DocuSign Envelope ID: EC552B2E-4A88-4DE7-956B-6EED75D6B3A2

PROJECT REFERENCE NO.	SHEET NO.
U-5826	RW04

Location and Surveys

ESP ASSOCIATES, INC.
2200 GATEWAY CENTRE BLVD. SUITE 216
MORRISVILLE, NC 27560

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3866 LAND SURVEYOR TOYNIA E.S. GIBBS

DocuSigned by: Toynia Gibbs 10/31/2019

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Toynia E.S. Gibbs, 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 date 10/31/2019.

DocuSigned by: Toynia Gibbs 3C0F0A4EC4A04 ---------- L-3866
Professional Land Surveyor PLS # Seal

-L-	-RPC-
PI Sta 13+96.43	PI Sta 20+79.80
Δ = 36° 33' 46.6" (LT)	Δ = 10° 14' 08.5" (LT)
D = 4° 46' 28.7"	D = 5° 05' 34.6"
L = 765.77'	L = 200.98'
T = 396.43'	T = 100.76'
R = 1,200.00'	R = 1,125.00'
DS = 50 MPH	
e = .04	
RUNOFF = 200'	

-Y10-	-Y10-
PI Sta 11+09.02	PI Sta 12+05.84
Δ = 32° 49' 25.0" (RT)	Δ = 3° 41' 57.2" (RT)
D = 23° 52' 23.7"	D = 9° 32' 57.5"
L = 137.49'	L = 38.74'
T = 70.69'	T = 19.38'
R = 240.00'	R = 600.00'

MATCHLINE -RPC- 17+00.00 SEE SHEET 9

MATCHLINE -L- 24+00.00 SEE SHEET 5

BEGIN TIP PROJECT U-5826
-L- STA. 13+00.00

NC GRID NAD 83 NA 2011

-RPC- PT Sta. 18+26.64
-RPC- 19+00.00 115.00' RT
-RPC- PC Sta. 19+79.04
-RPC- 21+20.00 95.00' RT
-RPC- PT Sta. 21+80.02
-L- PC Sta. 10+00.00
-L- PT Sta. 17+65.77
-L- STA. 16+12.92 = -RPC- STA. 22+92.49
-L- STA. 16+22.78 = -Y10- STA. 10+00.00
-Y10- PC Sta. 10+38.33
-Y10- PT Sta. 11+75.82
-Y10- PC Sta. 11+86.46
-Y10- PT Sta. 12+25.20
END CONST. -Y10- -Y10- POT STA.12+36.31
-Y10- POT Sta. 14+01.05
BEGIN EXIST. BRIDGE -L- POT STA. 21+18.17

S 28° 30' 50.5" E
S 38° 44' 59.0" E
S 38° 22' 18.0" E
S 51° 32' 53.0" E
S 1° 50' 55.9" E
N 41° 20' 46.0" E

1 NORTH RALEIGH CHURCH OF CHRIST
DB 4952 - PG 61
BM 1999 - PG 2285

2 MATTHEW D. TUSI & WIFE MONIQUE A.
DB 13476 - PG 2669
BM 1976 - PG 385

3 GILBERT HICKS & KOREN HARRISON
DB 13711 - PG 2248
BM 1976 - PG 385

4 TRAN & KIM NGUYEN
DB 14825 - PG 1242
BM 1987 - PG 1504

4A CLINTON L. GILBERT & WIFE KIMBERLY O.
DB 7625 - PG 465
BM 1987 - PG 1542

5 THORPSHIRE FARM HOMEOWNERS ASSOCIATION, INC.
DB 8283 - PG 2283
BM 1993 - PG 946

6 SUSANNE L. BUTLER
DB 16607 - PG 1852
BM 1993 - PG 946

7 HENRY JOHNSON & WIFE CHARLOTTE JOHNSON
DB 8377 - PG 2600
BM 1993 - PG 946

MAN T. NGUYEN & WIFE THUY SOAN
DB 6830 - PG 66
BM 1976 - PG 385

FIVE FORTY LAND GROUP, LLC
DB 11251 - PG 406
BM 1981 - PG 401

CHARLES CARROLL ALLEN & WIFE JACQUELINE ROSE
DB 1692 - PG 1542
BM 1987 - PG 1542

CHRISTOPHER C. WILSON & WIFE WHITNEY P.
DB 16447 - PG 38
BM 1987 - PG 1542

ROBERT W. P... & WIFE V...
DB 16...
BM ...

MICHAEL B. GRAVINESE
DB 8179 - PG 17
BM 1989 - PG 123

SR 2000 FALLS OF NEUSE RD 36' BST
54' CONC SW
7.5' CONC SW
60' CONC SW ON BRIDGE
CONC BRIDGE
I-540 RAMP 36' BST
I-540 RAMP 40' BST
CARRINGTON DR 25' BST
20' CITY OF RALEIGH EASM'T BM 1993 PG 946

REVISIONS

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.

31-OCT-2019 09:52
S:\Projects\U5826_RS2_HM01_037.001 U5826_con_esp6 RoFW Re-Staking\Submit\10-31-19 Project Redlines\U5826_ls_rw03e-4_191031.dgn
ESP6RS2020619