United Utilities Inspection Sheet
Development CCTV Work
(Manholes and gravity sewers)

United Utilities
Water for the North West

Site name:	Clarion Ex Lane End Broadmeadow Park Abbey Rd S
Site address	Clarion Ex Lane End Broadmeadow Park Abbey Rd S
District Council:	Congleton (Cheshire East)
United Utilities Notification number	4200023637

Accurate "as built" drawing received?	No
Development achieved 50% occupancy?	Yes
Type of remedial list:	Manhole and sewers remedial list

DSI Contact name:	[redacted]	Telephone:	[redacted]
		Email:	[redacted]
Adoptions Engineer:	[redacted]	Telephone:	
		Email:	
Developer:		Telephone:	
Contact name:		Email:	
Contractor:		Telephone:	
Contact name:		Email:	

Please note a final inspection cannot be completed until the development is completed and has a minimum of 50% occupancy. Where the status 'observation feedback during construction' is used, this is not the final inspection. Additional actions may arise upon comple ion of the final inspection.

SEWER REMEDIAL WORK

MH TO MH	Status	Approx. meterage	Defect observed	Action(s)
SW1 - SW2	See action(s)	59.10M	Other (see comments)	The Polyethylene 225mm that has been installed this is used for ducting not sewers - one of he main giveaways is that the ducting comes in 6m lengths - this will need to be removed and re installed wi h a number of correct materials that are at your disposal.
SW02C - SW01C	Passed	35.30M		675MM CONCRETE INSTALLED
SW2 - SW3	See action(s)	17.20M	Other (see comments)	The Polyethylene 225mm that has been installed this is used for ducting not sewers - one of he main giveaways is that the ducting comes in 6m lengths - this will need to be removed and re installed wi h a number of correct materials that are at your disposal.
SW02CSW03C	Passed	16.70M		825MM CONCRETE INSTALLED
SW03W - SW04W	See action(s)	38.10M	Other (see comments)	225MM POLYVINYL INSTALLED - This length of sewer seems to be squashed into an oval shape - could re check and view live on site if you wish to push back
SW03C - SW04C	Passed	22.70M		825MM CONCRETE INSTALLED
SW04G - SW04E	See action(s)	06.00M	Hole in pipe	150MM PVC USED - unfortunetly it has a large hole in top of pipe situated at around 5.9m - a dig down repair will be required
SW04W - SW05W	Passed	08.80M		225MM PVC INSTALLED
SW05W - SW06W	Passed	19.00M		300MM PVC INSTALLED
SW05C - SW04	Passed	06.60M		150MM PVC INSTALLED
SW04C - SW06C	Passed	11.30M		825MM CONCRETE INSTALLED
SW06W - SW07W	Passed	23.60M		300PVC INSTALLED
SW07W - SW08	Passed	08.00M		300PVC INSTALLED
SW08E - SW09E	Passed	22.10M		150MM PVC INSTALLED
SW08W - SW09W	Passed	06.80M		300PVC INSTALLED
SW09E - SW10E	Passed	20.10M		300MM PVC INSTALLED
SW09W - SW10W	Passed	50.20M		375MM CONCRETE INSTALLED
SW12W - SW13W	Passed	21.40M		150MM PVC INSTALLED
SW13W - SW15W	Passed	31.00M		300MM PVC INSTALLED
SW15W - SW16W	Passed	12.00M		300MM PVC INSTALLED
SW16W - SW18W	Passed	22.70M		300MM PVC INSTALLED
SW18W - SW19W	Passed	29.30M		375MM CONCRETE INSTALLED
SW19W - SW20W	Passed	11.10M		375MM CONCRETE INSTALLED
SW20W - SW21W	Passed	14.80M		375MM CONCRETE INSTALLED
SW21W - SW22W	Passed	11.80M		375MM CONCRETE INSTALLED
SW22W - SW23W	Passed	20.10M		375MM CONCRETE INSTALLED
SW26W - INLET	Passed	05.10M		900MM POLYETHLENE INSTALLED - grill that is in situ to catch debris could do with clearing before site is eventually handed over
SW27W - EXMH 06	Passed	16.50M		300MM PVC INSTALLED
CO1 - C02	See action(s)	05.70M	Other (see comments)	This sewer length requires re jetting due to FOGs scale within the pipework restricting flows
CO2 - CO3	See action(s)	04.60M	Other (see comments)	This sewer length requires re jetting due to FOGs scale within the pipework restricting flows
CO3 - CO4	See action(s)	13.40M	Other (see comments)	This sewer length requires re jetting due to FOGs scale within the pipework restricting flows
CO4 - CO5	See action(s)	51.00M	Other (see comments)	This sewer length requires re jetting due to FOGs scale within the pipework restricting flows
CO5 - CO6	Passed	13.80M		225MM PVC INSTALLED
CO6 - CO7	Passed	51.20M		225MM PVC INSTALLED
CO7 - CO8	See action(s)	12.90M	Other (see comments)	This sewer length requires re jetting due to FOGs scale within the pipework restricting flows
CO8 - CO9	Passed	41.60M		225MM PVC INSTALLED
CO9 - C10	Passed	32.10M		225MM PVC INSTALLED
C10 - FW1	See action(s)	05.50M	Other (see comments)	We just require a check of the pipework as unsure through survey what the material actually is
DSW06 - SW17E	See action(s)	03.00M	Other (see comments)	This sewer length requires re jetting due to FOGs scale within the pipework restricting flows
F3 - F4	Passed	05.50M		150MM PVC INSTALLED
F11 - F12	Passed	42.80M		150MM PVC INSTALLED
F138 - F13	Passed	05.70M		100MM PVC INSTALLED
F168 - F16	Passed	06.80M		150MM PVC INSTALLED
F18 - CO3	Passed	10.40M		150MM PVC INSTALLED
F24 - F25	Passed	18.50M		150MM PVC INSTALLED
F25 - F26	Passed	26.00M		150MM PVC INSTALLED
F31 - CO7	Passed	09.80M		150MM PVC INSTALLED
SW13E - SW06E	Passed	13.40M		150MM PVC INSTALLED
SW26W - INLET	Passed	03.20M		900MM POLYETHELENE INSTALLED
SW27W - OUTLET	See action(s)	06.80M	Other (see comments)	Remove the debris that is choking he grated system causing system to back up
UU 3501 - CO1	Passed	13.00M		225MM PVC INSTALLED
F107 - F106	See action(s)	18.00M	Other (see comments)	This sewer length requires re jetting due to FOGs scale within the pipework restricting flows
F106 - F59B	See action(s)	07.00M	Other (see comments)	This sewer length requires re jetting due to FOGs scale within the pipework restricting flows
F106 - F59	Passed	07.30M		150MM PVC INSTALLED
F105 - F104	Passed	17.20M		150MM PVC INSTALLED
F104 - F103	Passed	11.40M		150MM PVC INSTALLED
S138 - S137	Passed	10.80M		225MM PVC INSTALLED
S137 - S104	Passed	26.30M		225MM PVC INSTALLED
S126 - S119	Passed	19.20M		225MM PVC INSTALLED
S125 - S124	Passed	16.70M		375MM CONCRETE INSTALLED
S124 - S123	Passed	23.00M		375MM CONCRETE INSTALLED
S123 - S122	Passed	08.10M		375MM CONCRETE INSTALLED
S122 - S117	Passed	34.20M		375MM CONCRETE INSTALLED
S121 - S120	Passed	41.20M		375MM CONCRETE INSTALLED

S120 - S119	Passed	37.40M		375MM CONCRETE INSTALLED
F103 - F102	Passed	11.40M		225MM PVC INSTALLED
S119 - S118	Passed	18.40M		225MM PVC INSTALLED
S118 - S117	Passed	27.40M		375MM CONCRETE INSTALLED
S117 - S116	Passed	36.60M		375MM CONCRETE INSTALLED
S116 - S115	Passed	19.40M		375MM CONCRETE INSTALLED
S115 - S114	Passed	66.80M		375MM CONCRETE INSTALLED
S114 - S113	Passed	63.30M		375MM CONCRETE INSTALLED
S113 - S112	Passed	18.00M		375MM CONCRETE INSTALLED
S112 - S111	Passed	10.90M		375MM CONCRETE INSTALLED
S111 - S110	Passed	11.60M		375MM CONCRETE INSTALLED
S107 - S56	See action(s)	19.40M		Need to know what this pipework is - unable to make out during cctv survey
F102 - F101	Passed	35.80M		300MM PVC INSTALLED
S106 - S105	Passed	21.20M		375MM CONCRETE INSTALLED
S105 - S104	Passed	36.00M		375MM CONCRETE INSTALLED
S104 - S103	Passed	10.40M		375MM CONCRETE INSTALLED
S103 - S102	Passed	12.40M		375MM CONCRETE INSTALLED
S101 - S102	Passed	12.50M		300MM PVC INSTALLED
S101 - S100	Passed	11.00M		300MM PVC INSTALLED
S100 - S50	Passed	30.50m		
F122 - F121	Passed	24.30m		
F121 - F120	Passed	11.60m		
F120 - F119	Passed	22.90m		
F101 - F100	Passed	36.80m		
F119 - F114	Passed	69.00m		
F117 - F115	Passed	23.10m		
F115 - F114	Passed	22.90m		
F114 - F113	Passed	34.70m		
F113 - F112	Passed	20.40m		
F112 - F111	See action(s)	64.80M	Seeping infiltration	Infiltration can be reached within the manhole
F111 - F110	Passed	63.60m		
F110 - F109	Passed	18.40m		
F109 - F108	Passed	09.60m		
F108 - F107	Passed	11.00m		
F59 - F59B	Passed	08.70m		
			Other (see comments)	LIDAR SURVEY BELOW
SW02E - SW04E	See action(s)	38.40M	Deformation within pipe	This section of sewer has deformationin several places over the allowed tollerances of 6% - the flat graph that accompanies these surveys clearly show a laser has not been used thus pipework has not been laid correctly and as I have previously mentioned and shown (via Slip trenches) that the installation has not been followed to the manufactures recommendations - - full relay required - preferably concrete 1050mm
SW04E - SW05E	See action(s)	20.70M	Deformation within pipe	The installation has not been followed to he manufactures recommendations thus weakening the integrity of the product - also deformation over 8% outside of our allowed tollerances - full relay required preferably concrete 1050mm
SW05E - SW06E	See action(s)	36.30M	Deformation within pipe	Deformation occurring in places at 9.5% again above our allowed working tollerances - installation incorrect so weakening the integrity of the product - not fit for purpose - full relay required preferably concrete 1050mm
SW23W - SW24W	See action(s)	40.00M	Deformation within pipe	Maximum deformation @ 10.7% - mis shaped throughout the sewer length - installation has weakened he integrity of the product - CBR checks at a later date would in my opinion squash crown of pipework forcing further deformation - full relay required 900mmconcrete prefered
SW11W - SW24W	See action(s)	23.10m	Deformation within pipe	Out of all tollerences - full relay required - 900mm concrete prefered
SW24W - SW25W	See action(s)	19.2M	Deformation within pipe	900mm concrete preferably to replace the out of tollerances 13%- incorrect installation on this section of pipework - full relay required
SW13E - SW14E	See action(s)	24.70M	Deformation within pipe	This section of sewer is ready again in my humble opinion to fold in on itself over 13% deforma ion because of he poor installation - full relay preferably 900mm concrete
SW14E - SW15E	See action(s)	30.00M	Deformation within pipe	Although the deformation is around the allowed tollerances of 6% maximum the installation will have this length failing at sometime - again once the CBR checks done prior to final surfacing with a 135 roller - 900mm relay in concrete.
SW15E - SW16E	See action(s)	08.80M	Deformation within pipe	6% deforma ion but again it's the installation that I am cocerned about relay 900mm concrete
SW16E - SW17E	See action(s)	08.90M	Deformation within pipe	Poor installation - maximum tollerances for allowed deformation relay 900mm concrete
SW07E - SW11E	See action(s)	15.00M	Deformation within pipe	Deformation occurring in places at 9.5% again above our allowed working tollerances - installation incorrect so weakening the integrity of the product - not fit for purpose - full relay required preferably concrete 1050mm
SW11E - SW12E	See action(s)	24.00M	Deformation within pipe	allowed working tollerances - installation incorrect so weakening the integrity of the product - not fit for purpose -
SW12E - SW06E	See action(s)	12.00M	Deformation within pipe	The installation has not been followed to he manufactures recommendations thus weakening the integrity of the product - also deformation over 8% outside of our allowed tollerances - full relay required preferably concrete 1050mm

Add new row(s)

You may wish to refer to United Utilities website for Developer Services. This can be found using the following link:
https://www.unitedutilities.com/builders-developers/wastewater-services-and-connections/

Additional comments:			
CCTV viewed and comments made in full			
Issued by:	[redacted]	Date of inspection:	30/04/2025

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