

ARTICLE 3

ADDITIONAL USE AND DEVELOPMENT STANDARDS

3.005. ACCESS TO STREETS.

Every lot shall abut a street, other than an alley, for at least 25 feet.
(Section 3.005 amended by Ordinance 14-03, 4-21-14)

3.008. VEHICULAR ACCESS AND CIRCULATION.

A. Purpose and Intent.

Section 3.008 implements the street access policies of the City of Astoria Transportation System Plan. It is intended to promote safe vehicle access and egress to properties, while maintaining traffic operations in conformance with adopted standards. "Safety," for the purposes of this Section, extends to all modes of transportation.

B. Applicability.

Section 3.008 applies to new development and changes in land use involving a new or modified street connection. Except where the standards of a roadway authority other than the City supersede City standards, this section applies to all connections to a street, and to driveways and walkways. The Community Development Director may grant adjustments of 10% or less of the quantitative standard pursuant to Class 1 variance procedures in Article 12. The Planning Commission may grant adjustments of more than 10% of the standard pursuant to Class 2 variance procedures in Article 12. For transportation facility improvement requirements, refer to Section 3.015.

C. Traffic Study Requirements.

The City in reviewing a development proposal or an action requiring an approach permit may require a Traffic Impact Study, pursuant to Subsection 3.015.A.5, to determine compliance with this code.

D. Approach and Driveway Development Standards.

Approaches and driveways taking access on City streets shall conform to all of the following development standards:

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1. The number of approaches on higher classification streets (e.g., collector and arterial streets) shall be minimized; where practicable, access shall be taken first from a lower classification street. Access to single family residential development should not be provided to an arterial or collector roadway.
2. Approaches shall conform to the spacing standards of Subsections E and F below, and shall conform to minimum sight distance and channelization standards of the roadway authority.
3. Driveways shall be paved and meet applicable construction standards in the Astoria Engineering Design Standards (Chapter 4 - Roadways).
4. The City Engineer may limit the number or location of connections to a street, or limit directional travel at an approach to one-way, right-turn only, or other restrictions, where the roadway authority requires mitigation to alleviate safety or traffic operations concerns.
5. Where the spacing standards of the roadway authority limit the number or location of connections to a street or highway, the Community Development Director, Planning Commission, or City Engineer as applicable may require a driveway extend to one or more edges of a parcel and be designed to allow for future extension and inter-parcel circulation as adjacent properties develop. The Community Development Director, Planning Commission, or City Engineer as applicable may also require the owner(s) of the subject site to record an access easement for future joint use of the approach and driveway as the adjacent properties develop.

Where a land division abuts or contains an existing or proposed arterial street, the Planning Commission may require marginal access streets, reverse frontage lots with suitable depth, screen planting contained in a non-access reservation along the rear or side property line, or other treatment necessary for adequate protection of residential properties and to afford separation of through and local traffic.
6. Where applicable codes require emergency vehicle access, approaches and driveways shall be designed and constructed to accommodate emergency vehicle apparatus and shall conform to applicable fire protection requirements. The City Engineer may restrict parking, require signage, or require other public safety improvements pursuant to the recommendations of an emergency service provider.
7. As applicable, approaches and driveways shall be designed and constructed to accommodate truck/trailer-turning movements.

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8. Residential driveways shall have a minimum depth of 16 feet between the property line and any structure to accommodate on-site vehicular parking.
9. Driveways shall be designed so that vehicle areas, including but not limited to drive-up and drive-through facilities and vehicle storage and service areas, do not obstruct any public right-of-way and do not result in vehicles stacking or backing up onto a street..
10. Approaches and driveways shall not be wider than necessary to safely accommodate projected peak hour trips and turning movements, and shall be designed to minimize crossing distances for pedestrians.
11. As it deems necessary for pedestrian safety, the City Engineer, in consultation with the roadway authority, as applicable, may require traffic-calming features (such as speed cushions and tables, textured driveway surfaces, curb extensions, signage or traffic control devices, or other features) be installed on or in the vicinity of a site as a condition of development approval.
12. Construction of approaches along acceleration or deceleration lanes, and along tapered (reduced width) portions of a roadway, shall be avoided; except where no reasonable alternative exists and the approach does not create safety or traffic operations concern.
13. Approaches and driveways shall be located and designed to allow for safe maneuvering in and around loading areas, while avoiding conflicts with pedestrians, parking, landscaping, and buildings.
14. Where an accessible route is required pursuant to the Americans with Disabilities Act, approaches and driveways shall meet accessibility requirements.
15. The City Engineer may require changes to the proposed configuration and design of an approach, including the number of drive aisles or lanes, surfacing, traffic-calming features, allowable turning movements, and other changes or mitigation, to ensure traffic safety and operations.
16. Where a new approach onto a State highway or a change of use adjacent to a State highway requires ODOT approval, the applicant is responsible for obtaining ODOT approval. The Community Development Director or Planning Commission, as applicable, may approve a development conditionally, requiring the applicant first obtain required ODOT permit(s) before commencing development, in which case ODOT will work cooperatively with the applicant and the City to avoid unnecessary delays.

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17. Where an approach or driveway crosses a drainage ditch, canal, railroad, or other feature that is under the jurisdiction of another agency, the applicant is responsible for obtaining all required approvals and permits from that agency prior to commencing development.
18. Where a proposed driveway crosses a culvert or drainage ditch, the City Engineer may require the developer to install a culvert extending under and beyond the edges of the driveway on both sides of it, pursuant to applicable Astoria Engineering Design Standards.
19. Except as otherwise required by the applicable roadway authority or waived by the City Engineer, temporary driveways providing access to a construction site or staging area shall be paved or graveled to prevent tracking of mud onto adjacent paved streets.

E. Approach Separation from Street Intersections.

Except as provided by Section 3.008.G, approach, driveway, and intersection spacing shall comply with the minimum distance standards provided in Table 1 (Spacing Standards) of the Astoria Transportation System Plan.

F. Vision Clearance.

Refer to Section 6.100 (Vision Clearance Area) of the City code.

G. Exceptions and Adjustments to Approach Separation from Street Intersections.

The City decision body may approve adjustments to the spacing standards of Subsection E above, where an existing connection to a City street does not meet the standards of the roadway authority and the proposed development moves in the direction of code compliance. The City Engineer may also approve a deviation to the spacing standards on City streets where it finds that mitigation measures, such as consolidated access (removal of one access), joint use driveways (more than one property uses same access), directional limitations (e.g., one-way), turning restrictions (e.g., right in/out only), or other mitigation alleviate traffic operations and safety concerns, through an administrative review procedure with notice pursuant to Section 9.020.

H. Joint Use Access Easement and Maintenance Agreement.

Where the City approves a joint use driveway, the property owners shall record an easement with the deed allowing joint use or cross access between adjacent properties. The owners of the properties agreeing to joint use of the driveway shall record a joint maintenance agreement with the deed defining maintenance responsibilities of property owners. The applicant shall provide a fully executed copy

of the agreement to the City for its records, but the City is not responsible for maintaining the driveway or resolving any dispute between property owners. This easement/agreement requirement shall also apply to separate properties under the same ownership.

(Section 3.008 added by Ordinance 14-03, 4-21-14)

3.010. ON-SITE PEDESTRIAN AND BICYCLE ACCESS AND CIRCULATION.

A. Purpose and Intent.

Section 3.010 implements the pedestrian and bicycle access and connectivity policies of City of Astoria Transportation System Plan. It is intended to provide for safe, reasonably direct, and convenient pedestrian and bicycle access and circulation.

B. Applicability.

Section 3.010 applies to new development and changes in land use involving a new or modified street connection. Except where the standards of a roadway authority other than the City supersede City standards, this section applies to all connections to a street, and to driveways and walkways. The Community Development Director may grant adjustments of 10% or less of the quantitative standard pursuant to Class 1 variance procedures in Article 12. The Planning Commission may grant adjustments of more than 10% of the standard pursuant to Class 2 variance procedures in Article 12. For transportation facility improvement requirements, refer to Section 3.015.

C. Standards.

Applicable development shall conform to all of the following standards for pedestrian access and circulation:

1. Continuous Walkway System.

A walkway system shall extend throughout the development site and connect to adjacent sidewalks, if any, and to all future phases of the development, as applicable.

2. Safe, Direct, and Convenient Walkways.

Walkways within developments shall provide safe, reasonably direct, and convenient connections between primary building entrances and all adjacent parking areas, open spaces, recreational areas/playgrounds, and public

rights-of-way based on all of the following criteria:

- a. The walkway is designed primarily for pedestrian and bicycle safety and convenience, meaning it is reasonably free from hazards and obstructions, and provides a reasonably smooth and consistent surface and direct route of travel between destinations. The Community Development Director or Planning Commission as applicable may require landscape buffering between access ways and adjacent parking lots or driveways to mitigate safety concerns.
- b. The walkway is reasonably direct. A walkway is reasonably direct when it follows a route that does not deviate unnecessarily from a straight line or it does not involve a significant amount of out-of-direction travel.
- c. The walkway network connects to primary building entrances and, where required, meets Americans With Disabilities Act requirements.

3. Vehicle/Walkway Separation.

Except as required for parking area and driveway crossings, per Subsection 4 below, where a walkway abuts a driveway it shall be raised six (6) inches and curbed along the edge of the driveway/street. Alternatively, the Community Development Director or Planning Commission may approve a walkway abutting a driveway at the same grade as the driveway if the walkway is physically separated from all vehicle-maneuvering areas; for example, a row of bollards designed for use in parking areas, with adequate minimum spacing between them to prevent vehicles from entering the walkway.

4. Parking Area and Driveway Crossings.

Where a walkway crosses a parking area or driveway, it shall be clearly marked with contrasting paving materials (e.g., pavers, light-color concrete inlay between asphalt, or similar contrast). The crossing may be part of a speed table to improve driver-visibility of pedestrians. Painted or thermo-plastic striping and other types of non-permanent applications are discouraged, but may be approved for lesser-used crossings not exceeding 24 feet in length.

5. Walkway Width and Surface.

Walkways shall be constructed of concrete, asphalt, brick/masonry pavers, or another durable surface, as approved by the City Engineer and meeting Americans With Disabilities Act requirements, with a surface not less than six (6) feet wide. The Community Development Director or Planning Commission as applicable may require a wider walkway where pedestrian traffic warrants.

6. Mid-Block Walkways.

Walkways through blocks for pedestrian and bicycle access shall be provided at least every 330 feet for blocks that exceed the spacing standards in Table 1 of the Transportation System Plan. Road crossings shall be similarly provided and these are addressed in the Transportation System Plan and the Astoria Engineering Design Standards for Roadways (Chapter 4).

7. Shared-Use Pathways.

Shared-use pathways, designed for use by bicyclists, pedestrians, and other non-motorized users, shall conform to the transportation standards of Section 3.015, and Figure 18 in the Astoria Transportation System Plan. Where approved, shared-use pathways shall be constructed of asphalt, concrete, or another durable surface, as approved by the City Engineer and meeting Americans With Disabilities Act requirements. The City may reduce the width of the paved shared-use path to a minimum of eight (8) feet in constrained areas located in steep, environmentally sensitive, rural, historic, or development- limited areas of the City.”

(Section 3.010 added by Ordinance 14-03, 4-21-14)

3.015. TRANSPORTATION STANDARDS.

A. General Requirements.

1. Except as provided by waiver, deferral, and variance provisions in Subsection 7 below, and the adopted Astoria Engineering Design Standards for In-fill Development, existing substandard streets and planned streets within or abutting a proposed development shall be improved pursuant to the standards of this Section as a condition of development approval. Proposed development shall include proposed land divisions, new buildings or structures that require building permits, or substantial changes to a site, use, or structure. For the purposes of this section, "substantial change" is defined as development activity that requires a building permit and involves one or more of the following:
 - a. A new dwelling unit.
 - b. An increase in gross floor area of [50%] or more.
 - c. A projected increase in vehicle trips [as determined by the City Engineer].
2. All street improvements, including the extension or widening of existing streets

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and public access ways, shall conform to this Section, and shall be constructed consistent with the Astoria Engineering Design Standards.

3. All new streets should be contained within a public right-of-way; pedestrian and shared-use access ways may be contained within a right-of-way or a public access easement, subject to review and approval of the Community Development Director or Planning Commission (for land divisions) or the City Engineer (for existing plats).

The design and improvement of any street in a land division shall be subject to all requirements prescribed by this ordinance for public streets. The land divider shall provide for the permanent maintenance of any street required for access to property in a private street subdivision or a major partition.

4. Rough Proportionality.

The rough proportionality requirements of this section apply to both frontage and non-frontage improvements. A proportionality analysis will be conducted by the City Engineer for any proposed development that triggers transportation facility improvements pursuant to Section 3.015. The City Engineer will take into consideration any benefits that are estimated to accrue to the development property as a result of any required transportation facility improvements. A proportionality determination can be appealed pursuant to Section 9.040. The following general provisions apply whenever a proportionality analysis is conducted.

- a. Mitigation of impacts due to increased demand for transportation facilities associated with the proposed development shall be provided in rough proportion to the transportation impacts of the proposed development. When applicable, anticipated impacts will be determined by the Traffic Impact Study (TIS) pursuant to Section 3.015.A.5. When no TIS is required, anticipated impacts will be determined by the City Engineer.
- b. The following shall be considered when determining proportional improvements:
 - 1) Condition and capacity of existing facilities within the impact area in relation to City standards. The impact area is generally defined as the area within a one-half (1/2) mile radius of the proposed development. If a Traffic Impact Study is required pursuant to Section 3.015.A.5, the impact area is the TIS study area.

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- 2) Existing vehicle, bicycle, pedestrian, and transit use within the impact area.
- 3) The effect of increased demand on transportation facilities and other approved, but not yet constructed, development projects within the impact area that is associated with the proposed development.
- 4) Applicable Transportation System Plan goals, policies, and plans.
- 5) Whether any route affected by increased transportation demand within the impact area is listed in any City program including school trip safety, neighborhood traffic management, capital improvement, system development improvement, or others.
- 6) Accident history within the impact area.
- 7) Potential increased safety risks to transportation facility users, including pedestrians and cyclists.
- 8) Potential benefit the development property will receive as a result of the construction of any required transportation facility improvements.
- 9) Other considerations as may be identified in the review process.

5. Traffic Impact Studies.

In order to comply with and implement the State Transportation Planning Rule, the City shall adopt a process to coordinate the review of land use applications with roadway authorities and apply conditions to development proposals in order to minimize impacts and protect transportation facilities, which can be done by establishing requirements for Traffic Impact Studies.

- a. When a Traffic Impact Study is Required. The City or other road authority with jurisdiction may require a Traffic Impact Study (TIS) as part of an application for development, a change in use, or a change in access. Based on information provided by the applicant about the proposed development, the City will determine when a TIS is required and will consider the following when making that determination.

- 1) Changes in zoning or a plan amendment designation;
- 2) Changes in intensity of use;

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- 3) The road authority indicates in writing that the proposal may have operational or safety concerns along its facilities;
 - 4) An increase in site traffic volume generation by 400 Average Daily Trips (ADT) or more;
 - 5) Potential negative impact to residential or mixed-use areas;
 - 6) Potential impacts to key walking and biking routes, including, but not limited to school routes and multimodal street improvements identified in the Transportation System Plan;
 - 7) Location of existing or proposed driveways or access connections;
 - 8) An increase in peak hour volume of a particular movement to and from a street or highway by 20 percent or more;
 - 9) An increase in use of adjacent streets by vehicles exceeding the 20,000 pound gross vehicle weights by 10 vehicles or more per day;
 - 10) Potential degradation of intersection level of service (LOS);
 - 11) The location of an existing or proposed approach or access connection does not meet minimum spacing or sight distance requirements or is located where vehicles entering or leaving the property are restricted, or such vehicles are likely to queue or hesitate at an approach or access connection, creating a safety hazard;
 - 12) A change in internal traffic patterns may cause safety concerns;
or
 - 13) A TIS is required by ODOT pursuant with OAR 734-051.
- b. It is the responsibility of the applicant to provide enough detailed information to the City Engineer for existing plats, or Community Development Director for proposed land divisions, to make a Traffic Impact Study determination.
 - c. A determination for the need of a Traffic Impact Study is not a land use action and may not be appealed.

d. Traffic Impact Study Preparation.

- 1) A professional engineer registered in the State of Oregon, in accordance with the requirements of the road authority, shall prepare the Traffic Impact Study as provided for by the applicant.
- 2) The City Engineer shall determine the study area, study intersections, trip rates, traffic distribution, and required content of the Traffic Impact Study based on information provided by the applicant about the proposed development.
- 3) The study area will generally comprise an area within a one-half mile radius of the development site. If the City Engineer determines that development impacts may extend more than one-half mile from the development site, a larger study area may be required.
- 4) If the study area includes State facilities, the City will coordinate with ODOT in preparing the Traffic Impact Study scope.
- 5) A project-specific Traffic Impact Study (TIS) Checklist will be provided by the City once the City Engineer has determined the TIS scope. A TIS shall include all of the following elements, unless waived by the City Engineer.

(a) Introduction and Summary.

This section should include existing and projected trip generation and a summary of transportation operations and proposed mitigation(s).

(b) Existing Conditions.

This section should include a study area description, including existing study intersection level of service and review of crash histories in the study area.

(c) Impacts.

This section should include the proposed site plan, evaluation of the proposed site plan, and a project-related trip analysis. Trip analysis will address mobility targets established in the Transportation System Plan. A figure showing the assumed future year roadway network

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(number and type of lanes at each intersection) should also be provided.

(d) Mitigation.

This section should include proposed site and area-wide specific mitigation measures. Mitigation measures shall be roughly proportional to potential impacts pursuant to Subsection 3.015.A.4.

(e) Appendix.

This section should include traffic counts, capacity calculations, warrant analysis, and any information necessary to convey a complete understanding of the technical adequacy of the Traffic Impact Study.

e. Traffic Impact Study Mitigation

- 1) Transportation impacts shall be mitigated at the time of development when the Traffic Impact Study identifies an increase in demand for vehicular, pedestrian, bicycle, or transit transportation facilities within the study area.
- 2) The following measures may be used to meet mitigation requirements. Other mitigation measures may be suggested by the applicant. The City Engineer, Community Development Director, or Planning Commission as applicable shall determine if the proposed mitigation measures are adequate.
 - (a) On- and off-site improvements beyond required frontage improvements.
 - (b) Development of a transportation demand management program.
 - (c) Payment of a fee in lieu of construction.
 - (d) Correction of off-site transportation deficiencies within the study area that are not substantially related to development impacts.
 - (e) Construction of on-site facilities or facilities located within the right-of-way adjoining the development site that

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exceed minimum required standards and that have a transportation benefit to the public.

6. The City may attach conditions of approval to land use decisions as needed to satisfy the transportation facility requirements of Section 3.015 and to mitigate transportation impacts identified in the Traffic Impact Study.
7. Variances to standards in Section 3.015.A of 10% or less may be granted by administrative review. Variances of more than 10% of the standards in this Section may be granted by the Community Development Director pursuant to Class 1 variance procedures in Article 12.

The Community Development Director or Planning Commission, as applicable, may waive or defer improvements for land divisions and on-site improvements, and the City Engineer may waive or defer improvements for existing plats and off-site improvements. When the Community Development Director, Planning Commission, or City Engineer agrees to defer a street improvement, they shall do so only where the property owner agrees not to remonstrate against the formation of a local improvement district in the future.

Standard street improvements, including sidewalk, roadway, bicycle lane, undergrounding of utilities, and/or landscaping, as applicable, may be waived or deferral may be allowed where one or more of the following conditions are met:

- a. The standard improvement conflicts with an adopted capital improvement plan;
- b. The standard improvement would create a safety hazard;
- c. It is unlikely due to the developed condition of adjacent property that the subject improvement would be extended in the foreseeable future, and the improvement under consideration does not by itself significantly improve transportation operations or safety;
- d. The improvement under consideration is part of an approved partition in a residential zone and the proposed partition does not create any new street.

B. Street Location, Alignment, Extension, Grades, and Names.

1. All new streets, to the extent practicable, shall connect to the existing street network and allow for the continuation of an interconnected street network, consistent with adopted public facility plans, including the Astoria

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Transportation System Plan (Figures 10-12), and pursuant to Subsection 3.015.D, Transportation Connectivity and Future Street Plans.

2. Specific street locations and alignments shall be determined in relation to existing and planned streets, topographic conditions, public convenience and safety, and in appropriate relation to the proposed use of the land to be served by such streets. As far as is practical, streets shall be in alignment with existing streets by continuations of the center lines thereof. Staggered street alignment resulting in "T" intersections shall, wherever practical, leave a minimum distance of 200 feet between the center lines of streets having approximately the same direction, and in no case, shall be less than 150 feet.
3. Grades of streets shall follow as closely as practicable to the original (pre-development) topography to minimize grading. Maximum grades and curves shall conform to the Astoria Engineering Design Standards for Roadways (Chapter 4). Where existing conditions, particularly topography, make it otherwise impracticable to provide buildable sites, steeper grades and sharper curves may be accepted by the Community Development Director or Planning Commission for land divisions, as applicable, or by the City Engineer for existing plats.
4. Where the locations of planned streets are shown on a local street network plan, the development shall implement the street(s) shown on the plan.
5. Where required local street connections are not shown on an adopted City street plan, or the adopted street plan does not designate future streets with sufficient specificity, the development shall provide for the reasonable continuation and connection of existing streets to adjacent potentially developable properties, conforming to the standards of this Code.
6. Existing street-ends that abut a proposed development site shall be extended with the development, unless prevented by environmental or topographical constraints, existing development patterns, or compliance with other standards in this Code; in such situations, the applicant must provide evidence that the environmental or topographic constraint precludes reasonable street connection.
7. Proposed streets and any street extensions required pursuant with this Section shall be located, designed and constructed to allow continuity in street alignments and to facilitate future development of vacant or redevelopable land.
8. All street names shall be approved by the City Engineer for conformance with the established pattern and to avoid duplication and confusion.

C. Street Design.

The optimum street design criteria contained in the Transportation System Plan (Figures 17a to 17f) and Astoria Engineering Design Standards for Roadways (Chapter 4) are intended to provide for streets of suitable location, width, and design to accommodate expected vehicle, pedestrian and bicycle traffic; to afford satisfactory access to law enforcement, fire protection, sanitation, and road maintenance equipment; and to provide a convenient and accessible network of streets, avoiding undue hardships to adjoining properties. Where a range of street width or improvement options is indicated, the Community Development Director or Planning Commission for land divisions, as applicable, or the City Engineer for existing plats shall determine the requirement based on advice from a qualified professional and all of the following factors:

1. Street classification, shown in the Transportation System Plan (Figure 15), and requirements of the roadway authority if different than the City.
2. Existing and projected street operations relative to applicable standards.
3. Safety of motorists, pedestrians, bicyclists, and transit users, including consideration of accident history.
4. Convenience and comfort for pedestrians, bicyclists, and transit users.
5. Provision of on-street parking.
6. Placement of utilities.
7. Street lighting.
8. Slope stability and erosion control (minimize cuts and fills).
9. Surface water management/storm drainage requirements.
10. Emergency vehicles/apparatus and emergency access/egress, including evacuation needs.
11. Transitions between varying street widths (i.e., existing streets and new streets).
12. Other factors related to public health, safety, and welfare.
13. Half streets shall be prohibited except they may be approved where essential to the reasonable development of subdivisions or partitions when in

conformity with the other requirements of this Development Code, and when the Community Development Director or Planning Commission for land divisions, as applicable, or the City Engineer for existing plats, finds it will be practical to require the dedication of the other half when the adjoining property is divided. Whenever a half street is adjacent to a tract to be divided, the other half of the street shall be platted within the tract. Reserved strips may be required to preserve the objectives of half streets.

D. Transportation Connectivity and Future Street Plans.

The following standards apply to the creation of new streets:

1. Intersections.

Streets shall be located and designed to intersect as nearly as possible to a right angle. Street intersection angles shall conform to the Astoria Engineering Design Standards for Roadways (Chapter 4).

2. Connectivity to Abutting Lands.

The street system of a proposed development shall be designed to connect to existing, proposed, and planned streets adjacent to the proposed development. Wherever a proposed development abuts unplatted land or a future development phase of an existing development, street stubs shall be provided to allow access to future abutting subdivisions and to logically extend the street system into the surrounding area. Street ends shall contain turnarounds constructed to Uniform Fire Code standards, as the City deems applicable, and shall be designed to facilitate future extension in terms of grading, width, and temporary barricades.

Reserved strips including street plugs may be required to preserve the objectives of street extensions. Reserved strips controlling the access to public ways will be approved when necessary for the protection of the public welfare. The control and disposal of the land comprising the strips shall be placed within the jurisdiction of the City under conditions approved by the Planning Commission.

3. Street Connectivity and Formation of Blocks.

In order to promote efficient vehicular and pedestrian circulation throughout the City, subdivisions and site developments shall be served by an interconnected street network, pursuant to Table 1 (Spacing Standards) in the Transportation System Plan.

4. Cul-de-sac Street.

A cul-de-sac street shall only be used where the Community Development Director, Planning Commission, or City Engineer, as applicable, determines that environmental or topographical constraints, existing development patterns, or compliance with other applicable City requirements preclude a street extension. Where the City determines that a cul-de-sac is allowed, all of the following standards shall be met:

- a. The cul-de-sac shall not exceed a length of 400 feet and serve building sites for not more than 18 dwelling units, except where the Community Development Director, Planning Commission, or City Engineer, as applicable, determines, through a Class 1 Variance pursuant to procedures in Article 9, that topographic or other physical constraints of the site require a longer cul-de-sac; the length of the cul-de-sac shall be measured along the centerline of the roadway from the near side of the intersecting street to the farthest point of the cul-de-sac.
- b. The cul-de-sac shall terminate with a circular or hammer-head turnaround meeting the Uniform Fire Code and the roadway standards in the Transportation System Plan and Astoria Engineering Design Standards for roadways.
- c. The cul-de-sac shall provide a pedestrian and bicycle access way between it and adjacent developable lands. Such access ways shall conform to Section 3.010.B.5.

5. Access Ways.

The Community Development Director or Planning Commission, as applicable, in approving a land use application with conditions, may require a developer to provide an access way where the creation of a cul-de-sac or dead-end street is unavoidable and the access way connects the end of the street to another street, a park, or a public access way. Where an access way is required, it shall be not less than ten (10) feet wide and shall consist of a minimum six (6) foot wide paved surface or other all-weather surface approved by the Community Development Director or Planning Commission. Access ways shall be contained within a public right-of-way or public access easement.

6. Alleys.

When any lots or parcels are proposed for commercial or industrial usage, alleys of at least 20 feet in width may be required at the rear thereof with adequate ingress and egress for truck traffic unless alternative commitments

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for off-street service truck facilities without alleys are approved. Intersecting alleys shall not be permitted.

7. Future Street Plan.

Where a subdivision is proposed adjacent to other developable land, a future street plan shall be filed by the applicant in conjunction with an application for a subdivision.

(Section 3.015 added by Ordinance 14-03, 4-21-14)

3.020. ACCESSORY DWELLING UNITS.

A. Purpose.

The purpose of this Section is to promote more efficient use of large, older homes; provide more affordable housing; allow individuals and smaller households to retain large, older houses as residences; and maintain the single-family character of the house and neighborhood.

(Section 3.020.A amended by Ordinance 17-07, 4-17-17)

B. Standards.

1. Size.

a. Primary Structure.

A house with an Accessory Dwelling Unit must have at least 1,400 square feet of floor area prior to creation of the Accessory Dwelling Unit. The floor area of the garage or other non-living space, such as an unfinished basement, may not be used in the calculation of the total square footage.

(Section 3.020.B.1.a amended by Ordinance 17-07, 4-17-17)

b. Accessory Dwelling Unit.

An Accessory Dwelling Unit shall not exceed 40% of the primary structure or 800 square feet in size, whichever is smaller. Only one unit per single-family lot and per main dwelling is permitted.

(Section 3.020.B.1.b amended by Ordinance 17-07, 4-17-17)

2. Creation of the Unit.

- a. The Accessory Dwelling Unit may be created only through an internal conversion of an existing living area, basement, attic, other existing attached accessory buildings, such as a garage, or areas over attached or detached garages. Construction of new units are also permitted and can be built over new detached or attached garages or as separate detached units.

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(Section 3.020.B.2.a amended by Ordinance 17-07, 4-17-17)

- b. To differentiate an Accessory Dwelling Unit from a two-family dwelling, all utilities such as water, electric, or gas, shall remain as single service utilities. The Accessory Dwelling Unit shall not have its own utility services, except if the separate services existed prior to January 1, 2004. This does not apply to utilities providing service to communication devices such as telephone, television, and other communication devices.
- c. An Accessory Dwelling Unit shall be subordinate to the existing single-family dwelling and may not be subdivided or otherwise segregated in ownership from the primary residence structure.

3. Location of Entrances.

In addition to the main entrance, one entrance to the house may be located on the side or rear of the house. An additional entrance on the main dwelling shall not alter the appearance in such a way that the structure appears to be a two-family dwelling, unless the house contained additional front doors prior to the conversion. The location of the entrance to a detached unit can be anywhere if it is placed behind the main dwelling. In cases where the new ADU is placed in front of the main dwelling, the entrance shall not face the street. In cases where new units are placed on a corner lot, they shall be located on a side yard or rear of the lot.

(Section 3.020.B.3 amended by Ordinance 17-07, 4-17-17)

4. Zones in Which Permitted.

Accessory Dwelling Units are permitted outright or conditional as an accessory use to any existing single-family dwelling in all zones.

(Section 3.020.B.4 amended by Ordinance 17-07, 4-17-17)

5. Owner Occupancy.

- a. The property owner shall occupy either the principal unit or the Accessory Dwelling Unit as their permanent primary residence, and at no time receive rent for the owner-occupied unit.
- b. The property owner shall provide a covenant or deed restriction in a form acceptable to the City and suitable for recording with the County, providing notice to future owners of the subject lot that the existence of the Accessory Dwelling Unit is predicated upon the occupancy of either

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the Accessory Dwelling Unit or the principal dwelling unit by the property owner.

6. Lot Size.

A home with an Accessory Dwelling Unit in the R-1 Zone (Low Density Residential) shall be located on a minimum lot size of 5,000 square feet. There is no minimum lot size for other zones.

7. Off-Street Parking Requirements.

In addition to the two spaces required for the primary unit, the Accessory Dwelling Unit shall have one additional off-street parking space. If on street parking is available on a city street built to a city standard identified in the Transportation System Plan and has parking on both sides of the street, one space may be credited to the requirement of three total spaces.

(Section 3.020.B.7 amended by Ordinance 17-07, 4-17-17)

8. Height.

The height of new detached units shall not exceed 20 feet or 80% of the height of the main dwelling, whichever is less.

(Section 3.020.B.8 deleted and added by Ordinance 17-07, 4-17-17)

9. Homestay Lodging.

Homestay lodging is prohibited in accessory dwelling units created after May 17, 2017.

(Section 3.020.B.9 added by Ordinance 17-07, 4-17-17)

C. Permits.

1. Permit Required.

A Type I or Type III permit is required for the establishment of an Accessory Dwelling Unit. The property owner shall submit an application to the Community Development Department on a form provided by the City.

(Section 3.020.C.1 amended by Ordinance 17-07, 4-17-17)

2. Expiration of Permit.

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An Accessory Dwelling Unit permit shall automatically expire if any of the following occurs:

- a. The Accessory Dwelling Unit is substantially altered and is no longer in conformance with the plans as approved by the Astoria Planning Commission, Community Development Director, and/or the Building Official; or
- b. The subject lot ceases to provide the approved number of parking spaces; or
- c. The property owner ceases to reside in either the principal or the Accessory Dwelling Unit.

D. Non-conforming Accessory Dwelling Units.

1. The portion of a single-family dwelling or detached accessory structure which meets the definition of Accessory Dwelling Unit which was in existence prior to January 1, 2004, may continue in existence provided the following requirements are met:
 - a. An application for an Accessory Dwelling Unit is submitted to the Community Development Department for review.
 - b. The Accessory Dwelling Unit complies with the minimum requirements of the Building Codes as adopted by the City of Astoria.
 - c. The Accessory Dwelling Unit complies with the requirements of this Section 3.020 concerning "Accessory Dwelling Units".

(Section 3.020.D.1 amended by Ordinance 17-07, 4-17-17)

2. The Community Development Director may approve a permit submitted for a non-conforming unit that does not meet all of the above requirements, except those relative to building code requirements, as follows:
 - a. The permit review shall be in accordance with Article 9 concerning Type II administrative decisions. The Community Development Department shall notify property owners of record in accordance with 9.010 to 9.020 at least twenty (20) days prior to the issuance of a permit for a Non-conforming Accessory Dwelling Unit. The notice shall set forth the standards required and the nature of the non-conformity.

(Section 3.020.D.2 amended by Ordinance 17-07, 4-17-17)

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- b. Permits for a Non-conforming Accessory Dwelling Unit may be issued after the notice period by the Community Development Director where the Director has made written findings as follows:
 - 1) That full compliance would be impractical; and
 - 2) That neither present nor anticipated future use of the unit reasonably require strict or literal interpretation and enforcement of the requirements of this code; and
 - 3) That the granting of the permit will not create a safety hazard.
3. A decision of the Community Development Director may be appealed to the Planning Commission in accordance with 9.040.

(Section 3.020 Added by Ordinance 04-10, 11/1/04)

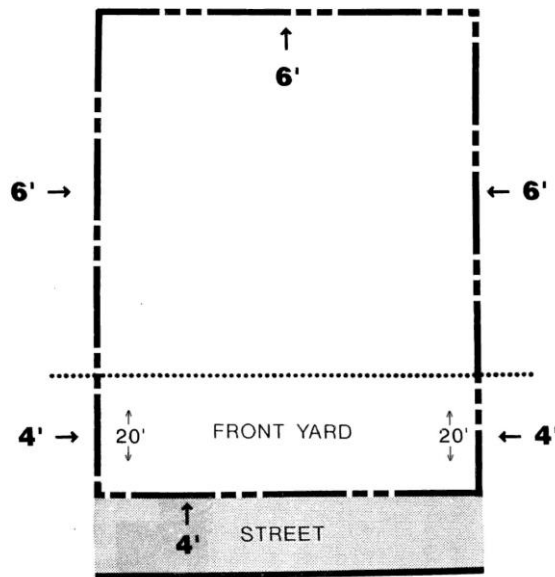
3.035. ACCESSORY STRUCTURES.

A. Fences, Walls, and Hedges.

1. Except as provided in City Code Section 6.100, fences, walls, or mature hedges not over 48 inches in height may occupy the required front yard of any lot, or the required side yard along the flanking street of a corner lot.

(Section 3.035.A.1 amended by Ordinance 14-03, 4-21-14)

2. Fences or hedges located back of the required front or flanking street side yard shall not exceed a height of six (6) feet.



B. Buildings.

Accessory buildings may be permitted in residential zones if they:

1. Do not extend into required setbacks with exception to the rear yard. Accessory structures may be located in the rear yard setback no closer than five (5) feet from the rear property line;
2. Do not exceed 14 feet in height;
3. Occupy no more than 2% of the total lot area;

3.045. CLEAR-VISION AREA.

Refer to Section 6.100 (Vision Clearance Area) of the City Code.

(Section 3.045 amended by Ordinance 14-03, 4-21-14)

3.070. EXCEPTIONS TO YARDS.

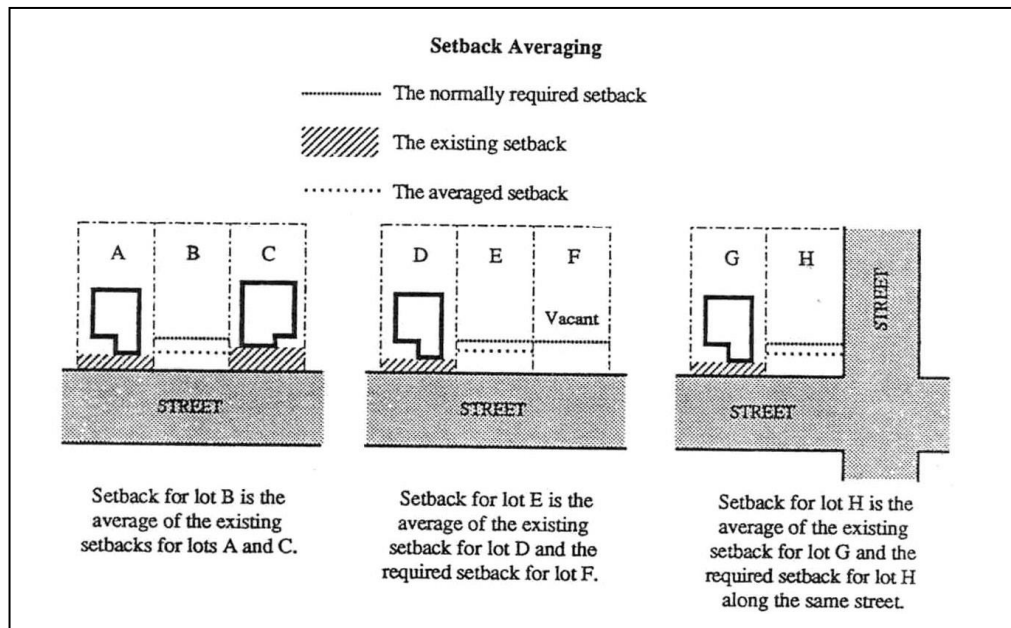
A. Projections From Buildings.

Cornices, eaves, canopies, gutters, chimneys, flues, and other similar architectural features shall not project more than 24 inches into a required yard.

B. Front Yard Exceptions.

The following exceptions to the front yard requirements are authorized for a lot in any zone:

1. If there are dwellings on both abutting lots with front yards of less than the required depth for the zone, the front yard of the lot may equal the average front yard of the abutting lots.
2. If there is a dwelling on one abutting lot with a front yard of less depth than the required depth for the zone, the front yard for the lot may equal a depth halfway between the depth of the abutting lot and the required front yard depth.



C. Structures Within Yards.

Decks, walkways or uncovered porches, 12 inches or less in height above grade, may be located within a required yard.

D. Portable accessory structure or object.

1. Except as provided in Section 3.045 of this Code, portable accessory structures or objects may be located in a rear yard or street-side yard setback provided all of the following are met:
 - a. Such structures or objects, with the exception of basketball hoops, shall be less than 10' in height. Basketball hoops shall be less than 20' in height; and
 - b. Shall be located no closer than five (5) feet from the property line; and
 - c. Shall have a footprint of less than 200 square feet.

(Section 3.070(D) added by Ordinance 01-05, 5-7-01)

3.075. EXCEPTION TO BUILDING HEIGHT LIMITATIONS.

- A. The features listed in this Section shall be exempt from the height limits established by the Code, provided the limitations indicated for each are observed.
 1. Mechanical equipment and appurtenances necessary to the operation or maintenance of the building or structure itself, including chimneys, ventilators, plumbing vent stack, cooling towers, water tanks, panel or devices for the collection of solar or wind energy, and the window-washing equipment, together with visual screening for any such features.
 2. Elevator, stair, and mechanical penthouses, fire towers, skylights, flag poles, aerials, and similar objects.
 3. Ornamental and symbolic features not exceeding 200 square feet in gross floor area including towers, spires, cupolas, belfries, and domes, where such features are not used for human occupancy.

(Section 3.075(A.3) amended by Ordinance 98-04, 5-4-98)

- B. The total area covered by these features shall not exceed 30% of the roof area on which they are located.

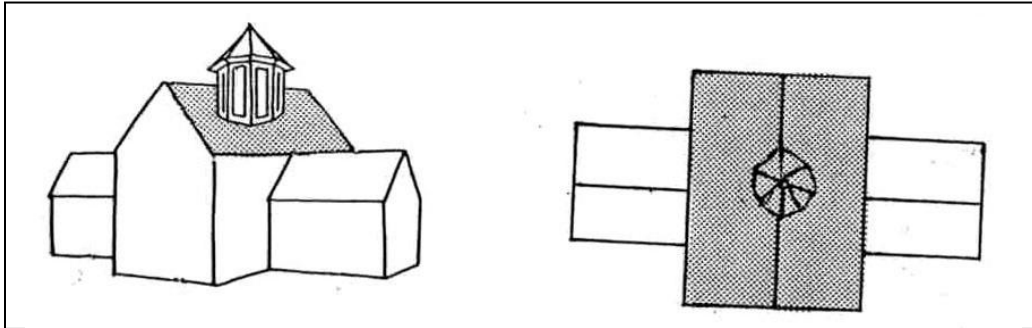


Figure 3.075(B)

(Section 3.075 amended by Ordinance 94-07, 7-18-94; Section 3.075(B) amended by Ordinance 98-04, 5-4-98)

3.090. COTTAGE CLUSTER DEVELOPMENT.

A. Purpose.

A cottage cluster development is a small cluster of dwelling units appropriately sized for smaller households and available as an alternative to the development of typical detached single-family and two-family homes on individual lots. Cottage cluster development is intended to address the changing composition of households, and the need for smaller, more diverse, and often, more affordable housing choices. Providing for a variety of housing types also encourages innovation and diversity in housing design and site development, while ensuring compatibility with surrounding single-family residential development.

B. Ownership and Parcelization.

Cottage cluster developments may be sited on one commonly owned parcel with individual cottages owned in a condominium, cooperative, or similar arrangement, or cottages may be on individual lots with shared amenities and facilities owned in common. Applicants must submit proof that a homeowner's association or other long-term management agreement will be established to ensure the maintenance of development elements in common ownership.

C. Review Procedures.

1. Applications for cottage cluster development on a single lot will be reviewed by the Community Development Director.

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2. Applications for cottage cluster development involving creation of multiple lots shall be reviewed in accordance with Article 13, Subdivision.

D. Standards.

Cottage cluster developments are subject to the following standards:

1. Density.

Cottages may be built up to the density established for cottage cluster development in the underlying zone.

2. Number of cottages.

A cottage cluster development is composed of four (4) to twelve (12) dwelling units.

3. Cottage design.

The cottages in a cottage cluster development are subject to the following standards:

- a. Maximum floor area.

The gross floor area of each cottage shall not exceed 1,250 square feet.

- b. Maximum footprint:

The footprint of each cottage unit shall not exceed 800 square feet, or 1,200 square feet including a garage. A communal garage or parking structure is permitted, and is not subject to the maximum footprint requirements for cottages.

- c. Average size.

The average size of all dwellings combined within a cottage cluster development will be less than 1,050 square feet.

- d. Maximum height.

The height of each cottage shall be the same as required by the underlying zoning and applicable overlay zoning.

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e. Placement.

If cottages differ in size, smaller cottages shall be located adjacent to or in closer proximity than larger cottages to the adjacent public street or River Trail to which the development is oriented.

f. Setbacks.

The setbacks from adjacent property lines along the perimeter of the cottage cluster development shall be the same as required by the underlying zone. The minimum distance between all structures, including accessory structures, shall be in accordance with building code requirements (at least six (6) feet spacing between buildings).

g. Private open space.

Each cottage may have private open space for the exclusive use of the cottage residents. Private open space does not count towards the required common open space.

h. Orientation of cottages.

Cottages shall be clustered around the common open space. Each cottage shall have a primary entrance and covered porch oriented to the common open space. All cottages shall be within 10 feet from the common open space, measured from the façade of the cottage to the nearest delineation of the common open space.

Lots in a cottage cluster development are not required to abut a public right-of-way, except that the parent parcel shall have frontage on a public right-of-way in accordance with Subsection D.8.a of this Section.

i. Common Open Space.

The design of the common open space shall not use unusable lot area or projections to meet the requirement for common open space.

Unusable lot area includes, but is not limited to, foundation landscaping, enlarged or enhanced parking strips or sidewalks, narrow strips of land, or small dead zones of the lot.

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j. Public street facing facades.

Cottages abutting a public right-of-way or River Trail shall have a secondary entrance or a porch, bay window, or other major architectural feature oriented to the public right-of-way or the River Trail. Garage or carport entrances may not face a public right-of-way or the River Trail.

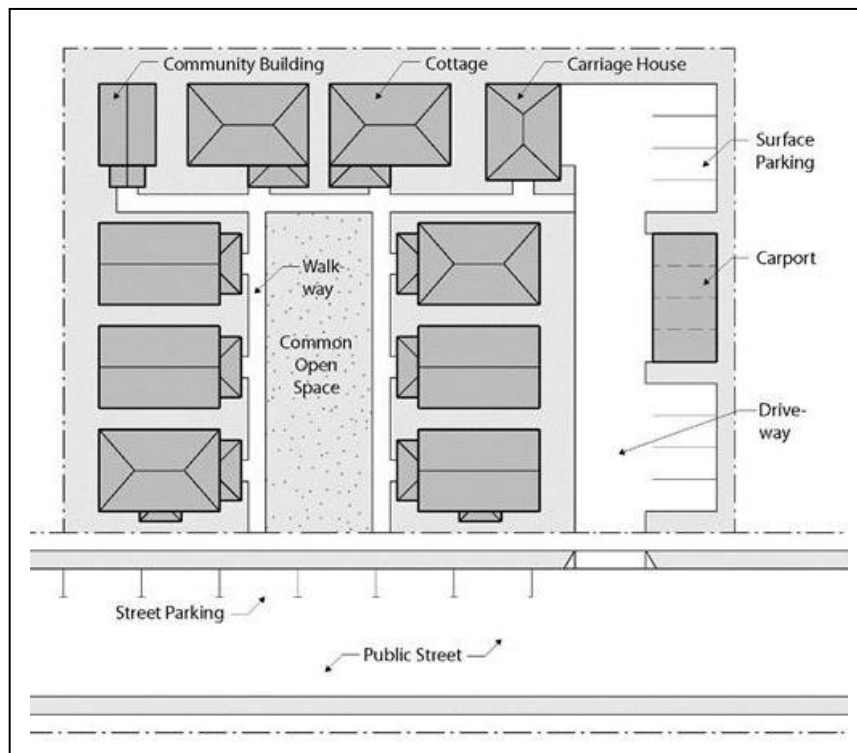
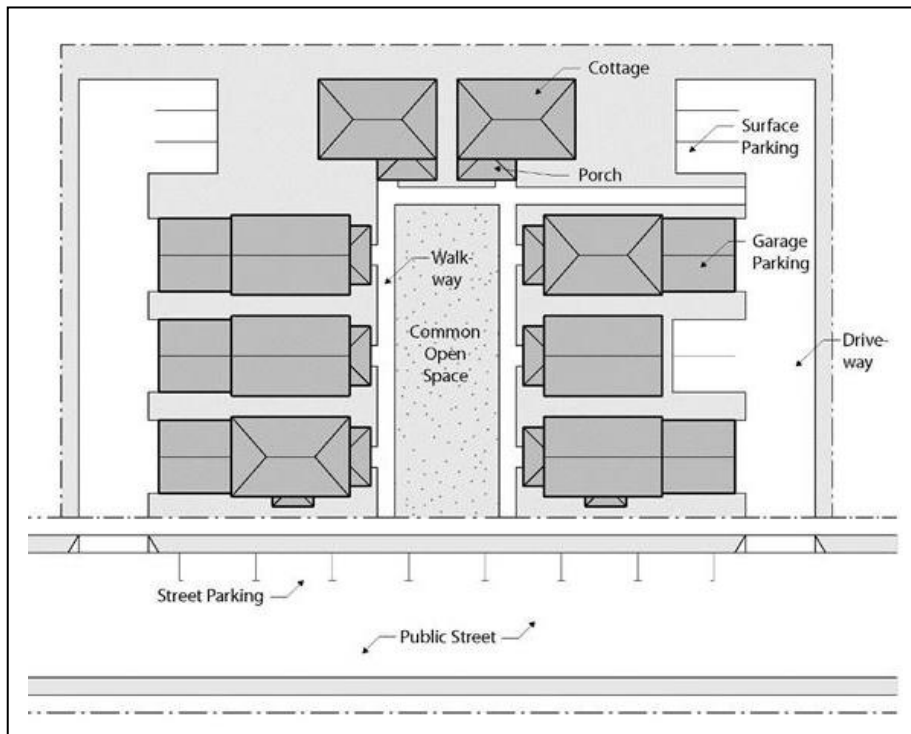
k. Porches.

Each cottage shall have a covered open porch that shall be oriented toward the common open space and that shall be at least six (6) feet in depth measured perpendicular to the abutting building facade and at least 60 square feet in area.

4. Community buildings.

Cottage cluster developments may include community buildings that provide space for accessory uses such as community meeting rooms, guest housing, exercise rooms, day care, or community eating areas. They shall have a footprint of no more than 800 square feet and may not exceed one story in height. Their design, including the roof lines, shall be similar to and compatible with that of the cottages within the cottage cluster development.

Figure 3.090-1: Cottage Cluster Development Layout
[Note: Two alternative layouts are included to illustrate key elements of the Cottage Cluster requirements.]



5. Common open space.

Cottage cluster developments shall have a common open space in order to provide a sense of openness and community of residents. Common open space is subject to the following standards:

- a. Each cottage cluster development shall contain a minimum 2,000 square feet of common open space regardless of the number of cottages in the cluster, and not less than 400 square feet of common open space per cottage.
- b. The common open space shall be in a single, contiguous, useable piece.
- c. Cottages shall abut the common open space on at least two sides of the open space.
- d. Parking areas, required yards, private open space, and driveways do not qualify as common open space.

7. Parking. Parking for a cottage cluster development is subject to the following standards:

- a. Minimum number of parking spaces.

Cottage cluster developments shall have at least one parking space for each unit with a gross floor area of 700 feet or less and 1.5 parking spaces for each unit with a gross floor area of 701 square feet or more (rounded up to the nearest whole number).

- b. Guest parking.

Cottage cluster developments shall have at least 0.5 additional guest parking spaces for each cottage in the development, rounded up to the nearest whole number. These spaces shall be clearly identified as being reserved for guests.

- c. Reduction in number of required parking spaces.

The required number of guest parking spaces may be reduced by the number of on-street parking spaces on public streets adjacent to and immediately abutting the cottage cluster development.

- d. Clustering and parking structures.

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Parking areas may be arranged in clusters limited to no more than five contiguous spaces. Clustered parking areas may be covered. Up to two (2) carriage house dwelling units are permitted on the second floor of a parking structure, with a maximum of one (1) carriage house dwelling unit per four (4) cottages (rounded to the nearest whole number). Parking structures may or may not be located on the same lot as the cottage they serve. Parking structures shall not be located within a common open space and are required to be screened from view from common open space areas.

e. Parking access.

Parking areas shall be accessed only by a private driveway or public alley. No parking space may access a public street directly. No parking space may be between a public street and cottages abutting the public street.

f. Design.

The design of garages, carports, and parking structures, including the roof lines, windows, and trim, shall be similar to and compatible with that of the cottages within the cottage cluster development.

g. Screening.

Landscaping or architectural screening at least three feet tall shall separate parking areas and parking structures from the common area and public streets. Solid fencing (e.g., board, cinder block) shall not be allowed as an architectural screen.

h. Location.

Parking can be grouped and located on a separate lot within 100 feet of an edge of the cottage cluster development.

8. Frontage, access, and walkways.

a. Frontage.

The parent parcel shall have frontage on a public street. If individual lots are created within the cluster development, each lot shall abut the common open space, but is not required to have public street frontage.

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b. Access.

No part of any structure shall be more than 150 feet, as measured by the shortest clear path on the ground, from fire department vehicle access, unless the building has a fire suppression system.

c. Walkways.

A cottage cluster development shall have sidewalks abutting all public streets. A system of interior walkways shall connect each cottage to the common open space, parking areas, private driveways, any community buildings, the sidewalks abutting any public streets bordering the cottage cluster development, and other pedestrian or shared use facilities such as the River Trail. Sidewalks abutting public streets shall meet the width requirements established in the Astoria Engineering Design Standards, and interior walkways shall be at least four (4) feet in width.

9. Interior fences.

Fences on the interior of the cottage cluster development shall not exceed three (3) feet in height and shall not consist of solid (e.g., board, cinder block) fencing.

10. Existing structures.

On a lot or parcel to be used for a cottage cluster development, an existing detached single-family dwelling that may be nonconforming with respect to the requirements of this section may remain, but the extent of its non-conformity may not be increased. Such dwellings shall count towards the number of cottages allowed in the cottage cluster development.

F. Conflicts.

In the event of a conflict between this Section and other Sections of the Astoria Development Code, this Section shall control.

(Section 3.090 added by Ord 14-09, 10-6-14)

3.095. HOME OCCUPATIONS.

Home occupations are permitted in residential zones in order to provide for low-impact businesses which the owners or residents can operate within the dwelling, or in an adjacent structure. The regulations are intended to ensure that the occupation will not be a detriment to the surrounding neighborhood and that it will be subordinate to the main use of the property.

A. Class A.

A Class A home occupation is one where the residents use their home as a place of work, with no employees, and with only an occasional customer coming to the site. Examples include artists, crafts people, writers and consultants. Class A home occupations also provide an opportunity for a home to be used as a business address but not as a place of work. A Class A business is only conducted within the dwelling itself, and not in accessory structures.

B. Class B.

1. A Class B home occupation is one where one of the following factors occur:
 - a. Customers come to the home; or
 - b. One non-resident is employed; or
 - c. The home occupation is conducted in an adjacent structure.

Examples include counseling, hair styling, woodworking, and contract construction.

2. The Community Development Department shall notify property owners of record in accordance with 9.010 to 9.020 at least twenty (20) days prior to the issuance of a permit for a Class B Home Occupation. The notice shall set forth the standards required, the type of business and hours of operation, and the expected number of trips to be generated at the site on a daily basis.
3. Permits for a Class B Home Occupation may be issued after the notice period by the Community Development Director where the Director has determined that the Home Occupation standards have been met.
4. A decision of the Community Development Director may be appealed to the Planning Commission in accordance with 9.040.

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- C. The following standards shall be applicable to both Class A and Class B Home Occupations:
1. Clients or customers may visit the site only between the hours of 7:00 a.m. to 6:00 p.m.
 2. Retail sales of goods on site must be entirely accessory to any services provided on the site.
 3. On-site repair or assembly of vehicles or equipment with internal combustion engines (such as autos, chain saws, boat engines) or of large equipment (such as home appliances) is prohibited.
 4. Dispatch centers or headquarters where employees come to the site and are dispatched to other locations are prohibited.
 5. More than one Class B home occupation is not allowed in one residence.
 6. Signs shall be in accordance with Article 8.
 7. All activities must be indoors. Exterior storage or display of goods is prohibited.
 8. Outdoor storage of associated solid waste is limited to an area of 100 square feet and must be screened from view with fencing or vegetation.
 9. Noise, odor, vibration, lighting glare, dust and other nuisances shall be contained on site. Hazardous substances are prohibited, except at the consumer commodity level.
 10. No more than one truck, associated with the home occupation, may be parked at the site. Parking must be off-street. The maximum size of the truck allowed on site is a one ton truck. Extended or prolonged idling of vehicles, or maintenance or repair of vehicles on adjacent streets is prohibited.
 11. Truck deliveries or pick-ups of supplies or products associated with business activities, are allowed at the home only between 7:00 a.m. and 6:00 p.m. Delivery vehicles are limited to 20,000 pounds gross vehicle weight.
 12. The dwelling and site must remain residential in appearance and character. Internal or external changes which will make the dwelling appear less residential in nature or function are prohibited. Examples of such prohibited alterations include construction of parking lots, paving of required setbacks, or adding commercial-like exterior lighting.

3.105. LANDSCAPING.

A. Purpose.

The purpose and intent of this section is to enhance the appearance of the City by requiring landscaping as part of commercial developments, including parking areas. These developments shall include all uses except those associated with single-family and two-family dwelling.

3.110. LANDSCAPING REQUIRED.

At the time a building permit is requested for new construction, or for remodeling with a value of at least 33% of the assessed value of the structure, or in the event of a change of use or installation of new parking areas, the property shall come into compliance with the landscape requirements and a landscaping plan shall be submitted to the Community Development Director. Such landscaping plan may also be used as a site or plot plan for the development, provided all information necessary for the site or plot plan is provided. The plan shall be of sufficient scale to show existing and proposed features, proposed materials, contours (where appropriate) and other features.

3.115. REVIEW OF LANDSCAPING PLANS.

The landscaping plan shall be reviewed by the Community Development Director to determine if it meets the quantitative requirements of the Code. Landscaping in conjunction with Uses Permitted Outright may be approved by the Community Development Director. Landscaping in conjunction with Conditional Uses shall be reviewed by the Planning Commission as part of the review under Section 11.010. In such cases, the Planning Commission may review schematic plans and the final plans may be reviewed by the Community Development Director. No Certificate of Occupancy or other final approval shall be issued by the building official or the City until the landscaping is installed as specified by the Planning Commission or Community Development Director. Minor changes in the landscape plan may be allowed by the Community Development Director, so long as they do not alter the overall character of the development.

3.120. LANDSCAPING REQUIREMENTS.

A. Specific requirements governing the placement and maintenance of landscape materials are as follows:

1. Landscape plant materials shall be installed to insure health and survivability.
2. Landscape plant materials will be properly guyed and staked so as to not interfere with vehicular or pedestrian traffic.

3. Deciduous trees shall have a minimum caliper of one and one half (1.5) inches, and a minimum height of eight (8) feet at the time of planting, unless it is determined by the Community Development Director that a lesser caliper will provide the bulk and scale necessary to substantially cover the landscaped area.
4. Evergreen trees shall be a minimum of six (6) feet in height, fully branched, at the time of planting.
5. Shrubs shall be supplied in one (1) gallon containers minimum, or eight (8) inch burlap balls with a minimum spread of 12 inches.
6. Ground cover plantings shall be planted on a maximum of 18 inches on center and 18 inches between rows. Rows of plantings shall be staggered for a more effective covering. Ground cover shall be supplied in a minimum four (4) inch size container or a two and one quarter (2.25) inch size if planted on 12 inch centers.
7. Planting areas shall be designed to separate parking lots from the sidewalk and street and shall contain a mixture of trees and shrubs, except where the presence of chairwalls or public utilities makes the planting infeasible, as determined by the City Engineer, in which case concrete, stone, or other manufactured containers may be used.
8. Parking areas with 20 spaces or more shall have a minimum of one landscaping divider per ten (10) parking spaces. Each ten (10) parking spaces shall be bordered by a landscaped area. Such area shall consist of a curbed planter of at least three (3) feet by 16 feet, or at least 48 square feet. Each planter shall contain at least one (1) tree, along with hedge or shrub material.
9. For new construction, parking areas shall be separated from the exterior wall of a structure, exclusive of paved pedestrian entranceways or loading areas, by a strip of landscaping material. All planting areas shall be protected by the use of concrete bumper blocks affixed to the paving.
10. Existing trees may be used as required landscaping. To the extent possible and practicable, required landscaping shall be within reasonable view from an improved City right-of-way.
11. All landscaping shall be maintained and kept free from trash, noxious growth, and weeds. Unkempt landscaped areas shall be considered a nuisance and shall be enforced under the applicable City code.

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12. Seating areas and street furniture shall be considered part of the landscaping requirement, and shall be encouraged by the Community Development Department.
13. Up to 50% of the landscaping requirement may be satisfied by the use of City right-of-ways for landscaping, as approved by the City Engineer. The property owner shall be responsible for the maintenance of such landscaping. (See City Code 2.350 through 2.353.)
14. Public safety should be considered in landscape designs.

(Section 3.120(A.14) added by Ordinance 98-04, 5-4-98)

3.125. NATIVE PLANTS.

The following shall apply to landscaping within the Riverfront Vision Plan Overlay Area Zones.

A. Use of Native Plants.

Landscaping shall consist of native plants from the list of recommended native trees, shrubs, grasses and groundcover listed in Section 3.125(B), or that are otherwise determined to be native plants in documents such as the following: *Flora of the Pacific Northwest* (1973) by Hitchcock & Conquist; *Gardening with Oregon Native Plants, West of the Cascades* (2008) by Oregon State University Extension Service; or a comparable document recommended by the City staff will be the reference for determining other native plants.

The Community Development Director, or designee, may approve plants that are not native if it is determined that the plant better addresses environmental constraints, habitat value, transparency, height, resilience, and maintenance needs.

B. Recommended List of Native Plants.

The following is a list of recommended native plants for use in the Astoria riverfront areas.

1. Trees
 - a. Native Trees
 - Acer circunatum* - Vine Maple
 - Alnus rubra* - Red Alder
 - Amelanchier grandiflora* - Serviceberry
 - Malus fusca* - Western Crabapple
 - Pinus contorta* – Shore Pine

Rhamnus purshiana – Cascara

- b. Street Trees - 15 feet diameter

Acer rubrum - Bowhall, R. Columnare

Fagus fastigiata - Dawyck Purple Beech

- c. Trees for parking lots and other uses

Acer palmatum - Japanese maple varieties

Arbutus unedo - Strawberry Tree

Prunus serrulata - Kwanzan, Mt. Fuji, Shirofugen var.

Fraxinus pennsylvanica 'Patmore' - Raywood ash

2. Shrubs

- a. Native Shrubs

Arbutus menziesii - madrone

Cornus sericea ssp. *sericea* - Red-osier Dogwood

Gaultheria shallon - salal

Oemleria cerasiformis - Indian Plum

Malus fusca - Western Crabapple

Myrica pacifica – Wax myrtle

Physocarpus capitatus - Pacific Ninebark

Prunus virginiana - Common Chokecherry

Ribes lobbii - Pioneer Gooseberry

Ribes sanguineum - Red Currant

Rosa gymnocarpa - Baldhip Rose

Rosa nutkana - Nootka Rose

Salix fluviatilis - Columbia River Willow

Salix hookeriana – Hookers Willow

Salix sessilifolia - Soft-leafed Willow

Salix sitchensis - Sitka Willow

Sambucus cerulea - Blue Elderberry

Sambucus racemosa - Red Elderberry

Spiraea douglasii - Douglas' Spirea

Symphoricarpos albus - Common Snowberry

- b. Non-native shrubs – widely used ornamentals with many varieties in each of the following plant groups

Barberry

Ceanothus

Cistus

Chaenomeles (Flowering quince)
Escallonia
Euonymus
Fuschia (hardy)
Laurel – ‘Schipka’
Rhododendron
Rosa rugosa
Salix purpurea – Alaska blue willow
Syringa vulgaris - Lilac
Viburnum (Hydrangea, etc)

3. Herbaceous Perennials, Grasses and Groundcover Plants

a. Natives

Adiantum pedatum - Northern Maidenhair Fern
Alopecurus geniculatus - Water Foxtail
Aquilegia formosa - Red Columbine
Angelica arguta - Sharptooth Angelica
Arnica amplexicaulis var. piperi - Clasping Arnica
Aruncus sylvestris - Goatsbeard
Aster Aruncus subspicatus - Douglas’ Aster
Athyrium filix-femina - Lady Fern
Blechnum spicant - Deer Fern
Boykinia occidentalis - Slender Boykinia
Cardamine oligosperma - Little Western Bittergrass
Carex deweyana ssp. leptopoda - Dewey’s Sedge
Carex unilateralis - One-sided Sedge
Chrysosplenium glechomaefolium - Pacific Water-carpet
Claytonia perfoliata or *Montia perfoliata* - Miner’s Lettuce
Corydalis scouleri - Western Corydalis
Cyperus aristatus - Awned flatsedge
Cyperus erythrorhizos - Red-Rooted flatsedge
Cyperus strigosus - Straw-colored flatsedge
Dicentra formosa - Pacific Bleedingheart
Dicentra formosa ssp. oregana - Oregon Bleeding Heart
Epilobium ciliatum spp. glandulosum - Common Willow-reed
Epilobium ciliatum spp. watsonii - Watson’s Willow-reed
Festuca occidentalis - Western Fescue-grass
Festuca subuliflora - Coast Range Fescue-grass
Festuca subulata - Bearded Fescue-grass
Fragaria vesca var. bracteata - Wood Strawberry
Fragaria vesca var. crinita - Wood Strawberry
Galium trifidum - Small Bedstraw
Gentianella amerella spp. acuta - Northern Gentian

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Geum macrophyllum - Oregon Avens
Heracleum lanatum - Cow-parsnip
Heuchera glabra - Smooth Alumroot
Heuchera micrantha - Smallflowered Alumroot
Juncus ensifolius - Dagger-leaf Rush
Lupinus rivularis - Stream Lupine
Mertensia platyphylla - Western Bluebells
Mitella pentandra - Five-stamened Mitrewort
Montia sibirica - Candy Flower
Oxalis trilliifolia - Trillium-leaved Wood-sorrel
Polypodium glycyrrhiza - Licorice Fern
Polystichum munitum - Sword Fern
Pteridium aquilinum - Bracken Fern
Pyrola asarifolia - Wintergreen
Scirpus cyperinus - Woolly Sedge
Streptopus amplexifolius - Clasping-leaved Twisted-stalk
Tellima grandiflora - Fringecup
Thalictrum occidentale - Western Meadowrue
Tiarella trifoliata - Laceflower Trillium
Vancouveria hexandra - White Inside-out Flower
Viola glabella - Stream Violet

b. Non-native ornamentals

Alchemilla mollis – Lady’s mantle
Aquilegia - Columbine
Ajuga
Cranesbill geraniums
Digitalis – foxglove
Helebore
Heuchera – coral bells
Hosta
Lavandula - Lavender
Rosmarinus officinalis - Rosemary
Sedums
Thalictrum – meadow rue

(Section 3.120.B moved from 14.075.B and added by Ord. 15-03, 6-15-15)

3.130. MAINTENANCE OF PUBLIC ACCESS TO THE WATER.

A. Vacations.

The Planning Commission shall review under ORS 271.080 through 271.230, proposals for the vacation of public easements or rights-of-way which provide access to or along estuarine waters.

B. Sale, Exchange or Transfer of Ownership.

The Planning Commission shall review under the provisions of ORS 271.300 through ORS 271.360, proposals for the sale, exchange or transfer of public ownership which provides access to estuarine waters.

C. Existing Public Ownership.

Existing public ownerships, rights-of-way and similar public easements which provide access to or along estuarine waters shall be retained or replaced if they are sold, exchanged or transferred. Rights-of-way may be vacated to permit redevelopment of existing developed shoreland areas provided public access across the affected site is retained.

3.140. MANUFACTURED HOME ON INDIVIDUAL LOT.

A. A manufactured home shall be permitted on individual lots in all residential zones, subject to the following standards:

1. The manufactured home shall be a multi-sectional, no less than 28 feet in width and enclose a floor area of not less than 1,000 square feet.
2. The manufactured home shall be placed on an excavated and backfilled foundation and enclosed at the perimeter such that the manufactured home is not more than 12 inches above grade. The perimeter of the foundation shall be skirted with concrete block or masonry.
3. The manufactured home shall have a roof pitch of a minimum of three (3) feet in height for each 12 feet in width.
4. The manufactured home shall have exterior siding and roofing which in color, material and appearance is similar to the exterior siding and roofing material commonly used on residential dwellings within the community or which is comparable to the predominant materials used on surrounding dwellings as determined by the Community Development Director.

5. The manufactured home shall be certified by the manufacturer to have an exterior thermal envelope meeting the performance standards required of single-family dwelling construction under the State Building Code, as defined in ORS 455.010.
6. The manufactured home shall have a garage or carport with minimum dimensions of 14' x 20'. The structure shall be sided and roofed to match the manufactured home. Carports shall be designed to include an enclosed storage area as an integral part of the structure.
7. Manufactured homes shall be prohibited within, or adjacent to, or across a public right-of-way from a historic district, or adjacent to or across a public right-of-way from a historic landmark, or structure identified as Primary or Secondary.

3.150. MICROWAVE RECEIVING DISH.

- A. The following standards shall be applicable to all microwave receiving dishes larger than 18 inches in diameter.

1. Residential Zones.

All private microwave receiving dishes in residential zones shall be located in the rear yard, no closer than five (5) feet from any rear or side lot line, and shall be screened by sight obscuring fences and/or dense landscape buffers, and shall be mounted as close to existing grade level as possible. In residential zones, no microwave receiving dishes shall be mounted on the roofs of structures.

(Section 3.150(A.1) renumbered by Ordinance 95-03, 1-5-95)

2. Non-Residential Zones.

All microwave receiving dishes in other than residential zones shall be reviewed and approved by the Community Development Director to ensure they have minimal visual impact.

If the Community Development Director believes that substantial issues are involved, the Director may schedule a public hearing in accordance with the procedures specified in Article 9.

(Section 3.150(A.2) renumbered by Ordinance 95-03, 1-5-95)

3. Permits.

No microwave receiving dish shall be installed until a permit has been obtained from the Community Development Department.

(Section 3.150 amended by Ordinance 95-03, 1-5-95; Section 3.150(A.3) added by Ordinance 95-03, 1-5-95)

3.155. MULTI-FAMILY DWELLING.

A. Before a multi-family dwelling is approved as a conditional use, findings will be made that the use will comply with the following standards:

1. Vehicular entrances and exits will be routed onto an existing or planned improved public street.

(Section 3.155(A.1) amended by Ordinance 95-05 passed 2-6-95)

2. Parking lots will be designed in such a manner that they are buffered from surrounding residences with landscaping, berms or fencing.

(Section 3.155 renumbered by Ordinance 95-05, 2-6-95; Section 3.155(B) deleted by Ordinance 95-05, 2-6-95)

3.160. NONCONFORMING LOTS, USES & STRUCTURES.

A. Purpose.

Within the zones established under this Code, there exist lots, structures and uses of land and structures which were lawful before this Code was passed or amended, but which no longer conform to the provisions of this Code. It is the intent of this Section to establish requirements that govern the future use of such nonconformities.

3.170. NONCONFORMING LOTS.

If a lot or the aggregate of contiguous lots held in a single ownership, as recorded in the Office of the County Clerk prior to January 1, 1982, has an area or dimension which does not meet the lot size requirements of the zone in which the property is located, the lot or the aggregate of contiguous lots may be occupied by a use permitted in the zone, subject to the other requirements of the zone, provided that, if there is an area deficiency, residential use shall be limited to a single-family dwelling.

3.180. NONCONFORMING USES.

A. Expansion of a Nonconforming Use.

The expansion of a nonconforming use to a portion of a structure that was provided for the nonconforming use shall be permitted. When the expansion is to a portion of a structure that was not provided for the nonconforming use, or when new construction is involved, expansion may be permitted as follows:

1. The Community Development Director may permit up to a 10% expansion of a nonconforming use where it is determined that there will be minimal impact on adjacent uses, in accordance with the procedures in Article 9. If the Community Development Director believes that substantial issues are involved, the Director may schedule a public hearing before the Planning Commission in accordance with procedures in Article 12.
2. The Planning Commission may permit an expansion of a nonconforming use in excess of 10%, in accordance with procedures in Article 12.

B. Change of Nonconforming Use.

A nonconforming use may be changed to a conforming use. However, after a nonconforming use is changed to a conforming use, it shall thereafter not be changed to a use that does not conform to the use zone in which it is located.

C. Discontinuance of Nonconforming Use.

1. If a nonconforming use involving a structure is discontinued for a period of one (1) year, further use of the property shall conform to this Code.
2. If a nonconforming use not involving a structure is discontinued for a period of six (6) months, further use of the property shall conform to this Code.

D. Reestablishment of Existing Non-Conforming Uses in Overwater Buildings

Nonconforming uses in overwater buildings located between 16th and 41st Street within the Civic Greenway Overlay Area existing prior to 2013, and between 41st and approximately 54th Street within the Neighborhood Greenway Overlay Area existing prior to 2015 may be reestablished if the building housing the use is unintentionally destroyed by any means to an extent exceeding 80% of its fair market value as indicated in Section 3.190.D, provided the reconstruction of the building complies with the standards in Section 3.190.F and reestablishment of the use occurs within one year of the completion of construction. Completion of construction shall be determined by issuance of a temporary and/or final Certificate of Occupancy from the Building Official.

(Section 3.180.D added by Ord 14-09, 10-6-14; amended by Ord 15-09, 12-7-2015)

3.190. NONCONFORMING STRUCTURES.

A. Existing Nonconforming Structure.

Where a lawful structure exists that could no longer be built under the terms of this Code by reason of restrictions or area, lot coverage, height, yards, its location on the lot, or other requirements concerning the structure, such structure may continue so long as it remains otherwise lawful.

B. Expansion of a Nonconforming Structure.

1. The Community Development Director may permit up to a 10% expansion of a nonconforming structure where it is determined that there will be minimal impact on adjacent uses, in accordance with procedures in Article 9. If the Community Development Director believes that substantial issues are involved, the Director may schedule a public hearing before the Planning Commission in accordance with procedures in Article 12.
2. The Planning Commission may permit an expansion of a nonconforming structure in excess of 10%, in accordance with procedures in Article 12.

C. Change of Nonconforming Structure.

A nonconforming structure may be enlarged or altered in a way that does not increase its nonconformity. Any structure or portion thereof may be altered to decrease its nonconformity.

D. Destruction of Nonconforming Structure.

If a nonconforming structure or nonconforming portion of a structure is destroyed by any means to an extent amounting to 80% of its fair market value as indicated by the records of the County Assessor, it shall not be reconstructed except in conformity with the provisions of this Code.

E. Reconstruction of Nonconforming Single-Family Dwelling.

Existing nonconforming single-family dwellings may be rebuilt in any zone if unintentionally destroyed by any means to an extent exceeding 80% of its fair market value as indicated in Section 3.190(D), provided the reconstruction of the dwelling complies with the following standards:

1. The dwelling shall be rebuilt on the same location on the lot, or in compliance with the setback standards for the underlying zone. This does not allow any construction beyond the property lines; and
2. The square footage of the replacement structure does not exceed the square footage of the original structure by more than 10%; and
3. The height of the building shall comply with the maximum height for the underlying zone; and
4. If the property is within an area subject to architectural design review standards, the design of the replacement structure shall comply with those architectural standards; and
5. The off-street parking spaces shall not be reduced from the number provided prior to the destruction of the dwelling; and
6. Substantial construction of the dwelling shall begin within two years of the date of destruction; and
7. All other City and Building Codes relative to construction, including but not limited to, geologic concerns, stormwater management, grading, driveways, sidewalks, etc. shall apply.

(Section 3.190.E. added by Ordinance 09-04, dated October 5, 2009.)

F. Reconstruction of Existing Non-Conforming Overwater Buildings.

Nonconforming overwater buildings located between 16th and 41st Street within the Civic Greenway Overlay Area existing prior to 2013, and between 41st and approximately 54th Street in the Neighborhood Greenway Overlay Area existing prior to 2015 may be rebuilt if unintentionally destroyed by any means to an extent exceeding 80% of its fair market value as indicated in Section 3.190.D, provided the reconstruction of the building complies with the following standards:

1. The building shall be rebuilt on the same location on the lot, or in compliance with the setback standards for the underlying zone. This does not allow any construction beyond the property lines; and
2. The square footage of the replacement structure and/or replacement uses does not exceed the square footage of the original structure and use classifications by more than 10%; and
3. The height of the building shall be the same or less than the existing building height prior to destruction; and

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4. If the property is within an area subject to architectural design review standards, the design of the replacement structure shall comply with those architectural standards; and
5. Substantial construction of the building shall begin within two years of the date of destruction, unless an extension has been granted in accordance with Section 9.100; and
6. All other City and Building Codes relative to construction, including but not limited to, geologic concerns, stormwater management, grading, driveways, sidewalks, etc. shall apply.

(Section 3.190.F added by Ord 14-09, 10-6-14; amended by Ord 15-09, 12-7-2015)

3.200. PRIOR APPROVAL OF NONCONFORMING LOTS, USES & STRUCTURES.

Nothing contained in this Code shall require any change in the plans, construction, alteration or designated use of a structure for which a legal permit has been issued by the City and construction has begun, provided the structure, if nonconforming, or intended for a nonconforming use, is completed and is used within two years from the time the permit was issued.

3.210. OFF-STREET SALES AND STORAGE LOTS.

A. Requirements.

1. Permanent off-street sales and storage lots shall be paved with asphalt, concrete or other hard surface approved by the City Engineer.
2. Proper drainage will be installed and proper ingress and egress established as specified by the City Engineer.
3. When said lot is adjacent to a residential zone, a visual buffer consisting of a planting screen or fence shall be established and maintained to lessen the visual impact on the residential property.
4. Security or display lighting shall not encroach on abutting or nearby residential property.

3.230. RESTAURANT AS AN ACCESSORY USE TO AN INN.

Before a restaurant as an accessory use to an inn is approved as a conditional use, findings will be made that the use will comply with the following standards:

A. Maximum Seating.

The restaurant shall contain no more than 24 seats.

Hours of Operation.

The restaurant shall be open no more than five (5) nights per week, and shall not seat guests after 9:00 p.m.

C. Storage Areas.

Storage of solid waste, oil and similar containers shall be well covered, screened and kept from view from adjacent residences.

D. Additional Structure.

The restaurant shall be an integral part of the inn. No freestanding structure or addition may be constructed in order to house the restaurant.

E. Impacts.

The restaurant shall have no adverse impacts on the surrounding neighborhood in terms of signage, impacts on views, or removal of landscaping integral to the character of the neighborhood.

3.240. TEMPORARY USE PROVISIONS.

Temporary Uses are those which involve minimal capital investment, and which comply with the following standards:

A. Duration of Permits.

1. Time Limit.

A temporary use permit shall expire one year from the date of Final Decision unless an extension has been granted.

2. Permit Extensions.

Prior to permit expiration, the applicant may request extensions in accordance with Section 9.100(B.2.a & b) and 9.100(B.3 & 4). A permit remains valid, if a timely request for extension has been filed, until an extension is granted or denied.

(Section 3.240.A, amended by Ordinance 10-06, 4-19-10)

B. Security.

The Planning Commission may require that the applicant furnish the City with a performance bond or other negotiable instrument up to, and not to exceed, the value of the improvements or the cost of removal of the improvements, whichever is greater. This requirement may be made in order to assure that any conditions imposed are completed in accordance with the plans and specifications as approved by the Planning Commission, and the standards established in granting the use.

C. *(Section 3.240.C, deleted by Ordinance 10-06, 4-19-10)*

EROSION CONTROL AND STORMWATER MANAGEMENT

3.300. **REGULATION OF EROSION CONTROL AND STORMWATER MANAGEMENT.**

A. Purpose.

The purpose of this ordinance is to:

1. Minimize impacts associated with excavation and grading,
2. Minimize the erosion of land during clearing, excavation, grading, construction and post-construction activities,
3. Prevent the transport of sediment and other soil borne pollutants into the Columbia River estuary and its tributaries, wetlands and riparian areas,
4. Prevent the transport of sediment onto adjacent property and into City rights of way and storm systems,
5. Prevent the unnecessary clearing, excavation, and stripping of land; and
6. To reduce the amount of soil exposure during construction.

B. Definitions.

The following definitions shall apply for this ordinance:

Clearing: Any activity that removes vegetative cover while leaving the root system intact.

Erosion: Movement of soil by water or wind.

Excavation: Removal of topsoil, gravel, sand, rock or any other type of soil material.

Fill: Placement of topsoil, gravel, sand, rock or any other type of soil material.

Fill, Structural: Fill that is intended to support structures.

Grading: Any combination of excavation and/or fill activities.

Regulated Activities: The clearing, grading, excavation, filling, or stripping of land, and post construction activities.

Sedimentation: Deposition of soil moved by water or wind from its site of origin.

Stripping: Removal of vegetation and roots.

Tracking: Movement of soil from a disturbed area onto streets, sidewalks, or adjacent property by vehicle tracks or tires.

Undeveloped Site: A lot or parcel of land with no permanent structure such as a dwelling or commercial building or other permanent man made structure.

(Section 3.300 added by Ordinance 04-08, 10-4-04)

3.305. PERMITS.

A. Permit Required.

Persons proposing to clear, grade, excavate, strip, or fill land (regulated activities) shall obtain a permit before commencing any of the following activities unless exempted elsewhere by this ordinance:

1. Any proposed clearing, grading, filling, stripping, or excavating (regulated activity) within 100 feet of a river, bay, stream, watercourse or wetland; or
2. Any proposed regulated activity located more than one hundred feet from a river, bay, stream, watercourse or wetland that exceeds an area of 2,000 square feet; or
3. Any proposed clearing, grading, filling, stripping, or excavating (regulated activity) within 100 feet of a known geologic hazard as indicated on the City's "Areas of High Water and Past Slides" map; or
4. Any proposed clearing, grading, filling, stripping, or excavating (regulated activity) if any portion of the site has a slope of 35% or greater; or
5. The proposed cumulative volume of excavation and fill exceeds ten cubic yards in a 12 month period; or
6. Excavation or fill in excess of one (1) foot deep.

B. Permits in Conjunction with Building Permits.

A grading permit for regulated activities in conjunction with a structure requiring a building permit shall be reviewed and issued as part of the City's building permit process using the standards herein.

C. Permits in Conjunction with a Partition or Subdivision.

A grading permit for regulated activities in conjunction with a partition or subdivision shall be reviewed and issued in conjunction with the partition or subdivision process using the standards herein. New subdivisions or housing developments should cause minimal earth disturbance and removal of trees.

D. Exceptions.

The following activities are exempted from the requirements of this ordinance:

1. Residential landscaping and gardening activities up to 1,000 square feet;
2. Forest management activities in an area zoned Land Reserve (LR) for forest management.
3. Utility construction by public or private utility agencies, involving less than 20 cubic yards of excavation or fill.
4. Emergency repair work by a utility agency. After the emergency repairs are completed, the site shall be subject to the requirements of this ordinance.

E. Permit Review and Approval.

Permits shall be obtained from the Engineering Department. All permits shall be reviewed and approved by both the Engineering Department and Community Development Department for compliance with this Ordinance and other City codes and building codes.

F. Permit Fees.

Permit fees shall be established by City Resolution.

(Section 3.305 added by Ordinance 04-08, 10-4-04)

3.310. INFORMATION REQUIRED.

The following information is required for permits:

A. Site Plan.

A site plan, drawn to an appropriate scale with sufficient dimensions, showing the property line locations, roads, areas where clearing, grading, excavating, stripping, or

(Adopted 10-8-92)

filling is to occur, the area where existing vegetative cover will be retained, the location of any springs, streams or wetland areas on or immediately adjacent to the property, the general direction of slopes with slope arrows showing direction of water flow on existing slopes and graded slopes, construction access, the location of the proposed development, and the location of soil stock piles, if any.

B. Erosion Control Methods.

The type and location of proposed erosion and sedimentation control measures, both short term and post construction.

C. Stormwater Management Methods.

The type and location of proposed stormwater management from roofs, parking and other impervious surfaces. Stormwater calculations prepared by a Registered Professional Engineer may be required by the City Engineer as part of the permit application.

D. Grading Plan in Steep Areas.

The City shall require a grading plan prepared by a Registered Professional Engineer and/or Registered Engineering Geologist where the disturbed area has an average slope of 35% or greater, the disturbed area is located in known geologic hazard area, or is part of a partition or subdivision. Such grading plan shall, at a minimum, include the following additional information:

1. Existing and proposed contours of the property at two foot contour intervals;
2. Location of existing structures and buildings, including those within 25 feet of the development site on adjacent property;
3. Design details for proposed retaining walls;
4. The direction of drainage flow and detailed plans and locations of all surface and subsurface drainage devices to be constructed.

E. Sedimentation and Erosion Control Plan.

The City shall require that the sedimentation and erosion control plan be prepared by a Registered Professional Engineer where the disturbed area is greater than 20,000 square feet, or the disturbed area has an average slope of 35% or greater.

F. Development Plan.

The City shall require a development plan for the site where the disturbed area is greater than 2,000 square feet to assure the least amount of earth disturbance as necessary, and to assure that the development is consistent with zoning and other City regulations. Such development plan shall, at a minimum, include the following additional information:

1. Site plan as described above;
2. Location of existing and proposed structures;
3. Location of existing and proposed parking, access and egress;
4. Location and square footage of proposed landscaped areas.

G. Ground and Surface Water Diversion Plan.

If property construction will result in alterations of natural hydrology such that damage to neighboring properties will occur, the City shall require that any known ground or surface water be diverted to an alternate natural path or to a man-made system to prevent any damage to other properties that may be affected by the water.

(Section 3.310 added by Ordinance 04-08, 10-4-04)

3.315. GRADING STANDARDS.

A. Cuts.

The following Grading Standards shall be required for cuts:

1. The design shall minimize the need for cuts. The proposed grading plan shall be designed to blend with the existing topography as much as possible without the use of retaining walls.
2. Long, steep cut and fill slopes shall be avoided.
3. The slope of cut surfaces shall not be steeper than is necessary for the intended use and shall not be steeper than two horizontal to one vertical (2:1) unless an engineering geology report determines that a cut at a steeper slope will be reasonably stable and not create a hazard to public or private property.
4. Cuts shall not remove the toe of any slope where a known potential or historic land slide exists as determined by the City Engineer.

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5. Cuts shall be set back a minimum of five (5) feet from property lines so as to minimize danger and disturbance to adjoining property.
6. Retaining walls shall be constructed in accordance with the Structural Specialty Codes as adopted by the City.

B. Fills.

The following Grading Standards shall be required for fills:

1. The design shall minimize the need for fills.
2. The slope of fill surfaces shall not be steeper than two horizontal to one vertical (2:1) unless an engineering geology report determines that a steeper slope will be reasonably stable and not create a hazard to public or private property. Fill slopes shall not be constructed on natural slopes steeper than two horizontal to one vertical.
3. Fills shall be set back from property lines a minimum of five (5) feet so as to minimize impact on adjoining property. Retaining walls shall be required by the City where the City Engineer deems it necessary.
4. The ground surface shall be prepared to receive fill by removing vegetation, inappropriate fill, topsoil, and other unsuitable materials, and shall be scarified to provide a bond with the new fill.
5. Any structural fill shall be designed by a Registered Professional Engineer, in accordance with standard engineering practices.
6. Fill material shall be broken into pieces no larger than 12 inches to assure proper compaction.
7. The following items are unsuitable materials and shall not be used for fill:
 - a. Roofing material, fiberglass, metals, asphalt, or large slabs of concrete, and other man-made construction debris inappropriate for fill
 - b. Stumps, organic materials, and other natural debris inappropriate for fill
8. A compaction report shall be required for any area with fill prior to any construction on the site.

C. Drainage.

The following Grading Standards shall be required for drainage:

1. Proposed grading, cuts or fills shall not alter drainage patterns so that additional stormwater is directed onto adjoining property.
2. All cut and fill slopes shall be provided with subsurface drainage as necessary for stability.

D. Streets.

Refer to the Astoria "Street Design Standards" on file in the office of the City Engineer.

(Section 3.315 added by Ordinance 04-08, 10-4-04)

3.320. EROSION AND SEDIMENTATION CONTROL STANDARDS.

A. Authority.

Review and approval of grading permits for regulated activities shall be based on the conformance of the development plans with the standards of this section. Conditions of approval may be imposed to assure that the development plan meets the standards. The City Engineer shall require modifications to the erosion and sedimentation control plan at any time if the plan is ineffective in preventing the discharge of sediment to City streets and storm drains, surface waters, wetlands, or adjacent property.

B. Department of Environmental Quality (DEQ) Standards.

The current DEQ "Best Management Practices for Stormwater Discharges Associated with Construction Activities" document are incorporated as part of this document by reference.

C. General Erosion and Sedimentation Control Standards.

1. Natural vegetation shall be retained and protected wherever possible.
2. Stream and wetland areas shall only be disturbed in accordance with US Army Corps of Engineers and Oregon Division of State Lands permits, as well as riparian preservation requirements in Astoria Development Code Article 4, "Columbia River Estuary and Shoreland Regional Standards".

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3. Sedimentation barriers, as described in the DEQ “Best Management Practices for Stormwater Discharges Associated with Construction Activities” document shall be placed to control sedimentation from entering the river, bay, streams, wetlands, adjacent property or City streets and storm sewers. The barriers shall be installed prior to site clearance or grading activities.
4. The City Engineer or Building Official may require areas to be temporarily stabilized with straw mulch, sod, mat or blanket in combination with seeding, or other acceptable sediment control method. Prior to the completion of construction, such areas shall be permanently stabilized by seeding or other vegetative ground cover.
5. Stormwater catch basins, inlets or culverts shall be protected by sediment traps or filter barriers such as “bio bags”.
6. Soil storage piles or fill shall be located so as to minimize the potential for sedimentation of streams, wetlands, adjacent property or City streets or storm sewers. The City Engineer or Building Official may require temporary stabilization of soil storage piles or fill.
7. Temporary sedimentation control, not in conjunction with a structure, shall be required in any situation where the City Engineer or Building Official determine that sedimentation or erosion may affect streams, wetlands, adjacent property, City streets or storm sewers.
8. Erosion and sedimentation control measures shall be continually maintained during the period of land disturbance and site development in a manner that ensures adequate performance. Soil that has been transported by any means to a street or any area where stormwater flows to a storm drain or surface water, shall be cleaned up to prevent transport to the drain or surface water. All temporary erosion and sedimentation control measures shall remain in place until the disturbed area is stabilized with permanent vegetation.
9. The City shall require a graveled construction road or access of sufficient length, depth, width, and rock size to prevent sedimentation from being tracked onto City streets.
10. Sediment trapped by sediment control methods shall be redistributed on-site, removed, or permanently stabilized to prevent further erosion and sedimentation.
11. The City Engineer shall require the cleanup of any streets, catch basins or storm sewers affected by regulated activities on a site at the expense of the person responsible for those regulated activities. Measurable amounts of

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sediment that leave the site shall be cleaned up and placed back on the site or disposed of in an approved manner.

12. Under no conditions shall soil on sidewalks, streets, or equipment be washed or hosed into storm sewers, drainage ways, streams or other water bodies.
13. The City shall make periodic inspections to ascertain that erosion and sediment control measures as proposed have been implemented and are being effectively maintained. The City Engineer or the Building Official are authorized to place an immediate "stop work" order on any project that does not meet the standards imposed in this ordinance.

(Section 3.320 added by Ordinance 04-08, 10-4-04)

3.325. STORMWATER MANAGEMENT STANDARDS.

Projects that are 40,000 square feet (land area) or larger shall install a stormwater management system as part of the landscaping requirements. Such a system shall be designed by a Registered Professional Engineer and/or Registered Landscape Architect and shall be capable of meeting the standards in the DEQ "Best Management Practices for Stormwater Discharges Associated with Construction Activities", or other guidelines acceptable to the City Engineer.

(Section 3.325 added by Ordinance 04-08, 10-4-04)

3.330. ENFORCEMENT.

A. Final Inspection.

The City shall review all regulated activities one year after completion and/or installation of permanent vegetation to assure that any erosion control or regulated activity measures installed continue to meet the standard imposed in this ordinance. The applicant shall be responsible for continued maintenance until the City Engineer and Building Official has approved a final inspection on the project.

B. Responsible Party and/or Change of Ownership.

The applicant shall be responsible for the work to be performed in accordance with the approved plans and specifications in conformance with the provisions of this code. In the event of a change of ownership prior to the Final Inspection, the applicant shall enter into a Performance Agreement with the City and proposed new property owner. The Performance Agreement shall, at minimum, identify the party responsible for completion of the project until a Final Inspection has been approved by the City.

C. Continued Maintenance.

If an erosion control or regulated activity measure system fails due to lack of maintenance or breakage, and there are impacts to adjacent property owners, or downstream water quality or quantity as a result of the failure, the City shall perform the maintenance or repair and charge the current property owner for the required repairs.

D. Penalties.

In addition to any other method of enforcement available to the City, including City Code Section 1.010, the provisions of this ordinance may be enforced by the issuance of citations by duly appointed officers of the City pursuant to Astoria City Code Section 6.135.

E. Additional Costs.

Where the City Engineer, Community Development Director, or Building Official deem it necessary, in the interest of public health, safety, or welfare, to incur additional costs such as, but not limited to, the hiring of independent geotechnical experts or other technical expertise, or costs to complete or correct work not completed by the applicant during the course of the project, such costs shall be borne by the applicant. Such costs shall not exceed actual costs.

F. Performance Bond.

The City Engineer or Community Development Director may require that the applicant furnish to the City a performance bond up to, and not to exceed, the value of the cost of the required improvements in order to assure that the conditions imposed are completed in accordance with the plan and specifications as approved by the City Engineer or Community Development Director and that the standards established in granting the permit are observed.

G. Time Limit on Permit.

Authorization of a permit shall be void after 180 days unless substantial construction or use pursuant thereto has taken place. However, the City Engineer or Building Official may, at their discretion, extend authorization for an additional 180 day period upon written request by the applicant and a determination that the conditions of the project or permit application have not changed sufficient to warrant review of a new permit application.

(Section 3.330 added by Ordinance 04-08, 10-4-04)