

- $\Delta$  = Full Control Point (X, Y, Z)
- $\square$  = Horizontal ONLY Control Point (X, Y)
- $\circ$  = Vertical ONLY Control Point (Z)

**Remember: Clear, concise descriptions are extremely important for all picture points.**

**Sec. 5.06 Delivery of Control Point Information**

Once all control point values have been read and checked, and all contact prints annotated, the following items are to be delivered to the VDOT Photogrammetry Unit:

- The complete set of annotated contact prints (if applicable), Microstation .dgn design files, Adobe .pdf files, and/or Google Earth .kmz files.
- Photogrammetric control values in ASCII text format or spreadsheet format (ID-X-Y-Z separated with at least one blank space.)
- Hardcopy of ASCII, text formatted control coordinate file.<sup>◊</sup>

	<u>ID</u>	<u>X</u>	<u>Y</u>	<u>Z</u>
<b>Example of</b>	: 123321_101	3660547.009	434232.333	81.789
<b>ASCII File</b>	: 123321_102	3659553.271	434596.146	86.184
<b>Format</b>	: 123321_103	3660667.354	432287.107	76.176
	123321_104	3661443.659	432729.983	85.210

For projects having the Photogrammetry performed by VDOT forces, return the control information to:

State Photogrammetry Engineer  
VDOT  
1401 East Broad Street, Room 907  
Richmond, VA 23219

For projects having the Photogrammetry performed by consultant forces, send the control information to the prime survey firm, and copy the transmittal letter to the central office survey coordinator and the Photogrammetry manager. The following Photogrammetric Targeting Standards document will be included with all new control requests:

**Photogrammetric Control: Instructions to Surveyors**

Date of Request: _____	UPC: _____
Route: _____	Activity: _____
City/County/Town: _____	

<sup>◊</sup> April 2014