



# AGENDA

## PLANNING COMMISSION

### VIRTUAL/ELECTRONIC PUBLIC HEARING

Thursday, June 4, 2020  
7:00 p.m.

Held Remotely on Zoom  
<https://zoom.us/j/99003541655>

In an effort to curtail the spread of the COVID-19 virus, the Planning Commission meeting will take place online using the Zoom platform and the public will not be allowed to attend in-person. You may watch a live feed of the meeting online; join the meeting via Zoom Webinar; or listen to the meeting over the telephone.

The Planning Commission is providing opportunities for public comment by submitting written comment or calling into the meeting to provide oral public comment. To provide oral public comment you must sign-up by 6:30 p.m. the night of the meeting. Please see the information listed below to access all of these options:



[Click here to watch live streaming video of the Meeting on shorelinewa.gov](#)



Attend the Meeting via Zoom Webinar: <https://zoom.us/j/99003541655>



Call into the Live Meeting: (888) 475-4499 - Webinar ID: 990 0354 1655



[Click Here to Sign-Up to Provide Oral Testimony](#)

*Pre-registration is required by 6:30 p.m. the night of the meeting.*



[Click Here to Submit Written Public Comment](#)

*Written comments will be presented to Council and posted to the website if received by 4:00 p.m. the night of the meeting; otherwise they will be sent and posted the next day.*

	<u>Estimated Time</u>
1. CALL TO ORDER	7:00
2. ROLL CALL	7:01
3. APPROVAL OF AGENDA	7:02
4. APPROVAL OF MINUTES FROM:	7:03
a. <a href="#">May 7, 2020 Draft Minutes</a>	

#### Public Comment and Testimony at Planning Commission

*During General Public Comment, the Planning Commission will take public comment on any subject which is not specifically scheduled later on the agenda. During Public Hearings and Study Sessions, public testimony/comment occurs after initial questions by the Commission which follows the presentation of each staff report. Please be advised that each speaker's testimony is being recorded. Speakers are asked to sign-up by 6:30 p.m. the night of the meeting. Individuals wishing to speak to agenda items will be called to speak first, generally in the order in which they have signed. In all cases, speakers are asked to state their first and last name, and city of residence. The Chair has discretion to limit or extend time limitations and the number of people permitted to speak. Generally, individuals may speak for three minutes or less, depending on the number of people wishing to speak.*

*When representing the official position of an agency or City-recognized organization, a speaker will be given 5 minutes. Questions for staff will be directed to staff through the Commission.*

<b>5. GENERAL PUBLIC COMMENT</b>	7:05
<b>6. PUBLIC HEARING</b>	7:10
a. <a href="#"><u>Amendments to Floodplain Management, SMC Chapter 13.12</u></a>	
<b>7. STUDY ITEMS</b>	
a. <a href="#"><u>Community Renewal Area (CRA) Sign Code Update</u></a>	7:45
<b>8. DIRECTOR’S REPORT</b>	8:15
<b>9. UNFINISHED BUSINESS</b>	8:25
<b>10. NEW BUSINESS</b>	8:26
<b>11. REPORTS OF COMMITTEES &amp; COMMISSIONERS/ANNOUNCEMENTS</b>	8:27
<b>12. AGENDA FOR Next meeting – June 18, 2020</b>	8:28
<b>13. ADJOURNMENT</b>	8:30

*The Planning Commission meeting is wheelchair accessible. Any person requiring a disability accommodation should contact the City Clerk’s Office at 801-2230 in advance for more information. For TTY telephone service call 546-0457.*

**DRAFT**  
**CITY OF SHORELINE**

**SHORELINE PLANNING COMMISSION**  
**MINUTES OF VIRTUAL MEETING**

May 7, 2020  
7:00 P.M.

Shoreline City Hall  
Council Chamber

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**Commissioners Present**

Chair Mork  
Vice Chair Malek  
Commissioner Callahan  
Commissioner Galuska  
Commissioner Lin  
Commissioner Rwamashongye  
Commissioner Sager

**Staff Present**

Nora Gierloff, Planning Manager  
Andrew Bauer, Senior Planner  
Steve Szafran, Senior Planner  
Carla Hoekzema, Planning Commission Clerk

**CALL TO ORDER**

Chair Mork called the regular meeting of the Shoreline Planning Commission to order at 7:00 p.m.

**ROLL CALL**

Upon roll call by Ms. Hoekzema the following Commissioners were present: Chair Mork, Vice Chair Malek and Commissioners Callahan, Galuska, Lin, Rwamashongye, and Sager.

**APPROVAL OF AGENDA**

The agenda was accepted as presented.

**APPROVAL OF MINUTES**

The minutes of March 5, 2020 and April 16, 2020 were accepted as presented.

**GENERAL PUBLIC COMMENT**

There were no general public comments.

**STUDY ITEM: FLOODPLAIN MANAGEMENT AMENDMENTS**

Mr. Bauer explained that the fundamental purpose of the Floodplain Management Regulations is to protect people, property and the environment. The regulations work in conjunction with flood maps to regulate

development in the floodplain. The last substantive update to the City's floodplain regulations occurred in 2012. He further explained that updates are necessary to adopt the new flood maps that were issued by the Federal Emergency Management Agency (FEMA) and set to take affect on August 19<sup>th</sup>, as well as changes to meet the minimum requirements of the National Flood Insurance Program (NFIP), of which the City is a member. Failure to adopt the amendments by August 19<sup>th</sup> would result in the City being suspended from the NFIP, and property owners would no longer be able to purchase flood insurance.

Mr. Bauer advised that adopting the amendments would maintain the City's membership in the NFIP. There are approximately 110 properties in Shoreline with flood hazard areas mapped on them, and the map updates would not significantly expand or change the boundaries. The most significant changes are on the Puget Sound shoreline where there is now base flood elevation data, which did not previously exist.

Mr. Bauer reviewed that the City joined the NFIP in 1997, shortly after it was incorporated in 1995. The NFIP is a federal program that was established in 1968. The program is administered by FEMA and essentially allows property owners in member communities to purchase flood insurance. However, in order to be a member community, a City must adopt and enforce flood maps and regulations. FEMA issues the maps and sets out the minimum standards that must be adopted, but local jurisdictions can adopt more stringent standards if they choose. There are about 5 million policy holders in the NFIP nationwide, encompassing over 22,000 member communities.

Mr. Bauer explained that the NFIP consists of three components: mapping, regulations and insurance. Flood Insurance Rate Maps (FIRMS) are developed by FEMA in partnership with local jurisdictions. They map the flood hazard areas and identify different flood zones based on risk and whether flood elevations have been determined. Again, he said there are about 110 properties in Shoreline with mapped flood hazard areas, and they are primarily located on Puget Sound, Boeing Creek and Thornton Creek (Ronald Bog and Twin Ponds). In most instances, the properties don't have structures built within the flood hazard areas and all development within the flood hazard areas is subject to the floodplain regulations that are administered and enforced by the local jurisdictions. Shoreline's regulations are adopted in Shoreline Municipal Code (SMC) 13.12.

Mr. Bauer explained that floodplains are flood hazard locations where development is subject to the floodplain regulations, and it is important to think of them as natural features of the environment. They are connected to the natural water system with streams or shorelines and provide habitat for fish and wildlife. They also serve important functions such as slowing runoff by providing a place for water to go, and in that process, they filter and improve water quality.

Mr. Bauer displayed a graphic showing the different parts of a floodplain. The floodway (middle) is the stream channel and the adjacent area needed to move water during a flood. Development in the floodway is typically prohibited or regulated so that only minimal improvement is allowed. The flood fringes are the areas outside of the floodway where development is allowed. However, development is subject to flood protection requirements such as being elevated above the base flood level. The Base Flood Elevation (BFE) is the level that floodwaters are anticipated to rise. The BFE is typically determined on the FIRMS, and sets the elevation at which new development must be built to. In Shoreline, the regulations require that certain types of development, such as residential structures, be at least 1 foot above the BFE.

Mr. Bauer emphasized that any development in the floodplain must meet flood protection requirements. This includes flood proofing all structures. He shared examples of how the requirements would be applied in Shoreline. A zones are associated with streams or ponds. In A Zones, the finished living areas must be designed and built to be at least 1 foot above the BFE. Non-living areas, such as garages and storage areas, can be located below the BFE but must be designed so that floodwaters can freely flow through without impacting the structure's integrity. V and VE Zones are the coastal flood zones such as along the Puget Sound shoreline. Development in these zones requires that wave and wind action be taken into consideration. Most, if not all, of the residential structures on the Puget Sound in Shoreline are outside of the floodplain.

Mr. Bauer advised that the proposed updates are part of a countywide map update process that FEMA has been leading since 2013. The focus of the updates has been on the coastal areas, and the preliminary maps were shared with affected property owners in 2013-2014. During that time, outreach was conducted by FEMA with both the City and Department of Ecology (DOE) involved as partners. The coastal mapping areas were refined based on input from the City and affected property owners.

Again, Mr. Bauer advised that the updated FEMA maps will take effect on August 19<sup>th</sup>. FEMA issued a Final Letter of Final Determination in February, along with the pending maps. This initiated a 6-month timeline for cities to adopt new maps and compliant floodplain regulations.

Mr. Bauer shared the FIRM for the Puget Sound shoreline, noting that the VE zone is broken into smaller sections, and showing the BFEs for these areas is the most significant change to the maps. Previous to this update, there was no flood elevation information for the shoreline. Property owners wishing to develop in these areas had to hire a professional to determine the BFE and then build above that. Having clear BFEs will be beneficial to the City and the property owners, and provide an additional level of clarity.

Mr. Bauer referred to the Ronald Bog, Thornton Creek Watershed and Boeing Creek areas, which would remain unchanged on the map. Ronald Bog and Thornton Creek are identified as AE zones, with BFEs determined. There are a few existing structures in areas within Ronald Bog that would be subject to the more stringent floodplain development requirements, but he is not aware of any impacts to structures in the Boeing Creek area.

Mr. Bauer also referred to the Richmond Beach area, which was the focus of the 2013-2014 study. The mapping reflects the analysis and study that went into the area and incorporates the changes that were requested by the City and property owners. He noted that the yellow areas along the coastline would not be subject to the floodplain development permit, but the blue areas would be. All the houses are located outside of the floodplain areas. He reviewed that the proposed amendments:

- Would adopt the new flood maps (FIRMS).
- Would apply the regulations everywhere within the flood hazard areas.
- Would adopt the minimum standards from the statewide model ordinance that was developed by FEMA and the DOE. The minimum standards ensure continued membership in the NFIP.
- Would continue to require development in flood hazard areas to be elevated to at least 1 foot above the BFE.
- Would not change the existing floodplain development permit process.

- Would clarify when a habitat assessment is required to ensure compliance with the Endangered Species Act.
- Would fix existing inconsistencies and clarify the permit process for applicants.

Mr. Bauer said it is important to note that, in many instances, the regulations overlap with other environmental protections, such as the Critical Areas Regulations and Shoreline Management Act, which both require development to stay outside of flood hazard areas. Again, he said most structures in Shoreline are located outside of the flood hazard areas.

Mr. Bauer observed that a lot of time has passed since the stakeholder outreach the City participated in with FEMA and the DOE in 2013-2014. The City is now in the process of adopting the maps and updating its regulations, and a broader notification of the changes was sent to all properties that have a mapped flood hazard area. A separate notification will be provided for the public hearing, which is tentatively set for June 4<sup>th</sup>. The Commission could potentially issue a recommendation to the City Council on June 4<sup>th</sup>, as well. The amendments could then be presented to the City Council for final action in July. It is important that the amendments are adopted before the August deadline to ensure that property owners in the City can continue to purchase flood insurance.

Commissioner Lin asked if the BFE would be set at the 100-year-flood level regardless of whether the flood hazard area is a stream, pond or coastal shoreline. Mr. Bauer answered affirmatively. Commissioner Lin observed that the flood risk area was adjusted on the new map. She asked if the City would be required to update the buffer zones, as well. Mr. Bauer answered that floodplains don't have any buffer or setback requirements. However, the Shoreline Management Act and Critical Areas Regulations would still apply. If a floodplain exists within a stream buffer, the Critical Area Regulations would prohibit structures within that buffer. Commissioner Lin asked if the City has data on how many property owners currently purchase flood insurance. Mr. Bauer answered that he doesn't have that information, but he is sure that FEMA does.

Commissioner Rwamashongye voiced concern about using elevation as a parameter since elevation can be changed by adding backfill. Mr. Bauer agreed there may be circumstances within the regulations where backfill might be allowed. However, when filling within a floodplain, developers are often required to provide compensatory flood capacity storage elsewhere. In addition, overlapping regulations would likely restrict backfill in buffer areas. Commissioner Rwamashongye asked if the City requires developers to provide contour maps. Mr. Bauer answered that elevation information is required as part of a Floodplain Development Permit. Commissioner Rwamashongye said his interpretation of the 100-year-flood is that if such an event were to occur, it would create a lot of damage to the area.

Commissioner Callahan asked if current property owners in affected areas are required to disclose that a property is located in a floodplain at the time it is sold. Mr. Bauer said the FIRMS are used by lenders and insurers to identify risk and insurance requirements. In addition, he would hope that floodplain information would come up during the purchase and sale process, as well as part of a buyer's due diligence. Sellers also fill out disclosure forms.

Commissioner Galuska asked if any of the proposed amendments vary greatly from the FEMA model ordinance. Mr. Bauer said the proposed amendments closely align with the model ordinance. The most

significant change is clarifying inconsistencies with the habitat assessment requirement, which was likely an oversight when the regulations were initially adopted.

Commissioner Sager asked if any of the 110 properties impacted by the amendment are currently undeveloped or have the potential for subdividing. Mr. Bauer said he didn't do that level of analysis on the properties, but it is likely that some are undeveloped. However, he emphasized that the Critical Areas Regulations and Shoreline Management Act requirements would place constraints on development.

Commissioner Sager suggested that additional clarification should be provided for the term "mean sea level." Mr. Bauer agreed to research the matter and provide clarification as needed.

Vice Chair Malek observed that there is a fair amount of topography and other development constraints on the properties near Twin Ponds and the 145<sup>th</sup> Street Station, yet that is where a lot of the density for the station area is intended to occur. He requested feedback about how many of the floodplain parcels are located in the MUR-70', MUR-45' and MUR-35' zones. He also observed that Point Wells is located within the mean tide area, which is one of the issues the judge took with Blue Square Real Estate's proposed project. If the Town of Woodway decides not to annex the Point Wells property, there was talk that Shoreline may do so. Mr. Bauer agreed to overlay the two station areas with the FIRM to ensure the regulations do not conflict with the City's land use vision for concentrating growth. He also agreed to check whether the Snohomish County maps have been published by FEMA, noting that the maps would go into effect regardless of whether Snohomish County or Woodway is participating in the NFIP.

Chair Mork asked if the property owners within the 500-year-flood area have been notified by the City. Mr. Bauer said he thought that notification was sent out, but he agreed to double check to make sure. Chair Mork asked if the City has a stance on climate change in relationship to the FIRM. Mr. Bauer said his understanding is that the modeling and analysis that goes into developing the BFEs, specifically along the coastline, takes sea level rise into consideration. He agreed to seek additional information from FEMA and report back at the next meeting.

Chair Mork summarized that the next step is a public hearing before the Planning Commission on June 4<sup>th</sup>. Mr. Bauer advised that staff would bring back a formal recommendation on the amendments as currently drafted. Following the public hearing, the Planning Commission will be asked to issue a recommendation to the City Council.

#### **STUDY ITEM: PLANNING COMMISSION'S ANNUAL REPORT TO CITY COUNCIL**

Mr. Szafran explained that, every year, the Planning Commission submits an annual letter to inform the City Council of its previous year's achievements and accomplishments. It also provides an outline of the Commission's anticipated 2020 Work Plan. Typically, the Commission meets jointly with the City Council. The joint meeting is tentatively scheduled for June 8<sup>th</sup>, and will likely be held via zoom.

Mr. Szafran reviewed that the Commission last met with the City Council in February 2019. Since that time, the Commission has accomplished a number of projects, including the 2019 Comprehensive Plan Amendments, Townhome Design Standards, Shoreline Place Development Agreement, Shoreline

Management Plan Update, and Master Development Plan/Special Use Permit Development Code Amendments.

Mr. Szafran reviewed that the Commission's 2020 Workplan includes the Housing Action Plan, Ground-Floor Commercial Development Code Amendments, 2020 Batch of General Development Code Amendments and Floodplain Amendments. He reminded them that there was not a batch of 2019 General Development Code Amendments, so the 2020 list will be quite large. While most will be small administrative fixes and clarifications, there will be a few big policy questions, as well.

Mr. Szafran referred to the draft letter and invited the Commissioners to provide feedback. Staff will update the letter and bring it back to the Commission for final review on June 4<sup>th</sup> prior to the joint meeting with the City Council on June 8<sup>th</sup>.

Vice Chair Malek commented that the Commission also worked on some Development Code amendments in 2019. Mr. Szafran said the Commission worked on amendments related to Professional Office Uses and Master Development Plan Special Use Permits. However, there wasn't a batch of general Development Code amendments. Vice Chair Malek recalled that the Commission spent substantial time on the Professional Office amendment, and it should be included on the list of 2019 accomplishments. Mr. Szafran suggested it could also be included in the 2020 Workplan since the Commission hasn't yet conducted a public hearing and forwarded a recommendation to the City Council. The Commissioners agreed to include the Professional Office Use amendments on both lists.

Chair Mork advised that the Commission amended its bylaws in 2019 at the request of the City Council.

Commissioner Lin asked what happened to the items that were included on the Commission's 2019 Workplan but were not accomplished. Mr. Szafran said they could be added to the 2020 Workplan as appropriate. He reminded them that the City Council will look at the 2020 Workplan and provide feedback on what they view as priorities.

Commissioner Rwamashongye acknowledged Ms. Gierloff for providing a link to the class related to housing. Ms. Gierloff advised that the class leads into the Housing Action Plan, which the Commission will be working on in 2020.

Ms. Gierloff suggested that the Community Redevelopment Area Sign Code Update should be added to the 2020 Workplan. She reminded them that a placeholder sign code was adopted when Shoreline Place was designated a Community Redevelopment Area. As staff has worked with the developer, it has become apparent that the sign code doesn't address all of the different types of buildings they hope to see on the site. Staff will continue to work with property owners to create a more defined sign code that will better meet the needs of the businesses and residential units.

Ms. Gierloff said the Landscape Conservation and Local Infrastructure Program (LCLIP) is a tax-incentive program that enables local jurisdictions to potentially recoup part of the County's portion of property taxes. The program involves the Transfer of Development Rights (TDR) where the City accepts greater density and sells the density units to developers. In exchange the County uses the money to purchase conservation easements on lands beyond the development boundary. The intent is to concentrate



development where infrastructure already exists, and the program allows local jurisdictions to recoup some of the County's property tax revenue to enhance infrastructure in the area receiving additional growth. If the City Council decides to pursue the option, it may come before the Commission for consideration. Mr. Szafran added that participating in the LCLIP will require a cumbersome process, and the City may need to provide incentives for developers to take advantage of it.

Ms. Gierloff advised that staff is currently reviewing to determine whether the City's current regulations meet the new Federal Communication Commission's new requirements for cell towers. If tweaks are needed, they will be brought before the Commission for review and a recommendation to the City Council.

Commissioner Callahan requested an update on the City's sidewalk program. Ms. Gierloff responded that the City issued a bond to implement a list of sidewalk improvements, which are still in progress. The Transportation Improvement Program also addresses sidewalks. Whether there will be additional funding for sidewalks is an open question at this time.

Vice Chair Malek questioned what impact the Covid-19 pandemic will have on funding for transportation improvements and commercial construction. He suggested that, throughout 2020, the Commission should communicate more actively with the Economic Development Manager and Public Works Director to identify and discuss the impacts. Chair Mork agreed.

Chair Mork noted that the City of Seattle recently closed down 20 miles of streets to enhance pedestrian and bicycle access, and Bellevue is also closing streets. She noted that the Commission had previously requested a discussion and/or study about walkability, neighborhood design and neighborhood character. It was on the 2019 Workplan but was not accomplished, and she suggested it should be added to the 2020 Workplan. Ms. Gierloff said the Economic Development Manager is currently working on a project with students from the Evans School to look at a narrower focus of walkability and street connectivity in the station areas. The students are preparing a set of recommendations for creating a better street grid and improving walkability as larger properties are redeveloped. She suggested that perhaps it would be helpful for the Economic Development Manager to report on their progress. Chair Mork agreed it is important to address walkability and street connectivity in the station areas, but they should also have a citywide discussion. She asked that it be added to the 2020 Workplan. Vice Chair Malek agreed. If a plan is in place, whether it is funded or not, it could become a topic of discussion with development agreements as some of the larger projects start to emerge.

Commissioner Lin recalled that including a discussion about walkability, neighborhood design and neighborhood character in the 2019 Workplan was based on the idea of creating communities that directly relate to healthy communities. She expressed her belief that the issue has become a lot more urgent as a result of the current Covid-19 pandemic. She agreed it should be added to the 2020 Workplan.

Mr. Szafran agreed to update the letter to the City Council based on the Commission's feedback. The Commissioners agreed that the letter, once updated, could be signed by Chair Mork and forwarded to the City Council.

## **DIRECTOR'S REPORT**

**DRAFT**

Ms. Gierloff provided a brief update on how the City is reacting to issues related to the Covid-19 pandemic. The City is doing its best to follow the Governor's orders and the recommendations of the Center for Disease Control (CDC) and King County Health Department. At the same time, they are working to identify the services the City can provide in a safe manner. City Hall is closed to the public, with a lobby attendant during the day. Anyone who enters the work place is required to fill out a daily health check. Staff is primarily working from home, and they are trying to minimize the number of interactions. Most of the summer events have been cancelled, but the Parks Department is researching creative alternatives that create community spirit. There will be a much-reduced summer program, as they know that emergency workers and first responders need the childcare that is provided. They are now considering what Phase 2 of the Governor's plan might look like for the City.

Ms. Gierloff said the Planning and Community Development Department has been processing permits and doing what it can to keep projects going behind the scenes, and they are considering options for making that broader. The Governor recently allowed more construction to take place, so projects that existed before the order was in place can move forward as long as there is a plan in place for doing so safely. The department has been performing inspections throughout the lockdown, as some essential projects have continued. There are protocols in place and personal protective equipment is provided for inspectors to ensure employee safety. Contractors are asked to pull their workers out of the area the inspector will be visiting, and inspectors can refuse if the necessary protocols are not in place. The department will not be inspecting inhabited spaces, but they have asked for video inspections in some cases. Staff will continue to adjust as they learn more.

Ms. Gierloff reported that the City Manager issued a proclamation which tolls some of the expiration dates associated with permits. The days associated with the lockdown will be tacked on to the permit timeline, and this has satisfied many of the concerns raised by the development community. While City Hall is closed to the public, they are accepting smaller applications and drawings electronically, and they also accept applications via the mail. For large projects that require significant paperwork, they are allowing people to drop information off by appointment. So far, they have been able to come up with ways to keep business going.

Ms. Gierloff announced that a 200 to 500-unit apartment complex across the street from the 145<sup>th</sup> Street Station is in the pipeline, but no application has been submitted to date. A pre-application meeting for a 115-unit apartment complex at 152<sup>nd</sup> Street is also scheduled. Permits are coming in for the Vale II Project north of City Hall, which is a 215-unit apartment complex that will be a Deep Green Incentive Program contract. The 315-unit apartment complex project at 188<sup>th</sup> and Aurora Avenue North is also coming in for permits, as is a 227-unit apartment complex of all affordable housing on Ballinger.

Ms. Gierloff recalled the proposed Comprehensive Plan Amendment to require ground floor commercial development, and reminded them that the City Council decided to jump right into the issue of Development Agreements as a way to foster more ground floor commercial development. Mr. Szafran reviewed that the City Council determined that Phase I would look at certain high-impact nodes within the North City and Ridgecrest Neighborhoods where commercial uses could be incentivized and/or required when properties are redeveloped with multi-family residential buildings. Staff has set up a project page on the City's website and created a Survey Monkey survey. In addition, postcards were sent

to developers and residents in the North City and Ridgecrest Neighborhoods. Ms. Gierloff added that the survey is open until May 17<sup>th</sup>.

**UNFINISHED BUSINESS**

There was no unfinished business.

**NEW BUSINESS**

Chair Mork observed that, from time to time, the Commissioners receive questions from members of the public. As discussed previously by the Commission, she suggested it would be helpful if City staff could provide quarterly reports to the Planning Commission on issues such as the Sound Transit station development, planning-related economic development programs and projects, public works projects and studies, parks projects, and impacts and changes associated with the Covid-19 pandemic.

Vice Chair Malek suggested that quarterly reports could be added as a goal on the 2020 Workplan. The reports would help the Commissioners become better informed and align their efforts with the City Council's broader goals for Shoreline. The mission, vision and values of the Planning Commission and the City Council are the same. The more information they get, the more in tune the Commission can be in terms making recommendations. There will be budgetary issues related to the Covid-19 pandemic that the Commission needs to be aware of, and improving walkability in the City is also a big item.

Commissioner Lin agreed that adding quarterly reports as a goal on the 2020 Workplan would be appropriate. Commissioner Sager agreed that regular updates on a variety of topics are important. People in her neighborhood know she is a Planning Commissioner, and the quarterly report would provide her with information to respond to their questions and concerns.

Mr. Szafran agreed to add the quarterly progress reports to the letter as a goal in the 2020 Workplan. However, he asked for more guidance on how the reports would be presented to the Commission. Chair Mork observed that presentations take longer and may not always be the best use of the Commission's time. Written information would be another option. She suggested that the method of presentation could be decided on a case-by-case basis, depending on the type and amount of information that needs to be shared.

Vice Chair Malek suggested that staff could be invited to attend a Commission meeting to provide information and answer questions when there is overlap between the Planning and Community Development, Public Works and Economic Development Departments. Another option would be to form a subcommittee of Commissioners to gather information from staff and report back to the Commission.

Commissioner Rwamashongye agreed that regular updates would be helpful. However, in the interest of time, presentations should be short or even written reports with the exception of large project. For example, the Sound Transit project is a huge topic that involves not only station development, but plans for walkability, transit intersections, multimodal facilities, etc. The Commissioners need this added knowledge and the ability to see things from a complete perspective when providing recommendations to the City Council.

Chair Mork requested an update on the 137 trees that were initially proposed to be removed at Shoreline Place. Ms. Gierloff said the developer continues to look at alternative sidewalk designs, and the number of trees removed keeps going down.

Chair Mork observed that the Planning Commission has gotten off to a slow start in 2020, with the unexpected pandemic. She asked if staff is concerned that the Commission won't be able to accomplish everything on the schedule. Ms. Gierloff agreed that they are behind where they had hoped to be on a number of items, and there is a lot of interest in moving items forward. Staff is working to adjust the schedule to give the Commission enough time to do good work, but their agendas may be fuller in the future. Staff may even request an extra meeting to help clear the backlog.

Ms. Gierloff explained that for the Zoom meetings, staff tries to make information available to the public, but it isn't the same as an open public hearing. The Open Public Meetings Act requires that the public be physically able to attend meetings. While Governor Inslee has granted an exception to allow meetings via zoom, the topics must be limited to necessary and routine items. She is hoping that the Commission can start discussing more substantive topics and conducting public hearings again in June.

**REPORTS OF COMMITTEES AND COMMISSIONER ANNOUNCEMENTS**

There were no committee reports or Commissioner announcements.

**AGENDA FOR NEXT MEETING**

Ms. Gierloff suggested that the May 21<sup>st</sup> meeting should be cancelled as there were no items for the agenda.

**ADJOURNMENT**

The meeting was adjourned at 8:42 p.m.

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Laura Mork  
Chair, Planning Commission

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Carla Hoekzema  
Clerk, Planning Commission

Planning Commission Meeting Date: June 4, 2020

Agenda Item: 6a.

**PLANNING COMMISSION AGENDA ITEM**

CITY OF SHORELINE, WASHINGTON

**AGENDA TITLE:** Amendments to Floodplain Management, SMC Chapter 13.12  
**DEPARTMENT:** Planning & Community Development  
**PRESENTED BY:** Andrew Bauer, Senior Planner

- |   |   |   |
|---|---|---|
| <input checked="" type="checkbox"/> <b>Public Hearing X</b> | <input type="checkbox"/> <b>Study Session</b> | <input type="checkbox"/> <b>Recommendation Only</b> |
| <input type="checkbox"/> <b>Discussion</b>                  | <input type="checkbox"/> <b>Update</b>        | <input type="checkbox"/> <b>Other</b>               |

**INTRODUCTION**

At the May 7, 2020 Planning Commission meeting staff presented proposed amendments to Shoreline Municipal Code (SMC) 13.12, Floodplain Management. Amending the floodplain management regulations will adopt new Flood Insurance Rate Maps (FIRMs) issued by the Federal Emergency Management Agency (FEMA) and will ensure the City remains a participating community in the National Flood Insurance Program (NFIP), allowing residents and businesses to purchase flood insurance.

A public hearing is scheduled for the June 4, 2020 meeting to receive comment on the proposed amendments.

**BACKGROUND**

The Letter of Final Determination issued by FEMA on February 19, 2020 is the result of years of work to update FIRMs in King County. Through the nation-wide Risk MAP effort, FEMA is updating coastal FIRMs. King County was identified as a priority for update based on factors such as population at risk to hazards, recent events, and community interest. As such, the most substantive map changes within the City are along the Puget Sound shoreline.

Preliminary FIRMs for the City were first published in 2013. Outreach to affected properties and stakeholders was conducted to share the preliminary FIRMs and get input on them. City staff also worked closely with FEMA to ensure the best technical data was used in the mapping updates. Since 2013 the FIRMs have been refined and other areas of the county have had preliminary FIRMs released.

With the Letter of Final Determination now issued, the City has six-months to amend its floodplain management regulations to adopt the new FIRMs and meet the minimum standards to participate in the NFIP.

**National Flood Insurance Program**

Flooding is the most common natural disaster in the US, affecting nearly every community. To help minimize and mitigate the impacts of flooding, the NFIP was

**Approved By:** Project Manager \_\_\_\_\_ Planning Director \_\_\_\_\_

## 6a. Staff Report - Amendments to Floodplain Management

established by Congress in 1968 and been modified numerous times since its inception. FEMA is responsible for administering the NFIP.

The City of Shoreline became a NFIP member community in 1997. The NFIP is a voluntary federal program enabling property owners in participating communities to purchase flood insurance. In exchange, member communities must adopt and enforce minimum regulations developed by the NFIP intended to reduce flood damage. FEMA can only provide flood insurance to those communities that adopt and enforce floodplain management regulations that meet or exceed minimum NFIP requirements. There are approximately 5 million policyholders in more than 22,000 NFIP-participating communities.

The three components of the NFIP are:

- Flood risk mapping
- Floodplain management regulations
- Insurance

This report will discuss the first two components (flood risk mapping and flood management regulations) as they relate to the topic before the Planning Commission. More information about the NFIP can be found at [www.fema.gov/national-flood-insurance-program](http://www.fema.gov/national-flood-insurance-program).

### Flood Risk Mapping

FEMA works closely with NFIP-participating communities to identify flood hazards from riverine, coastal, ponding, lakes, and other flood sources using scientific and engineering modeling. Special Flood Hazard Areas (“flood hazard areas”) are then mapped on FIRMs. A FIRM is an official map that displays the flood hazard areas, zones within the hazard areas, and associated flood risks. FIRMs are used to inform floodplain management regulations as well as to convey risk to lenders, insurers, and property owners.

There are approximately 110 properties with mapped flood hazard areas in the City (100-year and 500-year floodplain). Flood hazard areas citywide are shown on **Attachment A** and are focused to the Puget Sound shoreline, Boeing Creek, and Thornton Creek (including Ronald Bog and Twin Ponds). The new FIRMs do not significantly expand the flood hazard areas but instead include more detail regarding base flood elevations. For example, the new FIRMs include base flood elevations for the coastal flood hazards on Puget Sound which means a property owner would no longer be responsible for conducting an independent study to determine the base flood elevation when one is needed.

### Floodplain Management Regulations

Floodplain management is a community-based effort to prevent or reduce the risk of current and future flooding, with the goal of establishing flood resiliency. Floodplain management includes a variety of functional areas within the City such as zoning, building, and code enforcement. FEMA has minimum floodplain management regulations for communities participating in the NFIP.

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The City's floodplain management regulations are adopted in Chapter 13.12 of the Shoreline Municipal Code (SMC). Amendments to SMC 13.12 are necessary to adopt the latest Flood Insurance Study and FIRMs, as well as to include the minimum necessary regulations required as a condition of participating in the NFIP. Failure to adopt the minimum regulations would result in the City being suspended from the NFIP.

### **FLOODPLAIN MANAGEMENT AMENDMENTS**

The City's floodplain management regulations are in SMC 13.12. The last substantive update to the regulations occurred in 2012. The Washington Department of Ecology (Ecology), in partnership with FEMA, has published a statewide "model ordinance" containing minimum floodplain management regulations and take into account the latest round of countywide FIRM updates effective August 19, 2020. City staff have worked closely with Ecology and FEMA to ensure the amendments comply with the minimum standards of the model ordinance. Failure to adopt the minimum standards would result in the City's suspension from the NFIP and subsequent inability by residents to purchase flood insurance.

The draft amendments to floodplain management regulations in **Attachment B** include the current regulations with new text shown in underline and removed text shown with strikethrough. Gray highlighted sections are those that have been relocated from another section and yellow highlights show revisions since the last draft presented at the May 7, 2020 meeting. The amendments:

- Include new and updated definitions for key terms;
- Include minimum flood protection standards for structures in coastal hazard areas (V zones);
- Include minimum flood protection standards for structures in all other hazard areas (A zones);
- Clarify that habitat assessments are not required for development outside the special flood hazard area;
- Maintain the requirement that most new structures are elevated at least one foot above the base flood elevation;
- Update the standards for recreational vehicles in the special flood hazard area to be consistent with existing Development Code provisions in SMC 20.40.495; and
- Maintain the existing Floodplain Development Permit review process.

### **Relationship to Other Regulations**

There are approximately 110 properties with mapped flood hazard areas within the City – generally focused to the Puget Sound shoreline, Boeing Creek, and Thornton Creek. These areas are also typically subject to other environmental protection regulations such as the Shoreline Master Program (SMC 20.240) and the Environmentally Critical Areas regulations (SMC 20.80). In many instances these existing environmental regulations work in conjunction with the floodplain management regulations to require protection to the environment, mitigation for impacts, and minimization of the potential for flood damage. Often, setback or buffer requirements associated with shorelines or critical area regulations will also force development outside of flood hazard areas.

## 6a. Staff Report - Amendments to Floodplain Management

### Planning Commission Questions

While staff responded to several questions from the Planning Commission at the May 7, 2020 meeting, some questions required additional research. Those requiring more research are summarized below followed by the response.

1. Clarify the appropriate vertical datum being used to determine the flood elevations. The definition of “mean sea level” in the regulations refer to “the vertical datum to which Base Flood Elevations shown on a community’s flood insurance rate map are referenced.” Meanwhile, the FIRMs reference the North American Vertical Datum 1988 (NAVD 1988) which is different than mean sea level.

**RESPONSE:** For purposes of the NFIP, the definition of “mean sea level” is referenced to NAVD 1988 because it is the vertical datum which the City’s FIRM is referenced. The NFIP does not use tidal datum.

2. Are any of the properties mapped in flood hazard areas in mixed use residential (MUR) zones?

**RESPONSE:** Staff overlaid the zoning (including future phased zoning) with the flood hazard areas. There is one property in the 145<sup>th</sup> Street station area zoned MUR-70' that contains a flood hazard area. The property is located at 14900 1<sup>st</sup> Ave NE and is the site of the Aegis Living Shoreline Assisted Living (see below). The current building was built in 2004 and is unlikely to be redeveloped in the near future. Associated with the flood hazard area is also a wetland which would prohibit development in the area of the floodplain.





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3. Were properties in the 500-year floodplain notified of the map and regulation updates?

RESPONSE: Yes, all properties that are mapped with any flood hazard area, including properties in the 500-year floodplain, have been included in the stakeholder notification.

4. Was sea level rise taken into consideration as part of the map updates on the FIRMs?

RESPONSE: According to Ecology, sea level rise is not currently considered when updates are made to FEMA flood studies and flood maps.

### ANALYSIS

Staff has prepared the draft floodplain management amendments (**Attachment B**) to be consistent with the minimum requirements to continue membership in the NFIP. The Shoreline Comprehensive Plan sets out goals and policies that are implemented through specific actions, plans, and regulations, such as the floodplain management regulations.

The amendments are consistent with the following goals and policies of the Comprehensive Plan:

- *Goal FG7: Conserve and protect our environment and natural resources, and encourage restoration, environmental education, and stewardship.*

The floodplain management regulations continue to protect flood hazard areas by prohibiting most activities within floodways and by regulating the way development occurs in areas with a 1% annual chance of flooding. The amendments also continue to require development activities within flood hazard areas to consider potential impacts to habitat. These regulations help protect natural floodplain functions which provide benefits such as habitat and water quality while also protecting people and property from harm during a flood event.

- *Goal FG8: Apply innovative and environmentally sensitive development practices.*

The regulations continue to require new development activities within flood hazard areas to consider impacts to habitat and to provide mitigation measures where necessary to develop in an environmentally sensitive manner.

- *Policy LU73: Maintain and enhance natural drainage systems to protect water quality, reduce public costs, protect property, and prevent environmental degradation.*

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The regulations require that new development (including utilities) within flood hazard areas be flood proofed in order to minimize risk to people and damage to property. Flood proofing also helps protect natural drainage by allowing flood waters to flow in their natural course.

- *Goal NEI: Minimize adverse impacts on the natural environment through leadership, policy, and regulation, and address impacts of past practices where feasible.*

The regulations require new development to meet the standards for flood proofing. They also continue to require that substantial improvements to existing structures be brought into compliance with current flood proofing standards.

- *Goal NEIII: Regulate land disturbances and development to conserve soil resources and protect people, property, and the environment from geologic hazards, such as steep slope, landslide, seismic, flood, or erosion hazard areas.*

One of the primary purposes of the regulations is to protect people and property from flood events by requiring new development and substantial improvements to existing development within flood hazard areas be flood proofed. Floodproofing also provides environmental benefits by helping maintain natural functions of floodplain areas.

- *Goal NEVI: Manage the stormwater system through the preservation of natural systems and structural solutions in order to:*
  - *Protect water quality;*
  - *Provide for public safety and services;*
  - *Preserve and enhance fish and wildlife habitat, and critical areas;*
  - *Maintain a hydrologic balance; and*
  - *Prevent property damage from flooding and erosion.*

Streams and their floodplain areas are usually integrated with the City's stormwater system. The regulations require new development and substantial improvements to existing development within flood hazard areas be flood proofed in order to minimize and prevent property damage from flood events.

- *Policy NE12: Seek to minimize risks to people and property in hazard areas through education and regulation.*

One of the primary purposes of the regulations is to minimize risks to people and property from flood events by requiring development within flood hazard areas to be flood proofed.

- *Policy NE32: Preserve and protect natural surface water storage sites, such as wetlands, aquifers, streams, and water bodies that help regulate surface flows and recharge groundwater.*

## **6a. Staff Report - Amendments to Floodplain Management**

The floodplain management regulations help to minimize impact to floodplains and maintain their ability to function as natural water storage sites which provide countless benefits for water quality and habitat.

### **Pros to Approval of Amendments**

At their core purpose, the amendments are intended to incorporate the latest standards to protect the general safety and welfare of people and minimize property damage during a flood event. If approved, the amendments would also maintain the City's membership in the NFIP which allows residents to purchase flood insurance.

The amendments also clarify that habitat assessments are not required for development occurring outside of flood hazard areas and implement standards for the flood risk designations on the FIRMs that will go into effect on August 19, 2020.

### **Cons to Approval of Amendments**

Like with any regulations, there can be an argument made that they do not go far enough, while some may argue they go too far. The amendments mostly include the minimum standards published by FEMA and Ecology as part of the statewide model ordinance. Cities have the option to adopt stricter requirements should they choose when there is a compelling reason to do so.

Likewise, the amendments include requirements for flood proofing structures which has a direct impact on how a property is improved and, in some instances, could increase project costs. However, failing to adopt the amendments would jeopardize the City's membership status in the NFIP.

### **STAKEHOLDER NOTIFICATION**

The preliminary FIRMs were first published in 2013. At that time, outreach to affected properties and stakeholders was conducted as part of a joint effort by FEMA, Ecology, and the City. As part of the outreach in 2013 FEMA facilitated a public meeting (with Ecology and City staff participating) with properties mapped in the coastal hazard areas (V zones).

Subsequent refinements to the preliminary FIRMs in 2014 were again shared with those properties directly affected in the coastal hazard areas.

There are approximately 110 properties mapped with a flood hazard area in the City. Notification to all property owners mapped within flood hazard areas has been provided to inform them of the amendments to the floodplain management regulations, the upcoming effective date for the new FIRMs, and the public hearing.

### **TIMING AND SCHEDULE**

The new FIRMs and floodplain management regulations must be adopted prior to August 19, 2020 for the City to remain a member in the NFIP. Provided the Planning Commission issues a recommendation at the June 4, 2020 meeting, the topic would be scheduled on the July 13, 2020 Council agenda and would be on track for potential adoption prior to the deadline on August 19<sup>th</sup>.

## **6a. Staff Report - Amendments to Floodplain Management**

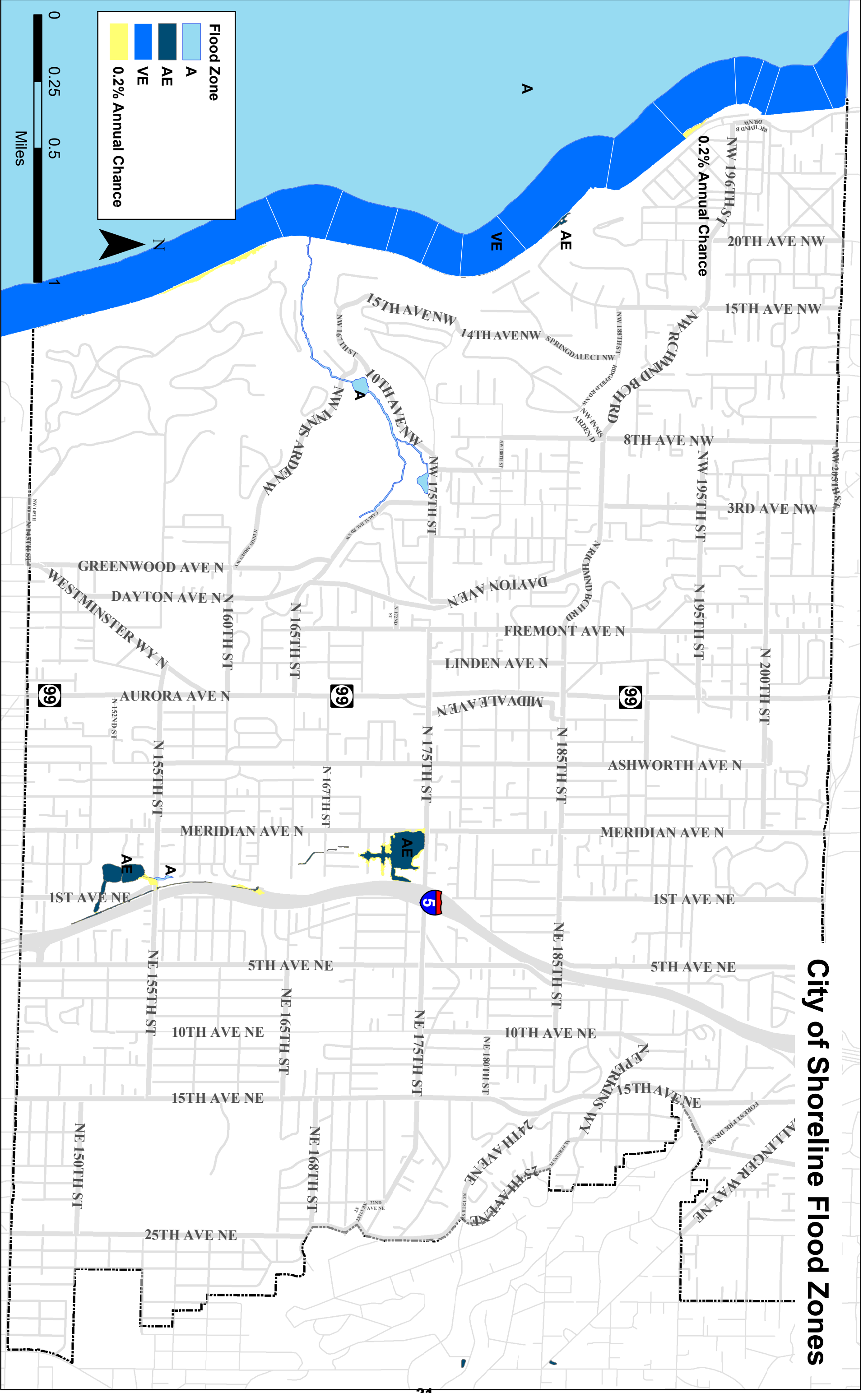
### **RECOMMENDATION**

Staff recommends the Planning Commission forward to Council a recommendation to approve the Floodplain Management amendments in **Attachment B**.

### **ATTACHMENTS**

Attachment A – City of Shoreline Floodplain Map

Attachment B – Floodplain Management Amendments (SMC 13.12)



**City of Shoreline Flood Zones**

Map Date: 4/23/2020

**PROPOSED AMENDMENTS:**

New text shown with underline

Removed text shown with ~~strikethrough~~

Gray highlighted text is existing, but relocated from another section

Yellow highlighted text shows revisions the last draft (4/28/2020)

**Chapter 13.12**

**FLOODPLAIN MANAGEMENT**

Sections:

- 13.12.100 General.
- 13.12.105 Definitions.
- 13.12.200 Floodplain administrator.
- 13.12.300 Regulatory data.
- 13.12.400 General development standards.
- 13.12.500 ~~Structure~~ Flood protection standards in all zones.
- 13.12.505 Flood protection standards in A and AE zones.
- 13.12.510 Flood protection standards in V zones.
- 13.12.600 Habitat protection standards.
- 13.12.700 Permits.
- 13.12.800 Administration.

**13.12.100 General.**

A. Findings of Fact.

1. The city of Shoreline has areas that are subject to periodic inundation and channel migration which result in loss of life and property, health and safety hazards, disruption of commerce and governmental services, extraordinary public expenditures for protection and relief from flooding and channel migration, and impairment of the tax base, all of which adversely affect the public health, safety, and general welfare.
2. When floodplains and watersheds are developed without appropriate care and precautions, flood heights, frequencies, and velocities increase, increasing threat to humans, damage to property, destruction of natural floodplain functions, and adverse impacts to water quality and habitat.
3. Rivers, streams, lakes, estuarine and marine areas, and their floodplains are major elements of healthy aquatic and riparian habitats and conveyance of floodwaters. If watersheds, rivers, streams, lakes, estuaries, floodplains, and other systems are not viewed holistically as biological and geomorphologic units, serious degradation of habitat and increased flood hazards to people and human development can increase.
4. Over the years, natural processes have evolved that manage floodwaters and channel flows in the most effective and efficient manner. Disruption of these processes by altering land cover, stream channels, wetlands, and other water bodies leads to increased flood hazards, loss of life and property, threats to public health, and loss of habitat.

B. Purpose. It is the purpose of this chapter to promote the public health, safety, and general welfare by managing development in order to:

1. Protect human life, health and property from the dangers of flooding;
2. Minimize the need for publicly funded and hazardous rescue efforts to save those who are isolated by floodwaters;
3. Minimize expenditure of public money for costly flood damage repair and flood control projects;
4. Minimize disruption of commerce and governmental services;
5. Minimize damage to public facilities and utilities such as water and gas mains, electric, telephone and sewer lines, streets, and bridges located in the floodplain;
6. Maintain a stable tax base by providing for the sound use of flood prone areas to minimize future flood blight areas;
7. Encourage those who occupy areas subject to flooding and channel migration to assume responsibility for their actions;
8. Qualify the city for participation in the National Flood Insurance Program, thereby giving citizens and businesses the opportunity to purchase flood insurance;
9. Maintain the quality of water in rivers, streams, lakes, estuaries, and marine areas and their floodplains so as to protect public water supplies, areas of the public trust, and wildlife habitat protected by the Endangered Species Act;
10. Retain the natural channel, shoreline, and floodplain creation processes and other natural floodplain functions that protect, create, and maintain habitat for threatened and endangered species;
11. Prevent or minimize loss of hydraulic, geomorphic, and ecological functions of floodplains and stream channels.

C. Applicability. This chapter shall apply to ~~the regulatory floodplain, which is comprised of the special flood hazard area and all protected areas~~ within the jurisdiction of the city of Shoreline as defined in SMC 13.12.105.

**13.12.105 Definitions.**

Unless specifically defined below, terms or phrases used in this chapter shall be interpreted so as to give them the meaning they have in common usage and to give this chapter its most reasonable application. The definitions in this section apply throughout this chapter unless the context clearly requires otherwise.

“Adversely affect” or “adverse effect” means an effect that is a direct or indirect result of the proposed action or its interrelated or interdependent actions and the effects are not discountable, insignificant or beneficial. A discountable effect is extremely unlikely to occur. An insignificant effect relates to the size of the impact and should never reach the scale where a take occurs. Based on best judgment, a person would not: (A) be able to meaningfully measure, detect, or evaluate an insignificant effect; or (B) expect a discountable effect to occur. See also definition of “beneficial effect” below.

“Appurtenant structure” means a structure which is on the same parcel of property as the principal structure to be insured and the use of which is incidental to the use of the principal structure.

“Base flood” means the flood having a one percent chance of being equaled or exceeded in any given year (also referred to as the “100-year flood”). The area subject to the base flood is the special flood hazard area designated on flood insurance rate maps as Zone “A” or “V” including AE, AO, AH, A1-99 and VE.

“Base flood elevation” means the elevation to which floodwater is anticipated to rise during of the base flood above the datum of the effective flood insurance rate map (FIRM).

“Basement” means any area of the structure having its floor subgrade (below ground level) on all sides.

“Beneficial effect” means a contemporaneous positive effect without any adverse effect. In the event that the overall effect of the proposed action is beneficial, but is also likely to cause some adverse effect, then the proposed action is considered to result in an adverse effect. See also definition of “adversely affect” above.

“Breakaway wall” means a wall that is not part of the structural support of the building and is intended through its design and construction to collapse under specific lateral loading forces, without causing damage to the elevated portion of the building or supporting foundation system.

“Channel migration zone” means the area within the lateral extent of likely stream channel movement due to a destabilization and erosion, rapid stream incision, aggradations, avulsions, and shifts in location of stream channels.

“Coastal high hazard area” means an area of special flood hazard extending from offshore to the inland limit of a primary frontal dune along an open coast and any other area subject to high velocity wave action from storms or seismic sources. The area is designated on the FIRM as zone V1-30, VE or V.

“Critical facility” means a facility necessary to protect the public health, safety, and welfare during a flood. Critical facilities include, but are not limited to, schools, nursing homes, hospitals, police, fire and emergency operations installations, water and wastewater treatment plants, electric power stations, and installations which produce, use, or store hazardous materials or hazardous waste (other than consumer products containing hazardous substances or hazardous waste intended for household use).

“Development” means for purposes of the National Flood Insurance Program, any constructed change to improved or unimproved real estate in the special flood hazard area ~~regulatory floodplain~~, including but not limited to buildings or other structures, mining, dredging, filling, grading, paving, excavation or drilling operations, storage of equipment or materials, subdivision of land, removal of more than five percent of the native vegetation on the property, or alteration of natural site characteristics.

“Director” means the planning and community development director or designee.

“Dry floodproofing” means any combination of structural and nonstructural measures that prevent floodwaters from entering a structure.

“Elevation certificate” means ~~an administrative tool of the most current version of the FEMA National Flood Insurance Program (NFIP) that can be used to provide elevation information form that documents the elevation of a structure within a special flood hazard area relative to the ground level so as to ensure compliance with this chapter,~~ to determine the proper flood insurance premium rate, and/or to support a request for a Letter of ~~m~~Map ~~a~~Amendment (LOMA) or a Letter of Map ~~r~~Revision based on fill (LOMR-F).

“ESA” means the Endangered Species Act.



“Federal Emergency Management Agency (FEMA)” means the agency responsible for administering the National Flood Insurance Program.

“FEMA” means Federal Emergency Management Agency.

“FIRM” means flood insurance rate map.

“Fish and wildlife habitat conservation area” means lands needed to maintain species in suitable habitats within their natural geographic distribution so that the habitat available is sufficient to support viable populations over the long term and isolated subpopulations are not created. These areas are designated in SMC 20.80.260 through 20.80.300.

“Flood” or “flooding” means:

A. a general and temporary condition of partial or complete inundation of normally dry land areas from:

~~A-1.~~ 1. The overflow of inland or tidal waters, ~~and/or~~

~~B-2.~~ 2. The unusual and rapid accumulation of runoff of surface waters from any source.

3. Mudslides (i.e., mudflows) which are proximately caused by flooding as defined in paragraph (A)(2) of this definition and are akin to a river of liquid and flowing mud on the surfaces of normally dry land areas, as when earth is carried by a current of water and deposited along the path of the current.

B. The collapse or subsidence of land along the shore of a lake or other body of water as a result of erosion or undermining caused by waves or currents of water exceeding anticipated cyclical levels or suddenly caused by an unusually high water level in a natural body of water, accompanied by a severe storm, or by an unanticipated force of nature, such as flash flood or an abnormal tidal surge, or by some similarly unusual and unforeseeable event which results in flooding as defined in paragraph (A)(1) of this definition.

“Flood elevation study” means an examination, evaluation, and determination of flood hazards and, if appropriate, corresponding water surface elevations, or an examination, evaluation, and determination of mudslide (i.e., mudflow) and/or flood-related erosion hazards. Also known as a Flood Insurance Study (FIS).

“Flood insurance rate map (FIRM)” means the official map of a community, on which the Federal Insurance Administrator Emergency Management Agency has delineated both the special flood hazard areas and the risk premium zones applicable to the community. A FIRM that has been made available digitally is called a Digital Flood Insurance Rate Map (DFIRM).

“Flood insurance study (FIS)” means the official report provided by the Federal Emergency Management Agency that includes flood profiles, the flood insurance rate map, and the water surface elevation of the base flood.

“Floodplain or flood-prone area” means any land area susceptible to being inundated by water from any source. See “flood or flooding.”

“Floodplain administrator” means the community official designated by title to administer and enforce the floodplain management regulations.

“Flood proofing” means any combination of structural and nonstructural additions, changes, or adjustments to structures which reduce or eliminate risk of flood damage to real estate or improved real property, water and sanitary facilities, structures, and their contents. Flood proofed structures are those

that have the structural integrity and design to be impervious to floodwater below the Base Flood Elevation.

“Flood protection elevation (FPE)” means the elevation above the datum of the effective FIRM to which new and substantially improved structures must be protected from flood damage. The flood protection elevation within the limits of the city of Shoreline shall be the base flood elevation plus one foot.

“Floodway” means the channel of a ~~river-stream~~ or other watercourse and the adjacent land areas that must be reserved in order to discharge the base flood without cumulatively increasing the water surface elevation more than a designated height one foot at any point. Also referred to as “regulatory floodway.”

“Functionally dependent use” means a use that must be located or carried out close to water, for example docking or port facilities necessary for the unloading of cargo or passengers, or shipbuilding and ship repair.

“Habitat Assessment” means a written document that describes a project, identifies and analyzes the project’s impacts to habitat for species discussed in the “Endangered Species Act – Section 7 Consultation Final Biological Opinion and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation for the Implementation of the National Flood Insurance Program in the State of Washington, Phase One Document – Puget Sound Region,” and provides an Effects Determination.

“Highest adjacent grade” means the highest natural elevation of the ground surface prior to construction next to the proposed walls of a structure.

“Historic structure” means a structure that:

A. Is individually listed ~~in~~ on the National Register of Historic Places (a listing maintained by the Department of Interior) or preliminarily determined by the Secretary of the Interior as meeting the requirements for individual listing on the National Register, the Washington Heritage Register, or the Washington Heritage Barn Register; or

B. Has been certified or preliminarily determined by the Secretary of the Interior as contributing to contribute to the historical significance of a registered historic district or a district preliminarily determined by the Secretary to qualify as a registered historic district; or

C. Is individually listed on a state inventory of historic places in states with historic preservation programs that have been approved by the Secretary of Interior; or

D. Is individually on a local inventory of historic places in communities with historic preservation programs that have been certified either:

1. By an approved state program as determined by the Secretary of Interior, or

2. Directly by the Secretary of Interior in states without approved programs.

“Hyporheic zone” means a saturated layer of rock or sediment beneath and/or adjacent to a stream channel that contains some proportion of channel water or that has been altered by channel water infiltration.

“Impervious surface” means a nonvegetated surface area which either prevents or retards the entry of water into the soil mantle as under natural conditions prior to the development. A hard surface area which causes water to run off the surface in greater quantities or at an increased rate of flow from the flow present under natural conditions prior to development. Common impervious surfaces include, but are not

limited to, roof tops, walkways, patios, driveways, parking lots or storage areas, concrete or asphalt paving, gravel roads, packed earthen materials, and oiled macadam or other surfaces which similarly impede the natural infiltration of stormwater.

“Lowest floor” means the lowest floor of the lowest enclosed area (including basement or crawl space) of a structure. An unfinished or flood-resistant enclosure, used solely for parking of vehicles, building access, or storage in an area other than a basement area, is not considered a structure’s lowest floor; provided, that such enclosure is compliant with SMC 13.12.500(B)(56), so that there are adequate openings to allow floodwaters into the area.

“Manufactured home” means a structure, transportable in one or more sections, which is built on a permanent chassis and is designed for use with or without a permanent foundation when attached to the required utilities. The term “manufactured home” does not include a “recreational vehicle.”

“Manufactured home park or subdivision” means a parcel (or contiguous parcels) of land divided into two or more manufactured home lots for rent or sale.

“Market value” means either the true and fair value of the property as established by the county assessor or by a Washington State certified or licensed appraiser.

“Mean sea level” means for purposes of the National Flood Insurance Program, the vertical datum to which Base Flood Elevations shown on a community’s flood insurance rate map are referenced.

“Native vegetation” means vegetation comprised of plant species, other than noxious weeds, that are indigenous to the coastal region of the Pacific Northwest, which community’s area and that reasonably could be expected to naturally occur on the site.

“Natural floodplain functions” means the contribution that a floodplain makes to support habitat, including but not limited to providing flood storage and conveyance, reducing flood velocities, reducing sedimentation, filtering nutrients and impurities from runoff, processing organic wastes, moderating temperature fluctuations, and providing breeding and feeding grounds, shelter, and refugia for aquatic or riparian species.

“New construction” means, for the purposes of determining insurance rates, structures for which the “start of construction” commenced on or after March 4, 1997 and includes any subsequent improvements to such structures. For floodplain management purposes, “new construction” means structures for which the “start of construction” commenced on or after the effective date of a floodplain management regulation adopted by a community and includes any subsequent improvements to such structures~~the effective date of this chapter.~~

“NMFS” means National Marine Fisheries Service.

“Protected area” means the lands within the special flood hazard area that lie within the boundaries of the floodway, the riparian habitat zone, and the channel migration area. Because of the impact that development can have on flood heights and velocities and habitat, special rules apply in the protected area. The extent of the protected area is identified in SMC 13.12.300(C).

“Recreational vehicle” means a vehicle:

- A. Built on a single chassis; and
- B. Four hundred square feet or less when measured at the largest horizontal projection; and
- C. Designed to be self-propelled or permanently towable by an automobile or light duty truck; and

D. Designed primarily for use as temporary living quarters for recreational, camping, travel, or seasonal use, not as a permanent dwelling.

~~“Regulatory floodplain” means the area of the special flood hazard area plus the protected area, as defined in SMC 13.12.300. The term also includes newly designated areas that are delineated pursuant to SMC 13.12.300(E).~~

“Riparian” means of, adjacent to, or living on the bank of a river, lake, pond, ocean, sound, or other water body.

“Riparian habitat zone” means the water body and adjacent land areas within the special flood hazard area that are likely to support aquatic and riparian habitat as detailed in SMC 13.12.300(DC)(2).

“Special flood hazard area (SFHA)” means the land subject to inundation by the base flood. Special flood hazard areas are designated on flood insurance rate maps with the letter “A” or “V” including AE, ~~AO,~~ ~~AH, A1-99~~ and VE. The special flood hazard area is also referred to as the area of special flood hazard or SFHA.

“Start of construction” includes substantial improvement, and means the date the building permit was issued, provided the actual start of construction, repair, reconstruction, placement or other improvement was within 180 days of the permit date. The “actual start” means either the first placement of permanent construction of a structure on a site, such as the pouring of slab or footings, the installation of piles, the construction of columns, or any work beyond the stage of excavation; or the placement of a manufactured home on a foundation. Permanent construction does not include land preparation, such as clearing, grading and filling; nor does it include the installation of streets and/or walkways; nor does it include excavation for a basement, footings, piers, or foundations or the erection of temporary forms; nor does it include the installation on the property of accessory buildings, such as garages or sheds not occupied as dwelling units or not part of the main structure. For a substantial improvement, the “actual start of construction” means the first alteration of any wall, ceiling, floor, or other structural part of a building, whether or not that alteration affects the external dimensions of the building.

“Structure” means, for floodplain management purposes, a walled and roofed building, including a gas or liquid storage tank that is principally above ground, as well as a manufactured home.

“Substantial damage” means damage of any origin sustained by a structure whereby the cost of restoring the structure to its before-damaged condition would equal or exceed 50 percent of the market value of the structure before the damage occurred.

“Substantial damage” also means flood-related damage sustained by a structure on two separate occasions during a 10-year period for which the cost of repairs at the time of each such flood event, on the average, equals or exceeds 25 percent of the market value of the structure before the damage occurred.

“Substantial improvement” means any ~~repair,~~ reconstruction, rehabilitation, addition, ~~replacement,~~ or other improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure ~~either:~~

~~A. B~~before the “start of construction” of the improvement, ~~;~~ ~~or~~

~~B. Before damage occurred, if the structure has been damaged or is being restored.~~

~~Substantial improvement occurs with the first alteration of any wall, ceiling, floor, or other structural part of a building, whether or not the alteration affects external dimensions.~~

~~Substantial improvement~~ This term includes structures that have incurred “substantial damage,” regardless of the actual repair work performed. This term does not, however, include either:

A. Substantial improvement does not include any project for improvement of a structure to correct existing violations of state or local health, sanitary, or safety code specifications which have been identified by the local code enforcement official and which are the minimum necessary to assure safe living conditions; or-

B. Any alteration of a “historic structure,” provided that the alteration will not preclude the structure’s continued designation as a “historic structure.”

“Variance (floodplain)” means a grant of relief from the requirements of this chapter that permits construction in a manner that would otherwise be prohibited by this chapter.

“Water typing” means a system for classifying water bodies according to their size and fish habitat characteristics. The Washington Department of Natural Resources’ forest practices water typing classification system is hereby adopted by reference. The system defines four water types:

- A. Type “S” – Shoreline. Streams that are designated “shorelines of the state,” including marine shorelines.
- B. Type “F” – Fish. Streams that are known to be used by fish or meet the physical criteria to be potentially used by fish.
- C. Type “Np” – Non-fish perennial streams.
- D. Type “Ns” – Non-fish seasonal streams.

“Waters of the state” includes lakes, rivers, ponds, streams, inland waters, underground water, salt waters, estuaries, tidal flats, beaches, and lands adjoining the seacoast of the state, sewers, and all other surface waters and watercourses within the jurisdiction of the state of Washington.

“Zone” means one or more areas delineated on the FIRM. ~~The following zones may be used on the adopted FIRM. The special flood hazard area is comprised of the A and V zones.~~

<del>A</del>	<del>SFHA where no base flood elevation is provided.</del>
<del>A#</del>	<del>Numbered A Zones (e.g., A7 or A14), SFHA with a base flood elevation.</del>
<del>AE</del>	<del>SFHA with a base flood elevation.</del>
<del>AO</del>	<del>SFHA subject to inundation by shallow flooding usually resulting from sheet flow on sloping terrain, with average depths between one and three feet. Average flood depths are shown.</del>
<del>AH</del>	<del>SFHA subject to inundation by shallow flooding (usually pond areas) with average depths between</del>

	<del>one and three feet. Base flood elevations are shown.</del>
<del>B</del>	<del>The area between the SFHA and the 500-year flood of the primary source of flooding. It may also be an area with a local, shallow flooding problem or an area protected by a levee.</del>
<del>C</del>	<del>An area of minimal flood hazard, as above the 500-year flood level of the primary source of flooding. B and C zones may have flooding that does not meet the criteria to be mapped as a special flood hazard area, especially pond and local drainage problems.</del>
<del>D</del>	<del>Area of undetermined but possible flood hazard.</del>
<del>V</del>	<del>The SFHA subject to coastal high-hazard flooding including waves of three feet or greater in height. There are three types of V zones: V, V#, and VE, and they correspond to the A-zone designations.</del>
<del>X</del>	<del>The area outside the mapped SFHA.</del>
<del>X</del>	<del>The same as a Zone B, above.</del>
<b>Shaded</b>	

**13.12.200 Floodplain administrator.**

A. Administrator Designation. The planning and community development director is hereby appointed as the floodplain administrator, to administer and implement this chapter by granting or denying floodplain development permit applications in accordance with its provisions. The floodplain administrator may delegate authority to implement these provisions.

B. Administrator Duties. The director’s duties shall include, but shall not be limited to, the following:

1. Ensure that all development activities within the special flood hazard area-regulatory floodplain of the jurisdiction of the city meet the requirements of this chapter.
2. Review all floodplain development permits to determine that the permit requirements of this chapter have been satisfied.
3. Review all floodplain development permits to determine if the proposed development is located in the protected area. If located in the protected area, ensure that the provisions of SMC 13.12.600 are met.
4. Review all floodplain development permits to determine that all necessary permits have been obtained from those federal, state, or local governmental agencies from which prior approval is

required, including those local, state or federal permits that may be required to assure compliance with the Endangered Species Act and/or other appropriate state or federal laws.

5. Delegate to the building official, or designee, the responsibility to inspect all development projects before, during, and after construction to ensure compliance with all provisions of this chapter, including proper elevation of the structure.

6. Maintain for public inspection all records pertaining to the provisions of this chapter.

7. Submit reports as required for the National Flood Insurance Program.

8. Notify FEMA of any proposed amendments to this chapter or when annexations occur within the Special Flood Hazard Area.

9. Cooperate with state and federal agencies to improve flood and other technical data and notify FEMA of any new data that would revise the FIRM.

~~C. Upon receipt of a permit for a development project within a floodplain, the director shall compare the elevation of the site to the base flood elevation. A development project is not subject to the requirements of this chapter if it is located on land that can be shown to be:~~

- ~~1. Outside the protected area; and~~
- ~~2. Higher than the base flood elevation.~~

~~D. The director shall inform the applicant that the project may still be subject to the flood insurance purchase requirements unless the owner receives a letter of map amendment from FEMA.~~

~~E. The director shall make interpretations where needed, as to the exact location of the boundaries of the regulatory floodplain, the SFHA and the protected area where there appears to be a conflict between the mapped SFHA boundary and actual field conditions as determined by the base flood elevation and ground elevations. The applicant may appeal the director's interpretation of the location of the boundary to the hearing examiner according to the procedures described in SMC 20.30.200 through 20.30.270.~~

**13.12.300 Regulatory data.**

~~A. Regulatory Floodplain. The regulatory floodplain is comprised of the special flood hazard area and all protected areas within the jurisdiction of city of Shoreline. The term also includes areas delineated pursuant to subsection E of this section.~~

~~B. Special Flood Hazard Area. The special flood hazard area (SFHA) is the area subject to flooding by the base flood and subject to the provisions of this chapter. It is identified by the Federal Emergency Management Agency in a scientific and engineering report entitled "Flood Insurance Study for King County and Incorporated Areas," dated August 19, 2020 ~~April 19, 2005~~, and any revisions thereto, with an accompanying ~~Flood Insurance Rate Map~~ (FIRM), and any revisions thereto, hereby adopted by reference and declared to be a part of this chapter. The flood insurance study and the FIRM are on file at 17500 Midvale Avenue N, Shoreline, WA 98133.~~

~~C. Flood Hazard Data.~~

- ~~1. The base flood elevation for the SFHAs of the city of Shoreline shall be as delineated on the 100-year flood profiles in the flood insurance study for King County.~~
- ~~2. The base flood elevation for each SFHA delineated as a "Zone AH" or "Zone AO" shall be that elevation (or depth) delineated on the flood insurance rate map. Where base flood depths are not~~

available in Zone AO, the base flood elevation shall be considered two feet above the highest grade adjacent to the structure.

3. The base flood elevation for all other SFHAs shall be as defined in subsections (~~CB~~)(6) and (~~ED~~)(4) of this section.

4. The flood protection elevation (FPE) shall be the base flood elevation plus one foot.

5. The floodway shall be as delineated on the flood insurance rate map or in accordance with subsections (~~CB~~)(6) and (~~ED~~)(4~~5~~) of this section.

6. Where base flood elevation and floodway data have not been provided in special flood hazard areas, the director shall obtain, review, and reasonably utilize any base flood elevation and floodway data available from a federal, state, or other source.

7. Where elevation data are not available either through the flood insurance study, FIRM, or from another authoritative source, applications for building permits shall be reviewed to assure that proposed construction will be reasonably safe from flooding. The test of reasonableness includes use of historical data, high water marks, photographs of past flooding, etc. Failure to elevate at least two feet above the highest adjacent grade in these zones may result in higher insurance rates.

~~DC~~. Protected Area. The protected area is ~~comprised~~ composed of those lands within the special flood hazard area that lie within the boundaries of the floodway, the riparian habitat zone, and the channel migration area. The protected area shall not extend beyond the furthest extent of the special flood hazard area.

1. In riverine areas, where a floodway has not been designated in accordance with subsection (~~CB~~)(5), (~~CB~~)(6), or (~~ED~~)(5) of this section, the protected area is comprised of those lands that lie within the boundaries of the riparian habitat zone, the channel migration area, and the SFHA.

2. The riparian habitat zone includes those watercourses and adjacent lands within the SFHA ~~and adjacent land areas~~ that are likely to support aquatic and riparian habitat. The size and location of the riparian habitat zone is dependent on the type of water body. The riparian habitat zone includes the water body and adjacent lands, measured perpendicularly from ordinary high water on both sides of the water body:

- a. Type S – Streams that are designated “shorelines of the state”: 250 feet.
- b. Type F – Fish-bearing streams greater than five feet wide and marine shorelines: 200 feet.
- c. Type F – Streams less than five feet wide and lakes: 150 feet.
- d. Type N – Non-salmonid-bearing perennial and seasonal streams with unstable slopes: 225 feet.
- e. All other Type N – Non-salmonid-bearing perennial and seasonal streams: 150 feet.

3. Channel Migration Area.

- a. The channel migration area shall be the channel migration zone plus 50 feet.
- b. Where a channel migration zone has not yet been mapped, the provisions of subsection (~~ED~~)(6) of this section shall apply at the time of permit application.



- c. Where more than one channel migration zone has been delineated, the director shall use the delineation that has been adopted for other local regulatory purposes.

**ED**. New Regulatory Data.

1. All requests to revise or change the flood hazard data, including requests for a letter of map revision and a conditional letter of map revision, shall be reviewed by the director.
  - a. The director shall not sign the community acknowledgment form for any requests based on filling or other development, unless the applicant for the letter documents that such filling or development complies with this chapter.
  - b. The director shall not approve a request to revise or change a floodway delineation until FEMA has issued a conditional letter of map revision that approves the change.
2. The director shall use the most restrictive data available for the channel migration zone, floodways, future conditions, and riparian habitat areas.
3. If an applicant disagrees with the regulatory data prescribed by this chapter, they may submit a detailed technical study needed to replace existing data with better data in accordance with FEMA mapping guidelines or *Regional Guidance for Hydrologic and Hydraulic Studies in Support of the Model Ordinance for Floodplain Management and the Endangered Species Act, 2010, FEMA Region 10, as amended*. If the data in question are shown on the published FIRM, the submittal must also include a request to FEMA for a conditional letter of map revision.
4. Where base flood elevation data are not available in accordance with subsection **EB** of this section, applicants for approval of new subdivisions and other proposed developments, including proposals for manufactured home parks and subdivisions greater than 50 lots or five acres, whichever is smaller, shall include such data with their permit applications.
5. Where floodway delineation is not available in accordance with subsection **EB** of this section, the floodway will be designated to be one-half the distance of the mapped 100-year floodplain at any point, and the prohibition on floodway development applies, unless a floodway study indicates otherwise. This provision applies to any floodplain development permit, including those for substantial improvements.
6. Where channel migration zone data are not available in accordance with subsection (**DC**)(3) of this section, the permit applicant shall either:
  - a. Designate the entire SFHA as the channel migration zone; or
  - b. Identify the channel migration area in accordance with *Regional Guidance for Hydrologic and Hydraulic Studies in Support of the Model Ordinance for Floodplain Management and the Endangered Species Act, 2010, FEMA Region 10, as amended*.
7. All new hydrologic and hydraulic flood studies conducted pursuant to this section shall consider future conditions and the cumulative effects from anticipated future land use changes in accordance with *Regional Guidance for Hydrologic and Hydraulic Studies in Support of the Model Ordinance for Floodplain Management and the Endangered Species Act, 2010, FEMA Region 10, as amended*.

**13.12.400 General development standards.**

A. Subdivisions. This section applies to all subdivision proposals, short subdivisions, short plats, planned developments, and new manufactured housing parks, as well as expansions to manufactured housing parks.

1. All proposals shall be consistent with the need to minimize flood damage.
2. The proposed subdivision should have one or more new lots in the ~~regulatory floodplain~~ SFHA set aside for open space use through deed restriction, easement, subdivision covenant, or donation to a public agency.
3. In the ~~regulatory floodplain~~ SFHA outside the protected area, zoning must maintain a low density of floodplain development. The density of the development in the portion of the development outside the ~~regulatory floodplain~~ SFHA may be reallocated from those areas in the SFHA ~~increased to~~ account/compensate for land in the ~~regulatory floodplain~~ SFHA preserved as open space in accordance with SMC 20.70.150(A). The development shall not exceed the densities allowed pursuant to SMC Title 20.
4. If a parcel has a buildable site outside the ~~regulatory floodplain~~, the parcel shall not be subdivided to create a new lot, tract, or parcel that does not have a buildable site outside the ~~regulatory~~ floodplain. This provision does not apply to lots set aside from development and preserved as open space.
5. All proposals shall have utilities and facilities, such as sewer, gas, electrical, and water systems, located and constructed to minimize or eliminate flood damage.
6. All proposals shall ensure that all subdivisions have at least one access road connected to land outside the ~~regulatory~~ floodplain with the surface of the road at or above the FPE wherever possible.
7. All proposals shall have adequate drainage provided to avoid exposure to water damage and to reduce exposure to flood damage.
8. The final recorded subdivision plat shall include a notice that part of the property is in the SFHA, riparian habitat zone, and/or channel migration area, as appropriate.

B. Site Design.

1. Structures and other development shall be located to avoid flood damage.
  - a. If a lot has a buildable site outside of the ~~regulatory floodplain~~ SFHA, ~~whenever possible all~~ new structures shall be located in the area outside of the SFHA, whenever possible. ~~that area.~~
  - b. If a lot does not have a buildable site outside of the ~~regulatory floodplain~~ SFHA, all new structures, pavement, and other development must be sited in the location that has the least impact on habitat by locating the structures as far from the water body as possible, or by placing the structures on the highest land on the lot.
  - c. ~~All new structures shall be set back at least 15 feet from the protected area.~~
2. All new development shall be designed and located in accordance with the applicable provisions of Chapter 13.10 SMC and to minimize the impact on flood flows, flood storage, water quality, and habitat.

- a. Stormwater and drainage features shall incorporate low impact development techniques, if technically feasible, that mimic predevelopment hydrologic conditions, such as stormwater infiltration, rain gardens, grass swales, filter strips, disconnected impervious areas, permeable pavement, and vegetative roof systems.
  - b. If the proposed project will create new impervious surfaces so that more than 10 percent of the portion of the lot in the ~~regulatory~~-floodplain is covered by impervious surface, the applicant shall demonstrate that there will be no net increase in the rate and volume of the stormwater surface runoff that leaves the site or that the adverse impact is mitigated, as provided by SMC 13.12.600(F) and (G).
3. The site plan required in SMC 13.12.700(D) shall account for surface drainage to ensure that:
- a. Existing and new buildings on the site will be protected from stormwater runoff; and
  - b. The project will not divert or increase surface water runoff onto neighboring properties.
4. If the proposed project does not meet the criteria of subsections (B)(1) and (2) of this section, the proponent shall conduct a habitat impact assessment pursuant to SMC 13.12.600(F) and, if necessary, the proponent shall prepare and implement a habitat mitigation plan pursuant to SMC 13.12.600(G).

C. Hazardous Materials.

1. No new development shall create a threat to public health, public safety, or water quality. Chemicals, explosives, gasoline, propane, buoyant materials, animal wastes, fertilizers, flammable liquids, pollutants, or other materials that are hazardous, toxic, or a threat to water quality are prohibited from the regulatory floodplain. This prohibition does not apply to small quantities of these materials kept for normal household use. This prohibition does not apply to the continued operations of existing facilities and structures, reuse of existing facilities and structures, or functionally dependent facilities or structures.
2. If the proposed project cannot meet subsection (C)(1) of this section, then the proponent shall conduct a habitat assessment in accordance with SMC 13.12.600(F) and (G).

D. Critical Facilities.

1. Construction of new critical facilities shall be, to the extent possible, located outside the limits of the ~~regulatory floodplain~~SFHA.
2. Construction of new critical facilities in the ~~regulatory floodplain~~SFHA shall be permissible if no feasible alternative site is available, provided:
  - a. Critical facilities shall have the lowest floor elevated three feet above the base flood elevation or to the height of the 500-year flood, whichever is higher.
  - b. Access to and from the critical facility shall be protected to the elevation of the 500-year flood.
  - c. If there are no available data on the 500-year flood, the permit applicants shall develop the needed data in accordance with FEMA mapping guidelines.

~~E. Sand Dunes. Nonnatural alterations of sand dunes within Zones V1-30, VE, and V which would increase potential flood damage are prohibited.~~

**13.12.500 Structure Flood protection standards in all zones.**

A. In the special flood hazard area, all new structures and substantial improvements shall be protected from flood damage below the flood protection elevation, including:

1. Construction or placement of a new structure.
2. Reconstruction, rehabilitation, or other improvement that will result in a substantially improved building.
3. Repairs to an existing building that has been substantially damaged.
4. Placing a manufactured home on a site.
5. Placing a recreational vehicle or travel trailer on a site for more than 180 days.

B. General Flood Protection Standards.

~~1. All new structures and substantial improvements shall have the lowest floor, including basement, elevated above the FPE.~~

~~2~~1. The structure shall be aligned parallel with the direction of flood flows where practicable.

~~3~~2. The structure shall be anchored to prevent flotation, collapse, or lateral movement of the structure resulting from hydrodynamic and hydrostatic loads including the effects of buoyancy.

~~4~~3. All materials below the FPE shall be resistant to flood damage and firmly anchored to prevent flotation. Materials harmful to aquatic wildlife, such as creosote, are prohibited below the FPE.

~~5~~4. Electrical, heating, ventilation, ductwork, plumbing, and air conditioning equipment and other service facilities shall be elevated above the FPE. Water, sewage, electrical, and other utility lines below the FPE shall be constructed to prevent water from entering or accumulating within them during conditions of flooding.

~~6~~5. Fully enclosed areas below the lowest floor that are subject to flooding are prohibited, shall be used only for parking, storage, or building access and or shall be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters. Designs for meeting this requirement shall ~~either be certified by a registered professional engineer or licensed architect and/or~~ meet or exceed the following minimum criteria:

a. ~~Include~~ A minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding shall be provided~~;~~

b. The bottom of all openings shall be no higher than one foot above grade~~;~~

c. Openings may be equipped with screens, louvers, or other coverings or devices provided that if they permit the automatic entry and exit of floodwaters~~;~~ and

d. A garage attached to a residential structure, constructed with the garage floor slab below the base flood elevation, must be designed to allow for the automatic entry and exist of floodwaters.

D. Manufactured Homes. All manufactured homes to be placed or substantially improved on sites shall be:

1. Elevated on a permanent foundation and the lowest floor elevated one foot or more above the BFE in accordance with subsection B of this section; and

2. Securely anchored to an adequately anchored foundation system to resist flotation, collapse, and lateral movement. Methods of anchoring may include, but are not to be limited to, use of over-the-top or frame ties to ground anchors. This requirement is in addition to other applicable anchoring requirements for resisting wind forces.

3. In an existing manufactured home park or subdivision on which a manufactured home has incurred "substantial damage" as the result of a flood; shall meet the applicable flood protection standards for residential structures.

E. Recreational Vehicles. Recreational vehicles may be occupied for temporary lodging for up to two weeks (two weeks equals one occupancy) on a lot and within the SFHA with the permission of the property owner subject to the following conditions:

1. Limited to one recreational vehicle per lot plus additional recreational vehicles for every 10,000 square feet of lot, above the minimum lot size for a particular zone;

2. No more than two occupancies per calendar year;

3. Such occupancy does not create a public health hazard or nuisance;

4. The recreational vehicle must be parked on an approved surface that meets the off-street parking construction standards in the Engineering Development Manual;

5. The recreational vehicle shall not be parked in yard setbacks;

6. The recreational vehicle may be occupied for temporary lodging for up to 30 days if connected to approved utilities including water and wastewater disposal;

7. No business occupation shall be conducted in a recreational vehicle;

8. Recreational vehicles shall not use generators;

9. Any deviation from time limits, number of occupancies per year, and number of recreational vehicles allowed may be proposed through a temporary use permit, SMC 20.30.295. If a temporary use permit allows the recreational vehicle to be on a lot for more than 180 consecutive days, the following conditions shall apply in addition to the conditions 1-8 above:

a. The recreational vehicle shall be fully licensed and ready for highway use, on their wheels or jacking system, attached to the site only by quick disconnect type utilities and security devices, and have no permanently attached additions; or

b. Be permitted according to SMC 13.12.700 and meet the residential flood protection requirements of this chapter and the anchoring requirements for manufactured homes in SMC 13.12.500(D).

F. Appurtenant Structures. A structure which is on the same parcel of property as the principal structure and the use of which is incidental to the use of the principal structure and is not used for human habitation may be exempt from the elevation requirement of this chapter, provided:

1. It is used only for parking or storage;

2. It is constructed and placed on the building site so as to offer minimum resistance to the flow of floodwaters;

3. It is anchored to prevent flotation which may result in damage to other structures;

4. All portions of the structure below the FPE must be constructed of flood-resistant materials;

5. Service utilities such as electrical and heating equipment meet the standards of subsections (B)(4) and G of this section;

6. It has openings to allow free flowage of water that meet the criteria in subsection (B)(5) of this section;

7. The structure meets all the other requirements of this chapter, including SMC 13.12.600.

G. Utilities.

1. All new and replacement water supply systems shall be designed to minimize or eliminate infiltration of floodwaters into the systems;

2. Water wells shall be located outside the floodway and shall be protected to the FPE;

3. New and replacement sanitary sewage systems shall be designed to minimize or eliminate infiltration of floodwaters into the systems and discharges from the systems into floodwaters;

4. On-site waste disposal systems shall be located to avoid impairment to them or contamination from them during flooding. A habitat impact assessment shall be conducted as a condition of approval of an on-site waste disposal system to be located in the special flood hazard area.

**13.12.505 Flood protection standards in A and AE zones.**

A. Residential Construction.

1. In AE and A1-30 zones or other A zoned areas where the BFE has been determined or can be reasonably obtained, new construction and substantial improvement of any residential structure shall have the lowest floor, including basement, elevated one foot or more above the BFE. Mechanical equipment and utilities shall be waterproofed or elevated at least one foot above the BFE.

2. New construction and substantial improvement of any residential structure in an Unnumbered A zone for which a BFE is not available and cannot be reasonably obtained shall be reasonably safe from flooding, but in all cases the lowest floor shall be at least two feet above the Highest Adjacent Grade.

B. Nonresidential Construction.

1. New construction and substantial improvement of any commercial, industrial, or other nonresidential structure shall meet the requirements of subsection a or b, below.

a. New construction and substantial improvement of any commercial, industrial or other nonresidential structure shall meet all of the following requirements:

i. In AE and A1-30 zones or other A zoned areas where the BFE has been determined or can be reasonably obtained new construction and substantial improvement of any commercial, industrial, or other nonresidential structure shall have the lowest floor, including basement, elevated one foot or

more above the BFE, or elevated as required by ASCE 24, whichever is greater. Mechanical equipment and utilities shall be waterproofed or elevated at least one foot above the BFE, or as required by ASCE 24, whichever is greater.

ii. If located in an Unnumbered A zone for which a BFE is not available and cannot be reasonably obtained, the structure shall be reasonably safe from flooding, but in all cases the lowest floor shall be at least two feet above the Highest Adjacent Grade.

b. If the requirements of subsection a are not met, then new construction and substantial improvement of any commercial, industrial, or other nonresidential structure shall meet all of the following requirements:

i. Be dry flood proofed so that below one foot or more above the base flood level the structure is watertight with walls substantially impermeable to the passage of water or dry flood proofed to the elevation required by ASCE 24, whichever is greater;

ii. Have structural components capable of resisting hydrostatic and hydrodynamic loads and effects of buoyancy;

iii. Be certified by a registered professional engineer or architect that the design and methods of construction are in accordance with accepted standards of practice for meeting provisions of this subsection based on their development and review of the structural design, specifications and plans. Such certifications shall be provided to the director as set forth in SMC 13.12.700(E)(1)(a) and 13.12.800(A)(3);

iv. Nonresidential structures that are elevated, not flood proofed, must meet the same standards for space below the lowest floor as described in subsection (B)(2) below;

(Applicants who are flood proofing nonresidential buildings shall be notified that flood insurance premiums will be based on rates that are one foot below the flood proofed level (e.g. a building flood proofed to the base flood level will be rated as one foot below). Flood proofing the building an additional foot will reduce insurance premiums.)

2. As an alternative to elevation, a new or substantial improvement to a nonresidential structure and its attendant utility and sanitary facilities may be dry floodproofed in A zones. The structure must meet the following:

a. The structure is not located in Zones V, V1-30, or VE; and

b. The structure shall be floodproofed so that one foot or more above base flood elevation is watertight with walls substantially impermeable to the passage of water; and

c. The structural components are capable of resisting hydrostatic and hydrodynamic loads and effects of buoyancy; and

d. The plans are certified by a registered professional engineer or licensed architect that the design and methods of construction are in accordance with accepted standards of practice for meeting provisions of this subsection based on their development and review of the structural design, specifications and plans. Such certifications shall be provided to the director as set forth in SMC 13.12.700(E)(1)(a) and 13.12.800(A)(3).

**13.12.510 Flood protection standards in V zones.**

A. Located within the special flood hazard area are Coastal High Hazard Areas, designated as zones V1-30, VE, and/or V. These areas have special flood hazards associated with high velocity waters from surges and, therefore, in addition to meeting the flood protection standards in SMC 13.12.500, the following provisions of this subsection shall also apply:

71. All new construction and substantial improvements in Zones V, V1-30 and VE (V if base flood elevation data is available) on the community's FIRM, new structures and substantial improvements shall be elevated on pilings or columns so that:

~~a. A registered professional engineer or architect shall develop or review the structural design, specifications and plans for the construction, and shall certify that the design and methods of construction to be used are in accordance with accepted standards of practice for meeting these provisions.~~

ba. Elevation:

i. For residential construction, the bottom of the lowest horizontal structural member of the lowest floor (excluding the pilings or columns) is elevated at or above least one foot above the flood protection elevation FPE.

ii. For nonresidential construction, the bottom of the lowest horizontal structural member of the lowest floor (excluding the pilings or columns) is elevated at or above the flood protection elevation or meets the elevation requirements of ASCE 24, whichever is higher; and

eb. The pile or column foundation and structure attached thereto ~~is~~ are anchored to resist flotation, collapse, and lateral movement due to the effects of wind and water loads acting simultaneously on all building components. Wind and water loading values shall each have a one percent chance of being equaled or exceeded in any given year (100-year mean recurrence interval).

~~c. A registered professional engineer or architect shall develop or review the structural design, specifications and plans for the construction, and shall certify that the design and methods of construction to be used are in accordance with accepted standards of practice for meeting these provisions.~~

2. Obtain the elevation (in relation to mean sea level) of the bottom of the lowest structural member of the lowest floor (excluding pilings and columns) of all new and substantially improved structures in zones V1-30, VE, and V on the community's FIRM and whether or not such structures contain a basement. The director shall maintain a record of all such information.

3. Provide that all new construction and substantial improvements within zones V1-30, VE, and V on the community's FIRM have the space ~~The areas below the lowest floor either that are subject to flooding shall be~~ free of obstruction or constructed with non-supporting breakaway walls, open wood lattice-work, or insect screening intended to collapse under wind and water loads without causing collapse, displacement, or other structural damage to the elevated portion of the building or supporting foundation system. For the purposes of this section, a breakaway wall shall have a design safe loading resistance of not less than 10 and no more than 20 pounds per square foot. Use of breakaway walls which exceed a design safe loading resistance of 20 pounds per square foot (either by design or when so required by local or state codes) may be permitted only if a registered professional engineer or architect certifies that the design proposed meets the following conditions:

a. Breakaway wall collapse shall result from water load less than that which would occur during the base flood; and



b. The elevated portion of the building and supporting foundation system shall not be subject to collapse, displacement, or other structural damage due to the effects of wind and water loads acting simultaneously on all building components (structural and non-structural). Maximum wind and water loading values to be used in this determination shall each have a one percent chance of being equaled or exceeded in any given year (100-year mean recurrence interval).

If breakaway walls are utilized, such enclosed space shall be useable solely for parking vehicles, building access, or storage. Such space shall not be used for human habitation.

~~e4. All new construction within zones V1-30, VE, and V on the community’s FIRM~~The structure or improvement shall be located landward of the reach of mean high tide.

~~f5. The use of fill for structural support of structures within zones V1-30, VE, and V on the community’s FIRM~~a structure or addition is prohibited.

6. Sand Dunes. Nonnatural alterations of sand dunes within Zones V1-30, VE, and V which would increase potential flood damage are prohibited.

~~C. Nonresidential Construction.~~

~~1. New construction and substantial improvement of any commercial, industrial, or other nonresidential structure shall be elevated in accordance with subsection B of this section.~~

~~2. As an alternative to elevation, a new or substantial improvement to a nonresidential structure and its attendant utility and sanitary facilities may be dry floodproofed in A zones. The project must meet the following:~~

~~a. The structure is not located in Zones V, V1-30, or VE; and~~

~~b. The structure shall be floodproofed so that one foot or more above base flood elevation is watertight with walls substantially impermeable to the passage of water; and~~

~~c. The structural components are capable of resisting hydrostatic and hydrodynamic loads and effects of buoyancy; and~~

~~d. The plans are certified by a registered professional engineer or licensed architect that the design and methods of construction are in accordance with accepted standards of practice for meeting provisions of this subsection based on their development and/or review of the structural design, specifications and plans. Such certifications shall be provided to the director as set forth in SMC 13.12.700(E)(1)(a) and 13.12.800(A)(3).~~

~~D. Manufactured Homes. All manufactured homes to be placed or substantially improved on sites shall be:~~

~~1. Elevated on a permanent foundation in accordance with subsection B of this section; and~~

~~2. Securely anchored to an adequately anchored foundation system to resist flotation, collapse, and lateral movement. Methods of anchoring may include, but are not to be limited to, use of over the top or frame ties to ground anchors. This requirement is in addition to other applicable anchoring requirements for resisting wind forces.~~

~~E. Recreational Vehicles. Recreational vehicles placed on sites shall:~~

~~1. Be on the site for fewer than 180 consecutive days; or~~

~~2. Be fully licensed and ready for highway use, on their wheels or jacking system, attached to the site only by quick disconnect type utilities and security devices, and have no permanently attached additions; or~~

~~3. Be permitted according to SMC 13.12.700 and meet the requirements of this section.~~

~~F. Appurtenant Structures. A structure which is on the same parcel of property as the principal structure and the use of which is incidental to the use of the principal structure and is not used for human habitation may be exempt from the elevation requirement of subsection (B)(1) of this section, provided:~~

~~1. It is used only for parking or storage;~~

~~2. It is constructed and placed on the building site so as to offer minimum resistance to the flow of floodwaters;~~

~~3. It is anchored to prevent flotation which may result in damage to other structures;~~

~~4. All portions of the structure below the FPE must be constructed of flood resistant materials;~~

~~5. Service utilities such as electrical and heating equipment meet the standards of subsections (B)(5) and G of this section;~~

~~6. It has openings to allow free flowage of water that meet the criteria in subsection (B)(6) of this section;~~

~~7. The project meets all the other requirements of this chapter, including SMC 13.12.600.~~

~~G. Utilities.~~

~~1. All new and replacement water supply systems shall be designed to minimize or eliminate infiltration of floodwaters into the systems;~~

~~2. Water wells shall be located outside the floodway and shall be protected to the FPE;~~

~~3. New and replacement sanitary sewage systems shall be designed to minimize or eliminate infiltration of floodwaters into the systems and discharges from the systems into floodwaters;~~

~~4. On-site waste disposal systems shall be located to avoid impairment to them or contamination from them during flooding. A habitat impact assessment shall be conducted as a condition of approval of an on-site waste disposal system to be located in the regulatory floodplain.~~

**13.12.600 Habitat protection standards.**

A. The provisions of this section apply in the ~~regulatory floodplain~~SFHA. Activities listed herein must meet all federal, state, and city of Shoreline requirements.

B. Native Vegetation.

1. The site plan required in SMC 13.12.700(D) shall show existing native vegetation.

2. In the riparian habitat zone, native vegetation shall be left undisturbed, except as provided in SMC 13.12.700(B)(3) and (C).

3. Outside the riparian habitat zone, removal of native vegetation shall not exceed 35 percent of the surface area of the portion of the site in the regulatory floodplain. Native vegetation in the riparian habitat zone portion of the property can be counted toward this requirement.

4. If the proposed project does not meet the criteria of subsections (B)(2) and (B)(3) of this section, a habitat impact assessment shall be conducted pursuant to subsection F of this section and, if necessary, a habitat mitigation plan shall be prepared and implemented pursuant to subsection G of this section.

C. Floodway Standards.

1. In addition to the other requirements of this chapter, a project to develop in the floodway as delineated pursuant to SMC 13.12.300(~~EB~~)(5), (~~EB~~)(6), or (~~ED~~)(5) shall meet the following criteria:

a. The applicant shall provide a certification by a registered professional engineer demonstrating through hydrologic and hydraulic analyses performed in accordance with standard engineering practice that the proposed development would not result in any increase in flood levels during the occurrence of the base flood discharge.

b. Construction or reconstruction of residential structures is prohibited within designated floodways, except for the following. The following exceptions must meet all other requirements in this chapter, including subsection (C)(1)(a) of this section:

i. Repairs, reconstruction, or improvements to a residential structure which do not increase the ground floor area, providing the cost of which does not exceed 50 percent of the market value of the structure either (A) before the repair or reconstruction is started, or (B) if the structure has been damaged, and is being restored, before the damage occurred. Any project for improvement of a structure to correct existing violations of state or local health, sanitary, or safety code specifications which have been identified by a local code enforcement official and which are the minimum necessary to assure safe living conditions, or to an historic structure, may be excluded from the 50 percent calculations;

ii. Repairs, replacement, reconstruction, or improvements to substantially damaged residential dwellings other than farmhouses that do not increase the building's total square footage of encroachment and are consistent with all requirements of WAC 173-158-076; or

iii. Repairs, reconstruction, or improvements to residential structures identified as historic structures that do not increase the building's dimensions.

2. In riverine special flood hazard areas where a floodway has not been delineated pursuant to SMC 13.12.300(~~EB~~)(5), (~~EB~~)(6), or (~~ED~~)(5), the applicant for a project to develop in the SFHA shall provide a certification by a registered professional engineer demonstrating through hydrologic and hydraulic analyses performed in accordance with standard engineering practice that the proposed development and all other past or future similar developments would not cumulatively result in an increase of flood levels during the occurrence of the base flood discharge by more than 0.01 feet.

3. All new construction and substantial improvements within the floodway shall comply with all applicable flood hazard protection provisions of SMC 13.12.500.B and C.

D. Compensatory Storage. New development shall not reduce the effective flood storage volume of the ~~regulatory~~ floodplain. A development proposal shall provide compensatory storage if grading or other activity eliminates any effective flood storage volume. Compensatory storage shall:

1. Provide equivalent volume at equivalent elevations to that being displaced. For this purpose, "equivalent elevation" means having similar relationship to ordinary high water and to the best available 10-year, 50-year and 100-year water surface profiles;

2. Be hydraulically connected to the source of flooding; and
3. Provide compensatory storage in the same construction season as when the displacement of flood storage volume occurs and before the flood season begins.
4. The newly created storage area shall be graded and vegetated to allow fish access during flood events without creating fish stranding sites.

E. Alteration of Watercourses.

1. In addition to the other requirements in this section, an applicant for a project that will alter or relocate a watercourse shall also submit a request for a conditional letter of map revision (CLOMR), where required by the Federal Emergency Management Agency. The project will not be approved unless FEMA issues the CLOMR (which requires ESA consultation) and the provisions of the letter are made part of the permit requirements.
2. The director shall notify adjacent communities and the Department of Ecology prior to any alteration or relocation of a watercourse, and submit evidence of such notification to the Federal Emergency Management Agency.
3. Maintenance shall be provided within the altered or relocated portion of said watercourse so that the flood carrying capacity is not diminished. If the maintenance program does not call for cutting of native vegetation, the system shall be oversized at the time of construction to compensate for said vegetation growth or any other natural factor that may need future maintenance.

F. Habitat Impact Assessment. Unless allowed under SMC 13.12.700(B) and (C), a permit application to develop in the ~~regulatory floodplain~~ SFHA shall include an assessment of the impact of the project on federal, state or locally protected species and habitat, water quality and aquatic and riparian habitat. The assessment shall be performed by a qualified professional as defined by SMC 20.20.042 who is approved by the city or under contract to the city. The assessment shall be:

1. A biological evaluation or biological assessment developed per 50 CFR 402.12 to initiate federal interagency consultation under Endangered Species Act Section 7(a)(2); or
2. Documentation that the activity fits within Section 4(d) of the Endangered Species Act; or
3. Documentation that the activity fits within a habitat conservation plan approved pursuant to Section 10 of the Endangered Species Act, where any such assessment has been prepared or is otherwise made available; or
4. An assessment prepared in accordance with *Floodplain Habitat Assessment and Mitigation-Draft Regional Guidance for the Puget Sound Basin, 2013*, ~~4~~, FEMA Region 10, as amended. The assessment shall determine if the project would adversely affect:
  - a. Species that are federal, state, or local listed as threatened or endangered,
  - b. The primary constituent elements for critical habitat, when designated,
  - c. Essential fish habitat designated by the National Marine Fisheries Service,
  - d. Fish and wildlife habitat conservation areas,
  - e. Other protected areas and elements necessary for species conservation.

G. Habitat Mitigation Plan.

1. If the assessment conducted under subsection F of this section concludes the project is expected to have an adverse effect on water quality and/or aquatic or riparian habitat or habitat functions, the applicant shall provide a plan to mitigate those impacts, in accordance with *Floodplain Habitat Assessment and Mitigation* ~~Draft~~ *Regional Guidance for the Puget Sound Basin, 2013*, *FEMA Region 10*, as amended.
  - a. If the USFWS or NMFS issues an incidental take permit under Section 10 ESA, or biological opinion under this section, the permit can be considered to qualify as a plan to mitigate those impacts.
  - b. If the project is located outside the protected area, the mitigation plan shall include such avoidance, minimization, restoration, or compensation measures so that indirect adverse effects of development in the floodplain (effects to stormwater, riparian vegetation, bank stability, channel migration, hyporheic zones, wetlands, large woody debris, etc.) are mitigated such that equivalent or better habitat protection is provided.
  - c. No new stream crossings are allowed outside the protected area unless approval has been obtained as stated in subsection (G)(1)(a) of this section.
  - d. If the project is located in the protected area, the mitigation plan shall stipulate avoidance measures as are needed to ensure that there is no adverse effect during any phase of the project.
2. The plan's habitat mitigation activities shall be incorporated into the proposed project. The floodplain development permit shall be based on the redesigned project and its mitigation components.
3. As required in SMC 13.12.700(E), the building official shall not issue a certification of use or a certificate of occupancy until all work identified in the habitat assessment and mitigation plan has been completed or the applicant has provided the necessary assurance that unfinished portions of the project will be completed, in accordance with SMC 13.12.700(E)(2).

**13.12.700 Permits.**

A. Floodplain Development Permit.

1. For all applicable development within the special flood hazard area ~~regulatory floodplain~~, a floodplain development permit shall be obtained before construction or development occurs.
2. Activities allowed by SMC Title 20, Shoreline Development Code, are allowed, provided they meet all the other requirements of this chapter, including the analysis required in SMC 13.12.600(C) and the habitat impact assessment required under SMC 13.12.600(F), a floodplain development permit is issued, and all other federal, state, and local requirements are met.
3. The site shall be reasonably safe from flooding.
4. Proposed development shall not be located in the floodway. If development is located in the floodway, the encroachment provisions of 13.12.600(C) shall be satisfied.
35. A floodplain development permit is a Type A permit administered according to SMC 20.30.040, except that the director shall approve extensions beyond 180 days following complete application and following issuance.

~~46.~~ All activities within the special flood hazard area ~~regulatory floodplain~~ must meet all applicable federal, state, and local requirements.

B. ~~Partial Permit Exemptions from Habitat Impact Assessment~~. The following activities require a floodplain development permit and are allowed in the special flood hazard area ~~regulatory floodplain~~ without ~~the analysis required in SMC 13.12.600(C) or the habitat impact assessment required under SMC 13.12.600(F)~~, provided ing all other requirements are met, including federal, state, and local requirements:

1. Repair or remodeling of an existing structure, if the repair or remodeling is not a substantial improvement, or a repair of substantial damage.
2. Expansion of an existing structure that is no greater than 10 percent beyond its existing footprint; provided, that the repairs or remodeling is not a substantial improvement, or a repair of substantial damage. This measurement is counted cumulatively from September 22, 2011. If the structure is in the floodway, there shall be no change in the dimensions perpendicular to flow.
3. Activities with the sole purpose of creating, restoring, or enhancing natural functions associated with floodplains, streams, lakes, estuaries, marine areas, habitat, and riparian areas, provided the activities do not include structures, grading, fill, or impervious surfaces.
4. Development of open space and recreational facilities, such as parks and trails, that do not include structures, fill, impervious surfaces or removal of more than five percent of the native vegetation on that portion of the property in the ~~regulatory~~ floodplain.
- ~~5. Repair to on-site septic systems provided the ground disturbance is the minimal necessary.~~
- ~~6. Alterations in response to emergencies which threaten the public health, safety and welfare or which pose an imminent risk of damage to private property consistent with the requirements of SMC 20.80.030(A).~~

C. Permit Exemptions. Activities that do not meet the definition of “development” in SMC 13.12.105 are allowed in the special flood hazard area ~~regulatory floodplain~~ and do not require a floodplain development permit. The following are examples of activities not considered development or “constructed changes to improved or unimproved real estate”:

1. Routine maintenance of landscaping that does not involve grading, excavation, or filling;
2. Removal of noxious weeds and replacement of nonnative vegetation with native vegetation provided no earth movement occurs;
3. Removal of hazard trees consistent with the requirements of SMC 20.50.310(A)(1) or SMC 20.80.030(~~HF~~);
4. Normal maintenance of structures, such as reroofing and replacing siding, provided such work does not qualify as a substantial improvement;
5. Normal maintenance of above-ground utilities and facilities, such as replacing downed power lines and utility poles;
6. Normal street and road maintenance, including filling potholes, repaving, and installing signs and traffic signals, but not including expansion of paved areas;
7. Normal maintenance of a levee or other flood control facility prescribed in the operations and maintenance plan for the levee or flood control facility are allowed in the special flood hazard

~~area regulatory floodplain~~ without need for a floodplain development permit. Normal maintenance does not include repair from flood damage, expansion of the prism, expansion of the face or toe or addition for protection on the face or toe with rock armor;

8. Normal maintenance, operation or repair of publicly improved recreation areas as long as any such activity does not include expansion of uses and/or facilities into a previously unimproved portion of the ~~special flood hazard area regulatory floodplain~~ and is consistent with the standards of Chapter 20.80 SMC, Critical Areas, best available science or adaptive management plans as recognized by the city; and

9. Site investigative work and studies necessary for preparing land use applications.

D. Floodplain Development Permit Application. Application for a floodplain development permit shall be made on forms furnished by the director and shall include all of the following that are applicable:

1. Assessment of the impact on those factors that contribute to increased flood hazard and degradation of habitat. If the assessment concludes that the project will cause an adverse effect outside the protected area, the permit will be denied unless the project impacts are mitigated (avoided, rectified or compensated).

2. A description of the extent to which a stream, lake, or other water body, including its shoreline, will be altered or relocated as a result of the proposed development.

3. Documentation that the applicant will apply for all necessary permits required by federal and state law. The application shall include written acknowledgment that the applicant understands that the final certification of use or certificate of occupancy will be issued only if the applicant provides copies of the required federal and state permits or letters stating that a permit is not required. The floodplain permit is not valid if those other permits and approvals are not obtained prior to any ground disturbing work or structural improvements.

4. Acknowledgment by the applicant that representatives of any federal or state unit of government with regulatory authority over the project are authorized to enter upon the property to inspect the development.

5. Elevation in relation to mean sea level, of the lowest floor (including basement) of all structures recorded on a current elevation certificate with Section B completed by the Floodplain Administrator;

6. Elevation in relation to mean sea level to which any structure has been flood proofed;

7. Where a structure is to be flood proofed, certification by a registered professional engineer or architect that the flood proofing methods for any nonresidential structure meet required flood proofing standards;

8. Description of the extent to which a watercourse will be altered or relocated as a result of proposed development;

9. Where a structure is proposed in a V, V1-30, or VE zone, a V-zone design certificate;

10. Where a structure is proposed in a floodway, an engineering analysis indicating no rise of the Base Flood Elevation;

11. Site plan(s), meeting city criteria and showing;

- a. The nature, location, dimensions, and elevations of the property in question;
- b. Names and location of all lakes, water bodies, waterways and drainage facilities within 300 feet of the site;
- c. The elevations of the 10-, 50-, 100-, and 500-year floods, where the data are available. Elevation datum shall be the North America Vertical Datum of 1988 (NAVD 1988) with conversions provided as needed;
- d. The boundaries of the ~~regulatory~~ floodplain, SFHA, floodway, riparian habitat zone, and channel migration area, delineated in accordance with SMC 13.12.300;
- e. The proposed drainage system including, but not limited to, storm sewers, overland flow paths, detention facilities and roads;
- f. Existing and proposed structures, fill, pavement and other impervious surfaces, and sites for storage of materials;
- g. All wetlands and the required buffers;
- h. The riparian habitat zone for all development proposals within 300 feet of any stream or shoreline;
- i. Designated fish and wildlife habitat conservation areas, and habitat areas identified for conservation or protection under state, federal or local laws or regulations, for example the Endangered Species Act, Magnuson-Stevens Fishery Conservation and Management Act, Growth Management Act, Shorelines Management Act, or Priority Habitat and Species List;
- j. Existing native vegetation and proposed revegetation.

~~6~~12. If the proposed project involves grading, excavation, or filling, the site plan shall include proposed post-development terrain at one-foot contour intervals within the SFHA;

~~7~~13. If the proposed project includes a new structure, substantial improvement, or repairs to a substantially damaged structure that will be elevated, the application shall include the flood protection elevation for the building site and the proposed elevations of the following:

- a. The top of bottom floor, including basement, crawl space, or enclosure floor;
- b. The top of the next higher floor;
- c. The bottom of the lowest horizontal structural member (in V zones only);
- d. The top of the slab of an attached garage;
- e. The lowest elevation of machinery or equipment servicing the structure;
- f. The lowest adjacent (finished) grade next to structure;
- g. The highest adjacent (finished) grade next to structure;
- h. The lowest adjacent grade at the lowest elevation of a deck or stairs, including structural support.



~~§14.~~ If the proposed project includes a new structure, substantial improvement, or repairs to a substantially damaged nonresidential structure that will be dry floodproofed, the application shall include the FPE for the building site and the elevation in relation to the datum of the effective FIRM to which the structure will be dry floodproofed, along with a certification by a registered professional engineer or licensed architect that the dry floodproofing methods meet the appropriate floodproofing criteria in SMC 13.12.505 and 13.12.510~~(B)~~;

~~§15.~~ The proposed project must be designed and located so that new structural flood protection is not needed; and

16. Any other such information that may be reasonably required by the director in order to review the application.

E. Certificate of Occupancy.

1. The building official shall not issue a certificate of occupancy or final building permit for a new or substantially improved structure or an addition until:

- a. The permittee provides a properly completed elevation or floodproofing certificate showing finished construction data as required by SMC 13.12.800(A);
- b. All work identified in a mitigation plan required by SMC 13.12.600(F) and (G) has been completed according to the plan's schedule;
- c. The permittee provides copies of all required federal, state, and local permits noted in the permit application per subsection (D)(3) of this section;
- d. All other provisions of this chapter have been met.

2. The director may accept a financial guarantee, in an amount determined by the director, to ensure completion of portions of the project following issuance of the certification of use or certificate of occupancy.

**13.12.800 Administration.**

A. Records. The director shall retain the following records:

- 1. All records pertaining to the provisions of this chapter.
- 2. Where base flood elevation data have been obtained pursuant to SMC 13.12.300(~~CB~~) and (~~ED~~), the director shall obtain, record, and maintain the actual "finished construction" elevations for the locations listed in SMC 13.12.700(D)(~~713~~). This information shall be recorded on a current FEMA elevation certificate (FEMA Form 81-31), signed, and sealed by a professional land surveyor, currently licensed in the state of Washington.
- 3. For all new or substantially improved dry floodproofed nonresidential structures, where base flood elevation data have been obtained pursuant to SMC 13.12.300(~~CB~~) and (~~ED~~), the director shall obtain, record and maintain the elevation (in relation to the datum of the effective FIRM) to which the structure was floodproofed. This information shall be recorded on a current FEMA floodproofing certificate (FEMA Form 81-65), by a professional engineer, currently licensed in the state of Washington.

B. Appeals. Any requirement, decision, or determination made by the director in the enforcement or administration of this chapter is appealable according to the procedures described in SMC 20.30.200 through 20.30.270.

C. Floodplain Variance.

1. Each floodplain variance pertains to a physical piece of property. The variance is not personal in nature and is not based on the inhabitants or their health, economic, or financial circumstances.
2. The director shall review and issue variances from the requirements of this chapter.
3. Upon consideration of the following criteria and the purposes of this chapter, the director may attach such conditions to the granting of the floodplain variance as deemed necessary to further the purposes of this chapter.

4. Criteria.

a. No floodplain variance shall be granted to the requirements of this chapter unless the applicant demonstrates that upon a showing of good and sufficient cause:

- i. The development project cannot be located outside the ~~regulatory floodplain~~ SFHA;
- ii. An exceptional hardship would result if the variance were not granted;
- iii. The relief requested is the minimum necessary;
- iv. The applicant's circumstances are unique and do not represent a problem faced by other area properties;
- v. If the project is within a designated floodway, no increase in flood levels during the base flood discharge would result;
- vi. The project will not adversely affect features or quality of habitat supporting local, state or federally protected fish or wildlife;
- vii. There will be no additional threat to public health, safety, beneficial stream or water uses and functions, or creation of a nuisance;
- viii. There will be no additional public expense for flood protection, lost environmental functions, rescue or relief operations, policing, or repairs to streambeds, shorelines, banks, roads, utilities, or other public facilities; and
- ix. All requirements of other permitting agencies will still be met, including the ESA.

b. In reviewing applications for a floodplain variance, the director shall consider all technical evaluations, all relevant factors, standards specified in other sections of this chapter, and:

- i. The danger to life and property due to flooding or erosion damage;
- ii. The danger that materials may be swept onto other lands to the injury of others;
- iii. The safety of access to the property in times of flood for ordinary and emergency vehicles;
- iv. The expected heights, velocity, duration, rate of rise, and sediment transport of the floodwaters and the effects of wave action, if applicable, expected at the site;
- v. The susceptibility of the proposed facility and its contents to flood or erosion damage and the effect of such damage on the individual owner;

- vi. The availability of alternative locations for the proposed use which are not subject to flooding or channel migration and are not in designated fish and wildlife habitat conservation areas;
  - vii. The relationship of the proposed use to the comprehensive plan, growth management regulations, critical area regulations, the shoreline management program, and floodplain management program for that area;
  - viii. The costs of providing governmental services during and after flood conditions, including maintenance and repair of public utilities and facilities such as sewer, gas, electrical, and water systems, and streets and bridges;
  - ix. The potential of the proposed development project to destroy or adversely affect a fish and wildlife habitat conservation area or create an adverse effect to federal, state or locally protected species or habitat; and
  - x. The potential of the proposed development project to affect, or be affected by, channel migration.
- c. A floodplain variance requested in connection with restoration of an historic site, building, or structure may be granted using the following criteria:
- i. The repair or rehabilitation is the minimum necessary to preserve the historic character and design of the site, building or structure; and
  - ii. The repair or rehabilitation will not result in the site, building, or structure losing its historic designation.
- d. A floodplain variance may be requested for new construction, substantial improvements, and other development necessary for the conduct of functionally dependent uses provided:
- i. There is good and sufficient cause for providing relief;
  - ii. The variance does not cause a rise in the 100-year flood level within the regulatory floodway;
- e. A floodplain variance to the provisions of SMC 13.12.500 through 13.12.510 may be issued for a structure on a small or irregularly shaped lot contiguous to and surrounded by lots with existing structures constructed below the FPE, providing the other variance criteria are met. The applicant for such a variance shall be notified, in writing, that the structure (i) will be subject to increased premium rates for flood insurance up to amounts as high as \$25.00 for \$100.00 of insurance coverage and (ii) such construction below the FPE increases risks to life and property. Such notification shall be maintained with a record of all variance actions.

D. Violations. Any activity or action caused or permitted to exist in violation of this chapter is a threat to public health, safety, and welfare, and is declared and deemed a public nuisance. Such violations are subject to enforcement under SMC 20.30.720 through 20.30.790. No development shall be undertaken or placed in the areas regulated by this chapter without full compliance with the terms of this chapter and other applicable regulations of the city of Shoreline.

E. Interpretation. In the interpretation and application of this chapter, all provisions shall be:

- 1. Considered as minimum requirements;

2. Liberally construed in favor of the city; and

3. Deemed neither to limit nor to repeal any other powers granted under state statutes.

F. Abrogation and Greater Restrictions. This chapter is not intended to repeal, abrogate, or impair any existing easements, covenants, deed restrictions, codes, or ordinances. However, where this chapter and another code, ordinance, easement, covenant, or deed restriction conflict or overlap, whichever imposes the more stringent restrictions shall prevail.

G. Warning and Disclaimer of Liability. The degree of property and habitat protection required by this chapter is considered reasonable for regulatory purposes and is based on scientific and engineering considerations. Larger floods and movement of channels outside of mapped channel migration areas can and will occur on rare occasions. Flood heights may be increased by nonnatural or natural causes. This chapter does not imply that land outside the regulated areas or development permitted within such areas will be free from flood or erosion damage. This chapter shall not create liability on the part of city of Shoreline or any officer or employee thereof for any damage to property or habitat that results from reliance on this chapter or any administrative decision lawfully made hereunder.

H. Severability. The provisions and sections of this chapter shall be deemed separable and the invalidity of any portion of this chapter shall not affect the validity of the remainder.

**Planning Commission Meeting Date: June 4, 2020**

**Agenda Item: 7a.**

**PLANNING COMMISSION AGENDA ITEM**  
CITY OF SHORELINE, WASHINGTON

<b>AGENDA TITLE:</b> Community Renewal Area (CRA) Sign Code Update		
<b>DEPARTMENT:</b> Planning & Community Development		
<b>PRESENTED BY:</b> Nora Gierloff, AICP, Planning Manager		
<input type="checkbox"/> <b>Public Hearing</b>	<input checked="" type="checkbox"/> <b>Study Session</b>	<input type="checkbox"/> <b>Recommendation</b>
<input type="checkbox"/> <b>Discussion</b>	<input type="checkbox"/> <b>Update</b>	<input type="checkbox"/> <b>Other</b>

**INTRODUCTION**

The Aurora Square Community Renewal Area (CRA) at the southwest quadrant of S. 150<sup>th</sup> Street and Aurora Avenue S. was designated in 2012 to spur redevelopment of this prime commercial property. The Aurora Square Community Renewal Area Planned Action adopted in 2015 contains a variety of regulations and standards unique to the CRA, including a separate set of signage standards, intended to shape future development in that area.

The unique sign code for this area supports the vision of a vibrant, mixed use urban village and as redevelopment begins staff is proposing some updates to better serve the development types planned for the site. For example, the proposed changes provide different signage allowances for ground floor retail spaces than apartment buildings to support their different advertising needs.

These proposed amendments to Shoreline Municipal Code (SMC) Title 20 (Development Code) are processed as legislative decisions. Legislative decisions are non-project decisions made by the City Council under its authority to establish policies and regulations. The Planning Commission is the reviewing authority for legislative decisions and is responsible for holding an open record Public Hearing on the proposed Development Code amendment and making a recommendation to the City Council.

The purpose of this study session is to:

- Have a collaborative discussion with the Commission about proposed amendments
- Review the proposed Sign Code Amendments
- Respond to questions regarding the proposed amendments
- Receive feedback from the Commission on the merits of the amendments
- Determine what amendments need more research/analysis
- Identify if there is a need for additional amendments
- Deliberate and, if necessary, ask further questions of staff
- Develop a recommended set of Sign Code Amendments for the Public Hearing

**Approved By:** Project Manager \_\_\_\_\_

**Planning Director** \_\_\_\_\_

## 7a. Staff Report - Community Renewal Area Sign Code Update

### BACKGROUND

The City of Shoreline designated a 70-acre area around the Sears, Central Market, and WSDOT complex as the Aurora Square Community Renewal Area in September 2012. By designating the CRA, Council established that economic renewal would be in the public interest, and that City resources could be justifiably utilized to encourage redevelopment.



Council then adopted the Aurora Square Community Renewal Area Planned Action in August 2015. The planned action contains development regulations, design standards, signage standards, residential unit thresholds, commercial building thresholds and other goals and policies to shape future development in that area. With the adoption of the Development Agreement with Merlone Geier Partners for the Sears portion of the site on September 9, 2019 this vision is closer than ever to being realized.

### **Public Outreach**

A draft of the proposed changes in strikeout/underline format along with a cover letter explaining the reason for the amendments and the update process was mailed and/or emailed to every property owner within the CRA. The proposed sign code changes have also been posted on the City's Shoreline Place web page. Notice of the SEPA determination and this Planning Commission discussion have also been provided to property owners. Only comments from Merlone Geier, the Sears site property owners, have been received to date.

### **SEPA**

The City issued a Determination of Non-significance for the proposed sign code amendments on March 24, 2020. The comment/appeal period ended on April 7, 2020.

## 7a. Staff Report - Community Renewal Area Sign Code Update

### ANALYSIS

As redevelopment of the CRA begins questions have been raised about how to apply the regulations in SMC 20.50.620 to the proposed new development. Staff reviewed the regulations and proposed a series of changes to support the vision for Shoreline Place, address ground floor retail uses, meet new legal standards, and remove penalties for businesses who did not replace their signs by the September 2017 deadline. The most significant changes proposed to the CRA sign regulations are:

- Throughout the code section regulatory language has been changed to be content neutral in compliance with the Reed v. Town of Gilbert Supreme Court decision
- Deletion of changeable electronic message signs
- Deletion of the \$100 per day penalty for failure to install new signage by September 1, 2017
- Clarification for how the sign copy area is calculated
- Allowing one monument sign per driveway rather than two
- Reducing the amount of monument and pylon sign copy area that must be devoted to advertising Shoreline Place rather than the individual tenants
- Monument signs in the CRA but outside of the lifestyle center (WSDOT, NW School for Deaf Children) are not required to advertise Shoreline Place
- Increase in allowed height for the CRA pylon signs from 25 to 35 feet to facilitate reuse of existing sign structures
- Creating a sign allowance for ground floor storefronts in addition to the wall signs allowed for the upper residential floors of mixed-use buildings
- Clarifying that wall signs can use the tenant's font and colors rather than the Shoreline Place design
- Allowing retail leasing signs
- No business may be listed on a new freestanding sign until any non-conforming freestanding sign listing that business is removed or brought into compliance with the sign code
- Duplicate language about exempt signs is removed

A strikeout/underline version of the CRA Sign Code showing these proposed changes with notations explaining the reasoning behind the changes is included as Attachment A.

### **Development Code Amendment Decision Criteria**

SMC 20.30.350 states, "An amendment to the Development Code is a mechanism by which the City may bring its land use and development regulations into conformity with the Comprehensive Plan or respond to changing conditions or needs of the City". Development Code amendments may also be necessary to reduce confusion and clarify existing language, respond to regional and local policy changes, update references to other codes, eliminate redundant and inconsistent language, and codify Administrative Orders previously approved by the Director. Regardless of their purpose, all amendments are to implement and be consistent with the Comprehensive Plan.

## 7a. Staff Report - Community Renewal Area Sign Code Update

The decision criteria for a Development Code amendment in SMC 20.30.350 (B) states the City Council may approve or approve with modifications a proposal for a change to the text of the land use code when all of the following are satisfied.

B. Decision Criteria. The City Council may approve or approve with modifications a proposal for the text of the Land Use Code if:

### 1. The amendment is in accordance with the Comprehensive Plan; and

Relevant Comprehensive Plan Policies Regarding Signs and the CRA:

**Goal CD I:** Promote community development and redevelopment that is aesthetically pleasing, functional, and consistent with the City's vision.

#### Signs

- CD6. Encourage signage to be complementary in scale to the building architecture and site design.
  - CD7. Discourage multiple or large signs that clutter, distract, or dominate the streetscape of commercial areas.
  - CD8. Be attentive to loss of non-conforming status as an opportunity to remove billboards.
  - CD9. Encourage the consolidation of signs on a single structure where a commercial development includes multiple businesses.
  - CD10. Encourage signs on multi-tenant buildings to be complementary in size and style for all commercial and mixed-use zones.
  - CD11. Discourage signage that is distracting to drivers.
  - CD12. Improve permit process for temporary signs or banners.
- ED12: Revitalize commercial business districts and encourage high-density mixed-use in these areas.
- ED29: Reinvent Aurora Square to help catalyze a master-planned, sustainable lifestyle destination.

Staff Analysis: The proposed amendments seek to balance the goals of reducing visual clutter with creating a strong brand identity for Shoreline Place and the marketing needs and expectations of individual retail tenants. Under the proposed sign regulations greater design consistency is required for the multi-tenant street facing monument and pylon signs than the individual building mounted signs. Building signs are scaled to the area or length of the tenant façade so that they do not dominate the architecture of the building. Temporary signs are available for special events and promotions but are limited in size and duration.

In these ways the proposed amendments implement the relevant Comprehensive Plan guidance listed above.

### 2. The amendment will not adversely affect the public health, safety or general welfare; and



## **7a. Staff Report - Community Renewal Area Sign Code Update**

Staff Analysis: The amended sign code will continue to further the City's community development and revitalization goals for the CRA by enhancing the marketability of the stores and apartments and improving wayfinding throughout the site. Eliminating changing electronic message boards will remove a source of distraction for drivers on Aurora and Westminster.

### **3. The amendment is not contrary to the best interest of the citizens and property owners of the City of Shoreline.**

Staff Analysis: The Council has determined that redevelopment of the CRA to create housing, jobs, and community serving retail is in the best interest of the City, its residents, and its business community. These amendments seek to support that redevelopment by creating sign types tailored to the mixed-use development types anticipated in the Planned Action. They also remove penalties for property owners who have not installed updated signage by the 2017 deadline in the current code.

### **RECOMMENDATION**

This meeting is for study and discussion purposes only. Staff will bring back a formal recommendation at the public hearing on July 16, 2020.

### **NEXT STEPS**

July 16 – Hold a public hearing and make a Planning Commission recommendation to the City Council.

### **Attachments**

Attachment A - Proposed CRA Sign Code Amendments

Attachment A

**20.50.620 Aurora Square Community Renewal Area sign standards.**

**A. Purpose.** The purposes of this section are:

1. To provide standards for the effective use of signs as a means of business identification that enhances the aesthetics of business properties and economic viability.
2. To provide a cohesive and attractive public image of the Aurora Square Community Renewal Area lifestyle center.
3. To protect the public interest and safety by minimizing the possible adverse effects of signs.
4. To establish regulations for the type, number, location, size, and lighting of signs that are complementary with the building use and compatible with their surroundings.

**B. Location Where Applicable.** Map 20.50.620.B illustrates the Aurora Square CRA where the sign standards defined in this section apply.

Map 20.50.620.B—Aurora Square CRA



**C. Definitions.** The following definitions apply to this section:

**CRA** Aurora Square Community Renewal Area, as defined by Resolution 333, the Aurora Square Community Renewal Area Plan, and Map 20.50.620.B.

2/21/2020

# Attachment A - Community Renewal Area Sign Code Update

<b>CRA Building-Mounted Sign</b>	A sign permanently attached to a building, including flush-mounted, projecting, awning, canopy, or marquee signs. Under-awning or blade signs are regulated separately.
<b>CRA Lifestyle Center</b>	That portion of the Aurora Square CRA envisioned in the CRA Renewal Plan as interrelated retail, service, and residential use.
<b>CRA Lifestyle Frontage</b>	Those sections of the streets that directly serve and abut the CRA lifestyle center. The three CRA lifestyle frontages are on portions of N 160th St, Westminster Way N, and Aurora Ave N.
<b>CRA Monument Sign</b>	A freestanding sign with a solid-appearing base under at least 75 percent of sign width from the ground to the base of the sign or the sign itself may start at grade. Monument signs may also consist of cabinet or channel letters mounted on a fence, freestanding wall, or retaining wall where the total height of the structure meets the limitations of this code.
<b>CRA Pylon Sign</b>	A freestanding sign with a visible support structure or with the support structure enclosed with a pole cover.
<b>CRA Signage Design Guidelines</b>	The set of design standards adopted by the City that specifies the common name, logo, taglines, fonts, colors, and sign standards used on freestanding signs throughout the CRA lifestyle center.
<b>CRA Under-Awning Sign</b>	A sign suspended below a canopy, awning or other overhanging feature of a building.
<b>CRA Wayfinding Sign Post</b>	A sign with multiple individual panels acting as directional pointers that are suspended from a freestanding post.
<del><b>Electronic Message Center (EMC)</b></del>	<del>A sign with a programmable, changeable digital message.</del>
<b>Portable Sign</b>	A sign that is readily capable of being moved or removed, whether attached or affixed to the ground or any structure that is typically intended for temporary display.
<b>Temporary Sign</b>	A sign that is only permitted to be displayed for a limited period of time, after which it must be removed.
<b>Window Sign</b>	A sign applied to a window or mounted or suspended directly behind a window.

## D. Permit Required.

1. Except as provided in this section, no permanent sign may be constructed, installed, posted, displayed or modified without first obtaining a sign permit approving the proposed sign's size, design, location, ~~display~~, and, ~~where applicable~~, adherence to the CRA signage design guidelines.
2. No permit is required for normal and ordinary maintenance and repair, and changes to the graphics, symbols, or copy of a sign, without affecting the size, structural design or height. Exempt changes to the graphics, symbols or copy of a sign must meet the standards defined herein.

**Commented [NG1]:** Changing message signs will not be allowed.

**Commented [NG2]:** Below I have tried to define where these are applicable.

# Attachment A - Community Renewal Area Sign Code Update

3. All CRA pylon, CRA monument, and CRA wayfinding signs within the CRA Lifestyle Center shall conform to the CRA signage design guidelines. For all other types of unique, sculptural or artistic signs, if an applicant seeks to depart from the standards of this section, the applicant must receive an administrative design review approval under SMC 20.30.297.

~~4. The City reserves the right to withhold sign permits and to assess the property owner up to \$100.00 per day for failure to install the signs indicated herein by September 1, 2017.~~

**Commented [NG3]:** These amendments remove the penalty for not previously installing CRA signage.

## E. Sign Design.

1. **Sight Distance.** No sign shall be located or designed to interfere with visibility required by the City of Shoreline for the safe movement of pedestrians, bicycles, and vehicles.

2. **Private Signs on City Right-of-Way.** No portion of a private signs, above or below ground, shall be located partially or completely in a public right-of-way unless a right-of-way permit has been approved consistent with Chapter 12.15 SMC and is allowed under SMC 20.50.540 through 20.50.610.

3. **Sign Copy Area.** Calculation of sign area for channel letters or painted signs shall be the total area of all use rectangular areas (each drawn with a maximum of six right angles) that enclose each portion of the signage such as words, logos, graphics, and symbols other than nonilluminated background. Sign area for cabinet signs shall be the entire face of the cabinet. Sign area for signs that project out from a building or are perpendicular to street frontage are measured on one side even though both sides can have copy of equal size. Supporting structures such as sign bases and columns are not included in sign area provided that they contain no lettering or graphics except for addresses.

4. **Building Addresses.** Building addresses should be installed on all buildings consistent with SMC 20.70.250(C) and will not be counted as sign copy area.

5. **Materials and Design.** All signs, except temporary signs, must be constructed of durable, maintainable materials. Signs that are made of materials that deteriorate quickly or that feature impermanent construction are not permitted for permanent signage. For example, plywood or plastic sheets without a sign face overlay or without a frame to protect exposed edges are not permitted for permanent signage.

6. **CRA Signage Design Guidelines.** Design and content of the CRA pylon, CRA monument, and CRA wayfinding sign posts within the CRA Lifestyle Center shall conform to the CRA signage design guidelines. In addition, all other permanent or temporary signage or advertising displaying the common name, logo, colors, taglines, or fonts of the CRA lifestyle center shall comply with the CRA signage design guidelines.

**Commented [NG4]:** Council will need to approve these.

7. **Illumination.** Where illumination is permitted per Table 20.50.620.E.8 the following standards must be met:

- a. Channel lettering or individual backlit letters mounted on a wall, or individual letters placed on a raceway, where light only shines through the copy.
- b. Opaque cabinet signs where light only shines through copy openings.

# Attachment A - Community Renewal Area Sign Code Update

- c. Shadow lighting, where letters are backlit, but light only shines through the edges of the copy.
- d. Neon signs.
- e. All external light sources illuminating signs shall be less than six feet from the sign and shielded to prevent direct lighting from entering adjacent property.

~~f. — EMC messages shall be monochromatic. EMCs shall be equipped with technology that automatically dims the EMC according to light conditions, ensuring that EMCs do not exceed 0.3 foot candles over ambient lighting conditions when measured at the International Sign Association’s recommended distance, based on the EMC size. EMC message hold time shall be 10 seconds with dissolve transitions. Ten percent of each hour shall advertise civic, community, educational, or cultural events.—~~

fg. Building perimeter/outline lighting is allowed for theaters only.



Individual backlit letters (left image), opaque signs where only the light shines through the copy (center image), and neon signs (right image).

8. **Sign Specifications.**

**Table 20.50.620.E.8 Sign Dimensions**

CRA MONUMENT SIGNS	
Maximum Sign Copy Area	One hundred square feet. The monument sign must be double-sided if the back of the sign is visible from the street.
Maximum Structure Height	Eight feet
Maximum Number Permitted	<del>One</del> Two per driveway.
Sign <del>Content</del> Design	At least <del>50</del> 15 percent of the sign copy area shall be used to identify the CRA lifestyle center. Individual business <del>names</del> listings, if shown, shall not include logos and shall be a <del>single</del> common color <del>scheme and font</del> conforming to the CRA signage design guidelines.

# Attachment A - Community Renewal Area Sign Code Update

Location	At any driveway to a CRA lifestyle frontage.
Illumination	Permitted.
<del>Mandatory Installation</del>	<del>At least one monument sign shall be installed at each of three vehicle entries to the CRA lifestyle center by September 1, 2017. An extension of up to one year can be granted by the City Manager to accommodate active or planned construction at or near the vehicle entrance.</del>
<b>MONUMENT SIGNS OUTSIDE OF THE CRA LIFESTYLE CENTER</b>	
Maximum Sign Copy Area	Fifty square feet.
Maximum Structure Height	Six feet.
Maximum Number Permitted	One per parcel with up to 250 ft. of street frontage, two for parcels with 250 feet or more of frontage on the same street. Signs must be 150 ft. apart from other signs on the same parcel.
Sign Design	Conformance to the CRA signage design guidelines is optional.
Illumination	Permitted.
<b>CRA WAYFINDING SIGN POSTS</b>	
Maximum Sign Copy Area	Two square feet per business <del>name listing</del> ; no limit on number of businesses displayed.
Maximum Structure Height	Ten feet.
Maximum Number Permitted	No limit.
Sign <del>Content</del> Design	Individual business <del>names-listings</del> shall not include logos and shall be in a single common color conforming to the CRA signage design guidelines. <del>There is no restriction on font.</del> Directional arrow background may be of a contrasting color.
Location	<del>Throughout</del> Anywhere in the CRA lifestyle center. <del>Must be set back at least 25 feet from R-O-W along the CRA Lifestyle Frontages.</del>
Illumination	<del>Not permitted.</del> Permitted
<del>Mandatory Installation</del>	<del>At least 12 CRA wayfinding sign posts shall be installed in the CRA lifestyle center by September 1, 2017. An extension of up to one year can be granted by the City Manager to accommodate active or planned construction within the center.</del>
<b>CRA PYLON SIGN</b>	
Maximum Sign Copy Area	Three hundred square feet.
Maximum Structure Height	<del>Thirty</del> Twenty-five feet.
Maximum Number Permitted	Three pylon signs are allowed.

**Commented [NG5]:** For example, WSDOT should not have to follow the CRA sign guidelines.

# Attachment A - Community Renewal Area Sign Code Update

Sign <del>Content</del> Design	At least <u>1525</u> percent of the sign copy area shall be used for identification of the CRA lifestyle center. <del>Up to 50 percent of the sign copy area may be used for a monochromatic electronic message center (EMC). Individual business names listings, if shown, shall not include logos must use a color scheme and font conforming to the CRA signage design guidelines but may include any color.</del>
Location	One sign can be located on each of the CRA lifestyle frontages that are directly across from properties with Mixed Business (MB) zoning.
Illumination	Permitted.
Mandatory Installation	<del>Three CRA pylon signs shall be installed by July 1, 2017. An extension of up to one year can be granted by the City Manager to accommodate active or planned construction at or near the pylon locations.</del>
<b>CRA BUILDING-MOUNTED SIGN</b>	
Maximum Sign Copy Area	<p><u>Ground Floor Storefronts: 1.5 square feet of sign area per lineal foot of storefront that contains a public entrance.</u></p> <p><u>Ground Floor Side/Rear Walls without Public Entrances: .75 square feet of sign area per lineal foot of wall fronting a tenant space if the wall meets one of these standards:</u></p> <ol style="list-style-type: none"> <li><u>1) Transparent glazing between the heights of 3' and 8' along at least 50% of the tenant space;</u></li> <li><u>or</u></li> <li><u>2) A trellis with live, irrigated landscaping along at least 50% of the tenant space; or</u></li> <li><u>3) Architectural detailing consistent with the other building facades such as awnings, canopies, changes in building material, and modulation.</u></li> </ol> <p><u>Residential Buildings: Two elevations may have Maximum sign area equal to shall not exceed 2.515 percent of the building elevation fronting the residential use of the tenant fascia or a maximum of 500 square feet, whichever is less.</u></p>
Maximum Structure Height	Not limited. Projecting, awning, canopy, and marquee signs (above awnings) shall clear sidewalk by nine feet and not project beyond the awning extension or eight feet, whichever is less. These signs may project into public rights-of-way, subject to City approval.
Projecting Signs	<u>Maximum of one projecting sign per public entrance. Maximum size is 4' by 3' or 15% of the business's maximum sign copy area, whichever is smaller.</u>

# Attachment A - Community Renewal Area Sign Code Update

Number Permitted	The <u>maximum</u> sign <u>copy</u> area per business may be distributed into multiple <u>wall, projecting, awning, canopy or marquee</u> signs; provided, that the aggregate sign area is equal to or less than the maximum allowed sign <u>copy</u> area. <u>Signs must be placed on the building elevation used to calculate their maximum sign copy area.</u>  <del>Maximum of one projecting sign per tenant, per fascia. Maximum sign area of projecting sign shall not exceed 10 percent of tenant's allotted wall sign area.</del>
<u>Sign Design</u>	<u>Individual business building-mounted signs do not need to meet the Design Guidelines for color or font.</u>
Illumination	Permitted.
<b>CRA UNDER-AWNING SIGNS</b>	
Maximum Sign Copy Area	Twelve square feet <u>which does not count against the maximum sign copy area per business</u> .
Minimum Clearance from Grade	Eight feet.
Maximum Structure Height	Not to extend above or beyond awning, canopy, or other overhanging feature of a building under which the sign is suspended. Signs may project into the public right-of-way subject to City approval.
Number Permitted	One per <u>publicbusiness</u> entrance.
<u>Sign Design</u>	<u>Individual business under-awning signs do not need to meet the Design Guidelines for color or font.</u>
Illumination	External only.

9. **Window Signs.** Window signs are permitted to occupy maximum 25 percent of the total window area. Window signs are exempt from permit if nonilluminated and do not require a permit under the building code.

10. **A-Frame Signs.** A-frame, or sandwich board, signs are exempt from permit but subject to the following standards:

- a. Maximum ~~two~~one signs per ~~business~~residential building;
- b. ~~Must contain the business's name and m~~ay ~~not~~ be located on the City right-of-way in any of the CRA lifestyle frontages;
- c. Cannot be located within the required clearance for sidewalks and internal walkways as defined for the specific street classification or internal circulation requirements;
- d. Shall not be placed in landscaping, within two feet of the street curb where there is on-street parking, public walkways, or crosswalk ramps;
- e. Maximum two feet wide and three feet tall, not to exceed six square feet in area;



- f. No lighting of signs is permitted;
- g. All signs shall be removed from display when the business closes each day; and
- h. A-frame/sandwich board signs are not considered structures.

11. Retail Leasing Signs. Signs are exempt from permit but subject to the following standards:

- a. Maximum one sign per CRA frontage per parcel;
- b. May not be located on the City right-of-way in any of the CRA lifestyle frontages;
- c. Cannot be located within the required clearance for sidewalks and internal walkways as defined for the specific street classification or internal circulation requirements;
- d. Shall not be placed in landscaping, within two feet of the street curb where there is on-street parking, public walkways, or crosswalk ramps;
- e. Maximum sign area of eight feet wide and four feet tall plus support posts, total height not to exceed eight feet;
- f. No lighting of signs is permitted;

**F. Prohibited Signs.**

- 1. Spinning devices; flashing lights; searchlights; or reader board signs. Traditional barber pole signs allowed.
- 2. Portable signs, except A-frame signs as allowed by subsection (I) of this section.
- 3. Outdoor off-premises advertising signs (billboards).
- 4. Signs mounted on the roof or projecting above the parapet of the building wall on which it is mounted.
- 5. Inflatables.
- 6. Signs mounted on vehicles.

**G. Nonconforming Signs.**

- 1. No business may be listed on a CRA pylon, CRA monument, or CRA wayfinding sign until any existing non-conforming freestanding sign listing that business is removed or brought into compliance with the requirements of this code. All pylon signs in the CRA lifestyle center existing ~~at on August 10, 2015 the time of adoption of this section~~ are considered nonconforming and shall be removed by September 1, 2017. The City reserves the right to assess the property owner up to \$100.00 per day for failure to remove or bring into compliance such nonconforming signs ~~as indicated.~~
- 2. Nonconforming signs shall not be altered in size, shape, height, location, or structural components without being brought to compliance with the requirements of this code. Repair and

maintenance are allowable, but may require a sign permit if structural components require repair or replacement.

~~3. Electronic changing message (EMC) or reader boards may not be installed in existing, nonconforming signs without bringing the sign into compliance with the requirements of this code.~~

H. Temporary Signs.

1. **General Requirements.** Certain temporary signs not exempted by SMC 20.50.610 shall be allowable under the conditions listed below. All signs shall be nonilluminated. Any of the signs or objects included in this section are illegal if they are not securely attached, create a traffic hazard, or are not maintained in good condition. No temporary signs shall be posted or placed upon public property unless explicitly allowed or approved by the City through the applicable right-of-way permit. Except as otherwise described under this section, no permit is necessary for allowed temporary signs.

2. **Temporary On-Premises Business Signs.** Temporary banners ~~are permitted to announce sales or special events such as grand openings, or prior to the installation of permanent business signs. Such temporary business signs~~ shall:

- a. Be limited to one sign for businesses under 10,000 sf, and two signs for businesses larger than 10,000 sf ~~but smaller than 40,000 sf, and three signs for businesses larger than 40,000 sf;~~
- b. Be limited to 32 100 square feet in area;
- c. Not be displayed for a period to exceed a total of 60 calendar days effective from the date of installation and not more than ~~four~~ two such 60-day periods are allowed in any 12-month period; and
- ~~d. Be removed immediately upon conclusion of the sale, event or installation of the permanent business signage.~~

3. **Construction Signs.** Banner or rigid signs (such as plywood or plastic) for buildings which are under construction, identifying the architects, engineers, contractors or other individuals or firms involved with the construction of a building or announcing purpose for which the building is intended. Total signage area ~~for both new construction and remodeling~~ shall be a maximum of 32 square feet. Signs shall be installed only upon City approval of the development permit, new construction or tenant improvement permit and shall be removed within seven days of final inspection or expiration of the building permit.

Commented [NG6]: Signs may not be regulated based on content.

4. Feather flags and pennants ~~displayed for no more than 14 days prior and 2 days after community events when used to advertise City sponsored or CRA lifestyle center community events.~~

5. Pole banner signs that are changed semi-annually and mounted on privately owned light poles only identify the CRA lifestyle center.

6. Temporary signs not allowed under this section and which are not explicitly prohibited may be considered for approval under a temporary use permit under SMC 20.30.295 or as part of administrative design review for a comprehensive signage plan for the site.

# Attachment A - Community Renewal Area Sign Code Update

~~I. **Exempt Signs.** The following are exempt from the provisions of this chapter, except that all exempt signs must comply with SMC 20.50.540(A), Sight Distance, and SMC 20.50.540(B), Private Signs on City Right-of-Way:~~

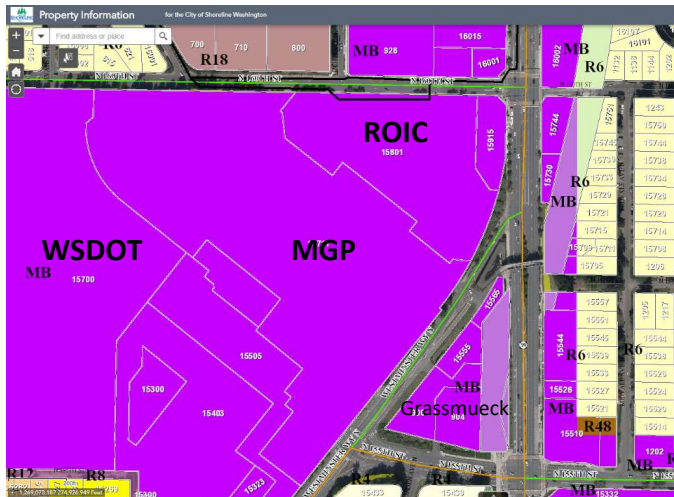
- ~~1. Historic site markers or plaques and gravestones.~~
- ~~2. Signs required by law, including but not limited to:
  - ~~a. Official or legal notices issued and posted by any public agency or court; or~~
  - ~~b. Traffic directional or warning signs.~~~~
- ~~3. Plaques, tablets or inscriptions indicating the name of a building, date of erection, or other commemorative information, which are an integral part of the building structure or are attached flat to the face of the building, not illuminated, and do not exceed four square feet in surface area.~~
- ~~4. Incidental signs, which shall not exceed two square feet in surface area; provided, that said size limitation shall not apply to signs providing directions, warnings or information when established and maintained by a public agency.~~
- ~~5. State or Federal flags.~~
- ~~6. Religious symbols.~~
- ~~7. The flag of a commercial institution, provided no more than one flag is permitted per business; and further provided, the flag does not exceed 20 square feet in surface area.~~
- ~~8. Neighborhood identification signs with approved placement and design by the City.~~
- ~~9. Neighborhood and business block watch signs with approved placement of standardized signs acquired through the City of Shoreline Police Department.~~
- ~~10. Plaques, signs or markers for landmark tree designation with approved placement and design by the City.~~
- ~~11. Real estate signs not exceeding 24 square feet and seven feet in height, not on City right of way. A single fixed sign may be located on the property to be sold, rented or leased, and shall be removed within seven days from the completion of the sale, lease or rental transaction.~~
- ~~12. City sponsored or community wide event signs.~~
- ~~13. Parks signs constructed in compliance with the parks sign design guidelines and installation details as approved by the Parks Board and the Director. Departures from these approved guidelines may be reviewed as departures through the administrative design review process and may require a sign permit for installation.~~
- ~~14. Garage sale signs not exceeding four square feet per sign face and not advertising for a period longer than 48 hours.~~
- ~~15. City land use public notification signs.~~

**Commented [NG7]:** This section is redundant with the language at H1 referencing SMC 20.50.610 Exempt Signs. Proposal is to delete this section.

# Attachment A - Community Renewal Area Sign Code Update

~~16. — Menu signs used only in conjunction with drive-through windows, and which contain a price list of items for sale at that drive-through establishment. Menu signs cannot be used to advertise the business to passersby; text and logos must be of a size that can only be read by drive-through customers. A building permit may be required for menu signs based on the size of the structure proposed.~~

~~17. — Campaign signs that comply with size, location and duration limits provided in Shoreline Administrative Rules. (Ord. 712 § 1 (Exh. A), 2015).~~



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