

DESCRIPTION OF SYSTEM:

FINISHED WATER FROM THE TREATMENT PLANT FLOWS DOWNHILL IN A 16" DIA CAST IRON PIPELINE. AT A POINT APPROX 110' LOWER IN ELEVATION A BIFURCATION WILL ROUTE MOST OF THE FLOW THRU A TURBINE & INDUCTION GENERATOR AND BACK INTO THE FINISHED WATER PIPE LINE IN AN ENCLOSED SYSTEM. PEAK POWER PRODUCTION WITH A FLOW OF 4.6 CFS AND A NET HEAD OF 108 FT IS EXPECTED TO BE APPROX 28 KW.

POINT OF DIVERSION IS AT WATER TREATMENT PLANT, 550' W, 800' N OF THE SE CORNER OF SEC 19, T12S, R6W.

PLACE OF USE IS AT HYDRO PLANT, 30' W 1000' N OF THE SE COR SEC 19, T12S, R6W

POD LOCATION
LONG. 123.456°
LAT. 44.508°

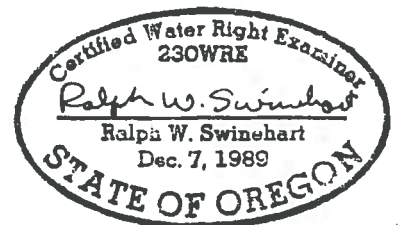
POWER PLANT LOCATION
LONG. 123.454°
LAT. 44.509°

1927 N.A.D DATUM

RECEIVED BY OWRD

MAR 03 2014

SALEM, OR



REVIEWS 6/30/14

HYDROELECTRIC W.R. APPLICATION MAP
FOR: CITY OF CORVALLIS
BENTON CO., OREGON

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