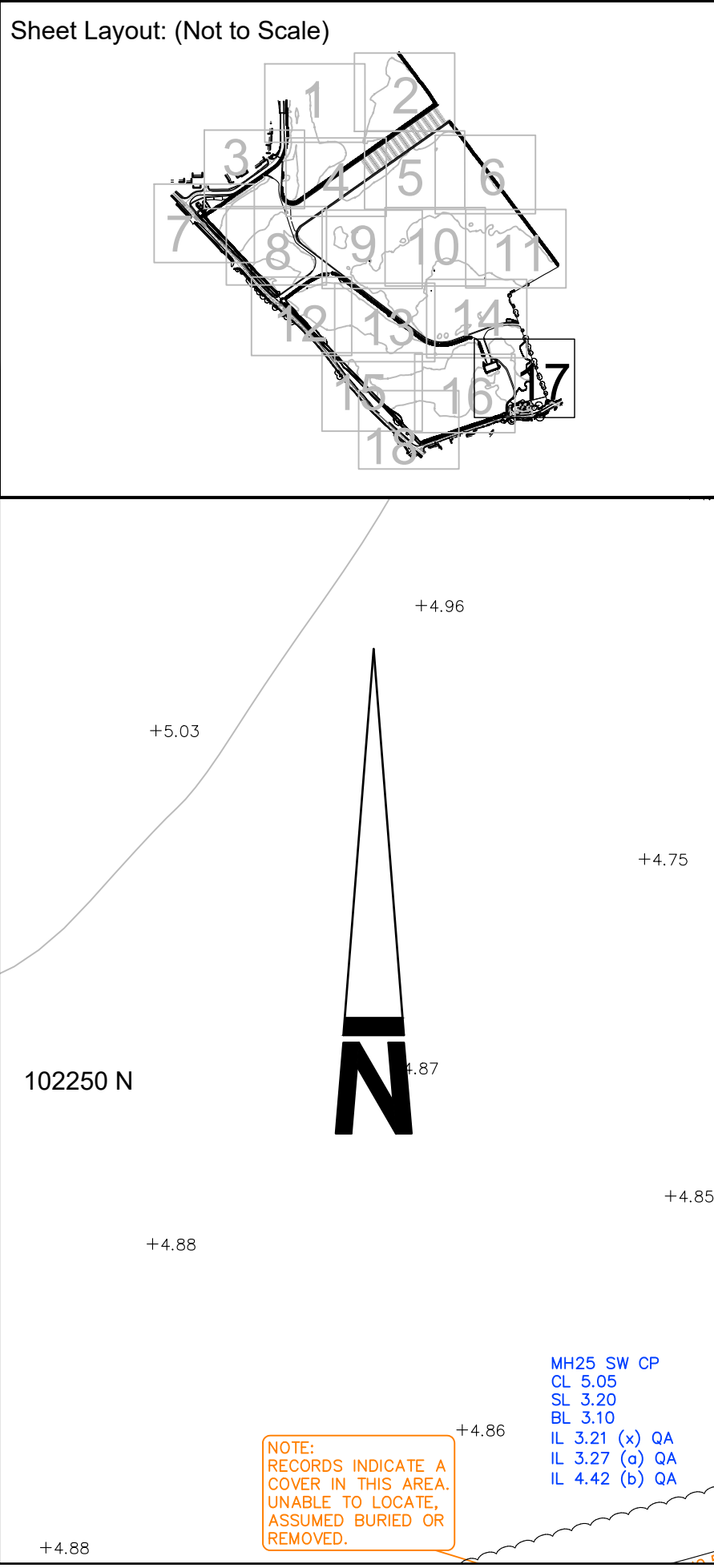
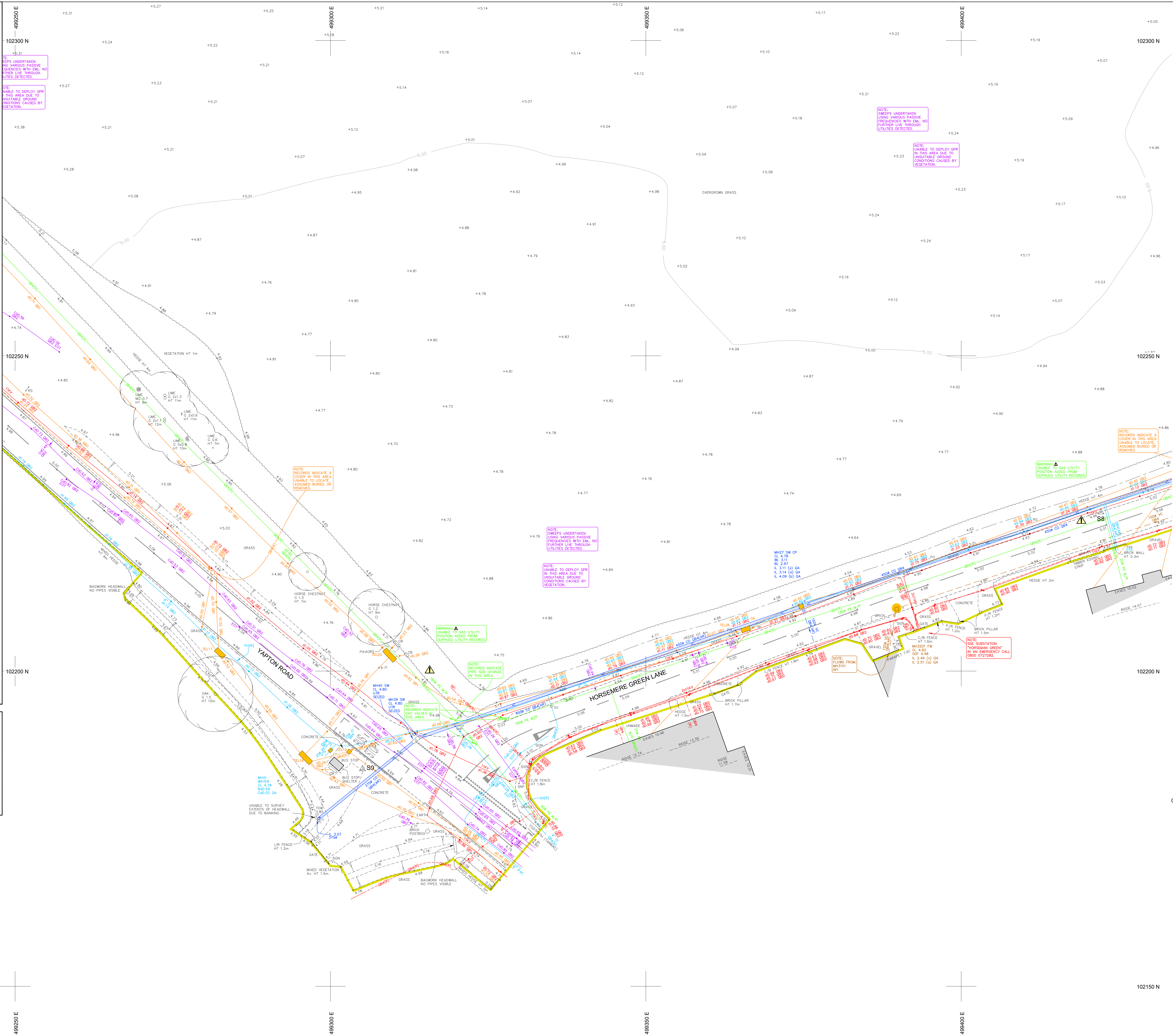
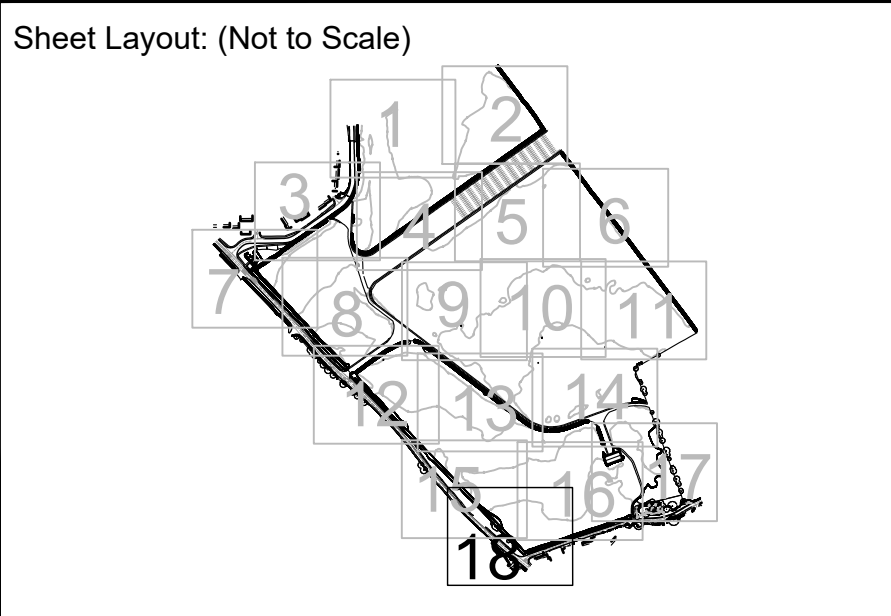




Coordinate Table				
Station	Description	Easting	Northing	Level
S1	ROAD NAIL	489964.248	102757.303	7.043
S2	ROAD NAIL	489956.190	102635.535	6.930
S3	ROAD NAIL	489931.357	102580.846	6.915
S4	ROAD NAIL	489947.710	102447.171	6.944
S5	ROAD NAIL	490438.716	102422.143	5.748
S6	ROAD NAIL	489499.299	102362.939	5.525
S7	ROAD NAIL	489499.299	102352.904	4.472
S8	ROAD NAIL	490422.142	102225.194	4.977
S9	ROAD NAIL	489305.075	102184.460	4.715
S12	ROAD NAIL	489027.723	102492.170	5.435
S13	ROAD NAIL	489844.104	102562.100	6.815
S14	HILTI NAIL	488843.108	102690.224	6.793
S15	ROAD NAIL	488862.130	102740.704	6.789
S16	ROAD NAIL	489027.723	102715.252	6.815
S17	ROAD NAIL	489580.787	102528.252	4.828
S10	ROAD NAIL	490440.855	102823.120	6.584

DETECTION SURVEY REPORT

GENERAL

This survey was carried out in accordance with PAS 128:2022 (Publicly Available Specification from BSI). After a pre-survey consultation with the client it was agreed to carry out the detection survey using methodology M1 as per Table 2 of the PAS 128:2022. The survey boundary has been shown on the drawing; please see linestyle section of the key for reference.

DETECTION SURVEY
DRAINAGE
Drainage was lifted with pipe, since no insect loads recorded. Moreover, possible the chamber

WATER
Water utilities have been successfully detected using EML and GPR techniques with depths recorded electronically and to the crown of the pipe. Undetected utilities have been drawn up from supplied utility record drawings. Recommend trial excavations to verify position and depths in critical areas.

GAS
Gas utilities have been detected through GPR techniques with depths recorded to the crown of the pipe. Undetected utilities have been added from supplied record drawings. Recommend trial excavations to verify depth and positions in critical areas.

ELECTRICITY
Electricity utilities have been successfully detected through EML and GPR methods with depths recorded electronically and to the crown of the duct. Undetected utilities have been drawn in from supplied records. Recommend trial excavations to verify depth and positions in critical areas.

TELECOM
Telecom ducts have been traced with depths recorded. Due to laws protecting British Telecom apparatus all ducts have been located using remote detection techniques only and compared with record information. Chamber sizes have been recorded using GPR techniques wherever possible. For further information regarding RT apparatus please contact Openreach directly.

CATV
There were no additional CATV utilities detected on site. This matches the supplied records that do not show any affected utilities.

Some unknown targets identified on the drawing using GPR are classified as "non-linear targets". These are not consistent with what we expect to see when identifying a buried utility, and appear on the drawing as single targets with depths (i.e. not linking two or more depth readings). This does not mean they are not utilities, we are just unable to positively identify them as a utility. We would strongly recommend that further verification surveys (PAS

128:2022 survey type A) are carried out to identify these targets in critical areas. Unknown anomalies located using EML or GPR techniques with electronically derived depths recorded where possible. Recommend trial excavations to confirm identity position and depths in critical areas.

PAS 128:2022 Quality Level Guide

Quality Level	Description	Accuracy
QB4 [CL-B4]	A life is expected to exist but cannot be detected - (AR), (R), (V)	Uncertain
QB3 [CL-B3]	Horizontal location only using one geophysical technique.	+/- 500mm Horizontal
QB2P [CL-B3P]	Horizontal location only using two geophysical techniques.	+/- 500mm Horizontal
QB2 [CL-B2]	Horizontal and vertical location only using one geophysical technique.	+/- 250mm or +/- 40% of depth whichever is greater
QB1 [CL-B1]	Horizontal and vertical location only using two geophysical techniques.	+/- 100mm or +/- 15% of depth whichever is greater
QA [CL-A]	Service verified in an open excavation, inside an inspection chamber/ man pit, or at the point the service enters the ground.	+/- 50mm Horizontal +/- 50mm Vertical

Desktop Utility Records		
Utility Type	Provider Details	Date Acquired
Drainage	Southern Water	06/07/2023
Water	Purtoomh Water	06/07/2023
Gas	SGN	06/07/2023
Electricity	Scottish and Southern Electricity Networks	06/07/2023
Telecom	Openreach	06/07/2023
CATV	Not Affected	Not Applicable
Tunnels & Pipelines	Unesaad before Udig	06/07/2023

Topographical and PAS 128:2022 Utility Survey

Victory Group

Vistry Group

Ford Airfield
Arundel
West Sussex

West Sussex

1:200	A0	18	August 2023	
Project Number:	Rev:	Surveyed by:	Checked by:	Approved by:
00000	-	JMTC/LLW	AL/AG	CB/NE

mk surveys

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