

**TITLE 10  
CHAPTER 36**

**PUBLIC FACILITIES**

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**10-36-1: PURPOSE AND APPLICABILITY**

- A. **Purpose.** The purpose of this Chapter is to provide planning and design standards for public and private transportation facilities and utilities. Streets are the most common public spaces, touching virtually every parcel of land. Therefore, one of the primary purposes of this Chapter is to provide standards for attractive and safe streets that can accommodate vehicle traffic from planned growth and provide a range of transportation options, including options for driving, walking, transit and bicycling. This Chapter is also intended to implement the City's Transportation System Plan.

- B. **When Standards Apply.** Unless otherwise provided, the standard specifications for construction, reconstruction, or repair of transportation facilities, utilities, and other public improvements within the City shall occur in accordance with the standards of this Chapter and the standards of the applicable road authority for roads in other jurisdictions. No development may occur unless the public facilities related to development comply with the public facility requirements established in this Chapter.
- C. **Engineering Design Criteria, Standard Specifications and Details.** The Standard Specifications for Public Works Construction, Oregon Chapter of the American Public Works Association (APWA), as may be amended by the City of Florence, are incorporated by reference. The design criteria, standard construction specifications and details maintained by the Public Works Director, or any other road authority with jurisdiction, shall supplement the general design standards of this Development Code. The City's specifications, standards, and details are hereby incorporated into this Code by reference.
- D. **Adequate Public Facilities.** Adequate public facilities must be available for development. No development may occur unless required public facilities are in place or guaranteed, in conformance with the provisions of this Code.
- E. **Conditions of Development Approval.** Improvements required as a condition of development approval, when not voluntarily accepted by the applicant, shall be roughly proportional to the impact of the development on public facilities. Findings in the development approval shall indicate how the required improvements are directly related and roughly proportional to the impact. The applicant may be requested to provide evidence of impacts as part of the City's completeness review. Facilities shall be sized according to approved facility plans. When the improvements necessary for the provision of adequate facilities exceeds the roughly proportional impacts of the specific development proposal, the City may assist through system development charge credits, reimbursement districts, or other City participation consistent with the City's capital improvement and fiscal plans and policies.

## **10-36-2: STREET STANDARDS**

**10-36-2-1: Development Standards.** The following standards shall be met for all new uses and developments:

- A. All new lots created, consolidated, or modified through a land division, lot line adjustment, lot consolidation, or street vacation must have street frontage and approved access to a street.
- B. Streets within or abutting a development shall be improved in accordance with the Transportation System Plan (TSP), provisions of this Chapter and other applicable sections of this Code.
- C. Development of new streets, and additional street width or improvements planned as a portion of an existing street, shall be improved in accordance with this Section, and public streets shall be dedicated to the applicable road authority. Street location, width, and grade 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.
- D. All new public streets and alleys shall be paved per the City of Florence Standards and Specifications document. Alleys may also be improved with porous concrete, porous asphalt, permeable pavers such as turf concrete, brick pavers or other materials approved by the City. The City does not maintain alleys.

**10-36-2-2: Improvement Guarantee.** The City may accept a future improvement guarantee (e.g., non-remonstrance agreement, which certifies that the owner and their successors will not to object to the formation of a local improvement district in the future) in lieu of street improvements if one or more of the following conditions exist:

- A. A partial improvement does not create a potential safety hazard to motorists, bicyclists, or pedestrians.
- B. Due to the developed condition of adjacent properties it is unlikely that street improvements would be extended in the foreseeable future and the improvement associated with the project under review does not, by itself, reduce street safety or capacity.
- C. The improvement would be in conflict with an adopted capital improvement plan.

**10-36-2-3: Creation of Rights-of-Way for Streets and Related Purposes.** Streets shall be created through the approval and recording of a final subdivision or partition plat; except the City may approve the creation of a Public Right-of-Way by acceptance of a deed, where no plat will be recorded, and provided that the street is deemed in the public interest by the City Council for the purpose of implementing the Florence Transportation System Plan, and the deeded right-of-way conforms to this Code. All deeds of dedication shall be in a form prescribed by the City and shall name "the public" as grantee.

**10-36-2-4: Creation of Access Easements.** The City may approve or require an access easement when the easement is necessary to provide for access and circulation in conformance with Chapter 35, Access and Circulation. Access easements shall be created and maintained in accordance with the Oregon Fire Code and the City of Florence Standards and Specifications.

**10-36-2-5: Minimum Rights-of-Way and Street Sections.** Street rights-of-way and improvements shall be consistent with the Transportation System Plan and standards specified in Title 8 Chapter 2.

A. Street width shall be based on the existing conditions along with the following factors:

1. Street classification in the Transportation System Plan
2. Anticipated traffic generation
3. On-street parking needs
4. Pedestrian and bicycle requirements based on anticipated level of use
5. Requirements for placement of utilities
6. Street lighting
7. Minimize drainage, slope, and sensitive lands impacts
8. Street tree location, when provided
9. Protection of significant vegetation, as provided for in Chapter 34
10. Safety and comfort for motorists, bicyclists, and pedestrians
11. Street furnishings (e.g., benches, lighting, bus shelters, etc.), when provided
12. Access needs for emergency vehicles
13. Transition between different street widths (i.e., existing streets and new streets).
14. Driveway Off-sets
15. Curve Radii
16. Queuing Factors

B. Partial street improvements may be accepted only in the case of a collector or arterial street and only when requiring a full-width street improvement can not be justified based on the proportionate impact of the development on the transportation system. Where a less than full street is allowed, the minimum total paved width shall provide for two travel lanes, and for bicycle lanes if warranted.

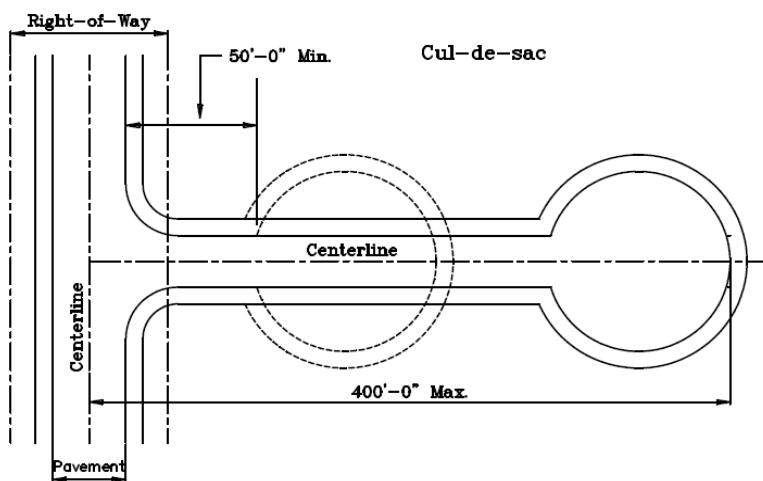
**10-36-2-6: Cul-de-sacs.** A cul-de-sac street shall only be used when the applicant demonstrates that environmental or topographical constraints, existing development patterns, or compliance with other standards in this code preclude street extension and through circulation. When cul-de-sacs are provided, all of the following shall be met:

A. The cul-de-sac shall not exceed a length of 400 feet and the minimum throat length shall be 50 feet; the length of the cul-de-sac shall be measured where the centerline of the roadway from the near side of the intersecting street to the

farthest point of the cul-de-sac pavement. The minimum right-of-way for a cul-de-sac may be reduced to 50 feet if approved by the City.

- B. The cul-de-sac shall terminate with a circular or hammer-head turnaround meeting the Oregon Fire Code. Circular turnarounds shall have a radius of no less than 35 feet, and not more than a radius of 45 feet (i.e., from center to edge of pavement), subject to approval by the Public Works Director; except that turnarounds shall be larger when they contain a landscaped island or parking bay at their center. When an island or parking bay is provided, there shall be a fire apparatus lane minimum of twenty (20) feet in width.

**Figure 10-36(1): Cul-de-sac Design**



**10-36-2-7: Alleys, Public or Private.** Alleys shall provide a 20-foot right-of-way and 16 feet of pavement.. Unless otherwise approved by the Planning Commission, where topographical conditions will not reasonably permit, grades shall not exceed twelve percent (12%) on alleys. Alley intersections and sharp changes in alignment shall be avoided. The corners of necessary alley intersections shall have a radius of not less than twelve (12) feet or wider if required by the Fire District.

**10-36-2-8: Private Streets.** Private streets shall conform to City standards of construction and shall include sidewalks or pathways as approved by the City. Private streets shall not be used to avoid public access connectivity required by this Chapter or the Transportation System Plan. Legal assurance for construction and maintenance shall be required of the developers and owners. Private streets shall connect with public streets to complete the City's transportation system grid where practical.

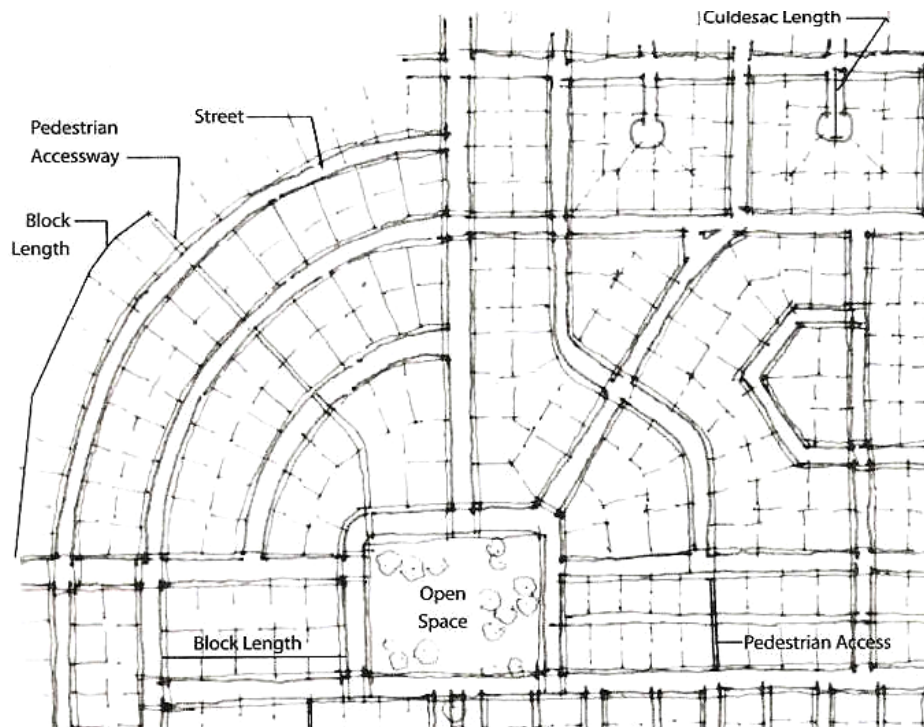
**10-36-2-9: Street Location and Connectivity.** Planned streets shall connect with surrounding streets to permit the convenient movement of traffic and to facilitate emergency access and evacuation. Proposed streets or street extensions shall be located to provide access to existing or planned commercial services and other neighborhood facilities, such as schools, shopping areas and parks.

- A. Where the location of a street is not shown in an existing street plan, the location of streets in a development shall provide for the continuation and connection of existing streets in the surrounding areas, conforming to the street standards of this Section, or
- B. Wherever a proposed development abuts unplatted land or a future development phase of the same development, street stubs shall be provided to and to logically extend the street system into the surrounding area. All street stubs over 150 feet in length shall be provided with a temporary turn-around unless specifically exempted by the Fire Marshal, and the restoration and extension of the street shall be the responsibility of any future developer of the abutting land.
1. These extended streets or street stubs to adjoining properties are not considered to be cul-de-sacs since they are intended to continue as through streets when the adjoining property is developed.
  2. Developer shall install a Type III barricade at the end of the street. The barricade shall not be removed until authorized by the City or other applicable agency with jurisdiction over the street.
  3. Temporary street ends shall provide turnarounds (e.g., hammerhead or bulb-shaped configuration) constructed to Oregon Fire Code standards for streets over 150 feet in length.
- C. Mid-Block Connection/Multi-use Path Standards. Where a street connection in conformance with the maximum block length standards in Section 10-36-2-10 is impracticable, a multi-use path shall be provided at or near the middle of a block in lieu of the street connection, as generally shown in Figure 10-36(2). The City may also require developers to provide a multi-use path off a cul-de-sac. Such pathways shall conform to all of the following standards:
1. Multi-use paths shall be no less than ten (10) feet wide and located within a twenty (20)-foot right-of-way or easement allowing public access and, as applicable, emergency vehicle access.
  2. If the streets within the subdivision or neighborhood are lighted, all pathways in the subdivision shall be lighted. Pathway illumination shall provide at least two (2)-foot candles.
  3. All pathways shall conform to applicable ADA requirements unless precluded by topographic conditions.
  4. The City may require landscaping, walls or terraces as part of the required pathway improvement to buffer pedestrians from adjacent vehicles, or to screen pathways from view of adjacent residences.

**10-36-2-10: Block Length and Block Perimeter.** In order to promote efficient vehicular and pedestrian circulation throughout the city, subdivisions and site developments of more than two (2) acres shall be served by a connecting network of public streets and/or accessways, in accordance with the following standards (minimum and maximum distances between two streets or a street and its nearest accessway):

- A. Residential Districts: Minimum of 100-foot block length and maximum 1,200-foot length; maximum 3,000-foot block perimeter
- B. Old Town and Main Street Districts: Block lengths shall be consistent with the existing town plat, as of June 2009.
- C. General Commercial, North Commercial and Highway Commercial Districts: Minimum of 100-foot block length and maximum 600-foot length; maximum 1,400-foot block perimeter
- D. Not applicable to the Industrial Districts

**Figure 10-36(2): Street Connectivity and Formation of Blocks**



**10-36-2-11: Traffic Controls**

- A. Traffic signals/roundabouts shall be required with development when traffic control warrants are met, in conformance with the Highway Capacity Manual and Manual of Uniform Traffic Control Devices. Traffic signal/roundabout design shall be approved by City Engineer. The developer's financial responsibility and the timing of improvements shall be included as part of the development approval.
- B. Traffic controls on roads under State jurisdiction shall be determined by the Oregon Department of Transportation. Traffic controls on roads under Lane County jurisdiction shall be determined by Lane County.
- C. The City may require the installation of calming features such as traffic circles, curb extensions, reduced street width (parking on one side), medians with pedestrian crossing refuges, and/or special paving to slow traffic in

neighborhoods or commercial areas with high pedestrian traffic.

- D. Where the City TSP identifies future traffic signals, additional right-of-way shall be provided at the intersection to accommodate the signal apparatus.

**10-36-2-12: Medians.** The use of landscaped medians improve community appearance, helps maintain system mobility and reduces the effects of wide street widths to all modes of travel. Medians will be landscaped with water efficient plant materials unless otherwise indicated below.

- A. At intersections where left turn pockets are constructed, the 16-foot wide median will transition to an 11-foot wide left turn lane with a five-foot pedestrian refuge median separating the left turn lane from oncoming traffic. Intersections and access must comply with Chapter 35, Access and Circulation.
- B. Medians on roads under State jurisdiction shall be determined by the Oregon Department of Transportation.

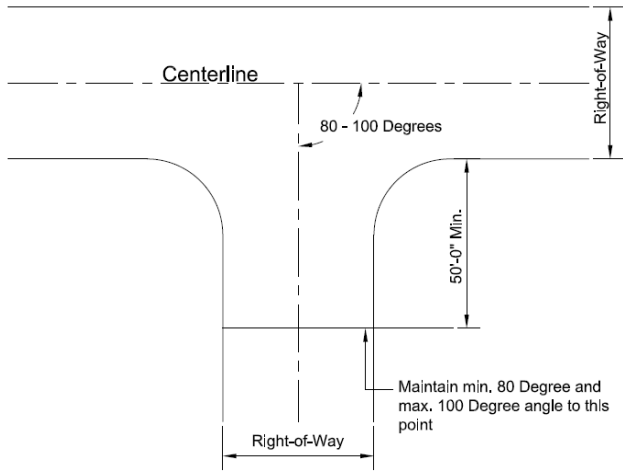
**10-36-2-13: Street Alignment, Radii**

- A. On Arterial and Collector Roadways, intersections shall be spaced at a minimum of 250 feet, as measured from the centerline of the street.
- B. On Local Streets, street centerlines at intersections may not be offset by more than two feet. Intersections shall be spaced at a minimum of 125 feet, as measured from the centerline of the street.
- C. Corner curb return radii shall be at least thirty-five (35) feet on Arterial Streets and at least twenty (20) feet on other streets, except where smaller radii are approved by the Public Works Director. Larger Radii may be required by the Director to accommodate emergency and freight vehicles.

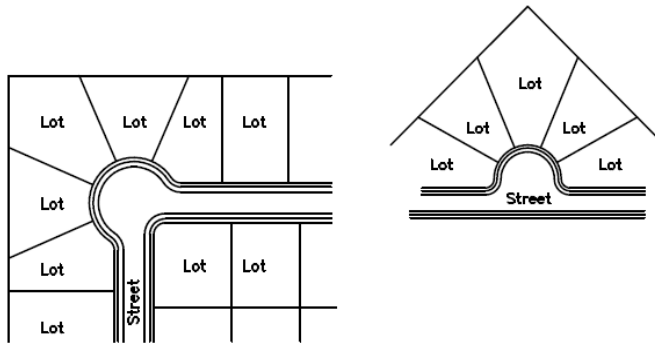
**10-36-2-14: Intersection Angles.** Streets shall be laid out so as to intersect at an angle as near to a right angle as practicable, except where topography requires a lesser angle. In no case shall the centerline angle be less than 80°; elbow or knuckle corners are not allowed (see Figures 10-36(3) and (4) for illustrations). In addition, the following standards shall apply:

- A. Streets design shall provide a minimum of 50 feet of straight centerline tangent past the intersecting right-of-way unless a lesser distance is approved by the Public Works Director (see Figure 10-36(5) for illustration).
- B. Intersections that are not at right angles shall have a minimum corner radius of 20 feet along the right-of-way lines of the acute angle.

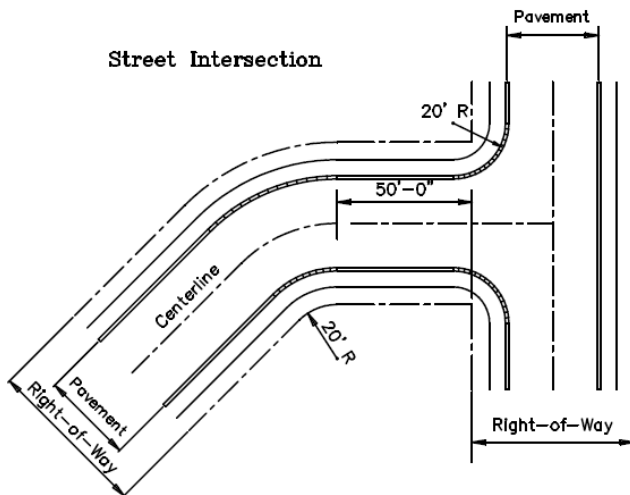
**Figure 10-36(3): Street Intersection Angle**



**Figure 10-36(4): Elbow and Knuckle Corners are Prohibited**



**Figure 10-36(5): Street Intersection**

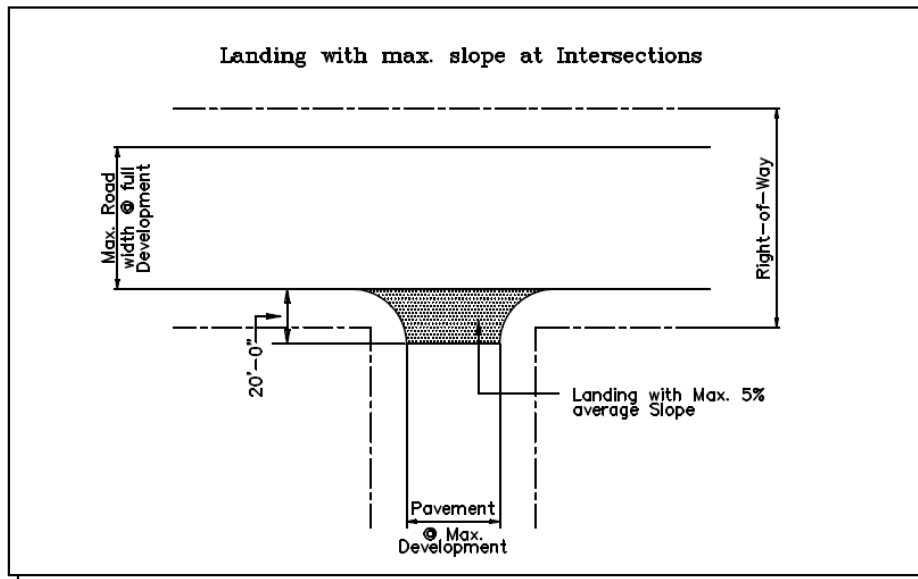


**10-36-2-15: Grades and Curves.** Unless otherwise approved by the City due to

topographical conditions, grades shall not exceed 6% on arterials, 10% on collector streets, or 12% on all other streets. Grades in excess of 10% require Fire Code Official approval.

- A. Centerline curve radii shall not be less than 700 feet on arterials, 350 feet on collectors, or 100 feet on other streets.
- B. Streets intersecting with a collector or greater functional classification street, or streets intended to be posted with a stop sign or signalization, shall provide a landing averaging 5% slope or less. Landings are that portion of the street within twenty (20) feet of the edge of the intersecting street at full improvement. See Figure 10-36(6) for example.
- C. Existing conditions may warrant additional design criteria. All streets and intersection designs shall be subject to the approval of the Public Works Director.

**Figure 10-36(6): Street Intersection Landing**



**10-36-2-16: Sidewalks, Planter Strips, Bicycle Lanes.** Sidewalks, planter strips, and bicycle lanes shall be installed in conformance with applicable provisions of the Florence Transportation System Plan, Comprehensive Plan, adopted street plans, City of Florence Standards and Specifications and the following standards:

- A. Sidewalks may be placed adjacent to the street or at the property line with planter strips where practicable, or as otherwise directed by the Public Works Director.
- C. In areas with high pedestrian volumes, the City may approve a minimum 12-foot wide sidewalk area, curb tight, with street trees in tree wells and / or landscape planters.
- D. Bicycle lanes shall be a minimum of 6 feet in width and be constructed on all arterial streets and all collectors as indicated in the TSP, unless otherwise

designated.

- E. Sidewalks are not required on T-courts (hammer-head).
- F. In no instance shall a planter strip be wider than 7-feet at the intersection. This may require the sidewalk to taper from the property line alignment to within 7-feet of the curb.
- G. Where practical, sidewalks shall be allowed to meander around existing trees if in conformance with the requirements of the Americans with Disabilities Act.
- H. Maintenance of sidewalks and planter strips in the right-of-way is the continuing obligation of the adjacent property owner.

**10-36-2-17: Existing Rights-of-Way.** Whenever existing rights-of-way adjacent to or within a proposed development are developed less than standard width, additional rights-of-way shall be provided at the time of subdivision or site development, in conformance with FCC 10-36-2-5.

**10-36-2-18: Curbs, Curb Cuts, Ramps, and Driveway Approaches.** Concrete curbs, curb cuts, curb ramps, bicycle ramps and driveway approaches shall be constructed in accordance with Chapter 35, Access and Circulation, City of Florence Standards and Specifications and the following standards:

- A. Curb exposure shall be per City Standards and Specifications.
- B. There shall be no curbs on alleys unless otherwise approved by the Public Works Director.
- C. Curb extensions (bulb-outs) at local residential street intersections are optional. If provided, the minimum width between the curb extensions shall be 24-feet, unless otherwise approved by the Public Works Director. Curb extensions shall not be used on streets with bike lanes.

**10-36-2-19: Access Standards.** New development shall gain access primarily from local streets. Access onto arterials and collectors shall be evaluated based on access options, street classifications and the effects of new access on the function, operation and safety of surrounding streets and intersections. Where such access to higher level street classification is necessary, shared driveways may be required in conformance with FCC 10-35. If vehicle access off a lower-level street is possible, then the City may prohibit access to the higher-level street.

**10-36-2-20: Street Names.** The developer shall submit proposed street names to the City of Florence Community Development Department for review and submittal to the Lane County Road Naming Committee for approval prior to recording final plat. No new street name shall be used that duplicates or could be confused with the name of an existing street in the County. Street names shall be in conformance with FCC 8-2-1-1.

**10-36-2-21: Survey Monuments.** Upon completion of a street improvement and prior to acceptance by the City, it shall be the responsibility of the developer's registered professional land surveyor to provide certification to the City that all boundary and interior monuments have been re-established.

**10-36-2-22: Street Signs.** The cost of signs required for new development, including stop signs and any other roadway signs, shall be the responsibility of the developer and shall be installed as part of the street system developed and approved through the land use process. Signs shall be installed by developers per City of Florence Standards and Specifications.

**10-36-2-23: Mail Boxes.** Plans for mail boxes shall be approved by the United States Postal Service.

**10-36-2-24: Street Light Standards.** Street lights shall be provided in all developments within the City and shall be provided in accordance with Resolution 16, Series 1999. The Planning Commission during site design review may add street lights at other locations and authorize specific exceptions to the above priorities when necessary in order to enhance the public safety and welfare; actual locations may be varied slightly depending on placement of Central Lincoln PUD poles. Streetlights shall be installed in accordance with City of Florence Standards and Specifications. Where a private street intersects a public street, a street light shall be installed.

### **10-36-3: SANITARY SEWERS, WATER, STORMWATER, AND FIRE PROTECTION**

- A. **Sewers, Water, and Stormwater Mains Required.** Sanitary sewers, water mains, and stormwater drainage shall be installed to serve each new development and to connect developments to existing mains in accordance with the City's Wastewater Master Plan, Water System Master Plan, and Stormwater Master Plan, Florence Code Title 9 Chapters 2, 3 and 5, and the applicable construction specifications. When streets are required to be stubbed to the edge of the subdivision; stormwater, sewer and water system improvements shall also be stubbed to the edge of the subdivision for future development.
- B. **Sewer, Water, and Stormwater Plan Approval.** Development permits for stormwater drainage, sewer and water improvements shall not be issued until the Public Works Director or their designee has approved all stormwater, sanitary sewer and water plans in conformance with City standards, and Florence Code Title 9 Chapters 2, 3 and 5.
- C. **Existing Watercourse.** Where a proposed development is traversed by a watercourse, drainage way, channel, or stream, there shall be provided a storm water easement or drainage right-of-way conforming substantially to the lines of such watercourse and such further width as will be adequate for conveyance and maintenance to protect the public health and safety.
- D. **Over-Sizing.** The City may require as a condition of development approval that sewer, water, and/or storm drainage systems serving new development be sized to accommodate future development within the area as projected by the applicable Water, Sewer, and/or Storm Drainage Master Plan, and Florence Code Title 9 Chapter 1. The developer may be entitled to credit or reimbursement for over-sizing City master planned improvements.
- E. **Fire Protection.** All new development shall conform to the applicable provisions of the Oregon Fire Code. Developers shall provide verification of existing and proposed water service mains and hydrant flow supporting the development site.

Fire flow analyses and plans for hydrants and water service mains shall be subject to review and approval by the Building Official or Fire Marshal.

- F. **Inadequate Facilities.** Development permits may be restricted by the City where a deficiency exists in the existing water, sewer or stormwater system that cannot be rectified by the development and that if not rectified will result in a threat to public health or safety, surcharging of existing mains, or violations of state or federal standards pertaining to operation of domestic water and sewerage treatment systems.

**10-36-4: EROSION CONTROL.** In addition to standard City requirements for stormwater, erosion control and sand management, projects that disturb one (1) or more acres of land over a period of time, a National Pollution Discharge Elimination System (NPDES) Permit must be obtained from the Department of Environmental Quality prior to the issuance of a development permit or land use permit based on appropriate criteria.

**10-36-5: UTILITIES**

**A. Underground Utilities.**

1. Generally. All new utility lines including, but not limited to, those required for electric, communication, lighting, and cable television services and related facilities shall be placed underground, except for temporary utility service facilities during construction, and high capacity electric lines operating at 50,000 volts or above.
2. Subdivisions. In order to facilitate underground placement of utilities:
  - a. The developer shall make all necessary arrangements with the serving utility to provide the underground services. Care shall be taken to ensure that all above ground equipment does not obstruct vision clearance areas for vehicular traffic.
  - b. The City reserves the right to approve the location of all surface-mounted facilities.
  - c. All underground utilities, including water, sanitary sewers and storm drains installed in streets by the developer, shall be constructed prior to the surfacing of the streets.
  - d. Stubs for service connections shall be long enough to avoid disturbing the street improvements when service connections are made.

- B. **Exception to Undergrounding Requirement.** An exception to the undergrounding requirement may be granted due to physical constraints, such as steep topography, sensitive lands, or high water table or existing development conditions.

#### **10-36-6: EASEMENTS**

- A. **Provision.** Dedication of easements for storm water, sewers, water and for access thereto for maintenance, in order to safeguard the public against flood damage and the accumulation of surface water; dedication of easements for sanitary sewers, and for access thereto for maintenance; and dedication of easements for other public utilities may be required of the land divider by the Planning Commission along lot rear lines, lot side lines or elsewhere as necessary to provide needed facilities for present or future development of the area in accordance with the purpose of this Title. Easements for utility lines shall be not less than fifteen feet (15') in width and the utility shall be located in the center of the easement. Before a partition or subdivision can be approved, there shall appear thereon a restriction, providing that no building, structure, tree, shrubbery or other obstruction shall be placed or located on or in a public utility easement. The City may require an additional five foot (5') easement for utility lines along street frontages when necessary.
- B. **Recordation.** As determined by the City all easements for sewers, storm drainage and water quality facilities, water mains, electric lines, or other public utilities shall be recorded with the final plat.

#### **10-36-7: CONSTRUCTION PLAN APPROVAL AND ASSURANCES**

- A. **Plan Approval and Permit.** No public improvements, including sanitary sewers, storm sewers, streets, sidewalks, curbs, lighting, parks, or other requirements shall be undertaken except after the plans have been approved by the City Public Works Director, permit fee paid, and permit issued.
- B. **Performance Guarantee.** The City may require the developer or subdivider to provide bonding or other performance guarantees to ensure completion of required public improvements.

#### **10-36-8: INSTALLATION**

- A. **Conformance Required.** Improvements installed by the developer either as a requirement of these regulations or at his/her own option, shall conform to the requirements of this Chapter, approved construction plans, and to improvement standards and specifications adopted by the City.
- B. **Adopted Installation Standards.** The Standard Specifications for Public Works Construction, Oregon Chapter APWA, are hereby incorporated by reference; other standards may also be required upon recommendation of the Public Works Director.
- C. **Commencement.** Work shall not begin until the City has been notified in advance in writing.

- D. **Resumption.** If work is discontinued for more than one month, it shall not be resumed until the City is notified in writing.
- E. **City Inspection.** Improvements shall be constructed under the inspection and to the satisfaction of the City Public Works Department. The City may require minor changes in typical sections and details if unusual conditions arising during construction warrant such changes in the public interest. Modifications to the approved design requested by the developer may be subject to City review. Any monuments that are disturbed before all improvements are completed by the subdivider shall be replaced prior to final acceptance of the improvements; it shall be the responsibility of the developer's registered professional land surveyor to provide certification to the City that all boundary and interior monuments have been reestablished and protected.
- F. **Engineer's Certification and As-Built Plans.** A registered civil engineer shall provide written certification in a form required by the City that all improvements, workmanship, and materials are in accord with current and standard engineering and construction practices, conform to approved plans and conditions of approval prior to City acceptance of the public improvements, or any portion thereof, for operation and maintenance. The developer's engineer shall also provide two (2) sets of "as-built" plans along with an electronic copy, in conformance with the City Engineer's specifications, for permanent filing with the City.
- G. **Acceptance of Public Improvements.** Public improvements shall only be accepted by the City after the "as-built" plans and actual improvements are approved, and all easements are recorded. Upon acceptance of public improvements, the City will accept ownership and maintenance responsibility.
- H. **Warranty of Public Facilities.** All public improvements shall be warranted against defects in materials and workmanship for a period of one year following acceptance of the improvements by the City. Once accepted, a minimum one (1) year warranty agreement on materials and workmanship shall be initiated between the City of Florence and the developer. A warranty bond or other financial security acceptable to the City in the amount of 12 percent of the original public improvement construction cost shall be maintained throughout the warranty period.

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