

North Carolina Department of Transportation

NEPA/SEPA Consultation Form

STIP Project No.	<u>BR-0119</u>
WBS Element	<u>48828.3.1</u>
Federal Aid Project No.	<u>2020001</u>

A. Project Description, Location, and Purpose:

This project is comprised of the replacement of Bridge No. 730109 over Grindle Creek on SR 1514 (Staton Mill Road) in Pitt County, North Carolina. This bridge will be replaced on the existing alignment while detouring traffic offsite.

The proposed bridge will be 92.25 feet long with a minimum clear roadway width of 30.8 feet. The approach roadway lengths are 272.41 feet and 265.34 feet on the south and north ends of the bridge, respectively, using two-foot paved shoulders.

The replacement of Bridge No. 730109 is part of the *Growing Rural Economy and Agriculture through Transportation and Technology Enhancement or Replacement in North Carolina (GREATTER-NC) Project*, under the *United States Department of Transportation 2018 Better Utilizing Investments to Leverage Development (BUILD) Grant* program.

The purpose of the grant and this bridge replacement project is to provide transportation infrastructure to support economic development and to improve the physical and digital connectivity in rural communities in North Carolina. The existing, posted weight-restriction on Bridge No. 730109 prohibits large or heavy vehicles, typically used in transporting agricultural and manufactured, products from using the bridge. Vehicles above the posted weight must detour 7 miles to avoid the bridge. Replacing the existing bridge will eliminate posted weight limits by providing a safe crossing for all legal loads, and will create accommodations for broadband installation, to support economic competitiveness.

B. Consultation Phase: (Check one)

- Right-of-Way
- Construction
- Other:

C. NEPA/SEPA Class of Action Initially Approved as: (Check one)

- FHWA Class II (CE) 09/05/2019

Additional Notes: **Type I-A**

D. Changes in Proposed Action & Environmental Consequences:

Design Changes

No major design changes have occurred since the signing of the CE and no additional impacts to any resources have occurred due to these design changes.

Water Resources

Water resources in the study area are part of the Tar-Pamlico River basin [United States Geological Survey (USGS) Hydrologic Unit 03020103]. Water resources have not changed since the NRTR and CE were completed and the issuances of the USACE permit and DWR Water Quality Certification and Buffer Authorization in February 2020. Two streams, Grindle Creek and SA (Unnamed tributary to Grindle Creek) were identified in the study area. The project is located in the Tar-Pamlico Buffer Basin and Grindle Creek is subject to the Tar-Pamlico Buffer rules. No wetlands were identified within the study area.

Protected Species

As of October 22, 2020, the United States Fish and Wildlife (USFWS) lists six federally protected species, under the Endangered Species Act (ESA), for Pitt County. The National Oceanic and Atmospheric Administration (NOAA) – National Marine Fisheries Service (NMFS) also lists the Atlantic sturgeon as potentially occurring in the Tar-Pamlico River Basin in Pitt County. A review of NHP records on October 22, 2020 indicates no known new occurrences of any listed species within 1.0 mile of the project area. For each species, a discussion of the presence or absence of habitat is included in the table below along with the Biological Conclusion rendered based on survey results in the study area.

Scientific Name	Common Name	Federal Status	Habitat Present	Biological Conclusion
Alligator mississippiensis	American Alligator	T (S/A)	No	No Effect
Picoides borealis*	Red-cockaded woodpecker	E	No	No Effect
Trichechus manatus	West Indian Manatee	E	No	No Effect
Acipenser oxyrinchus oxyrinchus^	Atlantic sturgeon	E	No	No Effect
Alasmidonta heterodon	Dwarf wedgemussel	E	Yes	No Effect
Parvaspina steinstansana	Tar River spiny mussel	E	Yes	No Effect
Elliptio lanceolata	Yellow lance	T	No	No Effect

E- Endangered; T-Threatened; S/A- Similar appearance; ^NMFS

*- Historic record (the species was last observed in the county more than 50 years ago)

Northern long-eared bat (NLEB)

The USFWS has developed a Programmatic Biological Opinion (PBO) in conjunction with the Federal Highway Administration (FHWA), USACE, and NCDOT for the NLEB (*Myotis septentrionalis*) in eastern North Carolina. The PBO covers the entire NCDOT program in

Divisions 1-8, including all NCDOT projects and activities. The programmatic determination for NLEB for the NCDOT program is May Affect, Likely to Adversely Affect. The PBO provides incidental take coverage for NLEB and will ensure compliance with Section 7 of the Endangered Species Act for five years for all NCDOT projects with a federal nexus in Divisions 1-8, which includes Pitt County, where this project is located. This level of incidental take is authorized from the effective date of final listing through December 31, 2020 (the USFWS, FHWA, USACE, and NCDOT are coordinating to reinstate Section 7 to extend the PBO beyond this date).

Archeology/Historic Architecture

NCDOT has reviewed the Section 106 effects findings for historic properties within the project’s area of potential effects (APE), that were made as part of the NEPA analysis. NCDOT has confirmed there is no new information that would alter the original Section 106 findings and, therefore, they remain valid.

E. Conclusion:

The above NEPA/SEPA documentation has been reevaluated (as required by either 23 CFR 771 or by NC General Statute Chapter 113A Article 1). It has been determined that the current proposed action is essentially the same as the original proposed action. Proposed changes, if any, are noted in Section D. It has been determined that anticipated social, economic, and environmental impacts were accurately described in the above referenced document(s) unless noted otherwise herein. Therefore, the original Administration Action remains valid.

F. Coordination

NCDOT personnel have discussed the current project parameters with qualified NCDOT representatives and FHWA (where applicable). The NCDOT Project Manager, Jacquelyn Bowles, hereby verifies the involvement of the following staff and the incorporation of their technical input:

KCA Design Engineer:	Sam Cullum	10/07/2020
KCA Structures Engineer:	Jacob Duke	10/07/2020
NCDOT Environmental Specialist:	Deanna Riffey	10/22/2020
NCDOT Cultural Resources:	Jamie Lancaster	10/12/2020
NCDOT Hydraulics:	Brian Radakovic	11/2/2020

G. Consultation Approval for NCDOT Project BR-0119

Prepared By:

11/23/2020

Date

DocuSigned by:

J. W. Stroud

Wilson Stroud, Project Management Unit

NCDOT

11/23/2020

Date

DocuSigned by:

Allison N. Woodall

Allison Woodall, Transportation Engineering Associate
NCDOT

Prepared For:

DocuSigned by:

Jacquelyn Bowles

Jacquelyn Bowles, PE
NCDOT, Structures Management Unit

Reviewed By:

11/30/2020

Date

DocuSigned by:

Colin Mellor

Colin Mellor, Team Lead
NCDOT, Environmental Policy Unit



Approved

In adherence with 23 CFR 771 (NEPA) or NC General Statute Chapter 113A Article 1 (SEPA), NCDOT approves this Consultation.

or



Certified

NCDOT staff certifies if FHWA signature was previously required or where changes have resulted in FHWA signature being required.

11/23/2020

Date

DocuSigned by:

David Stutts

David Stutts, PE – Project Engineer – PEF/Program Management
North Carolina Department of Transportation

FHWA Approved: FHWA signature required for Type I(B) CE, Type II(B) CE, Type III CE, FONSI or ROD.

Date

N/A

John F. Sullivan, III, PE, Division Administrator
Federal Highway Administration

H. Project Commitments (as of 11/02/2020)

Pitt County
Replace Bridge No. 730109 over Grindle Creek on SR 1514 (Staton Mill Road)
WBS No. 48828.3.1
TIP No. BR-0119

Updates to the project commitments as shown in the CE are shown below in *italics*.

NCDOT Division 2 – Emergency Services:

Pitt County emergency services shall be notified (252) 902-3950 of project construction at least one month prior to beginning of construction to make necessary temporary reassignment to primary response units.

NCDOT Division 2 – Access:

Access will be maintained throughout construction for the adjacent properties, the dirt road, and the drainage district access drives and gates located north of the bridge.

NCDOT Hydraulics Unit & Division 2 – FEMA Coordination:

The Hydraulics Unit will coordinate with the NC Floodplain Mapping Program (FMP), to determine status of project with regard to applicability of NCDOT'S Memorandum of Agreement, or approval of a Conditional Letter of Map Revision (CLOMR) and subsequent final Letter of Map Revision (LOMR).

Update: Coordination resulted in approval on January 13, 2020 for the FEMA NFIP (National Flood Insurance Program) under NCDOT's MOA with the FMP. This commitment has been completed.

This project involves construction activities on or adjacent to FEMA-regulated stream(s). Therefore, the Division shall submit sealed as-built construction plans to the Hydraulics Unit upon completion of project construction, certifying that the drainage structure(s) and roadway embankment that are located within the 100-year floodplain were built as shown in the construction plans, both horizontally and vertically.

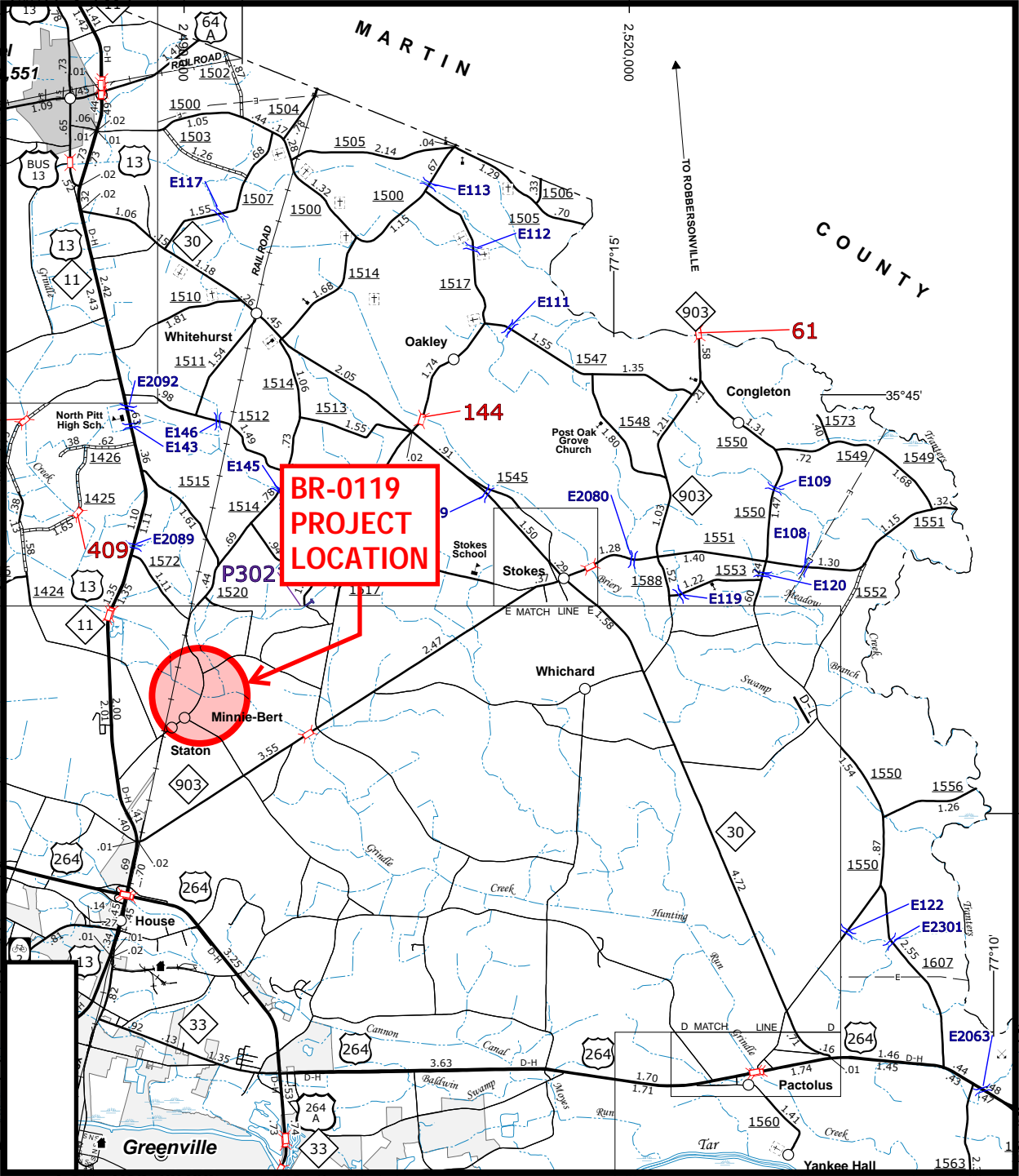
NCDOT Biological Surveys Group (BSG):

Habitat evaluations and biological conclusions for the listed aquatic species will be provided by the NCDOT – Biological Surveys Group (BSG) prior to permitting and/or construction.

Update: The NCDOT Biological Surveys group provided biological conclusions on 10/22/20. This commitment has been completed.

Commitments from Permitting:

No additional special commitments were added during permitting.



**BR-0119
PROJECT
LOCATION**



144

61

409

Minnie-Bert

Staton

Stokes School

Stokes

Whichard

Congleton

Whitehurst

Oakley

Post Oak Grove Church

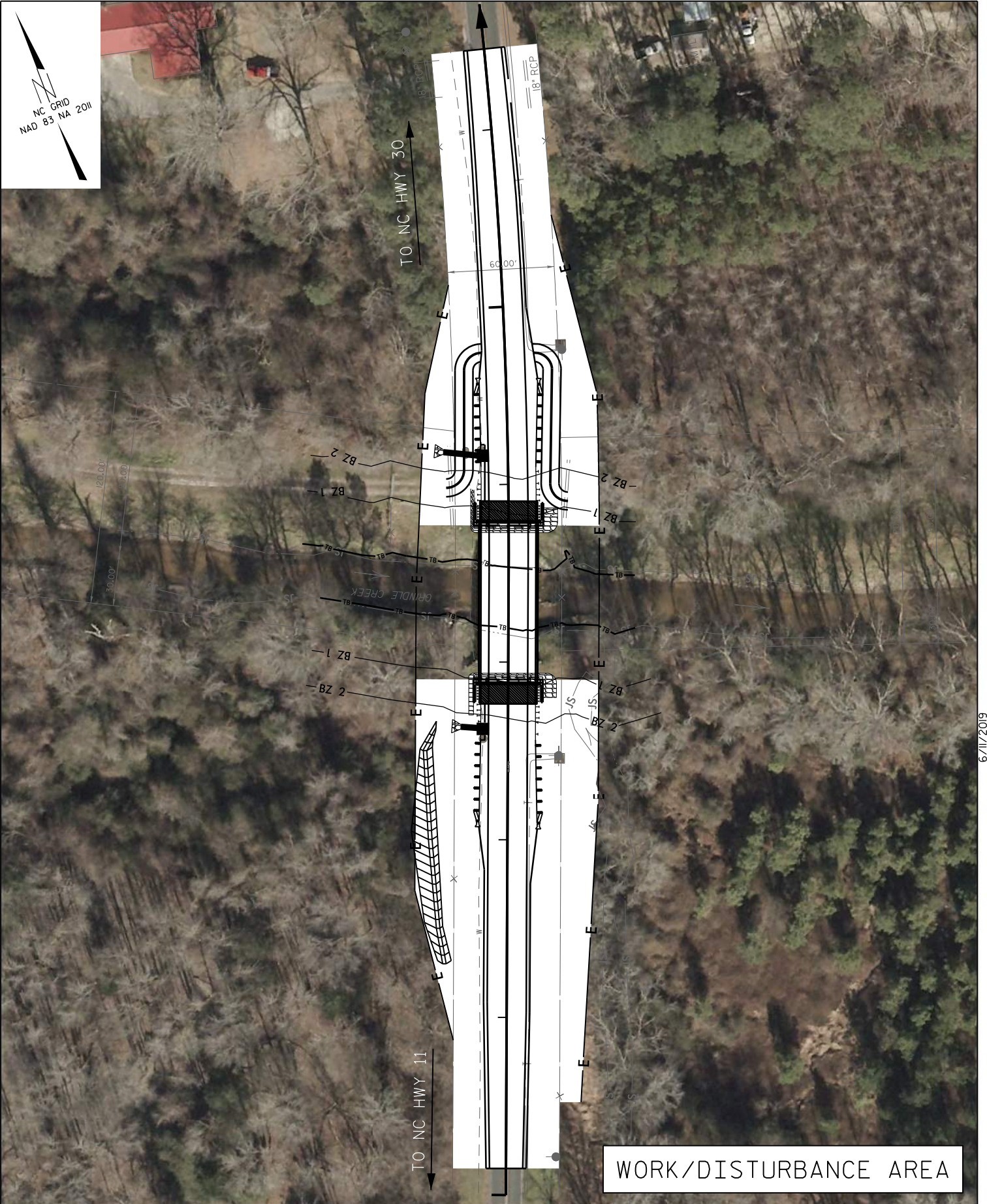
North Pitt High Sch.

House

Pactolus

Greenville

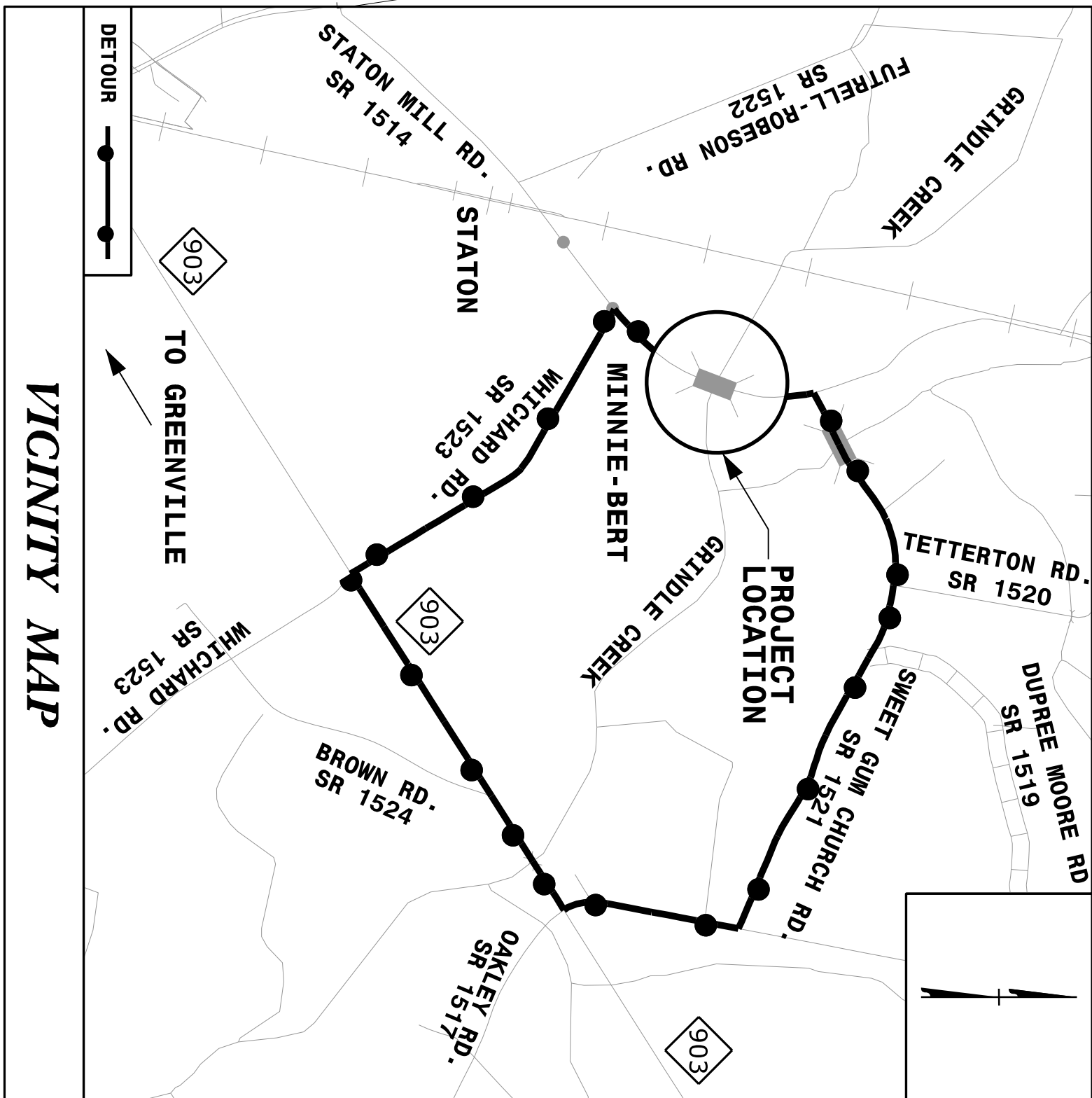
Yankee Hall



CONTRACT: C204521

TIP PROJECT: BR-0119

See Sheet 1A For Index of Sheets

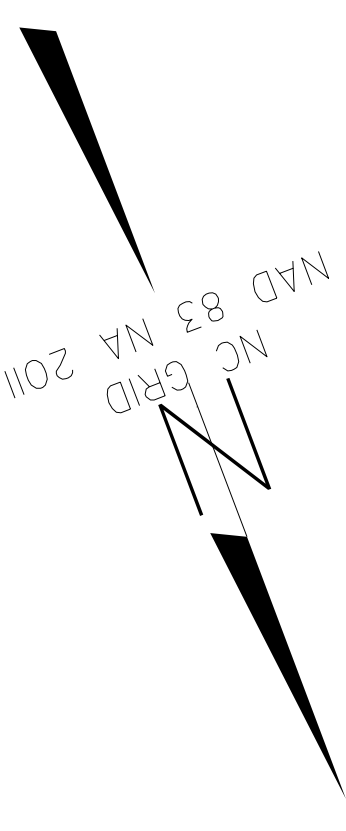
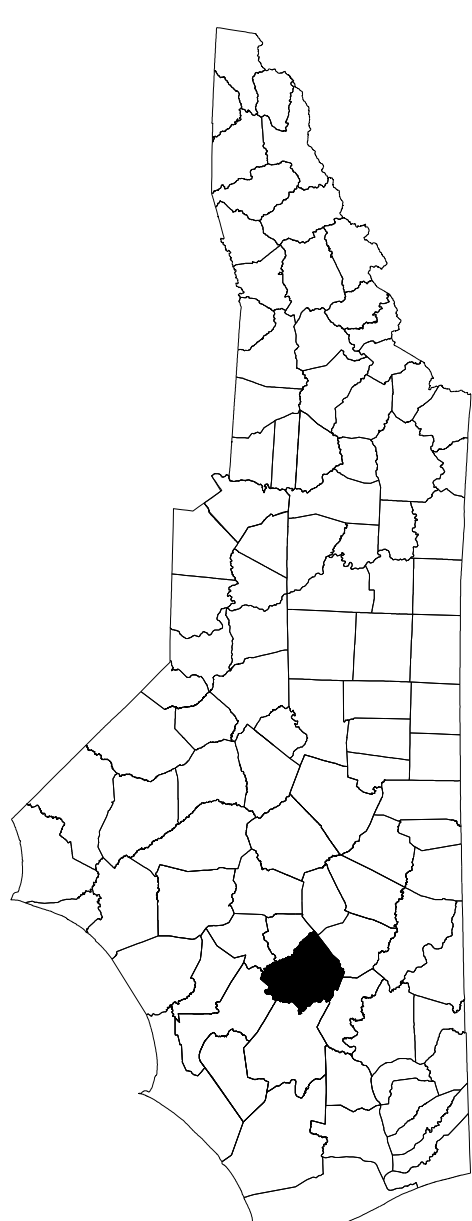


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

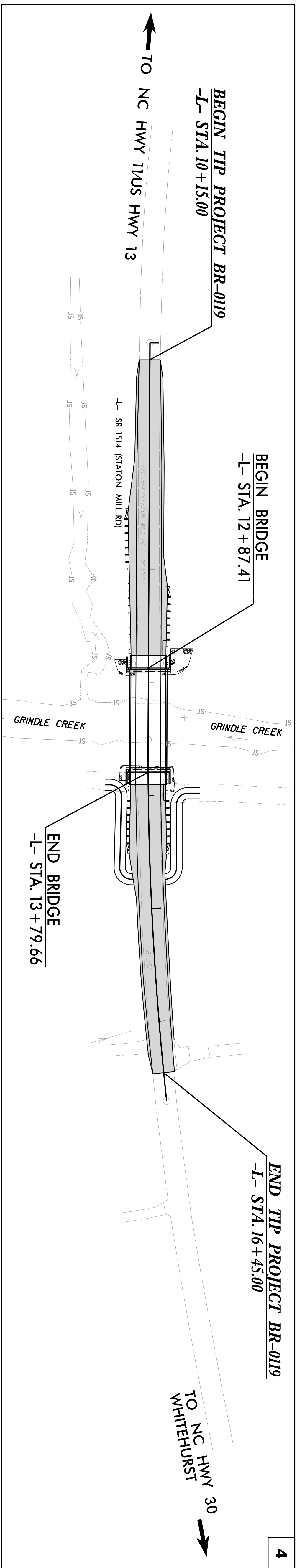
PITT COUNTY

LOCATION: BRIDGE 730109 ON SR 1514 (STATION MILL RD)
OVER GRINDLE CREEK

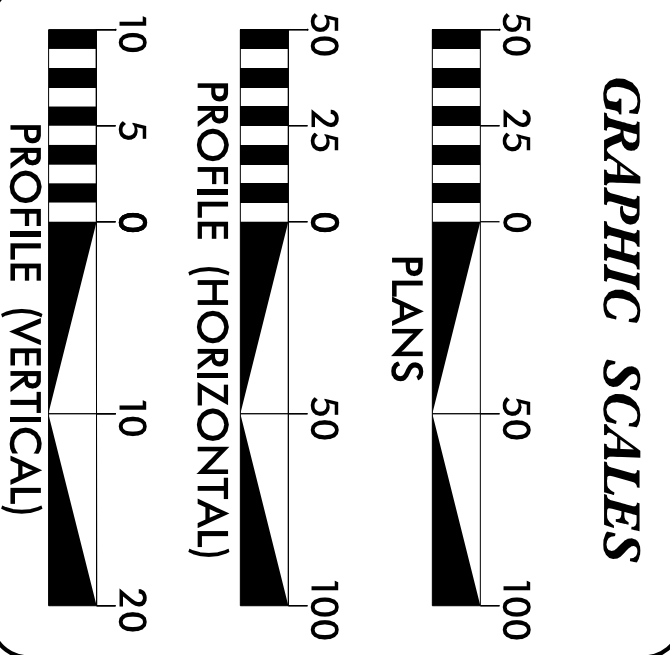
TYPE OF WORK: GRADING, DRAINAGE, PAVING AND STRUCTURE



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0119	1	1
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
48828.1.1	N/A	PE	
48828.2.1	N/A	RW, UTILITIES	
48828.3.1	2020001	CONSTRUCTION	



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA

ADT 2020 =	830
T =	6 % *
V =	55 MPH
* TTST =	3% DUAL 3%
FUNC CLASS =	MINOR COLLECTOR
SUB-REGIONAL TIER	

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT BR-0119	=	0.102 MILES
LENGTH STRUCTURES TIP PROJECT BR-0119	=	0.017 MILES
TOTAL LENGTH TIP PROJECT BR-0119	=	0.119 MILES

NC DOT CONTACT: DAVID STUITS, PE
SRU PROJECT MANAGER

Prepared in the Office of:

KCA
KIMBERLY CAMP & ASSOCIATES
301 FAYETTEVILLE ST.,
Raleigh, NC 27601
(919) 882-7889

NC Firm License No. C-1506

Prepared by:
JOHN P. MAZERES, PE
PROJECT ENGINEER

Checked by:
ALLEN J. MCSWAIN
PROJECT DESIGN ENGINEER

RIGHT OF WAY DATE:
SEPTEMBER 12, 2019

LETTING DATE:
MARCH 17, 2020

HYDRAULICS ENGINEER

1/16/2020

Designed by:
David L. Callan

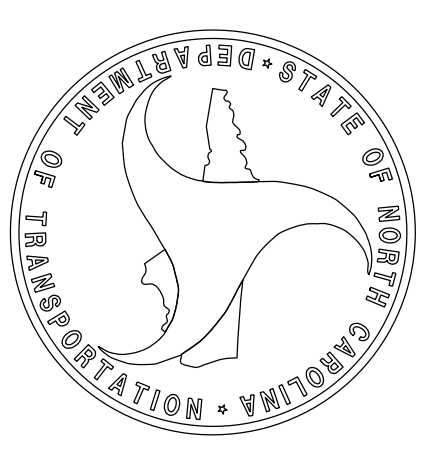
Checked by:
John P. Mazereres

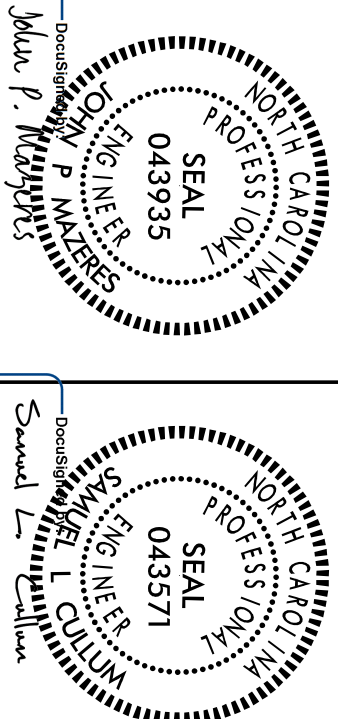
ROADWAY DESIGN ENGINEER

1/16/2020

Designed by:
John P. Mazereres

Checked by:
Allen J. McSwain

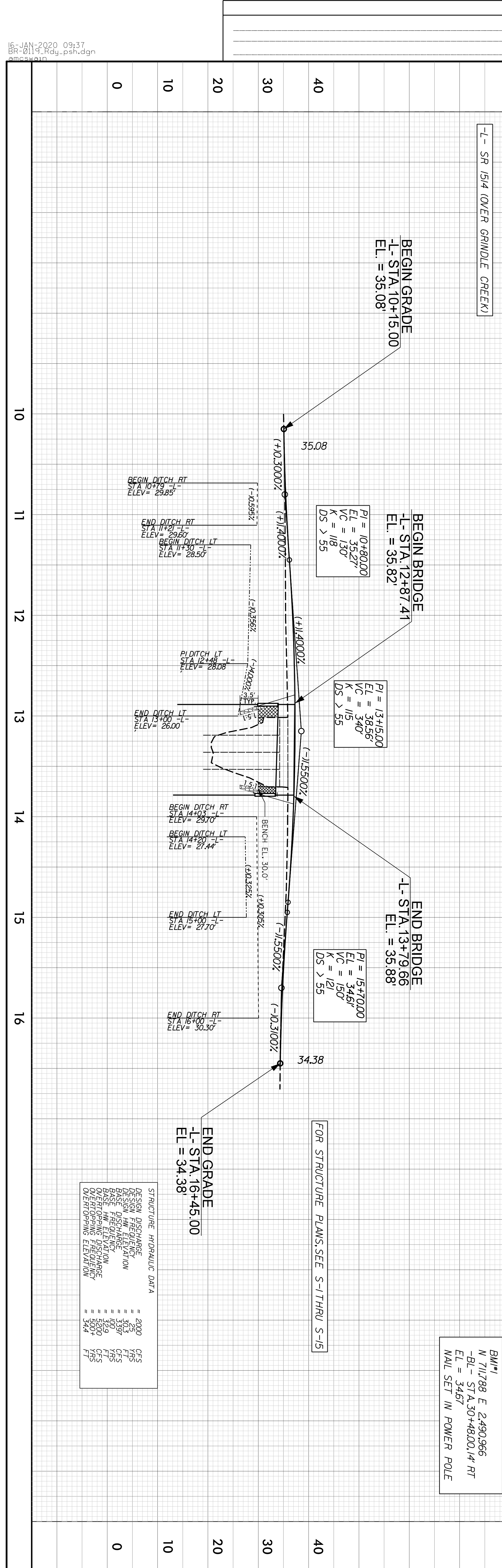
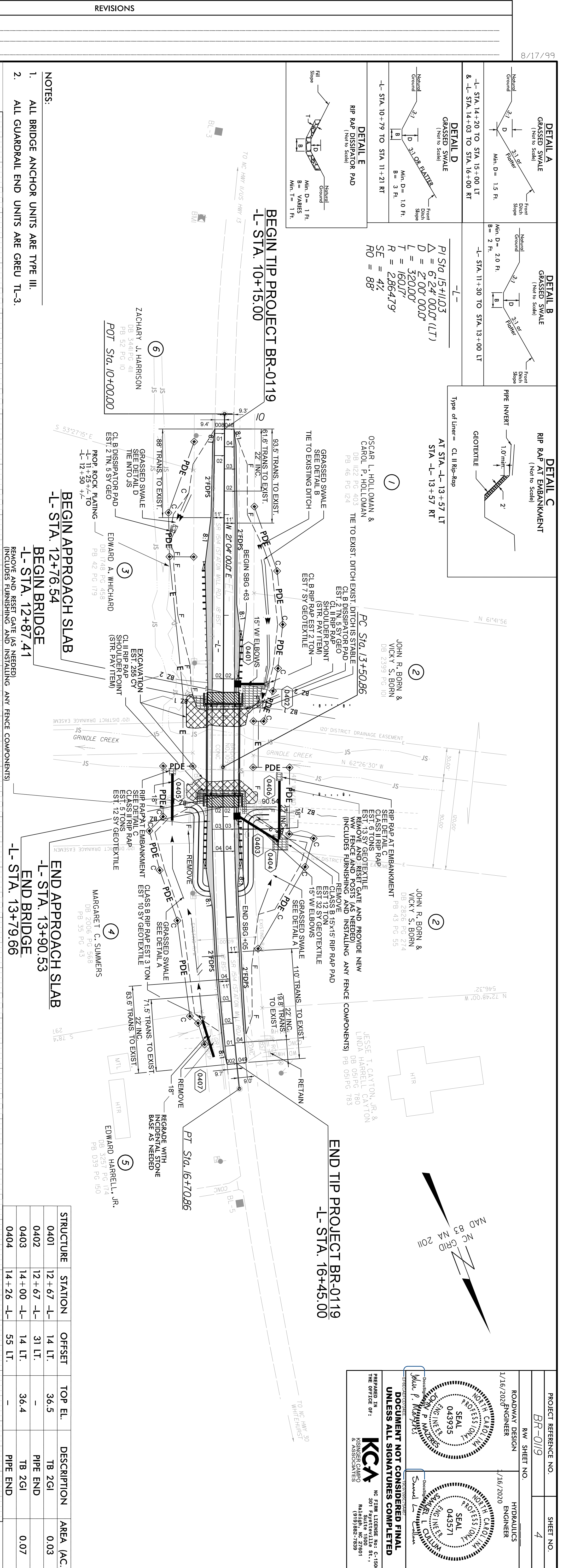
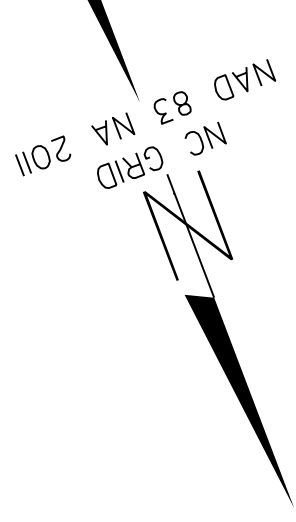




UNLESS ALL SIGNATURES COMPLETED



PREPARED BY: [Name] IN CHARGE OF THE OFFICE OF: [Name]
KCA
NC FIRM LICENSE NO. C-1506
3015 State St., Suite 300
Charlotte, NC 28204
(704) 399-7830



STRUCTURE HYDRULIC DATA
DESIGN DISCHARGE = 2000
DESIGN FLOW = 343
DESIGN PIPE DIAMETER = 36 IN
DESIGN VELOCITY = 3.39 FT/S
DESIGN DISCHARGE = 1000
DESIGN FLOW = 343
DESIGN PIPE DIAMETER = 36 IN
DESIGN VELOCITY = 3.39 FT/S
DESIGN DISCHARGE = 5000
DESIGN FLOW = 343
DESIGN PIPE DIAMETER = 36 IN
DESIGN VELOCITY = 3.39 FT/S