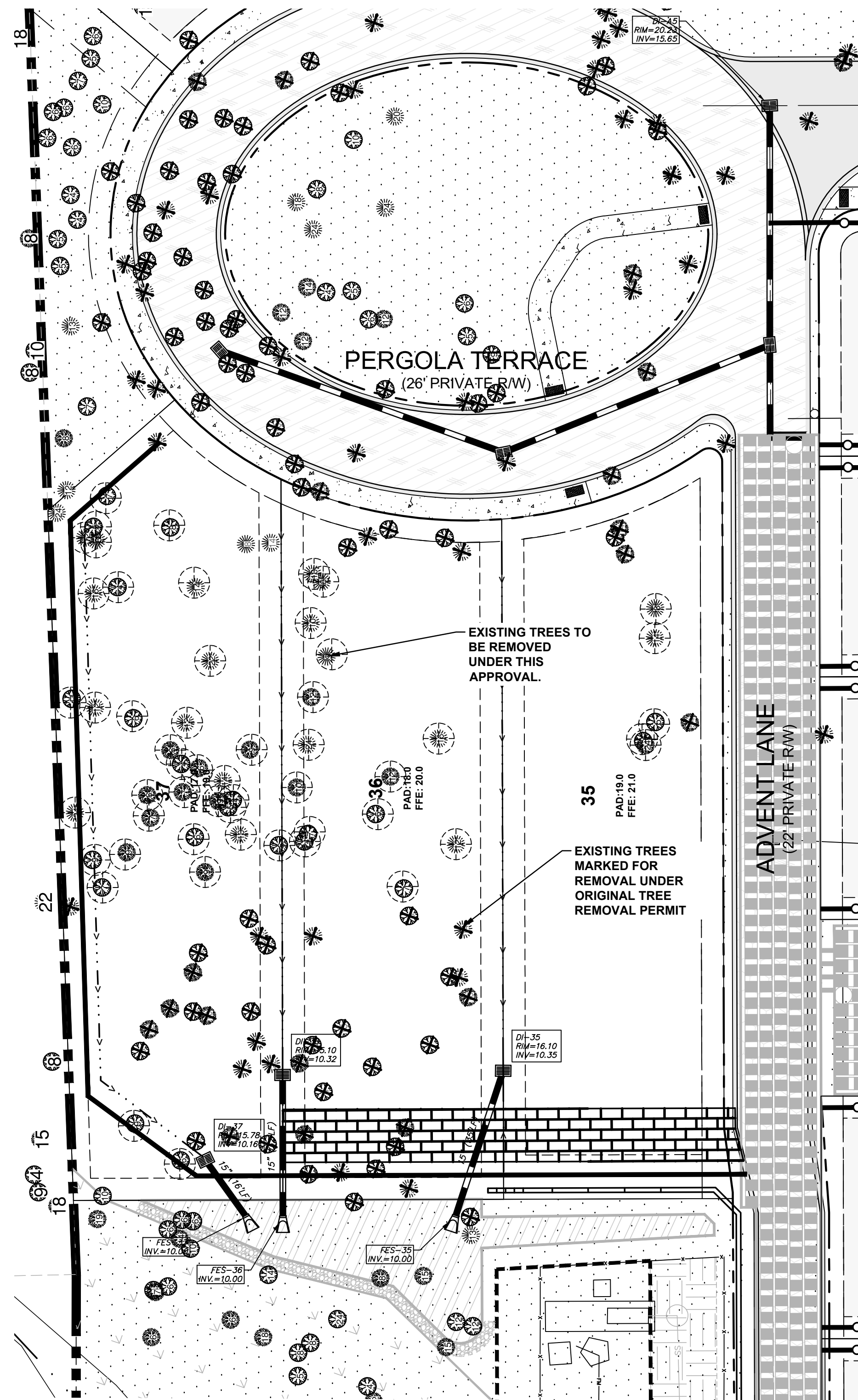


20' 0 20' 40'  
SCALE: 1"=20' (Horiz.)

2 SITE PLAN / GRADING PLAN

SCALE: 1"=20'

REV. NO.	DESCRIPTION / REVISIONS	DATE



20' 0 20' 40'  
SCALE: 1"=20' (Horiz.)

1 TREE REMOVAL PLAN

SCALE: 1"=20'

AIRLIE AT WRIGHTSVILLE SOUND  
LOTS 35-37  
WILMINGTON, NEW HANOVER COUNTY, NC  
TOWNSHIP OF WILMINGTON

LOTS 35-37 SITE AND GRADING PLAN  
LOTS 35-37 TREE REMOVAL PLAN

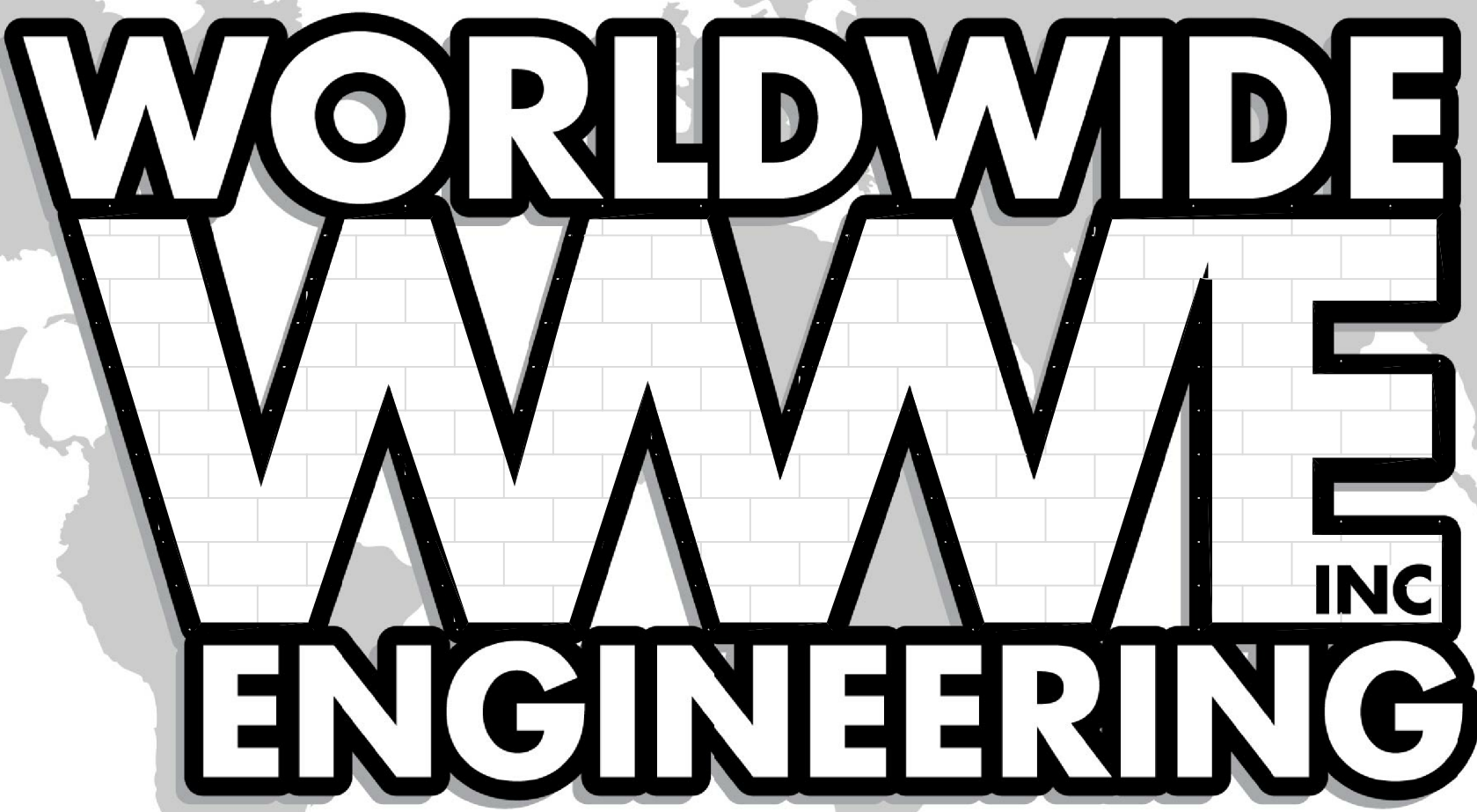
DATE:	02/05/2019
MCE PROJ. #	LOTS 35-37
DRAWN	RMC
DESIGNED	RMC
CHECKED	RMC
PROJ. MGR.	RMC

SCALE	HORIZONTAL: 1"=20'
VERTICAL:	

M&C FILE NUMBER	
DRAWING NUMBER	C1.1

STATUS: FINAL DESIGN  
ISSUED FOR CONSTRUCTION

REVISION

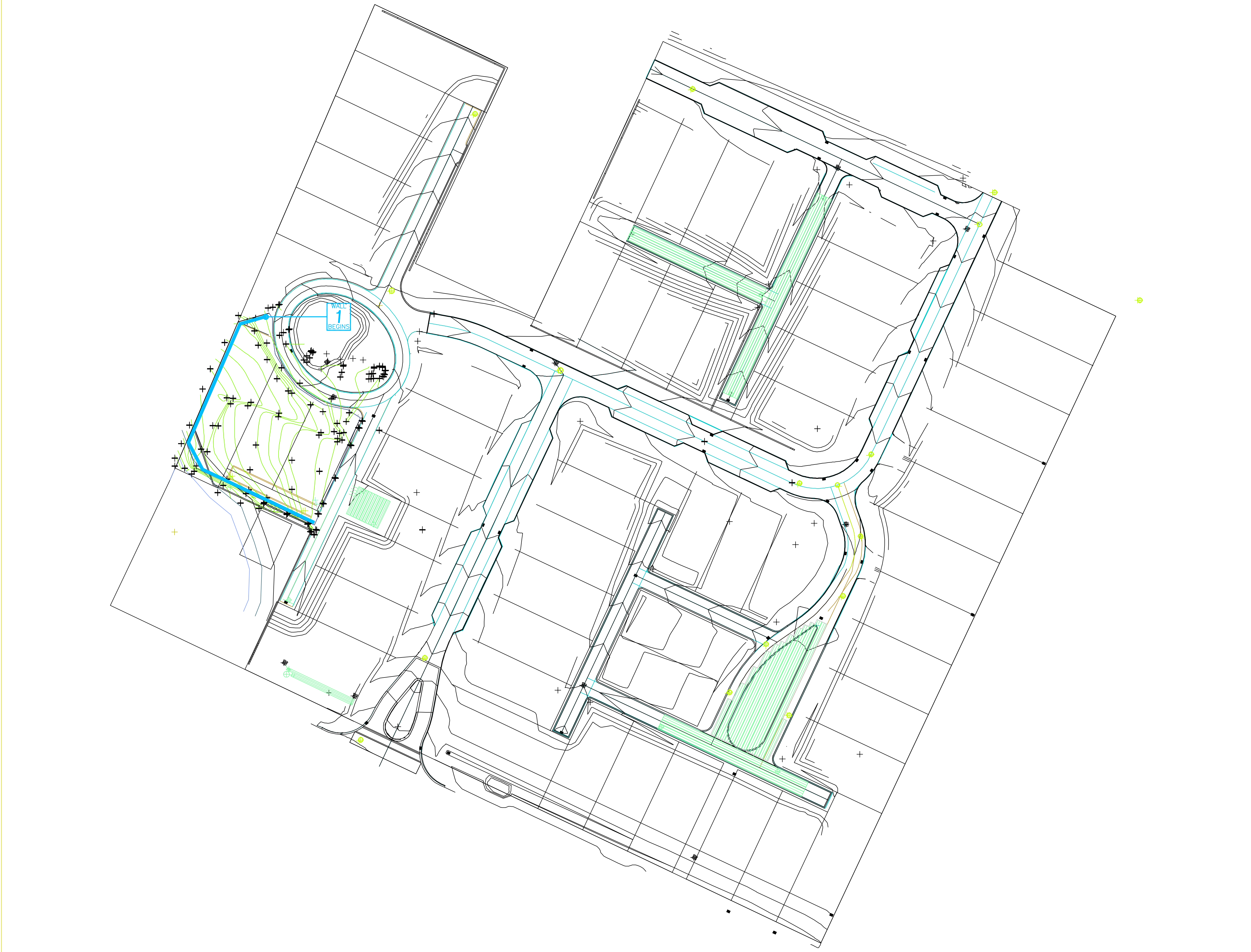


SEGMENTAL  
RETAINING  
WALLS

INDEX OF DRAWINGS:

Sheet 1 of 5:	Cover Sheet
Sheet 2 of 5:	Plan View
Sheet 3 of 5:	Elevation Views (Wall 1)
Sheet 4 of 5:	Details
Sheet 5 of 5:	Notes

						COVER							
						Airlie at Wrightsville Sound Lots 35-37							
						RETAINING WALLS							
						Wilmington, NC							
DESIGNER: MICHAEL KISER PE						ISSUED BY: MLK		DATE: 1/18/21		REV: _____			
						CHECKED BY: CCH		DATE: 1/18/21		REV: _____			
NO.						SCALE:		SEGMENTAL RETAINING WALL				REV: _____	
REVISIONS						DRN		DATE		CHK		DATE	



NOT TO SCALE

- NOTES:
- THIS SHEET IS NOT A CERTIFIED DOCUMENT OF WORLDWIDE ENGINEERING GEO. DIV. INC.. GRADING PLAN IS THE PROPERTY OF THE CIVIL ENGINEER OF RECORD AND IS SHOWN FOR REFERENCE TO VIEW WALLS. LOCATE WALLS USING CIVIL ENGINEER'S DOCUMENTS ONLY.
  - 2018 IBC CODE REQUIRES SEGMENTAL RETAINING WALLS TO BE CERTIFIED AT THE END OF CONSTRUCTION. THE CERTIFYING FIRM SHALL BE UNDER CONTRACT AND ONSITE AT THE BEGINNING OF CONSTRUCTION.

						PLAN VIEW													
						Airlie at Wrightsville Sound Lots 35-37													
						RETAINING WALLS													
						Wilmington, NC													
						DESIGNED BY		MLK		DATE		1/18/21		APP'D BY		DATE			
						DRAWN BY		CCH		DATE		1/18/21		APP'D BY		DATE			
						SCALE		SEGMENTAL RETAINING WALL										REV	
NO.		DESIGNER: MICHAEL KISER PE				DRN		DATE		CHK		DATE							
		REVISIONS																	

The diagram illustrates a cross-section of a retaining wall with geogrid reinforcement. The wall is shown in profile, with the geogrid layers extending horizontally from the face of the wall. The wall is supported by a footing, and the top of the wall is capped. The diagram includes stationing from STA 0+00.0' to STA 1+56.75', with various dimensions and labels for components like 'CAPS (SEE DETAILS)', 'FOOTING (SEE DETAILS)', 'BEND (STA 0+27)', and 'MINIMUM ELEVATION FOR TOE OF WALL'.

Key features and dimensions shown in the diagram include:

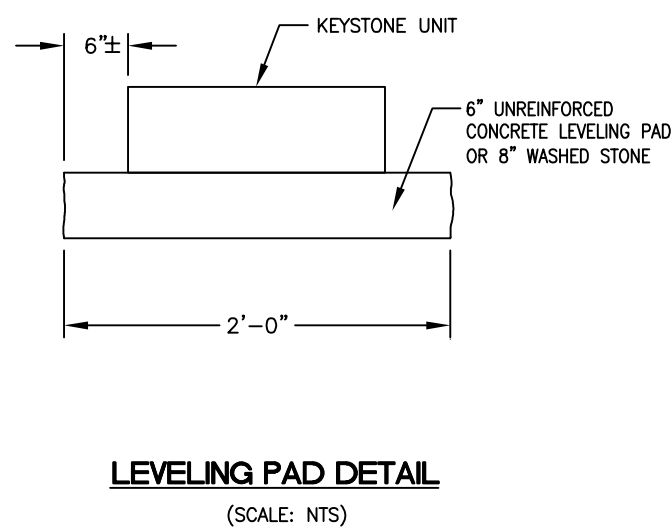
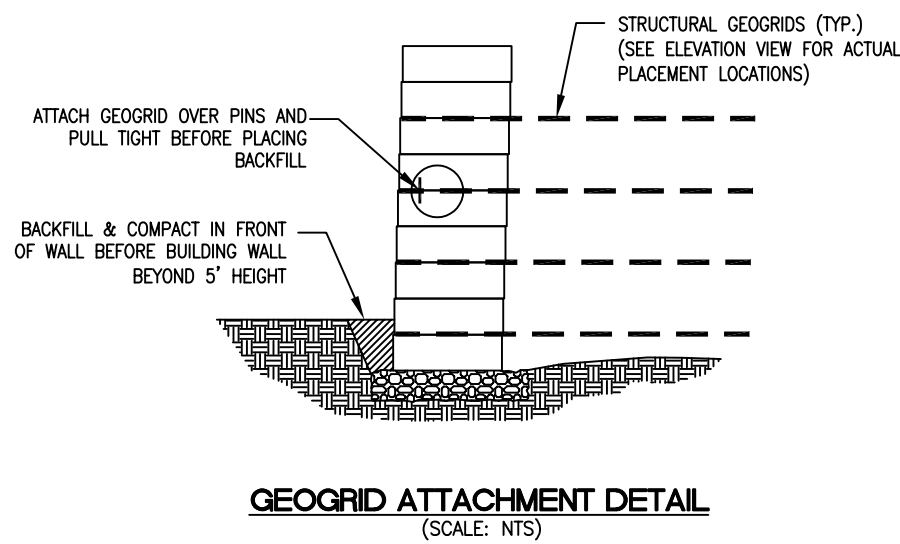
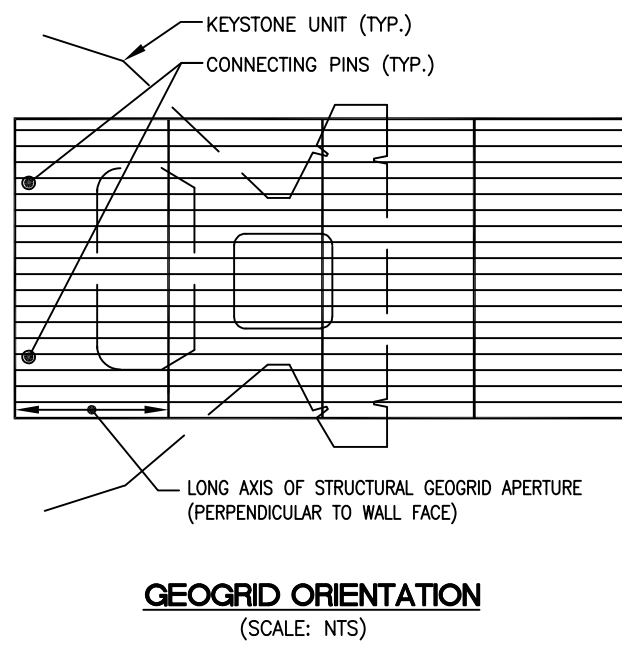
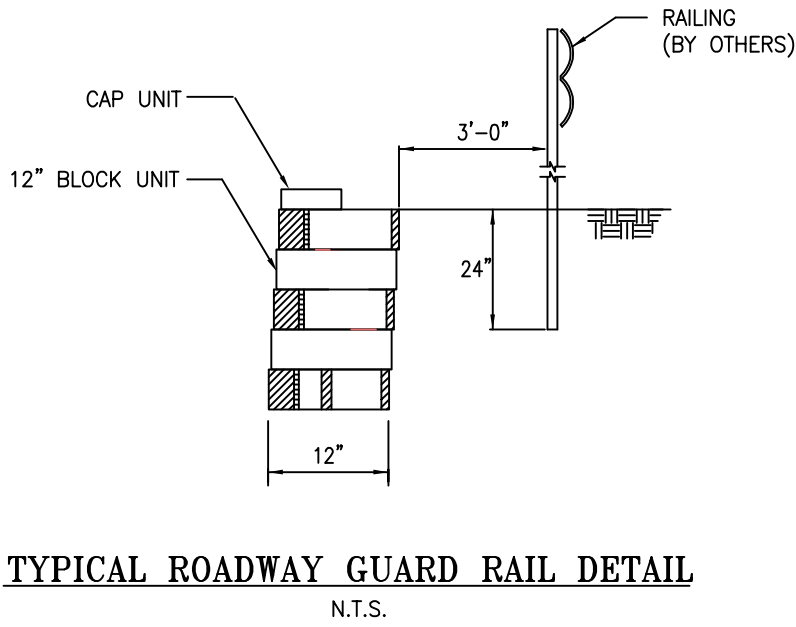
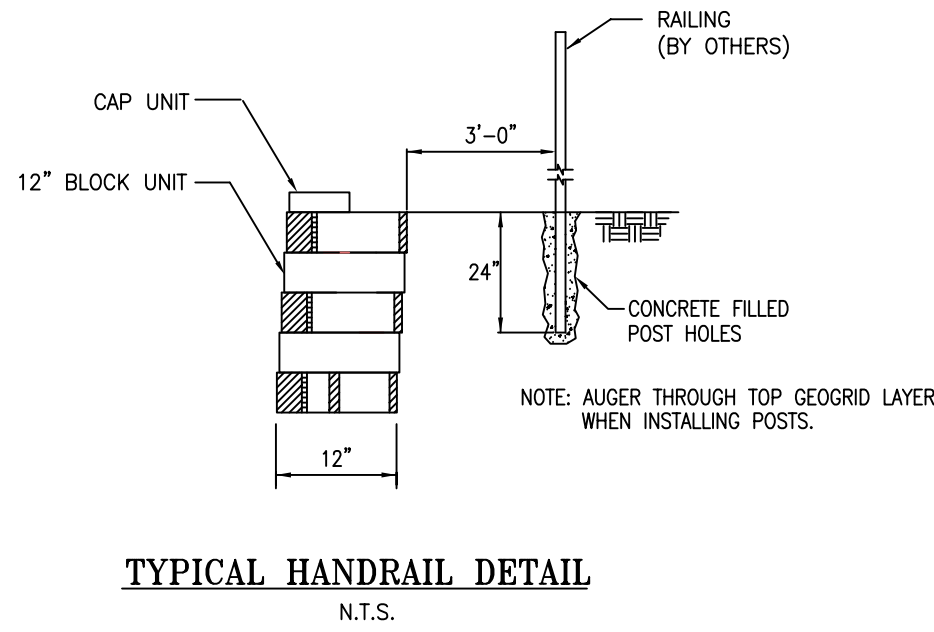
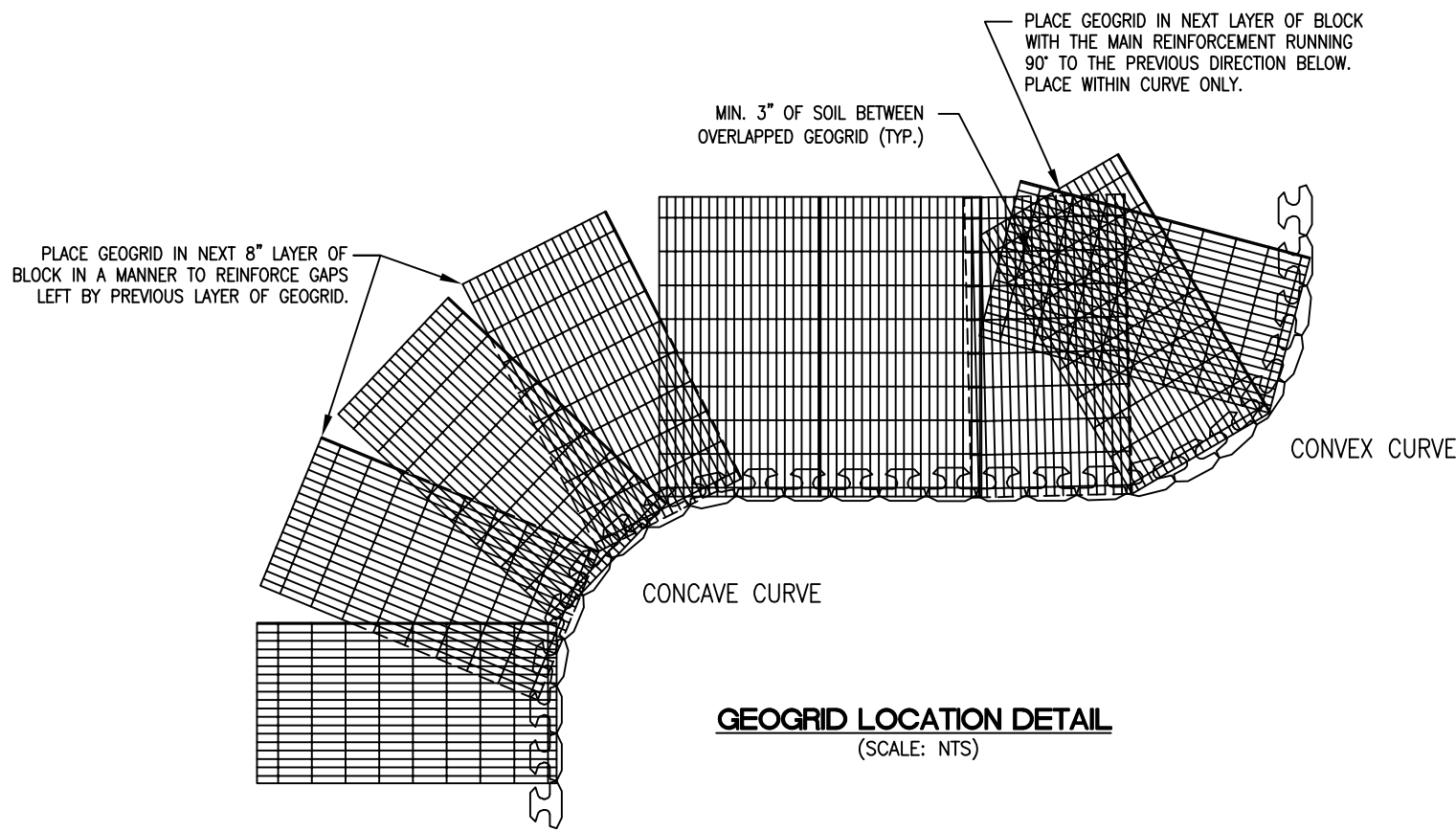
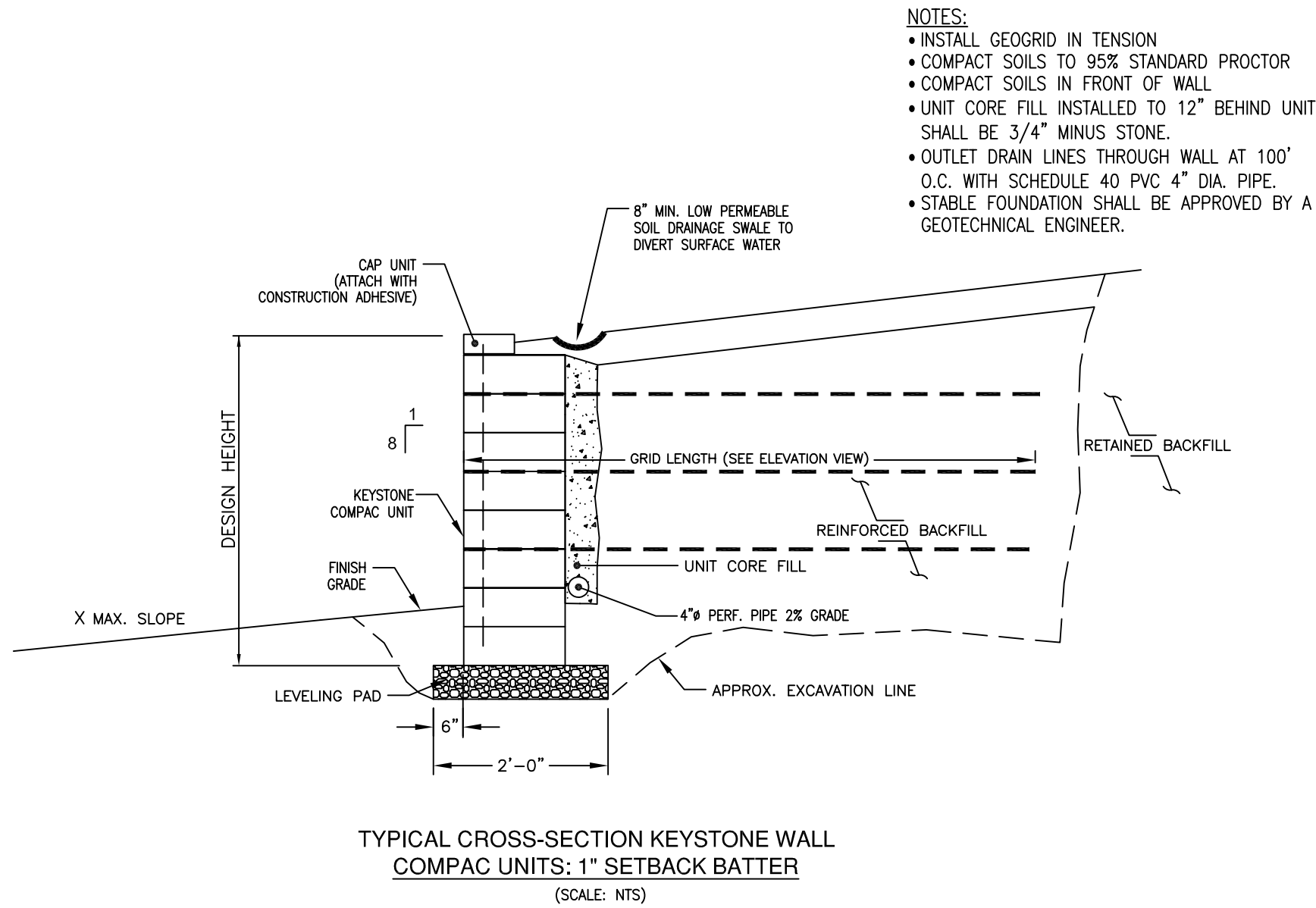
- Stationing:** STA 0+00.0', STA 0+09.75', STA 0+15.0', STA 0+18.75', STA 0+24.0', STA 0+42.75', STA 0+60.0', STA 0+78.75', STA 1+00.50', STA 1+25.25', STA 1+32.0', STA 1+48.50', STA 1+56.75'.
- Dimensions:** 5.5', 6.0', 7.0'.
- Labels:** CAPS (SEE DETAILS), FOOTING (SEE DETAILS), BEND (STA 0+27), MINIMUM ELEVATION FOR TOE OF WALL, GEOGRID EMBEDMENT LENGTH.

The profile view drawing illustrates the vertical alignment of a road section. The horizontal axis represents stationing, starting at STA. 1+56.75' and ending at STA. 1+12.75'. The vertical axis represents elevation in feet, ranging from 8.0 to 20.0. Two specific bend points are identified: 'BEND (STA 1+57.50)' and 'BEND (STA 1+88)'. The profile consists of multiple horizontal segments at various elevations, connected by vertical curves. The elevations of the segments are approximately 10.0, 12.0, 14.0, 16.0, 18.0, and 20.0 feet. The drawing also shows a dashed line representing the proposed grade or centerline.

					<h1 style="text-align: center;">ELEVATION VIEW</h1>				
					Airrie at Wrightsville Sound Lots 35-37 <h2 style="text-align: center;">RETAINING WALLS</h2> <h3 style="text-align: center;">Wilmington, NC</h3>				
					DESIGNER: <b>MLK</b> DATE: <u>1/18/21</u> REV: _____ DATE: _____ <b>CCR</b> DATE: <u>1/18/21</u> REV: _____ DATE: _____				
					SCALE: _____ SEGMENTAL RETAINING WALL _____ REC: _____				
NO. _____ REVISIONS _____					DRN _____ DATE _____ CHK _____ DATE _____				
DESIGNER: <b>MICHAEL KISER PE</b>									



*Michael Kiser*  
1/18/21



DETAILS									
Airle at Wrightsville Sound Lots 35-37									
RETAINING WALLS									
Wilmington, NC									
DESIGNED BY	MLK	DATE	1/18/21	APP		DATE			
DRAWN BY	CCH	DATE	1/18/21	APP		DATE			
SCALE									
NO.	REVISIONS	DRN	DATE	CHK	DATE	SEGMENTAL RETAINING WALL			

**WORLDWIDE**  
**ENGINEERING**  
CONSULTING ENGINEERS & PLANNERS

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ENGINEER  
MICHAEL KISER

Michael Kiser  
1/18/21

