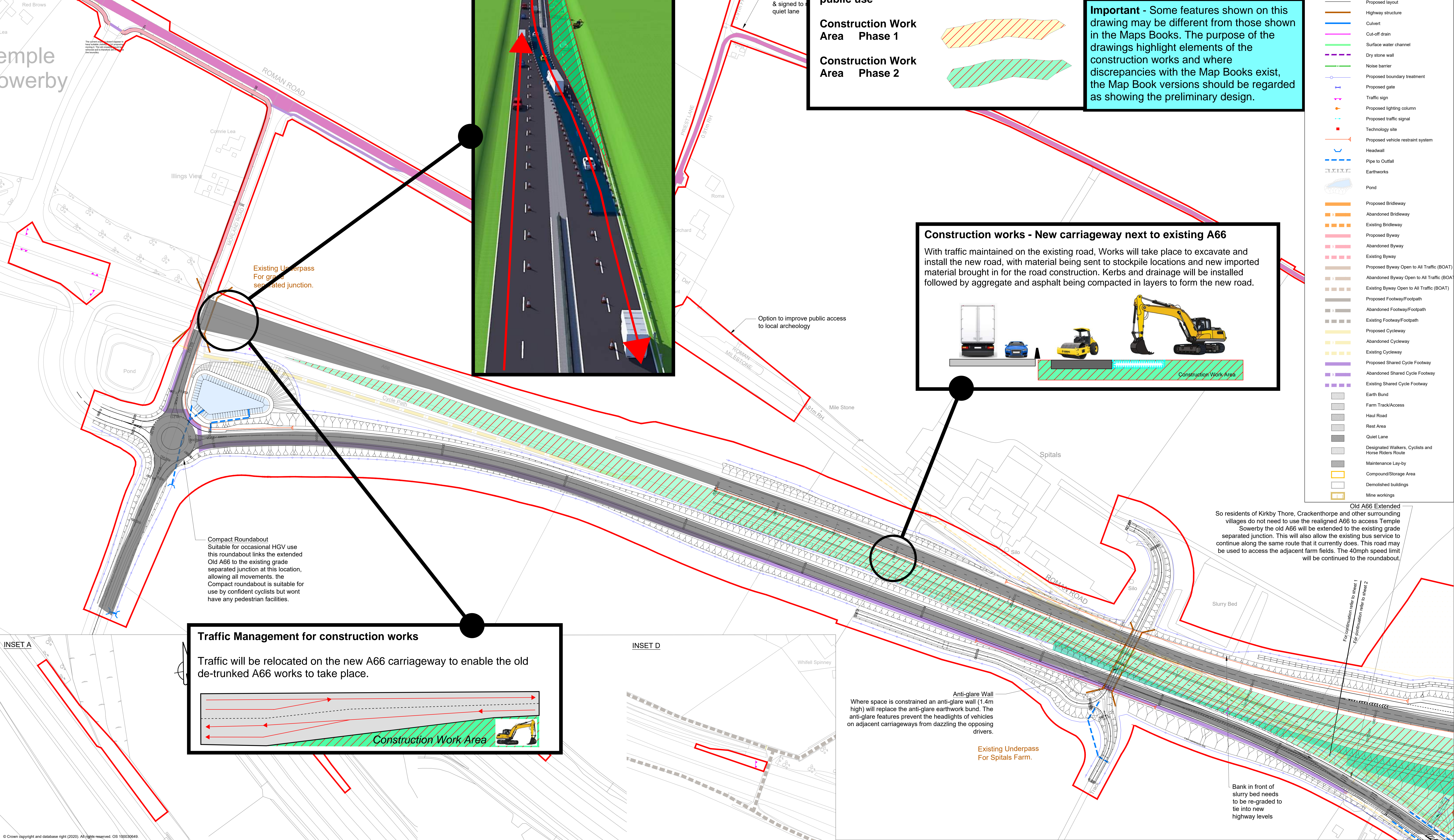


A66 - Key Proposed Construction Activities (Phase 2 Works)



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.

KEY

- Red line boundary
- Existing layout
- Existing watercourse
- Proposed layout
- Highway structure
- Culvert
- Out-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

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. Kerbs and drainage will be installed followed by aggregate and asphalt being compacted in layers to form the new road.

Traffic Management for construction works

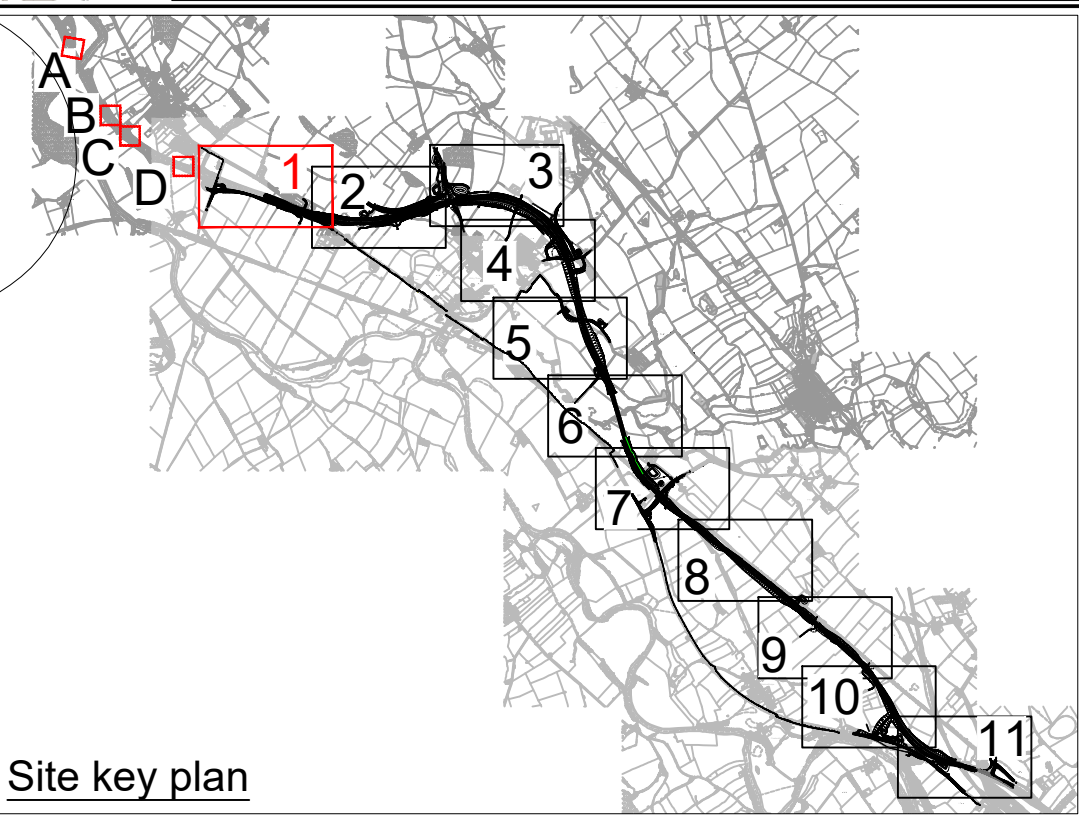
Traffic will be relocated on the new A66 carriageway to enable the old de-trunked A66 works to take place.

RESIDUAL DESIGN HAZARDS

(The following information has been collected from Preconstruction Information and the Arney Arup DUV CDM Hazard Management Process.)

- Underground services
- Overhead services

- NOTES**
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 - All dimensions are in metres unless otherwise stated.
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 - This drawing is to be read in conjunction with the accompanying Technical Note.
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 - Design in progress - all facilities shown in this GA plan may be subject to change.



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

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

A66 NTP Integrated Project Team

Project Name
A66 Northern Trans-Pennine

Drawing Title
Temple Sowerby to Appleby
Blue Option General Arrangement
Sheet 1 of 11
(Temple Sowerby Link)

Client
3 Piccadilly Place
Manchester
M1 3BN

highways england

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

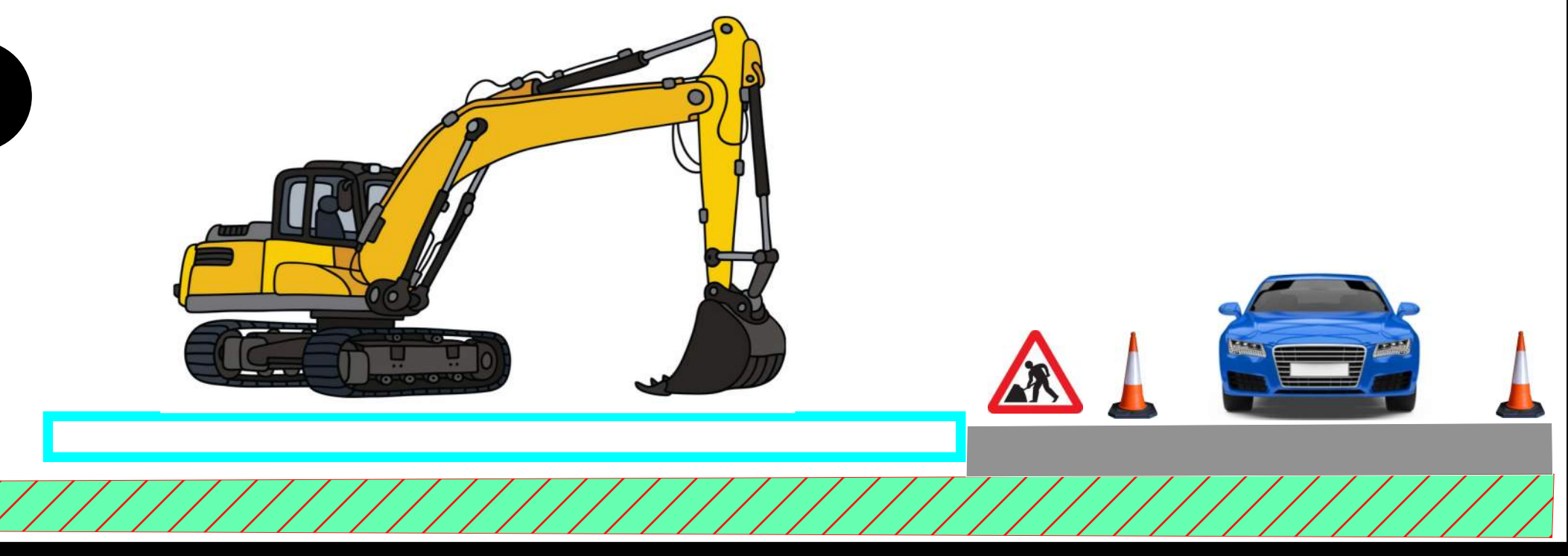
Drawing Number Project Originator Volume
HE565627 - AMY - HGN
S0405 -DR-CH- 000201
Location | Type | Role | Number

Suitability Suitability Description Revision
S1 Fit for Co-ordination P01

A66 - Key Proposed Construction Activities (Phase 2 Works)

Construction works - New road alignment

Works will take place to replace and upgrade the old de-trunked A66 following the main A66 traffic being diverted onto the new carriageway. 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.

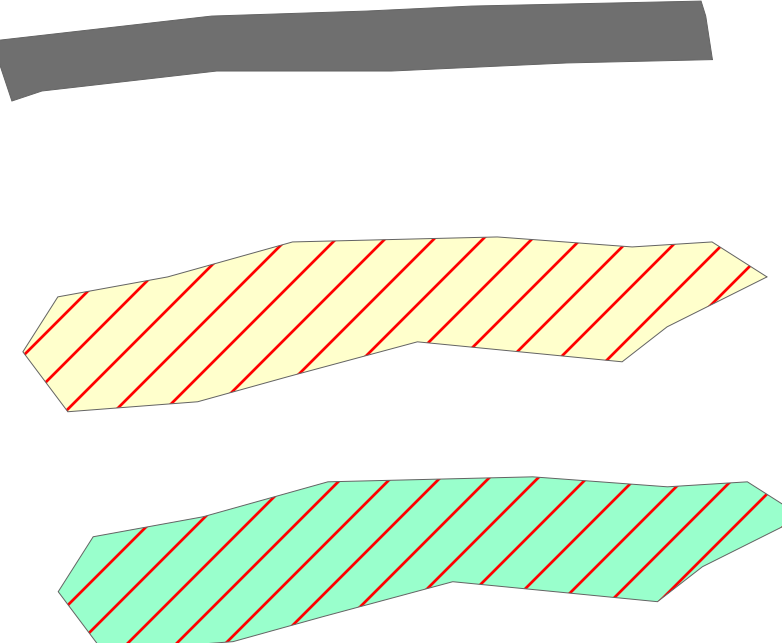


Legend

Roads open & in public use

Construction Work Area Phase 1

Construction Work Area Phase 2



Old A66 Extended
So residents of Kirkby Thore, Crackenthorpe and other surrounding villages do not need to use the realigned A66 to access Temple Sowerby the old A66 will be extended to the existing grade separated junction. This will also allow the existing bus service to continue along the same route that it currently does. This road may be used to access the adjacent farm fields. The 40mph speed limit will be continued to the roundabout.

Slurry Bed

POTENTIAL COMPOUND

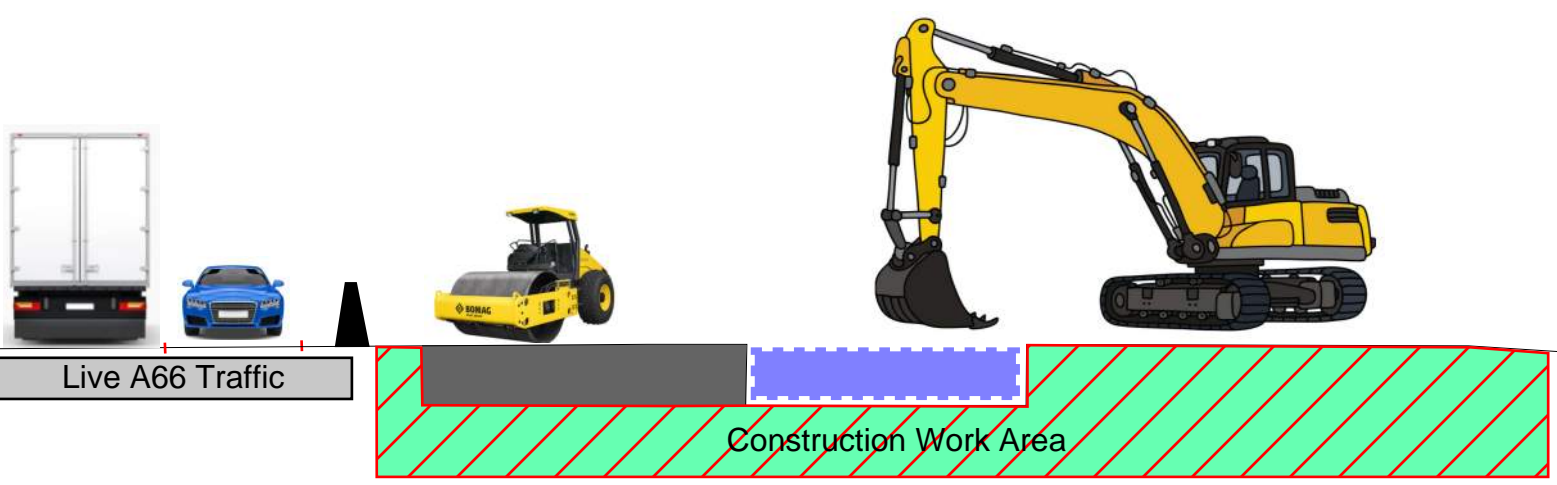
AREA FOR TOPSOIL STORAGE (3398 m²)

Bank in front of slurry bed needs to be re-graded to tie into new highway levels

Feasibility to retain right turn lanes, ghost islands and pedestrian crossing to be investigated

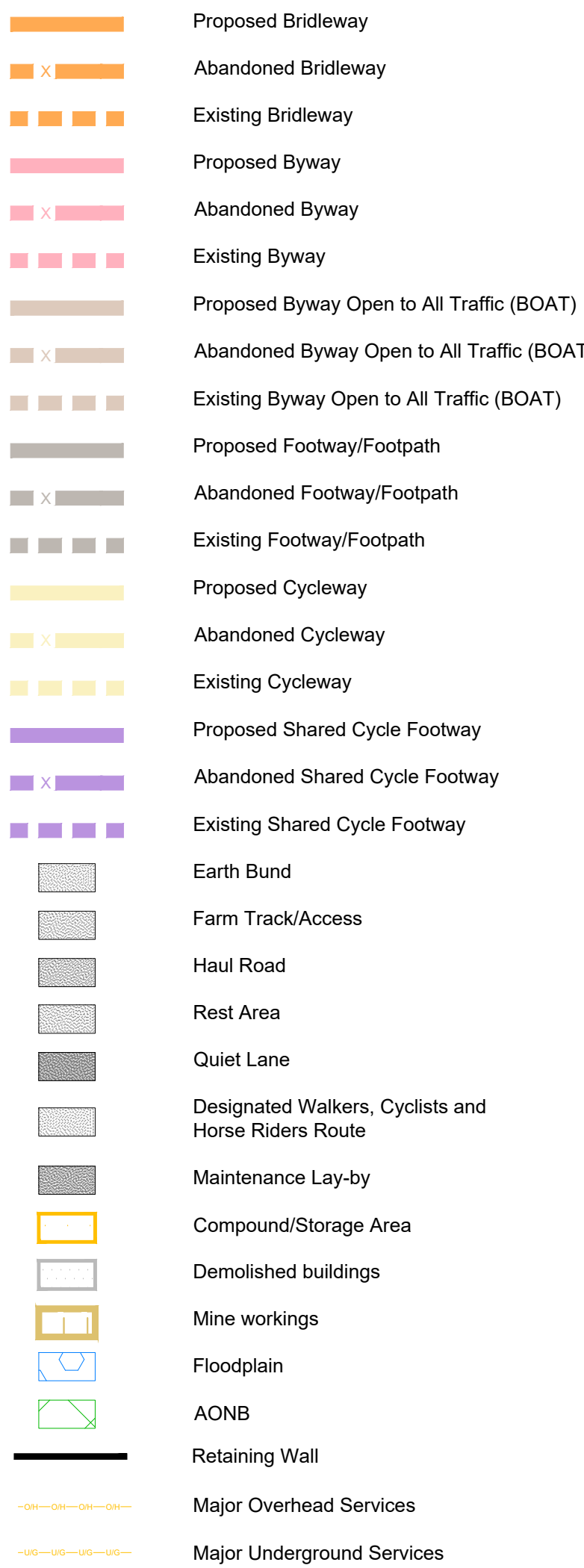
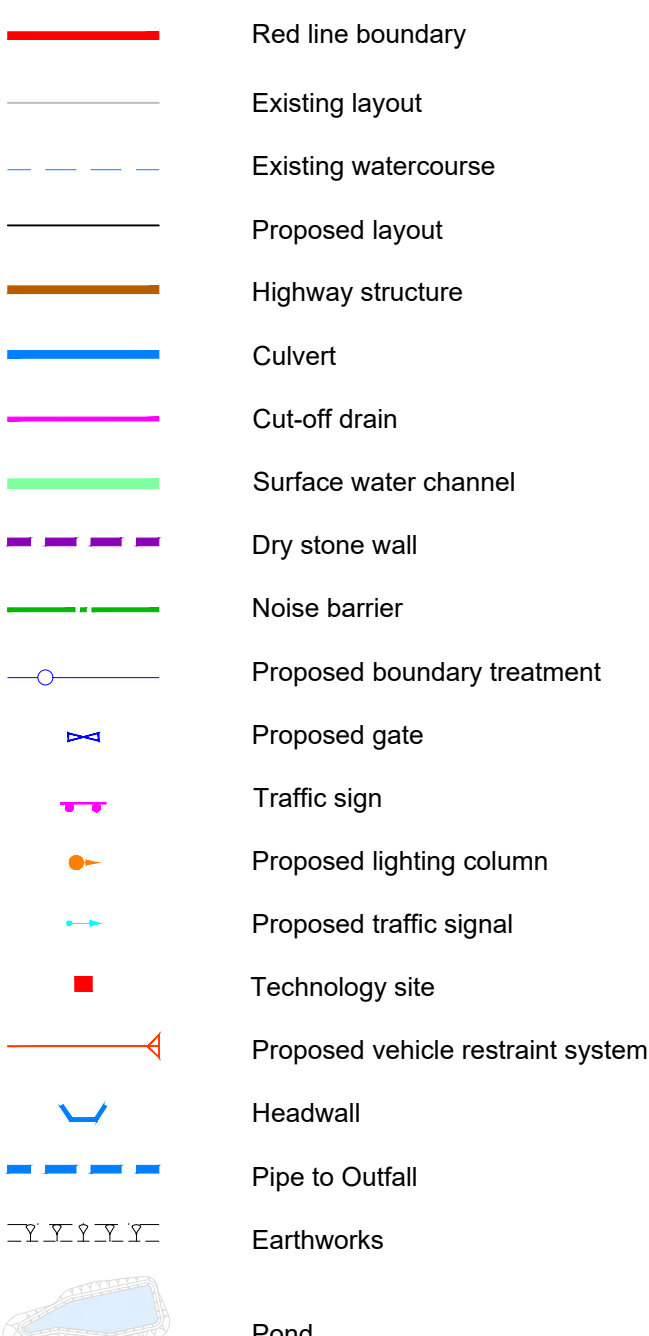
Construction works - New diversion route

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.



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.

KEY



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RESIDUAL DESIGN HAZARDS

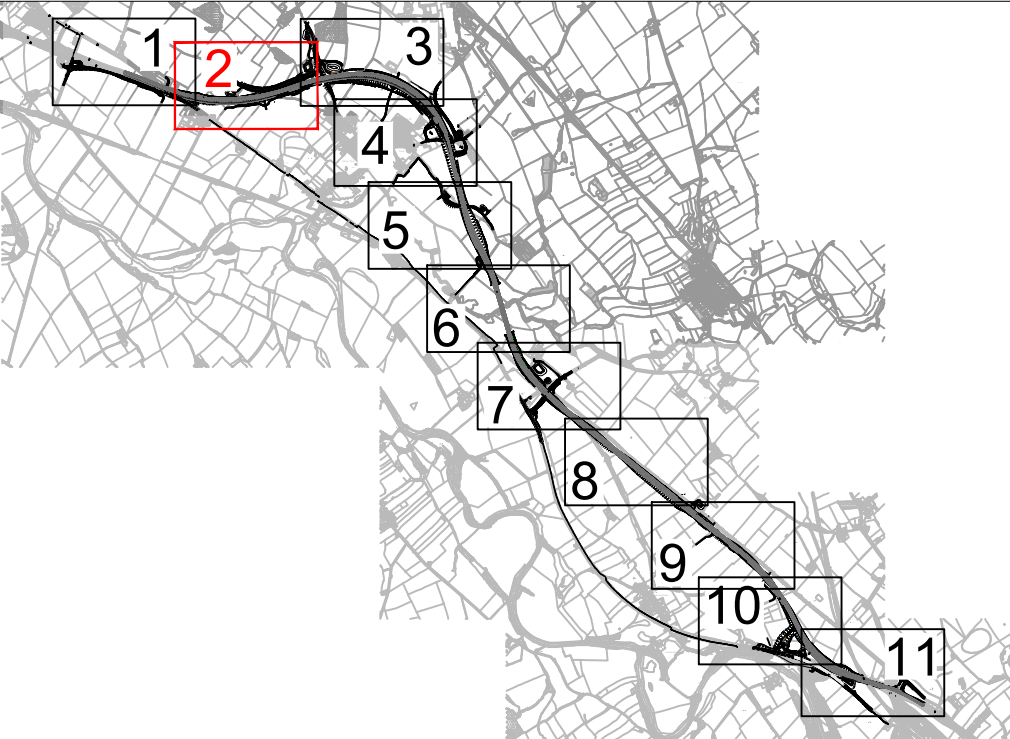
(The following information has been collected from Preconstruction Information and the Arney Anup DJV CDM Hazard Management Process.)

Underground services
Overhead Services

NOTES

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- All dimensions are in metres unless otherwise stated.
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- This drawing to be read in conjunction with the accompanying Technical Note.
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Site key plan



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

Designer
Amey 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

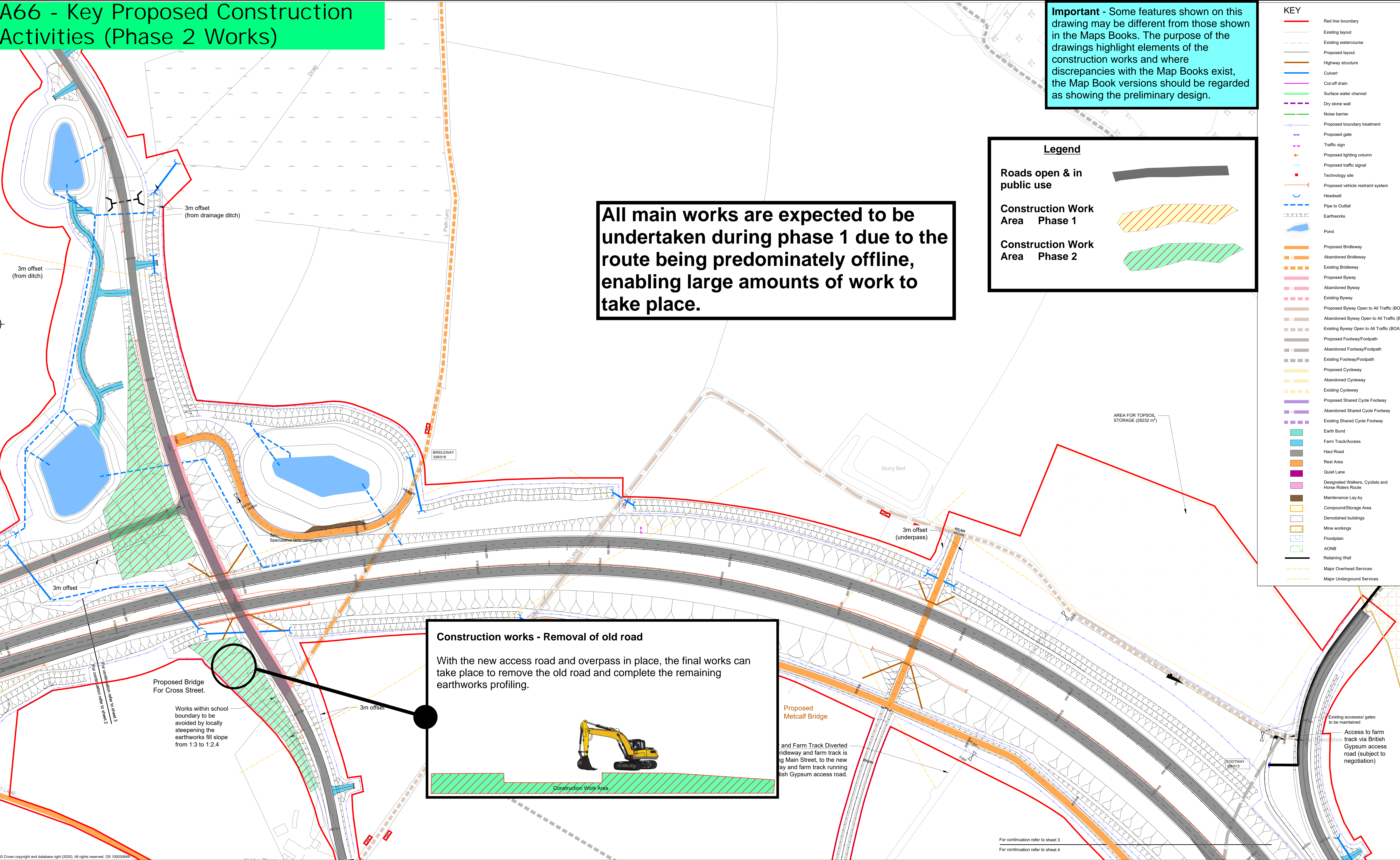
Drawing Title
Temple Sowerby to Appleby
Blue Option General Arrangement
Sheet 2 of 11
(Low Moor Caravan Park)

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

Drawing Number
Project | Originator | Volume
HE565627 - AMY - HGN
S0405 -DR-CH- 000202
Location | Type | Role | Number

Suitability Suitability Description Revision
S1 Fit for Co-ordination P01

A66 - Key Proposed Construction Activities (Phase 2 Works)



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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
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 - Proposed Byway
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 - Proposed Byway Open to All Traffic (BOAT)
 - Abandoned Byway Open to All Traffic (BOAT)
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 - 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

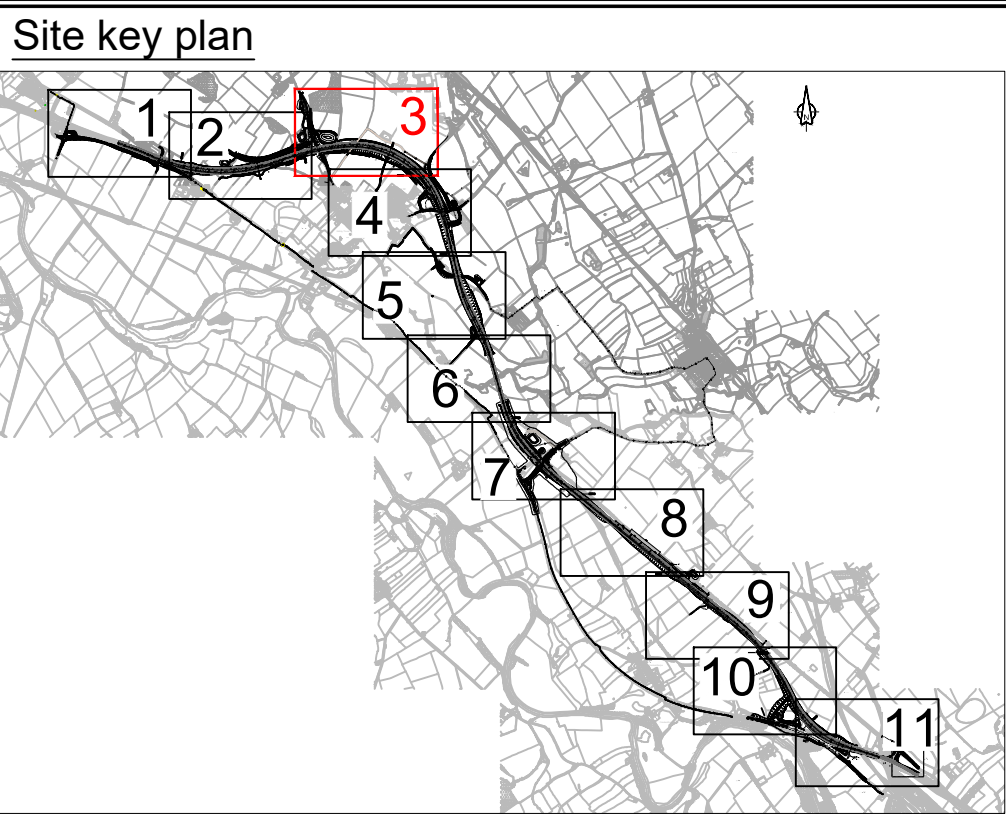
RESIDUAL DESIGN HAZARDS

(The following information has been collected from Preconstruction Information and the Arney Arup JUV CDM Hazard Management Process.)

Underground Services

Overhead Services

- NOTES**
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P01	GCHI	GCHI	SHAL	KCRO	---
	08/09/21	08/09/21	08/09/21	08/09/21	---
Revision details					
Revision	Created	Checked	Reviewed	Approved	Authorised
	ddmm/yy	ddmm/yy	ddmm/yy	ddmm/yy	ddmm/yy

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

A66 NTP Integrated Project Team

Project Name
A66 Northern Trans-Pennine

Drawing Title
Temple Sowerby to Appleby
Blue Option General Arrangement
Sheet 3 of 11
(Kirkby Thore School)

Client
3 Piccadilly Place
Manchester
M1 3BN

highways england

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

Drawing Number	Project	Originator	Volume
HE565627 - AMY - HGN	S0405	-DR-CH-	000203
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

AONB

Retaining Wall

Major Overhead Services

Major Underground Services

FLOODPLAIN KEY

Floodplain River Eden 1 in 2 year & Trout Beck 1 in 2 year

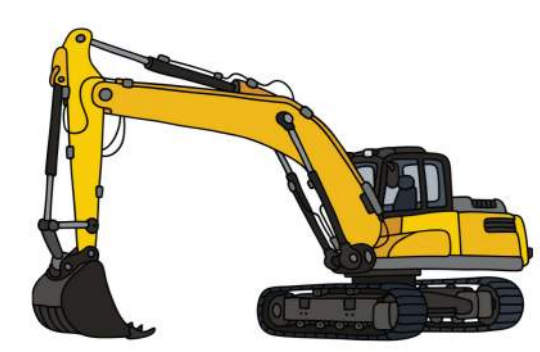
Floodplain River Eden 1 in 100 year storm + 94% CC Trout Beck 1 in 20 year storm + 94% CC

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

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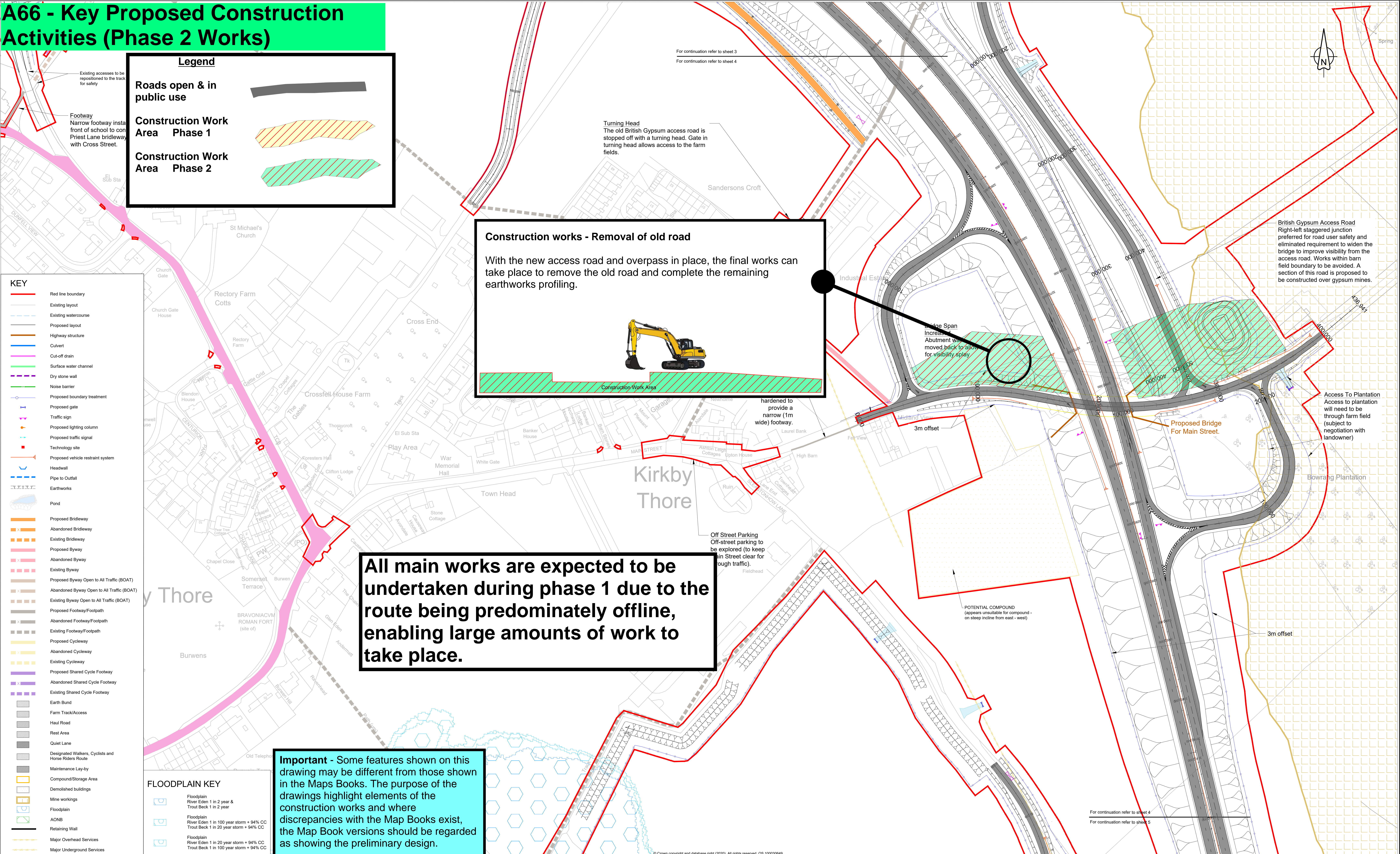
Construction works - Removal of old road

With the new access road and overpass in place, the final works can take place to remove the old road and complete the remaining earthworks profiling.



Construction Work Area

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.



RESIDUAL DESIGN HAZARDS

(The following information has been collected from Preconstruction Information and the Amey Arisp DUV CDM Hazard Management Process.)

Underground Services

Overhead Services

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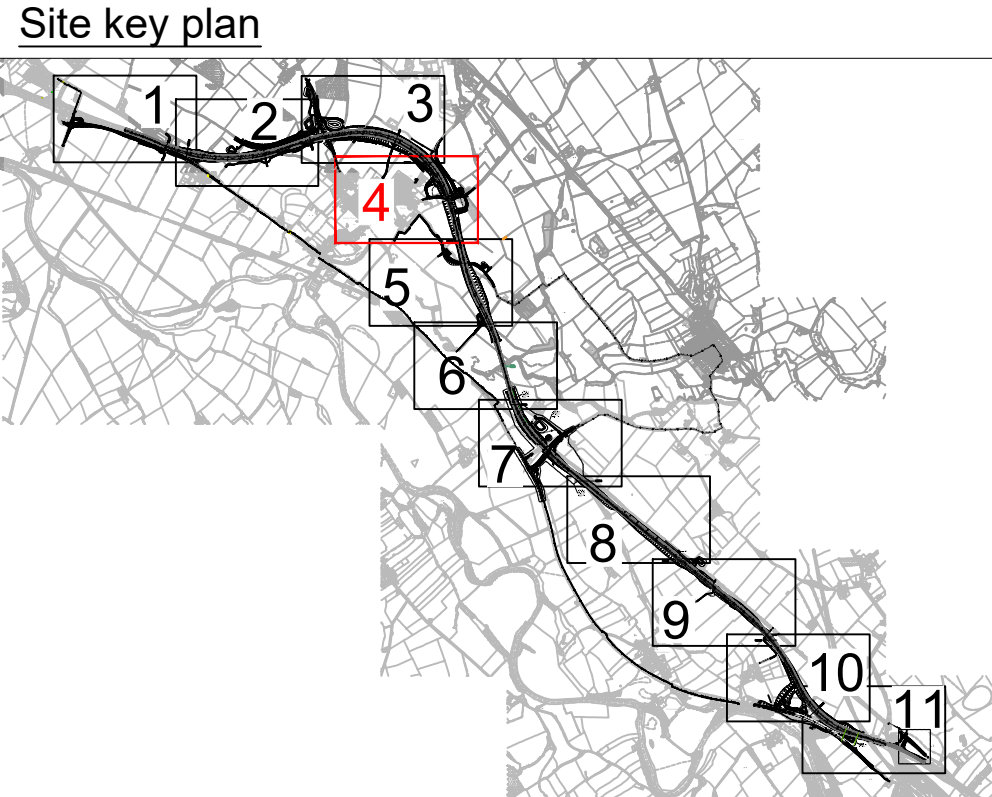
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P01	GCHI	GCHI	SHAL	KCRO	---
	08/09/21	08/09/21	08/09/21	08/09/21	---
Revision details					
Revision	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

Designer
Amey 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 @ A0
--- PCF3 Dimensions : M

Drawing Title
Temple Sowerby to Appleby
Blue Option General Arrangement
Sheet 4 of 11
(British Gypsum Junction)

Drawing Number
Project | Originator | Volume
HE565627 - AMY - HGN
S0405 -DR-CH- 000204
Location | Type | Role | Number

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.

Construction works - Removal of old road

With the new access road and overpass in place, the final works can take place to remove the old road and complete the remaining earthworks profiling.



Construction Work Area

AREA FOR TOPSOIL STORAGE

AREA FOR TOPSOIL STORAGE

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
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- Haul Road
- Rest Area
- Quiet Lane
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- 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

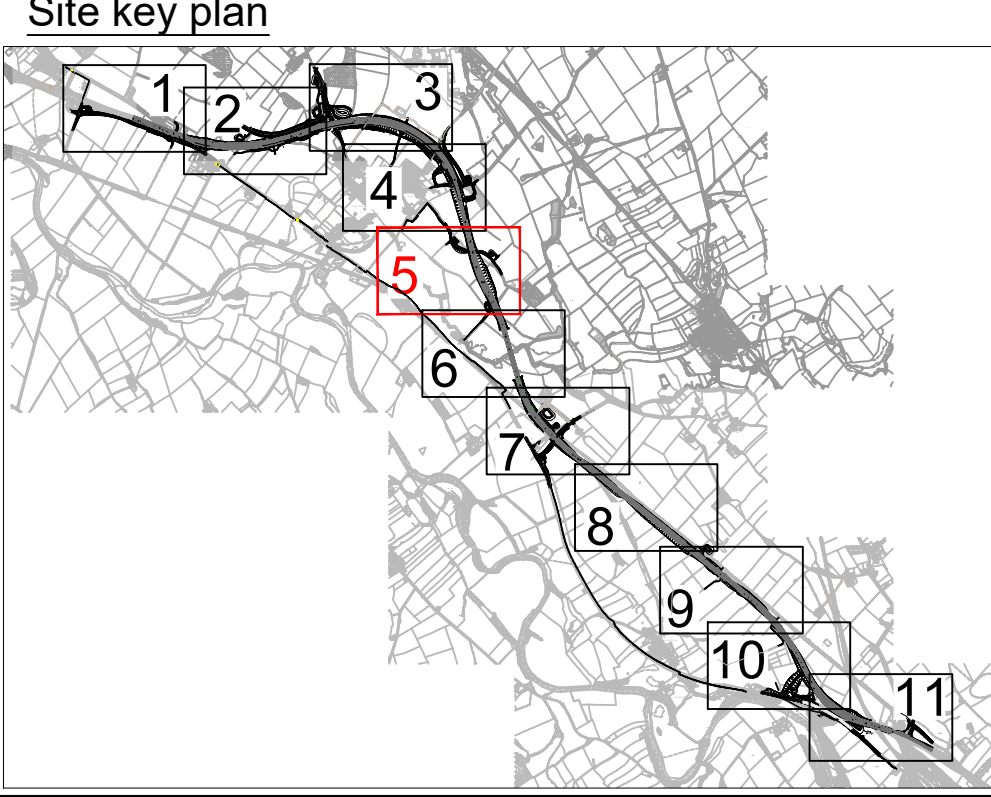
Construction Work Area Phase 2

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

- Underground Services
- Overhead Services

- NOTES**
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Revision	Revision details				
	Created	Checked	Reviewed	Approved	Authorised
P01	GCHI 08/09/21	GCHI 08/09/21	SHAL 08/09/21	KCRO 08/09/21	---
	admmvvy	admmvvy	admmvvy	admmvvy	admmvvy

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

Drawing Title
**Temple Sowerby to Appleby
Blue Option General Arrangement
Sheet 5 of 11
(Sleastonhow Lane)**

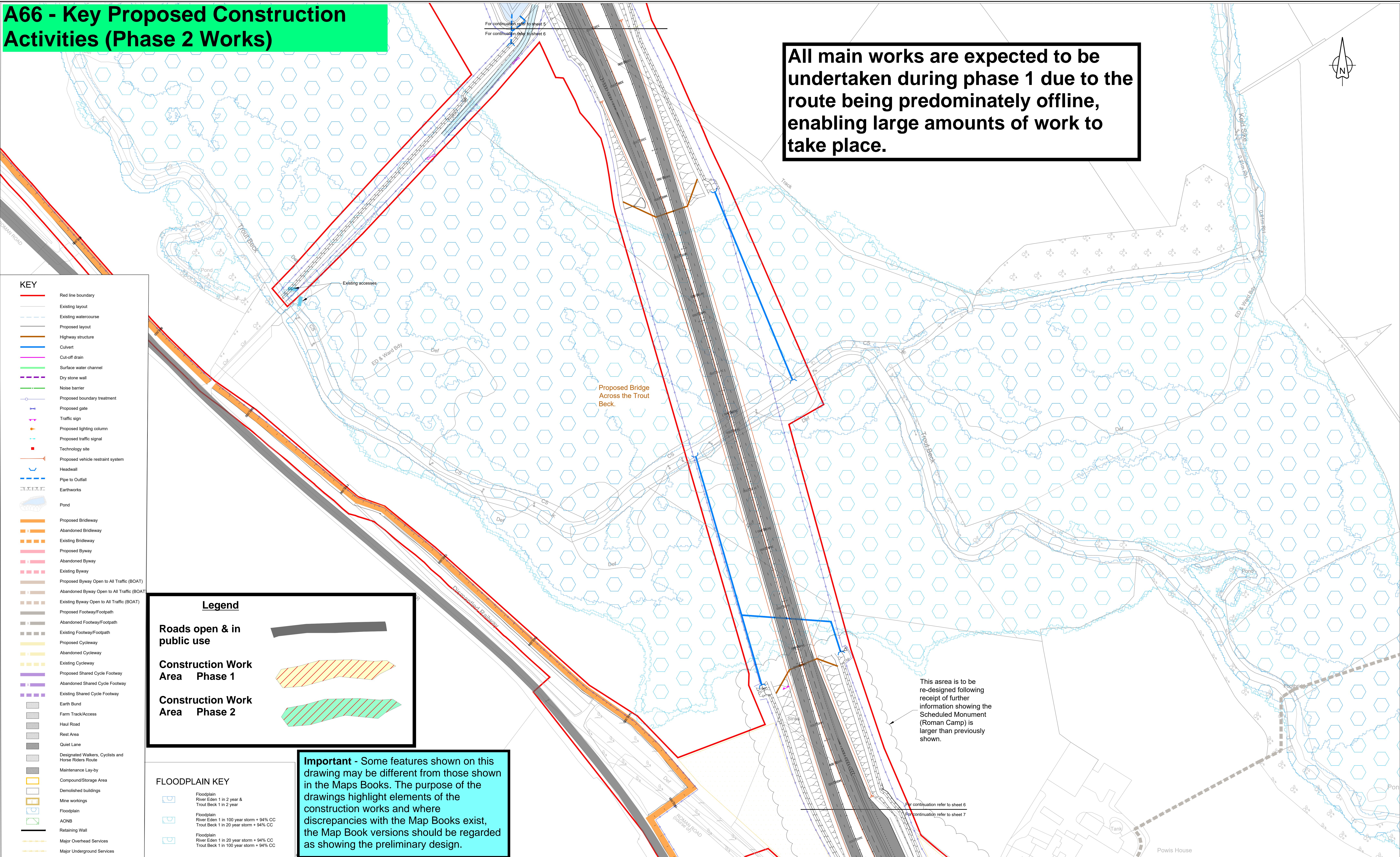
Project Ref. No. --- Stage **PCF3** Scale : 1:1000 @ A0 Dimensions : M

Drawing Number
Project | Originator | Volume
HE565627 - AMY - HGN
S0405 -DR-CH- 000205
Location | Type | Role | Number

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.



Legend




Roads open & in public use

Construction Work Area Phase 1

Construction Work Area Phase 2

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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

NOTES

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3. This drawing is to be read in conjunction with all other relevant drawings.
4. This drawing is to be read in conjunction with the accompanying Technical Note.
5. 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.
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RESIDUAL DESIGN HAZARDS



(The following information has been collected from Preconstruction Information and the Arney Arup DJV CDM Hazard Management Process.)


Underground Services
Overhead Services.

Site key plan

The key plan shows the study area (6) in red, situated within the urban area of the city of Cologne, Germany. The study area is located in the southern part of the city, near the Rhine river. The surrounding urban area is shown in grey, and the Rhine river is shown in blue. The study area is bounded by the Rhine river to the west and south, and by the city center to the north and east.

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

Designer Arney OW Limited Chancery Exchange 10 Furnival Street London, EC4A 1AB		
Project Name A66 Northern Trans-Pennine		
Drawing Title Temple Sowerby to Appleby Blue Option General Arrangement Sheet 6 of 11 (Trout Beck Crossing)		

Client 3 Piccadilly Place Manchester M1 3BN					
Project Ref. No.		Stage		Scale : 1:1000 @ A0	
---		PCF3		Dimensions : M	
Drawing Number Project Originator Volume HE565627 - AMY - HGN S0405 -DR-CH- 000206 Location Type Role Number					
Stability		Sustainability Description			Revision
S1		Fit for Co-ordination			P01