PROJECT REFERENCE NO.	SHEET NO.
5.209211.1	1

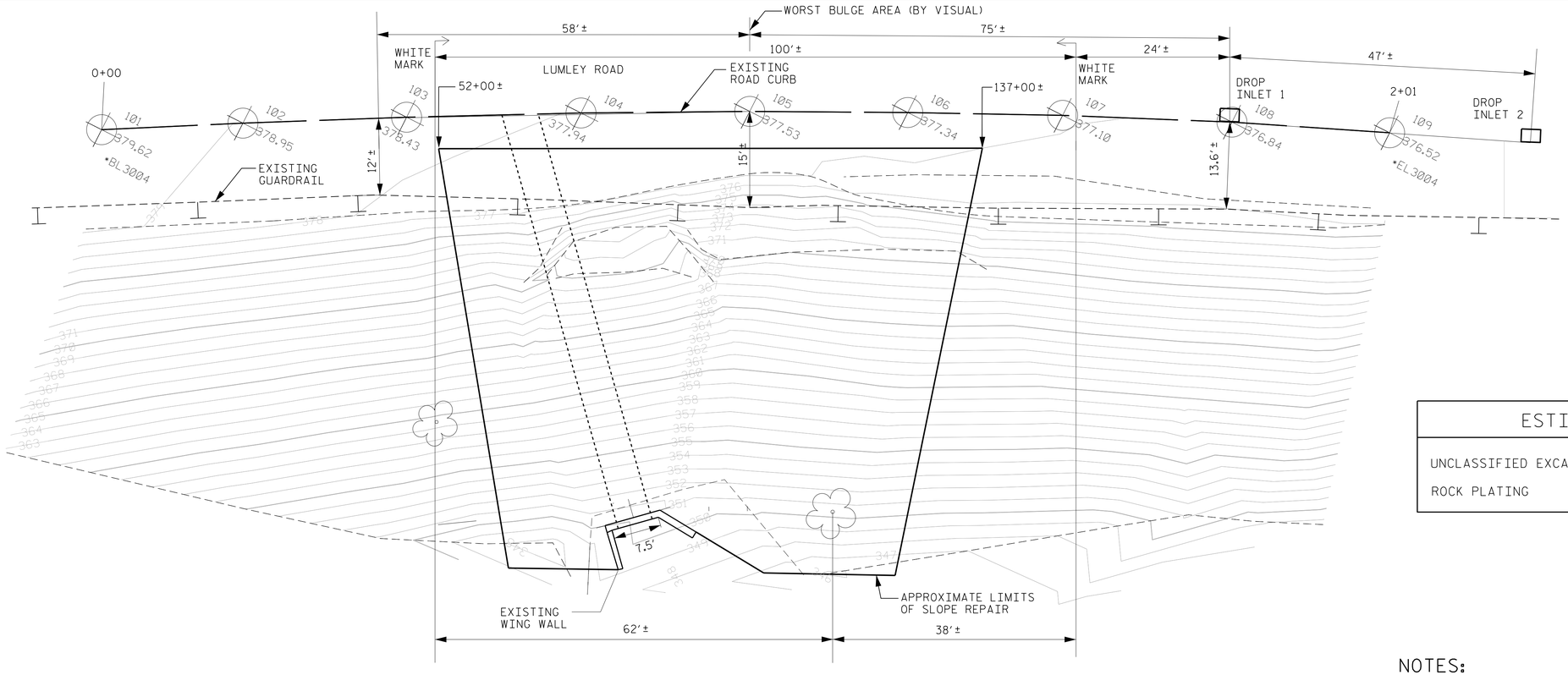
GEOTECHNICAL ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 038176 ENGINEER SHIKAI ZHANG

DocuSigned by: Shikai Zhang 11/9/2015
24BDE7F4181A4BF... SIGNATURE DATE

ENGINEER

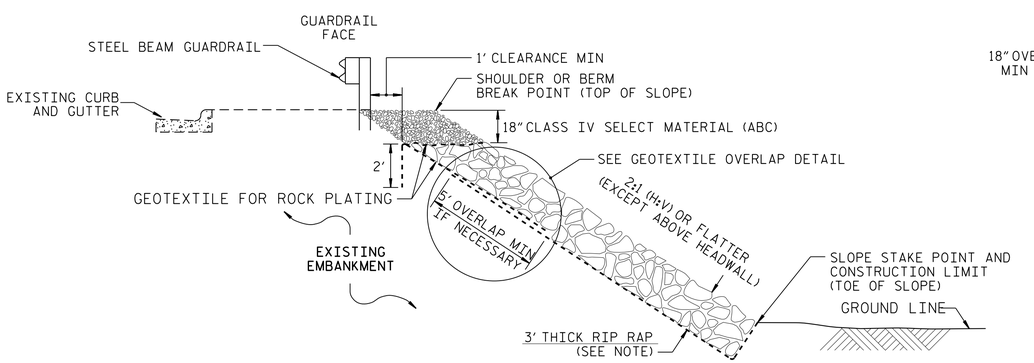
SIGNATURE DATE



PLAN VIEW OF AREA OF SLOPE REPAIR

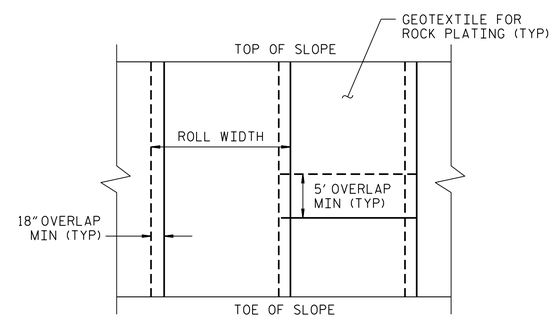
NOT TO SCALE

ESTIMATED QUANTITIES	
UNCLASSIFIED EXCAVATION	800 CY
ROCK PLATING	660 SY



ROCK PLATING DETAIL – TYPICAL SECTION

NOT TO SCALE



GEOTEXTILE OVERLAP DETAIL

(PLAN VIEW)

NOTES:

FOR ROCK PLATING, SEE SECTION 275 OF THE STANDARD SPECIFICATIONS.

HOLD A PRECONSTRUCTION MEETING BEFORE CONSTRUCTION STARTS.

REMOVE FAILED SOIL MASS AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER.

REGRADE SLOPE TO 2:1 (H:V) EXCEPT THE AREA ABOVE THE EXISTING HEADWALL, WHERE 1.75:1 (H:V) SLOPES MAY BE NEEDED TO FIT IN.

PLACE GEOTEXTILE FOR ROCK PLATING.

COVER GEOTEXTILE WITH 3 FEET OF RIP RAP AS SHOWN.

USE CLASS 1, 2, OR B RIP RAP UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

TIE THE ROCK PLATING TO THE EXISTING RIP RAP AT THE TOE.

PREPARED BY: S. ZHANG	DATE: 11/2015
REVIEWED BY: C. KREIDER	DATE: 11/2015

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

GEOTECHNICAL ENGINEERING UNIT

LUMLEY ROAD SLOPE REPAIR
ROCK PLATING

REVISIONS

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