

Appendix F

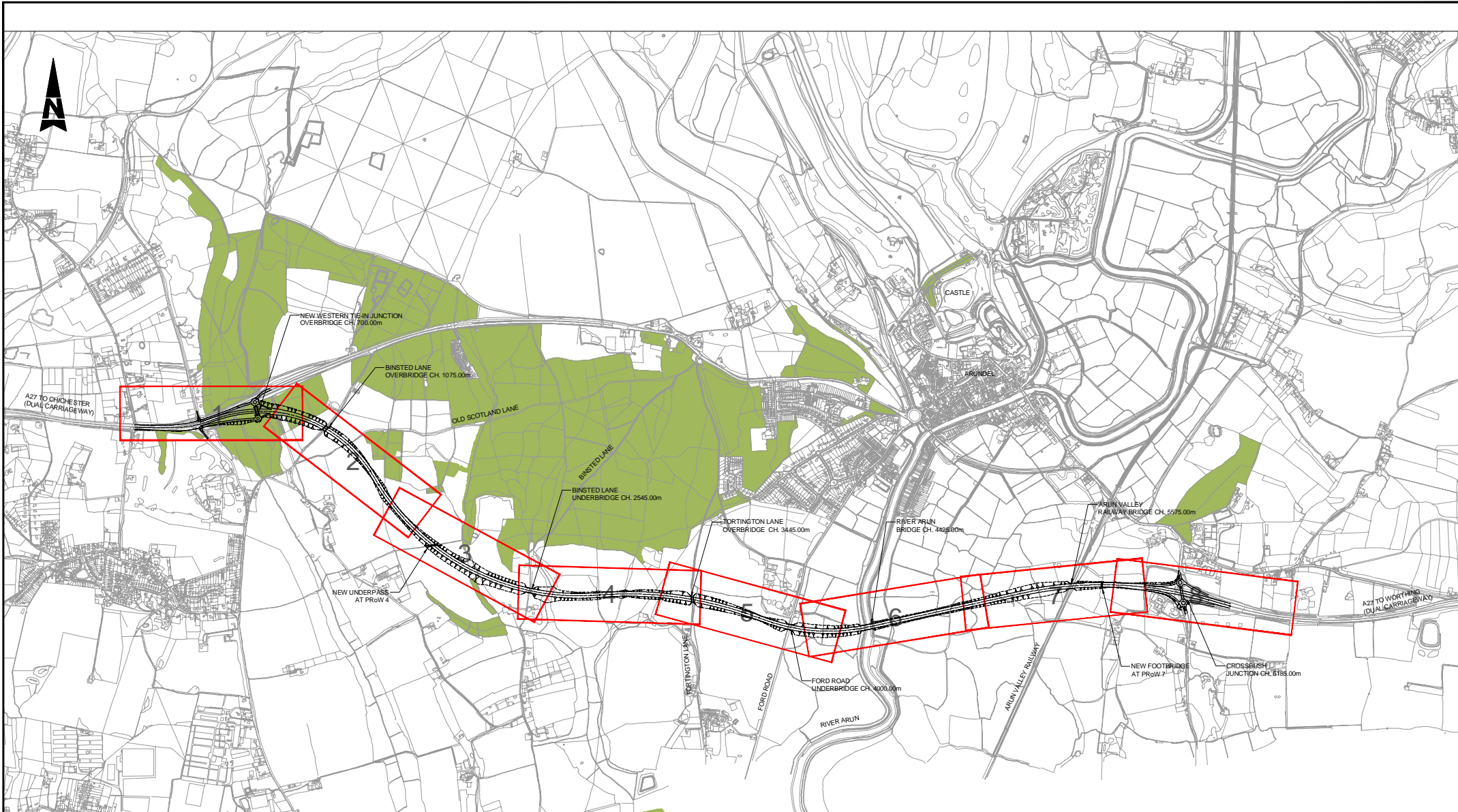
DRAWINGS OF OPTION 5A

APPENDIX F-1

OPTION 5A – GA PLANS

DO NOT SCALE

100
0 10
Millimetres



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Scale: 1:10,000
100m 0m 200m 400m 600m

NOTES:
1. FOR LAYOUTS REFER TO DRG. NOS. HE55123-WSP-HGN-A27AR-DR-D-0051 TO 0058.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction	Maintenance / Cleaning	Use	Decommissioning / Demolition

Rev	Date	Description	By	CHK'd	App'd
P01	18/05/16	First Issue		TC	KM

Drawing Status: **FOR INFORMATION**

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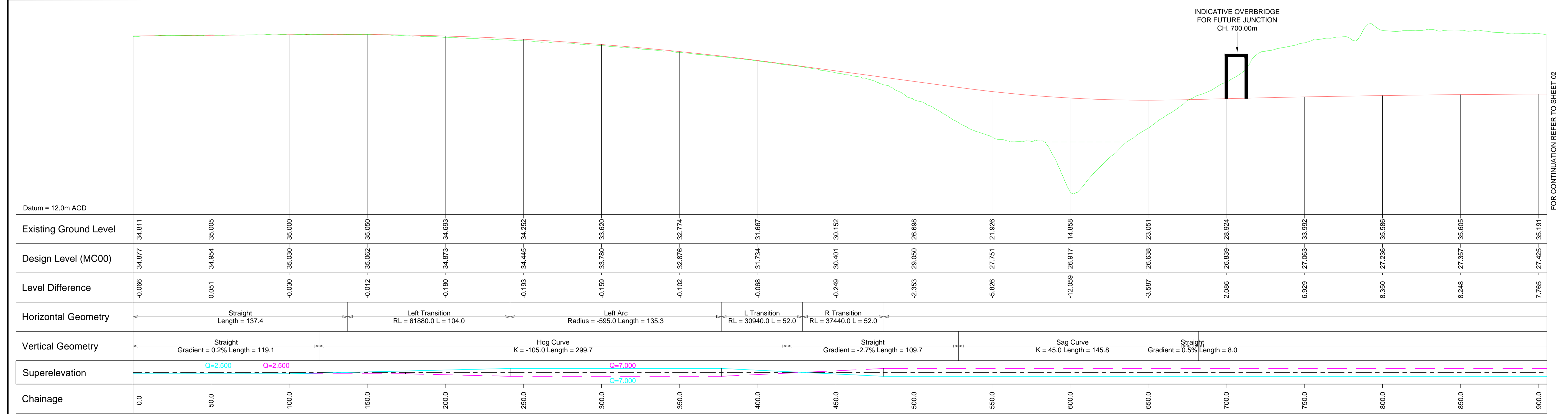
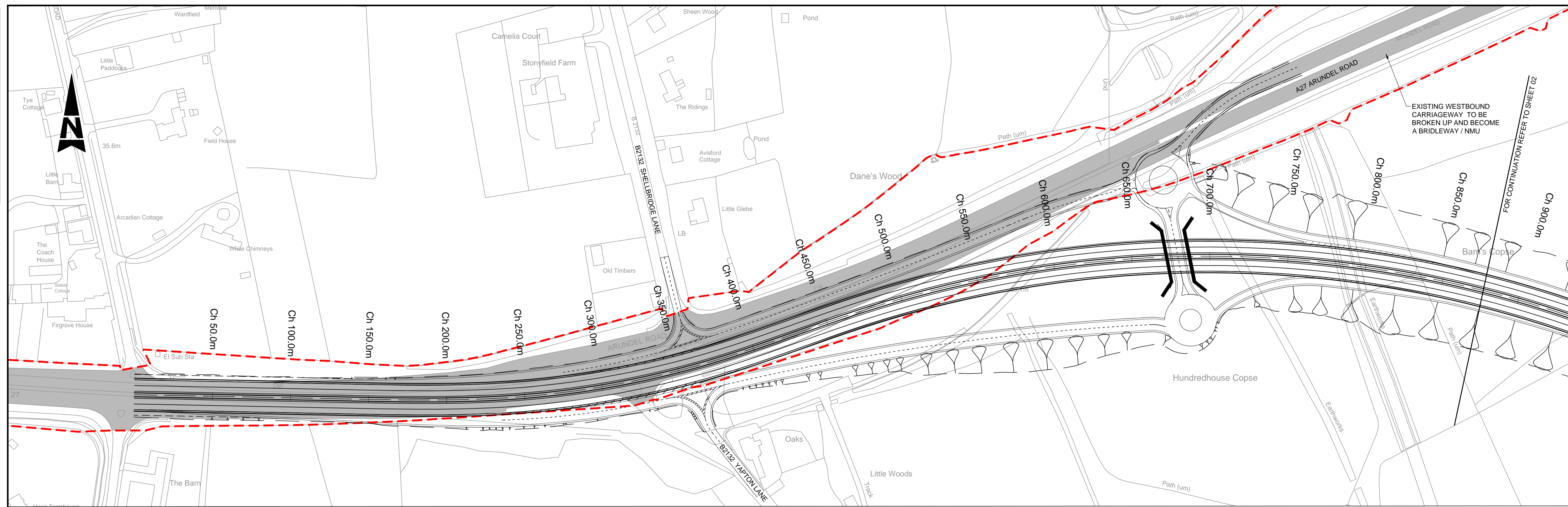
Working on behalf of
highways england

Project Type	Subsidiary	Project Name
S2		REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS
INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 5A OVERVIEW PLAN		
Scale	Drawn	Checked
1:10000	TC	KM
Original Date	Date	Date
A1	13/05/16	17/05/16
Drawing Number	Originator	Volume
HE551523 - WSP - HGN -	A27AR - DR - D - 0600	
Project Ref. No.	Revision	Authorised
3514447G	P01	BS

DO NOT SCALE

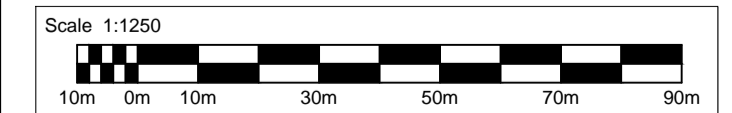
Millimetres

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NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0500.

- KEY:
- DESIGN LEVEL
 - EXISTING LEVEL
 - RIGHT CHANNEL LINE
 - LEFT CHANNEL LINE
 - - - EXISTING A27 HIGHWAY BOUNDARY
 - EXISTING PAVEMENT AREA



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In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction	Maintenance / Cleaning	Use	Decommissioning / Demolition

Rev.	Date	Description	By	Chkd	App'd
P01	18/05/16	First Issue	TC	KM	BS

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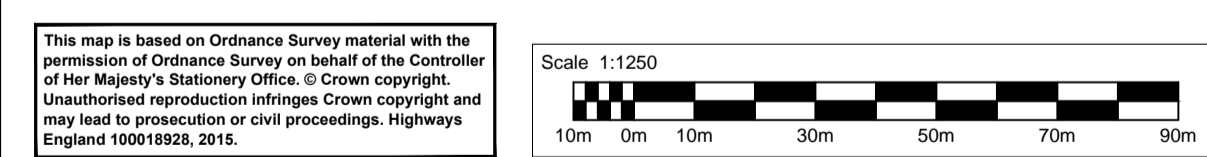
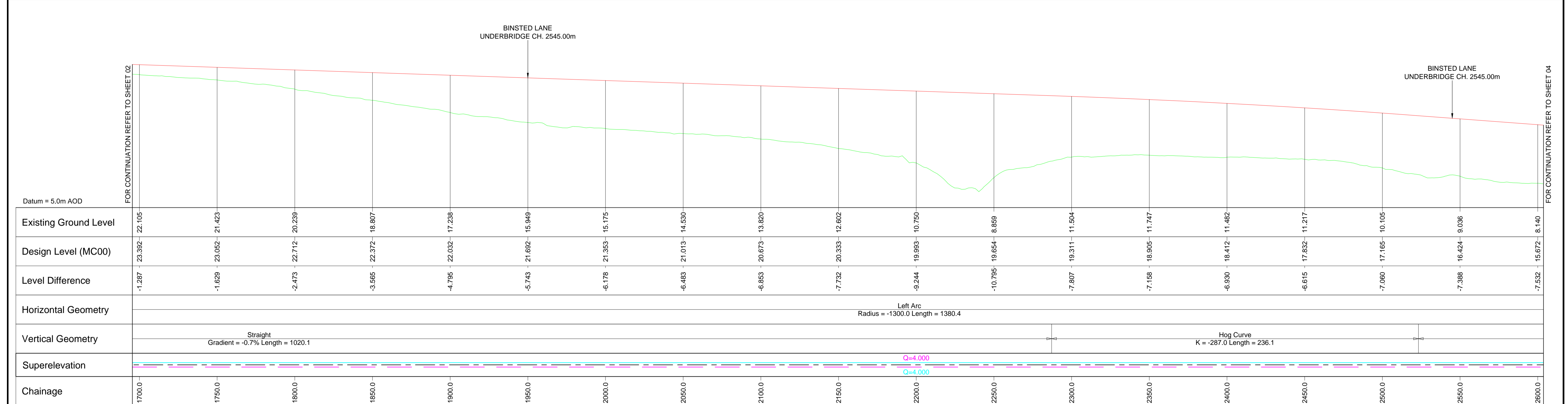
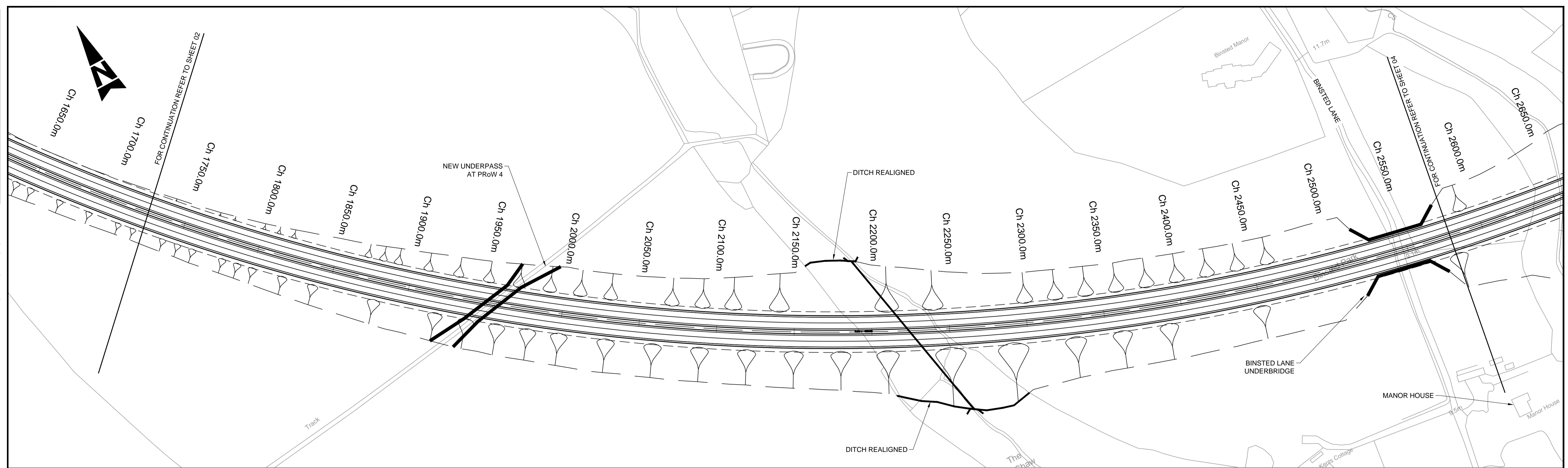
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Project Title	Drawing Title	Scale	Drawn	Checked	Approved	Authorised
REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS	INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 5A SHEET 1 OF 8	1:1250	TC	KM	BS	---
Project Ref. No. HE551523 - WSP - HGN - A27AR - DR - D - 0601	Volume 3514447G	Date 13/05/16	Date 18/05/16	Date 18/05/16	Date ---	Revision P01

DO NOT SCALE

Millimetres
0 10 100



NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0500.

- KEY:**
- DESIGN LEVEL
 - EXISTING LEVEL
 - RIGHT CHANNEL LINE
 - LEFT CHANNEL LINE
 - EXISTING A27 HIGHWAY BOUNDARY
 - EXISTING PAVEMENT AREA

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

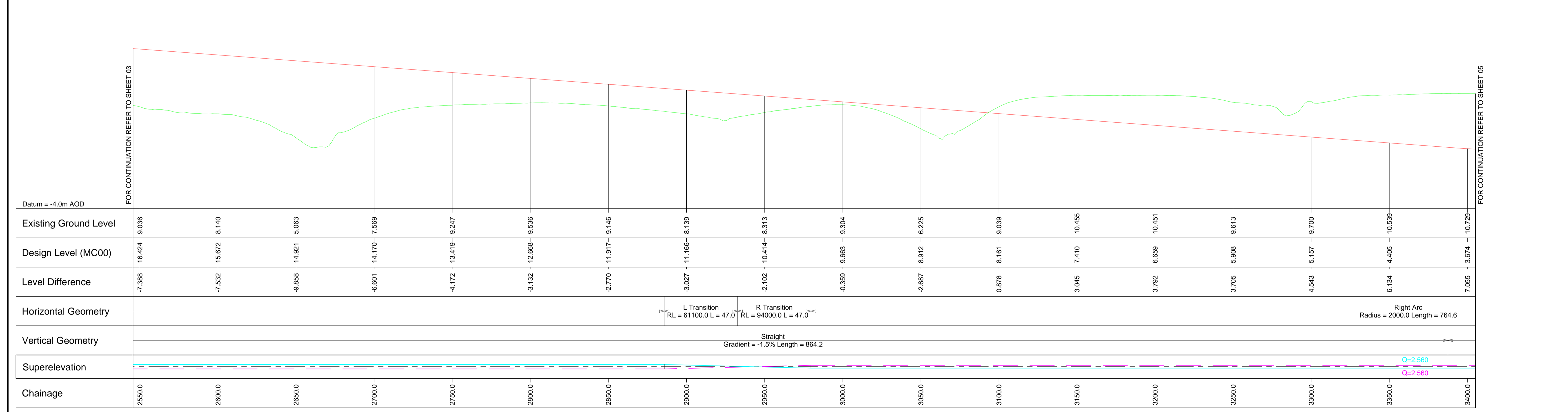
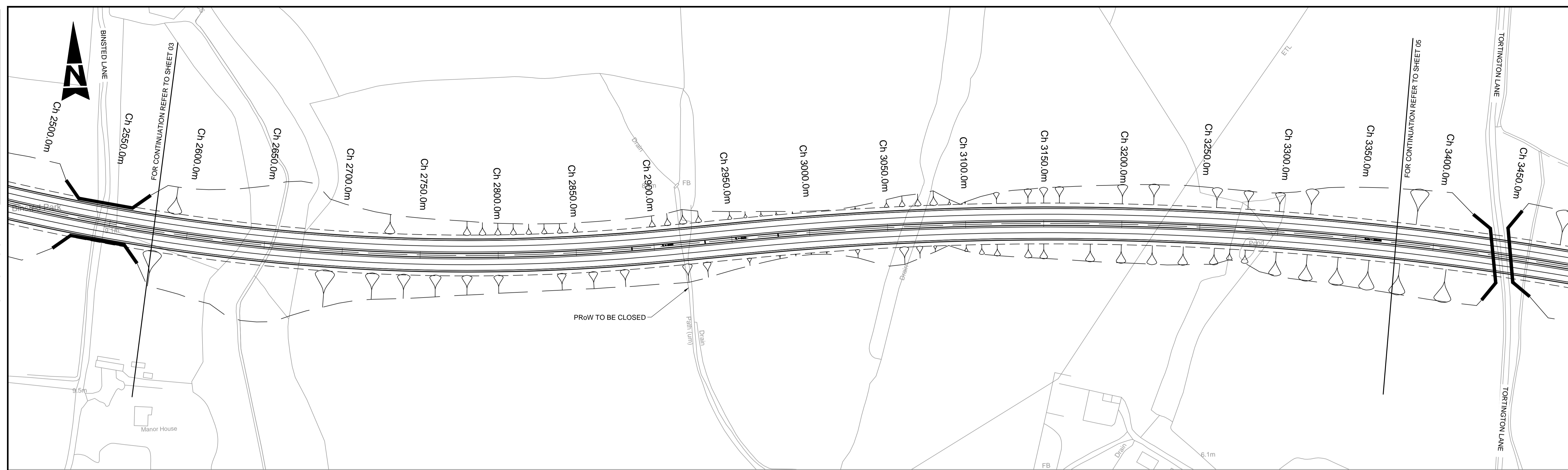
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Activity	By	Chkd	App'd
Construction			
Maintenance / Cleaning			
Use			
Decommissioning / Demolition			

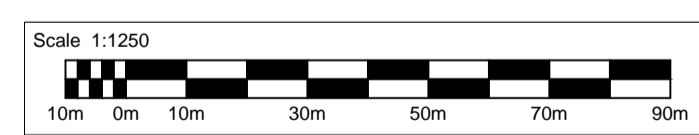
Drawing Status FOR INFORMATION		Subsidiary S2		Project Title REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS			
 		Westbrook Mills Borough Road Godalming Surrey GU7 2AZ Tel: +44 (0)1483 528400 Fax: +44 (0)1483 528989 www.wsp-pb.co.uk		Drawing Title INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 5A SHEET 3 OF 8			
Client Working on behalf of highways england		Scale 1:1250	Drawn TC	Checked KM	Approved BS	Authorised ---	
Original Size A1		Date 13/05/16	Date 18/05/16	Date 18/05/16	Date ---		
Project HE55123 - WSP - HGN - A27AR - DR - D - 0603		Initiator ---		Volume ---		Project Ref. No. 3514447G	
Location ---		Type ---	Role ---	Number ---		Revision P01	

DO NOT SCALE

Millimetres
0 10 100



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NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0500.

- KEY:**
- DESIGN LEVEL
 - EXISTING LEVEL
 - RIGHT CHANNEL LINE
 - LEFT CHANNEL LINE
 - EXISTING A27 HIGHWAY BOUNDARY
 - EXISTING PAVEMENT AREA

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction	Maintenance / Cleaning	Use	Decommissioning / Demolition

Rev.	Date	Description	By	Chk'd	App'd
P01	18/05/16	First Issue	TC	KM	BS

FOR INFORMATION

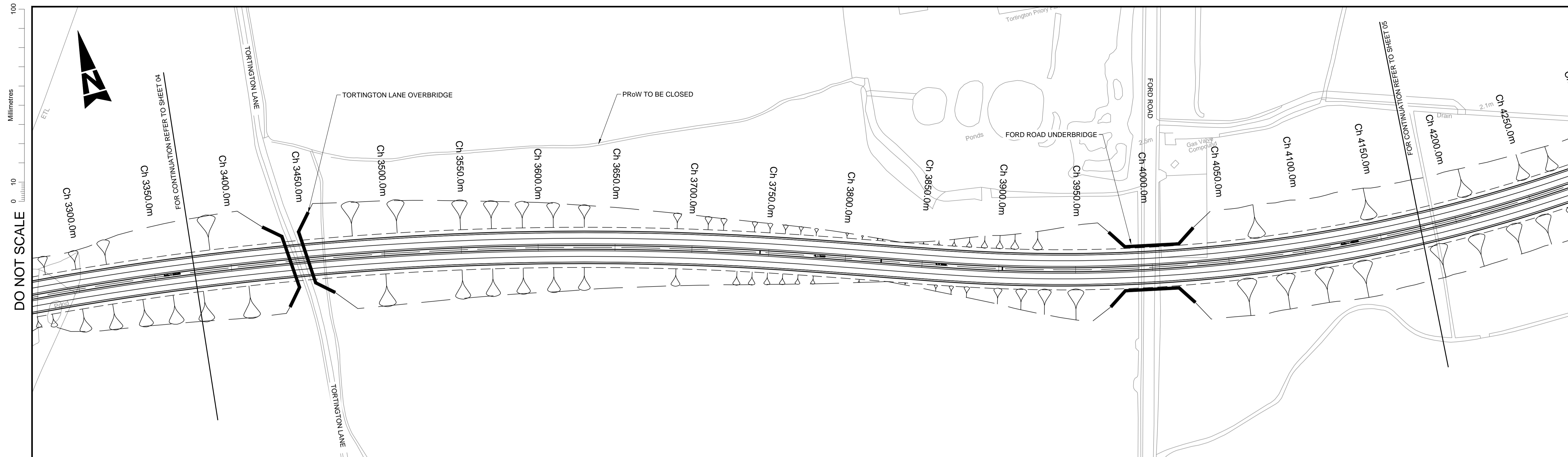
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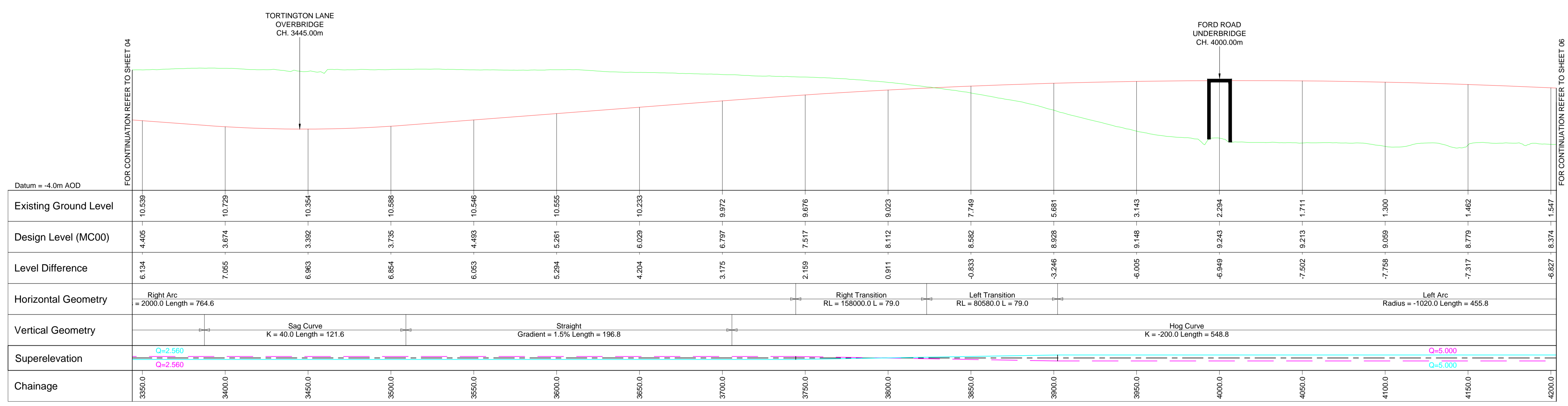
Working on behalf of
highways england

Project Title REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS	
Drawing Title INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 5A SHEET 4 OF 8	
Scale 1:1250	Drawn TC
Original Size A1	Checked KM
Date 13/05/16	Approved BS
Date 18/05/16	Authorised ---
Project HE551523 - WSP - HGN - A27AR - DR - D - 0604	Project Ref. No. 3514447G
Location Type Role Number	Revision P01

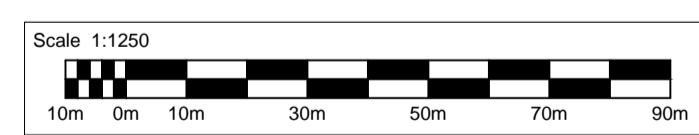


DO NOT SCALE

Millimetres
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NOTES:
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- KEY:**
- DESIGN LEVEL
 - EXISTING LEVEL
 - RIGHT CHANNEL LINE
 - LEFT CHANNEL LINE
 - EXISTING A27 HIGHWAY BOUNDARY
 - EXISTING PAVEMENT AREA

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction	Maintenance / Cleaning	Use	Decommissioning / Demolition

Rev.	Date	Description	By	Chkd	App'd
P01	18/05/16	First Issue	TC	KM	BS

Drawing Status: FOR INFORMATION

Suitability: S2

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Client: Working on behalf of **highways england**

Project Title: REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS

Drawing Title: INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 5A SHEET 5 OF 8

Scale	Drawn	Checked	Approved	Authorised
1:1250	TC	KM	BS	---

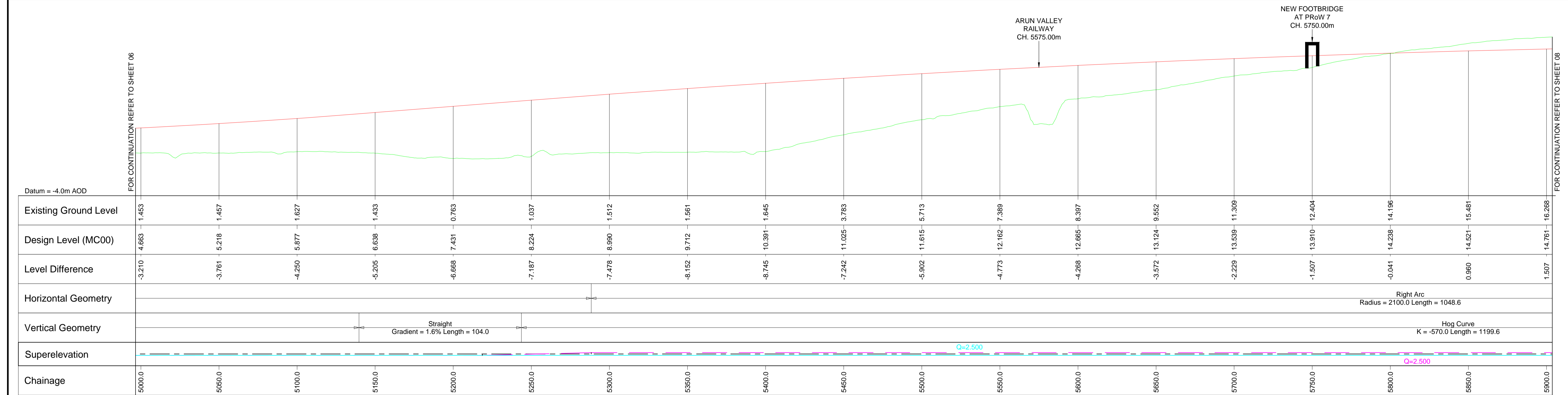
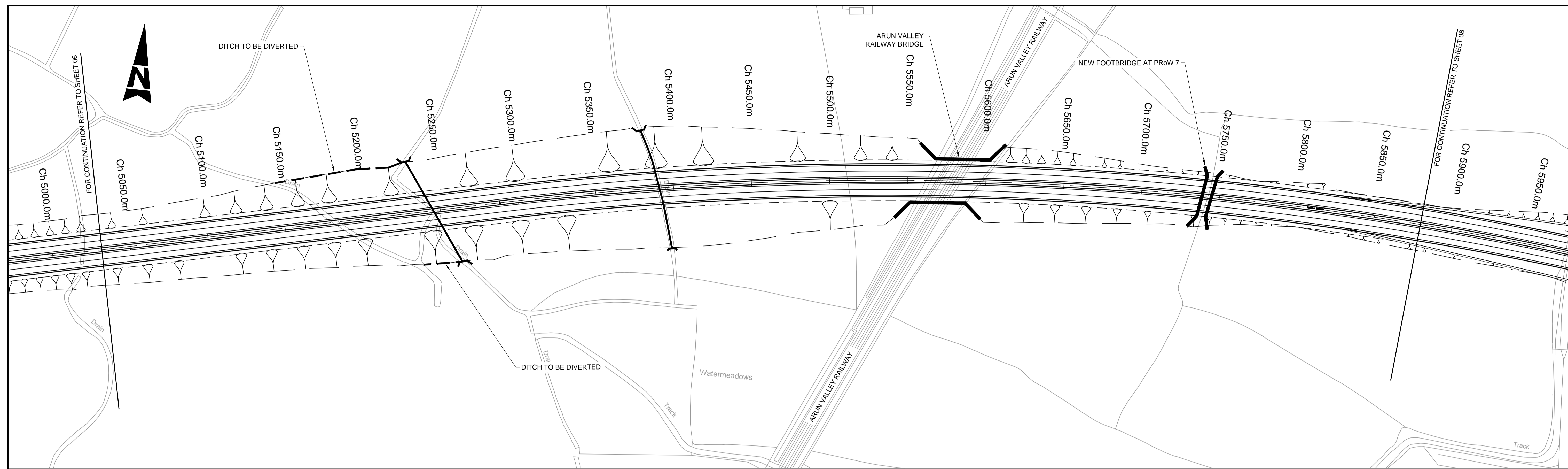
Original Size	Date	Date	Date	Date
A1	13/05/16	18/05/16	18/05/16	---

Drawing Number	Project	Originator	Volume	Project Ref. No.
HE551523 - WSP - HGN - A27AR - DR - D - 0605				3514447G

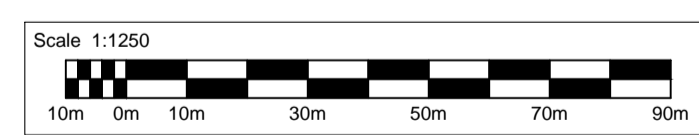
Location	Type	Role	Number
			P01

DO NOT SCALE

Millimetres
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NOTES:
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- KEY:**
- DESIGN LEVEL
 - EXISTING LEVEL
 - RIGHT CHANNEL LINE
 - LEFT CHANNEL LINE
 - EXISTING A27 HIGHWAY BOUNDARY
 - EXISTING PAVEMENT AREA

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction	Maintenance / Cleaning	Use	Decommissioning / Demolition

Rev.	Date	Description	By	Chk'd	App'd
P01	18/05/16	First Issue	TC	KM	BS

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

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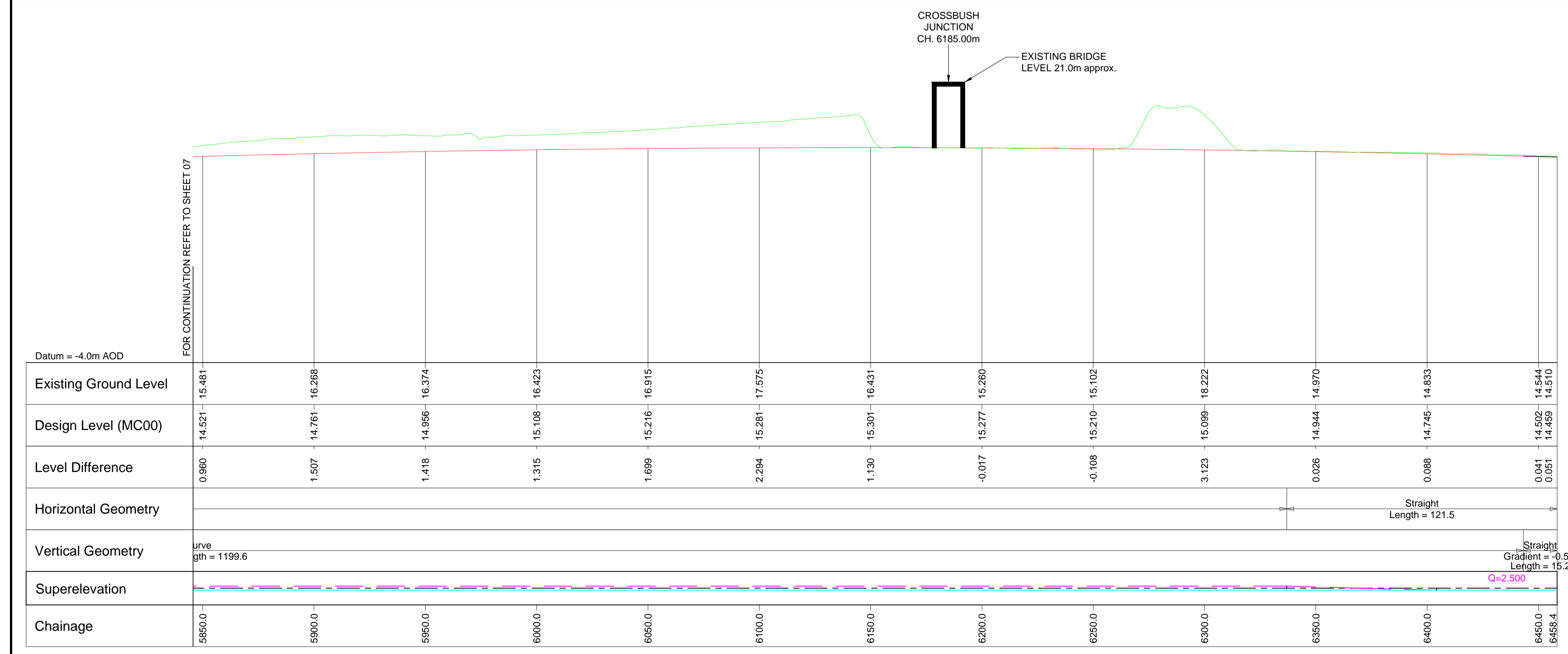
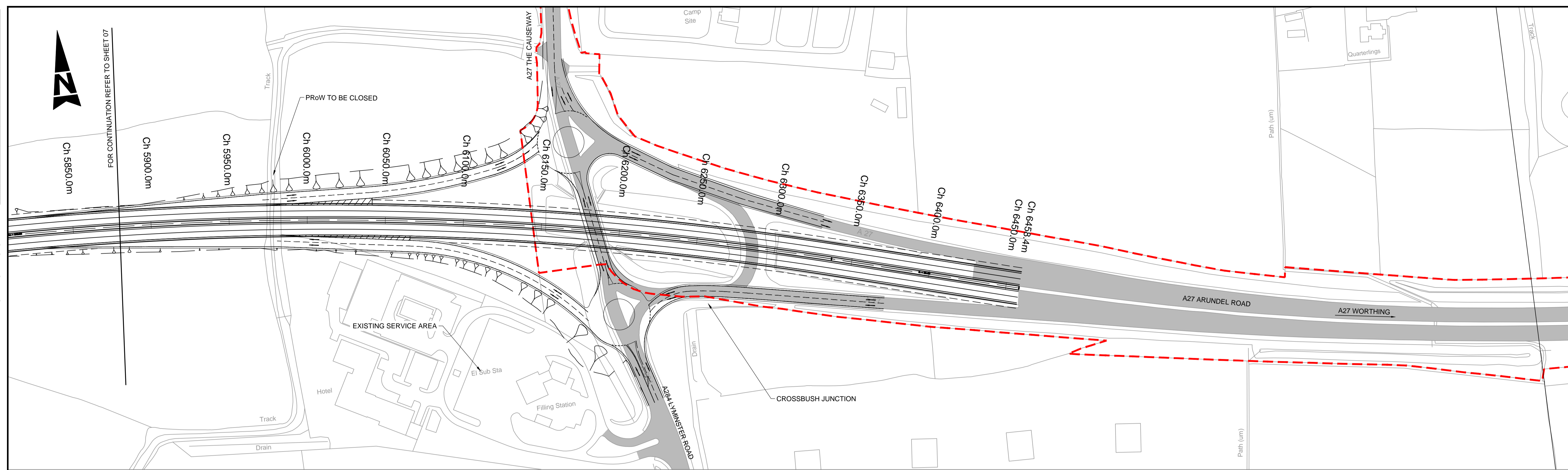
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Client: **Working on behalf of highways england**

Project Title: REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS					
Drawing Title: INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 5A SHEET 7 OF 8					
Scale: 1:1250	Drawn: TC	Checked: KM	Approved: BS	Authorised: ---	Original Size: A1
Date: 13/05/16	Date: 18/05/16	Date: 18/05/16	Date: ---	Date: ---	Project Ref. No: 3514447G
Project: HE551523 - WSP - HGN - A27AR - DR - D - 0607			Revision: P01		

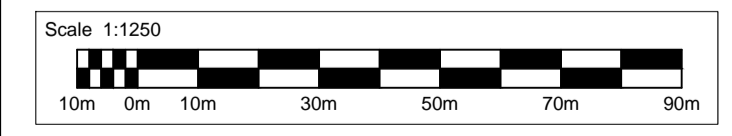
DO NOT SCALE

Millimetres
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NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0500.

- KEY:
- DESIGN LEVEL
 - EXISTING LEVEL
 - RIGHT CHANNEL LINE
 - LEFT CHANNEL LINE
 - EXISTING A27 HIGHWAY BOUNDARY
 - EXISTING PAVEMENT AREA



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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction	Maintenance / Cleaning	Use	Decommissioning / Demolition

Rev.	Date	Description	By	Chk'd	App'd
P01	18/05/16	First Issue	TC	KM	BS

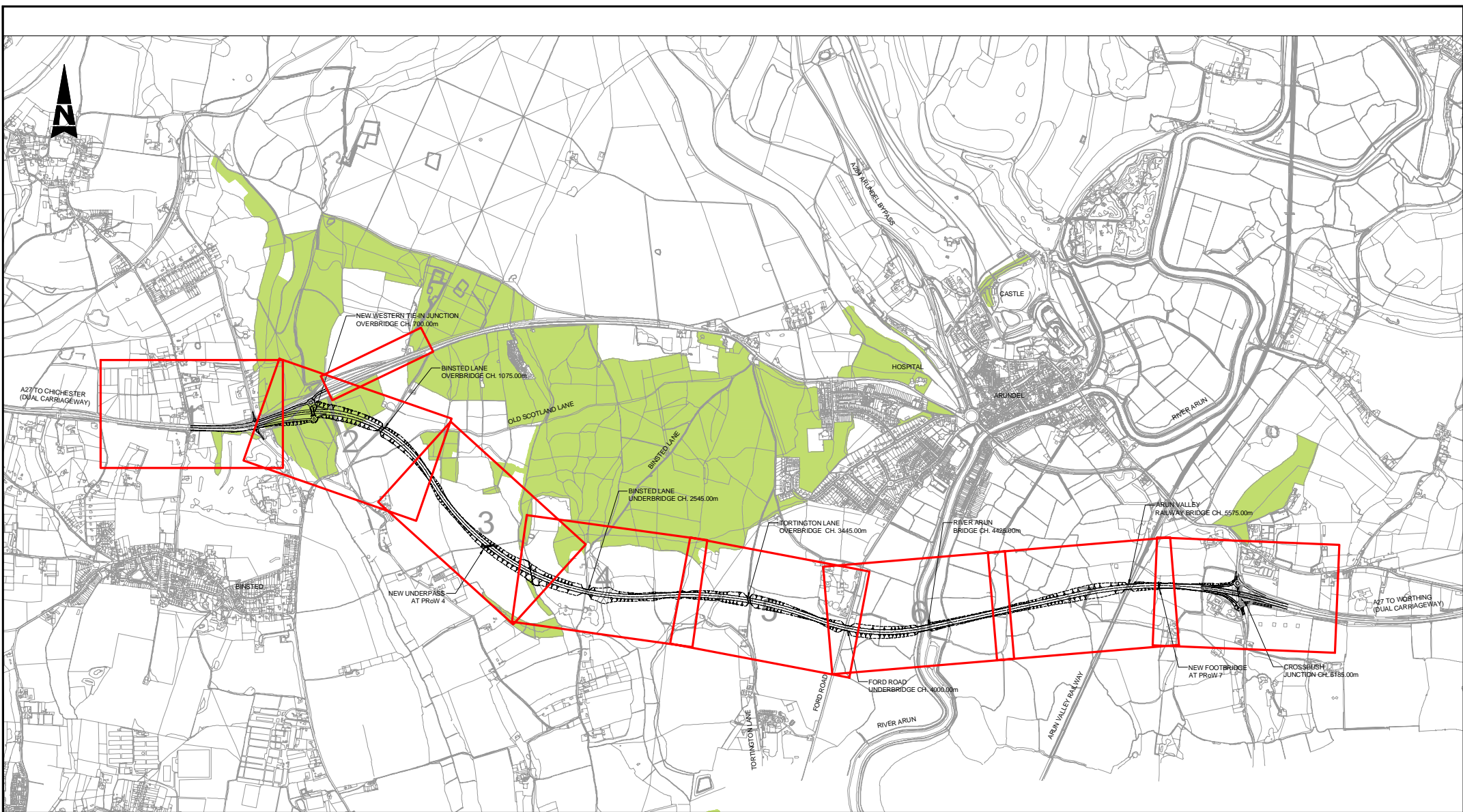
Drawing Status FOR INFORMATION		Suitability S2	Project Title REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS			
 Westbrook Mills Borough Road Godalming Surrey GU7 2AZ Tel: +44 (0)1483 528400 Fax: +44 (0)1483 528989 www.wsp-pb.co.uk		Drawing Title INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 5A SHEET 8 OF 8				
Scale 1:1250	Drawn TC	Checked KM	Approved BS	Authorised ---		
Original Size A1	Date 13/05/16	Date 18/05/16	Date 18/05/16	Date ---		
Client Working on behalf of highways england		Drawing Number HE551523 - WSP - HGN - A27AR - DR - D - 0608		Project Ref. No. 3514447G		
Location		Type	Role	Revision P01		

APPENDIX F-2

OPTION 5A – STATS

DO NOT SCALE

100
0 10
Millimetres



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NOTES:
1. FOR LAYOUTS REFER TO DRG. NOS. HE55123-WSP-VUT-A27AR-DR-Z-0601 TO 0608.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).			
Construction			
Maintenance / Cleaning			
Use			
Decommissioning / Demolition			
P01	18/05/16	First issue	TC KM BS
Rev	Date	Description	By Csk/G App'd

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REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS			
Drawing Title COMBINED UTILITIES OPTION 5A KEY PLAN			
Scale 1:10000	Drawn TC	Checked KM	Approved BS
Original Date A1	Date 13/05/16	Date 18/05/16	Date 18/05/16
Drawing Number HE551523 - WSP - VUT - A27AR - DR - Z - 0600	Originator Type	Volume Date	Project Ref No. 3514447G Revision P01

DO NOT SCALE

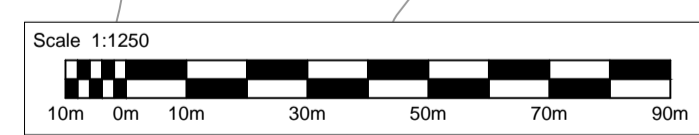
Millimetres

0 10 100



FOR CONTINUATION REFER TO SHEET 02

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NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-VUT-A27AR-DR-Z-0600.

UTILITIES KEY:

	BT UNDERGROUND
	BT OVERHEAD
	FOULWATER
	LOCAL HIGH PRESSURE MAIN
	LOW PRESSURE MAIN
	MEDIUM PRESSURE MAIN
	NETWORK RAIL HISTORIC CABLE ROUTE
	PORTSMOUTH WATER
	SOUTHERN WATER
	SSE HV
	SSE LV
	SURFACE WATER
	VIRGIN MEDIA

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction					
Maintenance / Cleaning					
Use					
Decommissioning / Demolition					

Rev.	Date	Description	By	Chkd	App'd
P01	18/05/16	First Issue			

FOR INFORMATION

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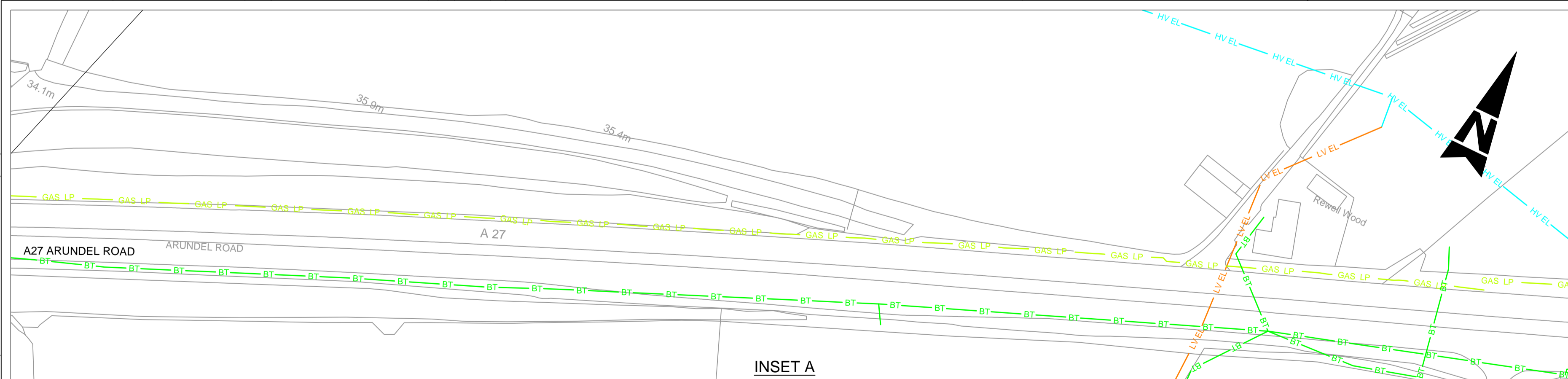
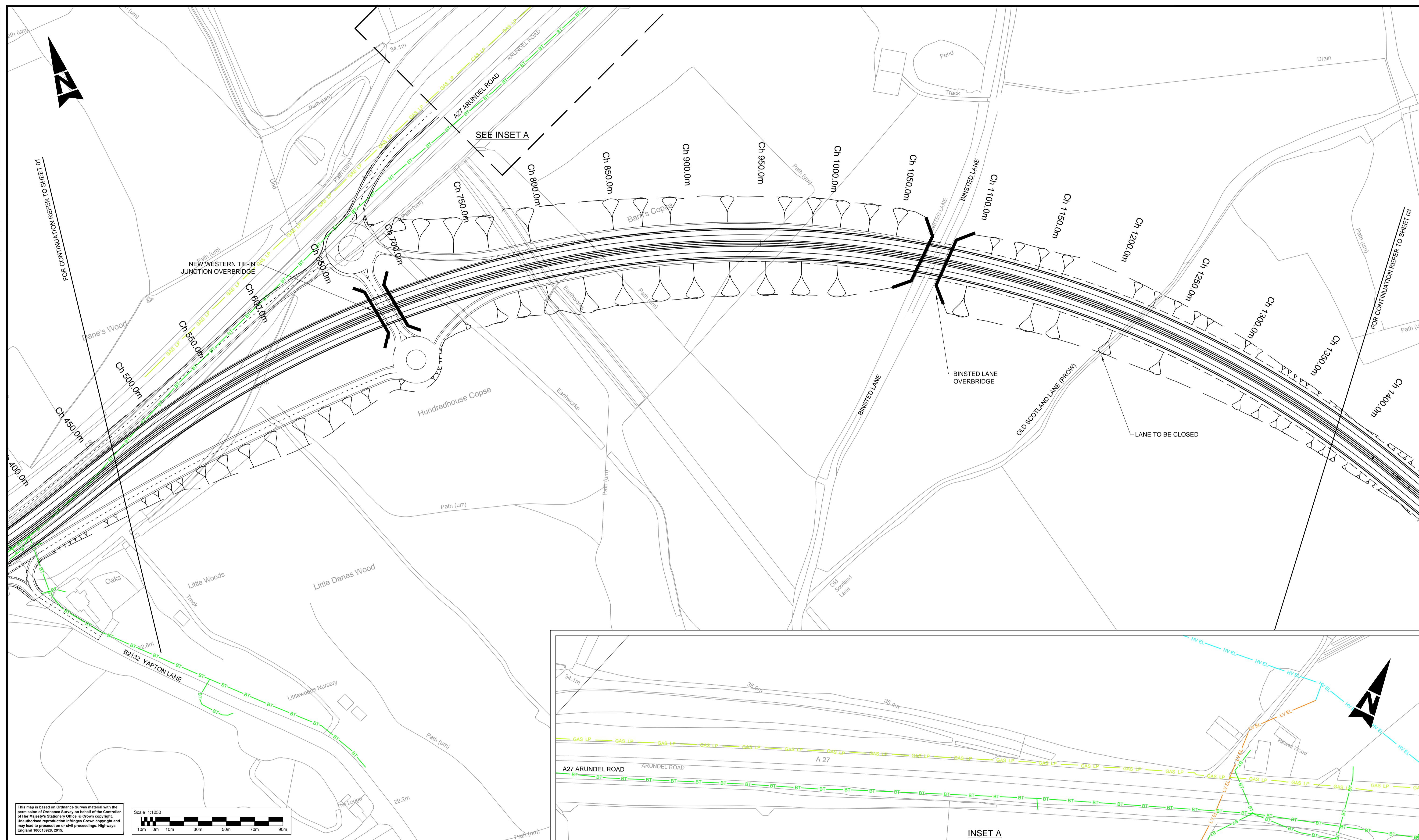
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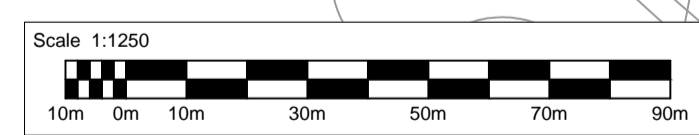
Project Title		REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS			
Drawing Title		COMBINED UTILITIES OPTION 5A SHEET 1 OF 8			
Scale	1:1250	Drawn	TC	Checked	KM
Original Size	A1	Date	13/05/16	Date	18/05/16
Approved	BS	Date	18/05/16	Authorised	---
Project Ref. No.	HE551523 - WSP - VUT - A27AR - DR - Z - 0601		Project Ref. No.	3514447G	
Revision	P01		Revision	P01	

DO NOT SCALE

Millimetres 0 10 100



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NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-VUT-A27AR-DR-Z-0600.

UTILITIES KEY:

	BT UNDERGROUND
	BT OVERHEAD
	FOULWATER
	LOCAL HIGH PRESSURE MAIN
	LOW PRESSURE MAIN
	MEDIUM PRESSURE MAIN
	NETWORK RAIL HISTORIC CABLE ROUTE
	PORTSMOUTH WATER
	SOUTHERN WATER
	SSE HV
	SSE LV
	SURFACE WATER
	VIRGIN MEDIA

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction	Maintenance / Cleaning	Use	Decommissioning / Demolition

Rev.	Date	Description	By	Chkd	App'd
P01	18/05/16	First Issue	TC	KM	BS

Drawing Status: **FOR INFORMATION**

Subsidiary: **S2**

Client: **Working on behalf of highways england**

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Project Title: **REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS**

Drawing Title: **COMBINED UTILITIES OPTION 5A SHEET 2 OF 8**

Scale	1:1250	Drawn	TC	Checked	KM	Approved	BS	Authorised	---
Original Size	A1	Date	13/05/16	Date	18/05/16	Date	18/05/16	Date	---
Drawing Number	HE551523 - WSP - VUT - A27AR - DR - Z - 0602		Originator	Volume		Project Ref. No.		3514447G	
Location	Type	Role	Number	Revision		P01			

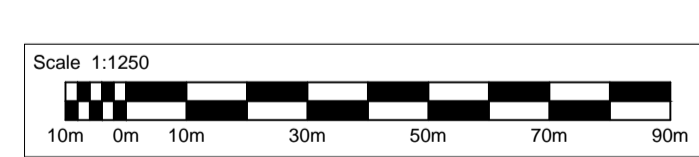
DO NOT SCALE

Millimetres

0 10 100



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NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-VUT-A27AR-DR-Z-0600.

UTILITIES KEY:

BT	BT	BT UNDERGROUND
BT	BT	BT OVERHEAD
F	F	FOULWATER
GAS LP	---	LOCAL HIGH PRESSURE MAIN
GAS LP	---	LOW PRESSURE MAIN
GAS LV	---	MEDIUM PRESSURE MAIN
NR	NR	NETWORK RAIL HISTORIC CABLE ROUTE
PW	PW	PORTSMOUTH WATER
---	---	SOUTHERN WATER
HV EL	---	SSE HV
LV EL	---	SSE LV
SW	SW	SURFACE WATER
VM	---	VIRGIN MEDIA

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction					
Maintenance / Cleaning					
Use					
Decommissioning / Demolition					

Rev.	Date	Description	By	Chkd	App'd
P01	18/05/16	First Issue			

Drawing Status: FOR INFORMATION

Subsidiary: S2

Client: Working on behalf of **highways england**

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REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS					
Drawing Title COMBINED UTILITIES OPTION 5A SHEET 3 OF 8					
Scale	1:1250	Drawn	TC	Checked	KM
Original Size	A1	Date	13/05/16	Date	18/05/16
Approved	BS	Date	18/05/16	Authorised	---
Project Ref. No.	HE551523 - WSP - VUT - A27AR - DR - Z - 0603				
Revision	P01				

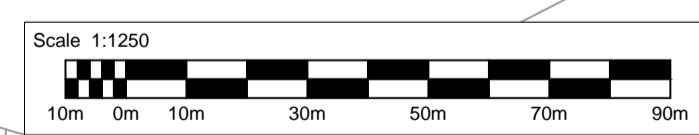
DO NOT SCALE

Millimetres

0 10 100



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NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-VUT-A27AR-DR-Z-0600.

UTILITIES KEY:

BT	BT	BT UNDERGROUND
BT	BT	BT OVERHEAD
F	F	FOULWATER
GAS LP	GAS LP	LOCAL HIGH PRESSURE MAIN
GAS LP	GAS LP	LOW PRESSURE MAIN
GAS LP	GAS LP	MEDIUM PRESSURE MAIN
NR	NR	NETWORK RAIL HISTORIC CABLE ROUTE
PW	PW	PORTSMOUTH WATER
		SOUTHERN WATER
HV EL	HV EL	SSE HV
LV EL	LV EL	SSE LV
SW	SW	SURFACE WATER
VM	VM	VIRGIN MEDIA

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction						
Maintenance / Cleaning						
Use						
Decommissioning / Demolition						
Rev.	Date	Description	By	Chkd	App'd	
P01	18/05/16	First Issue		TC	KM	BS

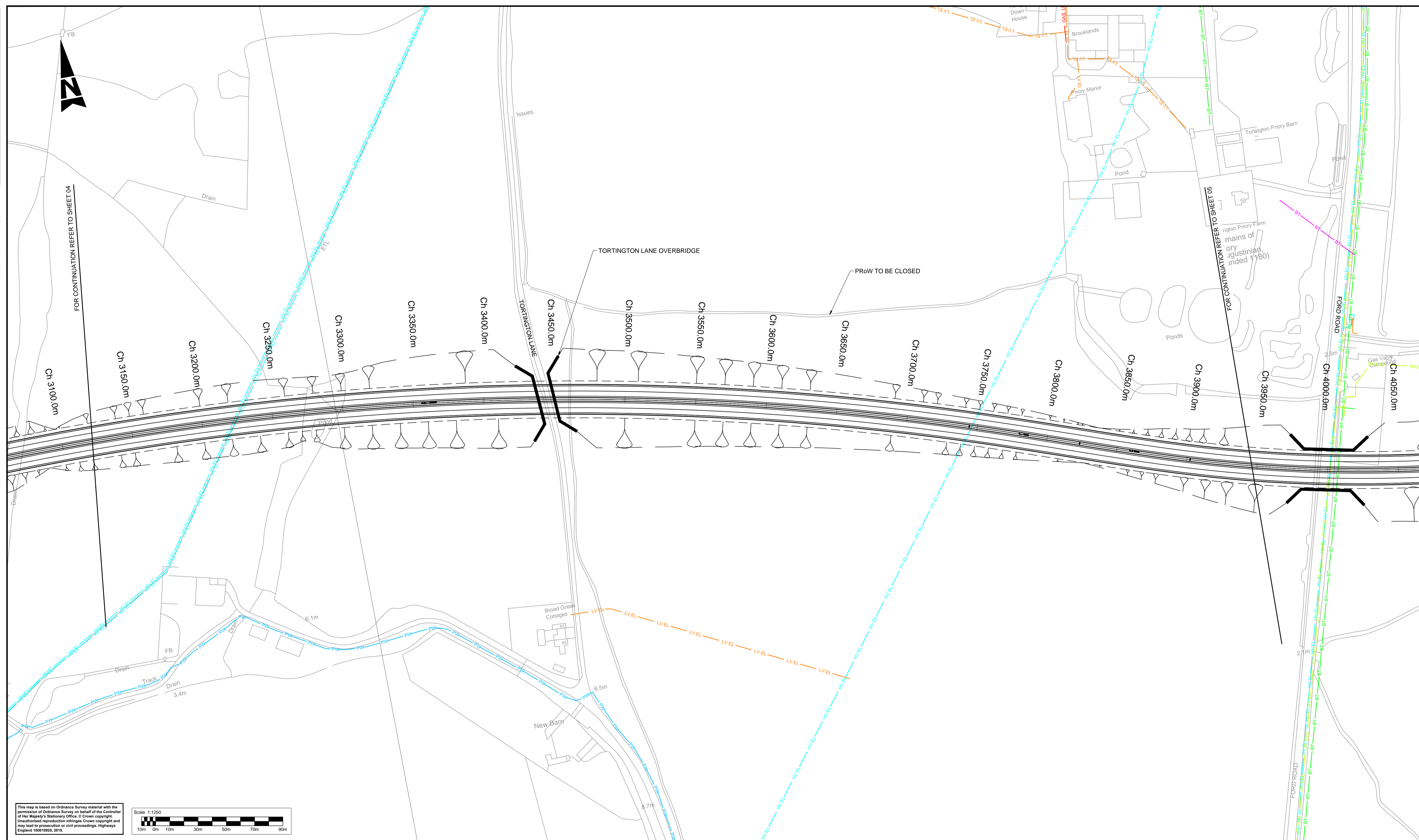
Drawing Status		Subsidiary	Project Title			
FOR INFORMATION		S2	REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS			
		Westbrook Mills Borough Road Godalming Surrey GU7 2AZ Tel: +44 (0)1483 528400 Fax: +44 (0)1483 528989 www.wsp-pb.co.uk				
Client		Working on behalf of				
		Scale: 1:1250 Original Size: A1 Date: 13/05/16 Checked: KM Date: 18/05/16 Approved: BS Date: 18/05/16 Authorised: --- Drawing Number: --- Project: HE55123 - WSP - VUT - A27AR - DR - Z - 0604 Location: --- Project Ref. No.: 3514447G Revision: P01				

DO NOT SCALE

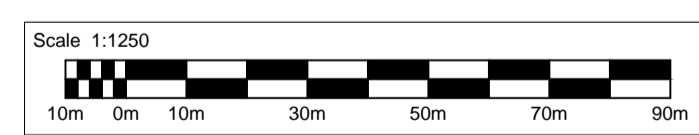
Millimetres

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NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-VUT-A27AR-DR-Z-0600.

UTILITIES KEY:

	BT	BT UNDERGROUND
	BT	BT OVERHEAD
	F	FOULWATER
	GAS LP	LOCAL HIGH PRESSURE MAIN
	GAS LP	LOW PRESSURE MAIN
	GAS LP	MEDIUM PRESSURE MAIN
	NR	NETWORK RAIL HISTORIC CABLE ROUTE
	PW	PORTSMOUTH WATER
	SOUTHERN WATER	
	HV EL	SSE HV
	LV EL	SSE LV
	SW	SURFACE WATER
	VM	VIRGIN MEDIA

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction					
Maintenance / Cleaning					
Use					
Decommissioning / Demolition					

Rev.	Date	Description	By	Chkd	App'd
P01	18/05/16	First Issue			

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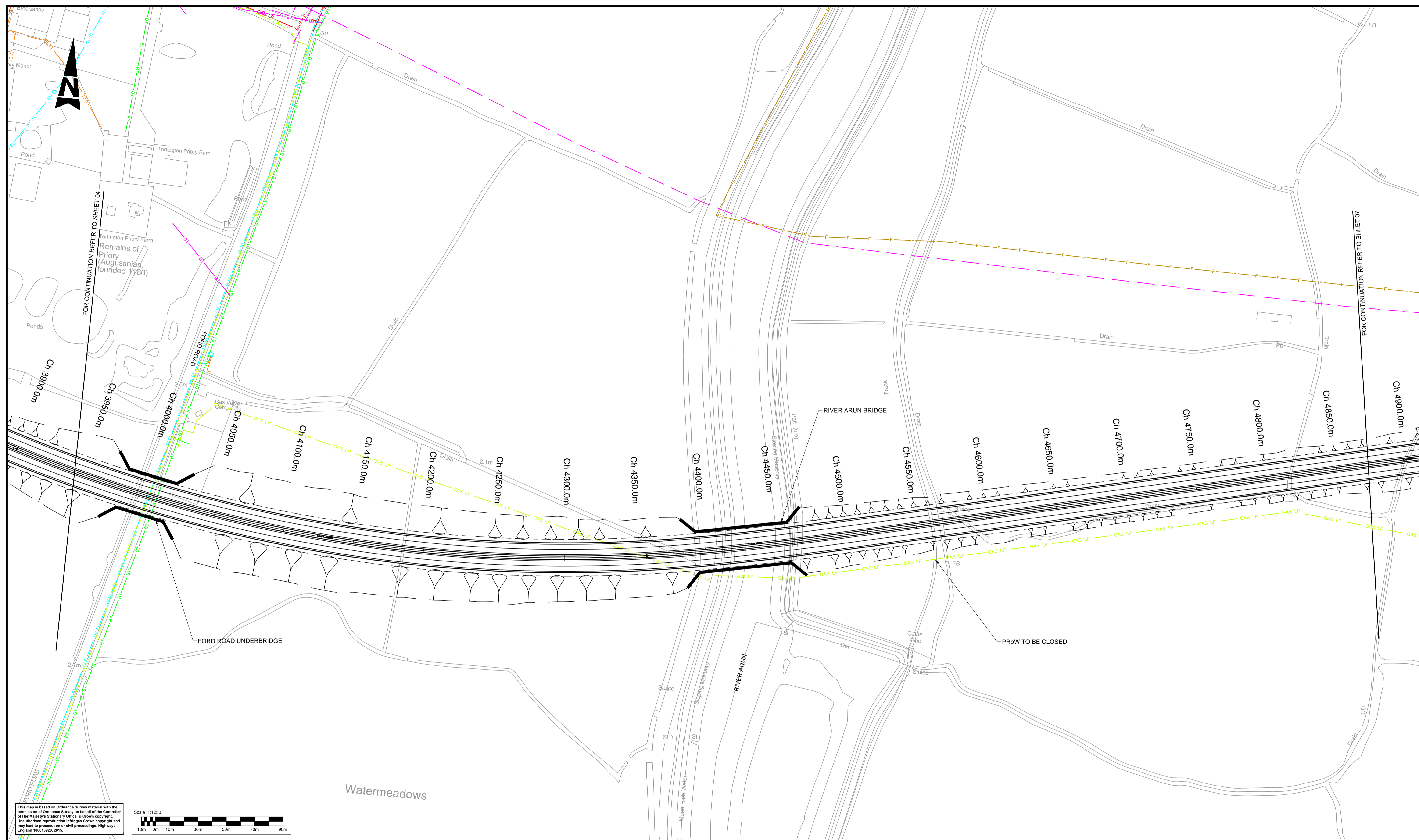
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Drawing Title	COMBINED UTILITIES OPTION 5A SHEET 5 OF 8				
Scale	1:1250	Drawn	TC	Checked	KM
Original Size	A1	Date	13/05/16	Date	18/05/16
Approved	BS	Date	18/05/16	Authorised	---
Project Ref. No.	HE551523 - WSP - VUT - A27AR - DR - Z - 0605				3514447G
Revision	P01				

DO NOT SCALE

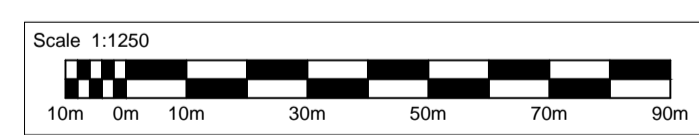
Millimetres

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NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-VUT-A27AR-DR-Z-0600.

UTILITIES KEY:

— BT	— BT UNDERGROUND
— BT	— BT OVERHEAD
— F	— FOULWATER
— GAS LP	— LOCAL HIGH PRESSURE MAIN
— GAS LP	— LOW PRESSURE MAIN
— GAS LP	— MEDIUM PRESSURE MAIN
— NR	— NETWORK RAIL HISTORIC CABLE ROUTE
— PW	— PORTSMOUTH WATER
— HV EL	— SOUTHERN WATER
— LV EL	— SSE HV
— SW	— SSE LV
— VM	— SURFACE WATER
— VM	— VIRGIN MEDIA

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction					
Maintenance / Cleaning					
Use					
Decommissioning / Demolition					

Rev.	Date	Description	By	Chkd	App'd
P01	18/05/16	First Issue			

FOR INFORMATION

WSP
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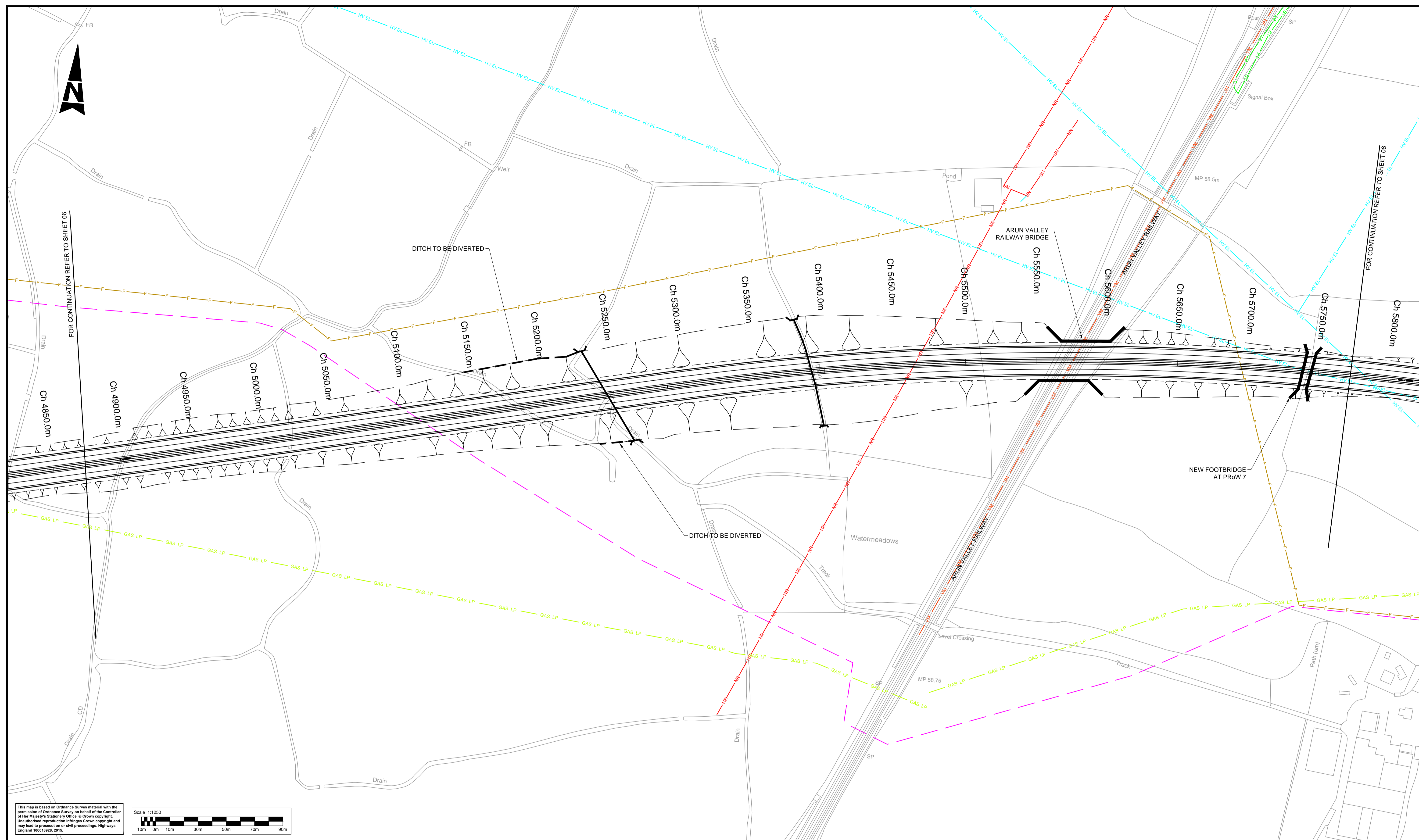
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Borough Road
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GU7 2AZ
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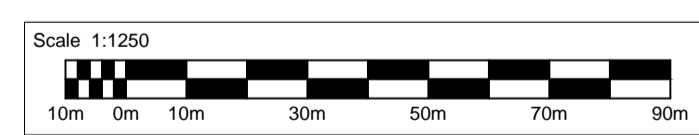
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Drawing Title		COMBINED UTILITIES OPTION 5A SHEET 6 OF 8			
Scale	1:1250	Drawn	TC	Checked	KM
Original Size	A1	Date	13/05/16	Date	18/05/16
Approved	BS	Date	18/05/16	Authorised	---
Drawing Number	Project		Originator	Volume	Project Ref. No.
	HE551523 - WSP - VUT - A27AR - DR - Z - 0606				3514447G
Location	Type	Role	Number	Revision	P01

DO NOT SCALE

Millimetres
0 10 100



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NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-VUT-A27AR-DR-Z-0600.

UTILITIES KEY:

	BT	BT UNDERGROUND
	BT	BT OVERHEAD
	F	FOULWATER
	GAS LP	LOCAL HIGH PRESSURE MAIN
	GAS LP	LOW PRESSURE MAIN
	GAS LP	MEDIUM PRESSURE MAIN
	NR	NETWORK RAIL HISTORIC CABLE ROUTE
	PW	PORTSMOUTH WATER
		SOUTHERN WATER
	HV EL	SSE HV
	LV EL	SSE LV
	SW	SURFACE WATER
	VM	VIRGIN MEDIA

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction					
Maintenance / Cleaning					
Use					
Decommissioning / Demolition					

Rev.	Date	Description	By	Chk'd	App'd
P01	18/05/16	First Issue			

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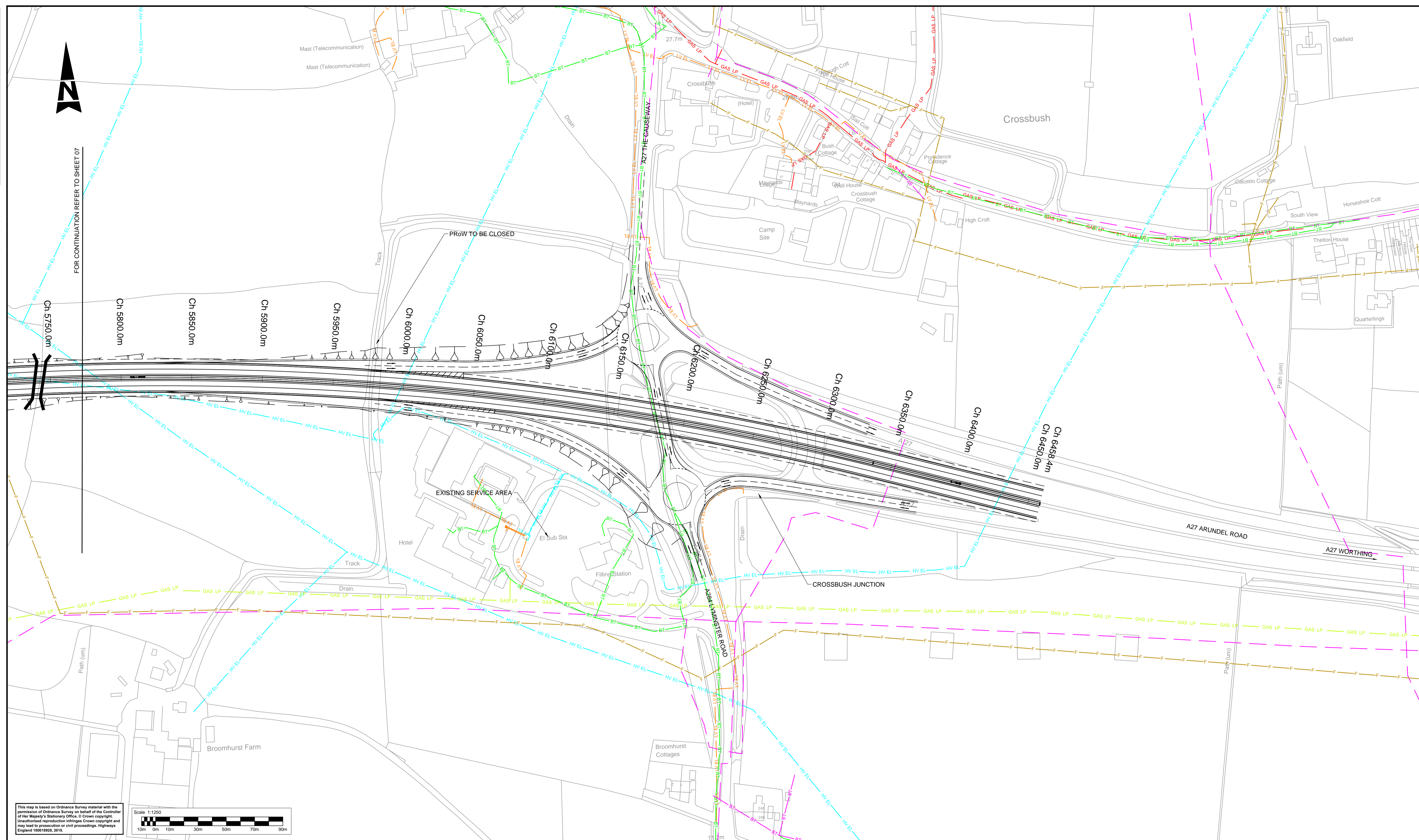
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Scale	1:1250	Drawn	TC	Checked	KM
Original Size	A1	Date	13/05/16	Date	18/05/16
Approved	BS	Date	18/05/16	Authorised	---
Project Ref. No.	HE551523 - WSP - VUT - A27AR - DR - Z - 0607				3514447G
Revision	P01				

DO NOT SCALE

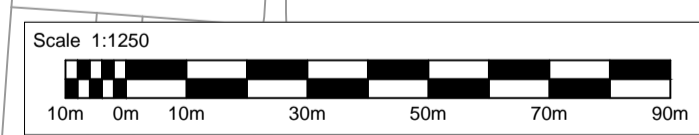
Millimetres

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NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-VUT-A27AR-DR-Z-0600.

UTILITIES KEY:

	BT	BT UNDERGROUND
	BT	BT OVERHEAD
	F	FOULWATER
	GAS LP	LOCAL HIGH PRESSURE MAIN
	GAS LP	LOW PRESSURE MAIN
	GAS LP	MEDIUM PRESSURE MAIN
	NR	NETWORK RAIL HISTORIC CABLE ROUTE
	PW	PORTSMOUTH WATER
		SOUTHERN WATER
	HV EL	SSE HV
	LV EL	SSE LV
	SW	SURFACE WATER
	VM	VIRGIN MEDIA

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction					
Maintenance / Cleaning					
Use					
Decommissioning / Demolition					

Rev.	Date	Description	By	Chkd	App'd
P01	18/05/16	First Issue			

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REGIONAL INVESTMENT PROGRAMME
A27 ARUNDEL BYPASS

COMBINED UTILITIES
OPTION 5A
SHEET 8 OF 8

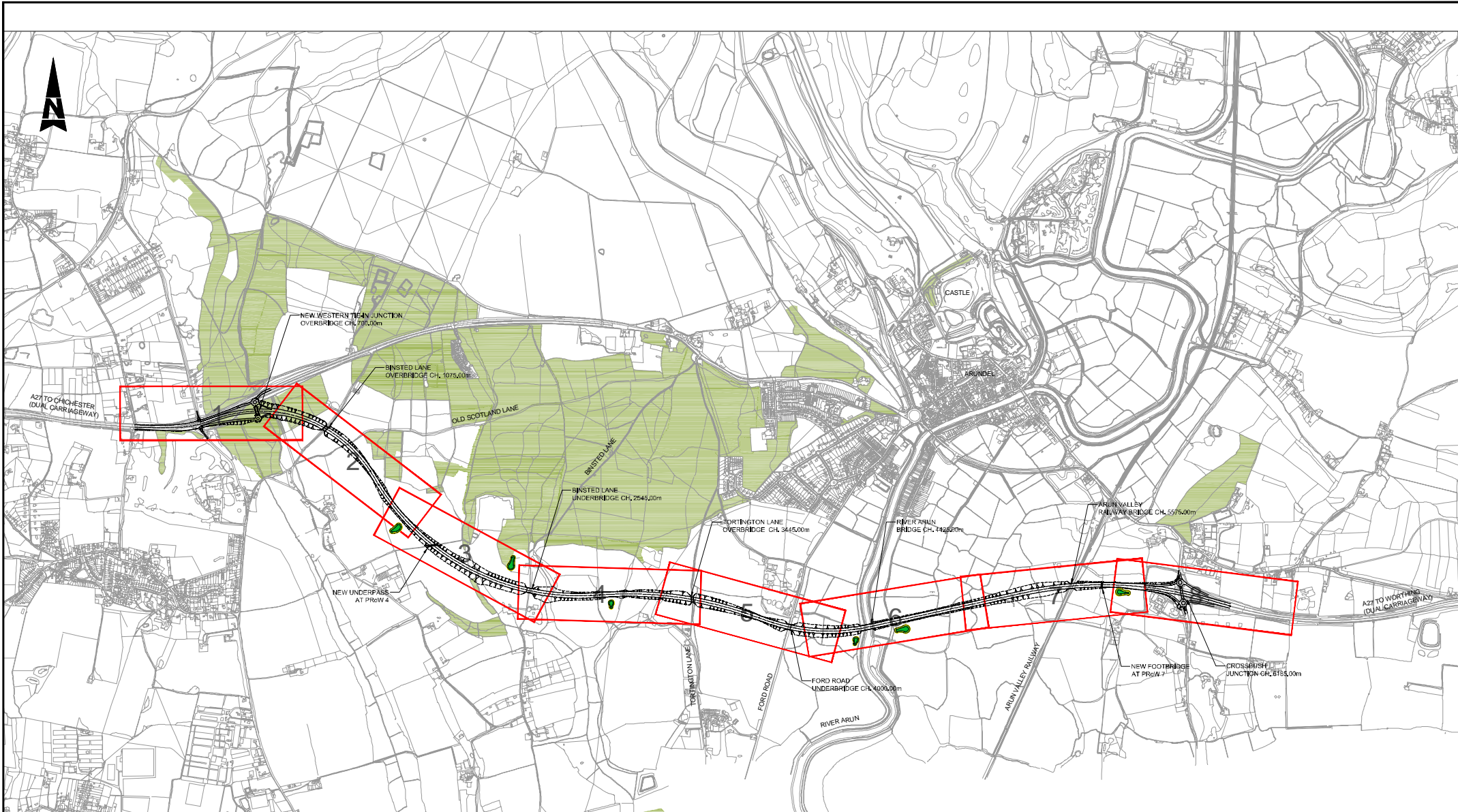
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Drawing Number	HE55123 - WSP - VUT - A27AR - DR - Z - 0608		Project	HE55123 - WSP - VUT - A27AR - DR - Z - 0608		Project Ref. No.	3514447G		Revision	P01

APPENDIX F-3

OPTION 5A – DRAINAGE

DO NOT SCALE

100
0 10
Millimetres



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Scale: 1:10,000

NOTES:
1. FOR LAYOUTS REFER TO DRG. NOS. HE55123-WSP-HDG-A27AR-DG-D-0051 TO 0058.

KEY:
 ATTENUATION POND

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction	Maintenance / Cleaning	Use	Decommissioning / Demolition

Rev	Date	Description	By	CHK'd	APP'd
P01	18/05/16	First issue	TC	DB	BS

Drawing Status: **FOR INFORMATION**

Subsidiary: **S2**

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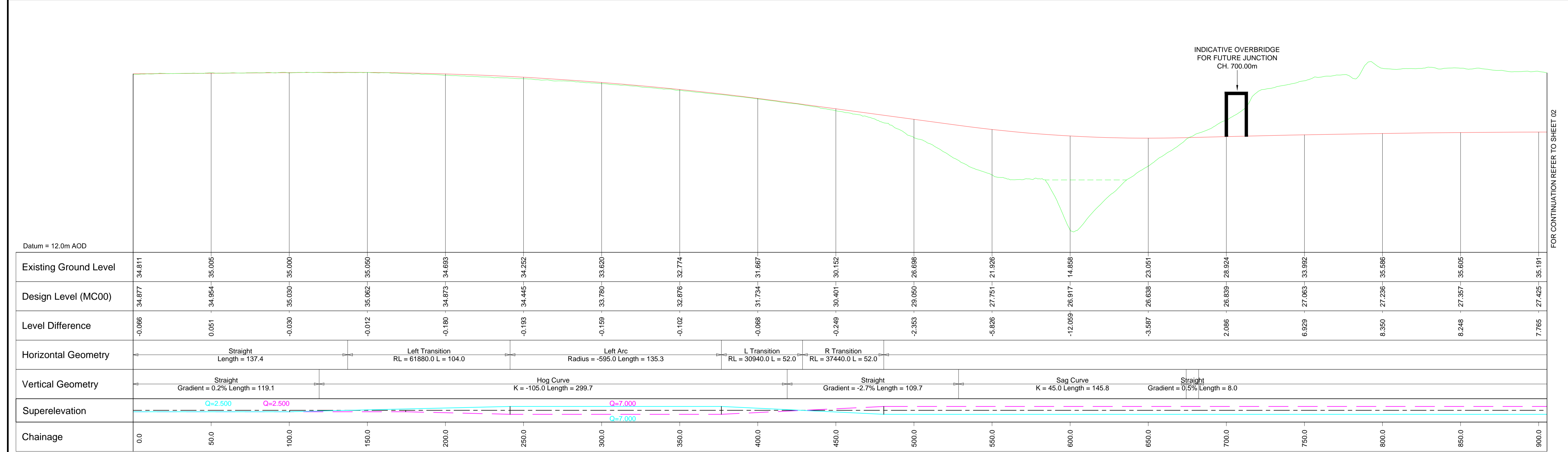
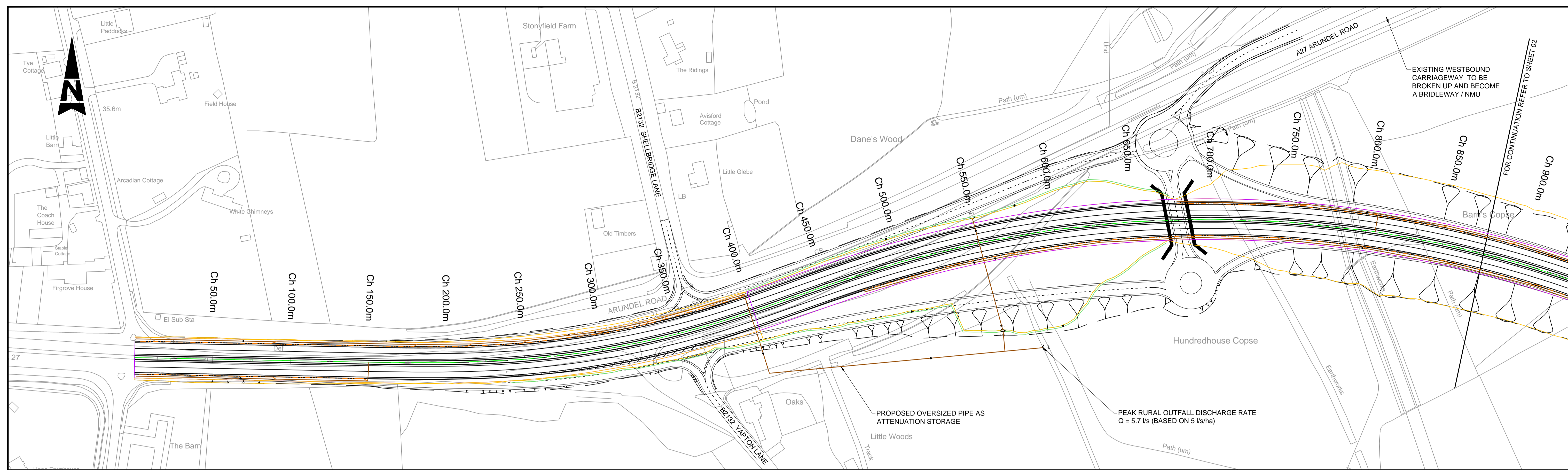
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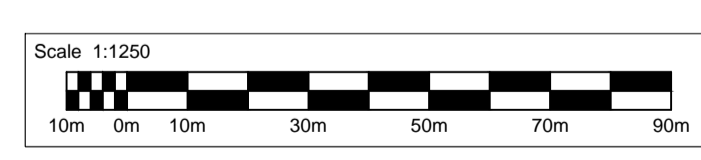
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Original Date: A1	Date: 13/05/16	Date: 18/05/16	Date: 18/05/16
Project: HE551523 - WSP - HDG - A27AR - DR - D - 0600	Originator:	Volume:	Project Ref. No: 3514447G
Location:	Type:	Date:	Revision: P01

DO NOT SCALE

100
0 10
Millimetres



- NOTES:**
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0500.
- KEY:**
- MANHOLE
 - SOAKAWAY
 - GULLY
 - CATCHPIT
 - OUTLET
 - HEADWALL
 - PETROL INTERCEPTOR
 - FLOW DIRECTION
 - DRAINAGE CARRIER
 - SEWER
 - FILTER DRAIN
 - FILTER DRAIN ON BRIDGE DECK
 - CATEGORY 3 DEFECT
 - CATEGORY 4 DEFECT
 - CATEGORY 5 DEFECT
 - ATTENUATION POND
 - DRAINAGE DITCH



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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction	Maintenance / Cleaning	Use	Decommissioning / Demolition

Rev.	Date	Description	By	Chkd	App'd
P01	18/05/16	First Issue	TC	DB	BS

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REGIONAL INVESTMENT PROGRAMME
A27 ARUNDEL BYPASS

DRAINAGE STRATEGY
OPTION 5A
SHEET 1 OF 8

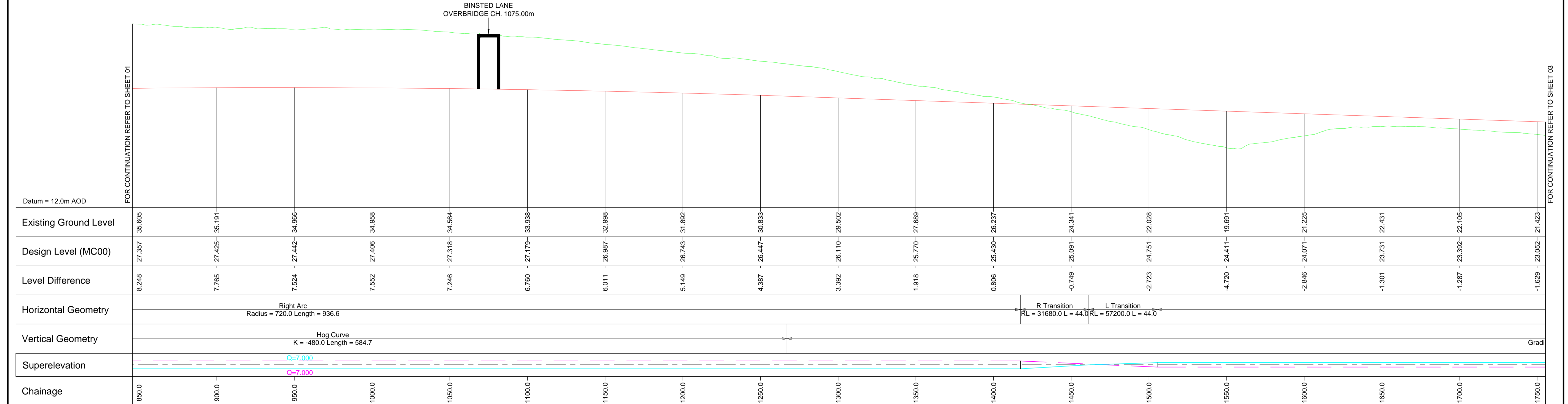
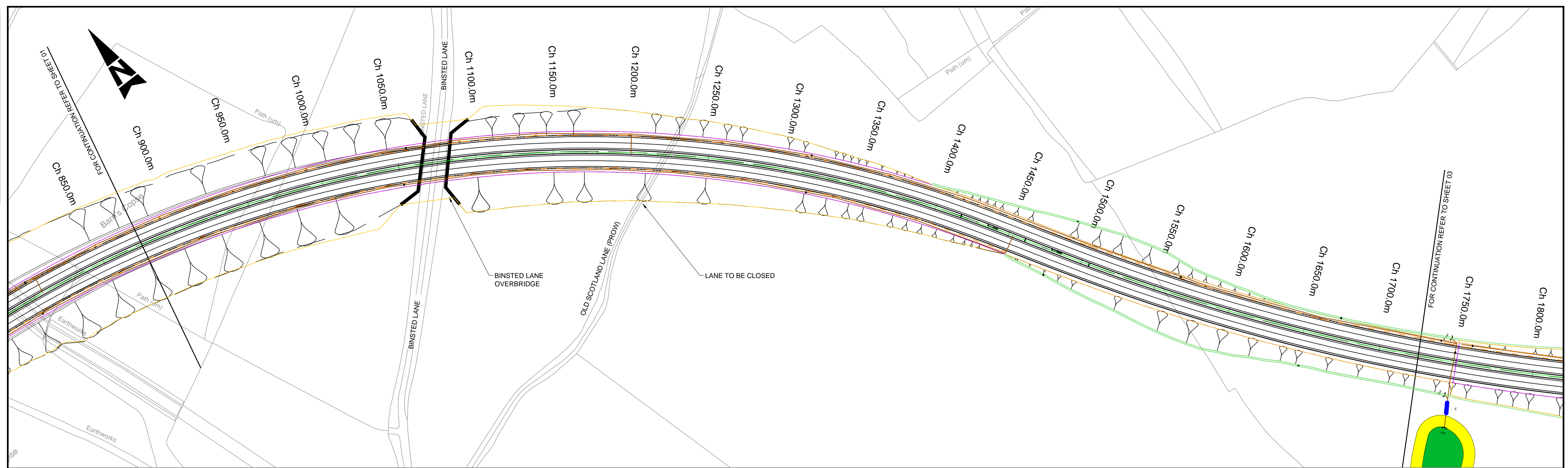
Scale	Drawn	Checked	Approved	Authorised
1:1250	TC	DB	BS	---

Original Size	Date	Date	Date	Date
A1	13/05/16	18/05/16	18/05/16	---

Project Ref. No. 3514447G
Revision P01

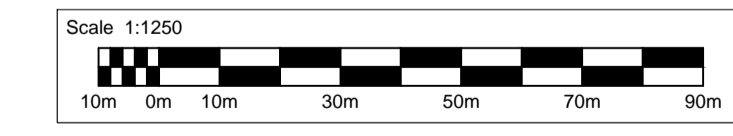
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Millimetres
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NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0500.

- KEY:
- MANHOLE
 - SOAKAWAY
 - GULLY
 - CATCHPIT
 - OUTLET
 - HEADWALL
 - PETROL INTERCEPTOR
 - FLOW DIRECTION
 - DRAINAGE CARRIER
 - SEWER
 - FILTER DRAIN
 - FILTER DRAIN
 - FILTER DRAIN ON BRIDGE DECK
 - CATEGORY 3 DEFECT
 - CATEGORY 4 DEFECT
 - CATEGORY 5 DEFECT
 - ATTENUATION POND
 - DRAINAGE DITCH



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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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Construction
Maintenance / Cleaning
Use
Decommissioning / Demolition

Rev.	Date	Description	By	Chkd	App'd	
P01	18/05/16	First Issue		TC	DB	BS

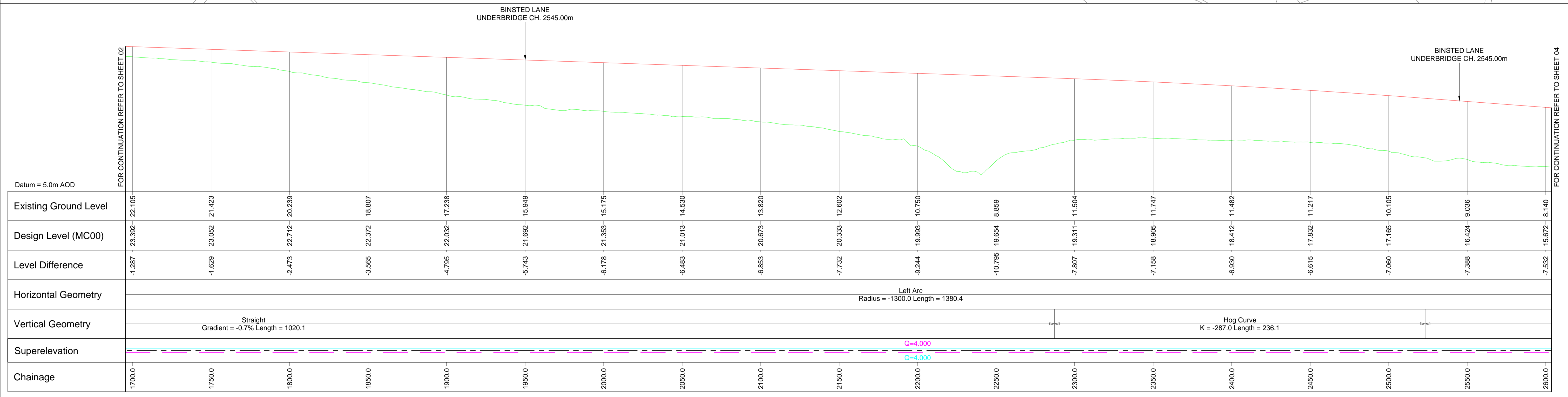
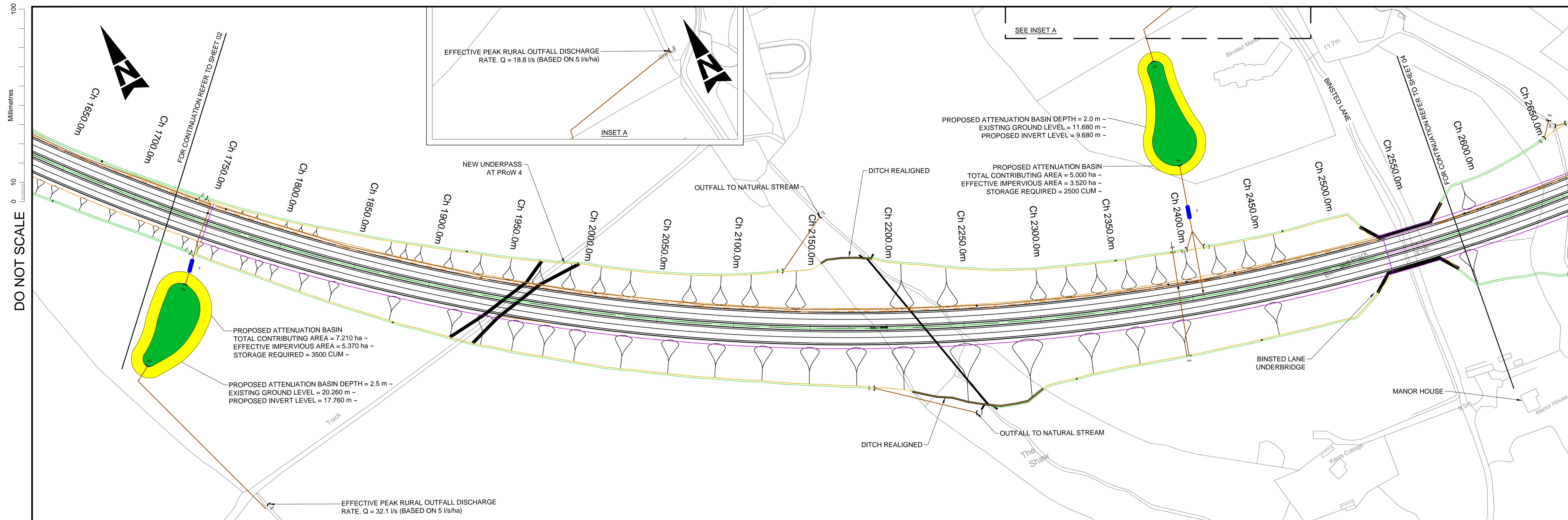
FOR INFORMATION

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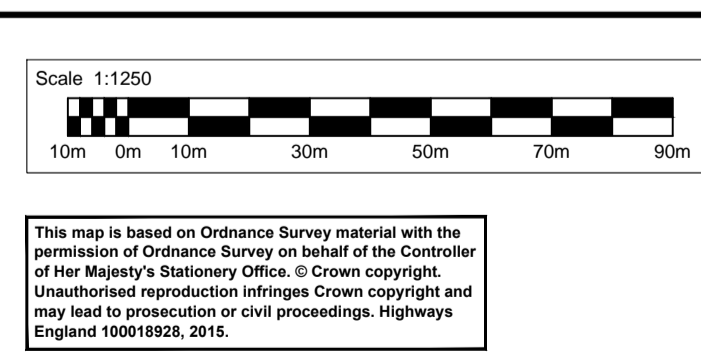
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S2		REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS			
DRAINAGE STRATEGY OPTION 5A SHEET 2 OF 8		Scale: 1:1250			
Drawn	TC	Checked	DB	Approved	BS
Date	13/05/16	Date	18/05/16	Date	18/05/16
Original Size	A1	Project		HE551523 - WSP - HDG - A27AR - DR - D - 0602	
Volume	3514447G	Revision	P01		



- NOTES:**
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0500.
- KEY:**
- MANHOLE
 - SOAKAWAY
 - GULLY
 - CATCHPIT
 - OUTLET
 - HEADWALL
 - PETROL INTERCEPTOR
 - FLOW DIRECTION
 - DRAINAGE CARRIER
 - SEWER
 - FILTER DRAIN
 - FILTER DRAIN
 - FILTER DRAIN ON BRIDGE DECK
 - CATEGORY 3 DEFECT
 - CATEGORY 4 DEFECT
 - CATEGORY 5 DEFECT
 - ATTENUATION POND
 - DRAINAGE DITCH



SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Rev.	Date	Description	By	Chkd	App'd	
P01	18/05/16	First Issue		TC	DB	BS

Rev.	Date	Description	By	Chkd	App'd

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REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS

DRAINAGE STRATEGY OPTION 5A SHEET 3 OF 8

Scale	Drawn	Checked	Approved	Authorised
1:1250	TC	DB	BS	---

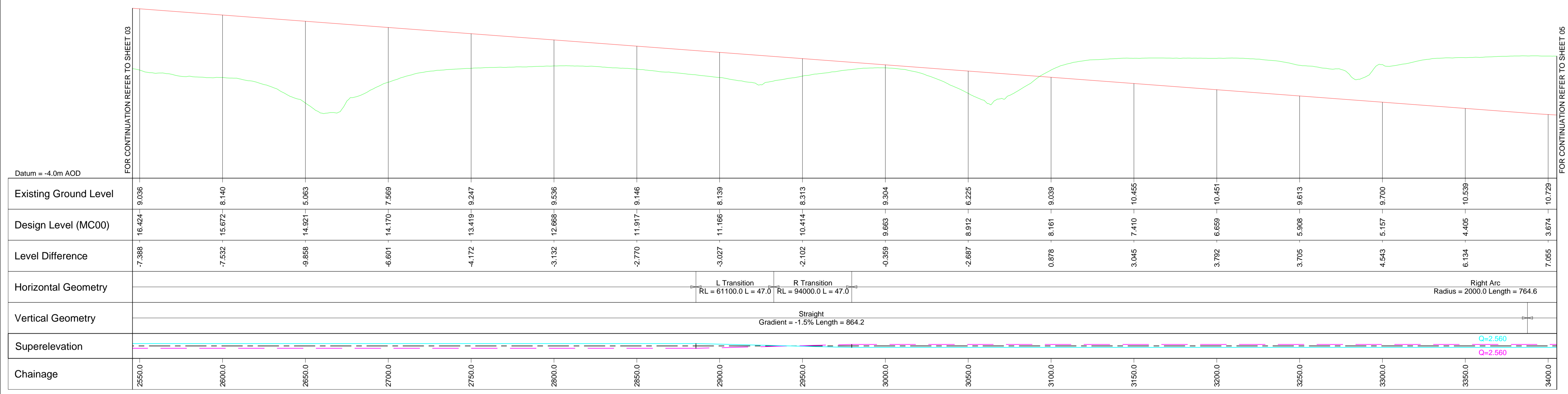
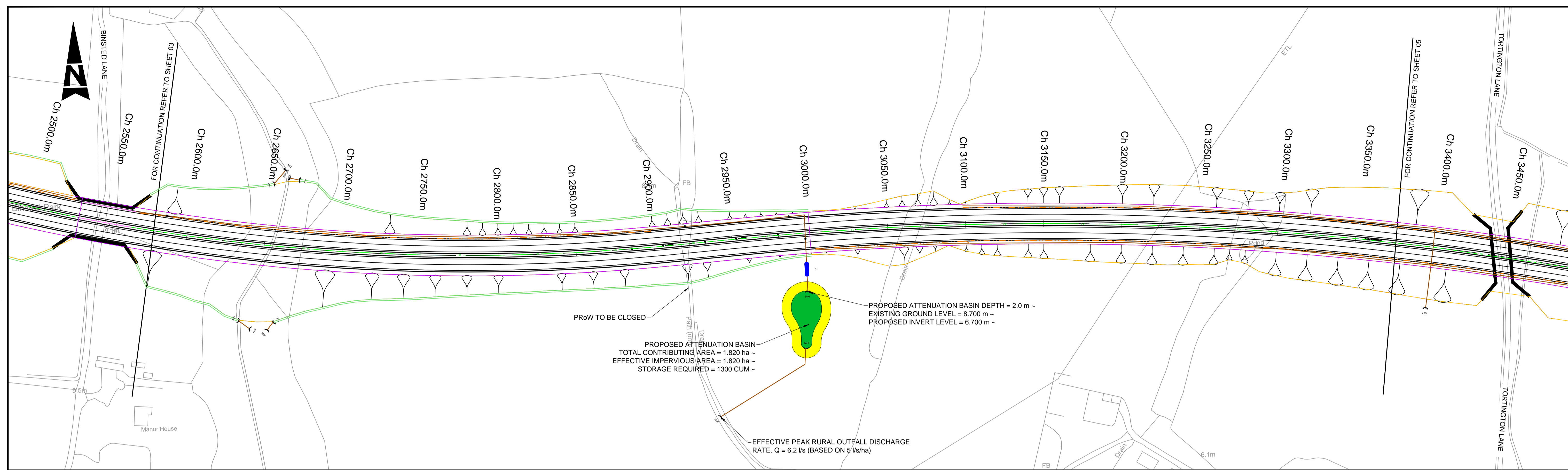
Original Size	Date	Date	Date	Date
A1	13/05/16	18/05/16	18/05/16	---

Drawing Number	Project	Originator	Volume	Project Ref. No.
HE551523 - WSP - HDG - A27AR - DR - D - 0603				3514447G

Location	Type	Role	Number
			P01

DO NOT SCALE

Millimetres
0 10 100



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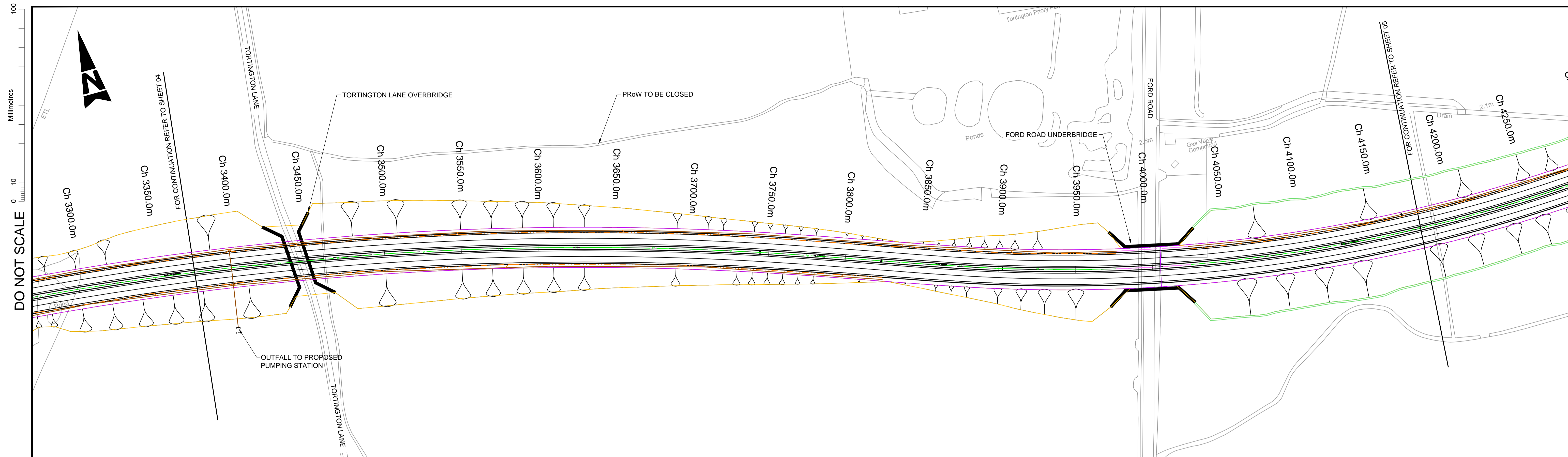
Scale 1:1250

- NOTES:**
- FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0500.
- KEY:**
- MANHOLE
 - SOAKAWAY
 - GULLY
 - CATCHPIT
 - OUTLET
 - HEADWALL
 - PETROL INTERCEPTOR
 - FLOW DIRECTION
 - DRAINAGE CARRIER
 - SEWER
 - FILTER DRAIN
 - FILTER DRAIN
 - FILTER DRAIN ON BRIDGE DECK
 - CATEGORY 3 DEFECT
 - CATEGORY 4 DEFECT
 - CATEGORY 5 DEFECT
 - ATTENUATION POND
 - DRAINAGE DITCH

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).			
Construction			
Maintenance / Cleaning			
Use			
Decommissioning / Demolition			

Rev.	Date	Description	By	Chk'd	App'd	
P01	18/05/16	First Issue		TC	DB	BS

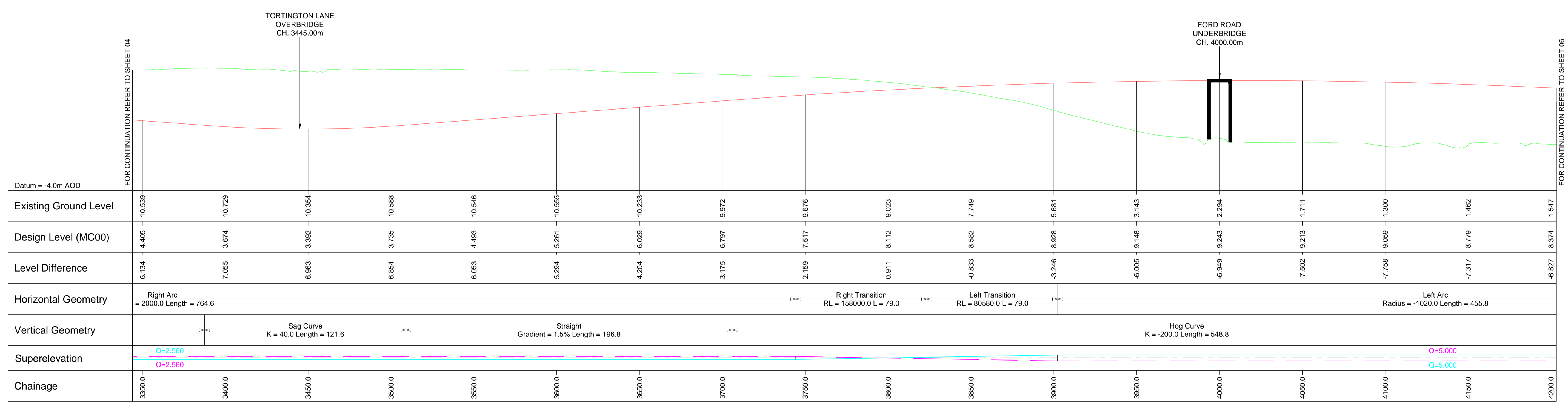
Drawing Status		S2		Project Title			
FOR INFORMATION		S2		REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS			
 		Westbrook Mills Borough Road Godalming Surrey GU7 2AZ Tel: +44 (0)1483 528400 Fax: +44 (0)1483 528989 www.wsp-pb.co.uk		Drawing Title DRAINAGE STRATEGY PROPOSALS OPTION 5A SHEET 4 OF 8			
Client		Working on behalf of		Scale 1:1250 Original Size A1			
		Drawn TC Date 13/05/16		Checked DB Date 18/05/16		Approved BS Date 18/05/16	
Project		HE551523 - WSP - HDG - A27AR - DR - D - 0604		Drawing Number 3514447G		Project Ref. No. 3514447G	
Location		Type		Role		Number	
						P01	



DO NOT SCALE

Millimetres

0 10 100



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Scale 1:1250

NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0500.

KEY:

- MANHOLE
- SOAKAWAY
- GULLY
- CATCHPIT
- OUTLET
- ~ HEADWALL
- PETROL INTERCEPTOR
- FLOW DIRECTION
- DRAINAGE CARRIER
- SEWER
- FILTER DRAIN
- FILTER DRAIN
- FILTER DRAIN ON BRIDGE DECK
- CATEGORY 3 DEFECT
- CATEGORY 4 DEFECT
- CATEGORY 5 DEFECT
- ATTENUATION POND
- DRAINAGE DITCH

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

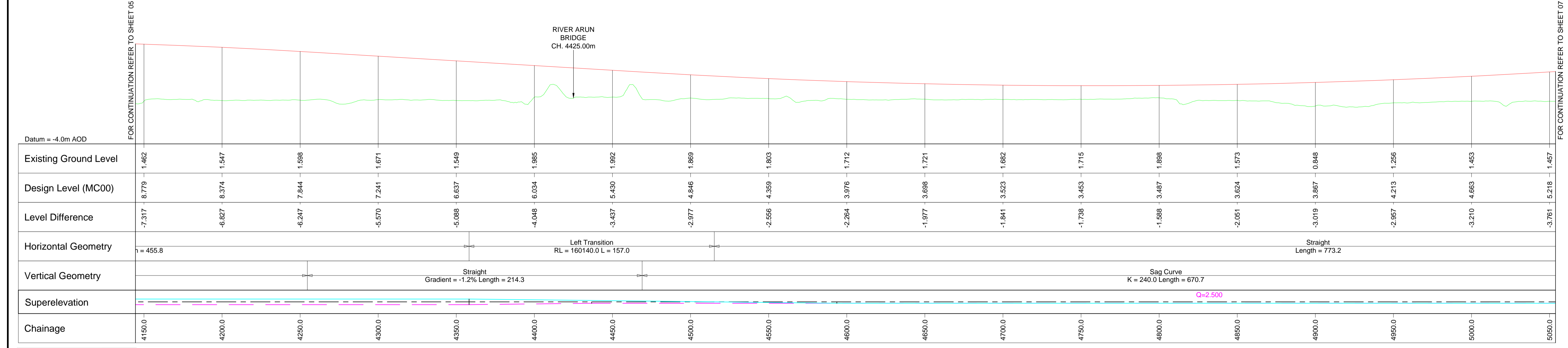
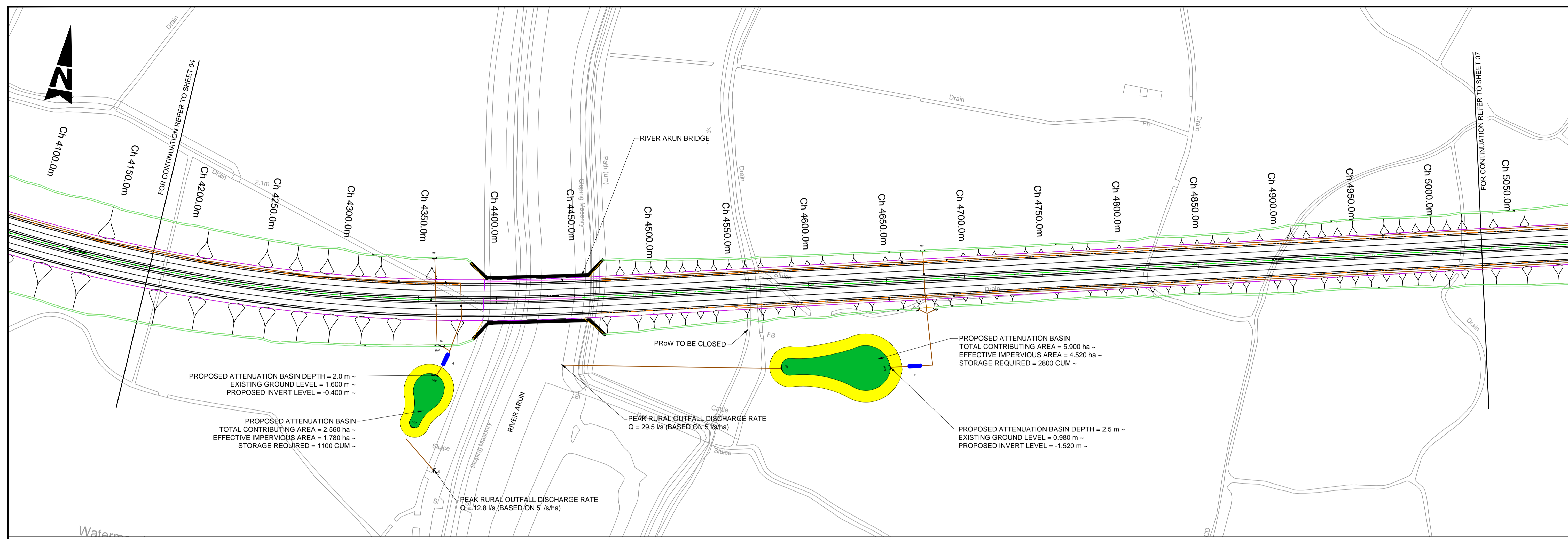
Construction	Maintenance / Cleaning	Use	Decommissioning / Demolition

Rev.	Date	Description	By	Chkd	App'd
P01	18/05/16	First Issue	TC	DB	BS

Drawing Status		Suitability	Project Title			
FOR INFORMATION		S2	REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS			
		Drawing Title DRAINAGE STRATEGY PROPOSALS OPTION 5A SHEET 5 OF 8				
Client		Scale	Drawn	Checked	Approved	Authorised
Working on behalf of		1:1250	TC	DB	BS	---
Project		Original Size	Date	Date	Date	Date
HE551523 - WSP - HDG - A27AR - DR - D - 0605		A1	13/05/16	18/05/16	18/05/16	---
Location		Drawing Number	Project Ref. No.		Revision	
			3514447G		P01	

DO NOT SCALE

Millimetres
100
10
0



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Scale 1:1250

- NOTES:
- FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0500.
- KEY:
- MANHOLE
 - SOAKAWAY
 - GULLY
 - CATCHPIT
 - OUTLET
 - HEADWALL
 - PETROL INTERCEPTOR
 - FLOW DIRECTION
 - DRAINAGE CARRIER
 - SEWER
 - FILTER DRAIN
 - FILTER DRAIN ON BRIDGE DECK
 - CATEGORY 3 DEFECT
 - CATEGORY 4 DEFECT
 - CATEGORY 5 DEFECT
 - ATTENUATION POND
 - DRAINAGE DITCH

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction					
Maintenance / Cleaning					
Use					
Decommissioning / Demolition					

Rev.	Date	Description	By	Chkd	App'd
P01	18/05/16	First Issue			

FOR INFORMATION

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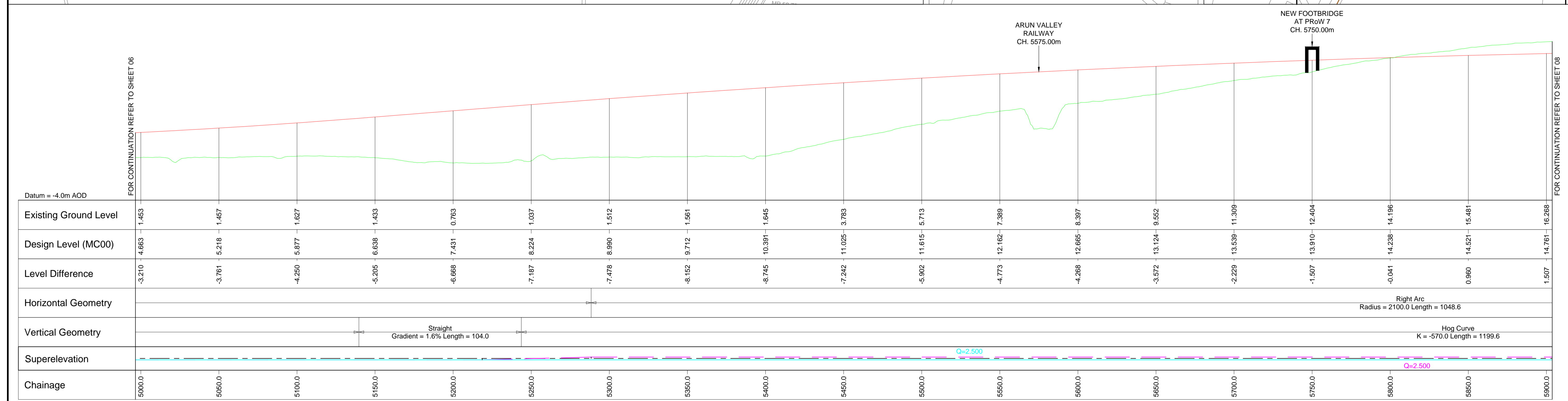
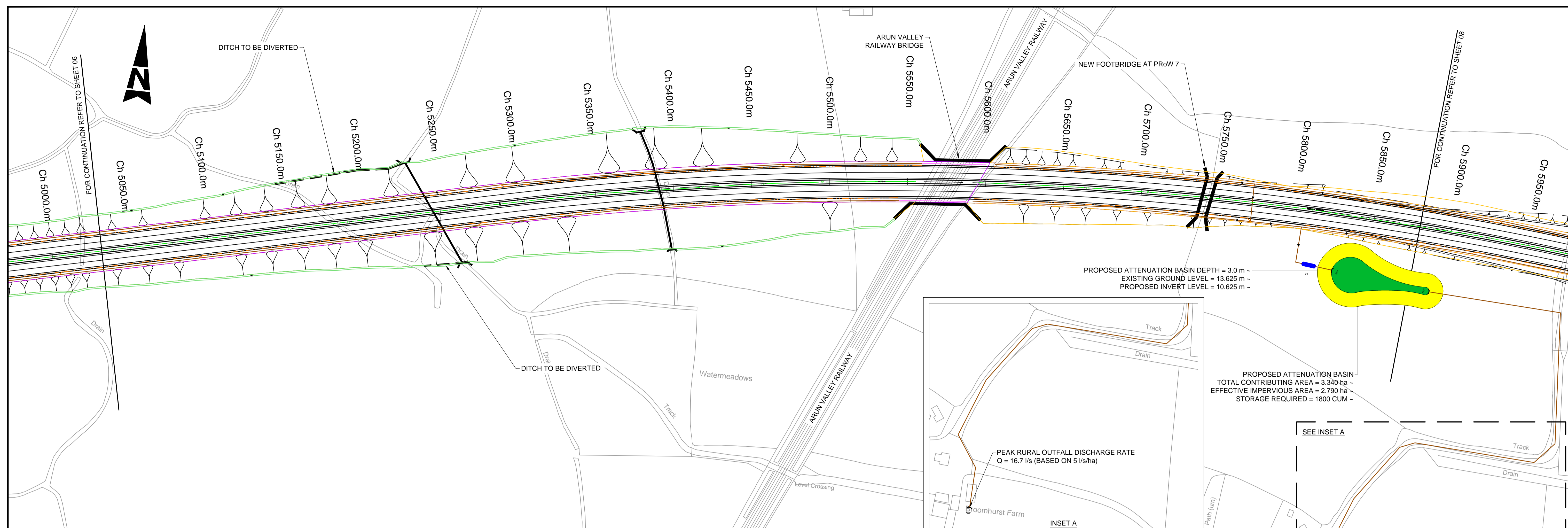
REGIONAL INVESTMENT PROGRAMME
A27 ARUNDEL BYPASS

DRAINAGE STRATEGY
OPTION 5A
SHEET 6 OF 8

Scale	1:1250	Drawn	TC	Checked	DB	Approved	BS	Authorised	---
Original Size	A1	Date	13/05/16	Date	18/05/16	Date	18/05/16	Date	---
Drawing Number	HE551523 - WSP - HDG - A27AR - DR - D - 0606	Project	Initiator		Volume		Project Ref. No. 3514447G		
Location	Type	Role	Number		Revision		P01		

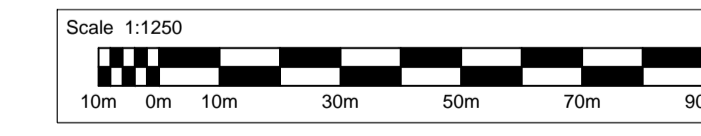
DO NOT SCALE

Millimetres
0 10 100



NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0500.

- KEY:
- MANHOLE
 - SOAKAWAY
 - GULLY
 - CATCHPIT
 - OUTLET
 - HEADWALL
 - PETROL INTERCEPTOR
 - FLOW DIRECTION
 - DRAINAGE CARRIER
 - SEWER
 - FILTER DRAIN
 - FILTER DRAIN
 - FILTER DRAIN ON BRIDGE DECK
 - CATEGORY 3 DEFECT
 - CATEGORY 4 DEFECT
 - CATEGORY 5 DEFECT
 - ATTENUATION POND
 - DRAINAGE DITCH



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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction	Maintenance / Cleaning	Use	Decommissioning / Demolition

Rev.	Date	Description	By	Chkd	App'd
P01	18/05/16	First Issue			

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REGIONAL INVESTMENT PROGRAMME
A27 ARUNDEL BYPASS

DRAINAGE STRATEGY
OPTION 5A
SHEET 7 OF 8

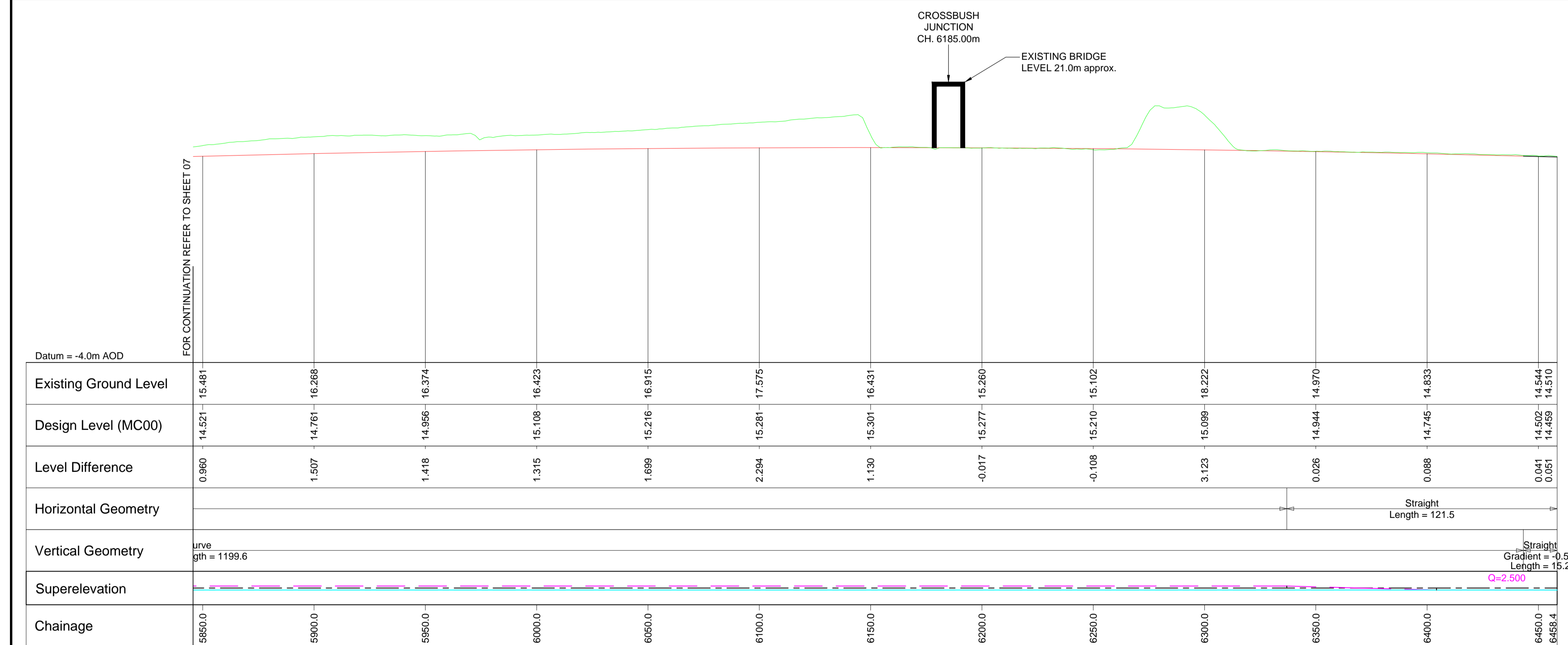
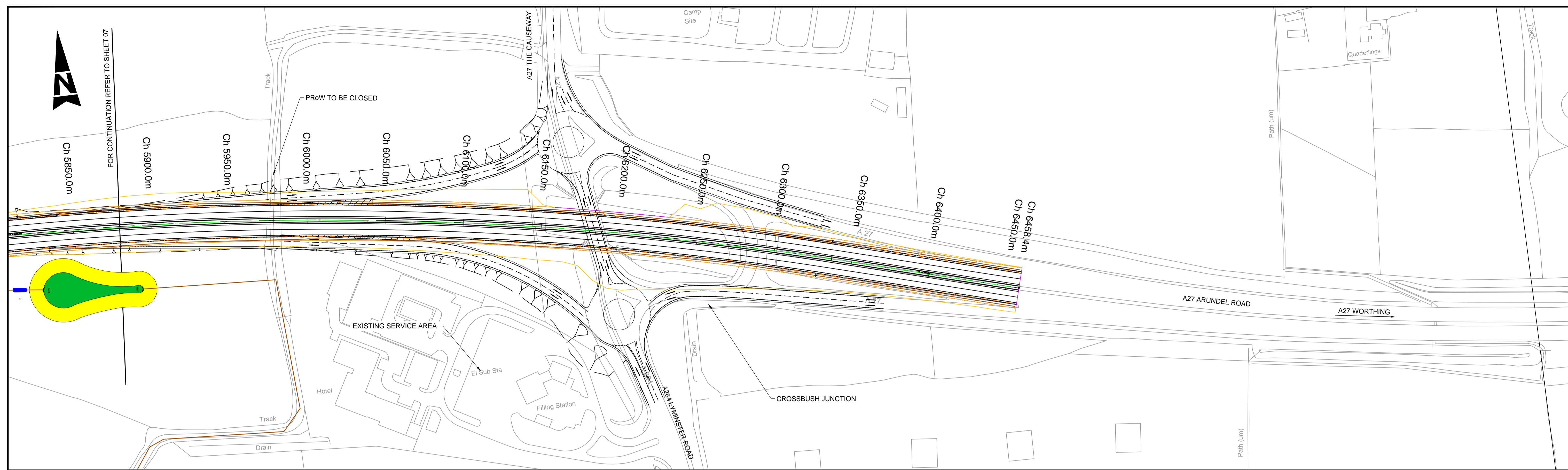
Scale: 1:1250
Drawn: TC
Checked: DB
Approved: BS
Authorised: ---

Original Size: A1
Date: 13/05/16
Date: 18/05/16
Date: 18/05/16

Project: HE551523 - WSP - HDG - A27AR - DR - D - 0607
Volume: ---
Project Ref. No.: 3514447G
Revision: P01

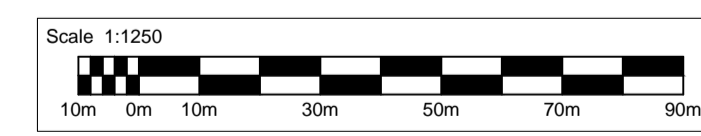
DO NOT SCALE

Millimetres
0 10 100



NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0500.

- KEY:
- MANHOLE
 - SOAKAWAY
 - GULLY
 - CATCHPIT
 - OUTLET
 - HEADWALL
 - PETROL INTERCEPTOR
 - FLOW DIRECTION
 - DRAINAGE CARRIER
 - SEWER
 - FILTER DRAIN
 - FILTER DRAIN
 - FILTER DRAIN ON BRIDGE DECK
 - CATEGORY 3 DEFECT
 - CATEGORY 4 DEFECT
 - CATEGORY 5 DEFECT
 - ATTENUATION POND
 - DRAINAGE DITCH



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In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction	Maintenance / Cleaning	Use	Decommissioning / Demolition

Rev.	Date	Description	By	Chk'd	App'd
P01	18/05/16	First Issue			

Drawing Status		S2	Project Title			
FOR INFORMATION			REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS			
 		Westbrook Mills Borough Road Godalming Surrey GU7 2AZ Tel: +44 (0)1483 528400 Fax: +44 (0)1483 528989 www.wsp-pb.co.uk		Drawing Title DRAINAGE STRATEGY OPTION 5A SHEET 8 OF 8		
Client		Scale	Drawn	Checked	Approved	Authorised
Working on behalf of		1:1250	TC	DB	BS	---
		Original Size	Date	Date	Date	Date
		A1	13/05/16	18/05/16	18/05/16	---
Project		Drawing Number	Project Ref. No.		Revision	
HE551523 - WSP - HDG - A27AR - DR - D - 0608		3514447G	3514447G		P01	
Location		Type	Role	Number		

APPENDIX F-4

OPTION 5A – NMU PROPOSALS

DO NOT SCALE

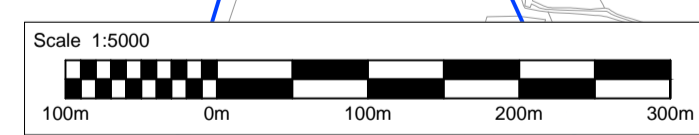
Millimetres

0 10 100



FOR CONTINUATION REFER TO SHEET 02

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NOTES:
1. FOR SHEET 2 REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0611.

- KEY:
- SHARED SEGREGATED PEDESTRIAN AND CYCLE LANE
 - NEW BRIDLEWAY
 - RECENT OFF-ROAD SHARED PEDESTRIAN / CYCLE LANE PROVIDED BY WSCC
 - PROPOSED LANDBRIDGE
 - EXISTING PRoW
 - EXISTING BRIDLEWAYS
 - EXISTING CYCLE LANES

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction	
Maintenance / Cleaning	
Use	
Decommissioning / Demolition	

Rev.	Date	Description	By	Chkd	App'd
P01	18/05/16	First Issue			

Drawing Status: **FOR INFORMATION**

Suitability: **S2**

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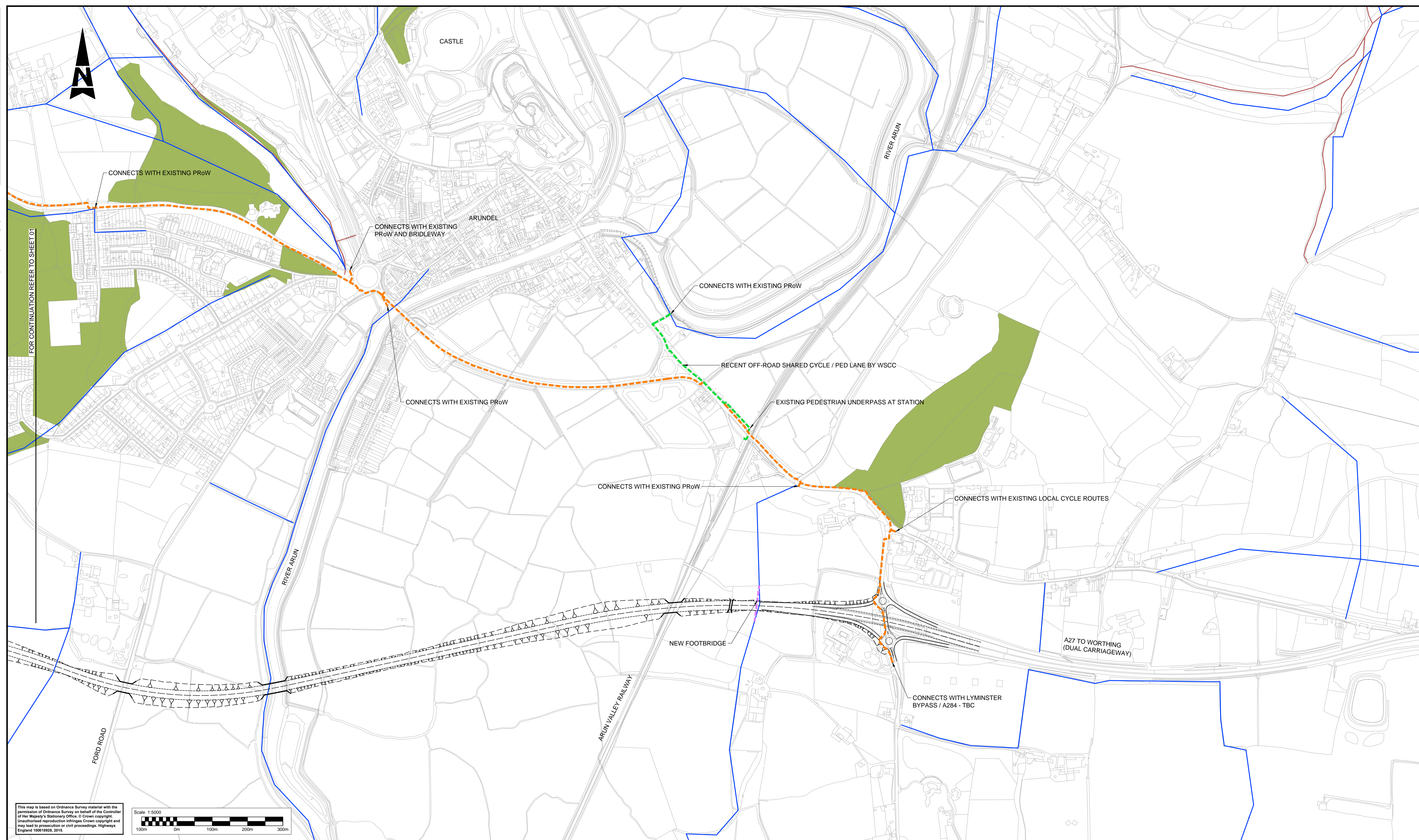
Copyright © WSP Group (2016)

Client: **Working on behalf of highways england**

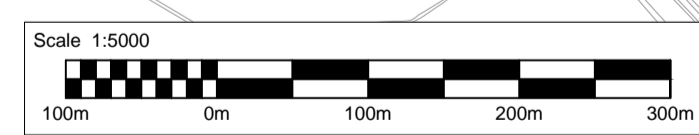
Project Title: REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS					
Drawing Title: INDICATIVE NMU PROPOSALS ALONG EXISTING A27 FOR OPTION 5A SHEET 1 OF 2					
Scale: 1:5000	Drawn: TC	Checked: KM	Approved: BS	Authorised:	
Original Size: A1	Date: 13/05/16	Date: 18/05/16	Date: 18/05/16	Date:	
Drawing Number: HE551523 - WSP - HGN - A27AR - DR - D - 0610	Project:	Volume:	Project Ref. No.: 3514447G	Revision:	P01
Location:	Type:	Role:	Number:		

DO NOT SCALE

Millimetres
0 10 100



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NOTES:
1. FOR SHEET 1 REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0610.

- KEY:
- SHARED SEGREGATED PEDESTRIAN AND CYCLE LANE
 - NEW BRIDLEWAY
 - RECENT OFF-ROAD SHARED PEDESTRIAN / CYCLE LANE PROVIDED BY WSCC
 - PROPOSED LANDBRIDGE
 - EXISTING PRoW
 - EXISTING BRIDLEWAYS
 - EXISTING CYCLE LANES

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction	
Maintenance / Cleaning	
Use	
Decommissioning / Demolition	

Rev.	Date	Description	By	Chkd	App'd
P01	18/05/16	First Issue			

FOR INFORMATION

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Project Title	REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS				
Drawing Title	INDICATIVE NMU PROPOSALS ALONG EXISTING A27 FOR OPTION 5A SHEET 2 OF 2				
Scale	1:5000	Drawn	TC	Checked	KM
Original Size	A1	Date	13/05/16	Date	18/05/16
Approved	BS	Date	18/05/16	Authorised	---
Project Ref. No.	HE55123 - WSP - HGN - A27AR - DR - D - 0611				3514447G
Revision	P01				

Appendix G

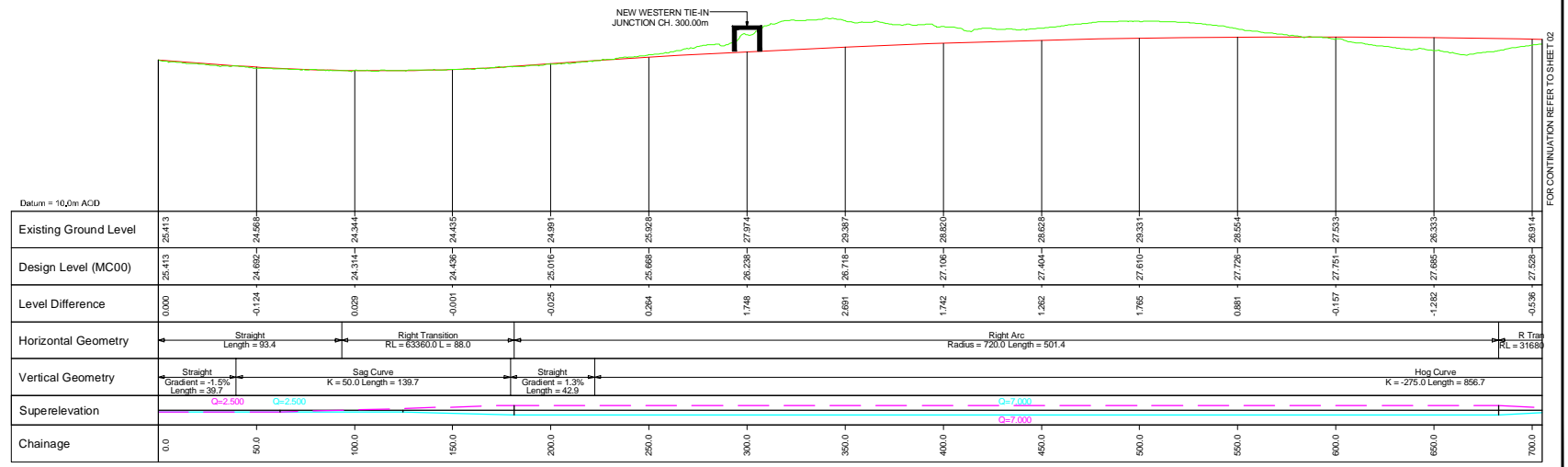
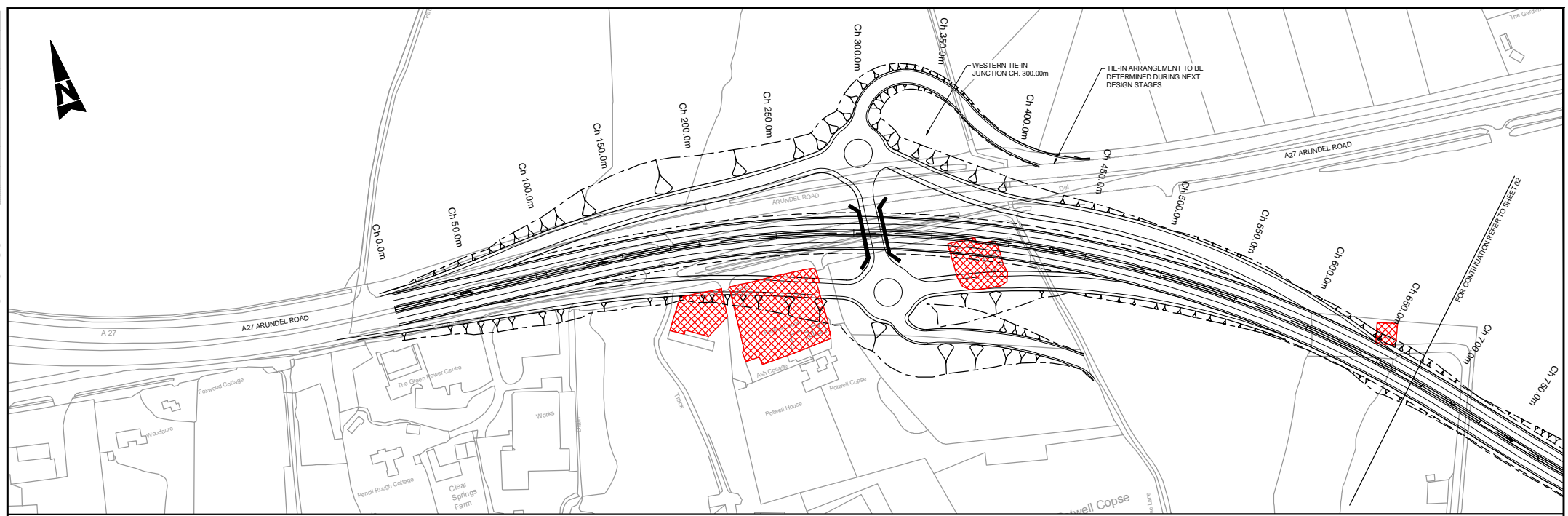
DRAWINGS OF OPTION 5B

APPENDIX G-1

OPTION 5B – GA PLANS

DO NOT SCALE

Millimetres
0 10 100



NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0700.

- KEY:
- DESIGN LEVEL
 - EXISTING LEVEL
 - RIGHT CHANNEL LINE
 - LEFT CHANNEL LINE
 - PROPERTIES AFFECTED BY NEW ROUTE

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction	Maintenance / Cleaning	Use	Decommissioning / Demolition

Rev	Date	Description	By	Chk'd	App'd
P01.1		First Issue			

Drawing Status: WORK IN PROGRESS

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Project Title: REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS

Drawing Title: INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 5B ALTERNATIVE SHEET 1 OF 9

Scale: 1:1250

Original Size: A1

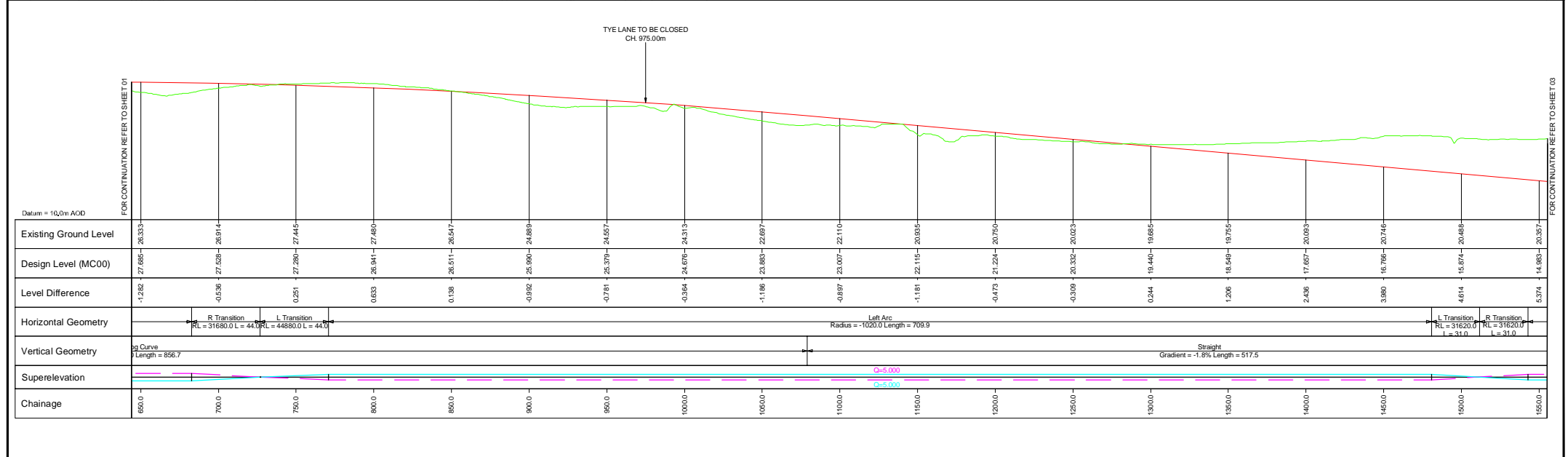
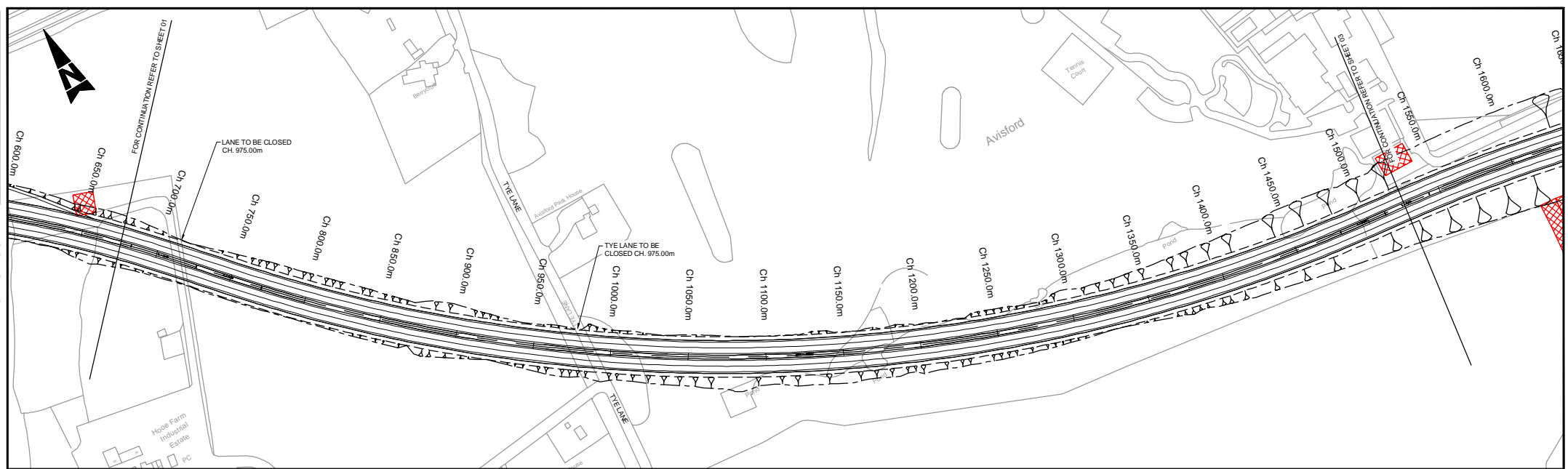
Drawing Number: HE551523 - WSP - HGN - A27AR - DR - D - 0701

Project Ref No: 70019688

Revision: P01.1

DO NOT SCALE

Millimetres
0 10 100



NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0700.

KEY:
— DESIGN LEVEL
— EXISTING LEVEL
— RIGHT CHANNEL LINE
— LEFT CHANNEL LINE
 PROPERTIES AFFECTED BY NEW ROUTE

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Scale 1:1250

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION				
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).				
Construction				
Maintenance / Cleaning				
Use				
Decommissioning / Demolition				
PO1	---	First Issue	---	---
Rev	Date	Description	By	Chg Appr

Drawing Status: **WORK IN PROGRESS** Submittal: **S0**

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 Fax: +44 (0)1483 528989
 www.wsp-eb.co.uk

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Project Title: **REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS**

Drawing Title: **INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 5B ALTERNATIVE SHEET 2 OF 9**

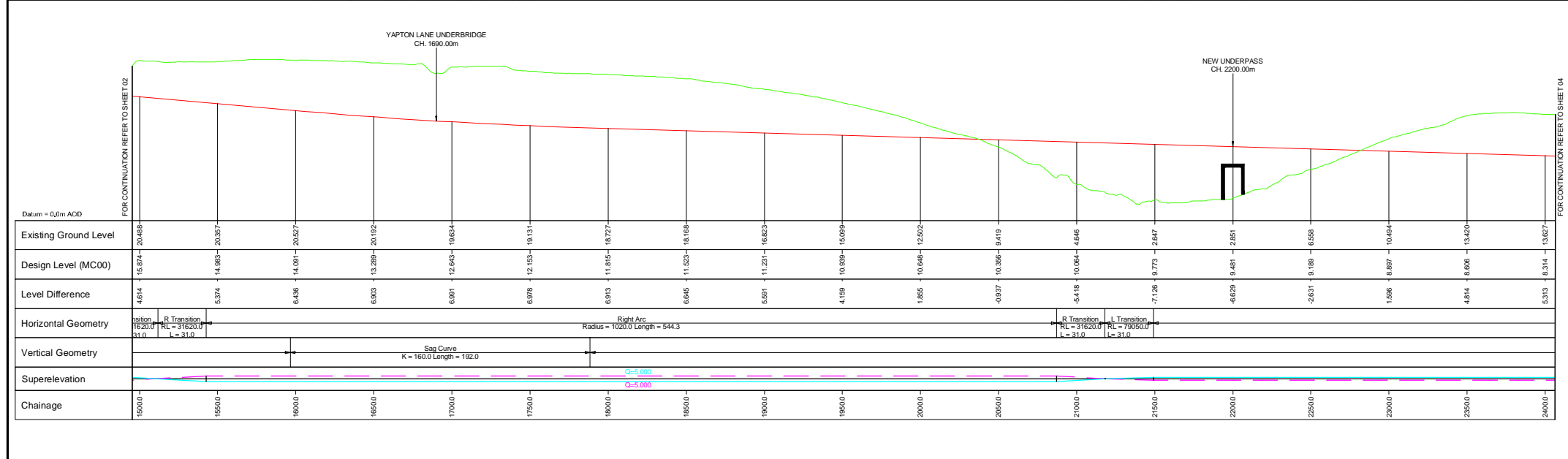
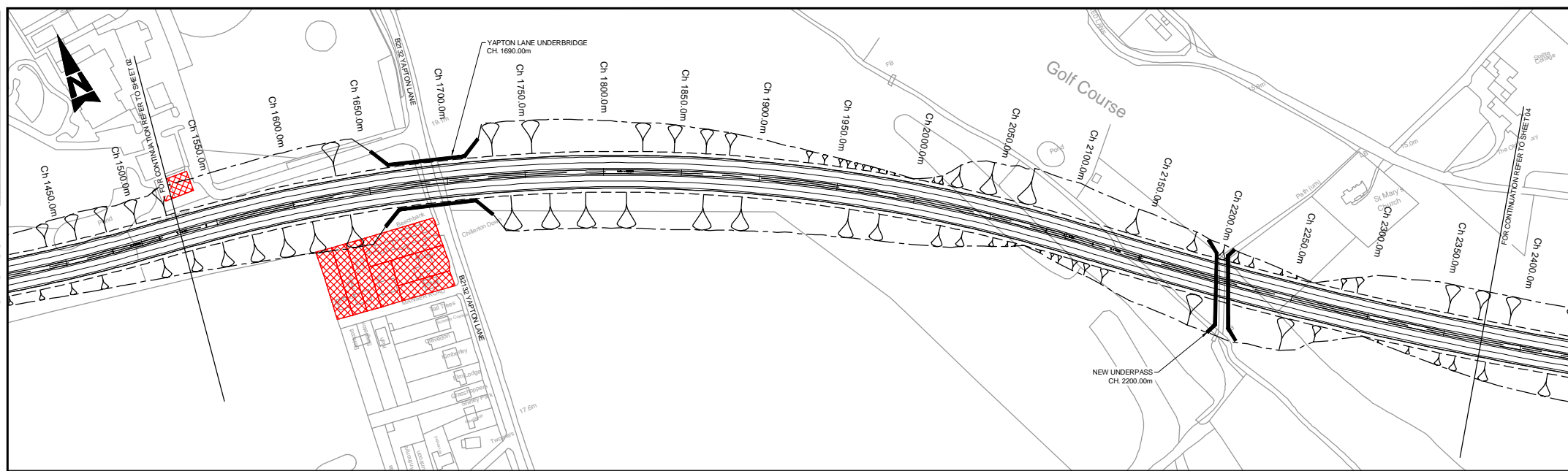
Scale: 1:1250 Drawn: --- Checked: --- Approved: --- Authorised: ---

Original Scale: A1 Date: --- Date: --- Date: --- Date: ---

Drawing Number: HE551523 - WSP - HGN - A27AR - DR - D - 0702 Project Ref No: 70019688

Project: HE551523 - WSP - HGN - A27AR - DR - D - 0702 Revision: --- Project Ref No: P01.1

DO NOT SCALE



NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0700.

KEY:
— DESIGN LEVEL
— EXISTING LEVEL
— RIGHT CHANNEL LINE
— LEFT CHANNEL LINE
▨ PROPERTIES AFFECTED BY NEW ROUTE

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Scale 1:1250

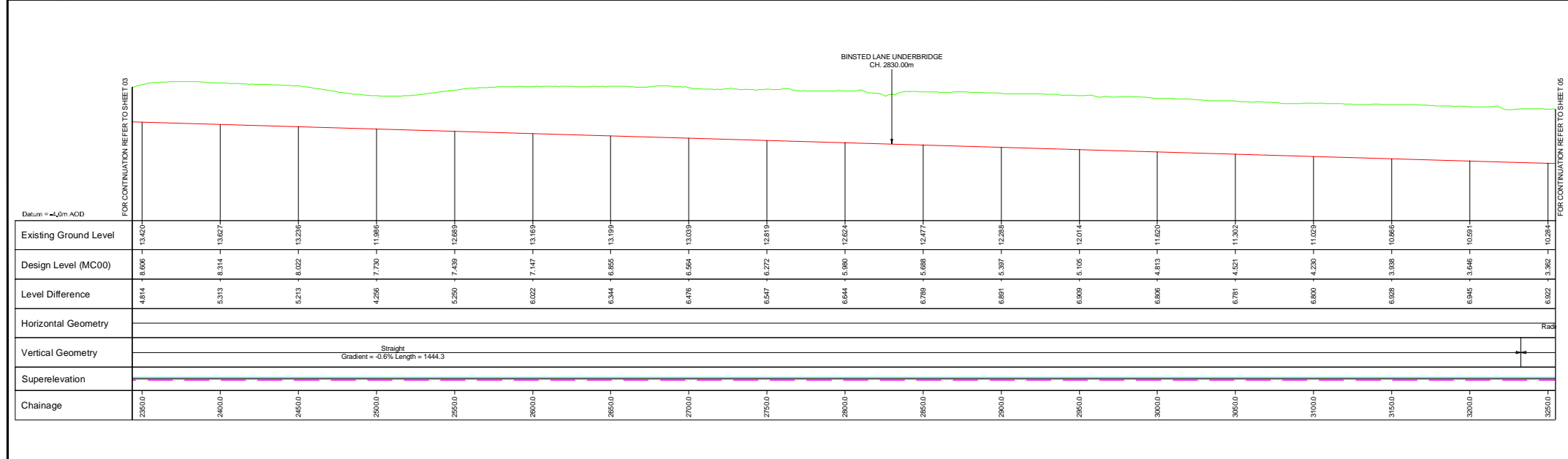
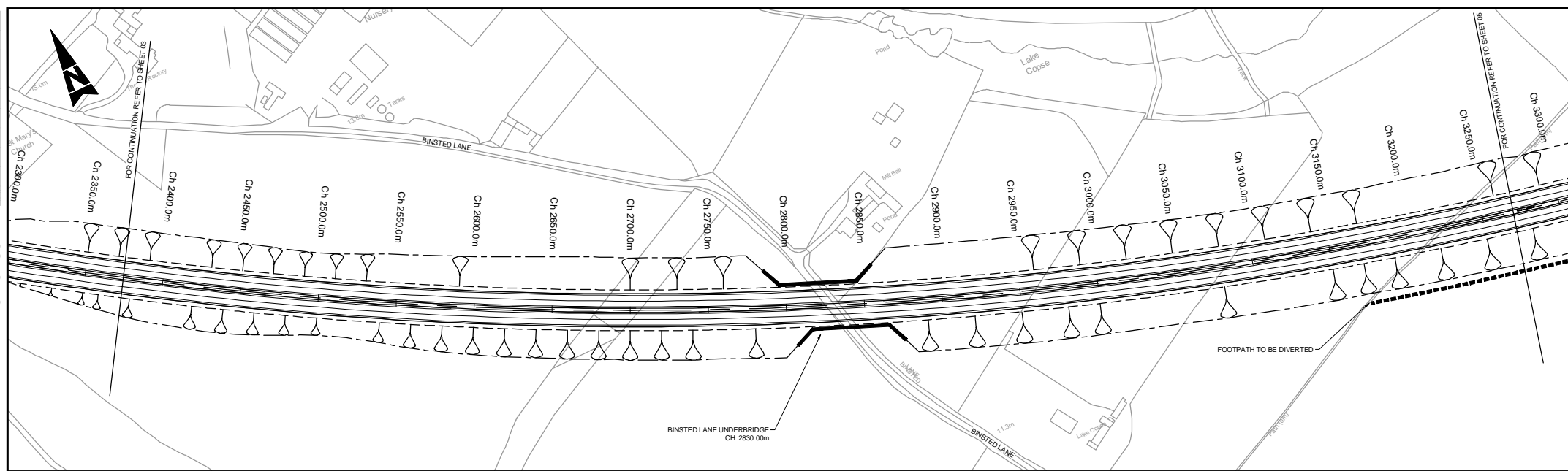
SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).			
Construction			
Maintenance / Cleaning			
Use			
Decommissioning / Demolition			
PO1	---	First Issue	---
Rev	Date	Description	By Ctd App

Drawing Status	WORK IN PROGRESS	Subsidiary	S0	Project Title	REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS
 Westbrook Mills Borough Road Godalming Surrey GU7 2AZ Tel: +44 (0)1483 528400 Fax: +44 (0)1483 528989 www.wsp-pb.co.uk		Drawing Title INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 5B ALTERNATIVE SHEET 3 OF 9			
Scale	1:1250	Drawn	---	Checked	---
Original Size	A1	Date	---	Date	---
Project Number	HE55123 - WSP - HGN - A27AR - DR - D - 0703	Originator	---	Volume	---
Project Ref No	70019688	Revision	---	Number	---
Location	---	Type	---	Date	---

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DO NOT SCALE

Millimetres
0 10 100



NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0700.

KEY:
— DESIGN LEVEL
— EXISTING LEVEL
— RIGHT CHANNEL LINE
— LEFT CHANNEL LINE
 PROPERTIES AFFECTED BY NEW ROUTE

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION
 In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).
 Construction
 Maintenance / Cleaning
 Use
 Decommissioning / Demolition

Scale 1:1250
 10m 0m 10m 30m 50m 70m 90m

Rev	Date	Description	By	Chg	App'd
P01.1		First Issue			

WORK IN PROGRESS

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 Surrey
 GU7 2AZ
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 Fax: +44 (0)1483 528989
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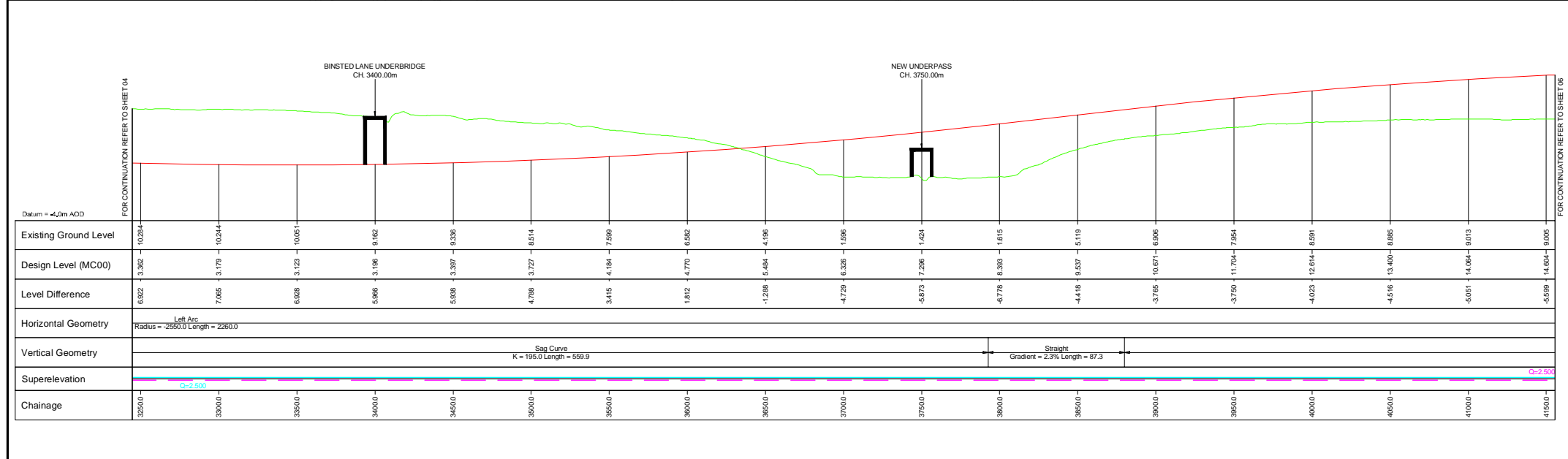
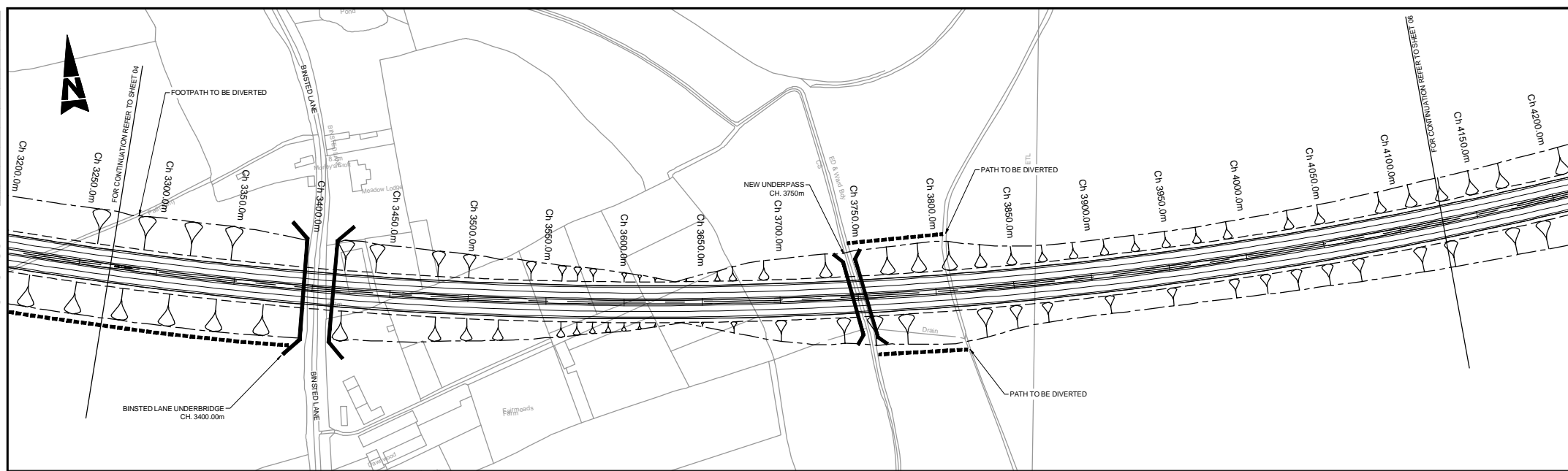
**REGIONAL INVESTMENT PROGRAMME
 A27 ARUNDEL BYPASS**

**INDICATIVE ALIGNMENT PROPOSALS
 LAYOUT OPTION 5B ALTERNATIVE
 SHEET 4 OF 9**

Scale: 1:1250
 Drawing Title: A1
 Project: HE55123 - WSP - HGN - A27AR - DR - D - 0704
 Project Ref No: 70019688
 Revision: P01.1

DO NOT SCALE

Millimetres
0 10 100



NOTES:
 1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0700.

KEY:
 - DESIGN LEVEL (Red line)
 - EXISTING LEVEL (Green line)
 - RIGHT CHANNEL LINE (Blue line)
 - LEFT CHANNEL LINE (Cyan line)
 - PROPERTIES AFFECTED BY NEW ROUTE (Red hatched area)

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Scale 1:1250
 10m 20m 30m 40m 50m 60m 70m 80m 90m

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION				
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).				
Construction				
Maintenance / Cleaning				
Use				
Decommissioning / Demolition				
PO1	---	First Issue	---	---
Rev	Date	Description	By	Chg / App'd

WORK IN PROGRESS

WSP
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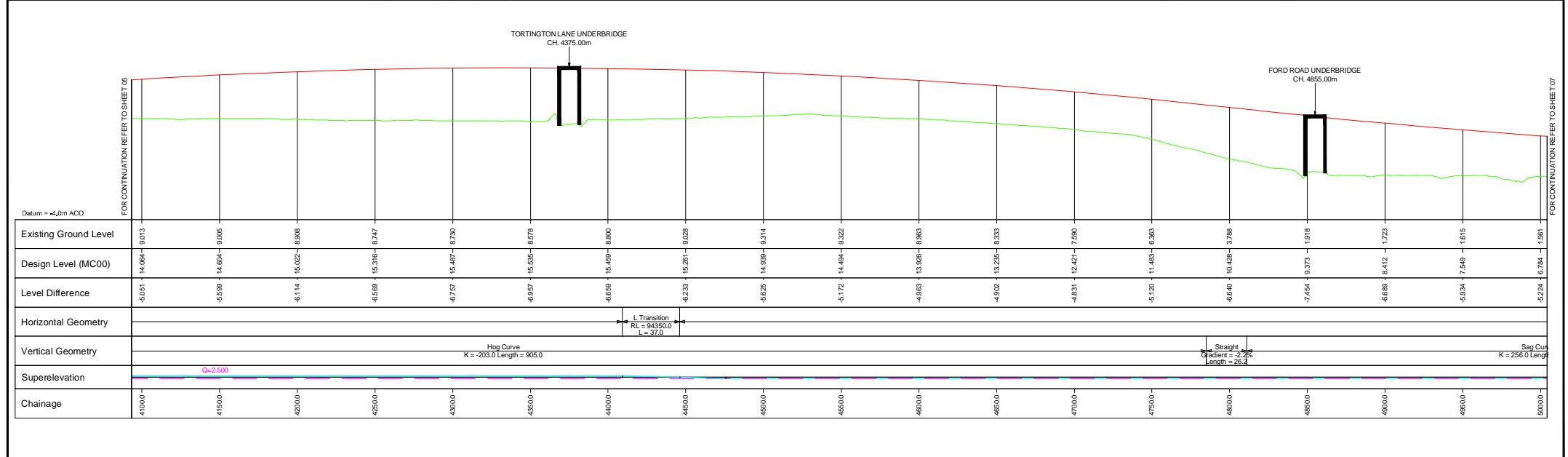
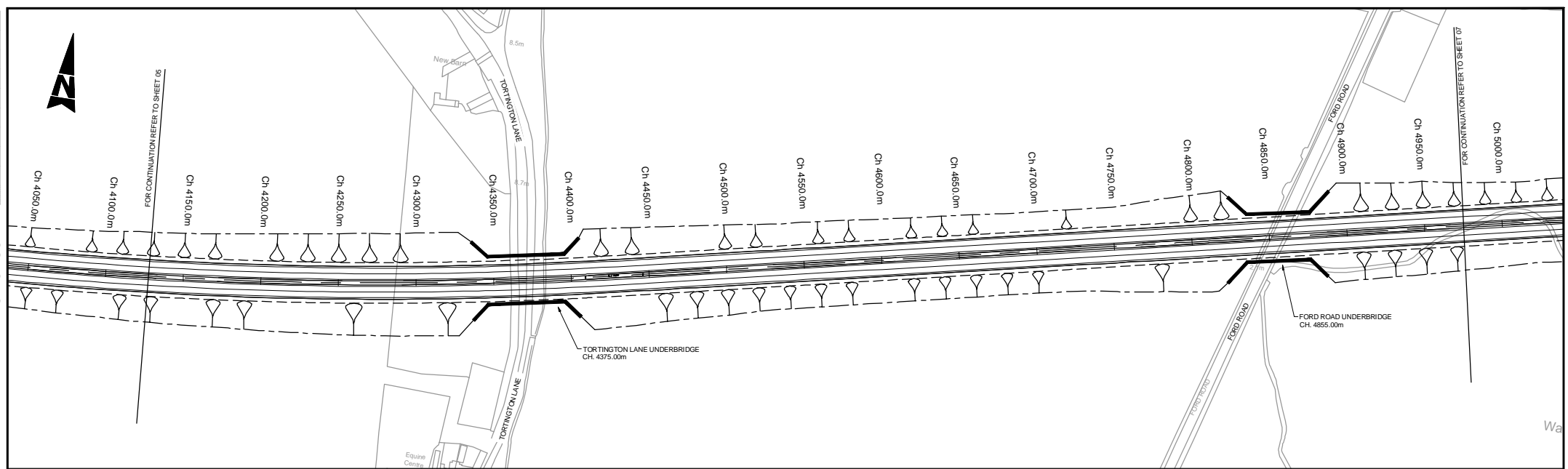
**REGIONAL INVESTMENT PROGRAMME
 A27 ARUNDEL BYPASS**

**INDICATIVE ALIGNMENT PROPOSALS
 LAYOUT OPTION 5B ALTERNATIVE
 SHEET 5 OF 9**

Scale: 1:1250
 Drawing No: A1
 Project: HE55123 - WSP - HGN - A27AR - DR - D - 0705
 Project Ref No: 70019688
 Revision: P01.1

DO NOT SCALE

Millimetres
100
0 10



NOTES:

1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0700.

KEY:

- DESIGN LEVEL
- EXISTING LEVEL
- RIGHT CHANNEL LINE
- LEFT CHANNEL LINE
- PROPERTIES AFFECTED BY NEW ROUTE

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction	Maintenance / Cleaning	Use	Decommissioning / Demolition

Project	HE55123 - WSP - HGN - A27AR - DR - D - 0706
Revision	
Date	
Description	
By	
Chk'd	
App'd	

Drawing Status	WORK IN PROGRESS	Subsity	S0
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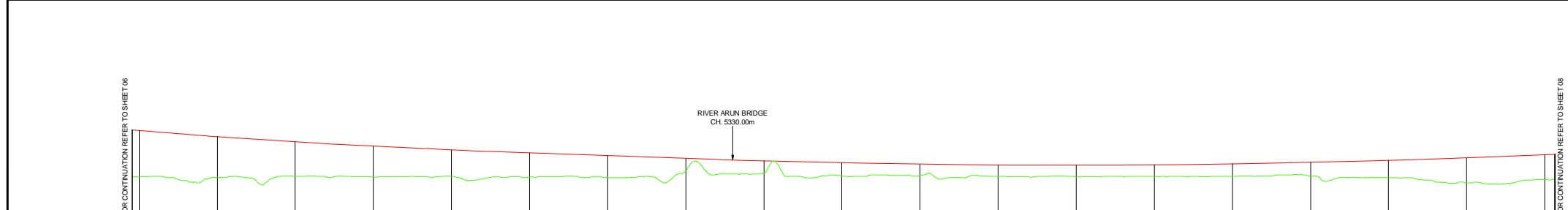
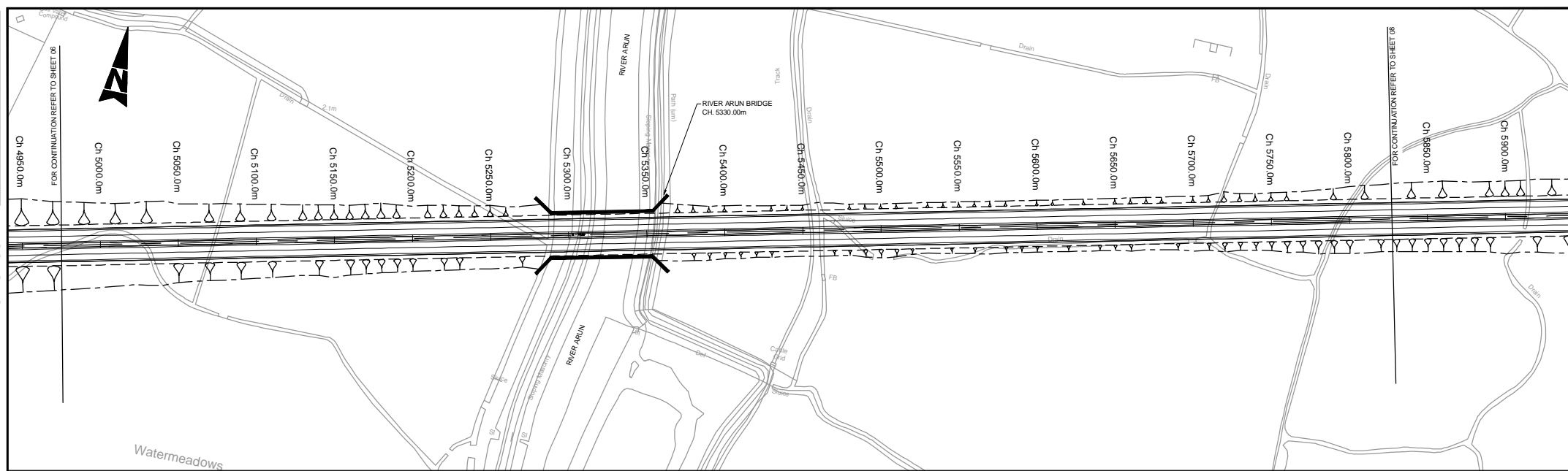
REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS

INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 5B ALTERNATIVE SHEET 6 OF 9

Scale	1:1250	Drawn		Checked		Approved		Authorised	
Original Scale	A1	Date		Date		Date		Date	
Drawing Number	HE55123 - WSP - HGN - A27AR - DR - D - 0706	Project		Originator		Volume		Project Ref. No.	70019688
Location		Type		Date		Number		Revision	P01.1

DO NOT SCALE

Millimetres
0 10 100



Chainage	4950.0	5000.0	5050.0	5100.0	5150.0	5200.0	5250.0	5300.0	5330.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0	5900.0	
Existing Ground Level	1.615	1.561	1.713	1.699	1.718	1.600	1.592	2.261	2.102	1.741	1.798	1.685	1.633	1.666	1.711	1.763	1.698	1.642	1.592	1.562	1.592	
Design Level (MC00)	7.549	6.794	6.117	5.547	5.074	4.696	4.340	3.985	3.670	3.427	3.255	3.155	3.126	3.169	3.263	3.468	3.725	4.053	4.453	4.853	5.253	
Level Difference	-5.934	-5.224	-4.404	-3.897	-3.356	-3.095	-2.798	-1.623	-1.568	-1.686	-1.467	-1.470	-1.493	-1.501	-1.572	-1.695	-2.217	-3.211	-3.191	-3.191	-3.191	
Horizontal Geometry	Straight Length = 1721.6																					
Vertical Geometry	Sag Curve K = 256.0 Length = 373.6						Straight Gradient = 0.7% Length = 111.6						Sag Curve K = 350.0 Length = 804.3									
Superelevation	[Superelevation Profile]																					

NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0700.

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KEY:
— DESIGN LEVEL
— EXISTING LEVEL
— RIGHT CHANNEL LINE
— LEFT CHANNEL LINE
 PROPERTIES AFFECTED BY NEW ROUTE

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).	
Construction	
Maintenance / Cleaning	
Use	
Decommissioning / Demolition	

Rev	Date	Description	By	Chk'd	App'd
P01.1		First Issue			

Drawing Status: **WORK IN PROGRESS** Subst: **S0**

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Project Title: **REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS**

Drawing Title: **INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 5B ALTERNATIVE SHEET 7 OF 9**

Scale: 1:1250 Drawn: Checked: Approved: Authorised:

Original Size: A1 Date: Date: Date: Date:

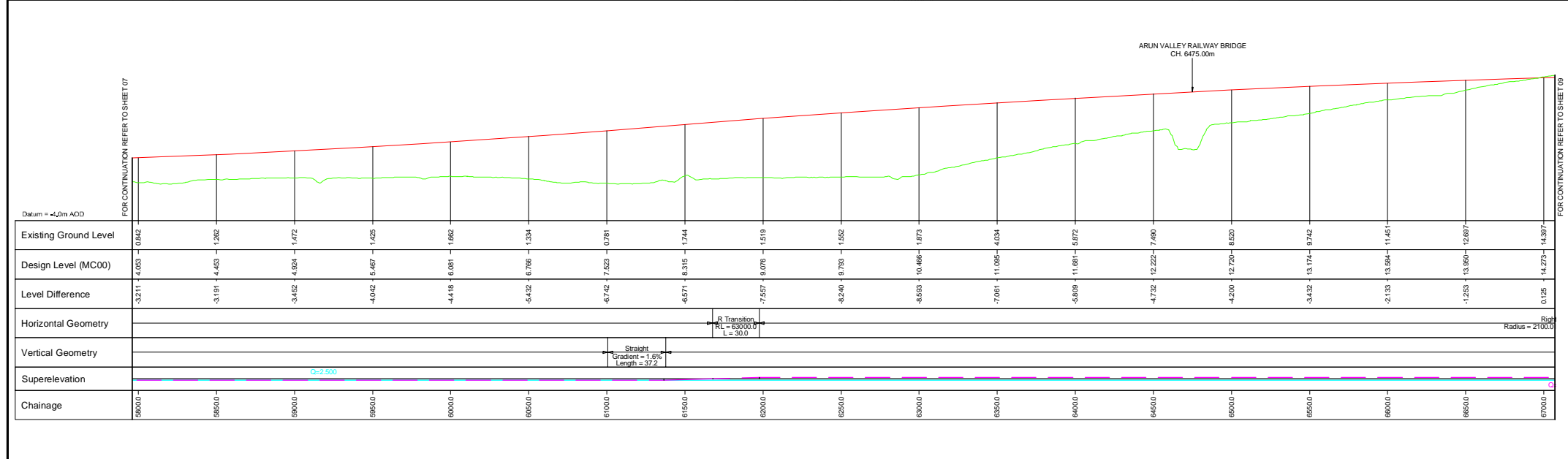
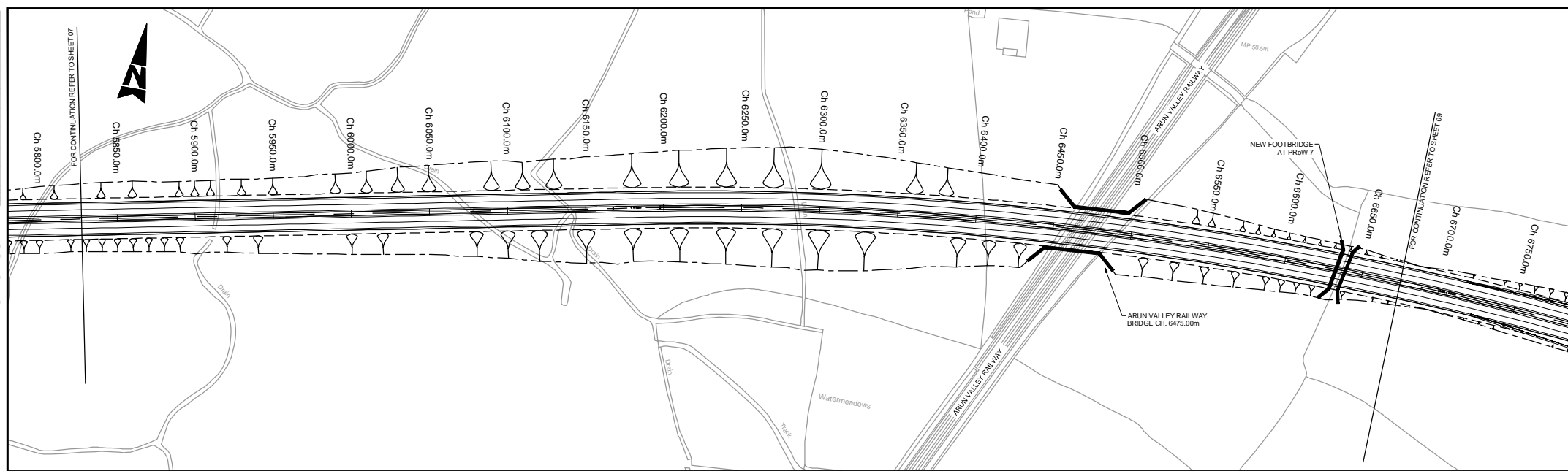
Drawing Number: HE551523 - WSP - HGN - A27AR - DR - D - 0707

Project Ref No: 70019688

Revision: P01.1

DO NOT SCALE

Millimetres
0 10 100



NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0700.

KEY:
— DESIGN LEVEL
— EXISTING LEVEL
— RIGHT CHANNEL LINE
— LEFT CHANNEL LINE
 PROPERTIES AFFECTED BY NEW ROUTE

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION				
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).				
Construction				
Maintenance / Cleaning				
Use				
Decommissioning / Demolition				
PO1	---	First issue	---	---
Rev	Date	Description	By	Chk'd App'd

Drawing Status: **WORK IN PROGRESS** Submittal: **S0**

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Project Title: **REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS**

Drawing Title: **INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 5B ALTERNATIVE SHEET 8 OF 9**

Scale: 1:1250 Drawn: --- Checked: --- Approved: --- Authorised: ---

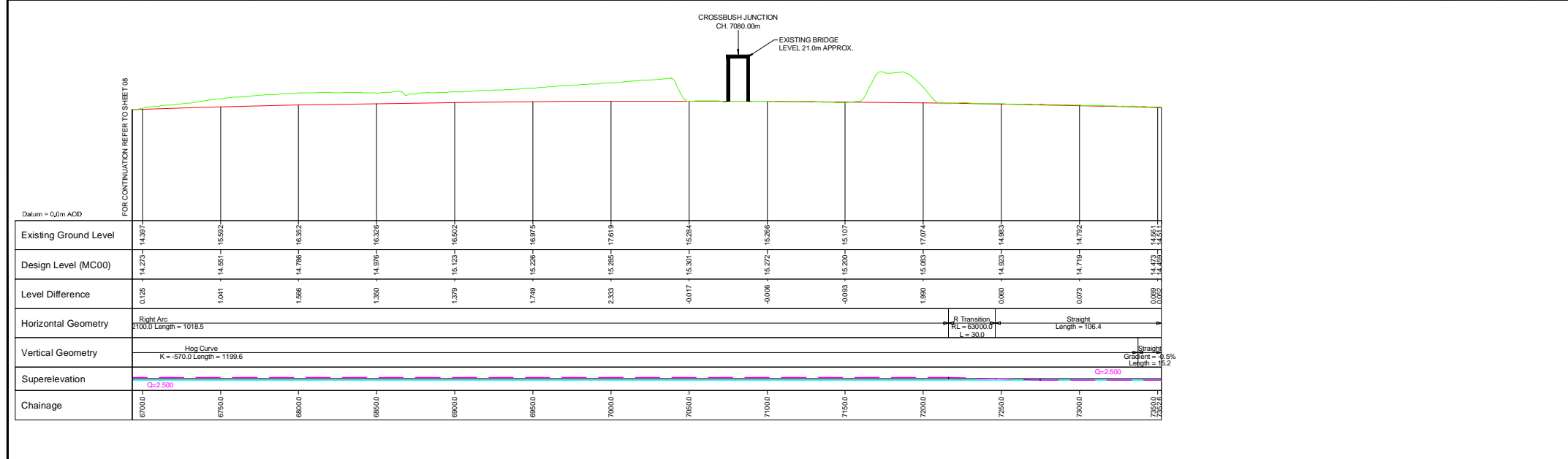
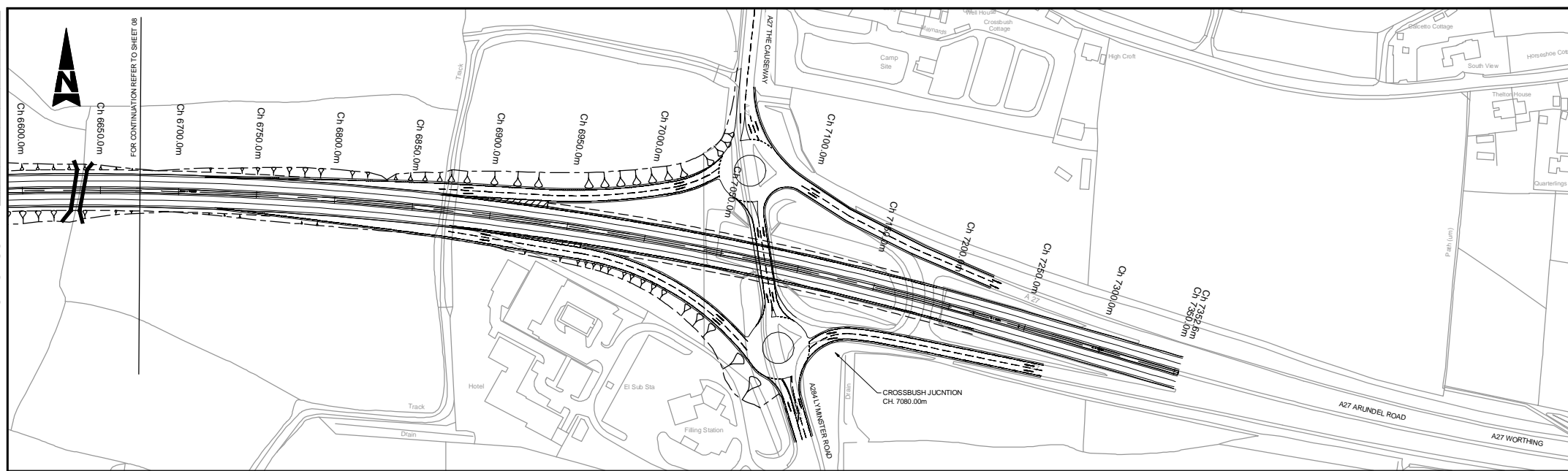
Original Scale: A1 Date: --- Date: --- Date: --- Date: ---

Drawing Number: HE551523 - WSP - HGN - A27AR - DR - D - 0708 Project Ref No: 70019688

Location: --- Type: --- Date: --- Number: --- Revision: --- P01.1

DO NOT SCALE

Millimetres
0 10 100



NOTES:

1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0700.

KEY:

- DESIGN LEVEL
- EXISTING LEVEL
- RIGHT CHANNEL LINE
- LEFT CHANNEL LINE
- PROPERTIES AFFECTED BY NEW ROUTE

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction	Maintenance / Cleaning	Use	Decommissioning / Demolition

Rev	Date	First Issue	Description	By	Chg	App'd
P01.1						

Drawing Status	WORK IN PROGRESS	Subsidiary	S0	Project Title	REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS
		Westbrook Mills Borough Road Godalming Surrey GU7 2AZ Tel: +44 (0)1483 528400 Fax: +44 (0)1483 528989 www.wsp-eb.co.uk		Drawing Title INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 5B ALTERNATIVE SHEET 9 OF 9	
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		Original Size A1		Drawing Number HE55123 - WSP - HGN - A27AR - DR - D - 0709	
Project Ref. No. 70019688		Project Location Type Date Number		Project Ref. No. P01.1	