

HISTORIC AMERICAN ENGINEERING RECORD

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HAER
WASH
13-GRACO,
ID-

Columbia Basin Project, Grand Coulee
Siphon-Breaker Building
Grand Coulee
Grant County
Washington

HAER No. WA-139-D

Jet Lowe, HAER Photographer, May 1996

- WA-139-D-1 View from Siphon Breaker Building of pipes extending from the Pump-Generating Plant to the feeder canal, looking north.
- WA-139-D-2 View of hydraulic gates at terminus of pipes to feeder canal. The Siphon-Breaker Building is to the right, looking south.
- WA-139-D-3 View of Siphon-Breaker Building, looking east.

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ADDENDUM TO:
COLUMBIA BASIN PROJECT, GRAND COULEE SIPHON BREAKER
BUILDING
Grand Coulee
Grant County
Washington

HAER WA-139-D

Photographs no. HAER WA-139-D-1 through HAER WA-139-D-3 were previously transmitted to the Library of Congress.

The original of the historic construction drawing seen in HAER WA-139-D-12 is held at the Grand Coulee Power Office, Grand Coulee Dam, Washington. The print is an 8x10" enlargement from a 4x5" negative.

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Clayton B. Fraser, photographer, November 2004

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| WA-139-D-4 | Siphon breakers at the top of the irrigation pipes extending from the pump-generating plant from hillside. The breakers are air relief valves that prevent water from siphoning out of Banks Lake. View to southeast. |
| WA-139-D-5 | Air relief valves at terminus of pipes to feeder canal, from hillside. View to south. |
| WA-139-D-6 | Air relief valves at terminus of pipes to feeder canal. View to north. |
| WA-139-D-7 | Air relief valves at terminus of pipes to feeder canal. View to south. |
| WA-139-D-8 | Siphon breaker building, which currently houses radio/communication equipment. View to east. |
| WA-139-D-9 | Siphon breaker for pump generator number 11. This valve introduces air into the pipe to prevent water from siphoning back into Lake Roosevelt out of Banks Lake. View to northwest. |
| WA-139-D-10 | Pipes used to pump irrigation water from Lake Roosevelt into Banks Lake. Pipes are 12 feet in diameter. View to east. |
| WA-139-D-11 | Pipes used to pump irrigation water 300 vertical feet from Lake Roosevelt into Banks Lake. View to west. |

COLUMBIA BASIN PROJECT, GRAND COULEE SIPHON BREAKER BUILDING
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WA-139-D-12

Photographic copy of construction drawing, Bureau of Reclamation,
15 May 1951. "Siphon Breaker House: Pump Discharge Outlet --
Siphon Breaker Operating Diagram."