

NOTES

1. All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Architect & Engineer for verification. Figured dimensions only are to be taken from this drawing.
2. This drawing is to be read in conjunction with all relevant Engineers' and Service Engineers' drawings and specifications.
3. This drawing has been based on the following drawings and information:  
RSK\_09/04/18 TOPOGRAPHICAL SURVEY, REF. 193556

- HYDROCK 2021**
- ROTARY BOREHOLE
  - TRIAL PIT
  - CBR TESTING
  - BOREHOLE
  - WINDOW SAMPLE
  - TRIAL TRENCH
  - CABLE PERCUSSIVE BOREHOLE
  - DYNAMIC CONE PENETROMETER TESTING
  - STAND-OFF ZONE FROM OVERHEAD CABLES
- RSK 2017 & 2018**
- TRIAL PIT
  - CABLE PERCUSSIVE BOREHOLE
  - WINDOW SAMPLE
  - ROTARY BOREHOLE
  - MINE-SHAFT - PROVEN AT 364180 57, 427665 04
  - EA - HISTORICAL LANDFILL BOUNDARIES
  - RSK LANDFILL BOUNDARIES

REV	DESCRIPTION	DATE	CHECKED BY	DATE	APPROVED BY	DATE
P1	ISSUE					

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CLIENT  
**HARWORTH ESTATES**

PROJECT  
**WINGATES INDUSTRIAL ESTATE, BOLTON**

TITLE  
**COMBINED EXPLORATORY HOLE PLAN -  
 HYDROCK & RSK LOCATIONS**

HYDROCK PROJECT NO.  
**15592-GNMA**

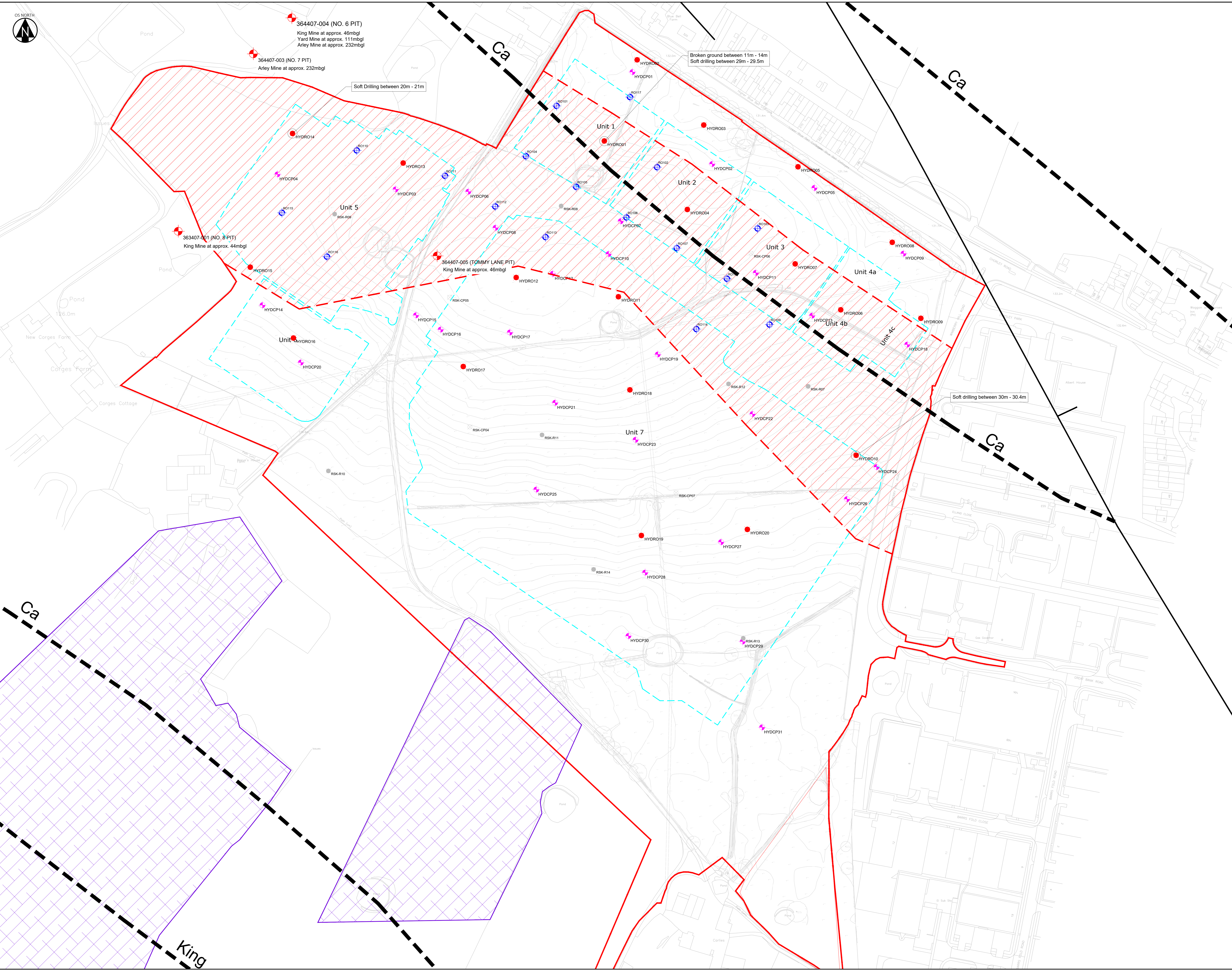
SCALE @ A0  
**1:1,000**

PURPOSE OF ISSUE  
**SUITABLE FOR INFORMATION**

STATUS  
**S2**

DRAWING NO. / PROJECT CODE / ORIGINATOR / ZONE LEVEL / TYPE / ROLE / NUMBER  
**15592-HYD-XX-XX-DR-GE-0006**

REVISION  
**P01**



**KEY**

- ROSK ROTARY BOREHOLE
- PCSK CABLE PERCUSSION BOREHOLE
- PROPOSED ADDITIONAL ROTARY BOREHOLE ON APPROXIMATE 50m GRID TO TARGET 1 DEPTH OF 25m
- RSK 2017 & 2018
- ROSK-CPXK CABLE PERCUSSION BOREHOLE
- ROSK-ROSK ROTARY BOREHOLE
- Mine Related Information
- PROX MINE ENTRY
- INDICATIVE ASSESSMENT OF AREA OF SUBSIDENCE RISK FROM POSSIBLE WORKINGS IN THE CANNEL SEAM
- CLAIM FOR ALLEGED SUBSIDENCE DAMAGE 2002/008 ALL CLAIMS REJECTED

**NOTES**

- All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Engineer for verification. Figured dimensions only are to be taken from this drawing.
- This drawing is to be read in conjunction with the Ground Investigation Report.
- This drawing has been based on the following drawings and information:
  - RSK: Wingates Northern Area Ph1, Topographical Survey, Drawing reference 193556 Fig. A Sheets 1 to 13, Dated 6th April 2018.
  - RI Design: Wingates Bolton, Detailed Planning Proposed Earthworks Plateaus, Drawing reference NW-180009-RI13-14-15-16-17-18-19-20-21-22-23-24-25, Dated 6th December 2019.
  - BGS: Wigan Bedrock Geology 1:50,000, Sheet 84.

**BRINSOP HALL COLLIERY, NO. 2 PIT, WESTHOUGHTON.**

Sheet LXXXVI, S.W.

N. 55° 04' 15" W. 2° 22' 55" E.	
1 Soil	1 0 f 1
2 Clay	3 0 w 1
3 Marl	25 0 1/2
4 Blue metal	25 0 1/2
5 Black base	4 0 1/4
6 COAL	0 11 1/2
7 Warrant	3 0 1/2
8 Linn	21 0 2/3
9 COAL	0 4 1/2
10 Warrant	2 0 1/2
11 Metal	8 0 1/2
12 Canal	0 1/2
13 COAL	0 1/2
14 Warrant	5 0 1/2
15 Rock	48 0 1/2
16 Metal	4 0 1/2
17 Ring Mine	2 9 1/2
COAL, tops	2 1 1/2
Warrant	1 4 1/2
COAL, bottoms	1 4 1/2
18 Warrant	3 0 1/2
19 Queen Mine	1 0 1/2
COAL	30 4
20 Warrant	5 0 1/2
21 Linn and rock	14 0 1/2
22 Metal	2 0 1/2
23 Stone	1 0 1/2
24 Metal	2 0 1/2
25 Ravine Mine	1 4 1/2
COAL	4 0 1/2
Warrant	5 0 1/2
COAL	2 7 1/2
26 Warrant	5 0 1/2
27 Metal	14 0 1/2
28 Linn	15 0 1/2
29 Stone	11 0 1/2
30 Metal	0 1/2
31 Linn	13 0 1/2
32 Metal	23 0 1/2
33 Linn	23 0 1/2
34 Rock	16 4 1/2
35 Metal	16 0 1/2
36 Yard Mine	2 9 1/2
COAL	20 4
37 Warrant	18 0 1/2
38 Metal	14 0 1/2
39 Rock band	10 0 1/2

PI	HYDROCK	15592-GNMA	AC	03/06/21	03/06/21
REV	REVISION NOTIFICATIONS				
REV	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY

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**CLIENT**  
HARWORTH ESTATES

**PROJECT**  
WINGATES INDUSTRIAL ESTATE, BOLTON

**TITLE**  
COAL MINING FEATURES PLAN

HYDROCK PROJECT NO. 15592-GNMA	SCALE @ A0 1:1000
PURPOSE OF ISSUE SUITABLE FOR INFORMATION	STATUS S2
DRAWING NO. / PROJECT CODE / ORIGINATOR / ZONE LEVEL / TYPE / ROLE / NUMBER 15592-HYD-XX-XX-DR-GE-0005	REVISION P1