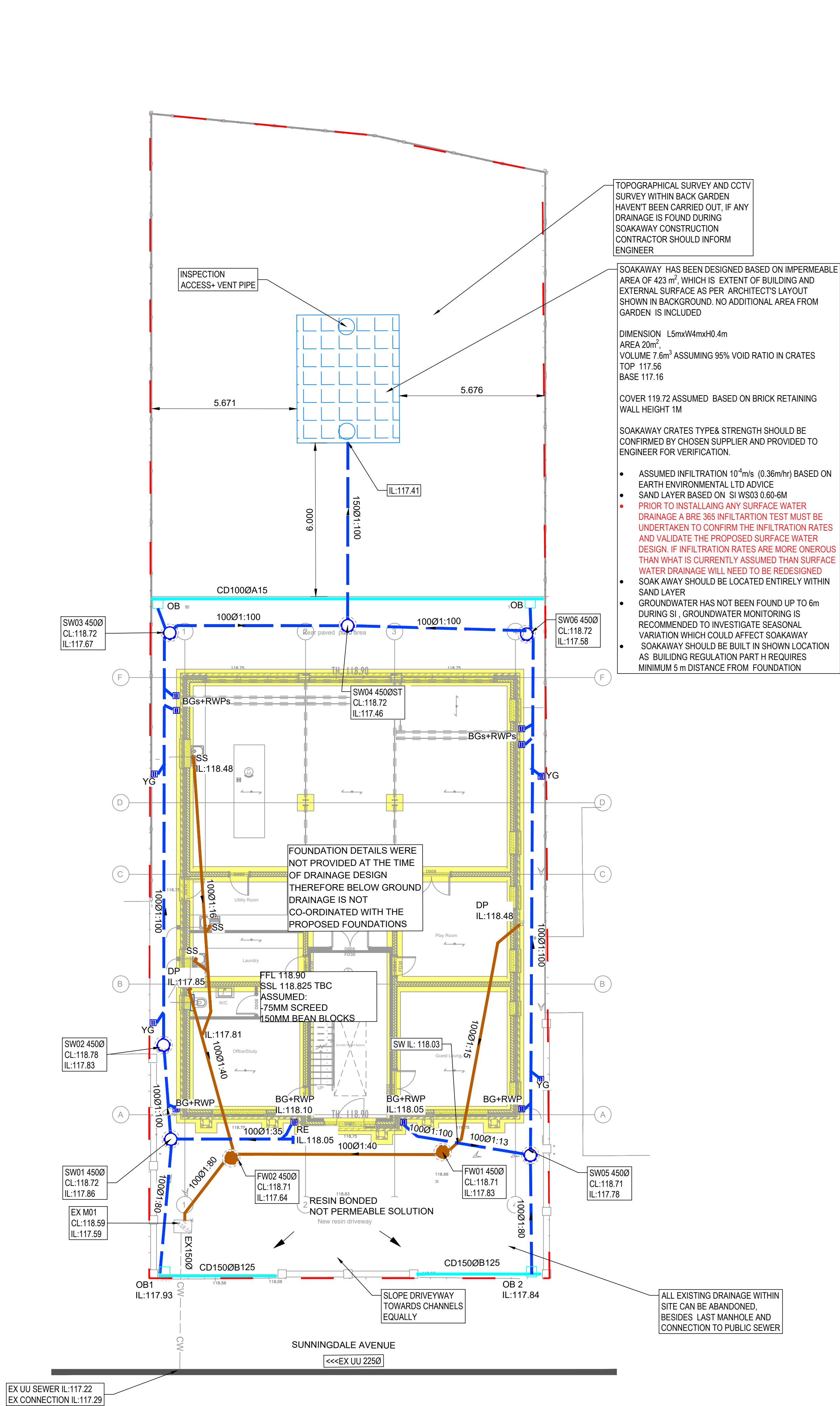




	OWNERSHIP BOUNDARY
	ASSUMED PUBLIC COMBINED SEWER LOCATION BASED ON PUBLIC SEWER RECORDS
	PROPOSED SURFACE WATER DRAIN
	PROPOSED FOUL WATER DRAIN
CD 	CHANNEL DRAIN
OB 	OUTLET BOX
BG+RWP 	RWP DISCHARGING TO BOTTLE GULLY GRATING
Y 	YARD GULLY
DP 	ASSUMED NEW FOUL WATER DOWNPIPE
SS 	FOUL WATER STUB STACK
RE 	RODDING EYE
	FOUNDATION PROVIDED BY ARCHITECT
	SOAKAWAY

- ARCHITECT PLANS 09.01.25
- TOPOGRAPHICAL SURVEY PLS 02.01.24
- CCTV SURVEY SGB DRAINAGE 18.12.2024
- SITE INVESTIGATION EARTH ENVIRONMENTAL JAN 2025
A6184/24/SI
- ASSUMED INFILTRATION RATE EARTH ENVIRONMENTAL
EMAIL JAN 2025

TO BE CONFIRMED:

- INFILTRATION TEST RESULTS FROM A BRE SOAKAWAY TEST AND GROUND WATER MONITORING
- FOUNDATIONS PLAN& FOUNDATION DETAILS
- SLAB LEVEL
- FLOOR BUILDUPS
- EXTERNAL LEVELS -AS PER PREVIOUS SKETCH

PROPOSED OR EXISTING SERVICES ROUTE WERE NOT PROVIDED DURING DRAINAGE DESIGN THEREFORE BELOW GROUND DRAINAGE IS NOT CO-ORDINATED WITH THE BELOW GROUND SERVICES

S106 APPLICATION TO UNITED UTILITIES IS NOT REQUIRED
AS EXISTING CONNECTION WILL BE REUSED IN CURRENT
PROPOSAL

CHANNEL

- CD150 B125
DESIGNED AS ACO CHANNEL M100DS 0.0 WITH
M100DS UNIVERSAL SUMP UNIT
- CD100 A15
DESIGNED AS ACO CHANNEL M100DS 0.0100
WITH M100DS UNIVERSAL SUMP UNIT

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS

2. ALL APPLICABLE DRAINAGE WORKS INCLUDING WORKS TO EXISTING PUBLIC SEWERS TO BE UNDERTAKEN IN ACCORDANCE WITH THE CIVIL ENGINEERING ADOPTION 7th EDITION AND CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 7th EDITION AND CONSTRUCTED TO THE RELEVANT STATUTORY UNDERTAKERS DETAILS

3. ALL PRIVATE DRAINAGE WORKS TO BE IN ACCORDANCE WITH: "CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 7th EDITION, BS EN 752 701 DRAIN AND SEWER SYSTEMS OUTSIDE BUILDINGS" AND THE BUILDING REGULATIONS APPROVED DOCUMENT H.

4. DO NOT SCALE THIS DRAWING, ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE UNDERTAKERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.

5. DESIGN BASED ON TOPOGRAPHICAL SURVEY'S C/S SURVEY INFORMATION AVAILABLE AT THE TIME OF THE DESIGN.

6. ALL DIMENSIONS ARE IN METRES AND LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS OTHERWISE NOTED.

7. COVER LEVELS, GULLY POSITIONS, AND BUILDINGS LOCATION ARE APPROXIMATE AND SHALL BE CONFIRMED BY ARCHITECT / LANDSCAPE ARCHITECT. CONTRACTOR TO ALLOW FOR ADJUSTMENT TO SUIT AGREED POSITIONS AND FINISHED LEVELS, AND CONFIRM ALL COVER LEVELS ON SITE.

8. ALL INTERNAL DRAINAGE CONNECTIONS ARE PROVIDED TO THE PENETRATION POSITIONS SHOWN ON ARCHITECT AND IMAGE DRAWINGS. REFER TO DIMENSIONED LOCATIONS AND DIMETERS ON ARCHITECTS GROUND FLOOR SETTING-OUT PLANS.

9. ALL UNDERGROUND FLOOR DRAINAGE SHOULD BE SUITABLY VENTED AT OR NEAR TO THE HEAD OF RUN.

10. ALL ACCESS FITTINGS, STACKS, RWPS AND GULLIES TO BE RODDABLE. ALL TO HAVE LOW LEVEL ROODING PLATES ATTACHED UNLESS AN ALTERNATIVE MEANS OF ACCESS IS AGREED. ACCESS POINT TO BE ABOVE ANY GROUND FLOOR CONNECTED APPLIQUE SILL LEVEL.

11. LARGE ACCESS FITTING REQUIRED ABOVE GROUND WHERE GREATER THAN 12M TO 12M TO A JUNCTION. SMALL ACCESS FITTING REQUIRED UP TO 12M TO A JUNCTION.

12. ALL GULLY AND CHANNEL DRAIN OUTLETS AND TERMINATION POINTS TO BE TRAPPED AND RODDABLE. INTERNALS AND CHANNEL DRAINS TO BE SPW BY OTHERS.

13. WHERE NO WCS ARE CONNECTED UPSTREAM, UNDERSLAB SFV DRAINAGE TO BE LAID AT 1:40 MIN. AFTER THE CONNECTION AT LEAST 100 MM, A MIN. FALL OF 1:80 APPLIES.

14. ALL CONNECTIONS FROM POP-UPS TO BE LAID AT A CONSTANT GRADE TO JUNCTION / INSPECTION CHAMBER / MANHOLE UNLESS NOTED OTHERWISE. ANY ISSUES RELATING TO CLASHES WITH FOUNDATIONS ARE TO BE FORWARDED TO THE ENGINEER. ALLOWING SUFFICIENT TIME FOR AN ALTERNATIVE SOLUTION TO BE PROPOSED.

15. INVERT LEVELS AT MANHOLES / INSPECTION CHAMBERS TO BE USED TO SET OUT PIPEWORK. PIPE GRADIENTS ARE SHOWN INDICATIVELY ONLY.

16. ALL PIPE DIAMETERS GIVEN ARE NOMINAL INTERNAL PIPE DIAMETERS.

17. ALL SEWERS, UNLESS AGREED OTHERWISE STATED, SHALL BE:
• 100mm to 300mm DIA TO BE VITRIFIED CLAY.

18. AS AN ALTERNATIVE THE CONTRACTOR MAY USE AN APPROVED UNPLASTICISED POLYVINYL CHLORIDE (PVCU) WITH APPROVAL FROM THE ENGINEER.

19. SEWER PIPES TO BE LAID IN MAXIMUM 3 METRE LENGTHS UNLESS THERE IS A SPECIFIC OPERATIONAL NEED TO LAY LONGER LENGTHS.

20. THE FIRST PIPE OUT OF MANHOLES TO BE AS SHORT AS PRACTICABLE SO AS TO PROVIDE A FLEXIBLE JOINT AS CLOSE AS POSSIBLE TO THE OUTSIDE FACE OF THE CONCRETE SURROUND AND CONNECT TO A LENGTH OF ROOGER PIPE.

21. ALL NEW CONNECTIONS INTO EXISTING MANHOLES (OR INTO EXISTING SEWERS) TO BE 'SOFFITS LEVEL' UNLESS OTHERWISE NOTED.

22. ALL PRIVATE DRAINAGE PIPES WITH A COVER OF LESS THAN 600mm IN NON-TRAFFICKED AREAS AND LESS THAN 1200mm IN TRAFFICKED AREAS TO BE BEDDED AND SURROUNDED IN CONCRETE (CLASS 2). COMPRESSIBLE MATERIAL SHALL BE PROVIDED AT EVERY JOINT. WHERE COVER EXCEEDS THIS DEPTH, PIPES ARE TYPICALLY BEDDED AND SURROUNDED IN CLASS 5. REFER TO PIPE EMBEDMENT DETAILS DRAWING FOR SPECIFIC TYPES.

23. WHERE DRAINAGE PIPES ARE LESS THAN 300mm BELOW THE UNDERSIDE OF THE GROUND FLOOR SLAB, CONCRETE ENCASEMENT IS REQUIRED (CLASS 2). COMPRESSIBLE JOINTS ARE TO BE PROVIDED AT EVERY JOINT WITHIN THE CONCRETE.

24. WHERE PIPES ARE MORE THAN 300mm BELOW THE UNDERSIDE OF THE SLAB, CLASS 5 BEDDING IS ACCEPTABLE.

25. SULPHATE RESISTANT CEMENT (BS1861-15) AND PRECAST CONCRETE PRODUCTS MUST BE USED.

26. WHERE FLOOR SEWERS RUN ABOVE SURFACE SURFACES, CONCRETE PROTECTION MAY BE REQUIRED TO OVERLOOKS TO PREVENT ANY POTENTIAL CONTAMINATION.

27. ALL CONNECTIONS PASSING THROUGH BASES OR EDGE BEAMS TO BE IN SEALED SLEEVES. ALTERNATIVE CONNECTIONS MAY BE CAST-IN WITH FLEXIBLE JOINTS NOT GREATER THAN 150MM FROM FACE OF CONCRETE.

28. THE CHAMBER SIZE OF MANHOLES WITH MORE THAN ONE CONNECTION MAY NEED TO BE INCREASED TO ACCOMMODATE THE CONNECTIONS AND BENDS.

29. ALL MANHOLE COVERS IN BLOCKS/LAB AND EXTERNAL PAVING AREAS TO HAVE RECESSED COVERS OF THE APPROPRIATE GRADE TO ACCOPE ARCHITECTS PAVING PROPOSAL.

30. UNLESS NOTED OTHERWISE IN THE MANHOLE SCHEDULE, ALL MANHOLE GULLY AND CHANNEL COVERS (IRONWORK) SHOULD BE THE FOLLOWING CONFIGURATION:
• 815x540 CLASS 5 (OR DRIVABLE)
• A15 IN THE FOOTWAY

31. ALL PROPRIETARY PRODUCTS TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS, INSTRUCTIONS AND RECOMMENDATIONS.

19.02.25	ISSUED FOR COMMENTS	M.A	P01
DATE	REVISION DETAILS	INITIALS	REV

MAKE
CONSULTING ENGINEERS LTD
3 MULBERRY WALK
BLACKBURN | LANCASHIRE | BB1 1UH
T: 07782352884 E: MUSAB_AINEKAR@HOTMAIL.CO.UK

STATUS:

PRELIMINARY

PROJECT:

3 SUNNINGALE AVE

DRAWING TITLE:

PROPOSED DRAINAGE PLAN

SIZE:	DATE:	DRAWN:	DESIGNED:	CHECKED:
A1	19.02.25	MJ	MJ	MA
SCALE:	1:100			

240304 - MAK - 00 - ZZ - DR - C - 92-000 - P01