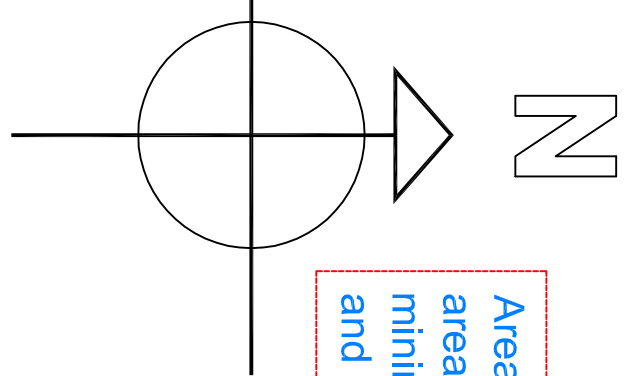


Area within red line is extent of area required for soakaways minimum 5m from buildings and 2.5m from boundaries



FIRE STATION

Link pipes between soakaways are to be surrounded with a minimum of 100mm concrete. Provide 250 dia access chamber to each link pipe.

1000lg x 500w x 400dp AquaCell ECO unit

Soakaway - 88 total units

1000lg x 500w x 400dp AquaCell ECO unit

Soakaway - 60 total units

Link pipes between soakaways are to be surrounded with a minimum of 100mm concrete. Provide 250 dia access chamber to each link pipe.

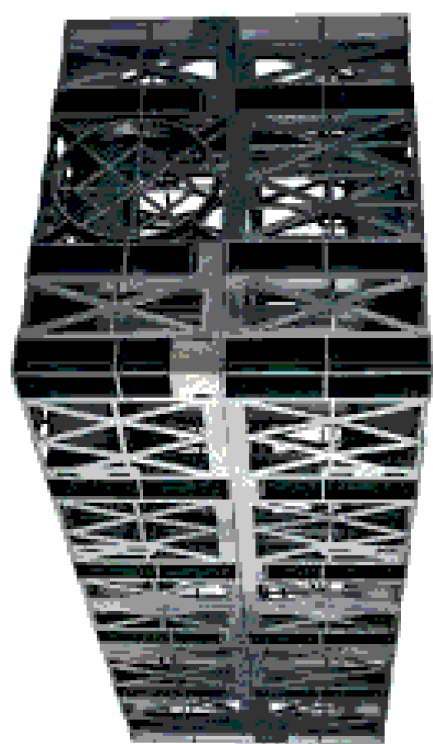
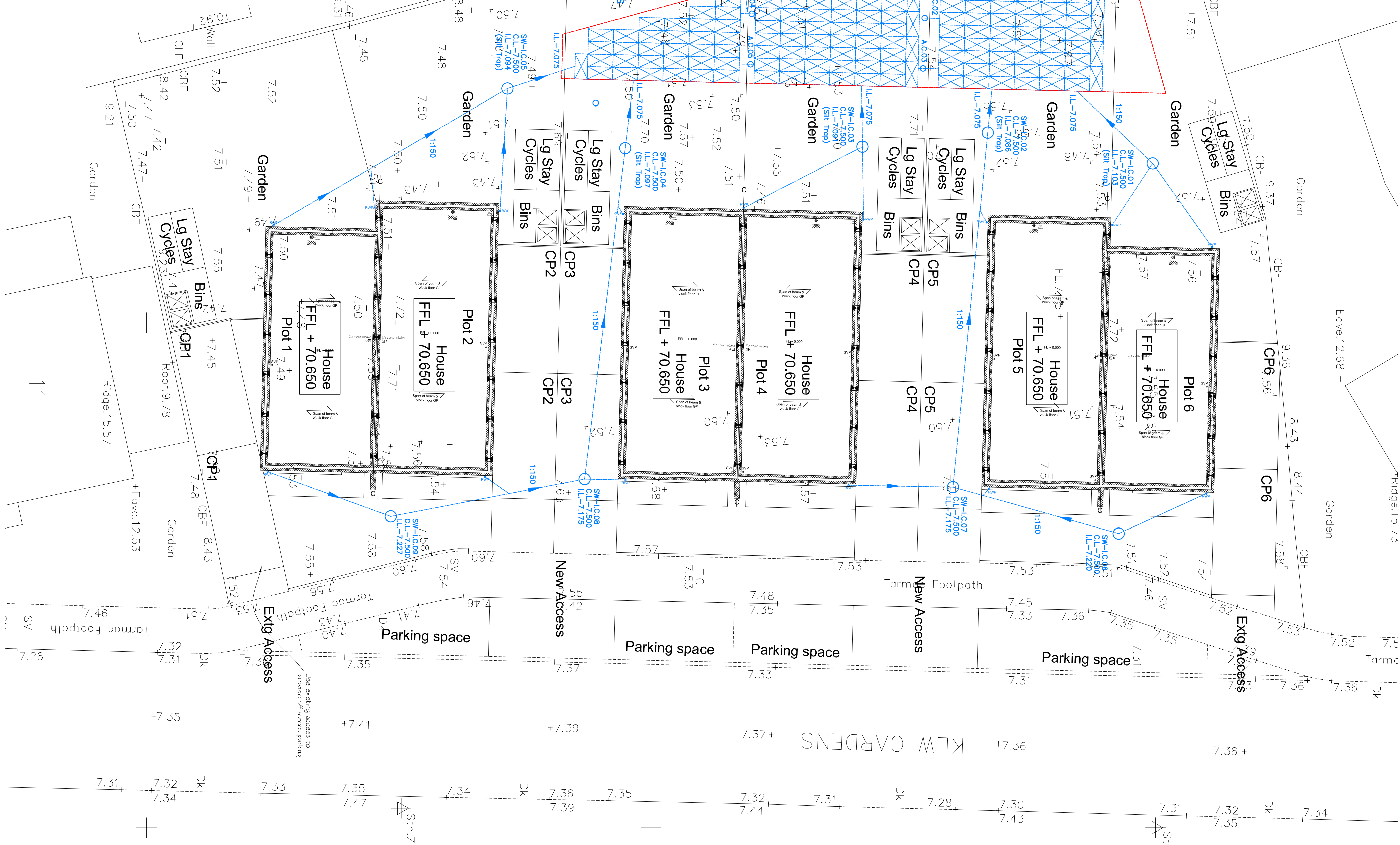
1000lg x 500w x 400dp AquaCell ECO unit

Soakaway - 32 total units

Note:
The soakaways must not be subjected to additional loading at any time. Construction plant, including mechanical equipment must be avoided in the soakaway areas and the backfilling of the soakaways must be carried out by hand.

INSPECTION CHAMBER SCHEDULE

REF	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH (mm)	SIZE (int. dim.)	CHAMBER COVER TYPE
SW-I.C.01	7.500	7.103	397	450mmø UPVC Chamber	Silt Trap Grade A
SW-I.C.02	7.500	7.086	414	450mmø UPVC Chamber	Silt Trap Grade A
SW-I.C.03	7.500	7.091	409	450mmø UPVC Chamber	Silt Trap Grade A
SW-I.C.04	7.500	7.097	403	450mmø UPVC Chamber	Silt Trap Grade A
SW-I.C.05	7.500	7.094	406	450mmø UPVC Chamber	Silt Trap Grade A
SW-I.C.06	7.500	7.220	280	450mmø UPVC Chamber	Type A Grade A
SW-I.C.07	7.500	7.175	325	450mmø UPVC Chamber	Type B Grade B
SW-I.C.08	7.500	7.175	325	450mmø UPVC Chamber	Type B Grade B
SW-I.C.09	7.500	7.227	273	450mmø UPVC Chamber	Type A Grade A



Provide 3no. soakaways with total area equivalent to a 18m long x 5m wide x 0.4m deep soakaway. Soakaways connected together with 100 dia pipes.

1000lg x 500w x 400dp AquaCell ECO unit

Soakaway - 180 total units

AquaCell ECO Soakaway unit.

Coarse sand or non-regular granular bed and surround.

Top: min. 300mm below G.L. (7.200)

Excavate to sand layer at 1100 bgl and infill with coarse gravel.

Soakaway to be located below rear grass area with NO DIG restriction to this area.

Non-woven geotextile membrane surround to AquaCell ECO unit.

Note: soakaway to be located a minimum 5.0m away from building footings.

Inlet pipe.

Underside: min. 700mm below G.L. (6.800)

Sand layer: 1100mm below G.L.

Standing Water Level: 1250mm below G.L.

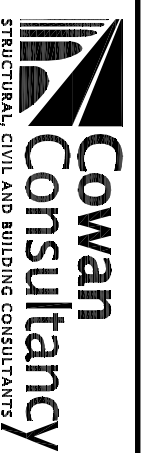
TYPICAL SECTION
STORM WATER SOAKAWAY DETAIL
1:20

ACCESS CHAMBER SCHEDULE

REF	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH (mm)	SIZE (int. dim.)	CHAMBER COVER TYPE
SW-A.C.01	7.500	7.100	400	225mmø UPVC Chamber	Type A Grade A
SW-A.C.02	7.500	7.100	400	225mmø UPVC Chamber	Type A Grade A
SW-A.C.03	7.500	7.100	400	225mmø UPVC Chamber	Type A Grade A
SW-A.C.04	7.500	7.100	400	225mmø UPVC Chamber	Type A Grade A
SW-A.C.05	7.500	7.100	400	225mmø UPVC Chamber	Type A Grade A

- ### NOTES
- This drawing has been prepared using information supplied by the client in AutoCAD format.
 - This drawing is to be read in conjunction with all relevant Engineers' and Architects' drawings and specifications.
 - All dimensions are in millimetres unless noted otherwise. All levels are in metres.
 - In accordance with The Construction (Design and Management) Regulations 2015 (CDM 2015) the Principle Designer and Contractor are to:
 - Notify HSE of works.
 - Comply with the requirements of Health and Safety Plan (if applicable)
 - Provide risk assessments and method statements for all potential hazards relevant to this project.
 - The main contractor shall be responsible for the setting out and accuracy of all dimensions. He shall satisfy himself that the information given is correct and any discrepancies should be noted to the Engineer immediately.
 - DO NOT SCALE. If discrepancy or query arises on dimensions consult Engineer.
 - The Contractor is responsible for specifying product and codes and ordering of drainage materials.
 - All UPVC drainage to be installed to BS5955 P16 and in strict accordance with the manufacturers instructions.
 - All UPVC drainage pipes within development site to be 100mm dia unless shown otherwise.
 - Cover grades are in accordance with BS497 Pt 1
 - Cover Grades : D400 – carriageways, B125 – footpaths, A15 – inaccessible to vehicles

PRELIMINARY



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Project NEW DEVELOPMENT, 15-17 KEW GARDENS,
BOGNOR REGIS, WEST SUSSEX.

Title
STORM DRAINAGE AND
SOAKAWAY DETAILS

Date	JAN 2020	Scale	AS SHOWN @ A1	Dwg. No.	
Drawn	CMW	Chk'd	TB	Iss'd	DJB
					414504/201P2