

Quasi-Judicial

TECHNICAL COMMITTEE REPORT TO THE HEARING EXAMINER

Project Name: Terrene 132nd

Location: 11016 132nd Ave NE, Redmond, WA 98052

Project File Number: PR-2014-00820

Project Description: Subdivide 4 parcels and a total of 6.55 acres in to 22 lots for the purpose of constructing 21 single family detached homes and one duplex.

File Numbers: LAND-2014-02307- Subdivision
SEPA-2015-00974 – SEPA

Applicant: Mike Walsh
Terrene at RH 132nd, LLC
520 6th Street South
Kirkland WA 98033

Applicant's Representative: Mike Walsh
Terrene at RH 132nd, LLC
520 6th Street South
Kirkland WA 98033

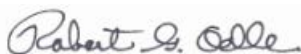
Planner: Sarah Vanags

Decisions Included: Preliminary Plat, Type III (RZC 21.76)


Recommendation: **Approval with Conditions**

Public Hearing Date: August 3, 2015

Conclusion in Support of Recommendation: The Technical Committee has found the proposal to be in compliance with the Redmond Zoning Code (RZC), Redmond Comprehensive Plan, Redmond Municipal Code, and State Environmental Policy Act (SEPA).



ROBERT G. ODLE, DIRECTOR
Planning and Community Development
Department



LINDA E. DE BOLDT, Director
Public Works Department

Project Review Authority and Procedures

The City of Redmond **Technical Committee** is comprised of staff from different departments and disciplines who analyze project applications for compliance with City codes and regulations. Based on this analysis, **the Technical Committee** provides responses, conclusions, and recommendations (in the form of this report) to the **Hearing Examiner**. The **Hearing Examiner** will conduct a public hearing to review the **Technical Committee's** analysis and recommendations on the Preliminary Plat. And receive public testimony regarding the proposal. Based upon the **Technical Committee's** recommendations and testimony received at the public hearing, the **Hearing Examiner** will make a decision to approve, approve with conditions, or deny the Preliminary Plat.

Key Dates

Application/Completeness Date: May 26, 2015
Date SEPA Determination Issued: To be issued with NOD (ODNS)
SEPA Appeal Deadline: 14 days following NOD for project
Public Hearing Date: August 3, 2015

Report Attachments

Attachment 1- General Application Form
Attachment 2- Project Contact Form
Attachment 3- Vicinity Map
Attachment 4- Zoning Map
Attachment 5- SEPA Application Form
Attachment 6- Completeness Letter
Attachment 7- Public Notice Site Plan
Attachment 8- Public Notice Tree Preservation Plan
Attachment 9- Notice of Application and Certificate of Publishing
Attachment 10- SEPA Environmental Checklist
Attachment 11- Notice of Public Hearing and Certificate of Posting
Attachment 12- Plan Set
Attachment 13- Critical Area Report
Attachment 14- Geotechnical Report
Attachment 15- Green House Gas Emissions Worksheet
Attachment 16- Tree Health Assessment
Attachment 17- Landmark Tree Exception Request
Attachment 18- Tree Exception Approval Letter
Attachment 19- Title Report
Attachment 20- Traffic Study
Attachment 21- Stormwater Report

Attachment 22- Computation Worksheet
Attachment 23- Neighborhood Meeting Notice
Attachment 24- Haney Sewer Response
Attachment 25- Public Comment
Attachment 26- Coversheet
Attachment 27- Fire Plan
Attachment 28- Landscape Plan
Attachment 29- Open Space Plan
Attachment 30- Transportation Plan
Attachment 31- Tree Preservation Plan
Attachment 32- Utility Plan

Technical Committee Analysis

I. Proposal Summary

The proposal includes a request for a preliminary plat to subdivide the property into 22 lots on 6.55 acres located within the R-4 zoning district. The proposed plat consists of 21 single family detached units and one duplex. The base density allows for a maximum of 20.51 units without the use of bonus provisions. The minimum density on the site is 10.27 dwelling units and the proposal includes 23 units.

The project utilizes the Green Building and Green Infrastructure Incentive program to reduce the minimum required lot size from 7,000 square feet by 15%, which would allow an average lot size of 5,950. The proposed average lot size is 5,992 square feet.

The project is utilizing the affordable housing bonus to achieve the two additional units in density.

II. Site Description and Context

The proposal is located within the Willows/Rosehill Neighborhood, and is surrounded by medium density single family development. Terrene 132nd is directly adjacent to City boundary-line on the west and is framed on the east by the power line and transmission corridor and trail. The Conover Cottages community is located to the North. A vicinity map is attached for reference (Attachment 3, Vicinity Map). The remaining property lines for the proposed Terrene 132nd development abut to Skyview Estates, a 4 lot short plat constructed in 1989.

The site consists of 4 tax parcels, all of which currently have homes constructed on them. The site slopes down to the east. The steep slope on the east side of the property is the only sensitive area on the project site.

<u>Existing Land Use</u>	<u>Zoning District</u>
North Single Family Residential	R-4
South Single Family Residential	R-4
East Transmission Line Trail	R-1
West Single Family Residential/ City of Kirkland	RSX 7.2

III. Site Requirements

The site is located within the R-4 zoning district. The site requirements listed in RZC 21.08.170(B) for this district are:

	Requirement	Proposed
Average Lot Size:	7,000 square feet	5,992 square feet *
Minimum Lot Width Circle:	40 feet	40 feet
Minimum Lot Frontage:	20 feet	20 feet
Front Setback:	15 feet	15 feet
Side/Interior Setback:	5 feet/10 feet	5 feet/10 feet
Side Street Setback:	15 feet	15 feet
Rear Setback:	10 feet	10 feet
Minimum Building Separation	15 feet	15 feet
Maximum Lot Coverage (for structures):	35 percent	35 percent
Maximum Impervious Surface Area:	60 percent	60 percent
Minimum Open Space:	20 percent	20 percent
Maximum Height of Structures:	35 feet	35 feet

*see Green Building and Green Infrastructure Incentive program table below.

The proposal complies with all of the site requirements for the R-4 zone.

IV. Residential Architectural, Site and Landscape Design Standards

Variety and Visual Interest in Building and Site Design				
Code Citation	RZC 21.08.180	Complies	Complies as conditioned	Applies at Building Permit
	Variety in Building Design			X
	Variety in Site Design			X

Building Orientation				
Code Citation	RZC 21.08.180	Complies	Complies as conditioned	Applies at Building Permit
	Arterial Setbacks	N/A		
	Garage Placement			X
	Garage Doors			X
	Transition Area			X
	Alleys	N/A		
Building Character, Proportionality and Massing				
Code Citation	RZC 21.08.180	Complies	Complies as conditioned	Applies at Building Permit
	Modulation and Articulation			X
	Consideration of Site Conditions			X
	Open Space	X		
Landscaping				
Code Citation	RZC 21.08.180	Complies	Complies as conditioned	Applies at Building Permit
	Landscaping Plan	X		
	Landscape Transition			X
	Stormwater Detention	X		
Streets and Pathways				
Code Citation	RZC 21.08.180	Complies	Complies as conditioned	Applies at Building Permit
	Design Criteria	X		

The proposal complies with all of the residential development and architectural, site and landscape design regulations for the R-4 zone.

V. Neighborhood Regulations

The site is located within the North Redmond Neighborhood. The following table shows the project's compliance with the applicable neighborhood regulations.

Neighborhood: Willows/Rosehill				
Code Citation	RZC 21.08.180	Complies	Complies as conditioned	Applies at Building Permit

Arterial Setbacks	X		X
Building Height			X
Low Impact Development			X
Tree Preservation		X	
Vegetation for Common Areas		X	
Street Trees		X	
Vegetated Treatments		X	
Access to Wedge Subarea		N/A	
Multiplex Housing		N/A	
Applicability: Proposal includes two; unit attached dwelling units.		N/A	
Density	X		
Minimum lot size and lot division	X		
Design	X		
Affordable housing exception	X		
Location Criteria	X		

The proposal complies with all of the neighborhood regulations for the R-4 zone.

VI. Green Building and Green Infrastructure Incentive Program

The Green Building and Green Infrastructure incentive program, RZC 21.08.330, provides incentives to implement green building and green infrastructure development techniques in residential developments by encouraging applicants to reduce impacts from proposed development. This section established a list of sustainable development techniques for which points are awarded and the incentives toward which points may be utilized. A list of sustainable development techniques and incentives utilized by the proposal to obtain modifications to development standards are listed in the table below.

Technique	Points Awarded – Residential Development	Points Awarded – Non-Residential Development
4. 30% native vegetation retention	2	N/A

Incentive	Points Required – Residential Development	Points Required – Non-Residential Development
5. Lot size reduction 15 percent	2	N/A

VII. Public Notice and Comment

Requirements for public notice are contained in RZC 21.76.080.

Notice of Application: The Notice of Application for this proposal was published on 06/09/2015. The notice was posted at City Hall, the Redmond Regional Library, and 2 notice signs were posted on the property. Notice was also mailed to property owners within 500 feet of the site (Attachment 9, Notice of Application and Certificate of Posting).

Public Input: During the public comment period for the Notice of Application, the City received [6 written comments]. The concerns were related to the following issues:

1. That the public utility easement for a sewer connection that the Terrene 132nd Subdivision is proposing, cannot and was not intended to support the capacity of more than three additional homes.
2. The disruption during construction to connect the sewer line. Specifically that adjacent cottage owner's yards and driveways that are within the easement may be dug up in-order to complete the sewer connection.
3. Additional traffic congestion along 132nd Avenue due to the new subdivision.
4. The removal of a large quantity of mature trees that will be replaced with significantly smaller and younger trees. Additional, comments reference concerns for the displacement of birds and animals during construction due to noise and tree removal.

(Attachment 24, Notice of Application Public Comment Letters).

Notice of SEPA Threshold Determination: The Notice of Application for the Determination of Non-Significance (DNS) for this project will be issued in conjunction with the Notice of decision per the Option DNS process.

Notice of Public Hearing: The Notice of Public Hearing for this project was posed on the site, at City Hall, and at the Redmond Regional Library on July 13th, 2014. The notice was also mailed to property owners within 500 feet of the site and to individuals who provided written correspondence to the City on the same date. The notice was also included in a one-time newspaper publication (Attachment 11, Notice of Public Hearing and Certificates of Posting).

VIII. State Environmental Policy Act

The Optional DNS process was used for this project. The State Environmental Policy Act (SEPA) requires applicants to disclose potential impacts to the environment as a result of their project. The Environmental Checklist submitted by the applicant adequately discloses anticipated environmental impacts as a result of

this project. City of Redmond codes and regulations; including those contained within the Zoning Code, Street and Sidewalks, Water and Sewer, and Building and Construction Codes adequately mitigate for these anticipated environmental impacts. Therefore, a Determination of Non-Significance (DNS) is the appropriate threshold determination for this project.

IX. Compliance with Development Regulations

A. Landscaping

The Redmond Zoning Code (RZC 21.08.180) requires that for new subdivisions, short subdivisions, and other residential developments, landscaping shall be provided along the perimeter of the site that incorporates native vegetation and softens the transition between new and existing dwelling units when the new dwellings are directly adjacent to lots with existing dwellings or the dwellings can be viewed from public streets or park areas.

Finding: The proposal includes perimeter and interior landscaping, including a landscape buffer along the site's west, north and south boundaries, which are partially adjacent to existing single-family homes (north and south) and 132nd Ave NE (west); thereby providing for adequate buffering and landscaping. The east boundary of the property consists of an open space area which includes the majority of retained trees in a tract and is densely forested. The proposal also includes an active recreational open space tract located towards the south-east end of the site, which includes amenities such as open lawn area. Additionally, where buildings do abut the property line they will orient toward the internal road. The proposal also includes the provision of 294 replacement trees and 199 retained trees within the site.

B. Tree Protection

The Redmond Zoning Code (RZC 21.72) requires that all healthy landmark trees and 35 percent of all healthy significant trees be saved. Landmark trees are those trees that are greater than 30 inches in diameter at breast height. Significant trees are those trees that are between 6 inches and 30 inches in diameter at breast height. Tree health of the existing trees on the Terrene property was assessed in an arborist's report prepared by International Forestry dated December 3rd, 2014 (Attachment 16, Arborist Report). The arborist evaluated and determined that there are a total of 458 significant trees on the property, 28 of which meet the specification of a landmark tree.

Finding: The applicant is proposing to save 192 significant trees and 7 landmark trees on the site. This results in a saved tree percentage of 43.4 percent

(Attachment 12, Tree Preservation Plan). A majority of the trees to be preserved are located within Tract 999 which is a forested area. A health assessment of the trees has been performed by a certified arborist to assure that each retained tree is healthy.

The Redmond Zoning Code requires that all healthy landmark trees be saved. Where landmark trees cannot be saved, the RZC requires that the applicant demonstrate that there is not a practicable alternative to save landmark trees and that mitigation will occur to replace the functions and values associated with the landmark trees.

Finding: The applicant is proposing to remove 20 landmark trees and impact one landmark tree located within the development area. The landmark trees to be removed are located in areas where road infrastructure or building pad area precludes their ability to be saved. An exception to the RZC requirements to allow removal of the 20 landmark trees and impact one has been reviewed for each individual landmark tree and granted by the Director of Planning and Community Development. See Attachment 18 for approval of Tree Exception request.

C. Critical Areas

Section 21.64 of the Redmond Zoning Code contains standards, guidelines, criteria, and requirements intended to identify, analyze, preserve, and mitigate potential impacts to the City's critical areas and to enhance and restore degraded resources such as wetlands, riparian stream corridors or habitat, where possible.

A report prepared by Wetland Resources (Attachment 13, Critical Areas Report and Mitigation Plan) documents that there were on-site critical areas. The report indicates that no wetlands or streams were found onsite.

The Terrene property has a steep slope located at the most eastern side of the property. The steep slope area and its buffer will be held in common as a private protected tract and will remain undisturbed and unimpacted by development.

D. Affordable Housing

The Affordable Housing requirements of RZC 21.20 apply to all new single-family attached and detached dwelling units within the Willows/Rosehill Neighborhood. The required number of affordable housing units on a site is 10 percent of the proposed dwelling units on site, or 2 units.

Finding: The Terrene 132nd Preliminary plat is required to provide two affordable housing units; this would provide them with two bonus market rate units, which they are utilizing to achieve the proposed project density.

E. Noise Standards

RMC Section 6.36 Noise Standards regulates noise levels applicable to residential development within the City. All new subdivisions within 100 feet of an arterial with an existing or projected traffic volume of 20,000 or more average daily trips (ADT) are subject to the noise attenuation requirements of the code. The applicant shall include sound attenuation measures in the site and/or structure design.

Conclusion: 132nd Ave NE Street is designated as a local connector and; therefore, a noise study is not required.

F. Preliminary Plat, Type III Decision Criteria

Each proposed subdivision shall be reviewed to insure that (RZC 21.74.030(B)):

1. The proposal conforms to the goals, policies and plans set forth in Redmond Comprehensive Plan.

Response: The Terrene 132nd Subdivision is located within the Willows/Rosehill Neighborhood, as identified in the Redmond Comprehensive Plan, Map NP-1. The applicable City-wide and Neighborhood specific Comprehensive Plan policies are met by this proposal.

2. The proposal conforms to the site requirements set forth in RZC 21.08.170(B) (Residential Zone Summaries).

Response: The proposal conforms to the site requirements set forth in RZC 21.08.170(B). See Section III of this report.

3. The proposal conforms to the requirements of this section and those set forth in RZC 21.74, RZC 21.76, and submittal requirements on file in the Planning Department.

Response: The proposal conforms to the applicable subdivision regulations and procedures (RZC 21.74.030(B) and 21.76.050). The subdivision application was deemed complete on May 26, 2015 and fulfilled all applicable submittal requirements on file with the Planning Department at the time of submittal.

4. The proposed street system conforms to the City of Redmond Arterial Street Plan and Neighborhood Street Plans, and is laid out in such a manner as to provide for the safe, orderly and efficient circulation of traffic.

Response: The proposal conforms to the Willows/Rosehill Neighborhood Plan in the Comprehensive Plan. The site will be accessed from 132nd Ave NE, a City of Kirkland street serving the surrounding neighborhood. Access to the site from 132nd Ave NE will not be shared with another development. The plat has been designed as to have one internal street, NE 110th Pl, all but three homes will access off of NE 159th Street, the three most north homes in the development will access from a private tract (Tract B) that gains access from NE 159th. Street frontage improvements are required along 132nd Ave NE Street will meet the construction requirements as defined and approved by the City of Kirkland.

5. The proposed preliminary subdivision will be adequately served with City approved water and sewer, and other utilities appropriate to the nature of the short subdivision.

Response: The proposed preliminary subdivision will be adequately served with City approved water and sewer facilities, and other appropriate utilities as demonstrated on the approved plan set.

6. The proposed preliminary subdivision will be adequately served with parks, recreation and playgrounds appropriate to the nature of the subdivision.

Response: The proposed preliminary subdivision will be adequately served with City approved parks, recreation, playgrounds and open-space as demonstrated on the approved plan set. The proposal sets aside approximately 52% in open space areas and provides recreational opportunities within open space Tract 998.

7. The proposed preliminary subdivision will be adequately served with City approved schools and school grounds appropriate to the nature of the short subdivision.

Response: The proposed preliminary subdivision will be conditioned to pay school impact fees prior to building permit issuance.

8. The proposed preliminary subdivision will be adequately served with City approved sidewalks and safe walking conditions for students who walk to and from school appropriate to the nature of the short subdivision.

Response: The proposed preliminary subdivision will be conditioned to provide and construct a safe walking route from the development for students who walk to and from school.

9. The layout of lots, and their size and dimensions take into account topography and vegetation on the site in order that buildings may be reasonably sited, and that the least disruption of the site, topography and vegetation will result from development of the lots.

Response: The layout of the lots, and their size and dimensions take into account the topography and vegetation on the site in order that structures may be reasonably sited with the least disruption of the site.

10. Identified hazards and limitations to development have been considered in the design of streets and lot layout to assure street and building sites are on geologically stable soil considering the stress and loads to which the soil may be subjected.

Response: The Environmental Checklist and the Critical Areas Report provided information related to hazards and limitation to development such as steep slopes. The proposal makes provisions for consideration of the steep slope hazard and limitations for site development. The steep slope area is to be preserved in a Tract (999).

X. Code Deviations Granted

The Technical Committee has granted the following deviations to the development standards through the authority referenced.

- 1.) Tree Exception Request Approval granted on April 20, 2015 to impact one landmark tree and remove 20 landmark trees from the project site.

XI. Conclusions and Recommendations

The Technical Committee has conducted its various reviews on this proposal, including ensuring compliance with the Redmond Zoning Code, Redmond Comprehensive Plan, Redmond Municipal Code and State Environmental Policy Act. The Technical Committee is requesting that the Hearing Examiner **approve the Terrene 132nd Preliminary Plat, Type III subject to conditions** listed in Section XII.

This **Preliminary Plat, Type III** is vested to the regulations in effect upon the submission of a complete building permit for the proposal unless the building permit is cancelled or expires (RZC 21.76.050B).

XII. Recommended Conditions of Approval

A. Site Specific Conditions of Approval

The following table identifies those materials that are approved with conditions as part of this decision.

Item	Date Received	Notes
Plan Set, pages 1-6	06/05/2015	<i>and as conditioned herein.</i>
SEPA Checklist	05/26/2015	<i>and as conditioned herein and as conditioned by the SEPA threshold determination at time of Notice of Decision.</i>
Conceptual Landscaping Plan	06/05/2015	<i>and as conditioned herein.</i>
Conceptual Lighting Plan	06/05/2015	<i>and as conditioned herein.</i>
Proposed Tree Retention Plan	06/05/2015	<i>and as conditioned herein.</i>
Certificate of Concurrency	05/26/2015	<i>and as conditioned herein.</i>
Stormwater Design	05/26/2015	<i>and as conditioned herein.</i>

The following conditions shall be reflected on the Civil Construction Drawings, unless otherwise noted:

Development Engineering - Transportation and Engineering

Reviewer: Andy Chow, P.E., Engineer

Phone: 425-556-2740

Email: kachow@redmond.gov

- a. **Easements and Dedications.** Easements and dedications shall be provided for City of Redmond review at the time of construction drawing approval and finalized for recording prior to issuance of a building permit. The existing and proposed easements and right-of-way shall be shown on the civil plans. Prior to acceptance of the right(s) of way and/or easement(s) by the City, the developer will be required to remove or subordinate any existing private easements or rights that encumber the property to be dedicated.
 - i. Easements are required as follows:
 - (a) 10-foot wide sidewalk and utilities easement, granted to the City of Redmond, along all right-of-way including Road A.
 - (b) At the time of construction, additional easements may be required to accommodate the improvements as constructed.
 - ii. Dedications for right-of-way are required as follows:

- (a) New right-of-way lines joining at the intersection of 132nd AVE NE shall connect with a 25-foot radius, or with a chord that encompasses an equivalent area. The area formed by this radius or chord shall also be dedicated as right-of-way.
- (b) A strip of land 2-feet wide abutting the existing 132nd AVE NE street right-of-way to the City of Kirkland.
- (c) A strip of land 50-feet wide and cul-de-sac showing as Road A in Transportation Plan prepared by Blueline dated on 6/3/2015.

(Code Authority: RZC 21.52.030 (G); RMC 12.12)

- b. Construction Restoration.** In order to mitigate damage due to trenching and other work on 132nd AVE NE, the asphalt street shall be planed, overlaid, and/or patched, as determined by the Development Engineering Division.

(Code Authority: RMC 12.08; Redmond Standard Specifications and Details)

- c. Street Frontage Improvements**

- i. The frontage along 132nd AVE NE must meet current City of Kirkland Standards which include asphalt paving 22 feet from centerline to face of curb with appropriate tapers, type A-1 concrete curb and gutter, 4.5 feet wide planter strips, 5 feet wide concrete sidewalk, storm drainage, street lights, street trees, street signs and underground utilities including power and telecommunications. The minimum pavement section for the streets shall consist of:

- 4 inches HMA Class ½” PG 64-22
 - 5 inches Asphalt Pavement C1.E
 - Subgrade compacted to 95% compacted maximum density as determined by modified Proctor (ASTMD 1557)
 - Street crown 2% sloped to drain system

(Code Authority: RZC 21.52.030; 21.17.010 (F); RMC 12.12; RZC Appendix 3)

- ii. The frontage along Road A must meet current City Standards which include asphalt paving 14 feet from centerline to face of curb with appropriate tapers, type A-1 concrete curb and gutter, 5 feet wide planter strips, 5 feet wide concrete sidewalks, storm drainage, street lights, street trees, street signs and underground utilities including power and telecommunications. The minimum pavement section for the streets shall consist of:

- 7 inches HMA Class ½” PG 64-22
 - Subgrade compacted to 95% compacted maximum density as determined by modified Proctor (ASTMD 1557)
 - Street crown 2% sloped to drain system

(Code Authority: RZC 21.52.030; 21.17.010 (F); RMC 12.12; RZC Appendix 3)

- iii. A separate 40-scale channelization plan may be required for any public street being modified or constructed. The plan shall include the existing and proposed

signs, striping and street lighting and signal equipment for all streets adjacent to the site and within at least 150 feet of the site property line (both sides of the street). The plan shall conform to the requirements in the City of Redmond Standard Specifications and Details Manual. The project is located along a state route, therefore WSDOT approval of the channelization plan is also required.

(Code Authority: RZC 21.52.030 (F); RZC Appendix 3; Standard Specifications and Details Manual; RCW 47.24.020)

v. Sidewalks constructed to City standards are required at the following locations:

- 132nd AVE NE along frontages (City of Kirkland)
- Road A on both sides

(Code Authority: RZC 21.10.150; 21.17.010 (F); 21.17.010; RMC 12.12)

d. Access Improvements

i. The type and location of the proposed site accesses are approved as shown on the Terrene at 132nd AVE NE site plan prepared by Blueline.

(Code Authority: RZC 21.52.030 (E); Appendix 3)

ii. Direct access to 132nd AVE NE will not be permitted. This restriction shall be indicated on the face of the civil plans and other final documents.

(Code Authority: RZC 21.52.030 (E))

e. Underground Utilities. All existing aerial utilities shall be converted to underground along the street frontages and within the development. All new utilities serving the development shall be placed underground.

(Code Authority: RZC 21.17.020)

f. Street Lighting. Illumination of the street(s) along the property frontage must be analyzed to determine if it conforms to current City standards. Streetlights may be required to illuminate the property frontage. Luminaire spacing should be designed to meet the specified criteria for the applicable lamp size, luminaire height and roadway width. Contact Paul Cho, Transportation Operations at (425) 556-2751 with questions. The street lighting shall be designed using the criteria found in the City's Illumination Design Manual which can be accessed at:

<http://www.redmond.gov/ConnectingRedmond/resources/IllumManual.asp>

(Code Authority: RZC 21.52.030 (F); Appendix 3)

2. Development Engineering – Water and Sewer

Reviewer: Jim Streit, P.E., Sr. Utility Engineer

Phone: 425-556-2844

Email: jstreit@redmond.gov

- a. **Water Service.** Water service will require a developer extension of the City of Redmond water system as follows: install new 8-inch ductile iron water main in Road “A” as shown on the drawings prepared by the Blueline Group dated June 3, 2015. 1-inch diameter water meters are also to be installed for each new lot as shown on the drawings prepared by the Blueline Group dated June 3, 2015.
(Code Authority: RZC 21.17)
- b. **Sewer Service.** Sewer service will require a developer extension of the City of Redmond sewer system as follows: install new 8-inch diameter PVC sanitary sewer main in Road “A” and in 20-foot wide easements as shown on the drawings prepared by the Blueline Group dated June 3, 2015. One of the easements exists on the property to the north of this site and any work done in this area requires restoration to better or equal conditions that exist before work commences. Side sewers for each new lot will be connected to the new main as shown on the drawings prepared by the Blueline Group dated June 3, 2015. Lots 8 through 11 will require grinder pumps with individual force mains and gravity connections to the new main.
(Code Authority: RZC 21.17)
- c. **Easements.** Easements shall be provided for all water and sewer improvements as required in the Design Requirements for Water and Sewer System Extensions. Easements for the water and sewer mains shall be provided for City of Redmond review at the time of construction drawing approval. Offsite easements must be recorded prior to construction drawing approval.
(Code Authority: RZC Appendix 3)
- d. **Backflow Preventors:** Backflow preventors shall be used in the water supply system in accordance with City, State, and Federal requirements. (Code Authority: RMC 13.10)

3. Development Engineering – Stormwater/Clearing and Grading

Reviewer: Jeff Dendy, Senior Engineer

Phone: 425-556-2890

Email: jdendy@redmond.gov

- a. **Water Quantity Control:**

- i. Stormwater discharges shall match the developed discharge duration to the predeveloped duration for the range of predeveloped discharge rates from 50% of the 2-year peak flow up to the full 50-year flow. Detention shall be provided in a publicly maintained vault.
- ii. Provide for overflow routes through the site for the 100-year storm.
- iii. Limit to three lots sharing a common private conveyance pipe routing roof runoff to the municipal storm system.
- iv. Discharge from the storm detention vault will be an HDPE pipe staked to surface over the designated steep slope to an on-site dispersion system. The storm pipe routing will minimize disturbance to the steep slope.
- v. The project will contact the Olympic Pipeline Company to notify them of the proposed land use and construction. Address the requirements in RZC 21.26 Hazardous Liquid Pipelines for notification,
(Code Authority: RMC 15.24.080)

b. Water Quality Control

- i. Basic water quality treatment shall be provided in a publicly maintained wet vault. Treatment is required for the 6-month, 24 hour return period storm.

(Code Authority: RMC 15.24.080(2)(d))

- c. Easements.** Easements will be required for any public stormwater conveyance systems on private property. Easements shall be provided for City of Redmond review at the time of construction drawing approval and finalized for recording prior to issuance of a building permit or issuance of water meter or side sewer permits. The existing and proposed easements shall be shown on the civil plans. Prior to acceptance of the easement(s) by the City, the developer will be required to remove or subordinate any existing private easements or rights that encumber the property to be dedicated.

(Code Authority: RMC 15.24.080(2)(i))

d. Clearing and Grading.

A steep slope setback of 15 feet has been approved, as recommended by the project geotechnical engineer and upheld by an independent peer review. The storm vault lid will act as a turn-around location for the municipal vector truck. The storm vault lid shall support the weight of the loaded vector truck.

(Code Authority: RMC 15.24.080)

e. Temporary Erosion and Sediment Control (TESC).

- i. Rainy season work permitted October 1st through April 30th with an approved Wet Weather Plan.

(Code Authority: RMC 15.24.080)

- f. **Floodplain Management.** The project does not lie within a designated flood plain.
(Code Authority: RZC 21.64.010 and 20D.140.40)
- g. **Landscaping.** No project specific limitations.
(Code Authority: RZC 21.64.060 (C))
- h. **Department of Ecology Notice of Intent Construction Stormwater General Permit.** Notice of Intent (NIO) must be submitted to the Department of Ecology (DOE) at least 60 days prior to construction on a site that disturbs an area of one acre or larger. Additional information is available at: www.ecy.wa.gov/pubs/0710044.pdf.
(Code Authority: Department of Ecology Rule)

4. **Fire Department**

Reviewer: Scott Turner, Assistant Fire Marshal

Phone: 425-556-2273

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The current submittal is generally adequate for LAND-2014-02307 Approval, but does not fully represent compliance with all requirements. The following conditions are integral to the approval and shall be complied with in Civil Drawings, Building Permit Submittals, Fire Code Permit submittal, and/or other applicable processes:

- a. Site Plan Condition – Road A will be names and and all houses will receive addresses in the civil process.
- b. Fire Protection Plan - All houses shall be equipped with NFPA 13D sprinkler systems.

(Code Authority: RMC 15.06; RZC Appendix 3, RFD Standards, RFDD&CG)

5. **Planning Department**

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- a. **Street Trees.** The following street trees are required to be installed in accordance with RZC Section 21.32.090. The minimum size at installation is 2 ½ inch caliper.

Street	Species	Spacing
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NE 110 th Pl	Chanticleer Pear	30'
132 nd Ave NE	Autumn Brilliance	30'

(Code Authority: RZC 21.32.090)

- b. Tree Preservation Plan.** A Tree Preservation Plan depicting all significant and landmark trees required to be preserved as part of the site development must be provided with the civil construction drawings. A plan showing the location of preserved trees and containing protection language approved by the City shall be shown on the face of the deed or similar document and shall be recorded with the King County Department of Records and Elections.
(Code Authority: RZC 21.72.060 (D) (2))
- c. Cooperative Parking Agreement.** A Cooperative Parking Agreement must be submitted and approved prior issuance of any building permits for this project.
(Code Authority: RZC 21.40.010(F))
- d. Final Critical Areas Report.** A final Critical Areas Report must be submitted with the civil construction drawings or building permit if civil construction drawings are not required.
(Code Authority: RZC 21.63, Appendix 1)
- f. Critical Areas Recording.** The regulated critical area and its associated buffer(s) must be protected by an NGPE or placed in a separate tract where development is prohibited. Proof of recording must be submitted to the City prior to issuance of a Certificate of Occupancy on the site.
(Code Authority: RZC 21.64.010(L), 21.64.010(J); RMC 15.24.080(2)(i))
- g. Pedestrian Easement.** Applicant is required to provide a 20' access easement across the flag to lot 8 for future pedestrian connection to the Conover Cottages to the north.

B. Compliance with City of Redmond Codes and Standards

This approval is subject to all applicable City of Redmond codes and standards, including the following:

Transportation and Engineering

- RMC 6.36: Noise Standards
- RZC 21.52: Transportation Standards

RZC 21.40.010(E):	Design Requirements for Parking Facilities
RZC 21.54:	Utility Standards
RMC 12.08:	Street Repairs, Improvements & Alterations
RMC 12.12:	Required Improvements for Buildings and Development
RMC 12.16:	Highway Access Management
RZC 21.76.100(F)(9)(c)	Nonconforming Landscaping and Pedestrian System Area
RZC 21.76.020(G):	Site Construction Drawing Review
RZC 21.76.020(H)(6):	Preconstruction Conference
RZC 21.76.020(H)(7):	Performance Assurance
RZC Appendix 3:	Construction Specification and Design Standards for Streets and Access
City of Redmond:	Record Drawing Requirements, Version 10-2005 (2005)
City of Redmond:	Standard Specifications and Details (current edition)

Water and Sewer

RMC 13.04:	Sewage and Drainage
RMC 13.08:	Installing and Connecting Water Service
RMC 13.10:	Cross-Connection and Backflow Prevention
RZC 21.17.010:	Adequate Public Facilities and Services Required
RZC Appendix 4:	Design Requirements for Water and Wastewater System Extensions
City of Redmond:	Standard Specifications and Details (current edition)
City of Redmond:	Design Requirements: Water and Wastewater System Extensions - January 2000.

Stormwater/Clearing and Grading

RMC 15.24:	Clearing, Grading, and Storm Water Management
RZC21.64.060 (C):	Planting Standards
RZC 21.64.010:	Critical Areas
RZC 21.64.040:	Frequently Flooded Areas
RZC 21.64.050:	Critical Aquifer Recharge Areas
RZC 21.64.060:	Geologically Hazardous Areas
City of Redmond:	Standard Specifications and Details (current edition)
City of Redmond:	Stormwater Technical Notebook, Issue No. 5 (2007)
Department of Ecology:	Stormwater Management Manual for Western Washington (revised 2005)

Fire

RMC 15.06:	Fire Code
RZC Appendix 3:	Construction Specification and Design Standards for

City of Redmond: Streets and Access
City of Redmond: Fire Department Design and Construction Guide 5/6/97
City of Redmond: Fire Department Standards

Planning

RZC 21.58-21.62 Design Standards
RMC 3.10 Impact Fees
RZC 21.32, 21.72: Landscaping and Tree Protection
RZC 21.34: Exterior Lighting Standards
RMC 6.36: Noise Standards
RZC 21.40: Parking Standards
RCZ 21.64: Critical Areas
RZC 21.44: Signs
RZC Appendix 1: Critical Areas Reporting Requirements

Building

2012 International Building Codes (IBCs)
2012 Uniform Plumbing Code
2012 International Residential Code (IRC)