

# TOPOGRAPHIC SURVEY REPORT

KILMARNOCK SOUTH



UAR3329  
Kilmarnock South  
001  
14/11/2022

## Document status

Version	Purpose of document	Authored by	Reviewed by	Approved by	Review date
001	Topographic Survey Report	SM	JS	JS	14/11/2022

## Approval for issue

John Selfridge



14 November 2022

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The Contractor is to check and verify all building and site dimensions, levels and sewer invert levels at connection points before work starts. The Contractor is to comply in all respects with current Building Legislation, British Standard Specifications, Building Regulations, Construction (Design & Management) Regulations, Party Wall Act, etc. whether or not specifically stated on this drawing. This drawing must be read with and checked against any structural, geotechnical or other specialist documentation provided.

This drawing is not intended to show details of foundations, ground conditions or ground contaminants. Each area of ground relied upon to support any structure depicted (including drainage) must be investigated by the Contractor. A suitable method of foundation should be provided allowing for existing ground conditions. Any suspect or fluid ground, contaminates on or within the ground, should be further investigated by a suitable expert. Any earthwork constructions shown indicate typical slopes for guidance only & should be further investigated by a suitable expert.

Where existing trees are to be retained, they should be subject to a full Arboriculture inspection for safety. All trees are to be planted so as to ensure they are a minimum of 5 metres from buildings and 3 metres from drainage and services. A suitable method of foundation is to be provided to accommodate the proposed tree planting. All tree types are provided as a guide only and a full arboriculture survey to be conducted to determine the exact tree types should be completed.

Sketch proposals are for illustrative purposes only & as such are subject to detailed site investigation including ground conditions/contaminants, drainage, design & planning/density negotiations. Sketch proposals may be based upon enlargements of OS sheets & visual estimations of existing site features, accuracy will therefore need to be verified by survey. Sketch proposals have not been considered in respect of CDM Regulations.

Survey carried out to client specification and in accordance with RICS publication:

SURVEYS OF LAND , BUILDING & UTILITY SERVICES AT SCALES 1:500 & LARGER, 3rd EDITION.

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# 1 SUMMARY

## 1.1 Survey History

DATE	CONTRACTOR	DETAILS	DRAWINGS AND DOCUMENTS ISSUED
26/05/2022	RPS	Topographic Survey	UAR3329_A_2D.dwg UAR3329_A_2D.pdf UAR3329_A_3D.dwg UAR3329_A_3D.pdf UAR3329_A_Report.pdf

## 1.2 Dates of Survey

**Fieldwork:** 09/06/2022

**Data-processing:** 10/06/2022

**Completion:** 12/06/2022

## 1.3 Personnel

INITIALS	POSITION	FIELDWORK	DATA-PROCESSING	REPORT COMPILATION	QA
SM	Topographical Surveyor	✓	✓	✓	
JS	Survey Manager				✓

## 2 FIELD EQUIPMENT USED

TYPE	MAKE	MODEL	SURVEYOR
Total Station	Trimble	S8	SM
GPS	Trimble	R10	SM

## 3 SURVEY CONTROL

### 3.1 Grid System(s) & Orientation

A Local Plane Grid with a scale factor of 1.0000 applied to traverse controls (Corrections)

Station P001 and P002 were fixed using the National Grid Co-ordinate.

### 3.2 Height Datum

Survey Control Stations were levelled from traverse using a fixed height obtained from GPS derived data for P001 = 107.062

### 3.3 OSBM adopted

No Benchmarks were visited for this survey. GPS derived values obtained.

### 3.4 GPS Observations & Processing

OSGB Plane Grid System via OSGM15 & OSTN15 Parameters (established through observations tied to the Ordnance Survey Active GPS Network).

### 3.5 GPS Control Network



P001

P002

### 3.6 Survey Detail

The majority of the site was surveyed using Trimble VRSNow software and Trimble R10 GPS Receivers. Tolerance was set at a maximum 0.020m for position and elevation.

## 4 SURVEY RESULTS

### 4.1 Schedule of Associated Drawings & Data

The Following items were delivered in respect of this survey report.

FILENAME	CONTENT
UAR3329_A_2D.dwg	AutoCAD Drawing
UAR3329_A_2D.pdf	Adobe Reader
UAR3329_A_3D.dwg	AutoCAD Drawing
UAR3329_A_3D.pdf	Adobe Reader
UAR3329_A_Report.pdf	Adobe Reader

### 4.2 Schedule of Primary Control Stations

Station Name	Easting	Northing	Level	Type
P001	244927.526	632606.675	107.062	PK Nail
P002	244993.863	632659.804	104.570	PK Nail

## STANDARD ABBREVIATIONS

ACO	LINEAR DRAINAGE CHANNEL	GP	GUIDE POST	Sap	SAPLING
AV	AIR VALVE	GPR	GROUND PROBING RADAR	SB	SIGN BOARD
A/R	ASSUMED ROUTE	Grl	GRILLE COVER	Shlt	SHELTER
BB	BELISH BEACON	GV	GAS VALVE COVER	Si	SPUN IRON
BdL	BED LEVEL	HI	HAND RAIL	SL	SOFFIT LEVEL
BH	BOREHOLE	IC	INSPECTION COVER	Slt	SILT LEVEL
Bol	BOLLARD	IL	INVERT LEVEL	SMP	SETTLEMENT MONITORING Pnt
BP	BOUNDARY POST	I/R	IRON RAILING FENCE	SP	SIGN POST
B Pvg	BLOCK PAVING	KO	KERB OUTLET	SPt	SAMPLING POINT
BRck	BICYCLE RACK	Lby	LIFEBUOY	SS	STRUCTURE POINT
BS	BUS STOP	Lck	LOCK GATE	ST	STAND PIPE / SUPPLY TAP
BT	BRITISH TELECOM COVER	Ldr	LADDER	Sti	STILE
BW	BRICK WALL	LOR	LOSS OF REFLECTION (gpr)	STL	STRUCTURE TOP LEVEL
BWF	BARBED WIRE FENCE	LOS	LOSS OF SIGNAL (eml)	Stone Pvg	STONE PAVING SLABS
CAP	CABLE WINDING MACHINE	LP	LAMP POST	STP	STAND PIPE
Cat	CATENARY LEVEL	Mcy	MACHINERY	StPO	STAY POST
CATV	CABLE TV COVER	MH	MANHOLE	Stu	STUMP
CB	CONTROL BOX	MgP	MOORING POST	SW	STAYWIRE
C/B	CLOSE BOARDED FENCE	Mkr	MARKER POST	SV	STOP VALVE
CD	CHAMBER DEPTH	MP	MILE POST	SW	STONE WALL
Cgd	CATTLE GRID	MS	MILESTONE	Tac	TACTILE PAVING
Ci	CAST IRON	MU	ELECTRIC MOTOR	TBM	TEMPORARY BENCH MARK
CIP	CABLE INLET POINT	NVP	NO VISIBLE PIPE	TBol	BOLLARD (Dept' Transport)
CL	COVER LEVEL	NP	NAME PLATE	TCB	TELEPHONE CALL BOX
C/L	CHAIN LINK FENCE	OSA	OUTSIDE SURVEY AREA	TCP	TELEPHONE CALL POST
Conc	CONCRETE	OSBM	OS BENCH MARK	TEL	TELECOM COVER
Conc Pvg	CONCRETE PAVING	OGC	OVERGROUND CONDUIT	ThL	THRESHOLD LEVEL
CP	CATCHPIT	OHca	OVERHEAD CABLE Unidentified	TL	TRAFFIC SIGNAL POST
CpL	COPING LEVEL	OHC	OVERHEAD CONDUIT	TM	TICKET MACHINE
Cpsn	CAPSTAN	OHE	OVERHEAD ELECTRIC	ToV	TOP OF VALVE LEVEL
CR	CRANE / HOIST	OHG	OVERHEAD GANTRY	TP	TELEGRAPH POLE
Cul	CULVERT	OHS <sub>struct</sub>	OVERHEAD STRUCTURE	Tpt	TRIAL PIT
CW	CONCRETE WALL	OHT	OVERHEAD TELECOMS	Tr	TROUGH
Di	DUCTILE IRON	P	POST	UTA	UNABLE TO ACCESS
(dilap)	DILAPIDATED	PB	POST BOX	UTL	UNABLE TO LOCATE
(dis)	DISUSED	PC	SECURITY CAMERA	UTR	UNABLE TO RAISE
DPC	DAMP PROOF COURSE	Pcg	PEDESTRIAN CROSSING	UTS	UNABLE TO SURVEY
DS	DIRECTION SIGN	PD	PIT DEPTH	UTT	UNABLE TO TRACE (utilities)
DSW	DRYSTONE WALL	P/F	PANEL FENCE	VC	VITRIFIED CLAY
EIC	ELECTRICITY COVER	PP	PETROL PUMP	VDP	VEHICLE DETECTION PAD
EL	EAVES LEVEL	P/R	POST & RAIL FENCE	VP	VENT PIPE
EOT	END OF TRACE (utility)	Psk	PENSTOCK	VW	VALVE WHEEL
EP	ELECTRICITY POLE	PV	VERTICAL PIPE	WB	WEIGH BRIDGE
ER	EARTH ROD	Pyj	PYLON	WG	WATER GAUGE
ESP	ELECTRICITY SUPPLY POINT	PZ	PIEZOMETER	WL	WATER LEVEL
ESW	ELECTRICITY SWITCH BOX	RE	RODDING EYE	WM	WATER METER
FB	FOOTBRIDGE	RG	RAIN GAUGE	WM	WIRE MESH FENCE
FL	FLOOR LEVEL	RL	RIDGE LEVEL	WO	WASHOUT COVER
FFL	FINISHED FLOOR LEVEL	RMP	RESERVOIR MONITORING Pnt	WS	WIND SOCK POLE
Flgt	FLOOR LIGHT	RP	REFLECTOR POST	WSR	WATER LEVEL SENSOR
FH	FIRE HYDRANT	RS	ROAD SIGN		
FS	FLAG STAFF	RSP	RAILWAY SIGNAL POST		
G	GULLY	RW	RETAINING WALL		
GIS	GAS INLET POINT	RWP	RAN WATER PIPE		