



ALDE/12d Roads & Drainage Self-paced Online Training (SPOT)

Kim Dinh (Chair - Eduction Subcommittee)

Cameron Lowe (Training & Support - 12d Solutions)

Overview

- ALDE and 12d have partnered up to deliver a Self-Paced Learning Online Training (SPOT) course specific to Land Development in Victoria
- Aimed at new designers (those starting out and those transitioning to the and development industry)
- Standardises knowledge and the training process



What is the purpose of SPOT?



SPOT Objectives

- Self-paced and continuous learning environment
- Take pressure off in-house training
- Indefinite access to up-to-date and structured courses
- Consistent training anywhere in the world
- All experiences of 12d Model users catered for





What's included in the ALDE course?



1. Introductory Module

- The Land Development Process
- Functional Layout Plans
- Preliminary design





2. Road and Finished Surface Design

- Lot gradings
- Importing Data
- Centreline Design (IP & Element Methods)
- Geometry Modifications
- Pavement Design
- Outputs & Plotting
- Co-ordination with Stormwater Design





3. Stormwater Design

- Plan Layout & Inlet Positioning
- Catchments
- Rational Method Analysis
- Pipe Grading & Sizing
- Plotting/Outputs





What's included in SPOT?



12d Model Access

- Personalised access to 12d Model
- Training licences have been tailored for each course
- Doesn't use company licences during training
- Setup is separate to your company's existing use of 12d Model





Land Development Manual



FUNCTIONAL LAYOUT PLANS

1.9 Functional Design Requirements

Key deliverables of a functional design:

- Typical Road Cross Sections
- Functional Design Plan
- · Car Parking Plan
- · Turning Movements

The functional design is delivered entirely within a drafting software package, being that the Consideration of the 3d is necessary, but generally masterplanning detail previously undert sufficient and further detailed 3d modelling should not be required.

The Function Layout Plan (FLP) is required to confirm the layout of the Planning Permit Plan incorporated document to ensure that spatially the infrastructure can be <u>provided</u> and the v

Functional Layout Plan(s) should show all engineering elements which may influence either the plan of subdivision, the functionality of civil infrastructure, the achievement of an accept area or the preservation of prescribed features on the site.

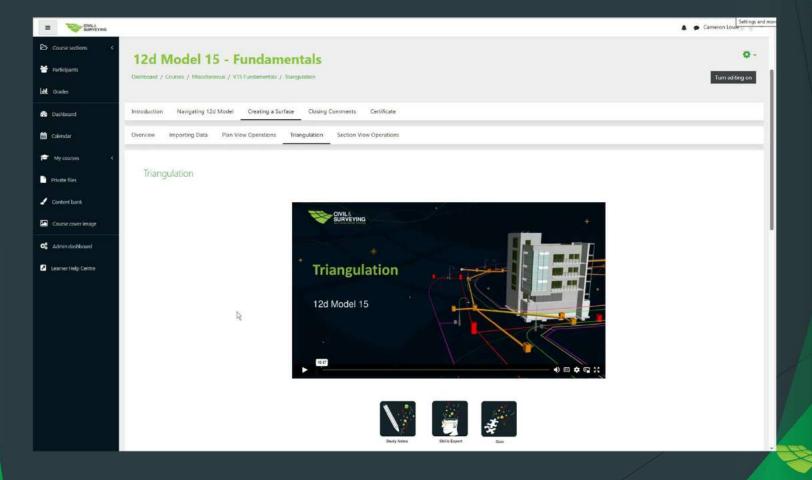
Once the FLP is approved, the subdivision layout and the infrastructure shown must be delivaccordance with the approved plan. However, the approved FLP is not a definitive statement construction requirements. Detailed engineering plans provide this information.

The FLP(s) should be consistent with the relevant PSP and Council specific supplementary in shall show:

- A fully dimensioned subdivision layout, including proposed street names (if known), street reservation widths;
- · Topography and existing features, including contours for the subject land and any a



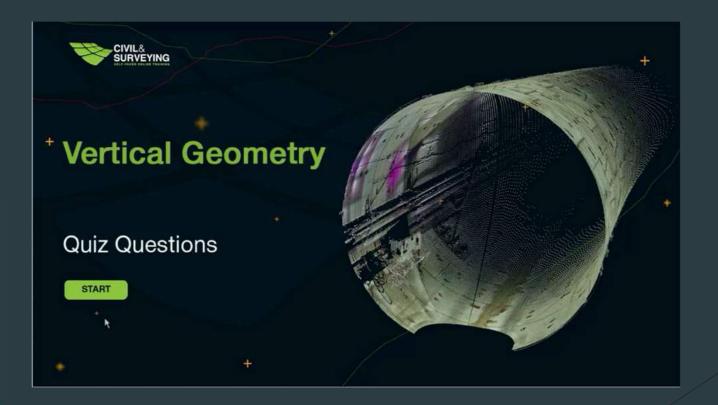
Lesson Content





Assessment

Knowledge Check Quizzes





Certification



Certificate of Completion

- Issued to SPOT course attendees who complete knowledge-check quizzes
- Demonstrates
 completion of the
 training course
 content
- Unique identification number



Certificate of Competency

- Issued to SPOT course attendees who complete a 2-hour proctored exam
- Demonstrates
 competency in the
 training course
 content
- Unique identification number



Timeline

- Internal testing and feedback in progress
- Public rollout next year



Questions?