

SURFACE WATER MANHOLE SCHEDULE							
REF	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT	SIZE	TYPE	COVER	COMMENTS
S1	10.400	9.73	0.670	TO ACO DETAIL	ACO Q CHAMBER	TO ACO DETAIL	ACO Q FLOW CONTROL @ 2 L/S
S2	10.585	9.84	0.745	450ø	TYPE 3	A15 450x450	
S3	10.585	9.85	0.735	450ø	TYPE 3	A15 450x450	
S4	10.585	9.85	0.735	450ø	TYPE 3	A15 450x450	
S5	10.585	9.86	0.725	450ø	TYPE 3	A15 450x450	CATCHPIT MANHOLE
S6	10.585	9.870	0.715	450ø	TYPE 3	A15 450x450	
S7	10.585	9.880	0.705	450ø	TYPE 3	A15 450x450	CATCHPIT MANHOLE
S8	10.585	9.890	0.695	450ø	TYPE 3	A15 450x450	CATCHPIT MANHOLE
S9	10.685	9.900	0.785	450ø	TYPE 3	A15 450x450	CATCHPIT MANHOLE
S10	10.685	9.910	0.775	450ø	TYPE 3	A15 450x450	CATCHPIT MANHOLE
S11	10.685	9.910	0.775	450ø	TYPE 3	A15 450x450	
S12	10.600	9.920	0.680	450ø	TYPE 3	D400 450x450	
S13	10.600	9.930	0.670	450ø	TYPE 3	A15 450x450	
S14	10.600	9.940	0.660	450ø	TYPE 3	A15 450x450	
S15	10.600	9.990	0.610	450ø	TYPE 3	A15 450x450	CATCHPIT MANHOLE
S16	10.600	10.100	0.500	450ø	TYPE 3	A15 450x450	
S17	10.585	9.985	0.600	450ø	TYPE 3	A15 450x450	
S18	10.585	9.910	0.675	450ø	TYPE 3	A15 450x450	CATCHPIT MANHOLE
S19	10.692	10.040	0.652	450ø	TYPE 3	C250 450x450	
S20	10.585	10.090	0.495	450ø	TYPE 3	A15 450x450	
S21	10.585	9.930	0.655	450ø	TYPE 3	A15 450x450	
S22	10.692	10.060	0.632	450ø	TYPE 3	C250 450x450	
S23	10.585	10.110	0.475	450ø	TYPE 3	A15 450x450	
S24	10.685	9.935	0.750	450ø	TYPE 3	A15 450x450	
S25	10.792	10.075	0.717	450ø	TYPE 3	C250 450x450	
S26	10.685	10.125	0.560	450ø	TYPE 3	A15 450x450	
S27	10.685	9.935	0.750	450ø	TYPE 3	A15 450x450	
S28	10.810	10.075	0.735	450ø	TYPE 3	C250 450x450	
S29	10.685	10.125	0.560	450ø	TYPE 3	A15 450x450	
S30	10.700	9.970	0.730	450ø	TYPE 3	B125 450x450	CATCHPIT MANHOLE
S31	10.600	9.980	0.620	450ø	TYPE 3	A15 450x450	CATCHPIT MANHOLE
S32	10.600	10.100	0.500	450ø	TYPE 3	A15 450x450	
S33	10.500	9.860	0.640	450ø	TYPE 3	D400 450x450	
S34	10.825	9.880	0.945	450ø	TYPE 3	A15 450x450	
S35	10.765	9.890	0.875	450ø	TYPE 3	A15 450x450	CATCHPIT MANHOLE
S36	10.700	10.000	0.700	450ø	TYPE 3	B125 450x450	
S37	10.700	10.050	0.650	450ø	TYPE 3	A15 450x450	CATCHPIT MANHOLE
S38	10.700	10.100	0.600	450ø	TYPE 3	A15 450x450	
S39	10.700	10.200	0.500	450ø	TYPE 3	A15 450x450	
S40	10.700	9.900	0.800	450ø	TYPE 3	A15 450x450	
S41	10.700	10.180	0.520	450ø	TYPE 3	A15 450x450	CATCHPIT MANHOLE
S42	10.700	10.180	0.520	450ø	TYPE 3	A15 450x450	
S43	10.700	10.320	0.380	450ø	TYPE 3	A15 450x450	
S44	10.700	9.950	0.750	450ø	TYPE 3	A15 450x450	
S45	10.745	9.97	0.775	450ø	TYPE 3	A15 450x450	
S46	10.745	9.980	0.765	450ø	TYPE 3	A15 450x450	CATCHPIT MANHOLE
S47	10.745	9.990	0.755	450ø	TYPE 3	A15 450x450	CATCHPIT MANHOLE
S48	10.745	10.000	0.745	450ø	TYPE 3	A15 450x450	CATCHPIT MANHOLE
S49	10.745	10.275	0.470	450ø	TYPE 3	A15 450x450	CATCHPIT MANHOLE
S50	10.745	10.345	0.400	450ø	TYPE 3	A15 450x450	
S51	10.745	10.010	0.735	450ø	TYPE 3	A15 450x450	
S52	10.798	10.136	0.662	450ø	TYPE 3	A15 450x450	
S53	10.745	10.187	0.558	450ø	TYPE 3	A15 450x450	
S54	10.745	10.036	0.709	450ø	TYPE 3	A15 450x450	
S55	10.798	10.136	0.662	450ø	TYPE 3	C250 450x450	
S56	10.745	10.187	0.558	450ø	TYPE 3	A15 450x450	
S57	10.745	10.060	0.685	450ø	TYPE 3	A15 450x450	
S58	10.798	10.136	0.662	450ø	TYPE 3	C250 450x450	
S59	10.745	10.187	0.558	450ø	TYPE 3	A15 450x450	
S60	10.600	10.025	0.575	450ø	TYPE 3	D400 450x450	CATCHPIT MANHOLE
S61	10.600	10.000	0.600	450ø	TYPE 3	A15 450x450	CATCHPIT MANHOLE
S62	10.550	9.800	0.750	450ø	TYPE 3	D400 450x450	
S63	10.600	10.000	0.600	450ø	TYPE 3	D400 450x450	CATCHPIT MANHOLE

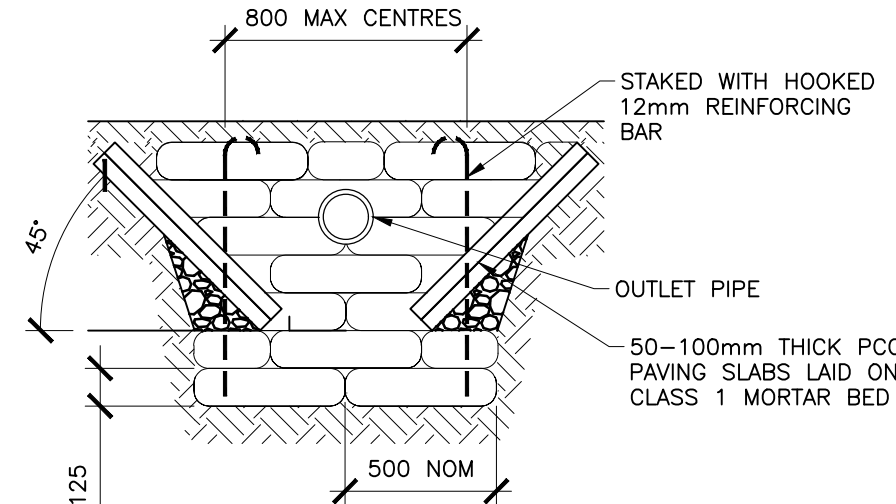
FOUL MANHOLE SCHEDULE							
REF	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT	SIZE	TYPE	COVER	COMMENTS
F1	10.700	8.495	2.205	450ø	TYPE 3	A15 450x450	
F1ø	10.600	8.657	1.943	450ø	TYPE 3	D400 450x450	
F2	10.740	8.772	1.968	450ø	TYPE 3	D400 450x450	
F3	10.800	8.994	1.806	450ø	TYPE 3	D400 450x450	
F4	10.700	9.203	1.497	450ø	TYPE 3	D400 450x450	
F5	10.750	9.277	1.473	450ø	TYPE 3	D400 450x450	
F6	10.750	9.400	1.350	450ø	TYPE 3	D400 450x450	
F7	NOT REQUIRED						
F8	10.600	9.913	0.687	450ø	TYPE 3	A15 450x450	

SOAKAWAYS OPERATION AND MAINTENANCE REQUIREMENTS		
MAINTENANCE SCHEDULE	REQUIRED ACTION	TYPICAL FREQUENCY
REGULAR MAINTENANCE	INSPECT FOR SEDIMENT AND DEBRIS IN PRE-TREATMENT COMPONENTS AND FLOOR OF INSPECTION TUBE OR CHAMBER AND INSIDE OF CONCRETE MANHOLE RINGS	ANNUALLY
	CLEANING OF GUTTERS AND ANY FILTERS ON DOWNPIPES	ANNUALLY (OR AS REQUIRED BASED ON INSPECTIONS)
	TRIMMING ANY ROOTS THAT MAY BE CAUSING BLOCKAGES	ANNUALLY (OR AS REQUIRED)
OCCASIONAL MAINTENANCE	REMOVE SEDIMENT & DEBRIS FROM PRE-TREATMENT COMPONENTS AND FLOOR OF INSPECTION TUBE OR CHAMBER AND INSIDE OF CONCRETE MANHOLE RINGS	AS REQUIRED, BASED ON INSPECTION
REMEDIAL ACTIONS	RECONSTRUCT SOAKAWAY AND/OR REPLACE OR CLEAN VOID FILL, IF PERFORMANCE DETERIORATES OR FAILURE OCCURS	AS REQUIRED
	REPLACEMENT OF CLOGGED GEOTEXTILE (WILL REQUIRE RECONSTRUCTION OF SOAKAWAY)	AS REQUIRED
MONITORING	INSPECT SILT TRAPS AND NOTE RATE OF SEDIMENT ACCUMULATION	MONTHLY IN THE FIRST YEAR AND THEN ANNUALLY
	CHECK SOAKAWAY TO ENSURE EMPTYING IS OCCURRING	ANNUALLY

CDM REGULATIONS 2015		
ARCH ASSOCIATES HAVE CONSIDERED AND, WHERE REASONABLY PRACTICABLE, AVOIDED FORESEEABLE RISKS IN THE PREPARATION OF THE DESIGN SHOWN ON THIS AND RELATED DRAWINGS. SIGNIFICANT RISKS WHICH REMAIN AND ASSOCIATED CONTROL MEASURES ARE IDENTIFIED BELOW AND SHOULD BE GIVEN PARTICULAR ATTENTION BY THE MAIN CONTRACTOR ON SITE.		
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		

- NOTES
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- 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.

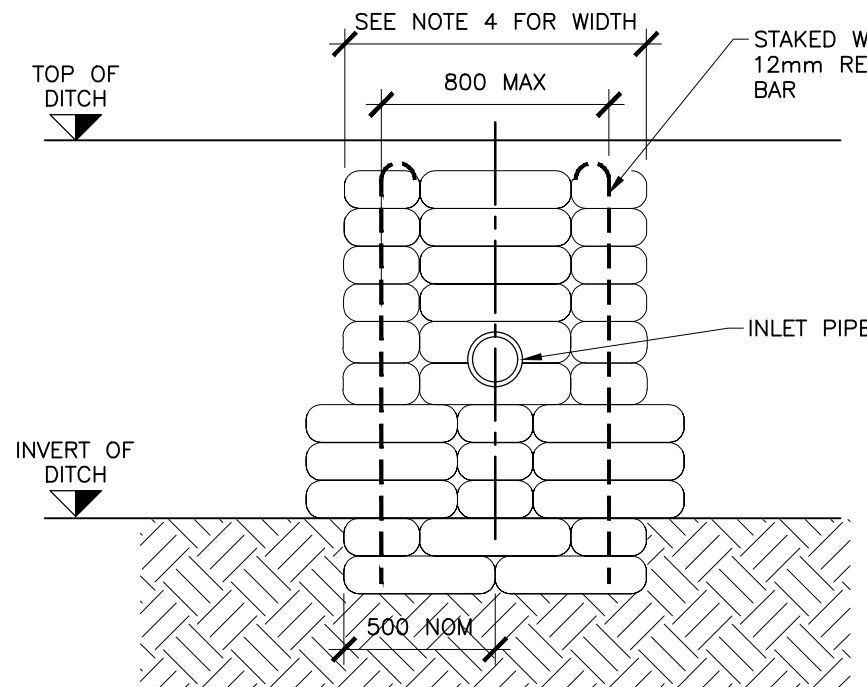
SUDS OPERATION & MAINTENANCE		
GENERAL		
MAINTENANCE SCHEDULE	REQUIRED ACTION	FREQUENCY
REGULAR MAINTENANCE	REMOVE SEDIMENT & DEBRIS FROM PRE-TREATMENT DEVICES & FLOOR OF INSPECTION TUBE OR CHAMBER	ANNUALLY
	CLEANING OF ANY GUTTERS & ANY FILTERS ON DOWNPIPES	ANNUALLY
	TRIMMING ANY ROOTS THAT MAY BE CAUSING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



ELEVATION OF HEADWALL OUTLET INTO & OUT OF POND (WITH SUMP)
(1:25)

HEADWALL NOTES.

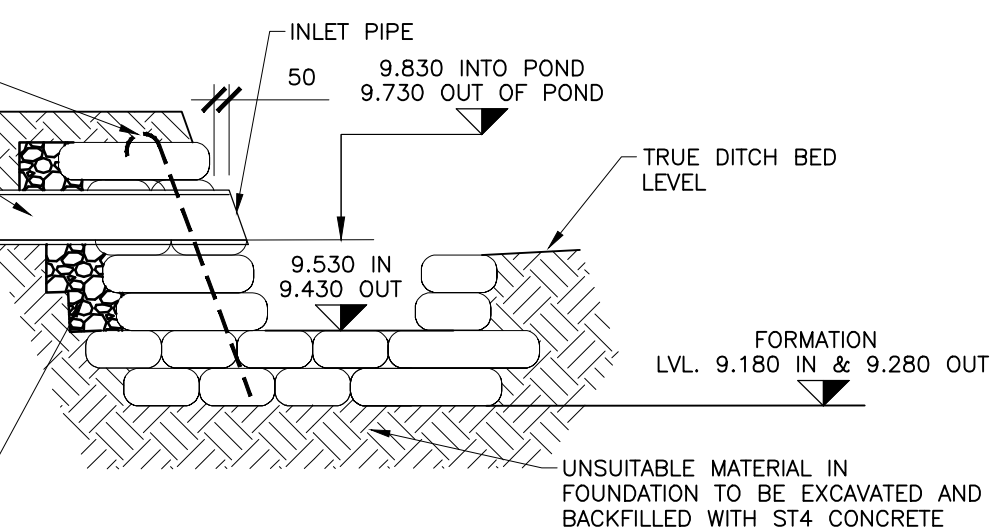
- BAGS SHALL BE OF HESSIAN OR CANVAS AND SHALL BE OF A SIZE TO PROVIDE A WALL THICKNESS OF 500mm.
- CONCRETE BAGWORK TO BE THREE QUARTER FILLED WITH 25mm SLUMP ST4 CONCRETE IMMEDIATELY PRIOR TO PLACING WITH THE ENDS SEWN.
- THE BAGS SHALL BE PLACED IN A MODIFIED FLEMISH BOND SO AS TO BREAK JOINT WITH THE MOUTHS AWAY FROM THE SURFACE AND BE TAMPED INTO POSITION TO FORM A RECTANGULAR BLOCK.
- EXTENT OF OUTLET PROTECTION TO BE THE GREATER OF 1500mm OR PIPE DIAMETER + 1200mm SPANNING THE OUTLET PIPE.



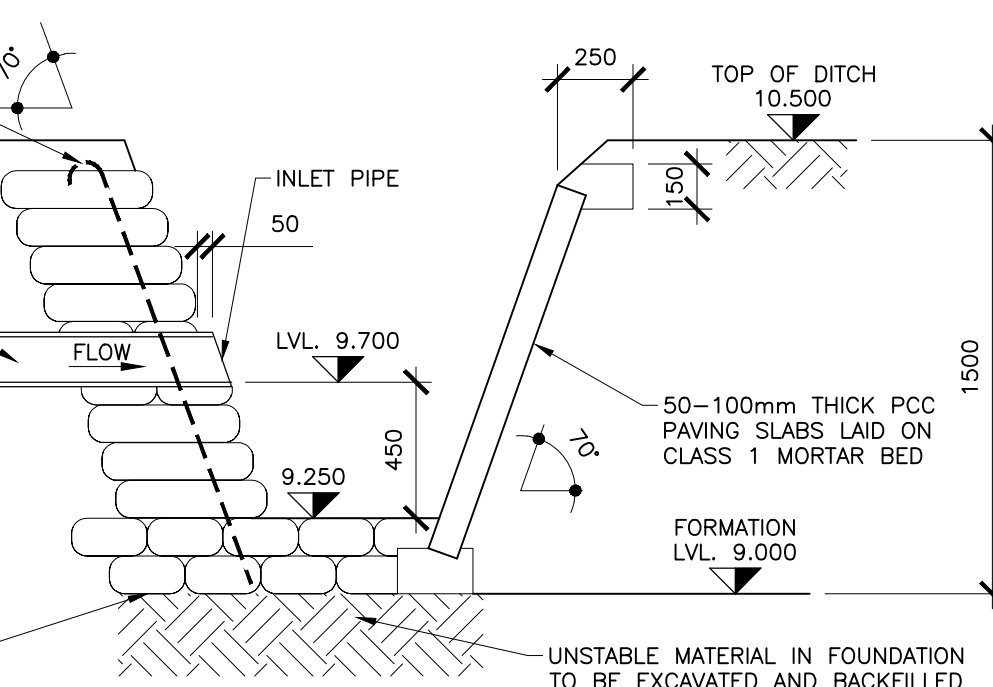
ELEVATION OF HEADWALL OUTFALL FROM POND TO SIDE OF DITCH
(1:25)

HEADWALL DETAIL 'A'
(1:25)

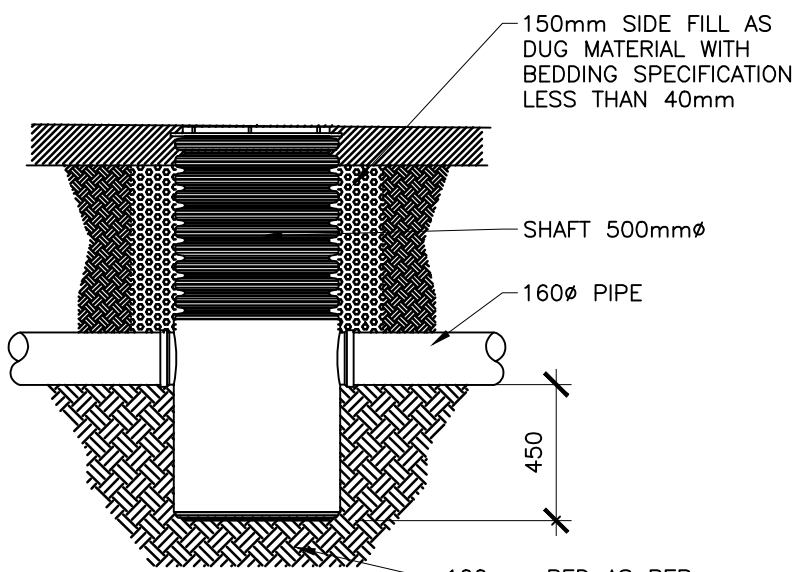
HEADWALL DETAIL 'B'
(1:25)



HEADWALL SECTION INTO & OUT OF POND (WITH SUMP)
(1:25)



HEADWALL SECTION OUTFALL FROM POND TO SIDE OF DITCH
(1:25)



SILT TRAP DETAIL
(1:25)

Revision	Date	Description	By
P7	13.08.20	UPDATED/DETAILS ADDED AS REQUESTED BY DRAINAGE ENGINEEG.	PJM
P6	17.07.20	S18 CATCHPIT ADDED & S1 AMENDED	CH
P5	03.10.19	SURFACE WATER AMENDS	CH
P4	11.09.19	DRAWING TITLE AMENDED.	PJM
P3	01.08.19	F7 REMOVED, F1 TO F6 UPDATED	JH
P2	19.07.19	PRELIMINARY ISSUE FOR COMMENT	PJM
P1	15.07.19	PRELIMINARY ISSUE FOR COMMENT	PJM

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Client	MAPLEDEAN PROJECTS LIMITED
Architect	

Project Title	HOOK LANE, ALDINGBOURNE, WEST SUSSEX.
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Drawing Title

DRAINAGE AND ROAD DETAILS
SHEET 1

Scale	Paper	Size	Date	Drawn By	Checked By
AS SHOWN	A1	JULY	2019	PJM	CH

Project No.	Drawing No.	Revision
AAL156	551	P7

