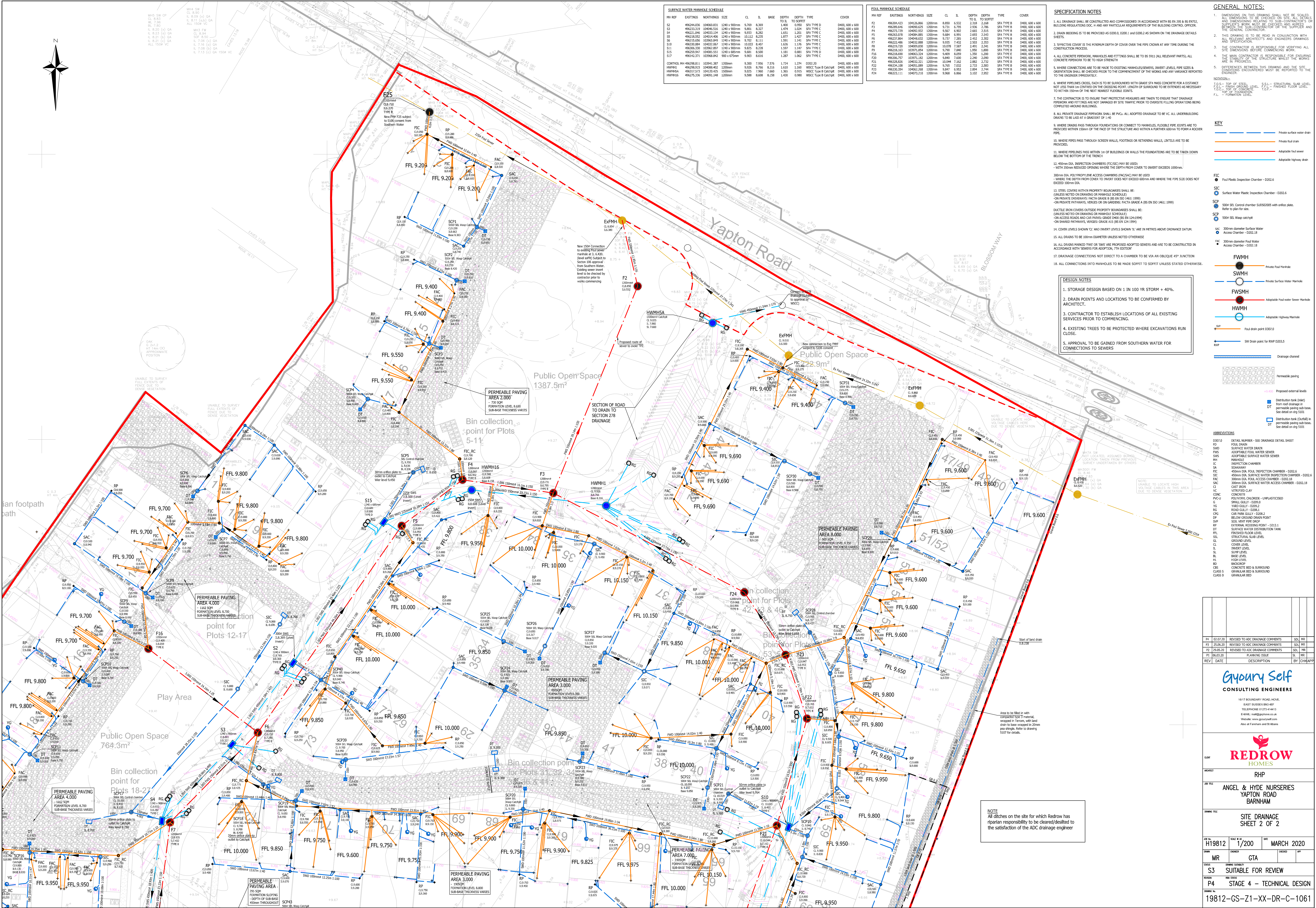




SURFACE WATER MANHOLE SCHEDULE											
MANHOLE	EASTINGS	NORTHINGS	SIZE	CL	IL	BASE	DEPTH	DEPTH	TYPE	COVER	
F2	490244.036	104060.833	1200mm	9.260	8.339	1.400	1.400	1.400	SFA TYPE D	D400, 600 x 600	
F3	490233.319	104064.516	1200mm	9.861	8.317	1.474	1.474	1.474	SFA TYPE C	D400, 600 x 600	
F4	490221.046	104053.124	1200mm	9.833	8.282	1.651	1.651	1.651	SFA TYPE C	D400, 600 x 600	
F5	490218.552	104044.406	1200mm	10.112	8.235	1.877	1.877	1.877	SFA TYPE C	D400, 600 x 600	
F6	490210.596	104036.894	1200mm	9.792	8.111	1.591	1.591	1.591	SFA TYPE C	D400, 600 x 600	
F7	490230.884	104032.067	1200mm	10.033	8.487	1.626	1.176	1.176	SFA TYPE D	D400, 600 x 600	
F8	490206.330	103992.897	1200mm	9.825	8.228	1.597	1.147	1.147	SFA TYPE C	D400, 600 x 600	
F9	490229.847	104001.553	1200mm	9.681	8.200	1.181	0.881	0.881	SFA TYPE D	D400, 600 x 600	
F10	490242.371	103964.841	900 x 600mm	9.903	8.616	1.287	1.062	1.062	SFA TYPE C	D400, 600 x 600	
CONTROL	490238.111	103941.387	1200mm	9.300	7.956	7.576	1.274	1.274	WSCT Type B Catchpit	D400, 600 x 600	
HWMH1	490229.025	104066.452	1200mm	9.920	8.356	1.330	1.330	1.330	WSCT Type B Catchpit	D400, 600 x 600	
HWMH2	490217.573	104120.425	1200mm	9.835	7.960	7.660	1.365	1.365	WSCT Type B Catchpit	D400, 600 x 600	
HWMH3	490225.126	104021.146	1200mm	9.588	8.668	1.158	1.430	1.430	WSCT Type B Catchpit	D400, 600 x 600	

FOUL MANHOLE SCHEDULE											
MANHOLE	EASTINGS	NORTHINGS	SIZE	CL	IL	DEPTH	DEPTH	TYPE	COVER		
F2	490244.036	104126.866	1200mm	8.850	6.332	2.518	2.518	SFA TYPE B	D400, 600 x 600		
F3	490239.646	104060.833	1200mm	9.731	6.795	2.936	2.796	SFA TYPE B	D400, 600 x 600		
F4	490227.729	104060.833	1200mm	9.507	6.802	2.660	2.335	SFA TYPE B	D400, 600 x 600		
F5	490236.078	104048.885	1200mm	9.684	6.991	2.603	2.543	SFA TYPE B	D400, 600 x 600		
F6	490232.864	104046.832	1200mm	9.737	7.287	2.452	2.382	SFA TYPE B	D400, 600 x 600		
F7	490222.486	104032.888	1200mm	9.935	7.432	2.503	2.353	SFA TYPE B	D400, 600 x 600		
F8	490216.020	104006.830	1200mm	10.009	7.387	2.491	2.341	SFA TYPE B	D400, 600 x 600		
F9	490218.663	103971.884	1200mm	9.790	7.940	1.950	1.800	SFA TYPE B	D400, 600 x 600		
F10	490218.660	104053.124	1200mm	9.409	8.559	1.491	1.341	SFA TYPE B	D400, 600 x 600		
F11	490236.757	103971.882	1200mm	9.890	7.600	2.240	2.090	SFA TYPE B	D400, 600 x 600		
F12	490238.254	104062.268	1200mm	9.847	8.953	2.944	2.794	SFA TYPE B	D400, 600 x 600		
F13	490234.188	104051.889	1200mm	9.703	7.032	2.733	2.583	SFA TYPE B	D400, 600 x 600		
F14	490238.254	104062.268	1200mm	9.847	8.953	2.944	2.794	SFA TYPE B	D400, 600 x 600		
F15	490233.111	104073.120	1200mm	9.968	6.986	3.102	2.952	SFA TYPE B	D400, 600 x 600		

- ### SPECIFICATION NOTES
- ALL DIMENSIONS ON THIS DRAWING SHALL NOT BE SCALED. ALL DIMENSIONS TO BE CHECKED ON SITE. ALL DIMENSIONS RELATIVE TO SUB-CONTRACTOR'S OR SUPPLIER'S WORK MUST BE CHECKED AND AGreed BETWEEN THE SUB-CONTRACTOR OR THE SUPPLIER AND THE ENGINEER'S DRAWINGS.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE CONTRACT SPECIFICATION AND ANY ENGINEER'S SHEETS.
 - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SITE DIMENSIONS BEFORE COMMENCING WORK.
 - THE MAIN CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE STRUCTURE, WHICH THE WORKS ARE TO BE CONSTRUCTED, IS NOT DAMAGED BY THE WORKS.
 - DIFFERENCES BETWEEN THIS DRAWING AND THE SITE SURVEY SHALL BE REPORTED TO THE ENGINEER.
- ### GENERAL NOTES
- ALL DIMENSIONS ON THIS DRAWING SHALL NOT BE SCALED. ALL DIMENSIONS TO BE CHECKED ON SITE. ALL DIMENSIONS RELATIVE TO SUB-CONTRACTOR'S OR SUPPLIER'S WORK MUST BE CHECKED AND AGreed BETWEEN THE SUB-CONTRACTOR OR THE SUPPLIER AND THE ENGINEER'S DRAWINGS.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE CONTRACT SPECIFICATION AND ANY ENGINEER'S SHEETS.
 - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SITE DIMENSIONS BEFORE COMMENCING WORK.
 - THE MAIN CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE STRUCTURE, WHICH THE WORKS ARE TO BE CONSTRUCTED, IS NOT DAMAGED BY THE WORKS.
 - DIFFERENCES BETWEEN THIS DRAWING AND THE SITE SURVEY SHALL BE REPORTED TO THE ENGINEER.
- ### NOTES
- WHERE PIPES CROSS, EACH IS TO BE SURROUNDED WITH GRADE 5 HAS CONCRETE FOR A DISTANCE NOT LESS THAN 1m CENTRED ON THE CROSSING POINT. LENGTH OF SURROUND TO BE EXTENDED AS NECESSARY TO PROVIDE 150mm OF THE MOST NEAREST ADJACENT JOINTS.
 - THE CONTRACTOR IS TO ENSURE THAT PROTECTIVE MEASURES ARE TAKEN TO INSURE THAT DRAINAGE PIPES AND FITTINGS ARE NOT DAMAGED BY SITE TRAFFIC PRIOR TO OVERSIGHT FILLING OPERATIONS BEING COMPLETED AROUND BUILDINGS.
 - ALL PRIVATE DRAINAGE PIPES SHALL BE PVC-U. ALL ADOPTED DRAINAGE TO BE VC. ALL UNDERGROUND DRAINAGE TO BE Laid AT A GRADIENT OF 1:40.
 - 450mm DIA. INSPECTION CHAMBERS (FIC/SIC) MAY BE USED:
 - WITH 300mm REDUCED OPENING WHERE THE DEPTH FROM COVER TO INVERT EXCEEDS 1000mm.
 - 300mm DIA. POLYPROPYLENE ACCESS CHAMBERS (FAC/SAC) MAY BE USED:
 - WHERE THE DEPTH FROM COVER TO INVERT DOES NOT EXCEED 600mm AND WHERE THE PIPE SIZE DOES NOT EXCEED 100mm DIA.
 - STEEL COVERS WITHIN PROPERTY BOUNDARIES SHALL BE:
 - UNLESS NOTED ON DRAWING OR MANHOLE SCHEDULE
 - ON PRIVATE DRIVEWAYS: FACTA GRADE B (BS EN ISO 14661:1999)
 - ON PRIVATE PATHWAYS, VERGES OR ON GARDENS: FACTA GRADE A (BS EN ISO 14661:1999)
 - DUCTILE IRON COVERS OUTSIDE PROPERTY BOUNDARIES SHALL BE:
 - UNLESS NOTED ON DRAWING OR MANHOLE SCHEDULE
 - ON ACCESS ROADS AND CAR PARKS: GRADE DWP (BS EN 124:1994)
 - ON SHARED PATHWAYS, VERGES GRADE A15 (BS EN 124:1994)
 - COVER LEVELS SHOWN 'CL' AND INVERT LEVELS SHOWN 'IL' ARE IN METRES ABOVE ORIGINARE DATUM.
 - ALL DRAINAGE TO BE 100mm DIAMETER UNLESS NOTED OTHERWISE.
 - ALL DRAINAGE MARKED 'TWS' OR 'SWS' ARE PROVIDED ADOPTED SEWERS AND ARE TO BE CONSTRUCTED IN ACCORDANCE WITH SEWERS FOR ADOPTION, 7TH EDITION.
 - DRAINAGE CONNECTIONS NOT DIRECT TO A CHAMBER TO BE VIA AN ORIGINARE 45° JUNCTION.
 - ALL CONNECTIONS INTO MANHOLES TO BE MADE BY SOFFIT TO SOFFIT UNLESS STATED OTHERWISE.

- ### DESIGN NOTES
- STORAGE DESIGN BASED ON 1 IN 100 YR STORM + 40%.
 - DRAIN POINTS AND LOCATIONS TO BE CONFIRMED BY ARCHITECT.
 - CONTRACTOR TO ESTABLISH LOCATIONS OF ALL EXISTING SERVICES PRIOR TO COMMENCING.
 - EXISTING TREES TO BE PROTECTED WHERE EXCAVATIONS RUN CLOSE.
 - APPROVAL TO BE GAINED FROM SOUTHERN WATER FOR CONNECTIONS TO SEWERS.
- ### KEY
- Private surface water drain
 - Private foul drain
 - Adoptable foul sewer
 - Adoptable highway drain
- ### LEGEND
- FIC: Foul Plastic Inspection Chamber - D202.6
 - SIC: Surface Water Plastic Inspection Chamber - D202.6
 - SCD: 500mm SEL Control chamber SUDS20005 with orifice plate. Refer to plan for size.
 - SCD: 500mm SEL Wisp catchpit
 - SAC: 300mm diameter Surface Water Access Chamber - D202.18
 - FAC: 300mm diameter Foul Water Access Chamber - D202.18
 - FWMH: Foul Water Manhole
 - SWMH: Surface Water Manhole
 - FWSMH: Foul Water Surface Manhole
 - HWMH: Highway Water Manhole
 - SWS: Surface Water Sump
 - SW Drain point for RWP D202.5
 - Drainage channel
 - Removable paving
 - Proposed external levels
 - Distribution tank (not from road drainage) - removable paving sub-base. See detail on org 3101.
 - Distribution tank (not from road drainage) - removable paving sub-base. See detail on org 3101.
- ### ABBREVIATIONS
- | ABBREVIATION | DESCRIPTION |
|--------------|------------------------|
| PD | Private Drain |
| SWD | Surface Water Drain |
| FWD | Foul Water Drain |
| SWS | Surface Water Sump |
| FWW | Foul Water Sump |
| SWM | Surface Water Manhole |
| FSM | Foul Water Manhole |
| SWC | Surface Water Catchpit |
| FWC | Foul Water Catchpit |
| SWD | Surface Water Drain |
| FWD | Foul Water Drain |
| SWS | Surface Water Sump |
| FWW | Foul Water Sump |
| SWM | Surface Water Manhole |
| FSM | Foul Water Manhole |
| SWC | Surface Water Catchpit |
| FWC | Foul Water Catchpit |
| SWD | Surface Water Drain |
| FWD | Foul Water Drain |
| SWS | Surface Water Sump |
| FWW | Foul Water Sump |
| SWM | Surface Water Manhole |
| FSM | Foul Water Manhole |
| SWC | Surface Water Catchpit |
| FWC | Foul Water Catchpit |
| SWD | Surface Water Drain |
| FWD | Foul Water Drain |
| SWS | Surface Water Sump |
| FWW | Foul Water Sump |
| SWM | Surface Water Manhole |
| FSM | Foul Water Manhole |
| SWC | Surface Water Catchpit |
| FWC | Foul Water Catchpit |
| SWD | Surface Water Drain |
| FWD | Foul Water Drain |
| SWS | Surface Water Sump |
| FWW | Foul Water Sump |
| SWM | Surface Water Manhole |
| FSM | Foul Water Manhole |
| SWC | Surface Water Catchpit |
| FWC | Foul Water Catchpit |
| SWD | Surface Water Drain |
| FWD | Foul Water Drain |
| SWS | Surface Water Sump |
| FWW | Foul Water Sump |
| SWM | Surface Water Manhole |
| FSM | Foul Water Manhole |
| SWC | Surface Water Catchpit |
| FWC | Foul Water Catchpit |
| SWD | Surface Water Drain |
| FWD | Foul Water Drain |
| SWS | Surface Water Sump |
| FWW | Foul Water Sump |
| SWM | Surface Water Manhole |
| FSM | Foul Water Manhole |
| SWC | Surface Water Catchpit |
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| SWD | Surface Water Drain |
| FWD | Foul Water Drain |
| SWS | Surface Water Sump |
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| SWC | Surface Water Catchpit |
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| SWD | Surface Water Drain |
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| FSM | Foul Water Manhole |
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| SWS | Surface Water Sump |
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