# Digital Twin Victoria

Shaping our digital future



# eComply Framework Site Context Guidelines

Department of Transport and Planning

V1.1 – December 2023

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# 1. Background & Purpose

## 1.1 About eComply

Digital Twin Victoria in partnership with Australian start-up Archistar have delivered digital assessment technology designed to enable builders, building designers to test their 3D building designs against planning codes, making building compliance easier and faster for everyone in the process.

After industry trials and the release of the first commercial solution Digital Twin Victoria has developed an open framework aiming to encourage the adoption of digital building processes and the growth of digital assessment tools.

The framework presents data specifications and computational methodologies to assess building compliance for Victoria's Small Lot Housing Code. The framework can be used by those developing digital solutions, offering data services, or those trying to understand how eComply solutions function.

eComply is one piece of the <u>Digital Twin Victoria program</u>, an investment by the Victorian Government in digital twin technology and spatial innovation to help revolutionise how we plan and manage our built and natural environments.

### **1.2 Document Purpose**

The purpose of this document the Site Context Guidelines is to define a data specification to establish a digital representation of a residential development sites. The audiences of this document include:

- Land surveyors drafting site context products for eComply solutions.
- Computational designers developing eComply assessments.

The digital site context is made up of digital data representing cadastral, planning, elevation data, and BIM models representing the neighbouring infrastructure. The specification has been drafted for design standards from Victoria's Small Lot Housing Code.

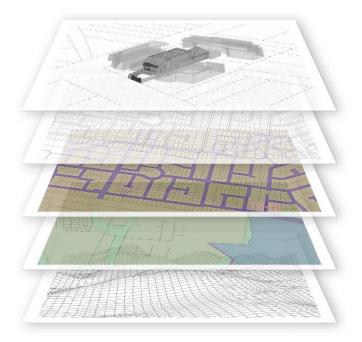


Figure 1 – The digital site context consists of multiple data layers representing the local urban context including digital boundaries, terrain, and the built form.

## 1.3 Applying the Guidelines

The methodologies within the Guideline can be used to develop commercial tools or digital data products.

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### **1.4 Companion Documents**

The eComply Framework consist of the following documents:

ID	Document	Description
1	BIM Drafting Guidelines	Guidelines for building designers to model 3D building information supporting eComply building compliance assessment.
2	Site Context Guidelines (This Document)	Guidelines for land surveyors to provider site context datasets – the 'digital twin' of the development site.
3	Assessment Practice Note	Computational practices to analyse and assess building compliance against residential design standards

# 2. Site Context Specifications

## **2.1 General Data Specifications**

#### 2.1.1 File Formats

eComply solution providers may support all or a subset of the following file format specifications.

Geospatial vector file formats provided in:

- GIS formats such as Shapefile, FileGDB, Geopackage.
- CAD formats such as DXF, and DWG.

CAD datasets must be georeferenced and configured to support the data requirements outlined within this document. An example list of CAD layers has been provided in the appendix.

Elevation / terrain to be provided in

- triangular irregular network or
- digital elevation grid formats.

3D model specifications are provided in the BIM Drafting Guidelines. Make note of reduced requirements for tagging and classification in section 2.3.2 of this document.

#### 2.1.2 Geolocation

Datasets provided in georeferenced using Geocentric Datum of Australia 2020 (GDA2020). Either referenced as GDA2020 (Latitudes and Longitudes) or as MGA2020 projection coordinates (Eastings, Northings and Zone). eComply solutions will define the appropriate coordinate system for the area being assessed.

Heights provided in Australian Height Datum (AHD).

**Note:** The positional accuracy (and completeness) of datasets impacts the reliability of eComply computations. Any cadastral or elevation datasets representing registered title boundaries must be sourced from a licensed land surveyor. Positional accuracy recommendations are provided throughout the document.

### 2.2 2D Vector Datasets

#### 2.2.1 Dataset Summary

A summary of vector datasets leveraged by eComply solutions.

ID	Mand- atory	Dataset	Geometry	Description
VLB	Yes	Lots	2D Vector - Polygon	Land allotment boundaries for the development site
VBC	Yes	Interfaces	2D Vector - Polyline	Linework representing lot boundary faces with orientation definitions and land use interface definitions
VRD	No	Roads	2D Vector – Polyline	Linework demonstrating road reserve boundaries.
VPZ	No	Planinng_ Zones	2D Vector – Polygon	Planning Zone information with additional restriction information from the scheme

#### **General guidelines**

- Follow the drafting methodology set out in <u>Land Use Victoria's Single CAD Format File</u> (SCFF) but utilise the dataset specifications from this document.
- Complex lot boundaries may not be supported by eComply solutions due to the need to model 3d envelopes from boundaries. A complex boundary contains more than two vertices.

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• Linework must be connected, closed, and snapped within each dataset and between datasets (with exception of externally sourced datasets such as planning zones).

#### **2.2.2 Dataset Specifications**

Vector data is provided as GIS or CAD formats to the following specification.

#### Land Title Boundaries (Lots)

eComply solutions use digital land title boundaries to represent the proposed or existing land allotments. The boundaries are referenced in computations such as set-back calculations and envelope modelling.

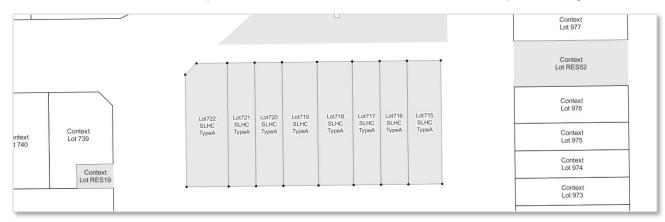


Figure 2 – Land Title Boundaries for Submission Lots and Context	Lots
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ID	Layer Naming & Drafting Notes	Data Attributes	Values
VLB (GIS)	Dataset Name – Lots Geometry - Drafted as polygon geometry (closed). Do not include any offsets,	<b>F_ID</b> Feature ID (integer)	Number Examples 1 2 3
	<ul> <li>easements, or text annotations.</li> <li>Data Lineage / Sourcing – Lot boundaries may be sourced from urban designers, licensed land surveyors, or existing digital products.</li> <li>Only boundaries provided by licensed land surveyors can be used to simulate compliance results by an official permit assessment i.e., by a building surveyor.</li> <li>Lot boundaries from urban designers or existing digital cadastral products may not be representative of the field surveyed boundaries and should be acknowledged as</li> </ul>	Lot_No Lot Number (character 12) Plan_No	Text Examples 1 RES Text Examples
		Plan Number (character 9)	LP1234
		SPI Lot Identifier (character 18)	<u>Text Examples</u> 1\LP1234 RES\LP1234
	an accuracy limitation within any eComply tool. Follow <u>ICSM guidelines</u> for cadastral spatial accuracy requirements.	SitingCode Assessment Code (character 10)	Fixed Text Values SLHC_TypeA SLHC_TypeB CTC_Type1
	<b>Siting Code</b> – Nominated planning code. Information for Small Lot Housing Code is found within title restrictions (s173 agreement, MCP) or nominated by the land developer.	Relating to Small Lot Housing Code site restrictions for types A,B,C used in planning assessments	CTC_Type2 CTC_Type3 (Empty)
		<b>Status</b> Lot Status (character 12)	<u>Fixed Text Values</u> Submission (To be submitted on) Context

ID	Layer Naming & Drafting Notes	Data Attributes	Values
			(Neighbouring)
VLB1 (CAD)	Submission Lots (CAD) Layer Name Structure – Lots\$Submission\${Code}\${Typology}	n/a	<u>Code</u> SLHC (Small Lot Housing code)
	e.g.		CTC Cairnlea Townhouse Code
	Lots\$Submission\$SLHC\$TypeA Lots\$Submission\$SLHC\$TypeB		Code Typology
	<b>Description</b> – Lots to be assessed by eComply solutions. Code nominated and Typology.		TypeA TypeB Type1 Type2
	<b>Geometry</b> - Drafted as closed land allotment polygon geometry (closed). Do not include any offsets, easements, or text annotations.		Type3 <u>Comparable SCFF Layers:</u> LOT-CREATED
	See data lineage notes in GIS layer. See comparable Single CAD Format File (SCFF).		RESTRICTION-CREATED
VLB2	Context Lots (CAD)	n/a	Comparable SCFF Layers:
(CAD)	Layer Name – Lots\$Context		LOT-EXISTING / CREATED / AFFECTED
	<b>Description</b> – Lots for neighbouring land titles surrounding the development proposal		RESERVE-EXSITING / CREATED / AFFECTED
	sites.		STAGE-LOT-EXSITING / CREATED / AFFECTED
	Geometry - see VLB1		COMMON-PROPERTY- EXSITING / CREATED / AFFECTED
	See data lineage notes in GIS layer. See comparable Single CAD Format File (SCFF)		
VLB3	Lot ID		Comparable SCFF Layers:
	Layer Name – Lots\$ID		TEXT-LOT-ID
	<b>Description</b> – Lot and plan identification for lots provided in other layers.		TEXT-STAGE-LOT-ID TEXT-COMMON- PROPERTY-ID
	Geometry – Annotation / Point		TEXT-RESERVE-ID

#### Interface Boundaries (Interfaces)

The interface boundaries define the orientation of lot boundary face and the land use of neighbouring lots. For example, rear laneway, or side street. Interfaces are leveraged to define setbacks, site access, and fencing requirements.

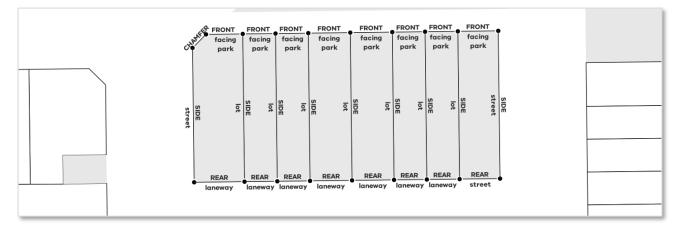


Figure 3 - Boundary with labelled 'side'	' and 'land use' condition	s
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ID	Layer Naming & Drafting Notes	Data Attributes	Values
VBC	Dataset Name – Interfaces	F_ID	Number Examples
(GIS)		Feature ID	1
	Data Lineage / Sourcing – The interface must be	(integer)	2
	drafted from on the lot boundary polygons used for eComply assessments. Not required for		3
	context lots.	Side	Fixed Text Values
		Boundary Side	Front,
	Geometry - Drafted as polyline geometry.	(character 10)	Side,
	Individual boundary segments running the length along each front, rear, side, splay (chamfer) boundary.	Describes the segment in relation to the desired house orientation.	Rear, Chamfer
	Aligning and snapped to lot boundaries for each		
	boundary side with orientations Front, Side, Rear, Chamfer (cut corner).	Interface	Fixed Text Values
	Chamer (cut comer).	LandUse Interface	Park
	The boundary segment is created once between	(character 20)	Street
	the two lots and should either represent the relationship between lots (i.e., side = rear & interface = lots). The interfaces definitions are weighted relative to the submission lot. Therefore, a boundary between a 'submission' lot and a park would be		Lot
		Describes the conditions on the	Lane
		adjacent lot of the boundary.	Declared Road
		Facing park is used when a park is on other side of street.	Facing Park
			Street
	defined as a park.		Laneway
VBC	Interfaces (CAD)		Side
(CAD)	Layer Name Structure –		Front
	Lots\$Interfaces\${Side}\${Interface}		Side
	e.g.		Rear
	Lots\$Interfaces\$Rear\$Lot		Chamfer
	Lots\$Interfaces\$Front\$Facing_Park		
			Interface
	Description – Layers comprising all interface		Park
	segments that fit the classification for side and context. One layer per interface combination.		Street
			Lot
	Geometry – Drafted from assessment lot		Lane
	boundaries in polyline format – see drafting noted		Declared_Road
	above.		Facing_Park
			Street
	See data lineage notes in GIS layer.		Laneway

#### Road Reserve (Road)

Defines the lot representing the road reserve. Optional layer.

ID	Drafting Notes	Data Attributes	Values
VRD (GIS)	Dataset Name – Roads Land lot representing the road reserve.	<b>F_ID</b> Feature ID (integer)	<u>Number Examples</u> 1 2 3
	<ul> <li>Data Lineage / Sourcing – (see Lots - VLB). Declared Road status can be determined by checking VicRoads map of declared roads – or alternatively reviewing precinct.</li> <li>Geometry – Drafted as polygon or polyline– matching existing lot cadastral boundaries</li> </ul>	<b>Type</b> Road Classification (character 20)	<u>Fixed Text Values</u> Declared_Road Street Laneway Other
		Name Road Name (character 20) For visualisation only	<u>Text Examples</u> Ridge Road Right of way (empty)
VRD1 (CAD)	Roads (CAD)         Layer Name Structure –         Roads\${Classification}         e.g.         Roads\$Laneway         Roads\$Declared_Road         Description – Layers comprising all roads         that fit the classification.         Geometry – See associated GIS layer         See data lineage notes in GIS layer. See         comparable Single CAD Format File (SCFF)	n/a	<u>Classification</u> Declared_Road Street Laneway Other <u>Comparable SCFF Layers:</u> ROAD-EXISTING / CREATED / AFFECTED
VRD2	Road_Name (CAD)	n/a	
	Description – Annotations of Road names Geometry – Annotation / Point		

#### Planning Zone

Planning zones define the extent of land use zone and restrictions for Victoria's planning scheme. The zones define design standard restrictions such as building height limitations.

ID	Drafting Notes	Data Attributes	Values
VPZ	Dataset Name – Planning_Zones	F_ID	Number Examples
(GIS)		Feature ID	1
	Geographic planning zones sourced	(integer)	2
	from VicMap. Describing the		3

ID	Drafting Notes	Data Attributes	Values
	geographic extent of the gazetted planning zone.	LGA Local Government Area (character45)	<u>Text Examples</u> City of Casey Brimbank City Council
	Data Lineage / Sourcing – This information is sourced from the <u>Victorian government</u> . The proposed data model is the minimum required elements from the VicMap Planning	Zone Zone_Code (character10)	Text Examples GRZ1 UGZ13
	dataset.	Height Height Restriction (m)	<u>Number Examples</u> 8
be a incl the sch zon	The Victorian government dataset can be augmented by the supplier to include specific restrictions found in the planning zone scheme and schedule documents relating to the zone. This information can be sourced via <u>Planning Schemes Online</u>	(integer) Sourced from planning zone documents for zone and Iga	10
		Stories Maximum Stories (integer)	<u>Number Examples</u> 3 5
	Geometry – Polygon	Sourced from planning zone documents for zone and Iga	
VPZ (CAD)	Planning (CAD)	n/a	n/a
To provide CAD versions usable by eComply data must be sourced from Victoria and translated in the following format. The following is a suggested structure only.			
	Layer Name Structure – Zone\${Zone}\${Height}\${Levels} e.g. Zones\$GRZ1 Zones\$UGZ11\$10\$3		

## 2.3 Elevation & 3D Datasets

#### 2.3.1 Datasets

A summary of elevation and 3D datasets leveraged by eComply solutions.

	ID	Man dato ry	Dataset	Geometry	Description
1	EV1	No	Terrain	TIN / Grid	Elevation data representing the natural ground level for the development site and neighbourhood
I	BB1	No	Buildings	BIM / IFC	3D building models for the local neighbourhood impacted by the development

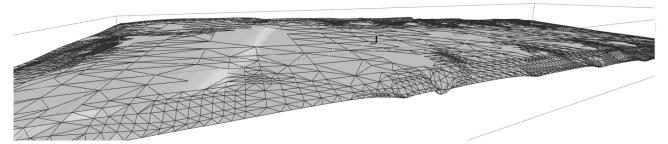
#### **General guidelines**

- Elevation datasets must be consistent with cadastral data.
- To encourage timely performance of computations the resolution specifications should not be exceeded, or datasets geographic extent expand far outside the development area.
- eComply solutions may not always support elevation / terrain datasets

#### **2.3.2 Dataset Specifications**

#### Topography (Terrain)

The terrain depicts the surface level as a surveyed ground levels or proposed levels for a development site. eComply solutions use the terrain represent the surface level in measurements.





ID	Drafting Notes	Specification	Values
EV1	Dataset Name – Terrain	Horizontal (XY) Resolution	< 1m2
	Only elevation data provided by licensed land surveyors can be used to simulate compliance results by an official permit assessment i.e., by a building surveyor. Elevation data from civil engineers or existing digital cadastral products may not be representative of the final or existing surface level and should be acknowledged		
		Horizontal Accuracy	+/- 0.3m
		Accuracy recommendations for data based on land survey	
		Vertical (Z) Resolution	< 0.3m
		Vertical (Z) Accuracy	< 0.1m
		Accuracy recommendations for data based on land survey	
	The elevation data should match the <u>ICSM</u> <u>DEM Classification</u> 'Special' "Surveys required for engineering and infrastructure design"		
	<b>Geometry -</b> Elevation data provided in Triangulated Irregular Network (TIN) format based on irregular points, or gridded points.		

#### Neighbourhood Buildings (Buildings)

The existing built form on neighbouring lots is surveyed and provided in a BIM format. The level of detail (LOD) requirements for BIM models in comparison to models assessed by eComply. Reference the BIM Drafting Guidelines for drafting requirements.

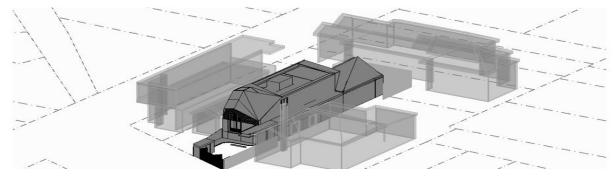


Figure 5 – BIM models for neighbouring lots

ID	Drafting Notes	Construction Object	IFC Class & Tagging
BB1	Dataset Name – Buildings	<b>Walls</b> Any Wall or Fence	Classification: IfcWall
	Data Lineage / Sourcing – The buildings must be surveyed and modelled.		
	The buildings surveyed should correspond to the building definitions in the Building Regulations 2018 – classes 1, 2, 10.	Windows Any external window. Mark as Habitable via parameter.	Classification: IfcWindow Parameter: IsHabitable (Y/N) WindowSillAHD (123)
	Models include walls, roof, windows, any structure with a wall-on-boundary, and secluded private open space must be nominated. Reference the BIM Drafting Guideline for drafting methodologies and	<b>Private Open Space</b> Any secluded or private open space modelled as a space.	Classification: IfcSpace Parameter: IsPrivateOpenSpace (Y)
	classification.	Site Boundary	Classification: IfcSite
	The AHD heights of windows is recorded to position the models correctly.	Lot boundary for building	
	Buildings must be sited onto their lot boundary within the BIM model to demonstrate their position relative to the lot with a georeferenced point (including elevation) on either the LHS or RHS of the lot frontage.		

# 3. Managing Site Context

Digital Twin Victoria recommends eComply solutions include the following functionality for managing site context information:

Functionality	Recommendation
Data Import	Import georeferenced vector and 3D data
Version Management	As the cadastral information will regularly change throughout a development lifecycle the site context information should allow multiple versions to be imported.
Metadata	The version, data sources, lineage, and known limitations should be communicated to users so they are aware the reliability of the digital compliance assessments. For example, if cadastral data comes from existing digital cadastre products it is not a trustworthy representation of a title boundary and the limitation must be known by the user.
Site template extracts	A building designer should be able to extract the site context to their BIM authoring software to site their building.
Siting of Neighbourhood BIM models	Neighbourhood BIM models should be able to be positioned with confidence based off the site surveys of licensed land surveyors.

# 4. Appendix

# 4.1 CAD layers based on feature classifications

CAD layer names based on the original Archistar Comply implementation with the following structure.

Yes         LotsStubmissionSSLHC\$TypeA         Polygon         Submission lots for SLHC           Yes         LotsStubmissionSSLHC\$TypeB         Polygon         Submission lots for SLHC           Yes         LotsStubmissionSSLHC\$TypeB         Polyline         Boundary definition for side and interface           Yes         LotsStubmissionSSLHC\$TypeB         Polyline         Boundary definition for side and interface           Yes         LotsStubmissionSSLHC\$TypeA         Polyline         Boundary definition for side and interface           Yes         LotsStubmissionSSLHC\$TronSFacing_Park         Polyline         Boundary definition for side and interface           Yes         LotsStubmissionStreat         Polyline         Boundary definition for side and interface           Yes         LotsStubmissionStreat         Polyline         Boundary definition for side and interface           Yes         LotsStubmissionStreat         Polyline         Boundary definition for side and interface           Yes         LotsStubmissionStabes         Polyline         Boundary definition for side and interface           Yes         LotsStubmissionStabes         Polyline         Boundary definition for side and interface           Yes         LotsStubmissionStabes         Polyline         Boundary definition for side and interface           Yes         LotsStubmissionStab	Manda tory	Dataset / Layer	Geometry	Description
Yes         LotsSInterfacesSFrontSPark         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFrontSStreet         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFrontSLot         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFrontSLane         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFrontSFrontSCate         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFrontSCate         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFrontSLaneway         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSSideSLane         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSSideSLane         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSSideSLane         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSSideSLane         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSSideSLane_Park         Polyline         Boundary definition for side and interface		Lots\$Submission\$SLHC\$TypeA	Polygon	Submission lots for SLHC
Yes         LotsSInterfacesSFrontSStreet         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFrontSLane         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFrontSLane         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFrontSEaring_Park         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFrontSEaret         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFrontSEaret         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFiceSEaret         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFiceSEaret         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFiceSEared         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFiceSEared         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFiceSEared         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFiceSEared         Polyline         Boundary definitin for side and interface	Yes	Lots\$Submission\$SLHC\$TypeB	Polygon	Submission lots for SLHC
Yes         LotsSInterfacesSFrontSLot         Polyline         Boundary definition for side and interface           Yes         LotsSinterfacesSFrontSLane         Polyline         Boundary definition for side and interface           Yes         LotsSinterfacesSFrontSDeclared_Road         Polyline         Boundary definition for side and interface           Yes         LotsSinterfacesSFrontSExtreet         Polyline         Boundary definition for side and interface           Yes         LotsSinterfacesSFrontSExtreet         Polyline         Boundary definition for side and interface           Yes         LotsSinterfacesSFiceSSideSPark         Polyline         Boundary definition for side and interface           Yes         LotsSinterfacesSSideSLot         Polyline         Boundary definition for side and interface           Yes         LotsSinterfacesSSideSLane         Polyline         Boundary definition for side and interface           Yes         LotsSinterfacesSSideSLane         Polyline         Boundary definition for side and interface           Yes         LotsSinterfacesSSideSLane         Polyline         Boundary definition for side and interface           Yes         LotsSinterfacesSSideSLaneway         Polyline         Boundary definition for side and interface           Yes         LotsSinterfacesSRearSSark         Polyline         Boundary definition for side and interface	Yes	Lots\$Interfaces\$Front\$Park	Polyline	Boundary definition for side and interface
Yes         LotsSInterfacesSFrontSLane         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFrontSDeclared_Road         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFrontSEacing_Park         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSFrontSLaneway         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSSideSPark         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSSideSLot         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSSideSLot         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSSideSLane         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSSideSLane         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSSideSLane         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSSideSLane         Polyline         Boundary definition for side and interface           Yes         LotsSInterfacesSReafSPark         Polyline         Boundary definition for side and interface     <	Yes	Lots\$Interfaces\$Front\$Street	Polyline	Boundary definition for side and interface
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Yes         Lots\$Interfaces\$Front\$Facing_Park         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Front\$Laneway         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Front\$Laneway         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Side\$Park         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Side\$Lot         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Side\$Lot         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Side\$Lane         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Side\$Eane_Road         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Side\$Eaneway         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Rear\$Eare         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Rear\$Lot         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Rear\$Lane         Polyline         Boundary definition for side and interface     <	Yes	Lots\$Interfaces\$Front\$Lane	Polyline	Boundary definition for side and interface
Yes         Lots\$Interfaces\$Front\$Street         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Front\$Laneway         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Side\$Exret         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Side\$Lat         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Side\$Lane         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Side\$Lane         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Side\$Eared_Road         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Side\$Eareet         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Rear\$Erest         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Rear\$Erest         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Rear\$Erest         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Rear\$Lane         Polyline         Boundary definition for side and interface <td>Yes</td> <td>Lots\$Interfaces\$Front\$Declared_Road</td> <td>Polyline</td> <td>Boundary definition for side and interface</td>	Yes	Lots\$Interfaces\$Front\$Declared_Road	Polyline	Boundary definition for side and interface
Yes         LotsSinterfaces\$Front\$Laneway         Polyline         Boundary definition for side and interface           Yes         LotsSinterfaces\$Side\$Park         Polyline         Boundary definition for side and interface           Yes         LotsSinterfaces\$Side\$Street         Polyline         Boundary definition for side and interface           Yes         LotsSinterfaces\$Side\$Lot         Polyline         Boundary definition for side and interface           Yes         LotsSinterfaces\$Side\$Lot         Polyline         Boundary definition for side and interface           Yes         LotsSinterfaces\$Side\$Declared_Road         Polyline         Boundary definition for side and interface           Yes         LotsSinterfaces\$Side\$Eare         Polyline         Boundary definition for side and interface           Yes         LotsSinterfaces\$Side\$Eare         Polyline         Boundary definition for side and interface           Yes         LotsSinterfaces\$Side\$Eareway         Polyline         Boundary definition for side and interface           Yes         LotsSinterfaces\$Rear\$Street         Polyline         Boundary definition for side and interface           Yes         LotsSinterfaces\$Rear\$Lot         Polyline         Boundary definition for side and interface           Yes         LotsSinterfaces\$Rear\$Lane         Polyline         Boundary definition for side and interface	Yes	Lots\$Interfaces\$Front\$Facing_Park	Polyline	Boundary definition for side and interface
Yes         Lots\$Interfaces\$Side\$Park         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Side\$Street         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Side\$Lot         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Side\$Lane         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Side\$Eclared_Road         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Side\$Eclared_Road         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Side\$Street         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Side\$Laneway         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Rear\$Park         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Rear\$Lot         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Rear\$Lot         Polyline         Boundary definition for side and interface           Yes         Lots\$Interfaces\$Rear\$Lot         Polyline         Boundary definition for side and interface <td>Yes</td> <td>Lots\$Interfaces\$Front\$Street</td> <td>Polyline</td> <td>Boundary definition for side and interface</td>	Yes	Lots\$Interfaces\$Front\$Street	Polyline	Boundary definition for side and interface
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d         Yes       Lots\$Interfaces\$Chamfer\$Facing_Park       Polyline       Boundary definition for side and interface         Yes       Lots\$Interfaces\$Chamfer\$Street       Polyline       Boundary definition for side and interface	Yes	Lots\$Interfaces\$Chamfer\$Lane	Polyline	Boundary definition for side and interface
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	Yes	Lots\$Interfaces\$Chamfer\$Laneway	Polyline	Boundary definition for side and interface

Manda tory	Dataset / Layer	Geometry	Description
No	Lots\$Context	Polygon	Lots for neighbouring site
No	Roads\$Declared_Road	Polygon	Road reserve classified by hierarchy
No	Roads\$Street	Polygon	Road reserve classified by hierarchy
No	Roads\$Laneway	Polygon	Road reserve classified by hierarchy
No	Roads\$Other	Polyline	Unknown roads
No	Lot\$ID	Annotation	Lot and Plan IDs
No	Roads\$Name	Annotation	Road Names
No	Zones\$GRZ2\$11.5\$3	Polygon	Example Only: Planning Zone for Casey City Council with Height limitations from planning schedule
No	Zones\$UGZ3	Polygon	Example Only: Planning Zone for Casey City Council where no addition specifications apply

# 5. Document Control

# **Contact for Enquiries**

Please address any questions regarding this document to:

Email: digitaltwinvictoria@delwp.vic.gov.au

### **Document History**

Version Date		Author	Summary of changes
1.1	20 12 2023	Luke Bassett	Document Release