TLS Data Collection Recommendation Summary:

CONTROL POINTS. Set up a sufficient number of control points on surveyed monuments within the surveyed area. Make sure they are at different depths, heights and angles from the scanner position. Put reflective material in the control points, (e.g., red reflective fabric material). Make separate high resolution scans of the control points.

SCAN RESOLUTION. Resolution determines the scan time. A window of time of 20 to 40 minutes per scan tends to work well.

SCAN AREA. A single scan should include a minimum of 3 control points as easily identifiable natural features if possible (e.g., trees, outcrops features, etc.). Use plenty of overlap area in adjacent scans (30 to 40 percent is ideal). Add extra space around the area that you want to scan to avoid accidentally cutting off the edge of the target.