



November 23, 2016

Michael Hudson
717 Highwater Place
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Mhudson809@gmail.com

Reference: Engineering Services
Flintlock Rd.
Fuquay-Varina, NC
Project No.: 1601-020462

To Whom It May Concern:

As requested by the builder, a representative of Tyndall Engineering & Design (TE&D) was on-site to visually observe and analyze the following items:

- 1) Proposed masonry retaining wall at the proposed front driveway.

The following conclusions and recommendations were presented for the above-mentioned items:

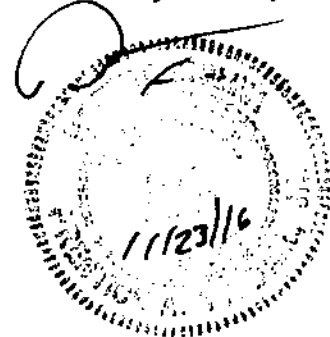
- 1) Based on our observations and analysis, the proposed retaining wall at the proposed front driveway should be constructed in general accordance with the attached diagrams on pages 2-4 of this report.

We appreciate the opportunity to assist you during this phase of the project. Should you need further assistance or require additional information please do not hesitate to contact us.

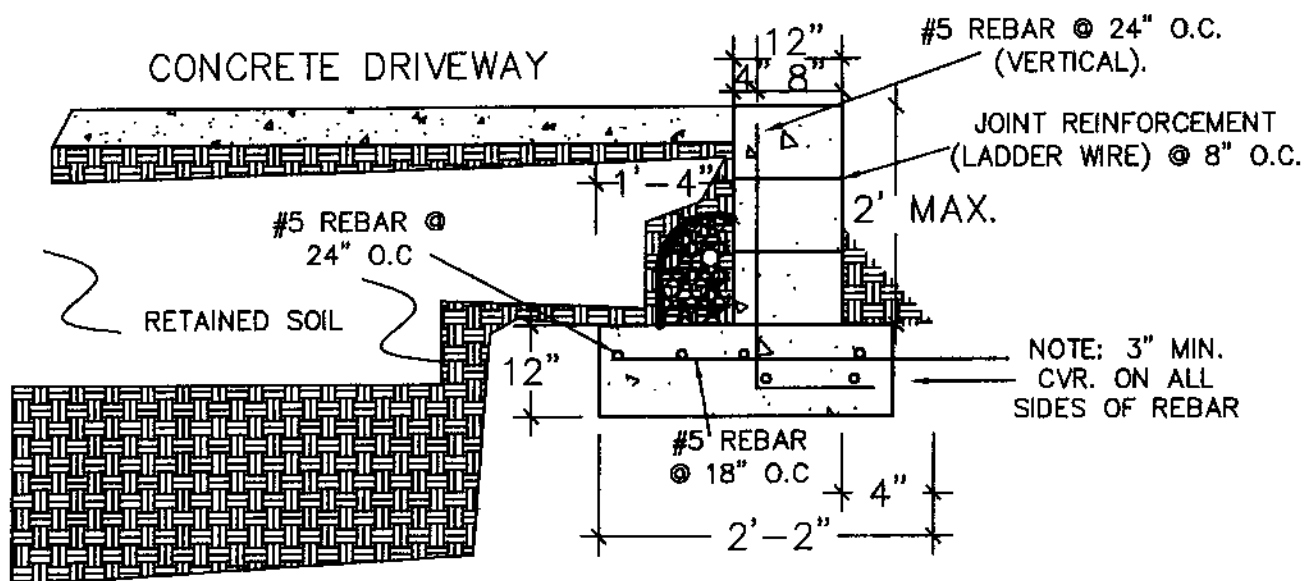
Sincerely,
Tyndall Engineering & Design

Sean M. Holmes
SMH/ 1601-020462

Prentice A. Tyndall Jr., PE



**CANTILEVER MASONRY
RETAINING WALL
1'-0" to 2'-0"**



Concrete Wall Design Criteria

Bearing Pressure	= 2000 psf
Concrete	= 3000 psi
ϕ	= 120 psf
ϕ	= 28"
c	= 0 psf



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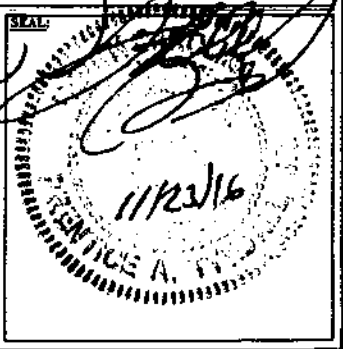
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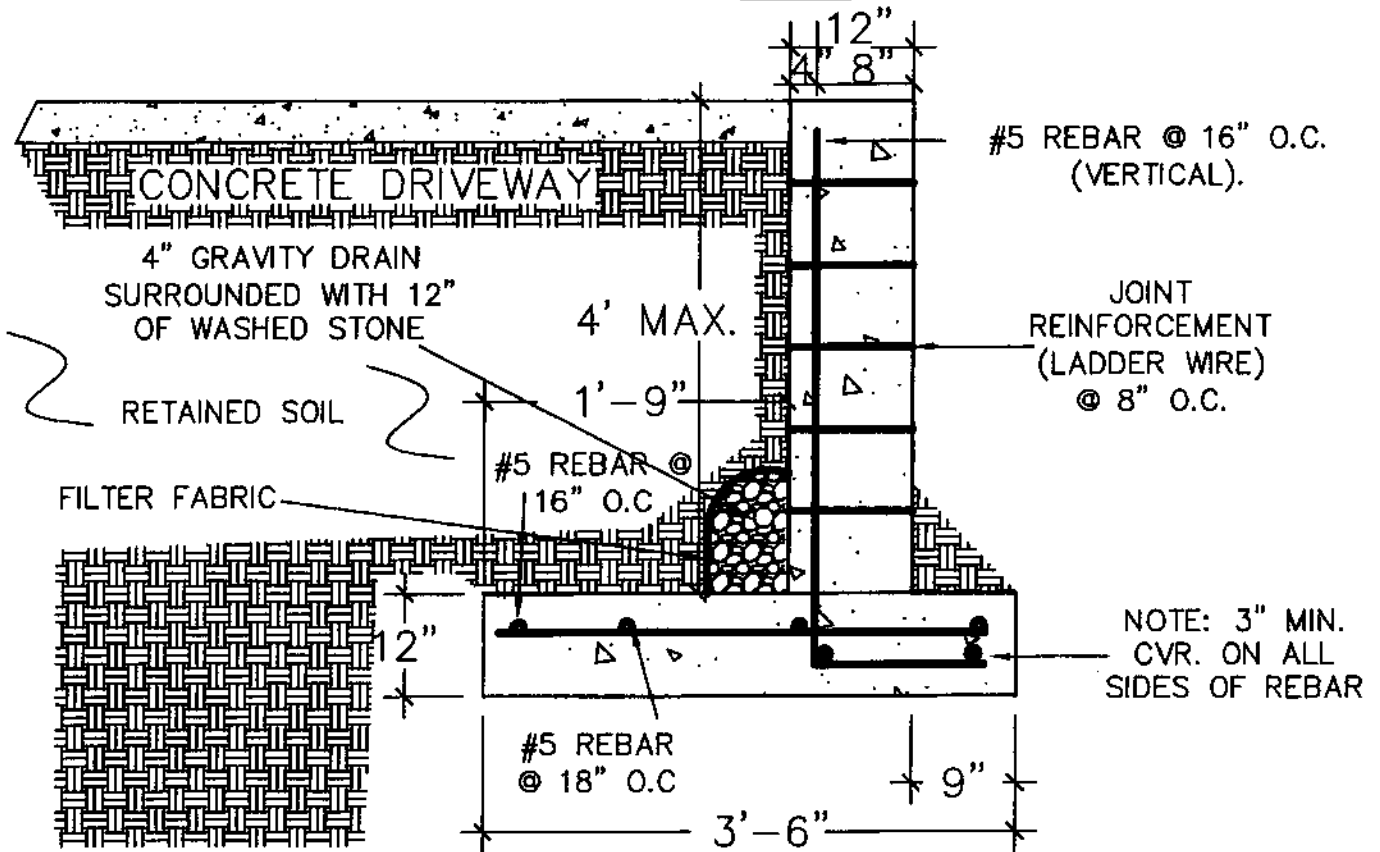
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Flintlock Rd.
Fuquay-Varina, NC
Project No.: 0601-020462

DESIGNED BY: SMH	DATE: 11-23-16	DRAWING #: 1 of 4
CHECKED BY: PAT	SCALE: NTS	PAGE #: 2 of 5
REV #: 0	DESCRIPTION:	REVISION DATE:



**CANTILEVER MASONRY
RETAINING WALL
2'-1" to 4'-0"**



Concrete Wall Design Criteria
 Bearing Pressure = 2000 psf
 Concrete = 3000 psi
 γ = 120 psf
 ϕ = 26"
 C = 0 psf



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2 of 4

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PAGE #:

3 of 5

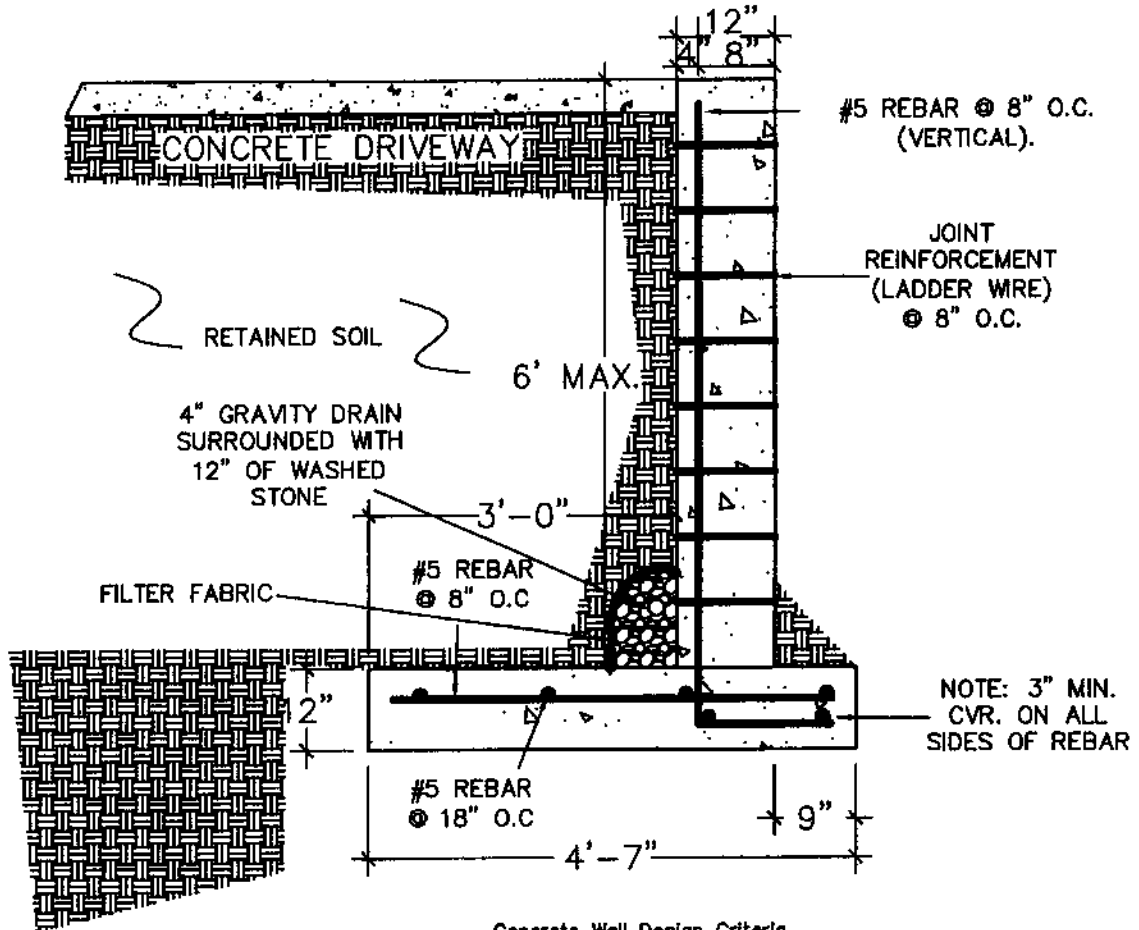
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**CANTILEVER MASONRY
RETAINING WALL**
4'-1" to 6'-0"



Concrete Wall Design Criteria
 Bearing Pressure = 2000 psf
 Concrete = 3000 psi
 γ = 120 pcf
 ϕ = 26°
 C = 0 pcf



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4 of 5

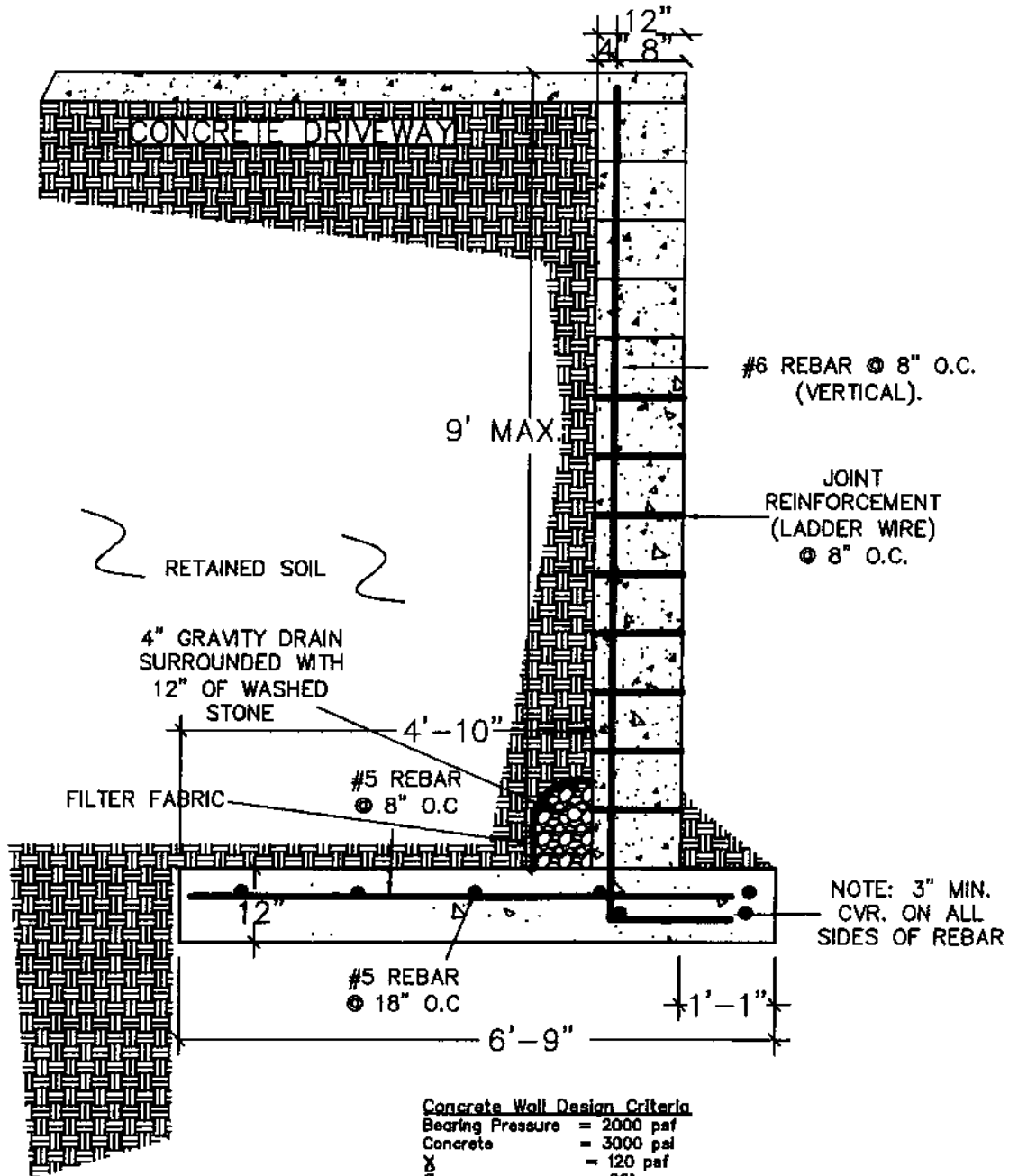
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**CANTILEVER MASONRY
RETAINING WALL
6'-1" to 9'-0"**



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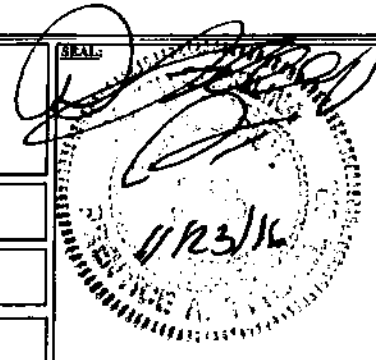
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PAGE #:

5 of 5

REV #:

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