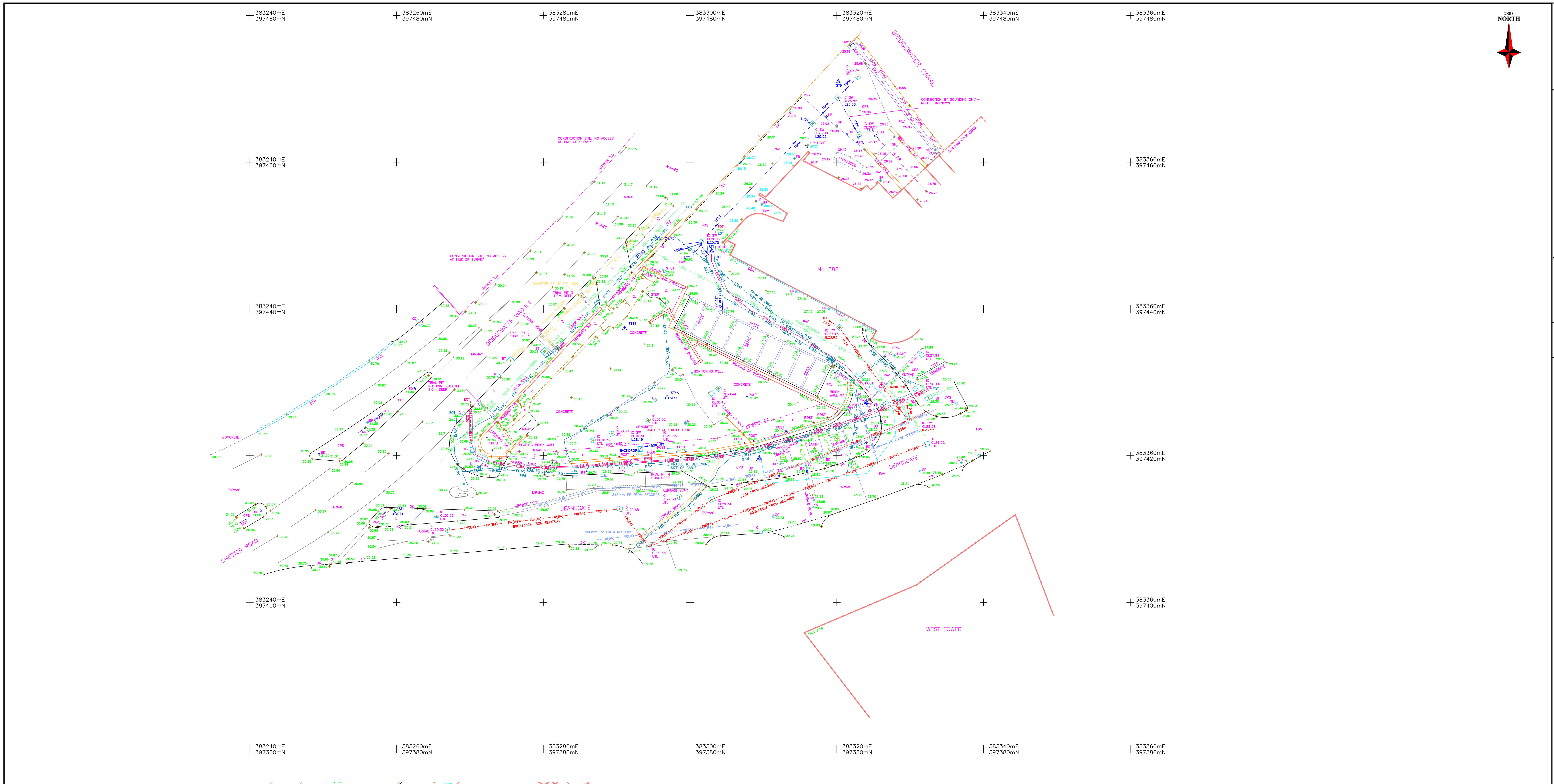
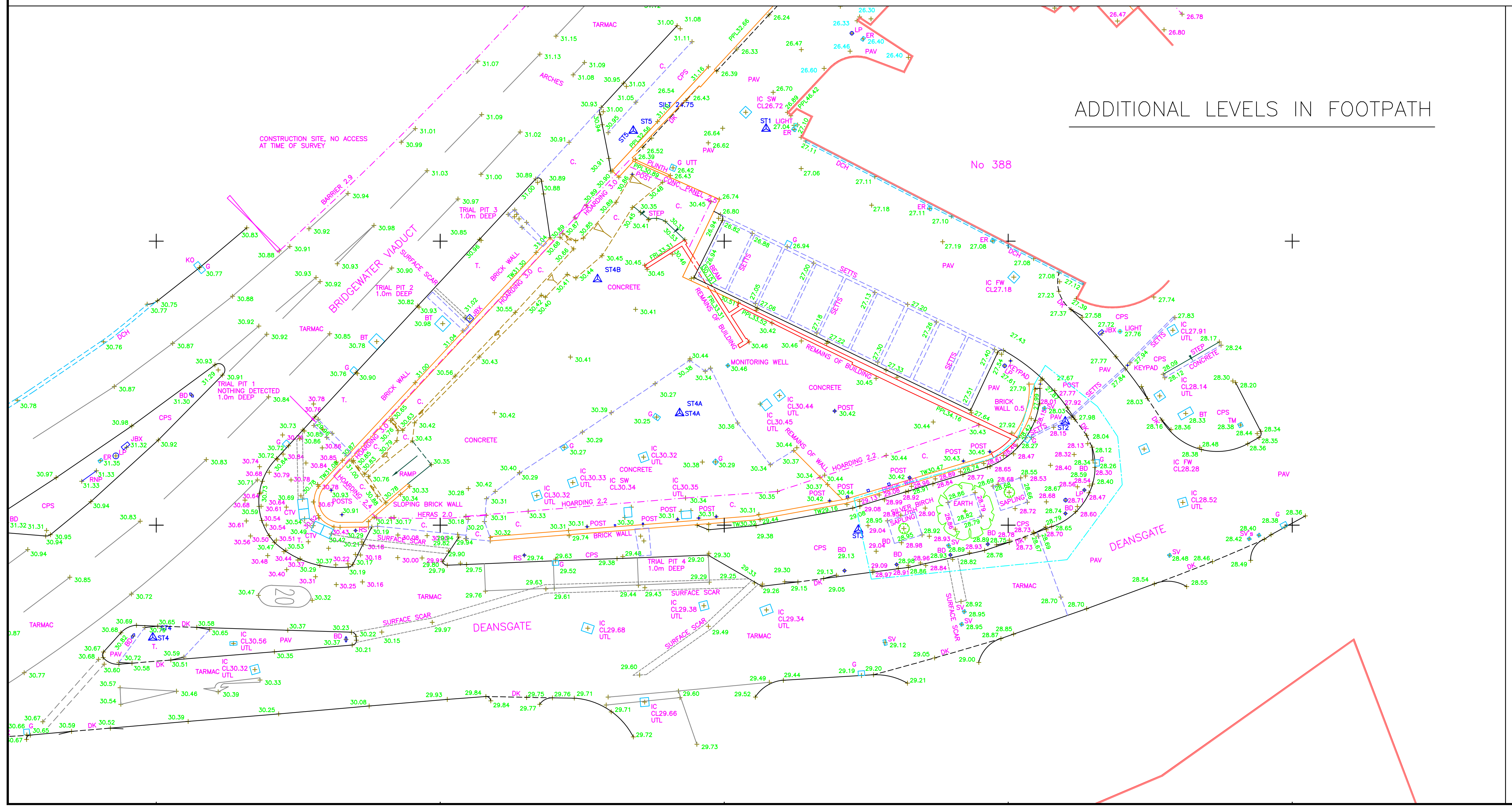
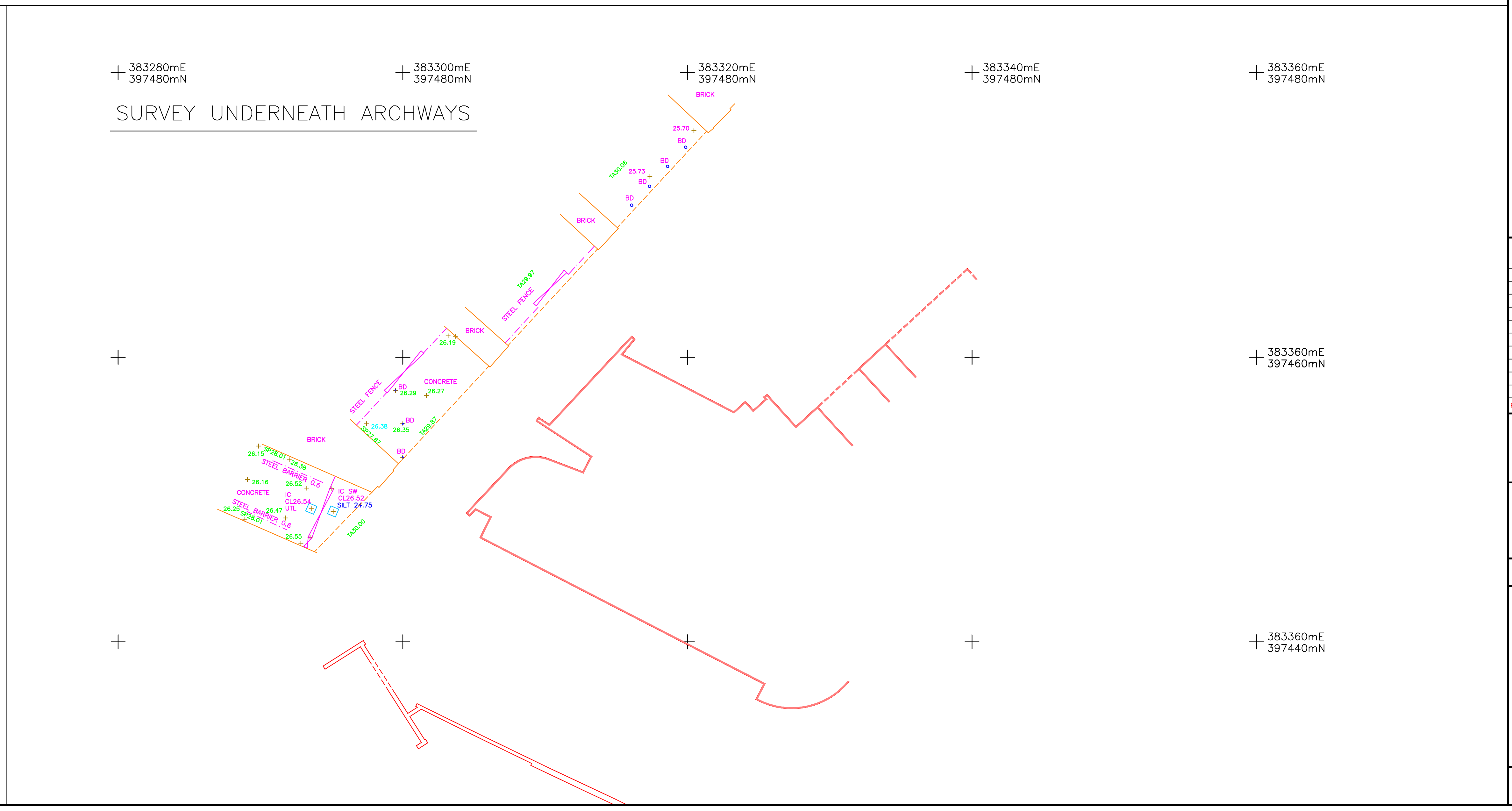




ADDITIONAL LEVELS IN FOOTPATH



SURVEY UNDERNEATH ARCHWAYS

Original Drawing Size: A0

NOTES:–

The accuracy and content of this drawing are dependent on the original specification and EDI should be consulted before use at other scales.

Where underground services are shown, all reasonable care has been taken within the spirit of the original specification and requirement. Before use of this information the user should consult EDI and satisfy themselves of the completeness and accuracy of such detail before undertaking any works. Due to the nature of this work and limitations imposed by ground conditions and the detection equipment no guarantee can be given that all services have been recorded. Trial holes should be dug at critical locations.

All reasonable care has been taken in the survey detail represented on this drawing but any discrepancies must be reported to EDI immediately.

Our aim is to produce the best possible results within the specification and cost constraints of our clients. Any comments are most welcome.

Levels shown at kerbs are channel level unless stated.

LEGEND

Features:

AB	Air Brick
ACU	Air Conditioning Unit
AV	Air Valve
BD	Bollard
BH	Borehole
BP	Boundary Post
BS	Bus Stop
BT	British Telecom
CL	Cover Level
COL	Column
CTV	Cable TV Cover
DCH	Drainage Channel
DF	Drinking Fountain
DIS	Disused
DK	Drop Kerb
DPC	Damp proof Course
EIC	Electricity IC
EJ	Expansion Joint
ER	Earth Rod
FB	Flower Bed
FH	Fire Hydrant
FHR	Fire Hose Reel
FS	Flagstaff
GV	Gas Valve
G	Gully
HR	Handrail
IC	Inspection Cover
IL	Invert Level
JBX	Junction Box
KO	Kerb Outlet
LB	Letter Box
LBN	Litter Bin
LLP	Low Level LP
LP	Lamp Post
MP	Marker Post
OHL	Overhead Line
OP	Overflow Pipe
PM	Parking Meter
PP	Power Pole
RAD	Radiator
RE	Rodding Eye
RNP	Road Name Plate
RS	Road Sign
RSD	Roller Shutter Door
RWP	Rain Water Pipe
SD	Service Duct
SV	Stop Valve
TCB	Telephone Call Box
THL	Threshold Level
TP	Telegraph Pole
TS	Traffic Signal
TW	Top of Wall
UB	Universal Beam
UNK	Unknown
UR	Urinal
UTL	Unable To Lift
V	Vent
VP	Vent Pipe
WM	Water Meter
WO	Wash Out
WP	Waste Pipe
VSB	Vehicle Safety Barrier

Building Level Details:

D	Door
EL	Eave Level
FFL	Floor Level
FRL	Flat Roof Level
HL	Head Level
PPL	Parapet Level
RL	Ridge Level
SL	Sill Level
SP	Springer of Arch
TA	Top of Arch
W	Window
12.34	Ceiling/Beam Soffit

Boundary Types:

BW	Barbed Wire
BKW	Brick Wall
CB	Close Boarded
CH	Chainlink
CI	Corrugated Iron
CP	Chestnut Paling
HM	Hit and Miss
IR	Iron Railing
IW	Interwoven
LL	Larch Lap
PAL	Palisade
PI	Picket
PR	Post & Rail
PW	Post & Wire
TKR	Timber Knee Rail
RTW	Retaining Wall
WMF	Wire Mesh Fence

Surfaces & Finishes:

B	Brickwork
BB	Breeze Block
C	Concrete
CLT	Ceiling Tiles
CP	Carpet
CPS	Concrete Paving Slabs
CPT	Carpet Tiles
CR	Concrete Render
CT	Ceramic Tiles
FT	Floor Tiles
HBD	Hardboard
L	Linoleum
P	Plaster
PAV	Brick Paviors
S	Steel work
T	Tarmac
TSP	Textured Safety Paving
VT	Vinyl Tiles

Building
Overhead Building Detail
Wall
Tree
Kerb/Drop Kerb
Survey Station
Fence
Gate
Painted Road Markings
Edge of Vegetation
Top
Bottom
Banks

Utilities

C(B*)	CATV Cables
E(B*)	Electricity Cables
FL(B*)	Fuel Pipes
G(B*)	Gas Pipes
SD(B*)	Service ducts
TC(B*)	Traffic Control
GPR(B*)	Unidentified GPR
W(B*)	Water pipes
	Overhead Lines
TFR	Taken From Records
	Extent of utility survey
CCTV(B*)	CCTV Cables
FO(B*)	Fibre Optic
FW(B*)	Foul Water Drain
HD(B*)	Heating duct
SW(B*)	Storm water drain
T(B*)	Telecom cables
EML(B*)	Unidentified EML
UN(B*)	Unidentified Trace
EOT	End Of Trace
UTT	Unable To Trace
NPV	No Pipes Visible
150ø	Pipe Diameter/Flow

Control: All levels and co–ordinates are related to the datums described.

The horizontal control of this survey is based on Ordnance Survey grid as translated from GPS coordinates using Leica's SmartNet service. We have applied a reverse scale factor to maintain true ground distances, based on station ST4A. The vertical control of this survey is based on OS datum as translated from GPS coordinates using the OSGM15 transformation as supplied by the OS. This may differ from the existing OS benchmarks in the area which should be disregarded; all levels should be taken from EDI survey stations.

This survey has been carried out to PAS 128 Detection Method M2: EML search transects at 5m intervals and 2m for GPR.

Utility Depths:–
Depths obtained by EML are to the centre of the utility
Depths obtained by GPR are to the top of the utility
All depths are shown in metres in the format 0.7d

Utility Confidence Levels:–
(A) Horizontal and vertical position verified visually
(Accuracy: Horizontal (±25mm) Vertical(±50mm)
(B1) Horizontal and vertical position detected by multiple methods
(Estimated Accuracy: ±150mm OR ±15% of detected depth)
(B2) Horizontal and vertical position detected by a single method
(Estimated Accuracy: ±250mm OR ±40% of detected depth)
(B3) Horizontal position detected by a single method
(Estimated Accuracy: ±500mm in the Horizontal – Depth is undefined)
(B4) A utility segment which is suspected to exist but has not been detected and is therefore shown as an assumed route
(C) Route transcribed from utility asset plans and correlated to visual indicators and surface features (accuracy undefined)
(D) Route transcribed from utility asset plans (accuracy undefined)

Station Schedule

Station	Easting	Northing	Level	Type
1	383302.948	397447.915	26.874	Hilti Nail
2	383324.019	397427.293	28.098	Hilti Nail
3	383309.447	397419.679	29.076	Hilti Nail
4	383259.756	397412.085	30.679	Road Nail
5	383293.595	397447.764	31.081	Hilti Nail
6	383323.876	397482.225	31.470	Hilti Nail
7	383346.991	397530.017	31.915	Hilti Nail
4A	383296.858	397427.889	30.296	Hilti Nail
9	383320.200	397470.949	25.749	Hilti Nail

Rev.	Job No.	Date	Revision Detail	Surveyor	Chkd
C	21511	09/23	Trial Pit update	AR	RA
B	21511	09/23	Buried Utilities Recording of 3 Trial Pits	AK	LW
A	20755	09/22	Additional levels and survey extension	LF	TA

CLIENT

Fusion Manchester Devco Ltd
1st Floor
506 Centennial Park
Elstree
WD6 3FG

PROJECT

Topographic & Utilities Survey
Deansgate
Manchester
M3 4LB

Job No.	Surveyor	Checked	Date	Scale
19147	T.Cosgrove	AR	Nov. 2020	1:200

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DRAWING No. 19147/T/01–01
REV. C