

A66 - Key Proposed Construction Activities (Phase 2 Works)

- NOTES**
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 - All dimensions are in metres unless otherwise stated.
 - This drawing is to be read in conjunction with all other relevant drawings and the accompanying technical note HE565627-AMY-HCN-S09-TN-CH-000004.
 - The drainage design is of a sufficient level of detail to advise land take requirements and early stage design feasibility. Further design development to be undertaken.
 - 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.
 - 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

Construction works - New A66 Road construction

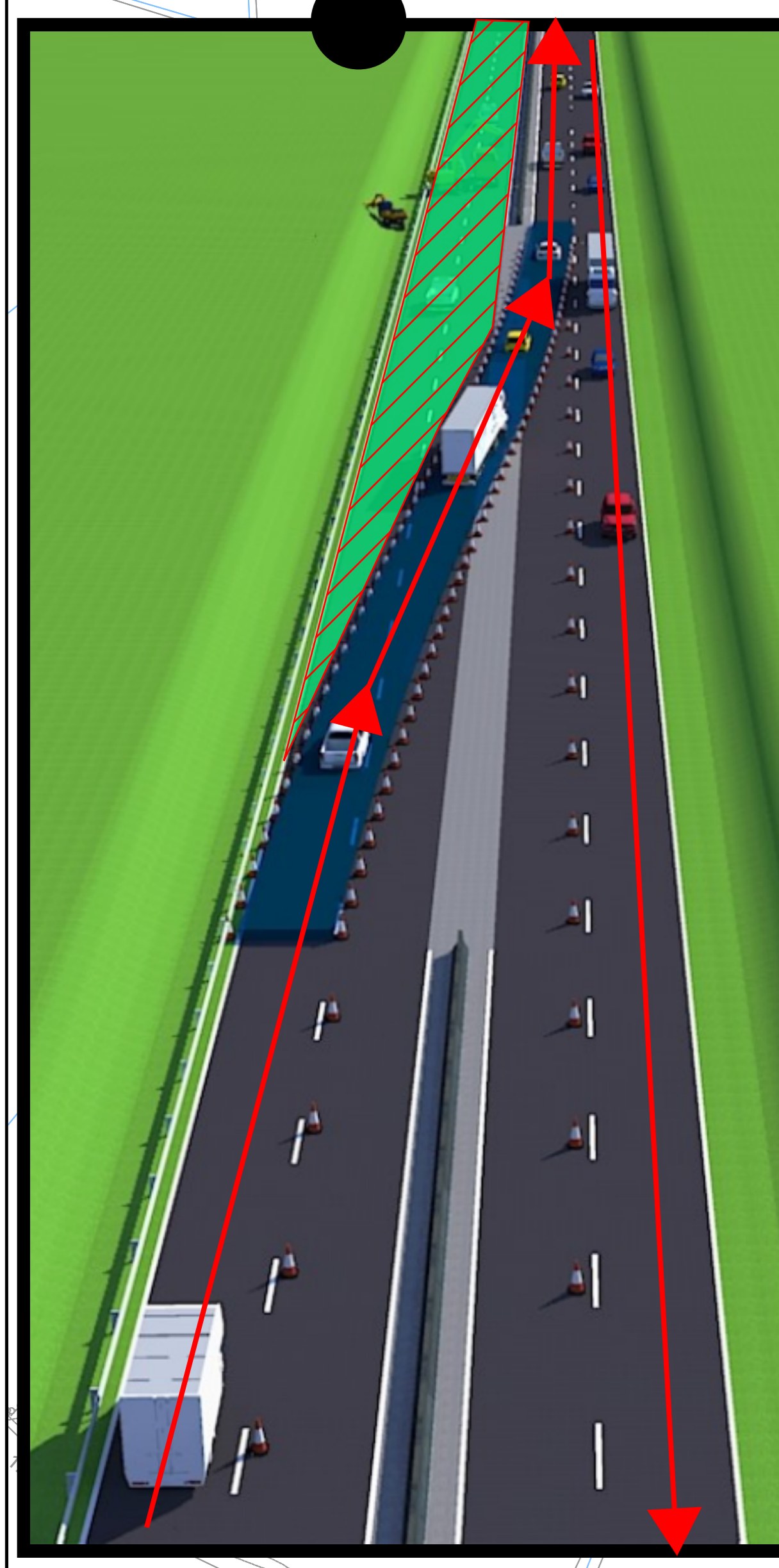
With the diversion route established and live traffic relocated, works can commence on widening and upgrading the existing road to form 2 dual carriageways. Excavated material will be transported to stockpile locations. New drainage and kerbs will be installed, followed by granular material and asphalt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

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 - 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.



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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	JMAR	JMAR	EKEL	TEGG	---
	19/02/21	19/02/21	19/02/21	19/02/21	---

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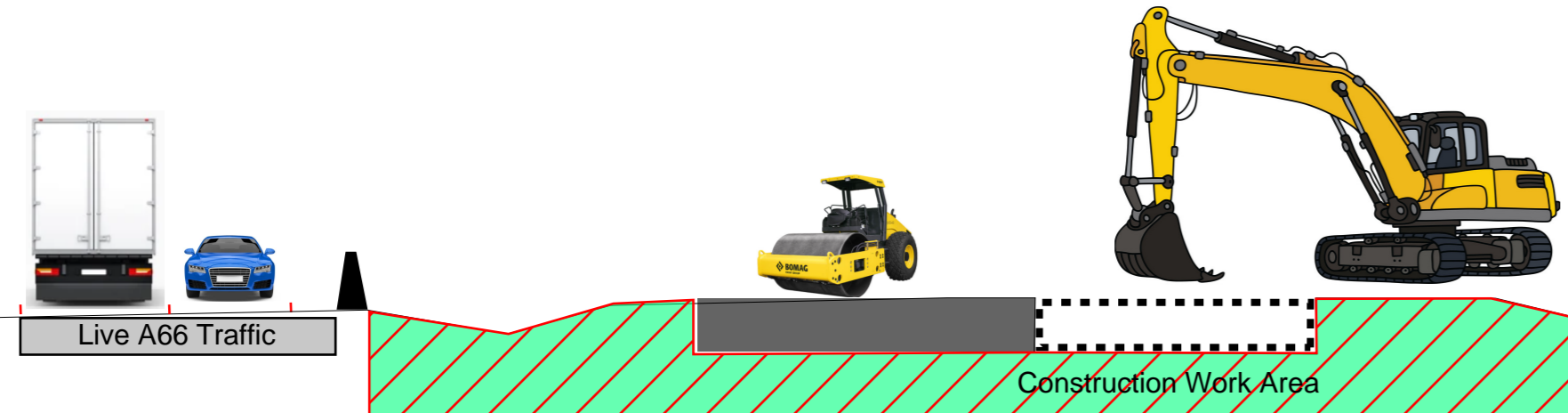
Drawing Number	Project	Originator	Volume	Number
HE565627 - AMY - GEN - S09	-DR-CH-	700001		
	Location	Type	Role	Number

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P01

A66 - Key Proposed Construction Activities (Phase 2 Works)

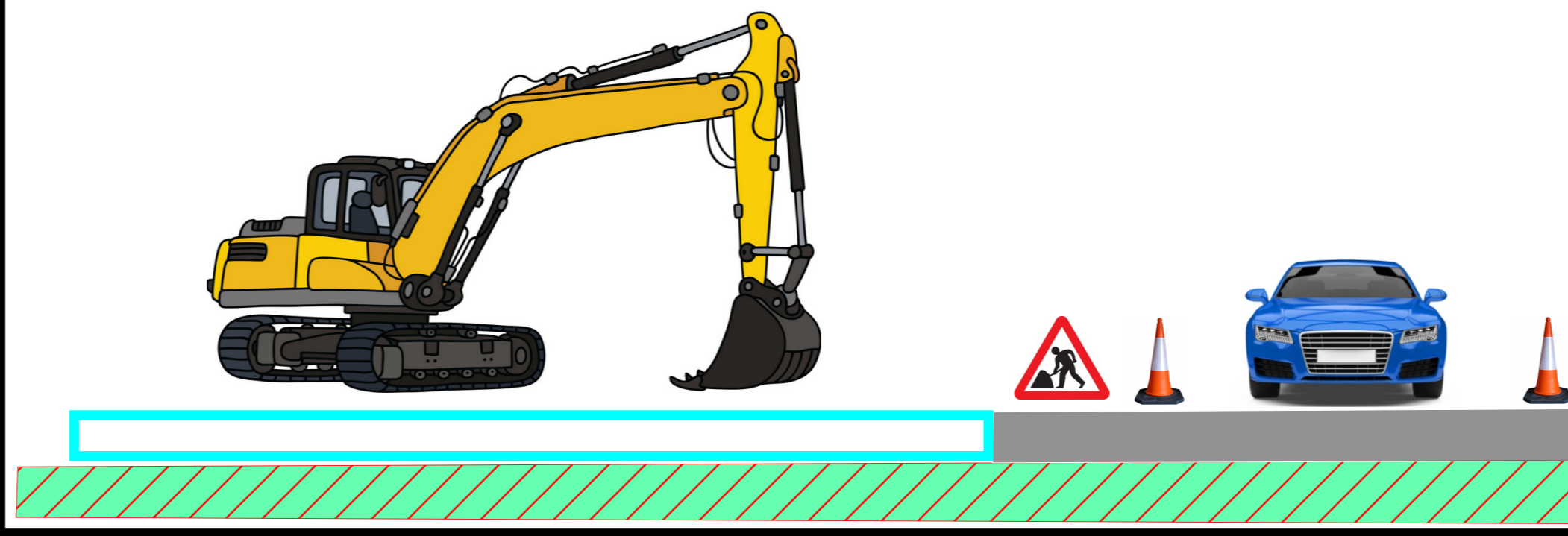
Construction works - New A66 Road construction

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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.

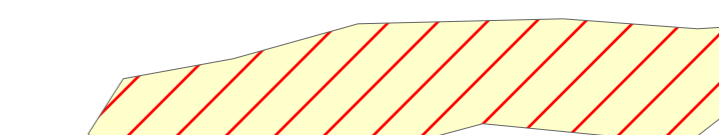


Legend

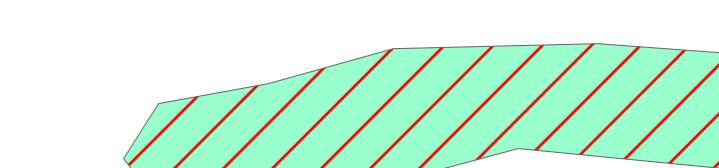
Roads open & in public use



Construction Work Area Phase 1



Construction Work Area Phase 2



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Project Name
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Drawing Title
**Layton
 General Arrangement
 Sheet 2 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- 700002
 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
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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.

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.

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Drawing Title
**Layton
 General Arrangement
 Sheet 1 of 7**

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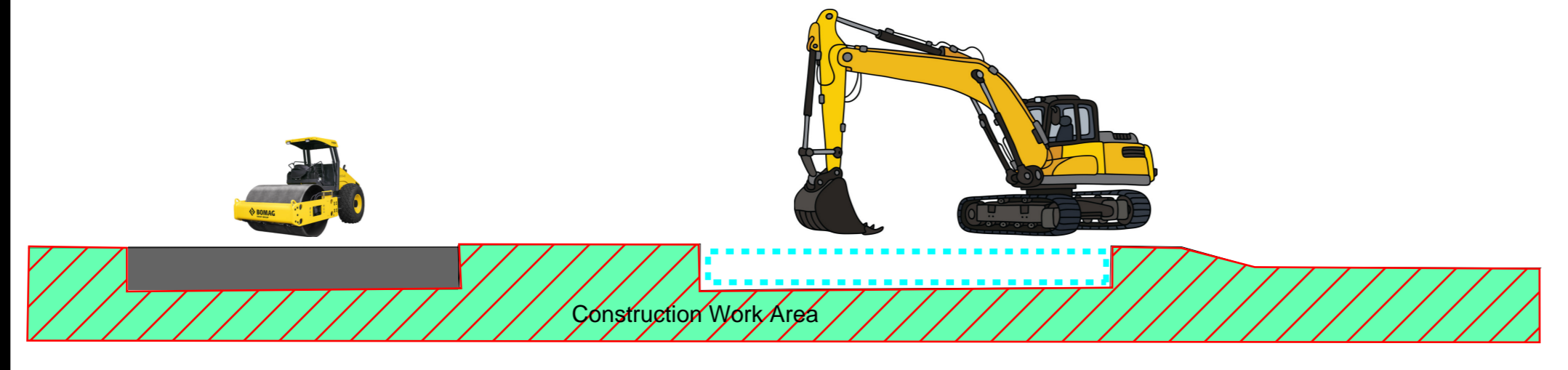
Drawing Number	Project	Originator	Volume
HE565627 - AMY - GEN - S09			
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P01

A66 - Key Proposed Construction Activities (Phase 2 Works)

Construction works - New 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
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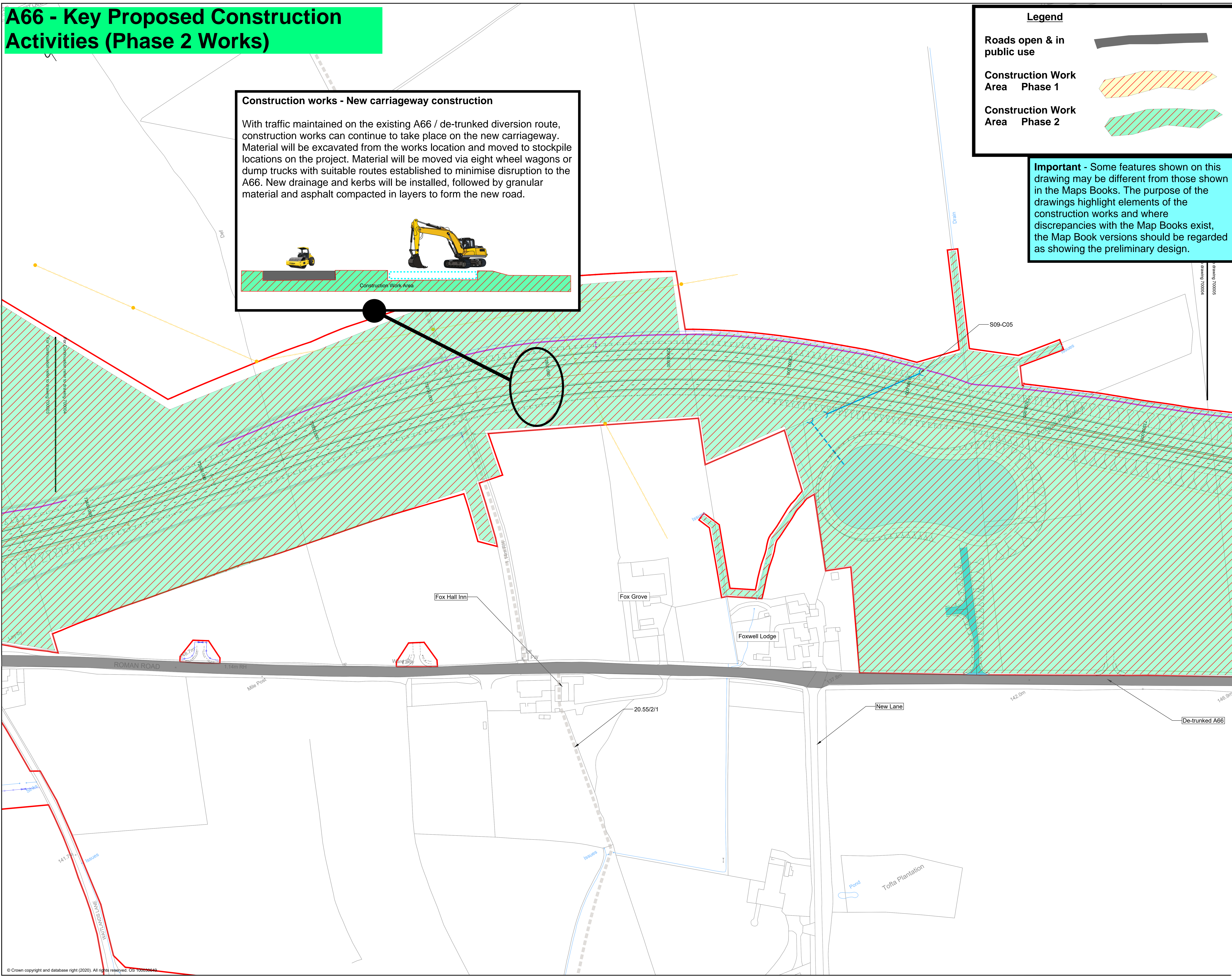
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Project Name
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Drawing Title
**Layton
 General Arrangement
 Sheet 4 of 7**

Project Ref. No.	Stage	Scale : 1:1000	@ A0
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Drawing Number	Project	Originator	Volume
HE565627 - AMY - GEN -	S09	-DR-CH-700004	---
Location	Type	Role	Number
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Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P01

A66 - Key Proposed Construction Activities (Phase 2 Works)

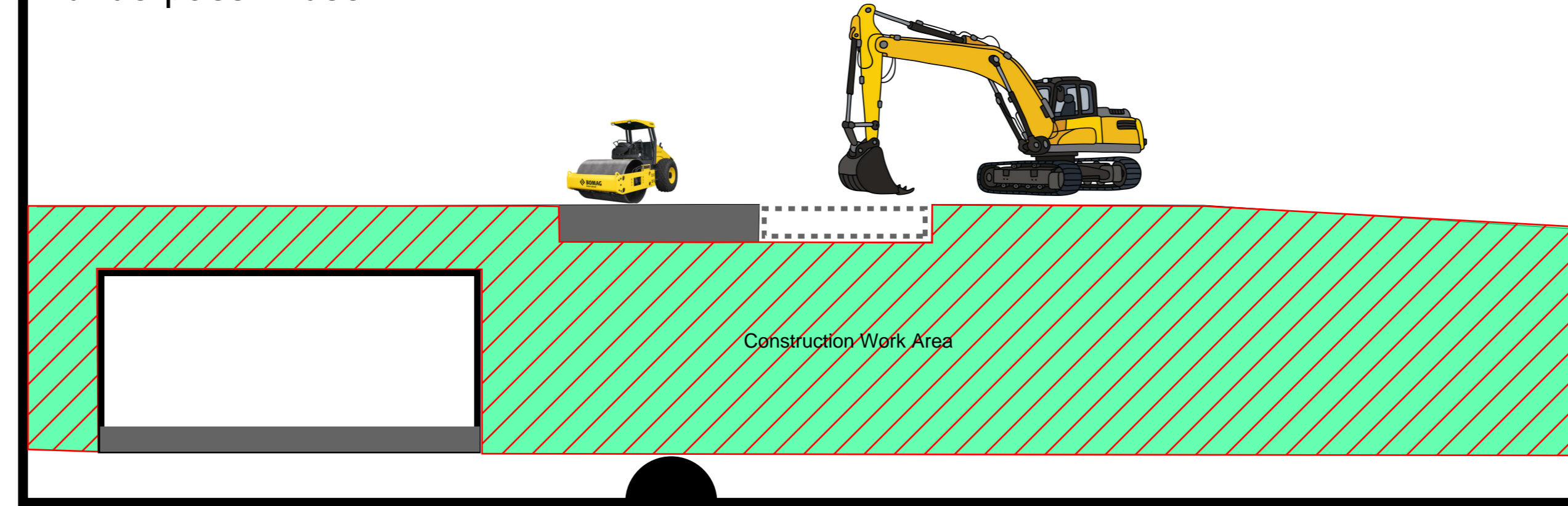
Legend

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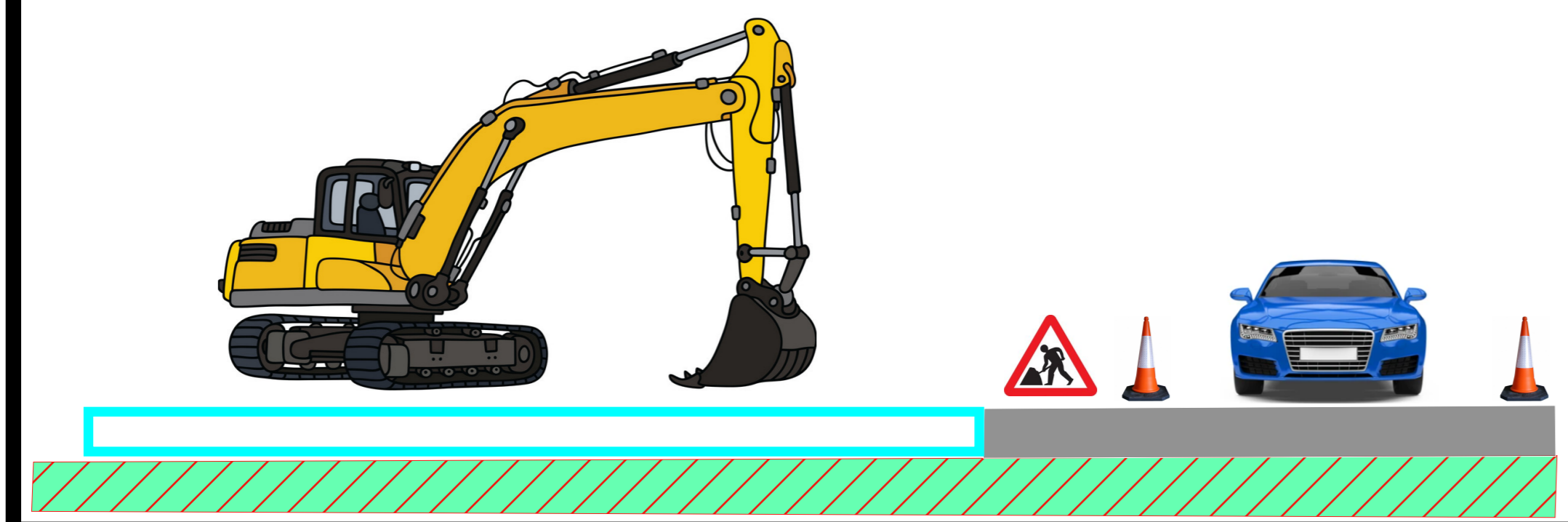
Construction works - New diversion route

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.



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- Farm Track/Access

For Continuation refer to drawing 000008
For Continuation refer to drawing 000005

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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
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highways england

Project Name
A66 Northern Trans-Pennine

Drawing Title
**Layton
General Arrangement
Sheet 5 of 7**

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

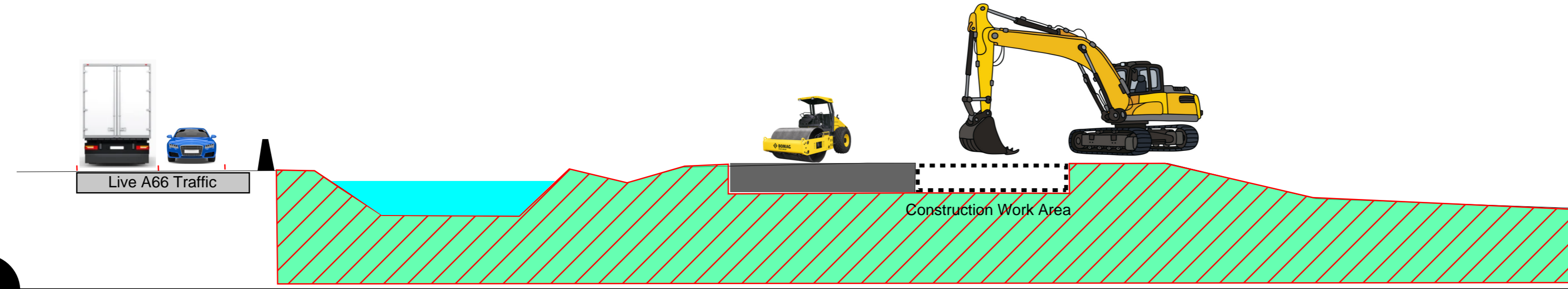
Drawing Number
Project | Originator | Volume |
HE565627 - AMY - GEN -
S09 -DR-CH-700005
Location | Type | Role | Number

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

A66 - Key Proposed Construction Activities (Phase 2 Works)

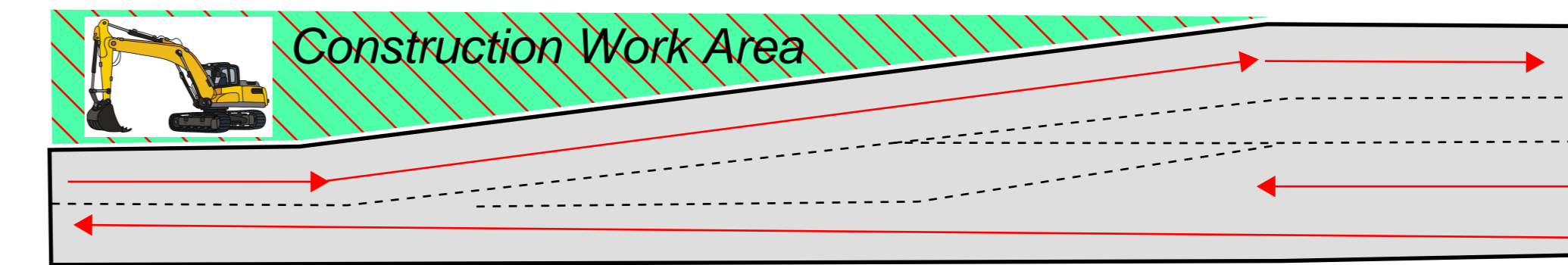
Construction works - New A66 Road construction

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.



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 - 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.



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P01	JMAR 19/02/21	JMAR 19/02/21	EKEL 19/02/21	TEGG 19/02/21	---

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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

Legend

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

For Co-ordination refer to drawing 700006