

CD116 - Geometric design of roundabouts

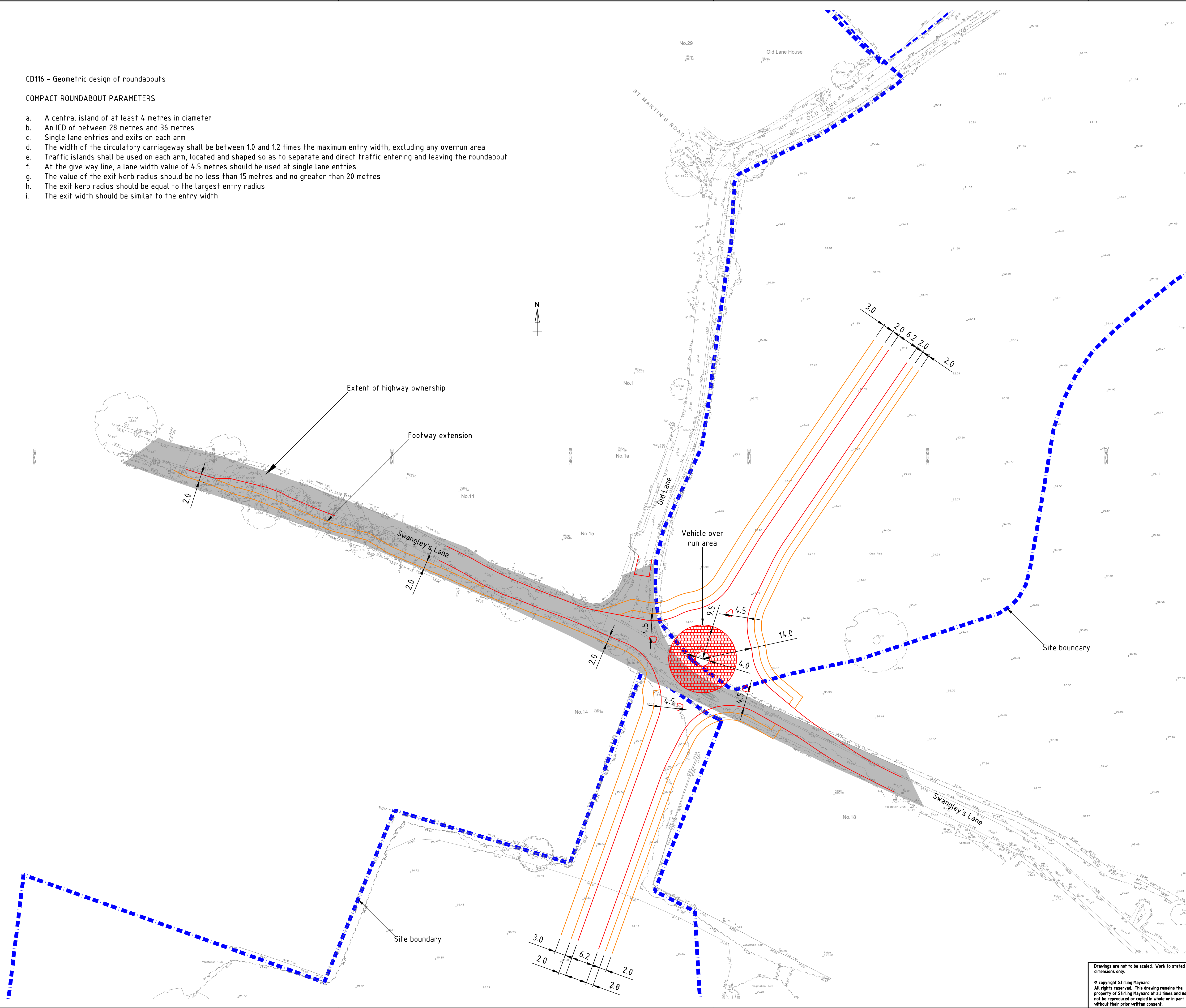
COMPACT ROUNDABOUT PARAMETERS

- a. A central island of at least 4 metres in diameter
- b. An ICD of between 28 metres and 36 metres
- c. Single lane entries and exits on each arm
- d. The width of the circulatory carriageway shall be between 1.0 and 1.2 times the maximum entry width, excluding any overrun area
- e. Traffic islands shall be used on each arm, located and shaped so as to separate and direct traffic entering and leaving the roundabout
- f. At the give way line, a lane width value of 4.5 metres should be used at single lane entries
- g. The value of the exit kerb radius should be no less than 15 metres and no greater than 20 metres
- h. The exit kerb radius should be equal to the largest entry radius
- i. The exit width should be similar to the entry width

NOTES

- 1. All dimensions are in metres unless stated otherwise.

DESIGN INFORMATION	
Design stage	Feasibility
Description of Highway Infrastructure	Roundabout junction
Checking Authority	County Council / Unitary Authority
Design Codes	DMRB 30 mph
Description of Ground Conditions	Not known at this stage



Ref.	Amendment	Ch'kd	Date
C	Old Lane junction removed	PSS	29/07/21
B	Visibility splays added to Old Lane junction	PSS	07/07/21
A	Extent of highway added	PSS	17/06/21



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Client
GLADMAN DEVELOPMENTS LTD

Scheme Title
**LAND OFF WATTON ROAD
 KNEBWORTH**

Drawing Title
**PROPOSED COMPACT ROUNDABOUT
 SWANGLEY'S LANE**

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Project Manager	P S SWALLOW	Drawing Status	FEASIBILITY
Drawn	PSS	Scale	1:500 @ A1
Checked	PSS	Date	Feb 2021
			Drawing No. P17033-04-15C