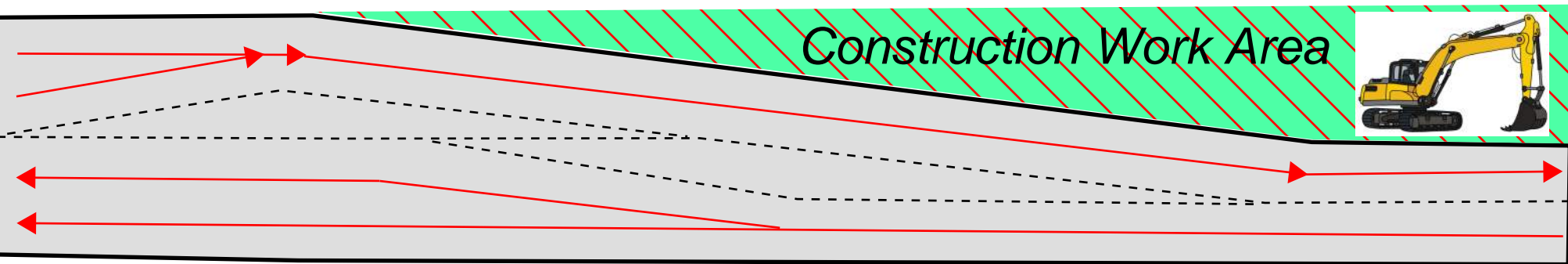


A66 - Key Proposed Construction Activities (Phase 2 Works)

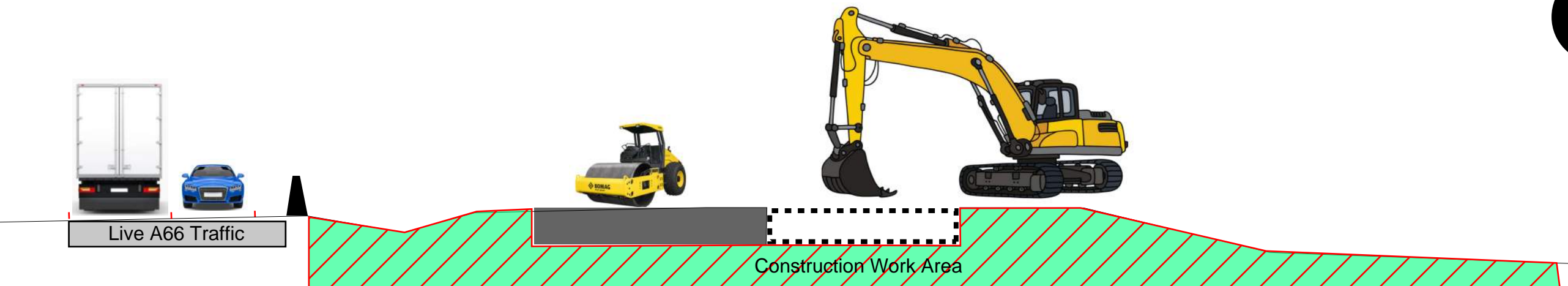
Traffic management for construction works

Traffic will be relocated and diverted to enable traffic to remain flowing whilst allowing construction works to be undertaken safely.



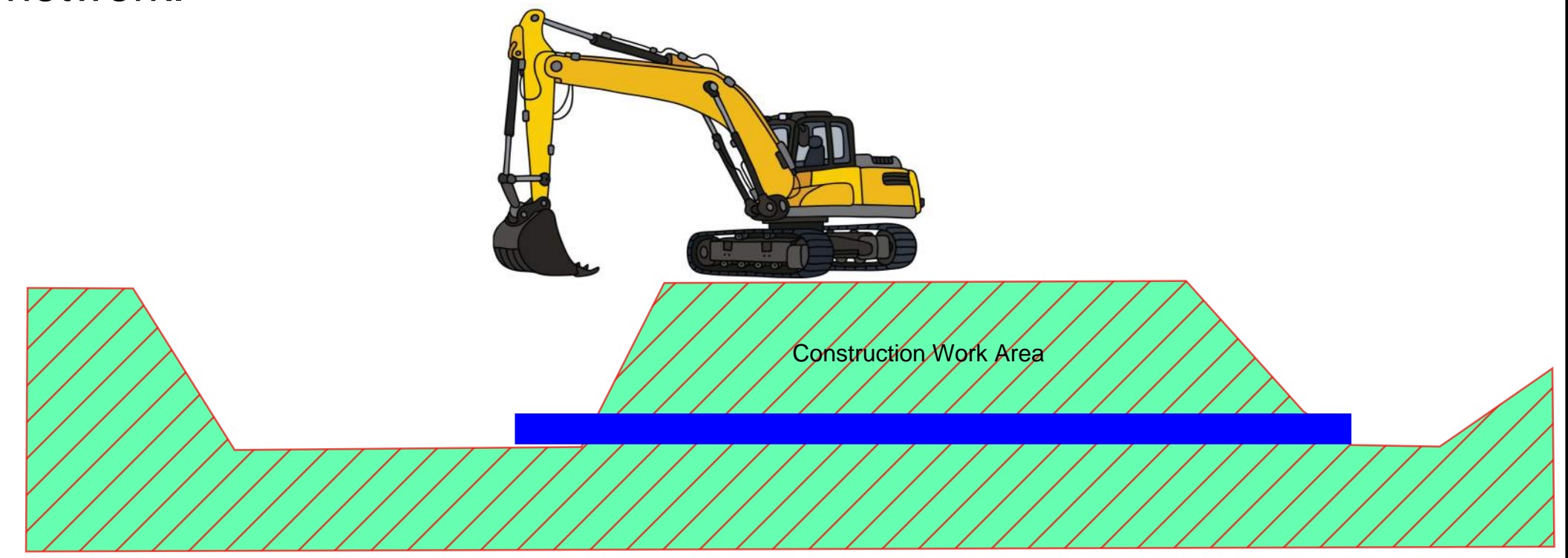
Construction works - New A66 Road construction

With the diversion route established and live traffic relocated, works can commence on widening and upgrading the existing road to form 2 dual carriageways. Excavated material will be transported to stockpile locations. New drainage and kerbs will be installed, followed by granular material and asphalt compacted in layers to form the new road.



Construction works - Drainage culverts

Drainage works will be undertaken in full with the live A66 traffic diverted onto its new route. The works will be undertaken efficiently with reduced temporary works support required thanks to increased working room. Once installed, the new carriageway can be installed above. The drainage is required to mitigate flooding and overloading the current drainage network.



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

NOTES

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- The vehicle restraint system layout is a high level assessment and requires a detailed risk assessment (RRRAP) of the hazards present in the design.
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- Traffic sign faces and locations are indicative only. Traffic signs will be developed at detailed design.
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- Public Right of Way (footpaths and bridleways) diversions are indicative only and subject to agreement with local authority and landowners.

KEY

- Red line boundary
- Existing layout
- Proposed layout
- Highway structure
- Existing watercourse
- Culvert
- Cut-off drain
- Headwall
- Pipe to Outfall
- Pond
- Proposed boundary treatment
- Proposed gate
- Traffic sign
- Proposed vehicle restraint system
- Earthworks
- Proposed Bridleway
- Abandoned Bridleway
- Existing Bridleway
- Proposed Footway/Footpath
- Abandoned Footway/Footpath
- Existing Footway/Footpath
- Compound/Storage Area
- Farm Track/Access

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P01	JMAR	JMAR	EKEL	TEGG	---
	19/02/21	19/02/21	19/02/21	19/02/21	---
Revision	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

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highways
england

Project Name
A66 Northern Trans-Pennine

Drawing Title
Layton
General Arrangement
Sheet 1 of 7

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

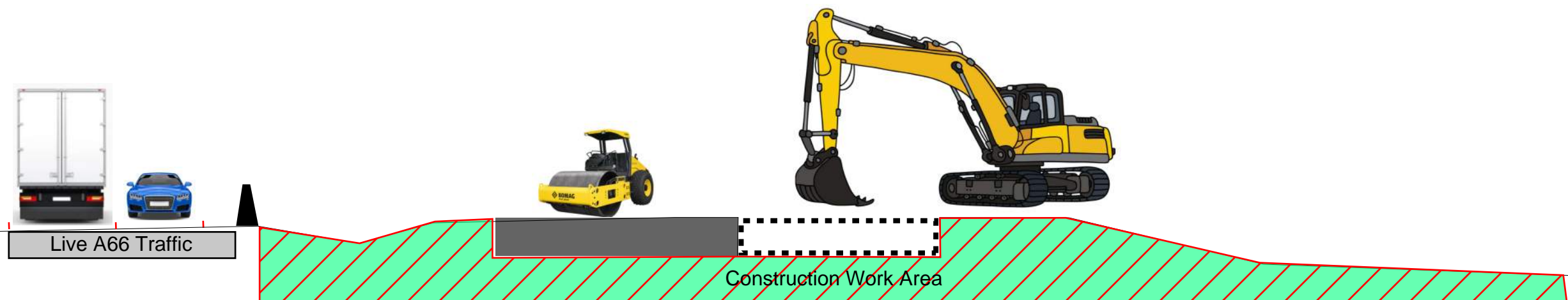
Drawing Number
Project | Originator | Volume |
HE565627 - AMY - GEN -
S09 -DR-CH- 700001
Location | Type | Role | Number

Suitability Suitability Description Revision
S1 Fit for Co-ordination P01

A66 - Key Proposed Construction Activities (Phase 2 Works)

Construction works - New A66 Road construction

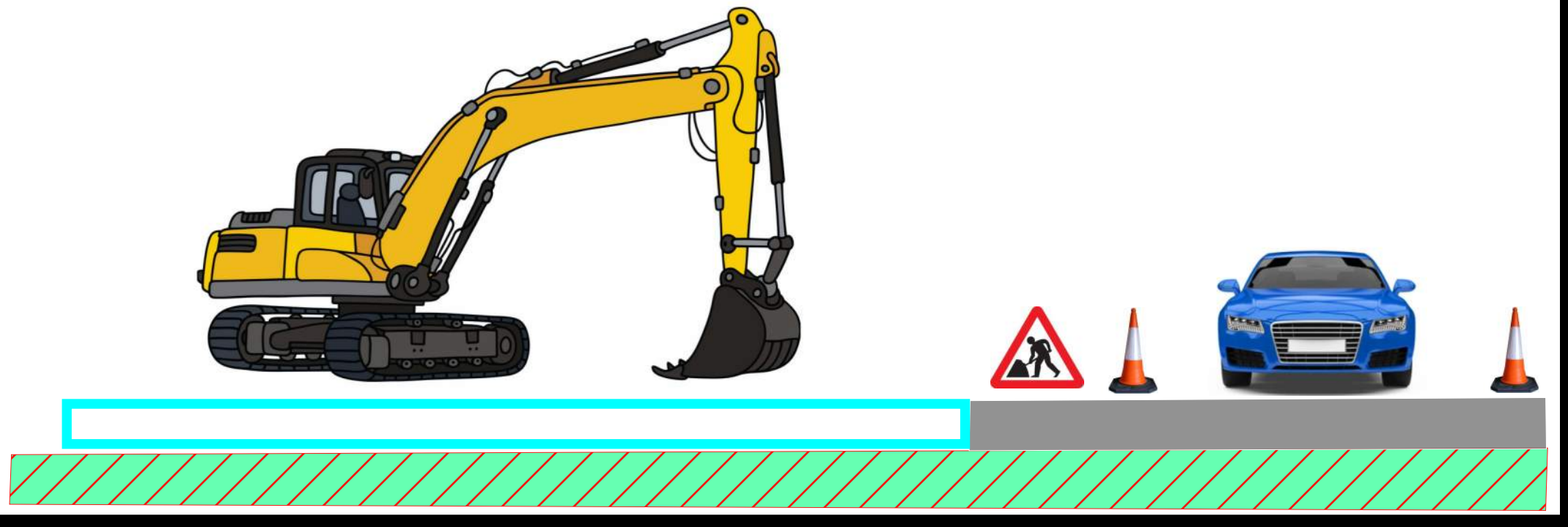
With the diversion route established and live traffic relocated, works can commence on widening and upgrading the existing road to form 2 dual carriageways. Excavated material will be transported to stockpile locations. New drainage and kerbs will be installed, followed by granular material and asphalt compacted in layers to form the new road.



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.

Construction works - New underpass connection

Works will take place to connect the new underpass road with the de-trunked A66 with some traffic management being required to ensure the works can be undertaken safely whilst allowing traffic movements. It may be necessary to impose one way traffic restriction during off peak hours 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

NOTES

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KEY

- Red line boundary
- Existing layout
- Proposed layout
- Highway structure
- Existing watercourse
- Culvert
- Cut-off drain
- Headwall
- Pipe to Outfall
- Pond
- Proposed boundary treatment
- Proposed gate
- Traffic sign
- Proposed vehicle restraint system
- Earthworks
- Proposed Bridleway
- Abandoned Bridleway
- Existing Bridleway
- Proposed Footway/Footpath
- Abandoned Footway/Footpath
- Existing Footway/Footpath
- Compound/Storage Area
- Farm Track/Access

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P01	JMAR 19/02/21	JMAR 19/02/21	EKEL 19/02/21	TEGG 19/02/21	---
Revision	Created dd/mm/yy	Checked dd/mm/yy	Reviewed dd/mm/yy	Approved dd/mm/yy	Authorised dd/mm/yy

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Project Name
A66 Northern Trans-Pennine

Drawing Title
Layton
General Arrangement
Sheet 2 of 7

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

Drawing Number
Project HE565627 - AMY - GEN - S09 -DR-CH- 700002
Location | Type | Role | Number

Suitability S1 Suitability Description Fit for Co-ordination Revision P01

A66 - Key Proposed Construction Activities (Phase 2 Works)

Legend

Roads open & in public use

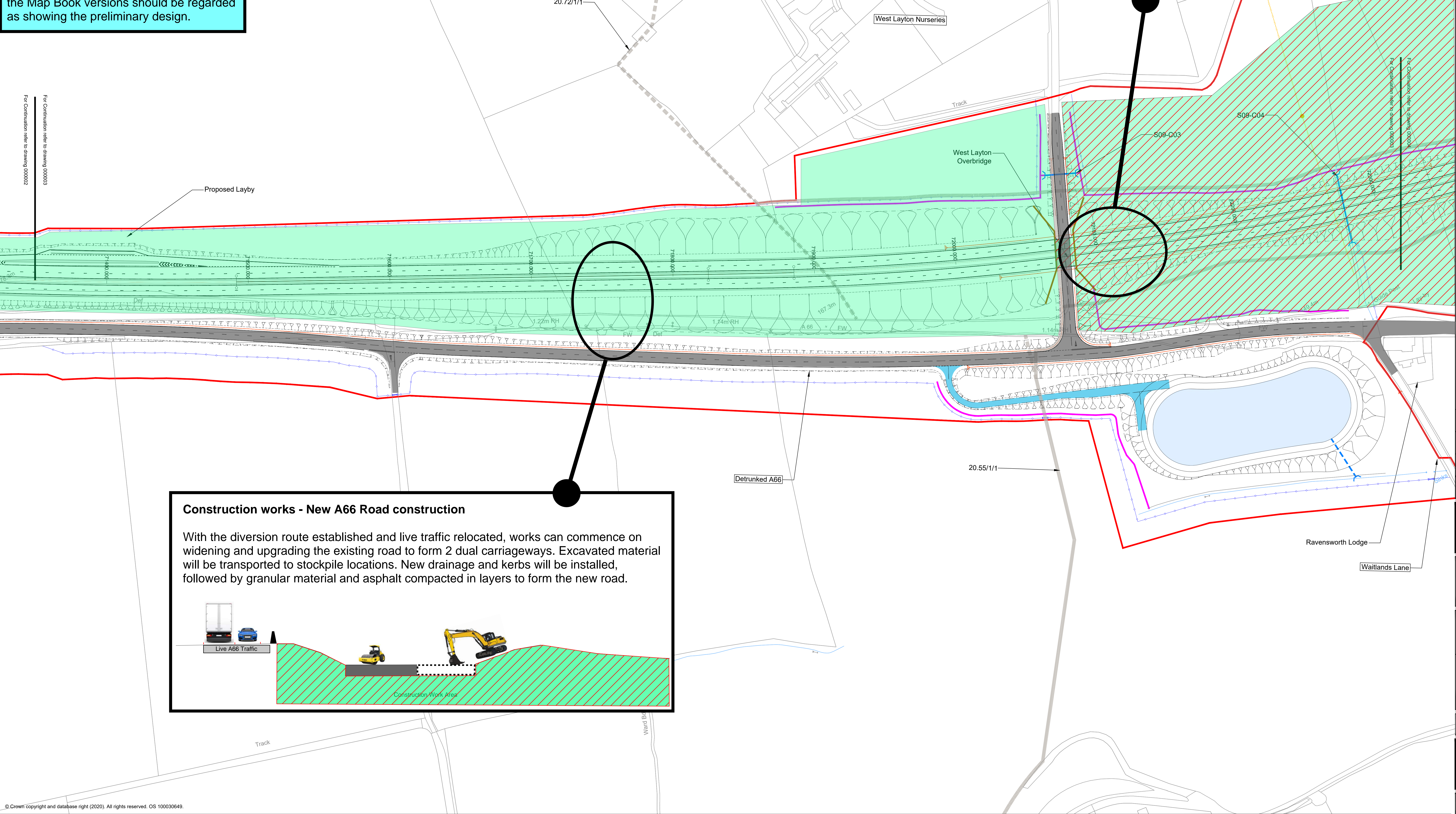
Construction Work Area Phase 1

Construction Work Area Phase 2

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.

Construction works - A66 Main line works

With the new overbridge in place and operational, the temporary diversion route can be removed to enable the new A66 dual carriageway to be constructed. This will involve a significant excavation of material to form the cutting prior to the new road being installed.



NOTES

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KEY

Red line boundary

Existing layout

Proposed layout

Highway structure

Existing watercourse

Culvert

Cut-off drain

Headwall

Pipe to Outfall

Pond

Proposed boundary treatment

Proposed gate

Traffic sign

Proposed vehicle restraint system

Earthworks

Proposed Bridleway

Abandoned Bridleway

Existing Bridleway

Proposed Footway/Footpath

Abandoned Footway/Footpath

Existing Footway/Footpath

Compound/Storage Area

Farm Track/Access

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P01	JMAR 19/02/21	JMAR 19/02/21	EKEL 19/02/21	TEGG 19/02/21	---
Revision	Created dd/mm/yy	Checked dd/mm/yy	Reviewed dd/mm/yy	Approved dd/mm/yy	Authorised dd/mm/yy

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highways england

Project Name

A66 Northern Trans-Pennine

Drawing Title

Layton
General Arrangement
Sheet 1 of 7

Project Ref. No.	Stage	Scale : 1:1000	@ A0
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Drawing Number

Project | Originator | Volume |

HE565627 - AMY - GEN -

S09 -DR-CH- 700001

Location | Type | Role | Number

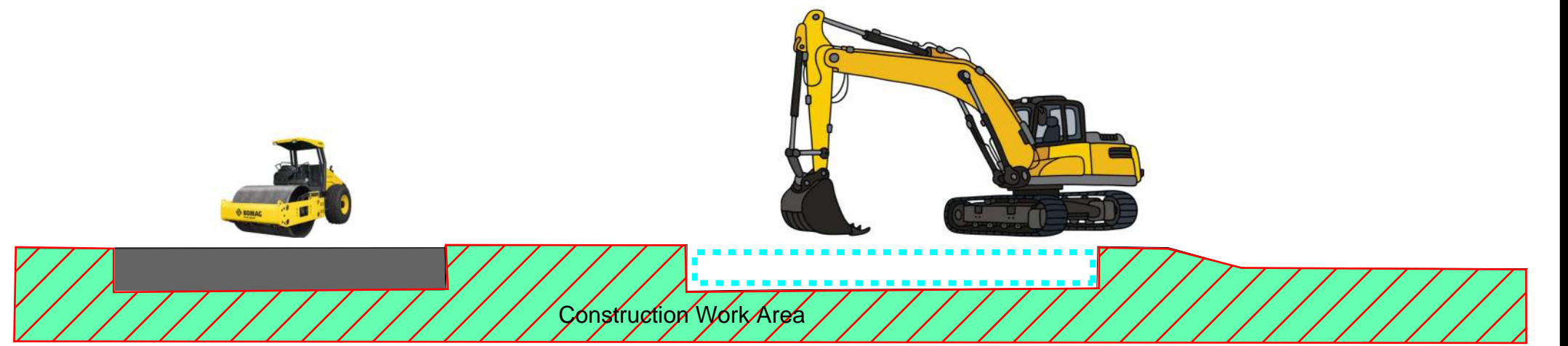
Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P01

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A66 - Key Proposed Construction Activities (Phase 2 Works)

Construction works - New carriageway construction

With traffic maintained on the existing A66 / de-trunked diversion route, construction works can continue to take place on the new carriageway. Material will be excavated from the works location and moved to stockpile locations on the project. Material will be moved via eight wheel wagons or dump trucks with suitable routes established to minimise disruption to the A66. New drainage and kerbs will be installed, followed by granular material and asphalt compacted in layers to form the new road.



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

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The vehicle restraint system layout is a high level assessment and requires a detailed risk assessment (RRRAP) of the hazards present in the design.
Road markings and structures are indicative only and require further design development.
Traffic sign faces and locations are indicative only. Traffic signs will be developed at detailed design.
Fencing and gate locations subject to agreement with landowners.
Public Right of Way (footpaths and bridleways) diversions are indicative only and subject to agreement with local authority and landowners.

KEY

- Red line boundary
- Existing layout
- Proposed layout
- Highway structure
- Existing watercourse
- Culvert
- Cut-off drain
- Headwall
- Pipe to Outfall
- Pond
- Proposed boundary treatment
- Proposed gate
- Traffic sign
- Proposed vehicle restraint system
- Earthworks
- Proposed Bridleway
- Abandoned Bridleway
- Existing Bridleway
- Proposed Footway/Footpath
- Abandoned Footway/Footpath
- Existing Footway/Footpath
- Compound/Storage Area
- Farm Track/Access

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P01	JMAR 19/02/21	JMAR 19/02/21	EKEL 19/02/21	TEGG 19/02/21	---
Revision	Created dd/mm/yy	Checked dd/mm/yy	Reviewed dd/mm/yy	Approved dd/mm/yy	Authorised dd/mm/yy

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Project Name
A66 Northern Trans-Pennine

Drawing Title
Layton
General Arrangement
Sheet 4 of 7

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

Drawing Number	Project	Originator	Volume
HE565627 - AMY - GEN - S09	-DR-CH- 700004		
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P01

A66 NTP Integrated Project Team

highways england

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A66 - Key Proposed Construction Activities (Phase 2 Works)

Legend

Roads open & in public use

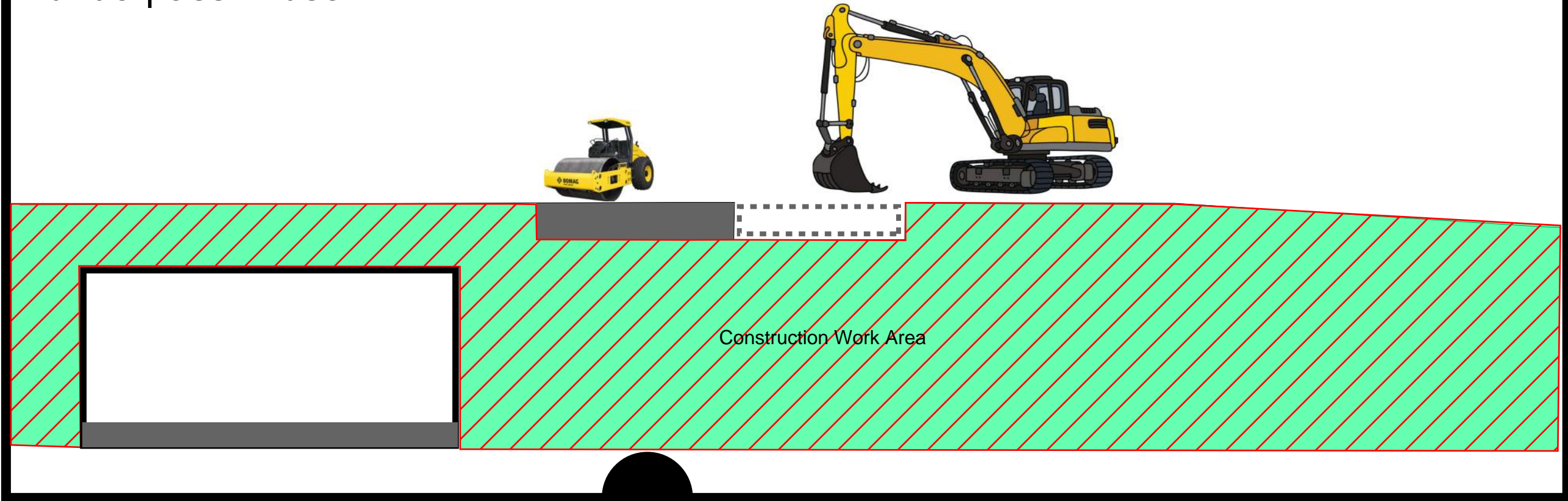
Construction Work Area Phase 1

Construction Work Area Phase 2

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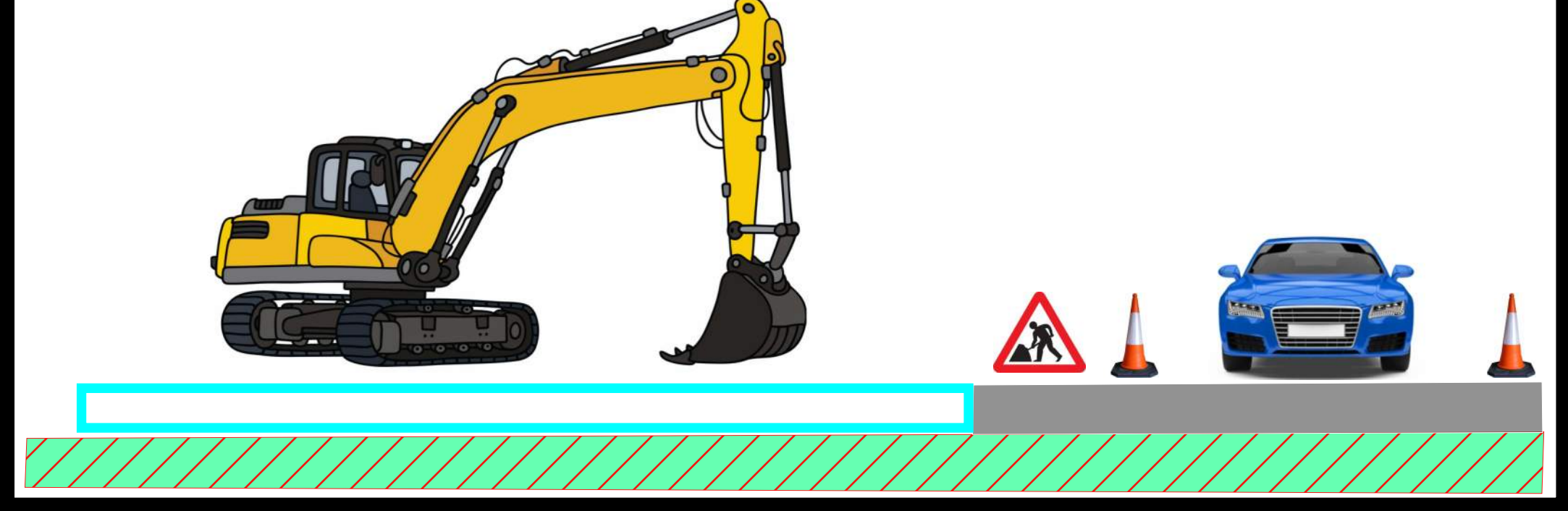
Construction works - New diversion route

With the new underpass constructed the remaining infrastructure works can take place on the new link roads and main A66 dual carriageway where the old diversion route was located. The works will take place away from live traffic with the new underpass in use.



Construction works - New underpass connection

Works will take place to connect the new link road with the de-trunked A66 with some traffic management being required to ensure the works can be undertaken safely whilst allowing traffic movements. It may be necessary to impose one way traffic restriction during off peak hours to complete the road in a timely manner, which looks to minimise disruption to stakeholders.



- NOTES**
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- KEY**
- Red line boundary
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 - Farm Track/Access

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P01	JMAR 19/02/21	JMAR 19/02/21	EKEL 19/02/21	TEGG 19/02/21	---
Revision	Created dd/mm/yy	Checked dd/mm/yy	Reviewed dd/mm/yy	Approved dd/mm/yy	Authorised dd/mm/yy

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Project Name
A66 Northern Trans-Pennine

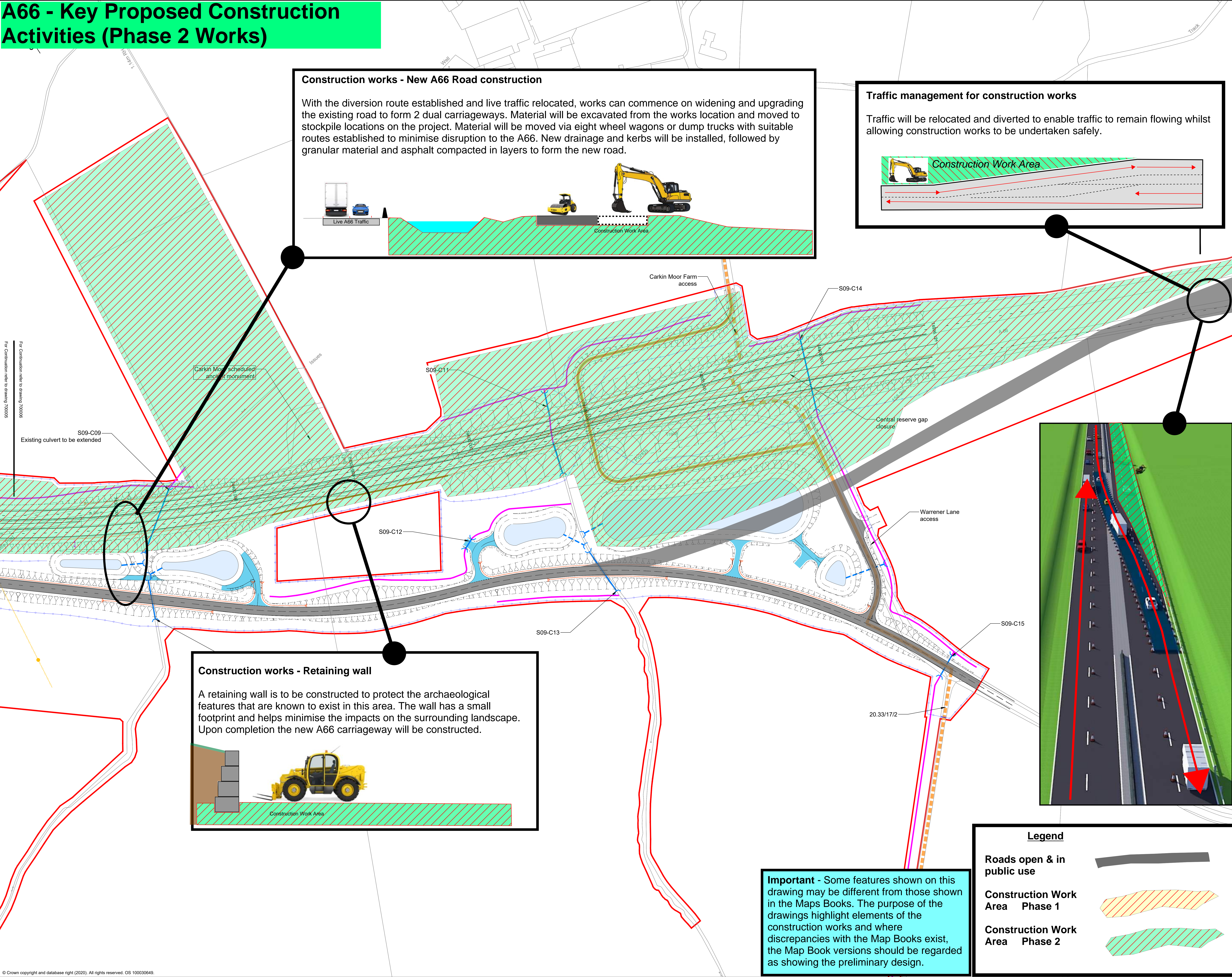
Drawing Title
Layton
General Arrangement
Sheet 5 of 7

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

Drawing Number
Project | Originator | Volume |
HE565627 - AMY - GEN -
S09 -DR-CH- 700005
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 A66 Road construction

With the diversion route established and live traffic relocated, works can commence on widening and upgrading the existing road to form 2 dual carriageways. Material will be excavated from the works location and moved to stockpile locations on the project. Material will be moved via eight wheel wagons or dump trucks with suitable routes established to minimise disruption to the A66. New drainage and kerbs will be installed, followed by granular material and asphalt compacted in layers to form the new road.

The diagram shows a cross-section of the road construction. On the left, 'Live A66 Traffic' is shown on a road. To the right, a 'Construction Work Area' is shown with an excavator and a dump truck. Material is being moved from the work area to a stockpile.

Traffic management for construction works

Traffic will be relocated and diverted to enable traffic to remain flowing whilst allowing construction works to be undertaken safely.

The diagram shows a cross-section of the road with a 'Construction Work Area' in the center. Traffic is shown being diverted around the work area, with arrows indicating the flow of traffic. A 'Proposed vehicle restraint system' is shown at the entrance to the work area.

Construction works - Retaining wall

A retaining wall is to be constructed to protect the archaeological features that are known to exist in this area. The wall has a small footprint and helps minimise the impacts on the surrounding landscape. Upon completion the new A66 carriageway will be constructed.

The diagram shows a cross-section of the retaining wall construction. A yellow tractor is shown working on the wall. The wall is shown as a series of steps, with a 'Construction Work Area' indicated by green hatching.

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

The legend shows symbols for roads open and in public use (a solid grey line), construction work area phase 1 (a yellow hatched area), and construction work area phase 2 (a green hatched area).

NOTES

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KEY

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- Existing layout
- Proposed layout
- Highway structure
- Existing watercourse
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Revision	Created	Checked	Reviewed	Approved	Authorised
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P01	JMAR 19/02/21	JMAR 19/02/21	EKEL 19/02/21	TEGG 19/02/21	---

Revision details

Revision	Created	Checked	Reviewed	Approved	Authorised
---	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

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Project Name
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Drawing Title
Layton
General Arrangement
Sheet 6 of 7

Project Ref. No. | Stage | Scale : 1:1000 | @ A0
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Drawing Number
Project | Originator | Volume |
HE565627 - AMY - GEN -
S09 -DR-CH- 700006
Location | Type | Role | Number

Suitability | Suitability Description | Revision
S1 | Fit for Co-ordination | P01