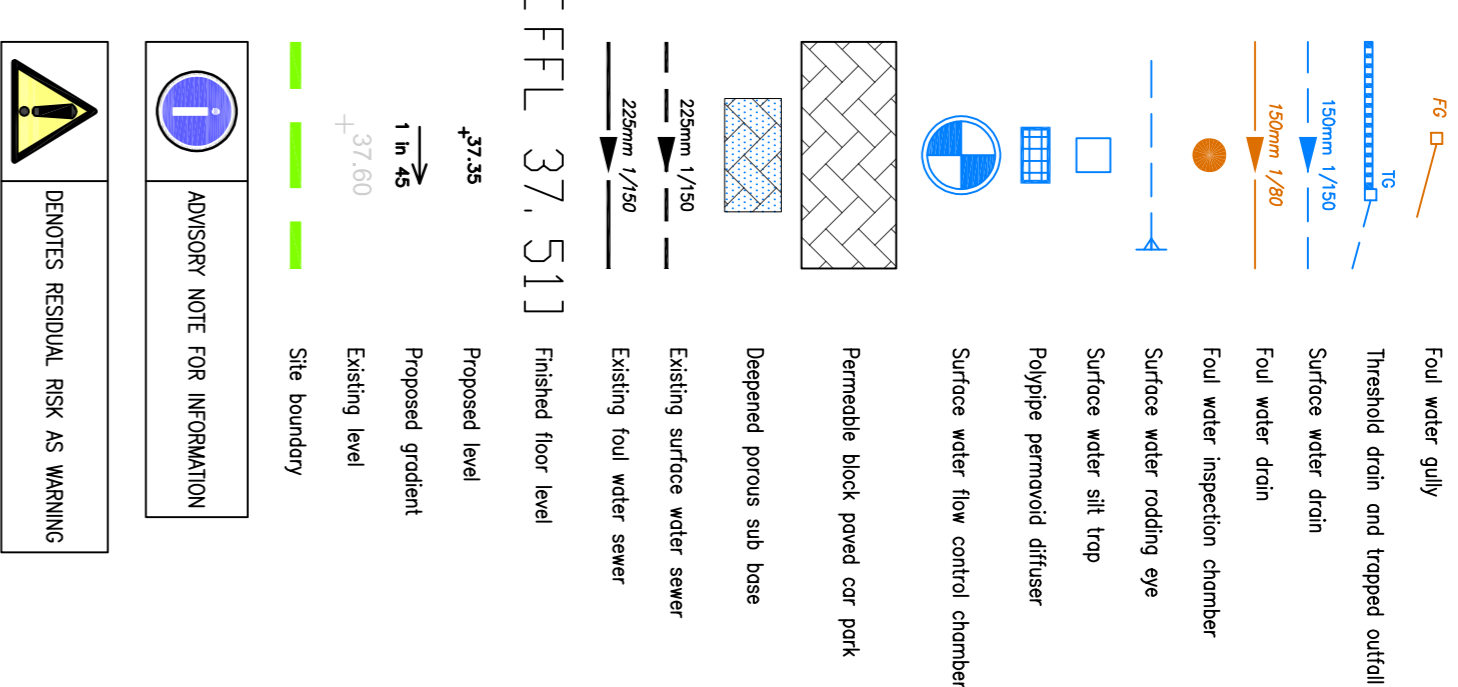


DO NOT SCALE

ENGINEERING NOTES

- This drawing is to be read in conjunction with all relevant Architects, Engineers and Subcontractors drawings and details.
- This drawing is based on topographical survey by Greenhatch: Drawing Number 48127.1 Dated 03/08/23
- All levels relate to levels given on survey drawing.
- Refer to Architects drawing for details of all pointing types & patterns, soft landscaping, fences, gates & bollards.
- For lighting, service supplies & cabling requirements, refer to M&E drawings.
- All works to be carried out in accordance with Sweets for Adoption of British Standards, the current edition of the Building Regulations "Approved Document H".
- New drainage connections are to be made with appropriate lengths of section pipe & couplings.
- All manhole chamber covers to be installed parallel to front kerbs, eadings, pointing joints or building lines as appropriate.
- The drawing details of below ground drainage up to finished floor level, For details of drainage above finished floor level, refer to Architects drawings.
- All attic connections under buildings to be minimum 100mm diameter solid PVC-U to BS EN 1401-1/BS4660 & laid at a minimum gradient of 1 in 40 unless otherwise noted. If the stack is to be increased to match it.
- All pipe connections to be minimum 100mm diameter solid PVC-U to BS EN 1401-1/BS4660 & laid at a minimum gradient of 1 in 80 unless otherwise noted. If the gwp is greater than 100mm then the diameter of the connection is to be increased to match it.
- All private foul & surface water pipework up to 150mm in diameter to be PVC-U to BS EN 1401-1/BS4660.
- Concrete manholes shall comply with BS EN 1917 and BS 5911-3.
- Public chambers shall comply with BS 7158.
- On completion of development all drainage shall be jet cleaned and CCTV surveyed.

LEGEND



DESIGNERS RESIDUAL RISK SCHEDULE CONSTRUCTION

- EXISTING SERVICES / DRAINAGE / SERVICES / OVERHEAD CABLES
 - REFER TO EXISTING SERVICES LAYOUT (REF: P22-1031-100) / TOPOGRAPHICAL SURVEY (REF: 48127.1.100) / STATUTOR UNDERMERS RECORDS FOR LOCATION OF EXISTING SERVICES / DRAINAGE / SERVICES & OVERHEAD CABLES.
 - WORKS IN CLOSE PROXIMITY TO EXISTING SERVICES / DRAINAGE / SERVICES / OVERHEAD CABLES. CONTRACTORS CONSTRUCTION HEALTH & SAFETY PLAN SHOULD INCLUDE METHOD STATEMENT OUTLINING SAFE METHOD OF WORKING AGREED WITH RELEVANT STATUTOR UNDERMERS WHERE NECESSARY.
 - WORKS AFFECTED BY EXISTING SERVICES / DRAINAGE / SERVICES / OVERHEAD CABLES. CONTRACTOR SHOULD ARRANGE FOR DIVERSION / LOWERING / PROTECTION BY STATUTOR UNDERMERS WHERE NECESSARY PRIOR TO COMMENCEMENT OF WORKS.
- GROUND CONDITIONS / SOIL CONTAMINATION / REMEDIATION
 - THE GROUND INVESTIGATION REPORT (REF: 22089) DID NOT DENY SOIL CONTAMINATION TO BE PRESENT. CONTRACTORS SHOULD CONSIDER THE RISK OF SOIL CONTAMINATION TO CONSTRUCTION HEALTH & SAFETY PLAN INCLUDING METHOD STATEMENT FOR DEALING WITH UNDESIRABLE CONTAMINATION IF ENCOUNTERED DURING WORKS.
 - SITE WAS PREVIOUSLY OCCUPIED BY BUILDINGS & STRUCTURES. WHIST TO DATE SITE INVESTIGATIONS HAVE NOT IDENTIFIED ANY EVIDENCE OF CONTAMINATION OR FORMER FOUNDATIONS. IT IS POSSIBLE THAT CONTAMINATION / OBSTRUCTIONS MAY STILL EXIST & BE ENCOUNTERED DURING WORKS. CONTRACTOR SHOULD ENSURE SITE PERSONNEL USE APPROPRIATE PPE WHEN WORKING ON EXISTING SERVICES & THAT CONSTRUCTION HEALTH & SAFETY PLAN SHOULD INCLUDE METHOD STATEMENT THAT ADOPTS BEST PRACTICE HEALTH & SAFETY POLICIES FOR ALL SITE PERSONNEL THROUGHOUT THE DURATION OF THE WORKS ON / ADJACENT TO HIGHWAY AND EXISTING SERVICES.
- EXCAVATIONS & BATTERWORKS
 - REFER TO GROUND INVESTIGATION REPORT (REF: 22089) FOR DETAILS OF UNDERLYING SOILS. WHERE GROUND CONDITIONS ARE FOUND TO DEVIATE FROM THOSE REPORTED IN THE SITE INVESTIGATION REPORT, THE ENGINEER SHOULD BE CONTACTED IMMEDIATELY FOR ADVICE ON HOW TO PROCEED.
 - EXCAVATIONS WHERE ACCESS IS REQUIRED SHOULD BE TEMPORARILY SUPPORTED WITH SLOPES BATTERED WELL BACK AND MAINTAINED AT A SAFE ANGLE.
 - CONTRACTORS CONSTRUCTION HEALTH & SAFETY PLAN SHOULD INCLUDE METHOD STATEMENT OUTLINING SAFE METHOD OF WORKING IN OR ADJACENT TO BOUNDARIES / STRUCTURES / DEBRISWORKS / BURK BATTERWORKS.
 - WORKS ON OR ADJACENT TO HIGHWAY
 - CONTRACTOR SHOULD ENSURE SITE PERSONNEL HAVE APPROPRIATE TRAINING & USE APPROPRIATE PPE WHEN WORKING ON OR ADJACENT TO HIGHWAY AND EXISTING SERVICES.
 - WORKS ON OR ADJACENT TO HIGHWAY AND EXISTING SERVICES. CONTRACTOR SHOULD ENSURE SITE PERSONNEL HAVE APPROPRIATE TRAINING & USE APPROPRIATE PPE WHEN WORKING ON OR ADJACENT TO HIGHWAY AND EXISTING SERVICES. CONTRACTOR SHOULD ENSURE SITE PERSONNEL USE APPROPRIATE PPE WHEN WORKING ON OR ADJACENT TO HIGHWAY AND EXISTING SERVICES. CONTRACTOR SHOULD ENSURE SITE PERSONNEL USE APPROPRIATE PPE WHEN WORKING ON OR ADJACENT TO HIGHWAY AND EXISTING SERVICES.
- CONNECTING TO EXISTING MANHOLES / SERVICES
 - CONTRACTORS CONSTRUCTION HEALTH & SAFETY PLAN SHOULD INCLUDE METHOD STATEMENT THAT ADOPTS BEST PRACTICE HEALTH & SAFETY POLICIES FOR ALL SITE PERSONNEL THROUGHOUT THE DURATION OF SUCH WORKS.
 - CONTRACTOR SHOULD ENSURE SITE PERSONNEL HAVE APPROPRIATE TRAINING & USE APPROPRIATE PPE WHEN WORKING ON OR ADJACENT TO HIGHWAY AND EXISTING SERVICES.



DRAWING STATUS

T2	EXTERNAL LISTS ADVISED SURVEY AND PIP	19.10.23
T1	DATE REVISION	18.09.23
HK	REVISION	BY DATE

NOT FOR CONSTRUCTION

ENGINEERING LAYOUT

PROJECT

40 STATION APPROACH
RUISLIP
HA4 6RZ

simpsontws

8 Friday Street
Henley-on-Thames
Oxfordshire
T: 01491 576 271
E: mail@simpsontws.com
W: www.simpsonstws.com

London, Henley-on-Thames and Gloucester

TENDER

Drawn	Checked	Sealed	Date
AR	AR	1:1:00 @ A1	SEPT 23

Project Number: P22-1031
Drawing Number: 101
Revision: T2