



## Environmental Checklist

### Purpose of Checklist:

*The State Environmental Policy Act (SEPA), Chapter 43.21 C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.*

### Instructions for Applicants:

*This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.*

*You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply". Complete answers to the questions now may avoid unnecessary delays later.*

*Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.*

*The checklist question apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impacts.*

### Use of check list for nonproject proposals:

*Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (Part D).*

*For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.*

TO BE COMPLETED BY APPLICANT

EVALUATION FOR  
AGENCY USE ONLY

#### A. BACKGROUND

1. Name of proposed project, if applicable:

**Intake Screen Improvements Project**

2. Name of Applicant:

**Legrow Water Company**

3. Address and phone number of applicant and contact person:

**Applicant:**  
Tom Elliott  
PO Box 1306  
Pasco, WA 99301  
(509) 531-6708

**Contact Person:**  
Gary Weatherly, J-U-B ENGINEERS, Inc.  
2810 West Clearwater Ave, Ste 201  
Kennewick, WA 99336  
(509) 783-2144

4. Date checklist prepared:

**23 July 2013**

5. Agency requesting checklist:

**Washington State Department of Fish and Wildlife**

6. Proposed timing or schedule (including phasing, if applicable):

**Construction Start: January 1, 2014**  
**Construction Completion: February 28, 2014**

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

**No**

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

**A biological assessment was prepared for the project by Environmental Assessment Services (EAS), Richland, WA. The biological assessment was prepared at the request of the Corps of Engineers to address the affects of the project on Federal ESA listed species and habitat.**

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

**No**

10. List any governmental approvals or permits that will be needed for your proposal, if known.

**Corps of Engineers, Section 10 and 404**  
**Water Quality Certification**  
**Hydraulic Project Approval**

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page.

**There is an existing steel framed, woven wire covered irrigation water intake screen located at the site that will be disconnected from the existing intake pipe and removed and disposed of at an approved site. The existing intake screen is approximately 6'-2" square and a little over 60 ft in length. There is also a small attached screened area that is roughly 6'x6'x6'. While the intake screen is off the interior of the 66" diameter intake pipe will be mechanically cleaned by divers to remove tuberculation and scaling. Following removal of the existing screen and pipe cleaning an area approximately 120'x60' will be excavated to remove sediment. Bathymetric surveys suggest anywhere from 2 to 4 feet of sediment has been deposited around the screen since its installation in about 1978. An estimated 1,100 CY of material will be removed, placed on a barge and disposed of at an upland location. Following excavation a new intake screen will be installed. The new intake screen structure will have twenty 4' diameter, 6' long stainless steel, wedge wire screens connected to approximately 80 feet of 60" diameter steel pipe. The screen structure will be fabricated on shore, delivered to the site by barge, lifted into place and connected to the existing intake pipe.**

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

**The project is located approximately 280 feet from the left bank of the Columbia River at approximately river mile 316.3. Latitude and Longitude for the site are approximately: 46.11171, -118.92522. The site is located in the SE ¼, SW ¼, Section 3, Township 7 North, Range 31 East, WM, Walla Walla County.**

**B. ENVIRONMENTAL ELEMENTS**

1. Earth

- a. General description of the site: (circle one)

Flat    Rolling    Hilly    Mountainous    Generally Flat  
 Other: **Not Applicable (N/A)**

- b. What is the steepest slope on the site (approximate percent slope)?

**N/A**

- c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

**N/A**

- d. Are there surface indications or history of unstable soils in the immediate vicinity: If so, describe.

**N/A**

- e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

**N/A**

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

**N/A**

- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

**N/A.**

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

**None**

2. Air

- a. What types of emissions to the air would results from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

**Construction equipment emissions during construction.  
None following completion of construction.**

- b. Are there any off-site sources of emissions or odor that may affect your proposals? If so, generally describe.

**None that would affect the proposal. The proposed project is adjacent to a Boise Cascade Paper Mill.**

- c. Proposed measure to reduce or control emissions or other impacts to air, if any:

**None**

## 3. Water

## a. Surface

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

**Columbia River, McNary Pool**

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) of the described waters? If yes, please describe and attach available plans.

**The entire project is located in the Columbia River**

- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

**Approximately 1,100 CY of sediment will be excavated from the site, placed in a barge and disposed of at an upland location.**

- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

**The project will replace an existing irrigation water intake screen installed in approximately 1978 with a new irrigation water intake screen. The project will not change or increase the existing water withdrawal rate.**

- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

**Yes. It is located in the Columbia River approximately 280 feet from shore.**

- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

**No**

## b. Ground

- 1) Will ground water be withdrawn, or will water be discharged to ground water: Give general description, purpose, and approximate quantities, if known.

**No**

- 2) Describe waste materials that will be discharge into the ground from septic tanks or other sources, if any (for example, domestic sewage, industrial, containing the following chemicals...; agricultural, etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the systems(s) are expected to serve.

**None**

c. Water Runoff (including storm water):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

**None**

- 2) Could waste materials enter ground or surface waters: If so, generally describe.

**No**

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

**None**

4. Plants

a. Check or circle types of vegetation found on the site:

- deciduous tree: alder, maple, aspen, other
- evergreen tree: fir cedar, pine, other
- shrubs/brush
- grass
- pasture
- crop or grain
- wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other
- water plants: water lily, eelgrass, milfoil, other
- other types of vegetation/brush, dryland vegetation

b. What kind and amount of vegetation will be removed or altered?

**The river bottom at the site has minimal aquatic plant growth. Aquatic plant growth in the excavation area will be removed.**

c. List threatened or endangered species known to be on or near the site.

**None**

- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

**None**

5. Animals

- a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

birds:  hawk  heron  eagle  songbirds  other: Pelican  
 mammals:  deer  bear  elk  beaver  other:  
 fish:  bass  salmon  trout  herring  shellfish  other:

- b. List any threatened or endangered species known to be on or near the site.

- a. **Upper Columbia River Spring Chinook Salmon**
- b. **Upper Columbia River Summer Run Steelhead**
- c. **Middle Columbia River Steelhead**
- d. **Snake River Spring/Summer Run Chinook Salmon**
- e. **Snake River Basin Steelhead**
- f. **Snake River Sockeye Salmon**
- g. **Columbia River Bull Trout**
- h. **American White Pelican (WA State Listing)**

- c. Is the site part of a migration route? If so, explain.

**Yes, Upper Columbia River Salmon and Steelhead migrate up the river. The site is also located in a migratory bird flyway.**

- 1) Proposed measures to preserve or enhance wildlife, if any:

**Work will be timed to minimize the potential impact on anadromous fish. Existing intake screens do not meet current National Marine Fisheries Service requirements. The new intake screens will meet current requirements and result in more uniform water velocities approaching the intake screens.**

**The work will also occur when pelicans are not nesting in the area.**

6. Energy and Natural Resources

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

**There will be no change in energy use resulting from the project.**

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

**No**

- c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

**None**

7. Environmental Health

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste that could occur as a result of this proposal? If so, describe.

**There is a small risk of a fuel or oil spill from construction equipment.**

- 1) Describe special emergency services that might be required.

**None**

- 2) Proposed measures to reduce or control environmental health hazards, if any:

**The Contractor will be required to have a Spill Prevention, Control and Counter Measures (SPCC) plan**

- b. Noise

- 1) What types of noise exist in the area that may affect your project (for example: traffic, equipment, operation, other)?

**None**

- 2) What types and level of noise would be created by or associated with the project on a short-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

**Construction equipment noise during construction. Noise would occur during daylight hours.**

- 3) Proposed measures to reduce or control noise impacts, if any:

**None**

8. Land and Shoreline Use

- a. What is the current use of the site and adjacent properties:

**The site is in river. Shoreline adjacent to the site is primarily industrial development.**

- b. Has the site been used for agriculture? If so, describe.

**No**

- c. Describe any structures on the site.

**Existing irrigation water intake screen and 66" diameter intake pipe.**

- d. Will any structures be demolished? If so, describe.

**Yes, the existing irrigation water intake screen will be removed.**

- e. What is the current zoning classification of the site?

**Rivers/Streams**

- f. What is the current comprehensive plan designation of the site?

**None**

- g. If applicable, what is the current shoreline master program designation of the site?

**N/A**

- h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

**No. This area of the river has been designated as critical habitat for several ESA listed fish.**

- i. Approximately how many people would reside or work in the completed project?

**None**

- j. Approximately how many people would the completed project displace?

**None**

- k. Proposed measures to avoid or reduce displacement impacts, if any:

**None**

- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

**None**

## 9. Housing

- a. Approximately how many units would be provided, if any? Indicate whether high, middle or low-income housing.

**None**

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middles, or low-income housing.

**None**

- c. Proposed measure to reduce or control housing impacts, if any:

**None**

## 10. Aesthetics

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

**Two existing round piles extend 8 to 10 feet above the water surface. Two existing H piles extend 3 to 4 feet above the water surface. A few additional piles may be added during the project and would extend similar distances above the water surface. The intake screens themselves are entirely submerged.**

- b. What views in the immediate vicinity would be altered or obstructed?

**None**

- c. Proposed measure to reduce or control aesthetic impacts, if any:

**None**

## 11. Light and Glare

- a. What type of light or glare will the proposals produce? What time of day would it mainly occur?

**None**

- b. Could light or glare from the finished project be a safety hazard or interfere with views?

**No**

- c. What existing off-site sources of light or glare may affect your proposal?

**None**

- d. Proposed measures to reduce or control light and glare impacts, if any:

**None**

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity:

**Boating, fishing and hunting.**

- b. Would the proposed project displace any existing recreational uses? If so, describe.

**No**

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

**Two existing piles have warning markers on them to help boaters see them.**

13. Historic and Cultural Preservation

- a. Are there any places or objects listed on, or proposed for, national, state or local preservation registers known to be on or next to the site? If so, generally describe.

**No**

- b. Generally describe any landmarks or evidence of historic archaeological, scientific, or cultural importance known to be on or next to the site.

**N/A**

- c. Proposed measures to reduce or control impact, if any.

**None**

14. Transportation

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans if any.

**The site is accessed by boat only. There are no roads.**

- b. Is site currently served by the public transit: If not, what is the approximate distance to the nearest transit stop?

**No, 14 miles**

- c. How many parking spaces would the completed project have? How many would the project eliminate:

**None/None**

- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

**No**

- e. Will the project use (or occur in the immediate vicinity of) water rail, or air transportation? If so, generally describe.

**The project will use water transportation during construction. Following construction there will be no transportation needs. There are four railroad tracks along the shoreline adjacent to the site and there is barge traffic on the river.**

- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

**None**

- g. Proposed measures to reduce or control transportation impacts, if any:

**None**

15. Public Services

- a. Would the project results in an increased need for public services (for example, fire protection, police protection, health care, schools, other)? If so, generally describe.

**No**

- b. Proposed measures to reduce or control direct impacts on public service, if any.

**None**

16. Utilities

- a. Circle utilities currently available at the site:

electricity   
  natural gas   
  water   
  refuse service  
 telephone   
  sanitary sewer   
  septic system   
  other:

- b. Describe the utilities that are proposed for the project, the utilities providing the service, and the general construction activities on the site or in the immediate vicinity that might be needed.

**None**

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the Lead Agency is relying on them to make its decision.

Signature:  Date: 7/26/13  
Gary J. Weatherly, P.E., Project Manager, J-U-B ENGINEERS, Inc.

**A. SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS**

(do not use this sheet for project actions)

*Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.*

*When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.*

1. How would the proposal be likely to increase discharge to water; emission to air; production, storage, or release of toxic or hazardous substances; or production of noise?

**There would be some temporary increases in water turbidity during construction due to pipe cleaning and excavation. None following construction. Equipment noise would occur during construction.**

- a. Proposed measures to avoid or reduce such increases are:

**Excavated material will be loaded on a barge and disposed of at an upland location. It will not be disposed of in the river. While the pipe is being cleaned a silt curtain will be placed over the pipe inlet and a small pump will be installed at the on shore end of the pipe to create a small flow of water onto the farm for disposal.**

2. How would the proposal be likely to affect plants, animals, fish, or marine wildlife?

**If fish are present during the work it would likely temporarily result in their avoiding the area. Any aquatic plant growth in the excavation area would be removed. Any birds present during the work would likely avoid the area.**

- a. Proposed measures to protect or conserve plants, animals, fish, or marine wildlife are:

**Work will be undertaken when anadromous fish are not in the area. The work window for anadromous fish also places the work outside the time period when pelicans would be nesting on a nearby island.**

3. How would the proposal be likely to deplete energy or natural resources?

**It would not.**

- a. Proposed measures to protect or conserve energy and natural resources are:

**None**

4. How would the proposal be likely to use or affect environmentally sensitive areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

**If ESA or State of Washington listed fish or wildlife are present while the work is underway they would likely avoid the area.**

- a. Proposed measures to protect such resources or to avoid or reduce impacts are:

**The work will be completed during January and February when most listed fish and wildlife are not in the area. Bull trout may be present in the Columbia River at this time but the area around the site lacks the habitat Bull Trout prefer making it unlikely they would be present.**

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

**It will not**

- a. Proposed measures to avoid or reduce shoreline and land use impacts are:

**None**

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

**It would not**

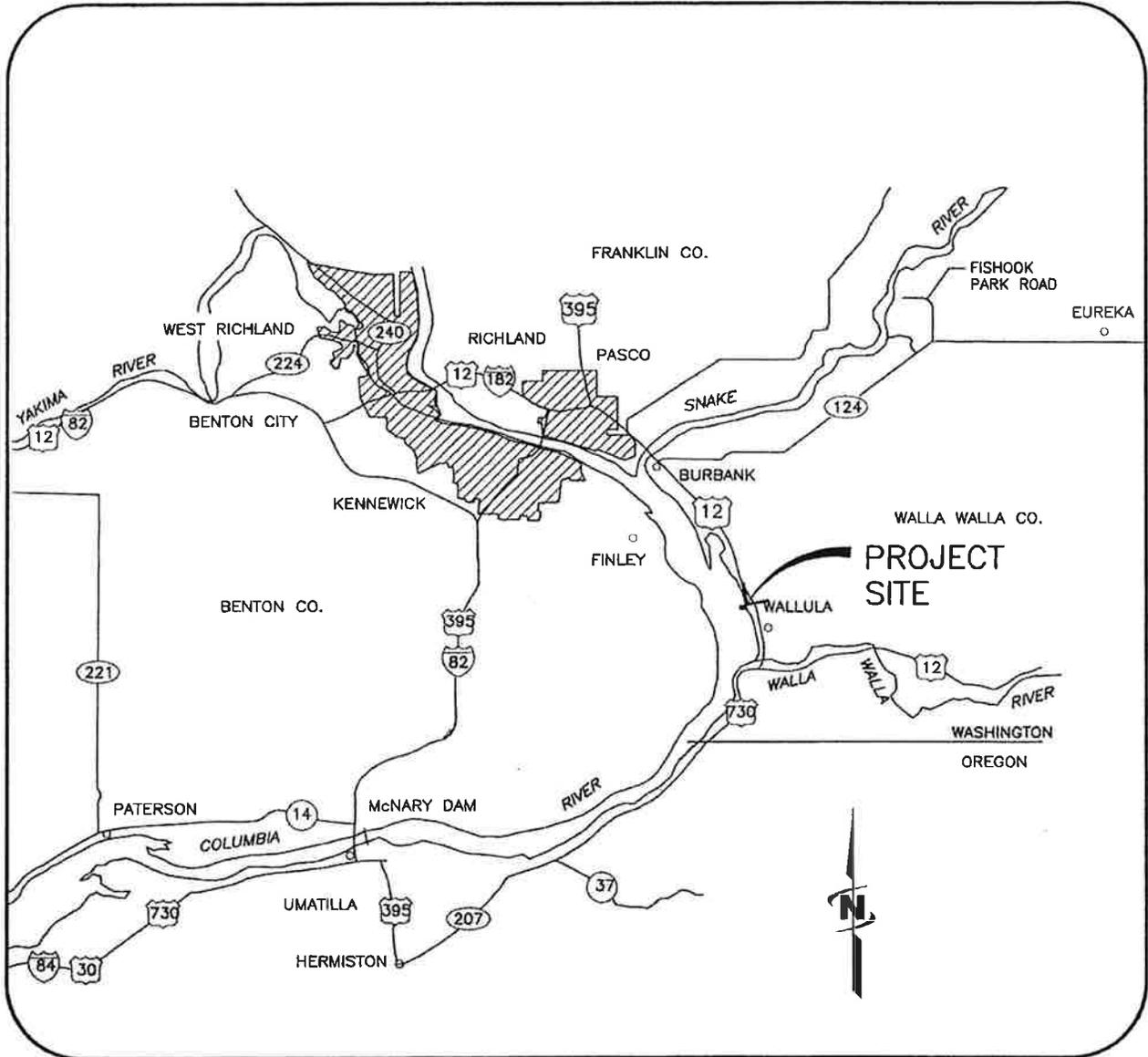
- a. Proposed measures to reduce or respond to such demand(s) are:

**None**

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

**The project should not conflict with local, state or federal laws.**

# LOCATION MAP



30-13-015 Corp 2013.dwg

REFERENCE NO.:

APPLICANT: LEGROW WATER COMPANY

ADJACENT PROPERTY OWNERS:

1. USA GOVERNMENT  
PARCEL: 310703230002
2. BOISE WHITE PAPER LLC  
PARCEL: 310703310009

LOCATION: SE1/4 SW1/4, SECTION 3  
T. 7 N., R. 31 E., WM

LAT/LONG: 46.11171, -118.92522

DATE: 4/23/2013  
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PROPOSED PROJECT:

INTAKE SCREEN IMPROVEMENTS

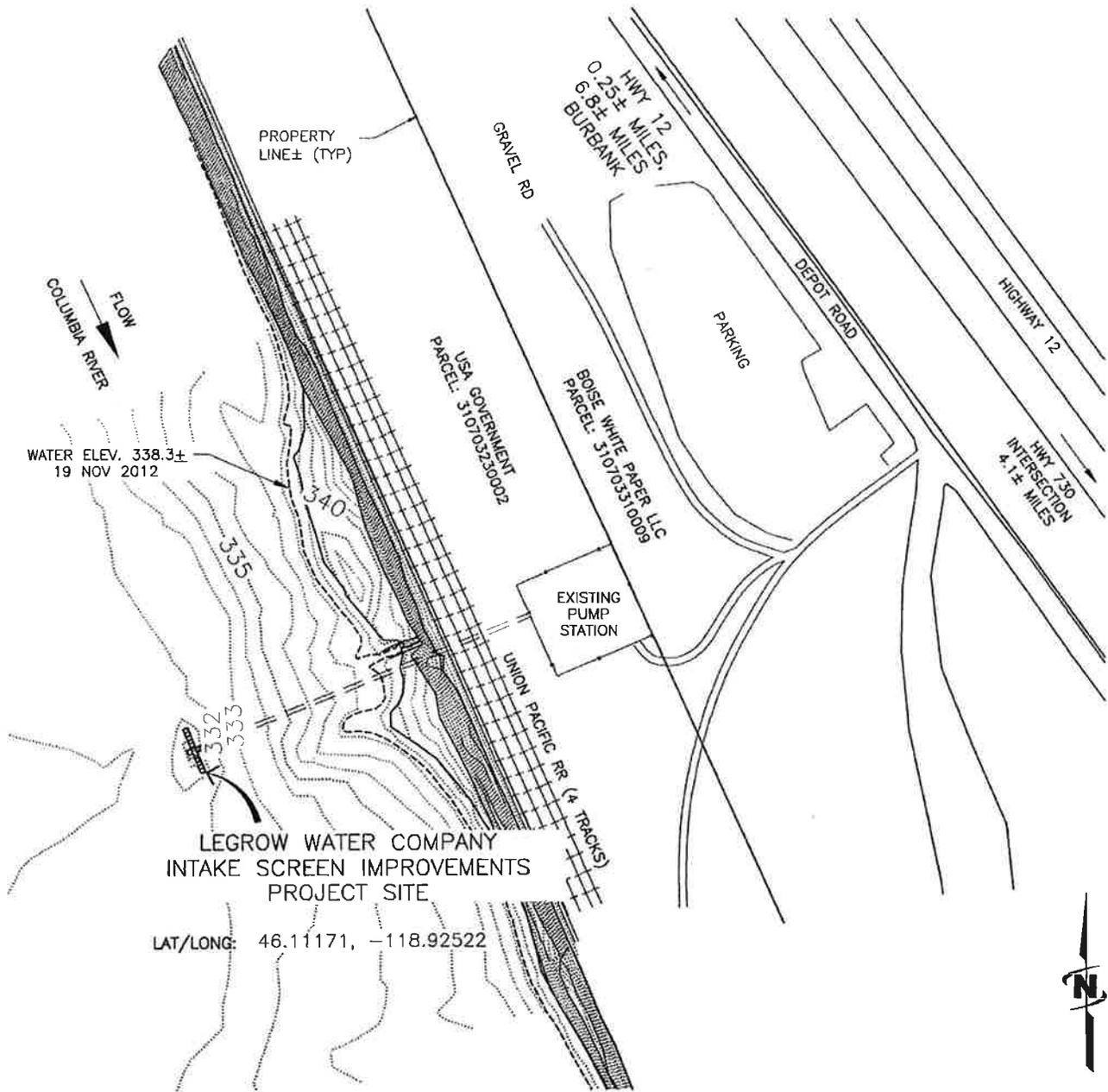
IN: COLUMBIA RIVER

NEAR: WALLULA

COUNTY: WALLA WALLA

STATE: WA

# VICINITY MAP



30-13-015 Corp 2013.dwg

REFERENCE NO.:

PURPOSED PROJECT:  
INTAKE SCREEN IMPROVEMENTS

APPLICANT: LEGROW WATER COMPANY  
P.O. Box 1306  
PASCO, WA 99301



DATE: 4/23/2013  
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LOCATION: SE1/4 SW1/4, SECTION 3  
T. 7 N., R. 31 E., WM

IN: COLUMBIA RIVER  
NEAR: WALLULA  
COUNTY: WALLA WALLA  
STATE: WA

