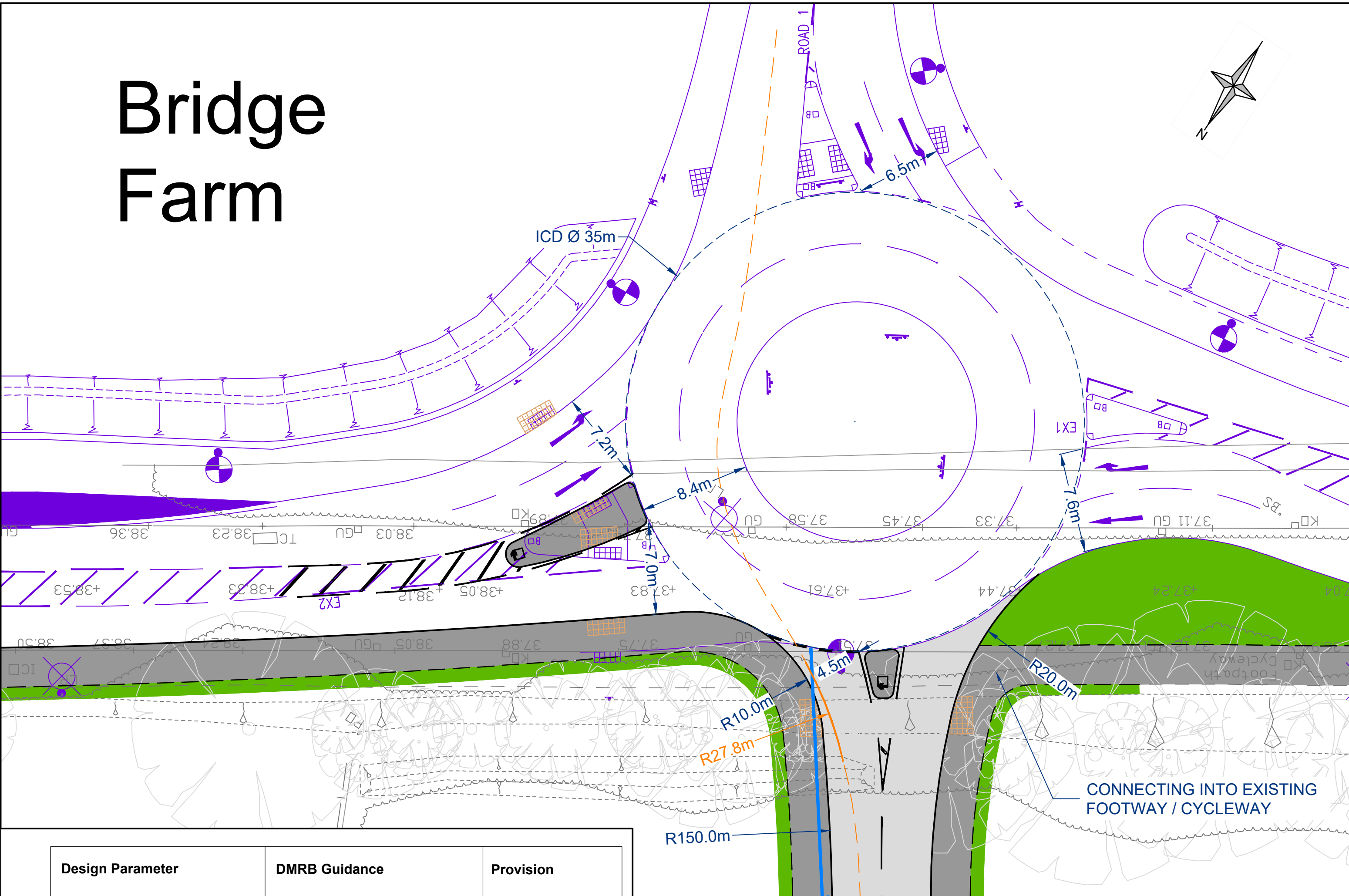


Bridge Farm



Design Parameter	DMRB Guidance	Provision
Inscribed circle diameter (ICD)	Min for normal roundabout 28m, should not exceed 100m (Para 3.5, 3.5.2).	35.0m compliant = Yes
Width of circulatory carriageway	Should be 1-1.2 times the max entry width (Para 3.6)	8.4m compliant = Yes

Review undertaken with reference to DMRB CD 116 Geometric Design of Roundabout

Design Parameter	DMRB Guidance	Proposed Arm
Entry arm width	Lane widths at the give way line should not be less than 3m or more than 4.5m. 4.5m value appropriate at single lane entries and values of 3 to 3.5m appropriate at multilane entries (Para 3.14, 3.14.1, 3.14.2)	1 lanes @ 4.5m compliant = Yes
Visibility on the approach	SSD 90m for 30mph design speed (Table 2.10, CD 109)	DMRB recommends 90 m SSD for 30 mph; however, the 43 m available here is acceptable and aligns with Manual for Streets principles for low-speed environments.
Entry path radius*	Must not exceed 100m (Para 3.26)	27.8m compliant = Yes
Entry radius	Minimum 10m, maximum 100m (3.19.1, 3.19.2)	10.0m compliant = Yes
Exit radius	Between 20m-100m (Para 3.29.3)	20m compliant = Yes

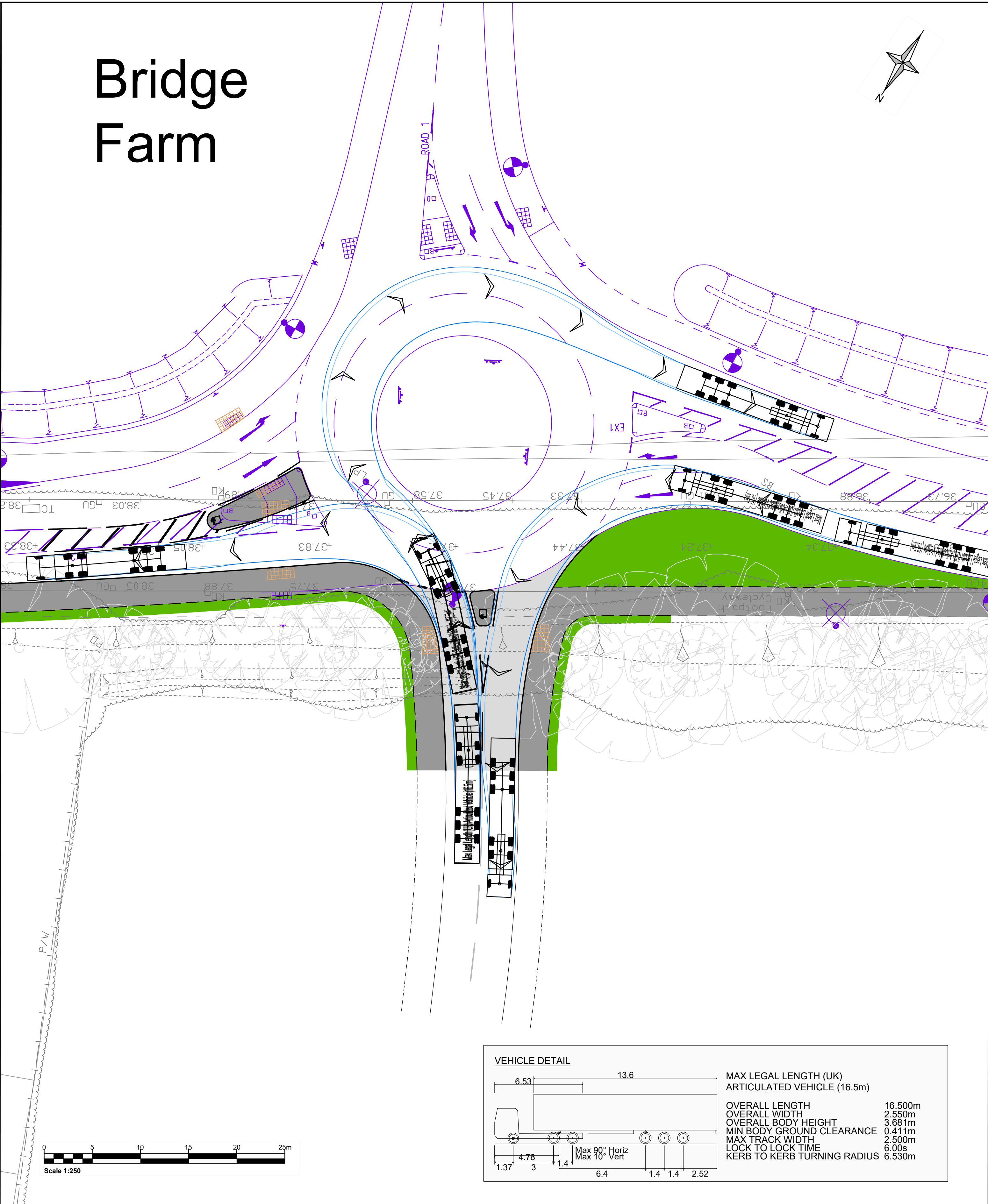
*The construction of the path is a matter of personal judgement. Results should be checked by more than one designer for comparison.

INTERNAL ROAD ALIGNMENT INCLUDING FOOTWAYS / AND ACTIVE TRAVEL MEASURES ARE INDICATIVE AND ARE SUBJECT TO RESERVED MATTERS

VISIBILITY ON THE APPROACH 43M (SSD 30MPH MFS)

CONNECTING INTO EXISTING FOOTWAY / CYCLEWAY

Bridge Farm



VEHICLE DETAIL		MAX LEGAL LENGTH (UK) ARTICULATED VEHICLE (16.5m)	
6.53	13.6	OVERALL LENGTH	16.500m
		OVERALL WIDTH	2.550m
		OVERALL BODY HEIGHT	3.681m
		MIN BODY GROUND CLEARANCE	0.411m
		MAX TRACK WIDTH	2.500m
		LOCK TO LOCK TIME	6.00s
		KERB TO KERB TURNING RADIUS	6.530m



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Drawing Status & Suitability Code

Designed SCJ	Drawn SCJ	Checked JB	Authorised JB
Date 16/09/25	Date 16/09/25	Date 16/09/25	Date 16/09/25

Drawing Number
PD01.1

Client
David Wilson Homes

Project
Land North of Bath Road, Twyford

Drawing Title
PROVIDING 4TH ARM TO APPROVED SCHEME.
REVIEW UNDERTAKEN WITH REFERENCE TO
DMRB CD 116 GEOMETRIC DESIGN OF ROUNDABOUT

Scale
1:250

Rev	Amendments	Date	By	Chk	Auth
A	INTERNAL SPINE ROAD UPDATED AS PER CLIENTS REQUEST	19/12/25	SCJ	JB	N/A

THIS IS DRAWING IS FOR COMMENT ONLY
SUBJECT TO:

- COUNCIL REVIEW / APPROVAL
- FULL VERTICAL ALIGNMENT
- FINAL DESIGN CHECK / REVIEW

KEY

CROUDACE S278 PLAN