

**WHATCOM COUNTY**

Planning & Development Services  
5280 Northwest Drive  
Bellingham, WA 98226-9097  
360-778-5900, TTY 800-833-6384  
360-778-5901 Fax



**J.E. "Sam" Ryan**  
Director

**SEPA Distribution List**  
**SEP2017-00057**  
**Date of Issuance: May 4, 2017**

Please review this determination. If you have further comments, questions or would like a copy of the SEPA checklist, phone the responsible official at (360) 778-5900. Please submit your response by the comment date noted on the attached notice of determination.

WA State Department of Archaeology and Historic Preservation via email  
Gretchen Kaehler, gretchen.kaehler@dahp.wa.gov

SEPA Unit, WA State Department of Ecology, Olympia via email  
sepaunit@ecy.wa.gov

WA State Department of Fish and Wildlife via email  
Joel Ingram, joel.ingram@dfw.wa.gov

WA State Department of Natural Resources via email  
Rochelle Goss, sepacenter@dnr.wa.gov  
Brenda Werden, Brenda.werden@dnr.wa.gov

Lummi Nation Natural Resources  
Merle Jefferson, Sr. via email - merlej@lummi-nsn.gov  
Tamela Smart - tamelas@lummi-nsn.gov

Nooksack Indian Tribe  
George Swanaset, JR via email - george.swanasetjr@nooksack-nsn.gov  
Trevor Delgado via email - tdelgado@nooksack-nsn.gov

Terry J. Wechsler via email wechslerlaw@comcast.net

Applicant  
Derek DeKoster via email - dekosterexcavation@hotmail.com

Other and/or Parties of Record  
Reichhardt & Ebe Engineering, Dale Buys - via email - dale@recivil.com

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**J.E. "Sam" Ryan**  
Director

## SEPA Determination of Nonsignificance (DNS)

**File:** SEP2017-00057

**Project Description:**

Replacement of approximately 4,020 linear feet of an 8 inch water main along Depot Road. The proposed project also includes replacing fire hydrants and service connections. Construction activities include excavation and boring. Boring for the proposed water main will occur under the existing modified waterway located along the west side of Depot Road.

**Proponent:** Delta Water Association – Derik DeKoster

**Address and Parcel #:** 9600 block of Depot Road abutting APN#s 400305145334, 410332202066 and 400305195469

**Lead Agency:** Whatcom County Planning & Development Services

**Zoning:** Agriculture      **Comp Plan:** Agriculture      **Shoreline Jurisdiction:** N/A

The lead agency for this proposal has determined that with proper mitigation, no significant adverse environmental impacts are likely. Pursuant to RCW 43.21C.030(2)(c), an environmental impact statement (EIS) is not required. This decision was made following review of a completed SEPA environmental checklist and other information on file with the lead agency. This information is available to the public on request.

☐ There is no comment period for this DNS.

☒ Pursuant to WAC 197-11-340(2), the lead agency will not act on this proposal for 14 days from the date of issuance indicated below. Comments must be received by 4:00 p.m. on May 18, 2017 and should be sent to: Nick Smith, [nsmith@whatcomcounty.us](mailto:nsmith@whatcomcounty.us)

**Responsible Official:** Mark Personius, [mpersoni@whatcomcounty.us](mailto:mpersoni@whatcomcounty.us)

**Title:** Assistant Director

**Telephone:** 360-778-5900

**Address:** 5280 Northwest Drive  
Bellingham, WA 98226

**Date of Issuance:** May 4, 2017

**Signature:** 

An aggrieved agency or person may appeal this determination to the Whatcom County Hearing Examiner. Application for appeal must be filed on a form provided by and submitted to the Whatcom County Current Planning Division located at 5280 Northwest Drive, Bellingham, WA 98226, during the ten days following the comment period, concluding May 29, 2017.

You should be prepared to make a specific factual objection. Contact Whatcom County Current Planning Division for information about the procedures for SEPA appeals.

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**J.E. "Sam" Ryan**  
Director

**SEPA Determination of Nonsignificance (DNS)  
Legal Notice**

To be published one time only on: **May 4, 2017**

**CHARGE TO:** Whatcom County Planning & Development Services  
5280 Northwest Drive  
Bellingham, Washington 98226  
**Acct #451232**

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**WHATCOM COUNTY GIVES PUBLIC NOTICE THAT THE FOLLOWING SEPA  
THRESHOLD DETERMINATION OF NON-SIGNIFICANCE (DNS) HAS BEEN  
ISSUED TODAY SUBJECT TO THE 14 DAY COMMENT PERIOD  
CONCLUDING ON, May 18, 2017.**

**File:** SEP2017-00057

**Project Description:**

Replacement of approximately 4,020 linear feet of an 8 inch water main along Depot Road. The proposed project also includes replacing fire hydrants and service connections. Construction activities include excavation and boring. Boring for the proposed water main will occur under the existing modified waterway located along the west side of Depot Road.

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**Lead Agency:** Whatcom County Planning & Development Services

**Zoning:** Agriculture      **Comp Plan:** Agriculture      **Shoreline Jurisdiction:** N/A

**ANY PERSON OR AGENCY MAY APPEAL THE COUNTY'S COMPLIANCE WITH WAC 197-11 BY FILING AN APPEAL WITH THE WHATCOM COUNTY PLANNING AND DEVELOPMENT SERVICES LOCATED AT 5280 NORTHWEST DRIVE, BELLINGHAM, WA 98226. APPEALS MUST BE MADE WITHIN 10 DAYS AFTER THE END OF THE COMMENT PERIOD.**

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**J.E. "Sam" Ryan**  
Director

SEP 2017 - 00057

## SEPA Environmental Checklist

### Purpose of Checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

### Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions 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 impact.

### Use of Checklist for Non-Project Proposals:

For non-project proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the Supplemental Sheet for Non-project Actions (Part C). Please completely answer all questions that apply and note that the words "project", "applicant", and "property or site" should be read as "proposal", "proponent" and "affected geographic area", respectively. The lead agency may exclude (for non-projects) questions in Part B – Environmental Elements that do not contribute meaningfully to the analysis of the proposal.

Reviewed by NAS  
4/28/17

## A. Background

APR 24 2017

### Whatcom County PDS

1. Name of proposed project, if applicable:

*Depot Rd Water Main Replacement* ✓

2. Name of applicant:

*Delta Water Association* ✓

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

*Attn: Derek DeKoster*

*PO Box 523*

*Lynden, WA 98264* ✓

*[DeKosterExcavation@hotmail.com](mailto:DeKosterExcavation@hotmail.com)*

*360-815-7129*

4. Date checklist prepared:

*April 21, 2017* ✓

5. Agency requesting checklist:

*Whatcom County Planning Department* ✓

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

*Construction for this project is scheduled for either May or summer 2017.* ✓

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

*There are no plans to expand this effort at this time.* ✓

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

*None* ✓

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 government approvals or permits that will be needed for your proposal, if known.

*Department of Fish & Wildlife Hydraulic Project Approval, Whatcom County Revocable  
Encroachment Permit, Whatcom County Land Disturbance and Clearing Permit, Whatcom  
County Notification of Activity*

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. (Lead agencies may modify this form to include additional specific information on project description.)

*This proposal is for the replacement of approximately 4,020 linear feet of 8 inch water main along Depot Rd. Along with replacing the water main, fire hydrants and services to residence will be replaced by boring under the existing ditch on the west side of Depot Rd to locate service areas on the east side of Depot Rd.*

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.

*This proposal is located on the length of Depot Rd between Prairie Rd and Visser Rd. This is located in Section 5, Township 40N, and Range 3E. The water main to be replaced is located on the west side of Depot Rd within an easement on three parcels (4003051453340000, 4003051954690000, 4103322020660000). Project plans are attached.*

## **B. ENVIRONMENTAL ELEMENTS**

### **1. Earth**

a. General description of the site:

(circle one): ☒ Flat, rolling, hilly, steep slopes, mountainous, other \_\_\_\_\_

*The site is located among relatively flat agricultural fields.*

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

*The steepest slope on the site is the slope of the ditch. The ditch has a side slope of approximately 60%, but the ditch will not be disturbed during this project in order to protect wildlife habitat. The approximate maximum slope of the replacement area is about 3%.*

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 agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.



*Soils in the proposal area is primarily silt loam, which will not be removed from the proposed area.* ✓

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

*No surface indications or history of unstable soils.* ✓

- e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

*A trench with a width of approximately 4ft and a depth of approximately 4.25ft will be excavated, and filled with pipe bedding and native soil. There will not be any grading.* ✓

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

*Clearing and construction should not cause erosion in the project area because there will be no work done on the steep slopes of the ditch.* ✓

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

*No impervious surfaces will be added to the site.* ✓

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

*No erosion control is needed as this is a linear installation in farm fields. However, should the need occur, the contractor will utilize BMP's found in Volume 2 of the Stormwater Management Manual for Western Washington.* ✓

## 2. Air

- a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

*Normal construction equipment will emit during construction.* ✓

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

*None.* ✓

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

*N/A.* ✓

## 3. Water

- a. Surface Water:

- 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.

*Roadside Ditch of Depot Rd.* ✓

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

*Yes, The project will be adjacent to the ditch. The center of the trench will be 5ft from the top of bank of the ditch, as shown in the attached plans.* ✓

- 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.

*None.* ✓

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

*No.* ✓

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

*No.* ✓

- 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 Water:

- 1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

No. ✓

- 2) Describe waste material that will be discharged 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 system(s) are expected to serve.

Not applicable. ✓

c. Water runoff (including stormwater):

- 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.

Not Applicable. ✓

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

No. ✓

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

No. ✓

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

Not applicable. ✓

Standard erosion and control measures will be required to reduce sediment run-off. NAS

4. Plants

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

- ☐ deciduous tree: alder, maple, aspen, other
  - ☐ evergreen tree: fir, cedar, pine, other
  - ☐ shrubs
  - ☒ Grass
  - ☒ Pasture
  - ☒ crop or grain
- ✓

- ☐ Orchards, vineyards or other permanent crops.
- ☐ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- ☐ water plants: water lily, eelgrass, milfoil, other
- ☐ other types of vegetation

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

*Grass, pasture, or crops within the construction easement will be removed for construction. Disturbed areas will be stabilized with vegetation in accordance with the farmers recommendations.* ✓

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

*There are no known endangered plant species in the project area.* ✓

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

*Vegetation within the construction easement will be replaced after construction.* ✓

e. List all noxious weeds and invasive species known to be on or near the site.

*None known. Farmers should have controlled invasive species.* ✓

## 5. Animals

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site.

*Birds: Hawks, grouse, quail, pheasants, killdeer, gulls, doves, owls, hummingbirds, flickers, woodpeckers, kingfishers, phoebes, larks, swallows, martins, hays, ravens, crows, chickadees, bushtits, wrens, robins, thrushes, kinglets, pipits, waxwings, starlings, warblers, meadowlarks, and migratory wildfowl.* ✓

*Mammals: Opossums, shrews, moles, bats, rabbits, beaver, gophers, skunks, woodrats, voles, mice, weasels, coyotes, and domestic animals.*

*Fish: WDFW lists Puget Sound Chinook Salmon. However, the ditch is plagued by multiple fish passage barriers.*

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

*WDFW lists Puget Sound Chinook Salmon.* ✓

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

*No.* ✓

d. Proposed measures to preserve or enhance wildlife, if any:

*No construction will be done within the ditch to preserve wildlife in that habitat.* ✓

e. List any invasive animal species known to be on or near the site.

*Unknown.* ✓

## 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.

*Pumps to move water in the new water main will use fossil fuels or electricity, as they did before the water main is replaced.* ✓

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:

*Not Applicable.* ✓

## 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.

*No environmental health hazards.* ✓

1) Describe any known or possible contamination at the site from present or past uses.

*None anticipated.* ✓

2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

*None.* ✓

3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

*Fossil fuels will be used to power construction vehicles on the site, but will not be stored on site, or after the project is complete.* ✓

4) Describe special emergency services that might be required.

*None.*



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

*Compliance with industrial safety standards in design and construction.* ✓

b. Noise

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

*None.* ✓

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

*There will be construction noise on the site during day time work hours.* ✓

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

*This construction is located on rural farm land where there is little noise impacts.* ✓

8. Land and Shoreline Use

- a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

*Land use in the area is agricultural. The proposal would not change the land use after construction.* ✓

- b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

*The proposed water main replacement will be constructed in agricultural fields used for farming. After construction, these fields will be used for agriculture again, so no land uses will change.* ✓

- 1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

*The proposed project is located on an easement owned by Delta Water Association and will not be disrupting any agricultural activity.* ✓

- c. Describe any structures on the site.

*No structures on site.* ✓

✓

d. Will any structures be demolished? If so, what?

*No.* ✓

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

*Agriculture* ✓

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

*Agriculture* ✓

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

*Not listed on County map.* ✓

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

*No.*

*The drainage/stream may be classified as a critical Area.*

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

*Not applicable.* ✓

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

*None.* ✓

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

*Not applicable.* ✓

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

*This proposal does not change the land use.* ✓

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

*Not applicable.* ✓

✓

## 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, middle, or low-income housing.

*None.* ✓

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

*Not Applicable.* ✓

## 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?

*Not Applicable.* ✓

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

*Not Applicable.* ✓

- b. Proposed measures to reduce or control aesthetic impacts, if any:

*Not Applicable.* ✓

## 11. Light and Glare

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

*Not Applicable.* ✓

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

*Not Applicable.* ✓

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

*Not Applicable.* ✓

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

*Not Applicable.* ✓



## 12. Recreation

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

*None.* ✓

- 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:

*None.* ✓

## 13. Historic and cultural preservation

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe.

*No* ✓

- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

*No* ✓

- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

*Not applicable.* ✓

- c. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

*Not applicable.* ✓

## 14. Transportation

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

*Depot Rd serves the site but will not be affected by construction.* ✓

- b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

*Not Applicable.* ✓

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

*Not Applicable.* ✓

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

*No.* ✓

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

*No.* ✓

- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

*None.* ✓

- g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

*No.* ✓

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

*Not Applicable.* ✓

## 15. Public Services

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

*No.* ✓

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

*Not Applicable.* ✓

## 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 utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

*The water utility available on this site is just being replaced. No added utilities.*



### 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: 

Name of signee Derek DeKoster

Position and Agency/Organization President, Delta Water Association

Date Submitted: April 21, 2017



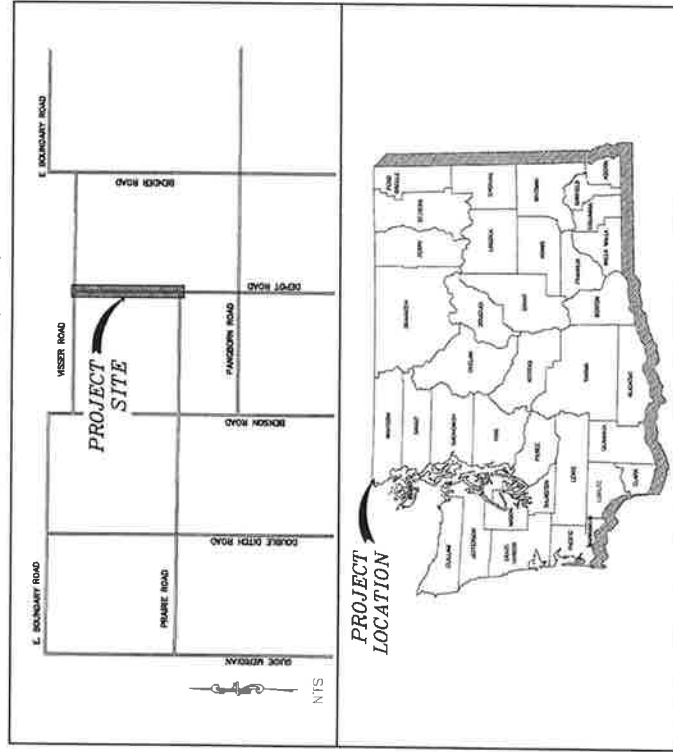
<b>Job Site Address</b>	<b>Parcel Number</b>	<b>Parcel Size</b>
9540 Benson Rd, Lynden, WA 98264	400305145334	72.62 acres
603 Visser Rd, Lynden, WA 98264	410332202066	37.77 acres
Depot Rd, Lynden, WA 98264	400305195469	36.69 acres

# DEPOT RD. WATER MAIN REPLACEMENT

DELTA WATER ASSOCIATION  
LYNDEN, WA

## VICINITY MAP

PROJECT LOCATED IN SECTION 5, TOWNSHIP 40N, RANGE 3E, W.M.  
AND IN SECTION 32, TOWNSHIP 41N, RANGE 3E, W.M.



SHEET SERIES INDEX	
SHEET	DESCRIPTION
1	COVER
2	LEGEND ABBREVIATIONS AND NOTES
3	STA 11+00 TO 15+00
4	STA 15+00 TO 20+50
5	STA 20+50 TO 25+70
6	STA 25+70 TO 30+40
7	STA 30+40 TO 35+50
8	STA 35+50 TO 40+40
9	STA 40+40 TO 45+30
10	STA 45+30 TO 49+84.13
11	DETAILS

REVIEW APPROVAL  
I hereby approve this project for construction and construction of public works engineering services.  
DATE: 4/24/2017  
BY: [Signature]  
TITLE: [Title]

APR 24 2017

Whatcom County PDS




DESIGNED BY R&E Reichhardt & Ebe ENGINEERING INC PO Box 6781 425 First Street, Lynden, WA 99224 (509) 224-3867 FAX (509) 224-3867	DATE 4/24/2017	SCALE N/A	PROJECT DEPOT ROAD WATER MAIN REPLACEMENT COVER	SHEET 6038.6	OF 1
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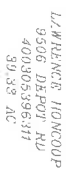
[illegible][illegible]

1. ALL INFORMATION SHALL BE MAINTAINED IN CONFIDENTIALITY AND DISCLOSED ONLY IN ACCORDANCE WITH THE CHARTER SCHEDULES.
2. THE INFORMATION SHALL NOT BE DISCLOSED TO ANY OTHER PERSONS OR ENTITIES WITHOUT THE AUTHORITY OF THE CHARTER SCHEDULES.
3. THE INFORMATION SHALL NOT BE USED FOR ANY PURPOSES OTHER THAN THE PURPOSES OF THE CHARTER SCHEDULES.
4. MAINTENANCE OF CONFIDENTIALITY OF THE CHARTER SCHEDULES IS A REQUIREMENT OF THE CHARTER SCHEDULES. THE INFORMATION OF THE CHARTER SCHEDULES IS NOT TO BE DISCLOSED TO ANY OTHER PERSONS OR ENTITIES WITHOUT THE AUTHORITY OF THE CHARTER SCHEDULES.
5. THE INFORMATION SHALL BE MAINTAINED IN CONFIDENTIALITY AND DISCLOSED ONLY IN ACCORDANCE WITH THE CHARTER SCHEDULES.
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10. THE INFORMATION SHALL BE MAINTAINED IN CONFIDENTIALITY AND DISCLOSED ONLY IN ACCORDANCE WITH THE CHARTER SCHEDULES.

1. THE NAME OF THE PERSON IS JOHN EDWARD GALT
2. THE ADDRESS OF THE PERSON IS 1000 1/2 N. 1ST ST. ST. LOUIS, MO.
3. THE PERSON IS WHITE MALE, 35 YEARS OF AGE, 5'10" TALL, 175 LBS. WEIGHT, BROWN HAIR, BROWN EYES, NO SCARS OR TATTOOS.
4. THE PERSON IS NOT A MEMBER OF ANY ORGANIZATION.
5. THE PERSON IS NOT A MEMBER OF ANY PARTY.
6. THE PERSON IS NOT A MEMBER OF ANY CLUB.
7. THE PERSON IS NOT A MEMBER OF ANY SOCIETY.
8. THE PERSON IS NOT A MEMBER OF ANY ASSOCIATION.
9. THE PERSON IS NOT A MEMBER OF ANY ORDER.
10. THE PERSON IS NOT A MEMBER OF ANY FRATERNITY.
11. THE PERSON IS NOT A MEMBER OF ANY GUILD.
12. THE PERSON IS NOT A MEMBER OF ANY LODGE.
13. THE PERSON IS NOT A MEMBER OF ANY CHAPTER.
14. THE PERSON IS NOT A MEMBER OF ANY BRANCH.
15. THE PERSON IS NOT A MEMBER OF ANY DISTRICT.
16. THE PERSON IS NOT A MEMBER OF ANY TERRITORY.
17. THE PERSON IS NOT A MEMBER OF ANY PROVINCE.
18. THE PERSON IS NOT A MEMBER OF ANY KINGDOM.
19. THE PERSON IS NOT A MEMBER OF ANY EMPIRE.
20. THE PERSON IS NOT A MEMBER OF ANY COMMONWEALTH.
21. THE PERSON IS NOT A MEMBER OF ANY REPUBLIC.
22. THE PERSON IS NOT A MEMBER OF ANY DOMINION.
23. THE PERSON IS NOT A MEMBER OF ANY PRINCEDOM.
24. THE PERSON IS NOT A MEMBER OF ANY ARCHDUCHE.
25. THE PERSON IS NOT A MEMBER OF ANY GRAND DUCHY.
26. THE PERSON IS NOT A MEMBER OF ANY GRAND PRINCEDOM.
27. THE PERSON IS NOT A MEMBER OF ANY GRAND EMPIRE.
28. THE PERSON IS NOT A MEMBER OF ANY GRAND COMMONWEALTH.
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99. THE PERSON IS NOT A MEMBER OF ANY GRAND REPUBLIC.
100. THE PERSON IS NOT A MEMBER OF ANY GRAND DOMINION.

[illegible]

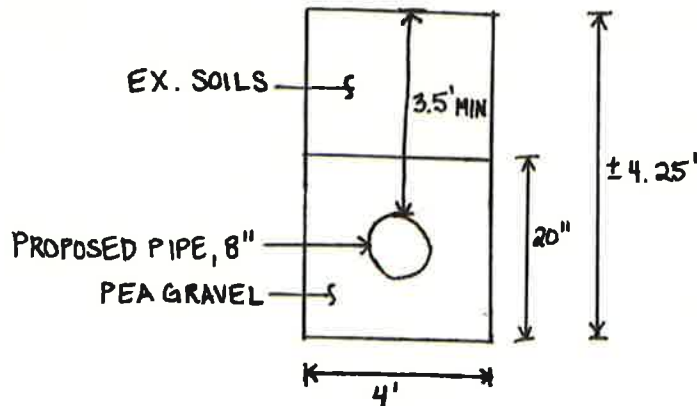
 <b>Relchardt &amp; Ebe</b> <b>ENGINEERING INC</b> P.O. Box 678 1422 Front Street, Linden, VA 22654 (800) 354-3857 810 Medical Street, Bedford-Woodley, VA 22624 (540) 855-4713 Fax: (540) 855-4713		REGISTERED BY: <input type="checkbox"/> CLERK: <input type="checkbox"/> JUDGE: <input type="checkbox"/> RWC: <input type="checkbox"/> C-25000 JV: <input type="checkbox"/> CH/FOLO: <input type="checkbox"/>		24°C 18-20°C FISH		DELTA WATER ASSOCIATION PO BOX 523 LINDEN, VA 22654 BY:		DEPOT ROAD WATER MAIN REPLACEMENT LEGEND APPROPRIATIONS AND NOTES 6036.6 6036.6 COVER - DEPOT 4/24/2017 2	
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60306.6 PROBABSE - DEPT		DATE
4/24/2017		
TIME	SCALE	
00306.6	11:11-20'	W: 1"=2'
3		



1/31/17



## 1. EXCAVATION:

$$\text{AREA} \times \text{LENGTH} = \text{VOLUME}$$

$$(4.25' \times 4') \times 4020' = 68,340 \text{ ft}^3 \div 27 \frac{\text{ft}^3}{\text{yd}^3} = 2,531.11 \text{ yd}^3$$

$$\rightarrow \underline{2,535 \text{ yd}^3}$$

## 2. FILL:

\* NATIVE MATERIALS WILL BE USED AS BACKFILL TO THE MAXIMUM EXTENT POSSIBLE. ALL NATIVE SOIL THAT IS NOT USED AS BACKFILL WILL BE SPREAD ON ADJACENT AGRICULTURAL FIELDS.

## • PEA GRAVEL -

$$(\text{AREA GRAVEL} - \text{AREA PIPE}) \times \text{LENGTH} = \text{VOLUME}$$

$$(4' \times 1.66' - \frac{\pi}{4} (8'')^2) \times 4020' = 25,369.96 \text{ ft}^3 \div 27 \frac{\text{ft}^3}{\text{yd}^3} = 939.63 \text{ yd}^3$$

$$\rightarrow \underline{940 \text{ yd}^3}$$

## • NATIVE BACKFILL -

$$\text{VOLUME EXCAVATION} - \text{VOLUME PEA GRAVEL} = \text{VOLUME NATIVE BACKFILL}$$

$$2,535 - 940 = \underline{1,595 \text{ yd}^3}$$

## • NATIVE TO BE SPREAD ON FIELD -

$$\text{VOLUME EXCAVATION} - \text{VOLUME NATIVE BACKFILL} = \text{VOLUME TO BE SPREAD}$$

$$2,535 - 1,595 = 940 \text{ yd}^3$$





## - Vicinity Map



Subject Area

APN# 400305 145334

APN# 410332 202066

APN# 400305 195469

USE OF WHATCOM COUNTY'S GIS DATA IMPLIES THE USER'S AGREEMENT WITH THE FOLLOWING STATEMENT:

Whatcom County disclaims any warranty of merchantability or warranty of fitness of this map for any particular purpose, either express or implied. No representation or warranty is made concerning the accuracy, currency, completeness or quality of data depicted on this map. Any user of this map assumes all responsibility for use thereof, and further agrees to hold Whatcom County harmless from and against any damage, loss, or liability arising from any use of this map.

April 2017

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