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Our Ref: BEV-COR-143

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Dear Alan,

**Edinburgh Tram Network
System Design Services (SDS): Service Connections**

As previously discussed in many forums but in particular at the last Utilities Technical Liaison Meeting held on 14th March 07, we write to clarify the position with respect to the design responsibility service connections to diverted utilities.

Whereas we recognise that good data with respect to the exact locations, materials, fittings, pipe work / cabling and methods of connection is not, in many cases, available from the utility companies or other records, nevertheless, it is our opinion that SDS are best placed to provide the requisite designs. Moreover, as the designers, the must look to SDS to provide such design information under the contract. Such design information must include, as a minimum, arrangements for making the new connections (materials, equipment, approximate connection lengths) together with statutory or regulatory requirements of the utilities in respect of connections and the consequences of replacing outdated/obsolete equipment, e.g. iron/steel / lead pipe work.

It is an inherent part of the design to include and consider any service connections disrupted/removed from the existing utility, through the diversion of the main. As such, the design, in all aspects, cannot be considered as complete until these aforementioned elements have been considered within the overall redesign element.

We accept that due to the nature of utility company records, there may not be good data available, but believe that SDS are not only in the best position to make estimates of the number and type of connections to properties adjacent to the diversions but also, have a duty of care to either investigate the detail or to provide designs that can be applied when the actual conditions are known.

We therefore request that you provide designs for diversions to include for service connections. We are of course prepared to assist, with the support and advice of our MUDFA contractor, AMIS, in agreeing a suitable form of design that will enable the to obtain the construction proposals and estimates required to proceed to instruct the construction works.

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