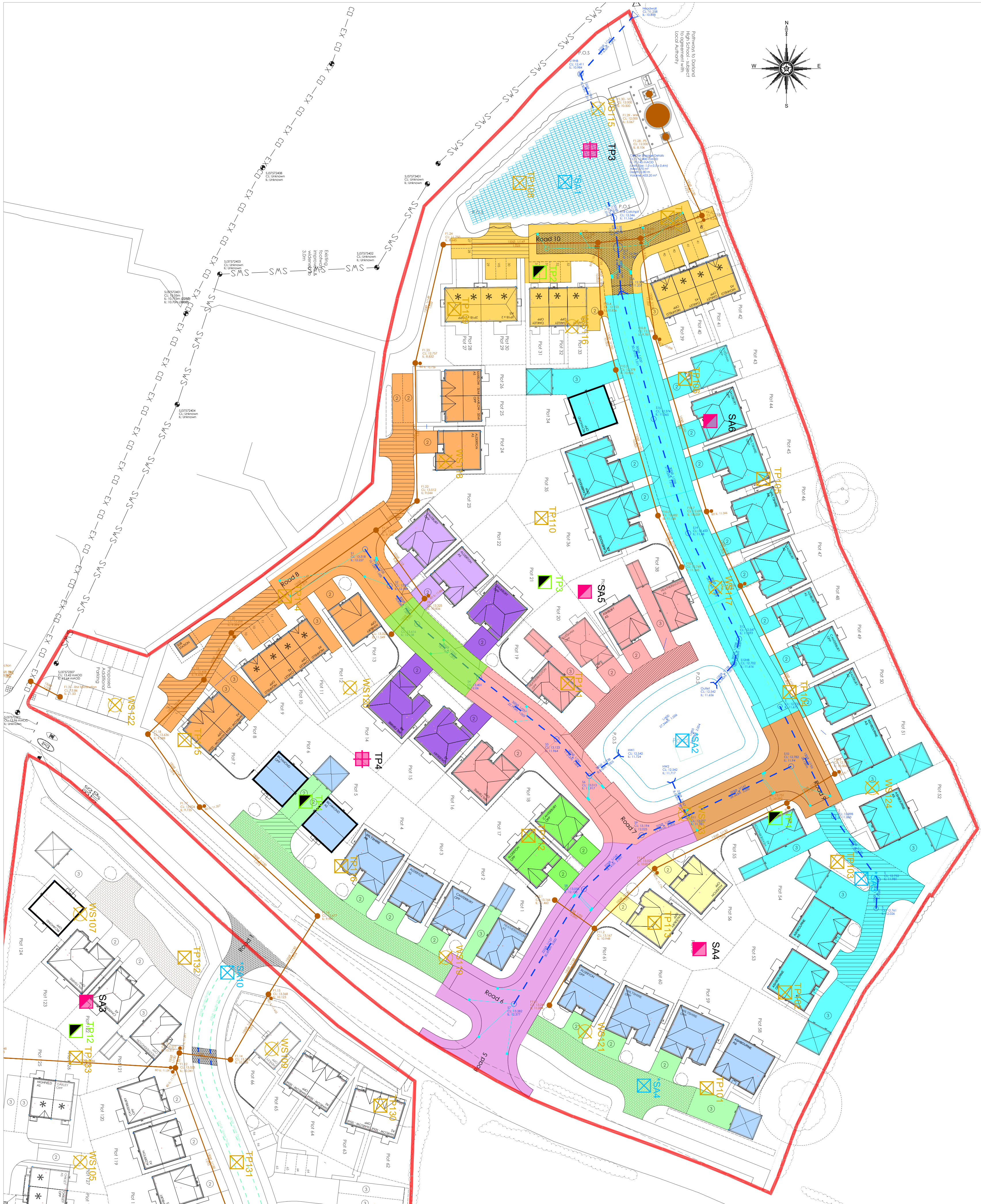




Northern Impermeable Areas						
		Urban Creep		10		
Pipe Code		Plots & Private Drives	Shared Drives	Roads	Area (m²)	Area (ha)
Network 1						
Road 7	1.000	632.356 m²	564.713 m²	378.577 m²	1638.882 m²	0.164 ha
Road 7	1.001	245.240 m²	0.000 m²	0.000 m²	269.764 m²	0.027 ha
Road 7	1.002	0.000 m²	0.000 m²	210.822 m²	210.822 m²	0.021 ha
Road 7	1.003	397.550 m²	0.000 m²	0.000 m²	437.305 m²	0.044 ha
Road 7	1.004	488.646 m²	323.862 m²	497.577 m²	1358.950 m²	0.136 ha
Inlet	1.005					
Pond	1.006					
Road 5	2.000	0.000 m²	0.000 m²	879.105 m²	879.105 m²	0.088 ha
Road 5	2.001	228.615 m²	0.000 m²	0.000 m²	251.477 m²	0.025 ha
Road 5	2.002	188.439 m²	61.532 m²	0.000 m²	268.815 m²	0.027 ha
Road 5	3.000	0.000 m²	0.000 m²	458.531 m²	458.531 m²	0.046 ha
Inlet	2.003					
Outlet	1.007					
Road 9	1.008					
Road 9	1.009					
Road 9	1.010					
Road 9	1.011					
Road 9	1.012	2814.476 m²	0.000 m²	903.348 m²	3999.272 m²	0.400 ha
Road 10	1.013	497.879 m²	261.046 m²	409.093 m²	1217.806 m²	0.122 ha
Cells	1.014					
P.O.S	1.015					
				Total: 10990.728 m² 1.099 ha		

*Road 9 Sub-Base Structure (Drainage Blanket)

Belts Associates SA Test Results (28-29.01.2021)			
Ref.	m	Infiltration Result 2	Infiltration Result 3
*SA1	5.0x10 ⁻⁵	4.8x10 ⁻⁵	4.1x10 ⁻⁵
*SA2	1.0x10 ⁻⁵	No Result	1.3x10 ⁻⁵
*SA3	9.6x10 ⁻⁵	1.1x10 ⁻⁴	8.3x10 ⁻⁵
*SA4	1.0x10 ⁻⁴	1.1x10 ⁻⁴	6.1x10 ⁻⁵
*SA5	1.8x10 ⁻⁵		
*SA6	1.7x10 ⁻⁴	1.4x10 ⁻⁴	7.9x10 ⁻⁵
*SA7	1.2x10 ⁻⁴	6.5x10 ⁻⁵	5.2x10 ⁻⁵
*SA8	8.0x10 ⁻⁵	5.4x10 ⁻⁵	5.6x10 ⁻⁵
*SA10	8.4x10 ⁻⁵	2.8x10 ⁻⁵	4.0x10 ⁻⁵

Waterco SA Test Results	
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

Betts Geo SA Test Results	
Ref.	Infiltration Result
SA1	7.3x10 ⁻⁵
SA2	3.4x10 ⁻⁵
SA3	N/A
SA4	1.2x10 ⁻⁴
SA5	4.6x10 ⁻⁵
SA6	6.6x10 ⁻⁵

C	09.10.23	Updated to reflect comments from SAB @	CP
B	24.07.23	Wrexham, SAB drainage design amended	CP
A	15.02.23	To support SAB submission	CP
Mark	Date	Details	By

Drawing originator:	
BETTS HYDRO CONSULTING ENGINEERS	BETTS ASSOCIATES CONSULTING ENGINEERS
Client:	
Project title:	

Rossett Road,
Rossett

Drawing title:
Northern Land Parcel
Surface Water SUDS Features
Drainage Areas

Scale: 1:500 for the original size of A1
Drawn by: CP Checked by: RA Passed by: RA Date: Jan 2023

For Information							
Job No:	Drawing No:	Project	Origin	Volume	Level	Type	Discip.
CAS02	xx	BET	xx	xx	xx	C	04
Revision:							
C							

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 413531 |