



Signature Report

May 8, 2001

Ordinance 14099

Proposed No. 2001-0217.1

Sponsors Irons

1 AN ORDINANCE approving Amendment No. 1 to the King
2 County Water District 119 Water System Plan Update,
3 which responds to the recent requests for extension of the
4 district's water distribution system to serve additional
5 properties within the district's East King County
6 Coordinated Water System Plan approved planning area
7 boundary.

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PREAMBLE:

Amendment No. 1 to the King County Water District 119 water system plan update discusses recent annexations to the district and certain capital projects necessary to support those annexations.

The district purchases its water from Seattle public utilities. The newly annexed areas are currently served by wells, some of which have failed. Many residents currently transport water from other sources for domestic use. The proposed capital improvements will provide for connection of these annexed areas to the district's system.

18 Approval of the amendment will also allow the district to apply for low-interest
19 state loans to fund the needed capital improvements.

20 The King County utilities technical review committee reviewed and approved the
21 amendment on February 14, 2001. The utilities technical review committee recommends
22 that the council approve the amendment.

23 The district prepared a determination of non-significance for the amendment in
24 accordance with the state Environmental Policy Act.

25 The district adopted the amendment on October 4, 2000.

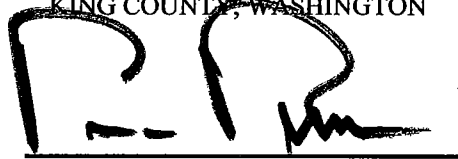
26 **BE IT ORDAINED BY THE COUNCIL OF KING COUNTY:**

27 SECTION 1. Amendment No. 1 to the King County Water District 119 Water
28 System Plan Update, Attachment A to this ordinance, is hereby approved without
29 conditions.
30

Ordinance 14099 was introduced on 4/16/01 and passed by the Metropolitan King County Council on 5/7/01, by the following vote:

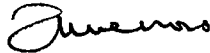
Yes: 12 - Mr. von Reichbauer, Ms. Miller, Ms. Fimia, Mr. Phillips, Mr. Pelz, Mr. McKenna, Ms. Sullivan, Mr. Nickels, Mr. Pullen, Mr. Gossett, Ms. Hague and Mr. Irons
No: 0
Excused: 1 - Mr. Thomas

KING COUNTY COUNCIL
KING COUNTY, WASHINGTON




Pete von Reichbauer, Chair

ATTEST:



Anne Noris, Clerk of the Council

APPROVED this 16 day of May, 2001.



Ron Sims, County Executive

Attachments A. Amendment #1 to the King County Water District 119 Water System Plan Update

14099

2001 217

amendment no.1
water system plan update
water district no. 119
king county, washington

commissioners

terry olson

jeff popp

kait teachout

july 2000

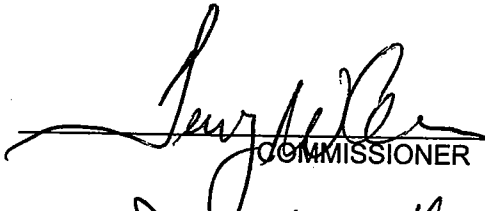
ecnw

ENGINEERING
CONSULTANTS
NORTHWEST

AMENDMENT NO. 1
WATER SYSTEM PLAN UPDATE
WATER DISTRICT NO. 119
KING COUNTY, WASHINGTON

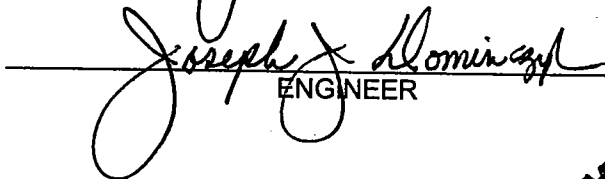
PREPARED FOR
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CARNATION, WA 98014
(425) 788-2885

PREPARED BY
ENGINEERING CONSULTANTS NORTHWEST, INC.
35717 PACIFIC HIGHWAY SOUTH
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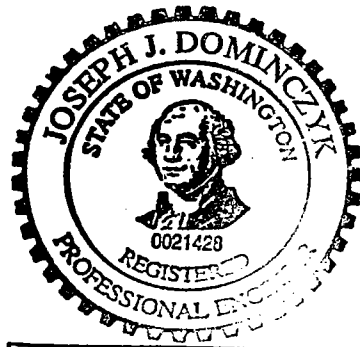
COMMISSIONER

Oct 4, 2000
Approved: Date:



ENGINEER

July 31, 2000
Approved: Date:



RECEIVED
OCT 17 2000
ECNW

RESOLUTION NO. 378

A RESOLUTION of the Board of Commissioners of King County Water District No. 119, King County, Washington, approving and adopting an Amendment to the District's Comprehensive Plan.

WHEREAS, since the adoption of the District's "Comprehensive Water System Plan Update" dated July 21, 1994 (hereinafter referred to as the "Plan"), the District has received requests for water service from areas located to the North of the District's 1994 boundaries; and

WHEREAS, in response to those requests, several annexations have occurred to incorporate additional territory into the District's corporate boundaries; and

WHEREAS, the Heller Annexation, which is now in progress, includes territory not covered by the Plan; and

WHEREAS, the District has just concluded negotiations with the City of Duvall to modify the service area boundaries between Duvall and the District to expand the District's service area to include all of the territory within the Heller Annexation Area; and

WHEREAS, the District Engineer has recommended that the Plan be modified to incorporate certain alterations in the design of the water distribution system and the location of certain pumping and storage facilities necessitated by the recent expansion and anticipated future expansion of the District's water distribution system; and

WHEREAS, by their Resolution No. 377, the Commissioners have reviewed and adopted the Environmental Checklist prepared by the District Engineer with respect to the proposed Amendment, and have made a Determination of Non-significance with respect to the Amendment.

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of King County Water District No. 119, King County, Washington, as follows:

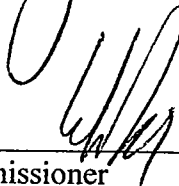
Section 1. The Commissioners do hereby approve and adopt the "Amendment No. 1 Water System Plan Update" dated July, 2000, which has been prepared by the District's Engineer, a copy of which is attached hereto as Exhibit "A". The Amendment is declared effective the date of this Resolution, subject to the approval of the King County Utilities Technical Review Committee, the State Department of Health and the King County Council.

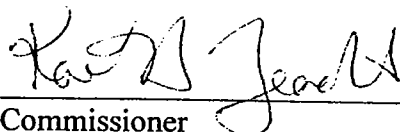
Section 2. The District Engineer is authorized and directed to file the Amendment with all appropriate agencies to obtain final review and approval of the amendment.

ADOPTED at a regular meeting of the Board of Commissioners of King County Water District No. 119, King County, Washington, held this 4th day of October, 2000.

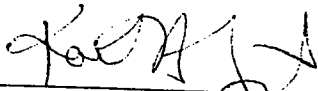
KING COUNTY WATER DISTRICT NO. 119

By  _____
President and Commissioner

By  _____
Commissioner

By  _____
Commissioner

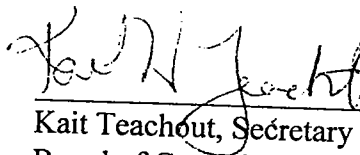
ATTEST:



Secretary, Board of Commissioners

CERTIFICATION

I, Kait Teachout, Secretary of the Board of Commissioners of King County Water District No. 119, do hereby certify that the document attached hereto is a true and correct copy of Resolution No. 378 of the said Board, duly adopted at a regular meeting thereof held on the 4th day of October, 2000.



Kait Teachout, Secretary
Board of Commissioners

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Figure 3. Pressure Zones

Appendix A SEPA Checklist

Appendix B Interlocal Agreement Regarding Water Service Area Boundaries

**AMENDMENT NO. 1
WATER SYSTEM PLAN UPDATE
KING COUNTY WATER DISTRICT No. 119
July 2000**

A. PURPOSE

The purpose of this amendment is to update the 1994 plan in response to the recent requests for extension of the District's water distribution system to serve additional properties within the District's East King County Coordinated Water System Plan approved planning area boundary. The amendment addresses two issues:

1. Changes in the District's corporate boundary as a result of annexations initiated by property owners desiring water service. In particular, properties in the Cherry Valley and Cherry Gardens areas which have experienced severe water shortage problems will be addressed.
2. Capital improvements necessary to serve the annexed properties in the Cherry Valley and Cherry Gardens areas.

The Water System Plan Update was adopted by King County Water District No. 119 in August 1994. The plan was approved by the King County Council on April 12, 1995 under Ordinance No. 11743. Approval by the Washington State Department of Health was obtained on July 28, 1997.

B. CORPORATE BOUNDARIES

Since completion of the 1994 Plan, the following annexations have been accepted by the District's Board of Commissioners and approved by the Washington State Boundary Review Board for King County:

Name

North Lake Joy Estates
Cherry Valley Phase I
Cherry Valley Phase II
Cherry Gardens
McBee
Olson
Thomas

A drawing showing the District's current corporate boundary and the location of the recent annexations is included as Figure 1.

The North Lake Joy Estates, McBee, Olson and Thomas annexations resulted from the properties being located within a relatively short distance of existing distribution system mains. The two Cherry Valley annexations and the Cherry Gardens annexation included

properties which are relatively remote from the system. The primary motivating factor for annexation was the lack of adequate groundwater supplies in the area to serve the properties. In fact, the majority of the District is located in an area of limited groundwater supplies. The formation of the District in 1965 was based on a determination by a groundwater geologist that there was no possibility of a well of sufficient capacity being obtained to serve a development of more than a few residences (See Appendix H of the 1994 Plan).

Property owners in the Cherry Valley and Cherry Gardens areas have constructed residences based on water service from individual wells. A large portion of these wells have developed problems over the years due to continued declining yields or insufficient capacity during the drier summer months. As a result, King County designated the area in 1989 as a "critical water supply service area". Secondly, many wells were adversely impacted by the earthquake centered in Duvall in May 1996. The owners of these wells have been forced to curtail their water use and haul water from any convenient and available source. Their primary source for water had been an artesian well located at Taylor Landing in the City of Duvall. This well is owned by the City and consists of an open spigot with a shut-off valve. Historically the well has been unregulated, meaning it has been available to any party wishing to use the water. Consequently many of the owners of the failed wells have looked to Duvall's well as their only source of water.

① The City has determined that at least 150 homeowners use the well on a full time basis for a significant portion of the year. None of these homeowners reside within Duvall's city limits or within the City's appointed service area in which the City is obliged to provide water. In 1996, the City's legal counsel and insurance carrier advised them that there are considerable liability risks involved in allowing continued usage of the unregulated well. Secondly, the well's accessibility was neither providing water for, or benefitting the City's customers but instead, providing water for many homeowners who reside within the District's appointed service area. As a result, the City decided to cap the well to prevent further use. The well has been officially closed since June of this year.

Hauling had been accomplished by varying means. Containers ranged in size from a few gallons to hundreds of gallons. The state and county health departments consider this form of water supply substandard and a threat to the health and well being of the water consumers. Consequently, the concerned health agencies have been applying pressure for a solution to the unsanitary and unregulated methods of obtaining water that were being utilized. Extension of the District's distribution system into the area was recognized as the most reliable solution for providing safe and reliable service.

C. FUTURE SERVICE

Property owners in the extreme northwest corner of the District's planning area have recently approached the District requesting water service. Many of these people have hauled water seasonally or year round. This area, comprising 764 acres, has limited groundwater supplies. The property owners have submitted petitions to the District for annexation. The petitions have been accepted by the District's Board of Commissioners. The District has determined the required number of "yes signatures" has been obtained for annexation. Documentation

will soon be submitted to the Boundary Review Board for approval of the annexation, identified as the Heller Annexation. It should be noted that a small portion of the proposed annexation area is located within the City of Duvall's designated East King County Coordinated Water System planning area. The City and District have jointly decided this area can be best served by the District. The two water purveyors have negotiated an agreement to change their common boundary in this area. A copy of the agreement is contained in Appendix B. The boundary change will be formalized through the required King County and Washington State Department of Health processes.

D. CAPITAL IMPROVEMENTS

Improvements to the District's supply and distribution system were outlined in the 1994 Water System Plan Update. The location and size of the proposed mains to supply the northern portion of the planning area, including the Cherry Valley, Cherry Garden and Heller annexation areas, were shown in Figures 2.2A and 7.1. Also shown were a proposed booster pump station and water storage tank. At the time the 1994 Plan was being prepared, a portion of the Lake Margaret property owners were interested in obtaining District service. The consensus of the property owners to the west of Lake Margaret was unknown. The tank and booster pump station were proposed to be located near Lake Margaret for these reasons. In the interim period from 1994 to the preparation of this amendment, the Lake Margaret property owners have decided to upgrade their own water source and remain independent of the District. The need for service at the north end of the District has instead been concentrated in the areas which were eventually included in the Cherry Valley and Cherry Gardens annexations. The proposed location for the pump station and tank will need to be changed.

More than 80 percent of the District's current customers are supplied water by the Lake Marcel system. The system is pressurized by a booster pump station, identified as the Odell Road Station, located near the District's second tap to the Tolt River Pipeline. The station contains a constant pressure pumping system which maintains a discharge pressure near 70 psi. This equates to a hydraulic grade line (HGL) of 692 feet. The properties in the Cherry Valley and Cherry Gardens annexation areas range from elevation 220 feet to 800 feet. The elevation of the properties further to the north in the District's planning area approaches 1000 feet. Several pressure zones will be necessary to efficiently serve the north end of the District. New pressure zones will be established by booster pumping stations or by pressure reducing valves. The following pressure zones will be established with growth of the system:

1. Lake Marcel 5. This zone will be supplied by the Odell Road pump station and will have the HGL reduced from 692 feet to 600 feet by a pressure reducing valve to be installed near the intersection of NE 142nd Street and 322nd Avenue NE. The operating pressure in the distribution main downstream to the Cherry Valley area will be in the 150 to 200 psi range without the valve. Installation of the valve will reduce the pressure to the 110 psi to 160 psi range. In addition, pressure reducing valves will be placed on individual services to further lower the pressure to a range of 60 to 80 psi.
2. Lake Marcel 6. A booster pump station (Mountain View Road station) will be constructed near the intersection of NE 185th Place (Mountain View Road) and 318th

Avenue NE. This station will ultimately serve all properties in the north end of the District, a land area of approximately 2070 acres, excluding the Lake Margaret community. The station will be supplied by the Lake Marcel 5 pressure zone at HGL 600 feet. The station will boost the pressure by 228 feet to set the maximum HGL in this zone to 828 feet. The station will have a pumping capacity of approximately 110 gpm. The pressure will be maintained by a water storage tank to be located on a ridge located west of the intersection of NE 192nd Place and 312th Avenue NE. The tank, identified as the Cherry Gardens tank (or ULID No. 9 tank), will have a base elevation near 812 feet and will have a storage capacity of approximately 140,000 gallons.

3. Lake Marcel 7. This pressure zone will be located in the extreme northwest corner of the District's planning area. It will be pressurized by a booster pump station constructed adjacent to the Cherry Gardens tank. It will maintain a minimum zone HGL of 922 feet and have a capacity of approximately 150 gpm.
4. Lake Marcel 8. This pressure zone will be located at the north end of 312th Avenue NE. It will have a minimum HGL of 1030 feet maintained by a storage tank and booster pump station supplied by the Cherry Gardens station. The pump station will have a capacity of approximately 50 gpm. The tank will have a storage capacity of approximately 140,000 gallons.
5. Lake Marcel 9. This zone will be located in the northeast corner of the District's planning area surrounding the Lake Margaret community. The minimum HGL will be 922 feet, similar to the Lake Marcel 7 zone. The construction of a pump station and tank near the intersection of NE 200th and 320th Avenue NE will be necessary. The capacity of the pump station will be approximately 50 gpm. The storage tank capacity will be approximately 100,000 gallons.
6. Growth of the Lake Marcel system will increase the demands on the existing Odell Road pump station. The capacity of the station will need to be increased to satisfy the larger demands. The pumps and motors will be replaced to provide a minimum capacity of 1100 gpm. This will be sufficient to supply 1100 ERU's; the Lake Marcel system currently serves near 860 ERU's.

The improvements described above are based on the following:

- Average day demand equals 195 gpd per ERU
- Peak day demand equals 510 gpd per ERU
- Peak hourly demand equals 1.0 gpm per ERU
- Fire demand equals 1,000 gpm for two hours. The fire demand has not been included in the given pump station capacities.

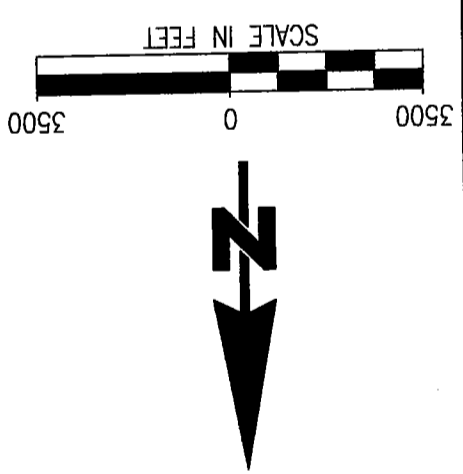
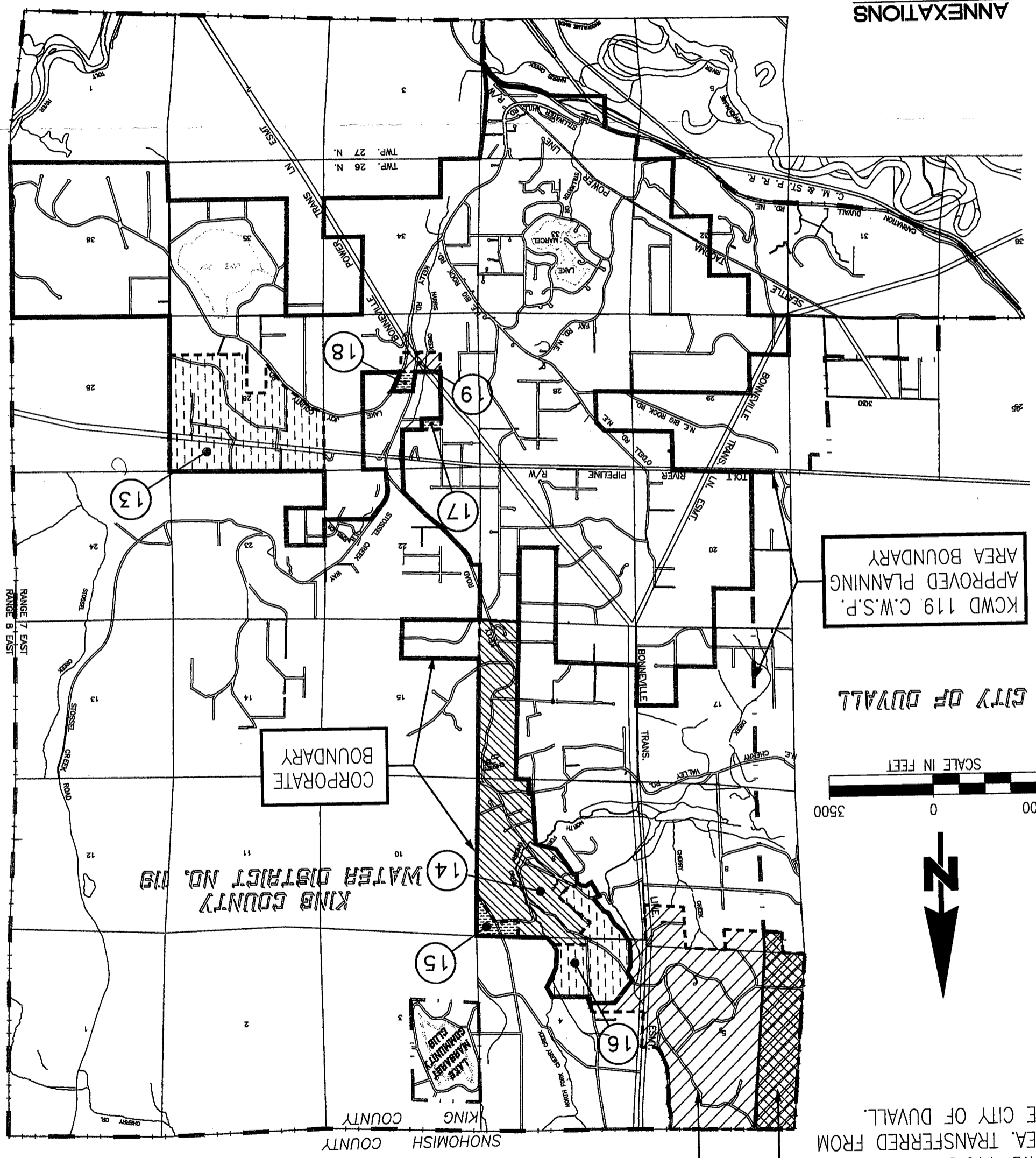
E. CAPITAL IMPROVEMENT FINANCING

The costs for completion of the required capital improvements will be paid for by the property owners benefitting from the improvements. The Utility Local Improvement District process will be used. The District will assist the property owners in obtaining long term financing, such as Washington State sponsored low interest loans. Otherwise the work will be financed by municipal bonds.

KING COUNTY WATER DISTRICT NO. 119 PLANNING AREA BOUNDARY

PROPOSED HELLER
ANNEXATION

AREA RECENTLY
INCORPORATED
KCMD 119'S PLANNING
AREA, TRANSFERRED FROM
THE CITY OF DUVALL.



CITY OF DUVALL

KCMD 119 C.W.S.P.
APPROVED PLANNING
AREA BOUNDARY

CORPORATE
BOUNDARY

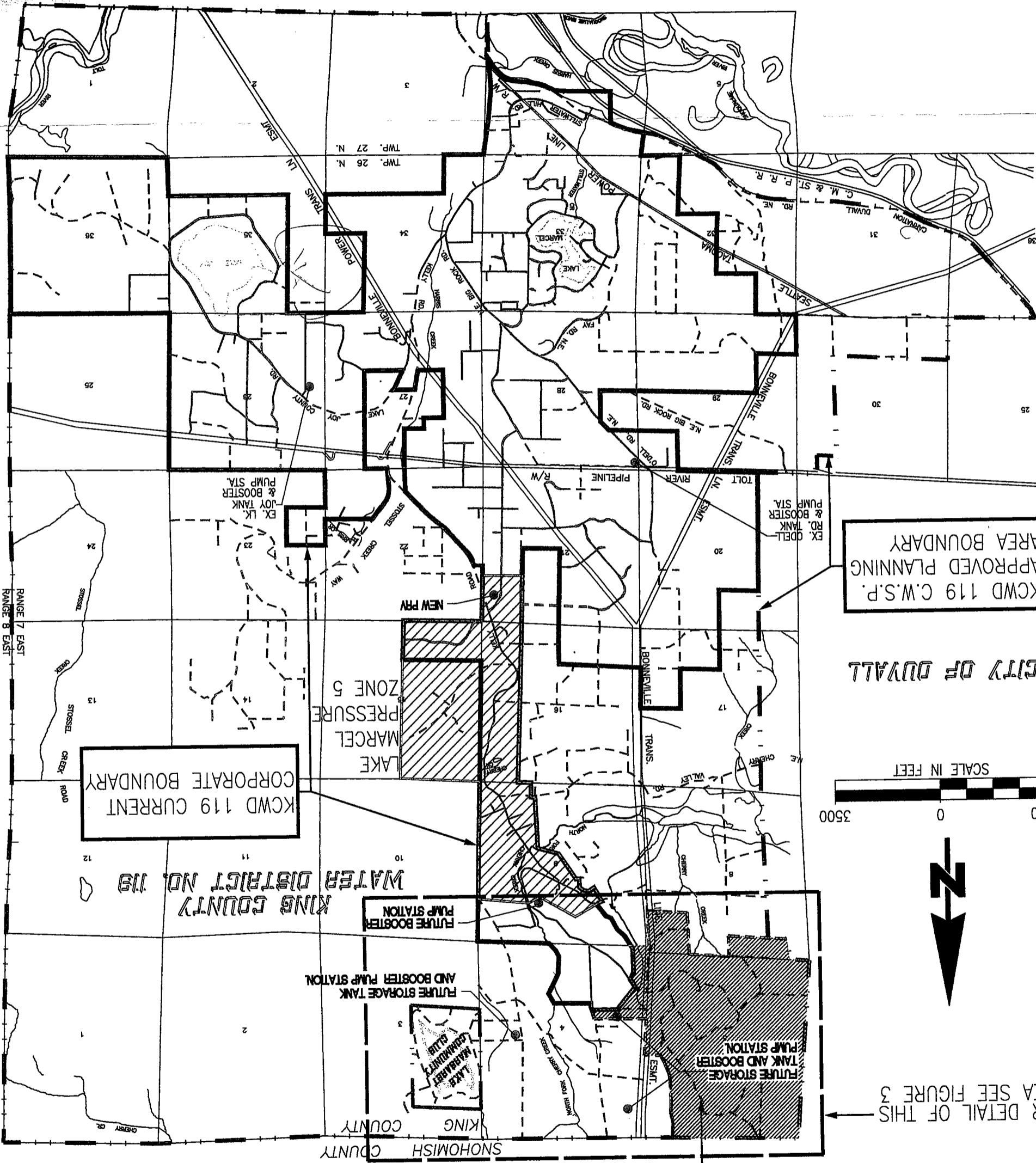
KING COUNTY
WATER DISTRICT NO. 119

- ANNEXATIONS**
- 13 NORTH LAKE JOY ESTATES
 - 14 CHERRY VALLEY PHASE I
 - 15 CHERRY VALLEY PHASE II
 - 16 CHERRY GARDENS
 - 17 MCBEE
 - 18 OLSON
 - 19 THOMAS

CITY OF GARNATION

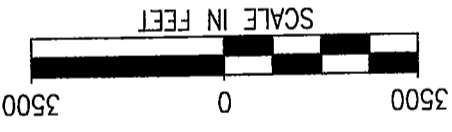
ecnm
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FAX (253) 952-7799

KING COUNTY WATER DISTRICT NO. 119 PLANNING AREA BOUNDARY PROPOSED HELLER ANNEXATION



KCWD 119 C.W.S.P.
APPROVED PLANNING
AREA BOUNDARY

CITY OF DUWALL



FOR DETAIL OF THIS
AREA SEE FIGURE 3

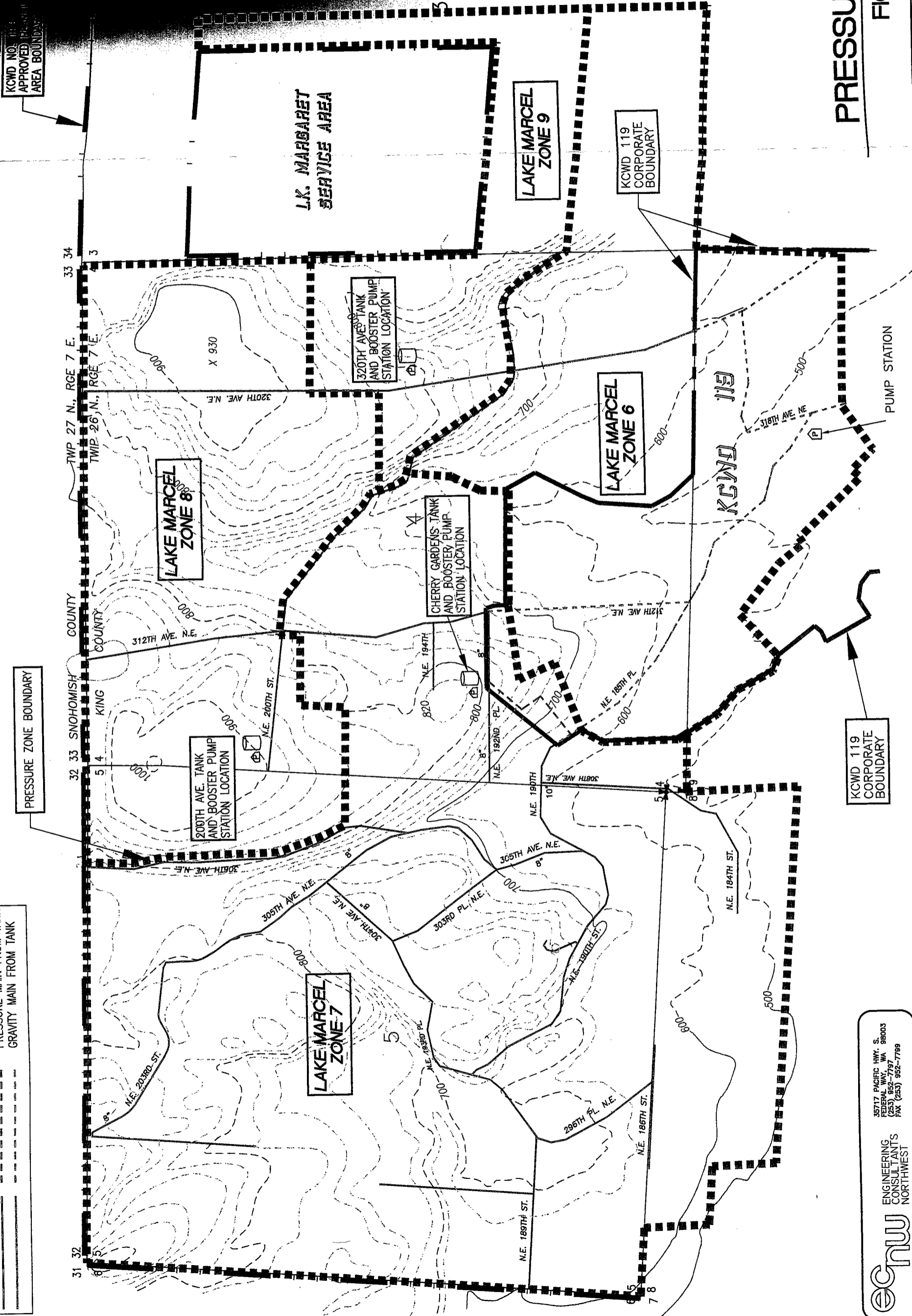
EXISTING WATER MAINS
FUTURE WATER MAINS

ecnm
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**KING COUNTY WATER DISTRICT NO. 119
AREA MAP**

LEGEND

	PROPOSED
	EXISTING
	PRESSURE MAIN FROM TANK
	GRAVITY MAIN FROM TANK



PRESSURE ZONES

FIGURE 3

ecnw
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(253) 852-1977
FAX (253) 852-7789

**APPENDIX A
ENVIRONMENTAL CHECKLIST**

ENVIRONMENTAL CHECKLIST

I. INTRODUCTORY INFORMATION

A. BACKGROUND

1. **Name of proposed project, if applicable:**

Comprehensive Water System Plan. Amendment No. 1

2. **Name of applicant:**

King County Water District No. 119

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

King County Water District No. 119
11106 318th Place N.E.
Carnation, WA 98014
Attention: Astrid Perry, District Clerk
(425) 788-2885

4. **Date checklist prepared:**

August 2000

5. **Agency requesting checklist:**

King County Water District No. 119
Washington State Department of Health

6. **Proposed timing or schedule:**

The Comprehensive Water System Plan proposes system improvements through the year 2005.

7. **Are there plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.**

The purpose of the Plan is to provide an orderly schedule for needed improvements and expansion of the water system in order to conform to regulatory standards and provide service to existing and future water system customers. The Plan is part of the District's normal planning process and is updated approximately every five years. Amendments are adopted from time to time to account for changed conditions or system needs.

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

King County Comprehensive Plan, 1995
Snoqualmie Valley Plan, 1989
East King County Coordinated Water System Plan, 1990

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.**

Not to our knowledge.

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

Washington State Department of Health, King County Council, and King County Utility Technical Review Committee approval of the amendment.

11. **Give brief, complete description of your proposal, including the proposed uses and the size of the project and site.**

The proposal consists of an amendment to the 1994 Comprehensive Water System Plan for Water District No. 119 of King County. The Plan was approved by the King County Council on April 12, 1995 under Ordinance No. 11743. The major elements of the Plan relate to the supply, storage and distribution of potable water within the District's planning boundary. The Water District provides potable water service to an unincorporated portion of East King County within boundaries designated by the East King County Coordinated Water System Plan (See Figure 1). The District currently has approximately 1060 residential connections to its system. The Amendment provides recommendations for water system improvements to serve the northern portion of the District in the Cherry Valley and Cherry Gardens areas. These improvements are necessary to serve the properties in the areas currently served by failing private wells. Major recommendations include:

- ULID No. 9 Storage Tank. Construct a new water storage tank of approximately 150,000 gallons.
- ULID No 10 Water Main Extension. Install approximately 10,000 linear feet of new 8 inch and 10 inch diameter mains in the northwest corner of the District's designated planning area.
- ULID No. 10 Pump Station. Installation of a booster pump station adjacent to the proposed ULID No. 9 tank.

- Other Improvements. Install other miscellaneous improvements as described in the Amendment.

The general location of each improvement is shown in Figures 2 and 3.

12. Location of the proposal.

The District's Planning Area is bounded by the Snohomish - King County line on the north, SR 203 on the south, the east line of Range 7 East, W.M., on the east and the City of Duvall's planning area boundary on the west. A map showing the District's boundaries is included in the Plan. The Amendment addresses service to the properties in Sections 3, 4, 5, 8 and 9, Township 27 North, Range 7 East, W.M.

II. ENVIRONMENTAL IMPACTS

1. EARTH

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

The land within the area addressed by the Amendment has varied terrain with a predominate rolling characteristic. Some areas are considered hilly or having steep slopes. Ground elevations range from approximately elevation 400 feet to elevation 1000 feet.

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

Some isolated areas have slopes exceeding 100 percent although the majority of the area has slopes of less than 10 to 15 percent.

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 major soil classifications within the District as identified by "Soil Survey for the King County Area" are Alderwood Gravelly Sandy Loam, Everett Gravelly Sandy Loam and Kitsap Silt Loam.

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

A small portion of the area is classified as having severe landslide hazards in the 1985 King County Comprehensive Plan and the Snoqualmie Valley Plan. Construction of water system improvements is not planned in these areas.

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

At such time water system improvements are constructed, soil excavation, backfilling, and compaction may be required. Impacts will generally be localized to the immediate area surrounding such work.

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

Minor increases in erosion may occur during construction of water system improvements, however these increases should be of short term duration. In addition, proper construction procedures should limit the potential for erosion.

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

Does not apply

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

Timing of construction, use of temporary erosion and siltation control facilities and proper construction procedures, as required by the specific project, will minimize the erosion impacts.

2. **AIR**

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

Some increases in dust and equipment exhaust fumes would be expected as result of construction activities. The impacts on air quality will be of short term duration and should be minimal. No increases in emissions will result from the completed improvements.

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

None to our knowledge.

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

None should be required.

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.

The following water bodies are located within the amendment planning area: Lakes. Margaret Streams. North Fork, Cherry Creek, Hanstead Creek and several unnamed seasonal streams.

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.

Future improvements to the water system may require construction within 200 feet of the previously listed water bodies and/or require crossing of the previously listed creeks, however, this work will be restricted to existing King County rights-of-way for which the District has a current utility franchise.

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.

The placement of fill or removal of dredge material from surface waters or wetlands is not expected.

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

Surface water withdrawals or diversions will not be required.

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

The proposed water system improvements do not lie within a 100-year floodplain.

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.

Discharges of waste materials to surface waters is not required.

b. Ground:

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

No.

2) Describe waste 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 is expected to serve.

All residences and other construction within the District are served by individual on-site sewage disposal facilities.

c. **Water Runoff (including storm water):**

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

Periodic routine flushing of the water distribution mains and the storage tanks will discharge potentially turbid waters to the storm drainage system.

2) Will this project generate waste materials which, if not handled properly, could enter ground or surface waters? If so, generally describe.

See answer above.

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

Water main and storage tank flushing is considered standard practice for public water systems. Flushing operations are typically of very short duration. Provisions are made prior to the work to direct the waters to established drainage facilities. Impacts to the environment should be negligible.

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, bulrush, skunk cabbage, other
- water plants: water lily, eelgrass, milfoil, other
- other types of vegetation
- Varying vegetation over entire planning area.

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

None likely. The majority of water system improvements will be constructed within the public right-of-way. Vegetation would be removed on a portion of the properties used for storage facilities or pumping stations to accommodate those facilities. Screening type landscape plants will be provided as required by King County codes and regulations.

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

None Known

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

Construction of water system improvements will attempt to minimize disturbances to existing vegetation.

5. ANIMALS

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

birds: Hawks, eagles, songbirds, crows
mammals: Deer, bear, mountain beaver
fish: Salmon, trout, bass

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

None known

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

No

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

None required

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.**

Electrical energy will be required for normal operation of the proposed water system improvements. The energy will be used to run pumping equipment and to heat and light utility buildings.

- 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:**

Energy efficient equipment and construction materials will be used where appropriate, in order to reduce energy 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.**

No. In fact, the recommendations in the Amendment are intended to help eliminate environmental health hazards by maintaining, and in some cases, enhancing the effectiveness of the water service in the area. Many existing homeowners in the northern portion of the District are currently served by private wells which have failed or run dry for extended periods during a typical year. These homeowners have had to haul water from other locations..

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

Not applicable

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

None required

b. Noise

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

Existing noise in the area would not affect the proposed water system improvements.

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, or production equipment, other)? Indicate what hours noise would come from the site.

Construction related activities may temporarily increase noise levels in the immediate vicinity of the work. The impacts will be of short term duration and occur only during normal working hours. Upon completion, the project will not generate any noise.

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

The proposed construction activity will comply with King County regulations intended to minimize potential noise impacts. In addition, construction activity will be limited to daytime hours.

8. LAND AND SHORELINE USE

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

The current land uses in the area are described in the King County Comprehensive Plan and the Snoqualmie Valley Plan.

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

There are small zones within the area which have been used for agricultural purposes. None of the proposed water system improvements would change the use of these properties.

c. Describe any structures on the site.

The District and surrounding area have numerous residential and some small commercial structures typical for a rural community of approximately 2,300 people.

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

None by this action.

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

The zoning classifications within the Amendment area as established in the Snoqualmie Valley Plan are Rural Residential (2.5 acre, 5 and 10 acre parcel sizes) and Forest Resource. A map showing zoning boundaries within the District is included in the 1994 Plan.

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

The land uses in the area are described in the King County Comprehensive Plan and the Snoqualmie Valley Plan.

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

Not applicable

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

Portions of the District have been classified as environmentally sensitive areas. These include floodways, wetlands, slopes over 40 percent and landslide hazard areas. Water system construction is not planned in these areas.

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

None

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

None

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

None required

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

The Comprehensive Water System Plan is compatible with the King County Comprehensive Plan and the Snoqualmie Valley Plan.

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 required

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?**

A recommendation in the Amendment calls for the construction of new water storage tanks to serve the system. The tank heights would be in accordance with King County zoning requirements; the tanks will be constructed of welded steel. All other proposed improvements involve structures of typical residential height.

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

None

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

The water storage tanks will be located such that aesthetic impacts will be minimized. Existing trees and vegetation on the tank sites will be maintained to provide natural screening.

11. LIGHT AND GLARE

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

None

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

No

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

None

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

None required

12. RECREATION

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

Fishing, swimming and hiking

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

No

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

None required

13. HISTORIC AND CULTURAL PRESERVATION

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

None known

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

No

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

In the event that any archaeological data is discovered as a result of construction activities, the work will be stopped until an evaluation of the site can be made by the appropriate authorities to ensure the archaeological data is preserved.

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 streets and roads serving the District are shown in the Plan. The major access road to the District is SR-203. Major roads in the Amendment area are Mountain View Road, 312th Avenue NE, 320th Avenue NE and 305th Avenue NE.

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

No

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

Not applicable

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

No. Temporary traffic control or detours may be required for construction of certain improvements, however.

- e. **Will the project 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? If known, indicate when peak volumes would occur.**

None

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

Construction work will be conducted in accordance with King County standards, as appropriate for the specific project, in order to minimize transportation impacts.

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. Action will make public Water available for potable and fire protection.**

Not as a direct result of adoption or implementation of the Plan.

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

None required

16. **UTILITIES**

- a. **Identify utilities currently available at the site:**

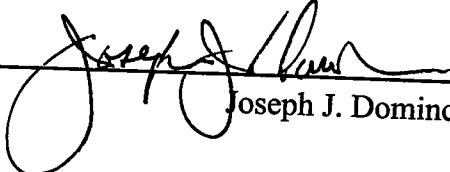
Electricity, refuse service, telephone, septic system, natural gas

- 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.**

Electrical service will be required at the proposed water storage tanks and booster pump stations.

III. 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.

Date: Aug. 1, 2000 Proponent: 
Joseph J. Dominczyk, P.E.

IV. SUPPLEMENTAL SHEET FOR NON-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?**

The proposed water system improvements might cause temporary increases in discharges to the water, emissions to the air, and the production of noise. These would be of short term duration coinciding with the construction of the proposed improvements. Appropriate control measures would be implemented during construction to minimize the impacts to the environment.

Proposed measures to avoid or reduce such increases are:

Construction activities related to the proposed improvements will comply with King County Regulations to minimize potential impacts. Provisions will be made to take care of excess soils, surplus water, mud, silt, or other runoff pumped from excavations or resulting from other operations. Sprinkling trucks may be used during construction of the proposed improvements to control dust.

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

Affects to plants, animals, fish and marine life is not expected.

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

The water system improvements will be designed to minimize the effects on plant, animals, and fish. These designs will be dependent on the conditions of the particular improvements. In all cases, the designs will meet the requirements of King County, the Department of Fisheries, and other regulatory agencies.

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

The improvements proposed in the Comprehensive Water System Plan and Amendment will improve the ability of the system to deliver water throughout its service area. Depletion of energy or natural resources will not result from the proposed improvements.

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

None required

4. **How would the proposal be likely to use or affect environmentally sensitive areas or areas designed (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 proposed improvements would not affect environmentally sensitive areas in the District.

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

None required

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 improvements would not affect land and shoreline uses. The Comprehensive Water System Plan and Amendment is compatible with the King County Comprehensive Plan and the Snoqualmie Valley Plan.

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

None required

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

The proposed improvements will not increase demands on transportation, public services or utilities.

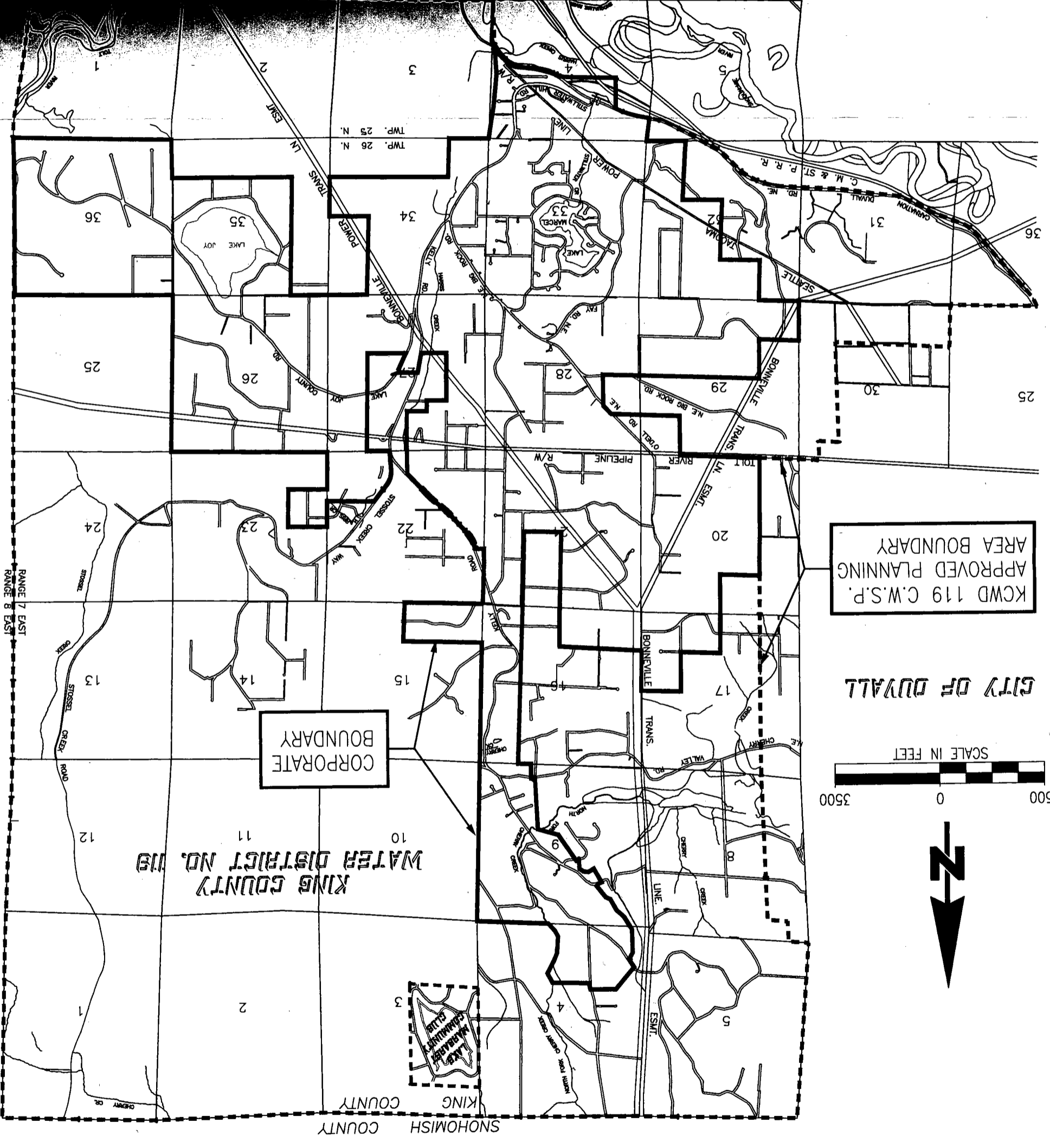
Proposed measures to reduce or respond to such demands(s) are:

None required.

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

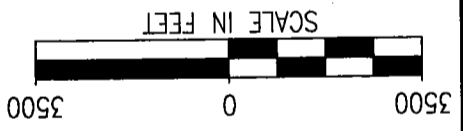
It is not anticipated that the proposed improvements will conflict with local, state, or federal laws or requirements for the protection of the environment. The Comprehensive Water System Plan and Amendment is compatible with the King County Comprehensive Plan and the Snoqualmie Valley Plan.

KING COUNTY WATER DISTRICT NO. 119 PLANNING AREA BOUNDARY



KCWD 119 C.W.S.P.
APPROVED PLANNING
AREA BOUNDARY

GITY OF DUYALL

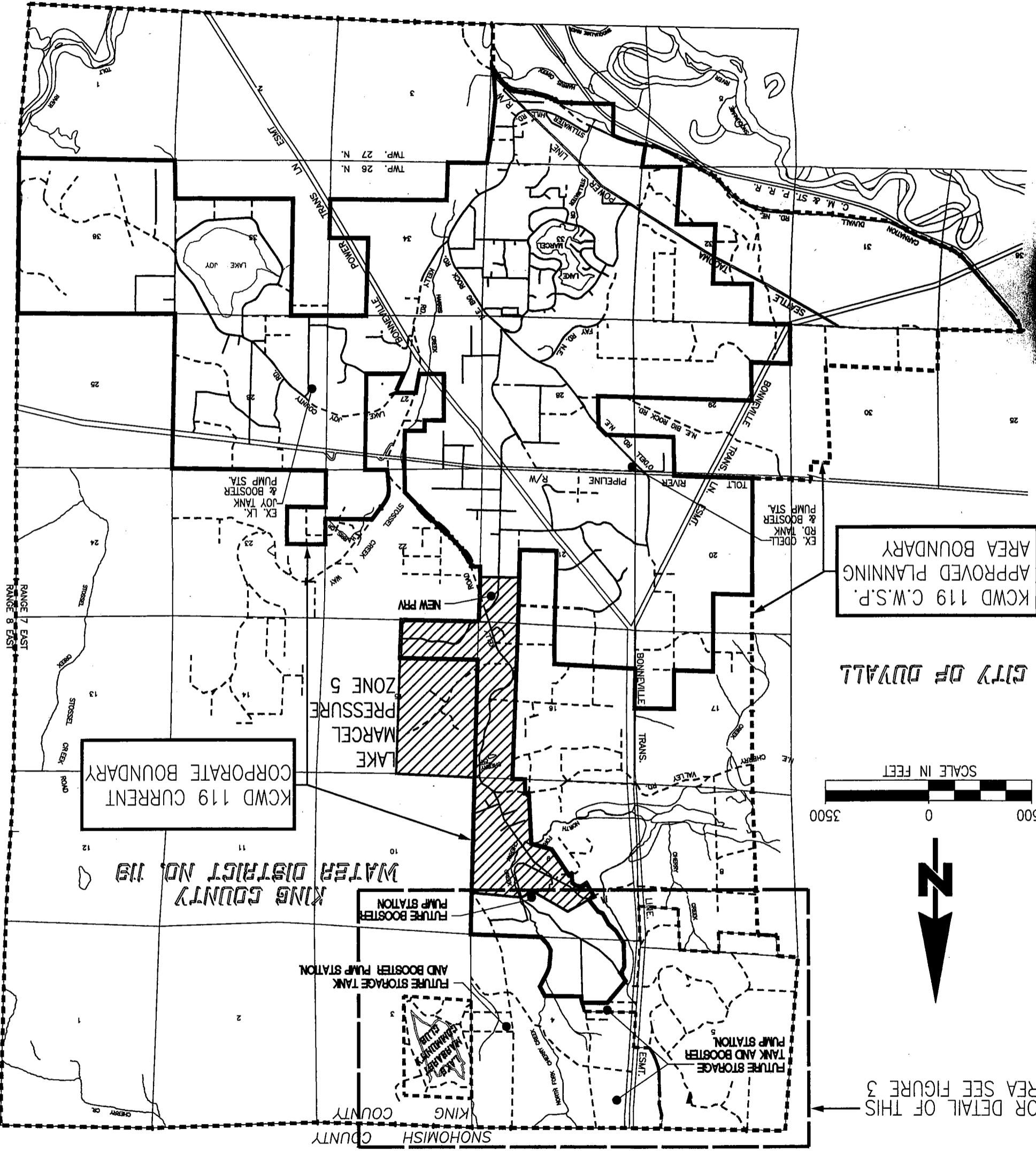


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AD119/CUM/AMMEND/SEPA/HURK-1 1=3500 6-5-00 RSU

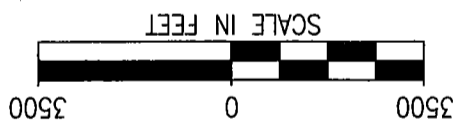
CITY OF GARNATION

EXISTING WATER MAINS
 FUTURE WATER MAINS



KCWD 119 C.W.S.P.
 APPROVED PLANNING
 AREA BOUNDARY

KCWD 119 CURRENT
 CORPORATE BOUNDARY



FOR DETAIL OF THIS
 AREA SEE FIGURE 3

KING COUNTY WATER DISTRICT NO. 19

**APPENDIX B
INTERLOCAL AGREEMENT REGARDING
WATER SERVICE AREA BOUNDARIES**

**INTERLOCAL AGREEMENT REGARDING
WATER SERVICE AREA BOUNDARIES**

**RECEIVED
OCT 25 2000
ECNW**

This Agreement ("Agreement") is executed this 20th day of October, 2000, by and between the City of Duvall (the "City") and King County Water District No. 119 (the "District"), both of which are municipal corporations of the State of Washington.

RECITALS

A. WHEREAS, pursuant to Chapter 70.116 RCW, the Public Water System Coordination Act, the City and the District previously agreed upon future water utility service area boundaries for the purpose of designating the water purveyor with the responsibility to provide water service within such designated water service area; and

B. WHEREAS, the future water utility service areas designated by the City and the District are contained in a Coordinated Water System Plan for East King County which was approved by the Washington State Department of Health and other government agencies with jurisdiction, pursuant to the requirements and procedures set forth in Chapter 70.116 RCW; and

C. WHEREAS, the parties now desire to modify and revise the future water service area boundary between the City and the District; now, therefore,

AGREEMENT

IT IS HEREBY AGREED by and between the parties hereto as follows:

1. Revised Water Service Area Boundary. The City and the District hereby agree upon a new future water service area boundary as such revised boundary is legally described on Exhibit "A" attached hereto and as such revised boundary is depicted on a map attached hereto as Exhibit "B" ("Revised Boundary").

2. Governmental Approvals. The Revised Boundary shall be approved by all governmental agencies with jurisdiction and the parties agree to give notice of the approval of this Agreement to Metropolitan King County, the Water Utility Coordinating Committee ("WUCC"), the Washington State Department of Health, the East King County Regional Water Authority, the Washington State Boundary Review Board for King County and any other governmental agencies which are required to review and approve this Agreement. The parties agree to cooperate and assist in any reasonable manner to obtain the approval of the Revised Boundary provided that the District shall pay all costs and expenses incurred to obtain such governmental agency approval including those costs and expenses incurred by the City.

3. Entire Agreement/1988 Water Service Area Agreement. This Agreement constitutes the entire agreement between the parties concerning the subject matter herein and there are no representations or agreements other than those incorporated herein. Future agreements may occur between the parties to identify, agree upon or revise future water service area boundaries. However, that portion of the District's water service area as described and depicted on Exhibit "A" ("the Anderson Area") of an agreement dated January 6, 1988 between the parties entitled "Agreement to Provide Water Service and Amending Water Planning Boundaries and Service Areas" as amended by further agreement dated June 16, 2000 (collectively the "1988 Agreement") shall be included in the City's water service area boundary and the City shall provide water service exclusively to such area if the District's water system is not extended to serve such area within seven (7) years from the date of this Agreement; in such event, the parties shall cooperate to obtain the approval of appropriate governmental agencies required for such change in service area; provided, that no other terms and conditions of the 1988 Agreement are modified or amended by this Agreement and the 1988 Agreement shall remain in full force and effect.

4. Service Area Obligation. Nothing herein shall be construed to alter the rights, responsibilities, liabilities or obligations of the either party regarding provision of water services to the future water service area designated herein except as specifically set forth herein.

Wherefore, the parties have executed this Agreement on the date and year first herein above written.

CITY OF DUVALL

Glen Kuntz 10-20-00
Mayor Date

ATTEST:

Patricia Schwinn 10-20-00
City Clerk Date

APPROVED AS TO LEGAL FORM

[Signature]
City Attorney

KING COUNTY WATER
DISTRICT NO. 119

By: _____

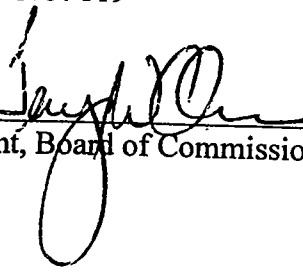

President, Board of Commissioners

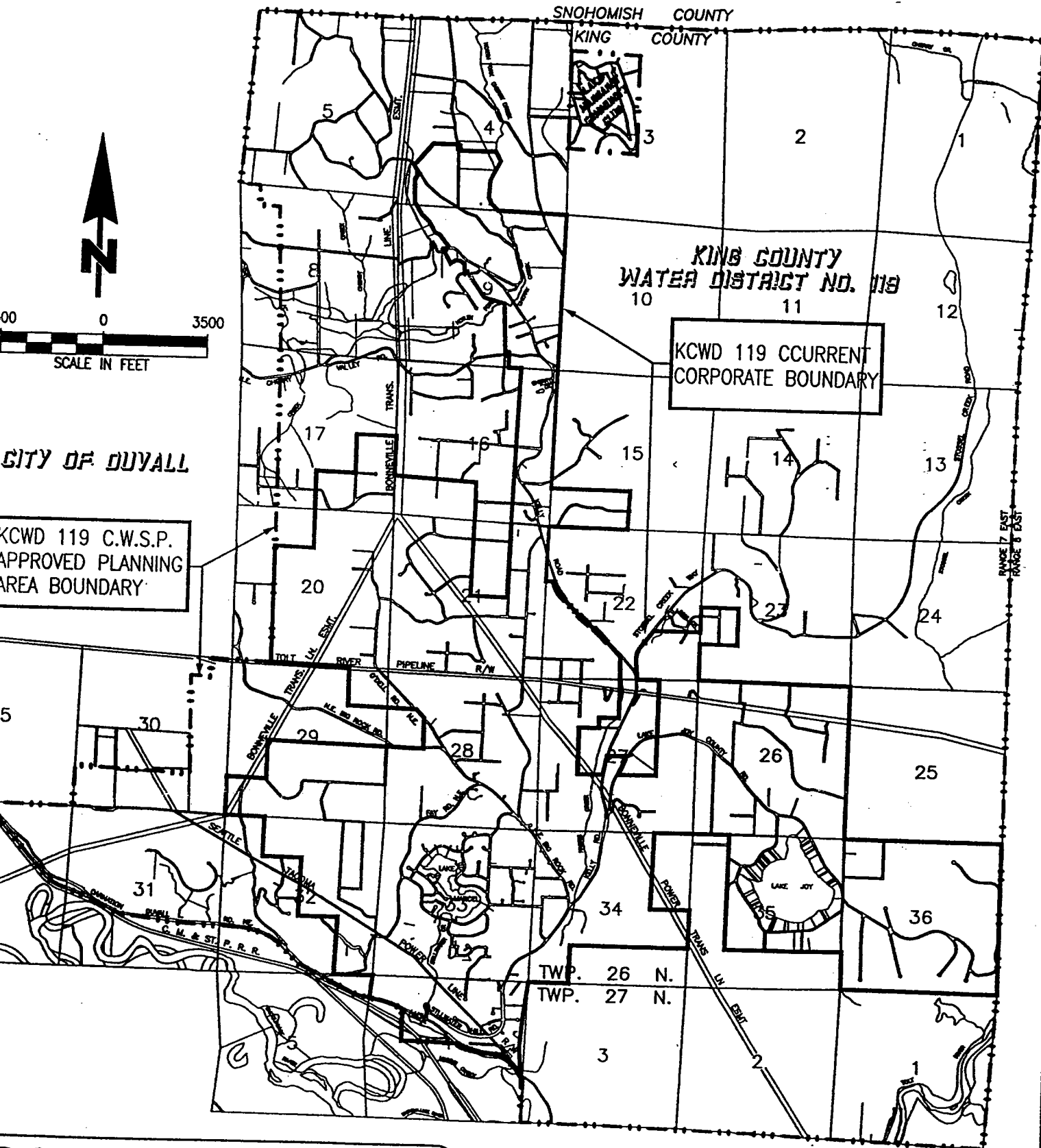
EXHIBIT "A"
LEGAL DESCRIPTION

DATE: OCTOBER 2000

That portion of Township 26 North, Ranges 6 and 7 East, Willamette Meridian, King County, Washington described as follows:

Beginning at a point on the north line of Section 36, Township 26 North, Range 6 East, W.M. at the south margin of Carnation-Duvall Road NE; thence East along the north line of said Section 36 to the southwest corner of Section 30, Township 26 North, Range 7 East, W.M.; thence North along the west line of the Southwest Quarter of the Southwest Quarter of said Section 30 to the northwest corner of the South Half of the South Half of said Section 30; thence East along the north line of said South Half of the South Half of Section 30 to the west line of the East Half of the East Half of said Section 30; thence North along said west line of the East Half of the East Half to the southwest corner of the Northwest Quarter of the Northeast Quarter of the Northeast Quarter of said Section 30; thence East along the south line of the said Northwest Quarter of the Northeast Quarter of the Northeast Quarter to the southeast corner thereof; thence North along the east line of said Northwest Quarter of the Northeast Quarter of the Northeast Quarter to the northwest corner of the Northeast Quarter of the Northeast Quarter of Section 30, Township 26 North, Range 7 East, W.M.; thence East along the north line of said Northeast Quarter, of the Northeast Quarter, of the Northeast Quarter, to the northwest corner of Section 29, Township 26 North, Range 7 East, W.M.; thence continuing East along the north line of Section 29, Township 26 North, Range 7 East, W.M. to the southwest corner of the Southeast Quarter of the Southwest Quarter of Section 20, Township 26 North, Range 7 East, W.M.; thence North along the east line of the West Half of the West Half of said Section 20 to the southwest corner of the Southeast Quarter of the Southwest Quarter of Section 17, Township 26 North, Range 7 East, W.M.; thence continuing North along the east line of the West Half of the West Half of said Section 17 to the southwest corner of the Southeast Quarter of the Southwest Quarter of Section 8, Township 26 North, Range 7 East, W.M.; thence continuing North along the east line of the West Half of the West Half of said Section 8 to the southeast corner of the Northeast Quarter of the Northwest Quarter of the Northwest Quarter of said Section 8; thence West along the south line of the Northeast Quarter of the Northwest Quarter of the Northwest Quarter to the southwest corner thereof; thence North along the west line of the Northeast Quarter of the Northwest of the Northwest Quarter to the northwest corner thereof; thence West along the north line of Section 8 to the northwest corner of said Section 8, thence North along the west line of Section 5, Township 26 North, Range 7 East, W.M. to the northwest corner thereof and the northern limits of King County and the terminus point of this description.

EXHIBIT "B"



CITY OF DUVALL

KCWD 119 C.W.S.P. APPROVED PLANNING AREA BOUNDARY

KCWD 119 CURRENT CORPORATE BOUNDARY

TWP. 26 N.
TWP. 27 N.

CITY OF GARNATION



ENGINEERING CONSULTANTS NORTHWEST

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(206) 952-7797
FAX (206) 952-7799