



MEMORANDUM

Date: January 12, 2012

To: Houghton Community Council

From: Joan Lieberman-Brill, AICP, Senior Planner

Subject: Final Approval of 2011 City Initiated Comprehensive Plan Amendments
(file No. ZON11-00001)

Recommendation

The Houghton Community Council has three options for final action on the 2011 cycle of City Initiated Comprehensive Plan Amendments (CPA's). They are:

1. Approve the enclosed Houghton Resolution No. 2012-1 which adopts Ordinance 4336 as approved by the City Council on December 12, 2011. Approval of the resolution would make the ordinance effective within Houghton's jurisdiction;
2. Disapprove the amendments by a majority of the Community Council approving a resolution to disapprove; or
3. Fail to disapprove the ordinance within 60 days after City Council approval. This would have the effect of approving the amendments.

Background

All amendments within the HCC's jurisdiction are noted with an asterisk in Attachment 1. These include:

- Amendments to the Transportation and Capital Facilities Elements of the Comprehensive Plan, primarily to incorporate the 2011 biennial update of the 2011 - 2016 Capital Improvement Program (CIP) into the Capital Facilities Plan (CFP). Pursuant to the GMA, the CIP and CFP/Transportation Element must be consistent.
- Follow-up minor text amendments to reference the updated Shoreline Master Program in the Plan. The new SMP was adopted by Kirkland City Council in August 2010. The SMP sets forth policies in a separate chapter of the Comprehensive Plan now called the Shoreline Area Chapter and shoreline management regulations in a separate Chapter 83 of the Zoning Code for property within the shoreline jurisdiction. The Plan text amendments clarify that only these two documents apply to the properties within 200 feet of the shoreline for use, density, and certain other standards.
- Rezone of a parcel that has been part of Watershed Park since the 1920's, from Low Density Residential land use, RS 12.5 zoning to Park/Open Space, Public Use zoning to correct a mapping error. Various base maps in the Central Houghton Neighborhood Plan will also be changed to reflect the rezone.

Memo to HCC
January 12, 2012
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HCC reviewed the 2011 CPA's on October 24, 2011 at a study session. A joint public hearing with the Planning Commission was held on November 17. The HCC was in agreement with the proposed amendments, and the City Council concurred.

Attachments:

1. List of amendments
2. Ordinance 4336
3. Resolution approving Ordinance 4336

Cc: File No. ZON11-00001

Amendments with an asterisk (*) are within the Houghton Community Council's disapproval jurisdiction.

1. *Incorporation of the 2011-2016 CIP into the CFP and Transportation Element

All Capital Facilities Plan (CFP) and Transportation Element tables and figures listed below (i.e. the 2022 transportation project list and six-year CFP tables for transportation, surface water, utilities, fire and building and parks tables), replace the 2010 versions. If there are any modifications between the attached versions and adoption, they will be integrated into the CPA ordinance. These are incorporated into the Comprehensive Plan's Transportation Element and Capital Facilities Plan to be consistent with any changes to the Capital Improvement Plan. The CFP is the policy basis for the CIP and is tied to our level of service standards. It shows funded projects and consists of capacity-related projects. The CIP and the CFP must be consistent.

Table T-2: Maximum Allowed Subarea Average V/C Ratio for System Intersections and Individual Intersection LOS

Table T-5: Project Descriptions for the 2022 Transportation Project List

Figure T-6: Transportation Project List

Table CF-8 Capital Facilities Plan: Transportation Projects

Table CF-8A Capital Facilities Plan: Transportation Projects

Table CF-9 2022 Transportation Project List

Table CF-10 2022 Concurrency Transportation Projects List

Table CF-10A Capital Facilities Plan: Utility Projects

Table CF-10B Capital Facilities Plan: Surface Water Utility Projects

Table CF-11 Capital Facilities Plan: Parks Projects

Table CF-12 Capital Facilities Plan: Fire and Building Projects

2. Rezones

a. Proposed Rezone of Open Space Property near Forbes Lake

The City is initiating a rezone of the 2.5 acre open space property near Forbes Lake. It was purchased by the City in 2010 from the Beach Family Trust as part of the City's Park and Open Space Acquisition project. The proposed rezone from PLA 17A (Office zone) to P (Public Use zone) is necessary to bring the zoning of this park/open space into consistency with its Park/Open Space land use.

Besides the Zoning Map, city wide Land Use Map, and Parks Map, various North Rose Hill Neighborhood base maps will need revisions as a result of this rezone (e.g. land use map, park open space map, sensitive area map, and seismic and land slide hazard map).

b. *Proposed Rezone correction at Watershed Park.

During the Central Houghton Neighborhood Plan update, staff discovered that a parcel adjoining Watershed Park is not owned by the adjoining multifamily development, but

instead is owned by the City. Assessor information and the title report confirm that this 2.15 acre parcel is owned by the city and shows that it was purchased in 1926. A correction to the Zoning Map is necessary to bring the zoning into consistency with the ownership and intended use of the subject property. The proposed rezone will change the zoning and land use designation from RS 12.5, Low Density Residential to Public Use (P), Park Open Space. The rezone is being combined with the other city initiated rezones because it was discovered after the public hearing on the Central Houghton Neighborhood Plan update.

Besides the Zoning Map, city wide Land Use Map and Parks Map, various Central Houghton Neighborhood base maps will need revising as a result of this rezone (e.g. land use map, park open space map, sensitive area map, and seismic and land slide hazard map).

c. Proposed Rezone Correction of a portion of Inglenook Court Apartment's in Finn Hill - Attachment 3.

When the annexation maps were prepared for the JFK annexation, an error occurred with the zoning of a portion of the Inglenook Court Apartments property (14206 73rd Ave NE) adjoining the north boundary of the Finn Hill Commercial district. The zoning was incorrectly mapped as Neighborhood Business (BNA), a commercial zone. The proposed rezone would correct the error and change the zoning to RMA 1.8 and its land use designation to multifamily 19-24 dwelling units per acre to match the rest of the complex. Besides the Zoning Map, the city wide Land Use Map will be revised to reflect this rezone.

d. Proposed Rezone of Finn Hill Cascade Land Conservancy Property

The intention of Forterra (formerly the Cascade Land Conservancy), owner of the 6.6 acre Denny Creek MacDonald Memorial Preserve, is to preserve and protect wildlife habitat and the Lake Washington watershed, while allowing enjoyment of the trail system which connects to neighboring Big Finn Hill Park, O.O. Denny Park, and St. Edwards Park. A public access trail to the site starts at the south end of 72nd Ave NE near NE 126th ST. The trail runs down an unopened right of way easement. Another trail head is located in OO Denny Park. The existing residential zoning does not reflect the intended use of the property. The proposal would change the land use and zoning from the Low Density Residential land use and RSA 4 zoning, to Park Open Space land use and Public Use zoning (P).

Besides the Zoning Map, the city wide Land Use Map and Kirkland Park Map will be revised to reflect the change.

e. Proposed Rezone of Public Greenbelts in the Juanita/Finn Hill/Kingsgate (JFK) Annexation Area.

Of the approximately 125 parcels located in the JFK annexation area that were transferred to the City of Kirkland from King County, the Parks Department has indentified 8 as public greenbelts that have the characteristics of and serve the function

of park /open space. (Two parcels were pulled from the original rezone list after the joint public hearing, because the Parks Department was notified that the affected parcels were actually owned either by King County or private property owners within a plat, not Kirkland, and should not have been transferred to the City.) The other eight parcels will be maintained by the Parks Department. The City proposes to rezone them from their existing Low Density Residential land use designation, Single Family Residential zoning classifications, to Park/ Open Space land use, and Public Use zoning. The City has historically zoned these publicly owned greenbelts as Public Use Zones (P). The Zoning Map, the city wide Land Use Map as well as the Kirkland Parks Map will be revised to reflect these rezones. The remaining parcels serve storm water functions and will be maintained by the Public Works Department. These will remain zoned the same as the surrounding parcels.

3. * Housekeeping Amendments

Several amendments to the Plan are considered minor or housekeeping measures:

- a. The first is designating the Kirkland Women’s Club a City of Kirkland Landmark. This will reflect the recent decision by the King County Landmarks Commission (which includes a member from the City of Kirkland appointed by City Council). In addition to its being listed on the National and State Registers of Historic Places, it will also be listed as a Kirkland Landmark. The decision followed the process outlined in KMC Title 28 and no further City action is required. This change will be noted in Table CC-1 Designated Historic Buildings, Structures, Sites and Objects List A in the Community Character Element.
- b. * Another is to go through the Plan to find remaining inconsistencies between it and the updated Shoreline Master Program regulations and policies. Since 2010 when the updated SMP was adopted, shoreline policies have been located in a new Shoreline Area Chapter of the Comprehensive Plan and the Shoreline management regulations have been located in a new chapter of the Zoning Code KZC section 83. The proposed amendments revise text to refer to these policies and regulations in three neighborhoods within the shoreline jurisdiction (Juanita, Market and Moss Bay). The Plan now refers the user to these policies and regulations for guidance on density, since land within shoreline jurisdiction is governed by the SMP. Several general elements are also affected: the Introduction, Natural Environment, and Implementation Strategies Elements. These amendments intend to eliminate redundancy and confusion about where policies and development standards affecting property in the shoreline jurisdiction are located.
- c. *Functional Element map amendments are completed every year to reflect changed conditions on the ground. The following functional maps will replace the 2010 versions. They reflect modifications since the 2010 update of the Plan. An explanation of the change follows each listing. Most if not all are updated to show the new city limits including the Wild Glen Annexation, (located in the North Juanita neighborhood), which was effective on June 1, 2011.

Introduction

Figure I-1 Kirkland and Surrounding Area (Updated city limits)

North South Juanita Neighborhood Plan

Figure J-1a Juanita Sensitive Areas (Updated parks)

Figure J-1b Juanita Landslide and Seismic hazard Areas (Updated parks)

Figure J-2a North Juanita Land Use (Updated land use, parks)

Figure J-2a South Juanita Land Use (Updated land use, parks)

Figure J-3 Juanita Parks and open Space (Updated parks)

Land Use Element

Figure LU-1 Comprehensive Land Use Map (Rezoned and parks)

Figure LU-2 Commercial Areas (Updated city limits)

Natural Environment Element

Figure NE-1: Sensitive Areas (Updated city limits)

Figure NE-2: Landslide and Seismic Hazard Areas (Updated city limits)

Figure NE-3: Topography (Updated city limits)

Figure NE-4: Tree Canopy (Updated city limits)

Parks, Recreation and Open Space

Figure PR-1 Kirkland Parks (Updated parks)

Public Services

Figure PS-1: Fire Response Times within 5.5 minutes (Updated city limits)

Figure PS-2: Emergency Medical Services Response Times within 5.5 minutes (Updated city limits)

Figure PS-2: Public School Facilities (Updated city limits)

Transportation

Figure T-1 Street Classification and State Routes (NE 120th St. - new street in Totem Lake, between Slater Ave and 124th Avenue NE)

Figure T-4 Transit Service (Updated route numbers)

Figure T-5 Transportation Subareas (Updated city limits)

Figure T-6 Transportation Project List Funded /Unfunded (Updated city limits)

Figure T-7 Signalized Intersections (Updated parks)

Utilities

Figure U-1 Water System (Updated regional system and parks)

Figure U-2 Sanitary Sewer System (Updated regional system and parks)

Figure U-3 Surface Water Management System (Updated surface water mains and parks)

Figure U-4 Northshore Water System (Updated regional system)

Figure U-5 Northshore Sewer System (Updated regional system)

ORDINANCE O-4336

AN ORDINANCE OF THE CITY OF KIRKLAND RELATING TO COMPREHENSIVE PLANNING AND LAND USE AND AMENDING THE COMPREHENSIVE PLAN, ORDINANCE 3481 AS AMENDED, AND AMENDING ORDINANCE 3710 AS AMENDED, THE KIRKLAND ZONING MAP, AS REQUIRED BY RCW 36.70A.130 TO ENSURE CONTINUED COMPLIANCE WITH THE GROWTH MANAGEMENT ACT AND APPROVING A SUMMARY FOR PUBLICATION, FILE NO. ZON11-00001.

WHEREAS, the Growth Management Act (GMA), specifically RCW 36.70A.130, mandates that the City of Kirkland review, and if needed, revise its Comprehensive Plan and its official Zoning Map; and

WHEREAS, the City Council has received recommendations from the Kirkland Planning Commission and the Houghton Community Council to amend certain portions of the Comprehensive Plan for the City, Ordinance 3481 as amended, and the Zoning Map, Ordinance 3710 as amended, all as set forth in that certain reports and recommendations of the Planning Commission and the Houghton Community Council dated November 30, 2011, and bearing Kirkland Department of Planning and Community Development File No. ZON11-00001; and

WHEREAS, prior to making said recommendation the Planning Commission and Houghton Community Council, following notice thereof as required by RCW 35A.63.070, held on November 17, 2011, a joint public hearing, on the amendment proposals and considered the comments received at said hearing; and

WHEREAS, pursuant to the State Environmental Policy Act (SEPA), there has accompanied the legislative proposal and recommendation through the entire consideration process, a SEPA Addendum to Existing Environmental Documents issued by the responsible official pursuant to WAC 197-11-600; and

WHEREAS, in regular public meeting the City Council considered the environmental documents received from the responsible official, together with the reports and recommendations of the Planning Commission and the Houghton Community Council; and

WHEREAS, RCW 36.70A.130, requires the City to review all amendments to the Comprehensive Plan concurrently and no more frequently than once every year;

NOW, THEREFORE, the City Council of the City of Kirkland do ordain as follows:

Section 1. Comprehensive Plan Text, Figures and Tables, and Zoning Map amended: The Comprehensive Plan, Ordinance 3481

as amended, and Zoning Map, Ordinance 3710, as amended, are hereby amended as set forth in Exhibit A attached hereto and by this reference incorporated herein as though fully set forth.

Section 2. The Director of the Department of Planning and Community Development is hereby directed to amend the official Kirkland zoning map to conform with this Ordinance, indicating thereon the date of ordinance adoption.

Section 3. If any section, subsection, sentence, clause, phrase, part or portion of this Ordinance, including those parts adopted by reference, is for any reason held to be invalid or unconstitutional by any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this ordinance.

Section 4. To the extent that the subject matter of this ordinance is subject to the disapproval jurisdiction of the Houghton Community Council as created by Ordinance 2001, the ordinance shall become effective within the Houghton community either upon approval of the Houghton Community Council, or upon failure of said community council to disapprove this ordinance within 60 days of its passage.

Section 5. Except as provided in Section 4, this Ordinance shall be in full force and effect five days from and after its passage by the City Council and publication pursuant to Kirkland Municipal Code 1.08.017, in the summary form attached to the original of this Ordinance and by this reference approved by the City Council as required by law.

Section 6. A complete copy of this Ordinance shall be certified by the City Clerk, who shall then forward the certified copy to the King County Department of Assessments.

Passed by majority vote of the Kirkland City Council in open meeting this 12th day of December, 2011.

Signed in authentication thereof this 12th day of December, 2011.



 Mayor

Attest:



 City Clerk

Approved as to Form:

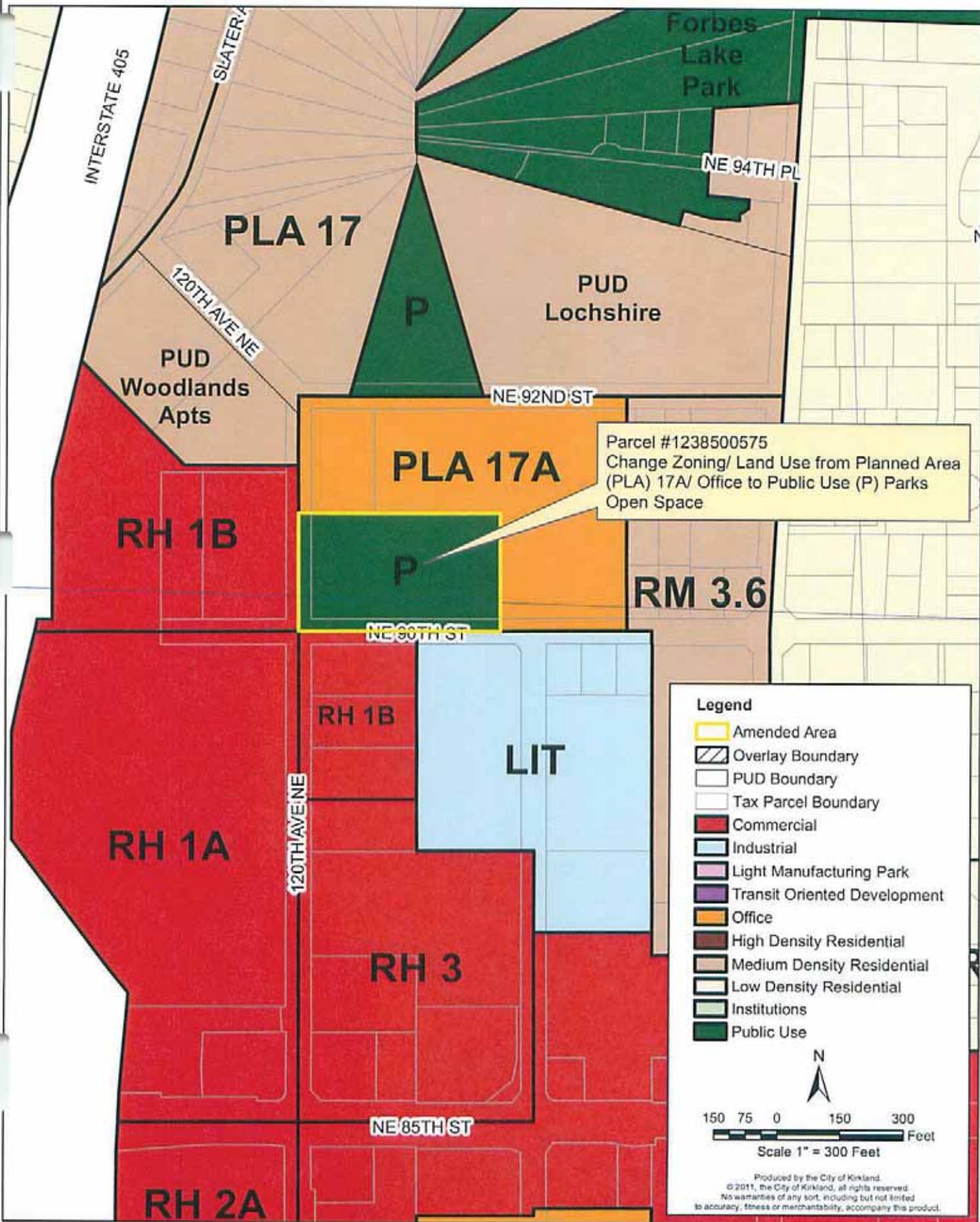


 City Attorney

Beach Rezone

O-4336 Exhibit A

Parcel #1238500575



Legend

- Amended Area
- Overlay Boundary
- PUD Boundary
- Tax Parcel Boundary
- Commercial
- Industrial
- Light Manufacturing Park
- Transit Oriented Development
- Office
- High Density Residential
- Medium Density Residential
- Low Density Residential
- Institutions
- Public Use

N

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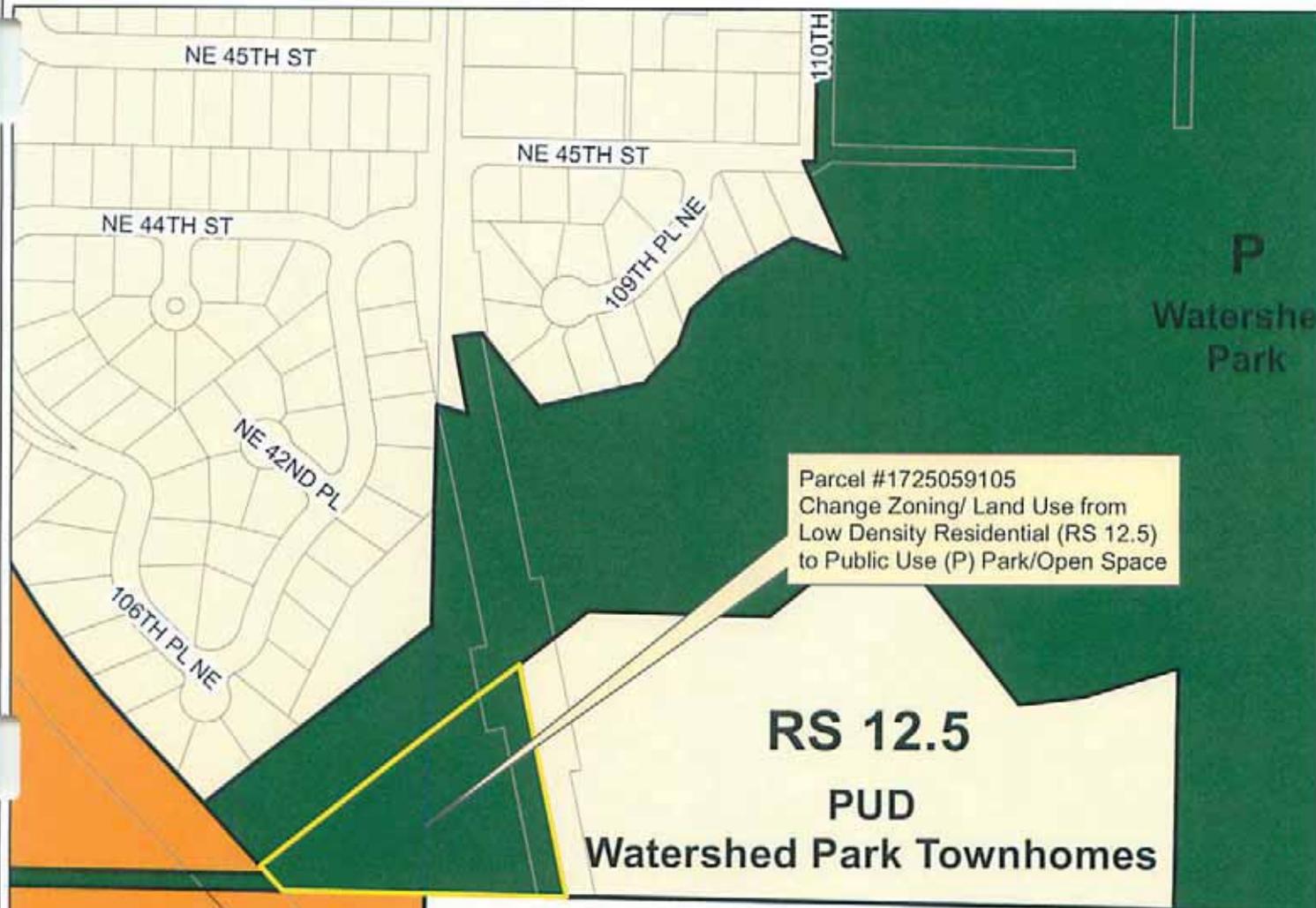
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Watershed Park Rezone Correction

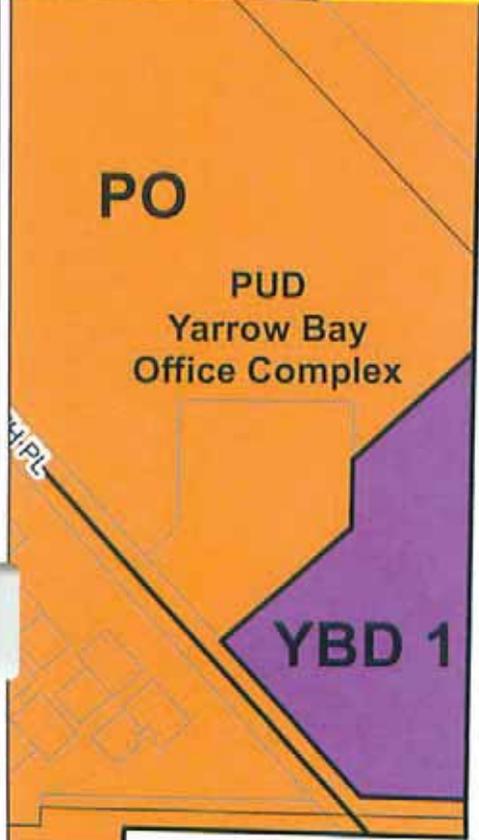
O-4336 Exhibit A

Parcel #1725059105



Parcel #1725059105
 Change Zoning/ Land Use from
 Low Density Residential (RS 12.5)
 to Public Use (P) Park/Open Space

RS 12.5
PUD
Watershed Park Townhomes



Legend

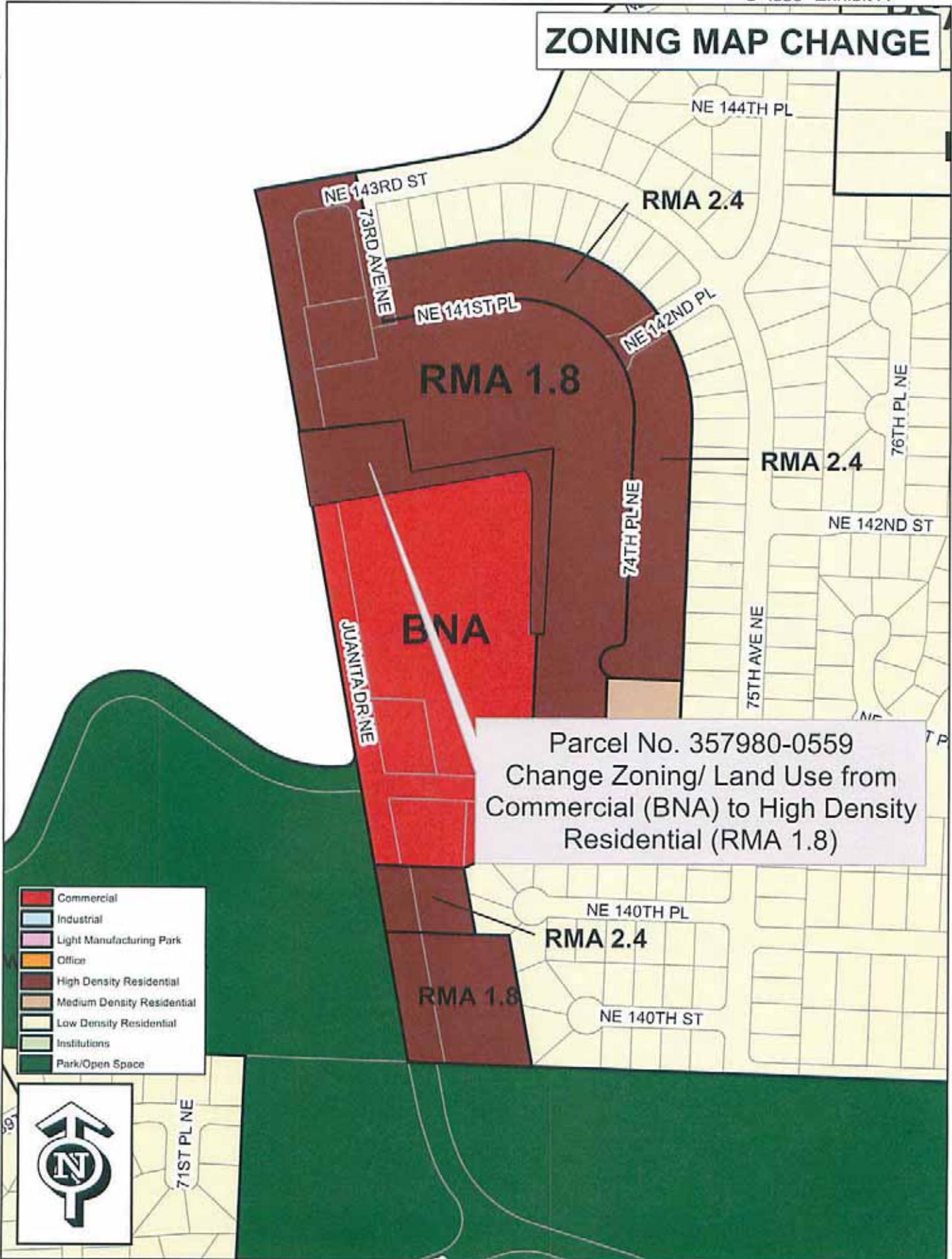
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- Industrial
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ZONING MAP CHANGE



ZONING MAP CHANGE

RSA 4

HOLIDAY DR

NE 129TH ST

71ST AVE NE

72ND AVE NE

68TH AVE NE

NE 126TH ST

P

Big Finn Hill Park

Parcel No. 405570-0940
 Change Zoning/ Land Use from
 Low Density Residential (RSA 4)
 to Public Use (P) Parks Open Space

-  Commercial
-  Industrial
-  Light Manufacturing Park
-  Office
-  High Density Residential
-  Medium Density Residential
-  Low Density Residential
-  Institutions
-  Park/Open Space



ny Park

NE 12

NE 121ST PL

NE 121

NE 120

D AVE NE

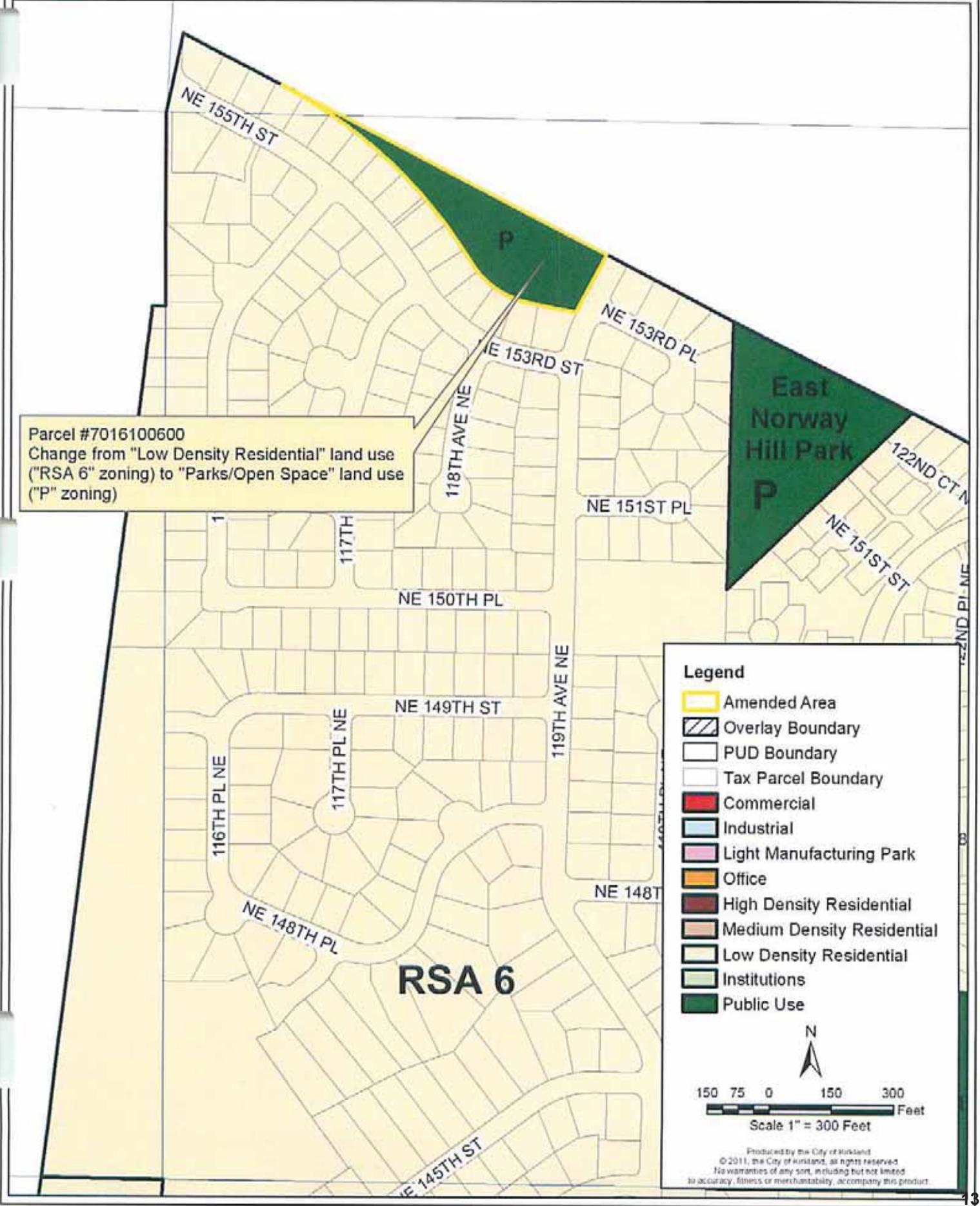
RSA 4

Land Use/Zoning Map Change - #41

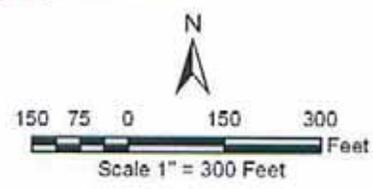
O-4336 Exhibit A

Parcels #7016100600

Parcel #7016100600
 Change from "Low Density Residential" land use ("RSA 6" zoning) to "Parks/Open Space" land use ("P" zoning)



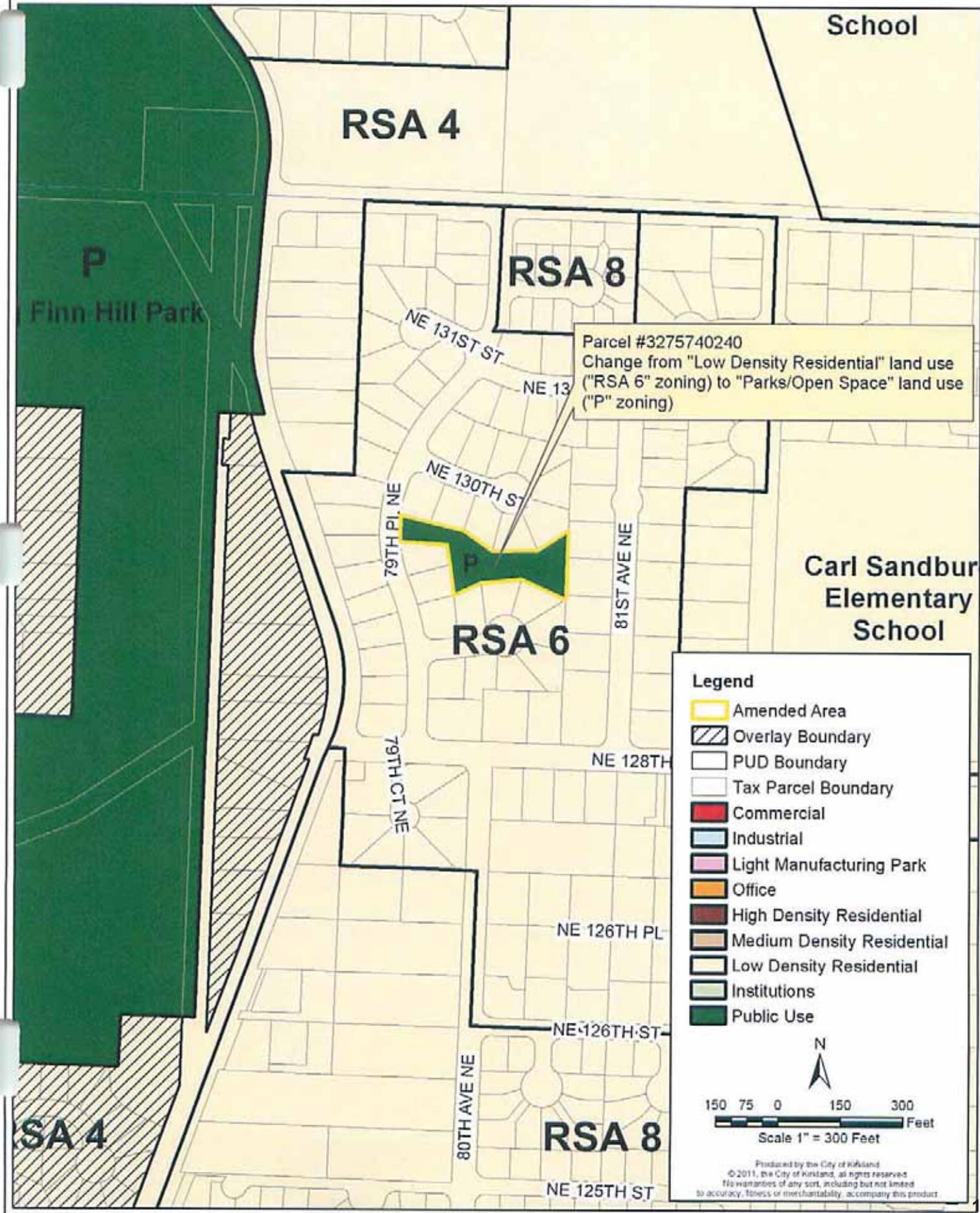
- Legend**
- Amended Area
 - Overlay Boundary
 - PUD Boundary
 - Tax Parcel Boundary
 - Commercial
 - Industrial
 - Light Manufacturing Park
 - Office
 - High Density Residential
 - Medium Density Residential
 - Low Density Residential
 - Institutions
 - Public Use



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Land Use/Zoning Map Change - #66^{O-4336} Exhibit A

Parcel #3275740240



Parcel #3275740240
 Change from "Low Density Residential" land use ("RSA 6" zoning) to "Parks/Open Space" land use ("P" zoning)

Legend

- Amended Area
- Overlay Boundary
- PUD Boundary
- Tax Parcel Boundary
- Commercial
- Industrial
- Light Manufacturing Park
- Office
- High Density Residential
- Medium Density Residential
- Low Density Residential
- Institutions
- Public Use

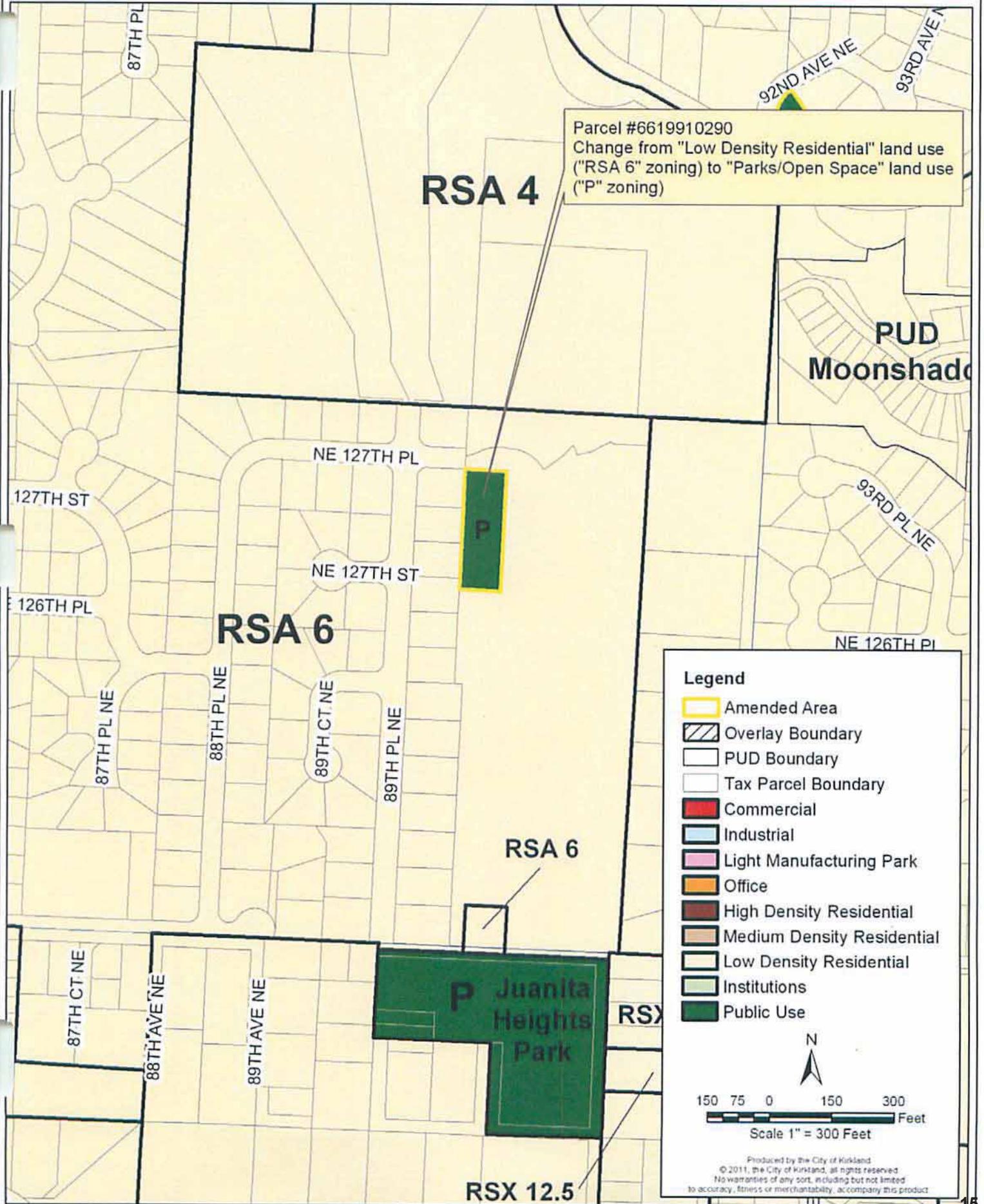
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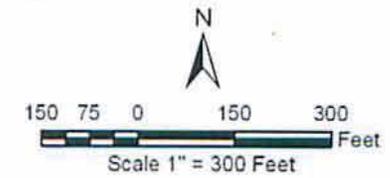
Land Use/Zoning Map Change - #78^{O-4336} Exhibit A

Parcel #6619910290



Parcel #6619910290
 Change from "Low Density Residential" land use ("RSA 6" zoning) to "Parks/Open Space" land use ("P" zoning)

- Legend**
- Amended Area
 - Overlay Boundary
 - PUD Boundary
 - Tax Parcel Boundary
 - Commercial
 - Industrial
 - Light Manufacturing Park
 - Office
 - High Density Residential
 - Medium Density Residential
 - Low Density Residential
 - Institutions
 - Public Use

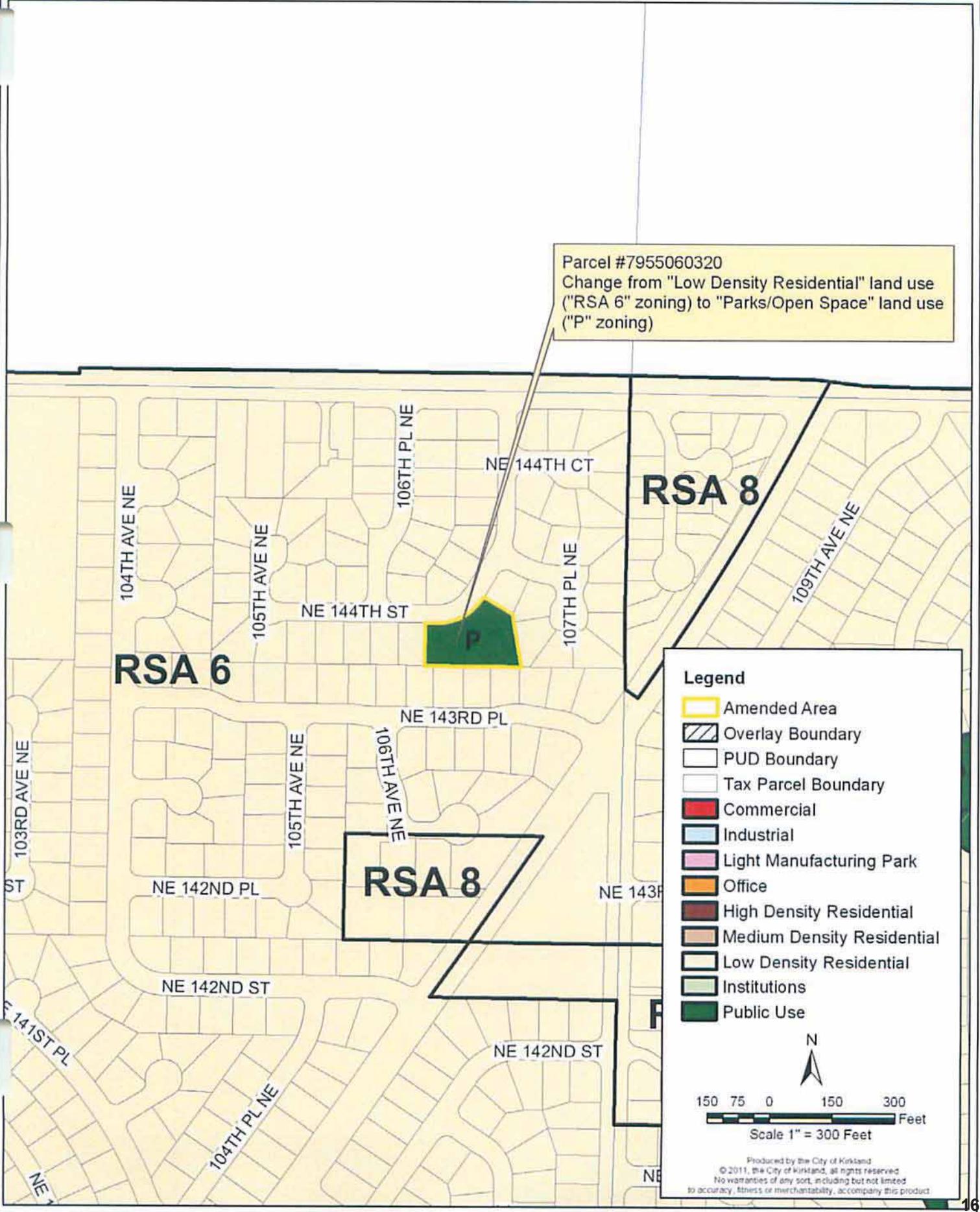


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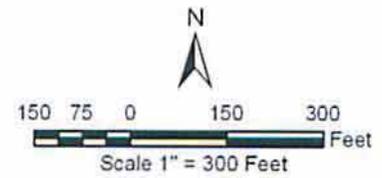
Land Use/Zoning Map Change - #90^{O-4336} Exhibit A

Parcels #7955060320

Parcel #7955060320
Change from "Low Density Residential" land use ("RSA 6" zoning) to "Parks/Open Space" land use ("P" zoning)



- Legend**
- Amended Area
 - Overlay Boundary
 - PUD Boundary
 - Tax Parcel Boundary
 - Commercial
 - Industrial
 - Light Manufacturing Park
 - Office
 - High Density Residential
 - Medium Density Residential
 - Low Density Residential
 - Institutions
 - Public Use

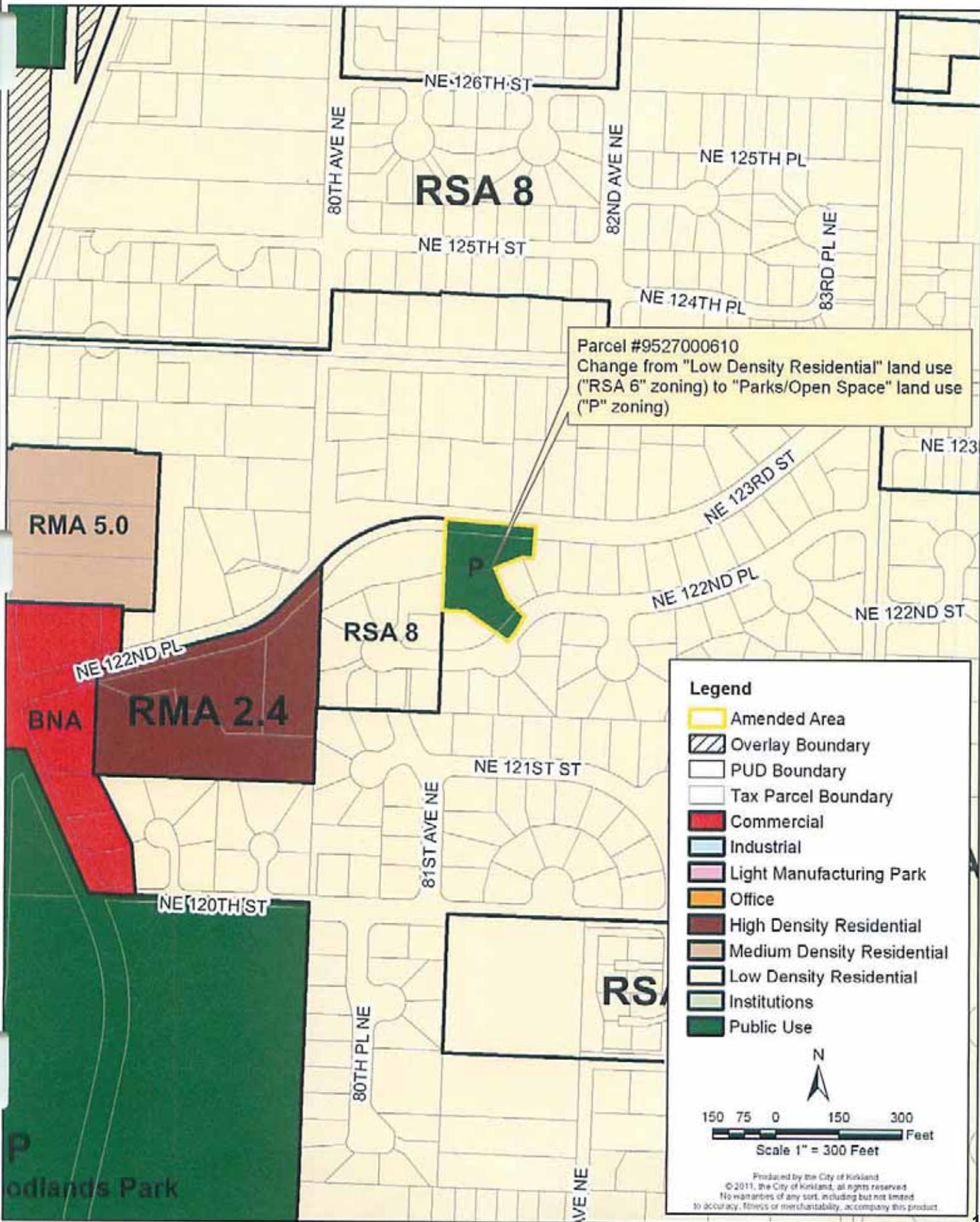


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Land Use/Zoning Map Change - #100

O-4336 Exhibit A

Parcel #9527000610



Parcel #9527000610
 Change from "Low Density Residential" land use ("RSA 6" zoning) to "Parks/Open Space" land use ("P" zoning)

Legend

- Amended Area
- Overlay Boundary
- PUD Boundary
- Tax Parcel Boundary
- Commercial
- Industrial
- Light Manufacturing Park
- Office
- High Density Residential
- Medium Density Residential
- Low Density Residential
- Institutions
- Public Use

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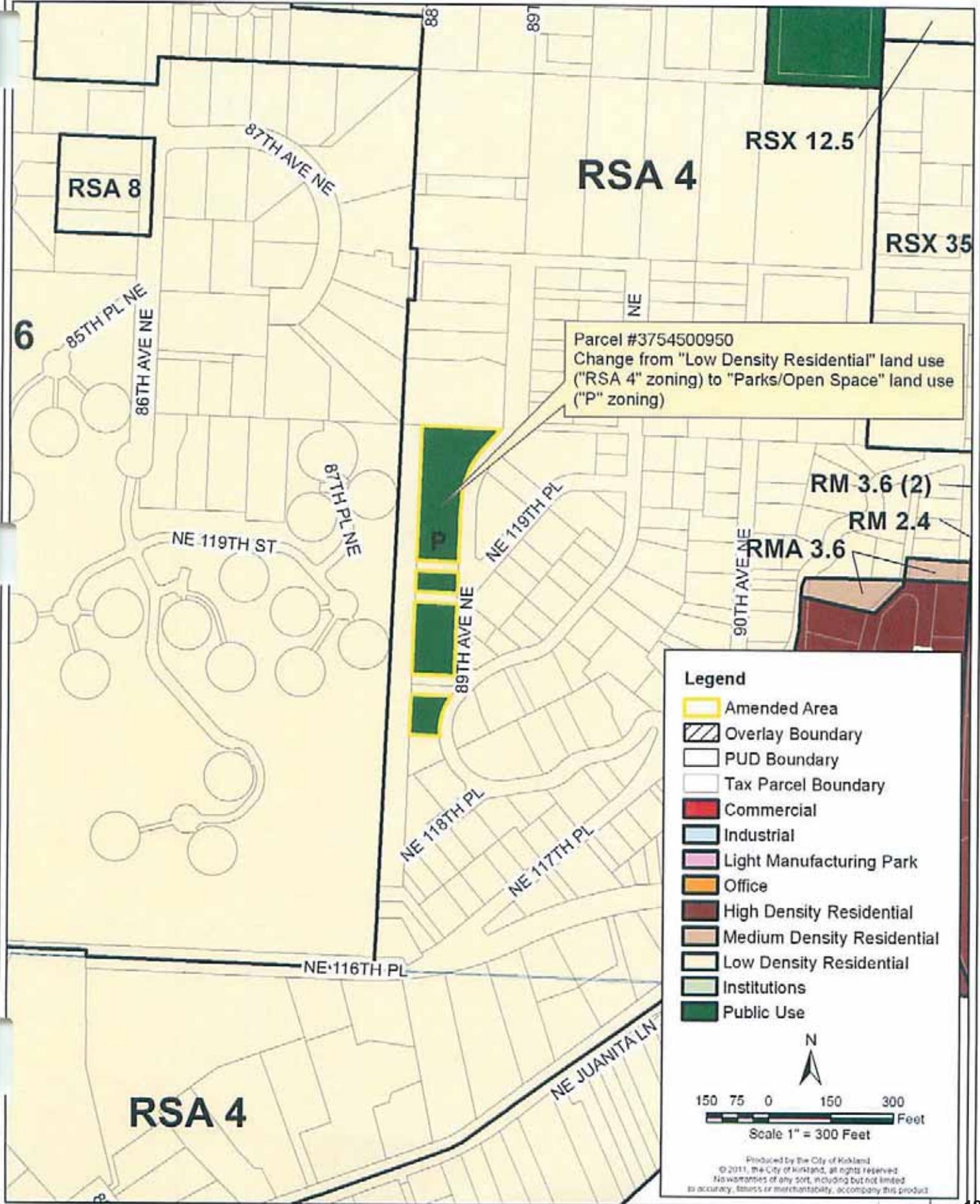
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Land Use/Zoning Map Change - #107

9-4336 Exhibit A

Parcel #3754500950



Parcel #3754500950
 Change from "Low Density Residential" land use ("RSA 4" zoning) to "Parks/Open Space" land use ("P" zoning)

Legend

- Amended Area
- Overlay Boundary
- PUD Boundary
- Tax Parcel Boundary
- Commercial
- Industrial
- Light Manufacturing Park
- Office
- High Density Residential
- Medium Density Residential
- Low Density Residential
- Institutions
- Public Use

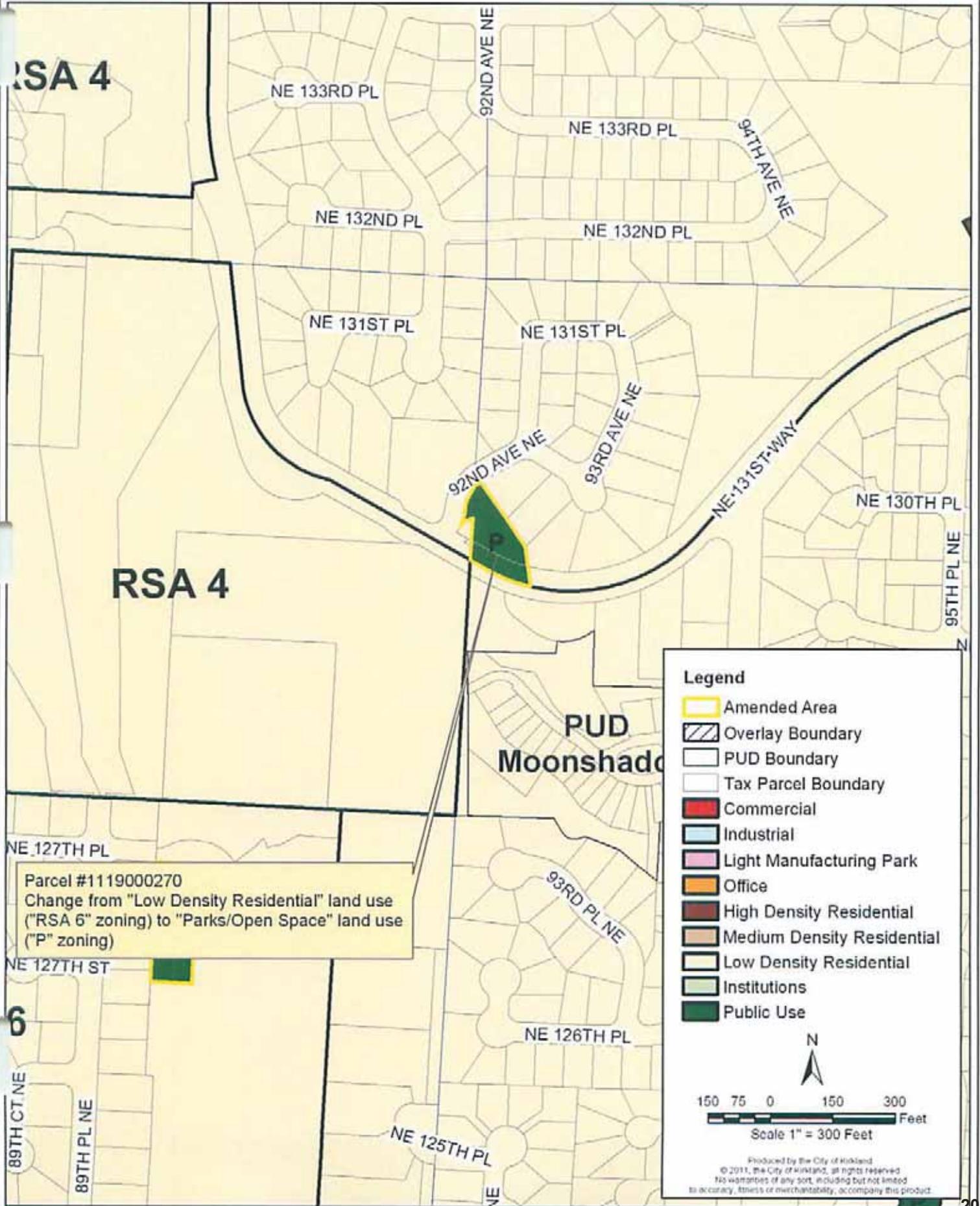
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Land Use/Zoning Map Change - #125

9-4336 Exhibit A

Parcels #1119000270



Parcel #1119000270
 Change from "Low Density Residential" land use
 ("RSA 6" zoning) to "Parks/Open Space" land use
 ("P" zoning)

Legend

- Amended Area
- Overlay Boundary
- PUD Boundary
- Tax Parcel Boundary
- Commercial
- Industrial
- Light Manufacturing Park
- Office
- High Density Residential
- Medium Density Residential
- Low Density Residential
- Institutions
- Public Use

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I. Introduction

What is a Comprehensive Plan?

The Comprehensive Plan establishes a vision, goals and policies, and implementation strategies for managing growth within the City's ~~Planning Area~~ over the next 20 years ~~(see Figure I-2)~~. The Vision Statement in the plan is a reflection of the values of the community – how Kirkland should evolve with changing times. The goals identify more specifically the end result Kirkland is aiming for; policies address how to get there. All regulations pertaining to development (such as the Zoning Code, including shoreline management regulations, and the ~~Subdivision Ordinance, and Shoreline Master Program~~) must be consistent with the Comprehensive Plan. The end result will be a community that has grown along the lines anticipated by the Comprehensive Plan.

How was the plan prepared?

Planning and preparation for the 1995 update began in the fall of 1991 with a Community Growth Forum. At about the same time, the City Council appointed a citizen advisory committee known as the Growth Management Commission (GMC). This group was charged with the mission of recommending to the City Council an updated Comprehensive Plan consistent with the requirements of the Growth Management Act.

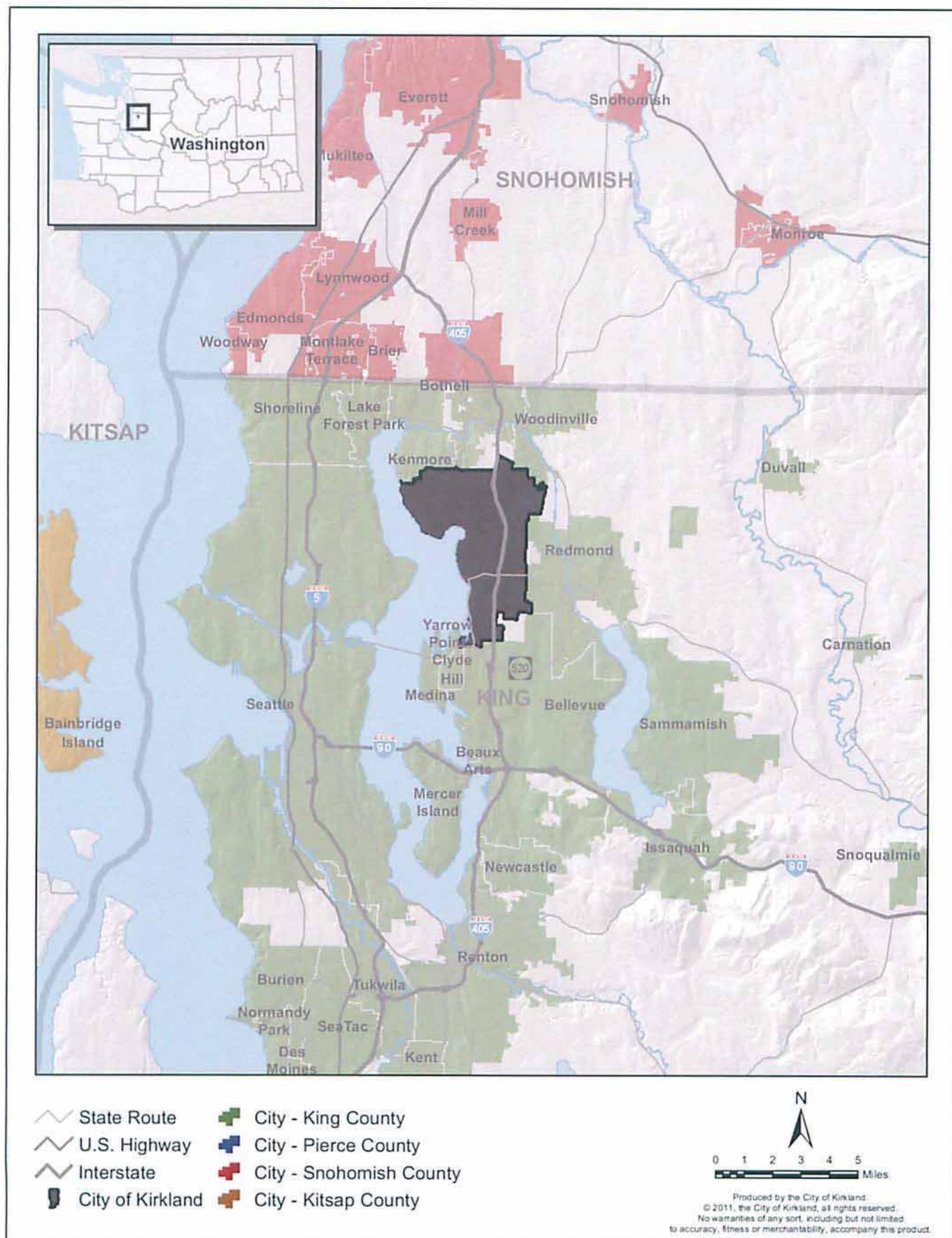


Figure I-1: Kirkland and Surrounding Area

IV. Community Character

Table CC-1

Designated Historic Buildings, Structures, Sites and Objects

List A: Historic Buildings, Structures, Sites and Objects Listed on the National and State Registers of Historic Places and Designated by the City of Kirkland

Building or Site	Address	Architectural Style	Date Built	Person/Event	Neighborhood
Loomis House	304 8th Ave. W.	Queen Anne	1889	KL&IC	Market
Sears Building	701 Market St.	Italianate	1891	Sears, KL&IC	Market
Campbell Building	702 Market St.		1891	Brooks	Market
*Peter Kirk Building	620 Market St.	Romanesque Revival	1891	Kirk, KL&IC	Market
Trueblood House	127 7th Ave.	Italianate	1889	Trueblood	Norkirk
*Kirkland Woman's Club	407 1st St.	Vernacular	1925	Founders 5	Norkirk
¥Marsh Mansion	6610 Lake Wash. Blvd.	French Ecl Revival	1929	Marsh	Lakeview
Kellett/Harris House	526 10th Ave. W.	Queen Anne	1889	Kellett	Market

Footnotes:

- * The City of Kirkland Landmark Commission has formally designated these buildings, structures, sites and objects as Landmarks pursuant to KMC Title 28.
- ¥ The City of Kirkland has formally designated these buildings, structures, sites and objects as Historic Landmarks pursuant to Chapter 75 KZC.

V. Natural Environment

Policy NE-2.6: Regulate development of land along the shoreline of Lake Washington to:

- ◆ ***Preserve natural systems and maintain and improve the ecological functions of the water and shorelines;***
- ◆ ***Avoid natural hazards;***
- ◆ ***Promote visual and physical access to the water;***
- ◆ ***Provide recreational opportunities;***
- ◆ ***Preserve navigation rights; and***
- ◆ ***Minimize the creation of and reduce existing armored shorelines, overwater and in water structures.***

The Lake Washington shoreline plays a vital role in the ecology of our watershed (which includes land that drains into Lake Washington, the Cedar River, and Lake Sammamish). All species of anadromous salmonids in our watershed migrate through and rear in Lake Washington. The decline of salmonid populations in Lake Washington has been linked to the following factors: vegetation modification and removal, shoreline armoring, overwater and in water structures, storm water runoff and introduction of pollutants. Establishing regulations that avoid, minimize and mitigate impacts to the shoreline and restore degraded ecological functions will substantially aid salmon recovery efforts in our watershed.

Kirkland's Shoreline Master Program (SMP) was adopted pursuant to the Washington State Shoreline Management Act of 1971. It designates all parcels within 200 feet of Lake Washington and associated wetlands as shoreline environments. The SMP goals and policies are contained in the Shoreline Area Chapter of the Comprehensive Plan. Detailed shoreline management regulations in the Kirkland Zoning Code implement these policies. Pursuant to Washington State requirements, the 2010 update of the Kirkland Shoreline Master Program reflects current best management practices. The Shoreline Restoration Plan, a component of the SMP, identifies and prioritizes public restoration projects that are in the Parks Capital Improvement Program. In addition, it lists other public actions and programs and private restoration projects that should be undertaken over a 20-year period.

0-4336

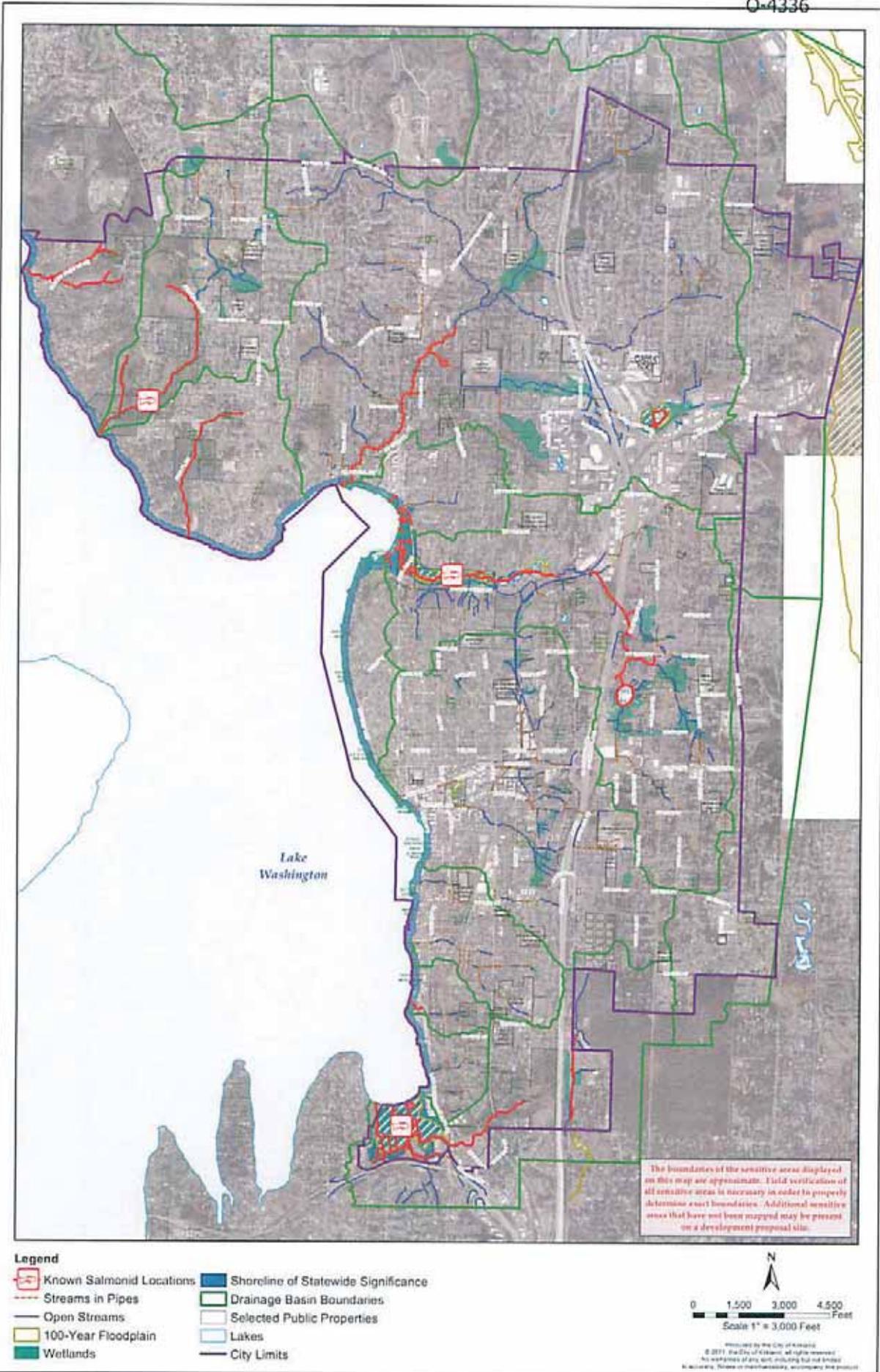


Figure NE-1: Sensitive Areas

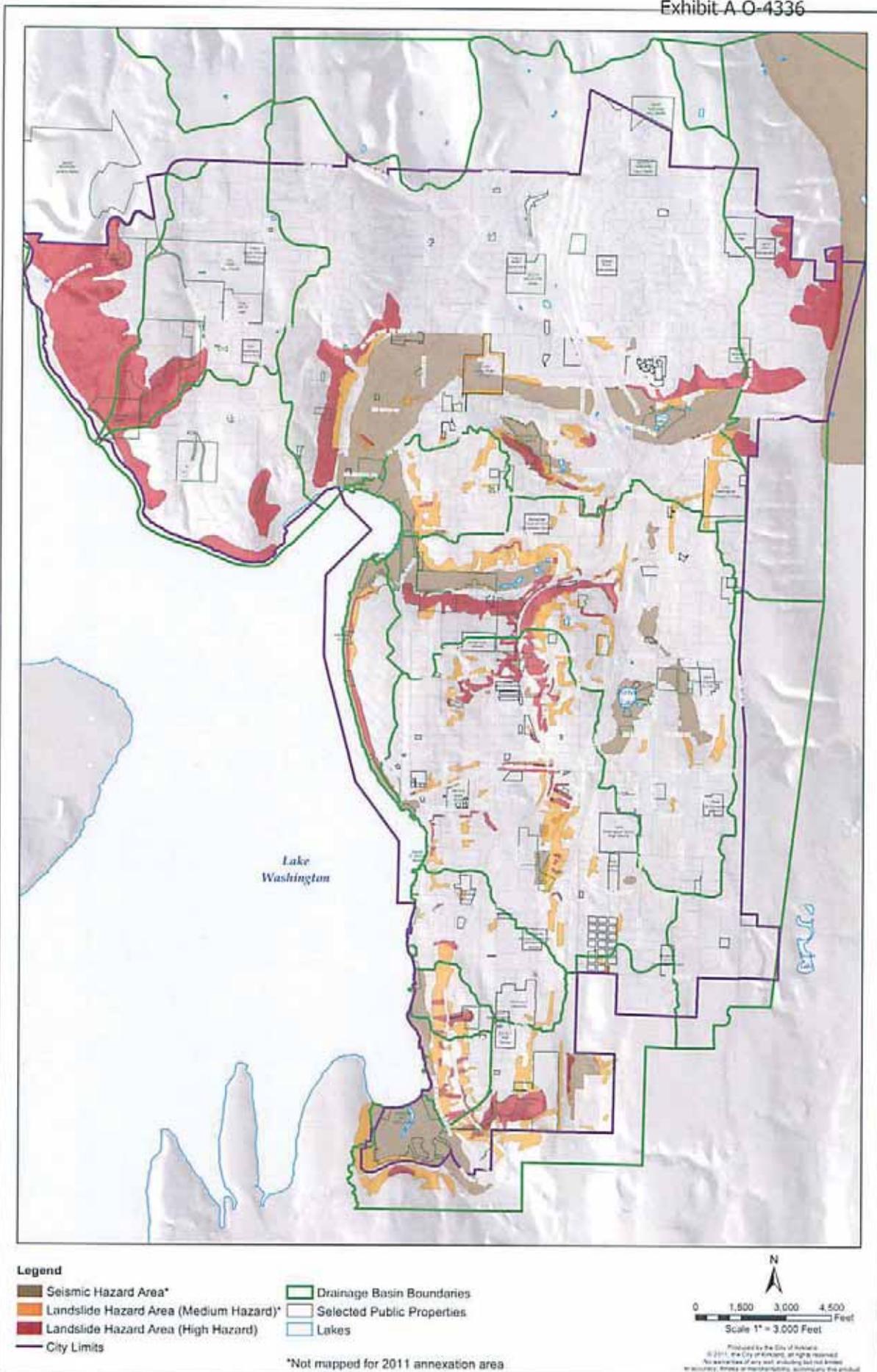


Figure NE-2: Landslide and Seismic Hazard Areas

EXHIBIT A

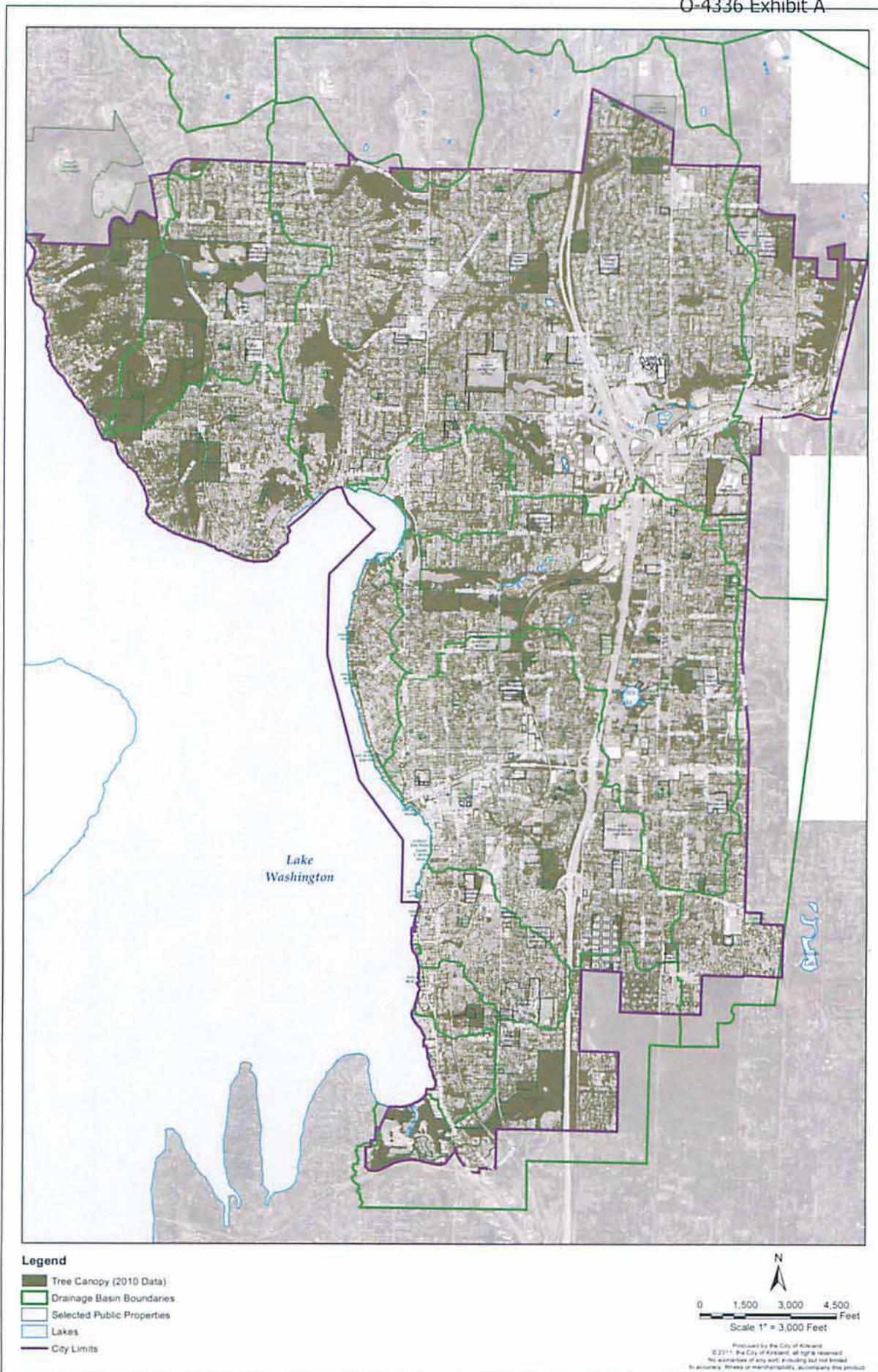
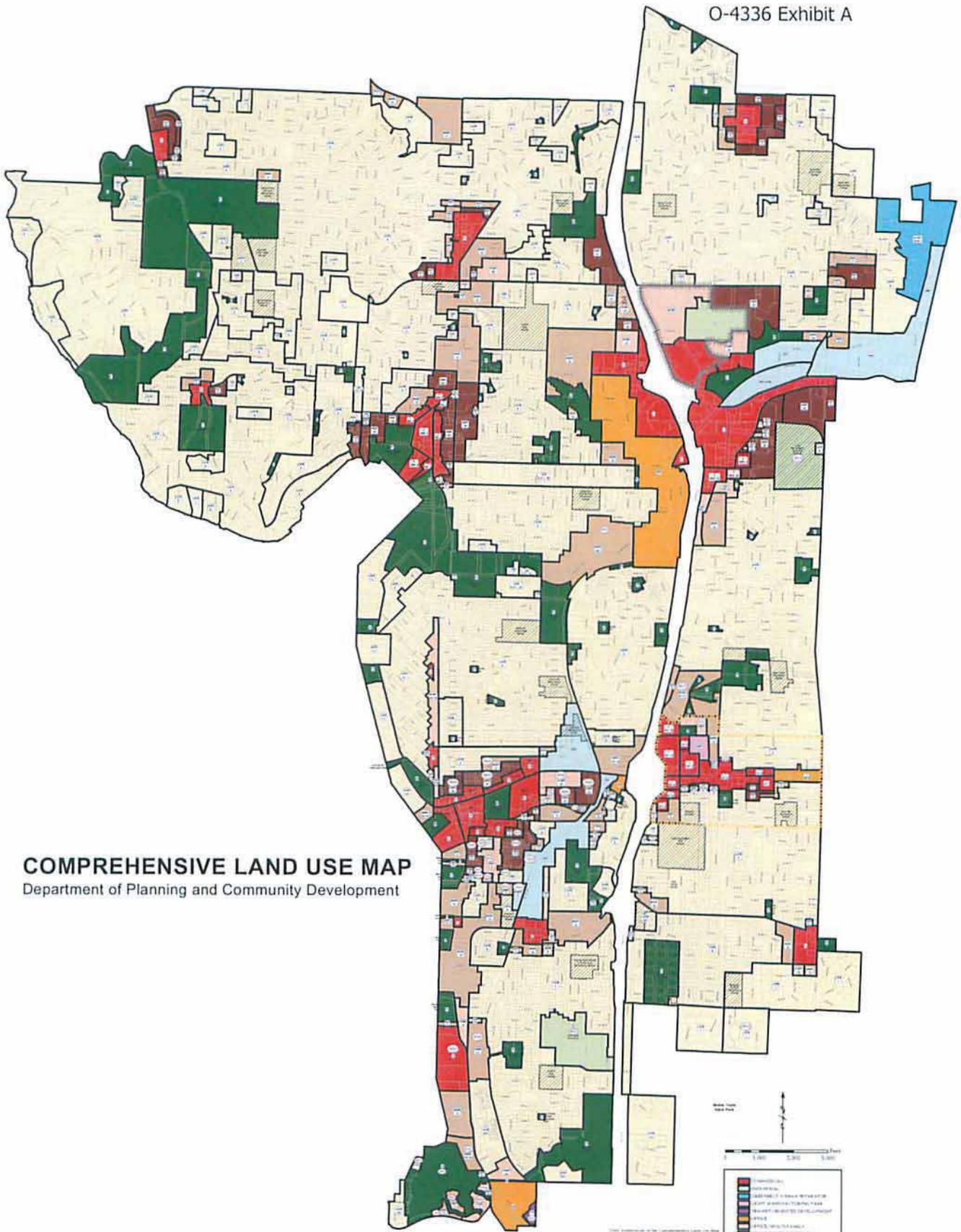


Exhibit A

Figure NE-4: Tree Canopy



COMPREHENSIVE LAND USE MAP
 Department of Planning and Community Development

LAND USE CODES

RES-1	Single-Family Residential
RES-2	Medium-Density Residential
RES-3	High-Density Residential
RES-4	Office/Professional
RES-5	Office/Professional
RES-6	Office/Professional
RES-7	Office/Professional
RES-8	Office/Professional
RES-9	Office/Professional
RES-10	Office/Professional
RES-11	Office/Professional
RES-12	Office/Professional
RES-13	Office/Professional
RES-14	Office/Professional
RES-15	Office/Professional
RES-16	Office/Professional
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RES-97	Office/Professional
RES-98	Office/Professional
RES-99	Office/Professional
RES-100	Office/Professional

LU-1 Comprehensive Land Use Map

Exhibit A

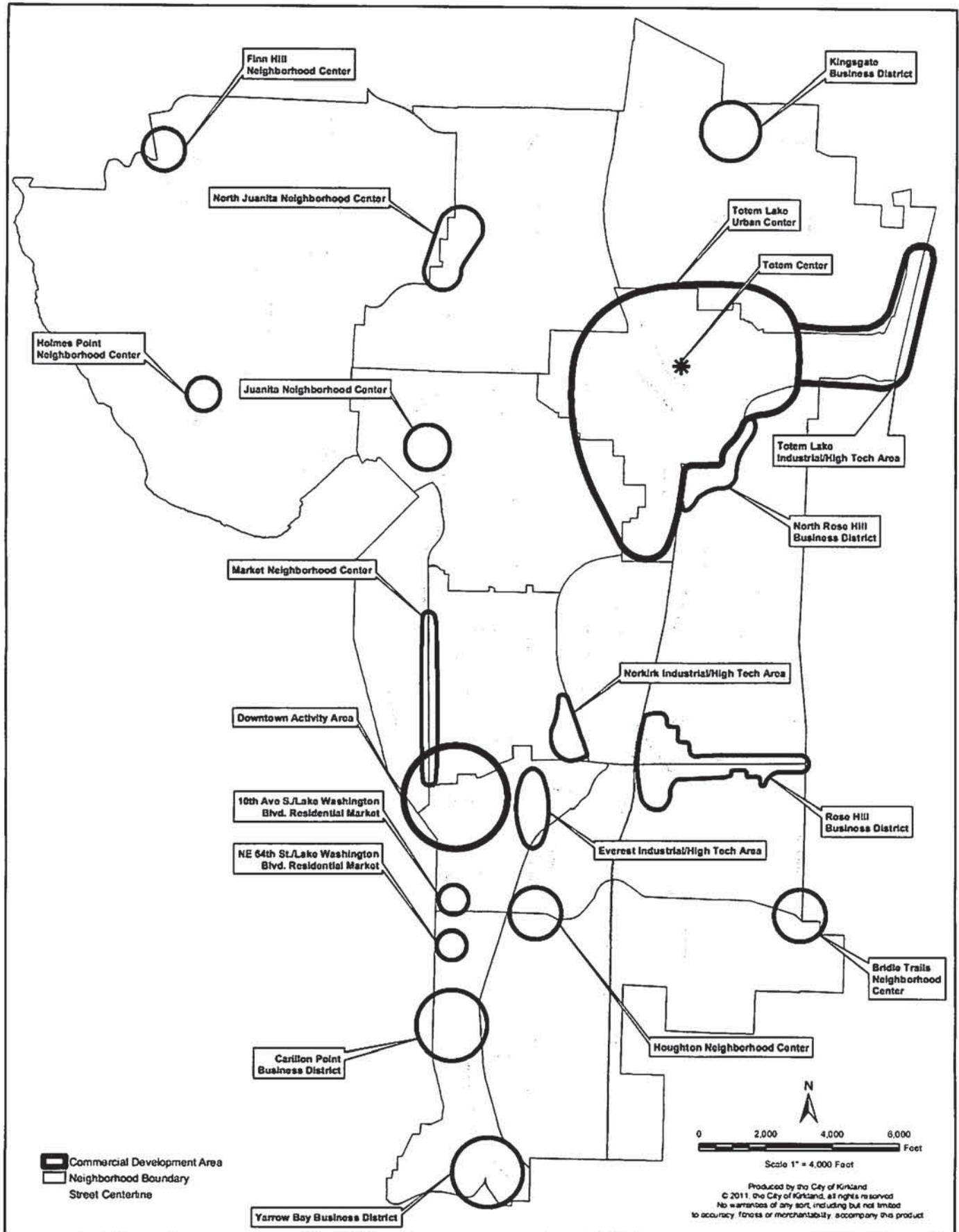


Figure LU-2: Commercial Areas

IX. Transportation Element

Table T-2

Maximum Allowed Subarea Average V/C Ratio for System Intersections and Individual Intersection LOS

Use as Maximum Allowed Average V/C after January 1st ⇨	2011	2012	2013	2014	2015	2016	<u>2017</u>
Forecast for Year ⇨	2016	2017	2018	2019	2020	2021	<u>2022</u>
Subarea	Average V/C Ratio						
Southwest	0.90	0.90	0.91	0.91	0.91	0.91	<u>0.91</u>
Northwest	0.93	0.94	0.95	0.95	0.96	0.97	<u>0.97</u>
Northeast	0.91	0.92	0.93	0.93	0.94	0.95	<u>0.95</u>
East	1.06	1.07	1.07	1.07	1.08	1.08	<u>1.08</u>
<u>North*</u>	<u>In the North subarea, no subarea LOS has been established. Appropriate standards will be established upon completion of an updated land use plan as part of the Comprehensive plan update.</u>						
Maximum allowed individual system intersection V/C ratio	1.40	1.40	1.40	1.40	1.40	1.40	<u>1.40</u>

Table T-5

Project Descriptions for the 2022 Transportation Project List (Funded – Unfunded)

Non-motorized Improvements

- NM20-1** Sidewalk
Location: NE 100th Street from 116th Avenue NE to approximately 114th Avenue NE
Description: Installation of curb, gutter, sidewalk and storm drainage along the north side. Partially funded CIP project NM 0034-001; grant funding secured with schedule for completion scheduled for 2012, is dependent on grant funding.
- NM20-2** Non-motorized Facilities
Location: 116th Avenue NE (south section) (NE 60th Street to south City limits)
Description: Widen road to provide a paved five-foot bicycle lane north and southbound. Install pedestrian/equestrian trail along the east side of road. This trail will be separated from the roadway where possible. Partially funded CIP project NM 0001; schedule completion is dependent on grant funding.
- NM20-3** Sidewalk
Location: 13th Avenue, Van Aalst Park to 3rd Street
Description: Install sidewalk and planter strip along the south side of 13th Avenue. Candidate CIP project NM 0054, included as a part of annual non-motorized program NM 8888.
- NM20-4** Pedestrian/Bicycle Facility
Location: 18th Avenue at Crestwoods Park/NE 100th Street, from 6th Street to 111th Avenue NE across BNR right-of-way
Description: Installation of paved path and overpass along the described corridor. Unfunded CIP project NM 0031.
- NM20-5** Sidewalk
Location: 93rd Avenue NE from Juanita Drive to NE 124th Street
Description: Installation of curb, gutter, sidewalk and planter strip along the east side. Candidate CIP project NM 0032, included as a part of annual non-motorized program NM 8888.
- NM20-6** Sidewalk
Location: NE 52nd Street between approximately Lake Washington Boulevard and 108th Avenue NE

Description: Install curb, gutter and sidewalk along the north side of the street. Improve storm drainage along project alignment. Unfunded CIP project NM 0007.

NM20-7 Non-motorized Facilities

Location: ~~Eastside Rail Corridor Burlington Northern Santa Fe Railroad~~ right-of-way, between south and north City limits (AKA "Cross Kirkland Trail")

Description: 10- to 12-foot-wide two-way bike/pedestrian multi-purpose asphalt trail. Unfunded CIP project NM 0024.

NM20-8 Sidewalk

Location: 122nd Avenue NE, between NE 70th Street and NE 75th Street

Description: Install curb, gutter and sidewalk along the east side between NE 70th Street and NE 75th Street, and along the west side between NE 75th Street and NE 80th Street. Candidate CIP project NM 0055; included as a part of annual non-motorized program NM 8888.

NM20-9 Sidewalk - Walk Route Enhancements

Location: 104th Ave NE/NE 68th St (Lakeview School Walk Route)

Description: Install approximately 355 lineal feet of curb, gutter, sidewalk and planter strip along north side of NE 67th Street and west side of 104th Ave NE. Upgrade ADA ramps at NE 67th Street/103rd Ave NE, NE 68th Street/104th Ave NE and mid-block crosswalk on NE 68th Street at Lakeview Elementary. Install RRFB pedestrian activated lighted crosswalk at mid-block crosswalk. The project will complete critical non-motorized facilities to safely get students to and from Lakeview Elementary School; a 2010 Safe Routes to School Grant has been received; project NM 0068 has been moved to funded for 2012~~Application has been submitted for this project. Unfunded CIP project NM 0068.~~

NM20-10 Bike Lane

Location: NE 100th Street, Slater Avenue NE to 132nd Avenue NE

Description: Provide markings, minor widening and other improvements to create a bicycle connection from the 100th Street overpass to 132nd Avenue NE. Candidate CIP project NM 0036, included as a part of annual non-motorized program NM 8888.

NM20-11 Sidewalk

Location: NE 95th Street from 112th Avenue NE to 116th Avenue NE

Description: Install curb, gutter, sidewalk and storm drain along north side. Unfunded CIP project NM 0045.

NM20-12 Sidewalk

Location: 18th Avenue West from Market Street to Rose Point Lane

Description: Install curb, gutter, sidewalk and storm drain along roadway. Candidate CIP project NM 0046, included as a part of annual non-motorized program NM 8888.

NM20-13 Sidewalk

Location: 116th Avenue NE from NE 70th Street to NE 75th Street

Description: Installation of curb, gutter, sidewalk and storm drainage along east side of roadway. Unfunded CIP project NM 0047.

NM20-14 Sidewalk

Location: 130th Avenue NE, NE 95th Street to NE 100th Street

Description: Installation of curb, gutter, sidewalk and storm drainage along west side of roadway. Unfunded CIP project NM 0037.

NM20-15 Pedestrian/Bicycle Bridge

Location: NE 90th Street, 116th Avenue NE to Slater Avenue; across I-405

Description: Pedestrian/bicycle bridge approximately 10 feet wide, with approaches on each end. Unfunded CIP project NM 0030.

NM20-16A Sidewalk

Location: NE 90th Street, 124th Avenue NE to 128th Avenue NE (Phase I)

Description: Installation of curb, gutter and sidewalk along the north side. Unfunded CIP project NM 0056.

NM20-16B Sidewalk

Location: NE 90th Street, 120th Avenue NE to 124th Avenue NE, and 128th Avenue NE to 132nd Avenue NE (Phase II)

Description: Installation of curb, gutter and sidewalk along the north side. Unfunded CIP project NM 0026.

NM20-17 Pathway/Sidewalk

Location: NE 60th Street from 116th Avenue NE to 132nd Avenue NE

Description: Half-street improvements along the north side to include pathway/sidewalk, curb and gutter (where appropriate), storm drainage/conveyance (natural and/or piped) and minor widening; accommodations for equestrians will be reviewed during the design. Unfunded CIP project NM 0048.

NM20-18 Pedestrian Facility

Location: Forbes Creek Drive from Crestwoods Park to Juanita Bay Park

Description: Installation of curb, gutter and sidewalk along the north side of Forbes Creek Drive from approximately 108th Avenue NE to approximately Market Street. Unfunded CIP project NM 0041.

NM20-19 Pedestrian/Bicycle Facility

Location: NE 126th Street/Totem Lake Way from 120th Avenue NE to 132nd Place NE

Description: Installation of paved multi-purpose path and storm drainage along corridor. Candidate CIP project NM 0043, included as a part of annual non-motorized program NM 8888.

NM20-20 Crosswalk Upgrades

Location: Various locations throughout City

Description: Pedestrian crossing improvements. Projects are combined and funded every two years under CIP project NM 0012.

NM20-21 Annual Pedestrian Improvements

Location: Various locations throughout City

Description: Continue to prioritize and install pedestrian improvements to meet the adopted level of service.

NM20-22 Annual Bicycle Improvements

Location: Various locations throughout the City

Description: Continue to prioritize and install bicycle improvements to meet the adopted level of service.

NM20-23 Sidewalk

Location: 112th Avenue NE from NE 87th Street to NE 90th Street

Description: Installation of curb, gutter, sidewalk and storm drain along west side of roadway. Candidate CIP project NM 0049, included as a part of annual non-motorized program NM 8888.

NM20-24 Sidewalk

Location: NE 80th Street from 126th Avenue NE to 130th Avenue NE

Description: Installation of curb, gutter, sidewalk and storm drain along south side of roadway. Candidate CIP project NM 0050, included as a part of annual non-motorized program NM 8888.

- NM20-25** Sidewalk
- Location:** NE 85th Street from I-405 to 132nd Avenue NE and along 124th Avenue NE from NE 80th Street to NE 90th Street (AKA Rose Hill Business District Sidewalks)
- Description:** Install sidewalk, planter strip, storm drainage and other improvements to enhance Sound Transit bus route 540 ridership. Funded CIP project NM 0051.
- NM20-26** Sidewalk
- Location:** Kirkland Way from 8th Street to Ohde Avenue
- Description:** Installation of curb, gutter, sidewalk and storm drain along the roadway. Unfunded CIP project NM 0063.
- NM20-27** Sidewalk
- Location:** NE 112th Street from 117th Place NE to the **Eastside Rail Corridor** crossing
- Description:** Installation of curb, gutter, sidewalk and storm drain along north side of roadway. Candidate CIP project NM 0053, included as a part of annual non-motorized program NM 8888.
- NM20-28** Annual Sidewalk Maintenance Program
- Location:** Citywide
- Description:** Repair and replacement of existing sidewalks to provide safe pedestrian travel ways and to maintain the value of the sidewalk infrastructure. Funded CIP project NM 0057.
- NM20-29** Nonmotorized/Emergency Access Connection
- Location:** 111th Avenue from **Eastside Rail Corridor** north to Forbes Creek Drive
- Description:** Install paved nonmotorized facility with retractable bollards and/or emergency vehicle actuated gate(s) to prevent through traffic. Identified in the Highlands Neighborhood Plan; unfunded CIP project NM 0058.
- NM20-30** Sidewalk
- Location:** 6th Street from 1st Avenue South to Kirkland Way
- Description:** The 6th Street Sidewalk will construct 5 foot wide sidewalk along the north side of 6th St from Kirkland Ave to approximately 180 feet south to connect into existing sidewalk. In addition, approximately 135 ft of 5 ft sidewalk will be constructed along Kirkland Ave to connect two missing sections of sidewalk and allow pedestrians to walk past an existing power pole and fire hydrant which are currently obstructing the walkway. Two existing sidewalk ramps will be upgraded to meet the requirements of the Americans with Disabilities Act, and two new sidewalk ramps will be constructed to connect the new sidewalk segments. The use of porous concrete will be used for the new sidewalks and storm drain improvements will be made as required. [Project](#)

NM 0059 has been moved to funded due to the receipt of a TIB Sidewalk Program grant Candidate CIP project NM 0059, included as a part of annual non-motorized program NM 8888.

NM20-31 Elementary School Walk Route Enhancements

Location: Various locations adjacent to schools, including Peter Kirk, Lakeview, Ben Franklin, Rose Hill, Mark Twain, AG Bell and Juanita Elementary Schools.

Description: Design and construct curb, gutter and sidewalk, with a planter strip where possible, along designated school walk routes throughout the City. The proposed sidewalks will capitalize on areas where sidewalk has already been constructed with prior development. The proposed concrete sidewalk will be 5 feet wide and will be separated from the edge of the travel lane by a 4.5 foot planter strip and 0.5 foot wide concrete curb (totaling 5 feet). The project will also purchase a portable radar trailer to inform motorists of their speed. Total project cost includes State grant funding of \$498,000. Funded CIP project NM 0067.

NM20-32 Pedestrian Enhancements

Location: Park Lane from Lake Street to Peter Kirk Park – Phase II

Description: Repair and replacement of aged and broken sidewalks, curb, gutter and storm drain along this heavily used downtown pedestrian corridor. Existing trees will be reviewed with the objective of improving the overall tree canopy; low impact development standards will be incorporated into the project. Unfunded CIP project NM 0064 001.

NM20-33 Bike Lane

Location: 100th Avenue from NE 124th Street to NE 132nd Street

Description: Install bicycle lanes on 100th Avenue NE from NE 124th Street to NE 132nd Street. The new lanes will be accommodated by restriping the existing pavement and narrowing the existing auto lanes. Two landscaped medians will have to be narrowed to accomplish the restriping. In-pavement flashing light heads will be in auto wheel paths with the reconfigured lanes and therefore will be replaced. Detector loops at traffic signals will also need to be replaced to accommodate the new lane configuration. Project NM 0069 moved to funded for 2011/2012 due to receipt of federal STP grant.

NM 20-34 Sidewalk

Location: 12th Avenue from 6th Street to the BNSF Railroad adjacent to the east entrance to Peter Kirk Elementary School

Description: Install curb, gutter, sidewalk and storm drainage along north side of roadway. Partial funding by TIB Safe School Walking grant. Funded CIP project NM 0066.

NM 20-35 Annual Non-Motorized Program

Location: City wide
Description: Install up to various funding levels in 2013, 2014, 2015, 2016 any number of funded or unfunded CIP projects based on the active transportation plan criteria. Funded CIP project NM 8888.

NM 20-36 Sidewalk

Location: NE 104th Street between 126th Avenue NE and 132nd Avenue NE

Description: Install curb, gutter, sidewalk and storm drainage along roadway to improve existing Mark Twain Elementary School walk route. Unfunded CIP project NM 0061.

NM 20-37 Sidewalk

Location: 19th Avenue from Market Street to 4th Street

Description: Install curb, gutter, sidewalk and storm drainage along south side of road to improve existing walk route to Kirkland Jr. High School. Unfunded CIP project NM 0062.

NM 20-38 Sidewalk

Location: NE 132nd Street from 84th Avenue NE to 87th Avenue NE

Description: Install curb, gutter, sidewalk and planter strip along NE 132nd Street that currently does not have a sidewalk. ADA compliant wheelchair ramps will be installed at crosswalk locations. Unfunded CIP project NM 0071 as grant funding is sought.

NM 20-39 Trail

Location: Eastside Rail Corridor, from South Kirkland Park and Ride to Totem Lake

Description: The acquisition of the former BSNFRR corridor for use as a multi-use trail, as one of Kirkland's highest priority non-motorized transportation projects. Funded CIP project NM 0070.

Street Improvements

ST20-1 New Street

Location: 118th Avenue NE, NE 116th Street to NE 118th Street

Description: Extend two-lane roadway, including sidewalk facilities, storm drainage and landscaping. Unfunded CIP project ST 0060.

ST20-2 New Street

Location: 119th Avenue NE, NE 128th Street to NE 130th Street

Description: Extend two-lane roadway, including sidewalk facilities, storm drainage and landscaping. Unfunded CIP project ST 0061.

ST20-3 Street Widening

Location: 120th Avenue NE, NE 128th Street to NE 132nd Street

Description: Reconstruct from the existing three-lane section to five lanes with sidewalks. Candidate CIP project ST 0063, included as a part of the annual concurrency street improvements ST 8888.

ST20-4 Street Widening

Location: 124th Avenue NE, NE 116th Street to NE 124th Street

Description: Widen to five lanes, from existing three lanes with sidewalks. Candidate CIP project ST 0059; design began in 2007 however completion is dependent upon grant funding included as a part of the annual concurrency street improvements ST 8888.

ST20-5 Street Widening

Location: 124th Avenue NE, NE 85th Street to NE 116th Street

Description: Widen to three lanes with a center two-way left turn lane (including landscaped center median islands where possible) and 2 travel-lanes, construct bicycle lanes, curb and gutter, sidewalk, storm drainage and landscaping. Unfunded CIP project ST 0064.

ST20-6 Street Widening

Location: 132nd Avenue NE / NE 85th Street to NE 120th Street

Description: Widen to three lanes with bike lanes, sidewalks, curb and gutter, landscaping and storm drainage improvements. Unfunded CIP project ST 0056.

ST20-7 Bridge Replacement

Location: 98th Avenue NE at Forbes Creek

Description: Reconstruct bridge across Forbes Creek from Market Street into Juanita area in order to meet current seismic requirements. Unfunded CIP project ST 0055.

ST20-8 New Street

Location: 120th Avenue NE from NE 116th Street to **Eastside Rail Corridor** crossing

Description: Construct 2/3 lanes as needed with pedestrian/bicycle facilities. Unfunded CIP project ST 0073.

- ST20-9** New Street
Location: NE 120th Street (east section), from Slater Avenue NE to 124th Avenue NE
Description: Construct 2/3 lanes as needed with pedestrian/bicycle facilities. Project ST 0057 -001 moved to funded for 2012 due to receipt of federal STP grant. Candidate CIP project ST-0057-001, with completion dependent upon grant funding.
- ST20-10** Street Improvements
Location: 120th Avenue NE, from Totem Lake Boulevard to NE 128th Street and Totem Lake Plaza
Description: Install various traffic calming measures, on-street parking, pedestrian and landscape improvements. Unfunded CIP ST 0070.
- ST20-11** New Street
Location: NE 130th Street, Totem Lake Boulevard to 120th Avenue NE
Description: Extend two-lane roadway including nonmotorized facilities, storm drainage and landscaping. Unfunded CIP project ST 0062.
- ST20-12** New Street
Location: NE 120th Street (west section) from 124th Avenue NE to **Eastside Rail Corridor** crossing
Description: Construct 2/3 lanes as needed with pedestrian/bicycle facilities. Unfunded CIP project ST 0072.
- ST20-13** Annual Street Preservation Program
Location: Various sites throughout the City based on Pavement Management Program
Description: Patch and overlay existing streets to provide safe travel ways and maintain the value of the street infrastructure. Funded CIP project ST 0006.
- ST20-14** Street Widening
Location: NE 132nd Street from 100th Avenue NE to the WSDOT interchange
Description: Addition of landscape and median islands, repair of curb, gutter and sidewalk. Repaving and restriping to accommodate bike lanes. Configuration as outlined in the 2008 NE 132nd Street master plan. Unfunded CIP project ST 0077.
- ST20-15** Street Widening
Location: NE 132nd Street from WSDOT Interchange to 124th Avenue NE

Description: Addition of landscape and median islands, repair of curb, gutter and sidewalk. Repaving and restriping to accommodate bike lanes. Configuration as outlined in the 2008 NE 132nd Street master plan. Unfunded CIP project ST 0078.

ST20-16 Street Widening

Location: NE 132nd Street from 124th Avenue NE to 132nd Avenue NE

Description: Addition of landscape and median islands, repair of curb, gutter and sidewalk. Repaving and restriping to accommodate bike lanes. Configuration as outlined in the 2008 NE 132nd Street master plan. Unfunded CIP project ST0079.

ST20-17 Street Improvements

Location: Annual Striping Program

Description: Annual program to maintain markings that identify travel lanes and other guidance markings for auto, pedestrian, bicycle, transit and other forms of transportation. The program will result in restriping of more than 30 miles of collector and arterial streets throughout the City. Funded CIP project ST 0080.

ST20-18 Annual Concurrency Street Improvements

Location: City-wide

Description: This project provides for the construction and re-construction of city roadways to meet concurrency needs to help the City attain the 2022 level of service standards established in the Comprehensive Plan. Candidate projects under this annual program are identified above and include other improvements, as deemed appropriate. Funded CIP project ST 8888.

ST20-19 Annual Street Preservation Program – One Time Project

Location: NE 85th Street

Description: The overlay of NE 85th Street coincident with intersection, roadway and other improvements associated with CIP projects NM 0051, ST 0075, TR 0078, and TR 0080. Funds became available through the State Department of Transportation (WSDOT) as a result of the recent jurisdictional transfer of SR908 from the WSDOT to the City of Kirkland. Funded CIP project ST 0006-002

ST 20-20 Street

Location Totem Lake Area Development Opportunity Program

Description Establishing a new project in anticipation of development opportunities funded through grants that may require a City matching portion. Unfunded CIP project ST 0081.

Intersection Improvements

TR20-1 Traffic Signal

Location: 100th Avenue NE/NE 124th Street

Description: Construct a northbound receiving lane on the north leg of the intersection and conversion of existing northbound right-turn lane to a through/right-turn configuration. Unfunded CIP project TR 0084.

TR20-2 Intersection Improvements

Location: Kirkland Way/Eastside Rail Corridor Abutment/Intersection Improvements
Kirkland Way Underpass at Burlington Northern Santa Fe Railroad crossing

Description: New railroad undercrossing along Kirkland Way, installation of sidewalks and bike lanes in immediate vicinity, improve clearance between roadway surface and overpass, and improve sight distance. Unfunded CIP project TR 0067.

TR20-3 Traffic Signal

Location: 6th Street/Kirkland Way

Description: Construct a new signal at this intersection. The project will include controlled pedestrian crosswalks. Funded CIP project TR 0065.

TR20-4 Intersection Improvements

Location: Totem Lake Way / 120th Avenue NE

Description: Install traffic signal to minimize traffic conflict, improve safety and traffic operation. It is anticipated that the design and construction timing is concurrent with the development of Totem Lake Mall which will be required to install the traffic signal as part of SEPA mitigation. Unfunded CIP project TR 0099.

TR20-5 HOV Queue Bypass

Location: NE 124th Street and I-405, east to southbound

Description: Construct an additional lane and signal improvements to allow connection from NE 124th Street to the HOV lane on the southbound freeway access ramp. Unfunded CIP project TR 0057.

TR20-6 Intersection Improvements

Location: NE 85th Street/120th Avenue NE

Description: Project will add one northbound right-turn lane and one new westbound and one new eastbound travel lane on NE 85th Street. Candidate CIP project TR 0088, included as a part of the annual concurrency traffic improvements TR 8888.

TR20-7 Intersection Improvements

Location: NE 85th Street/132nd Avenue NE

Description: Project will add one new westbound and one new eastbound travel lane on NE 85th Street. Unfunded CIP project TR 0089.

TR20-8 HOV Queue Bypass

Location: NE 85th Street and I-405, east to southbound

Description: Construct an additional lane and signal improvements to allow connection from NE 85th Street to the HOV lane on the southbound freeway access ramp. Unfunded CIP project TR 0056.

TR20-9 HOV Queue Bypass

Location: Lake Washington Boulevard at Northup Way

Description: Add southbound Lake Washington Boulevard queue bypass lane from Cochran Springs to westbound SR 520. Unfunded CIP project TR 0068.

TR20-10 Queue Bypass and HOV Facilities

Location: Various as identified

Description: Intersection improvements or HOV lanes that are not included in other projects as follows:

1. NE 116th Street/I-405 queue bypass eastbound to southbound (unfunded CIP project TR 0072)
2. NE 85th Street/I-405 queue bypass westbound to northbound (unfunded CIP project TR 0074)
3. NE 70th Street/I-405 queue bypass eastbound to southbound (unfunded CIP project TR 0073)
4. NE 124th Street/I-405 westbound to northbound (unfunded CIP project TR 0075)

TR20-11 Intersection Improvements

Location: Various as identified

Description: New signals or signal improvements that are not included in other projects are as follows:

1. Kirkland Avenue/Lake Street South
2. Lake Street South/2nd Avenue South

3. Market Street/Central Way
4. Market Street/7th Avenue NE
5. NE 53rd Street/108th Avenue NE
6. NE 60th Street/116th Avenue NE
7. NE 60th Street/132nd Avenue NE
8. NE 64th Street/Lake Washington Boulevard
9. NE 70th Street/120th Avenue NE or 122nd Avenue NE
10. NE 80th Street/132nd Avenue NE
11. NE 112th Street/124th Avenue NE
12. NE 116th Street/118th Avenue NE
13. NE 116th Street/124th Avenue NE (northbound dual left turn) (TR 0092)
14. NE 126th Street/132nd Place NE
15. NE 128th Street/Totem Lake Boulevard
16. NE 100th Street/132nd Avenue NE
17. Market Street / Forbes Creek Drive
18. NE 112th Street/120th Avenue NE
19. Totem Lake Boulevard/120th Avenue NE

TR20-12 Intersection Improvements

Location: NE 70th Street/132nd Avenue NE

Description: Install westbound and northbound right-turn lanes. Candidate CIP project TR 0086, included as a part of the annual concurrency traffic improvements TR 8888.

TR20-13 Intersection Improvements

Location: Lake Washington Boulevard at NE 38th Place

Description: Install upgrades to the existing signalized intersection including one additional northbound Lake Washington Boulevard travel lane through the intersection. Replace all existing pedestrian facilities and consolidate commercial driveways where feasible. Funded CIP project TR 0090.

TR20-14 Intersection Improvements

Location: 124th Avenue NE at NE 124th Street - Phase III

Description: Install improvements on the north leg of this intersection. Candidate CIP project TR 0091; included as a part of the annual concurrency traffic improvements, TR 8888.

TR20-15 Intersection Improvements

Location: 100th Avenue NE/NE 132nd Street

Description: Construct a northbound receiving lane on the north leg of the intersection and conversion of existing northbound right-turn lane to a through/right-turn configuration. Construct a second southbound left-turn lane. Candidate CIP project TR 0083, included as a part of the annual concurrency traffic improvements TR 8888.

TR20-16 Traffic Signal

Location: Central Way & Park Place entrance (between 4th St and 5th St)

Description: Install traffic signal to minimize traffic conflict, improve safety and traffic operation; in addition to these vehicular improvements, existing un-signalized crosswalks at 5th St and 4th St will be eliminated. It is anticipated that the design and construction timing is concurrent with the development of Park Place which will be required to install the traffic signal as part of SEPA mitigation. Funded CIP project TR 0082.

TR20-17 Intersection Improvements

Location: NE 132nd Street/124th Avenue NE

Description: Extend existing eastbound left turn lane to 500 feet and add a second 500 foot eastbound left turn lane. Widen and restripe east leg to match west leg, widen and restripe north leg for 1,000 feet to provide 2 northbound through lanes with 1 southbound left turn lane and 1 southbound through/right turn lane. Restripe south leg to match north leg; these improvements will allow this intersection to maintain a vehicular level of service less than the required 1.4 volume to capacity ratio. ~~Un~~funded CIP project TR 0096.

TR20-18 Intersection Improvements

Location: NE 132nd Street at 116th Way NE to Totem Lake Blvd / I-405

Description: Coordination of City ROW and intersection improvements in association with the WSDOT's Half-Diamond Interchange at NE 132nd Street and I-405 as recommended in the NE 132nd Street Master Plan. ~~Un~~funded CIP project TR 0098.

TR20-19 Intersection Improvements

Location: 6th Street/Central Way

Description: The installation of multiple upgrades to the existing signalized intersection. The intersection improvements will result in a new signature "Gateway" to the Central Downtown area of Kirkland with associated necessary upgrades to surface water elements and a sensitive area (stream). The project will result in the construction of a significant retaining wall structure and the acquisition of new right-of-way, in addition to general signal, pedestrian and ITS improvements. Funded CIP project TR 0100.

TR20-20 Intersection Improvements

Location: Central Way/4th Street

Description: Extend two-way-left turn by moving crosswalk to Park Place Signal. Funded CIP project TR 0103.

TR20-21 Intersection Improvements

Location: 6th Street S/4th Avenue

Description: Dual eastbound left turn, with widening on 6th Street. Funded CIP project TR 0104.

TR20-22 Intersection Improvements

Location: Central Way/5th Street

Description: Install new traffic signal. These improvements will allow the intersection to maintain a level of service less than the required 1.4 volume to capacity ratio. ~~F~~Unfunded CIP project TR 0105.

TR20-23 Intersection Improvements

Location: 6th Street / 7th Avenue

Description: Add left turn lanes on northbound and southbound approaches. ~~F~~Unfunded CIP project TR 0106.

TR20-24 Intersection Improvements

Location: Market Street / 15th Avenue

Description: Install new traffic signal. These improvements will allow the intersection to maintain a level of service less than the required 1.4 volume to capacity ratio. ~~F~~Unfunded CIP project TR 0107.

TR20-25 Intersection Improvements

Location: NE 85th Street / 124th Avenue NE

Description: Add northbound right-turn-only pocket. Funded CIP project TR 0108.

TR20-26 Intersection Improvements

Location: NE 132nd St/ Juanita High School

Description: Construct a 250 foot eastbound right turn lane to allow this intersection to maintain a vehicular level of service less than the required 1.4 volume to capacity ratio. Unfunded CIP project TR 0093.

TR20-27 Intersection Improvements

Location: Totem Lake Plaza/120th Ave NE Intersection Improvements

Description: Install traffic signal to minimize traffic conflict, improve safety and traffic operation. It is anticipated that the design and construction timing is concurrent with the development of Totem lake Mall which will be required to install the traffic signal as part of SEPA mitigation. ~~Un~~funded CIP project TR 0110.

TR20-28 Intersection Improvements

Location: Totem Lake Plaza/Totem Lake Blvd

Description: Install traffic signal and associated roadway improvements between Totem Lake Boulevard and NE 120th Avenue NE to minimize traffic conflict, improve safety and traffic operations through the Totem Lake Mall. It is anticipated that the design and construction timing is concurrent with the development of Totem lake Mall which will be required to install the improvements as part of SEPA mitigation. ~~Un~~funded CIP project TR 0109.

TR20-29 Intersection Improvements

Location: NE 132nd Street / 108th Avenue NE

Description: Construct a 250 foot westbound right turn lane to allow this intersection to maintain a vehicular level of service less than the required 1.4 volume to capacity ratio. Unfunded CIP project TR 0094.

TR20-30 Intersection Improvements

Location: NE 132nd Street / Fire Station Access

Description: Modify existing signal to include pedestrian actuated option, as recommended in the NE 132nd Street Master Plan, to aid in helping the corridor with capacity issues in anticipation of the WSDOT Half-Diamond interchange at I-405 and NE 132nd Street and Totem Lake redevelopment. Unfunded CIP project TR 0095.

TR20-31 Intersection Improvements

Location: NE 132nd St/132nd Ave NE

Description: Extend the eastbound left turn and right turn lanes to 500 feet; these improvements will allow this intersection to maintain a vehicular level of service less than the required 1.4 volume to capacity ratio. Unfunded CIP project TR 0097.

TR20-32 Intersection Improvements

Location: NE 85th St/132nd Ave NE

Description: Phase 1. Extend the southbound to eastbound left-turn lane pocket. Construct a northbound to eastbound right-turn lane, and extend the westbound to northbound right-turn lane (by Redmond). Sound Transit has contributed funding \$860,000 towards the cost of the westbound right-turn lane. Funded CIP project TR 0078.

TR20-33 Intersection Improvements

Location: NE 85th St/124th Ave NE

Description: Construct two eastbound to northbound left-turn lanes as part of a Sound Transit Route 540 corridor improvement. The installation of a northbound 124th Ave NE taper will provide for a bike lane, wide planter strip with landscaping, and a new sidewalk. Funded CIP project TR 0080.

TR20-34 Annual Concurrency Traffic Improvements

Location: City-wide

Description: This project provides for the construction and re-construction of traffic signals and/or intersections to meet concurrency needs to help the City attain the 2022 level of service standards established in the Comprehensive Plan. Candidate projects under this annual program are identified above and include other improvements, as deemed appropriate. Funded CIP project TR 8888.

TR20-35 Kirkland ITS Improvements – Phase I

Location: City-wide

Description: The incorporation of Intelligent Transportation System (ITS) needs, as identified in the Kirkland Intelligent Transportation System (KITS) Plan approved by Council in 2008. ITS measures will be employed to upgrade current signal equipment, connect signals and ITS field locations with a new central operations management location. Funded CIP Project TR 0111 000.

TR20-36 Kirkland ITS Improvements – Phase II

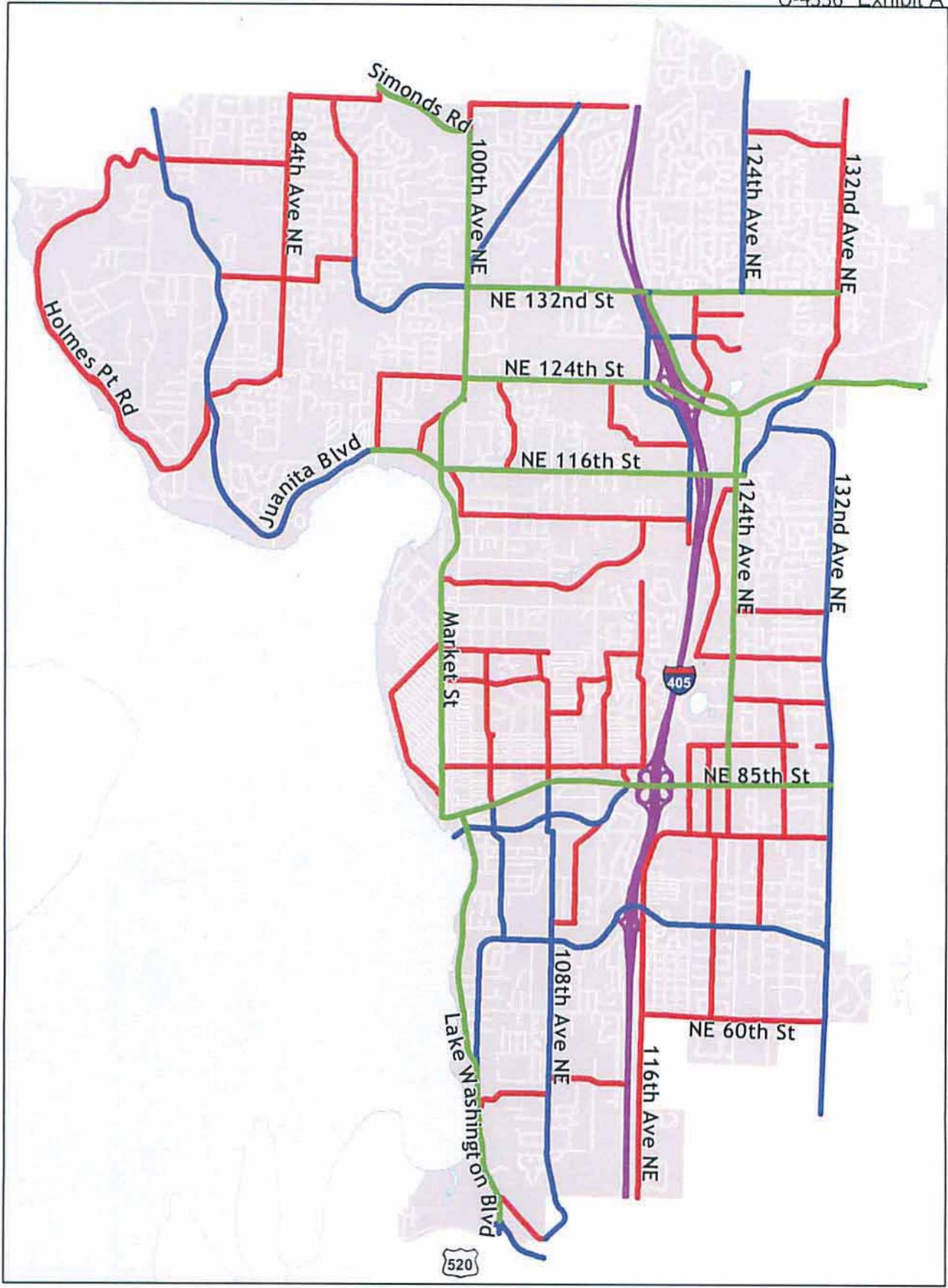
Location: City-wide

Description: The incorporation of Intelligent Transportation System (ITS) needs, as identified in the Kirkland Intelligent Transportation System (KITS) Plan approved by Council in 2008. ITS measures will be employed to upgrade current signal equipment, connect signals and ITS field locations with a new central operations management location. Unfunded CIP Project TR 0111 001.

TR20-37 Downtown Pedestrian Safety Improvements – Central Way

Location: Various intersections on Central.

Description: Installation of Countdown Pedestrian Signals (CPS) at intersections of Lake St/Central Way, 3rd St/Central Way, and 6th St/Central Way. Funded CIP project TR 0112 000.



-  Principal Arterial
-  Minor Arterial
-  Collector
-  State Routes and Interstate

-  Lakes
-  City of Kirkland



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Figure T-1: Street Classifications and State Routes

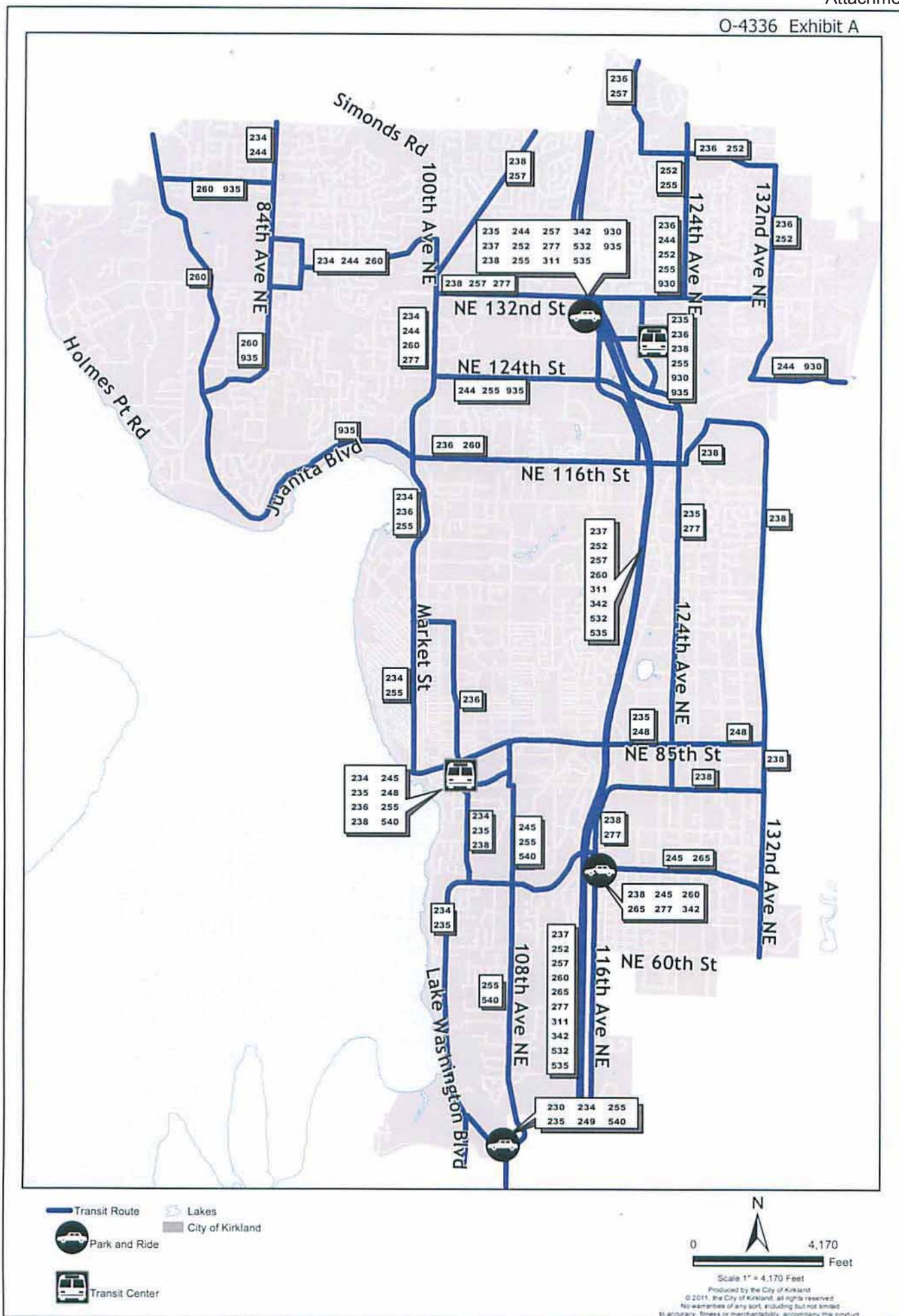


Figure T-4: Transit Service

Figure T-6: Transportation Project List Funded/Unfunded

Exhibit A

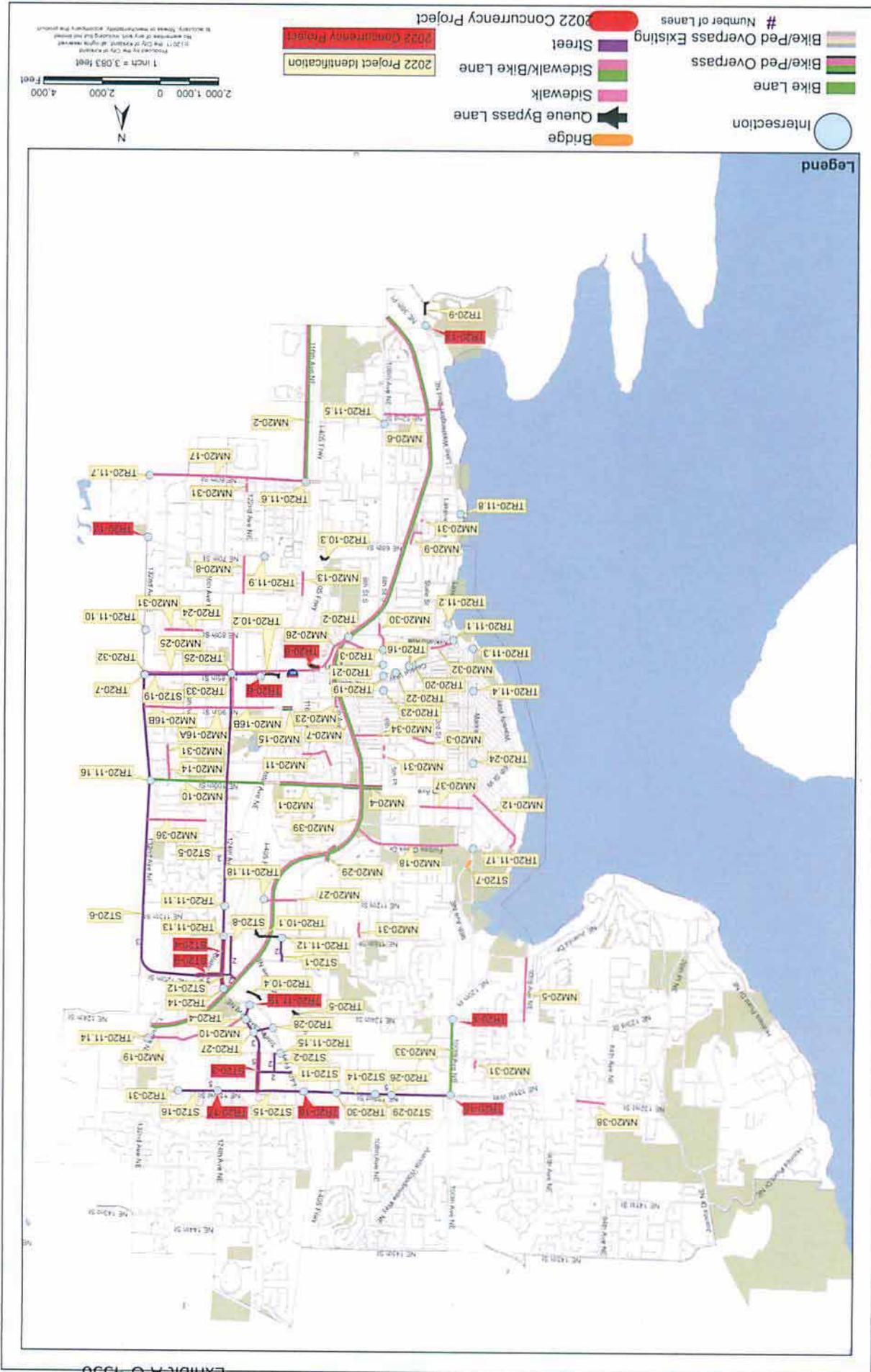


Exhibit A O-4336

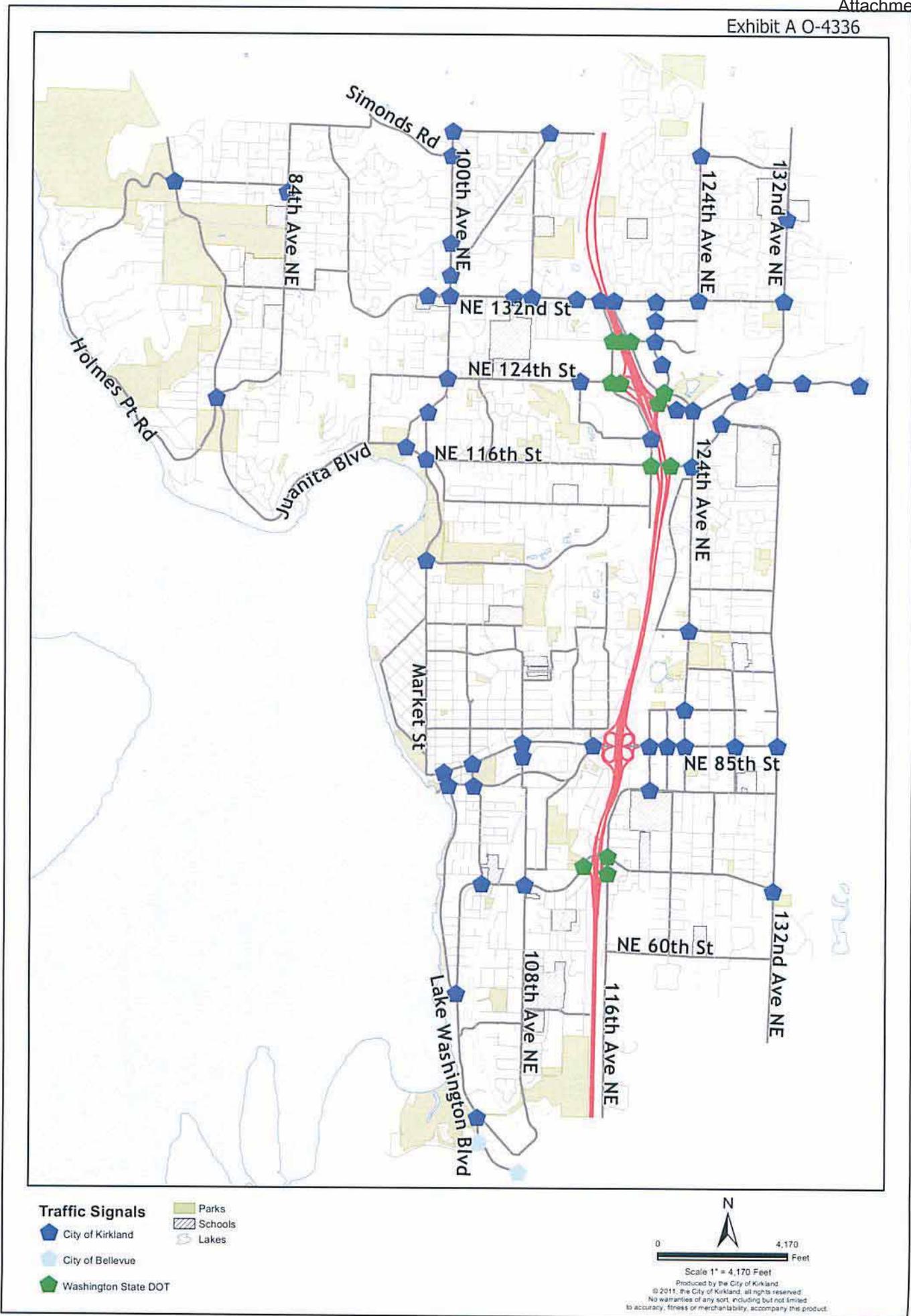


Figure T-7: Signalized Intersections

