

**NOTES**

**GENERAL NOTES :-**

ALL LEVELS ARE IN METRES DERIVED FROM GPS TRANSFORMATION.  
 GRID COORDINATES ARE ORDNANCE SURVEY NATIONAL GRID DERIVED FROM GPS TRANSFORMATION.  
 GPS COORDINATES AND LEVELS SET AT ST02 (NO SCALE FACTOR APPLIED)  
 THIS DRAWING HAS BEEN PRODUCED WITH A PLOT SCALE ACCURACY OF 1:200  
 SERVICE COVERS INDICATED WHERE VISIBLE PIPE INVERTS / DETAILS SURVEYED FROM SURFACE  
 INSPECTION ONLY. GENERALLY DAMAGED COVERS AND COVERS WITHIN HIGHWAYS WILL NOT BE LIFTED  
 TREE SPECIES SHOULD BE CONFIRMED BY TREE SPECIALIST IF CRITICAL.  
 OVERHEAD CABLES ARE INDICATED USING REMOTE SURVEY METHODS AND ARE SUBJECT TO SEASONAL  
 VARIATION, AND SHOULD BE TREATED AS APPROXIMATE.  
 THE SURVEYOR WILL NOT BE RESPONSIBLE FOR THE OMISSION OF DETAILS OBSERVED DURING SITE SURVEY  
 RICS PROFESSIONAL STANDARDS 3RD EDITION RULE 1.19 APPLIES TO THIS SURVEY.

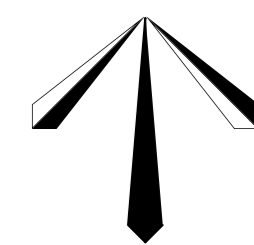
**TOPOGRAPHICAL SURVEY/UTILITY KEY :-**

- (ht) = height
- Ø = diameter
- = peg trap
- o/g = above ground
- a/r = assumed route
- av = air valve
- bb = bellha beacon
- bd = back drop
- bl = bed level
- bol = bollard
- bot = bottom of shaft
- bt = telecom
- c/a fence = closeboard fence
- c/box = control box
- cstv = cable television
- cl = cover level
- con = conifer
- cr = cable riser
- cas = combined water sewer
- d/chan = drainage channel
- elc = electric junction box
- elec = electric
- end = end of trace
- ep = electric pole
- er = earth rod
- f/bed = flower bed
- fh = fire hydrant
- fl = floor level
- fs = fire switch
- fas = foul water sewer
- g = gully
- g/run = gully run
- gr = gas riser
- h/chestnut = horse chestnut
- h/thorn = hawthorn
- ic = inspection cover
- il = invert level
- il = illuminated
- int = interceptor
- lp = lamp post
- m/c = manhole cover
- mkr = marker
- a/h = over head
- of = off let
- osa = off survey area
- OSBM = ordnance survey bench mark
- p & r fence = post & rail fence
- pd = pit depth
- pr = pipe rise
- ptg = pipe to ground
- ptg = pipe to surface
- re = ridding eye
- ret wall = retaining wall
- rs = road edge
- rw = rain water pipe
- s/bench = silver bench
- s/p = safety paving
- spp = stepping
- sec fence = security fence
- sfc = soil filled chamber
- sl = spot light
- sp = stop top
- av = stop valve
- svp = soil vent pipe
- sw = storm water sewer
- TBM = temporary bench mark
- Uf = taken from records
- tl = threshold level
- top = top of pipe
- top = top of tank
- tp = telecom pole
- ts = trench signal
- u/s = trench scar
- u/s = under side
- unl = unable to lift
- unl = unable to rod
- unl = unable to survey
- unl = unable to trace
- vp = vent pipe
- w/c = water filled chamber
- wl = water level
- wm = water meter
- wp = waste pipe
- wr = water riser

**SURVEY CONTROL :-**

STATION	EASTINGS	NORTHINGS	LEVEL
ST01	456026.130	206741.586	115.798
ST02	456012.696	206737.187	115.853
ST03	455997.632	206740.104	115.707
ST04	456010.536	206711.947	115.853
ST05	455993.755	206711.820	116.928
ST06	456004.862	206715.758	116.001

**NORTH**



**UTILITY SURVEY KEY :-**

- HATCHED AREA
- BOREHOLE
- CPT
- HAND PIT
- WINDOW SAMPLE
- ELECTRIC CABLE
- WATER PIPE
- FOLI SEWER
- STORM SEWER
- COMBINED SEWER
- DUCTS
- TV
- DATA CABLE
- TELECOM CABLE
- GAS PIPE
- UNIDENTIFIED SERVICE
- OTHER
- CCTV
- TRAFFIC LIGHT
- OFFSET FILL
- VENT
- FUEL PIPE
- GAUGE LINES
- PIPE
- ASSUMED ROUTE
- TAKEN FROM RECORDS

**DISCLAIMER :-**

Electromagnetic techniques have been used in the location of underground services. The results are not infallible and trial excavations should be carried out to confirm service identification, positions and particularly depths, where these are critical. The completeness of the underground services information cannot be guaranteed.  
 This method of survey does not differentiate between live and dead services, and as such all services should be treated as live. This drawing may not include the location of all public services that may cross the site, therefore the relevant service drawings should be obtained from the appropriate utility company and used in conjunction with this drawing.  
 Private service pipes and cables in highways are not shown, but their presence should be anticipated.  
 Additional below ground structures or obstructions not shown on this drawing may be present. Reference should be made to historical plans and as-built drawings.  
 Excavations in the vicinity of services should be carried out with due diligence ref: HSG47 document avoiding dangers from underground services  
 Please note that factors such as ground conditions, proximity of other utilities, material and method of construction have an influence on the quality of the data collected on site.  
 ISA Standards - "Even an appropriate and professionally executed survey may not be able to achieve a 100% detection rate."

**UTILITY NOTES**

**MIDLAND SURVEY LTD**

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Title TOPOGRAPHICAL SURVEY

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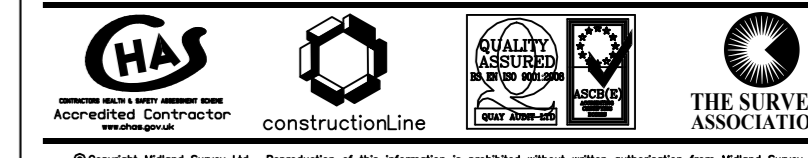
Scale 1:200@A1

Dwg No 43878/1

Surveyor J.C.

Checked J.S.

**TOPOGRAPHICAL (LAND) SURVEYORS / UTILITY SURVEYORS  
 BUILDING MEASUREMENT SURVEYORS / 3D LASER SCANNING**



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