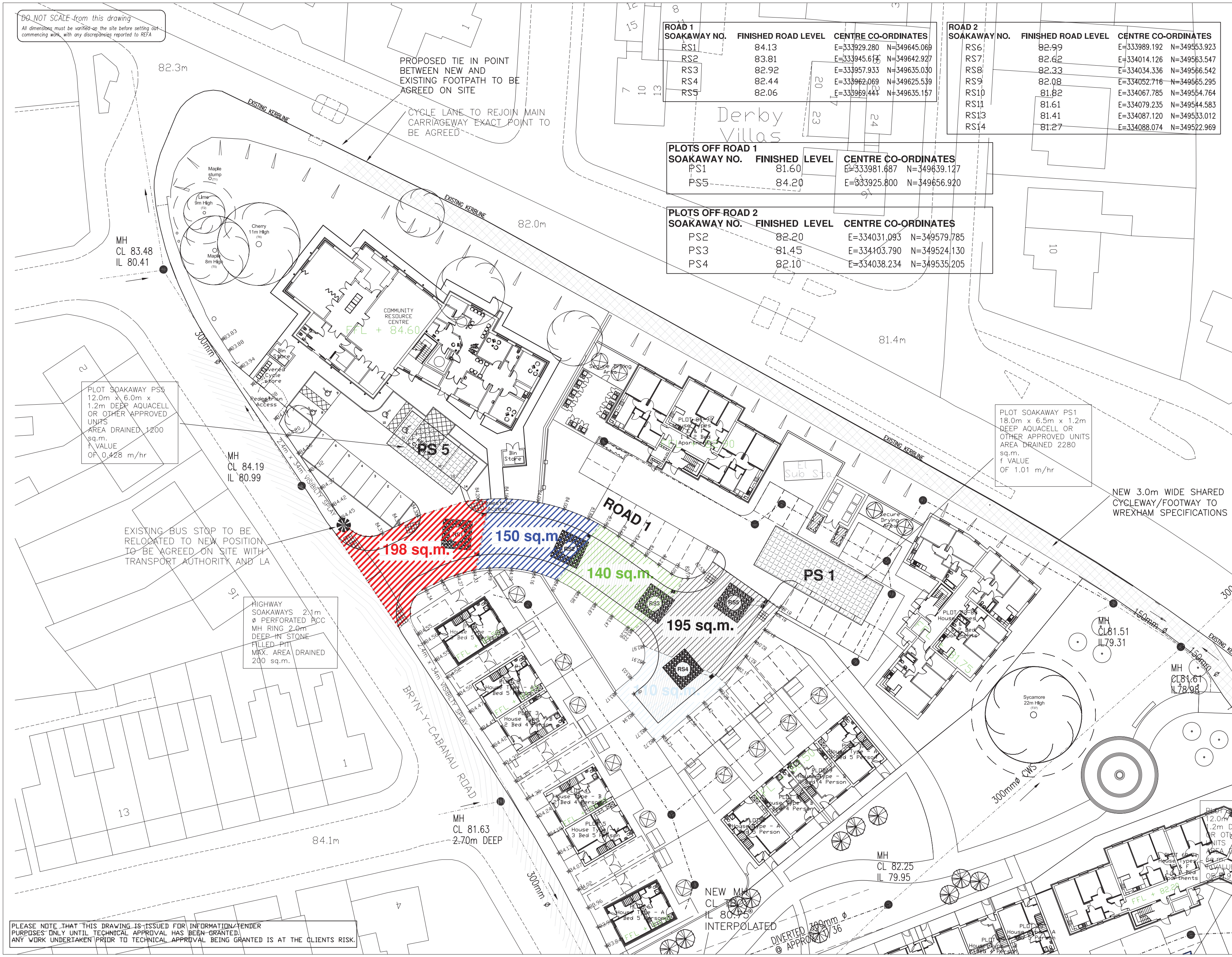

ROAD 1

SOAKAWAY NO.	FINISHED ROAD LEVEL	CENTRE CO-ORDINATES	
RS1	84.13	E=333929.280	N=349645.069
RS2	83.81	E=333945.615	N=349642.927
RS3	82.92	E=333957.933	N=349635.030
RS4	82.44	E=333962.069	N=349625.539
RS5	82.06	E=333969.441	N=349635.157

ROAD 2

SOAKAWAY NO.	FINISHED ROAD LEVEL	CENTRE CO-ORDINATES	
RS6	82.99	E=333989.192	N=349553.923
RS7	82.62	E=334014.126	N=349563.547
RS8	82.33	E=334034.336	N=349566.542
RS9	82.08	E=334052.716	N=349565.295
RS10	81.82	E=334067.785	N=349554.764
RS11	81.61	E=334079.235	N=349544.583
RS13	81.41	E=334087.120	N=349533.012
RS14	81.27	E=334088.074	N=349522.969

PLOTS OFF ROAD 1

SOAKAWAY NO.	FINISHED LEVEL	CENTRE CO-ORDINATES	
PS1	81.60	E=333981.687	N=349639.127
PS5	84.20	E=333925.800	N=349656.920

PLOTS OFF ROAD 2

SOAKAWAY NO.	FINISHED LEVEL	CENTRE CO-ORDINATES	
PS2	82.20	E=334031.093	N=349579.785
PS3	81.45	E=334103.790	N=349524.130
PS4	82.10	E=334038.234	N=349535.205

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.

rev	Revision details	Date
D	PERC TEST VALUES ADDED [GWH]	21.5.12
C	TO PLANNING 6846L(9)01 rev A [GWH]	27.4.12
B	AS CLIENT EMAIL 2/4/12 [GWH]	18.4.12
A	ROAD SOAKAWAYS REVISED TO DRAIN 200 SQ.M. MAX. [GWH]	3.4.12

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

Client
ANWYL CONSTRUCTION LIMITED

Job title
KINGSMILL ROAD WREXHAM

Drawing title
CIVILS STRATEGY PLAN 3

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

Date	Scale	Drawn
22/3/12	1/250	GWH

DRAWING No 12002/05/04 Rev D

© This drawing is the property of REFA and should not be copied, used or its contents divulged without prior written consent.