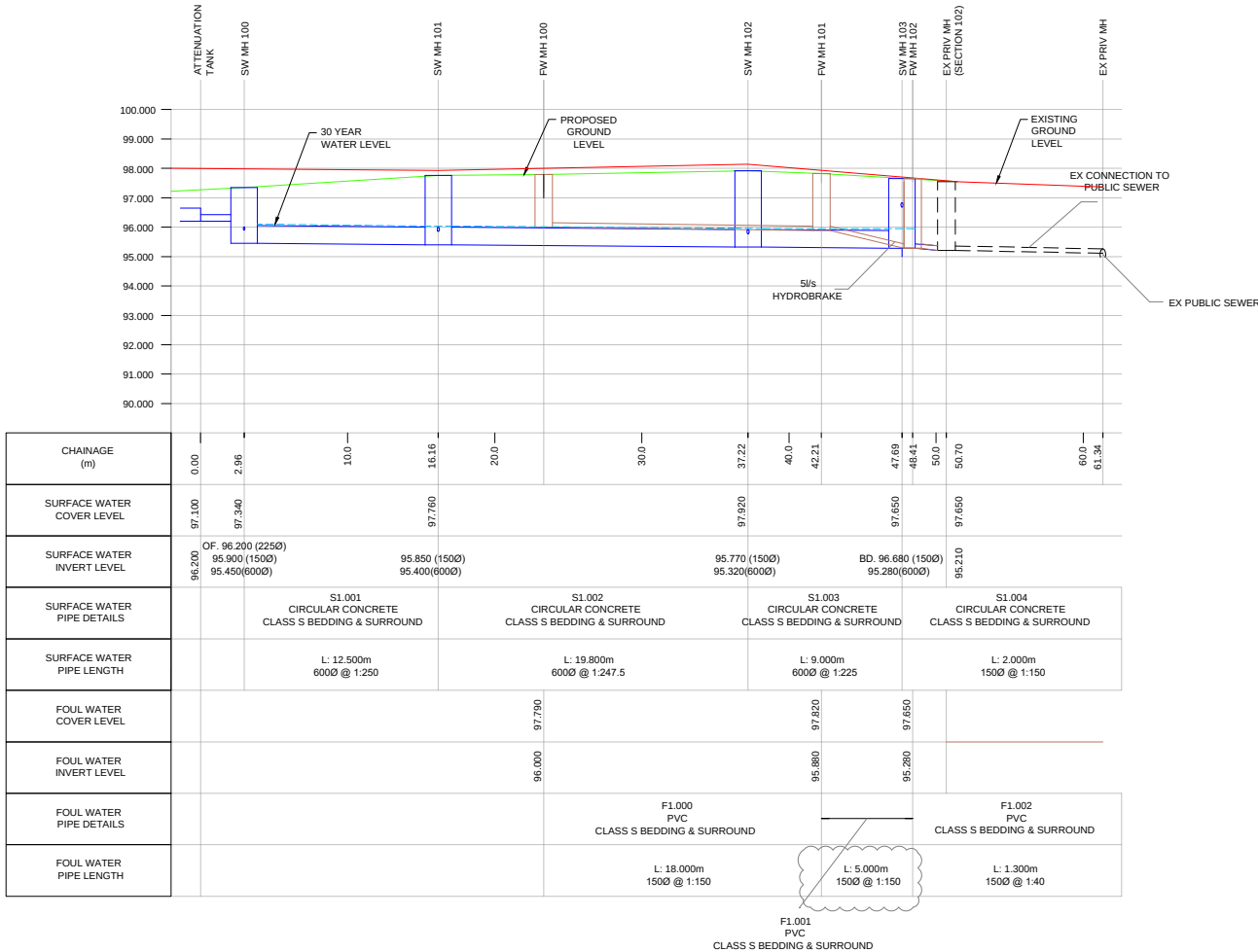


ALL COVER & INVERT LEVEL INFORMATION HAS BEEN TAKEN FROM AVAILABLE TOPOGRAPHICAL SURVEY DATA OR UNITED UTILITIES AND CCTV REPORT. EXISTING PUBLIC WATER SEWERS ARE TO BE ABOVE GROUND PROBED, ROUTED AND INTERNALLY SURVEYED WITH ALL INFORMATION PASSED TO CARLEY DAINES AND PARTNERS FOR REVIEW PRIOR TO COMMENCEMENT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



DESIGN NOTE
FOR SEWERS TO BE ADOPTED BY UNITED UTILITIES, SYSTEM TO BE DESIGNED TO ADOPTABLE STANDARDS AND SUBMITTED FOR APPROVAL UNDER SECTION 104 AGREEMENT.

DESIGN NOTE
ALL EXISTING COVER, INVERT AND MANHOLE LOCATIONS TO BE ASCERTAINED BEFORE CONNECTION POINTS ARE FINALIZED. SITE ENGINEER TO REPORT BACK WITH DRAINAGE LEVELS.

DESIGN NOTE
ATTENUATION TANK TO BE DESIGNED TO STORE WATER FROM STORMS ABOVE 1 IN 30 YEAR WATER LEVEL, UP TO AND INCLUDING 1 IN 100 YEAR EVENT PLUS 40% CLIMATE CHANGE INCREASE.

DESIGN NOTE
SECTION 106 APPLICATION TO BE IN PLACE WITH UNITED UTILITIES BEFORE CONNECTION IS MADE TO THE PUBLIC SEWER SYSTEM

NOTES

0m 20m 40m

1: 500 scale bar

SITE LOCATION
CHAIN ROAD,
BLACKLEY,
MANCHESTER.
M9 ORD.
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 S
2. ALL CLAY PIPE WORK SHALL BE EXTRA STRENGTH CLAYWARE TO BS EN 286:2003 PART 1
3. ALL PRECAST CONCRETE PIPEWORK SHALL BE TO THE CLASS STATED ON THE DRAWINGS IN ACCORDANCE WITH BS EN 1312:2002. ALL MANHOLES AND CHAMBERS SHALL BE TO BS EN 1317:2002
4. THE CONTRACTOR MAY ELECT TO USE REINFORCED PVC PIPES AS COVERED BY BS EN 460:2000 & BS EN 3401-2. 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. RIDING EYES AT START OF EACH DRAINAGE RUN
11. ALLOW FOR 5.0M OF ACC 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 CURTLAGE 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 1.2M 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 50MM STA 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

C	05/07/22	TYPING ERROR CORRECTED.
B	25/05/22	ISSUED FOR CONSTRUCTION.
A	25/02/22	COVER LEVELS & TANK HEIGHT REVISED. ISSUED TO UU FOR S104 APPROVAL.
-	20/01/22	INITIAL ISSUE TO UU FOR S104 APPROVAL.
REV.	DATE	DESCRIPTION

CLIENT
GREAT PLACES HOUSING GROUP
BOWKER SADLER ARCHITECTURE

Carley
Daines and
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E-mail mail@carleydaines.co.uk

TITLE
CHAIN ROAD
BLACKLEY, MANCHESTER
SECTION 104 DRAWINGS
LONGITUDINAL SECTION

Drawn	AM	Checked	DM
Date	20/01/2022	Date	20/01/2022
Scale	H1:500 V1:250 @ A3		
Drawing No.	21-B-12851-205		C

CONSTRUCTION ISSUE