25             | 88.13             | n/a              | n/a              | 86.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-705 to MT-706 | 87.25             | 88.13             | n/a              | n/a              | 86.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-707 to MT-708 | 87.25             | 88.13             | n/a              | n/a              | 86.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-709 to MT-710 | 87.25             | 88.13             | n/a              | n/a              | 86.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-711 to MT-712 | 87.25             | 88.13             | n/a              | n/a              | 86.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-713 to MT-714 | 87.25             | 88.13             | n/a              | n/a              | 86.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-715 to MT-716 | 87.25             | 88.13             | n/a              | n/a              | 86.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.89                | n/a                | n/a                                           | n/a                    |               |
| BLOCK 8      | MT-801 to MT-802 | 87.25             | 88.13             | n/a              | n/a              | 85.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-803 to MT-804 | 87.25             | 88.13             | n/a              | n/a              | 85.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-805 to MT-806 | 87.25             | 88.13             | n/a              | n/a              | 85.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-807 to MT-808 | 87.25             | 88.13             | n/a              | n/a              | 85.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-809 to MT-810 | 87.25             | 88.13             | n/a              | n/a              | 85.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-811 to MT-812 | 87.25             | 88.13             | n/a              | n/a              | 85.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-813 to MT-814 | 87.25             | 88.13             | n/a              | n/a              | 85.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-815 to MT-816 | 87.25             | 88.13             | n/a              | n/a              | 85.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-817 to MT-818 | 87.25             | 88.13             | n/a              | n/a              | 85.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.89                | n/a                | n/a                                           | n/a                    |               |
| BLOCK 9      | MT-819 to MT-820 | 87.25             | 88.13             | n/a              | n/a              | 85.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-821 to MT-822 | 87.25             | 88.13             | n/a              | n/a              | 85.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.89                | n/a                | n/a                                           | n/a                    |               |
|              | MT-823 to MT-824 | 87.25             | 88.13             | n/a              | n/a              | 85.24                          | 89.57                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.89                | n/a                | n/a                                           | n/a                    |               |
|              | Unit A           | 87.18             | 88.14             | n/a              | n/a              | 86.32                          | 88.50                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.82                | n/a                | n/a                                           | n/a                    |               |
|              | Unit B           | 87.18             | 88.14             | n/a              | n/a              | 86.32                          | 88.50                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.82                | n/a                | n/a                                           | n/a                    |               |
|              | Unit C           | 87.10             | 88.14             | n/a              | n/a              | 86.32                          | 88.50                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.82                | n/a                | n/a                                           | n/a                    |               |
|              | Unit D           | 87.10             | 88.14             | n/a              | n/a              | 86.32                          | 88.50                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.82                | n/a                | n/a                                           | n/a                    |               |
|              | Unit E           | 87.10             | 88.14             | n/a              | n/a              | 86.32                          | 88.50                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.82                | n/a                | n/a                                           | n/a                    |               |
|              | Unit F           | 87.10             | 88.14             | n/a              | n/a              | 86.32                          | 88.50                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.82                | n/a                | n/a                                           | n/a                    |               |
| BLOCK 10     | Unit G           | 87.18             | 88.14             | n/a              | n/a              | 86.32                          | 88.50                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.82                | n/a                | n/a                                           | n/a                    |               |
|              | Unit H           | 87.18             | 88.14             | n/a              | n/a              | 86.32                          | 88.50                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.82                | n/a                | n/a                                           | n/a                    |               |
|              | Unit A           | 87.10             | 88.09             | n/a              | n/a              | 86.27                          | 88.63                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.82                | n/a                | n/a                                           | n/a                    |               |
|              | Unit B           | 87.05             | 88.09             | n/a              | n/a              | 86.27                          | 88.63                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.82                | n/a                | n/a                                           | n/a                    |               |
|              | Unit C           | 87.00             | 88.09             | n/a              | n/a              | 86.27                          | 88.63                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.82                | n/a                | n/a                                           | n/a                    |               |
|              | Unit D           | 87.00             | 88.09             | n/a              | n/a              | 86.27                          | 88.63                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.82                | n/a                | n/a                                           | n/a                    |               |
|              | Unit E           | 86.97             | 88.09             | n/a              | n/a              | 86.27                          | 88.63                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.82                | n/a                | n/a                                           | n/a                    |               |
|              | Unit F           | 86.90             | 88.27             | n/a              | n/a              | 86.27                          | 88.63                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.00                | n/a                | n/a                                           | n/a                    |               |
|              | Unit G           | 86.90             | 88.27             | n/a              | n/a              | 86.27                          | 88.63                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.00                | n/a                | n/a                                           | n/a                    |               |
| BLOCK 11     | Unit H           | 86.97             | 88.27             | n/a              | n/a              | 86.27                          | 88.63                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.00                | n/a                | n/a                                           | n/a                    |               |
|              | Unit I           | 87.00             | 88.27             | n/a              | n/a              | 86.27                          | 88.63                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.00                | n/a                | n/a                                           | n/a                    |               |
|              | Unit J           | 87.00             | 88.27             | n/a              | n/a              | 86.27                          | 88.63                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.00                | n/a                | n/a                                           | n/a                    |               |
|              | Unit K           | 87.00             | 88.27             | n/a              | n/a              | 86.27                          | 88.63                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.00                | n/a                | n/a                                           | n/a                    |               |
|              | Unit L           | 87.00             | 88.27             | n/a              | n/a              | 86.27                          | 88.63                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.00                | n/a                | n/a                                           | n/a                    |               |
|              | Unit A           | 87.15             | 88.14             | n/a              | n/a              | 86.14                          | 88.50                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.00                | n/a                | n/a                                           | n/a                    |               |
|              | Unit B           | 87.15             | 88.14             | n/a              | n/a              | 86.14                          | 88.50                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.00                | n/a                | n/a                                           | n/a                    |               |
|              | Unit C           | 87.15             | 87.96             | n/a              | n/a              | 86.14                          | 88.50                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.82                | n/a                | n/a                                           | n/a                    |               |
|              | Unit D           | 87.15             | 87.96             | n/a              | n/a              | 86.14                          | 88.50                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.82                | n/a                | n/a                                           | n/a                    |               |

| Table 1 - Summary of Design Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |                   |                   |                  |                  |                                |                          |                                 |                          |                         |                                     |                                    |                                            |                                           |                     |                    |                                               |                        |                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|-------------------|------------------|------------------|--------------------------------|--------------------------|---------------------------------|--------------------------|-------------------------|-------------------------------------|------------------------------------|--------------------------------------------|-------------------------------------------|---------------------|--------------------|-----------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PG2392 - Minto Communities - Trails Edge - Renaud Road                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |                   |                   |                  |                  |                                |                          |                                 |                          |                         |                                     |                                    |                                            |                                           |                     |                    |                                               |                        |                                                                                                                                                                                                                 |
| Block Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Unit Number | Original GS Front | Proposed GS Front | Original GS Rear | Proposed GS Rear | Underside of Footing Elevation | Finished Floor Elevation | Bearing Resistance Value at SLS | Seismic Site Designation | Permissible Grade Raise | Above Permissible Grade Raise Front | Above Permissible Grade Raise Rear | Engineered Fill Required Below USF - Front | Engineered Fill Required Below USF - Rear | Frost Check - Front | Frost Check - Rear | Minimum Thickness LWF in Front Porch & Garage | Frost Protection Notes | General Notes                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             | (m)               | (m)               | (m)              | (m)              | (m)                            | (m)                      | (kPa)                           |                          | (m)                     | (m)                                 | (m)                                | (m)                                        | (m)                                       | (m)                 | (m)                | (m)                                           |                        |                                                                                                                                                                                                                 |
| BLOCK 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unit A      | 87.00             | 87.92             | n/a              | n/a              | 86.10                          | 88.46                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.82                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unit B      | 87.00             | 87.92             | n/a              | n/a              | 86.10                          | 88.46                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.82                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unit C      | 87.00             | 87.92             | n/a              | n/a              | 86.10                          | 88.46                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.82                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unit D      | 87.00             | 87.92             | n/a              | n/a              | 86.10                          | 88.46                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 1.82                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unit E      | 87.00             | 88.10             | n/a              | n/a              | 86.10                          | 88.46                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.00                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unit F      | 86.44             | 88.10             | n/a              | n/a              | 86.10                          | 88.46                    | 150                             | XE                       | 1.50                    | 0.16                                | n/a                                | 0.00                                       | n/a                                       | 2.00                | n/a                | n/a                                           | n/a                    | A minimum of 0.3 m thick LWF along front extending 2.4 m beyond building face, and a minimum of 0.3 m thick LWF along building side extending 1.2 m. A minimum of 0.5 m thick LWF below front porch and garage. |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unit G      | 86.44             | 88.10             | n/a              | n/a              | 86.10                          | 88.46                    | 150                             | XE                       | 1.50                    | 0.16                                | n/a                                | 0.00                                       | n/a                                       | 2.00                | n/a                | n/a                                           | n/a                    | A minimum of 0.3 m thick LWF along front extending 2.4 m beyond building face, and a minimum of 0.3 m thick LWF along building side extending 1.2 m. A minimum of 0.5 m thick LWF below front porch and garage. |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unit H      | 86.99             | 88.10             | n/a              | n/a              | 86.10                          | 88.46                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.00                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unit I      | 87.00             | 88.10             | n/a              | n/a              | 86.10                          | 88.46                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.00                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unit J      | 87.00             | 88.10             | n/a              | n/a              | 86.10                          | 88.46                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.00                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unit K      | 87.00             | 88.10             | n/a              | n/a              | 86.10                          | 88.46                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.00                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unit L      | 87.00             | 88.10             | n/a              | n/a              | 86.10                          | 88.46                    | 150                             | XE                       | 1.50                    | 0.00                                | n/a                                | 0.00                                       | n/a                                       | 2.00                | n/a                | n/a                                           | n/a                    |                                                                                                                                                                                                                 |
| <b>Notes:</b><br>Grading information was based on the following grading plan prepared by ATREL Engineering Ltd:<br>- Grading Plan - Project No. 240801 - Drawing No. 240801-GR1 - Received November 5, 2025<br>Current Block and Lot numbers assigned based on the following site plan prepared by SRN Architects below:<br>- Site Plan - Project No. S24027 - Drawing No. A100 - dated November 6, 2025<br>All engineered fill thickness recommendations consider a minimum 300 mm thick layer of topsoil requiring to be removed from the ground surface prior to placing fill, and is considered in the thickness provided herein. |             |                   |                   |                  |                  |                                |                          |                                 |                          |                         |                                     |                                    |                                            |                                           |                     |                    |                                               |                        |                                                                                                                                                                                                                 |



**NOTES:**

1. USE EPS12 BELOW FRONT PORCH AND LANDSCAPED AREAS
2. USE EPS15 BELOW GARAGE AND DRIVEWAY
3. MINIMUM GRANULAR THICKNESS OVER LWF SHOULD BE AS FOLLOWS:
 

|             |                                 |
|-------------|---------------------------------|
| FRONT PORCH | 150mm OF OPSS GRANULAR A        |
| GARAGE      | 300mm OF OPSS GRANULAR A        |
| DRIVEWAY    | 450mm OF OPSS GRANULAR A        |
| LANDSCAPED  | 500mm OF APPROVED BACKFILL SOIL |
4. PLACEMENT OF LWF SHOULD BE ON A LEVELED SURFACE (SAND CAN BE USED TO PROVIDE AN ADEQUATE LEVELLING SURFACE).



Title:

**EPS BLOCK INSTALLATION  
AROUND RESIDENTIAL BUILDINGS**

Scale:

**N.T.S.**

Date:

**11/2025**

Drawn by:

**NFRV**

Checked by:

**DP**

Drawing No.:

**FIGURE 1**