

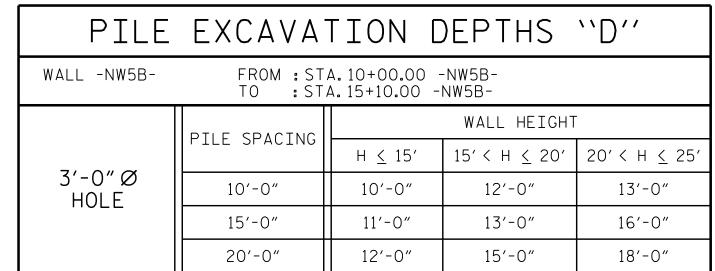
© CONCRETE →

CONCRETE PILE —

0° TO 15° TURNS

(PILE TYPE I)

PILE



THE STANDARD SOUND BARRIER WALL FOUNDATION TABLES ARE BASED ON 36"DIA. HOLES. FOR 30"DIA. HOLES, ADD 1 FT TO PILE EXCAVATION DEPTHS (D).

NOTES

FOR SOUND BARRIER WALL, SEE SPECIAL PROVISIONS.

CONSTRUCT SOUND BARRIER WALL TO LINES AND GRADES SHOWN ON THE ROADWAY PLANS.

PROVIDE PANELS WITH A FLAT BOTTOM.

VERIFY THE LOCATION OF UNDERGROUND UTILITIES BEFORE DRILLING HOLES TO ENSURE SUFFICIENT CLEARANCE IS AVAILABLE.

ADJUST PILE EXCAVATION ELEVATIONS TO MAINTAIN 6"MINIMUM EMBEDMENT OF THE BOTTOM PANEL.

USE CLASS AA FOR PANELS AND CLASS A CONCRETE PILE EXCAVATION BACKFILL, IN ACCORDANCE WITH ARTICLE 1000-4 OF THE STANDARD SPECIFICATIONS.

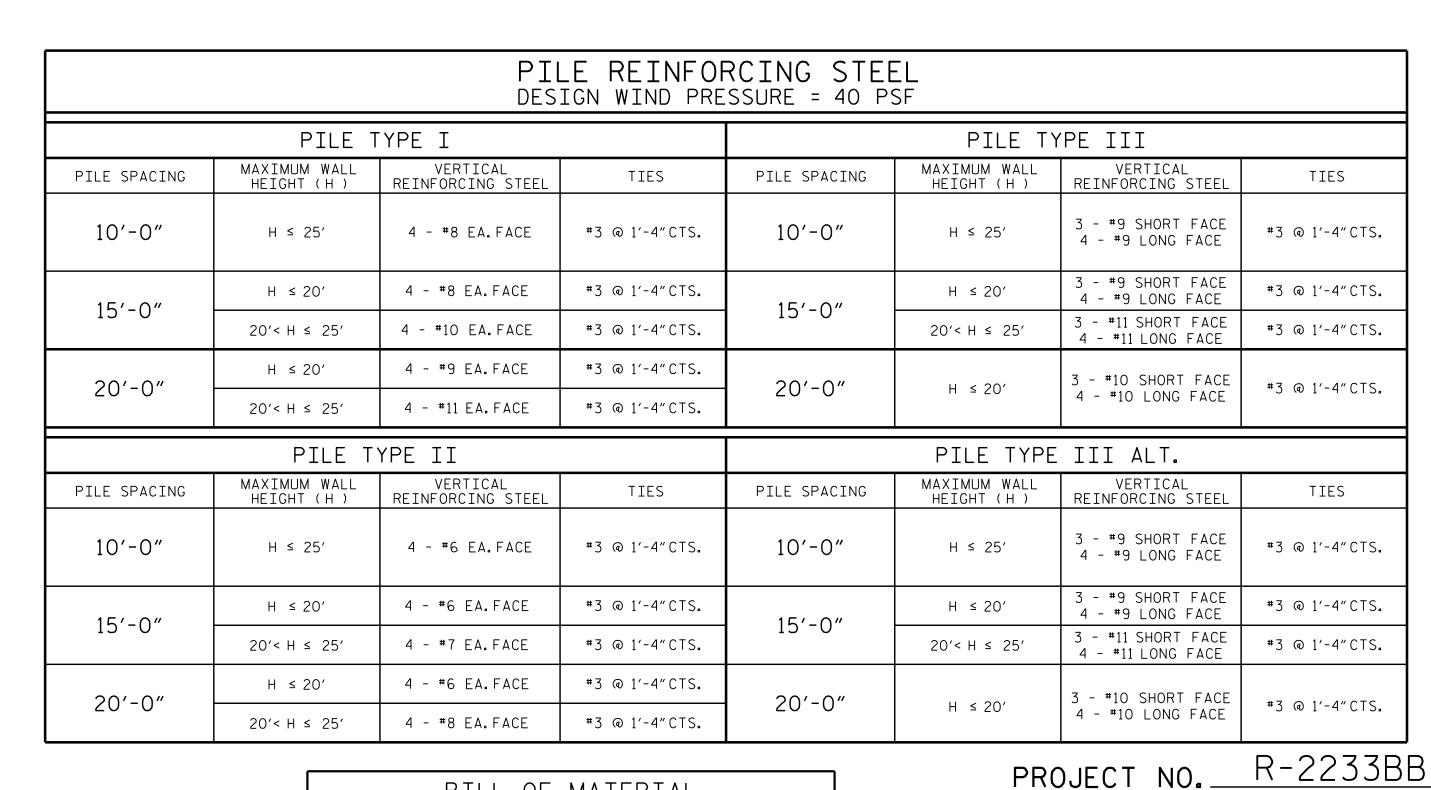
AT THE CONTRACTOR'S OPTION, USE 10'-0", 15'-0", OR 20'-0" PILE SPACINGS. STANDARD PRECAST CONCRETE PANELS MAY BE USED WITH THE 10'-0" AND 15'-0" PILE SPACING. FOR 20'-0" PILE SPACING, PANELS DESIGNED AND MANUFACTURED BY A THIRD PARTY VENDER SHALL BE USED.

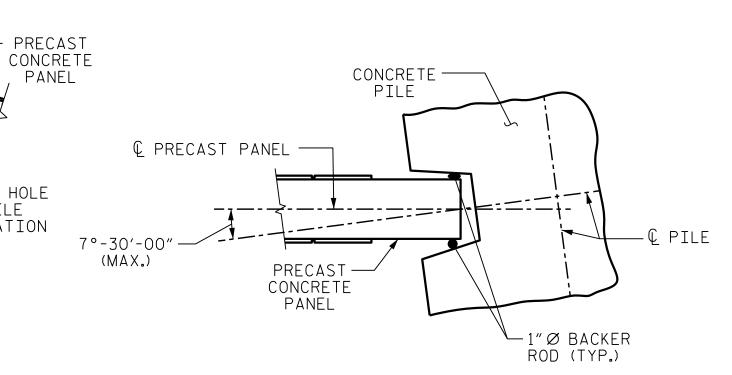
FOR SOUND BARRIER WALL STATIONS, OFFSETS, AND WALL ENVELOPE, SEE ROADWAY PLANS.

PLACE 1" Ø BACKER RODS FULL HEIGHT ON EACH SIDE OF THE PRECAST PANELS. SET AND SEAL THE BACKER ROD IN PLACE WITH SEALANT THAT CONFORMS WITH ARTICLE 1028-3 OF THE STANDARD SPECIFICATIONS.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.





PILE ROTATION LIMIT FOR WALL TURN

(ROTATE THE CONCRETE PILE ±7°-30'-00" TO ACCOMMODATE WALL TURN.)

BILL OF MATERIAL 8,208 S.F. SOUND BARRIER WALL ARCHITECTURAL SURFACE TREATMENT 13,302 S.F. QUANTITIES PROVIDED ARE APPROXIMATE AND ARE FOR BID PURPOSES ONLY.

ARCHITECTURAL SURFACE TREATMENT DRY STACK STONE FORMLINER TEXTURE OPTION: DARK GRAY (FS 26008) STAIN OPTION:

MODJESKI and MASTERS 333 FAYETTEVILLE STREET, SUITE 500

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL P 032967 4/24/2020 Jason R Doughty

SOUND BARRIER WALL No.-NW5B-

RUTHERFORD

STATION:

SHEET 2 OF 8

SHEET NO REVISIONS NO. BY: SW-2DATE: BY: DATE: TOTAL SHEETS ----5F73FA2DEA974E8..

STD. NO. SBW1

COUNTY

813+78.54 -L3- =

10+00 -NW5B-

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

STANDARD

DESIGNED BY: C. CORMAN K. WHITE DRAWN BY: M. NIFONG CHECKED BY: DESIGN ENGINEER OF RECORD:

PRECAST CONCRETE PANEL

. DATE : APR 2020

© CONCRETE

PILE

CONCRETE PILE

_ DATE : <u>APR 2020</u> _ DATE : <u>APR 2020</u>

_ DATE : <u>APR 2020</u>

15° TO 45° TURNS

(PILE TYPE III)

DRAWN BY: MAA 6/II CHECKED BY : GM 6/II

TYPICAL WALL TURN DETAILS

- PRECAST CONCRETE

PANEL

— CONCRETE SHIM BLOCK

3'-0" Ø HOLE

FOR PILE EXCAVATION

MAA/TMG REV.10/17 REV.5/18 MAA/THC MAA/THC

- CONCRETE

SHIM BLOCK

3'-0" Ø HOLE

FOR PILE EXCAVATION

RALEIGH, NC 27601 NC LICENSE NO. C-2979