© Survey Operations Limited 2015
Reproduction in whole or in part by any means is prohibited without the prior permission of Survey Operations Limited.

Note:
The survey is plotted on a plane local Grid. Orientation to National Grid.
All levels relate to Ordnance Datum, achieved using the OS National GPS Network.

Survey Control Markers established for Mapping purposes only and should not be used for Construction without the written approval of Survey Operations Ltd.

Utility survey added to topographical survey job number 15J263.

All drainage information must be verified with local authority records before use.

SURVEY STATIONS

Name	Easting	Northing	Height
TBM1	342249.43	385787.37	45.27
S01	342077.29	385749.45	44.61
S02	342062.69	385620.72	45.84
S03	342024.68	386002.59	49.51

STANDARD REFERENCE & ABBREVIATIONS

(AB)..... Assumed Route
AB..... Air Brick
AV..... Air Valve
B/W..... Barbed Wire
BAR..... Barrier
BC..... Bellcote Beacon
BH..... Borehole
BL..... Bed Level
BOL..... Bollard
BS..... Bus Stop
BT Box..... British Telecom Box
BT..... British Telecom IC
BWTR..... Brick Retaining Wall
BW..... Brick Wall
C/B..... Close Boarded
C/I..... Corrugated Iron
C/P..... Chestnut Paling
CB..... Control Box
CBR..... Concrete Block Wall
CCTV..... Closed Circuit TV
CD..... Cable Duct
CEL..... Ceiler Light
CH/L..... Chain Link
CHY..... Chimney
CL..... Cover Level
CM..... Cable Marker
COL..... Column
CONC..... Concrete
CP..... Catch Pit
CRTW..... Concrete Retaining Wall
CTV..... Cable Television
CUL..... Culvert
CW..... Concrete Block Wall
DC..... Drainage Channel
DPC..... Damp Proof Course
DR..... Drain
DRW..... Dry Stone Wall
ECP..... Electricity Cable Pit
ECI..... Electricity Inspection Cover
EJ..... Expansion Joint
EJB..... Electricity Junction Box
EL SUB STN..... Electricity Sub Station
EL..... Eaves Level
ELB..... Electricity Box
EP..... Electricity Pole
ER..... Earth Rod
ETL..... Electricity Transmission Line
FB..... Flower Bed
FH..... Fire Hydrant
FL..... Floor Level
FP..... Flagpole
G"..... Girth (of tree)
G..... Gulley
GAB..... Gabion
GIP..... Gas Inlet Pipe
GMAR..... Gas Marker
GRT..... Gas Stop Tap (Domestic)
GSV..... Gas Stop Valve (Mains)
HSE..... Housing
HT..... Height
HV..... High Voltage
I/R..... Iron Railing
IC..... Inspection Cover
IL..... Invert Level
IP..... Inlet Pipe
KO..... Kerb Outlet
LB..... Letter Box
LP..... Lamp Post
MS..... Multi Girth
MH..... Manhole
MKR..... Marker
MP..... Mooring Point
NP..... Street Name Plate
O/H..... Overhead
O/P..... Open Paling
OE..... Overhead Electric Wire
OF..... Outfall Pipe
OSBM..... Ordnance Survey Bench Mark
OT..... Overhead Telecom Wire
P/C..... Post & Chain
P/R..... Post & Rail
P/W..... Post & Wire
PAV..... Paving
PB..... Pillar Box
PC..... Pedestrian Crossing
PP..... Petrol Pump
PT..... Post or Pillar
RE..... Rodding Eye
RS..... Road Sign
RTW..... Retaining Wall
RWP..... Rain Water Pipe
SAP..... Sapling
SL..... Sump Level
SO..... Soffit Level
SP..... Sign Post
SPL..... Springing Level
SRTW..... Stone Retaining Wall
SV..... Stop Valve (unspecified)
SVP..... Soil Vent Pipe
SW..... Stone Wall
TAC..... Tactile Paving
TB..... Traffic Bollard
TBM..... Temporary Bench Mark
TCB..... Telephone Call Box
TFR..... Token Free Records
TIE..... Anchor Point (Masts/Poles)
TL..... Traffic Light
TLB..... Traffic Light Control Box
TM..... Ticket Machine
TREE..... Tree
TP..... Telecommunications Pole
TRIG Pt
TS..... Trash Screen
U/C..... Under Construction
U/G..... Underground
UTL..... Unable to Lift (MH,IC etc)
UTS..... Unable to Survey
VDP..... Vehicle Detector Pad
VP..... Vent Pipe
WB..... Wire Mesh
WL..... Water Level
WM..... Water Meter
WO..... Wash Out
WP..... Waste Pipe
WSV..... Water Stop Tap (Domestic)
WSV..... Water Stop Valve (mains)

STORM WATER SEWERS
FOUL WATER SEWERS
WATER MAIN
GAS MAIN
ELECTRIC CABLES
CABLE DUCTING
TELECOM (UNDERGROUND)
CABLE TELEVISION
UNIDENTIFIED PLAINE
UNIDENTIFIED CABLE
UNIDENTIFIED MAIN
END OF MAST
LATERAL CONNECTIONS
SURVEY OPERATIONS LTD
SURVEY CONTROL
GRID AZIMUTH 0°00'00"
GRID AZIMUTH 0°00'00"

UNIDENTIFIED - Any manhole, valve or utility that has been covered, but we are unable to state what it is.
UNMOVING - The assumed location of a reported feature or utility, where the exact position is unknown. Also where the utility have (due to various conditions).
Lateral connections to utilities, even when they are live, are unable to be detected or traced.

UNDERGROUND UTILITIES SERVICES DISCLAIMER

We have endeavoured to locate existing services using records provided by Statutory Authorities by a plans base apparatus and by physical detection methods where appropriate. Utility Record Drawings, which may be of poor quality, frequently do not show the presence and depth of information taken from such records.

Where indicated, no allowance has been made for subsurface ground conditions, which may prevent the detection of buried ground level. Therefore any depths relating to depths, sizes and positions of services may be approximate.

We have endeavoured to locate any with the most accurate methods available at the time of the survey in accordance with the standard of our industry. We have taken great care in the selection of detection equipment and in the application of the methods of detecting underground or buried utilities. The detection of underground services is not an exact science and detection cannot be guaranteed. We do not accept any liability for any inaccuracies in the records supplied to us by the statutory undertakers or their agents, nor for any inaccuracies in the location of services shown on this survey.

It is the responsibility of the user to contact the statutory undertakers to verify the exact location of any services prior to excavation of the services shown.

NOTE 1
Contours are the base underlaid using
a 1.0m(interval) RC600 TIN
@ 10m Impedance Ground Proving Edgar

NOTE 2
Power overhead features shown on this drawing are shown as an indication only. We have not measured conductor heights or sags. We have not measured clearances between conductors. Clearances between conductors crossing the same trace are approximate. Clearances between conductors and ground or adjacent objects are greatest during hot days and least during cold days. Please contact the owner before using hoisted or tipping plant from the highway or near to overhead lines. Safe working distances must be observed at all times. Survey Operations Ltd. cannot be held responsible for any damage caused by plant coming into contact with overhead lines.

SurveY OPERATIONS
Smith Street, Skelmersdale, Lancs. WN8 8LN
Tel: 01695 725662 Fax: 01695 51816
Email: mail@survops.co.uk – www.survops.co.uk

Client
Mouchel

Drawing Title
Utility Survey of Land at:
Simpson Ground,
Hillfoot Road.

Scale(s)	1:500	Surveyor	TW
Date	Nov 15	Drawn	IT
Job Number	15J264	Checked	TW/SG

Sheet Size & Drg Number & Revision
A0 15J264/001