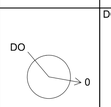
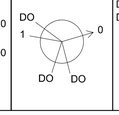
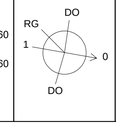
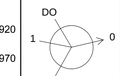
| Manhole Number | Cover Level | Connections | Pipe | | | | Manhole Size | Types | |
|---|---|---|---|---|---|---|---|---|---|
| Coordinates | Depth To Soffit | | Code | | Inverts | Diams | | Manhole Type & Features | Cover Type, Size & Opening Size |
| F100 | 97.790 |  | DO | PRIV | 96.00 | 150 | 1200 | Type 1 with Double Steps | 750x600 Eccentric Opening |
| E. 385973.923 | 1.640 | | | | | | | | 600x600 Eccentric D400 Cover |
| N. 404163.051 | | | 0 | F 1.000 | 96.00 | 150 | | | |

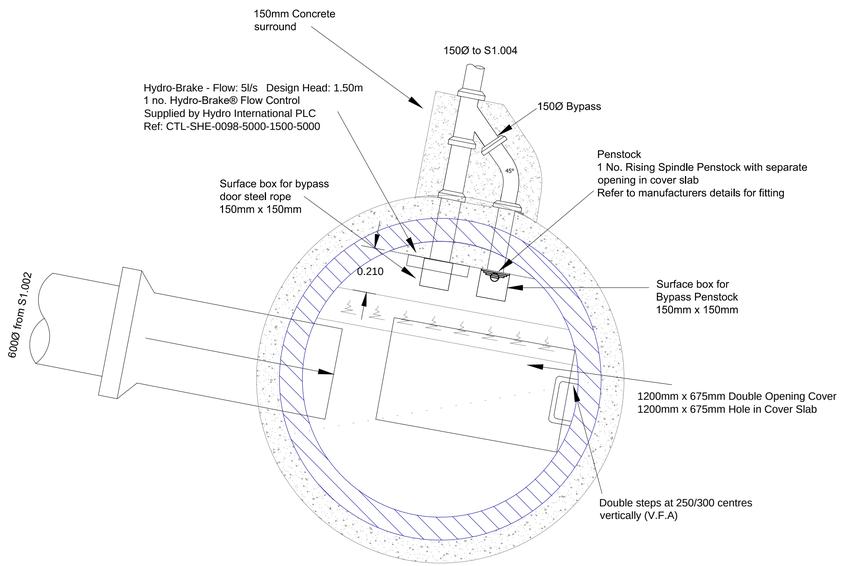
| Manhole Number | Cover Level | Connections | Pipe | | | | Manhole Size | Types | |
|---|---|---|---|---|---|---|---|---|---|
| Coordinates | Depth To Soffit | | Code | | Inverts | Diams | | Manhole Type & Features | Cover Type, Size & Opening Size |
| F101 | 97.820 |  | 1 | F 1.000 | 95.88 | 150 | 1350 | Type 1 with Double Steps | 750x600 Eccentric Opening |
| E. 385992.512 | 1.790 | | DO | PRIV | 95.88 | 150 | | | 600x600 Eccentric D400 Cover |
| N. 404159.773 | | | DO | PRIV | 95.88 | 150 | | | |
| | | | DO | PRIV | 95.88 | 150 | | | |
| | | | 0 | F 1.001 | 95.88 | 150 | | | |

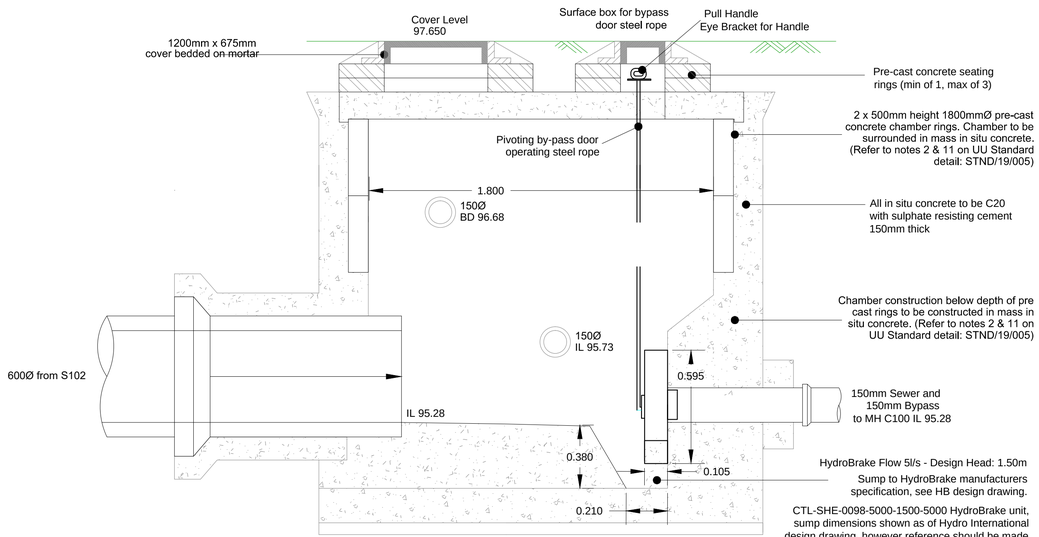
| Manhole Number | Cover Level | Connections | Pipe | | | | Manhole Size | Types | |
|---|---|---|---|---|---|---|---|---|---|
| Coordinates | Depth To Soffit | | Code | | Inverts | Diams | | Manhole Type & Features | Cover Type, Size & Opening Size |
| F102 | 97.650 |  | 1 | F 1.001 | 95.28 | 150 | 1200 | Type 1 with Double Steps | 750x600 Eccentric Opening |
| E. 385998.466 | 2.220 | | | | | | | | 600x600 Eccentric D400 Cover |
| N. 404161.512 | | | 0 | F 1.002 | 95.28 | 150 | | | |

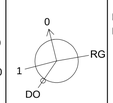
| Manhole Number | Cover Level | Connections | Pipe | | | | Manhole Size | Types | |
|---|---|---|---|---|---|---|---|---|---|
| Coordinates | Depth To Soffit | | Code | | Inverts | Diams | | Manhole Type & Features | Cover Type, Size & Opening Size |
| S100 | 97.340 |  | OF | TANK | 96.20 | 225 | 1800 | Shallow Manhole With Double Steps and Benching Box Cut Out As Per UU Detail STND/19/004 | 750x600 Eccentric Opening |
| E. 385956.651 | 1.290 | | RG | ROAD GULLY | 95.90 | 150 | | | 600x600 Eccentric D400 Cover |
| N. 404164.236 | | | 0 | S 1.000 | 95.45 | 600 | | | |

| Manhole Number | Cover Level | Connections | Pipe | | | | Manhole Size | Types | |
|---|---|---|---|---|---|---|---|---|---|
| Coordinates | Depth To Soffit | | Code | | Inverts | Diams | | Manhole Type & Features | Cover Type, Size & Opening Size |
| S101 | 97.760 |  | 1 | S 1.000 | 95.40 | 600 | 1800 | Type 4 with Double Steps | 750x600 Eccentric Opening |
| E. 385969.630 | 1.760 | | DO | PRIV | 95.85 | 150 | | | 600x600 Eccentric D400 Cover |
| N. 404161.808 | | | DO | PRIV | 95.85 | 150 | | | |
| | | | RG | ROAD GULLY | 95.85 | 150 | | | |
| | | | 0 | S 1.001 | 95.40 | 600 | | | |

| Manhole Number | Cover Level | Connections | Pipe | | | | Manhole Size | Types | |
|---|---|---|---|---|---|---|---|---|---|
| Coordinates | Depth To Soffit | | Code | | Inverts | Diams | | Manhole Type & Features | Cover Type, Size & Opening Size |
| S102 | 97.920 |  | 1 | S 1.001 | 95.32 | 600 | 1800 | Type 4 with Double Steps | 750x600 Eccentric Opening |
| E. 385990.352 | 1.970 | | DO | PRIV | 95.77 | 150 | | | 600x600 Eccentric D400 Cover |
| N. 404158.044 | | | DO | PRIV | 95.77 | 150 | | | |
| | | | 0 | S 1.002 | 95.32 | 600 | | | |




| Manhole Number | Cover Level | Connections | Pipe | | | | Manhole Size | Types | |
|---|---|---|---|---|---|---|---|---|---|
| Coordinates | Depth To Soffit | | Code | | Inverts | Diams | | Manhole | Cover |
| S103 DESIGN DEPTH: 1.500m DESIGN FLOW: 5.0l/s CTL-SHE-0098-5000-1500-5000 | 97.650 |  | 1 | 1.002 | 95.28 | 600 | 1800 | Flow Control Chamber Double Steps | 1200x675 Eccentric Opening |
| E. 386000.520 | 1.770 | | RG | ROAD GULLY | 95.70 | 150 | | | 1200x675 Eccentric D400 Cover |
| N. 404160.550 | | | DO | BACKDROP (PRIVATE) | 96.68 | 150 | | | |
| | | | 0 | 1.003 | 95.28 | 150 | | | |

ALL COVER & INVERT LEVEL INFORMATION HAS BEEN TAKEN FROM AVAILABLE TOPOGRAPHICAL SURVEY DATA OR UNITED UTILITIES AND CCTV REPORT. EXISTING PUBLIC WATER SEWERS ARE TO BE ABOVE GROUND PROBED, ROUTED AND INTERNALLY SURVEYED WITH ALL INFORMATION PASSED TO CARLEY DAINES AND PARTNERS FOR REVIEW PRIOR TO COMMENCEMENT ON SITE

CONSTRUCTION ISSUE

## NOTES

0m 1m 2m

1: 20 scale bar

**SITE LOCATION**
CHAIN ROAD,
BLACKLEY,
MANCHESTER.
M9 0RD.
EASTINGS: 386000;
NORTHINGS: 404140.

1. ALL DRAINAGE WORKS HAVE BEEN DESIGNED AND ARE TO BE CONSTRUCTED IN ACCORDANCE WITH BUILDING REGULATIONS DOCUMENT H & "SEWERS FOR ADOPTION 6TH EDITION" SUPPLEMENT GUIDELINES AND STANDARD DETAILS.
2. ALL CLAY PIPE WORK SHALL BE EXTRA STRENGTH CLAYWARE TO B.S EN 295:1991 PART 1
3. ALL PRECAST CONCRETE PIPEWORK SHALL BE TO THE CLASS STATED ON THE DRAWINGS IN ACCORDANCE WITH B.S EN 1916:2002. ALL MANHOLES AND CHAMBERS SHALL BE TO BS EN 1917:2002
4. THE CONTRACTOR MAY ELECT TO USE REINFORCED PVC PIPES AS COVERED BY B.S 4660:2000 & B.S EN 1401-1, STRUCTURED WALL UPVC PIPES TO COMPLY WITH WIS 4-35-01. (BY PRIOR AGREEMENT WITH ADOPTING AUTHORITY) MAX. PIPE LENGTH TO BE 3.0M
5. ALL LEVELS RELATE TO TOPOGRAPHICAL SURVEY DATUM.
6. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS
7. PLOT DRAINAGE CONNECTIONS TO SEWERS MUST BE 150MM DIAMETER AND UNLESS OTHERWISE STATED LAID TO THE INVERT SHOWN.
8. ALL INSPECTION CHAMBERS TO BE 450mm DIAMETER POLYPROPYLENE WITH A MAXIMUM DEPTH OF 1200mm FOR THE STANDARD UNIT & A MAXIMUM DEPTH OF 3000mm WHEN A 350mm REDUCING RING IS USED.
9. ALL PLOT DRAINAGE RUNS TO BE 100mm DIAMETER AT A NOMINAL FALL OF 1.80 UNLESS NOTED OTHERWISE.
10. RODDING EYES AT START OF EACH DRAINAGE RUN.
11. ALLOW FOR 5.0M OF 'ACO' DRAINAGE CHANNEL PER PROPERTY AT HIGHWAY BOUNDARY.
12. SURFACE WATER FROM PLOT PARKING AREAS MUST NOT DISCHARGE ONTO THE HIGHWAY.
13. PLOT DRAINAGE RUNS TO BE KEPT WITHIN THE CURTILAGE OF THE PLOT THEY SERVE WHEREVER POSSIBLE.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ANY EXISTING INVERT LEVELS INDICATED ON DRAWINGS ARE CORRECT BEFORE THE WORKS ARE COMMENCED.
15. ALL CONNECTIONS TO ADOPTABLE SEWERS SHALL BE MANUFACTURED JUNCTION PIPES. SADDLE CONNECTIONS WILL NOT BE PERMITTED, UNLESS SPECIFIED.
16. ALL SEWERS FOR ADOPTION WITH GREATER THAN 1.20M COVER IN ROADS OR 0.9M COVER IN FIELDS SHALL HAVE CLASS S GRANULAR BED AND SURROUND.
17. ANY SEWER WITH LESS THAN 1.2M COVER IN ROADS OR 0.9M COVER IN FIELDS SHALL HAVE A MINIMUM OF 150MM ST4 CONCRETE SURROUND. FLEXIBILITY SHALL BE MAINTAINED BY THE PROVISION OF FLEXCELL OR SIMILAR APPROVED JOINT FILLER BREAKS IN THE CONCRETE SURROUND AT EACH PIPE JOINT.
18. IT IS THE RESPONSIBILITY FOR THE CONTRACTOR TO CHECK ALL ONSITE EXISTING GROUND LEVELS PRIOR TO COMMENCING AND IF THERE ARE ANY DISCREPANCIES THE CONTRACTOR MUST REPORT TO THE ENGINEER IMMEDIATELY
19. CONTRACTOR TO CONFIRM THE COVER LEVEL, INVERT LEVEL & MANHOLE SIZE FOR THE EXISTING MANHOLE PRIOR TO CONTRACT START DATE.
20. ALL DRAINAGE SHOWN IN THIS DRAWING IS BASED ON ESTIMATES AND IS ALL SUBJECT TO A FURTHER DETAILED DESIGN STAGE AND IS SUBJECT TO CHANGE.

| REV. | DATE | DESCRIPTION |
|---|---|---|
| B | 25/05/22 | ISSUED FOR CONSTRUCTION. |
| A | 06/05/22 | COVER SIZES REVISED FOLLOWING UU ENGINEERS COMMENTS. |
| - | 25/02/22 | INITIAL ISSUE FOR S104 APPROVAL |

CLIENT

GREAT PLACES HOUSING GROUP
BOWKER SADLER ARCHITECTURE


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TITLE

CHAIN ROAD
BLACKLEY, MANCHESTER

SECTION 104 DRAWINGS
MANHOLES SCHEDULES
AND FLOW CONTROL DETAIL

| | | | |
|---|---|---|---|
| Drawn | AM | Checked | DM |
| Date | 25/02/2022 | Date | 25/02/2022 |
| Scale | 1:20 | @ A1 | |
| Drawing No. | 21-B-12851-206 | B | |