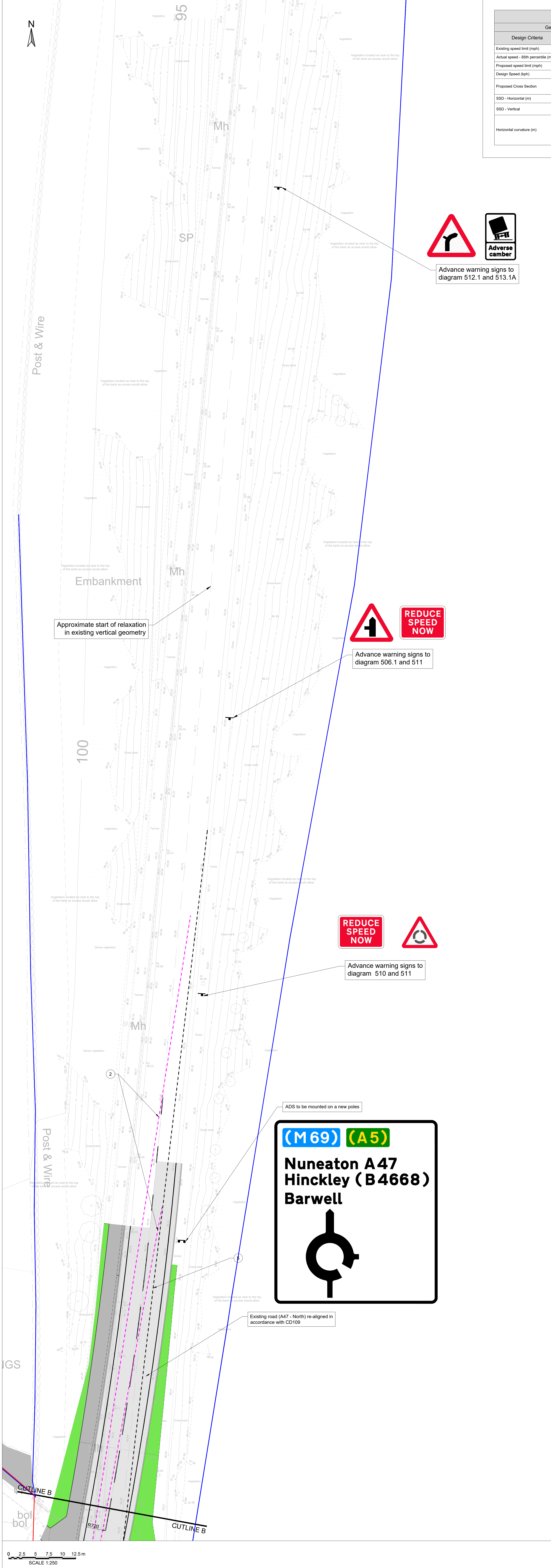
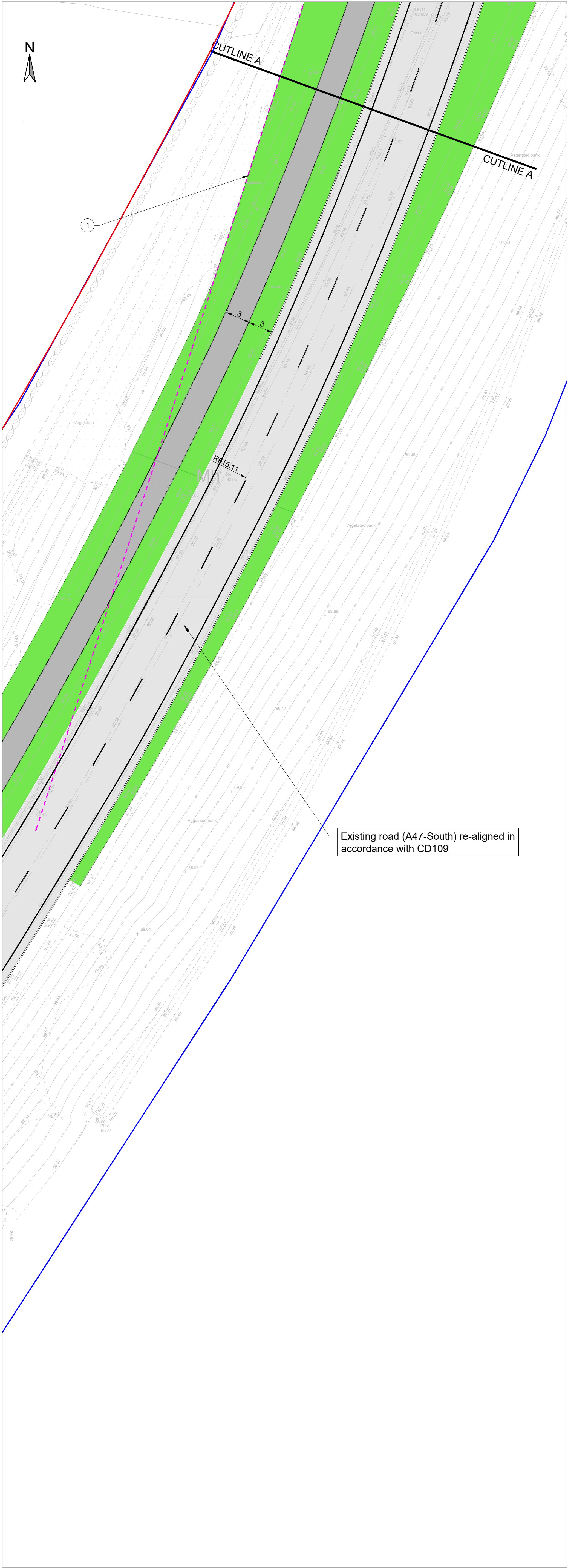
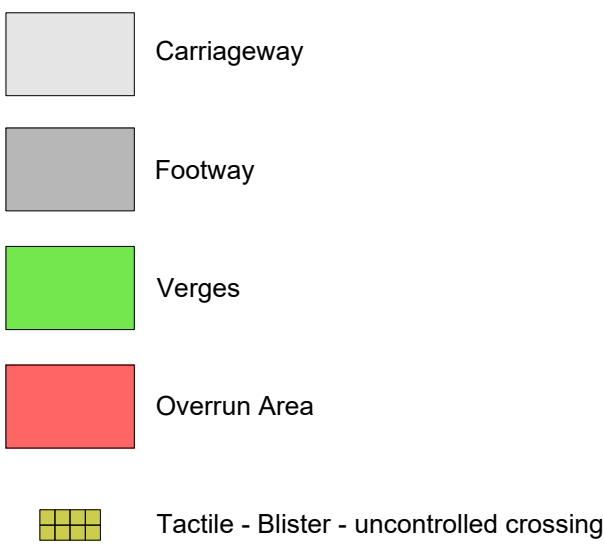




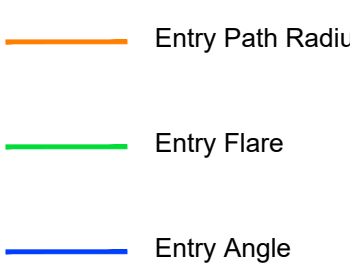
CD 109 Highway link design				Visibility splays						
General		A47 North	A47 South	Comment	Ref.	Design standard	Type	Set back (x)	SSD (y)	Comments
Design Criteria										
Existing speed limit (mph)	NSL	NSL			1	CD116 & CD109	Stopping sight distance	n/a	215m	215m Unlikely to be achieved due to vertical geometry. One design speed step below desirable likely to be required. Refer to drawing B033564 TTE-XX-XX-DR-H-0015 for further details.
Actual speed - 85th percentile (mph)	N/A	N/A		No data available	2	CD116 & CD109	Stopping sight distance	n/a	160m	
Proposed speed limit (mph)	N/A	N/A		No change in speed limit proposed	3	CD116 & CD109	Stopping sight distance	n/a	70m	Site Access - One design speed step below desirable required - Relaxation requested.
Design Speed (kph)	100	100			4	CD123	Junction visibility	2.4m	90m	Visibility will be restricted by new junction
Proposed Cross Section	dw - 7.3m Lane - 3.05m HS - 1m	dw - 7.3m Lane - 3.05m HS - 1m	As per existing cross section		5	CD123	Junction visibility	2.4m	160m	Visibility will be restricted by existing crest curve
SSD - Horizontal (m)	215	215	SSD impeded by existing crest curve north of junction		6	CD116 & CD109	Stopping sight distance	n/a	70m	Site Access - One design speed step below desirable required - Relaxation requested.
SSD - Vertical	160	215	A47 North - Up to 3 steps below due to initial adverse camber for SB traffic A47 South - One design speed step below desirable required - Relaxation requested		7	LOC HDG - Table DG4	Stopping sight distance	n/a	27m	
Horizontal curvature (m)	720	510			8	LOC HDG - Table DG4	Stopping sight distance	n/a	27m	



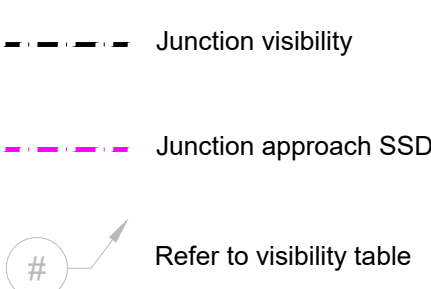
Key - General Arrangement



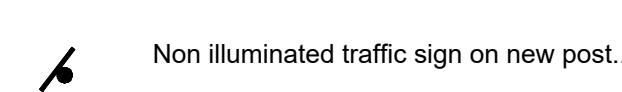
Key - Geometry - Roundabout



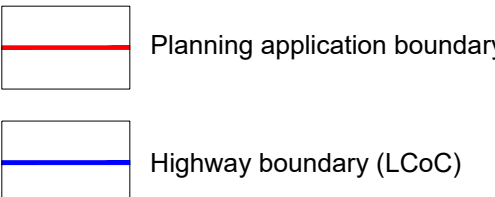
Key - Visibility



Key - Traffic sign



Key - Boundaries



PRELIMINARY ISSUE

P05	ADVANCE WARNING SIGNS ADDED AND AMENDED	16.02.2024	NM	IF	IF
P04	BOUNDARIES ADDED	06.10.2023	NM	IF	IF
P03	INDICATIVE ADS AND SIGNS ADDED	14.08.2023	NM	IF	IF
P02	AMENDMENTS FOLLOWING LCC COMMENTS	21.06.2023	MB	IF	IF
P01	PRELIMINARY FIRST ISSUE	29.11.2022	DM	IF	IF

Document Control

Issuing Office
Tetra Tech Leicester
Executive Park, Arden Way, Anstey, Leicester, United Kingdom, LE7 7GR
Tel: +44 (0)115 8234 8000
www.tetra-tech.co.uk

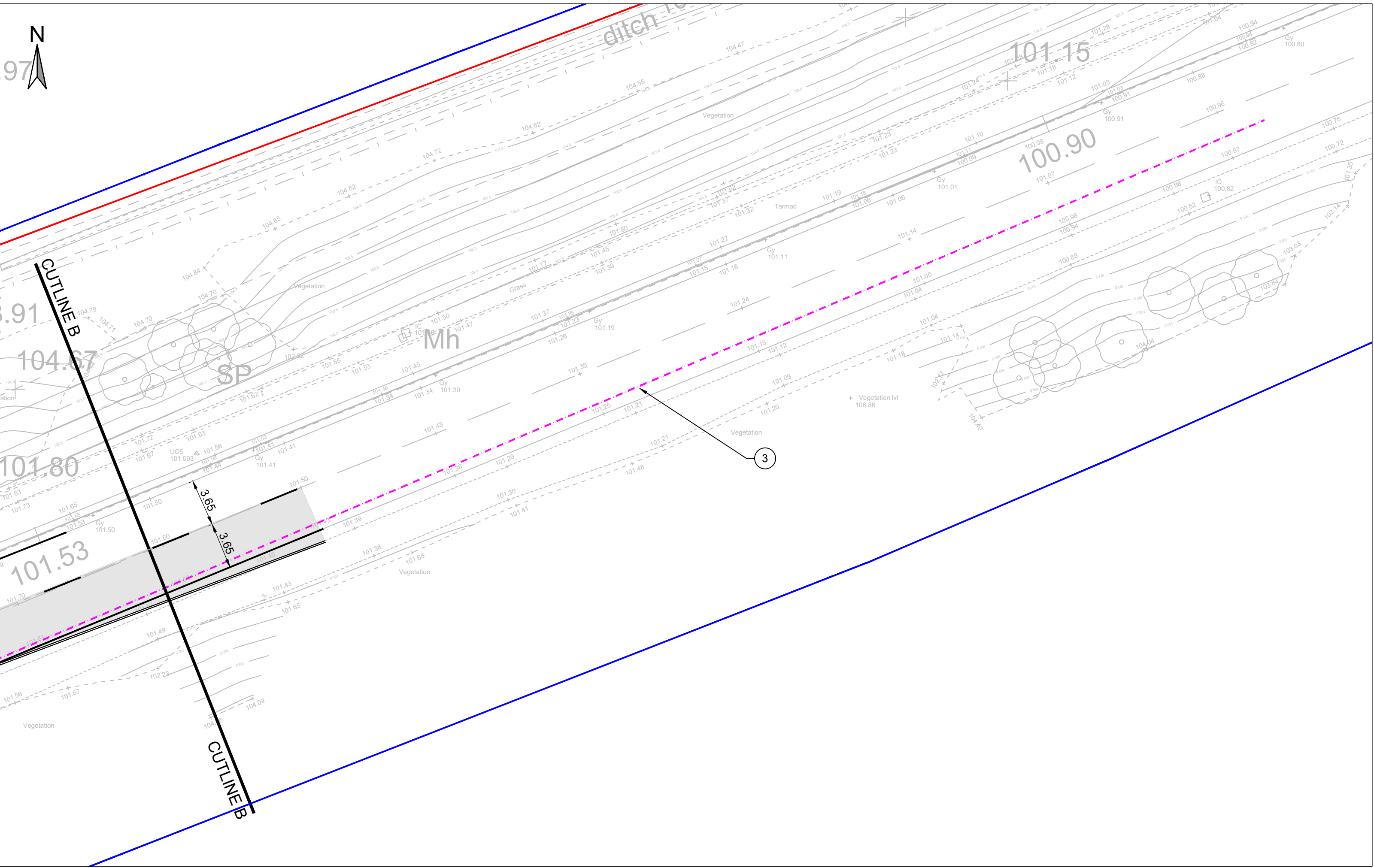
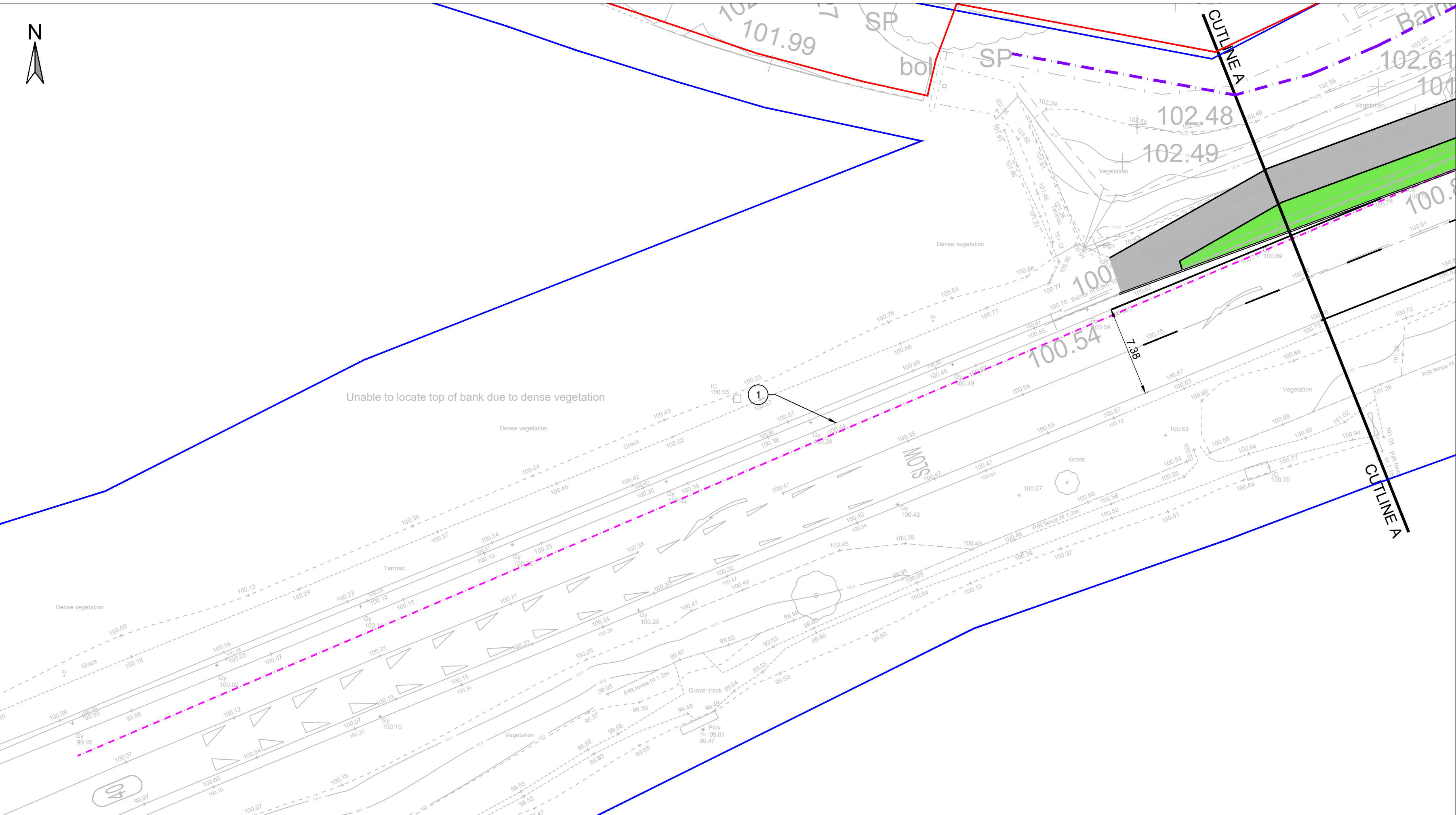


Project Name
A47 EARL SHILTON

Sheet Title
**NORTHERN ACCESS
PRELIMINARY LAYOUT
SHEET 2**

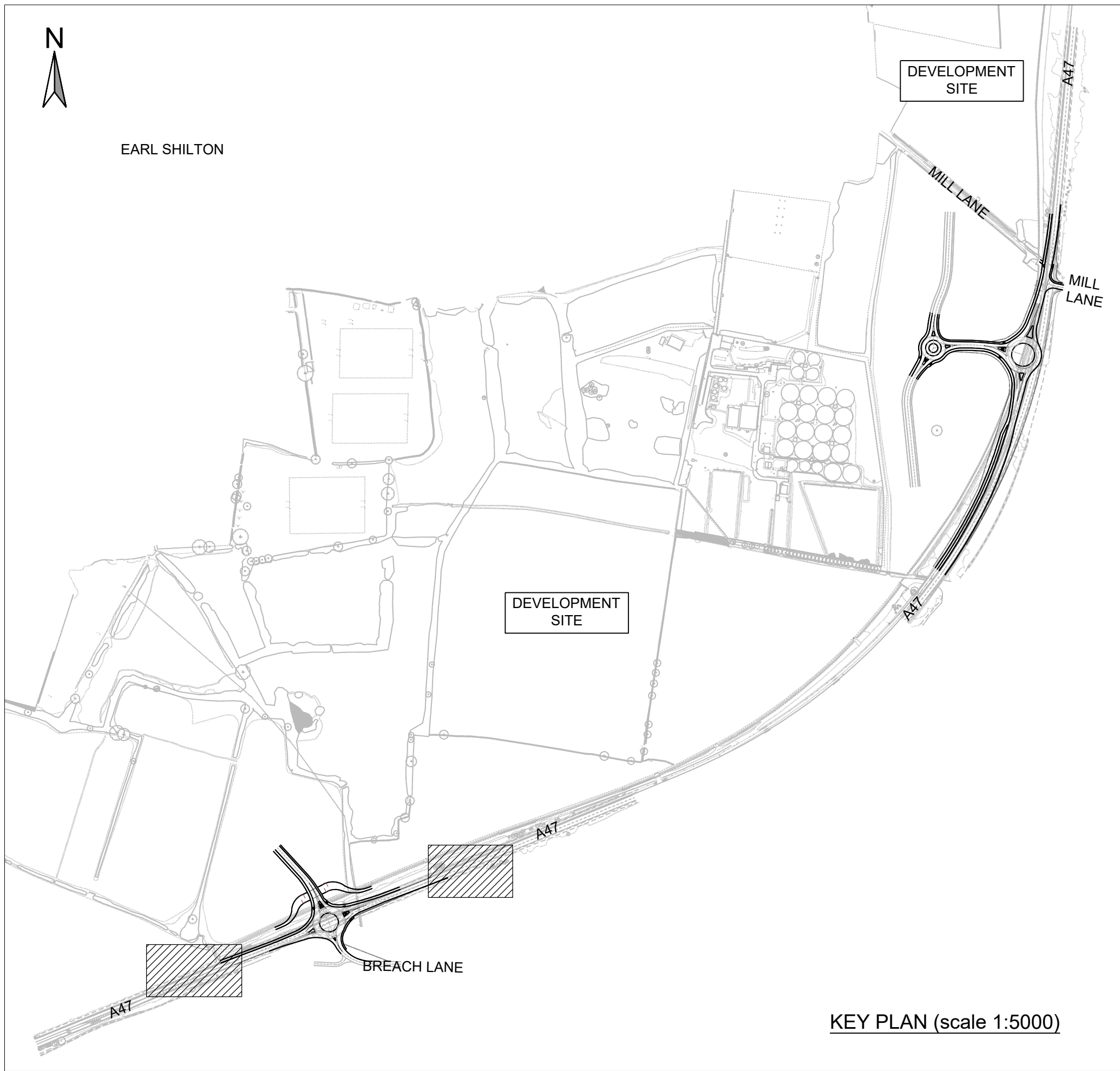
TTE Project Number	784-B033564	Drawn By	DM	Nov '22	IF	Nov '22	IF	Nov '22	IF	Scale @ A0	1:250	Suitability	SO
Client Project Number	B033564	Owner	TTE	XX	XX	DR	H	0012	P05	Revision			

© Copyright Tetra Tech TTE_MF_v1



Visibility splays					
Ref.	Design standard	Type	Set back (x)	SSD (y)	Comments
1	CD116 & CD109	Stopping sight distance	n/a	215m	
2	CD116 & CD109	Stopping sight distance	n/a	90m	
3	CD116 & CD109	Stopping sight distance	n/a	215m	
4	CD116 & CD109	Stopping sight distance	n/a	90m	
CD 109 Highway link design					
General					
Design Criteria		A47 North	A47 South	Comment	
Existing speed limit (mph)		N/A	N/A		
Actual speed - 85th percentile (mph)		N/A	N/A	No data available	
Proposed speed limit (mph)		N/A	N/A	No change in speed limit proposed	
Design Speed (kph)		100	100		
Proposed Cross Section		chw - 7.3m Lane - 3.65m HS - 1m	chw - 7.3m Lane - 3.65m HS - 1m	As per existing cross section	
SSD - Horizontal (m)		215	215		
SSD - Vertical		Refer to long sections	Refer to long sections		
Horizontal curvature (m)		2040	2040		
Vertical curvature		Refer to long sections	Refer to long sections		

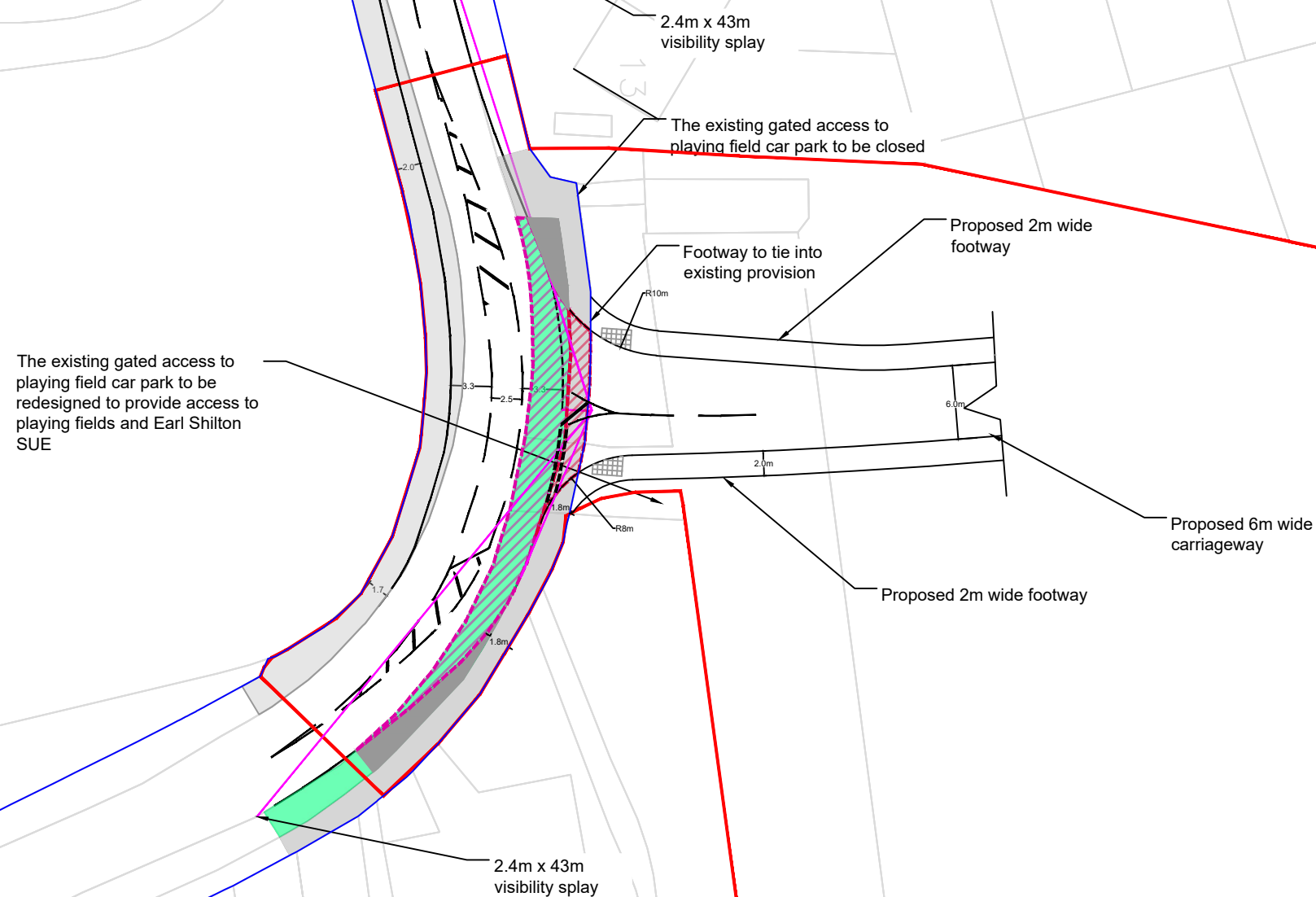
Key - General Arrangement		Key - Geometry - Roundabout	
	Carriageway		Entry Path Radius
	Footway		Entry Flare
	Verges		Entry Angle
	Tactile - Blister - uncontrolled crossing		
	Public right of way		
	Planning Application boundary	Key - Visibility	
	Highway boundary (LCoC)		Junction approach SSD
			Refer to visibility table



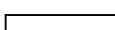
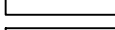
0 2.5 5 7.5 10 12.5 m
SCALE 1:250

PRELIMINARY ISSUE

Client 		Project Name A47 EARL SHILTON		Issuing Office Tetra Tech Leicester Executive Park, Aradon Way, Anstey, Leicester, United Kingdom, LE17 7GR Tel: +44 (0)115 8234 8000 www.tetratech.europa.com	
Drawn By Checked By Approved By Date 18.08.2023 15.08.2023 21.08.2023 28.11.2022		Project Title SOUTHERN ACCESS PRELIMINARY LAYOUT SHEET 2		Drawn By Checked By Approved By Date 18.08.2023 15.08.2023 21.08.2023 28.11.2022	
Revision Description Date 18.08.2023		Revision Description Date 18.08.2023		Revision Description Date 18.08.2023	
Document Control		Document Control		Document Control	



Key

- | | |
|---|-------------------------------|
|  | Existing |
|  | Existing footway |
|  | Existing verge |
|  | Highway boundary |
|  | 2.4 x 43m visibility splay |
|  | Verge to become carriageway |
|  | Footway to become carriageway |
|  | New areas of footway |

NOTES:

1. Alternative access to the playing fields will be suitably located beyond the cut line and that the detail will be submitted as part of the relevant reserved matter application.
2. Highway boundary reproduced from a plan provided by LCC
3. This proposal is a preliminary design only and it is not suitable for use for construction. Additional surveys including utility and drainage information will be required to develop this design to a detailed design.
4. Reference should be made to other documents accompanying this planning application.
5. Drawing to be used for planning purposes only.



© Crown copyright. All rights reserved. Licence number AL100001776.

Client	
--------	--

Barwood Strategic Land LLP

Earl Shilton Sustainable Urban Extension
Transport Assessment

Proposed Site Access from Astley Road General Arrangement

February 2024

