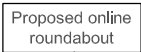


Appendix I Alternative Alignments Drawings



CH239821

CH617321

CH442523

Proposed alignment
for all options

Option 4

Option 1

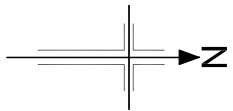
Option 2

Option 3

Sandy Lane to be stopped up at the junction with the A534 if Option 3 is used.

Relocation of proposed roundabout would require significant junction re-modelling. Engineering challenges may also be experienced where Loach Brook is crossed.

Loach Brook



KEY:

-
- Legend for the alignment map:
- Proposed alignment for all options (Grey line)
 - Option 1 (Red line)
 - Option 2 (Blue line)
 - Option 3 (Green line)
 - Option 4 (Purple line)
 - Landowner CH442523 (Purple line)
 - Landowner CH617321 (Orange line)
 - Landowner CH239821 (Cyan line)

Option Comparison

Option 1

- Increase in scheme length over existing option presented at Public Consultation: 548m
- 3N° two steps below Desirable Minimum horizontal curves (360m).
- 1N° 510m radius horizontal curve.

Option 2

- Increase in scheme length over existing option presented at Public Consultation: 479m
- 2N° two steps below Desirable Minimum horizontal curves (360m).
- 2N° Desirable Minimum horizontal curves (720m).

Option 3

- Increase in scheme length over existing option presented at Public Consultation: 0m
- 2N° two steps below Desirable Minimum horizontal curves (360m).
- 1N° Desirable Minimum horizontal curves (720m).

Option 4

- Increase in scheme length over existing option presented at Public Consultation: 0m
- 2N^o minimum R without elimination of adverse camber and transitions horizontal curves (2040m).

Notes

1. Design is subject to change throughout design development. Drawing is part of route optioneering work and is for information only.

DRAFT

0	04.02.2014	DRAFT - FOR INFORMATION ONLY	LH	PS	PS	-
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

JACOBS®

1 City Walk, Leeds, LS11 9DX
Tel: +44(0)113 242 6771 Fax: +44(0)113 389 1389
www.jacobs.com

Client	
--------	--



Project	
---------	--

CONGLETON LINK ROAD

Drawing title

ADDITIONAL OPTIONS TO THE WEST OF SANDY LANE (ZONE A)

Drawing status	
----------------	--

Scale	NTS @ A3	DO NOT SCALE
-------	----------	--------------

Jacobs No.	B1832001
------------	----------

Client no.	
------------	--

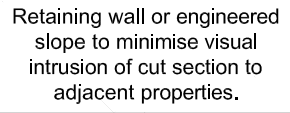
Drawing number

B1832001_SK_031

Rev

0

This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.



Alignment
Proposed at Public
Consultation.

Proposed bridge at
Loach Brook.

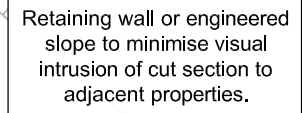
Proposed overbridge
at intersection with
Chelford Road.

Retaining wall or engineered slope to minimise visual intrusion of cut section to adjacent properties.

-0.3% gradient from overbridge cutting to offline roundabout to facilitate drainage.

Proposed offline roundabout.

Option 1A - Free Drainage to the River Dane.



Alignment
Proposed at Public
Consultation.

Proposed bridge at
Loach Brook.

Proposed overbridge
at intersection with
Chelford Road.

Pumping station will be required to pump highway runoff out of the trapped cutting in this area.

Proposed offline roundabout.

Option 1B - Pumping Station required in Trapped Cutting.

KEY:

- Alignment proposed at Public Consultation
- Option 1A
- Option 1B
- Retaining walls/engineered slopes

Notes:

1. Design is subject to change throughout design development. Drawing is part of route optioneering work and is for information only.
2. Options 1A and 1B have been designed for a Design Speed of 100kph. Both options contain 3 No two steps below Desirable minimum horizontal curves (360m).
3. Earthwork slopes of 1 in 3 (1V:3H) have been used throughout.
4. Forward visibility has not been checked. Verge widening could potentially be required to achieve Stopping Sight Distance.
5. Drainage outfall for the trapped cutting in Option 1B has not been identified.

DRAFT

0	06.02.2014	DRAFT - FOR INFORMATION ONLY	LH	PS	PS	-
Rev	Rev. Date	Purpose of revision	Drawn	Checkd	Rev'd	Appr'd

JACOBS®
1 City Walk, Leeds, LS11 9DX
Tel: +44(0)113 242 6771 Fax: +44(0)113 389 1389
www.jacobs.com

Client	
--------	--



Project	
---------	--

CONGLETON LINK ROAD

Drawing title

ADDITIONAL OPTIONS AT
CHELFORD ROAD
INCORPORATING OVERBRIDGE
(BLUE/PURPLE OPTION)

Drawing status	
----------------	--

Scale	NTS @ A3	DO NOT SCALE
-------	----------	--------------

Jacobs No.	B1832001
Client no.	

Drawing number	Rev
B1832001_SK_032	0

This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.



Retaining walls/engineered slopes

5. Drainage outfall for the trap cutting in Option 2B has not been identified.



0	06.02.2014	DRAFT - FOR INFORMATION ONLY	LH	PS	PS	-
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

JACOBS®

1 City Walk, Leeds, LS11 9DX
Tel: +44(0)113 242 6771 Fax: +44(0)113 389 1389
www.jacobs.com

Client	
--------	--



Project	
---------	--

CONGLETON LINK ROAD

Drawing title

Drawing title

ADDITIONAL OPTIONS AT
CHELFORD ROAD
INCORPORATING OVERBRIDGE
(RED/GREEN OPTION)

Drawing status	
----------------	--

Scale	NTS @ A3	DO NOT SCALE
-------	----------	--------------

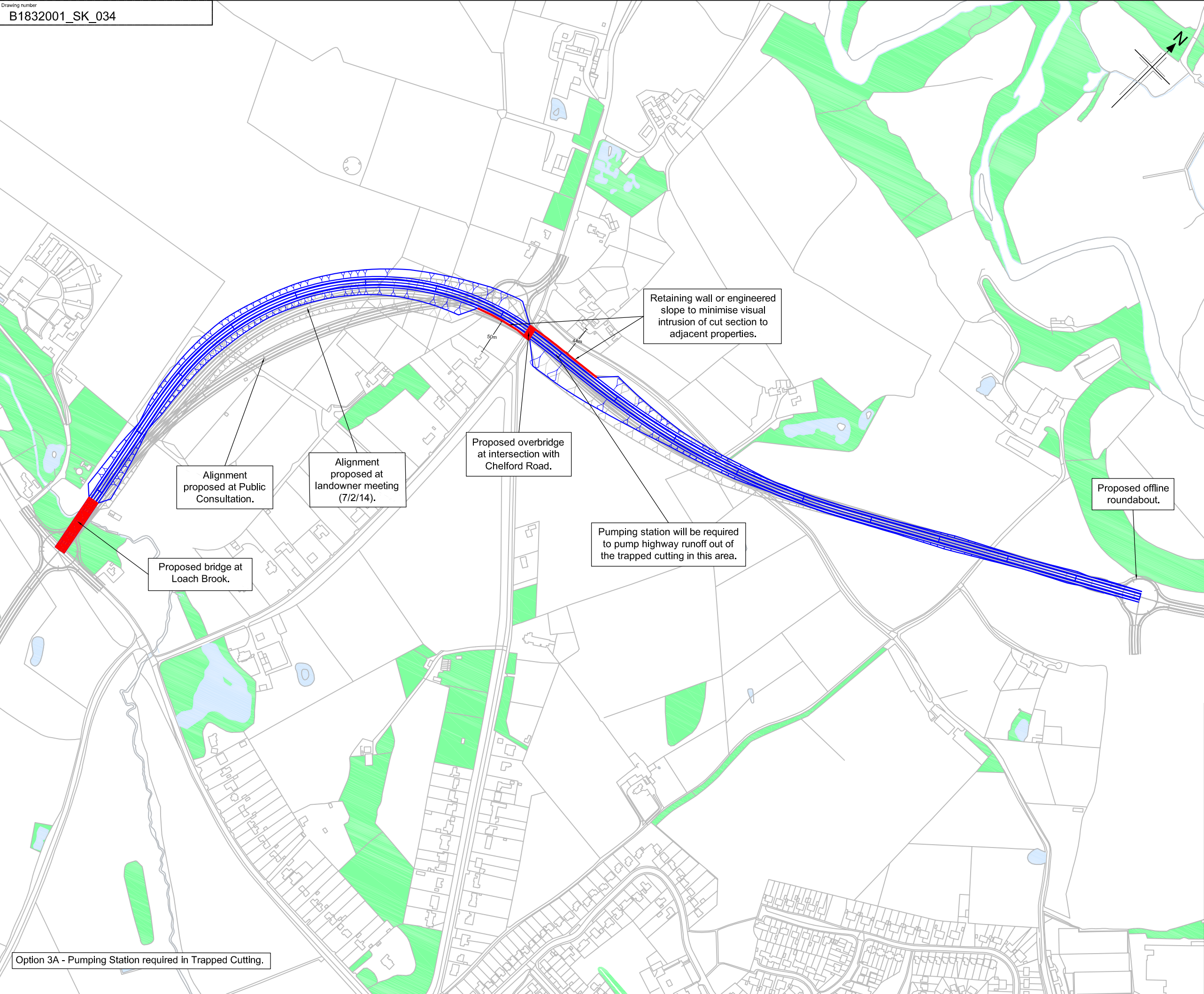
Jacobs No.

Drawing number

B1832001_SK_033

3V

This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.



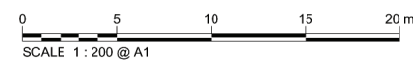
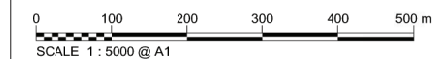
- KEY:**
- Alignment proposed at Public Consultation
 - Alignment proposed at landowner meeting (2/7/14)
 - Option 3A
 - Retaining walls/engineered slopes
- Notes:**
- Design is subject to change throughout design development. Drawing is part of route optioneering work and is for information only.
 - Option 3A has been designed for a Design Speed of 100kph and contains 1No two steps below Desirable Minimum horizontal curve (360m).
 - Earthwork slopes of 1 in 3 (1V:3H) have been used throughout.
 - Forward visibility has not been checked. Verge widening could potentially be required to achieve Stopping Sight Distance.
 - Drainage outfall for the trapped cutting has not been identified.

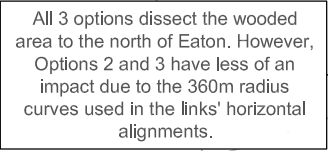
DRAFT

0	07.03.2014	DRAFT - FOR INFORMATION ONLY	LH	PS	PS	-
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
JACOBS 1 City Walk, Leeds, LS11 9DX Tel: +44(0)113 242 6771 Fax: +44(0)113 389 1389 www.jacobs.com						
Client Cheshire East Council						
Project CONGLETON LINK ROAD						
Drawing title ADDITIONAL CHELFORD ROAD OPTION MINIMISING SEVERANCE TO THE WEST OF SANDY LANE (RED/GREEN OPTION)						
Drawing status						
Scale NTS @ A3			DO NOT SCALE			
Jacobs No. B1832001						
Client no.						
Drawing number B1832001_SK_034						Rev 0
This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

Option 3A - Pumping Station required in Trapped Cutting.

- Key:**
- | | |
|--|--|
| | Purple route option |
| | Alternative route option avoiding Church Wood |
| | Indicative structure location for purple option |
| | Indicative structure location for alternative option |
| | River Cane flood plain |
| | Vegetated areas |
| | Surface water features |
| | 1 step relaxation to horizontal curve radii |
| | 2 step relaxation to horizontal curve radii |







Option 3 would sever access to wooded area. New access would need to be provided.

Connection to A536 Macclesfield Road cannot be fully designed as the topographical survey does not cover this area.

Options 1 and 2 remove the small-radius bend on the A536.

EXISTING BLUE/GREEN
OPTION ALIGNMENT

Existing Blue/Green
Option Alignment

-  Option 1
 Option 2
 Option 3
 Preferred Area for Mineral Safeguarding

Option 1

- Increase in scheme length over existing Blue/Green Option presented at Public Consultation: 350m
- Option encroaches on the Preferred Area for Mineral Safeguarding.
- 2N° Desirable Minimum horizontal curves (720m).
- 0N° two steps below Desirable Minimum horizontal curves (360m).

- Increase in scheme length over existing Blue/Green Option presented at Public Consultation: 360m
- Option encroaches on the Preferred Area for Mineral Safeguarding.
- 0N° Desirable Minimum horizontal curves (720m).
- 2N° two steps below Desirable Minimum horizontal curves (360m).

- Increase in scheme length over existing Blue/Green Option presented at Public Consultation: 540m
- Option encroaches on the Preferred Area for Mineral Safeguarding.
- 0N^o Desirable Minimum horizontal curves (720m).
- 2N^o two steps below Desirable Minimum horizontal curves (360m).

1. Design is subject to change throughout design development. Drawing is part of route optioneering work and is for information only.

DRAFT

0	29.01.2014	DRAFT - FOR INFORMATION ONLY	LH	PS	PS	-
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd

JACOBS®
1 City Walk, Leeds, LS11 9DX
Tel: +44(0)113 242 6771 Fax: +44(0)113 389 1389
www.jacobs.com

Client	
--------	--



Project

CONGLETON LINK ROAD

Drawing title

ALTERNATIVE ALIGNMENT OPTIONS TO THE NORTH OF EATON

	Drawing status
--	----------------

Scale	NTS @ A3	DO NOT SCALE
-------	----------	--------------

Jacobs No.	B1832001
Client no.	

Drawing number	Rev
B1832001_SK_029	0

This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.