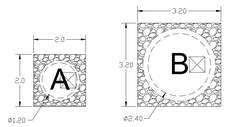
PLOT SOAKAWAYS

SOAKAWAYS ARE SIZED BASED ON AREA DRAINED AND A DEPTH OF 2.2m FROM COVER LEVEL TO INVERT LEVEL. PLEASE NOTE THAT THE CALCULATIONS USE A NOMINAL COVER LEVEL OF 10.00m AND INVERT OF 7.80m
SOAKAWAYS ARE DESIGNED TO CATER FOR 1 IN 100 YEAR + 30% CC.

CONTRACTOR / DEVELOPER TO ENSURE THAT SOAKAWAY CONSTRUCTION IS IN FREE DRAINING SAND MATERIAL WITH BASE OF SOAKAWAY A MINIMUM 1.0m ABOVE THE WATER TABLE LEVEL
IF IN DOUBT REVERT BACK TO CLIENT / REFA FOR FURTHER GUIDANCE
SOAKAWAYS TO BE SITED NO CLOSER THAN 5m AWAY FROM ANY EXISTING OR PROPOSED BUILDING FOUNDATION



DRAINING UP TO 110sq.m

SIDES OF SOAKAWAYS- 0.256m/HOUR
BASE OF SOAKAWAYS- 0.000m/HOUR.

DRAINING UP TO 300sq.m

SIDES OF SOAKAWAYS- 0.256m/HOUR
BASE OF SOAKAWAYS- 0.000m/HOUR.

SOAKAWAY SIZING BASED ON THE FOLLOWING INFILTRATION RATES DERIVED FROM 'BRE 365 SOAKAWAY ASSESSMENT REPORT SEPTEMBER 2023' BY E3P AS FOLLOWS :-

SIDES OF SOAKAWAYS - 0.256m/HOUR
BASE OF SOAKAWAYS - 0.000m/HOUR

FOUL WATER

EXISTING INVERT LEVEL BY INTERPOLATION = 74.479m (225mmø) TO BE CHECKED BY CONTRACTOR BEFORE ANY ON SITE SEWERS ARE LAID TO ENABLE DESIGN CHANGES TO BE MADE AS REQUIRED

PLEASE NOTE THAT THIS DRAWING IS ISSUED FOR INFORMATION/TENDER PURPOSES ONLY UNTIL TECHNICAL APPROVAL HAS BEEN GRANTED.
ANY WORK UNDERTAKEN PRIOR TO TECHNICAL APPROVAL BEING GRANTED IS AT THE CLIENTS RISK.

GENERAL

1. All adoptable sewers and associated works are to comply fully with "Sewers for Adoption" 7th Edition dated August 2012.
2. All highway works to be to adoptable standards and to to comply fully with the Local Authority specification.
3. All private drainage works are to comply fully with part H of the Building Regulations
4. All existing invert levels to be checked by the Contractor at the start of works and any discrepancies notified to REFA.
   All levels are based on topographical survey information provided by others.
5. All materials to bear the relevant B.S.Kitemark and comply fully with the specifications.
   All concrete & concrete products must use Sulphate resistant cement (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur)
6. All opening notices etc. as required under highways acts etc. are to be obtained prior to commencement of works.
   All works are to be inspected by L.A., NHBC or Relevant Water Authority as applicable.

C.D.M. REGULATIONS 2015

In line with the above regulations we are obliged to inform the Client of their responsibilities under section CDM 15/1, and residual risks that may be encountered in the construction of these works.
All design work has been carried out with Health and Safety aspects given full consideration.
Wherever possible risks have been eliminated from the design, however due to the very nature of this type of work it is not possible to remove all the risks from the design.
We would also respectfully remind the Client of his obligations to take all reasonable steps in ensuring that only competent Contractors who have a valid safety policy are employed.
They should also provide satisfactory responses at tender stage as to the manner in which they will deal with the elements of risk involved in this type of work and in particular those highlighted by REFA below:-

1. Support / treatment for ALL excavation work.
2. Guarding to edges of excavations to prevent people,materials and vehicles falling into excavation.
3. Guarding of excavations outside working hours to prevent unauthorised access.
4. Undermining to adjacent roads or structures.
5. Confined space operations.
6. Dealing with existing services.
7. Traffic management on existing highways.
8. Procedure to be followed in event of accident or emergency.
9. Method of working where contaminated ground is present on site.
10. Confirmation will be required that all operatives are adequately trained, copies of relevant training certificates to be supplied.

The above list is by no means exhaustive but it does highlight operations that present a risk to contractors and the general public.
For clarification on any item please contact REFA.

- DENOTES PROPOSED S38 HIGHWAY DRAINAGE SURFACE WATER SEWER
- DENOTES PROPOSED FOUL SEWER
- DENOTES EXISTING FWS
- DENOTES ADOPTABLE SURFACE WATER PLOT DRAINAGE
- DENOTES PRIVATE SURFACE WATER PLOT DRAINAGE
- DENOTES FOUL WATER PLOT DRAINAGE
- ACO ROAD DRAIN PD100F 20.1 — DENOTES PROPOSED ADOPTABLE ACO ROAD DRAIN TYPE PD100F 20.1
- DENOTES PROPOSED ACO UNIVERSAL ROAD GULLY

PLEASE NOTE ALL PROPOSED SW DRAINAGE IS SUBJECT TO APPROVAL OF WREXHAM CC / SAB APPROVAL BODY
PLEASE NOTE FW DRAINAGE PROPOSALS AND CONNECTIONS ARE SUBJECT TO CONFIRMATION & APPROVAL OF WELSH WATER

THIS DRAWING IS BASED ON PLANNING LAYOUT PROVIDED BY CLIENT
DRAWING NUMBER:-WDL-SAL-00-ZZ-DR-A-0610
REVISION:- P2
CLIENT TO ENSURE THE ABOVE LAYOUT IS CURRENT BEFORE USING THIS DRAWING FOR CONSTRUCTION PURPOSES

rev	Revision details	Rev'By	Date

smas worksafe designer www.smasltd.com — SSIP SAFETY SCHEMES IN PROCUREMENT

Drawing Stage		Drawing Status		
	Draft		Comments	Tender
●	Issued	●	Information	Construction
			Approval	As Built

Client
SG ESTATES LIMITED

Job title
WATTS DYKE RD LLAY PHASE 2

Drawing title
SAB AGREEMENT PLAN

REFA
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CONSULTING ENGINEERS
CIVIL • STRUCTURAL
GEOTECHNICAL • ENVIRONMENTAL

Date	Scale	Drawn
18.04.24	1/200	AS

DRAWING No 24053/104/1 — Rev

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A0 SHEET