

CITY AND COUNTY OF SWANSEA

LISTED BUILDING	First Arch over South Wales Railway at Peniel Green, Llansamlet, Swansea
Grade:-	II
Date of Notification:-	16.01.2004
National Grid Reference:-	SS 7009097515
O.S. 1:10000 Sheet No:-	SS 79 NW
CADW Reference No:-	82382
C & C of S Reference No:-	LB:506

Notes:-

Location:-

Crossing the South Wales Railway some 350m E of Llansamlet station. This arch is the most NW of the structures 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 12 m wide and approximately 20 to 25m long. Arches are weighted on top with copper slag and provided with inner 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, p398

Information from Mr R J Evans, Llansamlet Historical Society

Ordnance Survey, First Edition, 1884