PROJECT REFERENCE NO.	SHEET
R-2514D	2G-2

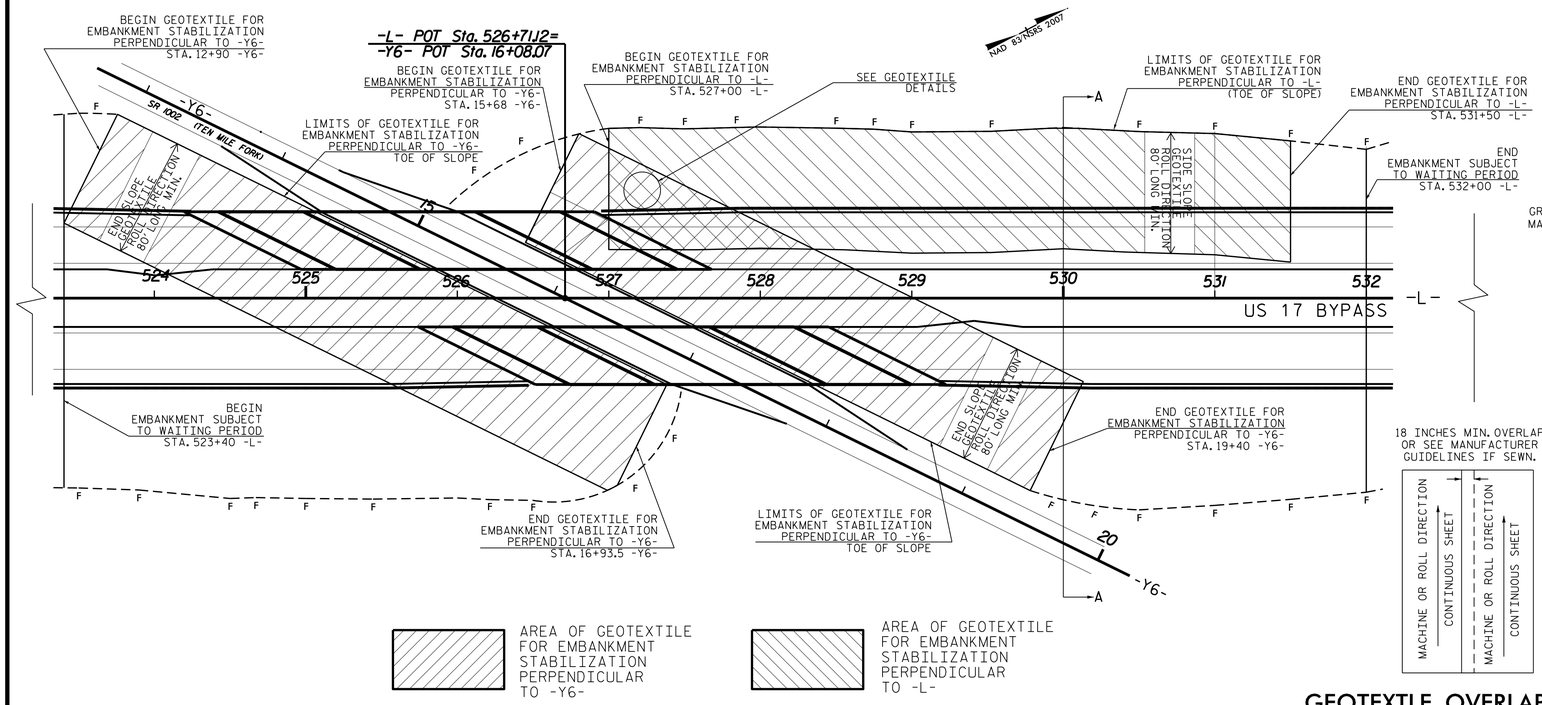
GEOTECHNICAL ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 038176 ENGINEER SHUHAI ZHANG

DocuSigned by: Shuhai Zhang 1/7/2015
24508D7E41814436
SIGNATURE DATE

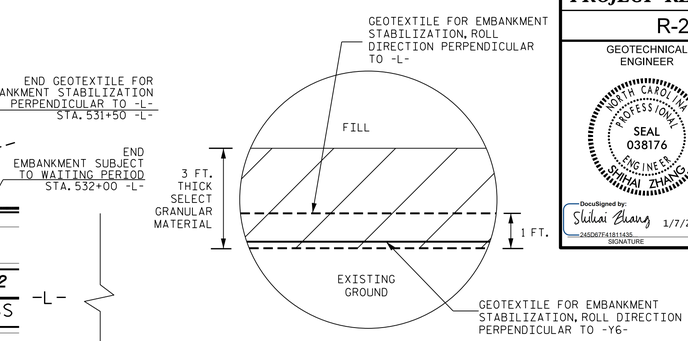
ENGINEER

SIGNATURE DATE



PLAN VIEW FOR LIMITS OF GEOTEXTILE

N.T.S.



GEOTEXTILE DETAILS

N.T.S.

GEOTEXTLE OVERLAP DETAIL

N.T.S.

QUANTITIES

GEOTEXTILE FOR EMBANKMENT STABILIZATION	10,900 SY#
SELECT GRANULAR MATERIAL	10,400 CY

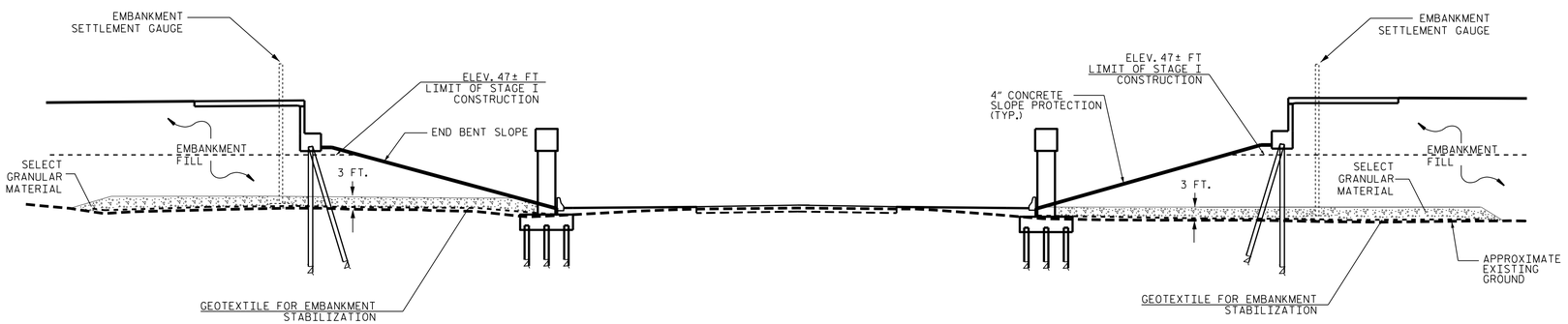
GEOTEXTILE FOR EMBANKMENT STABILIZATION ESTIMATED QUANTITY DOES NOT INCLUDE OVERLAPS OR WASTE.

NOTES

1. DO NOT GRUB, ONLY CLEAR THE AREA WITHIN THE LIMITS OF THE GEOTEXTILE FOR EMBANKMENT STABILIZATION.
2. FOR EMBANKMENT SETTLEMENT GAUGE, SEE "STANDARD EMBANKMENT MONITORING" - STANDARD DETAIL NO. 1804.01.
3. PLACE THE GEOTEXTILE WITHOUT ANY WRINKLES OR CREASES.
4. GEOTEXTILE FOR EMBANKMENT STABILIZATION SHEETS MUST HAVE A CONTINUOUS LENGTH OF 80 FT. MINIMUM. NO SEAMS OR JOINTS ARE ALLOWED IN THE MACHINE DIRECTION OF GEOTEXTILE.
5. THE TERMS ROLL AND MACHINE DIRECTION ARE USED INTERCHANGEABLY.
6. FOR GEOTEXTILE FOR EMBANKMENT STABILIZATION , SEE GEOTEXTILE FOR EMBANKMENT STABILIZATION SPECIAL PROVISION.
7. PERMANENT SOIL REINFORCEMENT MATTINGS ARE REQUIRED FOR SLOPES STEEPER THAN 3:1 (H:V) FROM STA. 527+00± -L- TO 532+50± -L-. FOR PERMANENT SOIL REINFORCEMENT MATTING, SEE PERMANENT SOIL REINFORCEMENT MAT PROVISION.
8. FOR SELECT GRANULAR MATERIAL, SEE SECTION 265 OF THE STANDARD SPECIFICATIONS.

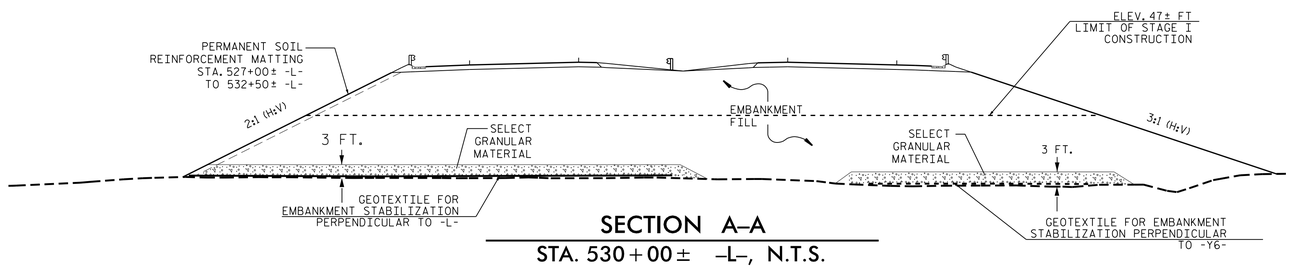
CONSTRUCTION SEQUENCE

1. PLACE GEOTEXTILE FOR EMBANKMENT STABILIZATION.
2. PLACE EMBANKMENT SETTLEMENT GAUGES.
3. PLACE AND COMPACT SELECT GRANULAR MATERIAL.
4. CONSTRUCT THE EMBANKMENT TO ELEVATION 47.0 FT FROM STA. 523+40 -L- TO STA. 532+00 -L-.
5. OBSERVE A TWO MONTHS WAITING PERIOD.
6. CONSTRUCT THE EMBANKMENT TO FINISHED GRADE FROM STA. 523+40 -L- TO STA. 532+00 -L-.
7. OBSERVE ANOTHER TWO MONTHS WAITING PERIOD BEFORE BEGINNING END BENT CONSTRUCTION OR PAVING.



TYPICAL SECTION

THROUGH 23' LT/RT OF –L–, N.T.S.



SECTION A–A

STA. 530+00± –L–, N.T.S.

PREPARED BY: S. ZHANG	DATE: 01/2015
REVIEWED BY: J. BATTS	DATE: 01/2015

GEOTECHNICAL ENGINEERING UNIT

☒ EASTERN REGIONAL OFFICE
☐ WESTERN REGIONAL OFFICE
☐ CONTRACT OFFICE

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DETAILS FOR GEOTEXTILE FOR EMBANKMENT STABILIZATION AND STAGE CONSTRUCTION AT -Y6- BRIDGE APPROACHES

REVISIONS

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