

NOTES

© This drawing is the copyright of ARCH Associates Limited. It may not be copied, altered or reproduced without their written authority. This drawing must not be scaled. IF IN DOUBT ASK.

GENERAL NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS AND DETAILS.
- ALL FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
- ANY DISCREPANCIES BETWEEN THIS DRAWING AND OTHER INFORMATION IS TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF THE WORKS ON SITE.
- THE MAIN CONTRACTOR SHALL BE RESPONSIBLE FOR THE SETTING OUT AND ACCURACY OF ALL DIMENSIONS.
- THE CONTRACTOR IS TO ENSURE THE STABILITY AND STRUCTURAL INTEGRITY OF THE EXISTING PROPERTY AT ALL TIMES DURING WORKS AND IS TO BE RESPONSIBLE FOR ALL PROPPING AND SHORING AS REQUIRED.
- MAIN CONTRACTOR TO PROVIDE AND FIX SUITABLE BRACING AND PROPPING FOR ALL ELEMENTS IN THE TEMPORARY CONDITION DURING CONSTRUCTION STAGE, SUCH AS TO ENSURE STRUCTURE STABILITY AT ALL TIMES.
- IT IS THE CONTRACTORS SOLE RESPONSIBILITY FOR ASCERTAINING SAFE DISPOSAL OF ANY OFF-SITE EXCAVATED SPOIL, NO CLAIM RESULTING FROM ABNORMAL TIP REQUIREMENTS WILL BE ENTERTAINED.

DRAINAGE

- ALL MATERIALS AND WORKMANSHIP TO SEWERAGE SECTOR DESIGN AND CONSTRUCTION GUIDANCE DOCUMENT APPENDIX C APPROVED VERSION 2.1.
- ALL MATERIALS AND WORKMANSHIP TO COMPLY WITH BS EN 752-1: 2008
- WHEN USING VITRIFIED CLAY PIPEWORK WITH FLEXIBLE JOINTS, SUPERSTRENGTH SHALL BE USED. ALL ADOPTABLE WORKS SHALL USE V.C PIPEWORK. FOR NON-ADOPTED SYSTEM PVCU-SN4 CLASS PIPEWORK AND FITTINGS MAY BE SUBSTITUTED.
- CONCRETE ENCASEMENT, MINIMUM 150 BED AND HAUNCH, TO BE USED ON PIPEWORK UNDER ROADS WITH LESS THAN 1200 COVER TO CROWN UNLESS NOTED OR INDICATED OTHERWISE.
- UNLESS OTHERWISE STATED, ALL PIPEWORK TO BE BEDDED AND SURROUNDED IN 10mm SINGLE SIZE AGGREGATE UP TO 450mm DIAMETER. FOR LARGER PIPEWORK, 20mm SHALL BE USED.
- REFER TO MANHOLE SCHEDULE FOR SIZES, COVERS ETC.
- ALL MATERIALS TO COMPLY WITH THE RELEVANT BS-EN, LATEST EDITION, FOR PIPEWORK AND FITTINGS.
- UPON COMPLETION, ALL WORKS TO BE THOROUGHLY CLEANED BY FLUSHING.

CDM REGULATIONS 2015

ACTIVITY	HAZARD	CONTROL

NOTE: THE ABOVE ASSESSMENT RECORDS ONLY THOSE ELEMENTS CONSIDERED UNUSUAL, DIFFICULT TO MANAGE OR OUTSIDE OF THE ANTICIPATED EXPERTISE OF A COMPETENT CONTRACTOR

COLOURED
DRAWING

REQUEST A COLOURED COPY IF
THIS STAMP IS NOT RED

SURFACE WATER MANHOLE SCHEDULE							
REF.	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT	TYPE	MANHOLE SIZE	COVER CLASS AND SIZE	COMMENTS
S1	16.050	14.750	1.300	B	1500 DIA.	B125 / 600x600	HYDROBRAKE MANHOLE MAX. DISCHARGE RATE OF 11.8 LITRES PER SECOND.
S2	16.050	14.850	1.200	D	450 DIA.	B125 / 450x450	300mm SUMP
S3	16.170	15.050	1.120	D	450 DIA.	B125 / 450x450	300mm SUMP
S4	16.200	15.400	0.800	D	450 DIA.	B125 / 450x450	—
S5	16.100	15.000	1.100	D	450 DIA.	D400 / 450x450	300mm SUMP
S6	16.120	15.200	0.920	D	450 DIA.	D400 / 450x450	—
S7	16.100	15.330	0.770	D	450 DIA.	B125 / 450x450	—
S8	16.250	15.450	0.800	D	450 DIA.	B125 / 450x450	300mm SUMP
S9	16.250	15.550	0.700	D	450 DIA.	B125 / 450x450	300mm SUMP

FOUL WATER MANHOLE SCHEDULE							
REF.	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT	TYPE	MANHOLE SIZE	COVER CLASS AND SIZE	COMMENTS
F1	16.170	15.400	0.770	D	450 DIA.	B125 / 450x450	—
F2	16.270	15.520	0.750	D	450 DIA.	B125 / 450x450	—
F3	16.100	15.288	0.812	D	450 DIA.	B125 / 450x450	—
F4	16.120	15.310	0.810	D	450 DIA.	B125 / 450x450	—
F5	16.120	15.402	0.718	D	450 DIA.	D400 / 450x450	—
F6	16.120	15.425	0.695	D	450 DIA.	D400 / 450x450	—
F7	16.100	15.428	0.672	D	450 DIA.	B125 / 450x450	—
F8	16.130	15.450	0.680	D	450 DIA.	B125 / 450x450	—
F9	16.130	15.477	0.653	D	450 DIA.	B125 / 450x450	—
F10	16.130	15.497	0.633	D	450 DIA.	B125 / 450x450	—
F11	16.280	15.380	0.900	D	450 DIA.	B125 / 450x450	—
F12	16.280	15.340	0.940	D	450 DIA.	B125 / 450x450	—
F13	16.280	15.300	0.980	D	450 DIA.	B125 / 450x450	—
F14	16.280	15.520	0.760	D	450 DIA.	B125 / 450x450	—
F15	16.130	15.520	0.610	D	450 DIA.	B125 / 450x450	—

NOTE ALL COVER LEVELS SHOWN ARE APPROXIMATE ONLY. COVERS TO BE SET TO SUIT CAMBER / GRADIENT OF EXISTING AND PROPOSED SURFACES.

DRAINAGE LEGEND

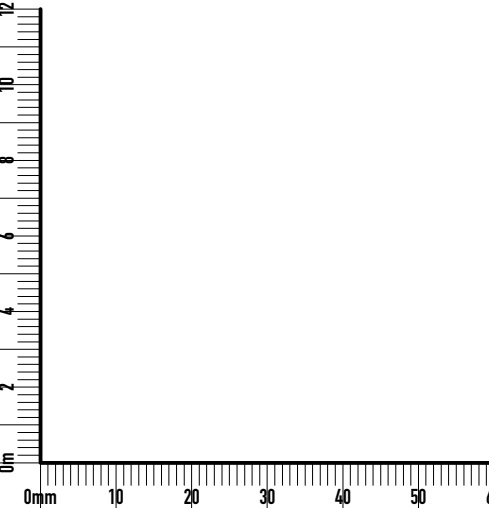
- EXISTING SURFACE / STORM WATER SEWER / MANHOLE
- EXISTING FOUL WATER SEWER / MANHOLE
- EXISTING FOUL WATER DRAIN AND MANHOLE TO BE ABANDONED. CONTRACTOR TO CONFIRM THAT NO LIVE CONNECTIONS REMAIN.
- S1 SURFACE WATER MANHOLE / INSPECTION CHAMBER / ACCESS CHAMBER (SEE SCHEDULE FOR DETAILS).
- CATCHPIT MANHOLE (SEE SCHEDULE FOR DETAILS).
- 100mm Dia. PVCu. SN4 STORM WATER DRAIN UNLESS NOTED OTHERWISE.
- RWP RAIN WATER DOWNPIPE (LOCATION AS ARCHITECTS DRGS).
- RGU ROAD GULLY (DEEP SEAL TRAP).
- RE RODDING EYE.
- YG YARD GULLY WITH 100 DIA. RODDABLE OUTLET.
- ATTENUATION TANK OUT OF PROPRIETARY MODULAR CRATE SYSTEM WRAPPED IN IMPERMEABLE GEOMEMBRANE AND PROTECTIVE GEOTEXTILE AND VENTED AS NECESSARY.
- ACO M100D DRAINAGE CHANNEL WITH 100 DIA. SUMP OUTLETS AND LOAD CLASS B125 COVERS.
- F1 FOUL WATER MANHOLE / INSPECTION CHAMBER / ACCESS CHAMBER (SEE SCHEDULE FOR DETAILS).
- 100mm Dia. PVCu. SN4 FOUL WATER DRAIN (U.N.O.).
- SVP SOIL VENT PIPE / STUB STACK (LOCATION AS ARCHITECTS DRGS).

SITE PLAN SHOWING PROPOSED DRAINAGE LAYOUT
(SCALE 1:200@A1)

ATTENUATION TANK OPERATION AND MAINTENANCE REQUIREMENTS		
MAINTENANCE SCHEDULE	REQUIRED ACTION	RECOMMENDED FREQUENCY
REGULAR MAINTENANCE	INSPECT AND IDENTIFY ANY AREAS THAT ARE NOT OPERATING CORRECTLY. IF REQUIRED TAKE REMEDIAL ACTION	MONTHLY FOR 3 MONTHS, THEN 6 MONTHLY.
	DEBRIS REMOVAL FROM CATCHMENT SURFACE (WHERE MAY CAUSE RISKS TO PERFORMANCE).	MONTHLY.
REMEDIAL ACTIONS	REMOVE SEDIMENT FROM PRE-TREATMENT STRUCTURES I.E. SILT TRAPS AND GULLIES.	ANNUALLY, OR AS REQUIRED.
	REPAIR / REHABILITATION OF INLETS, OUTLET, OVERFLOWS AND VENTS.	AS REQUIRED
MONITORING	INSPECT / CHECK ALL INLETS, OUTLETS, VENTS AND OVERFLOWS TO ENSURE THAT THEY ARE IN GOOD CONDITION AND OPERATING AS DESIGNED.	ANNUALLY AND AFTER LARGE STORMS

GENERAL SUDS OPERATION AND MAINTENANCE		
MAINTENANCE SCHEDULE	REQUIRED ACTION	FREQUENCY
REGULAR MAINTENANCE	REMOVE SEDIMENT AND DEBRIS FROM PRE-TREATMENT DEVICES AND FLOOR OF INSPECTION TUBE OR CHAMBER	ANNUALLY
	CLEANING OF ANY GUTTERS & ANY FILTERS ON DOWNPIPES	ANNUALLY
MONITORING	TRIMMING ANY ROOTS THAT MAY BE CAUSING BLOCKAGES	ANNUALLY (OR AS REQUIRED).
	INSPECT SILT TRAPS AND NOTE RATE OF SEDIMENT ACCUMULATION	MONTHLY IN THE FIRST YEAR AND THEN ANNUALLY

CHECK SCALE 1:200@A1 1/2@A3



CHECK SCALE 1:100@A1 1/2@A3