Planimetric/Utility Compilation and Editing

The following steps are to be used for quality assurance of the planimetric and utility compilation and editing process.

1. Before starting planimetric and utility compilation, the Photogrammetry technician will verify the following project-specific items and set up their work procedures accordingly:
    - Mapping Limits – delineate in separate Microstation file or outline on contact prints.
    - Map Scale – use appropriate feature tables, symbology, and resource files.
    - Units – Metric or Imperial.
    - 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 planimetric/utility 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
    - Use of appropriate scales
    - Thoroughness of collected features
    - Adequate coverage of project area
    - Horizontal and vertical accuracy of collected features
    - Separation of utility information into a separate file
    - Compatible (appropriately-tied) data (between stereo models, field data, and other Photogrammetry data), and clean appearance of the data (fully edited)
4. Upon completion of the planimetric/utility compilation for each stereo model, all compiled data will be reviewed by the technician that collected the data.
5. Upon completing the self-check and making any necessary edits, the Photogrammetry technician will notify a senior level technician or shift-supervisor that they have completed the stereo model, and that they require a quality review of the data contained within that stereo model.
6. The senior-level technician or shift supervisor will review and check the planimetric and utilities in the stereo model following the criteria listed in #2 above. Any errors detected by the senior technician or shift-supervisor are to be noted to the technician collecting the data so that the technician may make any necessary revisions. These revisions will be reviewed by the senior technician or shift-supervisor before final sign-off on the stereo model. The date of the final sign-off will be indicated adjacent to the senior technician or shift-supervisor's endorsement.
7. The approved, final review must be signed-off and dated by the senior technician or shift supervisor performing the final review before the Photogrammetry technician proceeds to