

RETAINING WALL HORIZONTAL DRAIN

DRAIN INCLINATION ANGLE (TYP) (SEE NOTE 1) SLOPE FACE DRILL HOLE LENGTH (SEE NOTE 1) PVC DRAIN PIPE, SCHEDULE 40 OR 80 - PIPE END CAP -(SEE NOTE 2)-SLOTTED PVC SECTION = DRAIN PIPE LENGTH REQUIRED - 10' - EXTENSION SEAL ALL AROUND DRAIN PIPE WITH A METHOD ACCEPTABLE TO THE ENGINEER SOLID PVC SECTION = 10' SOLID PVC EXTENSION* SLOPE FACE -- HORIZONTAL DRAIN SLOPE HORIZONTAL DRAIN *EXTEND SOLID PVC SECTION TO CONNECT PIPE TO A -GRADE FOR HORIZONTAL DRAIN DRAINAGE SYSTEM OR DISCHARGE WATER AS DIRECTED (TOE OF SLOPE) - ELEVATION ABOVE GRADE*

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

GEOTECHNICAL

ENGINEER

042642

08/01/2022

DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED

ENGINEER

GRAHAM COUNTY

STATION: -Y2- 58+90, 39' LT TO 66+83, 39' LT SHEET 7 OF 7

RETAINING WALL #32

NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

GEOTECHNICAL ENGINEERING UNIT

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SHEET	REVISIONS						
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W32-7			3			1	
VV32-1			4			2	

Prepared in the Office of:



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DATE: 7/10/2022