

Water Reclamation Plant

Providing Water Resources to the West Plains

NOVEMBER 2007, EDITION 2

PUBLIC MEETING

**Wednesday, Nov. 14, 2007
7:00 p.m. - 9:00 p.m.**

**City of Airway Heights
Community Center
13120 W. 13th Ave.**

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November 14, 2007 Public Meeting Planned

The City of Airway Heights Public Works Department invites you to attend the second in a series of Water Reclamation Plant public meetings on Wednesday, November 14, 2007 at 7:00 p.m. at the City of Airway Heights Community Center, located at 13120 W. 13th Ave.

At this meeting, comments and perspectives expressed at the August 29th public meeting will be presented, along with the final design and landscape concepts incorporated into the Water Reclamation Plant. The City of Airway Heights staff and consultant team will also present information on the regulatory requirements associated with operation of the Water Reclamation Plant, including groundwater monitoring.

The staff and consultant team asked the August 29th meeting participants to provide comments and perspectives on the preliminary design and landscape concepts of the Water Reclamation Plant, and opportunities for reuse of reclaimed water. These responses have been considered and integrated into the final design of the plant, which will be presented at the November 14th meeting.

Meeting attendees will have the opportunity to ask questions about the final design and provide comments on the landscape elements presented during the meeting. The staff and consultant team will also be available to answer questions regarding the regulatory requirements and groundwater monitoring.

We look forward to seeing you on November 14th!

Highlights from the August 29th Public Meeting

The City of Airway Heights Public Works staff and consultant team had the opportunity to hear comments and perspectives from 20 people that attended the first public meeting on August 29th. Meeting participants were also asked to fill out and return meeting questionnaires to expand on the perspectives and concerns that were expressed verbally during the meeting.

Common perspectives and interests heard from the meeting questionnaire respondents included:

- Incorporate educational components such as public tours into the new City of Airway Heights Water Reclamation Plant;
- Create landscape elements that would enhance the appearance of the plant;
- Minimize the amount of water withdrawn from the aquifer by supporting the use of reclaimed water; and
- Provide opportunities to learn more about water reclamation and reuse, and protection efforts of the local water resources.

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HIGHLIGHTS
continued:

A variety of comments and questions were raised during the meeting related to:

- Groundwater monitoring and private wells; and
- Aquifer recharge.

The staff and consultant team indicated that they will consider the ideas and perspectives during the design and construction of the City of Airway Heights Water Reclamation Plant. The final design and landscape elements for the plant will be shared at the second public meeting on November 14, 2007.

Meeting attendees will have a chance to learn more about the final design and regulatory requirements, and will be invited to provide comments and perspectives on the landscape elements.

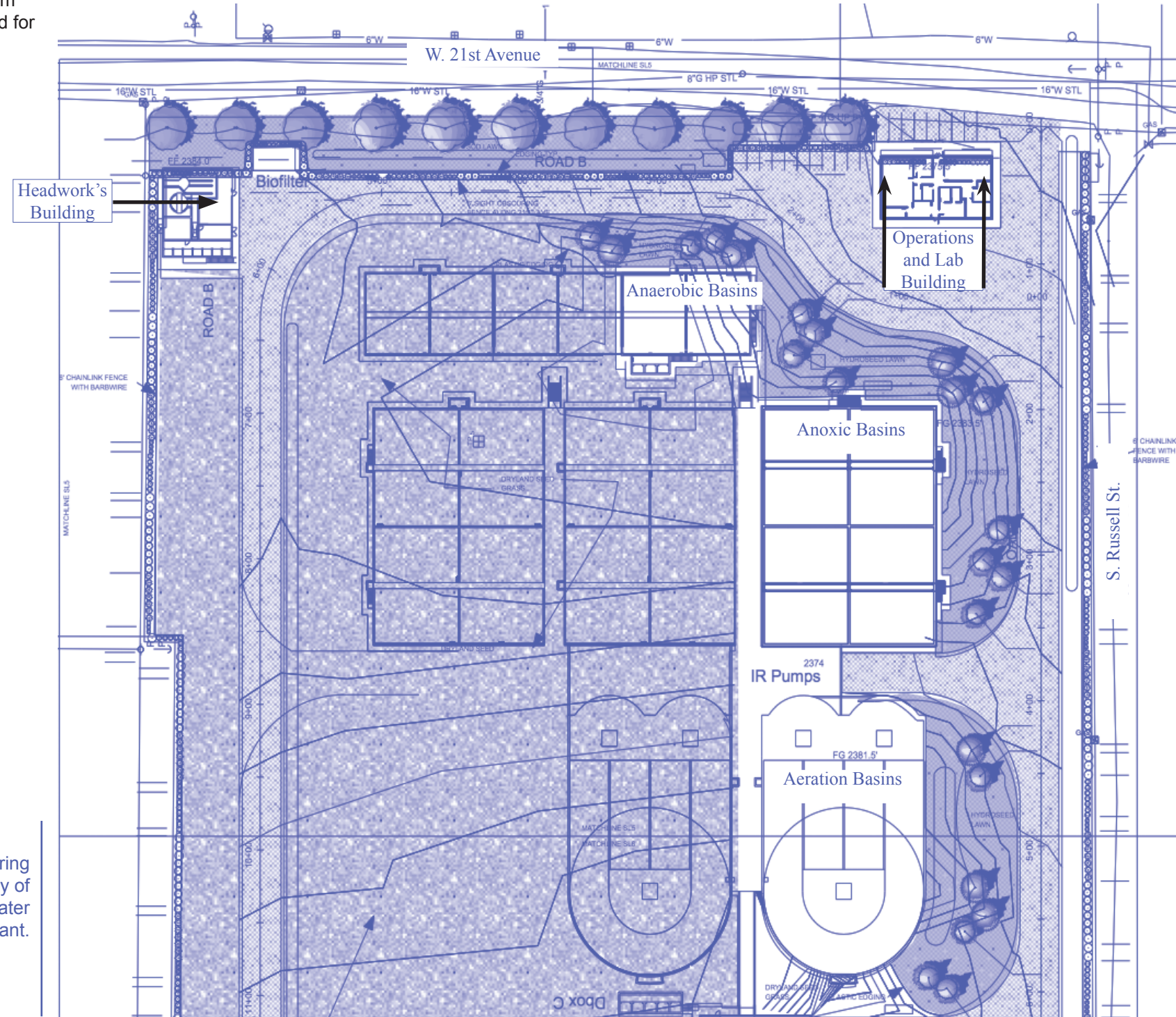
Landscape Elements Incorporated into the Plant Design

The Water Reclamation Plant's landscape design includes a substantial amount of native and adapted plant material that was selected to survive and thrive in the Airway Heights microclimate.

The planting palette includes deciduous and evergreen trees, shrubs and groundcover. These various plants types will help soften the outline of buildings and fences and provide year-round visual interest in color, texture and form.

The irrigation design includes extensive underground drip irrigation lines, with drip emitters watering all shrub beds and trees, and conventional irrigation in lawn areas. Reclaimed water from the plant will be used for on-site irrigation.

Landscape rendering of the new City of Airway Heights Water Reclamation Plant.



Groundwater Monitoring at the New Water Reclamation Plant

The City of Airway Heights Water Reclamation Plant will provide a new source of water to meet the growing demands of our West Plains community. Class A reclaimed water from the plant will be available for reuse at commercial and industrial operations, irrigation applications, and for aquifer recharge. To ensure compliance with State requirements and protection of drinking water sources, the plant design includes provisions for groundwater monitoring. Washington State law requires that groundwater beneath or downgradient of the recharge area meets State drinking water standards.

Final groundwater monitoring requirements will be developed by the Washington State Departments of Ecology and Health. These requirements will be included in the City of

Airway Heights Water Reclamation Plant's State Discharge Permit. Currently, the plant design identifies fifteen monitoring well installations – including eight deep monitoring wells on the site, one upgradient monitoring well, and six shallow wells to depths of less previous soil strata.

Drinking water and monitoring wells on and around the plant site will be regularly monitored to ensure that water quality meets all drinking water standards.

Groundwater monitoring will likely include:

Quarterly measurements of:

- Water level
- Nitrate
- Total Coliform bacteria
- Temperature
- Nitrite
- Total & dissolved organic carbon
- Dissolved oxygen
- Total Kjeldahl Nitrogen
- Cyanide
- Ph
- Total dissolved solids
- Floride
- Conductivity
- Fecal Coliform bacteria
- Sodium
- Aluminum
- Alkalinity
- Calcium
- Chloride
- Sulfate
- Carbonate
- Potassium

Yearly measurements of:

- Antimony
- Lead
- Nickel
- Arsenic
- Iron
- Silver
- Barium
- Manganese
- Thallium
- Cadmium
- Mercury
- Zinc
- Chromium
- Selenium
- Volatile Organic Compounds
- Copper
- Beryllium
- Semi-Volatile Organic Compounds
- Insecticides
- Herbicides



Public Works Department
1208 S. Lundstrom
Airway Heights, WA 99001

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How to Stay Involved

Airway Heights Website

City of Airway Heights has set up a Water Reclamation Plant web page to provide information about the project background, design and construction. The website address is www.cawh.org/water_reclamation_plant.asp. In addition to background information on the plant, you will find meeting information, project newsletters and the current schedule. Be sure to check the website regularly.

Project Mailing List

Future mailings may only go to those on the project mailing list. If you have not attended one of the public meetings or do not think you are on the list, please call the City of Airway Heights at 509-244-5578 or email atripp@cawh.org and ask to be added to the project mailing list.

Contact Information

If you have questions or would like more information about the Water Reclamation Plant project, please contact Albert Tripp, City of Airway Heights Public Works Director, at 509-244-5429 or atripp@cawh.org.