

Stella Wilde

From: Sharon Holman
Sent: 01 December 2011 10:36
To: planning_admin
Subject: p/2011/0675

Please import the further response from highways...

From: Phil Palmer
Sent: 01 December 2011 09:46
To: rba.mail; Sharon Holman
Cc: Sparrow, Craig; Hudson, Joe
Subject: RE: Development at Rivulet Road, Wrexham (RBA Ref:3609-1) - Maintenance of Sewers & Gas Main

Richard / Sharon

Thank you for the plans indicating details of surface water , foul & gas mains at the above site. I confirm that we are now satisfied that access would still be possible should maintenance be required to these pipes.

Regards, Phil

From: rba.mail [mailto:broun@rba.ltd.uk]
Sent: 30 November 2011 19:31
To: Phil Palmer; Sharon Holman
Cc: Sparrow, Craig; Hudson, Joe
Subject: Re: Development at Rivulet Road, Wrexham (RBA Ref:3609-1) - Maintenance of Sewers & Gas Main
Importance: Low

Sharon

Further to your email below please find attached the following drawings in pdf format for your attention:

- 3609-1/01 E Drainage General Arrangement
- 3609-1/03 B Surface Water Long Sections
- 3609-1/04 A Foul Sewer Long Sections

We trust that the attached are suitable for your purposes. Should you require any additional information or wish to discuss this matter please do not hesitate to contact us.

Regards

Rhion Williams

for **RICHARD BROUN ASSOCIATES** | CHARTERED ENGINEERS & ARCHITECTS
26 Mostyn Road, Colwyn Bay, Conwy LL29 8PB Tel: (01492) 533117 Fax: (01492) 530895 Email: broun@rba.ltd.uk

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----- Original Message -----

From: [Sharon Holman](#)
To: [rba.mail](#)
Cc: [Neil Jones](#)
Sent: Tuesday, November 29, 2011 12:48 PM
Subject: FW: Development at Rivulet Road, Wrexham (RBA Ref:3609-1) - Maintenance of Sewers & Gas Main

Dear Richard,

At the risk of pushing you over the edge... could you please provide the additional information as requested below?

Kind regards
Sharon

From: Phil Palmer
Sent: 29 November 2011 12:45
To: Sharon Holman
Subject: RE: Development at Rivulet Road, Wrexham (RBA Ref:3609-1) - Maintenance of Sewers & Gas Main

Hi Sharon

The points raised are noted / accepted. However, I have discussed this issue with my Manager - Jon Plant and we would like to see a plan showing the gas pipe and surface water pipe along the proposed bend including pipe positions, size and depth. Hopefully we will then be satisfied that access is still achievable should repair to these pipes be required.

Could you please ask Ricahrd Broun to provide this detail.

Thanks, Phil

From: Sharon Holman
Sent: 29 November 2011 09:24
To: Phil Palmer
Subject: FW: Development at Rivulet Road, Wrexham (RBA Ref:3609-1) - Maintenance of Sewers & Gas Main

Hi Phil,

Did you have any thoughts on this?

Thanks
Sharon

From: rba.mail [mailto:broun@rba.ltd.uk]
Sent: 25 November 2011 13:15
To: Phil Palmer
Cc: Oliver, Phil; Sharon Holman; Hudson, Joe; Sparrow, Craig; neil@munro-associates.com; Mark Downer
Subject: Development at Rivulet Road, Wrexham (RBA Ref:3609-1) - Maintenance of Sewers & Gas Main

Phil

Further to our telephone conversation yesterday afternoon (Broun, Palmer) with regards to your concerns of the potential issue of access to the site should maintenance of the gas and sewers be required on the bend I summarise my understanding of the matter as follows:

Dŵr Cymru Welsh Water Sewers

Maintenance of adopted sewers in the carriageway will generally comprise one of two activities:

1. **Inspections and maintenance with access from manhole chambers.** In this instance small areas of the carriageway are likely to be cordoned off to provide a safe area of working. All three manholes on the bend in question are located on the south side of the carriageway (S11, S12 and F8) and emergency access can be achieved along the opposite lane. Should it be necessary manhole covers can quickly and easily be

replaced and the cordon taken down to provide access. The same actions would be taken for manholes at the site entrance where traffic control may be necessary.

2. **Replacing sewers requiring excavation works.** Newly constructed sewers will have a conservative design life of 50 years bearing in mind that the adjacent adopted sewers in Rivulet Road (one of which is of brick construction) have been in existence significantly longer than this. Sewers within the carriageway are generally to one side allowing the opposite lane to remain open. Any excavation in the carriageway would be sequenced to facilitate this and carried out in accordance with Chapter 8 of the Traffic Signs Manual. Permission to carry out works in the highway must be obtained from the Highway Authority and detailed proposals of traffic and (if necessary) pedestrian control must be submitted for approval. Access must be provided in such situations and the works sequenced and if necessary excavations backfilled temporarily or road plates installed to allow access.

If required rubbish bins can be brought to the front of the site by the Contractor to avoid the need for refuse vehicles to access the site whilst the works are in progress

With regards to fire tenders, in my previous experience the Fire Brigade are generally reluctant to bring their equipment too close to a major blaze and would tend to run hoses into the site from local hydrants which are likely to be located at either end of the new access road, in Rivulet Road and Salop Road. In any event the emergency services would be consulted as part of any major works and the Contractor would need to satisfy any concerns / requirements they may have.

Wales & West Utilities Gas Main

Maintenance of the gas main in the carriageway will also generally comprise of two activities:

1. **Access to the pipe for inspections of valves and other apparatus including any additional connections.** The gas main is located adjacent to the foul sewer and at a shallower depth. Any excavations necessary are likely to be relatively small and would require only a small area of the carriageway to be cordoned off. The only known apparatus is located on the outbound lane at the end of the radius of the bend. Again any traffic control would have to be in accordance with Chapter 8 as described above.
2. **Replacing the gas main.** The gas main has been diverted relatively recently. The integrity of the gas main can therefore be assumed to be good as pressure tests will have been carried out prior to commissioning. The design life of the sections of gas main beneath the carriageway are therefore assumed to be longstanding and similar to the conservative 50 years given for the sewers above. In the event that this gas main requires replacing then excavations carried out in the carriageway would have to be sequenced and carried out in accordance with Chapter 8 and the requirements and approval of the Highway Authority as described above for the sewers.

Any works to the sewers or gas main which required traffic control to extend onto Rivulet Road would be necessary irrespective of the proposed highway layout to the development.

I trust that the above suitably answers your query.

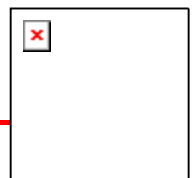
Should you wish to discuss this matter further or require any additional information please do not hesitate to contact us.

Regards

Richard Broun

for **RICHARD BROUN ASSOCIATES** | CHARTERED ENGINEERS & ARCHITECTS
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