

the next stereo model. Steps 2 – 7 must be repeated for each stereo model within the project.

8. After the planimetry and utilities for the entire project have been compiled, edited, and checked as outlined above, the individual stereo model files will be merged (if necessary), and the utility data will be separated (if necessary) into a unique “utility” file. Each file (planimetric and utility) will be reviewed one final time for completeness and correctness by the shift supervisor. If any errors or omissions are detected, the shift supervisor may at his/her discretion, correct the file(s) themselves or return the file(s) to the Photogrammetry technician for correction.
9. The shift supervisor will notify the respective survey coordinator/survey technician/design technician by email or paper mail, when the files have been quality checked and approved. The shift supervisor will move the files to the appropriate location on the VDOT Survey server, and maintain hardcopy records in the paper file of all correspondence relating to the files and the project.

Digital Terrain Model Compilation, Editing, and Processing

The following steps are to be used for quality assurance of the digital terrain model (DTM) compilation, editing, and processing process.

1. Before starting digital terrain model compilation, the Photogrammetry technician will verify the following project-specific items and set up their work procedures accordingly:
 - Mapping Limits – delineate in separate CADD file or outline on contact prints.
 - Map Scale – use appropriate feature tables, symbology, resource files; and use appropriate point spacing and DTM compilation techniques.
 - Units – Metric or Imperial.
 - Required Contour Interval – verify/confirm with shift supervisor.
 - Required Map Accuracy – review with shift supervisor.
 - Scheduled Due Date – verify/confirm with shift supervisor.
 - Special Project Circumstances – review with shift supervisor.
 - Obscure Areas – if obscure areas have not been collected, delineate them in a separate Microstation file, or annotate on contact prints and submit to shift supervisor for submittal to the appropriate survey personnel. When obscure areas have been collected and delivered from survey, the file must be referenced, tied and merged as appropriate to the Photogrammetry data.
2. During DTM compilation, the Photogrammetry technician will perform continuous self-checks on the collected data.
3. Items to check include, but are not limited to:
 - Correct symbology and level structure as per the VDOT CADD and VDOT Survey manuals
 - Horizontal and vertical accuracy of collected break lines and spot readings
 - Appropriate point spacing and DTM collection technique
 - Thoroughness of collected features
 - Adequate coverage of project area
 - Compatible (appropriately-tied) data (between stereo models, field data, and other Photogrammetry data), and clean appearance of the data (fully edited)