Defects in Survey Plan Datasets

Common Issues and How to Avoid Them When Submitting a Survey Plan Dataset

NOTE: If you are required to re-submit a dataset, please ensure edits are made directly to the defect in your Survey Plan Dataset Submission dashboard. Do not make a new submission. Instead, please provide a corrected CAD file and CSV file, if necessary, and re-submit the dataset.

1. Lines Captured on the Wrong Layers in the CAD File

Defect Reasons	Resolution
Parcel lines / resolved lines / tie lines that are present in the Survey Plan are not included in the dataset.	Dataset must include, on the appropriate PMBC layers, all dimensioned lines that appear in the survey plan.
Polylines are used for features other than *Natural Boundaries*.	Except for *natural boundaries*, all linework must be lines or arcs, and **not** polylines.
Lines in the dataset are captured on the wrong CAD layer.	Ensure all lines are on the correct CAD layer: • Parcel lines within and coincident with the heavy outline must be included on the PMBC_PARCEL_LINE layer; • Interest lines within and coincident with the heavy outline must be included on the PMBC_INTEREST_LINE layer; • Surveyed connection lines – full length (not foreshortened), must be included on the PMBC_TIE_LINE layer; • Additional resolved parcel boundary lines that are not included as part of layer PMBC_PARCEL_LINE or PMBC_INTEREST_LINE must be included on the PMBC_RESOLVED_LINES layer. This includes surveyed lines on a Posting Plan. • Any other CAD entities, including all scenery, must be included on the PMBC_OTHER layer.
Radial lines are included in the dataset.	Radial lines generally should not be included; if they are included, they must be on PMBC_OTHER or non-PMBC layers.

2. Dataset Integrity Defects

Defect Reasons	Resolution
Lines are not broken at the surveyed parcel boundary intersection.	All parcel boundary lines must be broken at intersections with other surveyed parcel boundaries; lines must be broken as dimensioned.
Surveyed lines are mistakenly broken at the intersection of scenery lines.	Surveyed lines should not be broken at intersections with scenery linework.
Gaps and overlaps exist in the line work (lines do not connect at a single vertex at intersections).	All linework must meet at a single vertex, without gaps or overlaps.
Exaggerated lines (i.e. lines to witness posts) are not provided at full grid length.	Lines that are exaggerated on the survey plan must be shown at their actual dimensions in the dataset.
Foreshortened lines (i.e. lines to distant control) are not provided at full grid length.	Lines that are foreshortened or broken on the survey plan must be shown at their full length in the dataset.
Linework is duplicated.	All linework must be represented by a single entity; duplicated or overlapping linework must be removed.

3. Defects Specific to Certain Plan Types

Defect Reasons	Resolution
Parcel boundary lines in Posting Plans are shown on the PMBC_PARCEL_LINE layer.	Parcel boundaries on posting plan datasets must be shown on the PMBC_RESOLVED_LINES layer.
Individual building strata parcels are shown on the PMBC_PARCEL_LINE layer.	Datasets for Building Strata's must only show the parent parcel boundary (the heavy outline) on the PMBC_PARCEL_LINE layer. Individual building strata lots are not to be shown.
Individual air space parcels are shown on the PMBC_PARCEL_LINE layer.	Datasets for air space plans must only show the parent parcel boundary on the PMBC_PARCEL_LINE layer. The air space parcels are not to be shown.

4. Miscellaneous Defects

Defect Reasons	Resolution
The drawing is provided in the wrong UTM grid projection.	Before submission, verify your dataset is in the correct UTM grid projection.
The drawing has been provided in ground and not grid.	All dimensioned lines must be provided at full grid length.
The drawing uses an incorrect / inconsistent scale factor.	All dimensioned lines in your dataset must be provided at full grid length with a consistent and correct scale factor.
The Survey Plan Dataset contains data on PMBC layers that is not shown on the Survey Plan.	Only lines that are directly referenced on the Survey Plan must be included in the dataset.
The submission is missing control points that are shown on the Survey Plan.	Ensure that all Control Points on the Survey Plan are captured in your submission.

For additional tips and tricks in preparing Survey Plan Datasets for submission, please see: https://help.ltsa.ca/myltsa-enterprise/tips-and-tricks-survey-plan-dataset-creation