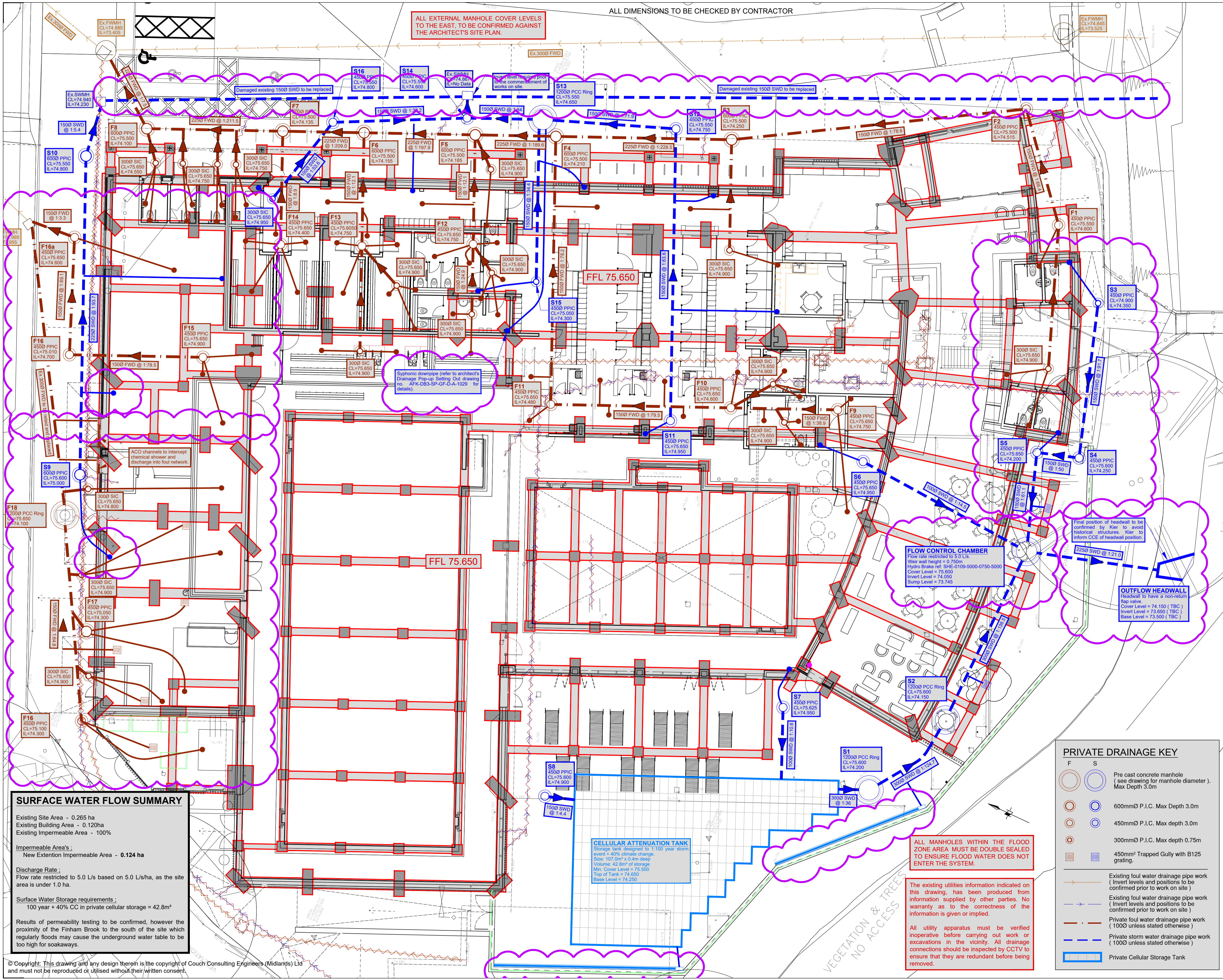


ALL DIMENSIONS TO BE CHECKED BY CONTRACTOR

ALL EXTERNAL MANHOLE COVER LEVELS TO THE EAST, TO BE CONFIRMED AGAINST THE ARCHITECT'S SITE PLAN.

General Notes - Private Drainage

- 1. The Contractor shall check all tie-ins for line and level with existing before commencing any works. The Engineer shall be notified immediately, in writing, should any errors be found.
2. Any discrepancies, of whatever nature, must be reported to the Engineer prior to the commencement or continuation of any further works. It is the responsibility of the contractor to locate any service apparatus in the vicinity of the works. The Engineer will accept no claims whatsoever in respect of any losses or damage caused in respect of such apparatus, however caused.
3. It is the responsibility of the Contractor to execute the works at all times in strict accordance with the requirements of the Health and Safety At Work Act 1974, and CDM regulations 2007. The contractor will be deemed to have allowed for full compliance, including full liaison with the planning supervisor, within his rates.
4. All private drainage works to be in accordance with the requirements of Building Regulations 2000, Part H, "Drainage and waste disposal". Pipes with less than 600mm cover to be protected in accordance with Part H, Diagram 11.
5. All pipes to be 100 or 110mm dia. and laid at min 1 in 80 unless stated otherwise.
Pipes to be PVC-U to BS EN 1401 Polypipe 'Ridgdrain' or similar or CLAY to BS EN 295.
All pipes shall be laid with soffits level unless stated otherwise.
All SVP's & RWP's to have a vertical rodding access positioned above ground level.
Exact position of all SVP's & RWP's and setting out of these items to be confirmed by Architect.
6. All pipes, chambers and fittings to be installed, bedded and backfilled in accordance with the manufacturers instructions. All connections to be turned in direction of flow using pipe bends.
7. Pipes which run adjacent to buildings shall be installed in strict accordance with Part H, Clauses 2.23 to 2.25.
8. All manholes and inspection chambers situated in areas subject to vehicular loading to have class B125 covers and frames to BS EN124 and those not subject to vehicular loading to have class A15 covers and frames. Pre-formed channels are to be used in manholes where applicable. Granolithic concrete benching to be steel trowelled to a dense smooth face neatly shaped and finished to all branch connections.
9. All drains in the vicinity of existing or proposed trees to be constructed in accordance with the requirements of NHBC Practice Note 3.
10. Private drainage frames must be tied to manhole risers by use of manufacturers ties (eg. Polypipe ref FRK500 fixing kit and FRK501 black ties). The ground works contractor will be held fully responsible for any accidents due to incorrect fitting or failure to use the correct manufacturers fixing equipment.
11. Any existing land drains encountered on site during construction to be re-connected.
12. Should any departure from the slab level be considered, agreement shall be sought from the Engineer immediately and prior to commencement or continuation of any works, and should take full account of all restrictions to the slab level.
13. All dimensions in metres unless otherwise stated.



SURFACE WATER FLOW SUMMARY
Existing Site Area - 0.265 ha
Existing Building Area - 0.120ha
Existing Impermeable Area - 100%
Impermeable Area's:
New Extension Impermeable Area - 0.124 ha
Discharge Rate:
Flow rate restricted to 5.0 L/s based on 5.0 L/s/ha, as the site area is under 1.0 ha.
Surface Water Storage requirements:
100 year +40% CC in private cellular storage = 42.8m³
Results of permeability testing to be confirmed, however the proximity of the Finham Brook to the south of the site which regularly floods may cause the underground water table to be too high for soakaways.

CELLULAR ATTENUATION TANK
Storage tank designed to 1:100 year storm event +40% climate change.
Size: 107.0m³ x 0.4m deep
Volume: 42.8m³ of storage
Min. Cover Level = 75.500
Top of Tank = 74.650
Base Level = 74.250

ALL MANHOLES WITHIN THE FLOOD ZONE AREA MUST BE DOUBLE SEALED TO ENSURE FLOOD WATER DOES NOT ENTER THE SYSTEM.

The existing utilities information indicated on this drawing, has been produced from information supplied by other parties. No warranty as to the correctness of the information is given or implied.
All utility apparatus must be verified inoperative before carrying out work or excavations in the vicinity. All drainage connections should be inspected by CCTV to ensure that they are redundant before being removed.

PRIVATE DRAINAGE KEY
F S
Pre cast concrete manhole (Invert levels and positions to be confirmed prior to work on site). Max Depth 3.0m.
600mmØ P.I.C. Max Depth 3.0m.
450mmØ P.I.C. Max depth 3.0m.
300mmØ P.I.C. Max depth 0.75m.
450mm² Trapped Gully with B125 grating.
Existing foul water drainage pipe work (Invert levels and positions to be confirmed prior to work on site)
Existing foul water drainage pipe work (Invert levels and positions to be confirmed prior to work on site)
Private foul water drainage pipe work (1000 unless stated otherwise)
Private storm water drainage pipe work (1000 unless stated otherwise)
Private Cellular Storage Tank

Table with 4 columns: REV, AMENDMENT, BY, DATE. Rows include P04, P03, P02, P01 and REV.

PROJECT EXECUTION CLASS: N/A
All materials supplied in relation to those specified on this drawing are to be CE marked in accordance with the European Union Declaration of conformity

PLANNING ONLY

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KIER
PROJECT: ABBEY FIELDS SWIMMING POOL, KENILWORTH
DRAWING TITLE: PRIVATE DRAINAGE LAYOUT
SHEET SIZE: A1 SCALE: 1:100 DATE: OCT 2020 DRAWN: OJB CHECKED: MS STATUS: S3
CCE PROJECT No: c8404 DRAWING No: AFK-CCE-00-00-D-C-0310 REV: P04