

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5972	RW01	13

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

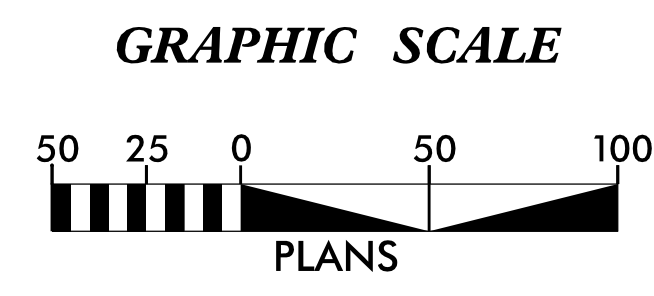
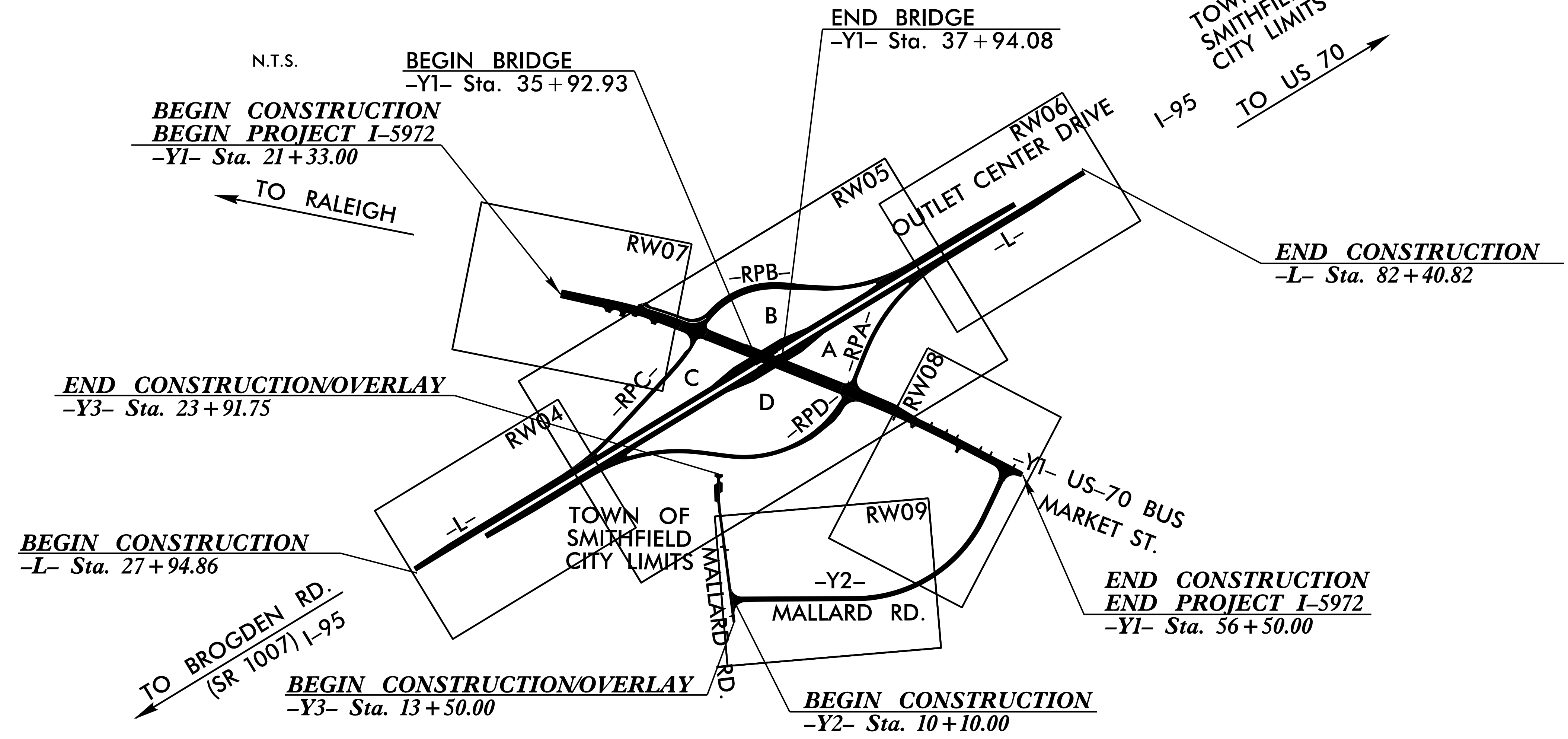
JOHNSTON COUNTY

LOCATION: I-95 AND US-70 BUSINESS, (E. MARKET STREET), EXIT 95 INTERCHANGE
FROM OUTLET CENTER DR. TO WEST OF YELVERTON GROVE RD.



TIP PROJECT: I-5972

CONTRACT: C203991



DATUM DESCRIPTION
 THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "I5972-6" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 639403.645(ft) EASTING: 2200981.216(ft) ELEVATION: 150.84(ft)
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99988030
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "I5972-6" TO -L- STATION 10+00.00 IS S 46° 44' 22" W 4,032.51(ft)
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared In the Office of:

CH ENGINEERING

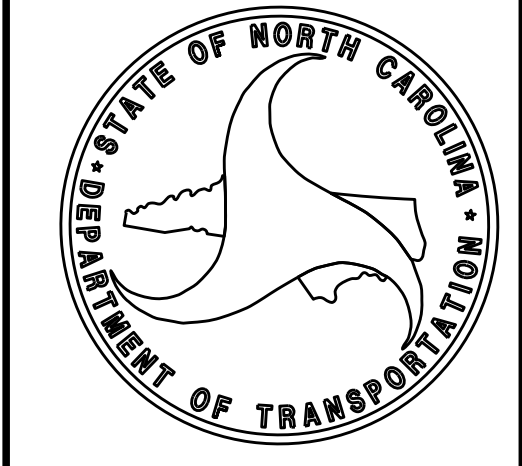
3220 GLEN ROYAL RD. RALEIGH, NC 27617
 TEL. (919) 788-0224 FAX (919) 788-0232
 CORPORATE LICENSE # P-0189

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: _____ LETTING DATE: **JULY 20, 2020**

PROFESSIONAL LAND SURVEYOR

SIGNATURE: _____ Date: _____



\$\$\$\$\$ SYSTEM TIME\$\$\$\$\$ DGN\$\$\$\$\$ USERNAME\$\$\$\$\$

6/2/09

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. I-5972	SHEET NO. RW02C-1
Location and Surveys	
CH ENGINEERING	
3220 GLEN ROYAL RD. RALEIGH, NC 27617 TEL (919) 788-0224 FAX (919) 788-0232 CORPORATE LICENSE # P-0189	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



TO RALEIGH

TO US 70

TO BROGDEN RD.
(SR 1007)

BM-5 ELEVATION = 148.98'
N 639519" E 2200155"
BY STATION 5+00.00
S 83°20'22" W Dist 145.56'
NAIL SET IN 24" PINE

BM-4 ELEVATION = 150.52'
N 640815" E 2204719"
BL STATION 76+94.00 101' LEFT
NAIL SET IN 16" PINE

BM-3 ELEVATION = 146.87'
N 639177" E 2202444"
BL STATION 48+94.00 60' RIGHT
NAIL SET IN 16" PINE

BM-6 ELEVATION = 148.92'
N 638788" E 2202986"
BYI-204 BY STATION 32+87.00 86' LEFT
NAIL SET IN 9" PINE

BM-2 ELEVATION = 148.65'
N 637908" E 2200370"
BL STATION 24+62.00 67' RIGHT
NAIL SET IN 24" PINE

BM-1 ELEVATION = 147.15'
N 637394" E 2199091"
BL STATION 10+99.00 101' LEFT
NAIL SET IN 14" PINE

BM-7 ELEVATION = 149.93'
N 637693" E 2205077"
BYI STATION 56+59.00 40' RIGHT
NAIL SET IN 16" PINE

BM-8 ELEVATION = 146.95'
N 636673" E 2201901"
BY3 STATION 5+00.00
S 19°43'35.9" E Dist 216.42'
NAIL SET IN 29" PINE

REVISIONS

NOTES:

- PROJECT CONTROL WAS ESTABLISHED 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.

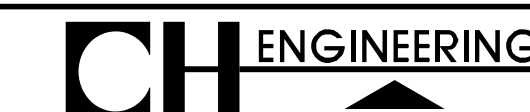
6/2/09
 LARUE MCGOWAN
 PROJECT SURVEYOR
 CH ENGINEERING
 3220 GLEN ROYAL RD.
 RALEIGH, NC 27617
 TEL (919) 788-0224
 FAX (919) 788-0232
 CORP. LICENSE # P-0189

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. I-5972 SHEET NO. RW02C-3

Location and Surveys



3220 GLEN ROYAL RD. RALEIGH, NC 27617
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CORPORATE LICENSE # P-0189

PROJECT SURVEYOR



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Table EL with columns: POINT, N, E, BEARING, DIST. Data includes points like 636301.354, 640677.158.

Table EY1 with columns: POINT, N, E, BEARING, DIST, DELTA, D, L, T, R. Data includes points like 639596.043, 639416.791, 639308.001.

Table EY2 with columns: POINT, N, E, BEARING, DIST, DELTA, D, L, T, R. Data includes points like 639670.013, 639705.816, 639718.169.

Table EY3 with columns: POINT, N, E, BEARING, DIST, DELTA, D, L, T, R. Data includes points like 638391.101, 638314.850, 638279.486.

Table L with columns: POINT, N, E, BEARING, DIST, DELTA, D, L, T, R. Data includes points like 639670.013, 639670.014.

Table RAMP1 with columns: POINT, N, E, BEARING, DIST, DELTA, D, L, T, R. Data includes points like 638132.053, 638290.295, 638394.874.

Table RAMP2 with columns: POINT, N, E, BEARING, DIST, DELTA, D, L, T, R. Data includes points like 639350.095, 639489.448, 639562.179.

Table RAMP3 with columns: POINT, N, E, BEARING, DIST, DELTA, D, L, T, R. Data includes points like 638785.544, 638825.468, 638939.182.

Table RAMP4 with columns: POINT, N, E, BEARING, DIST, DELTA, D, L, T, R. Data includes points like 638841.258, 638759.725, 638728.814.

Table RAMP5 with columns: POINT, N, E, BEARING, DIST, DELTA, D, L, T, R. Data includes points like 639338.967, 638865.784, 638509.472.

Table RAMP6 with columns: POINT, N, E, BEARING, DIST, DELTA, D, L, T, R. Data includes points like 639833.764, 640031.724, 640129.597.

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.

6/2/09

REVISIONS

SECTION CUTLINE... (vertical text along left edge)

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
I-5972	RW02D-1
Location and Surveys	
	
3220 GLEN ROYAL RD. RALEIGH, NC 27617 TEL. (919) 788-0224 FAX (919) 788-0232 CORPORATE LICENSE # P-0189	

L			
TYPE	STATION	NORTH	EAST
POT	10+00.00	636640.0940	2198044.5606
POT	87+70.41	640677.1584	2204683.9460

RPA			
TYPE	STATION	NORTH	EAST
TS	10+00.00	639807.1800	2203329.1469
SC	12+00.00	639698.9541	2203161.0216
CS	18+35.71	639218.8086	2202754.0827
ST	20+35.71	639035.2160	2202674.8823
EOB	22+46.36	638839.7195	2202596.4282
EOA	31+21.09	638839.7195	2202596.4282

RPB			
TYPE	STATION	NORTH	EAST
TS	10+00.00	639779.8381	2203132.9693
SC	12+00.00	639680.8593	2202959.2497
CS	17+53.87	639554.8776	2202424.9309
SRS	19+53.87	639565.8260	2202225.2926
SC	21+53.87	639571.0347	2202025.6158
PT	27+09.33	639287.8246	2201571.5255
POT	27+43.93	639258.1883	2201553.6631

RPC			
TYPE	STATION	NORTH	EAST
TS	10+00.00	638167.0341	2200480.7115
SC	12+00.00	638273.9908	2200649.6786
CS	15+15.33	638473.3943	2200893.4613
ST	17+15.33	638617.7985	2201031.7979
TS	21+36.77	638927.3333	2201317.8117
SC	23+36.77	639078.5997	2201448.5133
PT	24+40.28	639164.3294	2201506.4333
EOB	25+46.35	639255.1699	2201561.1846
EOA	23+18.50	639255.1699	2201561.1846

RPD			
TYPE	STATION	NORTH	EAST
TS	10+00.00	638205.9688	2200695.7693
SC	12+00.00	638305.1571	2200869.3694
CS	18+17.51	638430.2224	2201467.1423
SRS	20+17.51	638408.9478	2201665.9455
SC	22+17.51	638390.4427	2201864.9481
PT	30+36.72	638768.0607	2202551.8836
POT	31+21.09	638839.7195	2202596.4282

Y1			
TYPE	STATION	NORTH	EAST
POT	10+00.00	639748.7948	2199436.8814
PC	24+76.88	639461.6492	2200885.5740
PT	31+24.01	639277.6998	2201505.0434
PC	43+75.59	638811.5652	2202666.5846
PT	51+50.52	638488.1737	2203370.4627
PC	55+53.58	638302.1486	2203728.0243
PT	61+95.38	638043.2383	2204314.8051
POT	66+66.84	637880.9716	2204757.4620

Y2			
TYPE	STATION	NORTH	EAST
POT	10+00.00	637389.0623	2201776.3711
PC	18+69.27	637392.8667	2202645.6373
PT	29+89.11	637960.9723	2203543.1896
POT	33+77.30	638311.0883	2203710.8412

Y3			
TYPE	STATION	NORTH	EAST
POT	10+00.00	636882.2595	2201842.2598
PC	21+24.82	637997.6962	2201697.2434
PCC	24+12.97	638285.1993	2201691.9356
PT	25+09.94	638380.1351	2201710.8481
POT	25+32.95	638402.1045	2201717.6661

REVISIONS

NOTES:

- I. 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.

6/2/2019

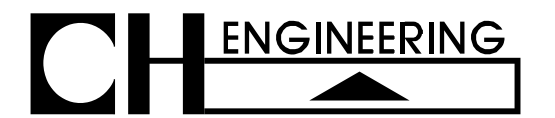
6/2/2021

REVISIONS

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. SHEET NO.
I-5972 RW03E-1

Location and Surveys



3220 GLEN ROYAL RD. RALEIGH, NC 27617
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CORPORATE LICENSE # P-0189

PROJECT SURVEYOR



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ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
RPC	14+60.00	-59.15	638479.0861	2200813.2797
RPC	16+20.00	-72.49	638597.8974	2200914.1815

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
RPD	13+55.00	55.86	638312.5577	2201030.4301
RPD	15+30.00	70.18	638341.5854	2201194.1536
RPD	15+30.00	100.00	638312.2930	2201199.7428
RPD	15+80.00	100.00	638319.9429	2201244.9298
RPD	15+80.00	69.81	638349.8046	2201240.5122
RPD	16+30.00	67.48	638358.0435	2201286.9814
RPD	21+75.00	58.35	638333.6321	2201819.1535
RPD	24+55.00	65.00	638360.9066	2202117.7167
RPD	26+90.00	75.00	638459.0945	2202352.8781
RPD	28+45.00	125.00	638529.5571	2202519.6812
RPD	28+45.00	75.00	638565.2787	2202484.6960
RPD	28+90.00	140.00	638556.8801	2202566.8922
RPD	29+40.00	150.00	638595.2261	2202612.9002
RPD	29+75.00	140.00	638634.0979	2202630.1619

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	44+40.00	105.00	638690.2110	2202686.3589
Y1	44+90.00	-177.35	638931.8063	2202840.8749
Y1	44+95.00	110.00	638664.8032	2202734.5529
Y1	46+00.00	-116.10	638831.5155	2202919.9120
Y1	46+50.00	90.00	638622.6542	2202883.0228
Y1	51+50.52	90.00	638408.3327	2203328.9246
Y1	54+45.00	90.00	638272.4197	2203590.1650
Y1	56+50.01	47.63	638215.8009	2203792.8294

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y2	11+10.00	-40.00	637429.5434	2201886.1950
Y2	11+48.00	40.00	637349.7104	2201924.5447
Y2	16+55.00	-40.00	637431.9285	2202431.1897
Y2	16+55.00	-75.00	637466.9282	2202431.0366
Y2	16+85.00	75.00	637317.0609	2202461.6927
Y2	16+85.00	40.00	637352.0606	2202461.5396
Y2	17+50.00	-40.00	637432.3443	2202526.1888
Y2	17+50.00	-75.00	637467.3440	2202526.0356
Y2	17+90.00	40.00	637352.5201	2202566.5386
Y2	17+90.00	75.00	637317.5205	2202566.6917
Y2	18+69.27	-40.00	637432.8663	2202645.4623
Y2	18+69.27	40.00	637352.8671	2202645.8124
Y2	29+89.11	-40.00	637978.2477	2203507.1125
Y2	29+89.11	40.00	637943.6969	2203579.2668
Y2	32+35.00	-40.00	638200.0203	2203613.3074
Y2	32+50.00	40.00	638178.9985	2203691.9399

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y3	24+14.60	-118.34	638298.1495	2201574.2930
Y3	24+20.58	87.68	638283.2615	2201779.8624
Y3	16+30.00	30.06	637510.8767	2201790.8425
Y3	13+65.15	30.06	637248.2372	2201824.9878

I, DALE LaRUE McGOWAN, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 9th day of June, 2021.

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

Professional Land Surveyor L-5191 PLS # Seal

6/2/2021

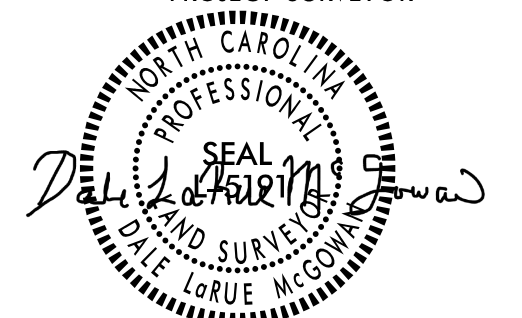
6/2/2021

PERMANENT EASEMENT CONTROL SHEET

PROJECT REFERENCE NO. SHEET NO.
I-5972 RW03E-2

Location and Surveys

CH ENGINEERING
3220 GLEN ROYAL RD. RALEIGH, NC 27617
TEL. (919) 788-0224 FAX (919) 788-0232
CORPORATE LICENSE # P-0189

PROJECT SURVEYOR


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ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	21.60.00	-69.40	639591.3340	2200588.2372
Y1	23.30.00	-70.00	639558.8701	2200755.1108
Y1	24.50.00	-75.00	639540.4434	2200873.7929
Y1	26.00.00	-68.03	639501.8007	2201021.4777
Y1	28.90.00	57.69	639302.6319	2201267.2613
Y1	29.10.00	108.00	639248.7388	2201270.1148
Y1	29.40.00	118.76	639229.2888	2201294.1947
Y1	48.12.32	-86.71	638716.3623	2203103.8788
Y1	48.32.13	-59.21	638682.9731	2203110.3158
Y1	48.33.00	-86.00	638706.8478	2203122.5088

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y2	11.33.00	55.16	637334.4891	2201909.6102
Y2	12.50.00	-40.00	637430.1561	2202026.1936
Y2	12.50.00	-45.00	637435.1559	2202026.1714
Y2	12.50.00	55.00	637335.1566	2202026.6084
Y2	13.00.00	40.00	637350.3757	2202076.5432
Y2	15.00.00	-60.00	637451.2500	2202276.1037
Y2	18.05.00	-90.00	637482.5845	2202580.9695
Y2	18.05.00	-40.00	637432.5850	2202581.1883
Y2	18.55.00	80.00	637312.8050	2202631.7130
Y2	20.50.00	80.00	637331.3062	2202840.0313
Y2	21.75.00	85.00	637359.6089	2202972.3548
Y2	23.30.00	85.00	637423.1103	2203127.8984
Y2	24.90.00	85.00	637513.0268	2203276.1811
Y2	26.45.00	85.00	637621.5937	2203404.3976
Y2	28.00.00	80.00	637751.6218	2203510.2932
Y2	29.55.00	75.00	637895.7825	2203594.4354
Y2	32.65.00	55.68	638185.7566	2203712.5580

REVISIONS

I, DALE LaRUE McGOWAN, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 9th day of June, 2021.

Dale LaRue McGowan

Professional Land Surveyor

L-5191

PLS #

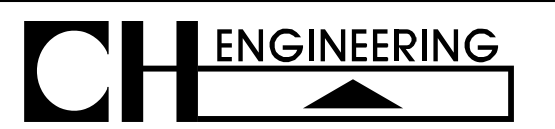
Seal

NOTES:

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

6/2/2019

Location and Surveys



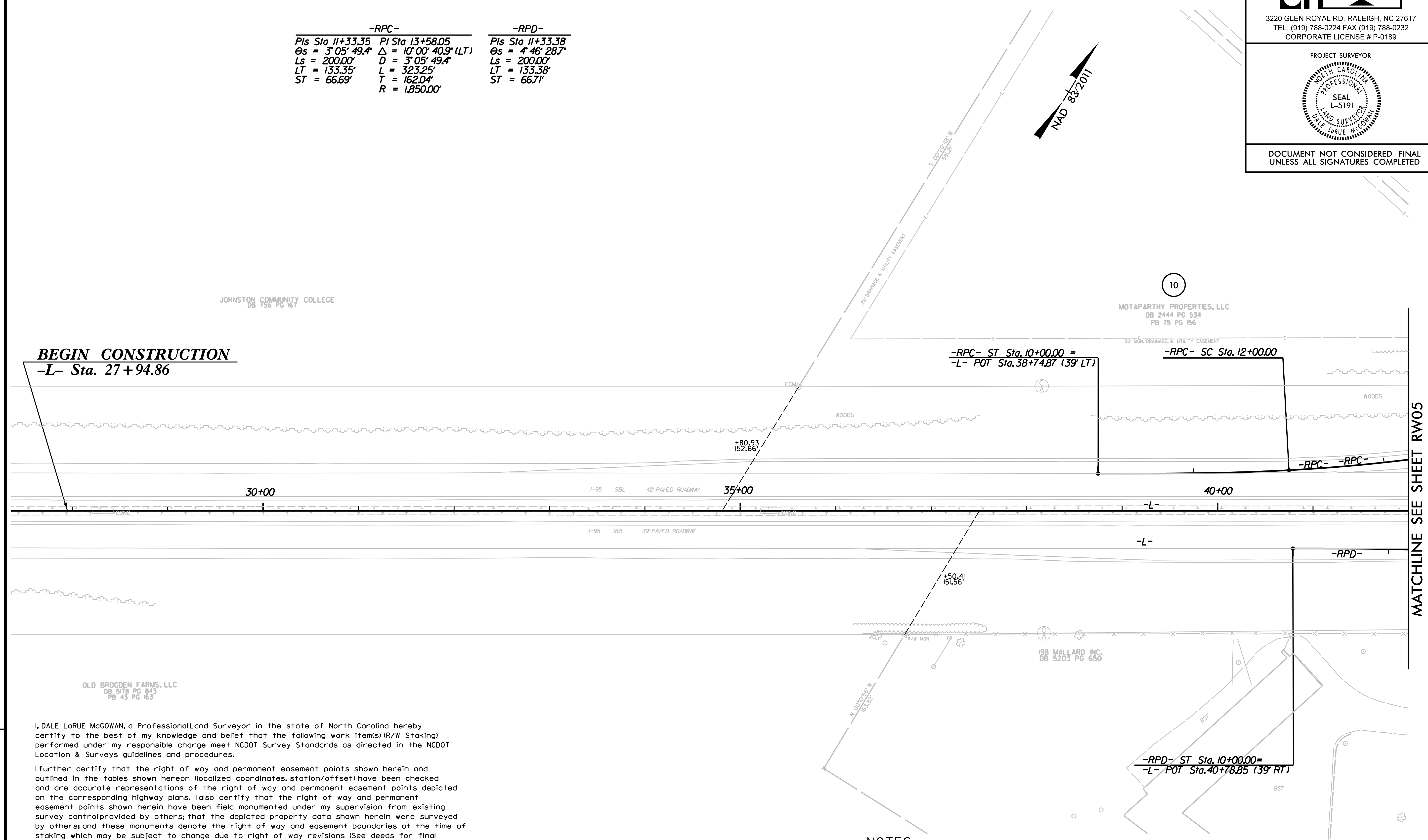
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TEL. (919) 788-0224 FAX (919) 788-0232
CORPORATE LICENSE # P-0189

PROJECT SURVEYOR



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-RPC-		-RPD-	
PIs Sta 11+33.35	PI Sta 13+58.05	PIs Sta 11+33.38	
$\theta_s = 3^{\circ}05'49.4"$	$\Delta = 10^{\circ}00'40.9" (LT)$	$\theta_s = 4^{\circ}46'28.7"$	
LS = 200.00'	D = 3^{\circ}05'49.4"	LS = 200.00'	
LT = 133.35'	L = 323.25'	LT = 133.38'	
ST = 66.69'	T = 162.04'	ST = 66.71'	
	R = 1,850.00'		



BEGIN CONSTRUCTION
-L- Sta. 27+94.86

-RPC- ST Sta. 10+00.00 =
-L- POT Sta. 38+74.87 (39' LT)

-RPC- SC Sta. 12+00.00

-RPD- ST Sta. 10+00.00 =
-L- POT Sta. 40+78.85 (39' RT)

I, DALE LaRUE MCGOWAN, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work items (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

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Professional Land Surveyor L-5191 PLS Seal

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

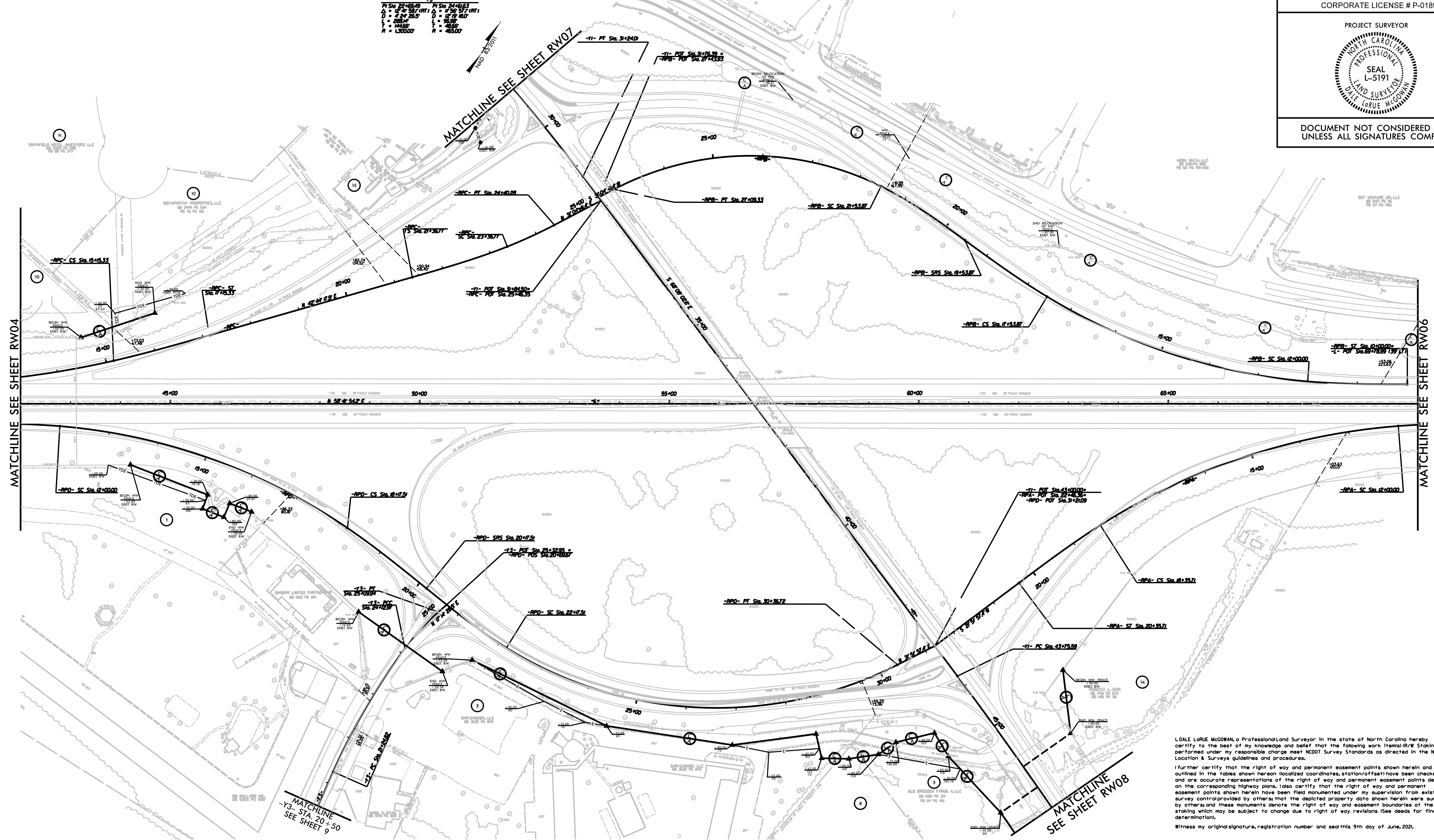
REVISIONS

MATCHLINE SEE SHEET RW05

6/2/2019

-T1-		-RPA-		-RPA-		-RPA-		-RPA-		-RPA-	
PI STA 21+00.00	PI STA 21+00.00	PI STA 21+00.00	PI STA 21+00.00	PI STA 21+00.00	PI STA 21+00.00	PI STA 21+00.00	PI STA 21+00.00	PI STA 21+00.00	PI STA 21+00.00	PI STA 21+00.00	PI STA 21+00.00
Δ = 4° 30' 00" (RT)	Δ = 5° 30' 00" (RT)	Δ = 4° 30' 00" (RT)	Δ = 5° 30' 00" (RT)	Δ = 4° 30' 00" (RT)	Δ = 5° 30' 00" (RT)	Δ = 4° 30' 00" (RT)	Δ = 5° 30' 00" (RT)	Δ = 4° 30' 00" (RT)	Δ = 5° 30' 00" (RT)	Δ = 4° 30' 00" (RT)	Δ = 5° 30' 00" (RT)
D = 100.00'	D = 100.00'	D = 100.00'	D = 100.00'	D = 100.00'	D = 100.00'	D = 100.00'	D = 100.00'	D = 100.00'	D = 100.00'	D = 100.00'	D = 100.00'
L = 6.28'	L = 7.85'	L = 6.28'	L = 7.85'	L = 6.28'	L = 7.85'	L = 6.28'	L = 7.85'	L = 6.28'	L = 7.85'	L = 6.28'	L = 7.85'
T = 3.14'	T = 3.93'	T = 3.14'	T = 3.93'	T = 3.14'	T = 3.93'	T = 3.14'	T = 3.93'	T = 3.14'	T = 3.93'	T = 3.14'	T = 3.93'
R = 3000.00'	R = 3000.00'	R = 3000.00'	R = 3000.00'	R = 3000.00'	R = 3000.00'	R = 3000.00'	R = 3000.00'	R = 3000.00'	R = 3000.00'	R = 3000.00'	R = 3000.00'

PROJECT REFERENCE NO.	SHEET NO.
L-5972	RW05
Location and Surveys	
CH ENGINEERING	
3220 GLEN ROYAL RD. RALEIGH, NC 27617 TEL. (919) 788-0224 FAX (919) 788-0232 CORPORATE LICENSE # P-0189	
PROJECT SURVEYOR	
	
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REVISIONS

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I, DALE LARUE MCGOWAN, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work items (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables herein localized coordinates, station/offset have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others that the depicted property data shown herein were surveyed by others and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (see deeds for final determination).

Witness my original signature, registration number and seal this 9th day of June, 2021.

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

Professional Land Surveyor L-5972 PLS Seal

6/2/2019

REVISIONS

Location and Surveys



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TEL. (919) 788-0224 FAX (919) 788-0232
CORPORATE LICENSE # P-0189

PROJECT SURVEYOR



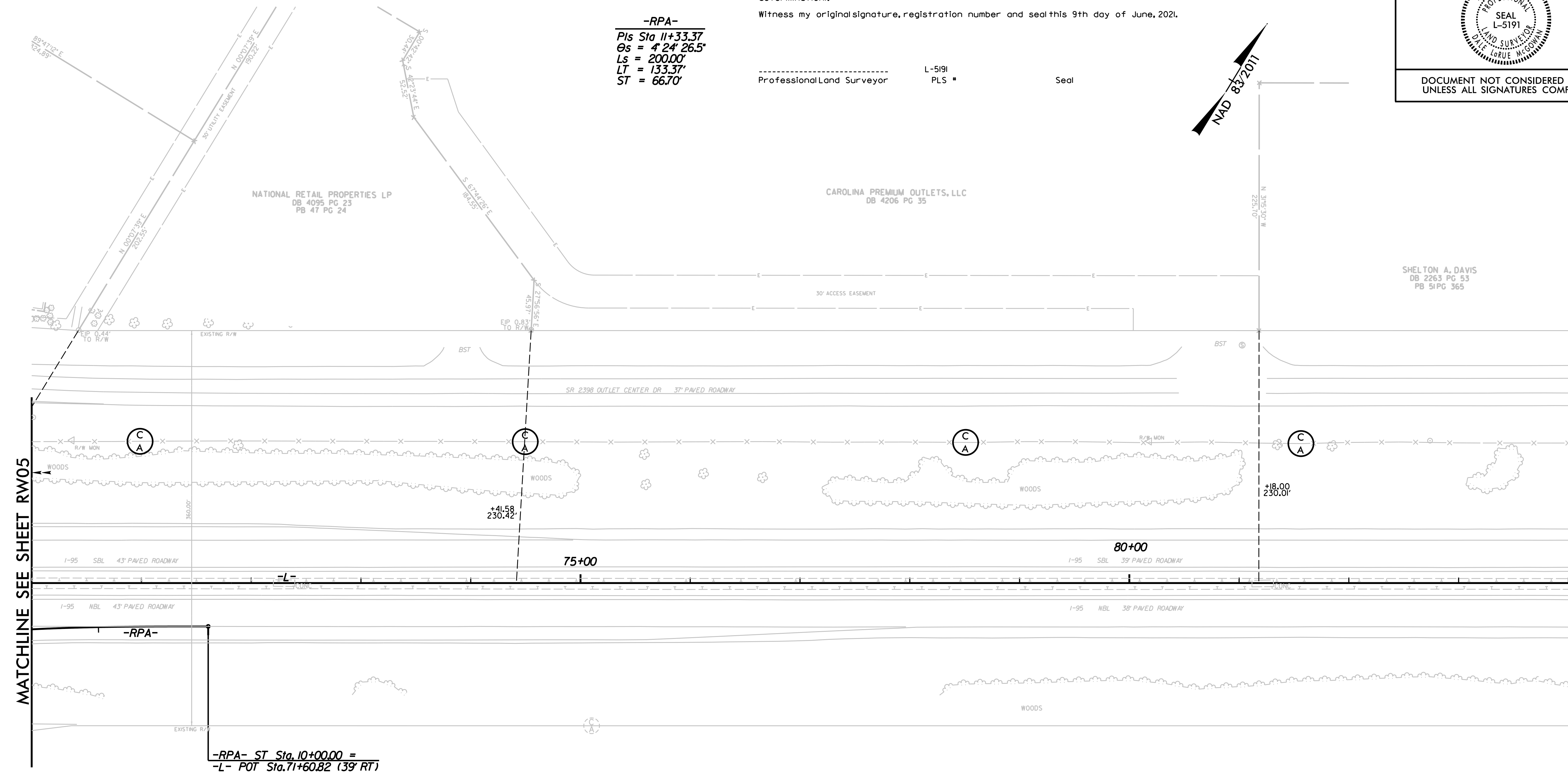
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UNLESS ALL SIGNATURES COMPLETED

I, DALE LaRUE McGOWAN, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

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Witness my original signature, registration number and seal this 9th day of June, 2021.

Professional Land Surveyor L-5191 PLS Seal



-RPA-
 Pls Sta 11+33.37
 $\theta_s = 4^\circ 24' 26.5''$
 $L_s = 200.00'$
 $LT = 133.37'$
 $ST = 66.70'$

NAD 83 2011

-RPA- ST Sta. 10+00.00 =
 -L- POT Sta. 71+60.82 (39' RT)

JOHN TIMOTHY HUGHES
JAMES WILLIAM HUGHES
DB 1293 PG 564

NOTES:

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MATCHLINE SEE SHEET RW05

6/2/2021

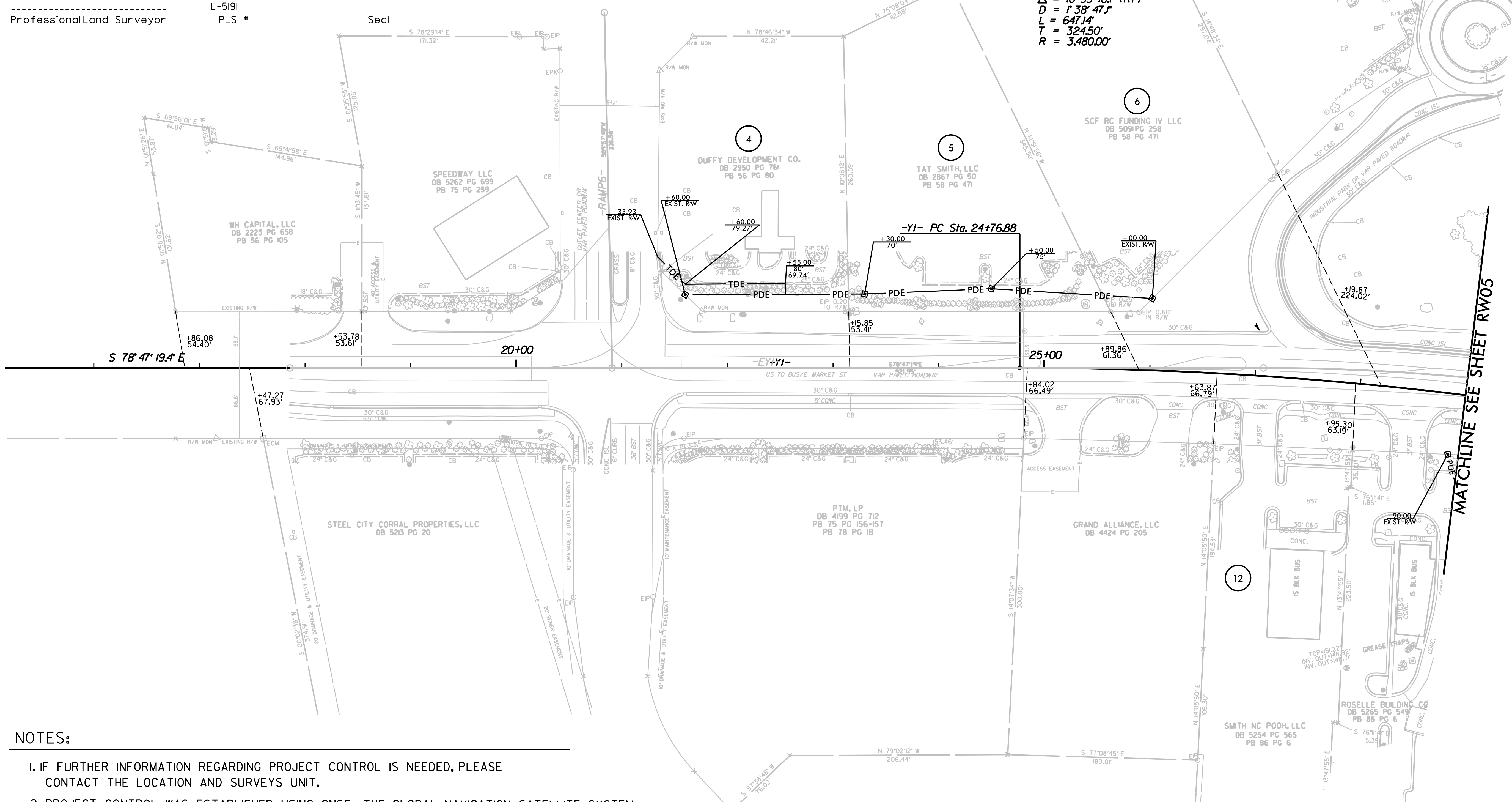
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Witness my original signature, registration number and seal this 9th day of June, 2021.

Professional Land Surveyor L-5191 PLS # Seal

PROJECT REFERENCE NO.	SHEET NO.
I-5972	RW07
Location and Surveys	
CH ENGINEERING	
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PROJECT SURVEYOR	
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REVISIONS

MATCHLINE SEE SHEET RW05

NOTES:

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Vertical text on the left margin containing project details and dates.

6/2/2021

NOTES:

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Professional Land Surveyor L-5191 PLS Seal

Location and Surveys



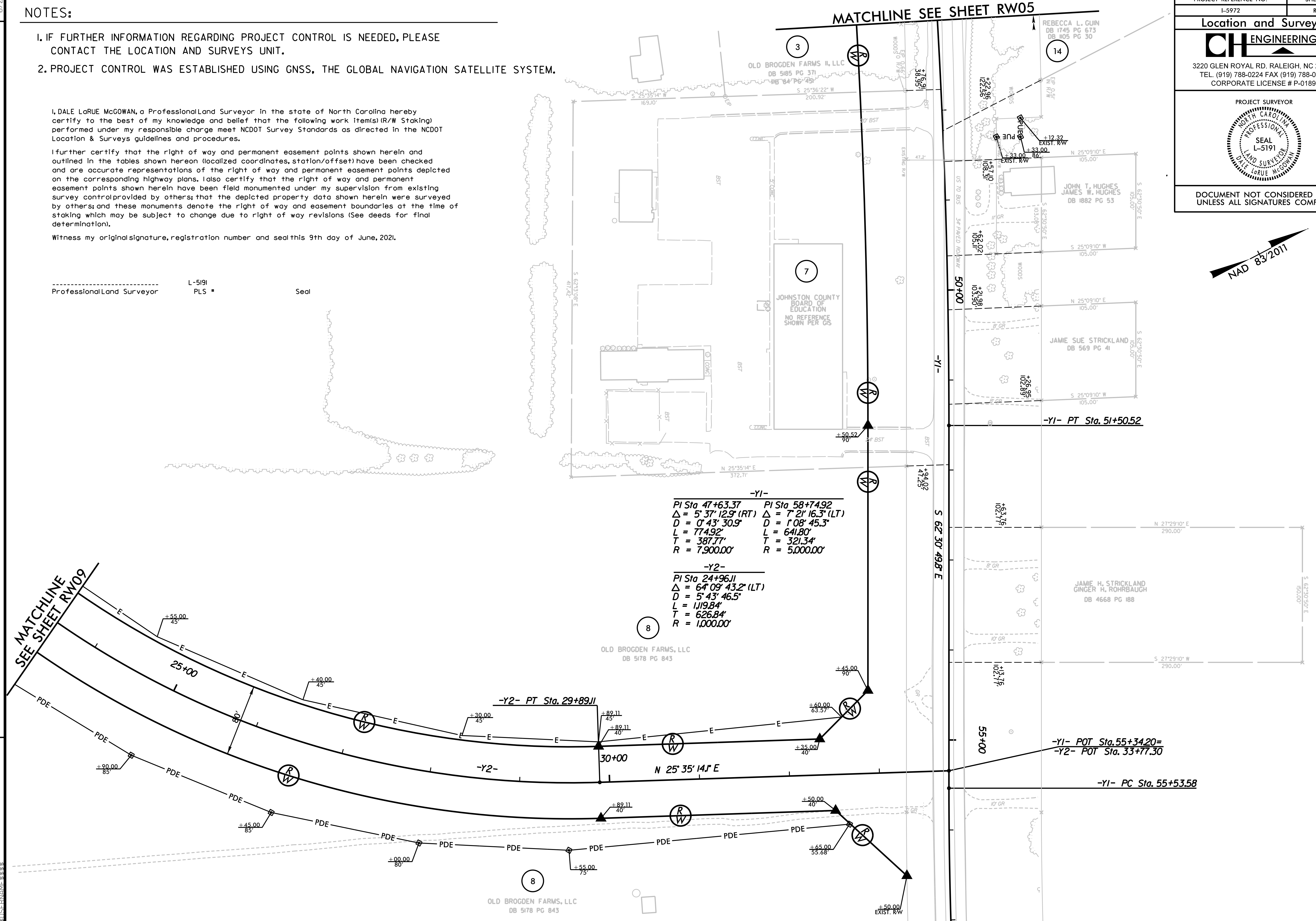
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REVISIONS



MATCHLINE SEE SHEET RW09

MATCHLINE SEE SHEET RW05

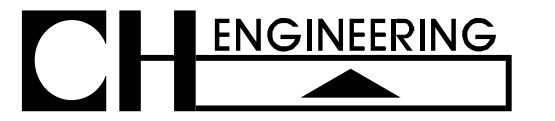
6/2/2021

6/2/2019

MATCHLINE
SEE SHEET RW05

PROJECT REFERENCE NO. I-5972 SHEET NO. RW09

Location and Surveys



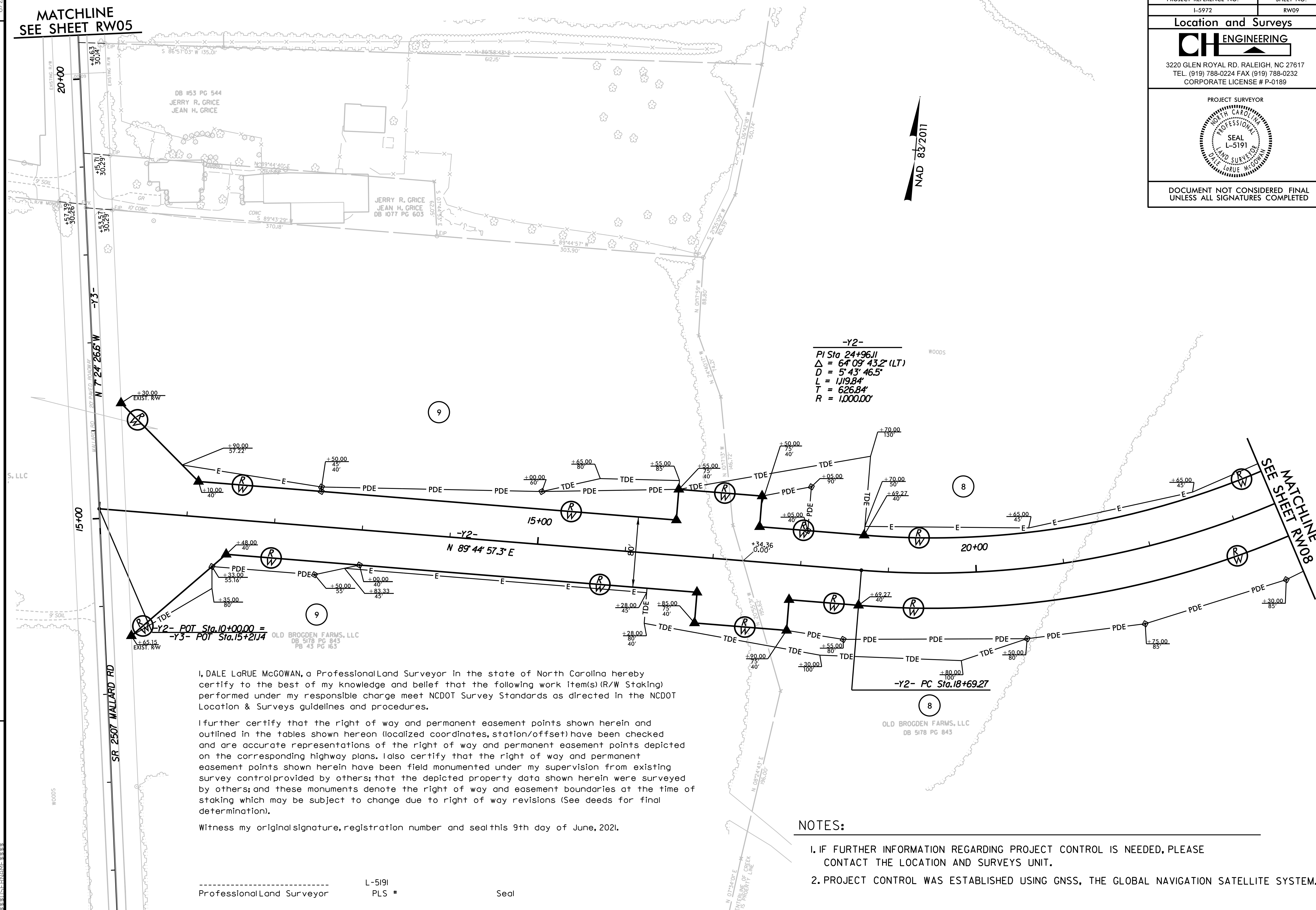
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TEL. (919) 788-0224 FAX (919) 788-0232
CORPORATE LICENSE # P-0189

PROJECT SURVEYOR



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REVISIONS



-Y2-
PI Sta 24+96.11
Δ = 6° 09' 43.2" (LT)
D = 5' 43' 46.5"
L = 1,119.84'
T = 626.84'
R = 1,000.00'

-Y2- POT Sta.10+00.00 =
-Y3- POT Sta.15+21J4

-Y2- PC Sta.18+69.27

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- 1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
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Professional Land Surveyor L-5191 PLS # Seal

6/2/2019

MATCHLINE
SEE SHEET RW08