

Appendix D

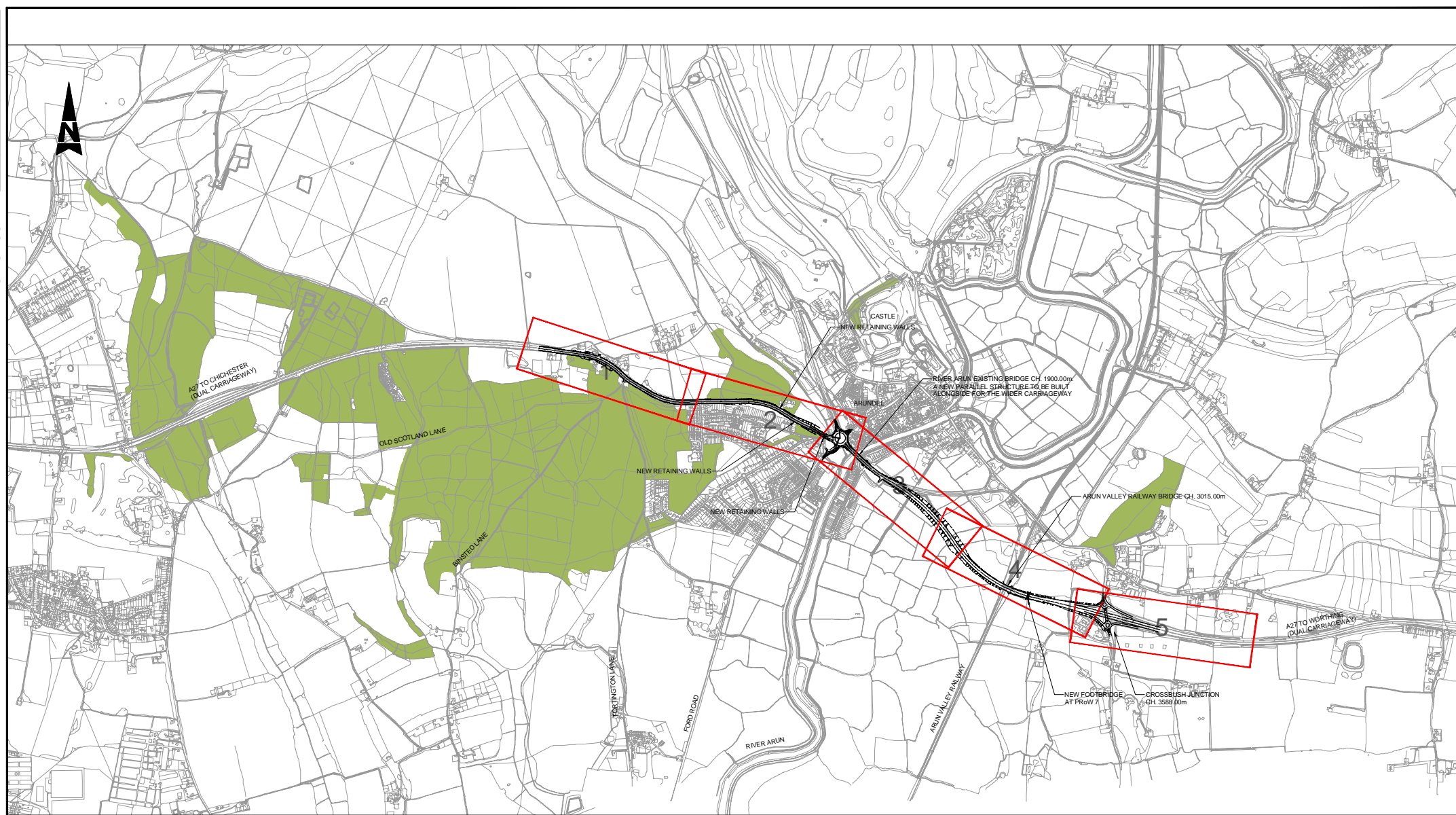
DRAWINGS OF OPTION 1

APPENDIX D-1

OPTION 1 – GA PLANS

DO NOT SCALE

100
0 10
Millimetres



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NOTES:
1. FOR LAYOUTS REFER TO DRG. NOS. HE55123-WSP-HGN-A27AR-DR-D-0071 TO 0075.

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 |

FOR INFORMATION

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Westbrook Mills
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www.wsp-eb.co.uk

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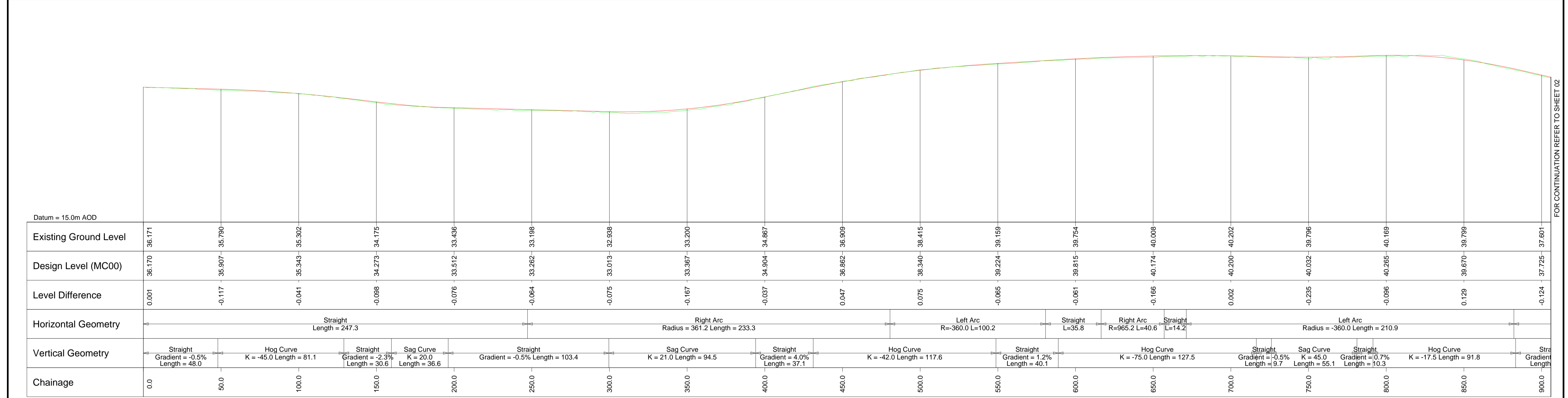
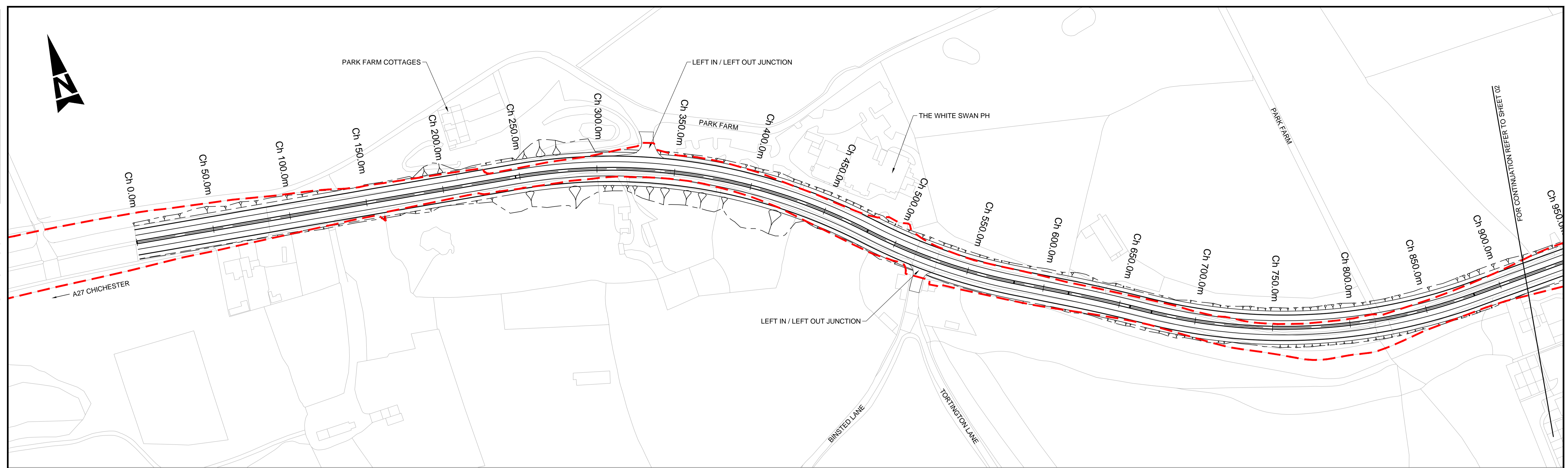
Working on behalf of
highways england

| Project Title | | Drawing Title | |
|---|--|--|----------|
| REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS | | INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 1 OVERVIEW PLAN | |
| Scale | 1:10000 | Drawn | TC |
| Checked | KM | Approved | BS |
| Original Date | 13/05/16 | Date | 17/05/16 |
| Drawing Number | A1 | Project Ref. No. | 3514447G |
| Project | HE55123 - WSP - HGN - A27AR - DR - D - 0500 | Revision | P01 |

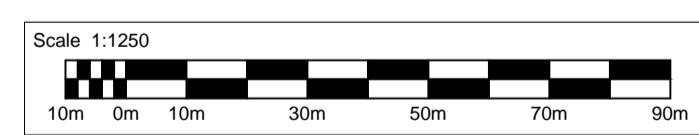
DO NOT SCALE

Millimetres

0 10



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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
 EXISTING A27 HIGHWAY BOUNDARY

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 |
|--------------|------------------------|-----|------------------------------|
| | | | |
| | | | |
| | | | |

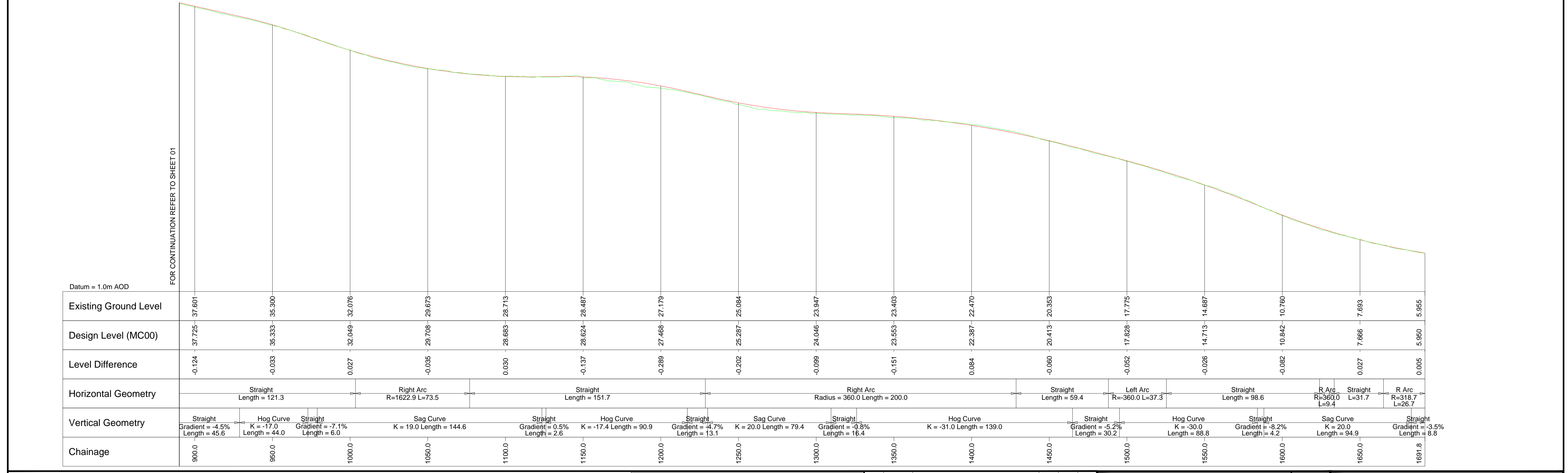
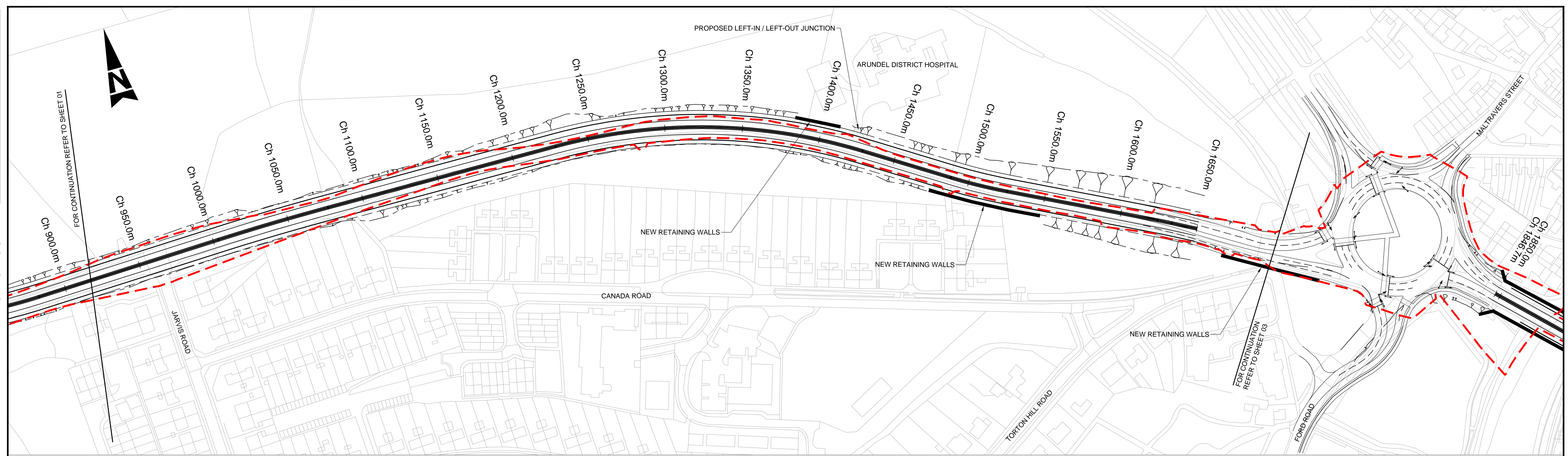
| Rev. | Date | Description | By | Chkd | App'd |
|------|----------|-------------|----|------|-------|
| P01 | 18/05/16 | First Issue | TC | KM | BS |

Drawing Status: FOR INFORMATION
 Suitability: S2
 Client: Working on behalf of **highways england**
 WSP
 PARSONS BRINCKERHOFF
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Project Title: REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS
 Drawing Title: INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 1 SHEET 1 OF 5
 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: HE55123 - WSP - HGN - A27AR - DR - D - 0501
 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:
 DESIGN LEVEL
 EXISTING LEVEL
 EXISTING A27 HIGHWAY BOUNDARY

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
 S2
 Westbrook Mills
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 GU7 2AZ
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 Fax: +44 (0)1483 528989
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Working on behalf of

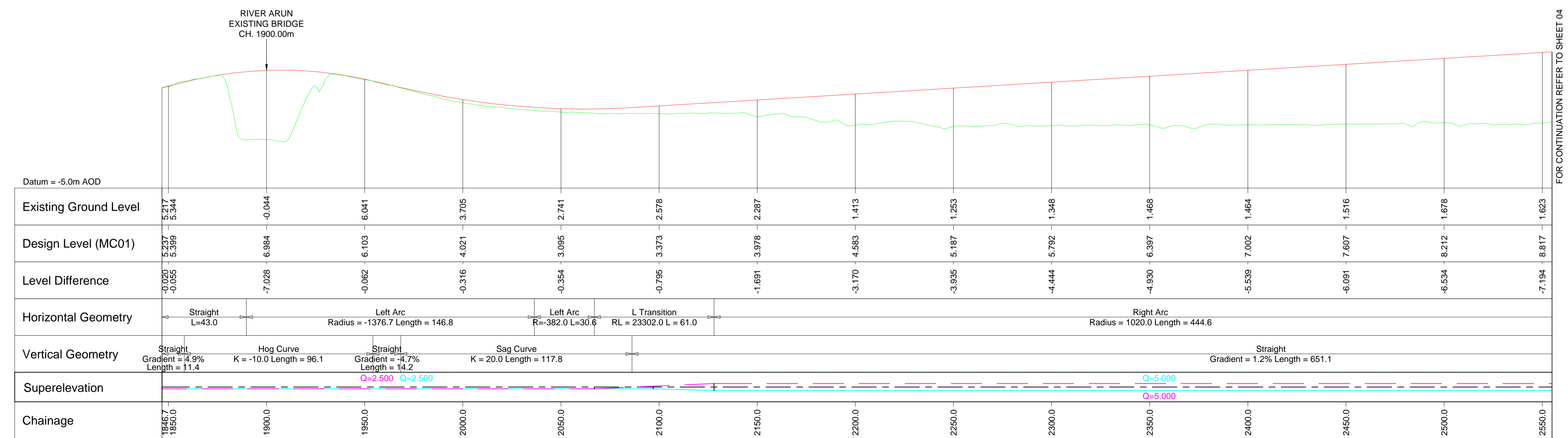
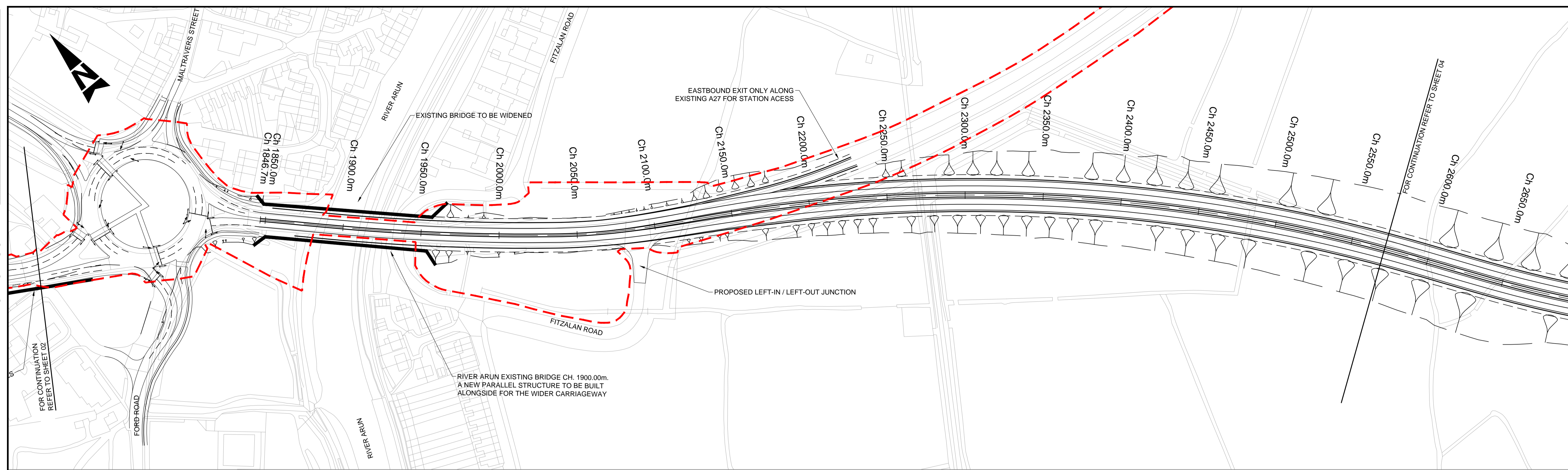
REGIONAL INVESTMENT PROGRAMME
 A27 ARUNDEL BYPASS

INDICATIVE ALIGNMENT PROPOSALS
 LAYOUT OPTION 1
 SHEET 2 OF 5

| | | | | | | | | | |
|----------------|--|-------|----------|--|----------|----------|----------|------------|-----|
| 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 - HGN - A27AR - DR - D - 0502 | | Project | HE551523 - WSP - HGN - A27AR - DR - D - 0502 | | Volume | 3514447G | | |
| Location | Type | Role | Number | P01 | | Revision | | | |

DO NOT SCALE

Millimetres
0 10 100



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

KEY:

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

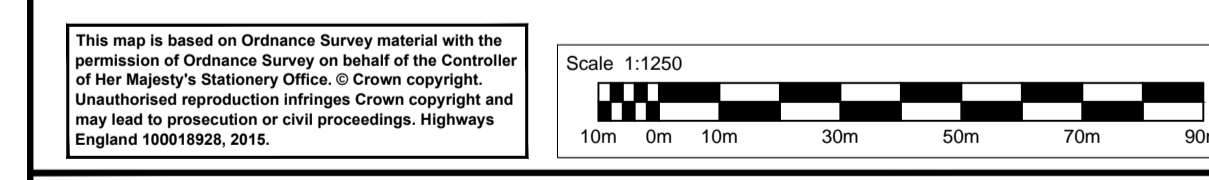
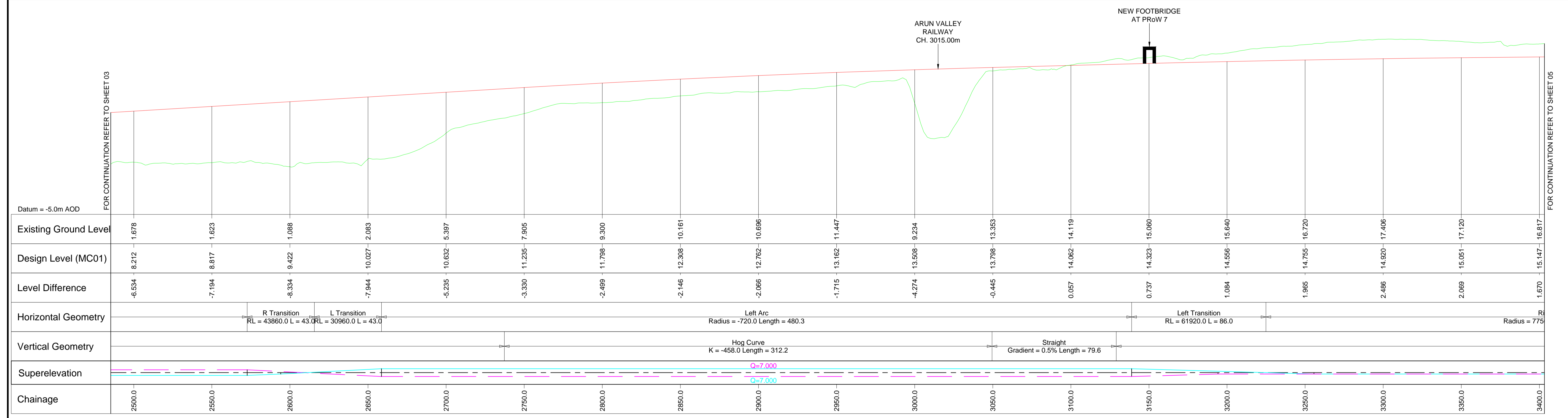
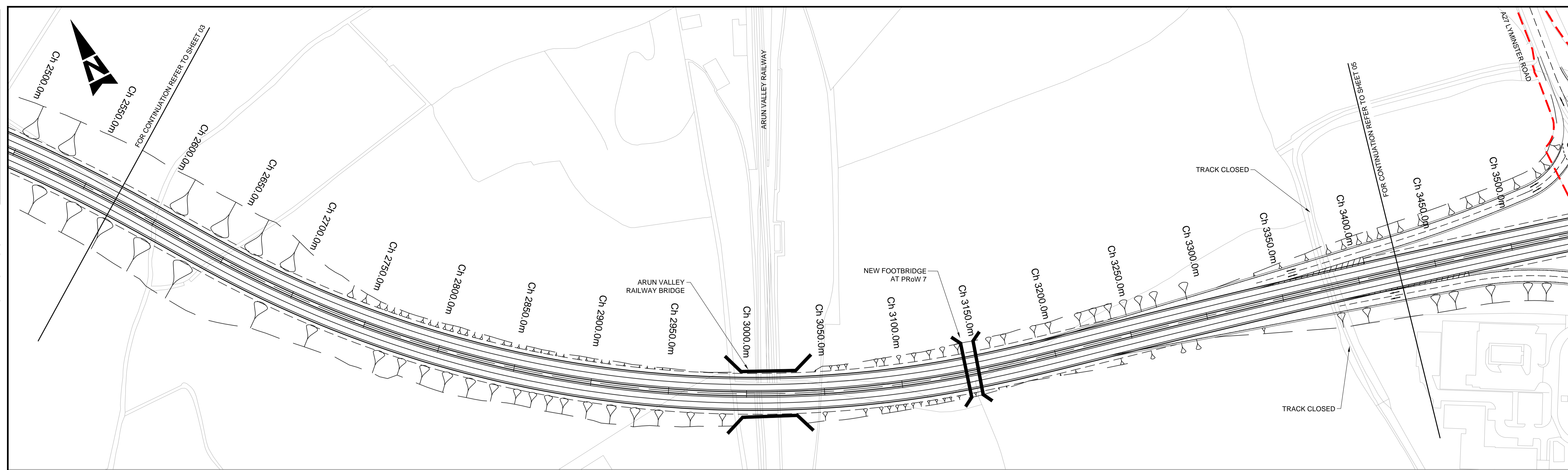
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

| Activity | Residual Risks |
|------------------------------|----------------|
| Construction | |
| Maintenance / Cleaning | |
| Use | |
| Decommissioning / Demolition | |

| | | | | | | |
|---|--|---|---|----------|----------|------------|
| Drawing Status | | Suitability | 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 | | Scale | Drawn | Checked | Approved | Authorised |
| Working on behalf of | | 1:1250 | TC | KM | BS | --- |
| Project | | Original Size | Date | Date | Date | Date |
| HE551523 - WSP - HGN - A27AR - DR - D - 0503 | | A1 | 13/05/16 | 18/05/16 | 18/05/16 | --- |
| Location | | Drawing Number | Project Ref. No. | | Revision | |
| Type Role Number | | HE551523 - WSP - HGN - A27AR - DR - D - 0503 | 3514447G | | 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

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
PARSONS BRINCKERHOFF

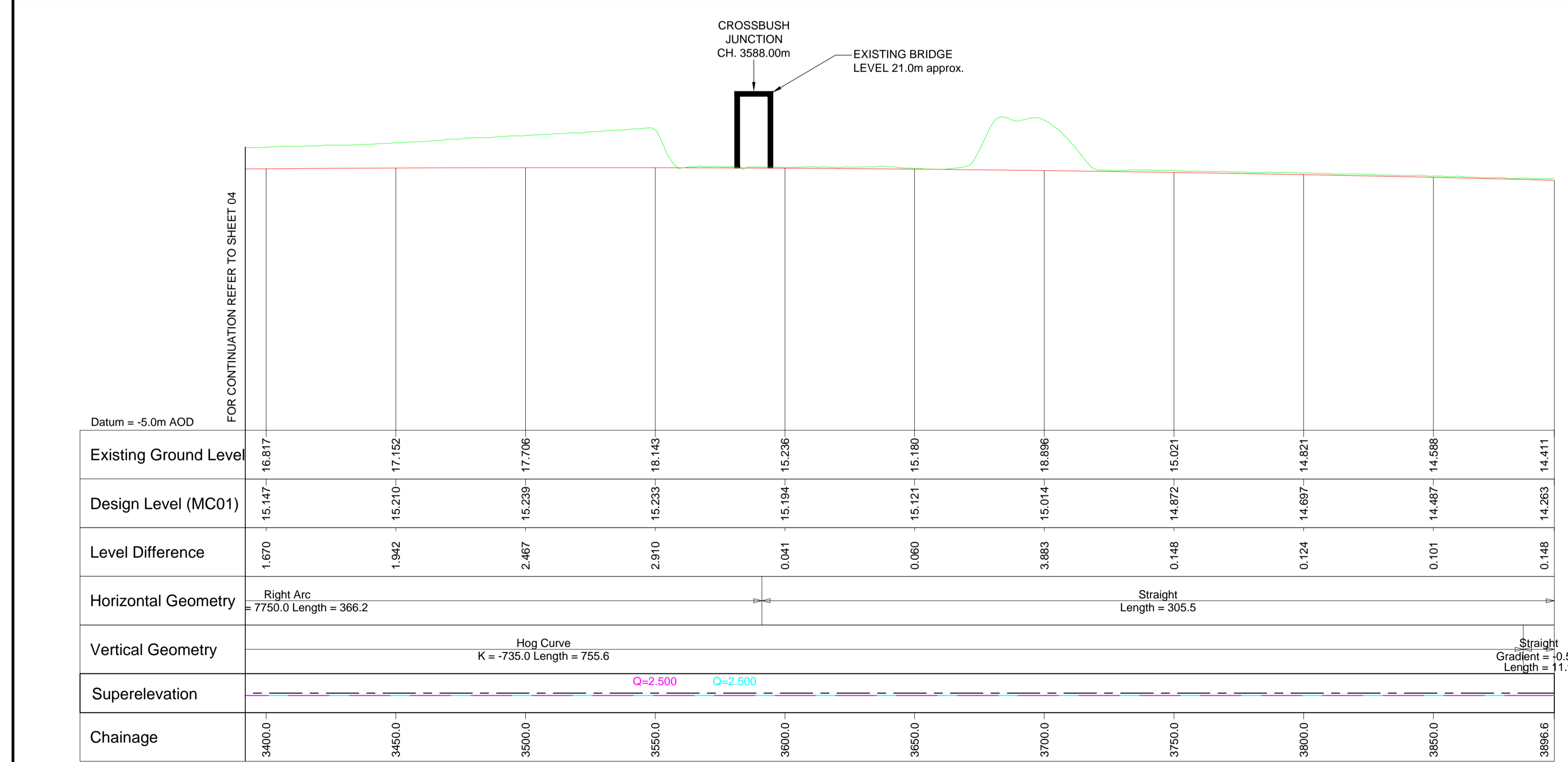
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GU7 2AZ
Tel: +44 (0)1483 528400
Fax: +44 (0)1483 528989
www.wsp-pb.co.uk

Working on behalf of
highways england

| Project Title | Scale | Drawn | Checked | Approved | Authorised |
|---|---------------------|------------------|------------------------------|------------------|-------------|
| REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS | 1:1250 | TC | KM | BS | --- |
| INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 1 SHEET 4 OF 5 | Original Size A1 | Date 13/05/16 | Date 18/05/16 | Date 18/05/16 | Date --- |
| Project Number HE551523 - WSP - HGN - A27AR - DR - D - 0504 | Originator | 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:
 ——— DESIGN LEVEL
 ——— EXISTING LEVEL
 ——— RIGHT CHANNEL LINE
 ——— LEFT CHANNEL LINE
 - - - EXISTING A27 HIGHWAY BOUNDARY

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 | 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 1 SHEET 5 OF 5 | | |
| Client | 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 --- | |
| Drawing Number HE551523 - WSP - HGN - A27AR - DR - D - 0505 | Project HE551523 - WSP - HGN - A27AR - DR - D - 0505 | Originator --- | Volume --- | Project Ref. No. 3514447G | Revision P01 | |
| Location | Type | Role | Number | | | |

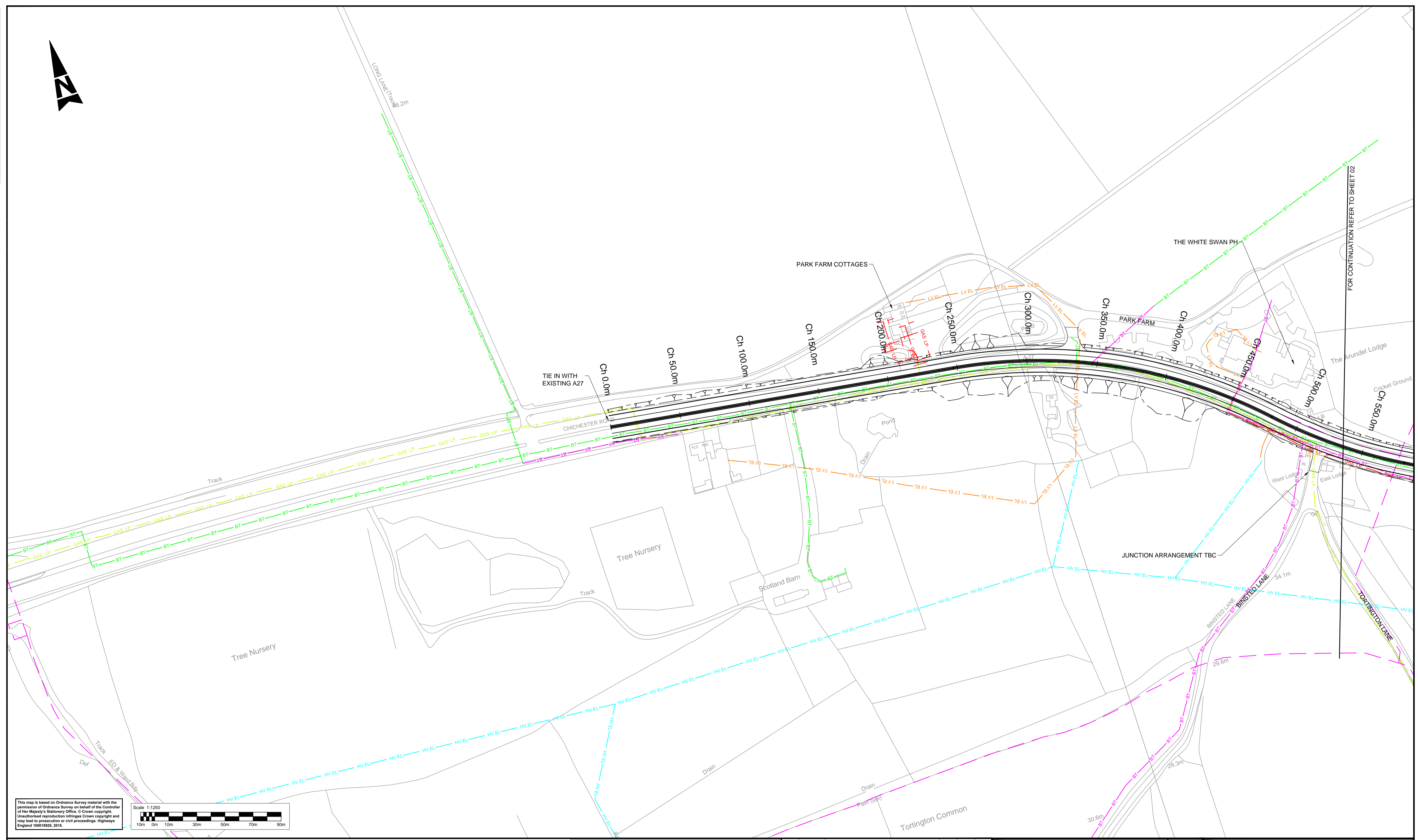
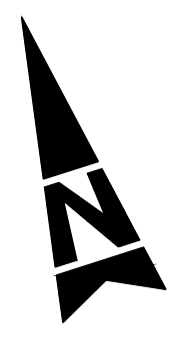
APPENDIX D-2

OPTION 1 - STATS

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-VUT-A27AR-DR-Z-0500.

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).

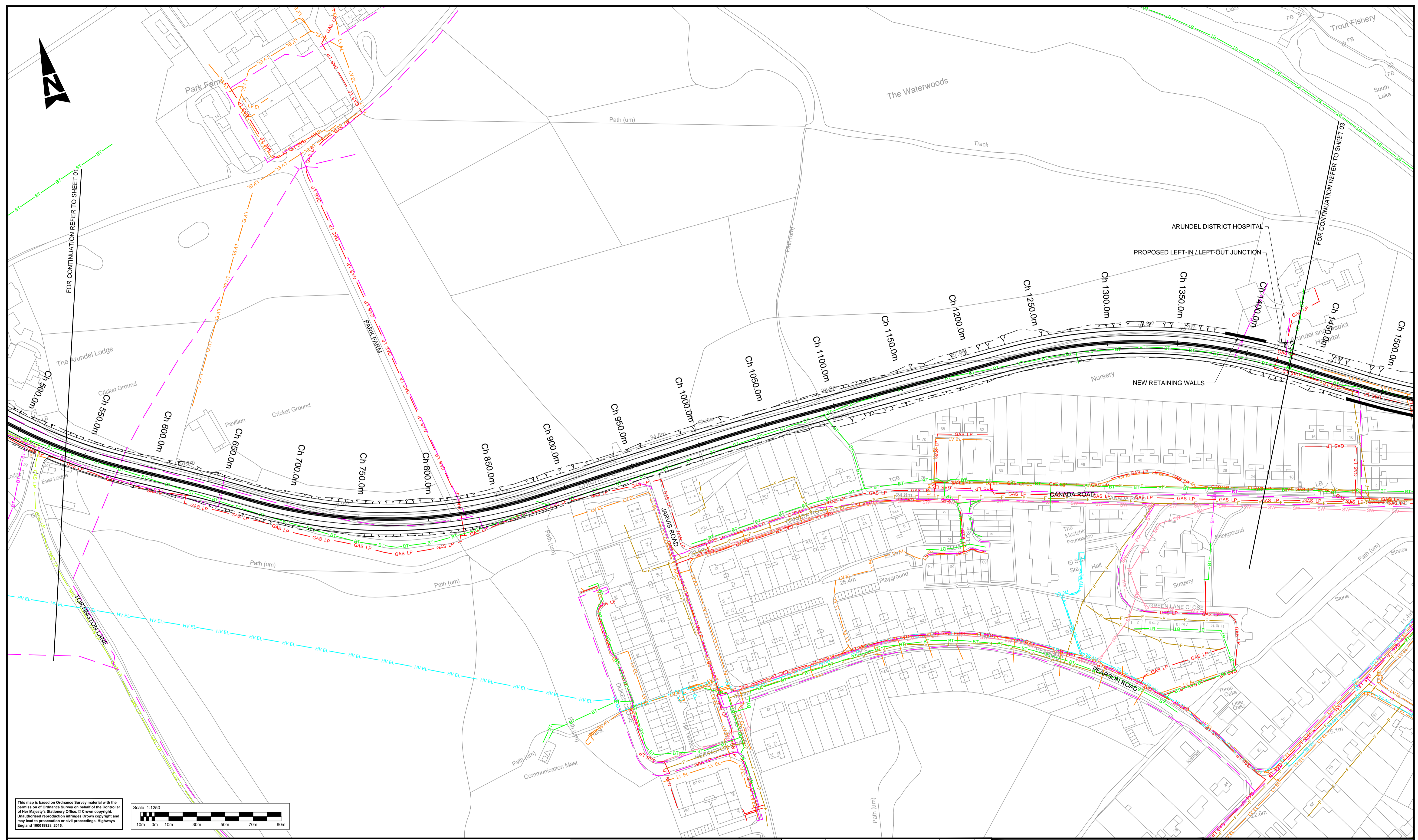
| | | | | | |
|------------------------------|----------|-------------|----|------|-------|
| Construction | | | | | |
| Maintenance / Cleaning | | | | | |
| Use | | | | | |
| Decommissioning / Demolition | | | | | |
| Rev. | Date | Description | By | Chkd | App'd |
| P01 | 18/05/16 | First Issue | |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

| | | | | | | | |
|------------------|--|---|--|--|--|------------|--|
| 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 | | Drawing Title COMBINED UTILITIES OPTION 1 SHEET 1 OF 5 | | | |
| Client | | Working on behalf of | | Scale | | Drawn | |
| | | | | 1:1250 | | TC | |
| Project | | HE551523 - WSP - VUT - A27AR - DR - Z - 0501 | | Date | | Checked | |
| Location | | A1 | | 13/05/16 | | KM | |
| Project Ref. No. | | 3514447G | | Date | | Approved | |
| Revision | | P01 | | 18/05/16 | | BS | |
| Authorised | | | | Date | | Authorised | |

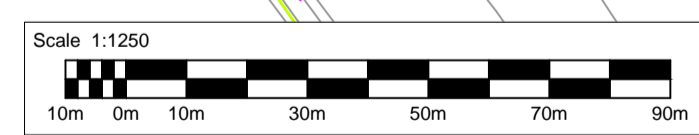
DO NOT SCALE

Millimetres

0 10 100



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

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 | SSE HV | SSE HV |
| LV EL | SSE LV | 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).

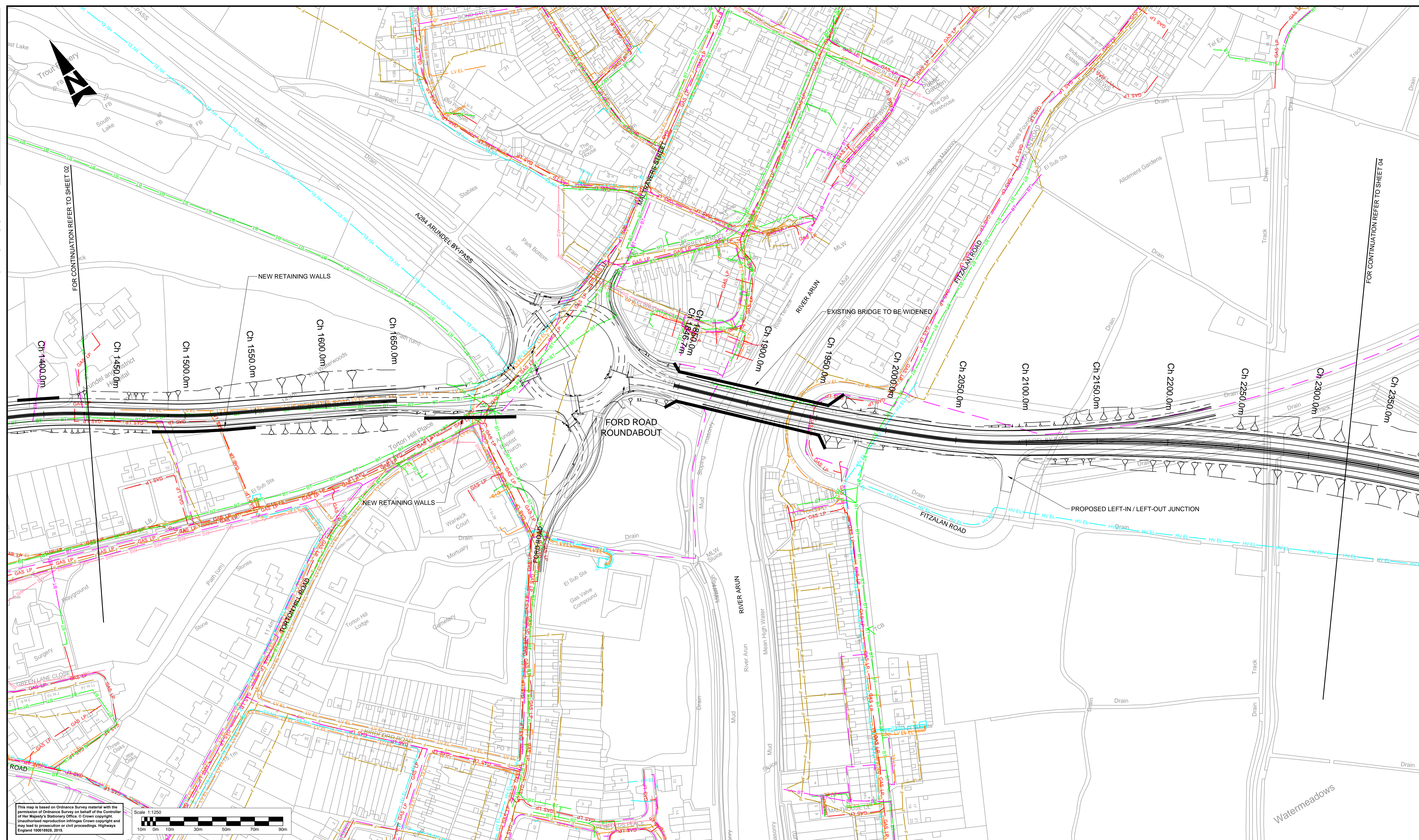
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|------------------------------|--|--|--|--|--|
| Construction | | | | | |
| Maintenance / Cleaning | | | | | |
| Use | | | | | |
| Decommissioning / Demolition | | | | | |

| | | | | | |
|------|----------|-------------|----|------|-------|
| PO1 | 18/05/16 | First Issue | TC | KM | BS |
| Rev. | Date | Description | By | Chkd | App'd |

| | | | | | |
|--|--|---|---|----------|------------------|
| 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 | | Scale | Drawn | Checked | Approved |
| Working on behalf of | | 1:1250 | TC | KM | BS |
| | | Original Size | Date | Date | Date |
| | | A1 | 13/05/16 | 18/05/16 | 18/05/16 |
| Project | | Drawing Number | Originator | Volume | Project Ref. No. |
| HE551523 - WSP - VUT - A27AR - DR - Z - 0502 | | | | | 3514447G |
| Location | | Type | Role | Number | Revision |
| | | | | | P01 |

DO NOT SCALE

0 10 100
Millimetres



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Scale 1:1250

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

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 | | | |

Drawing Status: FOR INFORMATION

Subsidiary: S2

Project Title: REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS

Drawing Title: COMBINED UTILITIES OPTION 1 SHEET 3 OF 5

Scale: 1:1250

Client: Working on behalf of highways england

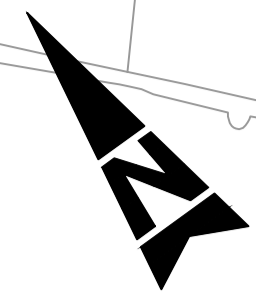
| | | | | |
|----------------|--|------------|----------|------------------|
| Original Size | Date | Checked | Approved | Authorised |
| A1 | 13/05/16 | KM | BS | --- |
| Drawing Number | Project | Originator | Volume | Project Ref. No. |
| | HE551523 - WSP - VUT - A27AR - DR - Z - 0503 | | | 3514447G |
| Location | Type | Role | Number | Revision |
| | | | | P01 |

DO NOT SCALE

Millimetres

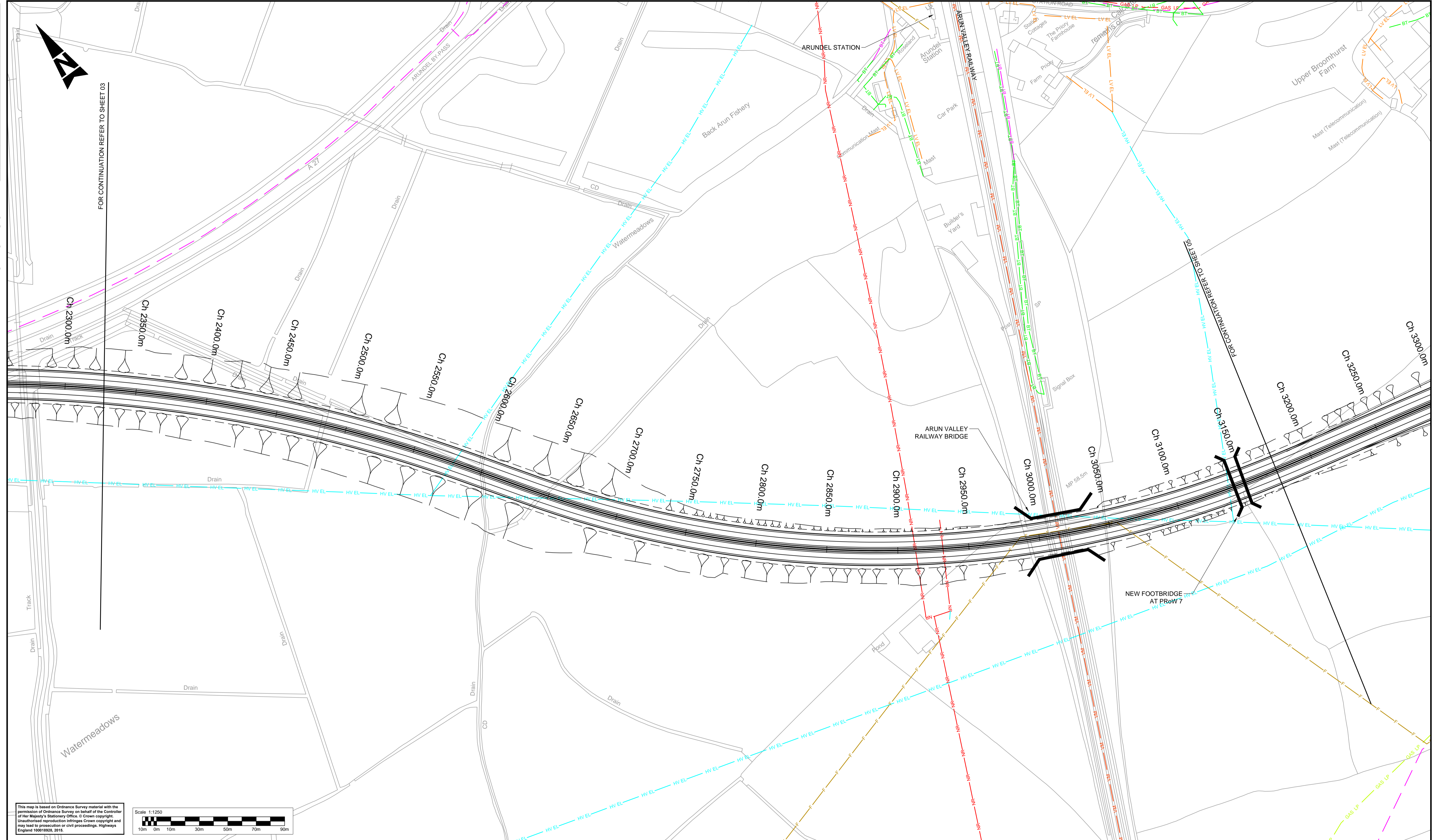
0 10

100

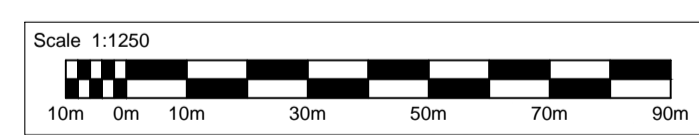


FOR CONTINUATION REFER TO SHEET 03

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-0500.

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 | TC | KM | BS |

Drawing Status: **FOR INFORMATION**

Suitability: **S2**

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

Drawing Title: **COMBINED UTILITIES OPTION 1 SHEET 4 OF 5**

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 - 0504

Project Ref. No.: 3514447G

Revision: P01

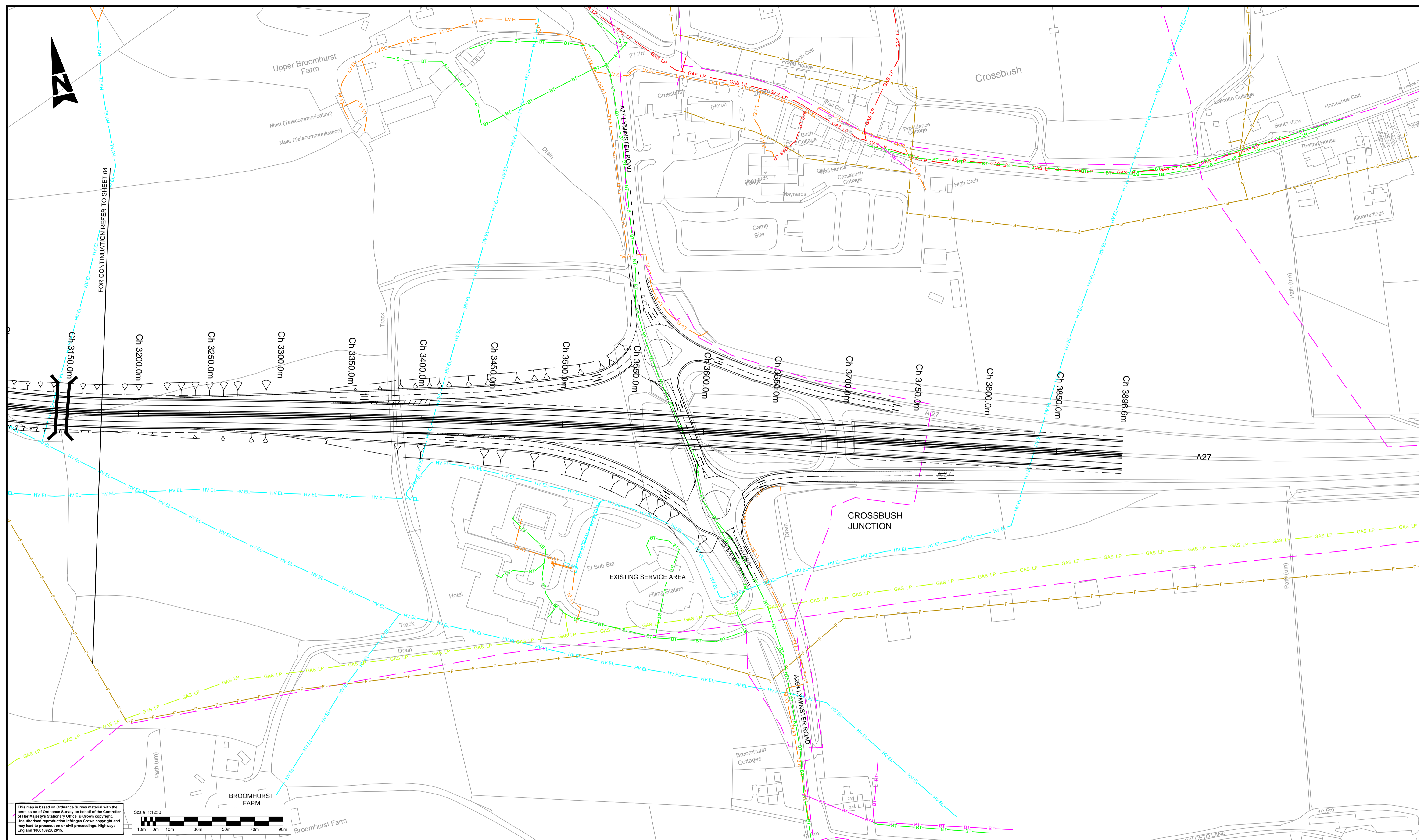
Client: **Working on behalf of highways england**

DO NOT SCALE

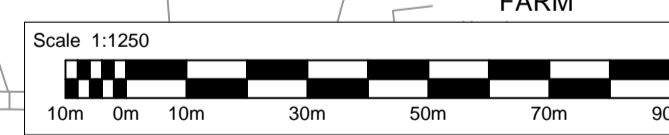
Millimetres

0 10

100



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

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 | | | |

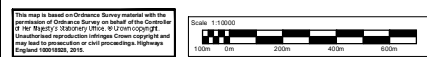
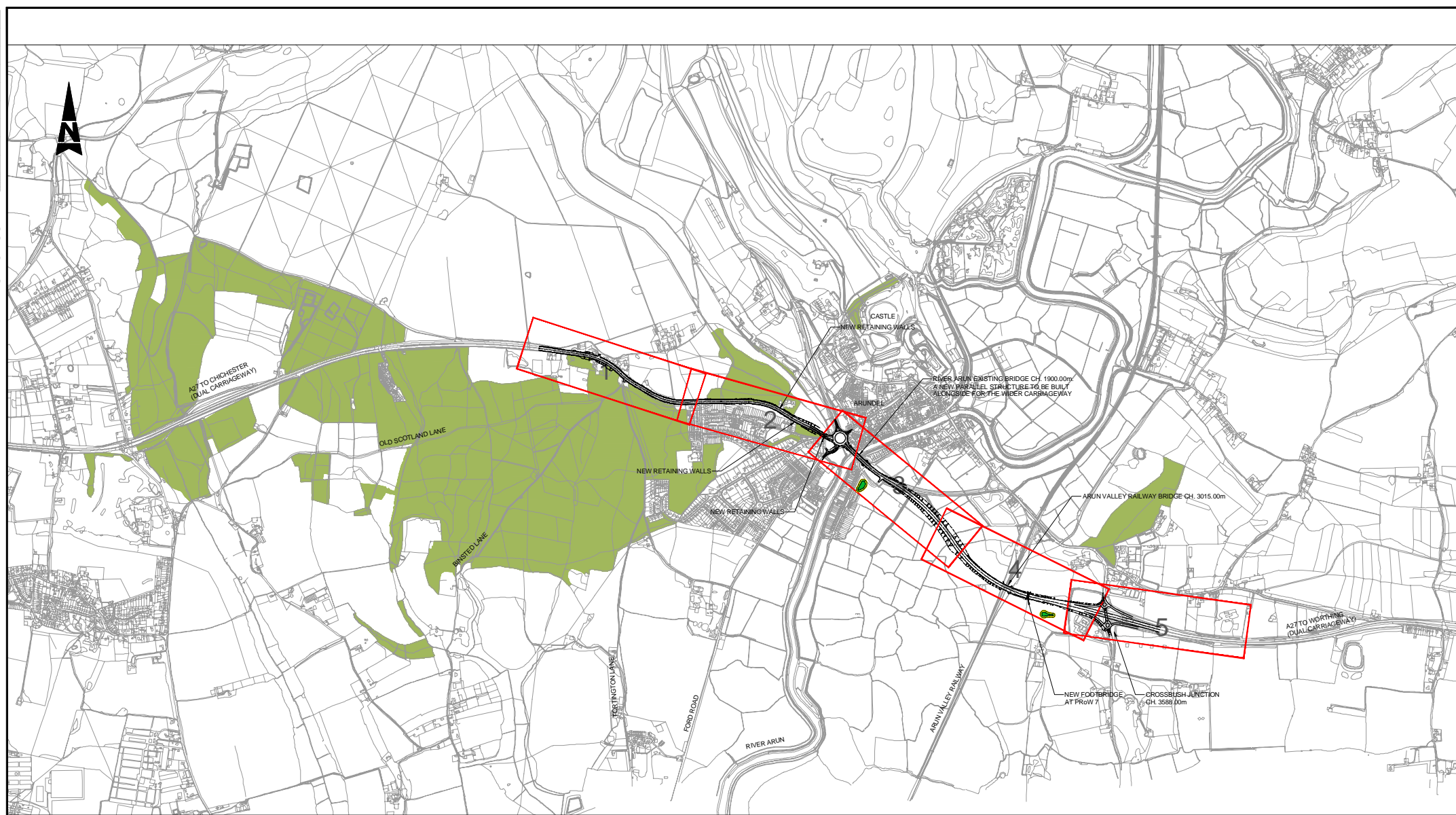
| | | | | | | |
|--------------------------------------|--|---|---|--|------------------|------------|
| Drawing Status | | Substability | Project Title | | | |
| FOR INFORMATION | | S2 | REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS | | | |
| Copyright © WSP Group (2016) | | Westbrook Mills Borough Road Godalming Surrey GU7 2AZ Tel: +44 (0)1483 528400 Fax: +44 (0)1483 528989 www.wsp-pb.co.uk | | Drawing Title COMBINED UTILITIES OPTION 1 SHEET 5 OF 5 | | |
| Client | Working on behalf of | Scale | Drawn | Checked | Approved | Authorised |
| | | 1:1250 | TC | KM | BS | --- |
| Project | HE551523 - WSP - VUT - A27AR - DR - Z - 0505 | Original Size | Date | Date | Date | Date |
| | | A1 | 13/05/16 | 18/05/16 | 18/05/16 | --- |
| Project Ref. No. | 3514447G | Drawing Number | Originator | Volume | Project Ref. No. | |
| | | | | | 3514447G | |
| Location | | Type | Role | Number | Revision | |
| | | | | | P01 | |

APPENDIX D-3

OPTION 1 - DRAINAGE

DO NOT SCALE

100
0 10
Millimetres



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NOTES:
1. FOR LAYOUTS REFER TO DRG. NOS. HE55123-WSP-HDG-A27AR-DR-D-0501 TO 0505.

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**

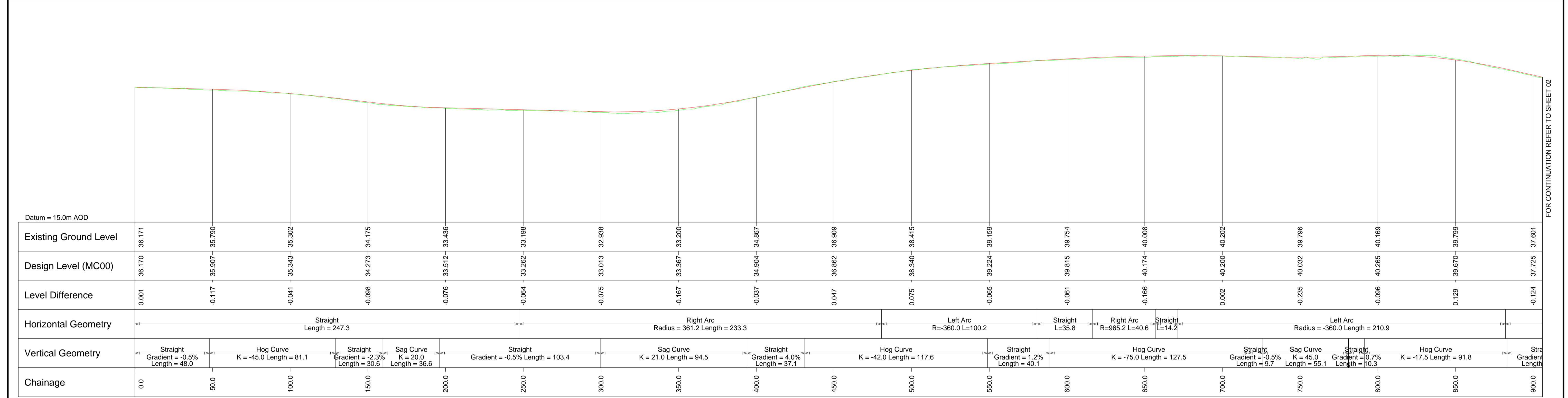
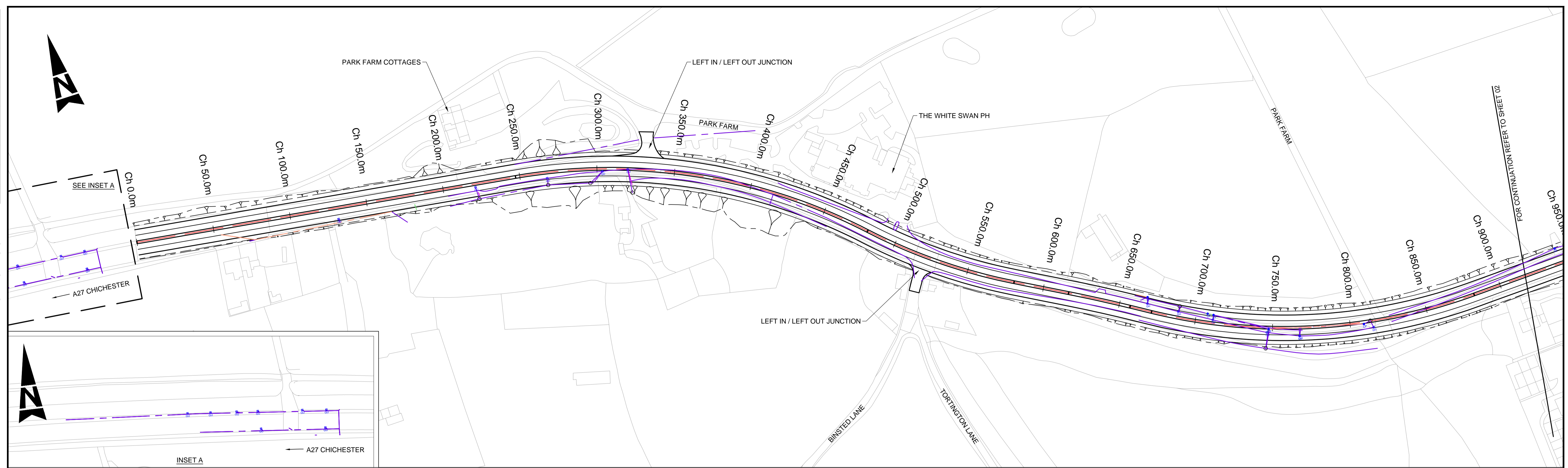
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Fax: +44 (0)1483 528989
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Working on behalf of
highways england

| Project Title | Scale | Drawn | Checked | Approved | Authorised |
|---|---|------------|----------|------------------|------------|
| REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS | 1:10000 | TC | DB | BS | --- |
| DRAINAGE STRATEGY OPTION 1 KEY PLAN | Original Size | Date | Date | Date | Date |
| A1 | 13/05/16 | 18/05/16 | 18/05/16 | --- | --- |
| Drawing Number | Project | Originator | Volume | Project Ref. No. | Authorised |
| HE551523 - WSP - HDG - A27AR - DR - D - 0500 | HE551523 - WSP - HDG - A27AR - DR - D - 0500 | --- | --- | 3514447G | P01 |
| Location | Type | Date | Number | Revision | Date |
| | | | | | |

100
10
0
DO NOT SCALE



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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 | Chkd | App'd |
|------|----------|-------------|----|------|-------|
| P01 | 18/05/16 | First Issue | TC | DB | BS |

Drawing Status: FOR INFORMATION

Subsidiary: S2

Project Title: REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS

Drawing Title: DRAINAGE STRATEGY OPTION 1 SHEET 1 OF 5

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 - 0501

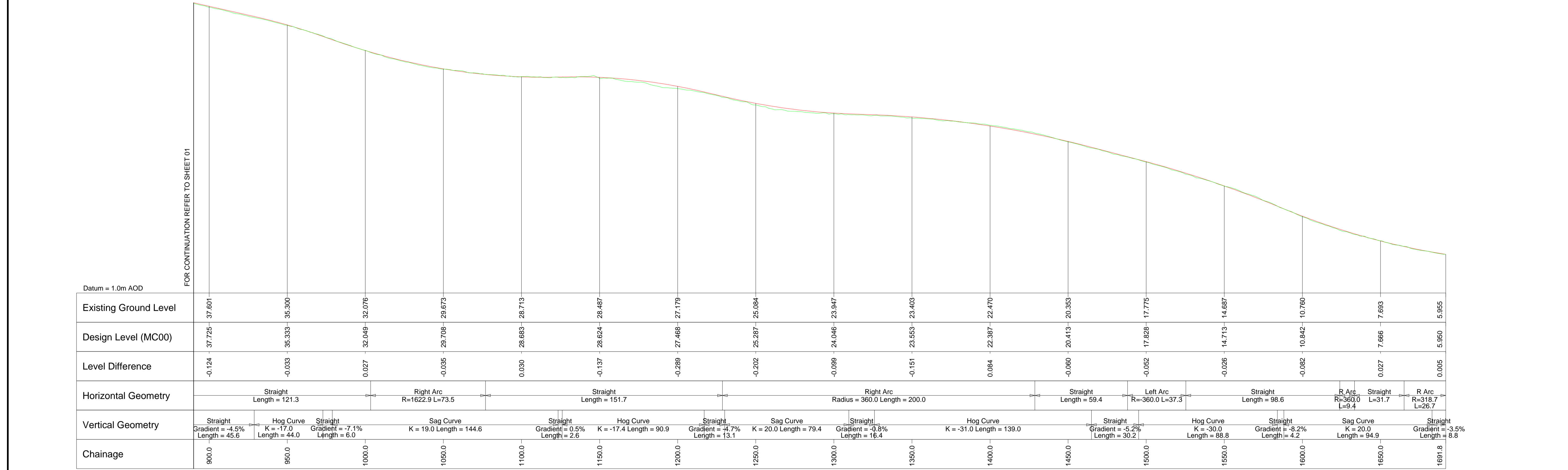
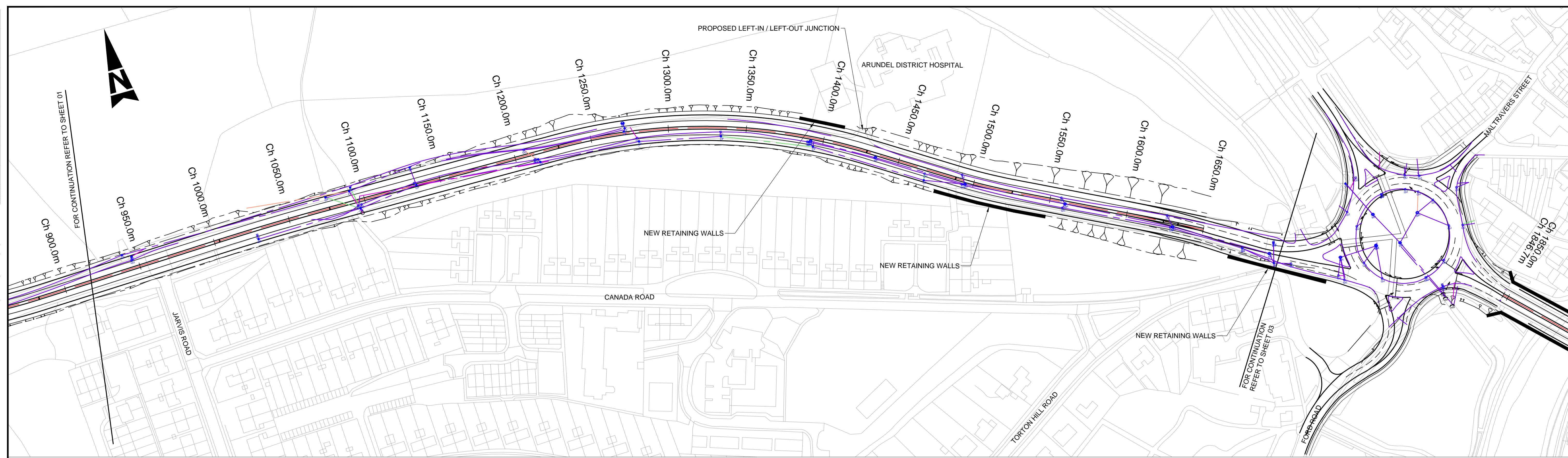
Project Ref. No.: 3514447G

Revision: P01

Client: Working on behalf of highways england

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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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).

| Use | By | Chkd | App'd |
|------------------------------|----|------|-------|
| 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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www.wsp-pb.co.uk

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

REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS

DRAINAGE STRATEGY OPTION 1 SHEET 2 OF 5

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

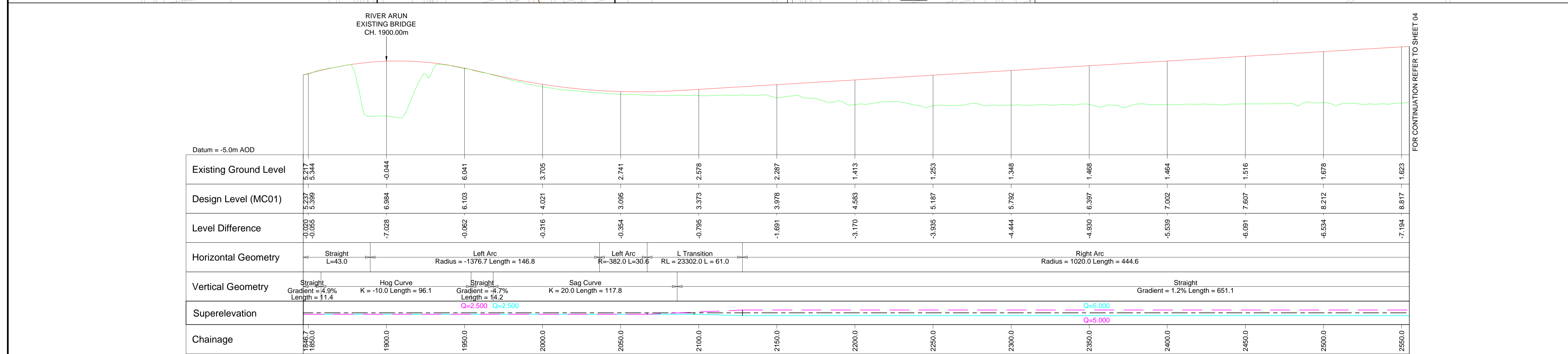
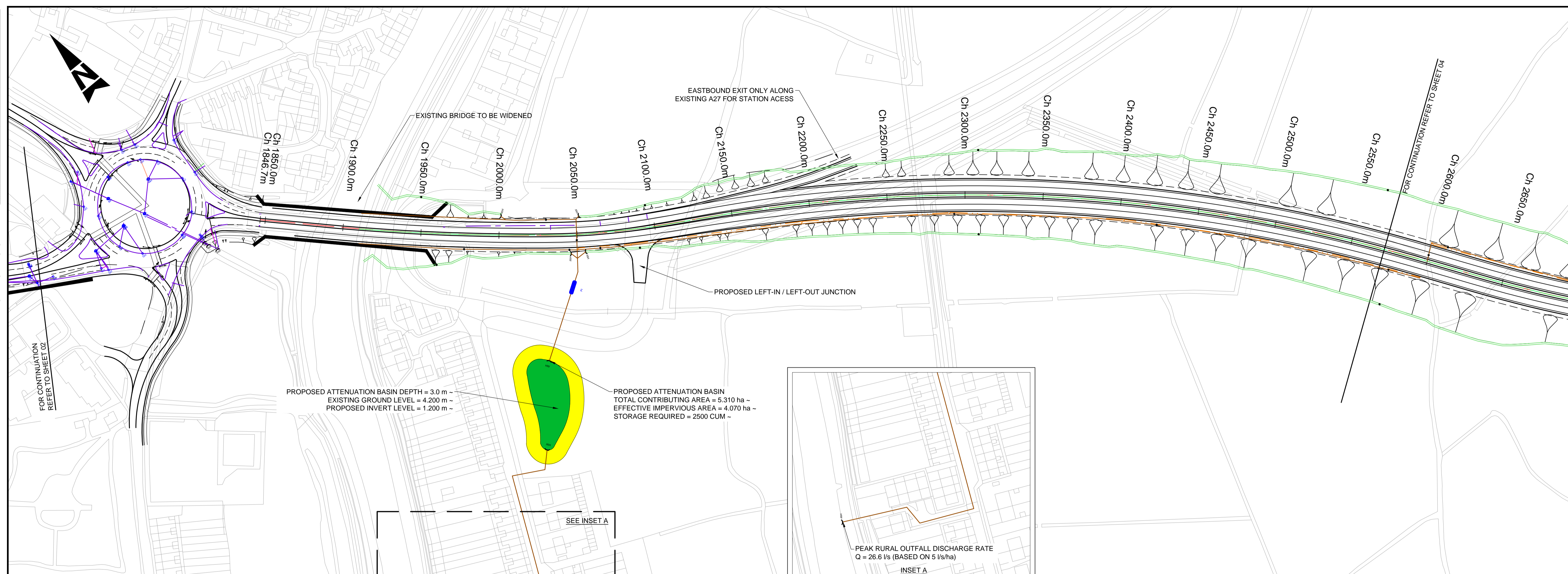
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|---------------|----------|----------|----------|------|
| A1 | 13/05/16 | 18/05/16 | 18/05/16 | --- |

| Drawing Number | Project | Originator | Volume | Project Ref. No. |
|----------------|---|------------|--------|------------------|
| | HE55123 - WSP - HDG - A27AR - DR - D - 0502 | | | 3514447G |

| Location | Type | Role | Number |
|----------|------|------|--------|
| | | | P01 |

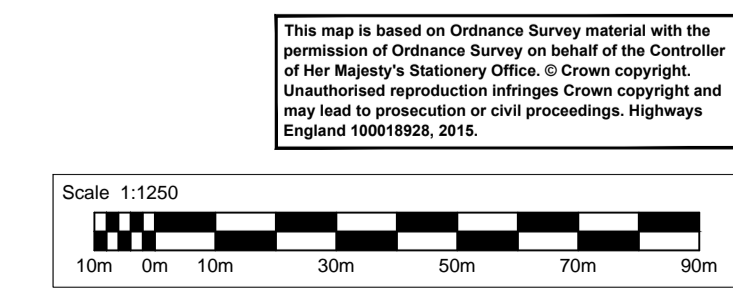
DO NOT SCALE

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
 - 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 |

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REGIONAL INVESTMENT PROGRAMME
A27 ARUNDEL BYPASS

DRAINAGE STRATEGY
OPTION 1
SHEET 3 OF 5

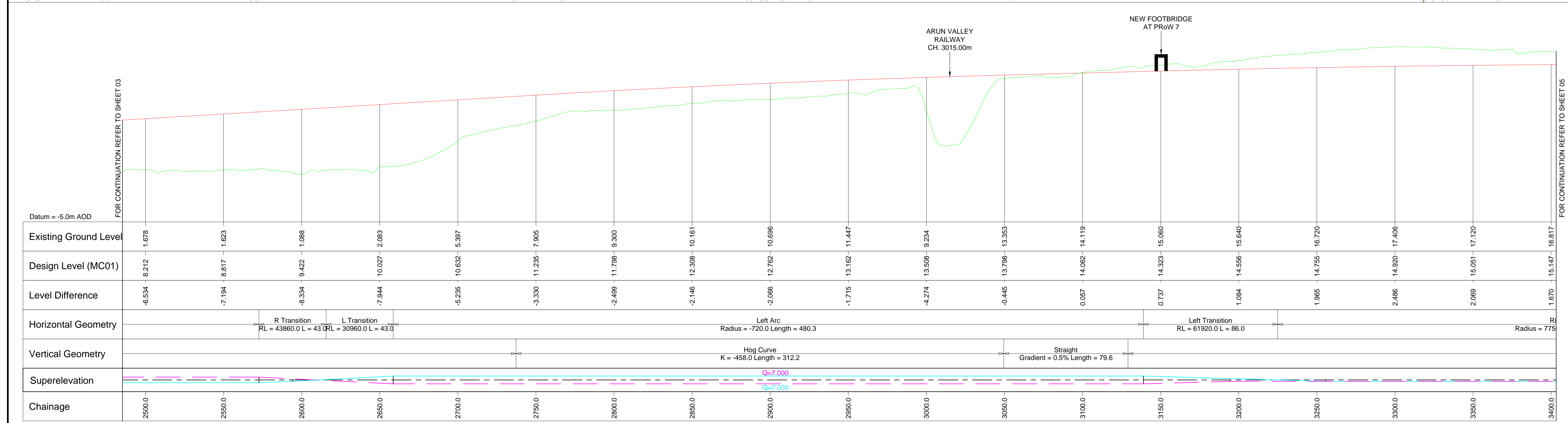
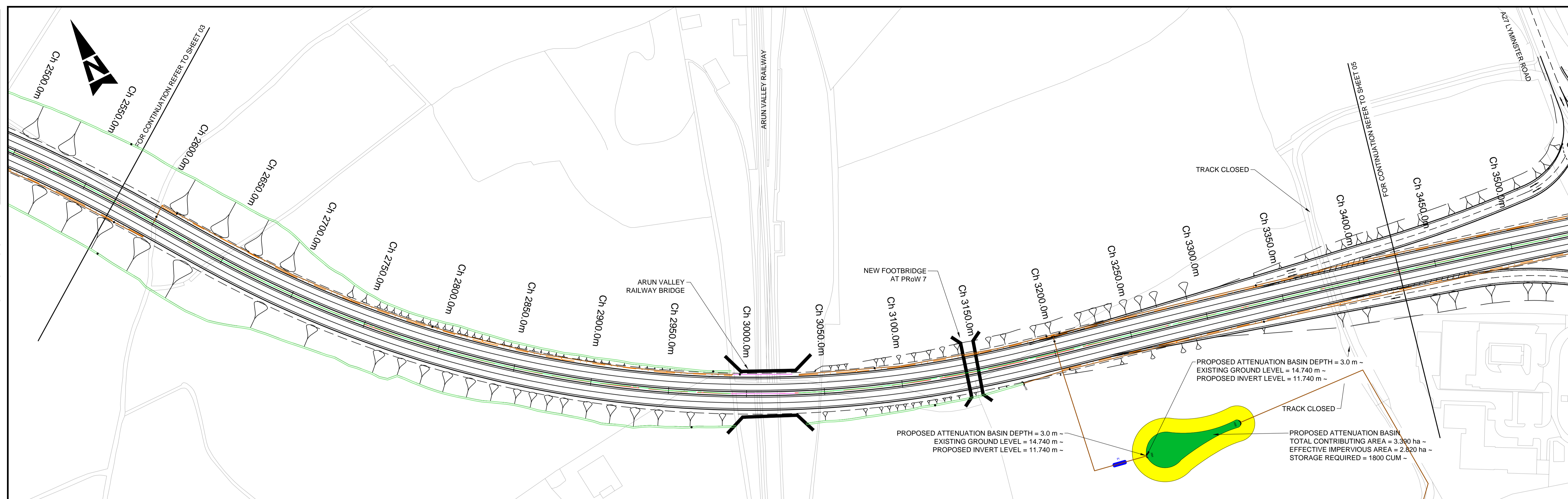
| Scale | Drawn | Checked | Approved | Authorised |
|--------|-------|---------|----------|------------|
| 1:1250 | TC | DB | BS | --- |

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

Project Ref. No. 3514447G
Revision P01

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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Scale 1:1250
10m 0m 10m 30m 50m 70m 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 |
|--------------|------------------------|-----|------------------------------|
| | | | |

| Rev. | Date | Description | By | Chkd | App'd |
|------|----------|-------------|----|------|-------|
| P01 | 18/05/16 | First Issue | TC | DB | 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: DRAINAGE STRATEGY OPTION 1 SHEET 4 OF 5

Scale: 1:1250

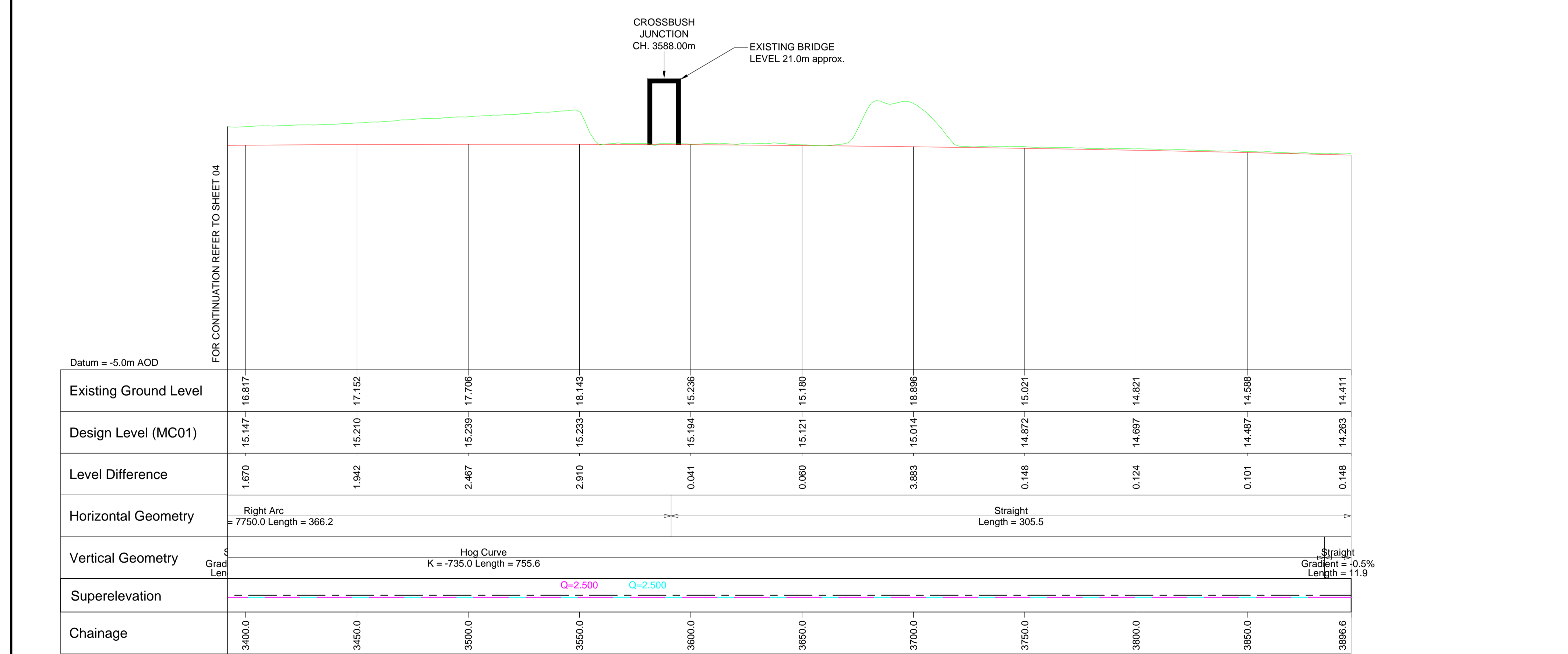
| Original Size | Date | Checked | Approved | Authorised |
|---------------|----------|---------|----------|------------|
| A1 | 13/05/16 | TC | DB | BS |

Project Ref. No.: 3514447G

Revision: P01

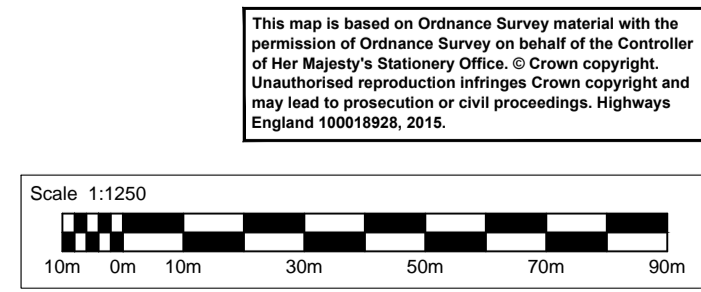
DO NOT SCALE

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



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 1
SHEET 5 OF 5**

| 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 | --- |

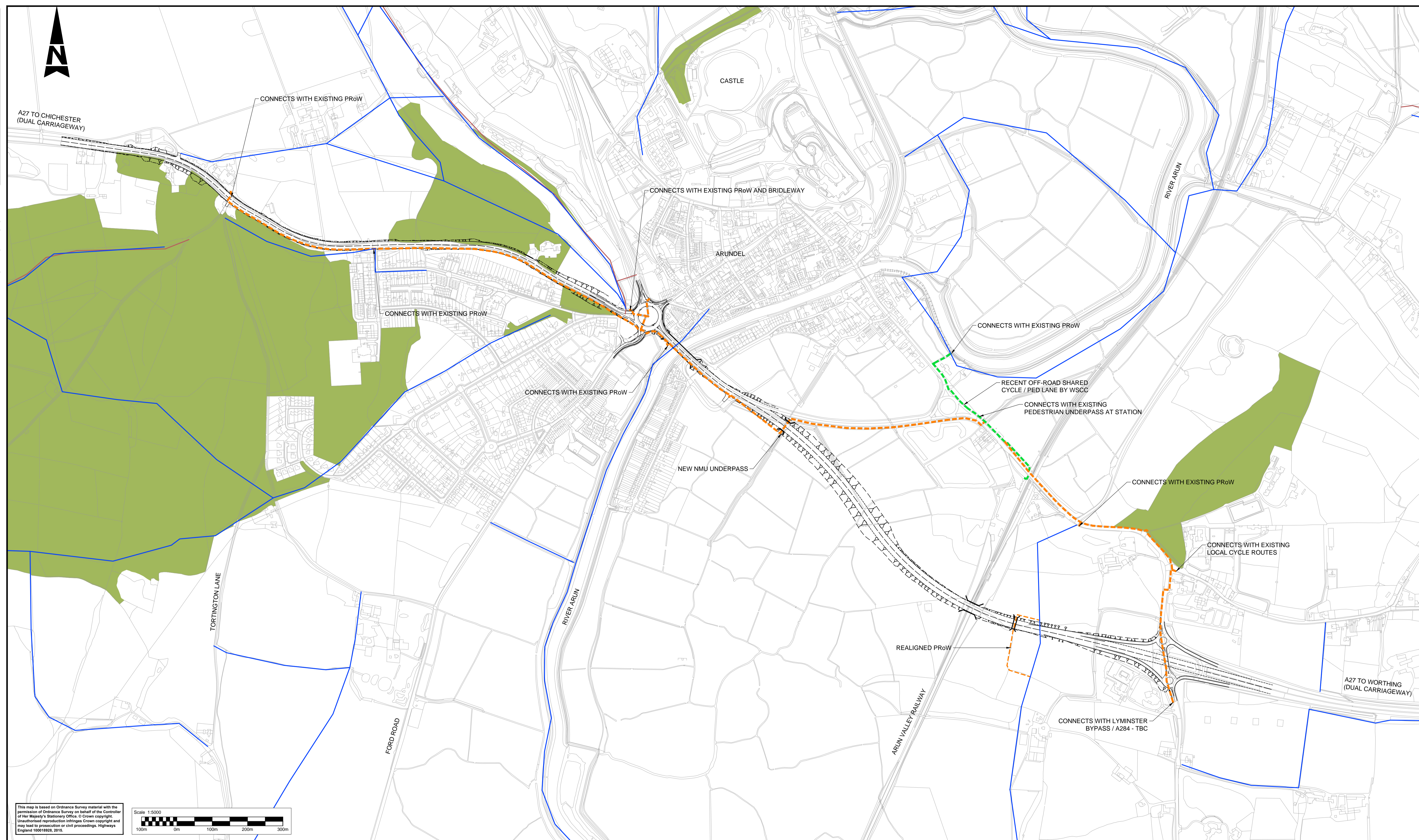
Drawing Number: HE551523 - WSP - HDG - A27AR - DR - D - 0505
Project Ref. No: 3514447G
Revision: P01

APPENDIX D-4

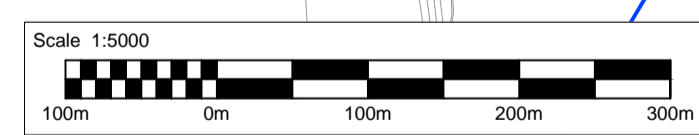
OPTION 1 – NMU PROPOSALS

DO NOT SCALE

Millimetres
0 10 100



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- KEY:**
- SHARED SEGREGATED PEDESTRIAN AND CYCLE LANE
 - NEW BRIDLEWAY
 - RECENT OFF-ROAD SHARED PEDESTRIAN/CYCLE LANE PROVIDED BY WSCC
 - 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 | 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 NMU PROPOSALS ALONG EXISTING A27 FOR OPTION 1 | | | | | | | | | | |
| Client | Working on behalf of | | | | 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 - | | | Project Ref. No. | | 3514447G | | | | |
| | | | | | Project | A27AR - DR - D - 0510 | | | Revision | | P01 | | | | |
| | | | | | Location | Type | Role | Number | | | | | | | |

Appendix E

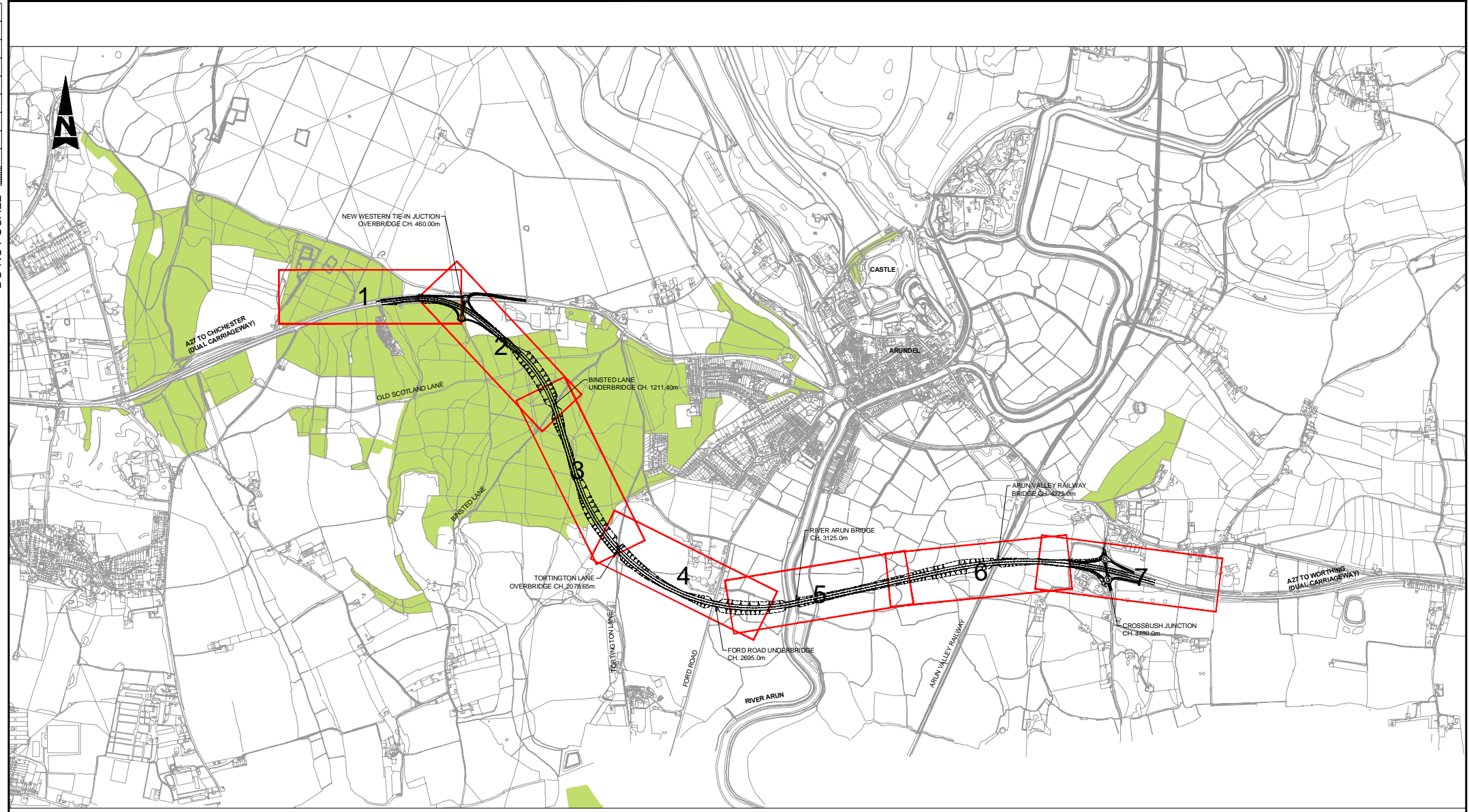
DRAWINGS OF OPTION 3

APPENDIX E-1

OPTION 3 – GA PLANS

DO NOT SCALE

0 10 100
Millimetres



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Scale: 1:10000

NOTES:
1. FOR LAYOUTS REFER TO DRG. NOS. HE55123-WSP-HGN-A27AR-DR-D-0031 TO 0037.

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** Status: **S2**

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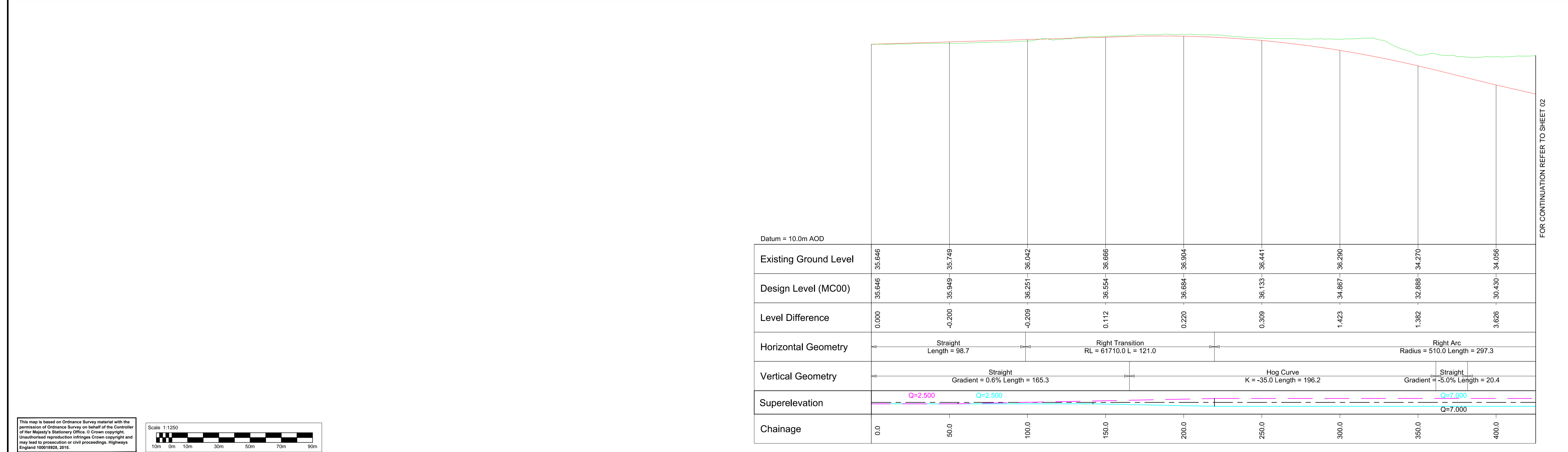
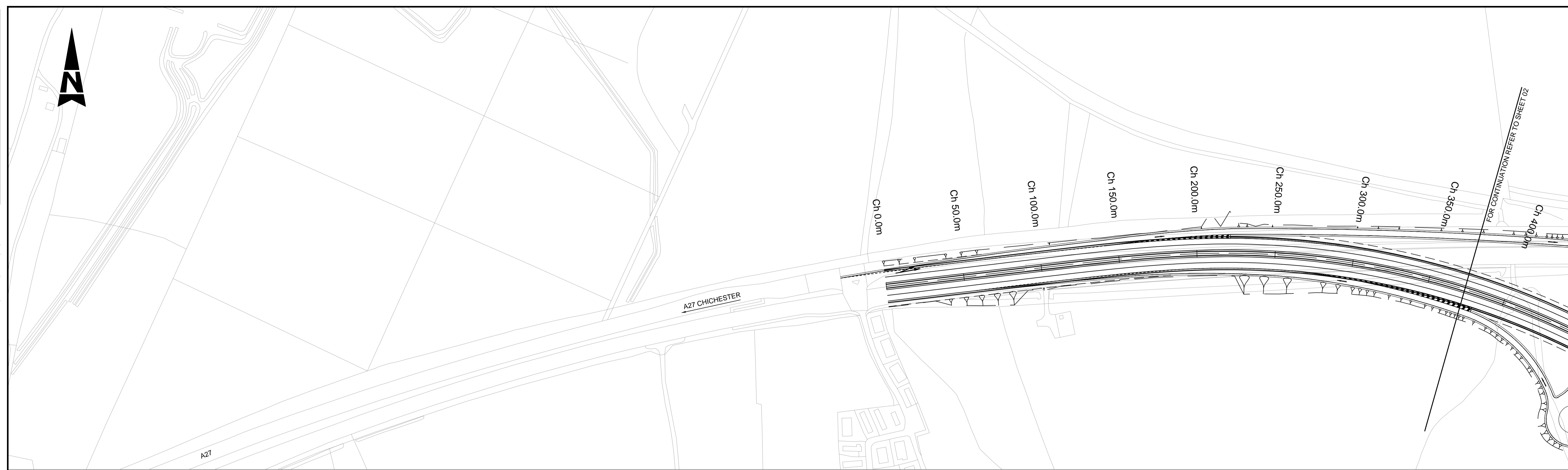
Working on behalf of
highways england

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

| | | | | | |
|--|----------------|----------------|---------------------------|-------------|-----|
| Drawing Title: INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 3 OVERVIEW PLAN | | | | | |
| Scale: 1:10000 | Drawn: TC | Checked: KM | Approved: BS | Authorised: | |
| Original Sp: A1 | Date: 11/05/16 | Date: 17/05/16 | Date: 18/05/16 | Date: | |
| Drawing Number: HE551523 - WSP - HGN - A27AR - DR - D - 0300 | Project: | Revision: | Project Ref. No: 3514447G | Date: | |
| | | | | | P01 |

DO NOT SCALE

100
0 10
Millimetres



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NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0030.

KEY:
— DESIGN LEVEL
— EXISTING LEVEL
— RIGHT CHANNEL LINE
— LEFT CHANNEL LINE

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

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

Drawing Title: **INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 3 SHEET 1 OF 7**

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

| Original Size | Date | Date | Date | Date |
|---------------|----------|----------|----------|------|
| A1 | 11/05/16 | 18/05/16 | 18/05/16 | --- |

| Drawing Number | Project | Originator | Volume | Project Ref. No. |
|----------------|--|------------|--------|------------------|
| A1 | HE551523 - WSP - HGN - A27AR - DR - D - 0301 | | | 3514447G |

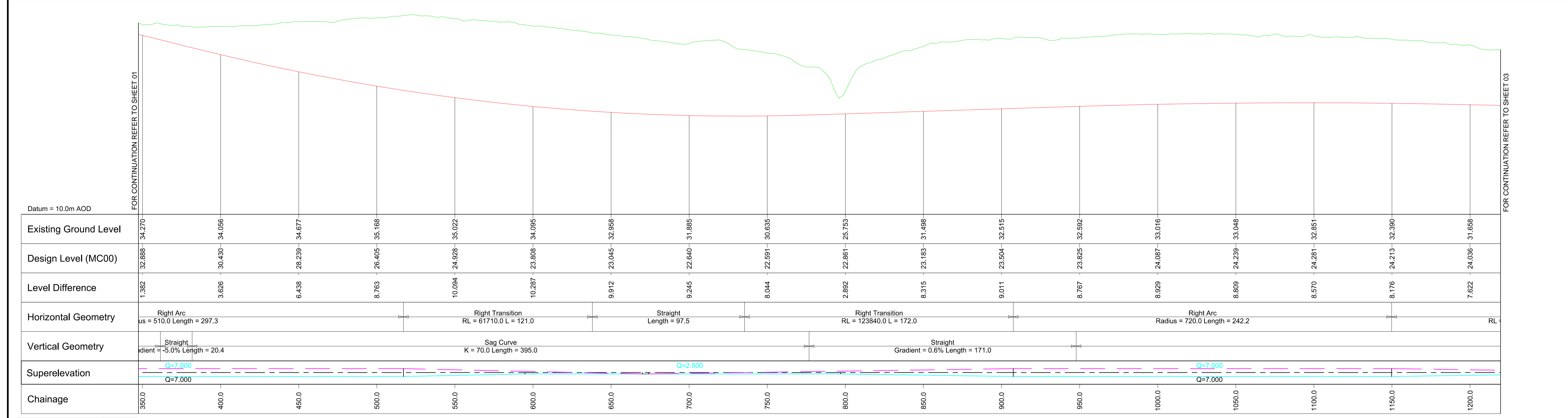
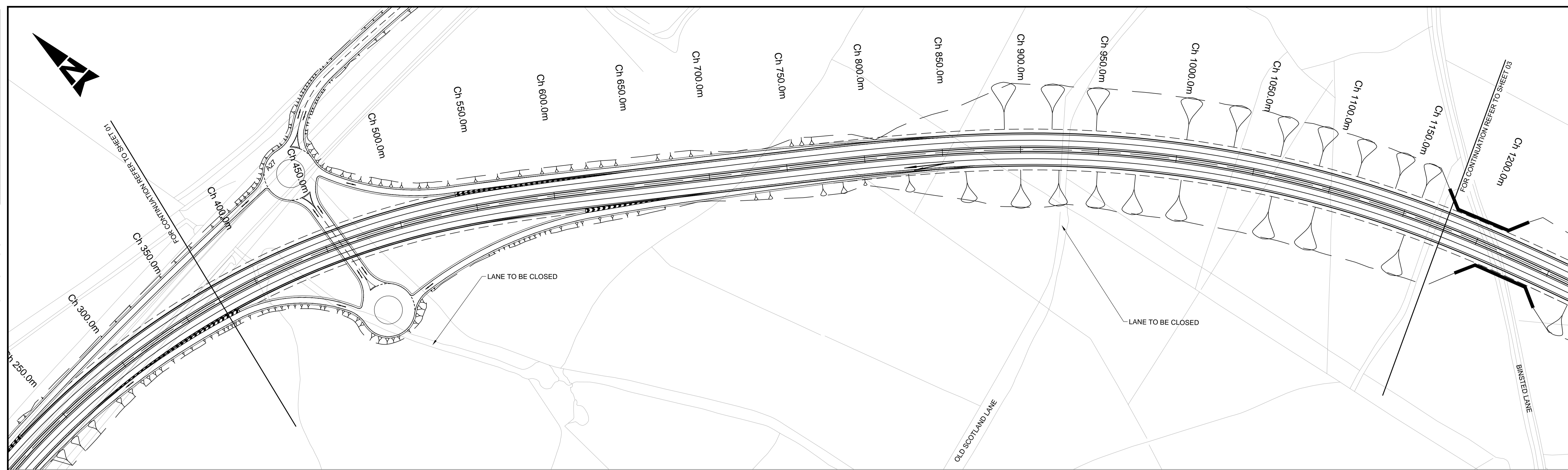
| Revision | Number |
|----------|--------|
| | P01 |

DO NOT SCALE

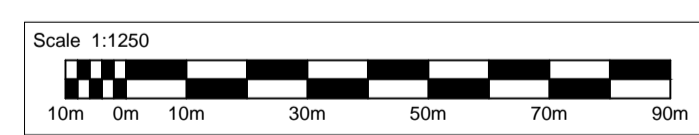
Millimetres

0 10

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NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0030.

KEY:
— DESIGN LEVEL
— EXISTING LEVEL
— RIGHT CHANNEL LINE
— LEFT CHANNEL LINE

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 |

FOR INFORMATION

WSP
PARSONS BRINCKERHOFF

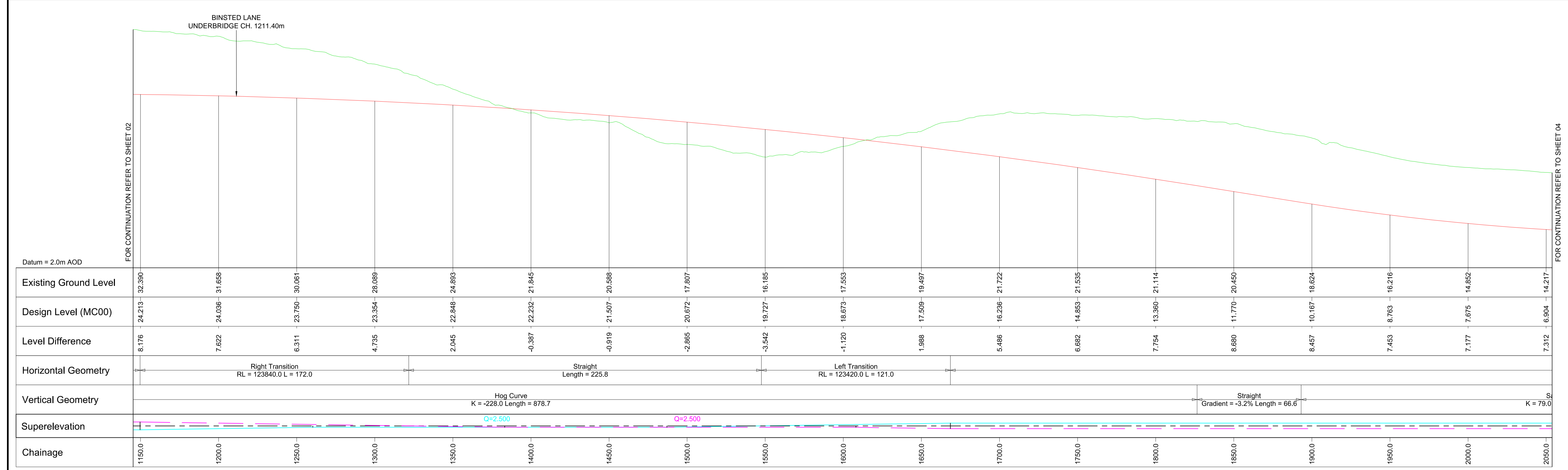
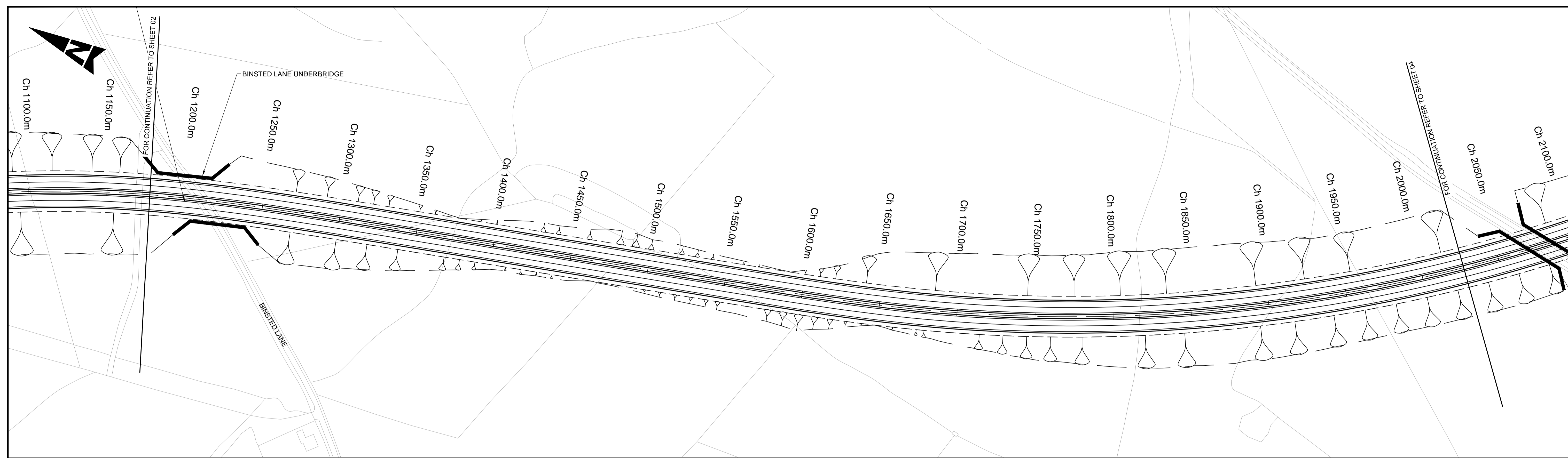
Westbrook Mills
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Fax: +44 (0)1483 528989
www.wsp-pb.co.uk

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highways england

| | |
|---|------------------------------|
| Project Title REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS | |
| Drawing Title INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 3 SHEET 2 OF 7 | |
| Scale 1:1250 | Drawn TC |
| Original Size A1 | Date 11/05/16 |
| Checked KM | Date 18/05/16 |
| Approved BS | Date 18/05/16 |
| Authorised --- | Date --- |
| Project Number HE551523 - WSP - HGN - A27AR - DR - D - 0302 | Project Ref. No. 3514447G |
| Location Type Role Number | Revision P01 |

DO NOT SCALE

Millimetres
100
10
0



NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0030.

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Scale 1:1250

KEY:

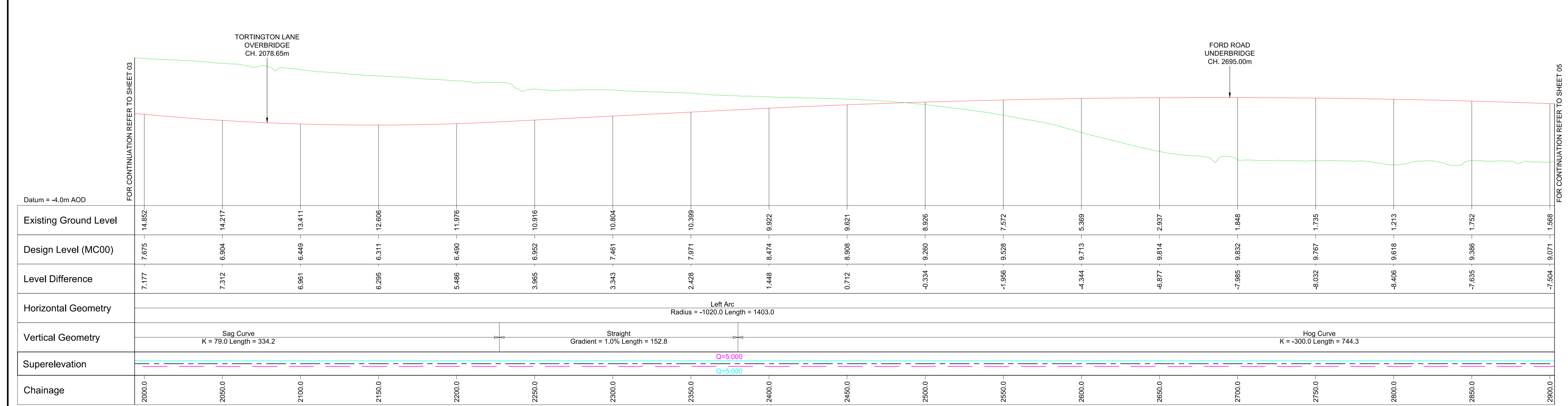
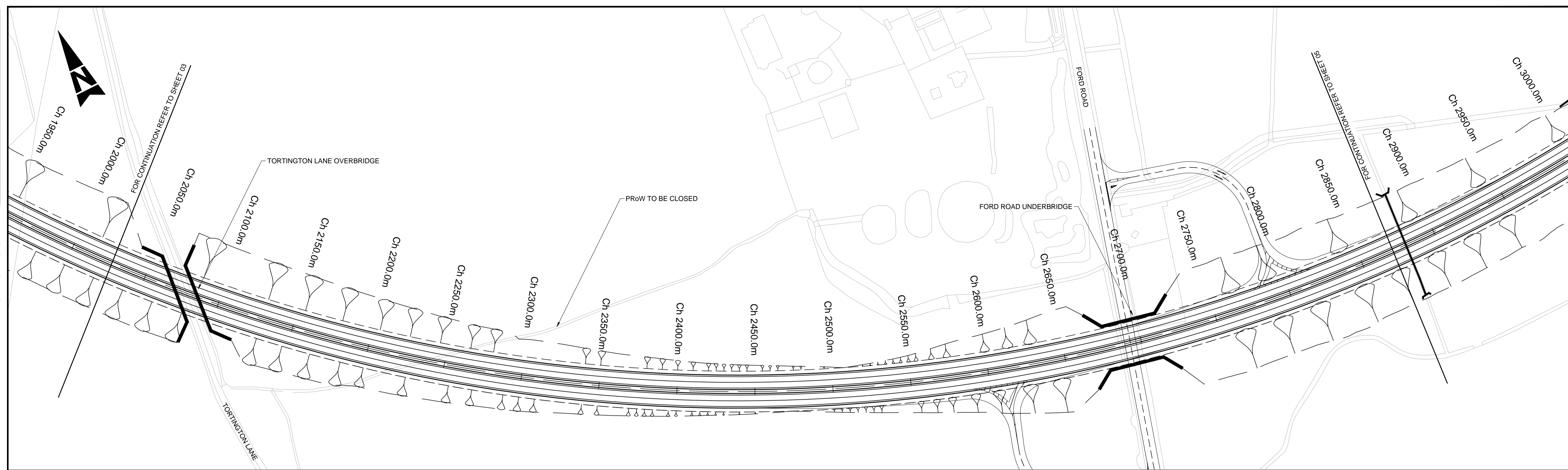
- DESIGN LEVEL
- EXISTING LEVEL
- RIGHT CHANNEL LINE
- LEFT CHANNEL LINE

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

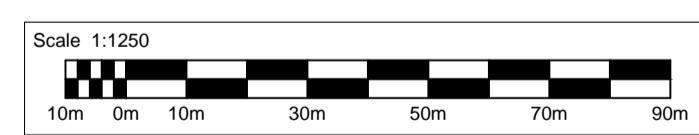
| Drawing Status | | Suitability | Project Title | | | |
|-----------------|--|---|---|--|--|--|
| FOR INFORMATION | | S2 | REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS | | | |
| | | Westbrook Mills Borough Road Godalming Surrey GU7 2AZ Tel: +44 (0)1483 528400 Fax: +44 (0)1483 528989 www.wsp-pb.co.uk | | | | |
| Client | | Working on behalf of | | | | |
| | | Scale: 1:1250 Original Size: A1 Date: 11/05/16 Checked: KM Date: 18/05/16 Approved: BS Date: 18/05/16 Authorised: --- Drawing Number: HE551523 - WSP - HGN - A27AR - DR - D - 0303 Project Ref. No.: 3514447G 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-0030.

KEY:
— DESIGN LEVEL
— EXISTING LEVEL
— RIGHT CHANNEL LINE
— LEFT CHANNEL LINE

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 |
|--------------|------------------------|-----|------------------------------|
| | | | |
| | | | |
| | | | |
| | | | |

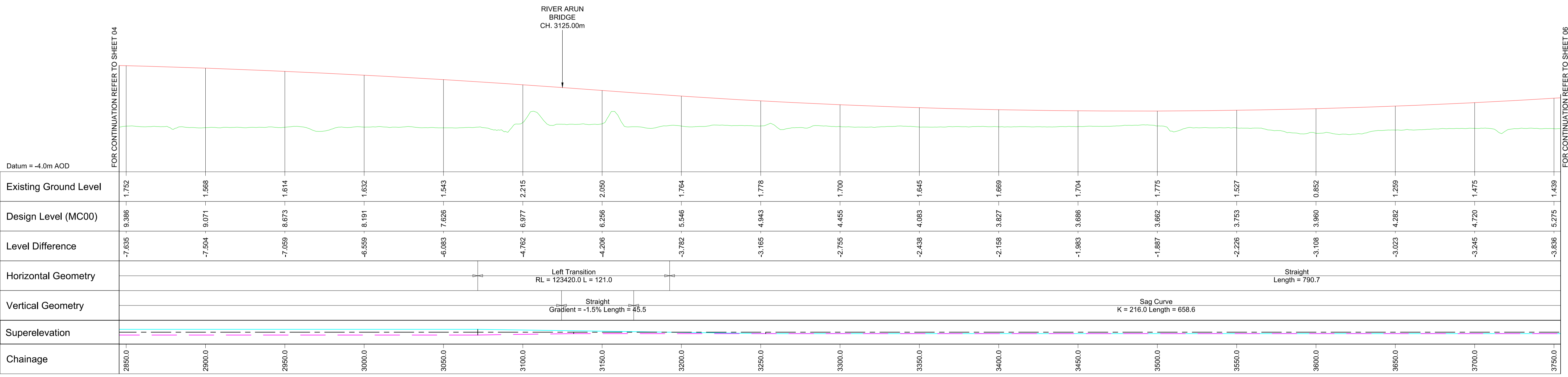
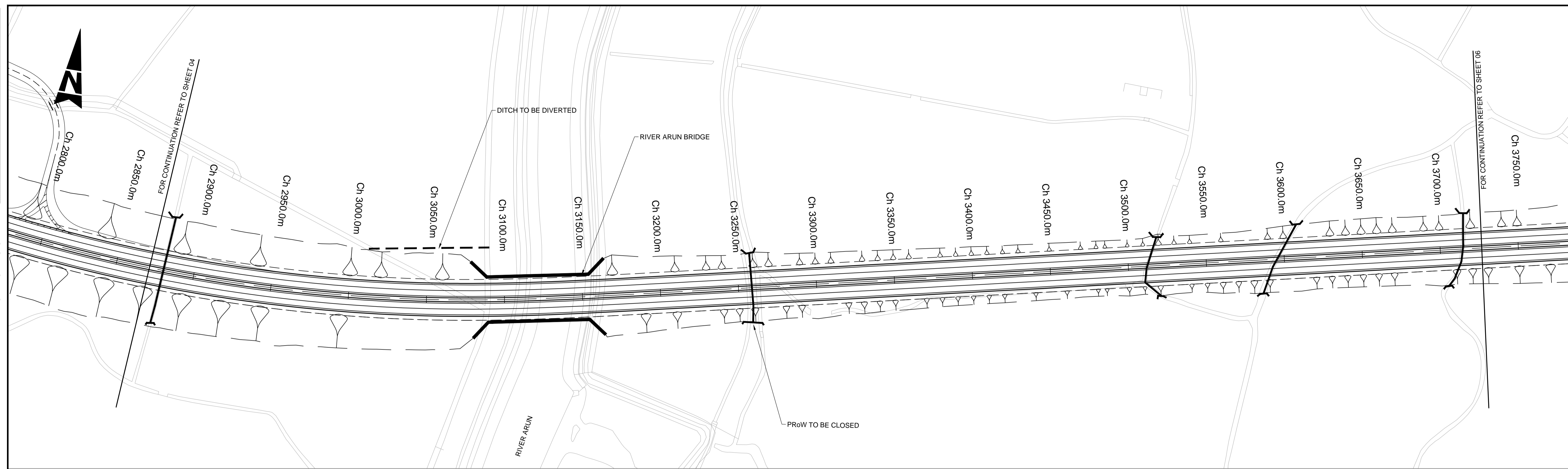
| Rev. | Date | Description | By | Chkd | App'd |
|------|----------|-------------|----|------|-------|
| P01 | 18/05/16 | First Issue | TC | KM | BS |

Drawing Status: FOR INFORMATION
 S2
WSP
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 Client: Working on behalf of **highways england**

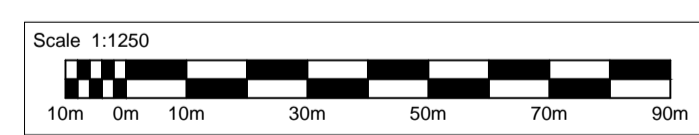
Project Title: REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS
 Drawing Title: INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 3 SHEET 4 OF 7
 Scale: 1:1250
 Original Size: A1
 Date: 11/05/16
 Checked: KM
 Date: 18/05/16
 Approved: BS
 Date: 18/05/16
 Authorised: ---
 Date: ---
 Drawing Number: HE551523 - WSP - HGN - A27AR - DR - D - 0304
 Project Ref. No.: 3514447G
 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-0030.

KEY:
— DESIGN LEVEL
— EXISTING LEVEL
— RIGHT CHANNEL LINE
— LEFT CHANNEL LINE

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 |

FOR INFORMATION

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PARSONS BRINCKERHOFF

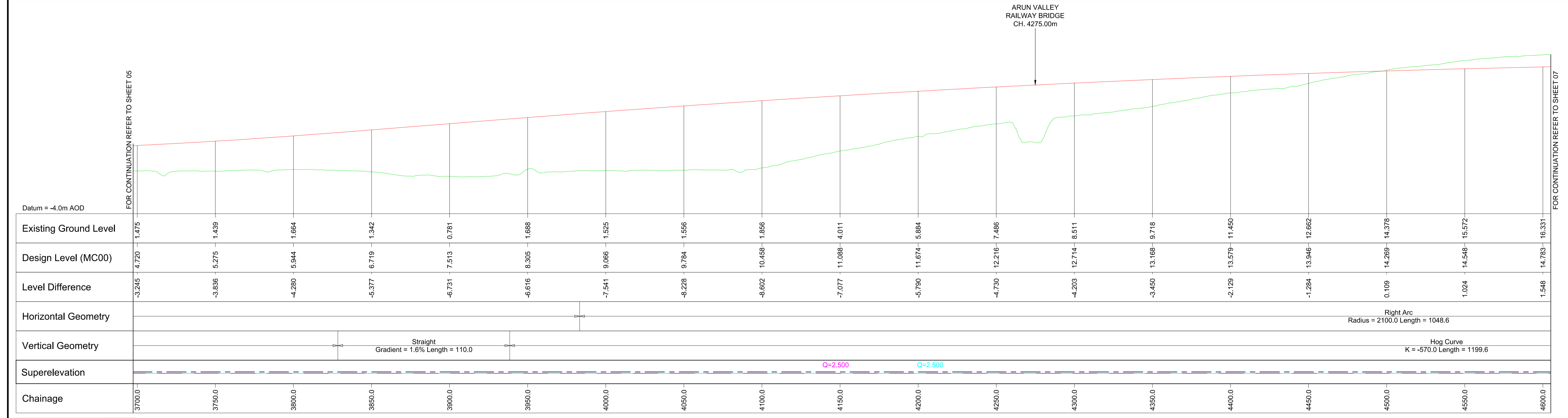
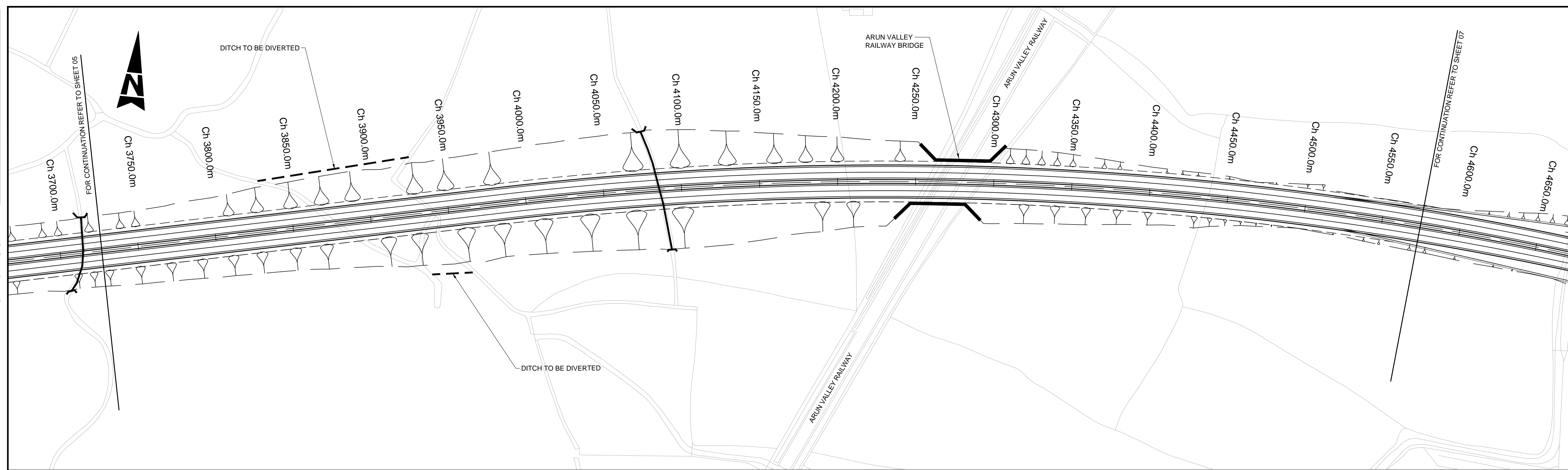
Westbrook Mills
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Tel: +44 (0)1483 528400
Fax: +44 (0)1483 528989
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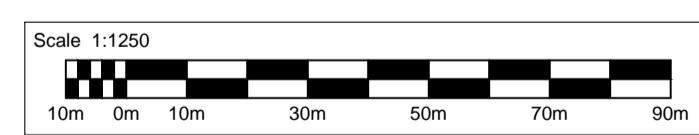
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| S2 | | REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS | |
| INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 3 SHEET 5 OF 7 | | | |
| Scale 1:1250 | Drawn TC | Checked KM | Approved BS |
| Original Size A1 | Date 11/05/16 | Date 18/05/16 | Date 18/05/16 |
| Drawing Number Project HE551523 - WSP - HGN - A27AR - DR - D - 0305 | Originator Volume 3514447G | Authorised Date --- | Project Ref. No. Revision P01 |

DO NOT SCALE

Millimetres
100
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NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0030.

KEY:
— DESIGN LEVEL
— EXISTING LEVEL
— RIGHT CHANNEL LINE
— LEFT CHANNEL LINE

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
S2

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

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

Project Title: REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS

Drawing Title: INDICATIVE ALIGNMENT PROPOSALS LAYOUT OPTION 3 SHEET 6 OF 7

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

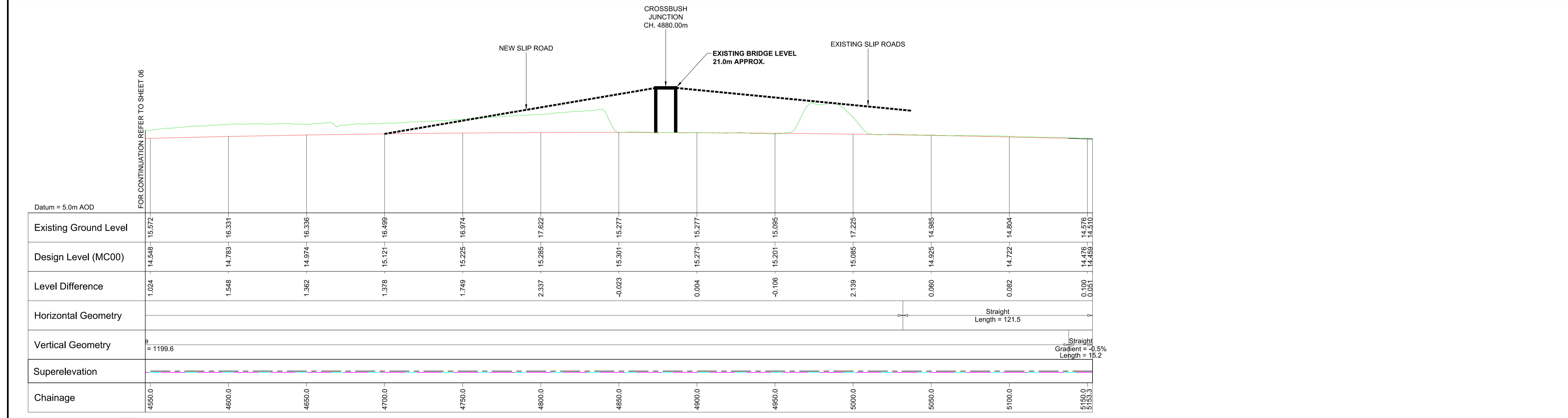
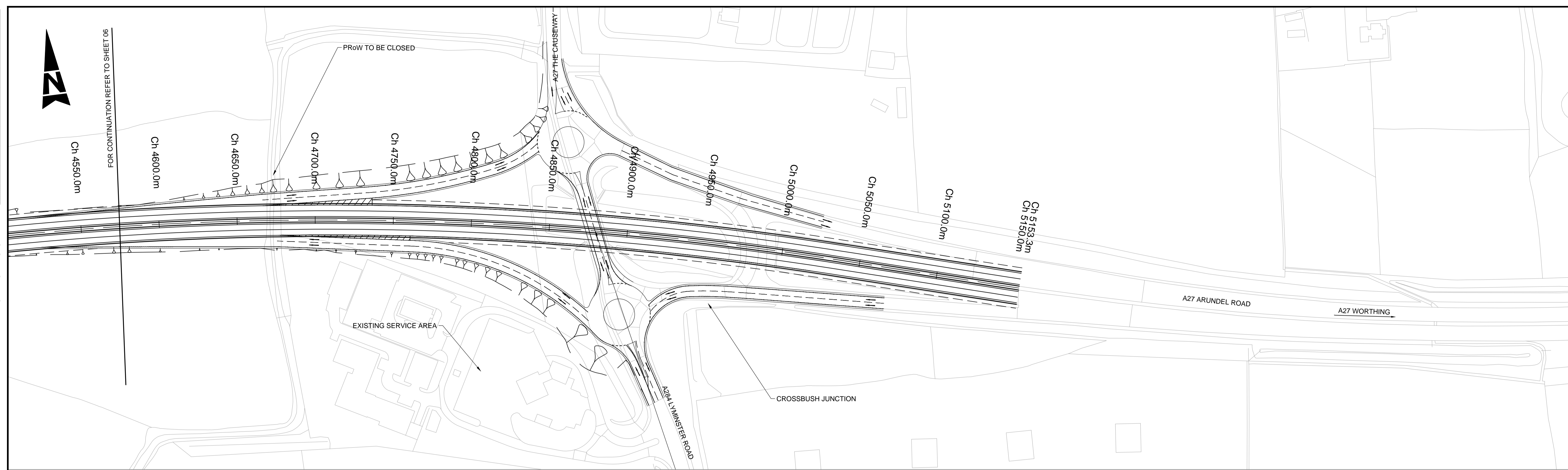
| Original Size | Date | Date | Date | Date |
|---------------|----------|----------|----------|------|
| A1 | 11/05/16 | 18/05/16 | 18/05/16 | --- |

Drawing Number: HE551523 - WSP - HGN - A27AR - DR - D - 0306
Project Ref. No: 3514447G
Revision: P01

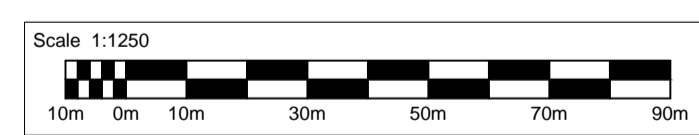
DO NOT SCALE

Millimetres

0 10 100



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NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0030.

KEY:
— DESIGN LEVEL
— EXISTING LEVEL
— RIGHT CHANNEL LINE
— LEFT CHANNEL LINE

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 | Project Title REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS | | | |
| PARSONS BRINCKERHOFF | | 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 3 SHEET 7 OF 7 | | |
| Scale 1:1250 | Drawn TC | Checked KM | Approved BS | Authorised --- | | |
| Original Size A1 | Date 11/05/16 | Date 18/05/16 | Date 18/05/16 | Date --- | | |
| Drawing Number HE551523 - WSP - HGN - A27AR - DR - D - 0307 | Originator --- | Volume --- | Project Ref. No. 3514447G | | | |
| Location --- | Type --- | Role --- | Number --- | Revision P01 | | |

APPENDIX E-2

OPTION 3 – STATS



| Rev | Date | Description | By | CHK | App | Key: |
|-----|----------|------------------------|----|-----|-----|------|
| P01 | 21/08/15 | Issued for information | NE | HC | HC | |

Notes:




Westbook Mills
Gosington
Surrey GU7 2AZ



Client:

Site/Project: **A27 ARUNDEL IMPROVEMENTS**

Title: **STATS INFORMATION OPTION 3 KEY PLAN SHEET 1 OF 4**

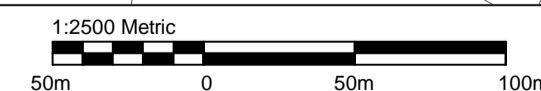
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| FIT FOR INFORMATION | |
|--|----------------------------|
| Drawn: K. Meiss | Checked: H. Coakley |
| Designed: --- | Approved: H. Coakley |
| Date: 19/08/15 | Scale: 1:10000 A1 Sheet: |
| Drawing Number: 551523-PB-Z0-DDR-DR-HI-00034 | Revision: P01 |
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Utilities Key:

- BT — BT
- BT OH — BT Overhead
- Foulwater
- Intermediate pressure main
- Local high pressure main
- Low pressure main
- Medium pressure main
- NR — Network Rail historic cable route
- PW — Portsmouth water
- SW — Southern Water
- SW3 — Southern Water 3
- SSE HV
- SSE LV
- Surface water
- VM — Virgin media



FIT FOR INFORMATION

| Rev | Date | Description | By | CHK | App | Key: |
|-----|----------|------------------------|----|-----|-----|------|
| P01 | 21/08/15 | Issued for Information | NE | HC | HC | |

Notes:

Client:

Westbrook Mills
Godalming
Surrey GU7 2AZ

Tel: 44-(0)1483-528400
Fax: 44-(0)1483-528989

Site/Project:

A27 ARUNDEL IMPROVEMENTS

Title:

**STATS INFORMATION
OPTION 3
SHEET 2 OF 4**

| | |
|-------------------------------------|----------------------|
| Drawn: K. Marais | Checked: H. Coakley |
| Designed: --- | Approved: H. Coakley |
| Date: 19/06/15 | Scale: 1:2500 |
| Drawing Number: | Revision: |
| 551523-PB-Z0-DDR-DR-HI-00035 | P01 |

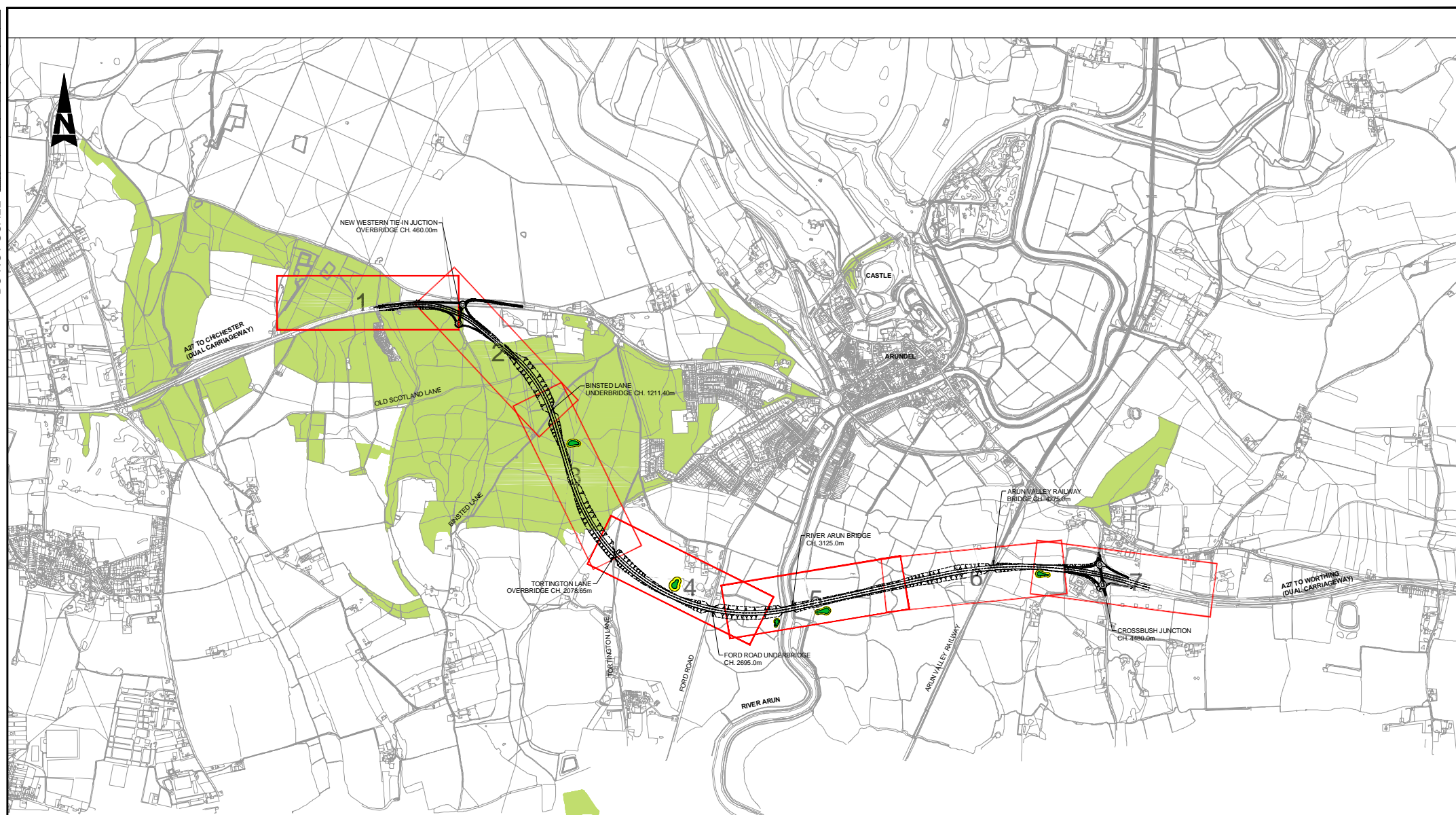
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APPENDIX E-3

OPTION 3 – 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-DR-D-0031 TO 0037.

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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Tel: +44 (0)1483 528400
Fax: +44 (0)1483 528989
www.wsp-pb.co.uk

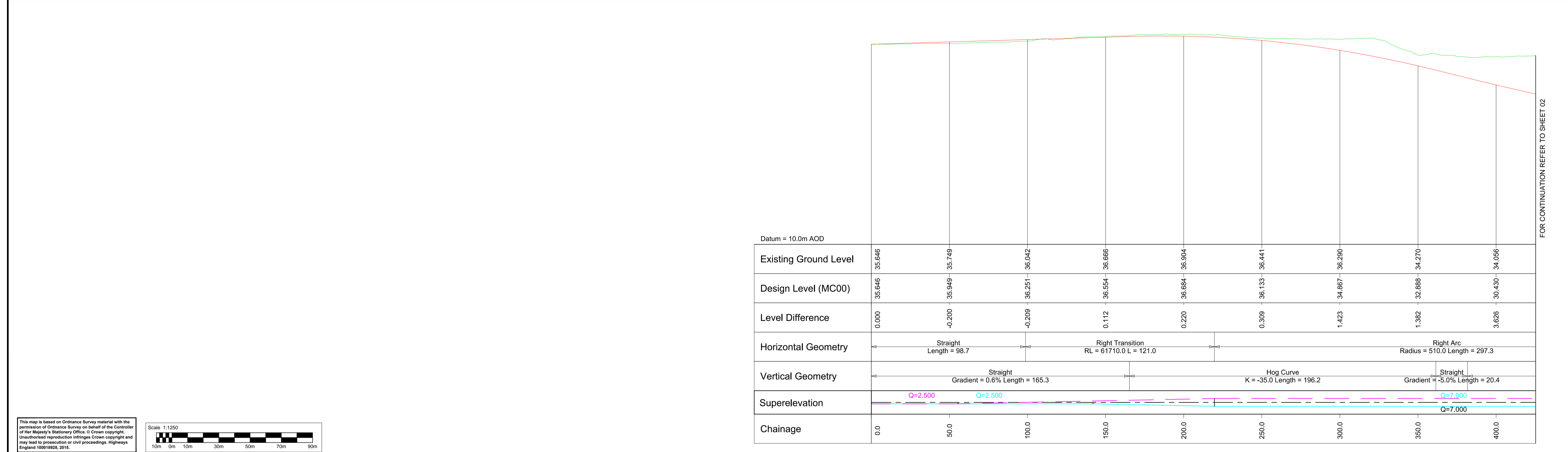
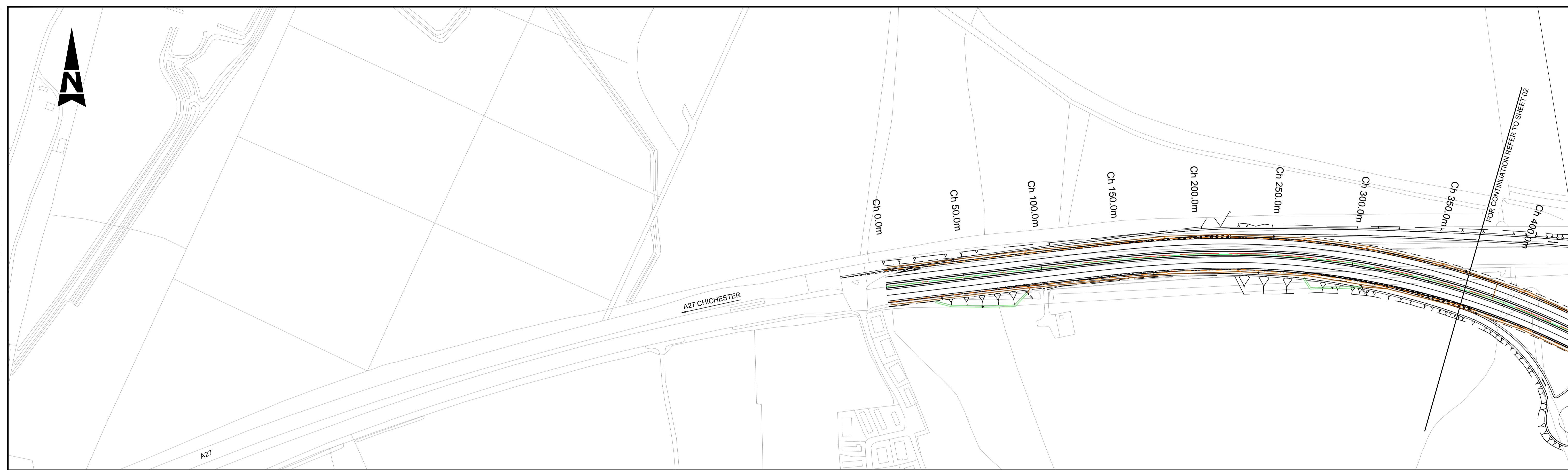
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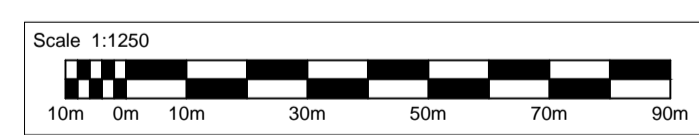
| REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS | | | | | |
|--|-----------------|----------------|---------------------------|-----------------|--|
| Drawing Title: DRAINAGE STRATEGY OPTION 3 OVERVIEW PLAN | | | | | |
| Scale: 1:10000 | Drawn: TC | Checked: DB | Approved: BS | Authorised: --- | |
| Original Date: A1 | Date: 13/05/16 | Date: 18/05/16 | Date: 18/05/16 | Date: --- | |
| Project: HE551523 - WSP - HDG - A27AR - DR - D - 0300 | Originator: --- | Volume: --- | Project Ref. No: 3514447G | | |
| Location: --- | Type: --- | Date: --- | Number: --- | Revision: P01 | |

DO NOT SCALE

100
0 10
Millimetres



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NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0300.

- 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: **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: **DRAINAGE STRATEGY OPTION 3 SHEET 1 OF 7**

| 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: **HE551523 - WSP - HDG - A27AR - DR - D - 0301**

Project Ref. No.: **3514447G**

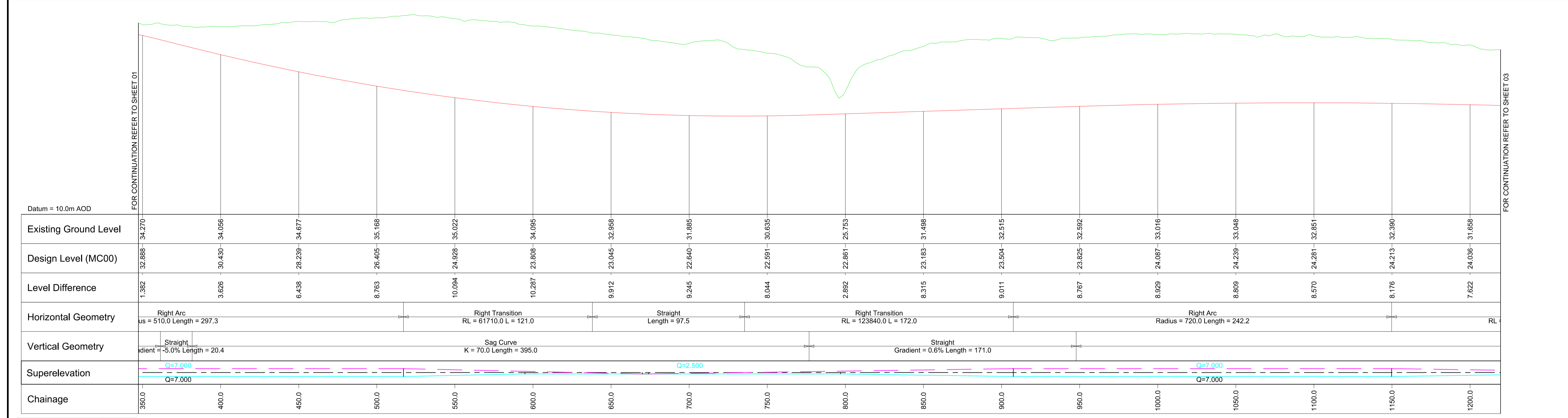
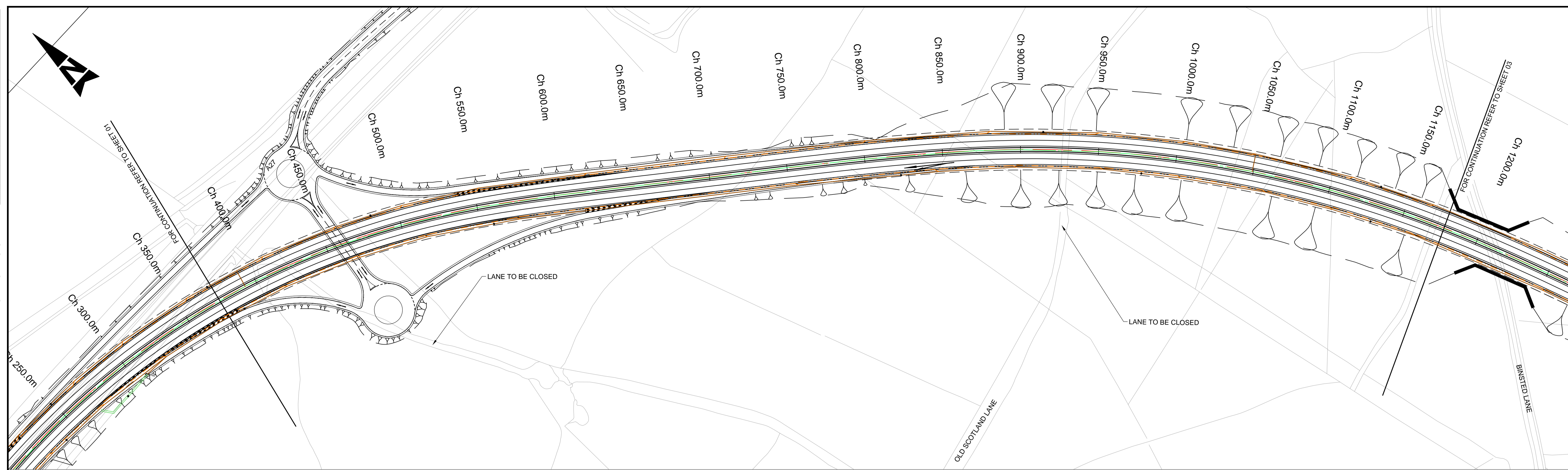
Revision: **P01**

DO NOT SCALE

Millimetres

0 10

100



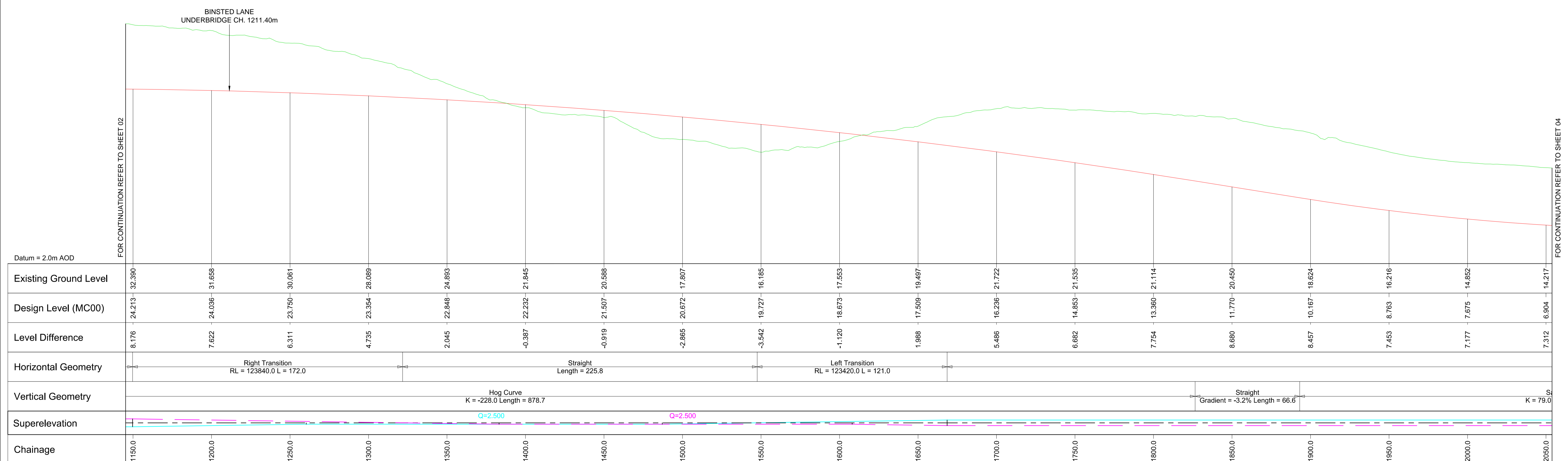
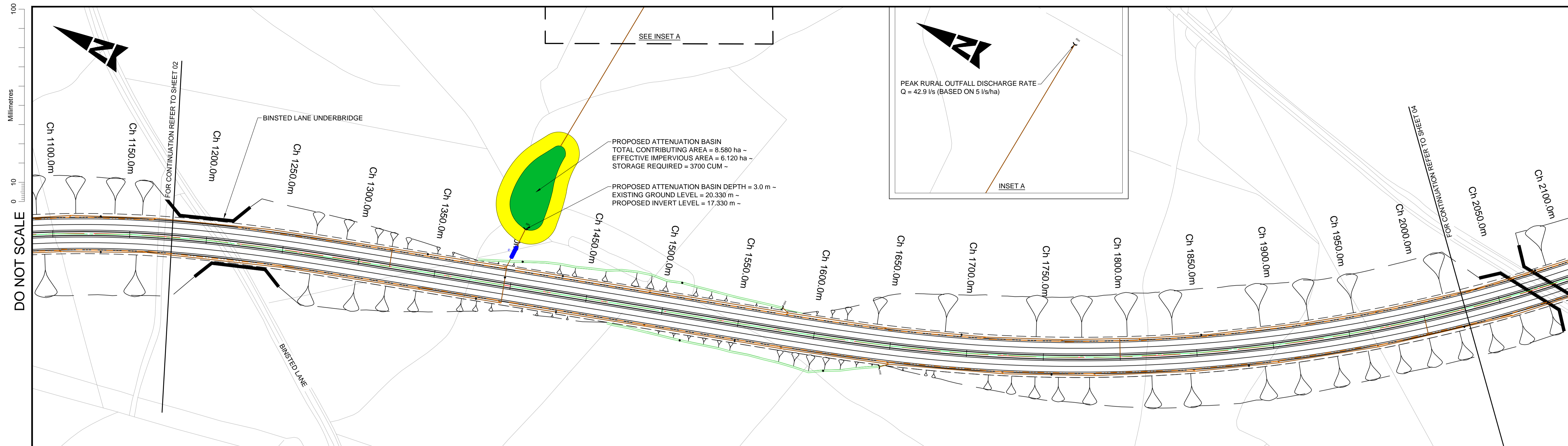
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Scale 1:1250

- NOTES:**
- FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0300.
- 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

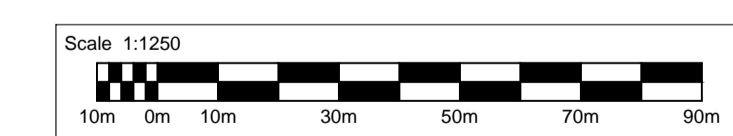
| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION | | | |
|--|----------|-------------|----|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log). | |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

| | | | | | | | |
|--|--|---|--|--|--|------------------------------------|--|
| 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 3 SHEET 3 OF 7 | | | |
| 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 - 0302 | | Initiator Volume | | Project Ref. No. 3514447G | | Revision P01 | |
| Location | | Type | | Role | | Number | |



NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0300.

- 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 | TC | DB | BS |

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Working on behalf of
highways england

REGIONAL INVESTMENT PROGRAMME
A27 ARUNDEL BYPASS

DRAINAGE STRATEGY
OPTION 3
SHEET 3 OF 7

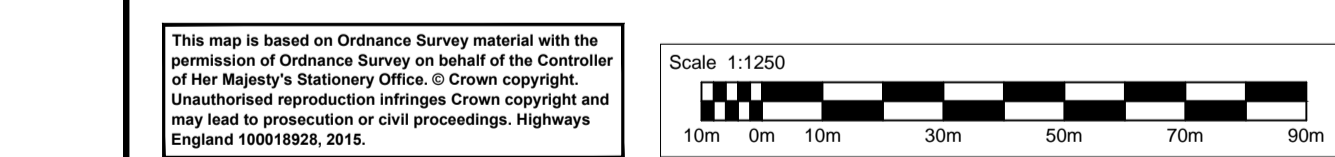
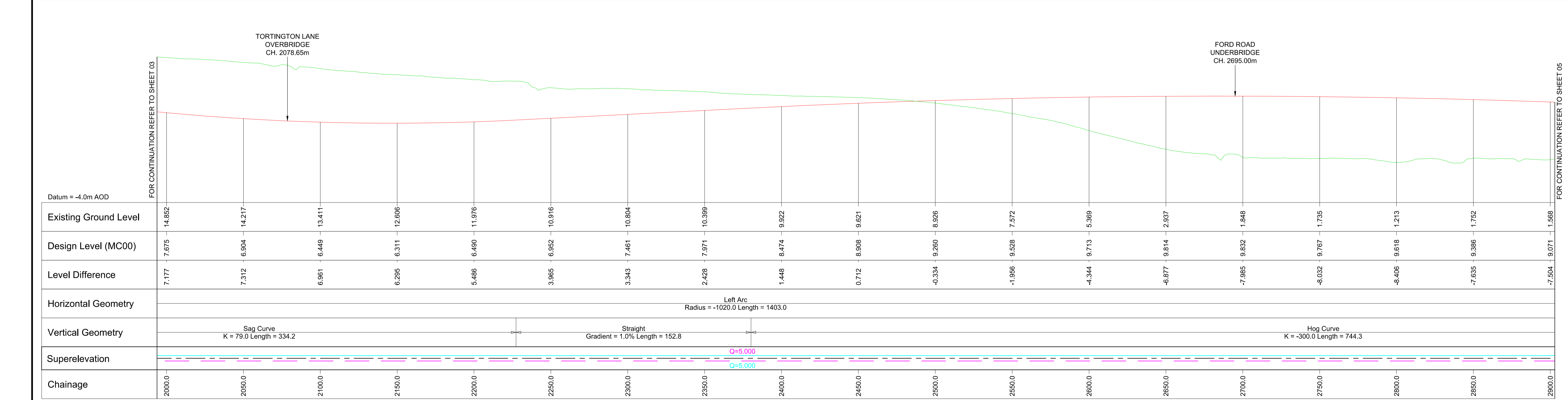
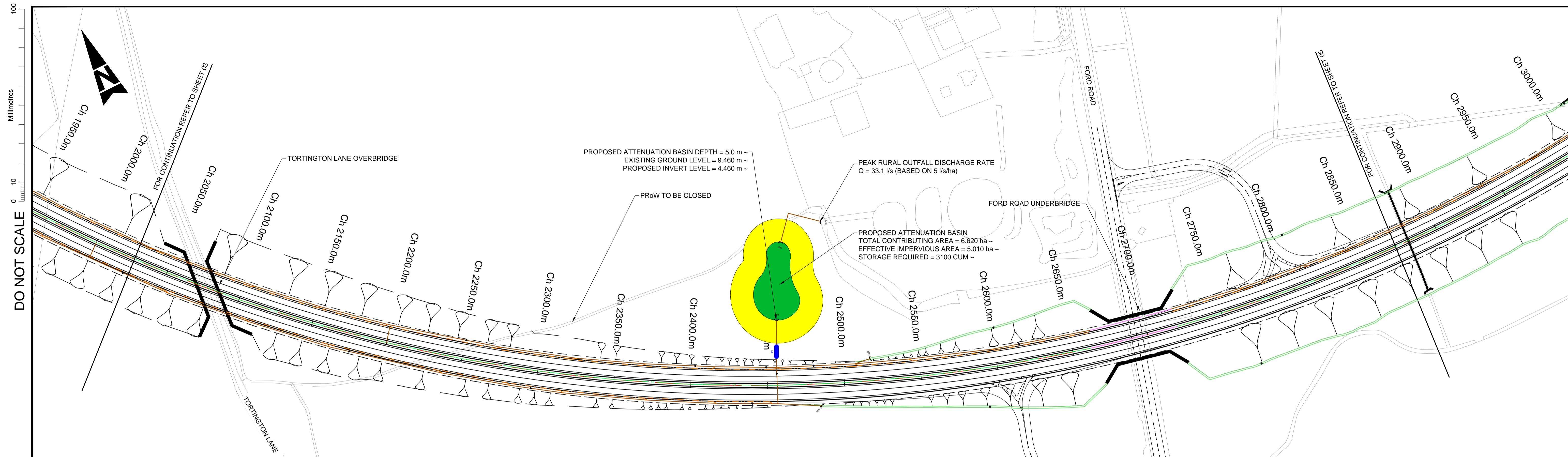
Scale: 1:1250
Original Size: A1

| Drawn | Checked | Approved | Authorised |
|-------|---------|----------|------------|
| TC | DB | BS | --- |

Date: 13/05/16, 18/05/16, 18/05/16

Project: HE551523 - WSP - HDG - A27AR - DR - D - 0303

Project Ref. No.: 3514447G
Revision: P01



NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0300.

KEY:

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

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).

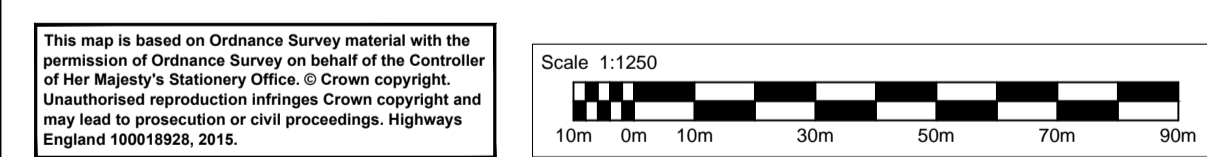
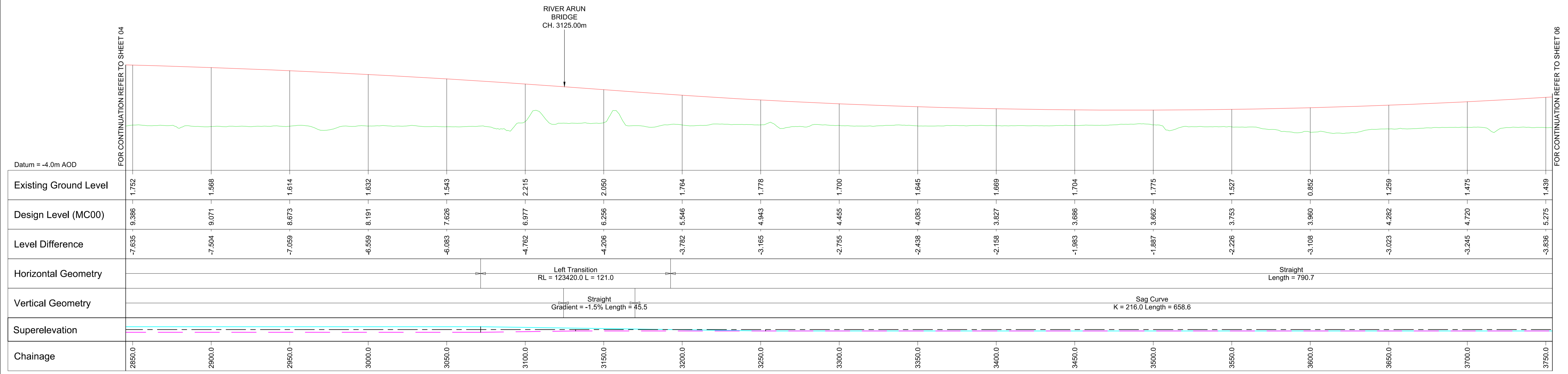
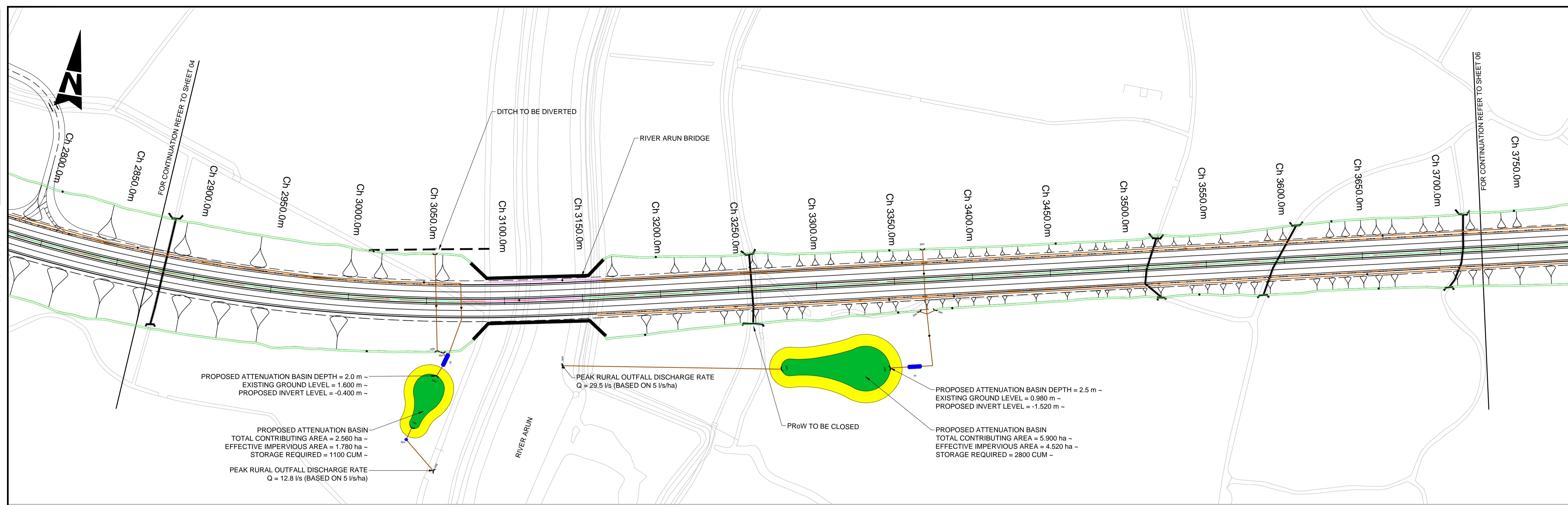
| Construction | Maintenance / Cleaning | Use | Decommissioning / Demolition |
|--------------|------------------------|-----|------------------------------|
| | | | |

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

| | | | | | | |
|--|------------------|---|--|---|------------------------------|--|
| Drawing Status 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 DRAINAGE STRATEGY OPTION 3 SHEET 4 OF 7 | | |
| Scale 1:1250 | Drawn TC | Checked DB | Approved BS | Authorised --- | Project Ref. No. 3514447G | |
| Original Size A1 | Date 13/05/16 | Date 18/05/16 | Date 18/05/16 | Date --- | Revision P01 | |
| Client Working on behalf of highways england | | Drawing Number HE551523 - WSP - HDG - A27AR - DR - D - 0304 | | | | |

DO NOT SCALE

100
10
0
10
Millimetres



NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0300.

KEY:

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

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).

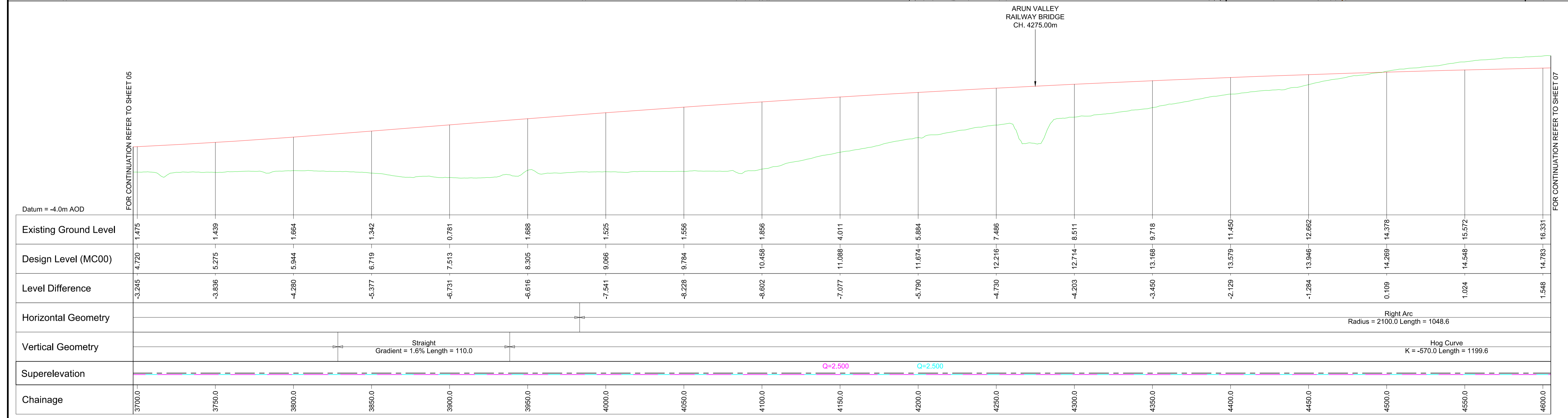
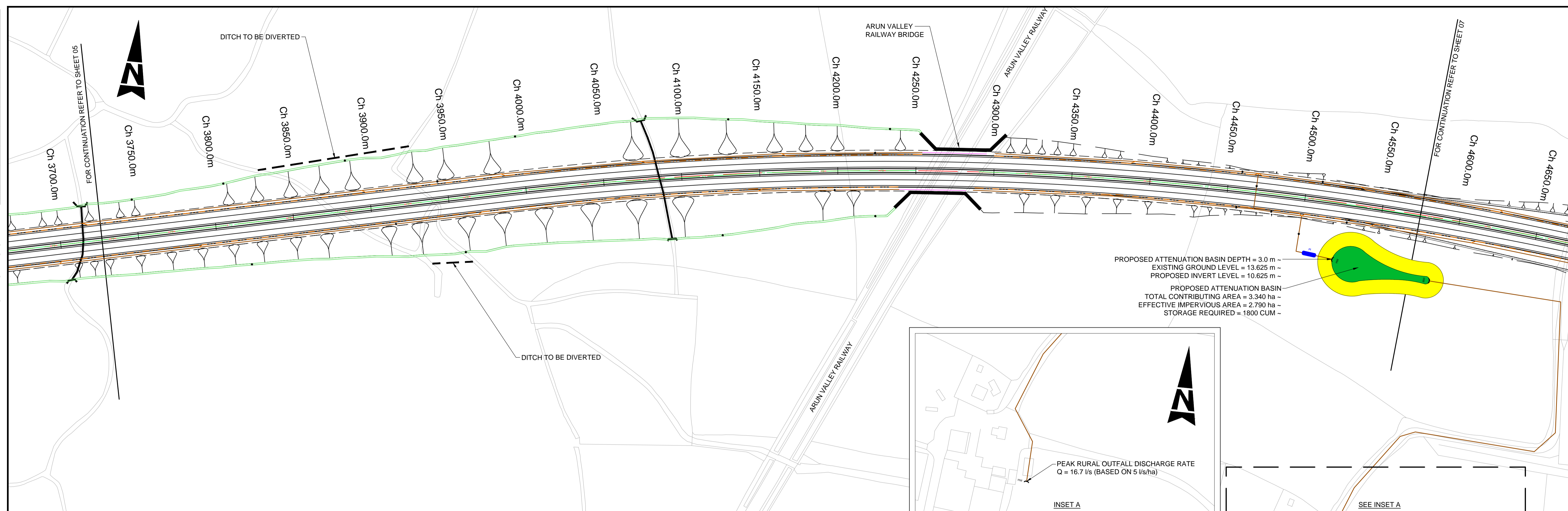
| Construction | Maintenance / Cleaning | Use | Decommissioning / Demolition |
|--------------|------------------------|-----|------------------------------|
| | | | |

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

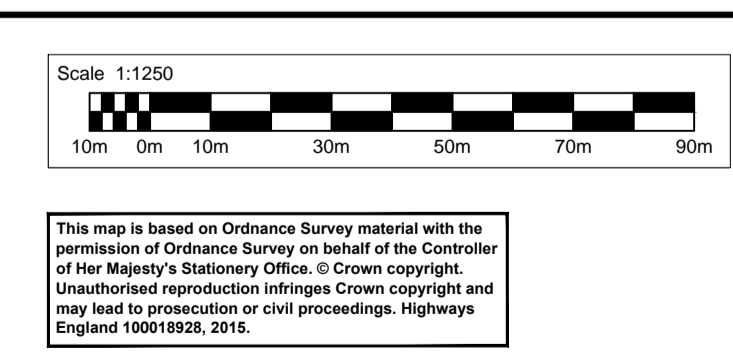
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|---|--|---|---|----------|----------|------------|
| Drawing Status | | Suitability | Project Title | | | |
| FOR INFORMATION | | S2 | REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS | | | |
| | | Westbrook Mills Borough Road Godalming Surrey GU7 2AZ Tel: +44 (0)1483 528400 Fax: +44 (0)1483 528989 www.wsp-pb.co.uk | | | | |
| Client | | 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 - 0305 | | 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



- NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0300.
- 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 | | | |

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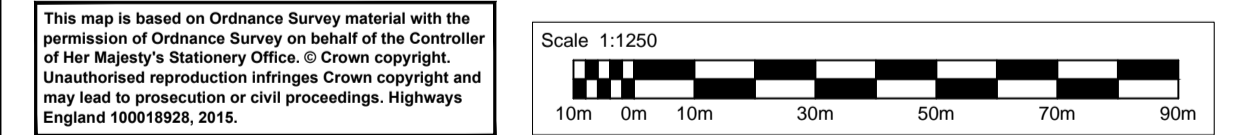
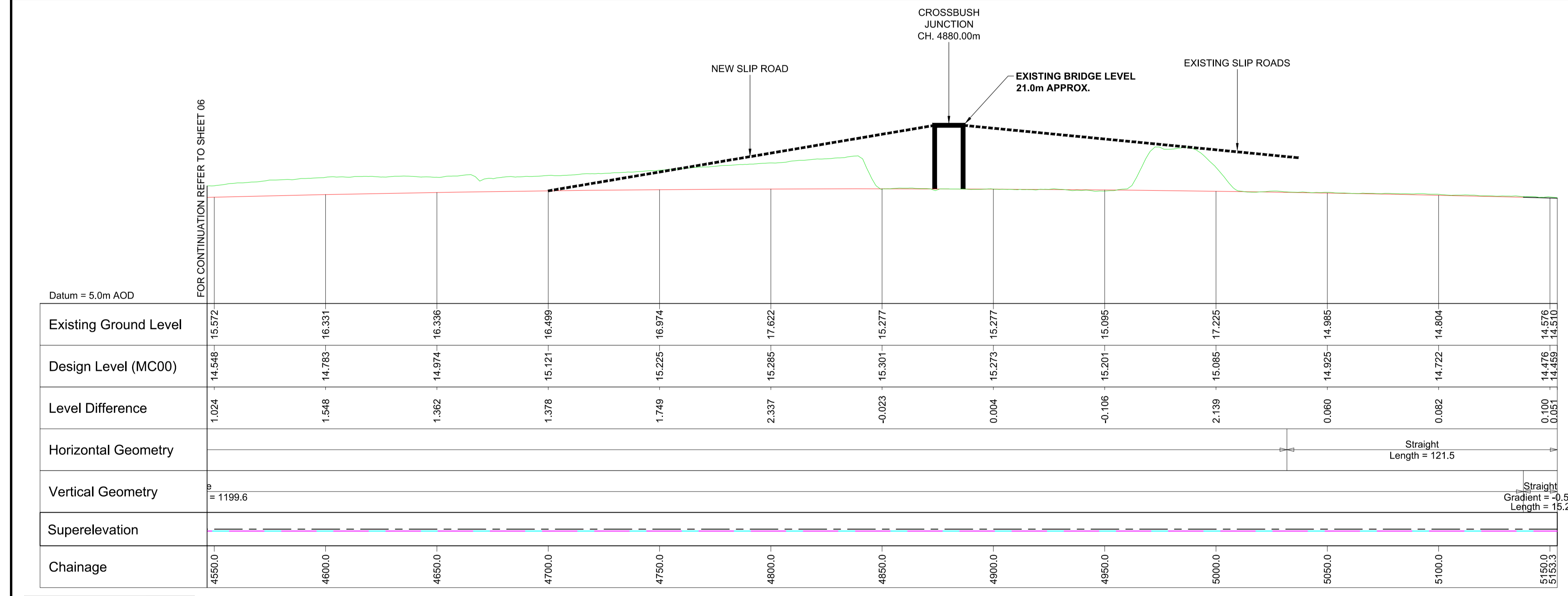
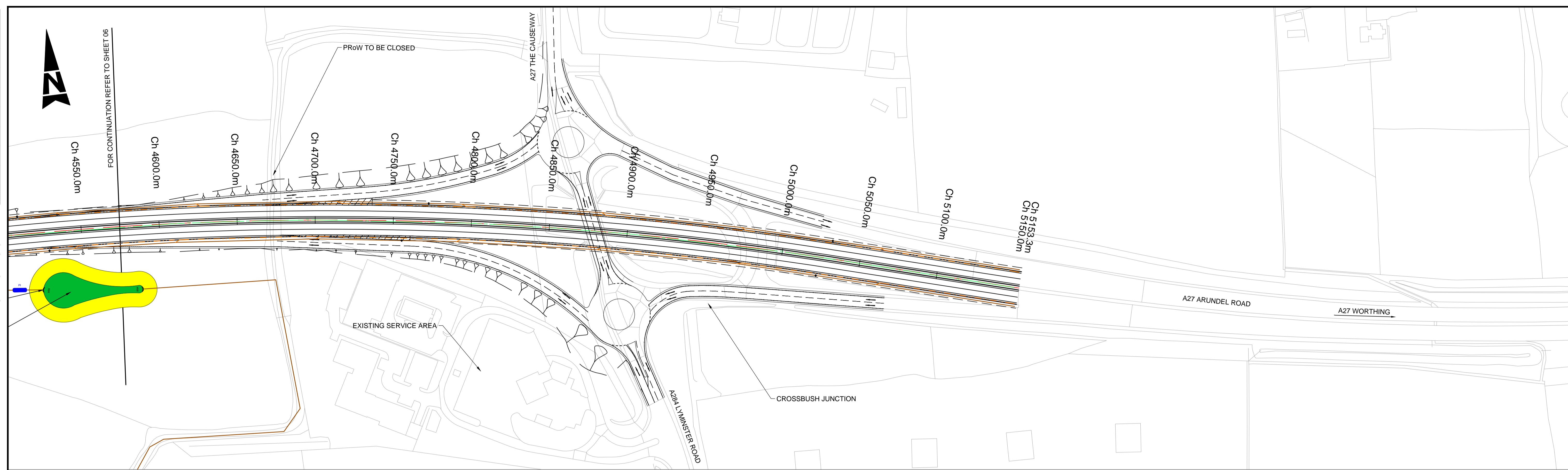
Working on behalf of
highways england

REGIONAL INVESTMENT PROGRAMME
A27 ARUNDEL BYPASS

DRAINAGE STRATEGY
OPTION 3
SHEET 6 OF 7

| | | | | | | | | | |
|----------------|--|-------|----------|--|----------|----------|----------|------------|-----|
| 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 - 0306 | | Project | HE551523 - WSP - HDG - A27AR - DR - D - 0306 | | Volume | 3514447G | | |
| Location | Type | Role | Number | P01 | | Revision | | | |

100
10
0
DO NOT SCALE



NOTES:
1. FOR KEY PLAN REFER TO DRG. NO. HE55123-WSP-HGN-A27AR-DR-D-0300.

- 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 |

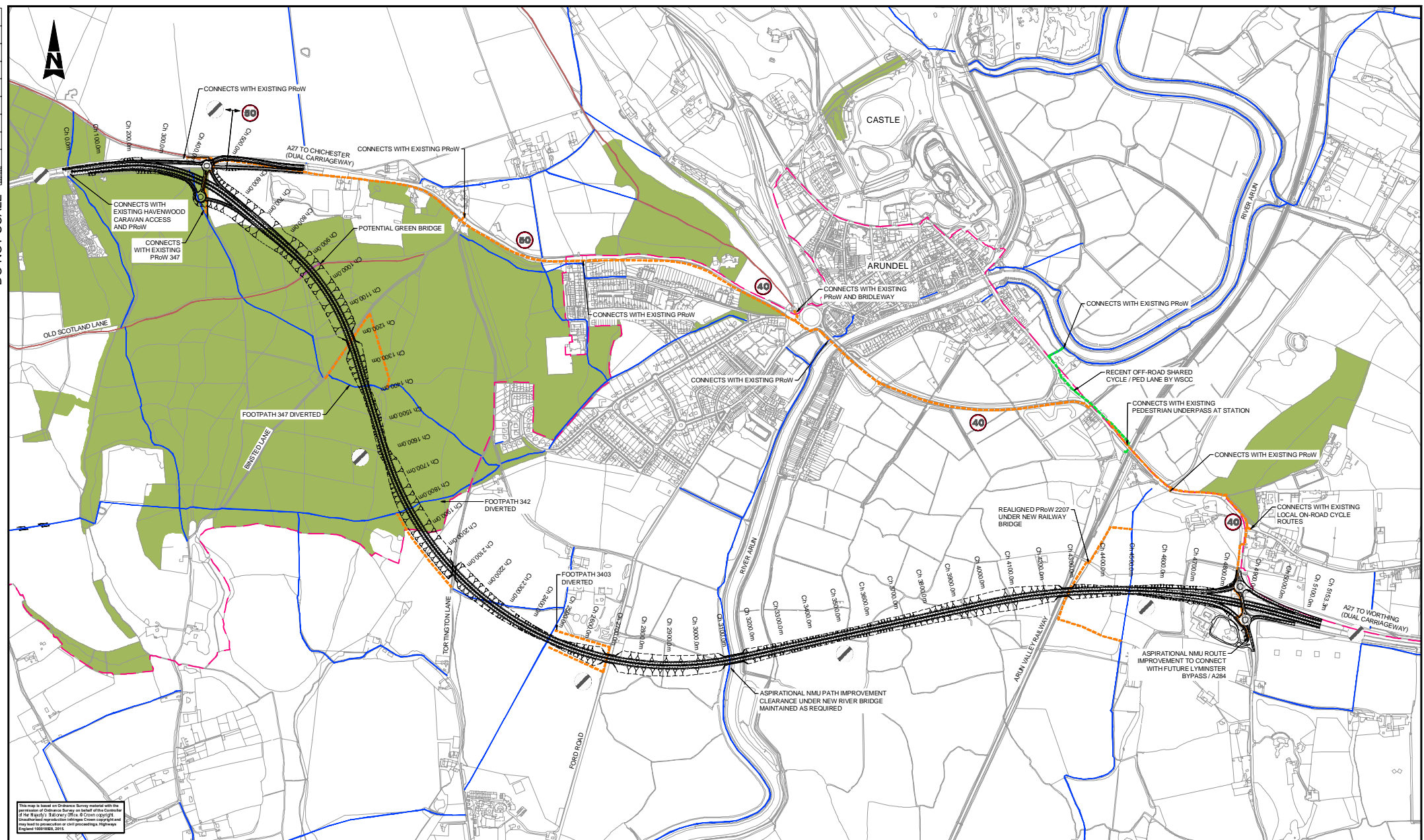
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|---|--|---|---|----------|----------|------------|
| Drawing Status | | Suitability | Project Title | | | |
| FOR INFORMATION | | S2 | REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS | | | |
| | | Westbrook Mills Borough Road Godalming Surrey GU7 2AZ Tel: +44 (0)1483 528400 Fax: +44 (0)1483 528989 www.wsp-pb.co.uk | | | | |
| Client | | 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 - 0307 | | A1 | 13/05/16 | 18/05/16 | 18/05/16 | --- |
| Location | | Drawing Number | Project Ref. No. | | Revision | |
| Type Role Number | | HE551523 - WSP - HDG - A27AR - DR - D - 0307 | 3514447G | | P01 | |

APPENDIX E-4

OPTION 3 - NMU PROPOSALS

DO NOT SCALE

0 10 100
Millimetres



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- 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 LINES
 - ANCIENT WOODLAND
 - SOUTH DOWNS NATIONAL PARK

| 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 | RM | BS |

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

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1483 528 999
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Client: **Working on behalf of**
highways england

| REGIONAL INVESTMENT PROGRAMME A27 ARUNDEL BYPASS | | | | | |
|--|-----------------------|-----------------------|-----------------------------------|------------------------|----------------------|
| Drawing Title: INDICATIVE NMU PROPOSALS ALONG EXISTING A27 FOR OPTION 3 | | | | | |
| Scale: NTS | Drawn: TC | Checked: BS | Approved: BS | Authorized: --- | |
| Original Size: A1 | Date: 08/05/17 | Date: 08/05/17 | Date: 08/05/17 | Date: --- | |
| Drawing Number: 70015214 - WSP - HGN - A27AR - DR - D - 0630 | | | Project Ref. No.: 70019688 | | Revision: P01 |

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