

IT Trenching Works Wentworth Castle Gardens

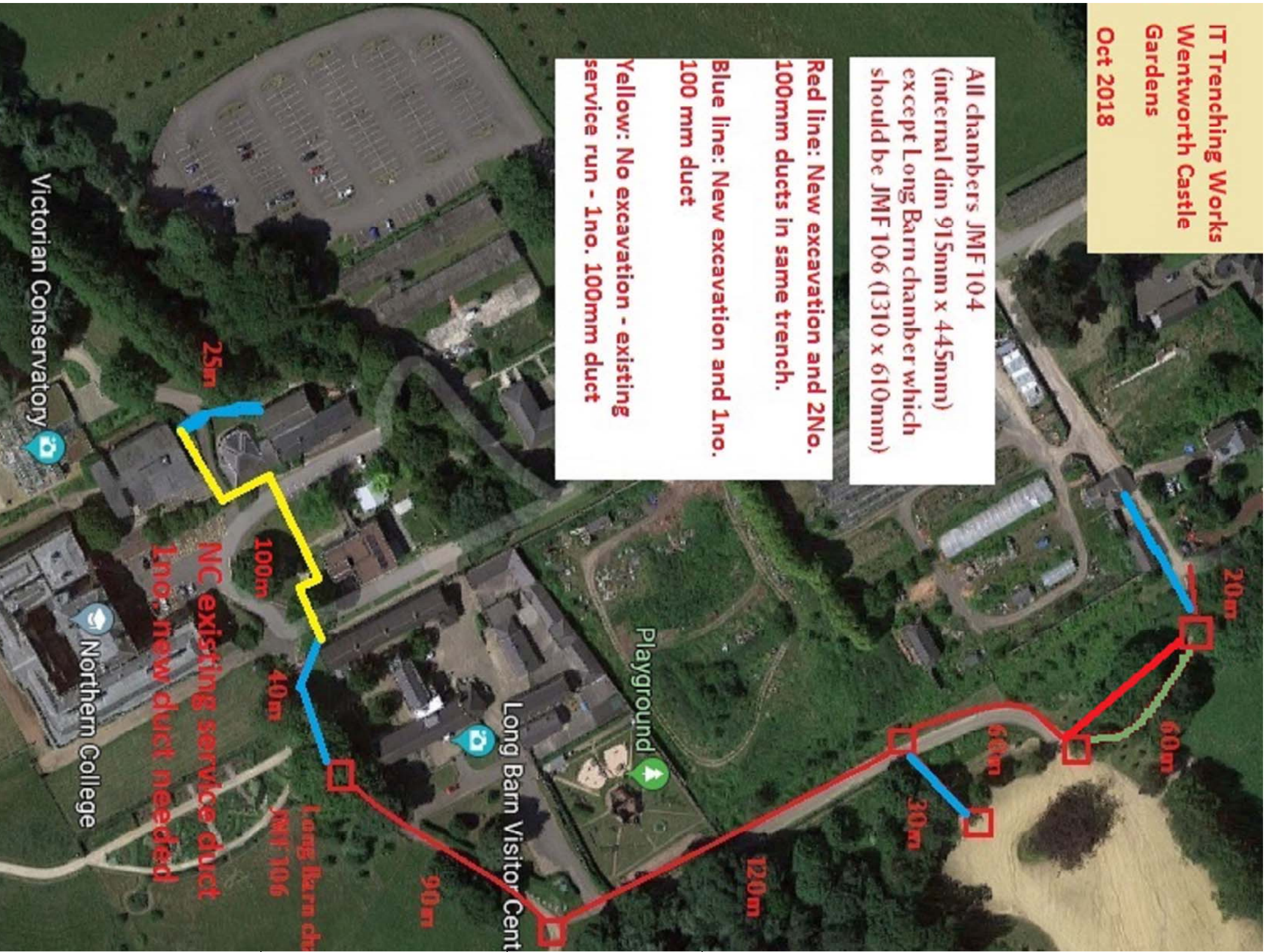
Oct 2018

All chambers JMF 104
(internal dim 915mm x 445mm)
except Long Barn chamber which
should be JMF 106 (1310 x 610mm)

Red line: New excavation and 2No.
100mm ducts in same trench.

Blue line: New excavation and 1no.
100 mm duct

Yellow: No excavation - existing
service run - 1no. 100mm duct



This drawing must not be scaled.

The Principal Contractor is to verify all dimensions, levels and datum prior to commencement of work.

Any discrepancies are to be reported immediately to the Building Surveyor.

Variances and modifications to the work shown on these drawings are not to be carried out without the written permission of the Project Manager.

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Excavations for IT infrastructure: contractor to excavate trench to a minimum depth of 450mm and 350mm wide. For heavily trafficked areas the depth should be increased to 600mm. For stony/rocky ground the duct should be laid in a bed of sand or pea gravel to prevent damage during backfill and movement.

Ducting: Supply and install 100mm H.D.P.E duct as per layout drawing. Duct to have 3.5mm or 5mm wall thickness. The internal wall of the duct must be smooth to prevent snagging.

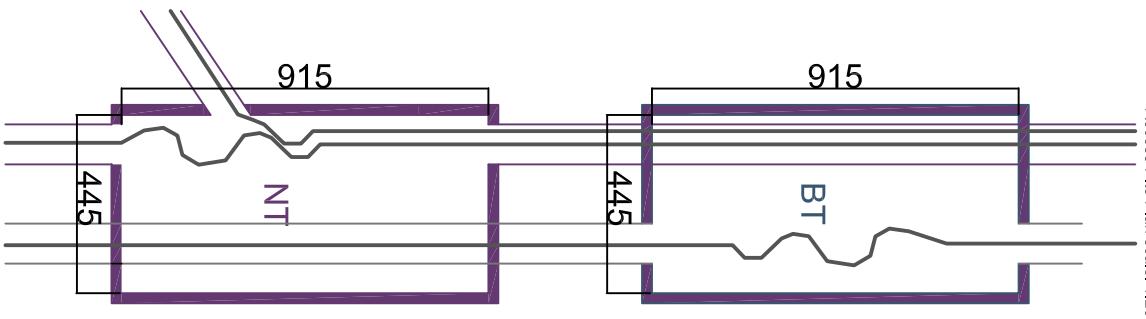
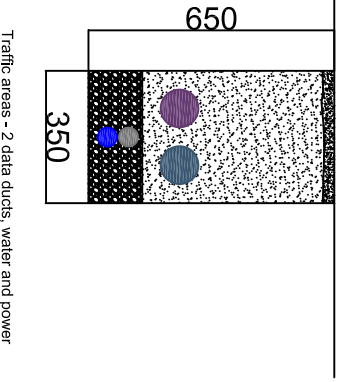
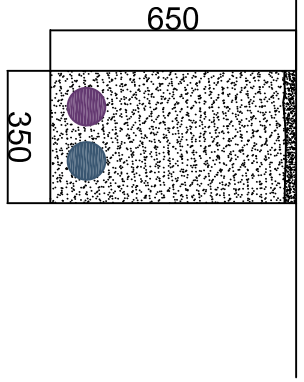
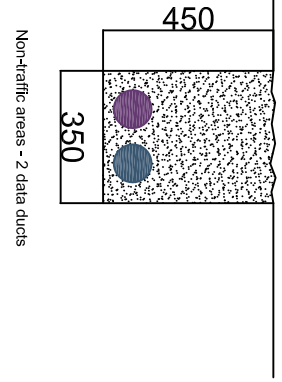
Access pits: these will be installed between 75m to 100m along the run and at any point where there is a bend in the route as per drawing.

The bottom of the access pit will be prepared with type 1 material to form a hard standing base. The pits will then be installed as per manufacturers instructions. Composite covers with steel frames complete this structure. Lids are available to withstand different loads and will be fitted accordingly. Lids should be concrete infill for roadways and recessed for grassed areas.

Power and data separation: separate ducts installed to prevent interference between power and data. Power must not be above IT in the trench. If the trench is too narrow for side by side then IT must go at the top above power and 60mm apart (BS5671-92). Water pipes must always be in the bottom of the trench to prevent any interference.

Trench Depths Section scale: 1:20

Access Pits Plan scale: 1:20



DO NOT SCALE

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REVISION	NO	DATE	DETAILS

NOTES

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EST/ITER/ROBERTY
Wentworth Castle Garden

DRAWING TITLE
Proposed trenching

DRAWN BY SD	DATE Jan '19
SCALE 6/42 NTS	PROPERTY REFERENCE
DRAWING NO 	REV B