

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



- DRAINAGE LEGEND:**
- SITE BOUNDARY
 - PROPOSED SW SEWER FOR ADOPTION
 - PROPOSED SW MANHOLE FOR ADOPTION
 - PROPOSED FW SEWER FOR ADOPTION
 - PROPOSED FW MANHOLE FOR ADOPTION
 - PROPOSED 3M EASEMENT TO S104 APPARATUS
 - EXISTING PUBLIC SEWER APPARATUS

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
SECTION 106/ 104 APPLICATION TO BE IN PLACE WITH UNITED UTILITIES BEFORE CONNECTION IS MADE TO THE PUBLIC SEWER SYSTEM

DESIGN NOTE
POSSIBILITY OF UTILISING EXISTING MANHOLE AND CONNECTION TO SEWER UNDER RETROSPECTIVE S102 ADOPTION TO BE EXPLORED WITH UNITED UTILITIES. FAILURE TO BE ACCEPTED WOULD RESULT IN NEW APPARATUS TO BE CONSTRUCTION AND NEW CONNECTION TO PUBLIC SEWER.

NOTES

0m 20m 40m

1: 1,250 scale bar

SITE LOCATION
CHAIN ROAD,
BLACKLEY,
MANCHESTER.
M9 ORD.
EASTINGS: 386000;
NORTHINGS: 404140.

- NOTES**
1. ALL DRAINAGE WORKS HAVE BEEN DESIGNED AND ARE TO BE CONSTRUCTED IN ACCORDANCE WITH BUILDING REGULATIONS DOCUMENT H & "SEWERS FOR ADOPTION 10TH EDITION" SUPPLEMENT GUIDELINES AND STANDARD DETAILS.
 2. ALL CLAY PIPE WORK SHALL BE EXTRA STRENGTH CLAYWARE TO BS EN 295:1995 PART 1.
 3. ALL PRECAST CONCRETE PIPEWORK SHALL BE TO THE CLASS STATED ON THE DRAWINGS IN ACCORDANCE WITH BS EN 1516:2002. ALL MANHOLES AND CHAMBERS SHALL BE TO BS EN 1517:2002.
 4. THE CONTRACTOR MAY ELECT TO USE REINFORCED PVC PIPES AS COVERED BY BS EN 4560:2000 & BS EN 1401:1. STRUCTURED WALL UPVC PIPES TO COMPLY WITH BS 435:01. (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 LEAD 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 300mm 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 1400 DRAINAGE CHANNEL PER PROPERTY AT HIGHWAY BOUNDARY.
 12. SURFACE WATER FROM PLOT PARKING AREAS MUST NOT DISCHARGE ONTO THE HIGHWAY, WHEREVER POSSIBLE.
 13. PLOT DRAINAGE RUNS TO BE KEPT WITHIN THE CURTLAGE OF THE PLOT THEY SERVE.
 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 0.5M COVER IN FIELDS SHALL HAVE CLASS 5 GRANULAR BED AND SURROUND.
 17. ANY SEWER WITH LESS THAN 1.2M COVER IN ROADS OR 0.5M COVER IN FIELDS SHALL HAVE A MINIMUM OF 150MM ST4 CONCRETE SURROUND. FLEXIBILITY SHALL BE MAINTAINED BY THE PROVISION OF FLEXICOL 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 ON-SITE 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.

B	06/05/22	REVISED TO UU ENGINEER COMMENTS
A	25/02/22	REVISED TO UU ENGINEER COMMENTS
-	20/01/22	INITIAL ISSUE FOR SECTION 104 APPROVAL
REV.	DATE	DESCRIPTION

CLIENT
GREAT PLACES HOUSING GROUP
BOWKER SADLER ARCHITECTURE

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TITLE
CHAIN ROAD
BLACKLEY, MANCHESTER
SECTION 104 DRAWINGS
A3 LEGALS PLAN

Drawn	AM	Checked	DM
Date	20/01/2022	Date	20/01/2022
Scale	1: 1,250	@	A3
Drawing No.	21-B-12851-204		B