



DESIGN NOTE
DRIVEWAYS AND HARDSTANDING AREAS TO BE FITTED WITH ACO DRAINAGE CHANNELS TO PREVENT WATER RUN OFF ONTO PUBLIC/ PRIVATE AREAS.



DESIGN NOTE
PLOT DRAINAGE TO BE CONSTRUCTED TO BUILDING REGULATIONS DOCUMENT H. 100MMØ PIPES TO BE USED FOR PLOT DRAINAGE UNLESS SPECIFIED OTHERWISE, AND PLOT MANHOLES TO BE 450MMØ IN NON-VEHICULAR AREAS AND 900MMØ IN VEHICULAR AREAS - UNLESS SPECIFIED OTHERWISE. PLOT DRAINAGE SHOWN INDICATIVELY, TO BE ENHANCED AT DETAILED DESIGN STAGE WITH ACCURATE POP UP/ RWP POSITIONS.



DESIGN NOTE
INVERT LEVEL OF EXISTING DRAINAGE IN ADJACENT REAR GARDEN CONFIRMED BY CONTRACTOR IN FEBRUARY 2025.

DRAINAGE LEGEND:

PROPOSED PRIVATE SW DRAIN

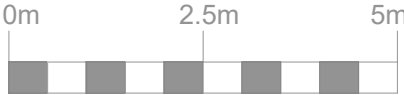
PROPOSED PRIVATE SW MANHOLE

PROPOSED PRIVATE FW DRAIN

PROPOSED PRIVATE FW MANHOLE

PROPOSED PRIVATE COMBINED DRAIN

PROPOSED PRIVATE COMBINED MANHOLE

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1:50 scale bar

SITE LOCATION
1468 ASHTON OLD ROAD,
OPENSHAW, MANCHESTER.
M11 1HH.
EASTINGS: 389785;
NORTHINGS: 397329.

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 BS EN 295:1991 PART 1

3. ALL PRECAST CONCRETE PIPEWORK SHALL BE TO THE CLASS STATED ON THE DRAWINGS IN ACCORDANCE WITH BS 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 JOINT FILLER 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.
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|--|----------------|---|
| | | 89.16 |
| B | 13/03/25 | REVISED TO SHOW REQUIREMENT FOR PACKAGE PUMPING STATION TO REACH OUTFALL. |
| A | 14/01/25 | DRAWING ENHANCED WITH ACCURATE LEVELS AND DETAILED DRAINAGE. |
| REV. | DATE | DESCRIPTION |
| CLIENT | | |
| MOSSCARE ST VINCENTS | | |
| <div><div><div>Carley Daines and Partners Limited</div><div>Consulting Civil and Structural Engineers</div></div><div><div>11 Bridgewater Road Walkden Worsley Manchester M28 3JE</div><div>Tel 0161 799 2720 Fax 0161 790 3474</div><div>E-mail mail@carleydaines.co.uk</div></div></div> | | |
| TITLE | | |
| 1468 ASHTON OLD ROAD,
OPENSHAW
PROPOSED DRAINAGE
LAYOUT | | |
| Drawn | M.HOLE | Checked A.MULLIGAN |
| Date | DECEMBER 2023 | Date DECEMBER 2023 |
| Scale | 1:50 | |
| Drawing No. | 23-B-13881/200 | B |
-
- NEW SURFACE WATER MANHOLE SWMH4 TO CONTAIN HYDROBRAKE TO CONTROL FLOW TO MAXIMUM FLOW RATE OF 5L/S. THIS HAS BEEN CALCULATED WITH THE PROPOSED IMPERMEABLE AREAS USING MICRODRAINAGE, AND NO ADDITIONAL ATTENUATION IS REQUIRED AS PROPOSED PIPES ALONE ARE SUFFICIENT. FLOW: 5L/S DESIGN HEAD: 0.70m SHE-0110-5000-0700-5000
- NEW DRAINAGE TO DISCHARGE INTO PACKAGE PUMPING STATION: FOUL AT UNCONTROLLED RATE; SURFACE WATER AT 5L/S AFTER HYDROBRAKE. PACKAGE PUMPING STATION AS PER MANUFACTURERS GUIDANCE, SUGGESTED SIZE 1000mmØ X 2000mm DEPTH. RISING MAIN FROM PACKAGE PUMPING STATION (SIZE TBC BY MANUFACTURER) TO DISCHARGE INTO ADJACENT SITES EXISTING MANHOLE ON EXISTING COMBINED DRAIN RUNNING THROUGH REAR GARDEN. EXACT INVERT LEVEL OF NEW CONNECTION AS SURVEYED FEBRUARY 2025.
- EXISTING DRAINAGE TO 1466 ASHTON OLD RD
CL: 89.00m
IL: 88.25m
- LAND OWNER HAS GIVEN PERMISSION TO MAKE CONNECTION IN ADJACENT GARDEN