

DRAIN INCLINATION ANGLE (TYP)

GEOTECHNICAL

ENGINEER

042642

08/01/2022

DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED

ENGINEER

(SEE NOTE 1)

SEAL ALL AROUND DRAIN PIPE SCHEDULE 40 OR 80

ORILL HOLE LENGTH (SEE NOTE 1)

DRILL HOLE LENGTH (SEE NOTE 1)

PIPE END CAP

ORIGINATION PIPE SCHEDULE 40 OR 80

ORILL HOLE LENGTH (SEE NOTE 1)

PIPE END CAP

SCHEDULE 40 OR 80

ORILL HOLE LENGTH (SEE NOTE 1)

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ORILL HOLE LENGTH (SEE NOTE 1)

PIPE END CAP

SCHEDULE 40 OR 80

ORILL HOLE LENGTH (SEE NOTE 1)

SOLID PVC EXTENSION*

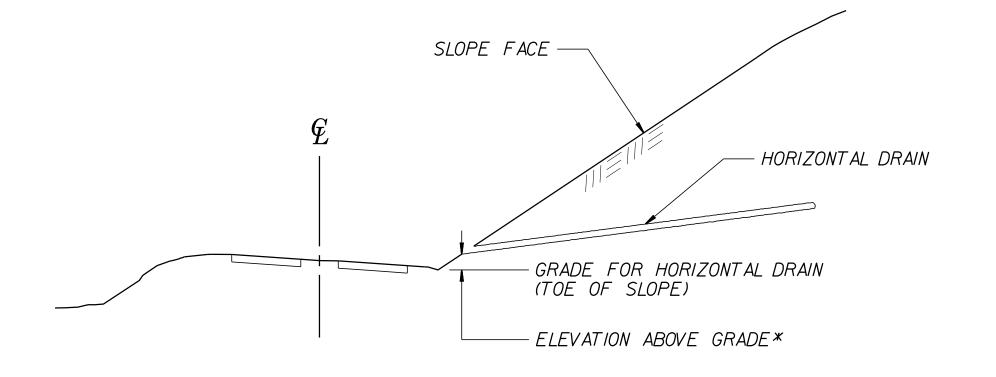
SOLID PVC SECTION = 10'

SLOPE HORIZONTAL DRAIN

*EXTEND SOLID PVC SECTION TO CONNECT PIPE TO A DRAINAGE SYSTEM OR DISCHARGE WATER AS DIRECTED

NOTES:

- I. SEE ROADWAY SUMMARY SHEETS FOR APPROXIMATE KNOWN HORIZONTAL DRAIN LOCATIONS, ELEVATIONS, INCLINATION AND LENGTHS. ADDITIONAL DRAINS MAY BE REQUIRED AS DETERMINED BY THE ENGINEER.
- 2. DRAIN PIPES MAY BE OMITTED FOR SOME HORIZONTAL DRAINS. SEE ROADWAY SUMMARY SHEETS FOR DRAIN PIPE REQUIREMENTS INCLUDING THOSE DRAINS WITHOUT PIPES.
- 3. FOR HORIZONTAL DRAINS, SEE HORIZONTAL DRAINS SPECIAL PROVISION (GT-6).



*SEE NOTE 1 FOR DRAIN ELEVATIONS ABOVE (OR BELOW) GRADE

PROJECT NO.: A-0009CC

GRAHAM COUNTY

RETAINING WALL #21: _-L- 420+39, 42' LT TO 436+65, 45' LT

SHEET 5 OF 5

Prepared in the Office of:

CAROLINAS
GEOTECHNICAL
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DIVIS OF THE PROPERTY OF THE P

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

GEOTECHNICAL ENGINEERING UNIT

RETAINING WALL #21	
SOIL NAIL RETAINING	WALL

 REVISIONS
 SHEET NO.

 D.
 BY
 DATE
 NO.
 BY
 DATE
 NO.

 3
 4
 W21-5

PREPARED BY: R. KRAL

DATE: 8/1/2022

REVIEWED BY: M. BREWER

DATE: 8/1/2022