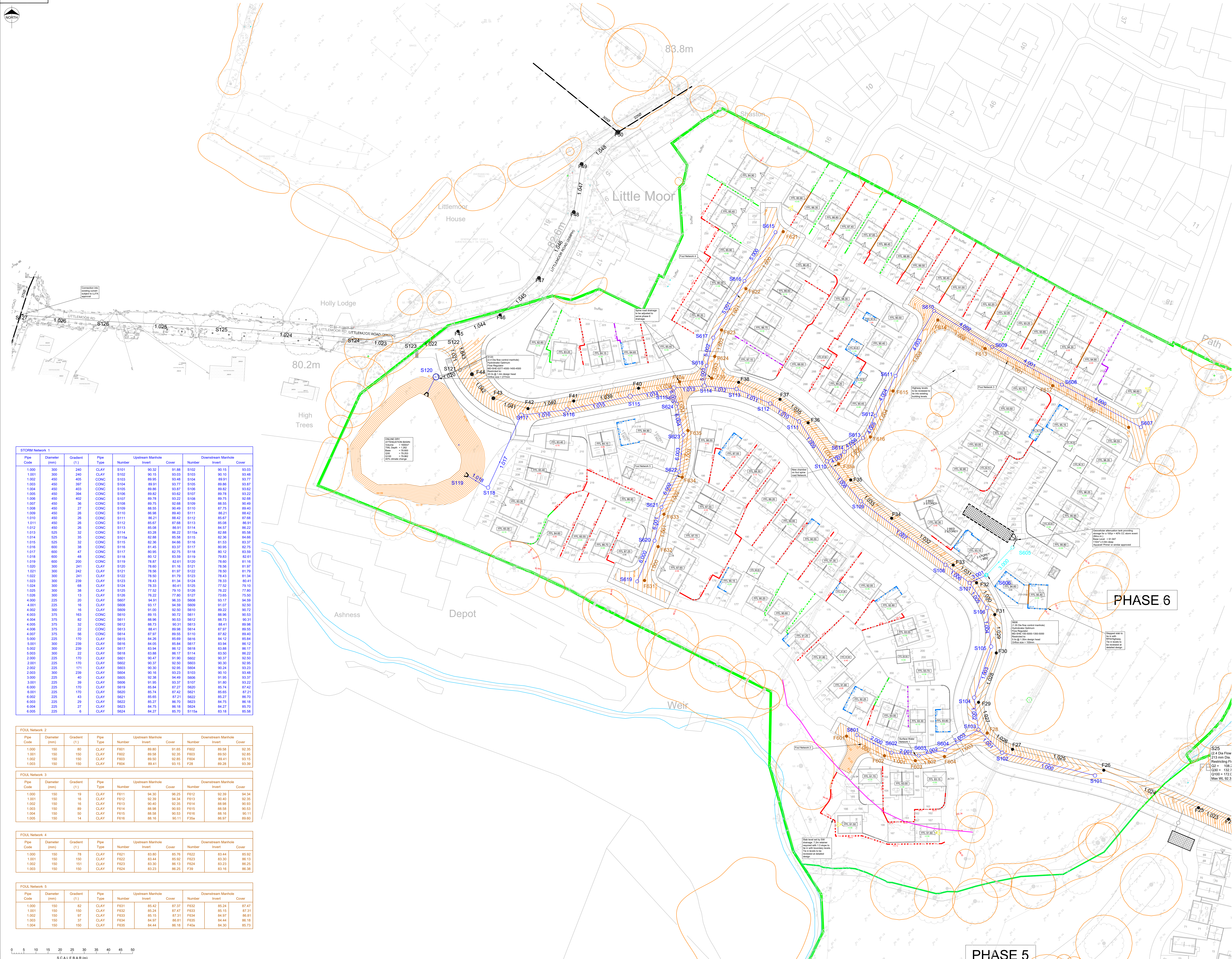


DO NOT SCALE



STORM Network 1											
Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover		
1.000	300	240	CLAY	S101	90.32	91.88	S102	90.15	93.03		
1.001	300	240	CLAY	S102	90.15	93.03	S103	90.10	93.48		
1.002	450	405	CONC	S103	89.95	93.48	S104	89.91	93.77		
1.003	450	397	CONC	S104	89.91	93.77	S105	89.86	93.87		
1.004	450	403	CONC	S105	89.86	93.87	S106	89.82	93.83		
1.005	450	394	CONC	S106	89.82	93.82	S107	89.78	93.22		
1.006	450	402	CONC	S107	89.78	93.22	S108	89.75	92.68		
1.007	450	36	CONC	S108	89.75	92.68	S109	89.65	90.45		
1.008	450	27	CONC	S109	88.55	90.49	S110	87.75	89.40		
1.009	450	26	CONC	S110	86.98	89.40	S111	86.21	88.42		
1.010	450	26	CONC	S111	86.21	88.42	S112	85.87	87.68		
1.011	450	26	CONC	S112	85.67	87.68	S113	85.08	86.91		
1.012	450	26	CONC	S113	85.08	86.91	S114	84.57	85.22		
1.013	525	32	CONC	S114	83.28	86.22	S115a	82.88	85.58		
1.014	525	32	CONC	S115a	82.88	85.58	S115	82.36	84.66		
1.015	525	32	CONC	S115	82.36	84.66	S116	81.53	83.37		
1.016	600	38	CONC	S116	81.45	83.37	S117	80.95	82.75		
1.017	600	47	CONC	S117	80.95	82.75	S118	80.12	83.59		
1.018	600	48	CONC	S118	80.12	83.59	S119	79.83	82.61		
1.019	600	200	CONC	S119	78.87	82.61	S120	78.60	81.16		
1.020	300	241	CLAY	S120	78.60	81.16	S121	78.56	81.97		
1.021	300	242	CLAY	S121	78.56	81.97	S122	78.50	81.79		
1.022	300	241	CLAY	S122	78.50	81.79	S123	78.43	81.34		
1.023	300	239	CLAY	S123	78.43	81.34	S124	78.33	80.41		
1.024	300	68	CLAY	S124	78.33	80.41	S125	77.52	79.10		
1.025	300	38	CLAY	S125	77.52	79.10	S126	76.22	77.80		
1.026	300	13	CLAY	S126	76.22	77.80	S127	73.65	75.50		
4.000	225	20	CLAY	S607	94.91	96.33	S608	93.17	94.59		
4.001	225	16	CLAY	S608	93.17	94.59	S609	91.07	92.50		
4.002	300	16	CLAY	S609	91.00	92.50	S610	89.22	90.72		
4.003	375	163	CONC	S610	89.15	90.72	S611	88.96	90.53		
4.004	375	82	CONC	S611	88.96	90.53	S612	88.73	89.31		
4.005	375	32	CONC	S612	88.73	89.31	S613	88.41	89.98		
4.006	375	22	CONC	S613	88.41	89.98	S614	87.97	89.55		
4.007	375	58	CLAY	S614	87.97	89.55	S615	87.82	89.40		
5.000	225	170	CLAY	S615	84.26	85.69	S616	84.12	85.84		
5.001	300	229	CLAY	S616	84.05	85.84	S617	83.84	86.12		
5.002	300	239	CLAY	S617	83.84	86.12	S618	83.88	86.17		
5.003	300	22	CLAY	S618	83.88	86.17	S114	83.50	86.22		
2.000	225	170	CLAY	S601	90.47	91.90	S602	90.37	92.50		
2.001	225	170	CLAY	S602	90.37	92.50	S603	90.30	92.95		
2.002	225	171	CLAY	S603	90.30	92.95	S604	90.24	93.23		
2.003	225	170	CLAY	S604	90.16	92.93	S103	90.10	93.48		
3.000	225	40	CLAY	S605	92.38	94.49	S606	91.95	93.37		
3.001	225	39	CLAY	S606	91.95	93.37	S107	91.80	93.22		
6.000	225	170	CLAY	S619	85.84	87.27	S620	85.74	87.42		
6.001	225	170	CLAY	S620	85.74	87.42	S621	85.65	87.21		
6.002	225	43	CLAY	S621	85.65	87.21	S622	85.27	86.70		
6.003	225	29	CLAY	S622	85.27	86.70	S623	84.75	86.18		
6.004	225	27	CLAY	S623	84.75	86.18	S624	84.27	85.70		
6.005	225	6	CLAY	S624	84.27	85.70	S115a	83.16	85.58		

FOUL Network 2											
Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover		
1.000	150	80	CLAY	F601	89.80	91.65	F602	89.58	92.35		
1.001	150	150	CLAY	F602	89.58	92.35	F603	89.50	92.85		
1.002	150	150	CLAY	F603	89.50	92.85	F604	89.41	93.15		
1.003	150	150	CLAY	F604	89.41	93.15	F28	89.28	93.39		

FOUL Network 3											
Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover		
1.000	150	19	CLAY	F611	94.30	96.25	F612	92.39	94.34		
1.001	150	16	CLAY	F612	92.39	94.34	F613	90.40	92.35		
1.002	150	16	CLAY	F613	90.40	92.35	F614	89.89	90.93		
1.003	150	89	CLAY	F614	88.98	90.93	F615	88.58	90.53		
1.004	150	50	CLAY	F615	88.58	90.53	F616	88.16	90.11		
1.005	150	14	CLAY	F616	88.16	90.11	F61a	86.97	89.93		

FOUL Network 4											
Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover		
1.000	150	78	CLAY	F621	83.80	85.76	F622	83.44	85.62		
1.001	150	150	CLAY	F622	83.44	85.62	F623	83.30	85.13		
1.002	150	151	CLAY	F623	83.30	85.13	F624	83.23	86.25		
1.003	150	150	CLAY	F624	83.23	86.25	F39	83.16	86.38		

FOUL Network 5											
Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Type	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover		
1.000	150	150	CLAY	F631	85.42	87.37	F632	85.24	87.47		
1.001	150	150	CLAY	F632	85.24	87.47	F633	85.15	87.31		
1.002	150	97	CLAY	F633	85.15	87.31	F634	84.97	86.81		
1.003	150	37	CLAY	F634	84.97	86.81	F635	84.44	85.18		
1.004	150	150	CLAY	F635	84.44	86.18	F63a	84.30	85.73		

- 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 D.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 S 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.

LEGEND

- Drainage
- Spine Road Surface Water Drainage
 - Spine Road Foul Water Drainage
 - Proposed Adoptable Surface Water Sewer
 - Proposed Private Surface Water Sewer
 - Proposed Adoptable Foul Water Sewer
 - Surface Water Attenuation Tanks
 - Sewer Easement
 - Flow Control
- External Works
- Retaining Wall
 - Flag on Gable
 - Post and Edge Board
 - Underbuild
 - Finished Floor Level
 - Root Protection Areas
 - Cut / Fill Levels
 - Top of Bank

STRATEGY

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Park House
Sandpiper Court
Chester Business Park
Chester
CH4 5DU

Client

Taylor Wimpey

Project

STANDEN HALL CLITHEROE

Title

PHASE 6 Engineering Layout

DRAWING NUMBER

6263 P6 / SK02

SCALE at A0

1:500

DATE

02.03.22

REVISION

DRAWN

LW

CHECKED

AJ

0 5 10 15 20 25 30 35 40 45 50
SCALE BAR (m)

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