

NOTES :

PROPOSED CONCRETE SLOPE PROTECTION BETWEEN PROPOSED RETAINING WALL AND STREAM SHALL BE PLACED FOLLOWING REMOVAL OF EXISTING CONCRETE SLOPE PROTECTION AND CONSTRUCTION OF PROPOSED RETAINING WALL AND END BENT CAP.

THE CONTRACTOR MAY SUBMIT AN ALTERNATE PLAN FOR REMOVAL OF EXISTING CONCRETE SLOPE PROTECTION AND PLACEMENT OF PROPOSED CONCRETE SLOPE PROTECTION TO THE ENGINEER FOR APPROVAL.

STRAIGHT EDGING WILL NOT BE REQUIRED UNLESS, IN THE OPINION OF THE ENGINEER, VISUAL INSPECTION INDICATES A NEED FOR IT.

MEASUREMENT AND PAYMENT SHALL BE AS PRESCRIBED IN SECTION 462 OF THE STANDARD SPECIFICATIONS.

SLOPE PROTECTION SHALL CONSIST OF 4" POURED-IN-PLACE CONCRETE PAVING AS SHOWN IN THE DETAILS ON THIS SHEET.

CONCRETE SHALL BE CLASS "B".

THE CONCRETE SURFACE SHALL BE FLOATED WITH A WOODEN FLOAT AND FINISHED.

WELDED WIRE FABRIC REINFORCING SHALL BE 6 X 6 - W1.4 X W1.4, 60" WIDE.

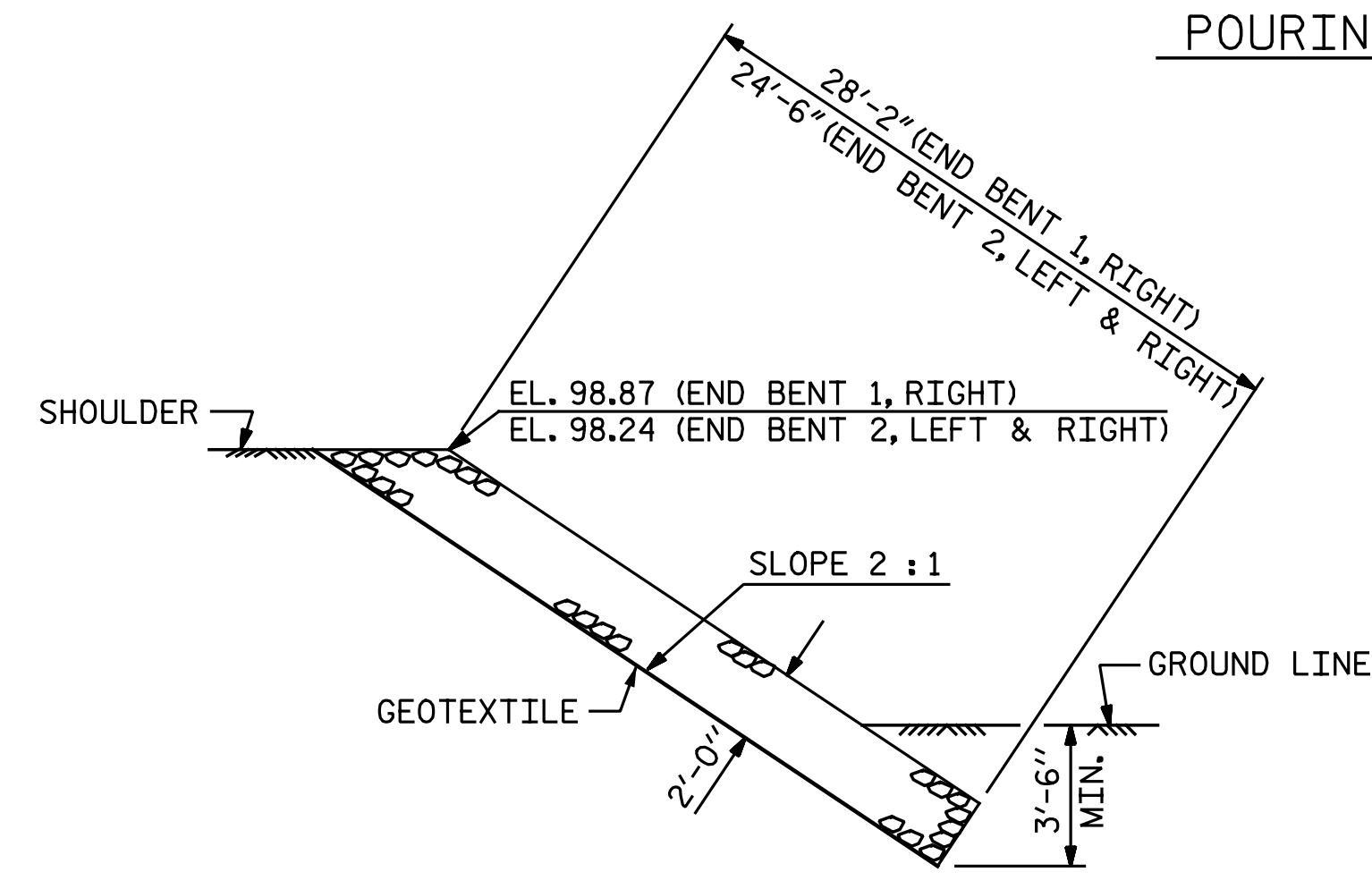
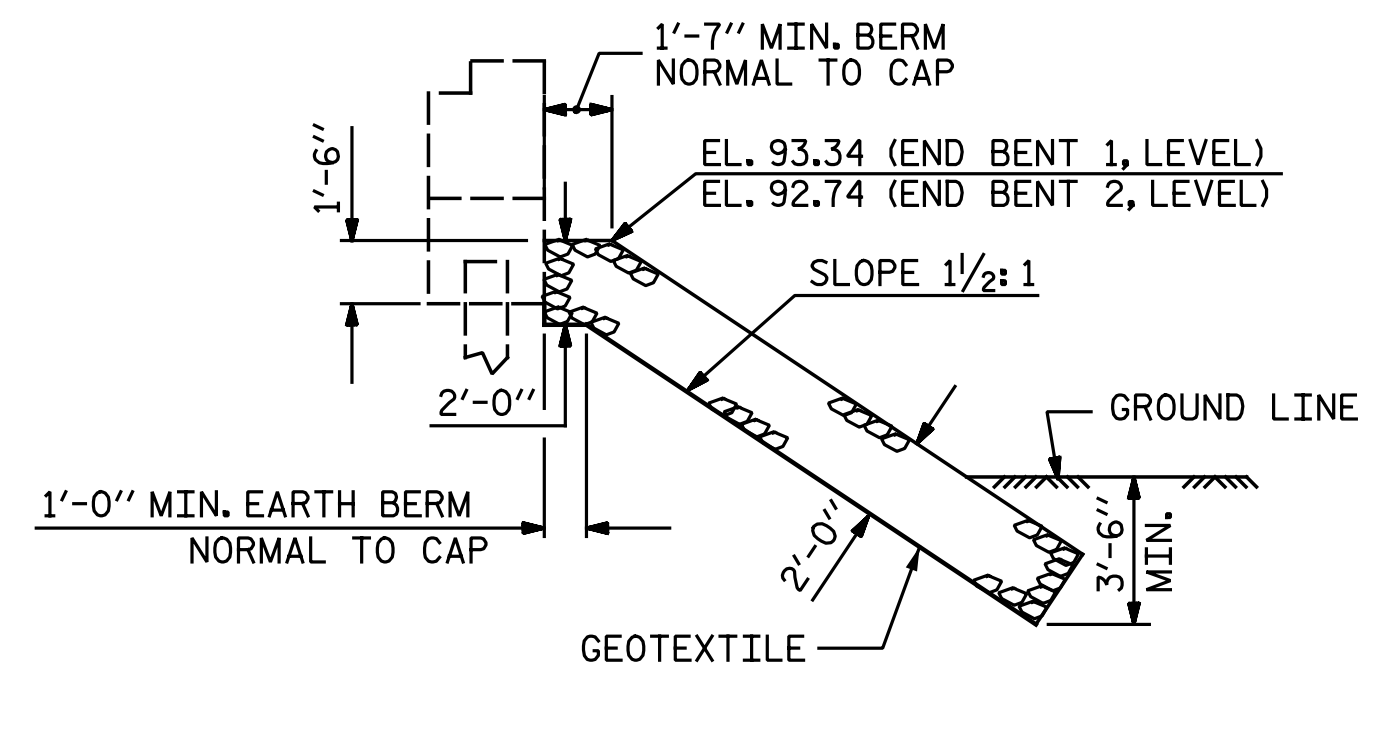
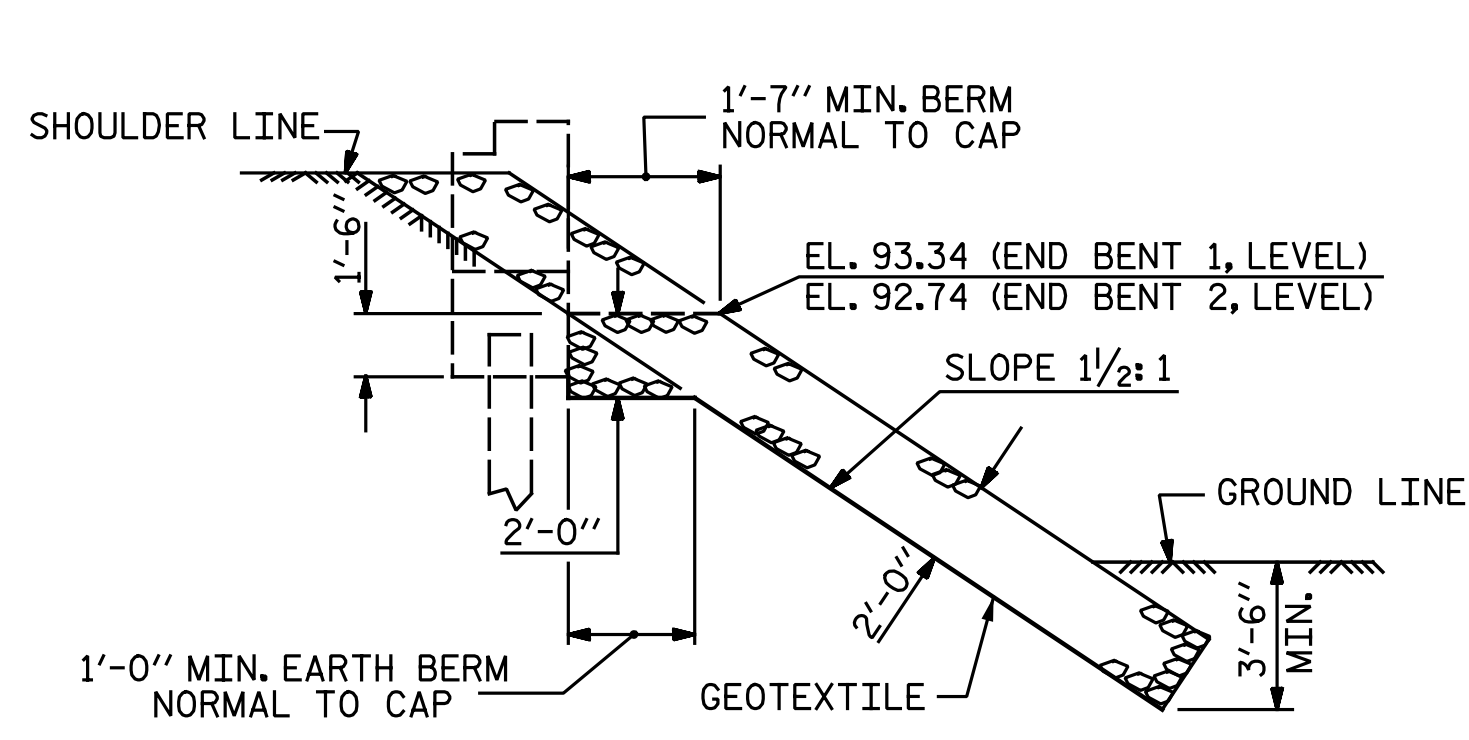
SLOPE PROTECTION SHALL BE POURED IN 5' STRIPS AS SHOWN IN THE "POURING DETAIL" WITH 2'-0" LONG #4 BARS PLACED ALONG THE SLOPE BETWEEN STRIPS AT 1'-6" MAXIMUM SPACING.

SLOPE PROTECTION MAY BE POURED IN ALTERNATE 4' AND 5' STRIPS AS SHOWN IN THE "OPTIONAL POURING DETAIL" WITH ADJACENT RUNS OF WELDED WIRE FABRIC LAPPING AT LEAST 6".

THE COST OF THE WELDED WIRE FABRIC AND #4 BARS, IF USED, SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID PER SQUARE YARD FOR SLOPE PROTECTION.

THE COST OF THE REMOVAL OF EXISTING CONCRETE SLOPE PROTECTION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID PER SQUARE YARD FOR SLOPE PROTECTION.

SHOULDER RIP RAP IS HIGHER THAN BERM RIP RAP



PROJECT NO. U-3330
NASH COUNTY
STATION: 61+03.00 -L-

ESTIMATED QUANTITIES				
BRIDGE @ STA. 61+03.00 -L-	RIP RAP CLASS II (2'-0" THICK)	GEOTEXTILE FOR DRAINAGE	4" SLOPE PROTECTION	* WELDED WIRE FABRIC 60 INCHES WIDE
	TONS	SQUARE YARDS	SQUARE YARDS	APPROX. L.F.
END BENT 1	385	430	205	410
END BENT 2	460	510	---	---

* QUANTITY SHOWN IS BASED ON 5' POURS.

DRAWN BY : T. M. GARRISON DATE : 3-22-17
CHECKED BY : V. A. PATEL DATE : 3-22-17

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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NORTH CAROLINA PROFESSIONAL SEAL 033139
ENGINEER TODD M. GARRISON
3/23/2017

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

RIP RAP AND SLOPE PROTECTION DETAILS

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

SHEET NO. S3-40
TOTAL SHEETS 42