

Appendix XIII – Example of Project Boundary Authoring and Model File List

Remarks: Please read this Appendix in conjunction with Appendix XIV- Guidelines for Submission of Design and As-built BIM Models to LandsD.

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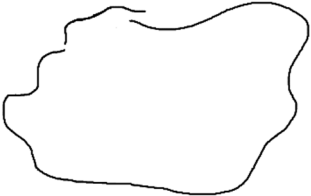
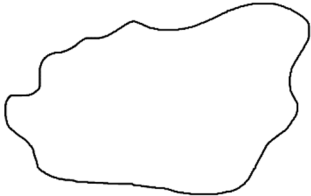
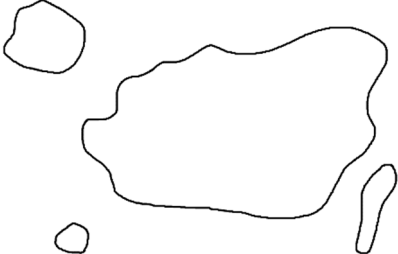
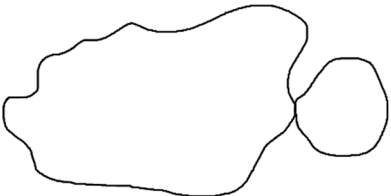
1. Project Boundary XIII-1

2. Model File List XIII-2

1. Project Boundary

- 1.1 The project boundary should be set up for BIM model per project. The boundary should be one or multiple closed outer lines of all model elements.

Table 1-1 Examples of Project Boundary

	
Not closed, overlapping x	Closed ✓
	
Multiple closed areas ✓	Multiple closed areas with intersection ✓

- 1.2 The project boundary in 2D should be provided and stored in a separated file in one of the following formats: DWG, Shapefile, or DGN format for each project. The file shall be named *Project boundary.dwg*, *Project boundary.shp*, or *Project boundary.dgn*, as appropriate, and be prepared in accordance with the following requirements:

a) Supported file format versions:

- DWG: 2018 or later
- DGN: V8
- Shapefile: Version 1.0.

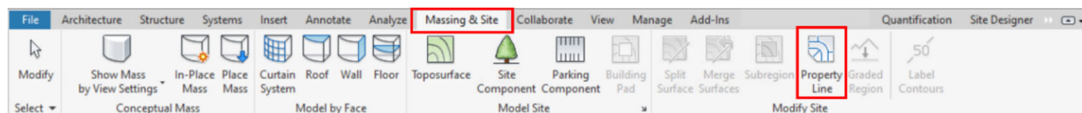
b) The setting of coordinate system should be HK1980 Grid and in meter.

c) Any object which is not related to the boundary should be hidden.

d) Reference blocks should be avoided.

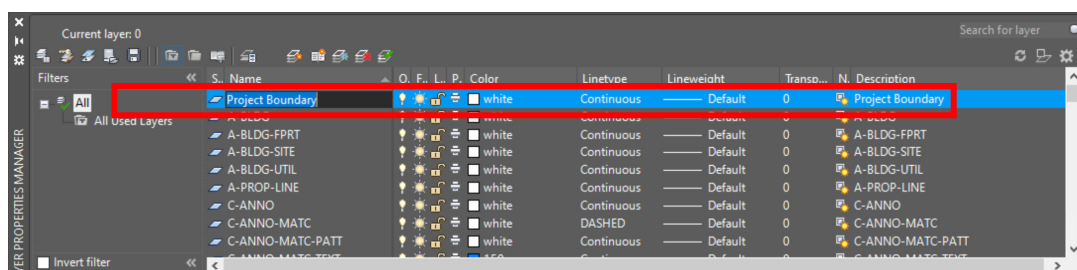
- 1.3 For Autodesk Revit model, a DWG file should be exported from the Revit project file to store the project boundary separately. The exported layer should be named as Project Boundary and it should be modelled as Property Line.

Figure 1-1 Call Out Property Line in Revit



- 1.4 For Civil 3D, the DWG file should be based on project specific Civil 3D template with project information. The layer should be named as Project Boundary and used continuous line as the line type.

Figure 1-2 Layer Setting for Project Boundary in DWG



- 1.5 WDs should follow Appendix XIV - Guidelines for Submission of Design and As-built BIM Models to LandsD to submit the project boundary to respective folder for effective data management on the GBDR.

2. Model File List

- 2.1 WDs should input the following information in model file list template and submit it to respective folder according to Appendix XIV - Guidelines for Submission of Design and As-built BIM Models to LandsD. An .xlsx file describes model file list can be downloaded from DEVB's Website:

https://www.devb.gov.hk/en/publications_and_press_releases/publications/devb-harmonisation-guideline/index.html

No.	Item
1	Serial Number
2	Model File Name
3	Description
4	Stage – Detail Design (D) / As-built (AB)
5	File Format
6	Software Version