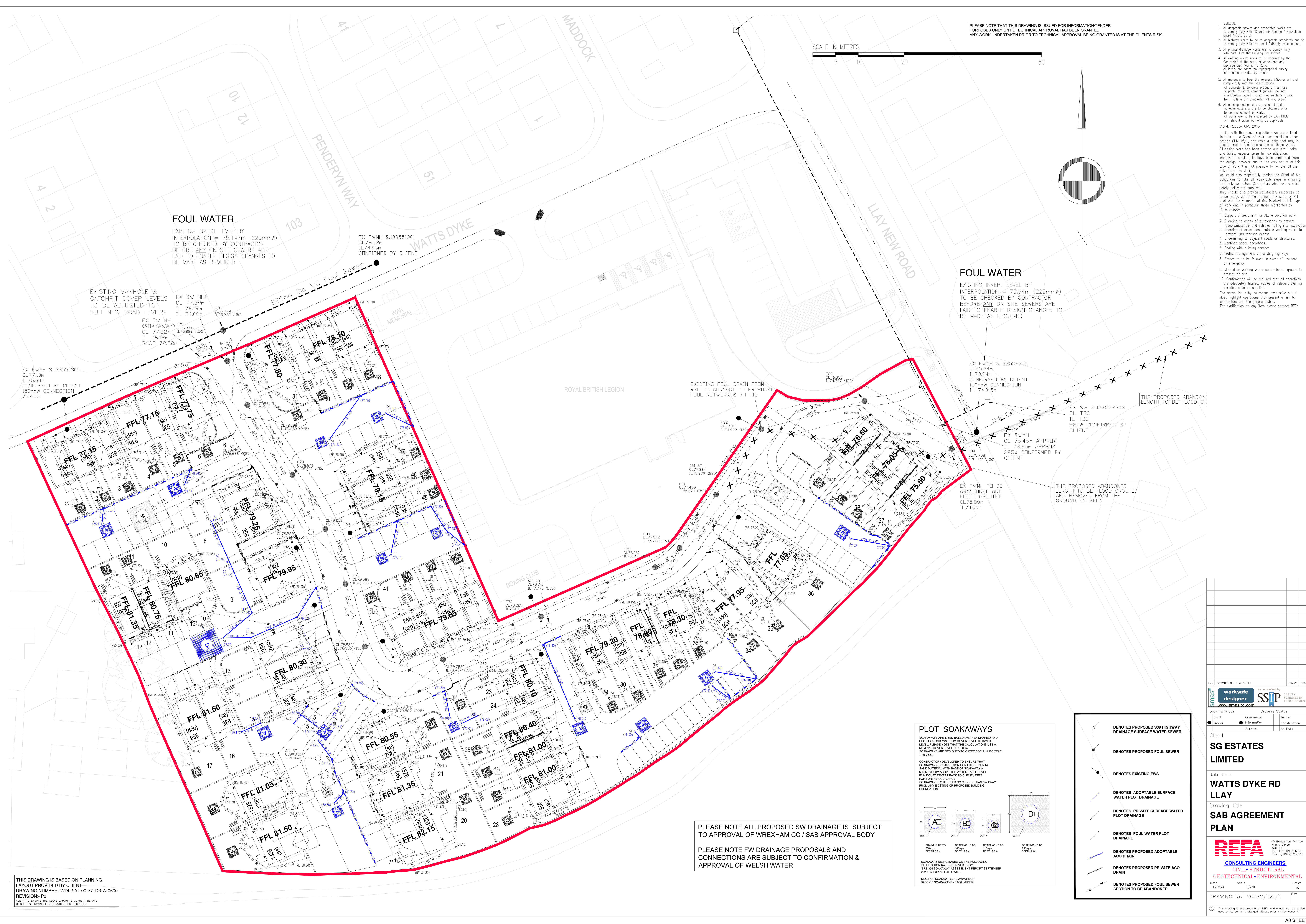
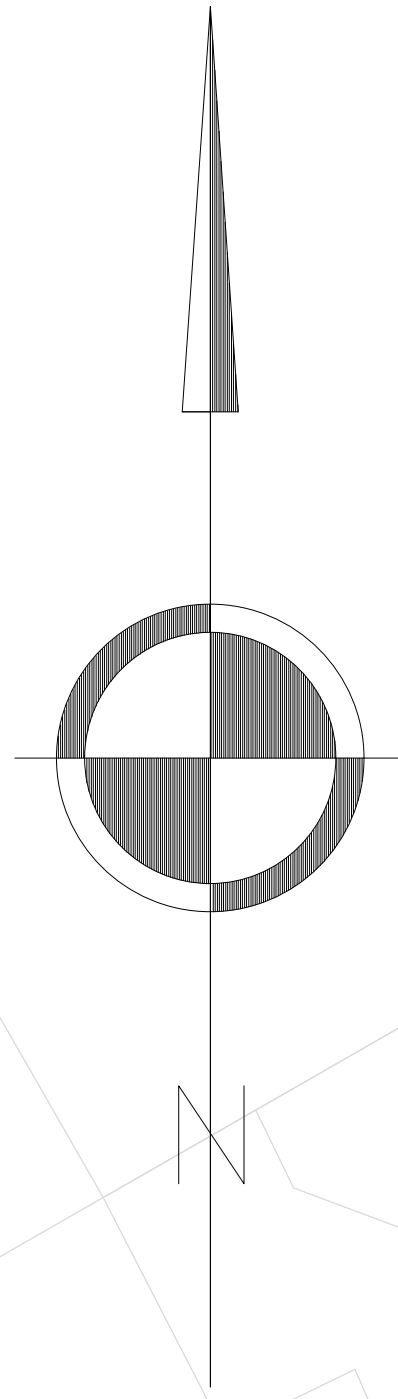




PLEASE NOTE THAT THIS DRAWING IS ISSUED FOR INFORMATION/TENDER PURPOSES ONLY UNTIL TECHNICAL APPROVAL HAS BEEN GRANTED ANY WORK UNDERTAKEN PRIOR TO TECHNICAL APPROVAL BEING GRANTED IS AT THE CLIENTS RISK.



FOUL WATER

EXISTING INVERT LEVEL BY INTERPOLATION = 75.147m (225mmø) TO BE CHECKED BY CONTRACTOR BEFORE ANY ON SITE SEWERS ARE LAID TO ENABLE DESIGN CHANGES TO BE MADE AS REQUIRED

EXISTING MANHOLE & CATCHPIT COVER LEVELS TO BE ADJUSTED TO SUIT NEW ROAD LEVELS

EX SW MH2 CL 77.39m IL 76.19m IL 76.09m EX SW MH1 (SDAKAWAY) CL 77.32m IL 76.12m BASE 72.58m

EX FWMH SJ33551301 CL78.52m IL74.96m CONFIRMED BY CLIENT

FOUL WATER

EXISTING INVERT LEVEL BY INTERPOLATION = 73.94m (225mmø) TO BE CHECKED BY CONTRACTOR BEFORE ANY ON SITE SEWERS ARE LAID TO ENABLE DESIGN CHANGES TO BE MADE AS REQUIRED

EX FWMH SJ33552305 CL75.24m IL73.94m IL74.015m CONFIRMED BY CLIENT 150mmø CONNECTION

EX SWH MH APPROX CL 75.45m APPROX 225ø CONFIRMED BY CLIENT

EX FWMH TO BE ABANDONED AND FLOOD GROUTED CL75.89m IL74.09m

THE PROPOSED ABANDONED LENGTH TO BE FLOOD GR

THE PROPOSED ABANDONED LENGTH TO BE FLOOD GROUTED AND REMOVED FROM THE GROUND ENTIRELY.

- 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 comply fully with the Local Authority specification.
 3. All private drainage works are to comply fully with part 4 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 invert levels are based on the 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 gassing notices etc. are 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

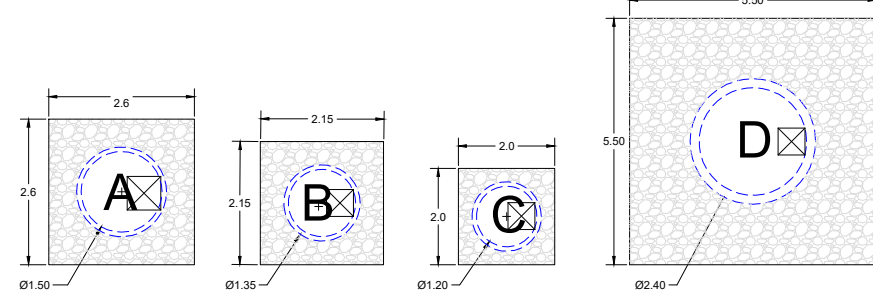
In line with the above regulations we are obliged to inform the Client of their responsibilities under section CDM 15(1), and residual risks that may be encountered in the construction of these works. All design work has been carried out with health and safety aspects given full consideration. Wherever 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.

PLOT SOAKAWAYS

SOAKAWAYS ARE SIZED BASED ON AREA DRAINED AND DEPTHS AS SHOWN FROM COVER LEVEL TO INVERT LEVEL. PLEASE NOTE THAT THE CALCULATIONS USE A NOMINAL COVER LEVEL OF 150mm. 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 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.



SOAKAWAY SIZING BASED ON THE FOLLOWING INFILTRATION RATES DERIVED FROM 1986 IBS SOAKAWAY ASSESSMENT REPORT SEPTEMBER 2022 BY EIP AS FOLLOWS:-

SIZES OF SOAKAWAYS:- 0.25m² HOUR BASE OF SOAKAWAYS:- 0.05m² HOUR

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: WOL-SAL-00-ZZ-DR-A-0600 REVISION: P3 CLIENT TO INSURE THE ABOVE LAYOUT IS CURRENT BEFORE USING THIS DRAWING FOR CONSTRUCTION PURPOSES.

rev	Revision details	rev'd by	Date

Drawn	Checked	Reviewed	Approved	Drawn	Checked	Reviewed	Approved

Client
SG ESTATES LIMITED

Job title
WATTS DYKE RD LLAY

Drawing title
SAB AGREEMENT PLAN

REFA
CONSULTING ENGINEERS

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Scale
1/250

DRAWING No 20072/121/1

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