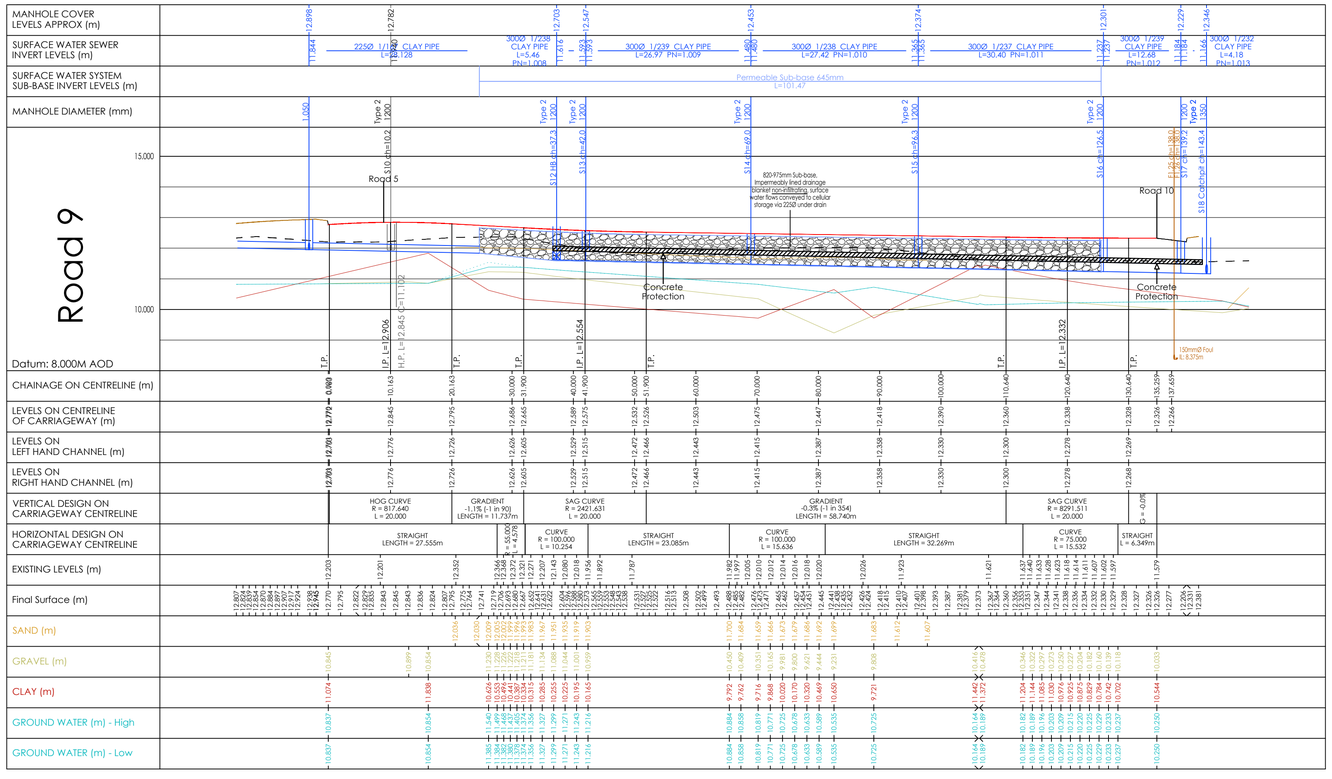
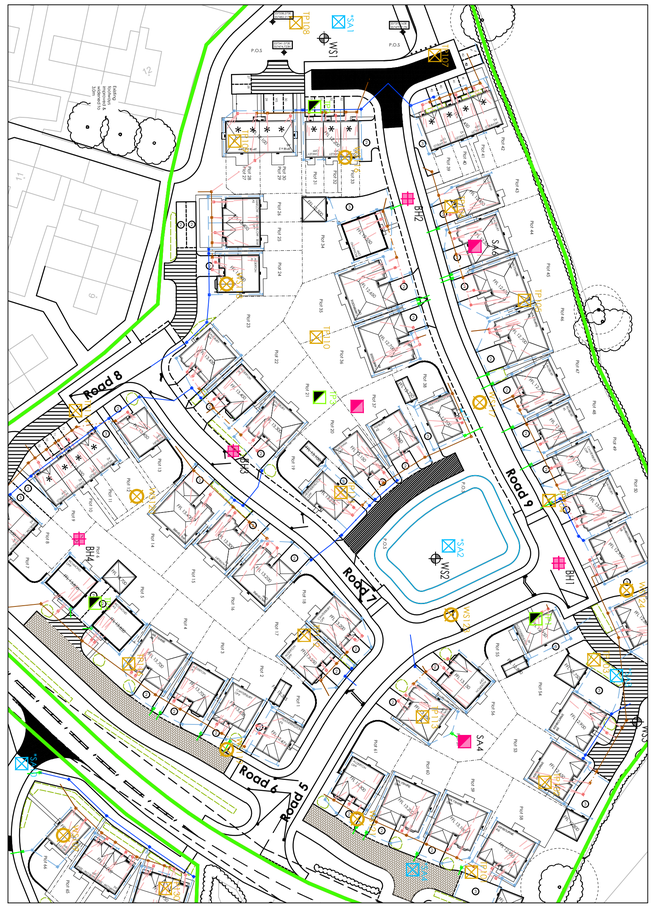




e3p Boreholes - *06/05/2020*

Ref.	Ground Water mbgl
WS101	2.5
WS102	N/A
WS103	2.0
WS104	N/A
WS105	2.5
WS106	N/A
WS107	N/A
WS108	2.0
WS109	1.1
WS110	N/A
WS111	N/A
WS112	1.0
WS113	1.5
WS114	N/A
WS115	2.5
WS116	1.0
WS117	1.1
WS118	N/A
WS119	1.0
WS120	1.0
WS121	1.8
WS122	N/A
WS123	1.1
WS124	1.1

Waterco SA Test Results - *Oct 2015*

Ref.	Infiltration Result
TP1	$1.28x10^{-4}$
TP2	$7.71x10^{-5}$
TP3	**$4.67x10^{-5}$**
TP4	$1.26x10^{-4}$
TP5	N/A
TP6	N/A
TP7	$7.83x10^{-5}$
TP8	$6.33x10^{-4}$
TP9	$1.42x10^{-5}$
TP10	$1.69x10^{-5}$
TP11	$4.66x10^{-5}$
TP12	$8.01x10^{-5}$

e3p Trail Pits - *06/05/2020*

Ref.	Ground Water mbgl
TP101	1.4
TP102	0.8
TP103	0.6
TP104	0.8
TP105	0.8
TP106	0.5
TP107	1.4
TP108	0.6
TP109	0.8
TP110	0.8
TP111	1.0
TP112	1.0
TP113	1.1
TP114	1.5
TP115	N/A
TP116	N/A
TP117	1.9
TP118	N/A
TP119	1.2
TP120	1.5
TP121	N/A
TP122	1.3
TP123	1.3
TP124	1.4
TP125	N/A
TP126	N/A
TP127	1.3
TP128	1.1
TP129	1.6
TP130	1.6
TP131	1.0
TP132	N/A
TP133	1.0
TP134	N/A
TP135	N/A
TP136	N/A

Betts Geo Boreholes - *28/09/2021*

Ref.	Ground Water mbgl
WS1	Non Recorded
WS2	Non Recorded
WS3	Non Recorded
WS4	Non Recorded
WS5	Non Recorded
WS6	Non Recorded
BH01	1.5
BH02	1.5
BH03	1.6
BH04	2.8
BH05	2.3
BH06	2.0

Betts Geo SA Test Results - *26/10/2020*

Ref.	Infiltration Result	Ground Water mbgl
SA1	$7.3x10^{-5}$	1.6
SA2	$3.4x10^{-5}$	1.8
SA3	N/A	No Ingress of water
SA4	$1.2x10^{-4}$	1.7
SA5	$4.6x10^{-5}$	1.5
SA6	$6.6x10^{-5}$	1.2

Ground Water Monitoring - Dec 2021 to Dec 2022

	Date Well Monitored							
Ref.	20/12/2021	06/01/2022	23/02/2022	14/04/2022	23/05/2022	18/07/2022	23/09/2022	15/12/2022
WS1	0.500	0.45	0.7	0.75	0.92	1.2 *(dry)*	1.25 *(dry)*	-
WS2	0.600	0.85	1.0	1.05	1.2	1.6 *(dry)*	1.6 *(dry)*	1.0
WS3	0.700	0.700	0.850	0.950	1.050	-	-	-
WS4	*(dry)*	1.600	1.200	1.200	*(dry)*	-	-	1.2 *(dry)*
WS5	1	1.25	1.45	1.2	-	-	1.2	1.9
WS6	1.900	1.1	1.25	1.4	1.6	2.1	1.9	1.9

Betts Associates SA Test Results (28-29.01.2021)

Ref.	Infiltration Result 1	Infiltration Result 2	Infiltration Result 3	Ground Water mbgl
*SA1	$5.0x10^{-5}$	$4.8x10^{-5}$	**$4.1x10^{-5}$**	1.2
*SA2	$1.0x10^{-5}$	No Result	$1.3x10^{-5}$	1.5
*SA3	$9.6x10^{-5}$	$1.1x10^{-4}$	$8.3x10^{-5}$	1.5
*SA4	$1.0x10^{-4}$	$1.1x10^{-4}$	$6.1x10^{-5}$	1.6
*SA5	$1.8x10^{-5}$			1.6
*SA6	$1.7x10^{-4}$	$1.4x10^{-4}$	$7.9x10^{-5}$	2.0
*SA7	$1.2x10^{-4}$	$6.5x10^{-5}$	$5.2x10^{-5}$	See Results
*SA8	$8.0x10^{-5}$	$5.4x10^{-5}$	$5.6x10^{-5}$	1.6
*SA10	$8.4x10^{-5}$	$2.8x10^{-5}$	$4.0x10^{-5}$	Non Recorded

Mark	Date	Details	By
G	09.10.23	Updated to reflect comments from SAB@Wrexham. CP	
F	25.07.23	Design reviewed following comments from SAB @ Wrexham.	CP
E	12.06.23	Sub-Strata & Ground Water levels reviewed	CP
D	15.02.23	Updated for SAB Issue	CP
C	11.08.22	Road 10 Impermeable (standard) construction	CP
B	20.08.21	Longsections updated	GW
A	03.08.21	First issue for S104 review and comment	CP

Revision history

Drawing originator:

BETTS HYDRO CONSULTING ENGINEERS
BETTS ASSOCIATES CONSULTING ENGINEERS
BETTS GEO CONSULTING ENGINEERS

Client:

Castle Green

Project title:

Rossett Road,
Rossett

Drawing title:

Northern Land Parcel
Road & SuD'S Longsections
Sheet 2 of 2

Scale: 1:500H1:50V for the original size of A1

Drawn by: CP | Checked by: RA | Passed by: RA | Date: July 2021

Drawing status:

Preliminary

Job No:	Drawing No: Project	Origin.	Volume	Level	Type	Discip.	Number	Revision:
CAS02		BET				C	112	G

Do not scale this drawing

6 -7 Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire, CH5 2LY
enquiries@betts-associates.co.uk
Chester 01244 288178 | Altrincham 0161 613531