DRAWN BY :

DESIGN ENGINEER OF RECORD: _

MGC

STIF TO (HOOK FOR SPEC ALL PAY COLU * INVE THE DRIL LINE ABOY CON' 1 FO THE THE DETA

NOTES

STIRRUPS IN CAP MAY BE SHIFTED AS NECESSARY TO CLEAR ANCHOR BOLTS.

HOOKS ON "V" BARS MAY BE TURNED AS NECESSARY FOR PLACING REINFORCING STEEL.

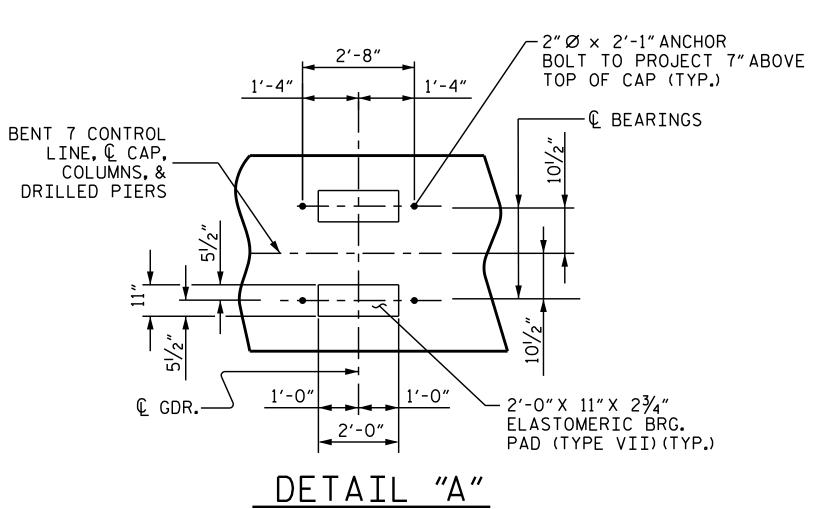
FOR DRILLED PIERS, SEE SECTION 411 OF THE STANDARD SPECIFICATIONS.

ALL STEEL IN THE DRILLED PIERS IS INCLUDED IN THE PAY ITEMS FOR "REINFORCING STEEL" AND "SPIRAL COLUMN REINFORCING STEEL."

★ INVERT ALTERNATE STIRRUPS.

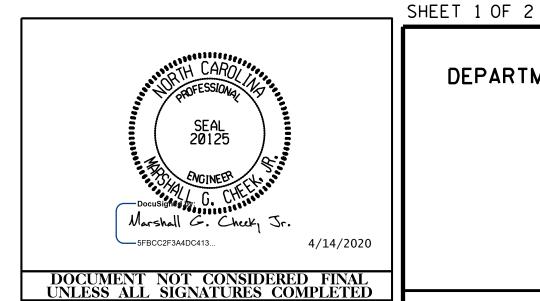
THE LOCATION OF THE CONSTRUCTION JOINT IN THE DRILLED PIERS IS BASED ON AN APPROXIMATE GROUND LINE ELEVATION. IF THE CONSTRUCTION JOINT IS ABOVE THE ACTUAL GROUND LINE ELEVATION, THE CONTRACTOR SHALL PLACE THE CONSTRUCTION JOINT 1 FOOT BELOW THE GROUND LINE.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE LONGITUDINAL REINFORCEMENT FOR DRILLED PIERS IS DETAILED WITH 3 FEET OF EXTRA LENGTH.



DIMENSIONS ARE TYPICAL FOR EACH BEARING.

PROJECT NO. B-5825
YADKIN/FORSYTH COUNTY
STATION: 34+65.50-L-



TGS ENGINEERS 804–C N. LAFAYETTE ST SHELBY, NC 28150 PH (704) 476–0003 CORP. LICENSE NO.: C–0275 DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE

STATE OF NORTH CAROLINA

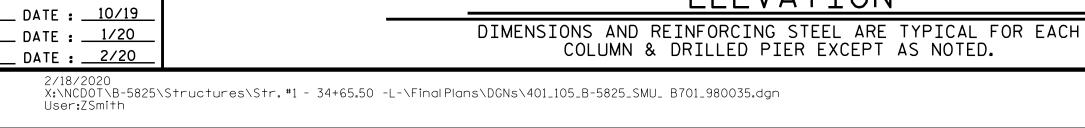
BENT No. 7

REVISIONS

NO. BY: DATE: NO. BY: DATE: S-51

1 3 5 50

2 60



5'-0"Ø DRILLED PIER 30'-10"

4'-5"

€ GDR.G3-

PLAN

EL. 768.22

#5 B3 |

★7-#5 S2

@ 1'-0" CTS.

20'-0"

ELEVATION

(EA.FACE)

6′-3″

8-#11 B1 —

★9-#5 S1

IN PAIRS

@ 6"CTS.

PERMITTED — CONST. JT. (TYP.)

CONST. JT. — (TYP.)

APPROVED BAR -SUPPORT (TYP.

EA. M1 BAR)

10'-0"

3"HIGH BEAM BOLSTERS
@ 5'-0"CTS.

-90°-00′-00"

(TYP.)

4'-5"

— € GDR.H2

W.P. #8 —

6'-3"

7-#4 U1 @ 6"CTS.

B◀

★9-#5 S1

IN PAIRS

@ 6"CTS.

10'-0"

—— & COLUMN & DRILLED PIER No.1

16-**#**11 V1

4'-6"Ø

COLUMN

15'-5"

-⊈ GDR.H3

8'-10"

© GDR. H4 —

— SEE DETAIL "A"

∕—8-**#**11 B2

€ GDR. G4-

★4-#5 S1

IN PAIRS

@ 6"CTS.

—— © COLUMN & DRILLED PIER No.2

TOP OF DRILLED PIER EL. 741.00 (TYP.)

BOTTOM OF DRILLED PIER EL. 712.50 (TYP.)

5′-5″

★2-#5 S2

|@ 8"CTS.

SPAN H

SPAN G

—EL. 768.00

15'-5"

8'-10"

___ € GDR. H1

BENT No.7 - CONTROL LINE

© GDR. G1

5-#4 U3

(TYP. EA. END)

★2-#5 S2

@ 8"CTS.

★4-#5 S1

IN PAIRS

@ 6"CTS.

10'-4" SPLICE '-4" MIN. SPLICE) (TYP.)

5′-5"

16-#11 M1

EL. 768.00 —

EL. 762.00 (LEVEL) 7-#4 U1 @ 6"CTS.►