



## NOTICE OF PUBLIC HEARING & DETERMINATION OF NON-SIGNIFICANCE

**NOTICE IS HEREBY GIVEN** that the Stanwood City Council will hold a Public Hearing on the evening of **Thursday, March 26, 2015 at 7:00 p.m.** at the Stanwood School District Administration Building Board Room, 26920 Pioneer Highway to consider the following:

**File Number:** 2015 Water Comprehensive Plan

**Applicant:** City of Stanwood Public Works Department  
Kevin Hushagen, Director  
26729 98th Ave NW  
Stanwood, WA 98292

**Project Location:** Applies to all properties within the incorporated City of Stanwood, Stanwood's UGA, and areas within Stanwood's water service area.

**Description:** The proposed non-project action is the development of a Sewer System Comprehensive Plan (WSP) to serve the sewage needs of the City of Stanwood and its associated growth areas as identified in the Stanwood Land Use Element of the Comprehensive Plan. The City's WSP proposes various improvements that are necessary to resolve existing system deficiencies and plan for the projected growth of water system customers. The WSP details the service area, existing facilities and water use, as well as the construction, operation, financing, and maintenance requirements for the water system. The WSP was prepared in accordance with WAC 246-290-100.

**SEPA Threshold Determination:** Determination of Non-Significance (DNS). The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. Accordingly, an environmental impact statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision was made after review of a completed environmental checklist and other information on file with the City. The DNS and other related information is available to the public on request.

The DNS is issued under WAC 197-11-340. **Written comments on the SEPA DNS must be submitted by Tuesday, March 17, 2015 at 5:00 p.m.** Pursuant to SMC 17.149.070, Appeal of the DNS must be made to the city hearing examiner within 14-days of the date the DNS is final (see WAC 197-11-390(2)(a)).

**How to Become a Party of Record:** Any person wishing to comment on this application may do so at the Public Hearing on the above-referenced date, place and time by testifying or providing written testimony; or send written comments, including a USPS return mailing address, to the Responsible Official listed below. E-mail address [ryan.larsen@ci.stanwood.wa.us](mailto:ryan.larsen@ci.stanwood.wa.us).

**SEPA Responsible Official:**

Ryan C. Larsen, Director  
Community Development  
10220 270<sup>th</sup> St. NE  
Stanwood, WA 98292

Date: February 27, 2015

Signature:   
Ryan C. Larsen, Director

If reasonable accommodation due to a disability is needed, contact Devin Tokizawa at (360) 628-2181 at least 48 hours prior to the meeting date.

*Publish: March 3, 2015*



## CITY OF STANWOOD ENVIRONMENTAL CHECKLIST

### *Purpose of checklist:*

The State Environmental Policy Act (SEPA), chapter 43.21C 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 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 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.

## A. BACKGROUND

1. Name of proposed project, if applicable:

City of Stanwood 2015 Comprehensive Water System Plan

2. Name of applicant:

City of Stanwood

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

Mr. Kevin Hushagen, Public Works Director  
City of Stanwood  
10220 270<sup>th</sup> Street NW  
Stanwood, WA 98292  
(360) 629-9782

4. Date checklist prepared:

October 31, 2014

5. Agency requesting checklist:

City of Stanwood

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

The City of Stanwood (City) 2015 Comprehensive Water System Plan (WSP) proposes projects that will rehabilitate and replace aging water main and facilities, as well as construct new facilities to accommodate future growth. The WSP Capital Improvement Program (CIP) recommends a schedule for construction of various specific improvements to the water system between 2015 and 2025. General strategies are identified beyond 2025, however another WSP update will be performed in 2024.

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

Yes. This WSP proposes construction of water mains, water storage facilities, pump stations, improvements to supply sources, and various associated appurtenances necessary to provide adequate potable water service and fire protection capabilities for the current and future residents of the water service area. In addition, this WSP responds to both current infrastructure needs and planning for future growth. The WSP anticipates a level of population growth established in the City of Stanwood Comprehensive Plan. If the City's Comprehensive Plan identifies a new growth pattern in the future, the subsequent WSP update will reflect this modified growth.

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

Environmental checklists and required related studies will be prepared for individual construction projects listed in the WSP.

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.

None known.

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

Department of Health, Department of Ecology.

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.)

The City's WSP proposes various improvements that are necessary to resolve existing system deficiencies and plan for the projected growth of water system customers. The WSP details the service area, existing facilities and water use, as well as the construction, operation, and maintenance requirements for the water system. The WSP was prepared in accordance with WAC 246-290-100.

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 WSP addresses water system improvements throughout the City limits, urban growth area (UGA) and the future water service area. The future water service area was jointly defined as part of the North Snohomish County Coordinated Water System Plan.

## **B. ENVIRONMENTAL ELEMENTS**

### *1. Earth*

a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other.

Ground slopes in the project area vary from generally flat in the western portion of the City to as much as 25 to 65 percent in steep slope areas located adjacent to Church Creek in the uplands.

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

The steepest slopes in the City are associated with the Church Creek riparian corridor and are up to 65 percent in some areas.

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.

The soils in the area include Puget-Sultan-Pilchuck soils (consisting primarily of Puget silty clay loam) in the flat alluvial portions of the City's service area, and Tokul-Pastik soils (mainly Bellingham silty clay loam and Tokul gravelly loam) in the higher elevations of the eastern portion of the City's service area. The Bellingham silty clay loam and Pastik silt loam, 0-to-8 percent slopes, are associated with lacustrine deposits mixed with alluvium and volcanic ash, respectively. Tokul gravelly loam, 8 to 15 percent slopes, and Tokul-Winston gravelly loam, 25 to 65 percent slopes, are both volcanic ash over basal till. The Tokul-Winston gravelly loam is found throughout the steeply incised Church Creek corridor. The checklists for individual projects will further address this on a site specific basis.

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

According to the Geologic Hazards Map (Figure NF-7a) in the City's *2004 Comprehensive Plan Update*, there is a zone of moderate landslide risk associated with moderate slopes of moderate erosion potential along the Church Creek corridor. Along much of Pioneer Highway and the Jorgenson Slough, there is a zone of high landslide risk associated with steep slopes of high erosion potential. Most of the western portion of the City has a high incidence of landslides. The eastern portion of the City has a low incidence of landslides. Most areas beyond the Church Creek and Pioneer Highway/Jorgenson Slough corridors are at low landslide risk and are associated with slight slopes and slight erosion potential. According to the Geologic Hazards Map, most of the western portion of the City is at high risk for seismic hazards, and much of the eastern portion of the City is at low or very low risk for seismic hazards. Slopes, erosion and landslide risks reflect U.S. Department of Agriculture (USDA) data. The incidence of landslide hazards reflects U.S. Geological Survey (USGS) data. Seismic hazards data was gathered from the Washington State Department of Natural Resources (DNR). The checklists for individual projects will further address this on a site specific basis.

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

No excavations will occur at this stage of plan adoption. The checklists for individual projects will define the purpose, type and approximate quantities of filling and grading on a site specific basis.

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

Some erosion could potentially occur during the construction of the proposed projects. The checklists for individual projects will further address this on a site specific basis.

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

New reservoir, pump station, and other facility projects may result in an increase in impervious surfaces. The checklists for individual projects will identify impervious surfaces on a project specific basis. Water main projects will not likely result in new impervious surfaces. Future water main projects will likely be completed in conjunction with new road projects, but will not specifically result in new impervious surfaces.

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

Construction performed during dry periods (between May 1<sup>st</sup> and September 30<sup>th</sup>), followed by landscaping and restoration of existing ground contours, features and substrates, will significantly reduce potential erosion impacts. Temporary Erosion and Sedimentation Control (TESC) plans will need to be developed using the City-adopted 2012 Edition of the Washington State Department of Ecology's *Stormwater Management Manual for Western Washington* and approved by the City prior to any construction project.

The provisions set forth in Stanwood Municipal Code Chapter 17.115 Critical Areas shall be met for any projects occurring within a critical area. The checklists for individual projects will further address this on a site specific basis.

## 2. Air

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

Temporary construction machinery and vehicle exhaust emissions are anticipated during construction of the proposed projects. Dust emissions during excavation may also occur. There shall be no emissions to the air resulting from the operation of the finished projects, with the exception of vehicle emissions generated during employee site visits.

Indirect emissions of the project include those resulting from expanded development within the urban growth area (UGA), such as construction vehicle exhaust and dust, and personal vehicle exhaust and wood/pellet burning stoves. The checklists for individual projects will further address this on a site specific basis.

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

None known.

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

Vehicle emissions shall be kept to a minimum by turning off construction equipment and other vehicles instead of allowing them to idle during periods when they are not being used. Appropriate dust control measures (sweeping, watering) will be implemented as part of each project's TESC plan to keep construction-generated dust to a minimum. The checklists for individual projects will further address this on a site specific basis.

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.

Church Creek and Freedom Creek flow through the eastern portion of the City's water service area, from north to south. Both flow into Jorgenson Slough which is tributary to the Stillaguamish River that flows along the southern edge of the water service area. Palustrine wetlands exist throughout the UGA. Similarly, the Stillaguamish River is associated with estuarine wetlands below the Jorgenson Slough confluence. Douglas Creek is located in the northern portion of the water service area and flows into Skagit Bay. The western portion of the City is also within the 100-year floodplain. The checklists for individual projects will further define surface water bodies located in the immediate vicinity of the specific projects.

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.

Proposed CIP projects recommended in the WSP will come near or cross Douglas Creek, Church Creek, Jorgenson Slough, Hatt Slough and the Stillaguamish River. Only conceptual routing has been identified for these projects. The checklists for individual projects will further address this on a site specific basis.

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.

No fill or dredge activities in water bodies or wetlands is anticipated.

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

No surface water withdrawals or diversions are anticipated. The City is fully reliant on groundwater withdrawal for its water supply.

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

The proposed improvements in the western portion of the planning area are located within the 100-year floodplain. The eastern portion of the City's water system is outside of the 100-year floodplain. The checklists for individual projects will further address this on a site specific basis.

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.

The City is fully reliant on groundwater withdrawal for its water supply. The WSP describes each of the existing withdrawal points in detail. In 2013, the City withdrew approximately 0.83 million gallons of groundwater per day from existing sources for municipal water supply purposes.

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.

Runoff control during construction will be prescribed in construction documents and individual project TESC plans. The checklists for individual projects will further address this on a site specific basis.

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:

- In all areas of special flood hazard, the provisions set forth in the Stanwood Municipal Code Chapter 17.120 Critical Areas – Frequently Flooded Area – Specific Standards shall be met.
- In all wetlands and wetland buffers, the provisions set forth in the Stanwood Municipal Code Chapter 17.125 Critical Areas – Wetlands – Specific Standards shall be met.
- In all areas of aquifer recharge, including Wellhead Protection Areas, the provisions set forth in the Stanwood Municipal Code Chapter 17.135 Critical Areas – Critical Aquifer Recharge Areas – Specific Standards shall be met.
- Construction would typically be performed during dry periods between May 1<sup>st</sup> and September 30<sup>th</sup>, followed by landscaping and restoration of existing ground contours, features and substrates. TESC plans will need to be developed and approved by the City prior to any construction project. The provisions set forth in Stanwood Municipal Code Chapter 17.140 Stormwater Management Performance Standards shall be met.
- The checklists for individual projects will further address this on a site specific basis.

#### 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  
 grass  
 pasture  
 crop or grain  
 wet soil plants: cattail, buttercup, bull rush, 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?

Generally, CIP projects occur in unvegetated improved rights-of-way or new rights-of-way cleared for road improvements; however, some specific projects may require the removal of vegetation. The checklists for individual projects will further address this on a site specific basis.

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

According to the DNR Natural Heritage Program (NHP), a Natural Heritage Feature is recorded for Section 25, Township 32, Range 03E. This section contains part of the Stillaguamish River, and the City's Wastewater Treatment Plant. NHP's List of Known Occurrences of Rare Plants in Washington for Snohomish County contains one Federal

Species of Concern, stalked moonwort, *Botrychium pedunculatum*, but no listed threatened or endangered species. NHP's Snohomish County list does contain three State-threatened plant species. They are: Smoky Mountain sedge, *Carex proposita*, water lobelia, *Lobelia dortmanna*, and Choris' bog-orchid, *Platanthera chorisiana*. This list is county-wide and does not necessarily reflect occurrence of these species in the City. The checklists for individual projects will further address this on a site specific basis.

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

Landscaping and screening may be part of the requirements for facility projects. Any necessary landscaping shall utilize native plants when appropriate. The checklists for individual projects will further address this on a site specific basis.

### 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:  
mammals: deer, bear, elk, beaver, other:  
fish: bass, salmon, trout, herring  
other: rainbow trout

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

The Washington State Department of Fish and Wildlife (WDFW) Salmonid Stock Inventory (SaSI) indicated the following threatened species presence and status within Church Creek/Jorgenson Slough and the Stillaguamish River.

#### Church Creek/Jorgenson Slough

- Winter steelhead (*Oncorhynchus mykiss*) – depressed status

#### Stillaguamish River

- Winter steelhead (*O. mykiss*) – depressed status
- Summer steelhead (*O. mykiss*) – depressed status
- Bull trout (*Salvelinus confluentus*) – Designated Critical Habitat

The Chinook salmon (*O. tshawytscha*) Puget Sound ESU and Steelhead (*O. mykiss*) Puget Sound DPS encompass City limits and are listed as threatened under the Endangered Species Act. Bull trout (*S. confluentus*) are listed as threatened and have designated critical habitat in the Stillaguamish River.

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

Bald eagles (not federally listed, but still protected under the Migratory Bird Treaty and Bald and Golden Eagle Protection Act) have been reported in the City's water service area. The Puget Sound Lowlands are part of the Pacific Flyway for migratory birds, and birds regularly use areas within the City for resting and feeding during the migratory season.

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

Construction work must occur within specific windows that do not interfere with migration and spawning of listed salmonids and nesting bald eagles. Construction activities must meet the provisions set forth in Stanwood Municipal Code Chapter 17.130 Critical Areas – Fish and Wildlife Habitat Conservation Areas – Specific Standards.

#### 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.

Petroleum fuels and lubricants will be consumed by machinery used during construction. Operation of some water system facilities will require electricity and backup diesel or gas-run generators that may be located on-site in the event of power outages.

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:

Use of high efficiency pumps and motors and water main of sufficient diameter to minimize pumping head losses (and associated power usage).

#### 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.

Small amounts of sodium hypochlorite and ferric chloride are currently used to treat source water before it is delivered to customers.

1) Describe special emergency services that might be required.

None are anticipated. Local police, fire and aid should suffice during construction.

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

All drains for these chemicals will be secondary contained for safe transport to a lined waste manhole in the event of a spill. All necessary safety equipment for chemical handling will be provided.

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.

Temporary construction noise may be expected during working hours. No long-term noise is anticipated with any of the identified improvements. Some noise will be generated by electric motors and pumps at the new pump stations.

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

Construction equipment will need to be properly maintained and muffled, and the hours of construction will be limited to coincide with the normal workday period. Pumps will be enclosed in a building or other structure to minimize noise impacts. The checklists for individual projects will further address this on a site specific basis.

8. *Land and Shoreline Use*

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

Land use in the City of Stanwood's water service area is a mixture of residential, commercial, industrial, agricultural, farmland, and public facilities shoreline.

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

Portions of the planning area have been and continue to be used for agriculture.

c. Describe any structures on the site.

A variety of typical residential, business, commercial, and industrial structures exist in the City's water service area.

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

None anticipated.

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

The zoning in the City's water service area is a mixture of residential, business, commercial, and industrial zones. The checklists for individual projects will further address this on a site specific basis.

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

The current comprehensive plan designations are consistent with the mixed uses in the City's water service area. The checklists for individual projects will further address this on a site specific basis.

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

The shoreline designation of the Stillaguamish River adjacent to the City is shoreline conservancy, isolated, high intensity, and public facility. A portion of Church Creek is designated shoreline conservancy and shoreline residential in the City limits.

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

The City maintains Critical Areas regulations and maps that specifically identify such areas within the City limits (Stanwood Municipal Code Chapters 17.114 through 17.135). The checklists for individual projects will further address this on a site specific basis.

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

The projects will provide essential potable water supply for the City of Stanwood water system, which is projected to serve a resident population of 11,775 by 2035. No one will reside or work in the proposed projects themselves, but the construction of these projects will allow further development of the City's service area. Public works employees and City engineering consultants are anticipated to occasionally visit the finished projects primarily for maintenance purposes.

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:

The WSP was developed to ensure compatibility with the Growth Management Act, City of Stanwood Comprehensive Plan, Snohomish County Comprehensive Plan, and the North Snohomish County Coordinated Water System Plan.

#### 9. *Housing*

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

The indirect effect of new housing and other structures is not known as a result of the WSP. No housing is expected to directly occur as a result of these projects; however, the proposed projects will allow for continued residential growth.

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

The indirect effect of new or eliminated housing and other structures is not known as a result of the WSP. No housing is expected to be eliminated as a result of the proposed projects.

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?

The tallest proposed structure in the WSP is a 600,000 gallon storage reservoir. This facility may be similar in height to the City's existing Knittle Reservoirs, which are approximately 50 feet tall and will likely be constructed of steel or concrete. Actual dimensions and materials will be established at the design stage and the checklist for the individual project will further address this on a site specific basis.

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

Unknown. The checklists for individual projects will further address this on a site specific basis.

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

Screen fencing and vegetation screening will likely be utilized. The checklists for individual projects will further address this on a site specific basis.

### *11. Light and Glare*

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

The proposed projects would generate no light or glare.

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 known.

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?

The proposed projects would allow for the continued passive recreational opportunities that are consistent with the commercial and residential character of the City's water service area.

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

No recreational uses will be displaced.

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 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.

According to the Washington Heritage Register (WHR), the Stanwood International Order of Odd Fellows (IOOF) Public Hall, located at 27128 102<sup>nd</sup> Avenue NW was registered as a WHR and National Register Historic Site in 1973. Also, the house of D.O. Pearson, located at 27108 102<sup>nd</sup> Avenue was registered as a WHR and National Register Historic Site in 2002. Both sites are located in the western portion of the City. The D.O. Pearson house was registered for Architectural significance, and the IOOF Hall was registered for Social History significance.

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

See above.

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

If cultural artifacts or historic resources are uncovered during construction, project work should be suspended immediately. Appropriate authorities at the County and State levels would be notified and appropriate measures would be taken to protect these resources.

#### *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 major highway running through Stanwood is SR 532. Water main projects are proposed for Pioneer Highway and 271<sup>st</sup> Street NW (downtown Stanwood), as well as other short sections of residential collectors in the City's waster service area. These construction projects would not likely require full-closure of these streets, and the City will make the effort to keep two-way traffic open where possible. If traffic impacts are anticipated, traffic planning may be necessary and would be completed in coordination with the City. The construction of facility projects will likely not affect public streets or highways. The checklists for individual projects will further address this on a site specific basis.

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

The City is served by Community Transit, with stops throughout the area.

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

No parking spaces will be constructed as a part of the WSP unless the projects are done in conjunction with road or parking projects. Impacts to parking will be assessed with individual projects.

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).

Some of the anticipated water main work may allow opportunities for roadway improvements.

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

A few of the proposed projects will require installation of water main crossing Burlington Northern Railroad tracks. The proposed projects will not use water, rail or air transportation, and will generally not occur in the immediate vicinity of water or air transportation features.

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

The proposed projects should not measurably, directly increase vehicular traffic in the planning area, with the exception that indirectly, growth can occur as planned in the City's water service area.

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

Construction would take place in a timely manner to minimize obstructions and alterations of local traffic flow. Approved traffic control will be provided during construction if needed.

#### *15. Public Services*

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

The Plan includes recommendations that will improve the current level of public services and accommodate future service needs. Proposed improvements will help ensure adequate and responsive water service for the residential and commercial growth projected in the City.

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

None.

#### *16. Utilities*

a. Circle utilities currently available at the site:

Electricity, water, natural gas, refuse service, telephone, sanitary sewer, septic, cable, and curbside recycling are available throughout the City's water service area.

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 WSP describes the expansion and improvement of the City's existing water system.



## D. 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; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

### Discharge to Water

During the construction of the proposed water main and facility projects, discharge of turbid water could occur. After the projects are constructed and in use, development in the City's water service area may be expanded into the new areas served by the City's water system. Without these utility improvements, development projects would be unable to occur at the housing density the City anticipates will be necessary to accommodate growth. More development and higher population will produce more wastewater to be treated and discharged. Increased impervious surfaces will increase discharge of stormwater to local water bodies (Stillaguamish River), which may also contribute to higher flood risks.

### Emissions to Air

Temporary construction emissions expected include exhaust from machinery and vehicles, and dust. Personal vehicles belonging to the new homes built as a result of the improved and expanded water system and various heating methods (wood and pellet burning stoves) would contribute exhaust and greenhouse gas emissions to the air.

### Production, Storage, and Release of Toxic or Hazardous Substances

Chemicals such as sodium hypochlorite and ferric chloride may be used in proposed supply facilities to treat raw source water for potable uses. Chemicals will likely be stored on site. The proposed projects will generally improve existing conditions by accommodating future growth and ensuring a safe and reliable water supply.

### Production of Noise

Temporary construction noise would be limited to daytime, work-day hours. Subsequent development of residential and commercial structures will also result in temporary construction noise. The production of noise created in new residential and commercial areas should be equal to current ambient noise levels within the City limits.

Proposed measures to avoid or reduce such increases are:

### Reducing Discharges to Water

- TESC plans for each construction project will minimize and protect water bodies from turbid water discharge and runoff.

- Construction work will comply with near-water work windows to avoid disturbing sensitive and protected fish and wildlife.

Reducing Emissions to Air

- Construction machinery and vehicle emissions shall be kept to a minimum by turning off equipment instead of idling during periods when equipment is not in use.
- Appropriate dust control measures (sweeping, watering) will be implemented as part of each project's TESC plan to keep construction generated dust to a minimum.
- Green technologies and equipment should be utilized within construction of the proposed projects when plausible.

Reducing the Production, Storage, and Release of Toxic or Hazardous Substances

All drains for these chemicals will be secondary contained for safe transport to a lined waste manhole in the event of a spill. All necessary safety equipment for chemical handling will be provided.

Reducing the Production of Noise

Limit construction work to daytime, work-day hours, Monday through Friday.

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

Once completed, the water main projects will be fully buried within road right-of-way. During construction, discharge of turbid water to streams may occur, which could disrupt salmonid life history stages. Staging of excavation and fill materials and equipment on land would affect any plants in the immediate area.

The facility projects could have some localized effects on plants, animals and fish. These projects could require clearing of existing vegetation, which could in turn affect wildlife that utilizes that vegetation for food or shelter. Clearing and grading for facilities may result in discharge of turbid water to streams, which could disrupt migration or rearing of salmonids.

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

- TESC plans for each construction project will create a means to protect water bodies from turbid water discharge and runoff.
- Working during the summer month work-window presents less of a risk for turbid discharge since rain events are less frequent and severe.
- Staging materials and equipment should be located on impervious surfaces or in previously cleared or impacted areas if possible.
- There should be no further clearing of vegetation beyond what is needed for the construction of the projects.

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

Petroleum resources will be used for the construction of the proposed projects (fuel for construction machinery and vehicles) and subsequent construction of residential and commercial structures. Housing and other structures will require heating (natural gas and wood/pellet burning stoves) and electricity.

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

- Use of high efficiency pumps and motors and water main of sufficient diameter to minimize pumping losses (and associated power usage).

4. How would the proposal be likely to use or affect environmentally sensitive areas or 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?

The proposal should have no direct effect on parks, wilderness, wild and scenic rivers, floodplains, or prime farmlands. The project could directly affect sensitive areas such as federally-listed threatened species habitat, cultural sites, and wetlands. As discussed previously, construction of these projects could potentially discharge turbid water to water bodies (including riparian wetland areas). Church Creek and the Stillaguamish River are salmon-bearing streams. Bull trout is federally-listed as threatened, and has designated critical habitat in the Stillaguamish River. Finally, any excavation near waterways in the Puget Sound Lowlands could result in the discovery of historic Native American cultural artifacts and sites.

The proposal could have indirect effects (via expanded clearing, grading and building in the service areas) on federally-listed threatened species habitat, cultural sites, wetlands, and floodplains. Discharge of turbid water to Church Creek and the Stillaguamish River could affect rearing and migrating bull trout and salmonids, critical habitat, and riparian wetlands associated with these water bodies. Excavation of structure foundations could uncover cultural sites. Impervious surfaces (buildings, parking lots, roads) result in increased stormwater runoff, which could contribute to flooding issues in the Stillaguamish floodplain.

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

- TESC plans for each construction project will create a means to protect water bodies from turbid water discharge and runoff.
- Working during the summer month work-window presents less of a risk for turbid discharge since rain events are less frequent and severe.
- Construction work will comply with near-water and migratory bird work windows to avoid disturbing federally-listed salmonids and wildlife.
- Staging materials and equipment should be located on impervious surfaces or in previously cleared or impacted areas if possible.
- There should be no further clearing of vegetation beyond what is needed for the construction of the projects.
- If cultural artifacts or historic resources are uncovered during construction, project work should be suspended immediately. Appropriate authorities at the County and State levels should be notified and appropriate measures taken to protect these resources.

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?

The proposed projects in the WSP would allow for an expansion of residential and commercial uses within the City's UGA. The UGA was defined specifically to accommodate population growth in the City.

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

- Minimize clearing and grading of vegetation to that directly needed to accomplish the proposed project. Ensure projects are consistent with City planning objectives and ordinances.

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

The direct transportation effects of the proposed projects associated with the WSP could be temporary loss of sidewalks, on-street parking, lane closures, or detours near water main installation within road right-of-way. Bus stops may also be temporarily affected by work in the right-of-way. Water service and other utility services should not be affected during construction.

Indirect effects of the proposed projects on transportation would be increased road usage and the need to build new roads for new developments and potentially expand and make more frequent repairs to existing roads. Higher population may result in increased ridership of community transit and expanded service route frequency and stops. The expansion and improvement of the water system will result in the ability to supply more water to support new residential and commercial developments.

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

- Construction would take place in a timely manner to minimize obstructions and alterations of local traffic flow.
- City-approved traffic control will be provided during construction if needed.

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

The proposed projects may conflict with environmental protection laws; however, all projects proposed will be required to obtain applicable local, state, and federal permits, which are intended to encourage avoidance, minimization, and mitigation for adverse environmental impacts. A preliminary list of potential permits needed for proposed water main and facility projects are listed below.

City of Stanwood

- Building, Right-of-Way, and Site Development Permits.
- Floodplain Development Permit.
- Critical Areas Compliance.
- Shoreline Conditional Use or Variance Permit (for structures within 200 feet landward of a water body).

State

- State Department of Ecology General Order of Approval for Diesel or Gas Emergency Electrical Generators (for back-up generators during power outages).
- Section 401 Water Quality Certification through State Department of Ecology (needed if Section 404 required).

Federal

- Federal permits for work within wetlands or waters of the State (i.e. Section 404 or Section 10 approval through the Army Corps of Engineers), including associated Endangered Species Act, Coastal Zone Management and National Historic Preservation Act compliance.