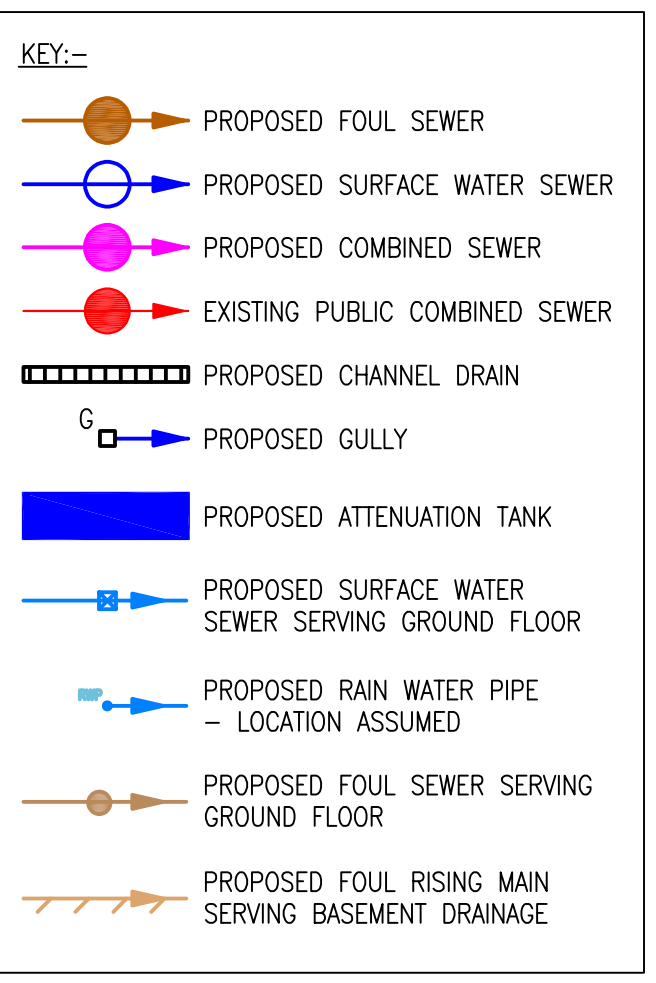




- NOTES:-
1. UNLESS NOTED OTHERWISE ALL EXISTING GULLIES ARE DRAINING EXISTING AREAS TO BE RETAINED SUBJECT TO CONDITION.
  2. ALL MANHOLE COVERS TO BE GRADE D400 HEAVY DUTY.
  3. EXISTING DRAINAGE INFORMATION IS TAKEN FROM UNITED UTILITIES RECORDS. ALL INVERT LEVELS TO BE CONFIRMED PRIOR TO ANY CONSTRUCTION OF PROPOSED DRAINAGE SCHEME.
  4. ALL PIPES UP TO 300mm DIA. TO BE EITHER VITRIFIED CLAY OR UPVC(SOLID WALL OR CONCENTRIC RIB TO BRITISH STANDARD). ALL PIPES OVER 300mm DIA. TO BE CONCRETE.
  5. ALL MANHOLES TO BE CONSTRUCTED FROM CONCRETE UNLESS NOTED OTHERWISE ON DRAINAGE DETAILS.
  6. ALL NEW GULLIES TO BE CONCRETE/CLAY TO HIGHWAYS SPECIFICATION.
  7. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS.
  8. ALL PIPES TO BE LAID TO SPECIFIED GRADIENTS.
  9. INVERT LEVELS RELATE TO THE LARGEST PIPE IN EACH MANHOLE ALL OTHER SMALLER PIPES ARE TO BE LAID WITH SOFFITS LEVEL TO LARGEST PIPE.
  10. ALL EXISTING SEWERS/MANHOLES TO BE CHECKED & CLARIFIED TO CONFIRM INVERT LEVELS/POSITIONS.
  11. IF ADVERSE GROUND CONDITIONS ARE ENCOUNTERED POSSIBLE TRENCH STABILISATION WITH TERRAM LAYER/DE-WATERING MAY BE REQUIRED. CONTRACTOR TO NOTIFY FAIRHURST ENGINEER IMMEDIATELY.
  12. ALL PIPES WITH LESS THAN 1200mm OF COVER TO CROWN TO HAVE A CONCRETE SURROUND WITH EXPANSION JOINTS.
  13. ATTENUATION/DISCHARGE FIGURE SUBJECT TO WATER AUTHORITY ACCEPTANCE.
  14. DRAINAGE CONNECTIONS FW/SW SUBJECT TO S106 AGREEMENT.
  15. PRECAST CONCRETE ATTENUATION TANK PREFERRED, CONTRACTOR TO ADVISE. TANK MUST BE DESIGNED, DETAILED & INSTALLED BY CONTRACTORS CHOSEN SUPPLIER.
  16. RWP POSITIONS ARE INDICATIVE ONLY AWAITING DETAILS FROM ARCHITECT.
  17. ALL NEW DRAINAGE TO BE CCTV'D, CLEANED OF ALL CONSTRUCTION DEBRIS AND COPY SENT TO FAIRHURST FOR AS BUILT PURPOSES.
  18. ALL GULLIES & DRAINAGE CHANNELS WITHIN CAR PARK AND PEDESTRIAN AREAS TO BE FITTED WITH 'HEELGUARD' TYPE COVERS.
  19. ABOVE GROUND RODDING ACCESS TO BE PROVIDED ON ALL S.V.P'S.
  20. ALL MANHOLES LOCATED WITHIN THE BUILDING MUST BE FITTED WITH DOUBLE SEALED LOCKING MANHOLE COVERS & FRAMES FITTED STRICTLY IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.



- NOTES:-
- A. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING DRAWINGS (+ ALL OTHER RELEVANT DRAWINGS)
    - 143404/2002 - SHOWING DRAINAGE DETAILS.
    - 143404/2003 - SHOWING BLOCK 1NQ BASEMENT DRAINAGE.
    - 143404/2004 - SHOWING RETAINED BLOCK BASEMENT DRAINAGE.
    - 143404/2005 - SHOWING BLOCK 1NQ GROUND FLOOR DRAINAGE.
    - 143404/2006 - SHOWING RETAINED BLOCK GROUND FLOOR DRAINAGE.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                     |       |                |   |          |                                                     |     |     |   |          |                                                     |     |     |      |      |             |       |             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------|-------|----------------|---|----------|-----------------------------------------------------|-----|-----|---|----------|-----------------------------------------------------|-----|-----|------|------|-------------|-------|-------------|
| Do not scale from this drawing.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                     |       |                |   |          |                                                     |     |     |   |          |                                                     |     |     |      |      |             |       |             |
| SAFETY HEALTH AND ENVIRONMENTAL INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |                                                     |       |                |   |          |                                                     |     |     |   |          |                                                     |     |     |      |      |             |       |             |
| IN ADDITION TO THE HAZARD/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING RISKS AND INFORMATION.                                                                                                                                                                                                                                                                                                                                    |          |                                                     |       |                |   |          |                                                     |     |     |   |          |                                                     |     |     |      |      |             |       |             |
| RISKS LISTED HERE ARE NOT EXHAUSTIVE. REFER TO DESIGN ASSESSMENT FORM NO. 143404-QEMS1                                                                                                                                                                                                                                                                                                                                                                                            |          |                                                     |       |                |   |          |                                                     |     |     |   |          |                                                     |     |     |      |      |             |       |             |
| CONSTRUCTION <ul style="list-style-type: none"><li>RESTRICTED SITE/CONFINED SPACES</li><li>GROUND WATER/INUNDATION</li></ul>                                                                                                                                                                                                                                                                                                                                                      |          |                                                     |       |                |   |          |                                                     |     |     |   |          |                                                     |     |     |      |      |             |       |             |
| DEMOLITION                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |                                                     |       |                |   |          |                                                     |     |     |   |          |                                                     |     |     |      |      |             |       |             |
| FOR INFORMATION RELATING TO USE, CLEANING AND MAINTENANCE SEE THE HEALTH AND SAFETY FILE                                                                                                                                                                                                                                                                                                                                                                                          |          |                                                     |       |                |   |          |                                                     |     |     |   |          |                                                     |     |     |      |      |             |       |             |
| IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.                                                                                                                                                                                                                                                                                                                                           |          |                                                     |       |                |   |          |                                                     |     |     |   |          |                                                     |     |     |      |      |             |       |             |
| <table><tr><td>B</td><td>10/07/20</td><td>BLOCK 1NQ UPDATED TO SUIT ARCHITECTS LATEST LAYOUT.</td><td>JLM</td><td>JRT</td></tr><tr><td>A</td><td>16/06/22</td><td>BLOCK 1NQ UPDATED TO SUIT ARCHITECTS LATEST LAYOUT.</td><td>DAS</td><td>JRT</td></tr><tr><td>Rev.</td><td>Date</td><td>Description</td><td>Drawn</td><td>Chkd. Appd.</td></tr></table> <div><b>FAIRHURST</b><br/>51a St. Pauls Street<br/>LEEDS<br/>LS1 2TE<br/>Tel: 0113 243 4671<br/>Fax: 0844 381 4412</div> |          |                                                     |       |                | B | 10/07/20 | BLOCK 1NQ UPDATED TO SUIT ARCHITECTS LATEST LAYOUT. | JLM | JRT | A | 16/06/22 | BLOCK 1NQ UPDATED TO SUIT ARCHITECTS LATEST LAYOUT. | DAS | JRT | Rev. | Date | Description | Drawn | Chkd. Appd. |
| B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10/07/20 | BLOCK 1NQ UPDATED TO SUIT ARCHITECTS LATEST LAYOUT. | JLM   | JRT            |   |          |                                                     |     |     |   |          |                                                     |     |     |      |      |             |       |             |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 16/06/22 | BLOCK 1NQ UPDATED TO SUIT ARCHITECTS LATEST LAYOUT. | DAS   | JRT            |   |          |                                                     |     |     |   |          |                                                     |     |     |      |      |             |       |             |
| Rev.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Date     | Description                                         | Drawn | Chkd. Appd.    |   |          |                                                     |     |     |   |          |                                                     |     |     |      |      |             |       |             |
| Project Title:<br>1 NQ & CLEMENTS BUILDING<br>TARIFF STREET<br>MANCHESTER                                                                                                                                                                                                                                                                                                                                                                                                         |          |                                                     |       |                |   |          |                                                     |     |     |   |          |                                                     |     |     |      |      |             |       |             |
| Drawing Title:<br>PROPOSED EXTERNAL<br>DRAINAGE LAYOUT                                                                                                                                                                                                                                                                                                                                                                                                                            |          |                                                     |       |                |   |          |                                                     |     |     |   |          |                                                     |     |     |      |      |             |       |             |
| Scale at A1:<br>1:200                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          | Status:<br>Preliminary                              |       |                |   |          |                                                     |     |     |   |          |                                                     |     |     |      |      |             |       |             |
| Drawn:<br>DS                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Checked: | Approved:                                           |       |                |   |          |                                                     |     |     |   |          |                                                     |     |     |      |      |             |       |             |
| Date:<br>31/05/23                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Date:    | Date:                                               |       |                |   |          |                                                     |     |     |   |          |                                                     |     |     |      |      |             |       |             |
| Drawing No.:<br>143404/2001                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |                                                     |       | Revision:<br>B |   |          |                                                     |     |     |   |          |                                                     |     |     |      |      |             |       |             |