DRAINAGE

1. ALL DRAINAGE WORKS ARE TO BE CONSTRUCTED IN STRICT ACCORDANCE WITH LOCAL AUTHORITY SPECIFICATIONS, BUILDING REGULATIONS APPROVED DOCUMENT H, SEWERS FOR ADOPTION, BS 8301 & BS EN 751-1.
2. WHERE A METHOD OF CONSTRUCTION OR SEQUENCE IS NOTED ON A DRAWING, IT SHOULD BE ADHERED TO AND ANY VARIATION TO THIS MUST BE AGREED IN ADVANCE BY THE ENGINEER.
3. FOR LOCATION AND SETTING OUT OF BUILDING DRAINAGE (POP UPS) REFER TO ARCHITECT'S DRAWINGS.
4. ALL PIPE RUNS NEAR BUILDINGS ARE TO COMPLY WITH THE BUILDING REGULATIONS APPROVED DOCUMENT H. WHERE A PIPE IS WITHIN 1.0 M OF A FOUNDATION THE TRENCH SHALL BE FILLED WITH GEN3 CONCRETE UP TO THE FORMATION LEVEL OF THE FOUNDATION. WHERE THE TRENCH IS FURTHER THAN 1.0 M FROM THE FOUNDATION, THE TRENCH SHALL BE FILLED WITH GEN3 CONCRETE TO A LEVEL EQUAL TO THE DISTANCE FROM THE FOUNDATION LESS 150. IN BOTH CASES, THE PIPE SHALL BE BEDDED AND SURROUNDED IN A MINIMUM 150 (THK) GEN3 CONCRETE.
5. SEE DRAINAGE DETAILS FOR BEDDING REQUIREMENTS TYPICALLY.
6. IN ANY CIRCUMSTANCES WHERE PIPES ARE BEDDED & SURROUNDED IN CONCRETE, FLEXIBLE JOINTS SHOULD BE PROVIDED. COMPRESSIBLE BOARDS (SUCH AS FIBREBOARD OR POYSTYRENE) SHALL BE PROVIDED AT A MAXIMUM OF 8.0 M CTRS & COINCIDE WITH PIPE JOINTS. THE BOARDS SHALL BE PRE-CUT TO SUIT THE PIPE DIAMETER AND TO A HEIGHT AND WIDTH EQUAL TO THE CONCRETE CROSS-SECTION. MIN 18 (THK) BOARD THICKNESSES ARE TO BE USED FOR PIPES UP TO 450 (DIA) AND MIN 36 (THK) BOARD FOR PIPES OVER 450 (DIA).
7. ALL PRIVATE BUILDING DRAINAGE SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH BS EN 752. ALL BUILDING DRAINS SHALL BE LAID IN CONJUNCTION WITH 'NON ADOPTIVE BEDDING DETAILS' (CLASS D, N OR B TO BUILDING REGULATIONS APPROVED DOCUMENT H), UNLESS OTHERWISE SPECIFIED.
8. ALL uPVC PIPEWORK IS TO BE IN FULL CONFORMITY WITH 'UPVC / THERMOPLASTIC PIPE NOTES' AS INDICATED ON THE DRAINAGE DETAILS DRAWING, WITH PROPOSALS SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORKS.
9. ALL BACK INLET GULLIES ARE TO BE RODDABLE OR CONNECTED TO INSPECTION CHAMBERS.
10. ALL RAINWATER CONNECTIONS NOT PASSING DIRECTLY INTO AN ACCESS CHAMBER ARE TO BE FITTED WITH A RODDABLE ACCESS GULLY.
11. ALL GULLY CONNECTIONS OTHER THAN AT MANHOLES ARE TO BE INSTALLED AT 45 DEGREE 'Y' JUNCTIONS.
12. ALL ROAD GULLY CONNECTIONS ARE TO BE 150 (DIA).
13. ALL STUB STACKS (SS'S) ARE TO BE FITTED WITH AIR ADMITTANCE VALVES & STUB STACKS ARE NOT PERMITTED AT HEAD OF THE RUN.
14. ALL SOIL & VENT PIPES (SVP'S) ARE TO BE FULL HEIGHT AND TERMINATE TO ATMOSPHERE.
15. ALL CONNECTIONS ARE TO BE SOFFIT TO SOFFIT UNLESS OTHERWISE NOTED.
16. ALL SOAKAWAYS ARE TO BE LOCATED MIN 5.0 M CLEAR DISTANCE FROM EXISTING & PROPOSED BUILDINGS.
17. PIPES PASSING OVER FOOTINGS ARE TO HAVE LINTELS OVER AND BE APPROPRIATELY REBATED OR SLEEVED IF RUNNING AT A LEVEL BELOW THE TOP OF THE FOOTING. SUBMIT PROPOSALS TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORKS IN ALL INSTANCES.
18. ALL CONCRETE AND CONCRETE PRODUCTS ARE TO BE SULPHATE RESISTING UNLESS OTHERWISE NOTED.
19. THE LOCATIONS OF ALL SVP'S, SS'S AND RWP'S ARE TO BE CROSS-REFERENCED AGAINST THE ARCHITECT AND/OR BELOW GROUND DRAINAGE DESIGNER'S DRAWINGS DURING SETTING OUT & ANY DISCREPANCY REPORTED TO THE ENGINEER IMMEDIATELY.
20. BEFORE CONNECTIONS ARE MADE TO EXISTING PUBLIC SEWERS AN APPLICATION UNDER SECTION 106 OF THE WATER INDUSTRY ACT MUST BE MADE TO THE SEWERAGE UNDERTAKER AND THE CONTRACTOR UNDERTAKING THE WORKS MUST COMPLY WITH THE CONDITIONS OF THE CONSENT.
21. THE PRECISE DEPTH, LOCATION AND SIZE OF EXISTING PIPES OR MANHOLES WHERE CONNECTIONS OR DIVERSIONS ARE PROPOSED MUST BE CONFIRMED AND REPORTED TO THE ENGINEER AS SOON AS POSSIBLE & PRIOR TO THE COMMENCEMENT OF WORKS TO ENSURE THE PROPOSED DESIGN CAN BE ACHIEVED.
22. THE CONTRACTOR SHALL ASCERTAIN THE DEPTHS, SIZES & LOCATIONS OF ALL SERVICES TO BE CROSSED BEFORE EXCAVATION COMMENCES. ANY CONFLICT IN LEVELS BETWEEN NEW & EXISTING SEWERS MUST BE REPORTED TO THE ENGINEER AS SOON AS POSSIBLE & PRIOR TO THE COMMENCEMENT OF WORKS.

CLEANSING OF EXISTING DRAINAGE

PRIOR TO THE COMMENCEMENT OF WORKS:

1. ALLOW FOR FULL JET CLEANSING & DE-SCALING OF EXISTING DRAINAGE TO BE RETAINED IN ORDER TO REMOVE ALL DEBRIS, BLOCKAGES, SCALE ETC. TO ENSURE SYSTEM RETURNED TO GOOD FUNCTION.
2. ON COMPLETION OF JET CLEANSING, ALLOW TO UNDERTAKE FULL CCTV SURVEY OF EXISTING RETAINED DRAINAGE & SUBMIT BOTH CCTV FOOTAGE & INTERPRETIVE REPORT TO ENGINEER FOR APPROVAL. NOTE THE REQUIREMENT FOR FURTHER REPAIR WORKS MAY ARISE FOLLOWING INTERROGATION OF FOOTAGE.

TEMPORARY WORKS & PHASING

1. THE CONTRACTOR IS TO MAKE DUE ALLOWANCE TO ENSURE THAT THE EXISTING DRAINAGE SERVING THE PROPERTY REMAINS FUNCTIONAL AT ALL TIMES. ALLOWANCE SHOULD BE MADE FOR PHASING OF THE WORKS AND/OR ANY TEMPORARY MEASURES (SUCH AS OVERPUMPING ETC.), AS MAY BE NECESSARY.

GENERALLY

1. DETAILS OF THE EXISTING DRAINAGE NETWORK INFERRED FROM RECORD DRAWINGS. INFERRED INFORMATION MARKED THUS (*).
2. EXISTING LEVELS ARE TO BE VERIFIED AT ALL POINTS OF CONNECTION FOR NEW DRAINAGE, TO VERIFY THE DESIGN.
3. UNLESS OTHERWISE NOTED, NO ASSESSMENT HAS BEEN UNDERTAKEN TO CONFIRM THE COMPETENCE OF THE EXISTING 'AS DRAWN' DRAINAGE OR THAT OF THE WIDER DRAINAGE NETWORK SERVING THE SITE.

LEGEND

- EXISTING COMBINED DRAINAGE
- EXISTING FOUL WATER DRAINAGE
- EXISTING SURFACE WATER DRAINAGE
- EXISTING RUN TO BE ABANDONED
- PROPOSED FOUL WATER RUN (DN100 AT MIN 1:80 uPVC U.N.O)
- PROPOSED SURFACE WATER RUN (DN100 AT MIN 1:100 uPVC U.N.O)
- PROPOSED COMBINED RUN (DN100 AT MIN 1:80 uPVC U.N.O)
- BUILDING CURTILAGE

DIAMETER — 100 DN - 1:57 VC — MATERIAL — MIN FALL / GRADIENT — PIPE NOTATION

SVP/SS — SVP / STACK / RWP (WITH RODDABLE ACCESS) — RWP

SD/TD — SLOT / THRESHOLD DRAIN (FLOW DIRECTION AS ARROW) — RE — RODDING EYE

FWMH # SWMH # CWMH # — TYPE 1/2 MANHOLE (FOUL / SURFACE / COMBINED)

FWIC # SWIC # CWIC # — TYPE 3 INSPECTION CHAMBER (FOUL / SURFACE / COMBINED)

FWAC # SWAC # CWAC # — TYPE 4 ACCESS CHAMBER (FOUL / SURFACE / COMBINED)

TYPE F INSPECTION CHAMBER (FOUL / SURFACE / COMBINED)

YG — YARD GULLEY / ROAD GULLEY (TRAPPED)

RG — SOAKAWAY / ATTENUATION

PERMEABLE PAVING

LANDSCAPING (PERMEABLE)

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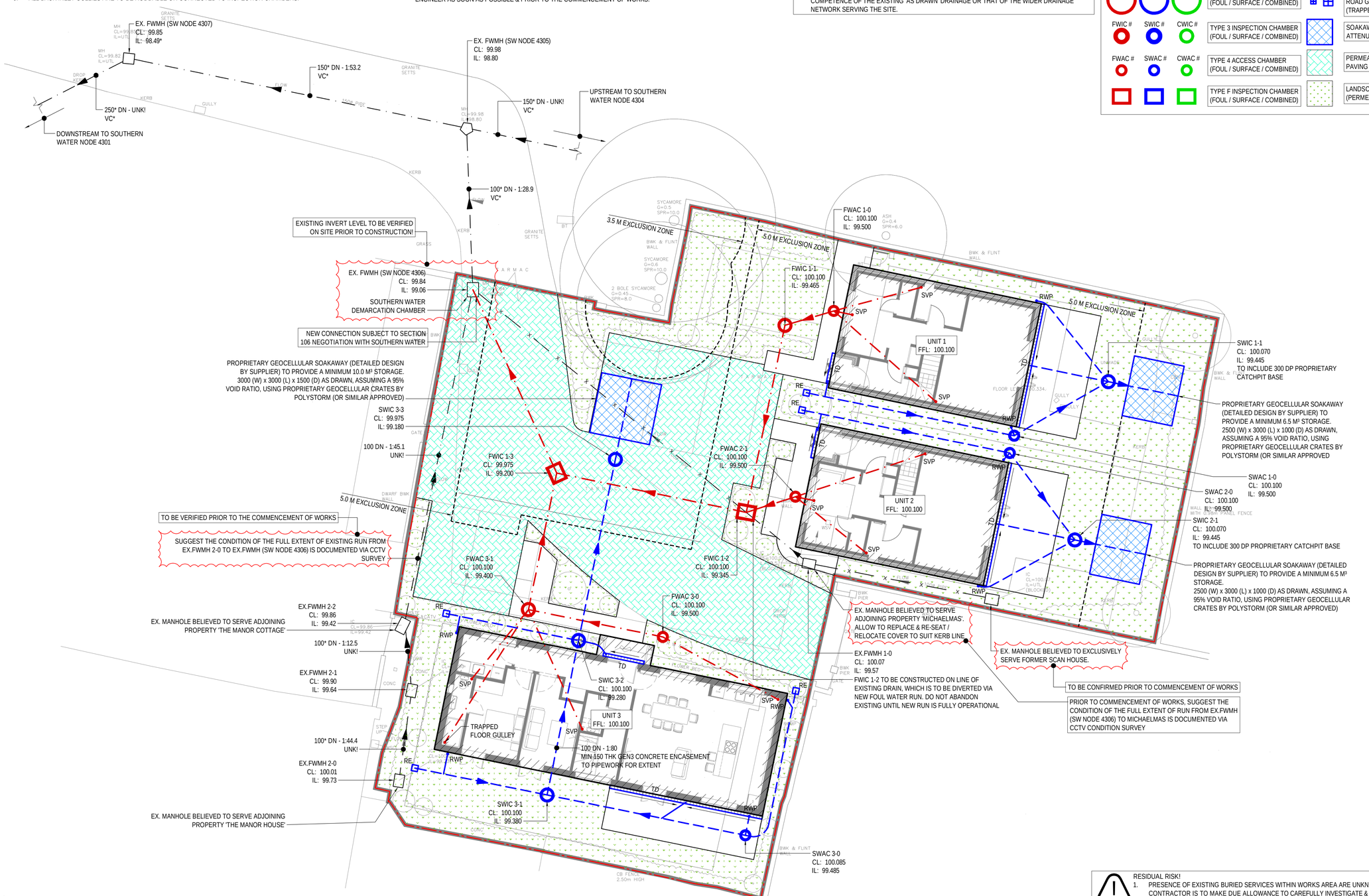
- IF IN DOUBT, ASK!

CDM 2015 / RESIDUAL H&S RISKS

SIGNIFICANT OR NON-OBVIOUS RISKS AND THOSE WHICH ARE DIFFICULT TO MANAGE ARE IDENTIFIED ON THIS DRAWING USING THE FOLLOWING SYMBOL WITH BRIEF ACCOMPANYING TEXT.

DRAWING NOTES

1. UNLESS OTHERWISE NOTED, ALL STATED MEASUREMENTS ARE IN MILLIMETERS (MM) & LEVELS IN METERS (M).
2. REFER TO DRAWING 23057-DT-C-0550 FOR DRAINAGE CONSTRUCTION DETAILS.



REV	DATE	DESCRIPTION	DRAWN	CHECKED
P01	25/09/2023	INITIAL ISSUE	MN	RB

EXTERNAL REFERENCES

1. K.E.S TOPOGRAPHICAL SURVEY "CH-001-240623", REVISION "0", "TOPOGRAPHICAL SURVEY", DATED 24/06/2023.
2. ARMO ARCHITECTURE DWG FILE "02324-ARM-ZZ-00-DR-A-0001", "SITE PLAN WIP TEMP", DATED 14/09/2023.

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PROJECT

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SOUTHWICK STREET
SOUTHWICK
BN42 4TE

DRAWING TITLE

BELOW GROUND DRAINAGE LAYOUT

PROJECT NO:	23057
DRAWN:	MN
CHECKED:	RB
SCALE:	1:100 (UNO)
FIRST ISSUE:	25/09/2023

A1 SHEET
SCALE CHECK (MM)
10 20 30 40 50

DRAWING STATUS

PRELIMINARY

DRAWING NO — REV

23057-PL-C-0500 P01

RESIDUAL RISK!
1. PRESENCE OF EXISTING BURIED SERVICES WITHIN WORKS AREA ARE UNKNOWN. THE CONTRACTOR IS TO MAKE DUE ALLOWANCE TO CAREFULLY INVESTIGATE & DISCONNECT / DIVERT SERVICES PRIOR TO THE COMMENCEMENT OF WORKS