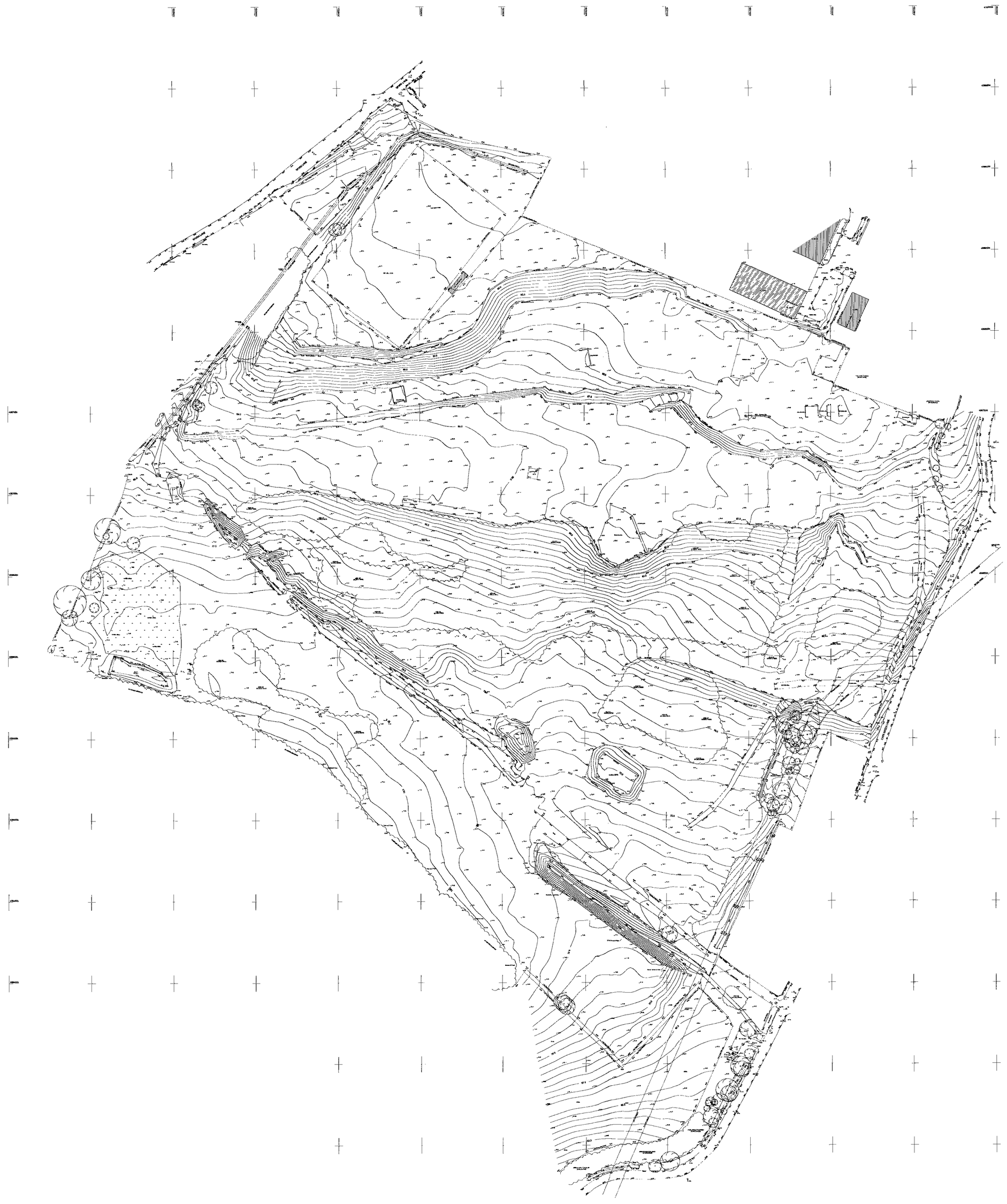


NOTES

ALL LEVELS ARE RELATED TO OSBM VALUE OF - (OSTN02) (GPS)

COORDINATE GRID IS BASED ON OSGB36 CO-ORDINATE SYSTEM (GPS)

Station	Easting	Northing	Level
MP01	433577.287	409648.675	67.448
MP02	433601.578	409677.166	64.418
MP03	433596.428	409719.539	67.010
MP04	433603.070	409810.783	66.879
MP05	433595.441	409836.567	67.178
MP06	433595.481	409858.667	93.318
MP07	433595.883	409832.992	93.462
MP08	433557.623	409814.479	93.113
MP10	433591.069	409676.046	66.131
MP11	433571.703	409652.488	66.825
MP12	433551.703	409652.488	66.825
MP13	433537.822	409501.176	66.771
MP16	433142.211	409355.843	64.313
MP15	433111.689	409235.304	63.237
MP22	433076.175	409423.574	72.373
MP23	433062.130	409436.994	73.926
MP24	433047.213	409449.629	72.825
MP25	433018.587	409471.897	73.315
MP26	432997.809	409487.660	73.253
MP28	432137.669	409418.809	69.099
MP30	432111.194	409427.302	68.591
MP42	431985.516	409440.486	74.653
MP43	431932.915	409510.232	74.125
MP50	432063.261	409610.233	85.548
MP51	432065.137	409608.023	85.554
MP52	432066.387	409596.577	86.858
MP53	432061.923	409586.577	86.858
MP54	432081.664	409738.501	84.699
MP55	432781.664	409717.926	81.129
MP56	432776.374	409715.636	80.339

KEY

LEVELS

OBM	Ordnance Bench Mark
CL	Cellar Level
FTL	Finished Floor Level
FRL	Flat Roof Level
IL	Invert Level
SSL	Structural Sett Level
WL	Water Level

BUILDINGS - HEIGHTS ABOVE FLOOR

C	Ceiling
DH	Door Head
FC	False Ceiling
WC	Window Cill
WH	Window Head

INSPECTION CHAMBERS

AC	Access Cover
CA	Cattle Access
CC	Concrete Cover
EC	Electric Inspection Chamber
HYD	Fire Hydrant
IMH	Foul Water Inspection Chamber
GC	Inspection Cover
GIC	Gas Inspection Chamber
GV	Gas Valve
G	Grid
IC	Inspection Chamber
JB	Junction Box
KO	Kerb to us
RE	Kooking Rye
MH	Manhole
SWCP	Surface Water Catch Pit
SWMH	Surface Water Inspection Chamber
ST	Telephone Inspection Chamber
U	Unidentified
VC	Vacuum Cell
WIC	Vacuum Inspection Chamber
WM	Water Meter
WSV	Water Stop Valve

PIPES

GP	Gas Pipe
SVP	Soil & Vent Pipe
SVP	Sewer Vent Pipe
VP	Vent Pipe
PVP	Pvcu Vent Pipe

POSTS

CPO	Concrete Post
FHO	Fire Hydrant Marker
FPO	Fence Post
GM	Gas Marker Post
GPO	Gate Post
MP	Marker Post
UPC	Unidentified
WPO	Mast Post
RP	Reflector Post
TPO	Timber Post

STREET FURNITURE

BB	Bollard Beacon
BO	Bollard
BS	Bus Stop
DK	Drop Kerb
EC	Electric Cupboard
FH	Fire Hydrant
FB	Flower Border
FL	Flood Light
FP	Flag Pole
LB	Light Bollard
LC	Lamp Column
LP	Lamp Post
NP	Name Plate
PM	Parking Meter
RS	Road Sign
SI	Sign
STN	Survey Station
TL	Traffic Light
TCB	Traffic Light Control Box
TP	Telephone Pole

FENCES

BW	Barbed Wire
CF	Chain Fence
CL	Chain Link
CP	Chestnut Paling
CW	Cat-Lo Post & Wire
SP	Steel Palisade
WF	Wood Fence
WR	Post and Rail
RTW	Retaining Wall

LEGEND

- SPOT LEVEL
- SURVEY STATION
- WATER FEATURE (LDTCH ETC)
- SAPLING
- BUSH/SHRUB
- HEDGE/ARRA OF UNDERGROWTH
- TREE (SPREAD TO SCALE)
- BUILDING
- CONTOUR
- BORE HOLE/TEST HOLE
- TRIAL PIT
- RETAINING WALL
- BUILDING/WALLS
- GATE
- STILE
- KERB LINE
- RANKING
- ROCKFACE
- OSBM VALUE ORDNANCE SURVEY BENCH MARK
- TBM VALUE TEMPORARY BENCH MARK/SITE DATUM

REVISIONS

CLIENT

A division of UK COAL PLC

SITE

FORMER Nth GAMBER COLLIERY
MAPPLEWELL,
BARNSLEY.

DRAWING

TOPOGRAPHICAL SURVEY

DRAWING NUMBER 09632-T84	SURVEYED BY CP	DATE APR 2007
REVISION No.	DRAWN BY CP	SCALE 1:1000 on A0

APS Surveying Services

Land Surveying & Site Engineering
The Office, 7 Thurnscoe Road
Bolton-upon-Dearne
Rotherham, S63 8JW
Tel/Fax (01709) 894322 / 891433
Mobile (07785) 352291
E-mail info@apssurveying.co.uk



Harworth Estates
A division of UK COAL PLC

Job
residential development proposals
Former North Gawber Colliery

Title
Preliminary Masterplan

Drawn	mpj	Date	Aug 09
Scale	1/1250	Dwg No.	

MPJ DESIGN ASSOCIATES ltd
6 St-HUNTERS DRIFT
BARLBOROUGH
CHESTERFIELD, S43 4WA

tele: 01246 819032
mob: 07841 353141
morlynpowell@btinternet.com

MPJ DESIGN



LEGEND

- APPROXIMATE SITE BOUNDARY
- AREA DESIGNATIONS
- TP1 — TRIAL PIT
- RO1 — ROTARY OPENHOLE BOREHOLE
- BH101 — CABLE PERCUSSION BOREHOLE
- BH109P — DENOTES 2008 BOREHOLE WITH PIEZOMETER USED FOR GROUNDWATER SAMPLE
- TP01 — TRIAL PIT (2005)
- BH01 — BOREHOLE (2005)
- SHAFT
- DRIFT
- CONCRETE / HARD STANDING
- A — SURFACE WATER SAMPLES

REVISION	By	Date	Rev.

Client: HARWORTH ESTATES LTD

Project: NORTH GAWBER COLLIERY SITE, BARNSLEY REVISED REMEDIAL METHOD STATEMENT

SCOTT DOHERTY associates
Derwentside Business Centre
Consett Business Park
Consett
Co.Durham
DH8 6BP
Tel. (01207) 693600

Drawing Title: REVISED SITE AND EXPLORATORY HOLE LOCATION PLAN FIGURE 2

Drn	Date	Checked	Passed
JCF	JULY 09	DJL	MJD

Drawing Number: SDA/09022/12

Scales: PLAN 1:1000

Status: FINAL

EX. FOUL and SURFACE WATER SEWERS TO BE ACCOMMODATED WITHIN SCHEME THROUGH EASEMENT OR DIVERSION

CISWO RETIREMENT VILLAGE

PEDESTRIAN LINK TO CARR GREEN LANE

CENTRAL OPEN SPACE

RE-ALIGNED WATERCOURSE

TING FOOTPATH ROUTES
ORPORATED INTO DEVELOPMENT

LINEAR OPEN SPACE CONTAINING ECOLOGICAL AND WILDLIFE HABITAT

REPLACEMENT FOOTBALL PITCH INCLUDING PARKING AND POTENTIAL CHANGING FACILITIES

MOORSIDE CLOSE
BRAMFIELDS
SPINK LANE
MALINCROFT
BLACKER ROAD
MAPPLEWELL DRIVE
HAMBLE COURT
FERN CLOSE
OAK CLOSE
SYCAMORE CLOSE
CARR GREEN LANE
BEAULIEU CLOSE
BRAILEY VIEW
EDWARD STREET
CARRION DRIVE
SKY CLOSE
GREY CLOSE
HILL END ROAD
CHARLTON AVENUE

0 20m 50m 100m

A1@1:250

THIS DRAWING IS THE COPYRIGHT OF MPJ DESIGN ASSOCIATES Ltd AND IS INTENDED FOR THE PURPOSES OF ILLUSTRATIVE MASTERPLANNING ONLY.

Key

- PROPOSED RESIDENTIAL showing buffer planting
- CISWO RETIREMENT VILLAGE
- PUBLIC OPEN SPACE
- ECOLOGICAL AMENITY AREA
- COMMUNITY FOOTBALL FACILITY showing screen planting
- PRIMARY ROUTE THROUGH SITE formed by boulevard
- PEDESTRIAN ROUTES THROUGH SITE
- EXISTING BUILT-UP ENVIRONMENT
- EXISTING EMPLOYMENT

TOTAL SITE AREA	**17.5 h**
made up of:	
UK Coal LAND HOLDING	15.7 h
CISWO LAND HOLDING	1.80 h

DEVELOPMENT USAGE

NEW FOOTBALL FACILITIES	1.50 h
RETIREMENT VILLAGE	1.13 h
ECOLOGICAL AMENITY AREA	2.95 h
CENTRAL/LINEAR OPEN SPACE	1.41 h
OTHER AMENITY AREAS incl. o/h lines	0.60 h
RESIDENTIAL AREA	9.98 h

Harworth Estates
A division of UK COAL PLC

Job: proposed residential development
Former North Gawber Colliery
Mapplewell

Title: Masterplan

Drawn	mpj	Date	Sept 09
Scale	1/1250	Dwg No	09/032-01

MPJ DESIGN ASSOCIATES Ltd
6 SHUNTERS DRIFT
BARLBOROUGH
CHESTERFIELD, S43 4WL

tele: 01246 819032
mob: 07841 353141
martynpjones@btinternet.com

MPJ DESIGN



LEGEND

(red line)	APPROXIMATE SITE BOUNDARY
(blue line)	AREA DESIGNATIONS
TP1	TRIAL PIT
RO1	ROTARY OPENHOLE BOREHOLE
BH101	CABLE PERCUSSION BOREHOLE
BH109P	DENOTES 2008 BOREHOLE WITH PIEZOMETER USED FOR GROUNDWATER SAMPLE
TP01	TRIAL PIT (2005)
BH01	BOREHOLE (2005)
	SHAFT
	DRIFT
	CONCRETE / HARD STANDING
A	SURFACE WATER SAMPLES

REVISION | By | Date | Rev.

Client: HARWORTH ESTATES LTD

Project: NORTH GAWBER COLLIERY SITE, BARNSLEY FOOTBALL PITCH SITE GROUND INVESTIGATION REPORT

SCOTT DOHERTY associates
Derwentside Business Centre
Consett Business Park
Consett
Co.Durham
DH8 6BP
Tel. (01207) 693600

Drawing Title: PREVIOUS EXPLORATORY HOLE LOCATION PLAN FIGURE 2

Drn	Date	Checked	Passed
JCF	AUG 09	BJ	MJD

Drawing Number: SDA/09022/18

Scales: PLAN 1:1000

Status: FINAL

LEGEND

- APPROXIMATE SITE BOUNDARY
- AREA DESIGNATIONS
- TP1 — TRIAL PIT
- RO1 — ROTARY OPENHOLE BOREHOLE
- BH101 — CABLE PERCUSSION BOREHOLE
- BH109P — DENOTES 2008 BOREHOLE WITH PIEZOMETER USED FOR GROUNDWATER SAMPLE
- TP01 — TRIAL PIT (2005)
- BH01 — BOREHOLE (2005)
- A A' — GEOLOGICAL CROSS SECTION
- SHAFT
- DRIFT
- CONCRETE / HARD STANDING
- A — SURFACE WATER SAMPLES

AREA 1
AREA 2
AREA 3
AREA 4
AREA 5

REPRODUCED FROM THE ORDNANCE SURVEY MAP WITH PERMISSION OF THE CONTROLLER OF H.M. STATIONERY OFFICE. © CROWN COPYRIGHT LICENCE No. AL 91985W/A

REVISION	By	Date	Rev.

Client: HARWORTH ESTATES LTD

Project: NORTH GAWBER COLLIERY SITE, BARNSLEY SUPPLEMENTARY GROUND INVESTIGATION REPORT

Drawing Title: REVISED SITE AND EXPLORATORY HOLE LOCATION PLAN FIGURE 3

Drn	Date	Checked	Passed
JCF	JUNE 09	DJL	MJD

Drawing Number: SDA/09022/03

Scales: PLAN 1:1000

Status: FINAL

SCOTT DOHERTY associates
Devonshire Business Centre
Consett Business Park
Consett
Co.Durham
DH8 6BP
Tel. (01207) 505500

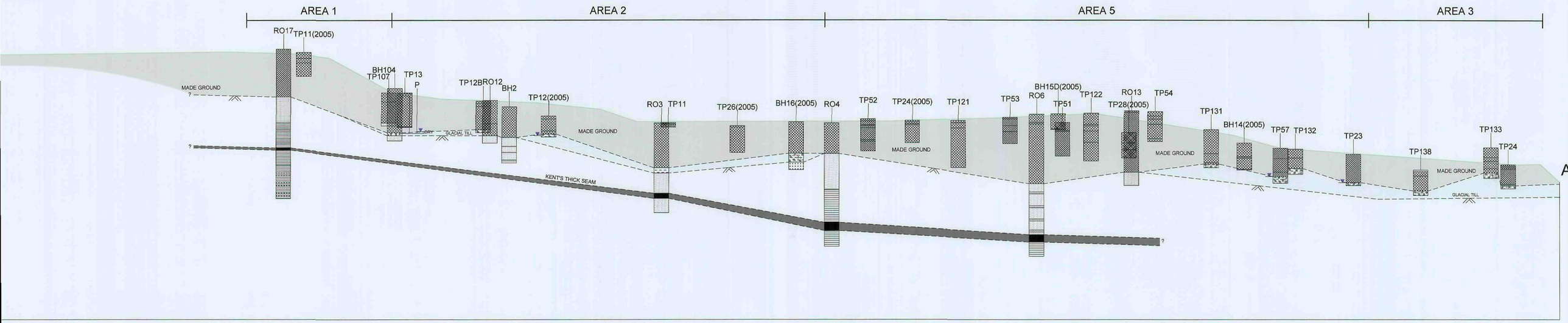
MADE GROUND
CLAY
SILT
SAND
GRAVEL
SANDSTONE
MUDSTONE
SILTSTONE
COAL

MADE GROUND
GLACIAL TILL

NOTE
A combination of the symbols denotes a composite soil type.
Ground conditions between trial pits/boreholes should be regarded as approximate only and may be different on site.
Refer to trial pit/borehole logs for detailed soil descriptions

P = Piezometer
Water level in Piezometer
Rise in water level after 20 minutes monitoring period

Client	HARWORTH ESTATES LTD
Project	NORTH GAWBER COLLIERY SITE, BARNSLEY SUPPLEMENTARY GROUND INVESTIGATION REPORT
Drawn	JCF
Date	JUNE 09
Checked	DJL
Passed	MJD
Drawing Title	GEOLO
Drawing No.	
Scales	1 : 2
Status	
Document Control Centre	



MADE GROUND
CLAY
SILT
SAND
GRAVEL
SANDSTONE
MUDSTONE
SILTSTONE
COAL

MADE GROUND
GLACIAL TILL

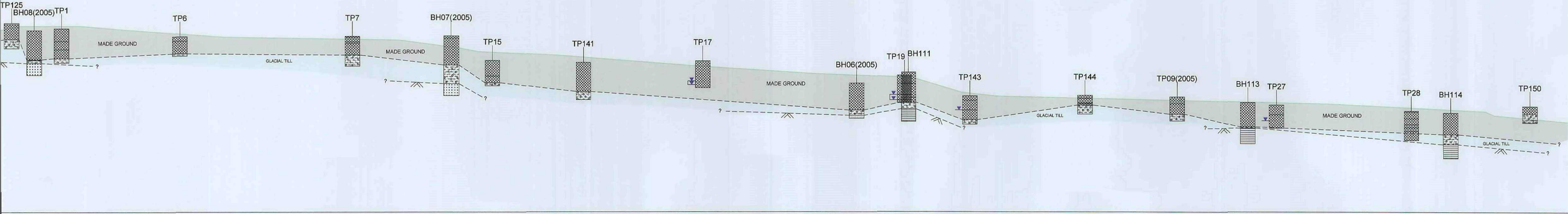
NOTE
A combination of the symbols denotes a composite soil type.
Ground conditions between trial pits/boreholes should be regarded as approximate only and may be different on site.
Refer to trial pit/borehole logs for detailed soil descriptions

P = Piezometer
Water level in Piezometer
Rise in water level after 20 minutes monitoring period

Client: HARWORTH ESTATES LTD			Drawing Title: GEOLOGICAL
Project: NORTH GAWBER COLLIERY SITE, BARNSLEY SUPPLEMENTARY GROUND INVESTIGATION REPORT			Drawing No.: S
			Scales: 1 : 250 VER
Drawn: JCF	Date: JUNE 09	Checked: DJL	Passed: MJD
			Status

Denwentside Business Consult Suite One Pa Consett Co Durham DH8 6SY

AREA 1 | AREA 2 | AREA 3 | AREA 4



MADE GROUND
CLAY
SILT
SAND
GRAVEL
SANDSTONE
MUDSTONE
SILTSTONE
COAL

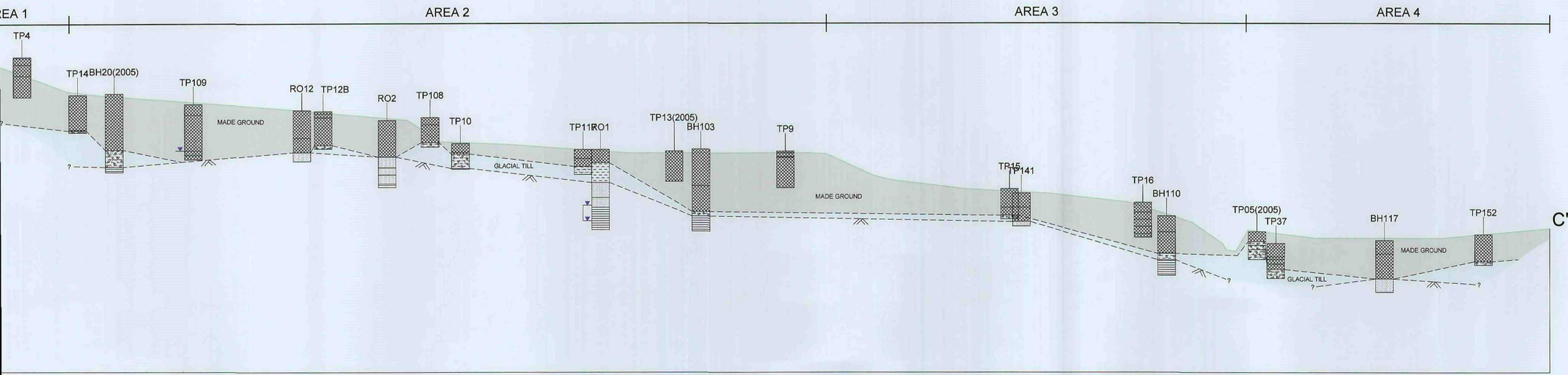
MADE GROUND
GLACIAL TILL

NOTE
A combination of the symbols denotes a composite soil type.
Ground conditions between trial pits/boreholes should be regarded as approximate only and may be different on site.
Refer to trial pit/borehole logs for detailed soil descriptions

P = Piezometer
Water level in Piezometer
Rise in water level after 20 minutes monitoring period

Client	HARWORTH ESTATES LTD			Drawing Title	GEOLOGICAL CR FIG
Project	NORTH GAWBER COLLIERY SITE, BARNSLEY SUPPLEMENTARY GROUND INVESTIGATION REPORT			Drawing No.	SDA/
				Scales	1 : 250 VERTIC
Drawn	Date	Checked	Passed	Status	
JCF	JUNE 09	DJL	MJD		

Derwentside Business Centre, Consett, Business Park, Consett, Co Durham, DH8 6SY



MADE GROUND
CLAY
SILT
SAND
GRAVEL
SANDSTONE
MUDSTONE
SILTSTONE
COAL

MADE GROUND
GLACIAL TILL

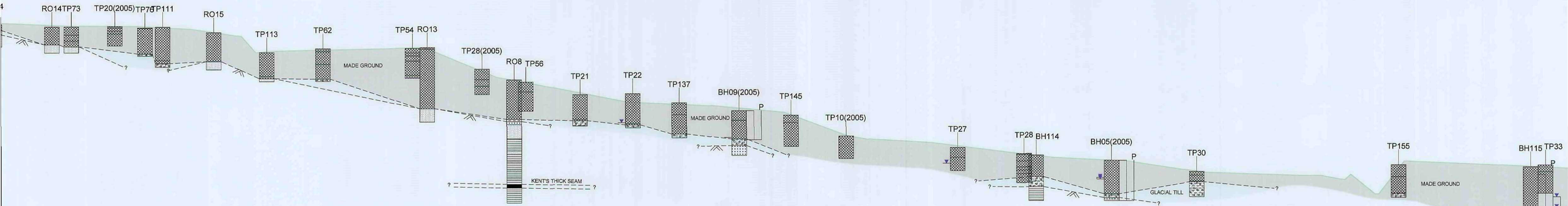
NOTE
A combination of the symbols denotes a composite soil type.
Ground conditions between trial pits/boreholes should be regarded as approximate only and may be different on site.
Refer to trial pit/borehole logs for detailed soil descriptions

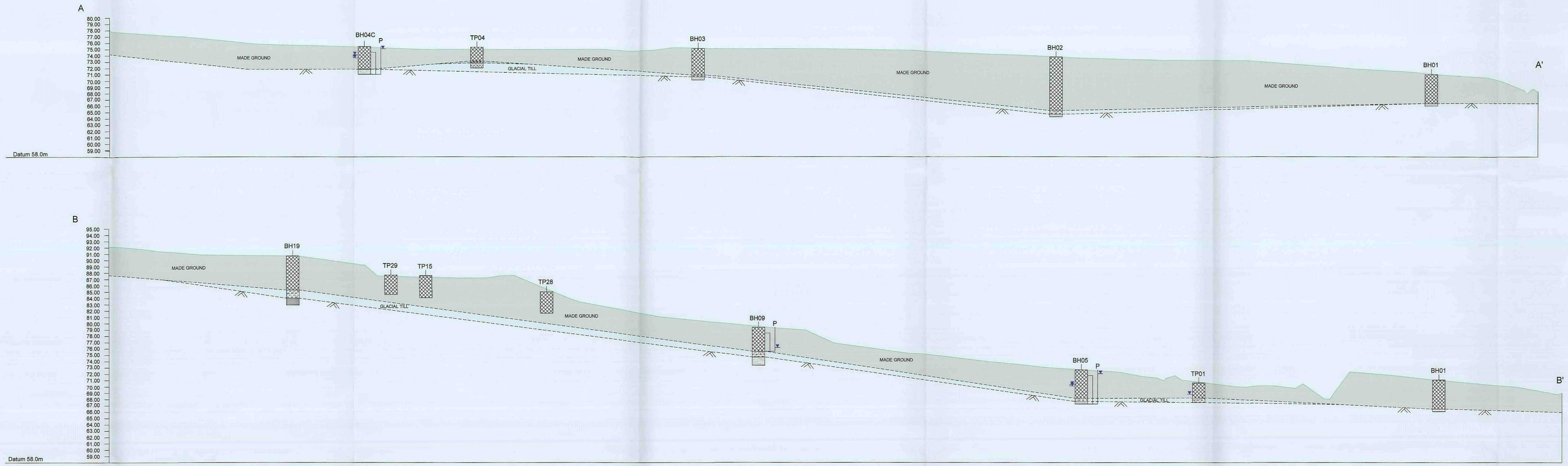
P = Piezometer
Water level in Piezometer
Rise in water level after 20 minutes monitoring period

Client: HARWORTH ESTATES LTD			Drawing Title: GEOLOGICA
Project: NORTH GAWBER COLLIERY SITE, BARNSLEY SUPPLEMENTARY GROUND INVESTIGATION REPORT			Drawing No. / Scales: 1 : 250 V / Status:
Drawn: JCF	Date: JUNE 09	Checked: DJL	Passed: MJD

Derwentside Environmental Testing Services Ltd, Consett, Co. Durham, DH8 6BP

AREA 5 | AREA 3 | AREA 4





LEGEND

- MADE GROUND
- CLAY
- SAND
- GRAVEL
- SANDSTONE
- SILTSTONE
- MUDSTONE
- MADE GROUND
- CLAY/SILT (TOPSOIL?)
- GLACIAL TILL
- BEDROCK
- P — PIEZOMETER INSTALLATION AND GROUNDWATER
- WATER STRIKE IN BOREHOLE AND TRIALPIT

NOTE

A combination of the symbols denotes a composite soil type.

Section based on assumed ground profile.

Ground conditions between boreholes/trial pits should be regarded as approximate only.

REVISION | By | Date | Rev.

Client: UK COAL

Project: NORTH GAWBER COLLIERY REMEDIATION AND REDEVELOPMENT SCHEME GEO-ENVIRONMENTAL ASSESSMENT REPORT

Drawing Title: GEOLOGICAL CROSS SECTIONS FIGURE 5

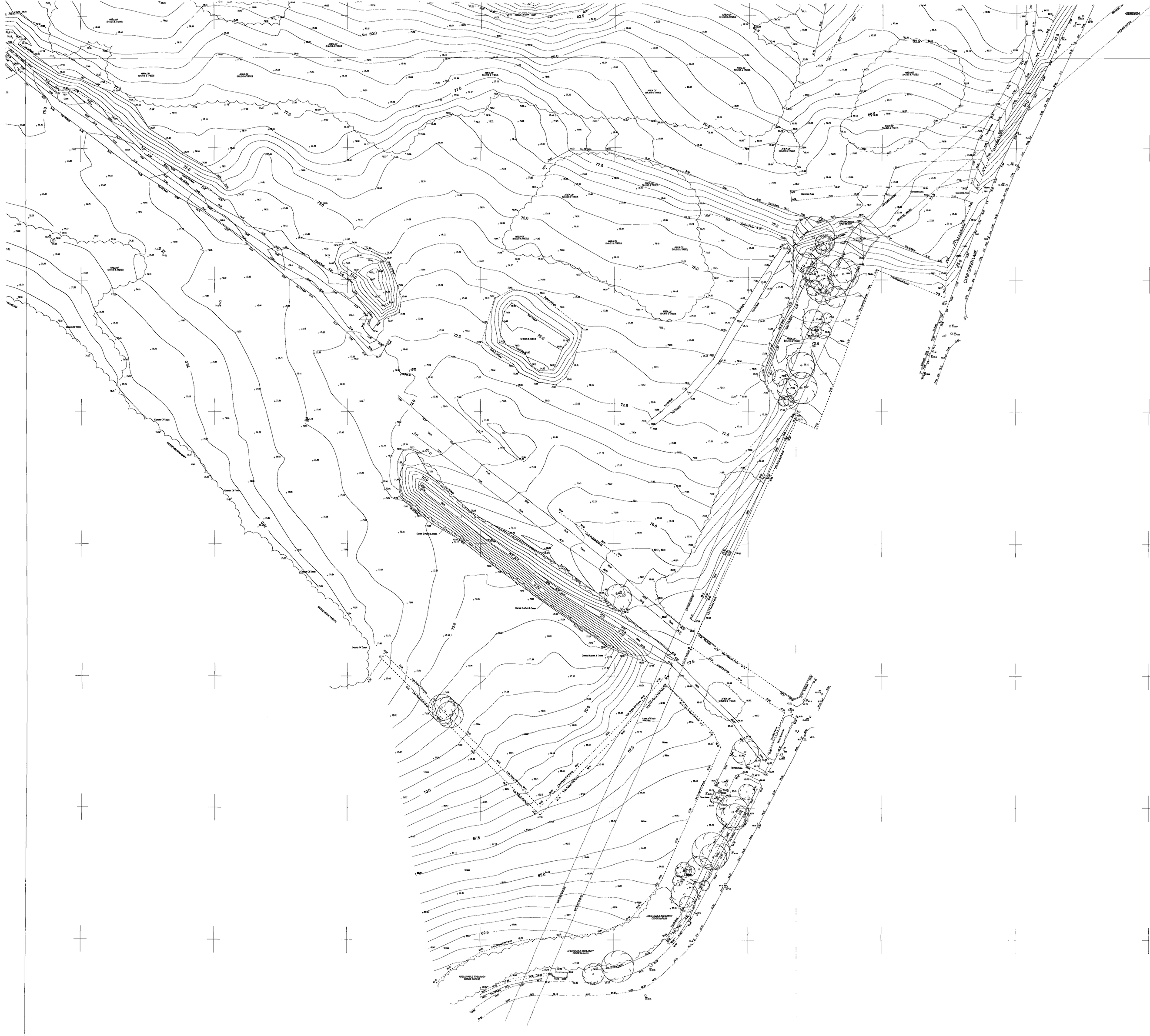
SCOTT DOHERTY ASSOCIATES
Kirkhallside Business Centre, Cowdenbeath Business Park, Cowdenbeath, Fife KY4 9QR
Tel: (01383) 624120

Drn	Date	Checked	Passed
DAS	JAN 05	SD	DAB

Drawing Number: SDA/04014/05

Scales: SECTIONS V - 1: 250 H - 1: 500

Status: FINAL



NOTES

ALL LEVELS ARE RELATED TO OSBM VALUE OF - (OSTHO2) (OPS)

COORDINATE GRID IS BASED ON OSGB36 CO-ORDINATE SYSTEM (GPS)

Station	Easting	Northing	Level
WP21	433277.587	409648.676	82.446
WP20	433291.578	409677.166	84.419
WP23	433258.486	409719.329	87.912
WP24	433235.981	409760.369	91.252
WP25	433225.381	409803.366	94.187
WP26	433206.447	409838.857	93.319
WP27	433196.853	409852.332	93.442
WP28	433187.632	409874.479	91.115
WP14	433174.539	409895.136	89.828
WP15	433171.598	409915.536	88.828
WP16	433151.755	409360.489	65.835
WP17	433137.852	409355.176	66.771
WP18	433142.211	409339.842	64.313
WP19	433152.511	409319.441	64.312
WP31	433082.911	409474.440	72.205
WP22	433075.179	409423.574	72.573
WP30	433047.116	409446.694	73.026
WP29	433047.016	409446.694	73.026
WP33	433058.597	409471.897	72.013
WP38	433064.329	409473.509	73.330
WP39	433137.936	409410.809	68.588
WP40	433160.514	409407.488	68.583
WP42	433160.514	409407.488	74.583
WP41	433102.016	409392.332	73.199
WP50	432974.061	409966.573	65.643
WP51	432990.137	409958.823	66.534
WP52	433000.137	409958.823	64.534
WP53	433019.923	409761.599	64.814
WP54	432936.755	409738.971	65.599
WP55	432781.564	409717.029	81.129
WP56	432778.374	409716.658	80.559

KEY

LEVELS

CBM	Ordnance Bench Mark
CL	Cover Level
FFL	Finished Floor Level
GL	Ground Level
IL	Invert Level
SSL	Structure Slab Level
WL	Water Level

BUILDINGS - HEIGHTS ABOVE FLOOR

G	Gazing
CH	Ceiling Head
HC	Face Ceiling
WC	Window Cill
WH	Window Head

INSPECTION CHAMBERS

AC	Access Cover
CA	Cellular Access
CATV	Cable Television
EIC	Electric inspection Chamber
HYD	Fire Hydrant
FWI	Foul Water Inspection Chamber
G	Gully
GIC	Gas Inspection Chamber
GV	Gas Valve
G	Gully
IC	Inspection Chamber
JB	Junction Box
K	Kerb Inlet
RE	Rodding Eye
SV	Stop Valve
SWDP	Surface Water Casts (P)
SWMH	Surface Water Inspection Chamber
SIC	Telegraphic Inspection Chamber
U	Unidentified
VTL	Visible to cil
WIC	Water Inspection Chamber
WM	Water Meter
WSV	Water Stop Valves

PIPES

GP	Gas Pipe
SWP	Rain Water Pipe
SVP	Sewer Vent Pipe
UP	Unid Pipe
PVP	Plastic Vent Pipes

POSTS

CPO	Concrete Post
FHYD	Fire Hydrant Marker
FPO	Fence Post
LPO	Lighting Post
CPO	Gate Post
LPO	Unknown Post
MC	Marker Post
MPO	Wrap Post
RP	Reflector Post
SPO	Timber Post

STREET FURNITURE

BB	Bellube Beacon
BD	Bollard
BS	Bus Stop
CB	Electric Box
DC	Electric Cupboard
EP	Electric Pole
FE	Flower Planter
FL	Flood Light
LP	Flag Pole
LP	Lighting Column
LBX	Letter Box
LP	Lamp Post
MP	Name Plate
PM	Parking Meter
SC	Seating Bay
SI	Sign
STN	Survey Station
TL	Traffic Light
TCB	Traffic Light Control Box
TP	Telephone Pole

FENCES

BW	Barbed Wire
CB	Close Board
CL	Chain Link
CP	Chain/Link Parking
CW	Conc. Post & Wire
HF	Hedge/Fence
IW	Iron Rail/Spike
RR	Post and Rail
RW	Retaining Wall

LEGEND

- SPOT LEVEL
- SURVEY STATION
- WATER FEATURE...DITCH ETC
- SAPLING
- TREE (SPREAD TO SCALE)
- BUILDING
- CONTOUR
- BORE=OLD/TRIAL HOLE
- TRIAL PIT
- RETAINING WALL
- BUILDING/WALLS
- GATE
- STILE
- KERB LINE
- BANKING
- ROCKFACE
- OSBM VALUE: ORDNANCE SURVEY BENCH MARK
- TBM VALUE: TEMPORARY BENCH MARK/SITE DATUM

REVISIONS

CLIENT

A division of UK COAL PLC

SITE

FORMER Nth GAWBER COLLIERY
MAPPLEWELL,
BARNSLEY.

DRAWING

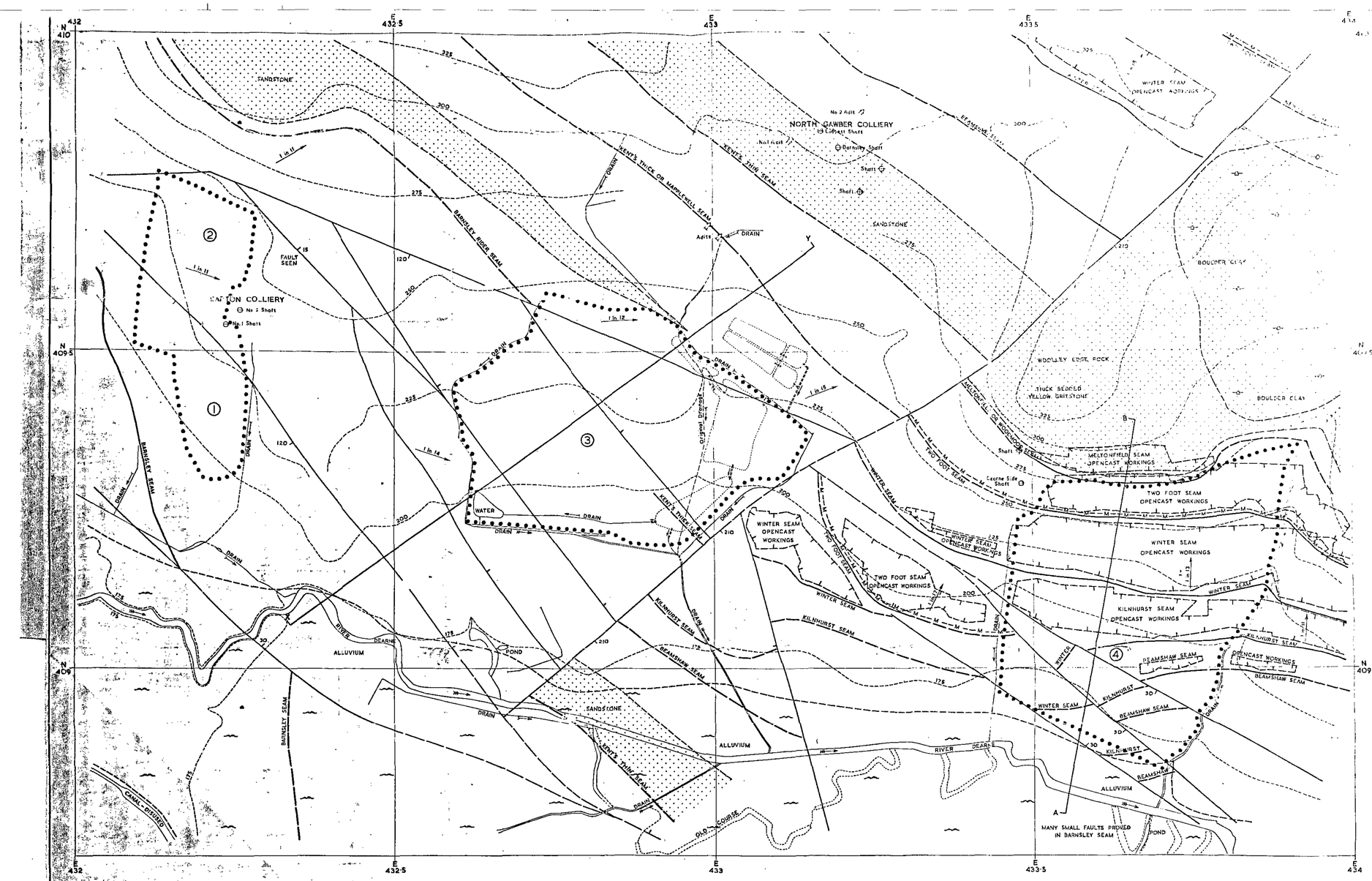
TOPOGRAPHICAL SURVEY

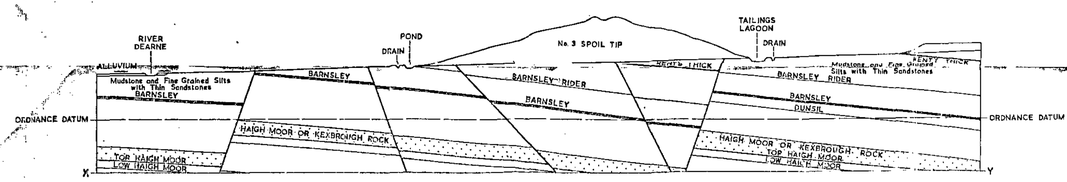
DRAWING NUMBER	SURVEYED BY	DATE
09/033-T03	CP	APR 2007
SHEET 3 OF 3	DRAWN BY	SCALE
REVISION No.	CP	1:500

APS Surveying Services

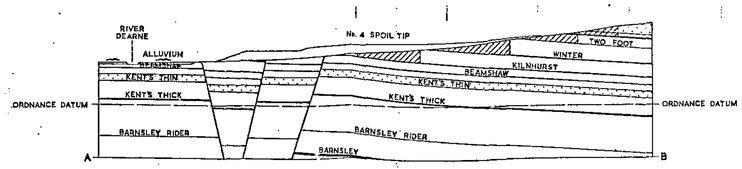
Land Surveying & Site Engineering

The Office, 7 Thurnscoe Road
Bolton-upon-Dearne
Rotherham, S63 8JW
Tel/Fax (01709) 894322 / 891433
Mobile (07785) 352291
E-mail info@apssurveying.co.uk





SECTION ALONG LINE X - Y



SECTION ALONG LINE A - B

NATURAL SCALE:- 1/2500

REFERENCE

- FAULTS AT THE SURFACE — 30
- OPENCAST WORKINGS - ON PLAN
- - ON SECTION
- SEAM OUTCROP — BARNSLEY
- DIP OF STRATA — 1 in 12
- SANDSTONE
- ALLUVIUM AND DRIFT BOUNDARY
- BOULDER CLAY BOUNDARY
- MARINE BAND — M
- SURFACE CONTOURS — 275
- ORIGINAL DRAINAGE
- EXISTING DRAINAGE
- LAGOON OUTLETS
- LIMITS OF TIPPING

GEOLOGICAL FEATURES BASED ON 1932-33 GEOLOGICAL SURVEY & INFORMATION FROM OPENCAST WORKINGS.
SURFACE FEATURES BASED ON O.S. 1/2500 MAP - 1931 EDITION & 1952 EDITION.
SURFACE CONTOURS FROM O.S. 6" TO 1 MILE MAP - REVISION OF 1928-30.
ALL GEOLOGICAL FEATURES ARE MIDDLE COAL MEASURES.

NATIONAL COAL BOARD -- BARNSLEY AREA

NORTH GAWBER COLLIERY

SPOIL TIP

GEOLOGICAL PLAN

SCALE OF FEET

0 100 200 300 400 500 600

	SCALE	REFERENCE No.
	1/2500	N.G. 113/3/D

Appendix 10
Plan NG 113/3/D
Opencast Workings

REF N° OF ORIGINAL 46

NATIONAL COAL BOARD BARNSLEY AREA

NORTH GAWBER COLLIERY

— SPOIL TIP PLAN —

REF Nº N.G. 113/13

SCALE - 1/2500

SCALE OF METRES

50 0 100 200

I.C.E. No C.E. 107/22/20

PLAN NO 1.

REVISION DATE..... AERIAL SURVEY 28th AUGUST 1962
PLAN..... FEBRUARY 1983

REFERENCE

CONTOURS (IN METRES) — SPOIL TIP & EXISTING GROUND 65
ORIGINAL GROUND 70

SPOT LEVELS (IN METRES) — SPOIL TIP 67.5
GROUND 72.5

WATERCOURSES — COVERED BY SPOIL
EXISTING

TAILINGS LAGOONS

LAGOON OUTLETS

CULVERT OR DRAIN (SHOWING MANHOLES) M.H.

ROADS

NATURE OF MATERIAL TIPPED SHALE

PRESENT TIPPING FACE

EXISTING TIPPING AREA

LIMITS OF TIPPING

SOIL SPREAD ON TIP

Mapplewell

CAR PARK

North Gawber Colliery

Shaft

COAL STOCKING AREA

DREDGED TAILINGS DRYING AREAS

U.D.C. SEWER

M.H.

Septic Tanks

TAILINGS LAGOONS 1 2 3 4 5 6 7 8 9 10 12

PUMP

200 TON BUNKER

Telephone

SOIL DUMP

OVERHEAD POWERLINES 400 K.V.

HILL END ④

WASHERY WASTE

TYPE OF GROUND UNDER TIP — CLAY 0·9m / SHALE

RIVER DEARNE

RIVERS BOARD WASHLANDS

Spring

Shrubbery

NEW LODGE

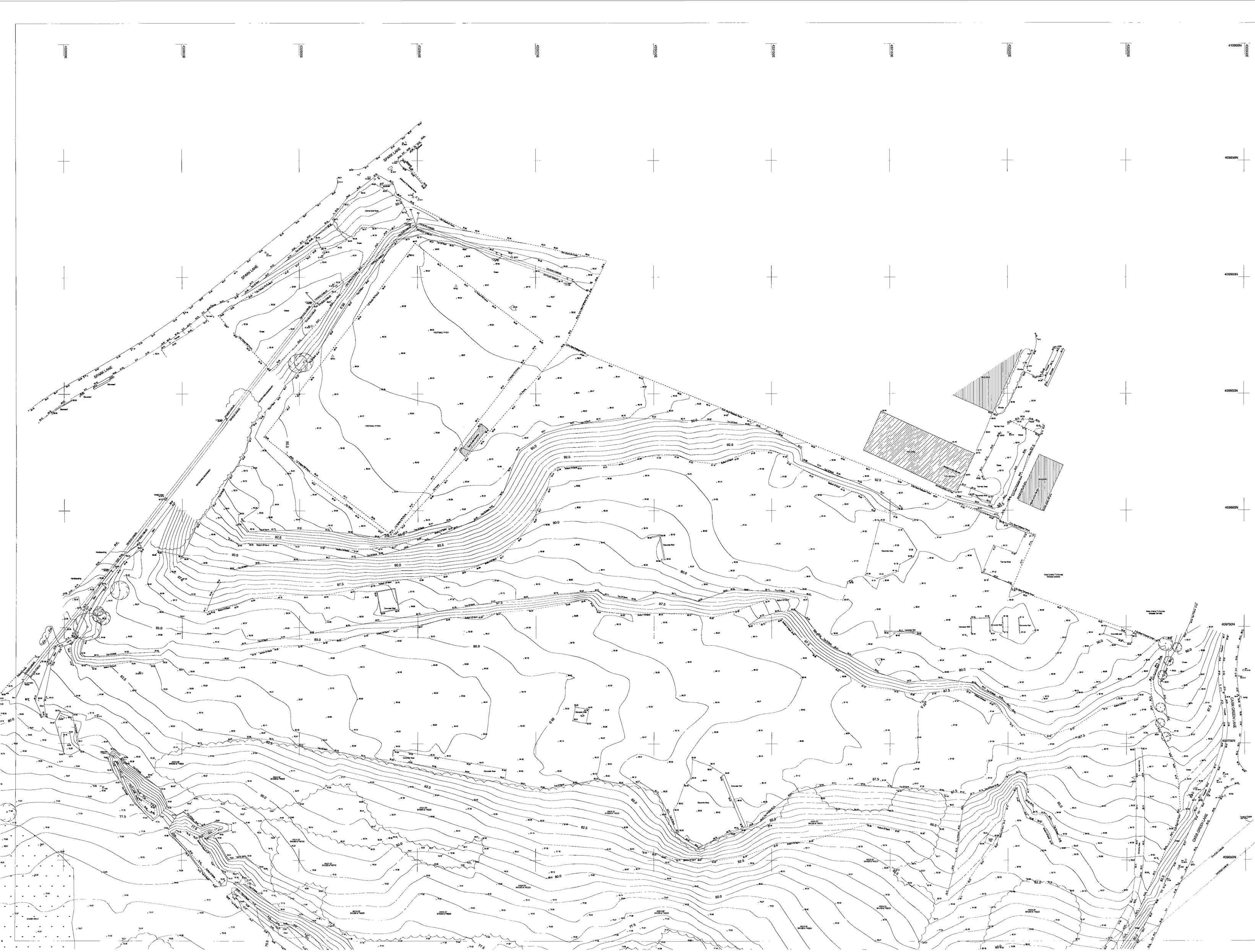
Standhill Wood

TYPE OF GROUND UNDER TIP — CLAY 1·7m / SHALE

MONK BRETTON WARD (Dis)

E 432.5 E 433 E 433.5 E 434 E 434.5

N 410 N 409 N 408



NOTES

ALL LEVELS ARE RELATED TO OSBM VALUE OF= (OSTN02) (GPS)

COORDINATE GRID IS BASED ON OS9303B CO-ORDINATE SYSTEM (GPS)

Station	Eastings	Northings	Level
MP01	433277.307	409648.910	84.440
MP02	433291.370	409677.169	84.418
MP03	433295.499	409718.539	87.010
MP04	433303.375	409815.393	90.870
MP05	433220.597	409859.369	84.787
MP06	433189.993	409852.269	83.447
MP07	433186.893	409832.902	83.442
MP08	433187.032	409814.479	83.115
MP09	433187.328	409813.905	84.131
MP10	433171.539	409675.905	84.829
MP16	433151.759	409582.489	85.820
MP17	433137.832	409500.178	84.771
MP18	433142.211	409320.242	84.313
MP19	433139.977	409314.445	82.237
MP21	433153.011	409214.445	77.237
MP22	433279.175	409423.974	72.373
MP23	433302.136	409435.954	72.025
MP24	433247.913	409448.859	72.625
MP25	433304.329	409413.591	72.233
MP26	433304.329	409413.591	72.233
MP29	433122.898	409418.803	58.059
MP30	433111.134	409427.382	69.391
MP40	433180.916	409542.480	74.693
MP49	433214.091	409569.233	84.843
MP50	433214.091	409569.233	84.843
MP51	433090.137	409606.823	86.554
MP52	432949.387	409696.317	90.638
MP53	432878.923	409781.858	84.810
MP54	432878.923	409781.858	84.810
MP55	432977.266	409717.063	91.129
MP56	432778.374	409715.866	90.389

KEY

LEVELS

OSBM	Ordnance Bench Mark
CL	Crest Level
FFL	Finished Floor Level
HL	Hat Hard Level
IL	Invert Level
SSL	Suspended Slab Level
TBL	Water Level

BUILDINGS - HEIGHTS ABOVE FLOOR

C	Ceiling
DH	Door Head
FC	False Ceiling
TC	Top Cover
WH	Window Head

INSPECTION CHAMBERS

AC	Access Cover
CA	Cellar Access
CATV	Cable Television
ECP	Electricity Inspection Chamber
HYD	Fire Hydrant
FWH	Foul Water Inspection Chamber
IC	Inspection Cover
GIC	Gas Inspection Chamber
GV	Gas Valve
G	Grate
IC	Inspection Chamber
JB	Junction Box
K	Kerb Inlet
LP	Lamp Post Lyte
SV	Stop Valve
SWCP	Surface Water Catch Pit
SWMH	Surface Water Inspection Chamber
BT	Telephone Inspection Chamber
U	Unidentified
UC	Utilities Cover
WIC	Water Inspection Chamber
WM	Water Meter
WSV	Water Stop Valve

PIPES

GP	Gas Pipe
SWP	Storm Water Pipe
SVP	Soil & Vent Pipe
VP	Vent Pipe
PVP	Pitted Vent Pipes

HOUSE

CPO	Concrete Post
HYD	Fire Hydrant Marker
FNC	Fence Post
GV	Gas Marker Post
GPO	Gate Post
MP	Marker Post
MK	Marker Post
MPO	Meter Post
RP	Reflector Post
TPO	Timber Post

STREET FURNITURE

BB	Bollards Bladder
BO	Bollard
BS	Bus Stop
DK	Drop Kerb
EP	Electric Cupboard
EV	Electric Point
FB	Flower Planter
FL	Flood Light
FP	Flag Pole
LB	Light Bollard
LBO	Letter Box
LP	Lamp Post
MP	Name Plate
PM	Parking Meter
RS	Road Sign
SI	Sign
TS	Telemetry Station
TL	Traffic Light
TCB	Traffic Light Control Box
TP	Telephone Pole

FENCES

B/W	Barbed Wire
C/B	Close Board
C/L	Chain Link
C/P	Cleated Paling
C/W	Cone Post & Wire
D/P	Post (unspecified)
I/R	Iron Railings
R/W	Rail and Wire
RTW	Retaining Wall

LEGEND

- SPOT LEVEL
- SURVEY STATION
- WATER FEATURE, DITCH ETC
- SAPLING
- BUSH/SHRUB
- HEDGE/AREA OF UNDERGROWTH
- TREE (SPREAD TO SCALE)
- BUILDING
- CONTOUR
- BOREHOLE/TEST HOLE
- TRIAL PIT
- R RETAINING WALL
- BUILDING/WALLS
- GATE
- STILE
- KERB LINE
- BANKING
- ROCKFACE
- OSBM VALUE — ORDNANCE SURVEY BENCH MARK
- TBM VALUE — TEMPORARY BENCH MARK/SITE DATUM

REVISIONS

CLIENT

A division of UK COAL PLC

SITE

FORMER Nth GAWBER COLLIERY
HAPPLEWELL,
BARNSLEY.

DRAWING — TOPOGRAPHICAL SURVEY

DRAWING NUMBER 09/023-TS2	SURVEYED BY CP	DATE APR 2007
SHEET 2 OF 3	DRAWN BY CP	SCALE 1:500
REVISION No.		

APS Surveying Services
Land Surveying & Site Engineering
The Office, 7 Thumscoe Road
Bolton-upon-Dearne
Rotherham, S63 8JW
Tel/Fax (01709) 894322 / 891433
Mobile (07765) 352291
E-mail info@apssurveying.co.uk

NOTES

ALL LEVELS ARE RELATED TO OSBM VALUE OF - (OST100) (OPS)

COORDINATE GRID IS BASED ON OSGB36 CO-ORDINATE SYSTEM (OPS)

Station	Easting	Northing	Level
MP01	433277.057	409648.675	82.446
MP02	433381.576	409677.189	84.419
MP03	433339.488	409719.530	87.010
MP04	433320.681	409761.837	89.833
MP05	433220.561	409865.368	94.167
MP06	433236.417	409838.857	93.319
MP07	433138.853	409852.952	93.442
MP08	433187.832	409814.479	93.115
MP09	433171.508	409835.838	92.835
MP10	433171.508	409376.838	66.835
MP16	433151.755	409383.485	65.825
MP17	433137.832	409200.175	66.771
MP18	433143.211	409220.242	64.313
MP19	433135.511	409241.242	72.313
MP21	433055.511	409414.442	72.299
MP22	433073.175	409423.074	72.373
MP23	433062.136	409438.954	72.335
MP24	433014.087	409473.837	72.313
MP25	432985.329	409479.637	72.313
MP26	432934.329	409479.093	72.335
MP29	433127.858	409416.809	69.092
MP30	433151.194	409422.485	74.851
MP40	433165.194	409442.485	74.851
MP41	433192.016	409510.232	72.129
MP50	433914.061	409886.233	68.847
MP51	433560.137	409906.673	96.554
MP52	433571.823	409914.864	94.810
MP53	433913.823	409914.864	94.810
MP54	433636.036	409798.501	85.589
MP55	432781.564	409717.923	81.122
MP56	432716.374	409713.608	80.339

KEY

LEVELS
- OSBM — Ordnance Bench Mark
- CL — Cover Level
- FFL — Finished Floor Level
- FL — Floor Level
- GL — Ground Level
- SSL — Structural Sub Level
- WL — Water Level

BUILDINGS - HEIGHTS ABOVE FLOOR
- CILL — Cill Level
- EH — Eaves Head
- FC — Fascia Course
- WC — Window Cill
- WH — Window Head

INSPECTION CHAMBERS
- AC — Access Cover
- CATV — Cable TV Chamber
- CC — Combe Corporation
- EC — Electric inspection Chamber
- HYD — Fire Hydrant
- FWC — Foul Water inspection Chamber
- GC — Gas Governor Cover
- GIC — Gas Inspection Chamber
- GV — Gate Valve
- IC — Inspection Chamber
- JB — Junction Box
- MH — Manhole
- RE — Rodding Eye
- SV — Stop Valve
- SWCP — Surface Water Catch Pit
- SWMH — Surface Water Inspection Chamber
- BT — Telephone Inspection Chamber
- TP — Transformer
- UTL — Unidentified Utility
- WIC — Water Inspection Chamber
- WM — Water Meter
- WSV — Water Stop Valves

PIPES
- GP — Gas Pipe
- SWP — Storm Water Pipe
- SWP — Sewer Water Pipe
- VP — Vent Pipe
- PVP — Plastic Vent Pipes

POSTS
- CPO — Concrete Post
- HYD — Fire Hydrant Marker
- FPO — Fence Post
- GPO — Gate Marker Post
- GPO — Gas Governor
- UPO — Indicator Post
- MK — Marker Post
- MPO — Metal Post
- RP — Reflector Post
- TPO — Timber Post

STREET FURNITURE
- BB — Bollard
- BO — Bollard
- BS — Bus Stop
- CPC — Cctv Camera
- DC — Dropped Kerb
- EF — Electric Fence
- FB — Flower Planter
- FL — Flood Light
- FP — Flag Pole
- GB — Guard Bollard
- LBO — Letter Box
- LP — Lamp Post
- MP — Marker Post
- PM — Parking Meter
- RS — Road Sign
- SB — Sign Board
- STN — Survey Station
- TL — Traffic Light
- TCB — Traffic Light Control Box
- TP — Telephone Pole

FENCES
- BW — Barbed Wire
- CS — Chain Mesh
- CL — Chain Link
- CP — Chainlink Palisg
- CW — Conc. Posts & Wire
- IR — Iron Railings
- UR — Iron Railings
- PR — Post and Rail
- RW — Retaining Wall

LEGEND

- SPOT LEVEL
- SURVEY STATION
- WATER FEATURE, DITCH ETC
- SAPLING
- BUSH/SHRUB
- HEDGE/AREA OF UNDERGROWTH
- TREE (SPREAD TO SCALE)
- BUILDING
- CONTOUR
- BORE/COLLIT/SIT HOLE
- TRIAL PIT
- RETAINING WALL
- BUILDING/WALLS
- GATE
- STILE
- KERB LINE
- BANKING
- ROOFFACE
- OSBM VALUE — ORDNANCE SURVEY BENCH MARK
- TBM VALUE — TEMPORARY BENCH MARK/SITE DATUM

REVISIONS

CLIENT

HE

A division of UK COAL PLC

SITE

FORMER Mr.BARBER COLLIERY
MAPPLEWELL
BARNSLEY.

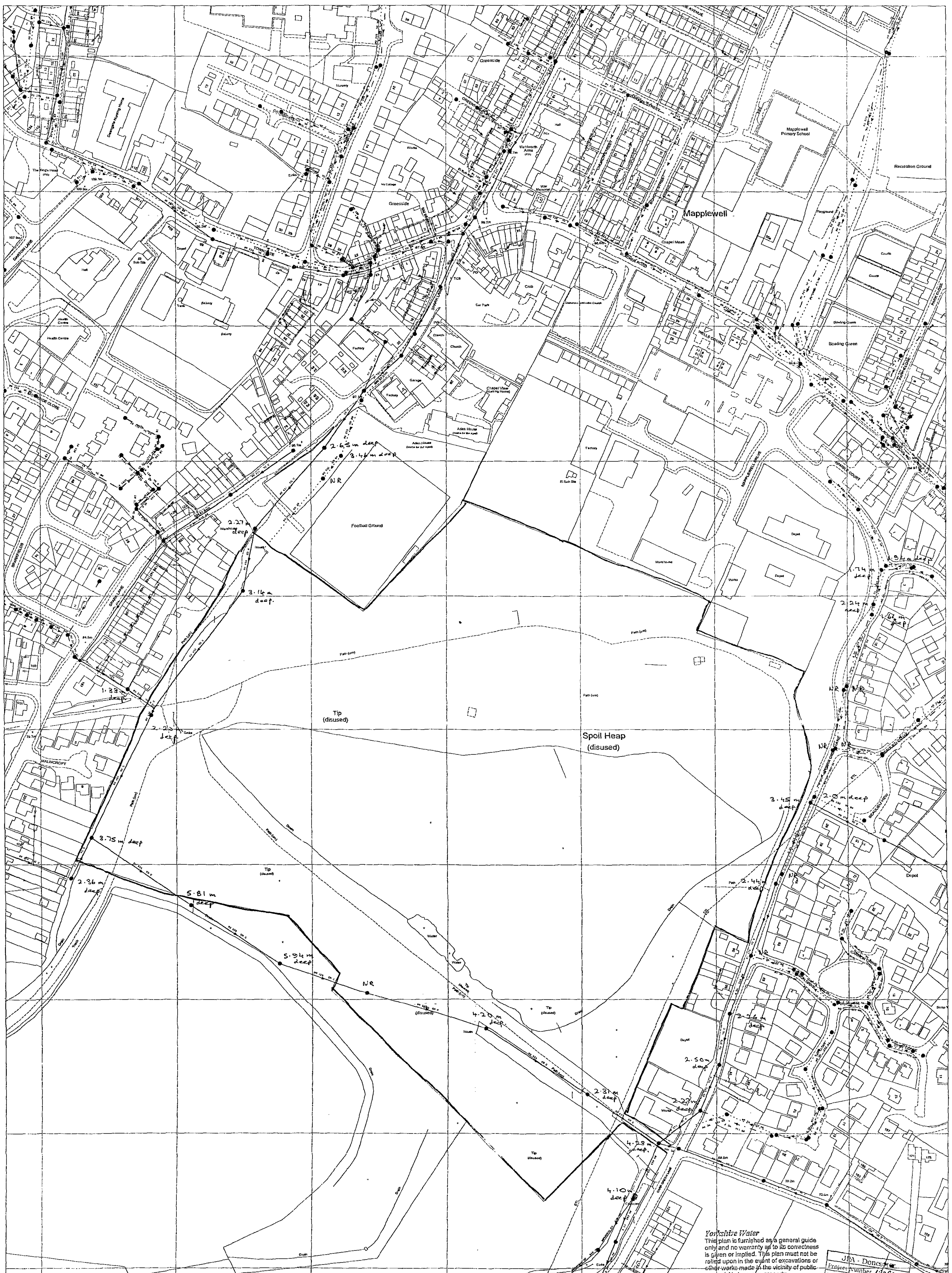
DRAWING

TOPOGRAPHICAL SURVEY

DRAWING NUMBER	SURVEYED BY	DATE
09/032-TS1	CP	APR 2007
SHEET 1 OF 3	DRAWN BY	SCALE
REVISION No.	CP	1:500

APS Surveying Services

Land Surveying & Site Engineering
The Office, 7 Thurnscoe Road
Bolton-upon-Dearne
Rotherham, S63 8JW
Tel/Fax (01709) 894322 / 891433
Mobile (07785) 352291
E-mail :info@apssurveying.co.uk



Yorkshire Water

This plan is furnished as a general guide only and no warranty as to its correctness is given or implied. This plan must not be relied upon in the event of excavations or other works made in the vicinity of public sewers. No house or property connections are shown.

Extract from Statutory Sewer Map
Location: Mapplewell
Scale: ~~1/500~~ ~~1/1000~~ 1/1250 1/2500
YWS Ref: 4003605 / PEH
Sheet: 1 of 1

JPA - Doncaster
Project Number: 12080010
Review: KNF
11 MAR 2008

Date Requested: 03/04/2007, 13:42:30
Date Generated: 03/04/2007, 13:42:56
Source: NR - No recorded depth.
UPN: Undefined
Originator:

(OS) Based upon Ordnance Survey map data with the permission of the Controller of Her Majesty's Stationery Office, (c) Crown Copyright. Licence No. WU298581.



300 mm
200
100
50
0 10 mm

NOTES

1. DO NOT SCALE.
2. This drawing is to be read in conjunction with all other relevant drawings.
3. Should there be any conflict between the details indicated on this drawing and those indicated on other drawings, the engineer should be informed prior to construction on site.
4. Until technical approval has been obtained from the relevant authority, it should be understood that all drawings issued are Preliminary and Not for construction. Should the contractor commence site work prior to approval being given, it is entirely at his own risk.
5. All dimensions are in metres. U.N.O

KEY

- Phase 1 Approximate Site Boundary
- Phase 2 Approximate Site Boundary
- 23 Approximate Site Dimensions

REV	AMENDMENT	APP'D	DATE
A	FIRST ISSUE		

	BY	CHECKED	DATE
DESIGN	AP	CM	18.09.09
DRAWN	AP	CM	18.09.09
APPROVED	RP		30.09.09

This drawing and its contents are the property of Opus International Consultants Limited. Any unauthorised employment or reproduction, in full or in part, is forbidden.

Harworth Estates
A division of UK COAL PLC

Harworth Estates Ltd
Harworth Park
Blyth Road
Doncaster
DN11 8DB

OPUS JOYNES PIKE

Doncaster Office

1–2 Aire House
Richmond Business Park
Sidings Court
Doncaster
DN4 5NL

Tel: 01302 322295
Fax: 01302 322296

TITLE

PROPOSED DEVELOPMENT AT MAPPLEWELL LANE NORTH GAWBER

EXISTING TOPOGRAPHICAL SURVEY INFORMATION

STATUS	FOR APPROVAL	
SCALE	AS SHOWN @A1	PLOT DATE 18.09.09
FILE		
DRAWING NUMBER	J–D0368 – 003	REVISION A

ORIGINAL SHEET SIZE A1 [840x594]

LEGEND

SITE BOUNDARY

6m Offset from power lines

6m Offset from power lines

2m offset from existing boundary

Ecology boundary

Ecology boundary

Ecology boundary

2m Offset from ditch

9m Offset from power lines

9m Offset from power lines

CH0+150

CH0+200

CH0+250

CH0+300

CH0+350

CH0+400

CH0+450

CH0+500

CH0+450

REVISION | By | Date | Rev.

Client

HARWORTH ESTATES LTD

Project

NORTH GAWBER COLLIERY SITE, BARNSLEY REMEDIAL EARTHWORKS OPERATIONS

PROPOSED POST-EARTHWORKS GROUND PROFILE

Drawing Title FIGURE 2

SCOTT DOHERTY ASSOCIATES
Derwentside Business Centre
Consett Business Park
Consett
Co.Durham
DH8 6SP
Tel. (01207) 505900

Drn	Date	Checked	Passed
JCF	SEPT 09	DJL	MJD

Drawing Number

SDA/09022/22

Scales PLAN 1:1000

Status

FINAL

REPRODUCED FROM THE ORDNANCE SURVEY MAP WITH PERMISSION OF THE CONTROLLER OF H.M. STATIONERY OFFICE. © CROWN COPYRIGHT LICENCE No: AL 51587A0001



300 mm
200
100
50
0 10 mm

NOTES

1. DO NOT SCALE.
2. This drawing is to be read in conjunction with all other relevant drawings.
3. Should there be any conflict between the details indicated on this drawing and those indicated on other drawings, the engineer should be informed prior to construction on site.
4. Until technical approval has been obtained from the relevant authority, it should be understood that all drawings issued are Preliminary and Not for construction.
   Should the contractor commence site work prior to approval being given, it is entirely at his own risk.
5. All dimensions are in metres. U.N.O

KEY

REV	AMENDMENT	APP'D	DATE
A	FIRST ISSUE		

	BY	CHECKED	DATE
DESIGN	AP	CH	18.09.09
DRAWN	AP	CH	18.09.09
APPROVED			30-09-09

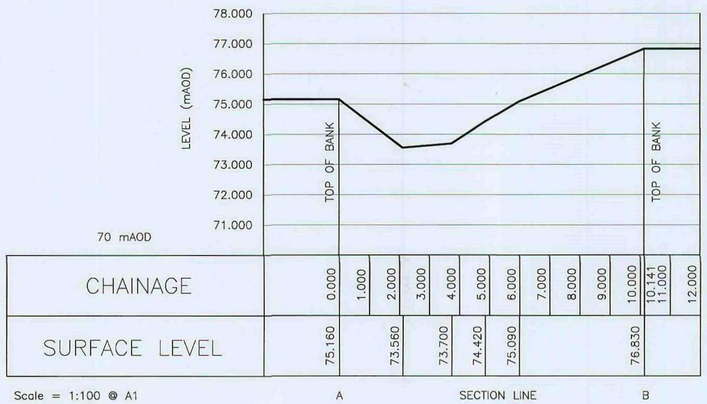
This drawing and its contents are the property of Opus International Consultants Limited. Any unauthorised employment or reproduction, in full or in part, is forbidden.

Harworth Estates
A division of UK COAL PLC

Harworth Estates Ltd
Harworth Park
Blyth Road
Doncaster
DN11 8DB

OPUS JOYNES PIKE
Doncaster Office
1-2 Aire House
Richmond Business Park
Sidings Court
Doncaster
DN4 5NL
Tel: 01302 322295
Fax: 01302 322296

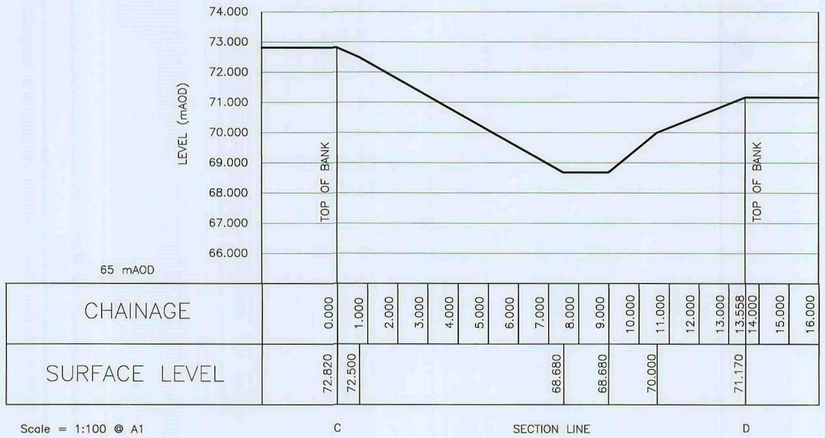
SECTION 1



CHAINAGE	0.000	1.000	2.000	3.000	4.000	5.000	6.000	7.000	8.000	9.000	10.000	10.141	11.000	12.000
SURFACE LEVEL	75.160		73.560		73.700	74.420	75.090				76.830			

Scale = 1:100 @ A1 — A — SECTION LINE — B

SECTION 2



CHAINAGE	0.000	1.000	2.000	3.000	4.000	5.000	6.000	7.000	8.000	9.000	10.000	11.000	12.000	13.000	13.558	14.000	15.000	16.000
SURFACE LEVEL	72.820	72.500							68.680	68.680	70.000				71.170			

Scale = 1:100 @ A1 — C — SECTION LINE — D

TITLE
PROPOSED DEVELOPMENT AT MAPPLEWELL LANE NORTH GAWBER

EXISTING DRAINAGE DITCH CROSS SECTIONS

STATUS: FOR APPROVAL

SCALE: AS SHOWN @A1

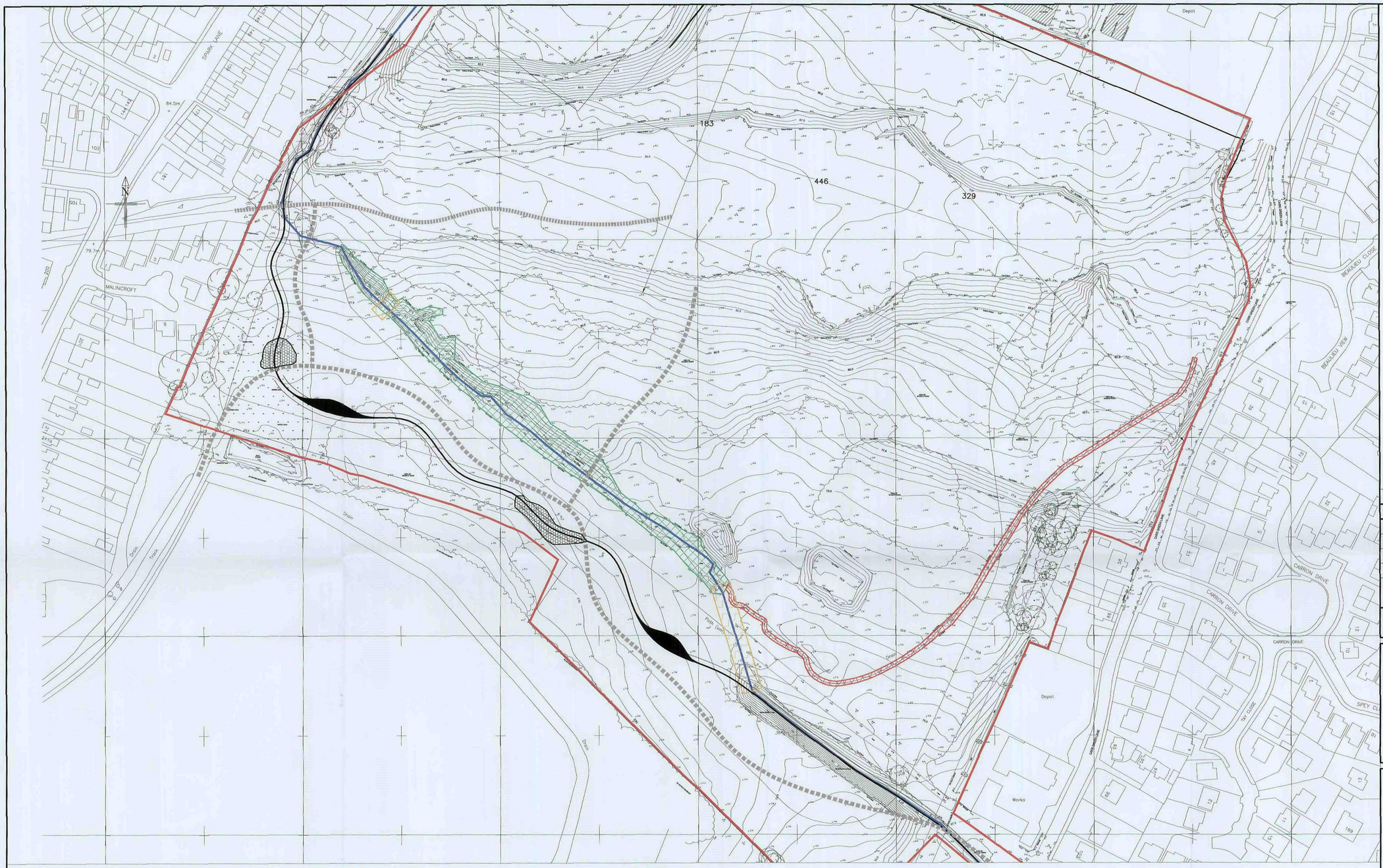
PLOT DATE: 18.09.09

FILE

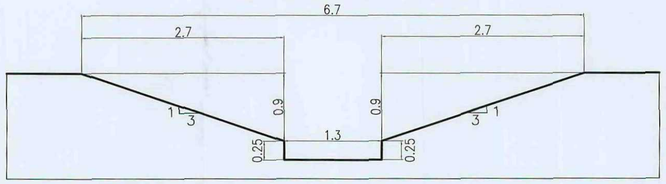
DRAWING NUMBER: J-D0368 - 004

REVISION: A

ORIGINAL SHEET SIZE A1 [840x594]

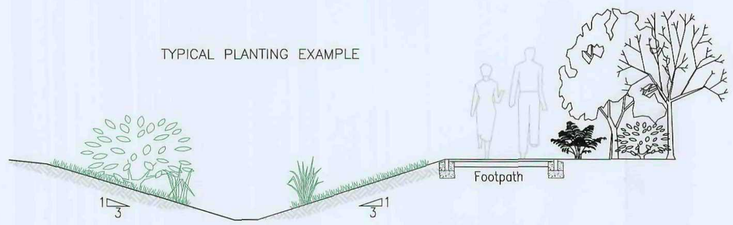


TYPICAL PROPOSED DITCH SECTION



Scale = 1:25 @ A1

TYPICAL PLANTING EXAMPLE



REV	AMENDMENT	APP'D	DATE
A	FIRST ISSUE		

	BY	CHECKED	DATE
DESIGN	AP	CH	18.09.09
DRAWN	AP	CH	18.09.09
APPROVED			30.09.09

This drawing and its contents are the property of Opus International Consultants Limited. Any unauthorised employment or reproduction, in full or in part, is forbidden.

Harworth Estates
A division of UK COAL PLC

Harworth Estates Ltd
Harworth Park
Blyth Road
Doncaster
DN11 8DB

OPUS JOYNES PIKE

Doncaster Office

1-2 Aire House
Richmond Business Park
Sidings Court
Doncaster
DN4 5NL

Tel: 01302 322295
Fax: 01302 322296

TITLE
PROPOSED DEVELOPMENT AT MAPPLEWELL LANE NORTH GAWBER

PROPOSED DRAINAGE DITCH DIVERSION AND TYPICAL CROSS SECTION

STATUS	FOR APPROVAL	
SCALE	AS SHOWN @A1	PLOT DATE 18.09.09
FILE		
DRAWING NUMBER	J-D0368 - 005	REVISION A

ORIGINAL SHEET SIZE A1 [840x594]