



- NOTES:**
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 - Where electric & metallic services are illustrated on this drawing as a single utility line, these may represent multiple pipes/cables.
 - Possible radar targets show the position of suspected underground linear features, these features have produced an inconsistent response to the radar.
 - It is not always possible to differentiate between construction features and pipes, it is therefore possible that some of the features shown are not pipes or cables.
 - Every care has been taken to ensure the correct identification of the utility types, however these should be independently verified prior to use in any design/ building works.
 - All pipe diameters and levels are assumed to be correct, however due to non entry to inspection chambers, these should be verified before any works commence.
 - Depths shown with the suffix (RD) have been measured using radio frequency locators and are to the centre of pipes/cables. Depths shown with the suffix (S) have been measured to a radio frequency sewer sonde and are to the invert of pipes. Therefore these depths are indicative only.
 - All utility depths are in metres unless otherwise stated.
 - All pipe/duct sizes are in millimetres unless otherwise stated.
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 - Scale indicated is only applicable when plotted at sheet size.

LINE-TYPE KEY

[Red dashed line]	ELEC	Electricity
[Red solid line]	BT	British Telecom
[Blue dashed line]	WTR	Water
[Blue solid line]	WTR	Water
[Green dashed line]	FW	Foul Water
[Green solid line]	FW	Foul Water
[Purple dashed line]	SW	Storm Water
[Purple solid line]	SW	Storm Water
[Orange dashed line]	MET	Metallic
[Orange solid line]	MET	Metallic
[Pink dashed line]	COM	Telecom
[Pink solid line]	COM	Telecom
[Light blue dashed line]	ED	Empty Duct
[Light blue solid line]	ED	Empty Duct
[Light green dashed line]	FC	Fibre Optics
[Light green solid line]	FC	Fibre Optics
[Light purple dashed line]	VM	Virgin Media
[Light purple solid line]	VM	Virgin Media
[Light blue dashed line]	LV	Low Voltage
[Light blue solid line]	LV	Low Voltage
[Light red dashed line]	11kV	11Kv High Voltage
[Light red solid line]	11kV	11Kv High Voltage
[Light orange dashed line]	33kV	33Kv High Voltage
[Light orange solid line]	33kV	33Kv High Voltage
[Light yellow dashed line]	FR	Foul Water Records
[Light yellow solid line]	FR	Foul Water Records
[Light green dashed line]	GR	Gas Records
[Light green solid line]	GR	Gas Records
[Light purple dashed line]	SWR	Storm Water Records
[Light purple solid line]	SWR	Storm Water Records
[Light blue dashed line]	WR	Water Records
[Light blue solid line]	WR	Water Records
[Light orange dashed line]	US	Unknown Service
[Light orange solid line]	US	Unknown Service
[Light pink dashed line]	CR	Comms Records
[Light pink solid line]	CR	Comms Records
[Light blue dashed line]	STR	Strong Radar Target
[Light blue solid line]	STR	Strong Radar Target
[Light purple dashed line]	WR	Weak Radar Target
[Light purple solid line]	WR	Weak Radar Target
[Light blue dashed line]	1.4d	Depth to top of service detected
[Light red dashed line]		GPR Detected Anomaly
[Light red solid line]		GPR Detected Reinforcing
[Light green dashed line]		Extents of Trenched Ducting
[Light blue dashed line]		Scan Area
[Light blue solid line]		Unable to Scan Area

SURVEY LEGEND

AB	AB BRICK	FH	FIRE HYDRANT	PF	POST & WIRE FENCE
AV	AIR VALVE	FHM	FIRE HYDRANT MARKER	RE	ROCKING EYE
BL	BELLS	FL	FLOOR LEVEL	RE	ROCK LEVEL
BB	BELLS BEACON	FP	FENCE POST	RL	ROAD SIGN
BS	BONDING	FWM	FOWL WATER MANHOLE	RTW	RETAINING WALL
BH	BOREROLE	G	GULLY	RWP	RAINWATER PIPE
BL	BELTSTOP	GL	GULLY	SC	STOP COIL
BK	BRICKWORK	GP	GATE POST	SDP	STAND PIPE
BL	BELTSTOP	GM	GRASS MARKER	SL	SOIL MARKER
BM	BRICK MARK	GV	GULLY VALVE	SL	SOFT LEVEL
BW	BRICK WALL	HW	HEAD WALL	SM	SURFACE WATER MANHOLE
BF	BURIED FENCE	IC	INSPECTION CHAMBER	SMP	SHEET METAL PILING
CB	CLOSE BOARDED FENCE	IL	INVERT LEVEL	SP	SIGN POST
CF	CORRUGATED IRON FENCE	IR	IRON RAILING FENCE	STN	STONE
CL	COVER LEVEL	IWF	INTEROVEN FENCE	SV	SURFACE VALVE
CLC	CONCRETE FENCE	JR	JUNCTION	SW	SOIL TEST PIPE
CONC	CONCRETE	KG	KEB INLET GULLY	SWF	SHEEP WIRE FENCE
COF	CONCRETE LEVEL	LB	LEFT BANK	TBM	TEMPORARY BENCH MARK
CP	CHESTNUT PILING FENCE	LB	LEFT BANK	TC/TCF	TELEPHONE CALL BOX/POST
CL	CABLE MANHOLE	LF	LEFT FOOT	TM	TELECOM MANHOLE
CTV	CABLE TV MANHOLE	LP	LEFT POST	TMH	TELECOM MANHOLE
CL	CULVERT	MF	MISCELLANEOUS FENCING	TL	TRAFFIC LIGHT
CL	CULVERT	MH	MARKER	TLB	TRAFFIC LIGHT BOX
DL	DECK LEVEL	MIF	MISCELLANEOUS FENCE	TR	TRUSS RAILING
DN	DOWNPIPE	MNF	METAL RAILING FENCE	TS	TREES
DPC	DAMP PROOF COURSE	MNS	METAL RAILING FENCE	TS	TREES
DR	DRAIN	MS	MISCELLANEOUS FENCE	TSR	TURBULAR STEEL RAILINGS
DW	DOG WASTE BIN	NA	NOTICE BOARD	VP	VERTICAL WATER PIPE
EA	ENVIRONMENTAL AGENCY	NBA	NATIONAL BUREAU AUTHORITY	WB	WASTE BIN
EB	ELECTRICITY BOX	OC	OVERHEAD CABLE	WB	WATER METER
ECF	ELECTRICITY CABLE PIT	OS	ORANGE SURVEY	WBL	WATER BELL WATER LINE
EP	EARTHING ROD	OSR	ORANGE SURVEY	WML	WATER METER
EL	ELECTRICITY PILE	PA	PARKING	WMP	WOODEN POST
ER	EARTHING ROD	PA	PARKING METER	WPR	WOODEN POST & RAIL FENCE
EEL	ELECTRICITY TRANSMISSION LINE	PD	POST	WV	WATER VALVE
FB	FLOWER BED	PF	POST & RAIL FENCE	YG	YARD GULLY
FBR	FOOTBRIDGE	PTM	PARKING TICKET MACHINE		



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PROJECT/WATERCOURSE
Thames Young Mariners

SITE/LIMITS
Topographic Survey showing Services
Sheet 1 of 5

SURVEYED BY: AP Land Surveys Ref: APLS-1407

SURVEY DATE: AUGUST 2023

SCALE: 1:100@A1	DRN: AMP	CHKD: AJP
DATUM: ODN (OSTN15)	DATE: AUG 23	DATE: AUG 23
GRID: NATIONAL (OSTN15)	DRAWING NO. APLS-1407-006	REV: -



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 - Where electric & metallic services are illustrated on this drawing as a single utility line, these may represent multiple pipes/cables.
 - Possible radar targets show the position of suspected underground linear features, these features have produced an inconsistent response to the radar.
 - It is not always possible to differentiate between construction features and pipes, it is therefore possible that some of the features shown are not pipes or cables.
 - Every care has been taken to ensure the correct identification of the utility types, however these should be independently verified prior to use in any design/ building works.
 - All pipe diameters and levels are assumed to be correct, however due to non entry to inspection chambers, these should be verified before any works commence.
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LINE-TYPE KEY

	ELEC	Electricity
	BT	British Telecom
	WTR	Water
	GA	Gas
	FW	Foul Water
	SW	Storm Water
	ME	Metallic
	COM	Telecom
	ED	Empty Duct
	CC	Mercury Comms
	FO	Fibre Optics
	VM	Virgin Media
	CA	Cable TV
	LV	Low Voltage
	11kV	11Kv High Voltage
	33kV	33Kv High Voltage
	FR	Ford Water Records
	EL	Electricity Records
	GA	Gas Records
	SW	Storm Water Records
	WTR	Water Records
	UNK	Unknown Service
	COM	Comms Records
	STR	Strong Radar Target
	WR	Weak Radar Target
	1.4d	Depth to top of service detected
		GPR Detected Anomaly
		GPR Detected Reinforcing
		Extents of Trenched Ducting
		Scan Area
		Unable to Scan Area

SURVEY LEGEND

AB	AB BRICK	FH	FIRE HYDRANT	PF	POST & WIRE FENCE
AV	AIR VALVE	FHM	FIRE HYDRANT MARKER	RE	ROCKING EYE
BL	BELAND	FL	FLOOR LEVEL	RL	RIDGE LEVEL
BB	BELSHIR BEACON	FP	FENCE POST	RS	ROAD SIGN
BS	BONDARY	FWM	FOWL WATER MANHOLE	RTW	RETAINING WALL
BH	BORDERLINE	GL	GULLY	RWP	RAINWATER PIPE
BL	BELIEVEL	GS	GROUND LEVEL	SC	STOP COKE
BK	BRICKWORK	GP	GATE POST	SDP	STAND PIPE
BL	BELSTOP	GM	GIS MARKER	SE	SEWER OPEN
BM	BRICK MARK	GV	GLASS	SL	SOFT LEVEL
BW	BRICK WALL	HW	HEAD WALL	SM	SURFACE WATER MANHOLE
BWF	BRICK FENCE	IC	INSPECTION CHAMBER	SAP	SHIRT METAL PILING
CBF	CLOSE BOARDED FENCE	IL	INVERT LEVEL	SP	SIGN POST
CF	CORRUGATED IRON FENCE	IP	IRON PILING FENCE	ST	STEEL
CL	COVER LEVEL	IWF	INTEROVEN FENCE	SV	SURFACE VALVE
CLC	CONCRETE FENCE	J	JUNCTION	SW	SOFT LEVEL PIPE
CONC	CONCRETE	KG	KEB INLET GULLY	SWF	SHEEP WIRE FENCE
CONC	CONCRETE LEVEL	LB	LEFT BANK	TBM	TEMPORARY BENCH MARK
CP	CHESTNUT PAVING FENCE	LB	LEFT BANK	TCN/CP	TELEPHONE CALL BOX/POST
CL	CABLE MARK	LFB	LEFT BANK	TM	TELECOM MANHOLE
CTV	CABLE TV MANHOLE	LR	LEFT BANK	TM	TELECOM MANHOLE
CLL	CABLE TV	MA	MANHOLE	TM	TELECOM MANHOLE
CLL	CABLE TV	MF	MISCELLANEOUS FENCING	TL	TRAFFIC LIGHT
DL	DECK LEVEL	MK	MARKER	TLB	TRAFFIC LIGHT BOX
DS	DRAINAGE	MP	METAL PILING FENCE	TS	TRUSS BRACING
DPC	DAMP PROOF COURSE	MS	METAL PILING FENCE	TS	TRUSS BRACING STRIP
DW	DRAIN	MS	METAL PILING FENCE	TS	TRUSS BRACING STRIP
DWB	DRAINAGE	NA	NOTICE BOARD	TSR	TURBULAR STEEL RAILINGS
EA	ENVIRONMENTAL AGENCY	NIA	NATIONAL INVER AUTHORITY	VP	VERT PIPE
EB	ELECTRICITY BOX	NC	NOTICE BOARD	WB	WASTE BIN
ECP	ELECTRIC CABLE FENCE	OD	OBSTACLE SURVEY	WLL	WATER LEVEL WATER LINE
ECP	ELECTRICITY CABLE PIT	OS	OBSTACLE SURVEY	WM	WATER METER
EL	EARTH LEVEL	OS	OBSTACLE SURVEY	WM	WATER METER
EP	ELECTRICITY PILE	PA	PARKING SIGN	WP	WOODEN POST
ER	EARTHING ROD	PA	PARKING METER	WPR	WOODEN POST & RAIL FENCE
EEL	ELECTRICITY TRANSMISSION LINE	PD	POST	WV	WATER VALVE
FB	FLOWER BED	PF	POST & RAIL FENCE	YG	YARD GULLY
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21 Grandisson Drive, Ottery St Mary, Devon, EX11 1JD

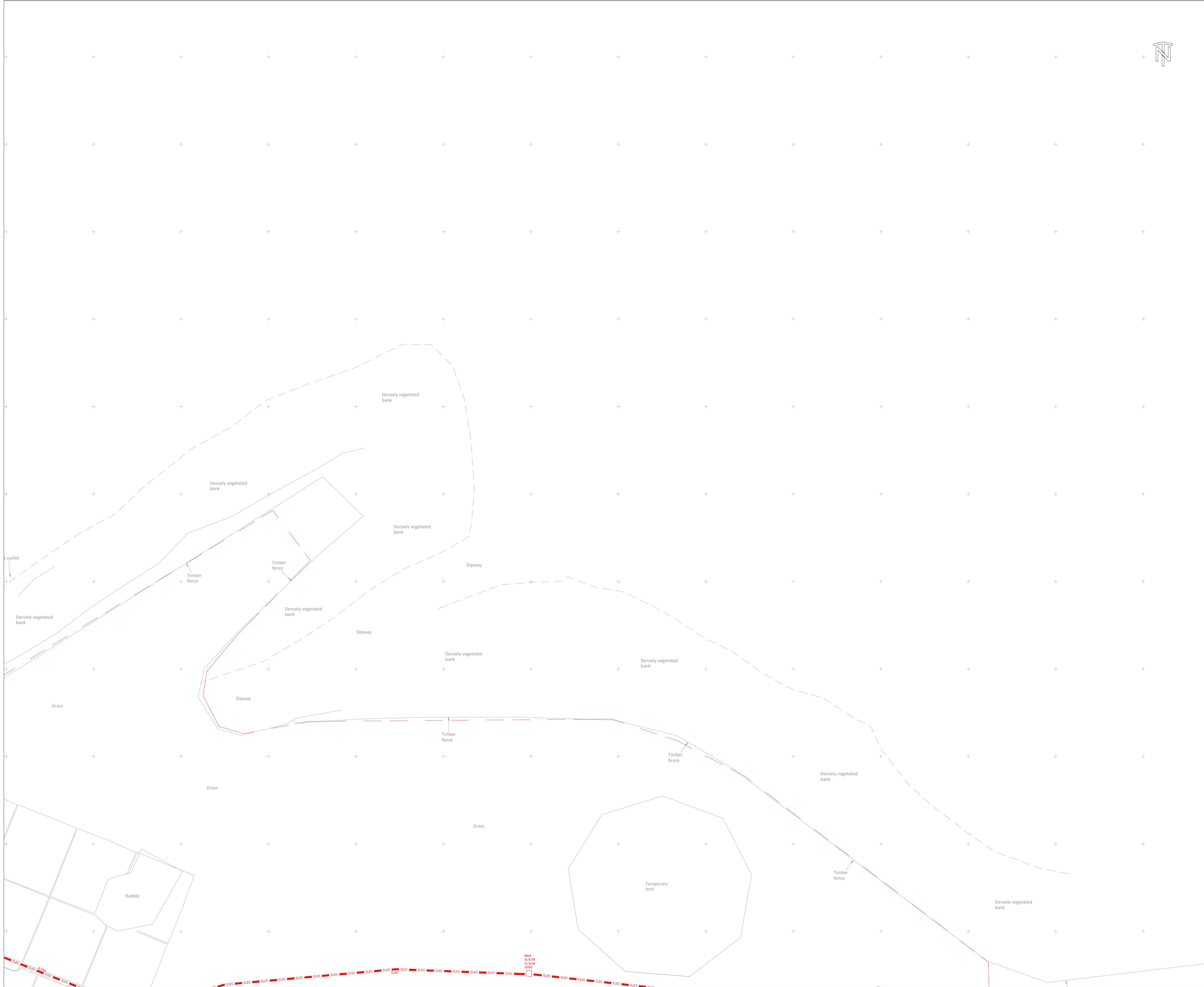
PROJECT/WATERCOURSE

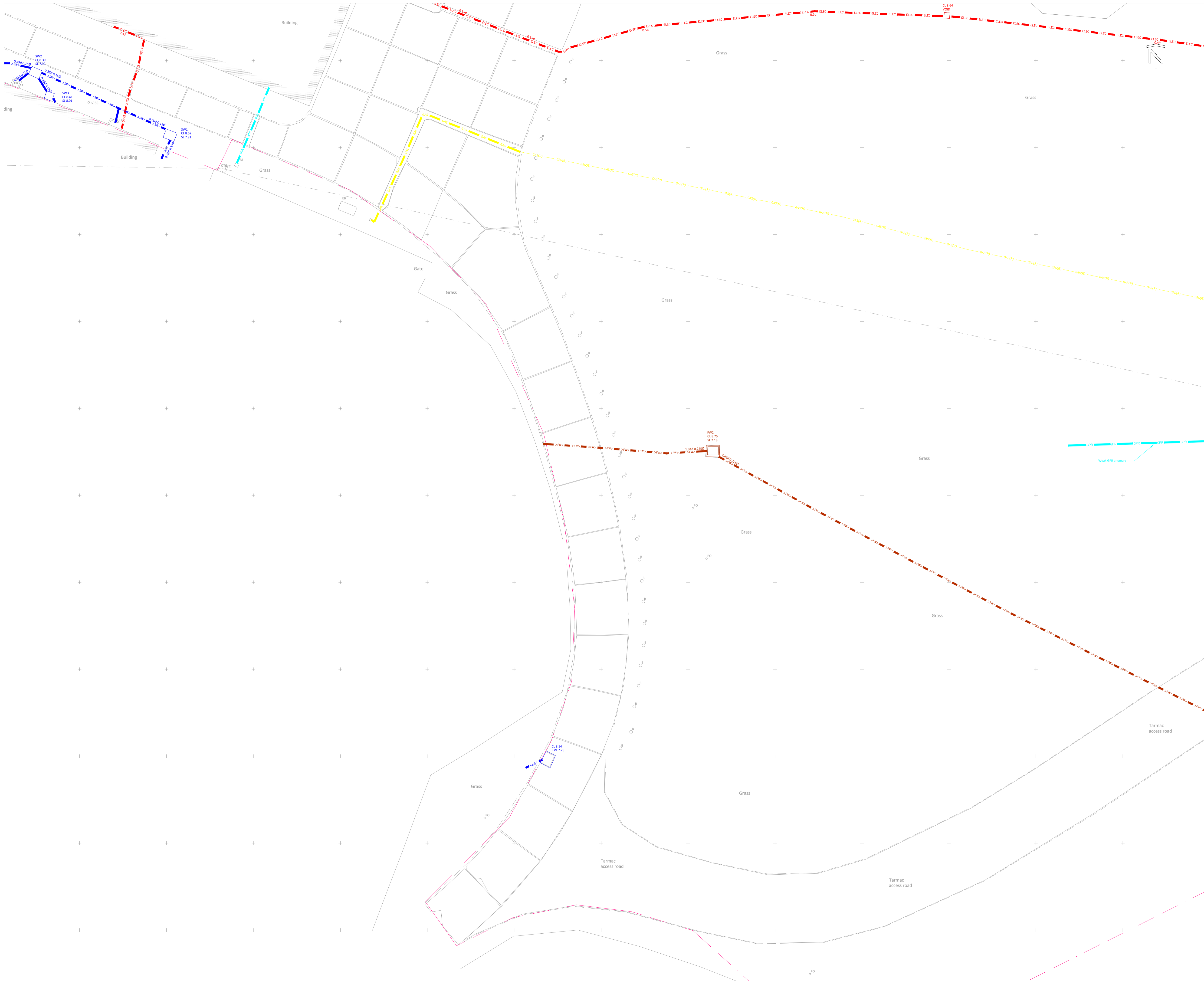
Thames Young Mariners

SITE/LIMITS

Topographic Survey showing Services
Sheet 3 of 5

SURVEYED BY: AP Land Surveys		Ref: APLS-1407
SURVEY DATE: AUGUST 2023		
SCALE: 1:100@A1	DRN: AMP	CHKD: AJP
DATUM: ODN (OSTN15)	DATE: AUG 23	DATE: AUG 23
GRID: NATIONAL (OSTN15)	DRAWING NO. APLS-1407-008	REV: -





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SWR	Storm Water
MET	Metallic
COM	Telecom
DUCT	Empty Duct
CHMS	Mercury Comms
FOPT	Fibre Optics
VGIN	Virgin Media
CATV	Cable TV
LV	Low Voltage
HV	11kV High Voltage
33kV	33kV High Voltage
FRW	Foul Water Records
ELEC(R)	Electricity Records
GAS(R)	Gas Records
SWR(R)	Storm Water Records
WTR(R)	Water Records
UNK	Unknown Service
COMS	Comms Records
GPR	Strong Radar Target
GPR	Weak Radar Target
1.4d	Depth to top of service detected
[Hatched]	GPR Detected Anomaly
[Hatched]	GPR Detected Reinforcing
[Hatched]	Extents of Trenched Ducting
[Dashed]	Scan Area
[Dashed]	Unable to Scan Area

SURVEY LEGEND

AB	AB BRICK	FH	FIRE HYDRANT	PFWF	POST & WIRE FENCE
AV	AIR VALVE	FHM	FIRE HYDRANT MARKER	RE	ROCKING EYE
BL	BELAND	FL	FLOOR LEVEL	RE	RIDGE LEVEL
BB	BELSHIR BEACON	FP	FENCE POST	RL	ROAD SIGN
BDV	BONDING	FWM	FUUL WATER MANHOLE	RTW	RETAINING WALL
BH	BORDERLINE	G	GULLY	RWP	RAKAWATER PIPE
BL	BEL LEVEL	GL	GROUND LEVEL	SC	STOP COLE
BK	BROCKWOK	GP	GATE POST	SDP	STAND PIPE
BL	BEL STOP	GM	GAS METER	SD	SOIL DRAIN
BM	BENCH MARK	GV	GAS VALVE	SL	SHRIT LEVEL
BW	BRICK WALL	HW	HEAD WALL	SMH	SURFACE WATER MANHOLE
BWF	BURIED WIRE FENCE	IC	INSPECTION CHAMBER	SMP	SHRIT METAL PILING
CBF	CLOSE BOARDED FENCE	IL	INVERT LEVEL	SP	SIGN POST
CF	CORRUGATED IRON FENCE	IP	INTERLOCKING FENCE	STN	STONE
CL	COVER LEVEL	IWF	INTEROVEN FENCE	SV	SURICE VALVE
CL	CHAIN LINK FENCE	J	JUNCTION	SWP	SOIL TEST PIPE
CCNC	CONCRETE	KG	KEEB INLET GULLY	SWF	SHEEP WIRE FENCE
COPE	CORNING LEVEL	LB	LEFT BANK	TBM	TEMPORARY BENCH MARK
CPH	CHESTNUT PALING FENCE	LB	LEFT BANK	TBMT	TELEPHONE CALL BOX/POST
CV	CHUTE	LP	LAMP POST	TMH	TELECOM MANHOLE
CU	CULVERT	LP	LAMP POST	TMH	TELECOM MANHOLE
CU	CULVERT	MP	MISCELLANEOUS FENCING	TL	TRAFFIC LIGHT
DL	DECK LEVEL	MK	MARKER	TLB	TRAFFIC LIGHT BOX
DN	DRAIN	MP	MEASURING PILE	TS	TRUSSOR PILE
DPC	DAMP PROOF COURSE	MRF	METAL RAILING FENCE	TR5	TRUSSOR RAILING STRIP
DR	DRAIN	MS	MILE STONE	TS	TREE STUMP
DWB	DOG WASTE BIN	NB	NOTICE BOARD	TSR	TUBULAR STEEL RAILINGS
EA	ENVIRONMENTAL AGENCY	NBA	NATIONAL BUREAU AUTHORITY	VP	VERT PIPE
EB	ELECTRICITY BOX	OHC	OVERHEAD CABLE	WB	WASTE BIN
ECP	ELECTRIC CABLE FENCE	OS	ORANGE SURVEY	WBL	WATER BUTT/WATER LINE
ECF	ELECTRICITY CABLE PIT	OSR	ORANGE SURVEY	WBI	WATER BUTT
ED	EARTHING ROD	PA	PARKING	WBF	WATER BUTT FENCE
EL	ELECTRICITY PILE	PA	PARKING	WPF	WOODEN POST
ER	EARTHING ROD	PA	PARKING	WPR	WOODEN POST & RAIL FENCE
EEL	ELECTRICITY TRANSMISSION LINE	PD	POST	WV	WATER WALE
FB	FLOWER BED	PF	POST & RAIL FENCE	YG	YARD GULLY
FBR	FOOTBRIDGE	PTM	PARKING TICKET MACHINE		



PROJECT/WATERCOURSE
Thames Young Mariners

SITE/LIMITS
**Topographic Survey showing Services
Sheet 4 of 5**

SURVEYED BY: AP Land Surveys Ref: APLS-1407

SURVEY DATE: AUGUST 2023

SCALE: 1:100@A1	DRN: AMP	CHKD: AJP
DATUM: ODN (OSTN15)	DATE: AUG 23	DATE: AUG 23
GRID: NATIONAL (OSTN15)	DRAWING NO. APLS-1407-009	REV: -

