



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

DANIEL H. JOHNSON
SECRETARY

November 10, 2025

MEMORANDUM TO: Division Environmental and Construction Units

FROM: *mat* Michael A. Turchy, ECAP Group Leader
Environmental Analysis Unit

SUBJECT: Environmental Permits for the Replacement of Bridge 177 on SR 1535
(Price Road) over Matrimony Creek in Rockingham County, Division 7,
TIP: HB-0035.

Please see below the following permits that apply to this project:

Agency	Permit Type	Permit Expiration
US Army Corps of Engineers Section 404 Clean Water Act Permit	Nationwide Permit 14 [non-notifying]	March 14, 2026
NC Division of Water Resources Section 401 Water Quality Certification	General Certification No. 4246 [NWP14] [non-notifying]	March 14, 2026

Work is authorized by the above referenced permit provided it is accomplished in strict accordance with the permitted plans. The Environmental Coordination and Permitting Group or the Division Environmental Office must be consulted if any deviation from the permit(s) is required.

The General Conditions and Certifications for Nationwide and Regional Permits can be referenced at:
https://xfer.services.ncdot.gov/pdea/PermIssued/_General_Conditions_and_Certifications/

The Project Commitments “Greensheet” is located on the Preconstruction SharePoint Dashboard at:
<https://connect.ncdot.gov/site/preconstruction>



North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN

FOR NCDOT PROJECTS



(Version 3.02; Released April 23, 2024)

WBS Element:		TIP/Proj No: HB-0035		County(ies): Rockingham		Page 1 of 2	
General Project Information							
WBS Element:		TIP Number: HB-0035		Project Type: Other		Date: 11/21/2024	
NCDOT Contact:		Emily Ferreira, PE		Contractor / Designer:		Patrick Hartnett, PE	
		Address: Project Management Team - Division 5 & 8 1000 Birch Ridge Drive Raleigh, NC 27610				Address: Summit Design and Engineering Services 1000 Social Street (Suite 800) Raleigh, NC 27609	
		Phone: (919) 707-6048				Phone: (919) 322-0115	
		Email: eaferreira@ncdot.gov				Email: patrick.hartnett@summitde.com	
City/Town:		City of Eden		County(ies): Rockingham			
River Basin(s):		Roanoke		CAMA County?: No			
Wetlands within Project Limits?		Yes					
Project Description							
Project Length (lin. miles or feet):		0.21		Surrounding Land Use: Rural Area with Residential Land Use			
		Proposed Project		Existing Site			
Project Built-Upon Area (ac.)		0.9 ac.		0.6 ac.			
Typical Cross Section Description:		Proposed Road and Bridge will be a 2-lane facility with 11 ft wide travel lanes and 5 ft paved shoulders. The total proposed bridge length is 220 ft with an out-to-out width of 42 ft 9 in		Existing road and bridge is a 2-lane facility with 11 ft wide travel lanes. The total bridge length is 190 ft 8 in with an out-to-out width of 36.2 ft			
Annual Avg Daily Traffic (veh/hr/day):		Design/Future: 2820		Year: 2046		Existing: 2440	
General Project Narrative: (Description of Minimization of Water Quality Impacts)		State Project involves the replacement of NCDOT Bridge 780177 over Matrimony Creek on SR 1535 (Price Road) in Rockingham County. The existing structure is a 190 ft 8 in 4 span (1@47 ft 10 in, 1@47 ft 6 in, 1@47 ft 6 in, 1@47 ft 10 in) reinforced concrete deck with girder. The proposed structure will be a 2 span (1@135 ft, 1@85 ft) 63-in Florida I-Beam bridge. The existing structure has deck drains paved over. The proposed bridge will maintain the existing level of service. Existing wetland within the project will not be impacted. Erosion control measures are placed outside of the wetland boundaries. A causeway will be used to remove the existing bent. The design minimizes water quality impacts by promoting sheet flow and infiltration using grass shoulders and grass lined ditches and by discharging stormwater away from streams as much as practicable. Erosion will be minimized by lining ditches with rip-rap where needed. Rip-Rap impacts to the SA stream were required to stabilize the existing stream channel and prevent further erosion.					



North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN

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WBS Element: TIP/Proj No.: HB-0035 County(ies): Rockingham Page 2 of 2

General Project Information

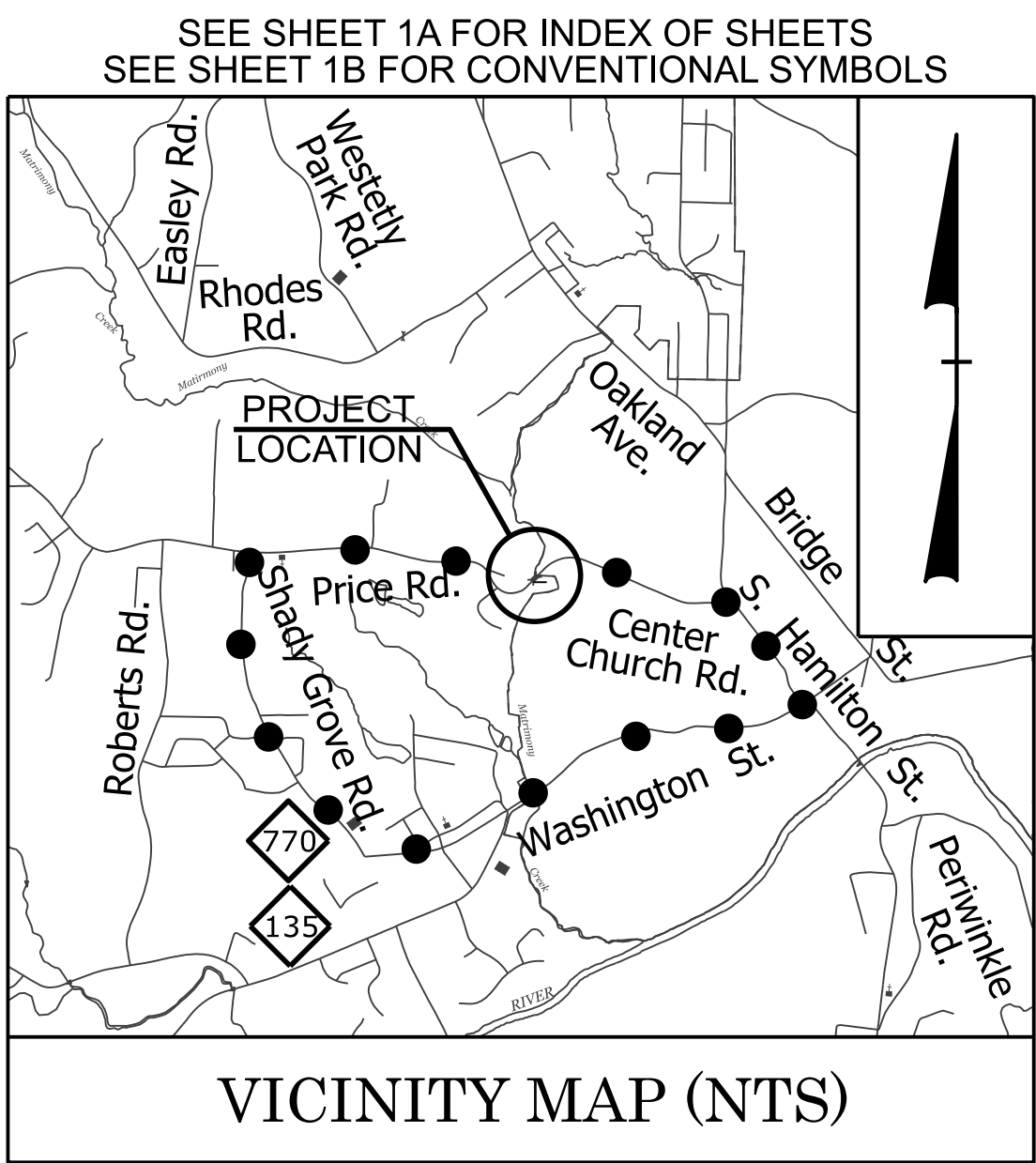
Waterbody Information

Surface Water Body (1):	Matrimony Creek	NCDWR Stream Index No.:	22-38
NCDWR Surface Water Classification for Water Body	Primary Classification:	Water Supply IV (WS-IV)	
	Supplemental Classification:	None	
Other Stream Classification:	None		
Impairments:	None		
Aquatic T&E Species?	No	Comments:	
NRTR Stream ID:	Matrimony Creek	Buffer Rules in Effect:	N/A
Project Includes Bridge Spanning Water Body?	Yes	Deck Drains Discharge Over Buffer?	No
Deck Drains Discharge Over Water Body?	No	Dissipator Pads Provided in Buffer?	No
(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	

09/08/99

TIP PROJECT: HB-0035

CONTRACT: XXXXXX



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

ROCKINGHAM COUNTY

LOCATION: *REPLACE BRIDGE #780177 ON SR 1535 (PRICE ROAD) OVER
MATRIMONY CREEK IN EDEN*

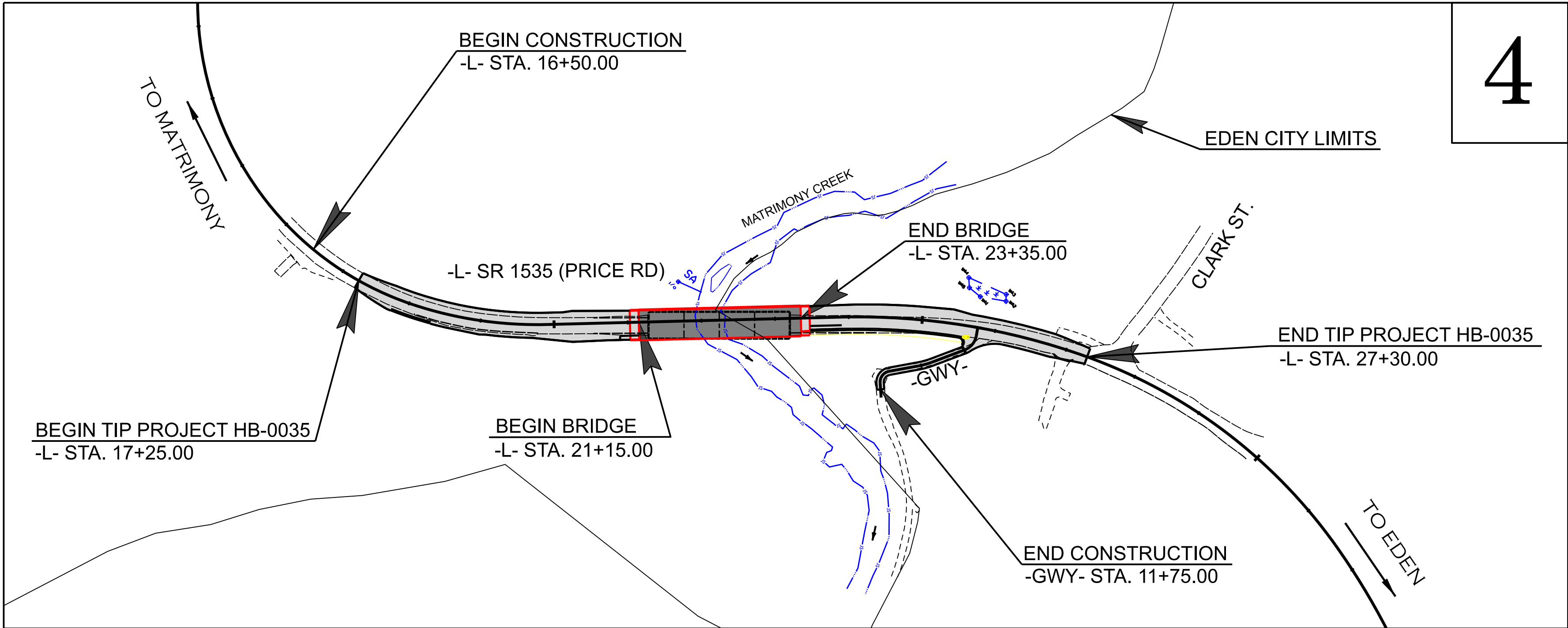
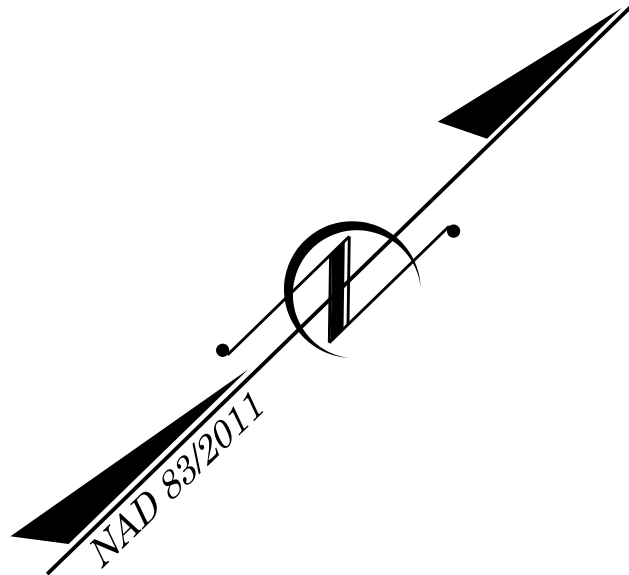
TYPE OF WORK: *GRADING, DRAINAGE, PAVING, & STRUCTURE*

PERMIT DRAWING
SHEET 1 OF 6

WETLAND AND SURFACE WATER IMPACTS PERMIT

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HB-0035	1	X
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
50639.1.1	N/A	PE	
50639.2.1	5063901	R/W	
50639.2.2	5063901	UTIL.	
50639.3.1	5063901	CON.	

ROW PLAN SET



THIS IS NOT A CONTROLLED ACCESS PROJECT.
THIS PROJECT IS WITHIN THE JURISDICTIONAL LIMITS OF THE CITY OF EDEN.
CLEARING AND GRUBBING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES

50 25 0 50 100
PLANS

50 25 0 50 100
PROFILE (HORIZONTAL)

10 5 0 10 20
PROFILE (VERTICAL)

DESIGN DATA

ADT 2026 = 2440
ADT 2046 = 2820
V = 40 MPH
FUNC CLASS = MINOR COLLECTOR

SUBREGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT HB-0035 = 0.148 MILES
LENGTH STRUCTURE TIP PROJECT HB-0035 = 0.042 MILES
TOTAL LENGTH TIP PROJECT HB-0035 = 0.190 MILES

NCDOT CONTACT: SARA SHERMAN, PE
PROJECT MANAGER - NCDOT PMU

PREPARED IN THE OFFICE OF:

1 SUMMIT
DESIGN AND ENGINEERING SERVICES
FIRM NO. P-0039

320 Executive Ct.
Hillsborough, NC 27278-8551
Voice: (919) 732-3883
Fax: (919) 732-6776
www.summitde.net

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
JANUARY 24, 2025

LETTING DATE:
JULY 21, 2026

FAITH JAHNKE, PE
PROJECT ENGINEER

JOSHUA JERNIGAN, EI
PROJECT DESIGNER

HYDRAULICS ENGINEER

SIGNATURE P.E.
ROADWAY DESIGN ENGINEER

SIGNATURE P.E.

PERMIT DRAWING
SHEET 2 OF 6

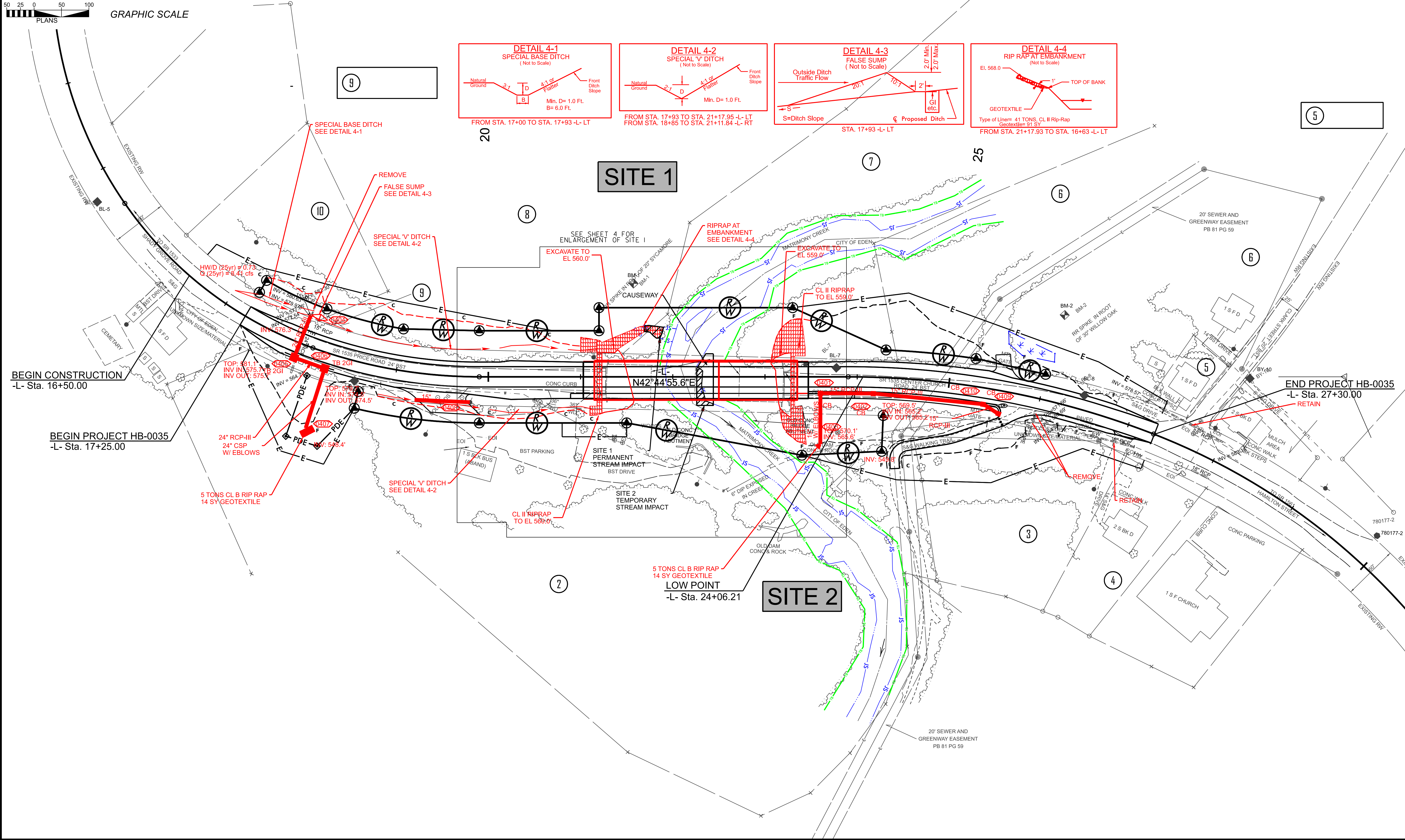
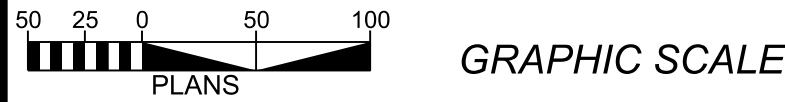
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TEMPORARY SURFACE WATER IMPACTS
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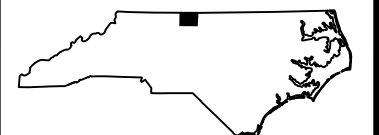
PERMANENT SURFACE WATER IMPACTS



HB-0035

HYD 004

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
ROCKINGHAM COUNTY



ROADWAY DESIGN
ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/V ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
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HYDRAULIC DESIGN
ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/V ACQUISITION

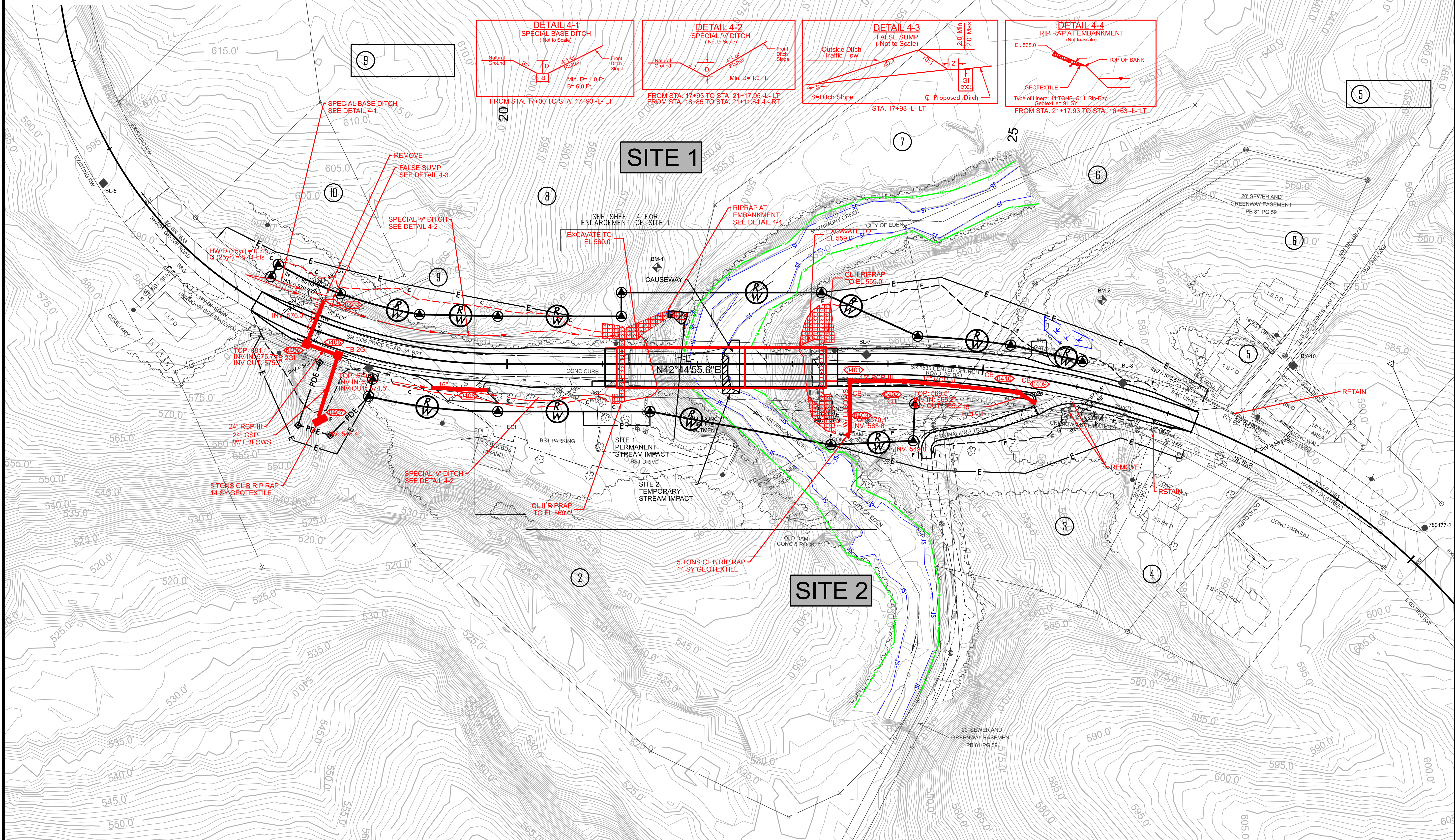
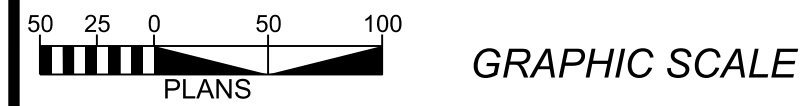
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PLANS PREPARED BY:



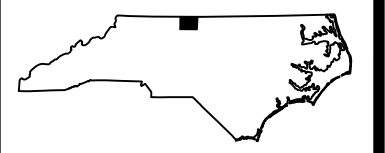
NC FIRM LICENSE No: P-0339
320 Executive Court
Hillsborough, NC 27278
(919) 732-3883
(919) 732-8876 (FAX)

	TEMPORARY SURFACE WATER IMPACTS
	PERMANENT SURFACE WATER IMPACTS



HB-0035	
HYD	004

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
ROCKINGHAM COUNTY



**ROADWAY DESIGN
ENGINEER**

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

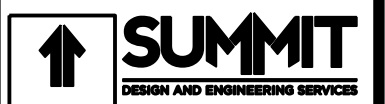
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**HYDRAULIC DESIGN
ENGINEER**

INCOMPLETE PLANS
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Hillsborough, NC 27278
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(919) 732-6676 (FAX)

TS	TS
S	s

PERMANENT SURFACE WATER IMPACTS

SITE 1

BM-1
E IN ROCK
BM-7
CAUSEWAY

CL II RIPR
TO EL 559

INCOMPLETE PLANS

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**HYDRAULIC DESIGN
ENGINEER**

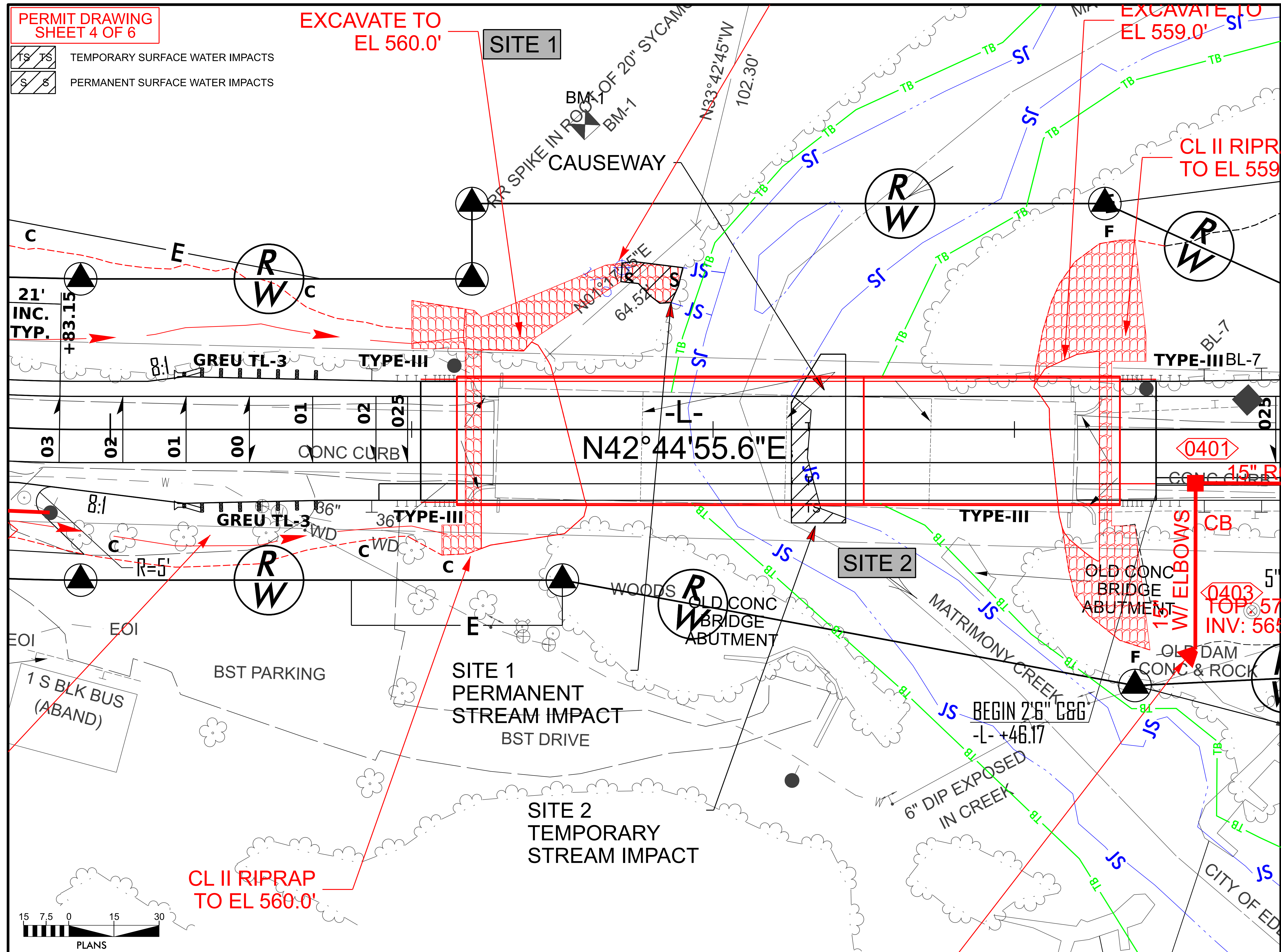
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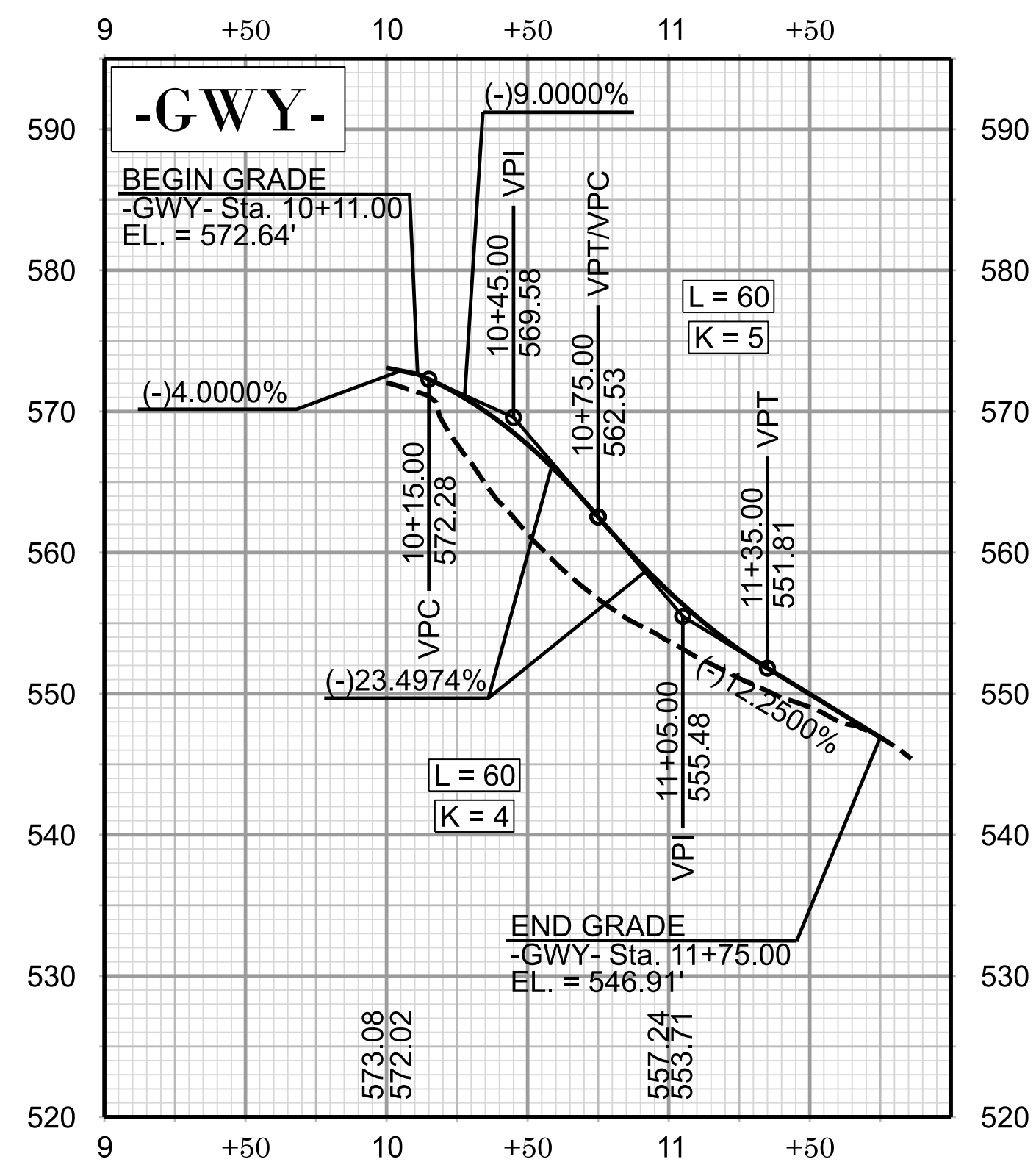
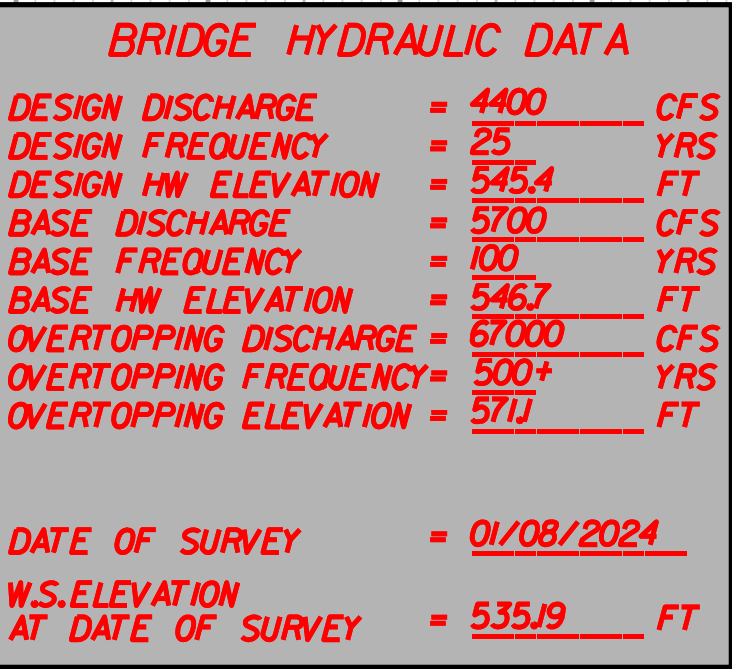
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PLANS PREPARED BY:

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DESIGN AND ENGINEERING SERVICES

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Hillsborough, NC 27278
(919) 732-3883
(919) 732-6676 (FAX)





WETLAND AND SURFACE WATER IMPACTS SUMMARY

			WETLAND IMPACTS					SURFACE WATER IMPACTS				
Site No.	Station (From/To)	Structure Size / Type	Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	-L- 21+69 TO 21+90 LT	Rip-Rap Lined Channel						< 0.01		20		
2	L- 22+26 TO 22+44 LT & R	Causeway							< 0.01		43	
TOTALS*:								< 0.01	< 0.01	20	43	0

*Rounded totals are sum of actual impacts

NOTES:

Total Temporary SW Impact = 309 SF

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
45847
ROCKINGHAM COUNTY
HB-0035
E REPLACEMENT ON SR 1535 OVER MATRIMONY
SHEET 6 OF 6