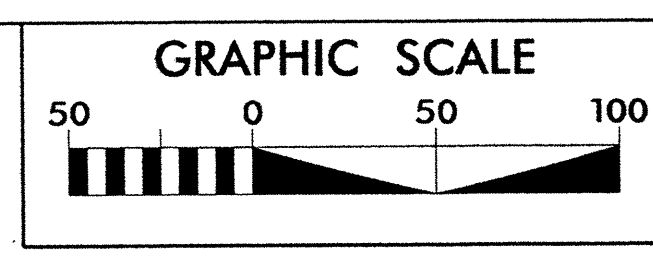
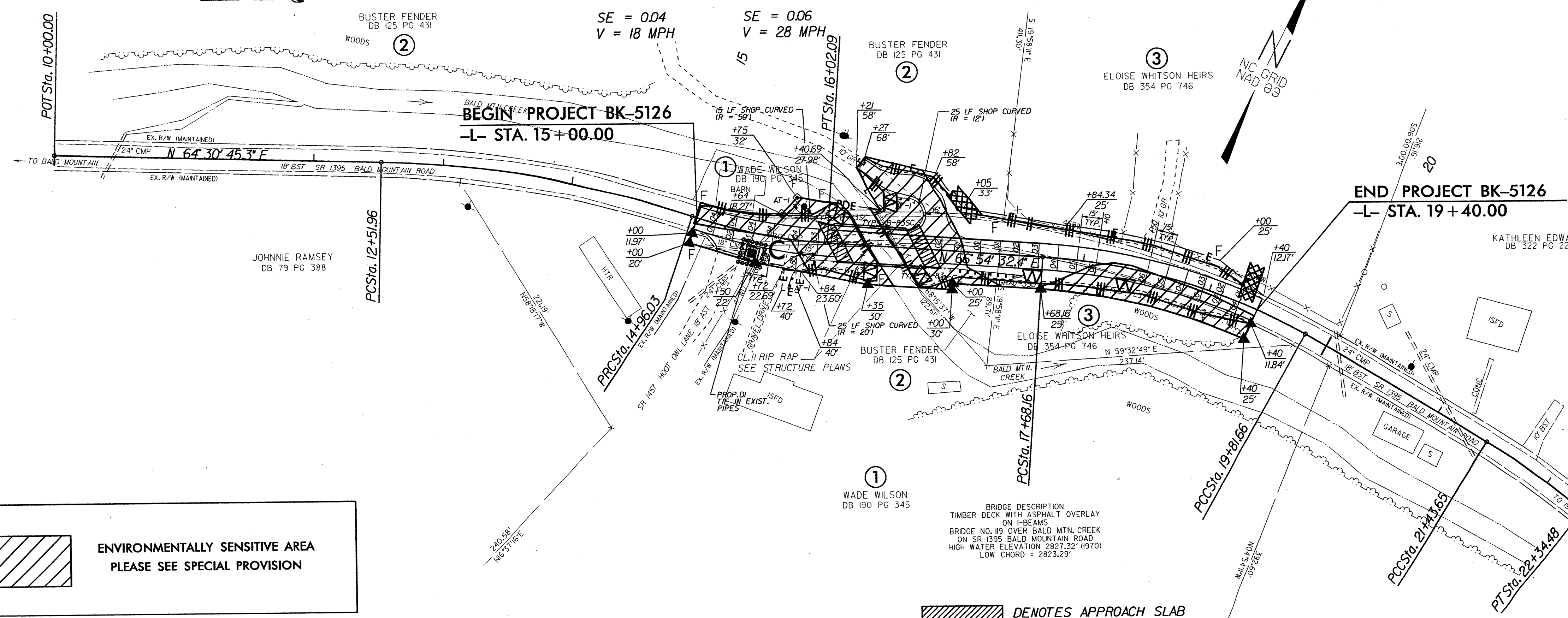


# EROSION CONTROL PLAN



PROJECT REFERENCE NO. <b>BK-5126</b>		SHEET NO.	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



ENVIRONMENTALLY SENSITIVE AREA  
PLEASE SEE SPECIAL PROVISION

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY.

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

DENOTES APPROACH SLAB

**2012 STANDARD DRAWINGS**

<ul style="list-style-type: none"> <li>1604.01 Railroad Erosion Control Detail</li> <li>1605.01 Temporary Silt Fence</li> <li>1606.01 Special Sediment Control Fence</li> <li>1607.01 Gravel Construction Entrance</li> <li>1622.01 Temporary Berms and Slope Drains</li> <li>1630.01 Riser Basin</li> <li>1630.02 Silt Basin Type B</li> <li>1630.03 Temporary Silt Ditch</li> <li>1630.04 Stilling Basin</li> <li>1630.05 Temporary Diversion</li> <li>1630.06 Special Stilling Basin</li> <li>1631.01 Matting Installation</li> </ul>	<ul style="list-style-type: none"> <li>1632.01 Rock Inlet Sediment Trap Type A</li> <li>1632.02 Rock Inlet Sediment Trap Type B</li> <li>1632.03 Rock Inlet Sediment Trap Type C</li> <li>1633.01 Temporary Rock Silt Check Type A</li> <li>1633.02 Temporary Rock Silt Check Type B</li> <li>1634.01 Temporary Rock Sediment Dam Type A</li> <li>1634.02 Temporary Rock Sediment Dam Type B</li> <li>1635.01 Rock Pipe Inlet Sediment Trap Type A</li> <li>1635.02 Rock Pipe Inlet Sediment Trap Type B</li> <li>1640.01 Coir Fiber Baffle</li> <li>1645.01 Temporary Stream Crossing</li> </ul>
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**ROADSIDE ENVIRONMENTAL UNIT**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
RALEIGH, N.C.

**2012 STANDARD SPECIFICATIONS**

Std. #	Description	Symbol
1605.01	Temporary Silt Fence .....	
1606.01	Special Sediment Control Fence .....	
1622.01	Temporary Berms and Slope Drains .....	
1630.06	Special Stilling Basin	
1632.03	Rock Inlet Sediment Trap Type C .....	
1633.01	Temporary Rock Silt Check Type A .....	

PROJECT NO. 42577  
COUNTY: YANCEY  
STATION: 16+20.00 -L-  
REPLACES BRIDGE NO. 119

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

BRIDGE NO. 119 ON SR 1395  
OVER BALD MOUNTAIN CREEK

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

EC-1  
TOTAL SHEETS  
3

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

## ***SOIL STABILIZATION TIMEFRAMES***

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

PROJECT NO. 42577  
COUNTY: YANCEY  
STATION: 16+42.50  
REPLACES BRIDGE NO. 119

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

BRIDGE NO. 119 ON SR 1395  
OVER BALD MOUNTAIN CREEK

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	EC-2
1			2			TOTAL SHEETS 3
2			4			

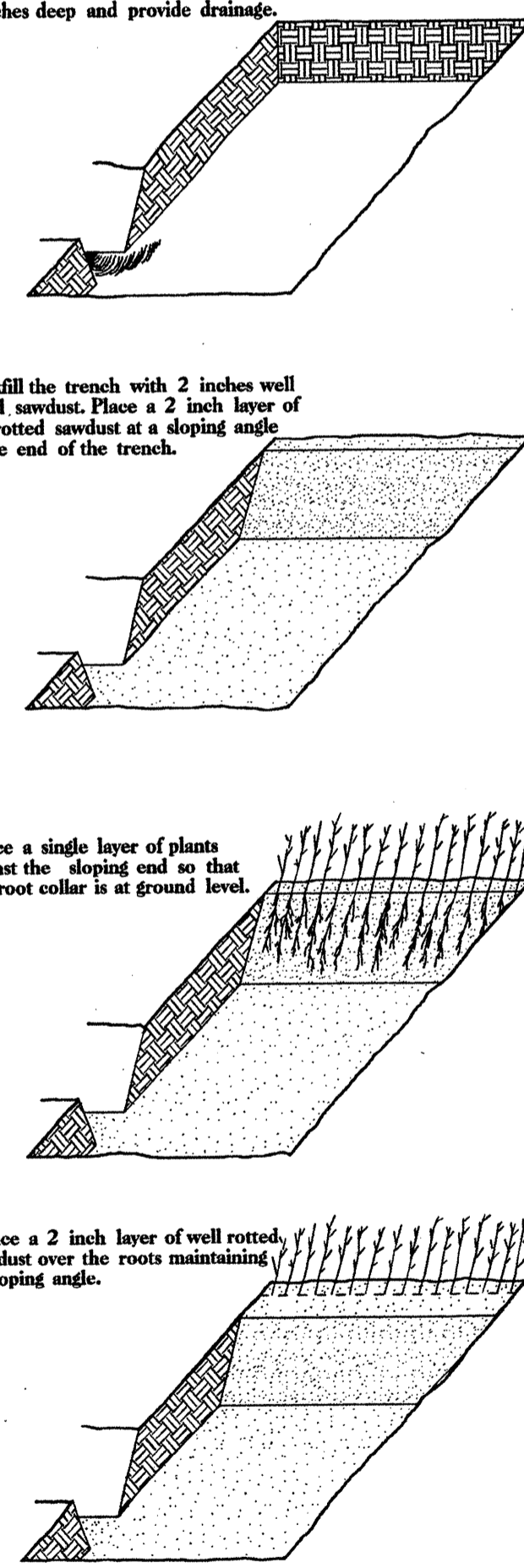
NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

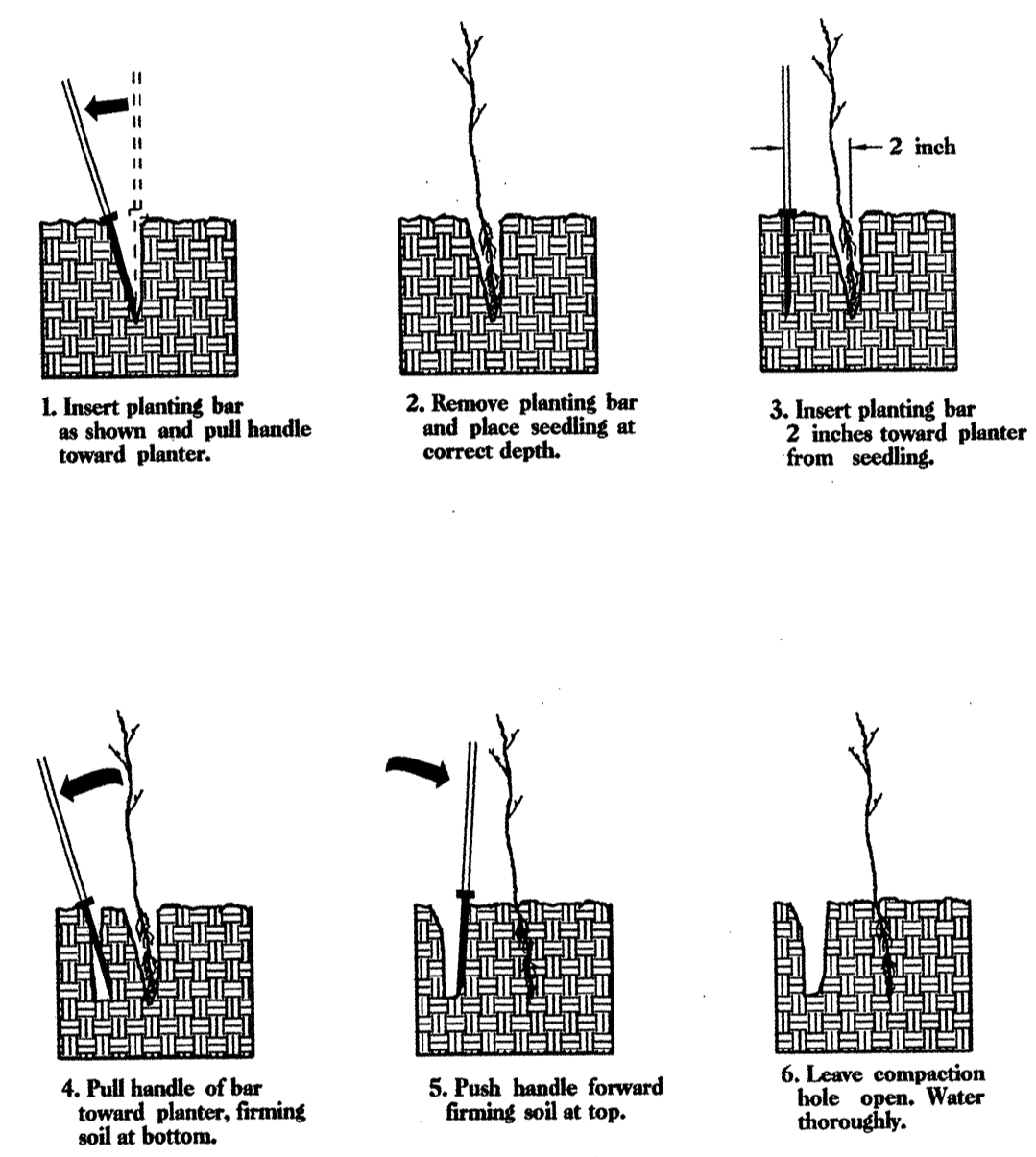
**PLANTING DETAILS**  
 SEEDLING / LINER BAREROOT PLANTING DETAIL

**HEALING IN**

1. Locate a healing-in site in a shady, well protected area.
2. Excavate a flat bottom trench 12 inches deep and provide drainage.
3. Backfill the trench with 2 inches well rotted sawdust. Place a 2 inch layer of well rotted sawdust at a sloping angle at one end of the trench.
4. Place a single layer of plants against the sloping end so that the root collar is at ground level.
5. Place a 2 inch layer of well rotted sawdust over the roots maintaining a sloping angle.
6. Repeat layers of plants and sawdust as necessary and water thoroughly.



**DIBBLE PLANTING METHOD USING THE KBC PLANTING BAR**



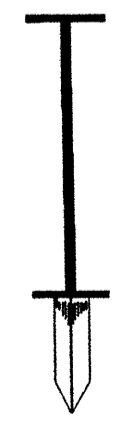
1. Insert planting bar as shown and pull handle toward planter.
2. Remove planting bar and place seedling at correct depth.
3. Insert planting bar 2 inches toward planter from seedling.
4. Pull handle of bar toward planter, firming soil at bottom.
5. Push handle forward firming soil at top.
6. Leave compaction hole open. Water thoroughly.

**PLANTING NOTES:**

**PLANTING BAG**  
 During planting, seedlings shall be kept in a moist canvas bag or similar container to prevent the root systems from drying.



**KBC PLANTING BAR**  
 Planting bar shall have a blade with a triangular cross section, and shall be 12 inches long, 4 inches wide and 1 inch thick at center.



**ROOT PRUNING**  
 All seedlings shall be root pruned, if necessary, so that no roots extend more than 10 inches below the root collar.

**REFORESTATION**

- TREE REFORESTATION SHALL BE PLANTED 6 FT. TO 10 FT. ON CENTER, RANDOM SPACING, AVERAGING 8 FT. ON CENTER, APPROXIMATELY 680 PLANTS PER ACRE.

**REFORESTATION**  
 MIXTURE, TYPE, SIZE, AND FURNISH SHALL CONFORM TO THE FOLLOWING:

40% PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	12 in - 18 in BR
30% FRAXINUS PENNSYLVANICA	GREEN ASH	12 in - 18 in BR
30% BETULA NIGRA	RIVER BIRCH	12 in - 18 in BR

**REFORESTATION DETAIL SHEET**  
 N.C.D.O.T. - ROADSIDE ENVIRONMENTAL UNIT

PROJECT NO. 42577  
 COUNTY: YANCEY  
 STATION: 16+42.50  
 REPLACES BRIDGE NO. 119

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

BRIDGE NO. 119 ON SR 1395  
 OVER BALD MOUNTAIN CREEK

REVISIONS				SHEET NO.	
NO.	BY	DATE	NO.	BY	DATE
1			2		
2			4		

EC-3  
 TOTAL SHEETS: 3