



DEVELOPMENT SERVICES DEPARTMENT
ENVIRONMENTAL COORDINATOR
450 110th Ave NE., P.O. BOX 90012
BELLEVUE, WA 98009-9012

OPTIONAL DETERMINATION OF NON-SIGNIFICANCE (DNS) NOTICE MATERIALS

The attached materials are being sent to you pursuant to the requirements for the Optional DNS Process (WAC 197-11-355). A DNS on the attached proposal is likely. This may be the only opportunity to comment on environmental impacts of the proposal. Mitigation measures from standard codes will apply. Project review may require mitigation regardless of whether an EIS is prepared. A copy of the subsequent threshold determination for this proposal may be obtained upon request.

File No. 09-121920-XE
Project Name/Address: COB Utilities – PRV #67 Replacement/17002 NE 2nd Pl.
Planner: Reilly Pittman
Phone Number: 425-452-4350

Minimum Comment Period: August 27, 2009

Materials included in this Notice:

- Blue Bulletin
- Checklist
- Vicinity Map
- Plans
- Other:

City of Bellevue Submittal Requirements

27a

ENVIRONMENTAL CHECKLIST

6/5/09

If you need assistance in completing the checklist or have any questions regarding the environmental review process, please visit or call the Permit Center (425-452-6864) between 8 a.m. and 4 p.m., Monday through Friday (Wednesday, 10 to 4). Assistance for the hearing impaired: Dial 711 (Telecommunications Relay Service).

BACKGROUND INFORMATION

Property Owner: *City of Bellevue Utilities Dept, Provides utility service to the neighborhood and holds utility easement rights for the neighborhood and project site. Valley Greene PUD is the underlying property owner.*
 Proponent: *City of Bellevue Utilities Department*

Contact Person: *Bob Bergstrom PE Senior Engineer*
 (If different from the owner. All questions and correspondence will be directed to the individual listed.)

Address: *City of Bellevue Utilities, City Hall, P.O. Box 90012, Bellevue WA 98009-9012.*

Phone: *425 452 4474*

Proposal Title: *Pressure Reducing Station (PRV) # 67 Replacement*

Proposal Location: *17002 NE 2nd Place, Bellevue WA*
 (Street address and nearest cross street or intersection) Provide a legal description if available.

Please attach an 8 ½" x 11" vicinity map that accurately locates the proposal site.

Give an accurate, brief description of the proposal's scope and nature:

1. General description: *Construction 260 linear feet of new 6" diameter ductile iron water pipe and a new underground pressure reducing control valve vault. The proposed project replaces an existing facility.*
2. Acreage of site: *+/- 1/10 acre or 5,200 square feet of work area.*
3. Number of dwelling units/buildings to be demolished: *Zero*
4. Number of dwelling units/buildings to be constructed: *Zero*
5. Square footage of buildings to be demolished: *Zero*
6. Square footage of buildings to be constructed: *Zero*
7. Quantity of earth movement (in cubic yards): *190 cubic yards in trench and structure excavation and backfill*
8. Proposed land use: *No Change. The specific project site is currently vacant or an existing paved driveway. The site is within the Valley Greene neighborhood, an existing residential neighborhood.*
9. Design features, including building height, number of stories and proposed exterior materials: *All completed work is underground.*
10. Other

RECEIVED

JUN 3 1 2009

PERMIT PROCESSING

PRV # 67 REPLACEMENT PROJECT
 WATER SYSTEM IMPROVEMENT
 @ 17002 NE 2ND PLACE

Estimated date of completion of the proposal or timing of phasing: *The replacement of PRV # 67 is scheduled for the summer of 2009 or 2010, depending upon the release of required permits.*

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

No, an alternative design was prepared for this project reconstructing PRV # 67 closer to it's current location. That design approach was quite disruptive to the residents and was a higher cost project. This alternative is shown as a attachment .

List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. *None.*

Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. List dates applied for and file numbers, if known.

None.

List any government approvals or permits that will be needed for your proposal, if known. If permits have been applied for, list application date and file numbers, if known.

Clear and Grade permit- City of Bellevue, Temporary Erosion and Siltation Control, City of Bellevue

Please provide one or more of the following exhibits, if applicable to your proposal. (Please check appropriate box(es) for exhibits submitted with your proposal):

- Land Use Reclassification (rezone) Map of existing and proposed zoning
- Preliminary Plat or Planned Unit Development
Preliminary plat map
- Clearing & Grading Permit
Plan of existing and proposed grading
Development plans
- Building Permit (or Design Review)
Site plan
Clearing & grading plan
- Shoreline Management Permit
Site plan

A. ENVIRONMENTAL ELEMENTS

1. Earth

- a. General description of the site: Flat Rolling Hilly Steep slopes Mountains Other
- b. What is the steepest slope on the site (approximate percent slope)? *About 40 percent slope. See attached Exhibit.*
- c. What general types of soil are found on the site (for example, clay, sand, gravel, peat, and muck)? If you know the classification of agricultural soils, specify them and note any prime farmland. *Two soil types are inventoried on the site: On the upper portion of the project site: Alderwood Gravelly Sand Loam (AgD) and on the lower portion of the site: Arents, Alderwood material (AmC) a decomposed or weathered till. The AmC is a weathered Till material and is classified as a gravelly sandy loan. See attached Exhibit.*
- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

None

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill. *Approximately 190 cubic yards of utility pipe trench will be excavated for the new pipe line installation and will be backfilled with imported material.*

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. *Construction activity may trigger erosion or siltation if uncontrolled. This proposed project will implement erosion and siltation control procedures as well as implement Best Management Practices.*

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? *No net change in the existing site. All work is to be buried. The existing surfaces will be restored to pre-construction conditions.*

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: *This project will specify and require incorporation of temporary erosion and siltation control elements as part of the construction work for the project. Well implemented erosion and siltation control techniques will reduce most of the impacts of construction to down stream water resources.*

2. AIR

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

Some dust may be generated during trench excavation and back fill as well as haul of unsuitable soil to a disposal site.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. *None*

c. Proposed measures to reduce or control emissions or other impacts to the air, if any: *Dust emission during construction will be controlled by the use of Best Management Practices including: periodic street sweeping along the access and haul routes, watering of uncovered soil, covering piles of earth and replanting the pipe line alignment after construction.*

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.

Lake Sammamish is approximately 1/2 a mile to the east of the project site.

A Type-N stream is within 100 feet of the work area within the City owned Sunich Property.

(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*

Proposed work will be less than 100 feet away from the Type-N stream but is outside of any stream buffer or structure setback required in LUC 20.25H.

(3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material. *No fill will be placed in wetlands or into surface waters.*

(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.
The project does not intend any discharges of waste materials to surface waters. Construction may cause release of eroded soil or silts if uncontrolled into down stream creeks and lakes. This project specifies and will implement erosion and siltation control procedures as well as implement Best Management Practices.

b. Ground

- (1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description. *No*
- (2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals...; agricultural; etc.) Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.
No discharges will occur.

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.
Storm water in the Valley Greene neighborhood is collected by piped drainage storm system. The storm lines discharge to Lake Sammamish.
- (2) Could waste materials enter ground or surface waters? If so, generally describe.
The project site is uphill and tributary to Lake Sammamish. Storm water laden with waste materials, silts and erosion material may reach Lake Sammamish if uncontrolled.

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

The project does not intend any discharges of waste materials to surface waters. Construction may cause release of eroded soil or silts if uncontrolled into down stream creeks and lakes. This project specifies and will implement erosion and siltation control procedures as well as implement Best Management Practices.

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

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

The work area is covered with grass, blackberries, salal and Oregon Grape.

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

No threatened, endangered, or candidate plants are known on the site or in the general vicinity.

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

The existing vegetation and landscaping will be replaced.

5. ANIMALS

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

X Birds: hawk, heron, eagle, songbirds, other: *No active Eagle roosts or nests are known in the area, but all types of birds may forage, transit or rest in the general hill side area of the project site.*

X Mammals: deer, bear, elk, beaver, other: *Small rodents, Skunk, Coyote, Mt Beaver, Raccoons and rats are all found in these partially developed buffer areas adjacent to residential areas.*

Fish: bass, salmon, trout, herring, shellfish, other: *No fish are found on the job site area. The project site has no open water.*

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

No threatened, endangered, or candidate animals are known on the site or in the general vicinity.

c. Is the site part of a migration route? If so, explain. *The Lake Sammamish area of Bellevue is part of the larger Pacific Flyway, part of the western United States migration route for birds.*

d. Proposed measures to preserve or enhance wildlife, if any: *Restore existing plantings after construction is complete. The habitat will be restored to pre-construction condition.*

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 need? Describe whether it will be used for heating, manufacturing, etc.

None. The control valve is self powered.

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

No impacts will occur. All work is underground and does not protrude above ground. A small 3" diameter pipe overflow relief will stick up about 2-1/2 feet above the finished grade up against an existing rockery retaining wall.

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

None, the project is self powered and requires no outside energy.

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.

The project is a potable water piping system improvement. Drinking water is conveyed in the pipes and control valves. Construction equipment and vehicles could spill lubricants and fuel if improper methods are used for servicing equipment. Implementation of Best Management Practices are important to control spills of lubricants, fuel and other fluids used in construction equipment.

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

Spill containment as well as implementation of Best Management Practices for construction is important to avoid spills.

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

Implementation of Best Management Practices are important to control spills of lubricants, fuel and other fluids used in construction equipment.

b. Noise

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

None

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

Construction equipment used during installation of the new water main and pressure reducing valve vault will generate noise. This noise is unavoidable, however construction schedules can be managed to reduce impacts.

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

Construction will be limited between 7:30 AM and 6:00 PM Monday thru Friday, as defined by the Public Works contract and in accordance with the City of Bellevue Noise Ordinance.

**Noise regulated by
BCC 9.18**

8. Land and Shoreline Use

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

The project site is a residential area of both single family homes and clustered homes.

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

No

c. Describe any structures on the site.

Single family homes and clustered residential homes.

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

None

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

R-5

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

Medium Density Residential

SF-H, Single-Family High Density

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.

The steep sloped areas are classified as such.

i. Approximately how many people would reside or work in the completed project?
No net change in residents.

j. Approximately how many people would the completed project displace?
No net change in residents.

k. Proposed measures to avoid or reduce displacement impacts, if any:
There are no impacts that will displace existing residents.

i. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:
The project is the replacement of the existing potable water system to allow continued water service to the residents.

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.
No change in residents or homes.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.
No change in residents or homes.

c. Proposed measures to reduce or control housing impacts, if any:
No change in residents or homes.

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?
The proposed work is all underground water system improvements.

b. What views in the immediate vicinity would be altered or obstructed?
No impacts. All work will be underground.

c. Proposed measures to reduce or control aesthetic impacts, if any:
No impacts. All work will be underground.

11. Light and Glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?
The proposed water main project does not generate light or glare. All work is underground.

b. Could light or glare from the finished project be a safety hazard or interfere with views?
No

c. What existing off-site sources of light or glare may affect your proposal?
No

d. Proposed measures to reduce or control light or glare impacts, if any:
No applicable.

12. Recreation

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

The Valley Greene neighborhood has a privately owned Pool and recreation area. Adjacent to the project site, the City of Bellevue Parks Department owns an undeveloped park site: the Sunich Property. Other regional parks, and local playgrounds are uphill to the north and northwest of the project site.

b. Would the proposed project displace any existing recreational uses? If so, describe.
No.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
None.

13. Historic and Cultural Preservation

a. Are there any 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, archeological, scientific, or cultural importance known to be on or next to the site.

No.

c. Proposed measures to reduce or control impacts, if any:
None.

14. Transportation

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any. *The Valley Greene neighborhood lies east of West Lake Sammamish Parkway and south of Northup Way. Both Arterials provide access to the regional road and highway systems.*

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop? *King County/Metro Transit has a bus line along West Lake Sammamish Parkway. There are stops at the east end of the Valley Greene neighborhood.*

b. How many parking spaces would be completed project have? How many would the project eliminate? *No parking spaces will be permanently displaced. Some minor disruption may occur during construction.*

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

No.

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. *Construction equipment will be moved to and from the project site using the internal streets inside the Valley Greene neighborhood as well as using Northup Way and West Lake Sammamish Parkway.*

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur. *Construction equipment and crews will enter the site at the start of the working day and leave at the end of each working day. Approximately 20 truck trips will be required to remove excess trench excavated material and backhaul trench backfill.*

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

The Contractor must apply for and obtain a City of Bellevue Right of Way Use Permit which will monitor haul routes for spilled materials and debris as well as regulating hours of travel and any temporary traffic controls required.

15. Public Services

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

The project is an upgrade to the public water system. This improvement provides timely replacement of old equipment to insure continued potable water supply to the neighborhood.

b. Proposed measures to reduce or control direct impacts on public services, if any.
Not applicable.

16. Utilities

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

All utilities are available. The project is an upgrade to the public water system. This improvement provides timely replacement of old equipment to insure continued potable water supply.

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.

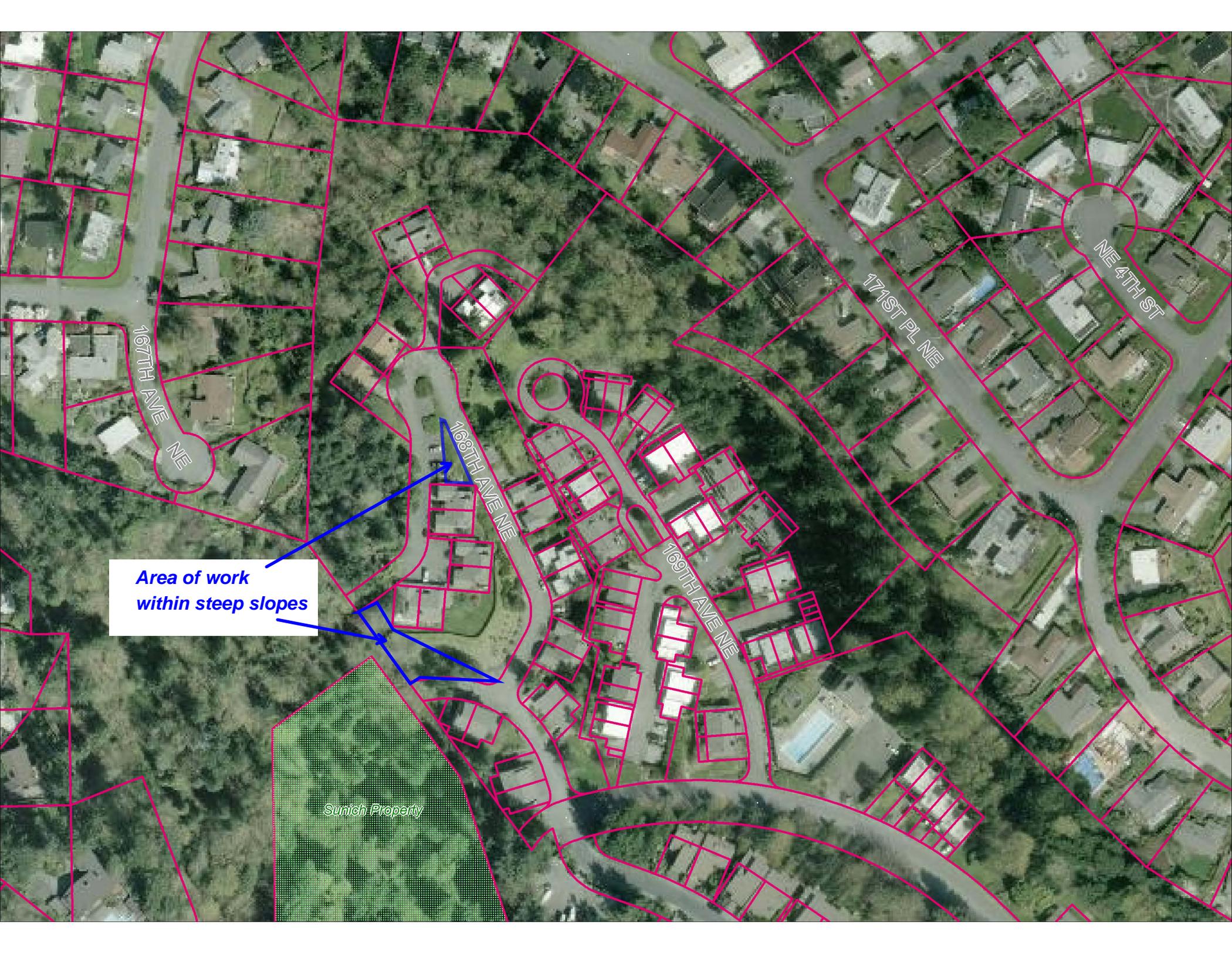
The project is an upgrade to the public water system. This improvement provides timely replacement of old equipment to insure continued potable water supply.

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..... *Robert E Bergstrom* *Robert E Bergstrom PE*
Date Submitted..... *6/26/09*

PREPARED BY BOB BERGSTROM PE
SENIOR ENGINEER
CITY OF BELLEVUE
UTILITIES DEPARTMENT
P.O. BOX 90012
BELLEVUE WA 98009-9012
PHONE 425 452 4474
E-MAIL: bbergstrom@bellevuewa.gov



**Area of work
within steep slopes**

Sunich Property

167TH AVE
NE

168TH AVE NE

169TH AVE NE

171ST PL NE

NE 4TH ST

CITY OF BELLEVUE UTILITIES

PRV #67 REPLACEMENT
C.I.P. W-67

MAYOR
GRANT DEGGINGER

DEPUTY MAYOR
CLAUDIA BALDUCCI

CITY MANAGER
STEVE SARKOZY

DIRECTOR OF UTILITIES
DENNIS VIDMAR

CITY COUNCIL
PATSY BONINCONTRI
JOHN CHELMINIAC
DON DAVIDSON
CONRAD LEE
PHIL NOBLE

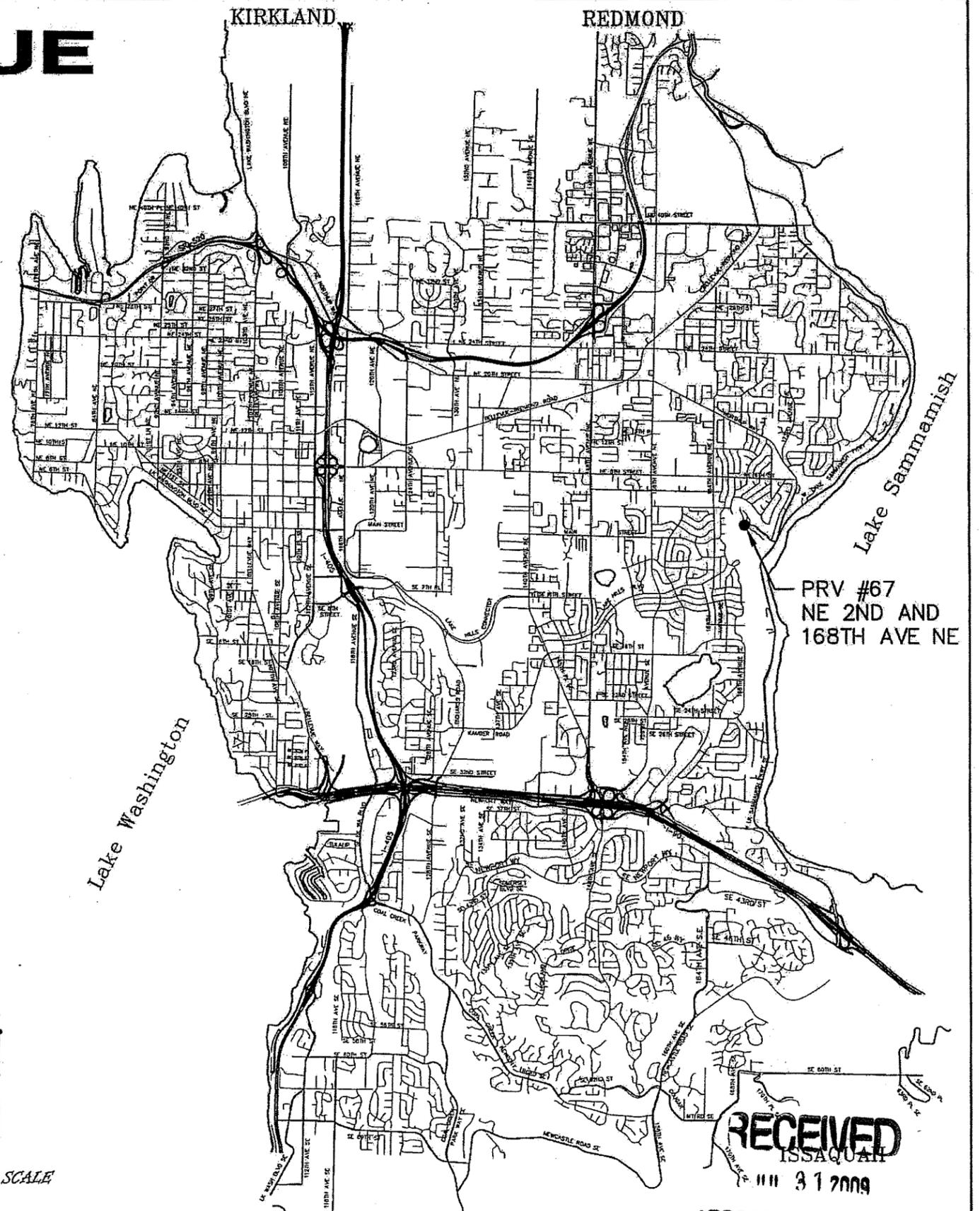
Total Area disturbed: 1/10 acre, 5,200 sq ft
Total volume Excavated/Backfill: 190 CY

DRAWING INDEX

SHEET 1 OF 8	COVER SHEET AND INDEX
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SHEET 5 OF 8	DETAIL #2
SHEET 6 OF 8	PRV VAULT 6x2x2
SHEET 7 OF 8	TESC BMP'S STANDARD DETAILS
SHEET 8 OF 8	LANDSCAPE RESTORATION

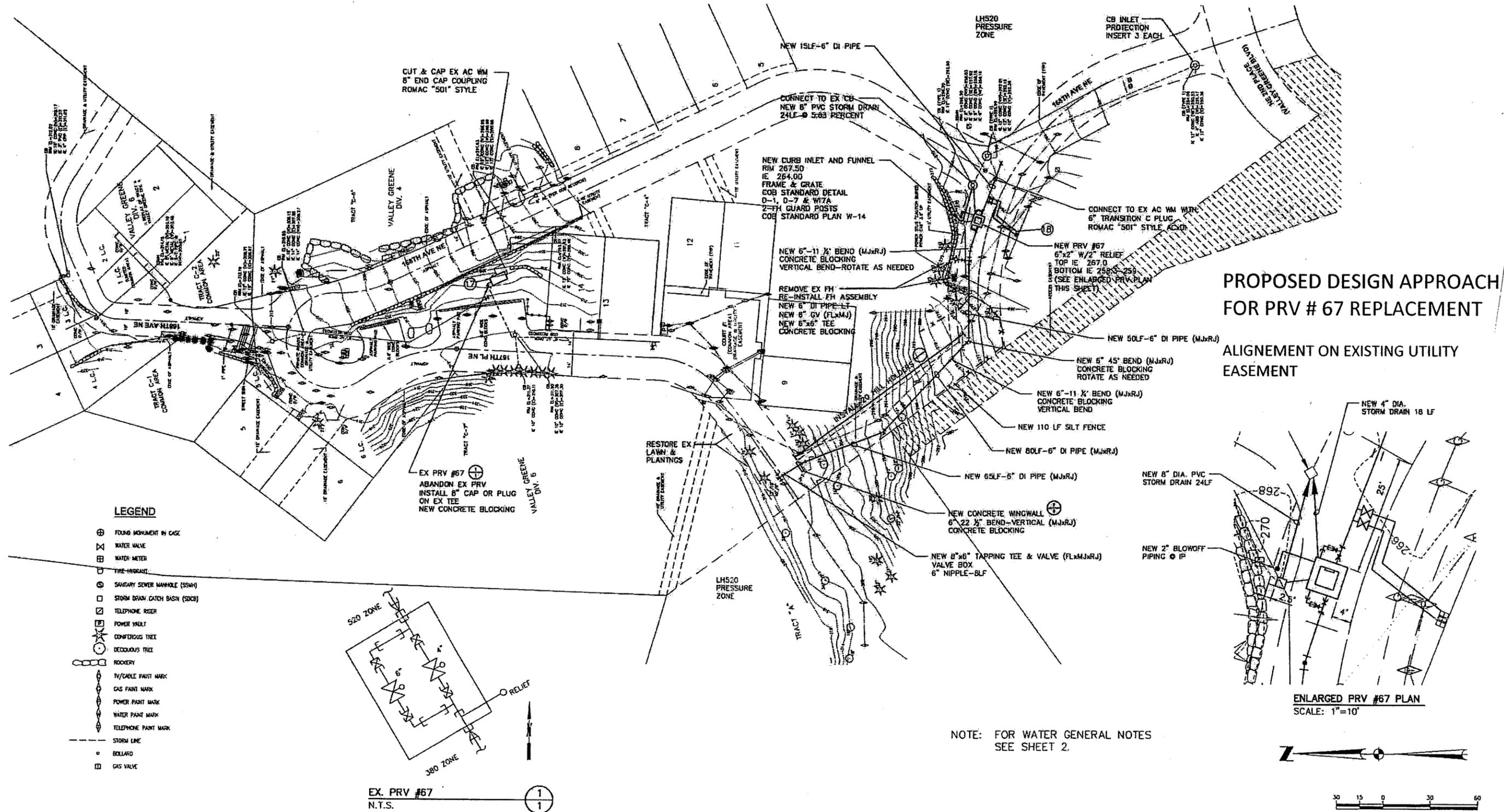
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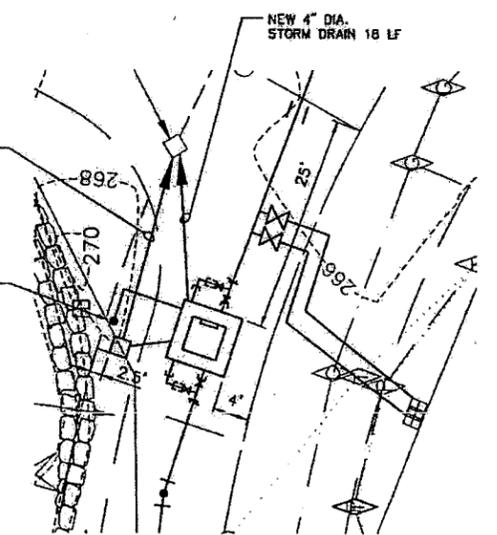


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MAY 31 2009
PERMIT PROCESSING

A PORTION OF THE NW QUARTER OF SEC. 36, TWP. 25 N, R. 5 E, W. M., KING COUNTY, WASHINGTON

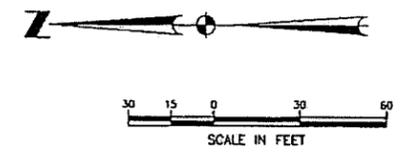


**PROPOSED DESIGN APPROACH
FOR PRV # 67 REPLACEMENT**
ALIGNMENT ON EXISTING UTILITY
EASEMENT

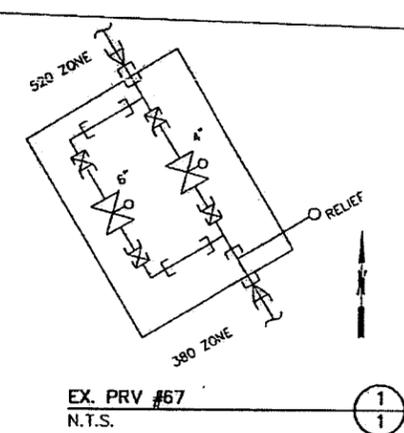


ENLARGED PRV #67 PLAN
SCALE: 1"=10'

NOTE: FOR WATER GENERAL NOTES
SEE SHEET 2.



- LEGEND**
- ⊕ FOUND MONUMENT IN CASE
 - ⊗ WATER VALVE
 - ⊕ WATER METER
 - ⊕ FIRE HYDRANT
 - ⊕ SANITARY SEWER MANHOLE (SSMH)
 - ⊕ STORM DRAIN CATCH BASIN (SDCB)
 - ⊕ TELEPHONE RISER
 - ⊕ POWER VAULT
 - ⊕ CONIFEROUS TREE
 - ⊕ DECIDUOUS TREE
 - ⊕ ROCKERY
 - ⊕ TV/CABLE PAINT MARK
 - ⊕ GAS PAINT MARK
 - ⊕ POWER PAINT MARK
 - ⊕ WATER PAINT MARK
 - ⊕ TELEPHONE PAINT MARK
 - STORM LINE
 - BOLLARD
 - ⊕ GAS VALVE



NO	DATE	BY	APPR	REVISIONS

C.A.D.D.
168th Ave NE-PRV #67.dwg
MAY 27, 2009

CALL 72 HOURS BEFORE YOU DIG
811
Know what's below. Call before you dig.

Approved By

DESIGN MANAGER _____ DATE _____
PROJECT MANAGER _____ DATE _____

City of Bellevue UTILITIES

DESIGNED BY _____ DATE _____
DRAWN BY _____ DATE _____
CHECKED BY _____ DATE _____

PRV #67 REPLACEMENT 2009 PLAN

NW 36-25-5 M-7 SHT 3 OF 7

FBK 295/310

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