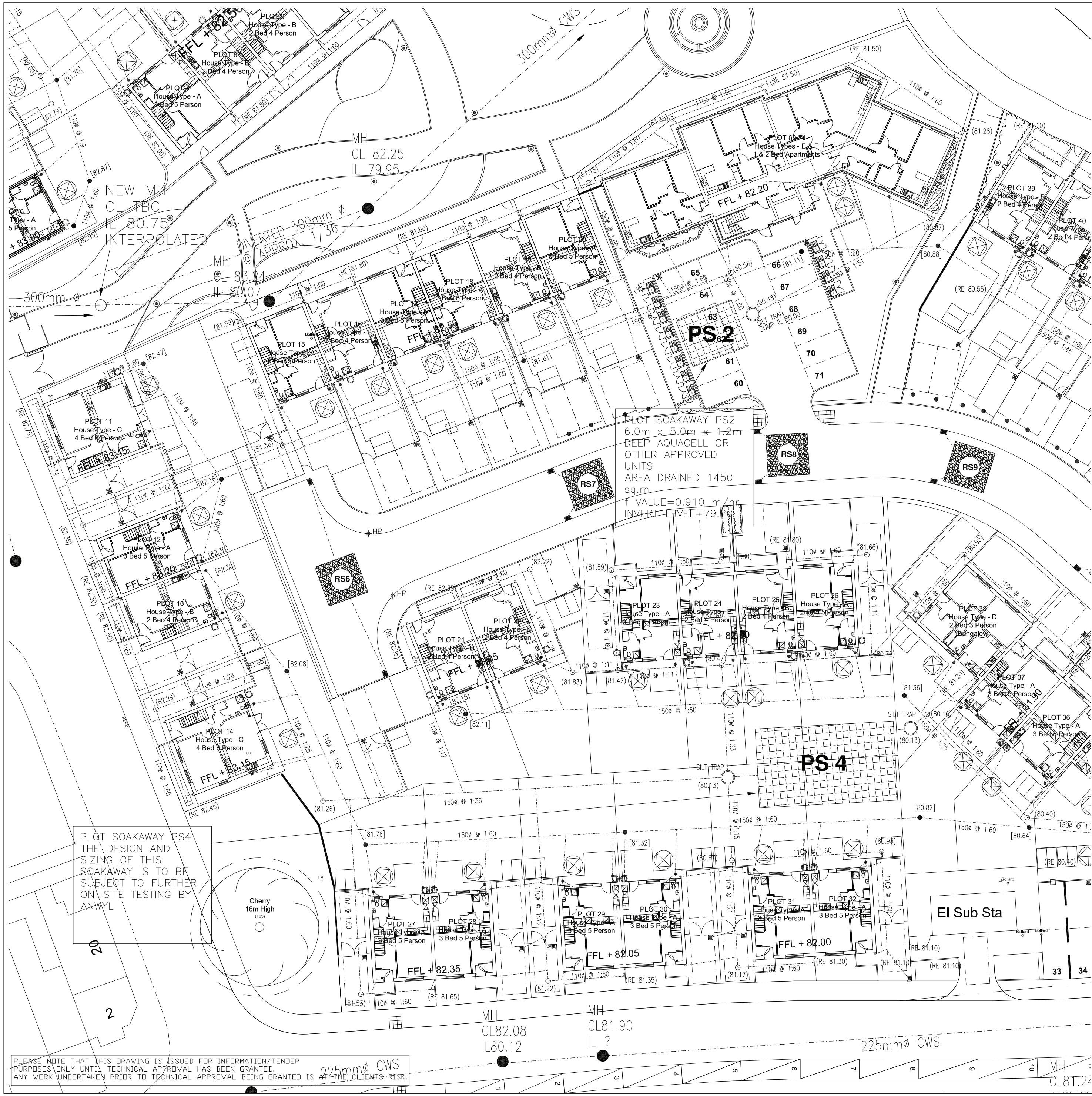


DO NOT SCALE from this drawing
All dimensions must be varified on the site before setting out : commencing work, with any discrepancies reported to REFA

PRIVATE DRAINAGE

All private drainage is to comply with Part H of the Building Regulations
All private drainage to be 110mm ø unless indicated otherwise
Dragout manhole sizes to be in accordance with table 9 in the above document

Gradients
110mm. diam. :- 1 in 80 minimum (min. of 1 W.C. connected)
150mm. diam. :- 1 in 150 minimum (min. of 5 W.C.'s connected)

Levels
[10.00] denotes a foul water invert level.
(10.00) denotes a surface water invert level.

UG437 / UG537 — Shallow Inspection Chamber (max.600mm.deep) (Polypipe 320mm dia type UG437 or UG537 or similar approved)

UG440 / UG670 — Universal Inspection Chamber (max.1200mm.deep) (Polypipe 460mm dia type UG440 or UG670 or similar approved)

UG490 — Rectangular Inspection Chamber Base 610mm x 460mm type UG490 Maximum depth n.e. 1200mm with type UG491 risers. If used in conjunction with PCC rings maximum depth to be as table 9 in Building regs.

ICDB2 or ICDB3 — Non man entry deep inspection chamber Type ICDB2 or ICDB3 or other approved DEPTH RANGE >1200mm but n.e. 4000mm

Foul Water / Combined Water Drain (private)
Surface Water Drain (private)
Rodding Point
[r.e.10.00]
RWP — Rain Water Pipe
Sealed Roddable Gully (Foul water)
DD — Direct to Drain Connection
SVP — Soil and Vent Pipe / Rest Bend

PLEASE REFER TO LATEST REVISION OF HOUSE TYPE WORKING DRAWINGS FOR EXACT LOCATIONS OF DRAINAGE PICK UP POINTS PLEASE REPORT ANY DISCREPANCY TO REFA BEFORE COMMENCING CONSTRUCTION

GENERAL
1. All adoptable sewers and associated works are to comply fully with "Sewers for Adoption" 6th.Edition dated March 2006, and Welsh Water Addendum
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 2007
In line with the above regulations we are obliged to inform the Client of the 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.

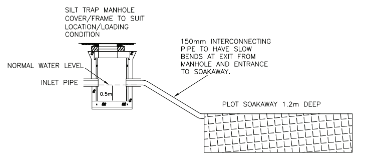
The above list is by no means exhaustive but it does highlight operations that present a risk to contractors and the general public.
For clarification on any item please contact REFA.

PLOT SOAKAWAYS

NO	FINISHED GROUND LEVEL	IL. OF BASE	INCOMING IL.
PS1	81.60	78.80	79.85
PS2	82.20	79.20	80.25
PS3	81.30	77.90	79.00
PS4	SEE NOTE ON MAIN DRAWING		
PS5	84.40	81.70	82.75

ROAD SOAKAWAYS

NO	DIA	COVER LEVEL	INVERT LEVEL
RS1	1.50m	84.13	81.70
RS2	1.50m	83.81	81.40
RS3	1.50m	82.92	80.80
RS4	1.50m	82.44	80.40
RS5	1.50m	82.06	80.10
RS6	1.50m	82.99	80.00
RS7	1.50m	82.62	80.20
RS8	1.50m	82.33	80.20
RS9	1.50m	82.08	78.98
RS10	1.50m	81.82	78.90
RS11	1.50m	81.61	79.50
RS13	1.50m	81.41	79.40
RS14	1.50m	81.27	79.20



TYPICAL SILT TRAP MANHOLE/PLOT SOAKAWAY DETAIL N.T.S.

rev	Revision details	Date
B	TO REVISED LAYOUT [EJS]	25.7.12
A	TO REVISED LAYOUT REC 10.7.12 EJS	12.7.12

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

Client
ANWYL CONSTRUCTION LIMITED

Job title
KINGSMILL ROAD WREXHAM

Drawing title
PRIVATE DRAINAGE DETAILS SHEET 1

REFA
CONSULTING ENGINEERS
CIVIL• STRUCTURAL
GEOTECHNICAL• ENVIRONMENTAL
45 Bridgeman Terrace
Wigan, Lancs
WN1 1TT
Tel:-(01942) 826020
Fax:-(01942) 230816

Date	Scale	Drawn
30.5.12	1/200	EJS

DRAWING No 12002/08/01 Rev B

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