

A1 in Northumberland: Morpeth to Ellingham

Scheme Number: TR010059

6.1 Environmental Statement - Appendix 2.2 Technical Drawings

Rule 8(1)(c)

Infrastructure Planning (Examination Procedure) Rules 2010

Planning Act 2008

June 2021

Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning
(Examination Procedure) Rules
2010**

**The A1 in Northumberland: Morpeth to
Ellingham**

Development Consent Order 20[xx]

Appendix 2.2 Technical Drawings

Rule Reference:	8(1)(c)
Planning Inspectorate Scheme Reference:	TR010059
Document Reference:	6.1
Author:	A1 in Northumberland: Morpeth to Ellingham Project Team, Highways England

Version	Date	Status of Version
Rev 1	June 2021	Deadline 9

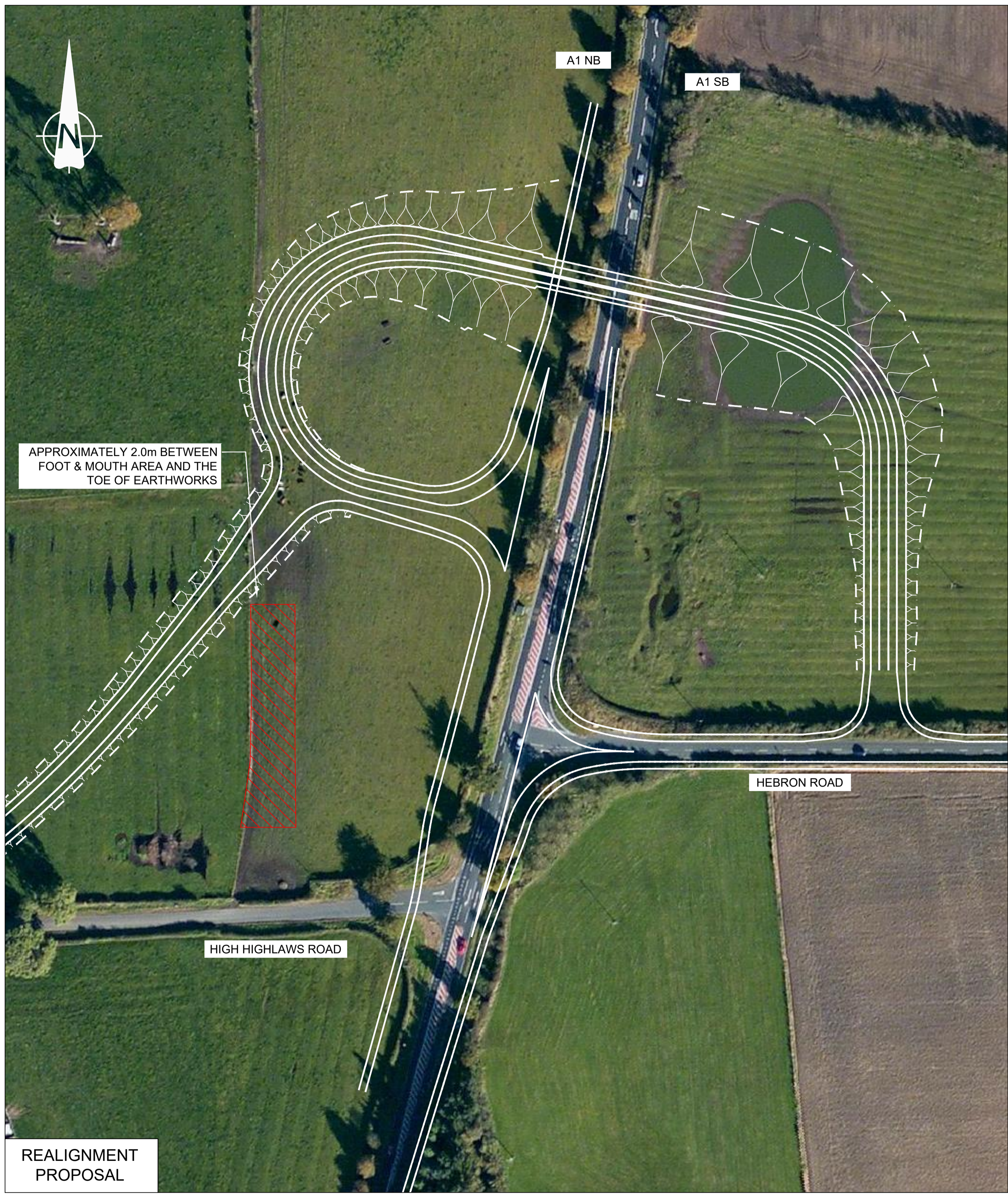
TECHNICAL DRAWINGS

A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

PART A: MORPETH TO FELTON

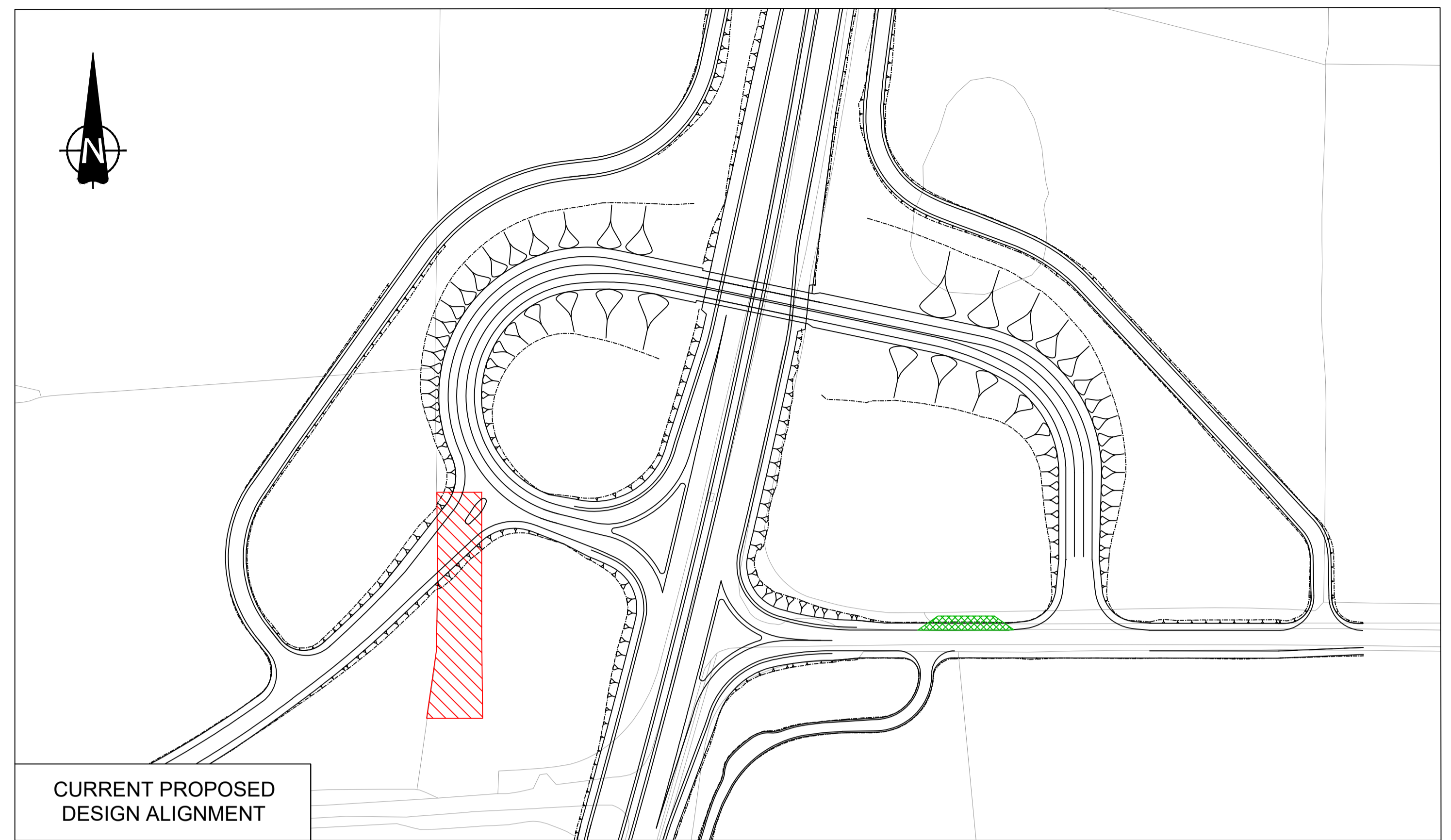
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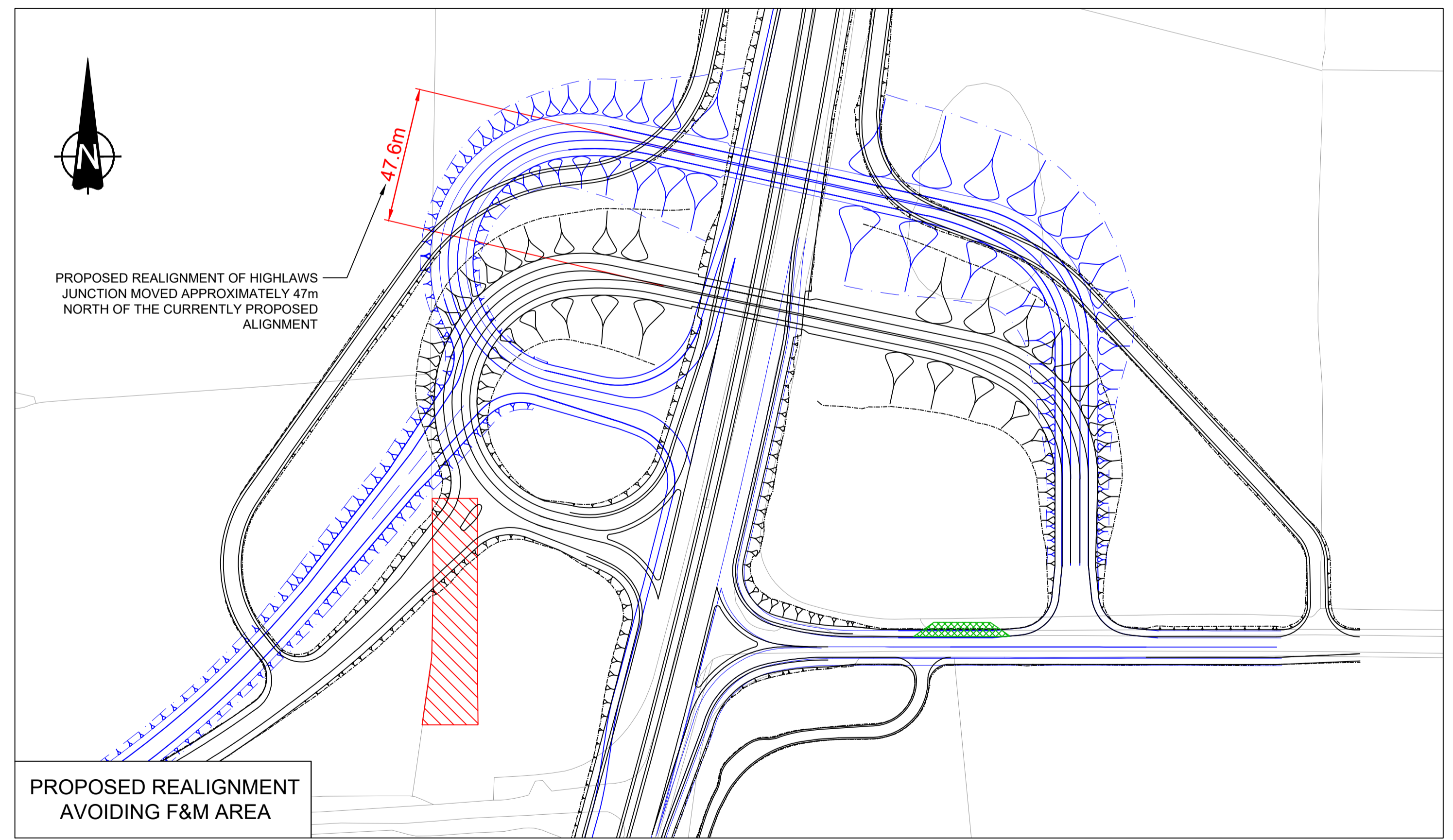


APPROXIMATELY 2.0m BETWEEN FOOT & MOUTH AREA AND THE TOE OF EARTHWORKS

REALIGNMENT PROPOSAL



CURRENT PROPOSED DESIGN ALIGNMENT



PROPOSED REALIGNMENT OF HIGHLAWS JUNCTION MOVED APPROXIMATELY 47m NORTH OF THE CURRENTLY PROPOSED ALIGNMENT

PROPOSED REALIGNMENT AVOIDING F&M AREA

PLAN KEY

- APPROXIMATE LOCATION OF FOOT & MOUTH BURIAL SITE
- PROPOSED REALIGNMENT TO AVOID FOOT & MOUTH SITE
- CURRENTLY PROPOSED DESIGN

NOTES

- REALIGNMENT SHOWN IS INDICATIVE AND FOR SKETCH PURPOSES ONLY
- EARTHWORKS SHOWN ARE APPROXIMATE/INDICATIVE ONLY
- ALL ROAD MARKINGS SHOWN ARE INDICATIVE

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	HA
P01	05/11/18	FIRST ISSUE				

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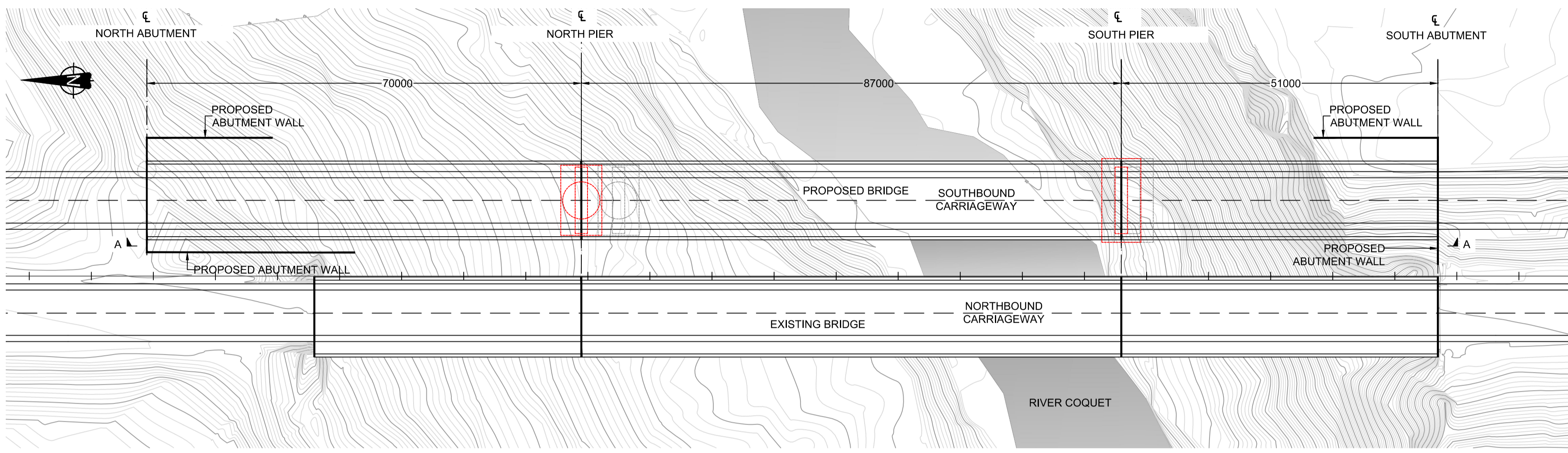
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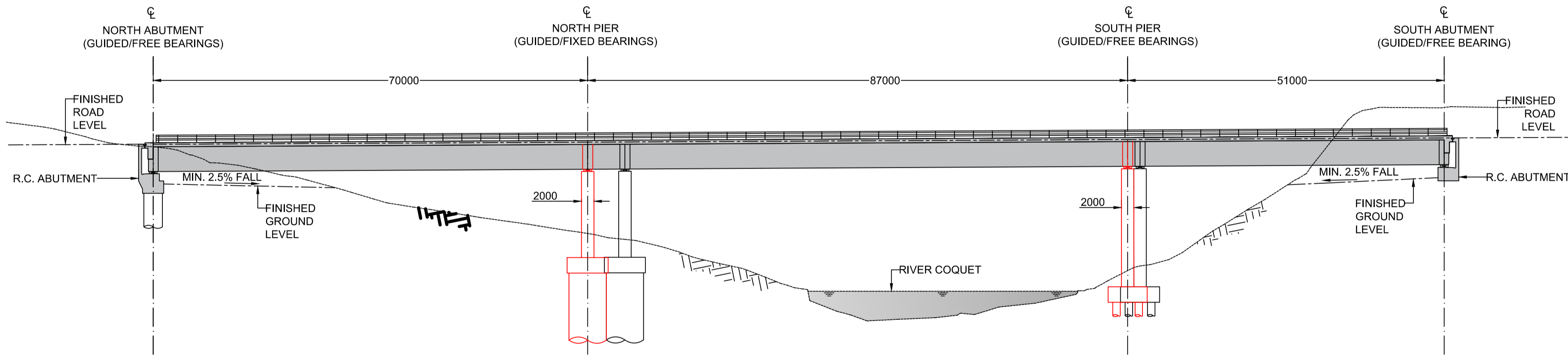
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Drawing Title		PROPOSED REALIGNMENT OPTION HIGHLAWS JUNCTION TO AVOID FOOT & MOUTH BURIAL SITE			
Scale	Drawn	Eng. Check	Approved	Authorised	
NTS	SN	MM	CH	HA	
Original Size	Date	Date	Date	Date	
A1	05/11/18	05/11/18	05/11/18	05/11/18	
Drawing Number	Project	Originator	Volume	Revision	
HE551459		WSP	HGN	P01	
Section	Type	ID	Direction	Type	Role
					Number
					1614

DO NOT SCALE

Millimetres
0 10 100



LOCATION PLAN
SCALE 1:500



ELEVATION A - A
SCALE 1:500

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- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
 - THE DIMENSIONS OF PROPOSED BRIDGES, EMBANKMENTS, CUTTINGS, TUNNELS, CULVERTS AND SUBWAYS ARE INDICATIVE ONLY

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
0	19/05/20	FIRST ISSUE		DDN	MM	MM DM

Suitability: **FOR INFORMATION** Status: **S2**

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Project Title: A1 in Northumberland: Morpeth to Ellingham Part A					
Drawing Title: PARAMETER 10 - EXTENT OF PIER MOVEMENT TO THE NORTH					
Scale: AS SHOWN	Drawn: DDN	Eng. Check: MM	Approved: MM	Authorised: DM	
Original Size: A1	Date: 19/05/20	Date: 19/05/20	Date: 19/05/20	Date: 19/05/20	
Drawing Number: HE551459	Project: WSP	Originator: WSP	Volume: GEN	Revision: 0	PW Stage Code
Section: Type: ID:	Direction: M2F	Type: SK	Role: CH	Number: 2474	

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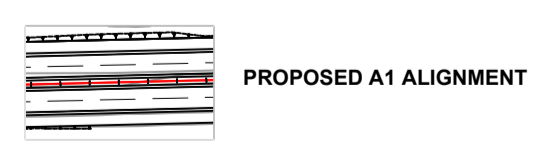
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SUMMARY OF CLASHES (AS OF 05/11/18):

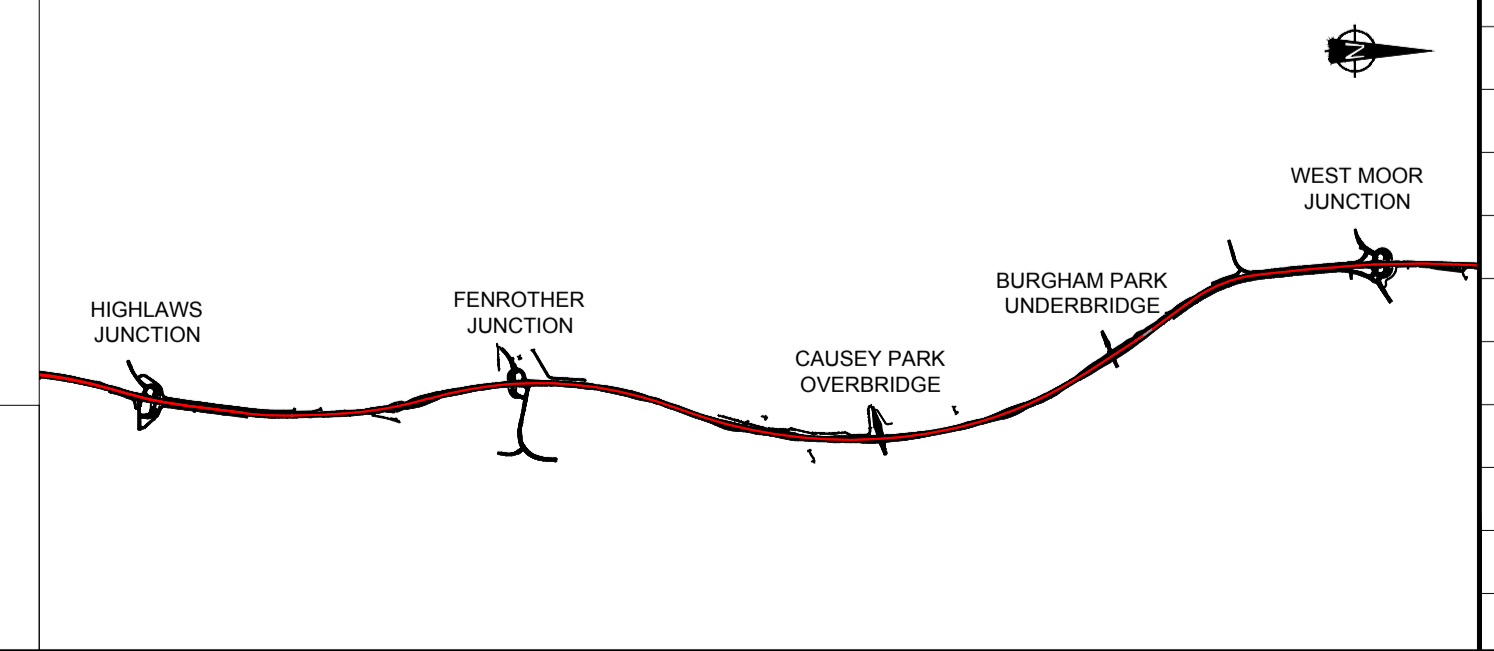
- EXISTING STATS AND PROPOSED DRAINAGE AND BARRIER. SECTIONS 2, 3, 4, 5, 6, 7 AND 9.
- EXISTING MINIMUM VERGE NOT WIDE ENOUGH TO ACCOMMODATE FOR ELEMENTS REQUIRED. SECTIONS 13, 21, 22 AND 23.

PLAN KEY



NOTE

1. For Pinchpoint Cross Sections, see drawings: HE551459-WSP-HGN-M2F-DR-CH-1074 to 1080



Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO	DDN	MM	CH	DM

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Project Title		A1 IN NORTHUMBERLAND MORPETH TO FELTON			
Drawing Title		INDICATIVE CROSS SECTIONS PLAN OVERVIEW			
Scale	Drawn	Eng. Check	Approved	Authorised	
NTS	DDN	MM	CH	DM	
Original Size	Date	Date	Date	Date	
A1	05/11/18	05/11/18	05/11/18	05/11/18	
Drawing Number	Project	Originator	Volume	Revision	
HE551459		WSP	HGN	P01	
Section	Type	ID	Direction	Type	Role
					Number
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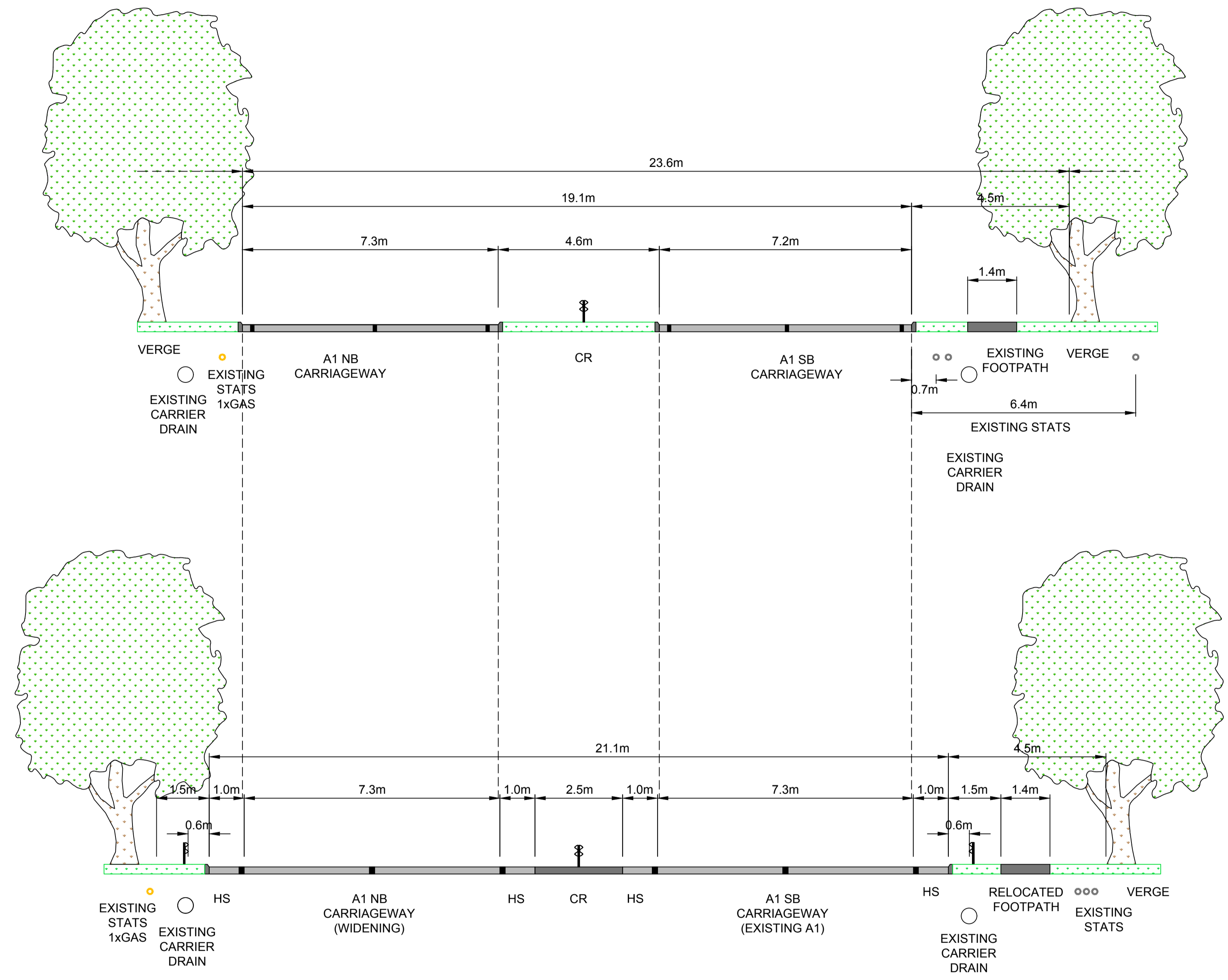
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ONLINE - SOUTH SECTION CH 10790 - 10850

SOUTHERN TIE-IN POINT OF
EXISTING CARRIAGEWAY
CH 10680

PROPOSED SECTION
FOLLOWING TRANSITION



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES - Assumptions:

Area 14 requirements

- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
- 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
- Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
- Field drain only shown where land drainage is required by the drainage team.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.

Contractor

- Haul road for offline section to be within footprint of new carriageway.
- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

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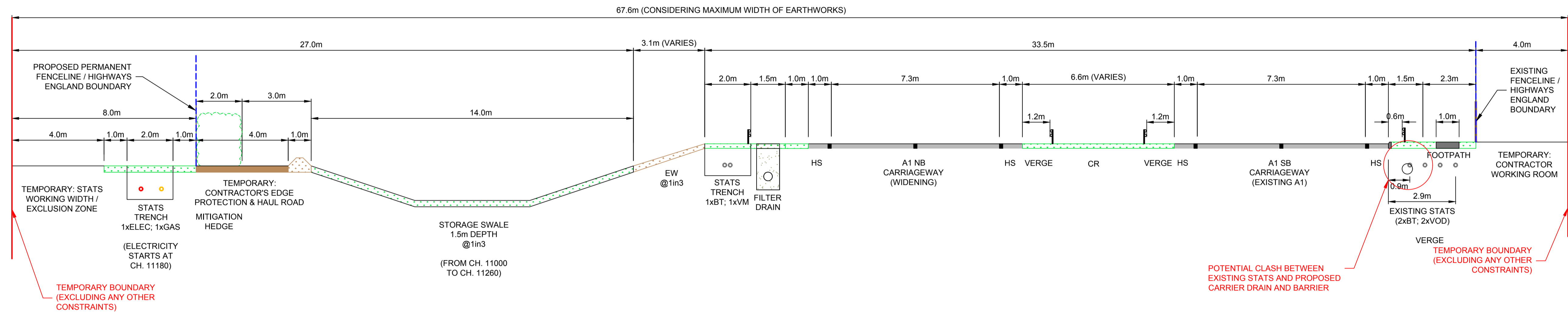
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Project Title		A1 IN NORTHUMBERLAND MORPETH TO FELTON			
Drawing Title		INDICATIVE CROSS SECTIONS SECTION 1			
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NTS	DDN	MM	CH	DM	
Original Size	Date	Date	Date	Date	
A1	05/11/18	05/11/18	05/11/18	05/11/18	
Project	Originator	Volume	Revision		
HE551459	WSP	HGN	P01		
Section	Type	ID	Direction	Type	Role
			M2F	DR	CH
					1090
					Number

DO NOT SCALE

ONLINE - SOUTH SECTION CH 10990 - 11215



STATS	
●	TELECOMS - BT / VODAFONE / VIRGIN MEDIA
●	WATER MAIN
●	GAS MAIN
●	ELECTRICITY

NOTES - Assumptions:

Area 14 requirements

- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
- 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fence line.
- Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
- Field drain only shown where land drainage is required by the drainage team.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.

Contractor

- Haul road for offline section to be within footprint of new carriageway.
- Permanent fence line (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd	
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH	DM

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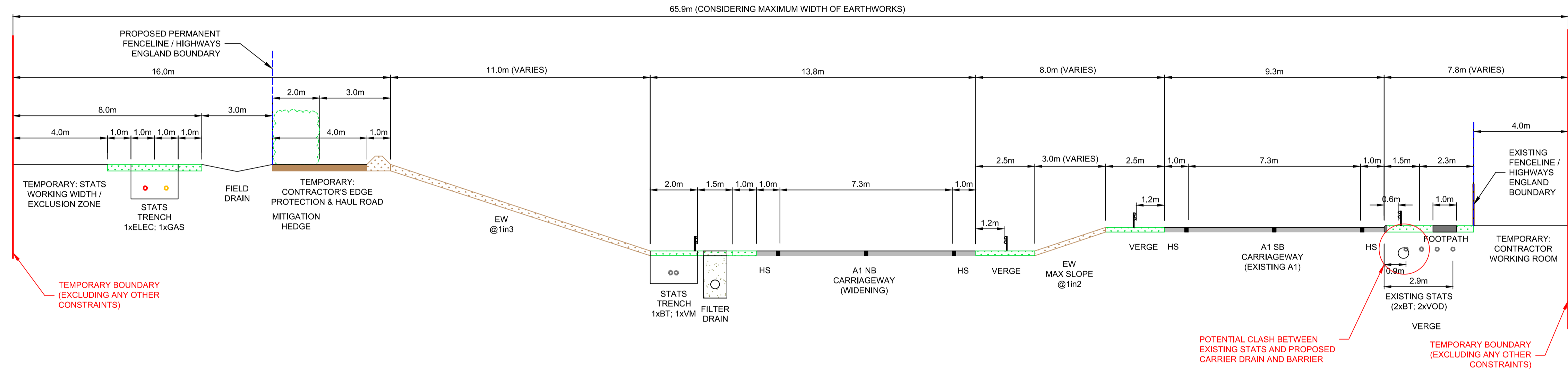
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Project Title		A1 IN NORTHUMBERLAND MORPETH TO FELTON			
Drawing Title		INDICATIVE CROSS SECTIONS SECTION 2			
Scale	Drawn	Eng. Check	Approved	Authorised	
NTS	DDN	MM	CH	DM	
Original Size	Date	Date	Date	Date	Date
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Project	Originator	Volume	Revision		
HE551459	WSP	HGN	P01		
Section	Type	ID	Direction	Type	Role
			M2F	DR	CH
					1091
					Number

DO NOT SCALE

ONLINE - SOUTH SECTION CH 11215 - 11320



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

STORAGE SWALE ENDS AT CH. 11260, SEE SECTION 2

NOTES - Assumptions:

Area 14 requirements

- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
- 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
- Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
- Field drain only shown where land drainage is required by the drainage team.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.

Contractor

- Haul road for offline section to be within footprint of new carriageway.
- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

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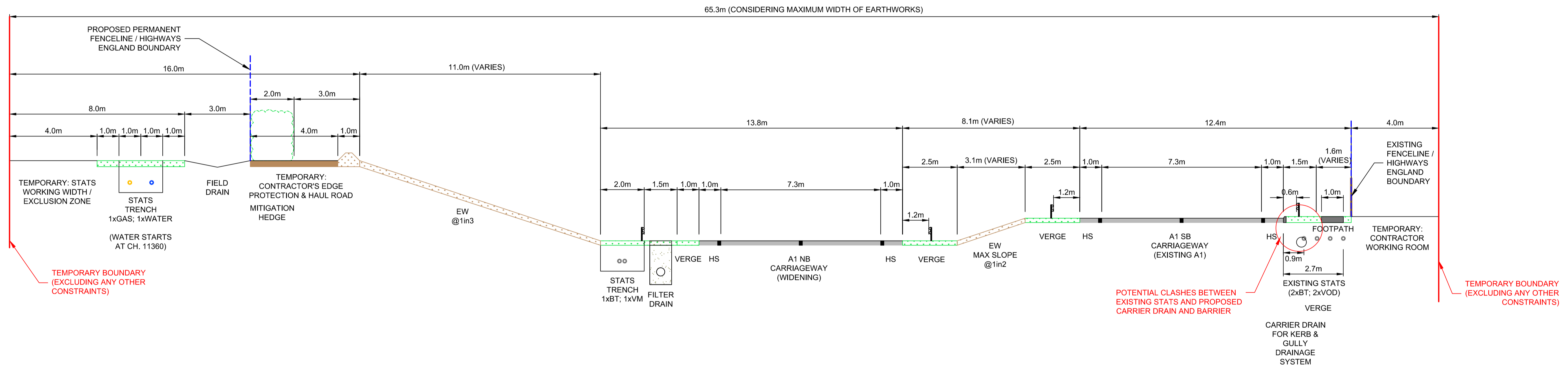
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Project Title		A1 IN NORTHUMBERLAND MORPETH TO FELTON			
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NTS	DDN	MM	CH	DM	
Original Size	Date	Date	Date	Date	
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Project	Originator	Volume	Revision		
HE551459	WSP	HGN	P01		
Section	Type	ID	Direction	Type	Role
			M2F	DR	CH
					1092
					Number

DO NOT SCALE

ONLINE - SOUTH SECTION CH 11320 - 11634



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES - Assumptions:

Area 14 requirements

- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
- 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
- Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
- Field drain only shown where land drainage is required by the drainage team.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.

Contractor

- Haul road for offline section to be within footprint of new carriageway.
- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

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P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

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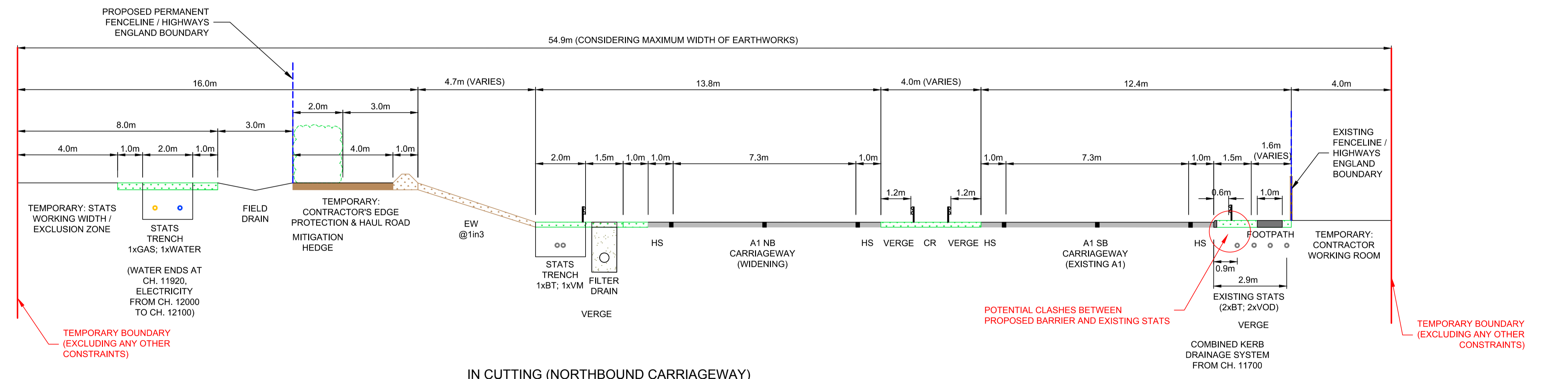
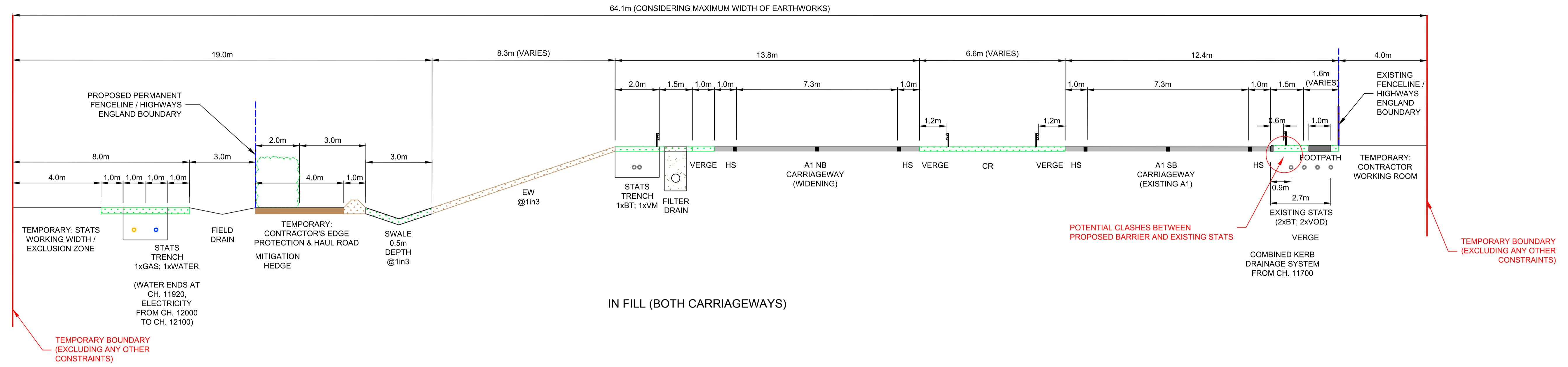
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Drawing Title		INDICATIVE CROSS SECTIONS SECTION 4			
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Project Number	Originator	Volume	Revision		
HE551459	WSP	HGN	P01		
Section	Type	ID	Direction	Type	Role
					Number
					1093

DO NOT SCALE

100
0 10
Millimetres

ONLINE - SOUTH SECTION CH 11634 - 12100



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES - Assumptions:

Area 14 requirements

- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
- 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
- Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
- Field drain only shown where land drainage is required by the drainage team.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.

Contractor

- Haul road for offline section to be within footprint of new carriageway.
- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

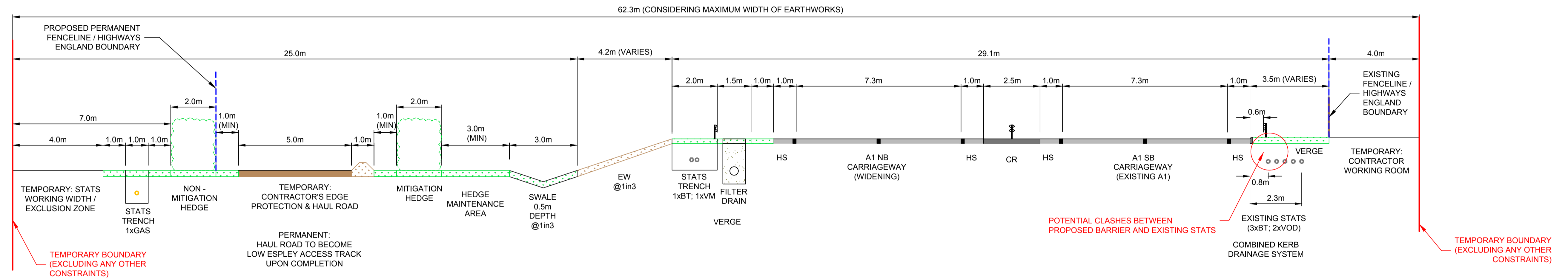
- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd	
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH	DM

FOR INFORMATION		S2		Project Title A1 IN NORTHUMBERLAND MORPETH TO FELTON			
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Scale	Drawn	Eng. Check	Approved	Authorised			
NTS	DDN	MM	CH	DM			
Original Size	Date	Date	Date	Date			
A1	05/11/18	05/11/18	05/11/18	05/11/18			
Drawing Number Project HE551459		Originator WSP		Volume HGN		Revision P01	
Section		Type		ID		PW Stage Code	
		M2F DR CH 1094					

DO NOT SCALE

ONLINE - SOUTH SECTION CH 12290 - 12550



STATS	
●	TELECOMS - BT / VODAFONE / VIRGIN MEDIA
●	WATER MAIN
●	GAS MAIN
●	ELECTRICITY

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION.
PARALLEL ACCESS TRACK OFF HEBRON ROAD (EAST OF MAINLINE) NOT SHOWN.

- NOTES - Assumptions:**
- Area 14 requirements**
- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
 - 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
 - Filter drain located in front of safety barrier for maintenance purposes.
- Safety Barrier**
- Where required, verge safety barrier assumed at back of filter drain.
 - Maximum working width assumed W4 (<1.3m), unless stated otherwise.
- Drainage requirements**
- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
 - Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
 - Field drain only shown where land drainage is required by the drainage team.

- Signage**
- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.
- Stats requirements**
- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
 - In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.
- Contractor**
- Haul road for offline section to be within footprint of new carriageway.
 - Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.
- Environmental**
- Mitigation hedges required to be within highway boundary.
 - Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

Suitability: FOR INFORMATION | Status: S2

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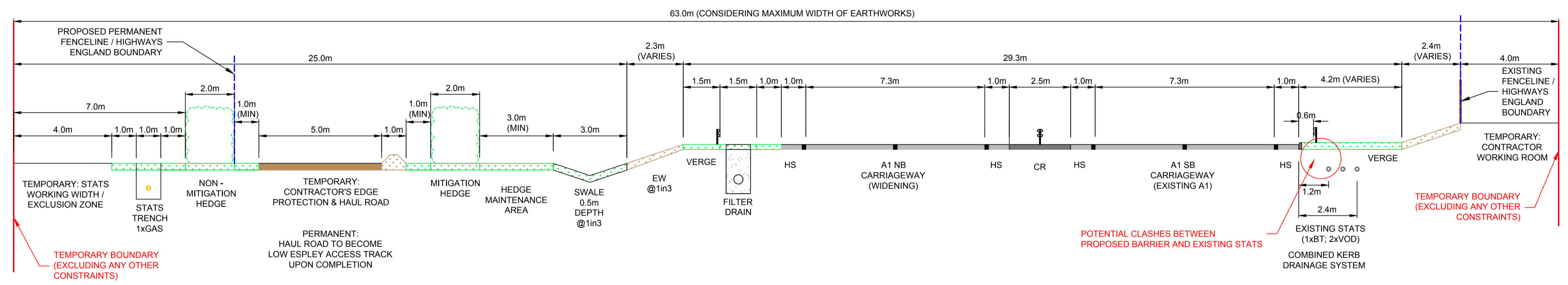
Client: **highways england**

Project Title: A1 IN NORTHUMBERLAND MORPETH TO FELTON				
Drawing Title: INDICATIVE CROSS SECTIONS SECTION 6				
Scale: NTS	Drawn: DDN	Eng. Check: MM	Approved: CH	Authorised: DM
Original Size: A1	Date: 05/11/18	Date: 05/11/18	Date: 05/11/18	Date: 05/11/18
Project: HE551459	Originator: WSP	Volume: HGN	Revision: P01	
Section: M2F	DR	CH	1095	PW Stage Code

DO NOT SCALE

Millimetres

ONLINE - SOUTH SECTION CH 12550 - 12900



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION.
PARALLEL ACCESS TRACK OFF HEBRON ROAD (EAST OF MAINLINE) NOT SHOWN.

NOTES - Assumptions:

Area 14 requirements

- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
- 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
- Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
- Field drain only shown where land drainage is required by the drainage team.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.

Contractor

- Haul road for offline section to be within footprint of new carriageway.
- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH

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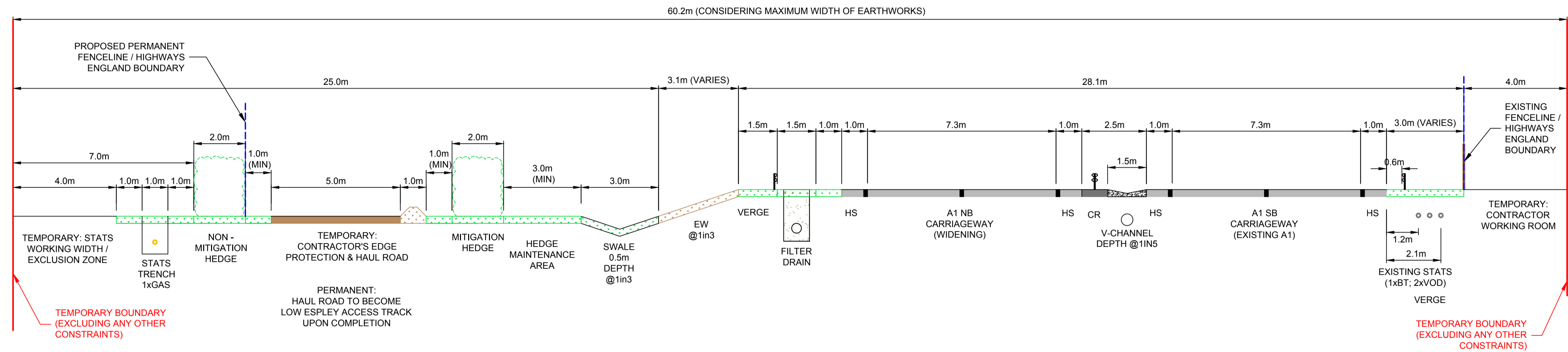
**highways
england**

Project Title		A1 IN NORTHUMBERLAND MORPETH TO FELTON			
Drawing Title		INDICATIVE CROSS SECTIONS SECTION 7			
Scale	Drawn	Eng. Check	Approved	Authorised	
NTS	DDN	MM	CH	DM	
Original Size	Date	Date	Date	Date	
A1	05/11/18	05/11/18	05/11/18	05/11/18	
Drawing Number	Project	Originator	Volume	Revision	
HE551459		WSP	HGN	P01	
Section	Type	ID	Direction	Type	Role
			M2F	DR	CH
					1096
					Number

DO NOT SCALE

ONLINE - SOUTH SECTION

CH 12900 - 13240



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION.

PARALLEL ACCESS TRACK OFF HEBRON ROAD (EAST OF MAINLINE) NOT SHOWN.

- NOTES - Assumptions:**
- Area 14 requirements**
- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
 - 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
 - Filter drain located in front of safety barrier for maintenance purposes.
- Safety Barrier**
- Where required, verge safety barrier assumed at back of filter drain.
 - Maximum working width assumed W4 (<1.3m), unless stated otherwise.
- Drainage requirements**
- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
 - Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
 - Field drain only shown where land drainage is required by the drainage team.

- Signage**
- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.
- Stats requirements**
- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
 - In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.
- Contractor**
- Haul road for offline section to be within footprint of new carriageway.
 - Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.
- Environmental**
- Mitigation hedges required to be within highway boundary.
 - Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

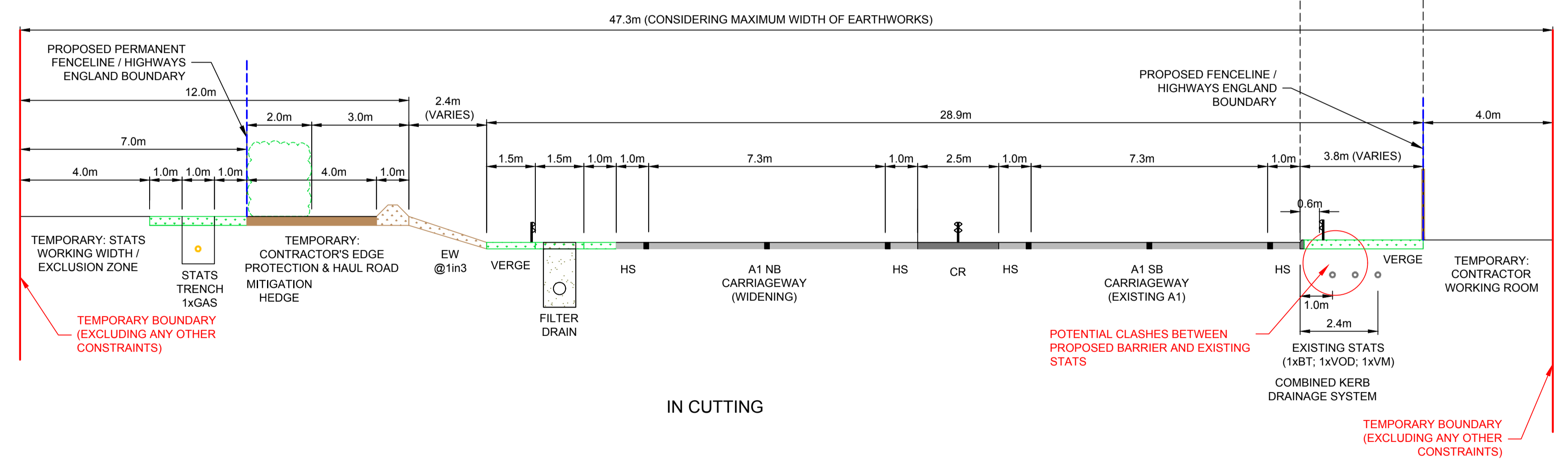
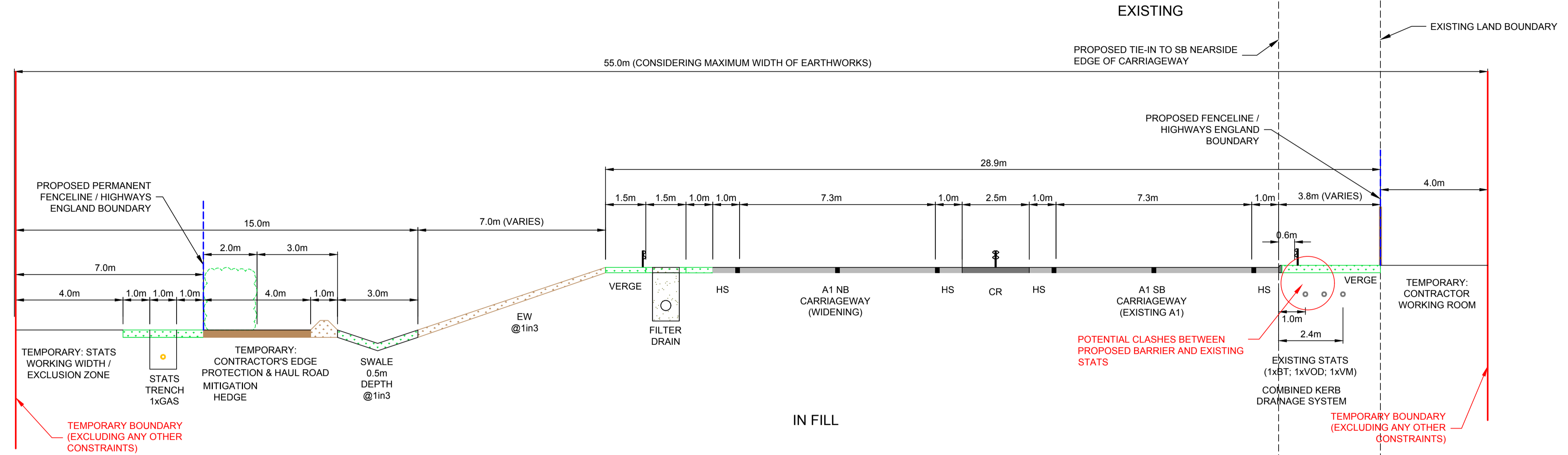
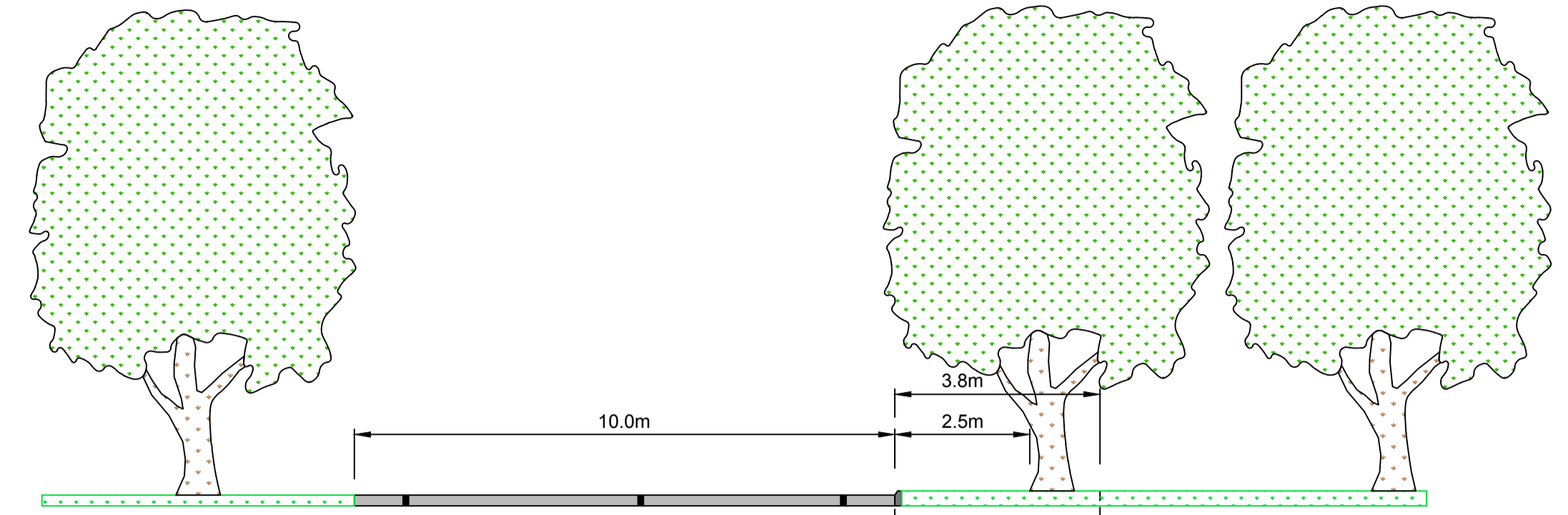
FOR INFORMATION		S2		Project Title A1 IN NORTHUMBERLAND MORPETH TO FELTON			
Queen Street Manchester M2 5JB, UK T+ 44 (0) 161 832 4542 wsp.com		Drawing Title INDICATIVE CROSS SECTIONS SECTION 8					
		Scale NTS	Drawn DDN	Eng. Check MM	Approved CH	Authorised DM	
Original Size A1	Date 05/11/18	Date 05/11/18	Date 05/11/18	Date 05/11/18	Revision P01		
Drawing Number HE551459		Originator WSP		Volume HGN		Revision P01	
Section	Type	ID	Direction M2F	Type DR	Role CH	Number 1097	

DO NOT SCALE

Millimetres

ONLINE - SOUTH SECTION

CH 13240 - 13650



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES - Assumptions:

Area 14 requirements

- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
- 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
- Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
- Field drain only shown where land drainage is required by the drainage team.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.

Contractor

- Haul road for offline section to be within footprint of new carriageway.
- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

FOR INFORMATION	S2	Project Title A1 IN NORTHUMBERLAND MORPETH TO FELTON																				
		Drawing Title INDICATIVE CROSS SECTIONS SECTION 9																				
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NTS	DDN	MM	CH	DM																		
Original Size	Date	Date	Date	Date																		
A1	05/11/18	05/11/18	05/11/18	05/11/18																		
	Drawing Number HE551459																					
© WSP UK Ltd Client	<table border="1" style="width: 100%; font-size: small;"> <tr> <td>Project</td> <td>WSP</td> <td>Volume</td> <td>HGN</td> <td>Revision</td> <td>P01</td> </tr> <tr> <td>Project</td> <td>M2F</td> <td>DR</td> <td>CH</td> <td>1098</td> <td>PW Stage Code</td> </tr> </table>		Project	WSP	Volume	HGN	Revision	P01	Project	M2F	DR	CH	1098	PW Stage Code								
Project	WSP	Volume	HGN	Revision	P01																	
Project	M2F	DR	CH	1098	PW Stage Code																	

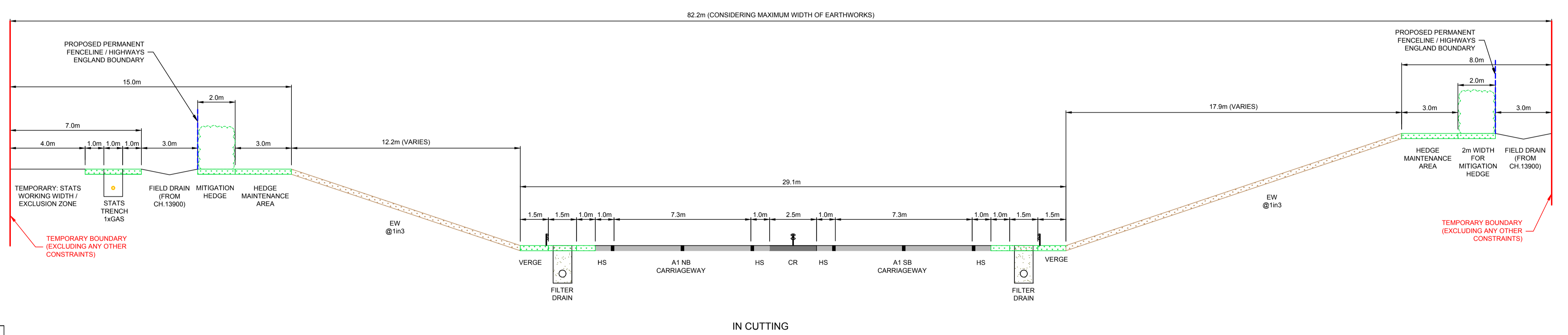
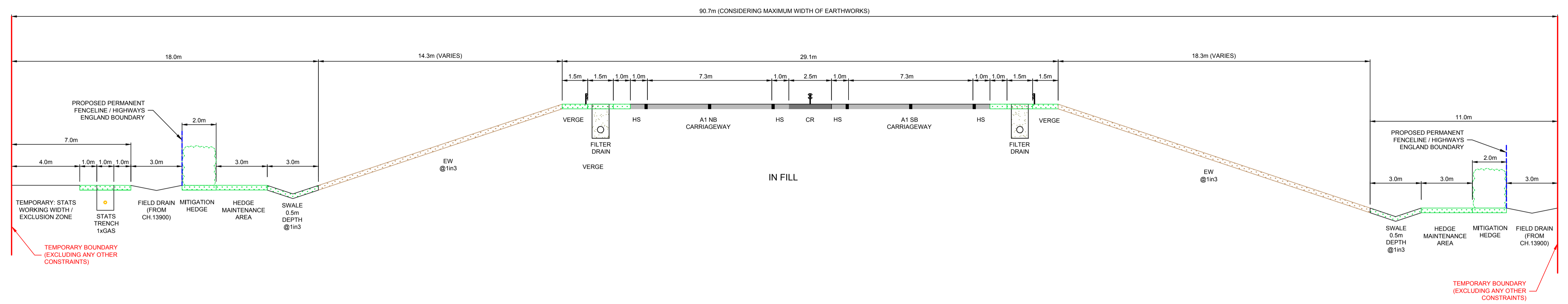
DO NOT SCALE

100
0 10
Millimetres

OFFLINE SECTION

CH 13650 - 14200
CH 18650 - 19080

CHAINAGE	MAXIMUM WIDTH OF EARTHWORKS			
	FILL		CUT	
	NB	SB	NB	SB
CH 13650 - 14200	14.3m	18.3m	6.3m	7m
CH 18650 - 19380	1.6m	-	12.2m	17.9m



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES - Assumptions:

Area 14 requirements

- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
- 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
- Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
- Field drain only shown where land drainage is required by the drainage team.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

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- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.

Contractor

- Haul road for offline section to be within footprint of new carriageway.
- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

FOR INFORMATION		S2	Project Title A1 IN NORTHUMBERLAND MORPETH TO FELTON			
Queen Street Manchester M2 5JB, UK		Drawing Title INDICATIVE CROSS SECTIONS SECTION 10				
T+ 44 (0) 161 832 4542 wsp.com		Scale				Revision
© WSP UK Ltd		Drawn	Eng. Check	Approved	Authorised	Revision
Client highways england		Original Size	Date	Date	Date	Date
Project HE551459		NTS	DDN	MM	CH	DM
Section		Type	ID	Direction	Type	Role
Volume HGN		Date	Date	Date	Date	Date
M2F DR CH 1099		05/11/18	05/11/18	05/11/18	05/11/18	05/11/18
PW Stage Code P01						

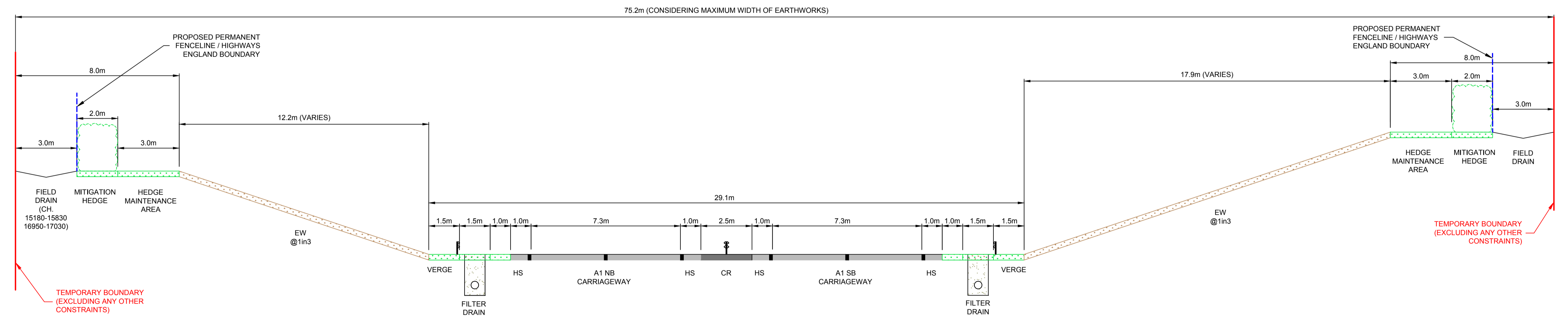
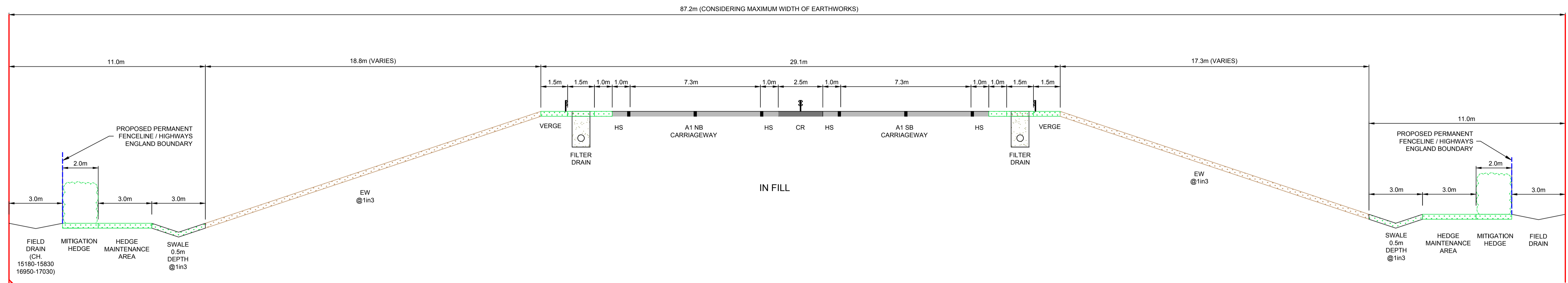
DO NOT SCALE

Millimetres
0 10 100

OFFLINE SECTION

CH 14200 - 14880
 CH 15180 - 16490
 CH 16590 - 18650
 CH 19080 - 19700

CHAINAGE	MAXIMUM WIDTH OF EARTHWORKS			
	FILL		CUT	
	NB	SB	NB	SB
CH 14200 - 14880	N/A		6.3m	6.7m
CH 15180 - 16490	3.9m	3.7m	4.8m	8m
CH 16590 - 18650	11.6m	10.7m	12.2m	17.9m
CH 19080 - 19700	18.8m	17.3m	N/A	



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES - Assumptions:

Area 14 requirements

- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
- 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
- Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
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Signage

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Stats requirements

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- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.

Contractor

- Haul road for offline section to be within footprint of new carriageway.
- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

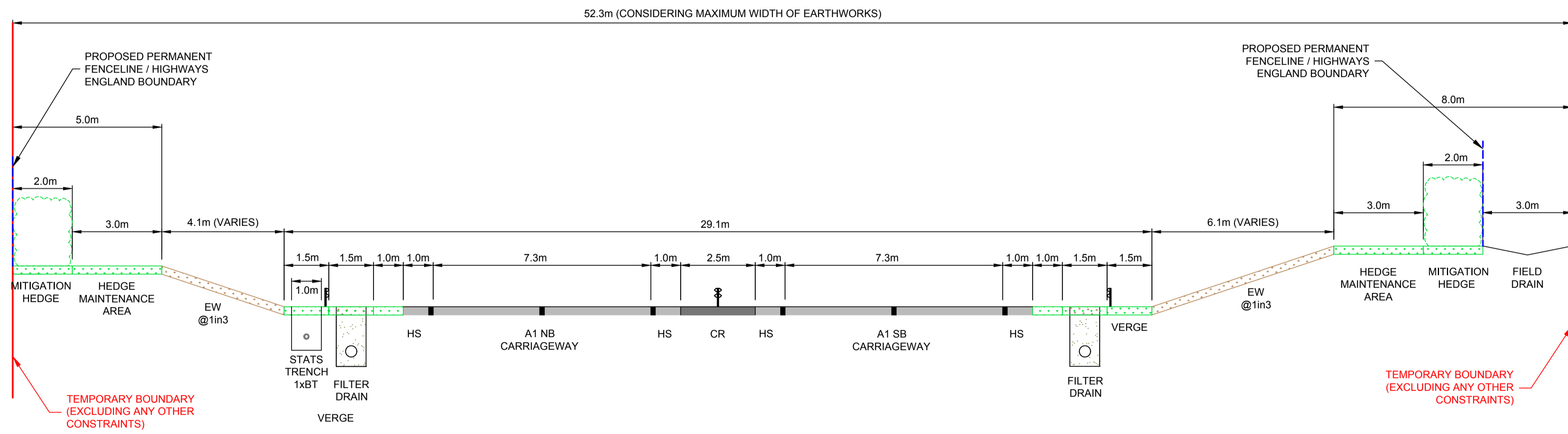
- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

FOR INFORMATION		S2		Project Title A1 IN NORTHUMBERLAND MORPETH TO FELTON			
Queen Street Manchester M2 5JB, UK T+ 44 (0) 161 832 4542 wsp.com		Drawing Title INDICATIVE CROSS SECTIONS SECTION 11					
		Scale: NTS	Drawn: DDN	Eng. Check: MM	Approved: CH	Authorised: DM	
Original Size: A1	Date: 05/11/18	Date: 05/11/18	Date: 05/11/18	Date: 05/11/18	Revision: P01		
Drawing Number: HE551459		Originator: WSP		Volume: HG1		PW Stage Code	
Section: M2F		DR		CH 1100			

DO NOT SCALE

OFFLINE SECTION CH 16490 - 16590



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES - Assumptions:

Area 14 requirements

- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
- 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
- Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
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Signage

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Stats requirements

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- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.

Contractor

- Haul road for offline section to be within footprint of new carriageway.
- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

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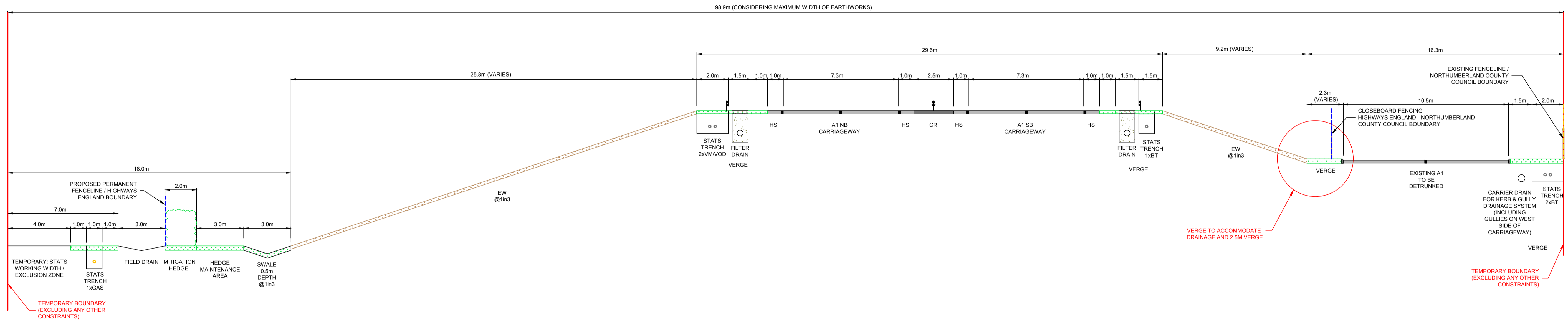
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england**

Project Title		A1 IN NORTHUMBERLAND MORPETH TO FELTON			
Drawing Title		INDICATIVE CROSS SECTIONS SECTION 12			
Scale	Drawn	Eng. Check	Approved	Authorised	
NTS	DDN	MM	CH	DM	
Original Size	Date	Date	Date	Date	
A1	05/11/18	05/11/18	05/11/18	05/11/18	
Project Number	Originator	Volume		Revision	
HE551459	WSP	HGN		P01	
Section	Type	Direction	Type	Role	Number
		M2F	DR	CH	1101

DO NOT SCALE

OFFLINE SECTION CH 19700 - 20010



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES - Assumptions:

Area 14 requirements

- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
- 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
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Contractor

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- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

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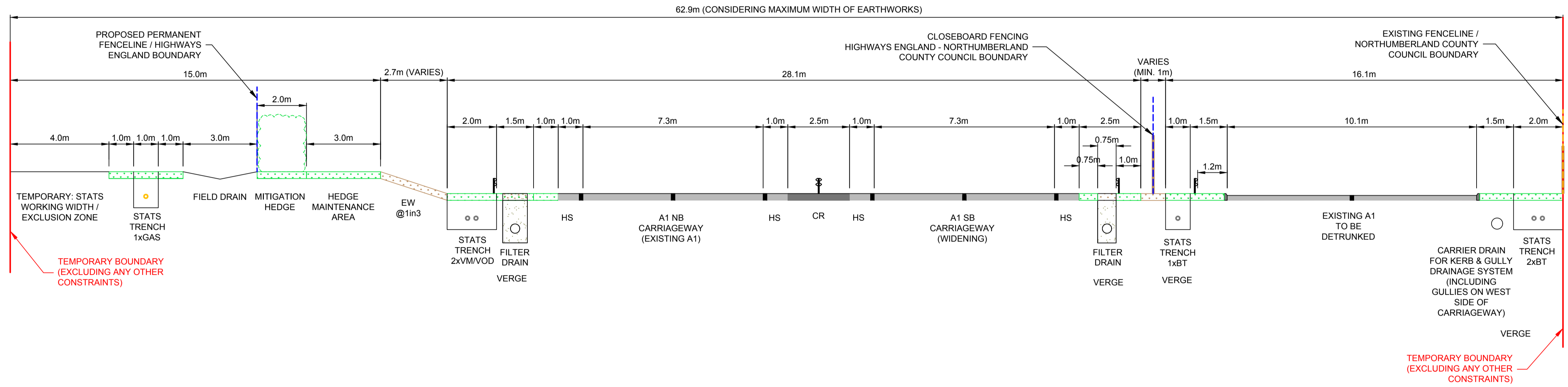
**highways
england**

Project Title		A1 IN NORTHUMBERLAND MORPETH TO FELTON			
Drawing Title		INDICATIVE CROSS SECTIONS SECTION 13			
Scale	Drawn	Eng. Check	Approved	Authorised	
NTS	DDN	MM	CH	DM	
Original Size	Date	Date	Date	Date	
A1	05/11/18	05/11/18	05/11/18	05/11/18	
Project Number	Originator	Volume	Revision		
HE551459	WSP	HGN	P01		
Section	Type	ID	Direction	Type	Role
			M2F DR	CH	1102
					Number

DO NOT SCALE

ONLINE - NORTH SECTION

CH 20010 - 20220



STATS	
●	TELECOMS - BT / VODAFONE / VIRGIN MEDIA
●	WATER MAIN
●	GAS MAIN
●	ELECTRICITY

NOTES - Assumptions:

Area 14 requirements

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- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

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Contractor

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Environmental

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- Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

FOR INFORMATION

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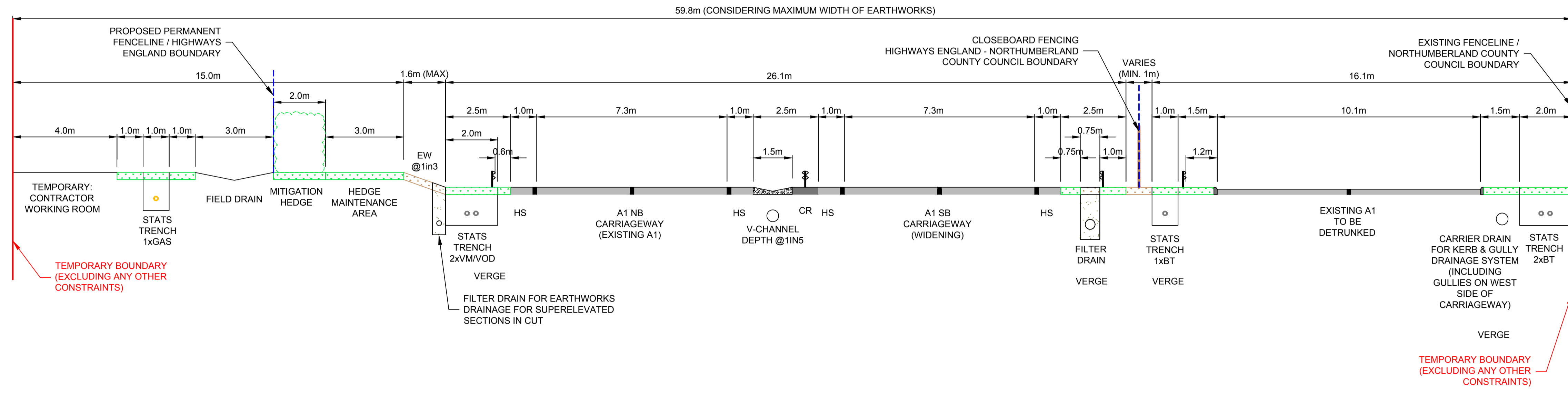
highways
england

Project Title		A1 IN NORTHUMBERLAND MORPETH TO FELTON			
Drawing Title		INDICATIVE CROSS SECTIONS SECTION 14			
Scale	Drawn	Eng. Check	Approved	Authorised	
NTS	DDN	MM	CH	DM	
Original Size	Date	Date	Date	Date	
A1	05/11/18	05/11/18	05/11/18	05/11/18	
Drawing Number	Project	Originator	Volume	Revision	
HE551459		WSP	HGN	P01	
Section	Type	ID	Direction	Type	Role
				1103	
				Number	

DO NOT SCALE

ONLINE - NORTH SECTION

CH 20220 - 20300



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES - Assumptions:

Area 14 requirements

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Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
- Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
- Field drain only shown where land drainage is required by the drainage team.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.

Contractor

- Haul road for offline section to be within footprint of new carriageway.
- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

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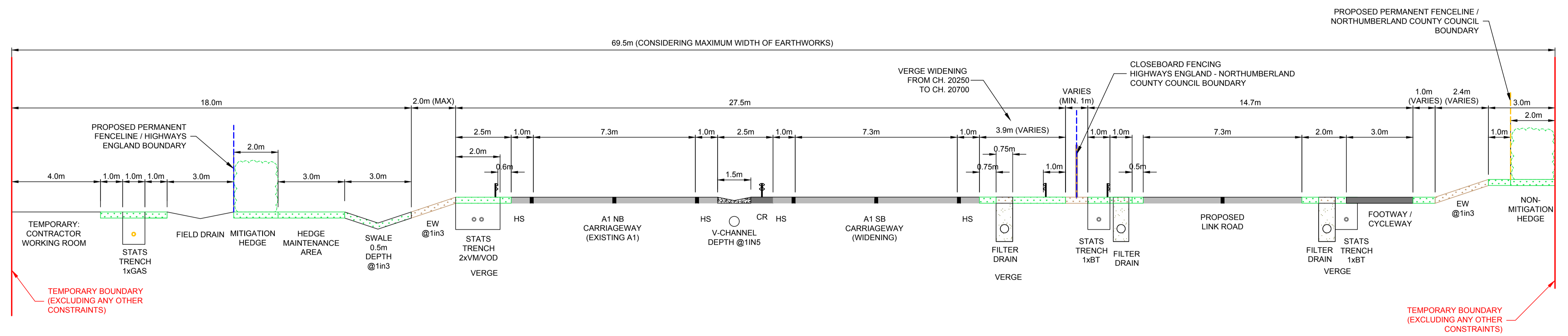
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Drawing Title		INDICATIVE CROSS SECTIONS SECTION 15			
Scale	Drawn	Eng. Check	Approved	Authorised	
NTS	DDN	MM	CH	DM	
Original Size	Date	Date	Date	Date	
A1	05/11/18	05/11/18	05/11/18	05/11/18	
Project	Originator	Volume	Revision		
HE551459	WSP	HGN	P01		
Section	Type	ID	Direction	Type	Role
			M2F	DR	CH
					1104
					Number

DO NOT SCALE

Millimetres

ONLINE - NORTH SECTION

CH 20300 - 20600



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

THE CURRENT DRAINAGE PROPOSAL FROM CH. 20310 TO 21550 ON THE PARALLEL LINK ROAD IS FOR FILTER DRAINS. THIS COULD BE AMENDED TO KERB AND GULLY OR COMBINED KERB DRAINAGE IF REQUIRED TO SUIT THE SHARED FOOTWAY/CYCLEWAY

NOTES - Assumptions:

<p>Area 14 requirements</p> <ul style="list-style-type: none"> - 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales). - 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc). - Filter drain located in front of safety barrier for maintenance purposes. <p>Safety Barrier</p> <ul style="list-style-type: none"> - Where required, verge safety barrier assumed at back of filter drain. - Maximum working width assumed W4 (<1.3m), unless stated otherwise. <p>Drainage requirements</p> <ul style="list-style-type: none"> - For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline. - Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements. - Field drain only shown where land drainage is required by the drainage team. 	<p>Signage</p> <ul style="list-style-type: none"> - A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required. <p>Stats requirements</p> <ul style="list-style-type: none"> - For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required. - In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench. <p>Contractor</p> <ul style="list-style-type: none"> - Haul road for offline section to be within footprint of new carriageway. - Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise. <p>Environmental</p> <ul style="list-style-type: none"> - Mitigation hedges required to be within highway boundary. - Non-mitigation hedges to be located in private land.
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Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH

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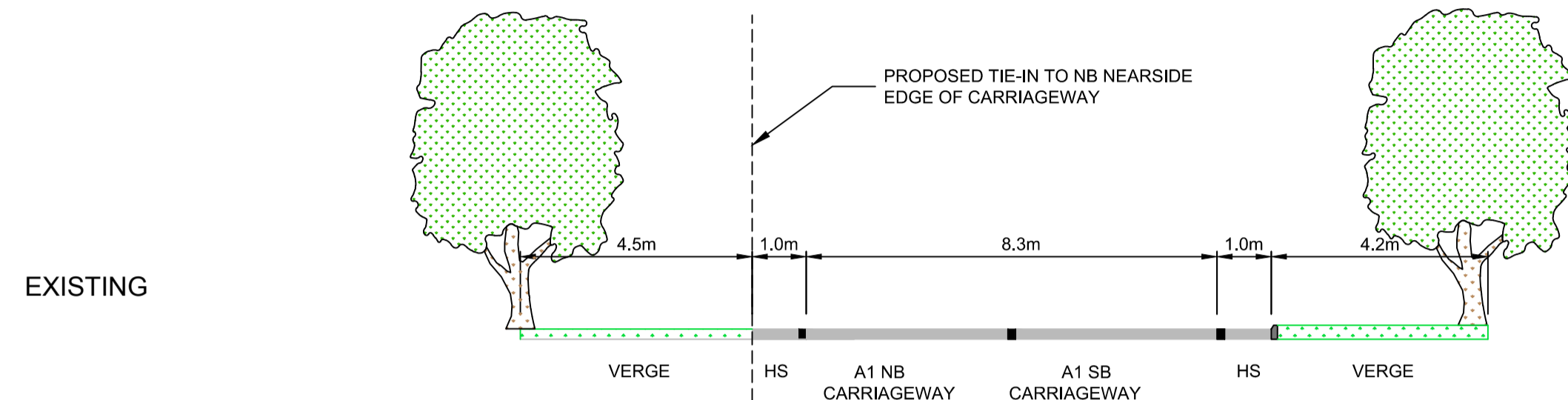
© WSP UK Ltd

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Drawing Title		INDICATIVE CROSS SECTIONS SECTION 16			
Scale	Drawn	Eng. Check	Approved	Authorised	
NTS	DDN	MM	CH	DM	
Original Size	Date	Date	Date	Date	
A1	05/11/18	05/11/18	05/11/18	05/11/18	
Project	Originator		Volume		Revision
HE551459	WSP		HGN		P01
Section	Type	ID	Direction	Type	Role
			M2F	DR	CH
					1105
					Number

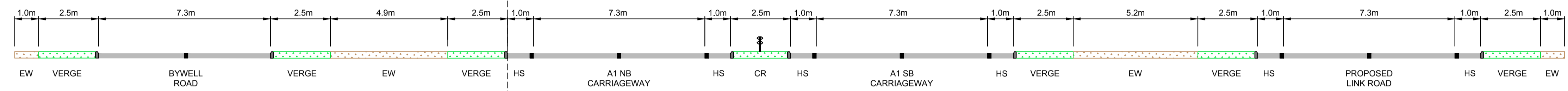
DO NOT SCALE

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0 10
Millimetres

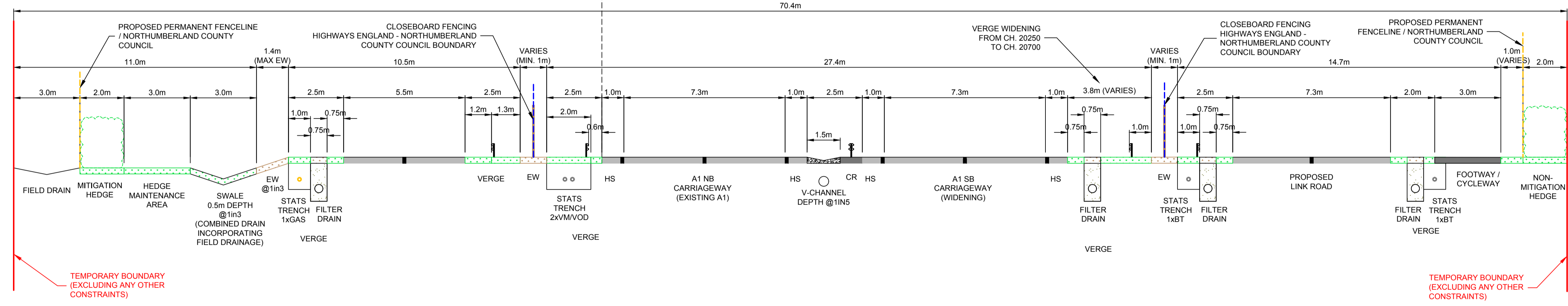
ONLINE - NORTH SECTION CH 20600 - 20750



STAGE 2
(JACOBS)



LATEST PROPOSED



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

THE CURRENT DRAINAGE PROPOSAL FROM CH. 20310 TO 21550 ON THE PARALLEL LINK ROAD IS FOR FILTER DRAINS. THIS COULD BE AMENDED TO KERB AND GULLY OR COMBINED KERB DRAINAGE IF REQUIRED TO SUIT THE SHARED FOOTWAY/CYCLEWAY

NOTES - Assumptions:

Area 14 requirements

- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
- 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fence line.
- Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
- Field drain only shown where land drainage is required by the drainage team.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.

Contractor

- Haul road for offline section to be within footprint of new carriageway.
- Permanent fence line (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

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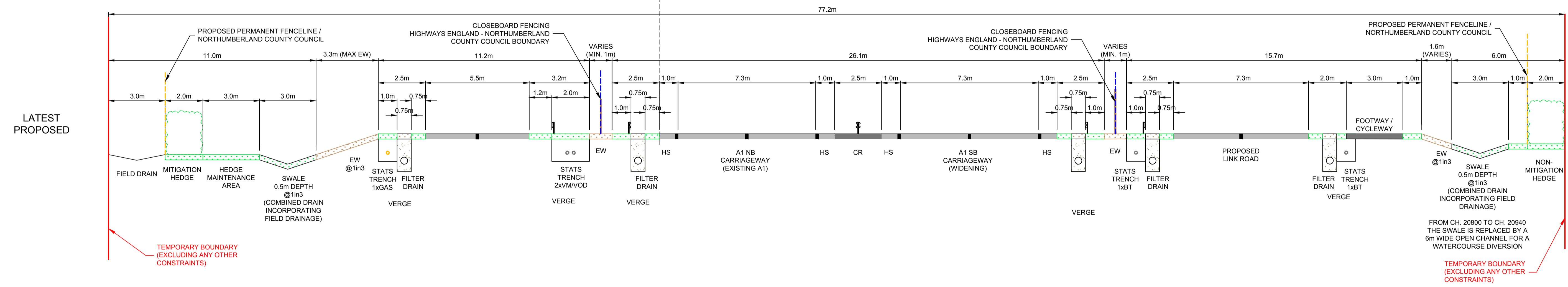
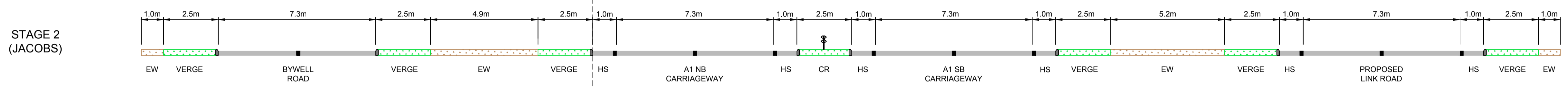
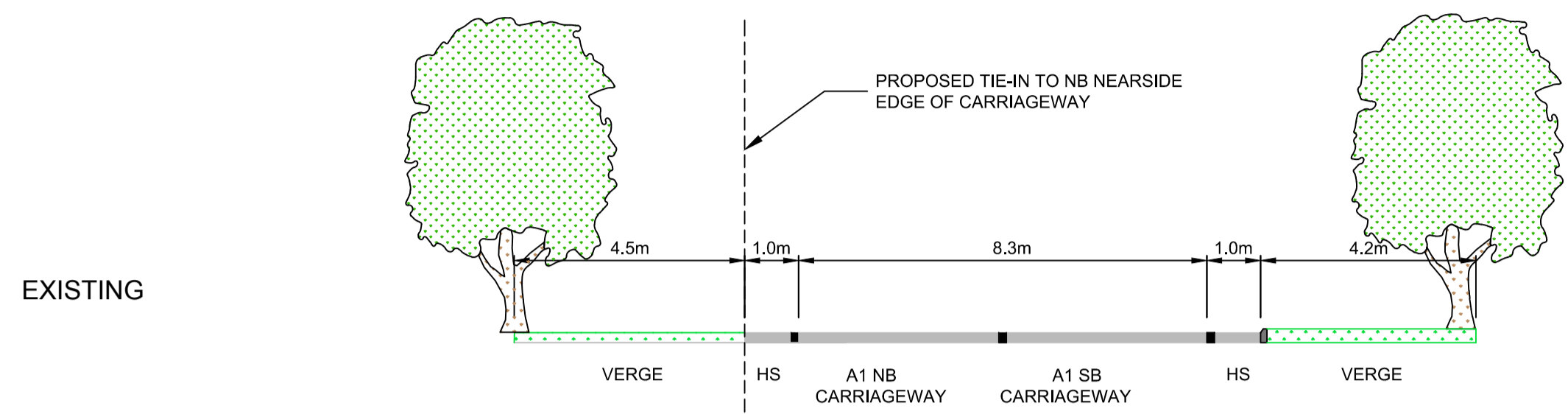
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FOR INFORMATION		S2		A1 IN NORTHUMBERLAND MORPETH TO FELTON	
Drawing Title					
INDICATIVE CROSS SECTIONS SECTION 17					
Scale	Drawn	Eng. Check	Approved	Authorised	
NTS	DDN	MM	CH	DM	
Original Size	Date	Date	Date	Date	Date
A1	05/11/18	05/11/18	05/11/18	05/11/18	05/11/18
Drawing Number		Originator		Volume	
HE551459		WSP		HGN	
Project		M2F DR		CH 1106	
Section		Type		ID	
		Direction		Role	
		Type		Number	
		ID		Revision	
				P01	
				PW Stage Code	

DO NOT SCALE

ONLINE - NORTH SECTION

CH 20750 - 21000

100
0 10
Millimetres



- STATS**
- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
 - WATER MAIN
 - GAS MAIN
 - ELECTRICITY

THE CURRENT DRAINAGE PROPOSAL FROM CH. 20310 TO 21550 ON THE PARALLEL LINK ROAD IS FOR FILTER DRAINS. THIS COULD BE AMENDED TO KERB AND GULLY OR COMBINED KERB DRAINAGE IF REQUIRED TO SUIT THE SHARED FOOTWAY/CYCLEWAY

NOTES - Assumptions:

Area 14 requirements

- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
- 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fence line.
- Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
- Field drain only shown where land drainage is required by the drainage team.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.

Contractor

- Haul road for offline section to be within footprint of new carriageway.
- Permanent fence line (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

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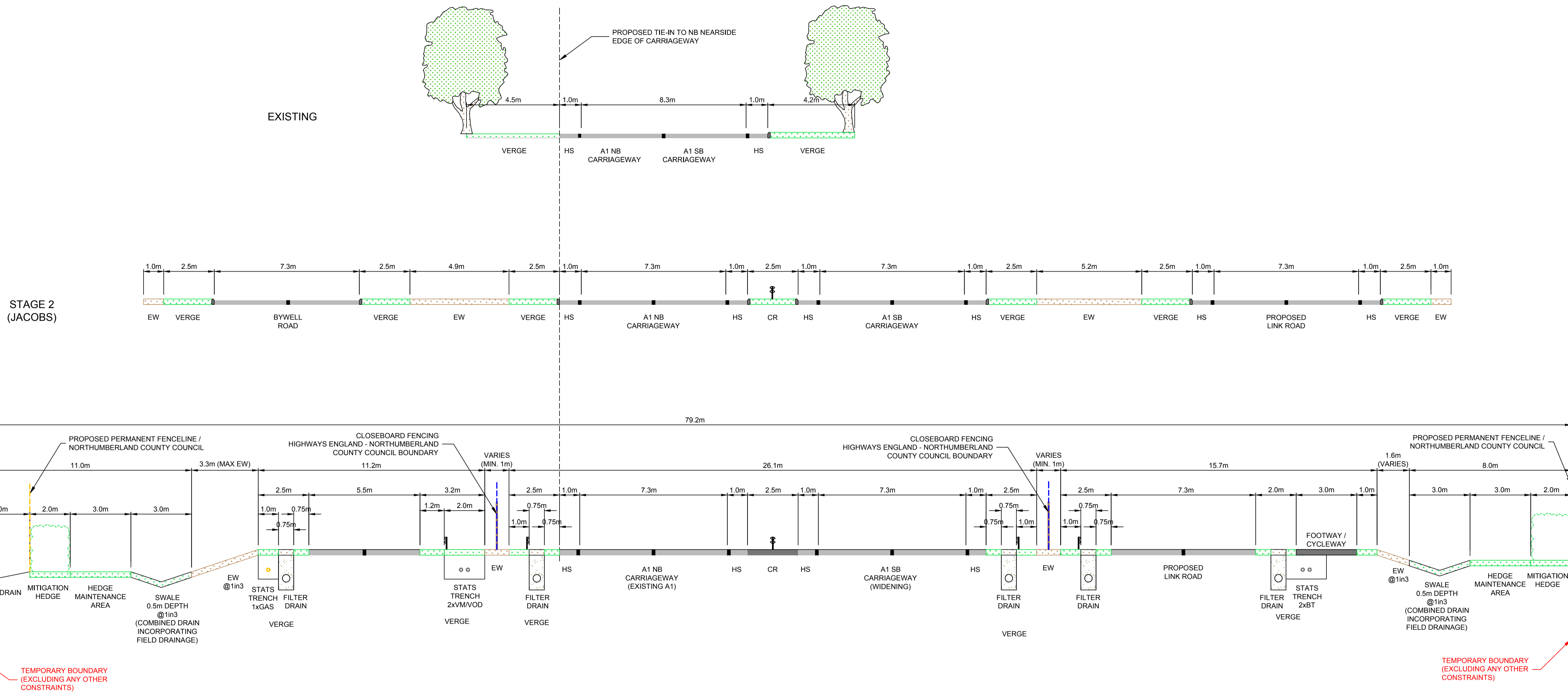
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Project Title		A1 IN NORTHUMBERLAND MORPETH TO FELTON			
Drawing Title		INDICATIVE CROSS SECTIONS SECTION 18			
Scale	Drawn	Eng. Check	Approved	Authorised	
NTS	DDN	MM	CH	DM	
Original Size	Date	Date	Date	Date	
A1	05/11/18	05/11/18	05/11/18	05/11/18	
Project	Volume		Revision		
HE551459	WSP HGN		P01		
Section	Type	ID	Direction	Type	Role
			M2F DR	CH	1107

DO NOT SCALE

100
0 10
Millimetres

ONLINE - NORTH SECTION CH 21000 - 21400



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

THE CURRENT DRAINAGE PROPOSAL FROM CH. 20310 TO 21550 ON THE PARALLEL LINK ROAD IS FOR FILTER DRAINS. THIS COULD BE AMENDED TO KERB AND GULLY OR COMBINED KERB DRAINAGE IF REQUIRED TO SUIT THE SHARED FOOTWAY/CYCLEWAY

NOTES - Assumptions:

Area 14 requirements

- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
- 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
- Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
- Field drain only shown where land drainage is required by the drainage team.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.

Contractor

- Haul road for offline section to be within footprint of new carriageway.
- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

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Project Title		A1 IN NORTHUMBERLAND MORPETH TO FELTON			
Drawing Title		INDICATIVE CROSS SECTIONS SECTION 19			
Scale	Drawn	Eng. Check	Approved	Authorised	
NTS	DDN	MM	CH	DM	
Original Size	Date	Date	Date	Date	
A1	05/11/18	05/11/18	05/11/18	05/11/18	
Drawing Number	Project	Originator	Volume	Revision	
HE551459		WSP	HGN	P01	
Section	Type	ID	Direction	Type	Role

DO NOT SCALE

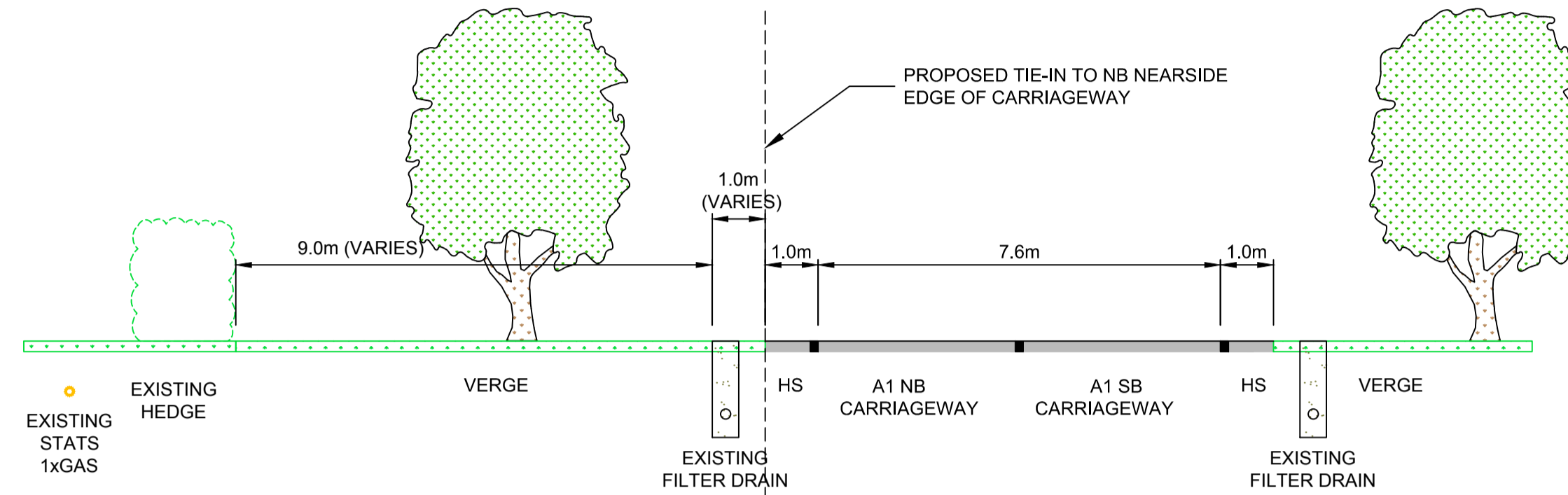
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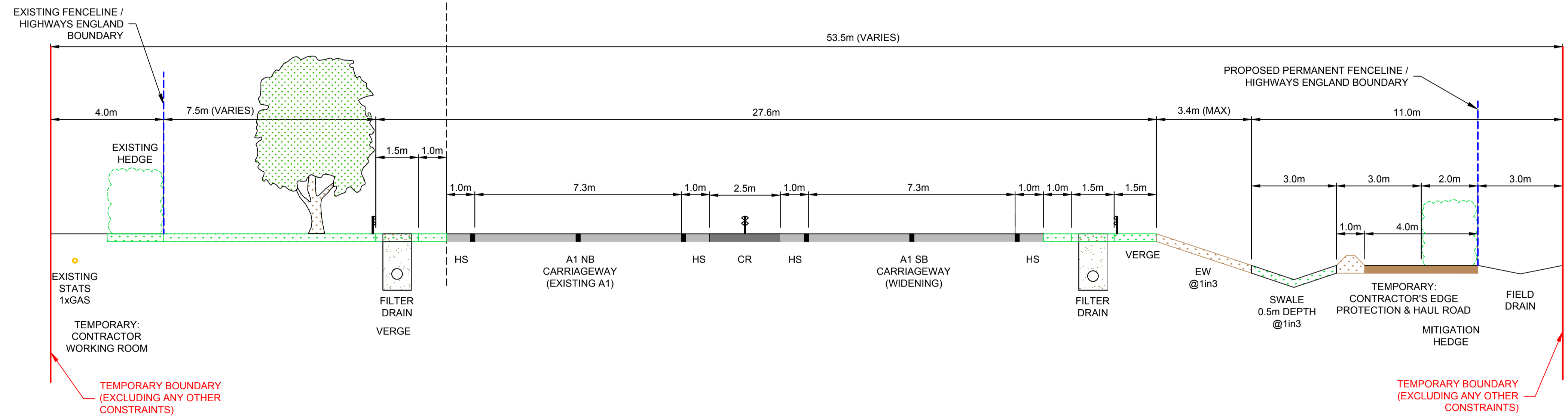
ONLINE - NORTH SECTION

CH 21750 - 21900

EXISTING



PROPOSED



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES - Assumptions:

- Area 14 requirements**
 - 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
 - 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
 - Filter drain located in front of safety barrier for maintenance purposes.
- Safety Barrier**
 - Where required, verge safety barrier assumed at back of filter drain.
 - Maximum working width assumed W4 (<1.3m), unless stated otherwise.
- Drainage requirements**
 - For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fence line.
 - Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
 - Field drain only shown where land drainage is required by the drainage team.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.

Contractor

- Haul road for offline section to be within footprint of new carriageway.
- Permanent fence line (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

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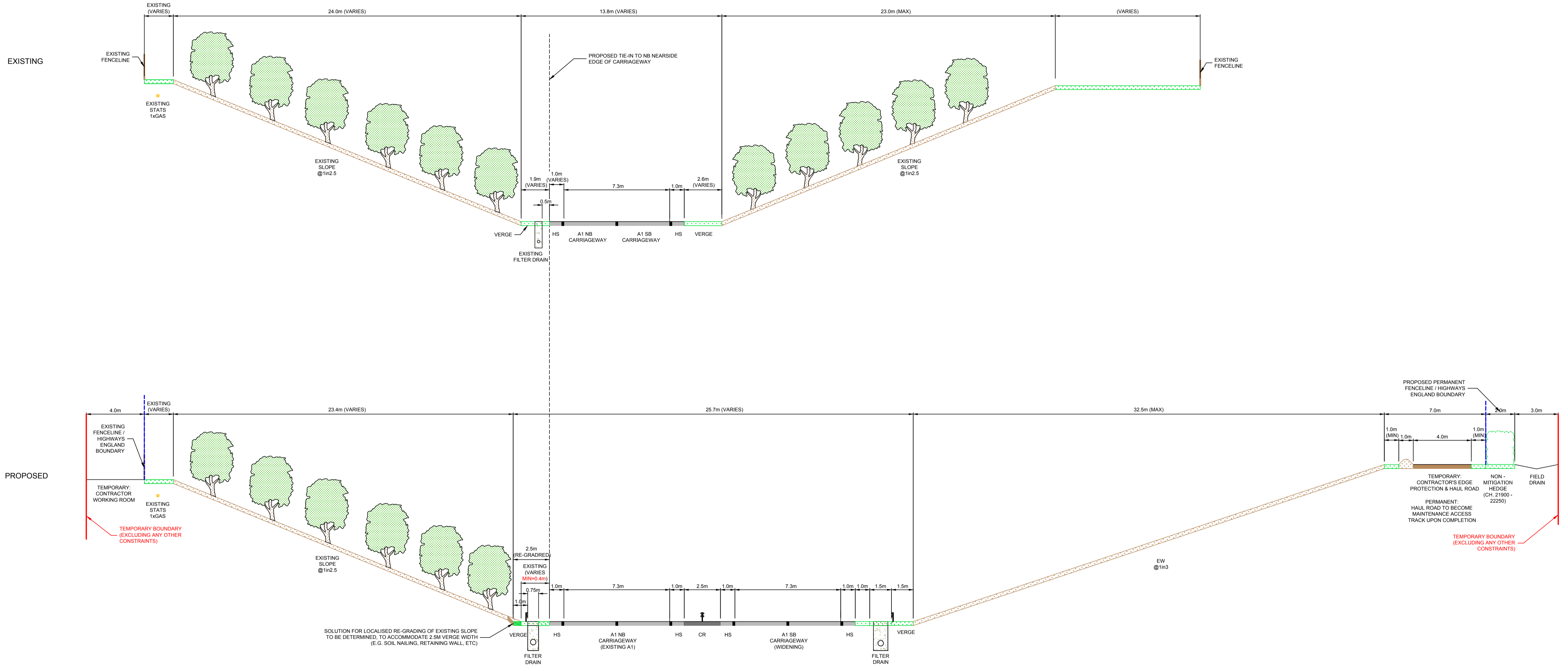
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Drawing Title		INDICATIVE CROSS SECTIONS SECTION 20			
Scale	Drawn	Eng. Check	Approved	Authorised	
NTS	DDN	MM	CH	DM	
Original Size	Date	Date	Date	Date	Date
A1	05/11/18	05/11/18	05/11/18	05/11/18	05/11/18
Project	Originator		Volume		Revision
HE551459	WSP		HGN		P01
Section	Type	ID	Direction	Type	Role
			M2F	DR	CH
					1109
					Number

DO NOT SCALE

Millimetres

ONLINE - NORTH SECTION

CH 21900 - 22300
CH 23290 - 23600



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES - Assumptions:

Area 14 requirements

- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
- 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fence line.
- Where the carriageway is in cutting and super-elevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
- Field drain only shown where land drainage is required by the drainage team.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.

Contractor

- Haul road for offline section to be within footprint of new carriageway.
- Permanent fence line (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

FOR INFORMATION		S2		Project Title A1 IN NORTHUMBERLAND MORPETH TO FELTON			
		Queen Street Manchester M2 5JB, UK T+ 44 (0) 161 832 4542 wsp.com		Drawing Title INDICATIVE CROSS SECTIONS SECTION 21			
Scale	Drawn	Eng. Check	Approved	Authorised			
NTS	DDN	MM	CH	DM			
Original Size	Date	Date	Date	Date	Date		
A1	05/11/18	05/11/18	05/11/18	05/11/18	05/11/18		
Drawing Number HE551459		Originator WSP		Volume HGN		Revision P01	
Section		Type		ID		PW Stage Code	
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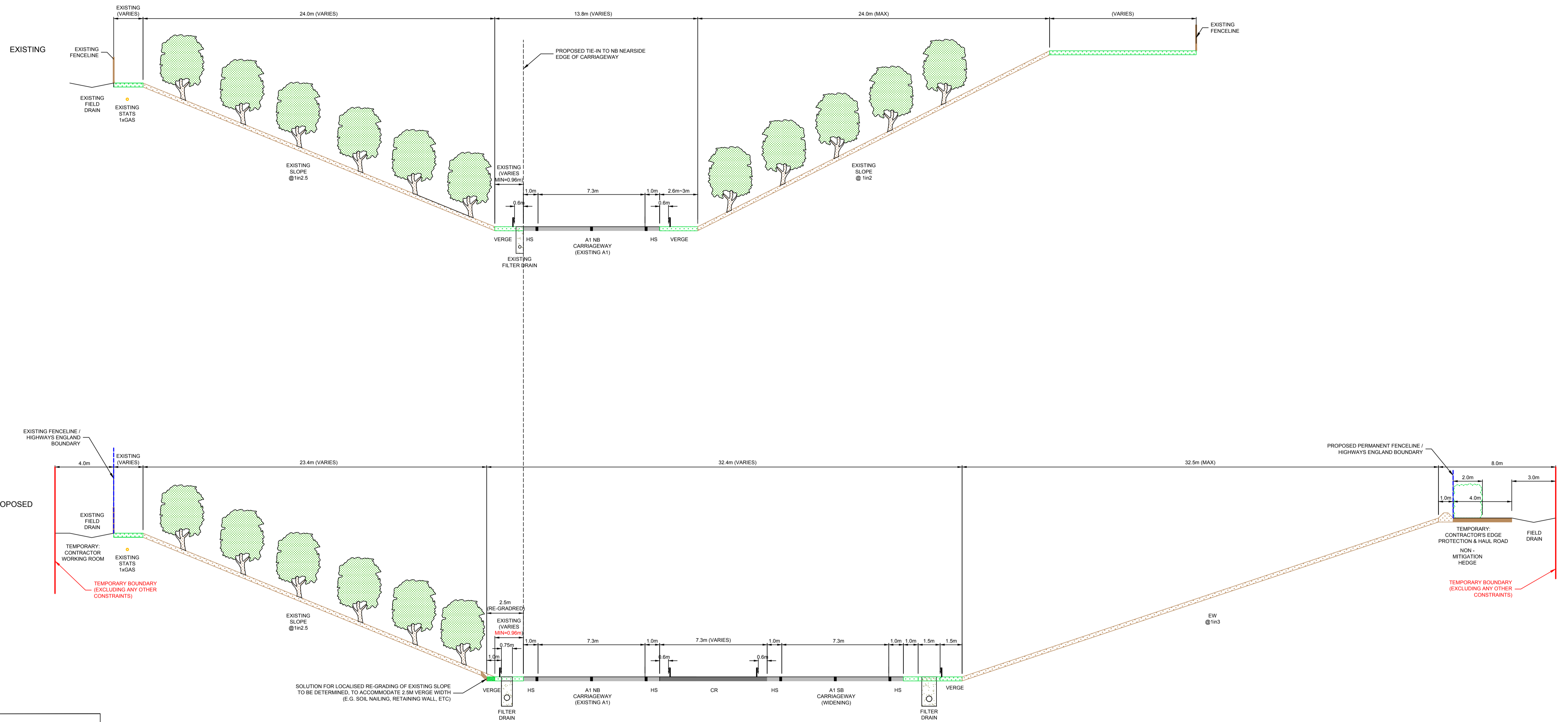
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Millimetres
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ONLINE - NORTH SECTION

CH 22300 - 22475

CH 22700 - 22900



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES - Assumptions:

Area 14 requirements

- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
- 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fence line.
- Where the carriageway is in cutting and super-elevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
- Field drain only shown where land drainage is required by the drainage team.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.

Contractor

- Haul road for offline section to be within footprint of new carriageway.
- Permanent fence line (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

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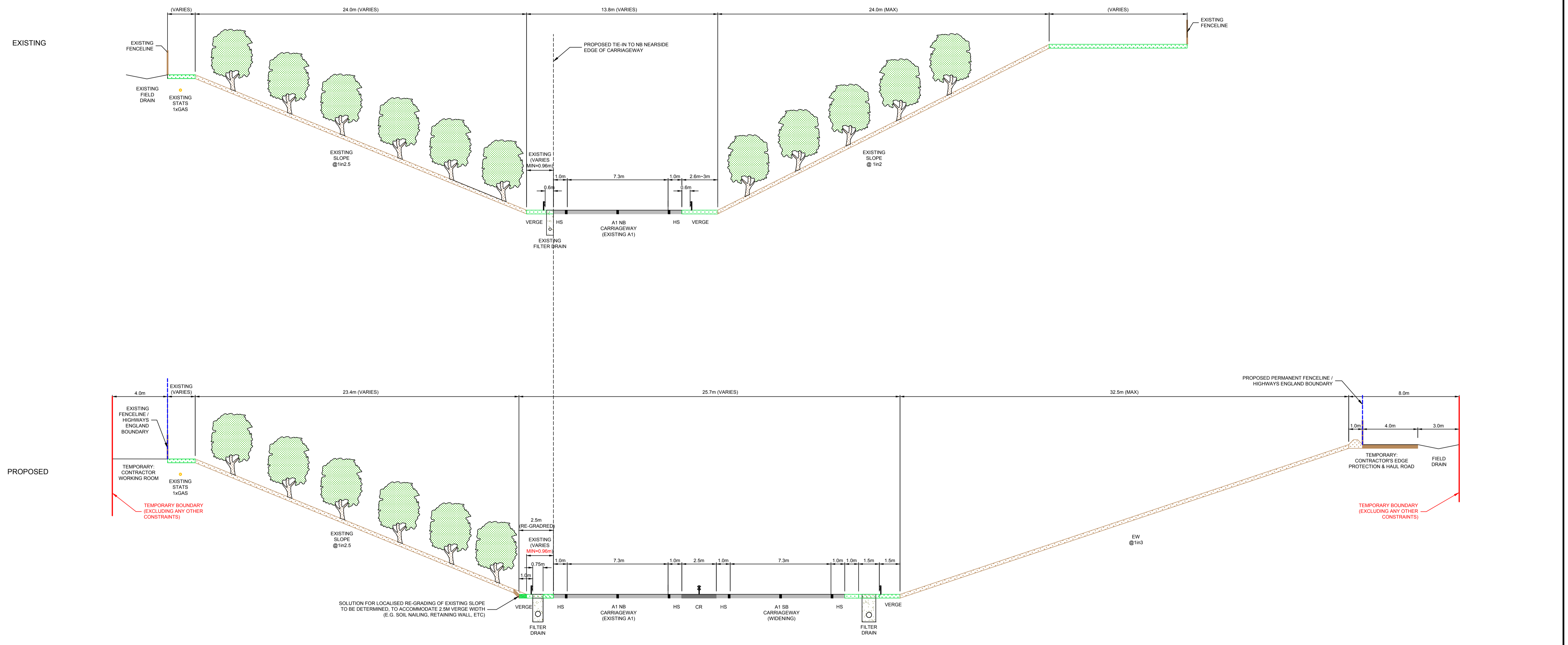
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Drawing Title		INDICATIVE CROSS SECTIONS SECTION 22			
Scale	Drawn	Eng. Check	Approved	Authorised	
NTS	DDN	MM	CH	DM	
Original Size	Date	Date	Date	Date	
A1	05/11/18	05/11/18	05/11/18	05/11/18	
Drawing Number	Project	Originator	Volume	Revision	
HE551459		WSP	HGN	P01	
Section	Type	ID	Direction	Type	Role
			M2F	DR	CH 1111

DO NOT SCALE

Millimetres

ONLINE - NORTH SECTION

CH 22900 - 23080



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES - Assumptions:

Area 14 requirements

- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
- 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fence line.
- Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
- Field drain only shown where land drainage is required by the drainage team.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.

Contractor

- Haul road for offline section to be within footprint of new carriageway.
- Permanent fence line (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

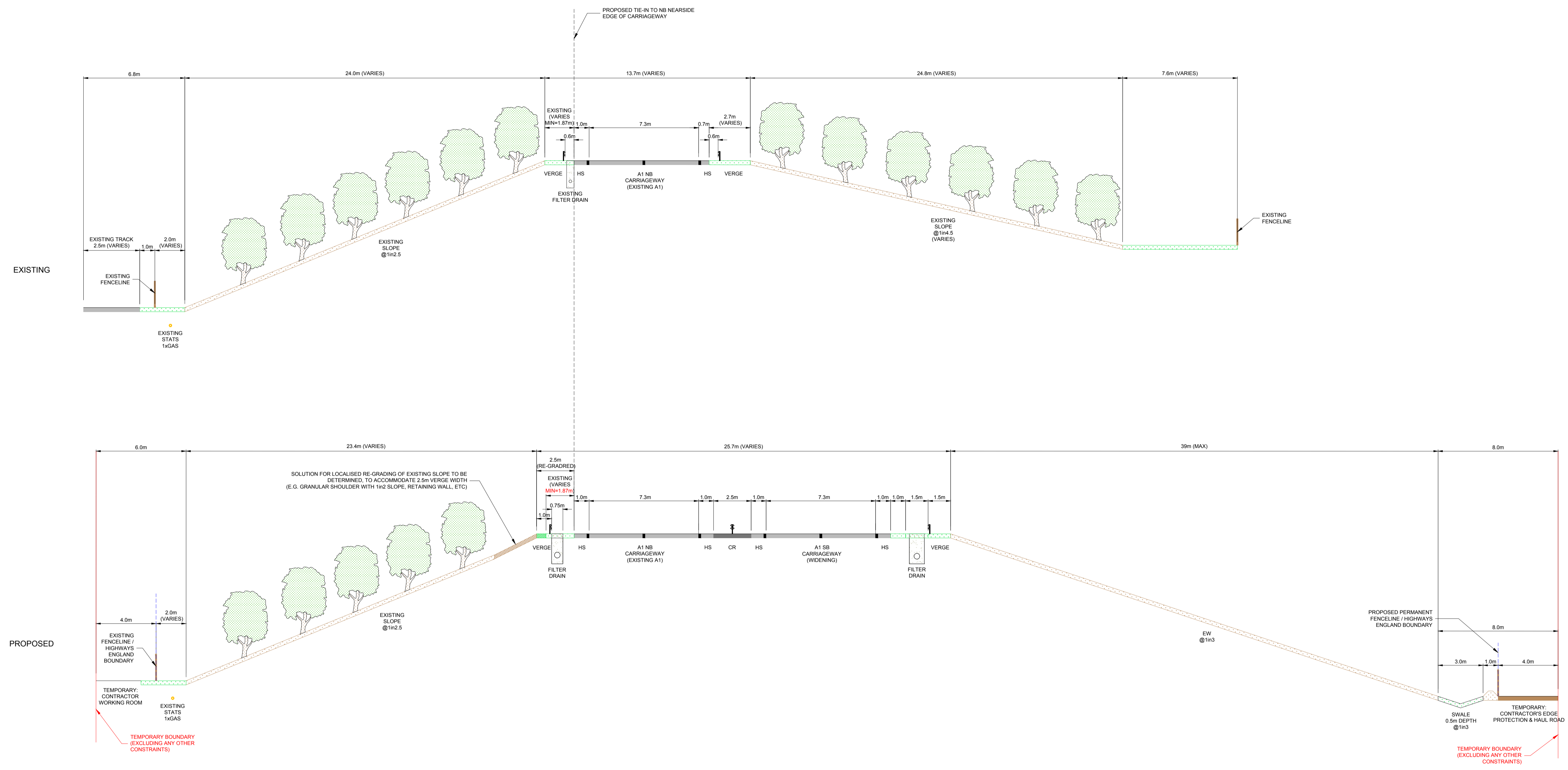
Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd	
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH	DM

FOR INFORMATION		S2		Project Title		A1 IN NORTHUMBERLAND MORPETH TO FELTON	
Queen Street Manchester M2 5JB, UK T+ 44 (0) 161 832 4542 wsp.com				Drawing Title INDICATIVE CROSS SECTIONS SECTION 23			
Scale	Drawn	Eng. Check	Approved	Authorised			
NTS	DDN	MM	CH	DM			
Original Size	Date	Date	Date	Date			
A1	05/11/18	05/11/18	05/11/18	05/11/18			
Drawing Number		Originator		Volume		Revision	
HE551459		WSP		HGN		P01	
Project		Disc' Chk		Type		PW Stage Code	
		M2F		DR		1112	
Section		Type		Role		Number	
				CH		1112	

DO NOT SCALE

Millimetres
0 10 100

ONLINE - NORTH SECTION CH 23080 - 23290



STATS

- TELECOMS - BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES - Assumptions:

Area 14 requirements

- 3m clearance at the back of any earthwork slopes for hedge maintenance where within highway boundary (not including swales).
- 1m minimum clearance from swale/earthworks to fixed assets (fence, lighting column, VRS, sign posts, etc).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
- Where the carriageway is in cutting and superelevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.
- Field drain only shown where land drainage is required by the drainage team.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.

Contractor

- Haul road for offline section to be within footprint of new carriageway.
- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Environmental

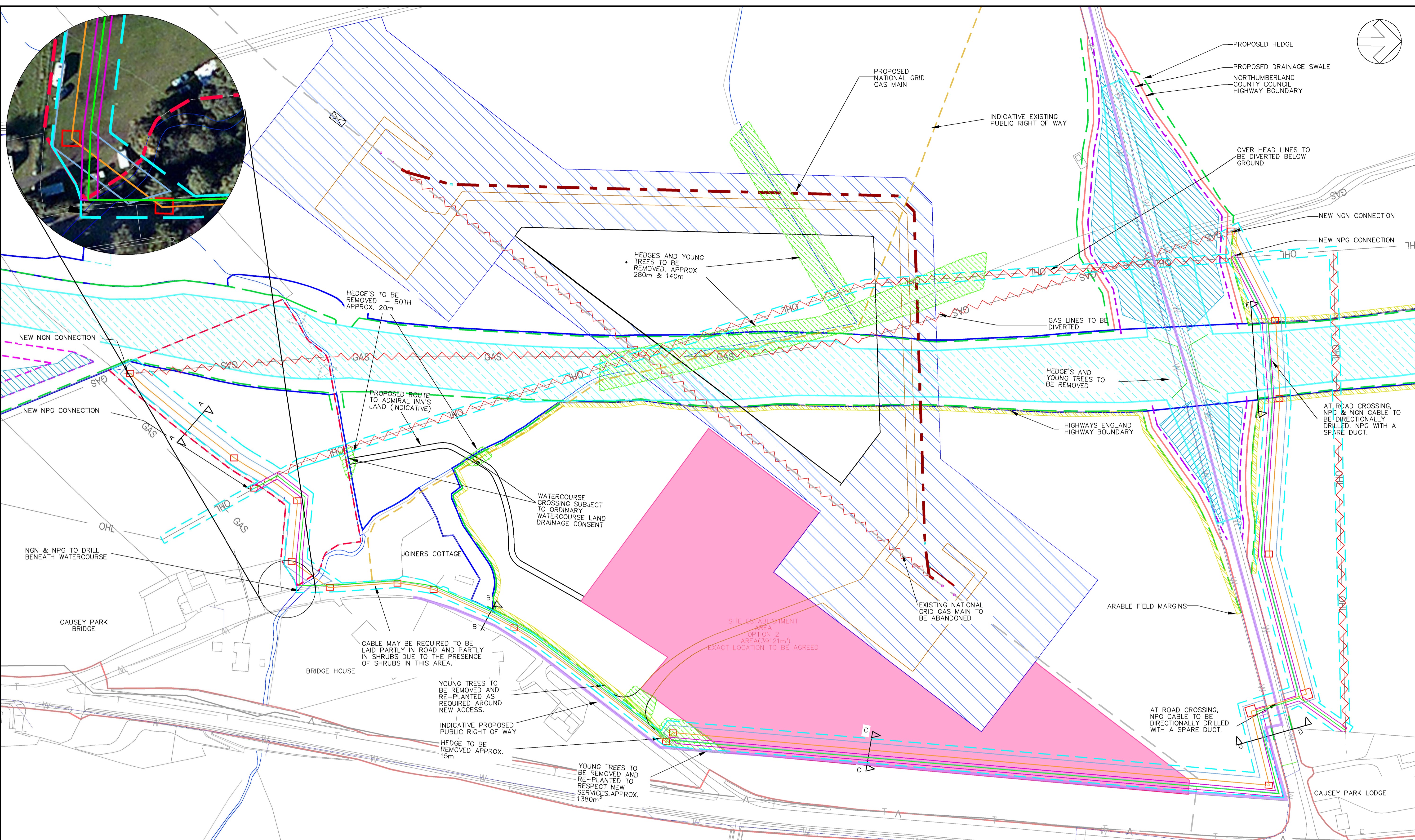
- Mitigation hedges required to be within highway boundary.
- Non-mitigation hedges to be located in private land.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

FOR INFORMATION		S2	Project Title A1 IN NORTHUMBERLAND MORPETH TO FELTON			
		Queen Street Manchester M2 5JB, UK T+ 44 (0) 161 832 4542 wsp.com		Drawing Title INDICATIVE CROSS SECTIONS SECTION 24		
Scale	Drawn	Eng. Check	Approved	Authorised		
NTS	DDN	MM	CH	DM		
Original Size	Date	Date	Date	Date	Date	
A1	05/11/18	05/11/18	05/11/18	05/11/18	05/11/18	
Project	Originator		Volume		Revision	
HE551459	WSP		HGN		P01	
Section	Type	ID	Direction	Type	Role	
			M2F DR	CH	1113	

DO NOT SCALE

Millimetres
0 10 100



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 - ALL DIMENSIONS ARE TO BE CHECKED ON SITE.
 - NORTHERN GAS NETWORK & NORTHERN POWERGRID ARE TO CONFIRM PIPE/CABLE BENDING RADIUS
 - IT IS ASSUMED NORTHERN GAS WILL BE DIRECTIONALLY DRILLING FOR THE NEW LENGTH OF PIPE IN ITS ENTIRETY.

KEY:

	PROPOSED NORTHERN POWERGRID DIVERSION WITH 2m EASEMENT		PROPOSED DRAINAGE SWALE
	PROPOSED NORTHERN GAS NETWORK DIVERSION WITH 5m EASEMENT		PROPOSED HEDGE
	PROPOSED WORKING AREA		PROPOSED ENVIRONMENTAL MITIGATION EARTHWORKS
	ASSETS TO BE REMOVED / MADE REDUNDANT		PROPOSED ARABLE FIELD MARGIN
	DRILL BOX		PROPOSED HIGHWAYS ENGLAND HIGHWAY BOUNDARY
	AREAS OF VEGETATION TO BE REMOVED (AREAS SHOWN ARE INDICATIVE, TAKEN FROM SATELLITE IMAGERY)		PROPOSED NORTHUMBERLAND COUNTY COUNCIL HIGHWAY BOUNDARY

Rev.	Date	Description	By	Eng'g	Dir'g	App'r
P05	16.09.19	UPDATED NGN DIVERSION ROUTE AROUND ADMIRAL INNS LAND	RF	NM	NM	CJ
P04	01/03/19	REVISED WORKING AREAS AROUND 1050NB PIPE DIVERSION	RF	NM	NM	CJ
P03	18/10/19	REMOVAL OF SOIL MOUNDS & INCLUSION OF DRAINAGE SWALE	RF	PWW	NM	CJ
P02	18/12/18	ENVIRONMENTAL MITIGATION EARTHWORKS ADDED	RF	NM	NM	CJ
P01	07/12/18	AMENDMENTS TO PROPOSED ACCESS TO ADMIRAL INNS LAND	RF	NM	NM	CJ

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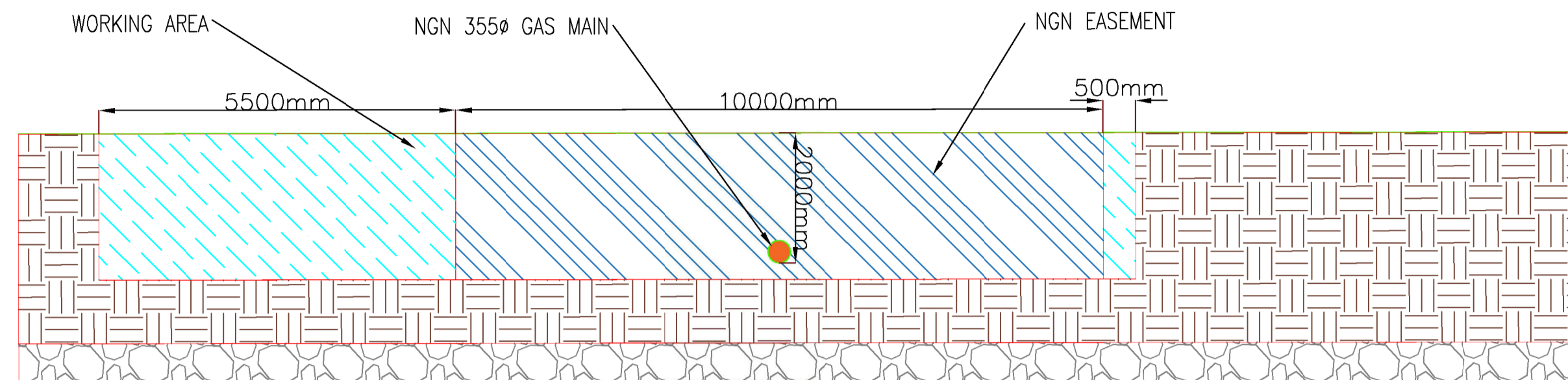
highways england

Subsidiary		Status	Project Title		
FOR INFORMATION		S2	A1 IN NORTHUMBERLAND MORPETH TO FELTON		
Drawing Title		A1 IN NORTHUMBERLAND (CAUSEY PARK) DIVERSIONS - LAYOUT SHEET 1 OF 2			
Scale	Drawn	Eng. Check	Approved	Authorised	
1:1250	R.FOWKES	N.MACDONALD	M.DAWSON	C.JOHNSON	
Original Size	Date	Date	Date	Date	
A1	20/11/18	20/11/18	20/11/2018	20/11/2018	
Drawing Number	Project	Originator	Volume	Revisor	
HE551459		WSP	VUT	P05	
Section	Type	Direction	Type	Role	Number
				M2F DR	CU 1640
				PW Stage Code	PWDSC

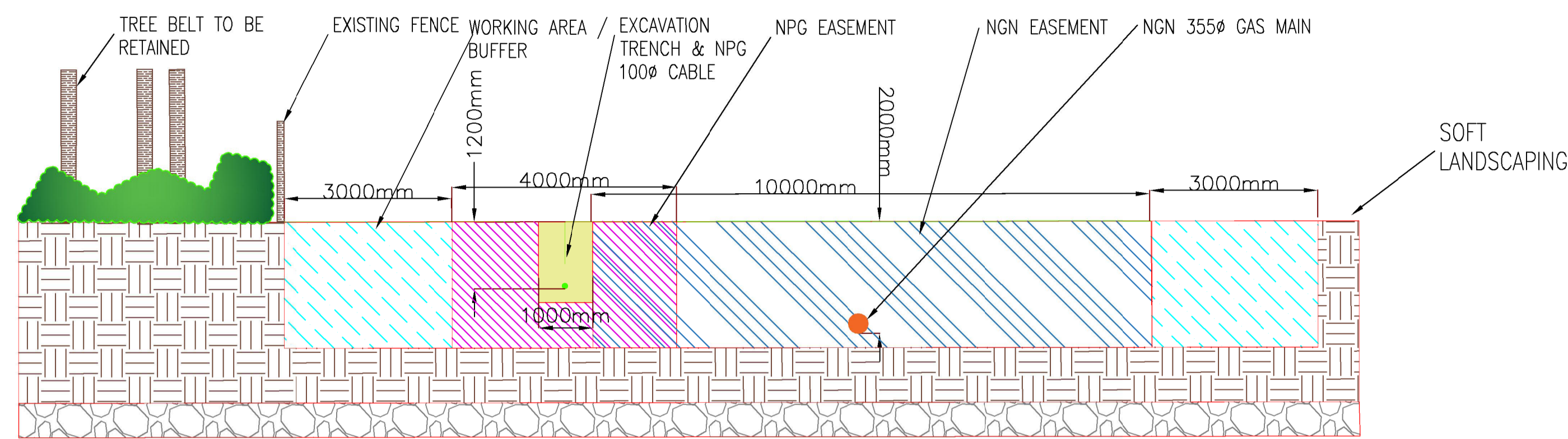
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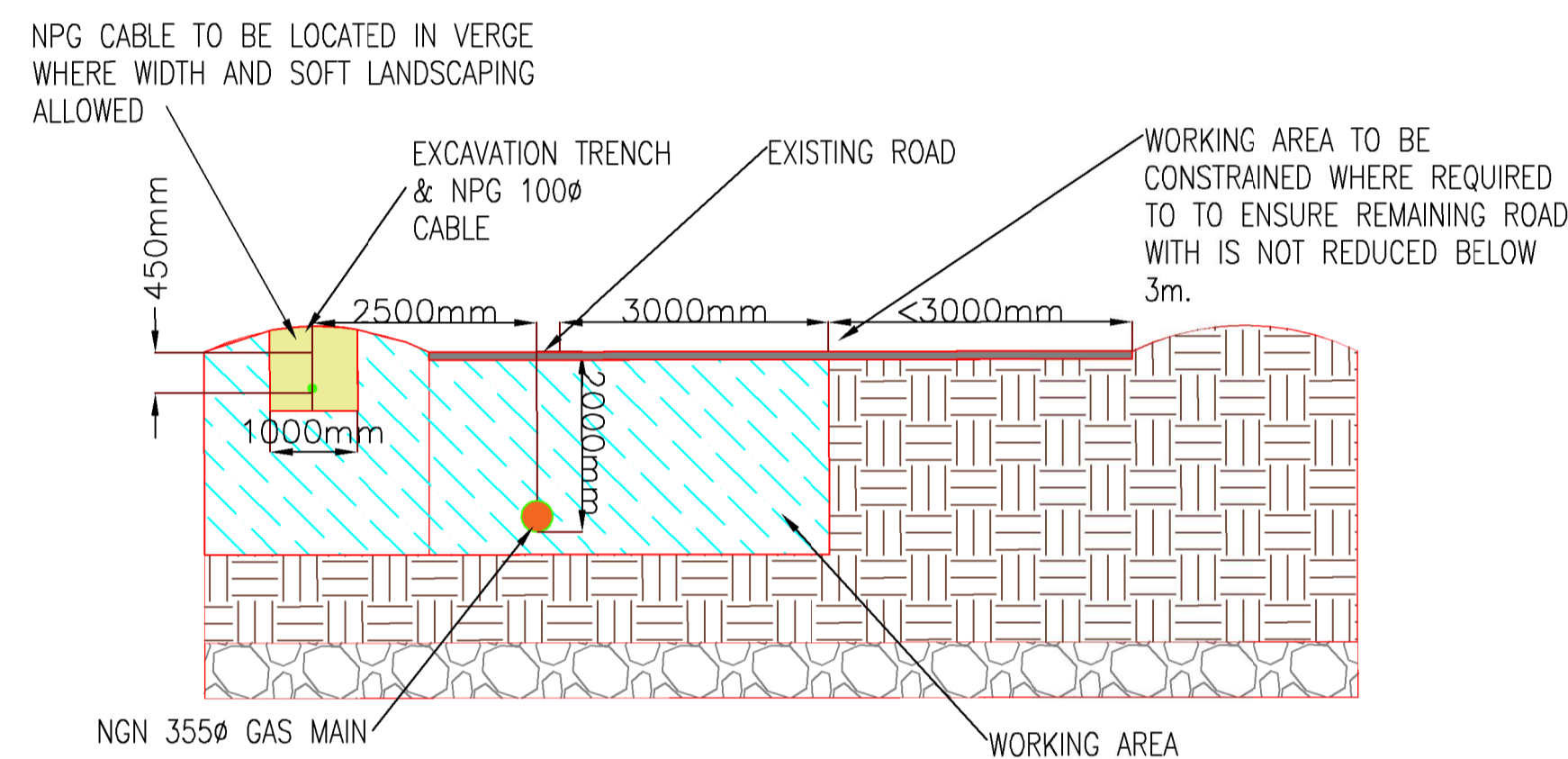
SECTION A-A



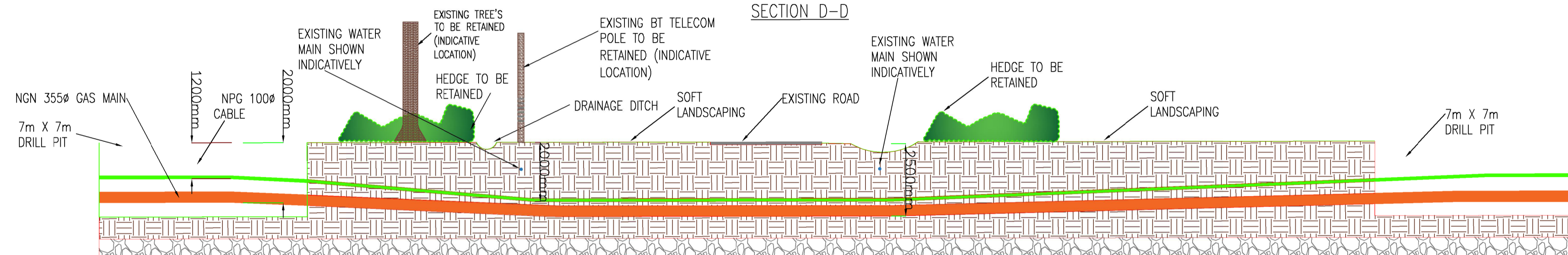
SECTION C-C



SECTION B-B

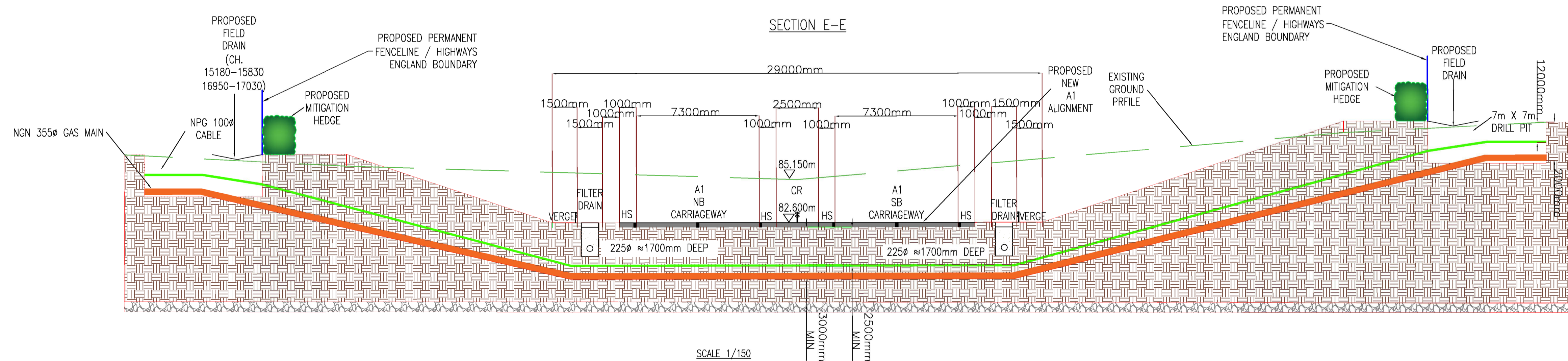


SECTION D-D



SCALE 1/100

SECTION E-E



SCALE 1/150

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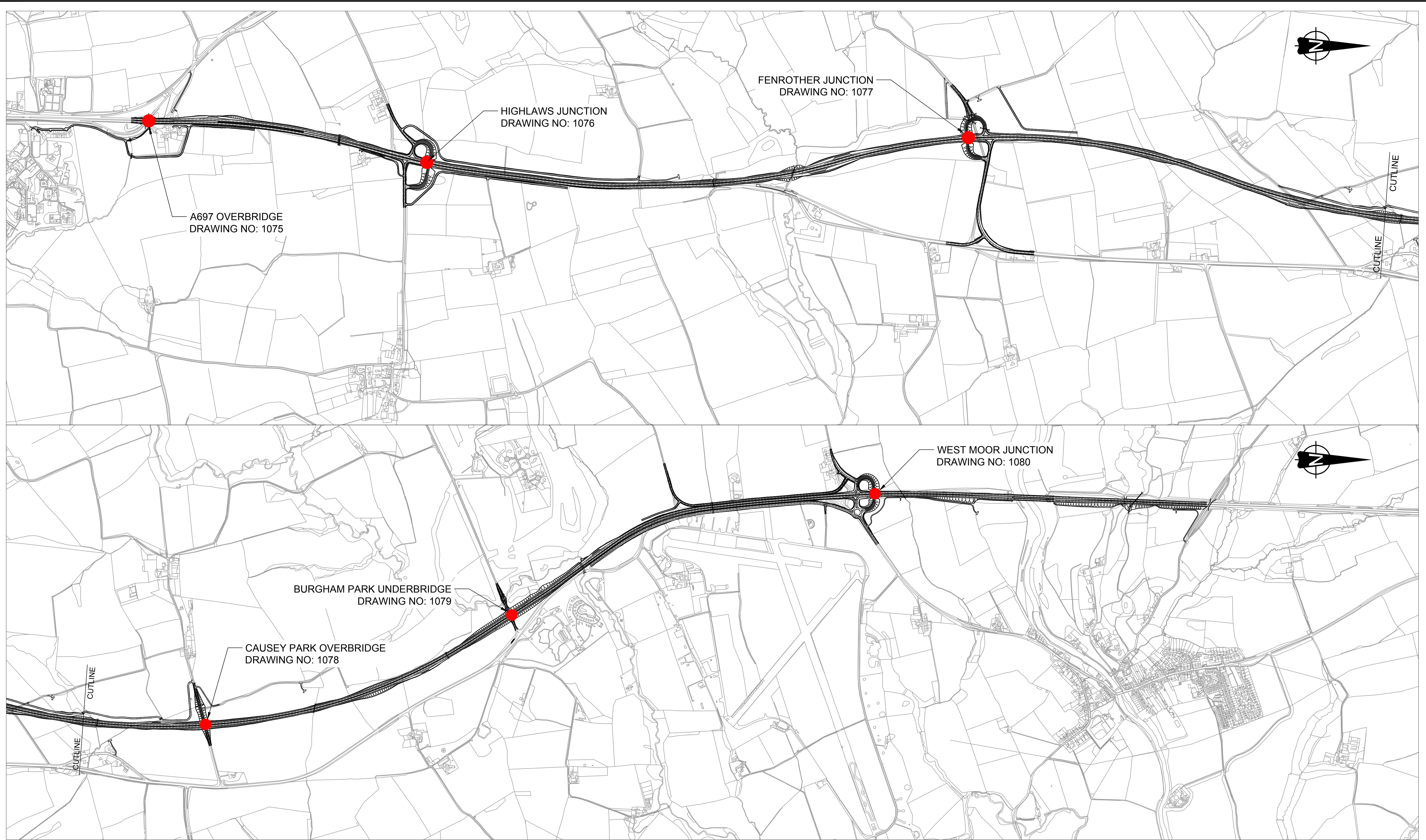
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- IT IS ASSUMED NORTHERN GAS WILL BE DIRECTIONALLY DRILLING FOR THE NEW LENGTH OF PIPE IN ITS ENTIRETY.
- THE DEPTH OF EASEMENTS ON THESE SECTIONS IS SHOWN AT 250mm BELOW THE INVERT LEVEL OF PIPES/CABLES FOR ILLUSTRATIVE PURPOSES ONLY.
- DIMENSIONS OF ABOVE GROUND CONSTRAINTS SUCH AS TREES & HEDGES ARE NOT TO SCALE

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P02	16.09.19	SECTION 'A' UPDATED TO REFLECT CHANGES TO LAYOUT	RF	NM	NM	CJ
P01	21/11/2018	FIRST ISSUE	RF	NM	NM	CJ

Subsidiary	FOR INFORMATION	Status	S2	Project Title	A1 IN NORTHUMBERLAND MORPETH TO FELTON							
<p>Queen Street Manchester M2 5JB, UK T+ 44 (0) 161 832 4542 wsp.com</p>				Drawing Title	<p>NPG & NGN A1 IN NORTHUMBERLAND (CAUSEY PARK) DIVERSIONS - SECTIONS SHEET 2 OF 2</p>							
© WSP UK Ltd	Client	highways england	Scale	1:75 or as noted	Drawn	R.FOWKES	Eng. Check	N.MACDONALD	Approved	M.DAWSON	Authorised	C.JOHNSON
			Original Size	A1	Date	20/11/18	Date	20/11/18	Date	20/11/2018	Date	20/11/2018
			Drawing Number	HE551459	Originator	WSP	Volume	VUT	Revised	P02	PW Stage Code	
			Section	M2F	DR	CU	1641	Number			PWDC	

DO NOT SCALE
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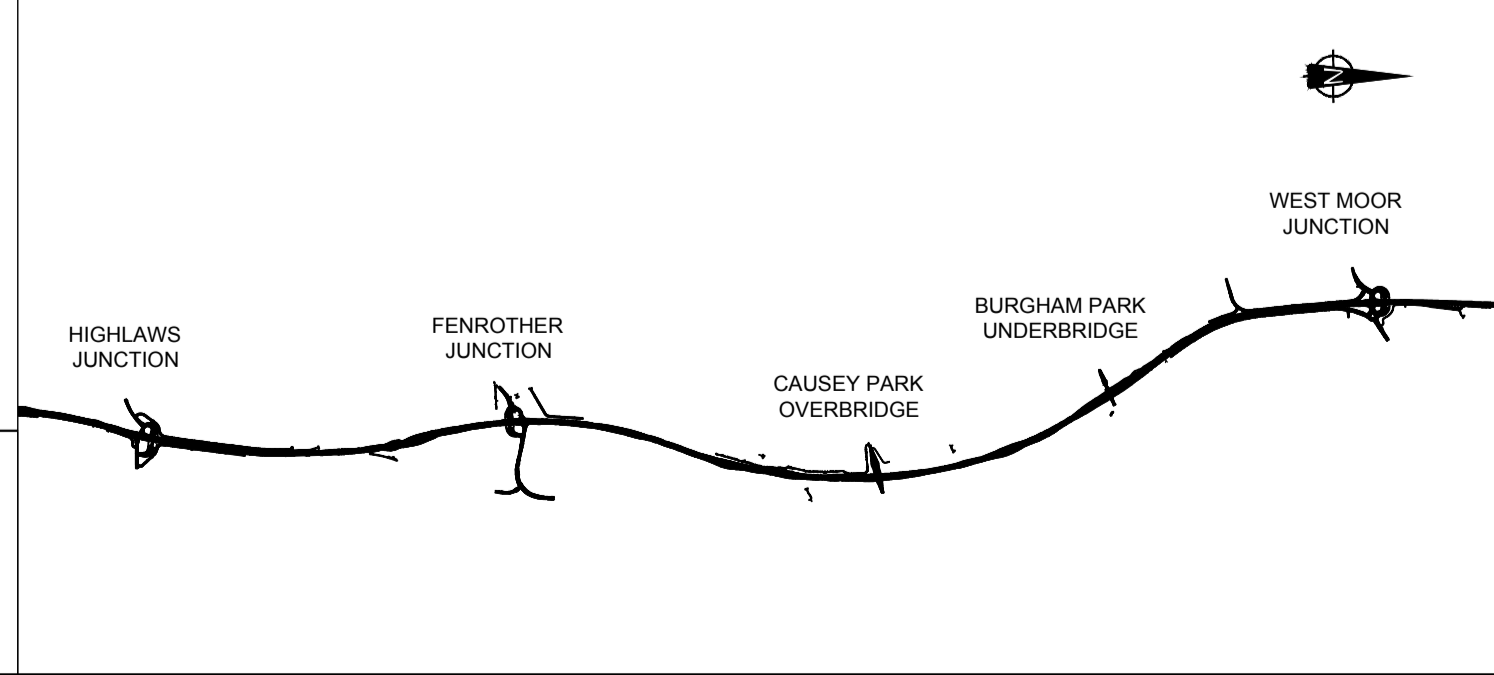


PLAN KEY

- LOCATION OF CROSS SECTION
- PROPOSED A1 ALIGNMENT

NOTES

1. For Indicative Cross Sections, see drawings: HE551459-WSP-HGN-M2F-DR-CH-1089 to 1113



Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO	DDN	MM	CH	DM

Suitability: FOR INFORMATION

Status: S2

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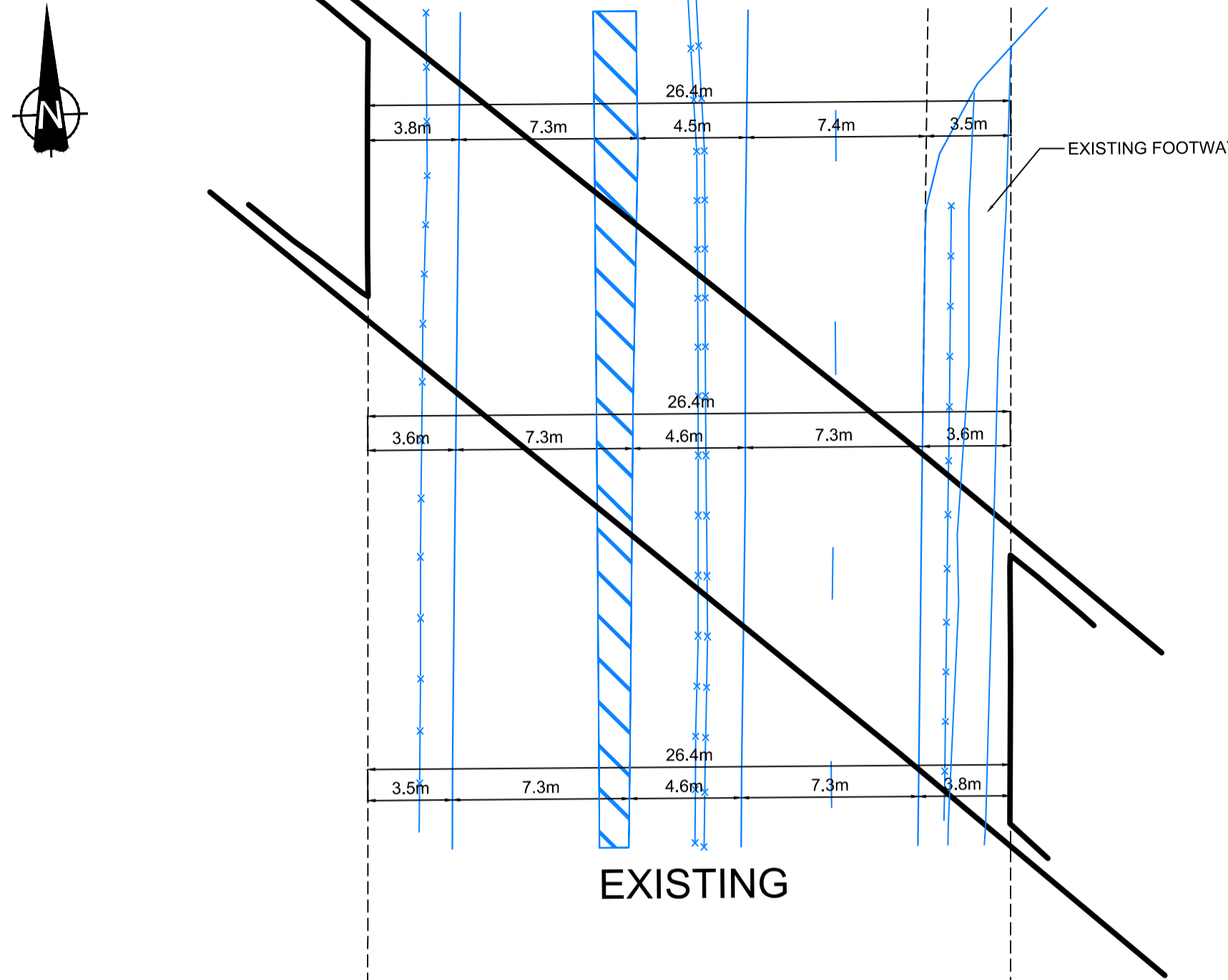
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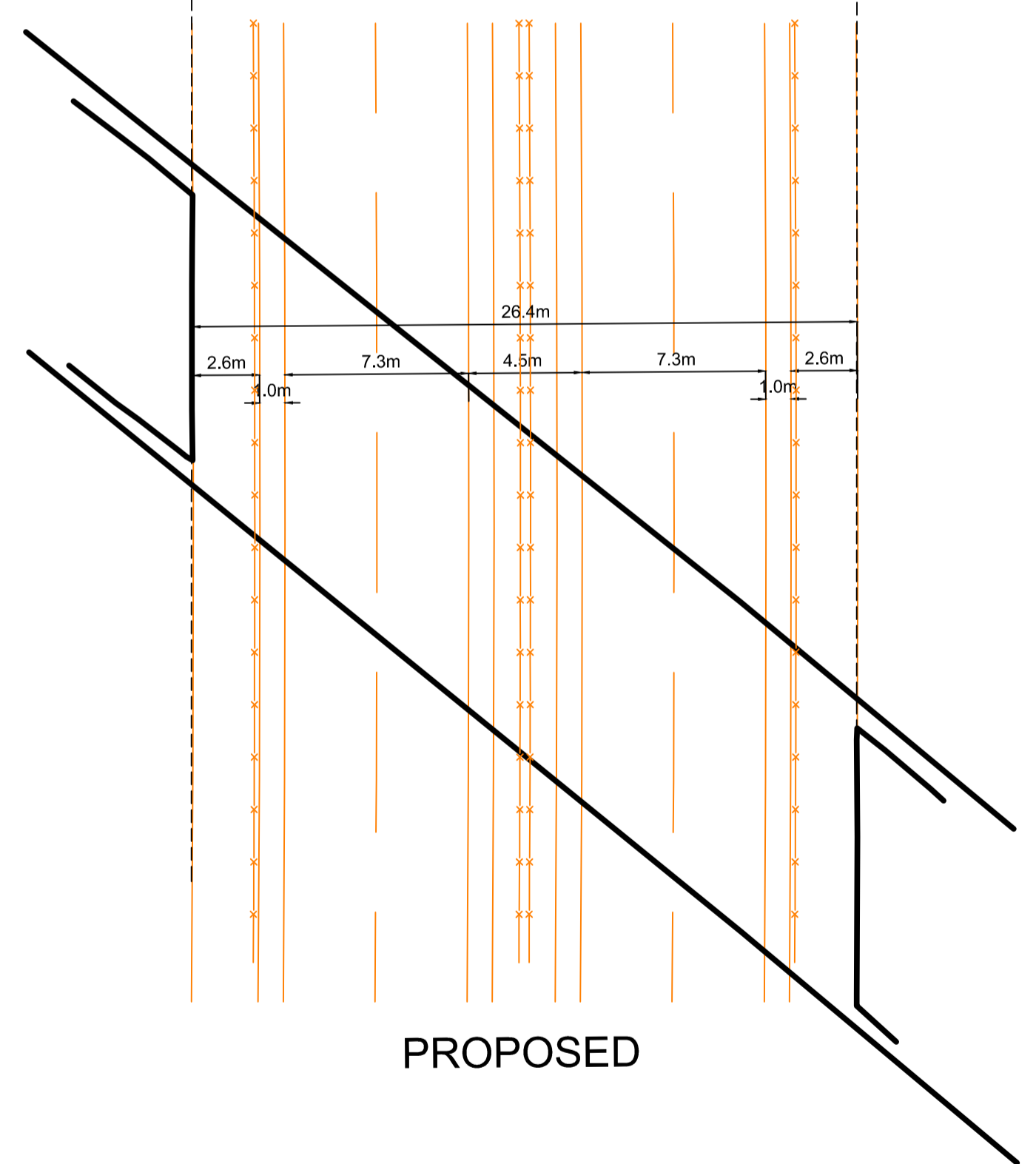
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Drawing Title: PINCHPOINT CROSS SECTIONS PLAN OVERVIEW					
Scale: NTS	Drawn: DDN	Eng. Check: MM	Approved: CH	Authorised: DM	
Original Size: A1	Date: 05/11/18	Date: 05/11/18	Date: 05/11/18	Date: 05/11/18	
Drawing Number: HE551459	Project: M2F	Originator: WSP	Volume: HGN	Revision: 1074	P01
Section:	Type:	ID:	Direction:	Type:	Role:

PLAN VIEW

DO NOT SCALE



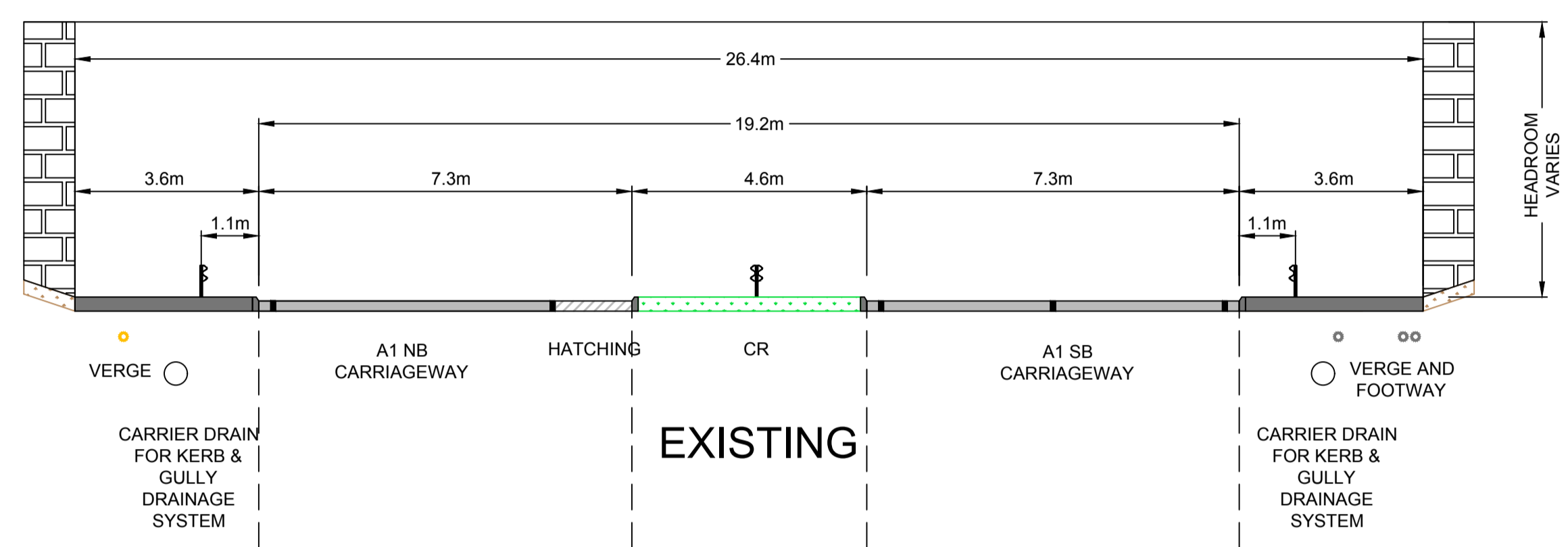
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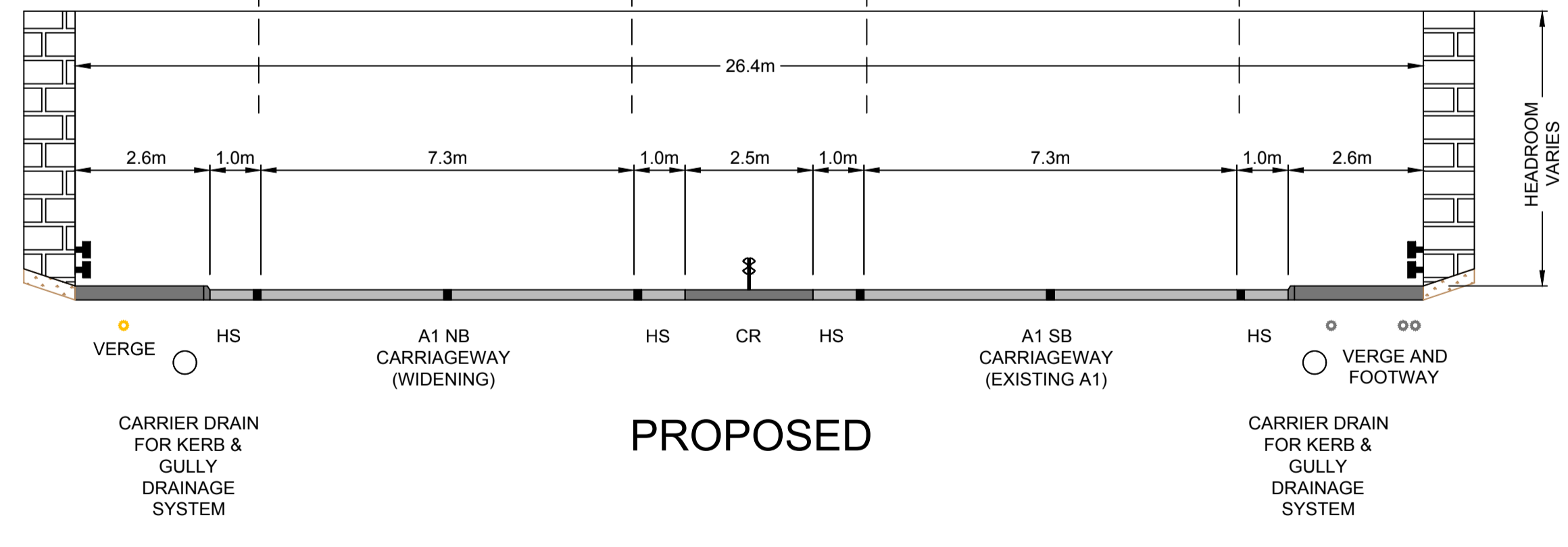
PROPOSED

CROSS SECTION CH 10870 - A697 OVERBRIDGE

A697 OVERBRIDGE



EXISTING



PROPOSED

PLAN KEY

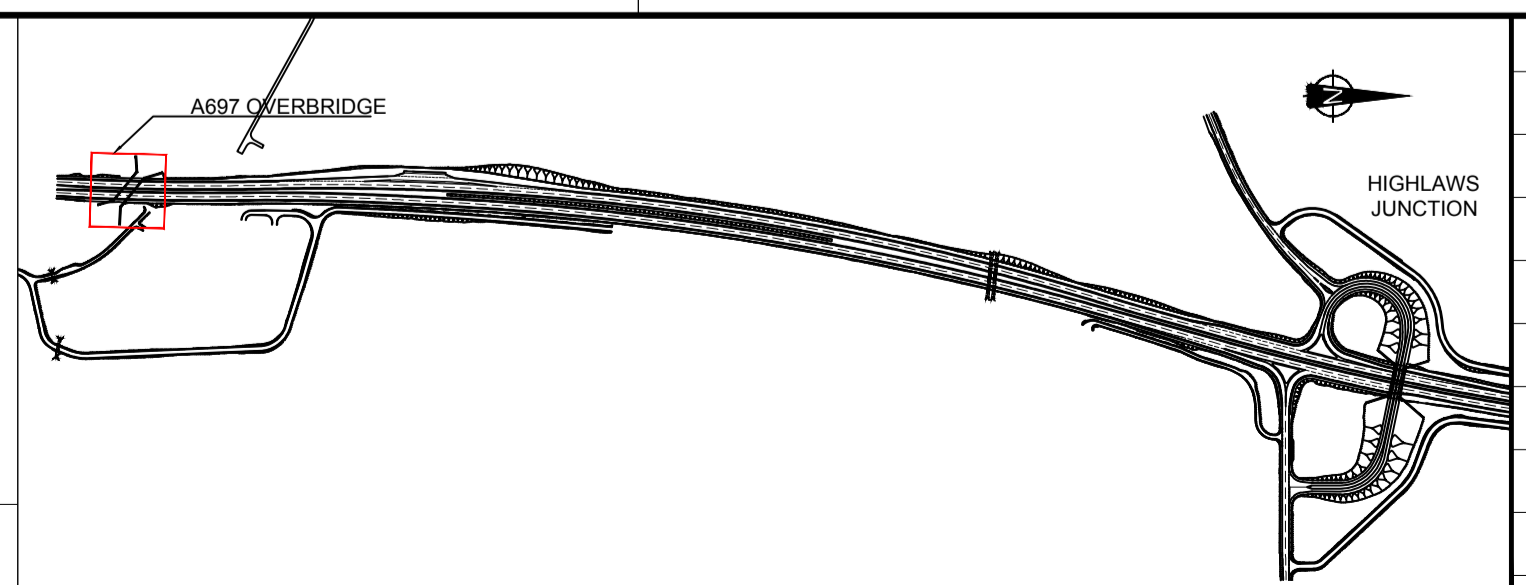
- EXISTING CARRIAGEWAY
- PROPOSED CARRIAGEWAY
- A697 OVERBRIDGE

STATS

- TELECOMS - BT / VODAFONE
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES

1. Drainage - Both verges contain existing kerb/gully drainage system.
2. Stats - Both verges contain existing stat systems.
3. Cross sections show an indicative arrangement



Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO	DDN	MM	CH	DM

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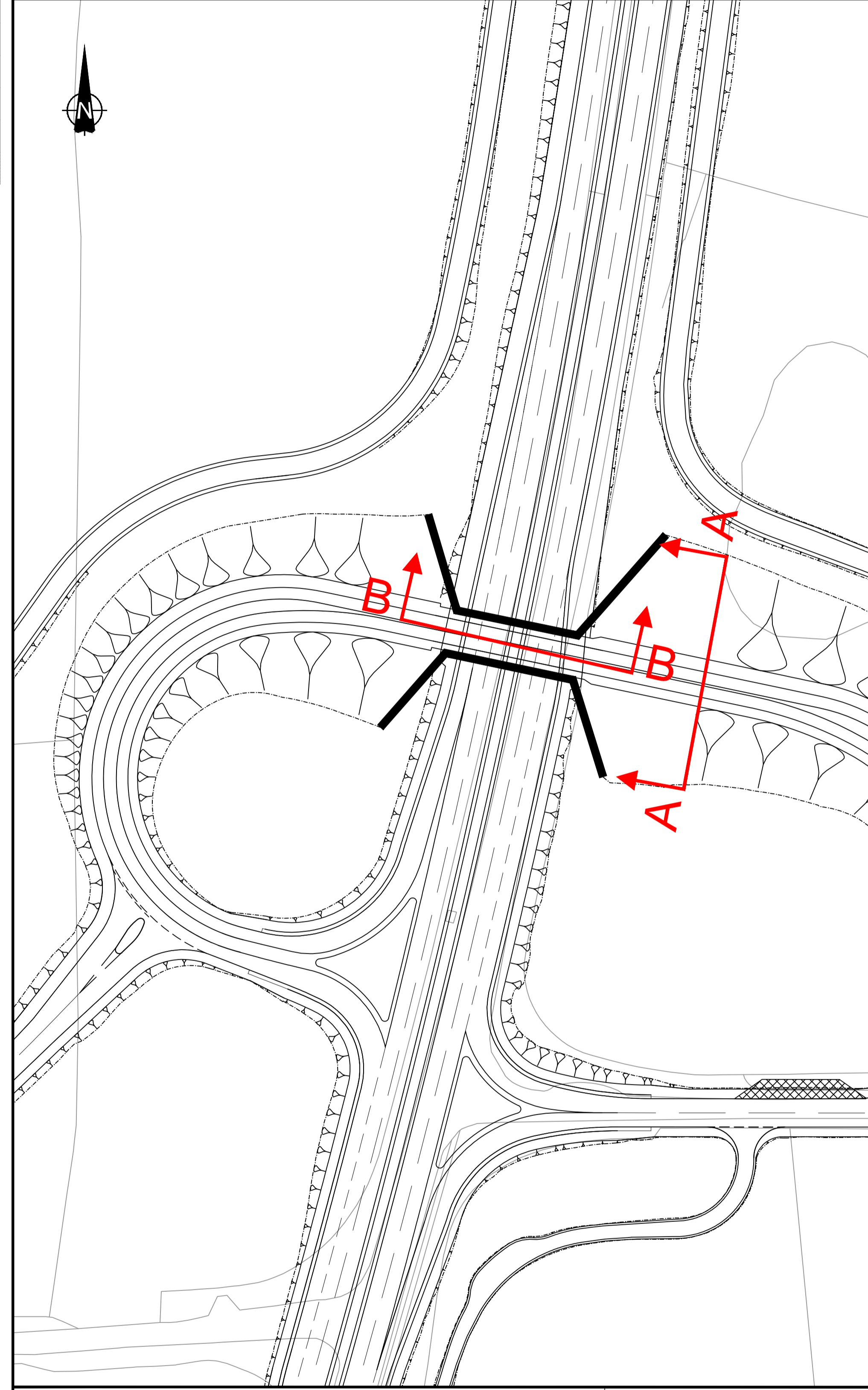
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Project Title		A1 IN NORTHUMBERLAND MORPETH TO FELTON			
Drawing Title		PINCHPOINT CROSS SECTIONS A697 OVERBRIDGE			
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NTS	DDN	MM	CH	DM	
Original Size	Date	Date	Date	Date	Date
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Drawing Number	Project	Originator	Volume	Revision	
HE551459		WSP	HGN	P01	
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					1075

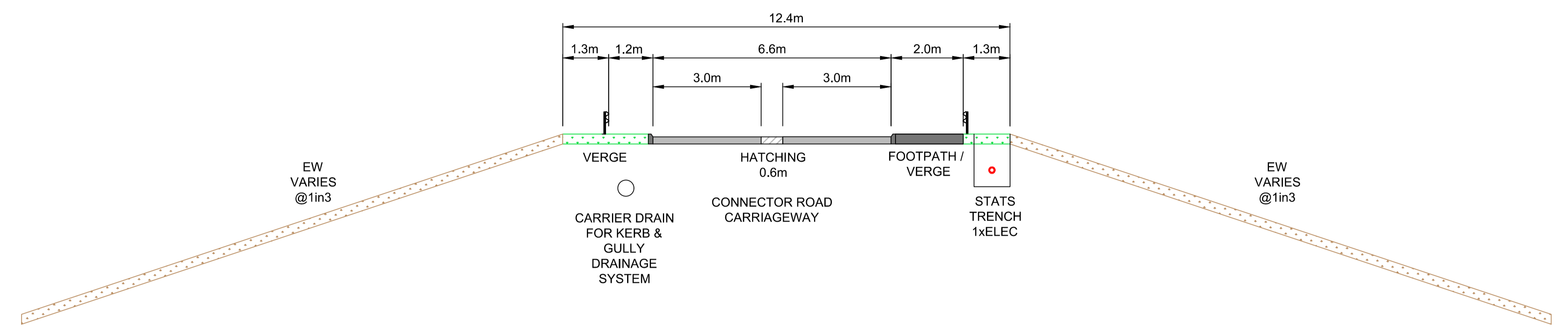
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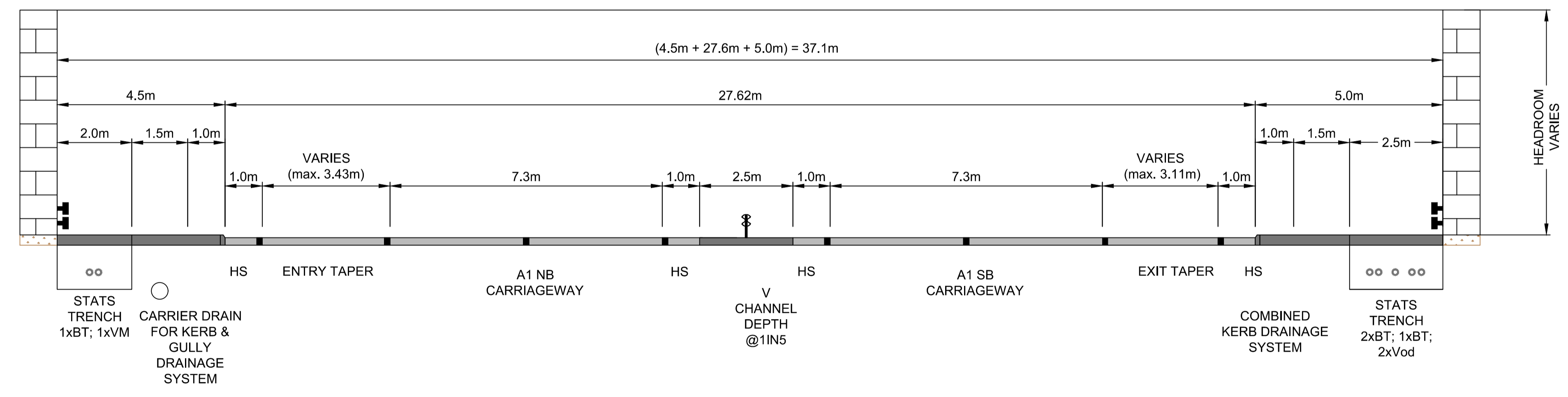
PLAN VIEW



CROSS SECTION CH 12200 - HIGHLAWS JUNCTION



SECTION A - A CHAINAGE 12200 (APPROX.)
CROSS SECTION AT CONNECTOR ROAD APPROACH TO THE STRUCTURE



SECTION B - B CHAINAGE 12200 (APPROX.)
CROSS SECTION AT PROPOSED JUNCTION OVERBRIDGE

PLAN KEY

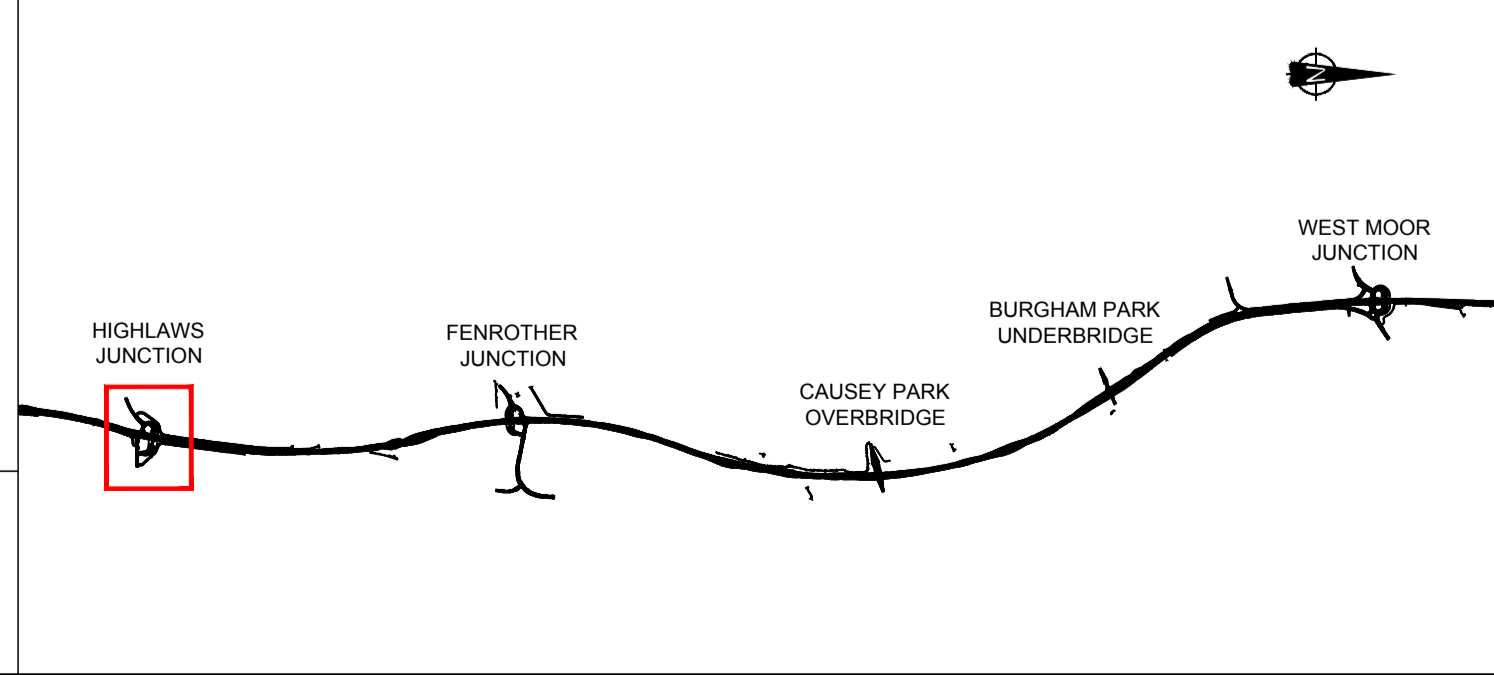
- OVERBRIDGE (PLAN VIEW)
- CROSS SECTION CUT LINE
- CULVERT

STATS

- TELECOMS - BT / VODAFONE
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES

- Cross sections show an indicative arrangement.



Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH

Suitability: FOR INFORMATION
Status: S2

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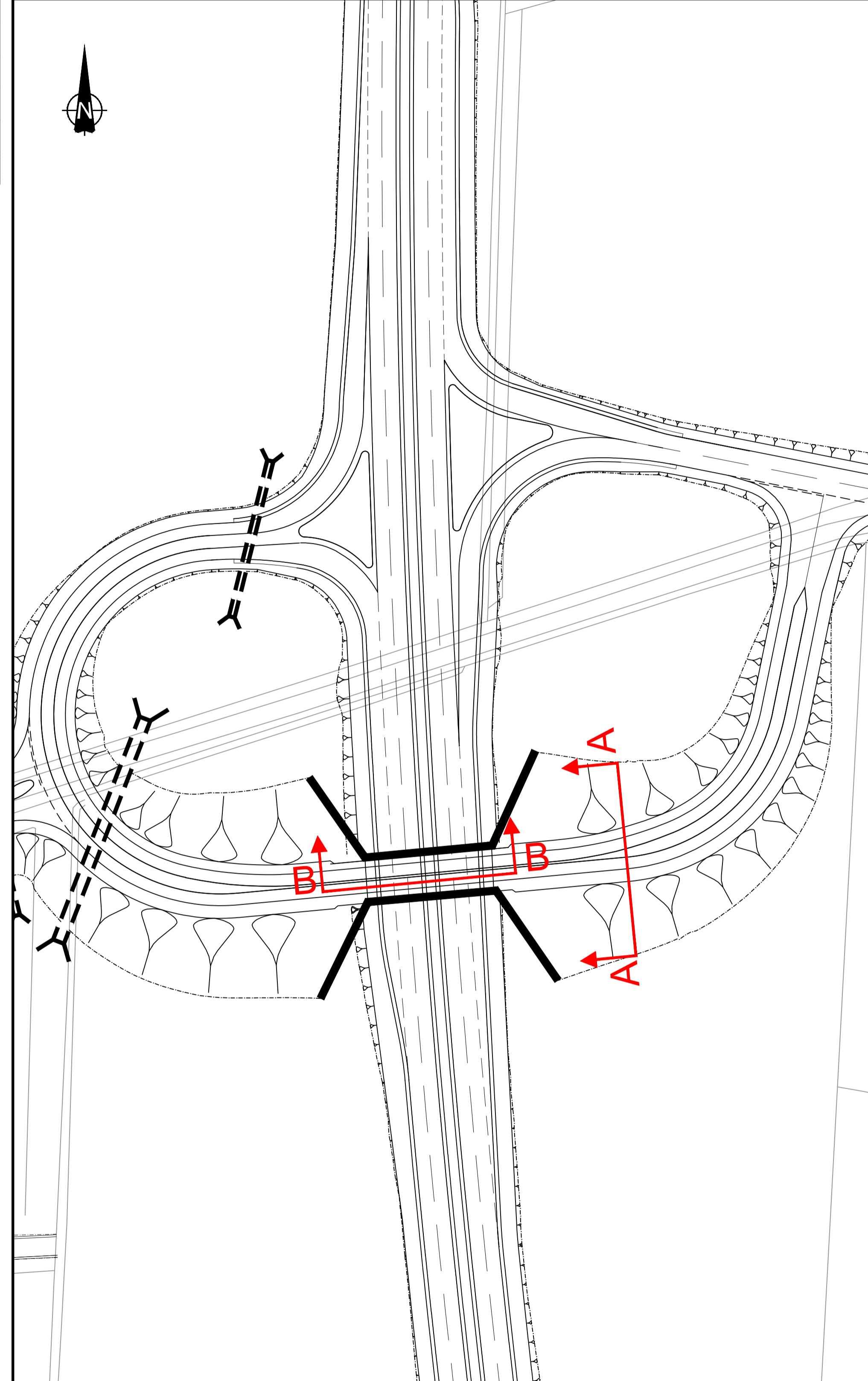
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Client: **highways england**

Project Title: A1 IN NORTHUMBERLAND MORPETH TO FELTON					
Drawing Title: PINCHPOINT CROSS SECTIONS CH 12200 - HIGHLAWS JUNCTION OVERBRIDGE					
Scale: NTS	Drawn: DDN	Eng. Check: MM	Approved: CH	Authorised: DM	
Original Size: A1	Date: 05/11/18	Date: 05/11/18	Date: 05/11/18	Date: 05/11/18	Date: 05/11/18
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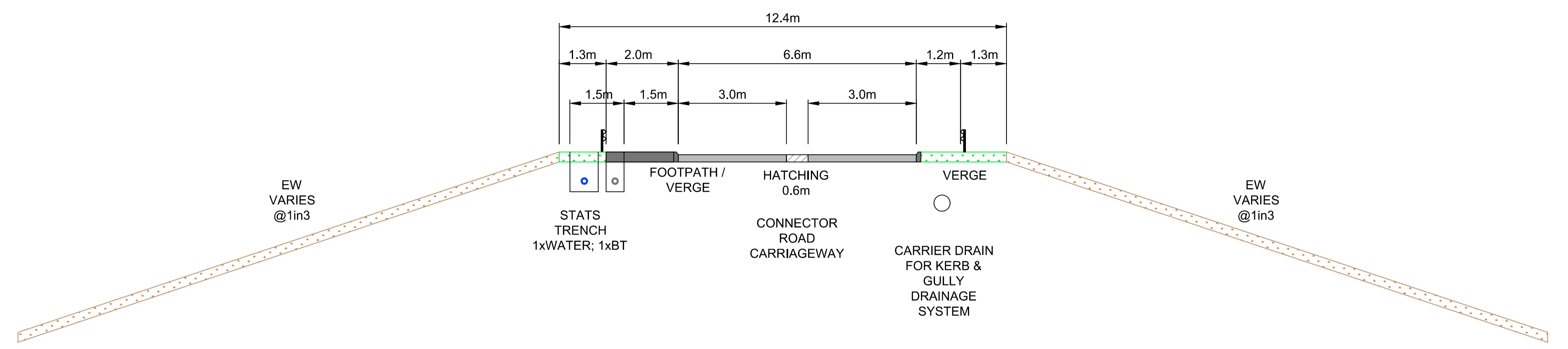
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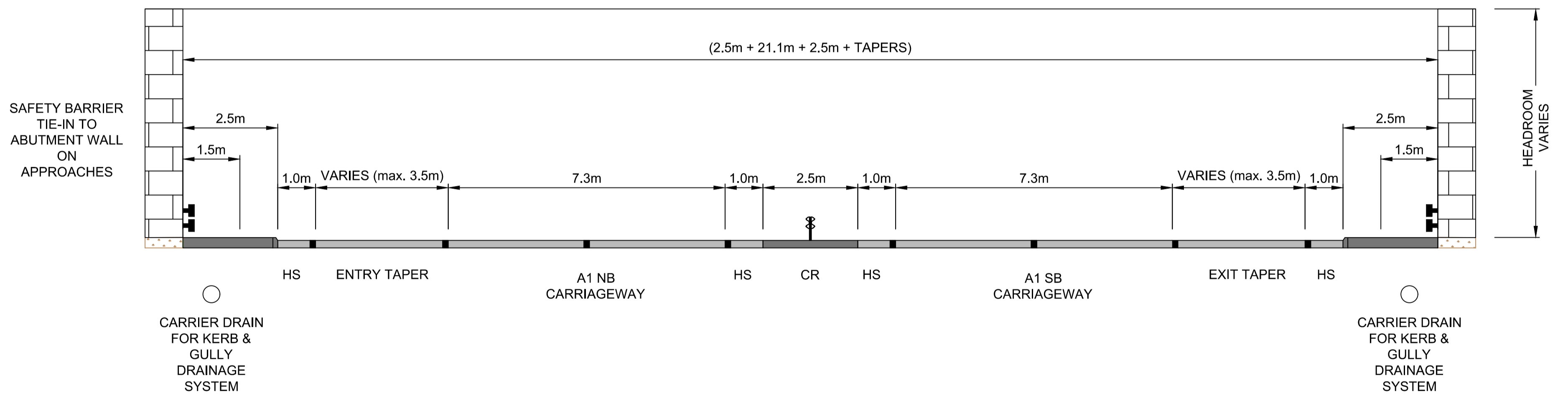
PLAN VIEW



CROSS SECTION CH 14900 - FENROTHER JUNCTION



SECTION A - A CHAINAGE 14900 (APPROX.)
CROSS SECTION AT CONNECTOR ROAD APPROACH



SECTION B - B CHAINAGE 14900 (APPROX.)
CROSS SECTION AT PROPOSED JUNCTION OVERBRIDGE

PLAN KEY

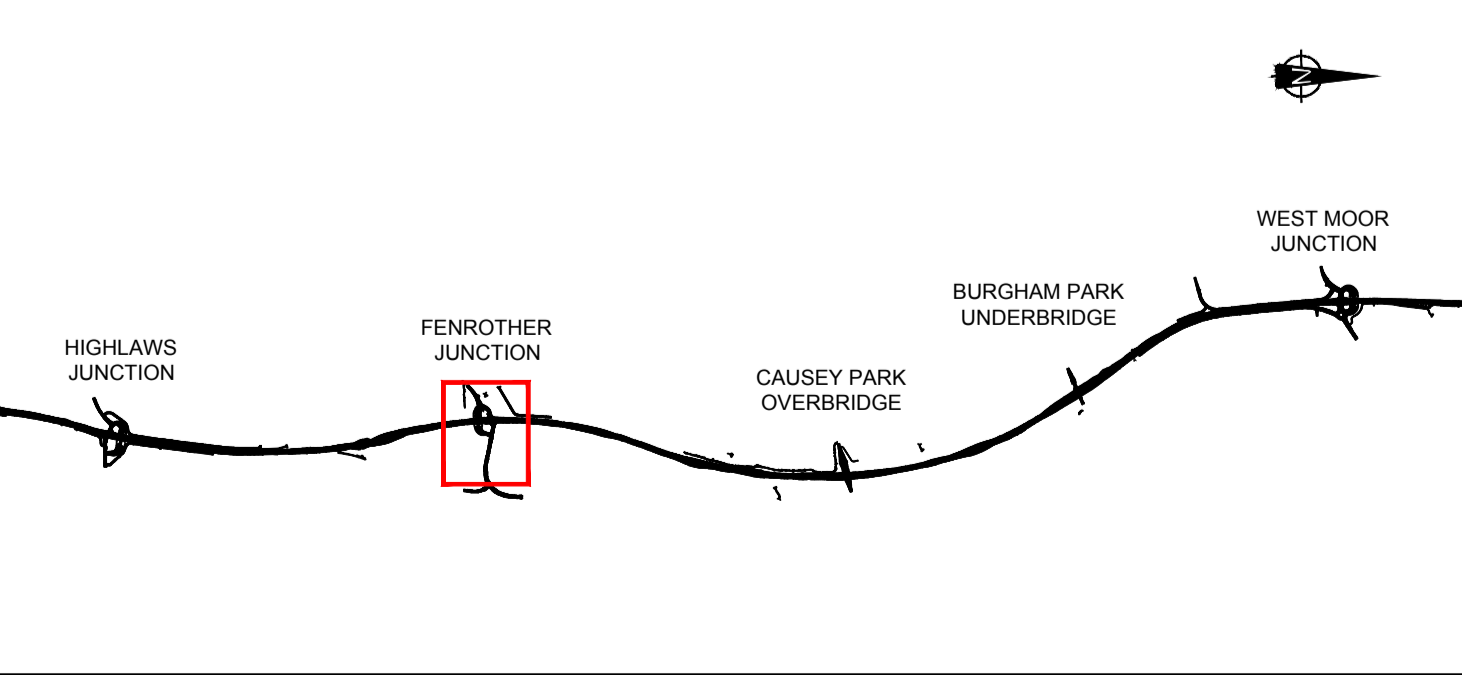
- OVERBRIDGE (PLAN VIEW)
- CROSS SECTION CUT LINE
- CULVERT

STATS

- TELECOMS - BT / VODAFONE
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES

1. Cross sections show an indicative arrangement.



Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH

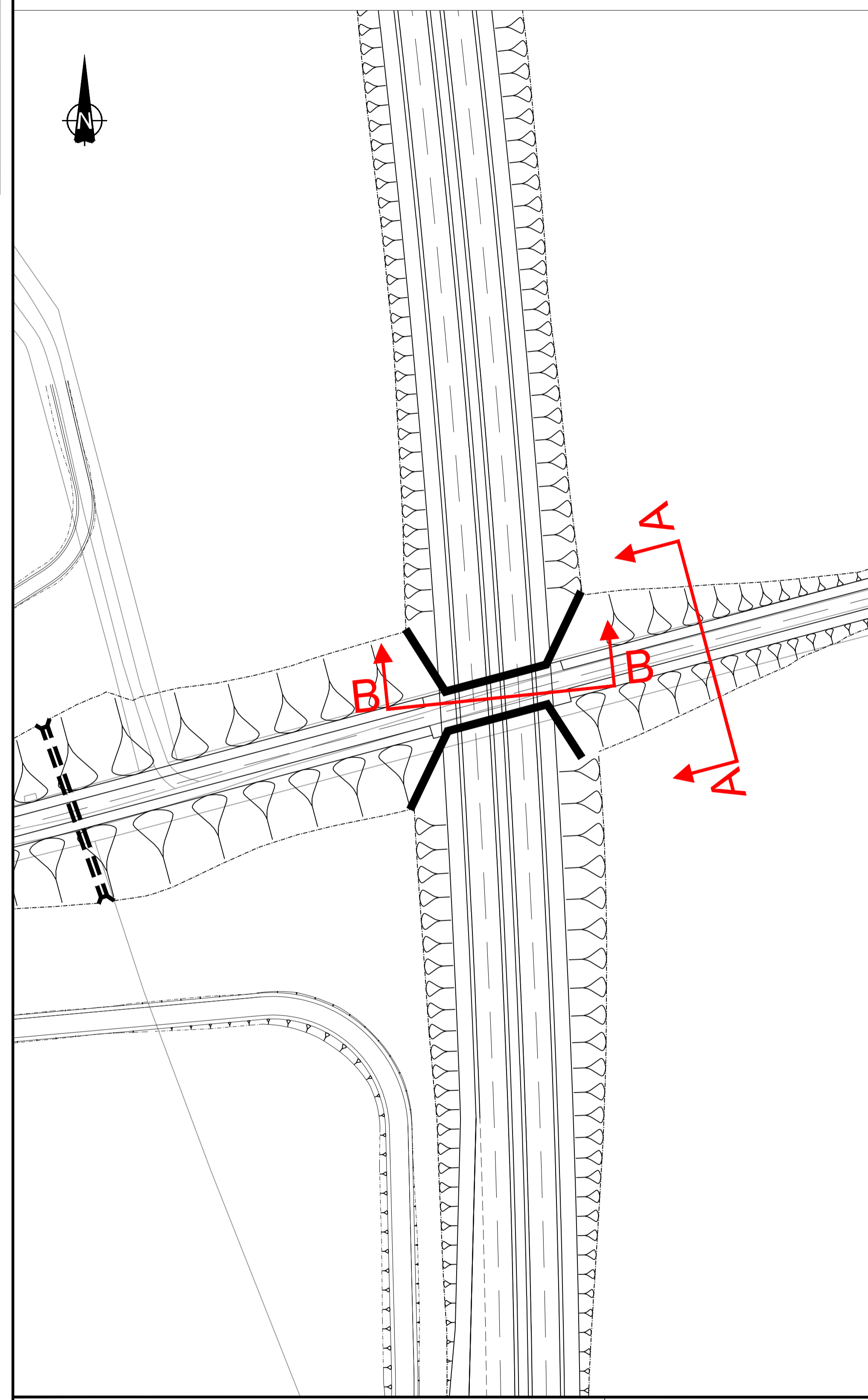
FOR INFORMATION		S2		Project Title A1 IN NORTHUMBERLAND MORPETH TO FELTON			
wsp		Queen Street Manchester M2 5JB, UK		Drawing Title PINCHPOINT CROSS SECTIONS CH 14900 - FENROTHER JUNCTION OVERBRIDGE			
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highways england		Drawing Number HE551459		Originator WSP	Volume HGN	Revision P01	
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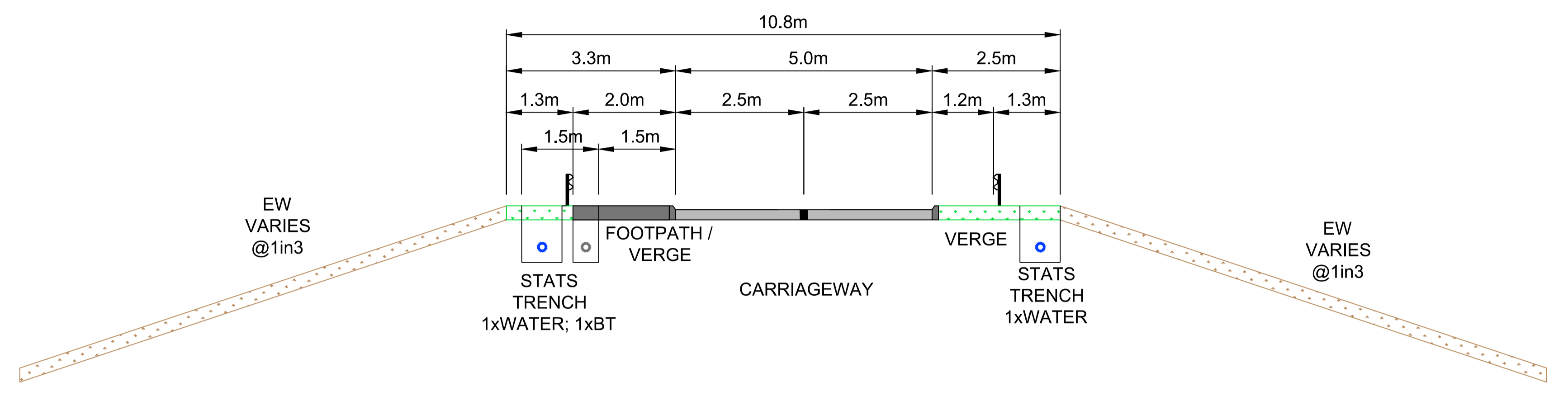
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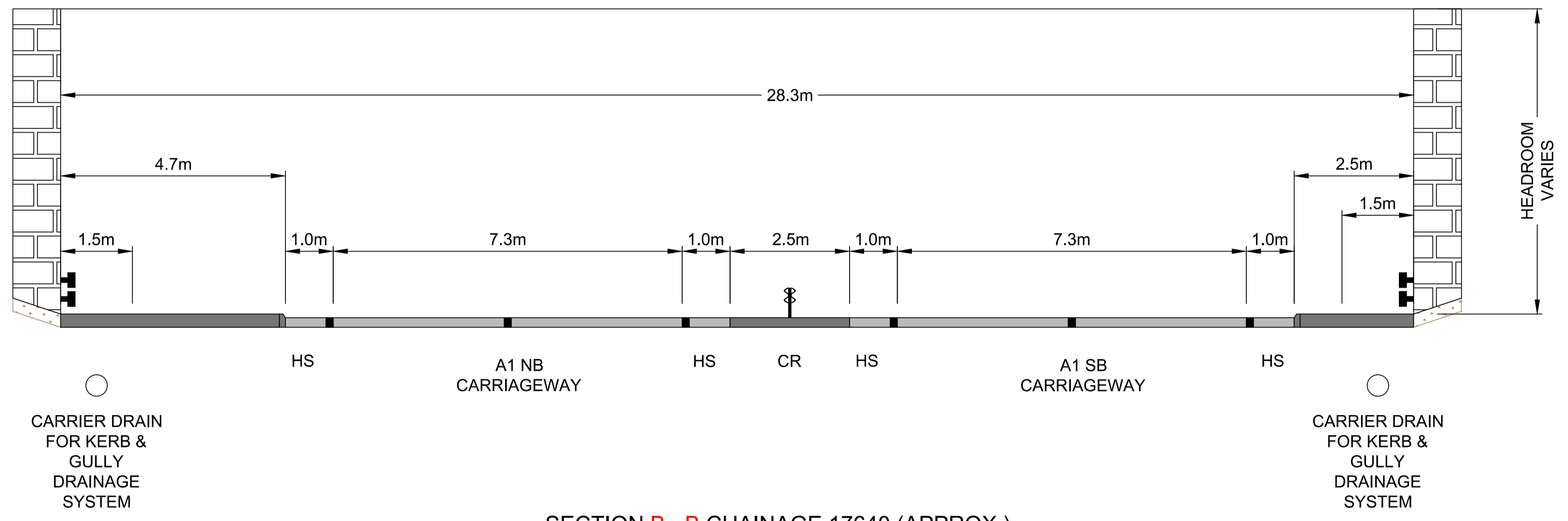
PLAN VIEW



CROSS SECTION CH 17640 - CAUSEY PARK OVERBRIDGE



SECTION A - A CHAINAGE 17640 (APPROX.)
CROSS SECTION AT OVERBRIDGE APPROACH



SECTION B - B CHAINAGE 17640 (APPROX.)
CROSS SECTION AT PROPOSED OVERBRIDGE

PLAN KEY

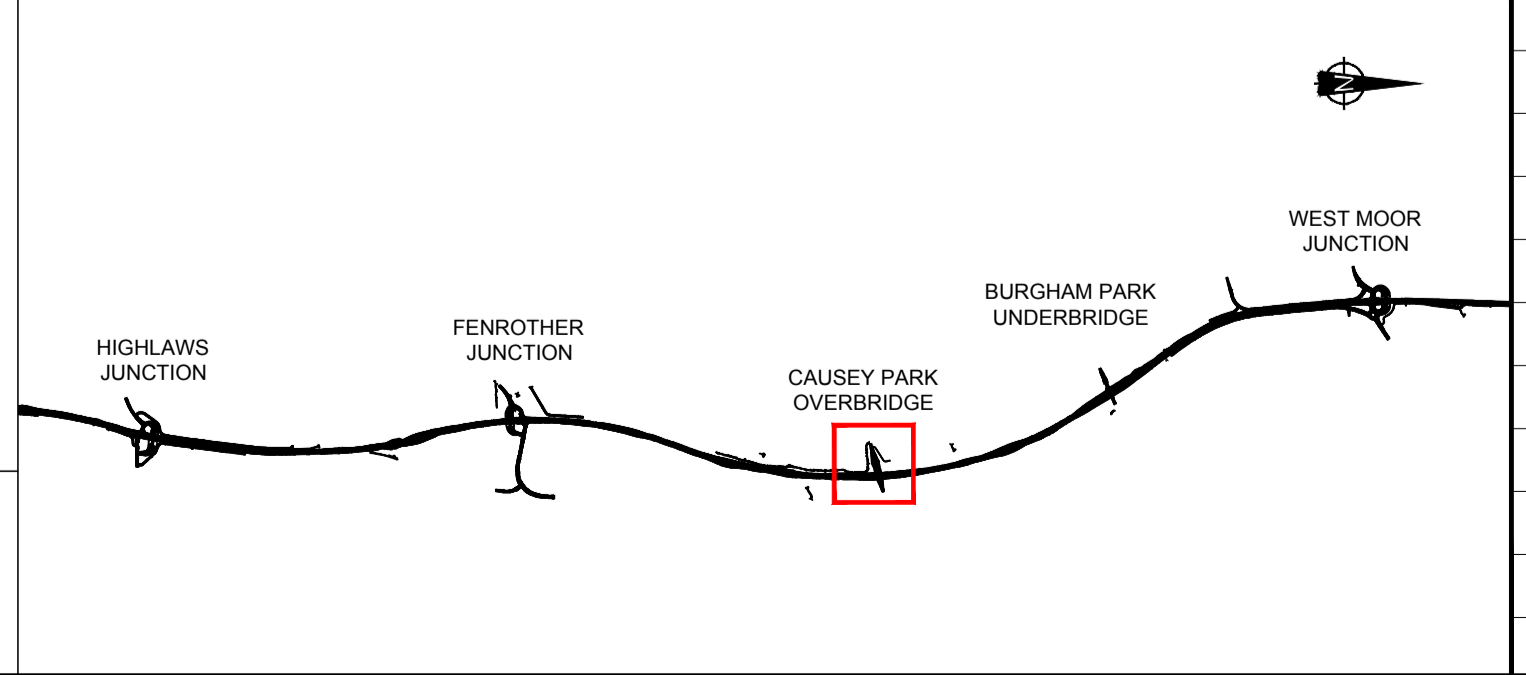
- OVERBRIDGE (PLAN VIEW)
- CROSS SECTION CUT LINE
- CULVERT

STATS

- TELECOMS - BT / VODAFONE
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES

- Cross sections show an indicative arrangement.



Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO		DDN	MM	CH DM

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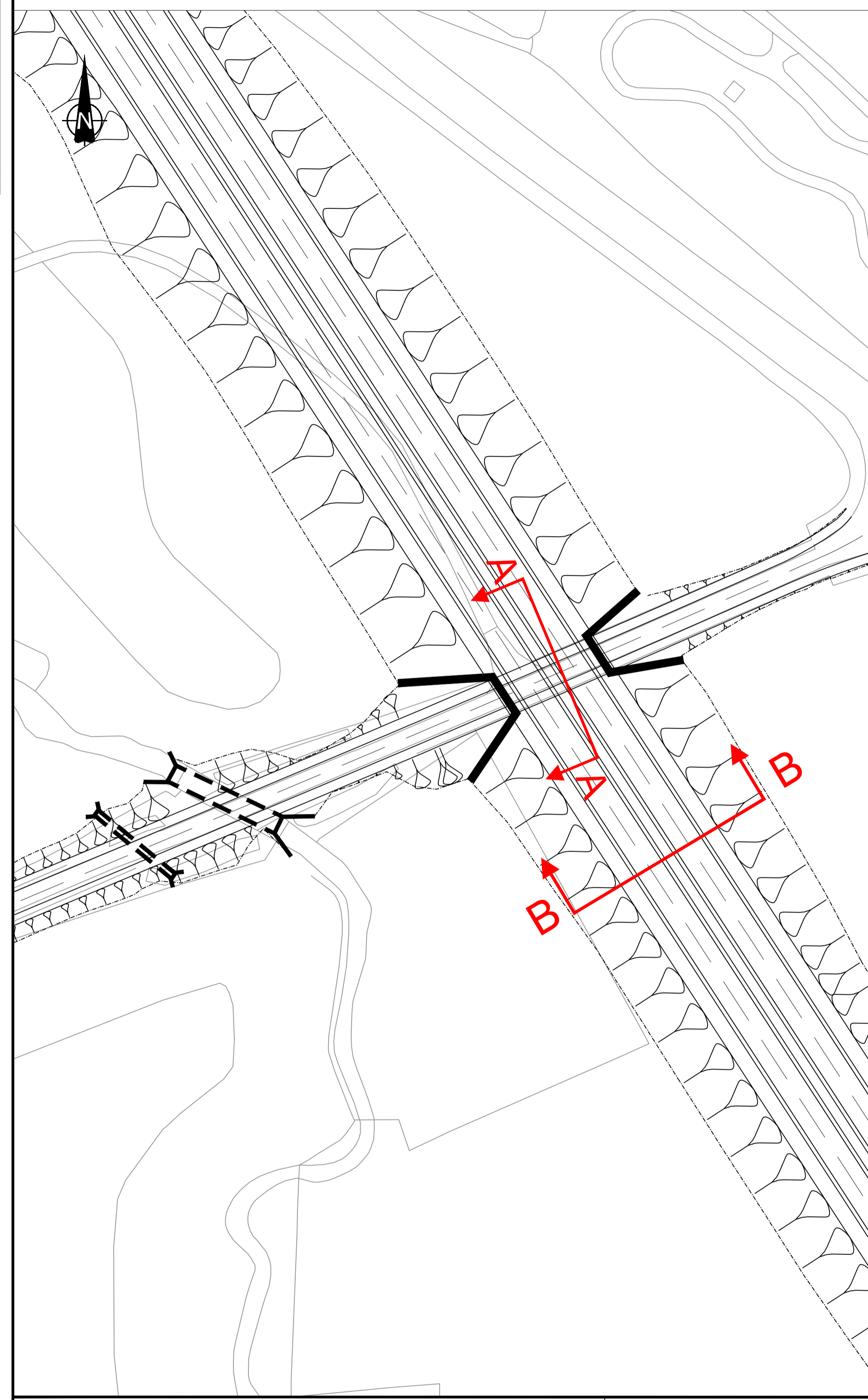
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Project Title		A1 IN NORTHUMBERLAND MORPETH TO FELTON			
Drawing Title		PINCHPOINT CROSS SECTIONS CH 17640 - CAUSEY PARK OVERBRIDGE			
Scale	Drawn	Eng. Check	Approved	Authorised	
NTS	DDN	MM	CH	DM	
Original Size	Date	Date	Date	Date	
A1	05/11/18	05/11/18	05/11/18	05/11/18	
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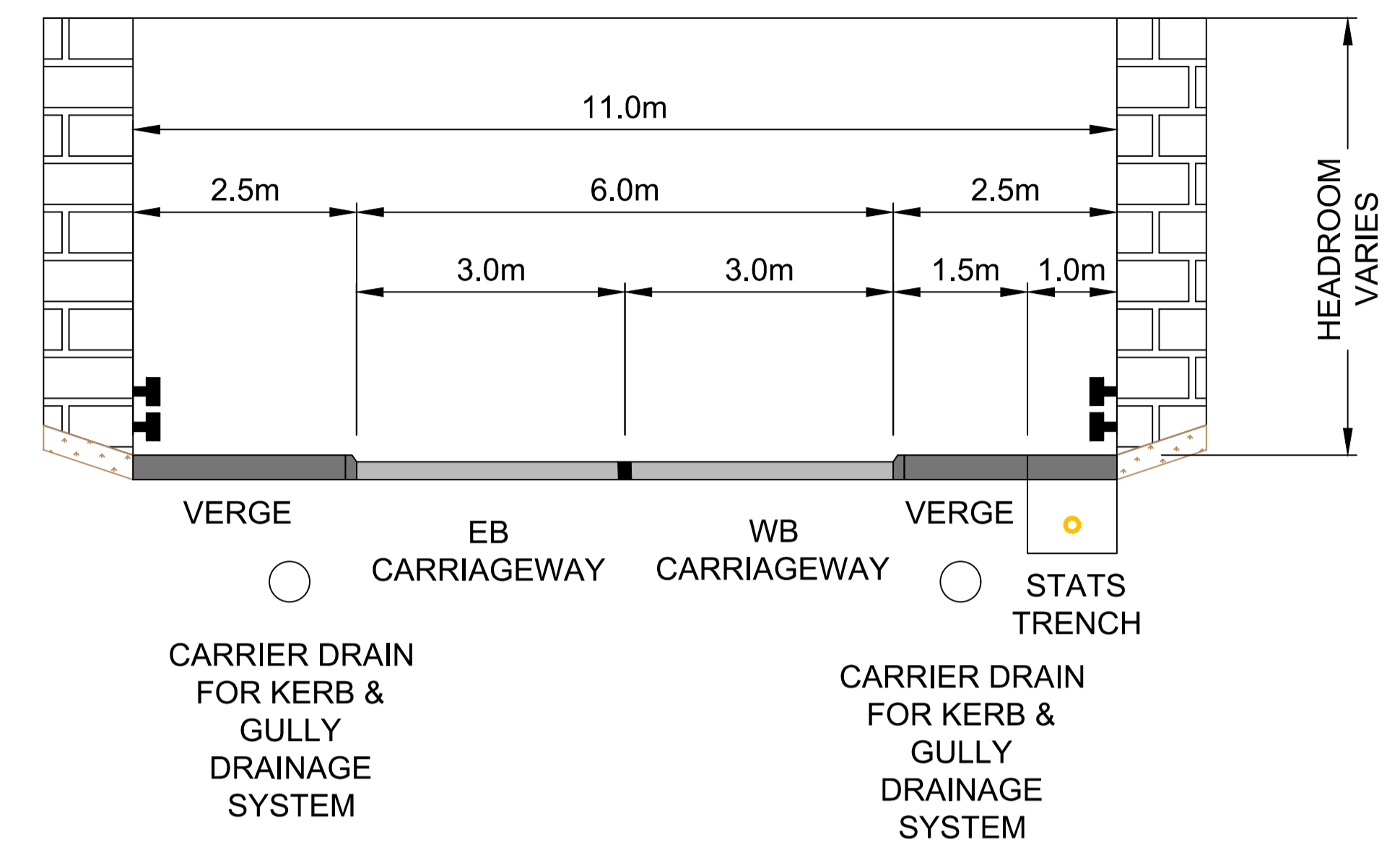
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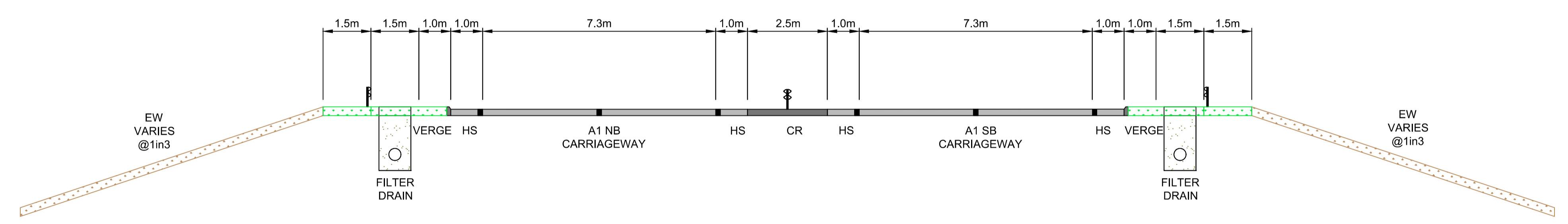
PLAN VIEW



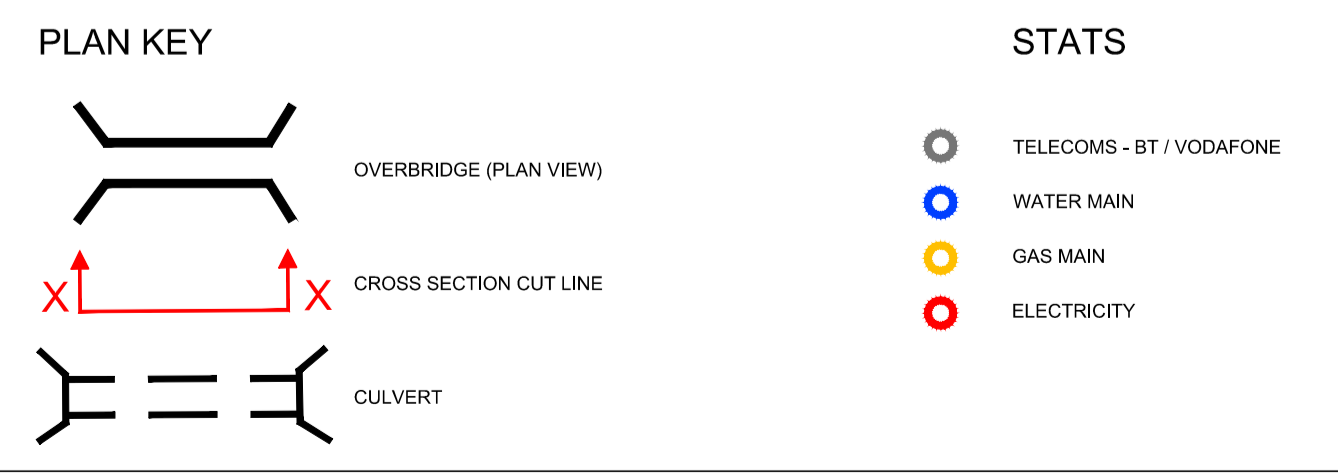
CROSS SECTION CH 19500 - BURGHAM PARK UNDERBRIDGE



SECTION A - A CHAINAGE 19500 (APPROX.)
CROSS SECTION AT UNDERBRIDGE

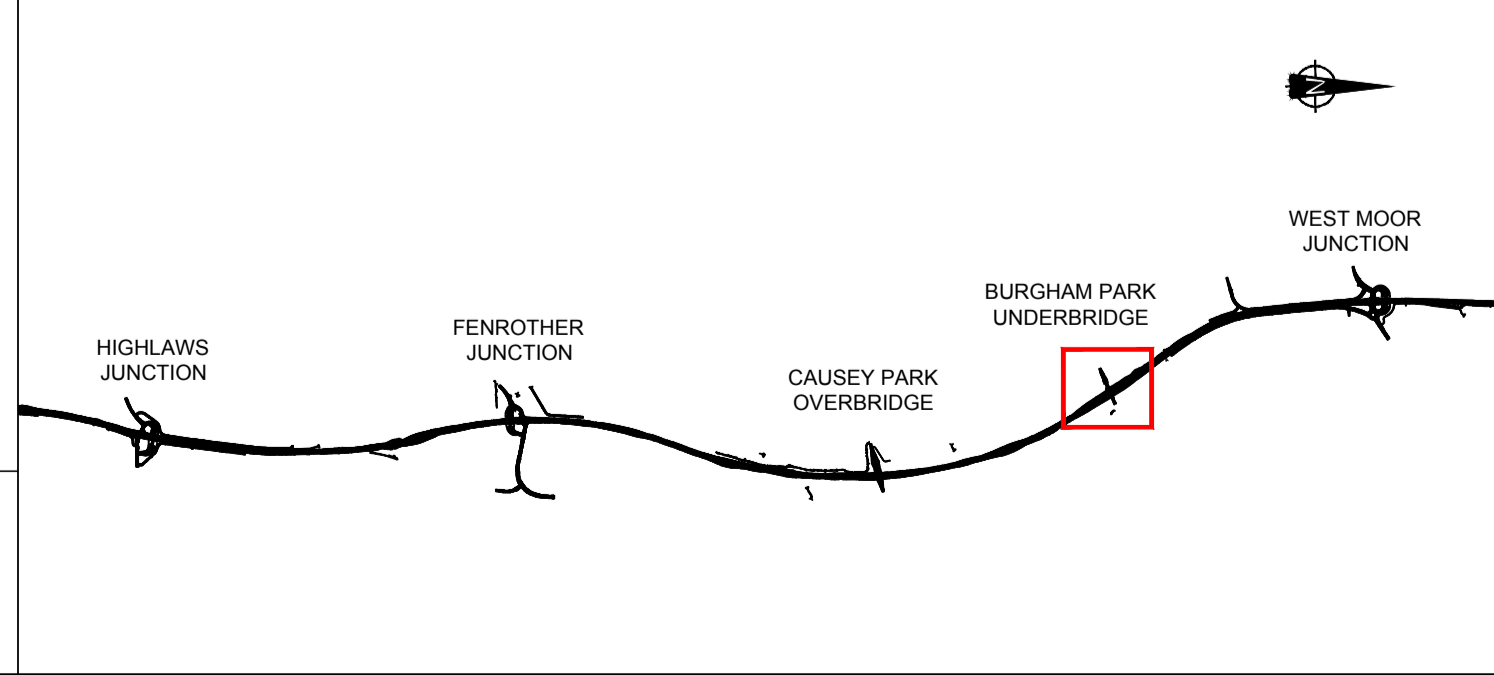


SECTION B - B CHAINAGE 19500 (APPROX.)
CROSS SECTION OF A1 MAINLINE ON THE BURGHAM UNDERBRIDGE APPROACH



NOTES

1. Cross sections show an indicative arrangement.



Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO	DDN	MM	CH	DM

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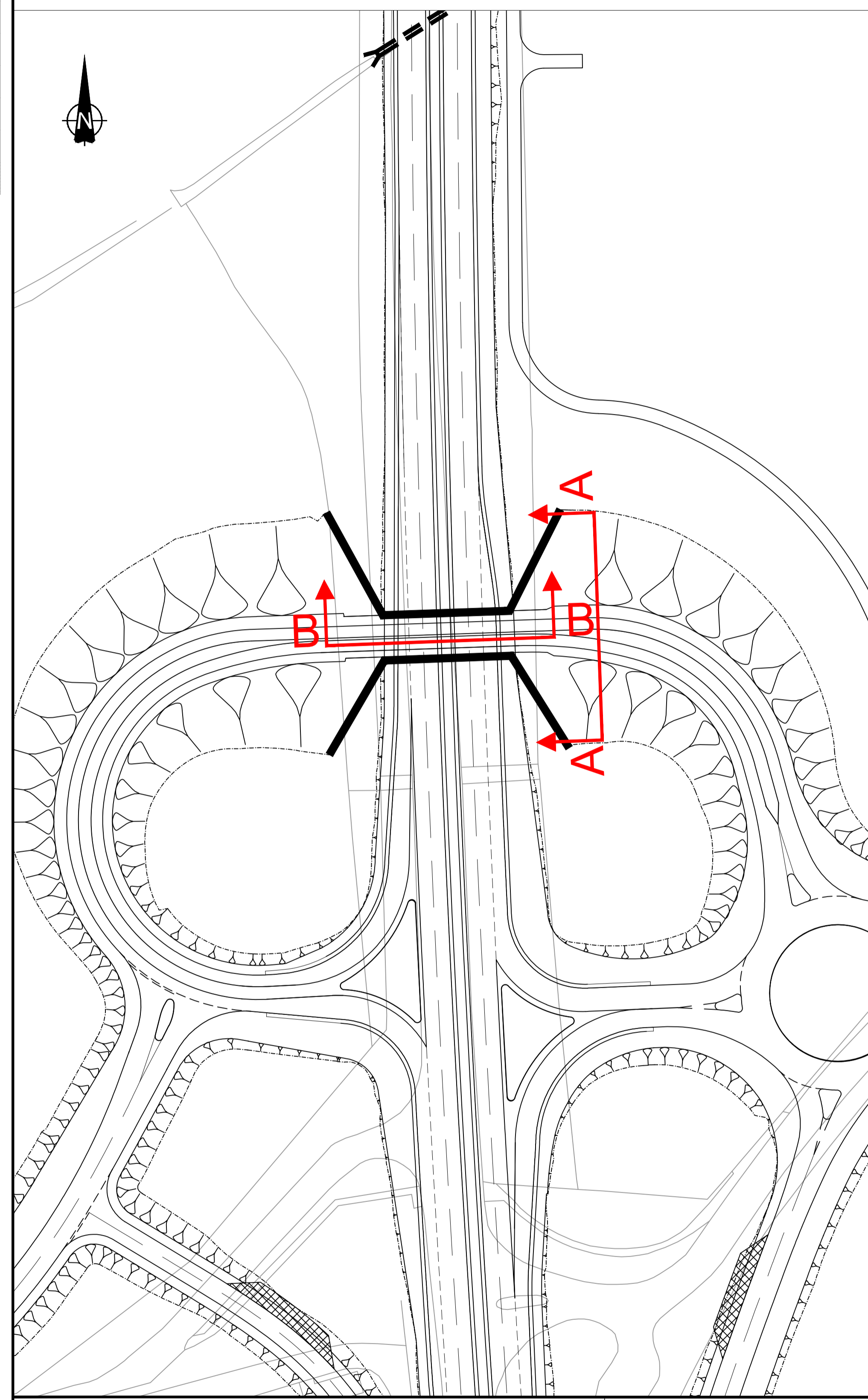
**highways
england**

Project Title	A1 IN NORTHUMBERLAND MORPETH TO FELTON				
Drawing Title	PINCHPOINT CROSS SECTIONS CH 19500 - BURGHAM PARK UNDERBRIDGE				
Scale	NTS	Drawn	DDN	Eng. Check	MM
Original Size	A1	Date	05/11/18	Date	05/11/18
Approved	CH	Date	05/11/18	Authorised	DM
Drawing Number	HE551459	Project	M2F	Volume	HGN
Project	DR	Direction	CH	Volume	1079
Section	Type	ID	Role	Number	Revision
					P01
					PW Stage Code

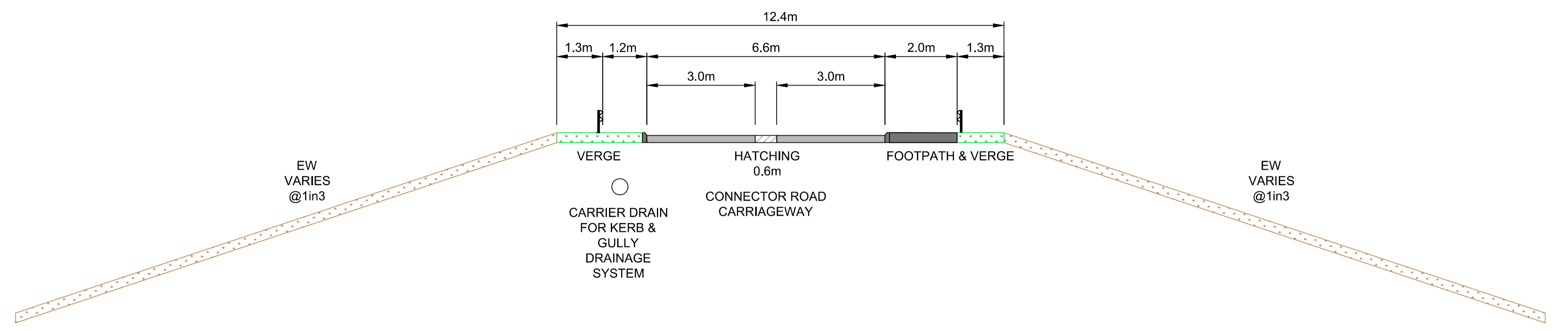
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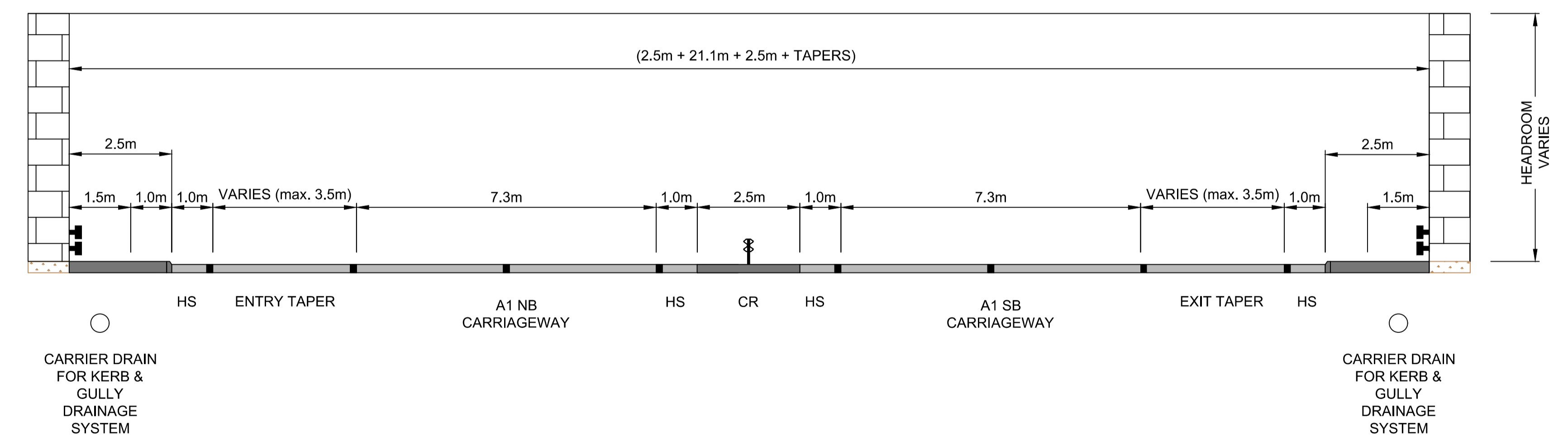
PLAN VIEW



CROSS SECTION CH 21700 - WEST MOOR JUNCTION OVERBRIDGE



SECTION A - A CHAINAGE 21700 (APPROX.)
CROSS SECTION AT CONNECTOR ROAD APPROACH



SECTION B - B CHAINAGE 21700 (APPROX.)
CROSS SECTION AT PROPOSED JUNCTION OVERBRIDGE

PLAN KEY

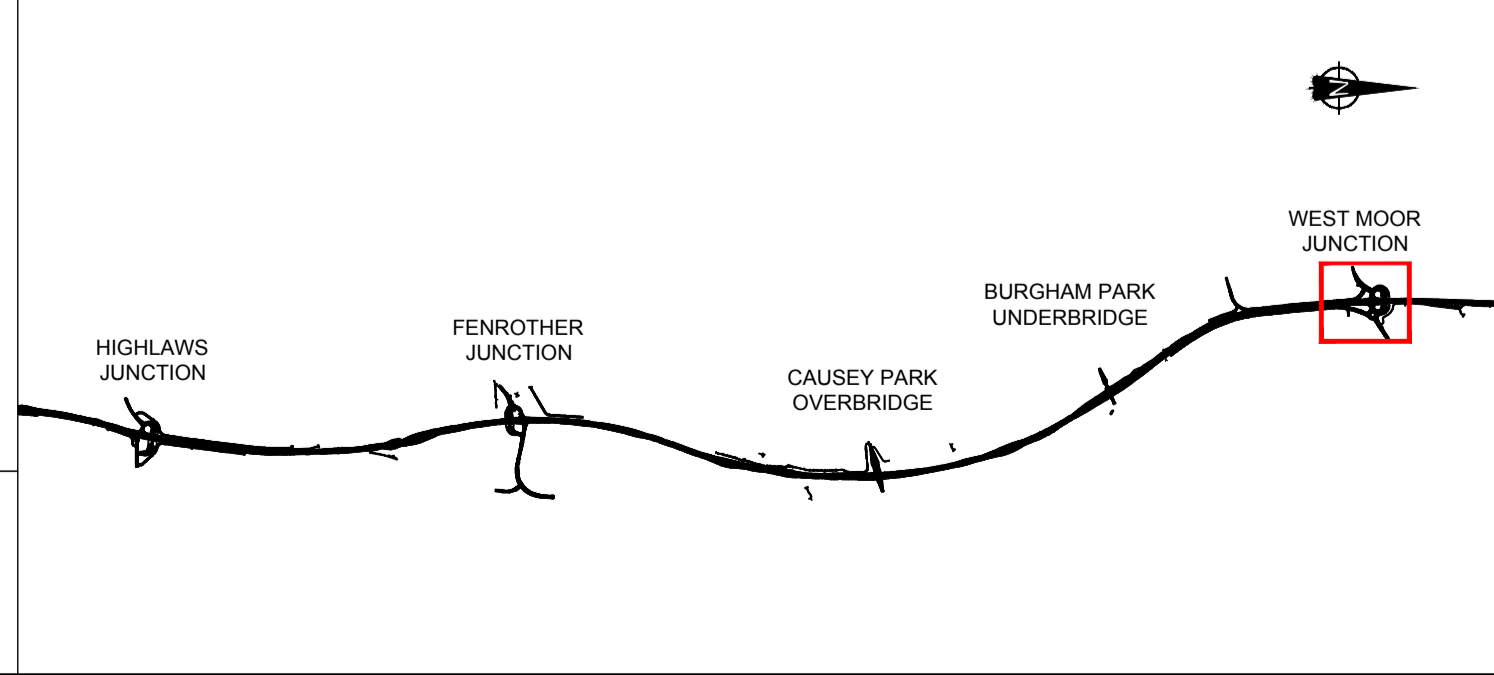
- OVERBRIDGE (PLAN VIEW)
- CROSS SECTION CUT LINE
- CULVERT

STATS

- TELECOMS - BT / VODAFONE
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES

1. Cross sections show an indicative arrangement.



Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	05/11/18	DESIGN FIX 3 FOR DCO	DDN	MM	CH	DM

FOR INFORMATION		Status	Project Title			
wsp		S2	A1 IN NORTHUMBERLAND MORPETH TO FELTON			
Queen Street Manchester M2 5JB, UK		Drawing Title				
T+ 44 (0) 161 832 4542 wsp.com		PINCHPOINT CROSS SECTIONS CH21700 - WEST MOOR JUNCTION OVERBRIDGE				
Scale	Drawn	Eng. Check	Approved	Authorised		
NTS	DDN	MM	CH	DM		
Original Size	Date	Date	Date	Date		
A1	05/11/18	05/11/18	05/11/18	05/11/18		
Drawing Number	Project	Originator	Volume	Revision		
HE551459		WSP	HGN	P01		
Section	Type	ID	Direction	Type	Role	Number

TECHNICAL DRAWINGS

A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

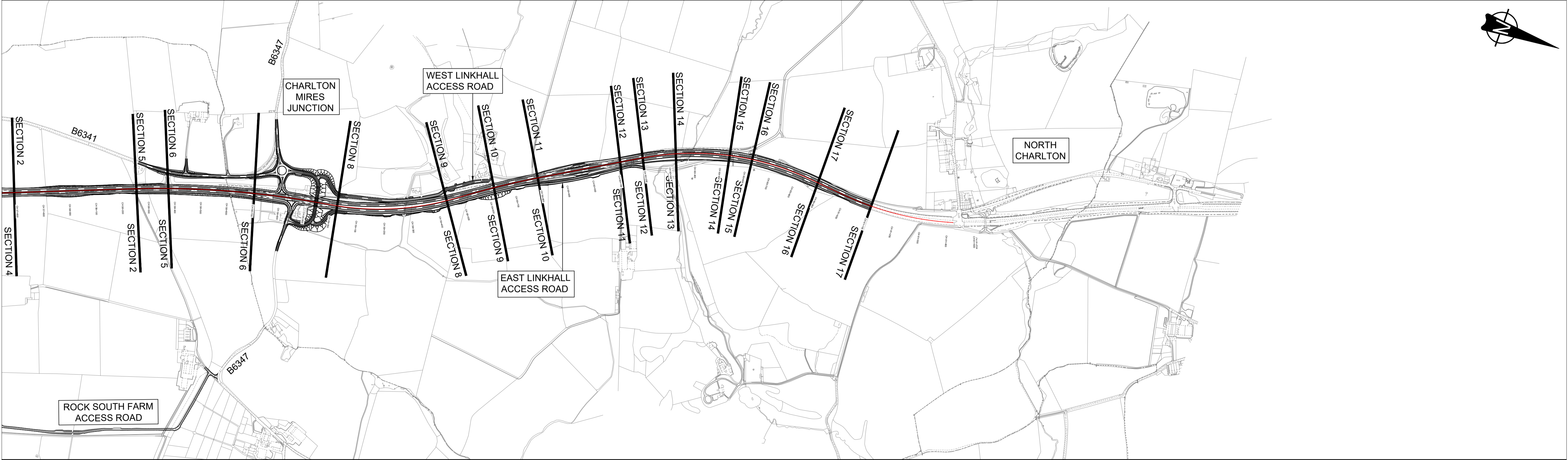
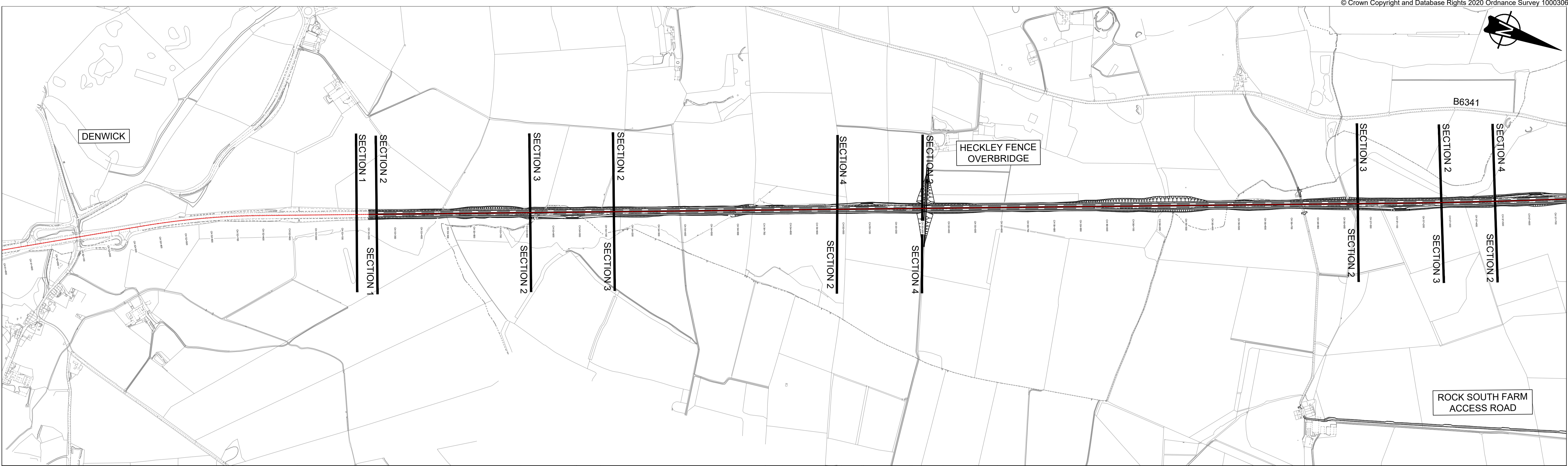
PART B: ALNWICK TO ELLINGHAM

DO NOT SCALE

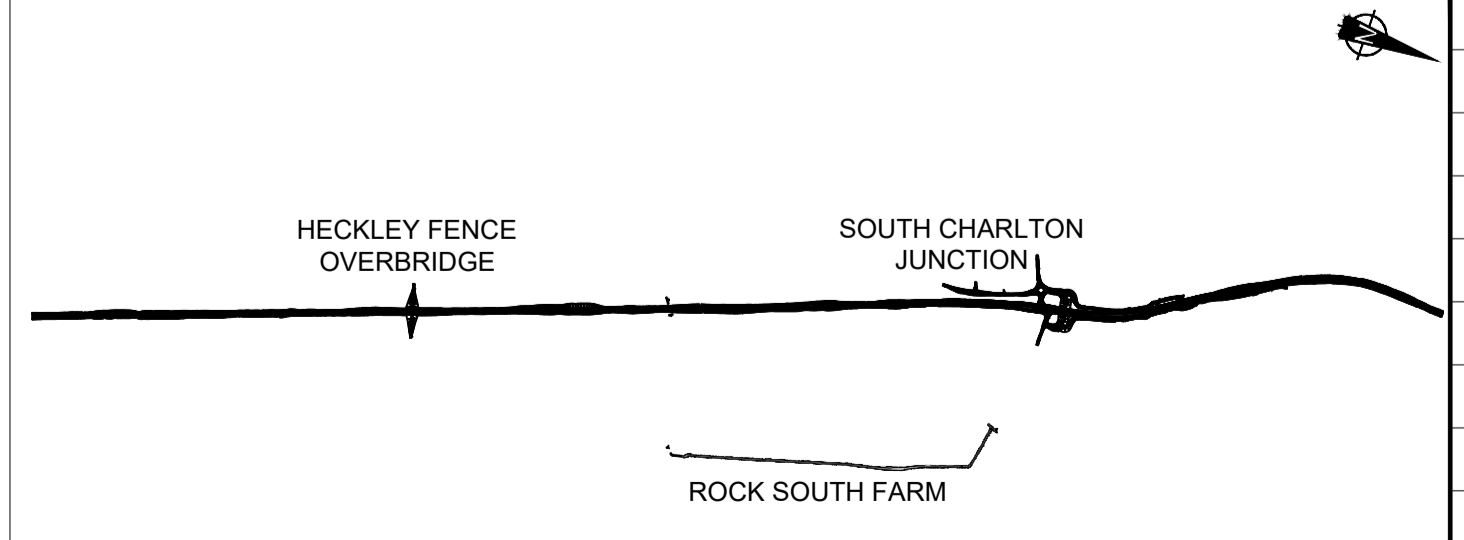
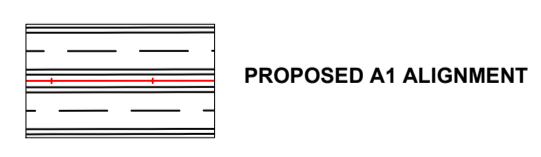
Millimetres

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PLAN KEY



Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	13/02/20	First Revision	NH	TO	MM	DM

Suitability: Work In Progress | Status: S0

wsp
8 First Street
Manchester
M15 4RP, UK
T+ 44 (0) 161 200 5000
wsp.com

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highways england

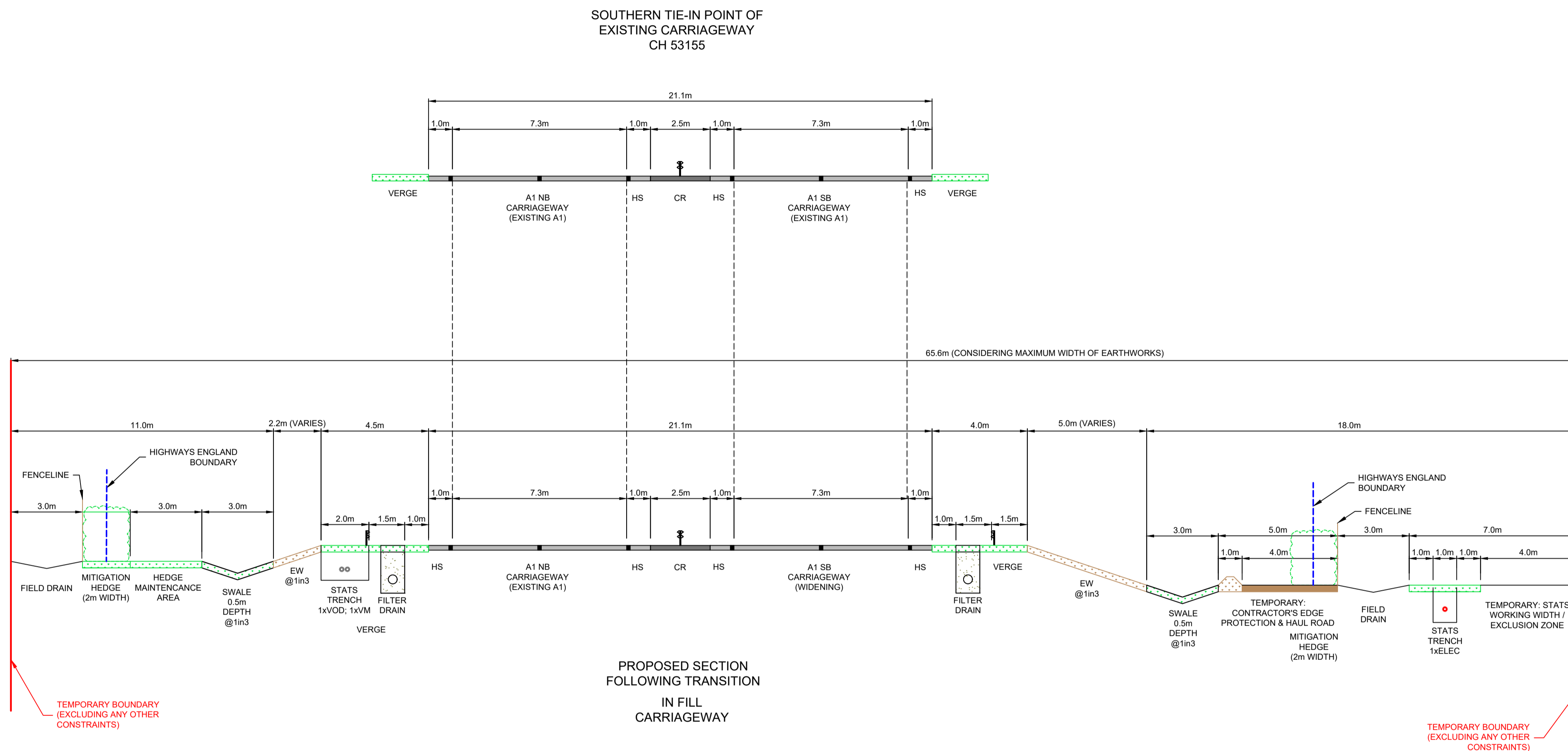
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Drawing Title: Alnwick to Ellingham Indicative Cross Sections Plan Overview					
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Original Size: A1	Date: 13/02/20	Date: 13/02/20	Date: 13/02/20	Date: 13/02/20	
Drawing Number: HE551459	Originator: WSP	Volume: HGN	Revision: P01		Revision: 3
A2E	DR	CH	00039	PW Stage Code	

Confidential

ONLINE SECTION

CH 53155 - 53230

DO NOT SCALE



STATS

- BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION

NOTES - Assumptions:

Area 14 requirements

- 2m clearance at the back of any earthwork slopes for grass cutting (not including swales).
- 1m clearance to fixed assets (lighting column, VRS, sign posts, etc - not including swales).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
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Signage

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Stats requirements

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- Northern Powergrid 66kV cable must be at least 6m from hedgerows containing large conifers and deciduous forest trees.

Contractor

- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

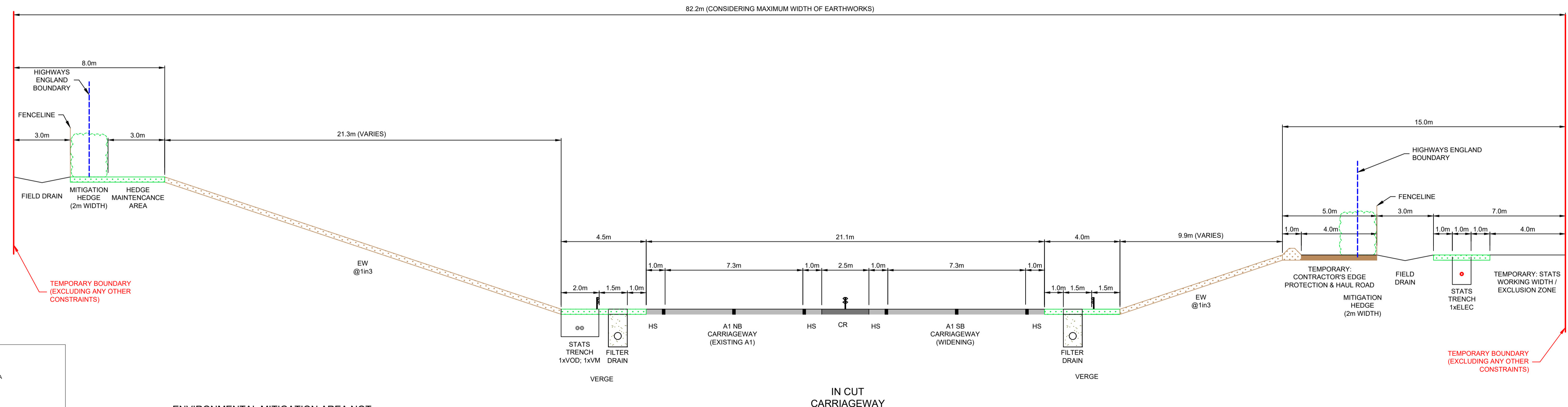
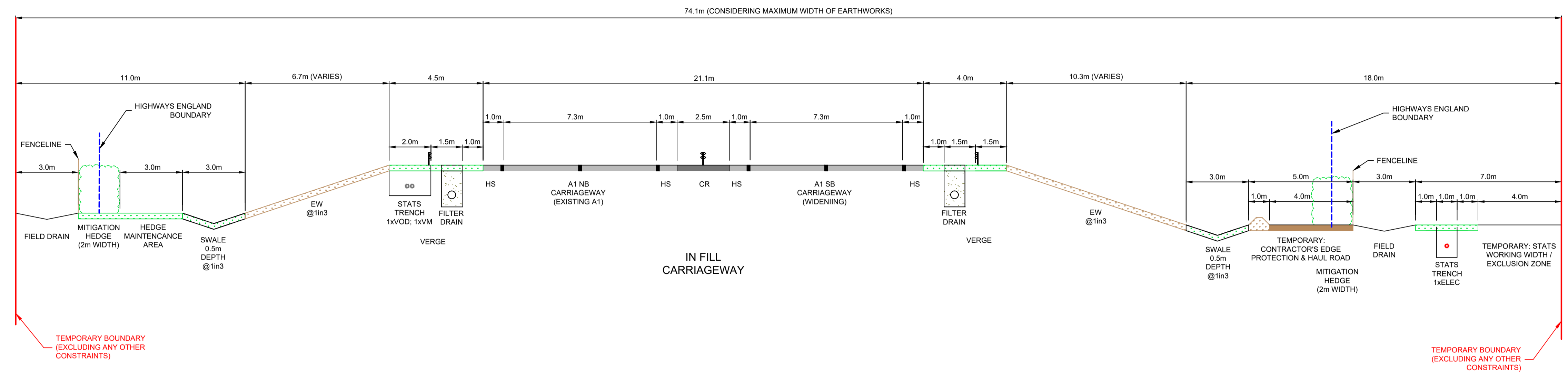
Rev.	Date	Description	By	Eng' Crk	Dis' Crk	App'd
P01	13/02/20	First Revision				

Suitability	Status	Project Title
For Information	S2	A1 in Northumberland Alnwick to Ellingham Scheme
<p>8 First Street Manchester M15 4RP</p> <p>T+44 1612 005 000 wsp.com</p>		Drawing Title
		Indicative Cross Section Section 1
Scale	Drawn	Eng. Check
NTS	NH	TO
Original Size	Date	Date
A1	13/02/20	13/02/20
Approved	Authorised	
MM	DM	
Date	Date	
13/02/20	13/02/20	
Drawing Number	Originator	Volume
HE PIN	WSP	HGN
HE551459		
Section	Direction	Role
A2E	DR	CH
Type	Type	Number
		00040
Revision	Revision	Revision
		P01
		PW Stage Code
		3

DO NOT SCALE

ONLINE SECTION

CH 53230 - 53810
 CH 54130 - 54980
 CH 55300 - 56945
 CH 57265 - 57470
 CH 57790 - 58255



- STATS**
- BT / VODAFONE / VIRGIN MEDIA
 - WATER MAIN
 - GAS MAIN
 - ELECTRICITY

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION

NOTES - Assumptions:

Area 14 requirements

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Safety Barrier

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- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

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Contractor

- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Rev.	Date	Description	By	Eng' Crk	Dis' Crk	App'd
P01	13/02/20	First Revision		NH	TO	MM DM

Sustainability	Status	Project Title			
For Information	S2	A1 in Northumberland Alnwick to Ellingham Scheme			
 8 First Street Manchester M15 4RP T+44 1612 005 000 wsp.com		Drawing Title			Revision
		Indicative Cross Section Section 2 (Sheet 1 of 2)			P01
Scale	Drawn	Eng. Check	Approved	Authorised	
Original Size	Date	Date	Date	Date	
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Drawing Number	Originator		Volume		Revision
HE PIN HE551459	WSP		HGN		P01
A2E	Section	DR	CH	00041	PW Stage Code
Type	ID	Type	Role	Number	3

ONLINE SECTION

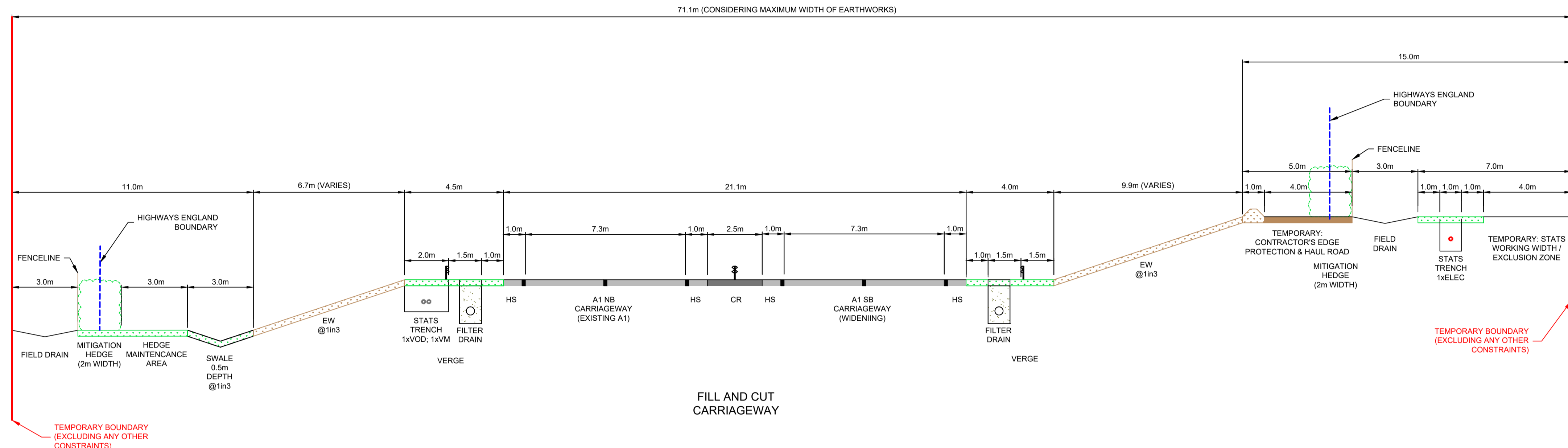
- CH 53230 - 53810
- CH 54130 - 54980
- CH 55300 - 56945
- CH 57265 - 57485
- CH 57790 - 58255

DO NOT SCALE

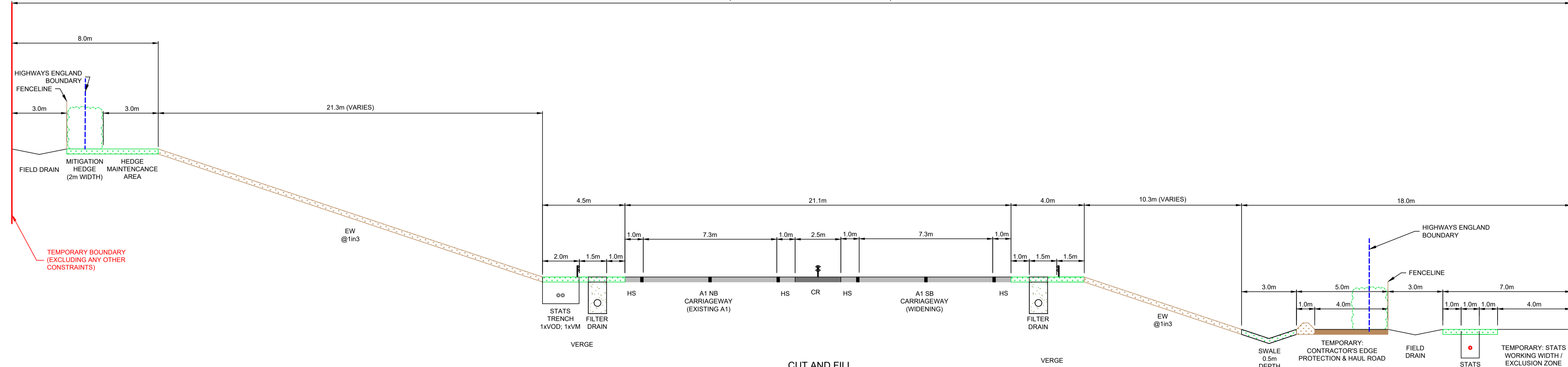
Millimetres

0 10

100



85.2m (CONSIDERING MAXIMUM WIDTH OF EARTHWORKS)



- STATS**
- BT / VODAFONE / VIRGIN MEDIA
 - WATER MAIN
 - GAS MAIN
 - ELECTRICITY

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION

- NOTES - Assumptions:**
- Area 14 requirements**
 - 2m clearance at the back of any earthwork slopes for grass cutting (not including swales).
 - 1m clearance to fixed assets (lighting column, VRS, sign posts, etc - not including swales).
 - Filter drain located in front of safety barrier for maintenance purposes.
 - Safety Barrier**
 - Where required, verge safety barrier assumed at back of filter drain.
 - Maximum working width assumed W4 (<1.3m), unless stated otherwise.
 - Drainage requirements**
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 - Northern Powergrid 66kV cable must be at least 6m from hedgerows containing large conifers and deciduous forest trees.
- Contractor**
- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

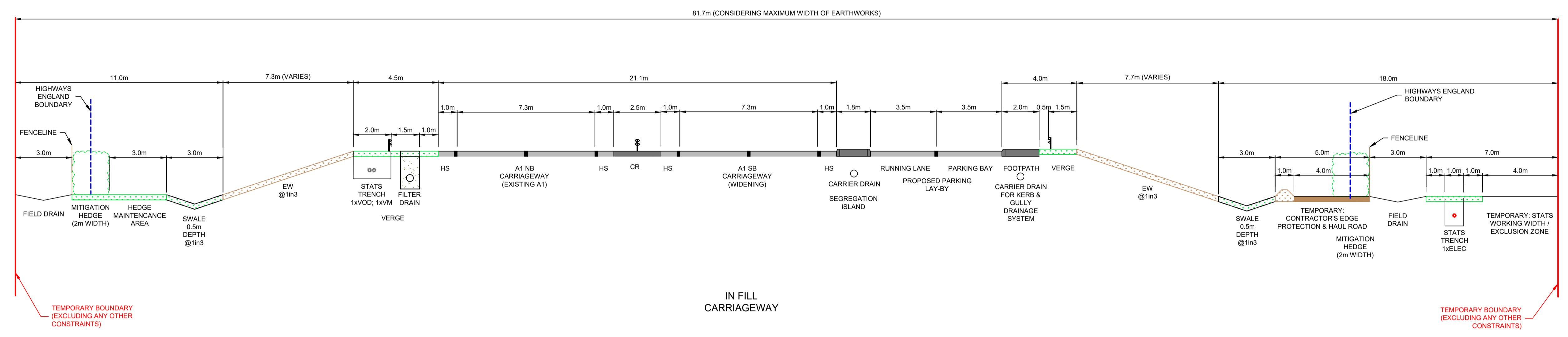
Rev.	Date	Description	By	Eng' Crk	Dis' Crk	App'd
P01	13/02/20	First Revision		NH	TO	MM

Suitability	Status	Project Title																				
For Information	S2	A1 in Northumberland Alnwick to Ellingham Scheme																				
<p>8 First Street Manchester M15 4RP</p> <p>T+44 1612 005 000 wsp.com</p>		Drawing Title Indicative Cross Section Section 2 (Sheet 2 of 2)																				
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Section A2E	Direction DR	Role CH																				
ID 00042	Type 	Number 																				
Revision P01		PW Stage Code 3																				

DO NOT SCALE

ONLINE SECTION

CH 53810 - 54130
CH 56945 - 57265



- STATS**
- BT / VODAFONE / VIRGIN MEDIA
 - WATER MAIN
 - GAS MAIN
 - ELECTRICITY

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION

NOTES - Assumptions:

Area 14 requirements

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Safety Barrier

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Drainage requirements

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Contractor

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Rev.	Date	Description	By	Eng' Crk	Dis' Crk	App'd
P01	13/02/20	First Revision		NH	TO	MM

For Information

8 First Street
Manchester
M15 4RP

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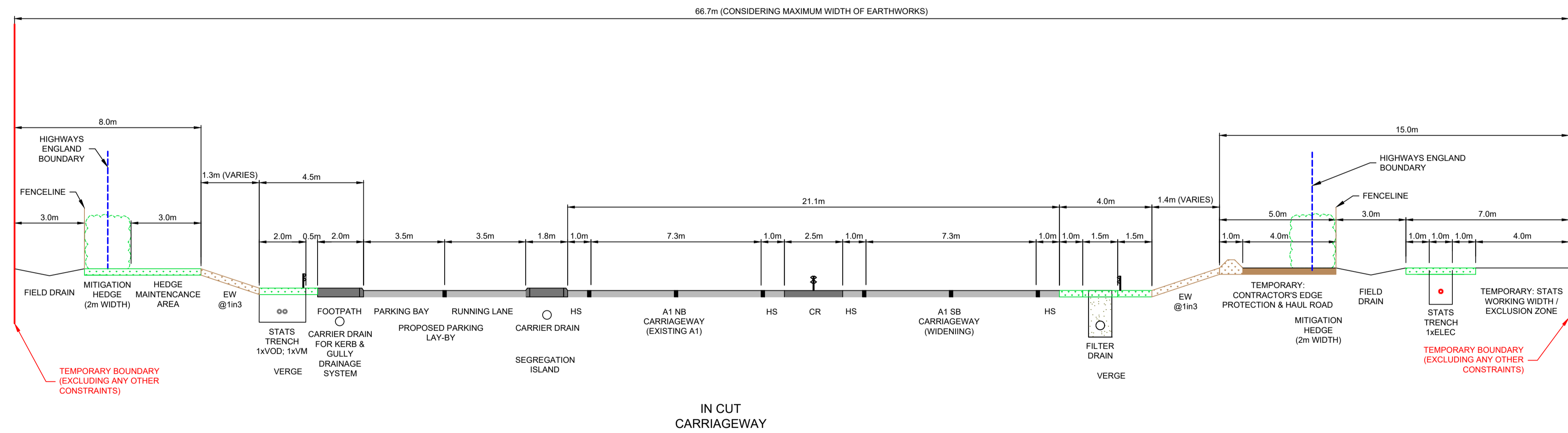
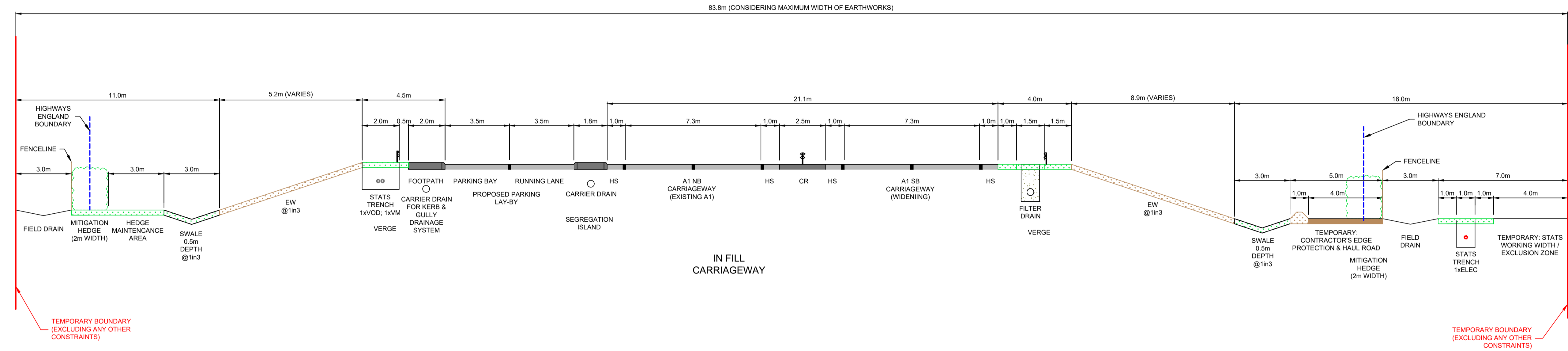
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For Information		S2		A1 in Northumberland Alnwick to Ellingham Scheme	
Drawing Title					
Indicative Cross Section Section 3					
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NTS	NH	TO	MM	DM	
Original Size	Date	Date	Date	Date	
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Drawing Number		Originator		Revision	
HE PIN		WSP		P01	
HE551459		HGN		PW Stage Code	
A2E		DR		00043	
Section	Type	ID	Direction	Type	Number
					3

DO NOT SCALE

ONLINE SECTION

CH 54980 - 55300

CH 57485 - 57790



STATS

- BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION

- NOTES - Assumptions:**
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 - 1m clearance to fixed assets (lighting column, VRS, sign posts, etc - not including swales).
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 - Safety Barrier**
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 - Maximum working width assumed W4 (<1.3m), unless stated otherwise.
 - Drainage requirements**
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- Contractor**
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Rev.	Date	Description	By	Eng' Crk	Dis' Crk	App'd
P01	13/02/20	First Revision		NH	TO	MM

Sustainability	Status	Project Title			
For Information	S2	A1 in Northumberland Alnwick to Ellingham Scheme			
 8 First Street Manchester M15 4RP T+44 1612 005 000 wsp.com		Drawing Title Indicative Cross Section Section 4 (Sheet 1 of 2)			Revision
© WSP UK Ltd	Client	Scale Original Size A1	Drawn Date 13/02/20	Eng. Check Date 13/02/20	Approved Date 13/02/20
		Drawing Number HE PIN HE551459	Originator WSP	Volume HGN	Revision P01
A2E	Section	DR	CH	00044	PW Stage Code 3

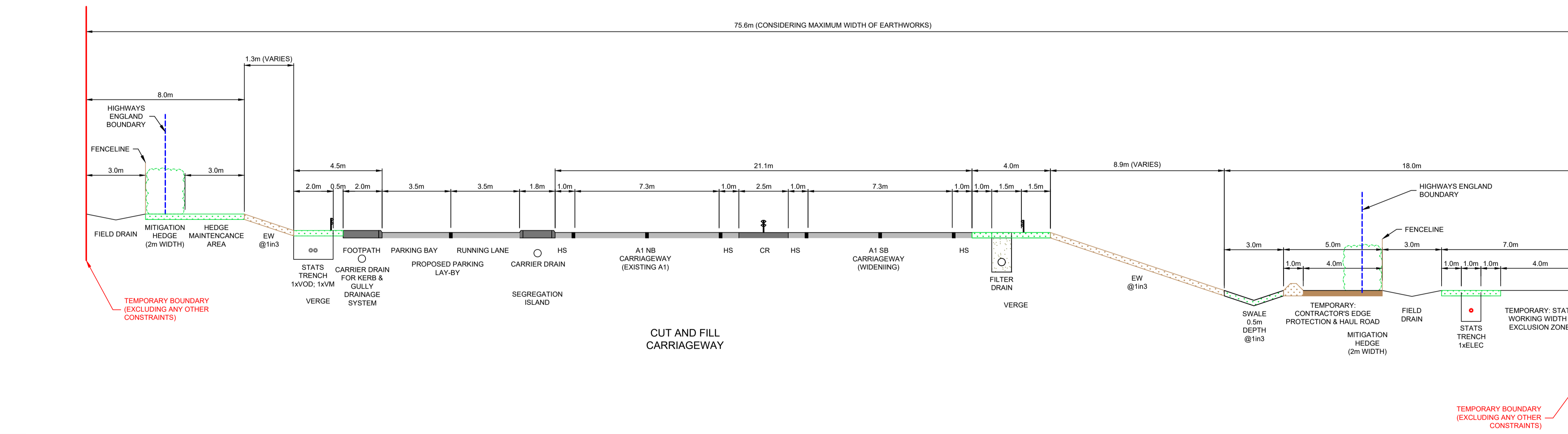
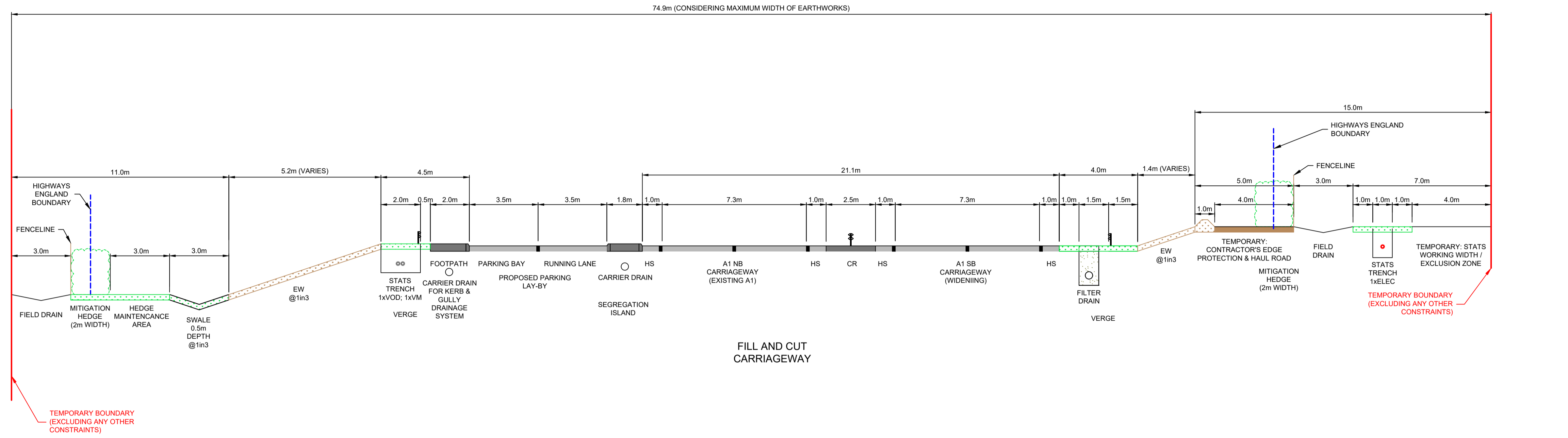
ONLINE SECTION

CH 54980 - 55300

CH 57485 - 57790

DO NOT SCALE

Millimetres



STATS

- BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION

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Contractor

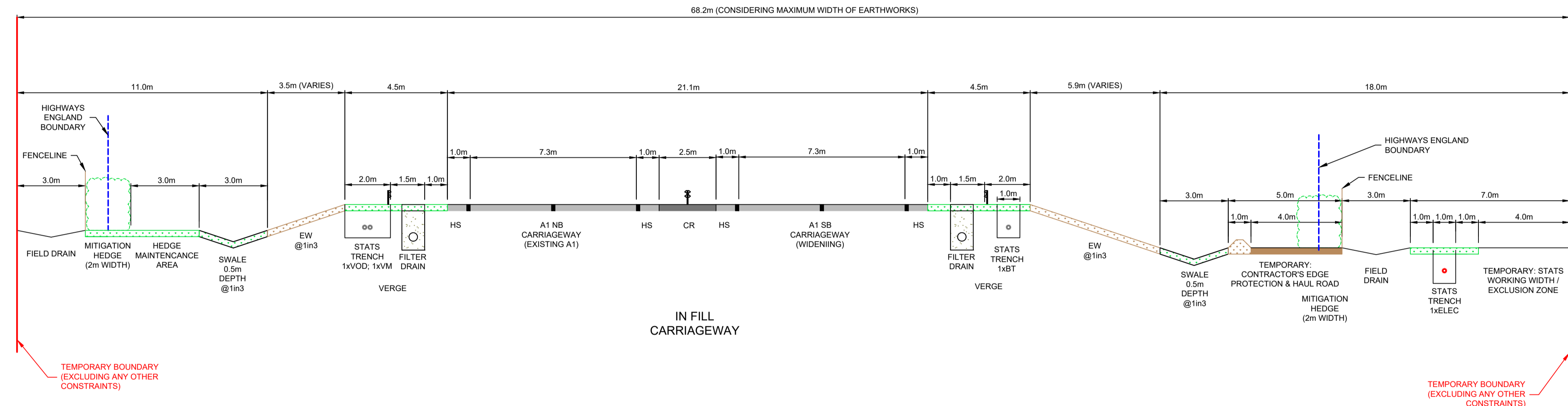
- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Rev.	Date	Description	By	Eng' Crk	Dis' Crk	App'd
P01	13/02/20	First Revision		NH	TO	MM

Sustainability		Status		Project Title			
For Information		S2		A1 in Northumberland Alnwick to Ellingham Scheme			
<p>8 First Street Manchester M15 4RP</p> <p>T+44 1612 005 000 wsp.com</p>		Drawing Title		Indicative Cross Section Section 4 (Sheet 2 of 2)			
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HE PIN		WSP		HGN		P01	
HE551459							
Drawing Section		Direction		Type		Number	
A2E		DR		CH		00045	
						3	

ONLINE SECTION CH 58255 - 58375

DO NOT SCALE



STATS

- BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION

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Rev.	Date	Description	By	Eng' Chk	Dis' Chk	App'd
P01	13/02/20	First Revision	NH	TO	MM	DM

Suitability: For Information

Status: S2

Project Title: A1 in Northumberland Alnwick to Ellingham Scheme

Drawing Title: Indicative Cross Section Section 5

Scale: NTS

Drawn: NH

Eng. Check: TO

Approved: MM

Authorised: DM

Original Size: A1

Date: 13/02/20

Date: 13/02/20

Date: 13/02/20

Date: 13/02/20

Drawing Number: HE551459

HE PIN: WSP

Originator: WSP

Volume: HGN

Revision: P01

A2E

Section: DR

Type: CH

ID: 00046

Number: 3

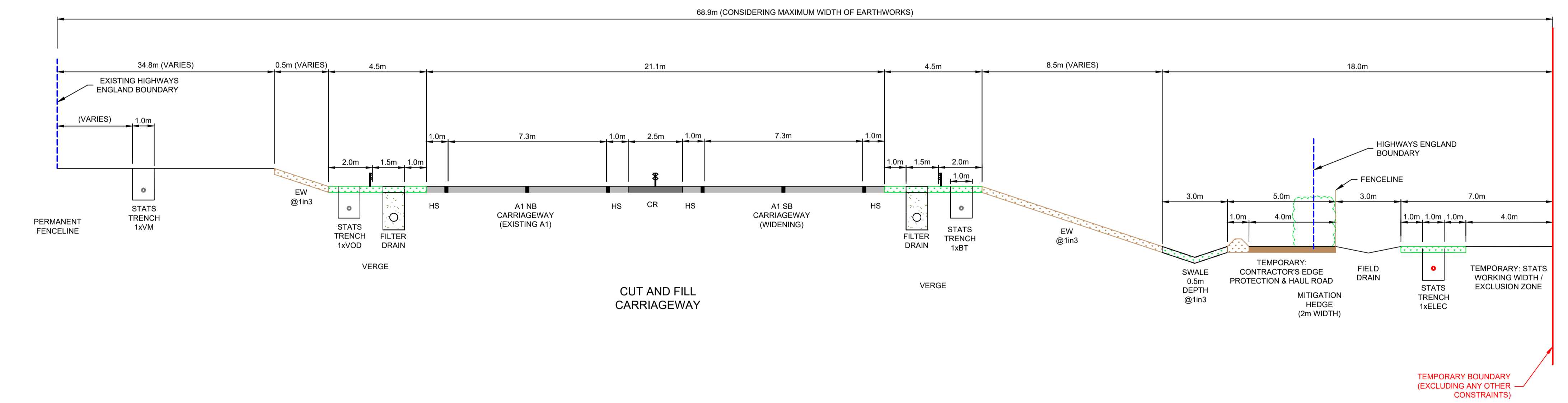
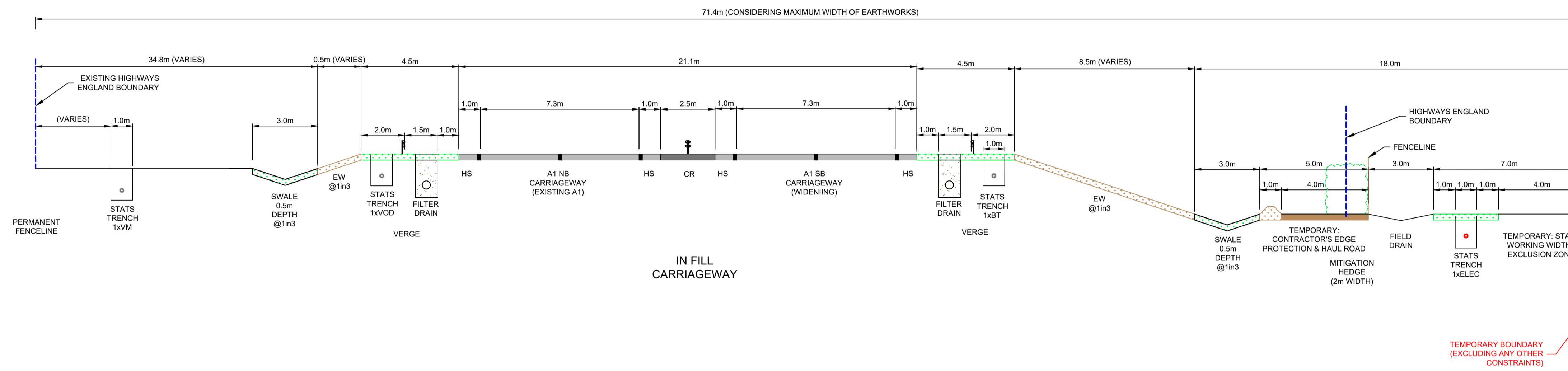
Client: highways england

Scale	Drawn	Eng. Check	Approved	Authorised
NTS	NH	TO	MM	DM

ONLINE SECTION CH 58375 - 58700

DO NOT SCALE

100
0 10
Millimetres



- STATS**
- BT / VODAFONE / VIRGIN MEDIA
 - WATER MAIN
 - GAS MAIN
 - ELECTRICITY

TEMPORARY BOUNDARY (EXCLUDING ANY OTHER CONSTRAINTS)

TEMPORARY BOUNDARY (EXCLUDING ANY OTHER CONSTRAINTS)

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION

NOTES - Assumptions:

Area 14 requirements

- 2m clearance at the back of any earthwork slopes for grass cutting (not including swales).
- 1m clearance to fixed assets (lighting column, VRS, sign posts, etc - not including swales).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
- Where the carriageway is in cutting and super-elevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.



Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.
- Northern Powergrid 66kV cable must be at least 6m from hedgerows containing large conifers and deciduous forest trees.

Contractor

- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

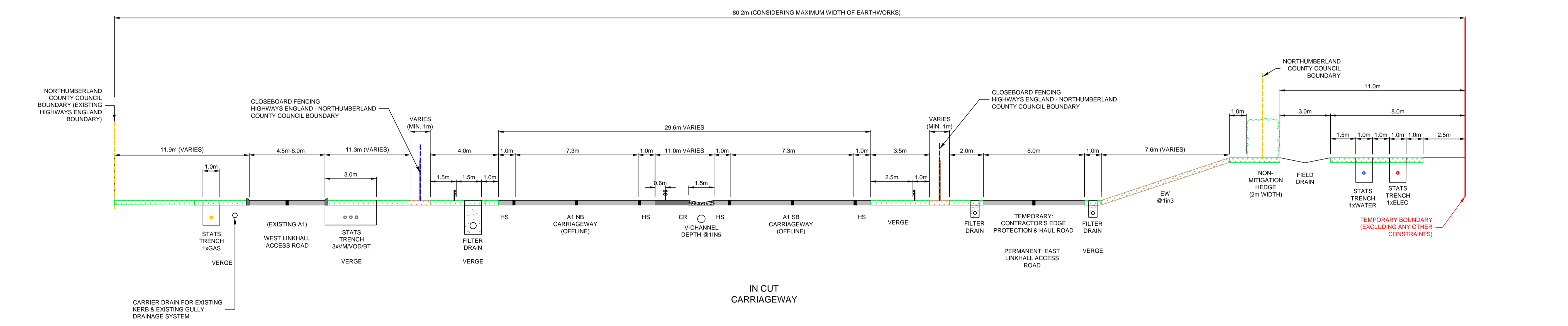
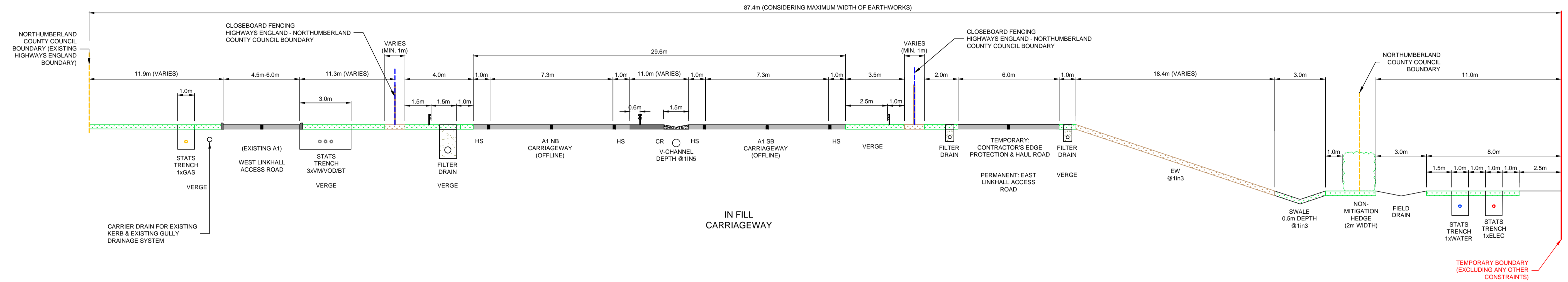
Rev.	Date	Description	By	Eng' Crk	Dis' Crk	App'd
P01	13/02/20	First Revision				

Suitability	Status	Project Title																																												
For Information	S2	A1 in Northumberland Alnwick to Ellingham Scheme																																												
 <p>8 First Street Manchester M15 4RP</p> <p>T+44 1612 005 000 wsp.com</p>																																														
																																														
Client	Drawing Title	Revision																																												
highways england	Indicative Cross Section Section 6	P01																																												
<table border="1"> <tr> <th>Scale</th> <th>Drawn</th> <th>Eng. Check</th> <th>Approved</th> <th>Authorised</th> </tr> <tr> <td>NTS</td> <td>NH</td> <td>TO</td> <td>MM</td> <td>DM</td> </tr> <tr> <td>Original Size</td> <td>Date</td> <td>Date</td> <td>Date</td> <td>Date</td> </tr> <tr> <td>A1</td> <td>13/02/20</td> <td>13/02/20</td> <td>13/02/20</td> <td>13/02/20</td> </tr> </table>	Scale	Drawn	Eng. Check	Approved	Authorised	NTS	NH	TO	MM	DM	Original Size	Date	Date	Date	Date	A1	13/02/20	13/02/20	13/02/20	13/02/20	<table border="1"> <tr> <td>Drawing Number</td> <td>Originator</td> <td>Volume</td> <td>Revision</td> </tr> <tr> <td>HE PIN</td> <td>WSP</td> <td>HGN</td> <td></td> </tr> <tr> <td>HE551459</td> <td></td> <td></td> <td></td> </tr> <tr> <td>A2E</td> <td>DR</td> <td>CH</td> <td>00047</td> </tr> <tr> <td>Section</td> <td>Type</td> <td>Role</td> <td>Number</td> </tr> </table>	Drawing Number	Originator	Volume	Revision	HE PIN	WSP	HGN		HE551459				A2E	DR	CH	00047	Section	Type	Role	Number	<table border="1"> <tr> <td>Revision</td> <td>PW Stage Code</td> </tr> <tr> <td>3</td> <td></td> </tr> </table>	Revision	PW Stage Code	3	
Scale	Drawn	Eng. Check	Approved	Authorised																																										
NTS	NH	TO	MM	DM																																										
Original Size	Date	Date	Date	Date																																										
A1	13/02/20	13/02/20	13/02/20	13/02/20																																										
Drawing Number	Originator	Volume	Revision																																											
HE PIN	WSP	HGN																																												
HE551459																																														
A2E	DR	CH	00047																																											
Section	Type	Role	Number																																											
Revision	PW Stage Code																																													
3																																														

OFFLINE SECTION CH 59020 - 59440

DO NOT SCALE

100
0 10
Millimetres



- STATS**
- BT / VODAFONE / VIRGIN MEDIA
 - WATER MAIN
 - GAS MAIN
 - ELECTRICITY

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION

NOTES - Assumptions:

Area 14 requirements

- 2m clearance at the back of any earthwork slopes for grass cutting (not including swales).
- 1m clearance to fixed assets (lighting column, VRS, sign posts, etc - not including swales).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
- Where the carriageway is in cutting and super-elevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
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- Northern Powergrid 66kV cable must be at least 6m from hedgerows containing large conifers and deciduous forest trees.

Contractor

- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P02	15/06/21	Widening of East Linkhall Access Road for Deadline 09	NH	TO	MM	IS
P01	13/02/20	First Revision	NH	TO	MM	DM

For Information

wsp

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M15 4RP

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**highways
england**

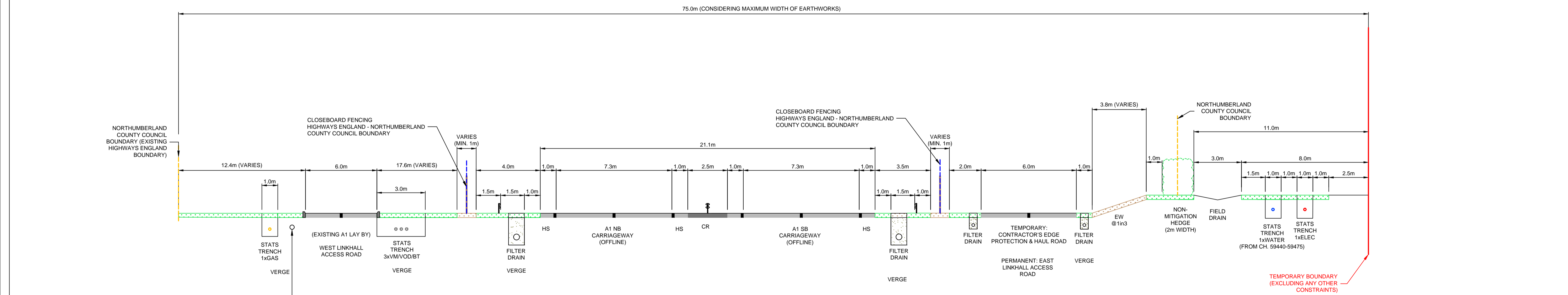
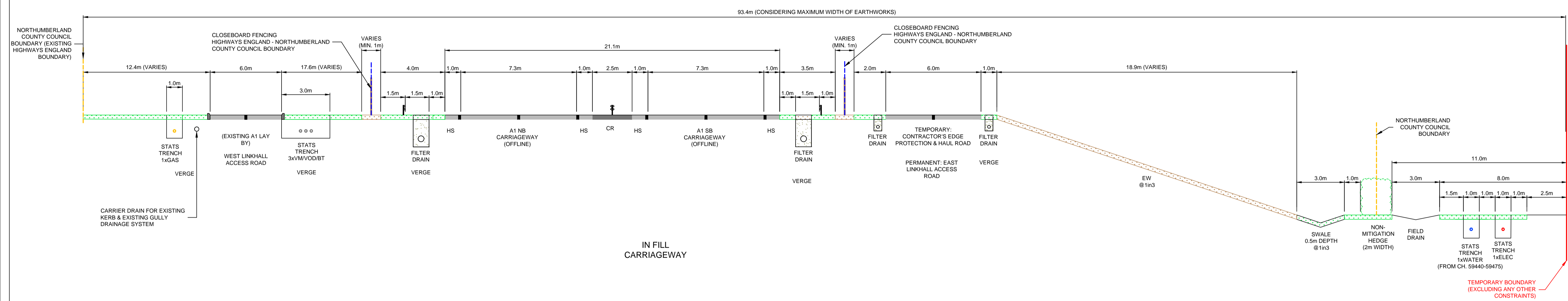
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Drawing Title	Indicative Cross Section Section 8				
Scale	NTS	Drawn	NH	Eng. Check	TO
Original Size	A1	Date	15/06/21	Date	15/06/21
Approved	MM	Date	15/06/21	Authorised	IS
Drawing Number	HE551459	Originator	WSP	Volume	HGN
HE PIN	A2E	Direction	DR	CH	00049
Revision	P02	PW Stage Code	3		

OFFLINE SECTION

CH 59440 - 59625

DO NOT SCALE

Millimetres
0 10 100



STATS

- BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

CARRIER DRAIN FOR EXISTING KERB & EXISTING GULLY DRAINAGE SYSTEM

NOTES - Assumptions:

Area 14 requirements

- 2m clearance at the back of any earthwork slopes for grass cutting (not including swales).
- 1m clearance to fixed assets (lighting column, VRS, sign posts, etc - not including swales).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
- Where the carriageway is in cutting and super-elevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
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- Northern Powergrid 66kV cable must be at least 6m from hedgerows containing large conifers and deciduous forest trees.

Contractor

- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P02	15/06/21	Widening of East Linkhall Access Road for Deadline 09	NH	TO	MM	IS
P01	13/02/20	First Revision	NH	TO	MM	DM

Sustainability		Status		Project Title		
For Information		S2		A1 in Northumberland: Morpeth to Ellingham Part B of the Scheme: Alnwick to Ellingham		
<p>8 First Street Manchester M15 4RP</p> <p>T+44 1612 005 000 wsp.com</p>		Drawing Title		Indicative Cross Section Section 9		
		Scale		Original Size		Revision
		NTS	NH	TO	MM	IS
Client		Date	Date	Date	Date	Date
<p>HE PIN: HE551459</p> <p>A2E Section</p>		15/06/21	15/06/21	15/06/21	15/06/21	15/06/21
<p>Originator: WSP</p> <p>Volume: HGN</p>		<p>DR CH 00050</p>		<p>P02</p>		
<p>HE551459-WSP-HGN-A2E-DR-CH-00050</p>		<p>DR CH 00050</p>		<p>PW Stage Code: 3</p>		

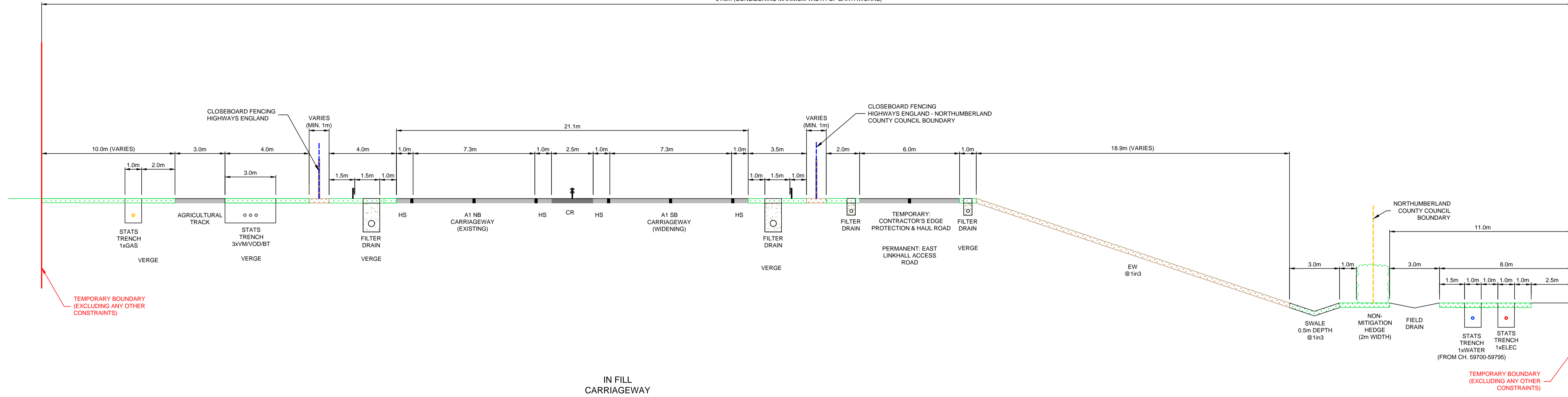
ONLINE SECTION

CH 59625 - 59795

DO NOT SCALE

Millimetres
0 10 100

91.9m (CONSIDERING MAXIMUM WIDTH OF EARTHWORKS)



IN FILL CARRIAGEWAY

TEMPORARY BOUNDARY (EXCLUDING ANY OTHER CONSTRAINTS)

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION

STATS

- BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES - Assumptions:

Area 14 requirements

- 2m clearance at the back of any earthwork slopes for grass cutting (not including swales).
- 1m clearance to fixed assets (lighting column, VRS, sign posts, etc - not including swales).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
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Signage

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- Northern Powergrid 66kV cable must be at least 6m from hedgerows containing large conifers and deciduous forest trees.

Contractor

- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P02	15/06/21	Widening of East Linkhall Access Road for Deadline 09	NH	TO	MM	IS
P01	13/02/20	First Revision	NH	TO	MM	DM

For Information

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M15 4RP

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wsp.com

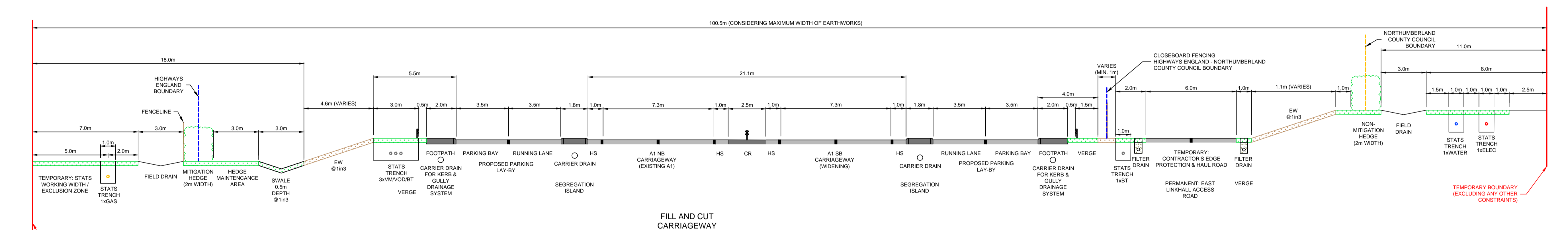
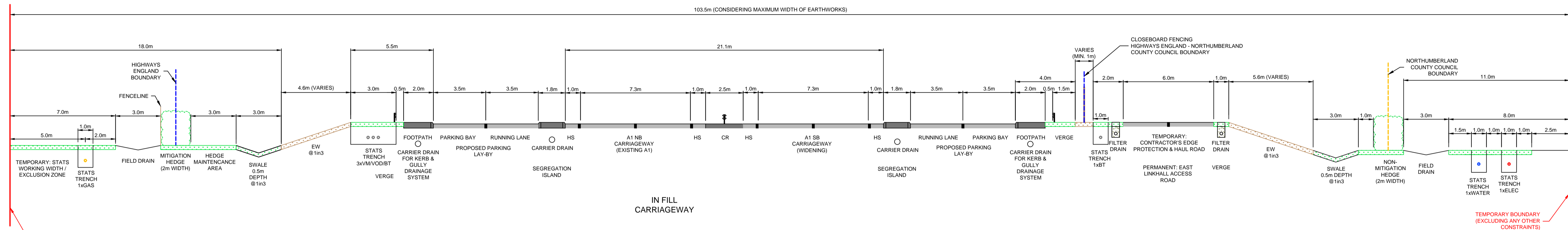
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highways
england

Project Title	A1 in Northumberland: Morpeth to Ellingham Part B of the Scheme: Alnwick to Ellingham				
Drawing Title	Indicative Cross Section Section 10				
Scale	NTS	Drawn	Eng. Check	Approved	Authorised
Original Size	A1	Date	Date	Date	Date
		15/06/21	15/06/21	15/06/21	15/06/21
Drawing Number	HE PIN	Originator	Volume	Revision	
HE551459		WSP	HGN	P02	
A2E	Section	DR	CH	00056	PW Stage Code
					3

ONLINE SECTION CH 59795 - 60115

DO NOT SCALE



- STATS**
- BT / VODAFONE / VIRGIN MEDIA
 - WATER MAIN
 - GAS MAIN
 - ELECTRICITY

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION

NOTES - Assumptions:

Area 14 requirements

- 2m clearance at the back of any earthwork slopes for grass cutting (not including swales).
- 1m clearance to fixed assets (lighting column, VRS, sign posts, etc - not including swales).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
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Contractor

- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P02	15/06/21	Widening of East Linkhall Access Road for Deadline 09		NH	TO	MM IS
P01	13/02/20	First Revision		NH	TO	MM DM

For Information

8 First Street
Manchester
M15 4RP

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wsp.com

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Suitability	Status	Project Title
For Information	S2	A1 in Northumberland: Morpeth to Ellingham Part B of the Scheme: Alnwick to Ellingham
Drawing Title		
Indicative Cross Section Section 11		
Scale	Drawn	Eng. Check
NTS	NH	TO
Original Size	Date	Date
A1	15/06/21	15/06/21
Approved	Authorised	
MM	IS	
Date	Date	
15/06/21	15/06/21	
Volume	Revision	
HGN	P02	
Drawing Number	HE PIN	
HE551459	WSP	
Drawing Number	Type	ID
A2E	DR	CH
Section	Type	Role
		Number
		00057
		3

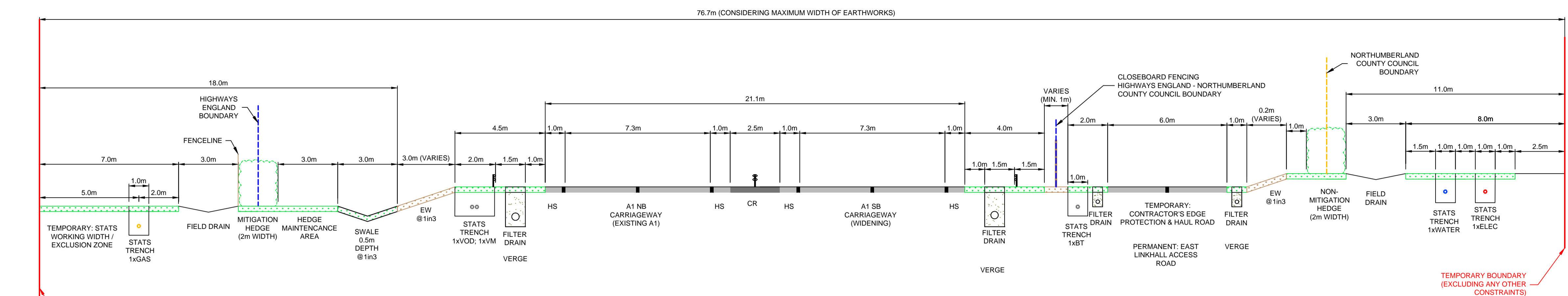
Confidential

ONLINE SECTION CH 60115 - 60200

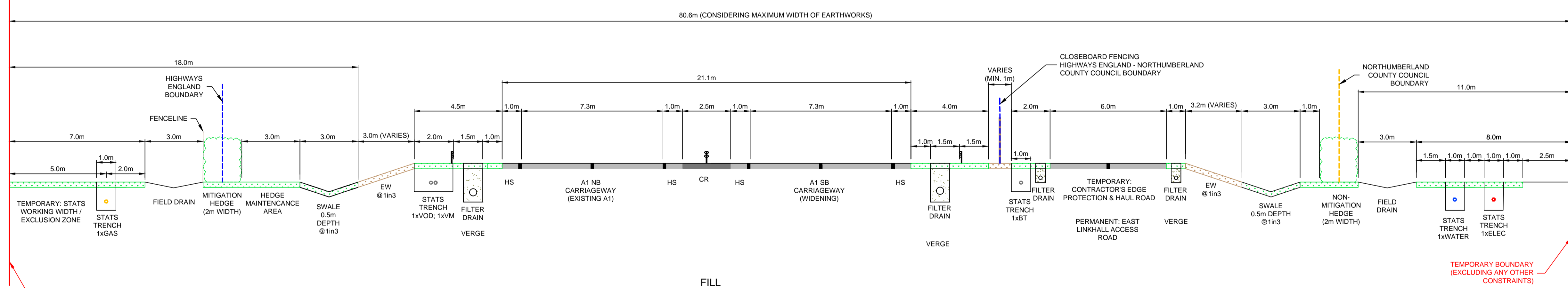
DO NOT SCALE

Millimetres

0 10 100



FILL AND CUT CARRIAGEWAY



FILL CARRIAGEWAY

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION

STATS

- BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES - Assumptions:

Area 14 requirements

- 2m clearance at the back of any earthwork slopes for grass cutting (not including swales).
- 1m clearance to fixed assets (lighting column, VRS, sign posts, etc - not including swales).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
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Signage

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Contractor

- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P02	15/06/21	Widening of East Linkhall Access Road for Deadline 09	NH	TO	MM	IS
P01	13/02/20	First Revision	NH	TO	MM	DM

Suitability: For Information

Status: S2

Project Title: A1 in Northumberland: Morpeth to Ellingham Part B of the Scheme: Alnwick to Ellingham

Drawing Title: Indicative Cross Section Section 12

Scale: NTS

Drawn: NH

Eng. Check: TO

Approved: MM

Authorised: IS

Original Size: A1

Date: 15/06/21

Date: 15/06/21

Date: 15/06/21

Date: 15/06/21

Drawing Number: HE551459

HE PIN: HE551459

Originator: WSP

HGN

DR CH 00058

Section: A2E

Type: DR

ID: CH

00058

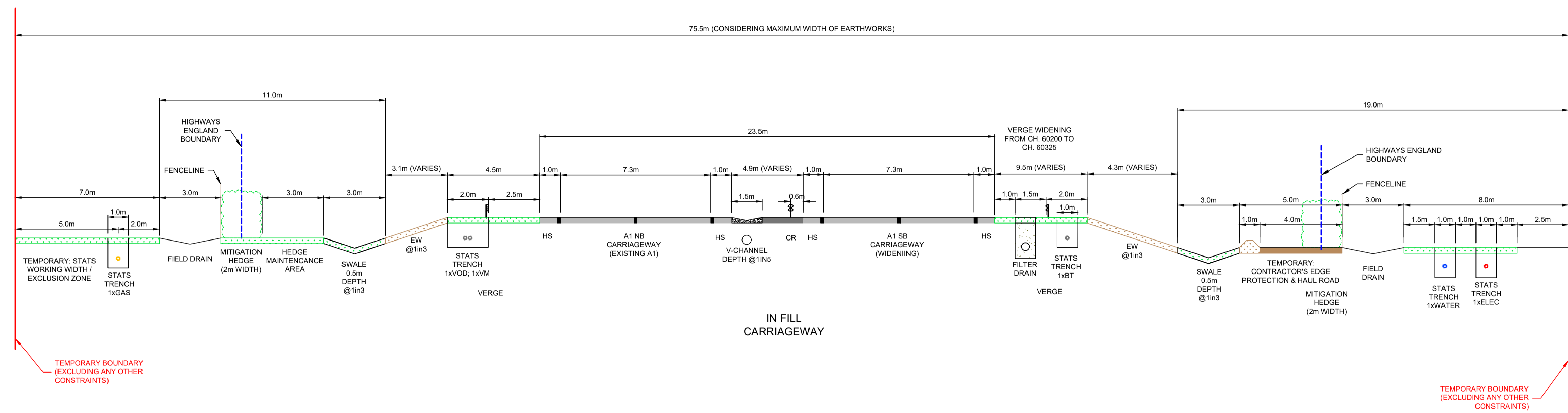
Revision: P02

PW Stage Code: 3

Scale	Drawn	Eng. Check	Approved	Authorised
NTS	NH	TO	MM	IS

ONLINE SECTION CH 60200 - 60325

DO NOT SCALE



IN FILL
CARRIAGEWAY

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION

STATS

- BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES - Assumptions:

Area 14 requirements

- 2m clearance at the back of any earthwork slopes for grass cutting (not including swales).
- 1m clearance to fixed assets (lighting column, VRS, sign posts, etc - not including swales).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
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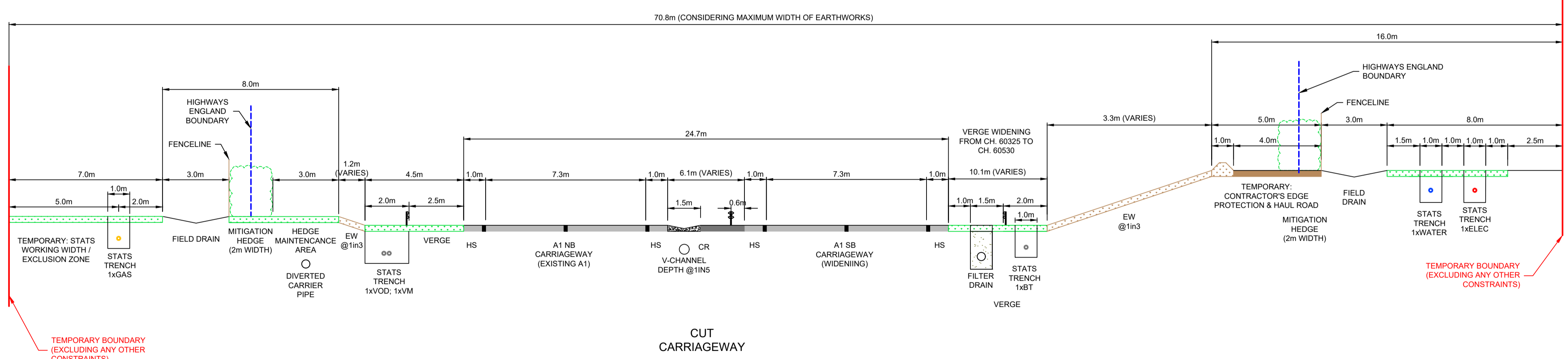
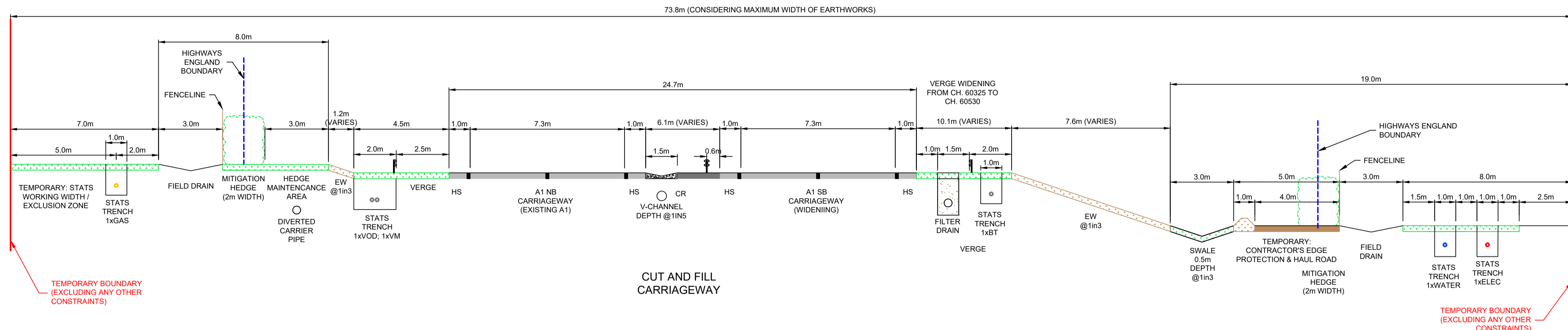
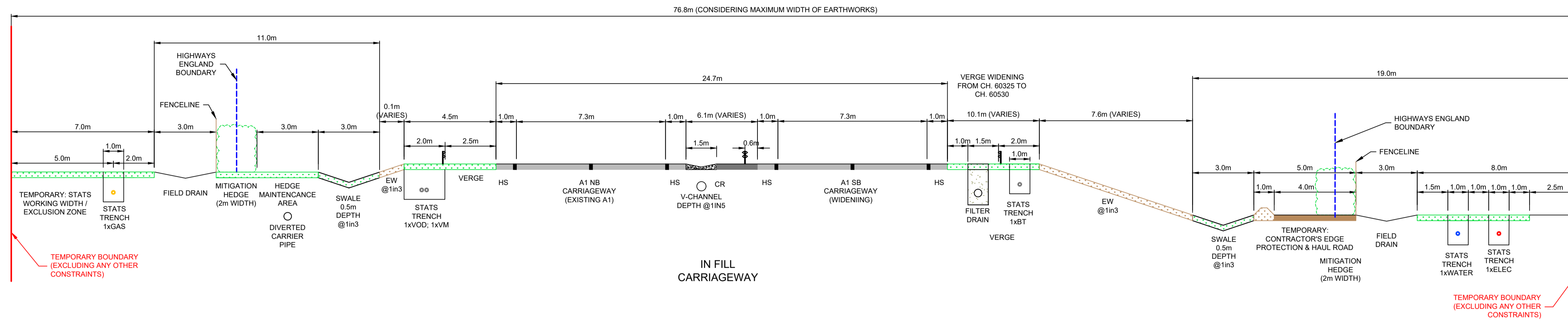
Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	13/02/20	First Revision		NH	TO	MM

Suitability	Status	Project Title
For Information	S2	A1 in Northumberland Alnwick to Ellingham Scheme
<p>8 First Street Manchester M15 4RP</p> <p>T+44 1612 005 000 wsp.com</p>		
Client	Volume	Revision
HE PIN	WSP	P01
HE551459	HGN	
A2E	DR	CH
Section	Type	Role
	ID	Number
		00059
		3

ONLINE SECTION CH 60325 - 60530

DO NOT SCALE

Millimetres



- STATS**
- BT / VODAFONE / VIRGIN MEDIA
 - WATER MAIN
 - GAS MAIN
 - ELECTRICITY

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION

NOTES - Assumptions:

Area 14 requirements

- 2m clearance at the back of any earthwork slopes for grass cutting (not including swales).
- 1m clearance to fixed assets (lighting column, VRS, sign posts, etc - not including swales).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
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- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.
- Northern Powergrid 66kV cable must be at least 6m from hedgerows containing large conifers and deciduous forest trees.

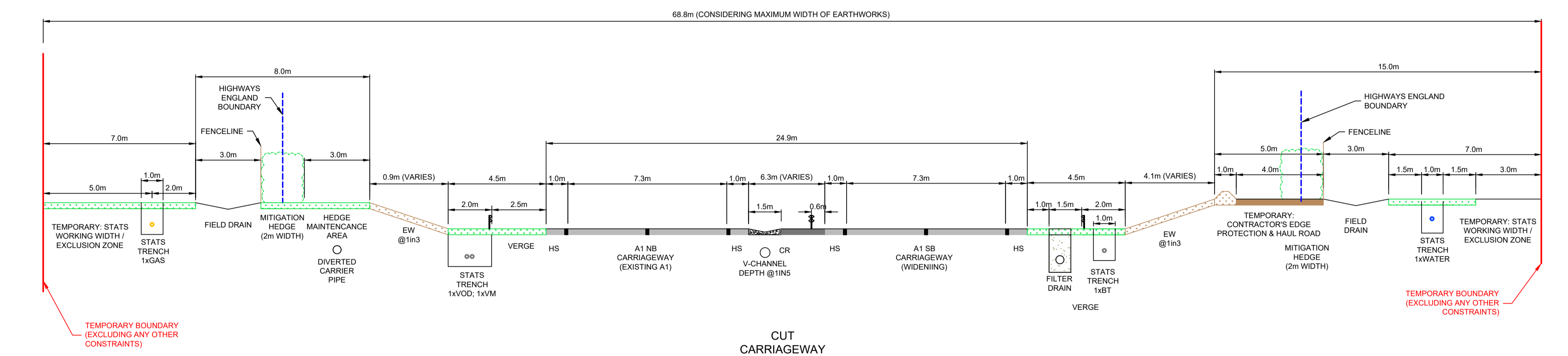
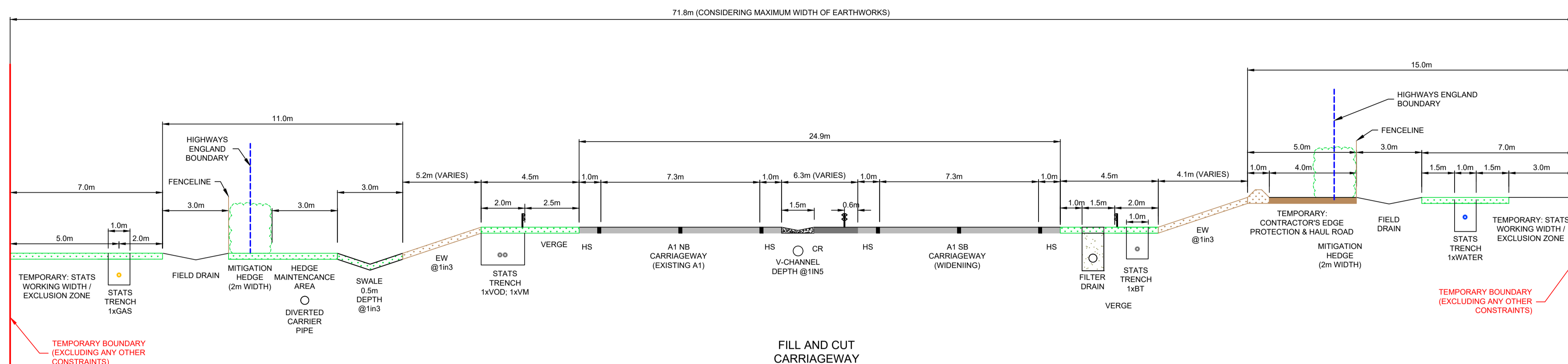
Contractor

- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Rev.	Date	Description	By	Eng' Chk	Dis' Chk	App'd
P01	13/02/20	First Revision		NH	TO	MM

Suitability	Status	Project Title
For Information	S2	A1 in Northumberland Alnwick to Ellingham Scheme
<p>8 First Street Manchester M15 4RP</p> <p>T+44 1612 005 000 wsp.com</p>		
Client	Volume	Revision
HE PIN	WSP	HGN
HE551459		P01
Section	Type	ID
A2E	DR	CH
	00060	
		3

ONLINE SECTION CH 60530 - 60615



CUT CARRIAGEWAY

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION

STATS

- BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES - Assumptions:

Area 14 requirements

- 2m clearance at the back of any earthwork slopes for grass cutting (not including swales).
- 1m clearance to fixed assets (lighting column, VRS, sign posts, etc - not including swales).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
- Where the carriageway is in cutting and super-elevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.
- Northern Powergrid 66kV cable must be at least 6m from hedgerows containing large conifers and deciduous forest trees.

Contractor

- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	13/02/20	First Revision		NH	TO	MM DM

Suitability		Status		Project Title			
For Information		S2		A1 in Northumberland Alnwick to Ellingham Scheme			
<p>8 First Street Manchester M15 4RP</p> <p>T+44 1612 005 000 wsp.com</p>				Drawing Title			
				Indicative Cross Section Section 15			
Client		Drawing Number		Scale		Revision	
HE PIN		HE551459		NTS		P01	
A2E		A2E		Original Size		PW Stage Code	
Section		Type		Date		Number	
ID		DR		13/02/20		3	
Type		CH		13/02/20		00074	
ID		DR		13/02/20		00074	
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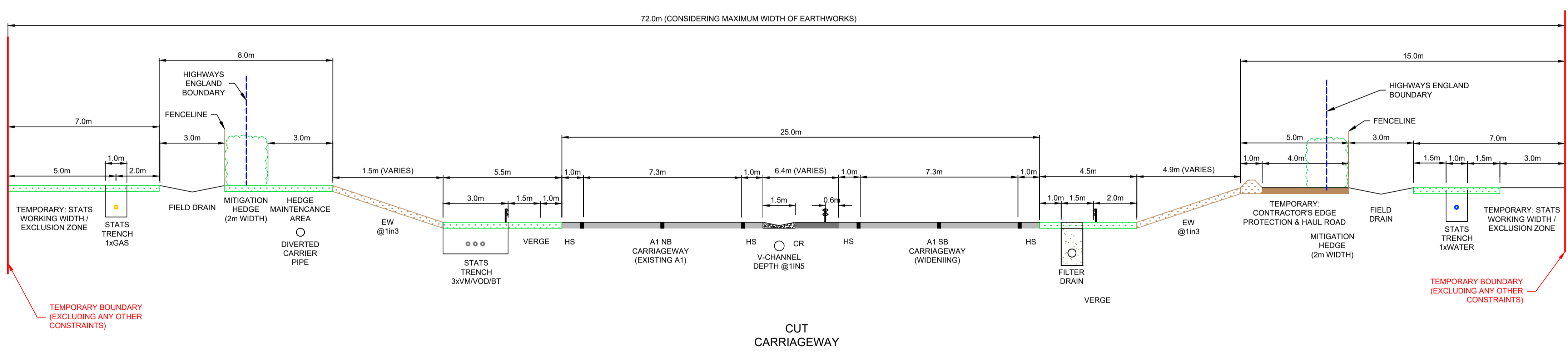
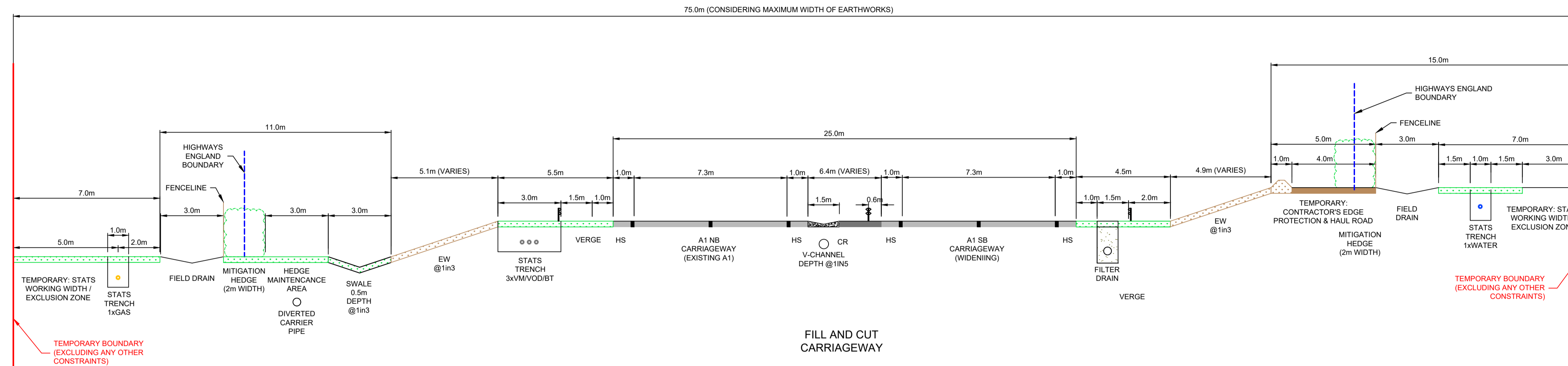
ONLINE SECTION CH 60615 - 60880

DO NOT SCALE

Millimetres

0 10

100



- STATS**
- BT / VODAFONE / VIRGIN MEDIA
 - WATER MAIN
 - GAS MAIN
 - ELECTRICITY

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION

NOTES - Assumptions:

Area 14 requirements

- 2m clearance at the back of any earthwork slopes for grass cutting (not including swales).
- 1m clearance to fixed assets (lighting column, VRS, sign posts, etc - not including swales).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
- Where the carriageway is in cutting and super-elevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

- For stats diversions, all telecommunication services (BT/Virgin Media/Vodafone) are located in verges for maintenance access. All other services are located in private land by default, but may be located in verges where required.
- In fields, total width allowance for stats is a minimum of 7m. This is made up of a 4m temporary working width, 1m minimum trench width (1m for single utility, additional 1m per utility) with 1m clearance either side of the trench.
- Northern Powergrid 66kV cable must be at least 6m from hedgerows containing large conifers and deciduous forest trees.

Contractor

- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

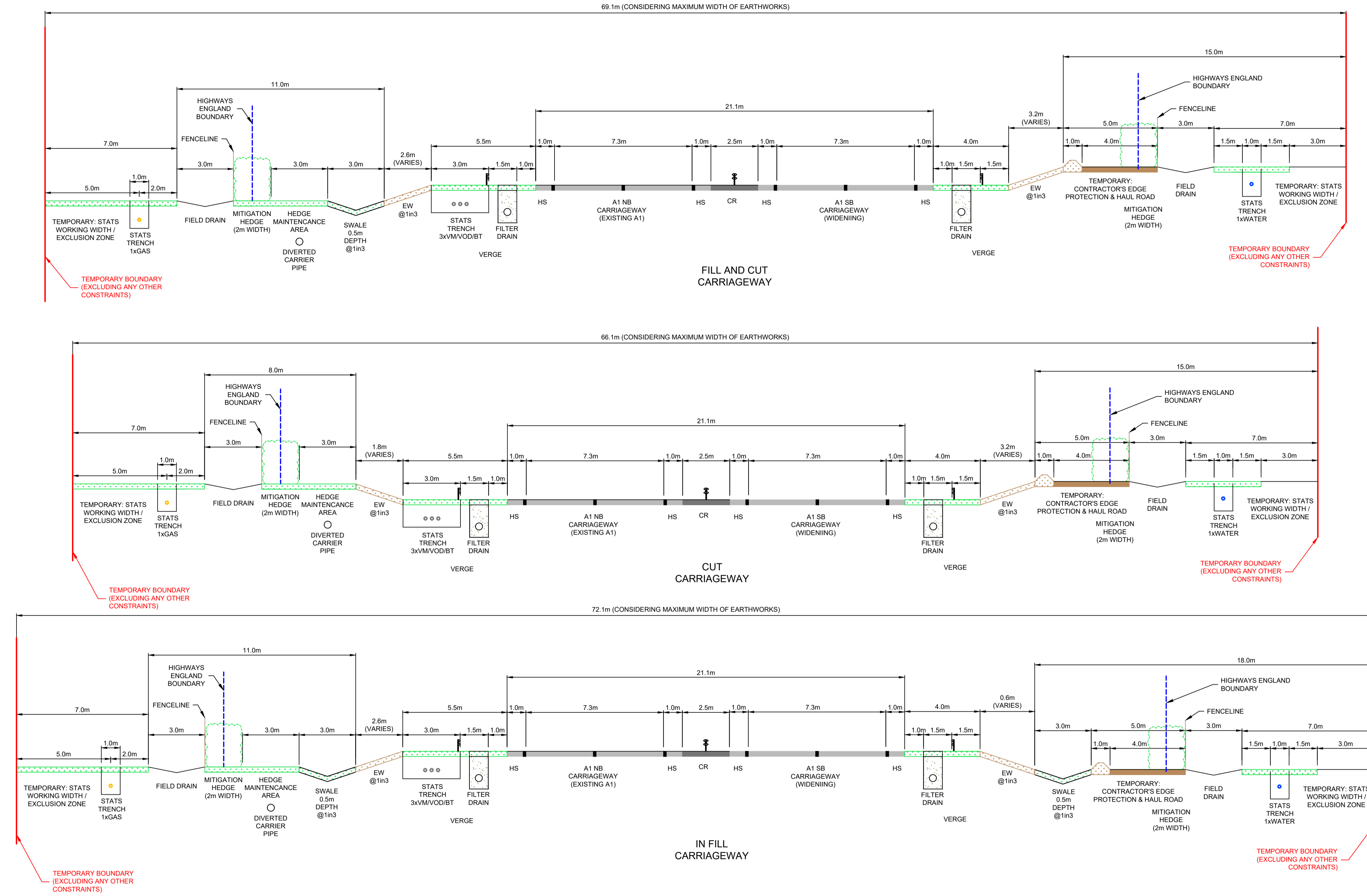
Rev.	Date	Description	By	Eng' Crk	Dis' Crk	App'd
P01	13/02/20	First Revision		NH	TO	MM DM

Sustainability		Status		Project Title			
For Information		S2		A1 in Northumberland Alnwick to Ellingham Scheme			
<p>8 First Street Manchester M15 4RP</p> <p>T+44 1612 005 000 wsp.com</p>				Drawing Title			
				Indicative Cross Section Section 16			
Scale	Drawn	Eng. Check	Approved	Authorised			
NTS	NH	TO	MM	DM			
Original Size	Date	Date	Date	Date			
A1	13/02/20	13/02/20	13/02/20	13/02/20			
Drawing Number		Originator		Volume		Revision	
HE PIN		WSP		HGN		P01	
HE551459							
Drawing Number		Direction		Role		Number	
A2E		DR		CH		00075	
Section		Type		ID		PW Stage Code	
						3	

ONLINE SECTION CH 60880 - 61100

DO NOT SCALE

100
0 10
Millimetres



- STATS**
- BT / VODAFONE / VIRGIN MEDIA
 - WATER MAIN
 - GAS MAIN
 - ELECTRICITY

ENVIRONMENTAL MITIGATION AREA NOT CURRENTLY SHOWN IN THE SECTION

NOTES - Assumptions:

Area 14 requirements

- 2m clearance at the back of any earthwork slopes for grass cutting (not including swales).
- 1m clearance to fixed assets (lighting column, VRS, sign posts, etc - not including swales).
- Filter drain located in front of safety barrier for maintenance purposes.

Safety Barrier

- Where required, verge safety barrier assumed at back of filter drain.
- Maximum working width assumed W4 (<1.3m), unless stated otherwise.

Drainage requirements

- For online sections, where existing carriageway is not being widened, all highway drainage works will be undertaken within the existing fenceline.
- Where the carriageway is in cutting and super-elevated, filter drain for earthworks will be incorporated within the slope of the cutting to minimise verge width requirements.

Signage

- A 6m wide sign can be accommodated on a 4.5m wide earthwork slope. If earthworks are less than 4.5m wide, additional land may be required.

Stats requirements

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- Northern Powergrid 66kV cable must be at least 6m from hedgerows containing large conifers and deciduous forest trees.

Contractor

- Permanent fenceline (2m hedge width) to overlap with haul road for online sections unless stated otherwise.

Rev.	Date	Description	By	Eng' Crk	Dis' Crk	App'd
P01	13/02/20	First Revision		NH	TO	MM

Suitability: For Information | Status: S2

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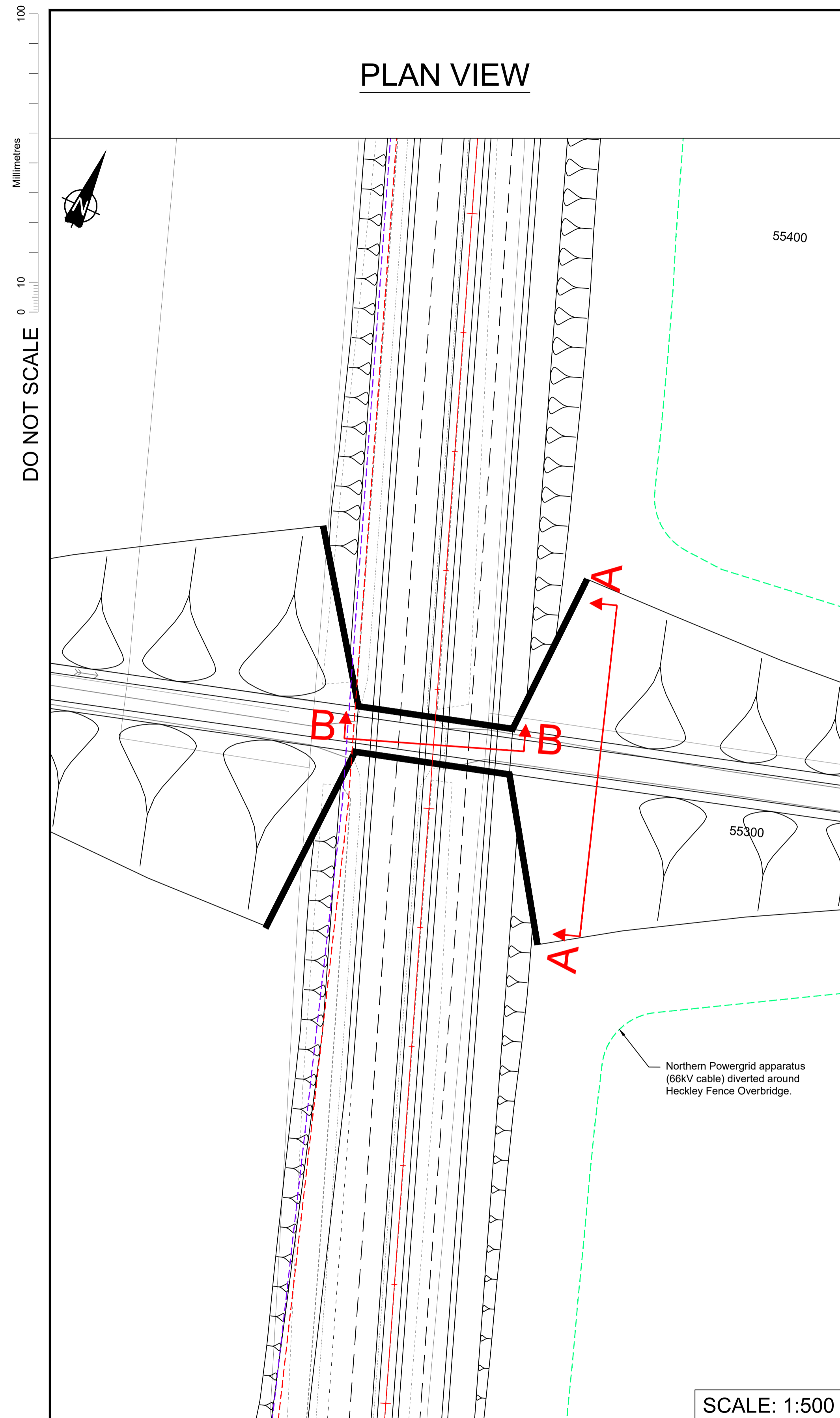
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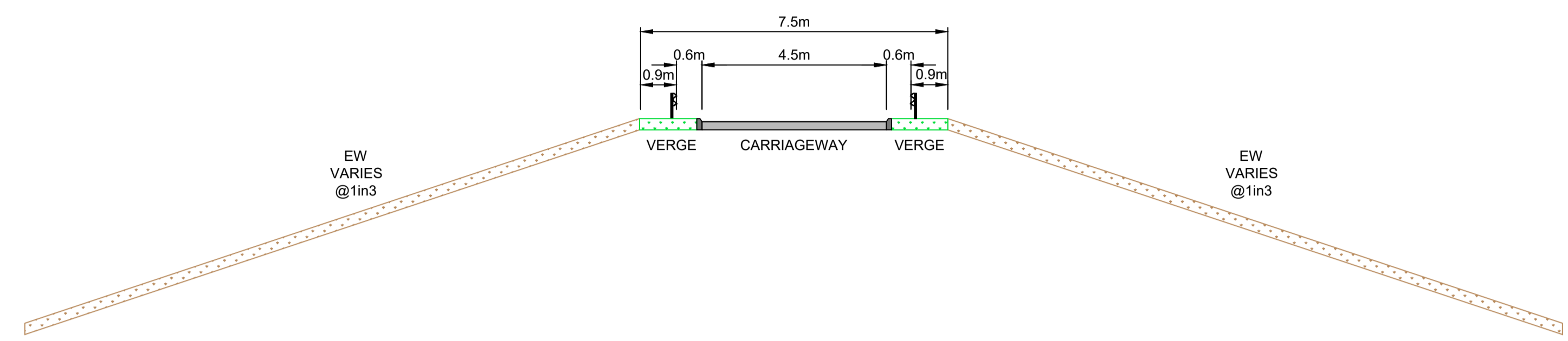
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Drawing Title		Indicative Cross Section Section 17			
Scale	Drawn	Eng. Check	Approved	Authorised	
NTS	NH	TO	MM	DM	
Original Size	Date	Date	Date	Date	
A1	13/02/20	13/02/20	13/02/20	13/02/20	
Drawing Number	HE PIN	Originator	Volume	Revision	
HE551459		WSP	HGN	P01	
Section	Type	Direction	Type	Role	Number
A2E		DR	CH	00077	3

PLAN VIEW



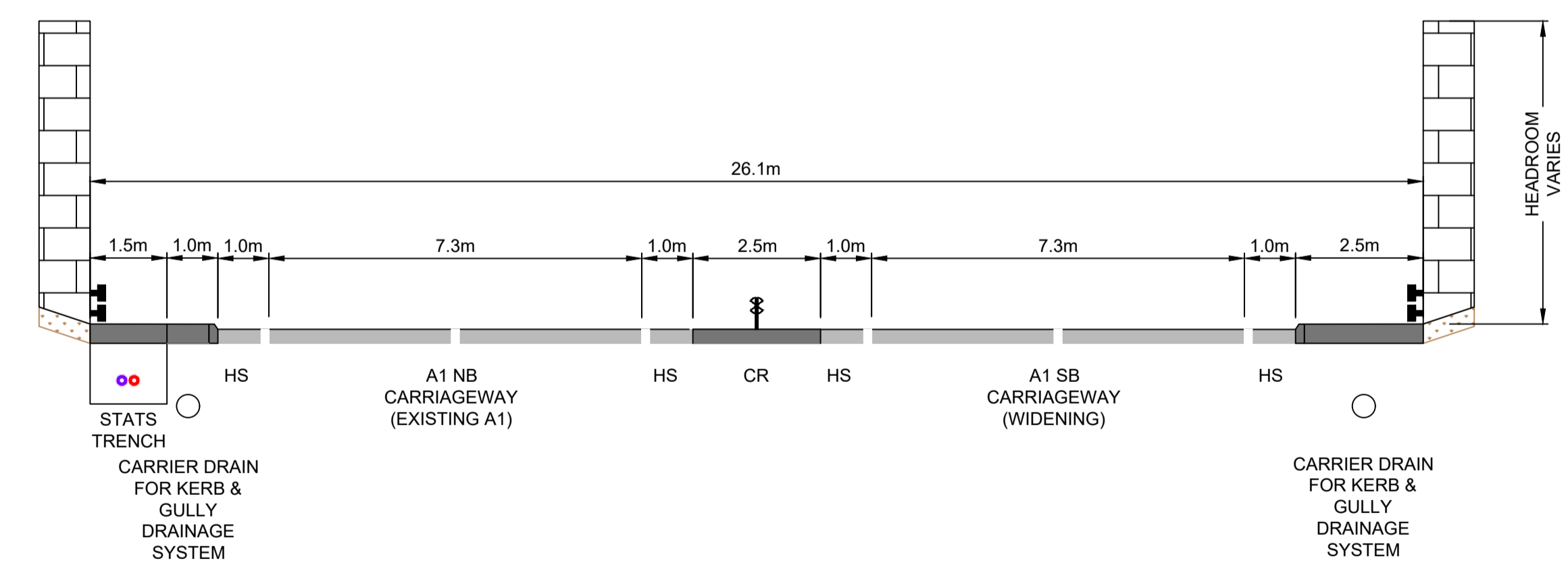
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CROSS SECTION CH 55+310 - HECKLEY FENCE OVERBRIDGE



SECTION A - A
CROSS SECTION ON APPROACH TO THE STRUCTURE

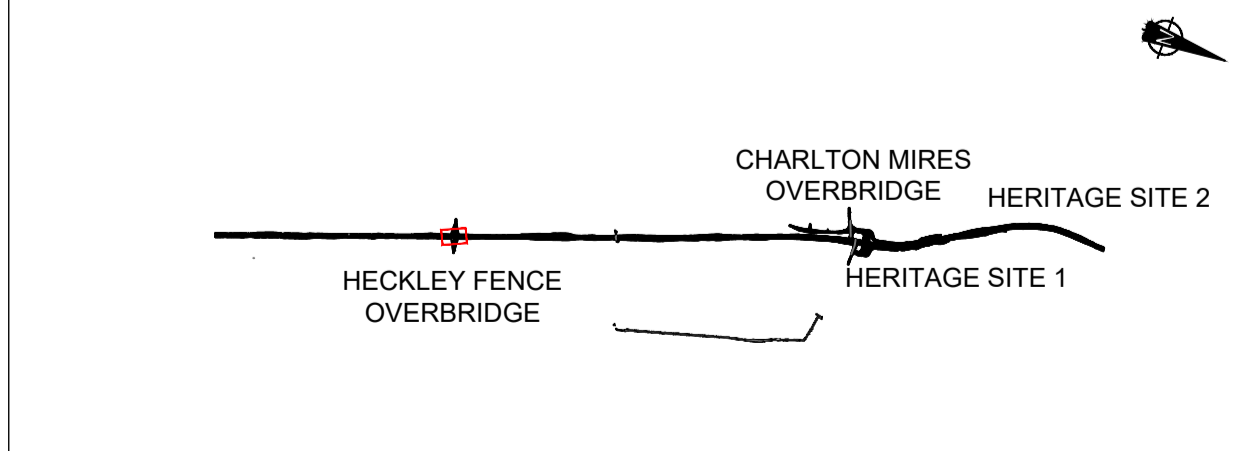
SCALE: 1:100



SECTION B - B
MAINLINE CROSS SECTION AT PROPOSED OVERBRIDGE

SCALE: 1:100

- PLAN KEY**
- OVERBRIDGE (PLAN VIEW)
 - CROSS SECTION CUT LINE
 - CULVERT
- STATS**
- BT
 - WATER MAIN
 - GAS MAIN
 - ELECTRICITY
 - VIRGIN MEDIA
 - VODAFONE
 - PROPOSED STATS DIVERSIONS



NOTES

- Cross sections show an indicative arrangement.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	13/02/20	First Revision		NH	TO	MM

Work In Progress

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M15 4RP, UK

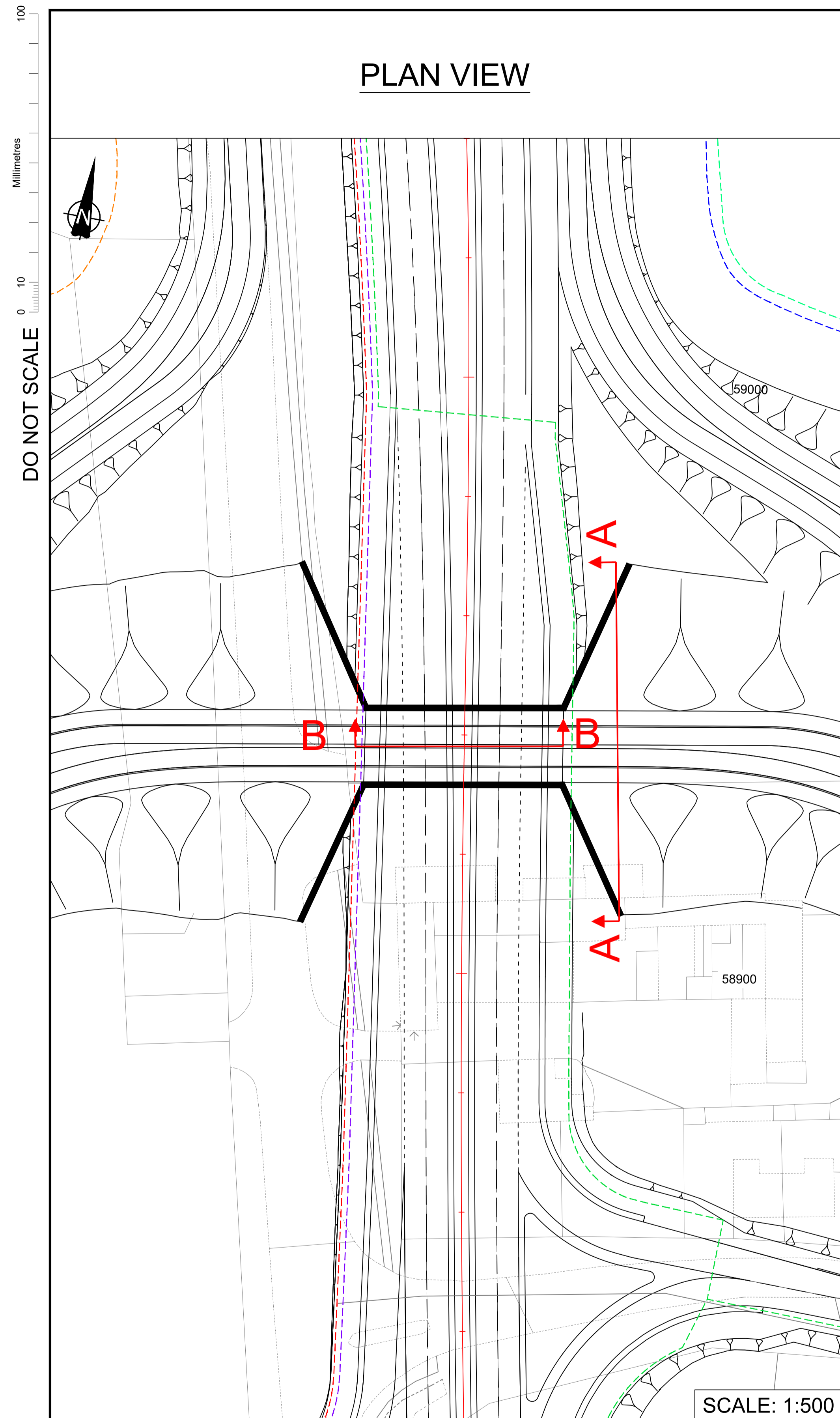
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Project Title		A1 in Northumberland Alnwick to Ellingham Scheme			
Drawing Title		Pinch Point Cross Section Heckley Fence Overbridge			
Scale	Drawn	Eng. Check	Approved	Authorised	
As Shown	NH	TO	MM	DM	
Original Size	Date	Date	Date	Date	
A1	13/02/20	13/02/20	13/02/20	13/02/20	
Drawing Number	Originator	Volume	Revision		
HE PIN	WSP	HGN	P01		
HE551459					
A2E	DR	CH	00070	PW Stage Code	
Section	Type	ID	Type	Role	Number
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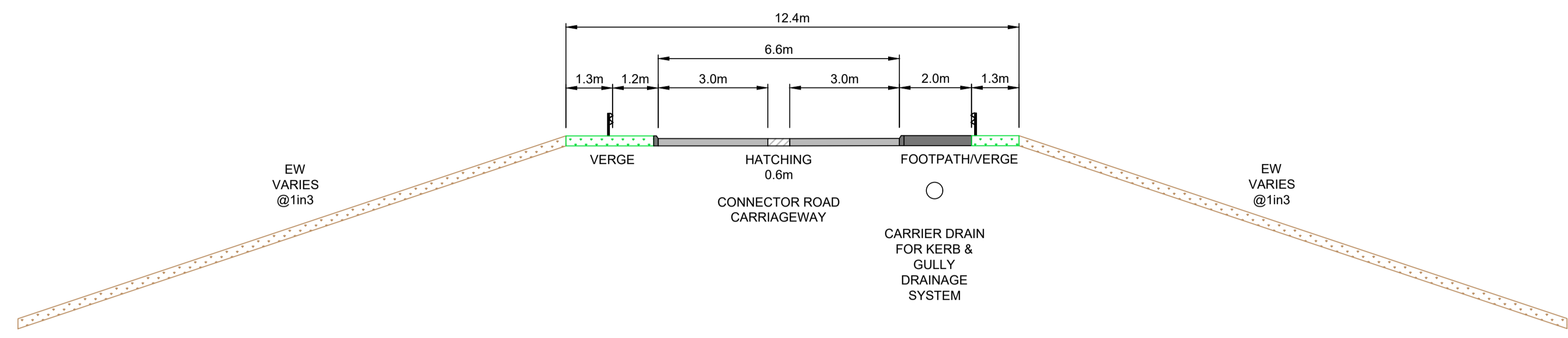
PLAN VIEW



DO NOT SCALE

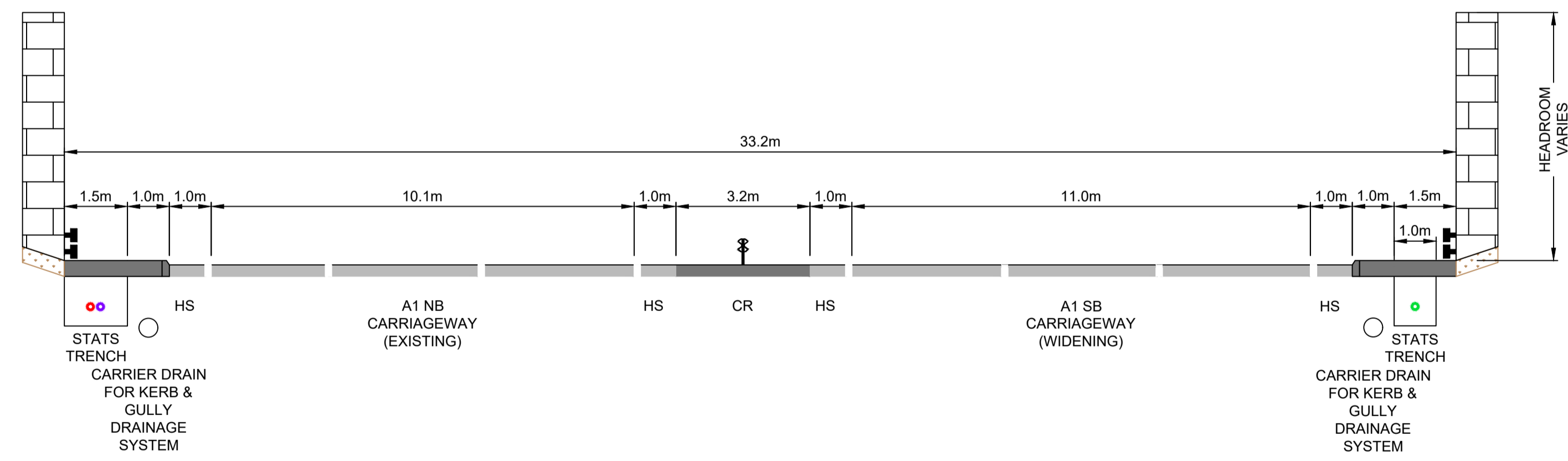
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CROSS SECTION CH 58+940 - CHARLTON MIRES OVERBRIDGE



SECTION A - A
CONNECTOR ROAD CROSS SECTION ON APPROACH TO THE STRUCTURE

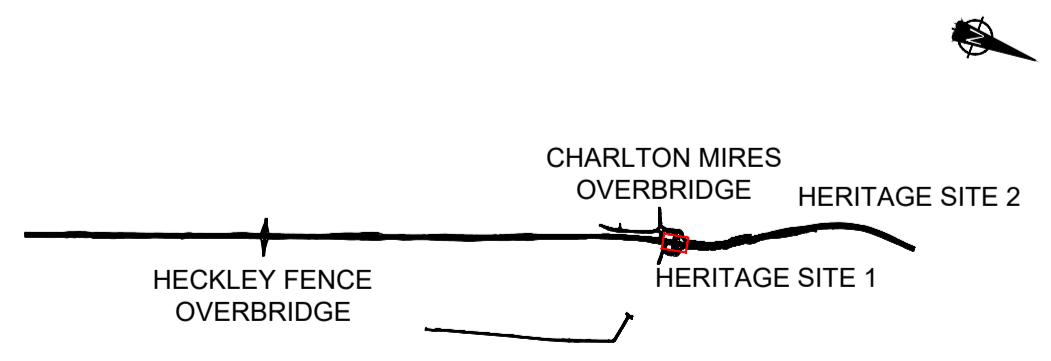
SCALE: 1:100



SECTION B - B
MAINLINE CROSS SECTION AT PROPOSED OVERBRIDGE

SCALE: 1:100

- PLAN KEY**
- OVERBRIDGE (PLAN VIEW)
 - CROSS SECTION CUT LINE
 - CULVERT
- STATS**
- BT
 - WATER MAIN
 - GAS MAIN
 - ELECTRICITY
 - VIRGIN MEDIA
 - VODAFONE
 - PROPOSED STATS DIVERSIONS



NOTES

- Cross sections show an indicative arrangement.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	13/02/20	First Revision				

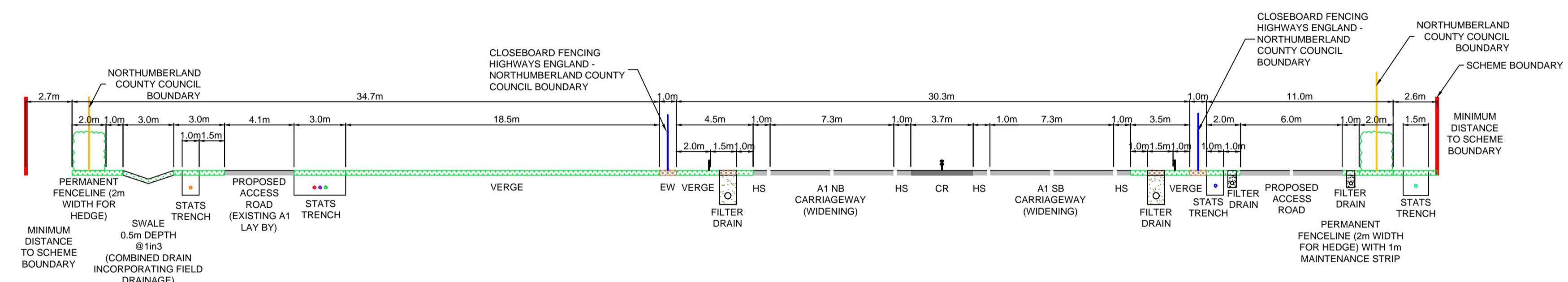
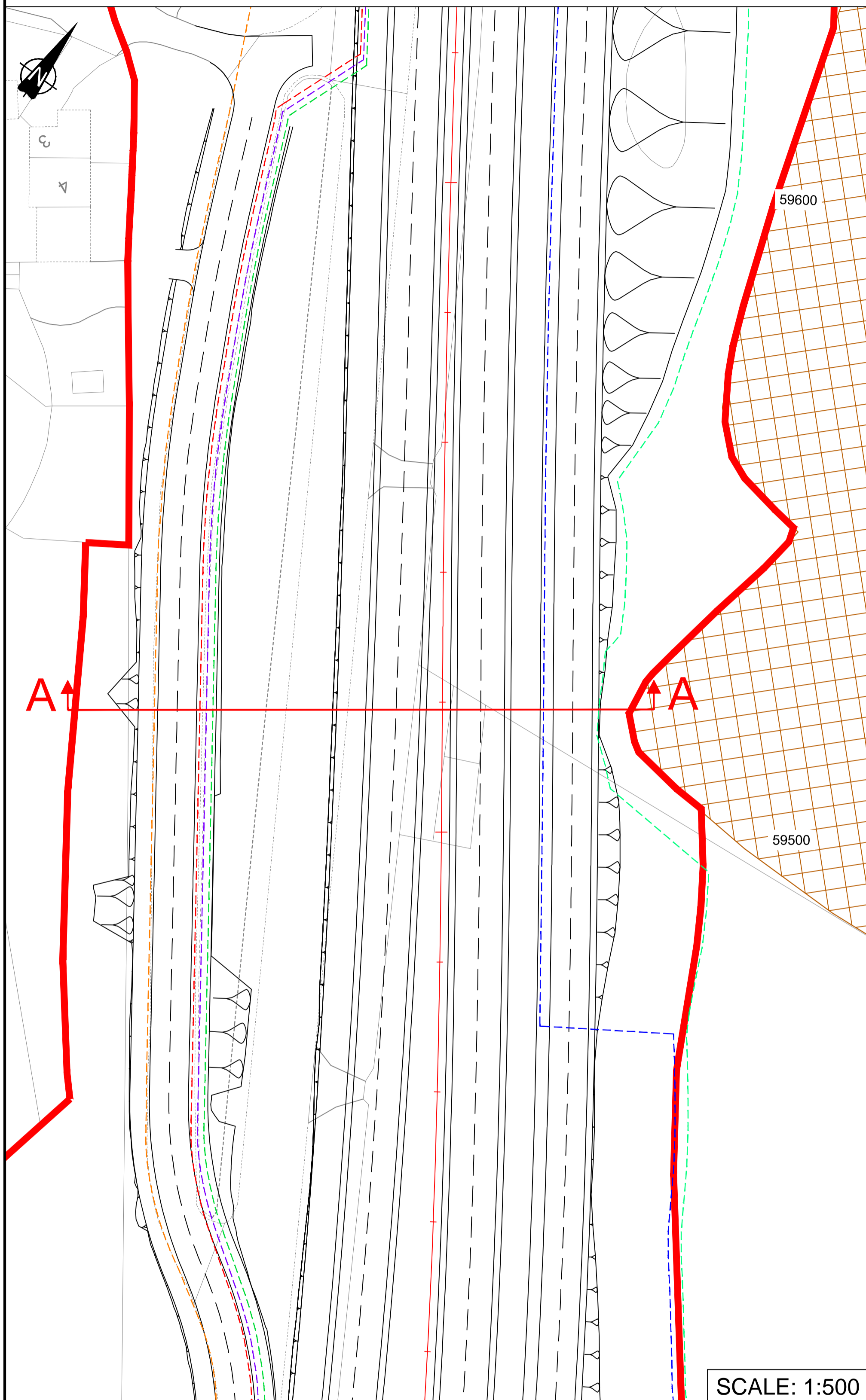
Sustainability		Status		Project Title			
Work In Progress		S0		A1 in Northumberland Alnwick to Ellingham Scheme			
<p>8 First Street Manchester M15 4RP, UK T+ 44 (0) 161 200 5000 wsp.com</p>				Drawing Title Pinch Point Cross Section Charlton Mires Overbridge			
Scale	Drawn	Eng. Check	Approved	Authorised			
As Shown	NH	TO	MM	DM			
Original Size	Date	Date	Date	Date			
A1	13/02/20	13/02/20	13/02/20	13/02/20			
Drawing Number	Originator	Volume	Revision				
HE PIN	WSP	HGN	P01				
HE551459							
A2E	DR	CH	00071				
Section	Type	ID	Number				
			3				

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PLAN VIEW

CROSS SECTION CH 59+520 - HERITAGE SITE 1

DO NOT SCALE



SECTION A - A CROSS SECTION AT PINCH POINT

SCALE: 1:500

SCALE: 1:200

PLAN KEY		STATS	
	OVERBRIDGE (PLAN VIEW)		BT
	CROSS SECTION CUT LINE		WATER MAIN
	CULVERT		GAS MAIN
	SCHEME BOUNDARY (EXTENT OF ENVIRONMENTAL ASSESSMENT)		ELECTRICITY
	HERITAGE SITE		VIRGIN MEDIA
			VODAFONE
			PROPOSED STATS DIVERSIONS

NOTES

- Cross sections show an indicative arrangement.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P02	15/06/21	Widening of East Linkhall Access Road for Deadline 09	NH	TO	MM	IS
P01	13/02/20	First Revision	NH	TO	MM	DM

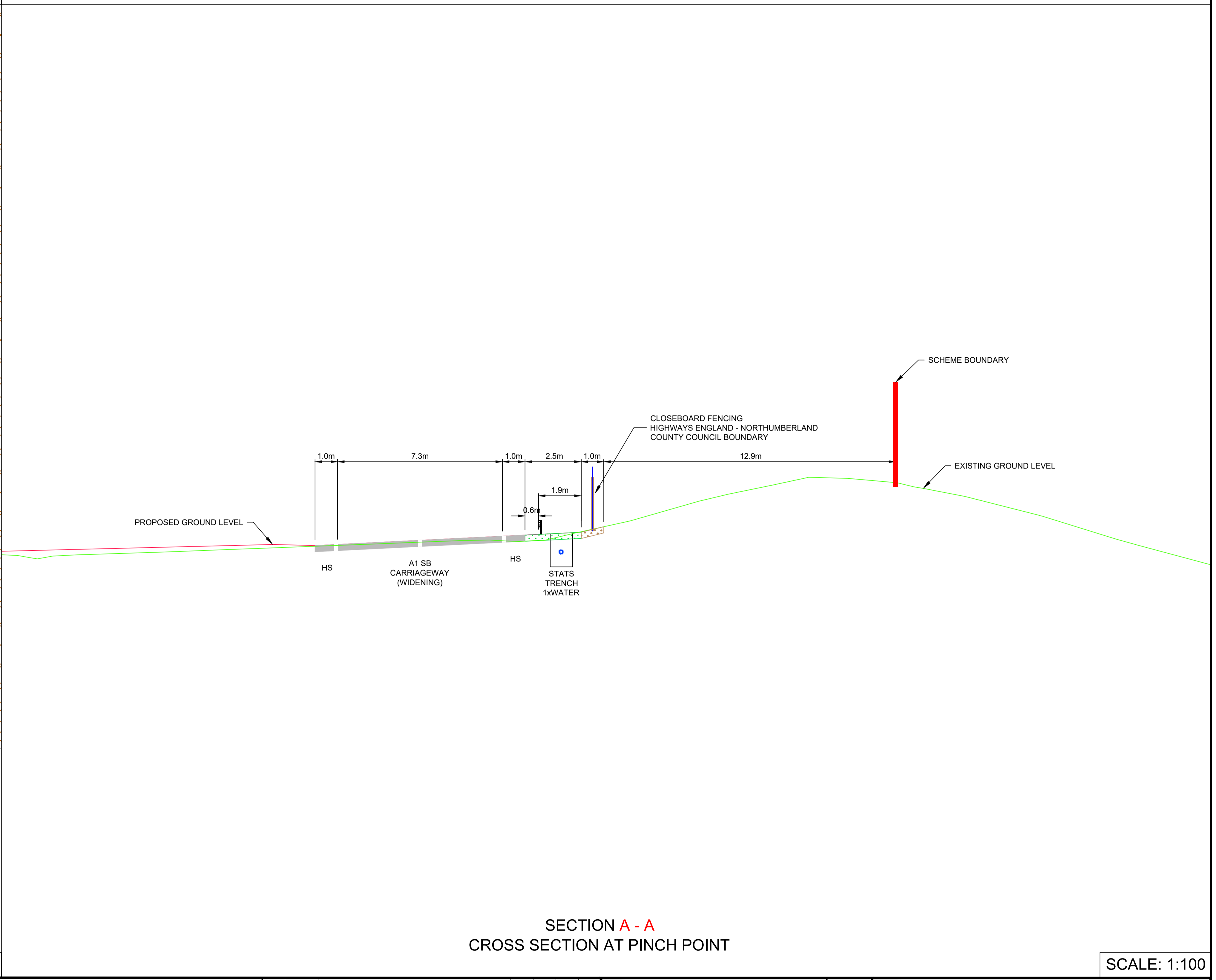
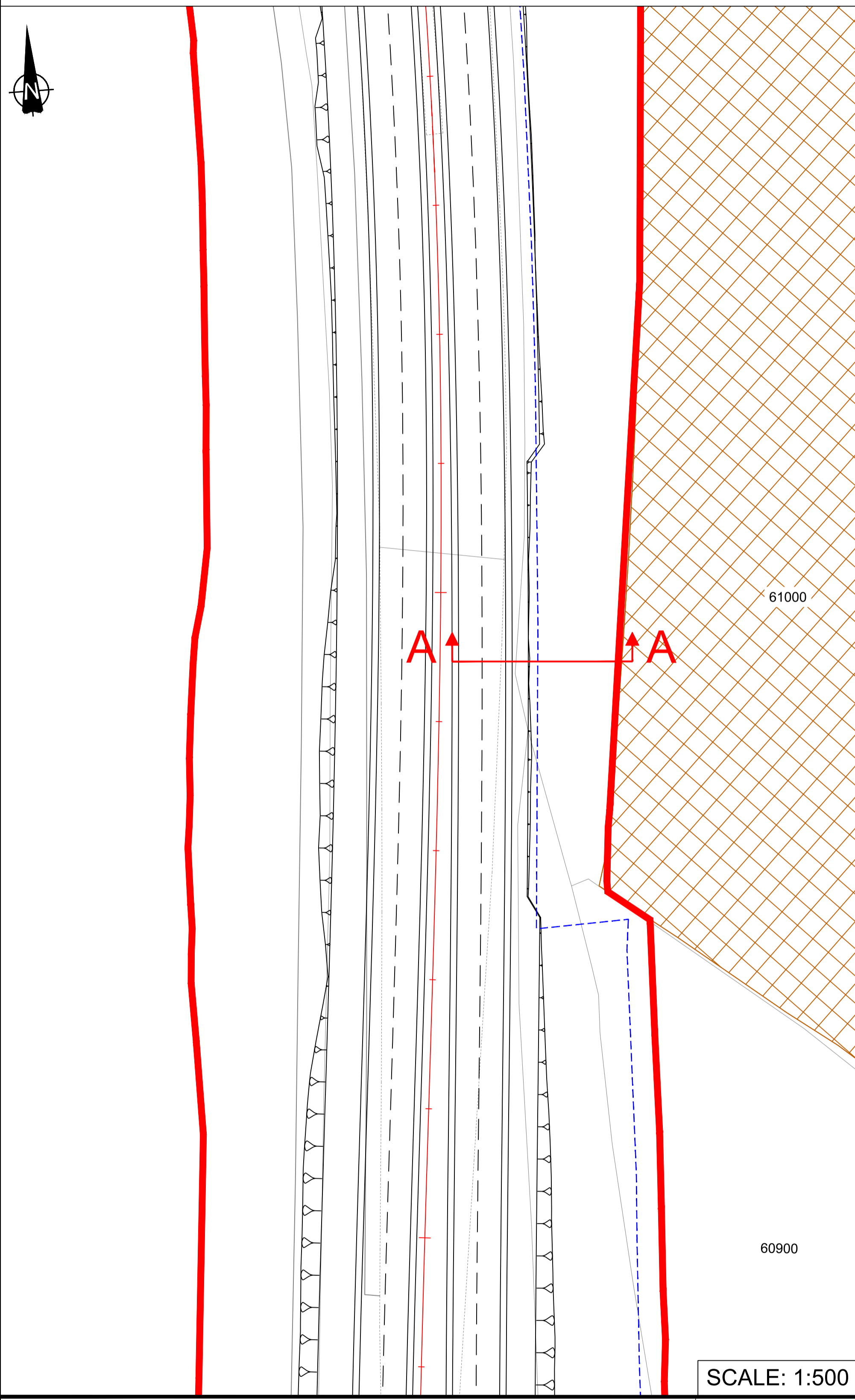
Subsidiary		Status		Project Title			
Work In Progress		S0		A1 in Northumberland: Morpeth to Ellingham Part B of the Scheme: Alnwick to Ellingham			
 8 First Street Manchester M15 4RP, UK T+ 44 (0) 161 200 5000 wsp.com		Drawing Title Pinch Point Cross Section Heritage Site 1					
Scale	As Shown	Drawn	NH	Eng. Check	TO	Approved	MM
Original Size	A1	Date	15/06/21	Date	15/06/21	Date	15/06/21
Authorised	IS	Date	15/06/21	Authorised	IS	Date	15/06/21
Drawing Number	HE PIN	Originator	WSP	Volume	HGN	Revision	P02
HE551459							
A2E		DR	CH	00072		PW Stage Code	3
Section	Type	ID	Direction	Type	Role	Number	

PLAN VIEW

CROSS SECTION CH 60+990 - HERITAGE SITE 2

DO NOT SCALE

Millimetres
0 10 100



SECTION A - A CROSS SECTION AT PINCH POINT

SCALE: 1:500

SCALE: 1:100

PLAN KEY

- OVERBRIDGE (PLAN VIEW)
- CROSS SECTION CUT LINE
- CULVERT
- SCHEME BOUNDARY (EXTENT OF ENVIRONMENTAL ASSESSMENT)
- HERITAGE SITE

STATS

- BT
- WATER MAIN
- GAS MAIN
- ELECTRICITY
- VIRGIN MEDIA
- VODAFONE
- PROPOSED STATS DIVERSIONS

NOTES

- Cross sections show an indicative arrangement.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	13/02/20	First Revision				

Work In Progress

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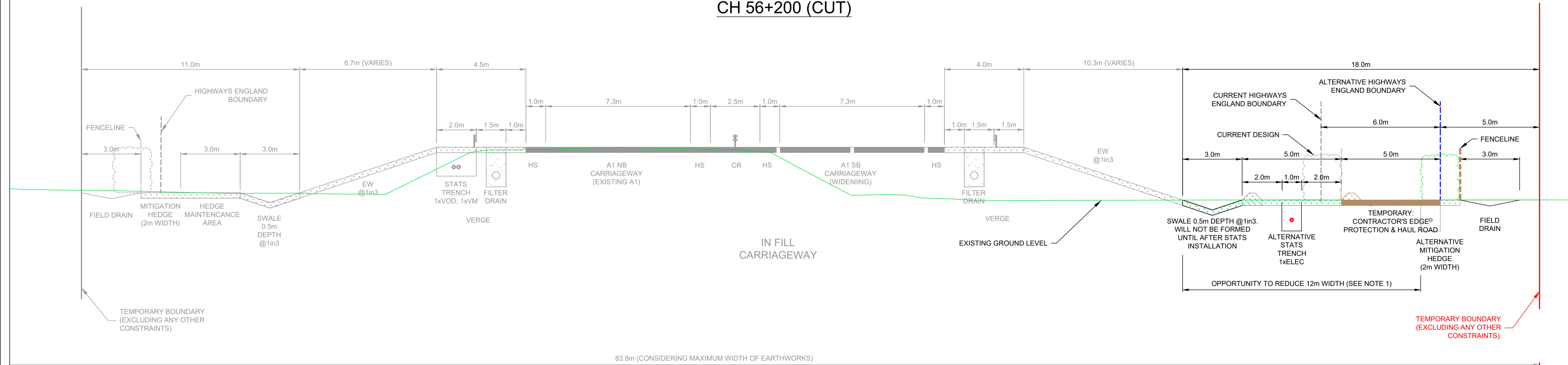
Project Title		A1 in Northumberland Alnwick to Ellingham Scheme			
Drawing Title		Pinch Point Cross Section Heritage Site 2			
Scale	Drawn	Eng. Check	Approved	Authorised	
As Shown	NH	TO	MM	DM	
Original Size	Date	Date	Date	Date	Date
A1	13/02/20	13/02/20	13/02/20		
Drawing Number	Originator	Volume	Revision		
HE PIN HE551459	WSP	HGN	P01		
A2E	DR	CH	00076	PW Stage Code	
Section	Type	ID	Type	Role	Number
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ONLINE SECTION

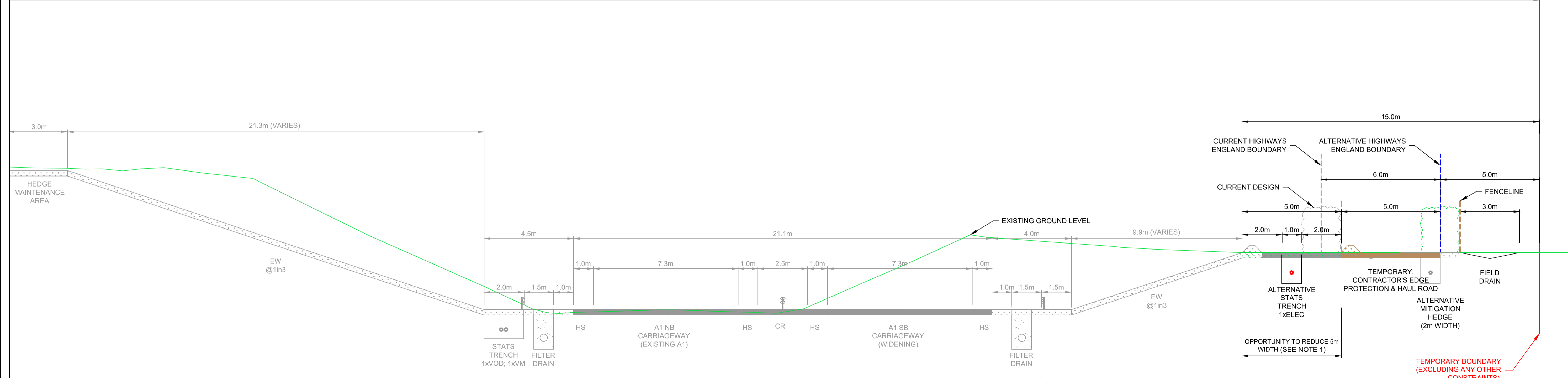
CH 57+420 (FILL)

CH 56+200 (CUT)

DO NOT SCALE



83.8m (CONSIDERING MAXIMUM WIDTH OF EARTHWORKS)



- STATS**
- BT / VODAFONE / VIRGIN MEDIA
 - WATER MAIN
 - GAS MAIN
 - ELECTRICITY

NOTES:

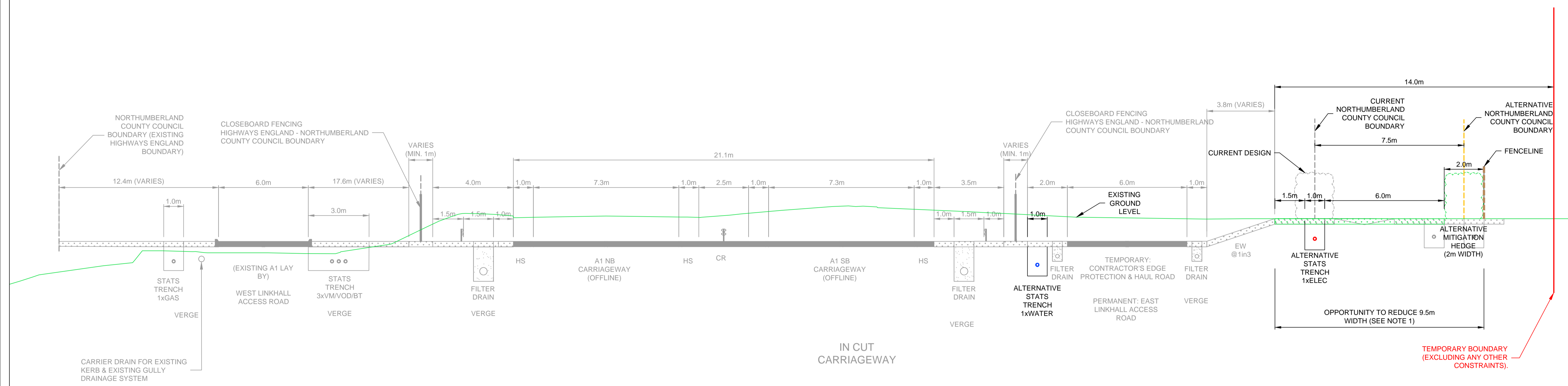
- OPPORTUNITY TO REDUCE WIDTH AND THUS LAND ACQUISITION DEPENDING ON:
 - CONSTRUCTION SEQUENCING
 - USE OF ROOT BARRIERS
 - FILTER DRAIN INSTEAD OF SWALE
- REQUIREMENT TO PROTECT STATS TRENCH AT CROSSOVER LOCATIONS TO BE DETERMINED AT STAGE 5.

Sustainability		Status		Project Title	
For Information		S2		A1 in Northumberland Alnwick to Ellingham Scheme	
<p>8 First Street Manchester M15 4RP</p> <p>T+44 1612 005 000 wsp.com</p>		Drawing Title Alternative Indicative Cross Section Section 2			
Scale	Drawn	Eng. Check	Approved	Authorised	
1:100	NH	TO	MM	DM	
Original Size	Date	Date	Date	Date	
A1	13/02/20	13/02/20	13/02/20	13/02/20	
Drawing Number	Originator	Volume	Revision		
HE PIN	WSP	HGN	P01		
HE551459			PW Stage Code		
A2E	DR	CH	00106	3	
Section	Type	ID	Type	Role	Number

Confidential

ONLINE SECTION CH 59+500

DO NOT SCALE



- STATS**
- BT / VODAFONE / VIRGIN MEDIA
 - WATER MAIN
 - GAS MAIN
 - ELECTRICITY

NOTES:
 1. OPPORTUNITY TO REDUCE WIDTH AND THUS LAND ACQUISITION DEPENDING ON:
 • CONSTRUCTION SEQUENCING
 • USE OF ROOT BARRIERS
 • FILTER DRAIN INSTEAD OF SWALE
 2. REQUIREMENT TO PROTECT STATS TRENCH AT CROSSOVER LOCATIONS TO BE DETERMINED AT STAGE 5.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P02	15/06/21	Widening of East Linkhall Access Road for Deadline 09	NH	TO	MM	IS
P01	13/02/20	First Revision	NH	TO	MM	DM

For Information

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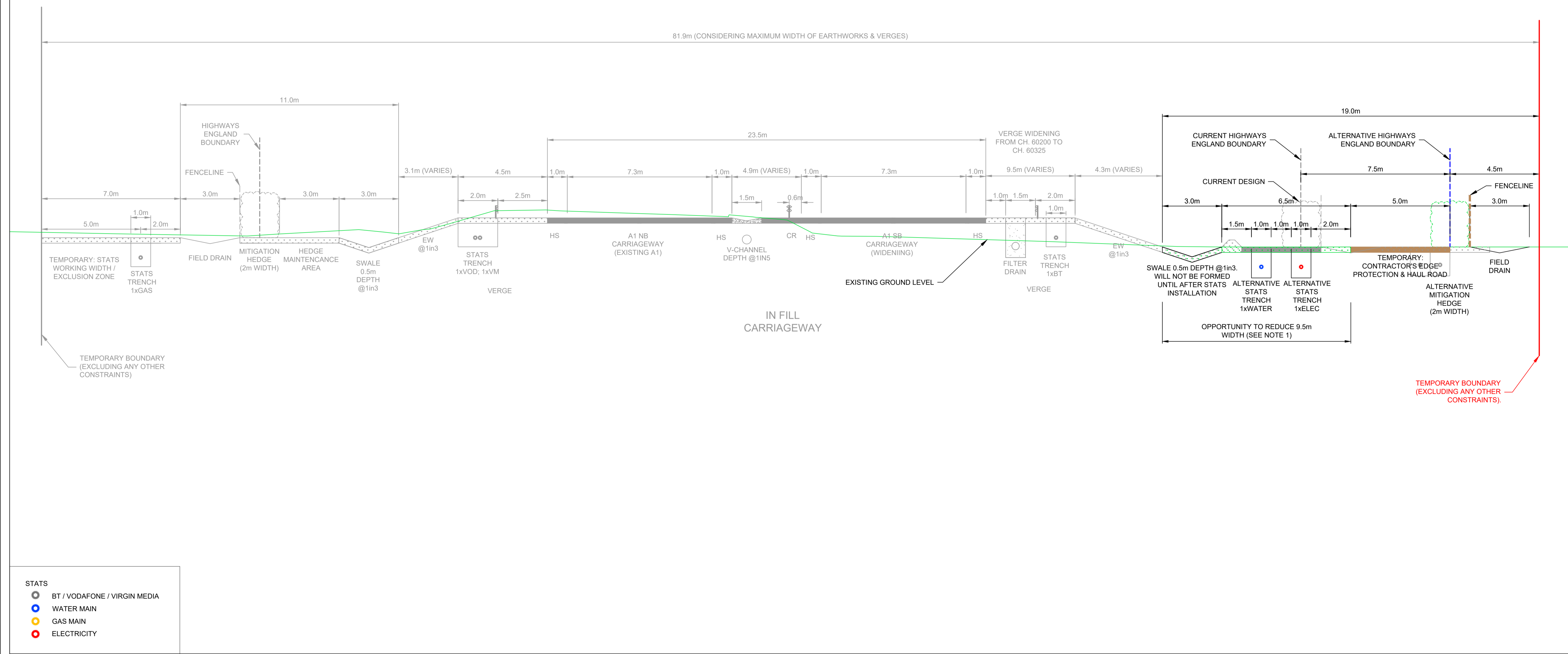
Subsidiary	Status	Project Title
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Drawing Title		
Alternative Indicative Cross Section Section 9		
Scale	Drawn	Eng. Check
1:100	NH	TO
Original Size	Date	Approved
A1	15/06/21	MM
Authorised	Date	Revision
IS	15/06/21	P02
Drawing Number	Originator	Volume
HE PIN	WSP	HGN
HE551459		
Drawing Number	Direction	Type
A2E	DR	CH
Section	Type	Role
	ID	Number
		00107
		3

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ONLINE SECTION

CH 60+250

DO NOT SCALE




- STATS**
- BT / VODAFONE / VIRGIN MEDIA
 - WATER MAIN
 - GAS MAIN
 - ELECTRICITY

NOTES:

- OPPORTUNITY TO REDUCE WIDTH AND THUS LAND ACQUISITION DEPENDING ON:
 - CONSTRUCTION SEQUENCING
 - USE OF ROOT BARRIERS
 - FILTER DRAIN INSTEAD OF SWALE
- REQUIREMENT TO PROTECT STATS TRENCH AT CROSSOVER LOCATIONS TO BE DETERMINED AT STAGE 5.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P01	13/02/20	First Revision	NH	TO	MM	DM

Suitability	For Information	Status	S2	Project Title	A1 in Northumberland Alnwick to Ellingham Scheme				
 <p>8 First Street Manchester M15 4RP</p> <p>T+44 1612 005 000 wsp.com</p> <p>© WSP UK Ltd</p>				Drawing Title Alternative Indicative Cross Section Section 13					
Scale	1:100	Drawn	NH	Eng. Check	TO	Approved	MM	Authorised	DM
Original Size	A1	Date	13/02/20	Date	13/02/20	Date	13/02/20	Date	13/02/20
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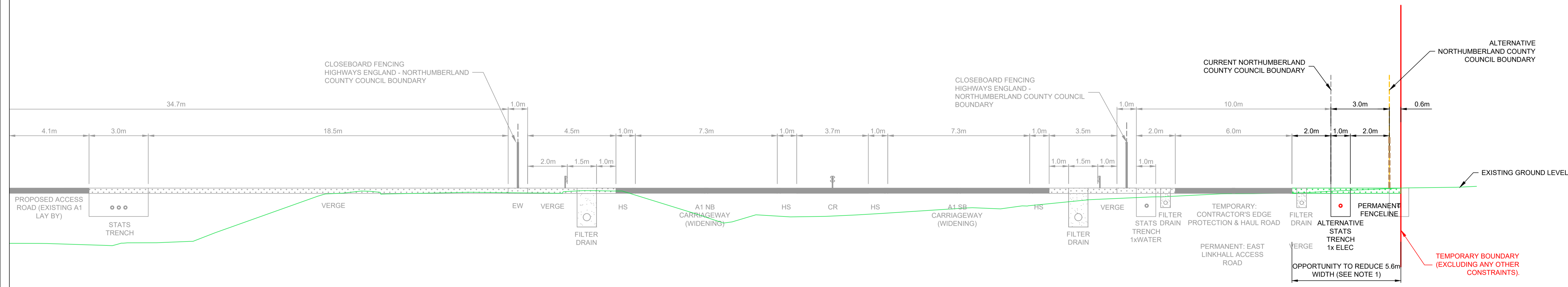
Confidential

ONLINE - PINCH POINT SECTION

CH 59+520

DO NOT SCALE

100
0 10
Millimetres



STATS

- BT / VODAFONE / VIRGIN MEDIA
- WATER MAIN
- GAS MAIN
- ELECTRICITY

NOTES:

- OPPORTUNITY TO REDUCE WIDTH AND THUS LAND ACQUISITION DEPENDING ON:
 - CONSTRUCTION SEQUENCING
 - USE OF ROOT BARRIERS
 - FILTER DRAIN INSTEAD OF SWALE
- REQUIREMENT TO PROTECT STATS TRENCH AT CROSSOVER LOCATIONS TO BE DETERMINED AT STAGE 5.

Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
P02	15/06/21	Widening of East Linkhall Access Road for Deadline 09	NH	TO	MM	IS
P01	13/02/20	First Revision	NH	TO	MM	DM

Sustainability		Status		Project Title	
For Information		S2		A1 in Northumberland Alnwick to Ellingham Scheme	
<p>8 First Street Manchester M15 4RP</p> <p>T+44 1612 005 000 wsp.com</p> <p>© WSP UK Ltd</p>				Drawing Title	
				Alternative Pinch Point Cross Section Heritage Site 1	
Scale	Drawn	Eng. Check	Approved	Authorised	
NTS	NH	TO	MM	IS	
Original Size	Date	Date	Date	Date	
A1	15/06/21	15/06/21	15/06/21	15/06/21	
Drawing Number		Originator		Revision	
HE PIN		WSP		P02	
HE551459		HGN		PW Stage Code	
A2E		DR		00109	
Section	Type	ID	Direction	Type	Role
					3

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