© CONCRETE

PILE

CONCRETE PILE

15° TO 45° TURNS

(PILE TYPE III)

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

. DATE : APR 2020

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

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

PRECAST CONCRETE PANEL

DESIGNED BY:

DESIGN ENGINEER OF RECORD:

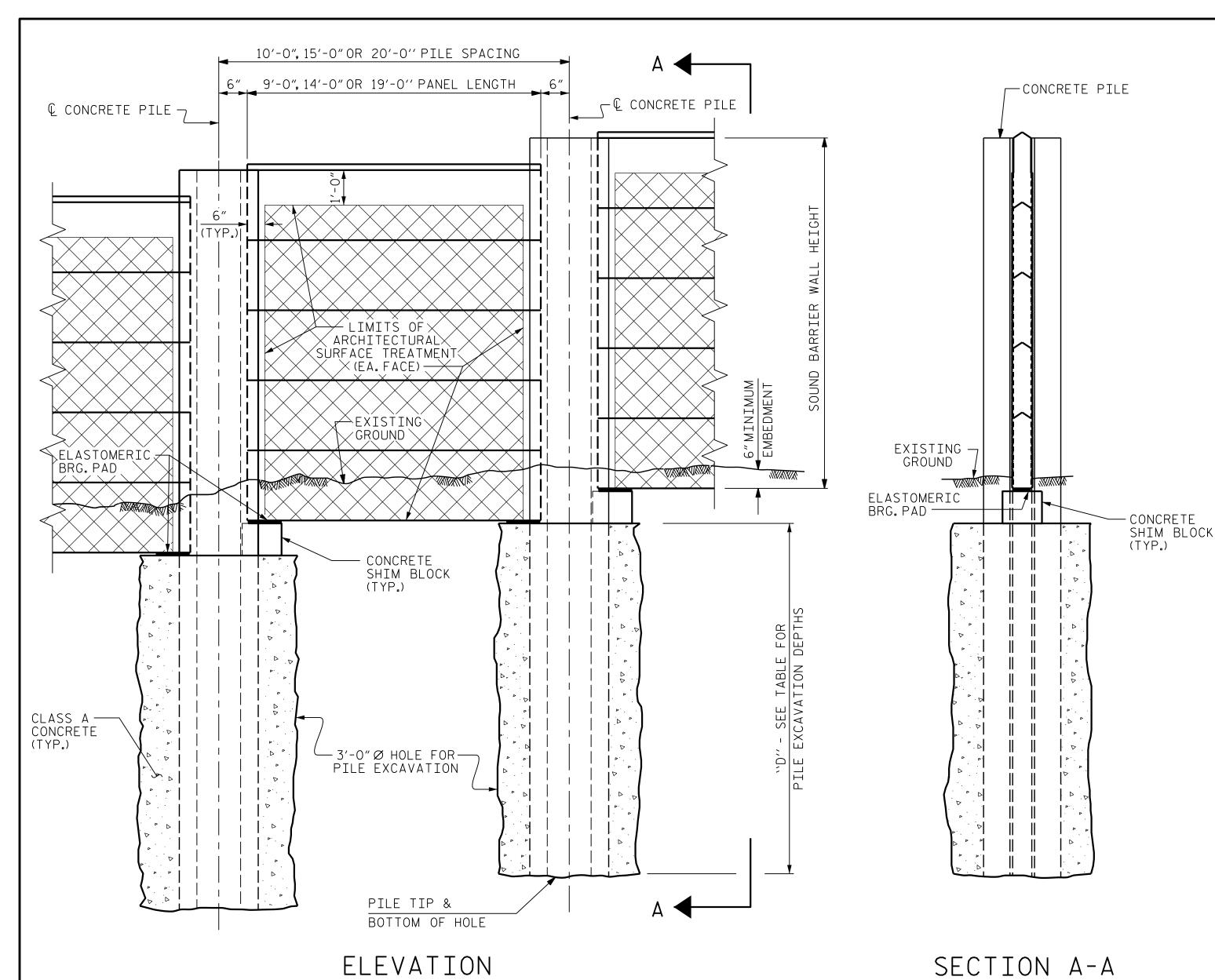
DRAWN BY:

CHECKED BY:

C. CORMAN

K. WHITE

M. NIFONG



© CONCRETE →

CONCRETE PILE —

MAA/TMG

MAA/THC

MAA/THC

0° TO 15° TURNS

(PILE TYPE I)

- CONCRETE

SHIM BLOCK

PILE

- PRECAST CONCRETE

PANEL

TYPICAL WALL TURN DETAILS

REV.10/17 REV.5/18

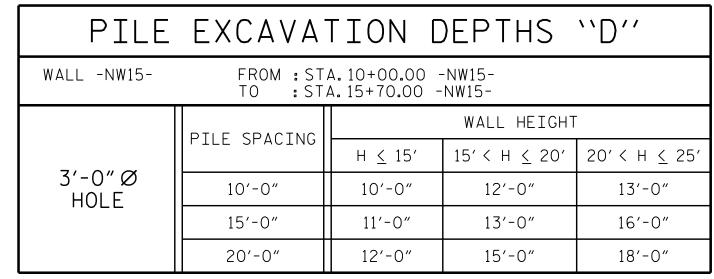
— CONCRETE SHIM BLOCK

3'-0" Ø HOLE

FOR PILE EXCAVATION

DRAWN BY: MAA 6/II

CHECKED BY : GM 6/II



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.

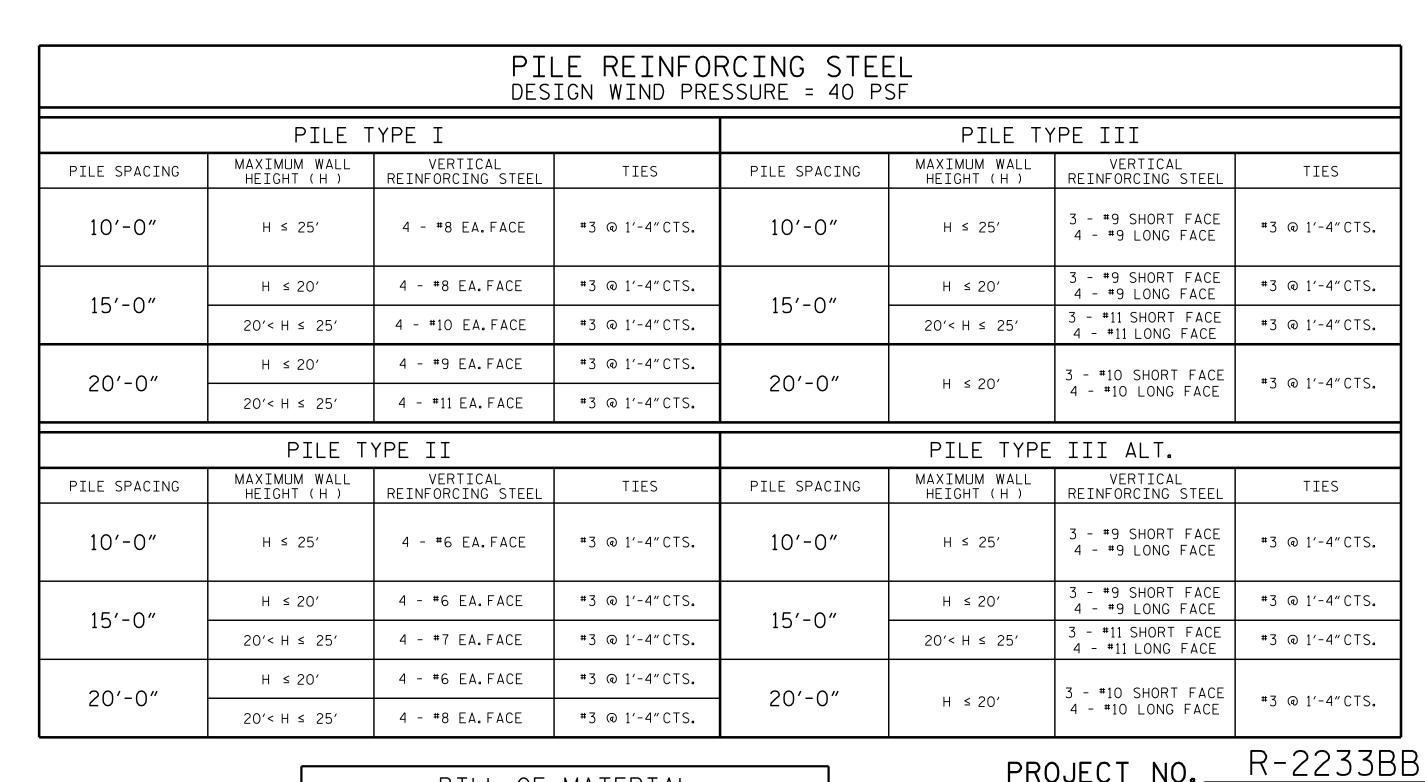
AT THE CONTRACTOR'S OPTION, USE 10'-0", 15'-0", OR 20'-0" PILE SPACINGS. STANDARD PRECAST CONCRETE PANELS MAY BE USED WITH THE 10'-0" AND 15'-0" PILE SPACING. FOR 20'-0" PILE SPACING, PANELS DESIGNED AND MANUFACTURED BY A THIRD PARTY VENDER SHALL BE USED.

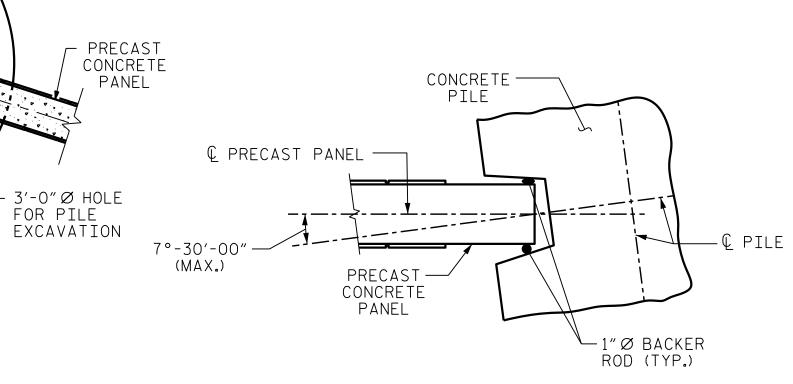
FOR SOUND BARRIER WALL STATIONS, OFFSETS, AND WALL ENVELOPE, SEE ROADWAY PLANS.

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 7,308 S.F. SOUND BARRIER WALL ARCHITECTURAL SURFACE TREATMENT 11,648 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 RALEIGH, NC 27601 NC LICENSE NO. C-2979

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED** 

916+96.43 -L3- = STATION: 10+00 -NW15-SHEET 6 OF 8 STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

RUTHERFORD

PROJECT NO.\_

SEAL P

032967

SOUND BARRIER WALL No.-NW15-

STANDARD

4/24/2020 SHEET NO. REVISIONS NO. BY: DATE: BY: DATE: Jason R Doughty ----5F73FA2DEA974E8..

SW-6 TOTAL SHEETS

STD.NO.SBW1

COUNTY