

From: [Glover, Kate](#)
To: [Thomas, Stacey](#)
Subject: P/26/0177 Installation of solar photovoltaic car ports over part of the existing Abermorlais car park.
Date: 06 October 2026 09:28:08
Attachments: [Sewer Drawing-Layout2 \(1\).pdf](#)

From: James, Connor [REDACTED]
Sent: 28 September 2026 12:39
To: Matthew Lord [REDACTED]
Cc: Goldsworthy, Iain [REDACTED]; [REDACTED];
[REDACTED]; Hammett, Kevin (LGHRRS - Climate Change)
[REDACTED]; Philip Davis [REDACTED] Matt
McKerrow [REDACTED]
Subject: Re: ** URGENT ** Lane Closure: Abermorlais SAB Approval

Hi Matthew,

I have discussed with our consultants and have prepared the following response below:

Please find attached the updated drawing showing the proposed foundation blocks in relation to the existing foul sewer, including the 45° zones of influence taken from the toe/base of the foundations.

The site-specific ground investigation undertaken by Terra Firma recommends conventional pad foundations founded within the dense to very dense granular made ground at approximately 1.5 m below existing ground level. The report confirms that an allowable bearing pressure of 150 kN/m² may be used for pad foundations up to 2 m² in area.

For the purposes of assessing the potential influence on the Welsh Water sewer, we have therefore adopted 150 kN/m² as a conservative maximum bearing pressure at foundation formation level. The actual foundation reactions and final foundation dimensions will be confirmed through the detailed structural design, but will be designed within the geotechnical limits established by the ground investigation.

The attached drawing shows the two locations where the proposed foundations are closest to the foul sewer, identified as Foundation Blocks A and C. In both cases, the foul sewer is outside the 45° zone of influence projected from the foundation toe/base. On this basis, the foundation arrangement should not impose additional foundation loading onto the sewer.

Regarding future access and maintenance, the proposed carports are open-sided

and provide approximately 2.58 m to 3.60 m clearance, which should allow access for compact excavation plant such as mini excavators. The cantilever arrangement would also allow plant to be positioned adjacent to the canopy and work into the affected area.

If unrestricted overhead access was required for larger plant, lifting operations or temporary trench support, the carport superstructure is modular and bolted, meaning sections could be temporarily dismantled and subsequently reinstated if necessary.

Hopefully the attached and above provides the information you need

Cofion cynnes | Kind regards,

Connor James, MEng(Hons), AMEI
Swyddog Ynni | Energy Officer

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