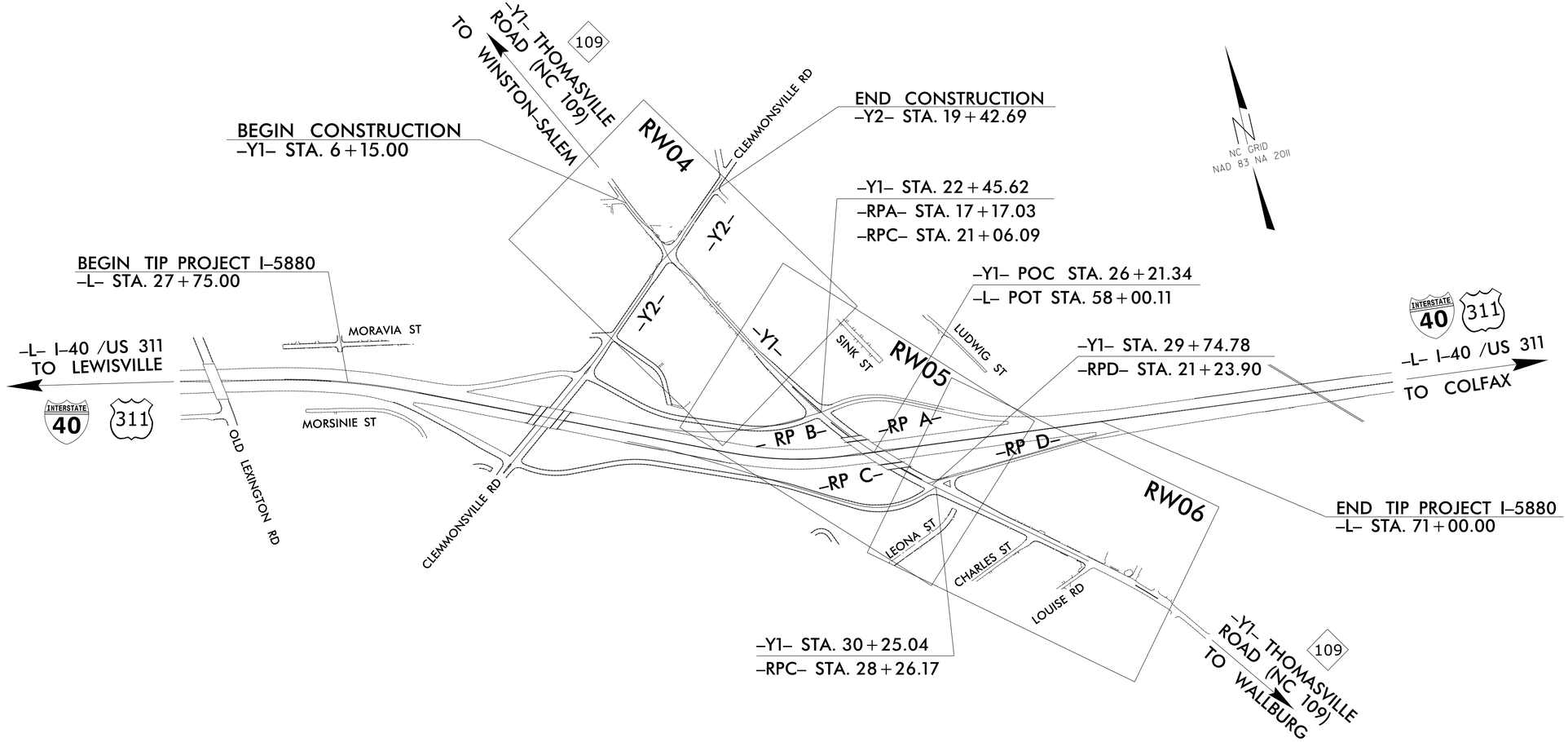
| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| N.C. | I-5880 | RW01 | 20 |

# STATE OF NORTH CAROLINA
# DIVISION OF HIGHWAYS

## SURVEY CONTROL, EXISTING CENTERLINES, RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

# *FORSYTH COUNTY*




*TIP PROJECT: I-5880*

09/08/99

13-MAY-2025 14:48
G:\Interstate\I5880\Right of Way\Survey ControlSheets C series and any right of way revisions\tobechecked\I5880_ls_RW01.dgn
mmotsinger AT LS-32867L

***GRAPHIC SCALE***

50 25 0 50 100

PLANS

## *DATUM DESCRIPTION*

**THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "I5880-2" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 842,150.426(ft) EASTING: 1,641,466.376(ft) ELEVATION: 917.520(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999932735 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "I5880-2" TO -L- STATION 10+00 IS N 70-36'31.6" W 5035.94(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88**

*Prepared In the Office of:*

*2024 STANDARD SPECIFICATIONS*

| *RIGHT OF WAY DATE:* | *LETTING DATE:* |
|---|---|
| *3-25-2025* | *8-19-2025* |

***PROFESSIONAL LAND SURVEYOR***

NORTH CAROLINA PROFESSIONAL SEAL L-3877 LAND SURVEYOR MICHAEL L. MOTSINGER

DocuSigned by:
F0BBFE75E23C40E...
05/13/2025

***SIGNATURE:*** ***Date:***

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| I-5880 | RW02C-1 |

Location and Surveys

INSERT CONSULTANT'S NAME

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3877 LAND SURVEYOR MICHAEL L. MOTSINGER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, D. Clift Bodenhamer, PLS, certify that the Project Control was [performed/verified] under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

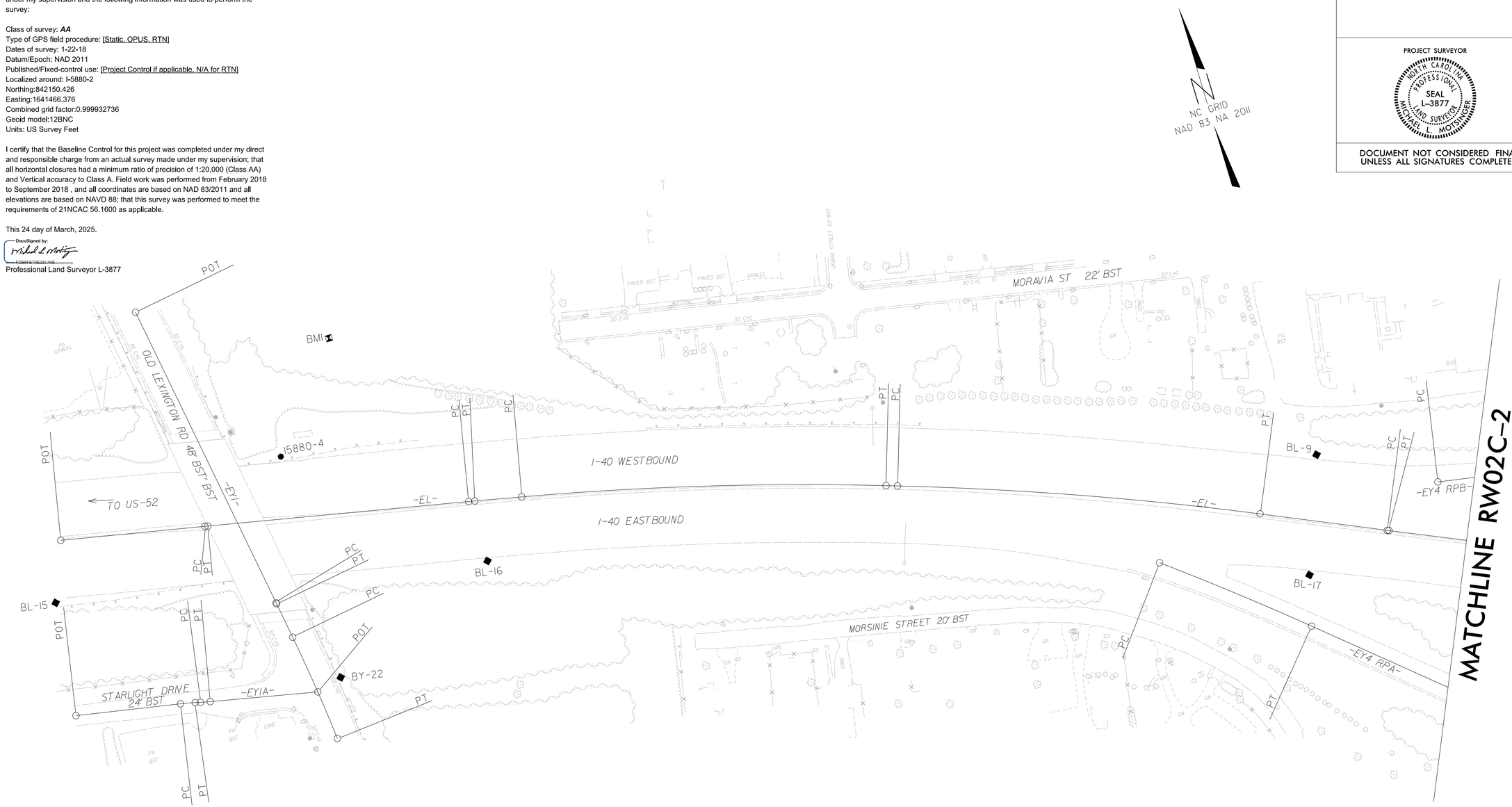
Class of survey: ***AA***
Type of GPS field procedure: [Static, OPUS, RTN]
Dates of survey: 1-22-18
Datum/Epoch: NAD 2011
Published/Fixed-control use: [Project Control if applicable, N/A for RTN]
Localized around: I-5880-2
Northing:842150.426
Easting:1641466.376
Combined grid factor:0.999932736
Geoid model:12BNC
Units: US Survey Feet

I certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from February 2018 to September 2018 , and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24 day of March, 2025.

DocuSigned by:
Michael L Motsinger
FD96FE706233C40E...

Professional Land Surveyor L-3877




SEE SHEET RW02C-9
FOR FURTHER
ALIGNMENT DETAILS

NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

6/2/99

REVISIONS

25-MAR-2025 14:16
S:\Units\Div09\Winston\Clifts Computer\Interstate\I5880\Right of Way\Survey Control Sheets C series and any right of way revisions\tobechecked\I5880_LS-rw02c-1.dgn
Jaturbeville AT LS-328808L

# SURVEY CONTROL SHEET
## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| I-5880 | RW02C-2 |

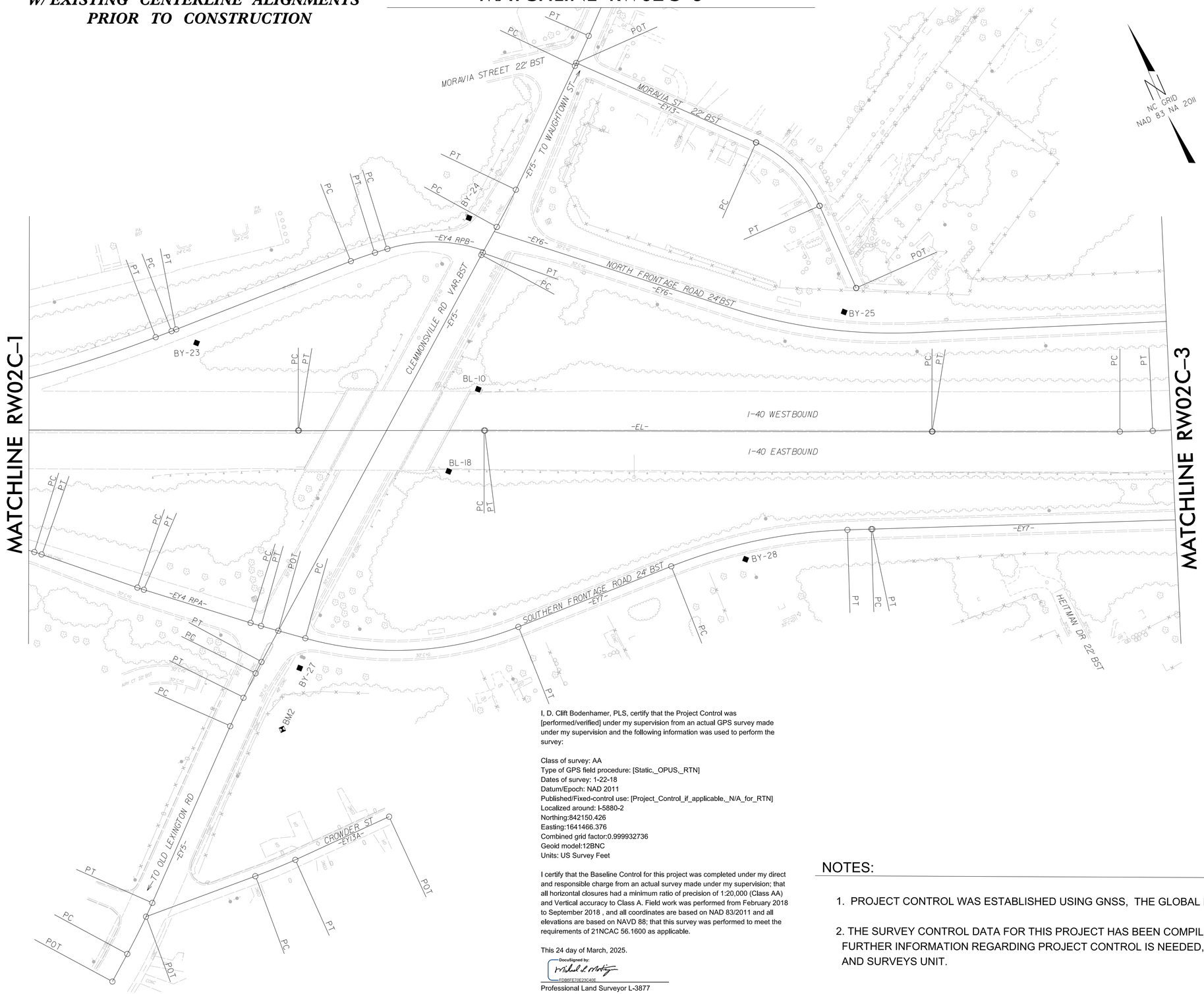
Location and Surveys

INSERT CONSULTANT'S NAME

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3877 LAND SURVEYOR MICHAEL L. MOTSINGER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED




I, D. Clift Bodenhamer, PLS, certify that the Project Control was [performed/verified] under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: AA
Type of GPS field procedure: [Static,_OPUS,_RTN]
Dates of survey: 1-22-18
Datum/Epoch: NAD 2011
Published/Fixed-control use: [Project_Control_if_applicable,_N/A_for_RTN]
Localized around: I-5880-2
Northing:842150.426
Easting:1641466.376
Combined grid factor:0.999932736
Geoid model:12BNC
Units: US Survey Feet

I certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from February 2018 to September 2018 , and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24 day of March, 2025.

DocuSigned by:
Michael L. Motsinger
FD86EF670E23C40E

Professional Land Surveyor L-3877

SEE SHEET RW02C-9 & RW02C-10 FOR FURTHER ALIGNMENT DETAILS

## NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

6/2/99

REVISIONS

25-MAR-2025 14:19
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jatur-beville AT LS-32808L

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| I-5880 | RW02C-3 |

Location and Surveys

INSERT CONSULTANT'S NAME

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3877 LAND SURVEYOR MICHAEL L. MOTSINGER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, D. Clift Bodenhamer, PLS, certify that the Project Control was [performed/verified] under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: AA
Type of GPS field procedure: [Static,_OPUS,_RTN]
Dates of survey: 1-22-18
Datum/Epoch: NAD 2011
Published/Fixed-control use: [Project_Control_if_applicable,_N/A_for_RTN]
Localized around: I-5880-2
Northing:842150.426
Easting:1641466.376
Combined grid factor:0.999932736
Geoid model:12BNC
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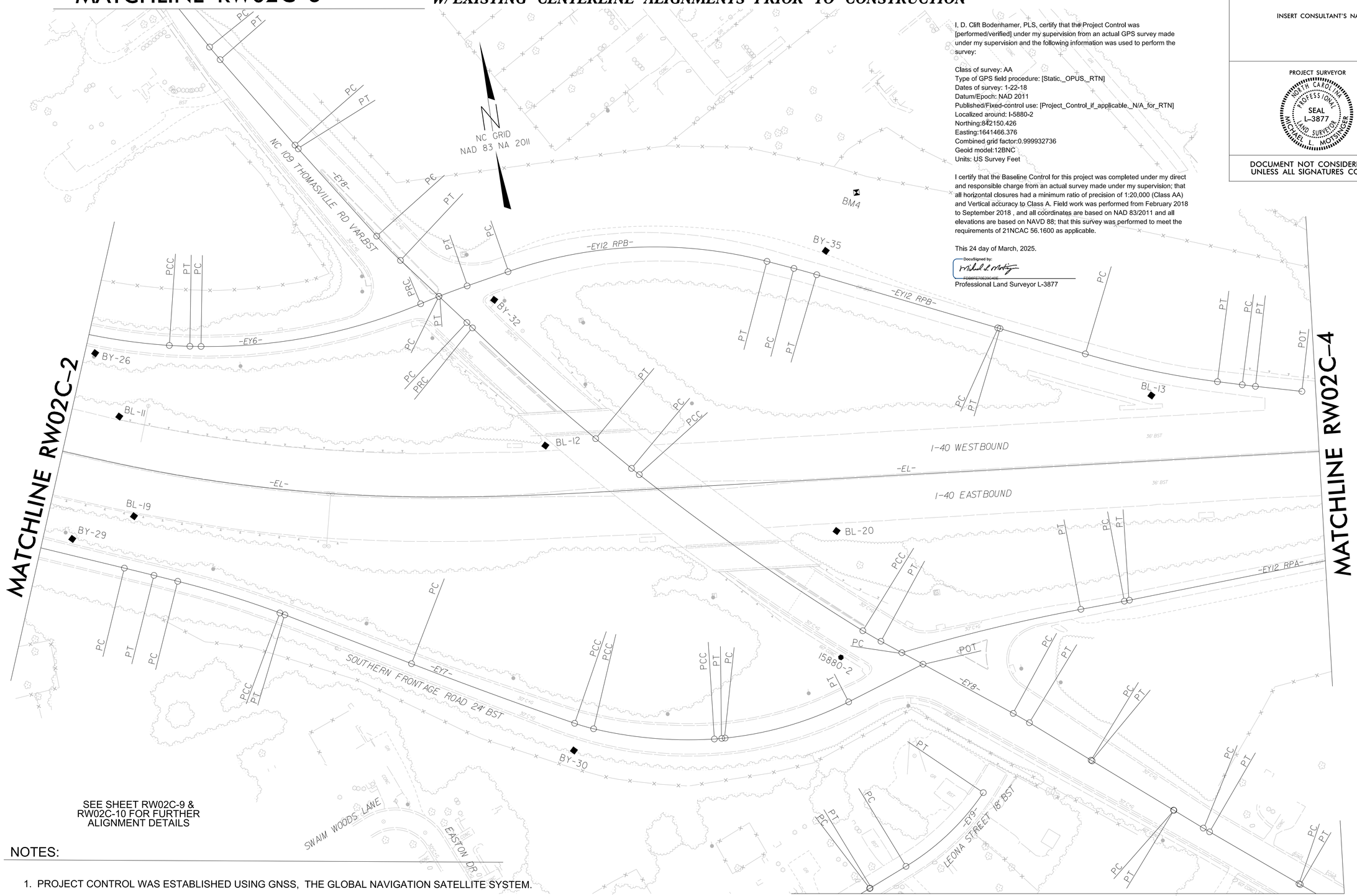
This 24 day of March, 2025.

DocuSigned by:
Michael L. Motsinger
F06BFE706239406

Professional Land Surveyor L-3877




SEE SHEET RW02C-9 & RW02C-10 FOR FURTHER ALIGNMENT DETAILS

NOTES:

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6/2/99

REVISIONS

25-MAR-2025 14:22
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jaturbeville AT LS-32880L

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| I-5880 | RW02C-4 |

Location and Surveys

INSERT CONSULTANT'S NAME

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3877 LAND SURVEYOR MICHAEL L. MOTSINGER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, D. Clift Bodenhamer, PLS, certify that the Project Control was [performed/verified] under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: AA
Type of GPS field procedure: [Static,_OPUS,_RTN]
Dates of survey: 1-22-18
Datum/Epoch: NAD 2011
Published/Fixed-control use: [Project_Control_if_applicable,_N/A_for_RTN]
Localized around: I-5880-2
Northing:842150.426
Easting:1641466.376
Combined grid factor:0.999932736
Geoid model:12BNC
Units: US Survey Feet

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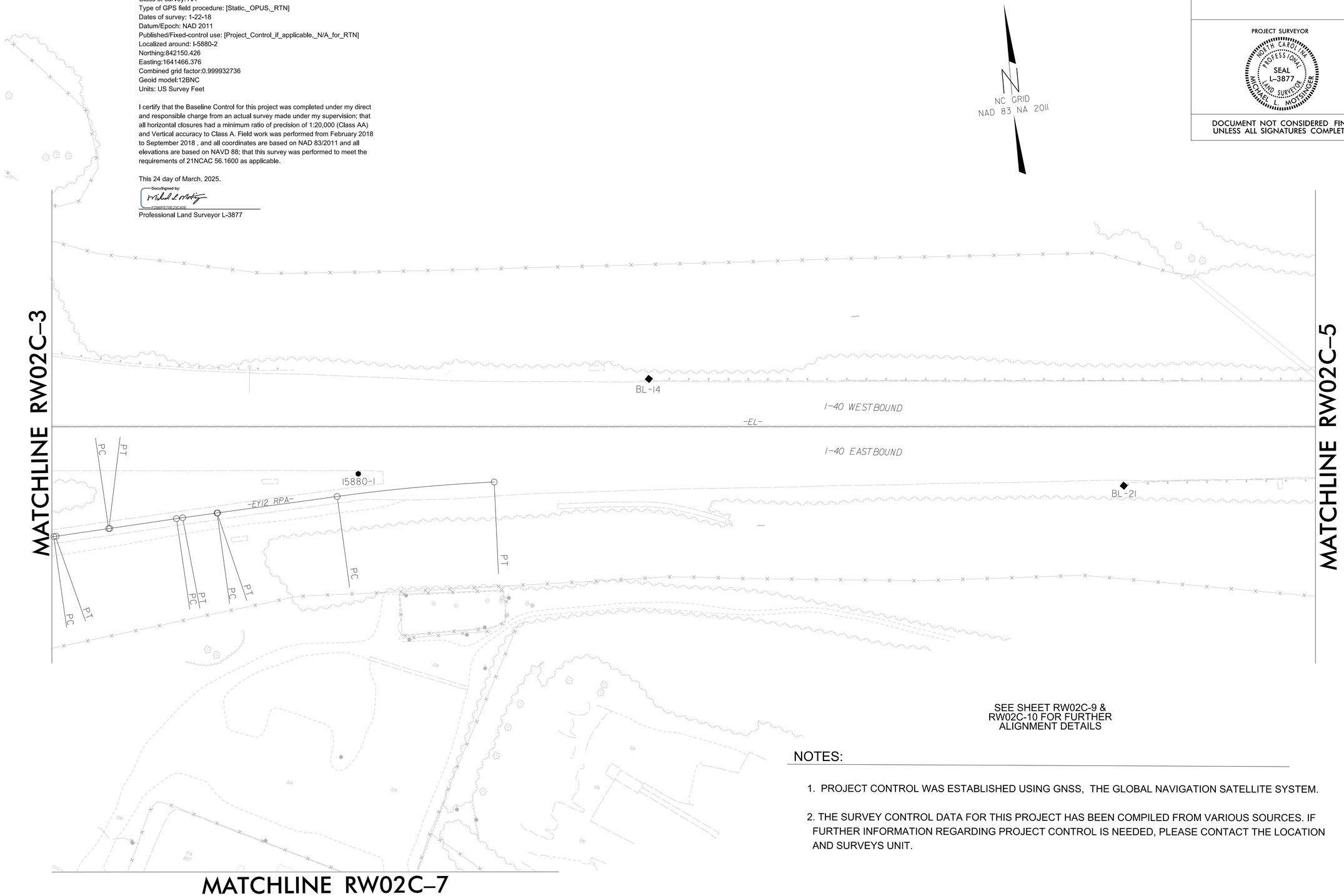
FDB6EE70E23C40E...

Professional Land Surveyor L-3877




SEE SHEET RW02C-9 & RW02C-10 FOR FURTHER ALIGNMENT DETAILS

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6/2/99

REVISIONS

25-MAR-2025 14:24
S:\Units\Div09\Winston\Clifts Computer\Interstate\15880\Right of Way\Survey Control Sheets C series and any right of way revisions\tobechecked\I5880_LS-rw02c-4.dgn
Jaturbeville AT LS-328808L

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| I-5880 | RW02C-5 |

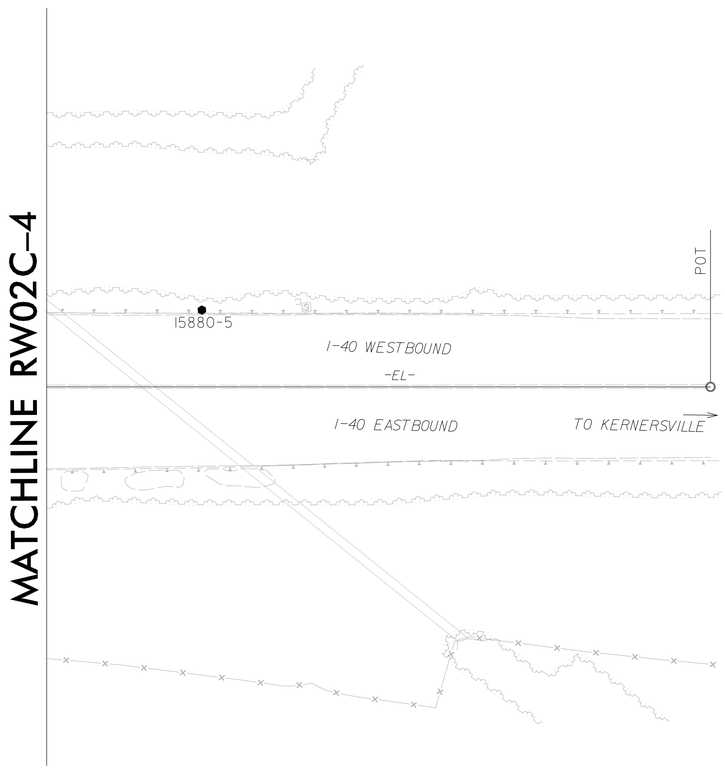
Location and Surveys

INSERT CONSULTANT'S NAME

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3877 LAND SURVEYOR MICHAEL L. MOTSINGER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



15880-6

BM6

SEE SHEET RW02C-9 FOR FURTHER ALIGNMENT DETAILS

I, D. Clift Bodenhamer, PLS, certify that the Project Control was [performed/verified] under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: AA
Type of GPS field procedure: [Static,_OPUS,_RTN]
Dates of survey: 1-22-18
Datum/Epoch: NAD 2011
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This 24 day of March, 2025.

DocuSigned by:
Michael L. Motsinger
FDB6FE70E23C40E...

Professional Land Surveyor L-3877

## NOTES:

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6/2/99

REVISIONS

25-MAR-2025 14:42
S:\Units\Div09\Winston\Clifts Computer\Interstate\I5880\Right of Way\Survey Control Sheets C series and any right of way revisions\tobechecked\I5880_LS_rw02c-5.dgn
Jaturbeville AT LS-328008L

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| I-5880 | RW02C-6 |

Location and Surveys

INSERT CONSULTANT'S NAME

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3877 LAND SURVEYOR MICHAEL L. MOTSINGER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEE SHEET RW02C-9 & RW02C-10 FOR FURTHER ALIGNMENT DETAILS

I, D. Clift Bodenhamer, PLS, certify that the Project Control was [performed/verified] under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

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Type of GPS field procedure: [Static,_OPUS,_RTN]
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This 24 day of March, 2025.

DocuSigned by:
FDB8FE70E23C40E

Professional Land Surveyor L-3877

NOTES:

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6/2/99

REVISIONS

25-MAR-2025 14:45
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Jsturbeville AT LS-32880L

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| I-5880 | RW02C-7 |

Location and Surveys

INSERT CONSULTANT'S NAME

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3877 LAND SURVEYOR MICHAEL L. MOTSINGER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, D. Clift Bodenhamer, PLS, certify that the Project Control was [performed/verified] under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: AA
Type of GPS field procedure: [Static,_OPUS,_RTN]
Dates of survey: 1-22-18
Datum/Epoch: NAD 2011
Published/Fixed-control use: [Project_Control_if_applicable,_N/A_for_RTN]
Localized around: I-5880-2
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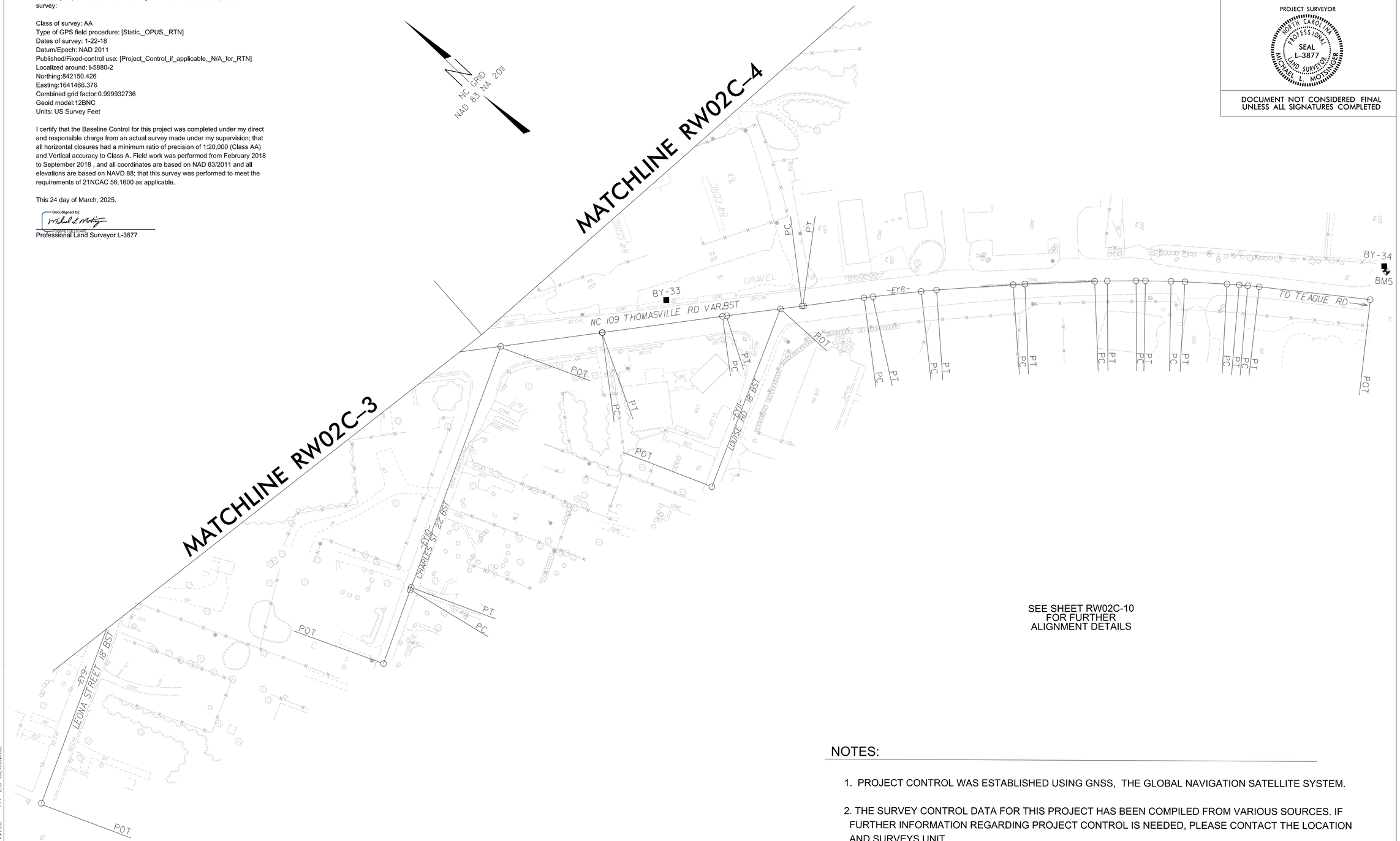
This 24 day of March, 2025.

DocuSigned by:
Michael L. Motsinger
F1D8F8E7D6F5C4A9...

Professional Land Surveyor L-3877




SEE SHEET RW02C-10
FOR FURTHER
ALIGNMENT DETAILS

NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

6/2/99

REVISIONS

25-MAR-2025 14:55
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Jaturbeville AT LS-328808L

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| I-5880 | RW02C-8 |

Location and Surveys

INSERT CONSULTANT'S NAME

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3877 LAND SURVEYOR MICHAEL L. MOTSINGER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

BL

| POINT | DESC. | NORTH | EAST | ELEVATION |
|---|---|---|---|---|
| 3 | I5880-3 | 843889.1320 | 1636736.4290 | 854.83 |
| 4 | I5880-4 | 843682.4880 | 1637791.6280 | 885.80 |
| 9 | BL-9 | 843345.2030 | 1638922.4570 | 922.46 |
| 10 | BL-10 | 843000.7720 | 1639657.5710 | 936.97 |
| 11 | BL-11 | 842589.4340 | 1640601.6500 | 910.97 |
| 12 | BL-12 | 842472.9070 | 1641133.4280 | 896.96 |
| 13 | BL-13 | 842422.4710 | 1641907.0200 | 885.98 |
| 14 | BL-14 | 842312.0410 | 1642867.1390 | 881.29 |
| 5 | I5880-5 | 842224.6940 | 1643831.1620 | 875.73 |
| 6 | I5880-6 | 842063.3300 | 1645057.2520 | 874.96 |

BY1

| POINT | DESC. | NORTH | EAST | ELEVATION |
|---|---|---|---|---|
| A4 | I5880-4 | 843682.4880 | 1637791.6280 | 885.80 |
| 22 | BY-22 | 843421.9710 | 1637784.6540 | 909.43 |

BY2

| POINT | DESC. | NORTH | EAST | ELEVATION |
|---|---|---|---|---|
| A9 | BL-9 | 843345.2030 | 1638922.4570 | 922.46 |
| 23 | BY-23 | 843219.5120 | 1639322.4560 | 924.41 |
| 24 | BY-24 | 843225.8250 | 1639742.7190 | 918.31 |
| 25 | BY-25 | 842892.8700 | 1640170.8210 | 915.82 |
| 26 | BY-26 | 842673.8560 | 1640583.1290 | 914.79 |
| 32 | BY-32 | 842666.1790 | 1641096.2920 | 920.34 |
| 35 | BY-35 | 842665.7770 | 1641523.4780 | 901.11 |
| A13 | BL-13 | 842422.4710 | 1641907.0200 | 885.98 |

BY3

| POINT | DESC. | NORTH | EAST | ELEVATION |
|---|---|---|---|---|
| B9 | BL-9 | 843345.2030 | 1638922.4570 | 922.46 |
| 17 | BL-17 | 843216.2360 | 1638875.3510 | 922.14 |
| 27 | BY-27 | 842743.8720 | 1639270.7880 | 916.49 |
| 28 | BY-28 | 842631.2150 | 1639904.4380 | 901.98 |
| 29 | BY-29 | 842443.9290 | 1640519.4700 | 898.12 |
| 30 | BY-30 | 842083.1610 | 1641112.2500 | 907.73 |
| 2 | I5880-2 | 842150.4670 | 1641466.3900 | 917.52 |
| 1 | I5880-1 | 842225.7080 | 1642489.4380 | 883.41 |
| A14 | BL-14 | 842312.0410 | 1642867.1390 | 881.29 |

BY4

| POINT | DESC. | NORTH | EAST | ELEVATION |
|---|---|---|---|---|
| 7 | I5880-7 | 844469.2160 | 1640077.0540 | 922.33 |
| 8 | I5880-8 | 843759.0470 | 1640340.6450 | 911.26 |
| 31 | BY-31 | 843137.5580 | 1640698.5410 | 920.89 |
| A32 | BY-32 | 842666.1790 | 1641096.2920 | 920.34 |
| A2 | I5880-2 | 842150.4670 | 1641466.3900 | 917.52 |
| 33 | BY-33 | 841615.6330 | 1642253.4340 | 925.46 |
| 34 | BY-34 | 840971.7600 | 1642923.3560 | 915.79 |

**********
BM1 ELEVATION = 889.44'
N 843796 E 1637883
RAILROAD SPIKE SET IN BASE OF 12 INCH
WILLOW OAK
**********
**********
BM2 ELEVATION = 917.53'
N 842675 E 1639214
RAILROAD SPIKE SET IN BASE OF 17 INCH
OAK
**********
**********
BM3 ELEVATION = 914.65'
N 844013 E 1640286
RAILROAD SPIKE SET IN BASE OF 32 INCH
OAK
**********
**********
BM4 ELEVATION = 892.58'
N 842734 E 1641573
RAILROAD SPIKE SET IN BASE OF 24 INCH
OAK
**********
**********
BM5 ELEVATION = 917.21'
N 840965 E 1642920
FH BOLT STAMPED BM5
**********
**********
BM6 ELEVATION = 876.10'
N 842048 E 1644395
NAIL IN CONCRETE BASE OF OVERHEAD SIGN
**********

I, D. Clift Bodenhamer, PLS, certify that the Project Control was [performed/verified] under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: AA
Type of GPS field procedure: [Static._OPUS._RTN]
Dates of survey: 1-22-18
Datum/Epoch: NAD 2011
Published/Fixed-control use: [Project_Control_if_applicable._N/A_for_RTN]
Localized around: I-5880-2
Northing:842150.426
Easting:1641466.376
Combined grid factor:0.999932736
Geoid model:12BNC
Units: US Survey Feet

I certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from February 2018 to September 2018 , and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24 day of March, 2025.

DocuSigned by:
Michael L. Motsinger
F6DFE7E2C24E
SIGNATURE

Professional Land Surveyor L-3877

NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

6/2/99

25-MAR-2025 15:08
S:\Units\Div09\Winston\Clifts Computer\Interstate\I5880\Right of Way\Survey Control Sheets C series and any right of way revisions\tobechecked\I5880_LS_rw02c-8.dgn
Jatur-Beville AT LS-32808L

6/2/99

REVISIONS

25-MAR-2025 15:10
S:\Units\Div09\Winston\Clifts Computer\Interstate\I5880\Right of Way\Survey Control Sheets C series and any right of way revisions\tobechecked\I5880_LS_rw02c-9.dgn
jaturbeville AT LS-328808L

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| I-5880 | RW02C-9 |

Location and Surveys

INSERT CONSULTANT'S NAME

# SURVEY CONTROL SHEET

## *W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION*

EL

| POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|---|---|---|---|---|---|---|---|---|---|
| POT | 843663.229 | 1637524.016 | | | | | | | |
| LINE | | | S 78°50'55.2" E | 165.02 | | | | | |
| PC | 843631.314 | 1637685.919 | | | | | | | |
| CURVE | | | S 78°45'16.2" E | 3.29 | 00°11'18.0"(RT) | 05°43'46.5" | 3.29 | 1.64 | 1000.00 |
| PT | 843630.673 | 1637689.143 | | | | | | | |
| LINE | | | S 78°39'37.2" E | 298.56 | | | | | |
| PC | 843571.969 | 1637981.872 | | | | | | | |
| CURVE | | | S 78°27'30.5" E | 7.05 | 00°24'13.5"(RT) | 05°43'46.5" | 7.05 | 3.52 | 1000.00 |
| PT | 843570.559 | 1637988.777 | | | | | | | |
| LINE | | | S 78°15'23.7" E | 53.67 | | | | | |
| PC | 843559.636 | 1638041.325 | | | | | | | |
| CURVE | | | S 75°03'07.9" E | 415.29 | 06°24'31.6"(RT) | 01°32'32.7" | 415.50 | 207.97 | 3714.69 |
| PT | 843452.517 | 1638442.559 | | | | | | | |
| LINE | | | S 71°50'52.1" E | 13.06 | | | | | |
| PC | 843448.448 | 1638454.970 | | | | | | | |
| CURVE | | | S 68°52'45.1" E | 414.31 | 05°56'14.1"(RT) | 01°25'56.6" | 414.50 | 207.43 | 4000.00 |
| PT | 843299.157 | 1638841.450 | | | | | | | |
| LINE | | | S 65°54'38.1" E | 146.14 | | | | | |
| PC | 843239.510 | 1638974.858 | | | | | | | |
| CURVE | | | S 66°00'08.6" E | 1.92 | 00°11'01.2"(LT) | 09°32'57.5" | 1.92 | 0.96 | 600.00 |
| PT | 843238.728 | 1638976.615 | | | | | | | |
| LINE | | | S 66°05'39.2" E | 466.62 | | | | | |
| PC | 843049.638 | 1639403.205 | | | | | | | |
| CURVE | | | S 66°09'28.1" E | 1.11 | 00°07'37.8"(LT) | 11°27'33.0" | 1.11 | 0.55 | 500.00 |
| PT | 843049.189 | 1639404.220 | | | | | | | |
| LINE | | | S 66°13'17.0" E | 259.66 | | | | | |
| PC | 842944.494 | 1639641.836 | | | | | | | |
| CURVE | | | S 66°08'38.8" E | 1.35 | 00°09'16.3"(RT) | 11°27'33.0" | 1.35 | 0.67 | 500.00 |
| PT | 842943.948 | 1639643.069 | | | | | | | |
| LINE | | | S 66°04'00.6" E | 626.47 | | | | | |
| PC | 842689.807 | 1640215.677 | | | | | | | |
| CURVE | | | S 66°07'19.5" E | 0.96 | 00°06'37.8"(LT) | 11°27'33.0" | 0.96 | 0.48 | 500.00 |
| PT | 842689.416 | 1640216.559 | | | | | | | |
| LINE | | | S 66°10'38.4" E | 262.72 | | | | | |
| PC | 842583.302 | 1640456.895 | | | | | | | |
| CURVE | | | S 67°29'44.3" E | 46.01 | 02°38'11.7"(LT) | 05°43'46.5" | 46.02 | 23.01 | 1000.00 |
| PT | 842565.690 | 1640499.405 | | | | | | | |
| LINE | | | S 68°48'50.2" E | 75.59 | | | | | |
| PC | 842538.372 | 1640569.887 | | | | | | | |
| CURVE | | | S 75°21'32.1" E | 441.03 | 13°05'23.8"(LT) | 02°57'41.7" | 441.99 | 221.96 | 1934.63 |
| PT | 842426.895 | 1640996.596 | | | | | | | |
| LINE | | | S 81°54'14.0" E | 36.02 | | | | | |
| PC | 842421.823 | 1641032.253 | | | | | | | |
| CURVE | | | S 82°24'14.6" E | 8.73 | 01°00'01.2"(LT) | 11°27'33.0" | 8.73 | 4.36 | 500.00 |
| PCC | 842420.669 | 1641040.906 | | | | | | | |
| CURVE | | | S 83°50'08.2" E | 154.26 | 01°51'46.1"(LT) | 01°12'27.0" | 154.27 | 77.14 | 4745.01 |
| PT | 842404.104 | 1641194.277 | | | | | | | |
| LINE | | | S 84°46'01.2" E | 558.10 | | | | | |
| PC | 842353.202 | 1641750.052 | | | | | | | |
| CURVE | | | S 84°46'51.1" E | 0.48 | 00°01'39.7"(LT) | 05°43'46.5" | 0.48 | 0.24 | 1000.00 |
| PT | 842353.158 | 1641750.534 | | | | | | | |
| LINE | | | S 84°47'40.9" E | 2486.56 | | | | | |
| POT | 842127.566 | 1644226.843 | | | | | | | |

EY1

| POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|---|---|---|---|---|---|---|---|---|---|
| POT | 843887.618 | 1637680.373 | | | | | | | |
| LINE | | | S 09°06'34.7" E | 367.72 | | | | | |
| PC | 843524.536 | 1637738.592 | | | | | | | |
| CURVE | | | S 09°02'19.2" E | 1.24 | 00°08'31.2"(RT) | 11°27'33.0" | 1.24 | 0.62 | 500.00 |
| PT | 843523.313 | 1637738.787 | | | | | | | |
| LINE | | | S 08°58'03.6" E | 42.32 | | | | | |
| PC | 843481.506 | 1637745.384 | | | | | | | |
| CURVE | | | S 07°06'24.7" E | 126.03 | 03°43'17.7"(RT) | 02°57'08.4" | 126.06 | 63.05 | 1940.70 |
| PT | 843356.441 | 1637760.977 | | | | | | | |

EY1A

| POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|---|---|---|---|---|---|---|---|---|---|
| POT | 843466.929 | 1637483.183 | | | | | | | |
| LINE | | | S 79°47'01.0" E | 119.87 | | | | | |
| PC | 843445.668 | 1637601.148 | | | | | | | |
| CURVE | | | S 77°51'17.7" E | 16.83 | 03°51'26.8"(RT) | 22°55'05.9" | 16.83 | 8.42 | 250.00 |
| PT | 843442.128 | 1637617.599 | | | | | | | |
| LINE | | | S 75°55'34.3" E | 5.96 | | | | | |
| PC | 843440.678 | 1637623.384 | | | | | | | |
| CURVE | | | S 77°12'33.6" E | 11.20 | 02°33'58.6"(LT) | 22°55'05.9" | 11.20 | 5.60 | 250.00 |
| PT | 843438.199 | 1637634.303 | | | | | | | |
| LINE | | | S 78°29'32.9" E | 123.04 | | | | | |
| POT | 843413.653 | 1637754.867 | | | | | | | |

EY4RPA

| POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|---|---|---|---|---|---|---|---|---|---|
| PC | 843278.778 | 1638715.795 | | | | | | | |
| CURVE | | | S 50°39'08.9" E | 187.63 | 03°02'55.0"(RT) | 01°37'28.7" | 187.65 | 93.85 | 3526.69 |
| PT | 843159.819 | 1638860.889 | | | | | | | |
| LINE | | | S 49°07'41.4" E | 178.65 | | | | | |
| PC | 843042.913 | 1638995.984 | | | | | | | |
| CURVE | | | S 48°06'32.1" E | 10.67 | 02°02'18.7"(RT) | 19°05'54.9" | 10.67 | 5.34 | 300.00 |
| PT | 843035.786 | 1639003.929 | | | | | | | |
| LINE | | | S 47°05'22.7" E | 142.14 | | | | | |
| PC | 842939.010 | 1639108.035 | | | | | | | |
| CURVE | | | S 48°00'49.0" E | 9.68 | 01°50'52.6"(LT) | 19°05'54.9" | 9.68 | 4.84 | 300.00 |
| PT | 842932.538 | 1639115.226 | | | | | | | |
| LINE | | | S 48°56'15.3" E | 156.62 | | | | | |
| PC | 842829.658 | 1639233.316 | | | | | | | |
| CURVE | | | S 49°48'41.6" E | 15.25 | 01°44'52.7"(LT) | 11°27'33.0" | 15.25 | 7.63 | 500.00 |
| PT | 842819.815 | 1639244.969 | | | | | | | |
| LINE | | | S 50°41'08.0" E | 25.17 | | | | | |
| POT | 842803.870 | 1639264.439 | | | | | | | |

EY4RPB

| POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|---|---|---|---|---|---|---|---|---|---|
| PC | 843275.784 | 1639045.970 | | | | | | | |
| CURVE | | | S 83°30'55.2" E | 228.75 | 07°15'12.2"(LT) | 03°10'07.7" | 228.90 | 114.60 | 1808.12 |
| PT | 843249.950 | 1639273.253 | | | | | | | |
| LINE | | | S 87°08'31.3" E | 23.78 | | | | | |
| PC | 843248.764 | 1639297.007 | | | | | | | |
| CURVE | | | S 87°20'39.1" E | 7.06 | 00°24'15.6"(LT) | 05°43'46.5" | 7.06 | 3.53 | 1000.00 |
| PT | 843248.437 | 1639304.056 | | | | | | | |
| LINE | | | S 87°32'46.9" E | 262.94 | | | | | |
| PC | 843237.180 | 1639566.759 | | | | | | | |
| CURVE | | | S 85°29'48.9" E | 35.76 | 04°05'56.0"(RT) | 11°27'33.0" | 35.77 | 17.89 | 500.00 |
| PT | 843234.372 | 1639602.410 | | | | | | | |
| LINE | | | S 83°26'50.9" E | 18.24 | | | | | |
| PC | 843232.290 | 1639620.535 | | | | | | | |
| CURVE | | | S 65°11'06.1" E | 135.17 | 36°31'29.6"(RT) | 26°34'00.4" | 137.48 | 71.17 | 215.67 |
| PT | 843175.562 | 1639743.222 | | | | | | | |

EY5

| POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|---|---|---|---|---|---|---|---|---|---|
| POT | 842447.560 | 1638853.054 | | | | | | | |
| LINE | | | N 52°09'20.5" E | 43.97 | | | | | |
| PC | 842474.539 | 1638887.780 | | | | | | | |
| CURVE | | | N 49°52'13.9" E | 79.75 | 04°34'13.3"(LT) | 05°43'46.5" | 79.77 | 39.91 | 1000.00 |
| PT | 842525.937 | 1638948.753 | | | | | | | |
| LINE | | | N 47°35'07.2" E | 270.88 | | | | | |
| PC | 842708.645 | 1639148.741 | | | | | | | |
| CURVE | | | N 48°50'40.2" E | 43.95 | 02°31'06.0"(RT) | 05°43'46.5" | 43.95 | 21.98 | 1000.00 |
| PT | 842737.568 | 1639181.832 | | | | | | | |
| LINE | | | N 50°06'13.2" E | 38.28 | | | | | |
| PC | 842762.120 | 1639211.200 | | | | | | | |
| CURVE | | | N 51°08'18.1" E | 18.06 | 02°04'09.9"(RT) | 11°27'33.0" | 18.06 | 9.03 | 500.00 |
| PT | 842773.451 | 1639225.261 | | | | | | | |
| LINE | | | N 52°10'23.1" E | 648.76 | | | | | |
| PC | 843171.319 | 1639737.692 | | | | | | | |
| CURVE | | | N 52°24'13.6" E | 4.03 | 00°27'41.0"(RT) | 11°27'33.0" | 4.03 | 2.01 | 500.00 |
| PT | 843173.775 | 1639740.882 | | | | | | | |
| LINE | | | N 52°38'04.1" E | 40.89 | | | | | |
| PC | 843198.589 | 1639773.378 | | | | | | | |
| CURVE | | | N 50°57'16.4" E | 58.63 | 03°21'35.3"(LT) | 05°43'46.5" | 58.64 | 29.33 | 1000.00 |
| PT | 843235.523 | 1639818.914 | | | | | | | |
| LINE | | | N 49°16'28.8" E | 192.36 | | | | | |
| PC | 843361.023 | 1639964.691 | | | | | | | |
| CURVE | | | N 48°23'16.6" E | 46.43 | 01°46'24.3"(LT) | 03°49'11.0" | 46.43 | 23.22 | 1500.00 |
| PT | 843391.854 | 1639999.402 | | | | | | | |
| LINE | | | N 47°30'04.5" E | 303.73 | | | | | |
| PC | 843597.044 | 1640223.336 | | | | | | | |
| CURVE | | | N 48°03'33.6" E | 19.48 | 01°06'58.3"(RT) | 05°43'46.5" | 19.48 | 9.74 | 1000.00 |
| PT | 843610.064 | 1640237.827 | | | | | | | |
| LINE | | | N 48°37'02.8" E | 36.39 | | | | | |
| PC | 843634.118 | 1640265.127 | | | | | | | |
| CURVE | | | N 48°56'13.0" E | 5.58 | 00°38'20.4"(RT) | 11°27'33.0" | 5.58 | 2.79 | 500.00 |
| PT | 843637.781 | 1640269.332 | | | | | | | |
| LINE | | | N 49°15'23.2" E | 11.84 | | | | | |
| PC | 843645.507 | 1640278.301 | | | | | | | |
| CURVE | | | N 48°17'58.0" E | 16.70 | 01°54'50.4"(LT) | 11°27'33.0" | 16.70 | 8.35 | 500.00 |
| PT | 843656.618 | 1640290.771 | | | | | | | |
| LINE | | | N 47°20'32.8" E | 40.26 | | | | | |
| PC | 843683.896 | 1640320.377 | | | | | | | |
| CURVE | | | N 47°27'24.6" E | 2.00 | 00°13'43.6"(RT) | 11°27'33.0" | 2.00 | 1.00 | 500.00 |
| PT | 843685.246 | 1640321.847 | | | | | | | |
| LINE | | | N 47°34'16.4" E | 221.65 | | | | | |
| PC | 843834.787 | 1640485.451 | | | | | | | |
| CURVE | | | N 47°19'39.0" E | 4.25 | 00°29'14.8"(LT) | 11°27'33.0" | 4.25 | 2.13 | 500.00 |
| PT | 843837.670 | 1640488.578 | | | | | | | |
| LINE | | | N 47°05'01.6" E | 64.43 | | | | | |
| PC | 843881.540 | 1640535.761 | | | | | | | |
| CURVE | | | N 47°19'13.3" E | 82.58 | 00°28'23.4"(RT) | 00°34'22.6" | 82.58 | 41.29 | 10000.00 |
| PT | 843937.524 | 1640596.473 | | | | | | | |
| LINE | | | N 47°33'25.0" E | 367.37 | | | | | |
| POT | 844185.448 | 1640867.575 | | | | | | | |

EY5A

| POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|---|---|---|---|---|---|---|---|---|---|
| POT | 843226.112 | 1639809.422 | | | | | | | |
| LINE | | | S 52°38'04.1" W | 86.24 | | | | | |
| PC | 843173.775 | 1639740.882 | | | | | | | |
| CURVE | | | S 52°24'13.6" W | 4.03 | 00°27'41.0"(LT) | 11°27'33.0" | 4.03 | 2.01 | 500.00 |
| PT | 843171.319 | 1639737.692 | | | | | | | |
| LINE | | | S 52°10'23.1" W | 648.76 | | | | | |
| PC | 842773.451 | 1639225.261 | | | | | | | |
| CURVE | | | S 51°08'18.1" W | 18.06 | 02°04'09.9"(LT) | 11°27'33.0" | 18.06 | 9.03 | 500.00 |
| PT | 842762.120 | 1639211.200 | | | | | | | |
| LINE | | | S 50°06'13.2" W | 41.75 | | | | | |
| POT | 842735.344 | 1639179.171 | | | | | | | |

EY5B

| POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|---|---|---|---|---|---|---|---|---|---|
| POT | 843942.043 | 1640600.833 | | | | | | | |
| LINE | | | S 47°05'01.6" W | 153.28 | | | | | |
| PC | 843837.670 | 1640488.578 | | | | | | | |
| CURVE | | | S 47°19'39.0" W | 4.25 | 00°29'14.8"(RT) | 11°27'33.0" | 4.25 | 2.13 | 500.00 |
| PT | 843834.787 | 1640485.451 | | | | | | | |
| LINE | | | S 47°34'16.4" W | 221.65 | | | | | |
| PC | 843685.246 | 1640321.847 | | | | | | | |
| CURVE | | | S 47°27'24.6" W | 2.00 | 00°13'43.6"(LT) | 11°27'33.0" | 2.00 | 1.00 | 500.00 |
| PT | 843683.896 | 1640320.377 | | | | | | | |
| LINE | | | S 47°20'32.8" W | 40.26 | | | | | |
| PC | 843656.618 | 1640290.771 | | | | | | | |
| CURVE | | | S 48°17'58.0" W | 16.70 | 01°54'50.4"(RT) | 11°27'33.0" | 16.70 | 8.35 | 500.00 |
| PT | 843645.507 | 1640278.301 | | | | | | | |
| LINE | | | S 49°15'23.2" W | 11.84 | | | | | |
| PC | 843637.781 | 1640269.332 | | | | | | | |
| CURVE | | | S 48°56'13.0" W | 5.58 | 00°38'20.4"(LT) | 11°27'33.0" | 5.58 | 2.79 | 500.00 |
| PT | 843634.118 | 1640265.127 | | | | | | | |
| LINE | | | S 48°37'02.8" W | 46.56 | | | | | |
| POT | 843603.338 | 1640230.194 | | | | | | | |

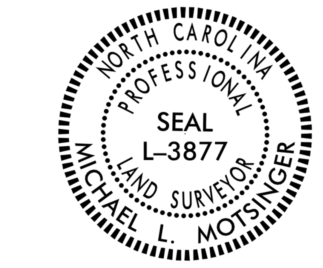
EY6

| POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|---|---|---|---|---|---|---|---|---|---|
| POT | 843194.103 | 1639767.503 | | | | | | | |
| LINE | | | S 48°16'42.8" E | 300.64 | | | | | |
| PC | 842994.025 | 1639991.897 | | | | | | | |
| CURVE | | | S 48°16'36.9" E | 0.06 | 00°00'11.8"(RT) | 05°43'46.5" | 0.06 | 0.03 | 1000.00 |
| PT | 842993.986 | 1639991.940 | | | | | | | |
| LINE | | | S 48°16'30.9" E | 46.00 | | | | | |
| PC | 842963.372 | 1640026.271 | | | | | | | |
| CURVE | | | S 58°32'05.9" E | 263.18 | 20°31'09.9"(LT) | 07°45'18.0" | 264.60 | 133.73 | 738.82 |
| PT | 842825.996 | 1640250.756 | | | | | | | |
| LINE | | | S 68°47'40.9" E | 102.52 | | | | | |
| PC | 842788.913 | 1640346.336 | | | | | | | |
| CURVE | | | S 68°45'19.5" E | 1.37 | 00°04'42.8"(RT) | 05°43'46.5" | 1.37 | 0.69 | 1000.00 |
| PT | 842788.416 | 1640347.614 | | | | | | | |
| LINE | | | S 68°42'58.1" E | 231.75 | | | | | |
| PC | 842704.295 | 1640563.553 | | | | | | | |
| CURVE | | | S 73°11'57.3" E | 119.65 | 08°57'58.4"(LT) | 07°29'09.2" | 119.78 | 60.01 | 765.39 |
| PCC | 842669.710 | 1640678.099 | | | | | | | |
| CURVE | | | S 79°11'12.9" E | 26.26 | 03°00'32.8"(LT) | 11°27'33.0" | 26.26 | 13.13 | 500.00 |
| PT | 842664.784 | 1640703.889 | | | | | | | |
| LINE | | | S 80°41'29.3" E | 14.24 | | | | | |
| PC | 842662.481 | 1640717.939 | | | | | | | |
| CURVE | | | N 87°27'57.8" E | 285.17 | 23°41'05.7"(LT) | 08°14'47.9" | 287.21 | 145.68 | 694.78 |
| PCC | 842675.089 | 1641002.827 | | | | | | | |
| CURVE | | | N 76°20'36.6" E | 25.13 | 01°26'23.4"(RT) | 05°43'46.5" | 25.13 | 12.57 | 1000.00 |
| PT | 842681.021 | 1641027.246 | | | | | | | |

EY7

| POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|---|---|---|---|---|---|---|---|---|---|
| POT | 842803.870 | 1639264.439 | | | | | | | |
| LINE | | | S 50°41'08.0" E | 39.33 | | | | | |
| PC | 842778.950 | 1639294.870 | | | | | | | |
| CURVE | | | S 69°15'23.0" E | 299.09 | 37°08'30.1"(LT) | 12°12'06.6" | 304.39 | 157.76 | 469.57 |
| PT | 842673.015 | 1639574.574 | | | | | | | |
| LINE | | | S 87°49'38.1" E | 230.65 | | | | | |
| PC | 842664.271 | 1639805.058 | | | | | | | |
| CURVE | | | S 77°53'34.0" E | 252.29 | 19°52'08.1"(RT) | 07°50'09.7" | 253.56 | 128.07 | 731.18 |
| PT | 842611.355 | 1640051.736 | | | | | | | |
| LINE | | | S 67°57'30.0" E | 33.46 | | | | | |
| PC | 842598.799 | 1640082.749 | | | | | | | |
| CURVE | | | S 67°56'58.3" E | 1.54 | 00°01'03.5"(RT) | 01°08'45.3" | 1.54 | 0.77 | 5000.00 |
| PT | 842598.221 | 1640084.175 | | | | | | | |
| LINE | | | S 67°56'26.5" E | 534.62 | | | | | |
| PC | 842397.436 | 1640579.658 | | | | | | | |
| CURVE | | | S 67°43'05.4" E | 38.84 | 00°26'42.2"(RT) | 01°08'45.3" | 38.84 | 19.42 | 5000.00 |
| PT | 842382.710 | 1640615.597 | | | | | | | |
| LINE | | | S 67°29'44.3" E | 31.24 | | | | | |
| PC | 842370.754 | 1640644.455 | | | | | | | |
| CURVE | | | S 64°21'08.0" E | 136.36 | 06°17'12.6"(RT) | 04°36'29.0" | 136.43 | 68.28 | 1243.38 |
| PCC | 842311.731 | 1640767.382 | | | | | | | |
| CURVE | | | S 60°49'22.2" E | 6.74 | 00°46'19.1"(RT) | 11°27'33.0" | 6.74 | 3.37 | 500.00 |
| PT | 842308.447 | 1640773.264 | | | | | | | |
| LINE | | | S 60°26'12.6" E | 173.05 | | | | | |
| PC | 842223.067 | 1640923.786 | | | | | | | |
| CURVE | | | S 61°28'03.0" E | 221.38 | 02°03'40.8"(LT) | 00°55'51.9" | 221.39 | 110.71 | 6153.73 |
| PCC | 842117.323 | 1641118.279 | | | | | | | |
| CURVE | | | S 65°23'03.4" E | 25.18 | 05°46'20.0"(LT) | 22°55'05.9" | 25.19 | 12.60 | 250.00 |
| PCC | 842106.836 | 1641141.166 | | | | | | | |
| CURVE | | | S 76°42'02.5" E | 154.51 | 16°51'38.3"(LT) | 10°52'23.0" | 155.07 | 78.10 | 526.95 |
| PCC | 842071.293 | 1641291.532 | | | | | | | |
| CURVE | | | S 86°13'01.2" E | 9.48 | 02°10'19.1"(LT) | 22°55'05.9" | 9.48 | 4.74 | 250.00 |
| PT | 842070.668 | 1641300.988 | | | | | | | |
| LINE | | | S 87°18'10.8" E | 4.28 | | | | | |
| PC | 842070.467 | 1641305.261 | | | | | | | |
| CURVE | | | N 82°07'51.6" E | 164.11 | 21°07'55.3"(LT) | 12°48'14.2" | 165.04 | 83.47 | 447.49 |
| PT | 842092.935 | 1641467.825 | | | | | | | |
| LINE | | | N 71°33'53.9" E | 106.21 | | | | | |
| POT | 842126.521 | 1641568.584 | | | | | | | |

PROJECT SURVEYOR




DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, D. Clift Bodenhamer, PLS, certify that the Project Control was [performed/verified] under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: AA
Type of GPS field procedure: [Static,_OPUS,_RTN]
Dates of survey: 1-22-18
Datum/Epoch: NAD 2011
Published/Fixed-control use: [Project_Control_if_applicable,_N/A_for_RTN]
Localized around: I-5880-2
Northing:842150.426
Easting:1641466.376
Combined grid factor:0.999932736
Geoid model:12BNC
Units: US Survey Feet

I certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from February 2018 to September 2018 , and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24 day of March, 2025.

DocuSigned by:
FDB6FE70E23C40E...
Professional Land Surveyor L-3877

NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| I-5880 | RW02C-10 |

Location and Surveys

INSERT CONSULTANT'S NAME

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3877 LAND SURVEYOR MICHAEL L. MOTSINGER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, D. Clift Bodenhamer, PLS, certify that the Project Control was [performed/verified] under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: AA
Type of GPS field procedure: [Static,_OPUS,_RTN]
Dates of survey: 1-22-18
Datum/Epoch: NAD 2011
Published/Fixed-control use: [Project_Control_if_applicable,_N/A_for_RTN]
Localized around: I-5880-2
Northing:842150.426
Easting:1641466.376
Combined grid factor:0.999932736
Geoid model:12BNC
Units: US Survey Feet

I certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from February 2018 to September 2018 , and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24 day of March, 2025.

DocuSigned by:
Michael L. Motsinger
FD8FEE70E23C40E...

Professional Land Surveyor L-3877

EY8

| POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|---|---|---|---|---|---|---|---|---|---|
| PC | 842231.962 | 1640155.478 | | | | | | | |
| CURVE | | | S 24°18'45.9" E | 312.69 | 00°07'13.9"(LT) | 01°38'13.3" | 312.80 | 156.58 | 3500.00 |
| PT | 843947.803 | 1640284.218 | | | | | | | |
| LINE | | | S 26°52'22.9" E | 74.30 | | | | | |
| PC | 843876.268 | 1640320.863 | | | | | | | |
| CURVE | | | S 27°34'25.6" E | 21.88 | 01°24'05.4"(LT) | 06°38'48.7" | 21.89 | 10.94 | 862.00 |
| PT | 843857.578 | 1640325.822 | | | | | | | |
| LINE | | | S 28°16'28.3" E | 124.44 | | | | | |
| PC | 843747.986 | 1640388.769 | | | | | | | |
| CURVE | | | S 28°37'36.8" E | 6.15 | 00°42'16.9"(LT) | 11°27'33.0" | 6.15 | 3.07 | 500.00 |
| PT | 843742.588 | 1640391.715 | | | | | | | |
| LINE | | | S 28°58'45.2" E | 254.35 | | | | | |
| PC | 843520.886 | 1640514.945 | | | | | | | |
| CURVE | | | S 28°48'46.9" E | 2.90 | 00°19'56.6"(RT) | 11°27'33.0" | 2.90 | 1.45 | 500.00 |
| PT | 843517.544 | 1640516.343 | | | | | | | |
| LINE | | | S 28°38'48.7" E | 59.24 | | | | | |
| PC | 843465.560 | 1640544.741 | | | | | | | |
| CURVE | | | S 28°42'51.5" E | 1.18 | 00°08'25.7"(LT) | 11°27'33.0" | 1.18 | 0.59 | 500.00 |
| PT | 843464.527 | 1640545.387 | | | | | | | |
| LINE | | | S 28°46'54.4" E | 44.16 | | | | | |
| PC | 843425.821 | 1640566.569 | | | | | | | |
| CURVE | | | S 28°58'17.8" E | 3.31 | 00°22'46.8"(LT) | 11°27'33.0" | 3.31 | 1.66 | 500.00 |
| PT | 843422.923 | 1640568.174 | | | | | | | |
| LINE | | | S 29°09'41.2" E | 347.17 | | | | | |
| PC | 843115.754 | 1640737.342 | | | | | | | |
| CURVE | | | S 29°44'59.4" E | 10.27 | 01°10'36.4"(LT) | 11°27'33.0" | 10.27 | 5.13 | 500.00 |
| PT | 843110.838 | 1640742.438 | | | | | | | |
| LINE | | | S 30°20'17.6" E | 83.95 | | | | | |
| PC | 843038.388 | 1640784.839 | | | | | | | |
| CURVE | | | S 31°32'34.2" E | 21.02 | 02°24'33.1"(LT) | 11°27'33.0" | 21.02 | 10.51 | 500.00 |
| PT | 843020.471 | 1640795.837 | | | | | | | |
| LINE | | | S 32°44'58.7" E | 144.76 | | | | | |
| PC | 842898.719 | 1640874.143 | | | | | | | |
| CURVE | | | S 33°06'35.4" E | 6.34 | 00°43'37.4"(LT) | 11°27'33.0" | 6.34 | 3.17 | 500.00 |
| PT | 842893.485 | 1640877.688 | | | | | | | |
| LINE | | | S 33°28'28.2" E | 149.59 | | | | | |
| PC | 842768.629 | 1640960.116 | | | | | | | |
| CURVE | | | S 35°57'13.3" E | 43.26 | 04°57'38.2"(LT) | 11°27'33.0" | 43.27 | 21.65 | 500.00 |
| PT | 842733.613 | 1640985.513 | | | | | | | |
| LINE | | | S 38°25'58.4" E | 115.97 | | | | | |
| PC | 842642.772 | 1641057.558 | | | | | | | |
| CURVE | | | S 37°52'05.0" E | 9.84 | 01°07'38.6"(RT) | 11°27'33.0" | 9.84 | 4.92 | 500.00 |
| PT | 842635.805 | 1641063.637 | | | | | | | |
| LINE | | | S 39°35'25.4" E | 211.20 | 04°34'11.2"(LT) | 02°09'47.3" | 211.26 | 105.69 | 2648.75 |
| PC | 842472.249 | 1641198.235 | | | | | | | |
| CURVE | | | S 41°52'31.0" E | 59.36 | | | | | |
| PT | 842428.846 | 1641237.861 | | | | | | | |
| CURVE | | | S 42°36'15.1" E | 12.72 | 01°27'28.3"(LT) | 11°27'33.0" | 12.72 | 6.36 | 500.00 |
| PC | 842418.682 | 1641246.473 | | | | | | | |
| CURVE | | | S 46°38'31.1" E | 347.58 | 06°33'03.7"(LT) | 01°53'02.9" | 347.69 | 174.04 | 3040.33 |
| PT | 842179.956 | 1641498.996 | | | | | | | |
| CURVE | | | S 51°24'55.3" E | 26.72 | 03°03'44.6"(LT) | 11°27'33.0" | 26.72 | 13.37 | 500.00 |
| PT | 842163.298 | 1641515.884 | | | | | | | |
| LINE | | | S 52°56'47.6" E | 192.12 | | | | | |
| PC | 842047.527 | 1641673.289 | | | | | | | |
| CURVE | | | S 51°34'58.3" E | 23.80 | 02°43'38.6"(RT) | 11°27'33.0" | 23.80 | 11.90 | 500.00 |
| PT | 842032.739 | 1641691.855 | | | | | | | |
| LINE | | | S 50°13'09.1" E | 91.98 | | | | | |
| PC | 841973.888 | 1641762.539 | | | | | | | |
| CURVE | | | S 50°18'35.4" E | 1.58 | 00°10'52.7"(LT) | 11°27'33.0" | 1.58 | 0.79 | 500.00 |
| PT | 841972.877 | 1641763.756 | | | | | | | |
| LINE | | | S 50°24'01.8" E | 121.31 | | | | | |
| PC | 841895.554 | 1641857.226 | | | | | | | |
| CURVE | | | S 50°22'21.4" E | 8.49 | 00°03'20.6"(RT) | 11°27'33.0" | 8.49 | 8.24 | 500.00 |
| PT | 841895.244 | 1641857.681 | | | | | | | |
| LINE | | | S 50°20'41.0" E | 43.79 | | | | | |
| PC | 841867.296 | 1641891.317 | | | | | | | |
| CURVE | | | S 50°52'51.8" E | 9.36 | 01°04'21.6"(LT) | 11°27'33.0" | 9.36 | 4.68 | 500.00 |
| PT | 841861.398 | 1641898.582 | | | | | | | |
| LINE | | | S 51°25'02.6" E | 131.69 | | | | | |
| PC | 841779.261 | 1642001.525 | | | | | | | |
| CURVE | | | S 51°18'25.0" E | 2.00 | 00°13'46.1"(RT) | 11°27'33.0" | 2.00 | 1.00 | 500.00 |
| PT | 841778.809 | 1642003.888 | | | | | | | |
| LINE | | | S 51°11'16.2" E | 285.85 | | | | | |
| PC | 841647.111 | 1642165.822 | | | | | | | |
| CURVE | | | S 51°05'03.2" E | 0.65 | 00°04'26.7"(RT) | 11°27'33.0" | 0.65 | 0.32 | 500.00 |
| PT | 841646.705 | 1642166.326 | | | | | | | |
| LINE | | | S 51°06'49.9" E | 156.58 | | | | | |
| PC | 841548.406 | 1642288.218 | | | | | | | |
| CURVE | | | S 50°57'18.7" E | 5.62 | 00°19'18.3"(RT) | 05°43'46.5" | 5.62 | 2.81 | 1000.00 |
| PT | 841544.868 | 1642292.571 | | | | | | | |
| LINE | | | S 50°47'31.6" E | 98.06 | | | | | |
| PC | 841482.884 | 1642368.558 | | | | | | | |
| CURVE | | | S 50°54'48.2" E | 2.08 | 00°14'17.3"(LT) | 11°27'33.0" | 2.08 | 1.04 | 500.00 |
| PT | 841481.574 | 1642370.163 | | | | | | | |
| LINE | | | S 51°01'48.8" E | 78.78 | | | | | |
| PC | 841432.831 | 1642431.409 | | | | | | | |
| CURVE | | | S 50°22'16.4" E | 11.50 | 01°19'04.8"(RT) | 11°27'33.0" | 11.50 | 5.75 | 500.00 |
| PT | 841424.695 | 1642440.267 | | | | | | | |
| LINE | | | S 49°42'44.8" E | 62.86 | | | | | |
| PC | 841384.847 | 1642488.219 | | | | | | | |
| CURVE | | | S 48°34'18.8" E | 19.91 | 02°16'52.0"(RT) | 11°27'33.0" | 19.91 | 9.95 | 500.00 |
| PT | 841378.876 | 1642503.144 | | | | | | | |
| LINE | | | S 47°25'52.8" E | 99.26 | | | | | |
| PC | 841303.726 | 1642576.249 | | | | | | | |
| CURVE | | | S 46°33'31.7" E | 15.22 | 01°44'40.6"(RT) | 11°27'33.0" | 15.22 | 7.61 | 500.00 |
| PT | 841293.257 | 1642587.383 | | | | | | | |
| LINE | | | S 45°41'11.3" E | 90.26 | | | | | |
| PC | 841238.203 | 1642651.886 | | | | | | | |
| CURVE | | | S 44°45'04.8" E | 16.32 | 01°52'14.6"(RT) | 11°27'33.0" | 16.33 | 8.16 | 500.00 |
| PT | 841218.610 | 1642663.379 | | | | | | | |
| LINE | | | S 43°48'56.7" E | 37.18 | | | | | |
| PC | 841191.780 | 1642689.122 | | | | | | | |
| CURVE | | | S 43°07'13.0" E | 12.14 | 01°23'27.5"(RT) | 11°27'33.0" | 12.14 | 6.07 | 500.00 |
| PT | 841182.921 | 1642697.419 | | | | | | | |
| LINE | | | S 42°25'29.2" E | 33.88 | | | | | |
| PC | 841158.500 | 1642719.737 | | | | | | | |
| CURVE | | | S 41°23'44.0" E | 17.96 | 02°03'30.6"(RT) | 11°27'33.0" | 17.96 | 8.98 | 500.00 |
| PT | 841145.825 | 1642731.615 | | | | | | | |
| LINE | | | S 40°21'58.7" E | 54.45 | | | | | |
| PC | 841103.540 | 1642766.879 | | | | | | | |
| CURVE | | | S 39°27'20.0" E | 15.89 | 01°49'15.7"(RT) | 11°27'33.0" | 15.89 | 7.95 | 500.00 |
| PT | 841089.271 | 1642776.978 | | | | | | | |
| LINE | | | S 38°32'43.0" E | 10.11 | | | | | |
| PC | 841082.579 | 1642783.983 | | | | | | | |
| CURVE | | | S 37°41'34.0" E | 14.88 | 01°42'17.5"(RT) | 11°27'33.0" | 14.88 | 7.44 | 500.00 |
| PT | 841070.806 | 1642792.999 | | | | | | | |
| LINE | | | S 36°50'25.1" E | 144.32 | | | | | |
| POT | 840955.301 | 1642879.535 | | | | | | | |

EY9

| POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|---|---|---|---|---|---|---|---|---|---|
| POT | 841755.141 | 1641226.825 | | | | | | | |
| LINE | | | N 67°04'48.9" E | 253.10 | | | | | |
| PC | 841853.718 | 1641459.140 | | | | | | | |
| CURVE | | | N 67°07'58.5" E | 0.96 | 00°06'35.0"(RT) | 11°27'33.0" | 0.96 | 0.48 | 500.00 |
| PT | 841854.090 | 1641460.023 | | | | | | | |
| LINE | | | N 67°11'16.0" E | 53.45 | | | | | |
| PC | 841874.813 | 1641509.291 | | | | | | | |
| CURVE | | | N 54°49'35.6" E | 136.18 | 24°43'20.8"(LT) | 18°00'47.9" | 137.25 | 69.71 | 318.07 |
| PT | 841953.262 | 1641628.689 | | | | | | | |

EY10

| POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|---|---|---|---|---|---|---|---|---|---|
| POT | 841598.152 | 1641661.050 | | | | | | | |
| LINE | | | N 66°32'11.2" E | 180.96 | | | | | |
| PC | 841598.351 | 1641753.663 | | | | | | | |
| CURVE | | | N 66°45'06.2" E | 3.76 | 00°25'49.8"(RT) | 11°27'33.0" | 3.76 | 1.88 | 500.00 |
| PT | 841599.834 | 1641757.115 | | | | | | | |
| LINE | | | N 66°58'01.1" E | 332.33 | | | | | |
| POT | 841729.860 | 1642062.947 | | | | | | | |

EY11

| POINT | N | E | BEARING | DIST |
|---|---|---|---|---|
| POT | 841407.031 | 1642118.994 | | |
| LINE | | | N 67°37'43.2" E | 246.20 |
| POT | 841500.737 | 1642346.666 | | |

EY12RPA

| POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|---|---|---|---|---|---|---|---|---|---|
| PC | 842144.976 | 1641544.140 | | | | | | | |
| CURVE | | | N 84°51'00.1" E | 234.81 | 05°55'13.9"(RT) | 02°32'55.1" | 234.92 | 117.56 | 2248.00 |
| PT | 842166.853 | 1641778.001 | | | | | | | |
| LINE | | | N 87°50'37.1" E | 56.38 | | | | | |
| PC | 842168.175 | 1641834.339 | | | | | | | |
| CURVE | | | N 87°28'07.8" E | 6.55 | 00°45'00.1"(LT) | 11°27'33.0" | 6.55 | 3.27 | 500.00 |
| PT | 842168.464 | 1641840.878 | | | | | | | |
| LINE | | | N 87°05'37.6" E | 257.33 | | | | | |
| PC | 842181.512 | 1642097.881 | | | | | | | |
| CURVE | | | N 87°00'37.3" E | 2.91 | 00°09'55.5"(LT) | 05°43'46.5" | 2.91 | 1.45 | 1000.00 |
| PT | 842181.663 | 1642100.783 | | | | | | | |
| LINE | | | N 86°55'37.6" E | 67.31 | | | | | |
| PC | 842185.271 | 1642167.996 | | | | | | | |
| CURVE | | | N 86°53'14.2" E | 1.39 | 00°04'46.8"(LT) | 05°43'46.5" | 1.39 | 0.70 | 1000.00 |
| PT | 842185.347 | 1642169.384 | | | | | | | |
| LINE | | | N 86°50'50.8" E | 85.51 | | | | | |
| PC | 842190.849 | 1642254.762 | | | | | | | |
| CURVE | | | N 87°24'35.2" E | 7.99 | 00°27'28.8"(RT) | 05°43'46.5" | 7.99 | 4.00 | 1000.00 |
| PT | 842190.457 | 1642262.746 | | | | | | | |
| LINE | | | N 87°18'15.6" E | 43.99 | | | | | |
| PC | 842192.525 | 1642306.683 | | | | | | | |
| CURVE | | | N 87°20'35.2" E | 0.66 | 00°04'31.2"(RT) | 11°27'33.0" | 0.66 | 0.33 | 500.00 |
| PT | 842192.555 | 1642307.339 | | | | | | | |
| LINE | | | N 87°22'50.8" E | 153.00 | | | | | |
| PC | 842199.547 | 1642460.177 | | | | | | | |
| CURVE | | | N 89°56'37.6" E | 199.88 | 05°07'33.6"(RT) | 02°33'49.5" | 199.94 | 100.04 | 2234.84 |
| PT | 842199.743 | 1642660.053 | | | | | | | |

EY12RPB

| POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|---|---|---|---|---|---|---|---|---|---|
| PC | 842681.821 | 1641827.246 | | | | | | | |
| CURVE | | | N 78°09'42.9" E | 38.34 | 02°11'49.9"(RT) | 05°43'46.5" | 38.35 | 19.18 | 1000.00 |
| PT | 842688.887 | 1641864.773 | | | | | | | |
| LINE | | | N 79°15'37.6" E | 55.18 | | | | | |
| PC | 842695.169 | 1641918.984 | | | | | | | |
| CURVE | | | S 83°49'28.1" E | 338.38 | 33°58'04.7"(RT) | 10°05'34.4" | 335.23 | 172.66 | 567.68 |
| PT | 842663.616 | 1641647.448 | | | | | | | |
| LINE | | | S 66°54'17.7" E | 35.48 | | | | | |
| PC | 842649.700 | 1641680.281 | | | | | | | |
| CURVE | | | S 66°02'24.7" E | 30.18 | 01°43'46.0"(RT) | 05°43'46.5" | 30.18 | 15.09 | 1000.00 |
| PT | 842637.443 | 1641587.663 | | | | | | | |
| LINE | | | S 65°10'31.7" E | 248.50 | | | | | |
| PC | 842536.471 | 1641725.948 | | | | | | | |
| CURVE | | | S 65°05'08.4" E | 3.13 | 00°18'46.5"(RT) | 05°43'46.5" | 3.13 | 1.57 | 1000.00 |
| PT | 842535.151 | 1641728.783 | | | | | | | |
| LINE | | | S 64°59'45.2" E | 113.34 | | | | | |
| PC | 842487.244 | 1641831.580 | | | | | | | |
| CURVE | | | S 69°48'24.9" E | 172.10 | 09°21'19.4"(LT) | 05°25'47.8" | 172.29 | 86.34 | 1055.18 |
| PT | 842427.461 | 1641992.885 | | | | | | | |
| LINE | | | S 74°21'04.6" E | 31.85 | | | | | |
| PC | 842418.871 | 1642023.552 | | | | | | | |
| CURVE | | | S 74°08'13.9" E | 16.96 | 00°58'18.5"(LT) | 05°43'46.5" | 16.96 | 8.48 | 1000.00 |
| PT | 842414.434 | 1642039.923 | | | | | | | |
| LINE | | | S 75°19'23.1" E | 99.58 | | | | | |
| POT | 842399.338 | 1642097.560 | | | | | | | |

EY13

| POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|---|---|---|---|---|---|---|---|---|---|
| POT | 843364.034 | 1639968.177 | | | | | | | |
| LINE | | | S 42°28'16.5" E | 275.62 | | | | | |
| PC | 843168.302 | 1640153.885 | | | | | | | |
| CURVE | | | S 21°15'40.8" E | 125.87 | 42°09'11.6"(RT) | 32°44'25.6" | 128.75 | 67.44 | 175.00 |
| PT | 843043.203 | 1640195.446 | | | | | | | |
| LINE | | | S 00°11'05.8" E | 126.14 | | | | | |
| POT | 842916.863 | 1640195.853 | | | | | | | |

EY13A

| POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|---|---|---|---|---|---|---|---|---|---|
| POT | 842611.760 | 1639932.901 | | | | | | | |
| LINE | | | S 86°33'08.4" E | 163.45 | | | | | |
| PC | 842580.301 | 1639896.855 | | | | | | | |
| CURVE | | | S 88°27'01.2" E | 68.61 | 03°47'45.6"(LT) | 06°15'42.6" | 68.62 | 38.32 | 915.00 |
| PT | 842580.292 | 1639156.643 | | | | | | | |
| LINE | | | N 89°05'01.1" E | 144.77 | | | | | |
| POT | 842582.607 | 1639301.397 | | | | | | | |

EY14

| POINT | N | E | BEARING | DIST |
|---|---|---|---|---|
| POT | 844267.685 | 1640788.986 | | |
| LINE | | | S 02°00'16.7" W | 155.30 |
| POT | 844108.482 | 1640783.414 | | |

## NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

6/2/99

25-MAR-2025 15:16
S:\Units\Div08\Winston\Clifts Computer\Interstate\I5880\Right of Way\Survey Control Sheets C series and any right of way revisions\tobechecked\I5880_LS_rw02c_10.dgn
Jaturbeville AT LS-32880L

# PROPOSED ALIGNMENT CONTROL SHEET

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| I-5880 | RW02D-1 |

Location and Surveys

ENTER CONSULTANT'S NAME IN THIS BOX

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3877 LAND SURVEYOR MICHAEL L. MOTSINGER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Michael L. Motsinger, PLS, certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

This 24 day of March, 2025.

DocuSigned by:
FDB0FE70E29040E...

Professional Land Surveyor L-3877

L

| TYPE | STATION | NORTH | EAST |
|---|---|---|---|
| POT | 10+00.00 | 843822.4827 | 1636716.1249 |
| TS | 22+02.99 | 843589.8224 | 1637896.4068 |
| SC | 24+12.99 | 843547.3137 | 1638102.0521 |
| CS | 30+49.37 | 843355.8355 | 1638708.1594 |
| ST | 32+59.37 | 843272.4872 | 1638900.9030 |
| TS | 48+53.15 | 842626.4531 | 1640357.8788 |
| SC | 51+03.15 | 842529.9159 | 1640588.4409 |
| CS | 55+06.17 | 842428.7775 | 1640977.8573 |
| ST | 57+56.17 | 842400.9198 | 1641226.2567 |
| POT | 72+00.00 | 842269.9290 | 1642664.1322 |

Y1

| TYPE | STATION | NORTH | EAST |
|---|---|---|---|
| POT | 5+00.00 | 844191.7389 | 1640172.2913 |
| PC | 6+20.38 | 844080.8367 | 1640219.1106 |
| PT | 6+89.93 | 844017.7512 | 1640248.3677 |
| PC | 7+09.53 | 844000.2681 | 1640257.2271 |
| PRC | 8+13.16 | 843914.8970 | 1640315.4516 |
| PT | 9+17.59 | 843822.7017 | 1640361.9366 |
| PC | 9+91.00 | 843750.8493 | 1640376.9450 |
| PRC | 11+12.31 | 843646.5452 | 1640435.1779 |
| PRC | 13+01.17 | 843489.6605 | 1640537.1554 |
| PT | 13+69.58 | 843427.4340 | 1640565.3794 |
| PC | 15+58.21 | 843262.9288 | 1640657.6850 |
| PT | 19+07.93 | 842964.4921 | 1640839.8340 |
| PC | 21+10.19 | 842795.8234 | 1640951.4642 |
| PT | 30+01.02 | 842140.7246 | 1641549.8319 |
| PC | 38+27.66 | 841624.0911 | 1642195.1420 |
| PT | 38+71.55 | 841596.5017 | 1642229.2800 |
| POT | 39+87.30 | 841523.3327 | 1642318.9687 |

Y2

| TYPE | STATION | NORTH | EAST |
|---|---|---|---|
| POT | 10+00.00 | 843402.5556 | 1640010.0799 |
| PC | 12+79.35 | 843590.6878 | 1640216.5755 |
| PRC | 13+75.41 | 843663.2490 | 1640279.1739 |
| PT | 14+54.75 | 843718.7239 | 1640335.1734 |
| PC | 15+74.61 | 843784.6447 | 1640435.2801 |
| PRC | 16+34.54 | 843824.5516 | 1640479.6813 |
| PT | 16+89.02 | 843864.1270 | 1640517.0670 |
| PC | 17+64.38 | 843915.2614 | 1640572.4271 |
| PT | 18+47.65 | 843971.5035 | 1640633.8280 |
| POT | 20+42.69 | 844102.6431 | 1640778.1984 |

Y2A

| TYPE | STATION | NORTH | EAST |
|---|---|---|---|
| POT | 10+00.00 | 842685.2366 | 1639111.6464 |
| PC | 17+84.46 | 843166.3293 | 1639731.2661 |
| PT | 21+18.91 | 843381.6168 | 1639987.0973 |

C1

| TYPE | STATION | NORTH | EAST |
|---|---|---|---|
| PC | 1+00.00 | 843713.5552 | 1640411.0271 |
| PCC | 1+73.83 | 843780.0232 | 1640411.0271 |
| PCC | 2+47.65 | 843780.0232 | 1640344.5591 |
| PCC | 3+21.48 | 843713.5552 | 1640344.5591 |
| PT | 3+95.31 | 843713.5552 | 1640411.0271 |

RPA

| TYPE | STATION | NORTH | EAST |
|---|---|---|---|
| POT | 10+00.00 | 842543.1740 | 1641711.3170 |
| PC | 12+60.71 | 842654.0214 | 1641475.3468 |
| PT | 16+06.20 | 842701.9675 | 1641138.3329 |
| POT | 17+17.03 | 842684.6907 | 1641028.8549 |

RPB

| TYPE | STATION | NORTH | EAST |
|---|---|---|---|
| TS | 10+00.00 | 842870.2477 | 1639953.6125 |
| SC | 12+09.99 | 842788.8486 | 1640147.1504 |
| PT | 19+89.80 | 842676.7016 | 1640912.8430 |
| POT | 21+06.09 | 842684.6907 | 1641028.8549 |

RPC

| TYPE | STATION | NORTH | EAST |
|---|---|---|---|
| TS | 10+00.00 | 842769.1174 | 1639920.1834 |
| SC | 11+44.00 | 842709.9596 | 1640051.4683 |
| CS | 14+05.74 | 842591.8903 | 1640285.0154 |
| ST | 15+49.74 | 842521.2430 | 1640410.4920 |
| TS | 22+19.61 | 842189.1022 | 1640992.2141 |
| SC | 24+27.61 | 842098.8994 | 1641179.1937 |
| PT | 27+38.23 | 842098.8460 | 1641484.8418 |
| POT | 28+26.17 | 842125.7119 | 1641568.5838 |

RPD

| TYPE | STATION | NORTH | EAST |
|---|---|---|---|
| PC | 8+75.08 | 842196.9053 | 1642777.4207 |
| PCC | 11+99.84 | 842202.2248 | 1642452.9059 |
| PT | 15+23.00 | 842186.9731 | 1642130.1131 |
| POT | 21+24.42 | 842157.2159 | 1641529.4254 |

NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

2. THE PROPOSED ALIGNMENT CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

6/2/99

25-MAR-2025 15:18
S:\Unit 2\Winston\Clifts Computer\Interstate\I5880\Right of Way\Survey Control Sheets C series and any right of way revisions\tobechecked\I5880_LS_rw02d-1.dgn
jaturbeville AT LS-328808L

DocuSign Envelope ID: BC71E7AD-BBC7-4AF2-90B0-D96306474EBD

6/2/99

# RIGHT OF WAY CONTROL SHEET

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| I-5880 | RW03E-1 |

Location and Surveys

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4370 LAND SURVEYOR J. BRETT ABERNATHY

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST | |
|---|---|---|---|---|---|
| L | 51+70.70 | -238.34 | 842733.6793 | 1640727.3810 | EXISTING IRON PIN |

ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST | |
|---|---|---|---|---|---|
| Y1 | 6+15.00 | -35.00 | 844099.4031 | 1640249.2636 | |
| Y1 | 6+15.00 | -25.61 | 844095.7525 | 1640240.6162 | |
| Y1 | 6+18.15 | 32.10 | 844070.4057 | 1640188.6716 | |
| Y1 | 7+40.00 | -40.00 | 843994.3831 | 1640306.2221 | |
| Y1 | 7+81.24 | 60.00 | 843903.3140 | 1640247.3579 | |
| Y1 | 10+96.37 | -47.13 | 843689.4815 | 1640459.0950 | |
| Y1 | 11+00.00 | 46.00 | 843623.8878 | 1640392.8842 | |
| Y1 | 11+35.00 | 48.00 | 843597.5580 | 1640416.2710 | |
| Y1 | 11+39.78 | -35.17 | 843650.7930 | 1640480.3473 | |
| Y1 | 11+61.80 | -30.00 | 843629.4421 | 1640492.0759 | |
| Y1 | 11+93.34 | 45.00 | 843559.4841 | 1640451.0934 | |
| Y1 | 12+91.63 | -30.00 | 843509.3017 | 1640561.8961 | |
| Y1 | 12+92.19 | -26.70 | 843507.5690 | 1640559.0232 | |
| Y1 | 13+69.59 | 35.03 | 843410.2898 | 1640534.8355 | MAG NAIL IN CONC |
| Y1 | 15+58.21 | 35.00 | 843245.8018 | 1640627.1618 | |
| Y1 | 16+92.84 | -28.55 | 843161.1347 | 1640749.7059 | |
| Y1 | 17+00.00 | 35.00 | 843122.2993 | 1640698.8943 | MASONARY NAIL |
| Y1 | 17+60.83 | -31.11 | 843104.7472 | 1640787.0117 | |
| Y1 | 20+60.00 | 87.41 | 842789.4313 | 1640850.8741 | |
| Y1 | 31+07.03 | 61.28 | 842026.6302 | 1641594.2951 | |

ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST | |
|---|---|---|---|---|---|
| Y2 | 11+00.00 | 32.50 | 843445.8792 | 1640105.8894 | |
| Y2 | 11+00.00 | 25.46 | 843451.0857 | 1640101.1459 | |
| Y2 | 11+00.00 | -35.00 | 843495.7759 | 1640060.4300 | |
| Y2 | 11+00.00 | -26.56 | 843489.5342 | 1640066.1166 | |
| Y2 | 12+75.00 | -40.00 | 843617.3294 | 1640186.4240 | |
| Y2 | 12+98.02 | 54.86 | 843564.7960 | 1640268.8762 | |
| Y2 | 13+40.00 | 45.00 | 843606.4683 | 1640293.1322 | |
| Y2 | 13+56.48 | -50.00 | 843677.6193 | 1640228.1170 | MAG NAIL |
| Y2 | 13+90.00 | 60.00 | 843638.0427 | 1640334.9738 | |
| Y2 | 14+16.25 | -50.06 | 843730.3580 | 1640270.2248 | |
| Y2 | 14+75.00 | -90.00 | 843805.0262 | 1640302.5867 | |
| Y2 | 15+96.57 | -74.96 | 843855.4142 | 1640405.0806 | MAG NAIL |
| Y2 | 16+40.86 | -40.16 | 843855.4142 | 1640453.1443 | MAG NAIL |
| Y2 | 17+30.49 | 44.83 | 843859.3331 | 1640577.9485 | |
| Y2 | 17+50.00 | -60.00 | 843949.5768 | 1640521.1498 | |
| Y2 | 19+42.69 | -35.00 | 844061.3130 | 1640680.6442 | |
| Y2 | 19+42.69 | -24.96 | 844053.8840 | 1640687.3924 | |

ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|---|---|---|---|---|
| RPC | 26+91.80 | 65.00 | 842023.2678 | 1641454.0735 |

ROW MARKER PERMANENT EASEMENT-E

| ALIGN | STATION | OFFSET | NORTH | EAST | |
|---|---|---|---|---|---|
| Y1 | 5+48.80 | -33.13 | 844159.6631 | 1640221.7913 | |
| Y1 | 5+48.80 | -24.54 | 844156.3247 | 1640213.8834 | |
| Y1 | 7+23.33 | -58.47 | 844016.2852 | 1640314.8877 | |
| Y1 | 8+09.89 | 87.36 | 843859.7495 | 1640247.6085 | |
| Y1 | 8+13.40 | 66.62 | 843870.4413 | 1640265.8294 | |
| Y1 | 8+23.68 | 89.15 | 843851.1199 | 1640252.6655 | |
| Y1 | 8+28.27 | 68.39 | 843861.7194 | 1640270.7303 | |
| Y1 | 8+30.23 | -57.00 | 843935.8516 | 1640371.8828 | |
| Y1 | 10+85.01 | 75.25 | 843619.5196 | 1640358.0004 | |
| Y1 | 11+39.35 | -61.49 | 843668.9792 | 1640499.3762 | |
| Y1 | 11+47.43 | -50.13 | 843654.5326 | 1640497.1227 | 12" SPIKE |
| Y1 | 11+49.38 | -59.20 | 843658.8654 | 1640505.3839 | 12" SPIKE |
| Y1 | 11+67.50 | 47.26 | 843576.4338 | 1640435.5912 | |
| Y1 | 11+73.85 | 132.28 | 843519.9968 | 1640371.8193 | |
| Y1 | 11+76.47 | 73.41 | 843554.3329 | 1640419.6856 | |
| Y1 | 11+78.99 | 46.44 | 843568.9244 | 1640442.4592 | |
| Y1 | 11+79.75 | 123.12 | 843522.3528 | 1640381.5377 | |
| Y1 | 11+88.09 | 70.38 | 843548.4783 | 1640427.7828 | |
| Y1 | 12+34.74 | -61.03 | 843579.7526 | 1640563.2671 | |
| Y1 | 12+34.77 | -50.93 | 843574.8340 | 1640554.4530 | |
| Y1 | 12+43.36 | -61.26 | 843571.1255 | 1640568.1911 | |
| Y1 | 12+43.67 | -50.92 | 843566.0004 | 1640559.2101 | |
| Y1 | 13+31.06 | 37.16 | 843446.9027 | 1640514.1639 | |
| Y1 | 13+33.50 | 63.30 | 843433.7789 | 1640491.3933 | |
| Y1 | 13+38.49 | -66.50 | 843483.0506 | 1640611.5764 | POINT IN CONC |
| Y1 | 13+39.82 | -53.18 | 843476.4062 | 1640599.9782 | POINT IN CONC |
| Y1 | 13+40.80 | 36.09 | 843437.6666 | 1640519.5516 | |
| Y1 | 13+42.11 | 62.39 | 843425.1109 | 1640496.3891 | |
| Y1 | 13+50.66 | -67.37 | 843474.2975 | 1640616.7590 | |
| Y1 | 13+51.82 | -53.22 | 843467.0730 | 1640604.5570 | |
| Y1 | 14+53.10 | -66.05 | 843386.9225 | 1640663.8530 | |
| Y1 | 14+53.25 | -52.23 | 843380.0263 | 1640651.8734 | |
| Y1 | 14+63.21 | -52.06 | 843371.2547 | 1640656.5948 | |
| Y1 | 14+63.26 | -66.29 | 843378.1793 | 1640669.0297 | |
| Y1 | 15+37.11 | 75.56 | 843244.3578 | 1640581.4618 | MASONARY NAIL |
| Y1 | 15+37.41 | 35.00 | 843263.9479 | 1640616.9765 | |
| Y1 | 15+47.66 | 75.64 | 843235.1234 | 1640586.5555 | |
| Y1 | 15+47.95 | 35.00 | 843254.7512 | 1640622.1385 | |
| Y1 | 15+67.75 | -50.85 | 843279.5922 | 1640706.6546 | |
| Y1 | 16+86.47 | 64.04 | 843119.1068 | 1640666.9539 | MASONARY NAIL |
| Y1 | 16+87.94 | 35.00 | 843132.7186 | 1640692.6515 | |
| Y1 | 16+96.33 | 64.56 | 843110.2639 | 1640671.6379 | MASONARY NAIL |
| Y1 | 16+96.49 | -58.22 | 843173.2858 | 1640777.0178 | |
| Y1 | 16+97.88 | 35.00 | 843124.1287 | 1640697.7956 | MASONARY NAIL |
| Y1 | 20+31.48 | -56.68 | 842892.7437 | 1640955.2891 | |
| Y1 | 34+29.32 | -91.52 | 841944.4907 | 1641941.3763 | |
| Y1 | 34+32.63 | -91.65 | 841942.5168 | 1641944.0468 | |
| Y1 | 34+33.07 | -80.38 | 841933.4509 | 1641937.3460 | |
| Y1 | 35+59.74 | -59.30 | 841837.8265 | 1642023.0490 | |
| Y1 | 36+48.48 | -40.59 | 841767.7642 | 1642080.6348 | |

ROW MARKER PERMANENT EASEMENT-E

| ALIGN | STATION | OFFSET | NORTH | EAST | |
|---|---|---|---|---|---|
| Y2 | 10+67.84 | 25.55 | 843429.3573 | 1640077.4325 | EXISTING IRON PIN |
| Y2 | 10+67.87 | 34.63 | 843422.6699 | 1640083.5752 | |
| Y2 | 10+82.70 | 55.94 | 843416.8990 | 1640108.8892 | POINT ON WOOD DECK |
| Y2 | 12+10.52 | 67.34 | 843494.5564 | 1640211.0537 | |
| Y2 | 12+87.25 | 68.70 | 843546.2110 | 1640269.6316 | |
| Y2 | 13+77.52 | 82.42 | 843618.3023 | 1640348.2799 | |
| Y2 | 16+31.32 | 67.25 | 843778.5067 | 1640528.8404 | |
| Y2 | 16+69.64 | -55.47 | 843889.5194 | 1640463.5882 | MAG NAIL |
| Y2 | 16+82.66 | -58.65 | 843902.2167 | 1640471.9554 | MAG NAIL |
| Y2 | 16+85.31 | -46.94 | 843895.7788 | 1640482.1806 | MAG NAIL |
| Y2 | 17+20.90 | -54.36 | 843925.6892 | 1640503.5961 | |
| Y2 | 17+21.14 | -83.68 | 843947.3871 | 1640483.8860 | |
| Y2 | 17+30.83 | -56.51 | 843934.0065 | 1640509.4309 | NAIL IN ROOT |
| Y2 | 17+31.25 | -83.52 | 843954.1311 | 1640491.4225 | |
| Y2 | 17+44.79 | 60.68 | 843857.3909 | 1640599.2024 | |
| Y2 | 19+20.58 | 44.59 | 843987.5347 | 1640717.7901 | |

I, J. Brett Abernathy, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 8/16/23 to 8/25/23, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 26th day of October, 2023.

DocuSigned by:
Brett Abernathy
Professional Land Surveyor L-4370

## NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 8/16/23 TO 8/25/23 .

REVISIONS

30-OCT-2023 10:15
R:\Roadway\Active Projects\2023\23-00572-021 I-5880 ROW Staking\Data-Work\JG\I5880_ls_RW03E-1.dgn
jcgordon AT P40V-21HI-15

DocuSign Envelope ID: BC71E7AD-BBC7-4AF2-90B0-D96306474EBD

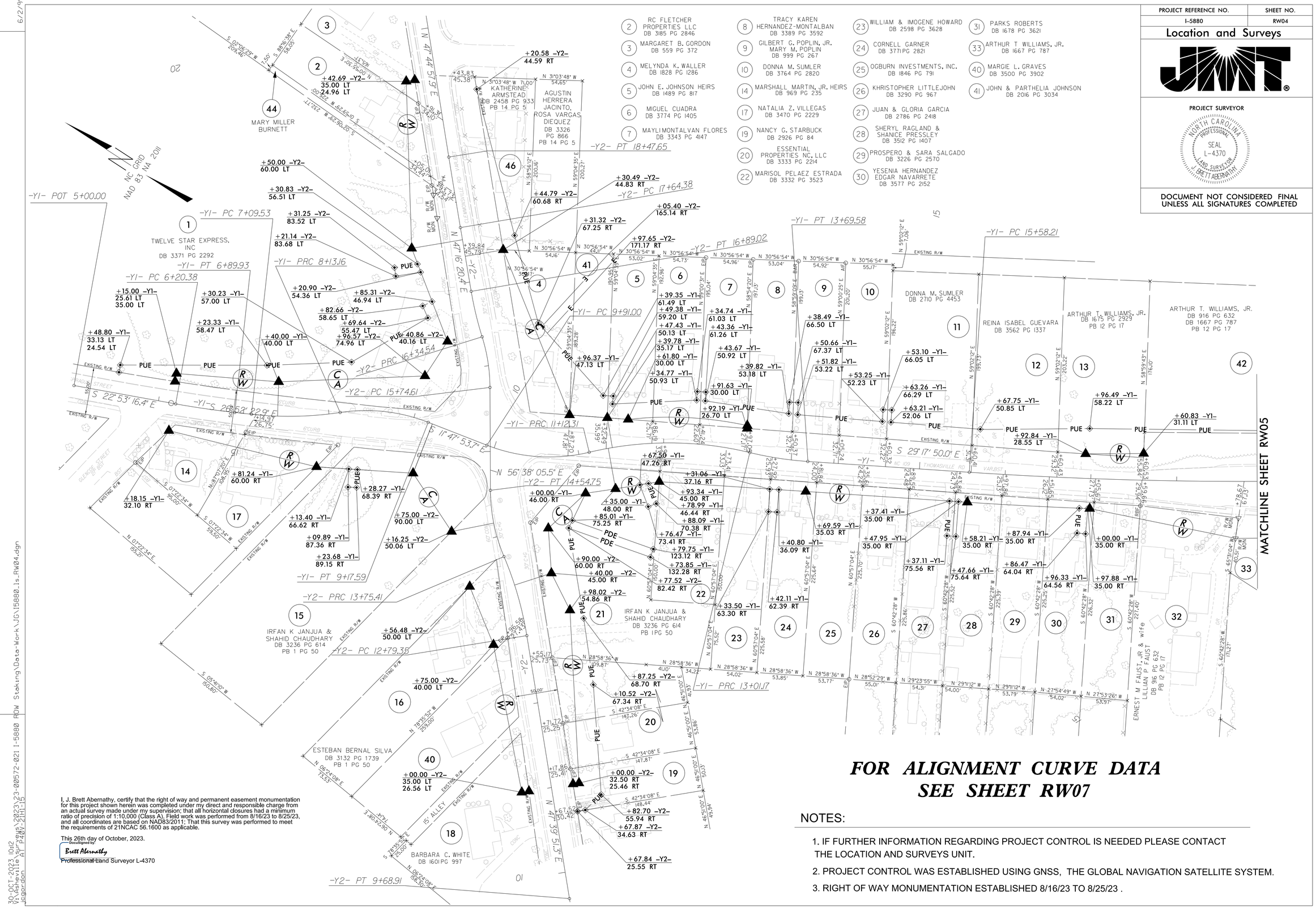
| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| I-5880 | RW04 |

## Location and Surveys

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4370 LAND SURVEYOR J. BRETT ABERNATHY

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED




# FOR ALIGNMENT CURVE DATA SEE SHEET RW07

I, J. Brett Abernathy, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 8/16/23 to 8/25/23, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 26th day of October, 2023.

DocuSigned by:
Brett Abernathy
Professional Land Surveyor L-4370

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 8/16/23 TO 8/25/23 .

REVISIONS

6/2/99

30-OCT-2023 10:12
V:\Active\I-5880\Surveys\2023\23-00572-021 I-5880 ROW Staking\Data-Work\JG\I5880_ls_RW04.dgn
jgordon ATT P401 21H1-15

6/2/99

REVISIONS

I, Michael L. Motsinger, certify that the right of way and permanent easement monumentation for this project shown herein was verified under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from September 2023 to October 2023, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of March, 2025.

DocuSigned by:
Michael L. Motsinger
FD9BFE7DF2C42E...
Professional Land Surveyor L-3877

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| I-5880 | RW04A |

## Location and Surveys

INSERT CONSULTANT'S NAME

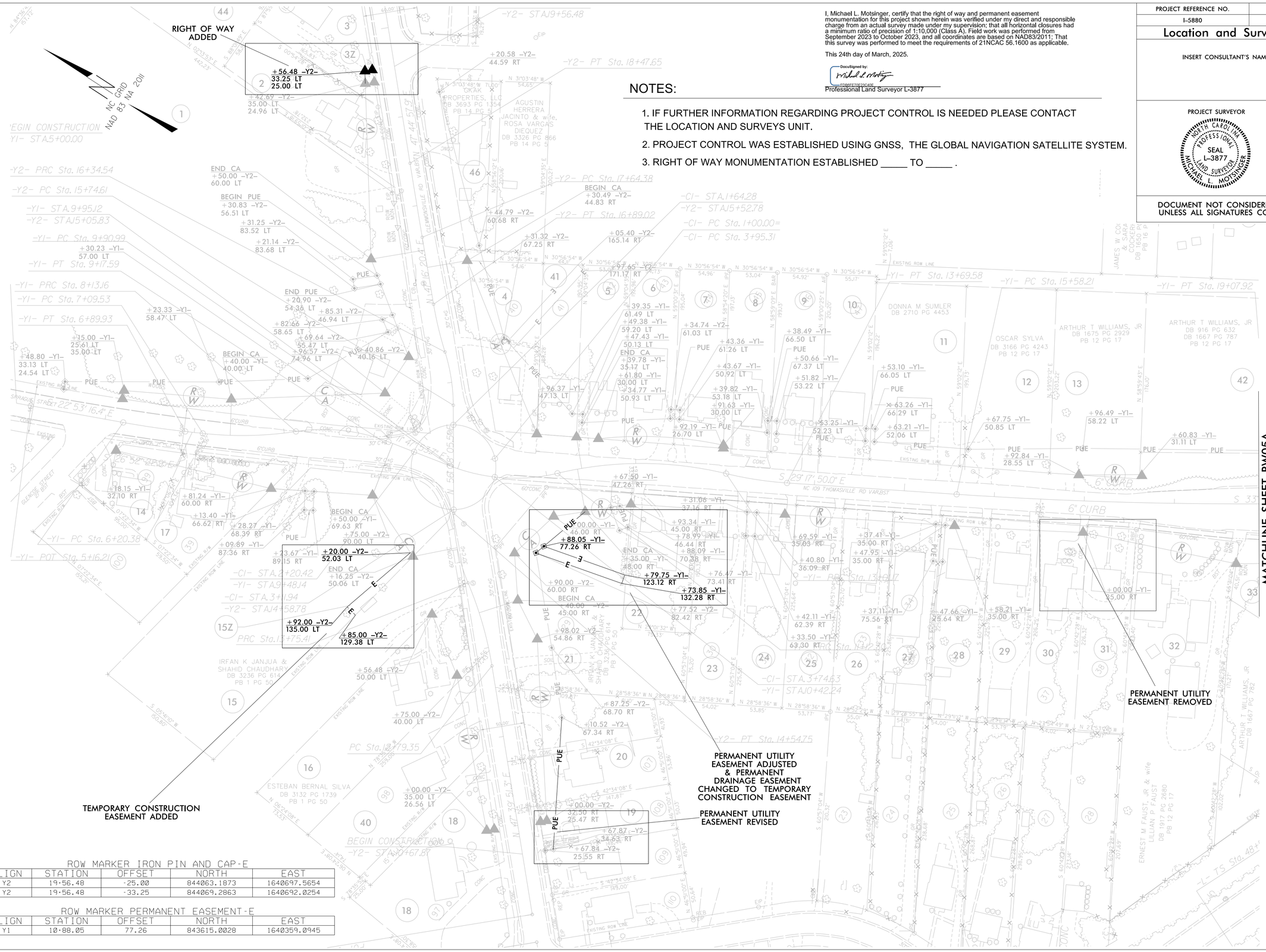
PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3877 LAND SURVEYOR MICHAEL L. MOTSINGER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

## NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED _____ TO _____ .




ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|---|---|---|---|---|
| Y2 | 19+56.48 | -25.00 | 844063.1873 | 1640697.5654 |
| Y2 | 19+56.48 | -33.25 | 844069.2863 | 1640692.0254 |

ROW MARKER PERMANENT EASEMENT-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|---|---|---|---|---|
| Y1 | 10+88.05 | 77.26 | 843615.0028 | 1640359.0945 |

$$$$SYTNE$$$$
$$$$SIGN$$$$
$$$$SUERNAME$$$$

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6/2/99

REVISIONS

# FOR ALIGNMENT CURVE DATA SEE SHEET RW07

I, J. Brett Abernathy, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 8/16/23 to 8/25/23, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 26th day of October, 2023.

DocuSigned by:
Brett Abernathy
Professional Land Surveyor L-4370

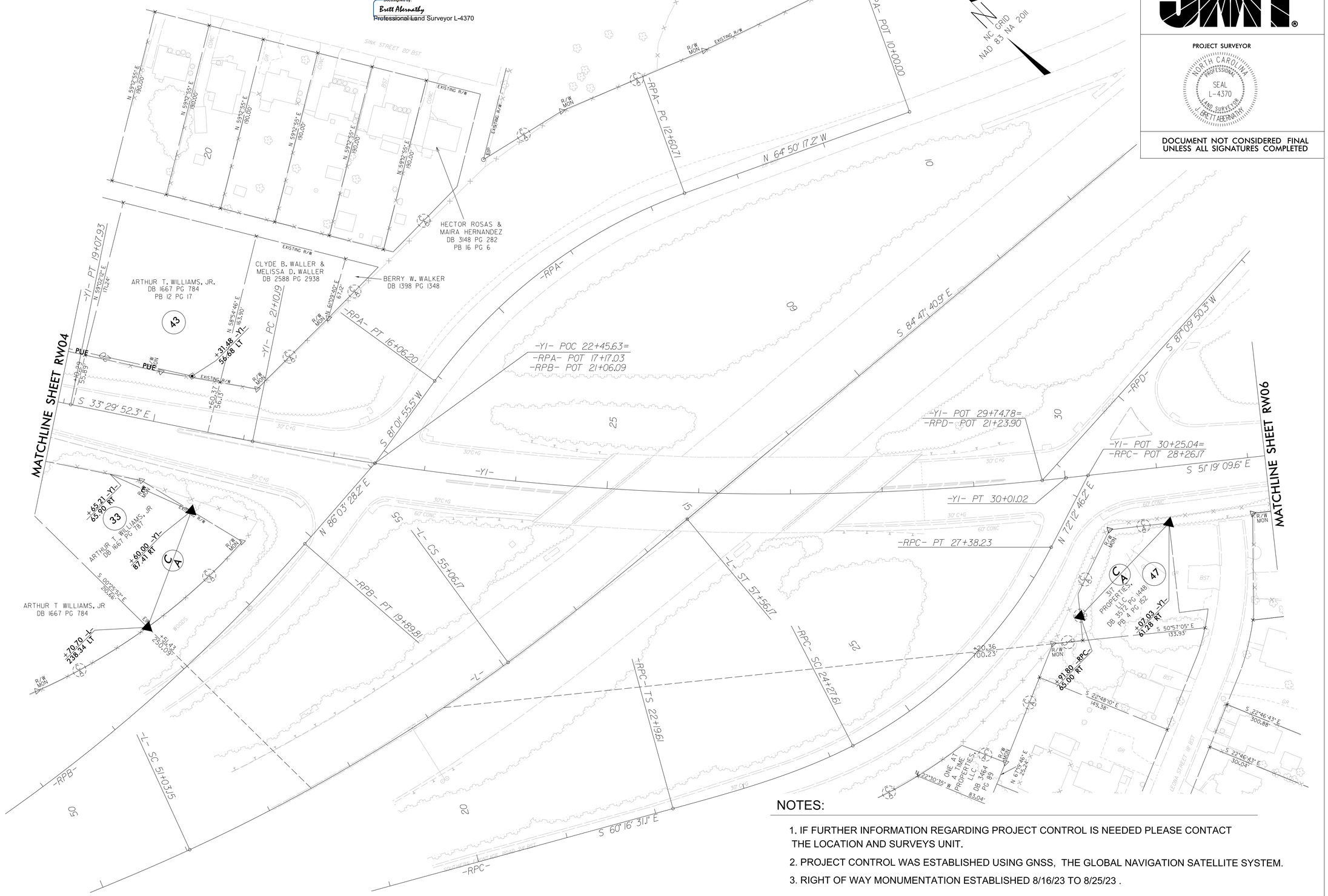
| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| I-5880 | RW05 |

Location and Surveys

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4370 LAND SURVEYOR J. BRETT ABERNATHY

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED




NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 8/16/23 TO 8/25/23 .

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jcgordon AT P40V 21H1-15

6/2/99

REVISIONS

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| I-5880 | RW05A |

## Location and Surveys

INSERT CONSULTANT'S NAME

I, Michael L. Motsinger, certify that the right of way and permanent easement monumentation for this project shown herein was verified under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from September 2023 to October 2023, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

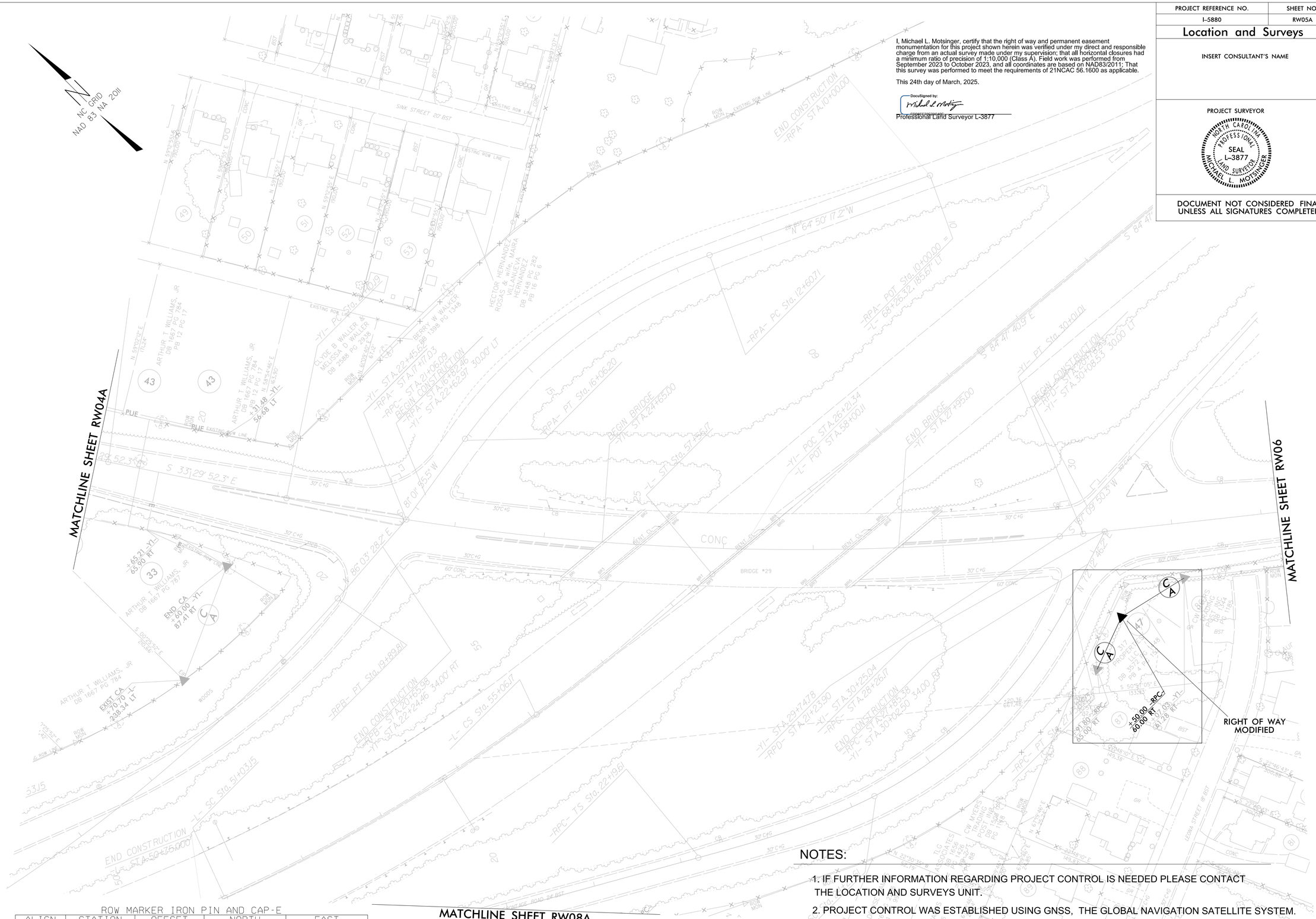
This 24th day of March, 2025.

DocuSigned by:
Michael L. Motsinger
Professional Land Surveyor L-3877

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3877 LAND SURVEYOR MICHAEL L. MOTSINGER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED




ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|---|---|---|---|---|
| RPC | 27+50.00 | 60.00 | 842045.3109 | 1641514.3822 |

## NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED _____ TO _____ .

$$$$$$$$SYSTIME$$$$
$$$$$$$$SIGN$$$$$$$$$$$$$$$$$$$$
$$$$$$$$USERNAME$$$$

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6/2/99

REVISIONS

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| I-5880 | RW06 |

Location and Surveys

PROJECT SURVEYOR

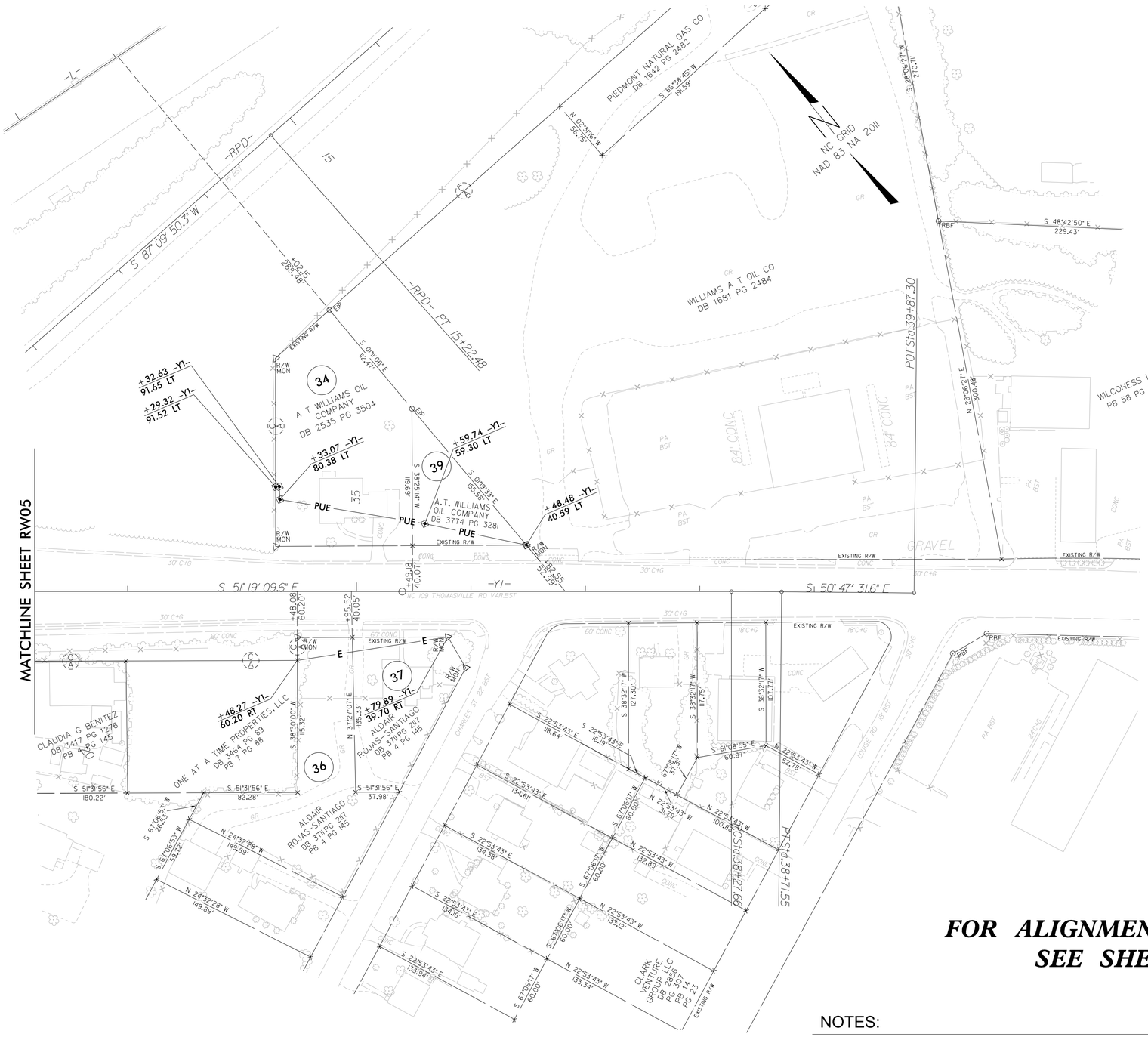
NORTH CAROLINA PROFESSIONAL SEAL L-4370 LAND SURVEYOR J. BRETT ABERNATHY

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, J. J. Brett Abernathy, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 8/16/23 to 8/25/23, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 26th day of October, 2023.

DocuSigned by:
Brett Abernathy
Professional Land Surveyor L-4370




***FOR ALIGNMENT CURVE DATA SEE SHEET RW07***

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 8/16/23 TO 8/25/23 .

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jcgordon AT P40V-2HI-15

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REVISIONS

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| I-5880 | RW07 |

Location and Surveys

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4370 LAND SURVEYOR J. BRETT ABERNATHY

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

# CURVE DATA

-Y1-

PI Sta 6+55.17
△ = 3° 59′ 06.5″ (LT)
D = 5° 43′ 46.5″
L = 69.55′
T = 34.79′
R = 1,000.00′

PI Sta 7+61.64
△ = 14° 50′ 35.8″ (LT)
D = 14° 19′ 26.2″
L = 103.63′
T = 52.10′
R = 400.00′

PI Sta 8+66.60
△ = 29° 55′ 05.0″ (RT)
D = 28° 38′ 52.4″
L = 104.43′
T = 53.44′
R = 200.00′

PI Sta 10+53.58
△ = 34° 45′ 09.7″ (LT)
D = 28° 38′ 52.4″
L = 121.31′
T = 62.59′
R = 200.00′

PI Sta 12+08.53
△ = 27° 03′ 10.5″ (RT)
D = 14° 19′ 26.2″
L = 188.87′
T = 96.23′
R = 400.00′

PI Sta 13+35.46
△ = 9° 47′ 57.2″ (LT)
D = 14° 19′ 26.2″
L = 68.41′
T = 34.29′
R = 400.00′

PI Sta 17+33.15
△ = 4° 12′ 02.2″ (LT)
D = 1° 12′ 04.2″
L = 349.71′
T = 174.93′
R = 4,770.00′

PI Sta 25+59.23
△ = 17° 49′ 17.3″ (LT)
D = 2° 00′ 02.0″
L = 890.83′
T = 449.04′
R = 2,864.00′

PI Sta 38+49.60
△ = 0° 31′ 38.0″ (RT)
D = 1° 12′ 04.2″
L = 43.89′
T = 21.95′
R = 4,770.00′

-Y2-

PI Sta 8+01.77
△ = 4° 30′ 31.8″ (LT)
D = 1° 20′ 53.3″
L = 334.45′
T = 167.31′
R = 4,250.00′

PI Sta 13+27.61
△ = 13° 45′ 35.6″ (LT)
D = 14° 19′ 26.2″
L = 96.06′
T = 48.26′
R = 400.00′

PI Sta 14+15.61
△ = 22° 43′ 49.9″ (RT)
D = 28° 38′ 52.4″
L = 79.34′
T = 40.20′
R = 200.00′

PI Sta 16+04.80
△ = 17° 10′ 00.4″ (LT)
D = 28° 38′ 52.4″
L = 59.92′
T = 30.19′
R = 200.00′

PI Sta 16+61.82
△ = 7° 48′ 15.2″ (RT)
D = 14° 19′ 26.2″
L = 54.48′
T = 27.28′
R = 400.00′

PI Sta 18+06.02
△ = 0° 28′ 37.5″ (RT)
D = 0° 34′ 22.6″
L = 83.27′
T = 41.63′
R = 10,000.00′

-L-

PIs Sta 50+19.85
Θs = 3° 34′ 51.6″
Ls = 250.00′
LT = 166.70′
ST = 83.36′

PI Sta 53+05.35
△ = 11° 32′ 44.1″ (LT)
D = 2° 51′ 53.2″
L = 403.02′
T = 202.19′
R = 2,000.00′

PIs Sta 55+89.53
Θs = 3° 34′ 51.6″
Ls = 250.00′
LT = 166.70′
ST = 83.36′

-RPA-

PI Sta 14+38.75
△ = 34° 07′ 47.3″ (LT)
D = 9° 52′ 42.9″
L = 345.49′
T = 178.04′
R = 580.00′

-RPB-

PI Sta 16+05.98
△ = 24° 32′ 58.2″ (LT)
D = 3° 08′ 53.2″
L = 779.81′
T = 395.98′
R = 1,820.00′

-RPC-

PIs Sta 23+58.59
Θs = 11° 55′ 03.1″
Ls = 208.00′
LT = 138.98′
ST = 69.62′

PI Sta 25+88.11
△ = 35° 35′ 39.6″ (LT)
D = 11° 27′ 33.0″
L = 310.62′
T = 160.51′
R = 500.00′

-RPD-

PI Sta 13+60.90
△ = 0° 15′ 42.3″ (LT)
D = 0° 04′ 51.6″
L = 323.15′
T = 161.58′
R = 70,732.96′

I, J. Brett Abernathy, PLS, certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

This 26th day of October, 2023.

DocuSigned by:
Brett Abernathy
B-D9BE7C7C4B4B3...
Professional Land Surveyor L-4370

## NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

2. THE PROPOSED ALIGNMENT CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATINO REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

30-OCT-2023 10:13
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jcgordon AT P40V-2(H)-15

6/2/99

REVISIONS

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| I-5880 | RW08A |

## Location and Surveys

INSERT CONSULTANT'S NAME

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3877 LAND SURVEYOR MICHAEL L. MOTSINGER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

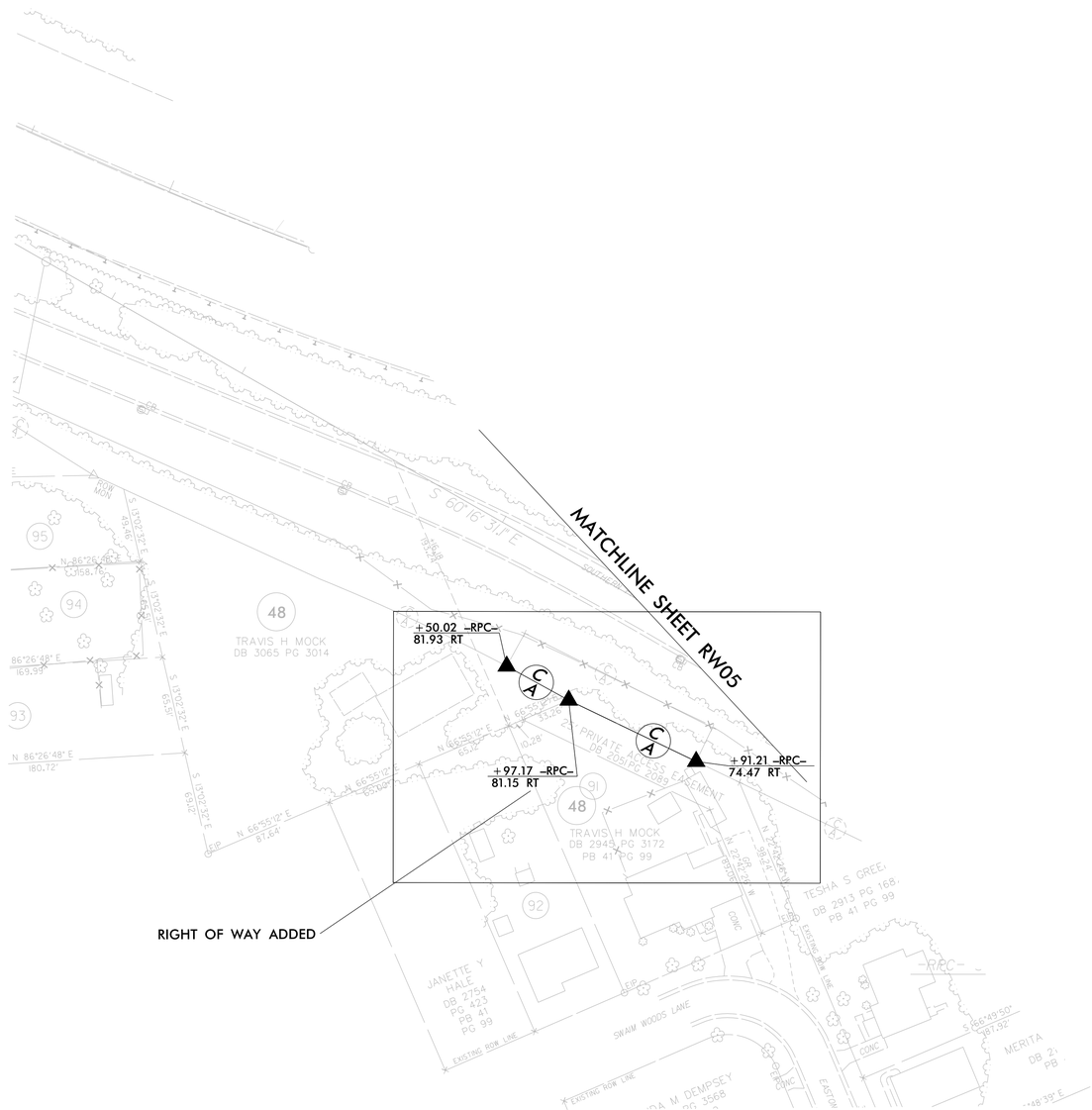
NC GRID
NAD 83 NA 2011

I, Michael L. Motsinger, certify that the right of way and permanent easement monumentation for this project shown herein was verified under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1;10,000 (Class A). Field work was performed from September 2023 to October 2023, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of March, 2025.

DocuSigned by:
FDB6FE70E23C40E...

Professional Land Surveyor L-3877




ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|---|---|---|---|---|
| RPC | 19+50.02 | 81.93 | 842251.6232 | 1640717.4732 |
| RPC | 19+97.17 | 81.15 | 842228.9246 | 1640758.8123 |
| RPC | 20+91.21 | 74.47 | 842188.0974 | 1640843.7872 |

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED _____ TO _____ .

$$$$SYSTIME$$$$
$$$$LOGIN$$$$
$$$$USERNAME$$$$