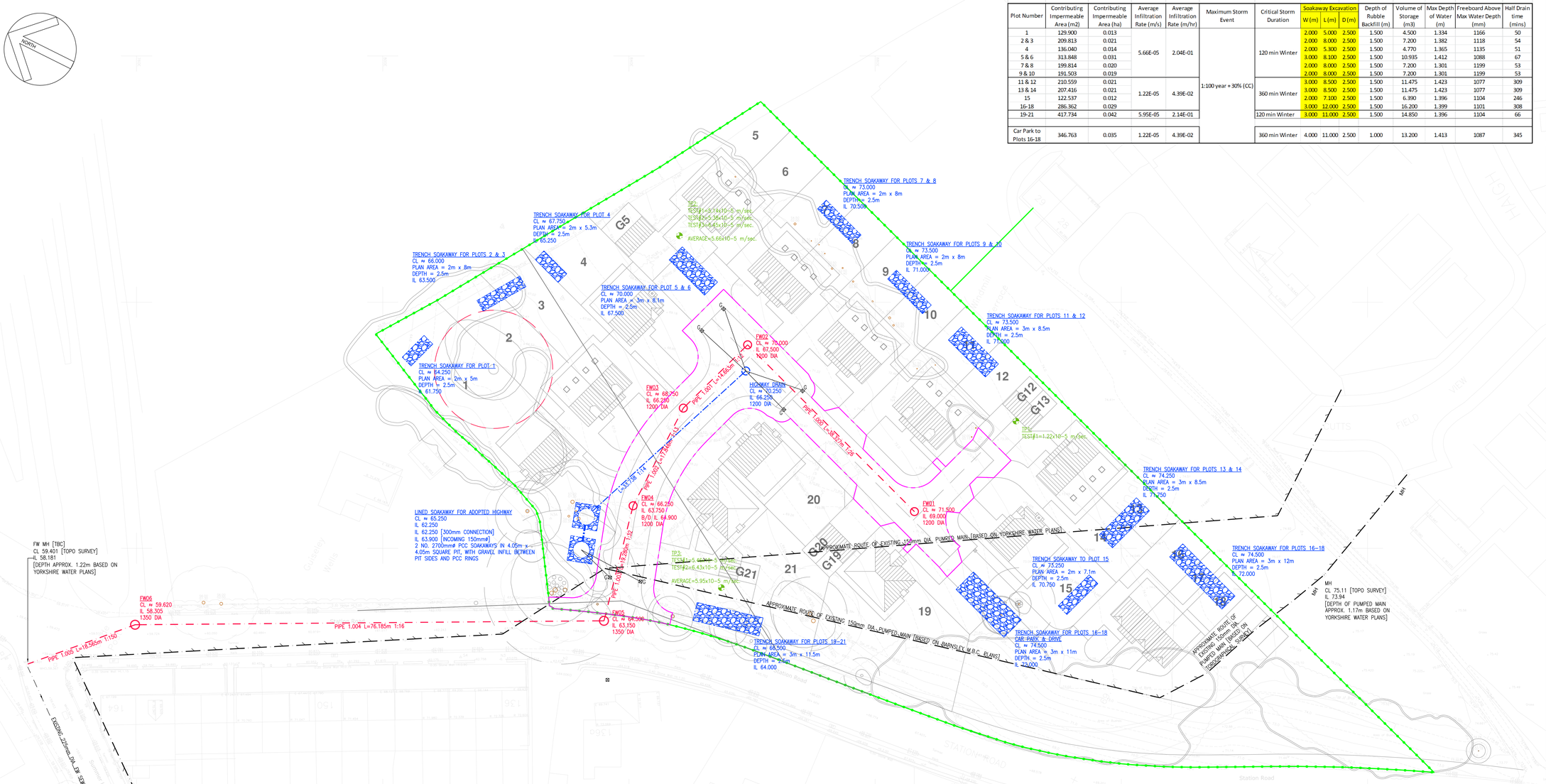
11557: Station Road, Barnsley - House/Trench Soakaway Schedule

Plot Number	Contributing Impermeable Area (m2)	Contributing Impermeable Area (ha)	Average Infiltration Rate (m/s)	Average Infiltration Rate (m/hr)	Maximum Storm Event	Critical Storm Duration	Soakaway Excavation W (m)	Soakaway Excavation L (m)	Soakaway Excavation D (m)	Depth of Rubble Backfill (m)	Volume of Storage (m3)	Max Depth of Water (m)	Freeboard Above Max Water Depth (mm)	Half Drain time (mins)
1	129.900	0.013				120 min Winter	2.000	5.000	2.500	1.500	4.500	1.334	1166	50
2 & 3	209.813	0.021					2.000	8.000	2.500	1.500	7.200	1.382	1118	54
4	136.040	0.014	5.66E-05	2.04E-01			2.000	5.300	2.500	1.500	4.770	1.365	1135	51
5 & 6	313.848	0.031					3.000	8.100	2.500	1.500	10.935	1.412	1088	67
7 & 8	199.814	0.020					2.000	8.000	2.500	1.500	7.200	1.301	1199	53
9 & 10	191.503	0.019					2.000	8.000	2.500	1.500	7.200	1.301	1199	53
11 & 12	210.559	0.021			1:100 year + 30% (CC)	360 min Winter	3.000	8.500	2.500	1.500	11.475	1.423	1077	309
13 & 14	207.416	0.021	1.22E-05	4.39E-02			3.000	8.500	2.500	1.500	11.475	1.423	1077	309
15	122.537	0.012					2.000	7.100	2.500	1.500	6.390	1.396	1104	246
16-18	286.362	0.029					3.000	12.000	2.500	1.500	16.200	1.399	1101	308
19-21	417.734	0.042	5.95E-05	2.14E-01		120 min Winter	3.000	11.000	2.500	1.500	14.850	1.396	1104	66
Car Park to Plots 16-18	346.763	0.035	1.22E-05	4.39E-02		360 min Winter	4.000	11.000	2.500	1.000	13.200	1.413	1087	345



notes

1. DO NOT SCALE THIS DRAWING ON PRINT OR ELECTRONICALLY. WORK FROM FIGURED DIMENSIONS ONLY
2. No deviation from the details shown on this drawing is allowed without Campbell Reith Hill's prior permission in writing.
3. Read this drawing with all Architects, Service Engineers and Campbell Reith Hill's relevant details and drawings.
4. All work is to be in accordance with the relevant specifications issued by Campbell Reith Hill, British Standard Codes of Practice, Statutory requirements and the Contract Documents.
5. DRAWING STATUS
   - S :– SCHEME — Outline/Scheme drawings for proposals, budgets etc.
   - D :– DESIGN DEVELOPMENT — Evolving final design drawings for approvals, tenders, billing etc.
   - C :– CONSTRUCTION — Fully developed drawings issued under instruction for construction.

   ONLY STATUS C DRAWINGS TO BE USED FOR CONSTRUCTION.
6. All existing survey information shown or referred to is based upon topographical survey prepared by Haycock & Todd, dated November 2013 and as supplied to CampbellReith on 13 January 2014 – no warranty as to the accuracy of the information is given or implied.
7. Infiltration test locations and results based on information provided by, and testing undertaken by, ARP Associates. Results provided to CampbellReith on 19 December 2013. CampbellReith provides no warranty as to the accuracy of this information.
8. All control stations and dimensions shall be checked and verified prior to commencement of works and any other discrepancies shall be reported to the engineer.
9. Masterplan shown is based on PICEA Design Sketch Layout dwg. no. 597–SKL–02, AutoCAD filename "597–SKL–02.dwg", received by CampbellReith on 27 March 2014. This Masterplan has been included for information only and no liability is given or implied by CampbellReith for any inaccuracies in the Masterplan.
10. Utilities:
    The positions of Statutory Undertakers mains & services shown on this drawing have been based on information extracted from records obtained from various Utilities Companies. These must regarded as approximate only. The accuracy or completeness of the information or the location of such apparatus as shown on this drawing is not guaranteed and no warranty is given or implied regarding the position, depth, size, gradient thereof. The Contractor must make their own enquires of the Utilities Companies and Public Authorities and satisfy themselves as to the exact position of services and depth, sizes, gradient thereof. In the interests of safety, the approximate position of underground cables should be obtained by use of electronic cable locators and this position confirmed by careful trial–haling using hand–dug methods.
11. All designs shown on this drawing are preliminary and are intended as a GUIDE ONLY – they should not be relied upon as being an accurate representation of the final scheme. Final specifications are subject to Masterplan and detailed design at the appropriate stage. Existing details shown on this drawing must be confirmed on Site by the contractor for their accuracy. If any discrepancies occur, the engineer must be informed.
12. The proposed building outlines shown on this drawing are indicative only. Refer to architects' layouts for exact external outline of proposed buildings.

KEY

- Tree Root Protection Area (RPA)
- Assumed extent of impermeable Adopted Highway (to be drained to linked soakaways)
- Site Boundary

Status/Rev	Description	Date	By
S2	PRELIM PRIVATE SOAKAWAYS ADDED	12.06.14	TF
S1	ISSUED FOR INFORMATION	15.05.14	TF

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Job Title: STATION ROAD, BARNSLEY

Client: AIRES TRADING (UK) LTD.

PRELIMINARY FW & SW DRAINAGE STRATEGY

drawn	date	scale	CT checked	CAD filename
TF	15/05/14	1:250@A0		SK001

Job No.	Drg No.	Status/Revision
11557	SK001	S2

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