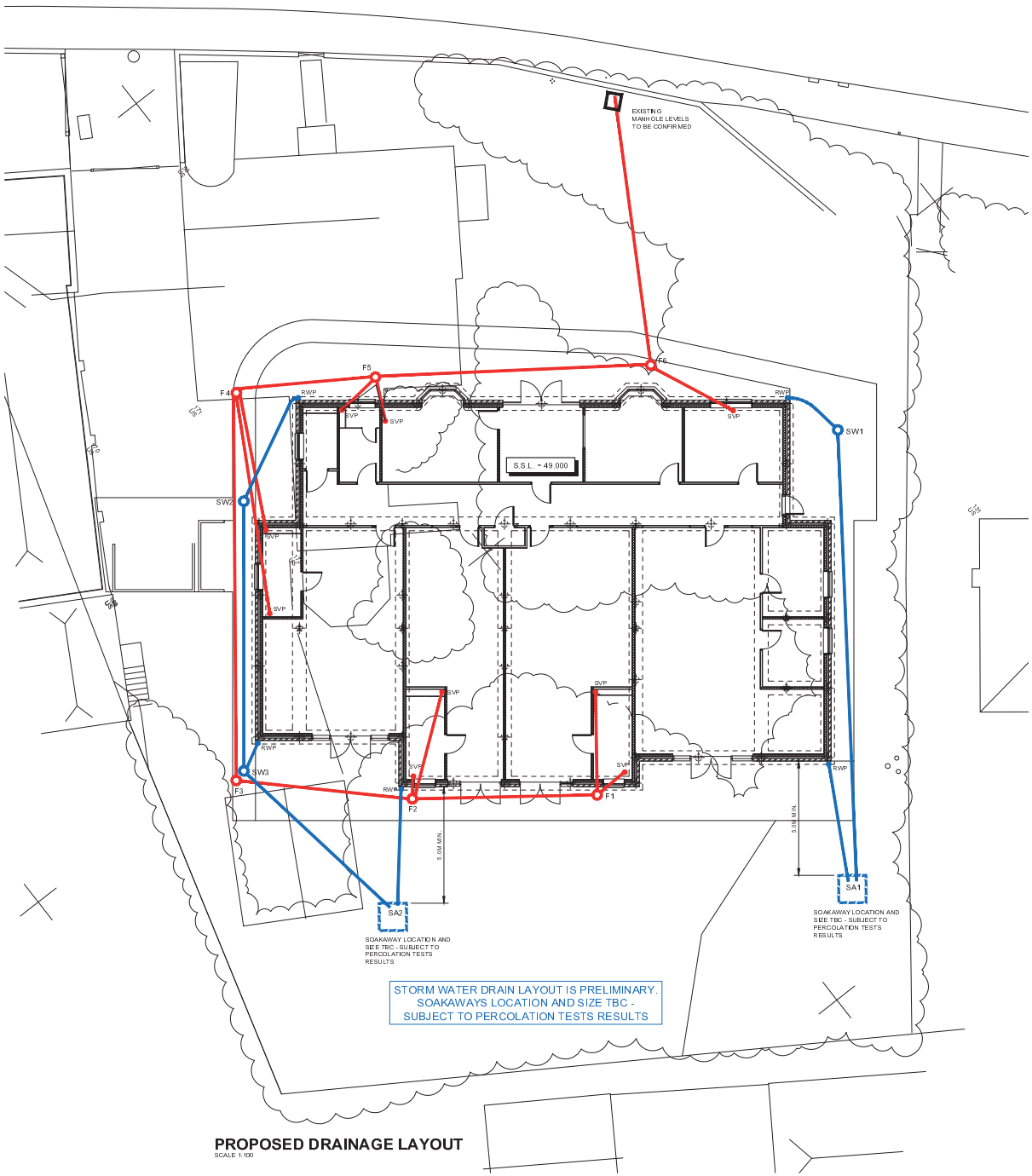


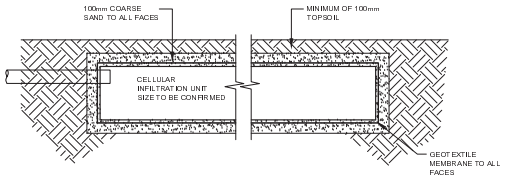
PROPOSED DRAINAGE LAYOUT
SCALE 1:100

MANHOLE SCHEDULE

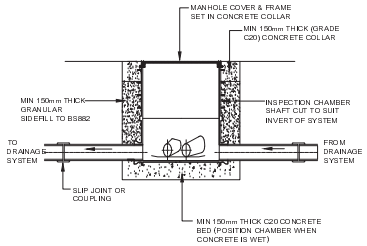
I.C. NUMBER	PIPE DIA.	FALL	INVERT LEVEL	CHAMBER TYPE	COVER TYPE	NOTES
F1	100mm	1 in 80	48.400	TYPE A	GRADE C	NO VEHICLE ACCESS
F2	100mm	1 in 80	48.300	TYPE A	GRADE C	NO VEHICLE ACCESS
F3	100mm	1 in 80	48.205	TYPE A	GRADE C	NO VEHICLE ACCESS
F4	100mm	1 in 80	47.990	TYPE A	GRADE C	NO VEHICLE ACCESS
F5	100mm	1 in 80	47910	TYPE A	GRADE C	NO VEHICLE ACCESS
F6	100mm	1 in 80	47.755	TYPE A	GRADE C	NO VEHICLE ACCESS
EXISTING MANHOLE	TBC	TBC	TBC	EXISTING	EXISTING	LEVELS TO BE CONFIRMED
SW1	100mm	1 in 80	48.400	TYPE A	GRADE C	NO VEHICLE ACCESS
SW2	100mm	1 in 80	48.400	TYPE A	GRADE C	NO VEHICLE ACCESS
SW3	100mm	1 in 80	48.255	TYPE A	GRADE C	NO VEHICLE ACCESS

SOAKAWAY SCHEDULE

NUMBER	INLET PIPE DIA.	INVERT LEVEL	SOAKAWAY TYPE	SIZE (LxWxD) IN METRES	UNDERSIDE LEVEL	NOTES
SA1	100mm	TBC	TBC	TBC	TBC	
SA2	100mm	TBC	TBC	TBC	TBC	



CELLULAR SOAKAWAY SECTION
NOT TO SCALE



TYPE A MANHOLE
NOT TO SCALE

NOTES

ALL STRUCTURAL ENGINEERS DRAWINGS AND DETAILS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTS, SPECIALISTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.

DRAINAGE NOTES :-

MINIMUM FALL TO 100mm Ø DRAINS TO BE 1 IN 80 OR AS SHOWN

PIPES LESS THAN 900mm BELOW GROUND TO BE BEDDED AND ENCASED IN 150mm THICK MASS CONCRETE.

PIPES WITH LESS THAN 200mm COVER BELOW ROAD TO BE ENCASED IN 100mm REINFORCED CONCRETE BED AND SURROUND.

PIPES GENERALLY TO BE UPVC ENCASED IN A MINIMUM OF 100mm PEA SHINGLE SURROUND.

ALL WORKS TO BS8301 AND IN ACCORDANCE WITH THE BUILDING REGULATIONS.

BENDS UNDER SVP STACKS TO BE AS LARGE AS PRACTICAL, BUT 200mm MINIMUM RADIUS. THE BOTTOM OF THE BEND TO BE AT LEAST 750mm BELOW THE LOWEST DISCHARGE PIPE CONNECTION.

MANHOLES / INSPECTION CHAMBERS.
TYPE A - 450ød UPVC

MANHOLE / INSPECTION CHAMBER COVERS AND FRAMES TO BE :-
GRADE C - WHERE INACCESSIBLE TO VEHICLES
GRADE B CLASS 2 - DRIVEWAYS

LEGEND

100mm Ø FOUL WATER DRAIN
100mm Ø SURFACE WATER DRAIN
FOUL WATER F1
SURFACE WATER SW1
INSPECTION CHAMBERS
SOAKAWAY SA1
SOAKAWAYS LOCATION AND SIZE TBC - SUBJECT TO PERCOLATION TESTS RESULTS
BACK INLET GULLEY G
SOIL VENT PIPE SVP
RAIN WATER PIPE RWP
EXISTING DRAIN

PRELIMINARY

rev.	date	description
P5	28.03.2019	routed to different existing manholes
P4	20.03.2019	outline issued
P3	05.11.2018	LAYOUT UPDATED
P2	16.10.2018	UPDATED TO SUIT ARCHITECT'S LAYOUT
P1	15.10.2018	ISSUED FOR INFORMATION

CLIENT
WOODBERRY DAY NURSERIES

PROJECT
DAY NURSERY
208 LONDON ROAD
WATERLOOVILLE, PO7 7AN

DRAWING TITLE
PROPOSED
DRAINAGE LAYOUT

THE STABLES
REAR OF 60 THE AVENUE
SOUTHAMPTON
SO17 1XS
Tel. No. 023 8072 0780
Fax No. 023 8072 0788
WRD Engineers Ltd.
Chartered Civil & Structural Engineers

date	drawn	checked	approved
OCT'18	RK	AN	AN
scale		revision	
AS SHOWN		P5	

drg. no.
WRDEL \ 69603 \500

ORIGINAL DRAWING SIZE = A1 - 841mmx594mm