

## CITY AND COUNTY OF SWANSEA

<b>LISTED BUILDING</b>	Fourth Arch over South Wales Railway at Peniel Green, Llansamlet, Swansea
<b>Grade:-</b>	II
<b>Date of Notification:-</b>	16.01.2004
<b>National Grid Reference:-</b>	SS 7024597440
<b>O.S. 1:10000 Sheet No:-</b>	SS 79 NW
<b>CADW Reference No:-</b>	82385
<b>C &amp; C of S Reference No:-</b>	LB:509

### **Notes:-**

#### ***Location:-***

Crossing the South Wales Railway some 525m SE of Llansamlet Station. This arch is the most S structure as the railway curves S.

#### ***History:-***

One of four hump-backed flying arches built over railway line and intended to stabilise the cutting banks where slips had occurred shortly after the line opened in 1850. The line was engineered by I. K. Brunel for the South Wales Railway. The arches are shown on the 1885 OS map which also shows a track crossing this fourth arch N from Llwynbrydrau to Peniel Green Road.

#### ***Exterior:-***

One of four broad stone arches of rubble stone with cut stone voussoirs to segmental arches. Arches are some 12m wide and approximately 20 to 25m long. Arches are weighted on top with copper slag and provided with retaining walls on each side holding back earth.

#### ***Listed:-***

Included for its special historic interest as one of four unusual engineering structures, probably by I. K. Brunel, the renowned Victorian engineer.

#### ***Reference:-***

D S M Barrie, A Regional History of the Railways of Great Britain, 12, South Wales, pp 197-200;

G Biddle, Britain's Historic Railway Buildings, Oxford UP 2003, p 592;

Information from Mr R J Evans, Llansamlet Historical Society;

Ordnance Survey, First Edition, 1884.