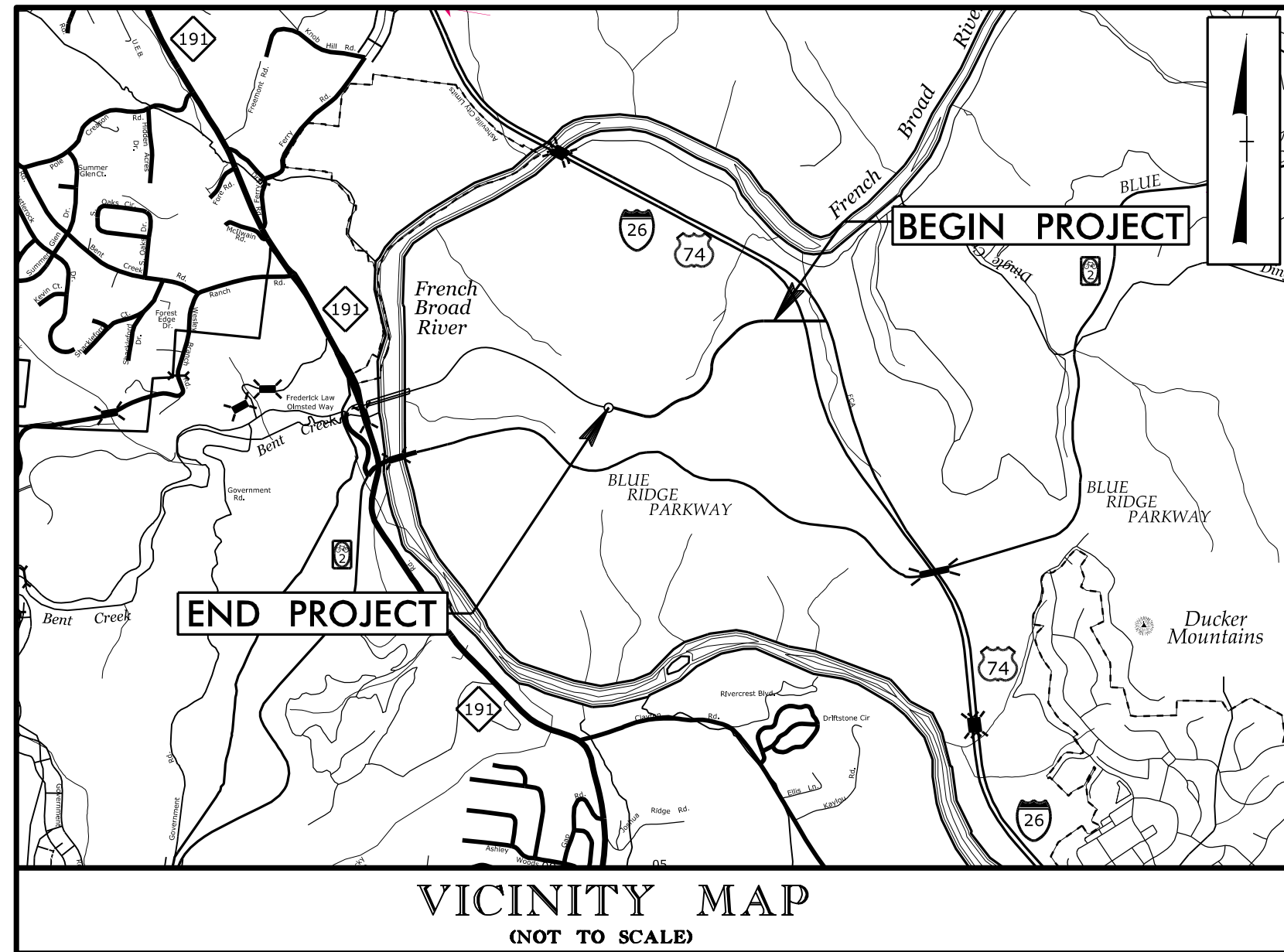


TIP PROJECT: HE-0001BA

CONTRACT: DM00469

See Sheet 1B For Conventional Symbols



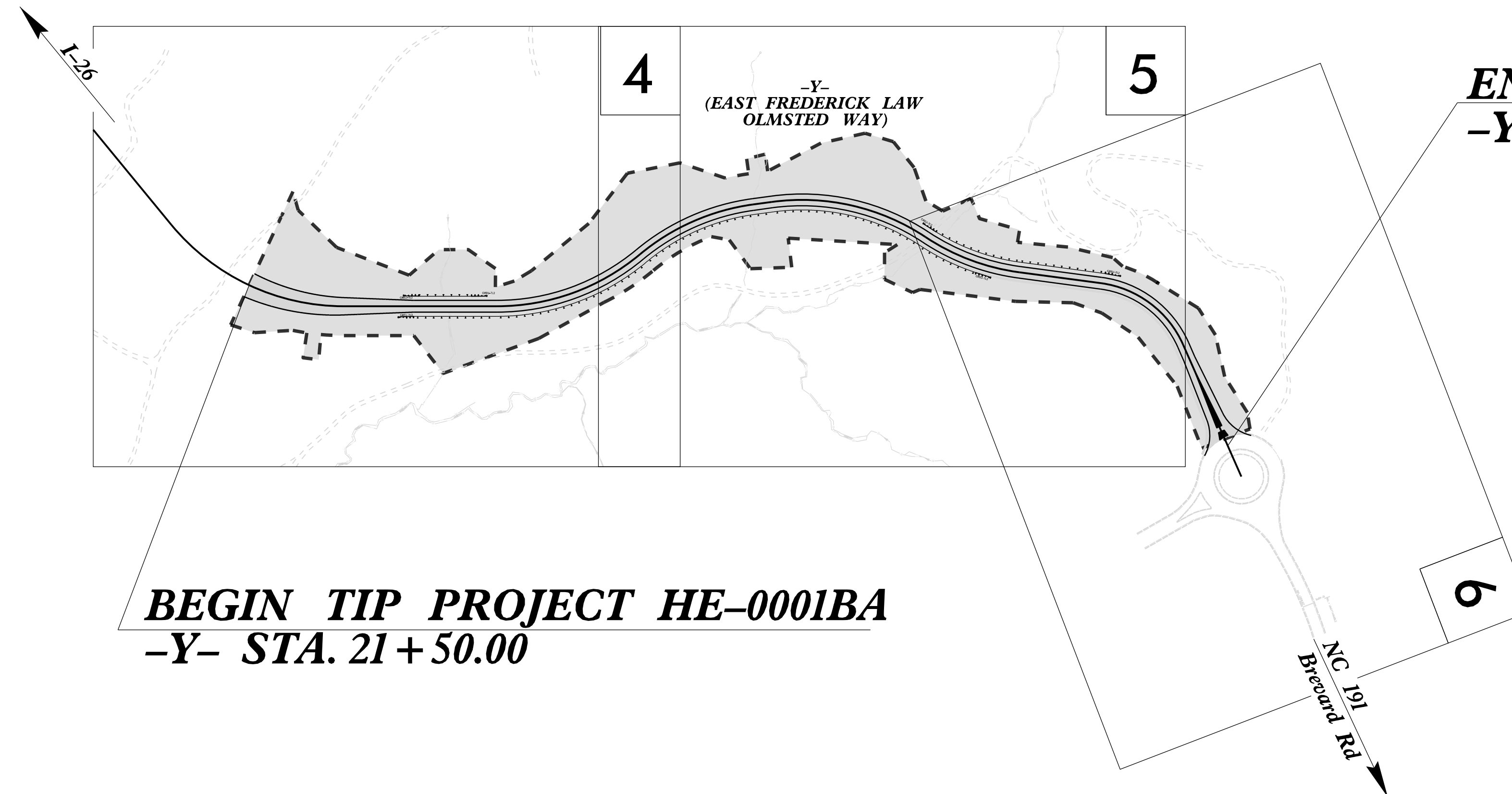
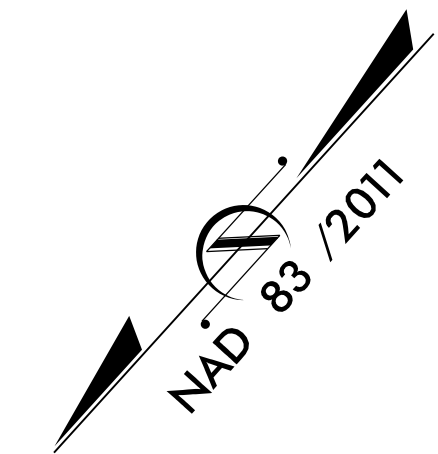
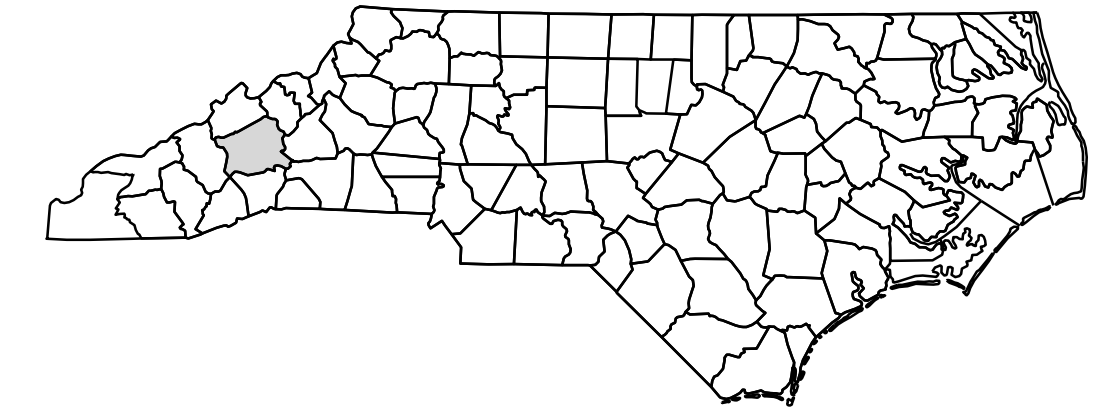
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

BUNCOMBE COUNTY

**LOCATION: ACCESS ROAD CONNECTING FROM I-26
TO NC 191 (BREVARD RD)**

TYPE OF WORK: TREE REMOVAL

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HE-0001BA	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
49742.1.2		PE	
49742.2.2		UTILITIES	
49742.3.5		CONSTRUCTION	
49742.4.2		MITIGATION	

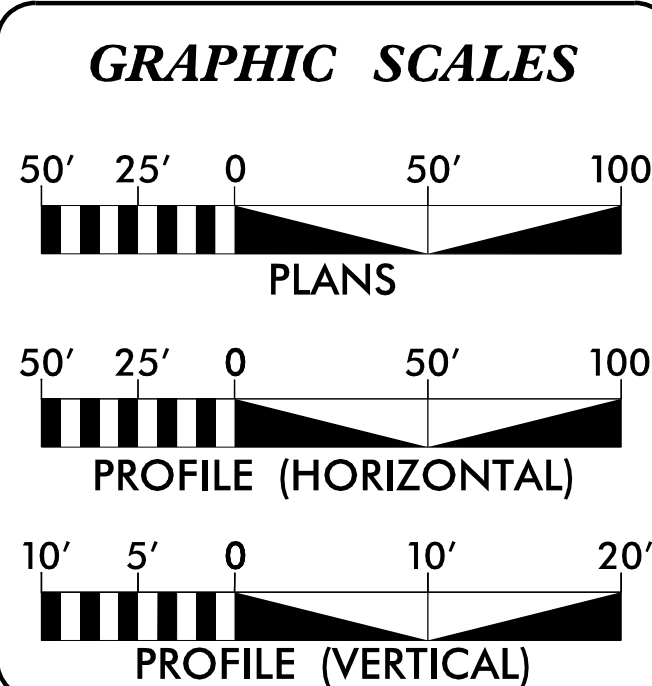


END TIP PROJECT HE-0001BA
-Y- STA. 48+03.58

BEGIN TIP PROJECT HE-0001BA
-Y- STA. 21+50.00

THIS IS A PARTIAL CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO POINTS SHOWN ON THE PLANS.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA

ADT 2023 =	9,890
ADT 2043 =	17,810
K =	9%
D =	55%
T =	5%*
V =	40 MPH
* TTST =	1% DUAL 4%
FUNC CLASS =	MINOR ARTERIAL

PROJECT LENGTH

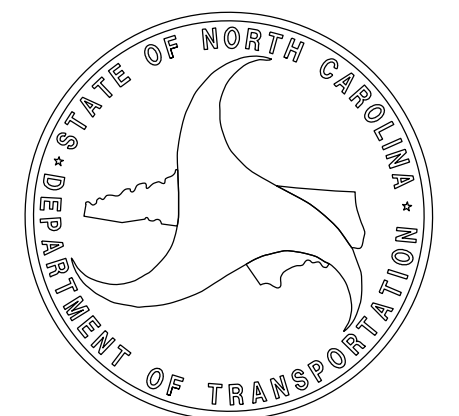
LENGTH ROADWAY TIP PROJECT HE-0001BA	= 0.503 Miles
TOTAL LENGTH TIP PROJECT HE-0001BA	= 0.503 Miles
NCDOT CONTACT:	BRENDAN W. MERITHEW, PE DIVISION 13 PROJECT MANAGER

Prepared for the North Carolina Department of Transportation
In the Office of:

GANNETT FLEMING

One Glenwood Avenue
Suite 900
Raleigh, NC 27603
919-420-7600
NC Lic. No. F-0270

<p>2024 STANDARD SPECIFICATIONS</p> <p>RIGHT OF WAY DATE: AUGUST 20, 2024</p> <p>LETTING DATE: JANUARY 29, 2025</p>	<p>RICKY A. TIPTON, PE PROJECT ENGINEER</p> <p>ANGELA B. PRIDGEN, PE PROJECT DESIGN ENGINEER</p>
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STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

Note: Not to Scale

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin (EIP)	○
Computed Property Corner	×
Existing Concrete Monument (ECM)	◻
Parcel/Sequence Number	(123)
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	◻
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	----- WLB -----
Proposed Wetland Boundary	----- WLB -----
Existing Endangered Animal Boundary	----- EAB -----
Existing Endangered Plant Boundary	----- EPB -----
Existing Historic Property Boundary	----- HPB -----
Known Contamination Area: Soil	----- S -----
Potential Contamination Area: Soil	----- S -----
Known Contamination Area: Water	----- W -----
Potential Contamination Area: Water	----- W -----
Contaminated Site: Known or Potential	☠ ?

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	⊙
Well	⊙
Small Mine	×
Foundation	◻
Area Outline	◻
Cemetery	⊕
Building	◻
School	◻
Church	⊕
Dam	-----

HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	◻
Jurisdictional Stream	----- JS -----
Buffer Zone 1	----- BZ 1 -----
Buffer Zone 2	----- BZ 2 -----
Flow Arrow	←
Disappearing Stream	-----
Spring	○
Wetland	-----
Proposed Lateral, Tail, Head Ditch	----- FLOW -----
False Sump	◻

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	⊙
Switch	⊙
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY & PROJECT CONTROL:

Primary Horiz Control Point	○
Primary Horiz and Vert Control Point	●
Secondary Horiz and Vert Control Point	◆
Vertical Benchmark	⊕
Existing Right of Way Monument	△
Proposed Right of Way Monument (Rebar and Cap)	▲
Proposed Right of Way Monument (Concrete)	⊙
Existing Permanent Easement Monument	◇
Proposed Permanent Easement Monument (Rebar and Cap)	◆
Proposed C/A Monument (Rebar and Cap)	▲
Proposed C/A Monument (Concrete)	⊙
Existing Right of Way Line	-----
Proposed Right of Way Line	-----
Existing Control of Access Line	-----
Proposed Control of Access Line	-----
Proposed ROW and CA Line	-----
Existing Easement Line	----- E -----
Proposed Temporary Construction Easement	----- E -----
Proposed Temporary Drainage Easement	----- TDE -----
Proposed Permanent Drainage Easement	----- PDE -----
Proposed Permanent Drainage/Utility Easement	----- DUE -----
Proposed Permanent Utility Easement	----- PUE -----
Proposed Temporary Utility Easement	----- TUE -----
Proposed Aerial Utility Easement	----- AUE -----

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	----- C -----
Proposed Slope Stakes Fill	----- F -----
Proposed Curb Ramp	----- CR -----
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	-----
VEGETATION:	
Single Tree	○
Single Shrub	○
Hedge	-----

Woods Line	-----
Orchard	-----
Vineyard	-----

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	----- CONC -----
Bridge Wing Wall, Head Wall and End Wall	----- CONC WW -----
MINOR:	
Head and End Wall	----- CONC HW -----
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	----- CB -----
Paved Ditch Gutter	-----
Storm Sewer Manhole	⊙
Storm Sewer	----- S -----

UTILITIES:

* SUE - Subsurface Utility Engineering
LOS - Level of Service - A, B, C or D (Accuracy)

POWER:	
Existing Power Pole	●
Proposed Power Pole	○
Existing Joint Use Pole	●
Proposed Joint Use Pole	○
Power Manhole	⊙
Power Line Tower	⊕
Power Transformer	⊕
U/G Power Cable Hand Hole	⊕
H-Frame Pole	●
U/G Power Line Test Hole (SUE - LOS A)*	⊕
U/G Power Line (SUE - LOS B)*	----- P -----
U/G Power Line (SUE - LOS C)*	----- P -----
U/G Power Line (SUE - LOS D)*	----- P -----

TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	⊙
Telephone Pedestal	⊕
Telephone Cell Tower	⊕
U/G Telephone Cable Hand Hole	⊕
U/G Telephone Test Hole (SUE - LOS A)*	⊕
U/G Telephone Cable (SUE - LOS B)*	----- T -----
U/G Telephone Cable (SUE - LOS C)*	----- T -----
U/G Telephone Cable (SUE - LOS D)*	----- T -----
U/G Telephone Conduit (SUE - LOS B)*	----- TC -----
U/G Telephone Conduit (SUE - LOS C)*	----- TC -----
U/G Telephone Conduit (SUE - LOS D)*	----- TC -----
U/G Fiber Optics Cable (SUE - LOS B)*	----- T FO -----
U/G Fiber Optics Cable (SUE - LOS C)*	----- T FO -----
U/G Fiber Optics Cable (SUE - LOS D)*	----- T FO -----

WATER:

Water Manhole	⊙
Water Meter	○
Water Valve	⊗
Water Hydrant	⊕
U/G Water Line Test Hole (SUE - LOS A)*	⊕
U/G Water Line (SUE - LOS B)*	----- W -----
U/G Water Line (SUE - LOS C)*	----- W -----
U/G Water Line (SUE - LOS D)*	----- W -----
Above Ground Water Line	----- A/G Water -----

TV:

TV Pedestal	⊕
TV Tower	⊗
U/G TV Cable Hand Hole	⊕
U/G TV Test Hole (SUE - LOS A)*	⊕
U/G TV Cable (SUE - LOS B)*	----- TV -----
U/G TV Cable (SUE - LOS C)*	----- TV -----
U/G TV Cable (SUE - LOS D)*	----- TV -----
U/G Fiber Optic Cable (SUE - LOS B)*	----- TV FO -----
U/G Fiber Optic Cable (SUE - LOS C)*	----- TV FO -----
U/G Fiber Optic Cable (SUE - LOS D)*	----- TV FO -----

GAS:

Gas Valve	◇
Gas Meter	⊕
U/G Gas Line Test Hole (SUE - LOS A)*	⊕
U/G Gas Line (SUE - LOS B)*	----- G -----
U/G Gas Line (SUE - LOS C)*	----- G -----
U/G Gas Line (SUE - LOS D)*	----- G -----
Above Ground Gas Line	----- A/G Gas -----

SANITARY SEWER:

Sanitary Sewer Manhole	⊙
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	----- SS -----
Above Ground Sanitary Sewer	----- A/G Sanitary Sewer -----
SS Force Main Line Test Hole (SUE - LOS A)*	⊕
SS Force Main Line (SUE - LOS B)*	----- FSS -----
SS Force Main Line (SUE - LOS C)*	----- FSS -----
SS Force Main Line (SUE - LOS D)*	----- FSS -----

MISCELLANEOUS:

Utility Pole	●
Utility Pole with Base	⊕
Utility Located Object	○
Utility Traffic Signal Box	⊕
Utility Unknown U/G Line (SUE - LOS B)*	----- TUL -----
U/G Tank; Water, Gas, Oil	◻
Underground Storage Tank, Approx. Loc.	⊕
A/G Tank; Water, Gas, Oil	◻
Geoenvironmental Boring	⊕
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

PROJECT REFERENCE NO. HE-0001BA	SHEET NO. 1C
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

EROSION & SEDIMENT CONTROL LEGEND

Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type A	
1606.01	Special Sediment Control Fence		1633.02	Temporary Rock Silt Check Type B	
1622.01	Temporary Berms and Slope Drains		1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
1630.02	Silt Basin Type B		1634.01	Temporary Rock Sediment Dam Type A	
1630.03	Temporary Silt Ditch		1634.02	Temporary Rock Sediment Dam Type B	
1630.04	Stilling Basin		1635.01	Rock Pipe Inlet Sediment Trap Type A	
1630.05	Temporary Diversion		1635.02	Rock Pipe Inlet Sediment Trap Type B	
1630.06	Special Stilling Basin		1636.01	Excelsior Wattle Check	
1630.07	Skimmer Basin		1636.01	Excelsior Wattle Check with Flocculant	
1630.08	Tiered Skimmer Basin		1636.01	Coir Fiber Wattle Check	
1630.09	Earthen Dam with Skimmer		1636.01	Coir Fiber Wattle Check with Flocculant	
	Infiltration Basin		1636.02	Silt Fence Excelsior Wattle Break	
	Rock Inlet Sediment Trap:			Silt Fence Coir Fiber Wattle Break	
1632.01	Type A		1636.03	Excelsior Wattle Barrier	
1632.02	Type B		1636.03	Coir Fiber Wattle Barrier	
1632.03	Type C				

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

EROSION CONTROL AND SOIL STABILIZATION NOTES

1. THE "ROADWAY STANDARD DRAWINGS" - ROADWAY DESIGN UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 AND THE LATEST REVISION THERETO ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS.
2. THESE PLANS COMPLY WITH THE APPLICABLE REGULATIONS SET FORTH BY THE NCD-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE APRIL 1, 2019 AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER RESOURCES.
3. UTILIZE GRAVEL CONSTRUCTION ENTRANCE (STD. 1607.01) WHERE CONSTRUCTION VEHICLES ACCESS THE PROJECT SITE AT PUBLIC ROADS.
4. ALL AREAS OF GROUND DISTURBANCE, DUE TO THE RUTTING OF LARGE EQUIPMENT OR OTHERWISE, SHALL BE STABILIZED WITHIN THE TIME FRAMES SPECIFIED IN THE SOIL STABILIZATION TIMEFRAMES TABLE.
5. SEEDING & MULCHING AND TEMPORARY SEEDING SHALL CONFORM TO PROJECT SPECIAL PROVISIONS AND/OR AS DIRECTED BY THE ENGINEER OR ROADSIDE ENVIRONMENTAL UNIT - FIELD OPERATIONS ENGINEER.

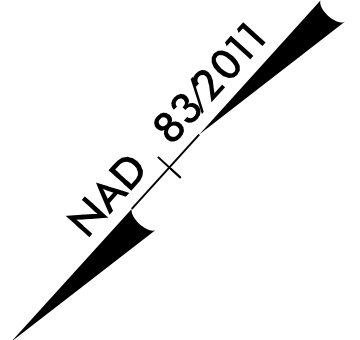
SOIL STABILIZATION TIMEFRAMES

<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 TO 4:1	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH WITH SLOPES STEEPER THAN 4:1. 7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES

PROJECT REFERENCE NO.	SHEET NO.
HE-0001BA	4
RW SHEET NO.	

GANNETT FLEMING
 One Glenwood Avenue
 Suite 800
 Raleigh, NC 27603
 919-429-7668
 NC Lic. No. P-2179

SAFETY FENCE TO BE INSTALLED ALONG THE PERIMETER OF ALL TREE CLEARING ACTIVITIES AND COINCIDENT WITH SILT FENCE ALONG JURISDICTIONAL AREAS



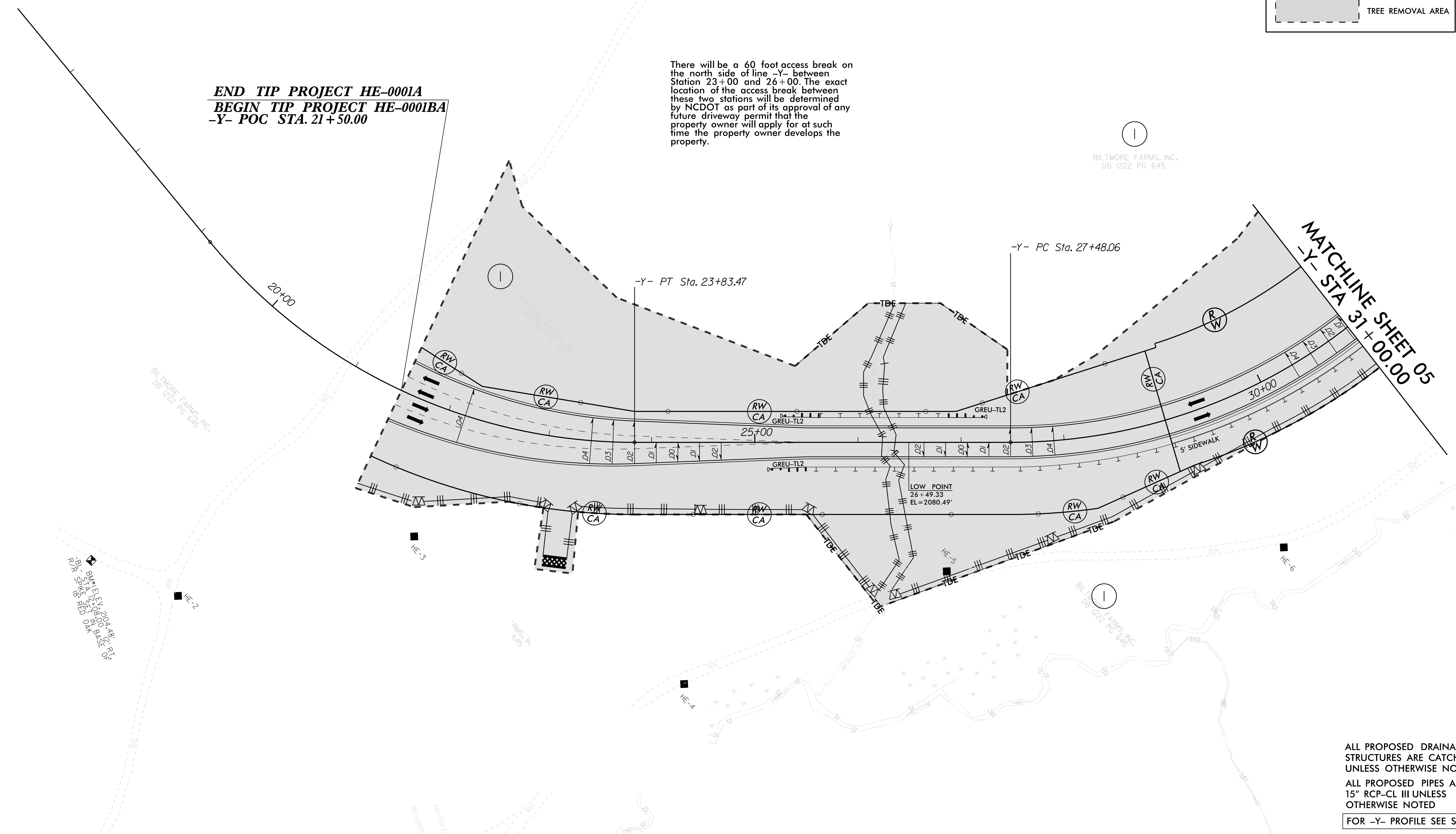
TREE REMOVAL AREA

END TIP PROJECT HE-0001A
BEGIN TIP PROJECT HE-0001BA
-Y- POC STA. 21+50.00

There will be a 60 foot access break on the north side of line -Y- between Station 23+00 and 26+00. The exact location of the access break between these two stations will be determined by NCDOT as part of its approval of any future driveway permit that the property owner will apply for at such time the property owner develops the property.

BILTMORE FARMS, INC.
 DB 1222 PG 645

MATCHLINE SHEET 05
-Y- STA 31+00.00



ALL PROPOSED DRAINAGE STRUCTURES ARE CATCH BASINS UNLESS OTHERWISE NOTED
 ALL PROPOSED PIPES ARE 15" RCP-CL III UNLESS OTHERWISE NOTED
 FOR -Y- PROFILE SEE SHEET 7

REVISIONS
 8/17/99
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 1/8/2025
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8/17/99

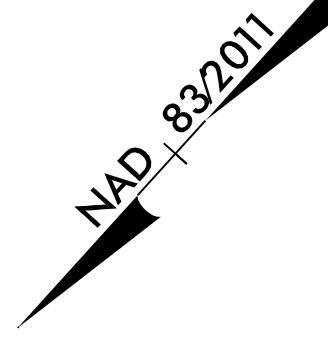
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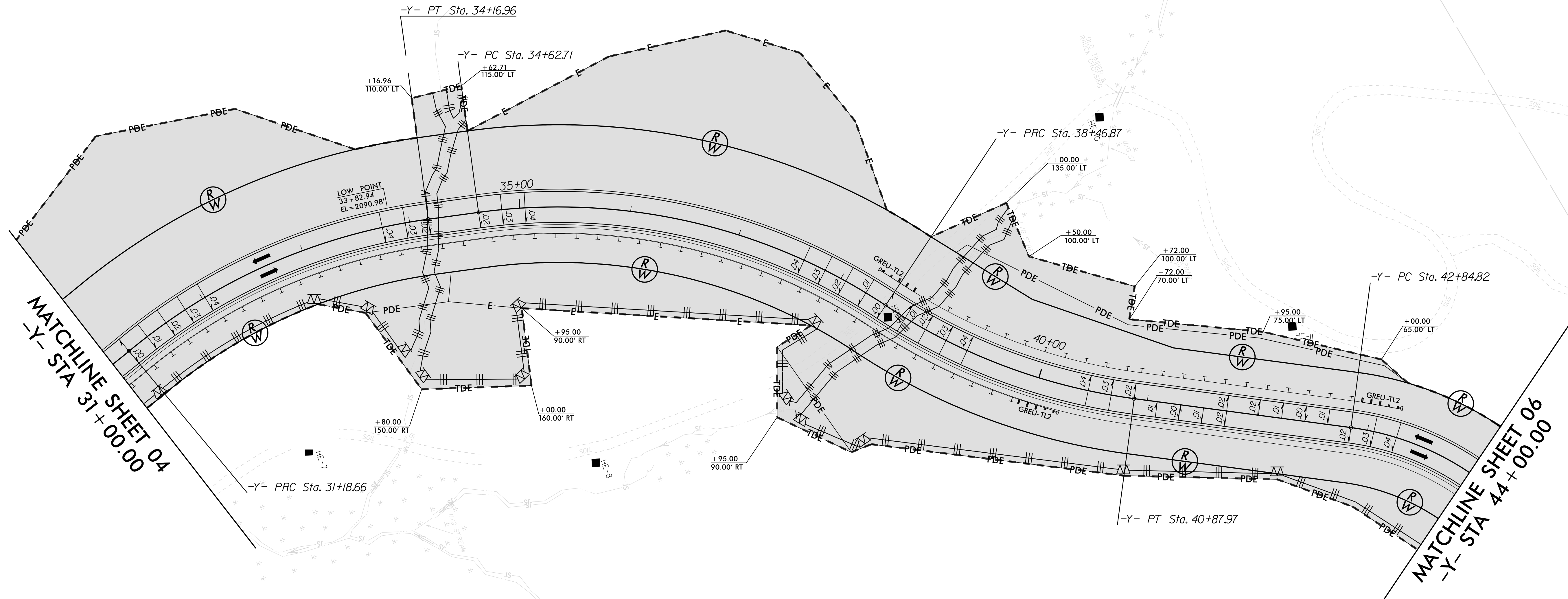
PROJECT REFERENCE NO.	SHEET NO.
HE-0001BA	5
RW SHEET NO.	

SAFETY FENCE TO BE INSTALLED ALONG THE PERIMETER OF ALL TREE CLEARING ACTIVITIES AND COINCIDENT WITH SILT FENCE ALONG JURISDICTIONAL AREAS

TREE REMOVAL AREA



BILTMORE FARMS, INC.
DB 1222 PG 645



ALL PROPOSED DRAINAGE STRUCTURES ARE CATCH BASINS UNLESS OTHERWISE NOTED
 ALL PROPOSED PIPES ARE 15" RCP-CL III UNLESS OTHERWISE NOTED
 FOR -Y- PROFILE SEE SHEET 8

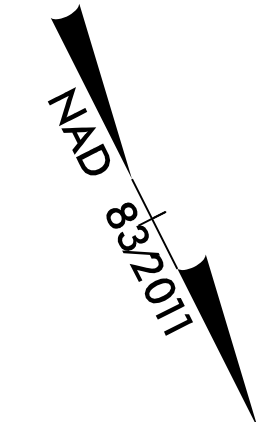
8/17/99

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SAFETY FENCE TO BE INSTALLED ALONG THE PERIMETER OF ALL TREE CLEARING ACTIVITIES AND COINCIDENT WITH SILT FENCE ALONG JURISDICTIONAL AREAS

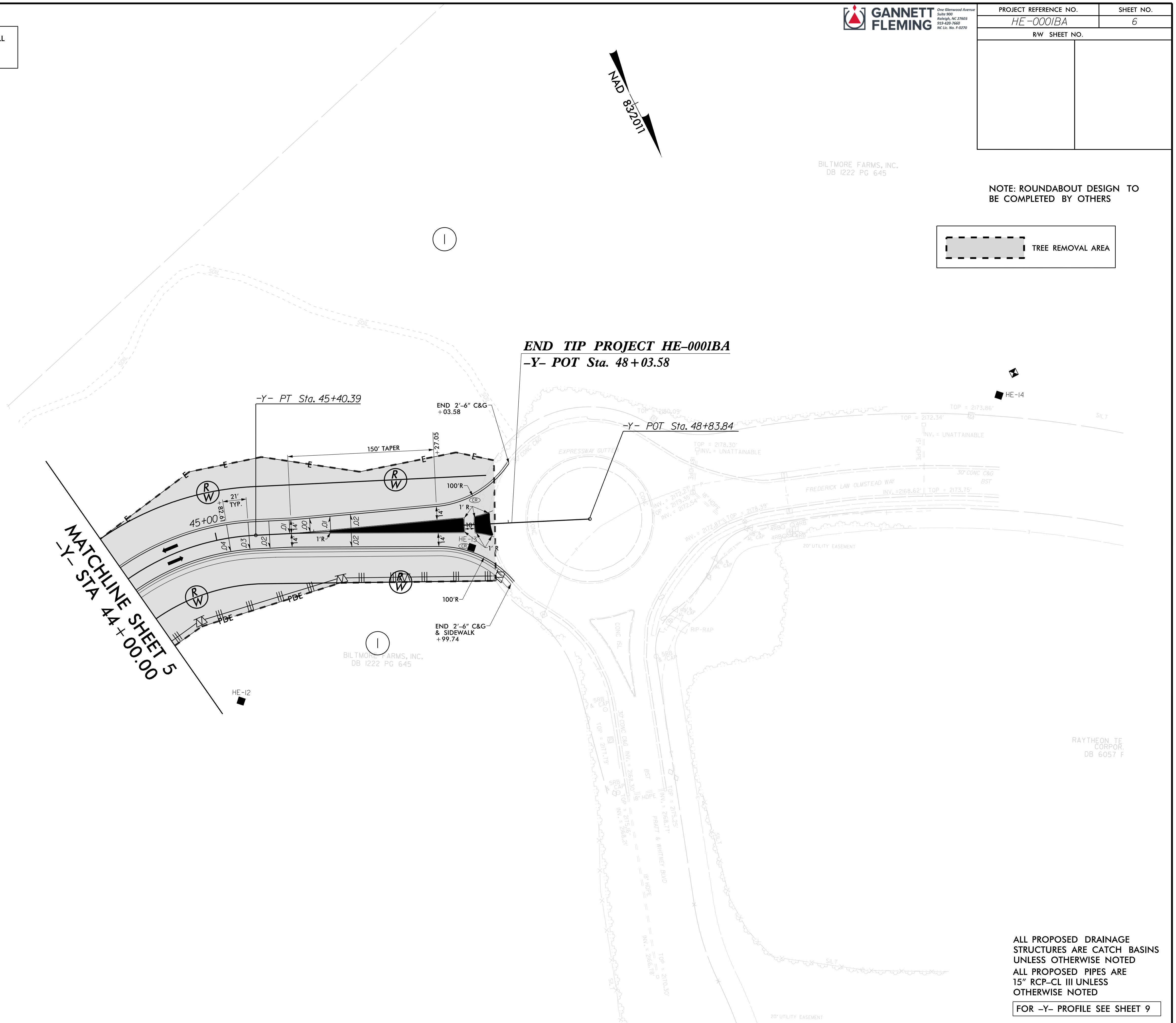
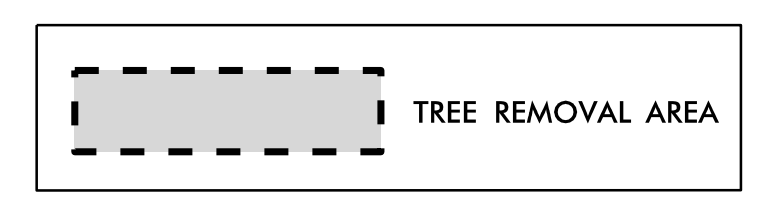


PROJECT REFERENCE NO.	SHEET NO.
HE-0001BA	6
RW SHEET NO.	



BILTMORE FARMS, INC.
DB I222 PG 645

NOTE: ROUNDABOUT DESIGN TO BE COMPLETED BY OTHERS



END TIP PROJECT HE-0001BA
-Y- POT Sta. 48+03.58

MATCHLINE SHEET 5
-Y- STA 44+00.00

-Y- PT Sta. 45+40.39

END 2'-6" C&G
+03.58

-Y- POT Sta. 48+83.84

END 2'-6" C&G
& SIDEWALK
+99.74

BILTMORE FARMS, INC.
DB I222 PG 645

RAYTHEON TE
CORPOR.
DB 6057 F

ALL PROPOSED DRAINAGE STRUCTURES ARE CATCH BASINS UNLESS OTHERWISE NOTED
ALL PROPOSED PIPES ARE 15" RCP-CL III UNLESS OTHERWISE NOTED

FOR -Y- PROFILE SEE SHEET 9