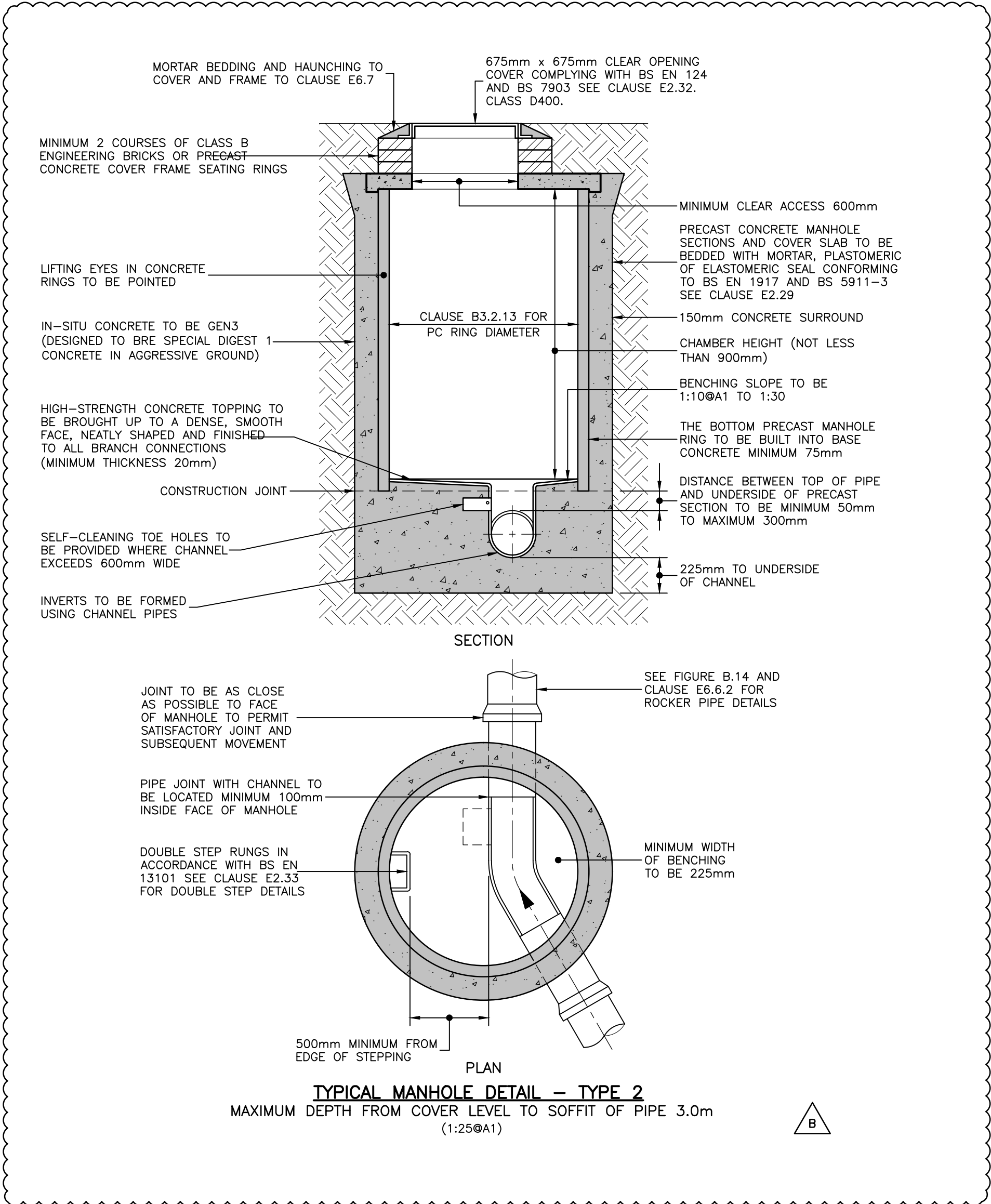


OPERATION AND MAINTENANCE REQUIREMENTS FOR PERMEABLE PAVING		
MAINTENANCE SCHEDULE	REQUIRED ACTION	TYPICAL FREQUENCY
REGULAR MAINTENANCE	BRUSHING AND VACUUMING (STANDARD COSMETIC SWEEP OVER WHOLE SURFACE)	ONCE A YEAR, AFTER AUTUMN LEAF FALL, OR REDUCED FREQUENCY AS REQUIRED, BASED ON SITE-SPECIFIC OBSERVATIONS OF CLOGGING OR MANUFACTURER'S RECOMMENDATIONS – PAY PARTICULAR ATTENTION TO AREAS WHERE WATER RUNS ONTO PERVIOUS SURFACE FROM ADJACENT IMPERMEABLE AREAS AS THIS AREA IS MOST LIKELY TO COLLECT THE MOST SEDIMENT
OCCASIONAL MAINTENANCE	STABILISE AND MOW CONTRIBUTING AND ADJACENT AREAS	AS REQUIRED
	REMOVAL OF WEEDS OR MANAGEMENT USING GLYPHOSATE APPLIED DIRECTLY INTO THE WEEDS BY AN APPLICATOR RATHER THAN SPRAYING	AS REQUIRED – ONCE PER YEAR ON LESS FREQUENTLY USED PAVEMENTS
REMEDIAL ACTIONS	REMEDiate ANY LANDSCAPING WHICH, THROUGH VEGETATION MAINTENANCE OR SOIL SLIP, HAS BEEN RAISED TO WITHIN 50mm OF THE LEVEL OF THE PAVING	AS REQUIRED
	REMEDIAL WORK TO ANY DEPRESSIONS, RUTTING AND CRACKED OR BROKEN BLOCKS CONSIDERED DETRIMENTAL TO THE STRUCTURAL PERFORMANCE OR A HAZARD TO USERS, AND REPLACE LOST JOINTING MATERIAL	AS REQUIRED
	REHABILITATION OF SURFACE AND UPPER SUB-STRUCTURES BY REMEDIAL SWEEPING	EVERY 10 TO 15 YEARS OR AS REQUIRED (IF INFILTRATION PERFORMANCE IS REDUCED DUE TO SIGNIFICANT CLOGGING)
MONITORING	INITIAL INSPECTION	MONTHLY FOR THREE MONTHS AFTER INSTALLATION
	INSPECT FOR EVIDENCE OF POOR OPERATION AND/OR WEED GROWTH – IF REQUIRED, TAKE REMEDIAL ACTION	THREE-MONTHLY, 48 HOURS AFTER LARGE STORMS IN FIRST SIX MONTHS
	INSPECT SILT ACCUMULATION RATES AND ESTABLISH APPROPRIATE BRUSHING FREQUENCIES	ANNUALLY
	MONITOR INSPECTION CHAMBERS	ANNUALLY

SUDS OPERATION & MAINTENANCE		
MODULAR ATTENUATION TANK		
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.
	CHECK THE FLOW CONTROL IN THE CONTROL MANHOLE IS NOT BLOCKED. ONE INSPECTION SHOULD BE SCHEDULED TO OCCUR AFTER TREE LEAF FALL IN AUTUMN.	TWICE YEARLY.
	CLEAR THE SILT TRAPS LOCATED PRIOR TO THE ATTENUATION TANK OF SILT AND DEBRIS. ONE CLEARANCE SHOULD BE SCHEDULED TO OCCUR AFTER TREE LEAF FALL IN AUTUMN.	TWICE YEARLY.
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.

FOUL MANHOLE SCHEDULE							
REF	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT	SIZE	TYPE	COVER	COMMENTS
F1	48.550	47.000	1.550	450#	TYPE 3	B125 450x450	RESTRICTED ACCESS 350#
F2	48.650	47.080	1.570	450#	TYPE 3	B125 450x450	RESTRICTED ACCESS 350#
F3	48.650	47.110	1.540	450#	TYPE 3	B125 450x450	RESTRICTED ACCESS 350#
F4	48.100	47.140	0.960	450#	TYPE 3	B125 450x450	
F5	47.850	47.220	0.630	450#	TYPE 3	C250 450x450	
F6	48.350	47.360	0.990	450#	TYPE 3	C250 450x450	
F7	48.550	47.450	1.100	450#	TYPE 3	C250 450x450	
F8	48.600	47.250	1.350	450#	TYPE 3	B125 450x450	RESTRICTED ACCESS 350#
F9	48.550	47.350	1.200	450#	TYPE 3	B125 450x450	
F10	48.600	47.440	1.160	450#	TYPE 3	B125 450x450	
F11	48.400	47.550	0.850	450#	TYPE 3	B125 450x450	
F0	48.300	46.830	1.470	1200# PCC	TYPE 2	D400 675x675	TO BE ADOPTED

SURFACE WATER MANHOLE SCHEDULE							
REF	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT	SIZE	TYPE	COVER	COMMENTS
S1	47.700	46.000	1.700	450#	TYPE 3	C250 450x450	
S2	48.300	46.200	2.100	1200#	PCC	C250 600x600	HYDROBRAKE MANHOLE
S3	48.300	46.500	1.800	450#	TYPE 3	C250 450x450	SILT TRAP 300# DEEP SUMP
S4	47.800	47.000	0.800	450#	TYPE 3	C250 450x450	
S5	47.860	47.200	0.660	450#	TYPE 3	B125 450x450	
S0	47.730	45.610	2.120	1200# PCC	TYPE 2	D400 675x675	TO BE ADOPTED



NOTES

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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.

CDM REGULATIONS 2015

RUSHBY BREWSTER 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 EXPERIENCE OF A COMPETENT CONTRACTOR		

B	14/03/16	MANHOLE DETAIL ADDED. TABLES UPDATED.	PJM
A	29/02/16	ISSUED FOR CONSTRUCTION.	PJM
P2	26/11/15	F3 & F4 – LEVELS AMENDED.	PJM
P1	20/11/15	PRELIMINARY ISSUE FOR COMMENT	PJM
Mk	Date	Revision	By

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Client
PMC CONSTRUCTION
Architect
KENN SCADDEN ASSOCIATES
Project Title
9–11 ST GEORGES WALK WATERLOOVILLE

Drawing Title

DRAINAGE DETAILS SHEET 2

Scale	Paper Size	Date	Drawn by	Chkd. by
AS SHOWN	A1	NOV. 2015	PJM	ARW
Project No.	Drawing No.	Rev.		
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