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PROJECT REFERENCE NO. SHEET NO.

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

LIST OF ROADWAY STANDARDS

EFF. 01-16-2024 REV.

2024 ROADWAY STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Contracts Standards and Development Unit - N. C. Department of Transportation - Raleigh, N. C., Dated January 16, 2024 are applicable to this project and by reference here by are considered a part of these plans:

STD. NO. TITLE

DIVISION 8 - INCIDENTALS

862.01 Guardrail Placement (Use Details in Lieu of Standards for Sheets 4, 6, 12, and 14 of 15)

862.02 Guardrail Installation (Use Details in Lieu of Standards for Sheets 5 of 9)

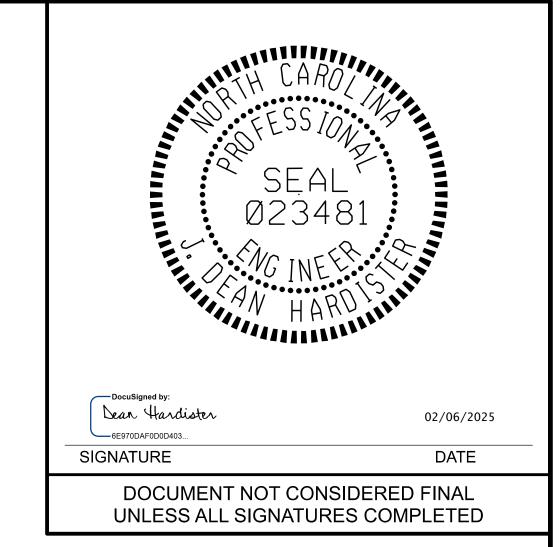
876.03 Drainage Ditches with Class 'A' Rip Rap 876.04 Drainage Ditches with Class 'B' Rip Rap

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS GEOTECHNICAL ENGINEERING UNIT

HELENE EMERGENCY REPAIRS

COUNTY TRANSYLVANIA
PROJECT DESCRIPTION 1 SITE ON NC 215

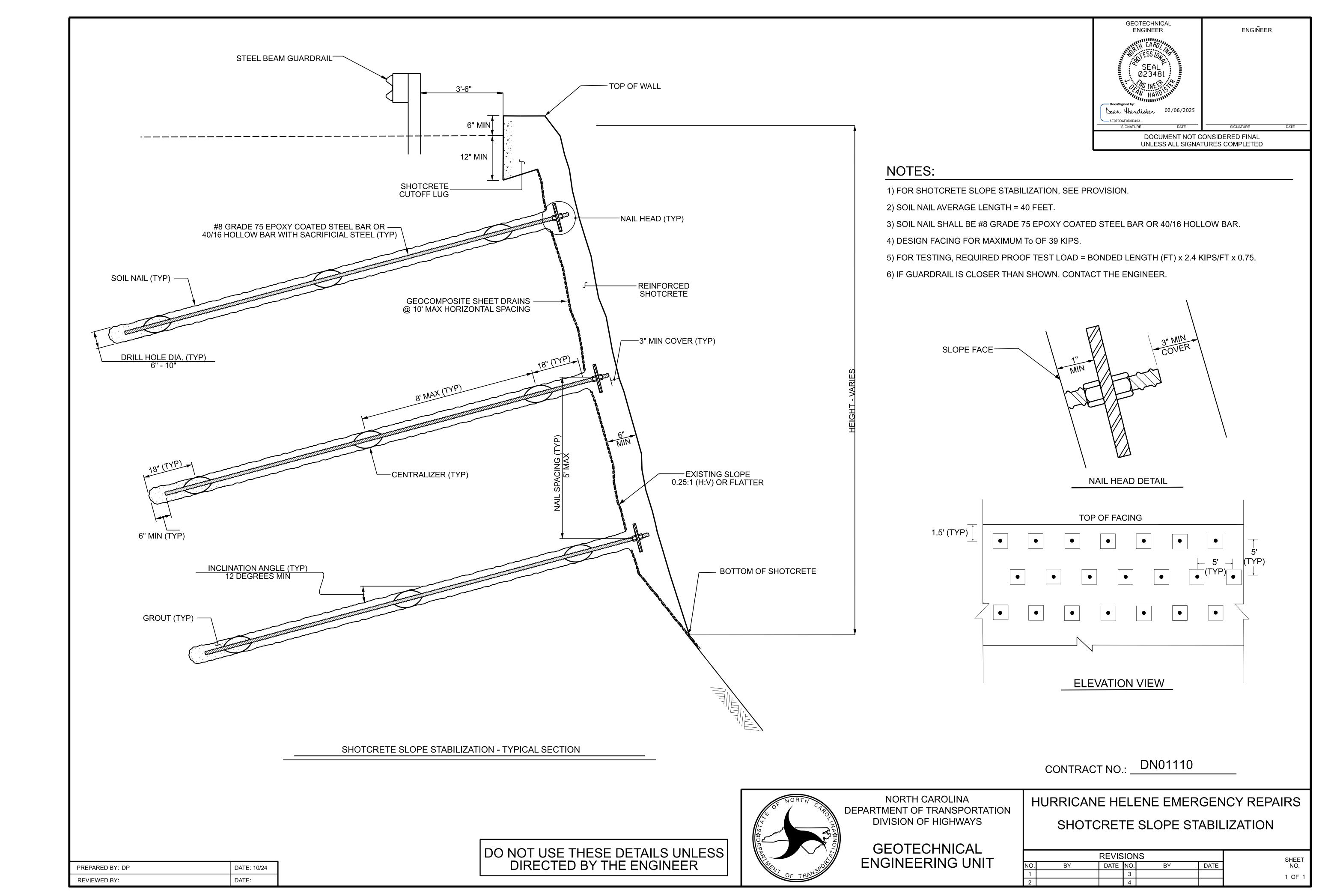


ROUTE	SITE#	SITE LATITUDE	SITE LONGITUDE	REPAIR OPTION 1	REPAIR OPTION 2	REPAIR OPTION 3
NC 215	707	35.15729254	-82.83155174	Shotcrete Slope Stabilization		

ONTRACT: DN01110

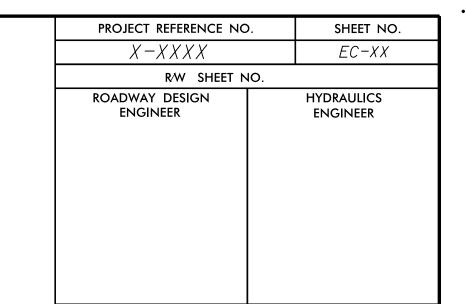
WHEN MULTIPLE REPAIR OPTIONS ARE AVAILABLE AT A SITE LOCATION, THE CONTRACTOR SHALL PROCEED IN SEQUENTIAL ORDER AND CHOOSE THE FIRST OPTION THAT FITS WITHIN SITE CONSTRAINTS

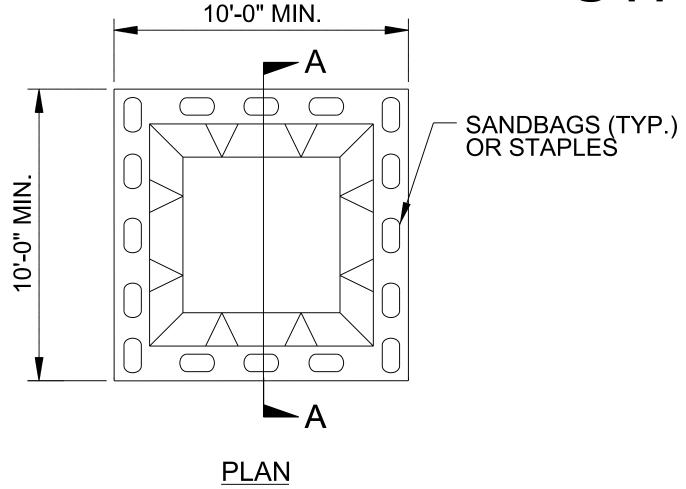
PRIOR TO CONSTRUCTING THE GEOTECHNICAL REPAIRS, AN ON-SITE MEETING WITH THE PRIME CONTRACTOR, THE GEOTECHNICAL SPECIALTY SUBCONTRACTOR (IF APPLICABLE), THE DIVISION CONSTRUCTION REPRESENTATIVE AND THE GEOTECHNICAL OPERATIONS GROUP REPRESENTATIVE SHALL BE CONDUCTED

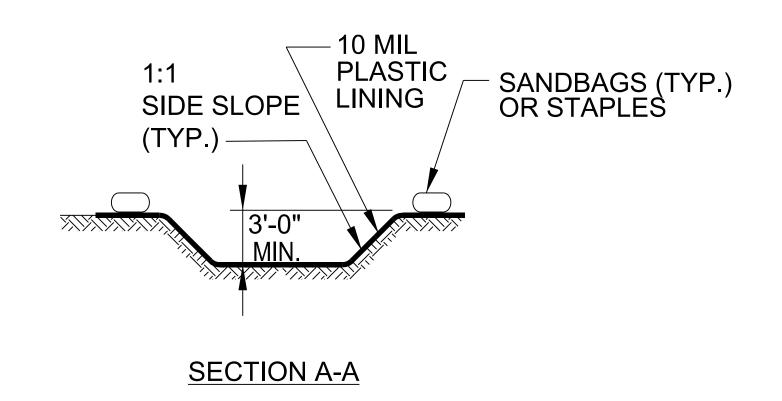


ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER









CLEARLY MARKED SIGNAGE NOTING DEVICE (18"X24" MIN.) CONCRETE WASHOUT

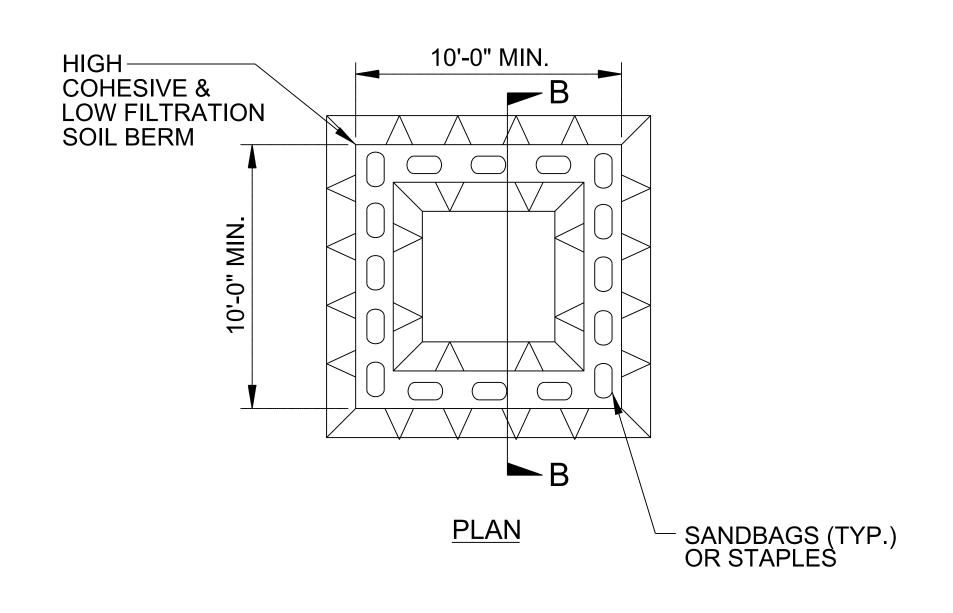
BELOW GRADE WASHOUT STRUCTURE

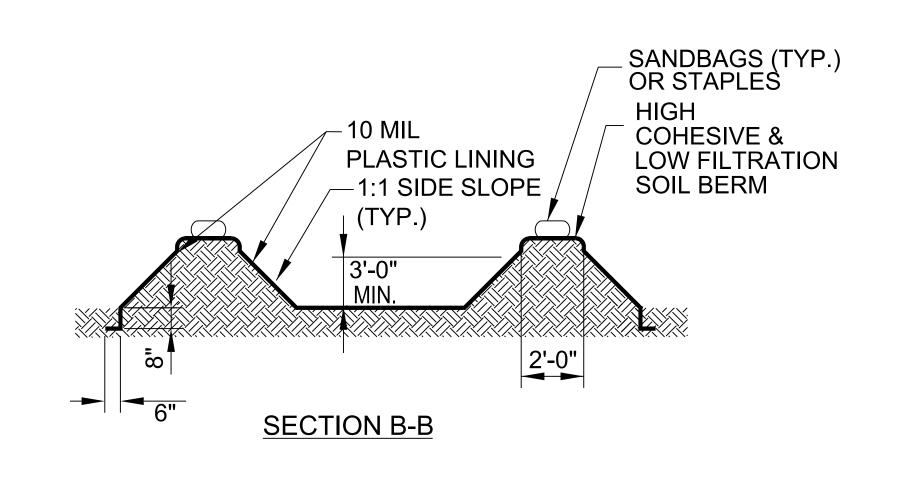
NOT TO SCALE

1. ACTUAL LOCATION DETERMINED IN FIELD

2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.

3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARY MARKED WITH SIGNAGE NOTING DEVICE.







NOTES:

1. ACTUAL LOCATION DETERMINED IN FIELD

2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.

3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARY MARKED WITH SIGNAGE NOTING DEVICE.

ABOVE GRADE WASHOUT STRUCTURE NOT TO SCALE

SUMMARY OF QUANTITIES

								0000400000-N	0043000000-N	0196000000-E	0448200000-E	0996000000-N	1099700000-E	1491000000-E	1523000000-E	1575000000-E	2556000000-E	2815000000-N	303000000-Е	3360000000-Е	3420000000-E	6138000000-E
PROJECT NO	COUNTY	MAP NO	ROUTE	LENGTH	H WIDTH	BEGIN	END	CONSTRUCTION	GRADING	GEOTEXTILE	15" RC PIPE	PIPE CLEAN OUT	CLASS IV	BASE COURSE,	SURFACE	ASPHALT	SHOULDER	ADJUSTMENT	STEEL BEAM	REMOVE	WEATHERING	VEGETATIVE
						MP	MP	SURVEYING		FOR SOIL	CULVERTS,		SUBGRADE	B25.0C	COURSE, S9.5C	BINDER FOR	BERM GUTTER	OF DROP INLETS	GUARDRAIL	EXISTING	STEEL BEAM	DEBRIS
										STABILIZATION	CLASS IV		STABILIZATION			PLANT MIX				GUARDRAIL	GUARDRAIL	REMOVAL AND
																						DISPOSAL
				MI	FT			LS	LS	SY	SY	EA	TON	TONS	TONS	TONS	LF	EA	LF	LF	LF	CY
18314.1088015	Transylvania	a 2	US-64	0.05	22	6.58	6.63	0.50	0.50	100	60	1	350	21	9	2	175	1	200	200		
TC	TOTAL FOR MAP NO. 2 0.05 TOTAL FOR PROJ NO. 18314.1088015			0.50	0.50	100	60	1	350	21	9	2	175	1	200	200						
TOTAL FO			0.05	-			0.50	0.50	100	60	1	350	21	9	2	175	1	200	200			
														1								1
18314.1088038	Transylvania	a 3	NC-215	0.06	20	1.32	1.38	0.50	0.50											125	125	30
TC	TAL FOR MAP	P NO. 3		0.06				0.50	0.50											125	125	30
TOTAL FO	TOTAL FOR PROJ NO. 18314.1088038		038	0.06				0.50	0.50											125	125	30
																						1
GRAND TOTAL			0.11				1.00	1.00	100	60	1	350	21	9	2	175	1	200	325	125	30	
																						<u> </u>

SUMMARY OF QUANTITIES

											_					Ī	
								600000000-E	6006000000-E	6009000000-E	6012000000-E	6029000000-E	6036000000-E	6042000000-E	6071010000-E	6084000000-E	6117000000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	LENGTH	WIDTH	BEGIN	END	TEMPORARY	STONE FOR	STONE FOR	SEDIMENT	SAFETY FENCE	MATTING FOR	1/4"	WATTLE	SEED &	RESPONSE FOR
						MP	MP	SILT FENCE	EROSION	EROSION	CONTROL		EROSION	HARDWARE		MULCHING	EROSION
									CONTROL,	CONTROL,	STONE		CONTROL	CLOTH			CONTROL
									CLASS A	CLASS B							
				MI	FT			LF	TON	TON	TON	LF	SY	LF	LF	AC	EA
18314.1088015	Transylvania	2	US-64	0.05	22	6.58	6.63	150	20	20	20		100	20	50	0.1	1
TO	TAL FOR MAP N	10.2		0.05				150	20	20	20		100	20	50	0.1	1
TOTAL FOL	TOTAL FOR PROJ NO. 18314.1088015						150	20	20	20		100	20	50	0.1	1	
IOIALFOI	K PKOJ NO. 163	14.10000	19														
18314.1088038	Transylvania	3	NC-215	0.06	20	1.32	1.38	100				100					1
TO	TAL FOR MAP N	10.3		0.06				100				100					1
TOTAL FOL	R PROJ NO. 183	14 10000	20	0.06				100				100					1
IOIALFOI	K PKOJ NO. 163	14.10000	30														
	CRAND TOTAL 0.11							250	20	20	20	100	100	20	50	0.1	2
	GRAND TOTAL																
•							•		•	•	•	•	•	•	•	•	•

SUMMARY OF QUANTITIES

						883400	0000-N	8839	8853000000-E		
COUNTY	MAP NO	ROUTE	LENGTH	WIDTH	BEGIN	END	SOIL NAIL,	SOIL NAIL	SOIL NAIL,	GEOCOMPOSITE	SHOTCRETE
					MP	MP	AVERAGE	PROOF	ADDITIONAL	DRAINS	
							LENGTH	TESTS	LENGTH OVER		
									AVERAGE		
			MI	FT			EA	EA	LF	LF	CY
Transylvania	2	US-64	0.05	22	6.58	6.63					
TAL FOR MAP N	10.2		0.05								
D DDAINA 102	14 10000	16	0.05								
	14.1000										
Transylvania	3	NC-215	0.06	20	1.32	1.38	429	22	858	450	125
TAL FOR MAP N	10.3		0.06				429	22	858	450	125
R PROJ NO. 183	14.10880	38	0.06				429	22	858	450	125
GRAND TOTAL	0.11				429	22	858	450	125		
	Transylvania TAL FOR MAP N R PROJ NO. 183 Transylvania TAL FOR MAP N R PROJ NO. 183	Transylvania 2 TAL FOR MAP NO. 2 Transylvania 3 TAL FOR MAP NO. 3	Transylvania 2 US-64 TAL FOR MAP NO. 2 R PROJ NO. 18314.1088015 Transylvania 3 NC-215 TAL FOR MAP NO. 3 R PROJ NO. 18314.1088038	MI Transylvania 2 US-64 0.05 TAL FOR MAP NO. 2 0.05 R PROJ NO. 18314.1088015 Transylvania 3 NC-215 0.06 TAL FOR MAP NO. 3 0.06 R PROJ NO. 18314.1088038 0.11	MI FT Transylvania 2 US-64 0.05 22 TAL FOR MAP NO. 2 0.05 R PROJ NO. 18314.1088015 Transylvania 3 NC-215 0.06 20 TAL FOR MAP NO. 3 0.06 R PROJ NO. 18314.1088038 0.11	MI FT Transylvania 2 US-64 0.05 22 6.58 TAL FOR MAP NO. 2 R PROJ NO. 18314.1088015 Transylvania 3 NC-215 0.06 20 1.32 TAL FOR MAP NO. 3 R PROJ NO. 18314.1088038 O.06 R PROJ NO. 18314.1088038	MI FT Transylvania 2 US-64 0.05 22 6.58 6.63 TAL FOR MAP NO. 2 R PROJ NO. 18314.1088015 Transylvania 3 NC-215 0.06 20 1.32 1.38 TAL FOR MAP NO. 3 R PROJ NO. 18314.1088038	COUNTY MAP NO ROUTE LENGTH WIDTH BEGIN MP AVERAGE LENGTH MI FT EA Transylvania 2 US-64 0.05 22 6.58 6.63 TAL FOR MAP NO. 2 R PROJ NO. 18314.1088015 Transylvania 3 NC-215 0.06 20 1.32 1.38 429 TAL FOR MAP NO. 3 R PROJ NO. 18314.1088038 O.06 429 O.07 A PROJ NO. 18314.1088038	MI FT EA EA Transylvania 2 US-64 0.05 22 6.58 6.63 TAL FOR MAP NO. 2 0.05 R PROJ NO. 18314.1088015 Transylvania 3 NC-215 0.06 20 1.32 1.38 429 22 TAL FOR MAP NO. 3 0.06 429 22 R PROJ NO. 18314.1088038	COUNTY	COUNTY MAP NO ROUTE LENGTH WIDTH BEGIN MP MP AVERAGE PROOF LENGTH OVER AVERAGE LENGTH

THERMOPLASTIC AND PAINT QUANTITIES

									4457000000-N	468800000-Е	4688000000-E
PROJECT NO	PROJECT NO COUNTY MAP NO ROUTE				LENGTH	WIDTH	BEGIN MP	END MP	TEMPORARY	6" X 90 M WHITE	6" X 90 M
									TRAFFIC	THERMO	YELLOW
									CONTROL		THERMO
					MI	FT			LS	LF	LF
18314.1088015	Transylvania	2	US-64	2	0.05	22	6.58	6.63	0.50	250	250
TC	OTAL FOR MAP N	10.2			0.05				0.50	250	250
TOTAL FO	R PROJ NO. 183	14.10880	15		0.05				0.50	250	250
18314.1088038	Transylvania	3	NC-215	2	0.06	20	1.32	1.38	0.50		
TC	OTAL FOR MAP N	10.3			0.06				0.50		
TOTAL FO	R PROJ NO. 183	14.10880	38		0.06				0.50		
		0.11				1	250	250			