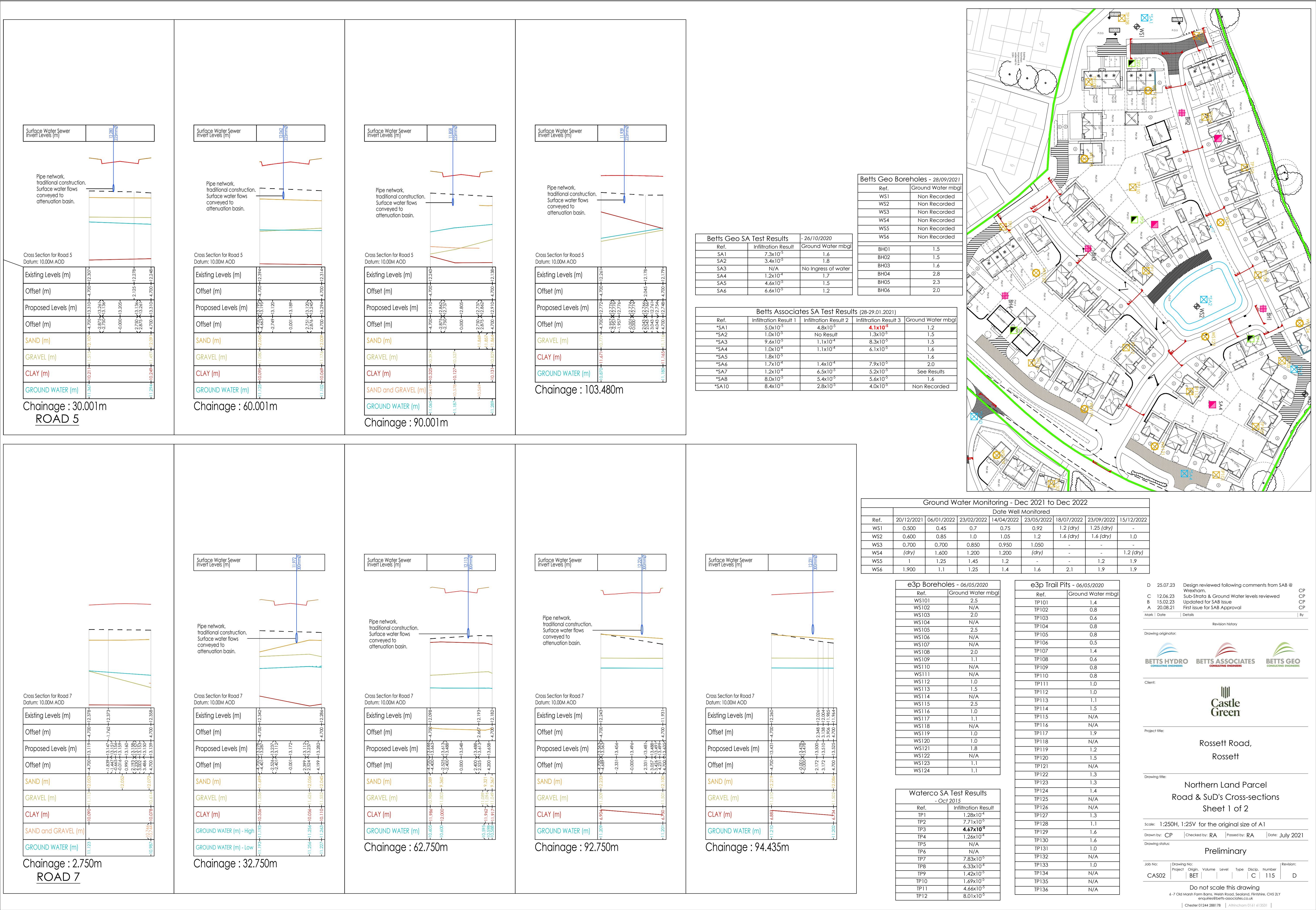




Surface Water Sewer Invert Levels (m)	12.29 22.07m
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Pipe network,
traditional construction.
Surface water flows
conveyed to
attenuation basin.

Cross Section for Road 5
Datum: 10.00M AOD

Existing Levels (m)	
Offset (m)	
Proposed Levels (m)	
Offset (m)	
SAND (m)	
GRAVEL (m)	
CLAY (m)	
GROUND WATER (m)	

Chainage : 30.001m
ROAD 5

Surface Water Sewer Invert Levels (m)	12.62 22.07m
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Pipe network,
traditional construction.
Surface water flows
conveyed to
attenuation basin.

Cross Section for Road 5
Datum: 10.00M AOD

Existing Levels (m)	
Offset (m)	
Proposed Levels (m)	
Offset (m)	
SAND (m)	
GRAVEL (m)	
CLAY (m)	
GROUND WATER (m)	

Chainage : 60.001m

Surface Water Sewer Invert Levels (m)	11.89 22.07m
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Pipe network,
traditional construction.
Surface water flows
conveyed to
attenuation basin.

Cross Section for Road 5
Datum: 10.00M AOD

Existing Levels (m)	
Offset (m)	
Proposed Levels (m)	
Offset (m)	
SAND (m)	
GRAVEL (m)	
CLAY (m)	
SAND and GRAVEL (m)	
GROUND WATER (m)	

Chainage : 90.001m

Surface Water Sewer Invert Levels (m)	11.89 22.07m
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Pipe network,
traditional construction.
Surface water flows
conveyed to
attenuation basin.

Cross Section for Road 5
Datum: 10.00M AOD

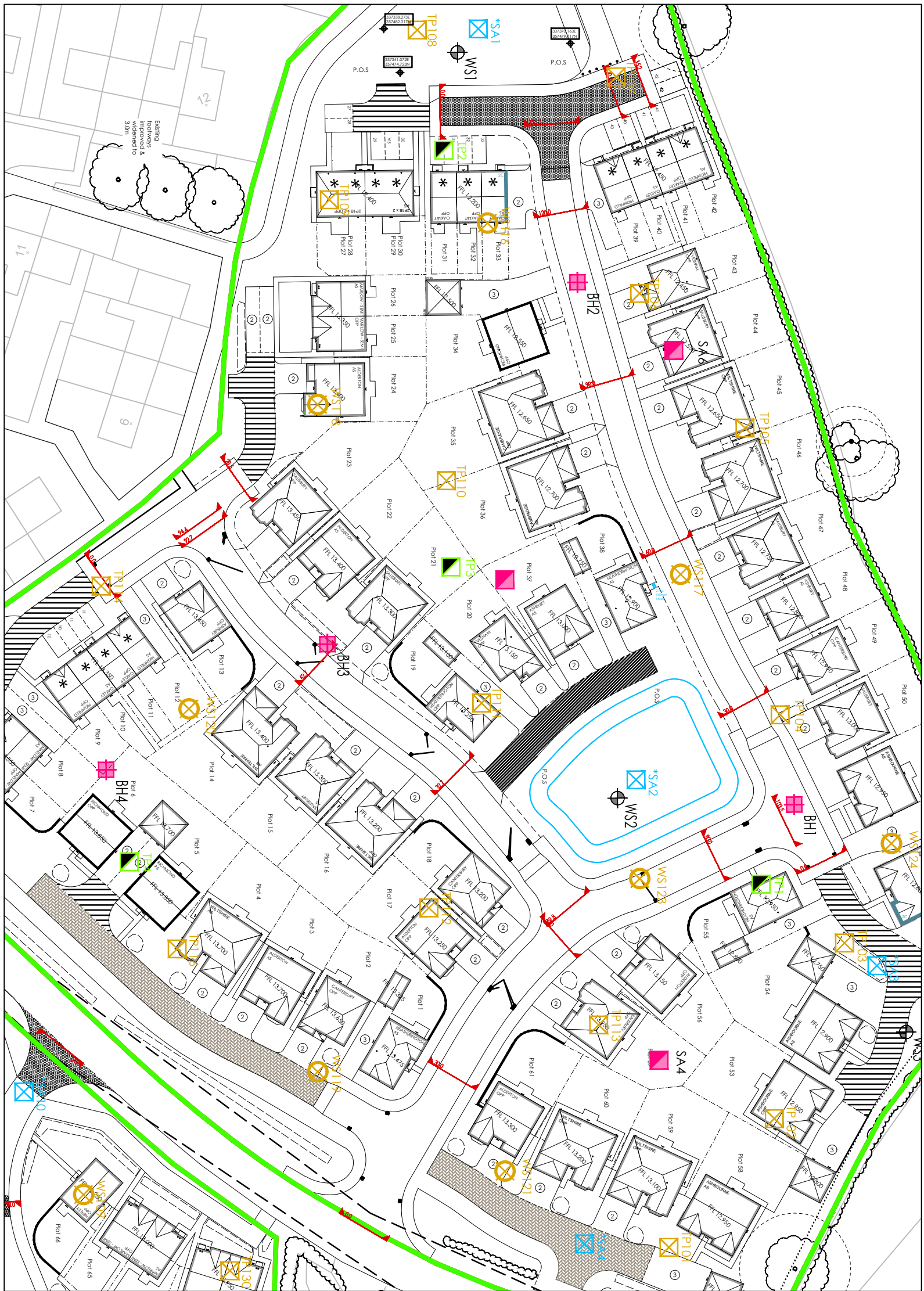
Existing Levels (m)	
Offset (m)	
Proposed Levels (m)	
Offset (m)	
GRAVEL (m)	
CLAY (m)	
GROUND WATER (m)	

Chainage : 103.480m

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

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

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



Cross Section for Road 7
Datum: 10.00M AOD

Existing Levels (m)	
Offset (m)	
Proposed Levels (m)	
Offset (m)	
SAND (m)	
GRAVEL (m)	
CLAY (m)	
SAND and GRAVEL (m)	
GROUND WATER (m)	

Chainage : 2.750m
ROAD 7

Surface Water Sewer Invert Levels (m)	11.97 30.07m
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Pipe network,
traditional construction.
Surface water flows
conveyed to
attenuation basin.

Cross Section for Road 7
Datum: 10.00M AOD

Existing Levels (m)	
Offset (m)	
Proposed Levels (m)	
Offset (m)	
SAND (m)	
GRAVEL (m)	
CLAY (m)	
GROUND WATER (m) - High	
GROUND WATER (m) - Low	

Chainage : 32.750m

Surface Water Sewer Invert Levels (m)	11.13 30.07m
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Pipe network,
traditional construction.
Surface water flows
conveyed to
attenuation basin.

Cross Section for Road 7
Datum: 10.00M AOD

Existing Levels (m)	
Offset (m)	
Proposed Levels (m)	
Offset (m)	
SAND (m)	
GRAVEL (m)	
CLAY (m)	
GROUND WATER (m)	

Chainage : 62.750m

Surface Water Sewer Invert Levels (m)	12.24 30.07m
--	-----------------

Pipe network,
traditional construction.
Surface water flows
conveyed to
attenuation basin.

Cross Section for Road 7
Datum: 10.00M AOD

Existing Levels (m)	
Offset (m)	
Proposed Levels (m)	
Offset (m)	
SAND (m)	
GRAVEL (m)	
CLAY (m)	
GROUND WATER (m)	

Chainage : 92.750m

Surface Water Sewer Invert Levels (m)	12.23 30.07m
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Cross Section for Road 7
Datum: 10.00M AOD

Existing Levels (m)	
Offset (m)	
Proposed Levels (m)	
Offset (m)	
SAND (m)	
GRAVEL (m)	
CLAY (m)	
GROUND WATER (m)	

Chainage : 94.435m

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

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

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

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

D	25.07.23	Design reviewed following comments from SAB @ Wrexham.	CP
C	12.04.23	Sub-Strata & Ground Water levels reviewed	CP
B	15.02.23	Updated for SAB issue	CP
A	20.08.21	First issue for SAB Approval	CP

Mark	Date	Details	By
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Revision history

Drawing originator:



Client:



Project title:

Rossett Road,
Rossett

Drawing title:

Northern Land Parcel
Road & SuD's Cross-sections
Sheet 1 of 2

Scale: 1:250H, 1:25V for the original size of A1

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

Drawing status:

Preliminary

Job No: CAS02 | Drawing No: | Project: | Origin: | Volume: | Level: | Type: | Disc: | Number: | Revision: |

Do not scale this drawing
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