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 SPECIFICATION FOR GAS PROTECTION MEASURES

- Gas resistant membrane to be high performance loose lay membrane containing encapsulated aluminium core. Maximum methane permeability $1 \times 10^{-10} \text{ m}^3/\text{m}^2/\text{s}$. (ACS Gas Resistant Membrane)
- Installation and protection in accordance with manufacturers recommendations. Membrane to be laid on blinded stone throughout.
- Individual membrane sheets to be lapped minimum 100mm and sealed with 30mm wide proprietary butyl tape (ACS Butyl Sealant Tape).
- All services and other penetrations to be sealed with self adhesive gas resistant membrane (ACS Adhesive Gas Membrane).
- Sub-slab Diffusers
 Sub-slab depressurisation with individual diffusers comprising a 1000mm length of perforated 100mm ID HDPE pipe backfilled with 10mm to 40mm no fines stone.
 Pipework
 Diffusers linked to external depressurisation unit via 100/150mm ID HDPE twin wall pipe.
 All pipework to be jointed with proprietary push-fit connectors.
 All pipework to have a minimum 150mm cover from underside of slab to top of pipe.
 Pipework to be laid within or below granular stone or hardcore layer.
 Excavation and backfilling for pipework to be carried out by MAIN CONTRACTOR.
 Depressurisation Units
 Depressurisation units to comprise 13A single phase flame-proof fans mounted in extract pipework. Fan housing by others and to Architects requirements. Location of depressurisation units to be agreed with contractor.
 Extract pipework to comprise 150mm dia. grey uPVC pipe extending a minimum 3000mm above external ground level and fitted with static vent cap (ACS Con S130)

REFERENCE

- ACS Depressurisation Units
- Sub-slab Gas Diffusers
- 150mm ID HDPE Twin Wall Pipe
- 100mm ID HDPE Twin Wall Pipe

Note:
 Exact pipework routes to be agreed on site.

REVISION	DESCRIPTION	CHECKED	APPROVED	DATE
B	Minor amendments.	HDS	HDS	29/07/04
A	Minor amendments.	HDS	HDS	16/07/04



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CLIENT	SIMON CONSTRUCTION LIMITED	TITLE	GAS VENTING (PLAN)
PROJECT	ANNONA	DRAWN	SABH
CHECKED	HDS	APPROVED	HDS
DATE	MAY 2004	SCALE	1:300
		DRAWING No.	J04052/01

CONSTRUCTION STATUS

