

Location Symbols

- WS101 Approximate Window Sample Probehole Location
- TP101 Approximate Trial Pit Location
- WS201 Approximate Window Sample Probehole Location
- CP101 Approximate Cable Percussive Borehole Location

Bedrock Depth (m)

- Bedrock In Excess of 5.00m
- Depth of Bedrock Between 4.50 - 4.99m
- Depth of Bedrock Between 4.00 - 4.49m
- Depth of Bedrock Between 3.50 - 3.99m
- Depth of Bedrock Between 3.00 - 3.49m
- Depth of Bedrock Between 2.50 - 2.99m
- Depth of Bedrock Between 2.00 - 2.49m
- Depth of Bedrock Between 1.50 - 1.99m
- Depth of Bedrock Between 1.00 - 1.49m
- Depth of Bedrock Between 0.50 - 0.99m
- Depth of Bedrock Between 0.01 - 0.49m
- Bedrock not Encountered in Natural Strata
- Bedrock not Encountered in Made Ground

Notes

Phase	Revision	Date	Issue	Drawn	Authorised
P1	R1	06-06-2017	REVISION	CB	MD
P1	-	12-05-2017	DRAFT	CB	MD

Client:	LF Europe Ltd.	Job No.:	11-822	Date:	06-06-2017
Drawing No.:	006	Scale:	NTS @ A3		

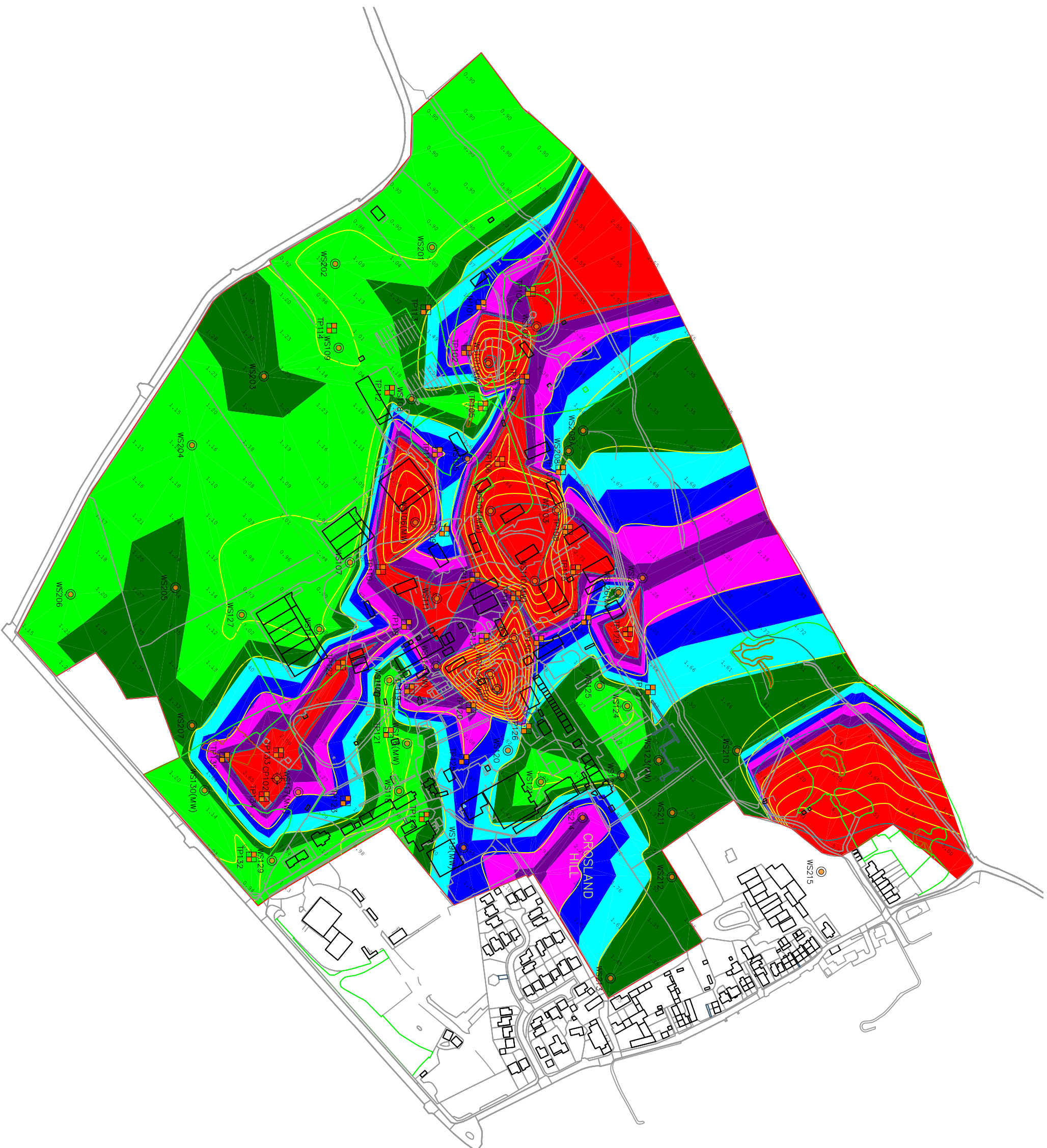
**Black Cat Fireworks,
Huddersfield**

Depth of Bedrock Plan



Environmental Energy Engineering Partnerships Ltd
 City Hallport & Business Centre
 Eccles, Manchester, M30 7SU
 Tel: 0161 707 9612
 E-mail: info@e3p.co.uk
 Website: www.e3p.co.uk

The client must not amend any drawing, design or other intellectual property produced by E3P Ltd without permission in writing from E3P Ltd in advance of any amendments being made. E3P Ltd shall not be liable for any damage and/or losses obtained in advance of the amendments being made. E3P Ltd shall not be liable for any damage and/or losses occurring as a result of the amended drawing, design or intellectual property.



Location Symbols

- WS101 Approximate Window Sample Probehole Location
- TP101 Approximate Trial Pit Location
- WS201 Approximate Window Sample Probehole Location
- CP101 Approximate Cable Percussive Borehole Location

Shallow Spread Footings

- Depth to Founding Strata 0.00 - 1.24m
- Depth to Founding Strata 1.25 - 1.49m

Mass Trench Fill Footings

- Depth to Founding Strata 1.50 - 1.74m
- Depth to Founding Strata 1.75 - 1.99m
- Depth to Founding Strata 2.00 - 2.24m

Engineered Footings

- Depth to Founding Strata 2.25 - 2.49m
- Depth to Founding Strata >2.50m

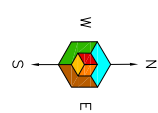
Notes

Client:	LF Europe Ltd.		
Phase:	P1	Revision:	07-06-2017
Date:	07-06-2017	Issue:	DRAFT
Drawn:	MD	Authorised:	MD
Job No.:	11-822	Date:	07-06-2017
Drawing No.:	007	Scale:	1:3500 @ A3
Job Title:	Black Cat Fireworks, Huddersfield	Drawing Title:	Depth to Founding Strata Plan

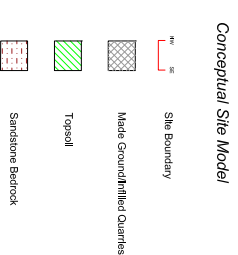
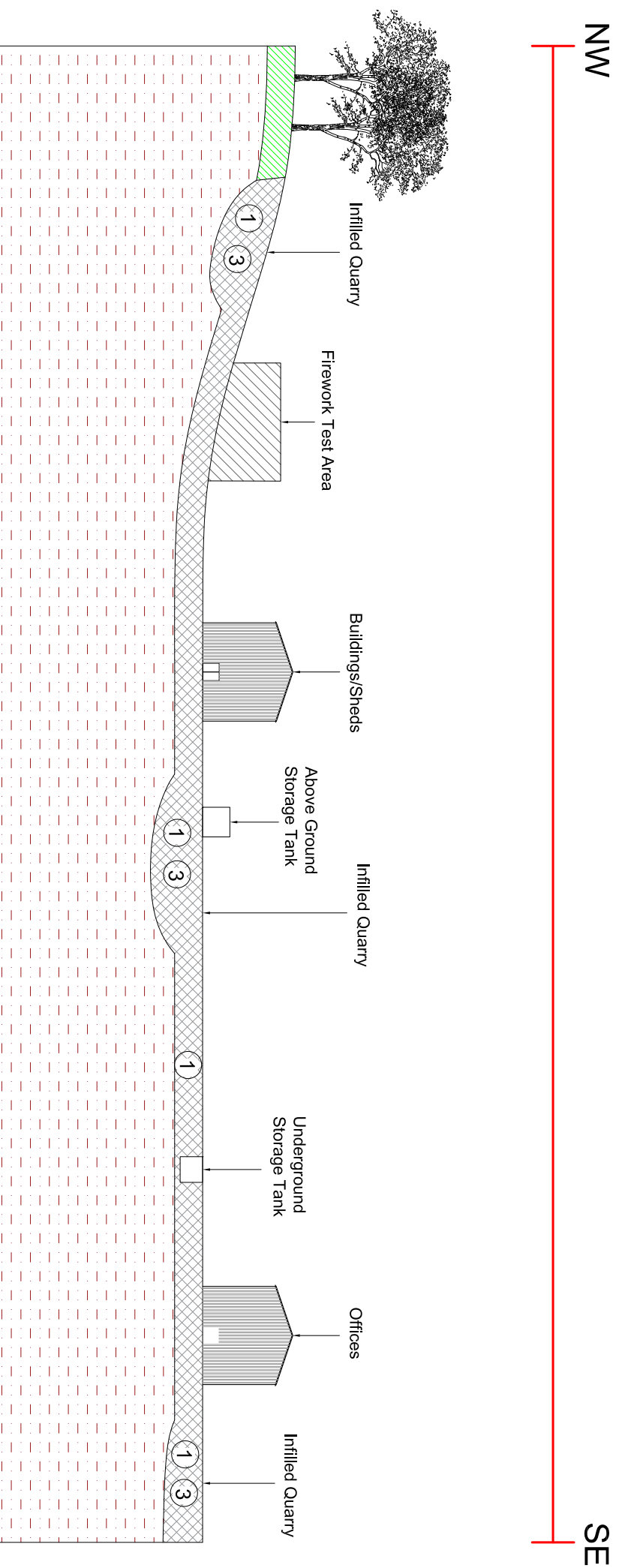


Environmental Engineering Partnerships Ltd
 City Helport & Business Centre
 Eccles, Manchester, M30 7RU
 Tel: 0161 707 9612
 E-mail: info@e3p.co.uk
 Website: www.e3p.co.uk

The client must not amend any drawing, design or other intellectual property produced by E3P Ltd without permission in writing from E3P Ltd in advance of any amendments being made. In the event that such written permission is not obtained in advance of the amendments being made, E3P Ltd shall not be liable for any damage and/or losses occurring as a result of the amended drawing, design or intellectual property.



ID	SOURCE	EXPOSURE	Potential Pathway
HUMAN HEALTH			
1	heavy and Hydrocarbons & Non Volatile Polycyclic Aromatic Hydrocarbon (PAH)	Dermal Contact and Ingestion Consumption of Home-grown Produce	Construction Workers & Residential End Users
2	Semi Volatile Polycyclic Aromatic, and petroleum and diesel range Hydrocarbon Compounds, Chlorinated Hydrocarbons	Volatilisation / Accumulation, Vapour Inhalation	Construction Workers & Residential End Users
3	Asbestos Containing Materials (ACM)	Fibre / Dust Inhalation	Construction Workers, Residential End Users & Third Party Property
4	Hazardous Ground Gases	Inhalation Accumulation Dermal Contact Consumption of Home-grown Produce	Construction Workers Residential End Users Construction Workers Residential End Users
5	PCB's	Dermal Contact Vertical Migration Lateral Migration	Secondary A Aquifer Surface Water Courses Residential End Users
CONTROLLED WATERS			
6	Water Soluble Mobile Contaminants	Vertical Migration	Secondary A Aquifer
BUILDING & INFRASTRUCTURE			
7	Water Soluble Mobile Contaminants	Corrosion of Concrete Chemical Corrosion	Foundations / Concrete Possible Water Supply
8	VOCS, THHS, Bromine, pH		



Conceptual Site Model

Phase	Revision	Date	Issue	Drawn	MD
P1	-	06-06-2017	DRAFT	CB	MD

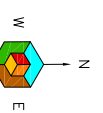
Client	Job No.	Date	Drawing No.	Scale
LF Europe Ltd.	11-822	06-06-2017	008	NTS @ A3

Job Title: **Black Cat Fireworks, Huddersfield**
Drawing Title: **Conceptual Site Model**

Environmental Engineering Partnerships Ltd
City Heights & Business Centre
Eccles, Manchester, M30 7RU
Tel: 0161 707 9612
E-mail: info@e3p.co.uk
Website: www.e3p.co.uk



The client must not amend any drawing, design or other intellectual property produced by E3P Ltd without permission in writing from E3P Ltd in advance of any amendments being made. E3P Ltd shall not be liable for any damage and/or losses obtained in advance of the amendments being made. E3P Ltd shall not be liable for any damage and/or losses occurring as a result of the amended drawing, design or intellectual property.



APPENDIX IV PHOTOGRAPHS





PLATE 1 – FACTORY SITE ACCESS ROAD



PLATE 2 – BURNING GROUND IN THE NORTH WEST





PLATE 3 – FIREWORK TEST AREA



PLATE 4 – DISTRIBUTION WAREHOUSES





PLATE 5: STORAGE SHEDS



PLATE 6: ABOVE GROUND STORAGE TANK





PLATE 7: DENSELY VEGETATED AREA TO THE SOUTH



PLATE 8: AGRICULTURAL LAND





PLATE 9: TP105 SANDSTONE



PLATE 10: TP107





PLATE 11: TP119



PLATE 12: TP133-MADE GROUND



**APPENDIX V
HISTORICAL MAPS**



Historical Mapping Legends

Ordnance Survey County Series 1:10,560

- Gravel Pit
- Sand Pit
- Other Pits
- Quarry
- Shingle
- Orchard
- Osiers
- Reeds
- Marsh
- Mixed Wood
- Deciduous
- Brushwood
- Fir
- Furze
- Rough Pasture
- Arrow denotes flow of water
- Trigonometrical Station
- Site of Antiquities
- Bench Mark
- Pump, Guide Post, Signal Post
- Well, Spring, Boundary Post
- 285** Surface Level
- Sketched Contour
- Instrumental Contour
- Main Roads
- Minor Roads
- Sunken Road
- Raised Road
- Road over Railway
- Railway over River
- Railway over Road
- Level Crossing
- Road over River or Canal
- Road over Stream
- Road over Stream
- County Boundary (Geographical)
- County & Civil Parish Boundary
- Administrative County & Civil Parish Boundary
- County Borough Boundary (England)
- County Burgh Boundary (Scotland)
- Rural District Boundary
- Civil Parish Boundary

Ordnance Survey Plan 1:10,000

- Chalk Pit, Clay Pit or Quarry
- Gravel Pit
- Sand Pit
- Disused Pit or Quarry
- Refuse or Slag Heap
- Lake, Loch or Pond
- Dunes
- Boulders
- Coniferous Trees
- Non-Coniferous Trees
- Orchard
- Scrub
- Coppice
- Bracken
- Heath
- Rough Grassland
- Marsh
- Reeds
- Saltings
- Building
- Glasshouse
- Sloping Masonry
- Pylon
- Electricity Transmission Line
- Pole
- Cutting
- Embankment
- Standard Gauge Multiple Track
- Standard Gauge Single Track
- Siding, Tramway or Mineral Line
- Narrow Gauge
- Geographical County
- Administrative County, County Borough or County of City
- Municipal Borough, Urban or Rural District, Burgh or District Council
- Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
- Civil Parish
Shown alternately when coincidence of boundaries occurs
- BP, BS Boundary Post or Stone
- Ch Church
- CH Club House
- F E Sta Fire Engine Station
- FB Foot Bridge
- Fn Fountain
- GP Guide Post
- MP Mile Post
- MS Mile Stone
- Pol Sta Police Station
- PO Post Office
- PC Public Convenience
- PH Public House
- SB Signal Box
- Spr Spring
- TCB Telephone Call Box
- TCP Telephone Call Post
- W Well

1:10,000 Raster Mapping

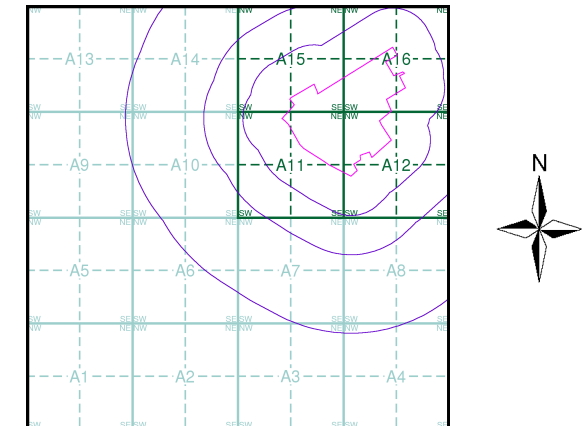
- Gravel Pit
- Rock
- Boulders
- Shingle
- Sand
- Slopes
- General detail
- Overhead detail
- Multi-track railway
- County boundary (England only)
- District, Unitary, Metropolitan, London Borough boundary
- Area of wooded vegetation
- Non-coniferous trees (scattered)
- Coniferous trees (scattered)
- Orchard
- Rough Grassland
- Scrub
- Water feature
- MHW(S) Mean high water (springs)
- Telephone line (where shown)
- Bench mark (where shown)
- Point feature (e.g. Guide Post or Mile Stone)
- Site of (antiquity)
- General Building
- Refuse tip or slag heap
- Rock (scattered)
- Boulders (scattered)
- Mud
- Sand Pit
- Top of cliff
- Underground detail
- Narrow gauge railway
- Single track railway
- Civil, parish or community boundary
- Constituency boundary
- Non-coniferous trees
- Coniferous trees
- Positioned tree
- Coppice or Osiers
- Heath
- Marsh, Salt Marsh or Reeds
- Flow arrows
- MLW(S) Mean low water (springs)
- Electricity transmission line (with poles)
- Triangulation station
- Pylon, flare stack or lighting tower
- Glasshouse
- Important Building



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:10,560	1854	2
Yorkshire	1:10,560	1894	3
Yorkshire	1:10,560	1908	4
Yorkshire	1:10,560	1930	5
Yorkshire	1:10,560	1938	6
Yorkshire	1:10,560	1948	7
Ordnance Survey Plan	1:10,000	1956	8
Ordnance Survey Plan	1:10,000	1966 - 1969	9
Ordnance Survey Plan	1:10,000	1978 - 1979	10
Ordnance Survey Plan	1:10,000	1980 - 1987	11
Ordnance Survey Plan	1:10,000	1993	12
10K Raster Mapping	1:10,000	2000	13
Street View	Variable		14

Historical Map - Slice A



Order Details

Order Number: 122396843_1_1
 Customer Ref: 11822
 National Grid Reference: 411050, 414460
 Slice: A
 Site Area (Ha): 33.22
 Search Buffer (m): 1000

Site Details

Black Cat Fireworks Ltd, Standard Drive, Crosland Hill, HUDDERSFIELD, HD4 7AD



Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



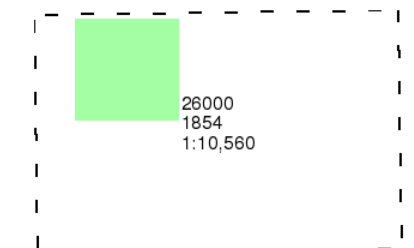
Yorkshire

Published 1854

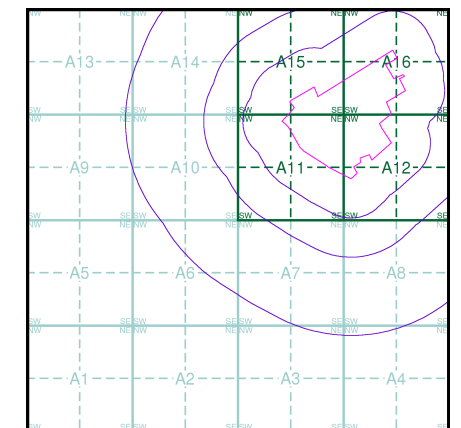
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 122396843_1_1
Customer Ref: 11822
National Grid Reference: 411050, 414460
Slice: A
Site Area (Ha): 33.22
Search Buffer (m): 1000

Site Details

Black Cat Fireworks Ltd, Standard Drive, Crosland Hill, HUDDERSFIELD, HD4 7AD



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

