

CITY AND COUNTY OF SWANSEA

LISTED BUILDING	Second Arch over South Wales Railway at Peniel Green, Llansamlet, Swansea
Grade:-	II
Date of Notification:-	16.01.2004
National Grid Reference:-	SS 7019097472
O.S. 1:10000 Sheet No:-	SS 79 NW
CADW Reference No:-	82383
C & C of S Reference No:-	LB:507

Notes:-

Location:-

Crossing the South Wales Railway some 400m E of Llansamlet station. This arch is the second one from the NW 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.

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 25mm 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;

J Newman, Buildings of Wales, Glamorgan, 1995, p 398;

Information from Mr R J Evans, Llansamlet Historical Society;

Ordnance Survey, First Edition, 1884.