King County

Department of Natural Resources and Parks • Wastewater Treatment Division
Community Services and Environmental Planning • 201 S. Jackson St., MS KSC-NR-0505
Seattle, WA 98104-3855 • Phone (206) 684-1714 • FAX (206) 684-1278

DETERMINATION OF NONSIGNIFICANCE (DNS)

TITLE OF PROPOSAL: Kent/Auburn Conveyance System Improvements-Phase A.

DESCRIPTION OF PROPOSAL: The King County Department of Natural Resources and Parks Wastewater Treatment Division proposes to construct two new pipelines. One will be the Kent East Hill Diversion in Kent and one will be the Stuck River Trunk in Auburn. Both will provide capacity relief in the wastewater conveyance system by diverting wastewater flows to pipelines with capacity to convey increased future flows. The Kent East Hill Diversion will consist of approximately 1,200 feet of new 18-inch diameter gravity sewer. The Stuck River Trunk will consist of approximately 3,900 feet of new 27-inch diameter gravity sewer. All but about 800 feet of the project will be constructed by trench excavation and backfill. The 800 feet will be constructed by trenchless methods.

LOCATION OF PROPOSAL, INCLUDING STREET ADDRESS, IF ANY: The Kent East Hill Diversion will begin at the 111th Avenue SE entrance to the Kent Phoenix Academy in Kent. The pipeline will run east along the school parking lot then south near the eastern edge of the school property to a walkway leading to SE 264th Street. The pipeline will then run east along that street to 114th Avenue SE. The Stuck River Trunk will begin at the intersection of 17th and K Street SE in the City of Auburn. It will run west along 17th Street SE to A Street SE where it will cross under the railroad right-of-way and end at C Street SW.

Responsible Official: Christie True
Position/Title: Division Director, King County Wastewater Treatment Division
Address: 201 S. Jackson St.
Seattle, WA 98104

Date: 4/2/09 **Signature:** _____

Proponent and Lead Agency: King County Wastewater Treatment Division

Contact Person: Meredith Redmon, Environmental Planner
King County Wastewater Treatment Division
201 S. Jackson St., MS KSC-NR-0505
Seattle, WA 98104, (206) 263-6185

Issue Date: April 8, 2009

The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. 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 lead agency. This information is available to the public on request.

☒ This DNS is issued under WAC 197-11-340 (2); the lead agency will not act on this proposal for 17 days from the issue date. **Comments must be submitted by April 24, 2009.** Submit comments to Wes Sprague, Supervisor Community Services and Environmental Planning Unit, 201 S. Jackson St., MS KSC-NR-0505, Seattle, WA 98104-3855.

☒ Written appeals of this threshold determination must be received by the SEPA Responsible Official at the above address **no later than 5:00 p.m. April 24, 2009, and must be accompanied by a $250 fee.** The appeal must follow the procedure established in King County Public Rule PUT 7-4. The rule may be viewed at http://www.metrokc.gov/recelec/archives/policies/put74pr.htm , or contact Meredith Redmon at 206.263.6534 or meredith.redmon@kingcounty.gov to obtain a copy.

Statutory authority: RCW 43.21C.110. 84-05-020 (Order DE 83-39), §197-11-970, filed 2/10/84, effective 4/4/84

ENVIRONMENTAL CHECKLIST

A. BACKGROUND

1. Name of proposed project, if applicable:

Kent/Auburn Conveyance System Improvements – Phase A

2. Name of applicant:

King County Wastewater Treatment Division

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

King County Wastewater Treatment Division
201 S. Jackson St., MS KSC-NR-0505
Seattle, WA 98104-3855

CONTACT: Katherine McKee____Telephone: (206) 263-3197____

4. Date checklist prepared:

September 2008

5. Agency requesting checklist:

King County Wastewater Treatment Division

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

The proposed improvements would be constructed in 2010. Phase B of the Kent/Auburn Conveyance System Improvements (CSI) project which will provide additional capacity relief to the conveyance system in south King County is currently planned to be constructed by 2015.

This environmental checklist addresses only Phase A because of this immediate need and because there is not yet enough information available about Phase B to define the proposed activity of support an environmental review of that phase. Implementation of Phase A will not limit the range of reasonable alternatives for Phase B. WTD will conduct an environmental review of Phase B under SEPA when enough information about the project activities included in Phase B has been developed to identify potential environmental impacts.

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

Phase B of the Kent/Auburn CSI project will address capacity issues in the Auburn and Algona/Pacific areas of south King County.

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

- Cultural Resources Overview Draft Technical Memorandum, November 2006
- Traffic Study Draft Technical Memorandum, March 2007
- Existing Environmental Conditions Technical Memorandum, August 2007

- Alignment Environmental Analysis and Mitigation Measures Technical Memorandum, November 2007
- Odor and Corrosion Control Technical Memorandum for New Conveyance Alternatives, November 2007
- Hazardous Materials Discipline Report: Stuck River Trunk Alignment, November 2007
- Cultural Resource Assessment Report, November 2007
- Wetland Delineation and Stream Assessment Report Draft, April 2008
- Jurisdictional Ditch Analysis Draft, April 2008
- Preliminary Draft Biological Assessment, May 2008
- Conceptual Wetlands and Stream Mitigation Plan Draft, June 2008

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.

City of Kent
Grade and Fill Permit
Street Use and Street Cut Permit

City of Auburn
Grading Permit
Right-of-Way Use Permit and Construction Permit

Burlington Northern Santa Fe Railway
Pipeline License

Washington State Department of Ecology
NPDES General Stormwater Construction Permit and Stormwater Pollution Prevention Plan (SWPPP)

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 Kent/Auburn CSI Project-Phase A consists of the following components (see attached figure):

Kent East Hill Diversion – Approximately 1,800 feet of new 18 inch-diameter gravity sewer that will provide capacity relief in the Mill Creek Interceptor and its downstream continuation, ULID 1/5 Interceptor by diverting flow from the Mill Creek Interceptor to the South 277th Street Interceptor.

Stuck River Trunk – Approximately 3,900 feet of new 27 inch-diameter gravity sewer pipe that will provide capacity relief to the M Street Trunk by diverting all flows upstream of the M Street Trunk to the Lakeland Hills Gravity Trunk, which discharges to the Auburn West Interceptor (AWI).

All but about 800 feet of the project will be constructed by open trench excavation and backfill. The 800 feet will be constructed by trenchless methods. Four hundred feet of trenchless excavation will be utilized to construct the Stuck River Trunk under BNSF railroad tracks and the remaining 400 feet will construct the Kent East Hill Diversion in a narrow area near some homes.

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 proposed alignment of the Kent East Hill Diversion pipeline is located within the City of Kent (see attached figure). The alignment begins at the 111th Avenue SE entrance to the Kent Phoenix Academy (formerly Sequoia Middle School) and runs east along the school parking lot then south near the eastern edge of the school property to a walkway leading to SE 264th Street. The alignment then runs east along that street to 114th Avenue SE.

The proposed alignment of the Stuck River Trunk would connect to the M Street Trunk at the intersection of 17th Street SE and K Street SE in the City of Auburn. The pipeline would run west along 17th Street SE to A Street SE where it would cross under the BNSF railroad right-of-way and connect to the Lakeland Hills Gravity Trunk near the east shoulder of C Street SW.

B. ENVIRONMENTAL ELEMENTS

1. Earth

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

Both of the proposed pipeline alignments are generally flat.

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

There are no slopes in excess of 5 percent along either pipeline alignment.

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.

Soils along the Stuck River Trunk alignment are generally alluvial deposits consisting of loose to medium-dense sand, with varying amounts of silt to a depth of approximately 25 feet below grade.

Soils along the Kent East Hill Diversion alignment generally consist of a layer of recessional outwash with underlying glacial till deposits of varying depths.

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

There are no indications of unstable soils along either proposed alignment.

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

Open-trench construction methods would be utilized to install the majority of the pipeline alignments. The trenches would be backfilled following placement of the new pipe. A total of approximately 11,500 cubic yards of soil would be excavated during construction of the Stuck River Trunk. A total of approximately 5,000 cubic yards of soil would be excavated during construction of the Kent East Hill Diversion.

An approximately 400-foot section of the Stuck River Trunk would be constructed utilizing trenchless construction methods in order to cross under the BNSF right-of-way. This method of construction would necessitate the excavation of launch and receiving pits adjacent to the BNSF right-of-way. The launch pit would be approximately 20 by 20 feet in size and the receiving pit would measure approximately 16 by 12 feet. Both pits would be approximately 15 feet deep.

Similarly an approximately 400-foot section of the Kent East Hill Diversion pipeline may be installed using trenchless construction methods in an area where the pipe corridor is very narrow and passes along several existing residences. In this area the launch pit would be approximately 20 by 20 feet in size and the receiving pit would measure approximately 16 by 12 feet. Both pits would be approximately 25 feet deep.

For the entire project a total of approximately 16,500 cubic yards of material will be excavated and approximately 15,670 cubic yards of material will be backfilled. Backfill will consist of approximately 6,680 cubic yards of native material and 9,000 cubic yards of imported material from local commercial sources.

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

Yes erosion of exposed soils could occur during excavation of the trenches for the proposed pipelines and the stockpiling of soil during construction. See item h. below for measures that could be used to reduce or control erosion.

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

The project will not result in a net increase in impervious surfaces.

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

Project construction activities would utilize construction-related Best Management Practices (BMPs) such as temporary erosion and sediment control measures. Typical BMPs that could be utilized to minimize the potential for erosion include:

- Installation of filter fabric fences around disturbed areas
- Installation of silt traps in storm drainage inlets

- Covering soil stockpiles and exposed soils
- Regular street cleaning for mud and dust control
- Regular inspection and repair of erosion and sedimentation control measures
- Restoration of disturbed areas by repaving or replanting as soon as practical after construction is completed
- Designate personnel to inspect and maintain temporary erosion and sediment control measures
- Use appropriate means to minimize tracking of sediment onto public roadways by construction vehicles

Temporary erosion and sediment control measures would be identified in the project plans and specifications and would be implemented as required by permitting jurisdictions.

2. Air

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

The Kent/Auburn CSI Phase A project area is currently a maintenance area for carbon monoxide and ozone under US EPA classifications. Existing wastewater conveyance system facilities are not known to be sources of air quality impairments in the project area. King County utilizes odor control equipment throughout the existing wastewater system to limit nuisance emissions, and recommendations for mitigating the potential emission of odors related to the new pipelines will be developed during project design.

Construction of the proposed pipelines could result in short-term dust emissions from exposed soils and fossil fuel emissions from the operation of construction equipment.

A King County Greenhouse Gas Emissions Worksheet is attached.

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

No.

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

Short-term construction related emissions would be addressed by requiring proper equipment maintenance, prudent equipment operation, and onsite dust control. Onsite dust control could include watering construction areas to wet bare soils and cleaning roadways around construction areas.

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, or wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Two potential wetlands are located within the vicinity of the proposed alignment of the Kent East Hill Diversion pipeline. No wetlands or potential wetlands have been identified in the vicinity of the Stuck River Trunk alignment.

No streams have been identified within 200 feet of either of the proposed alignments.

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.

No.

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:

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

Groundwater may be encountered during open-cut trench excavation of the proposed pipelines or the launching and receiving pits for the trenchless portion of the pipeline alignments. If dewatering is necessary during construction of the proposed pipelines, water would be discharged to either the King County sewer system or existing storm drainage systems in the cities of Kent or Auburn.

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.

No waste material is proposed to be discharged into the ground during construction of the proposed project.

c. Water Runoff (including storm water):

1) Describe 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.

The main source of runoff during and after construction of the proposed project would be rainfall. During construction, at both project locations, stormwater would infiltrate into the ground or be routed through temporary erosion and sedimentation control facilities prior to discharge to the existing King County sewer system or City of Auburn or Kent storm drainage systems.

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

Soils could enter surface waters if proper BMPs are not implemented. Construction-related materials could enter ground or surface waters due to accidental spills, mechanical failures, or if construction activities deviate from the project construction specifications or permit conditions.

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

Section B.1.h discusses typical BMPs that would be used during construction to control erosion and sedimentation resulting from stormwater runoff.

4. Plants

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

__X__ deciduous tree: alder, maple, aspen, other
__X__ evergreen tree: fir, cedar, pine, other
__X__ shrubs
__X__ grass
_____ pasture
_____ crop or grain
_____ 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?

Vegetation impacted during construction of the pipelines would include mowed yards or recreational areas, landscape plantings and grassy shrub areas. Along

the proposed Kent East Hill Diversion alignment, on the Kent School District property, several existing trees may need to be removed to construct the pipeline.

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:

Vegetation disturbed during construction would be replaced with similar vegetation following completion of construction. Some of the trees proposed to be removed on the school property may be able to be relocated.

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, shellfish, other: _____

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

None.

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

The entire project area is part of the Pacific Flyway migration route.

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

None proposed.

6. Energy and Natural Resources

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

N/A.

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

No.

c. What kind 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.

Contaminated soil or groundwater could be encountered during construction.

1) Describe special emergency services that might be required.

None.

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

Project plans and specifications would include measures to handle contaminated soil or groundwater in the event any contamination is encountered.

b. Noise

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

None.

There are noise-sensitive receptors along both proposed pipeline alignments that could be temporarily impacted by construction-related noise.

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.

Short-term construction-related noise would be generated along both proposed pipeline alignments. The main source of noise would be from the operation of heavy equipment during excavation and installation of the new pipe as well as truck traffic entering and leaving construction areas. These types of equipment typically generate noise in the range of 75-95 dBA at a distance of 50 feet.

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

Construction activity is generally anticipated to occur between the hours of 7 a.m. and 5 p.m. on weekdays and would comply with all applicable noise regulations of the cities of Kent and Auburn. Work outside of those hours would typically require a variance from the local permitting agency. Some work on the school district property for the Kent East Hill Diversion alignment may need to occur outside of typical work hours to minimize impacts to the school during the school year.

Noise control measures implemented during construction could include:

- Designating haul routes with regard to noise-sensitive areas or receptors
- Requiring sound control devices such as enclosures for generators or compressors
- Implementing a noise monitoring program
- Using mufflers on all gas powered equipment
- Provide electricity from the power grid and encourage the use of electric or hydraulic tools whenever practicable
- Notify residents and businesses near active construction areas of upcoming noisy construction activities
- Maintain a 24-hour construction hotline to promptly respond to questions and complaints

8. Land and Shoreline Use

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

The Kent East Hill Diversion pipeline would be located primarily on Kent School District property. This property is currently used as a school. Single-family residences are located adjacent to the majority of the alignment.

The Stuck River Trunk would be located primarily in public right-of-way. Adjacent uses include residential, a church, a middle school, a senior citizen care facility and BNSF railroad right-of-way.

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

No.

c. Describe any structures on the site.

A variety of structures are located near the proposed pipeline alignments.

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

Construction on the grounds of the Kent Phoenix Academy may necessitate the removal of a storage shed.

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

The proposed Kent East Hill Diversion alignment is located within an area zoned by the City of Kent as single-family residential, garden density multifamily and limited industrial.

Zoning along the proposed Stuck River Trunk alignment in the City of Auburn is a mix of residential, commercial, public use and institutional use.

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

Land use plan designations along the Kent East Hill Diversion include single-family, low density multifamily and mixed use.

Land use plan designations along the Stuck River Trunk alignment include single, moderate and high density residential, public and quasi-public, heavy commercial and light industrial.

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.

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:

N/A.

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

The proposed project consists of underground pipelines that will not be visible following the completion of construction.

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:

None proposed.

10. Aesthetics

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

N/A.

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

Construction activity would be visible to adjacent properties and traffic in the public right-of-way.

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

None, these impacts would be temporary.

11. Light and Glare

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

If construction occurs during the fall or winter months lighting of active construction areas may be necessary.

b. Could light and 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:

If lighting is necessary during construction in the vicinity of residences, measures would be taken to minimize impacts to property owners.

12. Recreation

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

A running track, playfields and walking trail associated with the Phoenix Academy are adjacent to the proposed Kent East Hill Diversion alignment.

Dedicated bicycle lanes are present along 17th Street SE in Auburn, the proposed Stuck River trunk alignment.

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

Portions of the walking trail adjacent to the Phoenix Academy for the Kent East Hill Diversion and the dedicated bicycle lanes along 17th Street SE in Auburn for the Stuck River Trunk may be temporarily closed during construction of the proposed pipelines.

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

Detours for the walking trail and bicycle lanes would be provided if possible to minimize impacts to trail and bicycle lane users.

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.

No known cultural resources are within the proposed pipeline alignments. However, preliminary cultural resources research regarding the project area did indicate some areas along the proposed alignments may have a high potential for encountering cultural resources.

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

A complete cultural resources assessment for both proposed alignments will be conducted prior to the start of construction.

If artifacts are uncovered during excavation, work will be stopped pending notification of and response from appropriate agencies. The project construction contract will include language that will address inadvertent discovery of archaeological materials.

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.

A portion of the proposed Kent East Hill Diversion will be constructed in SE 264th Street, 114th Avenue SE at the intersection with SE 264th Street and 111th Avenue SE at the entrance to the parking lot of the Phoenix Academy.

The proposed Stuck River Trunk alignment will be constructed in the public right-of-way for 17th Street SE between K Street SE and the BNSF railroad right-of-way to the west.

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

Transit service is available a few blocks from the Kent East Hill Diversion alignment along Kent-Kangley Road. Transit service is available along 17th Street SE, the proposed alignment of Stuck River Trunk pipeline.

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

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).

Restoration of road surfaces impacted by the project would occur following the completion of construction.

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

The Stuck River Trunk will be constructed under the BNSF railroad tracks. Construction will not affect the use of these tracks.

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

The completed project would not generate any additional vehicular trips.

A total of approximately 2,200 one-way truck trips would be generated during construction of the Stuck River Trunk.

A total of approximately 1,000 one-way truck trips would be generated during construction of the Kent East Hill Diversion.

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

For the Kent East Hill Diversion alignment construction activity in the public rights-of-way on 114th Avenue SE near the intersection of 114th Avenue SE and SE 264th Street in Kent would result in temporary lane closures which may increase local traffic congestion on a short-term basis.

For the Stuck River Trunk alignment along 17th Street SE in Auburn construction would likely impact two traffic lanes. This street is classified as a collector arterial and has two traffic lanes in either direction, with bike lanes and on-street parking on both sides of the street. Safety considerations during construction would likely result in the closure of bike lanes and restriction of on-street parking in areas of active contruction. Only limited sections of the street would be impacted as construction progresses along the alignment.

During the 1 to 2-day period when active pipeline construction is taking place opposite individual homes, school or businesses, access to them will probably be restricted during work hours. The contractor will be required to notify affected homeowners and businesses in advance when their access could be limited and to work with them to minimize impacts.

Contractors would be required to comply with traffic control plans approved by the cities of Kent and Auburn. Following are some typical measures that could be implemented to minimize traffic impacts:

- Provide detours
- Provide flaggers
- Maintain access to businesses and residences
- Restoration of full-width street access at the conclusion of each work day
- Provide advance notice of the project through postings and other means to alert potentially-affected residents, businesses and users of affected roadways
- Provide continuous access to emergency vehicles during construction

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.**

No.

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

None proposed.

16. **Utilities**

a. **Circle the utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.**

Both proposed pipelines would cross a number of existing utilities, including gas, power, water, storm sewer, communication and fiber optic. Some temporary utility relocations may be necessary during construction along both proposed alignments. Permanent relocation of an existing City of Auburn sewer may be necessary during construction of the Stuck River Trunk.

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.**

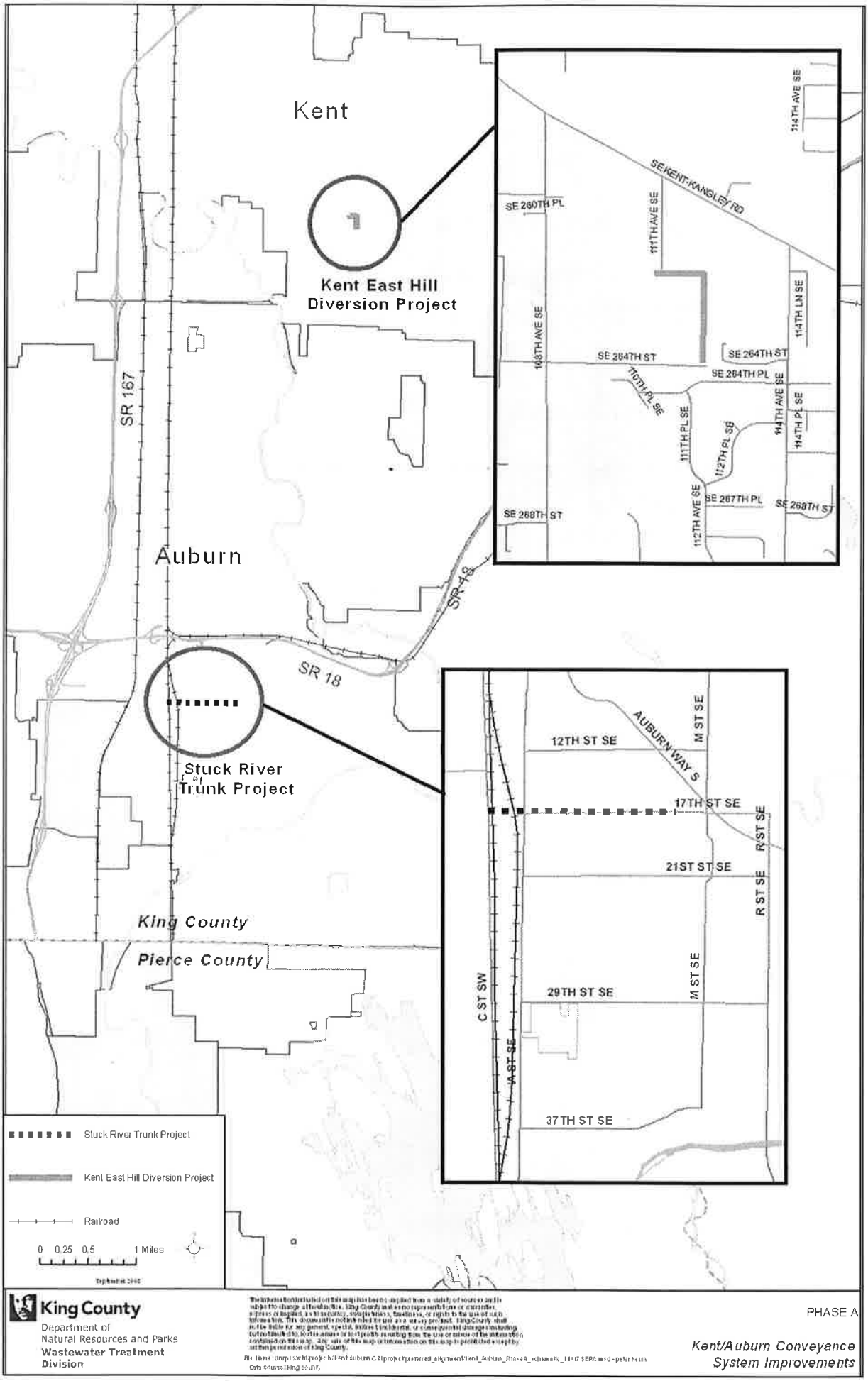
The proposed project involves providing increased capacity in the sewer system serving south King County.

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: Wesley Sprague

Date Submitted: 9/25/08



King County
Department of
Natural Resources and Parks
Wastewater Treatment
Division

PHASE A

Kent/Auburn Conveyance System Improvements

Greenhouse Gas Emissions Worksheet

Section I: Buildings

Type (Residential) or Principal Activity (Commercial)	# Units	Square Feet (in thousands of square feet)	Emissions Per Unit or Per Thousand Square Feet (MTCO2e) Embodied	Energy	Transportation	**Lifespan Emissions (MTCO2e)**
Single-Family Home.....	0		98	672	792	**0**
Multi-Family Unit in Large Building	0		33	357	766	**0**
Multi-Family Unit in Small Building	0		54	681	766	**0**
Mobile Home.....	0		41	475	709	**0**
Education		0.0	39	646	361	**0**
Food Sales		0.0	39	1,541	282	**0**
Food Service		0.0	39	1,994	561	**0**
Health Care Inpatient		0.0	39	1,938	582	**0**
Health Care Outpatient		0.0	39	737	571	**0**
Lodging		0.0	39	777	117	**0**
Retail (Other Than Mall).....		0.0	39	577	247	**0**
Office		0.0	39	723	588	**0**
Public Assembly		0.0	39	733	150	**0**
Public Order and Safety		0.0	39	899	374	**0**
Religious Worship		0.0	39	339	129	**0**
Service		0.0	39	599	266	**0**
Warehouse and Storage		0.0	39	352	181	**0**
Other		0.0	39	1,278	257	**0**
Vacant		0.0	39	162	47	**0**

Section II: Pavement.....

Pavement.....		150.00				**7500**

Total Project Emissions*: **7500**