

A63 Castle Street Improvement, Hull

Scheme Number: TR010016
2.7 Drainage Engineering Drawings

APFP Regulation 5(2)(o), 5(2)(p) and 5(4)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009



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Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning
(Applications: Prescribed Forms and
Procedure) Regulations 2009**

**A63 (Castle Street Improvement, Hull)
Development Consent Order 20[]**

DRAINAGE ENGINEERING DRAWINGS

Regulation Number:	Regulations 5(2)(o), 5(2)(p) and Regulation 5(4)
Planning Inspectorate Scheme Reference	TR010016
Application Document Reference	TR010016/APP/2.7
Author:	A63 Castle Street Project Team

Version	Date	Status of Version
Rev 0	September 2018	Application Issue
Rev 1	June 2019	Amendments for the Removal of Compound Option B and YW rising main
Rev 2	August 2019	Deadline 5
<u>Rev 3</u>	<u>September 2019</u>	<u>Footway and Cycleway Amendments</u>

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1 INTRODUCTION

1.1 These Drainage Engineering Drawings (these "Plans") relate to an application made by Highways England (the "Applicant") to the Planning Inspectorate (the Inspectorate) under section 37 of the Planning Act 2008 (the "2008 Act") for a Development Consent Order (DCO). If made, the DCO would grant consent for the Applicant to undertake the A63 (Castle Street Improvement, Hull) (the "Scheme"). A detailed description of the Scheme can be found in the **Environmental Statement (Application Document Reference TR010016/APP/6.1)**.

1.2 These Plans comprise part of the suite of Application documentation and are included in the Application in compliance with Regulation 5(2)(o), Regulation 5(2)(p) and Regulation 5(4) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009. These Regulations require that the application is accompanied by:

5(2)(o) "any other plans, drawings and sections necessary to describe the proposals for which development consent is sought, showing details of design, external appearance, and the preferred layout of buildings or structures, drainage, surface water management, means of vehicular and pedestrian access, any car parking to be provided, and means of landscaping;"

5(2)(p) "any of the documents prescribed by regulation 6 which are relevant to the particular project;"

5(4) "Where a plan comprises three or more separate sheets a key plan must be provided showing the relationship between the different sheets"

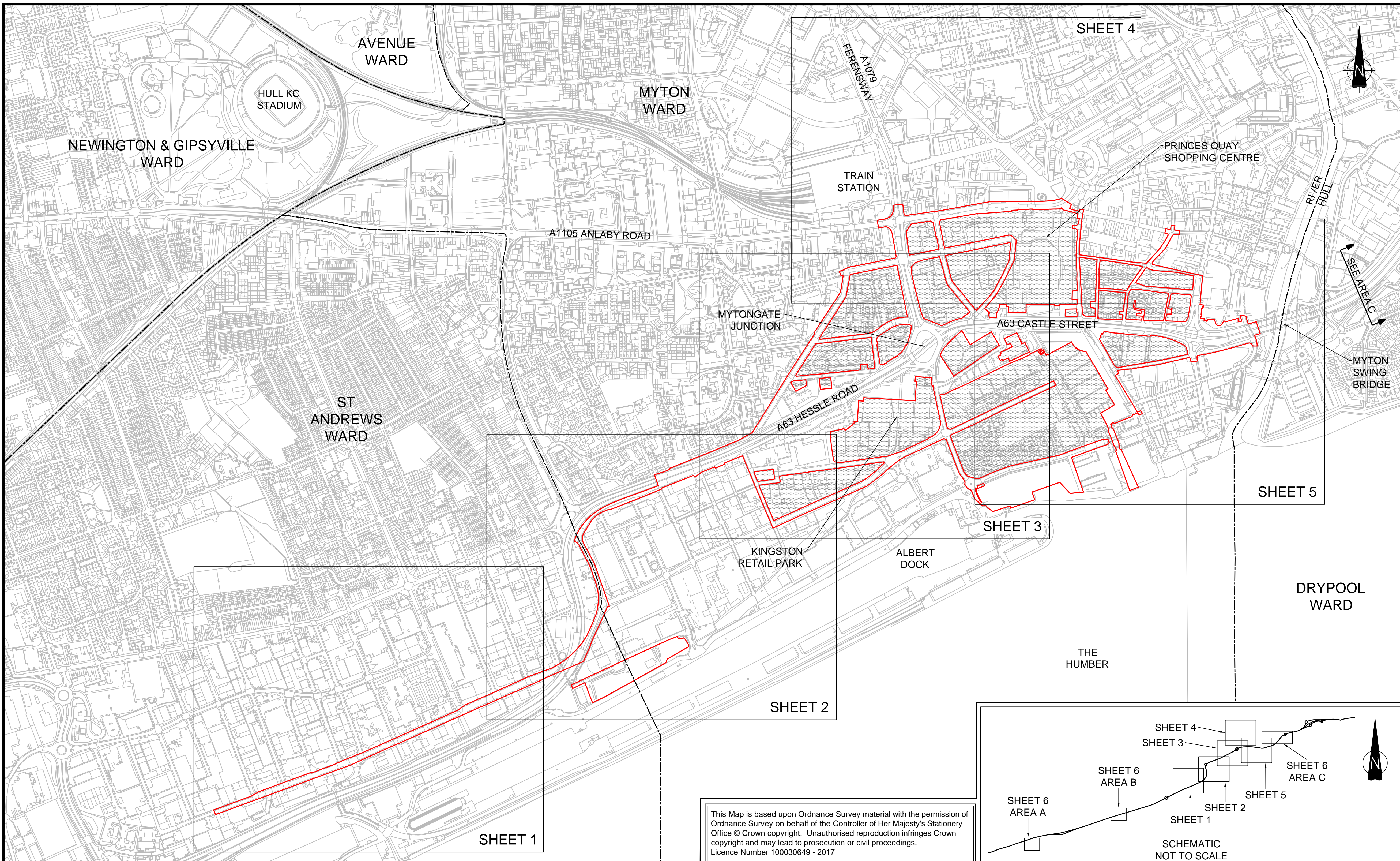
1.3 As these Plans are part of the Application documentation, they should be read alongside and are informed by the other Application documents. In particular, the Plans should be read alongside Schedule 1 of the **Draft Development Consent Order (Application Document Reference TR010016/APP/3.1)** and the **Works Plans (Application Document Reference TR010016/APP/2.4)**.

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2 SCHEDULE OF PLANS INCLUDED IN THIS APPLICATION DOCUMENT

Drawing Title	Drawing Number	Revision
Drainage Engineering Drawings Regulation 5(4) Key Plan	TR010016/APP/2.7(A)	32
Drainage Engineering Drawings Regulations 5(2)(o) and 5(2)(p) – Sheet 1 of 6	TR010016/APP/2.7(B)	32
Drainage Engineering Drawings Regulation 5(2)(o) and 5(2)(p) - Sheet 2 of 6	TR010016/APP/2.7(C)	32
Drainage Engineering Drawings Regulations 5(2)(o) and 5(2)(p) Sheet 3 of 6	TR010016/APP/2.7(D)	32
Drainage Engineering Drawings Regulations 5(2)(o) and 5(2)(p) - Sheet 4 of 6	TR010016/APP/2.7(E)	32
Drainage Engineering Drawings Regulations 5(2)(o) and 5(2)(p) - Sheet 5 of 6	TR010016/APP/2.7(F)	32
Drainage Engineering Drawings Regulations 5(2)(o) and 5(2)(p) - Sheet 6 of 6	TR010016/APP/2.7(G)	32

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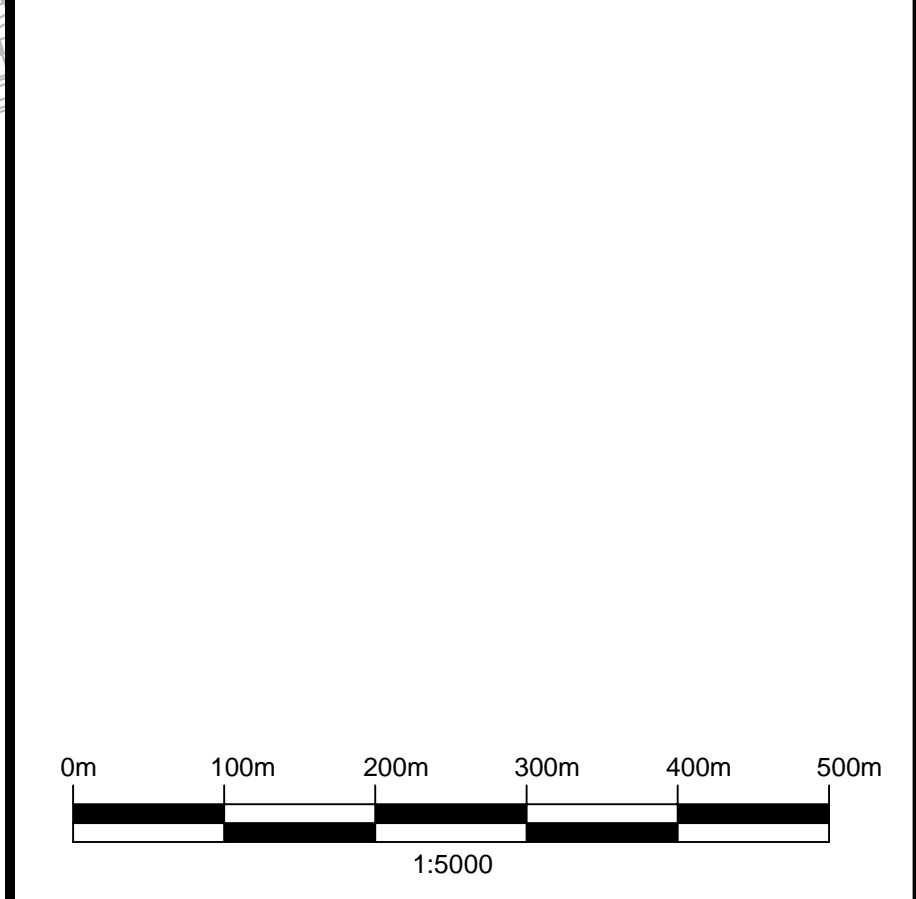


NOTES

- ALL DIMENSIONS IN METRES UNLESS STATED OTHERWISE
- THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER

KEY

- ORDER LIMITS
- WARD BOUNDARIES
- AREA NOT INCLUDED IN THE ORDER LIMITS



Rev.	Date	Amendment Details	Drawn	Chk'd	App'd
3	20/09/19	FOOTWAY AND CYCLEWAY UPDATES	AK	JE	JDH
2	05/08/19	DEADLINE 5	AK	JE	JDH
1	09/05/19	AMENDMENTS FOR THE REMOVAL OF COMPOUND OPTION B AND THE YW RISING MAIN	OH	JDH	CS
0	20/09/18	APPLICATION ISSUE	OH	JDH	JFM

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Client **highways england**

Drawing Status **SHARED**

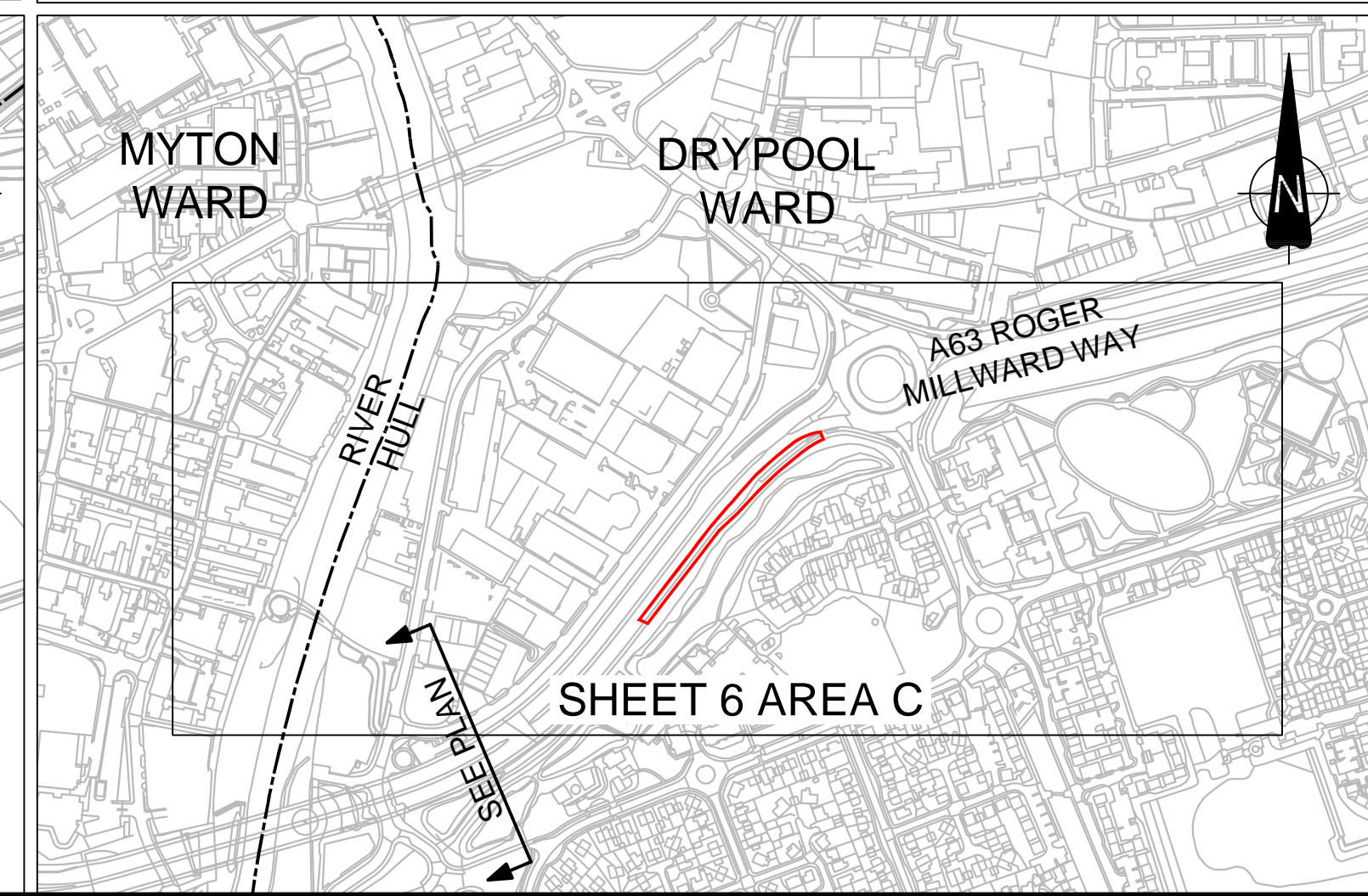
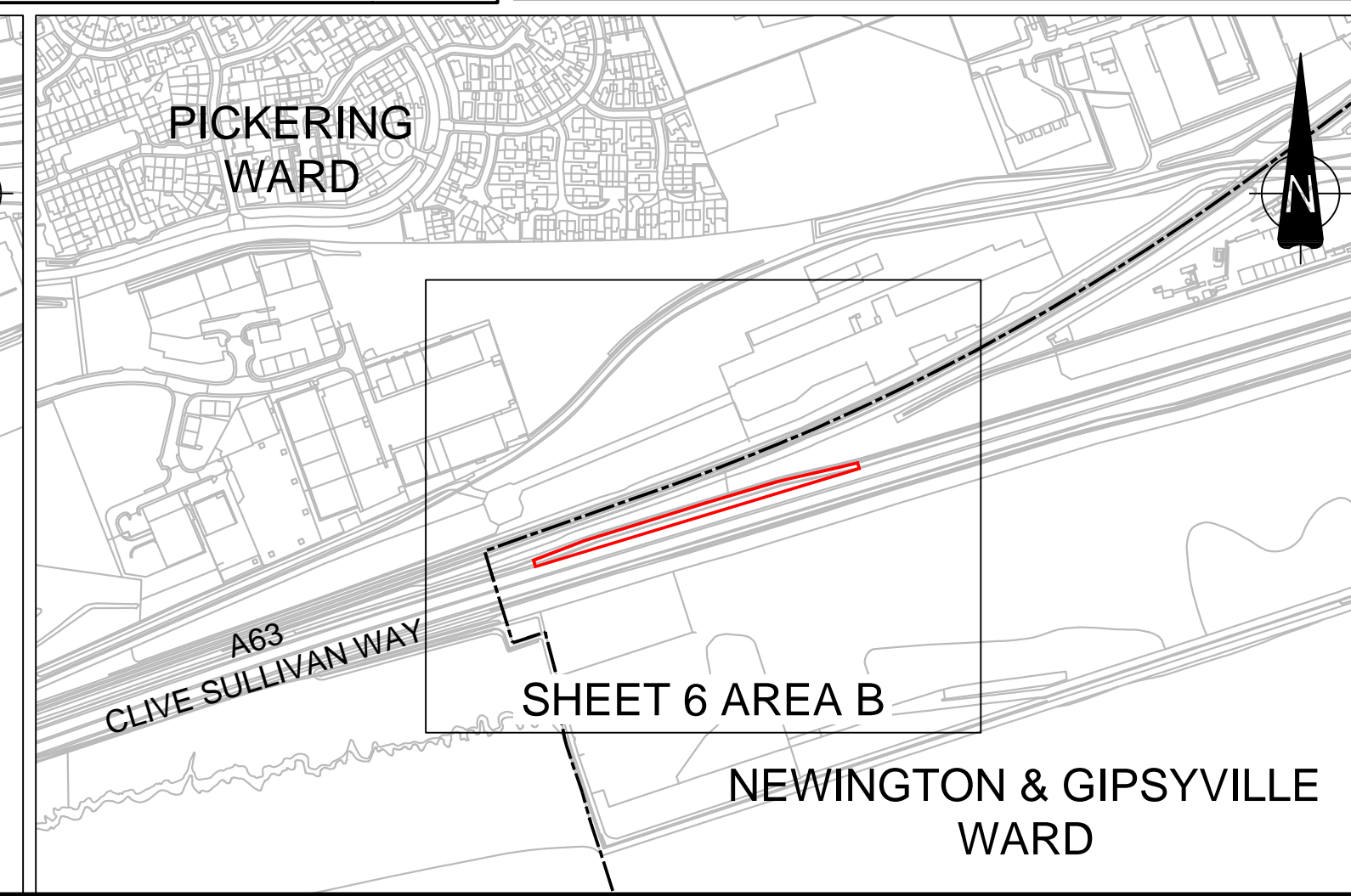
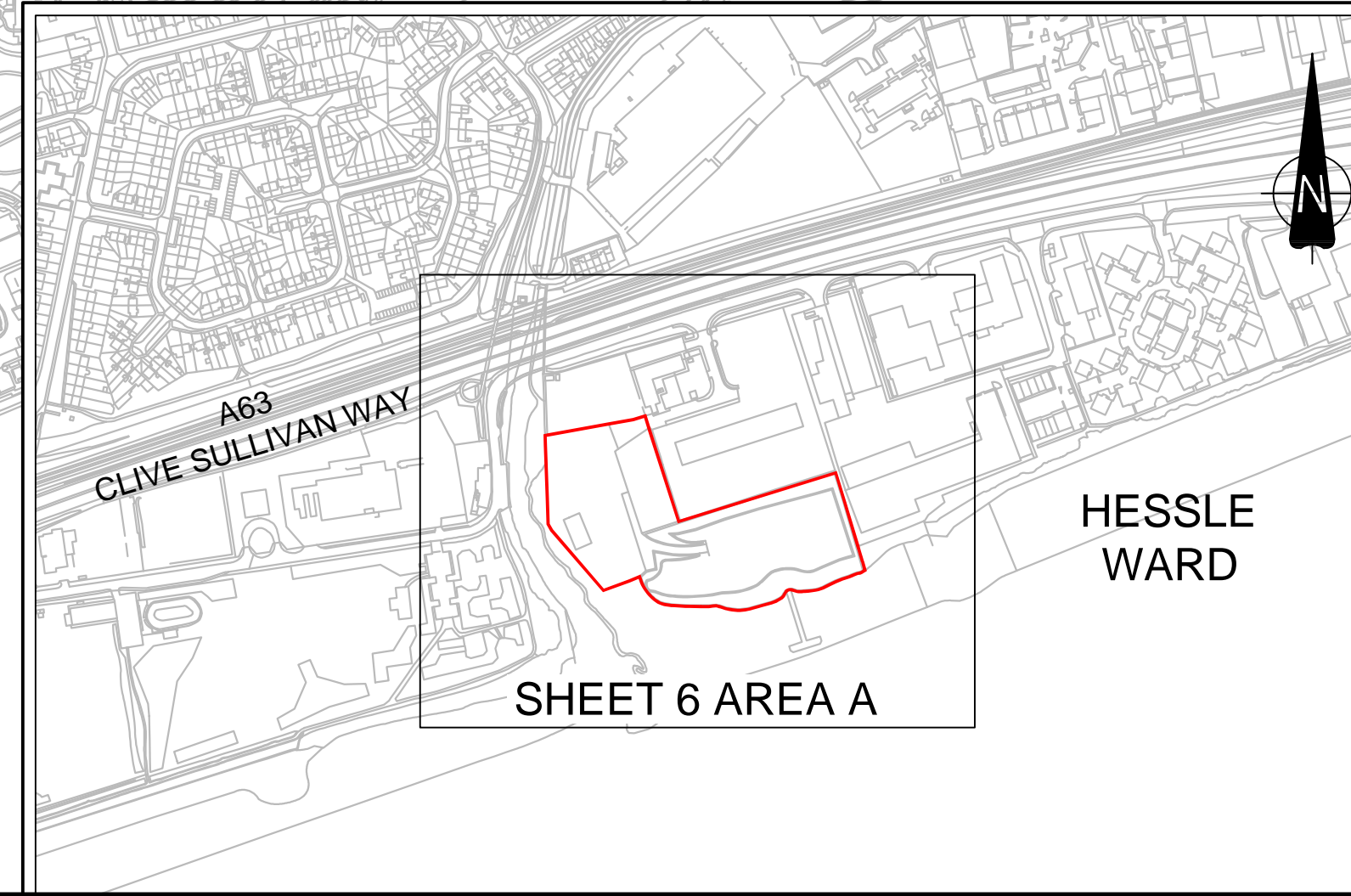
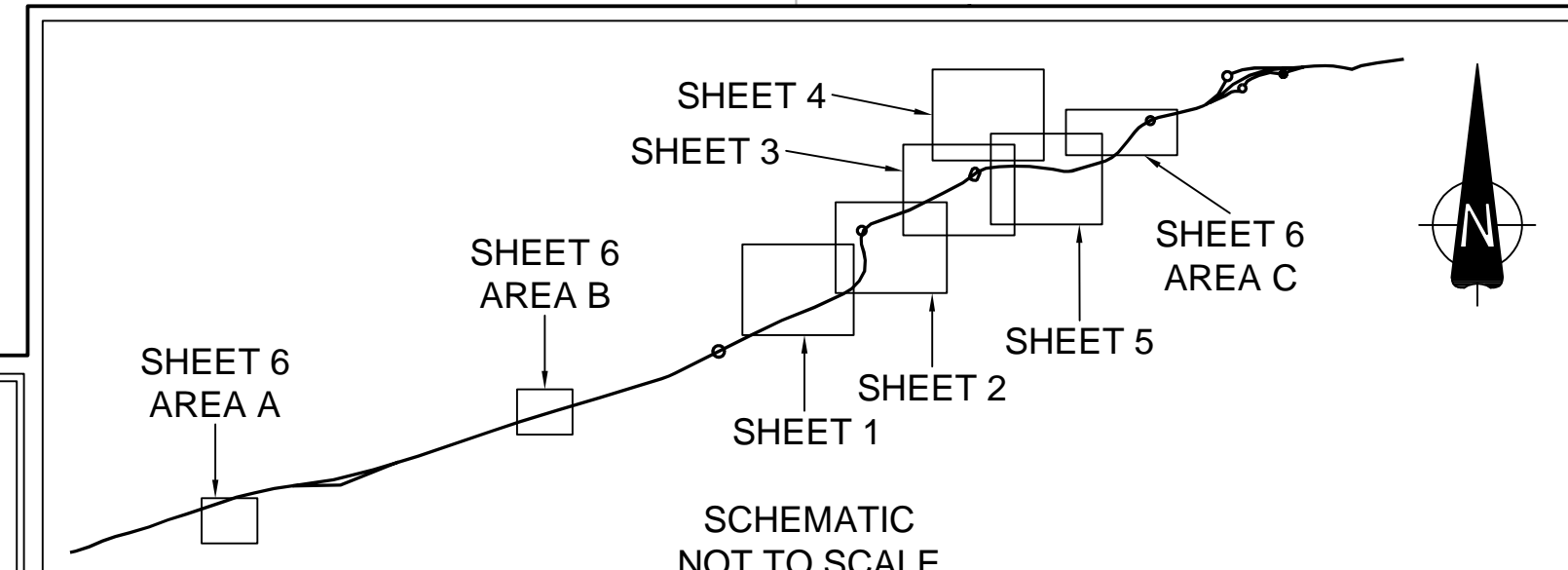
Project Title **A63 (CASTLE STREET IMPROVEMENT, HULL)**

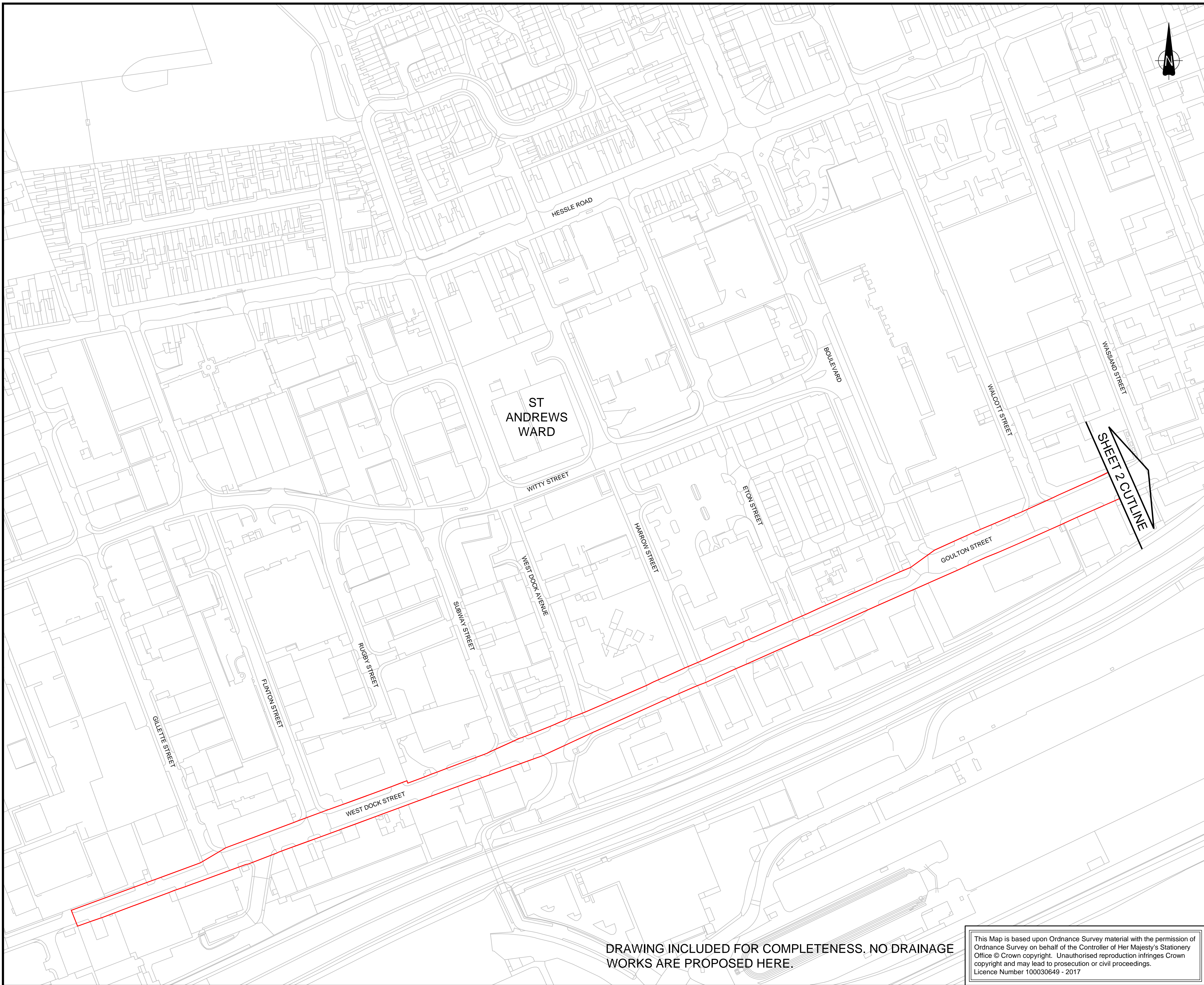
Drawing Title **DRAINAGE ENGINEERING DRAWINGS REGULATION 5(4) KEY PLAN**

Scale	Designed	Drawn	Checked	Approved
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Original Size	Date	Date	Date	Date
A1	20/09/18	20/09/18	20/09/18	20/09/18

Drawing Number **TR010016/APP/2.7(A)** Revision **3**

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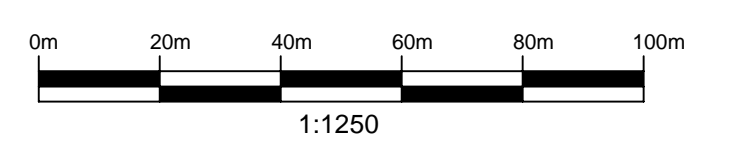
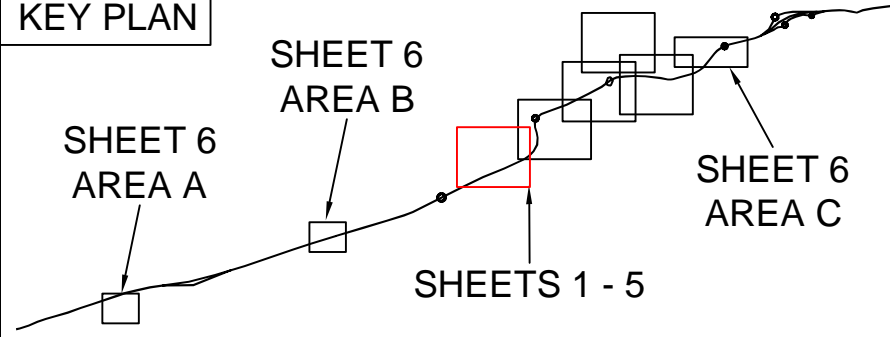
NOTES

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KEY

— ORDER LIMITS

KEY PLAN



3	20/09/19	FOOTWAY AND CYCLEWAY UPDATES	AK	JE	JDH
2	05/08/19	DEADLINE 5	AK	JE	JDH
1	09/05/19	AMENDMENTS FOR THE REMOVAL OF COMPOUND OPTION B AND THE YW RISING MAIN	OH	JDH	CS
0	20/09/18	APPLICATION ISSUE	OH	JDH	JFM
Rev.	Date	Amendment Details	Drawn	Chk'd	App'd

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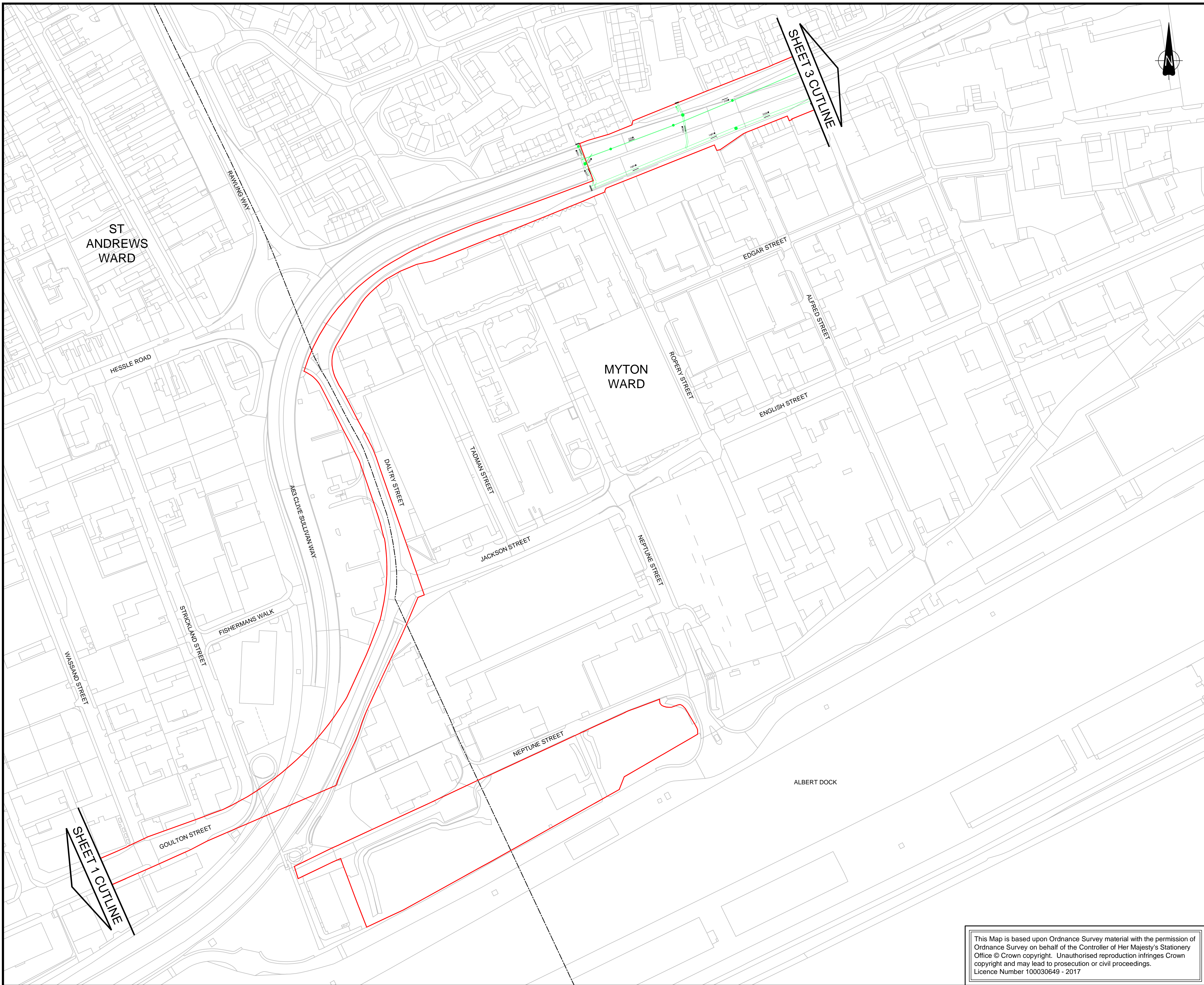
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Original Size	Date	Date	Date	Date
A1	20/09/18	20/09/18	20/09/18	20/09/18

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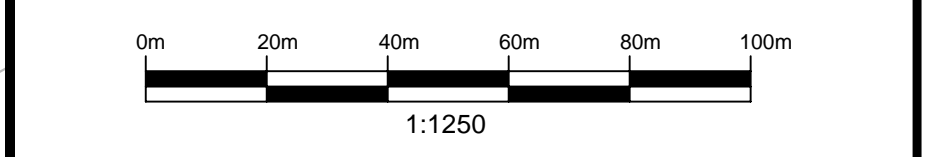
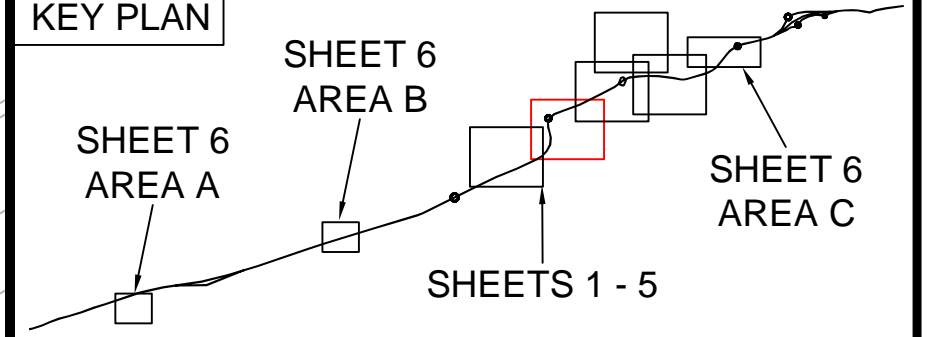
NOTES

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KEY

- ORDER LIMITS
- - - WARD BOUNDARIES
- EXISTING YORKSHIRE WATER PIPE TO BE RETAINED
- EXISTING CHAMBER TO BE RETAINED
- 1:000 (2250) — PIPE REFERENCE (DIAMETER OF PIPE)
- 10:1500(61) — NETWORK REFERENCE (MANHOLE REFERENCE)
- FLOW DIRECTION ARROW

KEY PLAN



3	20/09/19	FOOTWAY AND CYCLEWAY UPDATES	AK	JE	JDH
2	05/08/19	DEADLINE 5	AK	JE	JDH
1	09/05/19	AMENDMENTS FOR THE REMOVAL OF COMPOUND OPTION B AND THE YW RISING MAIN	OH	JDH	CS
0	20/09/18	APPLICATION ISSUE	OH	JDH	JFM
Rev.	Date	Amendment Details	Drawn	Chk'd	App'd

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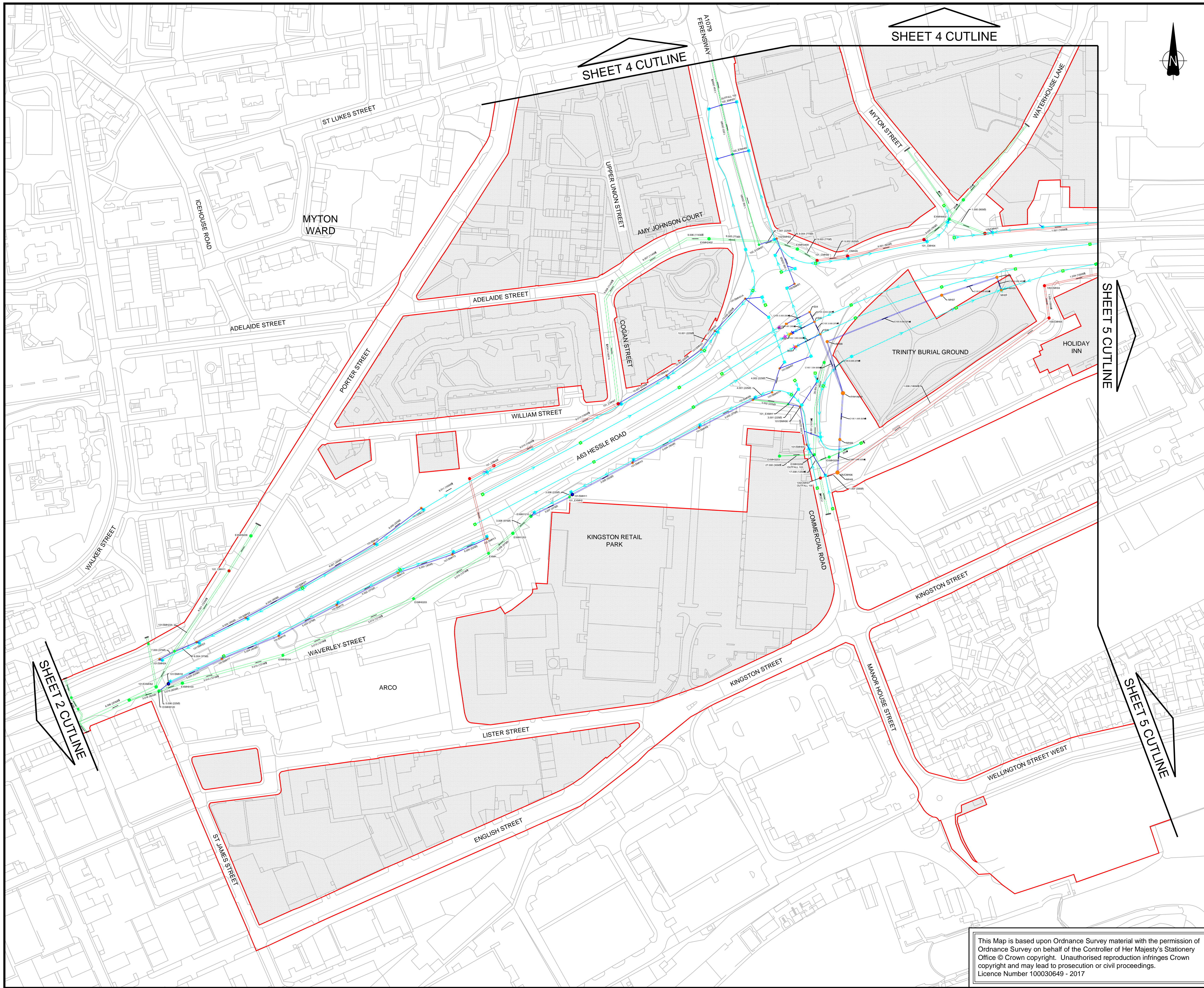
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Drawing Title: **DRAINAGE ENGINEERING DRAWINGS REGULATIONS 5(2)(o) AND 5(2)(p) SHEET 2 OF 6**

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Original Size	Date	Date	Date	Date
A1	20/09/18	20/09/18	20/09/18	20/09/18

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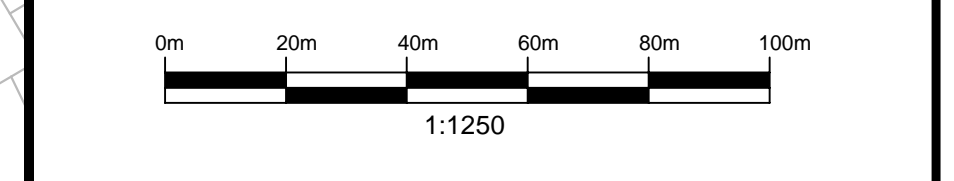
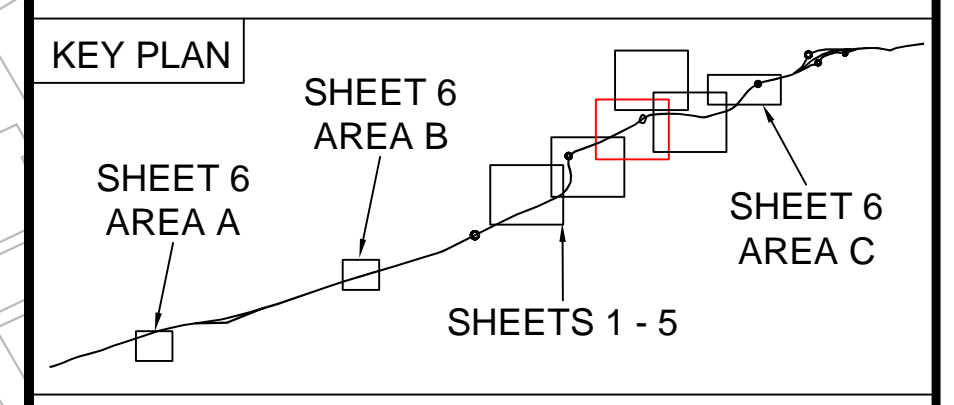


NOTES

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KEY

- ORDER LIMITS
- AREA NOT INCLUDED IN THE ORDER LIMITS
- PROPOSED CARRIER PIPE
- EXISTING YORKSHIRE WATER PIPE TO BE RETAINED
- PROPOSED YORKSHIRE WATER PIPE DIVERSION
- COMBINED KERB AND DRAINAGE (CKD)
- 150mm CKD OUTFALL PIPE
- PROPOSED CHAMBER
- EXISTING CHAMBER TO BE RETAINED
- PROPOSED YORKSHIRE WATER DIVERSION CHAMBER
- FLOW CONTROL CHAMBER
- PUMP / INTERCEPTOR
- CKD OUTFALL (DETAIL 2)
- CKD ACCESS UNIT (DETAIL 3)
- CKD FLOW ARROW
- CKD HIGH POINT
- CKD LOW POINT
- PIPE REFERENCE (DIAMETER OF PIPE)
- NETWORK REFERENCE (MANHOLE REFERENCE)
- FLOW DIRECTION ARROW
- COMBINED KERB DRAINAGE DETAIL



3	20/09/19	FOOTWAY AND CYCLEWAY UPDATES	AK	JE	JDH
2	05/08/19	DEADLINE 5	AK	JE	JDH
1	09/05/19	AMENDMENTS FOR THE REMOVAL OF COMPOUND OPTION B AND THE YW RISING MAIN	OH	JDH	CS
0	20/09/18	APPLICATION ISSUE	OH	JDH	JFM
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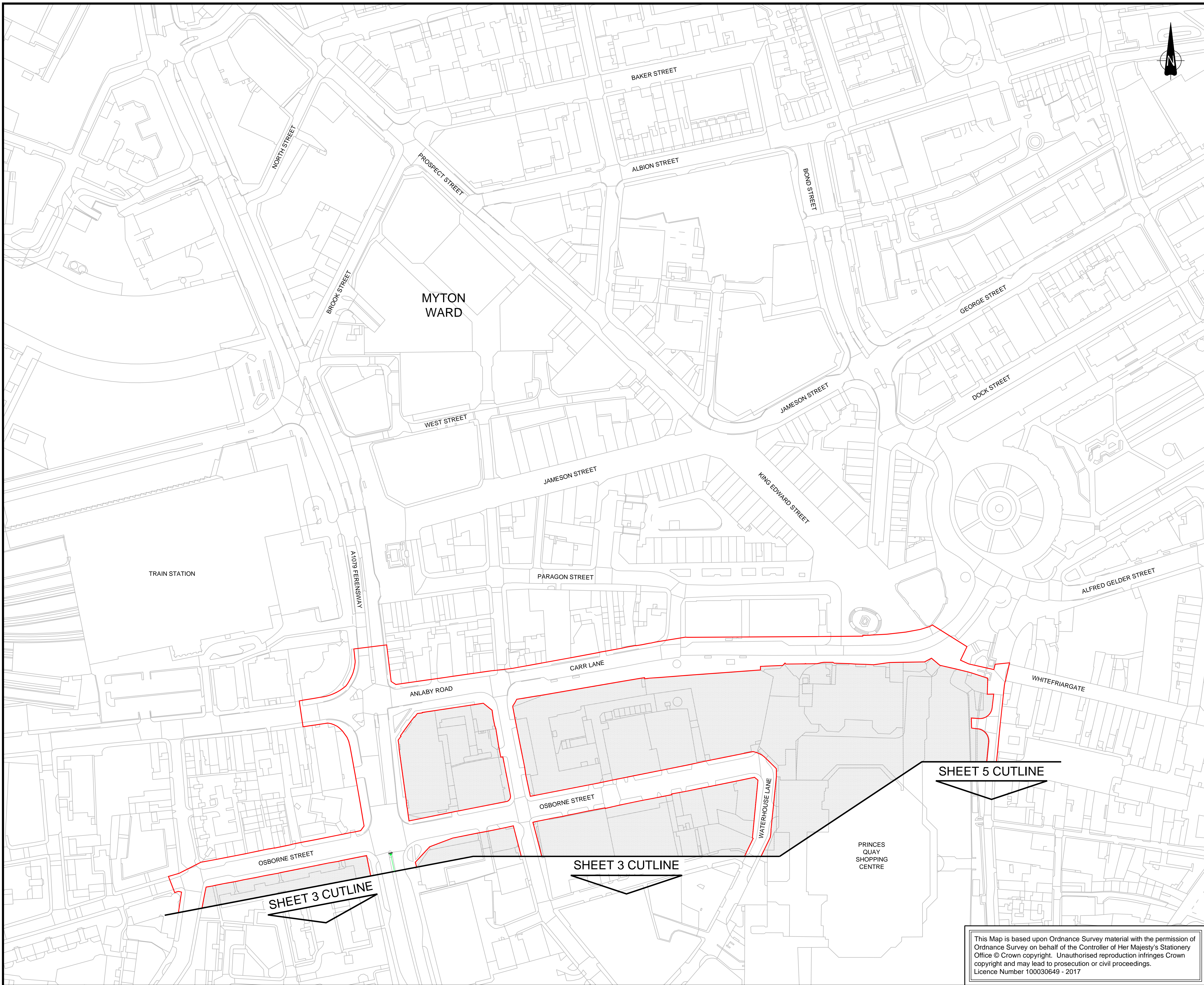
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Project Title: **A63 (CASTLE STREET IMPROVEMENT, HULL)**

Drawing Title: **DRAINAGE ENGINEERING DRAWINGS REGULATIONS 5(2)(o) AND 5(2)(p) SHEET 3 OF 6**

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Original Size	A1	Date	20/09/18	Date	20/09/18	Date	20/09/18	Date	20/09/18	
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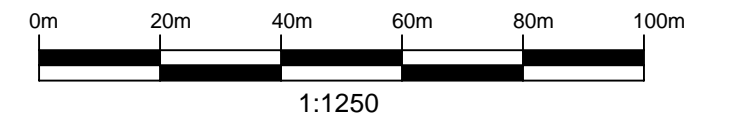
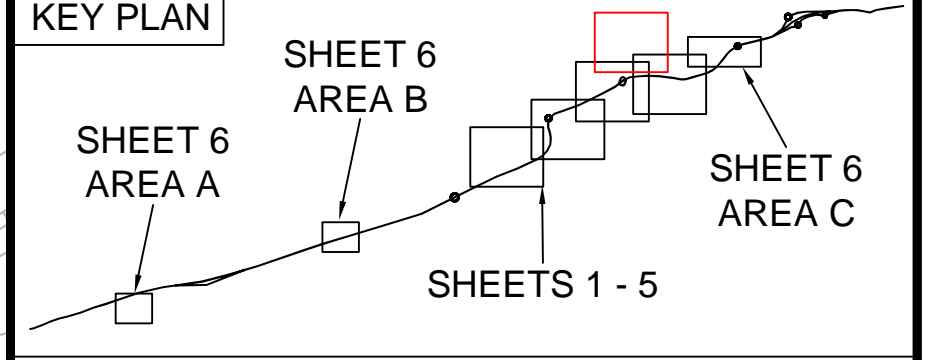
NOTES

1. ALL DIMENSIONS IN METRES UNLESS STATED OTHERWISE
2. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER

KEY

- ORDER LIMITS
- AREA NOT INCLUDED IN THE ORDER LIMITS
- EXISTING YORKSHIRE WATER PIPE TO BE RETAINED
- EXISTING CHAMBER TO BE RETAINED

KEY PLAN



3	20/09/19	FOOTWAY AND CYCLEWAY UPDATES	AK	JE	JDH
2	05/08/19	DEADLINE 5	AK	JE	JDH
1	09/05/19	AMENDMENTS FOR THE REMOVAL OF COMPOUND OPTION B AND THE YW RISING MAIN	OH	JDH	CS
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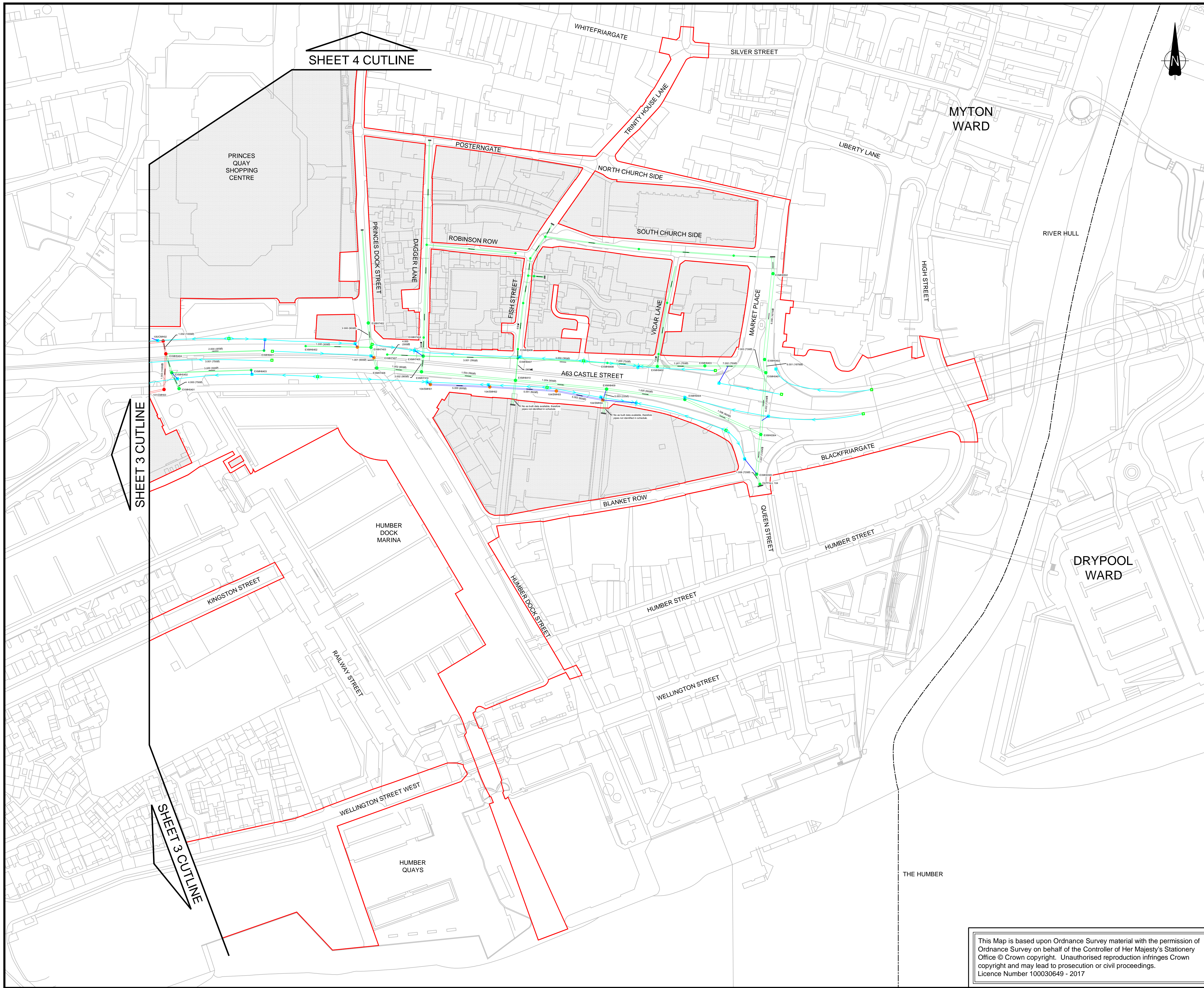
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Project Title: **A63 (CASTLE STREET IMPROVEMENT, HULL)**

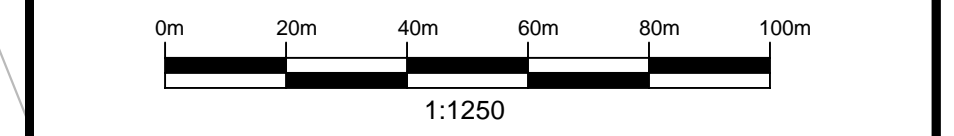
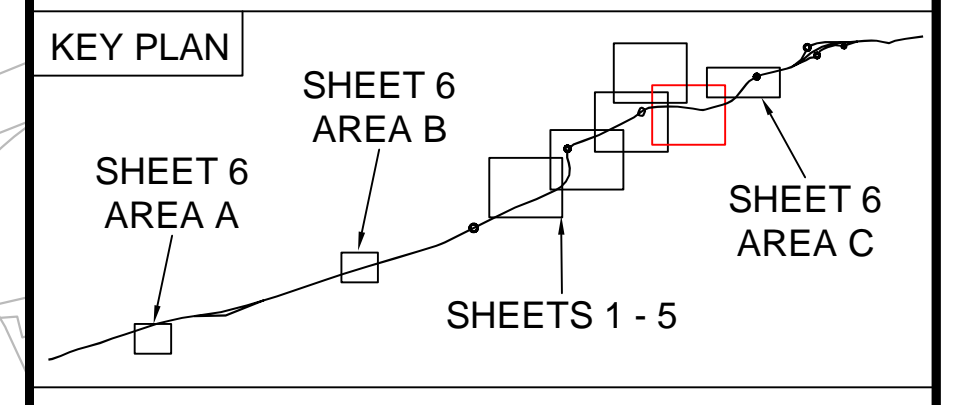
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Original Size	A1	Date	20/09/18	Date	20/09/18	Date	20/09/18	Date	20/09/18	
Drawing Number	TR010016/APP/2.7(E)								Revision	3

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- ### KEY
- ORDER LIMITS
 - WARD BOUNDARIES
 - AREA NOT INCLUDED IN THE ORDER LIMITS
 - PROPOSED CARRIER PIPE
 - EXISTING YORKSHIRE WATER PIPE TO BE RETAINED
 - PROPOSED YORKSHIRE WATER PIPE DIVERSION
 - COMBINED KERB AND DRAINAGE (CKD)
 - 150mm CKD OUTFALL PIPE
 - PROPOSED CHAMBER
 - EXISTING CHAMBER TO BE RETAINED
 - PROPOSED YORKSHIRE WATER DIVERSION CHAMBER
 - CKD OUTFALL (DETAIL 2)
 - CKD ACCESS UNIT (DETAIL 3)
 - CKD FLOW ARROW
 - CKD HIGH POINT
 - CKD LOW POINT
 - PIPE REFERENCE (DIAMETER OF PIPE)
 - NETWORK REFERENCE (MANHOLE REFERENCE)
 - FLOW DIRECTION ARROW



3	20/09/19	FOOTWAY AND CYCLEWAY UPDATES	AK	JE	JDH
2	05/08/19	DEADLINE 5	AK	JE	JDH
1	09/05/19	AMENDMENTS FOR THE REMOVAL OF COMPOUND OPTION B AND THE YW RISING MAIN	OH	JDH	CS
0	20/09/18	APPLICATION ISSUE	OH	JDH	JFM
Rev.	Date	Amendment Details	Drawn	Chk'd	App'd

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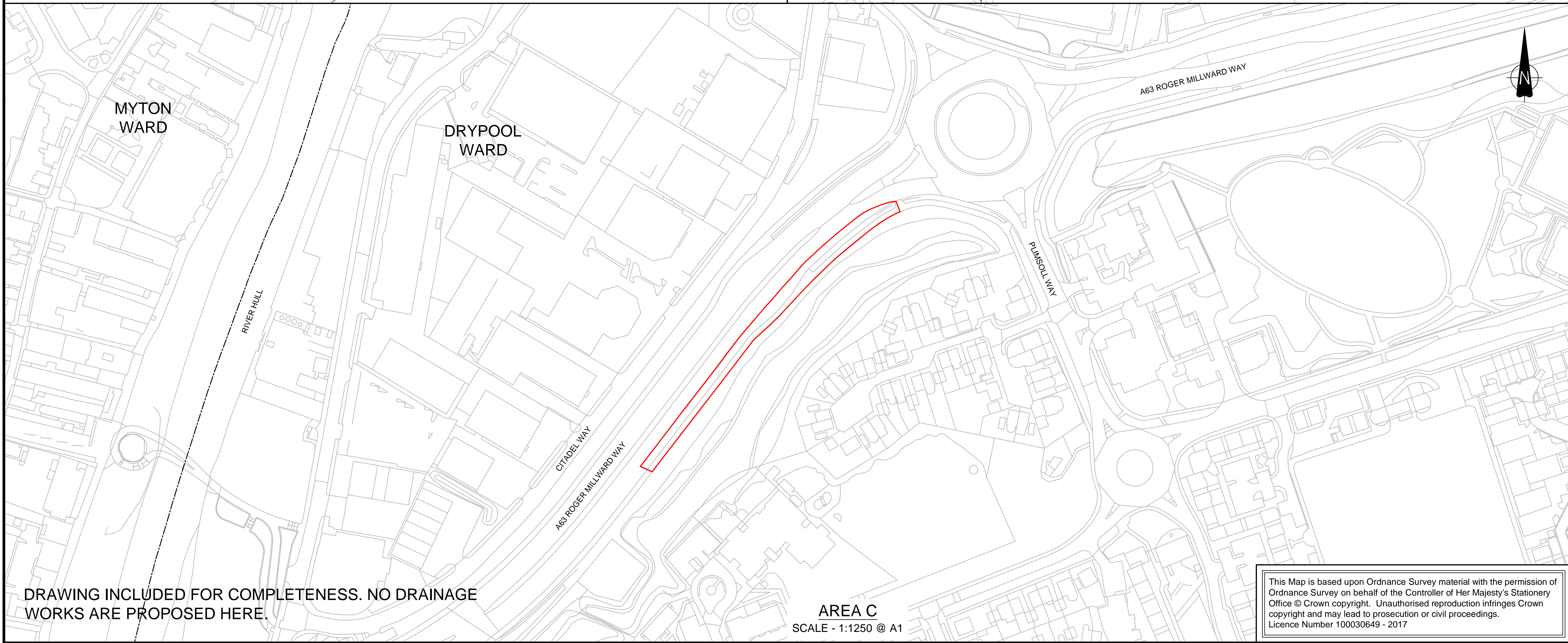
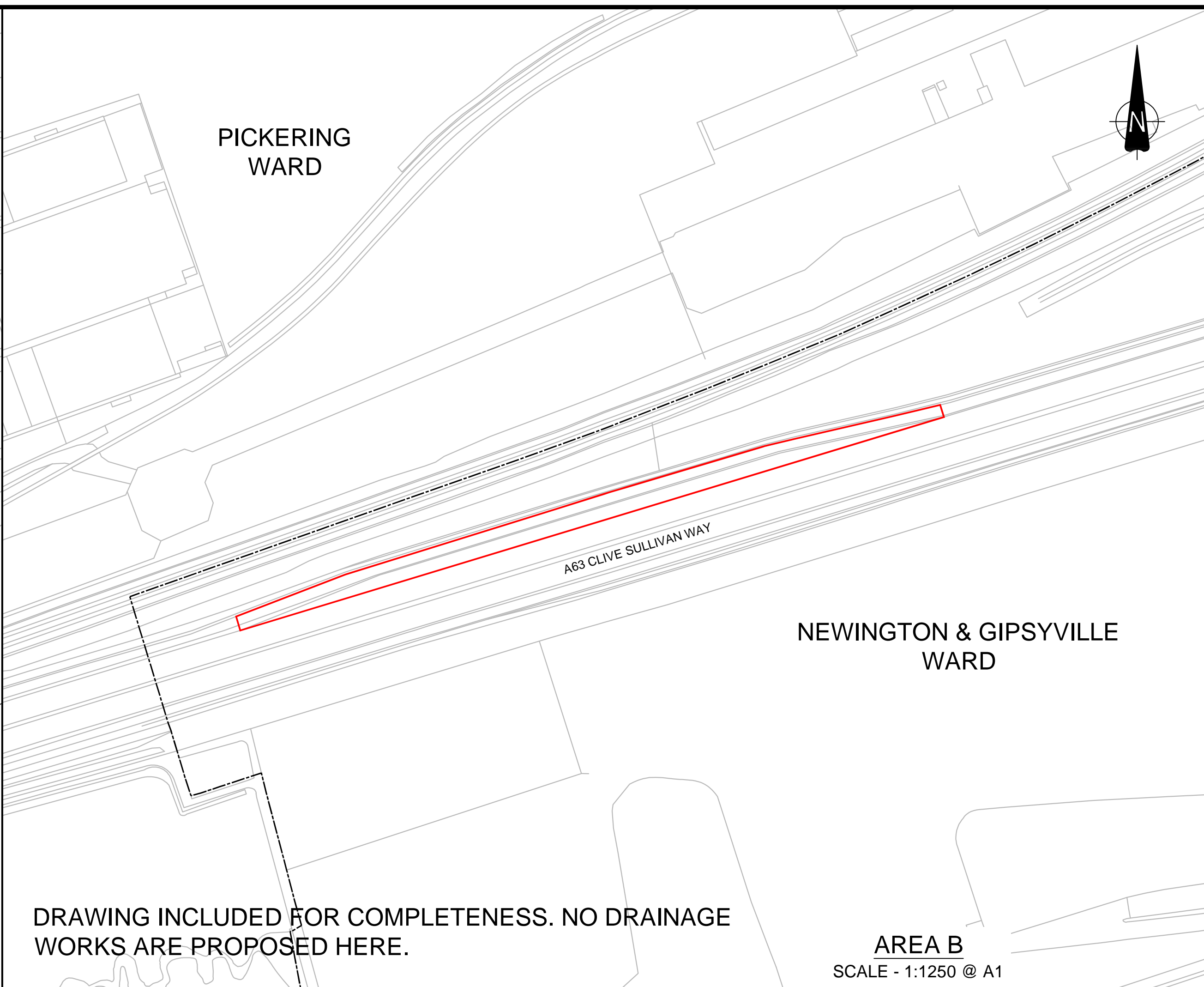
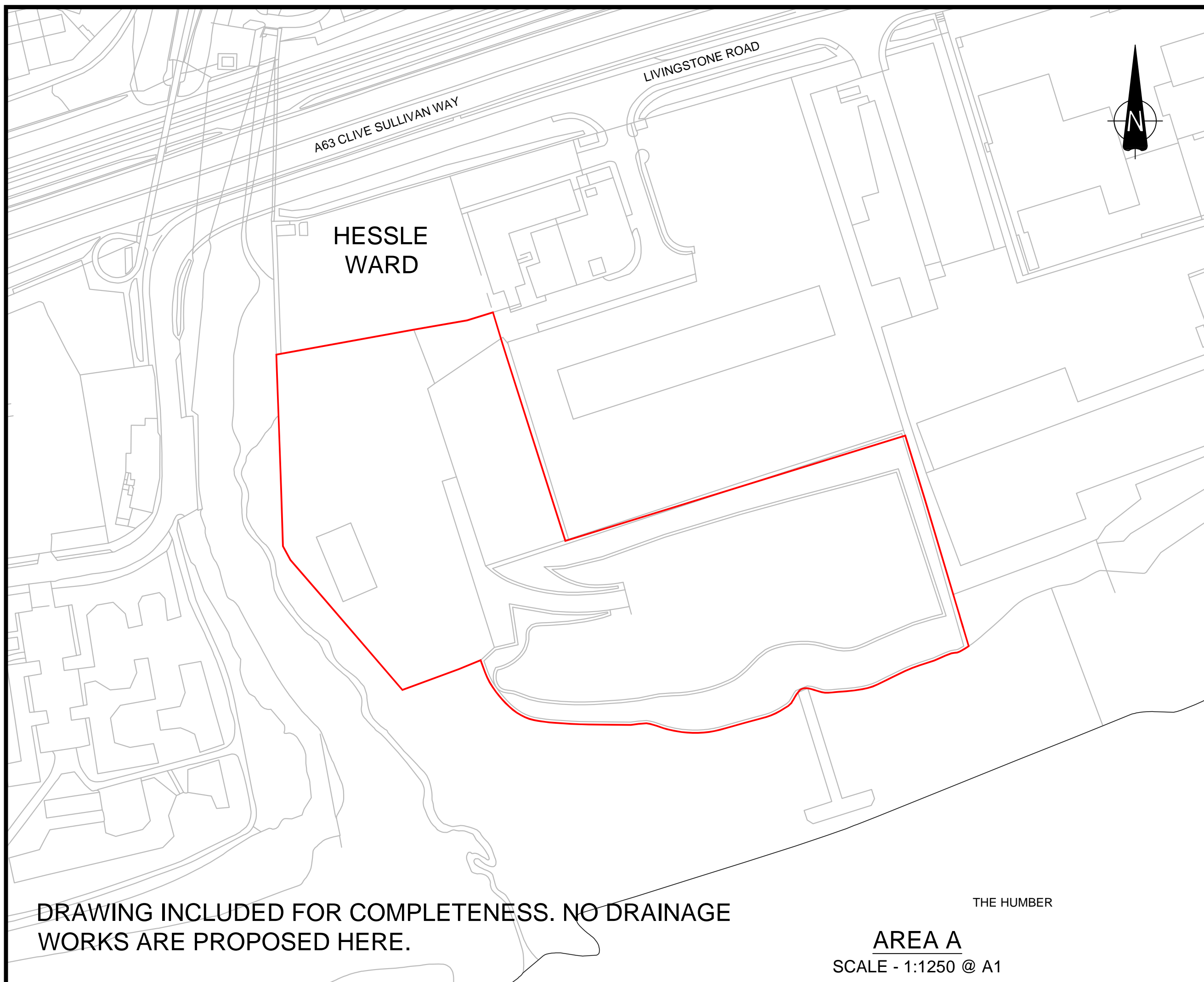
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Drawing Title: **DRAINAGE ENGINEERING DRAWINGS REGULATIONS 5(2)(o) AND 5(2)(p) SHEET 5 OF 6**

Scale	1:1250 @ A1	Designed	AB	Drawn	OH	Checked	JDH	Approved	JFM	
Original Size	A1	Date	20/09/18	Date	20/09/18	Date	20/09/18	Date	20/09/18	
Drawing Number	TR010016/APP/2.7(F)								Revision	3

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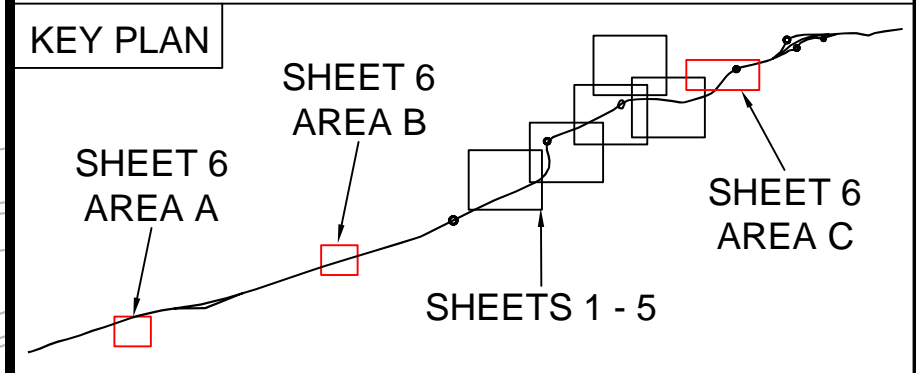


NOTES

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KEY

- ORDER LIMITS
- WARD BOUNDARIES
- AREA NOT INCLUDED IN THE ORDER LIMITS



0m 20m 40m 60m 80m 100m
1:1250

3	20/09/19	FOOTWAY AND CYCLEWAY UPDATES	AK	JE	JDH
2	05/08/19	DEADLINE 5	AK	JE	JDH
1	09/05/19	AMENDMENTS FOR THE REMOVAL OF COMPOUND OPTION B AND THE YW RISING MAIN	OH	JDH	CS
0	20/09/18	APPLICATION ISSUE	OH	JDH	JFM
Rev.	Date	Amendment Details	Drawn	Chk'd	App'd

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Drawing Title: **DRAINAGE ENGINEERING DRAWINGS REGULATIONS 5(2)(o) AND 5(2)(p) SHEET 6 OF 6**

Scale	AS SHOWN	Designed	AB	Drawn	OH	Checked	JDH	Approved	JFM	
Original Size	A1	Date	20/09/18	Date	20/09/18	Date	20/09/18	Date	20/09/18	
Drawing Number	TR010016/APP/2.7(G)								Revision	3

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