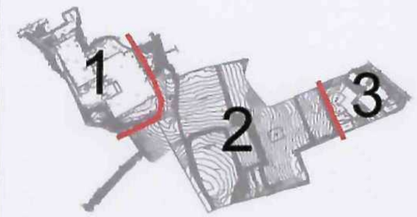
Subsoil Sampling Results Summary





1 - FORMER QUARRY SITE

2 - GREEN SPACE

3 - EXISTING SCHOOL SITE

N

PROPOSED EXPLORATORY HOLE LOCATIONS		
REF	Position X	Position Y
GS01	433116.883	406048.795
GS02	433107.567	406080.614
GS03	433141.485	406089.630
PF01	433125.899	406012.977
PF02	433134.716	405979.158
PF03	433143.732	405945.339
PF04	433152.748	405911.520
PF05	433159.502	406055.812
PF06	433159.518	406021.993
PF07	433168.534	405988.174
PF08	433177.551	405954.355
PF09	433186.567	405920.537
PF10	433195.583	405886.718
PF11	433204.600	405852.899
PF12	433213.616	405819.081
PF13	433176.304	406088.647
PF14	433194.320	406084.629
PF15	433193.337	406031.009
PF16	433202.353	405997.191
PF17	433211.369	405963.372
PF18	433220.386	405929.553
PF19	433229.402	405895.734
PF20	433238.418	405861.916
PF21	433247.435	405828.097
PF22	433209.123	406107.663
PF23	433218.139	406073.844
PF24	433227.155	406040.026
PF25	433236.172	406006.207
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PF27	433254.204	405938.569
PF28	433263.221	405904.751
PF29	433272.237	405870.932
PF30	433281.253	405837.113
PF31	433242.942	406116.679
PF32	433251.958	406082.861
PF33	433260.974	406049.042
PF34	433269.991	406015.223
PF35	433279.007	405981.404
PF36	433288.023	405947.586
PF37	433297.040	405913.767
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PF50	433337.628	406033.256
PF51	433346.644	405999.437
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PF53	433364.677	405931.800
PF54	433373.693	405897.981
PF55	433382.710	405864.162
PF56	433371.447	406042.272
PF57	433380.463	406008.453
PF58	433389.479	405974.635
PF59	433398.496	405940.816
PF60	433407.512	405906.997
PF61	433416.528	405873.179
PF62	433458.365	406031.288
PF63	433414.282	406017.470
PF64	433423.298	405983.651
PF65	433438.084	406060.305
PF66	433448.100	406026.486
PF67	433457.117	405992.667
PF68	433481.919	406035.502
PF69	433490.936	406001.684
SA01	433280.092	406143.080
SA02	433491.233	405972.720
SA03	433239.981	405838.195
SA04	433114.884	405998.438

0m 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m

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CONSTRUCTION.

MAINTENANCE/CLEANING/OPERATION.

DECOMMISSIONING/DEMOLITION.

Notes

General:

1 - No investigation points are located on the cricket square or hard standing features.
2 - All exploratory holes are to be marked out with spray paint.
3 - All exploratory hole locations will be backfilled and reinstated to the original condition.

Playing Field Notes (PF):

1 - PF exploratory holes will be 100mm diameter or less.
2 - Drivable access for the PF exploratory holes is restricted to the area highlighted on the location plan.

Soakaway Notes (SA):

1 - SA locations will be excavated with a machine.
2 - Envisaged plan view dimensions are likely to be in the order of 4m x 2m.
3 - Access routes to SA locations to incorporate ground protection as necessary and avoidable damage is to be reinstated.

PLAYING FIELD EXPLORATORY HOLE

GREEN SPACE EXPLORATORY HOLE

SOAKAWAY

RESTRICTED DRIVABLE ACCESS

No exceedence

Exceedence

pH <6 or >8

Note: pH values are not considered to be a human health risk.

Rev	Description	Date	Drn	Ch'd
02	COORDINATES ADDED	18/01/10	MB	DN
01	PRELIMINARY ISSUE	15/01/10	MB	DN

PRELIMINARY

Status of drawing

RECEIVED 23 JUL 2010 Civic Centre MAIL ROOM

2 Brewery Place
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Buro Happold
Consulting Engineers

Architect ATKINS

Project Barnsley BSF - Kingstone and Holgate

Drg Title Chemical Concentrations in subsoil

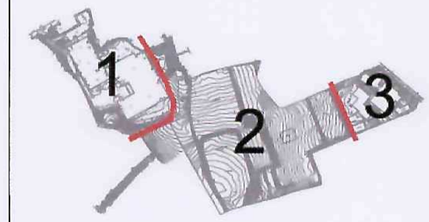
Scales@A1 1:1000
Drawn by PLG
Checked by DN
Date 30/03/10

Job No. 026077

Drawing No. BP4L_KIN_BUR_SK_92_SW_LL_02

Rev P02

Topsoil Sampling Results Summary



1 - FORMER QUARRY SITE

2 - GREEN SPACE

3 - EXISTING SCHOOL SITE

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MAINTENANCE/CLEANING/OPERATION.

DECOMMISSIONING/DEMOLITION.



PROPOSED EXPLORATORY HOLE LOCATIONS		
REF	Position X	Position Y
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GS03	433141.485	406089.630
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N

Notes

General:

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PLAYING FIELD EXPLORATORY HOLE

GREEN SPACE EXPLORATORY HOLE

SOAKAWAY

RESTRICTED DRIVABLE ACCESS

No exceedence

Exceedence

pH <6 or >8

Note: pH values recorded are not considered to be a human health risk. Landscape architect and/or pitch specialist should review impact on pitch requirements.

Rev	Description	Date	Drn	Chkd
02	COORDINATES ADDED	18/01/10	MB	DN
01	PRELIMINARY ISSUE	15/01/10	MB	DN

PRELIMINARY

Status of drawing

RECEIVED
23 JUL 2010
CORPORATE MAIL ROOM

2 Brewery Place
Brewery Wharf
Leeds LS10 1NE
UK
Tel: +44 (0)113 204 2200
Fax: +44 (0)870 787 4144
Email: 026077@burohappold.com
Web: www.burohappold.com

Buro Happold
Consulting Engineers

Architect ATKINS

Project **Barnsley BSF - Kingstone and Holgate**

Drg Title Chemical Concentrations in Topsoil

Scales@A1 1:1000
Drawn by PLG
Checked by DN
Date 30/03/10

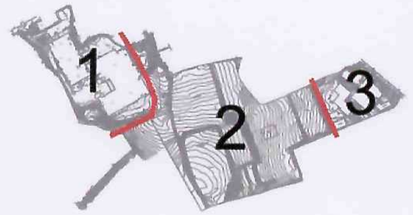
Job No. 026077

Drawing No. BP4L_KIN_BUR_SK_02_SW_LL_01

Rev P02

Karris Bid Cmds\077 Barnsley BSF - Phase 2\PB Documents & Site Investigation\Acad - Holgate and Kingstone\ACAD Sketches\BP4L_KIN_BUR_SK_02_SW_LL_01.dwg 30/03/2010 08:57:56 PLG





1 - FORMER QUARRY SITE

2 - GREEN SPACE

3 - EXISTING SCHOOL SITE

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DECOMMISSIONING/DEMOLITION.

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PLAYING FIELD EXPLORATORY HOLE

GREEN SPACE EXPLORATORY HOLE

SOAKAWAY

RESTRICTED DRIVABLE ACCESS

PROPOSED EXPLORATORY HOLE LOCATIONS

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SA04	433114.884	405908.438

0m 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m

Rev	Description	Date	Drn	Ch'd
02	COORDINATES ADDED	18/01/10	MB	DN
01	PRELIMINARY ISSUE	15/01/10	MB	DN

Status of drawing

RECEIVED 23 JUL 2010 Lindal/Marine MAIL ROOM

2 Brewery Place
Brewery Wharf
Leeds LS10 1NE
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Web: www.burohappold.com

Buro Happold
Consulting Engineers

Architect ATKINS

Project Barnsley BSF - Kingstone and Holgate

Drg Title Phase 1 - Proposed Exploratory Hole Location Plan - Green Space

Scales@A1 1:1000
Drawn by MB
Checked by DN
Date 15/01/2010

Job No. 026077

Drawing No. BP4L_HK_BUR_GEO_2

Rev 02

Barnsley BSF\026077 Kingstone BSF - Phase 2\04 Development & Site Investigation\Drawings and Graphics\AutoCAD\Drawings\BP4L_HK_BUR_GEO_2.dwg 26/01/2010 09:49:42



Known outstanding issues:

1) ~~Former SR Gent site is not currently under BMBC ownership.~~ Purchased.
2) ~~Service information outstanding~~. Received from WSP.
3) Former landfill - unknown type of waste. Material sampled and assessed.
4) Existing petrol station - Shell Barnsley - Level 1, 2, or 3? Clean up to B1 not D1.
5) Demolition of existing school, strategy and programme.
6) ~~Site perimeter fence line.~~
7) ~~Security perimeter fence line.~~
8) ~~Red line boundary - is this the top or base of the quarry face?~~ Top of quarry face. Exact line TBC.
9) GI required (Ground sequence/ contamination/ ground gas).
10) Footpath diversion - route and strategy to be agreed.
11) ~~Quarry face stabilization measures.~~ Preliminary strategy 1:3 slope.
12) ~~Drainage strategy (gravity v pumped).~~ Pumped.
13) Earthworks strategy. Raise quarry base by 1.50 m fill plus 0.50 m build up.
14) Pitch access from school (split level/ bridge).
15) Derogate risk of shafts and adits.
16) Derogate risk of surface depressions.
17) Derogate risk of untreated old mine workings and voids.
18) Land registry/ownership gap?
19) Stanchion survey (to be completed).

Notes:

1) ~~Topographical survey is currently at local grid. See also VC sketch (ref. email 6/1/10 K-H ALC.pdf) showing areas to be extended.~~
2) Please note all previous ground investigation exploratory hole locations are approximate.
3) Co-ordinates of shaft and adits provided by Coal Authority. Please note the adit co-ordinates are only approximate.
4) ~~Still awaiting some of the Abatech GI (2007) information - drawing no S6/033/201 part 2.~~
5) Planning condition No. 16: written permission is required from local planning authority to use piling/ penetrative methods for foundations.

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CONSTRUCTION.

MAINTENANCE/CLEANING/OPERATION.

DECOMMISSIONING/DEMOLITION.

- Unknown land ownership
- Approximate red line boundary
- Proposed building location
- Former SR Gent Factory location
- Existing Holgate School buildings
- Existing Shell petrol station
- 'Refuse Tip' (from historical maps)
- Infilled 'pond' (from historical maps)
- Existing tennis courts/running track
- Japanese Knotweed location
- Surface collapses in the past (SYMAS)
- Recorded surface depression (1980's)
- Grouted area - shallow workings in Barnsley Seam (June 2003). Approx. 6 m deep. 216 T.
- Old mine workings and voids - untreated, ~11m deep (Jan 2003).
- Direction of slope
- Disused shaft location
- Adit location
- CCG GI - Borehole location ('09)
- CCG GI - Window sample location ('09)
- CCG GI - Trial pit location ('09)
- Abatech GI - Rot borehole location ('07)
- Abatech GI - CP borehole location ('07)
- Abatech GI - Window sample location ('07)
- Abatech GI - Trial pit location ('07)
- CCG GI - Trial pit location ('06)
- FWS GI - Window sample location ('06)
- FWS GI - Borehole location ('06)
- CCG holes proposed but not completed
- Conjectured outcrop of Barnsley Seam
- Public footpath - to be diverted
- Geological Fault
- Former quarry/old brick pit/landfill boundary (historical map)

Rev	Description	Date	Drn	Ch'd

WORK IN PROGRESS

Status of drawing

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2 Brewery Place
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Buro Happold
Consulting Engineers

Architect ATKINS

Project Barnsley BSF - Holgate Kingstone ALC

Drg Title Site Contraints

Scales@A1 1:1500
Drawn by FLG
Checked by DFN
Date 04/05/10

Job No. 026077
Drawing No. BP4L_KIN_BUR_SK_91_SW_LL_01
Rev 06

Iwrb Ref: D\026077 Barnsley BSF - Phase 3\Y3 Project Manager\Correspondence\BP-KIN-BSDLetter_29JUL2008_DWG Ref.dwg