Stringer ePlan - Victoria

Workbook - Version 2.0

May 2019





Environment, Land, Water and Planning

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Stringer ePlan - Victoria

Workbook - Version 2.0

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1. Introduction to ePlan

ePlan is a national initiative spearheaded by the Intergovernmental Committee on Surveying and Mapping (ICSM) to replace the existing paper and PDF cadastral plans with a new electronic file format (ePlan). This enables the computerisation and automation of many industry and government processes resulting in a more efficient land administration business with higher quality of cadastral data. The ePlan implementation project in Victoria consists of the following:

- A Victorian ePlan Protocol
- · ePlan supported survey software packages
- Internal government systems to manage ePlan throughout the land administration process.

This document provides guidance in the use of the ePlan supported survey software package – Stringer ePlan. The following sections explain the basic requirements for compiling an ePlan and an overview of how to create this in Stringer ePlan.

2. Install Stringer ePlan

Stringer ePlan can be downloaded from the following link:

http://www.stringersurvey.com.au/index.php/download/#stringer-eplan

To receive a license, contact sales@civilsurveysolutions.com.au

3. Stringer ePlan Workflow

Settings	 Company Settings - set up the company credentials Change Jurisdiction - the State jurisdicition Project Settings - define the project
Enumerate	 Select CAD objects to enumerate including: Parcels Points Segments Occupation
Annotate	 Set up Parcel linkages for Parcels ePlan Annotations
Review	 List all the enumerated data to review and edit: Parcels list Monument points list COGO points list Segment List Parcel report
Export	 Export ePlan - generates an ePlan file for lodgement. Validate ePlan Create PDF

4. Deliverable

Stringer ePlan creates an XML file direct from CAD as an ePlan file. This XML includes the required data for creating an application in SPEAR and a PDF plan for your survey.

5. Getting started with ePlan

Stringer ePlan enables attribution and enumeration of CAD drawing objects for creating ePlans to lodge online in SPEAR at Land Use Victoria (Land Registry Services).

Stringer ePlan supports small to large scale plans by enumerating CAD files. Stringer ePlan operates in AutoCAD®, AutoCAD® Civil 3D® and BricsCAD® and directly enumerates objects in your drawing.

After installing Stringer ePlan, a ribbon is added to the CAD package.



An ePlan file can be created by using various tools from left to right in the ribbon.

To begin open the sample file (Start_ Drawing.dwg) located in:

- C:\CSS Training Data\Stringer ePlan\For Civil 3D\VIC
- C:\CSS Training Data\Stringer ePlan\For AutoCAD\VIC
- C:\CSS Training Data\Stringer ePlan\For BricsCAD\VIC

You will find the following objects in the sample drawing file:

- · Parcels
- Easements
- Road
- Traverses
- Radiations



5.1 Company Setting

Settings

· Company Settings - set up the company credentials

- · Project Settings define the project
- Jurisdiction the State jurisdicition

In this section, you can enter and save your company details once for future use.

The Company Settings icon allows you to add the name of the surveying firm, and the name of the licensed surveyor including the registration number. You can also add the name of the draft person in this window and 1234 as a random number.



Click on the Company Settings ^{Company} icon and the following form will be displayed:

🖌 Stringer ePlan - Company Settings		×
New data		
	O New company New Surveyor	
Enter new Surveyor Name and Number, separated by a	Jason Coghlan 3265 Add new d	ata
Company data		
Company name	Civil Survey Solutions V Delete Comp	bany
Surveyor name	Jon Rasmussen 1000 V Delete Surve	eyor
	Cancel Save and E	Exit

- 1. Click on the item you want to add
- 2. New Company
- 3. New Surveyor Enter Surveyor Name and Number separated by a pipeline key (|) with pressing Shift+
- 4. Click 'add new data'. It will add the Company name and Surveyor name. Click 'Save and Exit'

5.2 Project Settings

🗲 Stringer ePlan - Project Information		— 🗆 X
Project		
Survey Firm		Land Use Victoria ~
Jurisdiction		Victoria
Plan Number		PS123456A
Surveyors Reference		1 Ver. 1
Licensed Surveyor (and registration Number)		Davood Shojaei 1234 ~
Data Entry By:		Davood Shojaei 1234
Purpose of Survey		Select Section 22-Plan of Subdivision ~
Head(s) Of Power		Select Subdivision Act 1988 V
Survey Format		Level Land
Survey Type		surveyed ~
Admin Areas Select	LGA ~	LGA CORANGAMITE SHIRE 315 ~
Coordinate System		MGA2020_Zone54 V
Reference Surveys		~
Survey Description		
Date of Survey		2019-05-06
		Canada Sava and Sava
		Cancel Save and Exit

Complete the fields as shown below:

- **Survey Firm**: Click on the drop-down list and select your company name that was created in the Company Settings form
- · Jurisdiction: Will be set once you click on the Stringer ePlan icons e.g.: VICTORIA
- Surveyor Reference: Manually add the reference required
- Licensed Surveyor: Select from the drop-down list which was created in the Company Settings form the Surveyor|Number
- Data Entry By: Select from the drop-down list
- **Purpose of Survey:** Click on the 'Select' button and select what type of survey e.g.: Plan of Subdivision. If you require more than one, hold Control down and add to your selection
- Head(s) Of Power: Click on the 'Select' button e.g.: Subdivision Act 1988. If you require more than one, hold Control down and add to your selection.
- · Survey Format: Select from the drop-down list (Level Land)
- Survey Type: Select from the drop-down list (Surveyed)
 - Survey Type refers to whether the plan is based on survey, non-survey or partial survey. ePlan uses slightly different terminology as follows:
 - > Surveyed = Survey
 - > Computed = Non-survey
 - > Compiled = Partial-survey
- Admin Areas: Click on the 'Select' button and tick on the administrative area type (on top of the page) and select the name of area from each list. You can search for area name based on the first character. Select CORANGAMITE SHIRE, SKIPTON, SKIPTON TP for LGA, Parish and Township respectively. **NOTE: You don't need to assign the locality.**
- Co-ordinate System: Select a value from drop-down (e.g. MGA2020_Zone54)
- Reference Surveys: NOT Required
- Survey Description: NOT Required
- Date of Survey: Pick the date from the drop-down calendar
- Default Scale Factor: NOT Required
- · Click the 'Save and Exit' button to save items from the face sheet

5.3 Change Jurisdiction



Click on Change Jurisdiction icon and select from the list below. For a Victorian plan, select 'Victoria'.



6. Enumerate

Enumerate

- Select CAD objects to enumerate including:
- Parcels
- Points
- •Segments
- Occupation

6.1 Enumerate Parcels

After completing the first step, you can now enumerate objects in your drawing.

To create a parcel in Stringer ePlan use the Enumerate Parcel Tool. This tool is used for open and closed polylines to create parcels.

NOTE: Lines cannot be enumerated. Lines need to be converted into polylines. Use the command 'PE' to convert a line to a polyline. Closed polylines can be created using BPOLY.



icon

- Click on the Enumerate Parcels
- · Click on the closed polyline around the border of the Lot
- The Enumerate Parcels Window will pop up

Complete the form for the cancelled parcel as follows:

• Enter the name of the parcel in the box top left: (1:PS716856)

NOTE: To become familiar with the Parcels naming convention, please refer to Section 2 of ePlan Handbook.

- · Select 'extinguished' for Action in the drop-down for cancelled parcels
- · Parcel Intent: Lot
- Parcel Type: Single
- Parcel format: Standard
- For Extinguished parcels provide the Volume and Folio (Vol/Fol) and choose the title type. Type the Vol/Fol in at the top (11439/484) and select 'Freehold' as Title Type. Also add the address to the parcel.

There is other information in this window which will be described later in this workbook.

- Enumerate Parcels Window
 - Assigned: The Assigned Bearing and Distance is assigned by the user which can be different from the calculated ones. The assigned values will overwrite the calculated ones and will be exported to ePlan LandXML.
 - Area: is the actual closed area from the linework
 - REG Area: This is the area that you would like to assign to this parcel and export in ePlan
 - Action: Select a state such as created, existing, extinguished for the parcel from the drop-down list
 - Parcel Intent: This drop-down is used to define various parcel types such as Lot, Easement, Common property
 - Parcel Type: This drop-down is used to define parcel type. It can be single, part, multipart or Administrative.
 - Parcel Format: This drop-down is used to define a Parcel Format. This can be Standard, Geometry (for easements), or 2D building for Lots including building boundaries.
 - 'Add link' is used for defining Restrictions, or Depth limitation

 Description: This field adds a description to a parcel (for example, road name or description for a restriction, or an SPI for extinguished Crown Allotments (e.g., TP123456).

PS716856			Maker	ne/Foliox	11439/484		A Title Turne	Freehold	~	Location	Address 001	
5710050			Volun	ne/Foliox	11403/404		Intie Type	Freehold			-	
Reverse	Direction of F	Parcel					\sim			<ade< th=""><th>d Links></th><th></th></ade<>	d Links>	
From	То	Calc Brg	Assigned Brg	Brg	Туре	Calc Dist	Assigned Dist	Dist Type	Radius	Purpose	Arc.L	B
1	2	189.5212	189.5212	Meas	sured	50.287	50.287	Measured	0	normal	0	
2	3	281.0000	281.0000	Meas	sured	40.750	40.750	Measured	0	normal	0	
3	4	9.4445	9.4445	Mea	sured	49.616	49.616	Measured	0	normal	0	
4	1	100.0320	100.0320	Meas	sured	40.850	40.850	Measured	0	normal	0	
From 1 Actual Assigned Type	Bearing 189.5212 189.5212 Measured Apply Rou	To 2 Distant 50.287 50.283 V Measu ndings	7			Segment Purpos	Centroid	5		extinguished	Upload	× × ×
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Below is a screenshot of the final enumeration of parcels:



NOTE: Once you have enumerated the parcel, click 'Save and Exit'. This will add a Centroid Point to the drawing and add the Lot Number and Area text to the parcel you just enumerated. If you need to edit the parcel, click on the Parcel Number and name text and the window will pop up.

Enumerated Parcel Points are added automatically as:

- Survey Point Type: boundary
- State: proposed

Centroid Points are added as

· Survey Point Type: sideshot

• State: proposed

6.1.1 The Address Form

Click on 'Add Address' to include the information in the following window:

🖌 Location Address						E ×
LocationAddress_001	Complex Name Admin	istrative Area 🛛 📿 Road Nam	e			
	Complex Name			Address Type		
	Description				Primary	~
	Priority		1 🜲	Flat Type	<none></none>	\sim
				Flat Number		
	Administrative Area					
	Admin Area Type	Locality	~	Floor Level Type	<none></none>	~
	Admin Area Name	cality SKIPTON 102757	~	Floor Level Number		
	Post Code		3361			
	PostCode	L	3301	Number First		41
	Road Name			Number Suffix First		
	Road Name		BLAKE	Number Last		
	Road Name Type	Street	~	Number Suffix Last		
	Road Name Suffix	<none></none>	~			
	Road Type	Private	~			
Delete Add	Parcel Reference	<none></none>	~		Quit Save Sa	ve and Exit
[],						

- Click on the 'Add' button, bottom left
- Tick on 'Administrative Area & Road Name' at the top
- · Complete the Administrative Area fields
- Admin Area Type: Select Locality from the drop-down
- Admin Area Name: Select a value from drop-down list (Skipton)
- Post Code: e.g. 3361
- Road Name: Blake
- Road Name Type: Select a value from the drop-down list (e.g. Street)
- Road Name Suffix: Select a value from the drop-down list (e.g. None)
- Road Type: Select a value from the drop-down list (Public NOTE: For private roads select 'private')
- Parcel Reference: None
- Address Type: Select a value from the drop-down list (e.g. Primary)
- Number First: (e.g. 41)

Click the 'Save and Exit' button to add the address to this parcel.

NOTE: If you DON'T want the address added to the parcel click 'QUIT'. If you have already given an address to a parcel, and no longer want it, click on the address in the parcel and then click 'QUIT'. The address will be removed from that parcel. You don't need to add address for created Lots, unless required.

You must enumerate all parcels in the plan by repeating the above steps. Make sure you have created the closed parcels for the 2 new Lots that are being created from the extinguished parcel.

6.1.2 Enumerate all Lots

The next step is to enumerate the other 2 new Lots.

• Lot 1

Bearing Distance Actual 280.5626 40.803 Assigned 280.5626 40.803 Apply Roundings Res Type Measured Segment Purpose	Radius 0.000 0.000 0.000 0.000	d 0.000 d 0.000 d 0.000 d 0.000	0 normal 0 normal 0 normal 0 normal	Arc.L 0 0 0 0	<add links=""> Bdy.Desc <none> <none> <none> <none> Upload</none></none></none></none></add>
10 11 280.5626 280.5626 Measured 40.803 40.803 Measured 9 11 9.4445 9.4445 Measured 24.660 24.660 Measured 14 9 100.0320 100.0320 Measured 40.850 40.850 Measured 10 14 189.5212 189.5212 Measured 25.290 25.290 Measured 10 14 189.5212 189.5212 Measured 25.290 25.290 Measured From 10 To 11 Centroid Centroid Centroid Actual Bearing 280.5626 Distance 40.803 Irregular Bdy Res Assigned 280.5626 40.803 Segment Purpose normal	0.000 0.000 0.000 0.000	d 0.000 d 0.000 d 0.000 d 0.000	0 normal 0 normal 0 normal 0 normal	0 0 0	<none> <none> <none> <none> <none></none></none></none></none></none>
9 11 9.4445 9.4445 Measured 24.660 24.660 Measured 14 9 100.0320 100.0320 Measured 40.850 40.850 Measured 10 14 189.5212 189.5212 Measured 25.290 25.290 Measured 10 14 189.5212 189.5212 Measured 25.290 25.290 Measured 10 14 189.5212 189.5212 Measured Image: Constraint of the state of the sta	0.000 0.000 0.000	d 0.000 d 0.000 d 0.000	0 normal 0 normal 0 normal	0 0	<none> <none> <none></none></none></none>
14 9 100.0320 100.0320 Measured 40.850 40.850 Measured 10 14 189.5212 189.5212 Measured 25.290 25.290 Measured rom 10 To 11 Centroid Image: Control of the second sec	0.000	d 0.000 d 0.000	0 normal 0 normal	0	<none></none>
10 14 189.5212 189.5212 Measured 25.290 25.290 Measured 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10	0.000	d 0.000	0 normal	0	<none></none>
rom 10 To 11 Centroid ctual 280.5626 40.803 Irregular Bdy ssigned 280.5626 40.803 Apply Roundings Res ype Measured V Measured V Segment Purpose normal					
Bearing Distance uctual 280.5626 40.803 issigned 280.5626 40.803 Apply Roundings Res ype Measured V	15	15		 ✓ Create 	Upload
Assigned 280.5626 40.803 Apply Roundings Res type Measured Measured Segment Purpose normal				REG Area	Area : 1019.
ype Measured V Measured V Segment Purpose normal			-		
	et	eset		Action create	ad
	~	normal ~		cel Intent Lot	
Parcel Owner Segment Desc Segment Desc	Segment Desc <none> ~</none>			cel Type Single	9
lisclose : 100.2445 0.000 1:281762.8 Parcel Use <pre></pre>	<none> ~</none>		Parcel Format Standard		lard
E 0.000 dN 0.000					
escription					

• Lot 2

🗲 Stringer ePlan -	Parcel										· □ >
2:PS123456										<4	Add Address>
										•	Add Links>
From	То	Calc Brg	Assigned Brg	Brg Type	Calc Dist	Assigned Dist	Dist Type	Radius	Purpose	Arc.L	Bdy.Desc
8	12	281.0000	281.0000	Measured	40.750	40.750	Measured	0.000	normal	0	<none></none>
11	8	9.4445	9.4445	Measured	24.956	24.956	Measured	0.000	normal	0	<none></none>
10	11	100.5626	100.5626	Measured	40.803	40.803	Measured	0.000	normal	0	<none></none>
12	10	189.5212	189.5212	Measured	24.997	24.997	Measured	0.000	normal	0	<none></none>
Actual	B Bearing 281.0000	ſ	12 Distance 40.750		🗌 Irregul		Centroid	13		Create REG Area	Upload Area : 1018.233
Assigned	281.0000		40.750		App	ly Roundings	Rese	t		Action created	~
Туре	Measured		✓ Measured	~	S	Gegment Purpose	normal	~	Parce	el Intent Lot	~
		Parcel O	wner	~		Segment Desc <none></none>			Parc	cel Type Single ~	
Misclose : 318.1 dE 0.000 dN 0		:368358.6				Parcel Use	<none></none>	~	Parcel	Format Standard	I ~
Description											
						Select Parcel	Save to File		Save	Save and Exit	Cancel

6.1.3 Enumerate an Easement Parcel

Creating an easement is like creating a Lot. However, you need to assign correct attributes as shown below:

From To Calc Brg Assigned Brg Brg Type Calc Dist Assigned Dist Dist Type Radius Purpose Arc. L 12 17 189.5212 Measured 3.000 3.000 Measured 0.000 normal 0 8 12 281.0000 281.0000 Measured 40.750 40.750 Measured 0.000 normal 0 16 8 9.4445 9.4445 Measured 3.000 3.000 Measured 0.000 normal 0 17 16 100.5959 100.5959 Measured 40.757 40.757 Measured 0.000 normal 0 17 16 100.5959 Measured 40.757 40.757 Measured 0.000 normal 0 18 5212 3.000 Image: Stance Image: Stance Image: Stance Image: Stance Image: Stance REG Area Actual 189.5212 3.000 Image: Stance Image: Stance Image: Stance Action reated Type 189.5212 3.000											<add address=""></add>
12 17 189.5212 189.5212 Measured 3.000 3.000 Measured 0.000 normal 0 8 12 281.0000 281.0000 Measured 40.750 40.750 Measured 0.000 normal 0 16 8 9.4445 9.4445 Measured 3.000 3.000 Measured 0.000 normal 0 17 16 100.5959 100.5959 Measured 40.757 40.757 Measured 0.000 normal 0 17 16 100.5959 100.5959 Measured 40.757 40.757 Measured 0.000 normal 0 17 16 100.5959 Measured 40.757 40.757 Measured 0.000 normal 0 180 189.5212 3.000 Image: state stat											<add links=""></add>
12 17 189.5212 189.5212 Measured 3.000 3.000 Measured 0.000 normal 0 8 12 281.0000 281.0000 Measured 40.750 40.750 Measured 0.000 normal 0 16 8 9.4445 9.4445 Measured 3.000 3.000 Measured 0.000 normal 0 17 16 100.5959 100.5959 Measured 40.757 40.757 Measured 0.000 normal 0 17 16 100.5959 100.5959 Measured 40.757 40.757 Measured 0.000 normal 0 From 12 To 17 16 100.5959 Measured 40.757 40.757 Measured 0.000 normal 0 Actual 189.5212 3.000 Image: State Image: State REG Area REG Area REG Area Action created Type Measured Measured Segment Purpose normal Parcel Intent Easement Parcel Owner <t< th=""><th>om</th><th>To Calc Brg</th><th>Assigned Brg</th><th>Bra Type</th><th>Calc Dist</th><th>Assigned Dist</th><th>Dist Type</th><th>Radius</th><th>Purpose</th><th>Arc I</th><th>Bdy.Desc</th></t<>	om	To Calc Brg	Assigned Brg	Bra Type	Calc Dist	Assigned Dist	Dist Type	Radius	Purpose	Arc I	Bdy.Desc
8 12 281.0000 281.0000 Measured 40.750 40.750 Measured 0.000 normal 0 16 8 9.4445 9.445 Measured 3.000 3.000 Measured 0.000 normal 0 17 16 100.5959 100.5959 Measured 40.757 40.757 Measured 0.000 normal 0 17 16 100.5959 100.5959 Measured 40.757 40.757 Measured 0.000 normal 0 18 7 16 100.5959 100.5959 Measured 40.757 40.757 Measured 0.000 normal 0 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10		5				-			-		<none></none>
16 8 9.4445 9.4445 Measured 3.000 3.000 Measured 0.000 normal 0 17 16 100.5959 100.5959 Measured 40.757 40.757 Measured 0.000 normal 0 rom 12 To 17 16 100.5959 Distance Irregular Bdy REG Area ssigned 189.5212 3.000											<none></none>
17 16 100.5959 100.5959 Measured 40.757 40.757 Measured 0.000 normal 0 rom 12 To 17 Image: Control of the state of the s										-	<none></none>
Bearing Distance Actual 189.5212 189.5212 3.000 Image: Segment Purpose Image: Segment Desc Parcel Owner Segment Desc											<none></none>
Actual 189.5212 3.000 Irregular Bdy REG Area Assigned 189.5212 3.000 Apply Roundings Reset Action Type Measured Measured Segment Purpose normal Parcel Intent Parcel Owner Segment Desc <	12	To	17				Quebrild				to Upload
ype Measured V Measured V Segment Purpose normal V Parcel Intent Easement Parcel Owner V Segment Desc None> Parcel Type Single							Centrola	18		Crea	le
Parcel Owner Segment Desc Conce Parcel Type Single		ing	Distance		🗌 Irregul	ar Bdy	Centrold	18			Area : 122.
	189.5	ing 5212	Distance 3.000							REG A	Area : 122.2
	189.5 d 189.5	ing 5212 5212	Distance 3.000 3.000		App	ly Roundings	Reset	· · · · · · · · · · · · · · · · · · ·		REG A Action crea	Area : 122. rea 12 ated
Parcer of the second seco	189.5 d 189.5	ing 5212 5212 sured	Distance 3.000 3.000 Measured		App	ly Roundings Segment Purpose	Reset	· · · ·	Parce	REG A Action crea	Area : 122 : rea 122 : ated
escription	189.3 d 189.3 Meas e: 93.5338 0.00	ing 5212 5212 sured Parcel O	Distance 3.000 3.000 Measured		App	ly Roundings Segment Purpose	Reset	· · · ·	Parce Parc	REG A Action crea el Intent Eas el Type Sinu	Area : 122 : rea 12 ated ement
	189.1 d 189.1 Mea: e: 93.5338 0.00 1 dN 0.000	ing 5212 5212 sured Parcel O	Distance 3.000 3.000 		App	ly Roundings Gegment Purpose Segment Desc	Reset normal <none></none>	~	Parce Parc	REG A Action crea el Intent Eas el Type Sinu	Area : 122. rea 12 ated ement

The easement then has the following completed:

• **Parcel Name:** E1 (correct naming convention for easements)

NOTE: Dash character like E-1 is not accepted for naming easements.

- Action: created
- Parcel Intent: Easement
- Parcel Type: Single
- Parcel Format: Geometry

Click the 'Save and Exit' button.

6.1.4 Enumerate Road Parcels

There are two road abuttals next to the extinguished Lot which need to be enumerated.

• ROAD-1

Stringer ePlan	- Parcel										
OAD-1										<a(< th=""><th>dd Address></th></a(<>	dd Address>
										</th <th>Add Links></th>	Add Links>
From	То	Calc Brg	Assigned Brg	Brg Type	Calc Dist	Assigned Dist	Dist Type	Radius	Purpose	Arc.L	Bdy.Desc
20	9	9.4445	9.4445	Measured	54.616	54.616	Measured	0.000	normal	0	<none></none>
From	20	To S	.				Centroid	21	~	Create	Upload 🔽
										oreate	Area : 0.000
Actual	Bearing 9.4445		Distance 54.616		🗌 Irregul	ar Bdy				REG Area	0.0
Assigned	9.4445		54.616		App	oly Roundings	Rese	t		Action existing	~
Туре	Measured		~ Measured	~	5	Segment Purpose	normal	~	Parce	I Intent Road	~
		Parcel O	wner	~		Segment Desc	<none></none>	~	Parce	el Type Single	~
Misclose : 9.44	45 54.616 1:1.	0				Parcel Use	<none></none>	~	Parcel F	ormat Standard	~
dE 9.245 dN	53.828										
Description	BEAUFO	ORT ROAD									
						Select Parcel	Save to File		Save	Save and Exit	Cancel

This Road is enumerated as a parcel from a polyline drawn where the road is.

NOTE: This is an open polyline which is converted to a parcel.

The ROAD has the following completed:

- Name: ROAD-1
- Description: BEAUFORT ROAD
- REG Area: 0

• ROAD-2

- Action: existing
- · Parcel Intent: Road
- Parcel Type: Single
- Parcel Format: Standard

Once you have completed all details, click on the 'Save and Exit' button.

NOTE: Once you have added the centroid for the Road Parcel to the drawing, you can move that Centroid point so the Road name in the PDF Plan is placed wherever you want.

					ß					_		
ROAD-2											<a)< th=""><th>dd Address></th></a)<>	dd Address>
Reve	erse Direction	of Parcel									<,	Add Links>
From	То	Calc Brg	Assigned Brg	Brg Type	Calc Dist	Assigned Dist	Dist Type	Radius	Purpose	Ar	c.L	Bdy.Desc
9	22	100.0320	100.0320	Measured	45.850	45.850	Measured	0.000	normal		0	<none></none>
From	9	То	22				Centroid	23		~ (create	Upload 🗹
From Actual	9 Bearing 100.0320	1	22 Distance 45.850		🗌 Irregul	ar Bdy	Centroid	23			Create EG Area	Upload 🗹 Area : 0.000 0.0
	Bearing	1	Distance			ar Bdy Ily Roundings	Centroid			R		Area : 0.000
Actual	Bearing 100.0320	1	Distance 45.850		App		1			R	EG Area [existing	Area : 0.000 0.0
Actual Assigned	Bearing 100.0320 100.0320	1	Distance 45.850 45.850	 	App	ly Roundings	Rese	t	Parce	R	EG Area [existing Road	Area : 0.000 0.0
Actual Assigned Type	Bearing 100.0320 100.0320	Parcel Ov	Distance 45.850 45.850		App	oly Roundings Segment Purpose	Rese	t	Parce	R Action el Intent cel Type	EG Area [existing Road	Area : 0.000 0.0
Actual Assigned Type	Bearing 100.0320 100.0320 Measured	Parcel Ov	Distance 45.850 45.850		App	ly Roundings Gegment Purpose Segment Desc	Rese normal <none></none>	t	Parce	R Action el Intent cel Type	EG Area [existing Road Single	Area : 0.000

6.2 Enumerate Segments

In ePlan traverse lines and radiations need to be enumerated by using the Enumerate Segments function.

Click on the Enumerate Segment ^{Enumerate} icon and select the line you want to enumerate.

Click on the line between GPSNET SKIPTON and SKIPTON PM6

N

- Purpose: Select what is required In this case it is 'traverse'
- Upload: Ensure it is ticked if you want it to be added to the XML
- Save & Exit: Click this button to save

🄰 Stringer ePla	an - Segment		E ×
1 2	CGPNT-1 CGPNT-2 Assigned	CGPNT-1 CGPNT-2 Computed	
Bearing Distance	263.5217 56.583 Apply Roundings	263.5217 56.583 Rad 0	Measured V
Instrument Coordinate F	Theodolite and EDM	✓ Purpose	traverse 🗸
Description (optional)		
Physical Boun	dary Description	<none></none>	Upload

Below are the Line Segments as enumerated in the drawing.

🌶 Stringer ePla	n - Segment			E ×
2	CGPNT-2	CGPNT-2		
3	CGPNT-3	CGPNT-3		
	Assigned	Computed		
Bearing	1.4225	1.4225	Measured	~
Distance	51.450	51.450	Measured	~
	Apply Roundings	Rad 0		
Instrument	Theodolite and EDM	✓ Purpose	traverse	~
Coordinate R	ef			
Description (optional)			
Physical Boun	dary Description	<none></none>		~
			🗸 Upl	oad
		Save Sav	e & Exit Cancel a	nd Exit

• From PM6 to Nail 1 Placed

• From Nail 1 Placed to Nail 2 Placed

🌶 Stringer ePla	n - Segment		E ×
з	CGPNT-3	CGPNT-3	
4	CGPNT-4	CGPNT-4	
	Assigned	Computed	
Bearing	9.3345	9.3345	Measured 🗸
Distance	52.015	52.015	Measured 🗸
	Apply Roundings	Rad 0	
Instrument	Theodolite and EDM	Purpose	traverse 🗸
Coordinate R	ef		
Description (optional)		
Physical Boun	dary Description	<none></none>	~
		Save Save 8	Upload
		Save Save S	Cancel and Exit

• From Nail 2 Placed to Datum 'A' point at the top Left

🌶 Stringer eF	Plan - Segment		E ×
4	CGPNT-4	CGPNT-4	
5	CGPNT-5	CGPNT-5	
	Assigned	Computed	
Bearing	24.1520	24.1520	Measured 🗸
Distance	18.320	18.320	Measured ~
	Apply Roundings	Rad 0	
Instrument	Theodolite and EDM	✓ Purpose	traverse 🗸
Coordinate	Ref		
Description	n (optional)		
Physical Bou	undary Description	<none></none>	~
		Save Save &	Upload Exit

• From Datum 'A' to Datum 'B'

🖌 Stringer ePI	an - Segment		E ×
5	CGPNT-5	CGPNT-5	
6	CGPNT-6	CGPNT-6	
	Assigned	Computed	
Bearing	103.2100	103.2100	Measured 🗸
Distance	213.975	213.975	Measured 🗸
	Apply Roundings	Rad 0	
Instrument	Theodolite and EDM	 Purpose 	traverse 🗸
Coordinate	Ref		
Description	(optional)		
Physical Bour	ndary Description	<none></none>	~
			Upload
		Save Save	& Exit Cancel and Exit

• From Nail 1 to boundary point (CGPNT-8).

🖌 Stringer ePlan	-			×
3	CGPNT-3	CGPNT-3		
8	CGPNT-8	CGPNT-8		
	Assigned	Computed		
Bearing	101.0200	101.0200	Measured	\sim
Distance	5.390	5.390	Measured	\sim
	Apply Roundings	Rad 0		
Instrument	Theodolite and EDM	✓ Purpose	sideshot	~
Coordinate Re	f			
Description (o	ptional)			
Physical Bound	ary Description	<none></none>		~
			Uplo	ad
		Save Save a	and Exit Cancel and	d Exit

• From Nail 2 to boundary point (CGPNT-9).

🄰 Stringer ePla	in - Segment	6			×
4	CGPNT-4	- 0	CGPNT-4		
9	CGPNT-9		CGPNT-9		
	Assigned		Computed		
Bearing	124.0900		124.0900	Measured	\sim
Distance	6.100		6.100	Measured	~
	Apply Roundings		Rad 0		
Instrument	Theodolite and EDM	\sim	Purpose	sideshot	\sim
Coordinate R	lef				
Description (optional)				
Physical Boun	dary Description		<none></none>		~
				🗹 Upload	
		Sa	ve Save a	nd Exit Cancel and E	Exit



6.3 Enumerate Points

6.3.1 Boundary Points

Once the parcels are enumerated, points are automatically added to their corners. Once added to the parcel they have a default setting on Parcel Points as follows:

- Mark Name: CGPNT-8 (next available)
- Survey Point Type: boundary
- State: proposed

oint Number 8	E 708007.162	N 5826573.690		
lark Name	CGPNT-8		Identification Number	(oID)
escription		Horizontal Monument	Vertica	I Monument
Survey Point Type	boundary ~	Horizontal Control	Vertical (Control
State	proposed ~	Datum	U Datum	
		Order	√ Order	\sim
		Fix	Fix	~
Plan Monument			Height	t
	~		Height	i
Plan Monument Monument Type State				
	New v		Cur.D Reference Plan	
Monument Type State			Cur.D	ate 2016-05-24

6.3.2 Centroid Points

The Centroid Point is also added to the drawing and its default items are:

- Mark Name: CGPNT-18
- Survey Point Type: sideshot
- State: proposed

🖌 Stringer ePlan - Monument			œ
Point Number 18	E 708027.418	N 5826571.280	
Mark Name	CGPNT-18		Identification Number (oID)
Description		Horizontal Monument	Vertical Monument
Survey Point Type	sideshot ~	Horizontal Control	Vertical Control
State	proposed \vee	Datum	
]		Order	✓ Order ✓
		Fix	✓ Fix ✓
🗌 Plan Monument			Height
Monument Type	~		
State	New \vee		Cur.Date 2016-05-24
Condition	Abandoned \sim		Reference Plan
,		,	
Upload		Zoom To	Save Save and Exit Cancel
Upload		Zoom To	Save Save and Exit Cancel

Road Parcel Extensions also get points:

- Mark Name: CGPNT-22
- Survey Point Type: boundary
- State: proposed

🖌 Stringer ePlan - Monument			E ×
Point Number 22	E 708060.706	N 5826614.584	
Mark Name	CGPNT-22		Identification Number (oID)
Description		Horizontal Monument	Vertical Monument
Survey Point Type	boundary ~	Horizontal Control	Vertical Control
State	proposed \vee	Datum	→ Datum
1		Order	✓ Order ✓
		Fix	✓ Fix ✓
🗌 Plan Monument			Height
Monument Type	~		
State	New		Cur.Date 2016-05-24
Condition	Abandoned \sim		Reference Plan
🗹 Upload		Zoom To	Save Save and Exit Cancel

6.3.3 Control Marks

In ePlan, pursuant to the Surveying Regulations 2015, there must be at least three PMs or PCMs to be connected to the survey for up to and including 10 parcels. If there are more than 10 parcels, further PMs or PCMs must be placed within the subdivision so that the distance between these marks is not greater than 100 metres.

In the sample plan, you need to enumerate the Control Marks as follows:

- Mark Name: CGPNT-1 (next available, can't be the same number and must be unique)
- Description: GPSNET SKIPTON
- Survey Point Type: control
- State: existing

Tick the Plan Monument box

- Monument Type: Plaque
- State: Existing
- Condition: OK

Tick the Horizontal Monument box

- Datum: MGA2020_Zone54
- Order: 3
- FIX: Adjustment
- Identification Number (oID) 348901330
- Current Date 2016-05-20

NOTE: In ePlan, distances are based on the ground observation. There is no need to use a scale factor in ePlan. When including the Control Marks in your drawing, consider one of those as a base point with True MGA coordinates. Then, use bearing and ground distance to connect your marks together. In this case, if you have a control mark far from your base control mark, there may be a discrepancy with the MGA coordinates of that point. This discrepancy maybe in the validation report which you can justify. If you have GNSS control points in your drawing, you need to convert the coordinates into local coordinates and connect them by bearing and ground distances.

🖌 Stringer ePlan - Monument			×
Point Number 6	E 708057.194	N 5826530.785	
Mark Name	CGPNT-6	Identification Nur	mber (oID) 348901330
Description	GPSNET SKIPTON	Ver Horizontal Monument	rtical Monument
Survey Point Type	control ~	Horizontal Control Verti	ical Control
State	existing ~	Datum MGA2020_Zone54 V Da	atum
		Order 3 V Or	rder 🗸
		Fix Adjustment ~ Fix	×
Plan Monument		He	eight
Monument Type	Plaque ~		
State	Existing ~		
Condition	OK ~	c	Cur.Date 2019-05-06
Monument Description		Reference	Plan
Upload		Zoom To Save	Save and Exit Cancel

Skipton PM6

🗲 Stringer ePlan - Monument			×
Point Number 7 Mark Name	E 708000.910	N 5826524.738	Identification Number (oID) 3489000(30
Description	SKIPTON PM 6	Horizontal Monument	Identification Number (oID) 348900060
Survey Point Type	control ~	Horizontal Control	Vertical Control
State	existing ~	Datum MGA2020_Zone54	✓ Datum
1		Order 3	✓ Order ✓
		Fix Adjustment	✓ Fix ✓
Plan Monument			Height
Monument Type	Plaque ~		
State	Existing ~		
Condition	OK ~		Cur.Date 2019-05-06
Monument Description			Reference Plan
,		,	
Upload		Zoom To	Save Save and Exit Cancel



🖌 Stringer ePlan - Monument			E ×
Point Number 3	E 708001.872	N 5826574.721	
Mark Name	CGPNT-3		Identification Number (oID)
Description		Horizontal Monument	Vertical Monument
Survey Point Type	traverse ~	Horizontal Control	Vertical Control
State	proposed \sim	Datum	Datum
J		Order	✓ Order ✓
		Fix	→ Fix →
🗌 Plan Monument			Height
Monument Type	Plaque ~		
State	New		Cur.Date 2016-05-20
Condition	Abandoned \vee		Reference Plan
Upload		Zoom To	Save Save and Exit Cancel



🗲 Stringer ePlan - Monument			E ×
Point Number 4	E 708010.512	N 5826626.013	
Mark Name	CGPNT-4		Identification Number (oID)
Description		Horizontal Monument	Vertical Monument
Survey Point Type	traverse ~	Horizontal Control	Vertical Control
State	proposed ~	Datum	Datum
I		Order	✓ Order ✓
		Fix	✓ Fix ✓
🗌 Plan Monument			Height
Monument Type	Plaque ~		
State	New \vee		Cur.Date 2016-05-20
Condition	Abandoned \sim		Reference Plan
Vpload		Zoom To	Save Save and Exit Cancel

Datum 'A' – is enumerated as a traverse point.

🗲 Stringer ePlan - Monument			×
Point Number 5	E 708018.038	N 5826642.716	
Mark Name Description	CGPNT-5	Horizontal Monument	Identification Number (oID)
Survey Point Type	traverse ~	Horizontal Control	Vertical Control
State	proposed ~	Datum	→ Datum
ļ		Order	✓ Order ✓
		Fix	~ Fix ~
🗌 Plan Monument			Height
Monument Type	Plaque 🗸		
State	New		
Condition	Abandoned \sim		Cur.Date 2016-05-20
Monument Description			Reference Plan
,		,	
🗹 Upioad		Zoom To	Save Save and Exit Cancel



🗲 Stringer ePlan - Monument				×
Point Number 6	E 708226.231	N 5826593.310		
Mark Name	CGPNT-6		Identification Number (oID)	
Description	В	Horizontal Monument	Vertical Monument	
Survey Point Type	traverse ~	Horizontal Control	Vertical Control	-
State	proposed ~	Datum	Datum	
		Order	✓ Order	
		Fix	✓ Fix ✓	
Plan Monument			Height	
Monument Type	Plaque ~			-
State	New			
Condition	Abandoned \sim		Cur.Date 2016-05-20	
Monument Description			Reference Plan	
Upload		Zoom To	Save Save and Exit Cancel	

SKIPTON PM116

Stringer ePlan - Monument Point Number	9 E 708746.292	N 5826335.528	×
Mark Name Description	CGPNT-9 SKIPTON PM 116	J Horizontal Monument	Identification Number (oID) 348901160
Survey Point Ty St	vpe control ~ ate existing ~	Horizontal Control Datum MGA2020_Zone54 Order 3	Vertical Control Datum Order
Plan Monument	ne Plaque v	Fix Adjustment	✓ Fix ✓ Height
Monument Ty St Conditi Monument Descript	ate Existing ~ OK ~		Cur Date 2019-05-06 •
l V Uploa	ıd	Zoom To	Save Save and Exit Cancel

Parcel Linkages

Annotate

Set up parcel linkages for parcelsPlan Annotations

The Parcel Linkages tool is used for defining non-spatial parcels. For example, an easement or restriction can be defined by using this tool.



For the sample plan, define an easement using Parcel Linkages. Click the Parcel Linkages Linkages icon and complete the fields required:

- Name: EAS1\PS123456
- Action: created
- Parcel Intent: Easement
- Parcel Type: Single
- Parcel Owner: CORANGAMITE SHIRE COUNCIL
- · Parcel Use: Drainage
- Parcel Format: Standard
- Upload: Ticked

To link the geometry parcels to this non-spatial parcel, tick 'Has Linkages' and select the Parcel Reference from the drop-down list and click on 'Save Changes'. To link more geometries, click 'add New Association':

- Parcel Reference: E1 (from drop-down list)
- · Click 'Save Changes' (if you do not click 'Save Changes' anything added will not be saved)

🖌 Non-Spatial Parcels and Linkage	25			E ×
MultiParcel_001	Name Action Parcel Intent Parcel Type Parcel Owner Parcel Use Parcel Format	EAS1\PS123456 created Easement Single CORANGAMITE SHIRE Drainage Standard	✓ Has Linkages E1	Name LNK-101 Parcel Reference E1 Liability 0 Lot Entitlement 0
Add New Non-Spatial Parcel Remove Non-Spatial Parcel	Description Upload ☑ Volume/Folio Title Type	<add address=""></add>		Remove from Association Add New Association Save Changes Exit

7. ePlan Annotation

Annotation element is used to capture various pieces of textual information. Depending on the Annotation,

the requirements for each field differs. Click on the ePlan Annotations Annotations icon to enter the annotations to the plan.

NOTE: Ensure after adding each annotation you save changes before adding another annotation.

Below images reflect what has been added in the ePlan Annotations for this Plan:

ANNO-1

ANNO-2

🖌 Annotations			•	—		\times
Annotation Name	т	уре	Crown Section			~
ANNO-3 ANNO-3	6					~
Parcel Reference						
<none> ~</none>						\sim
Add New	Delete Annotation	Sa	ave Changes		Exit	

🖌 Annotations			↔ 🖪	_		×
Annotation Name	т	уре	Crown Allotment			~
ANNO-1 ANNO-2 ANNO-3	2					~
Parcel Reference						
<none> ~</none>						\sim
Add New	Delete Annotation	Sa	ive Changes		Exit	

ANNO-3

🖌 Annotations			•	-		×
Annotation Name		Туре	Easement Width			~
ANNO-1 ANNO-2 ANNO-3	3					~
Parcel Reference						
E1 ~						\sim
Add New	Delete Annotation	Sa	ave Changes		Exit	

NOTE: This annotation (ANNO-3) requires a parcel reference to the easement to show the width.

To view all the annotations added to this form, click on the 'Annotation Name' at the top of the form. The form below shows all added data for the ePlan Annotations.

🔺 All Annota	tions	2		×
Link Name	Parcel	Туре	Description	
ANNO-1	<none></none>	Crown Section	6	
ANNO-2	<none></none>	Crown Allotment	2	
ANNO-3	E1	Easement Width	3	

8. Review

Review

- •List all the enumerated data to review and edit:
- Parcels list
- Monument points list
- •COGO points list
- •Segment List
- Parcel Report

8.1 Parcel List

The Parcels List lets users confirm the parcels that have been enumerated and make edits.



Click on the Parcels List List icon.

A window selection can be made around all the data in the drawing – only the enumerated parcels will be included in the list. The list will appear as follows:

Parcel ID	Class	State	UpLoad	Area	Act.Area	Туре	Owner	U
ROAD-2	Road	existing	1	0.0	0.000	Single	<none></none>	<non< th=""></non<>
ROAD-1	Road	existing	1	0.0	0.000	Single	<none></none>	<none< td=""></none<>
2:PS123456	Lot	created	1	1018.2	1018.233	Single	<none></none>	<none< td=""></none<>
1:PS123456	Lot	created	1	1019.5	1019.542	Single	<none></none>	<none< td=""></none<>
E1	Easement	created	1	122.2	122.233	Single	<none></none>	<non< td=""></non<>
1:PS716856	Lot	extinguished	1	2037.8	2037.774	Single	<none></none>	<non< td=""></non<>
								REG Ar
					UpLoad		Action	
			Pa	rcel Owner		~	Parcel Intent	
				_				
				Parcel Use		\sim	Parcel Type	

Clicking on a row in the list will zoom to and highlight that parcel in the drawing. You can also edit any of the drop-down lists from this form.

8.2 Monument Points List

The Monument Points List allows users to confirm they have the correct attributes for control points and reference marks.



Click on the Monument Points List Points List icon.

A window selection can be made to select all the Monuments for review. The list will appear as follows:

			1	Assign survey	monumen	t enumerati	ons			
electio Sele	on ect all	De-select all	Revers	e selection			Save to File	Cancel	S	ave and Exit
	Clear	M	ark Name	🗹 РТ. Туре	Conc	dition 🔽	State 🗹	Mon. Type	Plan Ref	Upload
	Assign value	s			~	~	~	~		~
lonume										
	Number	Mark Name	PT.Type	Cond	State	Mon.Type	Upload	Plan Ref	Order	Extra
-	7 2	CGPNT-7 CGPNT-2	control control	OK OK	Existing Existing	Plaque Plaque	Yes	PS123456A PS123456A	0.01	YES
		CGPNT-2 CGPNT-1	control	OK	Existing	Plaque	Yes	PS123456A	0.01	YES

Clicking on a point in the list will zoom to that point in the drawing.

This list provides an opportunity to review points that you have enumerated. Any enumeration errors can be corrected here.

NOTE: The Values frame provides the option to apply bulk edits to points. To use this, tick on the properties you want to change the point/s in the Values frame (e.g., Point Type, Condition, State, Mon, Type, Plan Ref, etc). In the Monuments list, tick the points to be altered, then click the 'Assign Values' button to make the changes.

8.3 COGO points List

The COGO Points List allows users to review all enumerated COGO points in the drawing.

ringer	ePlan - Cogo F	oints				⊒
lectio	n					
	ect all	De-select all	Reverse sel	ection	Clear	
001		Descleation	Neverse ser		olcar	
lues						
		PT. Type	State		Upload	
			~	~	Assign va	lues
num	ents					
Chk	Number	PT.Type	State	Upload	Extra	í í
	23	sideshot	proposed	Yes	NO	
	22	boundary	proposed	Yes	NO	
	21	sideshot	proposed	Yes	NO	
	20	boundary	proposed	Yes	NO	
	19	sideshot	proposed	Yes	NO	
	18	sideshot	proposed	Yes	NO	
	17	boundary	proposed	Yes	NO	
	16	boundary	proposed	Yes	NO	
	15	sideshot	proposed	Yes	NO	
	14	boundary	proposed	Yes	NO	
	13	sideshot	proposed	Yes	NO	
	12	boundary	proposed	Yes	NO	
	11	boundary	proposed	Yes	NO	
	10	boundary	proposed	Yes	NO	
	-	boundary	proposed	Yes	NO	
	9					
	9 8	boundary	proposed	Yes	NO	

Clicking on a point in the list will zoom to that point in the drawing. The form enables review/edit of the following:

- PT Type
- · State
- Upload

Use the Values controls to apply bulk edits to highlighted Monuments in the list.

8.4 Segment List



Click on the Segment List icon to view all the segments enumerated in the plan.

Start	End	Bearing	Distance	Purpose	Brg Type	Dist Type	Upload	1
9	22	100.0320	45.850	nomal	Measured	Measured	1	
20	9	9.4445	54.616	nomal	Measured	Measured	1	
12	14	9.5212	50.287	nomal	Measured	Measured	1	
9	8	189.4445	49.616	nomal	Measured	Measured	1	Ξ
17	16	280.5959	40.757	nomal	Measured	Measured	1	
12	17	9.5212	3.000	nomal	Measured	Measured	1	
16	8	189.4445	3.000	nomal	Measured	Measured	1	
10	14	9.5212	25.290	nomal	Measured	Measured	1	
9	11	189.4445	24.660	nomal	Measured	Measured	1	
14	9	280.0320	40.850	nomal	Measured	Measured	1	
12	10	9.5212	24.997	nomal	Measured	Measured	1	
8	12	101.0000	40.750	nomal	Measured	Measured	1	
11	8	189.4445	24.956	nomal	Measured	Measured	1	
10	11	200 2020	40 000	normal	Monourod	Managerod	1	
Bearing Source 🗨		•	Distance Source		• V	Upload		
Instrument -		•	Purpose	•	Apply to Tabl	е		

You can edit any segment using this window.

8.5 Parcel Report

A window selection can be made around all the data in the drawing – only the enumerated parcels will be included in the report. A CSV file will be created, with the Bearing and Distance of each line segment (Actual and Assigned) and misclosure of each Lot. This report can be opened in Excel or Notepad and printed for QA and documentation purposes.

The report will appear as follows:

Parcel ROAD-2							
Parcel Class : Road							
Parcel State : existing	7						
Parcel Owner:	5						
Parcel Use : <none></none>							
Start	End	Assigned Brg	Calcod Brg	Tuno	Assigned Dist.	Calcod Dist	Type
	22		_	Measured	45.85		Measured
Misclose : 100.0320 45			100.052	weasureu	43.63	43.83	Weasureu
Area : 0.000		1.1.0					
Assigned Area : 0.0							
Assigned Area : 0.0							
Parcel ROAD-1							
Parcel Class : Road							
Parcel State : existing	7						
Parcel Owner :	,						
Parcel Use : <none></none>							
Start	End	Assigned Brg	Calced, Brg	Type	Assigned Dist.	Calced. Dist	Type
20		9,4445	_	Measured	54.616		Measured
Misclose : 9.4445 54.6	16 1	:1.0					
Area : 0.000							
Assigned Area : 0.0							
0							
Parcel 2:PS123456							
Parcel Class : Lot							
Parcel State : created							
Parcel Owner :							
Parcel Use : <none></none>							
Start	End	Assigned Brg	Calced. Brg	Туре	Assigned Dist.	Calced. Dist	Туре
12			-	Measured	40.75		Measured
8	11	9.4445	9.4445	Measured	24.956	24.956	Measured
10	11	100.5626	100.5626	Measured	40.803	40.803	Measured
10	12	189.5212	189.5212	Measured	24.997	24.997	Measured
Misclose : 318.1339 0.	000	1:368358.6					
Area : 1018.233							
Assigned Area : 1018.2	2						





Export ePlan - generates an ePlan file for lodgement
Validate ePlan
Create PDF



Click on the 'Export ePlan' ^{ePlan} button. The XML file will be saved to the folder you select. You have 2 options once the export has been saved as shown below:

🂅 Upload To Spear		E ×
	E:\Stringer ePlan\Stringer ePlan - Workshop Manual	s\Vic Training Data\Cad\testir
Validate File	Visualisation of File Exit	-

Click 'Validate File' and 'Visualisation of File', to receive a validation report and a visualised plan in PDF format from SPEAR.



NOTE: If the PDF file is already opened for visualisation or validation, and the PDF file has not been closed, the following error message will appear on opening the PDF for the second time. To avoid the above error, you need to close the opened PDF first.



ePlan Validation Report

	1 Error 0 System E	rror 0 Input Require	d 2 For Information 69 Pass 56 Not Applicable
Organisation:	Land Use Victoria	Validation Status:	Fail
SPEAR Reference Number:	Not Applicable	Validated on:	06/05/2019 04:10 PM
ePlan plan number:	: PS123456A	Validator:	4.8.2
ePlan version:	1		

Rule Name	Result	Rule Message
VR023 - Surveyor Registration Number	×	According to the Surveyors Registration Board of Victoria, "ALAN ROLLEY" has the registration number "1234". This does not match the provided surveyor name "DAVOOD SHOJAEI".
VR034 - Depth Limitation Manual Check	0	Plan has identified that depth limitation does not apply.
VR116 - Prior Survey Date	0	The previous plan "PS716856" with volume/folio of "11439/484" is not an ePlan in SPEAR, a manual check of the previous survey date is required.
VR001 - ePlan CIF Schema Validation	\checkmark	
VR002 - Survey Header Completeness	⊻	
VR004 - Parcel Geometry Exists	⊻	
VR005 - Easement Purpose Exists	⊻	
VR008 - Road Parcel Description Exists	⊻	
VR009 - Primary Parcel Address Exists	⊻	
VR010 - PM and PCM Completeness	⊻	
VR012 - Instrument Point Completeness	⊻	
VR014 - Instrument Setup to Point Reference	⊻	
VR015 - Instrument Setup in Observation	⊻	
VP040 III		

NOTE: If you require assistance with resolving any ePlan validation issues, please contact the ePlan team on 03 9194 0612 and press 3, or send an email to spear.info@delwp.vic.gov.au

Below is an example of the PDF after Visualisation of File.

Stringer ePlan 2016	E ×
Visualisation File Created E:\Stringer ePlan\Stringer ePlan - Workshop Manuals\\ Data\Cad\testing_Visualisation.pdf	/ic Training
	ОК

The PDF created from the Visualisation Service in plan template is based on Technical Note 4.

NOTE 1: Once you sign in to SPEAR, your firm's logo will be watermarked on the visualised PDF.

NOTE 2: To enhance the presentation of the visualised PDF, use the ePlan Visualisation Enhancement Tool (VET). For more information, refer to <u>SPEAR User Guide 57</u>.

PLAN UNDE		88		EDI	TION 1	I	PS	123456A		
LOCATION OF LAND PARISH: CROWN DESCRIPTION CROWN DESCRIPTION CROWN DESCRIPTION CROWN DESCRIPTION CA. 2, CROWN SECTIO CA. 2, CROWN SECTIO CA. 2, CROWN SECTIO LAST PLAN REFERENCE: LOT 1 ON PS716856 POSTAL ADDRESS: (at time of subdivision) (at time of subdivision)			184 56	3361		COUNCI	L NAME: CO	RAI	NGAMITE SHIRE C	OUNCIL
v	ESTING OF F	ROADS AND/C	OR RESER	RVES						
IDENTIFIER COL NIL			NIL							
					NOTA	TIONS				
DEPTH LIMI	TATION:	Does N	ot Apply							
	This plan is based on survey.									
						FORMA		-		
IDENTIFIER	PUR	POSE	WIDTH		nant Easer	ORIGIN	Encumbering	Eas		ITED/IN FAVOUR OF
E1		NAGE	3			THIS PLAN			CORANGAN	ITE SHIRE COUNCIL
			SUR	VEYORS	FILE REF:	1		Τ	ORIGINAL SHEET SHEET 1 OF	
				LICENSED SURVEYOR: DAVOOD SHOJAEI VERSION 1			1	Plan generated datetime: 06/05/2019 04:37 PM		

