



NOTE
WORKS TO EXISTING DRAINAGE ARE REQUIRED TO REMEDIATE DRAINAGE TO SERVICEABLE CONDITION. REMEDIAL WORKS TO BE CARRIED OUT TO NORTHWEST DRAIN SERVICES RECOMMENDATIONS, RECEIVED AS PART OF CCTV SURVEY PACKAGE

NOTE
INSPECTION CHAMBERS TO BE FITTED WITH RECESSED DOUBLE SEALED COVERS TO ACCEPT FLOOR FINISHES. PROPOSED PLANT ROOM GULLEYS TO BE TRAPPED GULLEYS TO SUIT INTERNAL FLOOR FINISH

PROPOSED DOWNPIPE CONNECTIONS TO RUN TO INSPECTION CHAMBER INVERT LEVEL, AT A GRADIENT NO SHALLOWER THAN 1:40.

RODDING EYES IN TRENCHES TO BE BROUGHT UP TO FFL, DETAILED DESIGN TBC FOLLOWING FURTHER SURVEY

NOTE
PROPOSED INTERIOR SURFACE LEVEL/COVER LEVELS ASSUMED BASED ON INTERNAL SURFACE LEVEL SURVEY RECEIVED FROM PROJECT 3 ARCHITECTS ON 29.07.24

FOUNDATIONS ASSUMED TO BE 600mm DEEP AT WALLS

NOTE
EXISTING NON-DRAINAGE SERVICE CABLES ASSUMED TO BE DISCONNECTED AND REMOVED. PROPOSED NON-DRAINAGE SERVICE STRATEGY/LAYOUT/DESIGN TO BE PROVIDED BY 3RD PARTY. CIVIL ENGINEERS ARE TO BE NOTIFIED OF ANY CLASHES OR COORDINATION REQUIRED

NOTE
PROPOSED DRAINAGE TRENCHES TO BE REINSTATED TO ARCHITECT'S/SPECIALIST'S DAMP PROOFING SPECIFICATIONS. REFER TO CIVIC DRAWINGS 2302-CIV-LO-00-D-S-50002, 2302-CIV-UP-XX-00-D-S-50002 FOR SLAB REINSTATEMENT DETAILS

ALL DRAINAGE TO BE CCTV SURVEYED AND JETTED FOLLOWING CONSTRUCTION COMPLETION

NOTE
EXISTING MANHOLES AND RODDING EYES HAVE BEEN PLACED BASED ON SITE MEASUREMENTS FROM GRIDLINES. TRACES OF RAINWATER PIPE CONNECTIONS TO MAINS COORDINATED USING CCTV SURVEY

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NOTE
REFER TO CIVIC DRAWING 2302-02-CIV-XX-01-D-C-31001 FOR PROPOSED DRAINAGE DETAILS

STANDARD NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND THE SPECIFICATIONS.
2. THIS DRAWING SHOULD NOT BE SCALED.
3. ALL DIMENSIONS ARE TO BE VERIFIED BY THE CONTRACTOR ON SITE.
4. ALL DISCREPANCIES SHOULD BE REPORTED TO C.A./E.A. PRIOR TO THE COMMENCEMENT OF WORKS.

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NOTES

1. INTERNAL DRAINAGE LOCATION BY PROJECT 3 ARCHITECTS, RECEIVED 16.07.24
2. TOPOGRAPHICAL SURVEY CARRIED OUT BY ND OLIVER, DATED 21.02.22
3. PUBLIC SEWERS APPROXIMATELY LOCATED USING THE UU PUBLIC SEWER RECORD PDF PLAN, DATED 01.09.23
4. EXISTING DRAINAGE CONDITION AND LOCATION BASED ON CCTV SURVEY PROVIDED BY NORTHWEST DRAIN SERVICES, DATED 20.08.24, AND SITE SURVEY CARRIED OUT BY TJM, RECEIVED 08.08.24

KEY

- PROPOSED FOUL SEWER - 1200Ø PCC MANHOLE
- PROPOSED FOUL SEWER - 450Ø PPIC, 100mm DIAMETER RUNS AT MINIMUM 1:40 SLOPE UNLESS SPECIFIED OTHERWISE
- EXISTING COMBINED SEWER TO BE RETAINED AND REUSED AS SEPARATED SURFACE WATER DRAINAGE CHAMBER
- EXISTING SURFACE WATER RODDING EYE TO BE RAISED TO FFL AND REUSED
- EXISTING SURFACE WATER RODDING EYE LOCATED IN SERVICE TRENCH TO BE RAISED TO FFL AND REUSED
- EXISTING SURFACE WATER RODDING EYE TO BE BROKEN OUT AND RELOCATED DOWNSTREAM FROM WALL FOOTPRINT
- PROPOSED FW STUB STACK
- PROPOSED PLANT ROOM FLOOR GULLEY
- (UU PLAN) PUBLIC SEWER

IMPORTANT NOTES

1. SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING.
2. ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DESIGN AND CONSTRUCTION GUIDANCE AND UNITED UTILITIES DETAILS & GUIDELINES.
3. ALL PIPES LAID TO SOFFIT UNLESS NOTED OTHERWISE
4. REST BEND INVERT TO BE MINIMUM 450mm FROM FFL
5. THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADOPTABLE HIGHWAYS SHALL BE 150mm
6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION GIVEN WITH REGARDS TO EXISTING SERVICES AND DRAINAGE CONNECTIONS ETC. PRIOR TO COMMENCING THE WORKS. THE RATES SHALL INCLUDE FOR HAND DIG AROUND SERVICES WHERE NECESSARY. THE CONTRACTOR SHALL ADHERE TO THE CDM REGULATIONS AT ALL TIMES
7. EXISTING FLOWS IN WATERCOURSES, SEWERS AND LAND DRAINS SHALL BE MAINTAINED AT ALL TIMES
8. ONLY TRAINED PERSONNEL SHALL BE PERMITTED TO ENTER CONFINED SPACES
9. ALL MATERIALS TO BEAR THE RELEVANT B.S. KITEMARK AND COMPLY FULLY WITH THE SPECIFICATIONS. ALL CONCRETE & CONCRETE PRODUCTS MUST USE SULPHATE RESISTANT CEMENT (UNLESS THE SITE INVESTIGATION REPORT PROVES THAT SULPHATE ATTACK FROM SOILS AND GROUNDWATER WILL NOT OCCUR TO WITHSTAND A CLASS
10. ALL OPENING NOTICES ETC. AS REQUIRED UNDER HIGHWAYS ACTS ETC. ARE TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS. ALL WORKS ARE TO BE INSPECTED BY L.A., NHBC OR THE NETWORK OPERATOR AS APPLICABLE.
11. DOMESTIC DRAINAGE SHALL BE TO BUILDING REGULATIONS APPROVED DOCUMENT H. 110mm U.P.V.C. PIPES LAID TO THE FOLLOWING MINIMUM FALLS UNLESS OTHERWISE SHOWN.

	FOUL	S.W.
HEAD RUN	1 IN 40	1 IN 60
ELSEWHERE	1 IN 80	1 IN 100

12. SLOW REST BENDS TO BE USED IN ALL LOCATIONS MADE UP FROM 2no. 45 DEG BENDS
13. ALL DRAINS CAST THROUGH FOUNDATIONS TO HAVE ROCKER PIPES ON BOTH SIDES OF FOUNDATION
14. ALL POP UP POSITIONS TO BE CONFIRMED SET OUT DIMENSIONS TO BE AGREED & PROVIDED BY OTHERS
15. ALL DISCHARGE RATES TO BE CONFIRMED BY M&E DESIGNER
16. EXISTING SEWER DEPTHS HAVE BEEN APPROXIMATED FROM LIMITED INFORMATION, NEW CONNECTIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION OF ANY DRAINAGE WORKS.
17. FOUL NETWORK TO BE CONFIRMED FOLLOWING CONFIRMATION OF BRANCH CONNECTION POINTS FROM BUILDING M&E DESIGNER
18. CCTV SURVEY OF EXISTING SITE DRAINAGE REQUIRED PRIOR TO THE COMMENCEMENT OF ANY WORKS STARTING ON SITE
19. ALL INTERNAL DOWNPIPES TO HAVE ROADDABLE ACCESS POINTS ABOVE GROUND FLOOR LEVEL.
20. ALL FLOOR GULLIES (FG) TO BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS FOR SPECIFIC FLOOR FINISHES.
21. REDUCED ACCESS COVER 300x300mm FOR IC'S IN EXCESS OF 1.2m DEEP.

10.09.24	C04	UPDATED TO LATEST CCTV SURVEY	ZHH	TC
14.08.24	C03	UPDATED TO P3 ARCHITECTS COORDINATION	ZHH	TC
12.08.24	C02	UPDATED TO SITE SURVEY FOLLOWING VISIT 07.08.24	ZHH	TC
05.08.24	C01	SUBMITTED FOR INFORMATION	ZHH	CK
DATE	REV	DESCRIPTION	DRAWN	CHKD



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PROJECT
UPPER CAMPFIELD MARKET

TITLE
PROPOSED INTERNAL DRAINAGE PLAN

DRAWING STATUS					STATUS CODE
STAGE 4B					-
CE PROJECT No.	SCALE @ A1	DATE CREATED	DRAWN	CHECKED	
2302-02	1:100	JULY 24	TC	CK	
DRAWING No.					REV
2302-02-CIV-XX-01-D-C-30001					C04

LIVERPOOL ROAD

INDICATIVE LOCATIONS OF PUBLIC SEWERS BASED ON UU RECORDS. LOCATION AND DEPTH TBC BY FURTHER SURVEY

FILE LOCATION PATH: P:\PROJECTS\HOT\2302-02 UPPER CAMPFIELD MARKET - POST CONTRACT SERVICES\004 BIM\CIVILS\DRAWINGS\2302-02-CIV-XX-01-D-C-30001_UC PROPOSED DRAINAGE PLAN.DWG