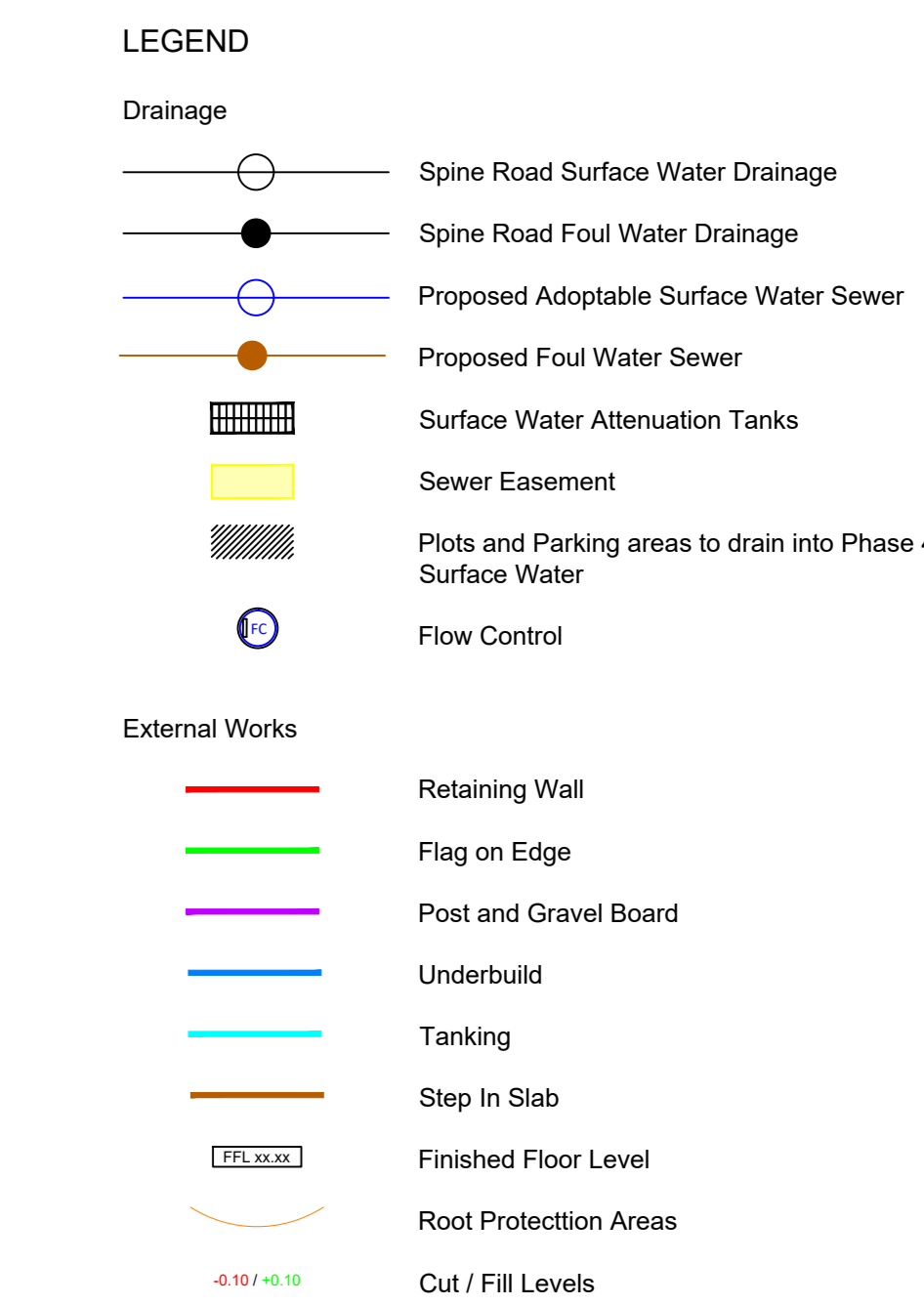


- Notes**
- Setting out shall be undertaken using only the information given. Distances should not be scaled from this drawing.
  - All sewers shall be constructed in accordance with Design and Construction Guidance (DCG) Standards and United Utilities Details & Guidelines.
  - The minimum gravity pipe 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 all 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.



**STRATEGY**

Rev.	Date	Revision	By	Appd.
D	17.09.25	Updated to suit revised layout	PW	AJ
C	28.08.25	Updated to suit revised layout	PW	AJ
B	08.01.25	Updated to suit revised layout	PW	AJ
A	17.03.22	Updated to suit client comments	LW	LW

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**Taylor Wimpey**

Client: **STANDEN HALL CLITHEROE**

Title: **PHASE 5 Engineering Layout**

DRAWING NUMBER	SCALE AT A0	DATE	18.02.22	REVISION
6263 P5 / SK01		DRAWN	PUN/LW	D
		CHECKED	AJ	

**STORM Network 1**

Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover
1.000	1300	400	Circular	S501	88.84	102.03	S502	88.77	102.52
1.001	1300	400	Circular	S502	88.77	102.52	S503	88.70	102.22
1.002	1300	400	Circular	S503	88.55	102.22	S504	88.52	102.01
1.003	1300	400	Circular	S504	88.52	102.01	S505	88.49	101.72
1.004	1300	400	Circular	S505	88.49	101.72	S510	88.42	101.55
1.005	225	18	Circular	S510	88.42	101.05	S513	87.85	100.88
1.006	1300	400	Circular	S513	86.52	100.88	S514	86.48	100.17
1.007	1300	400	Circular	S514	86.48	100.17	S515	86.41	99.65
1.008	225	171	Circular	S515	86.41	99.05	S516	86.38	98.92
2.000	1300	400	Circular	S506	88.73	101.43	S507	88.69	101.60
2.001	1300	400	Circular	S507	88.64	101.60	S508	88.49	101.52
2.002	1300	400	Circular	S508	88.49	101.52	S509	88.48	101.33
2.003	1300	400	Circular	S509	88.48	101.33	S510	88.42	101.05
3.000	1300	400	Circular	S511	86.63	99.93	S512	86.57	100.25
3.001	1300	400	Circular	S512	86.57	100.25	S513	86.52	100.68

**FOWL Network 6**

Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover
1.000	150	80	Circular	F501	98.58	102.01	F502	98.41	102.23
1.001	150	150	Circular	F502	98.41	102.23	F503	98.30	102.54
1.002	150	150	Circular	F503	98.30	102.54	F504	98.11	102.25
1.003	150	150	Circular	F504	98.11	102.25	F505	98.02	102.03
1.004	150	150	Circular	F505	98.02	102.03	F506	97.94	101.78
1.005	150	150	Circular	F506	97.94	101.78	F509	97.74	101.04
1.006	150	150	Circular	F509	97.74	101.04	F512	97.65	100.89
1.007	150	150	Circular	F512	97.65	100.89	F513	97.54	100.81
1.008	150	150	Circular	F513	97.54	100.81	F514	97.40	99.22
1.009	150	18	Circular	F514	97.38	99.22	F515	96.56	98.96
2.000	150	80	Circular	F507	98.02	101.50	F508	97.88	101.39
2.001	150	150	Circular	F508	97.88	101.35	F509	97.74	101.04
3.000	150	80	Circular	F510	98.81	99.39	F511	98.39	100.27
3.001	150	150	Circular	F511	98.39	100.27	F512	98.27	100.68

**STORM Network 2**

Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover
1.000	1350	400	Circular	S521	84.90	99.59	S522	84.77	97.33
1.001	225	16	Circular	S522	84.77	97.33	S523	82.86	88.32
1.002	1000	400	Circular	S523	80.50	95.32	S524	80.43	93.43
1.003	1000	400	Circular	S524	80.43	93.43	S525	80.36	93.35
1.004	1300	400	Circular	S525	80.36	93.35	S526	80.32	93.25
1.005	1000	400	Circular	S526	80.32	93.25	S527	80.26	93.15
1.006	225	11	Circular	S527	80.26	93.15	S528	88.72	92.42

**FOWL Network 7**

Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover
1.000	150	17	Circular	F521	97.48	99.63	F522	94.32	97.47
1.001	150	64	Circular	F522	94.32	97.47	F523	93.87	95.52
1.002	150	18	Circular	F523	93.87	95.52	F524	92.00	93.48
1.003	150	71	Circular	F524	92.00	93.49	F525	91.71	93.10
1.004	150	80	Circular	F525	91.71	93.10	F526	91.44	93.00
1.005	150	80	Circular	F526	91.44	93.00	F527	91.16	93.00
1.006	150	16	Circular	F527	91.16	93.00	F528	90.32	92.00

**STORM Network 3**

Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover
1.000	225	59	Circular	S531	96.51	99.00	S532	96.36	99.18

**FOWL Network 8**

Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover
1.000	150	80	Circular	F531	96.66	98.63	F532	96.56	98.96

**STORM Network 4**

Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover
1.000	225	170	Circular	S541	94.15	96.95	S542	94.00	97.00

**FOWL Network 9**

Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover
1.000	150	80	Circular	F541	95.03	97.08	F542	94.94	97.12

**STORM Network 5**

Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover
1.000	225	170	Circular	S551	89.90	94.10	S552	89.92	93.45
1.001	225	170	Circular	S552	89.92	93.45	S553	89.87	93.14

**FOWL Network 10**

Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover
1.000	150	80	Circular	F501	91.84	94.98	F502	91.77	93.93