PROJECT REFERENCE NO.	SHEET
B-5124	2G-1

GEOTECHNICAL ENGINEER

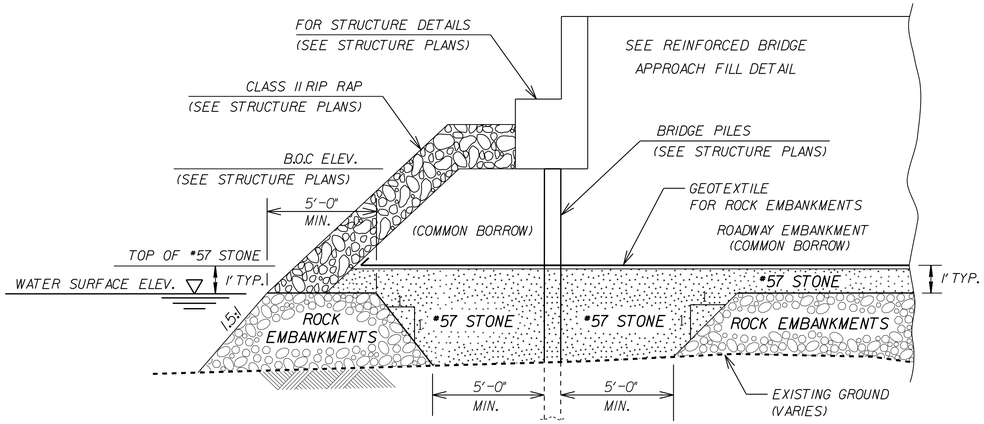
NORTH CAROLINA PROFESSIONAL SEAL 0930943 ENGINEER THEIN TUN ZAN

DocuSigned by: Thein Tun Zan 11/19/2014

A43658C0C1C1E7D... SIGNATURE DATE

ENGINEER

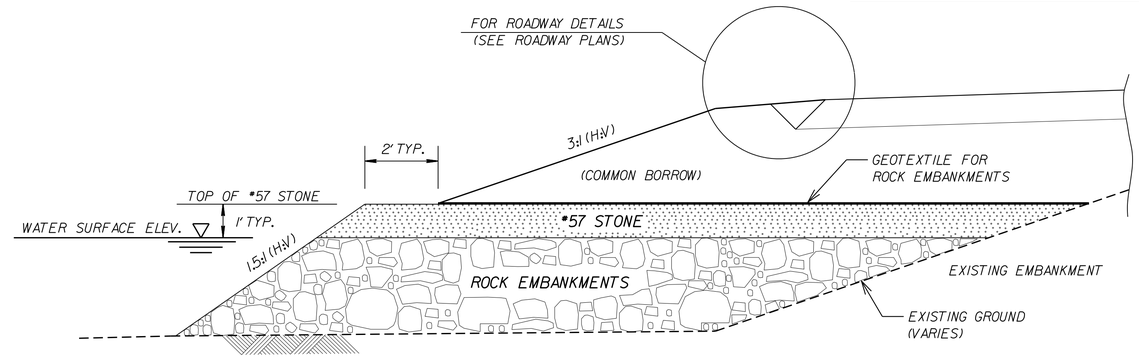
SIGNATURE DATE



ROCK EMBANKMENT DETAIL AT END BENTS (TYP. ELEV. VIEW)

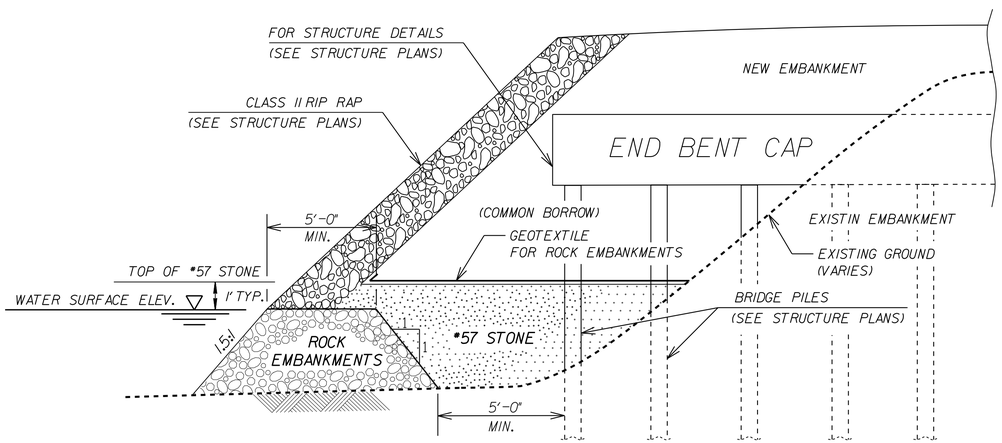
(AT BRIDGE STA. 22+49.00 -L-, 36+85.00 -L- AND 54+85.50 -L-, ALONG LEFT SIDE OF -L-)

NOT TO SCALE



TYPICAL ROCK EMBANKMENT DETAIL

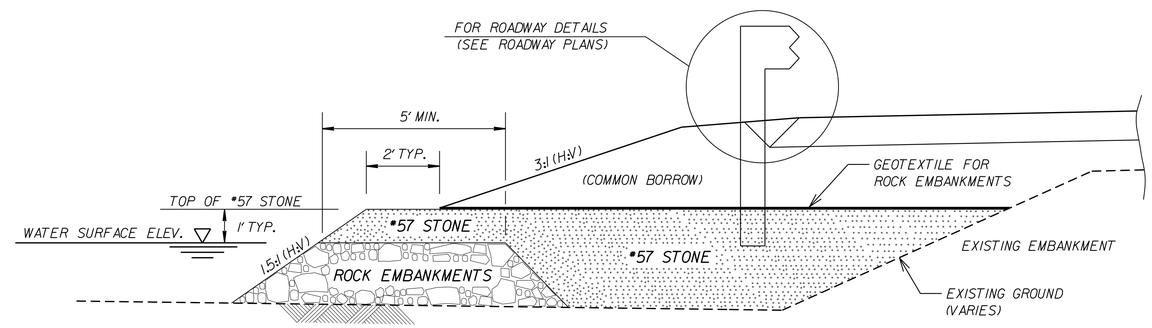
NOT TO SCALE



ROCK EMBANKMENT DETAIL AT END BENTS (TYP. SECTION VIEW)

(AT BRIDGE STA. 22+49.00 -L-, 36+85.00 -L- AND 54+85.50 -L-)

NOT TO SCALE



ROCK EMBANKMENT DETAIL AT GUARDRAIL LOCATIONS

NOT TO SCALE

NOTES:

FOR ROCK EMBANKMENTS, SEE ROCK EMBANKMENTS PROVISION (SPECIAL).

CONSTRUCT ROCK EMBANKMENTS AS SHOWN IN THIS PLAN AND IN ACCORDANCE WITH THE ROCK EMBANKMENTS PROVISION.

USE RIP RAP CLASS B FOR ROCK EMBANKMENTS UP TO WATER SURFACE ELEVATION.

RIP RAP CLASS B SHALL MEET THE GRADATION REQUIREMENTS IN SECTION 1042 OF THE STANDARD SPECIFICATIONS.

PLACE *57 STONE (SELECT MATERIAL, CLASS VI) UP TO 1 FT. ABOVE ROCK EMBANKMENTS AS SHOWN IN THIS PLAN.

NO. 57 STONE (SELECT MATERIAL, CLASS VI) SHALL MEET THE GRADATION REQUIREMENTS IN SECTION 1016 OF THE STANDARD SPECIFICATIONS.

INSTALL GEOTEXTILE ON TOP OF NO. 57 STONE IN ACCORDANCE WITH ARTICLE 270-3 OF THE STANDARD SPECIFICATIONS.

ESTIMATED MATERIAL QUANTITIES FOR ROCK EMBANKMENTS

ROCK EMBANKMENTS = 4,150 TONS

57 STONE (SELECT MATERIAL, CLASS VI) = 8,050 TONS

GEOTEXTILE FOR ROCK EMBANKMENTS = 8,120 SY

ROCK EMBANKMENTS LOCATION & ELEVATION TABLE

LOCATION	APPROX. BEGIN STA.	APPROX. END STA.	OFFSET	APPROX. *57 STONE (CLASS VI) ELEVATION
1	15+65 +/- -L-	16+97 +/- -L-	LEFT	91.4 FT.
2	17+39 +/- -L-	21+98 +/- -L-	LEFT	91.4 FT.
3	23+00 +/- -L-	36+33 +/- -L-	LEFT	91.4 FT.
4	37+45 +/- -L-	54+16 +/- -L-	LEFT	91.4 FT.
5	71+55 +/- -L-	74+12 +/- -L-	LEFT	90.3 FT.
6	74+38 +/- -L-	76+80 +/- -L-	LEFT	90.3 FT.

PREPARED BY:	T. T. ZAN	DATE: 11-2014
REVIEWED BY:	J. R. BATTS	DATE: 11-2014

GEOTECHNICAL ENGINEERING UNIT

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

[X] EASTERN REGIONAL OFFICE

[ ] WESTERN REGIONAL OFFICE

[ ] CONTRACT OFFICE

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

ROCK EMBANKMENT DETAILS

REVISIONS

NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		