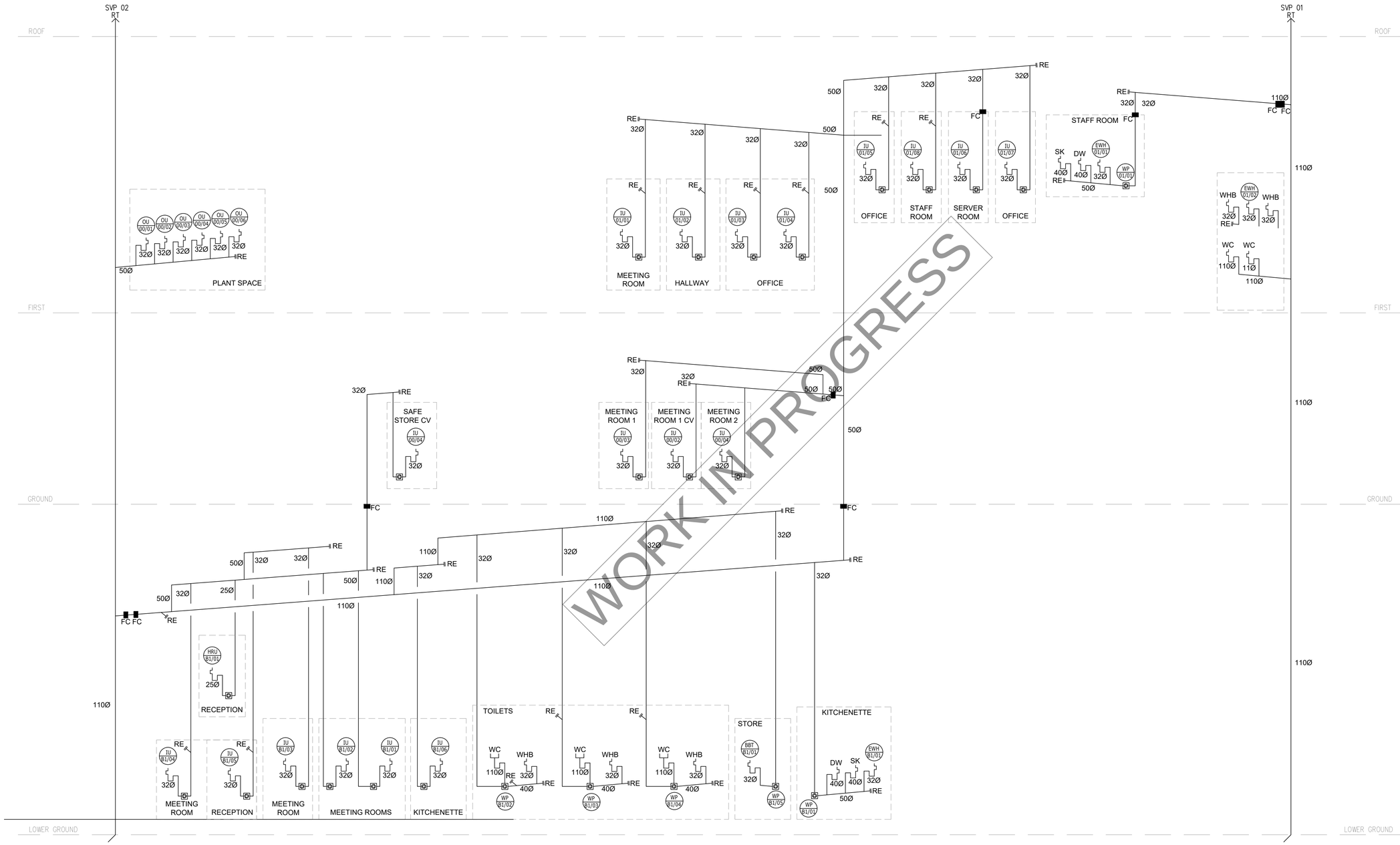
Copyright © Clark Degnan Limited

DO NOT SCALE FROM THIS DRAWING.
CHECK ON SITE AND REPORT ALL DISCREPANCIES TO CLARK DEGNAN LIMITED.




WORK IN PROGRESS

NOTES - ABOVE GROUND DRAINAGE

1. ALL SVP'S TO BE FITTED WITH ACCESS DOOR 1100MM AFFL, ALL STACKS ON ALL LEVELS.
2. ALL SANITARY APPLIANCES TO BE FITTED WITH RE-SEALING TYPE TRAPS; WHB: BOTTLE, URINAL: TUBULAR, SINK: TUBULAR.
3. ALL 110DIA UPVC STUB STACKS TO BE FITTED WITH REMOVABLE AAAV ABOVE FLOOD LEVEL IN VENTILATED PLUMBING DUCT.
4. HORIZONTAL DRAINAGE FALLS SHALL BE INSTALLED AT THE FOLLOWING GRADIENTS:
   - SOIL PIPES 1:40
   - WASTE PIPES 1:80

LEGEND

| | |
|---|---|
| – – – – | PIPEWORK BELOW GROUND |
| ——— | PIPEWORK AT LOW LEVEL |
| — – — | PIPEWORK AT HIGH LEVEL |
| — · — | PIPEWORK IN CEILING VOID |
| | FLOOR GULLY |
| | WC PAN TRAPPED CONNECTOR |
| | P/S TRAP SANITARYWARE CONNECTOR |
| • | PIPE RISE/FALL |
| RE | RODDING EYE |
| RTHL | RISE TO HIGH LEVEL |
| RTA | RISE TO ABOVE |
| RFB | RISE FROM BELOW |
| DTLL | DROP TO LOW LEVEL |
| DFA | DROP FROM ABOVE |
| DFB | DROP TO BELOW |
| CV | CEILING VOID |
| HL | HIGH LEVEL |
| LL | LOW LEVEL |
| DW | DISH WASHER |
| WM | WASHING MACHINE |
| SK | SINK |
| WHB | WASH HAND BASIN |
| SH | SHOWER |
| UR | URINAL |
| WC | WC CISTERN |

NOTES - GENERAL

1. DO NOT SCALE FROM THIS DRAWING.
2. THIS IS NOT AN INSTALLATION DRAWING.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE MECHANICAL AND ELECTRICAL PERFORMANCE SPECIFICATIONS, AND ALL ACCOMPANYING TENDER DRAWINGS AND SPECIFICATIONS, INCLUDING ARCHITECTURAL, STRUCTURAL ENGINEERING, CIVIL ENGINEERING, MEP AND OTHER THIRD PARTY DESIGNERS.
4. ALL SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE RELEVANT STANDARDS AND WORKMANSHIP CLAUSES DETAILED WITHIN THE ACCOMPANYING SPECIFICATION (WHERE PROVIDED).
5. THE DESIGN AND INSTALLATION SHALL COMPLY WITH THE BUILDING REGULATIONS, BRITISH STANDARDS, EU LEGISLATION, STATUTE, CIBSE GUIDES, CIBSE COMMISSIONING CODES, B&ES, H&S GUIDANCE AND ACOP'S, THE GAS REGULATIONS AND ALL OTHER APPLICABLE REGULATIONS.
6. PRIOR TO ANY WORKS, THE CONTRACTOR SHALL REQUEST A COPY OF THE ASBESTOS REGISTER/REPORT DETAILING THE LOCATION OF ANY EXISTING ASBESTOS. SHOULD THE CONTRACTOR COME ACROSS ANY SUSPICIOUS MATERIALS, THEY SHOULD STOP WORK IMMEDIATELY AND INFORM THE SITE AGENT.
7. THE CONTRACTOR SHALL ALLOW FOR SPECIALIST COMMISSIONING OF ALL MECHANNICAL AND PUBLIC HEALTH SYSTEMS BY THE MANUFACTURER OR MANUFACTURERS APPOINTED AGENT.
8. FOLLOWING COMPLETION OF THE INSTALLATION, THE SYSTEMS SHALL BE TESTED AND COMMISSIONED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
9. ALL EQUIPMENT SHALL BE INSTALLED, TESTED AND COMMISSIONED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
10. THE CONTRACTOR SHALL INCLUDE FOR ALL NECESSARY FIRE STOPPING, SLEEVES AND DAMPERS TO SUIT THE PROPOSED FIRE STRATEGY.
11. PRIOR TO COMMENCING THE WORKS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEKING APPROVAL OF THE PROPOSALS BY THE GAS AND WATER AUTHORITIES.
12. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL SEEK CONFIRMATION OF ACCEPTANCE OF THE PROPOSALS BY THE BUILDING CONTROL OFFICER.
13. A FINAL SITE MEASURE SHALL BE CARRIED OUT BY THE CONTRACTOR PRIOR TO ORDERING OF PLANT OR EQUIPMENT.
14. ACCESS PANELS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR TO ALLOW ELECTRICAL, ISOLATORS, CONTROLLERS, ETC. TO BE EASILY ACCESSED AND MAINTAINED.

| ACTIVITY | RESIDUAL RISKS | CONTROL MECHANISM & COMMUNICATION |
|---|---|---|
| SITE DELIVERY OF MATERIALS, E.G. SVP/OFFSEAM CONTAINMENT, LUMINAIRES | - VEHICLE TO PERSON COLLISIONS<br>- MANUAL HANDLING | NOTIFY ALL PARTIES CONCERNED OF DELIVERY DATES AND TIMES. ENSURE ALL PARTIES ARE FULLY AWARE OF SITE LIMITS IN PARTICULAR DEMISTIFIED ROUTES FOR UNLOADING AND RESTRICTED ACCESS TIMES. |
| TEMPORARY ELECTRICAL SERVICE INSTALLATIONS TO SITE AND SITE COMPOUNDS | - ELECTRIC SHOCK | ENSURE ALL SUPPLIES ARE INSTALLED IN ACCORDANCE WITH BS7671 AND ARE ONLY ACCESSIBLE IN LOCATIONS THAT ARE ONLY ACCESSIBLE FOR QUALIFIED AND SUITABLY TRAINED STAFF. |
| EXTERNAL WORKS AND POSSIBLE PRESENCE OF EXISTING UNDERGROUND SUPPLIES | - DAMAGE TO EXISTING SUPPLIES/ELECTRIC SHOCK | OBTAIN DETAILS OF LOCAL UNDERGROUND SERVICES AND ENSURE THAT THE CONTRACTOR UNDERTAKES A SURVEY OF THE PROPOSED ROUTES. SURVEY PROPOSED ROUTES NOTING OBSTRUCTIONS. HAND DIG ANY AREAS IDENTIFIED AS CONTAINING UNKNOWN ELEMENTS. |
| ON SITE USE OF TEMPORARY ELECTRICITY SUPPLIES TO PORTABLE EQUIPMENT | - TRIPPING FROM TRAILING LEADS | MINIMISE THE LENGTH OF TRAILING LEADS. LEADS TO BE ROUTED AND CLIPPED TO WALLS AT HIGH LEVEL WHERE POSSIBLE. ROUTES TO BE AGREED ON WORK PLANS AND HELD BY THE MAIN CONTRACTOR. |
| DRILLING/CHASING OF CONCRETE (FOR CONTAINMENT FIXINGS) | - DUST INJURY TO EYES/INHALATION OF DUST | APPROPRIATE PPE TO BE USED, E.G. EYE PROTECTION AND DUST MASKS. |
| HANDLING OF HEAVY EQUIPMENT | - INJURY - MUSCLE STRAIN - BONE FRACTURE | ENSURE ADEQUATE LABOUR/MECHANICAL HANDLING EQUIPMENT IS AVAILABLE. ADHERE TO GOOD PROCEDURES AND WORKING PRACTICES FOR LIFTING OPERATIONS. |
| GENERAL WORKING | - INJURY TO SITE PERSONNEL AND VISITORS | SITE ACCESS TO BE RESTRICTED AND CONTROLLED. ALL SITE PERSONNEL AND VISITORS TO BE INDUCTED BY THE MAIN CONTRACTOR. ALL PERSONNEL WORKING ON OR VISITING THE SITE TO BE AWARE OF THE CONSTRUCTION ENVIRONMENT THEY ENTER OR PASS THROUGH. |

| ARCHITECT'S DRAWING REFERENCE | REVISION |
|---|---|
| N/A | N/A |

| Rev | Amendment | Date | By |
|---|---|---|---|
| T1 | TENDER ISSUE | 30.09.24 | BH |

Clark Degnan Consulting Engineers

Clark Degnan Limited

Durham Office
Humber House,
Mandale Business Park
Belmont Industrial Estate
County Durham, DH1 1TH
Tel : 0191 3860860
www.clarkdegnan.co.uk

Newcastle Office
Amber Court,
William Armstrong Drive,
Newcastle upon Tyne
NE4 7YA
Tel : 0191 4325692
www.clarkdegnan.co.uk

Client: NEWCASTLE BUILDING SOCIETY

Project Title: 74 KING STREET MANCHESTER

Drawing Title: MECHANICAL SERVICES ABOVE GROUND DRAINAGE SCHEMATIC

| Drawn By | Checked By | Approved By |
|---|---|---|
| MK | BH | CD |

| Contract No. | Date | Scale @ A1 |
|---|---|---|
| 24427 | 12.08.24 | NTS@A1 |

Status: TENDER

Drawing Number: 24427-CDL-XX-ZZ-SC-M-3201

Rev: T1

Suitability: TE

TENDER