PERMIT

This drawing is the copyright of the Architect and must not be reproduced without permission, except by the Local Planning Authority for planning purposes.

Figured dimensions to be taken in preference to scaled.
Dimensions to be checked on site before work commences.
No deviation from this drawing will be permitted without the prior written consent of the Architect.
Ground floor slabs, foundations, structure, etc., and all work below ground is shown provisionally and inspection of ground conditions is essential prior to work commencing.
Reassessment is essential when the ground conditions are apparent and redesign may be necessary in the light of soil conditions found.
The responsibility for establishing the soil and subsoil conditions rests with the Contractor.

THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NOS. 21007/201-207

REF	COVER LEVEL	INVERT LEVEL	CHAMBER TYPE
F1	5.430	4.050	EXISTING FOUL MANHOLE
F2	5.480	4.135	TYPE A
F3	5.480	4.335	TYPE A
F4	5.480	4.500	TYPE B
F5	5.480	4.725	TYPE B
F6	5.375 *	4.775	TYPE C (* Form access panel in deck over)
F7	5.480	4.600	TYPE B
F8	5.480	4.880	TYPE C
F9	5.480	4.930	TYPE C
S1	5.480	4.610	TYPE B
S2	5.480	4.740	TYPE B
S3	5.480	4.850	TYPE B
S4	5.430**	4.980	TYPE B (** Use Class C cover & frame)

Type A Sectional precast rectangular or circular concrete DN 1050 chamber constructed in accordance with BS EN124.

Type B Marley or equal 450mm dia. preformed polypropylene type UCC10 with nom. 400 dia. coated cast iron class 3 cover and frame to BS EN 124 up to maximum invert depth 1000mm.

Type C Marley or equal 250mm dia. shallow access type UAC410/240 chamber base (as applicable), UAR1 riser & concrete cover with uPVC frame up to maximum 500mm invert depth.

LEGEND

- + 5.430 — Nominal proposed level
- + (5.42) — Existing spot level lost
- + 5.45 — Existing spot level maintained
- Existing foul drain & IC/MH
- Proposed foul drain & IC
- Proposed surface water & IC
  (Drain internal diameter 100mm unless shown otherwise on plan)
- SVP — Soil & vent pipe connection
- SP — Soil pipe connection
- SS — Stubstack connection
- RWP — Rainwater downpipe connection
- YG — Yard gully with strainer and silt bucket

Drained roof and impervious area = 380m2
Minimum soakaway capacity = 380 x (50/3000) = 6.3m3

Cellular soakaway & storage unit constructed in Wavin AquaCell (or similar) polypropylene units, each measuring 1m x 0.5m x 0.4m high, wrapped in geotextile membrane & backfilled with gravel.
Preliminary sizing to be 4x2 units on plan stacked 5 units high (2m x 2m x 2m deep) to provide 7,600 litres capacity (40 No. x 190 l or 8.4 0.95 = 7.60 cubic metres.

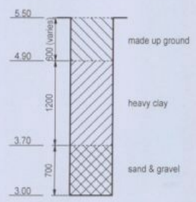
Soakaway to extend down into porous sand/gravel substrata below impervious clay layer (approx. 1.8m below ground). Final size to be agreed on site with Building Inspector subject to actual ground conditions and in accordance with BS 6297.

Drive surfaced with loose gravel in CORE/gravel or similar cellular containment system laid over geotextile membrane on minimum 200mm crushed rock porous sub-base to form SUDS compliant permeable paving construction.

Parking bays and footpaths surfaced with Marshalls Priora or similar permeable concrete block paving laid over 50mm grit laying course on geotextile membrane on minimum 200mm crushed rock porous sub-base to form SUDS compliant permeable paving construction.

Soft landscaped areas excavated to adjoining paved formation levels to remove any clay and backfilled with porous material and topsoil.

Timber decked patio areas with open joints to free drain into void below onto 50mm gravel on geotextile membrane on minimum 150mm crushed rock to form porous sub-base.



Results of Trial Pit

PROPOSED GROUND FLOOR & SITE PLAN 1:100

0 1 2 3 4 5m

/10/00569

RECEIVED 11 NOV

AMENDED

drawing	revisions	date
PROPOSED BELOW GROUND DRAINAGE PLAN	drawing no. 21007/208 rev.	date OCT 2010
	scale(s) 1:100	sheet size A1
	client N P SLYDELL	
project PROPOSED RESIDENTIAL REDEVELOPMENT 260-264 SEAFRONT, HAYLING ISLAND HAMPSHIRE PO11 0AY	Jeffrey Douglas Chartered Architect	
	114 Havant Road • Hayling Island • Hampshire • PO11 0LJ • Tel: (023) 9246 8889 • E-mail: jd@jeffreydouglas.co.uk	