

TOPOGRAPHICAL SURVEY LEGEND

GENERAL

AV	AIR VALVE	LH	LAMP HOLE
BB	BOLISHA BEACON	LP	LAMP POST
By	BOUNDARY	MK	MARKER POST
BH	BORSHOLE	MS	MILE STONE
BL	BED LEVEL	NB	NOTICE BOARD
BO	BOLLARD	NP	NAME PLATE
BS	BUS STOP	OSBM	ORDNANCE SURVEY BENCH MARK
BKW	BRICK WALL	OH	OVERHEAD
CATV	CABLE TELEVISION	PE	PENSTOCK
CG	CATTLE GRID	PM	PARKING METER
CH	CHANNEL LEVEL	PO	POST
Conc	CONCRETE	RB	RUBBISH BIN
Corr	CORRUGATED	RS	ROAD SIGN
CO	COPING LEVEL	RTW	RETAINING WALL
CPS	CONC. PAVING SLABS	RWP	RAIN WATER PIPE
CR	CROWN LEVEL	SAP	SAP
CUL	CULVERT	SC	STOP COCK
DK	DROP KERB	SL	SOFT LEVEL
DP	DOWN PIPE	SVP	SOIL VENT PIPE
EB	ELECTRICITY BOX	SP	SIGN POST
EC	ELECTRICITY CABLE	STN	SURVEY STATION
EMKH	ELECTRICITY MANHOLE	SV	STOP VALVE
EP	ELECTRICITY POLE	SW	SURFACE WATER
EPY	ELECTRICITY Pylon	TB	TREE BOLE
ER	EARTHING ROD	TBM	TEMPORARY BENCH MARK
FH	FIRE HYDRANT	TGB	TELEPHONE CALL BOX
FLR	FLOOR LEVEL	TH	THRESHOLD
FM	FLOW METER	TL	TRAFFIC LIGHT
FB	FLOWER BED	TMH	TELEPHONE MANHOLE
FW	FOUL WATER	TOW	TOP OF WALL
GL	GROUND LEVEL	TP	TELEGRAPH POLE
GP	GATE POST	TS	TREE STUMP
GV	GAS VALVE	UG	UNDERGROUND
H	HIGH	VA	VALVE
HO	HOLE	VP	VENT PIPE
HW	HEADWALL	W	WIDE
IC	INSPECTION COVER	WL	WATER LEVEL
JB	JUNCTION BOX	WM	WATER METER
KL	KEEP LEFT ROAD SIGN	WO	WASH OUT
LB	LETTER BOX	WP	WOODEN POST
		WV	WATER VALVE

FENCE TYPES

BWF	BARBED WIRE FENCE	IWF	FENCE INTERWOVEN
CBF	CLOSE BOARDED FENCE	LF	FENCE LARCH LAP
CLF	CHAINLINK FENCE	PAL	FENCE PALISADE FENCE
CPF	CHESTNUT PALING	PRF	POST & RAIL FENCE
CHF	FENCE CHICKEN WIRE	PWF	POST & WIRE FENCE
IRF	FENCE IRON RAILING	TR	TRELLIS

TREE TYPES

AA	ACACIA	ED	ELDER	OR	ORNAMENTAL
AH	ASH	EM	ELM	PE	PINE
AL	ALDER	FR	FIR	PEL	POLLARDED
AN	ASPEN	HB	HORNBEAM	PR	POPLAR
AP	APPLE	HC	HORSE CHESTNUT	SB	SILVER BIRCH
BH	BEECH	HN	HAWTHORN	SC	SWEET CHESTNUT
BL	BLACKTHORN	HY	HOLLY	SU	SPRUCE
BR	BIRCH	HZ	HAZEL	SY	SYCAMORE
CE	CHERRY	LA	LARCH	WB	WHITEBAM
CO	CONIFER	LE	LIME	WT	WALNUT
CR	CEDAR	LN	LONDON PLANE	WW	WILLOW
CY	CYPRESS	ME	MAPLE	YW	YEW
DD	DEAD	OK	OAK	XX	UNKNOWN

SERVICE ABBREVIATIONS

AC	ASSUMED CONNECTION	IL	INVERT LEVEL
AR	ASSUMED ROUTE	KIG	KERB INLET GULLY
BD	BACK DROP	MH	MANHOLE
CC	CONFIRMED CONNECTION	OHL	OVER HEAD LINE
CD	CHAMBER DEPTH	PI	PETROL INTERCEPTOR
CDW	CABLE ON WALL	FRD	FROM RECORD DRAWINGS
CL	COVER LEVEL	RE	RODDING EYE
CP	CATCH PIT	SK	SOAKAWAY
CB	CABLE RISER	TPT	TRACE POINT
DTB	DEPTH TO BASE	UNK	UNKNOWN SERVICE
D	DEPTH	UTL	UNABLE TO LOCATE
(66)	DISBURSED	UTR	UNABLE TO RAISE
EOT	END OF TRACE	UTT	UNABLE TO TRACE
GU	GULLY	UTS	UNABLE TO SURVEY

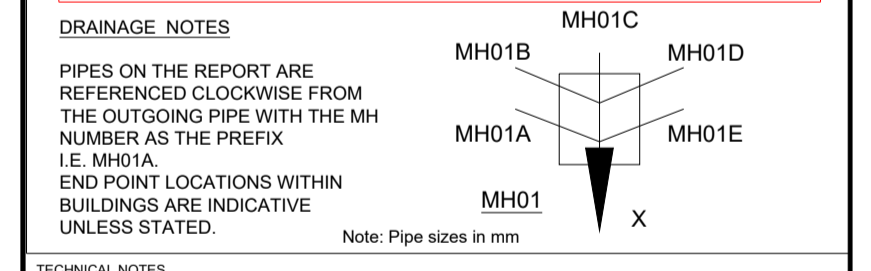
UTILITY LEGEND AND NOTES

UTILITY DEPTHS SERVICES ARE DRAWN IN 3D WITH THE LEVEL CORRESPONDING TO THE CENTRE OF THE UTILITY AND FEATURES DETECTED BY GPR WHERE THE LEVEL IS THAT OF THE TOP OF THE UTILITY AND SONDE TRACING DEPTHS WHERE THE DEPTH IS RELEVANT TO THE POSITION OF THE TRACING SONDE SITTING WITHIN THE PIPE.

THESE ARE DENOTED BY SPECIFIC LAYERS OR LINETYPES SHOWN IN THE LEGEND OR BY SPECIFIC LABELLING OF THE DRAWING.

CONFIDENCE RATING CONFIDENCE RATINGS FOR UTILITIES TRACED ARE IDENTIFIED AS LAID OUT IN SECTION 5 OF THE PAS 128:2022 SPECIFICATION FOR UNDERGROUND UTILITY DETECTION, VERIFICATION AND LOCATION. THEY ARE SHOWN WITHIN THE LINETYPE AS A SUFFIX (SEE EXAMPLE BELOW)

CAUTIONARY NOTES
ELECTRO-DETECTION TECHNIQUES HAVE BEEN USED IN THE LOCATION OF UNDERGROUND SERVICES. THE RESULTS ARE NOT INFALLIBLE AND TRIAL EXCAVATIONS MUST BE CARRIED OUT TO CONFIRM SERVICE IDENTIFICATION, POSITIONS AND PARTICULARLY DEPTHS. ALTHOUGH ALL REASONABLE EFFORT HAS BEEN MADE IN SEARCHING AVAILABLE RECORD DRAWINGS, THE COMPLETENESS OF THE UNDERGROUND SERVICE INFORMATION CANNOT BE GUARANTEED. INFORMATION OBTAINED BY GPR IS INDICATIVE OF BURIED INFRASTRUCTURE THAT MAY NOT BE DETECTABLE BY OTHER MEANS.



TECHNICAL NOTES

ALL LEVELS ARE BASED ON ORDNANCE SURVEY DATUM OBTAINED FROM ACTIVE GPS NETWORK 'OSGB3615'

A SCALE FACTOR OF 1.000000 HAS BEEN APPLIED TO THIS DRAWING

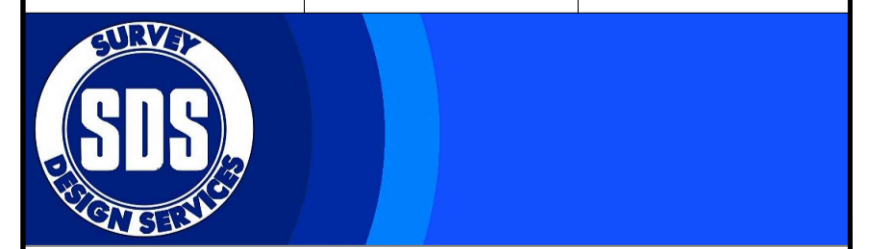
GRID IS BASED ON OS DATUM OBTAINED FROM ACTIVE GPS NETWORK 'OSGB3615'

ALL KERB LEVELS ARE TAKEN IN CHANNEL

STATION COORDINATE TABLE

Name	-E/X-	-N/Y-	-H/Z-	Description
1704MP01	624803.357	138580.853	158.203	PEG
1704MP02	624808.915	138587.326	157.512	PKNAIL
1704MP03	624809.893	138597.657	157.501	PKNAIL
1704MP04	624799.953	138601.148	157.731	PEG
1704MP05	624782.929	138597.843	158.478	PEG
1704MP06	624795.984	138584.130	158.208	PKNAIL
1704MP101	624509.766	138764.209	156.446	PEG
1704MP102	624541.521	138724.748	159.199	PEG
1704MP103	624540.544	138693.168	162.737	PEG
1704MP104	624520.342	138705.666	161.913	PEG

Rev.	Date	Description	By



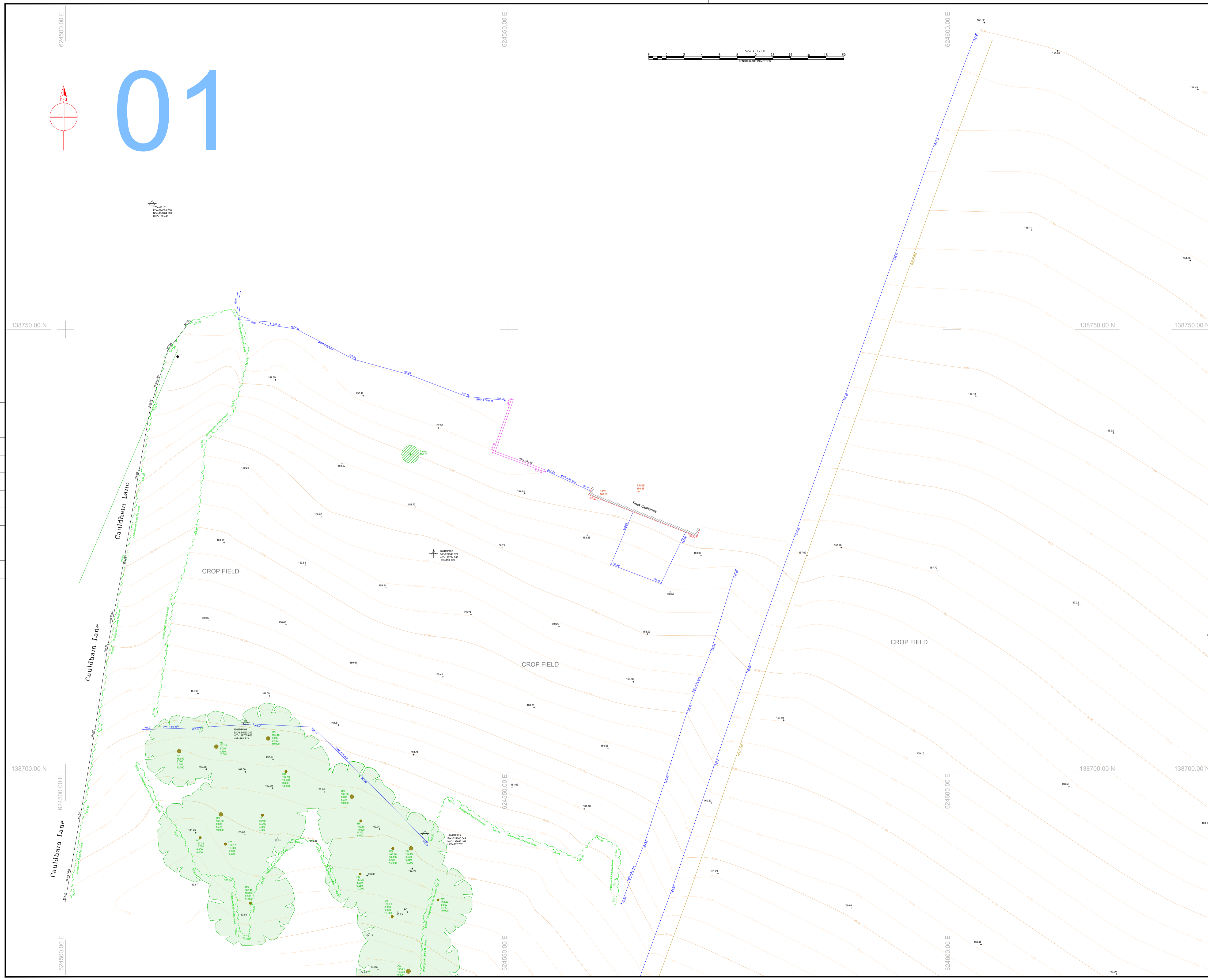
Project title
**CAULDHAM LANE
CAPEL LE FERNE, CT18 7HG**

Drawing title
**SHEET
LAYOUT**

Client
QUINN ESTATES

Drawing No.	SDS 208912.00	Revision	—	
NTS	Date	MAY 2023	Sheet size	A1

01



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KL	KEEP LEFT ROAD SIGN	WO	WASH OUT
LB	LETTER BOX	WP	WOODEN POST
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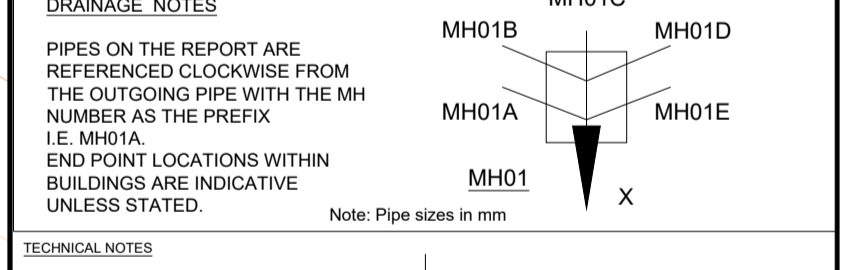
FENCE TYPES			
BWF	BARBED WIRE FENCE	IWF	FENCE INTERWOVEN
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CLF	CHAINLINK FENCE	PAL	FENCE PALISADE FENCE
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TREE TYPES					
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AH	ASH	EM	ELM	PE	PINE
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EOT	END OF TRACE	UTT	UNABLE TO TRACE
GU	GULLY	UTS	UNABLE TO SURVEY

UTILITY LEGEND AND NOTES			
FOUL WATER DRAINAGE	—	WATER	—
SURFACE WATER DRAINAGE	—	GAS	—
ELECTRICITY	—	ELECTRICITY OVERHEAD	—
TELEPHONE	—	UNKNOWN SERVICE DETECTED BY EML	—
UNKNOWN SERVICE DETECTED BY GPR	—	CATV	—
UNKNOWN LINEAR FEATURE DETECTED BY GPR	—	FIBRE OPTIC	—
UNDERGROUND CHAMBER	—	GROUND PENETRATING RADAR (DEPTH)	—

CAUTIONARY NOTES
ELECTRO-DETECTION TECHNIQUES HAVE BEEN USED IN THE LOCATION OF UNDERGROUND SERVICES. THE RESULTS ARE NOT INFALLIBLE AND TRIAL EXCAVATIONS MUST BE CARRIED OUT TO CONFIRM SERVICE IDENTIFICATION, POSITIONS AND PARTICULARLY DEPTHS. ALTHOUGH ALL REASONABLE EFFORT HAS BEEN MADE IN SEARCHING AVAILABLE RECORD DRAWINGS, THE COMPLETENESS OF THE UNDERGROUND SERVICE INFORMATION CANNOT BE GUARANTEED. INFORMATION OBTAINED BY GPR IS INDICATIVE OF BURIED INFRASTRUCTURE THAT MAY NOT BE DETECTABLE BY OTHER MEANS.



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A SCALE FACTOR OF 1.000000 HAS BEEN APPLIED TO THIS DRAWING.
GPR IS BASED ON GSD DATUM OBTAINED FROM ACTIVE GPS NETWORK 'OSGB3615'.
ALL KERB LEVELS ARE TAKEN IN CHANNEL.

Rev.	Date	Description	By

Drawn by: **MP** Surveyed by: **MP** Checked by: **SDS**

Project title: **CAULDHAM LANE
CAPEL LE FERNE, CT18 7HG**

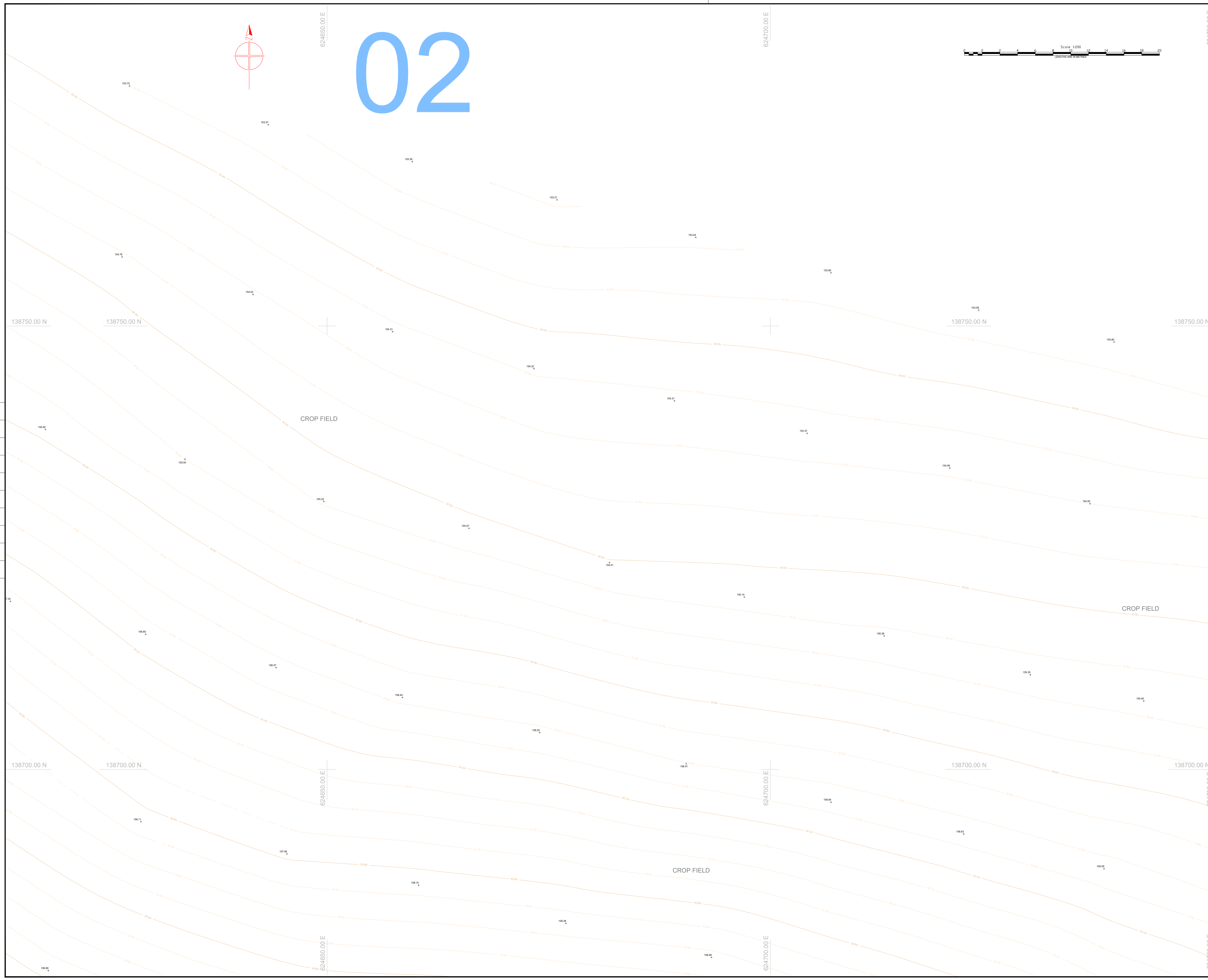
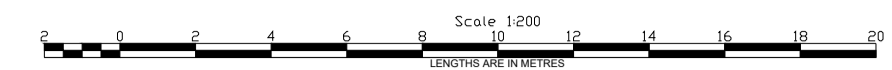
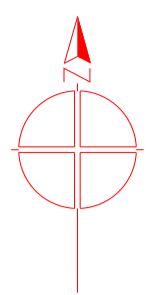
Drawing title: **TOPOGRAPHICAL
SURVEY**

Client: **QUINN ESTATES**

Drawing No: **SDS 208912.01** Revision: **—**

Scale 1:200 @ A1 Date: **MAY 2023** Sheet size: **A1**

02



TOPOGRAPHICAL SURVEY LEGEND			
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AV	AIR VALVE	LH	LAMP HOLE
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KL	KEEP LEFT ROAD SIGN	WO	WASH OUT
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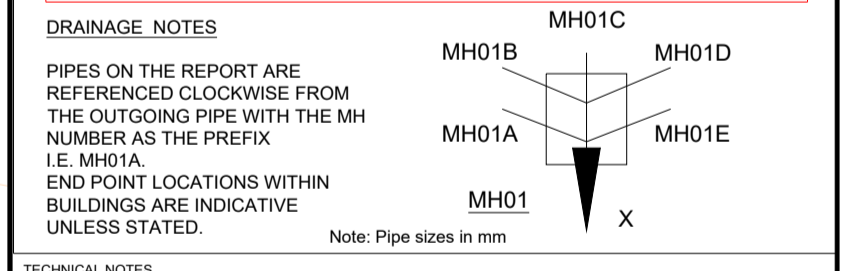
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TREE TYPES			
AA	ACACIA	ED	ELDER
AH	ASH	EM	ELM
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BH	BEECH	HN	HAWTHORN
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BR	BIRCH	HZ	HAZEL
CE	CHERRY	LA	LARCH
CO	CONIFER	LE	LIME
CR	CEDAR	LN	LONDON PLANE
CY	CYPRESS	ME	MAPLE
DD	DEAD	OK	OAK
		OR	ORNAMENTAL
		PE	PINE
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		PR	POPLAR
		SB	SILVER BIRCH
		SC	SWEET CHESTNUT
		SU	SPRUCE
		SY	SYCAMORE
		WB	WHITEBEAM
		WT	WALNUT
		WW	WILLOW
		YW	YEW
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UTILITY LEGEND AND NOTES		UTILITY DEPTHS	
FOUL WATER DRAINAGE	— (Blue line)	SERVICES ARE DRAWN IN 3D WITH THE LEVEL CORRESPONDING TO THE CENTRE OF THE UTILITY	
SURFACE WATER DRAINAGE	— (Green line)	EXCEPTIONS TO THIS ARE SERVICES AND FEATURES DETECTED BY GPR WHERE THE LEVEL IS THAT OF THE TOP OF THE UTILITY AND SONDE TRACING	
WATER	— (Red line)	DEPTHS WHERE THE DEPTH IS RELEVANT TO THE POSITION OF THE TRACING SONDE SITTING WITHIN THE PIPE	
GAS	— (Yellow line)	THESE ARE DENOTED BY SPECIFIC LAYERS OR LINETYPES SHOWN IN THE LEGEND OR BY SPECIFIC LABELLING OF THE DRAWING.	
ELECTRICITY	— (Purple line)		
ELECTRICITY OVERHEAD	— (Orange line)		
TELEPHONE	— (Light blue line)		
UNKNOWN SERVICE DETECTED BY EML	— (Pink line)		
UNKNOWN SERVICE DETECTED BY GPR	— (Light green line)		
CATV	— (Light purple line)		
UNKNOWN LINEAR FEATURE DETECTED BY GPR	— (Light yellow line)		
FIBRE OPTIC	— (Light orange line)		
UNDERGROUND CHAMBER	— (Light blue line)		
GPR (0.00) GROUND PENETRATING RADAR (DEPTH)	— (Light green line)		

CAUTIONARY NOTES
ELECTRO-DETECTION TECHNIQUES HAVE BEEN USED IN THE LOCATION OF UNDERGROUND SERVICES. THE RESULTS ARE NOT INFALLIBLE AND TRIAL EXCAVATIONS MUST BE CARRIED OUT TO CONFIRM SERVICE IDENTIFICATION. POSITIONS AND PARTICULARLY DEPTHS, ALTHOUGH ALL REASONABLE EFFORT HAS BEEN MADE IN SEARCHING AVAILABLE RECORD DRAWINGS, THE COMPLETENESS OF THE UNDERGROUND SERVICE INFORMATION CANNOT BE GUARANTEED. INFORMATION OBTAINED BY GPR IS INDICATIVE OF BURIED INFRASTRUCTURE THAT MAY NOT BE DETECTABLE BY OTHER MEANS.



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Rev.	Date	Description	By

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Project title: **CAULDHAM LANE
CAPEL LE FERNE, CT18 7HG**

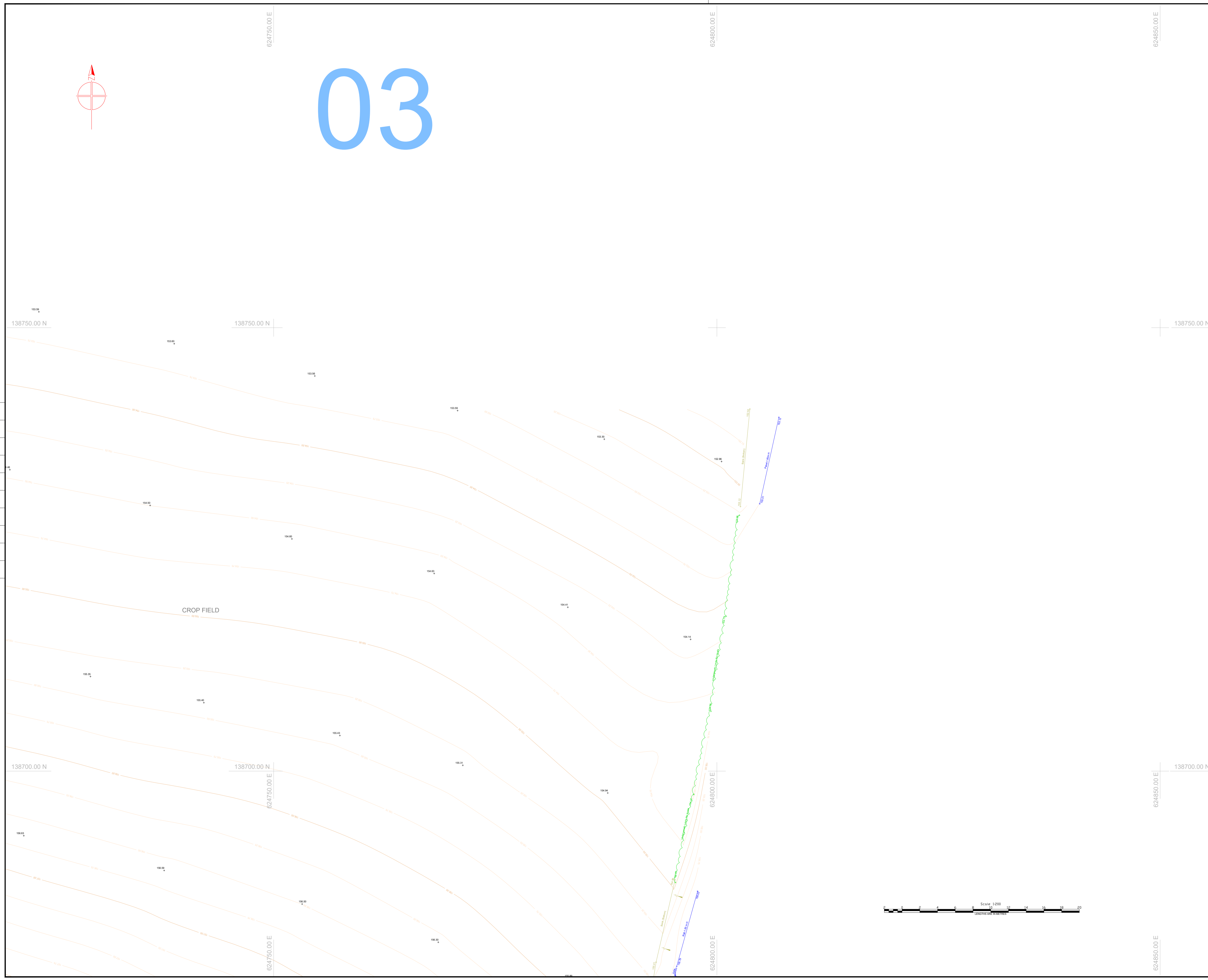
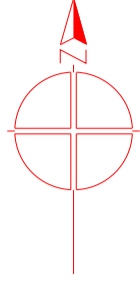
Drawing title: **TOPOGRAPHICAL
SURVEY**

Client: **QUINN ESTATES**

Drawing No: **SDS 208912.02** Revision: **—**

Scale 1:200 @ A1 Date **MAY 2023** Sheet size **A1**

03



TOPOGRAPHICAL SURVEY LEGEND

GENERAL

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TREE TYPES

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AL	ALDER	FR	FIR	PEL	POLLARDED
AN	ASPEN	HB	HORNBEAM	PR	POPLAR
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BL	BLACKTHORN	HY	HOLLY	SU	SPRUCE
BR	BIRCH	HZ	HAZEL	SY	SYCAMORE
CE	CHERRY	LA	LARCH	WB	WHITEBIRCH
CO	CONIFER	LE	LIME	WT	WALNUT
CR	CEDAR	LN	LONDON PLANE	WW	WILLOW
CY	CYPRESS	ME	MAPLE	YD	YEW
DD	DEAD	OK	OAK	XX	UNKNOWN

SERVICE ABBREVIATIONS

AC	ASSUMED CONNECTION	IL	INVERT LEVEL
AR	ASSUMED ROUTE	KIG	KERB INLET GULLY
BD	BACK DROP	MH	MANHOLE
CC	CONFIRMED CONNECTION	OHL	OVER HEAD LINE
CD	CHAMBER DEPTH	PI	PETROL INTERCEPTOR
COW	CABLE ON WALL	RD	FROM RECORD DRAWINGS
CL	COVER LEVEL	RE	RODDING EYE
CP	CATCH PIT	SK	SOAKAWAY
CB	CABLE RISER	TPT	TRACED POINT
DTB	DEPTH TO BASE	UNK	UNKNOWN SERVICE
D	DEPTH	UTL	UNABLE TO LOCATE
(66)	DISBURSED	UTR	UNABLE TO RAISE
EOT	END OF TRACE	UTT	UNABLE TO TRACE
GU	GULLY	UTS	UNABLE TO SURVEY

UTILITY LEGEND AND NOTES

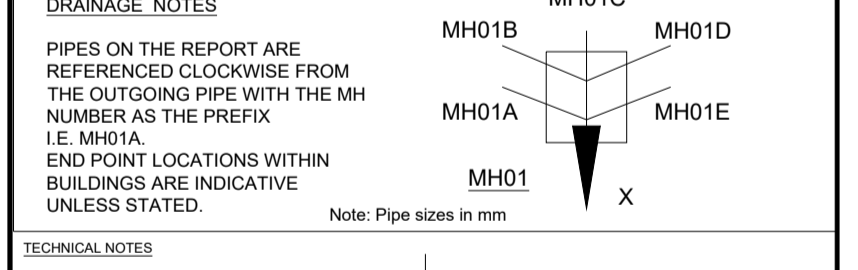
UTILITIES ARE DRAWN IN 3D WITH THE LEVEL CORRESPONDING TO THE CENTRE OF THE UTILITY. EXCEPTIONS TO THIS ARE SERVICES AND FEATURES DETECTED BY GPR WHERE THE LEVEL IS THAT OF THE TOP OF THE UTILITY AND SONDE TRACING DEPTHS WHERE THE DEPTH IS RELEVANT TO THE POSITION OF THE TRACING SONDE SITTING WITHIN THE PIPE.

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CONFIDENCE RATING FOR UTILITIES TRACED ARE IDENTIFIED AS LAID OUT IN SECTION 5 OF THE PAS 128:2022 SPECIFICATION FOR UNDERGROUND UTILITY DETECTION VERIFICATION AND LOCATION. THEY ARE SHOWN WITHIN THE LINETYPE AS A SUFFIX (SEE EXAMPLE BELOW)

CAUTIONARY NOTES

ELECTRO-DETECTION TECHNIQUES HAVE BEEN USED IN THE LOCATION OF UNDERGROUND SERVICES. THE RESULTS ARE NOT INFALLIBLE AND TRIAL EXCAVATIONS MUST BE CARRIED OUT TO CONFIRM SERVICE IDENTIFICATION, POSITIONS AND PARTICULARLY DEPTHS. ALTHOUGH ALL REASONABLE EFFORT HAS BEEN MADE IN SEARCHING AVAILABLE RECORD DRAWINGS, THE COMPLETENESS OF THE UNDERGROUND SERVICE INFORMATION CANNOT BE GUARANTEED. INFORMATION OBTAINED BY GPR IS INDICATIVE OF BURIED INFRASTRUCTURE THAT MAY NOT BE DETECTABLE BY OTHER MEANS.



TECHNICAL NOTES

ALL LEVELS ARE BASED ON ORDNANCE SURVEY DATUM OBTAINED FROM ACTIVE GPS NETWORK 'OSGB36(15)'

A SCALE FACTOR OF 1.000000 HAS BEEN APPLIED TO THIS DRAWING

GRID IS BASED ON OS DATUM OBTAINED FROM ACTIVE GPS NETWORK 'OSGB36(15)'

ALL KERB LEVELS ARE TAKEN IN CHANNEL

Rev.	Date	Description	By

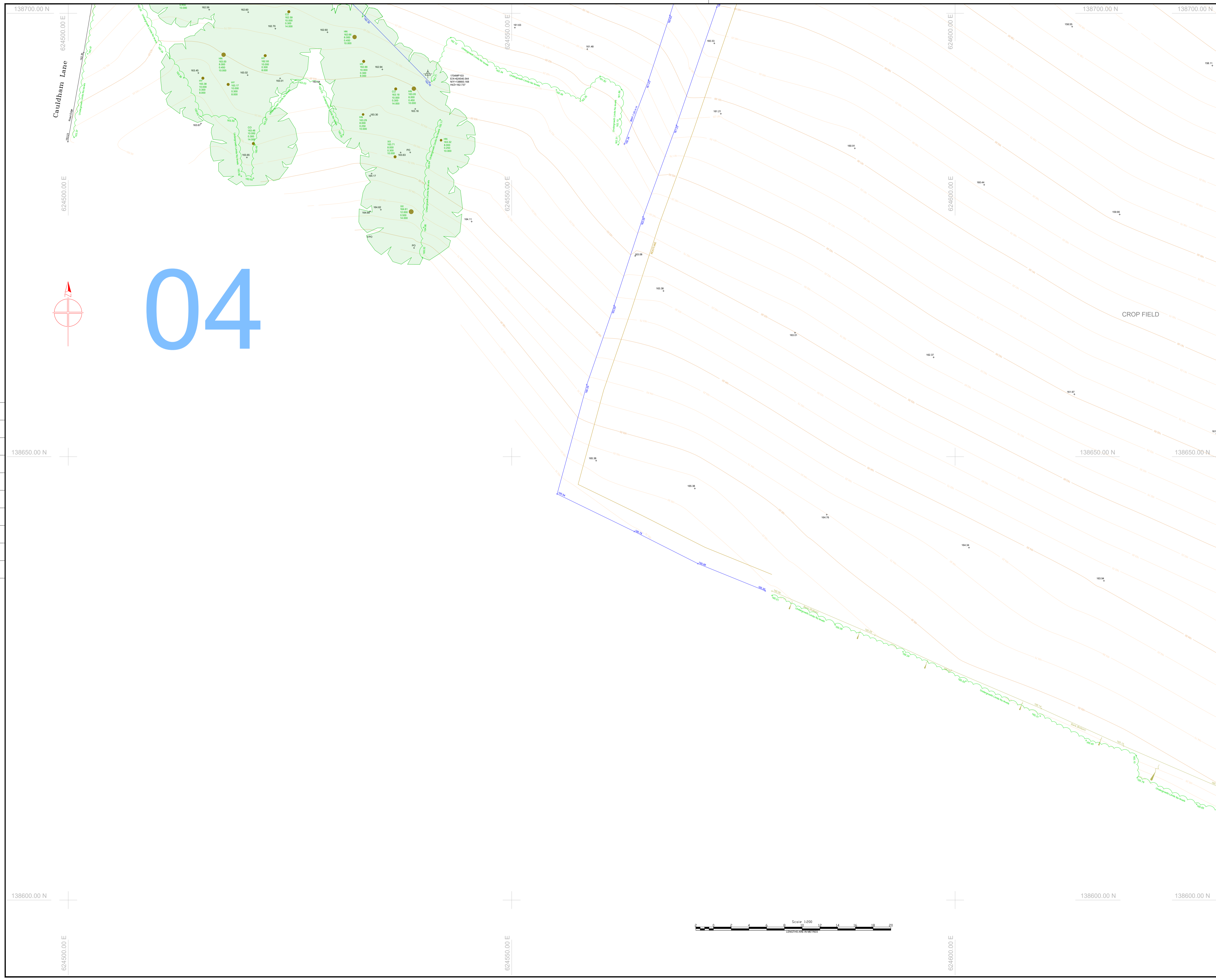
Drawn by: **MP** Surveyed by: **MP** Checked by: **SDS**

Project title: **CAULDHAM LANE CAPEL LE FERNE, CT18 7HG**

Drawing title: **TOPOGRAPHICAL SURVEY**

Client: **QUINN ESTATES**

Drawing No: SDS 208912.03	Revision: —
Scale 1:200 @ A1	Date: MAY 2023 Sheet size: A1



04

TOPOGRAPHICAL SURVEY LEGEND

GENERAL

AV	AIR VALVE	LH	LAMP HOLE
BB	BOLISHA BEACON	LP	LAMP POST
Bdy	BOUNDARY	MK	MARKER POST
BH	BORSHOLE	MS	MILE STONE
BL	BED LEVEL	NB	NOTICE BOARD
BO	BOLLARD	NP	NAME PLATE
BS	BUS STOP	OSBM	ORDNANCE SURVEY BENCH MARK
BKW	BRICK WALL	OH	OVERHEAD
CATV	CABLE TELEVISION	PE	PENSTOCK
CC	CABLE GRID	PM	PARKING METER
CH	CHANNEL LEVEL	PO	POST
Conc	CONCRETE	RB	RUBBISH BIN
Corc	CORRUGATED	RS	ROAD SIGN
CO	COPING LEVEL	RTW	RETAINING WALL
CPS	CONC. PAVING SLABS	RWP	RAIN WATER PIPE
CR	CROWN LEVEL	SAP	SALVING
CUL	CULVERT	SC	STOP COCK
DK	DROP KERB	SL	SOFT LEVEL
DP	DOWN PIPE	SVP	SOIL VENT PIPE
EB	ELECTRICITY BOX	SP	SIGN POST
EC	ELECTRICITY CABLE	STN	SURVEY STATION
EMKH	ELECTRICITY MANHOLE	SV	STOP VALVE
EP	ELECTRICITY POLE	SW	SURFACE WATER
EPY	ELECTRICITY Pylon	TB	TREE BOLE
ER	EARTHING ROD	TBM	TEMPORARY BENCH MARK
FH	FIRE HYDRANT	TCB	TELEPHONE CALL BOX
FLR	FLOOR LEVEL	TH	THRESHOLD
FM	FLOW METER	TL	TRAFFIC LIGHT
FB	FLOWER BED	TMH	TELEPHONE MANHOLE
FW	FOUL WATER	TOW	TOP OF WALL
GL	GROUND LEVEL	TP	TELEGRAPH POLE
GP	GATE POST	TS	TREE STUMP
GV	GAS VALVE	UG	UNDERGROUND
H	HIGH	VA	VALVE
HO	HOLE	VP	VENT PIPE
HW	HEADWALL	W	WIDE
IC	INSPECTION COVER	WL	WATER LEVEL
JB	JUNCTION BOX	WM	WATER METER
KL	KEEP LEFT ROAD SIGN	WO	WASH OUT
LB	LETTER BOX	WP	WOODEN POST
		WV	WATER VALVE

FENCE TYPES

BWF	BARBED WIRE FENCE	IWF	FENCE INTERWOVEN
CBF	CLOSE BOARDED FENCE	LF	FENCE LARCH LAP
CLF	CHAINLINK FENCE	PAL	FENCE PALISADE FENCE
CPF	CHESTNUT PALING	PRF	POST & RAIL FENCE
CWF	FENCE CHICKEN WIRE	PWF	POST & WIRE FENCE
IRF	FENCE IRON RAILING	TR	TRELLIS

TREE TYPES

AA	ACACIA	ED	ELDER	OR	ORNAMENTAL
AH	ASH	EM	ELM	PE	PINE
AL	ALDER	FR	FIR	PEL	POLLARDED
AN	ASPEN	HB	HORNBEAM	PR	POPLAR
AP	APPLE	HC	HORSE CHESTNUT	SB	SILVER BIRCH
BH	BEECH	HN	HAWTHORN	SC	SCOTCH CHESTNUT
BL	BLACKTHORN	HY	HOLLY	SU	SPRUCE
BR	BIRCH	HZ	HAZEL	SY	SYCAMORE
CE	CHERRY	LA	LARCH	WB	WHITEBERAM
CO	CONIFER	LE	LIME	WT	WALNUT
CR	CEDAR	LN	LONDON PLANE	WW	WILLOW
CY	CYPRESS	ME	MAPLE	YW	YEW
DD	DEAD	OK	OAK	XX	UNKNOWN

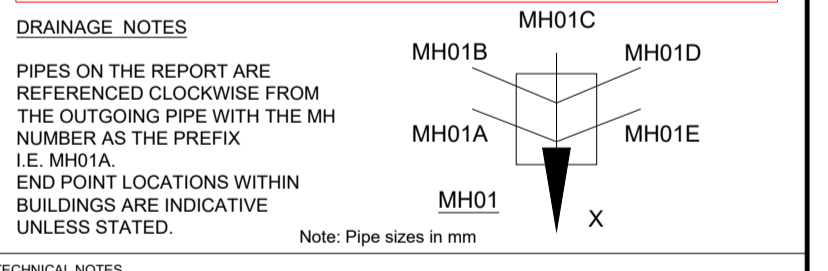
SERVICE ABBREVIATIONS

AC	ASSUMED CONNECTION	IL	INVERT LEVEL
AR	ASSUMED ROUTE	KIG	KERB INLET GULLY
BD	BACK DROP	MH	MANHOLE
CC	CONFIRMED CONNECTION	OHL	OVER HEAD LINE
CD	CHAMBER DEPTH	PI	PETROL INTERCEPTOR
COW	CABLE ON WALL	RD	FROM RECORD DRAWINGS
CL	COVER LEVEL	RE	RODDING EYE
CP	CATCH PIT	SK	SOAKAWAY
CB	CABLE RISER	TPT	TRACED POINT
DTB	DEPTH TO BASE	UNK	UNKNOWN SERVICE
D	DEPTH	UTL	UNABLE TO LOCATE
(66)	DISUSED	UTR	UNABLE TO RAISE
EOT	END OF TRACE	UTT	UNABLE TO TRACE
GU	GULLY	UTS	UNABLE TO SURVEY

UTILITY LEGEND AND NOTES

Foul Water Drainage	— (Red line)	Water Drainage	— (Blue line)
Surface Water Drainage	— (Green line)	Gas	— (Yellow line)
Electricity	— (Black line)	Electricity Overhead	— (Red line)
Telephone	— (Green line)	Unknown Service	— (Purple line)
Unknown Service Detected by GPR	— (Purple line)	Unknown Service Detected by EML	— (Purple line)
Oil	— (Green line)	CATV	— (Green line)
Fibre Optic	— (Green line)	Underground Chamber	— (Green line)
GPR (0.00)	— (Green line)	Ground Penetrating Radar (Depth)	— (Green line)

CAUTIONARY NOTES
ELECTRO-DETECTION TECHNIQUES HAVE BEEN USED IN THE LOCATION OF UNDERGROUND SERVICES. THE RESULTS ARE NOT INFALLIBLE AND TRIAL EXCAVATIONS MUST BE CARRIED OUT TO CONFIRM SERVICE IDENTIFICATION. POSITIONS AND PARTICULARLY DEPTHS, ALTHOUGH ALL REASONABLE EFFORT HAS BEEN MADE IN SEARCHING AVAILABLE RECORD DRAWINGS, THE COMPLETENESS OF THE UNDERGROUND SERVICE INFORMATION CANNOT BE GUARANTEED. INFORMATION OBTAINED BY GPR IS INDICATIVE OF BURIED INFRASTRUCTURE THAT MAY NOT BE DETECTABLE BY OTHER MEANS.



TECHNICAL NOTES
ALL LEVELS ARE BASED ON ORDNANCE SURVEY DATUM OBTAINED FROM ACTIVE GPS NETWORK 'OSGB3615'.
A SCALE FACTOR OF 1.000000 HAS BEEN APPLIED TO THIS DRAWING.
GPR IS BASED ON GSD DATUM OBTAINED FROM ACTIVE GPS NETWORK 'OSGB3615'.
ALL KERB LEVELS ARE TAKEN IN CHANNEL.

Rev.	Date	Description	By

Drawn by: MP Surveyed by: MP Checked by: SDS



Project title: CAULDHAM LANE
CAPEL LE FERNE, CT18 7HG

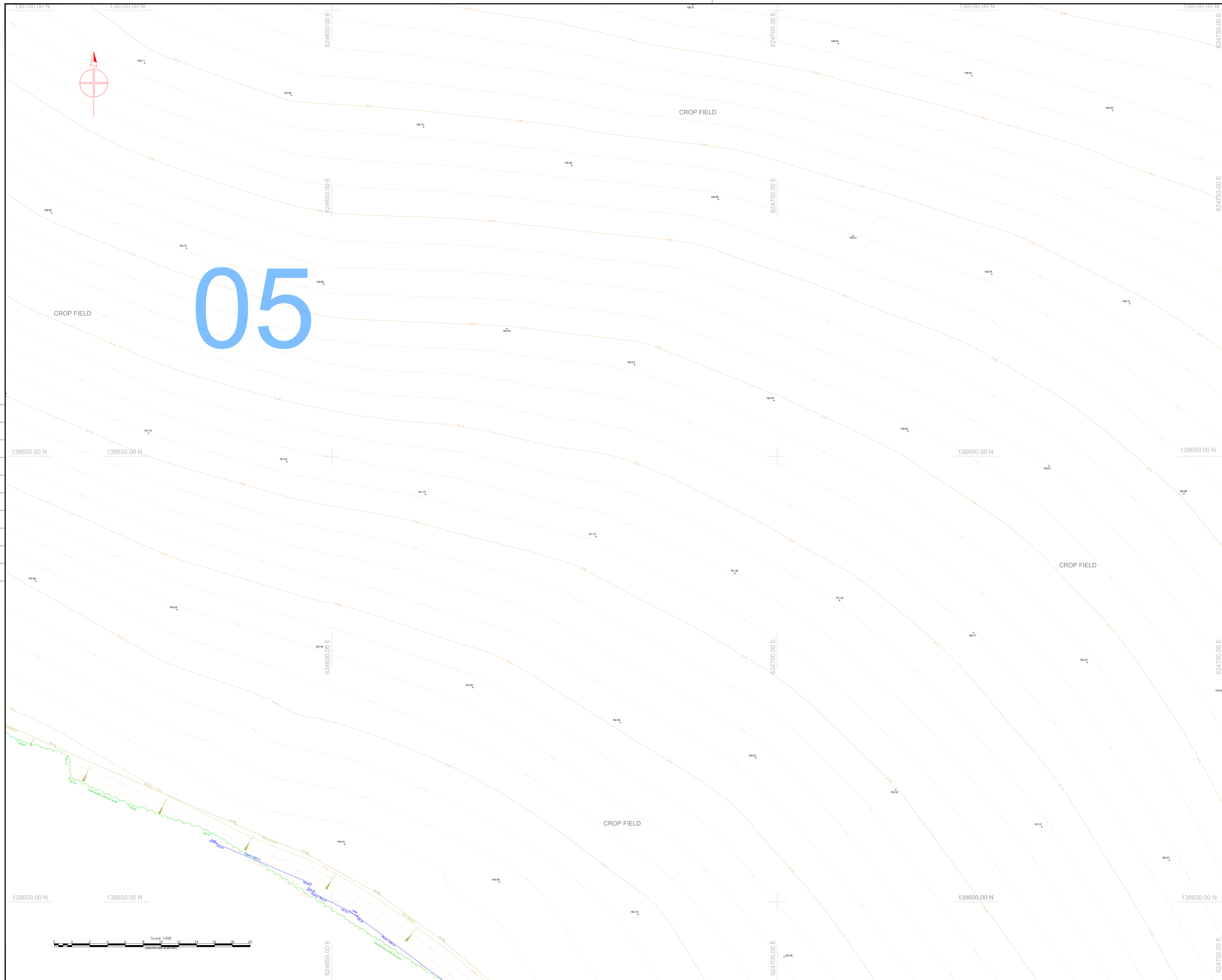
Drawing title: TOPOGRAPHICAL SURVEY

Client: QUINN ESTATES

Drawing No: SDS 208912.04 Revision: —

Scale 1:200 @ A1 Date: MAY 2023 Sheet size: A1





05

TOPOGRAPHICAL SURVEY LEGEND

GENERAL

AV AIR VALVE	LH LAMP HOLE
BB BOUNDARY	LP LAMP POST
Bdy BOUNDARY	MK MARKER POST
BH BOREHOLE	MS MILE STONE
BL BED LEVEL	NB NOTICE BOARD
BO BOLLARD	NP NAME-PLATE
BS BUS STOP	OSBM ORDNANCE SURVEY BENCH MARK
BKW BRICK WALL	OH OVERHEAD
CATV CABLE TELEVISION	PE PENSTOCK
CG CATTLE GRID	PK PARKING METER
CH CHANNEL LEVEL	PO POST
Conc CONCRETE	RB RUBBISH BIN
Corr CORRUGATED	RS ROAD SIGN
CO COPING LEVEL	RTW RETAINING WALL
CPS CONC. PAVING SLABS	RWP RAIN WATER PIPE
CR CROWN LEVEL	SAP SAVING
CUL CULVERT	SC STOP COCK
DK DROP KERB	SL SOFT LEVEL
DP DOWN PIPE	SVP SOIL VENT PIPE
EB ELECTRICITY BOX	SP SIGN POST
EC ELECTRICITY CABLE	STN SURVEY STATION
EMKH ELECTRICITY MANHOLE	SV STOP VALVE
EP ELECTRICITY Pylon	SW SURFACE WATER
ER EARTHING ROD	TB TREE BOLE
FB FIRE BRICK	TBM TEMPORARY BENCH MARK
FLR FLOOR LEVEL	TCTB TELEPHONE CALL BOX
FM FLOW METER	TH THRESHOLD
FB FLOWER BED	TL TRAFFIC LIGHT
FW FOUL WATER	TMH TELEPHONE MANHOLE
GL GROUND LEVEL	TOW TOP OF WALL
GP GATE POST	TP TELEGRAPH POLE
GV GAS VALVE	TS TREE STUMP
H HIGH	UG UNDERGROUND
HO HOLE	VA VALVE
HW HEADWALL	VP VENT PIPE
IC INSPECTION COVER	WL WATER LEVEL
JB JUNCTION BOX	WM WATER METER
KL KEEP LEFT ROAD SIGN	WO WASH OUT
LB LETTER BOX	WP WOODEN POST
	WV WATER VALVE

FENCE TYPES

BWF BARBED WIRE FENCE	IWF FENCE INTERWOVEN
CBF CLOSE BOARDED FENCE	LF FENCE LARCH LAP
CLF CHAINLINK FENCE	PAL FENCE PALISADE FENCE
CPF CHESTNUT PALING	PRF POST & RAIL FENCE
CWF FENCE CHICKEN WIRE	PWF POST & WIRE FENCE
IRF FENCE IRON RAILING	TR TRELLIS

TREE TYPES

AA ACACIA	ED ELDER	OR ORNAMENTAL
AH ASH	EM ELM	PE PINE
AL ALDER	FR FIR	PL POLLARDED
AN ASPEN	HB HORNBEAM	PR POPLAR
AP APPLE	HC HORSE CHESTNUT	SB SILVER BIRCH
BH BEECH	HN HAWTHORN	SC SWEET CHESTNUT
BL BLACKTHORN	HY HOLLY	SU SPRUCE
BR BIRCH	HZ HAZEL	SY SYCAMORE
CE CHERRY	LA LARCH	WB WHITEBERAM
CO CONIFER	LE LIME	WT WALNUT
CR CEDAR	LN LONDON PLANE	WW WILLOW
CY CYPRESS	ME MAPLE	XX UNKNOWN
DEAD	OK OAK	

SERVICE ABBREVIATIONS

AC ASSUMED CONNECTION	IL INVERT LEVEL
AR ASSUMED ROUTE	KIG KERB INLET GULLY
BD BACK DROP	MH MANHOLE
CC CONFIRMED CONNECTION	OHL OVER HEAD LINE
CD CHAMBER DEPTH	PI PETROL INTERCEPTOR
COW CABLE ON WALL	RD FROM RECORD DRAWINGS
CL COVER LEVEL	RE RODDING EYE
CP CATCH PIT	SK SOAKAWAY
CB CABLE RISER	TPT TRACED POINT
DTB DEPTH TO BASE	UNK UNKNOWN SERVICE
D DEPTH	UTL UNABLE TO LOCATE
(60) DISBURSED	UTR UNABLE TO RAISE
EOT END OF TRACE	UTT UNABLE TO TRACE
GU GULLY	UTS UNABLE TO SURVEY

UTILITY LEGEND AND NOTES

UTILITIES ARE DRAWN IN 3D WITH THE LEVEL CORRESPONDING TO THE CENTRE OF THE UTILITY AND FEATURES DETECTED BY GPR WHERE THE LEVEL IS THAT OF THE TOP OF THE UTILITY AND SONDE TRACING DEPTHS WHERE THE DEPTH IS RELEVANT TO THE POSITION OF THE TRACING SONDE SITTING WITHIN THE PIPE.

THESE ARE DENOTED BY SPECIFIC LAYERS OR LINETYPES SHOWN IN THE LEGEND OR BY SPECIFIC LABELLING OF THE DRAWING.

CONFIDENCE RATINGS FOR UTILITIES TRACED ARE IDENTIFIED AS LAID OUT IN SECTION 5 OF THE PAS 128:2022 SPECIFICATION FOR UNDERGROUND UTILITY DETECTION VERIFICATION AND LOCATION. THEY ARE SHOW WITHIN THE LINETYPE AS A SUFFIX (SEE EXAMPLE BELOW)

GPR (0.00) GROUND PENETRATING RADAR (DEPTH)

CAUTIONARY NOTES

ELECTRO-DETECTION TECHNIQUES HAVE BEEN USED IN THE LOCATION OF UNDERGROUND SERVICES. THE RESULTS ARE NOT INFALLIBLE AND TRIAL EXCAVATIONS MUST BE CARRIED OUT TO CONFIRM SERVICE IDENTIFICATION, POSITIONS AND PARTICULARLY DEPTHS. ALTHOUGH ALL REASONABLE EFFORT HAS BEEN MADE IN SEARCHING AVAILABLE RECORD DRAWINGS, THE COMPLETENESS OF THE UNDERGROUND SERVICE INFORMATION CANNOT BE GUARANTEED. INFORMATION OBTAINED BY GPR IS INDICATIVE OF BURIED INFRASTRUCTURE THAT MAY NOT BE DETECTABLE BY OTHER MEANS.

DRAINAGE NOTES

PIPES ON THE REPORT ARE REFERENCED CLOCKWISE FROM THE OUTGOING PIPE WITH THE MH NUMBER AS THE PREFIX I.E. MH01A. END POINT LOCATIONS WITHIN BUILDINGS ARE INDICATIVE UNLESS STATED.

Note: Pipe sizes in mm

TECHNICAL NOTES

ALL LEVELS ARE BASED ON ORDNANCE SURVEY DATUM OBTAINED FROM ACTIVE GPS NETWORK 'OSGB36(15)'

GRID IS BASED ON OS DATUM OBTAINED FROM ACTIVE GPS NETWORK 'OSGB36(15)'

ALL KERB LEVELS ARE TAKEN IN CHANNEL

A SCALE FACTOR OF 1.000000 HAS BEEN APPLIED TO THIS DRAWING

Rev.	Date	Description	By

Drawn by: MP Surveyed by: MP Checked by: SDS

SDS DESIGN SERVICES

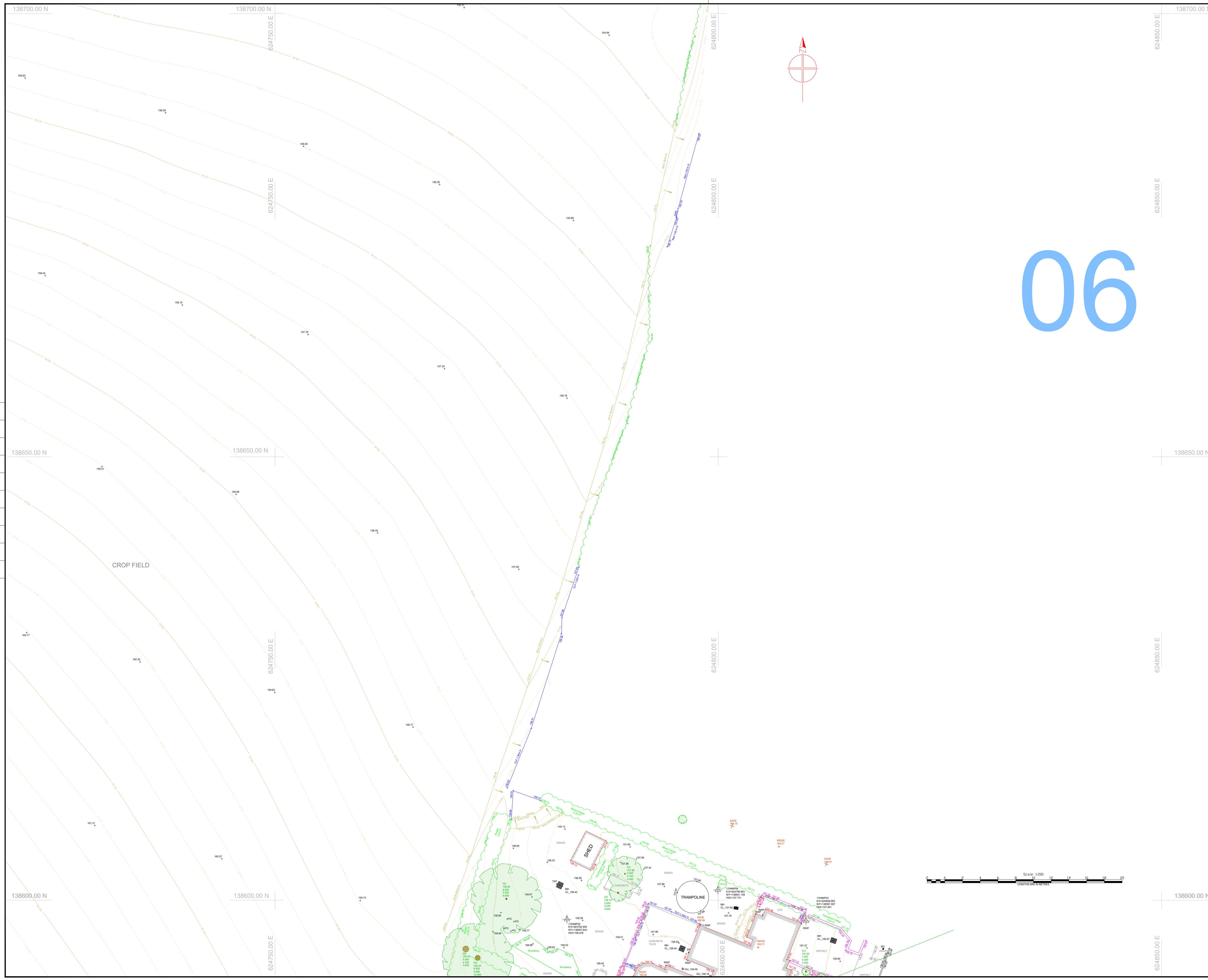
Project title: CAULDHAM LANE
CAPEL LE FERNE, CT18 7HG

Drawing title: TOPOGRAPHICAL SURVEY

Client: QUINN ESTATES

Drawing No: SDS 208912.05 Revision:

Scale 1:200 @ A1 Date: MAY 2023 Sheet size: A1



06

TOPOGRAPHICAL SURVEY LEGEND

GENERAL

AV	AIR VALVE	LH	LAMP HOLE
BB	BOLISHA BEACON	LP	LAMP POST
BD	BOUNDARY	MK	MARKER POST
BH	BORNEHOLE	MS	MILE STONE
BL	BED LEVEL	NB	NOTICE BOARD
BO	BOLLARD	NP	NAME PLATE
BS	BUS STOP	OSBM	ORDNANCE SURVEY BENCH MARK
BKW	BRICK WALL	OH	OVERHEAD
CATV	CABLE TELEVISION	PE	PENSTOCK
CG	CATTLE GRID	PM	PARKING METER
CH	CHANNEL LEVEL	PO	POST
Conc	CONCRETE	RB	RUBBISH BIN
Corr	CORRUGATED	RS	ROAD SIGN
CO	COPING LEVEL	RTW	RETAINING WALL
CPS	CONC. PAVING SLABS	RWP	RAIN WATER PIPE
CR	CROWN LEVEL	SAP	SARUNG
CUL	CULVERT	SC	STOP COCK
DK	DROP KERB	SL	SOFT LEVEL
DP	DOWN PIPE	SVP	SOIL VENT PIPE
EB	ELECTRICITY BOX	SP	SIGN POST
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EMKH	ELECTRICITY MANHOLE	SV	STOP VALVE
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EPY	ELECTRICITY Pylon	TB	TREE BOLE
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FH	FIRE HYDRANT	TGB	TELEPHONE CALL BOX
FLR	FLOOR LEVEL	TH	THRESHOLD
FM	FLOW METER	TL	TRAFFIC LIGHT
FB	FLOWER BED	TMH	TELEPHONE MANHOLE
FW	FOUL WATER	TOW	TOP OF WALL
GL	GROUND LEVEL	TP	TELEGRAPH POLE
GP	GATE POST	TS	TREE STUMP
GV	GAS VALVE	UG	UNDERGROUND
H	HIGH	VA	VALVE
HO	HOLE	VP	VENT PIPE
HW	HEADWALL	W	WIDE
IC	INSPECTION COVER	WL	WATER LEVEL
JB	JUNCTION BOX	WM	WATER METER
KL	KEEP LEFT ROAD SIGN	WO	WASH OUT
LB	LETTER BOX	WP	WOODEN POST
		WV	WATER VALVE

FENCE TYPES

BWF	BARBED WIRE FENCE	IWF	FENCE INTERWOVEN
CBF	CLOSE BOARDED FENCE	LF	FENCE LARCH LAD
CLF	CHAINLINK FENCE	PAL	FENCE PALISADE FENCE
CPF	CHESTNUT PALING	PRF	POST & RAIL FENCE
CWF	FENCE CHICKEN WIRE	PWF	POST & WIRE FENCE
IRF	FENCE IRON RAILING	TR	TRELLIS

TREE TYPES

AA	ACACIA	ED	ELDER	OR	ORNAMENTAL
AH	ASH	EM	ELM	PE	PINE
AL	ALDER	FR	FIR	PEL	POLLARDED
AN	ASPEN	HB	HORNBEAM	PR	POPLAR
AP	APPLE	HC	HORSE CHESTNUT	SB	SILVER BIRCH
BH	BEECH	HN	HAWTHORN	SC	SWEET CHESTNUT
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BR	BIRCH	HZ	HAZEL	SY	SYCAMORE
CE	CHERRY	LA	LARCH	WB	WHITEBERAM
CO	CONIFER	LE	LIME	WT	WALNUT
CR	CEDAR	LN	LONDON PLANE	WW	WILLOW
CY	CYPRESS	ME	MAPLE	YU	YEW
DD	DEAD	OK	OAK	XX	UNKNOWN

SERVICE ABBREVIATIONS

AC	ASSUMED CONNECTION	IL	INVERT LEVEL
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BD	BACK DROP	MH	MANHOLE
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CD	CHAMBER DEPTH	PI	PETROL INTERCEPTOR
COW	CABLE ON WALL	RD	FROM RECORD DRAWINGS
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CP	CATCH PIT	SK	SOAKAWAY
CB	CABLE RISER	TPT	TRACED POINT
DTB	DEPTH TO BASE	UNK	UNKNOWN SERVICE
D	DEPTH	UTL	UNABLE TO LOCATE
(66)	DISBURSED	UNR	UNABLE TO RAISE
EOT	END OF TRACE	UTT	UNABLE TO TRACE
GU	GULLY	UTS	UNABLE TO SURVEY

UTILITY LEGEND AND NOTES

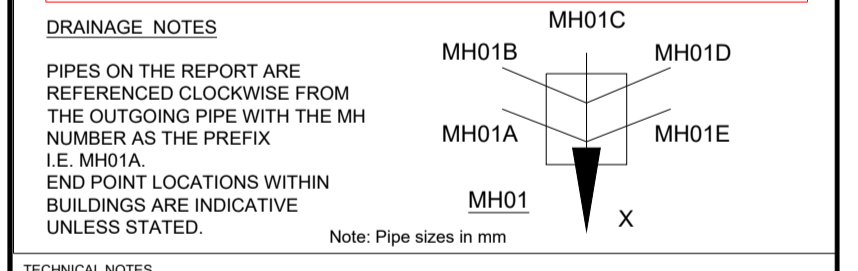
FOUL WATER DRAINAGE	— (red line)	WATER	— (blue line)
SURFACE WATER DRAINAGE	— (green line)	GAS	— (yellow line)
ELECTRICITY	— (orange line)	ELECTRICITY OVERHEAD	— (red line)
TELEPHONE	— (green line)	UNKNOWN SERVICE DETECTED BY GPR	— (purple line)
UNKNOWN SERVICE DETECTED BY GPR	— (purple line)	UNKNOWN LINEAR FEATURE DETECTED BY GPR	— (green line)
FIBRE OPTIC	— (green line)	UNDERGROUND CHAMBER	— (grey line)
GPR (0.00)	GROUND PENETRATING RADAR (DEPTH)		

UTILITY DEPTHS ARE DRAWN IN 3D WITH THE LEVEL CORRESPONDING TO THE CENTRE OF THE UTILITY AND FEATURES DETECTED BY GPR WHERE THE LEVEL IS THAT OF THE TOP OF THE UTILITY AND SONDE TRACING DEPTHS WHERE THE DEPTH IS RELEVANT TO THE POSITION OF THE TRACING SONDE SITTING WITHIN THE PIPE. THESE ARE DENOTED BY SPECIFIC LAYERS OR LINETYPES SHOWN IN THE LEGEND OR BY SPECIFIC LABELLING OF THE DRAWING.

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CAUTIONARY NOTES

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TECHNICAL NOTES

ALL LEVELS ARE BASED ON ORDNANCE SURVEY DATUM OBTAINED FROM ACTIVE GPS NETWORK 'OSGB3615'

GRID IS BASED ON OS DATUM OBTAINED FROM ACTIVE GPS NETWORK 'OSGB3615'

ALL KERB LEVELS ARE TAKEN IN CHANNEL

A SCALE FACTOR OF 1.000000 HAS BEEN APPLIED TO THIS DRAWING

Rev.	Date	Description	By

Drawn by: **MP** Surveyed by: **MP** Checked by: **SDS**



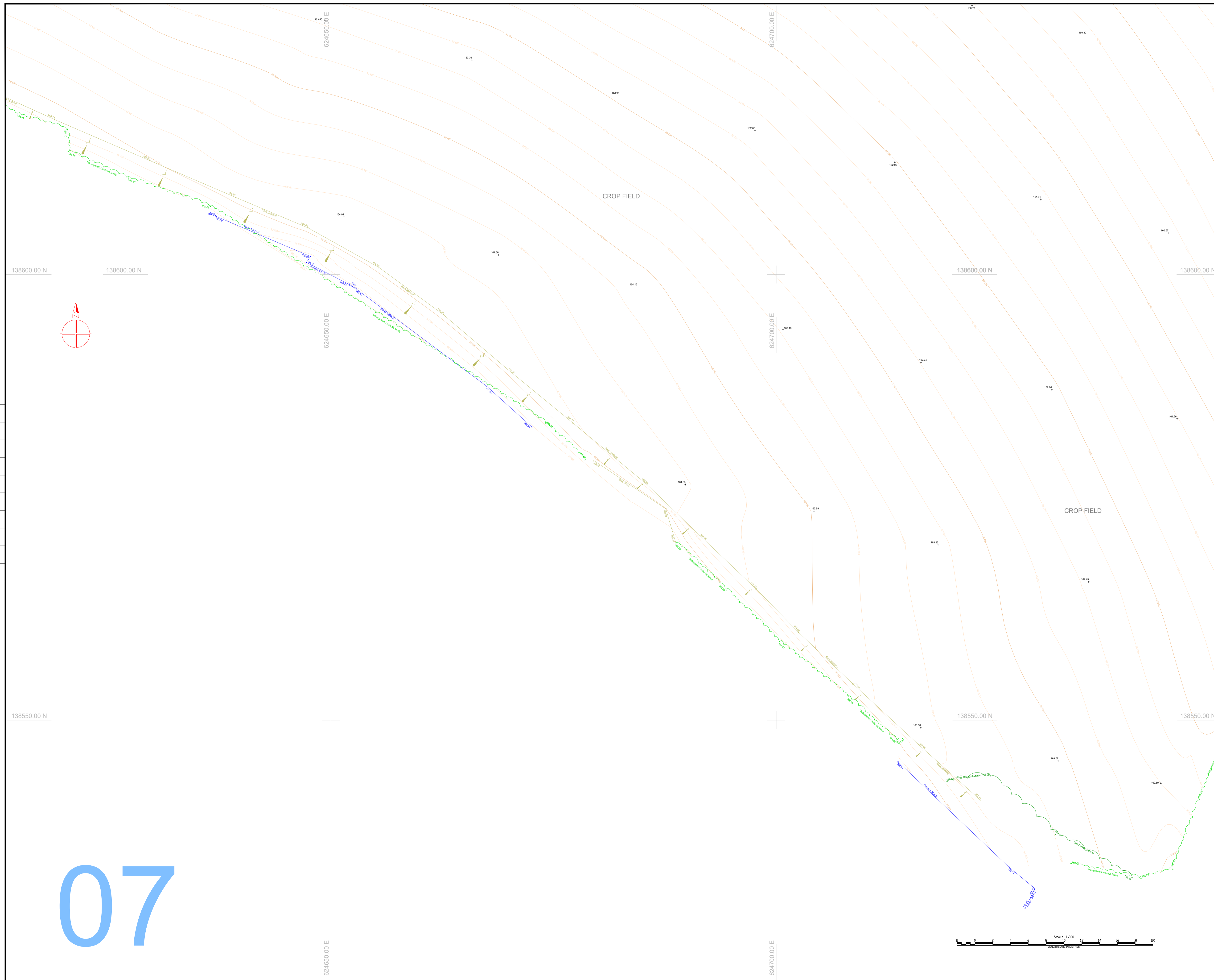
Project title: **CAULDHAM LANE
CAPEL LE FERNE, CT18 7HG**

Drawing title: **TOPOGRAPHICAL
SURVEY**

Client: **QUINN ESTATES**

Drawing No: **SDS 208912.06** Revision: **—**

Scale 1:200 @ A1 Date: **MAY 2023** Sheet size: **A1**



TOPOGRAPHICAL SURVEY LEGEND

GENERAL

AV	AIR VALVE	LH	LAMP HOLE
BB	BOLISHA BEACON	LP	LAMP POST
Bdy	BOUNDARY	MK	MARKER POST
BH	BORSHOLE	MS	MILE STONE
BL	BED LEVEL	NB	NOTICE BOARD
BO	BOLLARD	NP	NAME PLATE
BS	BUS STOP	OSBM	ORDNANCE SURVEY BENCH MARK
BKW	BRICK WALL	OH	OVERHEAD
CATV	CABLE TELEVISION	PE	PENSTOCK
CC	CATTLE GRID	PM	PARKING METER
CH	CHANNEL LEVEL	PO	POST
Conc	CONCRETE	RB	RUBBISH BIN
Corr	CORRUGATED	RS	ROAD SIGN
CO	COPING LEVEL	RTW	RETAINING WALL
CPS	CONC. PAVING SLABS	RWP	RAIN WATER PIPE
CR	CROWN LEVEL	SAP	SAPLING
CUL	CULVERT	SC	STOP COCK
DK	DROP KERB	SL	SOFT LEVEL
DP	DOWN PIPE	SVP	SOIL VENT PIPE
EB	ELECTRICITY BOX	SP	SIGN POST
EC	ELECTRICITY CABLE	STN	SURVEY STATION
EMKH	ELECTRICITY MANHOLE	SV	STOP VALVE
EP	ELECTRICITY POLE	SW	SURFACE WATER
EPY	ELECTRICITY Pylon	TB	TREE BOLE
ER	EARTHING ROD	TBM	TEMPORARY BENCH MARK
FH	FIRE HYDRANT	TCB	TELEPHONE CALL BOX
FLR	FLOOR LEVEL	TH	THRESHOLD
FM	FLOW METER	TL	TRAFFIC LIGHT
FB	FLOWER BED	TMH	TELEPHONE MANHOLE
FW	FOUL WATER	TOW	TOP OF WALL
GL	GROUND LEVEL	TP	TELEGRAPH POLE
GP	GATE POST	TS	TREE STUMP
GV	GAS VALVE	UG	UNDERGROUND
H	HIGH	VA	VALVE
HO	HOLE	VP	VENT PIPE
HW	HEADWALL	W	WIDE
IC	INSPECTION COVER	WL	WATER LEVEL
JB	JUNCTION BOX	WM	WATER METER
KL	KEEP LEFT ROAD SIGN	WO	WASH OUT
LB	LETTER BOX	WP	WOODEN POST
		WV	WATER VALVE

FENCE TYPES

BWF	BARBED WIRE FENCE	IWF	FENCE INTERWOVEN
CBF	CLOSE BOARDED FENCE	LFF	FENCE LARCH LAF
CLF	CHAINLINK FENCE	PAL	FENCE PALISADE FENCE
CPF	CHESTNUT PALING	PRF	POST & RAIL FENCE
CWF	FENCE CHICKEN WIRE	PWF	POST & WIRE FENCE
IRF	FENCE IRON RAILING	TR	TRELLIS

TREE TYPES

AA	ACACIA	ED	ELDER	OR	ORNAMENTAL
AH	ASH	EM	ELM	PE	PINE
AL	ALDER	FR	FIR	PEL	POLLARDED
AN	ASPEN	HB	HORNBEAM	PR	POPLAR
AP	APPLE	HC	HORSE CHESTNUT	SB	SILVER BIRCH
BH	BEECH	HN	HAWTHORN	SC	SWEET CHESTNUT
BL	BLACKTHORN	HY	HOLLY	SU	SPRUCE
BR	BIRCH	HZ	HAZEL	SY	SYCAMORE
CE	CHERRY	LA	LARCH	WB	WHITEBAM
CO	CONIFER	LE	LIME	WT	WALNUT
CR	CEDAR	LN	LONDON PLANE	WW	WILLOW
CY	CYPRESS	ME	MAPLE	YW	YEW
DD	DEAD	OK	OAK	XX	UNKNOWN

SERVICE ABBREVIATIONS

AC	ASSUMED CONNECTION	IL	INVERT LEVEL
AR	ASSUMED ROUTE	KIG	KERB INLET GULLY
BD	BACK DROP	MH	MANHOLE
CC	CONFIRMED CONNECTION	OHL	OVER HEAD LINE
CD	CHAMBER DEPTH	PI	PETROL INTERCEPTOR
COW	CABLE ON WALL	RD	FROM RECORD DRAWINGS
CL	COVER LEVEL	RE	RODDING EYE
CP	CATCH PIT	SK	SOAKAWAY
CB	CABLE RISER	TPT	TRACED POINT
DTB	DEPTH TO BASE	UNK	UNKNOWN SERVICE
D	DEPTH	UTL	UNABLE TO LOCATE
(66)	DISBURSED	UTR	UNABLE TO RAISE
EOT	END OF TRACE	UTT	UNABLE TO TRACE
GU	GULLY	UTS	UNABLE TO SURVEY

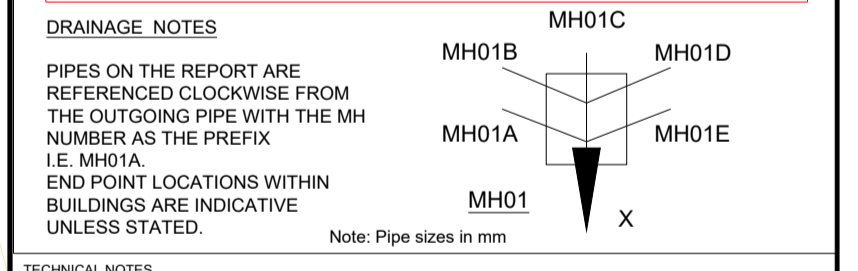
UTILITY LEGEND AND NOTES

FOUL WATER DRAINAGE	— (Red line)	WATER DRAINAGE	— (Blue line)
GAS	— (Green line)	ELECTRICITY	— (Yellow line)
ELECTRICITY OVERHEAD	— (Red dashed line)	TELEPHONE	— (Green dashed line)
UNKNOWN SERVICE DETECTED BY EML	— (Purple dashed line)	UNKNOWN SERVICE DETECTED BY GPR	— (Pink dashed line)
UNKNOWN LINEAR FEATURE DETECTED BY GPR	— (Green dashed line)	FIBRE OPTIC	— (Blue dashed line)
UNDERGROUND CHAMBER	— (Green dashed line)	GPR (0.00) GROUND PENETRATING RADAR (DEPTH)	— (Green dashed line)

UTILITY DEPTHS SERVICES ARE DRAWN IN 3D WITH THE LEVEL CORRESPONDING TO THE CENTRE OF THE UTILITY AND FEATURES DETECTED BY GPR WHERE THE LEVEL IS THAT OF THE TOP OF THE UTILITY AND SONDE TRACING DEPTHS WHERE THE DEPTH IS RELEVANT TO THE POSITION OF THE TRACING SONDE SITTING WITHIN THE PIPE. THESE ARE DENOTED BY SPECIFIC LAYERS OR LINETYPES SHOWN IN THE LEGEND OR BY SPECIFIC LABELLING OF THE DRAWING.

CONFIDENCE RATING CONFIDENCE RATINGS FOR UTILITIES TRACED ARE IDENTIFIED AS LAID OUT IN SECTION 5 OF THE PAS 128:2022 SPECIFICATION FOR UNDERGROUND UTILITY DETECTION VERIFICATION AND LOCATION. THEY ARE SHOW WITHIN THE LINETYPE AS A SUFFIX (SEE EXAMPLE BELOW)

CAUTIONARY NOTES
ELECTRO-DETECTION TECHNIQUES HAVE BEEN USED IN THE LOCATION OF UNDERGROUND SERVICES. THE RESULTS ARE NOT INFALLIBLE AND TRIAL EXCAVATIONS MUST BE CARRIED OUT TO CONFIRM SERVICE IDENTIFICATION, POSITIONS AND PARTICULARLY DEPTHS. ALTHOUGH ALL REASONABLE EFFORT HAS BEEN MADE IN SEARCHING AVAILABLE RECORD DRAWINGS, THE COMPLETENESS OF THE UNDERGROUND SERVICE INFORMATION CANNOT BE GUARANTEED. INFORMATION OBTAINED BY GPR IS INDICATIVE OF BURIED INFRASTRUCTURE THAT MAY NOT BE DETECTABLE BY OTHER MEANS.

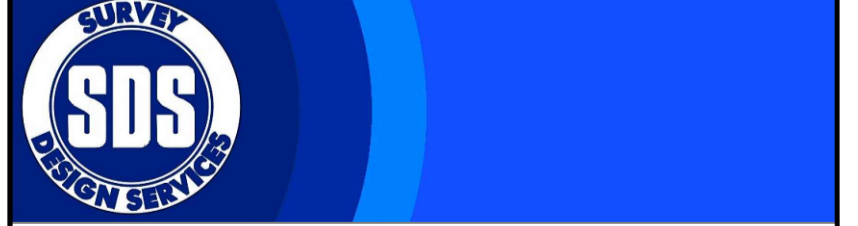


TECHNICAL NOTES
ALL LEVELS ARE BASED ON ORDNANCE SURVEY DATUM OBTAINED FROM ACTIVE GPS NETWORK 'OSGB36(15)'. A SCALE FACTOR OF 1.000000 HAS BEEN APPLIED TO THIS DRAWING.

GRID IS BASED ON OS DATUM OBTAINED FROM ACTIVE GPS NETWORK 'OSGB36(15)'. ALL KERB LEVELS ARE TAKEN IN CHANNEL.

Rev.	Date	Description	By

Drawn by: **MP** Surveyed by: **MP** Checked by: **SDS**



Project title: **CAULDHAM LANE CAPEL LE FERNE, CT18 7HG**

Drawing title: **TOPOGRAPHICAL SURVEY**

Client: **QUINN ESTATES**

Drawing No: **SDS 208912.07** Revision: **—**

Scale 1:200 @ A1 Date: **MAY 2023** Sheet size: **A1**

07



TOPOGRAPHICAL SURVEY LEGEND

GENERAL

AV AIR VALVE	LH LAMP HOLE
BB BOLISHA BEACON	LP LAMP POST
Bdy BOUNDARY	MK MARKER POST
BH BOREHOLE	MS MILE STONE
BL BED LEVEL	NB NOTICE BOARD
BO BOLLARD	NP NAME-PLATE
BS BUS STOP	OSBM ORDNANCE SURVEY BENCH MARK
BKW BRICK WALL	OH OVERHEAD
CATV CABLE TELEVISION	PE PENSTOCK
CC CATTLE GRID	PM PARKING METER
CH CHANNEL LEVEL	PO POST
Conc CONCRETE	RB RUBBISH BIN
Corr CORRUGATED	RS ROAD SIGN
CO COPING LEVEL	RTW RETAINING WALL
CPS CONC. PAVING SLABS	RWP RAIN WATER PIPE
CR CROWN LEVEL	SAP SAMP
CUL CULVERT	SC STOP COCK
DK DROP KERB	SL SOFTY LEVEL
DP DOWN PIPE	SVP SOIL VENT PIPE
EB ELECTRICITY BOX	SP SIGN POST
EC ELECTRICITY CABLE	STN SURVEY STATION
EMkMH ELECTRICITY MANHOLE	SV STOP VALVE
EP ELECTRICITY POLE	SW SURFACE WATER
EPY ELECTRICITY PYLON	TB TREE BOLE
ER EARTHING ROD	TBM TEMPORARY BENCH MARK
FH FIRE HYDRANT	TGB TELEPHONE CALL BOX
FLR FLOOR LEVEL	TH THRESHOLD
FM FLOW METER	TL TRAFFIC LIGHT
FB FLOWER BED	TMH TELEPHONE MANHOLE
FW FOUL WATER	TOW TOP OF WALL
GL GROUND LEVEL	TP TELEGRAPH POLE
GP GATE POST	TS TREE STUMP
GV GAS VALVE	UG UNDERGROUND
H HIGH	VA VALVE
HO HOLE	VP VENT PIPE
HW HEADWALL	W WIDE
IC INSPECTION COVER	WL WATER LEVEL
JB JUNCTION BOX	WM WATER METER
KL KEEP LEFT ROAD SIGN	WO WASH OUT
LB LETTER BOX	WP WOODEN POST
	WV WATER VALVE

FENCE TYPES

BWF BARBED WIRE FENCE	IWF FENCE INTERWOVEN
CBF CLOSE BOARDED FENCE	LF FENCE LARCH
CLF CHAINLINK FENCE	PAL FENCE PALISADE FENCE
CPF CHESTNUT PALING	PRF POST & RAIL FENCE
CPW FENCE CHICKEN WIRE	PWF POST & WIRE FENCE
IRF FENCE IRON RAILING	TR TRELLIS

TREE TYPES

AA ACACIA	ED ELDER	OR ORNAMENTAL
AH ASH	EM ELM	PE PINE
AL ALDER	FR FIR	FRM FRILLARDED
AN ASPEN	HB HORNBEAM	PR POPLAR
AP APPLE	HC HORSE CHESTNUT	SB SILVER BIRCH
BH BEECH	HN HAWTHORN	SC SWEET CHESTNUT
BL BLACKTHORN	HY HOLLY	SU SPRUCE
BR BIRCH	HZ HAZEL	SY SYCAMORE
CE CHERRY	LA LARCH	WB WHITEBIRAM
CO CONIFER	LE LIME	WT WALNUT
CR CEDAR	LN LONDON PLANE	WW WILLOW
CY CYPRESS	ME MAPLE	XX UNKNOWN
DD DEAD	OK OAK	

SERVICE ABBREVIATIONS

AC ASSUMED CONNECTION	IL INVERT LEVEL
AR ASSUMED ROUTE	KIG KERB INLET GULLY
BD BACK DROP	MH MANHOLE
CC CONFIRMED CONNECTION	OHL OVER HEAD LINE
CD CHAMBER DEPTH	PI PETROL INTERCEPTOR
COW CABLE ON WALL	FRM FROM RECORD DRAWINGS
CL COVER LEVEL	RE RODDING EYE
CP CATCH PIT	SK SOAKAWAY
CB CABLE RISER	TPT TRACED POINT
DTB DEPTH TO BASE	UNK UNKNOWN SERVICE
D DEPTH	UTL UNABLE TO LOCATE
(66) DISBURSED	UTR UNABLE TO RAISE
EOT END OF TRACE	UTT UNABLE TO TRACE
GU GULLY	UTS UNABLE TO SURVEY

UTILITY LEGEND AND NOTES

RED WATER DRAINAGE	ORANGE SERVICES ARE DRAWN IN 3D WITH THE LEVEL CORRESPONDING TO THE CENTRE OF THE UTILITY
BLUE SURFACE WATER DRAINAGE	GREEN AND FEATURES DETECTED BY GPR WHERE THE LEVEL IS THAT OF THE TOP OF THE UTILITY AND SONDE TRACING
WATER	RED DEPTHS WHERE THE DEPTH IS RELEVANT TO THE POSITION OF THE TRACING SONDE SITTING WITHIN THE PIPE
GAS	ORANGE THESE ARE DENOTED BY SPECIFIC LAYERS OR LINETYPES SHOWN IN THE LEGEND OR BY SPECIFIC LABELLING OF THE DRAWING.
ELECTRICITY	ORANGE CONFIDENCE RATING
ELECTRICITY OVERHEAD	ORANGE CONFIDENCE RATINGS FOR UTILITIES TRACED ARE IDENTIFIED AS LAID OUT IN SECTION 5 OF THE PAS 128:2022 SPECIFICATION FOR UNDERGROUND UTILITY DETECTION, VERIFICATION AND LOCATION. THEY ARE SHOWN WITHIN THE LINETYPE AS A SUFFIX (SEE EXAMPLE BELOW)
TELEPHONE	ORANGE (GPR) CONFIDENCE RATING
UNKNOWN SERVICE DETECTED BY EML	ORANGE (GPR) CONFIDENCE RATING
UNKNOWN SERVICE DETECTED BY GPR	ORANGE (GPR) CONFIDENCE RATING
CATV	ORANGE (GPR) CONFIDENCE RATING
UNKNOWN LINEAR FEATURE DETECTED BY GPR	ORANGE (GPR) CONFIDENCE RATING
FIBRE OPTIC	ORANGE (GPR) CONFIDENCE RATING
UNDERGROUND CHAMBER	ORANGE (GPR) CONFIDENCE RATING
GPR (0.00) GROUND PENETRATING RADAR (DEPTH)	ORANGE (GPR) CONFIDENCE RATING

CAUTIONARY NOTES

ELECTRO-DETECTION TECHNIQUES HAVE BEEN USED IN THE LOCATION OF UNDERGROUND SERVICES. THE RESULTS ARE NOT INFALLIBLE AND TRIAL EXCAVATIONS MUST BE CARRIED OUT TO CONFIRM SERVICE IDENTIFICATION, POSITIONS AND PARTICULARLY DEPTHS. ALTHOUGH ALL REASONABLE EFFORT HAS BEEN MADE IN SEARCHING AVAILABLE RECORD DRAWINGS, THE COMPLETENESS OF THE UNDERGROUND SERVICE INFORMATION CANNOT BE GUARANTEED. INFORMATION OBTAINED BY GPR IS INDICATIVE OF BURIED INFRASTRUCTURE THAT MAY NOT BE DETECTABLE BY OTHER MEANS.

DRAINAGE NOTES

PIPES ON THE REPORT ARE REFERENCED CLOCKWISE FROM THE OUTGOING PIPE WITH THE MH NUMBER AS THE PREFIX I.E. MH01A. END POINT LOCATIONS WITHIN BUILDINGS ARE INDICATIVE UNLESS STATED.

Note: Pipe sizes in mm

TECHNICAL NOTES

ALL LEVELS ARE BASED ON ORDNANCE SURVEY DATUM OBTAINED FROM ACTIVE GPS NETWORK 'OSGB36(15)'. ALL KERB LEVELS ARE TAKEN IN CHANNEL.

A SCALE FACTOR OF 1.000000 HAS BEEN APPLIED TO THIS DRAWING

Rev.	Date	Description	By

Drawn by: **MP** Surveyed by: **MP** Checked by: **SDS**

SDS SURVEY DESIGN SERVICES

Project title: **CAULDHAM LANE CAPEL LE FERNE, CT18 7HG**

Drawing title: **TOPOGRAPHICAL SURVEY**

Client: **QUINN ESTATES**

Drawing No: **SDS 208912.08** Revision: **—**

Scale 1:200 @ A1 Date: **MAY 2023** Sheet size: **A1**

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TOPOGRAPHICAL SURVEY LEGEND

GENERAL

AV	AIR VALVE	LH	LAMP HOLE
BB	BOLISHA BEACON	LP	LAMP POST
Bdy	BOUNDARY	MK	MARKER POST
BH	BORSHOLE	MS	MILE STONE
BL	BED LEVEL	NB	NOTICE BOARD
BO	BOLLARD	NP	NAME PLATE
BS	BUS STOP	OSBM	ORDNANCE SURVEY BENCH MARK
BKW	BRICK WALL	OH	OVERHEAD
CATV	CABLE TELEVISION	PE	PENSTOCK
CG	CATTLE GRID	PM	PARKING METER
CH	CHANNEL LEVEL	PO	POST
Conc	CONCRETE	RB	RUBBISH BIN
Corr	CORRUGATED	RS	ROAD SIGN
CO	COPING LEVEL	RTW	RETAINING WALL
CPS	CONC. PAVING SLABS	RWP	RAIN WATER PIPE
CR	CROWN LEVEL	SAP	SAW
CUL	CULVERT	SC	STOP COCK
DK	DROP KERB	SL	SOFT LEVEL
DP	DOWN PIPE	SVP	SOIL VENT PIPE
EB	ELECTRICITY BOX	SP	SIGN POST
EC	ELECTRICITY CABLE	STN	SURVEY STATION
EMKH	ELECTRICITY MANHOLE	SV	STOP VALVE
EP	ELECTRICITY POLE	SW	SURFACE WATER
EPY	ELECTRICITY Pylon	TB	TREE BOLE
ER	EARTHING ROD	TBM	TEMPORARY BENCH MARK
FH	FIRE HYDRANT	TGB	TELEPHONE CALL BOX
FLR	FLOOR LEVEL	TH	THRESHOLD
FM	FLOW METER	TL	TRAFFIC LIGHT
FB	FLOWER BED	TMH	TELEPHONE MANHOLE
FW	FOWL WATER	TOW	TOP OF WALL
GL	GROUND LEVEL	TP	TELEGRAPH POLE
GP	GATE POST	TS	TREE STUMP
GV	GAS VALVE	UG	UNDERGROUND
H	HIGH	VA	VALVE
HO	HOLE	VP	VENT PIPE
HW	HEADWALL	WL	WATER LEVEL
IC	INSPECTION COVER	WM	WATER METER
JB	JUNCTION BOX	WO	WASH OUT
LB	LETTER BOX	WP	WOODEN POST
		WV	WATER VALVE

FENCE TYPES

BWF	BARBED WIRE FENCE	IWF	FENCE INTERWOVEN
CBF	CLOSE BOARDED FENCE	LF	FENCE LARCH L48
CLF	CHAINLINK FENCE	PAL	FENCE PALISADE FENCE
CPF	CHESTNUT PALING	PRF	POST & RAIL FENCE
CWF	FENCE CHICKEN WIRE	PWF	POST & WIRE FENCE
IRF	FENCE IRON RAILING	TR	TRELLIS

TREE TYPES

AA	ACACIA	ED	ELDER	OR	ORNAMENTAL
AH	ASH	EM	ELM	PE	PINE
AL	ALDER	FR	FIR	PL	POLLARDED
AN	ASPEN	HB	HORNBEAM	PR	POPLAR
AP	APPLE	HC	HORSE CHESTNUT	SB	SILVER BIRCH
BH	BEECH	HN	HAWTHORN	SC	SWEET CHESTNUT
BL	BLACKTHORN	HY	HOLLY	SU	SPRUCE
BR	BIRCH	HZ	HAZEL	SY	SYCAMORE
CE	CHERRY	LA	LARCH	WB	WHITEBRAM
CO	CONIFER	LE	LIME	WT	WALNUT
CR	CEDAR	LN	LONDON PLANE	WW	WILLOW
CY	CYPRESS	ME	MAPLE	YK	YEW
DD	DEAD	OK	OK	XX	UNKNOWN

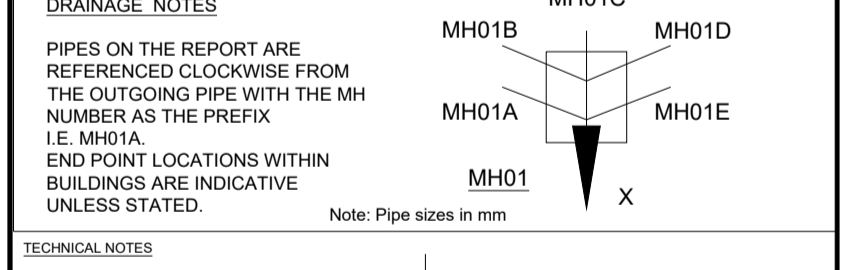
SERVICE ABBREVIATIONS

AC	ASSUMED CONNECTION	IL	INVERT LEVEL
AR	ASSUMED ROUTE	KIG	KERB INLET GULLY
BD	BACK DROP	MH	MANHOLE
CC	CONFIRMED CONNECTION	OHL	OVER HEAD LINE
CD	CHAMBER DEPTH	PI	PETROL INTERCEPTOR
CDW	CABLE ON WALL	FRD	FROM RECORD DRAWINGS
CL	COVER LEVEL	RE	RODDING EYE
CP	CATCH PIT	SK	SOAKAWAY
CS	CABLE RISER	TFT	TRACED POINT
DTB	DEPTH TO BASE	UNK	UNKNOWN SERVICE
D	DEPTH	UTL	UNABLE TO LOCATE
(d)	DISBURSED	UR	UNABLE TO RAISE
EOT	END OF TRACE	UTT	UNABLE TO TRACE
GU	GULLY	UTS	UNABLE TO SURVEY

UTILITY LEGEND AND NOTES

FOUL WATER DRAINAGE	—	UTILITY DEPTHS	UTILITIES ARE DRAWN IN 3D WITH THE LEVEL CORRESPONDING TO THE LEVEL OF THE UTILITY
COMBINED WATER DRAINAGE	—	CD	CENTRE OF THE UTILITY
SURFACE WATER DRAINAGE	—	CD	AND FEATURES DETECTED BY GPR WHERE THE LEVEL IS THAT OF THE TOP OF THE UTILITY AND SONDE TRACING
WATER	—	CD	DEPTHS WHERE THE DEPTH IS RELEVANT TO THE POSITION OF THE PIPE
GAS	—	CD	TRACING SONDE SITTING WITHIN THE PIPE
ELECTRICITY	—	CD	THESE ARE DENOTED BY SPECIFIC LAYERS OR LINE TYPES SHOWN IN THE LEGEND OR BY SPECIFIC LABELLING OF THE DRAWING.
ELECTRICITY OVERHEAD	—	CD	CONFIDENCE RATING FOR UTILITIES TRACED ARE IDENTIFIED AS LAID OUT IN SECTION 5 OF THE PAS 128:2022 SPECIFICATION FOR UNDERGROUND UTILITY DETECTION, VERIFICATION AND LOCATION. THEY ARE SHOWN WITHIN THE LINE TYPE AS A SUFFIX (SEE EXAMPLE BELOW)
TELEPHONE	—	CD	CONFIDENCE RATING FOR UTILITIES TRACED ARE IDENTIFIED AS LAID OUT IN SECTION 5 OF THE PAS 128:2022 SPECIFICATION FOR UNDERGROUND UTILITY DETECTION, VERIFICATION AND LOCATION. THEY ARE SHOWN WITHIN THE LINE TYPE AS A SUFFIX (SEE EXAMPLE BELOW)
UNKNOWN SERVICE DETECTED BY EML	—	CD	CONFIDENCE RATING FOR UTILITIES TRACED ARE IDENTIFIED AS LAID OUT IN SECTION 5 OF THE PAS 128:2022 SPECIFICATION FOR UNDERGROUND UTILITY DETECTION, VERIFICATION AND LOCATION. THEY ARE SHOWN WITHIN THE LINE TYPE AS A SUFFIX (SEE EXAMPLE BELOW)
UNKNOWN SERVICE DETECTED BY GPR	—	CD	CONFIDENCE RATING FOR UTILITIES TRACED ARE IDENTIFIED AS LAID OUT IN SECTION 5 OF THE PAS 128:2022 SPECIFICATION FOR UNDERGROUND UTILITY DETECTION, VERIFICATION AND LOCATION. THEY ARE SHOWN WITHIN THE LINE TYPE AS A SUFFIX (SEE EXAMPLE BELOW)
UNKNOWN LINEAR FEATURE DETECTED BY GPR	—	CD	CONFIDENCE RATING FOR UTILITIES TRACED ARE IDENTIFIED AS LAID OUT IN SECTION 5 OF THE PAS 128:2022 SPECIFICATION FOR UNDERGROUND UTILITY DETECTION, VERIFICATION AND LOCATION. THEY ARE SHOWN WITHIN THE LINE TYPE AS A SUFFIX (SEE EXAMPLE BELOW)
FIBRE OPTIC	—	CD	CONFIDENCE RATING FOR UTILITIES TRACED ARE IDENTIFIED AS LAID OUT IN SECTION 5 OF THE PAS 128:2022 SPECIFICATION FOR UNDERGROUND UTILITY DETECTION, VERIFICATION AND LOCATION. THEY ARE SHOWN WITHIN THE LINE TYPE AS A SUFFIX (SEE EXAMPLE BELOW)
UNDERGROUND CHAMBER	—	CD	CONFIDENCE RATING FOR UTILITIES TRACED ARE IDENTIFIED AS LAID OUT IN SECTION 5 OF THE PAS 128:2022 SPECIFICATION FOR UNDERGROUND UTILITY DETECTION, VERIFICATION AND LOCATION. THEY ARE SHOWN WITHIN THE LINE TYPE AS A SUFFIX (SEE EXAMPLE BELOW)
GPR (0.00)	—	CD	CONFIDENCE RATING FOR UTILITIES TRACED ARE IDENTIFIED AS LAID OUT IN SECTION 5 OF THE PAS 128:2022 SPECIFICATION FOR UNDERGROUND UTILITY DETECTION, VERIFICATION AND LOCATION. THEY ARE SHOWN WITHIN THE LINE TYPE AS A SUFFIX (SEE EXAMPLE BELOW)
		CD	CONFIDENCE RATING FOR UTILITIES TRACED ARE IDENTIFIED AS LAID OUT IN SECTION 5 OF THE PAS 128:2022 SPECIFICATION FOR UNDERGROUND UTILITY DETECTION, VERIFICATION AND LOCATION. THEY ARE SHOWN WITHIN THE LINE TYPE AS A SUFFIX (SEE EXAMPLE BELOW)

CAUTIONARY NOTES
ELECTRO-DETECTION TECHNIQUES HAVE BEEN USED IN THE LOCATION OF UNDERGROUND SERVICES. THE RESULTS ARE NOT INFALLIBLE AND TRIAL EXCAVATIONS MUST BE CARRIED OUT TO CONFIRM SERVICE IDENTIFICATION, POSITIONS AND PARTICULARLY DEPTHS. ALTHOUGH ALL REASONABLE EFFORT HAS BEEN MADE IN SEARCHING AVAILABLE RECORD DRAWINGS, THE COMPLETENESS OF THE UNDERGROUND SERVICE INFORMATION CANNOT BE GUARANTEED. INFORMATION OBTAINED BY GPR IS INDICATIVE OF BURIED INFRASTRUCTURE THAT MAY NOT BE DETECTABLE BY OTHER MEANS.



TECHNICAL NOTES

ALL LEVELS ARE BASED ON ORDNANCE SURVEY DATUM OBTAINED FROM ACTIVE GPR NETWORK 'OSGB3615'

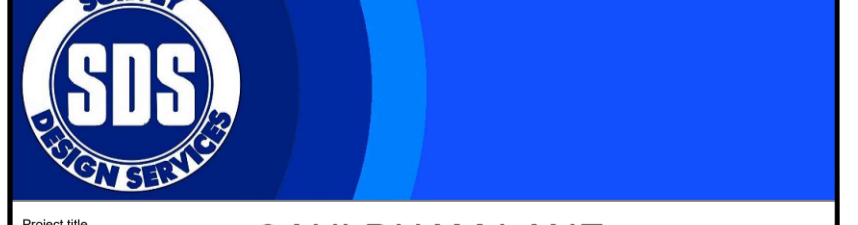
A SCALE FACTOR OF 1.000000 HAS BEEN APPLIED TO THIS DRAWING

GPR IS BASED ON GS DATUM OBTAINED FROM ACTIVE GPR NETWORK 'OSGB3615'

ALL KERB LEVELS ARE TAKEN IN CHANNEL

Rev.	Date	Description	By

Drawn by: **MP** Surveyed by: **MP** Checked by: **SDS**



Project title: **CAULDHAM LANE
CAPEL LE FERNE, CT18 7HG**

Drawing title: **TOPOGRAPHICAL
SURVEY**

Client: **QUINN ESTATES**

Drawing No: **SDS 208912.09** Revision: **—**

Scale 1:100 @ A1 Date: **MAY 2023** Sheet size: **A1**