



Project File	MGEO #1361 - Quantum I-26 Ridgeville LiDAR Control Report
Project Unit	NAD83 - State Plane Coordinate System - South Carolina - NAVD88 - International Feet
Date	Tuesday July 14 2015
Vertical Accuracy Objective	
Requirement Type	RMSE(z)
RMSE(z) Objective	0.1
Control Points in Report	13
Elevation Calculation Method	Interpolated from TIN
Control Points with LiDAR Coverage	13
Average Control Error Reported	0
Maximum (highest) Control Error Reported	0.13
Median Control Error Reported	-0.01
Minimum (lowest) Control Error Reported	-0.13
Standard deviation (sigma) of Error for sample	0.07
RMSE of Error for sample ( RMSE(z) )	0.07 PASS
NSSDA Achievable Contour Interval	0.3
ASPRS Class 1 Achievable Contour Interval	0.3
NMAS Achievable Contour Interval	0.3

Control Point Id	Control Point X	Control Point Y	Coverage	Control Point Z	Z from LiDAR	Z Error	Minimum Z	Median Z	Maximum Z
348	2217413.906	471605.2849	Yes	62.225	62.1	-0.13	62.02	62.09	62.14
346	2221559.3	469240.4448	Yes	68.37	68.31	-0.06	68.2	68.33	68.35
345	2223857.423	467479.0204	Yes	78.425	78.36	-0.06	78.27	78.34	78.4
321	2215250.938	472824.7237	Yes	61.38	61.33	-0.05	61.25	61.33	61.35
320	2221013.16	468876.2001	Yes	61.47	61.44	-0.03	61.38	61.44	61.49
317	2223396.582	468227.9302	Yes	62.795	62.77	-0.02	62.72	62.76	62.79
324	2218434.051	470851.7856	Yes	63.24	63.23	-0.01	63.01	63.12	63.26
347	2221911.257	468831.3894	Yes	67.54	67.55	0.01	67.53	67.53	67.57
344	2221970.95	469813.4577	Yes	61.885	61.91	0.02	61.87	61.9	61.93
318	2223163.431	467783.2895	Yes	69.66	69.7	0.04	69.66	69.72	69.74
342	2223396.203	470644.2745	Yes	61.16	61.22	0.06	61.18	61.19	61.29
323	2217107.802	471383.343	Yes	57.155	57.26	0.1	57.08	57.35	57.47
319	2221696.384	469472.5973	Yes	62.345	62.47	0.13	62.35	62.42	62.52