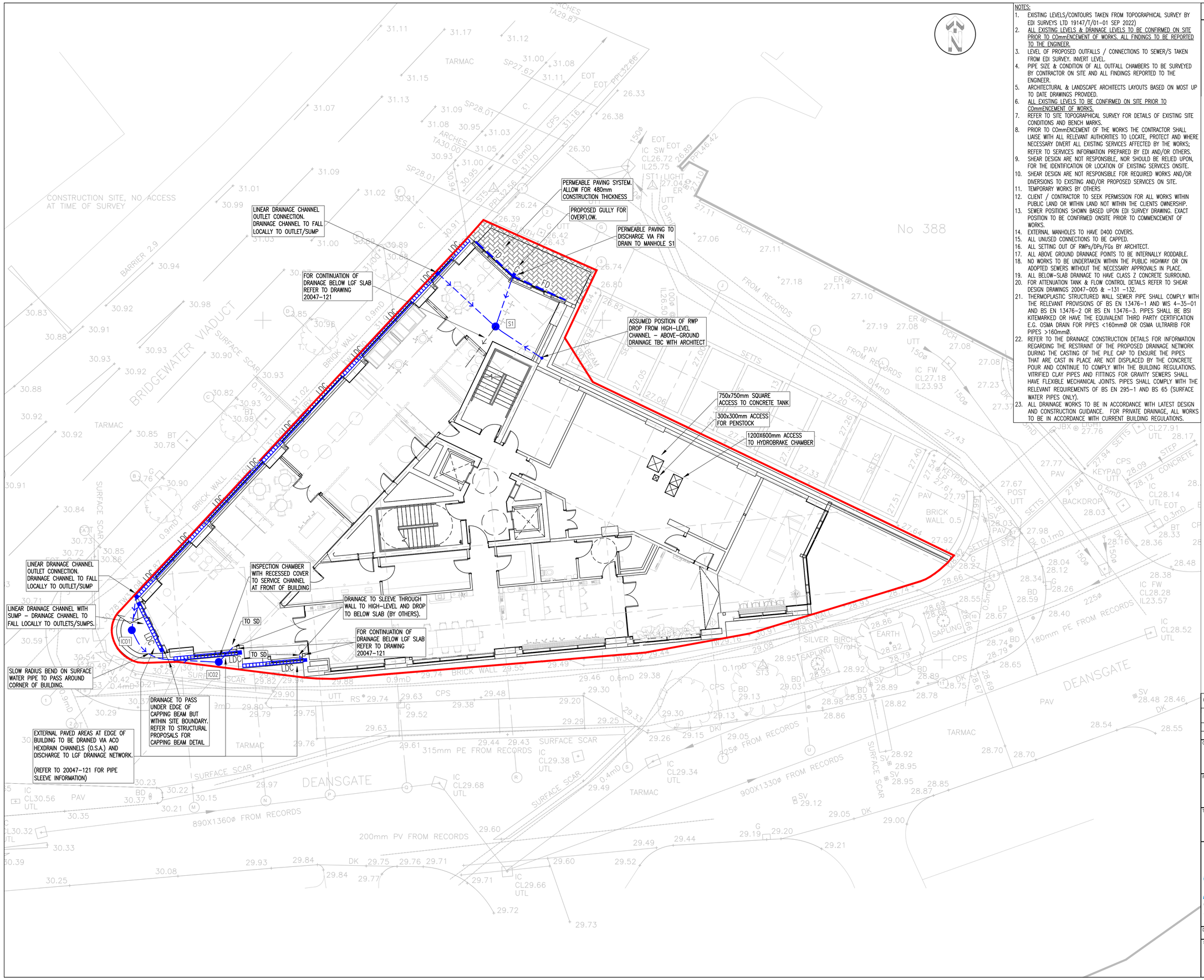

NOTES:

1. EXISTING LEVELS/CONTOURS TAKEN FROM TOPOGRAPHICAL SURVEY BY EDI SURVEYS LTD 19147/T/01-01 SEP 2022)
2. ALL EXISTING LEVELS & DRAINAGE LEVELS TO BE CONFIRMED ON SITE PRIOR TO COmmENCEMENT OF WORKS. ALL FINDINGS TO BE REPORTED TO THE ENGINEER.
3. LEVEL OF PROPOSED OUTFALLS / CONNECTIONS TO SEWER/S TAKEN FROM EDI SURVEY. INVERT LEVEL.
4. PIPE SIZE & CONDITION OF ALL OUTFALL CHAMBERS TO BE SURVEYED BY CONTRACTOR ON SITE AND ALL FINDINGS REPORTED TO THE ENGINEER.
5. ARCHITECTURAL & LANDSCAPE ARCHITECTS LAYOUTS BASED ON MOST UP TO DATE DRAWINGS PROVIDED.
6. ALL EXISTING LEVELS TO BE CONFIRMED ON SITE PRIOR TO COmmENCEMENT OF WORKS.
7. REFER TO SITE TOPOGRAPHICAL SURVEY FOR DETAILS OF EXISTING SITE CONDITIONS AND BENCH MARKS.
8. PRIOR TO COmmENCEMENT OF THE WORKS THE CONTRACTOR SHALL LIAISE WITH ALL RELEVANT AUTHORITIES TO LOCATE, PROTECT AND WHERE NECESSARY DIVERT ALL EXISTING SERVICES AFFECTED BY THE WORKS; REFER TO SERVICES INFORMATION PREPARED BY EDI AND/OR OTHERS.
9. SHEAR DESIGN ARE NOT RESPONSIBLE, NOR SHOULD BE RELIED UPON, FOR THE IDENTIFICATION OR LOCATION OF EXISTING SERVICES ONSITE.
10. SHEAR DESIGN ARE NOT RESPONSIBLE FOR REQUIRED WORKS AND/OR DIVERSIONS TO EXISTING AND/OR PROPOSED SERVICES ON SITE.
11. TEMPORARY WORKS BY OTHERS
12. CLIENT / CONTRACTOR TO SEEK PERMISSION FOR ALL WORKS WITHIN PUBLIC LAND OR WITHIN LAND NOT WITHIN THE CLIENTS OWNERSHIP.
13. SEWER POSITIONS SHOWN BASED UPON EDI SURVEY DRAWING. EXACT POSITION TO BE CONFIRMED ONSITE PRIOR TO COMMENCEMENT OF WORKS.
14. EXTERNAL MANHOLES TO HAVE D400 COVERS.
15. ALL UNUSED CONNECTIONS TO BE CAPPED.
16. ALL SETTING OUT OF RWPs/DPs/FGs BY ARCHITECT.
17. ALL ABOVE GROUND DRAINAGE POINTS TO BE INTERNALLY RODDABLE.
18. NO WORKS TO BE UNDERTAKEN WITHIN THE PUBLIC HIGHWAY OR ON ADOPTED SEWERS WITHOUT THE NECESSARY APPROVALS IN PLACE.
19. ALL BELOW-SLAB DRAINAGE TO HAVE CLASS Z CONCRETE SURROUND.
20. FOR ATTENUATION TANK & FLOW CONTROL DETAILS REFER TO SHEAR DESIGN DRAWINGS 20047-005 & -131 -132.
21. THERMOPLASTIC STRUCTURED WALL SEWER PIPE SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 13476-1 AND WIS 4-35-01 AND BS EN 13476-2 OR BS EN 13476-3. PIPES SHALL BE BSI KITEMARKED OR HAVE THE EQUIVALENT THIRD PARTY CERTIFICATION E.G. OSMA DRAIN FOR PIPES <160mmØ OR OSMA ULTRARIB FOR PIPES >160mmØ.
22. REFER TO THE DRAINAGE CONSTRUCTION DETAILS FOR INFORMATION REGARDING THE RESTRAINT OF THE PROPOSED DRAINAGE NETWORK DURING THE CASTING OF THE PILE CAP TO ENSURE THE PIPES THAT ARE CAST IN PLACE ARE NOT DISPLACED BY THE CONCRETE POUR AND CONTINUE TO COMPLY WITH THE BUILDING REGULATIONS. VITRIFIED CLAY PIPES AND FITTINGS FOR GRAVITY SEWERS SHALL HAVE FLEXIBLE MECHANICAL JOINTS. PIPES SHALL COMPLY WITH THE RELEVANT REQUIREMENTS OF BS EN 295-1 AND BS 65 (SURFACE WATER PIPES ONLY).
23. ALL DRAINAGE WORKS TO BE IN ACCORDANCE WITH LATEST DESIGN AND CONSTRUCTION GUIDANCE. FOR PRIVATE DRAINAGE, ALL WORKS TO BE IN ACCORDANCE WITH CURRENT BUILDING REGULATIONS.

NOTES

GENERAL

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE. ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS RELATE TO ORDNANCE DATUM UNLESS NOTED OTHERWISE.
3. DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS ONLY.
4. ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO THE ENGINEER.
5. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, SUBCONTRACTORS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.
6. THIS DRAWING IS COPYRIGHT © PROPERTY OF SHEAR DESIGN LIMITED.

KEY

- SITE BOUNDARY
- PROPOSED SURFACE WATER DRAINAGE
- LDC — PRPOSED LINEAR DRAINAGE CHANNEL WITH SUMP (ACO HEXDRAIN OSA - A15)
- FD — PROPOSED FIN DRAIN
- G — PROPOSED GULLY AND CONNECTION
- PERMEABLE BLOCK PAVING WITH MIN. 480mm THK WITH 80mm PAVIORS

REV	DATE	DESCRIPTION	BY	CHK
C02	28.05.24	UPDATED ARRANGEMENT OF INSPECTION CHAMBERS NEAR STEPS	EL	DKK
C01	23.05.24	CONSTRUCTION ISSUE	EL	DKK

AMENDMENTS

CLIENT: FUSION MANCHESTER DEVCO LTD

PROJECT: STUDENT ACCOMMODATION
DEANSGATE SOUTH, MANCHESTER

TITLE: DRAINAGE LAYOUT
GROUND FLOOR

SHEAR design
Consulting Civil and Structural Engineers
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DRAWN:	CHECKED:	DATE:	SCALE:
TU	SJM	DECEMBER 2020	1:100 @ A1

SHEAR DESIGN REF:	DRAWING NUMBER:	REVISION:
20047	20047-122	C02

STATUS: C