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T LENGTH	Prepared DIVISION 253 Webster	l in the Office of: <i>OF HIGHWAYS</i> r Rd., Sylva NC, 28779	HYDRAULICS ENG
CT = 0.175 MILES	2024 STANDARD SPECIFICATIONS RIGHT OF WAY DATE: N/A LETTING DATE: JULY 23, 2024	JESSE A RUSSELL, P.E. PROJECT ENGINEER DREW C RIVENBARK, E.I. PROJECT DESIGN ENGINEER	DocuSigned by: Andy Russell E9017A3F468143D. SIGNATURE: ROADWAY DESIGN

STATE	STATE PROJECT REFERENCE NO.		SHEET NO.	TOTAL SHEETS	
$\mathbb{N}_{\mathbb{C}}$	N.C. HN-0029		11		
STAT	TE PROJ. NO.	F. A. PROJ. NO.		DESCRIPT	TION
51	459.3.1		CC	ONSTRU	JCTION

### 11/15/23

### GENERAL NOTES:

GRADING AND SURFACING OR RESURFACING AND WIDENING:

INDEX O	F SHEETS	THE GRADE I
SHEET NUMBER	SHEET	SURFACING A
1	TITLE SHEET	ALONG THE C PLACED. GR
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS	PROPER TIE-
1B	CONVENTIONAL SYMBOLS	CLEARING:
2A	PAVEMENT SCHEDULE AND TYPICAL SECTIONS	CLEARING OI METHOD II.
3B	ROADWAY SUMMARIES	SIDE ROADS:
4 THRU 5	PLAN AND PROFILE SHEET	THE CONTRA
PMP-1 THRU PMP-2	PAVEMENT MARKING PLANS	SUITABLE CO THIS WORK V
EC-1 THRU EC-4	EROSION CONTROL PLANS	INVOLVED.
X-1 THRU X-10	CROSS-SECTIONS	UTILITIES:

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS.

2024 SPECIFICATIONS EFFECTIVE: 01-16-2024 **REVISED**:

LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. WHERE NO GRADE LINES N, THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT CENTER LINE OF SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE RADE LINES MAY BE ADJUSTED BY THE ENGINEER IN ORDER TO SECURE A -IN.

ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY

ACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE ONNECTIONS WITH ALL ROADS, STREETS, AND DRIVES ENTERING THIS PROJECT. WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS

UTILITY OWNERS ON THIS PROJECT ARE FRONTIER

2024 ROADWAY ENGLISH 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 hereby are considered a part of these plans:

STD.NO. TITLE **DIVISION 2 - EARTHWORK** 200.02 Method of Clearing - Method II 225.02 Guide for Grading Subgrade - Secondary and Local DIVISION 3 - PIPE CULVERTS 300.01 Method of Pipe Installation DIVISION 7 - CONCRETE PAVEMENTS AND SHOULDERS 700.05 Tying Proposed Pavement to Existing Pavement DIVISION 8 - INCIDENTALS 876.02 Guide for Rip Rap at Pipe Outlets

### HN-0029 1Δ

### Note: Not to Scale

### **BOUNDARIES AND PROPERTY:**

State Line	
County Line	
Township Line	
City Line	
Reservation Line	· · ·
Property Line	
Existing Iron Pin (EIP)	
Computed Property Corner	- ×
Existing Concrete Monument (ECM)	- ĒCM
Parcel / Sequence Numbe <del>r</del>	. (123)
Existing Fence Line	xxx-
Proposed Woven Wire Fence	0
Proposed Chain Link Fence	
Proposed Barbed Wire Fence	$\rightarrow$ $\rightarrow$
Existing Wetland Boundary	- — — — WLB — — — —
Proposed Wetland Boundary	WLB
Existing Endangered Animal Boundary	EAB
Existing Endangered Plant Boundary	ЕРВ ———
Existing Historic Property Boundary	HPB
Known Contamination Area: Soil	💓 — s — 😿 — s —
Potential Contamination Area: Soil	X - s - X - s -
Known Contamination Area: Water	😿 — w — 😿 — w —
Potential Contamination Area: Water	X w X w
Contaminated Site: Known or Potential	
BUILDINGS AND OTHER CULTU	U <b>RE:</b>
Gas Pump Vent or U/G Tank Cap	- O

Sign —	$\bigcirc$ S
Well	O W
Small Mine ————	${\sim}$
Foundation ————	
Area Outline	
Cemetery	+
Building ———	
School	
Church	
Dam — — — — — — — — — — — — — — — — — — —	

### HYDROLOGY:

Stream or Body of Water	
Hydro, Pool or Reservoir	
Jurisdictional Stream	JS···
Buffer Zone 1	BZ 1
Buffer Zone 2	BZ 2 ——
Flow Arrow	<
Disappearing Stream	>
Spring	
Wetland	<b>1</b>
Proposed Lateral, Tail, Head Ditch	
False Sump	

## RAILROADS:

Standard Gauge
RR Signal Milepost
Switch
RR Abandoned
RR Dismantled

### RIGHT OF WAY &

Primary Horiz Control Point Primary Horiz and Vert Conf Secondary Horiz and Vert C Vertical Benchmark Existing Right of Way Monu Proposed Right of Way Monu (Rebar and Cap) Proposed Right of Way Mon (Concrete) **Existing Permanent Easeme** Proposed Permanent Easen (Rebar and Cap) Existing C/A Monument — Proposed C/A Monument (R Proposed C/A Monument (C Existing Right of Way Line – Proposed Right of Way Line Existing Control of Access L Proposed Control of Access Proposed ROW and CA Line Existing Easement Line Proposed Temporary Constru Proposed Temporary Drainag Proposed Permanent Draina Proposed Permanent Drainag Proposed Permanent Utility Proposed Temporary Utility E Proposed Aerial Utility Easer

### **ROADS AND RELATED FEATURES:**

Existing Edge of Pavement	
Existing Curb	
Proposed Slope Stakes Cut	<u>C</u>
Proposed Slope Stakes Fill	<u>F</u>
Proposed Curb Ramp	CR
Existing Metal Guardrail	<u> </u>
Proposed Guardrail	<u> </u>
Existing Cable Guiderail	<u> </u>
Proposed Cable Guiderail	
Equality Symbol	$\oplus$
Pavement Removal	$\times\!\!\times\!\!\times\!\!\times\!\!\times$
VEGETATION:	
Single Tree	සි
Single Shrub	Ę
Hedge ———	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

DOT/ext-dcrivenbark1- 5/22/2024

## STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS CONVENTIONAL PLAN SHEET SYMBOLS

CSX TRANSPORTATION

 $\odot$ MILEPOST 35

SWITCH

\_\_\_\_ \_\_\_ \_\_\_

PROJECT CO	NTROL:
trol Point	
Control Point ——	
ment	
nument	$\Delta$
nument	
ent Monument——	$\langle \cdot \rangle$
nent Monumen <del>t</del> —	$\otimes$
	$\land$
Rebar and Cap) —	A
concrete)———	$\bigotimes$
ine	
Line	
Э	
	——E——
ruction Easement–	——————————————————————————————————————
ge Easement	TDE
age Easement	PDE
age/Utility Easement	DUE
Easement	PUE
Easement	TUE
ment	AUE
TEN FEATURE	ç.

Woods Line	
Orchard —	- & & & &
Vineyard	- Vineyard
EXISTING STRUCTURES:	
MAJOR:	
Bridge, Tunnel or Box Culvert	- CONC
Bridge Wing Wall, Head Wall and End Wall	- ) CONC WW (
MINOR:	
Head and End Wall	
Pipe Culvert	
Footbridge	
Drainage Box: Catch Basin, DI or JB	CB
Paved Ditch Gutter	
Storm Sewer Manhole	- (5)
Storm Sewer	- <u>-</u> S
UTILITIES:	
* SUE - Subsurface Utility Engineering	· • · · · · · · · · · · · · · · · · · ·
LOS - Level of Service - A,B,C or D (	Accuracy)
POWER:	Ţ
Existing Power Pole	- •
Proposed Power Pole	- O
Existing Joint Use Pole	<b>-</b>
Proposed Joint Use Pole	0-
Power Manhole	– (P)
Power Line Tower	- 🛛
Power Transformer	-
U/G Power Cable Hand Hole	— Нн
H-Frame Pole	- •-•
U/G Power Line Test Hole (SUE - LOS A)* –	- 🛛
U/G Power Line (SUE - LOS B)*	— — — — P — — — —
U/G Power Line (SUE - LOS C)*	— — — P — — —
U/G Power Line (SUE - LOS D)*	P
TELEPHONE:	
Existing Telephone Pole	
Proposed Telephone Pole	0-
Telephone Manhole	- ①
Telephone Pedestal	- [T]
Telephone Cell Tower	- , , ,
U/G Telephone Cable Hand Hole	— Н <sub>Н</sub>
U/G Telephone Test Hole (SUE - LOS A)* –	- 🛞
U/G Telephone Cable (SUE - LOS B)*	T
U/G Telephone Cable (SUE - LOS C)*	T
U/G Telephone Cable (SUE - LOS D)*	T
U/G Telephone Conduit (SUE - LOS B)* —	— — — TC — — — —
U/G Telephone Conduit (SUE - LOS C)* —	— — — TC — — —
U/G Telephone Conduit (SUE - LOS D)*	— тс
U/G Fiber Optics Cable (SUE - LOS B)* —	— — — — T FO— — ·
U/G Fiber Optics Cable (SUE - LOS C)*	— — — T FO— — —
U/G Fiber Optics Cable (SUE - LOS D)*	T FO

	HN-0029
	1B
WATER:	
	Ŵ
	$\bigcirc$
Water Valve	$\otimes$
Water Hydrant	$\odot$
U/G Water Line Test Hole (SUE - LUS A) $\sim$ -	×
U/G Water Line (SUE - LOS B)	— — — w — — — —
U/G Water Line (SUE - LOS C)	w
U/G Water Line (SUE - LOS D) <sup>*</sup>	" A/G Water
Above Ground Water Line	
IV: TV Pedestal ————————————————————————————————————	
TV Tower	$\bigotimes$
LI/G TV Cable Hand Hole	<del>су</del> Fu
U/C TV Cable Hand Hele	$\otimes$
U/G TV Cable (SUE - LOS R)*	
U/G TV Cable (SUE - LOS C)*	
U/G TV Cable (SUE - LOS C)	Tv
U/G Fiber Optic Cable (SUE LOS D)	— — — — TV FO — — —
U/C Fiber Optic Cable (SUE - LOS B)	TV F0
U/G Fiber Optic Cable (SUE - LOS C)	
GAS: Gas Valve	$\diamond$
Gas Meter	$\hat{\diamond}$
U/G Gas Line Test Hole (SUE - LOS A)* —	$\overset{\circ}{\otimes}$
U/G Gas Line (SUE - LOS B)*	G
U/G Gas Line (SUE - LOS C)*	G G
U/G Gas Line (SUE - LOS D)*	C
Above Ground Gas Line	A/G Gas
SANITARY SEWER:	
Sanitary Sewer Manhole	
Sanitary Sewer Cleanout	$( \div )$
U/G Sanitary Sewer Line	SS
Above Ground Sanitary Sewer	A/G Sanitary Sewer
SS Force Main Line Test Hole (SUE - LOS A)*	$\otimes$
SS Force Main Line (SUE - LOS B)*	— — — — FSS— — — —
SS Force Main Line (SUE - LOS C)*	——————————————————————————————————————
SS Force Main Line (SUE - LOS D)*	FSS
MISCELLANEOUS:	
Utility Pole	•
Utility Pole with Base	
Utility Located Object	$\odot$
Utility Traffic Signal Box	S
Utility Unknown U/G Line (SUE - LOS B)* —	?UTL
U/G Iank; Water, Gas, Oil	
Underground Storage Tank, Approx. Loc.	
A/G Tank; Water, Gas, Oil	
Geoenvironmental Boring	
Abandoned According to Utility Records —	AATUR
	E.O.I.



C1	PROP. APP AT AN AVE
D1	PROP. APF AT AN AVE
E1	PROP. APF AT AN AVE
K	12″ STAB
Ν	GEOTEXTI
Т	EARTH MA

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.





### PAVEMENT SCHEDULE

PPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, VERAGE RATE OF 224 LBS. PER SQ. YD.

PPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE I19.0C, VERAGE RATE OF 456 LBS. PER SQ. YD.

PPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, VERAGE RATE OF 570 LBS. PER SQ. YD.

BILIZATION

LE

ATERIAL

### 11/14/23

## SUMMARY OF EARTHWORK

IN CUBIC YARDS

STATION	STATION	UNCL. EXCAV.	EMBANK. + %	BORROW	WASTE
13+44.84	22+70.84	650			625
SUBTO	OTALS:	650			625
PROJECT	TOTALS:	650			625
GRAND	TOTALS:	650			625
SA	AY:	650			625

### LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

STATION	N (LT,RT, OR CL)	structure no.	ATION	LEVATION	ELEVATION	CRITICAL	(U	CLAS JNLESS N	S IV R.C. P IOTED OTH	PIPE HERWISE	E)	BIT	JMINOUS (UNLESS	COATED NOTED	C.S. PI OTHER	IPE TYPE B WISE)		ALL	DRAIN/ (CLASS I // JMINIZED ( HDPE PIPE, )	AGE PIP III R.C. P OR C.S. PIPE OR TYPE S	Pe Pipe E, type II Or D)	R			ENDWAL STD. 838. STD. 838. OR STD. 838. (UNLES NOTEE OTHERWI	LS 01, .11 .80 S S S S S S S S S S S S S S S S S S S	T STUCTURES STRUCTURES T Z CLINITELF. FOR PAY		ID. 840.02	FRAME, GRATES AND HOOD STANDARD 840.03	STD. 840.15	D. 840.16	40.17 OR 840.26	10.18 OR 840.27	40.19 OR 840.28	ATE STD. 840.22	0 GRATES SID. 840.22 H GRATE STD. 840.24	H TWO GRATES STD. 840.24	40.32	STD. 840.54
SIZE	OCATIO		op elev	AVERT E	AVERT E	SLOPE O	12″	15″ 18″	24″ 30″	36″ 42	2″ 48″	12" 15" 18'	24″	30″	36	42	′ 48″	12″ 15′	18" 24"	30″ 36	6" 42"	48″ <u>ല</u>	IPE	PIPE	CU. YDS	5. II		В	OR SI		- S	RATE ST	STD. 84	STD. 82	STD. 8.	ITH GR	ME WIT	ME WIT	OR 8	.34 COVER
THICKNESS OR GAUGE		ROM TO	Ţ	-								.064 .064 .064	.064	620.	.079	.109	109					DE DRAIN F	DE DRAIN F	DE DRAIN	C.P.	C.S.P.		ND ABOVE	rd. 840.01	TYPE OF GRATE	STD. 840.14	FRAME & GI	.I. TYPE "A"	.I. TYPE "B"	.I. TYPE "D"	.I. FRAME W	.l. Frame w .l. (N.S.) Fra	.I. (N.S.) FRA	STD. 840.31	.B. STD. 840 FRAME & C
																						15″ SII	18″ SII	24″ SI			5.0' TF	10.0′ A	C.B. SI	E F G	D.I. 0	D.I.F	G.D	Ŭ. Ŭ	0 0 0	0.0 0	ם ה ט פ	G.D	J.B. 9	T.B.J M.H.
-L- 14+20.51	RT	403 401	DETER	mine in	FIELD																		50′																	
-L- 14+27.82	CL	402 401	DETEI	mine in	FIELD					80′															8.9															
-L- 15+53.55	RT	405 404	DETEI	mine in	FIELD																		80′																	
-L- 15+97.07	LT																																							
-L- 20+64.18	LT	407 406	DETE	mine in	FIELD																		30′																	
						_																																		
						_																																<u> </u>		
						_																																<u> </u>		
						_																																<b></b>		
						-									+																							+		
						_	$\left  \right $								+																						_	+		
TOTALS										80′													160'		9															

## SUMMARY OF AGGREGATE SUBGRADE/STABILIZATION

STATION	STATION	SHALLOW UNDERCUT CY	CLASS IV SUBGRADE STABILIZATION	GEOTEXTILE FOR SOIL STABILIZATION
16 + 50	19 + 00	1500	1000	600
SUBTO	OTALS:	1500	1000	600
PROJECT	TOTALS:	1500	1000	600
GRAND	TOTALS:	1500	1000	600
SA	AY:	1500	1000	600

	HN-0029
	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
	ROADWAY DESIGN UNIT
	ROADWAY DESIGN ENGINEER
	SEAL 037962
	A RUSSIN
	Andy Russell
	HYDRAULICS ENGINEER
	TH CAROL
	037962
	Andy Russell
	E00477A0F468148D
	DOCUMENT NOT CONSIDERED FINAL
	UNLESS ALL SIGNATURES COMPLETED
_	
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вох	

Image:		CORR. ST CONC. C	CONC. & BRI	PIPE REMOVAL LIN.F	J.B. JUNCTION BOX M.H. MANHOLE T.B.D.I. TRAFFIC BEARING DROP INLET T.B.J.B. TRAFFIC BEARING JUNCTION BOX REMARKS
Image:					
Image: Second					
60' 24"					
Image:				60′	24″
60'	1			60′	





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## STATE OF NORTH CAROLINA **DEPARTMENT OF TRANSPORTATION**

## PAVEMENT MARKING PLAN CHEROKEE COUNTY

{	ROADWAY STANDARD DRAWING
THE FOLLC PROJECT S DATED JAN CONSIDER	DWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., IUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE ED A PART OF THESE PLANS:
STD. NO.	TITLE
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXIT AND ENTRANCE RAMPS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1205.15	PAVEMENT MARKINGS - SUPERSTREETS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1253.01	RAISED PAVEMENT MARKERS - SNOWPLOWABLE
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION
1267.01	FLEXIBLE DELINEATORS - INSTALLATION
1267.02	FLEXIBLE DELINEATORS - SPACING TABLES
1267.03	FLEXIBLE DELINEATORS - INTERCHANGE PLACEMENT



PLAN PREPARED BY: N.C.D.O.T. DIVISION OF HIGHWAYS

JESSE A. RUSSELL, P.E. PROJECT ENGINEER DREW C. RIVENBARK, E.I. PROJECT DESIGN ENGINEER

### LOCATION: NC 141 AT SR 1531 (HENDRIX RD)

USED, IT SHALL BE PAID FOR USING THE COLD APPLIED PAY ITEM.

GENERAL NOTES		FIN
THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.	SY	'MBOL
A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:	PA	VEMENT N
ROAD NAME MARKING MARKER	ТН	IERMOPLA
ALL ROADS THERMOPLASTIC NONE	T1 T2 T4	
B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.	T1	3
C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.	ТН	IERMOPLA
D) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED	Т5	2
IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING	ТН	IERMOPLA
THE EXTRUDED THERMOPLASTIC PAY ITEM.	Т6	1
E) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF COLD APPLIED PLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS	Тн	IERMOPLA
AND DIAGONALS ON ASPHALT OR CONCRETE ROADWAYS. IF HEATED-IN-PLACE IS	Т7	0



## NAL PAVEMENT MARKING SCHEDULE

DESCRIPTION

MARKINGS

ASTIC (4", 90 MIL)

(4") WHITE EDGELINE (4") SOLID WHITE LANE LINE (4") 3 FT. - 9 FT./SP WHITE MINISKIP (4") YELLOW DOUBLE CENTER

ASTIC (12", 90 MIL)

(12") YELLOW DIAGONAL

ASTIC (24", 90 MIL)

(24") WHITE STOPBAR

ASTIC (90 MIL)

LEFT TURN ARROW



![](_page_10_Figure_1.jpeg)

STATE	STATE	PROJECT REFERENCE NO.		SHEET NO.	TOTAL SHEETS
N.C.		HN=0029		EC-1	
STAT	E PROJ. NO.	F. A. PROJ. NO.		DESCRIPTI	ON
514	459.3.1		C	ONSTRU	CTION

NAD 83/ 2001

END CONST -L-POT STA 22+70.84

**Roadway Standard Drawings** 

The "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2024 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

# EROSION & SEDIMENT CONTROL LE

<u>Std. #</u>	Description
1605.01	Temporary Silt Fence
1606.01	Special Sediment Control Fence
1622.01	Temporary Berms and Slope Drair
1630.02	Silt Basin Type B
1630.03	Temporary Silt Ditch
1630.04	Stilling Basin
1630.05	Temporary Diversion
1630.06	Special Stilling Basin
1630.07	Skimmer Basin
1630.08	Tiered Skimmer Basin
1630.09	Earthen Dam with Skimmer
	Infiltration Basin
1632.01	Rock Inlet Sediment Trap: Type A
1632.02	Туре В
1632.03	Туре С

## DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

![](_page_11_Figure_3.jpeg)

CON	TROL LEGEND	
<u>Std. #</u>	Description	Symbol
1633.01	Temporary Rock Silt Check Type A	
1633.02	Temporary Rock Silt Check Type B	
1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
1634.01	Temporary Rock Sediment Dam Type A	188853883 12006 1201
1634.02	Temporary Rock Sediment Dam Type B	
1635.01	Rock Pipe Inlet Sediment Trap Type A	
1635.02	Rock Pipe Inlet Sediment Trap Type B	B
1636.01	Excelsior Wattle Check	
1636.01	Excelsior Wattle Check with Flocculant	
1636.01	Coir Fiber Wattle Check	
1636.01	Coir Fiber Wattle Check with Flocculant	
1636.02	Silt Fence Excelsior Wattle Break	<b> -</b> EW <b>- </b>
	Silt Fence Coir Fiber Wattle Break	FCFW-
1636.03	Excelsior Wattle Barrier	EW-EW-EW-
1636.03	Coir Fiber Wattle Barrier	

PROJECT REFERENC	E NO.	SHEET NO.
HN-0029		EC-02
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER

![](_page_12_Picture_0.jpeg)

## SOIL STABILIZATION SUMMARY SHEET

### MATTING FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)	CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
4	4			LT	80						
				BTOTAL	80						
MISCELLANEC	DUS MATTING TO BE INSTALLED AS				1000						
					1080						
				SAI	1100						

![](_page_12_Picture_4.jpeg)

## MATTING FOR EROSION CONTROL

PROJECT REFERENCE NO	). SHEET NO.
HN-0029	<u>EC-3</u>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

### SITE DESCRIPTION

PERIMETER DIKES, SWALES, DITCHES AND

HIGH QUALITY WATER (HQW) ZONES

SLOPES STEEPER THAN 3:

SLOPES 3:1 TO 4:1

٠

ALL OTHER AREAS WITH SLOPES FLATTER

### DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

## SOIL STABILIZATION TIMEFRAMES

	STABILIZATION TIME	T/
SLOPES	7 DAYS	NONE
	7 DAYS	NONE
	7 DAYS	IF SLOPE NOT STE
		7 DAYS LENGTH
	IA DATS	7 DAYS PERIMETE
R THAN 4:1	I4 DAYS	7 DAYS PERIMETE

PROJECT REFERENCE NO	D. SHEET NO.
HN-0029	<u>EC-3</u> B
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

## IMEFRAME EXCEPTIONS

ES ARE IO' OR LESS IN LENGTH AND ARE EEPER THAN 2:1, 14 DAYS ARE ALLOWED.

FOR SLOPES GREATER THAN 50' IN WITH SLOPES STEEPER THAN 4:1.

FOR PERIMETER DIKES, SWALES, DITCHES ER SLOPES, AND HOW ZONES

FOR PERIMETER DIKES, SWALES, DITCHES ER SLOPES, AND HQW ZONES

![](_page_14_Figure_1.jpeg)

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HN-0029 EC NORTH CAROLINA DEPARTMENT OF TRANSPORTATIO L.L. ROADWAY DESIGN UNIT ROADWAY DESIGN ENGINEER NAD 83/ 2001 HYDRAULICS ENGINEER 95.96 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETE END CONST -L-/POT STA 22+70.84 . \_ . . . . . . \_ . . \_ \_\_\_\_\_ -L-N01°24'42.1"E

![](_page_15_Figure_0.jpeg)

![](_page_15_Figure_3.jpeg)

PROJECT REFERENCE NO	). SHEET NO.	
HN-0029	EC-5	
R/W SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	

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.

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