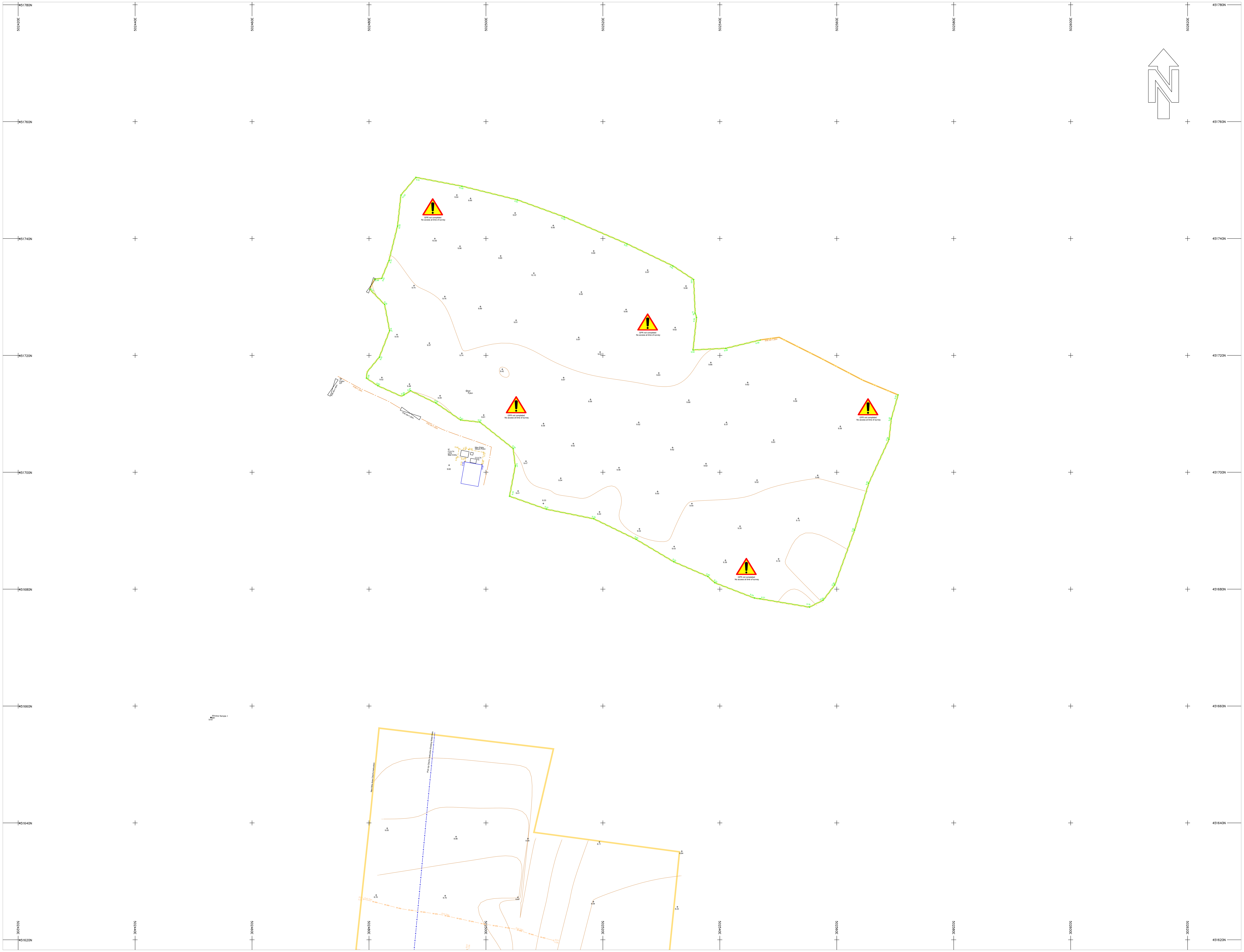
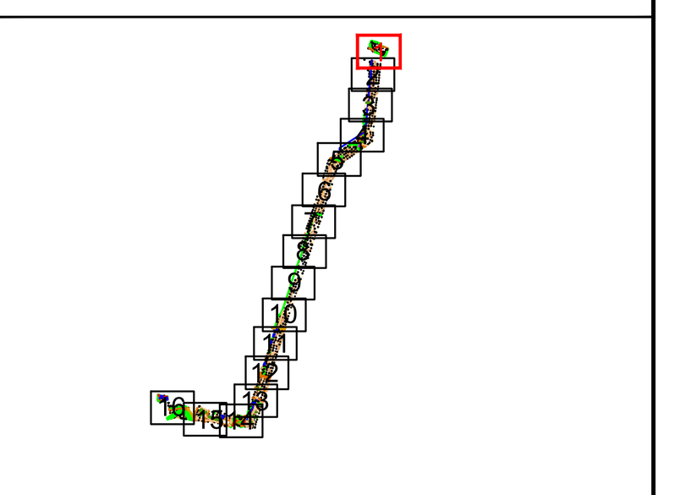


SHEET LAYOUT



TOPOGRAPHICAL LEGEND

Building
Building Canopy
Building Overhead
Surface Edge
Road Edge
Road Kerb Channel
Banking
Fence
Wall
Structure
Structure Overhead
Structure Underground
Vegetation Extents
Drainage Channel
Scar
Above Ground Pipe
Overhead Pipe
Overhead Electricity
Overhead Telecom
Railway Track
Contour Line

UTILITY LEGEND

Foul Drainage
Surface Drainage
Combined Drainage
Electricity
Overhead Electricity
Traffic Light System
Gas
Water
Telecommunications
Cable Television
Close Circuit Television
British Telecom
Overhead Telecom
Fibre Optics
Unknown
Ducting
Transport for London
GPR Image Position
GPR Ground Anomaly
GPR Geological Movement
GPR Reinforcement
GPR Underground Structure
GPR Underground Void
Survey Extents
Photo Position

ABBREVIATIONS

AC Asbestos Cement
ACU Air Conditioning Unit
AD Assumed Direction
AR Assumed Route
AV Air Valve
BB Belisha Beacon
BD Back Drop
BdL Bed Level
BH Borehole
Bk Brick
BL Basement Light
BO Bollard
BOC Bottom of Chamber
BR Brick
BS Bus Stop
BT British Telecom Cover
BTB British Telecom Box
BW Brick Wall
B/W Barbed Wire Fence
Cam Camera
CAT Catenary Level
C/B Close Boarded Fence
CC Control Cabinet
CCTV Close Circuit TV
CH Chainage
ChL Channel Level
CI Cast Iron
C/I Corrugated Iron Fence
CL Cover Level
C/L Chain Link Fence
CO Concrete
CP Catch Pit
CpL Coping Level
CTV Cable TV
CUL Culvert
CW Concrete Wall
DI Ductile Iron
dil Dilapidated
dis Disused
D/S Downstream
DSW Dry Stone Wall
EB Electricity Box
EC Electricity Cover
ED Empty Duct
E/F Electric Fence
EFP Electricity Feeder Pillar
EOT End of Trace
EP Electricity Pole
ER Earth Rod
FC Fuel Cover
FFL Finished Floor Level
FH Fire Hydrant
FO Fibre Optic Cover
FS Flag Staff
G Gully
GPRI Ground Penetrating Radar Inconclusive
GrL Ground Light
GV Gas Valve
H/R Hand Rail
HV High Voltage
IC Inspection Cover
IL Invert Level
I/R Iron Rail Fence
KO Kerb Outlet
LB Letter Box
LC Lighting Column
LH Lamp Hole
LOR Loss Of Reflection
LOS Loss Of Signal
MB Mooring Bollard
M/C Multiple Cables
MH Manhole Cover
Mkr Marker Post
MP Mile Post/Stone
NFI No Further Information
NM Node Marker
NP Name Plate
NPV No Pipes Visible
OSA Off Survey Area
P Post
PBM Permanent Bench Mark
PE Polyethylene
PGM Permanent Ground Marker
PL Plastic
P/L Palisade Fence
PM Parking Meter
P/R Post and Rail Fence
PS Poor Signal
PU Pump
PVC Polyvinylchloride
P/W Post and Wire Fence
PWR Power
PZ Piezometer
R Radio
RE Rodding Eye
Ri Riser
RL Roof Level
RP Reflector Post
RS Road Sign
RWP Rain Water Pipe
R/W Retaining Wall
S Stump
SA Survey Abandoned
S/A Soakaway
S/B Safety Barrier
SC Speed Camera
S/F Safety Fence
SI Spun Iron
SL Soffit Level
S/L Street Lighting (Electric)
SP Sign Post
Spr Spring
S/R Steel Railings
SS Sonde Stops
ST Stop Tap
STS Structural Support
Stn Survey Station
SV Sluice Valve
SVP Soil Vent Pipe
SW Stone Wall
Tac Tactile Paving
TBM Temporary Bench Mark
TC Telecom Cover
TCB Telephone Call Box
TCP Telephone Call Post
T/F Temporary Fence
TFR Taken From Records
TH Trial Hole / Pit
ThL Threshold Level
Tk Tank
TOW Top Of Wall
TP Telegraph Pole
TS Traffic Signals
TSC Traffic Signals Cover
U/S Upstream
UTGA Unable to Gain Access
UTL Unable to Locate
UTR Unable to Raise
UTS Unable to Survey
UTT Unable to Trace
VC Vitrified Clay
VDP Vehicle Detector Pad
VP Vent Pipe
VR Vapour Recovery
VTP Vertical Pipe
W Water Cover
WL Water Level
WM Water Meter
W/M Wire Mesh Fence
WO Wash Out
WS Window Sample
WV Wheel Valve

REV.	DETAILS	BY	DATE
A	Additional survey data added	VK	08 / 19

GRID: ORDNANCE SURVEY RELATED TO THE OS ACTIVE STATIONS BY GPS OBSERVATIONS

DATUM: ORDNANCE SURVEY RELATED TO THE OS ACTIVE STATIONS BY GPS OBSERVATIONS

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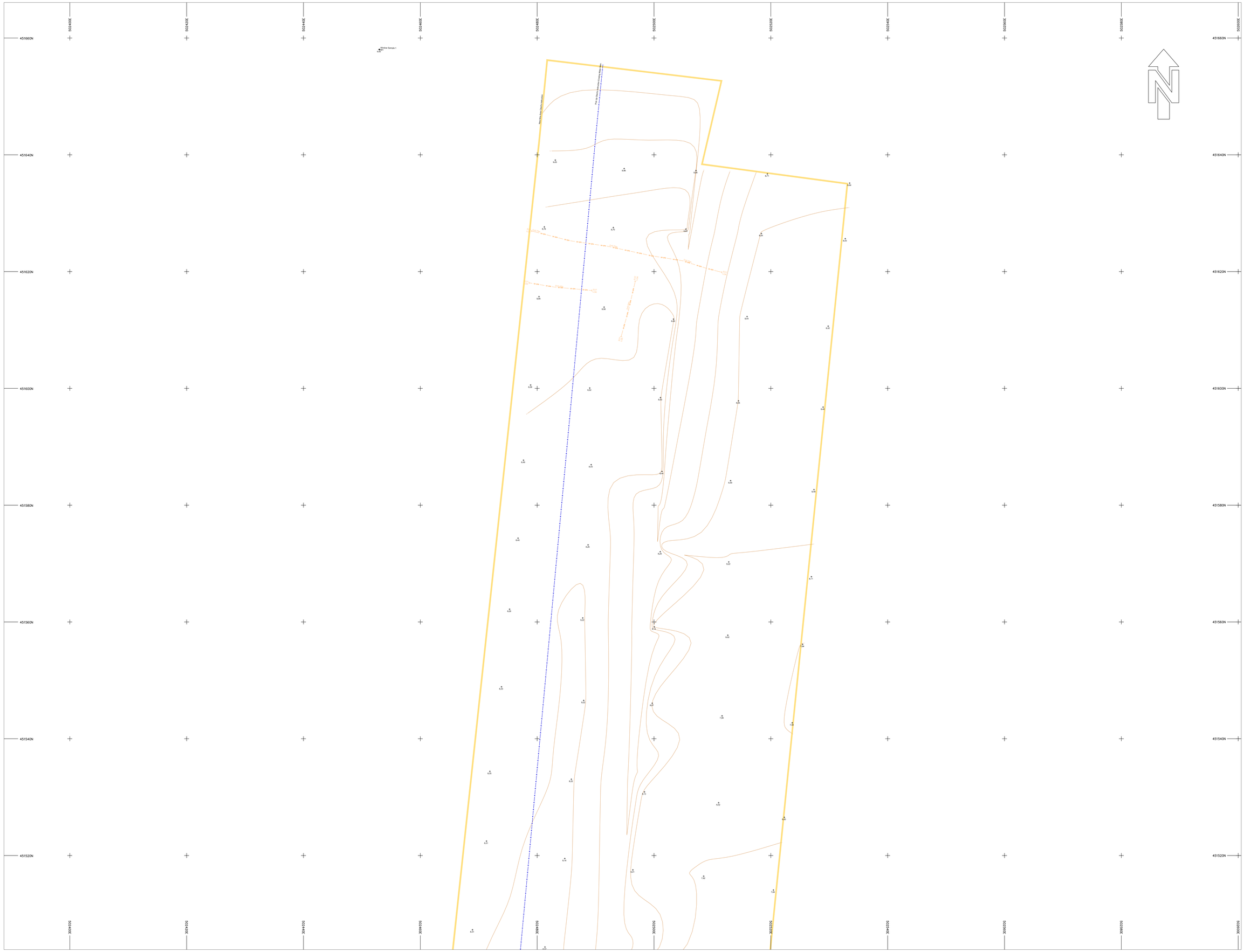
PROJECT TITLE:
HUTTON CRANSWICK

DRAWING TITLE:
TOPOGRAPHICAL AND GEOPHYSICAL SURVEY

SURVEYED BY: RE / MBW
DRAWN BY: VK
APPROVED BY: AG
SCALE: 1:200 @ A0
SURVEY DATE: 06/2019
DRAWING NUMBER: 1775_P_Rev.A
SHEET NUMBER: 1 of 16 A0
REV: A



SHEET LAYOUT

TOPOGRAPHICAL LEGEND

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- Building Canopy
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- Surface Edge
- Road Edge
- Road Kerb Channel
- Banking
- Fence
- Wall
- Structure
- Structure Overhead
- Structure Underground
- Vegetation Extents
- Drainage Channel
- Scar
- Above Ground Pipe
- Overhead Pipe
- Overhead Electricity
- Overhead Telecom
- Railway Track
- Contour Line

UTILITY LEGEND

- Foul Drainage
- Surface Drainage
- Combined Drainage
- Electricity
- Overhead Electricity
- Traffic Light System
- Gas
- Water
- Telecommunications
- Cable Television
- Close Circuit Television
- British Telecom
- Overhead Telecom
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- Unknown
- Ducting
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- GPR Image Position
- GPR Ground Anomaly
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- GPR Reinforcement
- GPR Underground Structure
- GPR Underground Void
- Survey Extents
- Photo Position

ABBREVIATIONS

AC	Asbestos Cement	FO	Fibre Optic Cover	SA	Survey Abandoned
ACU	Air Conditioning Unit	FS	Flag Staff	SAk	Stakeaway
AD	Assumed Direction	G	Gully	SrB	Safety Barrier
AR	Assumed Route	GPR	Ground Penetrating	SC	Speed Camera
BB	Bus Stop		Radar Reflective	SF	Soil Vent Pipe
BE	Belisha Beacon	GL	Ground Light	SI	Spun Iron
BD	Back Drop	GV	Gas Valve	SL	Soffit Level
BH	Bore Hole	HH	Hand Hole	SP	Sign Post
BH	Borehole	HV	High Voltage	SP	Sign Post
Bk	Brick	IC	Inspection Cover	Spr	Spring
BL	Bollard Light	IL	Invert Level	SS	Stone Settings
BO	Bollard	IR	Iron Rail Fence	SS	Sonde Stopk
BOC	Bottom of Chamber	KO	Kerb Outlet	ST	Stop Tap
BP	Bore Pile	LB	Letter Box	SV	Survey Support
BS	Bus Stop	LC	Lighting Column	Stn	Survey Station
BT	British Telecom Cover	LH	Lamp Hole	SV	Stulce Valve
BTB	British Telecom Box	LO	Loss Of Reflection	SW	Surface Water
BW	Brick Wall	LOS	Loss Of Signal	SW	Stone Wall
BWI	Barbed Wire Fence	MB	Mooring Bollard	Tac	Tactile Paving
CA	Cable Marker	MC	Multiple Cables	TBM	Temporary Bench Mark
CAT	Catenary Level	MH	Manhole Cover	TC	Telecom Cover
CB	Close Boarded Fence	MK	Marker Knob	TCB	Telecom Cover Box
CC	Control Cabinet	MP	Mile Post/Stone	TCP	Telephone Call Post
CCTV	Close Circuit TV	NFI	No Further Information	TJF	Temporary Fence
CH	Change	NK	Name Kerb	TKD	Top Of Kerb Upstands
CN	Channel Level	NP	Name Plate	TH	Trial Hole / Pit
CI	Cast Iron	NPI	No Pipes Visible	THL	Threshold Level
CL	Close Boarded Iron Fence	NPV	No Pipes Visible	TL	Top Of
CL	Cover Level	P	Post	TOW	Top Of Wall
CL	Chain Link Fence	PBM	Permanent Bench Mark	TP	Telegraph Pole
CO	Cable Outlet	PC	Pedestal Cover	TP	Trial Pit / Hole
CP	Catch Pit	PGM	Permanent Ground	TSC	Traffic Signals Cover
CW	Coping Level		Marker	UIS	Upstream
CL	Cover Level	PL	Pedestal Lamp	UAG	Unable to Gain Access
CUL	Culvert	PL	Palisade Fence	UTC	Unable to Locate
CW	Concrete Wall	PM	Parking Meter	UTR	Unable to Raise
DI	Ductile Iron	PR	Post and Rail Fence	UTS	Unable to Survey
DP	Disabled Person	PS	Post Support	UT	Unable to Trace
ds	Downstream	PU	Push Up	VC	Vent Column
DS	Downstream	PVC	Polyvinylchloride	VDP	Vehicle Detector Pad
EBW	Dry Stone Wall	PWF	Post and Wire Fence	VP	Vent Pipe
EC	Electricity Cover	PX	Pedestrian	VR	Vehicle Recovery
EC	Electricity Cover	PZ	Piezometer	VTP	Vertical Pipe
ED	Empty Duct	R	Radio	W	Water Cover
EF	Electricity Fuse	RE	Reflective Eye	WB	Water Boiler
EFP	Electricity Feeder Pillar	RI	Riser	WM	Water Meter
EOT	End of Trans	RL	Roof Level	WM	Wire Mesh Fence
ER	Earth Rod	RM	Rodding Point	WO	Wash Out
ER	Earth Rod	RS	Road Sign	WS	Window Sample
FC	Fuel Cover	RWP	Rain Water Pipe	WV	Wheel Valve
FCL	Finished Ground Level	SW	Screening Wall		
FH	Fire Hydrant	S	Stump		

REV.	DETAILS	BY	DATE
A	Additional survey data added	VK	08 / 19

GRID: ORDNANCE SURVEY RELATED TO THE OS ACTIVE STATIONS BY GPS OBSERVATIONS

DATUM: ORDNANCE SURVEY RELATED TO THE OS ACTIVE STATIONS BY GPS OBSERVATIONS

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BD23 2QR

PROJECT TITLE:

HUTTON CRANSWICK

DRAWING TITLE:

TOPOGRAPHICAL AND GEOPHYSICAL SURVEY

SURVEYED BY:	DRAWN BY:	APPROVED BY:
RE / MBW	VK	AG

SCALE:	SURVEY DATE:
1:200 @ A0	06/2019

DRAWING NUMBER: 1775_P_Rev.A

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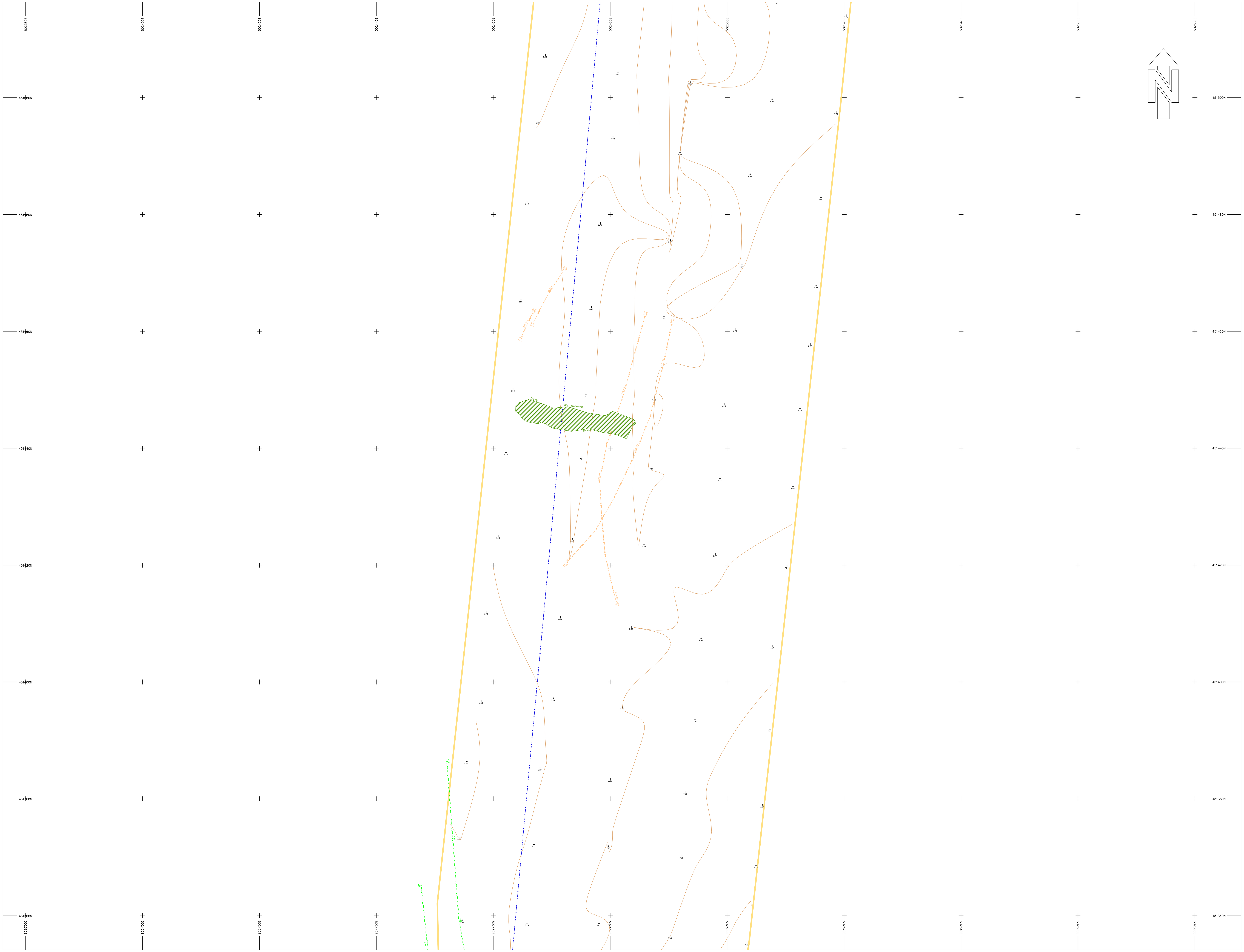
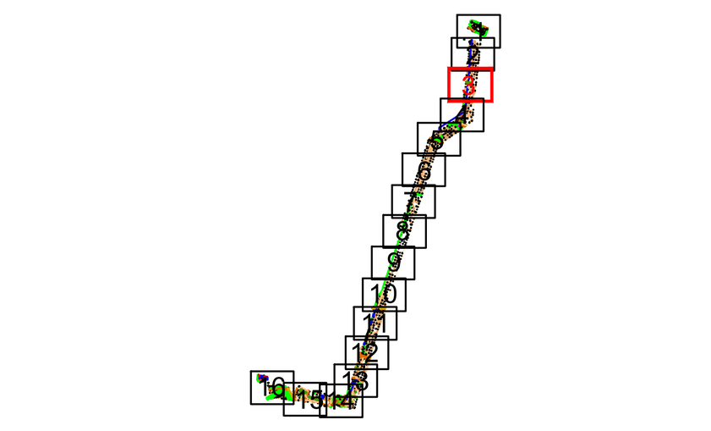
2 of 16 A0	A



SHEET LAYOUT



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- Building Canopy
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- Surface Edge
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- Road Kerb Channel
- Banking
- Fence
- Wall
- Structure
- Structure Overhead
- Structure Underground
- Vegetation Extents
- Drainage Channel
- Scar
- Above Ground Pipe
- Overhead Pipe
- Overhead Electricity
- Overhead Telecom
- Railway Track
- Contour Line

UTILITY LEGEND

- Foul Drainage
- Surface Drainage
- Combined Drainage
- Electricity
- Overhead Electricity
- Traffic Light System
- Gas
- Water
- Telecommunications
- Cable Television
- Close Circuit Television
- British Telecom
- Overhead Telecom
- Fibre Optics
- Unknown
- Ducting
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- GPR Image Position
- GPR Ground Anomaly
- GPR Geological Movement
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- GPR Underground Structure
- GPR Underground Void
- Survey Extents
- Photo Position

ABBREVIATIONS

AC	Asbestos Cement
ACU	Air Conditioning Unit
AD	Assumed Direction
AR	Assumed Route
AV	Air Valve
BB	Belisha Beacon
BD	Back Drop
BdL	Bed Level
BH	Borehole
Bk	Brick
BL	Basement Light
BO	Bollard
BOC	Bottom of Chamber
BR	Brick
BS	Bus Stop
BT	British Telecom Cover
BTB	British Telecom Box
BW	Brick Wall
B/W	Barbed Wire Fence
Cam	Camera
CAT	Catenary Level
C/B	Close Boarded Fence
CC	Control Cabinet
CCTV	Close Circuit TV
CH	Chainage
ChL	Channel Level
CI	Cast Iron
C/I	Corrugated Iron Fence
CL	Cover Level
C/L	Chain Link Fence
CO	Concrete
CP	Catch Pit
CpL	Coping Level
CTV	Cable TV
CUL	Culvert
CW	Concrete Wall
DI	Ductile Iron
dil	Dilapidated
dis	Disused
D/S	Downstream
DSW	Dry Stone Wall
EB	Electricity Box
EC	Electricity Cover
ED	Empty Duct
E/F	Electric Fence
EFP	Electricity Feeder Pillar
EOT	End of Trace
EP	Electricity Pole
ER	Earth Rod
FC	Fuel Cover
FFL	Finished Floor Level
FH	Fire Hydrant
FO	Fibre Optic Cover
FS	Flag Staff
G	Gully
GPRI	Ground Penetrating Radar Inconclusive
GrL	Ground Light
GV	Gas Valve
H/R	Hand Rail
HV	High Voltage
IC	Inspection Cover
IL	Invert Level
I/R	Iron Rail Fence
KO	Kerb Outlet
LB	Letter Box
LC	Lighting Column
LH	Lamp Hole
LOR	Loss Of Reflection
LOS	Loss Of Signal
MB	Mooring Bollard
M/C	Multiple Cables
MH	Manhole Cover
Mkr	Marker Post
MP	Mile Post/Stone
NFI	No Further Information
NM	Node Marker
NP	Name Plate
NPV	No Pipes Visible
OSA	Off Survey Area
P	Post
PBM	Permanent Bench Mark
PE	Polyethylene
PGM	Permanent Ground Marker
PL	Plastic
P/L	Palisade Fence
PM	Parking Meter
P/R	Post and Rail Fence
PS	Poor Signal
PU	Pump
PVC	Polyvinylchloride
P/W	Post and Wire Fence
PWR	Power
PZ	Piezometer
R	Radio
RE	Rodding Eye
Ri	Riser
RL	Roof Level
RP	Reflector Post
RS	Road Sign
RWP	Rain Water Pipe
R/W	Retaining Wall
S	Stump
SA	Survey Abandoned
S/A	Soakaway
S/B	Safety Barrier
SC	Speed Camera
S/F	Safety Fence
SI	Spun Iron
SL	Soffit Level
S/L	Street Lighting (Electric)
SP	Sign Post
Spr	Spring
S/R	Steel Railings
SS	Sonde Stops
ST	Stop Tap
STS	Structural Support
Stn	Survey Station
SV	Sluice Valve
SVP	Soil Vent Pipe
SW	Stone Wall
Tac	Tactile Paving
TBM	Temporary Bench Mark
TC	Telecom Cover
TCB	Telephone Call Box
TCP	Telephone Call Post
T/F	Temporary Fence
TFR	Taken From Records
TH	Trial Hole / Pit
ThL	Threshold Level
Tk	Tank
TOW	Top Of Wall
TP	Telegraph Pole
TS	Traffic Signals
TSC	Traffic Signals Cover
U/S	Upstream
UTGA	Unable to Gain Access
UTL	Unable to Locate
UTR	Unable to Raise
UTS	Unable to Survey
UTT	Unable to Trace
VC	Vitrified Clay
VDP	Vehicle Detector Pad
VP	Vent Pipe
VR	Vapour Recovery
VTP	Vertical Pipe
W	Water Cover
WL	Water Level
WM	Water Meter
W/M	Wire Mesh Fence
WO	Wash Out
WS	Window Sample
WV	Wheel Valve

REV.	DETAILS	BY	DATE
A	Additional survey data added	VK	08 / 19

GRID: ORDNANCE SURVEY RELATED TO THE OS ACTIVE STATIONS BY GPS OBSERVATIONS

DATUM: ORDNANCE SURVEY RELATED TO THE OS ACTIVE STATIONS BY GPS OBSERVATIONS

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BD23 2QR

PROJECT TITLE:
HUTTON CRANSWICK

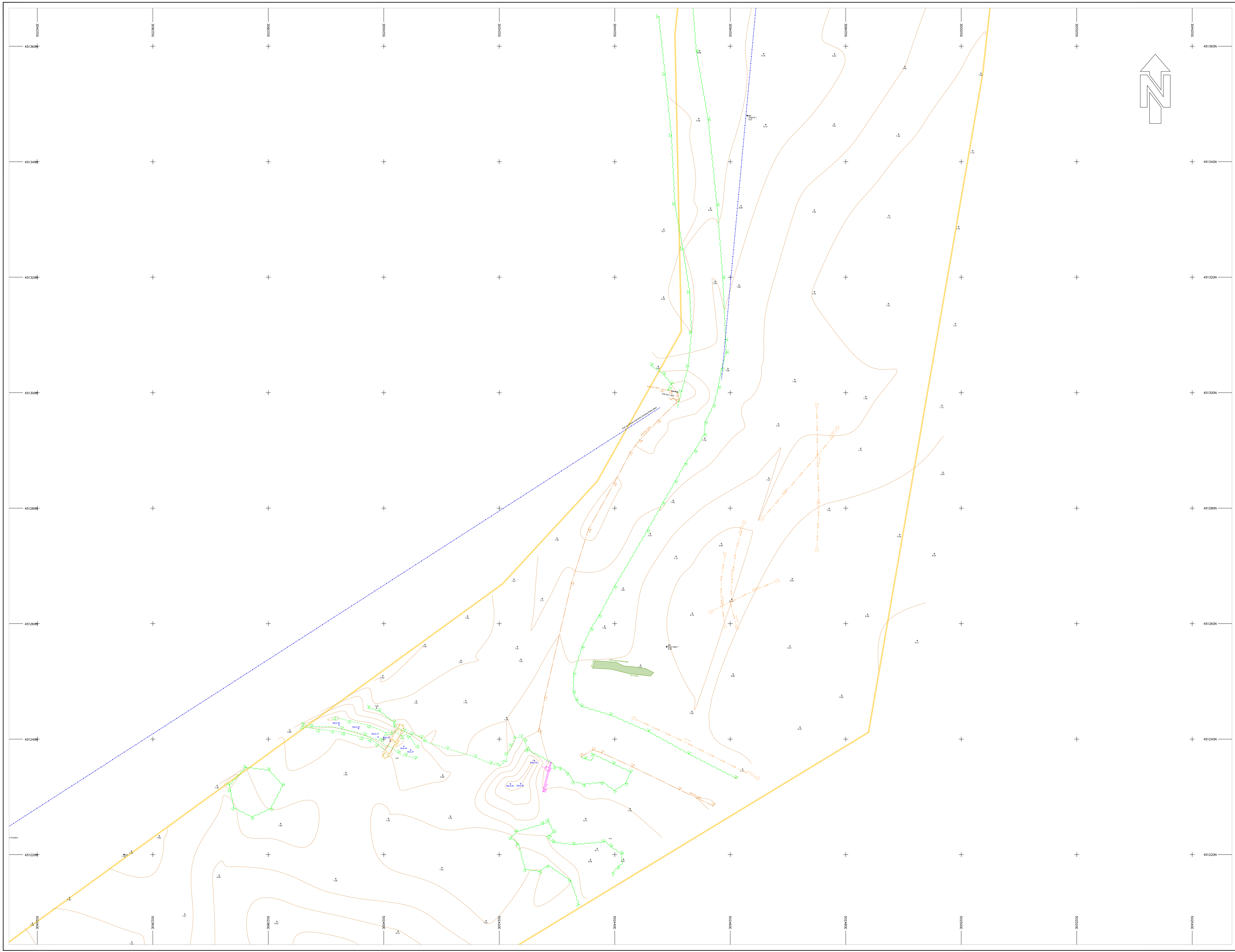
DRAWING TITLE:
TOPOGRAPHICAL AND GEOPHYSICAL SURVEY

SURVEYED BY:	DRAWN BY:	APPROVED BY:
RE / MBW	VK	AG

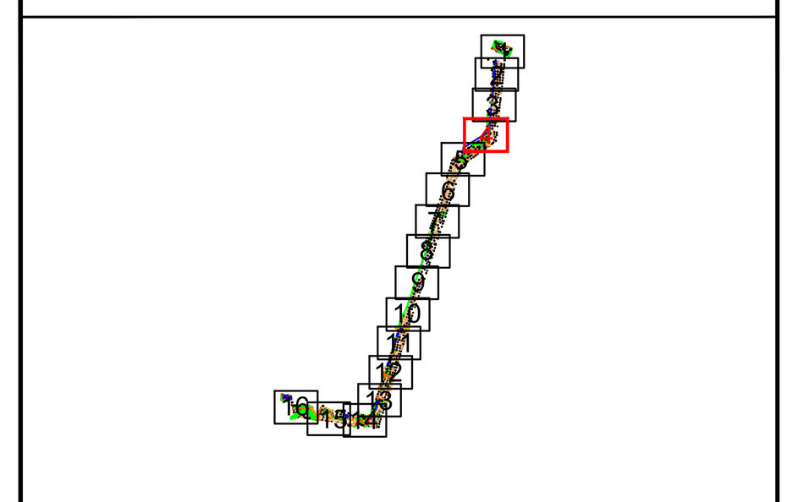
SCALE: 1:200 @ A0 SURVEY DATE: 06/2019

DRAWING NUMBER: 1775_P_Rev.A

SHEET NUMBER: 3 of 16 A0 REV: A



SHEET LAYOUT



TOPOGRAPHICAL LEGEND

Building
Building Canopy
Building Overhead
Surface Edge
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Banking
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Structure Underground
Vegetation Extents
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PM Parking Meter
P/R Post and Rail Fence
PS Poor Signal
PU Pump
PVC Polyvinylchloride
P/W Post and Wire Fence
PWR Power
PZ Piezometer
R Radio
RE Rodding Eye
Ri Riser
RL Roof Level
RP Reflector Post
RS Road Sign
RWP Rain Water Pipe
R/W Retaining Wall
S Stump

SA Survey Abandoned
S/A Soakaway
S/B Safety Barrier
SC Speed Camera
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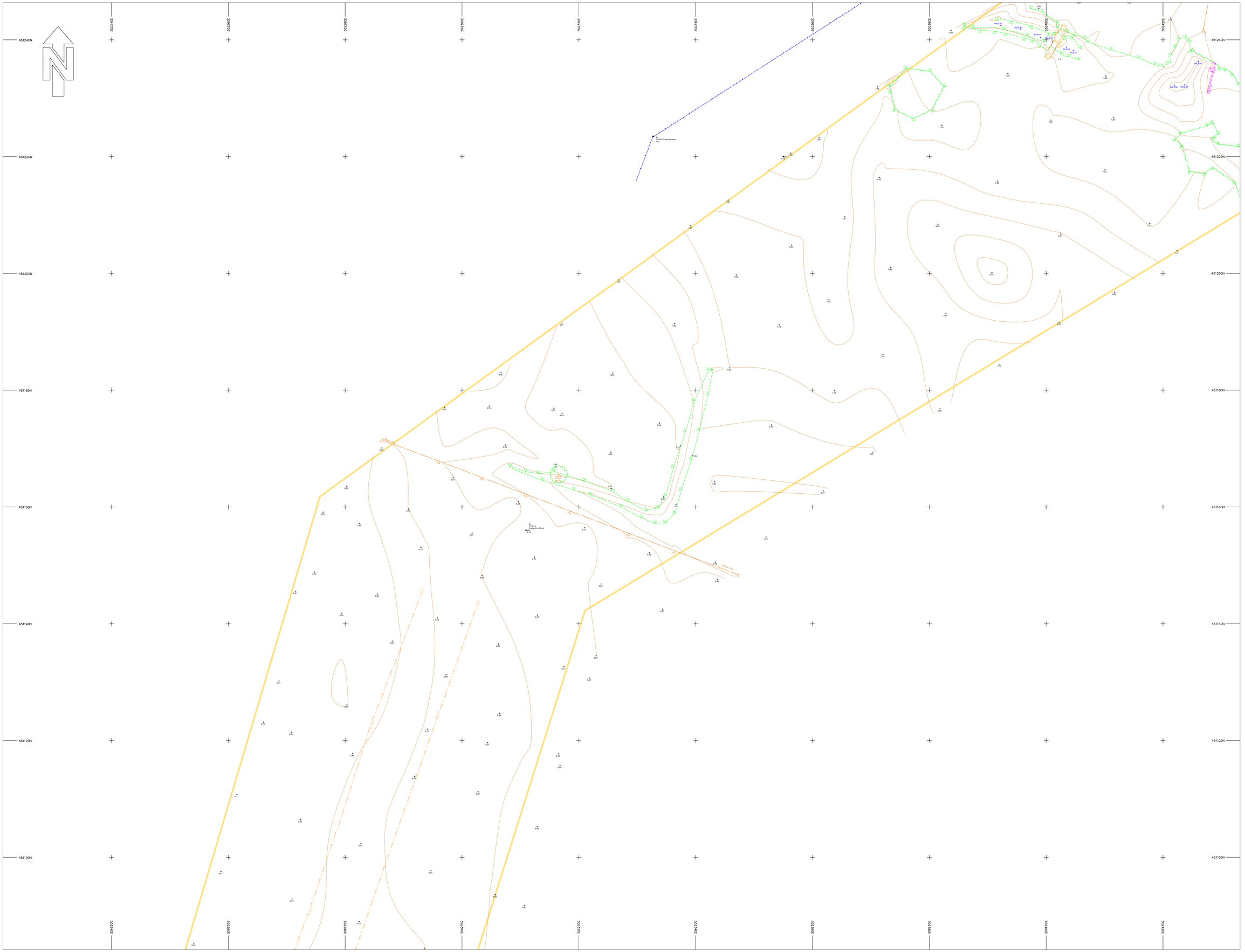

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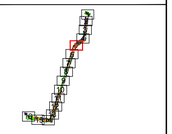

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BO	Bollard	IR	Iron Rail Fence	SS	Soakaway
BOC	Bottom of Chamber	KO	Kerb Outlet	ST	Stop Tap
BP	Bus Pole	LB	Letter Box	STA	Structural Support
BS	Bus Stop	LC	Lighting Column	STS	Structural Support
BT	British Telecom Cover	LH	Lamp Hole	SV	Stop Valve
BTB	British Telecom Box	LL	Loss Of Reflection	SVP	Soil Vent Pipe
BW	Brick Wall	LOS	Loss Of Signal	TA	Traffic Arrow
BWF	Barbed Wire Fence	MB	Mooring Bollard	Tac	Tactile Paving
Cam	Camera	MC	Multiple Cables	TBM	Temporary Bench Mark
CL	Centreline Level	MH	Manhole Cover	TC	Traffic Counter
CIB	Close Boarded Fence	Mk	Marker Post	TCB	Telephone Call Box
CC	Control Cabinet	MP	Mile Post/Stone	TCP	Telephone Call Post
CCTV	Close Circuit TV	NAI	Not Accessible/ Inviable	TF	Timber Fence
CH	Chainage	NM	Noise Monitor	TFR	Telkom Form Records
CNL	Channel Level	NP	Name Plate	Tm	Trial Hole / Pit
CP	Cash Point	OHL	Overhead Cable	TOC	Top Chamber Level
CS	Corrugated Iron Fence	OSA	Off Survey Area	Tk	Tank
CL	Cover Level	P	Post	TOW	Top Of Wall
CLF	Chain Link Fence	PBM	Permanent Bench Mark	TP	Telegraph Pole
CO	Concrete	PE	Polyethylene	TS	Traffic Signals
CP	Catch Pit	PGM	Permanent Ground	TSC	Traffic Signals Cover
CTL	Control Level		Marker	UP	Upstand
CTV	Cable TV	PL	Plastic	UTC	Unable to Gain Access
CUL	Culvert	PFL	Palisade Fence	UTL	Unable to Locate
CW	Concrete Wall	PM	Parking Meter	UTR	Unable to Raise
DI	Ductile Iron	PR	Post and Rail Fence	UTS	Unable to Survey
dm	Distribution	PS	Post and Strut	VA	Vehicle Activity
DIS	Disused	PU	Pump	VC	Vitrified Clay
DSL	Downstream	PVC	Polyvinylchloride	VDP	Vehicle Detector Pad
DSW	Dry Stone Wall	PWF	Post and Wire Fence	VP	Vent Pipe
EB	Electricity Box	PWR	Power	VR	Vapour Recovery
EC	Electricity Cover	PZ	Piezometer	VTP	Vertical Pipe
EF	Earth Fence	R	Radius	WA	Water Level
EIF	Electric Fence	RE	Rodding Eye	WL	Water Level
EPP	Electricity Feeder Pillar	RI	Road Light	WM	Water Meter
ER	Earth Rod	RL	Reduced Level	WPF	Wooden Post Fence
EP	Electricity Pole	RP	Reflector Post	WO	Wash Out
ER	Earth Rod	RS	Road Sign	WS	Window Sample
FB	Fuse Box	RWP	Rainwater Pipe	WV	Wheel Valve
FFL	Finished Floor Level	RW	Retaining Wall		
FH	Fire Hydrant	S	Stump		

REV	DETAILS	BY	DATE
A	Additional survey data added	VK	08 / 19

GRID: ORDNANCE SURVEY RELATED TO THE OS ACTIVE STATIONS BY GPS OBSERVATIONS

DATUM: ORDNANCE SURVEY RELATED TO THE OS ACTIVE STATIONS BY GPS OBSERVATIONS

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PROJECT TITLE:

HUTTON CRANSWICK

DRAWING TITLE:

TOPOGRAPHICAL AND GEOPHYSICAL SURVEY

SURVEYED BY:	DRAWN BY:	APPROVED BY:
RE / MBW	VK	AG

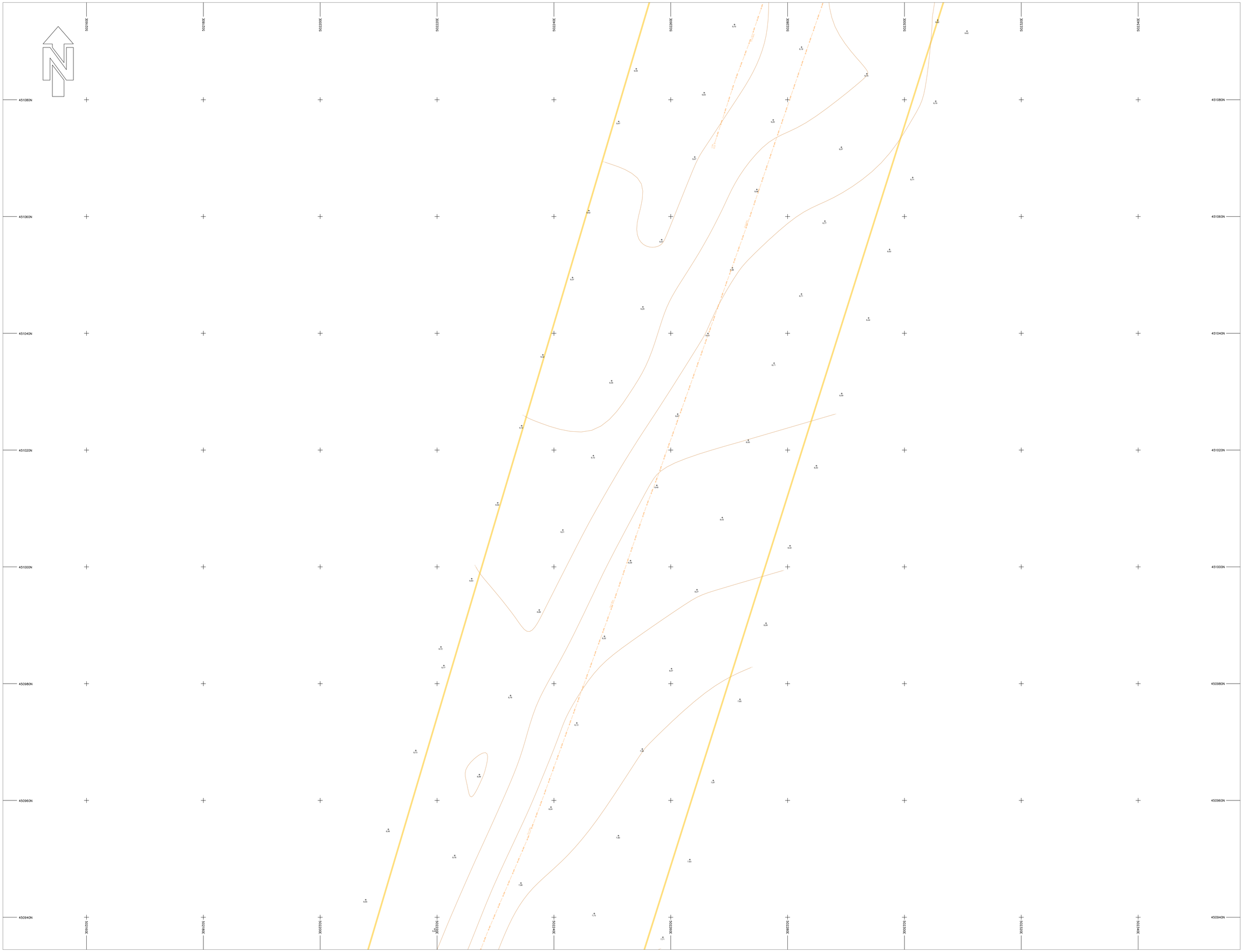
SCALE: 1:200 @ A0

SURVEY DATE: 06/2019

DRAWING NUMBER: 1775_P_Rev A

SHEET NUMBER: 5 of 16 A0

REV: A



SHEET LAYOUT

TOPOGRAPHICAL LEGEND

Building
Building Canopy
Building Overhead
Surface Edge
Road Edge
Road Kerb/ Channel
Banking
Fence
Wall
Structure
Structure Overhead
Structure Underground
Vegetation Extents
Drainage Channel
Scar
Above Ground Pipe
Overhead Pipe
Overhead Electricity
Overhead Telecom
Railway Track
Contour Line

UTILITY LEGEND

Foul Drainage
Surface Drainage
Combined Drainage
Electricity
Overhead Electricity
Traffic Light System
Gas
Water
Telecommunications
Cable Television
Close Circuit Television
British Telecom
Overhead Telecom
Fibre Optics
Unknown
Ducting
Transport for London
GPR Image Position
GPR Ground Anomaly
GPR Geological Movement
GPR Reinforcement
GPR Underground Structure
GPR Underground Void
Survey Extents
Photo Position

ABBREVIATIONS

AC	Asbestos Cement	FC	Fibre Optic Cover	SA	Survey Abandoned
ACU	Air Conditioning Unit	FS	Flag Staff	SA	Stableway
AD	Assumed Direction	G	Gully	SB	Safety Barrier
AR	Assumed Route	GPR	Ground Penetrating	SC	Speed Camera
BB	Bollard		Radar Survey Line	SD	Soil Vent Pipe
BE	Belisha Beacon	GL	Ground Light	SI	Spun Iron
BD	Back Drop	GV	Gas Valve	SL	Soffit Level
BH	Borehole	HC	Hand Hole	SP	Sign Post
BH	Bowshaw	HV	High Voltage	SP	Sign Post
Bk	Brick	IC	Inspection Cover	Spr	Spring
BL	Bollard Light	IL	Invert Level	SS	Stone Settings
BO	Bollard	IR	Iron Rail Fence	SS	Sonde Stack
BOC	Bottom of Chamber	KO	Kerb Outlet	ST	Stop Tap
BP	Bore Pipe	LC	Lamp Column	SV	Survey Support
BS	Bus Stop	LC	Lighting Column	Stn	Survey Station
BT	British Telecom Cover	LH	Lamp Hole	SV	Stulce Valve
BTB	British Telecom Box	LR	Loss Of Reflection	SW	Surface Water
BW	Brick Wall	LOS	Loss Of Signal	SW	Stone Wall
BWI	Barbed Wire Fence	MB	Mooring Bollard	Tac	Tactile Paving
CA	Cable Marker	MC	Multiple Cables	TBM	Temporary Bench Mark
CAT	Catenary Level	MH	Manhole Cover	TC	Telecom Cover
CB	Close Boarded Fence	MH	Manhole Cover	TCB	Telephone Call Box
CC	Control Cabinet	MP	Mile Post/Stone	TCP	Telephone Call Post
CCTV	Close Circuit TV	NFI	No Further Information	TJF	Temporary Fence
CH	Chainage	NM	Name Plate	TM	Temporary Monuments
CN	Channel Level	NP	Name Plate	TH	Trial Hole / Pit
CI	Cast Iron	NPV	No Pipes Visible	THL	Threshold Level
CL	Chain Linked Iron Fence	PA	Parking Area	TL	Top Level
CL	Cover Level	PAD	Pad	TOW	Top Of Wall
CL	Chain Link Fence	PBM	Permanent Bench Mark	TP	Telegraph Pole
CO	Clean Out	PC	Permanent Control	TP	Traffic Signals Pole
CP	Catch Pit	PDM	Permanent Ground	TSC	Traffic Signals Cover
CW	Coping Level		Marker	UIS	Upstream
CW	Coping Stone	PL	Pipe Level	UAG	Unable to Gain Access
CUL	Culvert	PL	Palisade Fence	UTC	Unable to Locate
CW	Concrete Wall	PM	Parking Meter	UTR	Unable to Raise
DI	Ductile Iron	PO	Post and Rail Fence	UTS	Unable to Survey
DI	Disabled	PS	Post Sign	UT	Unable to Trace
ds	Downpipe	PU	Push Up	VC	Vehicle Count
DS	Downstream	PVC	Polyvinylchloride	VDP	Vehicle Detector Pad
DSW	Dry Stone Wall	PWF	Post and Wire Fence	VP	Valve Pipe
EB	Electricity Box	PY	Pay Point	VR	Vehicle Recovery
EC	Electricity Cover	PZ	Piezometer	VTP	Vertical Pipe
ED	Empty Duct	R	Radio	W	Water Cover
EG	Electricity Guard	RE	Reflective Eye	WB	Water Boiler
EPP	Electricity Feeder Pillar	RI	River	WM	Water Meter
EOT	End of Trace	RL	Roof Level	WM	Wire Mesh Fence
ER	Earth Rod	RM	Rodding Point	WP	Wood Post
ER	Earth Rod	RS	Road Sign	WS	Window Sample
FC	Fuel Cover	RWP	Rain Water Pipe	WV	Wheel Valve
FL	Flood Water Level	SW	Screening Wall		
FH	Fire Hydrant	S	Stump		

REV.	DETAILS	BY	DATE
A	Additional survey data added	UK	08 / 13

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HUTTON CRANSWICK

DRAWING TITLE:
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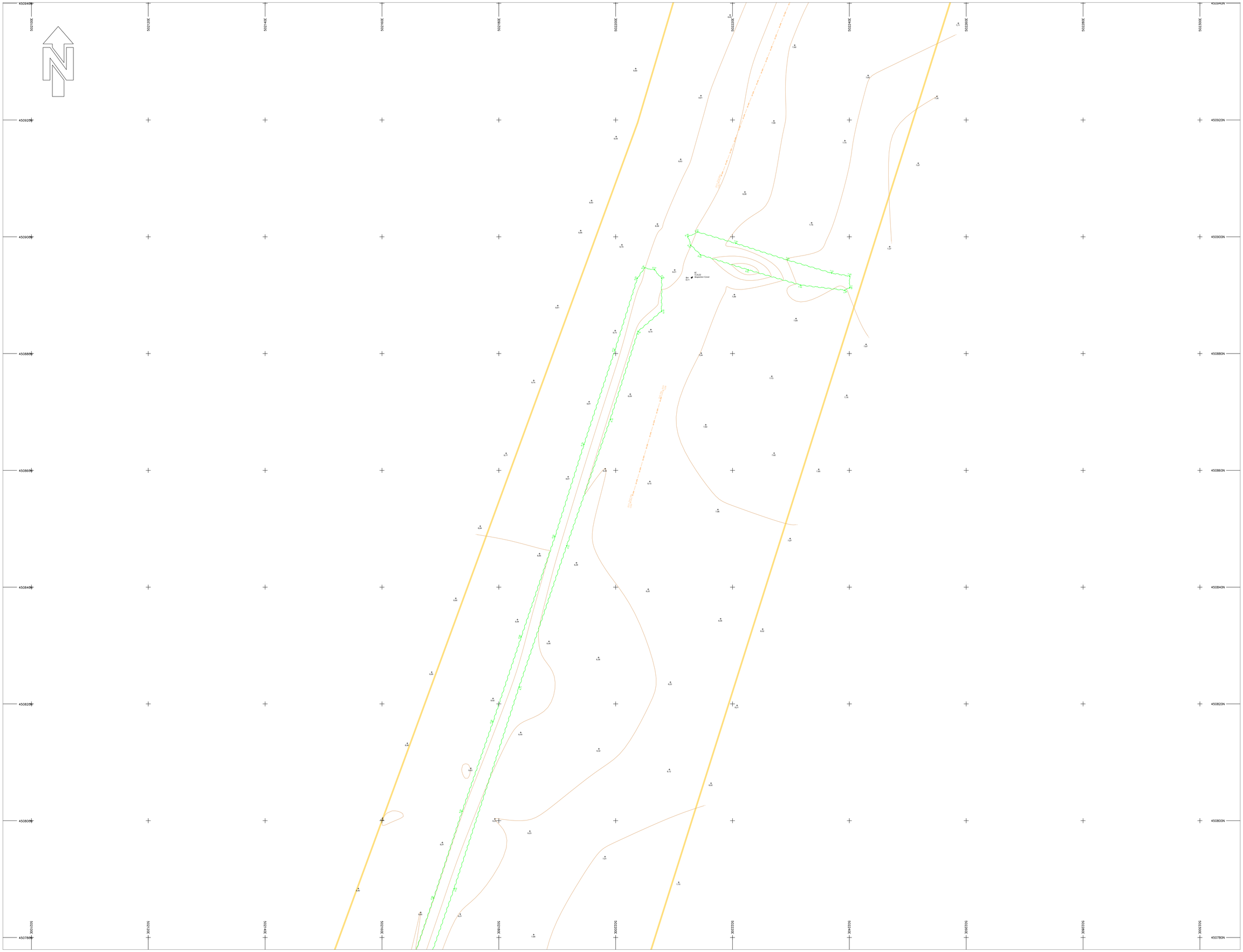
RE / MBW	VK	AG

SCALE: 1:200 @ A0
SURVEY DATE: 06/2019
DRAWING NUMBER: 1775_P_Rev.A
SHEET NUMBER: 6 of 16 A0
REV: A



SHEET LAYOUT

TOPOGRAPHICAL LEGEND

- Building
- Building Canopy
- Building Overhead
- Surface Edge
- Road Edge
- Road Kerb/ Channel
- Banking
- Fence
- Wall
- Structure
- Structure Overhead
- Structure Underground
- Vegetation Extents
- Drainage Channel
- Scar
- Above Ground Pipe
- Overhead Pipe
- Overhead Electricity
- Overhead Telecom
- Railway Track
- Contour Line

UTILITY LEGEND

- Foul Drainage
- Surface Drainage
- Combined Drainage
- Electricity
- Overhead Electricity
- Traffic Light System
- Gas
- Water
- Telecommunications
- Cable Television
- Close Circuit Television
- British Telecom
- Overhead Telecom
- Fibre Optics
- Unknown
- Ducting
- Transport for London
- GPR Image Position
- GPR Ground Anomaly
- GPR Geological Movement
- GPR Reinforcement
- GPR Underground Structure
- GPR Underground Void
- Survey Extents
- Photo Position

ABBREVIATIONS

AC	Asbestos Cement	FC	Fibre Optic Cover	SA	Survey Abandoned
ACU	Air Conditioning Unit	FS	Flag Staff	SHL	Stableway
AD	Assumed Direction	G	Gully	SrB	Safety Barrier
AR	Assumed Route	GPR	Ground Penetrating	SC	Speed Camera
BB	Bus Stop		Radar Interpretive	SD	Soil Vent Pipe
BE	Beltaine Beacon	GL	Ground Light	SI	Spun Iron
BD	Back Drop	GV	Gas Valve	SL	Soffit Level
BH	Bore Hole	HG	Hedge	SP	Signal Post
BH	Bollards	HV	High Voltage	SP	Sign Post
Bk	Brick	IC	Inspection Cover	Spr	Spring
BO	Bollard Light	IL	Invert Level	SS	Stone Settings
BO	Bollard	IR	Iron Rail Fence	SS	Sonde Stops
BOC	Bottom of Chamber	KO	Kerb Outlet	ST	Stop Tap
BP	Bore Pile	LB	Letter Box	SU	Survey Support
BS	Bus Stop	LC	Lighting Column	Stn	Survey Station
BT	British Telecom Cover	LH	Lamp Hole	SV	Stulce Valve
BT	British Telecom Box	LO	Loss Of Reflection	SW	Surface Water
BW	Brick Wall	LOS	Loss Of Signal	SW	Stone Wall
BWR	Barbed Wire Fence	MB	Missing Bollard	Tac	Tactile Paving
CA	Compressed Air	MC	Multiple Cables	TBM	Temporary Bench Mark
CAT	Catenary Level	MH	Manhole Cover	TC	Telecom Cover
CB	Control Cabinet	MH	Manhole Cover	TCB	Telecom Call Box
CC	Control Cabinet	MP	Mile Post/Stone	TCP	Telephone Call Post
CCTV	Close Circuit TV	NFI	No Further Information	TJF	Temporary Fence
CH	Change	NM	Name Plate	TOB	Top Of Bank/Kerb
CN	Channel Level	NP	Name Plate	TH	Trial Hole / Pit
CI	Cast Iron	NPV	No Pipes Visible	THL	Trialshold Level
CL	Close Boarded Iron Fence	NVA	No Survey Area	TL	Tank
CL	Cover Level	P	Post	TOW	Top Of Wall
CL	Chain Link Fence	PBM	Permanent Bench Mark	TP	Telegraph Pole
CO	Cleaning Eye	PC	Pedestal Cover	TP	Traffic Signals Pole
CP	Catch Pit	PDM	Permanent Ground Marker	TSC	Traffic Signals Cover
CW	Coping Level	PL	Pedestrian Guard Rails	UIS	Upstream
CW	Concrete Wall	PL	Palisade Fence	UAG	Unable to Gain Access
CUL	Culvert	PS	Parking Meter	UTC	Unable to Locate
CW	Concrete Wall	PM	Post and Rail Fence	UTR	Unable to Raise
DI	Ductile Iron	PR	Post and Wire Fence	UTS	Unable to Survey
DI	Disabled	PS	Push Switch	UT	Unable to Trace
ds	Downstream	PU	Push Up	VC	Vent Column
DS	Downstream	PVC	Polyvinylchloride	VDP	Vehicle Detector Pad
DSW	Dry Stone Wall	PWF	Post and Wire Fence	VP	Vent Pipe
EB	Electricity Box	PY	Pipe Yard	VR	Vehicle Recovery
EC	Electricity Cover	PZ	Piezometer	VTP	Vertical Pipe
ED	Empty Duct	R	Radio	W	Water Cover
EG	Earth Gauge	RE	Reference Eye	WB	Weather Box
EPP	Electricity Feeder Pillar	RI	River	WM	Water Meter
EOT	End of Titans	RL	Roof Level	WM	Wire Mesh Fence
ER	Earth Rod	RM	Reference Mark	WP	Wood Pile
ER	Earth Rod	RS	Road Sign	WS	Window Sample
FC	Fuel Cover	RWP	Rain Water Pipe	WV	Wheel Valve
FL	Floodlight Level	SW	Screen Wall		
FH	Fire Hydrant	S	Stump		

REV.	DETAILS	BY	DATE
A	Additional survey data added	VK	08 / 19

GRID: ORDNANCE SURVEY RELATED TO THE OS ACTIVE STATIONS BY GPS OBSERVATIONS

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BD23 2QR

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HUTTON CRANSWICK

DRAWING TITLE:

TOPOGRAPHICAL AND GEOPHYSICAL SURVEY

SURVEYED BY:	DRAWN BY:	APPROVED BY:
RE / MBW	VK	AG

SCALE:	SURVEY DATE:
1:200 @ A0	06/2019

DRAWING NUMBER: 1775_P_Rev.A

SHEET NUMBER: 7 of 16 A0

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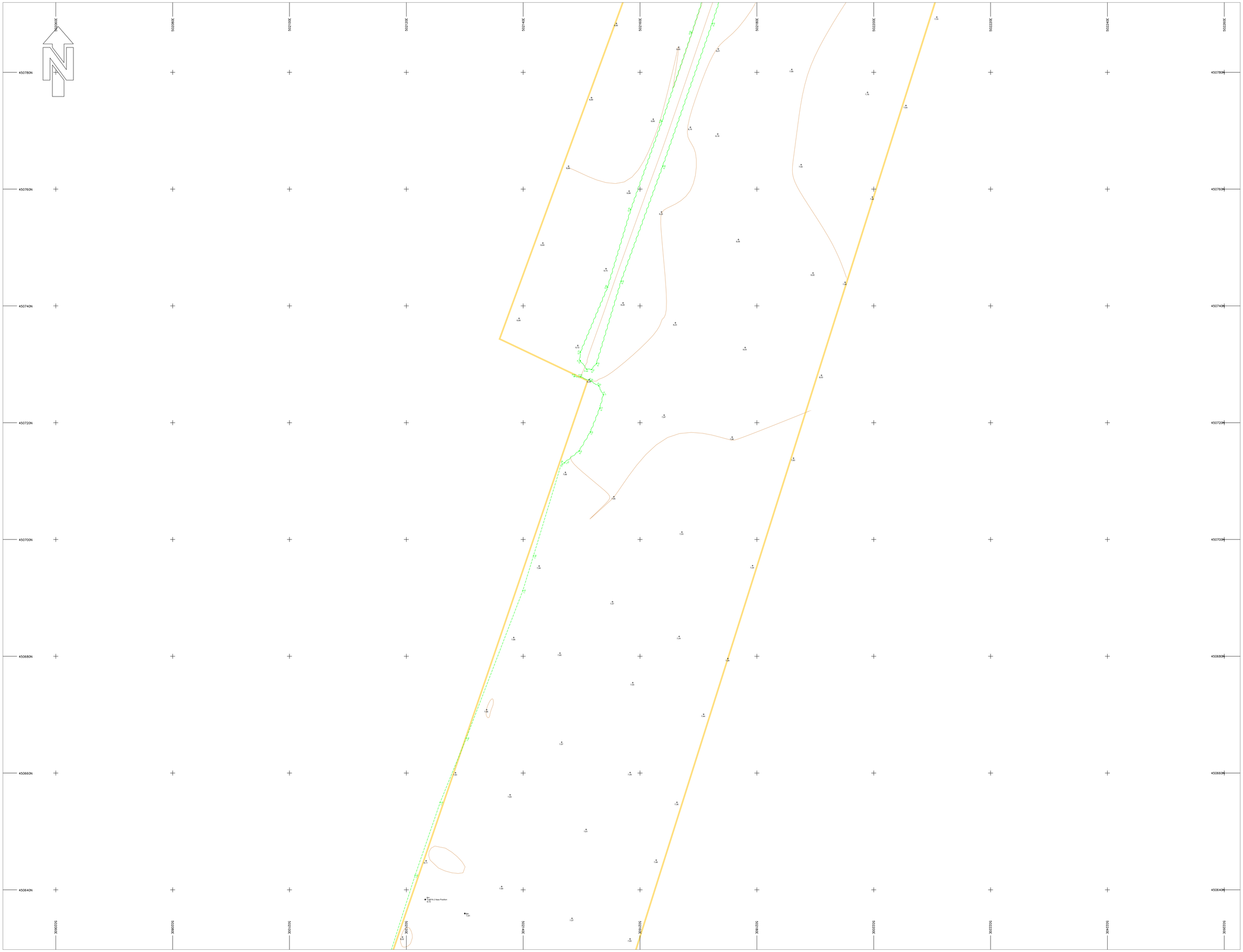
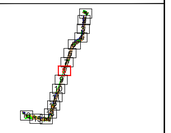


SHEET LAYOUT



TOPOGRAPHICAL LEGEND

- Building
- Building Canopy
- Building Overhead
- Surface Edge
- Road Edge
- Road Kerb Channel
- Banking
- Fence
- Wall
- Structure
- Structure Overhead
- Structure Underground
- Vegetation Extents
- Drainage Channel
- Scar
- Above Ground Pipe
- Overhead Pipe
- Overhead Electricity
- Overhead Telecom
- Railway Track
- Contour Line

UTILITY LEGEND

- Foul Drainage
- Surface Drainage
- Combined Drainage
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- Overhead Electricity
- Traffic Light System
- Gas
- Water
- Telecommunications
- Cable Television
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- Overhead Telecom
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- GPR Image Position
- GPR Ground Anomaly
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- GPR Underground Void
- Survey Extents
- Photo Position

ABBREVIATIONS

AC	Asbestos Cement	FC	Fibre Optic Cover	SA	Survey Abandoned
ACU	Air Conditioning Unit	FS	Flag Staff	SHA	Stakeawy
AD	Assumed Direction	G	Gully	SrB	Safety Barrier
AR	Assumed Route	GPR	Ground Penetrating	SC	Speed Camera
BB	Bus Stop		Radar Reflective	SD	Soil Vent Pipe
BE	Belisha Beacon	GL	Ground Light	SI	Spun Iron
BD	Back Drop	GV	Gas Valve	SL	Soffit Level
BH	Bore Hole	HH	Hand Hole	SP	Signal Pole
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REV.	DETAILS	BY	DATE
A	Additional survey data added	VK	08 / 19

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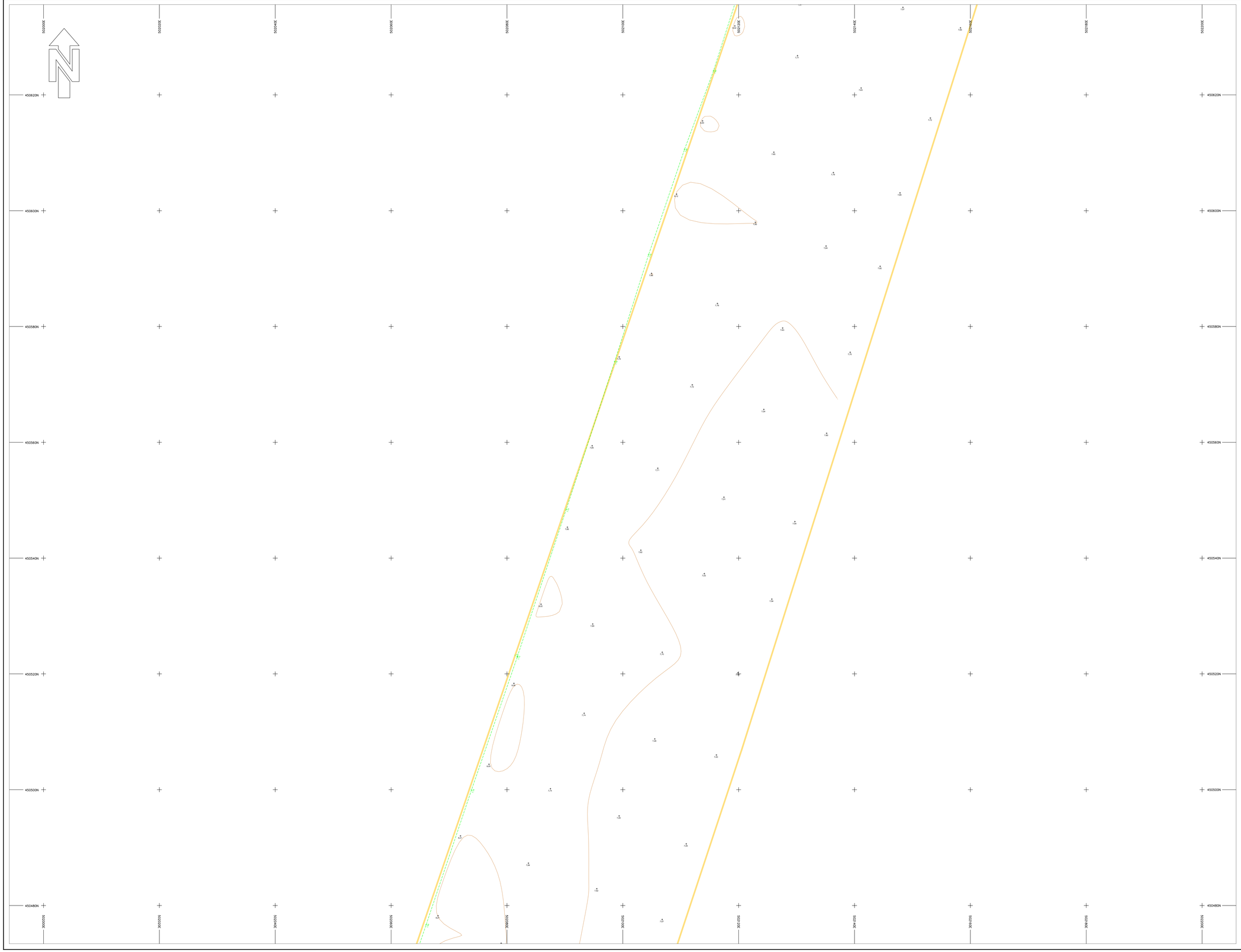

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CT	Cable Level		Mark	TW	Trough
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CUL	Culvert	PL	Palisade Fence	UTL	Unable to Locate
CW	Concrete Wall	PO	Post and Wire Fence	UTO	Unable to Open
DI	Ductile Iron	PR	Post and Rail Fence	UTS	Unable to Survey
dil	Dilapidated	PS	Poor Signal	UTT	Unable to Trace
DL	Dish Link	PV	Pole Valve	VC	Vehicle Counter
DS	Downstream	PVC	Polyvinylchloride	VDP	Vehicle Detector Pad
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REV.	DETAILS	BY	DATE
A	Additional survey data added	VK	08 / 19

GRID: ORDNANCE SURVEY RELATED TO THE OS ACTIVE STATIONS BY GPS OBSERVATIONS

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KEIGHLEY ROAD
SKIPTON
BD23 2QR

PROJECT TITLE:

HUTTON CRANSWICK

DRAWING TITLE:

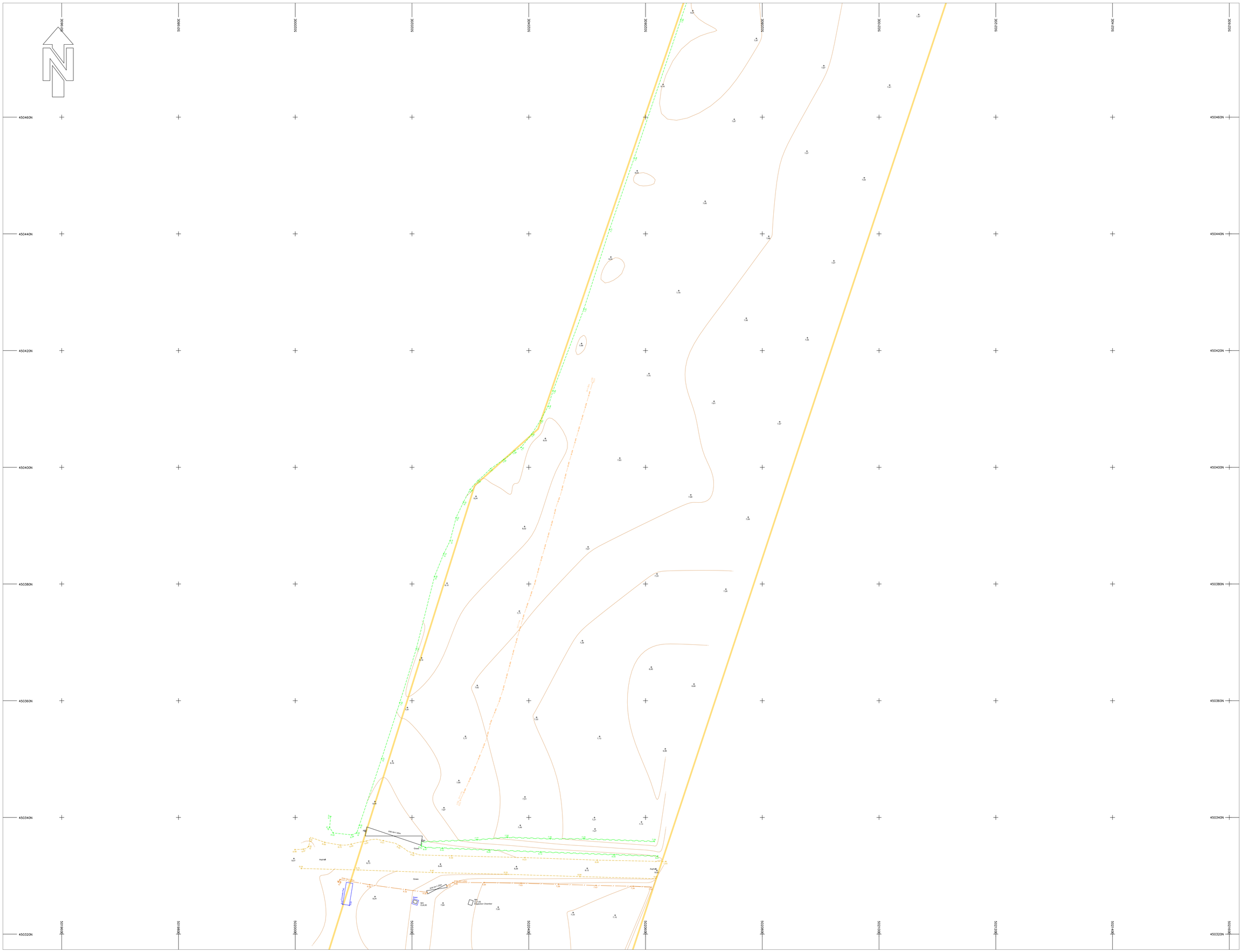
TOPOGRAPHICAL AND GEOPHYSICAL SURVEY

SURVEYED BY:	DRAWN BY:	APPROVED BY:
RE / MBW	VK	AG

SCALE:	SURVEY DATE:
1:200 @ A0	06/2019

DRAWING NUMBER: 1775_P_Rev A

SHEET NUMBER: 9 of 16 A0 | REV.: A



SHEET LAYOUT

TOPOGRAPHICAL LEGEND

- Building
- Building Canopy
- Building Overhead
- Surface Edge
- Road Edge
- Road Kerb Channel
- Banking
- Fence
- Wall
- Structure
- Structure Overhead
- Structure Underground
- Vegetation Extents
- Drainage Channel
- Scar
- Above Ground Pipe
- Overhead Pipe
- Overhead Electricity
- Overhead Telecom
- Railway Track
- Contour Line

UTILITY LEGEND

- Foul Drainage
- Surface Drainage
- Combined Drainage
- Electricity
- Overhead Electricity
- Traffic Light System
- Gas
- Water
- Telecommunications
- Cable Television
- Close Circuit Television
- British Telecom
- Overhead Telecom
- Fibre Optics
- Unknown
- Ducting
- Transport for London
- GPR Image Position
- GPR Ground Anomaly
- GPR Geological Movement
- GPR Reinforcement
- GPR Underground Structure
- GPR Underground Void
- Survey Extents
- Photo Position

ABBREVIATIONS

AC	Asbestos Cement	FC	Flow Sight Cover	SA	Survey Abandoned
ACU	Air Conditioning Unit	FS	Flag Staff	SHA	Stakeawy
AD	Assumed Direction	G	Gully	SIB	Safety Barrier
AR	Assumed Route	GPR	Ground Penetrating	SC	Speed Camera
BB	Bus Stop		Radar Conducive	SD	Soil Vent Pipe
BE	Belisha Beacon	GL	Ground Light	SI	Spun Iron
BD	Back Drop	GV	Gas Valve	SL	Soffit Level
BH	Bore Hole	HH	Hand Hole	SP	Sign Pedestal
BH	Borehole	HV	High Voltage	SP	Sign Post
Bk	Brick	IC	Inspection Cover	Spr	Spring
BL	Bollard Light	IL	Invert Level	SS	Stone Settings
BO	Bollard	IR	Iron Rail Fence	SS	Sonae Stops
BOC	Bottom of Chamber	KO	Kerb Outlet	ST	Stop Tap
BP	Bore Pile	LB	Letter Box	SV	Stop Valve Support
BS	Bus Stop	LC	Lighting Column	Stn	Survey Station
BT	British Telecom Cover	LH	Lamp Hole	SV	Stulce Valve
BT	British Telecom Box	LO	Loss Of Reflection	SW	Stone Wall
BW	Brick Wall	LOS	Loss Of Signal	SW	Stone Wall
BWI	Barbed Wire Fence	MB	Mooring Bollard	Tac	Tactile Paving
CAB	Cable Box	MC	Multiple Cables	TBM	Temporary Bench Mark
CAT	Catenary Level	MH	Manhole Cover	TC	Telecom Cover
CB	Concrete Bollard	MH	Mine Hole/Shaft	TCB	Telecom Control Box
CC	Control Cabinet	MP	Mile Post/Stone	TCP	Telephone Call Post
CCTV	Close Circuit TV	NFI	No Further Information	TCB	Telephone Call Box
CH	Change	NL	Nail/Spike	TF	Temporary Fence
CN	Channel Level	NP	Name Plate	TH	Temporary Records
CI	Cast Iron	NPV	No Pipes Visible	THL	Trial Hole / Pit
CL	Centre Line/Level	NVA	No Survey Area	TL	Tricelevel Level
CL	Cover Level	P	Post	TOW	Top Of Wall
CL	Chain Link Fence	PBM	Permanent Bench Mark	TP	Telegraph Pole
CO	Cleanout	PC	Pedestal Cover	TP	Traffic Pedestal
CP	Catch Pit	PGM	Permanent Ground	TSC	Traffic Signals Cover
CW	Coping Level		Marker	UIS	Upstream
CW	Concrete Wall	PL	Pipe Level	UAG	Unable to Gain Access
CUL	Culvert	PS	Palisade Fence	UTC	Unable to Locate
CW	Concrete Wall	PM	Parking Meter	UTR	Unable to Raise
DI	Ductile Iron	PR	Post and Rail Fence	UTS	Unable to Survey
DI	Drainage Inspection	PS	Post Sign	UT	Unable to Trace
DS	Downstream	PU	Push Unit	VC	Vent Column
DSS	Downstream	PVC	Polyvinylchloride	VDP	Vehicle Detector Pad
EBW	Dry Stone Wall	PWF	Post and Wire Fence	VP	Vent Pipe
EC	Electricity Cover	PX	Pedestrian	VR	Vehicle Recovery
EC	Electricity Cover	PZ	Piezometer	VTP	Vertical Pipe
ED	Empty Duct	R	Radio	W	Water Cover
EP	Electricity Pole	RE	Reflective Eye	WB	Weighbridge
EPP	Electricity Feeder Pillar	RI	River	WM	Water Meter
EOT	End of Trace	RL	Roof Level	WM	Wire Mesh Fence
ER	Earth Rod	RM	Rock Mass Face	WP	Wood Post
ER	Earth Rod	RS	Road Sign	WS	Window Sample
FC	Fuel Cover	RWP	Rain Water Pipe	WV	Wheel Valve
FL	Flood Lighting Level	SW	Screen Wall		
FH	Fire Hydrant	S	Stump		

REV.	DETAILS	BY	DATE
A	Additional survey data added	VK	08 / 19

GRID: ORDNANCE SURVEY RELATED TO THE OS ACTIVE STATIONS BY GPS OBSERVATIONS

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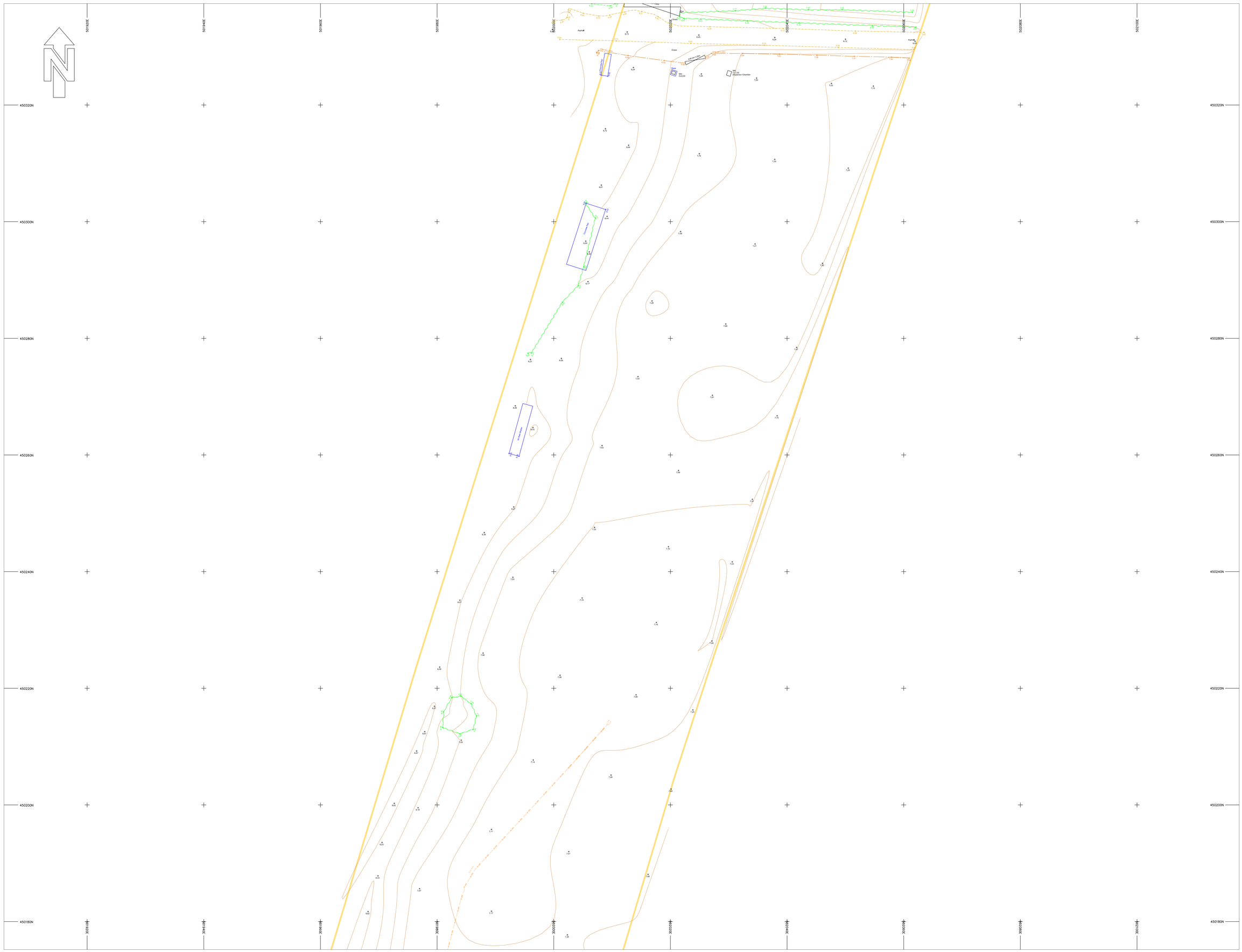
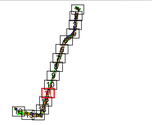


SHEET LAYOUT



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- Drainage Channel
- Scar
- Above Ground Pipe
- Overhead Pipe
- Overhead Electricity
- Overhead Telecom
- Railway Track
- Contour Line

UTILITY LEGEND

- FW Foul Drainage
- SW Surface Drainage
- CW Combined Drainage
- ELEC Electricity
- OHE Overhead Electricity
- TL Traffic Light System
- GAS Gas
- WATER Water
- TELECOM Telecommunications
- CATV Cable Television
- CCTV Close Circuit Television
- BT Britsh Telecom
- OHT Overhead Telecom
- FO Fibre Optics
- UNKNOWN Unknown
- DUCT Ducting
- TFL Transport for London
- GPR Image Position
- GPR Ground Anomaly
- GPR Geological Movement
- GPR Reinforcement
- GPR Underground Structure
- GPR Underground Void
- Survey Extents
- Photo Position

ABBREVIATIONS

AC	Asbestos Cement	FO	Fibre Optic Cover	SA	Survey Abandoned
ACU	Air Conditioning Unit	FS	Flag Staff	SHA	Stakeway
AD	Assumed Direction	G	Gully	SVB	Safety Barrier
AR	Assumed Route	GPR	Ground Penetrating	SC	Speed Camera
BB	Bus Stop		Radar Survey Feature	SD	Soil Drainage
BE	Belisha Beacon	GL	Ground Light	SI	Spun Iron
BD	Back Drop	GV	Gas Valve	SL	Soffit Level
BH	Bore Hole	HB	Hedge	SP	Sign Post
BH	Bollards	HV	High Voltage	SP	Sign Post
Bk	Brick	IC	Inspection Cover	Spr	Spring
BL	Bollard Light	IL	Invert Level	SS	Sump Buildings
BO	Bollard	IR	Iron Rail Fence	SS	Sunset Strips
BOC	Bottom of Chamber	KO	Kerb Outlet	ST	Stop Tap
BP	Bore Pile	LB	Letter Box	SUP	Support / Support
BS	Bus Stop	LC	Lighting Column	Stn	Survey Station
BT	British Telecom Cover	LH	Lamp Hole	SV	Stulce Valve
BTB	British Telecom Box	LR	Loss Of Reflection	SW	Surface Water
BW	Brick Wall	LOS	Loss Of Signal	SW	Stone Wall
BWF	Barbed Wire Fence	MB	Mooring Bollard	Tac	Tactile Paving
CA	Cable Marker	MC	Multiple Cables	TBM	Temporary Bench Mark
CAT	Cattenary Level	MH	Manhole Cover	TC	Telecom Cover
CB	Close Boarded Fence	MK	Mile Post/Stone	TCB	Telephone Call Box
CC	Control Cabinet	MP	Mile Post/Stone	TCP	Telephone Call Post
CCTV	Close Circuit TV	NFI	No Further Information	TJF	Temporary Fence
CH	Chainage	NL	Name Label	TOB	Top Of Bank / Kerb
CN	Channel Level	NP	Name Plate	TH	Trial Hole / Pit
CI	Cast Iron	NPV	No Pipes Visible	THL	Trialshold Level
CL	Close Boarded Iron Fence	PA	Parking Area	TL	Top
CL	Cover Level	PAD	Pad	TOW	Top Of Wall
CL	Chain Link Fence	PBM	Permanent Bench Mark	TP	Telegraph Pole
CO	Cleanout	PC	Pedestal Cover	TP	Traffic Signals Pole
CP	Catch Pit	PDM	Permanent Ground Marker	TSC	Traffic Signals Cover
CW	Coping Level	PL	Pedestal	UIS	Upstream
CW	Concrete Wall	PO	Pillbox Fence	UAG	Unable to Gain Access
CUL	Culvert	PS	Parking Meter	UTC	Unable to Locate
CW	Concrete Wall	PM	Post and Rail Fence	UTR	Unable to Raise
DI	Ductile Iron	PR	Post and Wire Fence	UTS	Unable to Survey
DO	Disabled	PS	Post Sign	UT	Unable to Trace
DS	Downstream	PU	Push Button	VC	Vent Column
DSB	Dry Stone Wall	PVC	Polyvinylchloride	VDP	Vehicle Detector Pad
EBW	Earth Bank Wall	PWF	Post and Wire Fence	VP	Vent Pipe
EC	Electricity Cover	PY	Pipe Yard	VR	Vehicle Recovery
EO	Empty Duct	PZ	Piezometer	VTP	Vertical Pipe
EP	Electricity Pole	R	Radio	W	Water Cover
EPP	Electricity Feeder Pillar	RE	Reference Eye	WB	Water Boiler
EOT	End of Trans	RL	Roof Level	WM	Water Meter
ER	Earth Rod	RM	Reference Mark	WM	Wire Mesh Fence
ER	Earth Rod	RS	Road Sign	WS	Wall Sign
FC	Fuel Cover	RWP	Rain Water Pipe	WS	Window Sample
FL	Flood Defence Level	SW	Retaining Wall	WV	Wheel Valve
FH	Fire Hydrant	S	Stump		

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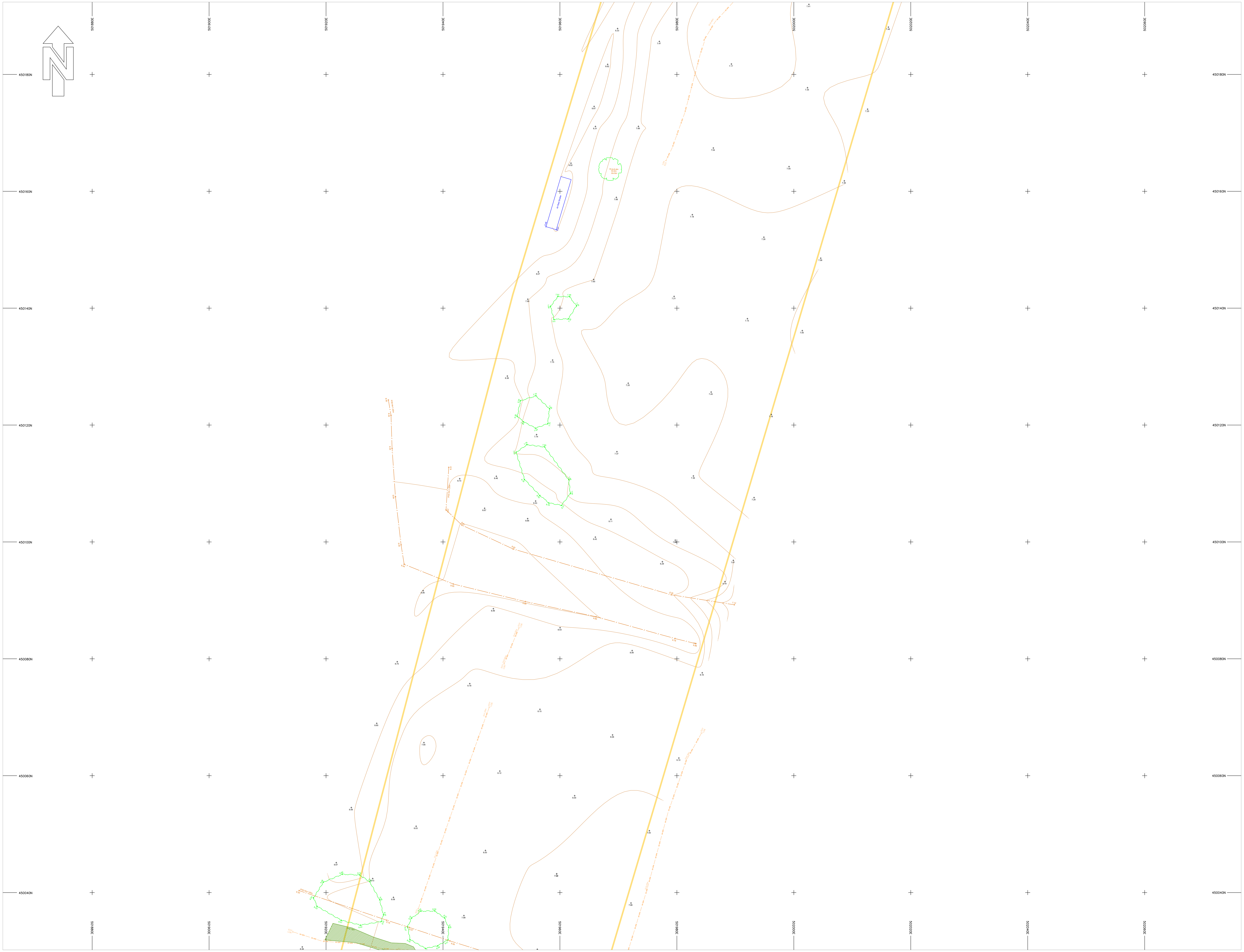
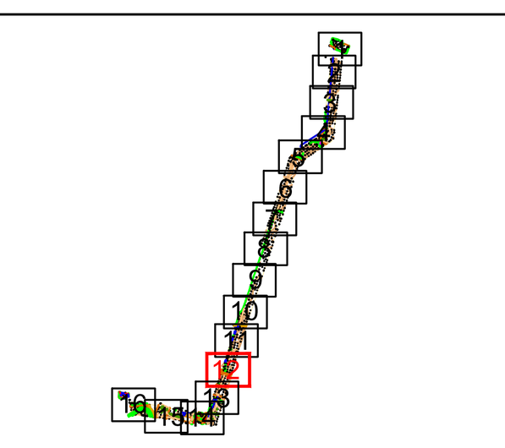


SHEET LAYOUT



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UTILITY LEGEND

- Foul Drainage
- Surface Drainage
- Combined Drainage
- Electricity
- Overhead Electricity
- Traffic Light System
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- Water
- Telecommunications
- Cable Television
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- Fibre Optics
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- Survey Extents
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ABBREVIATIONS

AC	Asbestos Cement	FO	Fibre Optic Cover	SA	Survey Abandoned
ACU	Air Conditioning Unit	FS	Flag Staff	S/A	Soakaway
AD	Assumed Direction	G	Gully	S/B	Safety Barrier
AR	Assumed Route	GPRI	Ground Penetrating Radar Inconclusive	SC	Speed Camera
AV	Air Valve	GrL	Ground Light	S/F	Safety Fence
BB	Belisha Beacon	GV	Gas Valve	SI	Spun Iron
BD	Back Drop	H/R	Hand Rail	SL	Soffit Level
BdL	Bed Level	HV	High Voltage	S/L	Street Lighting (Electric)
BH	Borehole	IC	Inspection Cover	SP	Sign Post
Bk	Brick	IL	Invert Level	Spr	Spring
BL	Basement Light	I/R	Iron Rail Fence	S/R	Steel Railings
BO	Bollard	KO	Kerb Outlet	SS	Sonde Stops
BOC	Bottom of Chamber	LB	Letter Box	ST	Stop Tap
BR	Brick	LC	Lighting Column	STS	Structural Support
BS	Bus Stop	LH	Lamp Hole	Stn	Survey Station
BT	British Telecom Cover	LOR	Loss Of Reflection	SV	Sluice Valve
BTB	British Telecom Box	LOS	Loss Of Signal	SVP	Soil Vent Pipe
BW	Brick Wall	MB	Mooring Bollard	SW	Stone Wall
B/W	Barbed Wire Fence	M/C	Multiple Cables	Tac	Tactile Paving
Cam	Camera	MH	Manhole Cover	TBM	Temporary Bench Mark
CAT	Catenary Level	Mkr	Marker Post	TC	Telecom Cover
C/B	Close Boarded Fence	MP	Mile Post/Stone	TCB	Telephone Call Box
CC	Control Cabinet	NFI	No Further Information	TCP	Telephone Call Post
CCTV	Close Circuit TV	NM	Node Marker	T/F	Temporary Fence
CH	Chainage	NP	Name Plate	TFR	Taken From Records
ChL	Channel Level	NPV	No Pipes Visible	TH	Trial Hole / Pit
CI	Cast Iron	OSA	Off Survey Area	ThL	Threshold Level
C/I	Corrugated Iron Fence	P	Post	Tk	Tank
CL	Cover Level	PBM	Permanent Bench Mark	TOW	Top Of Wall
C/L	Chain Link Fence	PE	Polyethylene	TP	Telegraph Pole
CO	Concrete	PGM	Permanent Ground Marker	TS	Traffic Signals
CP	Catch Pit	PL	Plastic	TSC	Traffic Signals Cover
CpL	Coping Level	P/L	Palisade Fence	U/S	Upstream
CTV	Cable TV	PM	Parking Meter	UTGA	Unable to Gain Access
CUL	Culvert	P/R	Post and Rail Fence	UTL	Unable to Locate
CW	Concrete Wall	PS	Poor Signal	UTR	Unable to Raise
DI	Ductile Iron	PU	Pump	UTS	Unable to Survey
dil	Dilapidated	PVC	Polyvinylchloride	UTT	Unable to Trace
dis	Disused	P/W	Post and Wire Fence	VC	Vitrified Clay
D/S	Downstream	PWR	Power	VDP	Vehicle Detector Pad
DSW	Dry Stone Wall	PZ	Piezometer	VP	Vent Pipe
EB	Electricity Box	R	Radio	VR	Vapour Recovery
EC	Electricity Cover	RE	Rodding Eye	VTP	Vertical Pipe
ED	Empty Duct	Ri	Riser	W	Water Cover
E/F	Electric Fence	RL	Roof Level	WL	Water Level
EFP	Electricity Feeder Pillar	RP	Reflector Post	WM	Water Meter
EOT	End of Trace	RS	Road Sign	W/M	Wire Mesh Fence
EP	Electricity Pole	RWP	Rain Water Pipe	WO	Wash Out
ER	Earth Rod	R/W	Retaining Wall	WS	Window Sample
FC	Fuel Cover	S	Stump	WV	Wheel Valve
FFL	Finished Floor Level				
FH	Fire Hydrant				

REV.	DETAILS	BY	DATE
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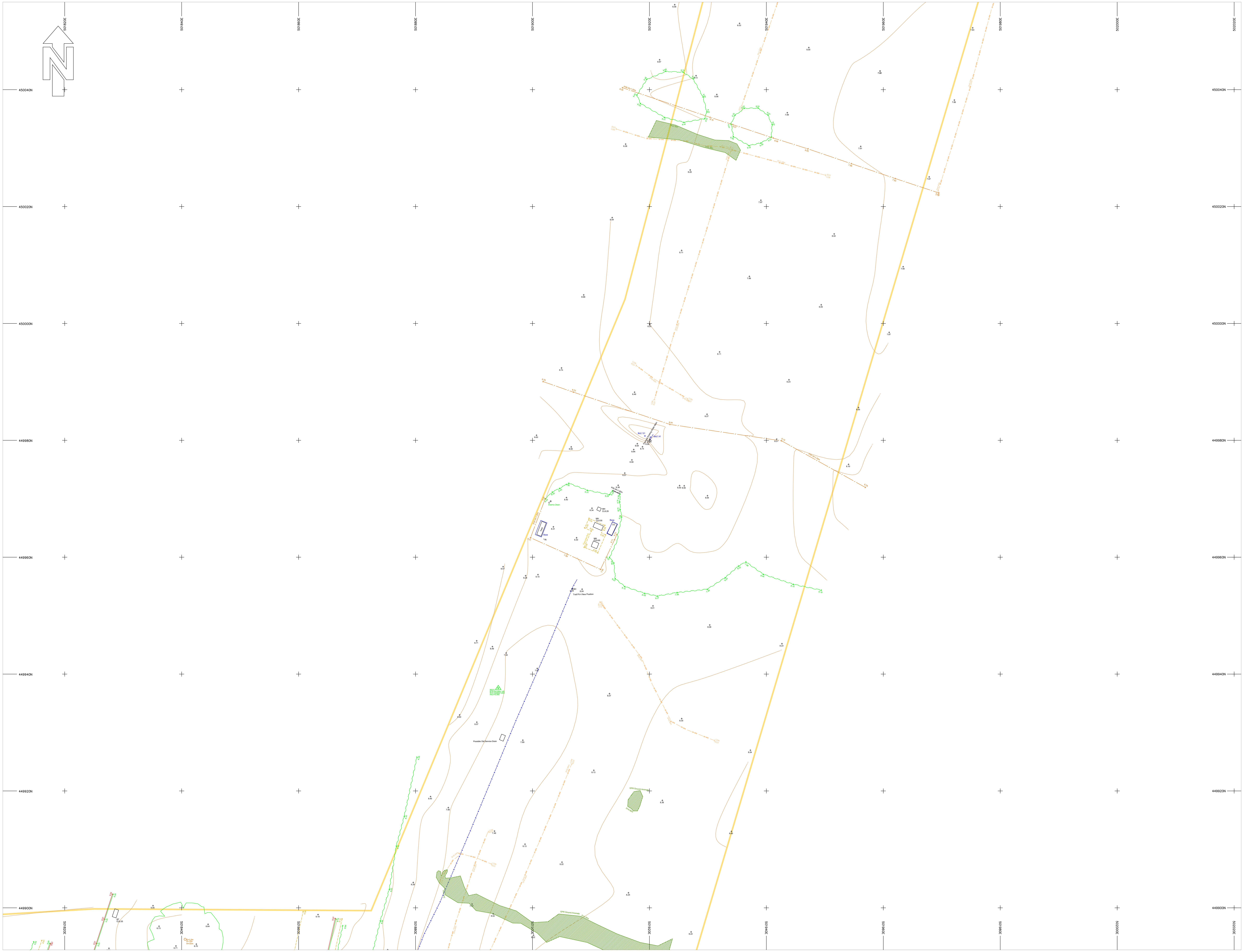
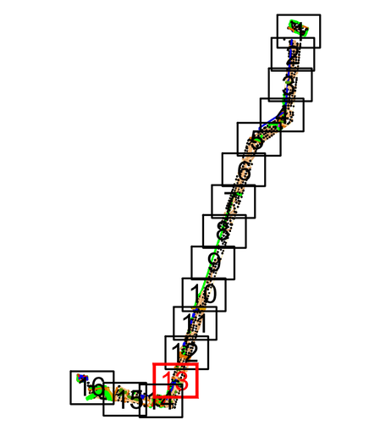


SHEET LAYOUT



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UTILITY LEGEND

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ABBREVIATIONS

AC Asbestos Cement
ACU Air Conditioning Unit
AD Assumed Direction
AR Assumed Route
AV Air Valve
BB Belisha Beacon
BD Back Drop
BdL Bed Level
BH Borehole
Bk Brick
BL Basement Light
BO Bollard
BOC Bottom of Chamber
BR Brick
BS Bus Stop
BT British Telecom Cover
BTB British Telecom Box
BW Brick Wall
B/W Barbed Wire Fence
Cam Camera
CAT Catenary Level
C/B Close Boarded Fence
CC Control Cabinet
CCTV Close Circuit TV
CH Chainage
ChL Channel Level
CI Cast Iron
C/I Corrugated Iron Fence
CL Cover Level
C/L Chain Link Fence
CO Concrete
CP Catch Pit
CpL Coping Level
CTV Cable TV
CUL Culvert
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DI Ductile Iron
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EB Electricity Box
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E/F Electric Fence
EFP Electricity Feeder Pillar
EOT End of Trace
EP Electricity Pole
ER Earth Rod
FC Fuel Cover
FFL Finished Floor Level
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FO Fibre Optic Cover
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G Gully
GPRI Ground Penetrating Radar Inconclusive
GrL Ground Light
GV Gas Valve
H/R Hand Rail
HV High Voltage
IC Inspection Cover
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I/R Iron Rail Fence
KO Kerb Outlet
LB Letter Box
LC Lighting Column
LH Lamp Hole
LOR Loss Of Reflection
LOS Loss Of Signal
MB Mooring Bollard
M/C Multiple Cables
MH Manhole Cover
Mkr Marker Post
MP Mile Post/Stone
NFI No Further Information
NM Node Marker
NP Name Plate
NPV No Pipes Visible
OSA Off Survey Area
P Post
PBM Permanent Bench Mark
PE Polyethylene
PGM Permanent Ground Marker
PL Plastic
P/L Palisade Fence
PM Parking Meter
P/R Post and Rail Fence
PS Poor Signal
PU Pump
PVC Polyvinylchloride
P/W Post and Wire Fence
PWR Power
PZ Piezometer
R Radio
RE Rodding Eye
Ri Riser
RL Roof Level
RP Reflector Post
RS Road Sign
RWP Rain Water Pipe
R/W Retaining Wall
S Stump
SA Survey Abandoned
S/A Soakaway
S/B Safety Barrier
SC Speed Camera
S/F Safety Fence
SI Spun Iron
SL Soffit Level
S/L Street Lighting (Electric)
SP Sign Post
Spr Spring
S/R Steel Railings
SS Sonde Stops
ST Stop Tap
STS Structural Support
Stn Survey Station
SV Sluice Valve
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SW Stone Wall
Tac Tactile Paving
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TC Telecom Cover
TCB Telephone Call Box
TCP Telephone Call Post
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TFR Taken From Records
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ThL Threshold Level
Tk Tank
TOW Top Of Wall
TP Telegraph Pole
TS Traffic Signals
TSC Traffic Signals Cover
U/S Upstream
UTGA Unable to Gain Access
UTL Unable to Locate
UTR Unable to Raise
UTS Unable to Survey
UTT Unable to Trace
VC Vitrified Clay
VDP Vehicle Detector Pad
VP Vent Pipe
VR Vapour Recovery
VTP Vertical Pipe
W Water Cover
WL Water Level
WM Water Meter
W/M Wire Mesh Fence
WO Wash Out
WS Window Sample
WV Wheel Valve

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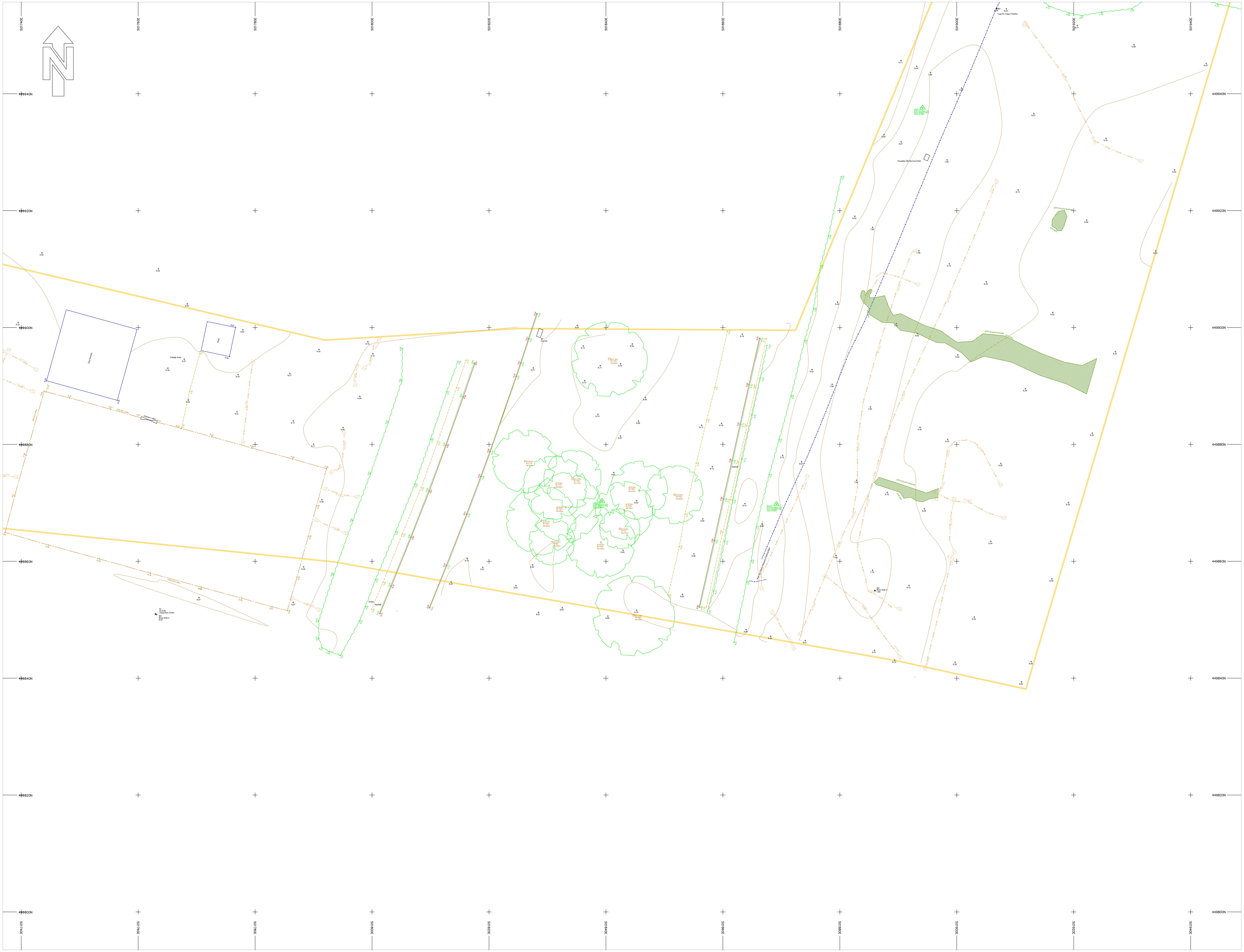

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ACU	Air Conditioning Unit	FS	Flag Staff	S/A	Soakaway
AD	Assumed Direction	G	Gully	S/B	Safety Barrier
AR	Assumed Route	GPRI	Ground Penetrating Radar Inconclusive	SC	Speed Camera
AV	Air Valve			S/F	Safety Fence
BB	Belisha Beacon	GrL	Ground Light	SI	Spun Iron
BD	Back Drop	GV	Gas Valve	SL	Soffit Level
BdL	Bed Level	H/R	Hand Rail	S/L	Street Lighting (Electric)
BH	Borehole	HV	High Voltage	SP	Sign Post
Bk	Brick	IC	Inspection Cover	Spr	Spring
BL	Basement Light	IL	Invert Level	S/R	Steel Railings
BO	Bollard	I/R	Iron Rail Fence	SS	Sonde Stops
BOC	Bottom of Chamber	KO	Kerb Outlet	ST	Stop Tap
BR	Brick	LB	Letter Box	STS	Structural Support
BS	Bus Stop	LC	Lighting Column	Stn	Survey Station
BT	British Telecom Cover	LH	Lamp Hole	SV	Sluice Valve
BTB	British Telecom Box	LOR	Loss Of Reflection	SVP	Soil Vent Pipe
BW	Brick Wall	LOS	Loss Of Signal	SW	Stone Wall
B/W	Barbed Wire Fence	MB	Mooring Bollard	Tac	Tactile Paving
Cam	Camera	M/C	Multiple Cables	TBM	Temporary Bench Mark
CAT	Catenary Level	MH	Manhole Cover	TC	Telecom Cover
C/B	Close Boarded Fence	Mkr	Marker Post	TCB	Telephone Call Box
CC	Control Cabinet	MP	Mile Post/Stone	TCP	Telephone Call Post
CCTV	Close Circuit TV	NFI	No Further Information	T/F	Temporary Fence
CH	Chainage	NM	Node Marker	TFR	Taken From Records
ChL	Channel Level	NP	Name Plate	TH	Trial Hole / Pit
CI	Cast Iron	NPV	No Pipes Visible	ThL	Threshold Level
C/I	Corrugated Iron Fence	OSA	Off Survey Area	Tk	Tank
CL	Cover Level	P	Post	TOW	Top Of Wall
C/L	Chain Link Fence	PBM	Permanent Bench Mark	TP	Telegraph Pole
CO	Concrete	PE	Polyethylene	TS	Traffic Signals
CP	Catch Pit	PGM	Permanent Ground Marker	TSC	Traffic Signals Cover
CpL	Coping Level			U/S	Upstream
CTV	Cable TV	PL	Plastic	UTGA	Unable to Gain Access
CUL	Culvert	P/L	Palisade Fence	UTL	Unable to Locate
CW	Concrete Wall	PM	Parking Meter	UTR	Unable to Raise
DI	Ductile Iron	P/R	Post and Rail Fence	UTS	Unable to Survey
dil	Dilapidated	PS	Poor Signal	UTT	Unable to Trace
dis	Disused	PU	Pump	VC	Vitrified Clay
D/S	Downstream	PVC	Polyvinylchloride	VDP	Vehicle Detector Pad
DSW	Dry Stone Wall	P/W	Post and Wire Fence	VP	Vent Pipe
EB	Electricity Box	PWR	Power	VR	Vapour Recovery
EC	Electricity Cover	PZ	Piezometer	VTP	Vertical Pipe
ED	Empty Duct	R	Radio	W	Water Cover
E/F	Electric Fence	RE	Rodding Eye	WL	Water Level
EFP	Electricity Feeder Pillar	Ri	Riser	WM	Water Meter
EOT	End of Trace	RL	Roof Level	W/M	Wire Mesh Fence
EP	Electricity Pole	RP	Reflector Post	WO	Wash Out
ER	Earth Rod	RS	Road Sign	WS	Window Sample
FC	Fuel Cover	RWP	Rain Water Pipe	WV	Wheel Valve
FFL	Finished Floor Level	R/W	Retaining Wall		
FH	Fire Hydrant	S	Stump		

REV.	DETAILS	BY	DATE
A	Additional survey data added	VK	08 / 19

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PROJECT TITLE:
HUTTON CRANSWICK

DRAWING TITLE:
TOPOGRAPHICAL AND GEOPHYSICAL SURVEY

SURVEYED BY:	DRAWN BY:	APPROVED BY:
RE / MBW	VK	AG

SCALE: 1:200 @ A0
SURVEY DATE: 06/2019
DRAWING NUMBER: 1775_P_Rev.A
SHEET NUMBER: 14 of 16 A0
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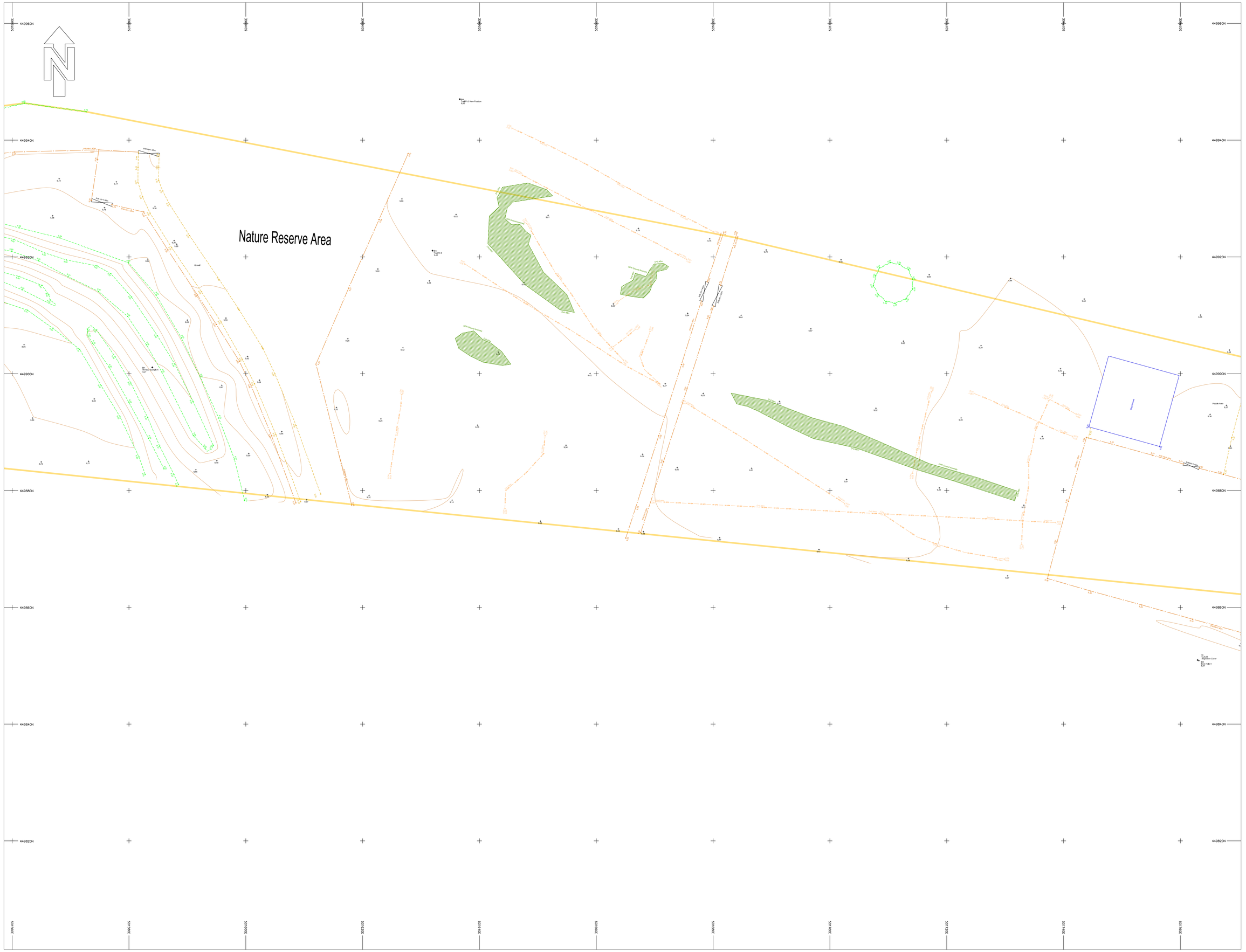

SHEET LAYOUT

TOPOGRAPHICAL LEGEND

Building
Building Canopy
Building Overhead
Surface Edge
Road Edge
Road Kerb Channel
Banking
Fence
Wall
Structure
Structure Overhead
Structure Underground
Vegetation Extents
Drainage Channel
Scar
Above Ground Pipe
Overhead Pipe
Overhead Electricity
Overhead Telecom
Railway Track
Contour Line

UTILITY LEGEND

Foul Drainage
Surface Drainage
Combined Drainage
Electricity
Overhead Electricity
Traffic Light System
Gas
Water
Telecommunications
Cable Television
Close Circuit Television
British Telecom
Overhead Telecom
Fibre Optics
Unknown
Ducting
Transport for London
GPR Image Position
GPR Ground Anomaly
GPR Geological Movement
GPR Reinforcement
GPR Underground Structure
GPR Underground Void
Survey Extents
Photo Position

ABBREVIATIONS

AC	Asbestos Cement	FV	Flow Digital Cover	SA	Survey Abandoned
ACU	Air Conditioning Unit	FS	Flow Survey	SAI	Stableway
AD	Assumed Direction	G	Gully	SAB	Safety Barrier
AR	Assumed Route	GPR	Ground Penetrating	SC	Speed Camera
BB	Bale Stack		Radar Survey Service	SD	Soil Pipe Vent
BE	Belisha Beacon	GL	Ground Light	SI	Spun Iron
BD	Back Drop	GV	Gas Valve	SL	Soffit Level
BH	Bore Hole	HG	Hedge	SP	Sign Post (Electric)
BH	Borehole	HV	High Voltage	SP	Sign Post
Bk	Brick	IC	Inspection Cover	Spr	Spring
BO	Bollard Light	IL	Invert Level	SS	Stone Settings
BO	Bollard	IR	Iron Rail Fence	SS	Sunrise Stock
BOC	Bottom of Chamber	KO	Kerb Outlet	ST	Stop Tap
BP	Bus Pass	LB	Lamp Base	SU	Structure Support
BS	Bus Stop	LC	Lighting Column	Stn	Survey Station
BT	British Telecom Cover	LH	Lamp Hole	SV	Stulce Valve
BW	Brick Wall Inspection Box	LP	Light Pole Reflection	SW	Soil Water Pipe
BW	Brick Wall	LQS	Loss Of Signal	SW	Stone Wall
BWF	Barbed Wire Fence	MB	Mooring Bollard	Tac	Tactile Paving
CAB	Cable Box	MC	Manhole Cover	TBM	Temporary Bench Mark
CAT	Catenary Level	MH	Manhole Cover	TC	Telecom Cover
CB	Close Boarded Fence	Mkr	Marker Post	TCB	Telephone Call Box
CC	Concrete Cover	MP	Mile Post Marker	TCP	Traffic Control Point
CCTV	Close Circuit TV	MTI	No Further Information	TF	Temporary Fence
CH	Chainage	NM	Nickle Marker	TFR	Taken From Records
CL	Ceiling Level	NP	No Paint Visible	TH	Tree Height
CI	Cast Iron	NPV	No Pipes Visible	THL	Threshold Level
CI	Corrugated Iron Fence	OSA	Off Survey Area	TL	Tank
CL	Centre Line	P	Post	TP	Traffic Pole
CL	Chain Link Fence	PBM	Permanent Bench Mark	TP	Telegraph Pole
CO	Concrete	PE	Polyethylene	TS	Traffic Signals
CP	Catch Pit	PGM	Permanent Ground	TSC	Traffic Signals Cover
CPL	Capping Level		Marker	UG	Underground
CTY	Cable TV	PL	Plastic	UGA	Unable to Gain Access
CUL	Culvert	PL	Palisade Fence	UTL	Unable to Locate
CW	Concrete Wall	PM	Parking Meter	UTR	Unable to Raise
DE	Drain Entrance	PR	Post and Rail Fence	UTS	Unable to Survey
dil	Dilapidated	PS	Post Signal	UTT	Unable to Trace
dis	Disused	PU	Pump	VC	Vitrified Clay
DM	Dry Manhole	PVC	Polyvinylchloride	VCP	Vehicle Detector Pad
DSW	Dry Stone Wall	PW	Post and Wire Fence	VP	Vent Pipe
EB	Electricity Box	PWR	Power	VR	Vapour Recovery
EC	Electricity Cover	R	Rain Gauge	W	Water Meter
EO	Empty Duct	R	Radio	W	Water Cover
EP	Electric Fence	RE	Rodding Eye	WL	Water Level
EP	Electricity Meter Pillar	RG	Rail	WM	Wire Mesh Fence
EOT	End of Track	RL	Roof Level	WM	Wire Mesh Fence
EP	Electricity Pole	RP	Reflector Post	WO	Wash Out
FC	Fuel Cover	RS	Rain Sensor	WS	Window Sample
FC	Fuel Cover	RWP	Rain Water Pipe	WV	Wheel Valve
FFL	Finished Floor Level	RW	Retaining Wall		
FH	Fire Hydrant	S	Stump		

REV.	DETAILS	BY	DATE
A	Additional survey data added	VK	06 / 19

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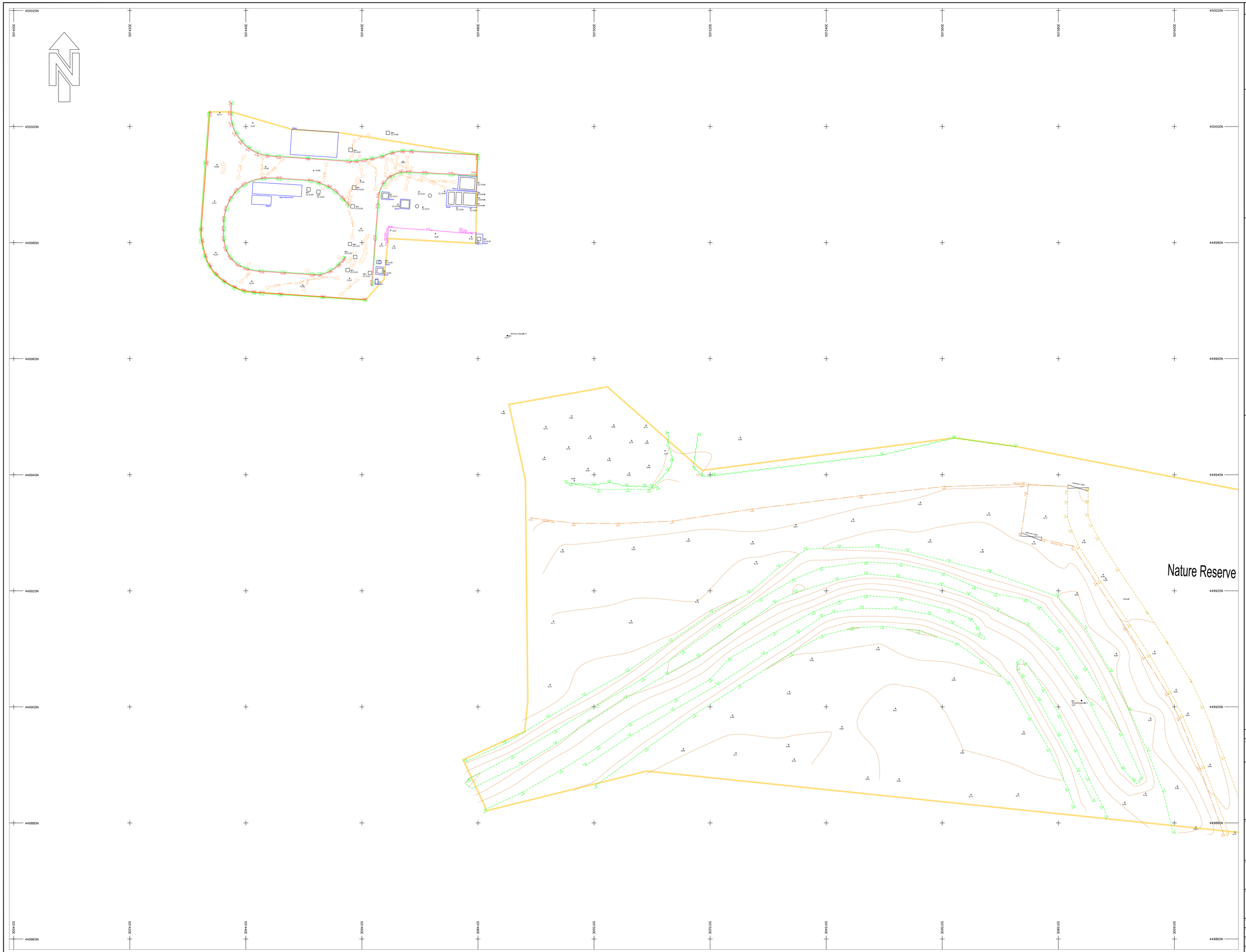

SHEET LAYOUT

TOPOGRAPHICAL LEGEND

—	Building
- - -	Building Canopy
— — —	Building Overhead
- - -	Surface Edge
- - -	Road Edge
—	Road Kerb Channel
— — —	Banking
—/—/—	Fence
—	Wall
—	Structure
— — —	Structure Overhead
- - -	Structure Underground
⌒⌒⌒	Vegetation Extents
═ ═ ═	Drainage Channel
— - —	Scar
—	Above Ground Pipe
— OHP — OHP — OHP —	Overhead Pipe
— OHE — OHE — OHE —	Overhead Electricity
— OHT — OHT — OHT —	Overhead Telecom
—	Railway Track
— 220 —	Contour Line

UTILITY LEGEND

— FWS — FWS — FWS —	Foul Drainage
— SWS — SWS — SWS —	Surface Drainage
— CWS — CWS — CWS —	Combined Drainage
— ELEC — ELEC —	Electricity
— OHE — OHE — OHE —	Overhead Electricity
— TL — TL — TL —	Traffic Light System
— GAS — GAS — GAS —	Gas
— WATER — WATER —	Water
— TELECOM — TELECOM —	Telecommunications
— CATV — CATV —	Cable Television
— CCTV — CCTV —	Close Circuit Television
— BT — BT — BT —	British Telecom
— OHT — OHT — OHT —	Overhead Telecom
— FO — FO — FO —	Fibre Optics
— UK — UK — UK —	Unknown
— UK-GPR — UK-GPR —	
— DUCT — DUCT — DUCT —	Ducting
— TfL — TfL — TfL —	Transport for London
◄——◄	GPR Image Position
▨	GPR Ground Anomaly
▨	GPR Geological Movement
▦	GPR Reinforcement
▤	GPR Underground Structure
▭	GPR Underground Void
▭	Survey Extents
⊖	Photo Position

ABBREVIATIONS

AC	Asbestos Cement
ACU	Air Conditioning Unit
AD	Assumed Direction
AR	Assumed Route
AV	Air Valve
BB	Belisha Beacon
BD	Back Drop
BdL	Bed Level
BH	Borehole
Bk	Brick
BL	Basement Light
BO	Bollard
BOC	Bottom of Chamber
BR	Brick
BS	Bus Stop
BT	British Telecom Cover
BTB	British Telecom Box
BW	Brick Wall
B/W	Barbed Wire Fence
Cam	Camera
CAT	Catenary Level
C/B	Close Boarded Fence
CC	Control Cabinet
CCTV	Close Circuit TV
CH	Chainage
ChL	Channel Level
CI	Cast Iron
C/I	Corrugated Iron Fence
CL	Cover Level
C/L	Chain Link Fence
CO	Concrete
CP	Catch Pit
CpL	Coping Level
CTV	Cable TV
CUL	Culvert
CW	Concrete Wall
DI	Ductile Iron
dil	Dilapidated
dis	Disused
D/S	Downstream
DSW	Dry Stone Wall
EB	Electricity Box
EC	Electricity Cover
ED	Empty Duct
E/F	Electric Fence
EFP	Electricity Feeder Pillar
EOT	End of Trace
EP	Electricity Pole
ER	Earth Rod
FC	Fuel Cover
FFL	Finished Floor Level
FH	Fire Hydrant
FO	Fibre Optic Cover
FS	Flag Staff
G	Gully
GPRI	Ground Penetrating Radar Inconclusive
GrL	Ground Light
GV	Gas Valve
H/R	Hand Rail
HV	High Voltage
IC	Inspection Cover
IL	Invert Level
I/R	Iron Rail Fence
KO	Kerb Outlet
LB	Letter Box
LC	Lighting Column
LH	Lamp Hole
LOR	Loss Of Reflection
LOS	Loss Of Signal
MB	Mooring Bollard
M/C	Multiple Cables
MH	Manhole Cover
Mkr	Marker Post
MP	Mile Post/Stone
NFI	No Further Information
NM	Node Marker
NP	Name Plate
NPV	No Pipes Visible
OSA	Off Survey Area
P	Post
PBM	Permanent Bench Mark
PE	Polyethylene
PGM	Permanent Ground Marker
PL	Plastic
P/L	Palisade Fence
PM	Parking Meter
P/R	Post and Rail Fence
PS	Poor Signal
PU	Pump
PVC	Polyvinylchloride
P/W	Post and Wire Fence
PWR	Power
PZ	Piezometer
R	Radio
RE	Rodding Eye
Ri	Riser
RL	Roof Level
RP	Reflector Post
RS	Road Sign
RWP	Rain Water Pipe
R/W	Retaining Wall
S	Stump
SA	Survey Abandoned
S/A	Soakaway
S/B	Safety Barrier
SC	Speed Camera
S/F	Safety Fence
SI	Spun Iron
SL	Soffit Level
S/L	Street Lighting (Electric)
SP	Sign Post
Spr	Spring
S/R	Steel Railings
SS	Sonde Stops
ST	Stop Tap
STS	Structural Support
Stn	Survey Station
SV	Sluice Valve
SVP	Soil Vent Pipe
SW	Stone Wall
Tac	Tactile Paving
TBM	Temporary Bench Mark
TC	Telecom Cover
TCB	Telephone Call Box
TCP	Telephone Call Post
T/F	Temporary Fence
TFR	Taken From Records
TH	Trial Hole / Pit
ThL	Threshold Level
Tk	Tank
TOW	Top Of Wall
TP	Telegraph Pole
TS	Traffic Signals
TSC	Traffic Signals Cover
U/S	Upstream
UTGA	Unable to Gain Access
UTL	Unable to Locate
UTR	Unable to Raise
UTS	Unable to Survey
UTT	Unable to Trace
VC	Vitrified Clay
VDP	Vehicle Detector Pad
VP	Vent Pipe
VR	Vapour Recovery
VTP	Vertical Pipe
W	Water Cover
WL	Water Level
WM	Water Meter
W/M	Wire Mesh Fence
WO	Wash Out
WS	Window Sample
WV	Wheel Valve

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