

re: Response to Engineering Comments
Proposed Residential Development
2710 Draper Avenue - Ottawa

to: Greatwise Developments - **Mr. Zaf Kelekvan** - zaf@greatwise.ca

date: March 21, 2019

file: PG1630-MEMO.17

Further to your request and authorization, Paterson Group (Paterson) prepared the following memorandum to respond to the current City of Ottawa engineering review comments for the aforementioned site. This memorandum should be read in conjunction with our geotechnical Report PG1630-4 Revision 1 dated February 21, 2019.

Geotechnical Comments

Item 32

Comment: *A Retaining Wall Stability Analysis Report and Retaining Wall Structural Details are required to be provided that demonstrates that the proposed retaining wall (max height 1.61 m) along the south property line has been assessed for global instability. The cross-sectional structural detail plan to be provided is to be included as part of the civil engineering drawing set as a full size drawing. No retaining wall features shall encroach onto the adjacent lands.*

Response: Refer to Drawing PG1630-4 - Stone Strong Retaining Wall Design, attached.

Item 33

Comment: *A fence is required along the top of the retaining wall. Proposed fence details shall be shown on the plan to be provided.*

Response: Proposed fence details will be shown on the retaining wall design drawing.

Item 34

Comment: *A slope stability assessment memorandum is required to be provided from the Geotechnical Engineer of record assessing the slopes adjacent to the underground parking garage. This report shall address the stability of the slope as the overall height of the slope exceeds 2m.*

Response: Please refer to Subsection 6.9 in our revised Report PG1630-4 Revision 1 dated February 21, 2019. Paterson reviewed the following drawing prepared by DSEL:

- ☐ Drawing No. GP-1 - Grading Plan - Project No. 17-927 - Revision 1 dated December 7, 2018.

It should be noted that this area was previously analyzed for slope stability; the current analysis supersedes previous slope stability analyses. Discussion regarding the proposed slope, as shown on the aforementioned grading plan has been included in Subsection 6.9 of Report PG1630-4 Revision 1 dated February 21, 2019. The proposed slope is considered stable from a geotechnical perspective.

Item 35

Comment: *There is concern regarding the proximity of the proposed slab on grade buildings to the existing underground parking for 2785 Baseline Road. Was the underground parking wall designed to take into account the additional surface load?*

Response: Based on our review of the proposed Lots with respect to the existing parking garage, no negative impacts are expected from the new construction on the garage foundation walls, from a geotechnical perspective.

We trust that this information satisfies your requirements.

Best Regards,

Paterson Group Inc.



Nathan F. S. Christie, P.Eng.



Faisal I. Abou-Seido, P.Eng.

Paterson Group Inc.

Head Office and Laboratory
154 Colonnade Road South
Ottawa - Ontario - K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

Northern Office and Laboratory
63 Gibson Street
North Bay - Ontario - P1B 8Z4
Tel: (705) 472-5331 Fax: (705) 472-2334

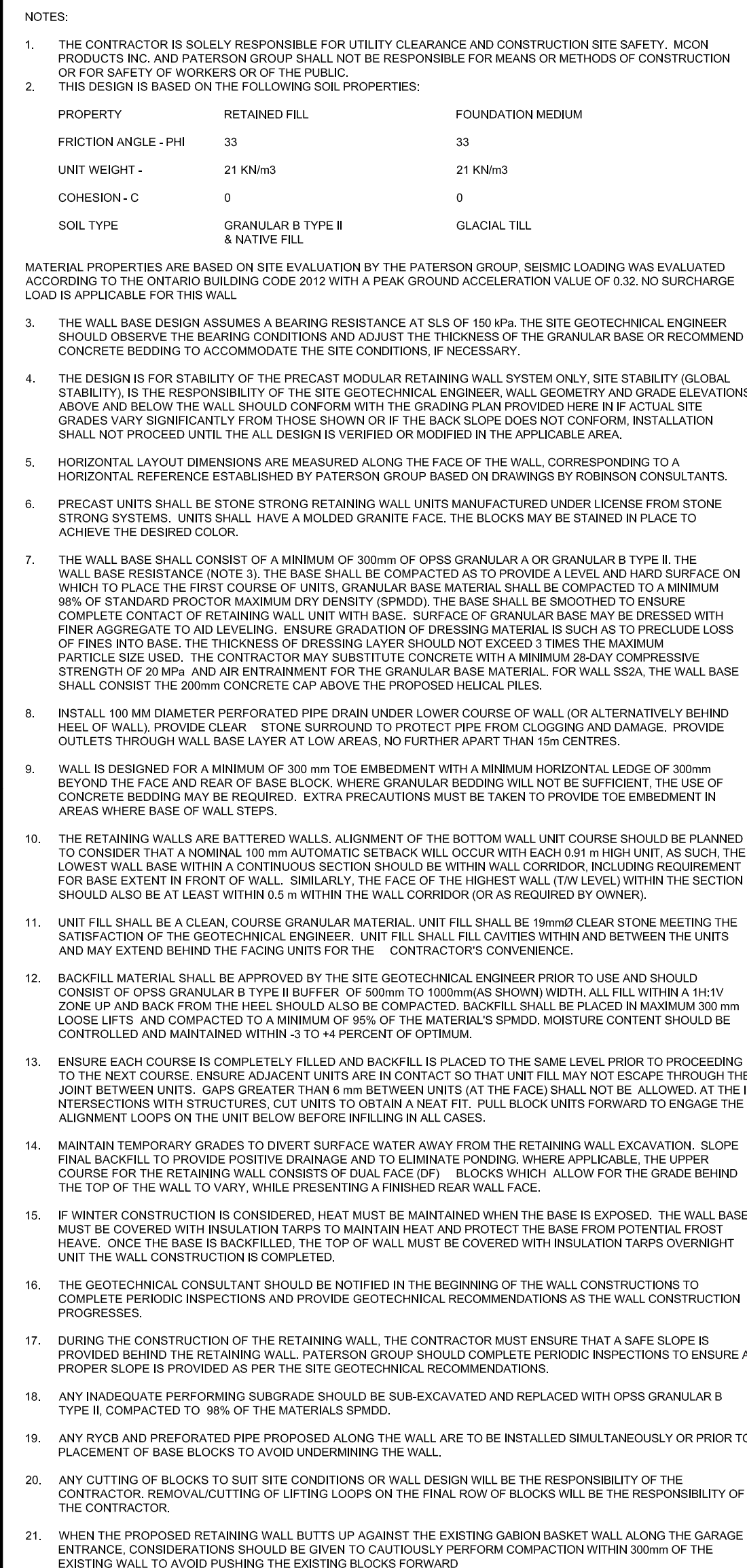
St. Lawrence Office
993 Princess Street
Kingston - Ontario - K7L 1H3
Tel: (613) 542-7381

SCALE - 1:100

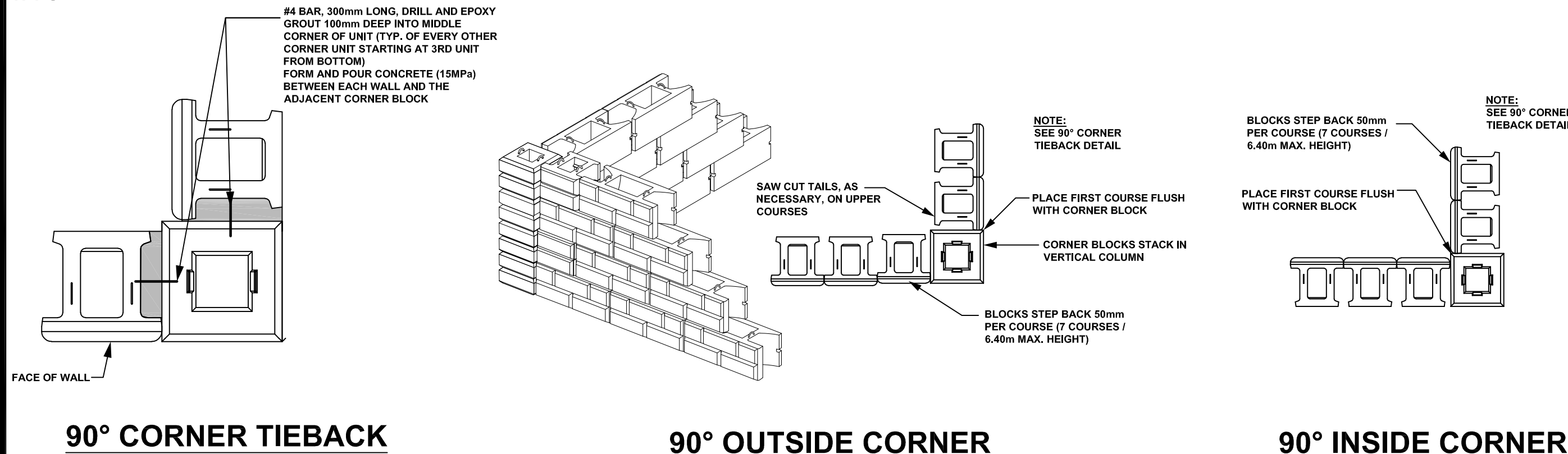


- | | |
|-------------------|-----------------|
| 6-44 | 6-44 UNIT |
| 3-44 | 3-44 UNIT |
| 6-28 | 6-28 UNIT |
| 3-28 | 3-28 UNIT |
| 3-28T | 3-28 TOP UNIT |
| 6-28T | 6-28 TOP UNIT |
| 3E | CORNER END UNIT |
| 90° CORNER | 90° CORNER UNIT |

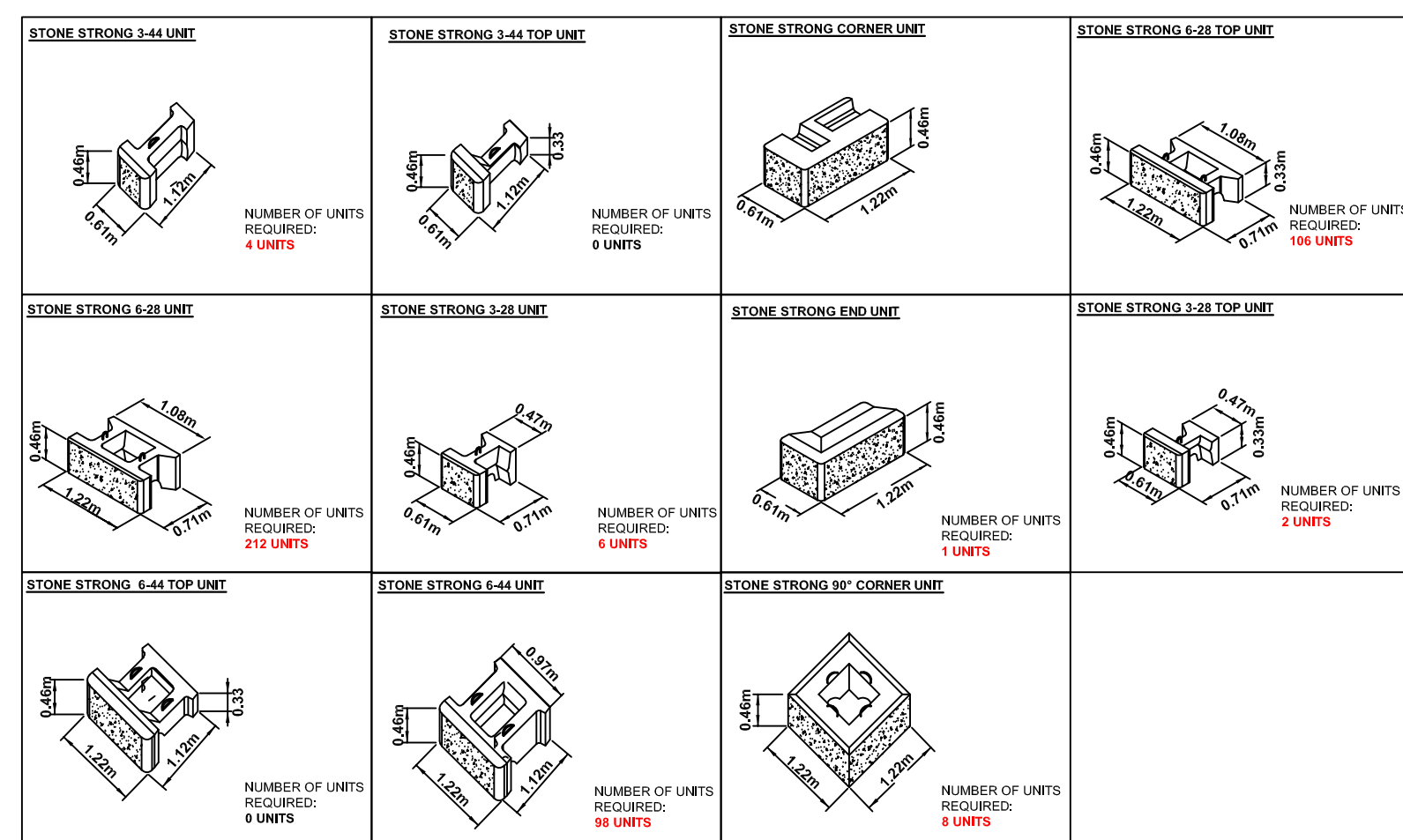
SCALE - 1:100



N.T.S



N.T.S

[illegible]

Title:	
---------------	--

Stamp:



Scale:	AS SHOWN	Report No.:	PG1630
Drawn by:	RCG	Drawing No.:	PG1630-4
Checked by:	FA		
Approved by:	FA		
Date:	03/2019	Revision No.:	