

APPENDIX IV

GEOTECHNICAL LOGS AND PHOTOGRAPHS OF TRIAL PITS



THE ENTERPRISE CENTRE,
MERTHYR INDUSTRIAL PARK,
PENTREBACH,
MERTHYR TYDFIL,
SOUTH WALES,
CF48 4DR.

BLANDFORD CONSULTING

Geologists Working With The Environment....

PROJECT: Merthyr Rugby Field

CLIENT: Merthyr Rugby Club

Trial Pit: 1

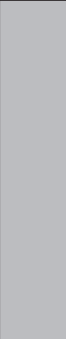
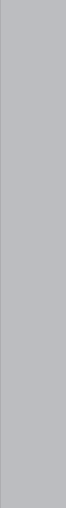
Equipment Used: JCB



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Depth	Description	Legend	Backfill/ Installations
1 1.20m	MADE GROUND Firm, orangish brown, silty gravelly CLAY. Gravel is sub-rounded, fine and medium of sandstone.		
2 3.00m	MADE GROUND Loose, reddish and orangish-brownish black occasionally patchy burnt red, fine to coarse SAND and angular to rounded GRAVEL of furnace ash with isolated and patchy porcelain, glass and steel. Isolated sub-rounded cobble of furnace slag.		
3 3.30m	Very compact material - unable to acquire sample or observe clean cut face from a safe location.		
4	Trial Pit terminated at 3.30m.		

Stability: No shoring installed

Dimensions: Width: 0.90m, Length 2.20m, Depth 3.30m

Samples Collected: No samples

Groundwater: None encountered

Comments:

Excavation: Easy from GL to 3.00m
Very Difficult from 3.00m to 3.30m

Date: 11th August 2016

Engineer: Andrew Jones

Report No: BC/MB/07.22.04.

Photographic Plates: Trial Pit 1



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Report No. BC/MB/07.22.04

Study on Land at
Merthyr Rugby Club.



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PROJECT: Merthyr Rugby Field

CLIENT: Merthyr Rugby Club

Trial Pit: 2

Equipment Used: JCB



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Depth	Description	Legend	Backfill/ Installations
1 1.20m	MADE GROUND Firm, orangish brown, silty gravelly CLAY. Gravel is sub-rounded, fine and medium of sandstone.		1.20m
1.40m	MADE GROUND Very soft, blackish-brown mottled dark brown, silty gravelly CLAY. Gravel is sub-angular to sub-rounded fine sandstone and furnace ash.		0.20m
2 3.20m	MADE GROUND Loose, reddish and orangish-brownish black occasionally patchy burnt red, fine to coarse SAND and angular to rounded GRAVEL of furnace ash with isolated and patchy porcelain, glass and steel. Isolated sub-rounded cobble of furnace slag.		1.80m
3.40m	Very compact material - unable to acquire sample or observe clean cut face from a safe location.		>0.20m
4	Trial Pit terminated at 3.40m.		

Stability: No shoring installed

Dimensions: Width: 0.90m, Length 2.20m, Depth 3.40m

Samples Collected: No samples

Groundwater: None encountered

Comments:

Excavation: Easy from GL to 3.20m
Very Difficult from 3.20m to 3.40m

Date: 11th August 2016

Engineer: Andrew Jones

Report No: BC/MB/07.22.04.

Photographic Plates: Trial Pit 2



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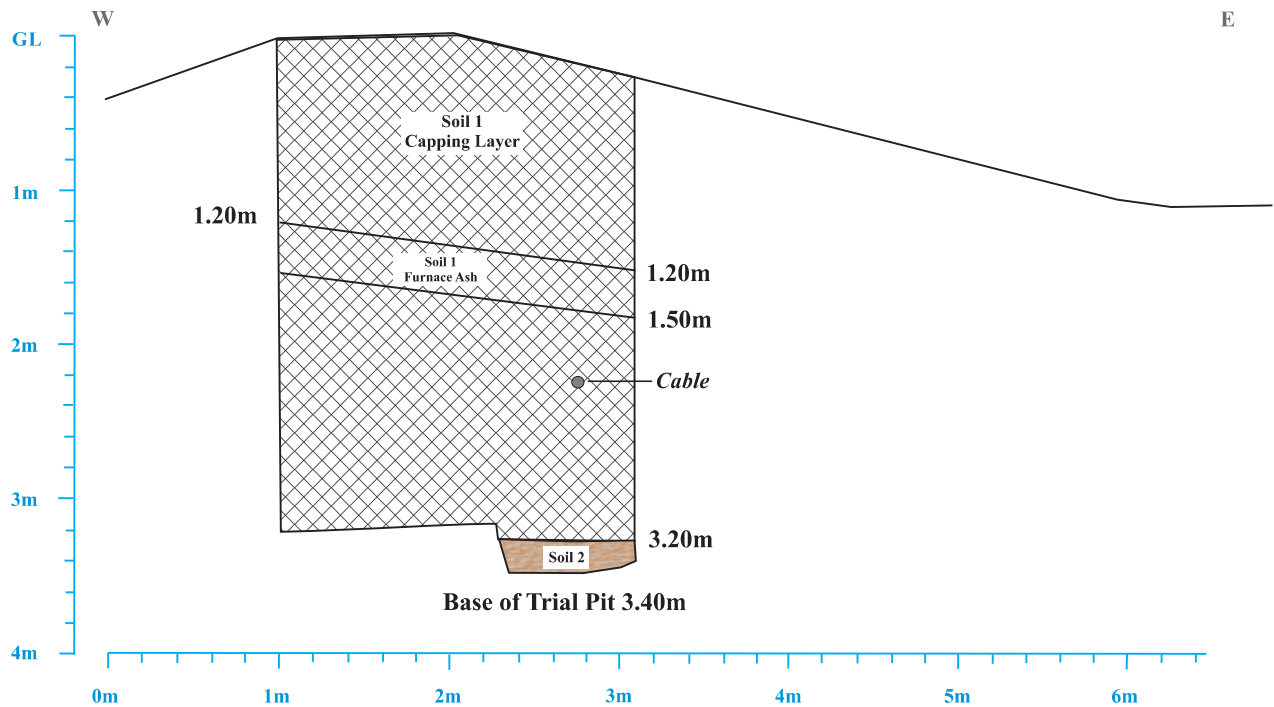
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Sketch: Trial Pit 2



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PROJECT: Merthyr Rugby Field

CLIENT: Merthyr Rugby Club

Trial Pit: 3

Equipment Used: JCB



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Depth	Description	Legend	Backfill/ Installations
1 1.20m	MADE GROUND Firm, orangish brown, silty gravelly CLAY. Gravel is sub-rounded, fine and medium of sandstone.		1.20m
2 3.10m	MADE GROUND Loose, reddish and orangish-brownish black occasionally patchy burnt red, fine to coarse SAND and angular to rounded GRAVEL of furnace ash with isolated and patchy porcelain, glass and steel (increasing with depth) and brick. Isolated sub-rounded cobble of furnace slag. Cable encountered at 1.50m in original excavation.		1.90m
3 3.50m	Compact, dark orange mottled orangish-brown, yellowish-brown and red clayey, fine and medium gravelly cobbly SAND. Gravel is sub-angular to sub-rounded fine to coarse of sandstone. Cobbles are sub-angular to sub-rounded of sandstone.		>0.40m
4	Trial Pit terminated at 3.50m. Original Trial Pit terminated at 1.50m (extended as shown in sketch).		

Stability: No shoring installed

Dimensions: Width: 0.90m, Length 2.20m, Depth 3.50m

Samples Collected: No samples

Groundwater: None encountered

Comments:

Excavation: Easy from GL to 3.10m
Very Difficult from 3.10m to 3.50m

Date: 11th August 2016

Engineer: Andrew Jones

Report No: BC/MB/07.22.04.

Photographic Plates: Trial Pit 3



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Photographic Plates: Trial Pit 3



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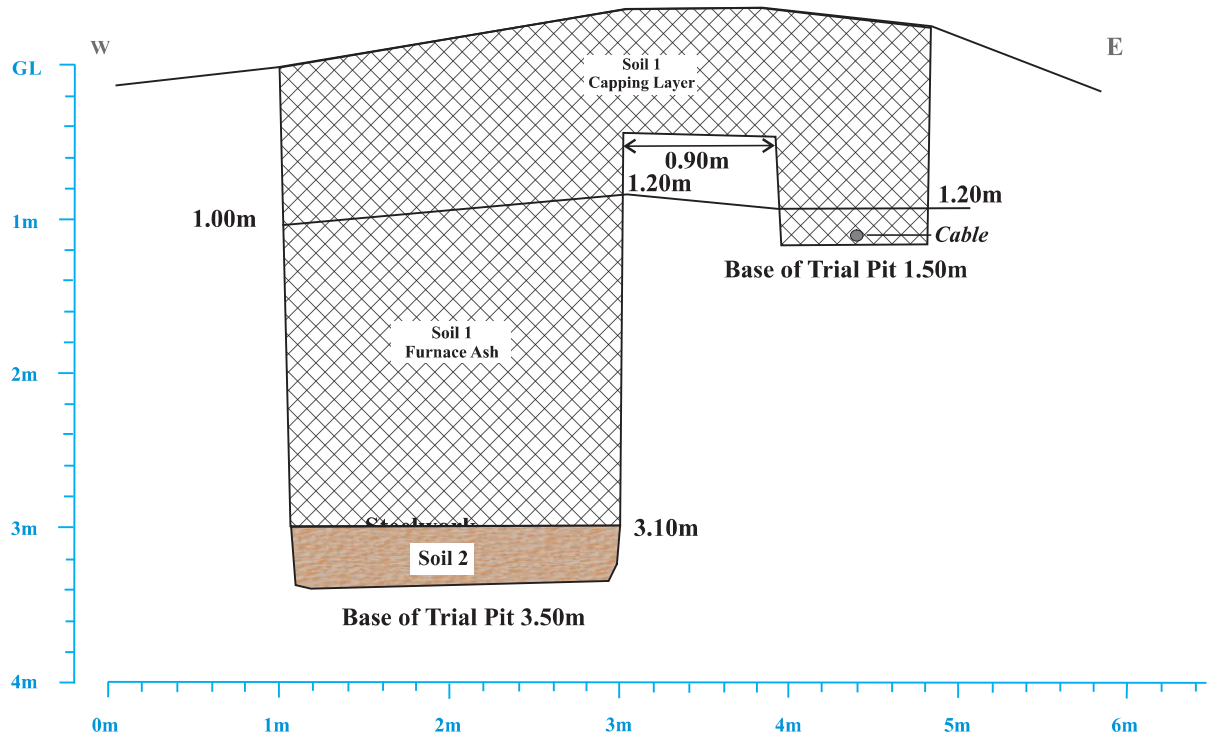
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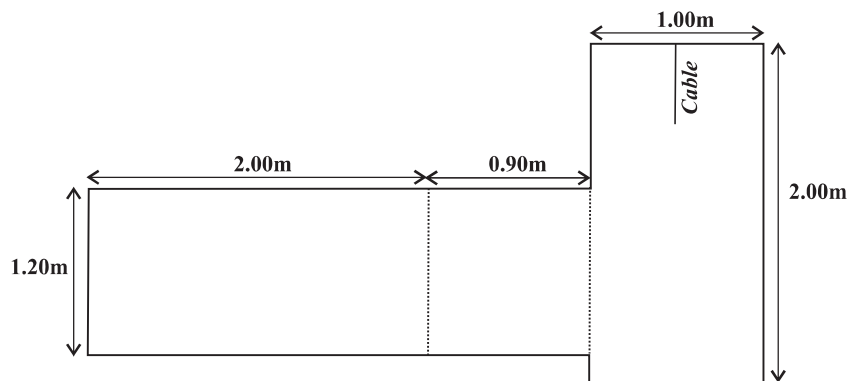
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Sketch: Trial Pit 3



Plan of Trial Pit



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PROJECT: Merthyr Rugby Field

CLIENT: Merthyr Rugby Club

Trial Pit: 4

Equipment Used: JCB



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Depth	Description	Legend	Backfill/ Installations
0.60m	MADE GROUND Firm, orangish brown, silty gravelly CLAY. Gravel is sub-rounded, fine and medium of sandstone.		1.20m
1	MADE GROUND Loose, reddish and orangish-brownish black occasionally patchy burnt red, fine to coarse SAND and angular to rounded GRAVEL of furnace ash with isolated and patchy porcelain, glass and steel. Isolated sub-rounded cobble of furnace slag.		1.80m
2			
3 3.00m	Very compact material - unable to acquire sample or observe clean cut face from a safe location.		>0.30m
3.30m			
4	Trial Pit terminated at 3.30m.		

Stability: No shoring installed

Dimensions: Width: 0.90m, Length 2.20m, Depth 3.30m

Samples Collected: No samples

Groundwater: None encountered

Comments:

Excavation: Easy from GL to 3.00m
Very Difficult from 3.00m to 3.30m

Bearing: 0.45

Engineer: Andrew Jones

Report No: BC/MB/07.22.04.

Photographic Plates: Trial Pit 4



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PROJECT: Merthyr Rugby Field

CLIENT: Merthyr Rugby Club

Trial Pit: 5

Equipment Used: JCB



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Depth	Description	Legend	Backfill/ Installations
0.70m	MADE GROUND Loose, reddish and orangish-brownish black occasionally patchy burnt red, fine to coarse GRAVEL and COBBLE of brick, concrete, masonry and minor sandstone. Incidental porcelain, steel, cable and some glass.		0.70m
1	MADE GROUND Loose, reddish and orangish-brownish black occasionally patchy burnt red, fine to coarse SAND and angular to rounded GRAVEL of furnace ash with isolated and patchy porcelain, glass and steel. Isolated sub-rounded cobble of furnace slag.		2.20m
2			
2.90m			
3	Compact, dark orange mottled orangish-brown, yellowish-brown and red clayey, fine and medium gravelly cobbly SAND. Gravel is sub-angular to sub-rounded fine to coarse of sandstone. Cobbles are sub-angular to sub-rounded of sandstone.		>0.50m
3.40m			
	Trial Pit terminated at 3.40m.		
4			

Stability: No shoring installed

Dimensions: Width: 0.90m, Length 2.20m, Depth 3.40m

Samples Collected: No samples

Groundwater: None encountered

Comments:

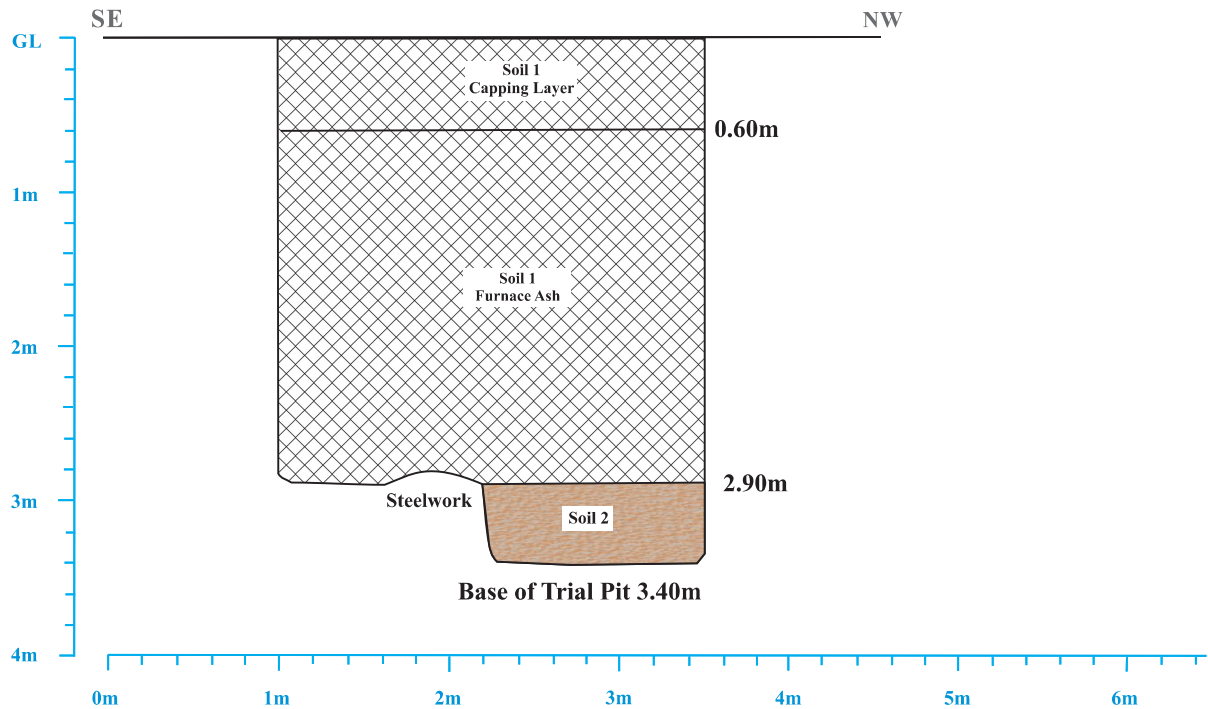
Excavation: Easy from GL to 2.90m
Very Difficult from 2.90m to 3.40m

Date: 11th August 2016

Engineer: Andrew Jones

Report No: BC/MB/07.22.04.

Sketch: Trial Pit 4



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Photographic Plates: Trial Pit 5



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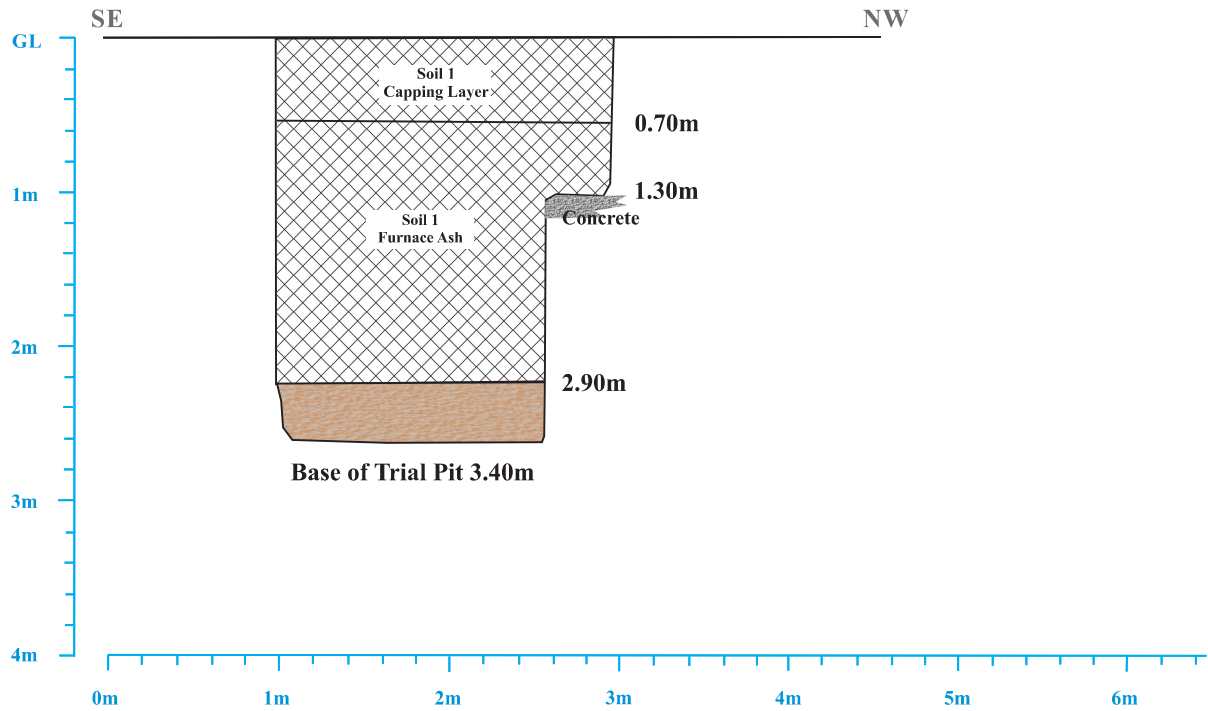
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Sketch: Trial Pit 5



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