

# ALOHA-REEDVILLE-COOPER MOUNTAIN COMMUNITY PLAN

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## Ordinance and Plan Amendment History

Ordinance #, Plan Amendment Case File #, or Annexation #	Date Adopted	Tax lot	Action
Ord. No. 263	6/28/83		Community Plan created
Ord. No. 264	6/28/83		Community Plan created
Ord. No. 265	6/28/83		Community Plan created
Ord. No. 278	12/27/83		Revisions to Plan
Ord. No. 279	12/27/83		Revisions to Plan
Ord. No. 280	12/27/83		Revisions to Plan
Ord. No. 292	5/21/85		Revisions to Plan
Ord. No. 293	5/21/85		Revisions to Plan
Ord. No. 294	5/21/85		Revisions to Plan
Ord. No. 344	10/24/89		Historic/Cultural and Progress Quarry
Ord. No. 367	9/25/90		Functional Classification
Ord. No. 418	7/27/93		Apply Interim Light Rail Station Area Overlay Dist.
B.C. 3114	7/29/93	1S22	Annexed to Hillsboro
B.C. 3243	10/21/93	2S1 5	Annexed to Beaverton
B.C. 3272	2/10/94	1S129 & 2S15	Annexed to Beaverton
B.C. 3273	2/10/94	2S1 5	Annexed to Beaverton
97-216-PA	6/15/94	1S1 18CB 1000	Changed from R-15 to R-24
97-216-PA	6/15/94	1S1 18CC 101	
B.C. 3374	9/22/94	2S1 5	Annexed to Beaverton
B.C. 3423	1/12/95	1S1 30	Annexed to Beaverton
MSD 95-612	8/4/95	1S2 11	Annexed to Urban Area
MSD 95-613	8/4/95	1S2 23	Annexed to Urban Area
B.C. 3509	8/24/95	1S1 30	Annexed to Beaverton

Ordinance #, Plan Amendment Case File #, or Annexation #	Date Adopted	Tax lot	Action
Ord. No. 471	10/31/95		Creation of Major Transit Stop Areas
95-395-PA	11/1/95	1S2 23D 1100 & 1S2 26 100	Change from AF-10 to INST, Change from EFC to INST
95-722-PA	2/21/96	1S2 12CD 5300, 5400, 5600, 5700, 5800, 5900	Amend the Functional Classification Map of the Transportation Plan to modify the alignment at the intersection of SW Shaw/198th Ave.
Ord. No. 480	9/27/96		The Relationship of Comprehensive Plan Elements
B.C. 3738	8/1/97	1S1 29BC	Annexed to Beaverton
B.C. 3828	6/30/98	2S15, 2S1 5BA	Annexed to Beaverton
Ord. No. 526	11/27/98		Removes Interim Light Rail Station Area Overlay District [See Ord. 418 above]
4040	12/31/99	1S1 32C 201	Annexed to Beaverton
4041	6/30/99	1S1 30DA 200 & 201, 1S1 30AD 5800, 1S119DD 300	Annexed to Beaverton
4050	8/19/99	2S1 05	Annexed to Beaverton
4087	6/30/00	1S1 20 (multiple tax lots)	Annexed to Beaverton
Ord. No. 551	7/06/00		Amends the Community Plan to comply with Metro's Regional Parking Policy (Title 2 of the Urban Growth Management Functional Plan).
Ord. No. 552	8/24/00		Amends the Community Plan to comply with Metro's Regional Accessibility Policy (Title 6 of the Urban Growth Management Functional Plan).
00-426-PA	12/20/00	1S1 7CC 6000, 6200, 6300, 6301	Change from R-24 to INST
03-485-PA	1/21/04	1S1 7CC 5901	Plan designation change from R-24 to INST
04-511-PA	2/2/05	1S1 18AC	Plan designation change from R-15 to R-24 for approximately 9.9 acres.
05-277-PA	9/7/05	1S1 7CC 6100, 1S1 18 BA 600	Plan designation change from R-5, R-9 and R-24 to INST.
A-Eng. Ord. No. 601	10/28/03		Transportation-related changes.
Ord. No. 649	11/24/05		Amended the Significant Natural and Cultural Resources map as well as the Subareas map to include the Jenkins Estate property.
Ord. No. 653	5/4/06		Amends the Cooper Mountain Area subarea to describe the general location and planned uses for the Cooper Mountain Natural Area.

Ordinance #, Plan Amendment Case File #, or Annexation #	Date Adopted	Tax lot	Action
Ord. No. 674	11/23/06		General Design Element 8 modified.
A-Eng. Ord. No. 683	8/7/07		Text clarification of low residential density in the Community Plan Overview.
A-Eng. Ord. No. 776	11/21/13		Removal of Mineral and Aggregate District Overlay from Significant Natural and Cultural Resources Map (formerly known as Progress Quarry). Area is now Murray Scholls Town Center. RNRP Map also modified.
A-Eng. Ord. No. 783	10/7/14		Transportation System Plan update removes Functional Classification Map
A-Eng. Ord. No. 785	9/23/14		Amends Community Plan regarding urban reserve, rural reserve or undesignated area to comply with HB 4078, passed by Oregon Senate in March 2014.
A-Eng. Ord. No. 799	9/22/15		Transportation System Plan Updates
Ord. No. 857	8/27/19		Applies new Pedestrian-Oriented Mixed-Use land use districts to portions of the Aloha Town Center near the T.V. Highway/SW 185th Ave. intersection identified as ASC 3A. The new land use districts implement recommendations from the Aloha Tomorrow Study intended to encourage pedestrian-friendly and transit-supportive future development.
Ord. No. 865	01/18/22		Amends the Community Plan to address Metro's 2018 Urban Growth Boundary expansion decision

# Aloha-Reedville-Cooper Mountain Community Plan

## The Relationship of Comprehensive Plan Elements

The Aloha-Reedville-Cooper Mountain Community Plan is one of a number of planning elements which in total comprise the Washington County Comprehensive Plan. The intent of this section is to provide the reader of the Aloha-Reedville-Cooper Mountain Community Plan with a basic understanding of its relationship to the various other Comprehensive Plan elements.

In general, the Aloha-Reedville-Cooper Mountain Community Plan is an area and site specific application of county Comprehensive Planning policy and a description of community development activities envisioned for the planning area. Implementation of the Aloha-Reedville-Cooper Mountain Community Plan is guided primarily by other Plan elements such as the Community Development Code, the Transportation System Plan and the Unified Capital Improvement Plan.

## Planning Context

The preparation of the Aloha-Reedville-Cooper Mountain Community Plan represents a continuation of the county's long-standing involvement in comprehensive planning. In fact, the Aloha-Reedville-Cooper Mountain Community Plan represents an update and rigorous re-examination of previous plans. The periodic updating of plans is necessary to ensure that the various plans respond to the current and anticipated circumstances of the county and the planning area. In addition to responding to local concerns, these plans respond to the planning concerns and requirements of the region and the state.

The county subscribes to the fundamental planning principle of creating plan elements through a public planning process which provides ample opportunity for citizen participation. Such a public planning process utilizes factual information and consideration of alternative courses of action which take into account social, economic, energy and environmental concerns.

The following are elements of the Washington County Comprehensive Plan:

- Comprehensive Framework Plan
- County Resource Document
- Community Plans
- Community Plan Background Documents
- Community Development Code
- Transportation System Plan

Subsequent to the adoption of these plan elements, the county will begin work on the Unified Capital Improvement Plan.

## Comprehensive Framework Plan

The Comprehensive Framework Plan is a policy document. Its function is to articulate the county's policy regarding the broad range of comprehensive planning and community development matters. Additionally, the Comprehensive Framework Plan contains strategies which are intended to guide the implementation of each policy directive.

A major function of the Comprehensive Framework Plan policies is to provide specific direction and parameters for the preparation of community plans, functional plans and implementing mechanisms. Two central provisions of the Comprehensive Framework Plan have particular importance in guiding the preparation of community plans and implementing the community plans, respectively. These provisions are a countywide development concept and the urban growth management policies.

The countywide development concept prescribes the creation of a series of distinct, balanced, relatively self-sufficient and diverse communities throughout the urban portion of Washington County. It is this concept which is the beginning point for organizing land uses at the community level.

The County's urban growth management policies require urban development to be accompanied by adequate urban services. The growth management policies define both urban development and necessary urban services. Public sewer, public water and a balanced urban-level transportation system are the primary urban services considered.

## Community Plan

The unincorporated portion of the county within the metropolitan area regional Urban Growth Boundary (UGB) and outside of city planning areas is divided into a number of Community Planning Areas. The Aloha-Reedville-Cooper Mountain Community Planning Area is one such planning area. Community Planning Area boundaries reflect the original boundaries from 1983. As such, the boundaries sometimes extend into areas that have been annexed by cities since the Community Plan was originally adopted.

The policies and plan designations of the Comprehensive Framework Plan are applied in a site-specific manner to the Community Planning Area. The result of this application is a Community Plan, composed of a Community Plan map and Community Plan text.

The Community Plan map portrays a land use designation for each parcel of land in the planning area.

The Community Plan text provides a written description of the Community Plan map in order to specify the intent of the mapped designations. Additionally, the Community Plan text includes Community Design Elements, which are written prescriptions for particular areas or sites which shall be adhered to as the plan is implemented. For certain areas specified by the Community Plan, the concept of Area of Special Concern is applied.

The designation of Area of Special Concern where applied to one or a combination of several parcels of land, denotes the presence of certain design opportunities or constraints. In such cases, the Community Plan text includes specific language which identifies and addresses the design opportunities or constraints. Usually land is designated as an Area of Special Concern when parcelization and/or varied ownership requires that the area be considered as one unit during development. In some cases, the Community Plan requires an Area of Special Concern to develop through a mandatory Master Planning-Planned Development process, which provides a more flexible approach to addressing the potential design opportunities and/or constraints.

The Master Planning-Planned Development requirement is intended to provide the open space, density transfers and design flexibility necessary to achieve the dual objectives of preserving significant natural features or achieving the design objectives of the design elements and encouraging development of a variety of housing types at the density permitted by the district. As provided in the Community Development Code, conditions of approval shall not unduly increase the cost of needed housing beyond the minimum necessary to meet the provisions of this Plan. Densities shall not be restricted to less than that authorized by the development standards.

The prescriptions of the Community Plan are augmented and implemented by the Community Development Code, the Transportation System Plan and the Unified Capital Improvement Plan. Standards and requirements of the Community Plan and the Transportation System Plan that are applicable to development applications, including but not limited to new development and land divisions, are specified in the Development Code.

An inventory and discussion of natural resources is contained in Chapter I of the Resource Document. The determination of significance, as specified in the Oregon Administrative Rules and Statewide Planning Goal 5, is explained in the Resource Document, and shown graphically as part of this Community Plan.

The Significant Natural Resources Map shows the location of the significant Goal 5 resources in the planning area.

An identification of neighborhood park deficient areas has been made based on one-half mile service area radius from existing park or school playground sites. Those portions of the planning area not within this service area are generally regarded as park deficient. On this Significant Natural Resources Map, a "P" has been placed in the general locale where a neighborhood park could serve the deficient area. The letter indicators are not site specific, but do reflect the number of neighborhood park facilities needed to serve the deficient area on a service area basis.

## Community Development Code

The chief function of the Code is to assist in the implementation of the various community plans and the Comprehensive Framework Plan. The Code is intended to achieve certain streamlining objectives necessary to ensure ease of operation, certainty, flexibility when conditions warrant and responsiveness to public concern.

The Code contains specific procedures and development standards necessary to assist in the implementation of the community plans. The Code addresses issues such as allowed uses, density, dimensional requirements, public facility requirements, land division requirements, changes in use and aesthetic concerns. The Code also sets forth processes and procedures for review of specific development proposals, including public notice requirements. The Code also sets forth the standards and requirements of the Community Plan and the Transportation System Plan that are applicable to development applications, including but not limited to new development and land divisions.

## Transportation System Plan

The Transportation System Plan (TSP) is a comprehensive analysis and identification of transportation needs associated with the implementation of the development pattern described in the community plans and the Rural/Natural Resource Plan.

Prepared from both the countywide and community planning area perspectives, the Transportation System Plan addresses the major roadway system, transit, pedestrian and bicycle transportation issues and focuses on specific and system requirements. The Transportation System Plan designates the major roadway system, and each road or street is provided a classification indicative of its existing or planned function, right-of-way, alignment and structural dimensional standards. Changes to the major roadway system are made through amendments to the Transportation System Plan. New neighborhood routes may also be designated through the development review process. Standards and requirements of the Transportation System Plan that are applicable to development applications, including but not limited to new development and land divisions, are specified in the Development Code.

The local street system is designated on the community plans and the Rural/Natural Resource Plan. New local streets and special area local streets are identified through the development review process or by amendments to the community plans or the Rural/Natural Resource Plan. The community plans also address local street and pedestrian connectivity and specific transit issues, such as identifying major bus stops.

In the event there is a conflict between the requirements of the Transportation System Plan and the requirements of this community plan, the requirements of the Transportation System Plan shall control.

## Unified Capital Improvement Plan

Following the adoption of the Washington County Comprehensive Plan, the county will embark on a second phase of planning which will include the preparation of a Unified Capital Improvement Plan. The Unified Capital Improvement Plan will be coordinated with all urban service providers and will be the



mechanism which the county will rely upon to direct future urban investments in public facilities and services in the urban portion of the county.

## Background Summary

### Planning Area

The Aloha-Reedville-Cooper Mountain Community Planning Area is located in eastern Washington County between the cities of Beaverton and Hillsboro. It is generally bounded on the east by the Beaverton city boundary, on the south by Scholls Ferry Road, on the west by the UGB and SW 219th Avenue, and on the north by SW Baseline Road, SW 185th Avenue and Beaverton Creek.

At the time the Community Plan was adopted in 1983, the planning area encompassed approximately 12.2 square miles and had a 1980 population of 31,505. Most of the area lies in the relatively flat lowlands of the Tualatin Valley. The southern portion of the area includes part of Cooper Mountain, which rises to 797 feet at its highest point.

Between 1983 and 2018, the planning area was reduced by city annexations and increased by UGB expansions. In 2018, Metro expanded the UGB to include the Cooper Mountain Urban Reserve area (also known as Urban Reserve Area 6B). This approximately 1.9-square-mile area has been added to the southern portion of the planning area.

### Land Use

In 1983, the total land area (excluding roads and unbuildable land) of the planning area was approximately 7,314 acres. Nearly fifty percent (50%) was developed with residential uses and approximately forty-one percent (41%) was vacant and buildable. Various UGB expansions and annexations have occurred since 1983. The 2018 UGB expansion was 1,232 acres, including approximately 632 acres of environmentally sensitive areas and about 600 developable acres.

At the time the Community Plan was originally developed, the planning area's residential development consisted predominantly of single-family neighborhoods. Multiple family residential development was generally limited to a few complexes located along SW Tualatin Valley Highway and SW Farmington Road.

In 1983, commercial uses in the planning area were generally either located along SW Tualatin Valley Highway or in shopping centers (Farmington Mall, 185th and Baseline). Commercial land along Tualatin Valley Highway consisted primarily of small parcels not conducive to large scale development. This had resulted in the rezoning of parcels at 185th and Farmington and 198th and Tualatin Valley Highway for neighborhood commercial centers.

Several light industries were located in the area, generally along the south side of Tualatin Valley Highway. The largest was the Intel facility at 198th and Tualatin Valley Highway.

### Natural Features

Geologic formations underlying the planning area include marine sediments overlain successively by Columbia River Basalt and then sedimentary deposits of sand, silt and clay. Fault traces have been mapped along the northeast base of Cooper Mountain.

Some of the area's soils are characterized by a high water table, which lies within a few feet of the surface during the winter. Some area soils have low bearing strength and a potential for shrinking and swelling.

Periodic flooding problems in the planning area occur along Butternut Creek; just west of SW 170th Avenue between Farmington Road and Tualatin Valley Highway; and in some areas along Beaverton Creek.

In 1983, approximately 638 forested acres providing wildlife habitat were identified in the area, most on Cooper Mountain but also on Madrona Terrace located southeast of SW 170th Avenue and SW Davis Road and along Beaverton Creek. In addition to this acreage, other natural resource areas were identified in the 2018 Cooper Mountain UGB expansion area. These included the McKernan Creek stream complex that contained high-quality riparian and upland habitats connecting to the Cooper Mountain Nature Park and the stream corridor that connects to Summer Creek. This area contained County-identified Goal 5 resources and mapped Metro Title 13 Type I and Type II Riparian Wildlife Habitat and Class A and Class B Upland Wildlife Habitat. This UGB expansion area also included a small portion of Goal 5 resource designated "Mining District B" associated with the Farmington/Baker Rock Quarry.

Ground water found in the underlying Columbia River Basalt was withdrawn at an excessive rate from the Cooper and Bull Mountain areas during the 1960's, causing a decline in the water table of as much as 8-10 feet per year. State designation of the area as a "critical ground water area" in 1977 brought a moratorium on new wells and limitations on pumping from municipal wells.

The Progress Rock Quarry, between SW Old Scholls Ferry and SW Scholls Ferry Roads and the Cobb, Karban, and Baker Quarries, just west of the planning area and south of SW Farmington Road, mine Columbia River Basalt which is crushed and used as a road base. Noise, truck traffic and dust associated with resource extraction operations can be a problem when residences are located nearby.

## Transportation

Most streets in the area have not been built to recommended design standards. While a number of significant transportation projects affecting this area have been completed during the last twenty years (e.g., 185th, Baseline, 170th, Westside Light Rail), numerous other transportation improvement projects have been identified as being needed in the Washington County Transportation System Plan. Road maintenance projects by the county have improved community road conditions somewhat.

The planning area is directly served by Westside Light Rail transit and TriMet bus service. TriMet also provides park and ride lots near Light Rail stations. Transit bus routes and frequencies are reviewed annually and modified as priorities and resources direct. (TriMet provides opportunities for area residents and local governments to participate in this process.)

The Transportation System Plan (TSP) also identifies a number of bicycle and pedestrian routes and existing and planned facilities in the planning area. Many bikeway and sidewalk improvements have been completed as part of major roadway projects during recent years (e.g., 185th, Farmington, Baseline). Future bikeway and pedestrian projects will be completed, either as part of larger projects or stand-alone projects, as TSP priorities and resources allow.

The Southern Pacific Railroad tracks follow an east-west path along the south side of Tualatin Valley Highway, through the community. Crossing guards and warning lights have been installed at all street crossings of the tracks except at SW 160th Avenue.

## Services

The planning area lies within Clean Water Services' Rock Creek service area excepting the southeast corner, which is within the Durham service area. The only portion of the planning area presently without sewer service is on Cooper Mountain. Construction of a trunk line that would serve the Scholls Ferry Road area has recently occurred, with financing through a local improvement district. Water service to most of the planning area is provided by the Tualatin Valley Water District which obtains water from City of Portland via a 60" main. Five of the District's fifteen reservoirs are in the planning area.



The Butternut Creek Drainage Basin was the subject of a recent study by the Army Corps of Engineers (1979) which proposed solutions to existing flooding problems.

With the exception of the Reedville area and a portion of the Cooper Mountain area, most of the planning area lies within the Tualatin Hills Park and Recreation District. The planning area contains approximately 84 acres of park land, either owned or used by the District. Approximately half this acreage is now undeveloped.

The planning area is served by three public school districts. Beaverton School District serves most of the Aloha area. The Reedville School District and the Hillsboro Union High School District serve the western portion of the planning area. Fire protection in the planning area is provided by Washington County Fire District #1. The District operates two stations in the community, one located at 209th and Blanton and the other on Cooper Mountain, at 175th Ave. (Reusser Rd.) and Weir Road.

## Community Plan Overview

### Community Design

This section addresses concerns relating to the design of development in the Aloha-Reedville-Cooper Mountain Planning Area.

#### General Design Elements:

The general design elements listed below pertain to development in the Aloha-Reedville-Cooper Mountain Planning Area as a whole.

1. In the design of new development, flood plains, drainage hazard areas, streams and their tributaries, riparian and wooded areas, steep slopes, scenic features, and powerline easements and rights-of-way shall be:
  - a. Used to accent, define, or separate areas of differing residential densities and differing planned land uses;
  - b. Preserved and protected to enhance the economic, social, wildlife, open space, scenic, recreation qualities of the community; and
  - c. Where appropriate, interconnected as part of a park and open space system.
2. Master Planning-Primary Use or Planned Development procedures and standards shall be required for development on land which includes a Significant Natural Resource as a means of protecting the resource while accommodating new development. A density transfer from the resource area to the buildable portion shall be allowed for any Significant Natural Resource site as specified in the Community Development Code.
3. Open space shall be utilized for park and recreation facilities or passive recreation and dedicated to the appropriate recreation service provider whenever feasible.
4. Significant historical and cultural resources shall not be altered, defaced, demolished or relocated without first obtaining a development permit as provided for in the Historic and Cultural Resource Management Overlay District contained in the Community Development Code.
5. Portions of the Planning Area are currently outside the boundaries of the Tualatin Hills Park and Recreation District. Residents and property owners in these areas should seriously consider annexing to the Tualatin Hills Park and Recreation District in order to assure the acquisition, development, and maintenance of a park and recreation system.

6. Trees located within a Significant Natural Resource area shall not be removed without a development permit for tree removal having first been obtained, as provided for within the Community Development Code. A permit shall not, however, be required for tree removal from powerline rights-of-way, public parks and playgrounds, or mineral and aggregate sites.
7. All new subdivisions, attached unit residential developments, and commercial developments shall provide for pedestrian/bicycle pathways which allow public access through or along the development and connect adjacent developments and/or shopping areas, schools, public transit, and park and recreation sites.
8. Pedestrian/bicycle pathways identified in the county's Transportation System Plan and this Community Plan shall be included in the design of road improvements that are required of new developments to meet the county's growth management policies.
9. The county shall emphasize non-auto (transit, bicycle, and pedestrian) measures as an interim solution to circulation issues. These measures shall be used to facilitate access to transit centers.
10. Noise reduction measures shall be incorporated into all new developments located adjacent to Arterial or Collector streets or rock quarries. Noise reduction alternatives will include vegetative buffers, berms, walls and other design techniques such as insulation, setbacks, and orientation of windows away from the road.
11. Where the impact of noise and lighting associated with commercial development does not meet the standards in the Community Development Code, the commercial development shall be subject to limited hours of operation.
12. New development within the Planning Area shall be connected to public water and sewer service; except as specified in the Community Development Code.
13. New development shall, when determined appropriate through the development review process, dedicate right-of-way for road extensions and alignments indicated on Washington County's Transportation System Plan or the Aloha-Reedville-Cooper Mountain Community Plan. New development shall also be subject to conditions set forth in the county's growth management policies during the development review process.
14. Maintenance of existing housing and neighborhoods in the community shall be encouraged through public financial assistance where appropriate (e.g., Federal Community Development Block Grant funds) and through consistent enforcement of the Community Development Code.
15. New access onto Arterial and Collector streets shall be limited. Shared or consolidated access shall be required prior to the issuance of a development permit for land divisions or structures located adjacent to these facilities, unless demonstrated to be infeasible. T.V. Highway Corridor subarea design elements shall apply in that subarea (as defined in Design Element 1 of that subarea).
16. Bicycle parking facilities shall be required as a part of all commercial, industrial and institutional developments. Residential developments which have parking lots of 20 or more spaces shall provide bicycle parking facilities.
17. Much of the Aloha-Reedville-Cooper Mountain Planning Area has been partitioned into relatively small lots that may be difficult to develop individually. In such situations significantly higher residential densities are sometimes planned, in part to encourage lot consolidation and redevelopment. If lot consolidation is not accomplished, the applicant for a development permit for a land division or structure shall be required to prepare a site plan for the subject lot and all abutting lots, showing building locations, parking, auto and pedestrian circulation, and landscaping. This site plan shall comply with county design standards, and shall demonstrate that the proposed

development does not preclude further development on the abutting lots at the maximum permitted density.

18. Establishment of the entire width of power line rights-of-way as public access open space shall be encouraged. At a minimum, however, a sufficient amount of open space allowing for a continuous pedestrian/bicycle corridor along the length of each right-of-way shall be dedicated for public use unless determined to be inappropriate through the development review process.
19. Many existing residential developments in the plan area were developed under the Planned Residential (PR) District or through the Planned Unit Development (PUD) process. In several cases approvals secured through the PR or PUD process sanction densities and unit types which would otherwise be prohibited by the plan designation. Such developments shall be considered to be conforming to the plan designation with respect to density, unit type, lot size and dimension standards if such provisions were sanctioned by a previous PR or PUD approval. Where feasible, all residences which are remodeled or rebuilt shall be brought into conformance with all applicable development standards except density, lot area and lot dimension standards.
20. Citizen participation in future Aloha-Reedville-Cooper Mountain Community transportation planning shall be encouraged through CPO representation on CAC (Citizen Advisory Committee) and TAC (Technical Advisory Committee) groups.
21. The required amount of parking for development shall be determined by the parking maximum designations and the standards of the Community Development Code.

## Subareas

The planning area can be divided into subareas that are distinguished by the similar types of land uses planned within each area. Presented below are: (1) a characterization of plan intent for each of six general subareas of the Aloha-Reedville-Cooper Mountain Planning Area, and (2) following each subarea characterization, a set of design elements applicable to development on properties in these subareas. Included within the design elements are prescriptions for Areas of Special Concern identified on the plan map.

### North Residential Area

This area is generally bounded on the north, east and west by the planning area boundary and on the south by Johnson Street. The area is almost entirely residential, with the exception of a few institutional uses (schools, parks and churches) and one Neighborhood Commercial center.

The Neighborhood Commercial center (Baseline Mall) is located at the intersection of two Arterial roads, Baseline and 185th. It serves much of this subarea, as well as areas to the north and east, and is over a mile and a half from any other existing or planned Neighborhood Commercial center or Community Business District.

Next to the Neighborhood Commercial center, but away from the intersection, is an existing R-24 residential development. Vacant property between these residences and the surrounding low density residential development at up to 15 units per acre, thereby providing a transition between lower and higher densities. This pattern is generally followed throughout the subarea with higher density uses planned for properties fronting on or near major streets such as Baseline, 185th, 219th and to a lesser extent, Johnson and 197th/198th, decreasing to lower densities as the distance from Arterials and Collectors increases.

It is projected that considerable employment generating industrial development will occur to the north and west of the intersection of 219th and Baseline. A Neighborhood Commercial site is also designated near

the intersection by the East Hillsboro plan. Therefore, medium density uses are planned near this intersection and to the east along the south side of Baseline.

### Design Elements:

1. To preserve wildlife habitat and wetland attributes the Beaverton Creek and Willow Creek drainageways, including the immediately adjacent riparian zone, shall be retained in their natural condition in keeping with the provisions of the Community Development Code.
2. The drainageway and adjacent riparian zone running from a point just west of 201st to the Beaverton Creek drainageway shall be retained in its natural condition in keeping with the provisions of the Community Development Code.
3. The drainageway and adjacent riparian zone running from 211th Avenue to Baseline Road shall be retained in its natural condition in keeping with the provisions of the Community Development Code.

**Area of Special Concern No. 1:** Properties in this area are planned for residential development at R-15 densities. Many of these parcels may be too small to allow for an optimal project design when developed at these densities unless they are consolidated or developed under a joint site plan.

Therefore, the development strategy prescribed by general design element No. 17 shall be strictly applied in this area. In addition, because of the proximity of this property to the low density (R-6) residential area to the south, special consideration shall be given to the design of projects at the interface of differing densities.

The circulation system in this area shall be designed to prevent the possibility of traffic flowing from the higher density area south through the low density area on local and neighborhood route streets. All traffic flow from the higher density area should be directed to Baseline Road or 219th Avenue.

**Area of Special Concern No. 2:** Properties in this area are planned for residential redevelopment at R-15 densities. Many are too small to be efficiently developed at the planned densities unless they are consolidated or developed under a joint site plan. Additionally, many of the streets serving the area are substandard and may be inadequate to handle traffic from development at the planned densities. This area also abuts several existing low density residential developments.

Given all these concerns: (1) general design element No. 17 shall be strictly applied here; (2) the County growth management policies shall be applied to the review of developments in the area so as to assure that the cumulative impact of development in the area is considered when reviewing each individual development; and (3) special care shall be given to the design of higher density residential projects that abut existing low density residential areas.

## Tualatin Valley Highway Corridor

This area extends along the length of the Tualatin Valley Highway as it passes through the planning area. The area's boundaries are generally Johnson Street on the north and Blanton Street on the south, although the area extends further south near the intersection of the Tualatin Valley Highway and 185th Avenue. The area's boundaries overlap significantly with the Aloha Town Center designation, which was adopted into the County's Comprehensive Framework Plan for the Urban Area (CFP) to comply with Metro's 2040 Growth Concept. The location and extent of the Aloha Town Center designation is shown on the Town Center Boundaries Map of CFP Policy 40, Regional Planning Implementation. The east and west boundaries of the Aloha Town Center designation correspond with the east and west boundaries of this area, but its north and south boundaries extend slightly outside of this area.

Most of this area is planned for more intensive development such as stores, offices, industries and higher density residences. The most intensive development is concentrated in the Community Business District (CBD) along Tualatin Valley Highway, which extends in an east-west direction on the north side of the highway between SW 170th and 209th, and the Community Core Mixed-Use (CCMU) District at the intersection of SW 185th Avenue and Tualatin Valley Highway.

In 2011, approximately 1,063 acres west of SW 209th Avenue were added to the Regional Urban Growth Boundary (UGB) through Metro Ordinance 11-1264B and confirmed by legislation in 2014 through House Bill 4078. Of this total acreage, 154 acres were included in the Tualatin Valley Highway Corridor Subarea and the remainder were in the Central Residential Area Subarea. The City of Hillsboro completed the planning for these added lands in compliance with Title 11 of Metro's Urban Growth Management Functional Plan. These areas are designated FD-20 until annexation occurs by the City of Hillsboro; the city is annexing these lands incrementally.

In 2014, the County completed the Aloha-Reedville Study and Livable Community Plan, which provided broad land use and transportation recommendations for the entire Aloha-Reedville area. In 2017, the County completed the Aloha Tomorrow Study, which examined a smaller focus area within the Aloha Town Center and provided more specific land use recommendations for that area. That smaller focus area is wholly within the Tualatin Valley Highway Corridor Subarea, and is addressed in Area of Special Concern No. 3A.

To the immediate south of the CBD and CCMU districts, properties fronting on SW 185th Avenue are designated Office Commercial to buffer nearby residential areas from traffic impacts. Properties along the south side of Tualatin Valley Highway, south of the Southern Pacific right-of-way, are generally designated either mixed-use, high density (25 or more units per acre) residential, or industrial, depending on existing development commitments.

Neighborhood Commercial sites are located at the SW 198th and Shaw intersection and the SW 219th and Tualatin Valley Highway intersection. Commercial development on these sites, which are over a mile from other neighborhood commercial areas, is designed to serve residences planned on surrounding properties.

With the exception of existing subdivisions, much of the area between SW Alexander and Johnson Streets is planned for higher-density residences due to the proximity to the CBD and CCMU districts and good traffic and transit access. The eastern portion of this corridor between SW 160th and the Beaverton city limits contains large parcels that have been developed with higher-density residential uses, consistent with their higher-density residential designation. These parcels have good access to Tualatin Valley Highway and offer excellent access to public transit. Existing employment-intensive industries such as Tektronix, Intel, and Nike are also nearby.

## Design Elements:

### 1. Access Management Plan

- a. **Project Area.** This design element and design elements 2 and 3 for this subarea shall apply only in that portion of the Tualatin Valley (T.V.) Highway Corridor subarea defined as follows: That area bordered by 170th Ave. on the east and 209th Ave. on the west; the Southern Pacific ROW on the south extending to the south side of the Alexander Street ROW on the north; including the contiguous CBD area north of Alexander Street adjacent to 185th Ave.; and also that area bordered by and including 209th Ave. on the east to 219th on the west, the Southern Pacific ROW on the south to the northern terminus of the commercial and industrial designated area south of SW Johnson Street on the north.
- b. **Access Standards.** The following access standards shall be defined as an Access Management Plan. The intent of this plan is to promote safety and facilitate traffic flow by consolidating access points yet provided direct individual or shared access to all existing



parcels. The access standards shall remain in effect until the completion of a T.V. Highway Preliminary Engineering Analysis including County Board of Commissioners action on a preferred improvement alternative.

The ultimate access spacing standard is 360' between access points in the 45 m.p.h. zones and 240' in the 35 m.p.h. zones on T.V. Highway. An intermediate standard of 150' between access points is provided in order to assure direct or shared access to those narrow parcels of less than 360' or 240' respectively in width.

- c. **Implementation Procedure.** The application of this design element shall be triggered by land use actions meeting the definitions of New Development or Redevelopment. The terms New Development and Redevelopment are used only in the context of access control and internal block circulation. Permits for site or structure improvements may be issued but only when the criteria for New Development or Redevelopment are met shall the process of Development Review (formerly known as Design Review) consider access control and internal block circulation.

**New Development** is defined as: any change or changes on the parcel producing a 25% increase in projected driveway vehicle trips to and from T.V. Highway at a.m. or p.m. highway peak hours and for which there has not previously been a completed Development Review. When more than one parcels are assembled identifying a new property configuration and use, the new parcel will be defined as New Development if Development Review has not been previously completed.

**Redevelopment** shall be defined to occur if any of the following conditions are met for parcels which previously have completed Development Review: 1) Projected additional 200 a.m. or p.m. roadway peak hour vehicle trips. This shall be in accordance with the current ITE Trip Generation Manual; 2) Any change in land use designation; 3) There is a 100% increase in driveway volume; or 4) more than one parcels are assembled identifying a new property configuration and use.

- d. **Application of Standards.** Except as stipulated under ORS 374.310, ORS 36.320 and OAR Chapter 734 - Division 50 (Highway Division) the following standards shall apply along T.V. Highway on land designated for commercial, industrial or higher density residential (R-24 and R-25+) use. These standards shall be applied consistently through the Development Review process in a manner that reflects highway safety, the location of the site, the nature of the business proposed, the design of the site, proposed and existing buildings on the site, and buildings on adjacent properties with approved site plans. At the time of Development Review, CPO #6 and ODOT will receive from Washington County Land Use & Transportation Department a copy of all development applications with designs for review and comment.

1) Single Family Residence

Driveway access to all existing single family residences on T.V. Highway shall be honored pursuant to ORS 374.

2) Non-residential shared access for minimal spaced parcels

Except where operational or safety problems are identified through a T.V. Highway traffic circulation study provided by the property owner and acceptable to ODOT, direct access to properties with less than 150' along T.V. Highway shall be shared with adjacent properties.

Lots with frontage equal to or greater than 150' along T.V. Highway shall be permitted individual direct access. For such properties, single driveways are preferred except where physical, safety or economical constraints require additional driveways. For lots



on T.V. Highway this will be determined through the ODOT accepted traffic circulation study.

3) Non-residential direct access and shared access for parcels with frontages equal to or greater than shown for T.V. Highway above (2)

Lots with frontage equal to or greater than the amounts shown above (2) on T.V. Highway shall be permitted individual direct access. The maximum practicable driveway spacing will be sought. For such properties, single driveways are preferred except where physical, safety or operational constraints require additional driveways. On T.V. Highway this will be determined through the ODOT accepted traffic circulation study. Existing or assembled lots with frontage equal to or greater than 240' in the 35 m.p.h. zones or 360' in the 45 m.p.h. zones on T.V. Highway shall be permitted individual direct access in compliance with the ultimate standard spacing or as modified through an ODOT accepted traffic circulation study.

Adjacent properties along T.V. Highway that together are equal to or greater than the 240' in the 35 m.p.h. zones and 360' in the 45 m.p.h. zones may share access when the adjacent properties trigger the New Development review and when adjacent property owners agree. Driveway location determination will be made through an ODOT accepted traffic circulation study.

All accesses that have received Development Review approval since the adoption of Development Review provisions by Washington County in 1973 shall be preserved except as may be modified by Oregon Administrative Rule Chapter 734, Division 50 - Highway Division.

In addition, no additional joint use of any such approved driveways will be required (i.e., no change in existing conditions of access) except when redevelopment as defined above occurs.

4) Lots with Previous Development Review Approval and not Redeveloping

All accesses that have received Development Review approval since the adoption of Development Review provisions by Washington County in 1973 shall be preserved except as may be modified by Oregon Administrative Rule Chapter 734, Division 50 - Highway Division. In addition, no additional joint use of any such approved driveways will be required (i.e., no change in existing conditions of access) except when Redevelopment as defined above occurs.

5) Access Points within 200' of Major Signalized Intersections

Since access points within 200' of major signalized intersections can have a significantly adverse effect on T.V. Highway traffic flow, it is desirable to minimize new access points within the parameters listed above. On New Development or Redevelopment, approved access shall be located at the greatest distance from the intersection on site parcels along the T.V. Highway within the findings of an ODOT approved circulation study.

6) Properties Adjacent to Those with Prior Development Review

On those sites where all adjacent properties have received Development Review approval, shared access shall not be required unless agreed to by an adjacent property owner, or when either adjacent property triggers Development Review by meeting the criteria of New Development or Redevelopment.

7) Non-residential - Provisions of Access Easements for Internal Circulation Between Adjacent Properties

Land owners will provide access easements for internal circulation between adjacent properties within a block where feasible. Feasibility shall be determined during the Development Review process considering such factor as on-site existing and proposed building(s), parking and driveway locations, existing adjacent building(s), parking and driveways on adjacent parcels, natural constraints, and approved adjacent site plans. It is the intent to this internal access system to ultimately provide for interconnecting vehicular circulation via private driveways supportive of property development plans and to remove short local trip making from the T.V. Highway. When internal circulation is determined to be feasible under the above criteria, the design of on-site parking and circulation patterns for New Developments or Redevelopments shall attempt to accommodate future easements across adjacent property lines.

No operational or physical changes will be required of any property which is not a part of the application beyond that which was previously determined during the New Development or Redevelopment review specifically applicable to that property.

Additionally, on existing developments which have received Development Review approval, the requirement for internal circulation easements shall preserve the same numbers of parking spaces on-site and same internal circulation pattern unless mutually agreed upon by the affected property owners.

Compliance with this design element shall not cause non-compliance with parking requirements on those properties that have previously received Development Review approval.

2. T.V. Highway Improvements

The improvements to the facilities defined below shall be as described. In addition, ODOT shall be requested to undertake a preliminary engineering study of the T.V. Highway to determine possible need for and appropriate placement of: additional travel lane(s), traffic signal(s), and bicycle path(s). The study will be requested to be included in the 1987-1992 ODOT Six-Year Highway Improvement Program. The engineering study will be recommended to start no later than fiscal year 1988.

- a. T.V. Highway - Center Median: All medians will remain painted for use as a vehicle storage and turn lane where possible. This painted median will be the same elevation plane as the adjacent highway driving surface.
- b. T.V. Highway - Parking: On-street parking will not be allowed along the north side of the highway between SW 170th and SW 219th Ave. ODOT will be requested to sign the no parking section.

3. Transit Improvements

The Access Management Plan includes a map which prescribes recommended locations of and general design for transit improvements. This shall be utilized through the Development Review Process in determining final site designs.

4. Riparian/Drainageway Areas

The drainageway and adjacent riparian zone running between Alexander Street and Sandra Lane shall be retained in its natural condition in keeping with the provisions of the Community Development Code.

**Area of Special Concern No. 3.** This area is contiguous with Area of Special Concern No. 2, and shares similar design and development issues. These issues are magnified here because the planned densities are higher (R-15 and R-24 designations) and the points of interface with existing low density residential developments are more numerous. Given these same concerns, the design elements applied to Area No. 2 shall also be applicable here.

**Area of Special Concern No. 3A.** This area, which represents a smaller focus area of the larger Aloha Town Center designation in the CFP, was the subject of the County's Aloha Tomorrow Study (2017). Properties within this area have Pedestrian-Oriented Mixed-Use District designations of Community Core Mixed-Use (CCMU) District and Neighborhood Mixed-Use (NMU) District. These designations are intended to encourage pedestrian-oriented and transit-supportive development, and a vibrant mix of residential, commercial and institutional land uses.

The Aloha Tomorrow Study recommended that the segment of SW Alexander Street between SW 178th Avenue and SW 192nd Avenue be improved to function as a "main street" for the area. The study's recommended conceptual design for this Alexander Street segment included on-street parking. The presumption is that when this Alexander Street segment is improved in the future, there will be on-street parking on both sides of the street. Details on the design of this Alexander Street segment will be determined as part of future improvements to the street.

The ASC 3A requirements described below (Primary Frontages and Prominent Corners) both relate to the goal of promoting this segment of Alexander Street as a "main street" for the area, with a mix of residential and commercial uses along both sides of the street and buildings located close to the street.

Primary Frontages:

The segment of SW Alexander Street between SW 178th and SW 192nd Avenues is designated as a Primary Frontage.

For through lots with frontage on SW Alexander Street, proposed development shall, at a minimum, comply with the CDC Pedestrian-Oriented Mixed-Use Districts development standards and street frontage occupancy requirements on the Primary Frontage (Alexander Street).

Prominent Corners:

The SW Alexander Street corner sites listed below are highly visible within this "main street" area, and are well-positioned to activate and add interest to the street's pedestrian realm. These corner sites are designated as Prominent Corners, and are subject to the CDC Pedestrian-Oriented Mixed-Use Districts development standards for Prominent Corners:

- a. Alexander Street at SW 178th Avenue (northwest and southwest corners only)
- b. Alexander Street at SW 182nd Avenue (all four intersection corners)
- c. Alexander Street at SW 185th Avenue (all four intersection corners)
- d. Alexander Street at SW 187th Avenue (all four intersection corners)
- e. Alexander Street at SW 192nd Avenue (northeast and southeast corners only)

**Area of Special Concern No. 4.** Properties within this area are planned for redevelopment to a residential density of up to 24 units per acre. Since much of the area consists of relatively small lots, general design element No. 17 shall be strictly applied here.

**Area of Special Concern No. 5.** Properties within this area are primarily designated for higher density residential development at up to 24 units per acre. Due to the large number of small parcels in the area, general design element No. 17 shall be strictly applied here.

**Area of Special Concern No. 6.** This area is planned for redevelopment to Office Commercial uses. Due to problems with lot depth and access management, the following design elements shall apply in this area.

- a. A maximum building height limited to 35 feet.
- b. Access shall be from adjacent local streets or combined driveways, to reduce traffic conflicts on 185th.

**Area of Special Concern No. 7.** This area has the potential to be a well-designed, higher density residential neighborhood. To accomplish this:

- a. Abutting lots must be consolidated or jointly planned for development, consistent with general design element No. 17.
- b. The extension of Blanton Street from 160th to Farmington, as conceptually described on the plan map, shall be assured through the development review process as the area develops. This will provide internal circulation within the area.
- c. Pedestrian circulation within new development shall allow access to the park and ride facilities on Tualatin Valley Highway.
- d. Open space, pedestrian and bikeway facilities shall be established within the power line right-of-way in conjunction with the development of adjacent properties.
- e. Pedestrian access shall be assured across Tualatin Valley Highway to development and park facilities north of the highway.

## Central Residential Area

This area lies between the Tualatin Valley Highway and Farmington Road corridors and is generally bounded on the east by 160th Avenue and by the properties to the west of 209th Avenue. The area is transected by several Arterial and Collector roads, including 160th, 170th, 185th, 198th, 209th and Kinnaman. The properties to the west of 209th Avenue, between McInnis Lane and Rosedale Road, were added to the Regional Urban Growth Boundary in 2002. This area is designated Future Development - 20 Acres (FD-20) and is approximately 200 acres in size. The predominant land use is agricultural and residences on small acreage.

In 2011, approximately 1,063 acres west of SW 209th Avenue were added to the Regional Urban Growth Boundary (UGB) through Metro Ordinance 11-1264B and confirmed by legislation in 2014 through House Bill 4078. Of this total acreage, 909 acres are included in the Central Residential Area Subarea with the remainder in the Tualatin Valley Highway Corridor Subarea. The existing land use of the added lands is agricultural, with some single family residences on smaller parcels.

Residences east of 185th tend to be older than those west of 185th. Many are located on larger lots which have good redevelopment potential. Because of proximity to Farmington Road, Tualatin Valley Highway, the Aloha Community Business District, Farmington Mall and the St. Mary's property, these larger, unplatted properties are given a slightly higher density residential designation (R-9) than under the previous plan of development.

Most of the area west of 185th is planned to remain low density residential (R-5 or R-6 designations), reflecting its present character and lotting pattern as well as its greater distance from activity centers and transportation corridors. The exceptions to this are the large properties along 209th and 198th that are

designated for low-medium or medium (R-9 or R-15 designations) density residential development because of their direct access to a Collector or Arterial street.

The properties west of 209th Avenue shall maintain the FD-20 designation until the city of Hillsboro completes urban planning for the South Hillsboro Planning Area and annexes land into the city. Planning for this area shall be consistent with the requirements of the Comprehensive Framework Plan for the Urban Area and Title 11 of Metro's Urban Growth Management Functional Plan.

### Design Elements:

1. The portion of Butternut Creek between 209th Avenue and the eastern property line of the Butternut School grounds is probably the most significant wildlife habitat and wetland area in the planning area. Because of this significance, this portion of the creek, including all adjacent riparian vegetation and stands of mature trees, should be acquired by the public through purchase or land dedication in association with the development process. In any case, this area shall be retained in its natural condition in keeping with the provisions of the Community Development Code.

## Farmington Road Corridor

The Farmington Road corridor angles diagonally across the planning area in a west/southwest direction. Farmington is an Arterial with some transit service.

Some properties along Farmington are already developed with higher intensity uses including the Farmington Mall, a few convenience stores, several apartment projects, two mobile home parks, Mountain View Middle School, and three churches. The Jenkins Estate, operated by Tualatin Hills Park and Recreation District (THPRD), is located southwest of the intersection of Farmington Road and 209th Avenue. Transportation access and public transit service make many properties in this corridor, including most developable and re-developable properties up to one-quarter mile north and south of Farmington, suitable for higher intensity use.

The Community Plan map shows three Neighborhood Commercial centers located along Farmington at its intersections with 170th, 185th, 195th and 209th Avenues. All of these are located approximately one mile from other commercial areas, with the exception of the Neighborhood Commercial properties at 185th and Farmington, which are about a quarter mile from the Farmington Mall.

Other undeveloped or underdeveloped properties along or near Farmington, but away from major intersections, are appropriately designated for residential development at up to 15 or 24 units per acre. The highest densities occur close to commercial centers, especially around Farmington Mall and the planned Neighborhood Commercial center at Farmington and 156th. The latter is also close to a park and ride facility (see the characterization of the Tualatin Valley Highway corridor), and a major employment center (St. Mary's property/Tektronix/Floating Point Systems/Nike).

The area to the west of 209th Avenue, between Farmington Road and Rosedale Road, was added to the Urban Growth Boundary in 2002 and is designated Future Development - 20 Acres (FD-20). The area is approximately 45 acres in size. The predominant land use is residential/agricultural on small acreage. The area shall maintain the FD-20 designation until the planning for this new urban area is complete. The planning for this area shall be consistent with the requirements of the Comprehensive Framework Plan for the Urban Area and Title 11 of Metro's Urban Growth Management Functional Plan.

### Design Elements:

1. Publicly owned access to Winterborne Park from the residential area west of the park is presently possible at only one point off of 196th Avenue. This access traverses a drainage detention area, and becomes almost impassable when the area is wet. Public access to the park from the adjacent

neighborhood must be improved before or in conjunction with the development of tax lot 1400 on map 1S2 24AC.

2. To ensure compatibility of all new and existing development on the site, no development permit for a structure or land division shall be issued for the property designated Neighborhood Commercial at approximately 156th and Farmington (tax lot 400 on map 1S1 17AC) until a master plan-site analysis for the entire site is approved by the county.
3. The Johnson Creek drainage running between Tualatin Valley Highway and Farmington Road, including all adjacent riparian land and stands of mature trees, shall be retained in its natural condition in keeping with the provisions of the Community Development Code.
4. The portion of the Johnson Creek drainageway and the adjacent riparian zone running between Farmington Road and the Beaverton city limits shall be retained in its natural condition in keeping with the provisions of the Community Development Code.
5. The portion of the Butternut Creek drainageway and the adjacent riparian zone running north of Farmington road on lot 100 of Tax Map 1S1 18CA shall be retained in its natural condition in keeping with the provisions of the Community Development Code.
6. The Neighborhood Commercial site at the southwest corner of 195th Avenue and Farmington Road shall not be allowed direct access to Farmington Road. Access shall be taken only from 195th Avenue and the point of access shall be at the maximum distance possible from the intersection.

**Area of Special Concern No. 8.** The properties in this area are planned for residential development at up to 15 or 24 units per acre. Since several are too small to be efficiently developed individually general design element No. 17 shall be strictly applied here.

**Area of Special Concern No. 9.** To ensure compatibility of all new and existing development in the Community Business District at Farmington and Kinnaman (a.k.a. the Farmington Mall), a master plan-site analysis for the entire site shall be completed and approved by the county prior to land division or issuance of development permits for structures.

## Cooper Mountain Area

This subarea is generally a lower density residential area south of the Farmington Road corridor. It includes Cooper Mountain and areas around its base, as well as the majority of Jenkins Estate, a facility operated by Tualatin Hills Park and Recreation District (THPRD). This subarea is bounded on the south and east by Beaverton, and on the west by the UGB. Several major streets traverse the area, including 155th, 170th, 175th, and 185th Avenues, and Hart, Bany, and Rigert Roads. Other roads on the east flank of the mountain, including Nora/Beard, Satterberg and Weir Road, were planned in 1983 for improvement, realignment or extension.

In 2002, Metro expanded the UGB to include approximately 509 acres south of Gassner Road. The predominant land use of this area is single family residences on small acreage, as well as agricultural and forestry uses. The southeast corner of the area includes property Metro purchased through its Greenspaces Program, which will be developed in accordance with the master plan created for the Cooper Mountain Natural Area. The properties in this area are designated Future Development-20 Acres (FD-20) and will maintain this designation until the planning for this new urban area is complete. The planning for this area shall be consistent with the requirements of the Comprehensive Framework Plan for the Urban Area and Title 11 of Metro's Urban Growth Management Functional Plan.

The Cooper Mountain Natural Area Master Plan was developed and adopted by Metro in 2005 and subsequently adopted by Washington County in 2006. The regional park and natural area is on the



southwestern slope of Cooper Mountain, south of Kemmer Road and east of Grabhorn Road. The natural area offers views of the Tualatin River Valley and Chehalem Mountains, interpretive facilities, ADA-accessible trail loops, hiking trails, and trails available for equestrian use. The park is inside the UGB and is designated Future Development 20-Acre District (FD-20).

The 2018 UGB expansion, approved by the Land Conservation and Development Commission in 2019, included approximately 1,232 acres of the Cooper Mountain Urban Reserve area (6B) on the west side of Beaverton, north of SW Scholls Ferry Road. The entire area was concept planned by the city of Beaverton in coordination with Washington County. The area's topographical features and environmental assets present unique challenges for development, resulting in less than half of the area being buildable. The concept plan for the Urban Reserve area included six neighborhood parks and a community park, connected to one another and neighborhoods by trails, including a proposed regional trail along McKernan Creek. Additional trails are planned to connect Winkelman Park and Cooper Mountain Nature Park, as well as Mountainside High School in South Cooper Mountain and neighborhoods to the east.

In 1983, the Community Plan map designated much of the Cooper Mountain subarea for low density residential development (R-5 or R-6 designations). This was done because the area is some distance from Arterials and employment centers and has steep slopes in some locations which make access and development somewhat difficult. In 2020, the County designated the UGB expansion area lands as FD-20, which allows limited land uses and is considered an urban holding district until properties are annexed to the city. Beaverton's Comprehensive Plan anticipates this area to develop as a mix of standard-, medium-, and high-density residential.

Two Neighborhood Commercial sites were located in this subarea to serve as focal points for neighborhood activity and to provide close convenience shopping opportunities. One was located at the southeastern corner of 165th Avenue and Hart Road, near the intersection of Hart/Bany and 170th. This site was previously sanctioned for Neighborhood Commercial use when the Summercrest Planned Unit Development was approved. Another Neighborhood Commercial site was planned at the intersection of Nora/Beard Road and 155th Avenue. Both sites were over a mile from each other and from similar commercial areas.

Large uncommitted properties near these neighborhood commercial sites are designated for residential development at up to 9, 15 or 24 units per acre to allow for greater housing choice in the area. Future residents will be close to convenience shopping facilities and major roads. Therefore, they will have less need of using their autos for shopping. When residents choose to drive, they will not need to travel on local streets through existing neighborhoods.

## Design Elements:

1. There are several large forested areas on the north slope of Cooper Mountain which are traversed by small streams and have significance as wildlife habitat. These are also outstanding scenic features, as viewed from the valley floor to the north. The natural character of these forested areas shall be retained through careful development of properties which include them. Open space created in these forested areas through the Master Planning Process should be contiguous. Streams and adjacent riparian land in these forested areas shall be retained in their natural condition in keeping with the provisions of the Community Development Code. Exceptions may be allowed for the establishment of regional stormwater detention facilities.
2. The portion of the Johnson Creek drainageway and the adjacent riparian zone running northerly from Davis Road to the Beaverton City Limits shall be retained in its natural condition in keeping with the provisions of the Community Development Code.
3. The forested hill south of Davis Road between 170th and 155th Avenues is an outstanding scenic feature, as viewed from the surrounding area, and also offers outstanding views of the surrounding area from the power line right-of-way which traverses the top of the hill. To preserve the scenic attributes, the following shall apply to the area:

- a. Development of the area shall occur in a manner which preserves the forested appearance of the hill while allowing judicious cutting of trees and development where this appearance will not be significantly affected.
  - b. Open space created in the forested area through the Master Planning Process should be contiguous;
  - c. The powerline right-of-way segment between Davis Road and Burntwood Street shall be protected as a scenic corridor, with size, scope and appropriate restrictions on development being formulated through the Master Planning process; and
  - d. Roads that are to be built on the hill in association with development may intersect scenic points on the power line right-of-way or where trees have been removed. At these points, as determined through the Master Planning Process, turn out facilities shall be constructed as part of the road improvement.
4. Several outstanding scenic views exist at points along roads traversing Cooper Mountain. To preserve these views, the viewshed of these scenic points shall be determined through the Master Planning Process. The location and design of structures built within this viewshed shall not obscure the scenic view. Additionally, road turn out facilities shall be constructed at the scenic view point in conjunction with improvements to bring the road up to County standards.
  5. The outstanding scenic view offered from the 2.5 acre parcel located at the northwest corner of the intersection of Gassner Road and 185th Avenue (1S2 25 T.L. 102) should be preserved. Prior to the approval of any development permit for the site, the County will work with the Tualatin Hills Park and Recreation District to explore possible acquisition of the site for a park.
  6. Master Planning - Planned Development shall be required on land located at the northwest corner of the intersection of 175th Ave. (Reusser Rd.) and Kemmer Road (1S1 30C T.L. 100). Emphasis shall be placed on preservation of the scenic views from the southeast corner of the site through establishment and dedication of a minimum of 15% of the site as public open space.
  7. The character of the wildlife habitat located at the northwest corner of Weir Road and 155th Avenue shall be preserved to the maximum extent feasible, while allowing for its development. Open space established through the Master Planning Process should be offered for dedication as a park and wildlife preserve. Public open spaces created through the Development Process should be contiguous wherever feasible.
  8. To ensure compatibility between new development and surrounding existing residential development, developers of the Neighborhood Commercial site designated at the southeast corner of 165th Avenue and Hart Road (tax lot 200 on map 1S1 20CC) shall be required to prepare a master plan-site analysis prior to any land division or issuance of development permits. Development planned for the site shall meet the following criteria:
    - a. building appearance shall be compatible with the appearance of surrounding residences through the use of similar building materials;
    - b. signs shall be low profile, ground mounted (maximum height of four feet);
    - c. outdoor lighting shall be directed away from surrounding properties. Noise shall be controlled, particularly at night. If noise and lighting cannot be adequately controlled at night, hours of operation shall be limited.

**Area of Special Concern No. 10.** This area includes Cooper Mountain School and properties to its south and east which are designated for residential development at up to 9 units per acre. To mitigate any potential adverse impacts of development in this area on adjacent development and public facilities, the following shall be applied:

- a. Development shall be buffered from the low density residences to the east in the Summercrest development by retaining and, if necessary, supplementing, the existing conifers along the east property line of tax lot 5800 on map 1S1 19. Consideration shall also be given to dedicating the strip of land containing these trees to the Tualatin Hills Park and Recreation District, to provide pedestrian access from the Hart Road area to Summercrest Park, and to ensure adequate maintenance of the trees.
- b. To prevent an excessive amount of traffic on local streets in the Summercrest development, vehicular access from development on tax lot 5800 on map 1S1 19 to SW Hargis road shall be prohibited except for emergency purposes.
- c. Consideration shall be given to requiring, as a condition of development approval, dedication of land from tax lots 5800, 6100 and 6101 on map 1S1 19 to the Tualatin Hills Park and Recreation District for the enlargement of Summercrest Park. The land dedication from these lots should total at least four acres.
- d. Pedestrian and bicycle access to Cooper Mountain School is currently dangerous due to the lack of sidewalks and bikeways along the Collector roads serving the neighborhood (170th, Hart/Bany and Rigert). Vehicular egress from the school parking lot is also dangerous due to limited sight distance on 170th. Continuation of development in this neighborhood may exacerbate these problems, and may continue to overburden its Collector roads, which are currently substandard. These problems must be addressed, in compliance with the county growth management policies and general design element No. 8, before additional development occurs in this neighborhood. The egress problem at Cooper Mountain School should be solved by regrading 170th at the top of the hill on which the school is located, and combining the school parking lot ingress and egress at the highest point.

## Scholls Ferry Road Area

### Roads

The Washington County TSP and this plan prescribe significant improvements and changes to the existing road system in the Aloha-Reedville-Cooper Mountain Planning Area. These include widening and rebuilding roads to a standard appropriate to their designated functional classifications, and connecting, extending or realigning certain roads as prescribed in the Washington County Transportation System Plan. These improvements and changes are intended to respond to existing deficiencies in the road system and changes in the traffic flows that are projected to occur. Major changes are briefly described below. Additional information is included in the Preliminary County Transportation Plan.

Roadway projects identified as needed during the next 20 years are listed in the Washington County Transportation System Plan's Technical Appendix. In the Aloha/Reedville/Cooper Mountain area, some roadways needing improvement during that time include 209th Avenue, 185th Avenue, Kinnaman and Farmington Roads and Johnson Street.

### Transit

Transit service must become an important part of the planning area's transportation system. Improvements to the road system will be insufficient to accommodate anticipated employment and population growth unless transit service is expanded and ridership increases. The plan assumes that public transit service to the community will be improved generally, with greater frequency of service and better intra-community and inter-community access. The plan assumes that bus service will be provided to properties along Arterials and Collectors that are planned for higher density residences. This includes higher density residential areas planned near the intersection of Baseline and 219th, and between Old

Scholls Ferry and Scholls Ferry Roads. Transit policies, strategies, facilities and services are identified in the Washington County Transportation System Plan. These are implemented over time by TriMet in coordination with regional and local governments and service providers, including Washington County, as resources and priorities direct.

## Bicycle and Pedestrian Pathways

The plan assumes eventual development of all pedestrian and facilities identified in the Washington County Transportation System Plan. Generally, the Plan calls for bikeways along all Arterial and Collector roads in the area, as well as along major streams and in power line easements. The timing of pathway development will be determined by the availability of resources and the application of plan implementation priorities, as identified in the Transportation System Plan and the Washington County Capital Improvements Program.

## Local Street Connectivity

Local streets should provide routes for local trips to help keep through trips on Collector and Arterial streets. The aggregate effect of Local Street design impacts the effectiveness of the Arterial and Collector system when local travel is restricted by a lack of connecting routes, and local trips are forced onto the Arterial or Collector network. To ensure that the local street system will provide a connected network that will support local travel needs, lands that have been determined to be of sufficient size and that are candidates for development or redevelopment, are identified on the Local Street Connectivity Map. The Local Street Connectivity Map indicates where, as part of development, 1) Local Streets are required to connect to the existing system; 2) Where it is impracticable to provide a local street connection based on criteria in the Community Development Code, bicycle and pedestrian accessways are required instead.

## Pedestrian Connectivity Areas

Pedestrian connectivity areas are areas where pedestrian facilities are needed to improve local pedestrian connectivity. These are areas where the pedestrian facilities will connect neighborhoods and/or provide a more direct route for pedestrians to use. Each pedestrian connectivity area identifies the locations that are to be connected. The appropriate types of pedestrian facilities within these areas are sidewalks along streets, accessways, off-street trails, off-street pathways, or a combination of these facilities.

The pedestrian connectivity areas in this plan and their purpose are described below.

1. 106th Ave. Neighborhood (North): Connect this section of the neighborhood to the BPA Powerline Easement (future trail location) by constructing an off-street pathway from 160th Ave. to the BPA Easement.
2. 106th Ave. Neighborhood (South): Connect this section of the neighborhood to the BPA Powerline Easement (future trail location) by constructing an off-street pathway from 160th Ave. to the BPA Easement.
3. Arnold Park/185th Ave. Neighborhood: Connect Aloha Park Elementary School and Arnold Park to 185th by constructing an off-street pathway from 185th Ave. through Arnold Park to Aloha Park Elementary School.
4. 163rd Ave/Shelton Street Neighborhood: Connect 163rd Ave. to Shelton Street by constructing an off-street pathway.
5. Block bounded by SW Alexander Street, Tualatin Valley Highway, SW 187th Avenue and SW 192nd Avenue: Connect SW Alexander Street to Tualatin Valley Highway by constructing a north-south accessway through this block.

For pedestrian connectivity areas with shaded parcels, the entirety of each parcel where the pedestrian facility may be provided across is shown. For other pedestrian connectivity areas, a particular type of facility and its location is identified. Through the development review process, the appropriate type of facilities to be provided in these areas and their location will be identified, except in those areas where a specific facility is shown. The required pedestrian facilities shall be constructed as part of the development of the affected properties.

## Distribution of Planned Land Uses

Land Use Districts		Acres	Percentage
Residential 5	R-5	1,949.51	37.52%
Residential 6	R-6	1,070.78	20.61%
Residential 9	R-9	816.32	15.71%
Residential 15	R-15	478.49	9.21%
Residential 24	R-24	252.10	4.85%
Residential 25+	R-25+	56.32	1.08%
Transit Oriented Residential 9-12	TO:R9-12		0.00%
Transit Oriented Residential 12-18	TO:R12-18		0.00%
Transit Oriented Residential 18-24	TO:R18-24		0.00%
Transit Oriented Residential 24-40	TO:R24-40		0.00%
Transit Oriented Residential 40-80	TO:R40-80		0.00%
Transit Oriented Residential 80-120	TO:R80-120		0.00%
Office Commercial	OC	25.41	0.49%
Neighborhood Commercial	NC	26.55	0.51%
General Commercial	GC	26.72	0.51%
Community Business District	CBD	134.57	2.59%
Transit Oriented Retail Commercial	TO:RC		0.00%
Transit Oriented Business District	TO:BUS		0.00%
Transit Oriented Employment District	TO:EMP		0.00%
Industrial	IND	88.81	1.71%
Institutional	INST	269.75	5.19%
Total		5195.33	100.00%