



Staff Report

Meeting Date: January 25, 2021
From: Emily Meharg, Senior Planner
SUBJECT: 20-032 DCA HB 2001 Code Amendments

BACKGROUND:

File No. 20-032 DCA amends Chapters 17.30, 17.34, 17.60, 17.74, 17.82, 17.98, and 17.100 of the Development Code, which contain the procedures for zoning districts, single-family residential (SFR), flood and slope hazard (FSH) overlay district, accessory development, transit streets, parking, and land division, respectively. The primary goal of the amendments is to amend the Development Code in compliance with House Bill (HB) 2001. HB 2001 requires medium-sized cities to allow attached duplexes anywhere a detached single-family residence is allowed and prevents cities from applying more restrictive development standards to duplexes than what is applied to single-family residences. This includes among other things design standards, parking requirements, and density thresholds. HB 2001 also prevents cities from applying minimum parking standards and owner occupancy requirements to ADUs.

Chapter 17.30 Zoning Districts

- Added a clause stating that duplexes shall be counted the same as a single-family residence for the purpose of calculating density.

Chapter 17.34 Single-family Residential (SFR)

- Added “duplex” as a primary use permitted outright.
- Removed “duplex” as a minor conditional use.
- Amended references to “single detached dwelling” for minimum lot area and minimum average lot width to read “single detached dwelling or duplex.”
- Clarified requirement related to sanitary sewer connection.

Chapter 17.60 Flood and Slope Hazard (FSH) Overlay District

- Added “or duplex” after all references to single-family dwellings.

Chapter 17.74 Accessory Development (specifically Section 17.74.70, ADUs)

- Updated off-street parking standard to be “no minimum.”
- Deleted text related to occupancy limitations.
- Increased maximum square footage of an ADU to 800 square feet.
- Revised design standards and additional requirements to be clear and objective.

Chapter 17.82 Special Setbacks on Transit Streets

- Exempted single-family residences, duplexes, or single-family residences converted to duplexes on a flag lot where the driveway approach to the flagpole is on a transit street and the lot does not have additional frontage on a second transit street from the standards of Sections 17.82.20(B and C).

Chapter 17.98 Parking, Loading, and Access Requirements

- Reduced minimum number of required parking spaces for duplexes to 1 per dwelling unit (or 2 total) to match the 2-parking space minimum for SFR.
- Revised code language so driveway requirement for a duplex is the same as for a single-family dwelling.
- Revised residential on-street parking requirement to be the same for a duplex as for a single-family dwelling, and exempted ADUs, multi-family, and conversion of a single-family residence to a duplex from the on-street parking standard.

Chapter 17.100 Land Divisions

- Revised residential shared private drive language to reference required off-street parking spaces rather than dwelling units so that duplexes are treated the same as single-family residences.

It has recently come to staff's attention that the definition of "accessory dwelling unit" in Chapter 17.10 may limit ADUs to lots with single-family residences. The current definition of an ADU is: "A second dwelling unit either in or added to an existing single-family detached dwelling, or in a separate accessory structure on the same lot as the main dwelling, for use as a complete, independent living facility with provisions within the accessory apartment for cooking, eating, sanitation and sleeping. Such a dwelling is an accessory use to the main dwelling." HB 2001 requires medium sized cities like Sandy to allow a duplex wherever single-family residences are allowed; however, it does not require a City to allow both a duplex and an ADU. If the Commission wants to allow both a duplex and an ADU on the same lot, the definition of an ADU will likely need to be updated to include reference to a duplex (and potentially even multi-family residential, if so desired). Either way, the definition should be clarified.

RECOMMENDATION:

The Commission's role in this process will be to review the proposed code amendments and forward a recommendation to the City Council.

LIST OF ATTACHMENTS/EXHIBITS:

ATTACHMENTS:

Chapter 17.30 Code Modifications
Chapter 17.34 Code Modifications
Chapter 17.60 Code Modifications
Chapter 17.74 Code Modifications
Chapter 17.82 Code Modifications

Chapter 17.98 Code Modifications
Chapter 17.100 Code Modifications
DLCD Documents

CHAPTER 17.30 - ZONING DISTRICTS

17.30.00 ZONING DISTRICT DESIGNATIONS

For the purposes of this title, the city is divided into districts designated as follows:

DISTRICT	SYMBOL
Parks and Open Space	POS
Residential	
Single Family Residential	SFR
Low Density Residential	R-1
Medium Density Residential	R-2
High Density Residential	R-3
Commercial	
Central Business District	C-1
General Commercial	C-2
Village Commercial	C-3
Industrial	
Industrial Park	I-1
Light Industrial	I-2
General Industrial	I-3
Overlay Districts	
Planned Development	PD
Cultural & Historic Resource	CHR
Flood Slope Hazard	FSH
Specific Area Plan Overlay	SAP

17.30.10 ZONING MAP

The Zoning Map is incorporated herein and is deemed as much a part of this Code as if fully set forth. If a conflict appears between the Zoning Map and the written portion of this Code, the written portion shall control. The map and each amendment shall remain on file in the Planning Director’s Office.

The boundaries of all districts are established as shown on the Zoning Map, which is made a part of this Code. All notations and references and other matters shown shall be and are hereby made part of this Code.

17.30.20 RESIDENTIAL DENSITY CALCULATION PROCEDURE

The number of dwelling units permitted on a parcel of land is calculated after the determination of the net site area and the acreage of any restricted development areas (as defined by Chapter 17.60). Limited density transfers are permitted from restricted development areas to unrestricted areas consistent with the provisions of the Flood and Slope Hazard Area Overlay District, Chapter 17.60.

Calculation of Net Site Area (NSA): Net site area should be calculated in acres based upon a survey of the property boundaries excluding areas dedicated for public use.

A. Minimum and Maximum Dwelling Units for Sites with No Restricted Areas

The allowable range of housing units on a piece of property is calculated by multiplying the net site area (NSA) in acres by the minimum and maximum number of dwelling units allowed in that zone.

For example: A site (NSA) containing 10 acres in the Single Family Residential Zoning District requires a minimum of 30 units and allows a maximum of 58 units. (NSA x 3 units/acre = 30 units minimum) (NSA x 5.8 units/acre = 58 units maximum)

B. Minimum and Maximum Dwelling Units for Sites with Restricted Areas

1. Unrestricted Site Area: To calculate unrestricted site area (USA): subtract all restricted development areas (RDA) as defined by Section 17.60.20(A) from the net site area (NSA), if applicable.

$$\text{NSA} - \text{RDA} = \text{USA}$$

2. Minimum Required Dwelling Units: The minimum number of dwelling units required for the site is calculated using the following formula:

USA (in acres) x Minimum Density (Units per Acre) of Zoning District = Minimum Number of Dwelling Units Required.

3. Maximum Allowed Dwelling Units: The maximum number of dwelling units allowed on a site is the lesser of the results of these two formulas:

a. NSA (in acres) x Maximum Density of Zoning District (units/acre)

b. USA (in acres) x Maximum Density of Zoning District (units/acre) x 1.5 (maximum allowable density transfer based on Chapter 17.60)

For example: suppose a site in a zone with a maximum density of eight (8) units per acre has 6 acres of unrestricted site area (USA= 6) and two acres of restricted development area (RDA=2), for a total net site area of 8 acres (NSA= 8). Then NSA (8) x 8 units/acre = 64 and USA (6) x 8 units/acre x 1.5 = 72, so the maximum permitted number of dwelling units is 64 (the lesser of the two results).

- C. Lot Sizes: Lot sizes shall comply with any minimum lot size standards of the underlying zoning district.

- D. Rounding: A dwelling unit figure is rounded down to the nearest whole number for all total maximum or minimum figures less than four dwelling units. For dwelling unit figures greater

than four dwellings units, a partial figure of one-half or greater is rounded up to the next whole number.

For example: A calculation of 3.7 units is rounded down to 3 units. A calculation of 4.2 units is rounded down to 4 units and a calculation of 4.5 units is rounded up to 5 units.

E. Duplexes: For the purpose of calculating maximum density, duplexes shall be counted the same as a single-family residence (i.e. duplexes shall count as one dwelling unit). Accessory dwelling units (ADUs) do not count towards maximum density.

EXHIBIT B

CHAPTER 17.34 SINGLE-FAMILY RESIDENTIAL (SFR)

17.34.00 INTENT

The district is intended to implement the Low Density Residential Comprehensive Plan designation by providing for low-density residential development in specific areas of the city. The purpose of this district is to allow limited development of property while not precluding more dense future development, as urban services become available. Density shall not be less than 3 or more than 5.8 units per net acre.

17.34.10 PERMITTED USES

A. Primary Uses Permitted Outright:

1. Single detached dwelling subject to design standards in Chapter 17.90;
2. Single detached manufactured dwelling subject to design standards in Chapter 17.90;
- ~~3. Duplex.~~

B. Accessory Uses Permitted Outright:

1. Accessory dwelling unit subject to the provisions in Chapter 17.74;
2. Accessory structure, detached or attached subject to the provisions in Chapter 17.74;
3. Family day care, as defined in Chapter 17.10 subject to any conditions imposed on the residential dwellings in the zone;
4. Home business subject to the provisions in Chapter 17.74;
5. Livestock and small animals, excluding carnivorous exotic animals: The keeping, but not the propagating, for solely domestic purposes on a lot having a minimum area of one acre. The structures for the housing of such livestock shall be located within the rear yard and at a minimum distance of 100 feet from an adjoining lot in any residential zoning district;
6. Minor utility facility;
7. Other development customarily incidental to the primary use.

17.34.20 MINOR CONDITIONAL USES AND CONDITIONAL USES

A. Minor Conditional Uses:

1. Accessory structures for agricultural, horticultural or animal husbandry use in excess of the size limits in Chapter 17.74;
2. Single detached or attached zero lot line dwelling;
- ~~3. Duplex;~~
4. Projections or free-standing structures such as chimneys, spires, belfries, domes, monuments, fire and hose towers, observation towers, transmission towers, flagpoles, radio and television towers, masts, aerials, cooling towers and similar structures or facilities not used for human occupancy exceeding 35 feet in height;
- ~~5. 4~~ Other uses similar in nature.

B. Conditional Uses:

1. Community services;
2. Funeral and interment services, cemetery, mausoleum or crematorium;
3. Golf course and club house, pitch-and-putt, but not garden or miniature golf or golf driving range;

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Revised by Ordinance 2013-11 effective 12/18/13

4. Hospital or home for the aged, retirement, rest or convalescent home;
5. Lodges, fraternal and civic assembly;
6. Major utility facility;
7. Preschool, orphanage, kindergarten or commercial day care;
8. Residential care facility [ORS 443.000 to 443.825];
9. Schools (public, private, parochial or other educational institution and supporting dormitory facilities, excluding colleges and universities);
10. Other uses similar in nature.

17.34.30 DEVELOPMENT STANDARDS

Type	Standard
A. Minimum Lot Area - Single detached dwelling <u>or duplex</u> - Other permitted uses	7,500 square ft. No minimum
B. Minimum Average Lot Width <u>or duplex</u> - Single detached dwelling	60 ft.
C. Minimum Lot Frontage	20 ft. except as allowed by Section 17.100.90
D. Minimum Average Lot Depth	No minimum
E. Setbacks (Main Building) Front yard Rear yard Side yard (interior) Corner Lot	10 ft. minimum 20 ft. minimum 7.5 ft. minimum 10 ft. minimum on side abutting the street ¹
F. Setbacks (Garage/Carport)	22 ft. minimum for front vehicle access 15 ft. minimum if entrance is perpendicular to street (subject to Section 17.90.150) 5 ft. minimum for alley or rear access
G. Projections into Required Setbacks	See Chapter 17.74
H. Accessory Structures in Required Setbacks	See Chapter 17.74
I. Structure Height	35 ft. maximum
J. Building Site Coverage	No minimum
K. Off-Street Parking	See Chapter 17.98

17.34.40 MINIMUM REQUIREMENTS

- A. Must connect to municipal water.
- B. Must connect to municipal sewer if service is currently within 3200 feet of the site. Sites Parcels more than 3200 feet from a municipal sewer, may ~~be approved to connect to a new or existing on-site sewage~~ an alternative disposal system provided all of the following are satisfied:
 1. An on-site sewage disposal county-septic permit or permit modification is secured from Clackamas County and a copy is provided to the city;
 2. The property owner executes a waiver of remonstrance to a local improvement district and/or signs a deed restriction agreeing to complete improvements, including but not

¹ Must comply with clear vision requirements of Chapter 17.74.

Commented [EM1]: Sean's comment:
I see these as public facilities requirements, but it is unclear to me how they would be applied. The primary applicable rule language is OAR 660-046-0120(7)

"A Medium City or other utility service provider that grants clear and objective exceptions to public works standards to detached single-family dwelling development must allow the same exceptions to Duplexes."

My primary questions is how connections to water and sewer and frontage/access will be applied. For example, if someone came in wanting to convert their SFD to a duplex, are the requirements here the same that apply to SFD or would they be more restrictive (e.g. requiring two separate connections for water sewer, more frontage/access, etc.)?

Commented [EM2R1]: Kelly or Mike will need to elaborate but my understanding is that these standards are the minimum for whatever is proposed and don't think they treat duplexes any differently than SFR.

limited, to curbs, sidewalks, sanitary sewer, water, storm sewer or other improvements which directly benefit the property;

3. The minimum size of the property is one acre or is a pre-existing buildable lot, as determined by the city;
 4. Site consists of a buildable parcel(s) created through dividing property in the city, which is less than five acres in size.
- C. The location of any real improvements to the property must provide for a future street network to be developed.
 - D. Must have frontage or approved access to public streets.

Commented [EM3]: Mike's comment: "An applicant might not be able to satisfy a. through d. They might be able to satisfy d. but not a. This could get messy since you can have a legal lot of record that is smaller than 1 acre that cannot obtain a new or modified on-site sewage disposal permit under DEQ or Clackamas County regulations."

Commented [EM4]: Check with Mike to see if this can be deleted. Mike says to check with David D. ("I think so - 17.34.40 is pretty murky. Is it referring to a site that is less than 5 ac. or parcels (partitioned within the site?) that are less than 5 ac.? Might check with our legal team though.")

17.34.50 ADDITIONAL REQUIREMENTS

- A. Design review as specified in Chapter 17.90 is required for all uses.
- B. Lots with 40 feet or less of street frontage shall be accessed by a rear alley or a shared private driveway.
- C. Lots with alley access may be up to 10 percent smaller than the minimum lot size of the zone.
- D. Zero Lot Line Dwellings: Prior to building permit approval, the applicant shall submit a recorded easement between the subject property and the abutting lot next to the yard having the zero setback. This easement shall be sufficient to guarantee rights for maintenance purposes of structures and yard, but in no case shall it be less than 5 ft. in width.

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Revised by Ordinance 2013-11 effective 12/18/13

**CHAPTER 17.60
FLOOD AND SLOPE HAZARD (FSH) OVERLAY DISTRICT**

17.60.00 INTENT

This chapter is intended to promote the public health, safety and general welfare by minimizing public and private adverse impacts from flooding, erosion, landslides or degradation of water quality consistent with Statewide Planning Goals 6 (Air, Land and Water Resources Quality) and 7 (Areas Subject to Natural Disasters and Hazards) and the Sandy Comprehensive Plan (SCP). This chapter is also intended to minimize public and private losses due to flooding in flood hazard areas by provisions designed to:

- A. Protect human life and health;
- B. Minimize expenditure of public money for costly flood control projects;
- C. Minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public;
- D. Minimize prolonged business interruptions;
- E. Minimize damage to public facilities and utilities such as water and gas mains; electric, telephone and sewer lines; and streets and bridges located in flood hazard areas;
- F. Help maintain a stable tax base by providing for the sound use and development of flood hazard areas so as to minimize blight areas caused by flooding;
- G. Notify potential buyers that the property is in a Special Flood Hazard Area;
- H. Notify those who occupy flood hazard areas that they assume responsibility for their actions; and
- I. Participate in and maintain eligibility for flood insurance and disaster relief.

17.60.10 INTERPRETATION AND MAPPING

The Director has the ultimate responsibility for maintaining the FSH Overlay District on the City of Sandy Zoning Map, determining on-site measuring methods, and otherwise interpreting the provisions of this chapter. Technical terms used in this chapter are defined in Chapter 17.10, Definitions. This chapter does not regulate development on lots or parcels entirely outside the FSH Overlay District.

- A. FSH Overlay District. The only areas subject to the restrictions and prohibitions of the FSH overlay district are those indicated on the City of Sandy Zoning Map on file in the Planning Department and areas of special flood hazard identified by the Federal Insurance Administration in a scientific and engineering report entitled, "Flood Insurance Study (FIS) for Clackamas County, Oregon and Incorporated Areas," dated January 18, 2019, with accompanying Flood Insurance Rate Maps (FIRMs). This chapter does not regulate lots or parcels entirely outside the FSH Overlay District.
 - 1. The FIS and FIRMs are hereby adopted by reference and declared to be a part of Section 17.60 and are on file at the City of Sandy.

Revised by Ordinance No. 2019-01 effective 1/07/19

B. Development Approval Required. No development shall occur within the FSH overlay district without first obtaining City approval under the provisions of this chapter. The Director shall notify the Oregon Division of State Lands whenever any inventoried wetland is proposed for development, in accordance with ORS 227.350. In riverine situations, the Director shall notify adjacent communities and the State Coordinating Office prior to any alteration or relocation of a watercourse, and submit copies of such notification to the administrator.

C. Interpretation

All provisions of the FSH overlay code shall be:

1. Considered as minimum requirements;
2. Liberally construed in favor of the governing body; and
3. Deemed neither to limit nor repeal any other powers granted under state statutes.

D. Applicant Responsibilities. The applicant for alteration or development within the FSH overlay district shall be responsible for preparing a survey of the entire site, based on site- specific field surveys or Corps of Engineers data that precisely maps and delineates the following areas:

1. The name, location and dimensions of affected streams or rivers, and the tops of their respective banks.
2. Area of Special Flood Hazard boundaries and elevations as determined by the January 18, 2019 FIS for Clackamas County and Incorporated Areas.
3. The City of Sandy FSH overlay district boundary as depicted on the City of Sandy FSH Map.
4. The water quality and slope setback area(s) as defined in Section 17.60.30.
5. The size and location of locally significant wetlands shall be determined based on the City of Sandy Locally Significant Wetland Inventory (2002) unless modified by a wetland delineation approved by the Oregon Division of State Lands and submitted to the City. Wetland delineations that have formal concurrence from the Division of State Lands shall be valid for the period specified in that agency's administrative rules.
6. Steep slope areas where the slope of the land is 25% or greater within the FSH overlay district boundary.
7. The area enclosed by a continuous line, measured 25 feet horizontally, parallel to and upland from the top of a steep slope area, where the top of the steep slope is within the FSH overlay district boundary.
8. Existing public rights-of-way, structures, roads and utilities.
9. Natural vegetation, including trees or tree clusters and understory within the FSH Overlay District boundary.
10. Existing and proposed contours at 2-foot intervals.

17.60.20 PERMITTED USES AND ACTIVITIES

This chapter lists permitted uses, or uses allowed under prescribed conditions, within the FSH overlay district. Where there are conflicts, this chapter supersedes the use provisions of the underlying district.

A. Restricted Development Areas. Restricted development areas within the FSH overlay district as shown on the City of Sandy Zoning Map include:

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Revised by Ordinance No. 2019-01 effective 1/07/19

1. Slopes of 25% or greater that (a) encompass at least 1,000 square feet and (b) have an elevation differential of at least 10 feet.
2. Protected water features, including locally significant wetlands, wetland mitigation areas approved by the Division of State Lands, and perennial streams.
3. Required setback areas as defined in Section 17.60.30.

B. Permitted Uses. Permitted uses within restricted development areas are limited to the following:

1. Open space and trails provided they are constructed consistent with standards on file in the Planning Department.
2. Removal of refuse and permitted fill.
3. Planting of native vegetation species included on a list maintained by the Director.
4. Removal of non-native / invasive vegetation, dead or dying trees or vegetation that is hazardous to the public.
5. Removal of up to two trees of 6 inches or greater dbh in a calendar year, provided that each tree removed is replaced with two native trees, each of which must be 1.5 inches or greater caliper and placed within the restricted development area of the site.
6. Construction or expansion of public facilities or private roads necessary to support permitted development.
7. Construction or expansion of a single-family residence or duplex on a lot-of-record, under the following prescribed conditions:
 - a) The applicant must demonstrate that the lot has received planning approval from either Clackamas County or the City of Sandy and that there is insufficient buildable land on the same lot to allow the proposed construction or expansion.
 - b) The site review, engineering, erosion control, water quality and re-vegetation standards of this chapter have been fully satisfied.
 - c) The residence or addition has been sited so as to minimize excavation and disturbance to native vegetation on restricted development areas.
 - d) The maximum impervious surface coverage resulting from development on restricted development areas shall be 2,500 square feet. Exception: This standard may be exceeded to allow a superior private driveway design and location that reduces adverse impacts to protected areas. To exceed the standard, the applicant must demonstrate that a longer driveway will avoid required setbacks from protected water features, and that driveway construction will either: (a) more closely follow hillside contours and thereby reduce overall cut and fill area by at least 20%; or (b) avoid tree clusters and thereby reduce the number of 6-inch or greater dbh trees that must be removed by at least 20%.
 - e) The option of an adjustment under Section 17.60.100 has been considered as a means of avoiding or minimizing impacts on restricted development areas.
 - f) Development shall not result in cuts or fills in excess of 3 feet except for basement construction unless specifically approved by the Director.
8. Replacement of a single-family or duplex dwelling constructed over substantially the same footprint as the original dwelling.
9. Repair or stabilization of unstable slopes.
10. Stream bank restoration, subject to a stream bank restoration plan. This plan must:
 - a) Be prepared by a team of specialists in the fields of stream morphology, water quality and riparian vegetation approved by the Planning Director.

- b) Remove invasive vegetation and replace it with multi-layered native vegetation that provides for stream shading within the entire stream bank.
 - c) Reduce the steepness of the bank along reaches that have been highly eroded.
 - d) Reduce the velocity of water carried by the stream.
 - e) Include guarantees and funding to assure at least a 90% survival rate of native plants over a 3-year period.
- 11. Maintenance of existing landscaping on existing lots of record is permitted and is exempt from the requirements of the FSH Overlay District.
 - 12. Appurtenant structures as permitted under Section 17.60.70(J).

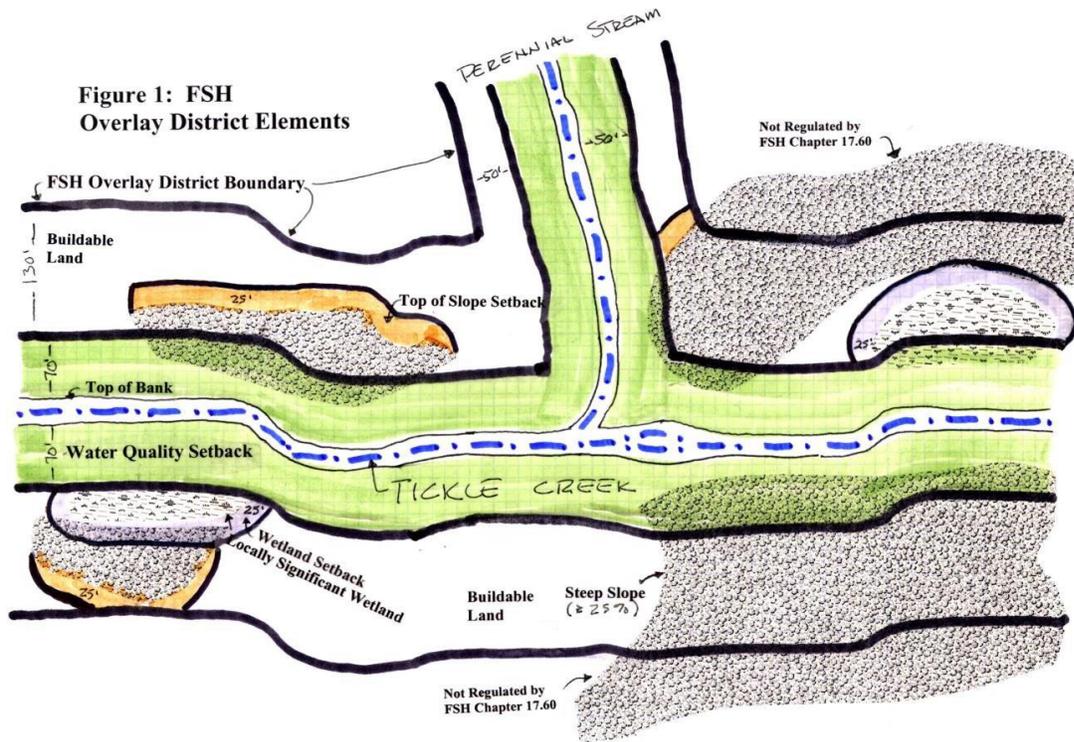
C. Platting of New Lots. No new lot shall be platted or approved for development that is exclusively in restricted development areas as defined in subsection 17.60.20.A.

17.60.30 REQUIRED SETBACK AREAS

Setback areas shall be required to protect water quality and maintain slope stability near stream corridors and locally significant wetlands. Setbacks are measured horizontally from, parallel to and upland from the protected feature.

- A. Required Setbacks. The required special setback(s) shall be:
- 1. 80 feet from the top of bank of Tickle Creek;
 - 2. 50 feet from top of bank along other perennial streams, except for “No Name Creek” east of Towle Drive, as provided in Section 17.60.30.C.2 below.
 - 3. 25 feet around the edge of any mapped locally significant wetland; and
 - 4. 25 feet from the top of any 25% slope break where the slope break occurs within the FSH overlay district as mapped by the city.

**Figure 1: FSH
Overlay District Elements**



- B. **Minimize Impacts.** Natural vegetation shall be preserved and enhanced and excavation minimized within required water quality setback areas.
- C. **Exceptions, Intent.** Exception 1 below recognizes that existing hillside, stormwater detention and erosion control measures are sufficient to maintain water quality and quantity in areas of steep slopes separated from streams and wetlands by improved public streets in existing rights-of-way. Exception 2 recognizes that “No Name Creek” east of Towle Drive has been severely impacted by culverting, erosion and invasive plants, and has only a few remaining infill sites adjacent to its banks. This exception is intended to encourage appropriate development of these infill sites and the opening and restoration of this stream reach over time.
1. Land lying within the FSH overlay district, but upland from an existing public right-of-way with an improved public street, shall not be subject to the steep slope restrictions of this chapter. Such land shall remain subject to applicable Section 17.56 Hillside Regulations and shall comply with required setbacks set forth in subsection 17.60.30.A.3 above.
 - a. Applications for development that include only areas that meet this exception and have existing improved public streets and have no locally significant mapped wetlands are not subject to the provisions of this chapter.
 2. The required setback for “No Name Creek” east of the Towle Drive crossing may be reduced to 25 feet, subject to approval of a “stream bank restoration plan” that meets the standards of Section 17.60.20.B.10.

17.60.40 REVIEW PROCEDURES

Review of development requests within the FSH Overlay District shall occur subject to the following procedures. Unless otherwise indicated below, the Director may approve Type I permits over the counter or following a field check. Type II and III development applications shall be reviewed by the Director to ensure consistency with Section 17.60.60-70. Section 17.60.50 special reports shall also be required, unless specifically exempted by the Director.

- A. Type I Procedure. The following uses shall be reviewed under a Type I procedure:
1. Planting of native plant species identified on the Native Plant list on file with the Director.
 2. Removal of permitted fill.
 3. Removal of non-native / invasive vegetation, dead or dying vegetation that is hazardous to the public, or up to two trees of 6 inches or greater dbh in a calendar year.
 4. Appurtenant structures as permitted under Section 17.60.70(J).
- B. Type II Procedure. The following uses shall be reviewed under a Type II review procedure:
1. Construction or expansion of major public facilities identified in sanitary, storm, water or street or parks master plans or of minor public facilities necessary to support development, where no other practical alternative exists.
 2. Construction or expansion of trails.
 3. Construction, expansion or replacement of a new single-family residence or duplex within a restricted development area or floodway on a lot of record.
 4. Repair and stabilization of unstable slopes. If emergency slope stabilization is required and authorized by the City Engineer, Type II review shall be required within 60 days of having taken the emergency action.
 5. Stream bank restoration plans.
 6. Exemption of Type II development applications from one or more required reports.
 7. Development that is completely outside restricted development areas, as determined by the Director based on site-specific information provided by the applicant consistent with Section 17.60.10.C. Such site-specific information shall remain valid for five years from the date approved by the Director, provided that topographical or hydrological changes have not occurred on the site that could invalidate such information.
 8. Development requests that are similar in scope and impact, as determined by the Director. The Director shall include the justification for the classification decision in the required notice to affected property owners.
- C. Type III Procedure. The Planning Commission shall review all other public and private development requests under a Type III procedure.
- D. Establishment of Development Permit. A development permit shall be obtained before construction or development begins, within any Area of Special Flood Hazard. Application for a development permit may be made on forms provided by the Director and may include, but not be limited to, plans in duplicate drawn to scale showing the nature, location, dimensions and elevation of the area in question, existing or proposed structures, fill storage of materials, drainage facilities and the location of the aforementioned. Specifically the following information is required:

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Revised by Ordinance No. 2008-7 effective 5/19/08

1. Proposed elevation in relation to mean sea level of the lowest floor (including basement of all structures).
2. Proposed elevation in relation to mean sea level to which any non-residential structure will be floodproofed.
3. Certification by a registered professional engineer or architect that the floodproofing methods for any non-residential structure meet the floodproofing criteria detailed in Section 17.60.70(F) below.
4. Description of the extent to which any watercourse will be altered or relocated as a result of proposed development.

17.60.50 SPECIAL REPORTS

Where development is proposed on restricted development areas within the FSH overlay district as defined in Section 17.60.20.A, the Director shall require submission of the following special reports. These reports shall be in addition to other information required for specific types of development, and shall be prepared by professionals in their respective fields.

The Director may require one or more of these reports where necessary to address potential adverse impacts from development on buildable land within the FSH overlay district. The Director may exempt Type II permit applications from one or more of these reports where impacts are minimal and the exemption is consistent with the purpose of the FSH overlay zone as stated in Section 17.60.00.

- A. Hydrology and Soils Report. This report shall include information on the hydrological conditions on the site, the effect of hydrologic conditions on the proposed development, the proposed development's impact on surface and groundwater flows to wetlands and streams, and any hydrological or erosion hazards. This report shall also include soils characteristics of the site, their suitability for development, carrying capacity, and erosion or slumping characteristics that might present a hazard to life and property, or adversely affect the use or stability of a public facility or utility. Finally, this report shall include information on the nature, distribution and strength of existing soils; the adequacy of the site for development purposes; and an assessment of grading procedures required to impose the minimum disturbance to the natural state. A licensed professional engineer registered in Oregon shall prepare the hydrology and soils report.
- B. Grading Plan. The grading plan shall be specific to a proposed physical structure or use and shall include information on terrain (two-foot intervals of property), drainage, direction of drainage flow, location of proposed structures and existing structures which may be affected by the proposed grading operations, water quality facilities, finished contours or elevations, including all cut and fill slopes and proposed drainage channels. Project designs including but not limited to locations of surface and subsurface devices, walls, dams, sediment basins, storage reservoirs, and other protective devices shall form part of the submission. The grading plan shall also include: 1) construction phase erosion control plan consistent with the provisions of Chapter 15.44; and 2) schedule of operations. A licensed professional engineer registered in Oregon shall prepare the grading and erosion control plan.

- C. Native Vegetation Report. This report shall consist of a survey of existing vegetative cover, whether it is native or introduced, and how it will be altered by the proposed development. Measures for re-vegetation with native plant species will be clearly stated, as well as methods for immediate and long-term stabilization of slopes and control of soil erosion. A landscape architect, landscape designer, botanist or arborist with specific knowledge of native plant species, planting and maintenance methods, survival rates, and their ability to control erosion and sedimentation shall prepare the vegetation report. The applicant shall be responsible for replacing any native plant species that do not survive the first two years after planting, and for ensuring the survival of any replacement plants for an additional two years after their replacement.

17.60.60 APPROVAL STANDARDS AND CONDITIONS

The approval authority may approve, approve with conditions, or deny an application based on the provisions of this chapter. The approval authority may require conditions necessary to comply with the intent and provisions of this chapter.

- A. Approval Standards. The following approval standards apply to development proposed within restricted development areas of the FSH overlay district.
1. Cumulative Impacts. Limited development within the FSH overlay district, including planned vegetation removal, grading, construction, utilities, roads and the proposed use(s) of the site will not measurably decrease water quantity or quality in affected streams or wetlands below conditions existing at the time the development application was submitted.
 2. Impervious Surface Area. Impervious surface area within restricted development areas shall be the minimum necessary to achieve development objectives consistent with the purposes of this chapter.
 3. Construction Materials and Methods. Construction materials and methods shall be consistent with the recommendations of special reports, or third-party review of special reports.
 4. Cuts and Fills. Cuts and fills shall be the minimum necessary to ensure slope stability, consistent with the recommendations of special reports, or third-party review of special reports.
 5. Minimize Wetland and Stream Impacts. Development on the site shall maintain the quantity and quality of surface and groundwater flows to locally significant wetlands or streams regulated by the FSH Overlay District.
 6. Minimize Loss of Native Vegetation. Development on the site shall minimize the loss of native vegetation. Where such vegetation is lost as a result of development within restricted development areas, it shall be replaced on-site on a 2:1 basis according to type and area. Two native trees of at least 1.5-inch caliper shall replace each tree removed. Disturbed understory and groundcover shall be replaced by native understory and groundcover species that effectively covers the disturbed area.
- B. All development permits for areas partially or fully within the Area of Special Flood Hazard shall be reviewed by the Director to determine that:
1. The permit requirements of Chapter 17.60 have been satisfied;
 2. All other required state and federal permits have been obtained; and,
 3. The site is reasonably safe from flooding.

- C. Conditions. The required reports shall include design standards and recommendations necessary for the engineer and landscape expert to certify that the standards of this chapter can be met with appropriate mitigation measures. These measures, along with third party reviewer and staff recommendations, shall be incorporated as conditions into the final decision approving the proposed development.
- D. Assurances and Penalties. Assurances and penalties for failure to comply with mitigation, engineering, erosion and water quality plans required under this chapter shall be as stated in Chapter 17.06.

17.60.70 FLOODPLAIN REGULATIONS

This section regulates development within the Area of Special Flood Hazard.

- A. Residential and Non-residential Structures. No new residential structures (including manufactured dwellings) with the exception of 17.60.40(B)(3), non-residential structures or critical facilities shall be permitted in the Area of Special Flood Hazard.
- B. Flood Storage Capacity. On-site flood storage capacity shall not decrease as a result of development. The cumulative effects of any proposed development shall not reduce flood storage capacity or raise base flood elevations on- or off-site.
- C. Public Facilities and Private Roads. Generally, public facilities and private roads shall avoid restricted development areas. However, where avoidance cannot be achieved consistent with City-approved facilities master plans and sound engineering principles, the following standards shall be met.
 - 1. The facility shall be designed, located and constructed to minimize flood damage, excavation and loss of native vegetation and to avoid raising flood levels. Facilities and roads located within a floodway may be permitted only where a registered professional engineer certifies based on hydrologic and hydraulic analysis performed in accordance with standard engineering practice that encroachments shall not result in any increase in flood levels during the occurrence of the base flood discharge. Utilities necessary to serve permitted development, or a single family home or duplex on a legally-approved lot-of-record, may be permitted only where a registered professional engineer or architect certifies based on hydrologic and hydraulic analysis performed in accordance with standard engineering practice that encroachments shall not result in any increase in flood levels during the occurrence of the base flood discharge, and that water quality will not be adversely affected.
 - 2. Water supply and sanitary sewer facilities shall be designed, located and constructed to avoid infiltration of floodwaters into the system, and to avoid discharges from such facilities to floodwaters, streams and wetlands.
 - 3. On-site septic systems, waste disposal systems, and private wells shall be prohibited within the FSH overlay district.
- D. Structural Elevation Report. An application for any substantially improved structure, nonresidential structure or manufactured dwelling within the area of special flood hazard shall include the elevation, referenced to mean sea level, of the lowest floor, of the bottom of the lowest horizontal structural member (for manufactured dwellings), or the elevation to which the structure will be flood-proofed. The elevation of the

lowest floor, and any basement area and the elevation of the service facilities/mechanical equipment shall also be provided. A professional engineer registered in Oregon shall prepare the structural elevation certificate.

- E. Existing Residential Structures (including new construction allowed per Section 17.60.40(B)(3)). Improvements and substantial improvements to an existing residential structure (including manufactured dwellings) or replacement of a single family residence or duplex per Section 17.60.20(B)(8) in a flood-prone area shall comply with the following:
1. Improvements shall be adequately anchored to prevent flotation, collapse, or lateral movement resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy;
 2. Materials used shall be resistant to flood damage;
 3. Utilities shall be designed and/or located to prevent water from entering or accumulating within the components during flooding;
 4. The lowest floor (including basement) shall be elevated at least one foot above the base flood level;
 5. Fully enclosed areas below the lowest floor used solely for vehicle parking or building access or storage in an area other than a basement shall be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters and shall either be designed and certified by a registered professional engineer or architect or meet or exceed the following minimum criteria:
 - a. 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. The bottom of all openings shall be no higher than one foot above grade. Openings may be equipped with screens, louvers, valves, or other coverings or devices provided that they permit the automatic entry and exit of floodwaters.
- F. Existing Non-Residential Structures. Improvements and substantial improvements to existing non-residential structures within the floodplain shall comply with one of the following:
1. Elevate the lowest floor (including basement) at least one foot above the base flood level and ensure that any area below the elevated lowest floor meets the requirements of paragraph (E)(5) and (E)(5)(a)above;
 2. Walls and utilities of structures below the base flood level shall be floodproofed so that the structure is watertight with walls substantially impermeable to the passage of water and structural components having the capability of resisting hydrostatic and hydrodynamic loads and effects of buoyancy. A registered professional engineer or architect shall develop and/or review structural design, specifications, and plans for the construction, and shall certify that the design and methods of construction are in accordance with accepted standards of practice for meeting the applicable provisions of NFIP Regulations per Volume 44 of the Code of Federal Regulations.

Upon completion of the structure, certification by a registered professional engineer or surveyor that the elevation requirements of the lowest floor, including basement, of this section have been satisfied shall be provided to the Director for verification; or certification by a registered

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Revised by Ordinance No. 2008-7 effective 5/19/08

professional engineer or architect that the floodproofing requirements of this section are satisfied, including the specific elevation in relation to mean sea level to which such structures are floodproofed, shall be provided to the Director for verification.

G. Recreational Vehicles. Recreational Vehicles within the floodplain shall comply with one of the following:

1. Be located on the site for fewer than 180 consecutive days; and
2. Be fully licensed and ready for highway use; or
3. Meet the elevation and anchoring requirements for manufactured homes dwellings and permit requirements of NFIP Regulations.

H. Anchoring. All new construction and substantial improvements (including manufactured dwellings) shall be anchored to prevent flotation, collapse or lateral movement of the structure resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy.

I. Construction materials and methods.

1. All new construction and substantial improvements shall be constructed with materials resistant to flood damage;
2. All new construction and substantial improvements shall be constructed using methods and practices that minimize flood damage; and,
3. All new construction and substantial improvement shall be constructed with electrical, heating, ventilation, plumbing, and air conditioning equipment and other service facilities that are designed and/or located so as to prevent water from entering or accumulating within the components during conditions of flooding.

J. Appurtenant Structures (Detached Garages and Storage Structures).

Appurtenant structures used solely for parking of vehicles or storage may be constructed such that the floor is below the Base Flood Elevation, provided the structure is designed and constructed in accordance with the following requirements:

1. Use of the appurtenant structure must be limited to parking of vehicles or storage;
2. The portions of the appurtenant structure located below the Base Flood Elevation must be built using flood resistant materials;
3. The appurtenant structure must be adequately anchored to prevent flotation, collapse and lateral movement;
4. Any machinery or equipment servicing the appurtenant structure must be elevated or floodproofed to or above the Base Flood Elevation;
5. The appurtenant structure must meet the floodway requirements of Chapter 17.60 and must not result in any increase in base flood elevations and this shall be demonstrated through hydrologic and hydraulic analyses performed in accordance with standard engineering practices;
6. The appurtenant structure must be designed to allow for the automatic entry and exit of flood waters in accordance with Section 17.60.70(E)(5);
7. The appurtenant structure must not be used to store toxic material, oil or gasoline, or any priority persistent pollutant identified by the Oregon Department of Environmental Quality unless confined in a tank elevated at least one foot above Base Flood Elevation; and
8. Shall not exceed the size requirements in the State of Oregon Residential and Structural Specialty Codes and shall not exceed one story.

Detached garages, storage structures and other appurtenant structures not meeting the above standards must be constructed in accordance with all applicable standards of Chapter 17.60.

17.60.80 NOTIFICATION TO OTHER ENTITIES AND RECORDKEEPING

- A. Whenever a watercourse is to be altered or relocated, notification shall be sent to Clackamas County and DLCDC prior to such alteration or relocation of a watercourse, and submit evidence of such notification to the Federal Insurance Administrator through appropriate notification means (i.e. submittal of a Letter of Map Revision (LOMR)), and assure that the flood carrying capacity of the altered or relocated portion of said watercourse is maintained.
- B. Base Flood Elevations may increase or decrease resulting from physical changes affecting flooding conditions. As soon as practicable, but not later than six months after the date such information becomes available, the Director shall notify the Federal Insurance Administrator of the changes by submitting technical or scientific data in accordance with Volume 44 Code of Federal Regulations Section 65.3. Such a submission is necessary so that upon confirmation of those physical changes affecting flooding conditions, risk premium rates and floodplain management requirements will be based upon current data.
- C. Notify the Federal Insurance Administrator in writing of acquisition by means of annexation, incorporation or otherwise, of additional areas of jurisdiction.
- D. Obtain and maintain the following for public inspection and make available as needed:
 1. Obtain and record the actual elevation (in relation to the mean sea level) of the lowest floor (including basements) of all new or substantially improved structures, and whether or not the structure contains a basement.
 2. For all new or substantially improved floodproofed structures:
 - a. Verify and record the actual elevation (in relation to mean sea level), and
 - b. Maintain the floodproofing certifications required in Section 17.60.70(F).
 3. Obtain and maintain certification for flood openings when certification is required under Section 17.60.70(E)(5).

17.60.90 WATER QUALITY TREATMENT FACILITIES

Tickle Creek, the Sandy River and associated natural drainage ways are vital to Sandy's recreationally based economy and to the quality of life of Sandy residents. Placement of water quality facilities shall be limited as follows:

- A. The water quality facility shall not be constructed in restricted development areas, except where necessary to serve approved development within restricted development areas (e.g., a road) and where no reasonable alternative exists in buildable areas of the site.
- B. Where the approval authority determines that a more efficient and effective regional site exists within the sub-basin, the water quality facility may be constructed off-site.

17.60.100 DENSITY TRANSFER PROVISIONS

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Residential density transfer may be approved subject to the following:

- A. Required Setback Areas. Density may be transferred from restricted development areas (i.e., steep slopes, protected water features and required setbacks) to buildable portions of the site.
- B. Density Maximum. The maximum gross density for the buildable area of the site shall not exceed 150% of the maximum density allowed by the underlying zoning district for that buildable area.
- C. Housing Types Not Permitted in Underlying Zoning District. Housing types not permitted in the underlying zoning district may only be approved through the PD (planned development) or SAP (specific area plan) process.
- D. Transfer Area. Transfer of density may only occur within the same property and/or to properties contiguous to the primary property. The terms “primary property” identify the legal lot from which density is to be transferred to “secondary property(s)”. Further development or land use action on the primary or secondary properties shall be reviewed together in the same application.

17.60.110 ADJUSTMENTS

Variances to Chapter 17.60 provisions are not permitted. In contrast, adjustments to dimensional standards of the underlying zoning district may be approved when necessary to further the intent of this overlay district.

- A. Adjustment Option. One or more adjustments to the setback, height or lot area standards of the underlying zoning district may be approved to allow development consistent with the intent of the FSH overlay district. The intent of the adjustment process is to reduce adverse impacts on water quantity and quality, locally significant wetlands and perennial streams, and on the potential for slope or flood hazards.
- B. Adjustment Criteria. A special FSH adjustment may be requested when development is proposed within the FSH overlay district. Adjustments are reviewed under the procedure type applicable to the primary application. The applicant shall demonstrate that the following criteria are fully satisfied:
 - 1. The adjustment is the minimum necessary to allow a permitted use, while at the same time minimizing disturbance to restricted development areas.
 - 2. Explicit consideration has been given to maximizing vegetative cover, minimizing excavation and minimizing impervious surface area on restricted development areas.
 - 3. Design options have been considered to reduce the impacts of development, including but not limited to multi-story construction, siting of residences close to streets to reduce driveway distance, maximizing the use of native landscaping materials, minimizing parking area and garage space.
 - 4. In no case shall the impervious surface area (including the building footprint, parking areas, accessory structures, swimming pools and patios) exceed 2,500 square feet of restricted development area except for a private drive that reduces the disturbance to restricted development areas.

5. Assurances are in place to guarantee that future development will not encroach further onto restricted development areas under the same ownership.
6. The Planning Commission or Director may impose any reasonable condition necessary to mitigate identified impacts resulting from development on otherwise restricted development areas.

17.60.120 DISCLAIMER

The degree of hazard protection afforded by adherence to the provisions of this chapter is considered reasonable for regulatory purposes, and is based on the best available engineering and scientific information available to the City. Larger floods than those anticipated by the chapter may occur. Landslides may occur on rare occasions in areas outside of the delineated steep slope and constrained slope boundaries. This chapter does not imply that areas outside FSH overlay district or land use permitted within FSH boundaries will be free from any significant flooding, mass movement, landslide damage, erosion or water pollution. This chapter shall not create liability on the part of the City of Sandy for any damage that results from reliance on the provisions of this chapter or any administrative decision lawfully made thereunder.

EXHIBIT D

CHAPTER 17.74 ACCESSORY DEVELOPMENT ADDITIONAL PROVISIONS AND PROCEDURES

17.74.00 INTENT

These provisions are intended to establish the relationship between principal and accessory development and specify criteria for regulating accessory developments.

In addition to uses expressly included in each zoning district as primary or conditional uses each district shall provide for accessory developments identified in this chapter. When a proposed accessory use is not specified, the Director shall determine the appropriateness of the use and whether it is customarily associated with, and subordinate to, the principal development. The Director shall base the decision on the similarity of the proposed accessory development to those developments specifically identified as accessory to the principal developments and the relationship between the proposed accessory development and principal development. The Director's determination shall be made in accordance with procedures set forth in Chapter 17.14 - Request for Interpretation.

17.74.10 RESIDENTIAL ACCESSORY STRUCTURES

Accessory structures (sheds) may be constructed or installed when in conformance with the standards of this section. A detached accessory structure shall be separated from the primary structure by at least six (6) feet. An accessory structure located closer than six (6) feet from the primary structure shall be considered attached and is required to comply with the same setbacks as the primary structure.

A. Detached Accessory Structure Setbacks.

Table 17.74.10 below and Figures 17.74.10-A and B specify setbacks for detached accessory structures. If not specified below, these structures are subject to the standards identified in the respective zoning district where the structure is to be located. For purposes of these regulations, solariums, greenhouses, garages or other enclosed areas which are attached to the residential structure shall not be considered accessory but shall be considered part of the main dwelling. Rigid frame fabric structures are considered accessory structures subject to these standards.

Table 17.74.10: Setbacks for Detached Accessory Structures (Sheds)

Accessory Structure Size	Interior Side Yard Setback	Rear Yard Setback
Up to 120 sq. ft., Up to 10 ft. tall	1 foot	1 foot
Up to 120 sq. ft., Up to 12 ft. tall	3 feet	3 feet
Larger than 120 sq. ft up to 200 sq. ft. and up to 12 ft. in height	3 feet	3 feet
Larger than 200 sq. ft. or taller than 12 ft. in height	5 feet minimum or same as primary structure whichever is greater	15 feet minimum or same as primary structure whichever is greater

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Figure 17.74.10-A: Interior Lot

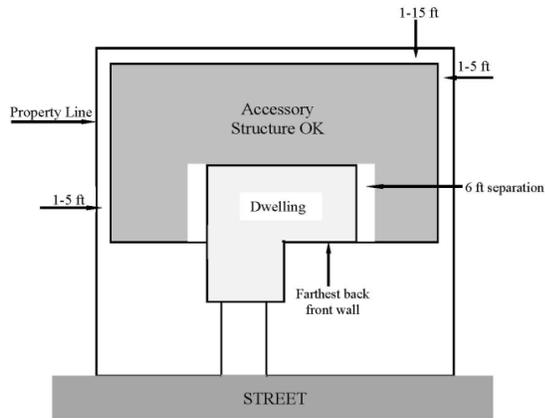
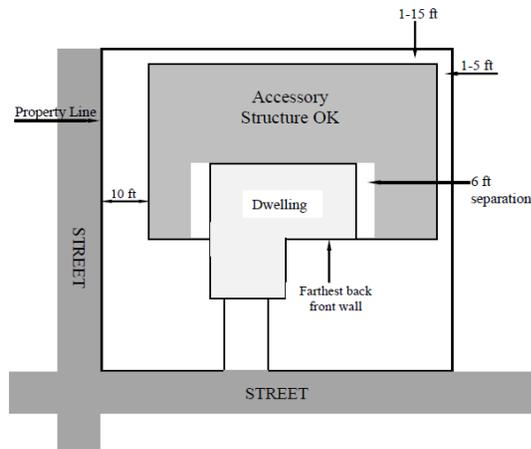


Figure 17.74.10-B: Corner Lot



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B. General Standards.

1. No accessory structure shall be located in front of the principal building. If located to the side of the principal building on an interior lot, the structure shall not be placed closer to the front lot line than the farthest back front wall of the principal building.
2. An accessory structure located on the street side of a corner lot shall follow the same setbacks as the principal building (10 feet).
3. The roof of the structure shall be constructed so that water runoff from the structure does not flow onto an abutting parcel.
4. Accessory structures for private vehicle storage which have an entrance from the street side yard (except alleys) shall have a minimum street side yard setback of 20 ft.
5. The total accumulative square footage of all accessory structures on an individual lot shall not exceed 1,200 square feet.
6. No accessory structure shall exceed a maximum height of 16 feet.
7. An accessory structure may be located on an adjacent lot that does not contain a primary structure provided:
 - a. Both lots are under the exact same ownership; and
 - b. A deed restriction is recorded requiring the accessory structure to be removed within 30 days of transfer of ownership of either lot into separate ownership; and
 - c. The accessory structure complies with setback requirements as applied to the lots under same ownership.
8. Exception for Temporary Use of Rigid Frame Fabric Membrane Structures. Exceptions to these standards may be made by the Planning Director for temporary storage of materials for not more than three days within any 30 day period.

17.74.20 PROJECTING BUILDING FEATURES

A. Setback Projections.

The following building features may project into portions of a required yard setback by no more than the amount specified below:

Table 17.74.20: Setbacks for Projecting Building Features

Feature	Front Yard	Side Yard	Rear Yard
Architectural Appendages ¹	5 ft.	2 ½ ft.	5 ft.
Awnings	5 ft.	2 ½ ft.	5 ft.
Chimneys	5 ft.	2 ½ ft.	5 ft.
Decks (unroofed) - ground level 30" in height or less	5 ft.	2 ½ ft.	Footnote ²
Decks (unroofed) - ground level more than 30" in height or second story (building permit required)	5 ft.	2 ½ ft.	Footnote ³
Eaves	5 ft.	2 ½ ft.	5 ft.
Fire Escapes, Landings (unroofed) and Stairs	5 ft.	2 ½ ft.	5 ft.
Planters	5 ft.	2 ½ ft.	5 ft.
Porches (roofed)	5 ft.	2 ½ ft.	Footnote ³
Windows (bow or bay)	5 ft.	2 ½ ft.	5 ft.

¹ Architectural features shall not include any portion of a structure built for the support, conveyance, occupancy, shelter, or enclosure of persons, chattels, or property of any kind.

² Must maintain a minimum rear yard setback from rear property line of 5 ft.

³ Must maintain a minimum rear yard setback from rear property line of 10 ft.

- B. Vertical Projections. Height limitations shall not apply to the following:
1. Fire and parapet walls
 2. Penthouses or roof structures for the housing of elevators, stairways, tanks, ventilating fans or similar equipment required to operate and maintain a structure. No penthouse or roof structure or any space above the height limitation shall be allowed for the purpose of providing additional floor space.
 3. Smokestacks
 4. Steeples
 5. Windmills
 6. Other similar structures

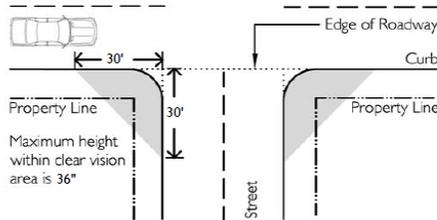
17.74.30 VISION CLEARANCE AREA

- A. A vision clearance area shall be maintained on each corner of property at the intersection of two streets. No visual obstruction (e.g., sign, structure, solid fence, or vegetation) shall be placed or located in the “vision clearance area” between the height of 36 inches (3 feet) and eight and one-half feet (8 1/2) measured from the street grade at the curb line, or where curbs are absent from the edge of asphalt as specified in the table below.
- B. A vision clearance area shall consist of a triangular area formed by the intersection of the curb lines, measured from the street grade at the curb line, or where curbs are absent from the edge of asphalt as specified below.

Table 17.74.30 - Vision Clearance Distances

Functional Street Classification	Measurement along curb line
Intersection of a street and an alley	20 feet
Intersection of a street and another street	30 feet

Figure 17.74.20 – Vision Clearance Measurement



- C. The foregoing provisions shall not apply to the following:
1. A public utility pole, signal pole, light pole, or other utility appurtenance.
 2. A tree trimmed (to the trunk) to a line at least 8 1/2 ft. above the level of the intersection.

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3. Vegetation that is not planted in the form of a hedge and which is so planted and trimmed to leave at all seasons a clear and unobstructed cross view.
4. A supporting member or appurtenance to a permanent building lawfully existing on the date this code is adopted.
5. An official warning sign or signal.
6. A place where the natural contour of the ground is such that there can be no cross-visibility at the intersection.
7. A sign mounted 10 ft. or more above the ground with supports that do not encroach into the clear vision area.
8. A signalized intersection.

17.74.40 FENCES AND WINDSCREENS

A. Fences - Residential

1. Fences on corner lots. Any fence or retaining wall, constructed upon or adjacent to any property line that abuts two or more intersecting streets, shall not exceed 3 ft. in height within the vision clearance area as specified in Section 17.74.30.
2. Fences in a front yard. The height of a fence or retaining wall in a front yard shall not exceed 4 ft.
3. Fences - side and rear yards abutting streets. The height of a fence or retaining wall in a side or rear yard abutting a public right-of-way shall not exceed 6 ft.
4. Fences - side and rear yards abutting other lots. The height of a fence or retaining wall in a side or rear yard abutting other lots shall not exceed 8 ft.
5. Sight Obscuring Hedges. Trees or shrubs that form a sight-obscuring hedge shall comply with the same height requirement as a fence within the clear vision area. Deciduous trees separated by at least 15 ft. may grow to any height.
6. Front Yard Fences for Existing Dwellings on Major Arterials. The height of a fence in a front yard for an existing dwelling (constructed prior to July 1, 1996) facing a major arterial shall not exceed a height of 6 ft. outside the clear vision area.
7. Fences on Through Lots. Gates are required in rear-yard fences on through-lots since it remains the property owners' responsibility to maintain the area from the curb or edge of pavement to a proposed fence.

B. Fences - Commercial/Industrial

1. Fences on corner lots. Any fence or retaining wall, constructed upon or adjacent to any property line that abuts two or more intersecting streets, shall not exceed 3 ft. in height within the clear vision area.
2. Fences in a front yard (Commercial). The height of a fence or retaining wall in a front yard shall not exceed 4 ft.
3. Fences in a front yard (Industrial). The height of a fence or retaining wall in a front yard shall not exceed 6 ft.
4. Fences - Side and Rear Yards. The height of a fence or retaining wall adjacent to a side or rear yard or a side or rear property line shall not exceed 8 ft.
5. Sight Obscuring Hedges. Trees or shrubs that form a sight-obscuring hedge shall comply with the same height requirement as a fence within the clear vision area. Deciduous trees separated by at least 15 ft. may grow to any height.

C. Fence Regulations for Recreation Areas. Any recreational court may be enclosed by a wire fence not exceeding 12 ft. in height provided that no part of the court fence is within 20 ft. of any street.

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D. Fence Regulations for Swimming Pool/Hot Tub Areas. A swimming pool, hot tub or other human-made outside body of water, which has a depth greater than 18 inches shall be enclosed with a fence not less than 4 ft. and not more than 8 ft. in height. If located on or surrounded by a deck, the deck shall be enclosed with a railing with a height of not less than 4 feet and not more than 8 feet. The fence or railing shall not have any openings, holes or gaps larger than four inches square, except for doors or gates. Any gate shall be equipped with a self-closing, self-latching device. A dwelling unit and/or accessory building may form part of the enclosure.

Commented [EM1]: Gender neutral

Exception: This regulation does not apply to wetland areas and storm water detention facilities. However, fencing requirements may be imposed through the design review process.

E. Wire Fences

Barbed wire fencing may be permitted for agricultural, community service, commercial or industrial uses when the wire is employed on the top of any other type of fencing, and when the barbed wire is a minimum of 6 ft. above the finished ground surface, and does not extend over a public way. The maximum height shall not exceed 8 ft.

1. No electrically charged or sharp pointed fencing such as razor wire (other than barbed wire fencing) shall be constructed or maintained within the city limits.

F. Fences in excess of 6 ft. in height require a building permit.

17.74.50 DECKS

A. Decks may encroach into required yard areas as specified in 17.74.20 above.

B. Decks greater than 30 inches in height require a building permit for structural and zoning review.

17.74.60 TEMPORARY USES OR STRUCTURES

A. Temporary Uses. Temporary uses, as defined in Chapter 17.10 - Definitions, not located within a structure, may be permitted for a period not to exceed 90 days, provided a temporary permit is first obtained under the Type I procedure. Renewal of a temporary permit shall be processed under the Type II procedure and may require a public hearing.

B. Temporary Structures. Temporary structures in connection with the building or sale of dwellings and land, and construction of industrial or commercial facilities may be permitted, for a period not to exceed 1 year, provided a temporary permit is first obtained under the Type I procedure. Renewal of a temporary permit shall be processed under the Type II procedure and may require a public hearing.

C. Portable Outdoor Storage Unit. Portable outdoor storage units may be placed on a lot, including within the setback areas, for not more than 60 days (any portion of a day, between 12:00 a.m. and ending at 11:59 p.m., shall be counted as a day) within any 12 month period.

17.74.70 ACCESSORY DWELLING UNITS

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Revised by Ordinance No. 2014-05 (effective 06/02/14)

Accessory dwelling unit (ADU) regulations are intended to:

- Provide a cost-effective means of serving development through the use of existing infrastructure, rather than requiring new infrastructure to serve development.
- Increase the supply of affordable housing without government subsidies.
- Benefit older homeowners, single parents, young homebuyers and ~~the disabled people~~ [with disabilities](#).
- Integrate affordable housing more uniformly in the community.
- Provide a means for adult children to give care and support to a parent in a semi-independent living arrangement.
- ~~Foster better housing maintenance and neighborhood stability.~~
- ~~Provide the opportunity for increased security and companionship for elderly and other homeowners who fear crime and personal accidents.~~
- Help maintain the Urban Growth Boundary by creating more housing opportunities within existing urban areas.

A. Permitted Zoning Districts. Accessory dwelling units (ADU) are allowed in any zone that allows single family or multi-family housing and within the Central Business District (C-1) and Village Commercial District (C-3).

B. Dimensional Standards.

Type	Standard
Minimum Average Lot Width, Frontage, Depth	Same as underlying zoning district
Maximum square footage	600-800 sq. ft.
Maximum number of occupants	3
Setbacks	Same as underlying zoning district
Structure Height	Same as underlying zoning district
Building Site Coverage	No maximum
Off-Street Parking	See Chapter 17.08 No minimum
Landscaping	Same as underlying zoning district

~~C. Occupancy Limitations:~~

- ~~1. The owner of the lot must occupy either the principal residence or the accessory unit except for bona fide temporary absences.~~
- ~~2. Occupancy may be granted without a specific time limitation, but if a written complaint is filed, a public hearing will be scheduled before the Planning Commission, to consider the nature of the violation or complaint and revocation of the permit~~

C. Design Standards.

1. The accessory dwelling unit shall ~~remain subordinate~~ [be accessory](#) to the ~~principal primary~~ residence.
2. ~~The~~ ADU shall [have a pedestrian walkway that connects the primary entrance of the ADU to the public sidewalk](#) ~~be adequate provisions for ingress and egress, but separation is not required.~~ [The pedestrian walkway shall consist of materials such as concrete, asphalt, stone, brick, permeable pavers, or other materials as approved by the Director. The pedestrian walkway shall be permanently affixed to the ground with gravel subsurface or a comparable subsurface as approved by the Director.](#)
- ~~3. Traffic generated by the accessory dwelling unit shall not interfere with the proper functioning of the principal primary residence.~~

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- ~~4.3~~ An ADU may be either stick-built or a modular dwelling unit in compliance with Section 17.90.140, but may not be a single wide manufactured dwelling unit.
- ~~5.4~~ Detached ADUs shall ~~be architecturally consistent with the principal primary dwelling unit~~ provide at least three design standards consistent with Section 17.90.150 on the street-facing façade(s) and shall provide at least X percent windows on the ground floor elevation of the street facing façade(s).
- ~~6.~~ Attached ADUs shall have the appearance of a single family dwelling.
- ~~7.5~~ Primary entrances shall not be in front of the ~~principal primary unit~~ residence.

D.E. Permit Issuance.

- 1. A permit to construct or alter a dwelling to accommodate an ADU may be issued under a Type I procedure if the application is in compliance with the ADU standards.
- 2. Required permit information shall be limited to that for single-family dwellings.
- 3. Construction permit fees shall be based on the same fee schedule as a single-family dwelling.
- 4. ADUs may be added to an existing residential dwelling or built concurrently with a new residence.

E.F. Additional Requirements.

- ~~1.~~ Adequate provisions shall be made for drainage. The ADU shall connect to municipal water and sewage waste sanitary sewer if the primary dwelling is connected to the municipal water and sewer system. Parcels more than 300 feet from a municipal sewer, may connect to a new or existing on-site sewage disposal system provided all of the following are satisfied:
 - ~~a.~~ An on-site sewage disposal permit or permit modification is secured from Clackamas County and a copy is provided to the city;
 - ~~b.~~ The property owner executes a waiver of remonstrance to a local improvement district and/or signs a deed restriction agreeing to complete improvements, including but not limited, to curbs, sidewalks, sanitary sewer, water, storm sewer or other improvements which directly benefit the property;
 - ~~c.~~ The minimum size of the property is one acre or is a pre-existing buildable lot, as determined by the city;
 - ~~d.~~ Site consists of a buildable parcel(s) created through dividing property in the city, which is less than five acres in size.
- ~~1.2~~ The accessory dwelling unit shall meet applicable building code requirements for two-family dwelling units.
- ~~2.~~ ADUs may not be developed for sale and may only be rented.
- 3. Illegal ADUs may be legalized if they conform, or are brought into conformance with the Sandy Municipal Code and the Oregon Structural Specialty Code, basic zoning, building, plumbing, mechanical and electrical codes.
- ~~4.~~ ADU requirements shall be recorded as a deed restriction against the property.
- ~~5.4~~ Periodic review of ADUs shall be conducted by the city-City to evaluate and reconsider existing densities.

Commented [EM2]: Check with Mike to see if this can be deleted. Mike says to check with David D. ("I think so - 17.34.40 is pretty murky. Is it referring to a site that is less than 5 ac. or parcels (partitioned within the site?) that are less than 5 ac.? Might check with our legal team though.")

Commented [EM3]: Mike's comment: "What about allowing ADUs to connect to the primary dwelling's water and /or sewer system, (i.e. no separate water meter or sewer connection) if permitted by the Oregon State Specialty Code? The primary dwelling owner or the developer can decide if they want a separate water meter and sewer connection. In a Homeowner-developed ADU I assume they would choose the former and a Developer would choose the latter."

17.74.80 HOME BUSINESSES

The provision for a home business is in recognition of the needs of many people who are engaged in small-scale business ventures, which cannot be expanded to a full-scale enterprise. It is the intent of this section that full-scale commercial or professional operations, which would ordinarily be conducted in a commercial or industrial district, continue to be conducted in the

appropriate zoning district and not a dwelling. These regulations apply to family day care businesses.

A. Home Business Regulations.

1. No sign is used other than a nameplate indicating the name of the resident (not the business name) not over two sq. ft. in area.
2. There is no display that will indicate from the exterior that the building is being used in whole or in part for any purpose other than a dwelling.
3. There is no outside storage of materials other than plant materials.
4. The home occupation is licensed by the city.
5. There is no more than one non-resident employee working on the site.
6. The building retains the characteristics of a residence.
7. The use does not destroy the residential character of the neighborhood.

B. Complaint Procedures.

1. Complaints on Items 1 through 5 will be handled routinely by the Director.
2. Complaints on Items 6 and 7 will be dealt with as follows:
 - a) Upon receipt of three written complaints specifically stating the nature of the objection from three separate households located within three hundred ft. of the boundary of the affected property, the Director shall:
 - 1) Investigate the complaints;
 - 2) Prepare a report to the Planning Commission; and,
 - 3) Schedule a public hearing before the Planning Commission to make a decision on the validity of the complaint.
3. Standards evaluating complaints shall include:
 - a) Generation of excessive traffic;
 - b) Monopoly of on-street parking spaces;
 - c) Frequent deliveries and pickups by motor freight;
 - d) Noise in excess of that created by normal residential use (either in terms of volume or hours of occurrence);
 - e) Smoke, fumes, or odors in excess of those created by normal residential use;
 - f) Other offensive activities not in harmony with a residential neighborhood.
4. Planning Commission Action. The Planning Commission, upon hearing the evidence may:
 - a) Approve the use as it exists;
 - b) Require the use to be terminated;
 - c) Impose appropriate restriction, such as limiting hours of operation, establishing a phase-out period or other measures insuring compatibility with the neighborhood.

17.74.90 FOOD AND BEVERAGE CARTS

A. Intent

The purpose of these regulations is to permit food and beverage carts on a year-round basis where eating and drinking establishments are permitted outright.

B. Applicability

The provisions of this section apply to food and beverage carts used in the preparation and/or sales of food and beverage items to the general public. Drive-through uses are not permitted as

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food carts under this section. Carts must be mobile units but are not permitted to operate from a motorized vehicle. An example of a mobile unit that meets this standard includes a trailer modified for the purpose of selling food (but not a food truck or RV).

C. Permit Required

1. Food and Beverage Carts are required to obtain a Food Cart Permit and a City of Sandy Business License prior to operating.
2. The initial permit review for a Food Cart Permit shall follow a Type II review procedure per the requirements of Chapter 17.18.
3. Food Cart permits are valid for the calendar year in which they are issued and will be renewed through a Type I procedure, except if the use was the subject of a City Code Enforcement action. If an enforcement action has occurred, the use shall be reviewed at the time of renewal following the Type II review procedure.

D. Submission Requirements

An application for a permit to allow operation of one or more food carts on private property shall be on forms provided by the Director and include materials listed as follows:

1. A completed General Land Use Application and application fee.
2. List and mailing labels for property owners within 200 feet of the subject property.
3. Site plan drawn to scale including:
 - a. Site dimensions.
 - b. Relationship of the site to adjoining properties, streets, alleys, structures, public utilities, and drainage ways.
 - c. Number and location of food carts on the site.
 - d. Individual square footage of all food carts.
 - e. Accessible pedestrian route clearances.
 - f. Size, location, and clearances of customer seating areas.
 - g. Vehicular circulation and access points.
 - h. Parking, maneuvering and loading areas.
 - i. Location and design elevation of all structures.
 - j. Location and specification of landscaped areas.
 - k. Location and specifications of food cart pads.
 - l. Location and design of fences and walls.
 - m. Number and location of trash and recycling areas.
 - n. Location and type of auxiliary storage.
4. Pictures or architectural elevations of proposed food cart(s).
5. Proximity to bathroom and written permission, if applicable.
6. Disposal plan for wastewater and gray water.
7. Exterior lighting plan indicating location, size, height, typical design, material, color, and method of illumination.
8. Written verification that the food cart has been inspected and meets applicable County Health regulations.
9. Any additional information that may be required by the Director to properly evaluate the proposed site plan.

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10. The Director may waive any of the requirements above where determined that the information required is unnecessary to properly evaluate the proposal.

E. Standards for Food and Beverage Carts

An application for a food and beverage cart shall be reviewed for compliance with the following standards:

Location and Design

1. Drive-through uses are not permitted in food carts.
2. Carts shall not exceed 20 feet in length, not including the trailer hitch, or be greater than 200 square feet.
3. All carts shall be placed on a paved surface such as but not limited to concrete, asphalt or pavers, or other approved material excluding gravel. If new paved surface is added to a site to accommodate a cart, the parking area shall comply with applicable parking design standards contained in Chapter 17.98.
4. Carts shall be located at least three (3) feet from the public right-of-way or back of sidewalk, whichever provides the greater distance from the public right-of-way.
5. Carts shall be located at least 5 feet away from other carts.
6. Carts shall not be located within 25 feet of an active driveway entrance as measured in all directions from where the driveway enters the site at the edge of the street right-of-way.
7. Carts shall not occupy fire lanes or drive aisles necessary for vehicular circulation or fire/emergency vehicle access.
8. Customer service windows shall be located at least five (5) feet from an active drive aisle used by cars.
9. Carts shall not occupy pedestrian walkways or required landscape areas.
10. Carts shall not occupy parking needed to meet minimum vehicle and bicycle parking requirements per Chapter 17.98. Blocking automobile access to parking spaces shall be considered occupying the spaces.
11. Each food cart shall provide a minimum of one paved off-street parking space for employee use or provide proof of written permission from an adjacent business or property owner within 1/4 mile of the subject site allowing the food cart operator to share parking facilities.
12. The exterior surfaces of all carts shall be clean and free from dents, rust, peeling paint, and deterioration, and windows shall not be cracked or broken. Day-glo and highly reflective colors are prohibited.
13. Each cart shall provide an awning for shelter to customers with a minimum clearance of seven (7) feet between the ground and the awning.
14. Tents and canopies shall not have not tears, mold, or broken or non-functioning supports and shall be securely anchored.
15. Carts shall limit the visual effect of accessory items not used by customers, including but not limited to tanks, barrels, etc. by screening with a site-obscuring fence or landscaping, or containing them within a small storage shed.
16. All seating areas shall be located on the subject property at least 10 feet from a food cart and seating areas shall be separated from parking areas by an approved fence or barrier.
17. Signage shall comply with Chapter 15.32, Sign Code regulations. Each cart is permitted one (1) A-Frame sign.
18. Auxiliary storage shall be provided on site when there are four (4) or more food carts. The structure for auxiliary storage shall meet Chapter 17.90, Design Standards.

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Fire Safety

19. Carts shall meet Fire Code requirements regarding distances from other structures or combustible materials.
20. Any cooking device within a food cart that creates grease-laden vapors shall provide an approved hood and extinguishing system, or be the type with a self-closing lid as approved by the Fire Marshall.
21. Appropriate fire extinguishers are required.
22. Propane tanks shall be stored and handled properly and be located at least 10 feet from combustible vegetation and trash receptacles and 20 feet from a potential ignition source. Propane tanks shall remain outdoors and be secured from falling.
23. Carts shall not have any internal floor space available to customers.

Health and Sanitation

24. Trash and recycle receptacles shall be provided on site, and must be emptied and maintained. Trash and recycle receptacles shall be provided at a rate of one (1) receptacle for every food cart. Where the food cart operator proposes to provide a common seating area a minimum of one (1) trash receptacle and one (1) recycle receptacle shall be provided in the common seating area.
25. Restrooms with handwashing facilities shall be provided for employees and customers. The restroom can be on-site or within one-quarter mile or a five-minute walk (such as at a neighboring business) and must be available during the cart's hours of operation. If the restroom is not on-site, the food cart operator shall submit written permission from an adjacent business or property owner where the facility is located.
26. Sites containing more than one food cart shall provide a restroom facility on-site.
27. Wastewater and gray water shall be disposed of properly without harm to the environment or city infrastructure. An approved disposal plan shall detail storage and removal methods.
28. Food carts that are fully contained; i.e., carts that provide their own water, power, and waste disposal, are permitted with no additional utility considerations beyond the permitting process and site plan approval described herein. Food carts that require a water source, power source, or waste disposal location are permitted only where the Director has approved site plans that show safe access and location of the aforementioned provisions. Such provisions may be subject to all applicable building permits and System Development Charge requirements.

F. Conditions of Permit

The permit issued shall be in a form deemed suitable by the Director. In addition to naming the property owner as permittee and other information deemed appropriate, the permit shall contain the following minimum conditions.

1. Permit requirements:
 - a. Each food cart permit issued shall terminate December 31st of the year in which it is issued.
 - b. The permit issued shall be personal to the permittee only and is not transferable in any manner. The permittee will be responsible for compliance with all conditions of approval.
 - c. The permit is specifically limited to the area approved or as modified by the Director, and will include a site plan indicating the area approved for the operation of one or more food carts and the location of common seating areas, if provided.

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2. Requirements for properties containing one or more food carts:
 - a. The property containing one or more food carts and all things placed thereon shall at all times be maintained in a clean and orderly condition. Only those things authorized by the permit and shown on the site plan may be stored on the subject property.
3. Additional licensing requirements: All mobile food carts shall be appropriately licensed and approved for operation in Clackamas County as a Class I – IV mobile food cart. Additionally, each food cart shall be inspected by the Sandy Fire Department once per calendar year, as warranted by the Sandy Fire Department. All food carts are subject to all applicable city, county, and state regulations. The property owner shall ensure that each food cart located on the subject site complies with these regulations.

G. Denial, Revocation or Suspension of Permit

1. A food cart permit shall be subject to revocation by the Director if the application is found to include false information or if the conditions of approval have not been complied with or are not being maintained.

Food carts that have not been in use for over 30 days are determined defunct and shall be removed from the private property which they are located.

2. Food carts that have not been in use for over 60 days are determined abandoned and shall be removed in accordance with nuisance regulations as described in Title 8 of the Sandy Municipal Code.
3. Reapplication for a food cart, which has been denied or revoked, cannot be made within one (1) year from the date of the Director's action, except that the Director may schedule a hearing before the City Council if there is new evidence or a change in circumstances.

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**CHAPTER 17.82
SPECIAL SETBACKS ON TRANSIT STREETS**

17.82.00 INTENT

The intent is to provide for convenient, direct, and accessible pedestrian access to and from public sidewalks and transit facilities; provide a safe, pleasant and enjoyable pedestrian experience by connecting activities within a structure to the adjacent sidewalk and/or transit street; and, promote the use of pedestrian, bicycle, and transit modes of transportation.

17.82.10 APPLICABILITY

This chapter applies to all residential development located adjacent to a transit street. A transit street is defined as any street designated as a collector or arterial, unless otherwise designated in the Transit System Plan.

17.82.20 BUILDING ORIENTATION

- A. All residential dwellings shall have their primary entrances oriented toward a transit street rather than a parking area, or if not adjacent to a transit street, toward a public right-of-way or private walkway which leads to a transit street.
- B. Dwellings shall have a primary entrance connecting directly between the street and building interior. A clearly marked, convenient, safe and lighted pedestrian route shall be provided to the entrance, from the transit street. The pedestrian route shall consist of materials such as concrete, asphalt, stone, brick, permeable pavers, or other materials as approved by the Director. The pedestrian path shall be permanently affixed to the ground with gravel subsurface or a comparable subsurface as approved by the Director.
- C. Primary dwelling entrances shall be architecturally emphasized and visible from the street and shall include a covered porch at least 5 feet in depth.
- D. If the site has frontage on more than one transit street, the dwelling shall provide one main entrance oriented to a transit street or to a corner where two transit streets intersect.

~~D.~~E.Exception for Flag Lots. Single-family homes, duplexes, or a single-family home converted to a duplex on a flag lot where the driveway approach to the flagpole is on a transit street and the lot does not have additional frontage on a second transit street are exempt from the standards of Sections 17.82.20(B and C).

EXHIBIT F

CHAPTER 17.98 PARKING, LOADING, AND ACCESS REQUIREMENTS

17.98.00 INTENT

The intent of these regulations is to provide adequate capacity and appropriate location and design of parking and loading areas as well as adequate access to such areas. The parking requirements are intended to provide sufficient parking in close proximity for residents, guests/visitors, customers, and/or employees of various land uses. These regulations apply to both motorized vehicles (hereinafter referred to as vehicles) and bicycles.

17.98.10 GENERAL PROVISIONS

- A. Provision and Maintenance. The provision of required off-street parking for vehicles and bicycles and loading facilities for vehicles is a continuous obligation. Building permits or other permits will only be issued after review and approval of site plans showing location of permanent access, parking and loading facilities.
- B. Unspecified Requirements. Vehicle and bicycle parking requirements for uses not specified in this chapter shall be determined by the Director based upon the requirements of similar specified uses.
- C. New Structure or Use. When a structure is constructed or a new use of land is commenced, on-site vehicle and bicycle parking and loading spaces shall be provided in accordance with Section 17.98.20 below or as otherwise modified through a planned development or specific area plan.
- D. Alteration of Existing Structures. When an existing structure is altered to the extent that the existing use is intensified, on-site vehicle and bicycle parking shall be provided in the amount required for such intensification. Alteration of existing structures, increased intensity, and change in use per Sections 17.98.10 (D.), (E.) and (F.) does not apply to commercial uses in the Central Business District (C-1).
- E. Increased Intensity. When increased intensity requires no more than four (4) vehicle spaces, no additional parking facilities shall be required. However, the effects of changes, additions, or enlargements shall be cumulative. When the net effect of one or more changes generates a need for more than four spaces, the additional required spaces shall be provided. Additional spaces shall be required for the intensification but not for the original use.
- F. Change in Use. When an existing structure or use of land is changed in use from one use to another use as listed in Section 17.98.20 below and the vehicle and bicycle parking requirements for each use type are the same; no additional parking shall be required. However, where a change in use results in an intensification of use in terms of number of vehicle and bicycle parking spaces required, additional parking space shall be provided in an amount equal to the difference between the number of spaces required for the existing use and number of spaces required for the more intensive use.
- G. Time of Completion. Required parking spaces and loading areas shall be improved and available for use prior to issuance of a temporary certificate of occupancy and/or final building inspection or final certificate of occupancy.

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- H. Inoperative Motor Vehicles. In all residential zoning districts, all motor vehicles incapable of movement under their own power or lacking legal registration shall be completely screened from public view.
- I. Truck Parking. In all residential zoning districts, no overnight parking of trucks or other equipment on wheels or tracks exceeding a 1-ton capacity used in the conduct of a business activity shall be permitted except vehicles and equipment necessary for farming on the premises where such use is conducted.
- J. Mixed Uses. In the case of mixed uses, the total required vehicle and bicycle parking shall be the sum of requirements of individual uses computed separately.
- K. Conflicting Parking Requirements. When a building or use is planned or constructed in such a manner that more than one standard is applicable, the use that requires the greater number of parking spaces shall govern.
- L. Availability of Parking Spaces. Required vehicle and bicycle parking spaces shall be unobstructed, available for parking of vehicles and bicycles of residents, customers, patrons, and employees only, and shall not be used for storage of vehicles or materials or for parking of vehicles and bicycles used in conducting the business or use and shall not be used for sale, repair, or servicing of any vehicle or bicycle.
- M. Residential Parking Analysis Plan. A Residential Parking Analysis Plan shall be required for all new residential planned developments, subdivisions, and partitions to include a site plan depicting all of the following:
1. Location and dimension of required parking spaces as specified in Section 17.98.200.
 2. Location of areas where parking is not permitted as specified in Sections 17.98.200(A)(3) and (5).
 3. Location and design of parking courts (if applicable).
- N. Location of Required Parking.
1. Off-street vehicle parking required for single family dwellings (both attached and detached) and duplexes shall be provided on the development site of the primary structure. Except where permitted by 17.98.40 below, required parking for all other uses in other districts shall be provided on the same site as the use or upon abutting property.
 2. Bicycle parking required for all uses in all districts shall be provided on the development site in accordance with Section 17.98.160 below.
- O. Unassigned Parking in Residential Districts.
1. Multi-family dwelling units with more than 10 required vehicle parking spaces shall provide unassigned parking. The unassigned parking shall consist of at least 15 percent of the total required parking spaces and be located to be available for use by all occupants and guests of the development.
 2. Multi-family dwelling units with more than 10 required bicycle parking spaces may provide shared outdoor bicycle parking. The shared bicycle parking shall consist of at least 15 percent of the total required parking spaces and be located such that they are available for shared use by all occupants and guests of the development.

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P. Fractions. When the sum of the required vehicle and bicycle parking spaces is a fraction of a space (0.5 or more of a space) a full space shall be required.

Q. Maximum Parking Allowed. Commercial or Industrial zoned properties shall not be permitted to exceed the minimum off-street vehicle parking required by Section 17.98.20 by more than 30 percent.

17.98.20 OFF-STREET PARKING REQUIREMENTS

A. **Off Street Parking Requirements**. Off street parking shall conform to the following standards:

1. Commercial uses in the Central Business District (C-1) are exempt from off street parking requirements. Residential uses in the Central Business District (C-1) have to provide off street parking per this section but may get a reduction per Section 17.98.30 (B.).
2. All square footage measurements are gross square feet of total floor area.
3. 24 lineal inches of bench shall be considered 1 seat.
4. Except as otherwise specified, parking for employees shall be provided based on 1 space per 2 employees for the largest shift in addition to required parking specified in Sections 8 – 11 below.
5. Where less than 5 parking spaces are required, then only one bicycle space shall be required except as otherwise modified in Sections 8 – 11 below.
6. In addition to requirements for residential off-street parking, new dwellings shall meet the on-street parking requirements in Section 17.98.200.
7. Uses that rely on square footage for determining parking requirements may reduce the overall square footage of the use by deducting bathrooms, mechanical rooms, and other auxiliary rooms as approved by the Director.

8.

Residential Uses	Number of Parking Spaces	Number of Bicycle Spaces
Single Family Detached/Attached	2 per dwelling unit	Exempt
Duplexes	2 per dwelling unit	Exempt
Manufactured Home Park	2 per dwelling, plus 1 visitor space for each 10 vehicle spaces	Exempt
Multi-Family Dwellings	1.5 per studio unit or 1-bedroom unit 2.0 per 2-bedroom unit or greater	1 per dwelling unit
Congregate Housing, Retirement Homes, Intermediate Care Facilities, Group Care Facilities, and Halfway Houses	1 per each 3 residents, plus 1 per 2 employees	5% or 2 whichever is greater

9.

Community Service, Institutional and Semi-Public Uses	Number of Parking Spaces	Number of Bicycle Spaces
Administrative Services	1 per 400 sq. ft., plus 1 per 2 employees	5% or 2 whichever is greater

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Community Recreation Buildings, Library, or Museum	1 per 250 sq. ft., plus 1 per 2 employees	5% or 2 whichever is greater
Church, Chapel, Auditorium, or Fraternal Lodge without eating and drinking facilities	1 per 4 fixed seats or 1 per each 50 sq. ft. of public assembly area where there are no fixed seats, plus 1 per 2 employees	5% or 2 whichever is greater
Hospitals	1 per examine room or bed, and 1 per 4 seats in waiting room or chapel, plus 1 per 2 employees	5% or 2 whichever is greater
Commercial Daycare	2 for the facility, plus 1 per employee on the largest shift	2
School – Preschool/Kindergarten	2 per classroom, plus 1 per 2 employees	2
School – Elementary or Middle School/Junior High	2 per classroom, plus 1 per 2 employees	5% or 2 whichever is greater
School – Senior High, Vocational or College	6 per classroom, plus 1 per employee on the largest shift	5% or 2 whichever is greater

10.

Commercial Uses	Number of Parking Spaces	Number of Bicycle Spaces
Retail Sales, General or Personal Services, Professional Offices, Shopping Centers, Grocery Stores, Convenience Stores	1 per 400 sq. ft., plus 1 per 2 employees	5% or 2 whichever is greater
Retail Sales of Bulky Merchandise (examples: furniture or motor vehicles)	1 per 1,000 sq. ft., plus 1 per 2 employees	2
Eating or Drinking Establishments	1 per 250 sq. ft. of gross floor area or 1 per 4 fixed seats or stools, plus 1 per 2 employees	5% or 2 whichever is greater
Funerals and Interment Services: Crematory and Undertaking <i>Interring and Cemeteries are exempt</i>	1 per 4 fixed seats or 1 space for each 50 sq. ft. of public assembly area where there are no fixed seats, plus 1 per 2 employees	2
Fuel Sales (without store)	1 per employee on the largest shift	2
Medical or Dental Office or Clinic	1 per examine room or bed, and 1 per 4 seats in waiting room, plus 1 per 2 employees	5% or 2 whichever is greater
Participant Sports or Recreation: Indoor or Outdoor; Spectator Sports; Theater or similar use	1 per 4 fixed seats or 1 space per 4 participants based on projected participant capacity, plus 1 per 2 employees	5% or 2 whichever is greater
Campground or RV Park	1 per designated space, plus 1 visitor space for each 8 designated spaces, plus 1 per 2 employees	Exempt
Hotel or Motel	1 per guest room or suite, plus 1	2

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	per 2 employees	
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11.

Industrial Uses	Number of Parking Spaces	Number of Bicycle Spaces
Sales, Storage, Rental, Services and Repairs of: Agricultural and Animals Automotive/Equipment Fleet Storage Light Equipment Non-operating vehicles, boats and recreational vehicles Building Equipment	1 per 1,000 sq. ft., plus 1 per 2 employees	2
Sales, Storage, Rental, and Repairs of: Heavy Equipment, or Farm Equipment	1 per 1,000 sq. ft., plus 1 per 2 employees	2
Storage, Distribution, Warehousing, or Manufacturing establishment; trucking freight terminal	1 per employee on the largest shift	2

17.98.30 REDUCTION OF PARKING REQUIREMENTS

A. Transit Amenity Reduction.

1. Any existing or proposed use in the C-2, C-3, or I-1 Zoning Districts subject to minimum parking requirements and located within 400 feet of an existing transit route may reduce the number of required parking spaces by up to 10 percent by providing a transit stop and related amenities including a public plaza, pedestrian sitting areas, or additional landscaping provided such landscaping does not exceed 25 percent of the total area dedicated for transit oriented purposes.
2. Required parking spaces may be reduced at a ratio of 1 parking space for each 100 square feet of transit amenity space provided above and beyond the minimum requirements.
3. Uses, which are not eligible for these reductions, include truck stops, building materials and lumber sales, nurseries and similar uses not likely to be visited by pedestrians or transit customers.

B. Residential uses in the Central Business District and Village Commercial District Reduction.

Required off-street parking for residential uses in the C-1 and C-3 Zoning District may be reduced by 25 percent.

17.98.40 SHARED USE OF PARKING FACILITIES

- A. Except for single family dwellings (both attached and detached) and duplexes, required parking facilities may be located on an adjacent parcel of land or separated only by an alley or local street, provided the adjacent parcel is maintained in the same ownership as the use it is required to serve or a shared parking agreement that can only be released by the Director is recorded in the deed records of Clackamas County.

- B. In the event that several parcels occupy a single structure or parcel of land, the total requirements for off-street parking shall be the sum of the requirements for the uses computed separately.
- C. Required parking facilities for two or more uses, structures, or parcels of land may be satisfied by the same parking facility used jointly, to the extent that it can be shown by the owners or operators that the needs of the facilities do not materially overlap (e.g., uses primarily of day time versus night time uses) and provided that such right of joint use is evidenced by a deed, lease, contract or similar written instrument recorded in the deed records of Clackamas County establishing such joint use.

17.98.50 SETBACKS

- A. Parking areas, which abut a residential zoning district, shall meet the setback of the most restrictive adjoining residential zoning district.
- B. Required parking shall not be located in a required front or side yard setback area abutting a public street except in industrial districts. For single family and duplexes, required off-street parking may be located in a driveway.
- C. Parking areas shall be setback from a lot line adjoining a street the same distance as the required building setbacks. Regardless of other provisions, a minimum setback of 5 feet shall be provided along the property fronting on a public street. The setback area shall be landscaped as provided in this code.

17.98.60 DESIGN, SIZE AND ACCESS

All off-street parking facilities, vehicular maneuvering areas, driveways, loading facilities, accessways, and private streets shall conform to the standards set forth in this section.

- A. Parking Lot Design. All areas for required parking and maneuvering of vehicles shall have a durable hard surface such as concrete or asphalt.
- B. Size of Space.
 1. A standard parking space shall be 9 feet by 18 feet.
 2. A compact parking space shall be 8 feet by 16 feet.
 3. Accessible parking spaces shall be 9 feet by 18 feet and include an adjacent access aisle meeting ORS 447.233. Access aisles may be shared by adjacent spaces. Accessible parking shall be provided for all uses in compliance with the requirements of the State of Oregon (ORS 447.233) and the Americans with Disabilities Act.
 4. Parallel parking spaces shall be a length of 22 feet.
 5. No more than 40 percent of the parking stalls shall be compact spaces.

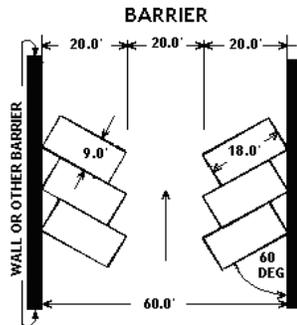
C. Aisle Width.

Parking Aisle	Single Sided One-Way	Single Sided Two-Way	Double Sided One-Way	Double Sided Two-Way
90 degree	20 feet	22 feet	25 feet	25 feet
60 degree	20 feet	20 feet	20 feet	20 feet

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45 degree	20 feet	20 feet	20 feet	20 feet
Parallel	12 feet	12 feet	16 feet	16 feet



17.98.70 ON-SITE CIRCULATION

- A. Groups of more than three (3) parking spaces shall be permanently striped. Accessible parking spaces and accompanying access aisles shall be striped regardless of the number of parking spaces.
- B. Backing and Maneuvering. Except for a single family dwelling, duplex, or accessory dwelling unit, groups of more than 3 parking spaces shall be provided with adequate aisles or turnaround areas so that all vehicles enter the right-of-way (except for alleys) in a forward manner. Parking spaces shall not have backing or maneuvering movements for any of the parking spaces occurring across public sidewalks or within any public street, except as approved by the City Engineer. Evaluations of requests for exceptions shall consider constraints due to lot patterns and impacts to the safety and capacity of the adjacent public street, bicycle and pedestrian facilities.

17.98.80 ACCESS TO ARTERIAL AND COLLECTOR STREETS

- A. Location and design of all accesses to and/or from arterials and collectors (as designated in the Transportation System Plan) are subject to review and approval by the City Engineer. Where practical, access from a lower functional order street may be required. Accesses to arterials or collectors shall be located a minimum of 150 ft. from any other access or street intersection. Exceptions may be granted by the City Engineer. Evaluations of exceptions shall consider posted speed of the street on which access is proposed, constraints due to lot patterns, and effects on safety and capacity of the adjacent public street, bicycle and pedestrian facilities.
- B. No development site shall be allowed more than one access point to any arterial or collector street (as designated in the Transportation System Plan) except as approved by the City Engineer. Evaluations of exceptions shall be based on a traffic impact analysis and parking

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and circulation plan and consider posted speed of street on which access is proposed, constraints due to lot patterns, and effects on safety and capacity of the adjacent public street, bicycle and pedestrian facilities.

- C. When developed property is to be expanded or altered in a manner that significantly affects on-site parking or circulation, both existing and proposed accesses shall be reviewed under the standards in A and B above. As a part of an expansion or alteration approval, the City may require relocation and/or reconstruction of existing accesses not meeting those standards.

17.98.90 ACCESS TO UNIMPROVED STREETS

Access to Unimproved Streets. At the Director’s discretion development may occur without access to a City standard street when that development constitutes infill on an existing substandard public street. A condition of development shall be that the property owner signs an irrevocable petition for street improvements and/or a declaration of deed restrictions agreeing to future completion of street improvements. The form shall be provided by the City and recorded with the property through the Clackamas County Recorder’s Office. This shall be required with approval of any of the following applications:

- Land partitions
- Conditional uses
- Building permits for new non-residential construction or structural additions to non-residential structures (except accessory development)
- Building permits for new residential units

17.98.100 DRIVEWAYS

- A. A driveway to an off-street parking area shall be improved from the public right-of-way to the parking area a minimum width of 20 feet for a two-way drive or 12 feet for a one-way drive, but in either case not less than the full width of the standard approach for the first 20 feet of the driveway.
- B. A driveway for a single-family dwelling or duplex shall have a minimum width of 10 feet. The driveway approach within the public right-of-way shall not exceed 24 feet in width measured at the bottom of the curb transition. A driveway approach shall be constructed in accordance with applicable city standards and the entire driveway shall be paved with asphalt or concrete. Shared driveway approaches may be required for adjacent lots in cul-de-sacs in order to maximize room for street trees and minimize conflicts with utility facilities (power and telecom pedestals, fire hydrants, streetlights, meter boxes, etc.)
- ~~C. A driveway for a two-family dwelling shall have a minimum width of 20 feet. The driveway approach in the public right of way shall not exceed 24 feet in width as measured in section B above. A driveway approach shall be constructed in accordance with applicable city standards and the entire driveway shall be paved with asphalt or concrete.~~
- ~~D-C.~~ Driveways, aisles, turnaround areas and ramps shall have a minimum vertical clearance of twelve feet for their entire length and width, but such clearance may be reduced in parking structures as approved by the Director.

Commented [ES1]: This is in conflict with OAR 660-046-0110(3) –

“Siting and design standards that create unreasonable cost and delay include any standards applied to Duplex development that are more restrictive than those applicable to detached single-family dwellings in the same zone.”

You could address this by either adding duplexes to 17.98.100(B) or constructing this standard to relate to the number of parking spaces provided (since they are the same, they wouldn’t affect duplexes differently – and would control scenarios where people elect to provide more parking spaces)

~~F~~D. No driveway shall exceed a grade of 15 percent at any point along the driveway length, measured from the right-of-way line to the face of garage or furthest extent of the driveway.

~~F~~E. The nearest edge of a driveway approach shall be located a minimum of 15 feet from the point of curvature or tangency of the curb return on any street.

~~G~~E. The sum of the width of all driveway approaches within the bulb of a cul-de-sac as measured in section B above shall not exceed fifty percent of the circumference of the cul-de-sac bulb. The cul-de-sac bulb circumference shall be measured at the curb line and shall not include the width of the stem street. The nearest edge of driveway approaches in cul-de-sacs shall not be located within 15 feet of the point of curvature, point of tangency or point of reverse curvature of the curb return on the stem street.

Acronyms on the next page:

PT = point of tangency

PC = point of curvature

PRC = point of reverse curvature

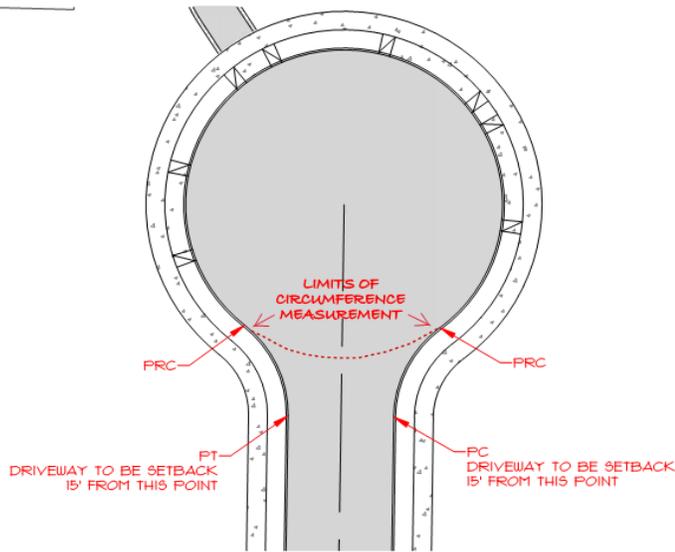
~~H~~G. The location and design of any driveway approach shall provide for unobstructed sight per the vision clearance requirements in section 17.74.30. Requests for exceptions to these requirements will be evaluated by the City Engineer considering the physical limitations of the lot and safety impacts to vehicular, bicycle, and pedestrian traffic.

~~H~~H. Driveways shall taper to match the driveway approach width to prevent stormwater sheet flow from traversing sidewalks.

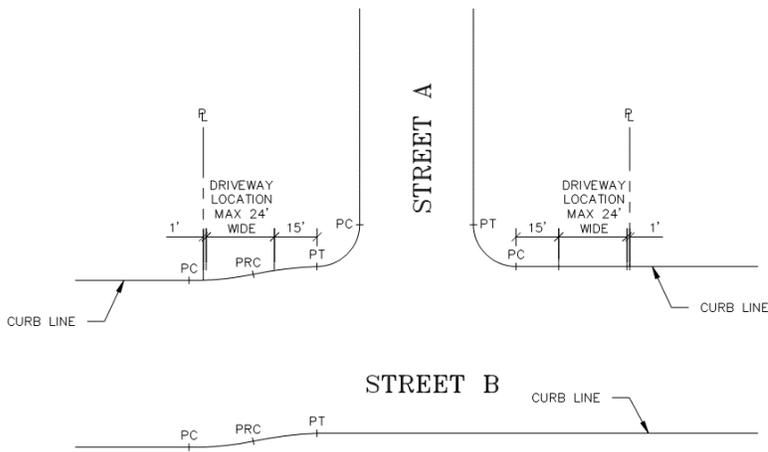
CUL-DE-SAC EXHIBIT

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DRIVEWAY LOCATION EXHIBIT



17.98.110 VISION CLEARANCE

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- A. Except within the Central Business District, vision clearance areas shall be provided at intersections of all streets and at intersections of driveways and alleys with streets to promote pedestrian, bicycle, and vehicular safety. The extent of vision clearance to be provided shall be determined from standards in Chapter 17.74 and taking into account functional classification of the streets involved, type of traffic control present at the intersection, and designated speed for the streets.
- B. Traffic control devices, streetlights, and utility installations meeting approval by the City Engineer are permitted within vision clearance areas.

17.98.120 LANDSCAPING AND SCREENING

- A. Screening of all parking areas containing 4 or more spaces and all parking areas in conjunction with an off-street loading facility shall be required in accordance with zoning district requirements and Chapter 17.98. Where not otherwise specified by district requirement, screening along a public right-of-way shall include a minimum 5 feet depth of buffer plantings adjacent to the right-of-way.
- B. When parking in a commercial or industrial district adjoins a residential zoning district, a sight-obscuring screen that is at least 80 percent opaque when viewed horizontally from between 2 and 8 feet above the average ground level shall be required. The screening shall be composed of materials that are an adequate size so as to achieve the required degree of screening within 3 years after installation.
- C. Except for a residential development which has landscaped yards, parking facilities shall include landscaping to cover not less than 10 percent of the area devoted to parking facilities. The landscaping shall be uniformly distributed throughout the parking area and may consist of trees, shrubs, and ground covers.
- D. Parking areas shall be divided into bays of not more than 20 spaces in parking areas with 20 or more spaces. Between, and at the end of each parking bay, there shall be planters that have a minimum width of 5 feet and a minimum length of 17 feet for a single depth bay and 34 feet for a double bay. Each planter shall contain one major structural tree and ground cover. Truck parking and loading areas are exempt from this requirement.
- E. Parking area setbacks shall be landscaped with major trees, shrubs, and ground cover as specified in Chapter 17.92.
- F. Wheel stops, bumper guards, or other methods to protect landscaped areas and pedestrian walkways shall be provided. No vehicle may project over a property line or into a public right-of-way. Parking may project over an internal sidewalk, but a minimum clearance of 5 feet for pedestrian circulation is required.

17.98.130 PAVING

- A. Parking areas, driveways, aisles and turnarounds shall be paved with concrete, asphalt or comparable surfacing, constructed to City standards for off-street vehicle areas.

- B. Gravel surfacing shall be permitted only for areas designated for non-motorized trailer or equipment storage, propane or electrically powered vehicles, or storage of tracked vehicles.

17.98.140 DRAINAGE

Parking areas, aisles and turnarounds shall have adequate provisions made for the on-site collection of drainage waters to eliminate sheet flow of such waters onto sidewalks, public rights-of-way and abutting private property.

17.98.150 LIGHTING

The Dark Sky Ordinance in Chapter 15 of the municipal code applies to all lighting. Artificial lighting shall be provided in all required off-street parking areas. Lighting shall be directed into the site and shall be arranged to not produce direct glare on adjacent properties. Light elements shall be shielded and shall not be visible from abutting residential properties. Lighting shall be provided in all bicycle parking areas so that all facilities are thoroughly illuminated and visible from adjacent sidewalks or vehicle parking lots during all hours of use.

17.98.160 BICYCLE PARKING FACILITIES

Multi-family developments, industrial, commercial and community service uses, transit transfer stations, and park and ride lots shall meet the following standards for bicycle parking facilities. The intent of this section is to provide secure bicycle parking that is visible from a building's primary entrance and convenient to bicyclists.

A. Location.

1. Bicycle parking shall be located on-site, convenient to primary building entrances, and have direct access to both the public right-of-way and to the main entrance of the primary structure.
2. Bicycle parking areas shall be visible from building interiors where possible.
3. For facilities with multiple buildings or parking lots, bicycle parking shall be located in areas of greatest use and convenience to bicyclists.
4. If the bicycle parking area is located within the vehicle parking area, the bicycle facilities shall be separated from vehicular maneuvering areas by curbing or other barrier to prevent damage to parked bicycles.
5. Curb cuts shall be installed to provide safe, convenient access to bicycle parking areas.

B. Bicycle Parking Space Dimensions.

1. Each required bicycle parking space shall be at least 2 ½ feet by 6 feet. If bicycle parking is covered, vertical clearance of 7 feet shall be provided.
2. An access aisle of at least 5 feet wide shall be provided and maintained beside or between each row of bicycle parking. Vertical or upright bicycle storage structures are exempted from the parking space length.

C. Security.

1. Bicycle parking facilities shall offer security in the form of either a lockable enclosure in which the bicycle can be stored or a stationary object (i.e., a "rack") upon which the bicycle can be located.
2. Racks requiring user-supplied locks shall accommodate both cable and U-shaped locks.

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- 3. Bicycle racks shall be securely anchored to the ground or a structure and shall be designed to hold bicycles securely.
 - 4. All outdoor bicycle parking facilities shall provide adequate shelter from precipitation where possible.
- D. **Signing.** Where bicycle facilities are not directly visible from the public right-of-way, primary structure entry, or civic space then directional signs shall be provided to direct bicyclists to the bicycle parking facility.
- E. **Exemptions.** Temporary uses and other uses identified in Section 17.98.20 as not requiring bicycle parking are exempt from Section 17.98.160.

17.98.170 CARPOOL AND VANPOOL PARKING

New industrial, commercial, and community service uses with more than 100 employees shall meet the following minimum requirements for carpool and vanpool parking.

- A. **Number and Marking.** At least 10 percent of the employee parking spaces shall be marked and signed for use as a carpool/vanpool space. The carpool/vanpool spaces shall be clearly marked "Reserved - Carpool/Vanpool Only".
- B. **Location.** Designated carpool/vanpool parking spaces shall be the closest employee parking spaces to the building entrance normally used by employees except for any handicapped spaces provided.

17.98.180 SCHOOL DESIGN REQUIREMENTS

A driveway designed for continuous forward flow of passenger vehicles for the purpose of loading and unloading children shall be located on the site of a school having a capacity greater than 50 students.

17.98.190 OFF-STREET LOADING FACILITIES

- A. All commercial and industrial uses that anticipate loading and unloading of products/materials shall provide an off-street area for loading/unloading of products/materials.
- B. The required loading berth shall be not less than 10 feet in width by 35 feet in length and shall have an unobstructed height clearance of 14 feet.
- C. Loading areas shall be screened from public view from public streets. The loading areas shall be screened from adjacent properties except in industrial districts and shall require the same screening as parking lots.
- D. Sufficient space for turning and maneuvering of vehicles shall be provided on the site in accordance with the standard specifications established by the City Engineer.

17.98.200 RESIDENTIAL ON-STREET PARKING REQUIREMENTS

A. Residential On-Street Parking Requirements. Residential on-street parking shall conform to the following standards:

1. In addition to required off-street parking, all new residential planned developments, subdivisions and partitions shall provide one (1) on-street parking space within 300 feet of each ~~dwelling~~ single family residence or duplex except as provided in Section 17.98.200(A)(6) below. The 300 feet shall be measured from the primary entrance of the dwelling. Accessory dwelling units, multi-family developments, and conversions of single-family homes to duplexes are exempt from this standard.
2. The location of residential on-street parking shall be reviewed for compliance with this section through submittal of a Residential Parking Analysis Plan as required in Section 17.98.10(M).
3. Residential on-street parking shall not obstruct required clear vision areas and shall not violate any local or state laws.
4. Parallel residential on-street parking spaces shall be a minimum of 22 feet in length.
5. Residential on-street parking shall be measured along the curb from the outside edge of a driveway wing or curb cut. Parking spaces shall be set back a minimum of 15 feet from the point of tangency or curvature at an intersection and may not be located within 10 feet of a fire hydrant.
6. Portions of residential on-street parking required by this section may be provided in parking courts that are interspersed throughout a development when the following standards are met:
 - a. No more than ten (10) parking spaces shall be provided in a parking court, except parking courts that utilize backing movements into the right-of-way in which case the parking court shall be limited to two (2) parking spaces;
 - b. Parking spaces within a parking court shall be nine (9) feet wide and 18 feet in depth. In no instance shall a vehicle or any appurtenances parked in a parking court protrude into the public right-of-way;
 - c. Notwithstanding Section 17.98.70, vehicles parked in a parking court on a local street as defined in the Transportation System Plan are permitted to back onto the public right-of-way from the parking court so long as the parking court is limited to two (2) parking spaces;
 - d. A parking court shall be located within 300 feet of the dwellings requiring parking in accordance with the requirements of Section 17.98.10(M);
 - e. No more than two (2) parking courts shall be provided within a block, with only one (1) parking court provided along a block face;
 - f. A parking court shall be paved in compliance with the standards of this chapter and constructed to the grading and drainage standards in 17.98.140;
 - g. A parking court adjacent to a public right-of-way, shall be privately owned and maintained;
 - h. If a parking court is adjacent to a private drive, it shall be privately owned and maintained. For any parking court there shall be a legal recorded document which includes:
 - A legal description of the parking court;
 - Ownership of the parking court;
 - Use rights; and

Commented [ES2]: As discussed via email previously, this section will require reworking to ensure it is in compliance with Division 046. The primary thing here is: ensure whatever standard applies to duplexes - at a minimum - is not more restrictive than what applies to a single-family detached dwellings.

Interpreting this standard to require one space for "each dwelling unit" would be in conflict with HB 2001, because it would require one space for single-family detached dwellings and two spaces for duplexes.

- A maintenance agreement and the allocation and/or method of determining liability for maintenance of the parking court;
- i. A parking court shall be used solely for the parking of operable passenger vehicles.

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**CHAPTER 17.100
LAND DIVISION**

17.100.00 INTENT

The intent of this chapter is to implement the Comprehensive Plan, to provide procedures, regulations, and design standards for land divisions and associated improvements and to provide for orderly and efficient land division patterns supported by a connected system of streets, fiber (broadband), water supply, sanitary sewer and stormwater drainage facilities.

The division of land is the initial step in establishing Sandy's ultimate development pattern. The framework of streets, blocks and individual lots is implemented through the land division process. Density, dimensional standards, setbacks, and building height are established in applicable zoning district regulations.

This chapter presents the review procedures, design standards and improvement requirements for land divisions. Procedures for replats and property line adjustments are also addressed in this chapter.

17.100.10 GENERAL PROVISIONS

- A. No land shall be divided prior to approval of a minor partition, major partition or subdivision in accordance with this Code.
- B. No sale or conveyance of any portion of a lot, other than for a public purpose, shall leave a structure on the remainder of a lot with less than the minimum lot, yard or setback requirements of the zoning district.
- C. Land division is processed by approval of a tentative plan prior to approval of the final land division plat or map. Where a Type II or Type III procedure is required for land division approval, that procedure shall apply to the tentative plan approval. As long as there is compliance with the approved tentative plat and conditions, the Director shall have the authority to approve final plats and maps for land divisions through a Type I procedure.

17.100.20 LAND DIVISION CLASSIFICATION - TYPE I, II OR III PROCEDURES

- A. Type I Land Division (Property Line Adjustment). Property line adjustments shall be a Type I procedure if the resulting parcels comply with standards of the Development Code and this chapter.
- B. Type I Land Division (Minor Partition). A minor partition shall be a Type I procedure if the land division does not create a street and the resulting parcels comply with the standards of the zoning district and this chapter.
- C. Type II Land Division (Major Partition or Subdivision). A major partition or subdivision shall be a Type II procedure when a street is extended, satisfactory street conditions exist and the resulting parcels/lots comply with the standards of the zoning district and this chapter. Satisfactory street conditions exist when the Director determines one of the following:
 - 1. Existing streets are stubbed to the property boundaries and are linked by the land division.

2. An existing street or a new proposed street need not continue beyond the land division in order to complete an appropriate street system or to provide access to adjacent property.
 3. The proposed street layout is consistent with a street pattern adopted as part of the Comprehensive Plan or an officially adopted City street plan.
- D. Type II Land Division (Minor Replat). A minor replat of an existing platted subdivision shall be a Type II procedure when the street(s) are existing and no extension or reconstruction/realignment is necessary, when the replat does not increase the allowable density, the resulting parcels comply with the standards of the zoning district and this chapter, and the replat involves no more than six (6) lots.
- E. Type III Land Division (Major Partition or Subdivision). A major partition or subdivision shall be a Type III procedure if unsatisfactory street conditions exist or the resulting parcels/lots do not comply with the standards of the zoning district and this chapter. The Director shall determine if unsatisfactory street conditions exist based on one of the following criteria:
1. The land division does not link streets that are stubbed to the boundaries of the property.
 2. An existing street or a new proposed street will be extended beyond the boundaries of the land division to complete a street system or provide access to adjacent property.
 3. The proposed street layout is inconsistent with a street pattern adopted as part of the Comprehensive Plan or an officially adopted City street plan.
- F. Type III Land Division (Major Replat). A major replat involves the realignment of property lines involving more than six lots, even if the subdivision does not increase the allowable density. All parcels resulting from the replat must comply with the standards of the zoning district and this chapter. Any replat involving the creation, extension or modification of a street shall be processed as a major replat.

17.100.30 PROPERTY LINE ADJUSTMENT

Approval of a property line adjustment is required to move a common boundary between two parcels or lots. A Type I property line adjustment is not considered a development action for purposes of determining whether floodplain, greenway, or right-of-way dedication or improvements are required.

- A. Application Requirements. Property line adjustment applications shall be made on forms provided by the City and shall be accompanied by:
1. Two (2) copies of the property line adjustment map;
 2. The required fee;
 3. Any data or narrative necessary to explain the application.
- B. Map Information. The property line adjustment map and narrative shall include the following:
1. The names, addresses and phone numbers of the owner(s) of the subject parcels and authorized representative;
 2. Scale of the drawing using an engineer's scale;
 3. North arrow and date;
 4. Legal description of the property;
 5. Dimensions and size of the parcels involved in the property line adjustment;
 6. Approximate locations of structures, utilities, rights-of-way and easements;

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7. Points of access, existing and proposed;
 8. Any natural features such as waterways, drainage area, significant vegetation or rock outcroppings;
 9. Approximate topography, particularly noting any area of steep slope.
- C. Approval Criteria. The Director shall approve a request for a property line adjustment if the following criteria are satisfied:
1. No additional parcels are created.
 2. All parcels meet the density requirements and dimensional standards of the base zoning district.
 3. Access, utilities, easements, and proposed future streets will not be adversely affected by the property line adjustment.
- D. Final Approval. Three paper copies of the final map shall be submitted within one year of approval of the property line adjustment. The final map shall include a boundary survey, which complies with ORS Chapters 92 and 209. The approved final map, along with required deeds, must be recorded with Clackamas County.

17.100.40 MINOR AND MAJOR PARTITIONS

Approval of a partition is required for a land division of 3 or fewer parcels in a calendar year. Partitions, which do not require creation or extension of a street for access, is classified as a Type I minor partition. Partitions, which require creation or extension of a street for access, are classified as Type II, major partitions.

- A. Preapplication Conference. The applicant for a minor or major partition shall participate in a preapplication conference with City staff to discuss procedures for approval, applicable state and local requirements, objectives and policies of the Sandy Comprehensive Plan, and the availability of services. A preapplication conference is required.
- B. Application Requirements. Partition applications shall be made on forms provided by the planning department and shall be accompanied by:
1. Eight copies of the tentative plan for the minor or major partition;
 2. The required fee;
 3. Any data or narrative necessary to explain the application;
 4. List of affected property owners.
- C. Tentative Partition Plan. The tentative plan shall be a minimum of 8 1/2 x 11 inches in size and shall include the following information:
1. The date, north point, engineering scale, and legal description;
 2. Name and address of the owner of record and of the person who prepared the partition plan;
 3. Zoning, size and dimensions of the tract to be partitioned;
 4. Size, dimensions and identification of proposed parcels (Parcel 1, Parcel 2, Parcel 3);
 5. Approximate location of any structures on the tract to be partitioned, including setbacks to proposed parcel boundaries;
 6. Location, names and widths of streets, sidewalks and bikeways within the tract to be partitioned and extending 400 feet beyond the tract boundaries;
 7. Location, width and purpose of existing and proposed easements on the tract to be partitioned;

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8. Location and size of sanitary sewer, water and stormwater drainage facilities proposed to serve the property to be partitioned;
 9. Natural features such as waterways, drainage area, significant vegetation or rock outcroppings;
 10. Approximate topography, particularly noting any area of steep slope;
 11. A plan for future parcel redivision, if the proposed parcels are large enough to be redivided under the comprehensive plan or zoning designation.
- D. Approval Criteria. The Director or Planning Commission shall review the tentative plan for a minor or major partition based on the classification procedure (Type I, II or III) and the following approval criteria:
1. The proposed partition is consistent with the density, setback and dimensional standards of the base zoning district.
 2. The proposed partition is consistent with the design standards set forth in this chapter.
 3. Adequate public facilities are available or can be provided to serve the proposed partition.
 4. All proposed improvements meet City standards.
 5. Traffic volumes shall not exceed average daily traffic (ADT) standards for local streets as detailed in Chapter 17.10, Definitions.
 6. The plan preserves the potential for future redivision of the parcels, if applicable.
- E. Conditions. The Director or Planning Commission may require dedication of land and easements and may specify such conditions or modifications of the tentative partition plan as deemed necessary. In no event, however, shall the Director or Planning Commission require greater dedications or conditions than could be required if the entire tract were subdivided.
- F. Approval of Tentative Partition Plan. When a tentative partition plan has been approved, all copies shall be marked with the date and conditions of approval. One copy shall be returned to the applicant, one copy shall be sent to the county and one copy shall be retained by the City.
- G. Approval Signatures for Final Partition Map. Following review and approval of a final partition map, the Director shall:
1. Review Plat for Accuracy. The Director may require field investigations to verify that the plat survey is accurate. The applicant shall be notified and afforded an opportunity to make corrections if needed.
 2. Sign the plat to certify that the map is approved.
 3. Notify the applicant that the partition map and accompanying documents have been approved and are ready for recording with the Clackamas County Recorder.
 4. Deliver the signed original to the applicant who shall deliver the original and two exact copies to the County Recorder's office. One recorded copy shall be returned to the City of Sandy immediately after recording is completed.
- H. Effective Date for Final Partition Map Approval. The partition shall become final upon recording of the approved partition map together with any required documents with the County Recorder. Work specifically authorized following tentative approval may take place prior to processing of the final partition map. The documents effectuating a partition shall become null and void if not recorded with the County Recorder within one year following approval.

- I. Improvements. The same improvements shall be installed to serve each parcel of a partition as required of a subdivision. Improvement standards are set forth in Section 17.90. If the Director and City Engineer find a need to vary the improvement standards for a partition, the application shall be processed through a Type III hearing and may exempt specific improvements.
- J. Exceptions to Improvements. Exceptions to improvements may be approved in transition areas or other areas as deemed appropriate by the City. In lieu of excepting an improvement, the Planning Commission may recommend to the City Council that the improvement be installed in the area under special assessment financing or other facility extension policies of the City.

17.100.50 NONRESIDENTIAL PARTITIONS OR SUBDIVISIONS

This section includes special provisions for partitions or subdivisions of land that is zoned for commercial or industrial use.

- A. Principles and Standards. In addition to the standards established for partitions or subdivisions, the applicant for a nonresidential partition or subdivision shall demonstrate that the street, parcel and block pattern proposed is adapted to uses in the vicinity. The following principles and standards shall be observed:
 - 1. Proposed commercial and industrial parcels shall be suitable in area and dimensions to the types of development anticipated.
 - 2. Street right-of-way and pavement shall be adequate to accommodate the type and volume of traffic anticipated.
 - 3. Special requirements may be imposed by the City with respect to street, curb, gutter and sidewalk design and construction.
 - 4. Special requirements may be imposed by the City with respect to the installation of public utilities, including but not limited to water, sanitary sewer, and stormwater drainage facilities.
 - 5. Efforts shall be made to protect adjacent residential areas from potential nuisance from a proposed commercial or industrial subdivision. Such efforts may include the provision of extra depth in parcels backing up on existing or potential residential development and landscaped buffers.
 - 6. Streets carrying nonresidential traffic, particularly truck traffic, should not normally be extended through adjacent residential areas.
 - 7. Traffic volumes shall not exceed average daily traffic (ADT) standards for local streets as detailed in Chapter 17.10, Definitions.

17.100.60 SUBDIVISIONS

Approval of a subdivision is required for a land division of 4 or more parcels in a calendar year. A two-step procedure is required for subdivision approval: (1) tentative plat review and approval; and (2) final plat review and approval.

- A. Preapplication Conference. The applicant for a subdivision shall participate in a preapplication conference with City staff to discuss procedures for approval, applicable state and local requirements, objectives and policies of the Sandy Comprehensive Plan, and the availability of services. The preapplication conference provides the opportunity to discuss the

conceptual development of the property in advance of formal submission of the tentative plan in order to save the applicant unnecessary delay and cost.

- B. Application Requirements for a Tentative Plat. Subdivision applications shall be made on forms provided by the planning department and shall be accompanied by:
1. 20 copies of the tentative plat;
 2. Required fee and technical service deposit;
 3. 20 copies of all other supplementary material as may be required to indicate the general program and objectives of the subdivision;
 4. Preliminary title search;
 5. List of affected property owners.
- C. Format. The Tentative Plat shall be drawn on a sheet 18 x 24 inches in size and at a scale of one inch equals one hundred feet unless an alternative format is approved by the Director at the preapplication conference. The application shall include one copy of a scaled drawing of the proposed subdivision, on a sheet 8 1/2 x 11, suitable for reproduction.
- D. Data Requirements for Tentative Plat.
1. Scale of drawing, north arrow, and date.
 2. Location of the subdivision by section, township and range, and a legal description sufficient to define the location and boundaries of the proposed tract.
 3. A vicinity map, showing adjacent property boundaries and how proposed streets may be extended to connect to existing streets.
 4. Names, addresses, and telephone numbers of the owner(s) of the property, the engineer or surveyor, and the date of the survey.
 5. Streets: location, names, paved widths, alleys, and right-of-way (existing and proposed) on and within 400 feet of the boundaries of the subdivision tract.
 6. Easements: location, widths, purpose of all easements (existing and proposed) on or serving the tract.
 7. Utilities: location of stormwater drainage, sanitary sewers and water lines (existing and proposed) on and abutting the tract. If utilities are not on or abutting the tract, indicate the direction and distance to the nearest locations.
 8. Ground elevations shown by contour lines at two-foot vertical intervals for ground slopes of less than 10 percent and at ten-foot vertical intervals for ground slopes exceeding 10 percent. Ground elevation shall be related to an established benchmark or other datum approved by the Director.
 9. Natural features such as marshes, rock outcroppings, watercourses on and abutting the property, and location of wooded areas.
 10. Approximate location of areas subject to periodic inundation or storm sewer overflow, location of any floodplain or flood hazard district.
 11. Location, width, and direction of flow of all water courses.
 12. Identification of the top of bank and boundary of mandatory setback for any stream or water course.
 13. Identification of any associated wetland and boundary of mandatory setback.
 14. Identification of any wetland and boundary of mandatory setback.
 15. Location of at least one temporary bench mark within the tract boundaries.
 16. Existing uses of the property, including location and present use of all existing structures to remain on the property after platting.
 17. Lots and Blocks: approximate dimensions of all lots, minimum lot sizes, and proposed lot and block numbers.

18. Existing zoning and proposed land use.
 19. Designation of land intended to be dedicated or reserved for public use, with the purpose, conditions, or limitations of such reservations clearly indicated.
 20. Proposed development phases, if applicable.
 21. Any other information determined necessary by the Director such as a soil report or other engineering study, traffic analysis, floodplain or wetland delineation, etc.
- E. Approval Criteria. The Director or Planning Commission shall review the tentative plat for the subdivision based on the classification procedure (Type II or III) set forth in Chapter 17.12 and the following approval criteria:
1. The proposed subdivision is consistent with the density, setback and dimensional standards of the base zoning district, unless modified by a Planned Development approval.
 2. The proposed subdivision is consistent with the design standards set forth in this chapter.
 3. The proposed street pattern is connected and consistent with the Comprehensive Plan or official street plan for the City of Sandy.
 4. Traffic volumes shall not exceed average daily traffic (ADT) standards for local streets as detailed in Chapter 17.10, Definitions.
 5. Adequate public facilities are available or can be provided to serve the proposed subdivision.
 6. All proposed improvements meet City standards.
 7. The phasing plan, if requested, can be carried out in a manner that meets the objectives of the above criteria and provides necessary public improvements for each phase as it develops.
- F. Conditions. The Director or Planning Commission may require dedication of land and easements, and may specify such conditions or modifications of the tentative plat as deemed necessary.
- G. Improvements. A detailed list of required improvements for the subdivision shall be set forth in the approval and conditions for the tentative plat.
- H. Tentative Plat Expiration Date. The final plat shall be delivered to the Director for approval within two (2) years following approval of the tentative plat, and shall incorporate any modification or condition required by approval of the tentative plat. The Director may, upon written request, grant an extension of the tentative plat approval for up to one (1) additional year. The one year extension by the Director is the maximum extension that may be granted for a subdivision.
- I. Submission of Final Plat. The applicant shall survey the subdivision and prepare a final plat in conformance with the tentative plat approval and the requirements of ORS Chapter 92.
- J. Information on Plat. In addition to information required for the tentative plat or otherwise specified by state law, the following information shall be shown on the final plat for the subdivision:
1. Tract boundary lines, right-of-way lines of streets and property lines with dimensions, bearings or deflection angles and radii, arcs, points of curvature and tangent bearings. All bearings and angles shall be shown to the nearest one-second and all dimensions to the nearest 0.01 foot. If circular curves are proposed in the plat, the following data must be

shown in table form: curve radius, central angles, arc length, and bearing of long chord. All information shown on the face of the plat shall be mathematically perfect.

2. Easements denoted by fine dotted lines, clearly identified and, if already of record, their recorded references. If an easement is not definitely located of record, a statement of the easement shall be given. The width of the easement, its length and bearing, and sufficient ties to locate the easement with respect to the subdivision shall be shown. If the easement is being dedicated by the plat, it shall be properly referenced in the owner's certificates of dedication.
 3. Any building setback lines if more restrictive than the City zoning ordinance.
 4. Location and purpose for which sites, other than residential lots, are dedicated or reserved.
 5. Easements and any other areas for public use dedicated without any reservation or restriction.
 6. A copy of any deed restrictions written on the face of the plat or prepared to record with the plat with reference on the face of the plat.
 7. The following certificates that may be combined where appropriate:
 - a) A certificate signed and acknowledged by all parties having any recorded title interest in the land, consenting to the preparation and recording of the plat.
 - b) A certificate signed and acknowledged as above, dedicating all land intended for public use except land that is intended for the exclusive use of the lot owners in the subdivision, their licensees, visitors, tenants and servants.
 - c) A certificate with the seal of and signed by the engineer or the surveyor responsible for the survey and final plat.
 - d) Other certificates now or hereafter required by law.
 8. Supplemental Information with Plat. The following data shall accompany the final plat:
 - a) A preliminary title report issued by a title insurance company in the name of the owner of the land, showing all parties whose consent is necessary and their interest in the tract.
 - b) Sheets and drawings showing the following:
 - 1) Traverse data including the coordinates of the boundary of the subdivision and ties to section corners and donation land claim corners, and showing the error of closure, if any.
 - 2) The computation of distances, angles and courses shown on the plat.
 - 3) Ties to existing monuments, proposed monuments, adjacent subdivisions, street corners and state highway stationing.
 - c) A copy of any deed restrictions applicable to the subdivision.
 - d) A copy of any dedication requiring separate documents.
 - e) A list of all taxes and assessments on the tract which have become a lien on the tract.
 - f) A certificate by the engineer that the subdivider has complied with the improvement requirements.
 9. Certification by the City Engineer or by the owner of a privately owned domestic water supply system, that water will be available to the property line of each and every lot depicted in the final plat.
- K. Technical Plat Review. Upon receipt by the City, the plat and supplemental information shall be reviewed by the City Engineer and Director through a Type I procedure. The review shall focus on conformance of the final plat with the approved tentative plat, conditions of approval and provisions of city, county or state law applicable to subdivisions.

1. The City Engineer may make field checks as needed to verify that the final plat is sufficiently correct on the ground, and City representatives may enter the subdivision property for this purpose.
 2. If the City Engineer or Director determines that full conformance has not been made, they shall advise the subdivider of the changes or additions that must be made and shall afford the subdivider an opportunity to make the changes or additions.
 3. All costs associated with the technical plat review and recording shall be the responsibility of the applicant.
- L. Approval of Final Plat. The signatures of the Director and the City Engineer shall indicate approval of the final plat. After the plat has been approved by all city and county officials, a digital copy of the plat and a digital copy of any recorded documents shall be delivered to the Director within 20 working days of recording.
- M. Recording of Final Plat. Approval of the plat by the City shall be conditioned on its prompt recording. The subdivider shall, without delay, submit the plat to the county assessor and the county governing body for signatures as required by ORS 92.100. The plat shall be prepared as provided by ORS 92.080. Approval of the final plat shall be null and void if the plat is not submitted for recording within 30 days after the date the last required approving signature has been obtained.

17.100.70 LAND DIVISION DESIGN STANDARDS

All land divisions shall be in conformance with the requirements of the applicable base zoning district and this chapter, as well as with other applicable provisions of this Code. Modifications to these requirements may be accomplished through a Planned Development. The design standards in this section shall be used in conjunction with street design standards included in the City of Sandy Transportation System Plan and standards and construction specifications for public improvements as set forth in adopted Public Facilities Plans and the Sandy Municipal Code.

17.100.80 CHARACTER OF THE LAND

Land which the Director or the Planning Commission finds to be unsuitable for development due to flooding, improper drainage, steep slopes, rock formations, adverse earth formations or topography, utility easements, or other features which will reasonably be harmful to the safety, health, and general welfare of the present or future inhabitants of the partition or subdivision and the surrounding areas, shall not be developed unless adequate methods are formulated by the subdivider and approved by the Director or the Planning Commission to solve the problems created by the unsuitable land conditions.

17.100.90 ACCESS CONTROL GUIDELINES AND COORDINATION

- A. Notice and coordination with ODOT required. The city will coordinate and notify ODOT regarding all proposals for new or modified public and private accesses on to Highways 26 and 211.
- B. It is the city policy to, over time, reduce noncompliance with the Oregon Highway Plan Access Management Policy guidelines.

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- C. Reduction of compliance with the cited State standards means that all reasonable alternatives to reduce the number of accesses and avoid new non-complying accesses will be explored during the development review. The methods to be explored include, but are not limited to: closure, relocation, and consolidation of access; right-in/right-out driveways; crossover easements; and use of local streets, alleys, and frontage roads.

17.100.100 STREETS GENERALLY

No subdivision or partition shall be approved unless the development has frontage or approved access to an existing public street. In addition, all streets shall be graded and improved in conformance with the City's construction standards, approved by the City Engineer, in accordance with the construction plans.

- A. Street Connectivity Principle. The pattern of streets established through land divisions should be connected to: (a) provide safe and convenient options for cars, bikes and pedestrians; (b) create a logical, recognizable pattern of circulation; and (c) spread traffic over many streets so that key streets (particularly U.S. 26) are not overburdened.
- B. Transportation Impact Studies. An applicant is required to prepare and submit a transportation impact study in accordance with the standards of Chapter 17.84 unless those standards exempt the application from the requirement.:
 - 1.
- C. Topography and Arrangement. All streets shall be properly related to special traffic generators such as industries, business districts, schools, and shopping centers and to the pattern of existing and proposed land uses.
- D. Street Spacing. Street layout shall generally use a rectangular grid pattern with modifications as appropriate to adapt to topography or natural conditions.
- E. Future Street Plan. Future street plans are conceptual plans, street extensions and connections on acreage adjacent to land divisions. They assure access for future development and promote a logical, connected pattern of streets. It is in the interest of the city to promote a logical, connected pattern of streets. All applications for land divisions shall provide a future street plan that shows the pattern of existing and proposed future streets within the boundaries of the proposed land divisions, proposed connections to abutting properties, and extension of streets to adjacent parcels within a 400 foot radius of the study area where development may practically occur.
- F. Connections. Except as permitted under Exemptions, all streets, alleys and pedestrian walkways shall connect to other streets within the development and to existing and planned streets outside the development and to undeveloped properties that have no future street plan. Streets shall terminate at other streets or at parks, schools or other public land within a neighborhood.

Local streets shall align and connect with other roads when crossing collectors and arterials per the criteria in Section 17.84.50K(5)(e).

Proposed streets or street extensions shall be located to provide direct access to existing or planned transit stops, and existing or planned neighborhood activity centers, such as schools, shopping areas and parks.

G. Exemptions.

1. A future street plan is not required for partitions of residentially zoned land when none of the parcels may be redivided under existing minimum density standards.
2. Standards for street connections do not apply to freeways and other highways with full access control.
3. When street connection standards are inconsistent with an adopted street spacing standard for arterials or collectors, a right turn in/right turn out only design including median control may be approved. Where compliance with the standards would result in unacceptable sight distances, an accessway may be approved in place of a street connection.

17.100.110 STREET STANDARDS AND CLASSIFICATION

Street standards are illustrated in the figures included at the end of this chapter. Functional definitions of each street type are described in the Transportation System Plan as summarized below.

- A. Major arterials are designed to carry high volumes of through traffic, mixed with some unavoidable local traffic, through or around the city. Major arterials should generally be spaced at 1-mile intervals.
- B. Minor arterials are designed to collect and distribute traffic from major and minor arterials to neighborhood collectors and local streets, or directly to traffic destinations. Minor arterials should generally be spaced at 1-mile intervals.
- C. Residential minor arterials are a hybrid between minor arterial and collector type streets that allow for moderate to high traffic volumes on streets where over 90% of the fronting lots are residential.
- D. Collector streets are designed to collect and distribute traffic from higher type arterial streets to local streets or directly to traffic destinations. Collector streets should generally be spaced at 1/2-mile intervals.
- E. Local streets provide direct access to abutting property and connect to collector streets. Local streets shall be spaced no less than 8 and no more than 10 streets per mile, except as the city may otherwise approve through an adjustment or variance pursuant to Chapter 17.66. Local streets shall not exceed the ADT standards set forth in Chapter 17.10, except that the ADT standard for local streets shall not apply to outright permitted development within the C-1 zone.
- F. Cul-de-sacs and dead end streets are discouraged. If deemed necessary, cul-de-sacs shall be as short as possible and shall not exceed 400 feet in length.
- G. Public access lanes are designed to provide primary access to a limited number of dwellings when the construction of a local street is unnecessary.

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- H. Alleys are designed to provide access to multiple dwellings in areas where lot frontages are narrow and driveway spacing requirements cannot be met.

17.100.120 BLOCKS AND ACCESSWAYS

- A. Blocks. Blocks shall have sufficient width to provide for two tiers of lots at appropriate depths. However, exceptions to the block width shall be allowed for blocks that are adjacent to arterial streets or natural features.
- B. Residential Blocks. Blocks fronting local streets shall not exceed 400 feet in length, unless topographic, natural resource, or other similar physical conditions justify longer blocks. Blocks may exceed 400 feet if approved as part of a Planned Development, Specific Area Plan, adjustment or variance.
- C. Commercial Blocks. Blocks located in commercial districts shall not exceed 400 feet in length.
- D. Pedestrian and Bicycle Access Way Requirements. In any block in a residential or commercial district over 600 feet in length, a pedestrian and bicycle accessway with a minimum improved surface of 10 feet within a 15-foot right-of-way or tract shall be provided through the middle of the block. To enhance public convenience and mobility, such accessways may be required to connect to cul-de-sacs, or between streets and other public or semipublic lands or through greenway systems.

17.100.130 EASEMENTS

A minimum eight (8) foot public utility easement shall be required along property lines abutting a right-of-way for all lots within a partition or subdivision. Where a partition or subdivision is traversed by a watercourse, drainage way, channel or stream, the land division shall provide a stormwater easement or drainage right-of-way conforming substantially with the lines of such watercourse, and such further width as determined needed for water quality and quantity protection.

17.100.140 PUBLIC ALLEYS

- A. Public alleys shall have a minimum width of 20 feet. Structural section and surfacing shall conform to standards set by the City Engineer.
- B. Existing alleys may remain unimproved until redevelopment occurs. When development occurs, each abutting lot shall be responsible for completion of improvements to that portion of the alley abutting the property.
- C. Parking within the alley right-of-way is prohibited except as provided in Section 17.100.140(D) below.
- D. An alley with a minimum width of 28 feet may permit parallel parking on one side of the alley only.

17.100.150 RESIDENTIAL SHARED PRIVATE DRIVES

A shared private drive is intended to provide access to a maximum of ~~two-four (42) dwelling units~~ required off-street parking spaces on a maximum of two legal lots of record.

A. Criteria for Approval

Shared private drives may be approved by the Director when one or more of the following conditions exist:

1. Direct access to a local street is not possible due to physical aspects of the site including size, shape, or natural features.
2. The construction of a local street is determined to be unnecessary.

B. Design

1. A shared private drive constructed to city standards shall not serve more than ~~two-four (42) dwelling units~~ required off-street parking spaces on a maximum of two legal lots of record.
2. A shared access easement and maintenance agreement shall be established between the ~~two units~~ lots served by a shared private drive. The language of the easement and maintenance agreement shall be subject to approval by the Director. Such easements shall be recorded in the Deed Records of Clackamas County.
3. Public utility easements shall be provided where necessary in accordance with Section 17.100.130.
4. Shared private drives shall be fully improved with an all weather surface (e.g. concrete, asphalt, permeable pavers) in conformance with city standards. The pavement width shall be 20 feet.
5. Parking shall not be permitted along shared private drives at any time and shall be signed and identified accordingly.

17.100.160 PUBLIC ACCESS LANES

Public access lanes are designed to provide primary access to a limited number of dwellings where the construction of a local street is not necessary. Public access lanes are intended to serve a maximum of six (6) dwelling units.

A. Criteria for Approval

Public access lanes may be approved by the Director when certain conditions exist which make the construction of a standard local street unnecessary. Approval of public access lanes shall be based on one or more of the following:

1. Physical conditions such as natural features, unusual lot size, shape, or other unique features prevent the construction of a local street.
2. It is determined that construction of a local street is not necessary to facilitate orderly development of a future street system.
3. It is determined that there are no logical extensions of an existing local street to serve the site.

B. General Provisions

1. A public access lane may serve a maximum of six (6) dwelling units.
2. Public access lanes are subject to spacing requirements of Section 17.100.120.
3. Public utility easements shall be provided where necessary in accordance with Section 17.100.130.

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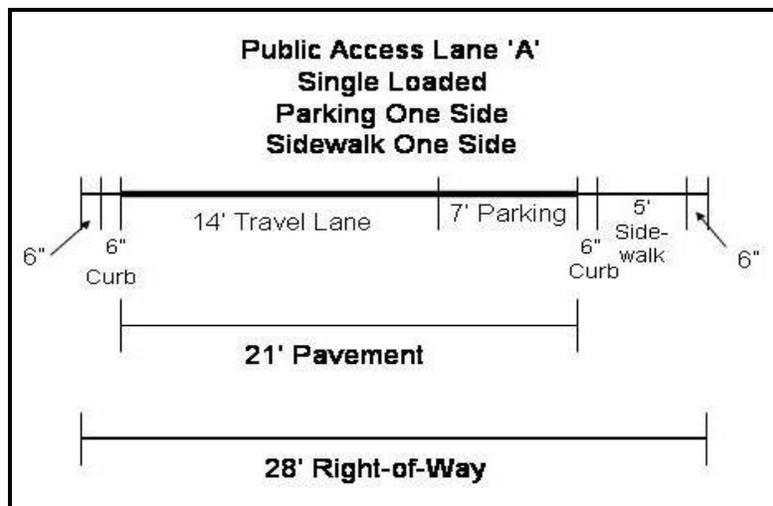
4. If a public access lane is designed as a dead end, a turnaround shall be provided at the point where the lane terminates. The design of the turnaround shall be subject to approval by the Director and the Fire Department.
5. Parking shall be prohibited in public access lane turnarounds.
6. Street lighting may be required in public access lanes for traffic and pedestrian safety.

C. Public Access Lane Design

1. Public Access Lane 'A' (Figure 17.100 - A)

- a) Public access lane 'A' is designed to be single loaded and provide access to lots located on one side of the lane only.
- b) Public access lanes shall be constructed to city standards and must meet the required dimensions as specified in this section.
- c) Curbside sidewalks on the side of the lane which abuts lot frontage are along public access lanes to achieve specified dimensions.
- d) Planter strips are not required along public access lanes due to the minimal lots served. Lots abutting a public access lane are required to have street trees planted in accordance with Section 17.100.290.
- e) Parking is permitted on one side of a public access lane 'A' as shown in Figure 17.100 - A. Parking shall be permitted on the side of the lane that abuts lot frontages only. Signage shall be displayed to indicate the parking regulations along the lane and in the turnaround.

Figure 17.100 – A: Public Access Lane 'A'

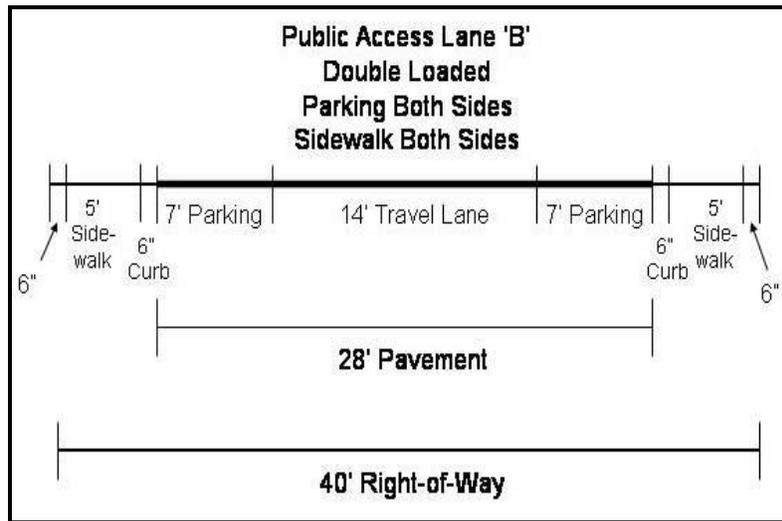


2. Public Access Lane Option 'B' (Figure 17.100 - B).

- a) Public access lane 'B' is designed to be double loaded and provide access to lots located on both sides of the lane.
- b) Public access lanes shall be constructed to city standards and must meet the required dimensions as specified in this section.

- c) Curbside sidewalks are required along both sides of the access lane to achieve specified dimensions.
- d) Planter strips are not required along public access lanes due to the minimal lots served. Lots abutting a public access lane are required to have street trees planted in accordance with Section 17.100.290.
- e) Parking is permitted on both sides of a public access lane 'B' as shown in Figure 17.100 - B. Signage shall be displayed to indicate the parking regulations along the lane and in the turnaround.

Figure 17.100 – B: Public Access Lane 'B'



17.100.170 FLAG LOTS

Flag lots can be created where it can be shown that no other street access is possible to achieve the requested land division. The flag lot shall have a minimum street frontage of 15 feet for its accessway. The following dimensional requirements shall apply to flag lots:

- A. Setbacks applicable to the underlying zoning district shall apply to the flag lot.
- B. The access strip (pole) may not be counted toward the lot size requirements.
- C. The accessway shall have a minimum paved width of 10 feet.

17.100.180 INTERSECTIONS

- A. Intersections. Streets shall be laid out so as to intersect as nearly as possible at right angles. A proposed intersection of two new streets at an angle of less than 75 degrees shall not be acceptable. No more than two streets shall intersect at any one point unless specifically approved by the City Engineer. The city engineer may require left turn lanes, signals, special

crosswalks, curb extensions and other intersection design elements justified by a traffic study or necessary to comply with the Development Code.

- B. Curve Radius. All local and neighborhood collector streets shall have a minimum curve radius (at intersections of rights-of-way) of 20 feet, unless otherwise approved by the City Engineer. When a local or neighborhood collector enters on to a collector or arterial street, the curve radius shall be a minimum of 30 feet, unless otherwise approved by the City Engineer.

17.100.190 STREET AND TRAFFIC CONTROL SIGNS

The City Engineer shall specify the type and location of traffic control signs, street signs and/or traffic safety devices.

17.100.200 STREET SURFACING

Public streets, including alleys, within the development shall be improved in accordance with the requirements of the City or the Oregon Standard Specifications. All streets shall be paved with asphaltic concrete or Portland cement concrete surfacing. Where required, speed humps shall be constructed in conformance with the City's standards and specifications.

17.100.210 STREET LIGHTING

A complete lighting system (including, but not limited to: conduits, wiring, bases, poles, arms, and fixtures) shall be the financial responsibility of the subdivider on all cul-de-sacs, local streets, and neighborhood collector streets. The subdivider will be responsible for providing the arterial street lighting system in those cases where the subdivider is required to improve or fronts on an arterial street. Standards and specifications for street lighting shall conform to IESNA roadway illumination standards and the City's streetlighting guidelines

17.100.220 LOT DESIGN

- A. The lot arrangement shall be such that there will be no foreseeable difficulties, for reason of topography or other conditions, in securing building permits to build on all lots in compliance with the Development Code.
- B. The lot dimensions shall comply with the minimum standards of the Development Code. When lots are more than double the minimum lot size required for the zoning district, the subdivider may be required to arrange such lots to allow further subdivision and the opening of future streets to serve such potential lots.
- C. The lot or parcel width at the front building line shall meet the requirements of the Development Code and shall abut a public street other than an alley for a width of at least 20 feet. A street frontage of not less than 15 feet is acceptable in the case of a flag lot division resulting from the division of an unusually deep land parcel that is of a size to warrant division into not more than two parcels.
- D. Double frontage lots shall be avoided except where necessary to provide separation of residential developments from arterial streets or to overcome specific disadvantages of topography or orientation.

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- E. Lots shall not take access from major arterials, minor arterials or collector streets if access to a local street exists. When driveway access from major or minor arterials may be necessary for several adjoining lots, the Director or the Planning Commission may require that such lots be served by a common access drive in order to limit traffic conflicts on such streets. Where possible, driveways shall be designed and arranged to avoid requiring vehicles to back into traffic on minor or major arterials.

17.100.230 WATER FACILITIES

Water lines and fire hydrants serving the subdivision or partition, and connecting the development to City mains, shall be installed to provide adequate water pressure to serve present and future consumer demand. The materials, sizes, and locations of water mains, valves, service laterals, meter boxes and other required appurtenances shall be in accordance with American Water Works Association and the Oregon Standard Specifications standards of the Fire District, the City, and the Oregon Health Authority Drinking Water Services section.

If the City requires the subdivider to install water lines in excess of eight inches, the City may participate in the oversizing costs. Any oversizing agreements shall be approved by the City manager based upon council policy and dependent on budget constraints. If required water mains will directly serve property outside the subdivision, the City may enter into an agreement with the subdivider setting forth methods for reimbursement for the proportionate share of the cost.

17.100.240 SANITARY SEWERS

Sanitary sewers shall be installed to serve the subdivision and to connect the subdivision to existing mains. Design of sanitary sewers shall take into account the capacity and grade to allow for desirable extension beyond the subdivision.

If required sewer facilities will directly serve property outside the subdivision, the City may enter into an agreement with the subdivider setting forth methods for reimbursement by nonparticipating landowners for the proportionate share of the cost of construction.

17.100.250 SURFACE DRAINAGE AND STORM SEWER SYSTEM

- A. Drainage facilities shall be provided within the subdivision and to connect with off-site drainage ways or storm sewers. Capacity, grade and materials shall be by a design approved by the city engineer. Design of drainage within the subdivision shall take into account the location, capacity and grade necessary to maintain unrestricted flow from areas draining through the subdivision and to allow extension of the system to serve such areas.
- B. In addition to normal drainage design and construction, provisions shall be taken to handle any drainage from preexisting subsurface drain tile. It shall be the design engineer's duty to investigate the location of drain tile and its relation to public improvements and building construction.
- C. The roof and site drainage from each lot shall be discharged to either curb face outlets (if minor quantity), to a public storm drain or to a natural acceptable drainage way if adjacent to the lot.

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17.100.260 UNDERGROUND UTILITIES

All subdivisions or major partitions shall be required to install underground utilities (including, but not limited to, electrical, fiber, cable, and telephone wiring). The utilities shall be installed pursuant to the requirements of the utility company.

17.100.270 SIDEWALKS

Sidewalks shall be installed on both sides of a public street and in any special pedestrian way within the subdivision.

17.100.280 BICYCLE ROUTES

If appropriate to the extension of a system of bicycle routes, existing or planned, the Director or the Planning Commission may require the installation of bicycle lanes within streets. Separate bicycle access ways may be required to reduce walking or cycling distance when no feasible street connection is available.

17.100.290 STREET TREES

Where planting strips are provided in the public right-of-way, a master street tree plan shall be submitted and approved by the Director. The street tree plan shall provide street trees approximately every 30' on center for all lots.

17.100.300 EROSION CONTROL

Grass seed planting shall take place prior to September 30th on all lots upon which a dwelling has not been started but the ground cover has been disturbed. The seeds shall be of an annual rye grass variety and shall be sown at not less than four pounds to each 1000 square feet of land area.

17.100.310 REQUIRED IMPROVEMENTS

The following improvements shall be installed at no expense to the City, consistent with the standards of Chapter 17.84, except as otherwise provided in relation to oversizing.

- A. Lot, street and perimeter monumentation
- B. Mailbox delivery units
- C. Sanitary sewers
- D. Stormwater drainage facilities
- E. Sidewalks
- F. Street lights
- G. Street name signs
- H. Street trees
- I. Streets
- J. Traffic control devices and signs
- K. Underground communication lines, including broadband (fiber), telephone, and cable.
Franchise agreements will dictate whether telephone and cable lines are required.
- L. Underground power lines
- M. Water distribution lines and fire hydrants
- N. Fiber (broadband)

17.100.320 IMPROVEMENT PROCEDURES

Improvements installed by a land divider either as a requirement of these regulations or at their own option shall conform to the standards of Chapter 17.84 and improvement standards and specifications adopted by the City. Improvements shall be installed in accordance with the following general procedure:

- A. Improvement work shall not start until plans have been checked for adequacy and approved by the City Engineer. To the extent necessary for evaluation of the proposal, improvement plans may be required before approval of the tentative plan of a partition or subdivision.
- B. Improvement work shall not start until after the City is notified. If work is discontinued for any reason it shall not resume until the City is notified.
- C. Improvements shall be constructed under the inspection and to the satisfaction of the City Engineer.
- D. All improvements installed by the subdivider shall be guaranteed for a period of one (1) year following acceptance by the City Engineer. Such guarantee shall be secured by cash deposit in the amount of the value of the improvements as set by the City Engineer. Subdividers may elect to provide a subdivision maintenance bond equal to ten (10) percent of the value of the public improvements for a period of two (2) years following acceptance by the City.
- E. As-constructed plans in both digital and hard copy formats shall be filed with the City Engineer upon completion of the improvements.

17.100.330 OPTIONS FOR IMPROVEMENTS

Before the signature of the City Engineer is obtained on the final partition or subdivision plat, the applicant shall install the required improvements, agree to install required improvements, or have gained approval to form an improvement district for installation of the improvements required with the tentative plat approval. These procedures are more fully described as follows:

- A. Install Improvements. The applicant may install the required improvements for the subdivision prior to recording the final subdivision plat. If this procedure is to be used, the subdivision plat shall contain all the required certifications except the County Surveyor. The City shall keep the subdivision plat until the improvements have been completed and approved by the City Engineer. Upon City Engineer's approval, the City shall forward the final subdivision plat for certification by the County Surveyor and then to the County Clerk for recording; or
- B. Agree to Install Improvement. The applicant may execute and file with the City an agreement specifying the period within which required improvements shall be completed. The agreement shall state that if the work is not completed within the period specified, the City may complete the work and recover the full cost and expense from the applicant. A performance bond equal to 110 percent of the value of the guaranteed improvements shall be required. Performance bonds shall be issued by a surety registered to do business in Oregon. The value of the guaranteed improvements may include engineering, construction management, legal and other related expenses necessary to complete the work. The

agreement may provide for the construction of the improvements in increments and for an extension of time under specified conditions; or

- C. Form Improvement District. The applicant may have all or part of the public improvements constructed under an improvement district procedure. Under this procedure the applicant shall enter into an agreement with the City proposing establishment of the district for improvements to be constructed, setting forth a schedule for installing improvements, and specifying the extent of the plat to be improved. The City reserves the right under the improvement district procedure to limit the extent of improvements in a subdivision during a construction year and may limit the area of the final subdivision plat to the area to be improved. The performance bond described in section B above shall be required under the improvement district procedure. The formation of a Local Improvement District (LID) is entirely within the discretion of the City.

17.100.340 PERFORMANCE GUARANTEE

If the applicant chooses to utilize the opportunities provided under "A" or "B" above, the applicant shall provide a performance guarantee equal to 110 percent of the cost of the improvements to assure full and faithful performance thereof, in one of the following forms:

- A. A surety bond executed by a surety company authorized to transact business in the State of Oregon in a form approved by the City Attorney.
- B. In lieu of the surety bond, the applicant may:
1. Deposit with the City cash money to be released only upon authorization of the City Engineer;
 2. Supply certification by a bank or other reputable lending institution that an irrevocable letter of credit in compliance with the International Chamber of Commerce Uniform Customs and Practice for Documentary Credits, UCP 600 or most current revision, has been established to cover the cost of required improvements, to be released only upon authorization of the City Engineer. The amount of the letter of credit shall equal 110% of the value of the improvements to be guaranteed; or
 3. Provide bonds in a form approved by the City Attorney.
- C. Such assurance of full and faithful performance shall be for a sum determined by the City Engineer as sufficient to cover the cost of required improvements, including related engineering and incidental expenses.
- D. If the applicant fails to carry out provisions of the agreement and the City has expenses resulting from such failure, the City shall call on the performance guarantee for reimbursement. If the amount of the performance guarantee exceeds the expense incurred, the remainder shall be released. If the amount of the performance guarantee is less than the expense incurred, the applicant shall be liable to the City for the difference.

House Bill 2001: More Housing Choices for Oregonians

In 2019, the Oregon Legislature passed House Bill 2001, a bipartisan bill to help provide Oregonians with **more housing choices**, especially housing choices **more people can afford**.

The new law lets people build certain traditional housing types that already exist in most cities, instead of being limited to a single housing type.

House Bill 2001 requires updates of local rules that have limited what sorts of housing people could build. These limitations have led to increased housing costs.

The Need for More Diverse, Affordable Choices

People need a variety of housing choices. Today, too many Oregonians are paying too much for the housing they have and are limited to renting or buying detached single-unit homes. Meanwhile, the composition of Oregon households is shifting; more than a quarter of households today are a single person living alone.

At different times in their lives, we have different needs. Imagine what sort of housing a young adult might want or be able to afford, or think of the needs of a retired person.

The Bill: Traditional Housing Types Allowed in Most Neighborhoods Soon

Under the bill, by June 30, 2021, Oregon's medium-sized cities must allow Oregonians to build duplexes in areas zoned for single-family dwellings. Most cities already allowed duplexes in certain circumstances.

By June 30, 2022, cities in the Portland Metro region and Oregon's other largest dozen cities (those over 25,000 population), must allow people to build duplexes, triplexes, fourplexes, cottage clusters, and townhouses in residential areas.

These houses can be more affordable and meet the housing needs of many younger people, older people, and people who work hard but can't afford a large detached house of their own.

The bill also provided \$3.5 million for technical assistance to cities, and has other details. Read the bill for details: olis.leg.state.or.us/liz/2019R1/Downloads/MeasureDocument/HB2001/Enrolled

Siting and Design Flexibility; Transformation Expected to be Gradual

While the bill re-legalizes certain housing types, the bill is about choices. People can still build detached single-family homes. We expect most homes in residential areas to be built as such.

Cities can set reasonable siting and design requirements on the houses, including making sure there is adequate infrastructure. The bill directs the Department of Land Conservation and Development (DLCD) to help cities figure this out.

While the law allows traditional housing types, DLCD expects the transformation of housing choices to be gradual. Cities have allowed some of these types in certain areas. Not many have been built. Local knowledge of how to build these housing types will grow over time. The building of them will depend on local housing markets.

Learn More and Sign Up to Stay Informed

www.oregon.gov/lcd/UP/Pages/Housing-Choices.aspx

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Before being outlawed, non-single-unit homes have long been built in our cities; this is a Salem triplex.





KEY ELEMENTS OF HOUSE BILL 2001 (Middle Housing)

Updated Nov. 6, 2019

House Bill 2001 (HB 2001) provides \$3.5 million to DLCD for technical assistance to local governments to:

- 1) assist local governments with the development of regulations to allow duplexes and/or middle housing, as specified in the bill, and/or
- 2) assist local governments with the development of plans to improve water, sewer, storm drainage and transportation services in areas where duplexes and other middle housing types would not be feasible due to service constraints.

DLCD Required Rulemaking: Who is affected:	Middle Housing Requirements		Infrastructure Deficiency Process
	Medium Cities	Large Cities	Medium & Large Cities
Significant dates:	DLCD Rules and model code adoption December 31, 2020	DLCD Rules and model code adoption December 31, 2020	DLCD Rules adoption [no date specified in bill] Target: July 2020
Local Government Deadlines:	Local Government Adoption of model code or alternative June 30, 2021	Local Government Adoption of model code or alternative June 30, 2022	Medium Cities Extension Requests due by December 31, 2020 Large Cities Extension Requests due by June 30, 2021
Effect of missed deadline:	Model code applies directly	Model code applies directly	No extension granted

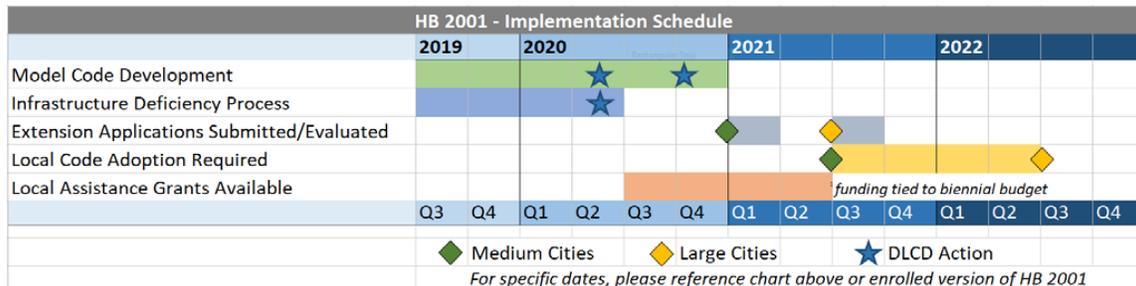
Medium Cities

All Oregon cities outside the Portland Metro boundary with a population between 10,000 and 25,000.	
Middle Housing Requirement	Duplexes to be allowed “on each lot or parcel zoned for residential use that allows for the development of detached single family dwellings.”

Large Cities

All Oregon cities with a population of more than 25,000, unincorporated areas within the Portland Metro boundary that are served by sufficient urban services, and all cities within the Portland Metro boundary with a population of more than 1,000.	
Middle Housing Requirement	Duplexes (as above) AND triplexes, quadplexes, cottage clusters, and townhouses “in areas zoned for residential use that allow for the development of detached single family dwellings.”

Flexibility *Medium and Large Cities “may regulate siting and design of middle housing required to be permitted under this section, provided that the regulations do not, individually or cumulatively, discourage the development of all middle housing types permitted in the area through unreasonable cost or delay.”*



Other Provisions in HB 2001

- ✓ A local government may request an extension of time to adopt the required regulations based on an application identifying an infrastructure constraint (water, sewer, storm drainage, or transportation) to accommodating middle housing development, along with a plan of actions to remedy the deficiencies in those services.
- ✓ The applications for time extensions based on infrastructure deficiency will be reviewed by DLCD and approved or denied.
- ✓ Housing Needs Analyses, in conjunction with a UGB decision, may not assume more than a three percent increase in housing units produced as a result of the adoption of middle housing regulations unless the local government can show that higher increases have been achieved to date.
- ✓ The bill amends requirements relating to accessory dwelling units (ADUs). The bill states, “Reasonable local regulations relating to siting and design’ [for ADUs] does not include owner-occupancy requirements of either the primary or accessory structure or requirements to construct additional off-street parking.” However, such regulations may be applied if the ADU is used for vacation occupancy.
- ✓ Changes the annual housing production survey required by passage of HB 4006 in 2018. Adds requirement to report on ADUs and units of middle housing, both for market rate housing and for regulated affordable units.
- ✓ Directs the Building Codes Division to develop standards to facilitate conversions of single-family dwellings into no more than four residential dwelling units.
- ✓ Prohibits the establishment of new Covenants, Conditions & Restrictions or similar instruments that would prohibit middle housing or ADUs in a residential neighborhood.
- ✓ The bill also notes that the department shall prioritize technical assistance to cities or counties with limited planning staff, or that commit to implementation earlier than the date required by the act.

This fact sheet is intended to summarize key elements of HB 2001. It is not intended to replace a detailed review of the legislation. For specific bill language, please review the enrolled version of the HB 2001:
<https://olis.leg.state.or.us/liz/2019R1/Downloads/MeasureDocument/HB2001>

“HB 2001 is focused on increasing the supply of ‘middle housing’ in Oregon cities – not by limiting construction of single family homes, but by allowing development of duplexes, triplexes, and quadplexes. Through technical assistance and resources for local governments, DLCD joins the effort to help create housing opportunities for all Oregonians.”

- Jim Rue, DLCD Director

For more information visit our website at <http://www.oregon.gov/lcd/UP/Pages/Housing-Choices.aspx>

DLCD Staff Contacts:

With questions about local implementation –
[Contact your Regional Representative](#)

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HB 2001 and HB 2003 Frequently Asked Questions

Updated on March 25, 2020

House Bill 2001

Requirements for Duplexes

Which jurisdictions will be required to allow duplexes?

All Oregon cities with a population of 10,000 or more, unincorporated areas within the Portland Metro boundary that are served by sufficient urban services, and all cities within the Portland Metro boundary with a population of more than 1,000. A list is here:

<https://www.oregon.gov/lcd/UP/Documents/2019-11-20_CityList_HB2001_HB2003.pdf>

Where will they be allowed?

Duplexes must be allowed “on each lot or parcel zoned for residential use that allows for the development of detached single family dwellings.”

What is meant by “a duplex on each lot or parcel zoned for residential use that allows for the development of detached single-family dwellings”?

A local government that allows single-family dwellings in a residentially zoned lot or parcel must also allow for the development of a duplex. The local government may regulate the siting and design of the duplex so long as the regulations do not, individually or cumulatively, deter the development of duplexes through unreasonable cost and delay. More definitive guidance on this phrase will be provided with the adoption of administrative rules by the Land Conservation and Development Commission.

How will these requirements affect the development standards in my city/county?

Currently, the Department of Land Conservation and Development is only developing rules for duplex requirements. Once administrative rules are adopted, cities outside Portland Metro with populations between 10,000 and 25,000 (referred to as “Medium Cities”) will be required to adopt compliant development codes by June 30, 2021. Final guidance will be provided with the adoption of administrative rules.

What happens if a jurisdiction does not adopt a compliant development code by the statutory deadline?

If a jurisdiction does not adopt a compliant development code by the statutory deadline, a model ordinance adopted by the Land Conservation and Development Commission (LCDC) will apply directly and will pre-empt any existing local standards regulating duplex development. This model ordinance is under development and expected to be adopted by LCDC by August 2020.

Requirements for other middle housing types

Which jurisdictions will be required to permit other middle housing types (i.e. triplexes, quadplexes, townhouses, and cottage clusters)?

All Oregon cities with a population of more than 25,000, unincorporated areas within the Portland Metro boundary that are served by sufficient urban services, and all cities within the Portland Metro boundary with a population of more than 1,000 (referred to as “Large Cities”). A list of these jurisdictions is here: <
https://www.oregon.gov/lcd/UP/Documents/2019-11-20_CityList_HB2001_HB2003.pdf>

Where will they be permitted?

Middle housing types listed in HB 2001 other than duplexes must be allowed “in areas zoned for residential use that allow for the development of detached single family dwellings.”

What is meant by “in areas zoned for residential use that allow for the development of detached single-family dwellings”?

The Department of Land Conservation and Development has only just begun developing rules for “Large City” middle housing requirements. The exact interpretation of “in areas” is pending development through rulemaking. More definitive guidance on this phrase will be provided with the adoption of administrative rules.

What is meant by “Local governments may regulate siting and design of middle housing required to be permitted under this section, provided that the regulations do not, individually or cumulatively, discourage the development of all middle housing types permitted in the area through unreasonable costs or delay”?

The intent of HB 2001 is make the development of middle housing types equally as feasible as single-family dwellings. As such, standards, approval criteria, or processes that impose additional burden on the development of middle housing types above the burden placed upon single family dwellings in the same zone are considered unreasonable - and therefore not in compliance with the intent of HB 2001.

How will local governments know their regulations would not be determined to result in “unreasonable cost or delay”?

The administrative rules and model code adopted through this rulemaking process by the Land Conservation and Development Commission will provide a set of development standards that are considered to be reasonable. Additionally, the rules will define certain parameters for development regulations which will provide jurisdictions with clear guidance as to what is considered unreasonable cost or delay. More definitive guidance on this phrase will be provided with the adoption of administrative rules.

How will these requirements affect development standards related to:

- Density**
- Dimensional Standards (e.g. setbacks, lot coverage, height)**
- Design and Solar Access**
- Infrastructure and Public Facilities**
- Parking**

The Department of Land Conservation and Development has only just begun developing rules for “Large City” middle housing requirements. Once administrative rules are adopted, these cities will be required to adopt a development code compliant with the

HB 2001 law and rules by June 30, 2022. More definitive guidance on how the bill will affect development standards for large cities will be provided with the adoption of administrative rules.

What happens if a jurisdiction does not adopt a compliant development code by the statutory deadline?

If a jurisdiction does not adopt a compliant development code by the statutory deadline, a model ordinance adopted by the Land Conservation and Development Commission (LCDC) will apply directly and will pre-empt any existing local standards regulating duplex development. This model ordinance is under development and expected to be adopted by LCDC by mid-November of 2020.

Infrastructure-Based Time Extension Request (IBTER)

What if infrastructure is unable to accommodate middle housing types?

A local government may request an extension of time to enact the required regulations based on an application identifying an infrastructure constraint (water, sewer, storm drainage, or transportation) to accommodating middle housing development in a specific geographic area. In order for this extension request to be approved by the Department, the local government must also provide a plan of actions to remedy the infrastructure deficiency.

When must an Infrastructure-Based Time Extension Request be submitted?

A “Medium City” must submit an extension request by December 31, 2020. A “Large City” must submit an extension request by June 30, 2021.

What is considered “significantly deficient” infrastructure?

HB 2001 states that local governments may request an infrastructure-based time extension if infrastructure is currently significantly deficient, or is expected to be by December 31, 2023. Of course, the level of deficiency is dependent upon the infrastructure system. The Rulemaking Advisory Committee and the DLCD project team are working with technical experts to determine this criteria. The exact interpretation of this section of the bill is currently under development in rulemaking. More definitive guidance on this phrase will be provided with the adoption of administrative rules.

How much development/redevelopment can be anticipated or assumed for an extension request?

HB 2001 provides at least some guidance as to how much redevelopment a jurisdiction could reasonably anticipate as a result of adopting middle housing development standards. The bill states that a local government may not assume an increase in residential capacity above achieved density by more than 3% for the purposes of accommodating needed housing over a 20-year planning period. For the purposes of calculating if existing infrastructure can accommodate this growth by December 31, 2023, draft administrative rules currently under development have simplified this redevelopment rate to a growth rate of 1% in infill development situations and 3% in greenfield development situations.

How long of an extension can be granted?

A local government is expected to make good faith action to remedy an infrastructure deficiency in a timely manner. The proposed length of the initial time extension is five years, with the opportunity for a one-time additional five year extension.

How does a jurisdiction prepare an IBTER for an area where they do not have ownership or authority over a type of infrastructure such as a State highway or service provider district?

Parameters for ensuring coordination between local governments and service providers is currently in development as part of rulemaking. More definitive guidance on this will be provided with the adoption of administrative rules.

Requirements for Accessory Dwelling Units (ADUs)

How will HB 2001 change how ADUs are regulated?

The new law prohibits jurisdictions from requiring owner-occupancy or off-street parking for ADUs. However, such regulations may be applied if the ADU is used for vacation occupancy.

What is the difference between an ADU and a duplex?

There may be rare situations where a proposed development could meet the definition of both a duplex and a single-family dwelling with an internal ADU. In these situations, the property owner will be allowed to elect which definition they wish to apply to their proposed development. The property owner is not allowed to define their proposed development as both or change their election.

Will HB 2001 require jurisdictions to allow both an ADU and duplex on a single lot?

We are currently exploring this legal question as part of rulemaking. More definitive guidance on this will be provided with the adoption of administrative rules.

General Questions

What is the Model Code? How will it be applied?

If a jurisdiction does not adopt a compliant development code by the statutory deadline outlined in the bill, then a model ordinance developed by the Land Conservation and Development Commission (LCDC) will apply directly. Currently, there are two model ordinances under development – one applicable to “Medium” cities and another applicable to “Large” Cities.

What is the difference between the Model Code and Administrative Rules?

The purpose of the Model Code is three-fold. Firstly, it provides an ordinance that can apply directly in the event a jurisdiction does not adopt an ordinance that complies with HB 2001. Secondly, local governments can choose to adopt the model code “wholesale” and be assured that the standards are HB 2001-compliant. Thirdly, it defines standards

for minimum compliance to provide guidance to jurisdictions that seek to develop their own middle housing standards.

The administrative rules outline the process and criteria by which the Department of Land Conservation and Development will evaluate middle housing ordinances adopted by local jurisdictions to determine whether they comply with the intent of HB 2001.

If a jurisdiction reaches a statutorily-defined population threshold, when will they be required to comply with HB 2001?

The required timeline for compliance with HB 2001 is currently under development as a part of rulemaking. More definitive guidance on this will be provided with the adoption of administrative rules.

How will existing and future Codes, Covenants, and Restrictions (CC&Rs) be affected by HB 2001?

HB 2001 prohibits the establishment of new Covenants, Conditions & Restrictions or similar instruments that would prohibit middle housing or ADUs in a residential neighborhood. However, existing CC&Rs will remain in place.

What is meant by “clear and objective” standards? Will discretionary review processes for middle housing be allowed under HB 2001?

[OAR 660-008-0015](#) establishes that local governments may adopt and apply only clear and objective standards, conditions and procedures regulating the development of needed housing on buildable land. The standards, conditions and procedures may not have the effect, either in themselves or cumulatively, of discouraging needed housing through unreasonable cost or delay.

Local governments may adopt and apply an optional alternative approval process based on approval criteria regulating appearance or aesthetics that are not clear and objective if the applicant retains the option of proceeding under the approval process that is clear and objective, the alternative process complies with applicable statewide land use planning goals and rules, and the alternative approval process authorizes a density at or above the density level authorized in the zone under the clear and objective approval process.

In other words, local governments will be able to adopt and apply a discretionary review process for middle housing, but all middle housing development applications must have the option of a clear and objective review path that does not have the effect of unreasonable cost or delay.

How will HB 2001 affect the Urban Growth Boundary (UGB) expansion process?

At periodic review or at any other legislative review of the comprehensive plan or regional framework plan that concerns the urban growth boundary and requires the application of a statewide planning goal relating to buildable lands for residential use, a local government must demonstrate that its comprehensive plan or regional framework plan provides sufficient buildable lands within the urban growth boundary established pursuant to statewide planning goals to accommodate estimated housing needs for 20 years.

HB 2001 allows jurisdictions to adopt density expectations assumed to result from the provision of middle housing, but this expectation may not project an increase in residential capacity above achieved density by more than three percent without quantifiable validation of such departures.

For jurisdictions located outside of a metropolitan service district (i.e. Metro), a quantifiable validation must demonstrate that the assumed housing capacity has been achieved in areas that are zoned to allow no greater than the same authorized density level within the local jurisdiction or a jurisdiction in the same region. For a metropolitan service district, a quantifiable validation must demonstrate that the assumed housing capacity has been achieved in areas that are zoned to allow no greater than the same authorized density level within the metropolitan service district.

How will HB 2001 affect historic properties and districts?

Parameters for historic properties and districts in the model code and administrative rules are currently in development as part of rulemaking. More definitive guidance on this will be provided with the adoption of administrative rules.

Will HB 2001 affect the application of System Development Charges (SDCs), property tax exemptions/freezes, or construction taxes?

As part of the comprehensive plan and development code amendment process, HB 2001 requires local governments to consider ordinances and policies to increase the affordability of middle housing including:

1. Waiving or deferring system development charges
2. Adopting or amending criteria for property tax exemptions or freezes
3. Assessing a construction tax

House Bill 2003

Regional Housing Needs Analysis (RHNA)

What is the Regional Housing Needs Analysis?

The Regional Housing Needs Analysis (RHNA; pronounced “ree-na”) is a statewide needs analysis by region to analyze and quantify the housing shortage and future needs in our state. The methodology for this analysis is currently under development by Oregon Housing and Community Services. HB 2003 requires that this analysis determine housing needs of a region and of each city and Metro for a 20-year period. Additionally, the RNHA will include analysis related to the equitable distribution of publicly supported housing within a region and a housing shortage analysis for each city and Metro.

This is a feasibility study of how to conduct a regional housing needs analysis in Oregon, and the results and recommendations will be returned to the legislature for further consideration related to how this analysis might continue to be conducted in the future. HB 2003 requires that the methodology be completed and run by September 1, 2020, with a report due to the Oregon Legislature by March 1, 2021.

What data will be used in this analysis? Will it provide an accurate assessment of regional housing needs?

There is limited availability of statewide data sets that can provide sufficient level of detail to conduct the required analysis. To ensure the analysis provides as accurate of an assessment of regional housing needs as practical, the RHNA will utilize Census American Community Survey Public Use Microdata Sample (PUMS) 5-year data, and the shortage analysis will utilize Census Comprehensive Housing Affordability Strategy (CHAS) data.

Will there be opportunities to include qualitative data in the RHNA? Or is it solely quantitative?

Given the timeline and resource constraints associated with conducting a robust qualitative methodology, the RHNA as required by HB 2003 will be conducted using quantitative data. Recommendations in the legislative report due March 1, 2021 will include considerations of how to improve the process, which may include the incorporation of a qualitative component.

How are the regions defined?

Census American Community Survey Public Use Microdata Sample (PUMS) divides Oregon counties into discrete geographies. While it is possible to combine PUMS regions, it is not advisable to break these regions into smaller subregions. Unfortunately, this means that regional boundaries are limited by the boundaries utilized by PUMS data.

While final regions have not yet been defined, it is clear that boundaries in this first iteration of the RHNA may not fully correspond to what may be perceived as a regional housing market. The legislative report due March 1, 2021 will discuss the limitations of this approach and provide recommendations on creating regions that better reflect regional housing markets throughout the state.

What does “affordability” mean in context of the RHNA?

HB 2003 requires that the analysis must classify housing by “Affordability” which is housing that is affordable to households with:

1. Very low income - income at or below 50 percent of the area median income
2. Low income - income above 50 percent and at or below 80 percent of the area median income
3. Moderate income - income above 80 percent and at or below 120 percent of the area median income
4. High income – income above 120 percent of the area median income

“Area median income” is defined in the bill as the median income for households established by the United States Department of Housing and Urban Development. OHCS defines affordability as a household spending no more than 30% of their gross income on housing costs.

How will this analysis be used?

The purpose of the RHNA as prescribed in HB 2003 is to conduct a one-time feasibility study of how to conduct a regional housing needs analysis in Oregon, and the results and recommendations will be returned to the legislature for further consideration. The analysis will summarize the findings of the regional housing needs analysis, estimate of housing stock, housing shortage analysis and estimate of housing necessary to accommodate growth.

The legislative report provided by the Department of Land Conservation and Development will evaluate the methodology and assessment produced by Oregon Housing and Community Services. You can read about the specific requirements of this report in [Section 2](#) of the bill.

Housing Needs Analysis (HNA)

Which jurisdictions are required to conduct a Housing Needs Analysis?

HB 2003 requires adoption of a statewide schedule for cities with a population greater than 10,000 to update a local Housing Needs Analysis (HNA).

When will they need to complete a Housing Needs Analysis?

Cities within Metro will be required to update HNAs every six years, cities outside Metro must update every eight years. You can find a completed Housing Needs Analysis Update Schedule here: <

https://www.oregon.gov/lcd/UP/Documents/Final_HNA_Schedule_20191220.pdf>

Housing Production Strategy (HPS)

What is a Housing Production Strategy? Which jurisdictions are required to produce a Housing Production Strategy?

HB 2003 requires cities with a population greater than 10,000 to prepare and adopt a housing production strategy, in accordance with rules adopted by DLCD. A Housing Production Strategy (HPS) is an extension of a Housing Needs Analysis and must include a list of specific actions that the city shall undertake to promote development within the city to address housing needs identified in their HNA.

When will they need to produce a Housing Production Strategy?

A city is required to adopt a Housing Production Strategy within one year of the adoption of their six or eight year Housing Needs Analysis.

What strategies will a jurisdiction need to incorporate in their HPS?

A housing production strategy (HPS) must include a list of specific actions that the city shall undertake to promote development within the city to address housing needs identified in their HNA. This may include:

1. The reduction of financial and regulatory impediments to developing needed housing, including removing or easing approval standards or procedures for needed housing at higher densities or that is affordable.

2. The creation of financial and regulatory incentives for development of needed housing, including creating incentives for needed housing at higher densities or that is affordable.
3. The development of a plan to access resources available at local, regional, state and national levels to increase the availability and affordability of needed housing.

Currently, the Department of Land Conservation and Development is developing rules that will provide further guidance on specific actions that a jurisdiction can incorporate into Housing Production Strategies they develop and adopt.

Will there be enforcement for jurisdictions to implement strategies identified in their HPS?

Section 6 of [HB 2003](#) establishes Land Conservation and Development Commission (LCDC) enforcement authority to ensure Housing Production Strategy implementation and progress. Specific parameters for enforcement is currently under development as part of rulemaking. More definitive guidance on this will be provided with the adoption of administrative rules.

General Questions

If a jurisdiction reaches a statutorily-defined population threshold, when will they be required to comply with HB 2003?

The required timeline for compliance with HB 2003 is currently under development as a part of rulemaking. More definitive guidance on this will be provided with the adoption of administrative rules.

Implementation

Rulemaking

What rules will be adopted for HB 2001 and HB 2003?

In response to HB 2001 and HB 2003, the Land Conservation and Development Commission has initiated rulemaking to begin implementation of the 'middle housing' and housing production strategy requirements. These include administrative rules for the following elements of HB 2001 and HB 2003:

- Infrastructure Based Time Extension Request
- Middle Housing in "Medium" Cities
- Middle Housing in "Large" Cities
- Housing Production Strategy

To advise on this rulemaking, the commission directed DLCD to establish a rulemaking advisory committee. The purpose of the committee is to ensure that both the commission and DLCD hear from a broad group of stakeholders and interested persons during the rulemaking process. You can find out more information about committee meetings on the [Housing Rulemaking](#) page.

When will Administrative Rules be adopted?

Each set of Administrative Rules has its own timeline for adoption based on statutory deadlines and priorities of LCDC. They are listed below.

Infrastructure Based Time Extension Request – To provide local governments sufficient time to develop an IBTER, LCDC aims to adopt administrative rules by early August 2020.

Middle Housing in “Medium” Cities – The statutory required adoption date for administrative rules is December 31, 2020, but to provide local governments sufficient time to develop and adopt middle housing code, LCDC aims to adopt a model code and administrative rules by early August 2020.

Middle Housing in “Large” Cities – The statutory required adoption date for administrative rules is December 31, 2020. The anticipated date of LCDC rule adoption is November 12-13, 2020.

Housing Production Strategy – There is no statutory deadline for Housing Production Strategy rule adoption. The anticipated date of LCDC rule adoption is November 12-13, 2020.

How do I provide comments to DLCD, the Land Conservation and Development Commission, the Rulemaking Advisory Committee, or the Technical Advisory Committee during the rulemaking process?

You are welcome to submit comments electronically or in-person during the rulemaking process. If you would like to submit comments electronically, please submit them to housing.dlcd@state.or.us. If you would like to attend a Rulemaking or Technical Advisory Committee meeting and submit comments in-person, please visit the [Housing Rulemaking](#) page for additional information on time and location of these meetings.