Docusign Envelope ID: 7E5A0646-131A-4360-BE35-D319DA5125A2

11/14/23

NOTE:
UTILIZE SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

NOTE:
ALL IN-STREAM WORK SHALL BE PERFORMED IN THE DRY

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

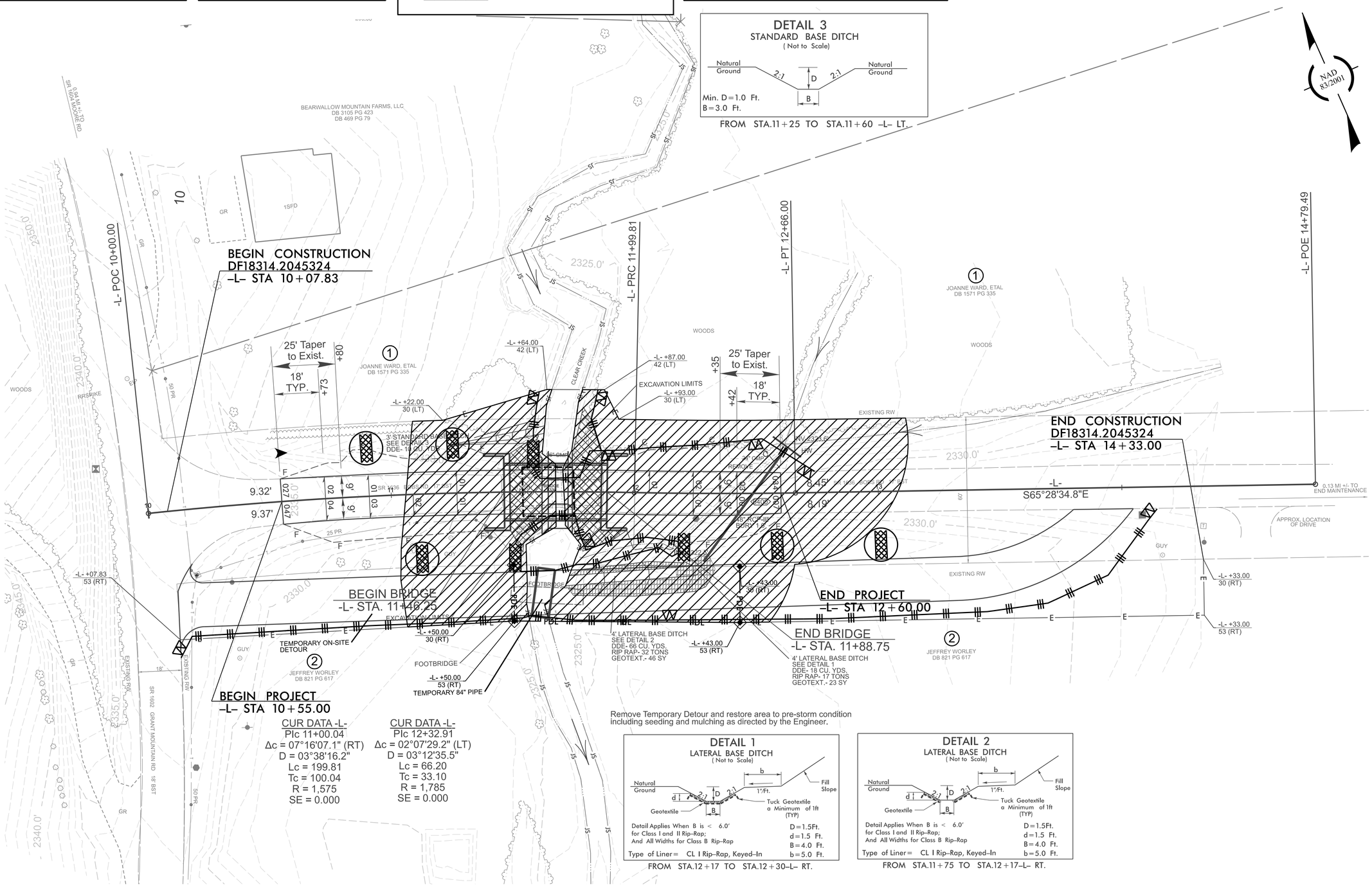
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 04

DETAIL 3
STANDARD BASE DITCH
(Not to Scale)

Min. D = 1.0 Ft.
B = 3.0 Ft.

FROM STA.11 + 25 TO STA.11 + 60 –L– LT.



CUR DATA -L-
PIc 11+00.04
Δc = 07°16'07.1" (RT)
D = 03°38'16.2"
Lc = 199.81
Tc = 100.04
R = 1,575
SE = 0.000

CUR DATA -L-
PIc 12+32.91
Δc = 02°07'29.2" (LT)
D = 03°12'35.5"
Lc = 66.20
Tc = 33.10
R = 1,785
SE = 0.000

Remove Temporary Detour and restore area to pre-storm condition including seeding and mulching as directed by the Engineer.

DETAIL 1
LATERAL BASE DITCH
(Not to Scale)

Detail Applies When B is < 6.0' for Class I and II Rip–Rap; And All Widths for Class B Rip–Rap

D = 1.5Ft.
d = 1.5 Ft.
B = 4.0 Ft.
b = 5.0 Ft.

Type of Liner = CL I Rip–Rap, Keyed–In

FROM STA.12 + 17 TO STA.12 + 30–L– RT.

DETAIL 2
LATERAL BASE DITCH
(Not to Scale)

Detail Applies When B is < 6.0' for Class I and II Rip–Rap; And All Widths for Class B Rip–Rap

D = 1.5Ft.
d = 1.5 Ft.
B = 4.0 Ft.
b = 5.0 Ft.

Type of Liner = CL I Rip–Rap, Keyed–In

FROM STA.11 + 75 TO STA.12 + 17–L– RT.

DF18314.2045324

EC-04/CONST.04

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
HENDERSON COUNTY

ROADWAY DESIGN UNIT

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PREPARED BY

TGS ENGINEERS
201 W. MARION, ST. STE 200
SHELBY, NC 28150
704-487-8678 FAX 704-487-8693
CORP. LICENSE NO.:C-0275

REVISIONS