



Station	Co-ordinate Table		
	Easting	Northing	Level
1	399915.950	407114.919	153.438
2	399914.205	407040.808	181.546
3	399940.180	406956.961	175.664
4	399981.600	406932.461	175.058
5	400029.759	407048.298	176.583
6	400028.938	407111.697	176.640
7	399962.398	407163.770	183.316
8	400105.365	407109.314	179.936
9	400105.973	407174.991	179.205
10	400126.800	407241.059	179.803
11	400134.536	407308.734	179.533
12	400155.292	407363.676	182.769
13	400239.087	407368.937	191.299
14	400242.490	407306.340	191.139
15	400214.763	407254.542	190.420
16	400189.543	407174.279	178.640
17	400163.586	407082.233	186.378

GPS Note:
This survey is related to Ordnance Survey National Grid by GPS 'topo static' methods. No scale factor has been applied to the survey information. All horizontal distances taken from this drawing are ground distances.

Every effort has been made to confirm drainage runs, type and size on site, yet it is advised to check these details against statutory authority records before proceeding with any design.

Note: The underground services information has been supplied by A.E. Byrne

UTILITY KEY

	ELECTRIC CABLE
	TELEVISION CABLE
	CABLE TELEVISION
	COMMUNICATION CABLE
	WATER PIPE
	GAS PIPE
	FOUL DRAINAGE
	SURFACE DRAINAGE
	COMBINED DRAINAGE
	FUEL PIPE
	VENT PIPE
	OFFSET FILL PIPE
	GAUGE LINE
	VAPOUR RECOVERY
	SERVICE DUCTS
	UNIDENTIFIED
	END OF TRACE

ABBREVIATIONS

AR	ASSUMED ROUTE	PR	PIPE RISER
BD	BENCHING POINT	RE	RECORDING EYE
CD	CATCHPIT	RWP	RAINWATER PIPE
CL	CABLE LEVEL	SV	STOP VALVE
CR	CABLE RISER	SVP	SOIL VENT PIPE
CP	COVER POINT	TP	TELEGRAPH POLE
EP	ELECTRICITY POLE	TFR	TANK FIRM RECORDS
ESC	EDGE OF CANOPY	UTL	UNABLE TO SURVEY
END	END OF TRACE	VL	WATER LEVEL
FN	FIRE HYDRANT	VP	VENT PIPE
G	GULLY	VM	VAPOUR RECOVERY
GV	GAS VALVE	WM	WATER METER
IC	INSPECTION CHAMBER	WR	WASH OUT VALVE
IL	INVERT LEVEL	WO	WASH OUT VALVE
LH	LAMP HOLE		
LMP	LAMP POST		
MH	MANHOLE		
NV	NO VISIBLE EXIT		
NL	NOT LOCATED		
SWS	SURFACE WATER SEWER		
FWS	FOUL WATER SEWER		
CWS	COMBINED WATER SEWER		

DISCLAIMER
ELECTROMAGNETIC TECHNIQUES AND/OR GROUND PENETRATING RADAR HAVE BEEN USED IN THE LOCATION OF UNDERGROUND SERVICES. THE RESULTS ARE NOT INFALLIBLE AND FINAL LOCATIONS SHOULD BE CARRIED OUT TO CONFIRM SERVICE IDENTIFICATION POSITIONS AND PARTICULARLY DEPTHS. WHERE THESE ARE CRITICAL, AN ADDITIONAL REASONABLE EFFORT HAS BEEN MADE IN SEARCHING AVAILABLE RECORD DRAWINGS. THE COMPLETENESS OF THE UNDERGROUND SERVICES INFORMATION CANNOT BE GUARANTEED. THE METHODS OF SURVEY DOES NOT DIFFERENTIATE BETWEEN LIVE AND DEAD SERVICES AND AS SUCH ALL SERVICES SHOULD BE TREATED AS LIVE.
WHERE SERVICES ARE NON-METALLIC POSITIONS MAY BE TAKEN FROM RECORDS, TRENCH SCANS & SURFACE DET.
WHERE QUOTED DEPTH ESTIMATIONS ARE GENERALLY TO THE CENTRE OF THE SERVICE. DEPTHS TO SURVEY SERVICES AND DRAINS ARE GENERALLY TO INVERT LEVELS UNLESS OTHERWISE STATED.
PIPE SIZES WHICH CANNOT BE OBTAINED BY VISUAL SURVEY ARE TAKEN FROM RECORD DRAWINGS OR MARKER PLATES WHERE AVAILABLE.
WHERE GROUND PENETRATING RADAR HAS BEEN USED IT WILL PRIMARILY HAVE BEEN TO IDENTIFY UNDERGROUND UTILITIES. IF POSSIBLE WE WILL ALSO IDENTIFY UNDERGROUND STRUCTURES (TANKS ETC) BUT CANNOT GUARANTEE TO HAVE LOCATED ALL SUCH ITEMS. THE USE OF RADAR CAN BE LIMITED BOTH BY SURFACE CONDITIONS AND ALSO BY SOIL TYPE. DEPTH ESTIMATES WOULD NOT NORMALLY BE PROVIDED FOR SERVICES LOCATED WITH GPR.

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Land and Architectural Surveyors

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Client: **EFA**

Project: **SADDLEWORTH SECONDARY SCHOOL**

Title: **UNDERGROUND SERVICES**

Drawn by: **JW** Checked by: **NDO**
Scale: **1:200@AQ** Date: **Oct 2014**
Drawing Number: **TS13-367SC/6** A
Sheet **3** of **5**

All levels related to the GPS network at Station 1.
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