Notes

Utilities may continue outside of the survey area. Any point marks outside of the area are for positional reference only and may not be accurate enough for setting out purposes.

Only sub-surface utility information & accurate, above ground utility information may be shown where it assists with positional referencing.

Where tags indicates a utility visible but which cannot be positively confirmed with the technology, an assumed route (AR) is recorded.

ClearView Surveys does not procure statutory or private source utility information (Unless requested at time of order) as part of its detection service nor does it record any such information in the survey unless otherwise requested. Statutory plans should be consulted to supplement the survey.

Vertical & Horizontal Position - Vertical position (depth) is indicative to the top of the detected utility. Horizontal position is indicative to the centre of the detected utility at the point of the mark. Where depth information from the technology is unclear, depth is not shown. Depths may have been detected using threading and the depth indicated could be between the top and bottom of the utility. Horizontal position is indicative to the centre of the utility/feature and should not be taken as exact.

Warranty - Biodegradable paints are used to mark-out the position of the utilities. Before long paint markings may become illegible depending on ground, weather and traffic conditions. We recommend re-painting if the survey is to be used after 1 month. Any survey is a snapshot representation of the sub-surface utilities therefore this drawing should be used as the primary reference for the survey results.

This drawing does not provide an absolute representation of the sub-surface. Utilities have been located by detection equipment where possible and access allowed. Detection is variably affected by ground, weather and site conditions outside of ClearView Surveys control therefore some utilities may be undetectable. While ClearView Surveys uses reasonable endeavours to locate all utilities shown in the survey area, it cannot be held liable for their exact and true approximate depth penetration of the technologies will be greater than two metres.

Sewer and manhole details shown on this drawing have been obtained by observation and measurement only. Where the sewer is not adopted, its connectivity to the adopted network and details will be critical to the project design ClearView Surveys would recommend that works into the chamber be undertaken using a specialist team, appropriately qualified for confined space entry. These teams can be supplied on request.

Irrespective of the information provided by a utility survey and statutory plans, appropriate trial excavations should be undertaken by hand to verify the exact location and HSE Guidelines - HSG47 Avoiding Danger from Underground Services.

Additional Notes:

1. The correct identification of the utility types can not be 100% guaranteed, therefore these should be independently verified prior to use in any design or building works.
2. All manhole cover levels and levels are assumed to be correct, but due to non entry of the inspection chambers, these should be verified before any works commence.
3. All dimensions are in metres.
4. All pipe/duct sizes are in millimetres.
5. Information provided should not be altered. It should not be used for any purpose other than that for which it was originally intended and not be issued to other parties without prior agreement of ClearView Surveys.
6. All dimensions should be checked on site before any commencement of construction.
7. CCTV Drainage Pipe positions are indicative only and are in an approximate position.
8. Ground water levels were observed remotely where possible on surrounding properties. Highest Ridge levels and average Eave levels were taken.

Key:

STREET FURNITURE

BB	Bollard Beacon
BL	Basement Light
BH	Letter Box
BS	Bus Stop
BU	Bus Stop
CPC	Concrete Post
CPT	Cycle Parking Stand
DP	Electric Feeder Pillar
EP	Electric Post
FH	Fire Hydrant
FM	Flue Hydrant Marker
FL	Flood Light
FP	Footway Post
FW	Footway Post
JB	Junction Box
GM	Gas Meter
GMK	Gas Marker Post
GPO	Gate Post
HR	Handrail Railing
LH	Lamp Hole
LP	Lamp Post
MH	Manhole Cover
MK	Marker
MP	Metal Post
PB	Post Box
PM	Post Box
PM	Parking Meter
RG	Road Gully
RP	Road Sign
SI	Sign
TBM	Temp Bench Mark
TM	Traffic Light Control Box
TP	Telegraph Pole
TPO	Timber Post

PIPES & CABLES

CAT	Cable TV Equipment
CKC	Chalky Kerbs/Cable
DP	Drain Pipe
FP	Foul Water Pipe
GP	Foul Water Pipe
GW	Gas Main
GWV	Gate/ Main Valve
MWV	Main Water Pipe
SP	Stand Pipe
UCP	Unable To Survey
UT	Unable To Trace
WP	Water Pipe
WP	Water Pipe

LEVELS & DEPTHS

ACL	Actual Levels
BCL	Back Chip Depth
BDL	Back Chip Level
CD	Chamber Depth
CL	Cover Level
DPC	Damp Proof Course
FD	Flood Depth
FFL	Finished Floor Level
HAL	Flat Roof Level
ID	Inspection Depth
IL	Invert Depth
RL	Reduced Level
SD	Script Depth
SL	Script Level
TFL	Finished Floor Level
RL	Ridge Level
SD	Surface Depth
SD	Surface Depth
SPL	Spill Level
SPL	Sill Level
SL	Sump Level
SSL	Soil Level/ Base Level
TL	Top Of Pitch Level
TDL	Threshold Level
TL	Top Of Kerb Level
WL	Water Level

FENCES & WALLS

BW	Brick Wall
BRP	Brick Pier
BRWR	Brick Retaining Wall
BRR	Brick Rail
BWF	Barbed Wire Fence
CF	Chain Link Fence
CF	Corrugated Iron Fence
CLF	Chain Link Fence
CRW	Concrete Retaining Wall
CRW	Concrete Wall
CWF	Close Wooden Fence
DL	Dilapidated
HR	Hand Rail
HF	Hedge Fence
LT	Lattice Fence
MF	Miscellaneous Fence
PF	Post & Barbed Wire
OBF	Open Board Fence
POF	Post & Chain Fence
PR	Post & Rail
PWF	Post & Rail Fence
PWF	Post & Wire Fence
RF	Railing Fence
STW	Stone Wall
SRTW	Stone Retaining Wall
WWF	Wire Mesh Fence

INSPECTION CHAMBERS

ACC	Access Chamber
BH	Borehole
CDC	Concrete Drainage Channel
CIC	Cast Iron Manhole Cover
DI	Earth Rod
FWC	Foul Water Inspection Cover
GRP	Glass Reinforced Plastic Gallery
FH	Fire Hydrant
GIC	Gas Inspection Cover
GV	Gate Valve
GV	Gas Valve
I	Kerb
IC	Invert Inspection Cover
MH	Multi Valve
LHP	London Hydraulic Power
MH	Manhole Inspection Cover
MH	Monitoring Well
NR	No Further Information
SC	Sump Cover
SICC	Service Duct Inspection Cover
SV	Stop Valve
SWC	Surface Water Catch Pit
SWIC	Surface Water Inspection Cover
SWSK	Surface Water Soakaway
TC	Telecom Inspection Cover
TC	Telecom Inspection Cover
UID	Unidentified Inspection Cover
VC	Vent Cover
WIC	Water Inspection Cover
WM	Water Meter
WSC	Water Stop Cock
WSV	Water Stop Valve

SURFACES

BPav	Brick Paving
Conc	Concrete
CPav	Crazy Paving
CPS	Concrete Paving Slabs
PC	Pitch Stone / Cobbles
PCC	Pitch Stone / Cobbles
Tmac	Tmac
TP	Tarmac
TPS	Textile Paving
TS	Trench Drain

MEASUREMENTS

D	Diameter
D	Diameter (mm)
DxW	External Diameter (mm)
H	Object Height (m)

Linetype Key:



Rev	Date	Notes	By



CLIENT

Fed3 Projects

SITE

Land Adjacent To Cowplain School
Hart Plain Avenue
Waterlooville, PO8 8RX

DRAWING TITLE

Topographical Survey With Drainage Invert Levels

PROJECT NUMBER	DRAWING NUMBER	DATE
CVUJ804	CVUJ804-001	JULY 2021
SURVEYED BY	DRAWN BY	CHECKED BY
VA/AB	VA	AG
SCALE	SHEET SIZE	SHEET
1:200	A0	1 of 2

UNIT 301, OLD BARN FARM ROAD
WOOLSBRIDGE INDUSTRIAL PARK
THREE LEGGED CROSS, WIMBORNE, BH21 6SP
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Notes

Utilities may continue outside of the survey area. Any point marks outside of the area are for reference purposes only and may not be accurately surveyed or plotted to the correct scale.

Only sub-surface utility information is surveyed. Above ground utility information may be shown where it assists with positional referencing.

Where tags indicates a utility visible but which cannot be graphically confirmed with the technology, an assumed route (AR) is recorded.

ClearView Surveys does not procure statutory or private sector utility information (Unless requested at time of order) as part of its detection service nor does it record any such information in the survey unless otherwise requested. Statutory plans should be consulted to supplement the survey.

Vertical & Horizontal Position – Vertical position (depth) is indicative to the top of the detected utility. Horizontal position is shown to the centre of the detected utility at ground level. Where depth information from the technology is unclear, depth is not shown. Errors may have been detected using threading and the depth indicated could be between the top and bottom of the utility. Horizontal position is indicative to the centre of the utility/feature and should not be taken as exact.

Warranty - Biodegradable paints are used to mark-out the position of the utilities. Before long paint markings may become illegible depending on ground, weather and traffic conditions. We therefore recommend re-marking if the survey is required after a long period of time. The representation of the sub-surface utilities therefore this drawing should be used as the primary reference for the survey results.

This drawing does not provide an absolute representation of the sub-surface. Utilities have been plotted from surface measurements taken on site and the accuracy of these may be affected by ground, weather and site conditions outside of ClearView Surveys control therefore some utilities may be undetectable. While ClearView Surveys uses reasonable endeavours to locate utilities, it is not always possible to do so. The position of utilities and their approximate depth (perimeters of the technologies set by grease flash line) are therefore.

Sewer and manhole details shown on this drawing have been obtained by observation and measurement only. The use of CCTV to survey the below ground drainage network and manhole details will be critical to the project design ClearView Surveys would recommend that works into the chamber be undertaken using a specialist team, appropriately qualified for confined space entry. These teams can be supplied on request.

Irrespective of the information provided by a utility survey and statutory plans, excavation trial holes should be undertaken to determine the exact line in accordance with HSE Guidelines - HSG47 Avoiding Danger from Underground Services.

Additional Notes:

1. The correct identification of the utility types can not be 100% guaranteed, therefore these should be independently verified prior to use in any design or building works.
2. Manhole inverts and levels are assumed to be correct, but due to non entry of the inspection chambers, these should be verified before any works commence.
3. All dimensions are in metres.
4. All pipe/duct sizes are in millimetres.
5. Information provided should not be altered. It should not be used for any purpose other than that for which it was originally intended, nor be issued to other parties without prior agreement of ClearView Surveys.
6. All dimensions should be checked on site before any construction commences.
7. CCTV Drainage Plus positions are indicative only and are in an approximate position.
8. Where ground levels were observed remotely where possible on surrounding properties. Highest Ridge levels and average Eave levels were taken.

Key:

STREET FURNITURE		LEVELS & DEPTHS		INSPECTION CHAMBERS	
BB	Bollard	C	Kerb Invert	ACC	Access Chamber
BL	Bollard Light	BD	Back Drop Depth	BH	Borehole
BH	Letter Box	BDL	Back Drop Level	CGC	Concrete Drainage Channel
BS	Bus Stop	CL	Centre Line Level	CIC	Cast Iron Manhole Cover
BU	Bus Flag	CI	Cover Level	DR	Earth Rod
CN	Concrete Post	DPC	Damp Proof Course	FMC	Foul Water Inspection Cover
DP	Disabled Persons Parking	FL	Floor Level	GUL	Gully with Trapped Gratting
DT	Electric Feeder Pole	FFL	Finished Floor Level	IN	Fire Hydrant
EP	Electric Pole	HAL	Flat Roof Level	GE	Gas Inspection Cover
FB	Flag Pole	IL	Invert Level	GV	Gas Valve
FM	Flue Hydrant Marker	IL	Invert Depth	LV	Gas Valve
FL	Flood Light	TD	Outlet Depth	C	Kerb
FO	Fuse Box	OD	Outlet Level	MH	Manhole Cover
FW	Fence Post	PAL	Parapet Wall Level	W	Valve Cover
JB	Junction Box	RL	Ridge Level	LHP	London Hydraulic Power
LP	Lamp Post	SD	Sump Depth	MW	Meter Water Supply
GM	Gas Marker Post	SD	Sump Depth	MH	Monitoring Well
GPO	Gate Post	SFL	Soffit Level	NR	No Further Information
LB	Letter Box Pedestal	SL	Sill Level	PC	Pedestal
LV	Lamp Hole	SPL	Sill Level	SCC	Service Duct Inspection Cover
LP	Lamp Post	SSL	Soffit Level	SV	Stop Valve
MB	Marker Boundary	TOL	Sump Level	TC	Telecom Inspection Cover
MK	Marker	TWL	Top Of Wall Level	SWC	Surface Water Inspection Cover
MP	Metal Post	TBL	Threshold Level	SWGI	Surface Water Gratelevel
MW	Mooring Post	TL	Top Of Wall Level	TC	Telecom Inspection Cover
PP	Post Box	WL	Water Level	TC	Telecom Inspection Cover
PM	Parking Meter			UC	Unidentified Inspection Cover
PO	Parking Ticket	FENCES & WALLS		VC	Valve Cover
PT	Post Top	BRK	Brick Wall	WC	Water Inspection Cover
SI	Sign	BPF	Brick Pier	WM	Water Meter
TS	Survey Station	BRW	Brick Wall	WSC	Water Stop Cock
TTB	Attached to Rail/Building	BRW	Brick Wall	WSV	Water Stop Valve
TCB	Telephone Call Box	BWF	Barbed Wire Fence		
TL	Traffic Light	CF	Corrugated Iron Fence		
TLC2	Traffic Light Control Box	CF	Corrugated Iron Fence		
TP	Telegraph Pole	CLF	Chain Link Fence		
TRV	Timber Post	CWF	Close Wooden Fence		
		CRW	Concrete Retaining Wall		
PIPES & CABLES		CW	Concrete Wall		
CAT	Cable Unidentified	DF	Dilapidated Fence		
CDC	Chalky Buried Cable	DL	Dilapidated		
DP	Down Pipe	HR	Hand Rail		
FOP	Fibre Optic	HF	Hedge Fence		
FWP	Foul Water Pipe	LT	Lattice Tyrone		
GAS	Gas Main	MF	Miscellaneous Fence		
GRC	Gutter Rail Visible	MW	Miscellaneous Wall		
RWP	Rain Water Pipe	OBF	Open Board Fence		
SP	Stand Pipe	PCF	Post & Chain Fence		
SVP	Soil Vent Pipe	PF	Post & Fence		
UCB	Unable To Survey	PWF	Post & Rail Fence		
UCT	Unable To Trace	PWF	Post & Wire Fence		
UP	Under Pipe	RF	Railway Fence		
WP	Waste Pipe	STR	Stone Pier		
		SRW	Stone Retaining Wall		
		WBF	Wire Barbed Fence		

Linetype Key:


LEGEND
Survey Station
Boundary
Road Centre Line
Road Edge
Kerb
Footway
Edge of Carriageway
Edge of Verge
Edge of Hard Standing
Edge of Soft Standing
Edge of Grass
Edge of Vegetation
Edge of Trees
Edge of Hedge
Edge of Scrub
Edge of Bushes
Edge of Shrubs
Edge of Undergrowth
Edge of Ditch
Edge of Bank
Edge of Water
Edge of Reeds
Edge of Rushes
Edge of Sedge
Edge of Marsh
Edge of Pond
Edge of Stream
Edge of River
Edge of Canal
Edge of Lake
Edge of Pool
Edge of Fountain
Edge of Waterfall
Edge of Spring
Edge of Well
Edge of Tank
Edge of Reservoir
Edge of Sewage Treatment Plant
Edge of Water Treatment Plant
Edge of Pumping Station
Edge of Substation
Edge of Transformer
Edge of Generator
Edge of Switchgear
Edge of Control Panel
Edge of Meter
Edge of Valve
Edge of Hydrant
Edge of Manhole
Edge of Inspection Chamber
Edge of Gully
Edge of Grating
Edge of Cover
Edge of Lid
Edge of Hatch
Edge of Door
Edge of Gate
Edge of Barrier
Edge of Bollard
Edge of Post
Edge of Sign
Edge of Light
Edge of Lamp
Edge of Camera
Edge of Sensor
Edge of Antenna
Edge of Mast
Edge of Tower
Edge of Building
Edge of Wall
Edge of Fence
Edge of Railing