

TESTING INFORMATION:

Testing Company: _____
Inspections Jurisdiction: _____

I hereby certify that the above named company has been retained and is qualified to perform all of the necessary testing required to construct the retaining wall designed in these plans. If required, the above named inspections department will be notified of the results of these tests and/or in the event that testing services are suspended.

Contractor: _____

Print Name _____ Signature _____

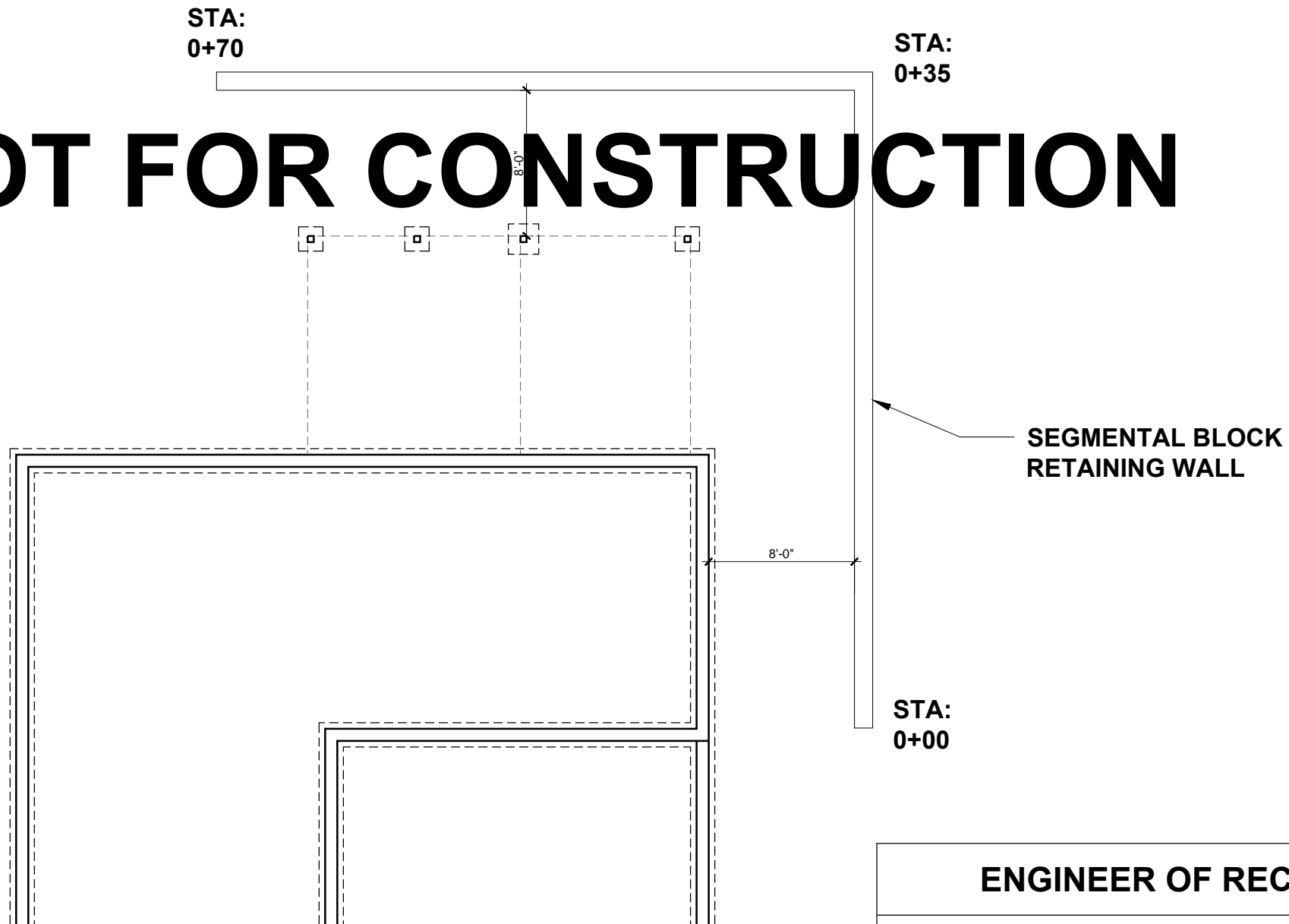
ENGINEER MUST BE PRESENT DURING CONSTRUCTION OF RETAINING WALL TO CERTIFY INSTALLATION OF WALL

IT IS THE CONTRACTORS' RESPONSIBILITY TO PROVIDE STABLE CUTS AND/OR TRENCH PROTECTION PER OSHA STANDARDS

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P-0961

NOT FOR CONSTRUCTION



RETAINING WALL: PLAN VIEW

SCALE: 1" = 8'-0"

ENGINEER OF RECORD	
JDS CONSULTING, PLLC	
DESIGN · ENGINEERING · SURVEYING · ENERGY	
8600 'D' JERSEY COURT	
RALEIGH, NC 27617	
FIRM LIC. NO: P-0961	
PROJECT REFERENCE: 21901981	



**Know what's below.
Call before you dig.**

UTILITY LINES & TRANSFORMER ARE TO BE LOCATED BEFORE CONSTRUCTION STARTS ON OR NEAR RETAINING WALL. CALL 811 TO MARK OFF UTILITIES BEFORE YOU DIG.



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INFO@JDSCONSULTING.NET · WWW.JDSCONSULTING.NET

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CLIENT:	KB HOMES
PROJECT:	HIGHLAND GROVE LOT 21
LOCATION:	FUQUAY-VARINA, NORTH CAROLINA
SCALE:	1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

PROJECT NO.: 2190XXXX

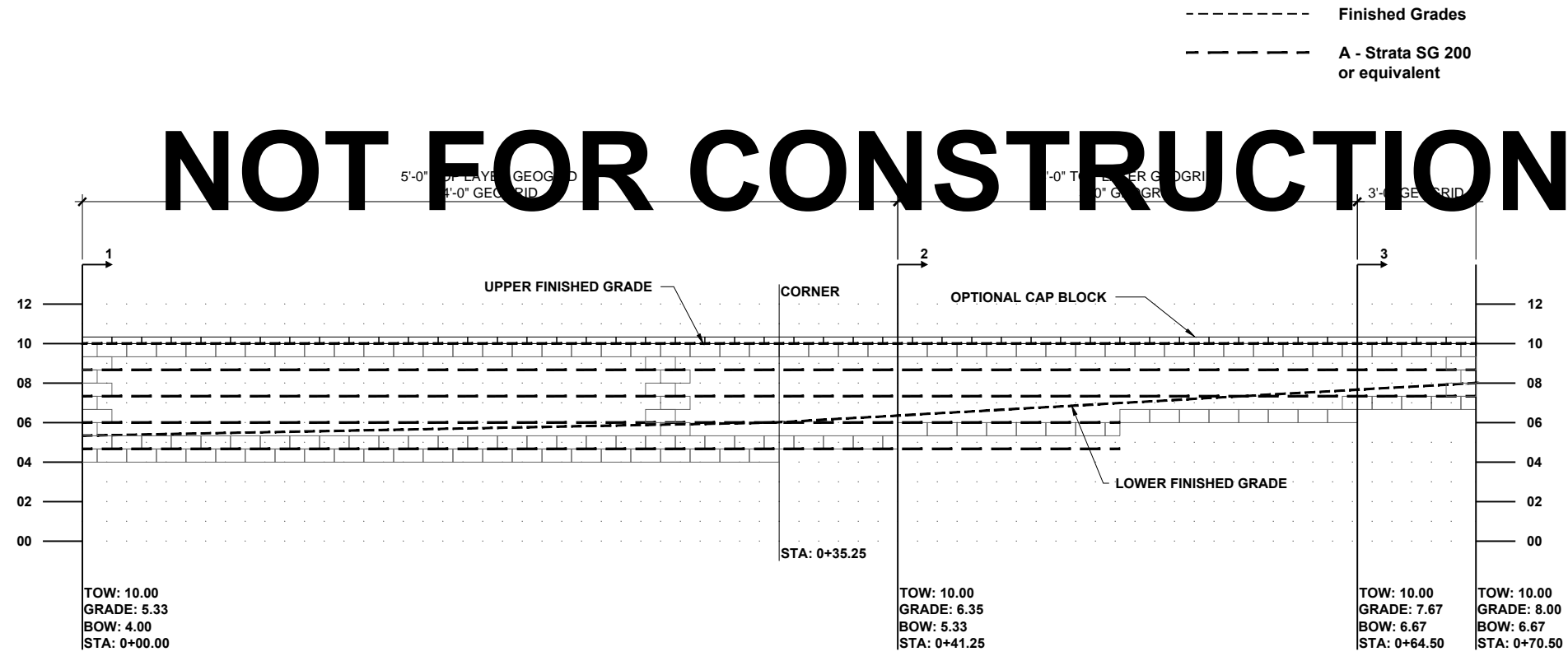
DATE: 11/02/2021 DRAWN BY: KMC

RETAINING WALL PLAN VIEW

RW1.0

ENGINEER MUST BE PRESENT DURING CONSTRUCTION OF RETAINING WALL TO CERTIFY INSTALLATION OF WALL

NOT FOR CONSTRUCTION



FINISHED GRADE LINES ARE TO BE DETERMINED BY CONTRACTOR. MAXIMUM UNBALANCED FILL TO BE 4'-0" AND A MINIMUM OF 1.5 BLOCK(S) TO BE BURIED BELOW GRADE AT ANY POINT.

RETAINING WALL: ELEVATION
 SCALE: 1/8" = 1'-0"

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LOCATION: **FUQUAY-VARINA, NORTH CAROLINA**

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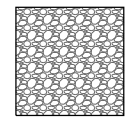
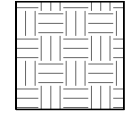
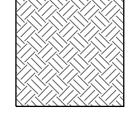
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DATE: **11/02/2021** DRAWN BY: **KMC**

RETAINING WALL ELEVATION VIEW
RW2.0

ENGINEER MUST BE PRESENT DURING CONSTRUCTION OF RETAINING WALL TO CERTIFY INSTALLATION OF WALL

IT IS THE CONTRACTORS' RESPONSIBILITY TO PROVIDE STABLE CUTS AND/OR TRENCH PROTECTION PER OSHA STANDARDS

-  WELL-GRADED GRANULAR WALL ROCK 0.25 in TO 1.5 in (5 mm TO 38 mm) LESS THAN 10% FINES, 12" MIN. OF BACKFILL
-  VIRGIN SOIL OR CONTROLLED FILL TO 95% COMPACTION
-  REINFORCED BACKFILL PER MFTR SPECS. COMPACTED TO MFTR SPECS.

----- SECTION: GEOGRID

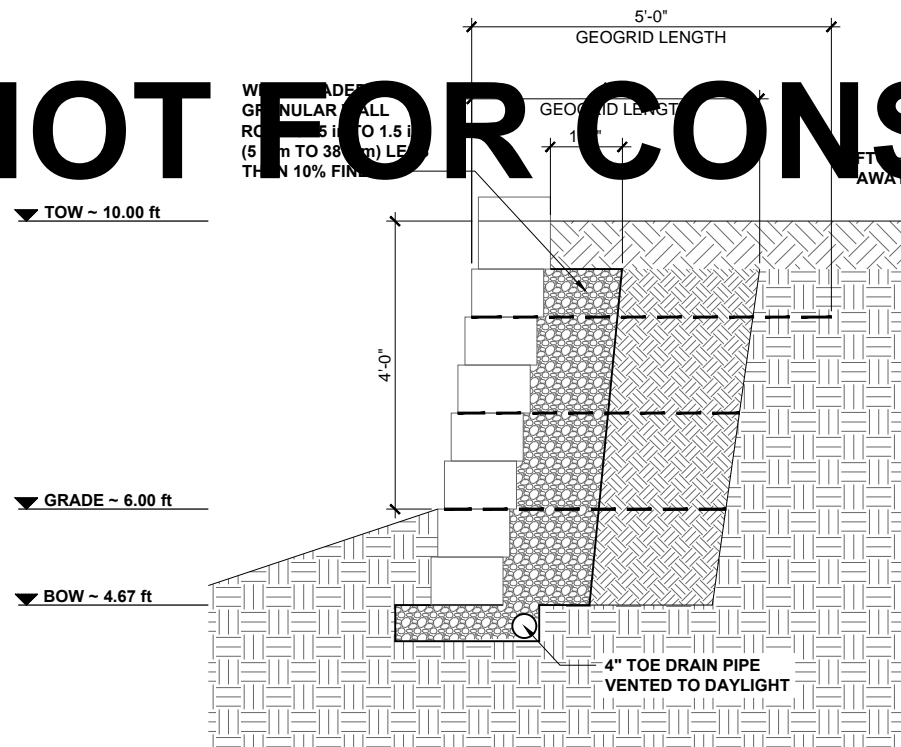
WALL UNIT TYPE - 8"H x 18"W x 12"D

GEOGRID REINFORCEMENT TYPE - STRATA 200 U.N.O. (OR EQUIVALENT)

ADDITIONAL NOTES:

1. Setback distance is approximate and does not consider curves, radii or corners.
2. Geogrids placed in the slope above the wall are used in the internal compound stability calculations and in the contributory area calculation of the top wall geogrid.
3. Place the geogrid, in the reinforced base, per the elevation view.
4. All geogrid length dimensions are minimum lengths that the geogrid must extend past the front face of the block.
5. Base of wall shall be 6" deep and 2' wide typical, U.N.O., with the stone extending 6" beyond the face of the first course of block.
6. For site configurations with bottoms of the base on a level plane a minimum one percent gradient shall be maintained on the placement of the toe and heel pipe. Pipe outlets shall be provided on 50' centers, or 100' centers if pipe is crowned between the outlets.
7. Retaining wall shall be constructed in accordance with block manufacturer's specifications and recommendations.
8. Maintain 3' consolidation zone behind face of wall. No heavy equipment or machinery shall be allowed within the consolidation zone.

NOT FOR CONSTRUCTION



**Section 1: (0ft - 41ft)
4'-0" MAX UNBALANCED FILL**

RETAINING WALL: SECTION DETAIL
SCALE: 3/8" = 1'-0"

FINISHED GRADE LINES ARE TO BE DETERMINED BY CONTRACTOR. A MINIMUM OF 1.5 BLOCK(S) TO BE BURIED BELOW GRADE AT ANY POINT.

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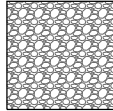
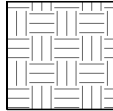
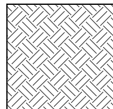
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RETAINING WALL SECTION DETAILS

RW3.0

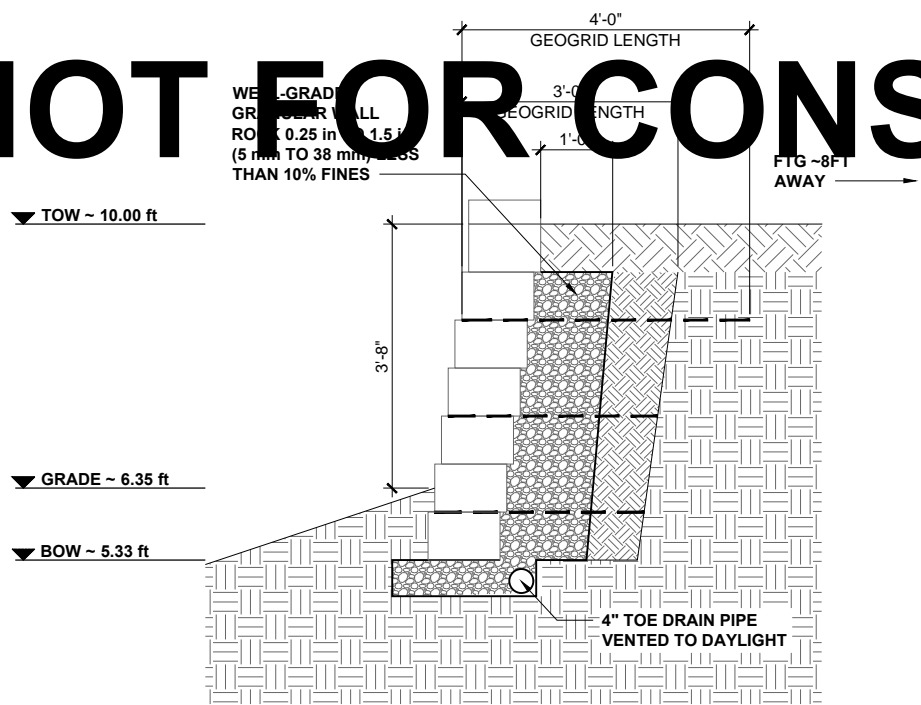
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----- SECTION: GEOGRID

WALL UNIT TYPE - 8"H x 18"W x 12"D

NOT FOR CONSTRUCTION



Section 2: (41ft - 65ft)
3'-8" MAX UNBALANCED FILL

RETAINING WALL: SECTION DETAIL

SCALE: 3/8" = 1'-0"

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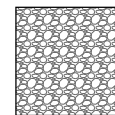
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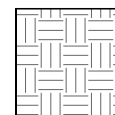
RETAINING WALL SECTION DETAILS

RW3.1

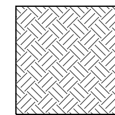
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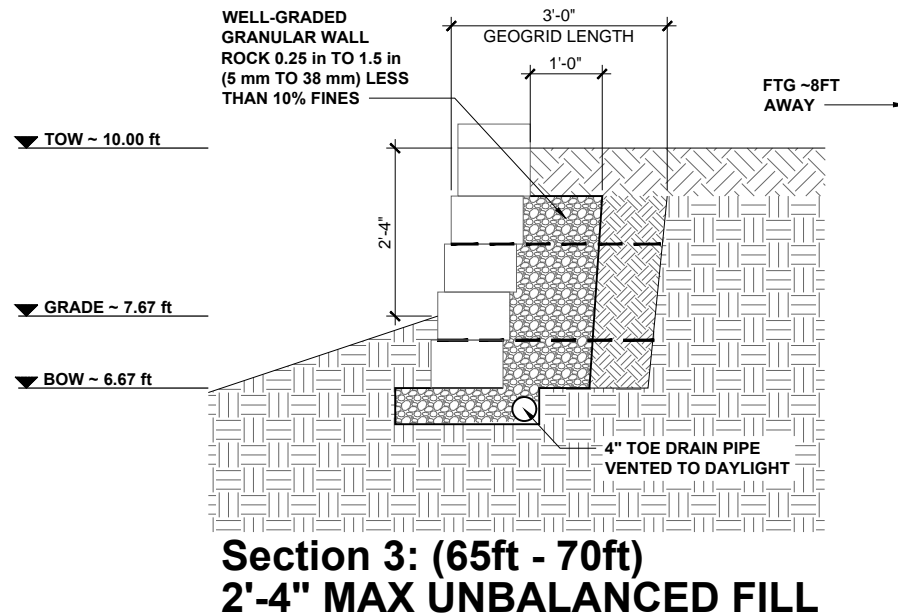


REINFORCED BACKFILL PER MFTR SPECS. COMPACTED TO MFTR SPECS.

----- SECTION: GEOGRID

WALL UNIT TYPE - 8"H x 18"W x 12"D

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RETAINING WALL SECTION DETAILS

RW3.2