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6/2/99

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW22

Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

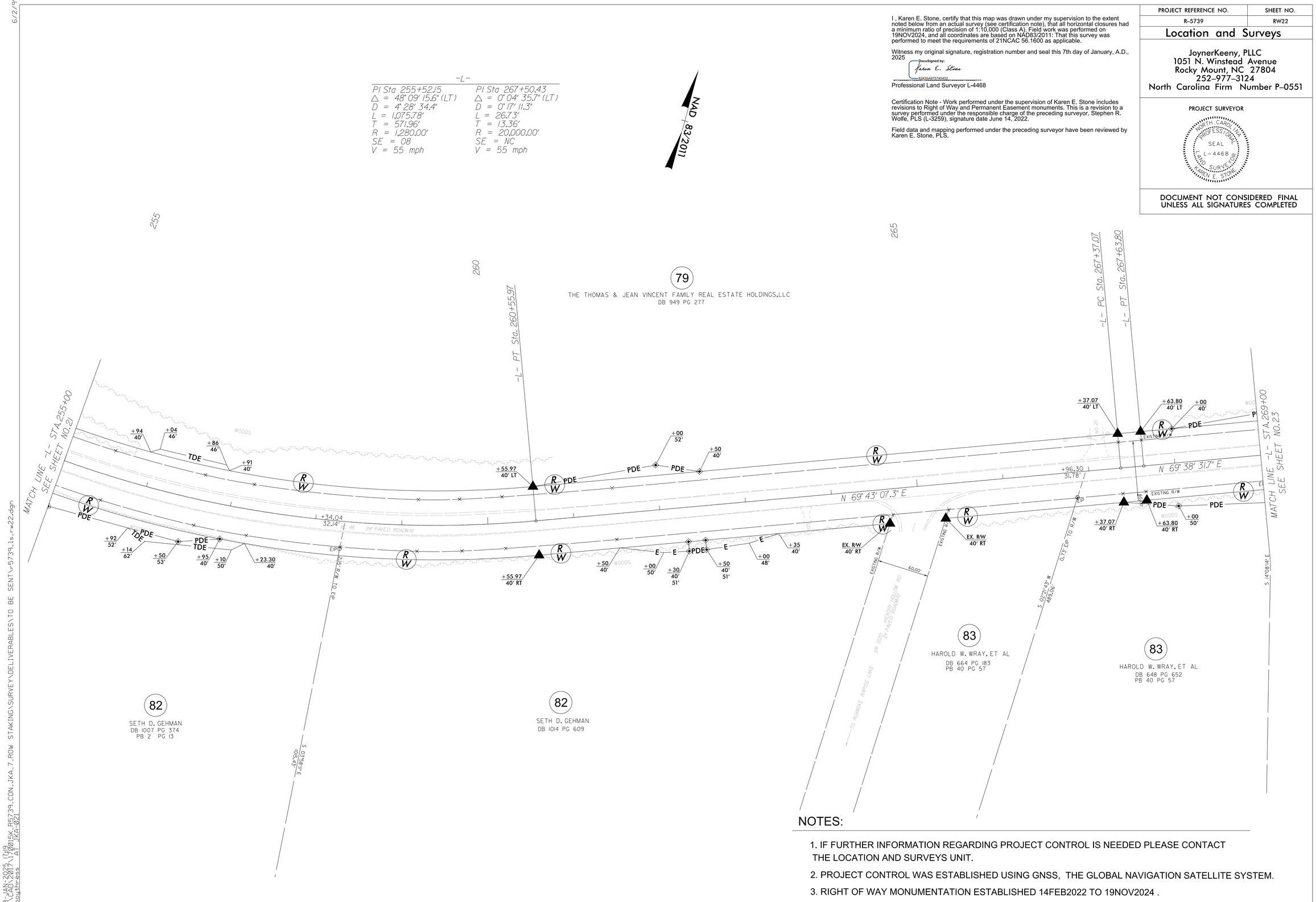
Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
5243549757454 52

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.



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 14FEB2022 TO 19NOV2024 .

08-JAN-2025 17:10
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rpothress AT JKA-021

Docusign Envelope ID: BF758CAC-60C3-4334-A1C1-F4FD43E3DB09

6/2/99

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW23

Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

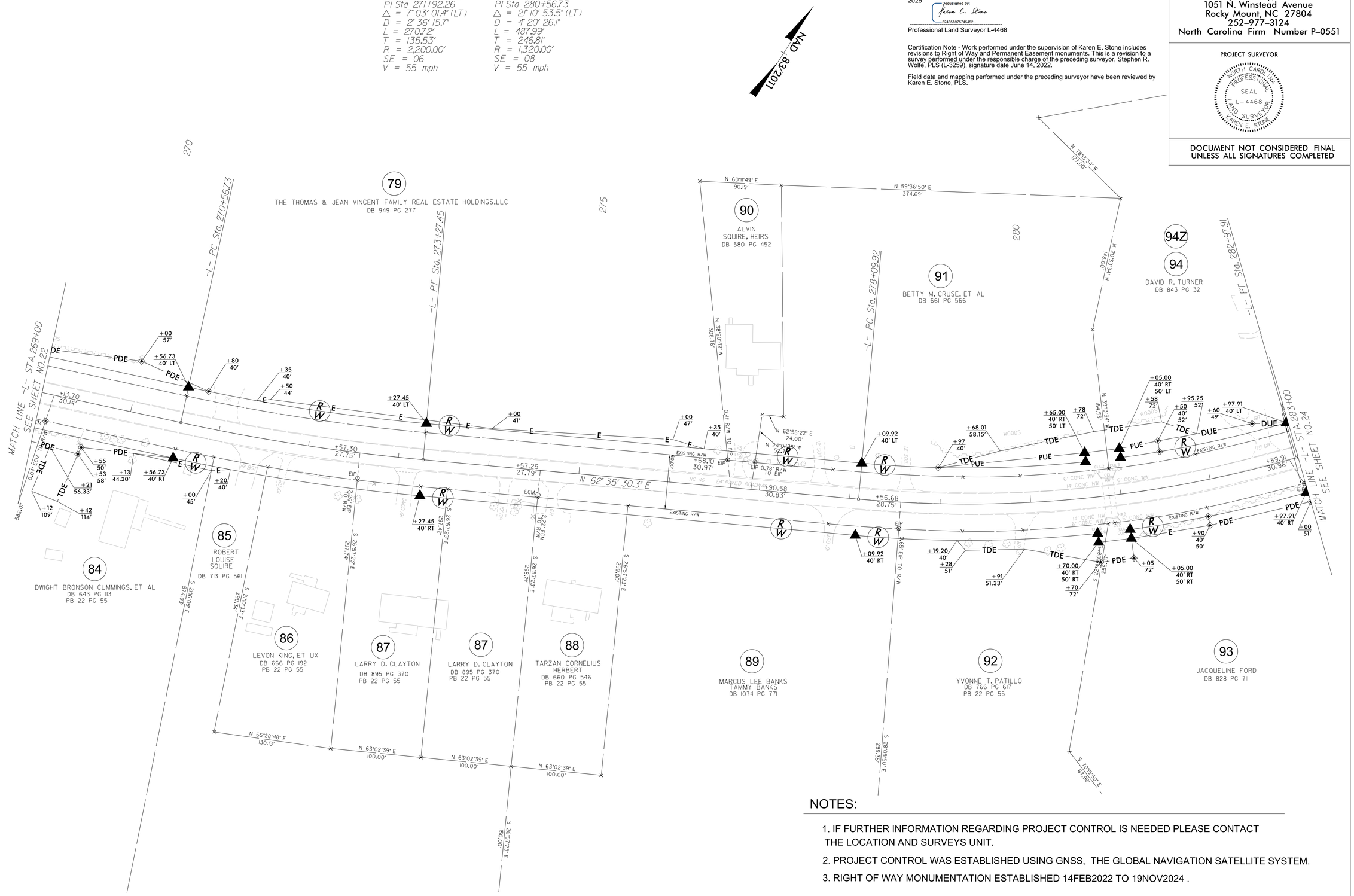
Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by: Karen E. Stone
B243SA975745452...

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.



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 14FEB2022 TO 19NOV2024 .

08-JAN-2025 17:21
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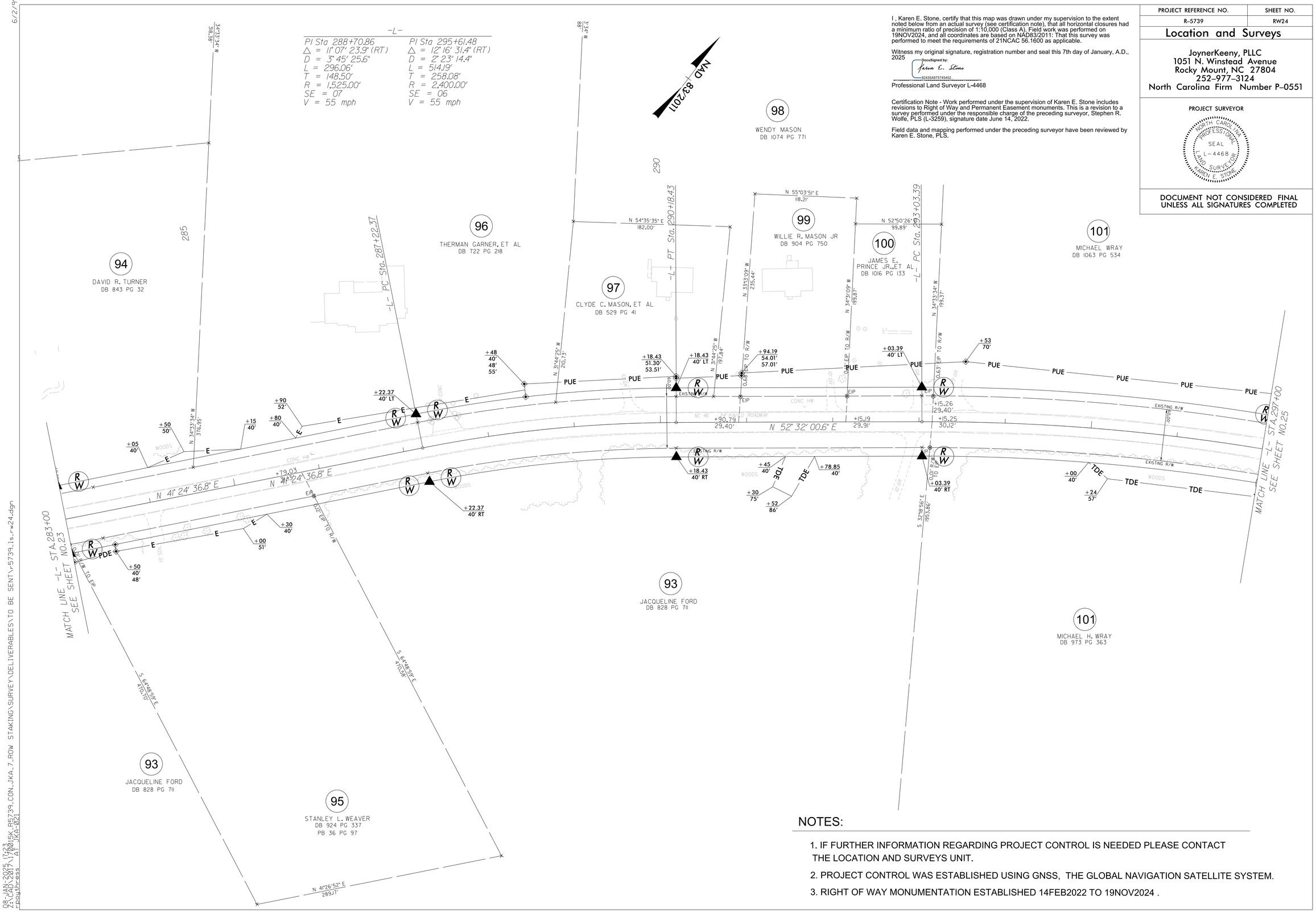
rpouthress AT JKA-021

Docusign Envelope ID: BF758CAC-60C3-4334-A1C1-F4FD43E3DB09

6/2/99

-L-

PI Sta 288+70.86	PI Sta 295+61.48
△ = 11° 07' 23.9" (RT)	△ = 12° 16' 31.4" (RT)
D = 3° 45' 25.6"	D = 2° 23' 14.4"
L = 296.06'	L = 514.19'
T = 148.50'	T = 258.08'
R = 1,525.00'	R = 2,400.00'
SE = 07	SE = 06
V = 55 mph	V = 55 mph



I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
B2435A97574545Z...

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW24

Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

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 14FEB2022 TO 19NOV2024 .

08-JAN-2025 17:23
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rpoythress AT JKA-021

Docusign Envelope ID: BF758CAC-60C3-4334-A1C1-F4FD43E3DB09

6/2/99

-L-

PI Sta 295+61.48	PI Sta 311+89.87
△ = 12° 16′ 31.4″ (RT)	△ = 0° 53′ 30.1″ (RT)
D = 2° 23′ 14.4″	D = 0° 28′ 38.9″
L = 514.19′	L = 186.76′
T = 258.08′	T = 93.38′
R = 2,400.00′	R = 12,000.00′
SE = 06	SE = NC
V = 55 mph	V = 55 mph

NAD 83/2011

I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
82435A975745452...

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW25

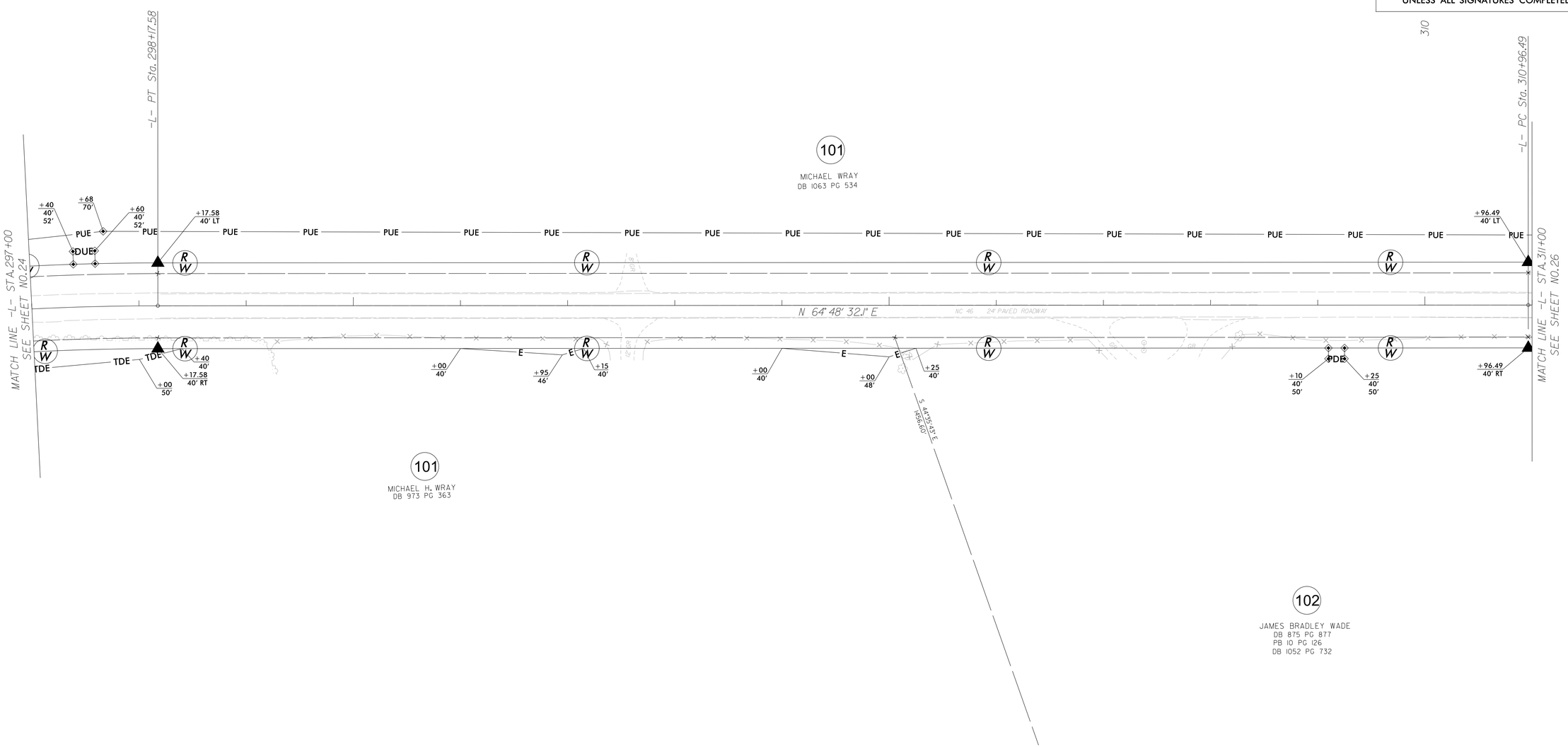
Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

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 14FEB2022 TO 19NOV2024 .

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PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW26

Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 22FEB2022, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 13th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
Professional Land Surveyor L-4468

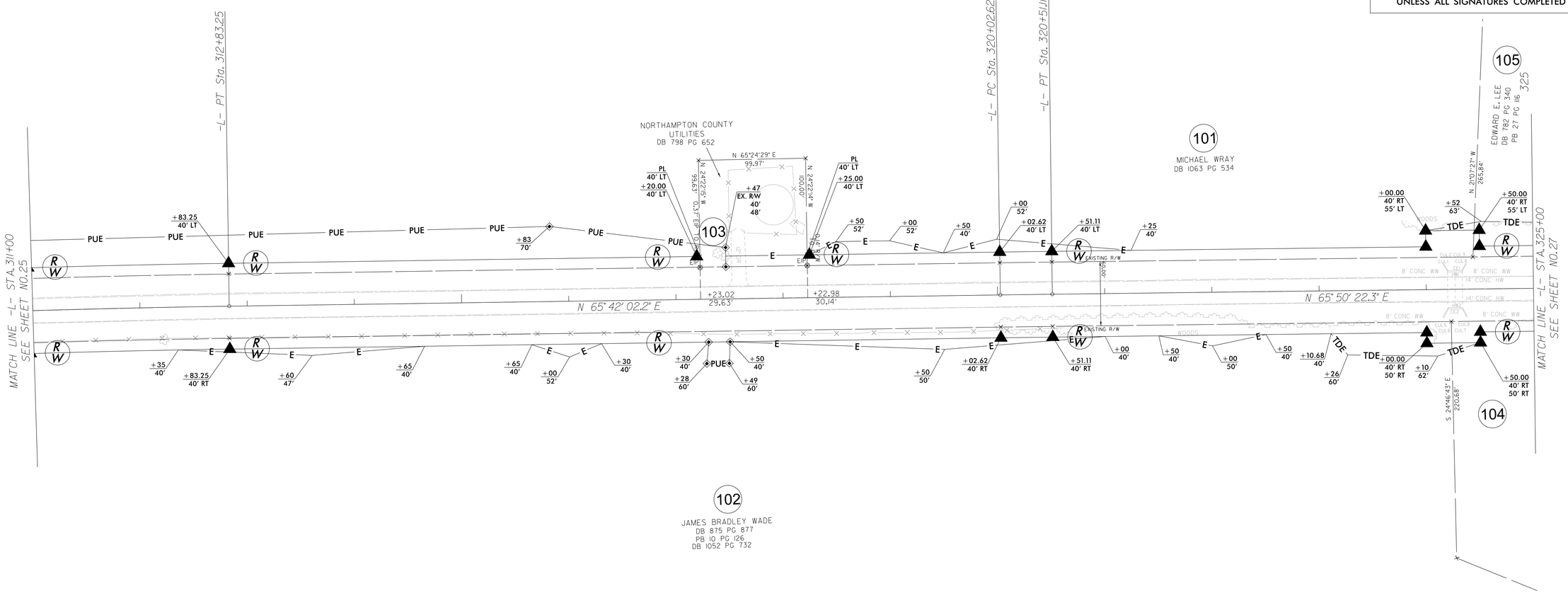
Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data, traverse adjustment, and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

-L-

PI Sta 311+89.87	PI Sta 320+26.86
△ = 0° 53' 30.1" (RT)	△ = 0° 08' 20.1" (RT)
D = 0° 28' 38.9"	D = 0° 17' 11.3"
L = 186.76'	L = 48.49'
T = 93.38'	T = 24.24'
R = 12,000.00'	R = 20,000.00'
SE = NC	SE = NC
V = 55 mph	V = 55 mph

NAD 83/2011



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 14FEB2022 TO 19NOV2024 .

13-JAN-2025 11:34
23-JAN-2025 11:20
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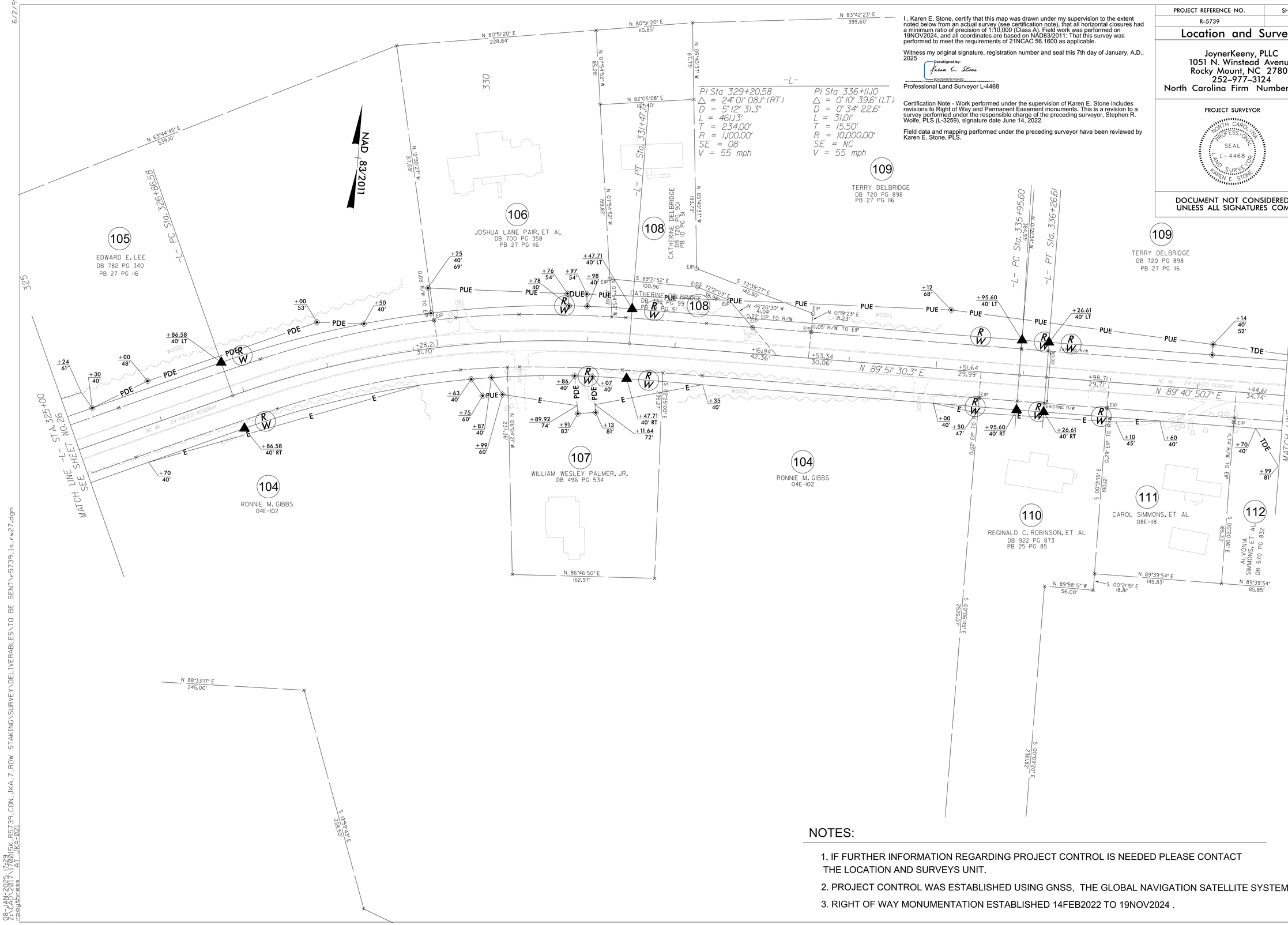

I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
9243569757454F2...

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW27

Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

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 14FEB2022 TO 19NOV2024 .

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08-JAN-2025 17:29
V:\2017\1700015K_R5739_CON_JKA_7_ROW STAKING\SURVEY\DELIVERABLES\TO BE SENT\r5739_ls_rw27.dgn
rpouthress AT JKA-021

Docusign Envelope ID: BF758CAC-60C3-4334-A1C1-F4FD43E3DB09

6/2/99

I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
E241A4A27A4A4D...

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW28

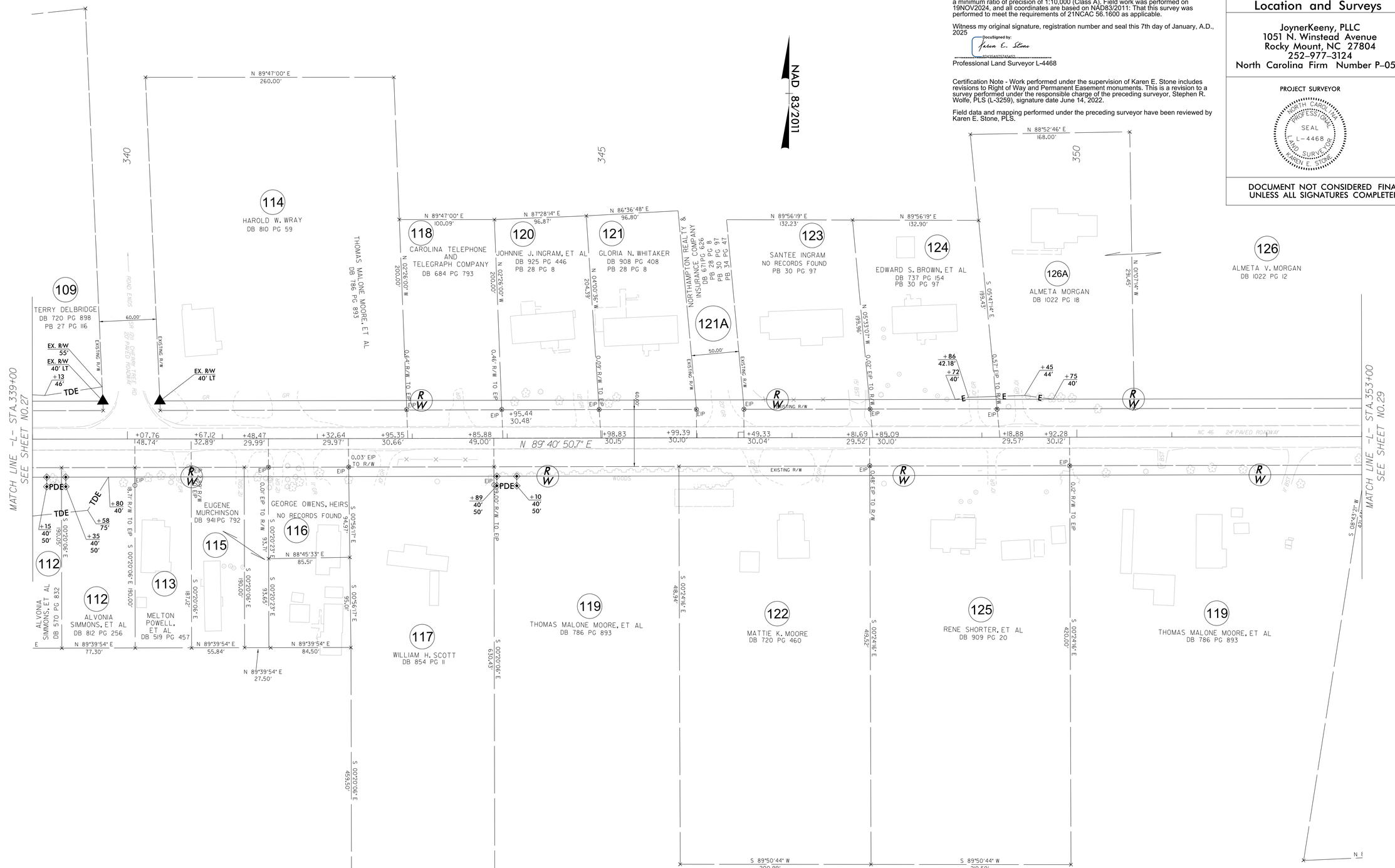
Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

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 14FEB2022 TO 19NOV2024 .

08-JAN-2025 17:32
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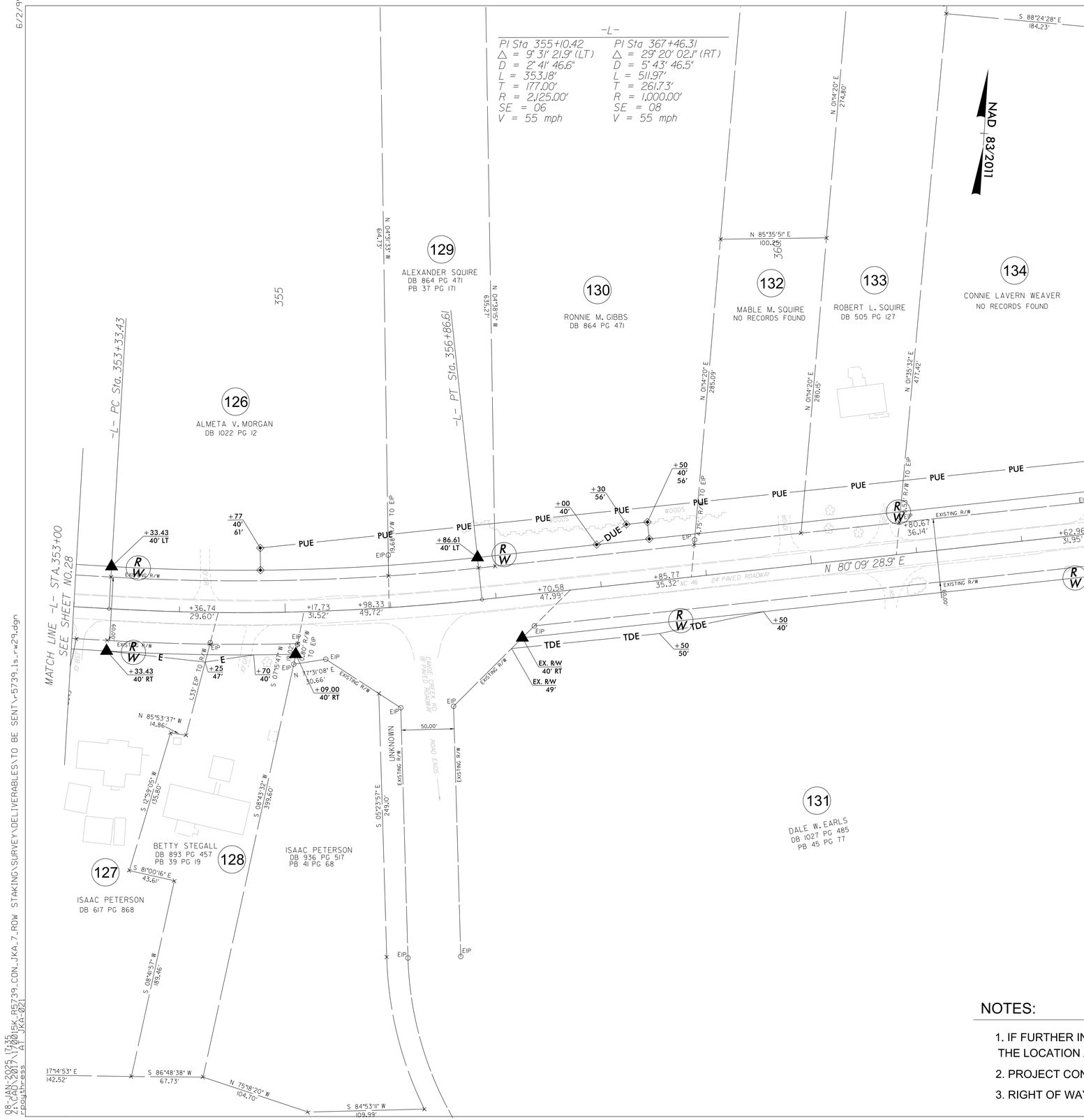

I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
1A9BA4D8E4E4D...

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW29

Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

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 14FEB2022 TO 19NOV2024 .

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08-JAN-2025 17:35
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rpoythress AT JKA-021

Docusign Envelope ID: BF758CAC-60C3-4334-A1C1-F4FD43E3DB09

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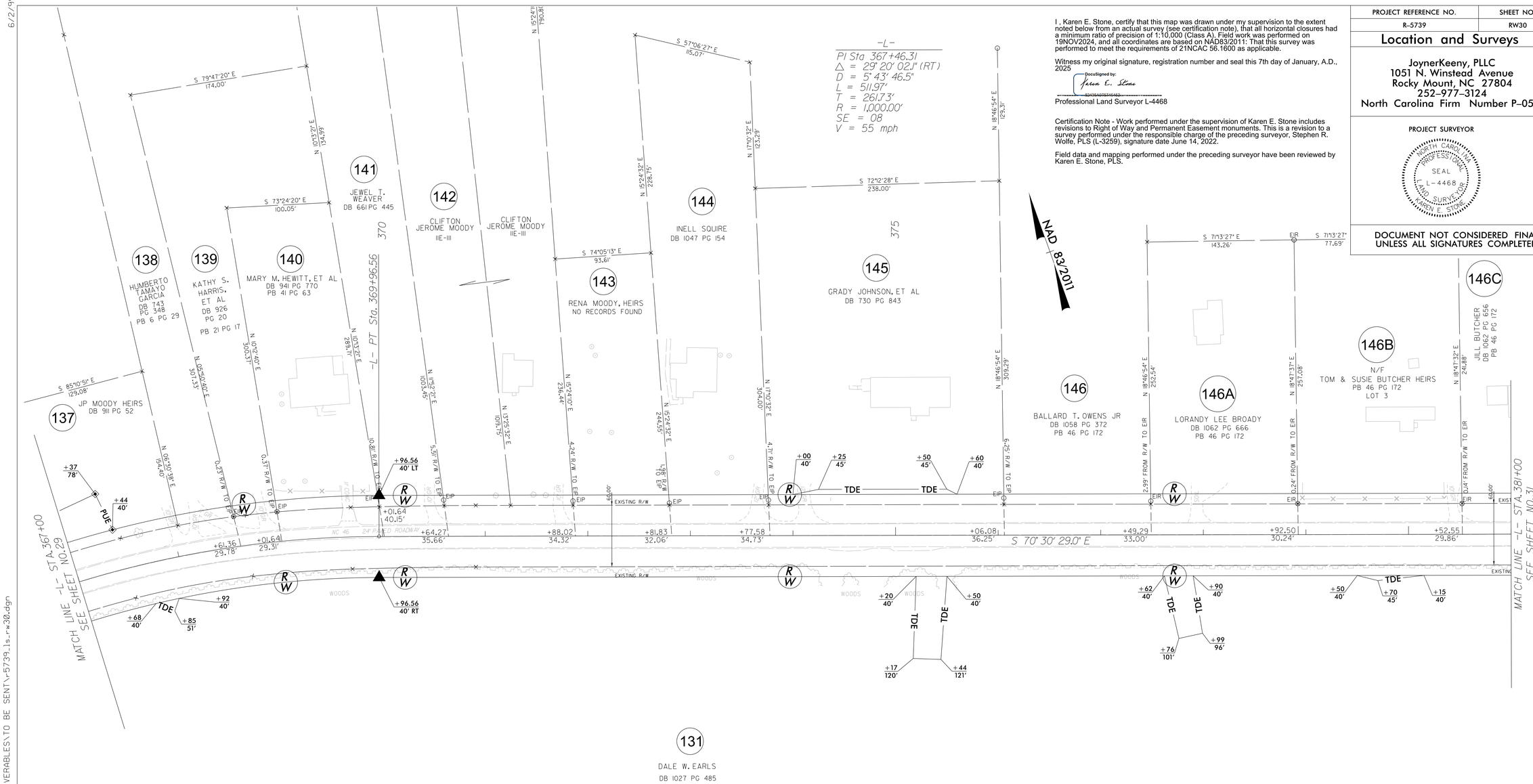

I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
B3A1A4D5374448...

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW30

Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

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 14FEB2022 TO 19NOV2024 .

08-JAN-2025 17:36
R:\Projects\R5739_CON_JKA_7_ROW STAKING\SURVEY\DELIVERABLES\TO BE SENT\r5739_ls_rw30.dgn
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Docusign Envelope ID: BF758CAC-60C3-4334-A1C1-F4FD43E3DB09

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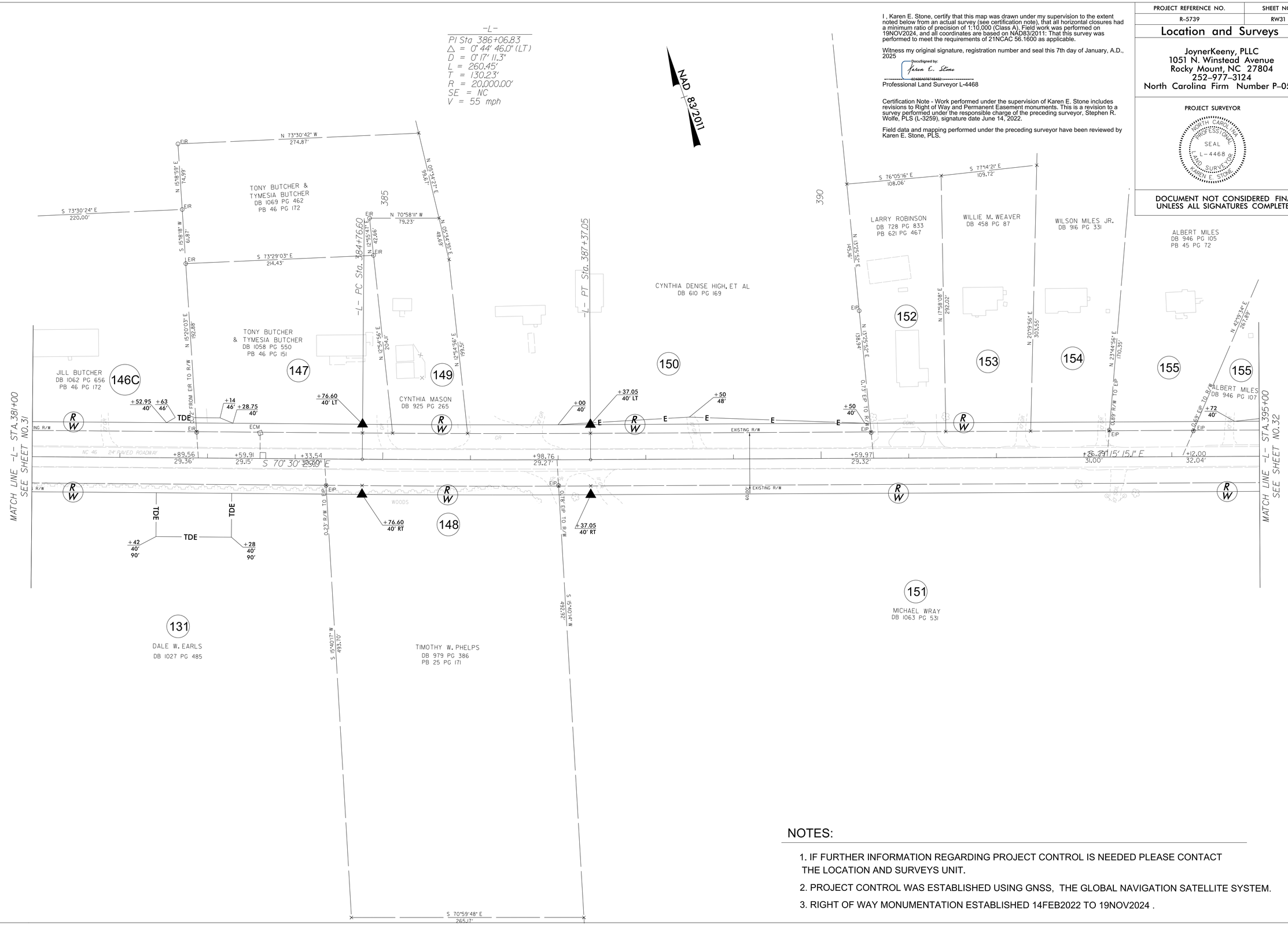
-L-
PI Sta 386+06.83
△ = 0° 44' 46.0" (LT)
D = 0° 17' 11.3"
L = 260.45'
T = 130.23'
R = 20,000.00'
SE = NC
V = 55 mph



I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
B2A8A4A7974E4A2...

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW31

Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

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 14FEB2022 TO 19NOV2024 .

08-JAN-2025 17:38
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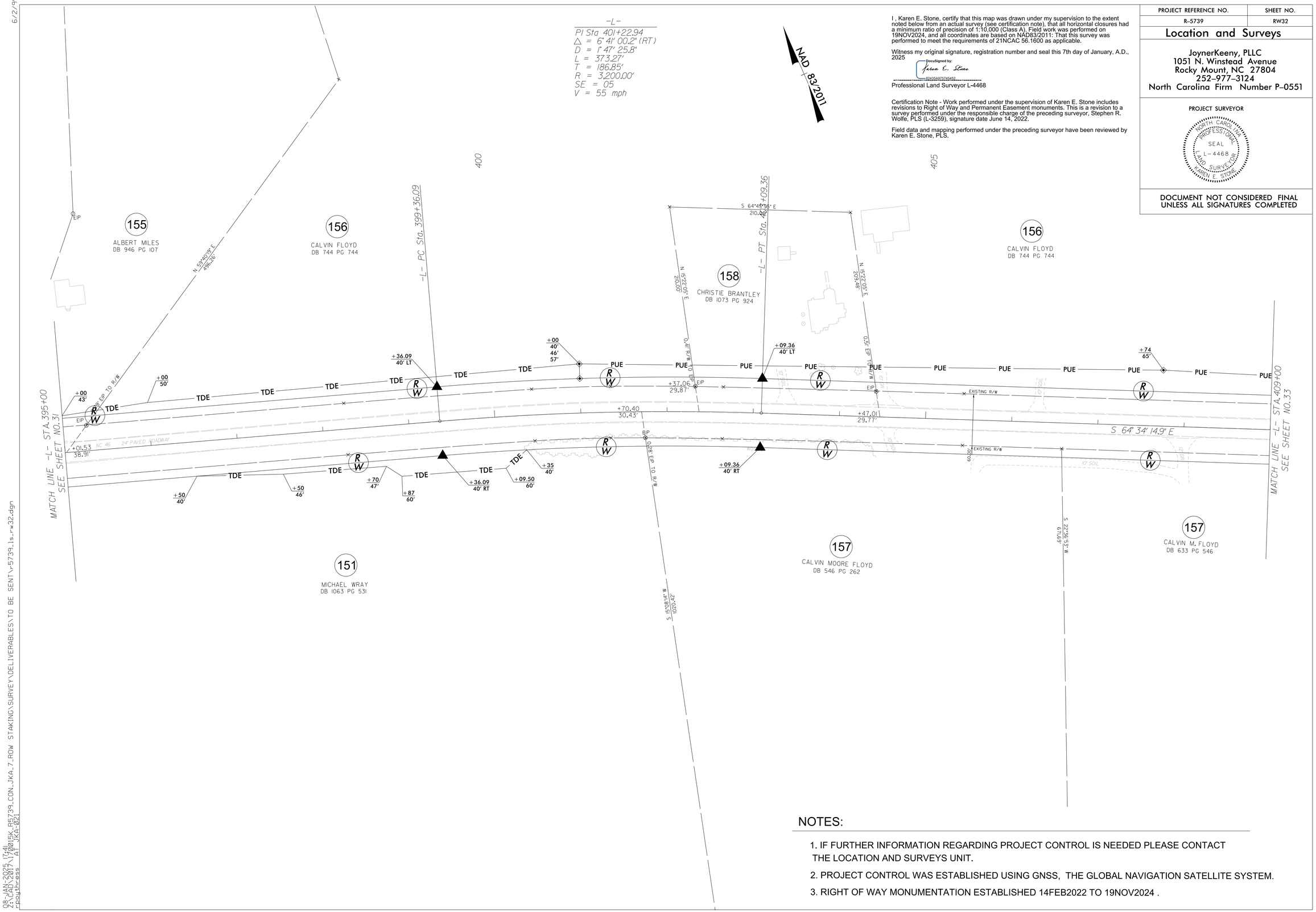


I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
B2435A925745452...

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW32

Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

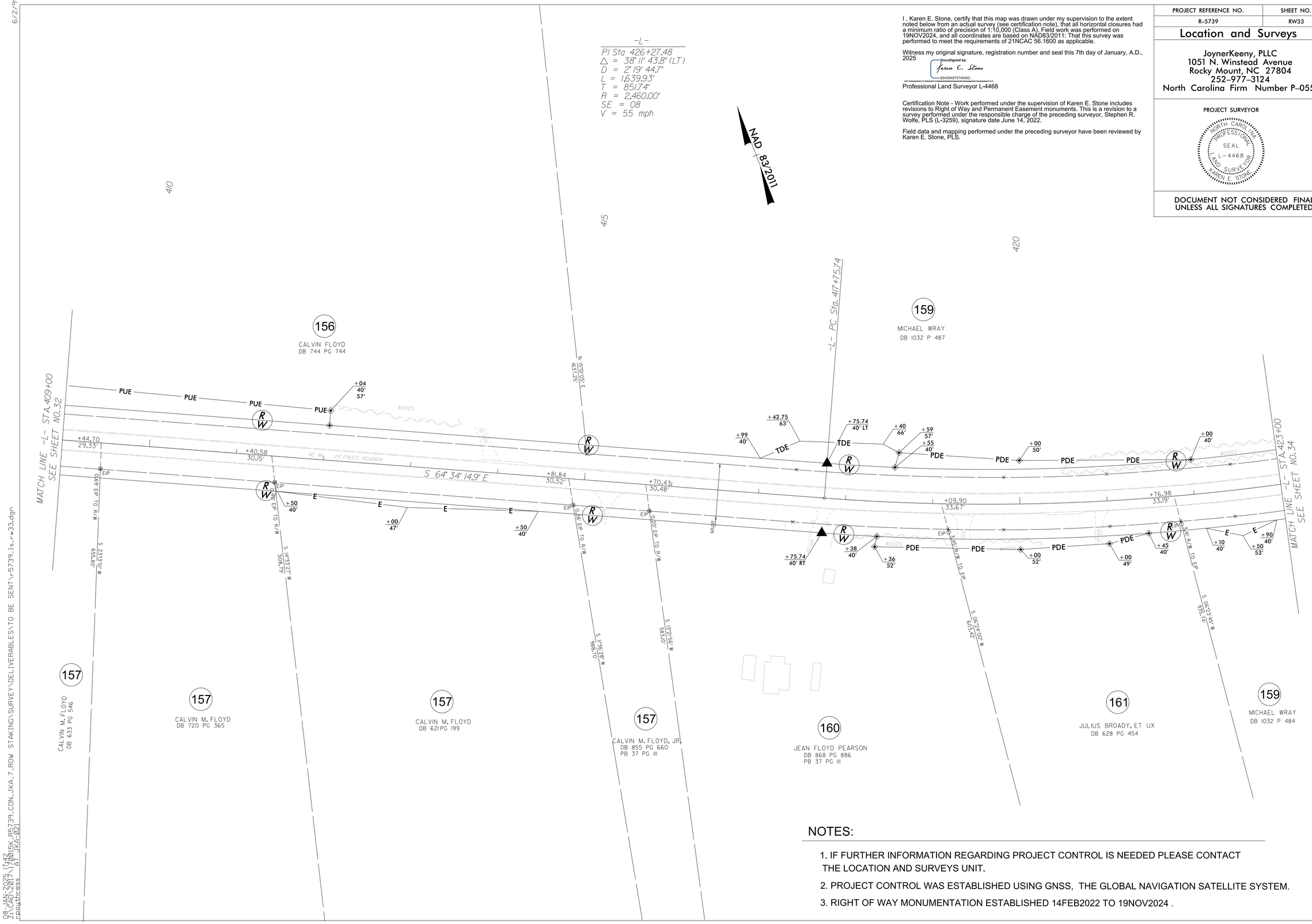
NOTES:

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 14FEB2022 TO 19NOV2024 .

08-JAN-2025 17:41
R-5739_CON_JKA_7_ROW STAKING\SURVEY\DELIVERABLES\TO BE SENT\r5739_ls_rw32.dgn
rpoutress
JKA-021

Docusign Envelope ID: BF758CAC-60C3-4334-A1C1-F4FD43E3DB09

6/2/99



I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
-82435A975745452...

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW33

Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

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 14FEB2022 TO 19NOV2024 .

08-JAN-2025 17:40
R5739_CON_JKA_7_ROW STAKING\SURVEY\DELIVERABLES\TO BE SENT\r-5739_1s_rw33.dgn
rpoutness
AT JKA-021

Docusign Envelope ID: BF758CAC-60C3-4334-A1C1-F4FD43E3DB09

6/2/99

-L-
PI Sta. 426+27.48
△ = 38° 11' 43.8" (LT)
D = 2° 19' 44.7"
L = 1,639.93'
T = 851.74'
R = 2,460.00'
SE = 08
V = 55 mph

I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
82485A0787444E2...

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW34

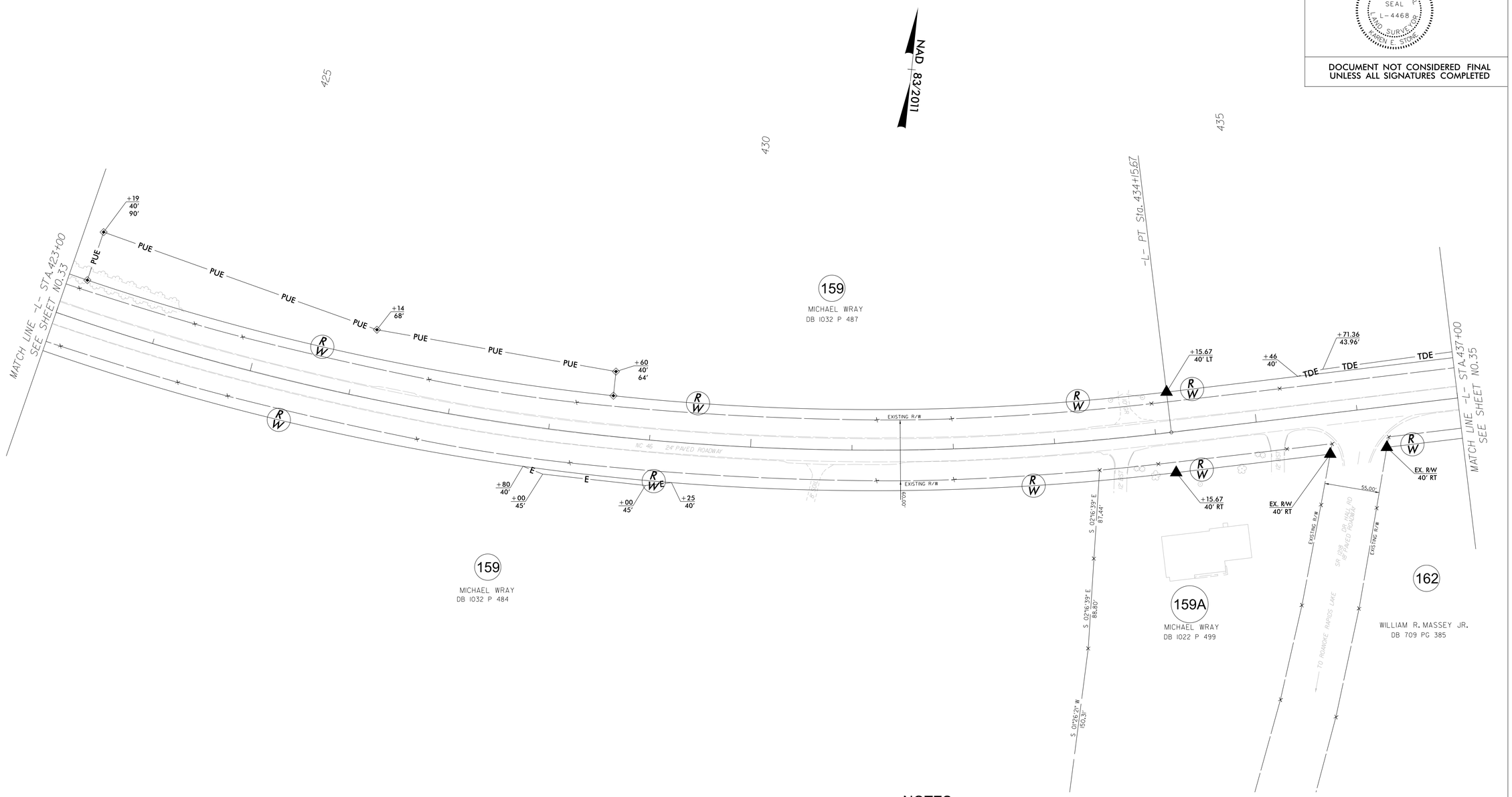
Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

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 14FEB2022 TO 19NOV2024 .

08-JAN-2025 17:44
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rpoutness AT JKA-021

Docusign Envelope ID: 52301AB8-28DF-4359-BAA6-7A7F578E386E

6/2/99

-L-

PI Sta 439+12.93	PI Sta 451+90.14
△ = 0° 12' 14.2" (LT)	△ = 18° 45' 19.8" (RT)
D = 0° 34' 22.6"	D = 5° 33' 45.7"
L = 35.59'	L = 337.17'
T = 17.80'	T = 170.10'
R = 10,000.00'	R = 1,030.00'
SE = NC	SE = 08
V = 55 mph	V = 55 mph

I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 22FEB2022, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 13th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
B3A35A2575A5412...

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data, traverse adjustment, and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW35

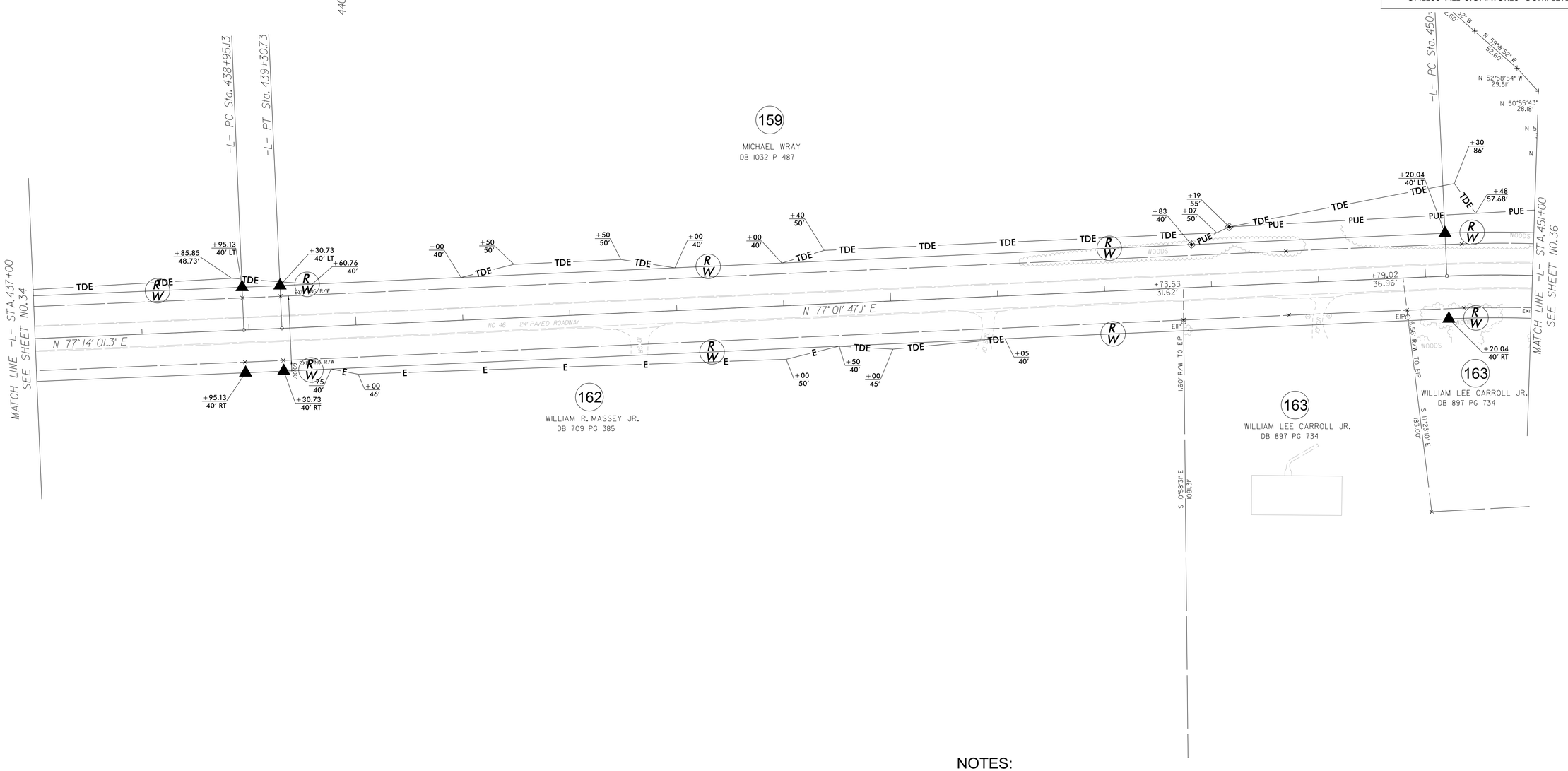
Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

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 14FEB2022 TO 19NOV2024 .

13-JAN-2025 11:38
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JKA-042

Docusign Envelope ID: BF758CAC-60C3-4334-A1C1-F4FD43E3DB09

6/2/99

-L-

PI Sta 451+90.14	PI Sta 463+25.34
△ = 18° 45' 19.8" (RT)	△ = 8° 15' 20.1" (RT)
D = 5° 33' 45.7"	D = 1° 54' 35.5"
L = 337.17'	L = 432.26'
T = 170.10'	T = 216.51'
R = 1,030.00'	R = 3,000.00'
SE = 08	SE = 05
V = 55 mph	V = 55 mph

I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
B243A97574542...

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW36

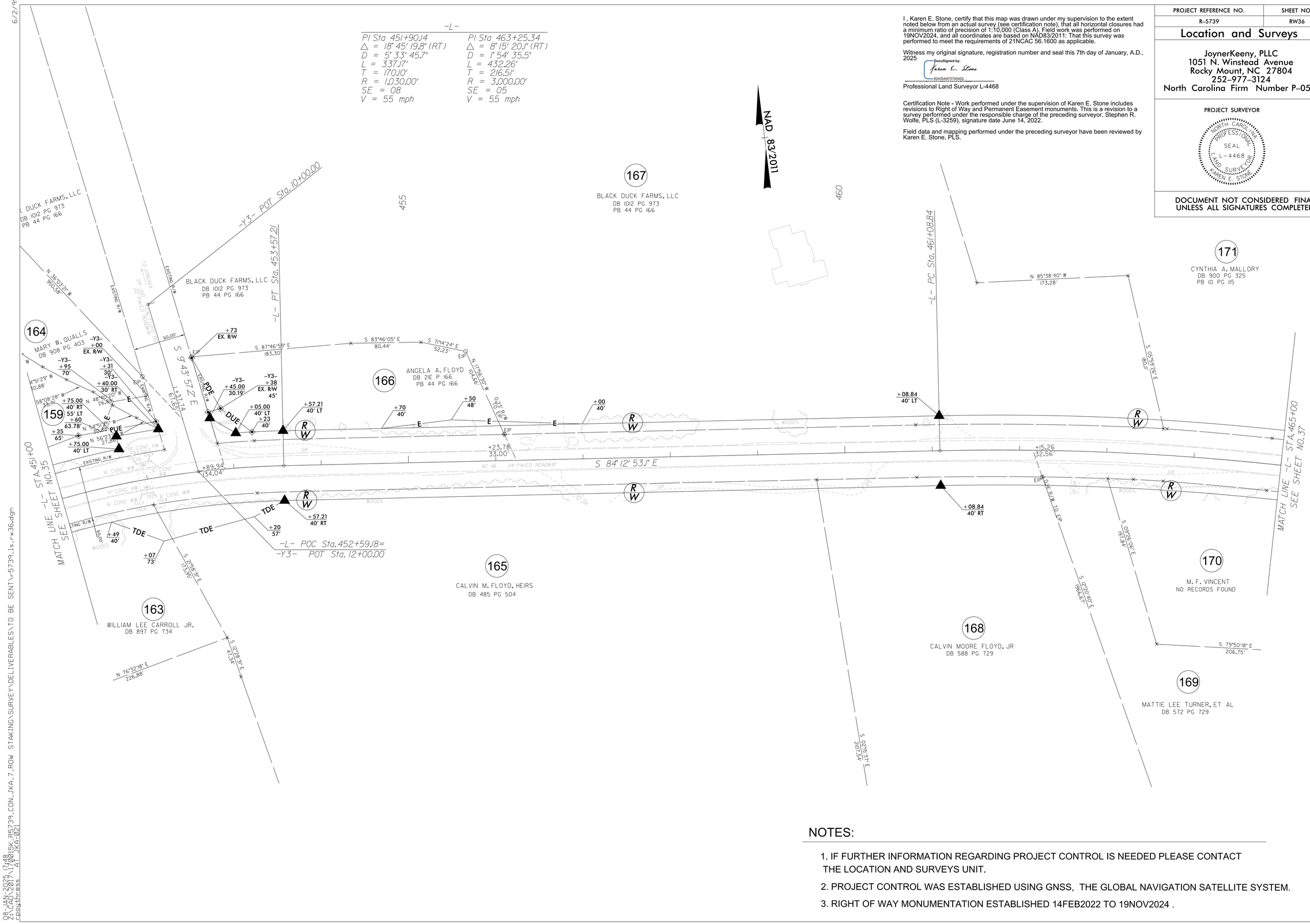
Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

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 14FEB2022 TO 19NOV2024 .

08-JAN-2025 17:48
R:\CAD\2017\17015K_R5739_CON_JKA_7_ROW STAKING\SURVEY\DELIVERABLES\TO BE SENT\r-5739_ls_rw36.dgn
rpoythress AT JKA-021

Docusign Envelope ID: BF758CAC-60C3-4334-A1C1-F4FD43E3DB09

6/2/99

-L-

PI Sta 463+25.34
△ = 8° 15' 20.1" (RT)
D = 1° 54' 35.5"
L = 432.26'
T = 216.51'
R = 3,000.00'
SE = 05
V = 55 mph

PI Sta 477+04.57
△ = 0° 08' 53.9" (RT)
D = 0° 22' 55.1"
L = 38.83'
T = 19.41'
R = 15,000.00'
SE = NC
V = 55 mph

NAD 83/2011

I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
9243549574545 2

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW37

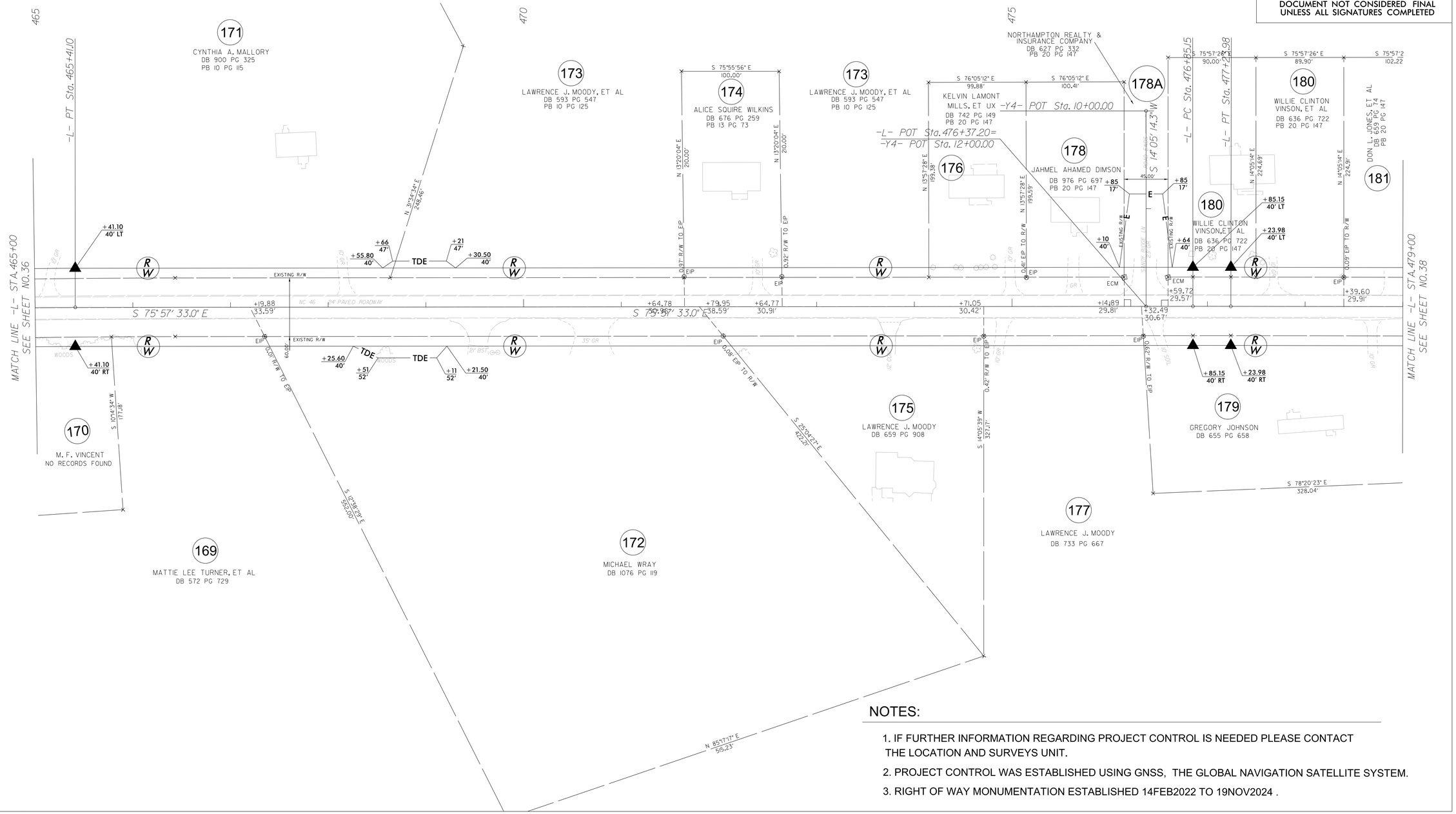
Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



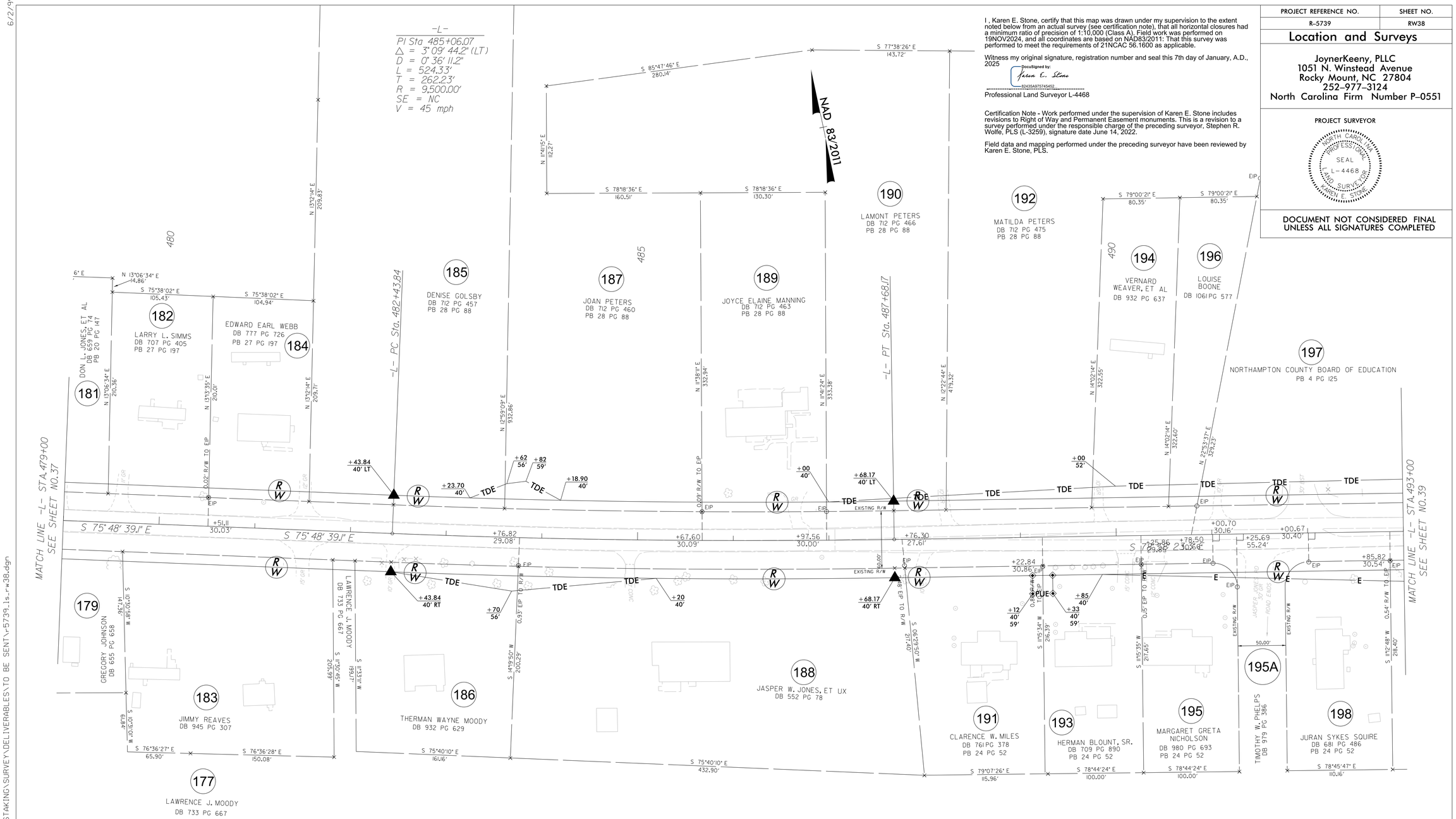
NOTES:

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 14FEB2022 TO 19NOV2024 .

08-JAN-2025 17:50
28-JAN-2025 17:00
rpouthress
R5739_CON_JKA_7_ROW STAKING\SURVEY\DELIVERABLES\TO BE SENT\r5739_ls_rw37.dgn
AT JKA-021

Docusign Envelope ID: BF758CAC-60C3-4334-A1C1-F4FD43E3DB09

6/2/99



I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
B2435A9757454452

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

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 14FEB2022 TO 19NOV2024 .

08-JAN-2025 17:52
C:\OpenRoads 2017\Projects\15K_R5739_CON_JKA_7_ROW STAKING\SURVEY\DELIVERABLES\TO BE SENT\r-5739_ls_rw38.dgn
rpoythress AT JKA-021

Docusign Envelope ID: BF758CAC-60C3-4334-A1C1-F4FD43E3DB09

I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
924356975745452

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW39

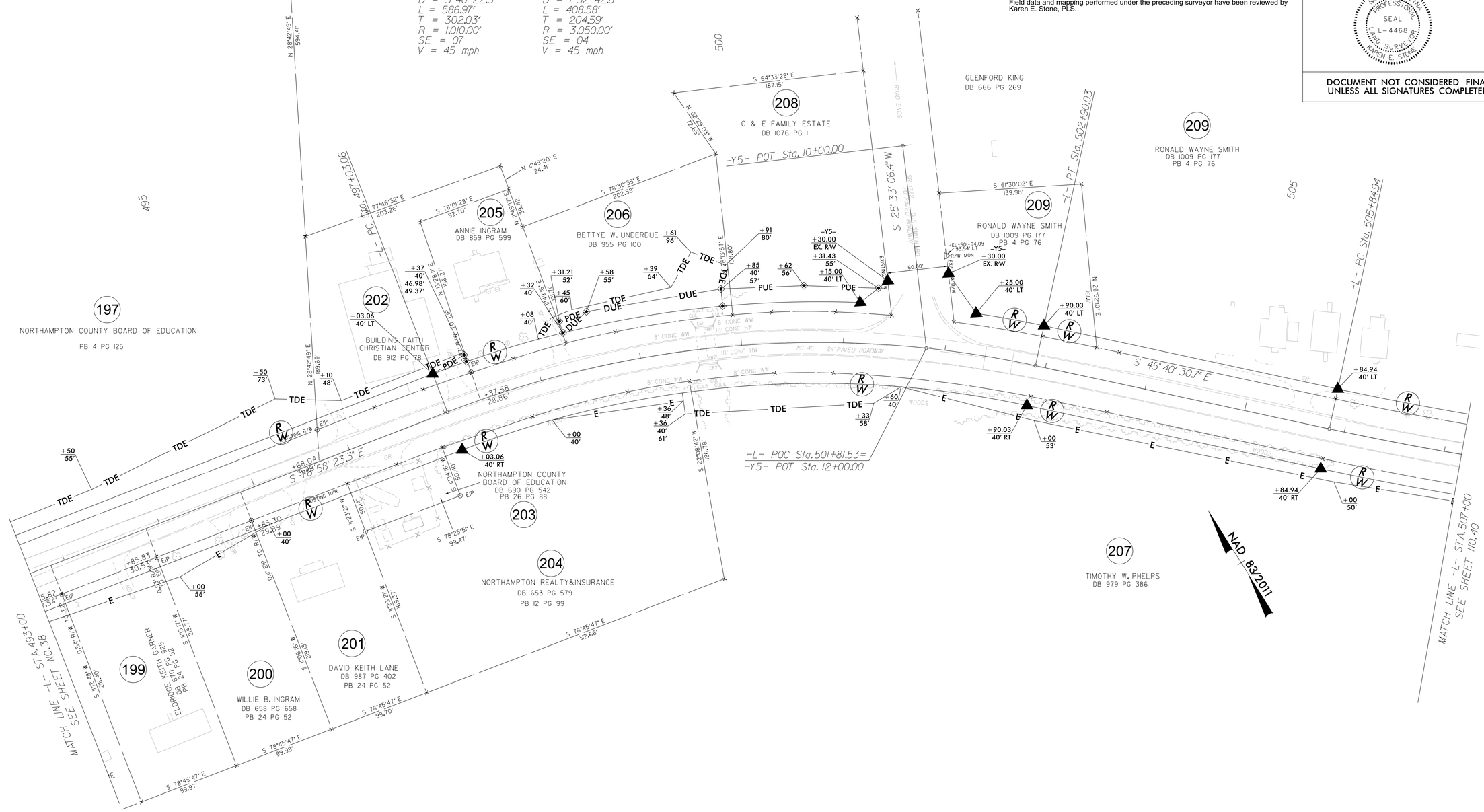
Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

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 14FEB2022 TO 19NOV2024 .

08-JAN-2025 17:54
R:\CAD\2017\17015K_R5739_CON_JKA_7_ROW STAKING\SURVEY\DELIVERABLES\TO BE SENT\r-5739_ls_rw39.dgn
rpoutness A1 JKA-021

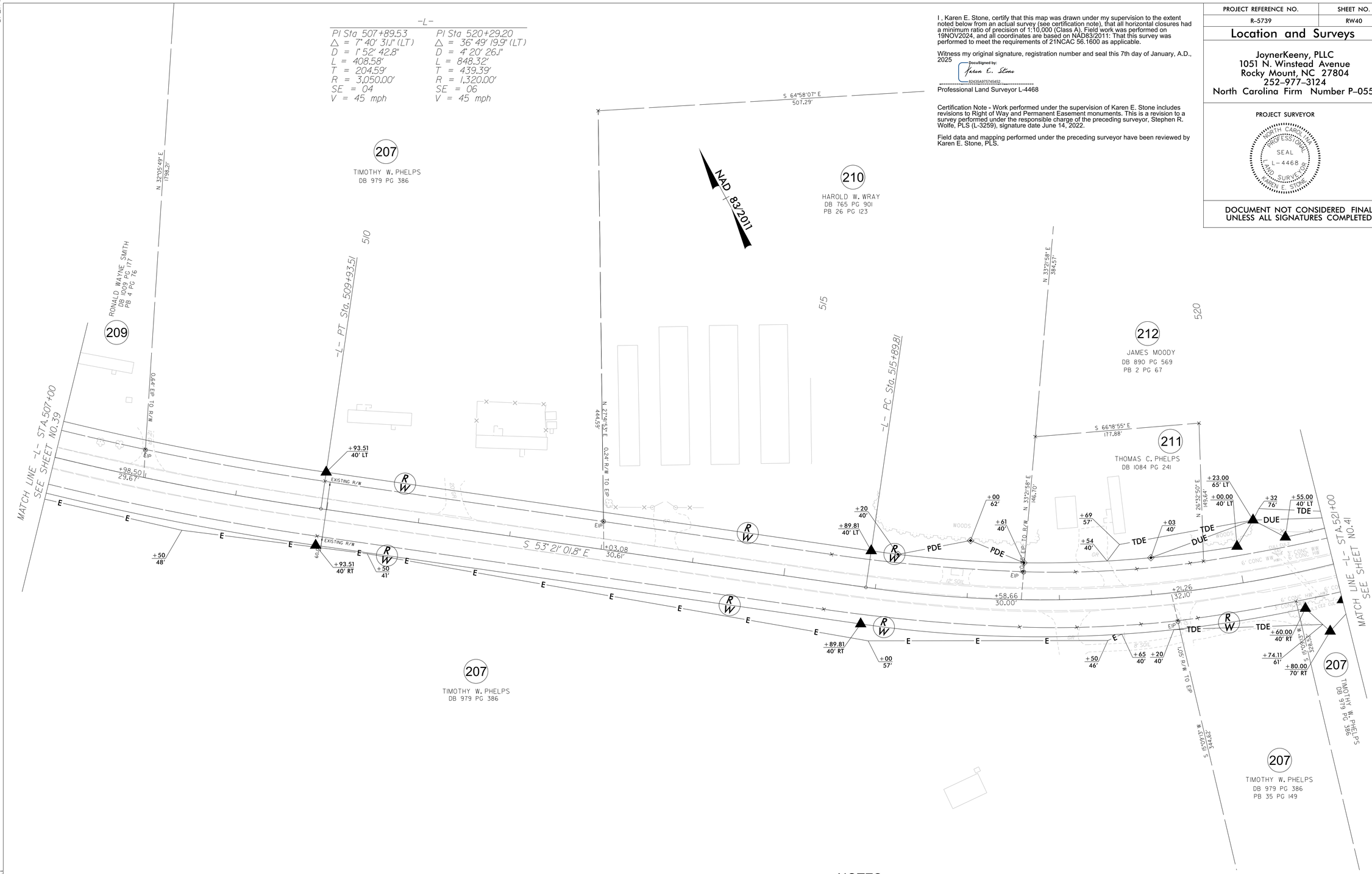
Docusign Envelope ID: BF758CAC-60C3-4334-A1C1-F4FD43E3DB09

6/2/99

-L-

PI Sta 507+89.53
△ = 7° 40' 31.1" (LT)
D = 1° 52' 42.8"
L = 408.58'
T = 204.59'
R = 3,050.00'
SE = 04
V = 45 mph

PI Sta 520+29.20
△ = 36° 49' 19.9" (LT)
D = 4° 20' 26.1"
L = 848.32'
T = 439.39'
R = 1,320.00'
SE = 06
V = 45 mph



I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
82435A97574545...

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW40

Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

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 14FEB2022 TO 19NOV2024 .

08-JAN-2025 17:56
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rpoutness
AT JKA-021

Docusign Envelope ID: BF758CAC-60C3-4334-A1C1-F4FD43E3DB09

6/2/99

-L-
PI Sta 520+29.20
△ = 36° 49' 19.9" (LT)
D = 4° 20' 26.1"
L = 848.32'
T = 439.39'
R = 1,320.00'
SE = 06
V = 45 mph

I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
82435A975745452...

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW41

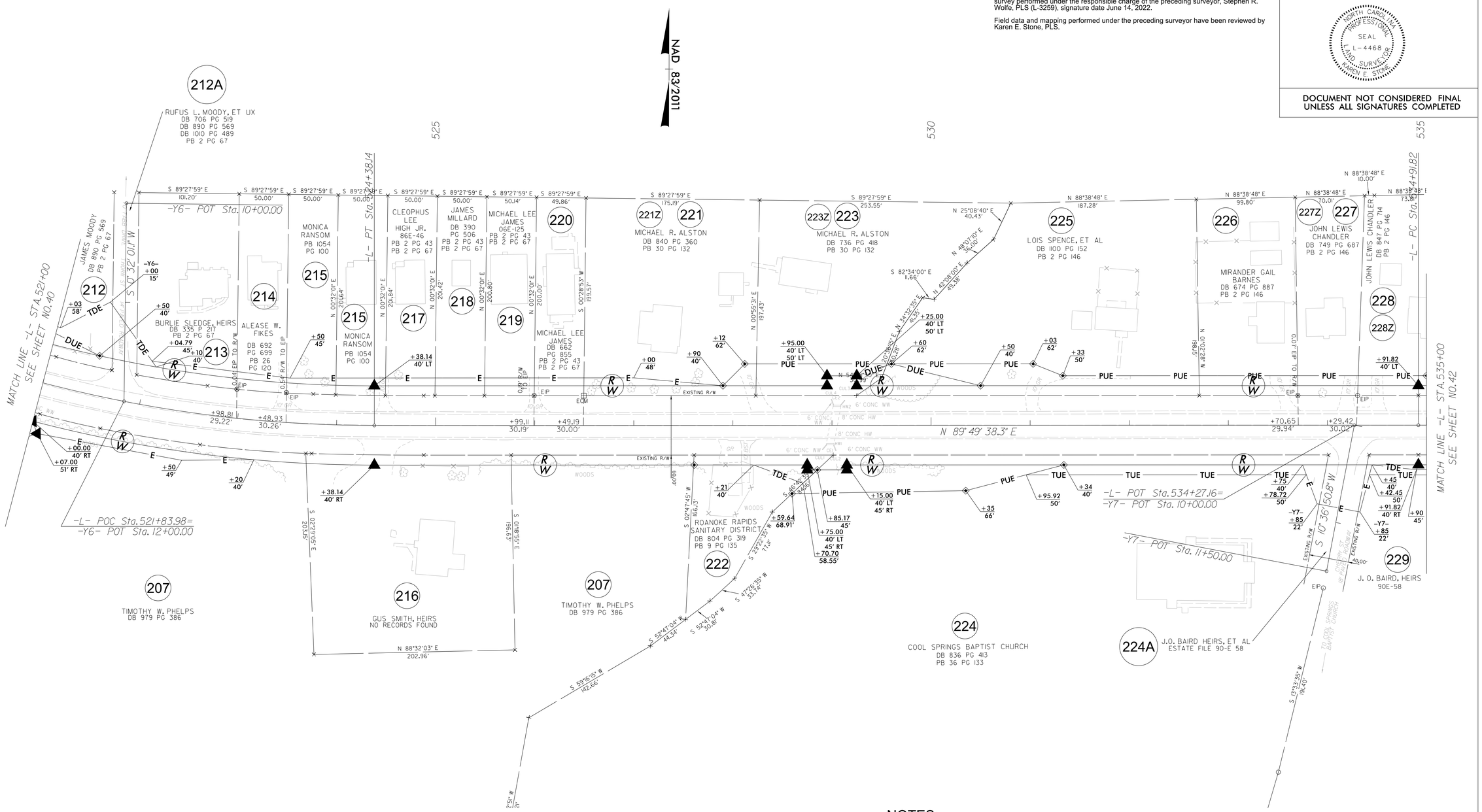
Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

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 14FEB2022 TO 19NOV2024 .

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rpoutress AT JKA-021

Docusign Envelope ID: BF758CAC-60C3-4334-A1C1-F4FD43E3DB09

6/2/99

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW42

Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
9D47A9A9D7A4429...

Professional Land Surveyor L-4468

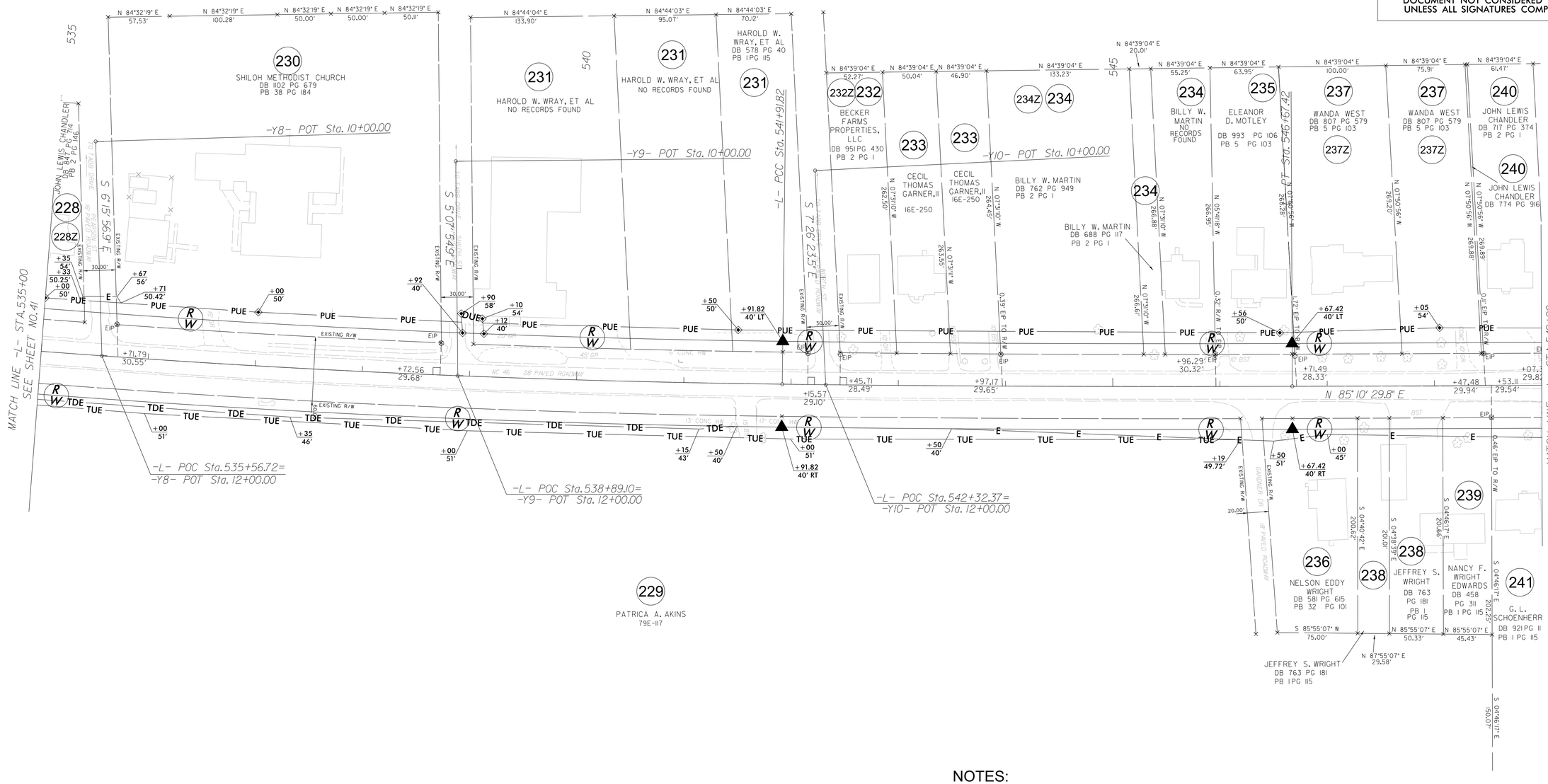
Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

-L-

PI Sta 538+41.94	PI Sta 544+29.63
△ = 3° 43' 20.0" (LT)	△ = 0° 55' 48.5" (LT)
D = 0° 31' 54.3"	D = 0° 11' 44.1"
L = 700.00'	L = 475.60'
T = 350.12'	T = 237.81'
R = 10,775.00'	R = 29,296.53'
SE = NC	SE = NC
V = 45 mph	V = 45 mph

NAD 83/2011



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 14FEB2022 TO 19NOV2024 .

08-JAN-2025 18:00
R-5739_CON_JKA_7_ROW STAKING\SURVEY\DELIVERABLES\TO BE SENT\r-5739_ls_rw42.dgn
rpoutness AT JKA-021

Docusign Envelope ID: BF758CAC-60C3-4334-A1C1-F4FD43E3DB09

6/2/99

-L-

PI Sta 544+29.63	PI Sta 549+80.75	PI Sta 560+60.30
△ = 0° 55' 48.5" (LT)	△ = 0° 18' 37.4" (RT)	△ = 13° 07' 37.2" (LT)
D = 0° 11' 44.1"	D = 0° 17' 11.3"	D = 4° 46' 28.7"
L = 475.60'	L = 108.35'	L = 274.93'
T = 237.81'	T = 54.17'	T = 138.07'
R = 29,296.53'	R = 20,000.00'	R = 1,200.00'
SE = NC	SE = NC	SE = SEE PLANS
V = 45 mph	V = 35 mph	V = 35 mph

I , Karen E. Stone, certify that this map was drawn under my supervision to the extent noted below from an actual survey (see certification note), that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on 19NOV2024, and all coordinates are based on NAD83/2011: That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature, registration number and seal this 7th day of January, A.D., 2025

DocuSigned by:
Karen E. Stone
9243569757454E9...

Professional Land Surveyor L-4468

Certification Note - Work performed under the supervision of Karen E. Stone includes revisions to Right of Way and Permanent Easement monuments. This is a revision to a survey performed under the responsible charge of the preceding surveyor, Stephen R. Wolfe, PLS (L-3259), signature date June 14, 2022.

Field data and mapping performed under the preceding surveyor have been reviewed by Karen E. Stone, PLS.

PROJECT REFERENCE NO.	SHEET NO.
R-5739	RW43

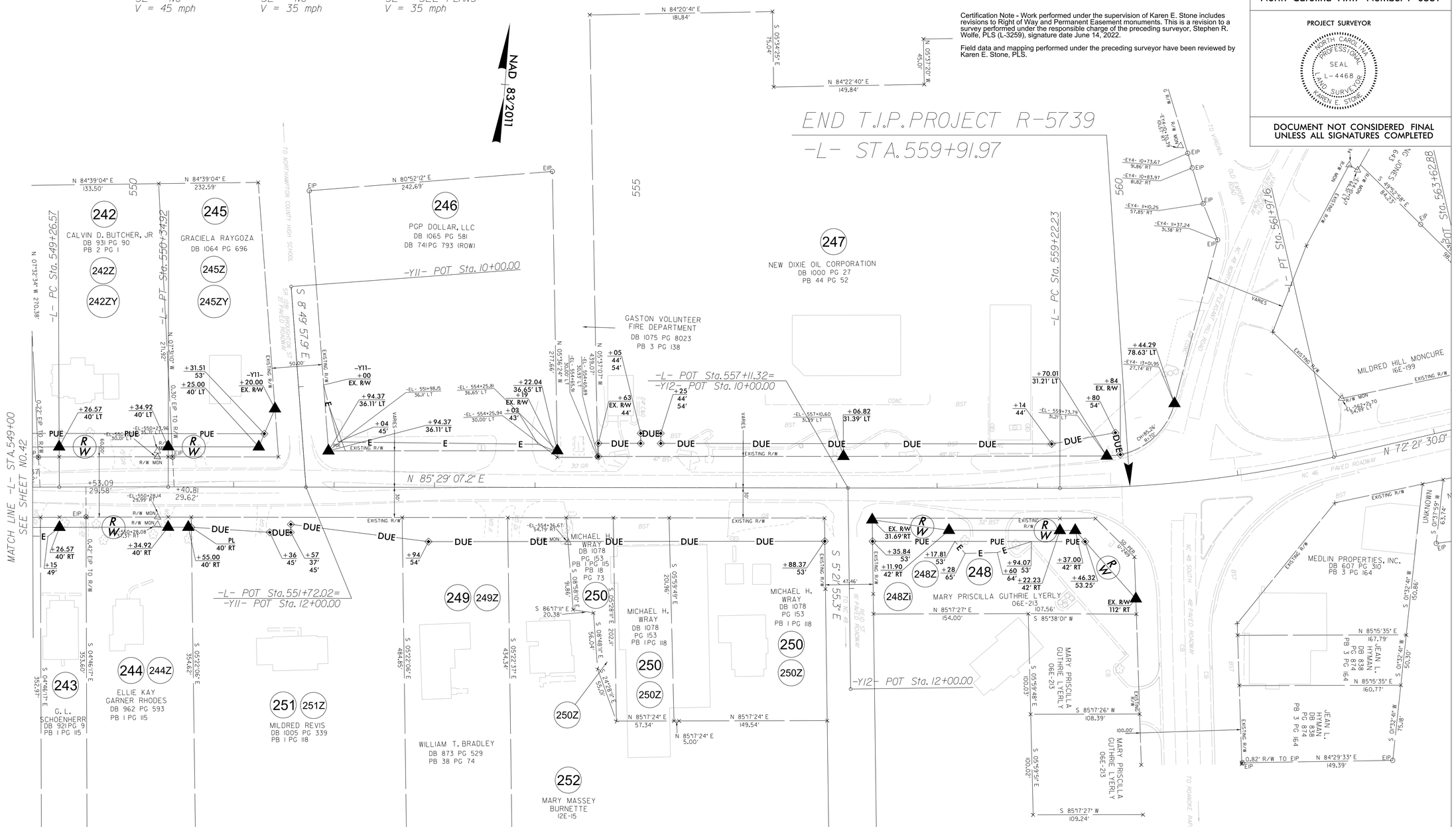
Location and Surveys

JoynerKeeny, PLLC
1051 N. Winstead Avenue
Rocky Mount, NC 27804
252-977-3124
North Carolina Firm Number P-0551

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4468 LAND SURVEYOR KAREN E. STONE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



NOTES:

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2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 14FEB2022 TO 19NOV2024 .

08-JAN-2025 18:03
R:\Roadway\Proj\R5739_CON_JKA_7_ROW STAKING\SURVEY\DELIVERABLES\TO BE SENT\r-5739_ls_rw43.dgn
rpothress AT JKA-021