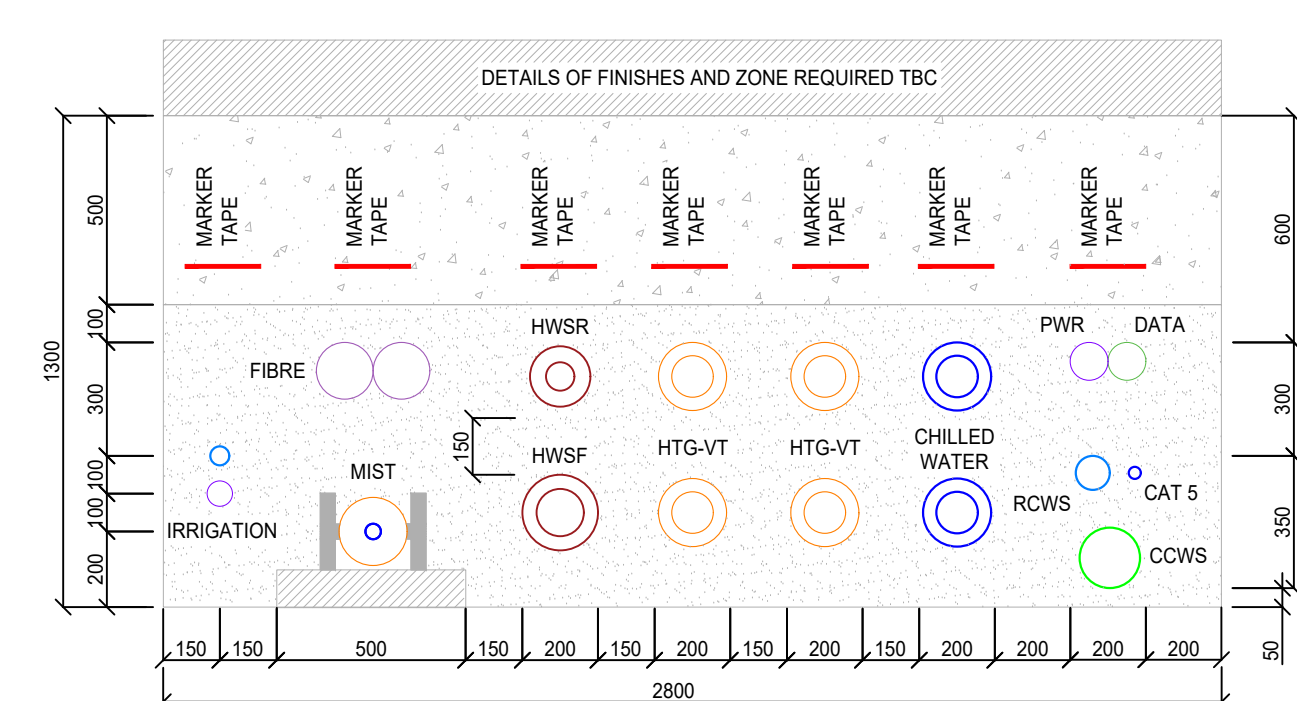
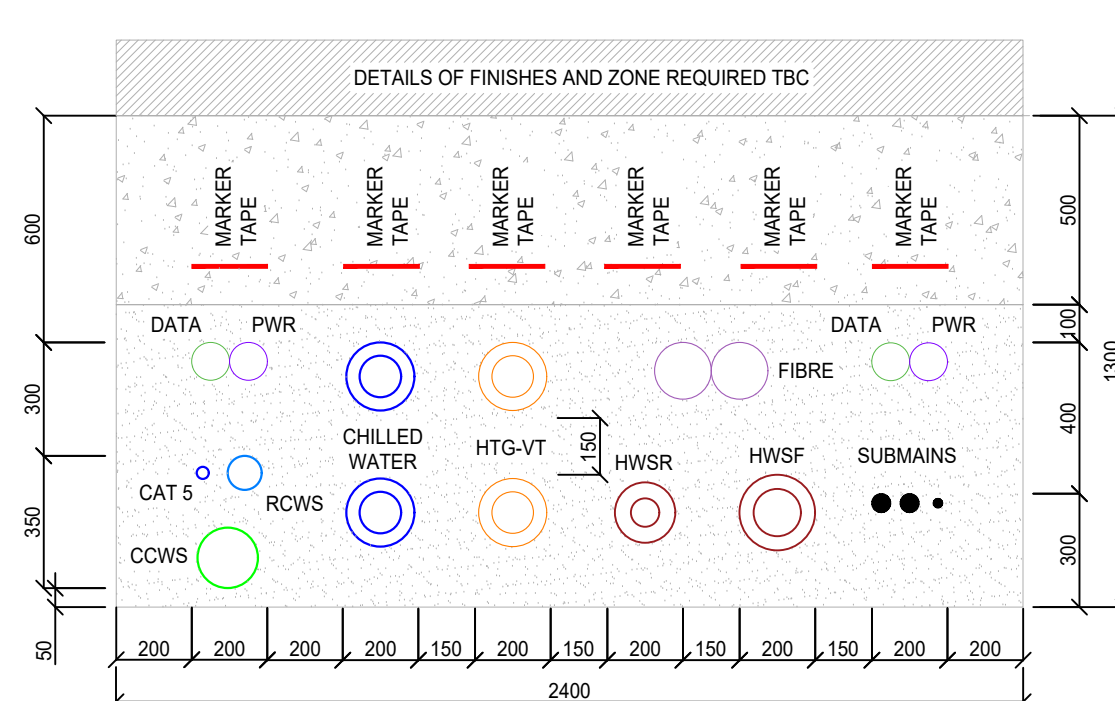
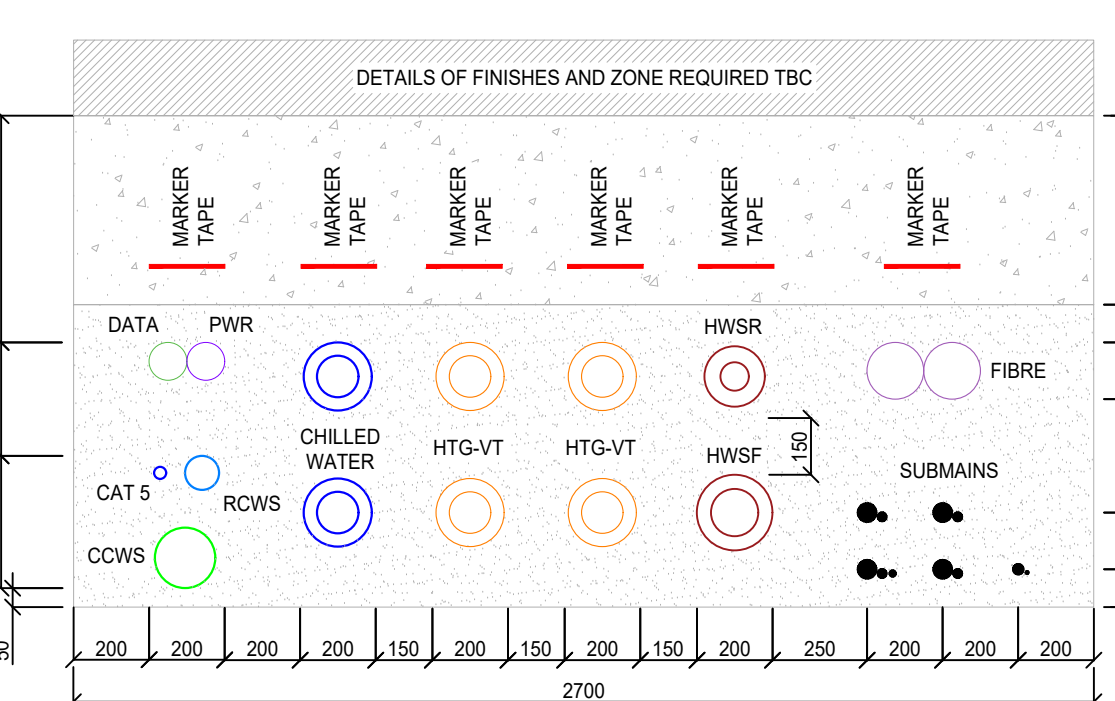




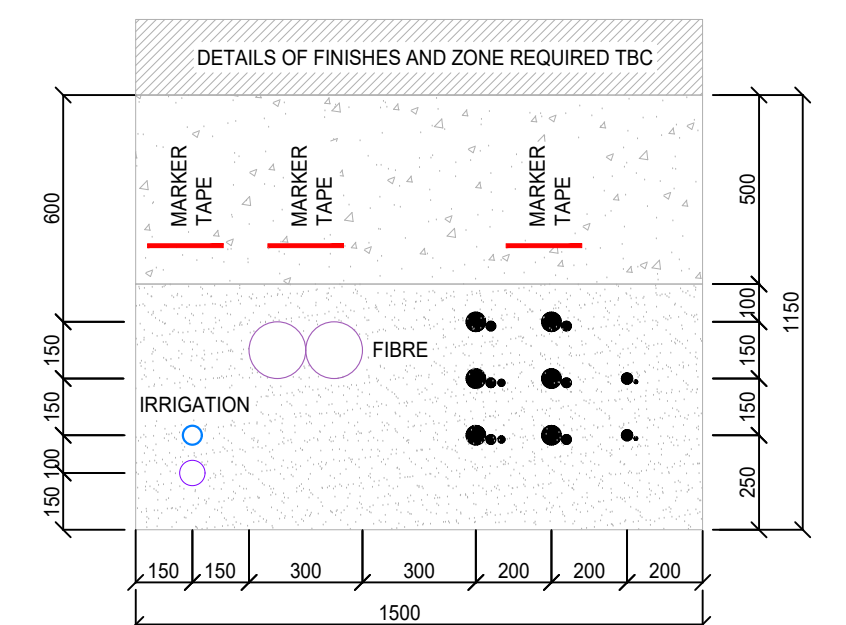
EXTERNAL SERVICE TRENCH - SECTION TR01  
SCALE - 1:20



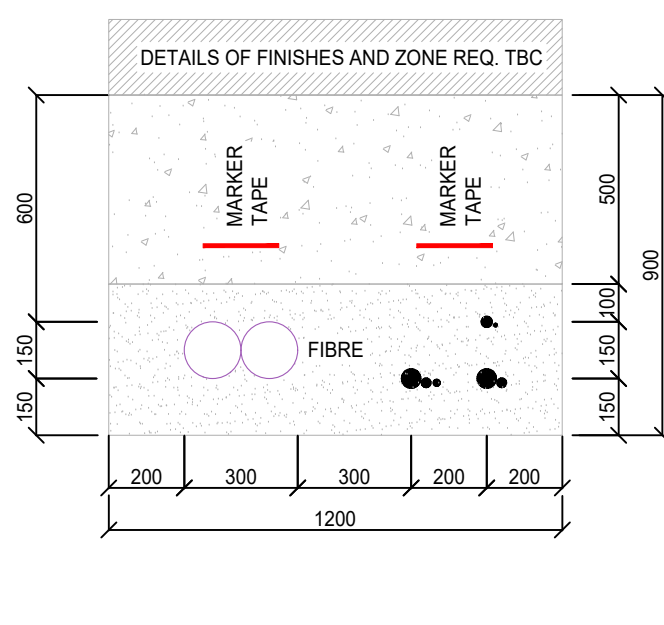
EXTERNAL SERVICE TRENCH - SECTION TR02  
SCALE - 1:20



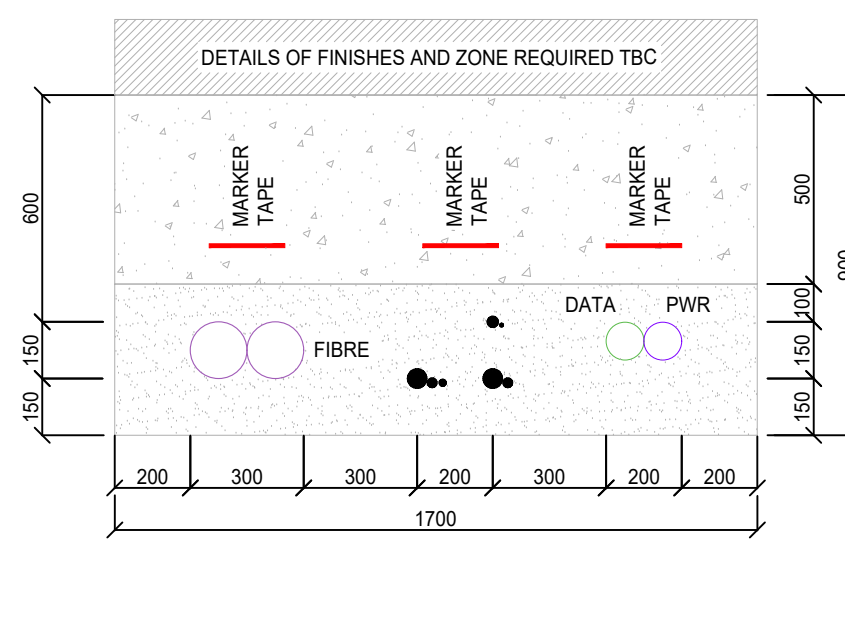
EXTERNAL SERVICE TRENCH - SECTION TR03  
SCALE - 1:20



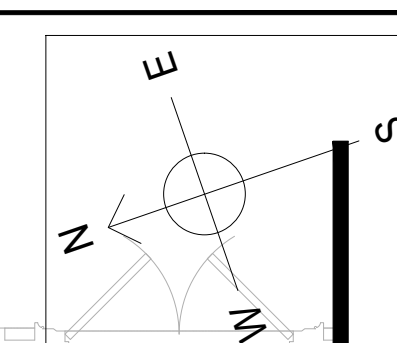
EXTERNAL SERVICE TRENCH - SECTION TR04  
SCALE - 1:20



EXTERNAL SERVICE TRENCH - SECTION TR05  
SCALE - 1:20



EXTERNAL SERVICE TRENCH - SECTION TR06  
SCALE - 1:20



**DIMENSIONS**  
Figured dimensions are to be taken in preference to scaled dimensions. All dimensions are to be verified on site prior to work commencing.

**DISCREPANCIES**  
Any discrepancy is to be referred to the consultant before proceeding.

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**RELATED DOCUMENTS**  
This drawing shall be read in conjunction with the written specification when appropriate.

**LEGEND**

- |        |                                                                                                                                                                                                                        |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BCWS   | BOOSTED R/W COLD WAT. SUPPLY                                                                                                                                                                                           |
| RCWS   | BOOSTED SLOWED COLD WAT. SUPPLY                                                                                                                                                                                        |
| HTG    | HEATING R/W FLOW AND RETURN (DIP AIR COOLERS)                                                                                                                                                                          |
| CHTS-V | UPH/V CHILLED WATER PIPEWORK (SPACE HEATING)                                                                                                                                                                           |
| HWSF   | DOMESTIC HOT WATER PIPING (SUPPLY)                                                                                                                                                                                     |
| HWBSF  | DOMESTIC HOT WATER PIPING (RETURN)                                                                                                                                                                                     |
| HWB    | 1500 DUCT FOR FIBRE IT/ INFRASTRUCTURE                                                                                                                                                                                 |
| CATS   | CAT 5 WATER SUPPLY: SIZE AS NOTED                                                                                                                                                                                      |
| ELC    | ELECTRICAL SURNAME CABLES: DIRECT IRRIGATION PIPEWORK & DUCTS (REFER TO HYDRAUL) FOR FURTHER INFORMATION                                                                                                               |
| OP     | DUCT FOR LOCAL POWER & LIGHTING CABLEING<br>1000 DUCT FOR A/V LIGHTING CABLEING (TIG BY CONTRACTOR) TO SUIT LIGHTING DESIGN                                                                                            |
| Q      | UPPER WATER GULLY (SEE ELECTRICAL ENGINEERS DRAWINGS FOR FURTHER DETAILS)                                                                                                                                              |
| DP     | 3000x300mm DRAW PIPING FOR LIGHTING / POWER / AV CABLEING                                                                                                                                                              |
| NR     | 450x450mm DRAW PIP FOR FIBRE IT/ INFRASTRUCTURE                                                                                                                                                                        |
| LET    | IRRIGATION SYSTEM VALVE BOX (REFER TO HYDRAUL) FOR FURTHER INFORMATION)<br>3000x1 x 3000x1 + 1500x1 (APPROX) EXTERNAL W/WEATHER PROOF ENCLOSURE FOR EXTERNAL LIGHTING FIXTURES (TIG BY CONTRACTOR) FOR LIGHTING DESIGN |
| IPIS   | EXTERNAL IP RATED TYPED SOCKET OUTLET                                                                                                                                                                                  |
| IPIS   | EXTERNAL IP RATED TYPED SOCKET OUTLET WITHIN IN-GROUND SLAB AND LOWER FRAME. PRECISE SPECIFICATION REQUIRED                                                                                                            |
| IPIS   | EXTERNAL IP RATED TYPED SOCKET OUTLET WITHIN IN-GROUND SLAB. PRECISE SPECIFICATION REQUIRED (TIG WITH SPECIALIST)                                                                                                      |
| IPIS   | EXTERNAL IP RATED SPEAKER - REFER TO A/V SPECIALISTS FOR INFORMATION FOR FURTHER DETAILS                                                                                                                               |
| SUB    | EXTERNAL IP RATED SUBWOOFER - REFER TO A/V SPECIALISTS FOR INFORMATION FOR FURTHER DETAILS                                                                                                                             |
| EMT    | LIGHTNING PROTECTION TREAT / CABLE ROUTE<br>BELOWGROUND REFER TO PTSG FOR FURTHER DETAILS                                                                                                                              |
| EMT    | LIGHTNING PROTECTION 400x400mm COPPER LATHING EARTH MAT BARRIED WITHIN IN-GROUND SLAB. REFER TO PTSG FOR FURTHER DETAILS                                                                                               |

FOR CONTINUATION REFER TO DRAWING: THIF01-VEC-XX-00-DR-U-0017

|    |                                                                      |     |    |            |
|----|----------------------------------------------------------------------|-----|----|------------|
| P3 | COURTYARD LAYOUT ALIGNED WITH ADAM & ISSUED FOR PLANNING             | SJF | CJ | 30.04.2026 |
| P2 | MINOR UPDATES TO SUIT COMMENTS ISSUED FOR PLANNING                   | SJF | CJ | 30.04.2026 |
| P1 | PRELIMINARY ISSUE FOR COMMENT AND COORDINATION WITH DESIGN TEAM / SG | SJF | CJ | 22.04.2026 |

ARCHITECT

ADAM ARCHITECTURE

Private

Private

PROJECT  
Tottenham House  
Wiltshire

**Mechanical & Electrical Services**  
Main House Front Courtyard  
External Services  
Layout (1 of 4)

DRAWING NUMBER  
THIF01-VEC-XX-00-DR-U-0016

|              |                |                    |                |
|--------------|----------------|--------------------|----------------|
| DRAWN<br>SJF | DESIGNED<br>CJ | SCALE @ A3<br>1:50 | REVISION<br>P3 |
|--------------|----------------|--------------------|----------------|



**BUILDING SERVICES CONSULTANTS**

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FOR CONTINUATION REFER TO DRAWING: THIF01-VEC-XX-00-DR-U-0018