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Dimensions must be checked on site and not scaled from this drawing.

GENERAL NOTES

1. This drawing is to be read in conjunction with all relevant Architects, Engineers, Specialist Sub-Contractors drawings and the specification.

2. All setting out to be in accordance with the Architects drawings and any discrepancies between the Engineers and Architects drawings to be referred to the Architect before proceeding. Dimensions MUST NOT be scaled.

3. All work is to comply with current requirements of the Building Regulations & allied legislation whether referred to or not.

4. All materials should be used in compliance with the appropriate manufacturers recommendations.

5. The Contractor & Sub-Contractors must ensure that they have the latest issued drawings and details before commencing the relevant work.

6. Main Contractor to provide and fit suitable bracing and propping for all elements in the temporary condition during the construction stage, such as to ensure structural stability at all times.

DRAINAGE NOTES

1. All work to be in accordance with BS EN 752, BS 4660, BS EN 1401, BS 65 BS EN 124 & to be to the Local Authority approval.

2. All private drainage to comply with current Building Regulations, BS EN 752, and other relevant Eurocodes, British Standards and Codes of Practice.

3. Private inspection chambers and manholes to be constructed in accordance with tables 11 & 12 of the Building Regulations Approved Document H.

4. Manhole covers and frames to BS EN 124 to be as follows:
D400 in Carriageway
B125/C250 in Other Trafficked Areas
A15 in Landscaped Areas
Covers lockable where noted.

5. Private drainage to be constructed using Osma Plastic Drainage System or similar approved, laid to manufacturers instructions. All private drainage 100mm dia. unless shown otherwise on table.

6. Private drains located adjacent to dwellings are to be constructed in accordance with diagram 8 of the Building Regulations Approved Document H.

7. Rainwater downpipes are to be connected direct to drain via suitable adaptor removable to permit access for rodding.

8. Rainwater downpipe positions are to be checked against architect's drawings to ensure compatibility (any discrepancies to be referred to the Architect).

9. Main Contractor is to provide all necessary sleeves or lintels where drainage pipes pass through walls or foundations.

10. Drainage runs adjacent to or through foundations may result in deepening foundations locally.

11. The back filling of drainage trenches which are in the proximity of foundations must be in accordance with any special requirements as set out or requested by the Structural Engineer and the Building Regulations.

12. Use of this drawing does not absolve the Client or Contractor from their responsibilities under Health and Safety: The construction (Design & Management) Regulations 2015.

Drainage annotated thus:

SWIC = Surface water inspection chamber
RWP = Rain water pipe
ACO = Aco slot drain
RE = Rodding eye
G = Gully

FIC = Foul inspection chamber
SVP = Soil & vent pipe
SS = Stub Stack
CL = Cover Level
IL = Invert Level
\$ = Foul from first floor

Surface water run
Foul water run

Extg. foul water run
Extg. surface water run
Extg. foul water run removed/not used

NOTE: ALL FINISHED EXTERNAL LEVELS TO BE CONFIRMED BY ARCHITECT/LANDSCAPE DESIGNER.

Invert level to be 100mm below top of units

0.4m as dug material in non-trafficked areas

Polypipe units overlaid with 100mm thick coarse sand

Non-angular granular surround to sides of excavation

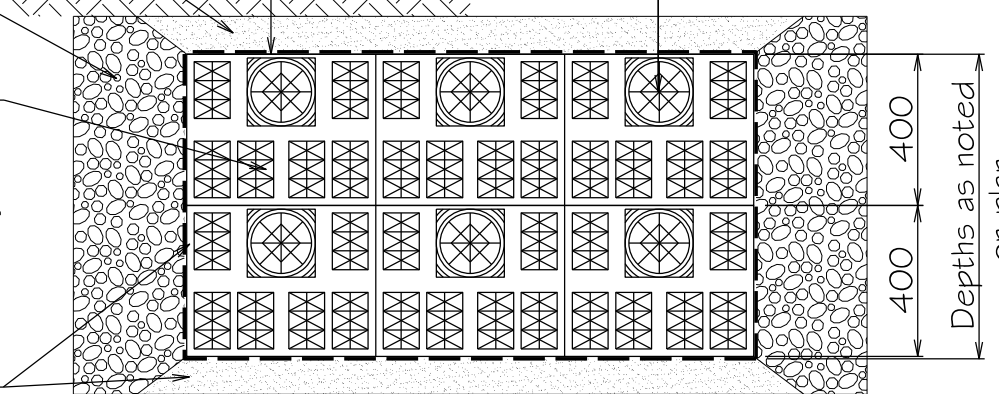
PolyPipe Polystorm Modular

Water storage unit PSM1 in trafficked areas

PolyPipe Polystorm Lite Modular

Water storage unit PSM2 in non-trafficked areas

PolyPipe units to be wrapped in terram 1000 geotextile, units bed on 100mm thk. coarse sand



POLYPIPE SOAKAWAY DETAIL

1 : 20

CD 450SR recessed cover and frame to suit inlaid grass finish

Topsoil

Granular backfill

Clarks or equal polypropylene 450Ø inspection chamber

Well compacted bedding material used as backfill

Backfill with as dug material and compact

Bed & surrounded with min 150mm 10mm single size angular aggregate

100mm Ø UPVC pipes

150 min.

150 min.

PIPE BEDDING DETAILS

UNDER SOFT LANDSCAPE

1 : 20

Rainwater pipe

76mm universal adaptor

Short length of pipe cut to suit

90° Bend

RWP DETAIL

1 : 20

Topsoil

Granular backfill

Aquacell Polypropylene silt trap BK500

Well compacted bedding material used as backfill

AQUACELL POLYPROPYLENE SILT TRAP 500Ø

1 : 20

DEPTH OF INSPECTION CHAMBERS ARE BASED ON FALL ALONG RUNS. COVERS, INVERTS AND DEPTHS IN ABEYANCE SUBJECT TO CONFIRMATION OF LEVELS RELATIVE TO ORDANCEANCE DATUM

Surface Water Manhole Schedule

SMH	Type	Cover Level	Invert Level	Depth (m)	Cover type	Cover size
1	450Ø poly	T.B.C	T.B.C	0.600	Class A15	450Ø
2	450Ø poly	T.B.C	T.B.C	0.700	Class A15	450Ø
3	450Ø poly	T.B.C	T.B.C	0.550	Class A15	450Ø

All surface water pipes to be 100 dia. laid 1:100 unless noted otherwise

All cover levels are approximate. Cover classes to be in accordance with BS EN 124

Poly = Polypropylene manhole Conc = Precast concrete box/ring as appropriate

Foul Manhole Schedule

FMH	Type	Cover Level	Invert Level	Depth (m)	Cover type	Cover size
1	450Ø poly	T.B.C	T.B.C	0.600	Class A15	450Ø
2	450Ø poly	T.B.C	T.B.C	0.700	Class A15	450Ø

All foul pipes to be 100 dia. laid 1:40 unless noted otherwise

All cover levels are approximate. Cover classes to be in accordance with BS EN 124

Poly = Polypropylene manhole Conc = Precast concrete box/ring as appropriate

REV. C2

1.0 x 1.20 x 0.8m deep Polypipe PSM2 crate soakaway arrangement, draining into silty sandy clay loadings suitable for pedestrian and light maintenance vehicles (grass cutters etc)

Aquacell polypropylene silt trap 500Ø

SWIC2

New Aco

SWIC1

SS

FIC1

SWIC3

RWP

FIC2

SVP

SVP

SVP

DRAINAGE PLAN

1 : 50 @ A1

Shared drain with adjacent property

Architect:

JAMES WELLS ARCHITECTS

Client:

MARILYN McMANUS

Job Title:

29 ELM GROVE,
BARNHAM

Drawing Title

DRAINAGE PLAN
& DETAILS

CONSTRUCTION

Scale: 1 : 50, 1 : 20 & 1 : 10 @ A1

Date: JANUARY 2019 Drawn by: CMD Checked: DS

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