

# A66 - Key Proposed Construction Activities (Phase 2 Works)

**FLOODPLAIN KEY**

- Floodplain River Eden 1 in 2 year & Trout Beck 1 in 2 year
- Floodplain River Eden 1 in 100 year storm + 94% CC Trout Beck 1 in 20 year storm + 94% CC
- Floodplain River Eden 1 in 20 year storm + 94% CC Trout Beck 1 in 100 year storm + 94% CC

**KEY**

- Red line boundary
- Existing layout
- Existing watercourse
- Proposed layout
- Highway structure
- Culvert
- Cut-off drain
- Surface water channel
- Dry stone wall
- Noise barrier
- Proposed boundary treatment
- Proposed gate
- Traffic sign
- Proposed lighting column
- Proposed traffic signal
- Technology site
- Proposed vehicle restraint system
- Headwall
- Pipe to Outfall
- Earthworks
- Pond
- Proposed Bridleway
- Abandoned Bridleway
- Existing Bridleway
- Proposed Byway
- Abandoned Byway
- Existing Byway
- Proposed Byway Open to All Traffic (BOAT)
- Abandoned Byway Open to All Traffic (BOAT)
- Existing Byway Open to All Traffic (BOAT)
- Proposed Footway/Footpath
- Abandoned Footway/Footpath
- Existing Footway/Footpath
- Proposed Cycleway
- Abandoned Cycleway
- Existing Cycleway
- Proposed Shared Cycle Footway
- Abandoned Shared Cycle Footway
- Existing Shared Cycle Footway
- Earth Bund
- Farm Track/Access
- Haul Road
- Rest Area
- Quiet Lane
- Designated Walkers, Cyclists and Horse Riders Route
- Maintenance Lay-by
- Compound/Storage Area
- Demolished buildings
- Mine workings
- Floodplain
- ACNB
- Retaining Wall
- Major Overhead Services
- Major Underground Services

**Legend**

- Roads open & in public use**
- Construction Work Area Phase 1**
- Construction Work Area Phase 2**

**Important** - Some features shown on this drawing may be different from those shown in the Maps Books. The purpose of the drawings highlight elements of the construction works and where discrepancies with the Map Books exist, the Map Book versions should be regarded as showing the preliminary design.

**NOTES**

- All levels are in metres above Ordnance Datum.
- All dimensions are in metres unless otherwise stated.
- This drawing is to be read in conjunction with all other relevant drawings.
- This drawing is to be read in conjunction with the accompanying Technical Note.
- Ordnance Survey data has been replaced by more detailed Sensat Survey (aerial mapping by drones) data where the existing OA66 ties in with the proposed RA66 and TSL Road.
- Design in progress - all facilities shown in this GA plan may be subject to change.

**RESIDUAL DESIGN HAZARDS**  
 (The following information has been collected from Preconstruction Information and the Arney Arap DUV CDM Hazard Management Process.)

- Underground Services
- Overhead Services

For continuation refer to sheet 6  
 For continuation refer to sheet 7

FOOTWAY 341817 (RAVENBER WAY)

This area is to be re-designed following receipt of further information showing the Scheduled Monument (Roman Camp) is larger than previously shown.

Highway Boundary E  
 The highway verge will be widened for planned maintenance works to the pond, allowing for HGV turning area and site activities. Area of verge to temporarily planted outside of maintenance activities.

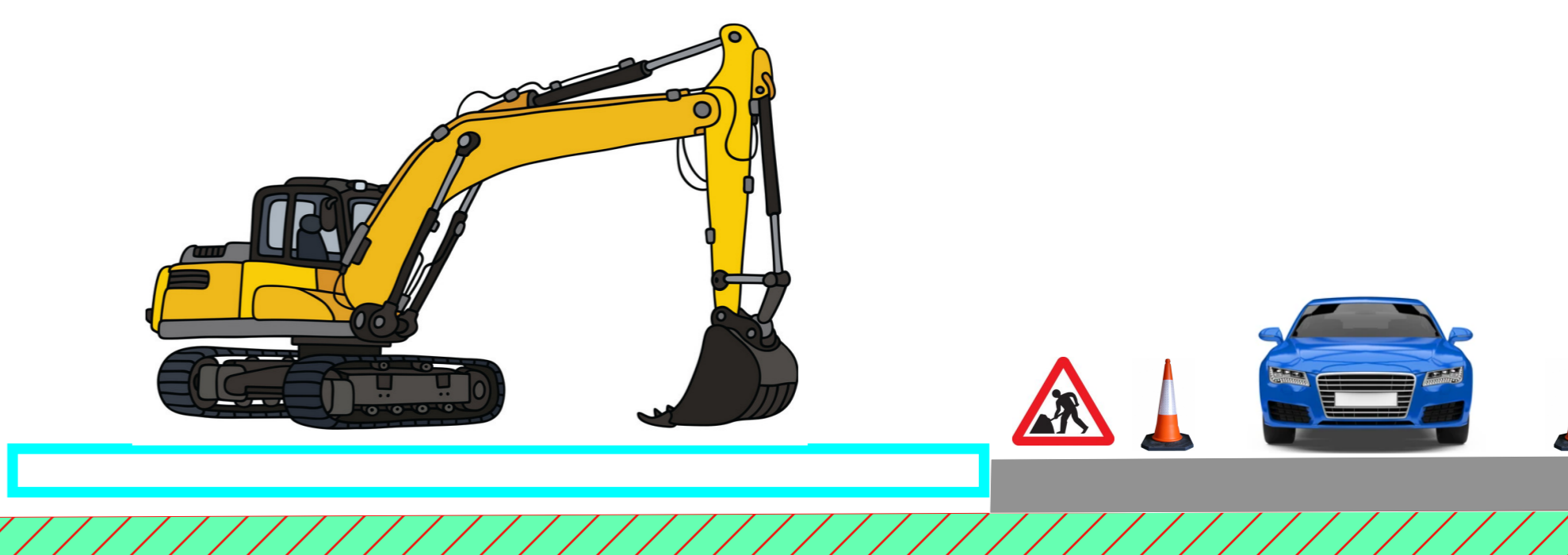
Layby Reduced  
 A crossing point for the brideway will be installed, reducing the length of verge that is being used as a layby.

**All main works are expected to be undertaken during phase 1 due to the route being predominately offline, enabling large amounts of work to take place.**

Alterations to Driveway  
 The highway is to be lifted and widened in front of the driveway resulting in the boundary wall being moved back and the driveway being ramped up to the new highway level. This will be the garden where it joins with the new highway boundary and new driveway levels.

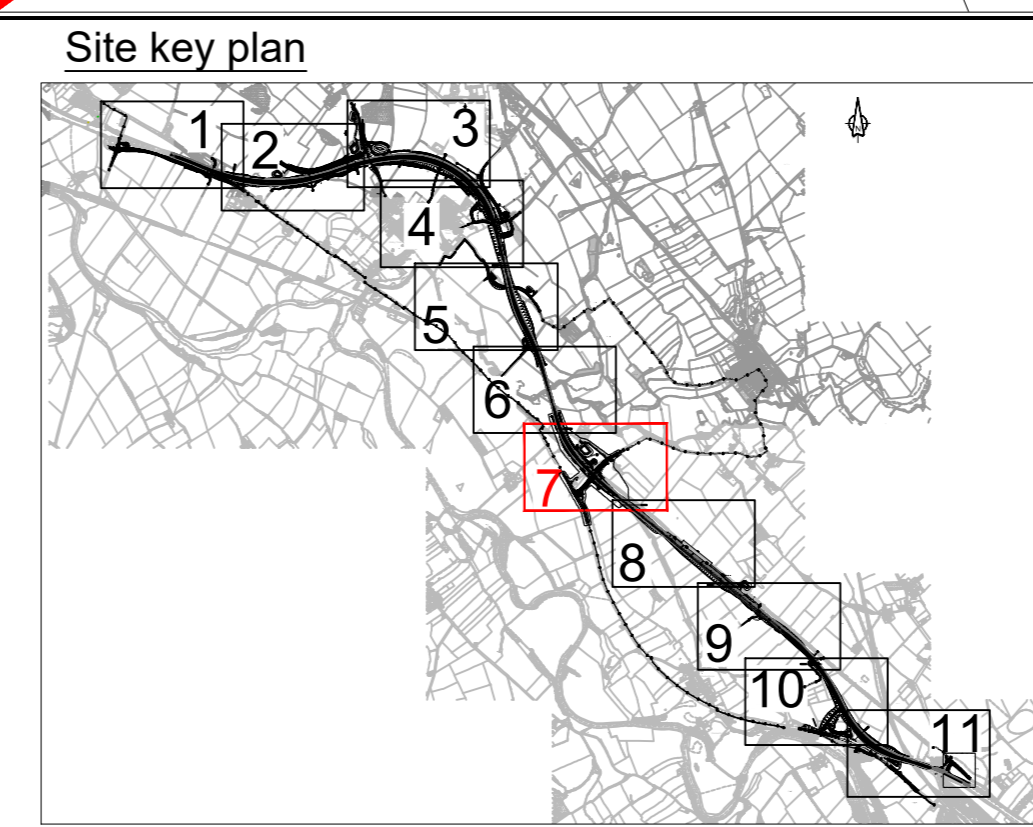
**Construction works - New road alignment**

Works will take place to realign the road to the new layout with some traffic management being required to ensure the works can be undertaken safely whilst allowing traffic movements. With some works taking place online, it may be necessary to impose one way traffic restriction to complete the road in a timely manner, which looks to minimise disruption to stakeholders.



Reduce Junction  
 This junction becomes a direct access for Powis Cottage and the

Proposed Bridge for Long Marton.



Revision	Created	Checked	Reviewed	Approved	Authorised
P01	GCHI	GCHI	SHAL	KCRO	---
	08/09/21	08/09/21	08/09/21	08/09/21	---

Designer  
 Arney OW Limited  
 Chancery Exchange  
 10 Furnival Street  
 London, EC4A 1AB

Client  
 3 Piccadilly Place  
 Manchester  
 M1 3BN

Project Name  
 A66 Northern Trans-Pennine

Drawing Title  
 Temple Sowerby to Appleby  
 Blue Option General Arrangement  
 Sheet 7 of 11  
 (Powis House Junction)

Project Ref. No.	Stage	Scale	@ A0
---	PCF3	1:1000	

Drawing Number	Project	Originator	Volume
HE565627	S0405	---	---

Location	Type	Role	Number
---	---	---	---

Subtality	Subtality Description	Revision
S1	Fit for Co-ordination	P01

# A66 - Key Proposed Construction Activities (Phase 2 Works)

This area is to be re-designed following receipt of further information showing the Scheduled Monument (Roman Camp) is larger than previously shown.

All main works are expected to be undertaken during phase 1 due to the route being predominately offline, enabling large amounts of work to take place.

**KEY**

- Red line boundary
- Existing layout
- Existing watercourse
- Proposed layout
- Highway structure
- Culvert
- Cut-off drain
- Surface water channel
- Dry stone wall
- Noise barrier
- Proposed boundary treatment
- Proposed gate
- Traffic sign
- Proposed lighting column
- Proposed traffic signal
- Technology site
- Proposed vehicle restraint system
- Headwall
- Pipe to Outfall
- Earthworks
- Pond
- Proposed Bridleway
- Abandoned Bridleway
- Existing Bridleway
- Proposed Byway
- Abandoned Byway
- Existing Byway
- Proposed Byway Open to All Traffic (BOAT)
- Abandoned Byway Open to All Traffic (BOAT)
- Existing Byway Open to All Traffic (BOAT)
- Proposed Footway/Footpath
- Abandoned Footway/Footpath
- Existing Footway/Footpath
- Proposed Cycleway
- Abandoned Cycleway
- Existing Cycleway
- Proposed Shared Cycle Footway
- Abandoned Shared Cycle Footway
- Existing Shared Cycle Footway
- Earth Bund
- Farm Track/Access
- Haul Road
- Rest Area
- Quiet Lane
- Designated Walkers, Cyclists and Horse Riders Route
- Maintenance Lay-by
- Compound/Storage Area
- Demolished buildings
- Mine workings
- Floodplain
- ACNB
- Retaining Wall
- Major Overhead Services
- Major Underground Services

**Important** - Some features shown on this drawing may be different from those shown in the Maps Books. The purpose of the drawings highlight elements of the construction works and where discrepancies with the Map Books exist, the Map Book versions should be regarded as showing the preliminary design.

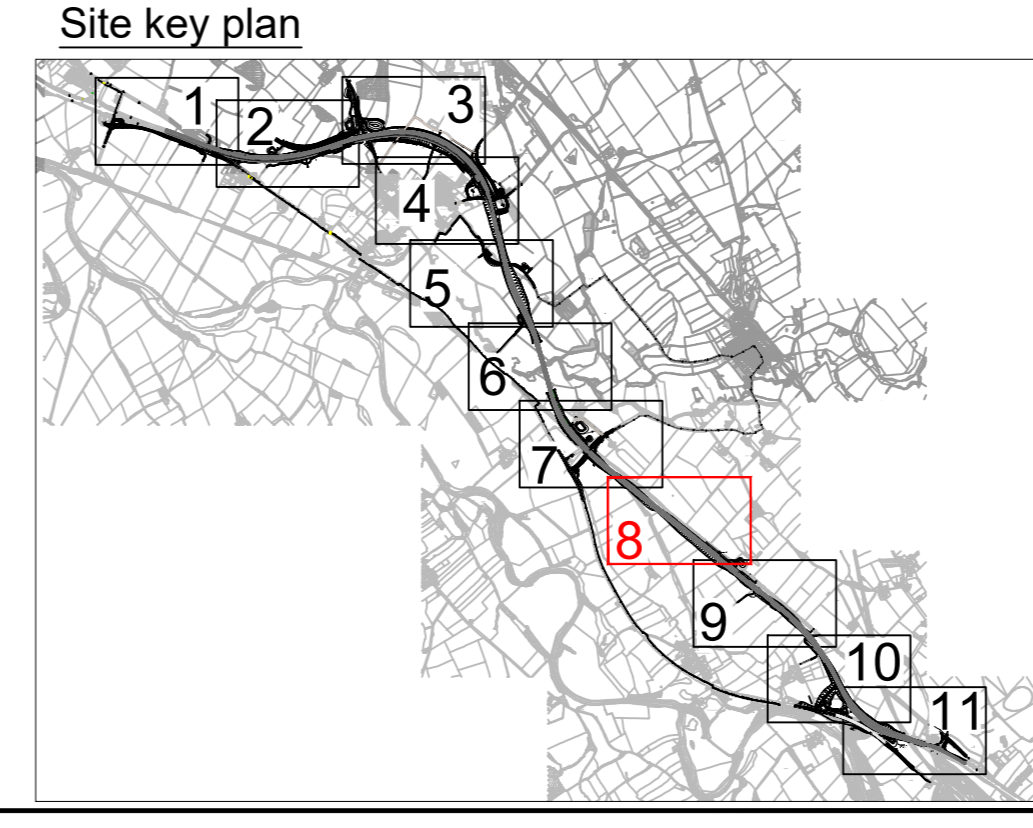
**Legend**

<b>Roads open &amp; in public use</b>	
<b>Construction Work Area Phase 1</b>	
<b>Construction Work Area Phase 2</b>	

- NOTES**
- All levels are in metres above Ordnance Datum.
  - All dimensions are in metres unless otherwise stated.
  - This drawing is to be read in conjunction with all other relevant drawings.
  - This drawing to be read in conjunction with the accompanying Technical Note.
  - Ordnance Survey data has been replaced by more detailed Sensat Survey (aerial mapping by drones) data where the existing OA66 ties in with the proposed RA66 and TSL Road.
  - Design in progress - all facilities shown in this GA plan may be subject to change.

**RESIDUAL DESIGN HAZARDS**  
 (The following information has been collected from Preconstruction Information and the Arise Arup DUV CDM Hazard Management Process.)

Underground Services  
 Overhead Services.



Revision	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy
P01	GCH	GCH	SHAL	KCRO	---
	08/09/21	08/09/21	08/09/21	08/09/21	---

Designer Arney OW Limited Chancery Exchange 10 Furnival Street London, EC4A 1AB		Client 3 Piccadilly Place Manchester M1 3BN	
Project Name A66 Northern Trans-Pennine		Project Ref. No. ---	Stage PCF3
Drawing Title Temple Sowerby to Appleby Blue Option General Arrangement Sheet 8 of 11 (Crackenthorpe)		Drawing Number HE565627 - AMY - HGN S0405	Location -DR-CH-000208
Suitability S1	Suitability Description Fit for Co-ordination	Revision P01	

# A66 - Key Proposed Construction Activities (Phase 2 Works)

**All main works are expected to be undertaken during phase 1 due to the route being predominately offline, enabling large amounts of work to take place.**

KEY	
	Red line boundary
	Existing layout
	Existing watercourse
	Proposed layout
	Highway structure
	Culvert
	Cut-off drain
	Surface water channel
	Dry stone wall
	Noise barrier
	Proposed boundary treatment
	Proposed gate
	Traffic sign
	Proposed lighting column
	Proposed traffic signal
	Technology site
	Proposed vehicle restraint system
	Headwall
	Pipe to Outfall
	Earthworks
	Pond
	Proposed Bridleway
	Abandoned Bridleway
	Existing Bridleway
	Proposed Byway
	Abandoned Byway
	Existing Byway
	Proposed Byway Open to All Traffic (BOAT)
	Abandoned Byway Open to All Traffic (BOAT)
	Existing Byway Open to All Traffic (BOAT)
	Proposed Footway/Footpath
	Abandoned Footway/Footpath
	Existing Footway/Footpath
	Proposed Cycleway
	Abandoned Cycleway
	Existing Cycleway
	Proposed Shared Cycle Footway
	Abandoned Shared Cycle Footway
	Existing Shared Cycle Footway
	Earth Band
	Farm Track/Access
	Haul Road
	Rest Area
	Quiet Lane
	Designated Walkers, Cyclists and Horse Riders Route
	Maintenance Lay-by
	Compound/Storage Area
	Demolished buildings
	Mine workings
	Floodplain
	ACNB
	Retaining Wall
	Major Overhead Services
	Major Underground Services

AREA FOR TOPSOIL STORAGE (13391.5m<sup>2</sup>)

Proposed Underpass For bridleway. 4m wide. 3.4m headroom.

Proposed Underpass For diverted farm track. 4m wide. 3.4m headroom.

AREA FOR TOPSOIL STORAGE (869m<sup>2</sup>)

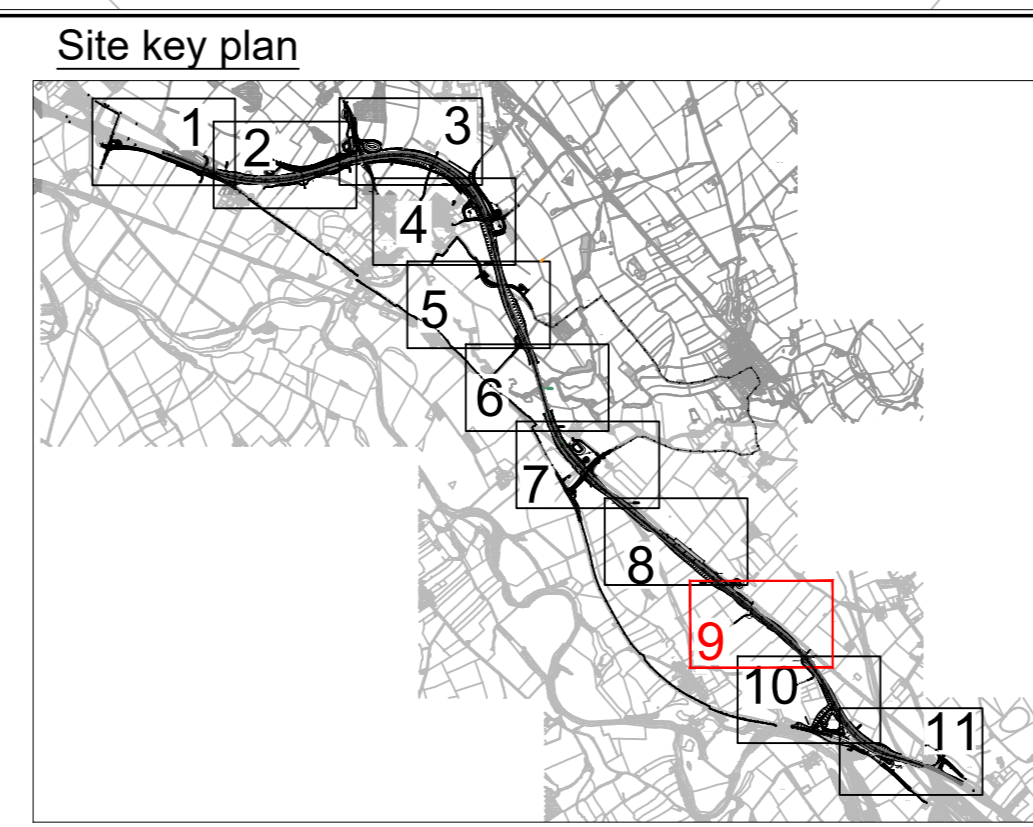
For continuation refer to sheet 9  
For continuation refer to sheet 10

**Important** - Some features shown on this drawing may be different from those shown in the Maps Books. The purpose of the drawings highlight elements of the construction works and where discrepancies with the Map Books exist, the Map Book versions should be regarded as showing the preliminary design.

Legend	
Roads open & in public use	
Construction Work Area Phase 1	
Construction Work Area Phase 2	

**RESIDUAL DESIGN HAZARDS**  
(The following information has been collected from Preconstruction Information and the Arney Asp GUV CDM Hazard Management Process.)  
Underground Services  
Overhead Services

- NOTES**
- All levels are in metres above Ordnance Datum.
  - All dimensions are in metres unless otherwise stated.
  - This drawing is to be read in conjunction with all other relevant drawings.
  - This drawing to be read in conjunction with the accompanying Technical Note.
  - Ordnance Survey data has been replaced by more detailed Sensat Survey (aerial mapping by drones) data where the existing OA66 ties in with the proposed RA66 and TSL Road.
  - Design in progress - all facilities shown in this GA plan may be subject to change.



Revision	Created	Checked	Reviewed	Approved	Authorised
P01	08/09/21	GCHI	08/09/21	SHAL	08/09/21
				KCRO	08/09/21

Designer  
Arney OW Limited  
Chancery Exchange  
10 Furnival Street  
London, EC4A 1AB

**A66 NTP** Integrated Project Team

Client  
3 Piccadilly Place  
Manchester  
M1 3BN

highways england

Project Name  
A66 Northern Trans-Pennine

Project Ref. No. Stage Scale: 1:1000 @ AD  
--- PCF3 Dimensions: M

Drawing Title  
Temple Sowerby to Appleby  
Blue Option General Arrangement  
Sheet 9 of 11  
(Roger Head)

Drawing Number  
HE565627 - AMY - HGN  
S0405 -DR-CH- 000209  
Location | Type | Role | Number

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P01

# A66 - Key Proposed Construction Activities (Phase 2 Works)

**Legend**

Roads open & in public use

Construction Work Area Phase 1

Construction Work Area Phase 2

**KEY**

- Red line boundary
- Existing layout
- Existing watercourse
- Proposed layout
- Highway structure
- Culvert
- Cut-off drain
- Surface water channel
- Dry stone wall
- Noise barrier
- Proposed boundary treatment
- Proposed gate
- Traffic sign
- Proposed lighting column
- Proposed traffic signal
- Technology site
- Proposed vehicle restraint system
- Headwall
- Pipe to Outfall
- Earthworks
- Pond
- Proposed Bridleway
- Abandoned Bridleway
- Existing Bridleway
- Proposed Byway
- Abandoned Byway
- Existing Byway
- Proposed Byway Open to All Traffic (BOAT)
- Abandoned Byway Open to All Traffic (BOAT)
- Existing Byway Open to All Traffic (BOAT)
- Proposed Footway/Footpath
- Abandoned Footway/Footpath
- Existing Footway/Footpath
- Proposed Cycleway
- Abandoned Cycleway
- Existing Cycleway
- Proposed Shared Cycle Footway
- Abandoned Shared Cycle Footway
- Existing Shared Cycle Footway
- Earth Bund
- Farm Track/Access
- Haul Road
- Rest Area
- Quiet Lane
- Designated Walkers, Cyclists and Horse Riders Route
- Maintenance Lay-by
- Compound/Storage Area
- Demolished buildings
- Mine workings
- Floodplain
- ACNB
- Retaining Wall
- Major Overhead Services
- Major Underground Services

**Construction works - New road alignment**

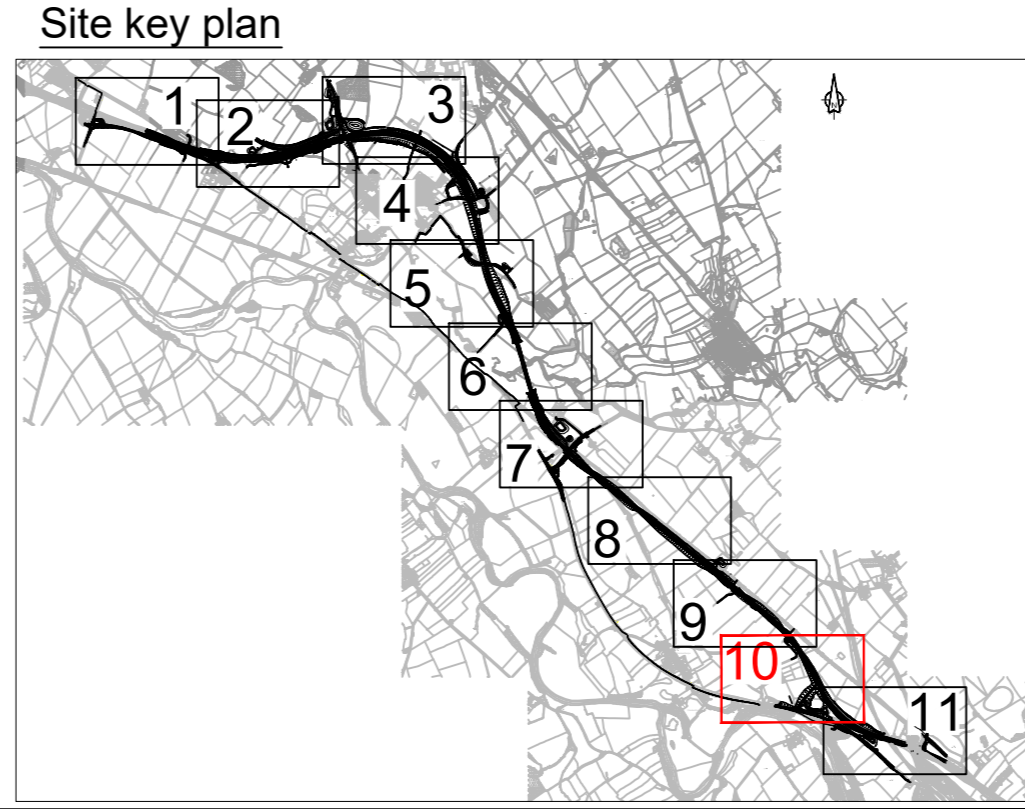
Works will take place to realign the de-trunked A66 road to the new layout with some traffic management being required to ensure the works can be undertaken safely whilst allowing traffic movements. With some works taking place online, it may be necessary to impose one way traffic restriction to complete the road in a timely manner, which looks to minimise disruption to stakeholders.

**Important** - Some features shown on this drawing may be different from those shown in the Maps Books. The purpose of the drawings highlight elements of the construction works and where discrepancies with the Map Books exist, the Map Book versions should be regarded as showing the preliminary design.

**RESIDUAL DESIGN HAZARDS**  
 (The following information has been collected from Preconstruction Information and the Arney A66 DUJ CDM Hazard Management Process.)

Underground Services.  
 Overhead Services.

- NOTES**
- All levels are in metres above Ordnance Datum.
  - All dimensions are in metres unless otherwise stated.
  - This drawing is to be read in conjunction with all other relevant drawings.
  - This drawing is to be read in conjunction with the accompanying Technical Note.
  - Ordnance Survey data has been replaced by more detailed Sensat Survey (aerial mapping by drones) data where the existing OA66 ties in with the proposed RA66 and TSL Road.
  - Design in progress - all facilities shown in this GA plan may be subject to change.



Revision	Created	Checked	Reviewed	Approved	Authorised
	ddmmyy	ddmmyy	ddmmyy	ddmmyy	ddmmyy
P01	GCH	GCH	SHAL	KCRO	
	08/08/21	08/09/21	08/09/21	08/09/21	

Designer  
 Arney OW Limited  
 Chancery Exchange  
 10 Fumival Street  
 London, EC4A 1AB

**A66 NTP** Integrated Project Team

Client  
 3 Piccadilly Place  
 Manchester  
 M1 3BN

highways england

Project Name  
 A66 Northern Trans-Pennine

Project Ref. No. Stage Scale: 1:1000 @ A0  
 --- PCF3 Dimensions: M

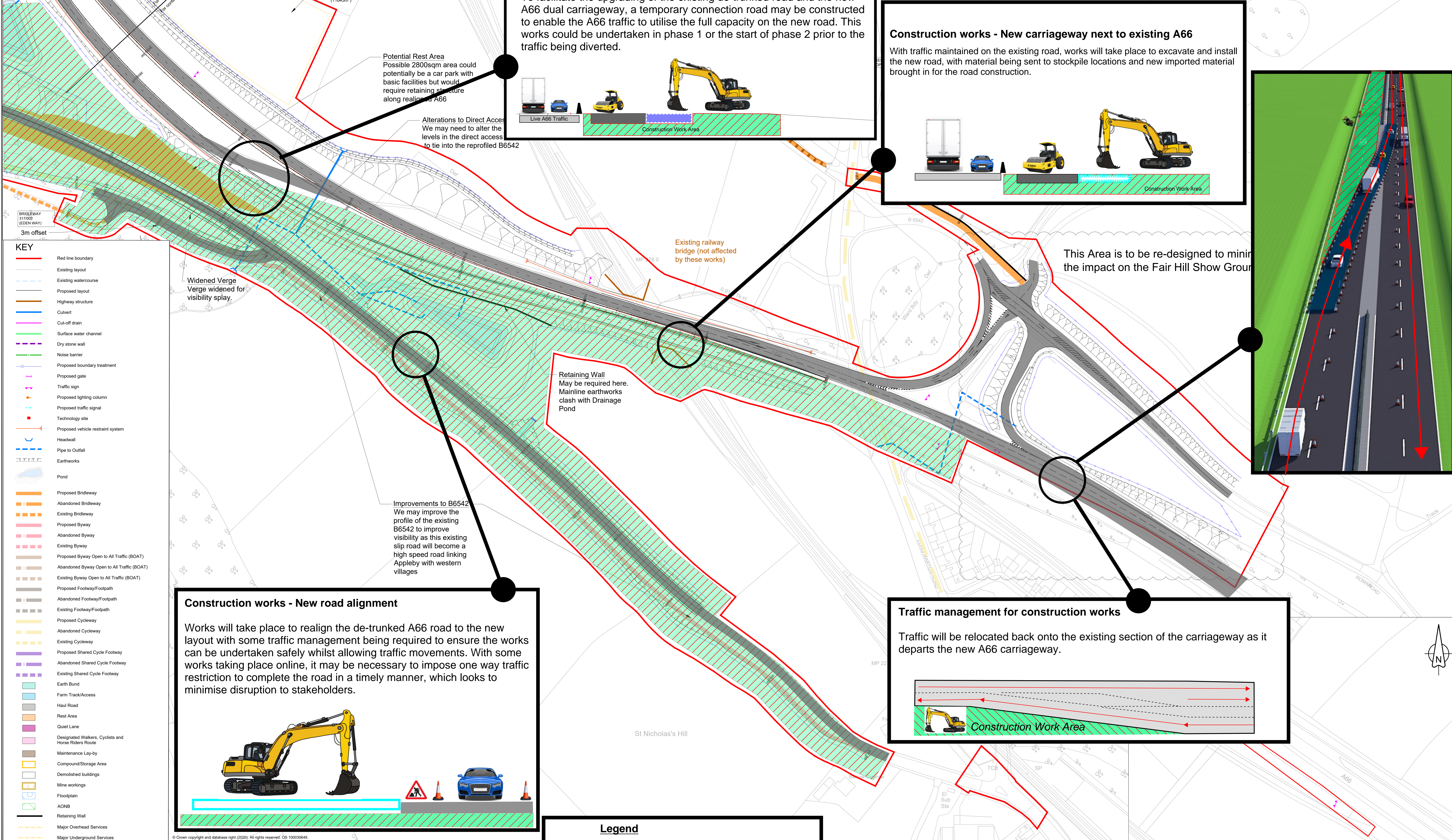
Drawing Number  
 Project | Originator | Volume  
 HE565627 - AMY - HGN  
 S0405 -DR-CH- 000210  
 Location | Type | Role | Number

Drawing Title  
 Temple Sowerby to Appleby  
 Blue Option General Arrangement  
 Sheet 10 of 11  
 (B6542 Westbound Junction)

Suitability  
 S1 Suitability Description  
 Fit for Co-ordination

Revision  
 P01

# A66 - Key Proposed Construction Activities (Phase 2 Works)

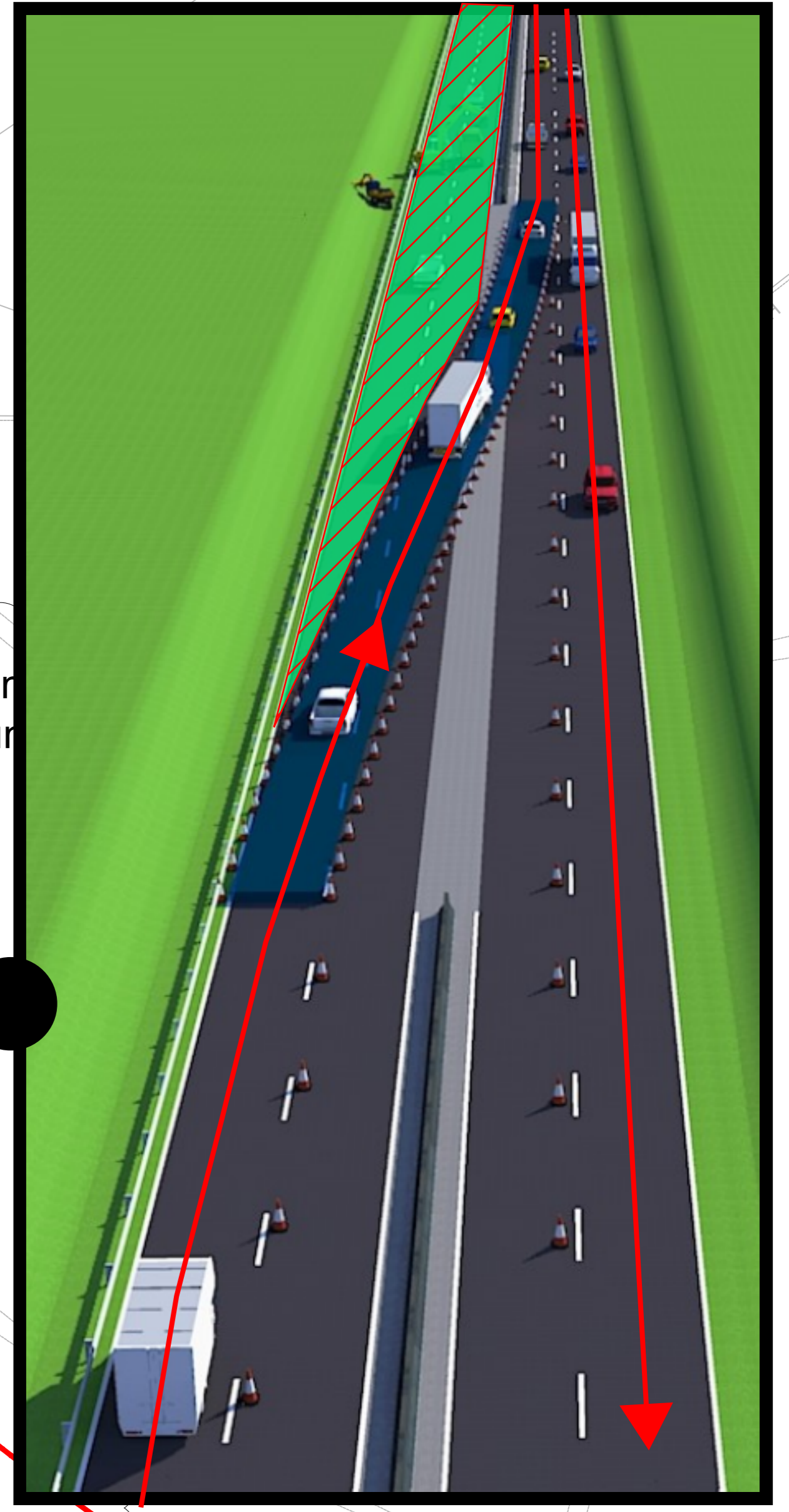


### Construction works - New diversion route

To facilitate the upgrading of the existing de-trunked road and the new A66 dual carriageway, a temporary connection road may be constructed to enable the A66 traffic to utilise the full capacity on the new road. This works could be undertaken in phase 1 or the start of phase 2 prior to the traffic being diverted.

### Construction works - New carriageway next to existing A66

With traffic maintained on the existing road, works will take place to excavate and install the new road, with material being sent to stockpile locations and new imported material brought in for the road construction.



- ### KEY
- Red line boundary
  - Existing layout
  - Existing watercourse
  - Proposed layout
  - Highway structure
  - Culvert
  - Cut-off drain
  - Surface water channel
  - Dry stone wall
  - Noise barrier
  - Proposed boundary treatment
  - Proposed gate
  - Traffic sign
  - Proposed lighting column
  - Proposed traffic signal
  - Technology site
  - Proposed vehicle restraint system
  - Headwall
  - Pipe to Outfall
  - Earthworks
  - Pond
  - Proposed Bridleway
  - Abandoned Bridleway
  - Existing Bridleway
  - Proposed Byway
  - Abandoned Byway
  - Existing Byway
  - Proposed Byway Open to All Traffic (BOAT)
  - Abandoned Byway Open to All Traffic (BOAT)
  - Existing Byway Open to All Traffic (BOAT)
  - Proposed Footway/Footpath
  - Abandoned Footway/Footpath
  - Existing Footway/Footpath
  - Proposed Cycleway
  - Abandoned Cycleway
  - Existing Cycleway
  - Proposed Shared Cycle Footway
  - Abandoned Shared Cycle Footway
  - Existing Shared Cycle Footway
  - Earth Bund
  - Farm Track/Access
  - Haul Road
  - Rest Area
  - Quiet Lane
  - Designated Walkers, Cyclists and Horse Riders Route
  - Maintenance Lay-by
  - Compound/Storage Area
  - Demolished buildings
  - Mine workings
  - Floodplain
  - ACNB
  - Retaining Wall
  - Major Overhead Services
  - Major Underground Services

### Construction works - New road alignment

Works will take place to realign the de-trunked A66 road to the new layout with some traffic management being required to ensure the works can be undertaken safely whilst allowing traffic movements. With some works taking place online, it may be necessary to impose one way traffic restriction to complete the road in a timely manner, which looks to minimise disruption to stakeholders.

### Traffic management for construction works

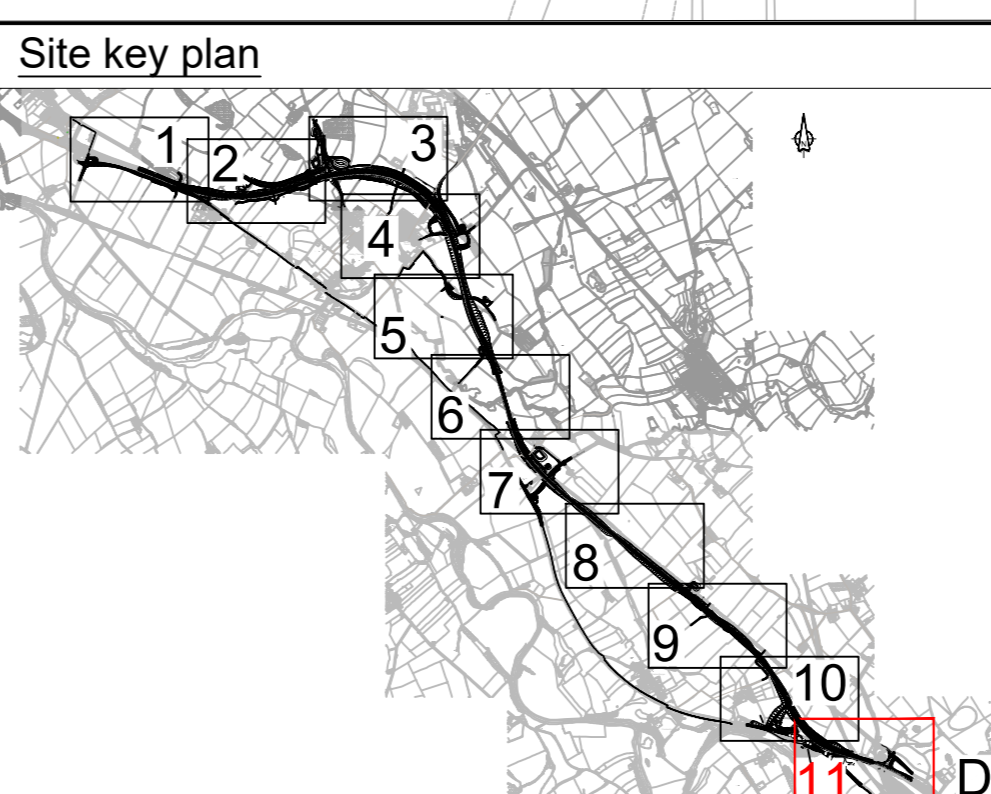
Traffic will be relocated back onto the existing section of the carriageway as it departs the new A66 carriageway.

### Legend

Roads open & in public use

Construction Work Area Phase 1

Construction Work Area Phase 2



Revision	Created	Checked	Reviewed	Approved	Authorised
dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy
P01	GCH	GCH	SHAL	KCRO	---
	08/09/21	08/09/21	08/09/21	08/09/21	---

Designer Arney OW Limited Chancery Exchange 10 Furnival Street London, EC4A 1AB	Client 3 Piccadilly Place Manchester M1 3BN
Project Name A66 Northern Trans-Pennine	Project Ref. No. Stage Scale: 1:1000 @ A0 --- PCF3 Dimensions: M
Drawing Title Temple Sowerby to Appleyby Blue Option General Arrangement Sheet 11 of 11 (B6542 Eastbound Junction)	Drawing Number HE565627 - AMY - HGN S0405 -DR-CH-000211 Location   Type   Role   Number
Suitability S1	Suitability Description Fit for Co-ordination
Revision P01	Revision

### RESIDUAL DESIGN HAZARDS

(The following information has been collected from Preconstruction Information and the Arney App D/JV CDM Hazard Management Process.)

Underground Services.  
Overhead Services.

### NOTES

- All levels are in metres above Ordnance Datum.
- All dimensions are in metres unless otherwise stated.
- This drawing is to be read in conjunction with all other relevant drawings.
- This drawing is to be read in conjunction with the accompanying Technical Note.
- Ordnance Survey data has been replaced by more detailed Sensat Survey (aerial mapping by drones) data where the existing OA66 ties in with the proposed RA66 and TSL Road.
- Design in progress - all facilities shown in this GA plan may be subject to change.

**Important - Some features shown on this drawing may be different from those shown in the Maps Books. The purpose of the drawings highlight elements of the construction works and where discrepancies with the Map Books exist, the Map Book versions should be regarded as showing the preliminary design.**