

GAS MEMBRANE VALIDATION

Site Name: Belle Vue Stadium	Project Number: 12-123
Company Name: Countryside	Date: 04-08-2022
Project Manager: O. Jackson	E3P Engineer: P. Lavelle
PM Qualifications : BSc FGS AMIEnvSc	Engineer Qualifications: GGS Gas Training Feb 22

Overview:

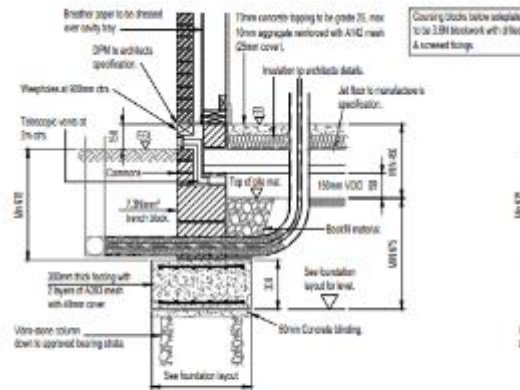
The membrane comprised a Visqueen gas membrane (yellow) resistant to radon, carbon dioxide and low levels of methane. E3P can confirm there were no holes or rips at the time of inspection. Upon being laid the membrane is to be covered with a Celotex (closed Cell) floor insulation material which is considered to provide a high degree of protection.

All external joints were inspected and E3P can confirm that the membrane was overlapped and double taped to external and internal gas resistant DPM. The membrane was taped to the gas resistant DPM using a double-sided jointing tape.

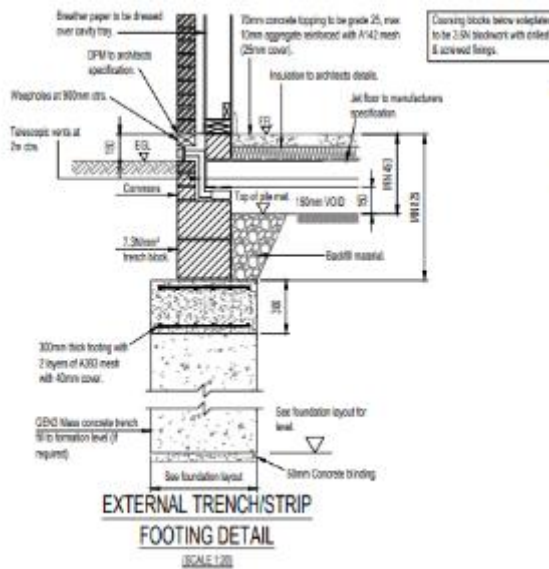
Each unit has a service duct located to the front and outer edge of the property. E3P inspected each one and can confirm that the top-hats have been adequately sealed against the membrane.

Based on the information provided within this report, the site inspections and validation checklists, E3P can confirm that **Plot 140** has been installed with gas protection measures in accordance with Amber 1 to an acceptable level of workmanship.

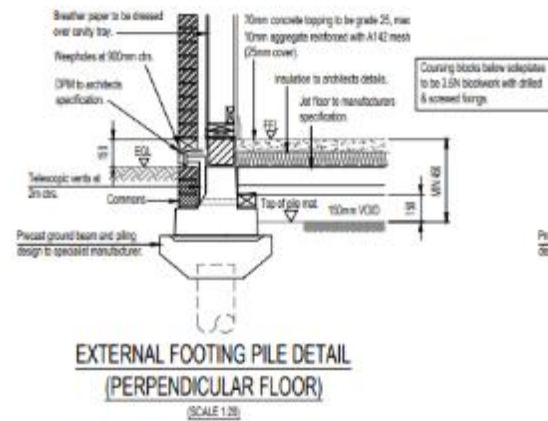




**EXTERNAL FOOTING VIBRO DETAIL
 (PERPENDICULAR FLOOR)**
 (SCALE 1:20)



**EXTERNAL TRENCH/STRIP
 FOOTING DETAIL**
 (SCALE 1:20)



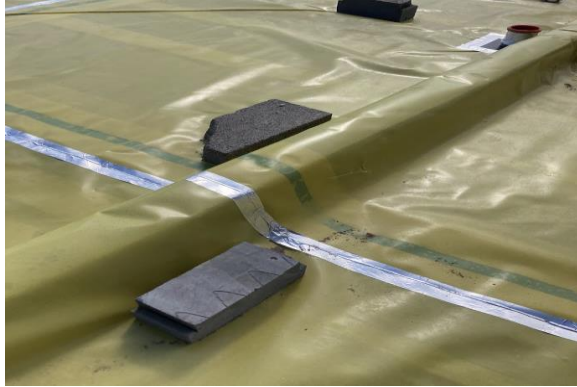
**EXTERNAL FOOTING PILE DETAIL
 (PERPENDICULAR FLOOR)**
 (SCALE 1:20)

Plot – 140

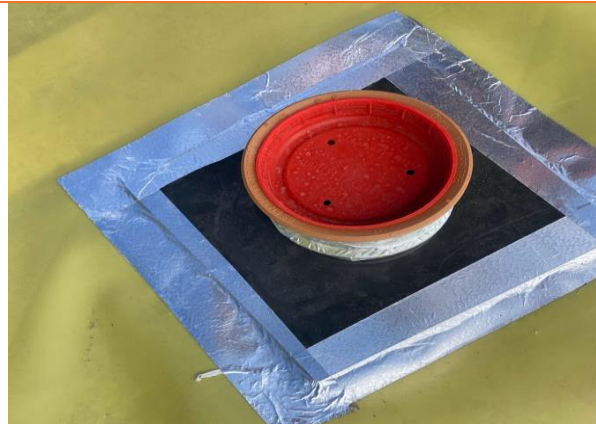
General Condition of Membrane-Good Condition



Verification of Joints and Seals-Overlapped and sealed correctly

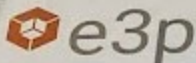


Verification of Service Penetrations-Good Condition



Verification of Ventilation-Good Condition





Gas Protection Validation Site Record

Belle Vue

Inspection date/time:	4/8/22	Inspected by:	P.L	Photographed:	✓/x
Type of development:	Residential	Plot number:	140	Developer:	

Notes/recommendations

Comments

Membrane Type

Extent of Coverage

Underside of Membrane

Slab / membrane condition (is membrane clear of debris or insulation)

Type of joints

Service entries - Jubilee clips, Top hats installed correctly

External Wall Air bricks Present?

Corners inspected?

Membrane joints inspected has Double -sided butyl tape been used?

Folds in membrane inspected?

Has the membrane been installed as per the design detail drawing?

yellow viscous
Full coverage
clear
clear

☒ Tape Joint ☐ Welded Joint ☐ Other (please state)

yes

yes

yes

yes

yes

yes

This Plot has PA [redacted] (if proposed remedial works are required, please refer to the "Remarks" column on this form). An additional inspection visit IS/NOT* required for [redacted]
Inspection by: [redacted] Signed: [redacted]