## SURVEY CONTROL SHEET R-2514D

Location and	Surveys
R– $2514D$	1C-3
PROJECT REFERENCE NO.	SHEET NO.

Longitudo	77°12'55.46485"W	Elevation	27.784sft	Easting	2534234.852sft	
Longitude				Easting		
Height	-94.092sft	Horz error	0.010sft	Elevation	27.782sft	
		Vert error	0.002sft	Utilized	Horz and Vert	
		3D error	0.010sft	Quality	Adjusted quality	
Point	R2514-15 GPS	Northing	477274.384sft	Point R2514-15		
Latitude	35°02'53.82459"N	Easting	2532367.167sft	Northing	477274.392sft	
Longitude	77°13'16.08227"W	Elevation	37.069sft	Easting	2532367.176sft	
Height	-84.670sft	Horz error	0.012sft	Elevation	37.071sft	
		Vert error	0.002sft	Utilized	Horz and Vert	
		3D error	0.012sft	Quality	Adjusted quality	
Point	R2514-16 GPS	Northing	478923.276sft	Point R2514-16		
Latitude	35°03'09.71350"N	Easting	2534716.028sft	Northing	478923.284sft	
Longitude	77°12'47.47979"W	Elevation	34.233sft	Easting	2534716.038sft	
Height	-87.520sft	Horz error	0.013sft	Elevation	34.234sft	
		Vert error	0.001sft	Utilized	Horz and Vert	
		3D error	0.013sft	Quality	Adjusted quality	
Point	R2514-17 GPS	Northing	488782.056sft	Point R2514-17		
Latitude	35°04'45.44499"N	Easting	2544527.004sft	Northing	488782.073sft	
Longitude	77°10'47.32099"W	Elevation	35.852sft	Easting	2544527.040sft	
Height	-85.910sft	Horz error	0.039sft	Elevation	35.869sft	
		Vert error	0.017sft	Utilized	Horz and Vert	
		3D error	0.043sft	Quality	Control quality	
Point	R2514-18 GPS	Northing	486820.575sft	Point R2514	-18	
Latitude	35°04'25.95814"N	Easting	2545021.401sft	Northing	486820.591sft	
Longitude	77°10'41.80660"W	Elevation	35.889sft	Easting	2545021.430sft	
Height	-85.910sft	Horz error	0.033sft	Elevation	35.889sft	
		Vert error	0.000sft	Utilized	Horz and Vert	
		3D error	0.033sft	Quality	Adjusted quality	

## DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "R2514-9"

WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 451335.4480 (ft) EASTING: 451335.4480 (ft) ELEVATION: 38.950 (ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999887960

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "R2514-9" TO -L- STATION 300+00 IS N16°36'14.94"E 6342.661'

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