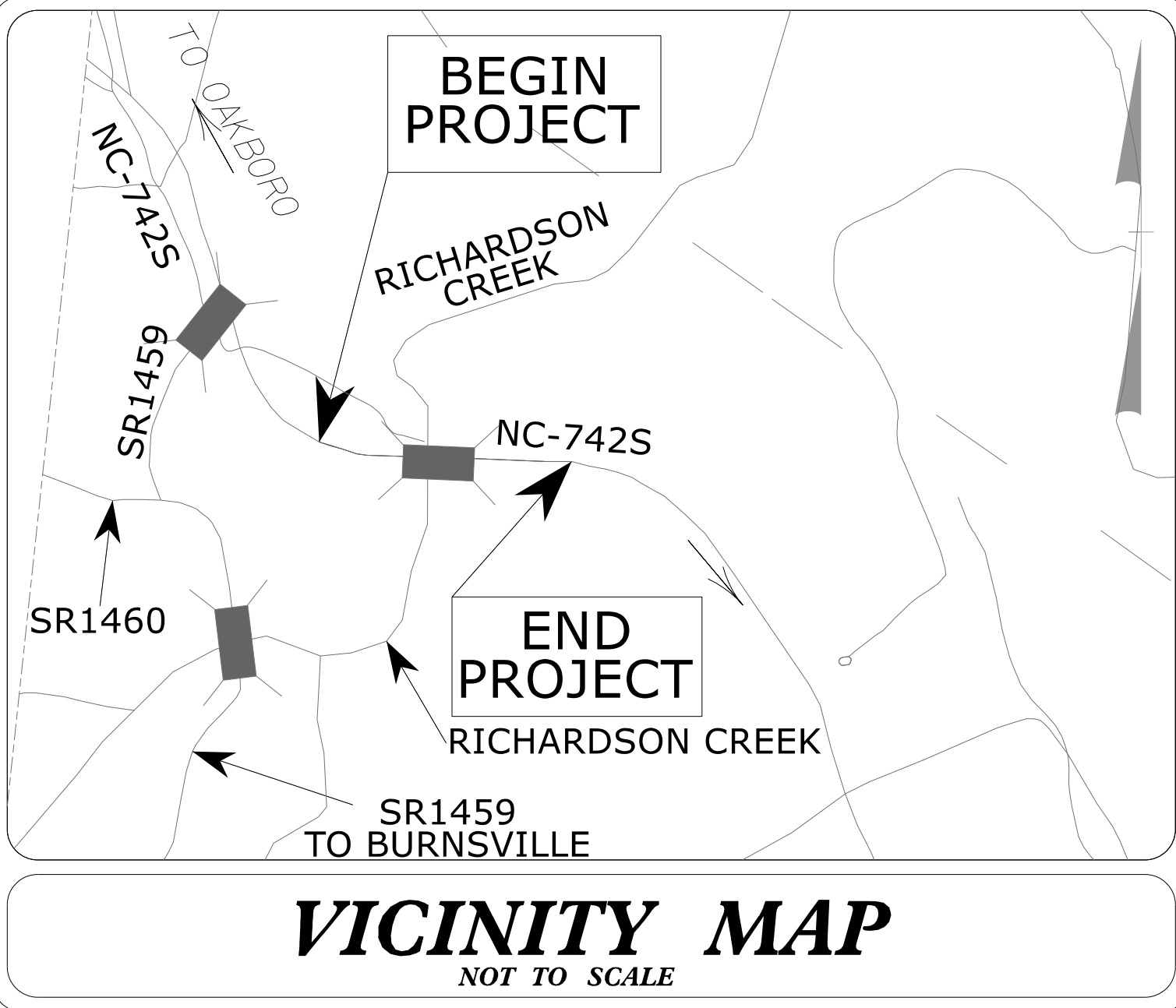


TIP PROJECT: BR-0063



STATE OF NORTH CAROLINA

DIVISION OF HIGHWAYS

PLAN FOR PROPOSED

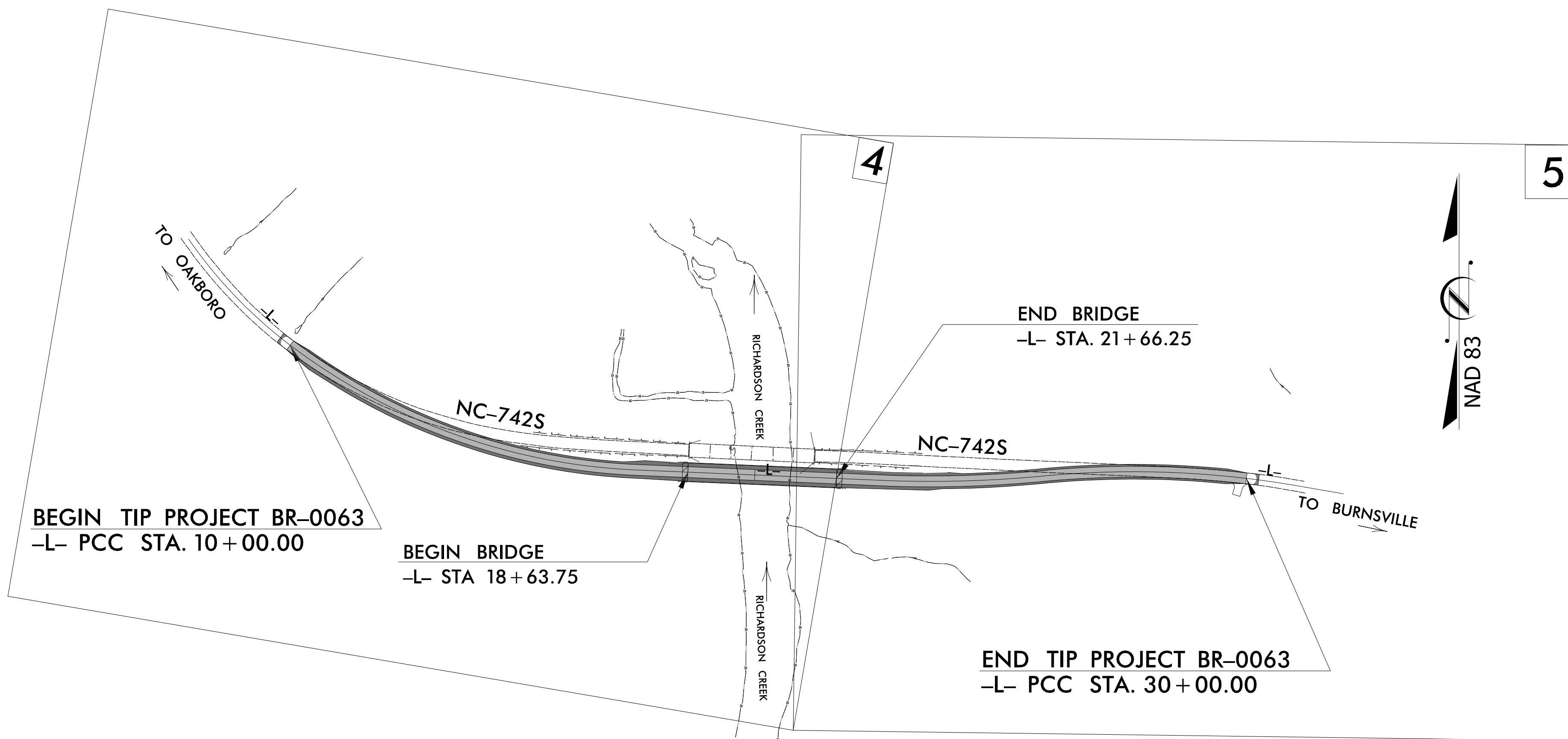
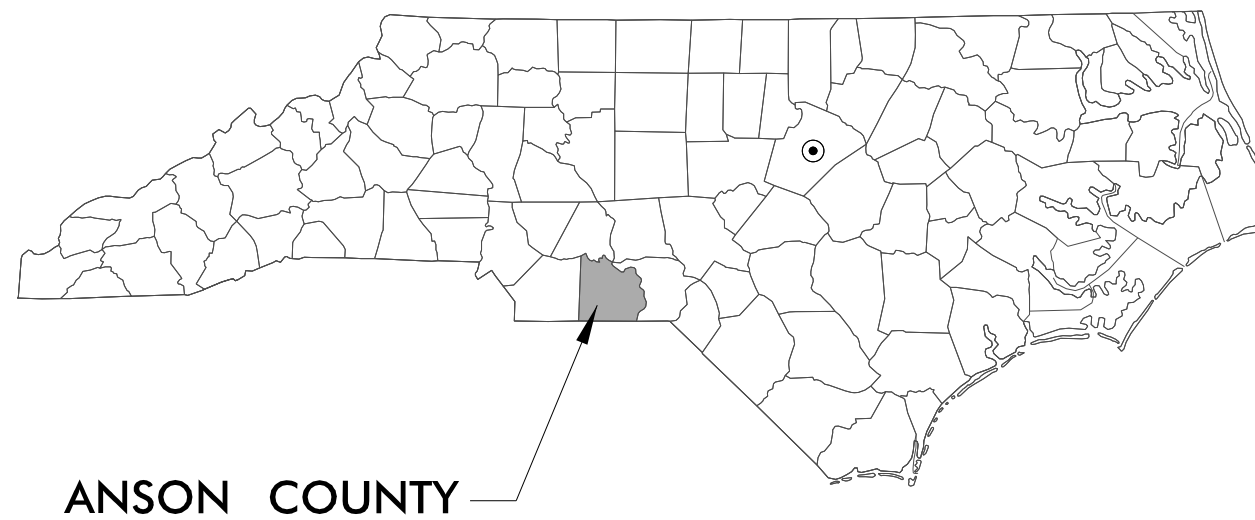
HIGHWAY EROSION CONTROL

LOCATION: *REPLACEMENT OF BRIDGE 030087 OVER
RICHARDSON CREEK ON NC 742*

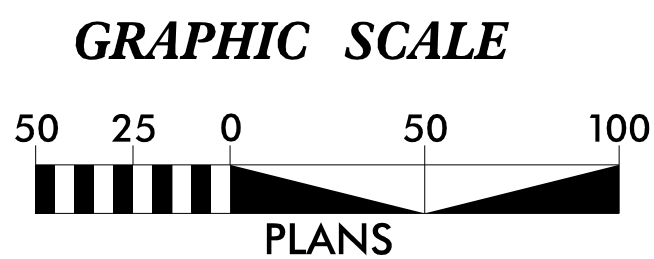
TYPE OF WORK: *GRADING, PAVING, DRAINAGE AND STRUCTURE*



10/2/2024



**THIS PROJECT CONTAINS
EROSION CONTROL PLANS
FOR CLEARING AND
GRUBBING PHASE OF
CONSTRUCTION.**



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH
THE APPLICABLE REGULATIONS SET FORTH BY THE NCG-010000
GENERAL CONSTRUCTION PERMIT ISSUED BY THE NORTH
CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION
OF WATER RESOURCES.



Prepared in the Office of:

ARCADIS
175 REGENCY WOODS PLACE, SUITE 400,
CARY NC, 27518
LICENSE #: F-0299

Designed by:

<i>ERIC REARDON, PE, CFM</i>	<i>3316</i>
<i>NAME</i>	<i>LEVEL III CERTIFICATION NO</i>

Roadway Standard Drawings

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.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

EROSION & SEDIMENT CONTROL LEGEND

PROJECT REFERENCE NO.
BR-0063

SHEET NO.
EC-02

ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

Seal

Professional Engineer
SEAL
029911
10/2/2024

Signature

Eric M. Kearney
10/2/2024

Std. #	Description	Symbol
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.02	Silt Basin Type B	
1630.03	Temporary Silt Ditch	
1630.04	Stilling Basin	
1630.05	Temporary Diversion	
1630.06	Special Stilling Basin	
1630.07	Skimmer Basin	
1630.08	Tiered Skimmer Basin	
1630.09	Earthen Dam with Skimmer	
	Infiltration Basin	
	Rock Inlet Sediment Trap:	
1632.01	Type A	
1632.02	Type B	
1632.03	Type C	

Std. #	Description	Symbol
1633.01	Temporary Rock Silt Check Type A	
1633.02	Temporary Rock Silt Check Type B	
1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
1634.01	Temporary Rock Sediment Dam Type A	
1634.02	Temporary Rock Sediment Dam Type B	
1635.01	Rock Pipe Inlet Sediment Trap Type A	
1635.02	Rock Pipe Inlet Sediment Trap Type B	
1636.01	Excelsior Wattle Check	
1636.01	Excelsior Wattle Check with Flocculant	
1636.01	Coir Fiber Wattle Check	
1636.01	Coir Fiber Wattle Check with Flocculant	
1636.02	Silt Fence Excelsior Wattle Break	
	Silt Fence Coir Fiber Wattle Break	
1636.03	Excelsior Wattle Barrier	
1636.03	Coir Fiber Wattle Barrier	

DITCH MATTING FOR EROSION CONTROL

MATTING FOR SLOPE PROTECTION

BR-0063	
EC	3
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ANSON COUNTY	
	
ROADWAY DESIGN UNIT ROADWAY DESIGN ENGINEER	
	
HYDRAULICS ENGINEER	
10/2/2024	
PREPARED BY	
 ARCADIS	

REVIEWS

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

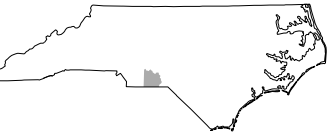
SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
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 WITHSLOPES 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

BR-0063

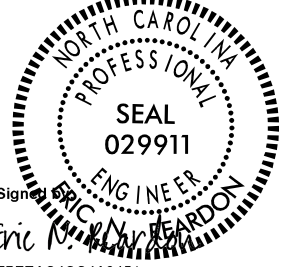
EC3A

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
ANSON COUNTY



ROADWAY DESIGN UNIT
ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER



Signature of E. M. McCarty

10/2/2024

PREPARED BY



115 REGENCY WOODS PLACE, STE. 400, CARY, NC 27518
Phone: 919-241-2322, 919-241-7227

REVISIONS

BR-0063

EC004

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
ANSON COUNTY

ROADWAY DESIGN UNIT
ROADWAY DESIGN
ENGINEER

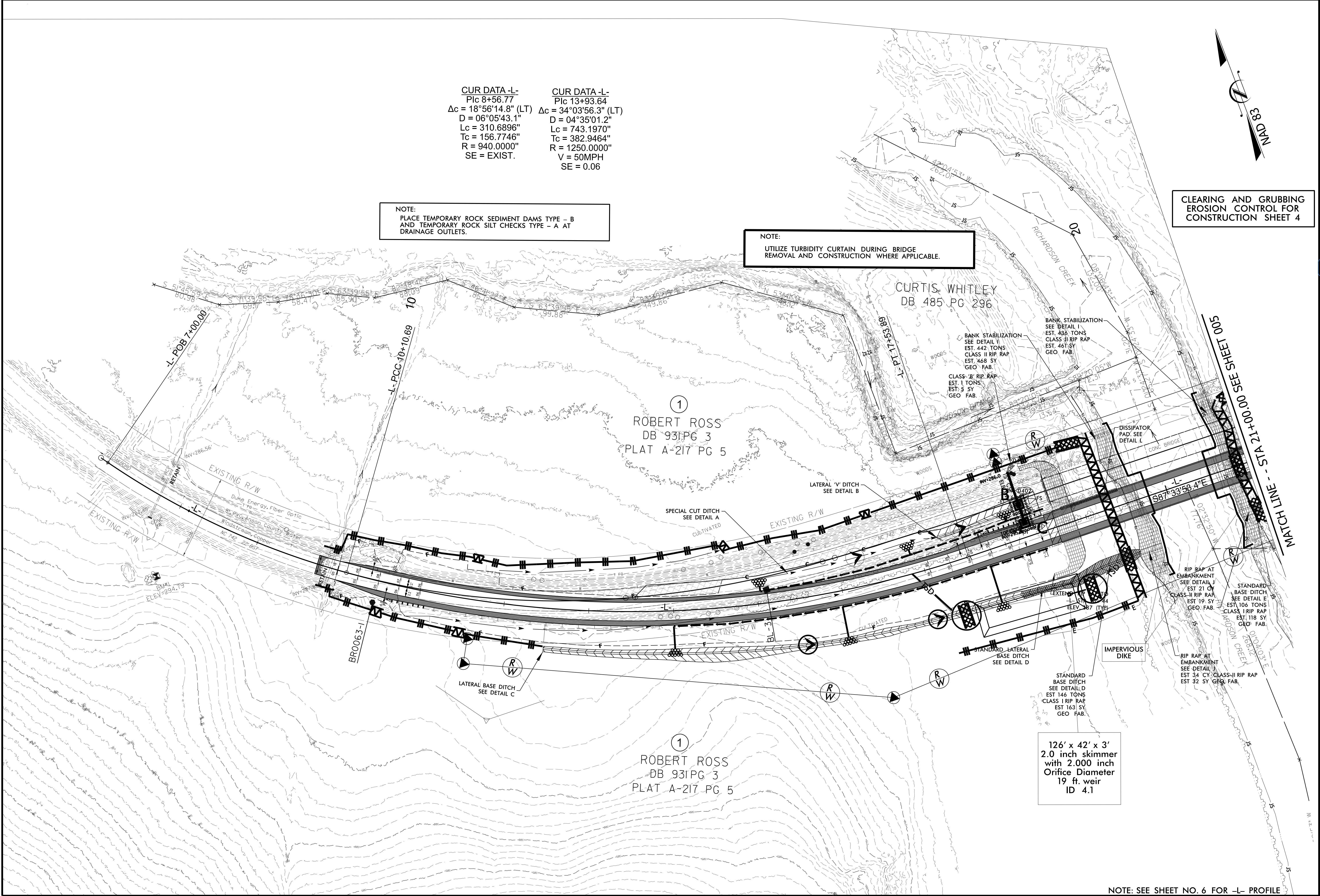
HYDRAULICS
ENGINEER

Signature: Eric M. Mullen
FEBEACAC060605110/2/2024

PREPARED BY

115 REGENCY WOODS PLACE, STE. 400, CARY, NC 27518
Phone: 919-244-2322, Fax: 919-244-2327

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



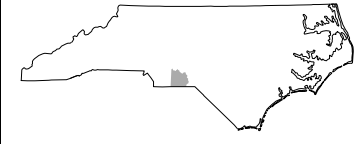
REVISIONS

NOTE: SEE SHEET NO. 6 FOR -L- PROFILE

BR-0063

EC005

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
ANSON COUNTY

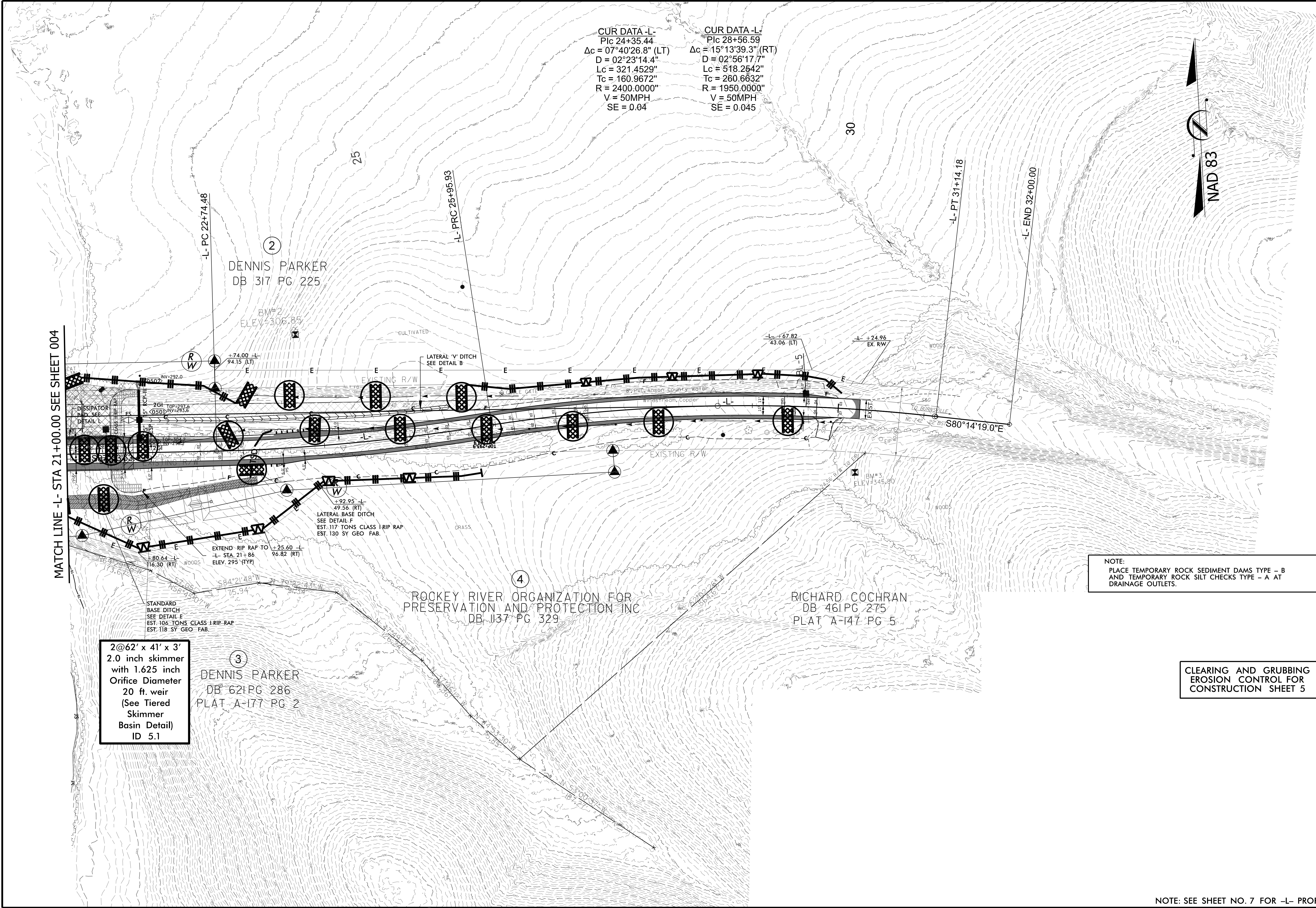

ROADWAY DESIGN UNIT
ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER


10/2/2024

PREPARED BY


115 REGENCY WOODS PLACE, STE. 400, CARY, NC 27518
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BR-0063

EC006

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
ANSON COUNTY

ROADWAY DESIGN UNIT
ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

SEAL
029911

ENGINEER

Eric M. Pearson

10/2/2024

PREPARED BY

ARCADIS

115 REGENCY WOODS PLACE, STE. 400, CARY, NC 27518
Phone: 919-542-3333, Fax: 919-542-3337

FINAL EROSION CONTROL
FOR CONSTRUCTION
SHEET 4

NOTE:
UTILIZE TURBIDITY CURTAIN DURING BRIDGE
REMOVAL AND CONSTRUCTION WHERE APPLICABLE.

CURTIS WHITLEY
DB 485 PG 296

1
ROBERT ROSS
DB 931 PG 3
PLAT A-217 PG 5

1
ROBERT ROSS
DB 931 PG 3
PLAT A-217 PG 5

BEGIN TIP PROJECT BR-0063
-L- PCC STA. 10+00.00

BEGIN CONSTRUCTION
BEGIN MILL/RESURF.
-L- STA. 9+75.00

BEGIN FULL DEPTH PAVE
-L- STA. 14+60.00

BEGIN APPROACH SLAB
-L- STA. 18+51.65

BEGIN BRIDGE
-L- STA. 18+63.75

126' x 42' x 3'
2.0 inch skimmer
with 2.000 inch
Orifice Diameter
19 ft. weir
ID 4.1

Install Matting for Erosion Control on
Entire Slope as Work Allows.
SEE EC-3 FOR STATION RANGES

NOTE: SEE SHEET NO. 6 FOR -L- PROFILE

CUR DATA -L-
Plc 24+35.44
 $\Delta c = 07^{\circ}40'26.8''$ (LT)
D = $02^{\circ}23'14.4''$
Lc = 321.4529"
Tc = 160.9672"
R = 2400.0000"
V = 50MPH
SE = 0.04

CUR DATA -L-
Plc 28+56.59
 $\Delta c = 15^{\circ}13'39.3''$ (RT)
D = $02^{\circ}56'17.7''$
Lc = 518.2542"
Tc = 260.6632"
R = 1950.0000"
V = 50MPH
SE = 0.045



BR-0063

EC007

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
ANSON COUNTY

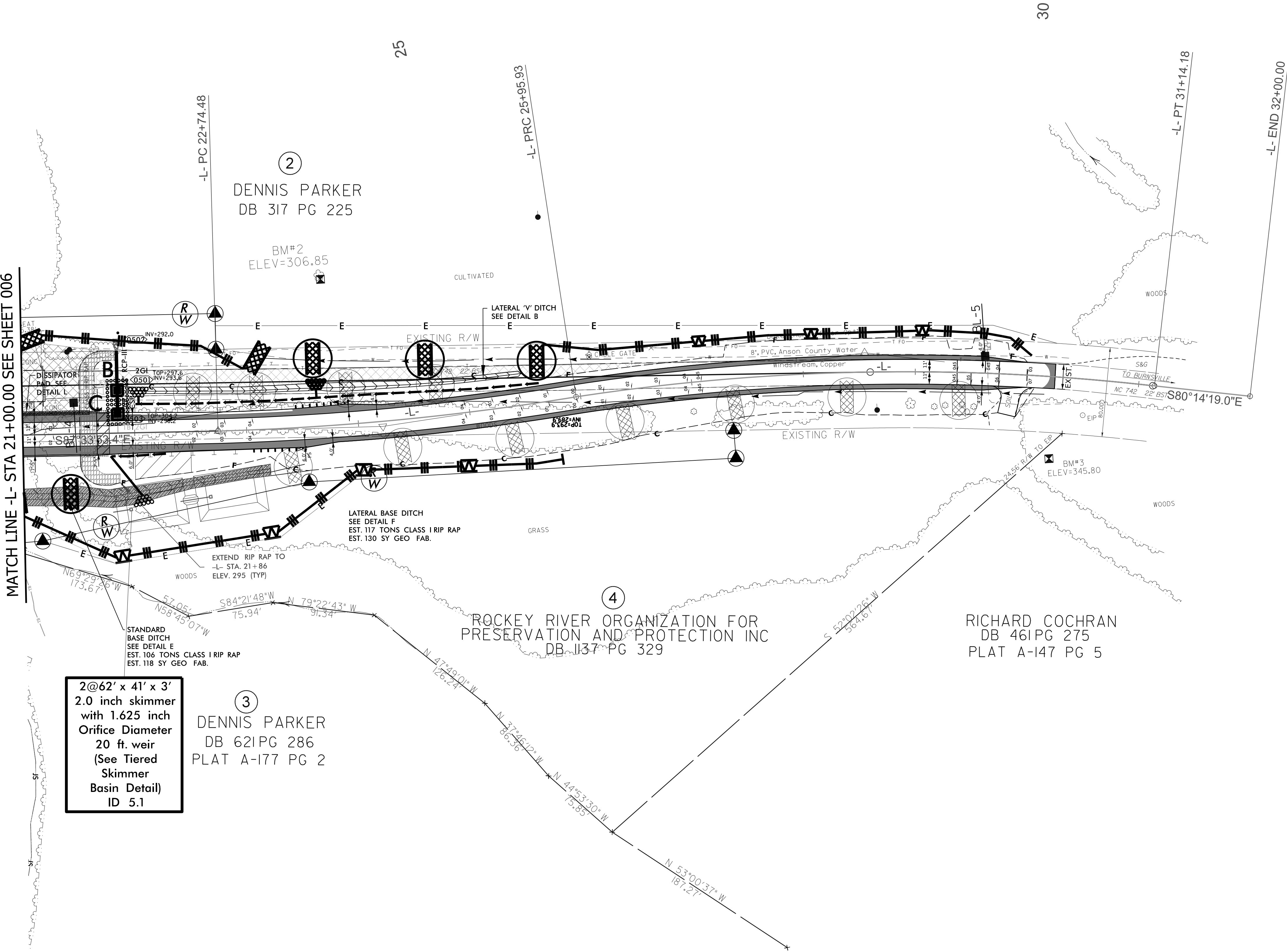
ROADWAY DESIGN UNIT
ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

10/2/2024

PREPARED BY

175 REGENCY WOODS PLACE, STE. 400, CARY, NC 27518
PHOTO: 919-662-0000 FAX: 919-662-0007



Install Matting for Erosion Control on Entire Slope as Work Allows.
SEE EC-3 FOR STATION RANGES

FINAL EROSION CONTROL FOR CONSTRUCTION SHEET 5

2@62' x 41' x 3'
2.0 inch skimmer
with 1.625 inch
Orifice Diameter
20 ft. weir
(See Tiered
Skimmer
Basin Detail)
ID 5.1

③
DENNIS PARKER
DB 62IPG 286
PLAT A-177 PG 2

④
ROCKY RIVER ORGANIZATION FOR
PRESERVATION AND PROTECTION INC
DB 1137 PG 329

RICHARD COCHRAN
DB 46IPG 275
PLAT A-147 PG 5

REVISIONS