

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 |

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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)**.

1.4 Two options for the batching site compound have been included in the DCO application. The two options are the ‘Arco’ site (known as Option A, lying between Lister Street and the A63) and the ‘Staples’ site (known as Option B, lying in the north east quadrant of Mytongate junction). Detailed assessments and negotiations are progressing and it is not yet determined which site will be used, therefore within the Drainage Engineering Plans two plans have been provided for the Key Plan, one for Option A (TR010016/APP/2.7(AA)) and one for Option B (TR010016/APP/2.7(AB)) and two drawings for Sheet 3, one for Option A (TR010016/APP/2.7(DA)) and one for Option B (TR010016/APP/2.7(DB)). Compulsory powers will only be sought for one option once the Applicant has made a decision as to which site should be used.

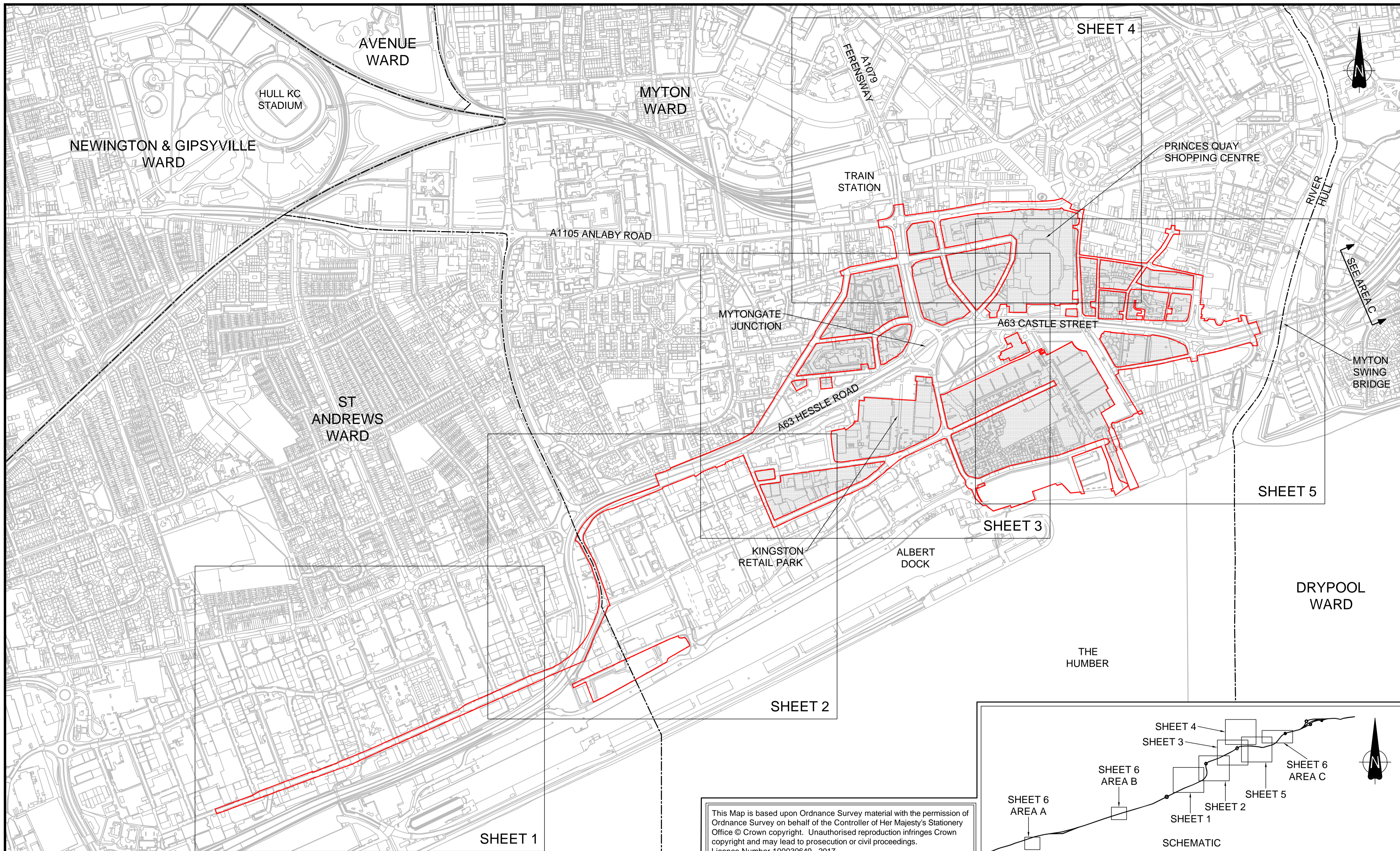
1.5 Two options for the spur of the rising main route are included in the DCO application. The first option for the rising main route is the connection to the existing Yorkshire Water Sewer in Commercial Road. The alternative option is the longer route to discharge via three possible locations into to the Humber Estuary. The Drainage Engineering Plans only show the preferred option which is the connection to the existing Yorkshire Water Sewer in Commercial Road. Compulsory powers will only be sought for one option once the Applicant has made a decision as to which route should be used.

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2 SCHEDULE OF PLANS INCLUDED IN THIS APPLICATION DOCUMENT

| Drawing Title | Drawing Number | Revision |
|--|----------------------|----------|
| Drainage Engineering Drawings Regulation 5(4) Option A - Key Plan | TR010016/APP/2.7(AA) | 0 |
| Drainage Engineering Drawings Regulation 5(4) Option B - Key Plan | TR010016/APP/2.7(AB) | 0 |
| Drainage Engineering Drawings Regulations 5(2)(o) and 5(2)(p) – Sheet 1 of 6 | TR010016/APP/2.7(B) | 0 |
| Drainage Engineering Drawings Regulation 5(2)(o) and 5(2)(p) - Sheet 2 of 6 | TR010016/APP/2.7(C) | 0 |
| Drainage Engineering Drawings Regulations 5(2)(o) and 5(2)(p) – Option A - Sheet 3 of 6 | TR010016/APP/2.7(DA) | 0 |
| Drainage Engineering Drawings Regulations 5(2)(o) and 5(2)(p) – Option B - Sheet 3 of 6 | TR010016/APP/2.7(DB) | 0 |
| Drainage Engineering Drawings Regulations 5(2)(o) and 5(2)(p) - Sheet 4 of 6 | TR010016/APP/2.7(E) | 0 |
| Drainage Engineering Drawings Regulations 5(2)(o) and 5(2)(p) - Sheet 5 of 6 | TR010016/APP/2.7(F) | 0 |
| Drainage Engineering Drawings Regulations 5(2)(o) and 5(2)(p) - Sheet 6 of 6 | TR010016/APP/2.7(G) | 0 |

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KEY

- ORDER LIMITS
- - - WARD BOUNDARIES
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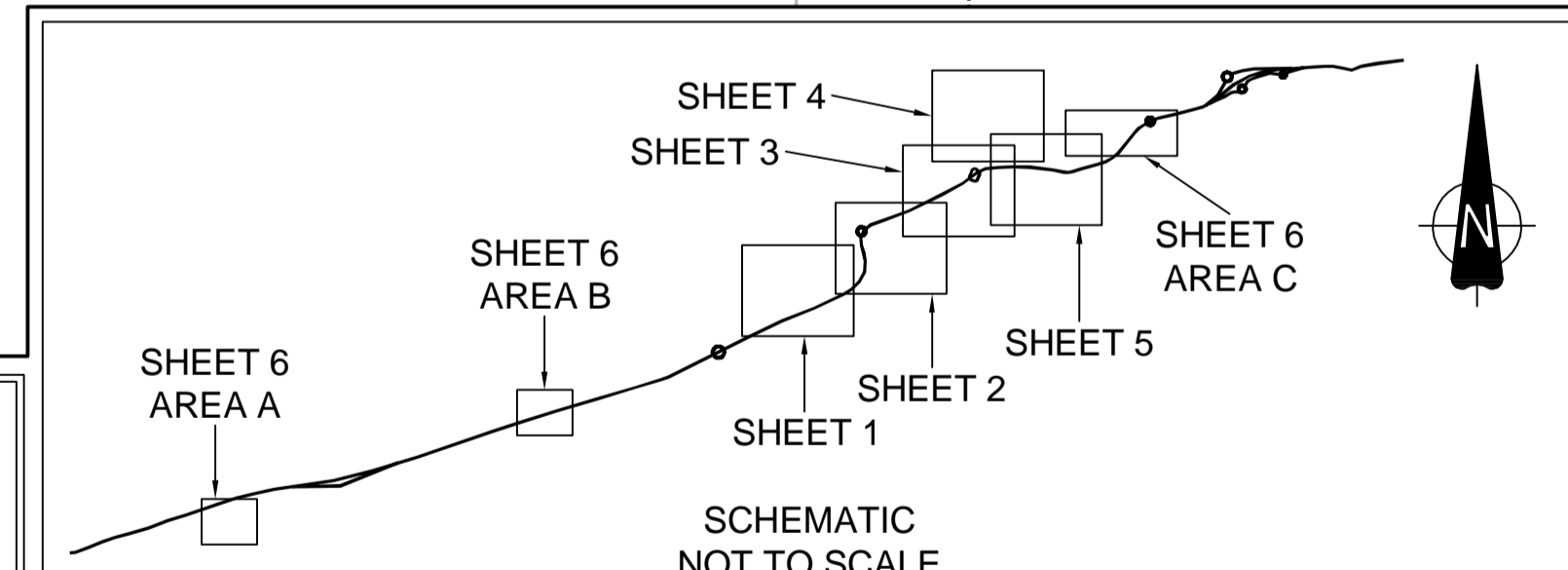
SEE AREA C

0m 100m 200m 300m 400m 500m
1:5000

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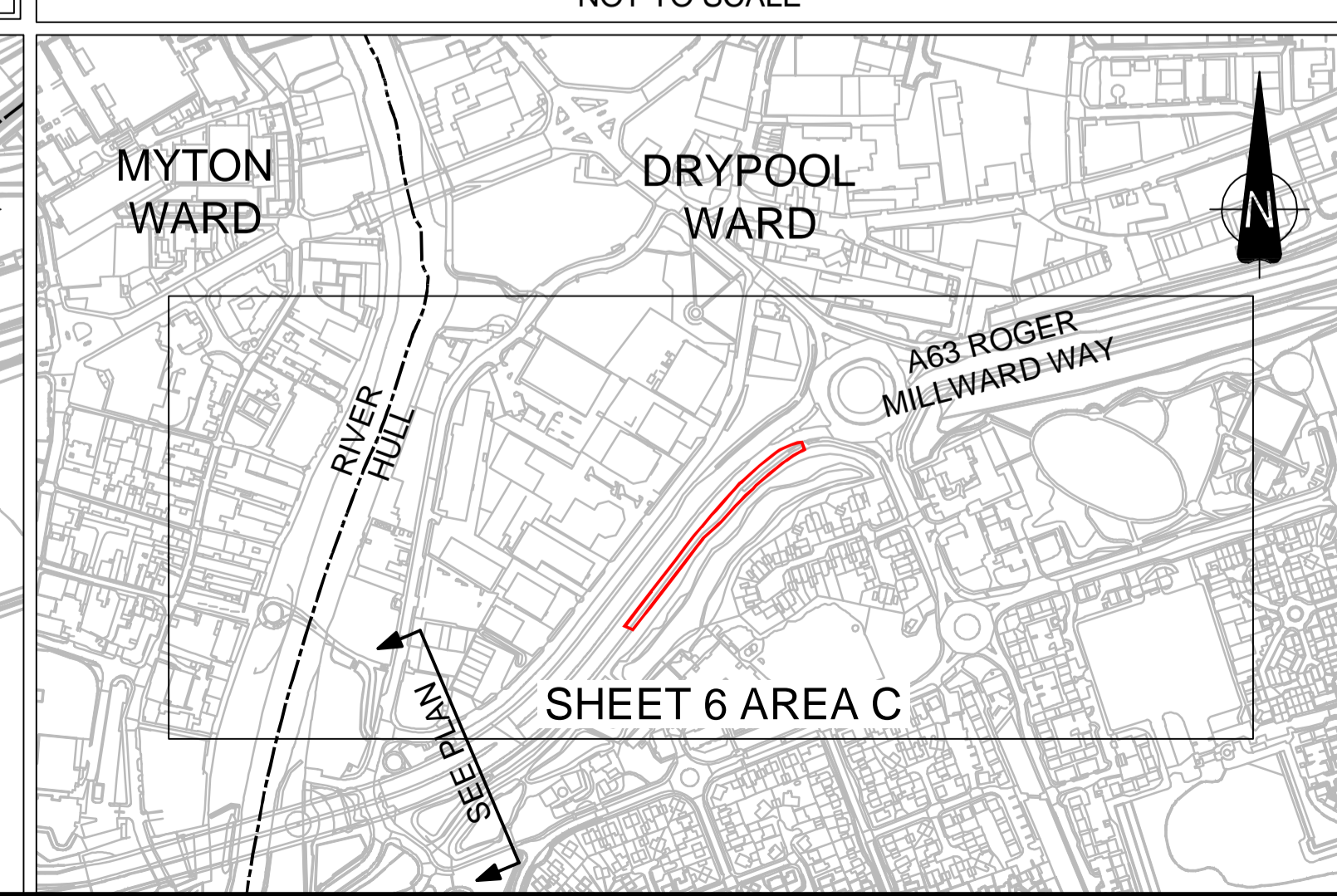
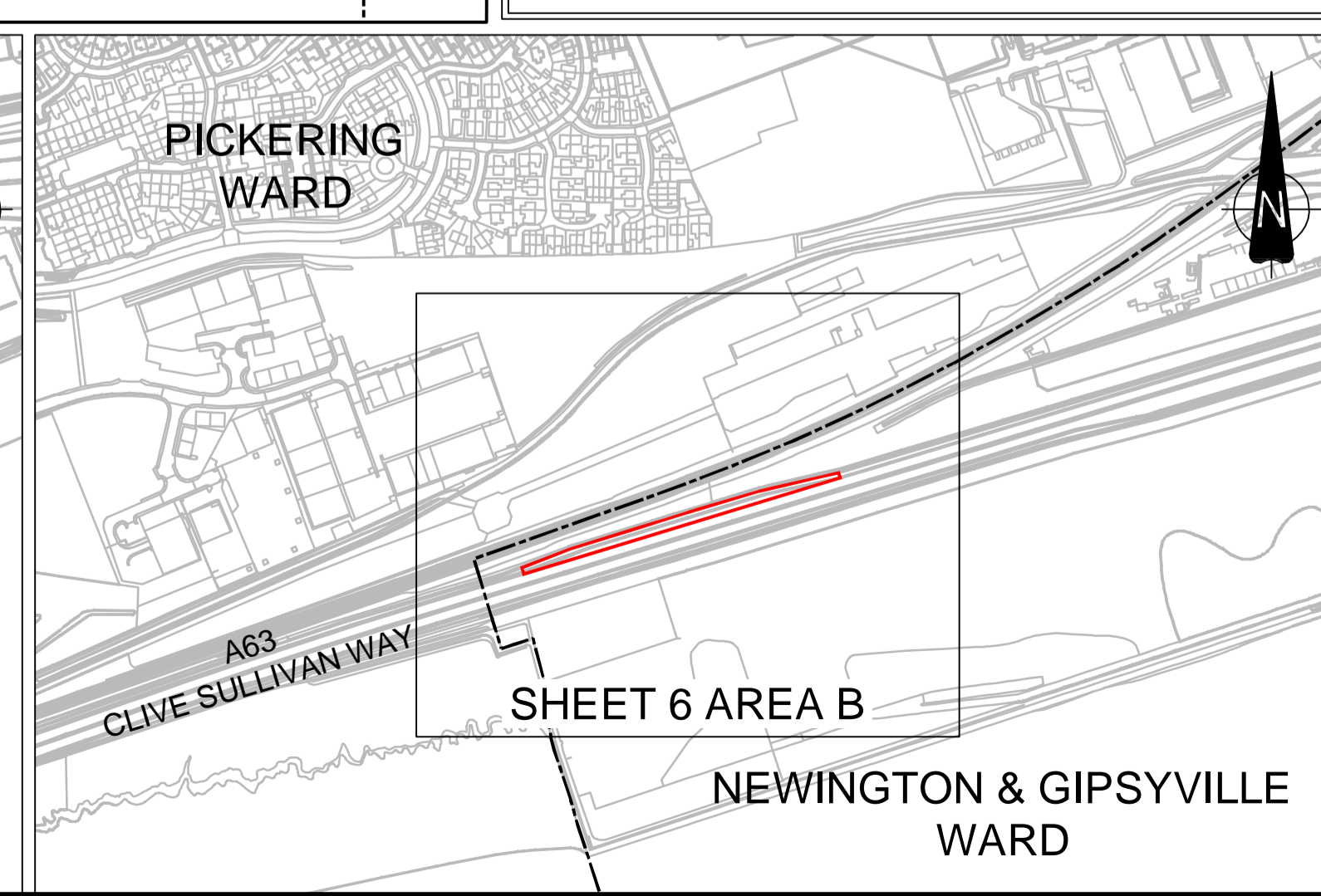
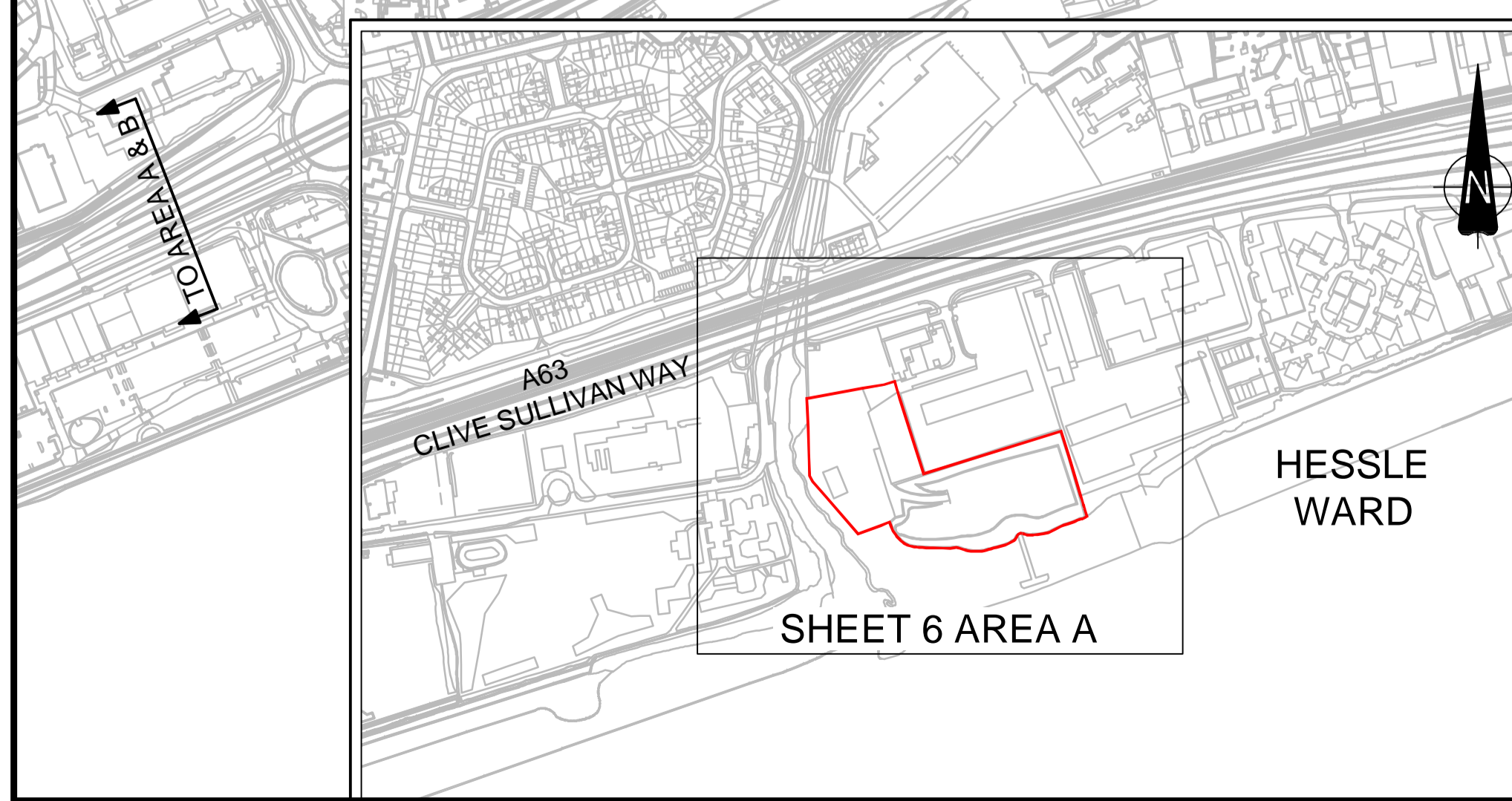
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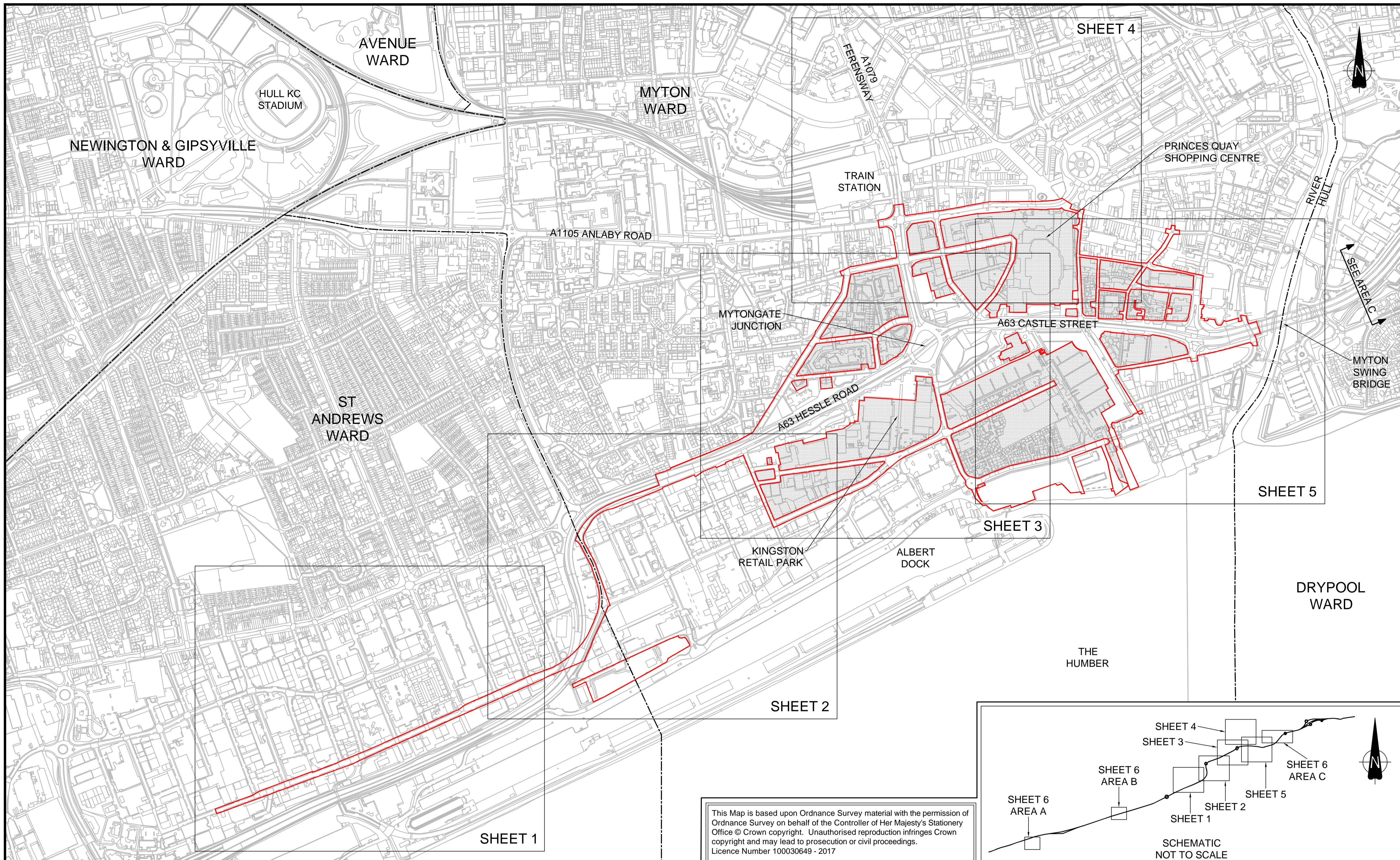
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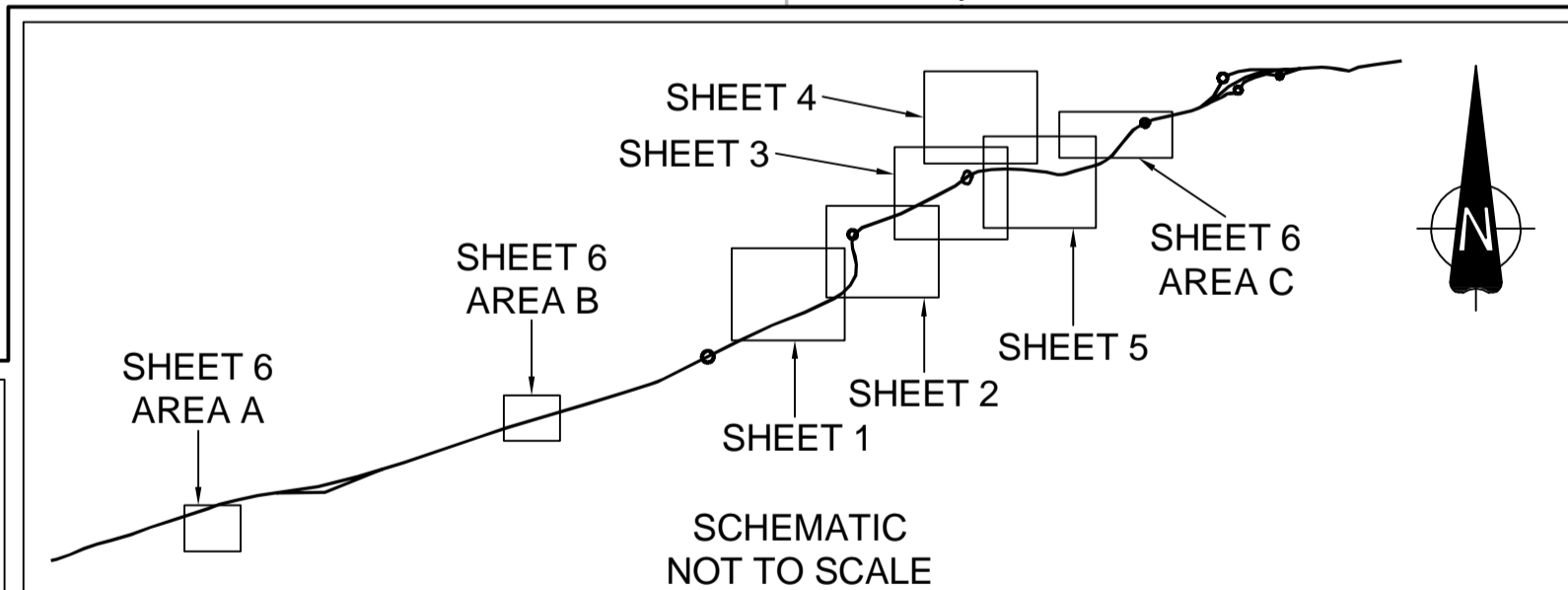
SEE AREA C

0m 100m 200m 300m 400m 500m
1:5000

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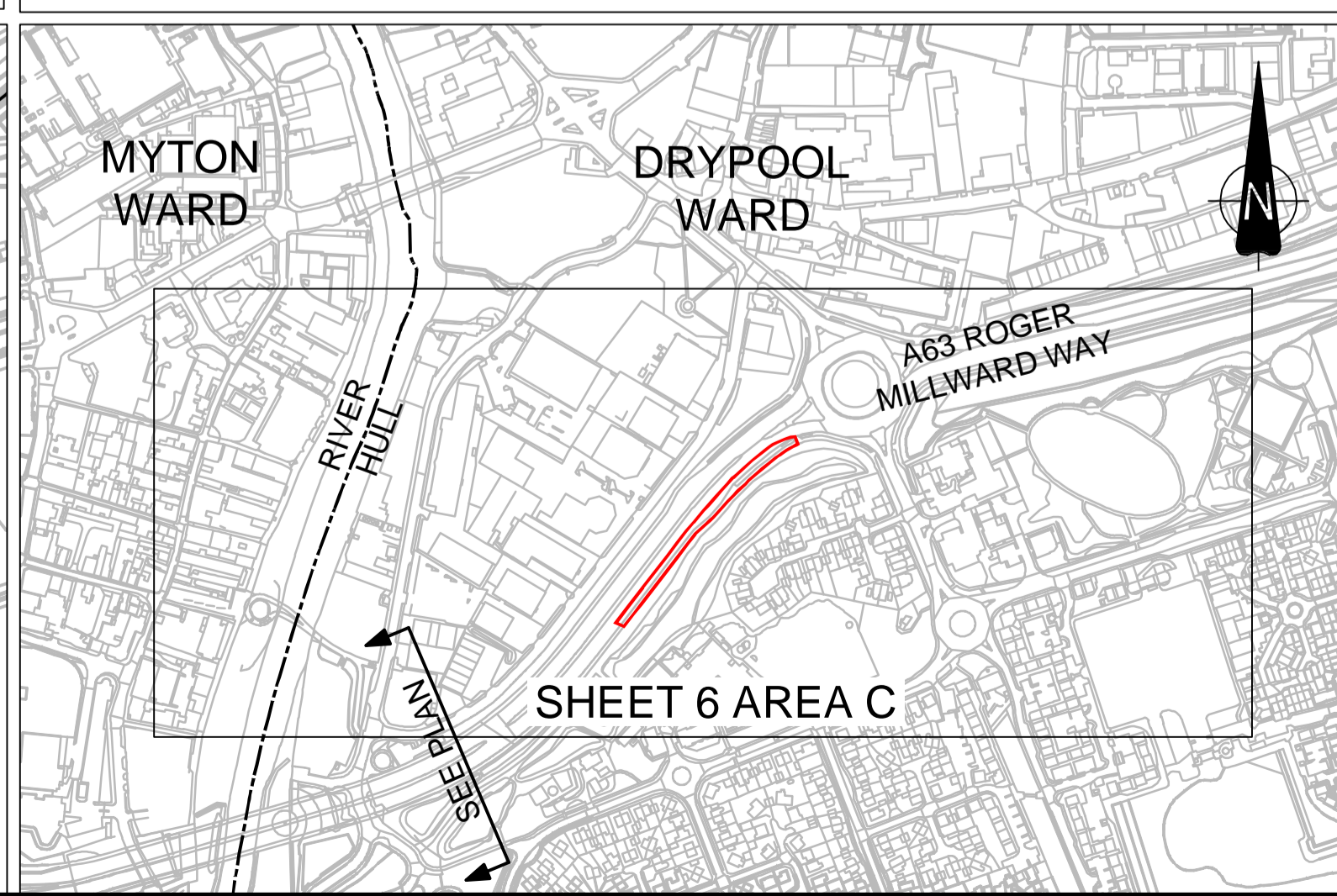
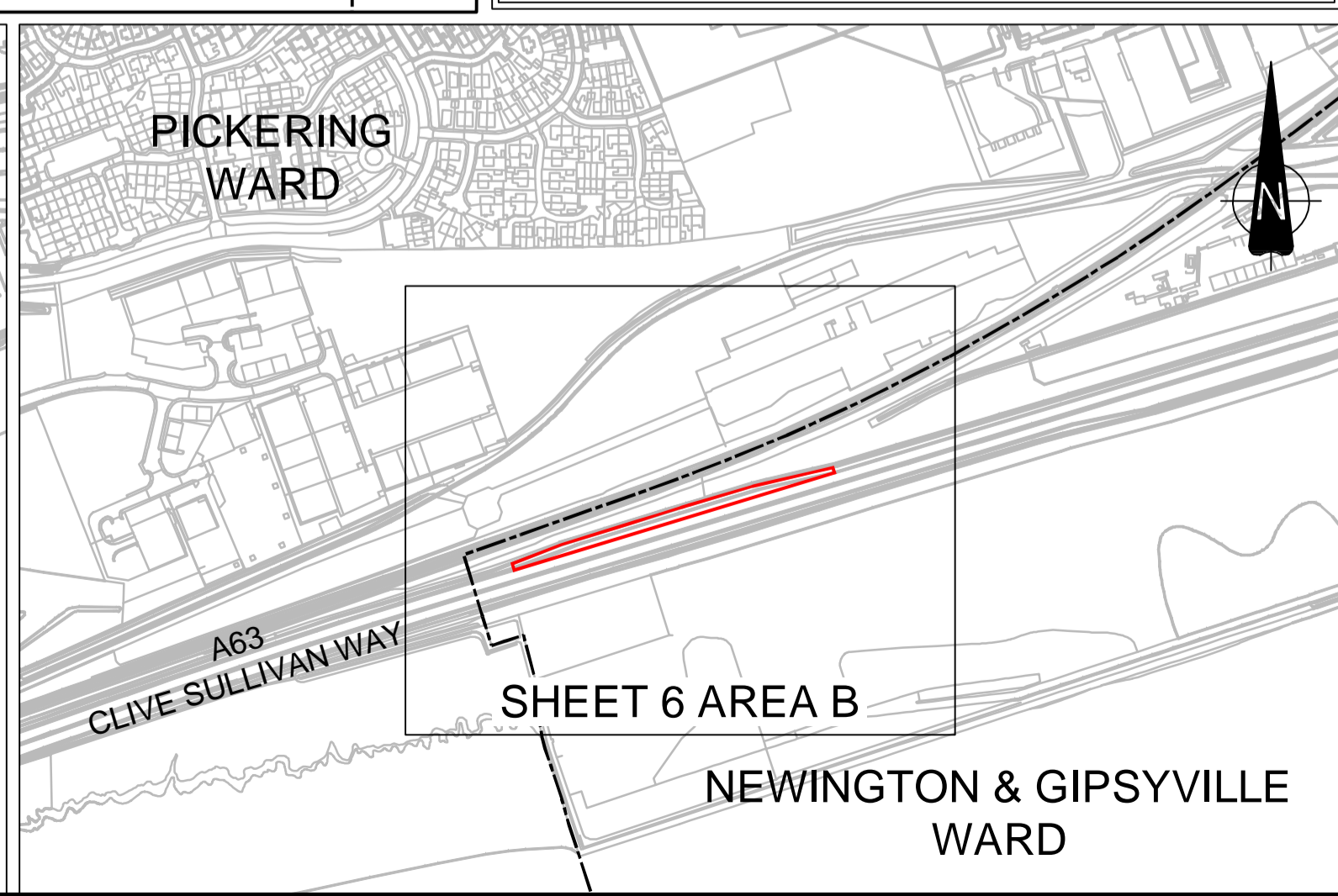
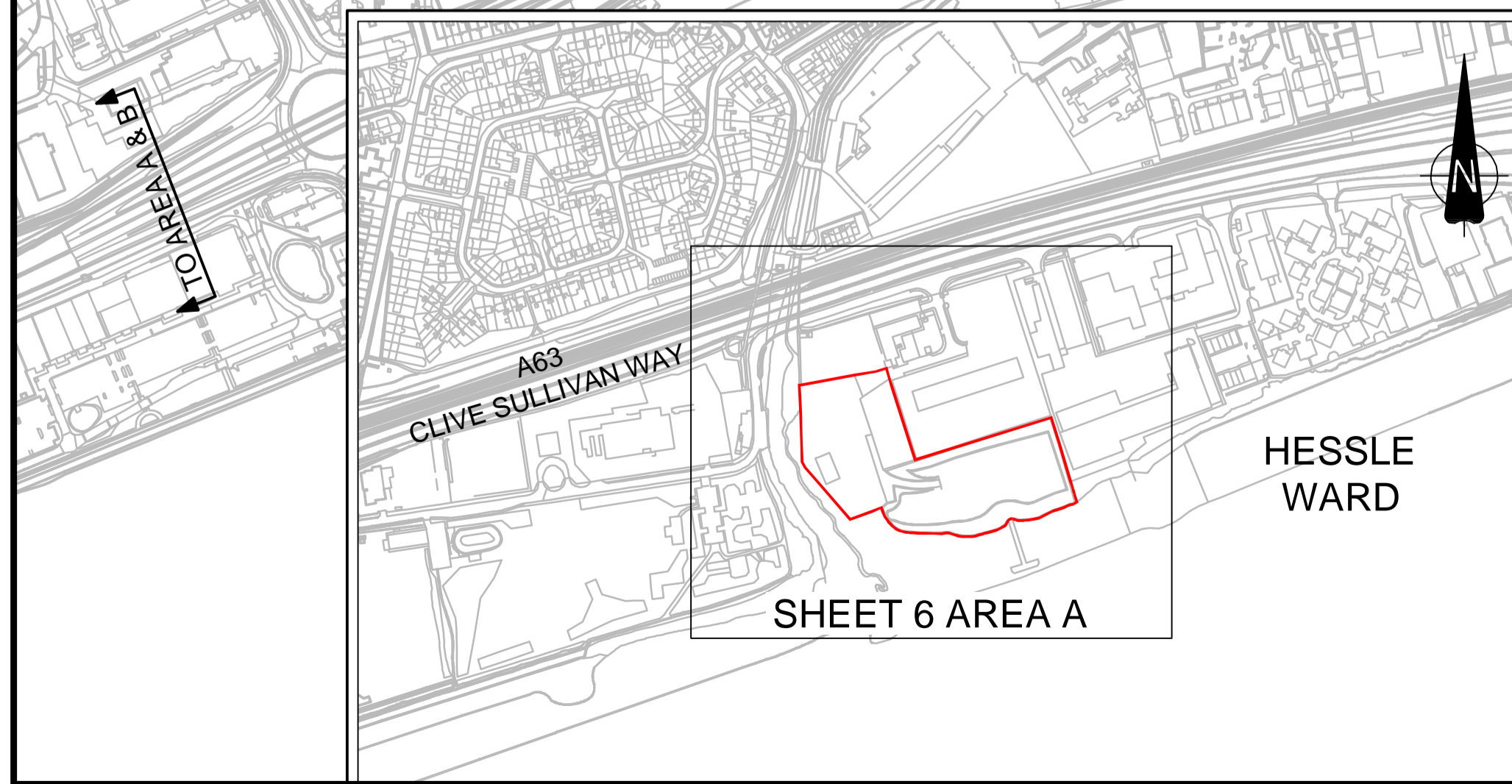
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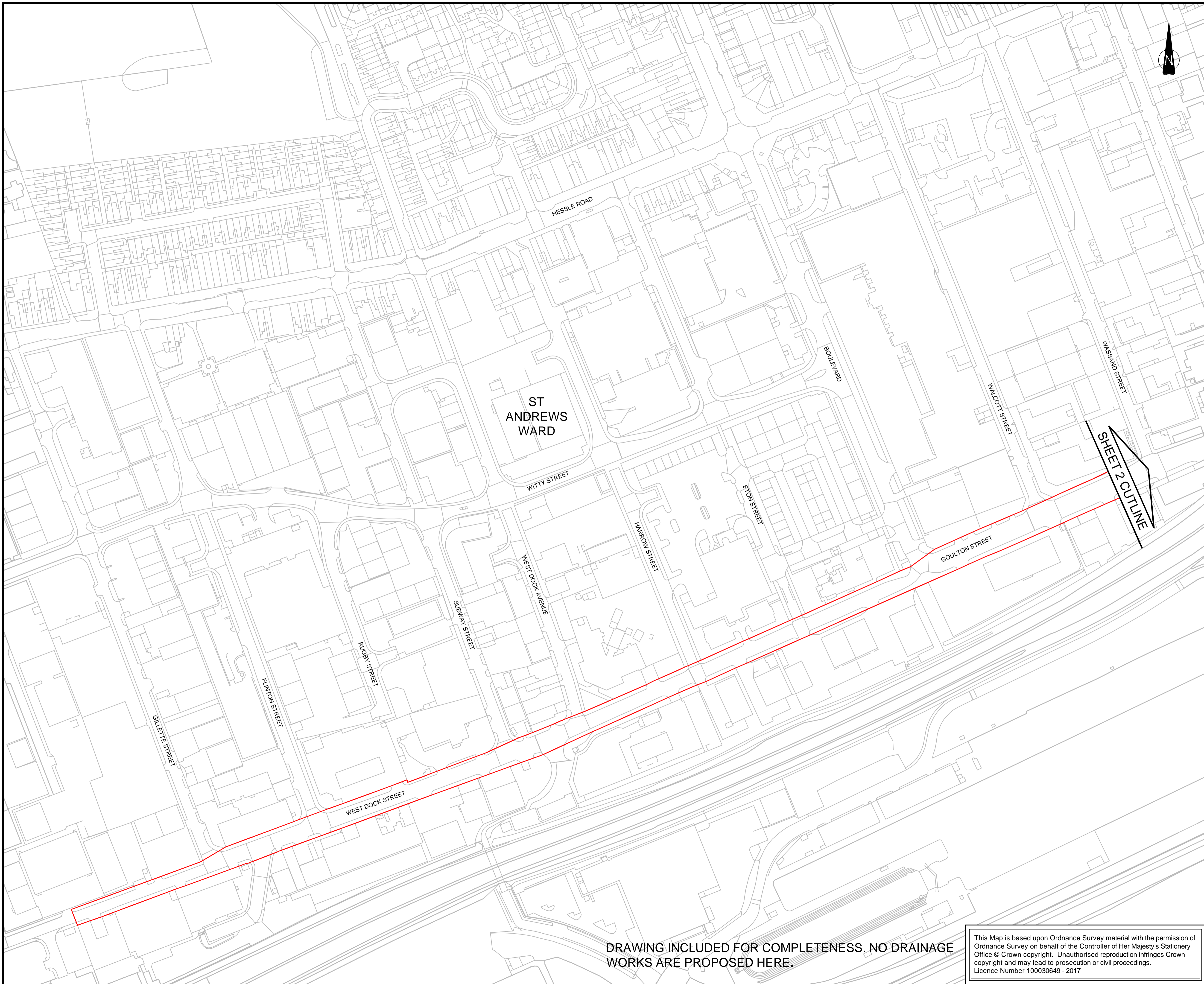
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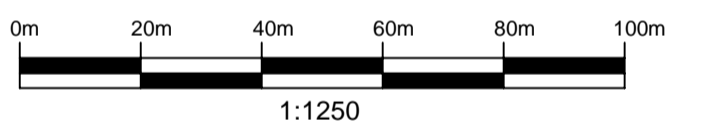
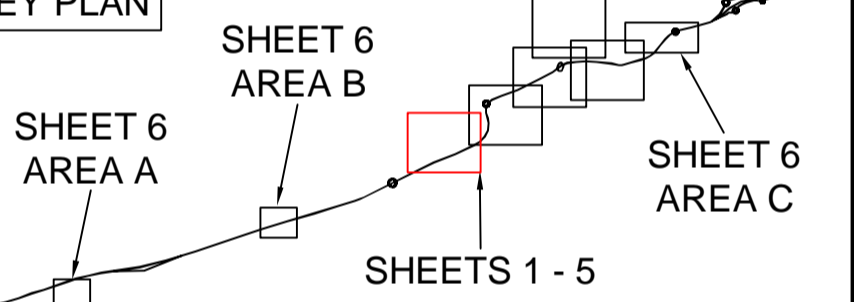
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KEY

— ORDER LIMITS

KEY PLAN



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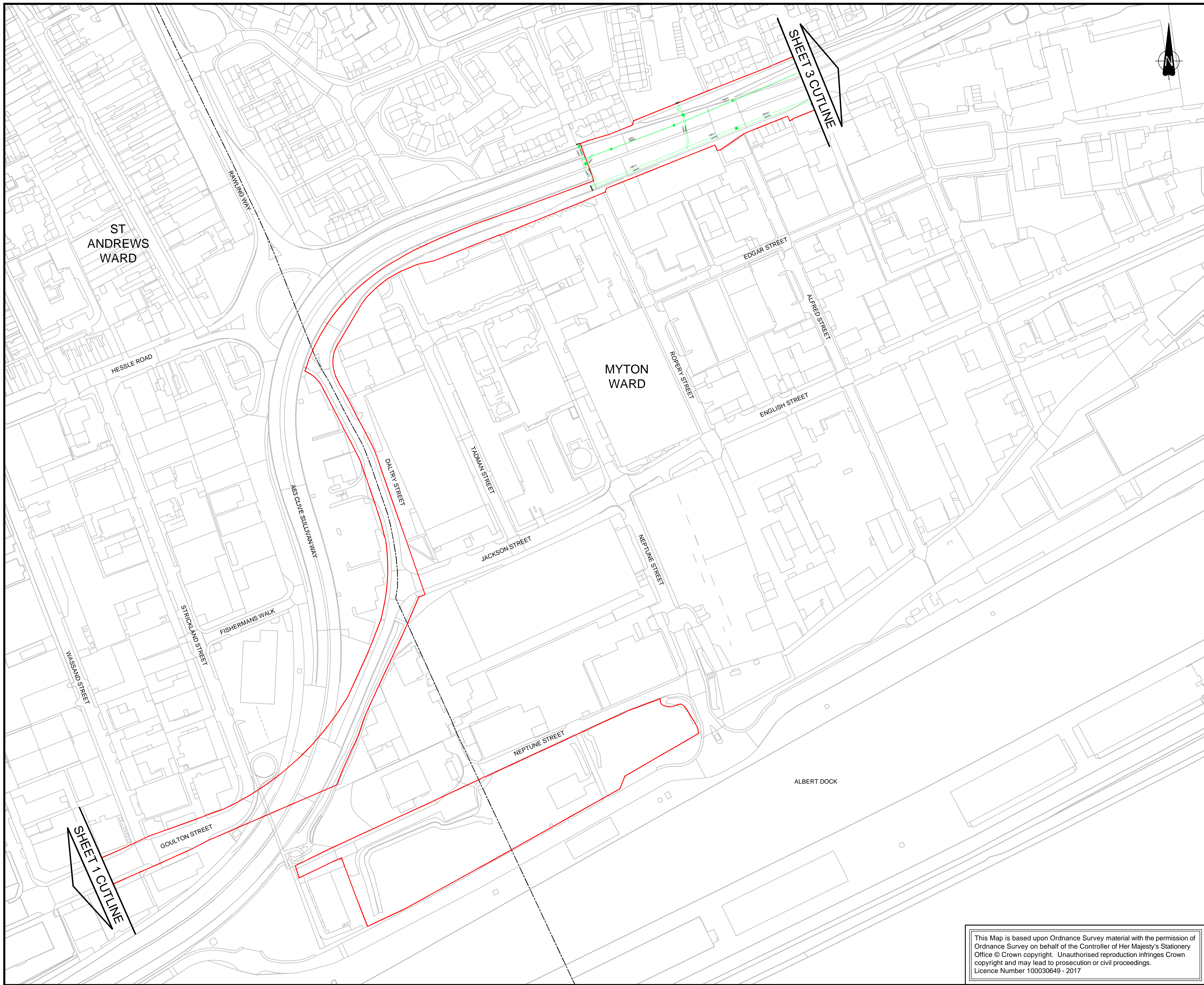
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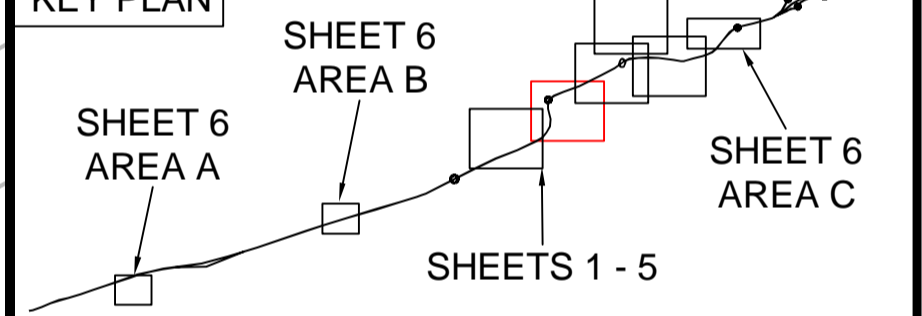
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KEY

- ORDER LIMITS
- - - WARD BOUNDARIES
- EXISTING YORKSHIRE WATER PIPE TO BE RETAINED
- EXISTING CHAMBER TO BE RETAINED
- 1000 (2250) PIPE REFERENCE (DIAMETER OF PIPE)
- 1015A601 NETWORK REFERENCE (MANHOLE REFERENCE)
- FLOW DIRECTION ARROW

KEY PLAN



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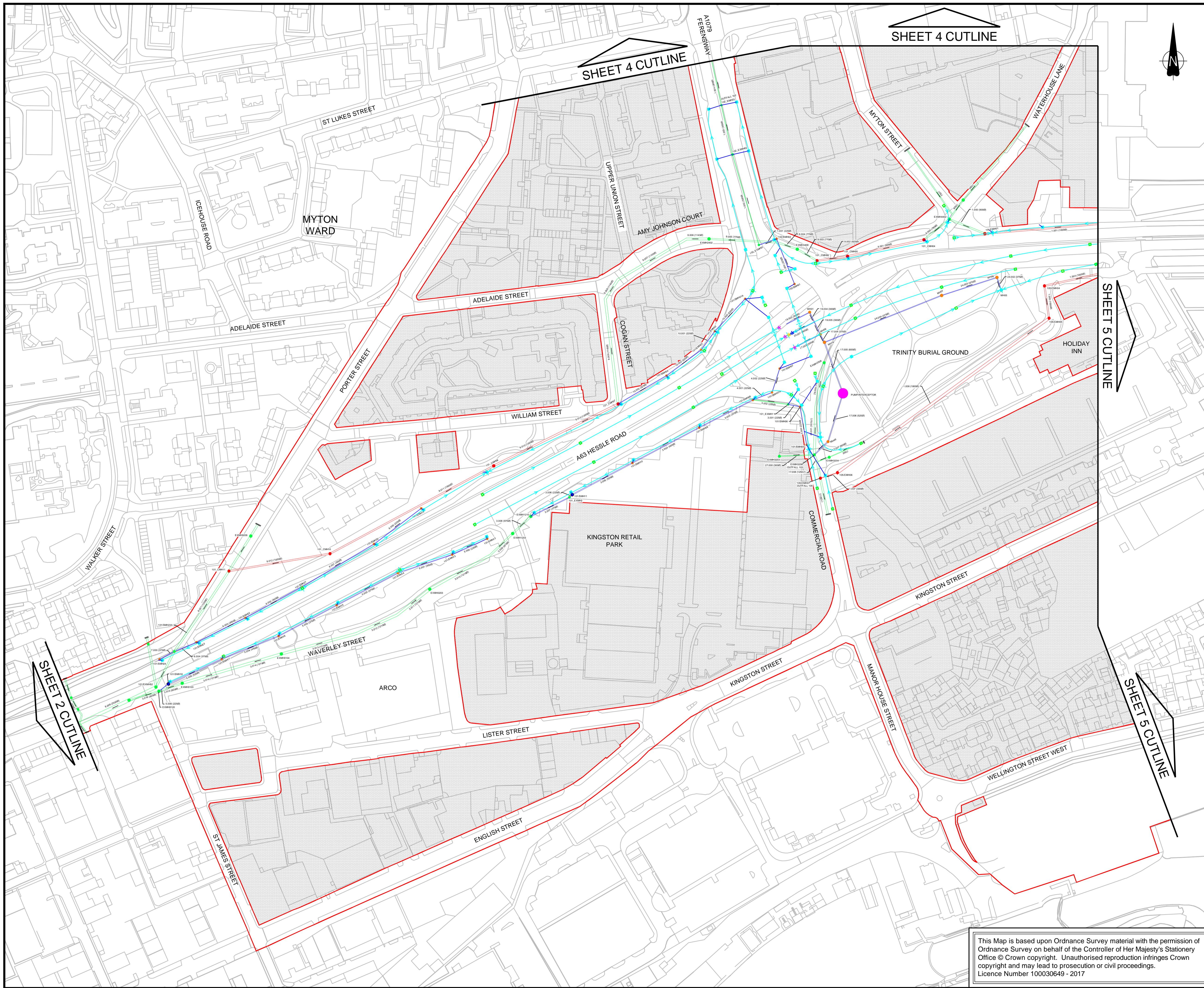
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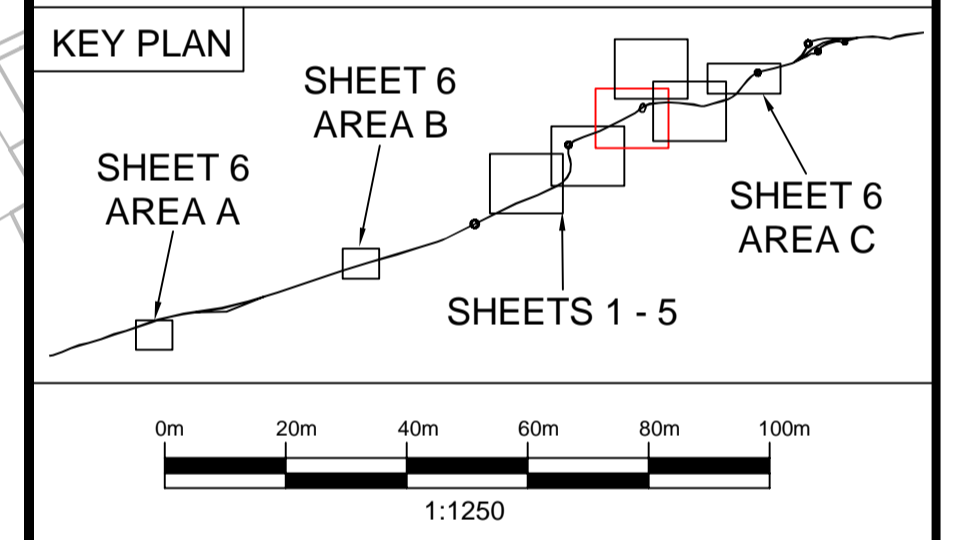


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KEY

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- 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



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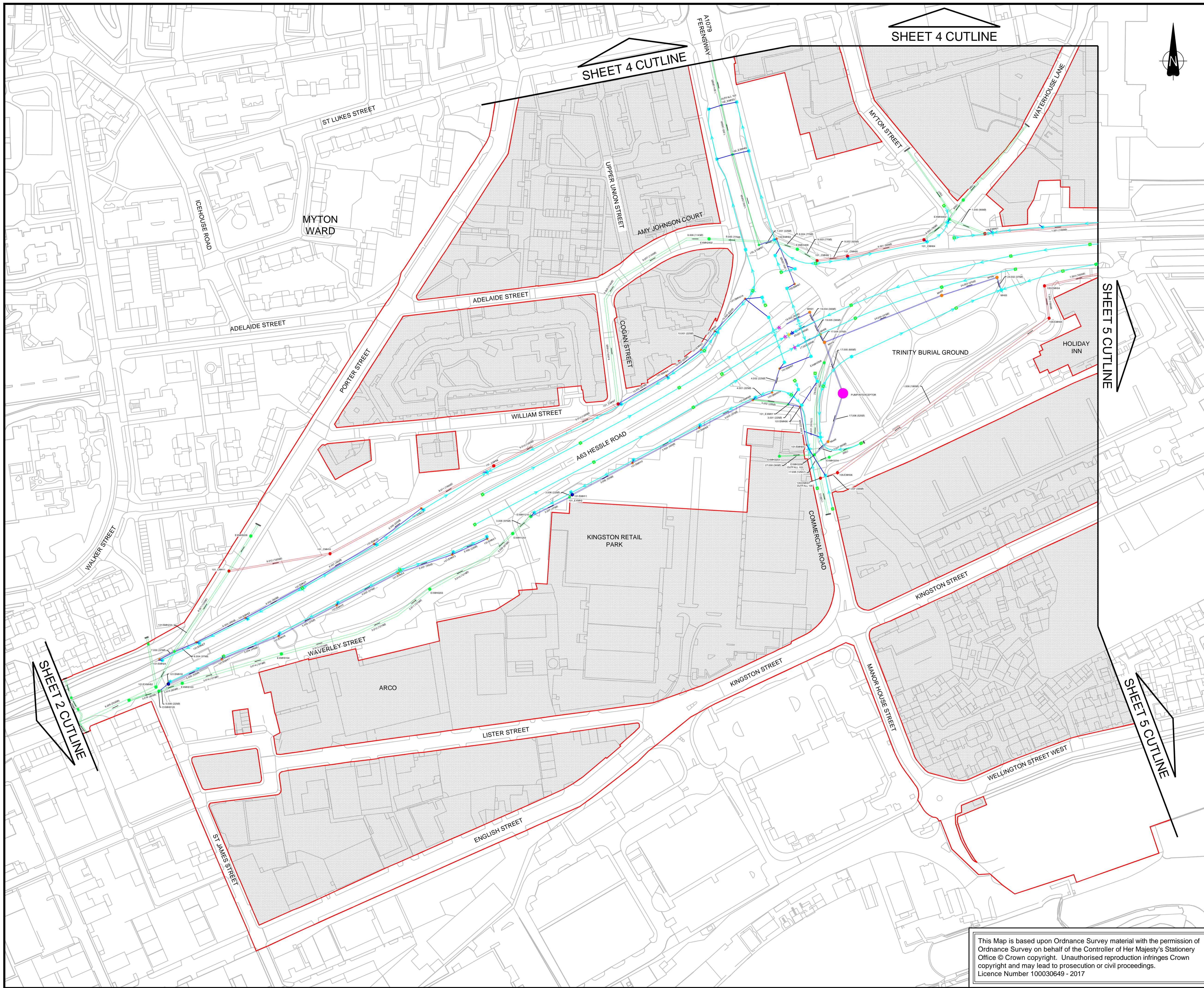
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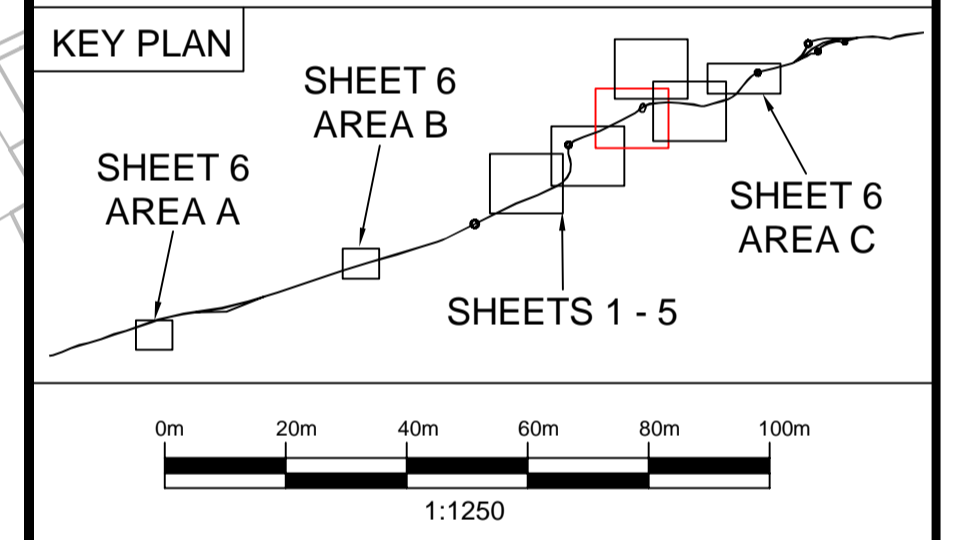
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 - PROPOSED YORKSHIRE WATER PIPE DIVERSION
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 - PUMP / INTERCEPTOR
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 - CKD FLOW ARROW
 - ⋈ CKD HIGH POINT
 - ⋈ CKD LOW POINT
 - 1:000 (2250) PIPE REFERENCE (DIAMETER OF PIPE)
 - 10:500 (1) NETWORK REFERENCE (MANHOLE REFERENCE)
 - FLOW DIRECTION ARROW



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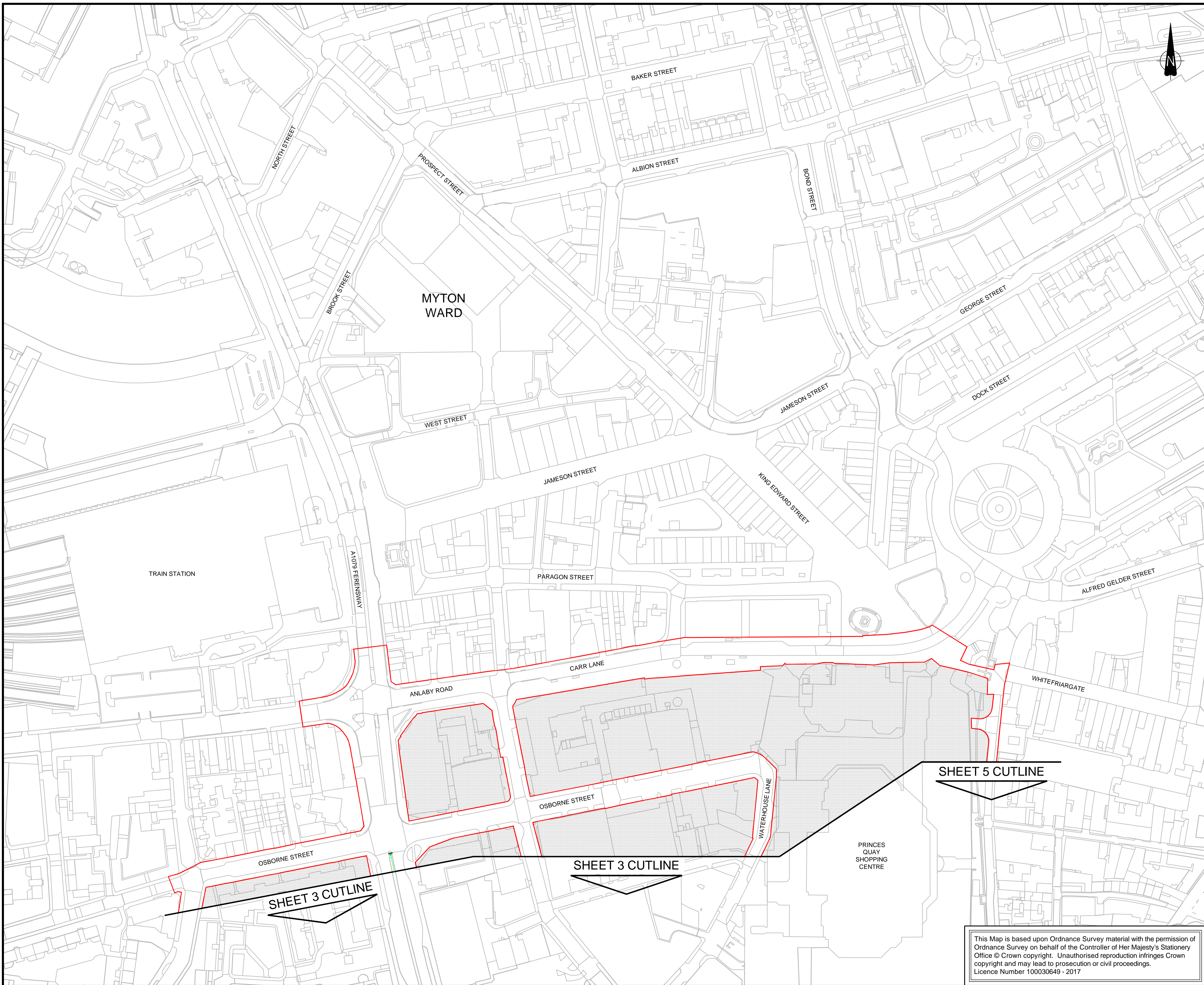
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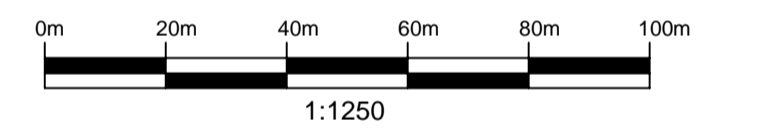
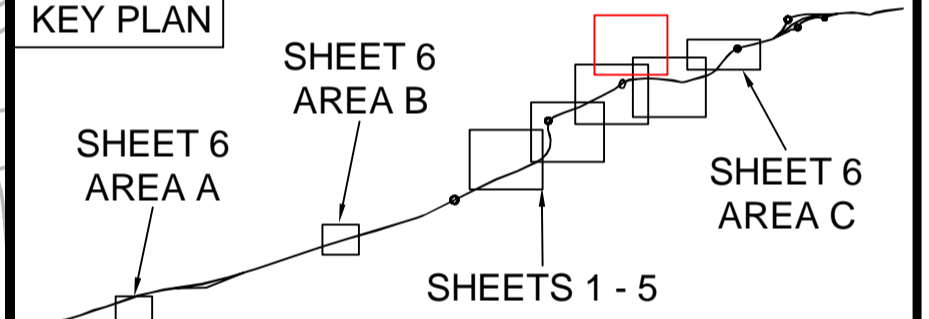
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KEY

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

KEY PLAN



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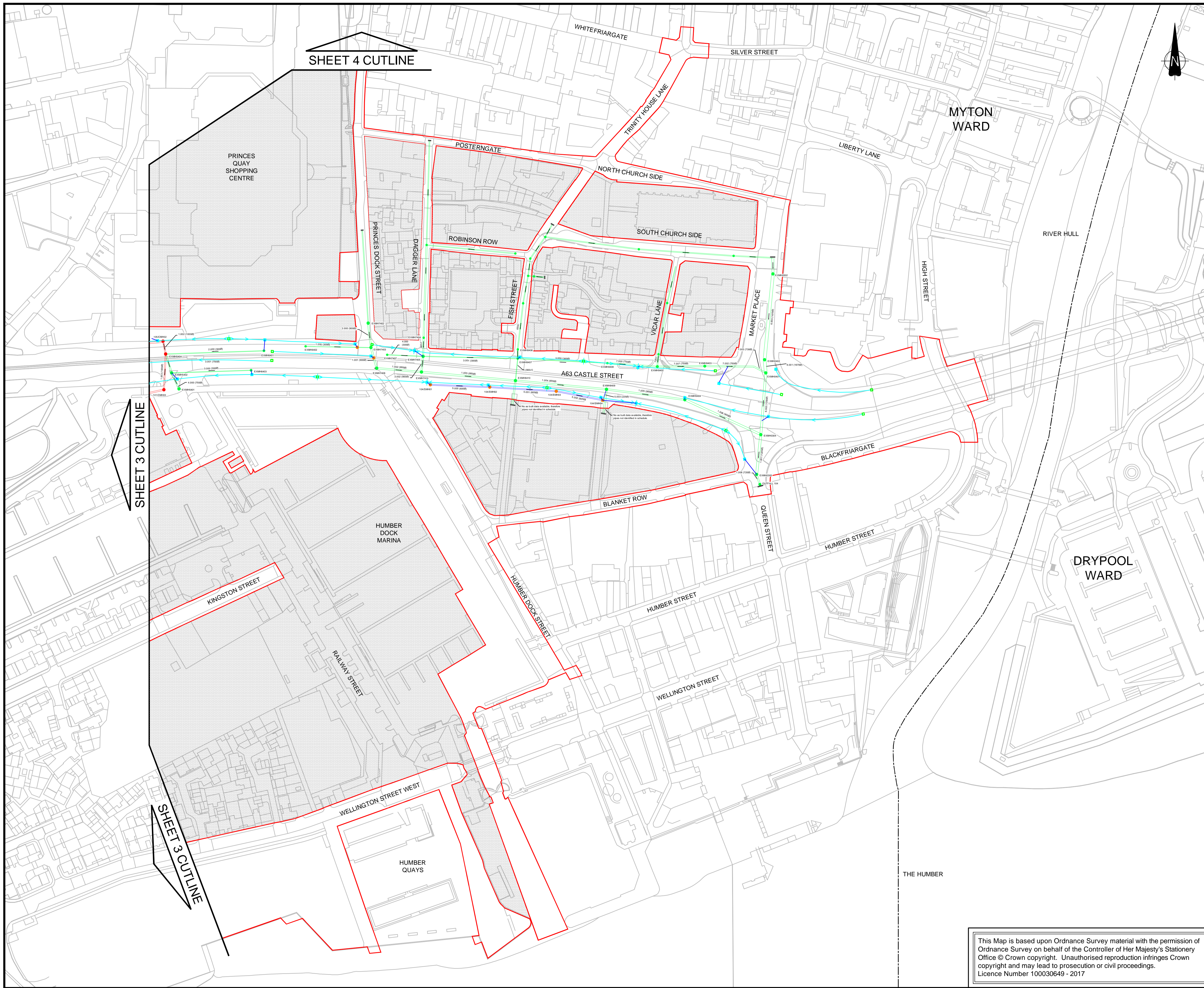
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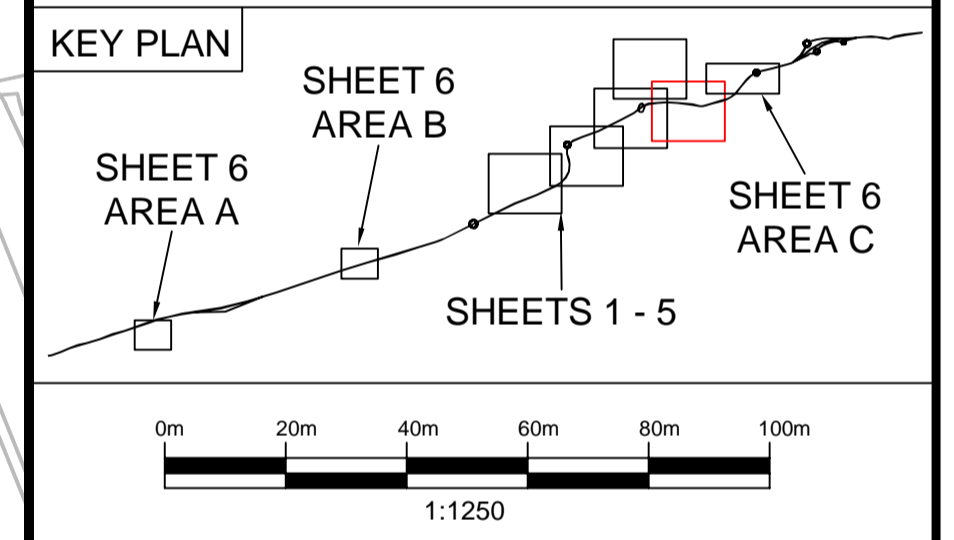


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- NETWORK REFERENCE (MANHOLE REFERENCE)
- FLOW DIRECTION ARROW



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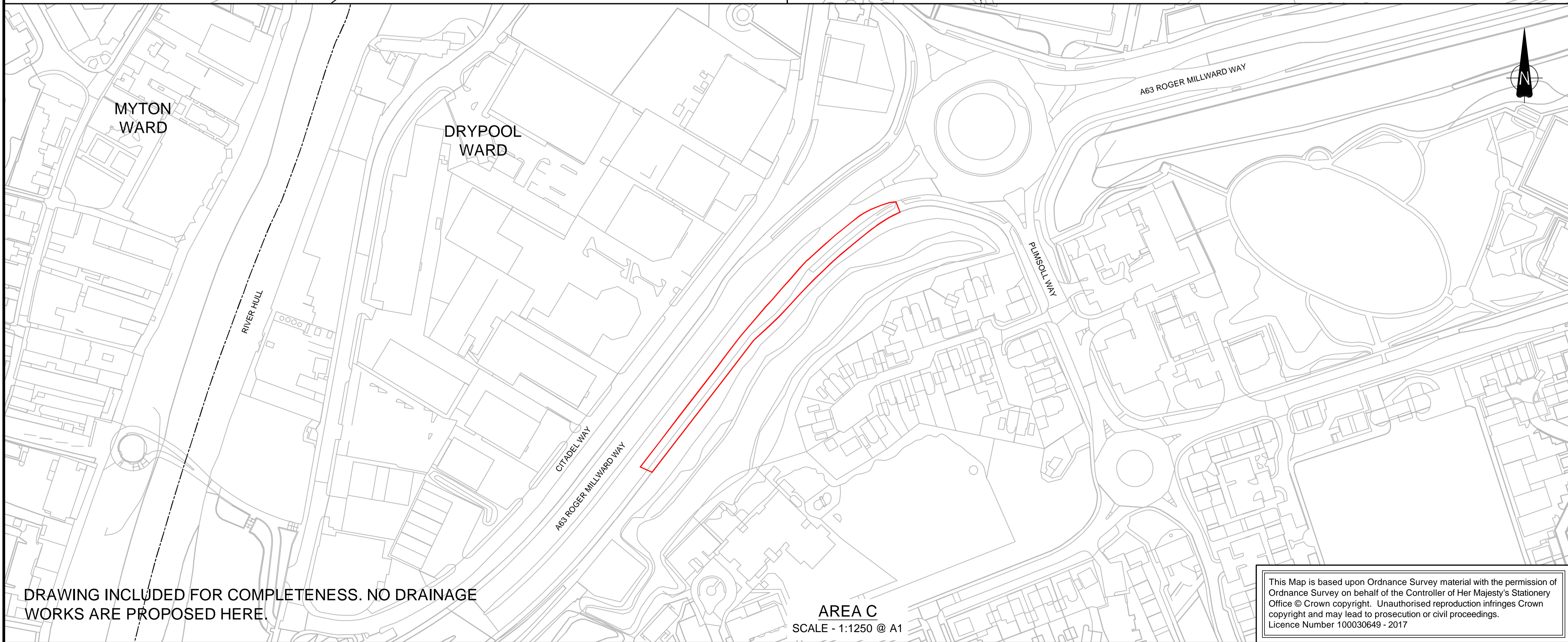
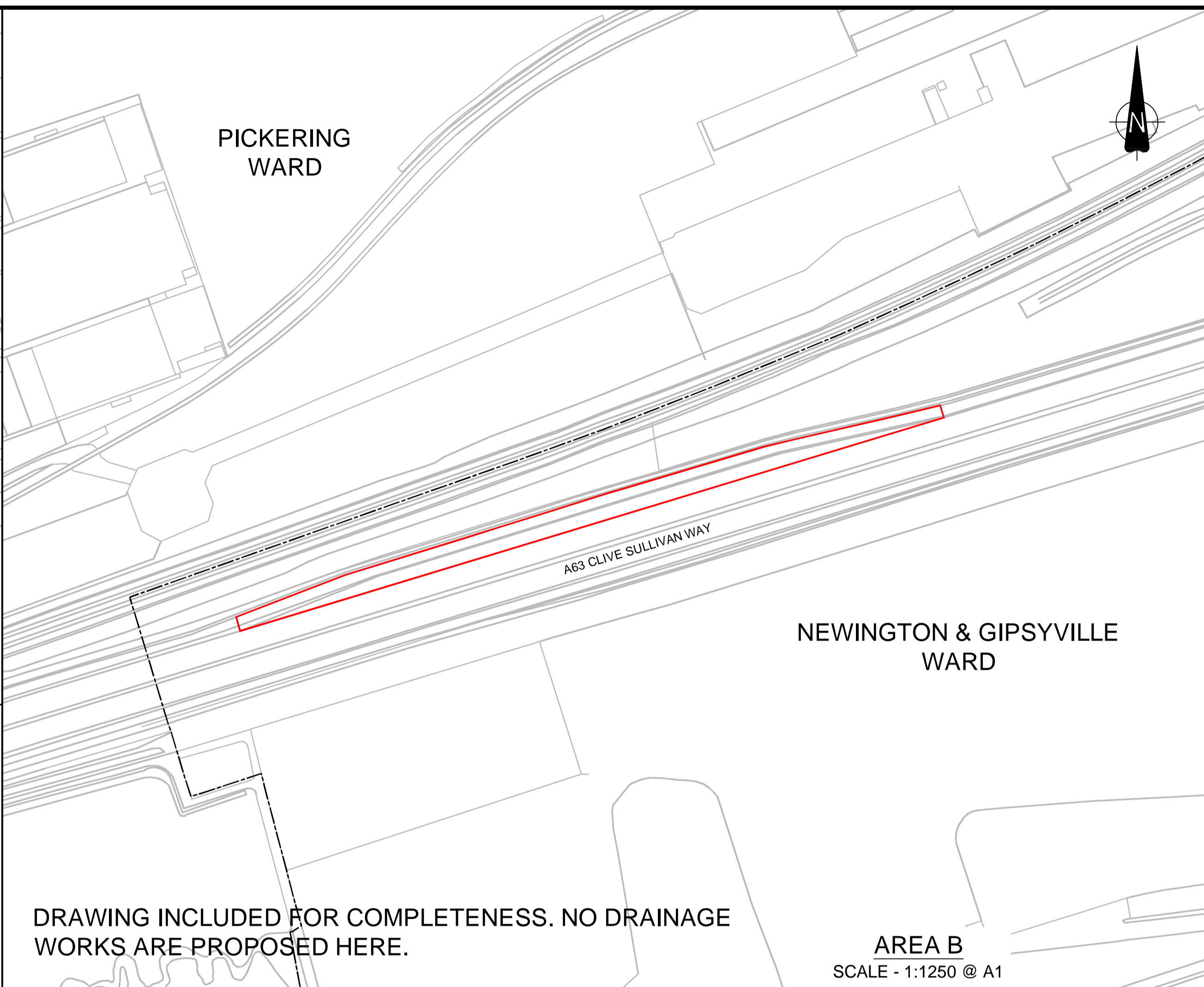
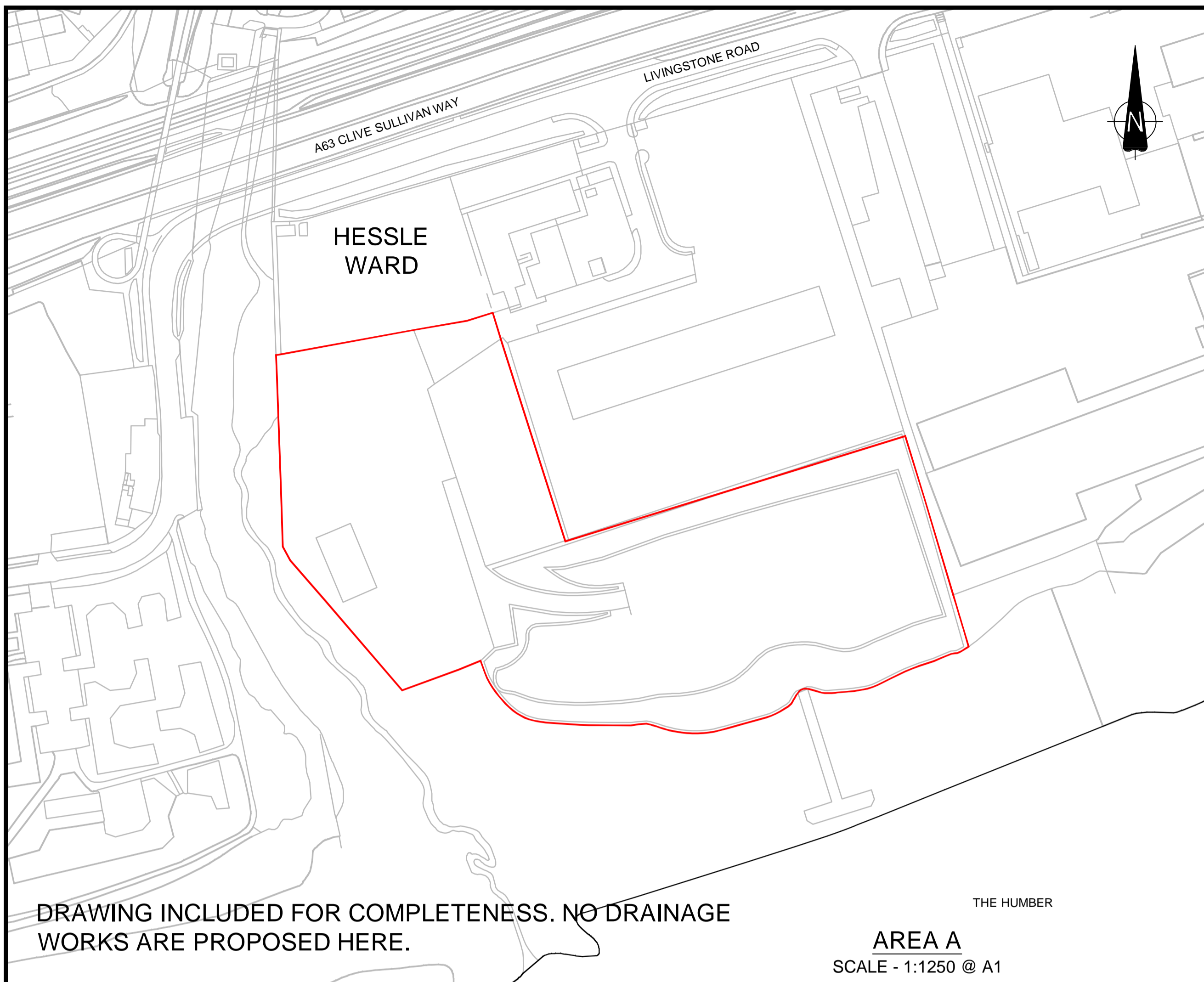
Drawing Status: **SHARED**

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

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

| Scale | Designed | Drawn | Checked | Approved |
|---------------------|----------|----------|----------|----------|
| 1:1250 @ A1 | AB | OH | JDH | JFM |
| Original Size | Date | Date | Date | Date |
| A1 | 20/09/18 | 20/09/18 | 20/09/18 | 20/09/18 |
| Drawing Number | | | | Revision |
| TR010016/APP/2.7(F) | | | | 0 |

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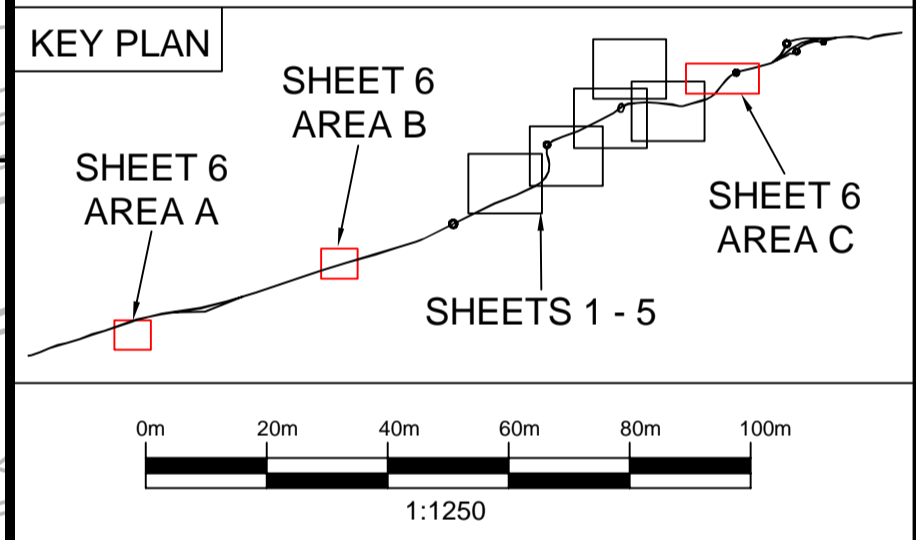


NOTES

- 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



| 0 | 20/09/18 | AMENDMENTS | OH | JDH | JFM |
|------|----------|-------------------|-------|-------|-------|
| Rev. | Date | Amendment Details | Drawn | Chk'd | App'd |

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Mott MacDonald Sweco

Client

Drawing Status: **SHARED**

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

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

| Scale | Designed | Drawn | Checked | Approved |
|---------------------|----------|----------|----------|----------|
| AS SHOWN | AB | OH | JDH | JFM |
| Original Size | Date | Date | Date | Date |
| A1 | 20/09/18 | 20/09/18 | 20/09/18 | 20/09/18 |
| Drawing Number | Revision | | | |
| TR010016/APP/2.7(G) | | | | 0 |

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