

**This electronic collection of documents is provided
for the convenience of the user
and is Not a Certified Document –**

**The documents contained herein were originally issued
and sealed by the individuals whose names and license
numbers appear on each page, on the dates appearing
with their signature on that page.**

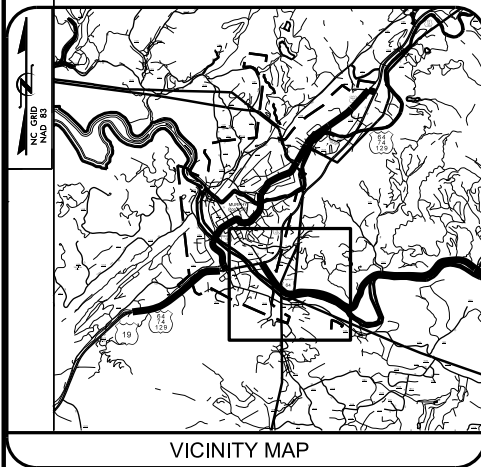
**This file or an individual page
shall not be considered a certified document.**

CONTRACT: DN00562 PROJECT: WBS#: 14B.102011

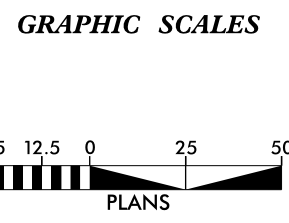
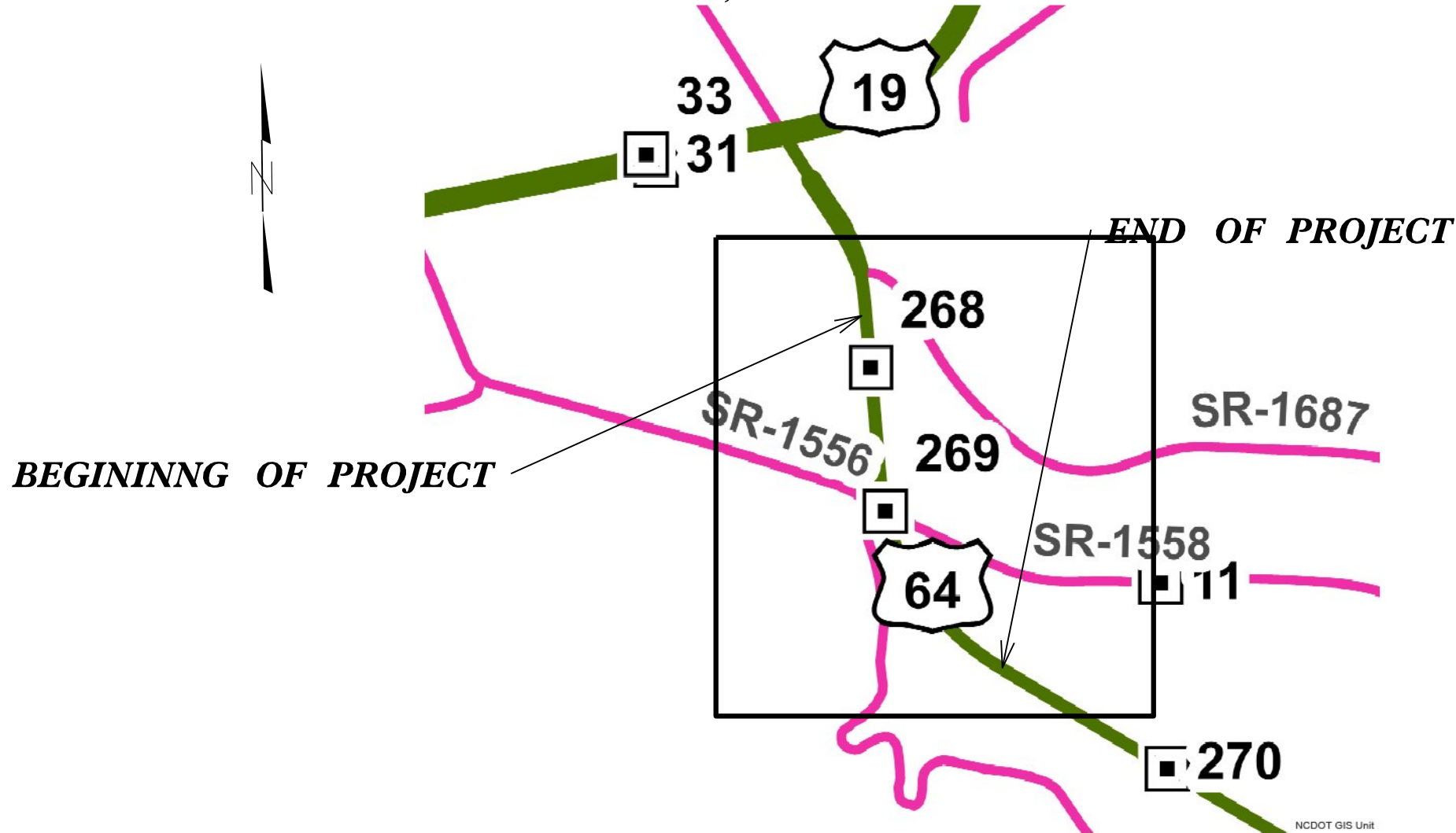
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CHEROKEE COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	WBS#: 14B.102011	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	



LOCATION 1: INTERSECTION OF US64 & OLD US64 SR1687
LOCATION 2: 1.0 MILE FROM INTERSECTION OF US64 & SR1687
TYPE OF WORK: GRADING, STONE BASE, MILLING, ASPHALT PAVING, TRAFFIC CONTROL, & PAVEMENT MARKING



PROJECT LENGTH

TOTAL LENGTH STATE PROJECT = 1.0 MILES

Prepared In the Office of:
DIVISION OF HIGHWAYS
191 Robbinsville Rd., Andrews, NC 28901

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: _____

LETTING DATE: _____

ANDY RUSSELL, P.E.
PROJECT ENGINEER

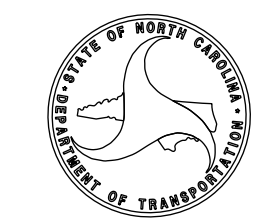
ALAN R. BROWN
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.

SIGNATURE: _____ P.E.



04/16/11

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	⊙
Property Corner	-----
Property Monument	⊠
Parcel/Sequence Number	Ⓣ
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	⊠
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	W.B.
Proposed Wetland Boundary	W.B.
Existing Endangered Animal Boundary	EAB
Existing Endangered Plant Boundary	EPB
Known Soil Contamination: Area or Site	☠ ☠
Potential Soil Contamination: Area or Site	☠ ?

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	⊙
Well	⊙
Small Mine	⊗
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	W.B.
Proposed Lateral, Tail, Head Ditch	-----
False Sump	⊠

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	⊙
Switch	⊠
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY:

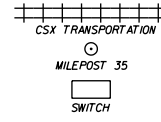
Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	-----
Proposed Right of Way Line	-----
Proposed Right of Way Line with Iron Pin and Cap Marker	⊙
Proposed Right of Way Line with Concrete or Granite R/W Marker	⊙
Proposed Control of Access Line with Concrete C/A Marker	⊙
Existing Control of Access	⊙
Proposed Control of Access	⊙
Existing Easement Line	-----
Proposed Temporary Construction Easement	-----
Proposed Temporary Drainage Easement	-----
Proposed Permanent Drainage Easement	-----
Proposed Permanent Drainage / Utility Easement	-----
Proposed Permanent Utility Easement	-----
Proposed Temporary Utility Easement	-----
Proposed Aerial Utility Easement	-----
Proposed Permanent Easement with Iron Pin and Cap Marker	◆

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	-----
Proposed Slope Stakes Fill	-----
Proposed Curb Ramp	Ⓢ
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	⊠

VEGETATION:

Single Tree	⊙
Single Shrub	⊙
Hedge	-----
Woods Line	-----



Orchard	-----
Vineyard	-----

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	-----
Bridge Wing Wall, Head Wall and End Wall	-----
MINOR:	
Head and End Wall	-----
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	⊠
Paved Ditch Gutter	-----
Storm Sewer Manhole	⊙
Storm Sewer	-----

UTILITIES:

POWER:	
Existing Power Pole	⊙
Proposed Power Pole	⊙
Existing Joint Use Pole	⊙
Proposed Joint Use Pole	⊙
Power Manhole	⊙
Power Line Tower	⊠
Power Transformer	⊠
U/G Power Cable Hand Hole	⊠
H-Frame Pole	⊙
Recorded U/G Power Line	-----
Designated U/G Power Line (S.U.E.*)	-----

TELEPHONE:

Existing Telephone Pole	⊙
Proposed Telephone Pole	⊙
Telephone Manhole	⊙
Telephone Booth	⊠
Telephone Pedestal	⊠
Telephone Cell Tower	⊙
U/G Telephone Cable Hand Hole	⊠
Recorded U/G Telephone Cable	-----
Designated U/G Telephone Cable (S.U.E.*)	-----
Recorded U/G Telephone Conduit	-----
Designated U/G Telephone Conduit (S.U.E.*)	-----
Recorded U/G Fiber Optics Cable	-----
Designated U/G Fiber Optics Cable (S.U.E.*)	-----

WATER:

Water Manhole	⊙
Water Meter	⊙
Water Valve	⊙
Water Hydrant	⊙
Recorded U/G Water Line	-----
Designated U/G Water Line (S.U.E.*)	-----
Above Ground Water Line	-----

TV:

TV Satellite Dish	⊙
TV Pedestal	⊠
TV Tower	⊙
U/G TV Cable Hand Hole	⊠
Recorded U/G TV Cable	-----
Designated U/G TV Cable (S.U.E.*)	-----
Recorded U/G Fiber Optic Cable	-----
Designated U/G Fiber Optic Cable (S.U.E.*)	-----

GAS:

Gas Valve	⊙
Gas Meter	⊙
Recorded U/G Gas Line	-----
Designated U/G Gas Line (S.U.E.*)	-----
Above Ground Gas Line	-----

SANITARY SEWER:

Sanitary Sewer Manhole	⊙
Sanitary Sewer Cleanout	⊙
U/G Sanitary Sewer Line	-----
Above Ground Sanitary Sewer	-----
Recorded SS Forced Main Line	-----
Designated SS Forced Main Line (S.U.E.*)	-----

MISCELLANEOUS:

Utility Pole	⊙
Utility Pole with Base	⊠
Utility Located Object	⊙
Utility Traffic Signal Box	⊠
Utility Unknown U/G Line	-----
U/G Tank; Water, Gas, Oil	⊠
Underground Storage Tank, Approx. Loc.	⊠
A/G Tank; Water, Gas, Oil	⊠
Geoenvironmental Boring	⊙
U/G Test Hole (S.U.E.*)	⊙
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

INDEX OF SHEETS

1	TITLE SHEET
1-A	INDEX OF SHEETS, GENERAL NOTES AND LIST OF STANDARDS
1-B	CONVENTIONAL SYMBOLS
4-6	PLAN SHEET
PMP-1 - PMP-4	PAVEMNT MARKING PLAN

GENERAL NOTES

GENERAL NOTES: 2012 SPECIFICATIONS
EFFECTIVE: 01-17-2012

- CARE SHALL BE TAKEN TO PREVENT DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION. ANY DAMAGE TO THESE UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY.
- UTILITIES ON THIS PROJECT ARE:
TELEPHONE- FRONTIER COMMUNICATIONS
FIBER- BALSAM WEST FIBER
POWER- MURPHY POWER
- NO SUBSURFACE PLANS ARE AVIABLE ON THIS PROJECT. CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION

LIST OF ROADWAY STANDARDS

2012 ROADWAY STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" - Highway Design Branch - N.C. Department of Transportation - Raleigh, N.C., dated January 17, 2012 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

STD. NO.	TITLE
DIVISION 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation
DIVISION 8 - INCIDENTALS	
840.31	Concrete Junction Box - 12" thru 66" Pipe
852.01	Concrete Islands
846.01	Concrete Curb, Gutter, and Curb & Gutter
DIVISION 11 - WORK ZONE TRAFFIC CONTROL	
1110.01	Stationary Work Zone Signs
1110.02	Portable Work Zone Signs
1150.01	Flagging Devices
DIVISION 12 - PAVEMENT MARKERS AND DELINEATION	
1205.01	Pavement Marking Lines
1205.02	Pavement Marking Lines Two-Lane And Multi-Lane Roadway
1250.01	Raised Pavement Markings
1205.05	Turn Lanes
DIVISION 16 - EROSION CONTROL AND ROADSIDE DEVELOPMENT	
1605.01	Temporary Silt Fence
1632.02	Rock inlet Sediment Trap Type A

5/14/99



BEGIN PROJECT 0+00

US 64

BEGIN 0" -2" MILLING AT STA 0+31
TO END OF APPROACH SLAB AT STA 0+81.
REPLACE WITH 0" -2" 9.5B

END AT STA 0+98
0" -2" ASPHALT
MILLING TO
BE REPLACED
WITH S9.5B

NOTE:
ALL PAVEMENT MARKERS TO BE
REPLACED PER STANDARD & SPECIFICATIONS
BEFORE TRAFFIC IS OPEN
TO TRAVELING PUBLIC

END APPROACH SLAB
0+81

END APPROACH SLAB
0+98

END BRIDGE
1+06

END BRIDGE
1+23

2" CONCRETE MILLING
OF APPROACH SLAB

NOTE:
MILLED AREA SHALL BE UNIFORM AND
CLEAN TO ALLOW FOR
PROPER TACKING AND ASPHALT
REPLACEMENT

END 2" CONCRETE MILLING ON
APPROACH SLAB AT STA 1+23

NOTE:
FROM STA 0+00 TO STA 11+60
WILL BE A DETOUR SETUP BY NCDOT
FORCES

SR 1687 (OLD US 64)

HIAWASSE RIVER

MATCHLINE -L- STA 3+40

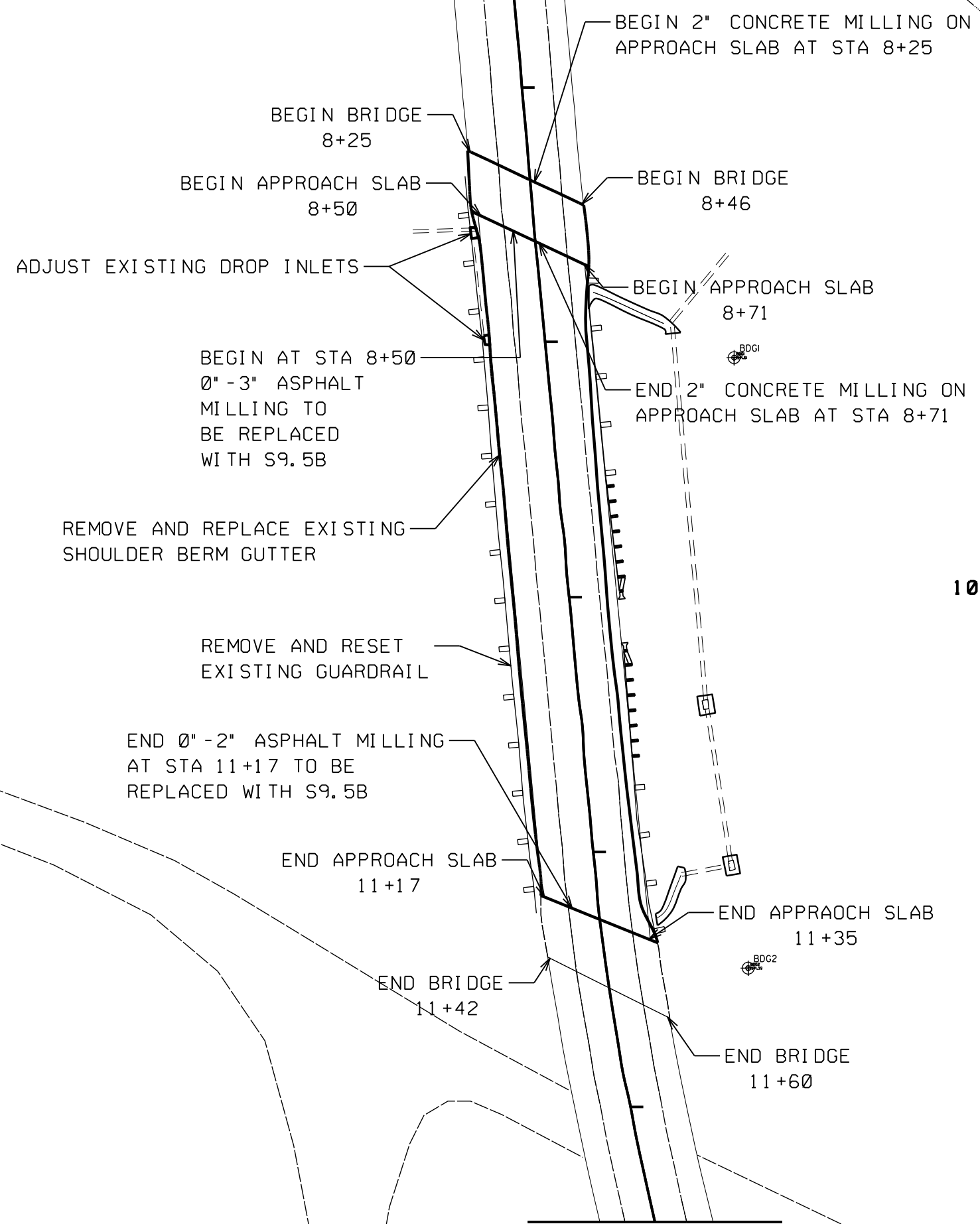
30-MAY-2017 12:02
Edge_Slab.dwg
1-2\UPDATE\R-9774BRG1-2.L.S.dtl.Ref.dgn
R-9774-Bridge
1-23

5/14/99

MATCHLINE -L- STA 7+41



HIAWASSE RIVER



10

NOTE:
ALL PAVEMENT MARKERS TO BE REPLACED PER STANDARD & SPECIFICATIONS BEFORE TRAFFIC IS OPEN TO TRAVELING PUBLIC

NOTE:
FROM STA 0+00 TO STA 11+60 WILL BE A DETOUR SETUP BY NCDOT FORCES

MATCHLINE -L- STA 12+46

22-JUN-2017 13:52
C:\Users\steve\AppData\Local\Temp\1-2\UPDATE\9777A-Bridge 1-2\UPDATE\9777A-Bridge 1-2.LS.dtl.dsn.STA.dgn

5/14/99



MATCHLINE -L- STA 36+41

BEGIN 2" MILLING AT
STA 39+30 WEDGE
WITH 2" I19.0B & 2" S9.5B

NOTE:
TRAFFIC CONTROL
FOR WORK CONDUCTED
FROM STA 36+41 TO
EOP STA 44+00 WILL
BE PERFORMED BY
CONTRACTOR FORCES

40

NOTE:
ALL PAVEMENT MARKERS TO BE
REPLACED PER STANDARD & SPECIFICATIONS
BEFORE TRAFFIC IS OPEN
TO TRAVELING PUBLIC

END 2" MILLING AT STA 41+07
WEDGE WITH 2" I19.0B & 2" S9.5B

END PROJECT 44+00

US 64

22-JUN-2017 13:57
C:\Users\pcoch\OneDrive\Documents\1-2\UPDATE\977A-Bridge 1-2\UPDATE\977bridge1-2.LS.dtl.dsn.STA.dgn

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**PAVEMENT MARKINIG PLAN
CHEROKEE COUNTY**

LOCATION 1: INTERSECTION OF US64 & OLD US64 SR1687

LOCATION 2: 1.0 MILE FROM INTERSECTION OF US64 & SR1687

CONTRACT: DN00562 PROJECT: WBS#: 14B.102011

INDEX

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
PMP-1	PAVEMENT MARKING PLAN TITLE AND SCHEDULE SHEET
PMP-2 THRU PMP-4	PAVEMENT MARKING DETAIL

GENERAL NOTES

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THEIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS

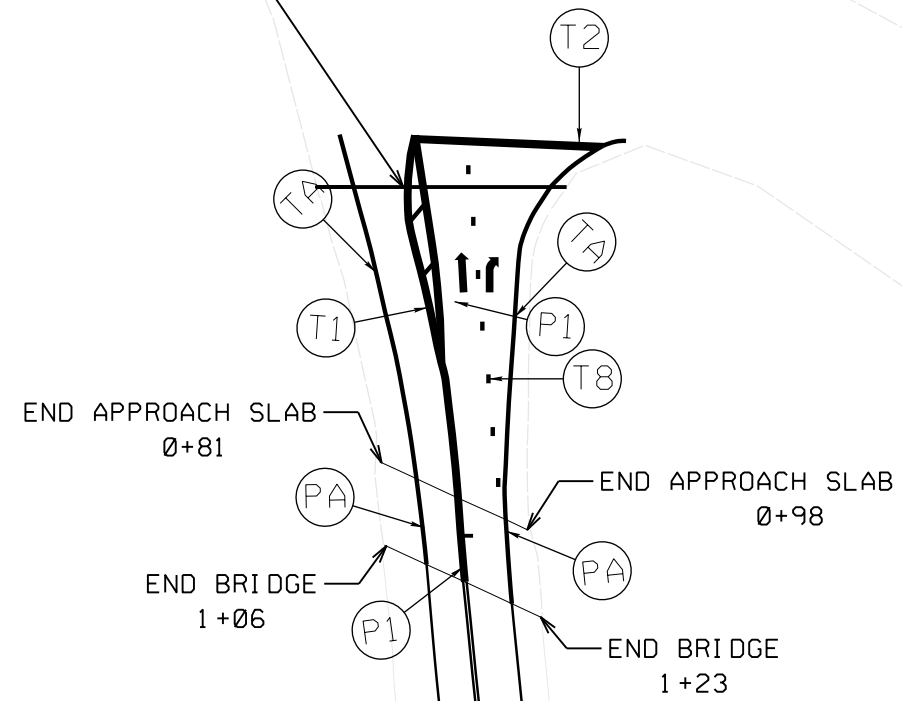
<u>STD. NO.</u>	<u>TITLE</u>
I205.01	PAVEMENT MARKING - LINE TYPES AND OFFSETS
I205.02	PAVEMENT MARKING - TWO LANE AND MULTILANE ROADWAYS
I205.04	PAVEMENT MARKING - INTERSECTIONS
I250.01	RAISED PAVEMENT MARKERS- INSTALLATION SPACING
I253.01	RAISED PAVEMENT MARKERS - SNOWPLOWABLES
I261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
I261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
I262.01	GUARDRAIL END DELINEATION

ROADWAY STANDARD DRAWING

<u>SHEET NO.</u>	<u>DESCRIPTION</u>	
		PAVEMENT MARKINGS
T2	WHITE STOPBAR	THERMOPLASTIC (24", 120 MIL)
T8	2 FT. - 6 FT SP WHITE MINISKIP	THERMOPLASTIC (4", 120 MIL)
TI	YELLOW DOUBLE CENTER LINE	
TA	WHITE EDGELINE	THERMOPLASTIC (4", 90 MIL)
PA	WHITE EDGE LINE	PAIN
PI	YELLOW DOUBLE CENTER	
		MARKERS
ME	YELLOW & YELLOW	SNOWPLOWABLE RAISED PAVEMENT MARKERS

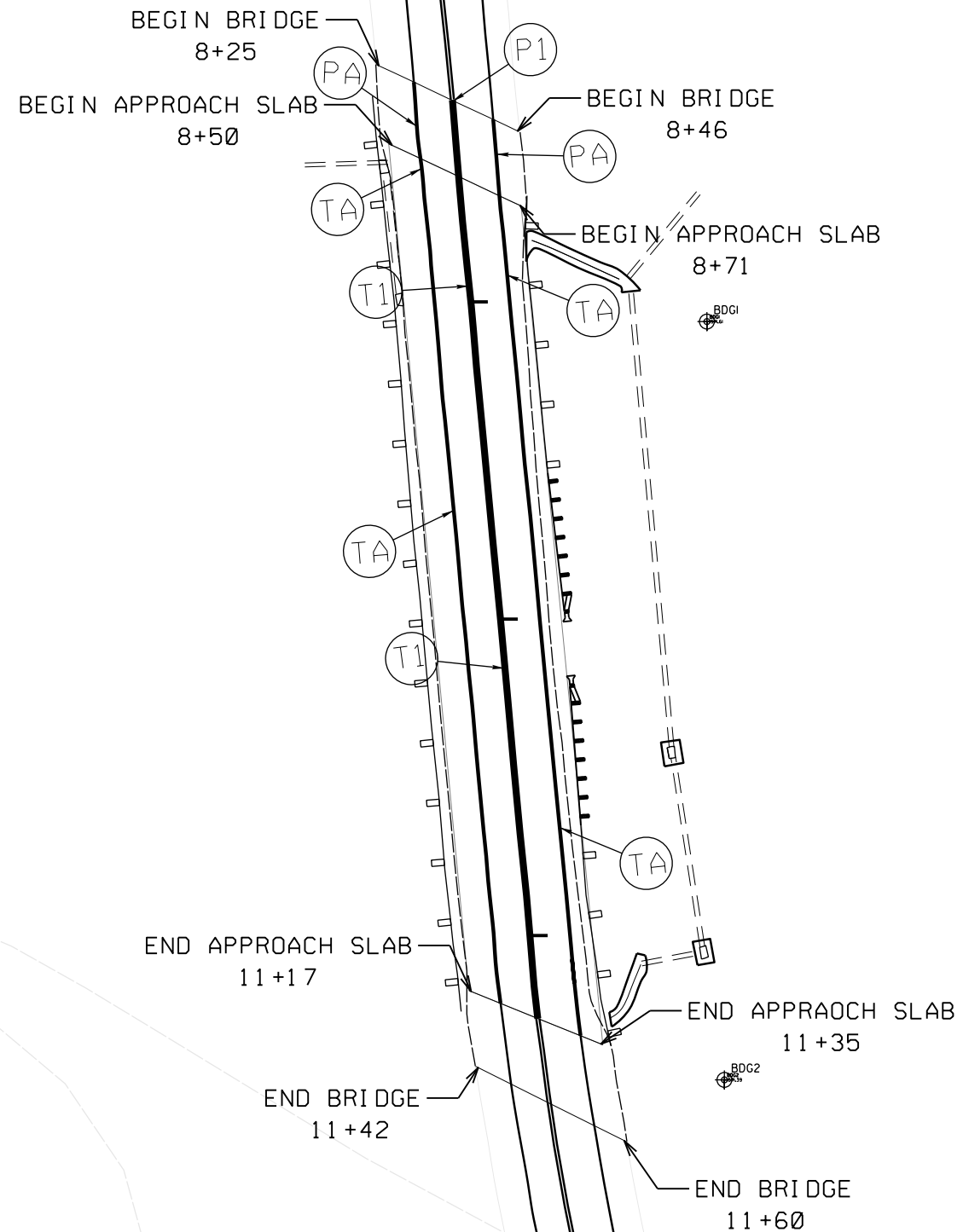


BEGIN PROJECT 0+00



NOTE:
ALL PAVEMENT MARKERS TO BE
REPLACED PER STANDARD & SPECIFICATIONS
BEFORE TRAFFIC IS OPEN
TO TRAVELING PUBLIC

MATCHLINE -L- STA 7+41



10

NOTE:
ALL PAVEMENT MARKERS TO BE
REPLACED PER STANDARD & SPECIFICATIONS
BEFORE TRAFFIC IS OPEN
TO TRAVELING PUBLIC

MATCHLINE -L- STA 12+46



MATCHLINE -L- STA 36+41

PASSING ZONE BEGIN 10' SKIPS
30' SPACING

40

NOTE:
ALL PAVEMENT MARKERS TO BE
REPLACED PER STANDARD & SPECIFICATIONS
BEFORE TRAFFIC IS OPEN
TO TRAVELING PUBLIC

NOTE:
TRAFFIC CONTROL
FOR WORK CONDUCTED
FROM STA 36+41 TO
EOP STA 44+00 WILL
BE PERFORMED BY
CONTRACTOR FORCES

END PROJECT 44+00

