



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J.R. "JOEY" HOPKINS  
SECRETARY

August 29, 2024

MEMORANDUM TO: Division Environmental and Construction Units

FROM: Jason L. Dilday, ECAP Western Region Supervisor  
Environmental Analysis Unit

SUBJECT: **Environmental Permits** for the **Geotechnical Investigations** for construction of the Mid-Currituck Bridge, Currituck County, Division 1, **TIP: R-2576.**

Please find enclosed the following permits for this project:

Agency	Permit Type	Permit Expiration
US Army Corps of Engineers Section 404 Clean Water Act Permit	Nationwide Permit 6	March 14, 2026
NC Division of Water Resources Section 401 Water Quality Certification	General Certification No. 4242 [NWP 6] (non-written)	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) or accompanying drawings 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/](https://xfer.services.ncdot.gov/pdea/PermIssued/_General_Conditions_and_Certifications/)



**DEPARTMENT OF THE ARMY**  
**U.S. ARMY CORPS OF ENGINEERS, WILMINGTON DISTRICT**  
**WILMINGTON REGULATORY OFFICE**  
**69 DARLINGTON AVENUE**  
**WILMINGTON NORTH CAROLINA 28403**

August 28, 2024

Regulatory Division  
SAW-1995-02242

Sent Via email: [jldilday1@ncdot.gov](mailto:jldilday1@ncdot.gov)

Jason Dilday  
NCDOT  
1000 Birch Ridge Drive  
Raleigh, North Carolina 27610

Dear Mr. Dilday:

This letter is in response to the Pre-Construction Notification (PCN) you submitted to the Wilmington District, WRDA on July 10, 2024, for a Department of the Army Nationwide permit (NWP) verification. This project has been assigned the file number SAW-1995-02242 and is known as NCDOT/Mid-Currituck Sound Bridge/TIP R-2576. This file number should be referenced in all correspondence concerning this project.

A review of the information provided indicates that the proposed work would include the process of conducting geotechnical sampling within the alignment of the proposed R-2576 project. The project area for this determination includes the Maple Swamp and Currituck Sound areas within the R-2576 Mid-Currituck Bridge which is illustrated on the project area plans included with the PCN application. The project/review area is located on the south side of US 158, at Latitude 36.369840 and Longitude -75.957770; in Barco, Currituck County, North Carolina.

We have determined that the proposed work is authorized by Nationwide Permit 6 pursuant to authorities under Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. § 403) and Section 404 of the Clean Water Act (33 U.S.C § 1344). The proposed work must be accomplished in strict accordance with the general permit conditions, any regional conditions, the special conditions listed in this letter, the application materials, and the enclosed plans. If the extent of the project area and/or nature of the authorized impacts to waters are modified, a revised PCN must be submitted to this office for written approval before work is initiated. Any violation of permit conditions or deviation from your submitted plans may subject the permittee to enforcement action.

This verification is valid until April 14, 2026, unless prior to this date the subject NWP(s) is suspended, revoked, or is modified such that the activity no longer complies with the terms and conditions of this NWP. If you commence or are under contract to

commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

**Project Specific Special Conditions:**

1. The NCDOT shall implement the “Guidelines for Avoiding Impacts to the West Indian Manatee: Precautionary Measures for Construction Activities in North Carolina Waters” as identified by the USFW Service.
2. The Wilmington District, Federal Highway Administration, U.S. Fish and Wildlife Service (USFWS), and the North Carolina Department of Transportation (NCDOT) have conducted programmatic Section 7(a)(2) consultation for the Northern long-eared bat (NLEB) for NCDOT projects located in Divisions 1-8. The result of this programmatic consultation is a Programmatic Biological Opinion (PBO) issued by the USFWS titled, “Programmatic Biological Opinion – Revised, NCDOT Program Effects on the Northern Long-eared Bat in Divisions 1-8”, dated December 15, 2022. This PBO contains agreed upon conservation measures which would minimize take of NLEB. As noted in the PBO, applicability of these conservation measures varies depending on the location of the project. The USFWS has documented that no reasonable and prudent measures, nor terms and conditions, are necessary or appropriate to minimize the amount or extent of incidental take of NLEB caused by the Action; therefore, the incidental take statement does not provide reasonable and prudent measures for this species. Department of the Army (DA) authorization under general permit or standard permit (Individual Permit) is conditional upon the permittee’s compliance with applicable, agreed upon conservations measures of the PBO, which is incorporated by reference in this verification letter. Failure to comply with the applicable conservation measures, where a take of the NLEB occurs, would constitute an unauthorized take by the permittee, and would also constitute permittee non-compliance with this verification letter. The USFWS is the appropriate authority to determine compliance with the terms and conditions of its PBO and the ESA. All PBOs can be found on our website at:  
<https://www.saw.usace.army.mil/Missions/Regulatory-Permit-Program/Agency-Coordination/ESA/>.

This NWP verification does not preclude the necessity to obtain any other Federal, State, or local permits, licenses, and/or certifications, which may be required.

If you have any questions related to this verification or have issues accessing documents referenced in this letter, please contact Kyle Barnes, Transportation Project Manager of the WRDA at 910-251-4584, by mail at the above address, or by email at [kyle.w.barnes@usace.army.mil](mailto:kyle.w.barnes@usace.army.mil). Please take a moment to complete our customer satisfaction survey located at <https://regulatory.ops.usace.army.mil/customer-service-survey/>.

Sincerely,

*M. Scott Jones* 2024.08.28  
16:31:28  
-04'00'

M. Scott Jones, PWS  
NCDOT/WRDA Branch Chief  
USACE - Wilmington District

**Compliance Certification Form**

**File Number: SAW-1995-02242**

**County: Currituck**

**Permittee: NCDOT, Jason Dilday**

**Project Name: NCDOT/Mid-Currituck Sound Bridge/TIP R-2576**

**Date Verification Issued: 8/28/2024**

**Project Manager: Kyle Barnes**

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the following address:

**US ARMY CORPS OF ENGINEERS  
Wilmington District  
Attn: Kyle Barnes  
WRDA  
2407 West 5th Street  
Washington, North Carolina 27889  
or  
kyle.w.barnes@usace.army.mil**

Please note that your permitted activity is subject to a compliance inspection by a U. S. Army Corps of Engineers representative. Failure to comply with any terms or conditions of this authorization may result in the Corps suspending, modifying or revoking the authorization and/or issuing a Class I administrative penalty, or initiating other appropriate legal action.

I hereby certify that the work, and mitigation (if applicable), authorized by the above referenced permit has been completed in accordance with the terms and conditions of the said permit including any general or specific conditions.

**Date Authorized Work Started:** \_\_\_\_\_ **Completed:** \_\_\_\_\_

Describe any deviations from permit (attach drawing(s) depicting the deviations):

\_\_\_\_\_

\_\_\_\_\_  
**\*Note: The description of any deviations on this form does not constitute approval by the Corps.**

\_\_\_\_\_  
**Signature of Permittee**

\_\_\_\_\_  
**Date**

05/08/16

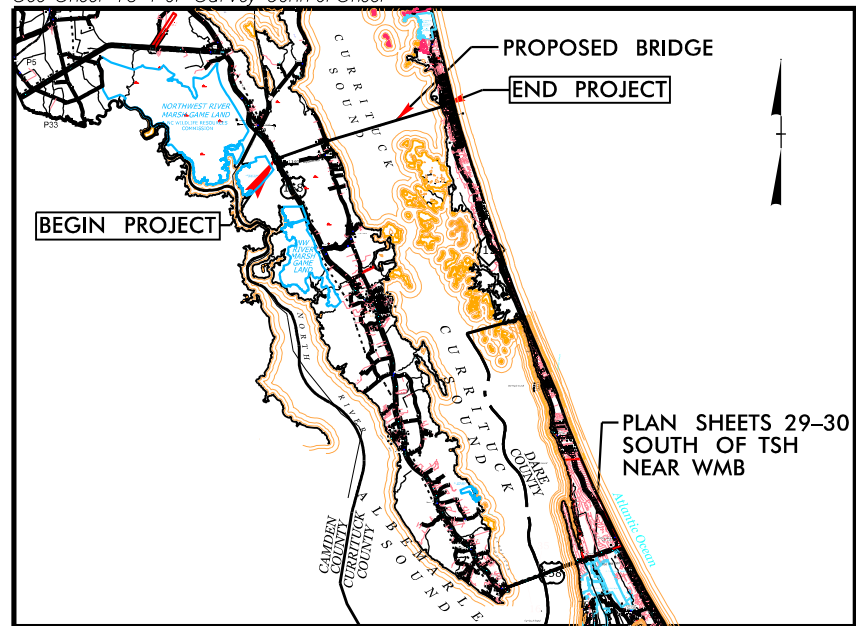
See Sheet 1A For Index of Sheets  
See Sheet 1B For Conventional Symbols  
See Sheet 1C For Survey Control Sheet

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

# CURRITUCK & DARE COUNTIES

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-2576	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34470.1.TA1	BRSTP-000(494)	P.E.	

TIP PROJECT: R-2576



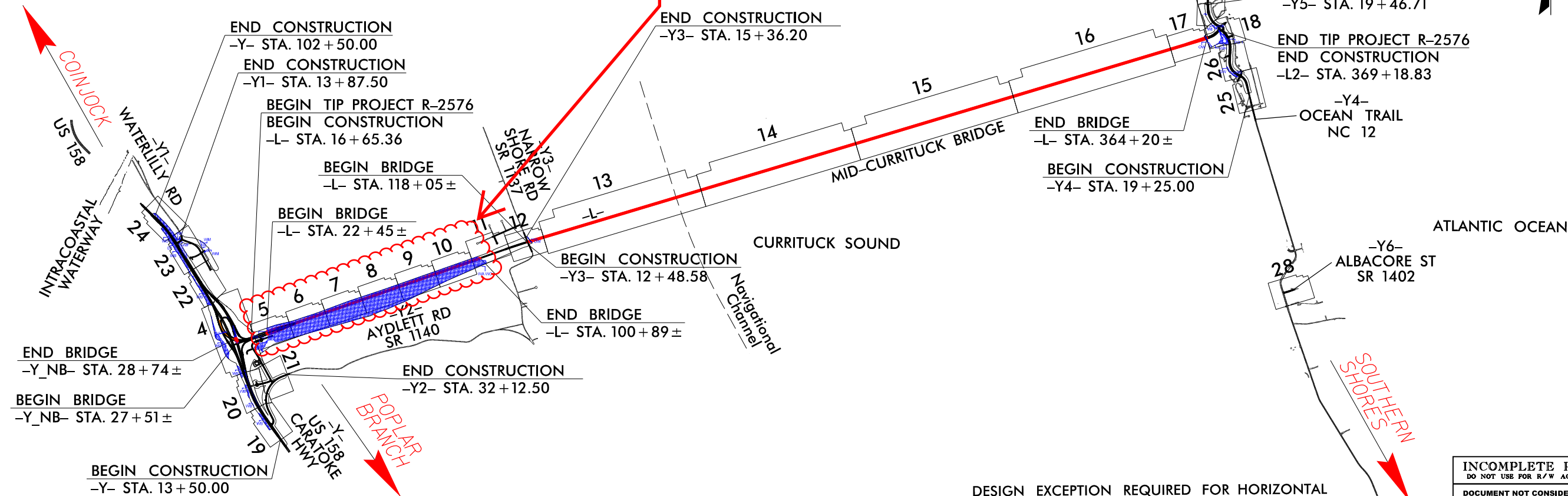
VICINITY MAP

75% PLANS

LOCATION: MID-CURRITUCK BRIDGE FROM US 158 SOUTH OF COINJOCK TO NC 12 SOUTH OF COROLLA

TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURES

R-2576 ROADWAY  
TITLE SHEET  
PERMIT LIMITS



NAD 83 / 2011

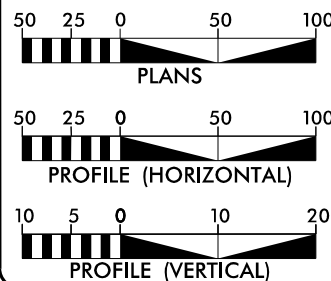
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD —

DESIGN EXCEPTION REQUIRED FOR HORIZONTAL CURVE ON Y2 (AYDLETT RD)

INCOMPLETE PLANS  
DO NOT USE FOR R/W ACQUISITION  
DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

CONTRACT:

GRAPHIC SCALES



DESIGN DATA

# ADT 2020 = 11,800  
 ADT 2040 = 18,000  
 K = 9 %  
 D = 60 %  
 T = 7 % \*  
 V = 60 MPH  
 \* (TTST=2) + (DUAL=1)  
 + (RV=4)  
 FUNC CLASS =  
 ARTERIAL STATEWIDE TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT R-2576 = 0.524 Miles  
 LENGTH STRUCTURES = 6.153 Miles  
 TOTAL LENGTH TIP PROJECT R-2576 = 6.677 Miles

# PROJECT LEVEL TRAFFIC FORECAST (JUNE 2016) (SUMMER WEEKEND)

Prepared In the Office of:

**LOCHNER**  
 H. W. LOCHNER, INC.  
 2840 PLAZA PLACE, SUITE 202  
 RALEIGH, NC 27612  
 (919) 571-7111

1223 Jones Franklin Rd.  
 Raleigh, NC 27606  
 Phone: 919 851 8107  
 Fax: 919 851 8107

NC License  
 Number F-0159

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

FY 2020

LETTING DATE:

FY 2020

BRIAN K. EASON, PE  
PROJECT ENGINEER

CHRISTINA L. YOKELEY, PE  
PROJECT DESIGN ENGINEER

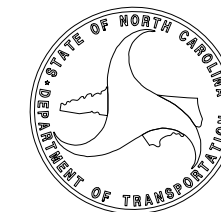
DENNIS JERNIGAN, PE  
NCDOT / NCTA

HYDRAULICS ENGINEER

SIGNATURE: \_\_\_\_\_ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: \_\_\_\_\_ P.E.



\$\$\$SYTIME\$\$\$\$\$  
\$\$\$DON\$\$\$\$\$  
\$\$\$USERNAME\$\$\$\$\$

6/22/99

**LOCHNER**

H. W. LOCHNER, INC.  
2840 PLAZA PLACE, SUITE 202  
RALEIGH, NC 27612  
(919) 571-7111

NC License  
Number F-0159

PROJECT REFERENCE NO. SHEET NO.

R-2576 5

ROADWAY DESIGN ENGINEER PAVEMENT DESIGN ENGINEER

**INCOMPLETE PLANS**  
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

PAVED SHOULDER

**BEGIN  
CLEARING**  
-L- STA. 23+04

**MAPLE SWAMP GEOTECHNICAL  
INVESTIGATION**  
Clearing and Matting Disturbances  
12 ft wide x 7,747 feet long = ~93,000 square feet



MATCHLINE SHEET 4  
-L- STA. 18+00

MATCHLINE SHEET 4  
-Y2A- STA. 26+50

MATCHLINE SHEET 6  
-L- STA. 31+00

SEE SHEET 20 FOR DTOR DETAILS  
SEE SHEET 31 FOR -L- PROFILE  
SEE SHEET 47 FOR -Y2A- PROFILE

6/24/2024  
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6/22/99

# LOCHNER

H. W. LOCHNER, INC.  
2840 PLAZA PLACE, SUITE 202  
RALEIGH, NC 27612  
(919) 571-7111

NC License  
Number F-0159

PROJECT REFERENCE NO.

R-2576

SHEET NO.

6

ROADWAY DESIGN  
ENGINEER

PAVEMENT DESIGN  
ENGINEER

**INCOMPLETE PLANS**  
DO NOT USE FOR A/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

PAVED SHOULDER

MATCHLINE SHEET 5  
-L- STA. 31+00



MATCHLINE SHEET 7  
-L- STA. 44+00

6/24/2024  
P:\Projects\2576\_P2576\_DEO\_psh06.dgn  
P2576\_DEO

SEE SHEET 32 FOR -L- PROFILE



6/22/99

# LOCHNER

H. W. LOCHNER, INC.  
2840 PLAZA PLACE, SUITE 202  
RALEIGH, NC 27612  
(919) 571-7111

NC License  
Number F-0159

PROJECT REFERENCE NO.

R-2576

SHEET NO.

7

ROADWAY DESIGN  
ENGINEER

PAVEMENT DESIGN  
ENGINEER

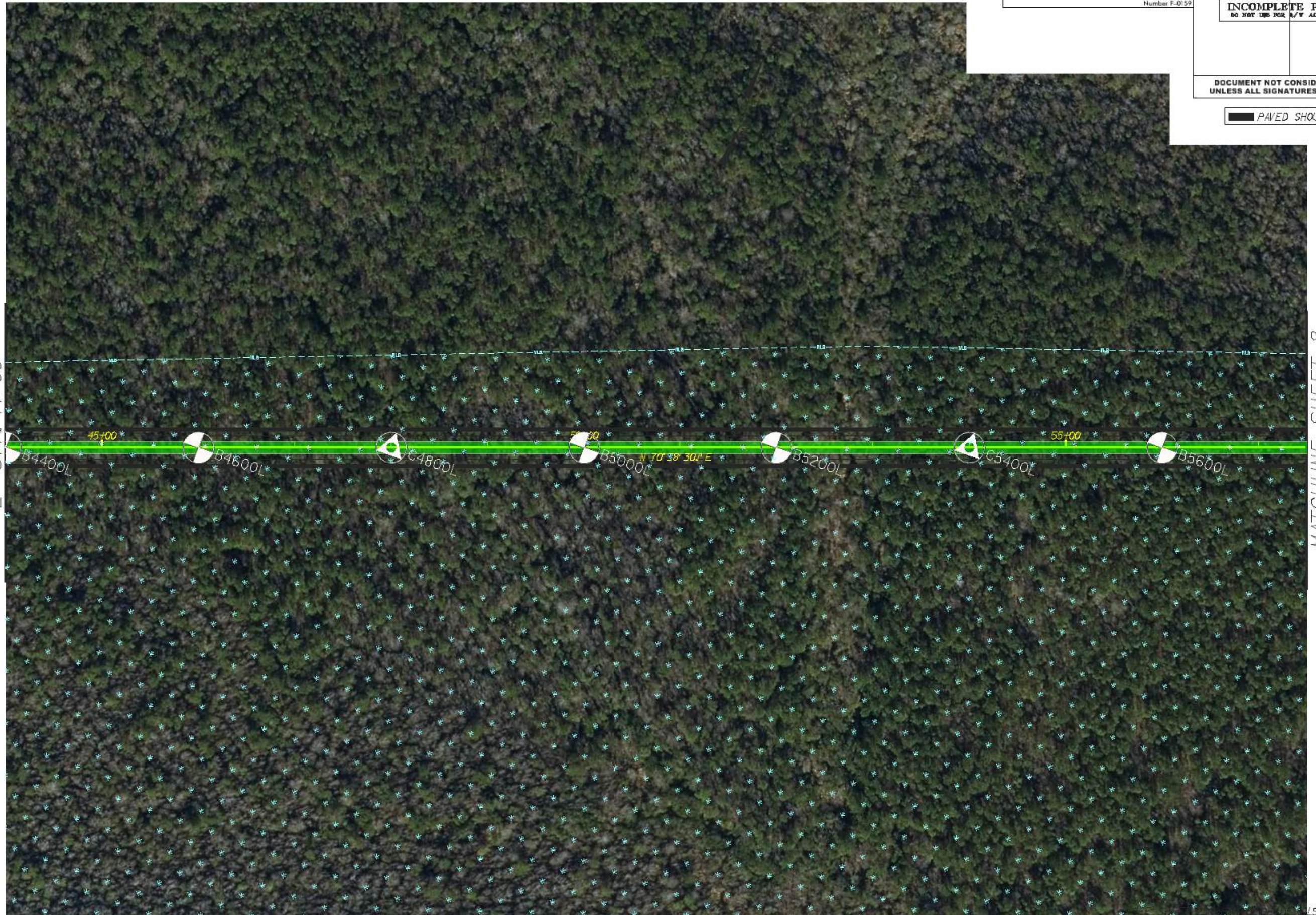
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DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

PAVED SHOULDER

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-L- STA. 44+00



MATCHLINE SHEET 8  
-L- STA. 57+50

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SEE SHEET 32 FOR -L- PROFILE

6/2/99

# LOCHNER

H. W. LOCHNER, INC.  
2840 PLAZA PLACE, SUITE 202  
RALEIGH, NC 27612  
(919) 571-7111

NC License  
Number F-0139

PROJECT REFERENCE NO.

R-2576

SHEET NO.

8

ROADWAY DESIGN  
ENGINEER

PAVEMENT DESIGN  
ENGINEER

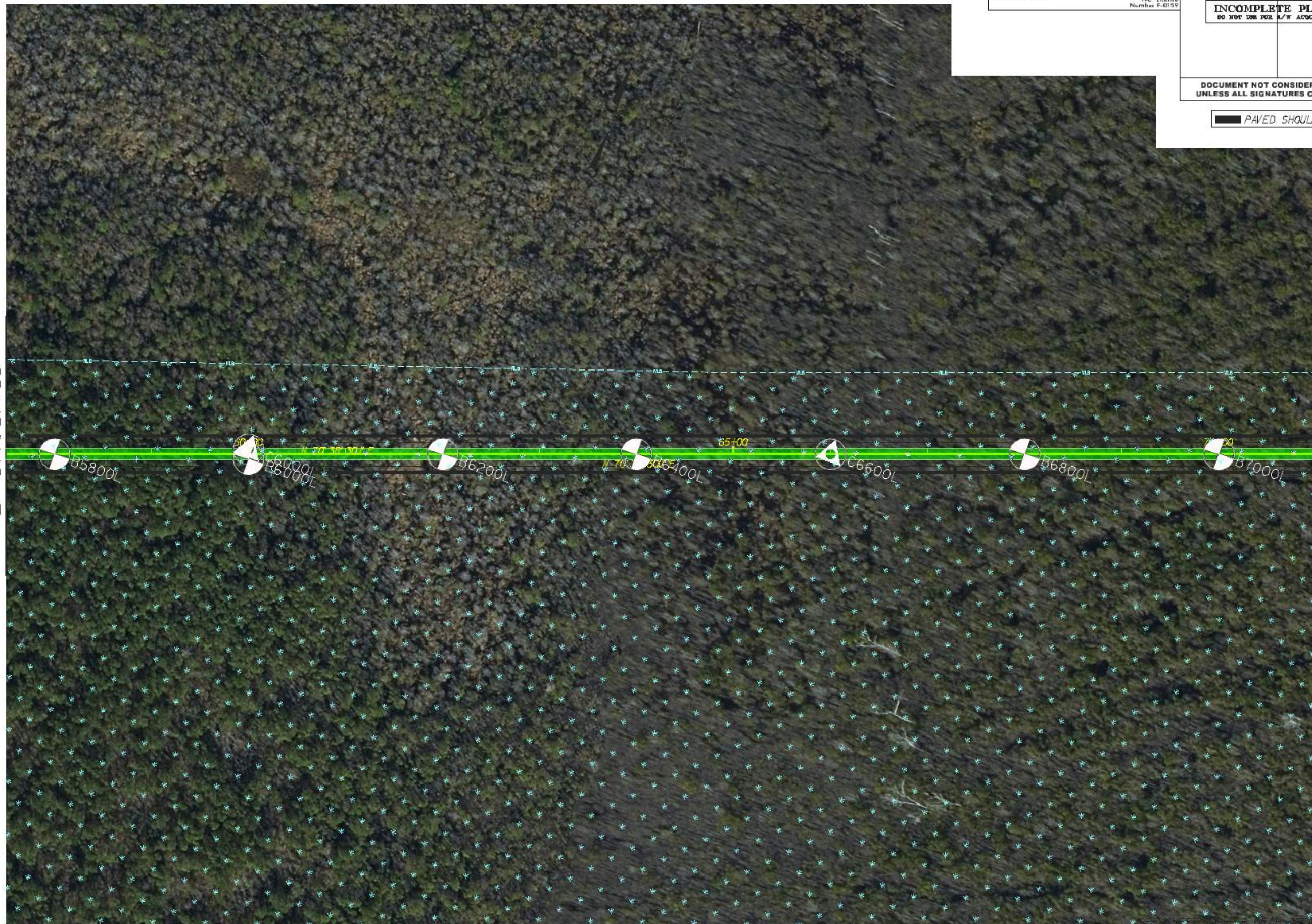
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DO NOT USE FOR A/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

PAVED SHOULDER

MATCHLINE SHEET 7  
-L- STA. 57+50



MATCHLINE SHEET 9  
-L- STA. 71+00

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SEE SHEET 33 FOR -L- PROFILE

6/22/99

# LOCHNER

H. W. LOCHNER, INC.  
2840 PLAZA PLACE, SUITE 202  
RALEIGH, NC 27612  
(919) 571-7111

NC License  
Number F-0159

PROJECT REFERENCE NO. SHEET NO.

R-2576 9

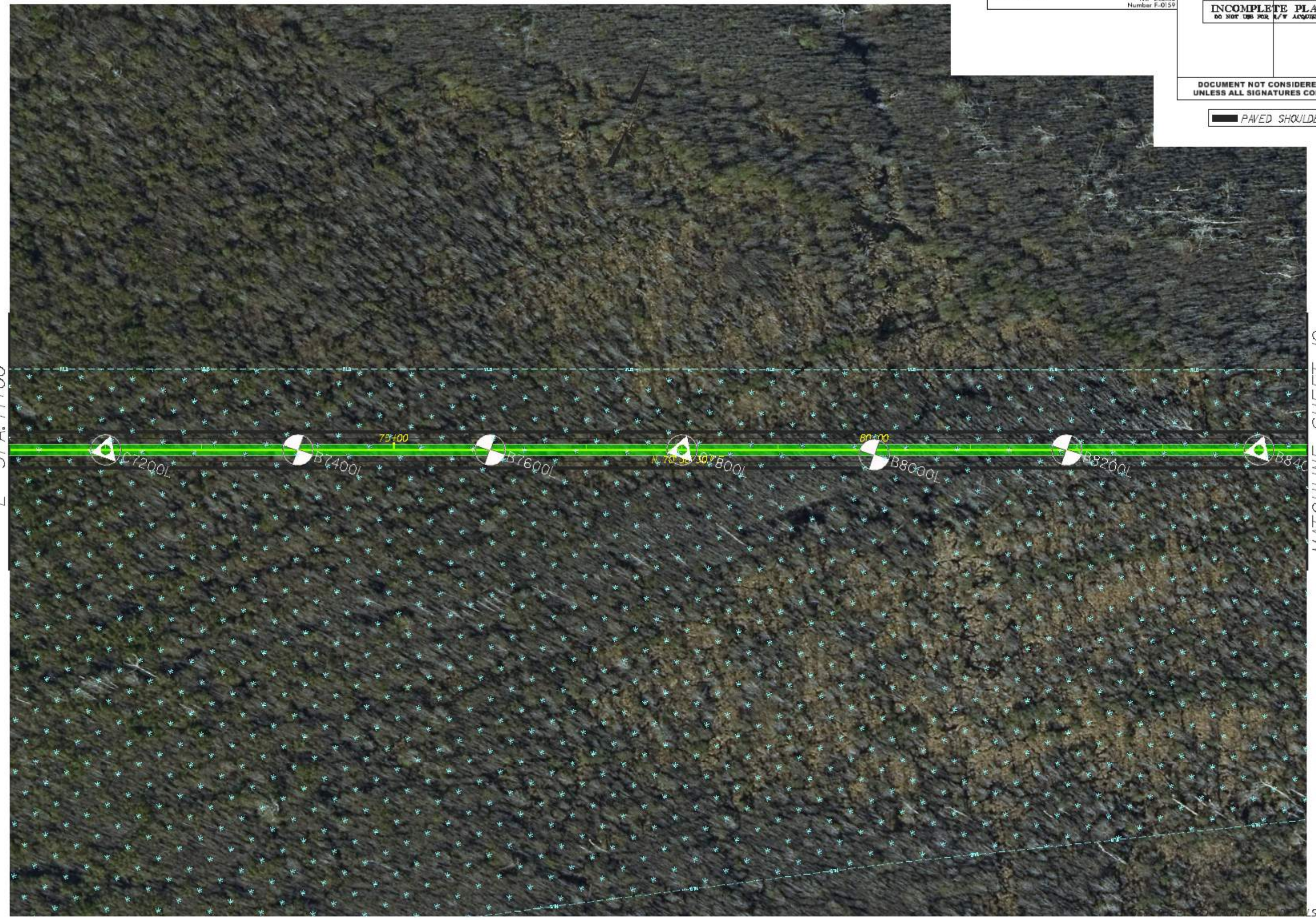
ROADWAY DESIGN ENGINEER PAVEMENT DESIGN ENGINEER

**INCOMPLETE PLANS**  
DO NOT USE FOR R/W ACQUISITION

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UNLESS ALL SIGNATURES COMPLETED

PAVED SHOULDER

MATCHLINE SHEET 8  
-L- STA. 71+00



MATCHLINE SHEET 10  
-L- STA. 84+50

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SEE SHEET 33 FOR -L- PROFILE

6/2/99

# LOCHNER

H. W. LOCHNER, INC.  
2840 PLAZA PLACE, SUITE 202  
RALEIGH, NC 27612  
(919) 571-7111

NC License  
Number F-0139

PROJECT REFERENCE NO. SHEET NO.

R-2576 10

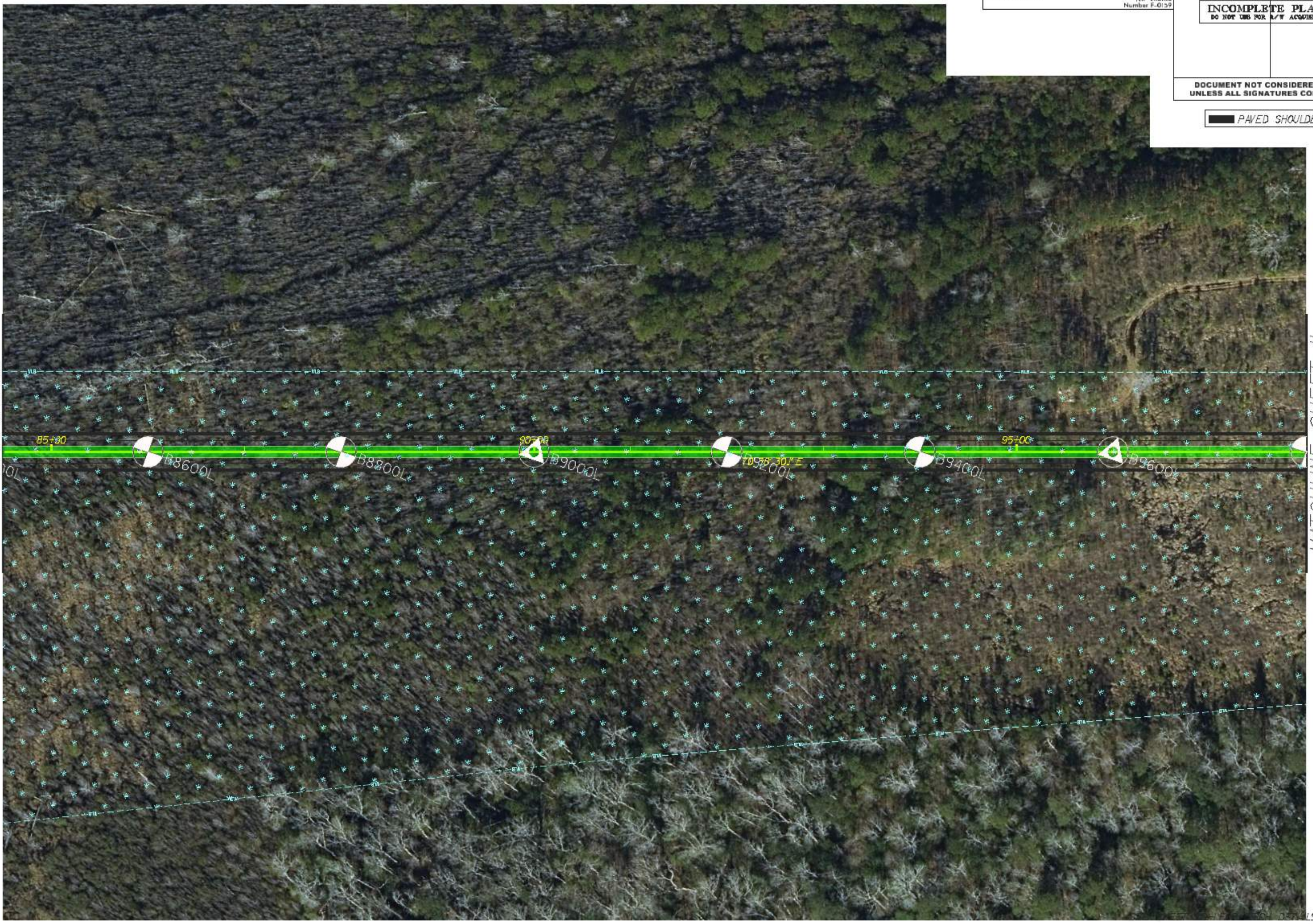
ROADWAY DESIGN ENGINEER PAVEMENT DESIGN ENGINEER

**INCOMPLETE PLANS**  
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

PAVED SHOULDER

MATCHLINE SHEET 9  
-L- STA. 84+50



MATCHLINE SHEET 11  
-L- STA. 98+00

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SEE SHEET 34 FOR -L- PROFILE

6/2/99

# LOCHNER

H. W. LOCHNER, INC.  
2840 PLAZA PLACE, SUITE 202  
RALEIGH, NC 27612  
(919) 571-7111

NC License  
Number F-0139

PROJECT REFERENCE NO. SHEET NO.

R-2576 //

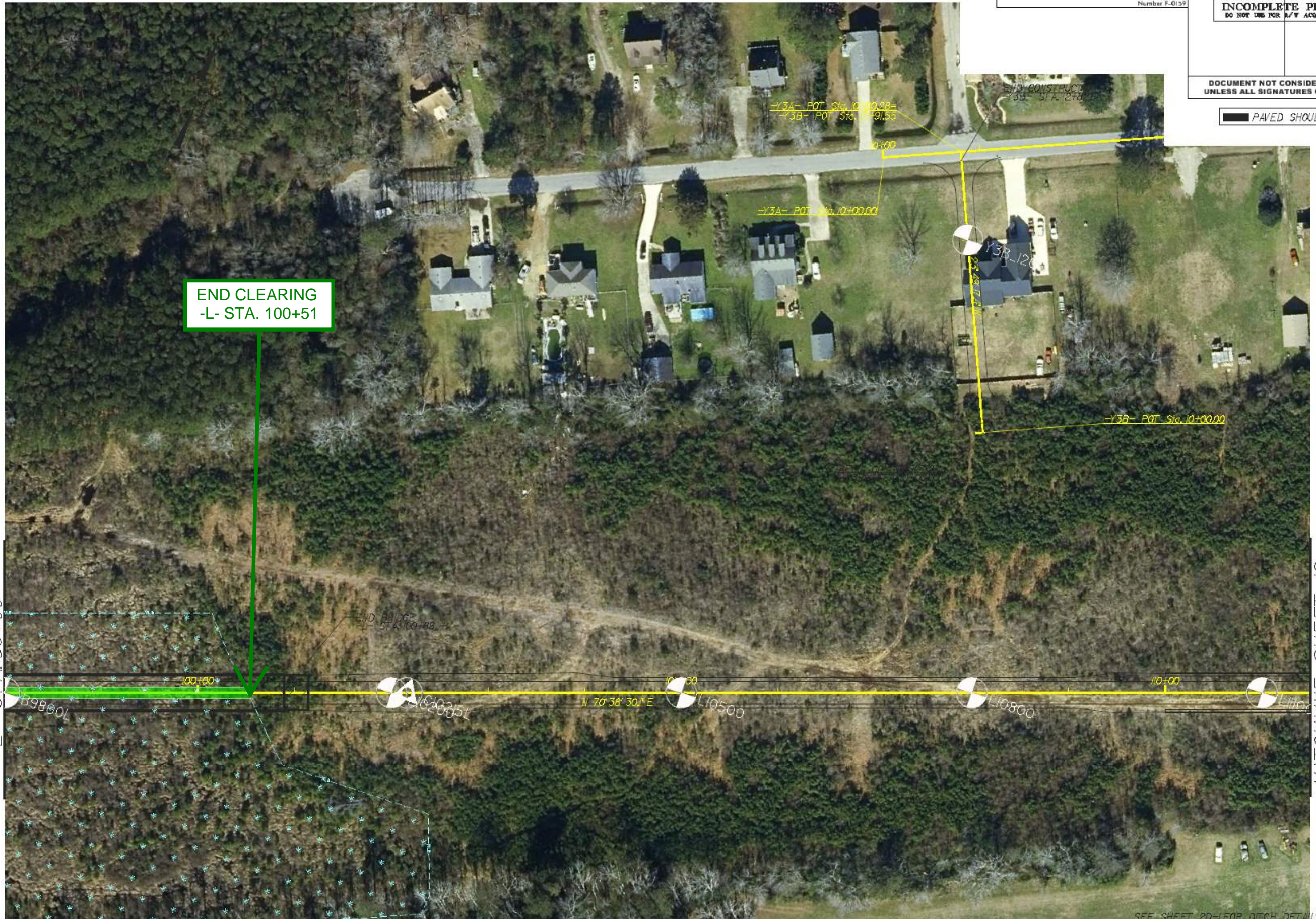
ROADWAY DESIGN  
ENGINEER

PAVEMENT DESIGN  
ENGINEER

**INCOMPLETE PLANS**  
DO NOT USE FOR A/W ACQUISITION

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UNLESS ALL SIGNATURES COMPLETED

PAVED SHOULDER



**END CLEARING**  
**-L- STA. 100+51**

MATCHLINE SHEET 10  
-L- STA. 98+00

MATCHLINE SHEET 12  
-L- STA. 110+50

SEE SHEET 20-I FOR DITCH DETAILS  
SEE SHEET 47 FOR -Y3B- PROFILE  
SEE SHEET 34 FOR -L- PROFILE

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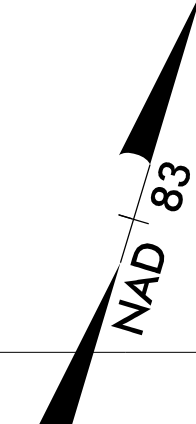
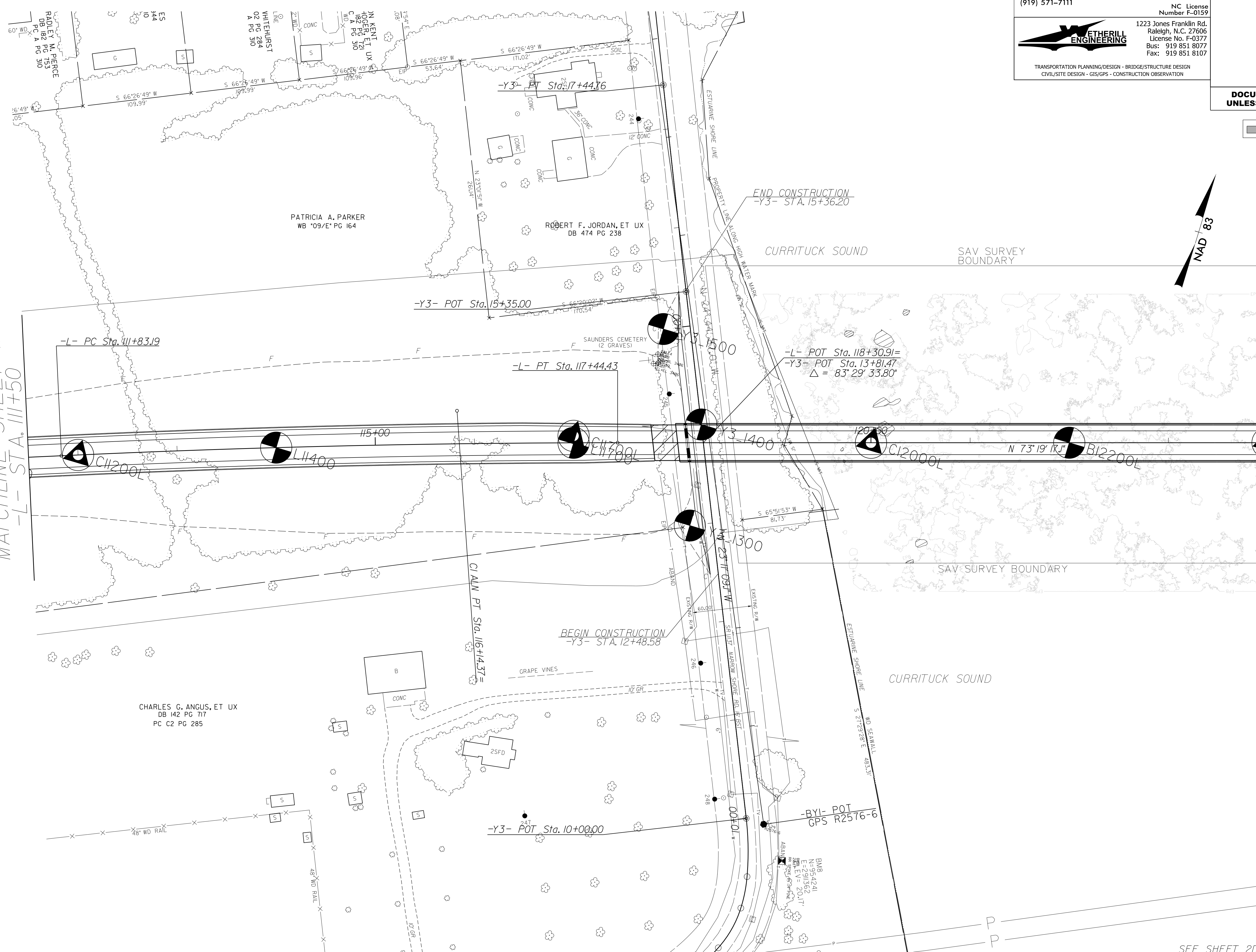


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UNLESS ALL SIGNATURES COMPLETED**

PAVED SHOULDER

MATCHLINE SHEET 11  
-L- STA. 111+50

MATCHLINE SHEET 13  
-L- STA. 124+00



6/2/09

REVISIONS

**LOCHNER**  
 H. W. LOCHNER, INC.  
 2840 PLAZA PLACE, SUITE 202  
 RALEIGH, NC 27612  
 (919) 571-7111

NC License  
 Number: F-2525

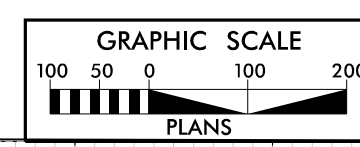
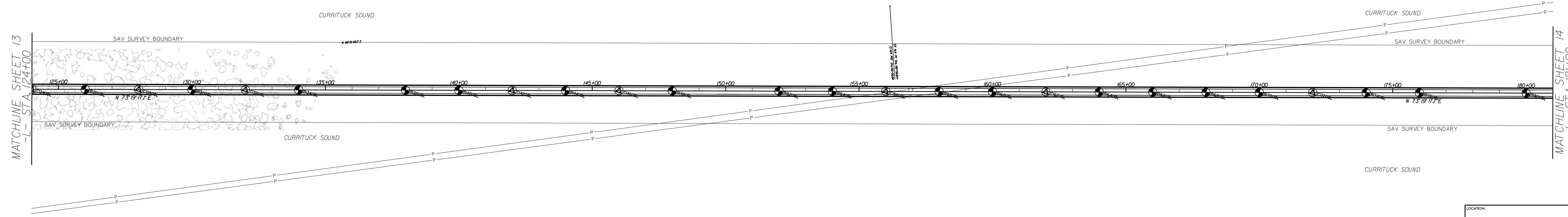
1223 Jones Road  
 Raleigh, NC 27604  
 License No. F-0377  
 Exp. 12/31/07  
 Fax: 919 851 8107

TRANSPORTATION ADMINISTRATION • INFRASTRUCTURE DESIGN  
 QUALITY DESIGN GROUP • CONSTRUCTION OBSERVATION

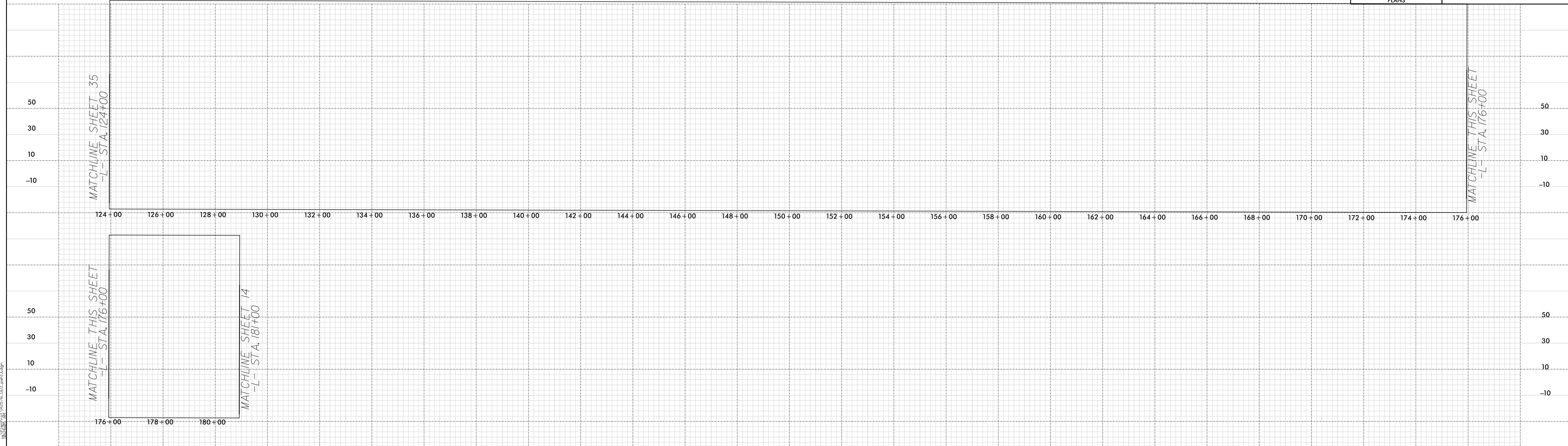
PROJECT REFERENCE NO. R-2576	SHEET NO. 13
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

PAVED SHOULDER



LOCATION:	
TRIP NO.:	COUNTY:
DESIGNED BY:	CHECKED BY:
	DATE:



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6/2/09

REVISIONS

**LOCHNER**  
 H. W. LOCHNER, INC.  
 2840 PLAZA PLACE, SUITE 202  
 RALEIGH, NC 27612  
 (919) 571-7111

NC License  
 Number: F-2576

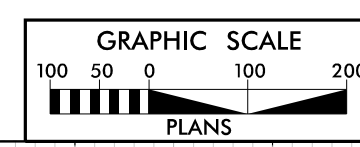
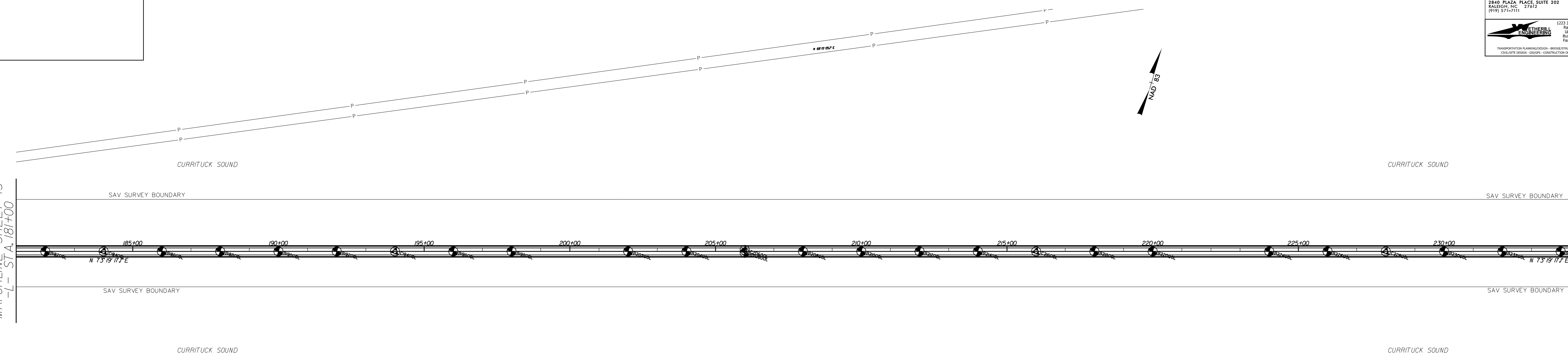
1223 Jones Road  
 Raleigh, NC 27604  
 License No. F-0377  
 Tel: 919 851 8877  
 Fax: 919 851 8807

TRANSPORTATION ADMINISTRATION • INFRASTRUCTURE DESIGN  
 QUALITY DESIGN GROUP • CONSTRUCTION OBSERVATION

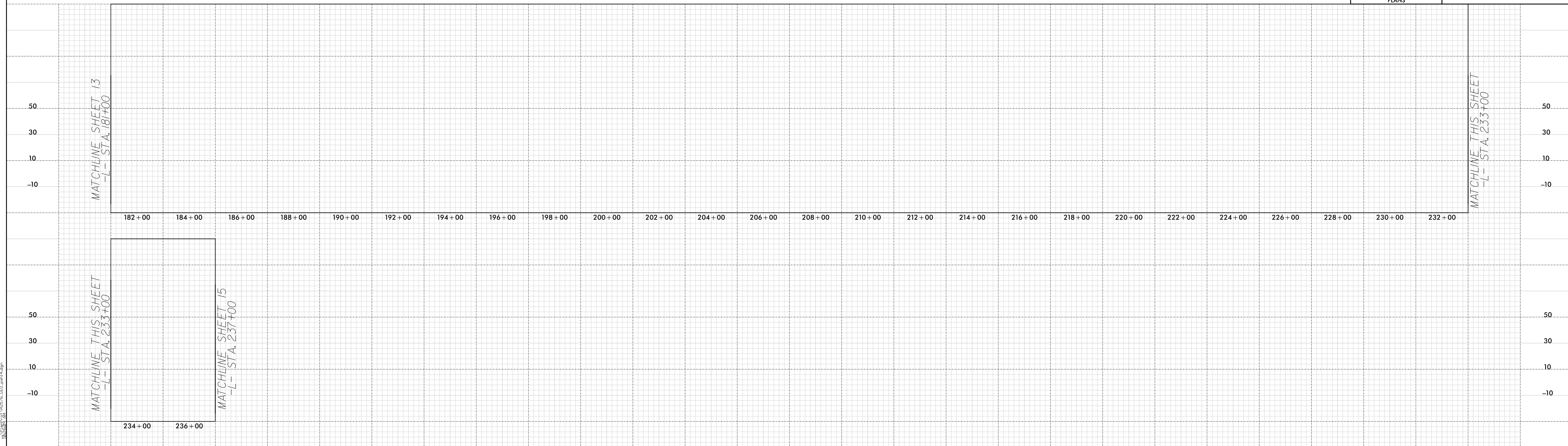
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

PAVED SHOULDER



LOCATION:	
TIP NO.:	COUNTY:
DESIGNED BY:	CHECKED BY:
CHECKED BY:	DATE:



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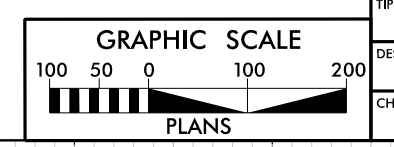
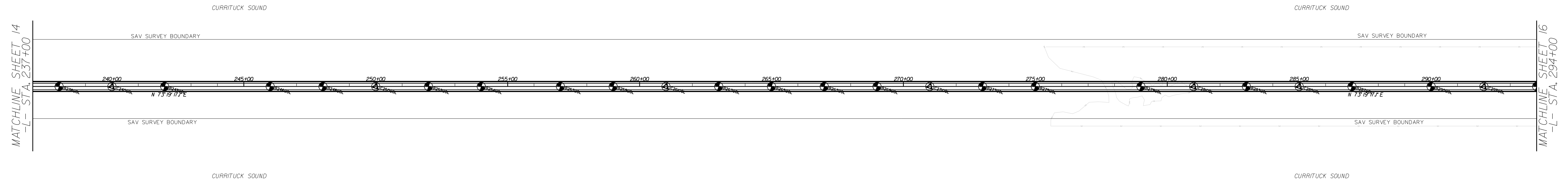
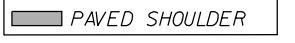


REVISIONS

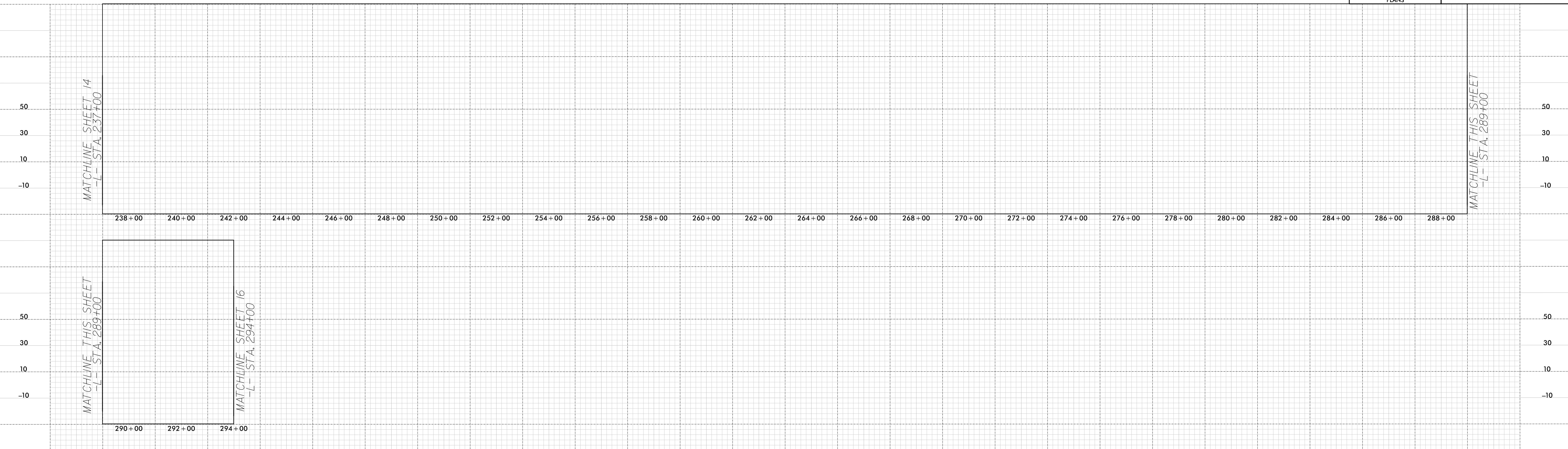
**LOCHNER**  
 H. W. LOCHNER, INC.  
 2840 PLAZA PLACE, SUITE 202  
 RALEIGH, NC 27612  
 (919) 571-7111  
 NC License Number: P-2576  
 1223 JONES FARM RD.  
 FARMINGTON, NC 27834  
 License No. P-2377  
 Tel: 919 851 8327  
 Fax: 919 851 8307

PROJECT REFERENCE NO. R-2576	SHEET NO. 15
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

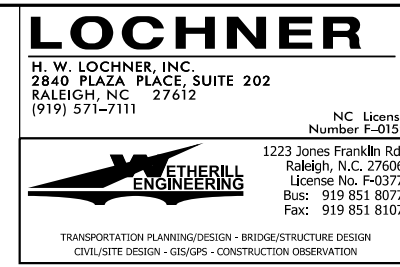
DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED



LOCATION:	
TP NO.:	COUNTY:
DESIGNED BY:	
CHECKED BY:	DATE:

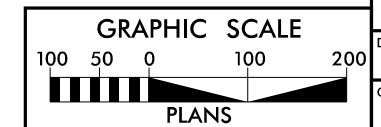
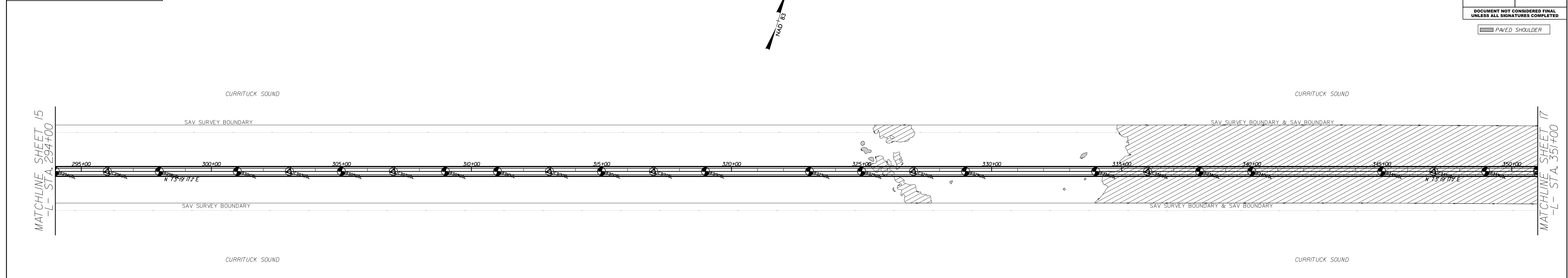


6/2/2018  
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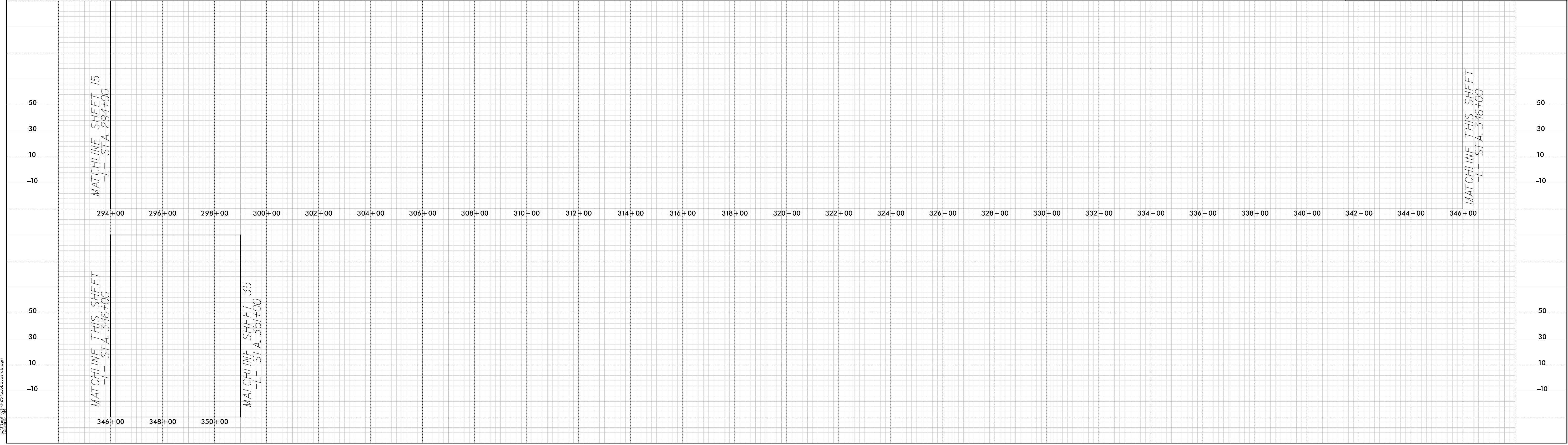


PROJECT REFERENCE NO. R-2576	SHEET NO. 16
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS



LOCATION:	
TIP NO.:	COUNTY:
DESIGNED BY:	
CHECKED BY:	DATE:



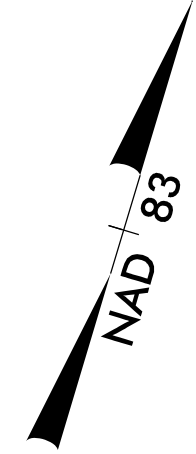
6/2/2018

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PROJECT REFERENCE NO. <i>R-2576</i>		SHEET NO. <i>17</i>
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER	

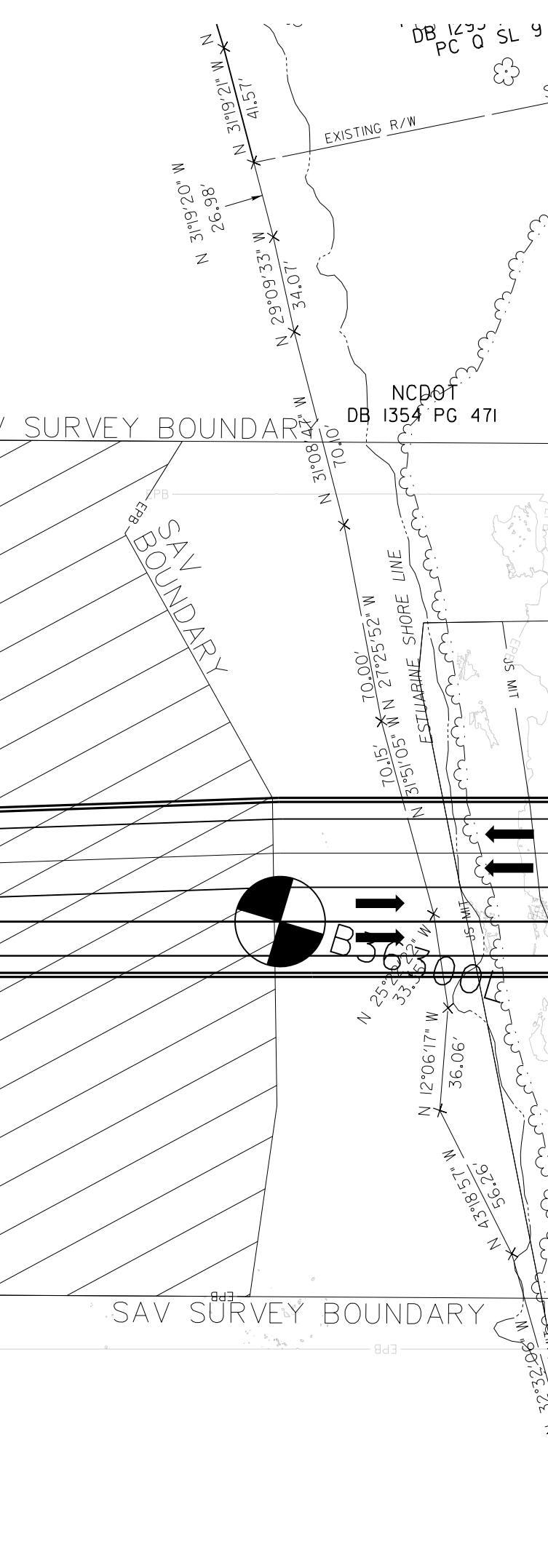
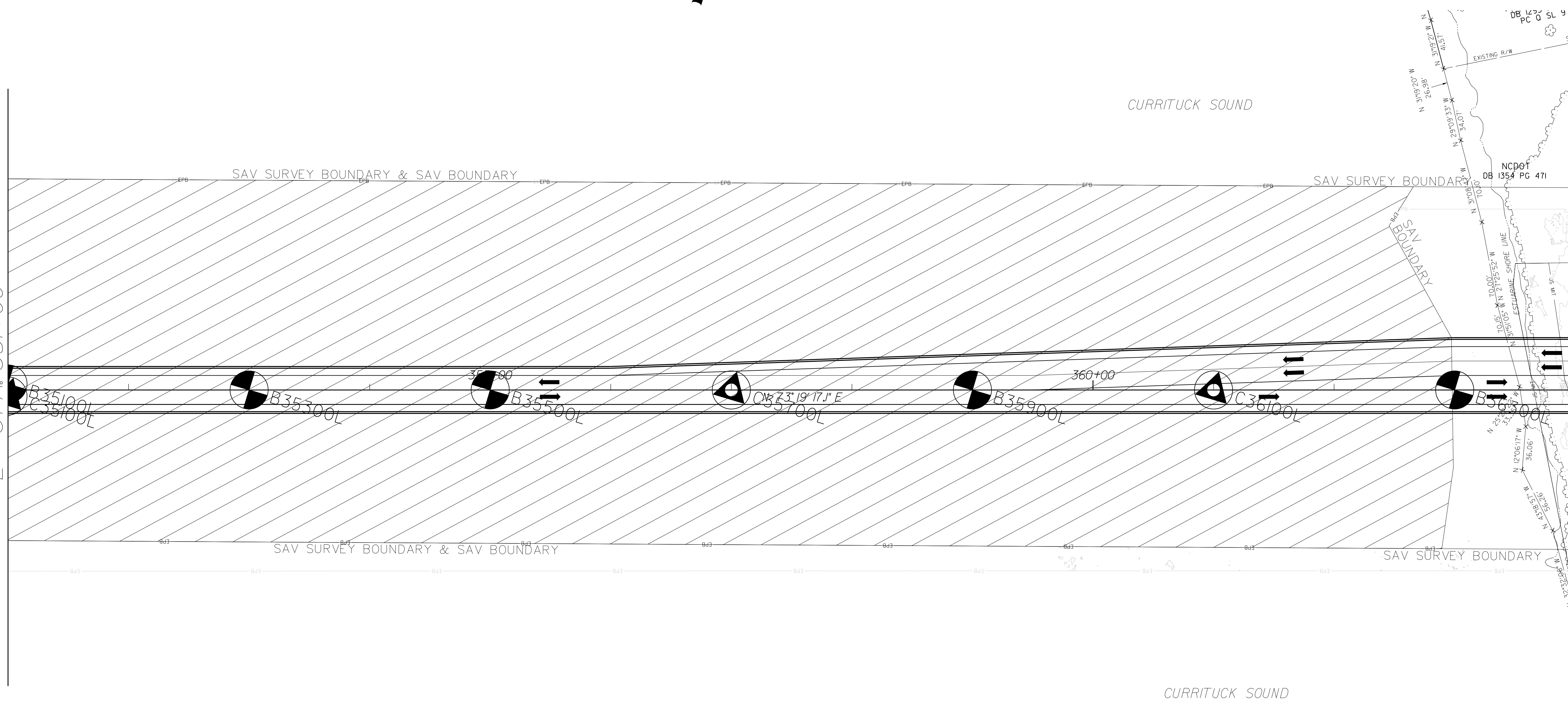
**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

PAVED SHOULDER



MATCHLINE SHEET 16  
-L- STA. 351+00

MATCHLINE SHEET 18  
-L- STA. 364+00



# LOCHNER

H. W. LOCHNER, INC.  
2840 PLAZA PLACE, SUITE 202  
RALEIGH, NC 27612  
(919) 571-7111



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

NC License  
Number F-0159

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

PROJECT REFERENCE NO. R-2576 SHEET NO. 18

ROADWAY DESIGN ENGINEER PAVEMENT DESIGN ENGINEER

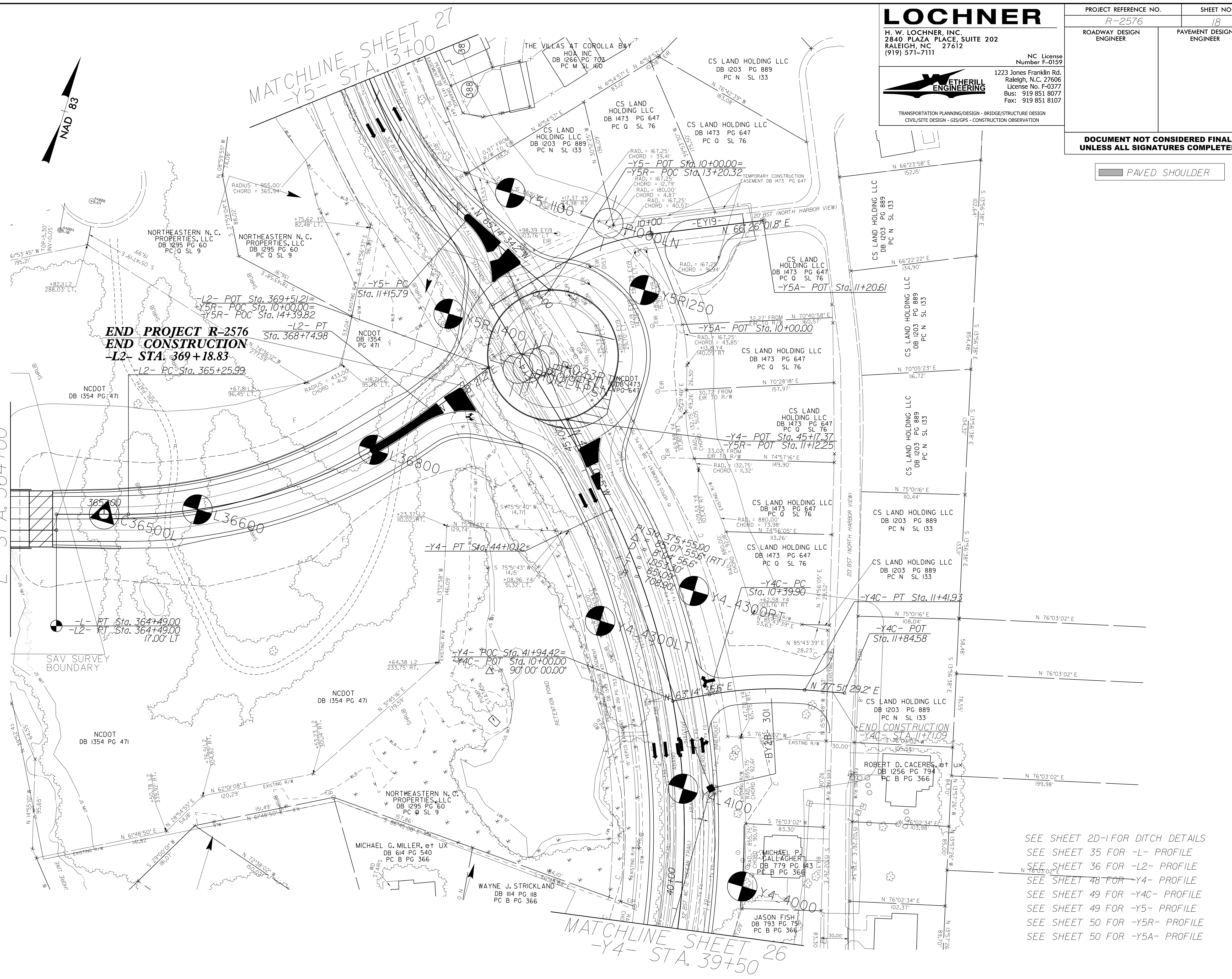
**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

PAVED SHOULDER

MATCHLINE SHEET 17  
-L- STA. 364+00

MATCHLINE SHEET 27  
-Y5- STA. 13+00

MATCHLINE SHEET 26  
-Y4- STA. 39+50



SEE SHEET 2D-I FOR DITCH DETAILS  
 SEE SHEET 35 FOR -L- PROFILE  
 SEE SHEET 36 FOR -L2- PROFILE  
 SEE SHEET 48 FOR -Y4- PROFILE  
 SEE SHEET 49 FOR -Y4C- PROFILE  
 SEE SHEET 49 FOR -Y5- PROFILE  
 SEE SHEET 50 FOR -Y5R- PROFILE  
 SEE SHEET 50 FOR -Y5A- PROFILE