



# Taylor Wiseman & Taylor

ENGINEERS / SURVEYORS / SCIENTISTS

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## NORTH CAROLINA STATE UNIVERSITY CENTENNIAL CAMPUS

### Photogrammetric Survey

TWT Project #: 70636.6002.00

#### Aerial Control Panel Points

Point #	Northing	Easting	Elevation
1	729677.48	2090694.33	420.27
2	728911.49	2090612.12	425.54
3	730669.37	2091269.74	409.76
4	729581.30	2092423.88	383.24
5	729581.90	2093663.78	353.79
6	730063.71	2094846.72	320.30
7	731605.72	2092409.37	384.48
8	731770.93	2093607.64	361.88
9	731990.89	2094745.45	317.80
10	734798.03	2091601.59	287.24
11	735461.90	2092444.99	288.03
12	734585.35	2094806.14	295.32
13	735226.99	2093608.84	313.18
14	737498.67	2094815.26	339.80
15	730411.71	2095962.35	361.04
16	730728.70	2097049.15	334.82
17	732434.99	2095965.79	281.49
18	730760.49	2098258.45	284.80
19	732225.06	2097251.39	264.50
20	732889.93	2098331.06	279.26
21	731076.10	2099412.68	280.76
22	732081.04	2100497.96	261.98
23	735106.49	2095848.92	336.63
24	736043.99	2097004.00	372.88
25	734312.47	2097101.85	331.83
26	734387.37	2098283.47	357.64
27	736350.55	2098196.02	365.35
28	737964.94	2096036.46	371.79
29	737694.10	2097120.01	415.36
30	737598.76	2098296.48	388.87
31	733567.79	2099671.23	303.05
32	735649.16	2099539.12	368.00
33	738196.43	2099603.50	332.99

#### Survey Control Metadata:

Horizontal Datum: NAD83 (2011) NCSPCS

Epoch: 2010.00

Vertical Datum: NAVD88 (Geoid 2012a)

Units: U.S. Survey Feet

GPS Technique: Network RTK (VRS)

Date of GPS Survey: February 7, 8 & 20, 2013

GPS Ant. Type: Trimble R8-3 (GNSS)

GPS Ant. SN: 5005414850

Fixed Station: NCRD / PID: DG4687

WGS-84 Lat: 35°45'49.50796"N

WGS-84 Lon: 78°34'44.39449"W

Ellipsoid Height: 169.91

Geoid Height: -109.05

Class of Survey: "AA"

Adjustment: TGO Least Squares at 95% C.L.

Positional Accuracy: 0.04'

Project Combined Factor: 0.9999022553

This project is reported "at grid". No localization was performed on the data. The combined factor was calculated at panel #25

#### Survey Certification:

I, Chad T. Howard, certify that this report was prepared under my supervision, from an actual GPS survey made under my supervision, based upon the information specified above; and that this survey meets the requirements of the Standards of Practice for Land Surveying in North Carolina (21 NCAC 56.1600). Witness my original signature, registration number and seal this 12th day of March, in the year of our Lord 2013.



3/12/2013