



**SEVERN ROAD RESOURCE RECOVERY CENTRE**

**UTILITIES ASSESSMENT**

**Viridor**

**SLR REF 402.0036.00374**

**October 2009**



solutions for today's environment

## Utilities Assessment

- 1.1 This assessment has been prepared to establish whether there are any fundamental constraints associated with the connection of the SRRRC to the fundamental utility services.
- 1.2 Drawing No 3. 'Existing Utilities Plan' (Oct 2008) illustrates the location of existing utilities in and around the application site.

### Foul Drainage

- 1.3 SLR Consulting Ltd has investigated the sewage systems in the area. Despite having been previously used for industry, the site does not appear to be connected to the foul sewer. Therefore, it is proposed to use a small package pump treatment system.

1.4

### Electricity

- 1.5 Upon operation, the Energy from Waste Facility will produce 30MW of electricity per year. This will provide all the energy requirements of the SRRRC and provide additional electricity for the national grid. There is a grid connection point to the west of the site.

### Water

- 1.6 Drawing No 3 shows that there is a Bristol Water main under Severn Road and a Wessex Water rising main to the west of Chittening Road. A Bristol Water private main is located within the site itself.
- 1.7 Mains water will be used for boiler supply top up, amenities and cleaning. The steam system within the EfW comprising the boiler, turbine, condensers and pipework will be a closed system requiring only occasional topping up. The estimated water usage for the EfW is 20,000 m<sup>3</sup> per annum, therefore, there will not be a significant, continuous demand for water.

### Telecommunications

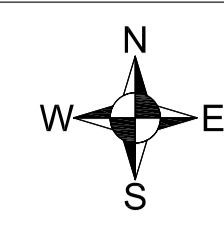
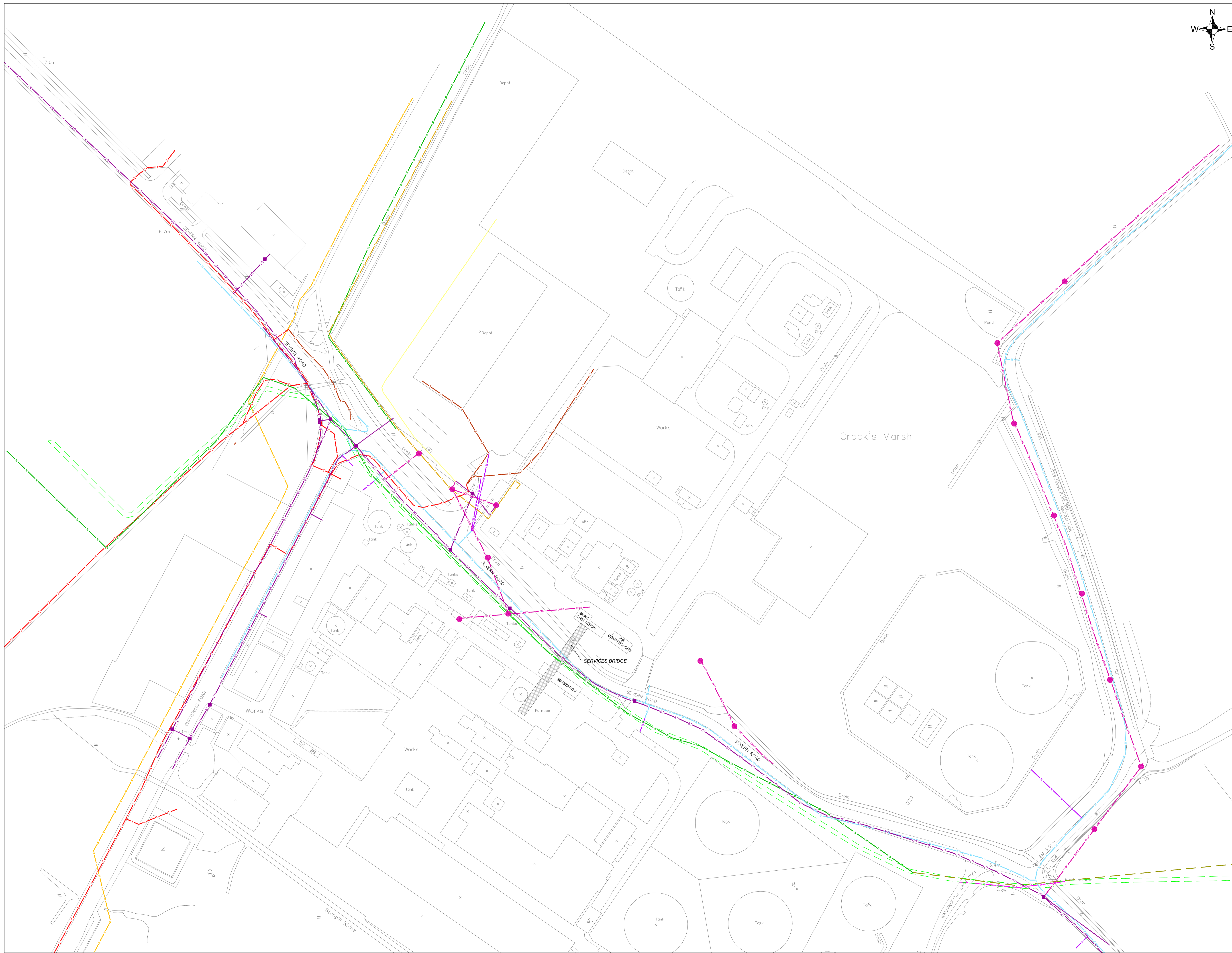
- 1.8 A British Telecom (BT) cable is located in Severn Road

### Oil

- 1.9 A GPSS oil pipeline runs parallel to Severn Road.

### Summary

- 1.10 From investigations made to date, it would appear that connections to water, electricity and telecommunications exist within close proximity to the application site. There is no foul drainage/sewer connection from the site, but it is proposed that a small package treatment plant could be used in place of a new connection.



**NOTES**  
 SERVICES SHOWN ON THIS DRAWING HAVE BEEN DERIVED FROM UTILITY COMPANY RESPONSES TO INFRASTRUCTURE SEARCH CARRIED OUT BY GROUNDWISE SEARCHES LTD ON BEHALF OF SLR CONSULTING LTD.  
 ONLY PUBLIC SERVICES ARE SHOWN. PRIVATE SERVICES ARE NOT SHOWN WHICH MAY BE PRESENT.  
 NO DIFFERENTIATION HAS BEEN MADE ON THIS PLAN BETWEEN OVERHEAD AND UNDERGROUND SERVICES AND SUPPLIES.  
 THE OVERSEEING ORGANISATION ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF THIS PLAN.

**UTILITY COMPANIES AFFECTED BY WORKS**  
 GPSS  
 FISHER GERMAN LLP  
 PO BOX 7273  
 ASHBY DE LA ZOUCH  
 LEICESTERSHIRE  
 LE65 2BY  
 REF: CB/BR/0020/0030/0040/ROADS/AJ/BMC  
 WESSEX WATER  
 CLAVERTON DOWN  
 BATH  
 BA2 7WW  
 REF: N 124207  
 WESTERN POWER DISTRIBUTION  
 MAP RESPONSE TEAM  
 LAMBEY WAY  
 RUMNEY  
 CARDIFF  
 CF3 2EQ  
 REF: N 113201  
 BRISTOL WATER  
 POBOX 218  
 BRIDGEWATER ROAD  
 BRISTOL  
 BS997AU  
 REF: CR/1210  
 WALES AND WEST UTILITIES LTD  
 BY  
 MAPS BY EMAIL - DBYD@BT.COM

**LEGEND**

- BT UNDERGROUND CABLE
- BT OVERHEAD LINE
- BT JUNCTION BOX
- BT POLE
- BRISTOL WATER MAIN
- WESSEX WATER RISING MAIN
- WESTERN POWER DISTRIBUTION UNDERGROUND CABLE
- WALES AND WEST UNDERGROUND GAS PIPE
- LINE OF GPSS OIL PIPELINE PROVIDED BY WESSEX WATER
- BRISTOL WATER PRIVATE MAINS
- GPSS OIL PIPELINE

Revision	By	Chk'd By	Date	Comments
D0	MJF	JF	10/08	FIRST ISSUE



Site  
 AVONMOUTH RHINE SUB-STATION

Project  
 AVONMOUTH EW

Drawing Title  
**EXISTING UTILITIES PLAN**

Project File Reference 0036.00374.03.003.D0	Drawn By MJF
Scale 1:1,000 @ A1	Chk'd By JF
Date OCTOBER 2008	Revision D0
Drawing Number 3	
DRAFT	