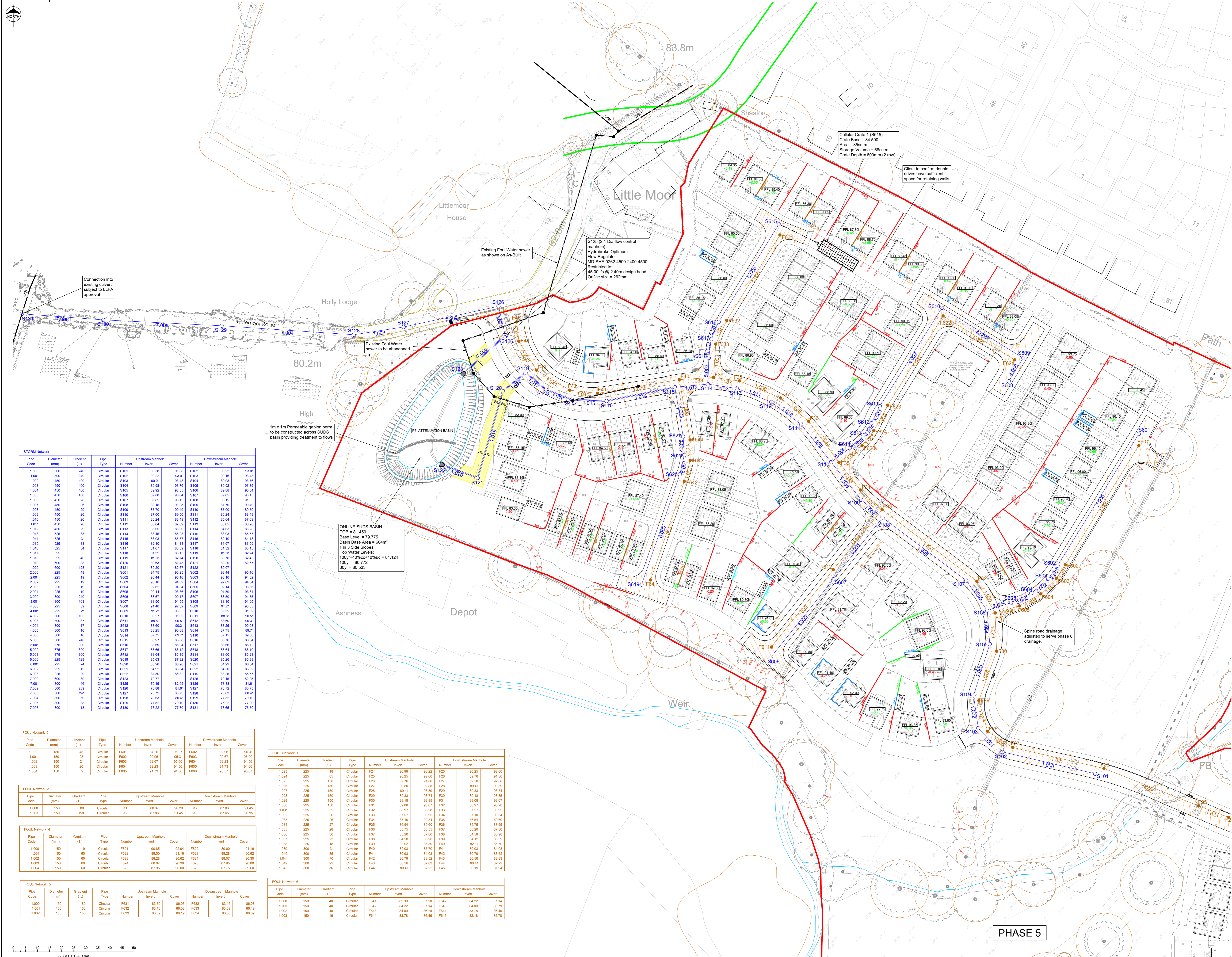
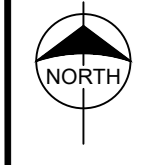


DO NOT SCALE



- Notes**
- Setting out shall be undertaken using only the information given. Distances should not be scaled from this drawing.
 - All sewers shall be constructed in accordance with Design and Construction Guidance (DCG) Standards and United Utilities Details & Guidelines.
 - The minimum gravity pipe diameter under adoptable highways shall be 150mm.
 - It is the responsibility of the Contractor to verify all information given with regards to existing services and drainage connections etc. prior to commencing the works. The rates shall include for hand dig around services where necessary. The Contractor shall adhere to the CDM Regulations at all times.
 - All materials to bear the relevant B.S. Kitemark and comply fully with the specifications. All concrete & concrete products must use Sulphate resistant cement to withstand Class 3 condition (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur).
 - 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 the Network Operator as applicable.
 - Where structured wall UPVC pipes (or similar approved) are used in adoptable drainage they shall be handled and laid in accordance with the manufacturers instructions and will be subject to post installation deformation testing prior to adoption. A Class 5 Bed and Surround must be used for structured wall pipes.
 - Trench backfill in highways to within 1m of highway shall, as directed by the Highway Authority be a suitable granular material in accordance with Design and Construction Guidance (DCG) Standards.
 - Slab levels shall not be varied without reference to the Engineer for guidance.
 - Pipes have not been designed to accommodate construction traffic loading. The contractor is responsible for providing adequate protection to the pipes during construction.

STORM Network 1

Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover
1.001	300	240	Circular	S101	90.38	91.88	S102	90.22	93.01
1.001	300	240	Circular	S102	90.22	93.01	S103	90.16	93.48
1.002	450	400	Circular	S103	90.01	93.48	S104	89.98	93.76
1.003	450	400	Circular	S104	89.98	93.76	S105	89.92	93.85
1.004	450	400	Circular	S105	89.92	93.85	S106	89.88	93.84
1.005	450	400	Circular	S106	89.88	93.84	S107	89.85	93.15
1.006	450	26	Circular	S107	89.85	93.15	S108	88.15	91.05
1.007	450	26	Circular	S108	88.15	91.05	S109	87.70	90.49
1.008	450	26	Circular	S109	87.70	90.49	S110	87.00	89.50
1.009	450	26	Circular	S110	87.00	89.50	S111	86.24	88.49
1.010	450	26	Circular	S111	86.24	88.49	S112	85.84	87.69
1.011	450	26	Circular	S112	85.84	87.69	S113	85.05	86.90
1.012	450	26	Circular	S113	85.05	86.90	S114	84.83	86.28
1.013	450	26	Circular	S114	84.83	86.28	S115	84.28	85.75
1.014	450	26	Circular	S115	84.28	85.75	S116	82.10	84.18
1.015	450	26	Circular	S116	82.10	84.18	S117	81.87	83.59
1.016	450	26	Circular	S117	81.87	83.59	S118	81.32	83.15
1.017	450	26	Circular	S118	81.32	83.15	S119	81.01	82.74
1.018	450	26	Circular	S119	81.01	82.74	S120	80.70	82.43
1.019	450	26	Circular	S120	80.70	82.43	S121	80.00	81.00
1.020	600	128	Circular	S121	80.20	82.67	S122	80.07	81.16
2.000	225	48	Circular	S601	94.75	96.25	S602	93.44	95.16
2.001	225	19	Circular	S602	93.44	95.16	S603	93.10	94.82
2.002	225	19	Circular	S603	93.10	94.82	S604	92.82	94.34
2.003	225	19	Circular	S604	92.82	94.34	S605	92.14	93.86
2.004	225	19	Circular	S605	92.14	93.86	S606	91.59	93.64
3.000	300	240	Circular	S606	88.87	91.17	S607	88.50	91.55
3.001	300	163	Circular	S607	88.50	91.55	S608	88.30	91.95
4.000	225	50	Circular	S608	91.40	92.82	S609	91.21	93.05
4.001	225	21	Circular	S609	91.21	93.05	S610	89.35	91.02
4.002	300	105	Circular	S610	89.27	91.02	S611	88.81	90.51
4.003	300	37	Circular	S611	88.81	90.51	S612	88.90	90.31
4.004	300	13	Circular	S612	88.45	89.73	S613	88.23	89.86
4.005	300	16	Circular	S613	88.25	90.08	S614	87.75	89.71
4.006	300	10	Circular	S614	87.75	89.71	S615	87.15	89.50
5.000	300	240	Circular	S615	83.87	85.88	S616	83.75	85.75
5.001	375	300	Circular	S616	83.89	86.04	S617	83.66	85.12
5.002	375	300	Circular	S617	83.66	85.12	S618	83.04	84.19
5.003	375	300	Circular	S618	83.04	84.19	S619	83.00	84.28
6.000	225	120	Circular	S619	85.63	87.32	S620	85.26	86.98
6.001	225	24	Circular	S620	85.26	86.98	S621	84.82	86.42
6.002	225	12	Circular	S621	84.82	86.42	S622	84.30	85.82
6.003	225	20	Circular	S622	84.30	85.82	S623	83.25	85.57
7.000	600	39	Circular	S123	79.77	81.25	S124	79.15	80.55
7.001	300	48	Circular	S125	79.15	82.05	S126	78.88	81.61
7.002	300	256	Circular	S126	78.88	81.61	S127	78.72	80.73
7.003	300	241	Circular	S127	78.72	80.73	S128	78.03	80.41
7.004	300	50	Circular	S128	78.63	80.41	S129	77.52	79.10
7.005	300	38	Circular	S129	77.52	79.10	S130	76.22	77.86
7.006	300	13	Circular	S130	76.22	77.86	S131	73.65	75.50

Foul Network 2

Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover
1.000	150	45	Circular	F601	94.25	96.27	F602	92.96	95.31
1.001	150	23	Circular	F602	92.96	95.31	F603	92.07	95.00
1.002	150	21	Circular	F603	92.07	95.00	F604	92.23	94.56
1.003	150	20	Circular	F604	92.23	94.56	F605	91.73	94.00
1.004	150	9	Circular	F605	91.73	94.06	F606	90.57	93.67

Foul Network 3

Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover
1.000	150	80	Circular	F611	88.37	90.29	F612	87.86	91.45
1.001	150	150	Circular	F612	87.86	91.45	F613	87.65	90.95

Foul Network 4

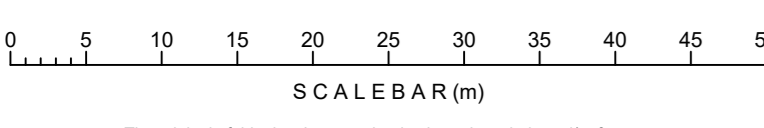
Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover
1.000	150	19	Circular	F621	90.85	92.94	F622	89.00	91.18
1.001	150	60	Circular	F622	89.00	91.16	F623	88.28	90.62
1.002	150	60	Circular	F623	88.28	90.62	F624	88.07	90.30
1.003	150	60	Circular	F624	88.07	90.30	F625	87.65	90.00
1.004	150	60	Circular	F625	87.65	90.00	F626	87.75	89.60

Foul Network 5

Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover
1.000	150	40	Circular	F631	83.70	85.13	F632	83.83	85.48
1.001	150	150	Circular	F632	83.70	85.13	F633	83.00	86.19
1.002	150	150	Circular	F633	83.00	86.19	F634	83.00	86.30

Foul Network 6

Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover
1.000	150	40	Circular	F641	85.30	87.50	F642	84.22	87.14
1.001	150	40	Circular	F642	84.22	87.14	F643	84.00	86.79
1.002	150	40	Circular	F643	84.00	86.79	F644	83.78	86.48
1.003	150	16	Circular	F644	83.78	86.48	F645	82.18	85.70



LEGEND

- Drainage
 - Existing Foul Water sewer (As-Built)
 - Abandoned Foul Sewer
 - Proposed Adoptable Surface Water Sewer
 - Proposed Adoptable Foul Water Sewer
 - Surface Water Attenuation Tanks
 - Sewer Easement
 - Flow Control
- External Works
 - Retaining Wall
 - Flag on Edge
 - Step In Slab
 - Underbuild
 - Finished Floor Level
 - Root Protection Areas
 - Cut / Fill Levels

STRATEGY

Rev.	Date	Revision	By	Appd.
D	17.09.25	Updated to suit revised layout	PW	AJ
C	03.09.25	Updated to suit client comment	PW	AJ
B	28.08.25	Updated to suit revised layout	PW	AJ
A	08.01.25	Updated to suit revised layout	PW	AJ

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Project: **STANDEN HALL CLITHEROE**

Title: **PHASE 6 Engineering Layout**

DRAWING NUMBER	SCALE at A0	DATE	REVISION
6263 P6 / SK02	1:500	02.03.22	D
		DRAWN	LW
		CHECKED	AJ