

July 9, 2026

WBS Number: 46978.1.1
TIP Number: R-5810
County: Martin
Description: US 17 from North of SR 1205 (Holly Creek Blvd) to SR 1119 (Ralph Taylor Rd)

Subject: Temporary Shoring Recommendations

For the referenced project, the following locations have temporary shoring proposed:

Table 1: Temporary Shoring Locations

Shoring Location No.	Begin Station & Offset	End Station & Offset	Average Shoring Height (ft)	Estimated Maximum Height (ft)	Shoring Location, Type, Traffic Control Plan
1	-L- STA 23+90 30.2 FT RT	-L- STA 24+40 30.0 FT RT	5.9	9.0	Roadway -L- Pipe Installation (Cut, TC Phase I, TMP-05A)
2	-L- STA 23+90 26.4 FT RT	-L- STA 24+40 26.0 FT RT	5.9	9.0	Roadway -L- Pipe Installation (Cut, TC Phase I, TMP-05A)

The following notes on plans are recommended for the proposed shoring locations:

Shoring Location No. 1:

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

TEMPORARY SHORING IS REQUIRED FOR THE PIPE INSTALLATION FROM STATION -L- STA 23+90±, 30.2 FT RT TO STATION -L- 24+40±, 30.0 FT RT.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

→ NO SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -L- STA 23+90±, 30.2 FT RT TO STATION -L- 24+40±, 30.0 FT RT. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

Soil Properties added to Location No.1.

→ AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- STA 23+90±, 30.2 FT RT TO STATION -L- 24+40±, 30.0 FT RT. STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

Note about temporary Wall has been added.

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION -L- STA 23+90±, 30.2 FT RT TO STATION -L- 24+40±, 30.0 FT RT. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

Shoring Location No. 2: Please apply the same comments mentioned on Shoring Location No. 1.

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

Soil Properties added to Location No.2.

TEMPORARY SHORING IS REQUIRED FOR THE PIPE INSTALLATION FROM STATION -L- STA 23+90±, 26.4 FT RT ~~and~~ -L- STA 24+40±, 26.0 FT RT.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

NO SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -L- STA 23+90±, 26.4 FT RT ~~and~~ -L- STA 24+40±, 26.0 FT RT. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

Note about temporary
Wall has been added.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- STA 23+90±, 26.4 FT RT ~~and~~ -L- STA 24+40±, 26.0 FT RT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING. ✓

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION -L- STA 23+90±, 26.4 FT RT ~~and~~ -L- STA 24+40±, 26.0 FT RT. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION. ✓

~~Temporary shoring shall be designed and constructed in accordance with the NCDOT Standard Shoring Provision and Temporary Shoring Special Provision. These provisions are recommended to be included in the project contract.~~

Prepared by,

Revised based on
NCDOT's comment.

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ATTACHMENTS:

- Standard Shoring Provision
- Temporary Soil Nail Walls Provision
- NCDOT Standard Detail 1801.01