

09/06/99

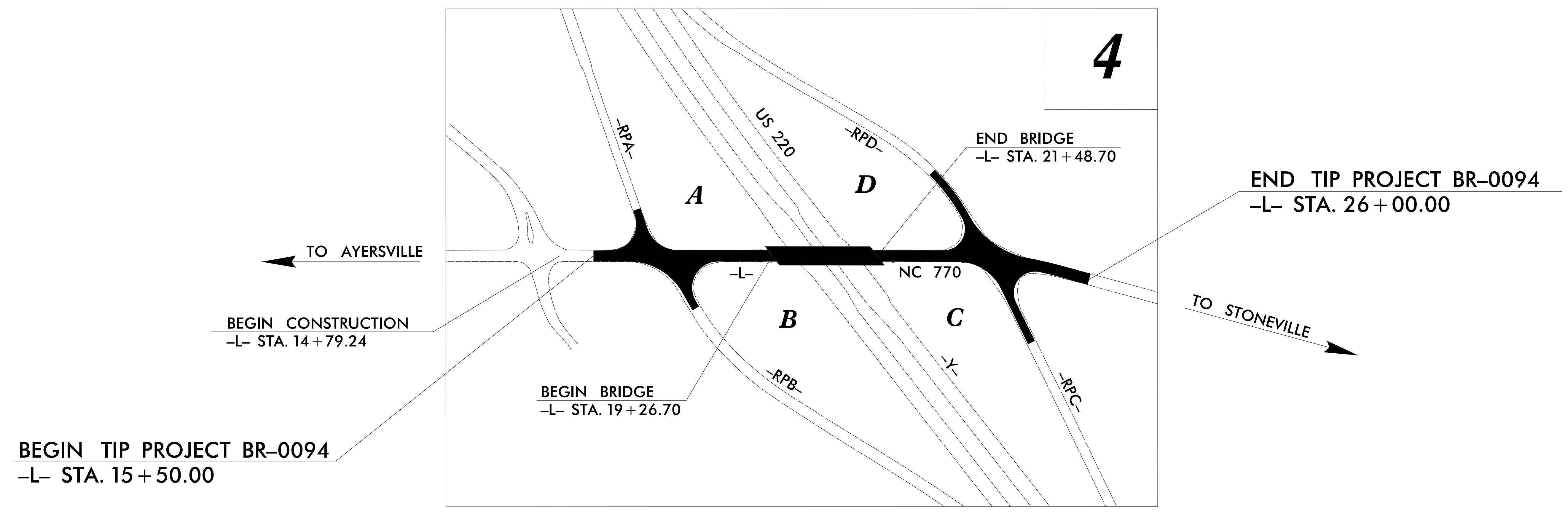
TIP PROJECT: BR-0094

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0094	RW01	04

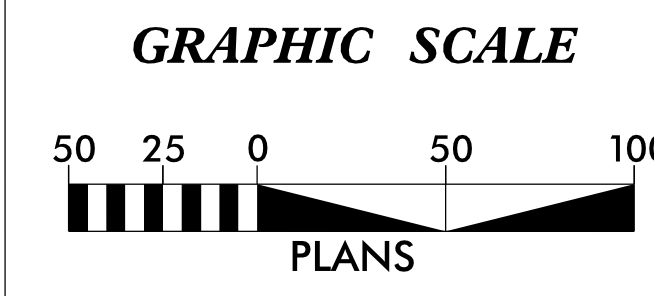
STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

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

ROCKINGHAM COUNTY



25-AUG-2022 08:22
 Y:\Projects\PA\20618\DN\br0094\br0094_is_rwl.dgn
 Owner AT OWNER-PC



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "BR0094-2" WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 990,539.698(ft) EASTING: 1,727,259.762(ft) ELEVATION: 813.24(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 1.0000596235

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BR0094-2" TO -L- STATION 10+00 IS S56°48'43.9"E, 733.27(ft)

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:

ALLIED ASSOCIATES, P.A.
 4720 KESTER MILL ROAD
 WINSTON SALEM, NC 27103
 WWW.ALLIEDAPA.COM C-2198
 (336)765-2377

2018 STANDARD SPECIFICATIONS

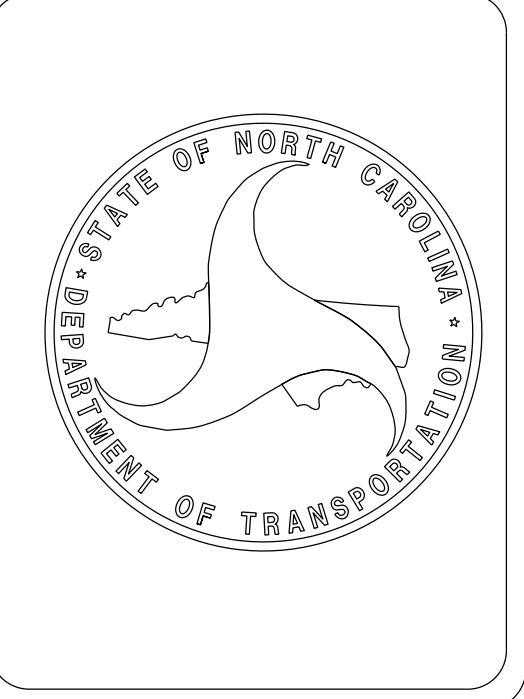
RIGHT OF WAY DATE: 06/10/2022	LETTING DATE: 01/17/2023
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PROFESSIONAL LAND SURVEYOR

DocuSigned by:
 Clinton B. Osborne
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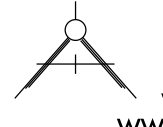
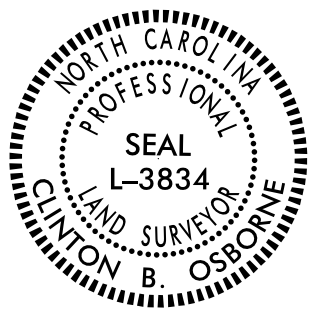
8/25/2022

SIGNATURE: _____ Date: _____



SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION


PROJECT REFERENCE NO. BR-0094	SHEET NO. RW02C-1
Location and Surveys	
 ALLIED ASSOCIATES, P.A. 4720 KESTER MILL ROAD WINSTON SALEM, NC 27103 WWW.ALLIEDAPA.COM C-2198 (336)765-2377	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

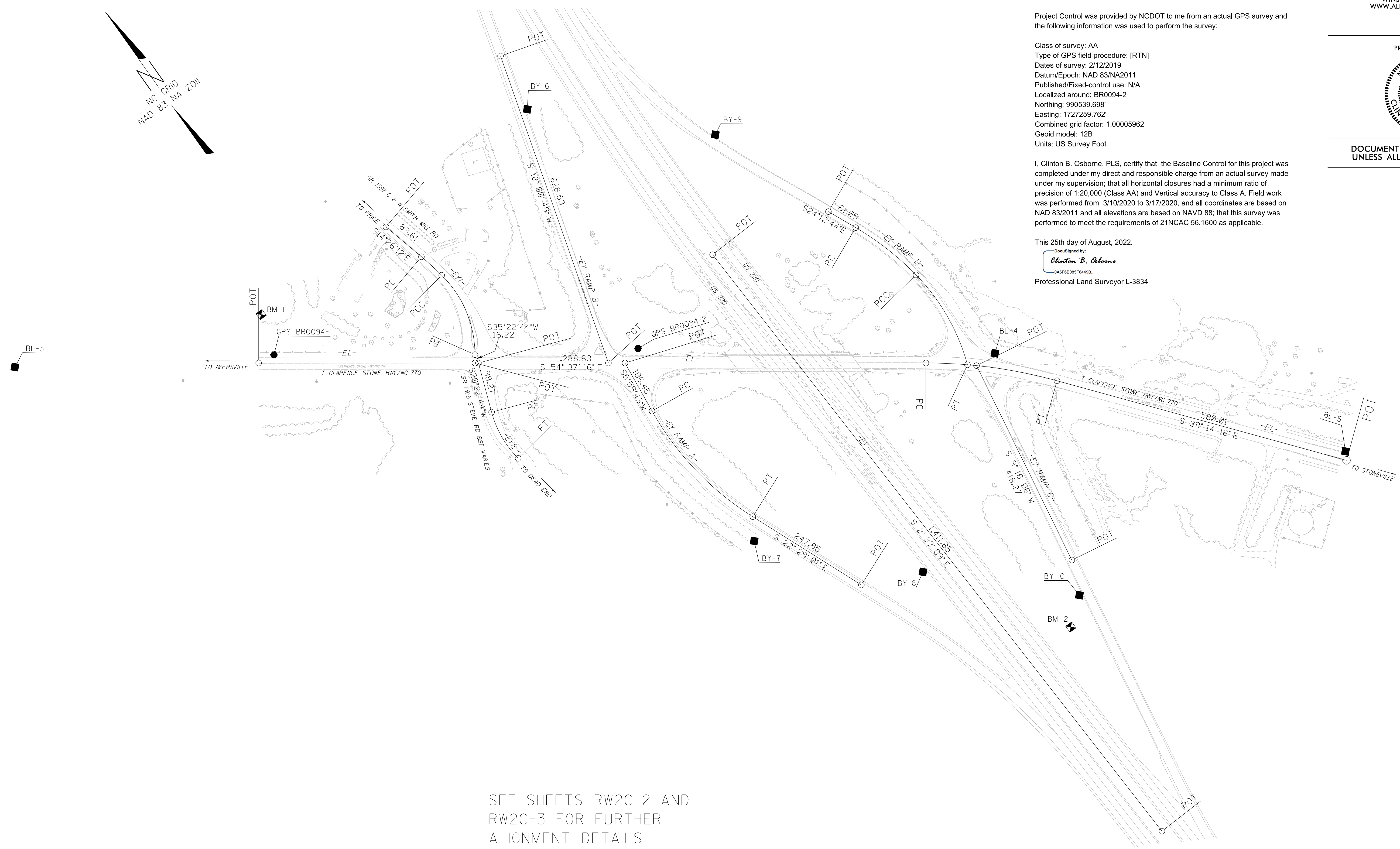
Project Control was provided by NCDOT to me from an actual GPS survey and the following information was used to perform the survey:

Class of survey: AA
 Type of GPS field procedure: [RTN]
 Dates of survey: 2/12/2019
 Datum/Epoch: NAD 83/NA2011
 Published/Fixed-control use: N/A
 Localized around: BR0094-2
 Northing: 990539.698'
 Easting: 1727259.762'
 Combined grid factor: 1.00005962
 Geoid model: 12B
 Units: US Survey Foot

I, Clinton B. Osborne, PLS, 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 3/10/2020 to 3/17/2020, 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 25th day of August, 2022.

Designed by:

 Clinton B. Osborne
 04016608584498
 Professional Land Surveyor L-3834



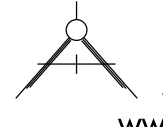
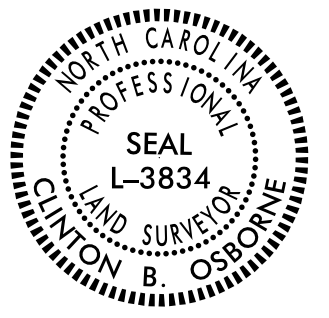
SEE SHEETS RW2C-2 AND RW2C-3 FOR FURTHER ALIGNMENT DETAILS

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.

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. BR-0094	SHEET NO. RW02C-2
Location and Surveys	
 <div style="font-size: 8px; margin-top: 5px;"> ALLIED ASSOCIATES, P.A. 4720 KESTER MILL ROAD WINSTON SALEM, NC 27103 WWW.ALLIEDAPA.COM C-2198 (336)765-2377 </div>	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

DocuSigned by:
Winston B. Osborne
SHA256:805F64498
8/25/2022

BL	POINT	DESC.	NORTH	EAST	ELEVATION
3		BL-3	991207.2542	1726257.5660	822.61
1		GPS BR0094-1	990936.8100	1726679.2630	826.97
2		GPS BR0094-2	990539.6980	1727259.7620	813.24
4		BL-4	990132.9717	1727816.3990	799.43
5		BL-5	989586.5657	1728258.8027	760.69

BYA	POINT	DESC.	NORTH	EAST	ELEVATION
6		BY-6	991040.2771	1727352.9046	794.82
2		GPS BR0094-2	990539.6980	1727259.7620	813.24
7		BY-7	990106.5850	1727227.3151	797.38
8		BY-8	989869.1472	1727458.5562	780.46

BYB	POINT	DESC.	NORTH	EAST	ELEVATION
9		BY-9	990789.9910	1727620.4221	784.26
4		BL-4	990132.9717	1727816.3990	793.43
10		BY-10	989657.6343	1727679.0396	778.01

.....
 BM1 ELEVATION = 822.73
 N 991015 E 1726704
 RR SPIKE IN 14' MAPLE TREE

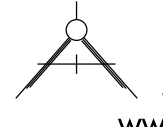
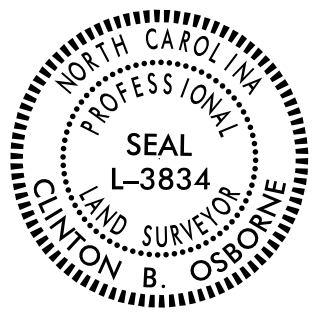
.....
 BM2 ELEVATION = 774.15
 N 989617 E 1727630
 RR SPIKE IN 28" DBL CHERRY TREE

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. BR-0094	SHEET NO. RW02C-3
Location and Surveys	
 ALLIED ASSOCIATES, P.A. 4720 KESTER MILL ROAD WINSTON SALEM, NC 27103 WWW.ALLIEDAPA.COM C-2198 (336)765-2377	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

DocuSigned by:
 Clinton B. Osborne
 DAF6805F6449B...
 8/25/2022

EL

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	990941.081	1726646.099							
LINE			S 54°37'15.5" E	1288.63					
PC	990194.986	1727696.771							
CURVE			S 46°55'45.6" E	255.62	15°22'59.8"(RT)	06°00'00.0"	256.39	128.97	954.93
PT	990020.424	1727883.504							
LINE			S 39°14'15.7" E	580.01					
POT	989571.193	1728250.380							

EY

POINT	N	E	BEARING	DIST
POT	990604.086	1727482.133		
LINE			S 02°33'08.6" E	1411.85
POT	989193.640	1727545.006		

EY1

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	991013.133	1726998.890							
LINE			S 14°26'12.3" E	89.61					
PC	990926.355	1727021.230							
CURVE			S 12°16'08.7" E	52.95	04°20'07.3"(RT)	08°11'06.4"	52.97	26.50	700.00
PCC	990874.611	1727032.483							
CURVE			S 12°38'19.7" W	166.22	45°28'49.5"(RT)	26°38'57.1"	170.66	90.11	215.00
PT	990712.421	1726996.114							
LINE			S 35°22'44.5" W	16.22					
POT	990699.199	1726986.725							

EY2

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	990695.303	1726992.211							
LINE			S 20°22'44.5" W	98.27					
PC	990603.185	1726957.992							
CURVE			S 05°28'57.2" W	102.83	29°47'34.5"(LT)	28°38'52.4"	104.00	53.20	200.00
PT	990500.826	1726948.167							

EYRAMPA

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	990531.398	1727223.027							
LINE			S 05°59'42.8" W	106.45					
PC	990425.530	1727211.908							
CURVE			S 08°14'39.3" E	281.87	28°28'44.2"(LT)	10°00'00.0"	284.79	145.40	572.96
PT	990146.576	1727252.326							
LINE			S 22°29'01.4" E	247.85					
POT	989917.566	1727347.109							

EYRAMPB

POINT	N	E	BEARING	DIST
POT	991154.060	1727370.327		
LINE			S 16°00'48.7" W	628.53
POT	990549.923	1727196.939		

EYRAMPC

POINT	N	E	BEARING	DIST
POT	990134.207	1727773.673		
LINE			S 09°16'06.2" W	418.27
POT	989721.399	1727706.307		

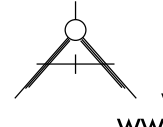
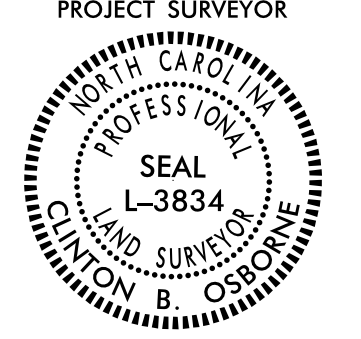
EYRAMPD

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	990542.369	1727712.721							
LINE			S 24°12'43.9" E	61.05					
PC	990486.691	1727737.758							
CURVE			S 16°32'59.8" E	148.05	15°19'28.1"(RT)	10°19'11.4"	148.50	74.69	555.20
PCC	990344.771	1727779.931							
CURVE			S 05°35'49.6" W	200.10	28°58'10.8"(RT)	14°19'26.2"	202.25	103.33	400.00
PT	990145.626	1727760.415							

NOTES:

- PROJECT CONTROL WAS ESTABLISHED BY NCDOT USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- 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.

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO. BR-0094	SHEET NO. RW02D-1
Location and Surveys	
 ALLIED ASSOCIATES, P.A. 4720 KESTER MILL ROAD WINSTON SALEM, NC 27103 WWW.ALLIEDAPA.COM C-2198 (336)765-2377	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

L										
STATION	POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
10+00.00	POT	990941.081	1726646.099							
	LINE			S 54°37'15.5" E	1288.62					
22+88.62	PC	990194.992	1727696.764							
	CURVE			S 46°55'45.6" E	255.64	15°22'59.8"(RT)	05°59'58.4"	256.41	128.98	955.00
25+45.03	PT	990020.417	1727883.510							
	LINE			S 39°14'15.7" E	580.00					
31+25.02	POT	989571.193	1728250.380							

RPA					
STATION	POINT	N	E	BEARING	DIST
10+00.00	POT	991152.957	1727374.172		
	LINE			S 16°00'57.8" W	629.84
16+29.84	POT	990547.568	1727200.396		

RPB										
STATION	POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
10+00.00	POT	990531.398	1727223.027							
	LINE			S 05°59'42.8" W	106.45					
11+06.45	PC	990425.530	1727211.908							
	CURVE			S 08°14'39.3" E	281.87	28°28'44.2"(LT)	10°00'00.0"	284.79	145.40	672.96
13+91.24	PT	990146.576	1727252.326							
	LINE			S 22°29'01.4" E	247.85					
16+39.09	POT	989917.566	1727347.109							

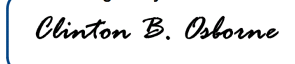
RPC					
STATION	POINT	N	E	BEARING	DIST
10+00.00	POT	990137.304	1727770.126		
	LINE			S 09°16'06.2" W	420.75
14+20.75	POT	989722.043	1727702.359		

RPD										
STATION	POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
10+00.00	POT	990540.728	1727709.073							
	LINE			S 24°12'43.9" E	61.05					
10+61.05	PC	990485.050	1727734.110							
	CURVE			S 16°32'59.8" E	146.99	15°19'28.1"(RT)	10°23'41.0"	147.43	74.16	551.20
12+08.47	PCC	990344.153	1727775.979							
	CURVE			S 05°29'30.1" W	196.69	28°45'31.8"(RT)	14°28'07.1"	198.77	101.52	396.00
14+07.24	PT	990148.369	1727757.156							

Y					
STATION	POINT	N	E	BEARING	DIST
10+00.00	POT	989840.187	1727515.256		
	LINE			N 02°33'08.6" W	764.62
17+64.62	POT	990604.044	1727481.206		

I, Clinton B. Osborne, 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 25th day of August, 2022.

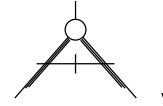

DocuSigned by:

 Clinton B. Osborne
 Professional Land Surveyor L-3834

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.

6/2/19

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. BR-0094	SHEET NO. RW03E-1
Location and Surveys	
 ALLIED ASSOCIATES, P.A. 4720 KESTER MILL ROAD WINSTON SALEM, NC 27103 WWW.ALLIEDAPA.COM C-2198 (336)765-2377	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

DocuSigned by:
Clinton B. Osborne
 046F8028F5449B...
 8/25/2022

**PROJECT REQUIRED NO ADDITIONAL RIGHT-OF-WAY
OR PERMANENT EASEMENT POINTS.**

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. NO RIGHT OF WAY MONUMENTATION NEEDED / REQUIRED FOR THIS PROJECT.

25-AUG-2022 08:11
 C:\Users\jwatts\Documents\Projects\AT_0MNE\PC
 Owner\br0094\control sheets\br0094\br0094_rw03e-1.dgn

Location and Surveys

ALLIED ASSOCIATES, P.A.
4720 KESTER MILL ROAD
WINSTON SALEM, NC 27103
WWW.ALLIEDAPA.COM C-2198
(336)765-2377

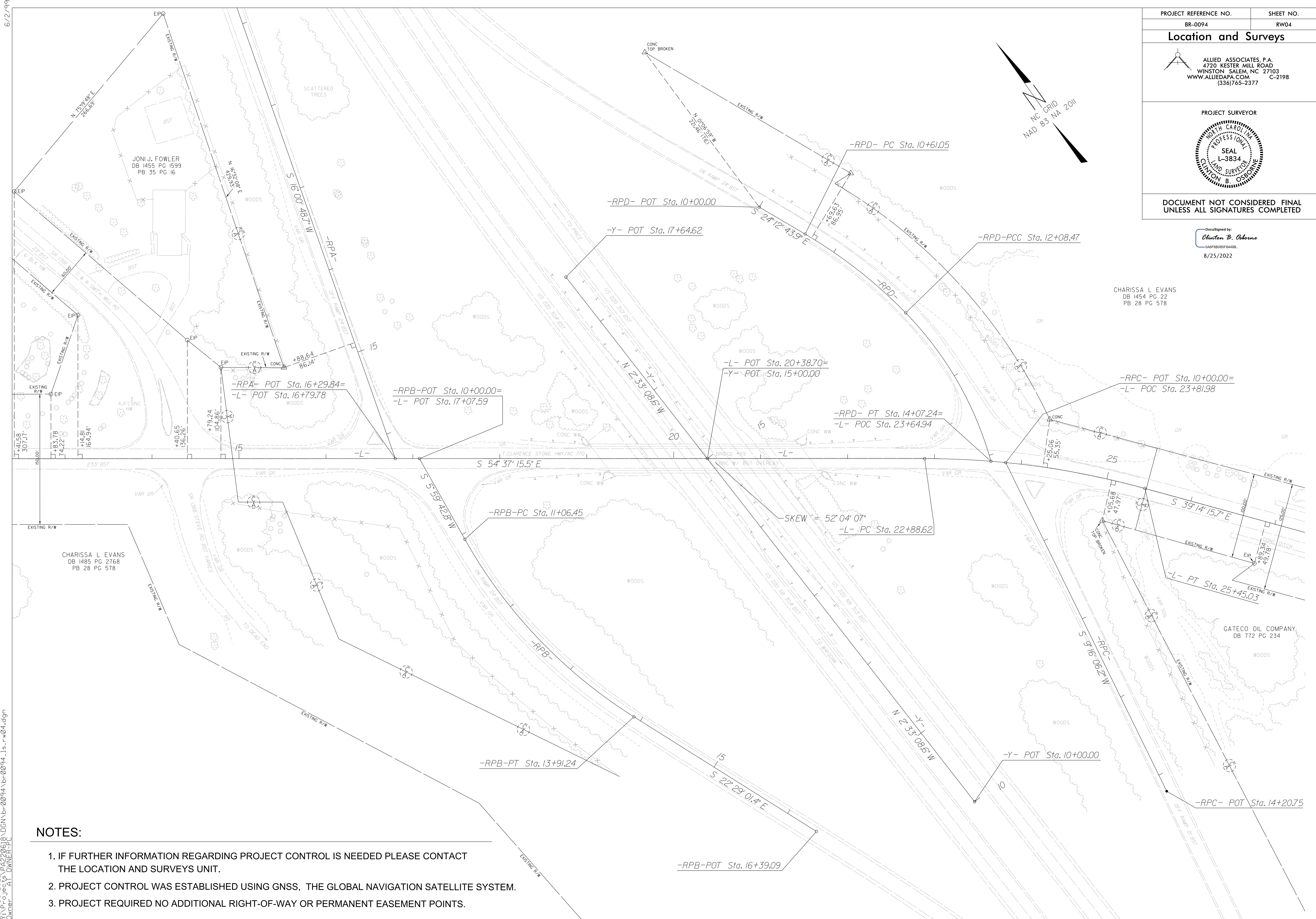


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Designed by:
Clinton B. Osborne
DAMFB0805F64408
8/25/2022

CHARISSA L EVANS
DB 1454 PG 22
PB 28 PG 578

GATECO OIL COMPANY
DB 772 PG 234



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. PROJECT REQUIRED NO ADDITIONAL RIGHT-OF-WAY OR PERMANENT EASEMENT POINTS.

85-AUG-2022 08:04
 C:\Users\jacob.s...
 Dwg: AT_0094_1s.rw04.dgn
 Owner: AT_0094_1s.rw04.dgn

6/2/09