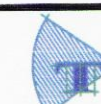


DO NOT SCALE



NOTES

THE WORKS SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING SPECIFICATION.

THE LOCATION LINE & LEVEL OF ALL KNOWN EXISTING DRAINAGE PIPEWORK INDICATED ON THE DRAWINGS ARE APPROXIMATE AND FOR GUIDANCE PURPOSES ONLY.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXACT LINE AND LEVEL, BY WAY OF HAND EXCAVATED TRIAL PITS, PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION WORKS ON SITE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS AND MAINTAIN THE STRUCTURAL INTEGRITY OF ALL ABOVE AND BELOW GROUND SERVICE INSTALLATIONS.

THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THROUGHOUT THE DURATION OF THE CONTRACT A FULL TRAFFIC MANAGEMENT SYSTEM TO ENSURE SAFE PASSAGE OF VEHICLES/PEDESTRIANS IN THE VICINITY OF THE WORKS. ALL TRAFFIC SIGNS, SIGNALS, BARRIERS ETC. SHALL BE IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.

THE CONTRACTOR SHALL MAKE ADEQUATE PROVISION FOR DEALING WITH AND DISPOSING OF GROUND/SURFACE WATER ENCOUNTERED DURING EXCAVATIONS.

ALL SOFT / HARD PAVED AREAS AFFECTED BY THE WORKS SHALL BE FULLY REINSTATED FOLLOWING THE INSTALLATION OF ALL DRAINAGE WORKS. ALL SURFACE MARKINGS AFFECTED BY THE WORKS SHALL BE FULLY REINSTATED.

ALL SURPLUS EXCAVATED MATERIAL SHALL BE DISPOSED OFF SITE.

UPON COMPLETION OF THE WORKS THE CONTRACTOR SHALL PROVIDE AS BUILT SETTING OUT CO-ORDINATE AND LEVEL INFORMATION.

PIPEWORK WITH LESS THAN 750mm OF COVER IN TRAFFICKED AREAS TO BE CONCRETE ENCASED. (BEDDING CLASS Z)

PIPEWORK WITH MORE THAN 750mm OF COVER TO HAVE CLASS 5 GRANULAR BED AND SURROUND.

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT'S, ENGINEERS AND SPECIALISTS' DRAWINGS TOGETHER WITH THE APPROPRIATE SPECIFICATION.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK ALL DIMENSIONS ON SITE. DIMENSIONS MUST NOT BE SCALED FROM THIS DRAWING. ANY DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT IN WRITING.

ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.

ALL LEVELS ARE IN METRES, UNLESS NOTED OTHERWISE.

LEGEND

| | |
|--|---|
| | EXISTING COMBINED FLOW PUBLIC SEWER |
| | PROPOSED FOUL DRAIN (1500 UNLESS NOTED OTHERWISE) |
| | PROPOSED SURFACE WATER DRAIN (1500 UNLESS NOTED OTHERWISE) |
| | PROPOSED ACO LINEAR DRAINAGE CHANNEL |
| | PROPOSED ACO CHANNEL SUMP UNIT |
| | BACKDROP |
| | PROPOSED SOIL VENT PIPE |
| | PROPOSED STUB STACK |
| | PROPOSED FOUL OUTLET FROM RETAIL UNIT (REFER TO ARCHITECT'S DRAWINGS FOR DETAILS) |
| | ALTERNATIVE FOUL OUTLET LOCATION (REFER TO ARCHITECT'S DRAWINGS FOR DETAILS) |
| | PROPOSED RAINWATER DOWN SPOUT |
| | OUTLET FROM ABOVE (REFER TO ARCHITECT'S DRAWINGS FOR DETAILS) |

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|----------|-----|---|-----|-----|
| C8 | 09.04.15 | WHL | DRAINAGE CHANNELS ADDED AS CLOUDED | MCH | MCH |
| C7 | 05.06.14 | DRL | OUTFALL ARRANGEMENT AMENDED AND MANHOLE CMH 1.0 ADDED IN LINE WITH INFORMATION RECEIVED FROM SITE. PUMP STATION ADDED TO STAIR CORE 1 IN LINE WITH CONTRACTORS COMMENT/REQUEST. | MCH | MCH |
| C6 | 09.05.14 | DRL | MANHOLE FMH 2.0 CHANGED FROM A POLYPROPYLENE INSPECTION CHAMBER TO A PRECAST CONCRETE RING IN LINE WITH CONTRACTORS COMMENT/REQUEST. | MCH | MCH |
| C5 | 08.05.14 | DRL | SVP (F3) ADDED ADJACENT TO STAIR CORE 2. EXTERNAL BACKDROPS ADDED TO MANHOLES FMH 1.0, 1.1 AND 1.2 IN LINE WITH CONTRACTORS COMMENT/REQUEST. ATTENTION PIPEWORK AMENDED IN LINE WITH SUPPLIERS DETAILS. | MCH | MCH |

S3 - CONSTRUCTION

Tier Consult Ltd
Elm House Farm
Seighton
Chester
CH3 6EN

Telephone: 01244 333080
Fax: 01244 333081
Mobile: 07956 687066
Email: info@tieruk.com

CLIENT: BP ASSETS Ltd

ARCHITECT: O'CONNELL EAST ARCHITECTS

PROJECT: ABLETT HOUSE, LIVERPOOL

TITLE: PROPOSED FOUL AND SURFACE WATER DRAINAGE LAYOUT

| | | | | | |
|---------------|---------------|-------------|----------|-----------|-----|
| SCALE @ SIZE: | 1:125 @ A1 | CHECKED: | MCH | APPROVED: | MCH |
| CAD FILE: | DESIGN/DRAWN: | DRL | DATE: | JUL 12 | |
| PROJECT No: | T/12/1140 | DRAWING No: | CL(19)01 | REV: | C8 |

NOTES

- THE CONTRACTOR SHALL CHECK ALL EXISTING INVERT LEVELS AND PIPE SIZES PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE WORKS, AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
- REFER TO ARCHITECT'S DRAWINGS FOR UNDER-SLUNG DRAINAGE DETAILS AND OUTLET SETTING OUT INFORMATION.
- UNDERCROFT MANHOLE COVER LEVELS WILL BE SUBJECT TO ADJUSTMENT UPON CONFIRMATION OF EXTERNAL LEVELS AND FALLS.
- ALLOW FOR 39m OF 12000 SURFACE WATER ATTENUATION PIPEWORK LAID AT A GRADIENT OF 1:400 TO ACHIEVE A STORAGE VOLUME OF 45.5 CUBIC METERS. OUTFALL PIPEWORK TO BE RESTRICTED TO 9 LITRES PER SECOND VIA A VORTEX FLOW CONTROL DEVICE.
- FORMING THE NEW ENTRANCE INTO THE UNDERCROFT PARKING AREA WILL BE SUBJECT TO THE RELEVANT HIGHWAY AGREEMENT AS REQUIRED BY LIVERPOOL CITY COUNCIL'S HIGHWAYS DEPARTMENT.
- PROPOSED CONNECTION TO THE PUBLIC SEWER IS SUBJECT TO A SECTION 106 AGREEMENT WITH UNITED UTILITIES.

