Narrative

The Bryant townhouse project occupies the middle of the block that extends from N.E 65th St. to N.E 68th St. and from 32nd Ave. N.E. to 34th Ave. N.E.. The block is a transitional zone beginning on the south with neighborhood commercial zoning and to the east with lowrise zoning. To the north and west single family zones dominate. The neighborhood ranges from brick and wood sided bungalows to modern style pavilions.

The site design for the townhouses is based on the park like character of the site today. It is also part of a transition from commercial buildings to the south along 65th to townhouses and single family residences to the north. Lastly, vehicular access will be from an extension of the alley that opens onto N.E. 68th St.. At the townhouse property line, the alley will split, providing two driveways that will be designed in a "wonerf" style to promote contemporaneous use by occupants as well as the necessary drive lanes. The vehicular lanes combined with the east west dimension of the site generate four rows of townhouses articulated by pedestrian pathways and courtyards as well as the drive lanes.

The east and west faces of the site are occupied by 3 unit and 4 unit townhouse buildings, each stepped back from its neighbor creating a fluid series of small scaled buildings across from brick single family on the west and townhouse blocks to the east.

Generous street trees and site entry planting will modulate these facades from the street and maintain the pleasant wooded character of the neighborhood. All townhouses will have porches and private entry areas.

Behind the street front townhouses the "wonerf" drive lanes provide access to a second set of buildings. These flank a central green which is the heart of the townhouse development. Existing trees dominate the center of the site with two exceptional trees – an Elm and an Atlas Cedar – creating a park like environment. Front door paths wind through the green punctuated by communal areas for seating and other activities.

The Bryant Townhouse project will reflect the quality and aesthetic blend of the neighborhood and provide a smooth transition between commercial and residential areas, respecting a tradition of high quality design and human scaled environments.

6556 32nd Ave NE January 03 2014 DPD Project # 3016468

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SITE AREA LR2: 66,456 sf

ZONING LR-2

DEVELOPMENT OBJECTIVES LR-2: 39 townhomes (approx.) 66,582/1600 or 41.6 allowable

SUMMARY OF DEVELOPMENT STANDARDS Height limit: LR2: gable ridge (SMC 23.45.514)

LR2: townhomes: 1/dwelling (SMC 23.54.015)

FAR:

Setbacks:

Parking:

LR2: 1.2* x 66,582 = 79,898.4 (SMC 23.54.510)

LR2: rear: side: 5' if facade <40' or 7' ave., 5' min Building width limit: 90' (SMC 23.45.518)

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30' to spring point, +5' to

front: 7' ave., 5' minimum



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SITE AREA LR-2= 66,456 s.f.

Zoning of Site and



URBAN DESIGN ANALYSIS: VICINITY MAP

Α

SF-5000



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32nd Ave NE and NE 65th St. Historic Photo of Children's Home Society (Built in 1901. Image taken in 1939)

NE 68th Street Historic Photo of Children's Home Society (Built in 1945. Image taken in 1961)



NE 65th Street Historic Photo of Children's Home Society (Built in 1908. Image taken in 1939)



NE 65th Street Historic Photo of Children's Home Society (Built in 1905. Image taken in 1939)

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Theodora Senior Living Wedgwood Unitarian Church



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COMMUNITY CONTEXT URBAN DESIGN ANALYSIS:

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Recessed corner provides retail presence



Modern expression in existing commercial context



Brick expression in existing commercial context



Brick expression in single family



Recessed corner provides sidewalk relief



Modern expression in single family

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Brick facade, corner entry, large storefront windows Corner relief at sidewalk and retail



Activation at sidewalk, corner entry

Large windows and vegetation at sidewalk

Vibrant colors and pedestrian-scaled detailing

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SITE PHOTOS: FROM WITHOUT





34th Avenue NE Looking East





32nd Avenue NE Looking West

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SITE PHOTOS: FROM WITHIN







4	

Site Interior (mid-block, looking East)

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SITE PHOTOS: FROM WITHIN



32nd Avenue NE Looking East



SITE ACCESS

EXCEPTIONAL TREE

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CONSTRAINTS AND OPPORTUNITIES

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11



The Critical Root Zone (CRZ) of a tree is established on the basis of the trunk diameter. The CRZ is a circular area which has a radius of 12 inches to every inch diameter of trunk measured at 4.5 feet above grade. Root systems will vary both in depth and spread depending on size of tree, soils, water table, species and other factors. However, this CRZ description is generally accepted in the tree industry. Protecting this entire area should result in no adverse impact to the tree.

The above CRZ drawing has been further differentiated into the 'Perimeter' (PCRZ) and 'Interior' (ICRZ) to help define potential impact and required Post Care. Generally, the full PCRZ is considered the optimum amount of root protection for a tree. As one encroaches into the "Perimeter CRZ, but not into the "Interior CRZ" the greater Post Care the tree would require to remain alive and stable. The 'Interior CRZ is half the radius of the full PCRZ. Disturbance into the ICRZ could destabilize or cause the tree to decline.

The absolute maximum disturbance allowed should leave the 'Interior' CRZ undisturbed if the tree is to have any chance of survival. This 'Interior' CRZ would approximately equal the size of a rootball needed to transplant this tree which in turn would require extensive Post Care and possibly guying. Post Care Treatment includes but may not be limited to; regular irrigation, misting, root treatment with special root hormones, mulching, guying and monitoring for several years.



Urban Forestry Services, Inc. 15119 McLean Rd. Date: 2011-12 Mount Vernon, WA 98273

Title: Explanation of Critical Root Zone (CRZ) Source: Urban Forestry Services, Inc Jim Barborinas, ISA Certified Arborist PN-0135 ASCA Registered Consulting Arborist #356, Certified Tree Risk Assessor #PNW-0327

Not to Scale



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TREE SURVEY

12

Tree # Species

Drip

DBH line CRZ (in.) (ft.) (ft.) Vigor

TREE RISK ASSESSMENT MATRIX Polygon Homes - Bryant Project LR 3300 NE 65th St

Target

Structure Defects / Comments

Likelihood ilure & Impa Calc

Failure of Rating

Moder -

Likelihood c acting Targe

Date: 1/2/2014 Field Work Completed 8/05

Maintenance al Tree on ations TREE RISK ASSESSMENT MATRIX Polygon Homes - Bryant Project LR 3300 NE 65th St

Tree #	Species	DBH (in.)	Drip - line (ft.)	CRZ (ft.)	Vigor	Structure	Defects / Comments	Target	Likelihood of Failure	Likelihood of Impacting Target	Likelihood of Failure & Impact Calc.,	Consequences of Failure	Tree Risk Rating	Preservation Value / Exceptional Tree	Maintenance Recommend - ations
543	Sycamore maple, Acer pseudoplatanus	22.1	22	23	Poor-Fair	Good	The tree has sustained large basal injuries, and the root crown has fill around it. The crown has minor dieback.	Pedestrians, and parked vehicles.	Possible	Medium	Unlikely	Minor	Low	Low	If retained complete a root crown excavation, and root invigoration treatment.
544	Sycamore maple, Acer pseudoplatanus	12.7	23	13	Poor-Fair	Good	The tree has sustained large basal injuries, and the root crown has fill around it. The crown has minor dieback. The crown is suppressed by more dominant surrounding trees.	Pedestrians, and parked vehicles.	Possible	Medium	Unlikely	Minor	Low	Low	If retained complete a root crown excavation, and root invigoration treatment.
545	Red oak, <i>Quercus</i> <i>rubra</i>	18.1	22	19	Good	Good	Root growth is causing damage to surrounding curb and ashpalt.	Pedestrians, and parked vehicles.	Possible	Medium	Unlikely	Minor	Low	Low	
589	Douglas fir, Pseudotsuga menziesii	21.9	23	23	Good	Good	The crown contains deadwood upto 1.5 inches diameter. Root growth is damaging surrounding sidewalk.	Pedestrians, and vehicle parking.	Probable	Medium	Some- what likely	Minor	Low	Low	
590	Douglas fir, Pseudotsuga menziesii	13.1	15	14	Good	Good	The crown contains deadwood upto 1.5 inches diameter. Root growth is damaging surrounding sidewalk.	Pedestrians, and vehicle parking.	Probable	Medium	Some- what likely	Minor	Low	Low	
591	Douglas fir, Pseudotsuga menziesii	21.7	18	23	Good	Good	The crown contains deadwood upto 1.5 inches diameter. Root growth is damaging surrounding sidewalk.	Pedestrians, and vehicle parking.	Probable	Medium	Some- what likely	Minor	Low	Low	
592	Douglas fir, Pseudotsuga menziesii	5.6	6	7	Good	Good	The crown contains deadwood upto 1.5 inches diameter. Growth is suppressed by surrounding trees. Root growth is damaging surrounding sidewalk.	Pedestrians, and vehicle parking.	Probable	Medium	Some- what likely	Minor	Low	Low	
593	Douglas fir, Pseudotsuga menziesii	13.6	18	15	Good	Good	The crown contains deadwood upto 1.5 inches diameter. Root growth is damaging surrounding sidewalk.	Pedestrians, and vehicle parking.	Probable	Medium	Some- what likely	Minor	Low	Low	
594	Douglas fir, Pseudotsuga menziesii	9.4	18	10	Good	Good	The crown contains deadwood upto 1.5 inches diameter. Root growth is damaging surrounding sidewalk.	Pedestrians, and vehicle parking.	Probable	Medium	Some- what likely	Minor	Low	Low	
595	Douglas fir, Pseudotsuga menziesii	11.8	13	14	Good	Good	The crown contains deadwood upto 1.5 inches diameter. Root growth is damaging surrounding sidewalk.	Pedestrians, and vehicle parking.	Probable	Medium	Some- what likely	Minor	Low	Low	
596	Douglas fir, Pseudotsuga menziesii	8.8	17	10	Good	Good	The crown contains deadwood upto 1.5 inches diameter. Growth is suppressed by surrounding trees. Root growth is damaging surrounding sidewalk.	Pedestrians, and vehicle parking.	Probable	Medium	Some- what likely	Minor	Low	Low	
597	Douglas fir, Pseudotsuga menziesii	24.1	20	25	Good	Good	The crown contains deadwood upto 1.5 inches diameter. Root growth is damaging surrounding sidewalk.	Pedestrians, and vehicle parking.	Probable	Medium	Some- what likely	Minor	Low	Low	
598	Douglas fir, Pseudotsuga menziesii	25.1	20	26	Good	Good	The crown contains deadwood upto 1.5 inches diameter. Root growth is damaging surrounding sidewalk.	Pedestrians, and vehicle parking.	Probable	Medium	Some- what likely	Minor	Low	Low	
599	Cherry species, Prunus species	3.2	10	n/a	Poor	Poor	This tree is in general decline.	n/a	-	-	-	-	-	Low	Remove tree.
600	Cherry species, Prunus species	5.4	11	n/a	Poor	Poor	This tree is in general decline.	n/a		-	-	-	-	Low	Remove tree.
601	Japanese snowbell, Styrax japonica	4.9	4	7	Poor-Fair	Fair	This tree has dieback in the top of the crown.	Pedestrians	Improbable	Low	Unlikely	Negli- gable	Low	Low	

Urban Forestry Services, Inc.

526	Douglas fir, Pseudotsuga menziesii	17.1	19	18	Good	Good	from the tree. The crown contains deadwood upto 1.5 inches diameter.	Pedestrians, and parked vehicles.	Probable	Medium	Some- what likely	Minor	Low	Exceptio- nal Tree Grove B	Crown clean pruning.
527	Douglas fir, Pseudotsuga menziesii	10.7	12	12	Good	Fair	I noted surface roots growing from this tree. The crown contains deadwood upto 1.5 inches diameter. In addition I noted a poor trunk taper.	Pedestrians, and parked vehicles.	Probable	Medium	Some- what likely	Minor	Low	Moder - ate / Exceptio- nal Tree Grove B	Crown clean pruning.
528	Douglas fir, Pseudotsuga menziesii	18.2	21	19	Good	Good	I noted surface roots growing from this tree. The crown contains deadwood upto 1.5 inches diameter. Root growth from this tree is causing damage to surrounding asphalt.	Pedestrians, and parked vehicles.	Probable	Medium	Some- what likely	Minor	Low	Moder - ate / Exceptio- nal Tree Grove B	
529	Douglas fir, Pseudotsuga menziesii	15.2	18	16	Good	Good	I noted surface roots growing from this tree. The crown contains deadwood upto 1.5 inches diameter.	Pedestrians, and parked vehicles.	Probable	Medium	Some- what likely	Minor	Low	Moder - ate / Exceptio- nal Tree Grove B	Crown clean pruning.
530	Douglas fir, Pseudotsuga menziesii	30.9	22	32	Good	Good	I noted surface roots growing from this tree. The crown contains deadwood upto 1.5 inches diameter. Root growth from this tree is causing damage to surrounding sidewalk.	Pedestrians, and parked vehicles.	Probable	Medium	Some- what likely	Minor	Low	Moder - ate / Excep- tional	
533	Sycamore maple, Acer pseudoplatanus	10.1	12	11	Fair-Good	Fair-Good	The crown contains minor deadwood, and also has minor dieback.	Pedestrians	Improbable	Low	Unlikely	Negli- gable	Low	Moderate	
534	Sycamore maple, Acer pseudoplatanus	9.5	17	11	Fair-Good	Fair-Good	The crown contains minor deadwood, and also has minor dieback.	Pedestrians	Improbable	Low	Unlikely	Negli- gable	Low	Moderate	
535	Red maple, Acer rubrum	16.0	21	17	Fair-Good	Fair-Good	The crown contains minor deadwood, and also has minor dieback. This tree has a significant girdling root, potentially reducing its stability.	Pedestrians	Improbable	Low	Unlikely	Negli- gable	Low	Low	
536	Higan cherry, <i>Prunus</i> subhirtella	7.6	11	8	Good	Good	n/a	Pedestrians	Improbable	Low	Unlikely	Negli- gable	Low	Moderate	
537	Sycamore maple, Acer pseudoplatanus	11.6	16	12	Good	Good	The crown contains minor deadwood, and also has minor dieback.	Pedestrians	Improbable	Low	Unlikely	Negli- gable	Low	Moderate	Crown clean pruning.
538	Sycamore maple, Acer pseudoplatanus	7.3	15	8	Good	Fair	This tree has multiple trunks with a tight and weak codominant arrangement. The crown contains crossing and rubbing branches.	Building	Possible	High	Some- what likely	Minor	Low	Low	Crown clean pruning.
539	American elm, <i>Ulmus</i> americana	38.2	33	39	Poor-Fair	Poor-Fair	SEE THE 'EXCEPTIONAL TREE REMOVAL MATRIX'. Summary: This tree has extensive crown dieback, with deadwood upto 3 inches diameter. This tree is in a general state of decline.	Building, pedestrians, and parking.	Probable	Medium	Some- what likely	Signific ant	Moderate	Low / Excep- tional	Remove tree. This tree is in general decline, and so it is not advisable to retair as an exceptional tree and construct around it.
540	Quaking aspen, Populus tremuloides	15.2	14	16	Good	Good	The crown contains deadwood upto 1.5 inches diameter.	Pedestrians	Improbable	Low	Unlikely	Negli- gable	Low	Low / Excep- tional	Option to 1) remove and replace 2) transplant.
541	Quaking aspen, Populus tremuloides	14.0	13.0	15	Good	Good	This tree is producing surface roots. The crown contains deadwood upto 1.5 inches diameter.	Pedestrians	Improbable	Low	Unlikely	Negli- gable	Low	Low / Excep- tional	Option to 1) remove and replace 2) transplant.
542	Quaking aspen, Populus tremuloides	12.6	15	14	Good	Good	developed in the mid crown, with a stable structure. The crown contains deadwood upto	Pedestrians	Improbable	Low	Unlikely	Negli- gable	Low	Low / Excep- tional	Option to 1) remove and replace 2) transplant.

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TREE SURVEY

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TREE RISK ASSESSMENT MATRIX Polygon Homes - Bryant Project LR 3300 NE 65th St

Date: 1/2/2014 Field Work Completed 8/05

Tree #	Species	DBH (in.)	Drip - line (ft.)	CRZ (ft.)	Vigor	Structure	Defects / Comments	Target	Likelihood o Failure	Likelihood o Impacting Targe	Likelihood o Failure & Impac Calc.	Consequences o Failure	Tree Risk Rating	Preservatior Value y Exceptional Tree	Maintenance Recommend -ations
602	Japanese snowbell, <i>Styrax japonica</i>	(1.5, 2, 2.9) 3.5	7	4	Fair	Fair	This tree has dieback in the top of the crown.	Pedestrians	Improbable	Low	Unlikely	Negli- gable	Low	Low	
603	Japanese snowbell, <i>Styrax japonica</i>	(1.8 x4, 1.3, 5) 5.5	5	7	Fair	Fair	n/a	Pedestrians	Improbable	Low	Unlikely	Negli- gable	Low	Low	
604	Japanese snowbell, Styrax japonica	(1.8 x8) 8	9	9	Fair	Fair	n/a	Pedestrians	Improbable	Low	Unlikelv	Negli- gable	Low	Low	
605	Japanese snowbell, <i>Styrax japonica</i>	(2, 1.4 x2) 2.5	6	4	Fair	Fair	n/a	Pedestrians	Improbable	Low	Unlikely	Negli- gable	Low	Low	
606	Japanese snowbell, <i>Styrax japonica</i>	2.8	4	n/a	Dead	-	Dead	n/a	-	-	-	-	-	n/a	Remove tree.
607	Styrax japonica	4.2	6	7	Fair	Fair	n/a	Pedestrians	Improbable	Low	Unlikely	gable	Low	Low	
608	Japanese snowbell, Styrax japonica	3.9	5	7	Poor-Fair	Fair	The crown has minor dieback.	Pedestrians	Improbable	Low	Unlikelv	Negli- gable	Low	Low	
609	Deodar cedar, Cedrus deodara	36.6	21	37	Good	Fair-Good	Root growth is causing damage to surrounding sidewalk. The crown contains deadwood upto 1.5 inches diameter.	Building, and pedestrians.	Probable	Medium	Some- what likely	Signific ant	Moderate	Moder - ate / Excep- tional	Crown clean pruning.
610	American elm, <i>Ulmus</i> americana	35.2	33	36	Good	Good	The crown contains minor deadwood.	Playground, and pedestrians.	Possible	Medium	Unlikely	Significa	Moderate	Moder - ate / Excep- tional	Crown clean pruning.
611	Sargents spruce, Picea brachytyla	6.5	8	10	Good	Good	n/a	-	-	-	-	-	-	Moderate	invasive Himalayan blackberry, Rubus discolor growing around the tree.
612	Douglas fir, Pseudotsuga menziesii	13.8	14	14	Good	Good	The crown contains deadwood upto 1.5 inches diameter.	Pedestrians, and parked vehicles.	Probable	Medium	Unlikely	Minor	Low	Moderate	Crown clean pruning.
613	Douglas fir, Pseudotsuga menziesii	13.6	14	14	Good	Good	The crown contains deadwood upto 1.5 inches diameter.	Pedestrians, and parked vehicles.	Probable	Medium	Unlikely	Minor	Low	Moderate	Crown clean pruning.
614	Douglas fir, Pseudotsuga menziesii	19.3	15	20	Good	Good	The crown contains deadwood upto 1.5 inches diameter.	Pedestrians, and parked vehicles.	Probable	Medium	Unlikely	Minor	Low	Moderate	Crown clean pruning.
	Douglas fir, Pseudotsuga						The crown contains deadwood	Pedestrians, and parked							
615	menziesii Sweetgum, Liquidambar styraciflua	25.4	21	27	Good	Fair	This tree has multiple trunks. The crown contains deadwood upto 1.5 inches diameter.	Pedestrians, and parked vehicles.	Probable	Medium	Unlikely Some- what likely	Minor Signific ant	Low	Moderate	Crown clean pruning. Crown reduction pruning.
	Sweetgum, <i>Liquidambar</i>						The crown contains deadwood	Pedestrians, and parked							· · · ·
617	styraciflua	25.7	24	27	Good	Good	upto 1.5 inches diameter.	vehicles.	Probable	Medium	Unlikely	Minor	Low	Moderate	
618	Sweetgum, Liquidambar styraciflua	17.5	20	19	Good	Poor-Fair	This tree has multiple trunks with a tight and weak codominant arrangement. The crown contains deadwood upto 1.5 inches diameter.	Pedestrians, and parked vehicles.	Probable	High	Likely	Signific ant	High	Moderate	Crown reduction pruning and cabling.
610	Sweetgum, Liquidambar styraciflua	19 F	23	20	Good	Fair	The crown contains deadwood	Pedestrians, and parked vehicles	Probable	Medium	Inlikely	Minor	Low	Moderato	
620	Sweetgum, Liquidambar styraciflua	19.2	23	20	Good	Fair	The crown contains deadwood upto 1.5 inches diameter.	Pedestrians, and parked vehicles.	Probable	Medium	Unlikely	Minor	Low	Moderate	



Photo 2, Tree #539. This Elm is recommended for removal. The tree is in poor condition as demonstrated by large sections of dead crown and dieback of remaining branches.

This is an example of quaking aspen root suckers growing into new trees from the roots of nearby aspen. Notice the position of the trunk directly adjacent to the building. This tree originated from a root sucker.





Photo 1: Note the range of root shoot sizes that have grown from exceptional tree #'s 450 through 542. Also, note the size of the shoot growing against the building next to individual shown in this photograph. In the lower part of this photograph you can see how the root suckers are growing near underground utilities. These suckers must be continually removed because of the live aspen trees growing nearby.

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Photo 3, Tree #539. An extremely large amount of epicormic branches are being produced on the primary and secondary trunks indicating tree #539 is in decline. In the upper crown, large sections of the crown are either dead or dying back.

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DESIGN GUIDELINES MOST APPLICABLE TO LR-2 PROJECT

Site Planning

-Responding to site character -Streetscape compatibility -Respect for adjacent sites -Transition between residence and street -Residential open space -Parking and vehicle access

Height/Bulk/Scale



recessed entry breaks up material and form

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MOST APPLICABLE DESIGN GUIDELINES

A

SCHEME A

Overview

- (4) buildings of 12 units each, total of (48) 3-story residential units
- all parking access at alley from NE 68th Ave
- parking provided within structures

Opportunities

- maximizes FAR
- simplifies alley and parking access by consolidating access
- simplifies constructability of structure
- maximizes pedestrian-oriented uses along the street fronts by providing parking entry off alley only
- maintains green space

Challenges

- does not respond to existing site character such as trees and topography
- departures required for exceptional tree removal
- massing does not respond to scale of neighborhood
- lacks street-oriented frontage as found in existing adjacent homes
- minimizes access to day-light for individual units





elevation at 34th Ave NE

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MASSING SCHEME A

SCHEME B

Overview

- (48) 3-story townhomes
- parking access from 32nd and 34th Ave NE
- parking provided within structures

Opportunities

- maximizes FAR
- allows better access to daylight
- provides pedestrian path between 32nd and 34th Ave NE
- all parking is contained within structure

Challenges

- most existing trees are eliminated
- requires departure for removal of exceptional trees
- requires departure for curb-cuts at 32nd and 34th Ave NE
- inward-oriented units, unlike existing neighborhood street-oriented frontage
- minimizes the pedestrian-oriented experience by introducing curb-cuts at 32nd and 34th Ave NE
- less green space is retained between units
- more impervious surface (drives) introduced to the site





elevation at 34th Ave NE

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\square SCHEME MASSING

SCHEME C (PREFERRED)

Overview

- (39) 3-story residential units
- primary access is from alley at NE 68th Street
- 12 units use reserved parking spaces within NC garage, all other parking within individual lots
- access for NC garage off of 34th Ave NE

Opportunities

- minimizes driveway and impervious surface
- maximizes tree retention
- maximizes green space at central path
- unit access to day-light
- aligns with neighborhood street-oriented frontage
- similar scale to existing neighborhood fabric
- existing trees contribute to neighborhood character
- no development departures required
- maximizes pedestrian-oriented uses along the street fronts by eliminating curb-cuts
- allows for more green space between buildings

Challenges

- does not maximize FAR
- creates fewer units due to tree retention





elevation at 34th Ave NE

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SCHEME C (PREFERRED SCHEME)



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PRELIMINARY PLAN: LANDSCAPE

Α





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CHARACTER SKETCHES

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