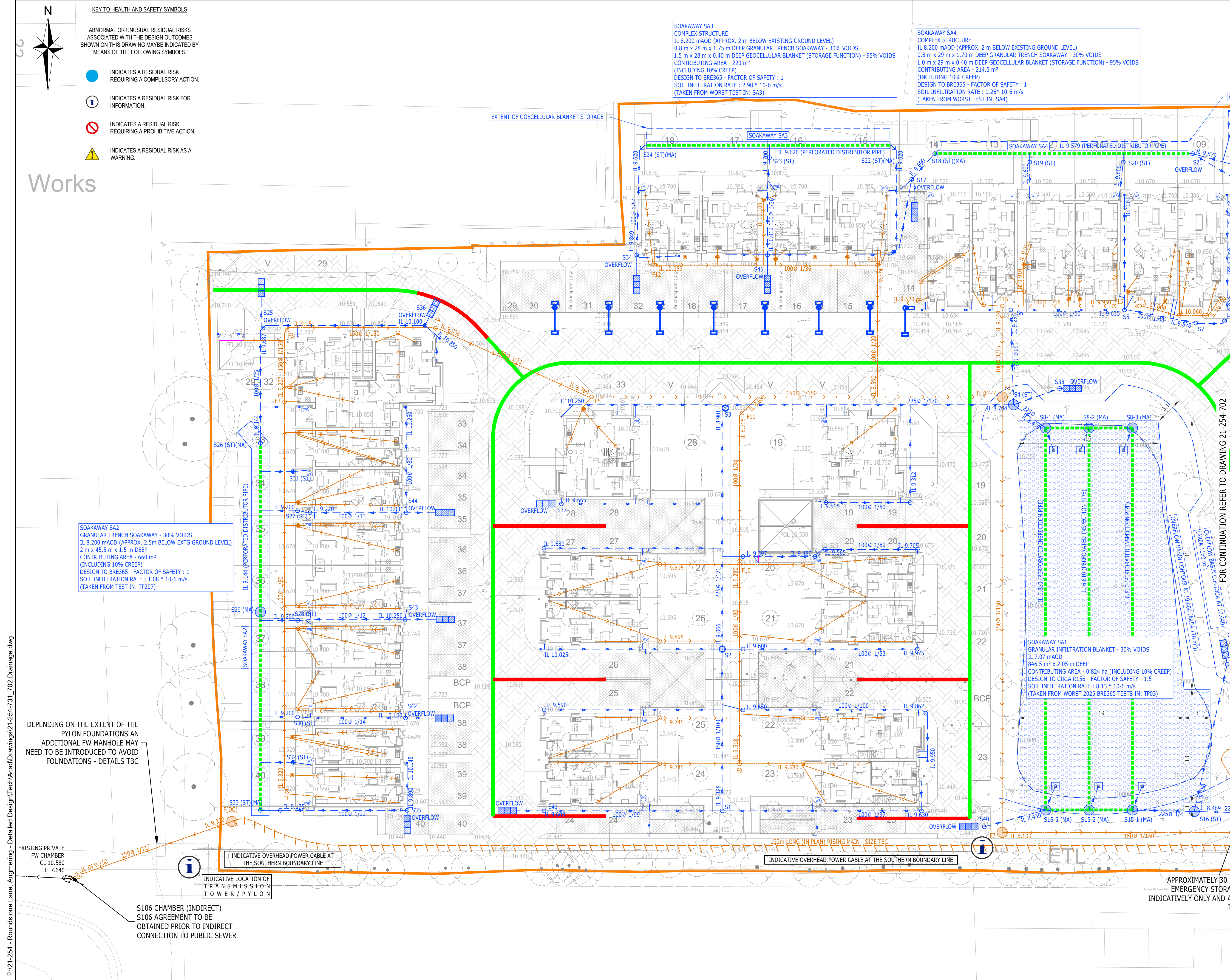




KEY TO HEALTH AND SAFETY SYMBOLS

ABNORMAL OR UNUSUAL RESIDUAL RISKS ASSOCIATED WITH THE DESIGN OUTCOMES SHOWN ON THIS DRAWING MAYBE INDICATED BY MEANS OF THE FOLLOWING SYMBOLS.

- INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION.
- INDICATES A RESIDUAL RISK FOR INFORMATION.
- INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION.
- INDICATES A RESIDUAL RISK AS A WARNING.

Works

SOAKAWAY SA2
GRANULAR TRENCH SOAKAWAY - 30% VOIDS
IL 8.200 mAO (APPROX. 2.5m BELOW EXTG GROUND LEVEL)
2 m x 45.5 m x 1.5 m DEEP
CONTRIBUTING AREA - 660 m²
(INCLUDING 10% CREEP)
DESIGN TO BRE365 - FACTOR OF SAFETY : 1
SOIL INFILTRATION RATE : 1.08 * 10-6 m/s
(TAKEN FROM TEST IN: TP207)

SOAKAWAY SA3
COMPLEX STRUCTURE
IL 8.200 mAO (APPROX. 2 m BELOW EXISTING GROUND LEVEL)
0.8 m x 28 m x 1.75 m DEEP GRANULAR TRENCH SOAKAWAY - 30% VOIDS
1.5 m x 28 m x 0.40 m DEEP GEOCELLULAR BLANKET (STORAGE FUNCTION) - 95% VOIDS
(INCLUDING 10% CREEP)
DESIGN TO BRE365 - FACTOR OF SAFETY : 1
SOIL INFILTRATION RATE : 2.98 * 10-6 m/s
(TAKEN FROM WORST TEST IN: SA3)

SOAKAWAY SA4
COMPLEX STRUCTURE
IL 8.200 mAO (APPROX. 2 m BELOW EXISTING GROUND LEVEL)
0.8 m x 29 m x 1.70 m DEEP GRANULAR TRENCH SOAKAWAY - 30% VOIDS
1.0 m x 29 m x 0.40 m DEEP GEOCELLULAR BLANKET (STORAGE FUNCTION) - 95% VOIDS
(INCLUDING 10% CREEP)
DESIGN TO BRE365 - FACTOR OF SAFETY : 1
SOIL INFILTRATION RATE : 1.26 * 10-6 m/s
(TAKEN FROM WORST TEST IN: SA4)

SOAKAWAY SA1
GRANULAR INFILTRATION BLANKET - 30% VOIDS
IL 7.07 mAO
846.5 m² x 2.05 m DEEP
CONTRIBUTING AREA - 0.824 ha (INCLUDING 10% CREEP)
DESIGN TO CIRIA R156 - FACTOR OF SAFETY : 1.5
SOIL INFILTRATION RATE : 8.13 * 10-6 m/s
(TAKEN FROM WORST 2025 BRE365 TESTS IN: TP03)

DEPENDENT ON THE EXTENT OF THE PYLON FOUNDATIONS AN ADDITIONAL FW MANHOLE MAY NEED TO BE INTRODUCED TO AVOID FOUNDATIONS - DETAILS TBC

INDICATIVE LOCATION OF TRANSMISSION TOWER / PYLON

S106 CHAMBER (INDIRECT)
S106 AGREEMENT TO BE OBTAINED PRIOR TO INDIRECT CONNECTION TO PUBLIC SEWER

NOTES

1. FOR DRAINAGE NOTES REFER TO DRAWING No.21-254-702

DRAINAGE KEY

- FWMH - EXISTING FOUL WATER MANHOLE
- FWMH - PRIVATE FOUL WATER MANHOLE (PCC RINGS) - MIN 1.2m DIA
- FW-IC3 - PRIVATE FOUL WATER INSPECTION CHAMBER - MIN 0.45m DIA
- FW-IC4 - PRIVATE FOUL WATER INSPECTION CHAMBER - MIN 0.25m DIA
- SWMH - PRIVATE SURFACE WATER MANHOLE (PCC RINGS)
- SW-IC3 - PRIVATE SURFACE WATER INSPECTION CHAMBER - MIN 0.6m DIA
- SW-IC3 - PRIVATE SURFACE WATER INSPECTION CHAMBER - MIN 0.75m x 0.60m
- SW-IC4 - PRIVATE SURFACE WATER INSPECTION CHAMBER - MIN 0.25m DIA
- SW-IC4 - PRIVATE SURFACE WATER INSPECTION CHAMBER - MIN 0.25m DIA
- PRIVATE FOUL WATER PUMP STATION - ALL DETAILS SUBJECT TO A SPECIALIST DESIGN
- RODDING EYE
- EXISTING PRIVATE FOUL WATER SEWER
- PRIVATE FW RISING MAIN
- PRIVATE FOUL WATER DRAINAGE
- PRIVATE SURFACE WATER DRAINAGE
- DRAINAGE CHANNEL (I.E. ACO M1000 0.0 OR SIMILAR APPROVED)
- PERFORATED DISTRIBUTOR PIPE (CONNECTION LINK)
- PERMEABLE PAVING INFILTRATION TRENCH
- PERMEABLE PAVING INFILTRATION TRENCH - GEOMEMBRANE WRAPPED
- PERMEABLE PAVING INTER-CONNECTION
- OVERFLOW ARRANGEMENT (GULLY)
- SW CHAMBER WITH MINIMUM 300mm DEEP SILT TRAP
- DEDICATED ACCESS FOR MAINTENANCE PURPOSES (I.E. CCTV, JETTING)
- INFILTRATION FEATURE
- PERMEABLE PAVING - REFER TO DRAWING 21-254-311, 312 FOR DETAILS
- F.F.L 7.250 PROPOSED FINISHED FLOOR LEVEL
- 10.682+ PROPOSED FINISHED SURFACE LEVEL
- PERMAVOID DIFFUSER UNIT (SPECIFIED BY THE MANUFACTURER)
- WATER BUTT - LOCATIONS POSITIONED ON PLAN ARE INDICATIVE AND ARE TO BE ADJUSTED ON SITE DURING INSTALL TO REFINE THE POSITION WHERE NEEDED

OVERFLOW ADDED AT S17, S25, S42, S43, S44, S45.	AK	BO	BAC	12.06.26
SA1 CONTRIBUTING AREA UPDATED	AK	BO	BAC	30.03.26
SA1 UPDATED FOLLOWING GROUNDWATER MONITORING	AK	BO	BAC	05.03.26
SA1 SHAPE UPDATED	AK	BO	BAC	03.11.25
SA1 HEIGHT AMENDED, S21 AND S34 CHAMBERS A UPDATED TO SERVE AS AN OVERFLOW POINT	AK	BO	BAC	09.10.25
Amendments	Drn	Chk	App	Date



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FORMER SHRUBLANDS NURSERY
ROUNDSTONE LANE, ANGMERING

DRAINAGE (SHEET 1)

Client	SIGMA HOMES		
Scale	1:200 @A1	Date	JUL 2025
Drawn	AK	Checked	BO
Job No	21-254	Drawing No	21-254-701
Rev	E	Designed	AK
		Approved	BAC