DocuSign Envelope ID: CAE4BD76-C372-427B-87B1-EFDEC1123A0F

(-) 1.5467% △ (-) 0.7120%

PVI STA. 14+75.00
EL. = 350.02
VC = 100'

(-) 0.7120% △ (-) 1.0000%

PVI STA. 17+25.00
EL. = 348.24
VC = 150'

GRADE DATA -L-

HYDRAULIC DATA:

DESIGN DISCHARGE	=	1100 CFS
FREQUENCY OF DESIGN FLOOD	=	25 YEAR
DESIGN HIGH WATER ELEVATION	=	343.5
DRAINAGE AREA	=	3.3 SQ. MI.
BASE DISCHARGE (Q 100)	=	1600 CFS
BASE HIGH WATER ELEVATION	=	344.3

OVERTOPPING FLOOD DATA:

OVERTOPPING DISCHARGE	=	3000 CFS
FREQUENCY OF OVERTOPPING FLOOD	=	>500 YEAR
OVERTOPPING FLOOD ELEVATION	=	347.1 * *

* * OVERTOPPING OCCURS AT ROADWAY CENTERLINE APPROXIMATELY STA. 19+50.00 -L- (150' BEYOND END OF PROJECT.

PROJECT NO. DF16905.2091011
VANCE COUNTY
STATION: 16+14.00 -L-

SHEET 1 OF 2 REPLACES BRIDGE #900023

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

FOR BRIDGE ON SR 1335
(BURNSIDE RD.)
OVER LITTLE ISLAND CREEK
BETWEEN SR 1303 AND SR 1329

WGI
5640 Dillard Drive, Suite 200
Cary, NC 27518
LICENSURE NO. C-4434

NORTH CAROLINA PROFESSIONAL SEAL 11268 ENGINEER BETSY S. COX
6/21/2022 | 6:39 AM PDT

DOCUSIGN ENVELOPE ID: 5E4F2B8B-1B9B-4B8B-

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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

SHEET NO. S-1
TOTAL SHEETS 16

DRAWN BY :	S.D. COOPER	DATE :	4-22
CHECKED BY :	B.S. COX	DATE :	4-22
DESIGN ENGINEER OF RECORD:	B.S. COX	DATE :	4-22

6/15/2022 11:36:52 AM P:\Raleigh\Projects\2021\Div 5 (SEA)\Vance DF16905.2091011\Structures\Drawings\Final\DF16905209101I_SMU_GD_900023.dgn