

# North Carolina Department of Transportation

## NEPA/SEPA Consultation Form

STIP Project No.	<b>BR-0112</b>
WBS Element	<b>48821.1.1</b>
Federal Aid Project No.	<b>2020001</b>

### A. Project Description, Location, and Purpose:

The purpose of this project is to replace Edgecombe County Bridge No. 35 on SR 1616 over Otter Creek. Bridge No. 35 is 122 feet long. The replacement structure will be a bridge approximately 145 feet long providing a minimum 33-foot 10-inch clear deck width. The bridge will include two 11-foot lanes and 6-foot 11-inch offsets. The bridge length is based on preliminary design information and is set by hydraulic requirements.

The approach roadway will extend approximately 193 feet from the south end of the new bridge and 158 feet from the north end of the new bridge. The approaches will be widened to include a 20-foot pavement width providing two 10-foot lanes. Three-foot shoulders will be provided on each side (7-foot shoulders where guardrail is included). The roadway will be designed as a Local Route with a 55 mile per hour design speed.

Traffic will be detoured off-site during construction.

### B. Consultation Phase: (Check one)

- Right-of-Way
- Construction
- Other: Identify the trigger – (e.g., design change, change in impacts)

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

- FHWA Class II (CE)      8/6/2019

Additional Notes: Type I A

#### D. Changes in Proposed Action & Environmental Consequences:

##### Water Resources:

The water resource classifications for the streams identified in the Categorical Exclusion remain accurate.

##### Protected Species:

The list of protected species remain unchanged since the Categorical Exclusion was completed. No species have been added or removed for the county. There is no habitat for protected species within the study area.

##### Section 106:

Both the historic architecture and archaeology reviews noted the presence of the Wooten Family Cemetery (PIN: 471211203200) in the project area and recommended standard avoidance and protection during construction. 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.

##### Design Changes:

The proposed structure will be lengthened by 2.74 feet from the originally estimated length to 147.74 feet. The bridge will have 10' lanes, and the shoulder widths will vary across the bridge due to the curve on the bridge.

#### 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, PE, hereby verifies the involvement of the following staff and the incorporation of their technical input:

Design Engineer:	Greg Purvis	9/30/2020
Hydraulic Unit	Jerry Sneed	10/1/2020
Environmental Specialist:	Jason Dilday	10/8/2020
Architectural Historian	Vanessa E. Patrick	10/9/2020
FHWA (if applicable):	N/A	Date

G. Consultation Approval for NCDOT Project BR-0112

**Prepared By:**

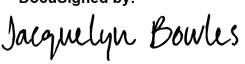
10/14/2020

Date

DocuSigned by:  


F7567B09A46B443...  
Ahmad Al-Sharawneh  
NCDOT, Project Management Unit

**Prepared For:**


DocuSigned by:  


DD26E87EDFB647E...  
Jacquelyn Bowles, PE  
NCDOT, Structures Management Unit

**Reviewed By:**

10/14/2020

Date

DocuSigned by:  


33883E9FD0F44D3...  
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.

10/16/2020

Date

DocuSigned by:  


A4A2999A8BC64F2...  
David Stutts, PE - Project Engineer – PEF/Program Management  
NCDOT – Structures Management Unit

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 October 2020)

**Edgecombe County**

**Bridge No. 35 on SR 1616**

**Over Otter Creek**

**W.B.S. No. 48821.1.1**

***T.I.P. No. BR-0112***

*Current status to the project commitments as shown in the CE for the project are printed in italics.*

**NCDOT Division Four – Offsite Detour**

In order to have time to adequately reroute school busses, Edgecombe County Schools will be contacted at least one month prior to road closure. Contact person is Rhonda Wainwright– Director of Transportation at (252)-641-2665.

Edgecombe County Emergency Services will be contacted at least one month prior to road closure to make the necessary temporary reassignments to primary response units. Contact person is Mark Walters – Emergency Services Director at (252)-641-7843.

*Status: Division Four Construction Engineer’s Office will make contacts prior to road closure.*

**NCDOT Hydraulic Unit – FEMA Coordination**

**NCDOT Division Four Construction, Resident Engineer’s Office -FEMA**

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.

*Status: This commitment will be fulfilled after the completion of the project construction.*

**NCDOT Hydraulic Unit–Buffer Rules**

The Tar-Pamlico River Basin Rule applies to this project.

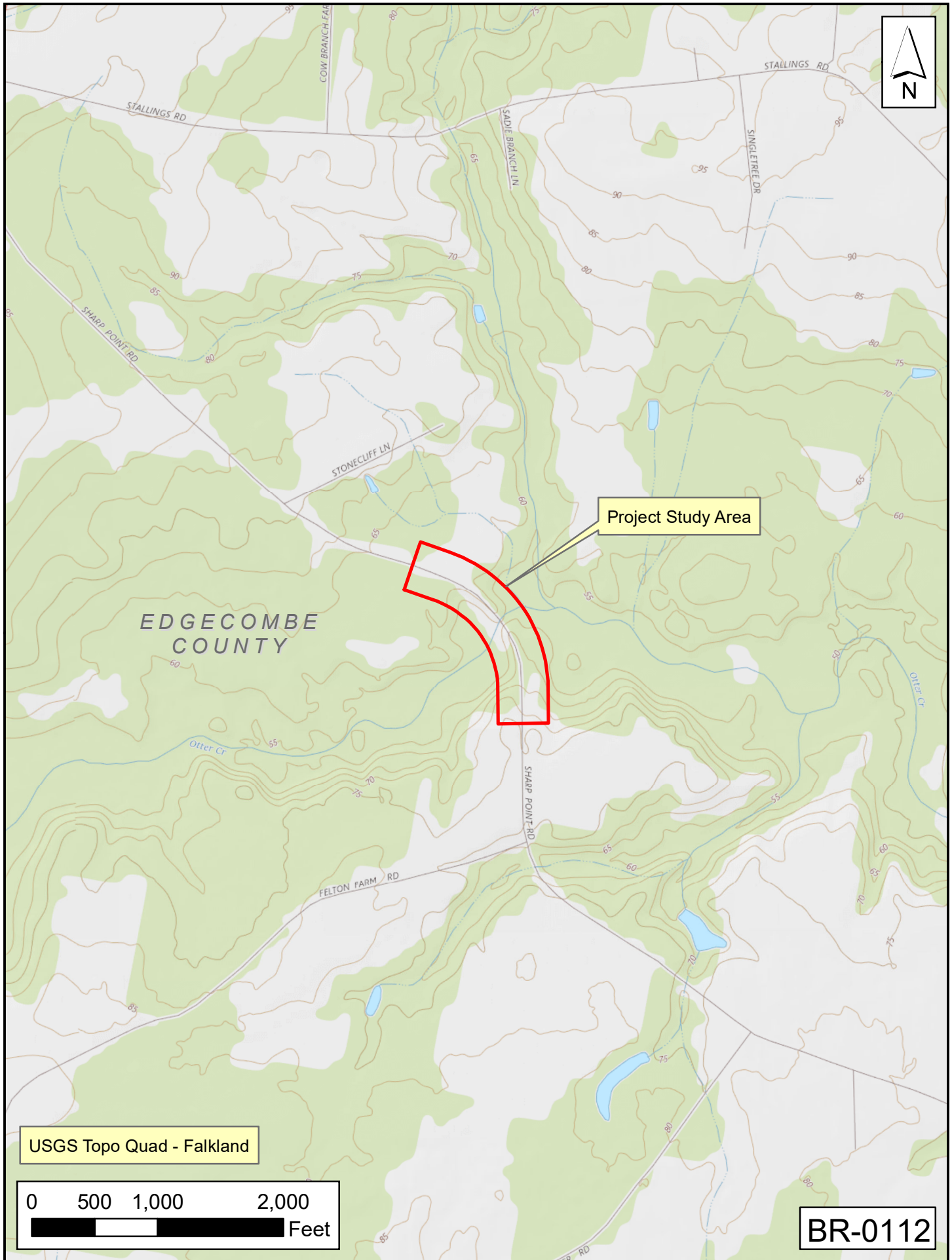
**NCDOT Environmental Analysis Unit – Section 7**

Section 7 will need to be resolved for the Tar River spynussel prior to permitting and construction.

*Status: Protected freshwater mussel species for this project were determined to have a biological conclusion of “No Effect”. No further Section 7 coordination is required with the USFWS for this project.*

**COMMITMENTS FROM PERMITTING:**

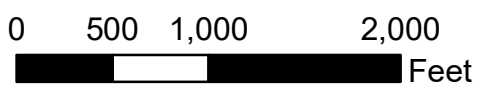
*No special commitments were made during permitting.*



Project Study Area

EDGCOMBE  
COUNTY

USGS Topo Quad - Falkland



BR-0112

09/28/2019


See Sheet 1A For Index of Sheets  
 See Sheet 1B For Conventional Symbols  
 See Sheet RW01 TO RW04 For Survey Control Sheets

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS

**EDGEcombe COUNTY**

**LOCATION: BRIDGE NO. 320035 OVER OTTER CREEK  
 ON SR 1616 (SHARP POINT RD.)**

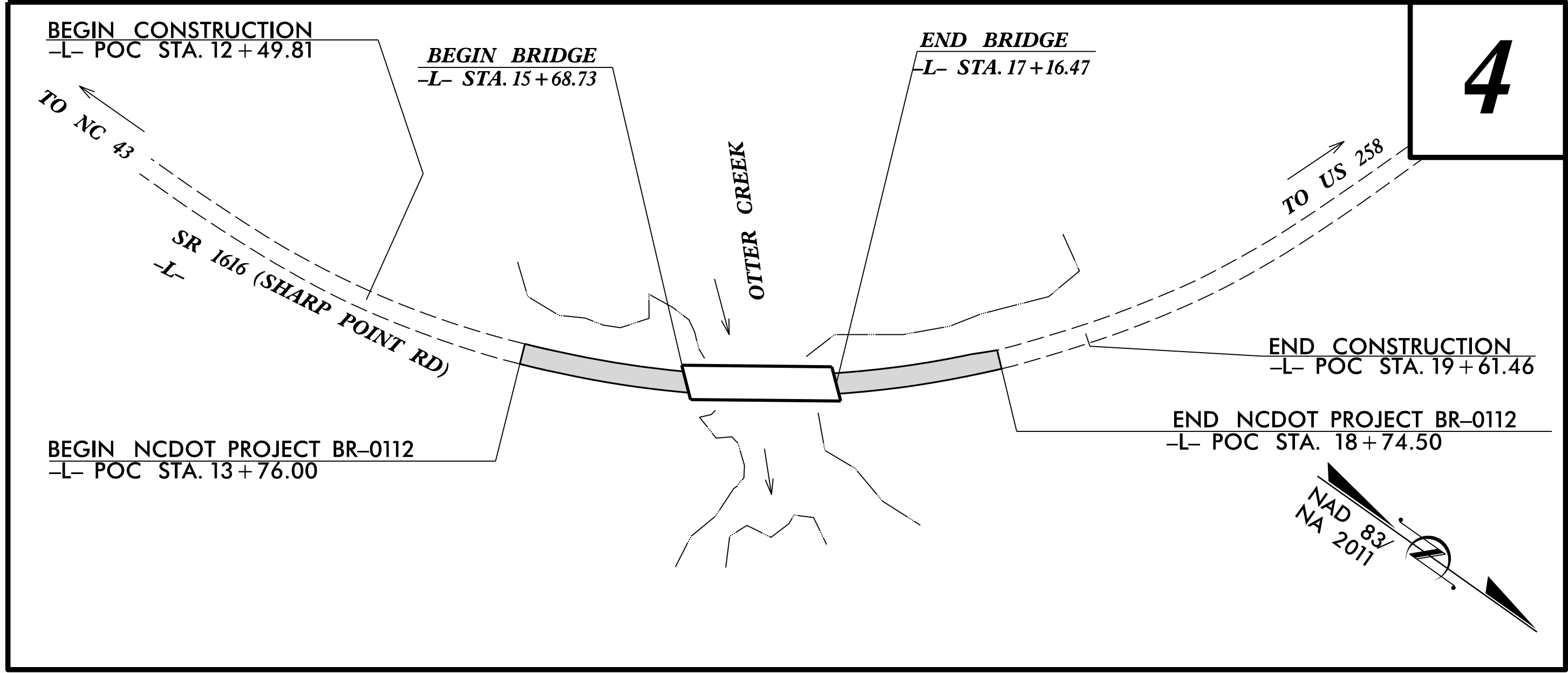
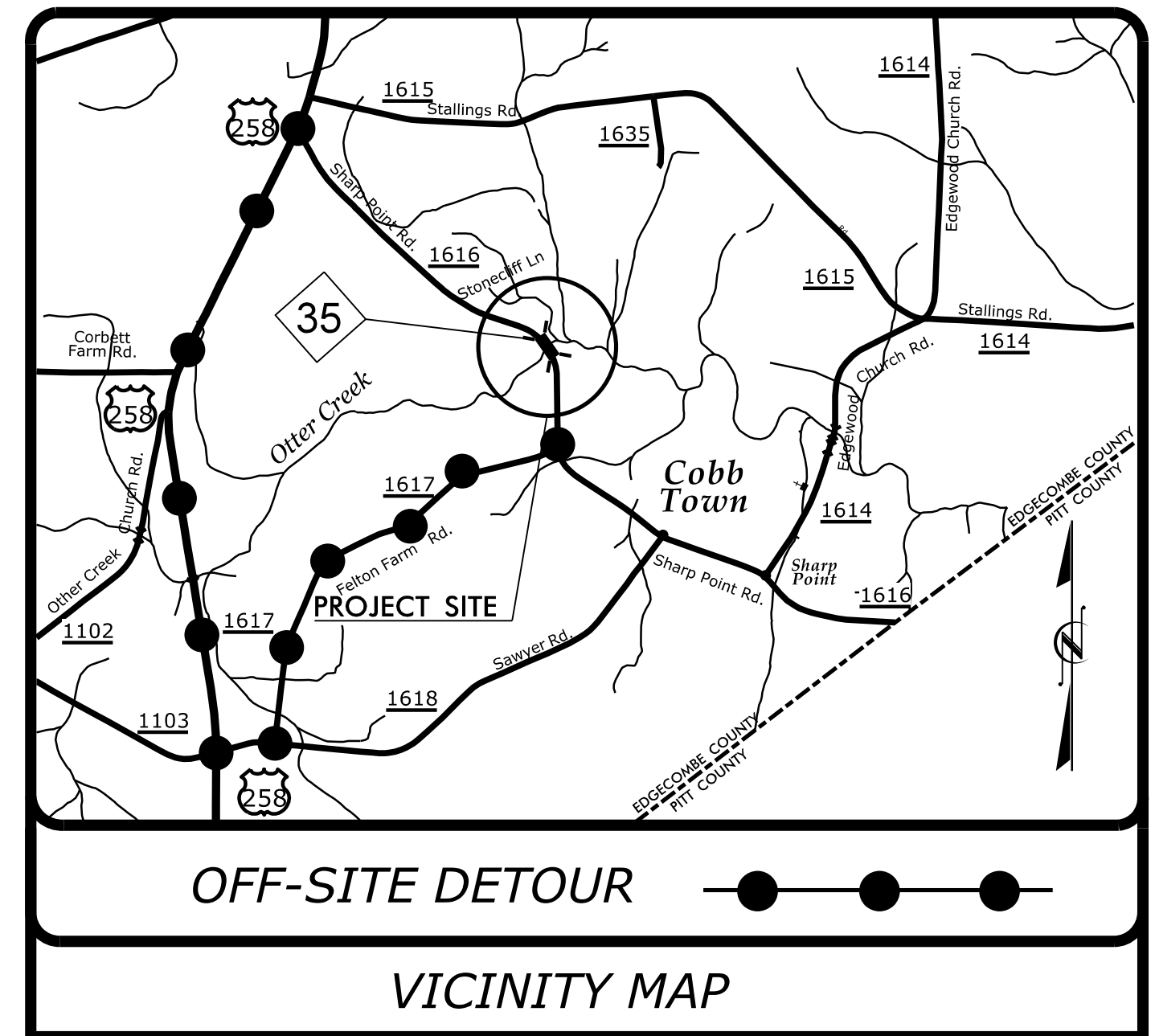
**TYPE OF WORK: GRADING, DRAINAGE, PAVING & STRUCTURE**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0112	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
48821.1.1		PE	
48821.2.1		ROW, UTIL.	
48821.3.1	2020001	CONST.	
 1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107			
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION			

**BRIDGE #320035**

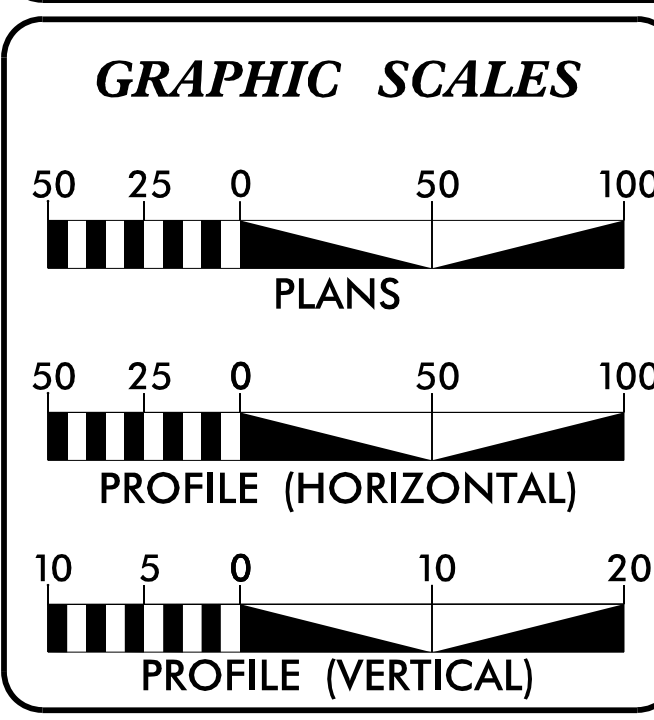
**PROJECT: BR-0112**

**CONTRACT: C204539**



NOTE:  
 DESIGN EXCEPTION REQUIRED FOR THE HORIZONTAL STOPPING SIGHT DISTANCE. APPROVED 5/10/19.

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED



**DESIGN DATA**  
 ADT 2020 = 340

T = 6 % \*  
 V = 55 MPH

\* (TTST = 3% +  
 DUAL = 3%)  
 FUNC CLASS =  
 RURAL LOCAL  
 SUBREGIONAL TIER

**PROJECT LENGTH**

LENGTH ROADWAY PROJECT BR-0112 =	0.066 MILES
LENGTH STRUCTURE PROJECT BR-0112 =	0.028 MILES
<b>TOTAL LENGTH PROJECT BR-0112 =</b>	<b>0.094 MILES</b>

NCDOT CONTACT: **DAVID STUTTS, PE**  
 PROJECT ENGINEER - PEP/PROGRAM MGT.

Prepared for:  
**DIVISION OF HIGHWAYS**  
 STRUCTURES MANAGEMENT UNIT  
 1000 BIRCH RIDGE DRIVE RALEIGH NC, 27610

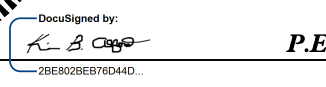
2018 STANDARD SPECIFICATIONS

**RIGHT OF WAY DATE:** EDWARD G. WETHERILL, PE  
 SEPTEMBER 30, 2019  
 PROJECT ENGINEER

**LETTING DATE:** GREG S. PURVIS, PE  
 DECEMBER 15, 2020  
 PROJECT DESIGN ENGINEER

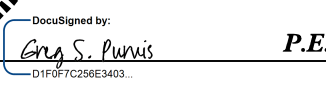
**HYDRAULICS ENGINEER**  
 8/25/2020 | 10:55:50 PDT

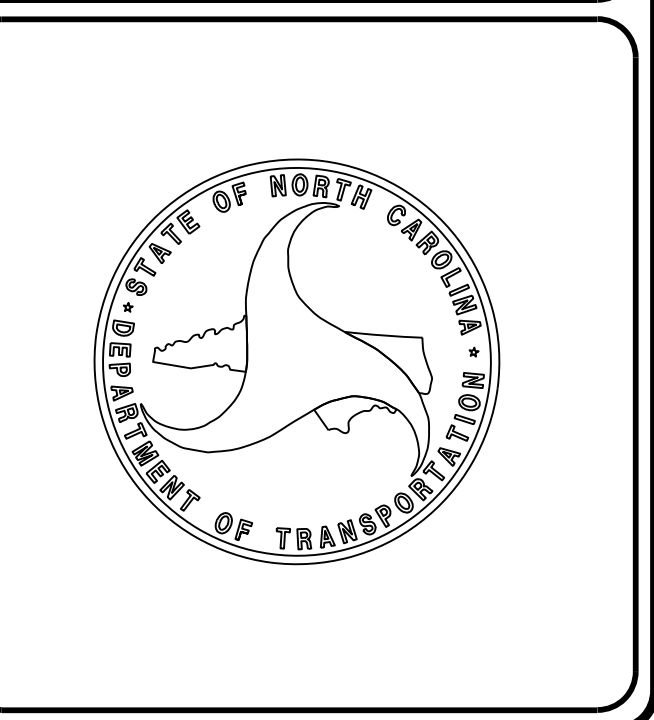
SEAL 31977

SIGNATURE:  P.E.

**ROADWAY DESIGN ENGINEER**  
 8/25/2020 | 10:55:50 PDT

SEAL 022999

SIGNATURE:  P.E.

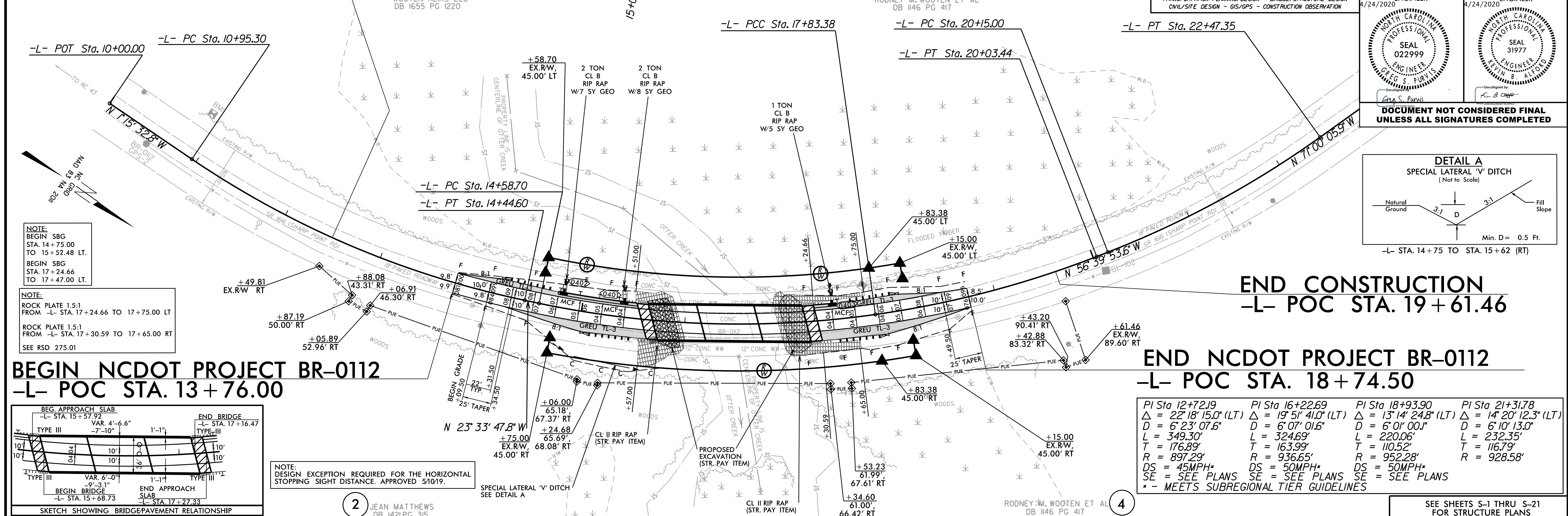


**BEGIN CONSTRUCTION**  
**-L- POC STA. 12 + 49.81**

PROJECT REFERENCE NO. <b>BR-0112</b>		SHEET NO. <b>4</b>
RW SHEET NO.		
ROADWAY DESIGN ENGINEER 4/24/2020	HYDRAULICS ENGINEER 4/24/2020	
<b>DOCUMENT NOT CONSIDERED FINAL</b> <b>UNLESS ALL SIGNATURES COMPLETED</b>		

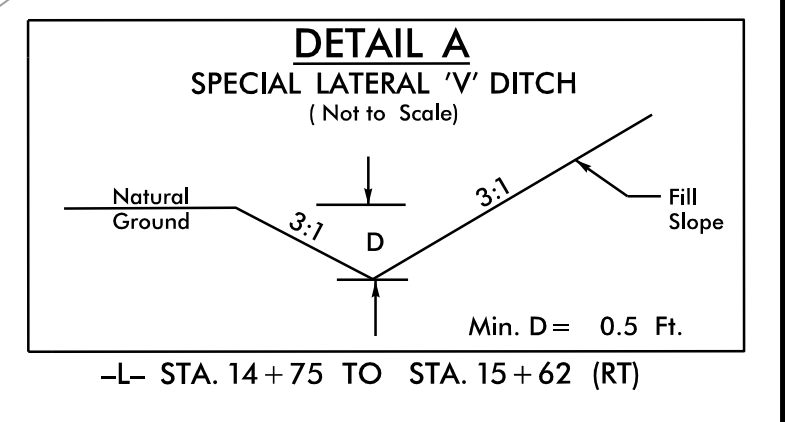
1223 Jones Franklin Rd.  
Raleigh, N.C. 27606  
License No. F-0377  
Bus: 919 851 8077  
Fax: 919 851 8107

WETHERILL ENGINEERING  
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION



**NOTE:**  
BEGIN SBG  
STA. 14 + 75.00  
TO 15 + 52.48 LT.  
BEGIN SBG  
STA. 17 + 24.66  
TO 17 + 47.00 LT.

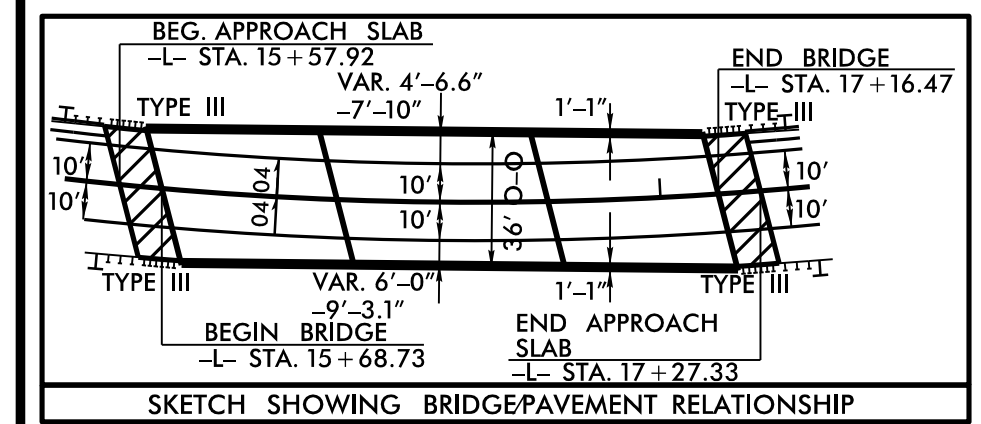
**NOTE:**  
ROCK PLATE 1.5:1  
FROM -L- STA. 17 + 24.66 TO 17 + 75.00 LT  
ROCK PLATE 1.5:1  
FROM -L- STA. 17 + 30.59 TO 17 + 65.00 RT  
SEE RSD 275.01



**BEGIN NCDOT PROJECT BR-0112**  
**-L- POC STA. 13 + 76.00**

**END CONSTRUCTION**  
**-L- POC STA. 19 + 61.46**

PI Sta 12+72.19 Δ = 22°18'15.0" (LT) D = 6'23'07.6" L = 349.30' T = 176.89' R = 897.29' DS = 45MPH+ SE = SEE PLANS * - MEETS SUBREGIONAL TIER GUIDELINES	PI Sta 16+22.69 Δ = 19°5'41.0" (LT) D = 6'07'01.6" L = 324.69' T = 163.99' R = 936.65' DS = 50MPH+ SE = SEE PLANS	PI Sta 18+93.90 Δ = 13°14'24.8" (LT) D = 6'01'00.1" L = 220.06' T = 110.52' R = 952.28' DS = 50MPH+ SE = SEE PLANS	PI Sta 21+31.78 Δ = 14°20'12.3" (LT) D = 6'10'13.0" L = 232.35' T = 116.79' R = 928.58' DS = 50MPH+ SE = SEE PLANS
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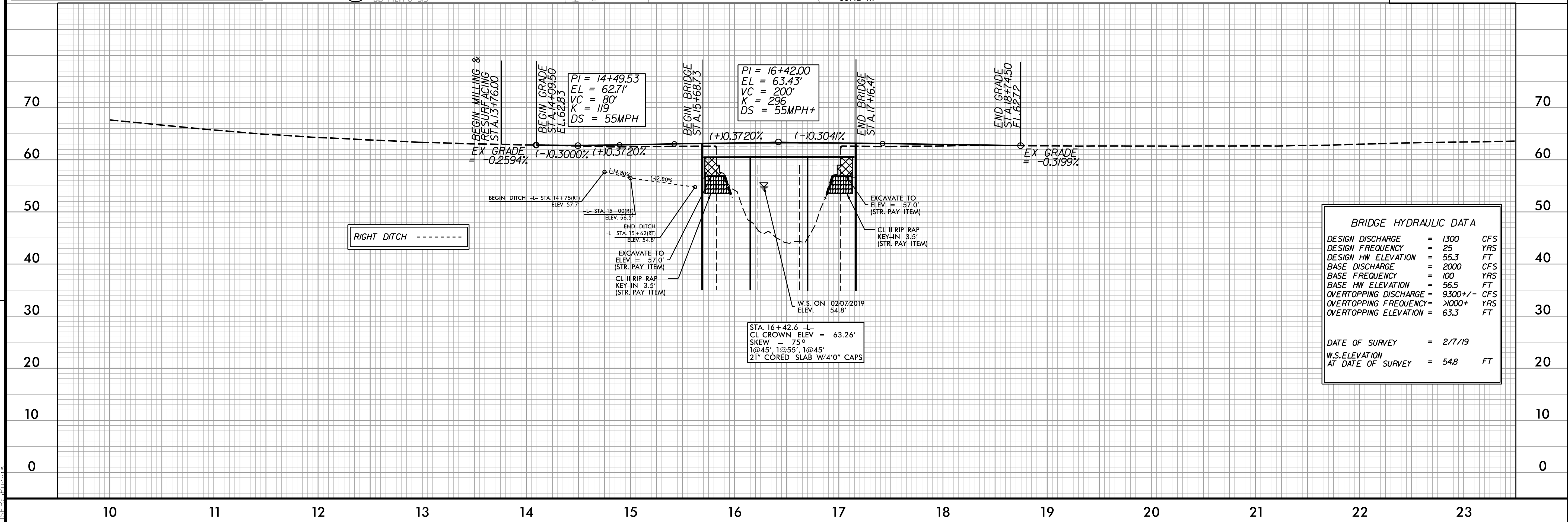


**NOTE:**  
DESIGN EXCEPTION REQUIRED FOR THE HORIZONTAL STOPPING SIGHT DISTANCE. APPROVED 51019.

2 JEAN MATTHEWS  
DB 1421 PG 315

RODNEY M. WOOTEN ET AL  
DB 1146 PG 417

SEE SHEETS S-1 THRU S-21  
FOR STRUCTURE PLANS



BRIDGE HYDRAULIC DATA	
DESIGN DISCHARGE	= 1300 CFS
DESIGN FREQUENCY	= 25 YRS
DESIGN HW ELEVATION	= 55.3 FT
BASE DISCHARGE	= 2000 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 56.5 FT
OVERTOPPING DISCHARGE	= 9300+/- CFS
OVERTOPPING FREQUENCY	= >1000+ YRS
OVERTOPPING ELEVATION	= 63.3 FT
DATE OF SURVEY	= 2/7/19
W.S. ELEVATION AT DATE OF SURVEY	= 54.8 FT

REVISIONS

4/24/2020  
11:58:33 AM  
C:\p0112.RDY\_PSH.dgn