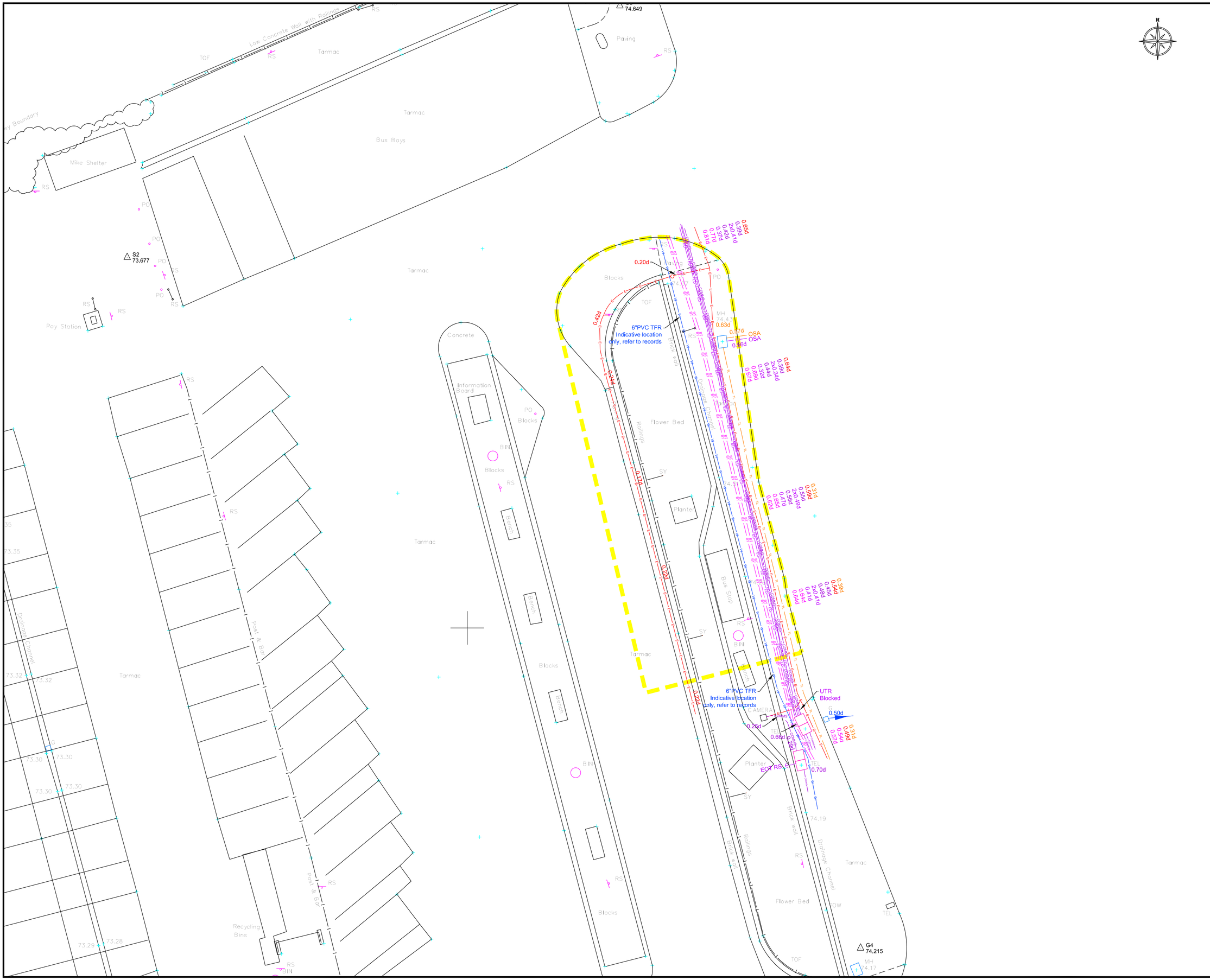

LEGEND

	Foul Drainage
	Surface Drainage
	Combined Drainage
E	Electricity
HV	Electricity High Voltage
LV	Electricity Low Voltage
GAS	Gas
GPR	Ground Penetrating Radar
W	Water
CATV	Cable Television
CCTV	Close Circuit Television
COMMS	Communication
BT	British Telecom
OIL	Oil Pipe
PIPE	Pipe
OFL	Offset Fill
A	Compressed Air
F	Fuel Line
GL	Gauge Line
FO	Fibre Optics
U	Unknown
VR	Vapour Recovery
V	Ventilation
	Fence
ED	Empty Duct
FA	Fire Alarm
TL	Traffic Lights
	Survey Boundary

Borehole · Window Sample · Soil Vapour Sample · Trial Pit · End Of Trace · Excavated Area · GPR Anomaly Area · Unable to Survey Area

ABBREVIATIONS

AR	ASSUMED ROUTE	OH	OVERHEAD
BD	BACKDROP	OSA	OUTSIDE SURVEY AREA
BF	BACK FILLED	PE	POLYETHALINE
BH	BOREHOLE	PR	PIPE RISER
BHP	BOREHOLE PROVISIONAL	PVC	POLYVINYL CHLORIDE
BTIC	BRITISH TELECOM CHAMBER	RE	RODDING EYE
CI	CAST IRON	RS	ROD STOPPED
CL	COVER LEVEL	RWP	RAINWATER PIPE
CP	CATCH PIT	SV	STOP VALVE
CR	CABLE RISER	SVP	SOIL VENT PIPE
DP	DOWN PIPE	SVS	SOIL VAPOUR SAMPLE
EP	ELECTRICITY POLE	T	TANK
EOT	END OF TRACE	TFR	TAKEN FROM RECORDS
FE	FENCE EARTH POINT	TP	TELEGRAPH POLE
FH	FIRE HYDRANT	UST	UNDERGROUND STORAGE TANK
FLD	FLOODED		
G	GULLY	UTL	UNABLE TO LIFT
GPR	GROUND PENETRATING RADAR	UTR	UNABLE TO ROD
GV	GAS VALVE	UTS	UNABLE TO SURVEY
IC	INSPECTION CHAMBER	UTT	UNABLE TO TRACE
IL	INVERT LEVEL	VP	VENT PIPE
INT	INTERCEPTOR	VR	VAPOUR RECOVERY
LP	LAMP POST	WL	WATER LEVEL
MH	MANHOLE	WM	WATER METER
NPV	NO PIPES VISIBLE	WO	WASH OUT VALVE
ND	NO DEPTH (Unable to acquire depth)	WR	WATER RISER
		WS	WINDOW SAMPLE

GENERAL NOTES:

Electromagnetic and GPR methods used to locate services.

Base plan provided by HSP.

It's recommended that statutory service records are consulted in conjunction with this survey. Electric, water and sewer records provided prior to site visit.

Severn Trent Water UTT TFR. Indicative location only, poor quality record provided.

Underground services shown on this drawing are illustrated by an individual service line, this does not necessarily represent the number of cables or ducts.

Services shown outside the survey boundary are for information only and may not be complete. If information is required outside our survey boundary, please contact an RP Drilling Project Manager.

Electromagnetic and GPR Survey Disclaimer

Electromagnetic and Ground Penetrating Radar techniques have been used to locate/map underground utilities within the designated survey area. RP Drilling Ltd has made every endeavour to ensure that the information contained within this drawing is accurate and of the highest quality.

The completeness of any underground survey cannot be 100% guaranteed. Additional services, structures or other below ground obstructions not indicated on this drawing may be present on site, meaning the results from these types of survey are not infallible.

Electromagnetic techniques can only locate those services that generate an electromagnetic field, or which an electromagnetic field can be induced by either directly clamping onto a service or line threading/sonding. For example an electromagnetic survey would not locate plastic gas pipes, plastic water pipes and some communication cables etc. An electric current will flow along the path of least resistance, this means that when a current is induced into a feature it will 'jump' to adjacent features if they offer a better conducting pathway. It is therefore possible that features that are detected by connecting to one type of apparatus may not in fact be that type of utility. Therefore the identification of apparatus cannot be assumed to be totally accurate and cannot guarantee to reveal the exact routes of all buried services or to detect their presence.

GPR does NOT classify buried services, but can indicate the presence of voids, disturbed ground, trenches etc. The effectiveness of GPR can be severely limited by ground conditions and therefore it's results cannot be guaranteed.

Depths of underground features are generally within +/- 10% accurate. The depths obtained are measured from the centre of the conductor and do not necessarily indicate the depth to a duct or pipe. If the location or depth of a service/feature is of particular importance to a project, it is strongly advised that trial excavations should be undertaken (Ref: HSG47) to confirm survey results.

Any information taken from record plans, or statutory utility providers will be used as a guide only and is not guaranteed. If our surveyors are unable to trace a 'known' service it will be marked on the drawing as TFR (taken from records). RP Drilling Ltd is not liable for any inaccuracies relating to that service as historic record information is often incomplete and cannot be relied upon.

RP Drilling Ltd is not liable for any topographical survey that has not been undertaken by us. Any inaccuracies relating to topographical plans/development plans/Ordnance Survey data that we have no control over is the liability of the client. Based on equipment limitations RP Drilling cannot be held responsible for any inaccuracies beyond those that could be reasonably expected by a competent company and calibrated equipment.

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Surveyed by	CA/WR	Drawn by	TT	Approved by	CA
Drawing No.	0317-HSP-006			Revision	-
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