



Meeting Date: July 17, 2020

**TOWN OF MORAGA**

**STAFFREPORT**

**To: Planning Commission**

**From: David Early and Carey Stone, PlaceWorks  
Afshan Hamid, Planning Director**

**Subject: Conduct a Public Hearing and Consider Adoption of Resolutions to:**

**A. Recommend the Town Council Adopt an Ordinance to:**

- 1) Adopt a new Zoning Map within the MCSP Area; and**
- 2) Update Title 8 of the Moraga Municipal Code Including Chapters 8.04 – General Provisions and Definitions, 8.24 – One, Two, and Three Dwelling Units per Acre Residential Districts; 8.32 – Six Dwellings per Acre Multifamily Residential District (R-6); 8.34 – Twenty Dwelling Units per Acre Residential District (R-20); 8.36 – Community Commercial District; 8.40 – Limited Commercial District; 8.44 – Suburban Office District; 8.48 – Planned Development District; 8.50 – Planned Development-Commercial (PD-C); 8.52 – MOSO and Non-MOSO Open Space Districts; 8.56 – Institutional District; 8.60 – Study District; 8.76 – Off-Street Parking and Loading; 8.124 - Accessory Dwelling Units; and**
- 3) Establish the Following New Chapters within Title 8 of the Moraga Municipal Code, Chapter 8.33 – Twelve Dwelling Units per Acre Multifamily Residential District (R-12); Chapter 8.37 – MCSP Commercial District (MCSP-C); Chapter 8.41 – MCSP Mixed Retail/Residential; (12-20 Dwelling Units per Acre) (MCSP MU-RR); Chapter 8.42 – MCSP Mixed Office/Residential (12-20 Dwelling Units per Acre) (MCSP MU-OR); Chapter 8.65 – Moraga Ranch Overlay District; Chapter 8.200 – Moraga Center Specific Plan Area Regulations.**

**B. Recommend the Town Council Adopt a Resolution to Revise the Moraga Design Guidelines to 1) Establish a New Chapter 11 in the Town of Moraga Design Guidelines to incorporate the Moraga**

1 Center Specific Plan (MCSP) Design Guidelines Adopted in 2010  
2 as Appendix B to the Moraga Center Specific Plan; 2) Make Minor  
3 Updates to the MCSP Design Guidelines, Chapter 11, Sections 6.1  
4 Lighting, 6.2 Signage, and 6.3 Walls and Fencing; 3) Add Chapter  
5 11, Sections 8. Street Design Standards, 9. Pedestrian and  
6 Bicycle-Friendly Design, and 10. Town Square Design Guidelines  
7 to the MCSP Design Guidelines; and 4) Other Minor Non-  
8 Substantive Changes  
9

10 C. (CEQA Review: Consistent with the Final Environmental Impact  
11 Report for the Moraga Center Specific Plan (SCH 200707212)  
12 certified on January 27, 2010; Exempt under CEQA Guidelines  
13 Section 15061(b)(3))  
14

15 **Request**

16  
17 A Public Hearing has been scheduled to provide an overview and allow for Planning  
18 Commission review of and recommendation on the amendments to the Town's Zoning  
19 Code and Design Guidelines to implement the 2010 Moraga Center Specific Plan. The  
20 requested Planning Commission action is to review and provide feedback on the  
21 proposed changes to the Zoning Code and Design Guidelines, and to then recommend  
22 approval to the Town Council.  
23

24 **Background**

25  
26 Overview of the Moraga Center Specific Plan

27 The Moraga Center Specific Plan (MCSP) was adopted on January 27, 2010, following  
28 an approximately seven year process that included public meetings and workshops, and  
29 extensive discussions with the property owners in the Specific Plan area. The MCSP  
30 allows for higher density infill and mixed use (residential, commercial and office)  
31 development that is well connected by transit, pedestrian and bicycle facilities.  
32

33 The MCSP was supported by a series of technical analyses, including an  
34 economic/market assessment that analyzed the market demand for new commercial  
35 development; various types of housing and lodging; and a comprehensive traffic study  
36 that considered how development of the Moraga Center would affect local and regional  
37 (Lamorinda) traffic patterns. A premise of the MCSP and its associated traffic analysis  
38 is that the type of development called for in the MCSP — smaller/higher density units, in  
39 a walkable, transit-friendly environment — will inherently have lower vehicle trip  
40 generation rates than traditional single-family or multi-family residential development in  
41 Moraga.  
42

43 In compliance with the California Environmental Quality Act (CEQA), a draft  
44 Environmental Impact Report (DEIR) was prepared to analyze the impacts of the  
45 project, including build-out of the various land uses and implementation of the  
46 development standards outlined in the Plan and a Final Environmental Impact Report  
47 (FEIR) was adopted on January 27, 2010. Links to the DEIR and FEIR are include as  
48 attachments. Although the EIR analyzed a land use program including up to 720 new

1 residential units, the adopted MCSP reflected a reduced development version of the  
2 project, allowing for up to 630 units.

3  
4 The Moraga Center area has been designated as a Priority Development Area (PDA) by  
5 the Association of Bay Area Governments and Metropolitan Transportation  
6 Commission, making it eligible for priority grant funding.

### 7 8 MCSP Land Use Components

9  
10 The adopted MCSP builds upon the 2002 General Plan policies and actions with Land  
11 Use Policies in Section 3, Plan Goals and Policies, Subsection B, Land Use. Consistent  
12 with Town's General Plan 2002, Figure 4-1 in the MCSP (Attachment G, page 26),  
13 identifies the illustrative conceptual diagram that shows key opportunities and a possible  
14 configuration of land uses for the MCSP area. The MCSP took the General Plan  
15 conceptual diagram and further defined it into Sub-Areas. Each Sub-Area is described  
16 with land uses as well as the character and the standards (dwelling units, setbacks,  
17 heights etc.) See Figure 4-2: MCSP Illustrative Land Use and Circulation Plan, page 31  
18 of the MCSP and page 4 of this report.

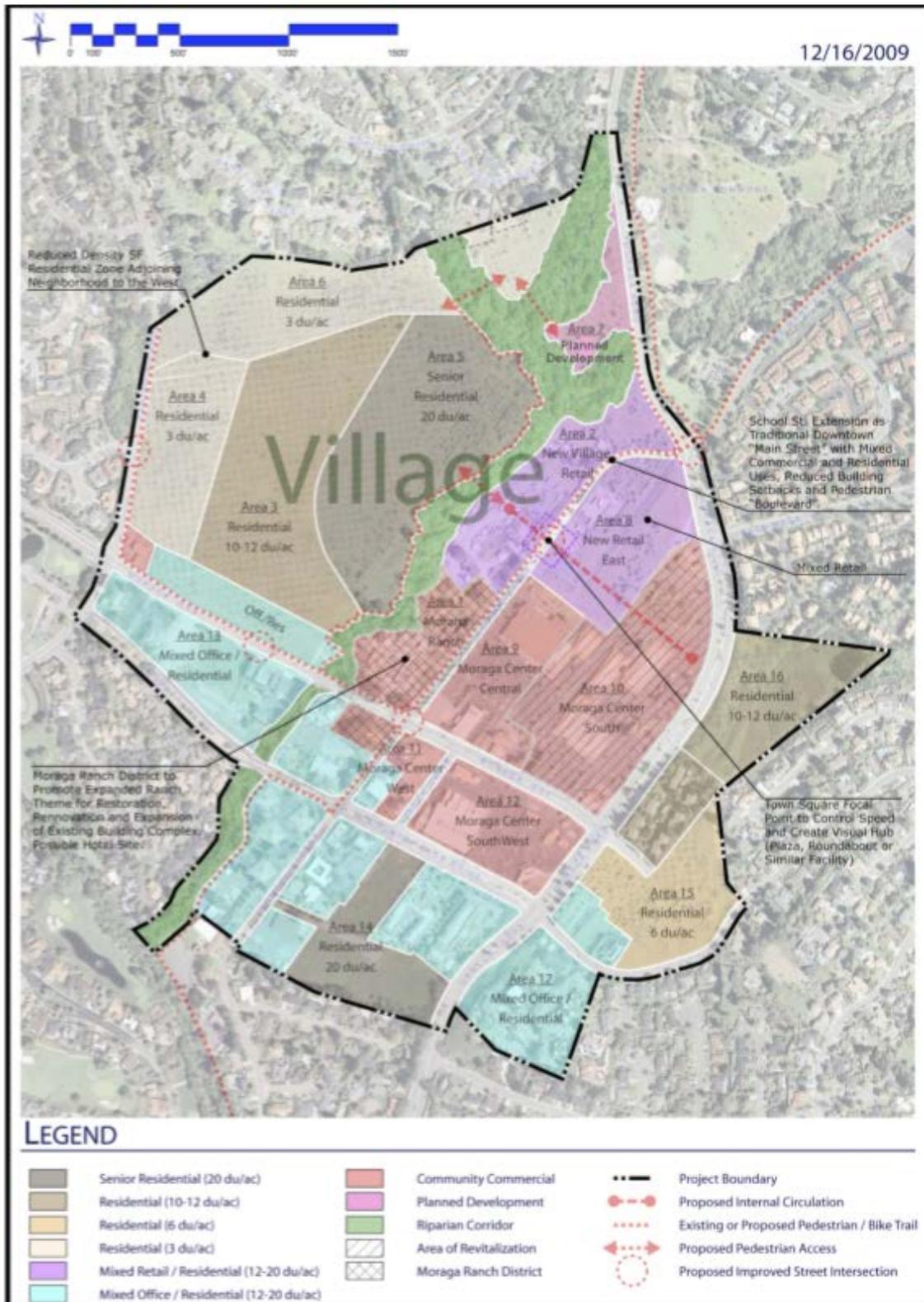
19  
20 The MCSP offers a Plan Rationale and Vision for a range of housing types including  
21 units attractive to seniors, students and faculty at St. Mary's College, and workers in the  
22 community as well as single family dwellings in a setting which offers a variety of  
23 community-serving shopping, retail and food and beverage outlets. There will be  
24 considerable opportunities to live, shop, and play without the need to use a private  
25 automobile to make these normal daily trips. Thus, by creating a mixed-use "Village,"  
26 the future development and redevelopment of the MCSP area can:

- 27 • Address current resident concerns about lack of shopping choices
- 28 • Provide a range of housing types
- 29 • Encourage residents, visitors and workers to walk and avail alternate  
30 modes of transportation
- 31 • Locate the community's needed higher density housing uses within  
32 walking distance of existing and planned retail uses and services.

33  
34 The plan contains four components:

- 35  
36 1. A Land Use Element, which established the land use pattern and standards for  
37 uses allowed in plan area; and
- 38  
39 2. A Circulation Element, which, based on the transportation requirements  
40 generated by the land uses in the Plan area, established a circulation system  
41 necessary to accommodate vehicular and pedestrian movements; and
- 42  
43 3. A Public Services Element that considers the requirements for infrastructure and  
44 services which the future development of the plan area will involve; and
- 45  
46 4. An Implementation Element, which provides information on the actions needed to  
47 implement the Plans, including General Plan and Zoning changes, as needed  
48 and appropriate, and phasing.

Figure 4-2: MCSP Illustrative Land Use and Circulation Plan



1 In 2015, the Town initiated the Implementation Element of the adopted Specific Plan  
2 called the MCSP Implementation Project (MCSP-IP). See page 8 of this report for  
3 information on the MCSP-IP process to date.

4  
5 The Implementation Element is comprised of five parts, as follows:

- 6
- 7 • Actions required for adoption of the Specific Plan
- 8 • Implementation Opportunities
- 9 • Development review and the approval process
- 10 • Implementation tools that the Town may consider
- 11 • Infrastructure improvements
- 12

13 To fully implement the MCSP the Town is required to adopt an ordinance(s) to establish  
14 the Twelve and Twenty Dwelling Unit per Acre Multi-Family Residential Districts, the  
15 MCSP Commercial District, the MCSP Mixed Retail/Residential and the MCSP Mixed  
16 Office/Residential mixed-use districts, and the Moraga Ranch Overlay District. The  
17 ordinance(s) will also modify the Moraga Municipal Code (MMC) to create a permitted  
18 use determination exception for uses consistent with Permitted Uses specified in the  
19 MCSP. Lastly, the ordinance(s) should include a density bonus consistent with state  
20 law.

#### 21 22 MCSP Land Use Standards

23 The MCSP area contains undeveloped land, and the Town and stakeholders  
24 acknowledge there are significant opportunities in this key area of the Town to both  
25 respond to community desires for an expanded range of retail, entertainment and  
26 recreational opportunities and change the current transport paradigm for both future  
27 residents of the area as well as nearby neighborhoods. The MCSP is intended to  
28 accommodate a community-serving commercial core which encompasses both existing  
29 and potential new retail and service businesses that is partially supported and enhanced  
30 by the establishment of new residential development.

31  
32 The four principal land uses to be contained within the MCSP area are:

- 33 Commercial
- 34 Suburban Office
- 35 Residential from low to medium to high densities
- 36 Public Facilities/Recreation/Public Service
- 37

38 Commercial: The commercial land use is allocated between two sub classifications –  
39 Community Commercial (implemented as MCSP Commercial) and MCSP Mixed  
40 Retail/Residential. Properties in the commercial area could be developed for  
41 community-serving recreational uses such as a community center/gymnasium or similar  
42 use.

43  
44 The MCSP Commercial area generally encompasses the properties bounded to the  
45 northwest by School Street and its extension to Moraga Road, Moraga Road to the east  
46 and southeast and Country Club Drive on the southwest. The MCSP Commercial area  
47 includes most of the existing retail and commercial services in the MCSP area and

1 envisions the infill of the undeveloped parcels in this area as well as the potential  
2 redevelopment and enhancement of facilities.

3  
4 The MCSP Mixed Retail/Residential area encompasses the land located between  
5 Laguna Creek and School Street and its extension to Moraga Road. This area is  
6 bounded on the southwest by Moraga Way and includes the Moraga Ranch complex.  
7 In addition to new and enhanced commercial development, MCSP Mixed  
8 Retail/Residential allows for residential development between 12 and 20 du/ac.

9  
10 Office: The General Plan provides Policy LU 3.1.d and the Town's Municipal Code  
11 includes Chapter 8.44 Suburban Office District. The MCSP identifies a new district  
12 "MCSP Mixed Office/Residential" which is located in the southern part of the MCSP  
13 area, located generally southeast of Moraga Way and School Street, and south of  
14 Country Club Drive. The MCSP Mixed Office/Residential district allows the development  
15 of professional and administrative offices, educational use and possibly a small  
16 specialty or boutique hotel (can also be accommodated in sub-area 1, the Moraga  
17 Ranch) along with residential uses, at densities between 12 and 20 du/ac.

18  
19 Residential: Consistent with the General Plan goals (LU1.2), the residential densities  
20 include:

21  
22 Lower Density – 3 du/acre. Limited to the northern portion of the MCSP area as  
23 a transition between existing residential uses to the north and the  
24 planned medium and higher density uses.

25 Medium Density – 6 and 10-12 du/acre. The majority of medium density housing  
26 is located in Sub-Area 15 and 16 and Sub-Area 3. The Sub-Areas could  
27 accommodate compact (attached or detached), residential dwellings for  
28 niche market housing (housing that is affordable for teachers, students,  
29 public safety and other members of the community).

30 Higher Density – 20 du/acre. The higher density housing is located in Sub-Areas  
31 5 and 14 and includes niche market housing and/or Senior Housing.

32  
33 In 2010 the Town adopted a new Residential R-20 Zoning District that applies to a  
34 portion of the MCSP area. This zoning district is codified in the [Moraga Municipal Code](#)  
35 [\(MMC\) Chapter 8.34](#). The R-20 zoning establishes regulations and procedures for all  
36 development projects located in the twenty (20) dwelling units per acre residential  
37 district. This district currently only applies to certain areas within the MCSP area,  
38 consistent with policies of the adopted MCSP. This district does not apply to properties  
39 which have an average predevelopment slope in excess of twenty (20) percent.  
40 Development projects within this district are subject to either a ministerial review  
41 process or a discretionary review process, as provided for in the MMC.

42  
43 Public Facilities/Recreation/Public Service: These uses could include a community  
44 center/gymnasium, pocket parks, public art, outdoor performance and exhibit areas, and  
45 the like. Includes Open Space areas along Laguna Creek and its tributaries to protect  
46 wildlife habitat and flood protection while accommodating visual accessibility.

1 MCSP Development Potential

2 The development potential of the MCSP is specified in Table 4-1 on page 35 of the  
3 MCSP and summarized below.

4

5 **Table 1: Moraga Center Specific Plan Development Potential**

6

<b>Land Use Category</b>	<b>Maximum Development Quantity Min/(Max)</b>
Retail/Entertainment	90,000 square feet
Office	50,000 square feet
Bed and Breakfast/Boutique Hotel	85 rooms
Assisted Living/Congregate Care	150 rooms
Residential	
<i>Active Senior (12-20/ac)</i>	200 (300) units
<i>Single-Family (3-6/ac)</i>	65 units
<i>Workforce Housing (12-20/ac)</i>	80 (100) units
<i>Compact Single-Family (10-12/ac)</i>	165 units
<b>Housing Subtotal</b>	<b>510 (630) units</b>

7

8 Several items are of note with regard to the build-out quantities established in the  
9 MCSP:

10

- 11 • 630 housing units assumes development at the upper end of range (510-630  
12 units) based on award of State-mandated density bonuses for senior and below-  
13 market-rate housing.
- 14 • The maximum development potential stated in Table 1 is set at a level where the  
15 total level of development “would not generate more than the level of peak hour,  
16 peak direction traffic generated by build-out of the MCSP area anticipated in the  
17 2002 General Plan.”<sup>1</sup>
- 18 • There is intended to be some flexibility to shift units between and among the  
19 residential land use categories to accommodate market demand. MCSP Table  
20 4-2 establishes a series of “land use equivalents” among the different types of  
21 residential units allowed, based on their assumed traffic generation. For  
22 example, 10 “workforce housing” units are considered to have the equivalent trip  
23 generation to 16 “senior housing” units based on the travel patterns of those  
24 households.<sup>2</sup>

25

26 MCSP-Implementation Project

27 The MCSP Implementation Project (MCSP-IP) process has been underway since early  
28 2015, with the goal to develop zoning standards and design guidelines to implement the  
29 broader land use planning and policy framework established in the 2010 Moraga Center  
30 Specific Plan.

31

32 State law requires that zoning regulations be consistent with a Specific Plan. Although  
33 a 20-Dwelling Unit per Acre Zoning district was adopted and applied to corresponding  
34 parcels in the Specific Plan area, similar re-zoning of other properties has not yet been

<sup>1</sup> CEQA Findings of Fact and Statements of Overriding Consideration, January 13, 2010. Page 6.

<sup>2</sup> Moraga Center Specific Plan, Page 39.

1 enacted. As a result, in many cases there is considerable discrepancy between the  
2 Specific Plan's land use designations, allowable uses, densities and development  
3 standards, and the zoning regulations currently applied to those properties. This  
4 inconsistency is not only problematic relative to conformance with State Law, but risks  
5 confusion and ambiguity for property owners, staff, and decision-makers, as well as the  
6 community, when considering project approvals in the MCSP area. Although the MCSP  
7 governs over inconsistent zoning regulations, projects may require additional approvals,  
8 such as rezoning when there is inconsistency between the MCSP specified land use  
9 and zoning, contrary to the intent of the MCSP to provide for streamlining of approvals  
10 for projects consistent with the Specific Plan district.

11  
12 The MCSP-IP was initially funded by a \$150,000 Contra Costa Transit Authority (CCTA)  
13 Priority Development Area (PDA) Implementation Grant, intended to help jurisdictions  
14 further the goals of the PDA program, which are generally to support more compact,  
15 walkable, mixed use centers that place housing closer to shopping and employment,  
16 and increase the amount and diversity of available housing in the Bay Area region as a  
17 whole. The project aimed to refine and strengthen the generalized policy and land use  
18 requirements of the MCSP into a comprehensive set of standards and requirements that  
19 ensure high quality projects, deliver desired community amenities, help to create a  
20 successful, thriving Town center, and ensure compatibility with adjacent neighborhoods  
21 and the Town's character.

22  
23 A Steering Committee, comprised of members of the Town Council, Planning  
24 Commission, Design Review Board, and Park & Recreation Commission, was formed to  
25 provide guidance and recommendations for new zoning and other regulations for the  
26 Specific Plan area. The Steering Committee met four times between June and  
27 November 2015 to review the work in progress and to provide feedback and direction to  
28 Town staff and the consultant team. In late 2015 the consultant team produced a  
29 "Vision Concept" articulating design principles for the Specific Plan area, a synthesis of  
30 the work to date on the implementation project. A draft MCSP Zoning document was  
31 released in June 2016, followed by a series of Steering Committee meetings and site  
32 visits in July through February 2017. However, these documents did not garner support  
33 from the Planning Commission or Town Council. Work on this project was suspended in  
34 October 2017 due to lack of funds.

35  
36 In March 2018, the Town submitted a request for \$140,000 in funding from the  
37 Metropolitan Transportation Commission (MTC) as part of its 2018 Priority Development  
38 Area (PDA) funding grant program to complete work on the MCSP Zoning Documents.  
39 In May 2018, MTC awarded a grant of \$140,000 to the Town. Given the failed 2015-  
40 2017 process to implement a form-based code, the 2019 MTC grant approved a more  
41 traditional approach to implementing the necessary zoning. In 2019, Town staff hired  
42 PlaceWorks consultant to begin preparation of the draft zoning, development standards,  
43 and design guidelines as part of the Moraga Center Specific Plan Implementation  
44 Project.

45  
46

1 **Table 2: Moraga Center Specific Plan Timeline**

2

<u>Dates</u>	<u>Actions and or Meetings</u>
July 30, 2007	Notice of Preparation for California Environmental Quality Act (CEQA)
June 17, 2008	MCSP DEIR published
July 7, 2008	Planning Commission CEQA public hearing
July 8, 2008	Park and Recreation Commission review
July 9, 2008	Town Council CEQA public hearing
July 22, 2008	Town Council CEQA oral comments on Draft Environmental Impact Report (DEIR)
April 20, 2009	Planning Commission Public Hearing to consider adequacy of the Final Environmental Impact Report (FEIR)
January 27, 2010	Town Council adopted Resolution 14-2010 certifying the EIR
January 27, 2010	Town Council adopted the Moraga Center Specific Plan
2014	Town of Moraga awarded \$150,000 grant by Contra Costa Transportation Authority (CCTA)
Late 2015	Consultant Opticos produced a "Vision Concept"
October 2017	Consultant work suspended due to lack of funds
March 2018	Town of Moraga awarded \$140,000 grant from Metropolitan Transportation Commission (MTC)
June 12, 2019	Town of Moraga hired PlaceWorks to assist in drafting the zoning code provisions, development standards and design guidelines to implement the MCSP
July 8, Sept. 4 & 10, October 1, 2019	MCSP-IP Citizens Advisory Committee meetings to gather public input for the draft zoning, development standards, and design guidelines
July 20 & Aug 17, 2020	Planning Commission Public Hearing for proposed amendments to Zoning Code and Design Guidelines

3

1 MTC Grant

2 In May 2018, the Town was awarded \$140,000 in funding from the Metropolitan  
3 Transportation Commission (MTC) to implement the MCSP. The grant was not for  
4 revisions to the MCSP. The grant includes a timetable for completion and  
5 implementation of the MCSP by the end of 2020.

6  
7 MCSP Citizens Advisory Committee

8 On February 12, 2019 the Town formed a Moraga Center Specific Plan Citizens  
9 Advisory Committee (CAC) to provide input to the Planning Commission and Town  
10 Council on the implementation of zoning and development standards for the already  
11 approved 2010 MCSP. Per the Town of Moraga MCSP Implementation Project CAC  
12 Charter, the responsibility and purpose of the MCSP CAC was to advise and provide  
13 recommendations for zoning and related regulations intended to implement the 2010  
14 MCSP. The CAC is advisory only and a formal review of any recommendations is  
15 required by the Planning Commission and the Town Council.

16  
17 The CAC consisted of 34 members of the community including: 2 Town  
18 Councilmembers appointed to the MCSP Ad Hoc Committee; 2 Planning Commission  
19 Members identified by the Planning Commission (Chair Stromberg and Commissioner  
20 D'Arcy); 1 Art in Public Spaces Committee Member; 2 MCSP area property owners; and  
21 27 members at large.

22 The Town held four meetings of the CAC between July and October of 2019. Two  
23 design scenarios with four visual simulations of each were developed to demonstrate  
24 the possible futures allowed under the MCSP. See Attachment I. The draft scenarios  
25 were not intended as development proposals, but instead to illustrate how future  
26 development might look given the density, height and other MCSP regulations. One  
27 scenario focused residential development on the hillside and the second focused  
28 density in the mixed use core.

29  
30 At the September 4, 2019 CAC meeting the two design scenarios were shared with  
31 focused discussion on 1) Town center land use allocation, density, and design (upper  
32 story stepbacks); 2) Residential development in the hillside area vs. Town Center; 3)  
33 Creek Corridor/Public Access; 4) Scenic Corridors/Setbacks; and 5) Moraga Ranch.  
34 Some of the key discussions areas follow:

- 35 Zoning has to be consistent with the Specific Plan;
- 36 The entire MCSP is based on the principle of Transit Oriented Districts (TOD);
- 37 Providing stepbacks on taller buildings to create visual relief;
- 38 Portray full buildout allowed under the Specific Plan;
- 39 Retain Moraga Ranch as focus for hotel;
- 40 Extend School Street to Saint Mary's Road; and
- 41 Include Lafayette Moraga Regional Trail along School Street.

42  
43 The CAC in general sought to preserve the Town's character through setbacks along  
44 the scenic corridor and upper story step-backs. The recommendation was to support a  
45 510 maximum buildout of residential units and a 630 maximum buildout if the developer  
46 provides affordable housing that meets the California State Density Bonus Law. This  
47 was consistent with the traffic studies analyzed in the Draft EIR. Additionally there was  
48 discussion on affordable housing and the MCSP provides for workforce housing which

1 is typically understood to signify housing affordable to low and moderate incomes. A  
2 portion of the senior housing could also be affordable. Workforce housing is typically  
3 income-restricted and senior housing is usually age-restricted (typically residents of  
4 senior housing need to be 55 years or older).

5  
6 As a result of four meetings, on October 1, 2019, the CAC adopted a list of 17 overall  
7 recommendations and additional zoning considerations to implement the MCSP (see  
8 Attachment E). In general, the overall recommendations are intended to be consistent  
9 with the MCSP. The main exception is additional zoning consideration #3 that states  
10 that the CAC does not believe Area 7 is an appropriate place for congregate care. In  
11 evaluating the adopted MCSP, congregate care is allowed in Area 7 as a Planned  
12 Development, as long as it is in harmony with other authorized uses and serves to  
13 fulfill the function of the planned development district while complying with the General  
14 Plan.

### 15 16 Senate Bill 330

17 Senate Bill 330 (SB 330), approved by the State of California in 2019 and effective on  
18 January 1, 2020, is a sweeping bill aimed at ensuring zoning-compliant housing projects  
19 are approved, by streamlining project approvals and preventing local actions that  
20 reduce housing capacity. Most of SB 330's provisions will sunset (expire) on January 1,  
21 2025, unless extended by the legislature.

22  
23 Although SB 330 includes many provisions, the ones that are particularly relevant to the  
24 MCSP-IP are that the new zoning regulations may not: 1) reduce the allowed intensity  
25 or number of units for residential land uses/parcels; 2) impose or enforce a moratorium  
26 on housing development; 3) impose any new non-objective design standards on  
27 proposed developments; or 4) implement or enforce limits on the number of residential  
28 building permits issued.

29  
30 The MCSP-IP implements the existing requirements, densities and development  
31 standards of the MCSP and the Moraga Municipal Code and is consistent with the  
32 provisions of SB 330.

### 33 34 Discussion

#### 35 36 Draft Zoning Ordinance

37 As described in the introduction, the goal of the MCSP-IP is to develop implementing  
38 zoning regulations and design guidelines that are consistent with the policy and land  
39 use framework established in the Moraga Center Specific Plan. The complete Draft  
40 Zoning Code (Attachment C) would reflect the MCSP's land use and policy direction  
41 and CAC recommendations. This section provides an overview of the MCSP Zoning  
42 ordinance and covers the following topics:

- 43
- 44 1. New and Revised Definitions and Uses
- 45 2. Draft MCSP Zoning Code Districts
- 46 3. Shared Parking
- 47 4. Development Potential
- 48 5. Moraga Center Design Requirements

- 1 6. Town Square
- 2 7. Required Streets, Trails, and Bridge
- 3 8. Street Types
- 4 9. Trail Design Standards
- 5 10. Creek and Channel Setbacks

6  
7 1. New and Revised Definitions and Uses

8  
9 To address the need for consistency between the MCSP’s development concepts and  
10 permitted uses and those described in the existing Zoning Code, the Draft Zoning  
11 ordinance proposes cleaning up the definitions for uses and other facility types. These  
12 revisions add clarity to previously ambiguous definitions, which would improve Staff’s  
13 ability to administer the Zoning Code. In addition, organizing all definitions in one place  
14 would improve the user experience, establishing a single source for all definitions.

15  
16 Proposed revisions to the Zoning Code’s definitions include the following:

- 17 • Move definitions from the following sections to Section 8.04.020:
  - 18 ○ 8.34.020 Residential 20
  - 19 ○ 8.36.015 Community Commercial
  - 20 ○ 8.50.020 Planned Development-Commercial
  - 21 ○ 8.124.020 Accessory Dwelling Unit
- 22 • Add new definitions to reflect uses allowed by the MCSP or clarify language that  
23 implements the MCSP:
  - 24 ○ “Adult Day Care Center”
  - 25 ○ “Antique, Collectible Stores”
  - 26 ○ “Assembly or Meeting Facility”
  - 27 ○ “Automobile Services and Repair”
  - 28 ○ “Banks and Financial Services
  - 29 ○ “Banquet Hall”
  - 30 ○ “Big Box Retail Business”
  - 31 ○ “Building Materials Sales and Services”
  - 32 ○ “Business Support Services”
  - 33 ○ “Catering Service”
  - 34 ○ “Child Day Care Center”
  - 35 ○ “Congregate Care Housing”,
  - 36 ○ “Creeks and Drainage Channels”
  - 37 ○ “Cultural Institution”
  - 38 ○ “Eating and Drinking Establishments”
  - 39 ○ “Fitness Facility, Health Club”
  - 40 ○ “Food, Beverage Sales”
  - 41 ○ “Government Office”
  - 42 ○ "Hotel"
  - 43 ○ “Manufacturing or Processing Shop”
  - 44 ○ “Major Religious Facility”
  - 45 ○ “MCSP”
  - 46 ○ “Media Production Facility”
  - 47 ○ “Medical”
  - 48 ○ "Ministerial Review Process"

- 1           ○ “Multi-Use Path”
- 2           ○ “Multi-Use Trail”
- 3           ○ “Offices”
- 4           ○ “Outdoor Retail Sales”
- 5           ○ “Park and Outdoor Recreational Facilities”
- 6           ○ “Personal Services, General”
- 7           ○ “Personal Services, Improvement or Instructional”
- 8           ○ “Personal Services, Other”
- 9           ○ “Professional Services”
- 10          ○ “Public Maintenance and Service Facility”
- 11          ○ “Religious Facility”
- 12          ○ “Schools”
- 13          ○ “Secondhand Sales”
- 14          ○ “Self-storage Facility, Mini-storage”
- 15          ○ “Senior Housing”
- 16          ○ “Sports Recreation Facility”
- 17          ○ “Stepback”
- 18          ○ “Supportive Housing and Transitional Housing”
- 19          ○ “Temporary Use”
- 20          ○ “Theater, Auditorium”
- 21          ○ “Top of Bank”
- 22          ○ “Utility Facility, Transmission Towers”
- 23          ○ “Workforce Housing”
- 24          ● Revise existing definitions to reflect the MCSP:
  - 25           ○ “Agriculture”
  - 26           ○ “Area A”
  - 27           ○ “Area B”
  - 28           ○ “Emergency Shelter”
  - 29           ○ “Retail business”
  - 30           ○ “Senior Citizen Housing”
- 31          ● Delete “Specialty Retail Store,” which is covered by the revised “Retail business”
  - 32           definition.

33

34 The Permitted and Conditional Use sections of the following Zoning Code districts are  
 35 proposed to be updated to reflect the new definitions added to Section 8.04.020 and  
 36 ensure consistency with the MCSP. The revisions are intended to be clarifying and  
 37 clean-up language that is inconsistent with the overall allowed permitted and conditional  
 38 uses in the Moraga Municipal Code and the MCSP.

- 39          ● Chapter 8.24 Residential R-3
- 40          ● Chapter 8.32 Residential R-6
- 41          ● Chapter 8.36 Community Commercial
- 42          ● Chapter 8.40 Limited Commercial District
- 43          ● Chapter 8.44 Suburban Office District
- 44          ● Chapter 8.52 MOSO and Non-MOSO Open Space Districts
- 45          ● Chapter 8.56 Institutional District
- 46          ● Chapter 8.60 Study District

47

48

1     2.     Draft MCSP Zoning Code Districts

2  
3     The Draft MCSP Zoning Code amendment would include nine zoning districts and a  
4     new Moraga Ranch Overlay District (summarized in Figure 1 and Table 2). These  
5     zoning districts and the overlay district correspond to the land use designations  
6     identified in the MCSP. The process of developing zoning districts to implement the  
7     MCSP included the following:

- 8  
9     •     **Utilize Existing Zoning Districts Where Possible.** Rather than create all  
10     new zoning districts for the MCSP area, Staff and consultants utilized existing  
11     zoning districts to the extent that MCSP land use designations match existing  
12     zoning districts. Using existing zoning districts minimizes the amount of  
13     revisions to the Zoning Code and streamlines future administration of the  
14     Zoning Code. In some cases, existing zoning districts were modified to  
15     improve clarity or to reflect specifications stated in the MCSP. Modifications  
16     added for clarity are applied district-wide, while those specific to the MCSP  
17     were applied to the portion of the district included within the MCSP boundary.  
18  
19     •     **Model New Zoning Districts on Existing Districts.** When new zoning  
20     districts had to be created, Staff and consultants primarily used existing  
21     zoning districts as the starting point. Staff and consultants modified the  
22     districts to ensure consistency with the MCSP:  
23     ○     The MCSP Community Commercial district was based on the Community  
24     Commercial district.  
25     ○     The MCSP Mixed Retail\Residential is an amalgamation of the Community  
26     Commercial and Residential R-20 districts.  
27     ○     The MCSP Mixed Office\Residential is an amalgamation of the Suburban  
28     Office and Residential R-20 districts.  
29     ○     The new Residential R-12 zoning district is modeled on the existing R-6  
30     District.

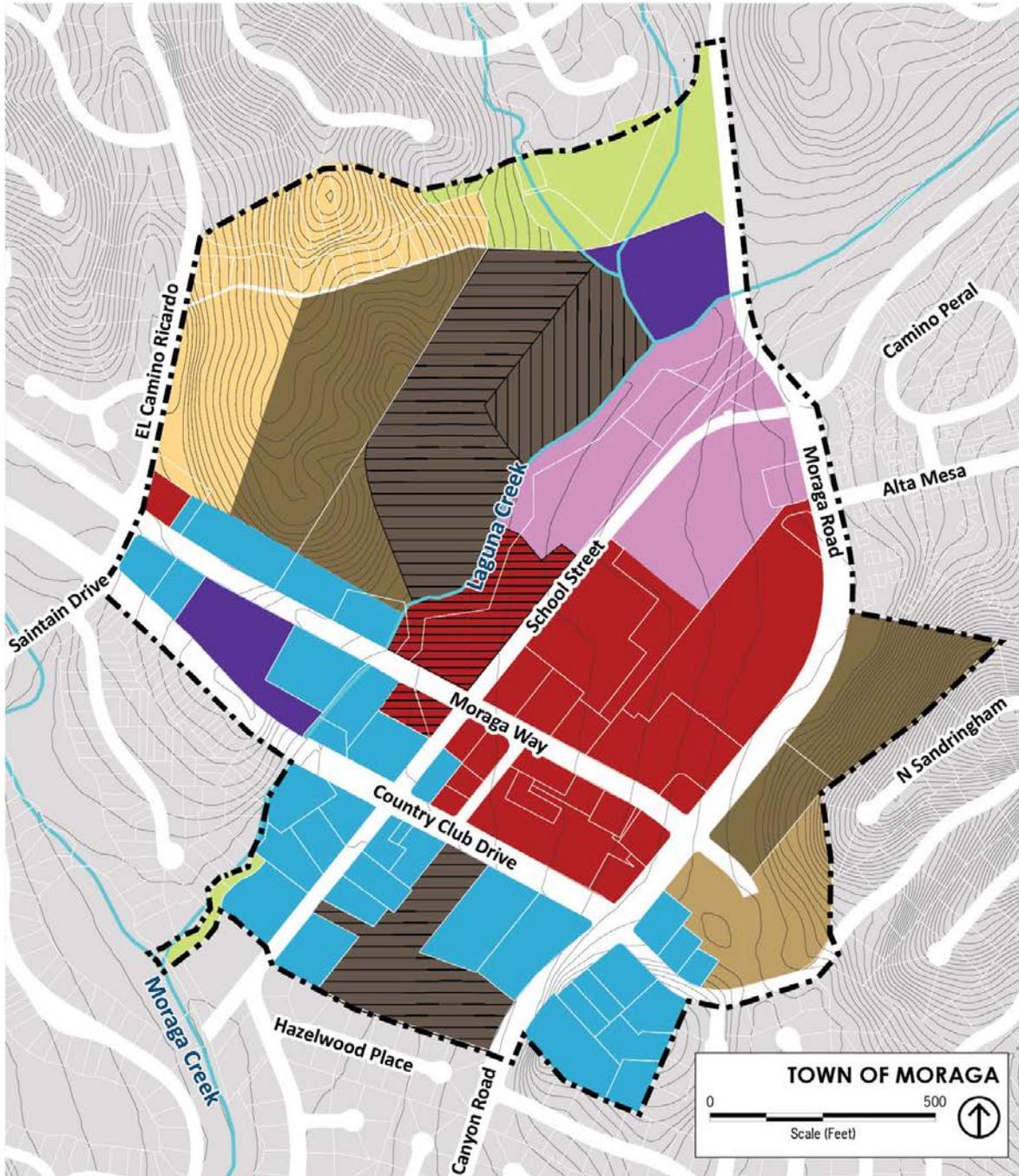
31     **Table 3: Summary of Zones and Corresponding MCSP Land Use Districts**

Zoning District	Implements MCSP Land Use District (s):	Density Range
Residential R-3	Residential 3 DUA	3 DUA
Residential R-6	Residential 6 DUA	4-6 DUA
Residential R-12	Residential 10-12 DUA	10 -12 DUA
Residential R-20	Senior Residential 20 DUA	16-20 DUA
Planned Development	Planned Development	N/A
MCSP Mixed Retail\Residential	Mixed Retail/Residential	12-20 DUA
MCSP Mixed Office\ Residential	Mixed Office/Residential	12-20 DUA
MCSP Community Commercial	Community Commercial	
Non-MOSO Open Space	Planned Development	
Moraga Ranch Overlay District	Moraga Ranch District	N/A

33  
34

1 **Figure 1: Zoning Map**

2



 RESIDENTIAL R-3	 RESIDENTIAL R-20A	 MCSP MIXED RETAIL/RESIDENTIAL	 NON-MOSO OPEN SPACE
 RESIDENTIAL R-6	 RESIDENTIAL R-20B	 MCSP MIXED OFFICE/RESIDENTIAL	 MORAGA RANCH OVERLAY DISTRICT
 RESIDENTIAL R-12	 PLANNED DEVELOPMENT	 MCSP COMMERCIAL	 MCSP BOUNDARY

3  
4  
5  
6

1 **Residential Districts:** There would be four residential districts within the MCSP  
2 boundary:

- 3 • Residential R-3 (Chapter 8.24). This existing district allows single family homes  
4 at up to 3 units per acre. Additional clarification regarding the allowed densities  
5 for single family units at 1 DUA, 2 DUA, and 3 DUA is proposed as part of this  
6 zoning ordinance. For areas within the MCSP with densities at 3 DUA, the  
7 maximum lot coverage would be 60 percent as specified by the MCSP.
- 8 • Residential R-6 (Chapter 8.32). This is an existing residential district that permits  
9 densities at up to 6 DUA. The primary change is to add standards outlined in the  
10 MCSP specific to the R-6 districts within the MCSP boundary.
- 11 • Residential R-12 (Chapter 8.33). The R-12 district would be a new addition to the  
12 Zoning Code and would currently only be found within the MCSP boundary. The  
13 minimum and maximum density is proposed to be 10-12 DUA.
- 14 • Residential R-20 (Chapter 8.34). The R-20 district is only found within the MCSP  
15 boundary. Minor updates to this district include specifying a minimum density of  
16 16 DUA and specifying the maximum height of buildings to be 30 feet along  
17 roadways 36 feet wide or less as required by the Moraga-Orinda Fire District.

18  
19 **MCSP Commercial District:** The MCSP Commercial designation (Chapter 8.37) is  
20 proposed as the new commercial district to reflect the uses and standards allowed by  
21 the MCSP. The maximum building height would be 35 feet (2 stories or less).

22  
23 **MCSP Mixed Use Districts:** There are two mixed-use districts proposed within the  
24 MCSP boundary:

- 25 • MSCP Residential/Commercial (Chapter 8.41). This district would allow a mix of  
26 commercial, office, retail, public/quasi-public, and residential uses (12-20 DUA).  
27 First floor uses along School Street would be required to have a retail or  
28 professional service use, or other use found by the planning commission to  
29 enhance the pedestrian experience. Maximum building height would be 45 feet  
30 (3 stories or less). However, if the roadway is less than 36 feet wide, the  
31 maximum building height would 30 feet as required by the Moraga-Orinda Fire  
32 District.
- 33 • MCSP Residential/Office (Chapter 8.42). This district would allow a mix of  
34 commercial, office, retail, public/quasi-public, congregate care, and residential  
35 uses (12-20 DUA). Maximum building height would be 45 feet (3 stories or less).  
36 However, if the roadway is less than 36 feet wide, the maximum building height  
37 would be 30 feet as required by the Moraga Orinda Fire District.

38  
39 **Planned Development:** Area 7 of the MCSP is designated as Planned Development  
40 (Chapter 8.48) which is proposed to be carried forward in the Draft Zoning ordinance. In  
41 addition, the Moraga Town Center Homes project would be designated as Planned  
42 Development to memorialize previous Council action on the zoning designation for this  
43 project. The only change to the Planned Development district is to require that projects  
44 within the MCSP boundary with a PD designation meet the applicable requirements of  
45 the MCSP.

46  
47 **NON-MOSO Open Space:** The Non-MOSO Open Space district (Chapter 8.52, Article  
48 2) would be applied to the West Commons Park, open space uses associated with the

1 Harvest Court single family homes at the north of the MCSP boundary, and property  
2 owned by the East Bay Regional Park District at the southern MCSP boundary. This  
3 would reflect existing uses.  
4

5 **Moraga Ranch Overlay:** Throughout the MCSP-IP outreach process, community  
6 members expressed the desire to maintain the character of the Moraga Ranch area.  
7 The MCSP calls for the preservation and enhancement of Moraga Ranch to the extent  
8 feasible. Given MCSP direction and community feedback, Staff created the Moraga  
9 Ranch Overlay (Chapter 8.65) which would provide additional guidance for Moraga  
10 Ranch. The Moraga Ranch Overlay would propose to:

- 11 • Retain existing buildings as feasible.
- 12 • Design new development consistent with the existing character.
- 13 • Separate new buildings to create a park-like/agricultural setting.

### 14

15 3. Shared Parking

16  
17 To support the creation of a new mixed-use village center, the MCSP suggests  
18 considering shared parking for commercial uses to allow for flexibility in site planning. A  
19 new Section 8.76.080 would specify shared parking factors for residential, lodging,  
20 office, and retail uses within the MCSP area when two or more uses are sited together.  
21

### 22 4. Development Potential

23  
24 As discussed above, the MCSP specifies the maximum development potential for  
25 residential and non-residential development. Section 8.200.040 of the Draft Zoning  
26 Code would memorialize the MCSP's maximum development potential shown in Table  
27 1 of this Staff Report.  
28

### 29 5. Moraga Center Design Requirements

30  
31 Section 8.200.050 of the Draft Zoning Code moves and edits the design requirements  
32 previously connected to the Residential R-20 district and applies them to the entire  
33 MCSP area. New additions to the design requirements include:

- 34 • Setback and Stepback. Maintaining the integrity of Moraga's scenic corridors was  
35 a consistent point of feedback from the community and CAC throughout the  
36 process. To address this concern, the Draft Zoning ordinance requires  
37 development fronting a major scenic corridor to have a 40-foot setback and an 8  
38 foot stepback on building elements above the first floor. This is consistent with  
39 the provisions of the Moraga's scenic corridor requirements in Moraga Municipal  
40 Code Chapter 8.132, which allow for more restrictive setbacks along scenic  
41 corridors.
- 42 • Parking. Parking would be required onsite or on streets immediately adjacent to  
43 the development.
- 44 • Trees. All existing trees are proposed to be protected from future development.  
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6. Town Square

The MCSP calls for a Town Square along School Street to be the focal point of the new village center. The CAC also recommended a Town Square be part of future development in the MCSP.

To respond to MCSP and CAC direction, the new Section 8.200.060 would provide guidance on constructing the Town Square. The Town Square is proposed to be a condition of approval for new development or redevelopment constructed after adoption of the MCSP Zoning Code that cumulatively affects 50 percent or more of the MCSP Commercial and MCSP Mixed Retail/Residential districts. Design guidance for the Town Square is proposed to be included in the MCSP Design Guidelines described below.

7. Required Streets, Trails, and Bridge

The MCSP calls for the extension of School Street, vehicular and pedestrian linkages between the new village center and the residential area west of Laguna Creek, and a trail along Laguna Creek. The CAC also supported these improvements.

In response to this direction, Section 8.200.070 would establish the requirement to construct the School Street extension and new Bridge Street (connecting School Street to the future residential development west of Laguna Creek). This section would provide for, but would not require, a pedestrian/bicycle trail along either side of the Laguna Creek bank.

8. Street Types

The MCSP calls for streets that vary in width from small 16-foot access roads to 36-foot roadways. However, since the adoption of the 2010 MCSP, the Moraga Orinda Fire District released new code requirements that require an unobstructed right-of-way (ROW) of 28 feet.

To respond to MCSP and the Fire District requirements, Section 8.200.080 would specify the types of streets and pedestrian lanes allowed within the MCSP:

- School Street (72-ft ROW)
- Commercial Street with Diagonal Parking (80-ft ROW)
- 60-ft ROW Street
- 52-ft ROW Residential Street
- Pedestrian Mews (Hardscape)
- Pedestrian Mews (Green)

1 Table 4 identifies which street types would be allowed within the MCSP zoning districts.

TABLE 4 – STREET TYPES AND APPLICATION

Street Type	R-3	R-6	R-12	R-20	MCSP- C	MCSP MU- RR	MCSP MU- OR	PD
Commercial Street with Diagonal Parking					X	X	X	
60-ft Right-of-Way Street			X	X	X	X	X	X
52-ft Right-of-Way Street	X	X	X					X
Pedestrian Mews (Hardscape and Green)			X	X	X	X	X	X

2 9. Trail Design Standards

3

4 To assist with processing future applications that include a trail within the MCSP,  
5 Section 8.200.090 would establish the requirements for the Lafayette/Moraga Regional  
6 Trail and other trails that could be constructed.

7

8 10. Creek and Channel Setbacks

9

10 Section 8.200.100 would codify the creek setback requirements within the MCSP area.  
11 The creek setback requirements reflect the existing County creek setback requirements  
12 already being applied by the Town.

13

14 **MCSP Design Guidelines**

15

16 The Moraga Center Specific Plan Design Guidelines, originally adopted in 2010 as  
17 Appendix B to the MCSP, are proposed to be incorporated into the Moraga Design  
18 Guidelines as a new Chapter 11, so as to consolidate Town design guidance in a single  
19 document. The Draft Moraga Design Guidelines are included as Attachment D to this  
20 Staff Report. As part of this amendment, the following revisions are proposed:

21

22 • Lighting (Chapter 11, Section 6.1). This existing section of the MCSP Design  
23 Guidelines is proposed for revision to provide guidance on how to reduce  
24 impacts of outdoor lighting and require compliance with State energy efficiency  
25 regulations.

26 • Street Design Standards (Chapter 11, Section 8). The Street Design Standards  
27 are proposed as a new addition to the MCSP Design Guidelines to provide  
28 guidance on designing streets that respond to topography, parking  
29 configurations, truck traffic, transit, emergency access, and green infrastructure  
concepts.

- 1 • Pedestrian and Bicycle Friendly Design (Chapter 11, Section 9). This new  
2 section is proposed to include recommendations for creating streets that support  
3 walking and biking consistent with the MCSP.
- 4 • Town Square Design Guidelines (Chapter 11, Section 10). This new section is  
5 proposed to provide design direction for the Town Square, suggesting it be a  
6 minimum of 0.5 acres and serve as a community-wide focal point with space for  
7 seating and passive recreation. Additional guidance about accessory structures,  
8 commercial uses, and lighting in the Town Square is also included in this section.

## 9 10 **California Environmental Quality Act**

11  
12 The Town prepared an Environmental Impact Report (EIR) (SCH 200707212) to  
13 address the potentially significant adverse environmental impacts associated with the  
14 planning, construction, or operation of the Moraga Center Specific Plan (MCSP) and to  
15 identify appropriate and feasible mitigation measures and alternatives that may be  
16 adopted to significantly reduce or avoid the impacts identified in the EIR. The Town  
17 certified the Final EIR for Moraga Center Specific Plan project on January 27,  
18 2010. The proposed zoning ordinance implements the approved MCSP and the design  
19 guidelines restructure the existing guidelines and make minor amendments and  
20 additions regarding streets and other public spaces. This amended project will not  
21 result in additional environmental effects not previously evaluated in the EIR. The  
22 proposed zoning ordinance includes development standards and zoning districts  
23 consistent with the MCSP and already analyzed in the EIR. Further, the proposed  
24 zoning ordinance allows for development consistent with the MCSP and analyzed in the  
25 EIR. Therefore, there are no new significant environmental effects. In addition, any  
26 development project proposed in the MCSP will be required to comply with the  
27 Mitigation Monitoring and Reporting Plan adopted in connection with the EIR, as well as  
28 go through site-specific environmental review.

29  
30 Additionally, CEQA Guidelines section 15162 provides that “no subsequent EIR shall be  
31 prepared” for a project unless the lead agency determines that (1) “substantial changes  
32 are proposed in the project which will require major revisions of the previous EIR,” (2)  
33 “substantial changes occur with respect to the circumstances under which the project is  
34 undertaken,” or (3) “new information of substantial importance ... shows” one or more  
35 significant effects not discussed in the original EIR, greater severity to previously-  
36 identified substantial effects, or newly-found feasible mitigation measures that would  
37 substantially reduce significant effects. As there will not be any changes to the  
38 proposed project or to the previously-identified effects and mitigation measures, and  
39 there is no new information of substantial importance, no additional environmental  
40 review is necessary.

41  
42 Further, it can be seen with certainty under CEQA Guidelines section 15061(b)(3) that  
43 there is no possibility the proposed zoning ordinance and the amended design  
44 guidelines may have a significant effect on the environment. As noted above, the  
45 proposed zoning ordinance implements the existing MCSP and allows for development  
46 consistent with and allowed under the MCSP. Further, the amended design guidelines  
47 simply restructure existing design guidelines by incorporating them in the Town’s  
48 general design guidelines and include minor modifications and additions. The

1 ordinance and guidelines do not create any new standards or regulations that could  
2 impact the environment.

3  
4 **Public Notice**

5  
6 All appropriate public notices regarding this agenda item have been posted, including a  
7 notice in the East Bay Times.

8  
9 **Recommendation**

10  
11 After conducting a duly noticed public hearing, taking in public comment and reviewing  
12 the staff report, staff recommends the Planning Commission recommend the Town  
13 Council adopt the following Resolutions:

14  
15 A. Recommend the Town Council Adopt an Ordinance to:

- 16  
17 1) Adopt a new Zoning Map within the MCSP Area; and  
18  
19 2) Update Title 8 of the Moraga Municipal Code Including Chapters 8.04 –  
20 General Provisions and Definitions, 8.24 – One, Two, and Three Dwelling  
21 Units per Acre Residential Districts; 8.32 – Six Dwellings per Acre  
22 Multifamily Residential District (R-6); 8.34 – Twenty Dwelling Units per  
23 Acre Residential District (R-20); 8.36 – Community Commercial District;  
24 8.40 – Limited Commercial District; 8.44 – Suburban Office District; 8.48 –  
25 Planned Development District; 8.50 – Planned Development-Commercial  
26 (PD-C); 8.52 – MOSO and Non-MOSO Open Space Districts; 8.56 –  
27 Institutional District; 8.60 – Study District; 8.76 – Off-Street Parking and  
28 Loading; 8.124 - Accessory Dwelling Units; and  
29  
30 3) Establish the Following New Chapters within Title 8 of the Moraga  
31 Municipal Code, Chapter 8.33 – Twelve Dwelling Units per Acre  
32 Multifamily Residential District (R-12); Chapter 8.37 – MCSP Commercial  
33 District (MCSP-C); Chapter 8.41 – MCSP Mixed Retail/Residential; (12-20  
34 Dwelling Units per Acre) (MCSP MU-RR); Chapter 8.42 – MCSP Mixed  
35 Office/Residential (12-20 Dwelling Units per Acre) (MCSP MU-OR);  
36 Chapter 8.65 – Moraga Ranch Overlay District; Chapter 8.200 – Moraga  
37 Center Specific Plan Area Regulations.

38  
39 B. Recommend the Town Council Adopt a Resolution to Revise the Moraga  
40 Design Guidelines to 1) Establish a New Chapter 11 in the Town of Moraga  
41 Design Guidelines to incorporate the Moraga Center Specific Plan Design  
42 Guidelines Adopted in 2010 as Appendix B to the Moraga Center Specific  
43 Plan; 2) Make Minor Updates to the MCSP Design Guidelines Sections 6.1  
44 Lighting, 6.2 Signage, and 6.3 Walls and Fencing; 3) Add Chapter 11,  
45 Sections 8. Street Design Standards, 9. Pedestrian and Bicycle-Friendly  
46 Design, and 10. Town Square Design Guidelines to the MCSP Design  
47 Guidelines; and 4) Other Minor Non-Substantive Changes  
48

1 **Report reviewed by: Cynthia Battenberg, Town Manager**  
2 **Karen Murphy, Assistant Town Attorney**  
3

4 **Attachments:**

- 5 **A.** Resolution \_\_-2020 Zoning Code Amendments  
6 Exhibit A Draft Zoning Code
- 7 **B.** Resolution \_\_-2020 Design Guidelines  
8 Exhibit A Draft Moraga Design Guidelines
- 9 **C.** Draft Zoning Code, redline and strikeout
- 10 **D.** Draft Design Guidelines, redline and strikeout
- 11 **E.** Design Scenarios [link](#)
- 12 **F.** CAC Recommendations
- 13 **G.** January 2010 MCSP [link](#)
- 14 **H.** Draft Environmental Impact Report [link](#):
- 15 **I.** Final Environmental Impact Report [link](#)

# ATTACHMENT A

Resolution \_\_\_ - 2020 Zoning Code Amendments  
Exhibit A Draft Zoning Code

BEFORE THE PLANNING COMMISSION OF THE TOWN OF MORAGA

In the Matter of:

Recommending the Town Council Adopt an Ordinance to:

1) Adopt a new Zoning Map within the MCSP Area; and

2) Update Title 8 of the Moraga Municipal Code Including Chapters 8.04 – General Provisions and Definitions, 8.24 – One, Two, and Three Dwelling Units per Acre Residential Districts; 8.32 – Six Dwellings per Acre Multifamily Residential District (R-6); 8.34 – Twenty Dwelling Units per Acre Residential District (R-20); 8.36 – Community Commercial District; 8.40 – Limited Commercial District; 8.44 – Suburban Office District; 8.48 – Planned Development District; 8.50 – Planned Development-Commercial (PD-C); 8.52 – MOSO and Non-MOSO Open Space Districts; 8.56 – Institutional District; 8.60 – Study District; 8.76 – Off-Street Parking and Loading; 8.124 - Accessory Dwelling Units; and

3) Establish the Following New Chapters within Title 8 of the Moraga Municipal Code, Chapter 8.33 – Twelve Dwelling Units per Acre Multifamily Residential District (R-12); Chapter 8.37 – MCSP Commercial District (MCSP-C); Chapter 8.41 – MCSP Mixed Retail/Residential; (12-20 Dwelling Units per Acre) (MCSP MU-RR); Chapter 8.42 – MCSP Mixed Office/Residential (12-20 Dwelling Units per Acre) (MCSP MU-OR); Chapter 8.65 – Moraga Ranch Overlay District; Chapter 8.200 – Moraga Center Specific Plan Area Regulations.

Resolution No. \_\_\_-2020

**WHEREAS**, on June 4, 2002, the Town of Moraga adopted a General Plan with Guiding Principle 4: Create a community “focal point” in the vicinity of the Moraga Center shopping area and Moraga Commons; and

**WHEREAS**, the General Plan sets forth Policy LU3.1 Moraga Center Area Specific Plan (MCSP), which requires the Town to “Undertake a specific planning process for the area designated on the General Plan Diagram as the “Moraga Center Area Specific Plan”; and

**WHEREAS**, the General Plan sets forth Policy CD6.5 Moraga Center Area, which requires that the Town “Use the Moraga Center Area Specific Plan to create a community focal point and mixed-use activity center of businesses and higher density residences with a unified ‘village’ character; and

**WHEREAS**, after issuing a Notice of Preparation on July 30, 2007 to prepare a California Environmental Quality Act (CEQA) Initial Study, on June 17, 2008 the Town published the MCSP DEIR with a public comment period from June 17, 2008 to August 1, 2008, and held public hearing on July 7, 2008 (Planning Commission), July 8, 2008 (Parks and Recreation Commission), July 9, 2008 (Town Council), and July 22, 2008 (Town Council) to solicit oral comments on the MCSP DEIR; and

**WHEREAS**, on March 26, 2009 the MCSP Final EIR (FEIR) was published with public hearings on March 26, 2009 (Design Review Board), April 6, 2009 (Planning Commission and Parks and Recreation Commission), and April 20, 2009 (Planning Commission) to consider the adequacy of the FEIR; and

**WHEREAS**, on January 27, 2010, the Moraga Town Council adopted Resolution 14-2010 certifying the EIR; and

**WHEREAS**, on January 27, 2010, the Town Council also adopted the Moraga Center Specific Plan (MCSP) to establish a focused mixed commercial and residential neighborhood in the area in and around the existing Moraga Center Shopping Center. The MCSP allows for higher density infill and mixed use (residential, commercial and office) development that is well connected by transit, pedestrian and bicycle facilities. The Moraga Center area has been designated as a Priority Development Area (PDA) by the Association of Bay Area Governments and Metropolitan Transportation Commission, making it eligible for priority grant funding; and

**WHEREAS**, in 2014 the Town of Moraga was awarded a \$150,000 grant by the Contra Costa Transportation Authority (CCTA) for the “Moraga Center Specific Plan Implementation Project.” The goal of the project was to develop zoning code amendments and design standards that will effectively implement the policies and vision set forth in the Specific Plan; and

**WHEREAS**, the Town of Moraga selected consultant team Opticos Design for the completion of the project. In late 2015 Opticos Design team produced a “Vision Concept” for the creation of detailed zoning standards to guide implementation of the Specific Plan. Work on the project was suspended in October 2017 due to lack of funds; and

**WHEREAS**, in March 2018 the Town of Moraga was awarded a grant of \$140,000 through Metropolitan Transportation Commission (MTC) as part of its Priority Development Area (PDA) funding grant program; and

**WHEREAS**, on June 12, 2019 the Town of Moraga hired a consultant team, PlaceWorks, for the preparation of the draft zoning, development standards and design guidelines as part of the MCSP Implementation Project; and

**WHEREAS**, the Town of Moraga held four meetings of the MCSP-IP Citizens Advisory Committee to gather public input on the draft zoning, development standards, and design guidelines on July 8, 2019, September 4, 2019, September 19, 2019 and October 1, 2019; and

**WHEREAS**, on June 3, 2020 the Town of Moraga held a Technical Advisory Committee meeting with representatives from MTC, the Contra Costa Transportation Commission, Fehr & Peers transportation consultant, PlaceWorks and Town staff to obtain input on the Design Scenarios, Streetscape, Parking, and Roadway Specifications and the draft Zoning Provisions and Development Standards; and

**WHEREAS**, on July 20, 2020 and August 17, 2020, at a duly noticed public hearing, the Planning Commission considered the proposed amendments, received public testimony, and declared its intent to recommend to the Town Council the adoption of the proposed amendments.

**NOW, THEREFORE, BE IT RESOLVED** by the Planning Commission of the Town of Moraga that:

**SECTION 1.** Pursuant to California Environmental Quality Act (CEQA), the Town prepared an Environmental Impact Report (EIR) (SCH 200707212) to address the potentially significant adverse environmental impacts associated with the planning, construction, or operation of the Moraga Center Specific Plan (MCSP) and to identify appropriate and feasible mitigation measures and alternatives that may be adopted to significantly reduce or avoid the impacts identified in the EIR. The City certified the Final EIR for Moraga Center Specific Plan project on January 27, 2010. The proposed zoning ordinance will not result in additional environmental effects not previously evaluated in the EIR. The proposed zoning ordinance implements provisions of the MCSP, such as including development standards and zoning districts consistent with the MCSP and already analyzed in the EIR. Further, the proposed zoning ordinance allows for development consistent with the MCSP and analyzed in the EIR. Therefore, there are no new significant environmental effects. In addition, any development project proposed in the MCSP will be required to comply with the Mitigation Monitoring and Reporting Plan adopted in connection with the EIR, as well as go through site-specific environmental review.

Additionally, CEQA Guidelines section 15162 provides that “no subsequent EIR shall be prepared” for a project unless the lead agency determines that (1) “substantial changes

are proposed in the project which will require major revisions of the previous EIR”; (2) “substantial changes occur with respect to the circumstances under which the project is undertaken”; or (3) “new information of substantial importance ... shows” one or more significant effects not discussed in the original EIR, greater severity to previously-identified substantial effects, or newly-found feasible mitigation measures that would substantially reduce significant effects. As there will not be any changes to the proposed project or to the previously-identified effects and mitigation measures, and there is no new information of substantial importance, no additional environmental review is necessary.

Further, it can be seen with certainty under CEQA Guidelines section 15061(b)(3) that there is no possibility the proposed zoning ordinance may have a significant effect on the environment. As noted above, the proposed zoning ordinance implements the existing MCSP and allows for development consistent with and allowed under the MCSP. The ordinance does not create any new standards or regulations that could impact the environment.

**SECTION 2.** Pursuant to Moraga Municipal Code Section 8.12.100, the Commission hereby finds as follows with respect to the proposed zoning map and ordinance:

- a. **The change proposed is consistent with the objectives, policies, general land uses and programs specified in the general plan and applicable specific plan;** in that one of the Town of Moraga General Plan’s Guiding Principles 4: Create a community “focal point” in the vicinity of the Moraga Center shopping area and Moraga Commons. The proposed MCSP zoning ordinance advances the community goals with an environmentally sensitive approach to development that calls for the creation of a mixed-use village with local serving commercial development and a range of residential opportunities. The General Plan sets forth Policy LU3.1 Moraga Center Area Specific Plan (MCSP), which requires the Town to “Undertake a specific planning process for the area designated on the General Plan Diagram as the “Moraga Center Area Specific Plan”. The MCSP ordinance implements an already adopted Moraga Center Specific Plan on January 27, 2010 through purpose, applicability, density and development standards. The General Plan sets forth Policy CD6.5 Moraga Center Area, which requires that the Town “Use the Moraga Center Area Specific Plan to create a community focal point and mixed-use activity center of businesses and higher density residences with a unified ‘village’ character. The MCSP ordinance implements the General Plan policy through zoning districts and a zoning map that establishes distinct districts for mixed retail/residential, mixed office/residential, MCSP Commercial, Planned Development Areas, Residential R020A, Residential R-20B, Residential R-3, Residential R-6, Residential R-12, Open Space, Moraga Ranch Overlay District which allow for more community focal points, mixed use activity center for businesses and higher density residences to allow for a variety of housing choices.

- b. **In case of a general land use regulation, the change proposed is compatible with the uses authorized in, and the regulations prescribed for, the land use district which it is proposed. The proposed Zoning amendments implement and are consistent with the General Plan Map Figure 4-2 MCSP Illustrative Land Use and Circulation Plan.** The amendments would apply to proposed Town MCSP area for residential and commercial zoning districts that are intended to accommodate a broad range of businesses offering consumer goods and services that meet the everyday and specialized needs of Moraga and the surrounding communities. The proposed amendments are intended to provide an economically viable, environmentally sensitive approach to development with mixed-uses village with local serving commercial development and a range of residential opportunities uses consistent with the overall vision of creating a Village.
  
- c. **A community need is demonstrated for the changes proposed** as directed by the Town of Moraga’s General Plan of 2002 which included Land Use policy LU3.1 as well as Community Design policy CD6.5 which call for development of a ‘specific plan’ for the area around one of the Town’s major shopping and activity centers- the Moraga Center. The MCSP was adopted in 2010, consistent with the aims of the General Plan, to provide a vehicle for ensuring that this area of Town is “planned” in order to address the important community needs such as new growth, housing needs and environmental protection. The MSCP also accommodates future demand for services such as sewer, water, roads etc. and implements goals and policies for directing and managing growth. The proposed zoning map and ordinance implements the MCSP and adopts and incorporates consistent zoning as required by state law.
  
- d. **Its adoption of the ordinance will be in conformity with public convenience, general welfare and good zoning practice** in that the MCSP provides for the economic and physical revitalization of the existing shopping center through reinvestment and increased residential and commercial developments. It implements the needs of residents by providing increasing shopping and dining opportunities and a range of housing options especially senior housing for an aging population. The proposed zoning map and ordinance implements the MCSP and adopts and incorporates consistent zoning as required by state law. The zoning code amendments allow for districts, purpose, applicability, standards and densities.

**SECTION 3.** The Planning Commission hereby recommends that the Town Council adopt a Revised Zoning Map, and Update and add New Chapters to Title 8 of the Moraga Municipal Code, consistent with the Moraga Center Specific Plan adopted January 27, 2010, as shown in Exhibit 1, attached hereto and incorporated herein by this reference, as follows:

- 1. **Adopt a new Zoning Map within the MCSP Area, as shown in Exhibit 1, attached hereto and incorporated herein by this reference.**

2. **Update Title 8 of the MORAGA MUNICIPAL CODE including the chapters and sections described below, as shown in Exhibit 1, attached hereto and incorporated herein by this reference:**

**Chapter 8.04– GENERAL PROVISIONS and DEFINITIONS** - New definitions added throughout Chapter 8.04 and deletion of some definitions.

**Chapter 8.24– ONE, TWO, and THREE DWELLING UNITS per ACRE RESIDENTIAL** - Updates to 8.24.055 Density, 8.24.060 Minimum Lot Area and Yard Setback Requirements

**Chapter 8.32– SIX DWELLING UNITS per ACRE MULTIFAMILY RESIDENTIAL DISTRICT (R-6)** - Updates to 8.32.020 Permitted Uses, Conditional Uses, 8.32.040 Density, 8.32.060 Site Standards Outside the MCSP, 8.32.065 Site Standards Within the MCSP, 8.32.070 Development Standards

**Chapter 8.34– TWENTY DWELLING UNITS per ACRE RESIDENTIAL DISTRICT (R-20)** - Updates to 8.34.020 Definitions, 8.34.040 Density, 8.34.060 Development Standards, 8.34.070 Design Requirements

**Chapter 8.36– COMMUNITY COMMERCIAL DISTRICT** - Updates to 8.36.015 Definitions, 8.36.040 Site Standards

**Chapter 8.40– LIMITED COMMERCIAL DISTRICT** - Updates to 8.40.020 Permitted Uses, Conditional Uses

**Chapter 8.44– SUBURBAN OFFICE DISTRICT** - Updates to 8.44.020 Permitted Uses, 8.44.030 Conditional Uses

**Chapter 8.48– PLANNED DEVELOPMENT DISTRICT** - Updates to 8.48.100

**Chapter 8.50– PLANNED DEVELOPMENT COMMERCIAL** - Updates to 8.50.020 Definitions, 8.52.0030 Permitted Uses, 8.52.040 Conditional Uses

**Chapter 8.52– MOSO and NON-MOSO OPEN SPACE DISTRICTS** - Updates to 8.52.030 Permitted Uses, 8.52.040 Conditional Uses

**Chapter 8.56– INSTITUTIONAL DISTRICT** - Updates to 8.56.020 Permitted Uses, 8.56.030 Conditional Uses

**Chapter 8.60– STUDY DISTRICT** - Updates to 8.60.020 Permitted Uses, 8.40.030 Conditional Uses

**Chapter 8.76– OFF-STREET PARKING and LOADING** - Updates to 8.76.080  
Shared Parking

**Chapter 8.124– ACCESSORY DWELLING UNITS** - Updates to 8.124.020  
Definitions

3. **Establish and add the following New Chapters to Title 8 of the MORAGA MUNICIPAL CODE, as shown in Exhibit 1, attached hereto and incorporated herein by this reference.**

**Chapter 8.33 TWELVE DWELLING UNITS per Acre MULTI-FAMILY RESIDENTIAL DISTRICT (R-12)**

New 8.33.010 Purpose  
New 8.33.020 Permitted Uses  
New 8.33.030 Conditional Uses  
New 8.33.040 Density  
New 8.33.050 Development Standards

**Chapter 8.37 – MCSP COMMERCIAL DISTRICT (MCSP\_C)**

New 8.37.010 Purposes  
New 8.37.020 Permitted Uses  
New 8.37.030 Conditional Uses  
New 8.37.040 Development Standards

**Chapter 8.41 MCSP Mixed Retail/Residential (12-20 Dwelling Units per Acre)**

New 8.41.010 Purpose  
New 8.41.020 Permitted Uses  
New 8.41.030 Conditional Uses  
New 8.41.040 Residential Density  
New 8.41.050 Development Standards

**Chapter 8.42 – MCSP Mixed Office/Residential (12-20 Dwelling Unit per Acre)**

New 8.42.010 Purpose  
New 8.42.020 Permitted Uses  
New 8.42.030 Conditional Uses  
New 8.42.040 Residential Density  
New 8.42.050 Development Standards

**Chapter 8.65 – Moraga Ranch Overlay District**

New 8.65.010 Purpose  
New 8.65.020 Applicability  
New 8.65.030 Design Requirements

**Chapter 8.200 – Moraga Center Specific Plan Area Regulations**

New 8.200.010 Purpose

- New 8.200.020 Applicability
- New 8.200.030 MCSP Zoning Districts
- New 8.200.040 Moraga Center Development Potential
- New 8.200.050 Moraga Center Design Requirements
- New 8.200.060 Town Square
- New 8.200.060 Required Streets, Trails, and Bridges
- New 8.200.070 Street Types and Design Standards
- New 8.200.080 Trail Design Standards
- New 8.200.090 Standards Near Creek and Channel Setbacks

**PASSED AND ADOPTED** by the Planning Commission of the Town of Moraga at a regular meeting held on August 17, 2020 by the following vote:

- AYES:**
- NOES:**
- ABSTAIN:**
- ABSENT:**

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David Stromberg, Chairman

Attest:

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Afshan Hamid, Planning Director

## **Title 8 – Planning and Zoning**

### **Chapter 8.04 – General Provisions and Definitions**

#### **8.04.020 – Definitions.**

“Accessory Dwelling Unit”, or "ADU," means a residential dwelling unit attached to or detached from an existing primary unit, or entirely enclosed within an existing building, which provides complete independent living facilities for one or more persons. It shall include permanent provisions for living, sleeping, eating, cooking, and sanitation on the same parcel where the existing primary unit is situated. An accessory dwelling unit also includes the following:

- A. An efficiency unit, as defined in Section 17958.1 of the California Health and Safety Code.
- B. A manufactured home, as defined in Section 18007 of the California Health and Safety Code.

"Adjacent to the parking spaces for the existing primary unit" means within fifteen (15) feet of the nearest edge of the parking structure (garage or carport) including any storage areas within the parking structure; or within fifteen (15) feet of a legal, uncovered parking space for the existing primary unit.

“Adult Day Care Center” means a state-licensed facility that provides nonmedical care and supervision for dependent adult clients for periods of less than 24 hours for any client.

"Adult (Sex-oriented) Business" means a business establishment or concern which as a regular and substantial course of conduct offers, sells or distributes adult-oriented material or sexually oriented merchandise, or which offers to its patrons materials, products, merchandise, services or entertainment characterized by an emphasis on matters depicting, describing, or relating to specified sexual activities or specified anatomical areas.

"Agriculture" means the tilling of soil, the raising of crops, horticulture, dairying, and the raising and managing of livestock, and any accessory buildings or structures for agricultural activities.

“Animal Services” means any of the following:

- A. “Boarding, kennel” means a commercial establishment that provides overnight boarding for household pets as a paid service and/or breeding services. This classification does not include animal hospitals that provide 24-hour accommodations for animals receiving medical services. (See also “Hospital, veterinary clinic” under “Animal Services.”)
- B. “Dog day care, dog training” means a commercial establishment that provides less than 24-hour keeping, boarding, or training for household pets as a paid service. This classification does not include facilities that provide overnight accommodations.
- C. “Grooming” means a commercial establishment that provides household pet grooming services with no boarding services.

- D. "Hospital, veterinary clinic" means office and indoor medical treatment facilities used by veterinarians, including large and small animal veterinary clinics, and animal hospitals. (See also "Boarding, kennel" under "Animal Services.")

"Antique, Collectible Stores" means a retail establishment that sells antiques, curios, gifts and souvenirs, and collectible items including sports cards and comic books. This classification does not include stores selling other types of secondhand items, including clothing, household items, or furniture, including consignment stores or pawn shops (See "Restrictions" under "Retail Business").

"Area A" means the 6.135-acre area of the R-20 district designated as Area A on the MCSP Zoning Map in Chapter 8.200.

"Area B" means the portion of the R-20 district not designated as Area A and designated as area B on the MCSP Zoning Map in Chapter 8.200.

"Assembly or Meeting Facility" means a facility for public or private meetings, including community centers, civic and private auditoriums, Grange halls, union halls, meeting halls for clubs, lodges and other membership organizations. Also includes functionally related internal facilities such as kitchens, multi-purpose rooms, and storage. Does not include conference and meeting rooms accessory and incidental to another primary use that are typically used only by on-site employees and clients, and occupy less floor area on the site than the offices they support (see "Offices"). Does not include sports or other commercial entertainment facilities (see "Cultural institution"; "Theater, auditorium"; and "Sports and entertainment, assembly" under "Recreational Facilities"). Does not include religious facilities (see "Religious Facilities" and "Major Religious Facilities").

"Attached ADU" means an ADU that does not qualify as a fully contained ADU and that is located at least partially within a newly constructed expansion of, or addition to, an existing primary unit.

"Automobile Services and Repair" means any of the following:

- A. "Car wash, attended" means a commercial facility for washing cars where a service attendant washes the vehicle using on-site equipment or the car operator drives through an automated car washing and drying facility. An owner or his representative is on location to participate in the operation of the facility.
- B. "Car wash, unattended" means a commercial facility where the car operator uses water hoses, soap dispensers, drying and other on-site equipment to wash the vehicle with no facility owner or representative present during the washing. For example, the customer feeds coins into a machine in order to operate the hoses and drying vacuums for a set period of time.
- C. "Gas station" means a commercial facility that sells gasoline and/or diesel fuel for the on-site fueling of individual vehicles and may include a small mini-mart, minor maintenance/repair facilities and services, and unattended car wash as incidental uses. This classification does not include vehicle or truck rentals such as U-haul rentals or fleet services. (See "Vehicle and Equipment Facilities.")

- D. "Maintenance services" means an establishment that provides maintenance services as opposed to repair while customers wait, such as oil changes, tune-ups, smog checks, tire sales and installation, auto radio/electronics installation, auto air conditioning/heater service, and the sale of related parts and accessories. There is no overnight storage and most work is performed within a building or under covered bays.
- E. "Major repair/body work" means an establishment that provides major repair that may require vehicles to be stored on an overnight basis such as body and fender work, vehicle painting, transmission shops, exhaust and suspension systems, engine overhauls involving the removal of engine blocks, painting and undercoating, glass replacement, upholstery and convertible top service, radiator, transmission, and wheel and axle repair. This classification does not include vehicle dismantling or salvaging and tire retreading or recapping.
- F. "Minor repair" means an establishment that provides repair, service, alteration, restoration, painting, cleaning, or maintenance of automobiles, light-duty trucks, motorcycles, including the sale, installation, and servicing of parts, where repairs are made or service provided in enclosed bays. Activities could include auto detail or brake and muffler work.
- G. This classification does not include automobile repair when incidental to a new car dealership (see "Dealership" under "Automobile Sales and Rental/Leasing"), and dismantling and salvage yards (see "Automobile wrecking, dismantling yard"), or repair of heavy trucks, construction vehicles, motor homes, and recreational vehicles (see "Heavy vehicle and large equipment, sales/rental, service, and repair" under "Vehicle and Equipment Facilities")

"Banks and Financial Services" means any of the following:

- A. "Bank, credit union" means a financial institution that provides retail banking services. Examples include institutions engaged in the on-site circulation of money, including credit unions. This classification does not include check cashing businesses.
- B. "Bank with drive-through service" means a facility where banking services may be obtained by motorists without leaving their vehicles.
- C. "Check cashing business" means an establishment that provides compensation for checks, warrants, drafts, money orders, or other commercial paper serving the same purpose. This classification also includes establishments offering deferred deposits, whereby the check casher refrains from depositing a personal check written by a customer until a specific date pursuant to a written agreement as provided in California Civil Code Section 1789.33.
- D. The above facilities may include automatic teller machines (ATM's).
- E. This classification does not include state or federally chartered banks, savings associations, credit unions, or industrial loan companies and retail sellers that cash checks or issue money orders incidental to the main business.

"Banquet Hall" means a space or venue intended for hosting of a party, banquet, wedding or other reception, or other social event.

"Big Box Retail Business" means a retail establishment that is over 80,000 square feet that engages in the sale or rental retail goods, wares, merchandise, services and other personal or real property.

"Building" means a structure, whether free-standing or attached, enclosed by exterior and/or interior or party walls, or a combination thereof, that is covered by a single roof structure, and which may house single or multiple tenants or tenant spaces.

"Building Materials Sales and Services" means an indoor or outdoor establishment selling building and landscaping materials such as cabinetry, fixtures, flooring, glass, lumber, paint, wallpaper, electrical and HVAC equipment, plants and landscaping materials including rock, stone, and masonry products to the general public. Establishments may include stores with indoor service areas and showrooms. Does not include large format retail home stores in buildings over 80,000 square feet (see "Big Box Retail Business"). May include Outdoor Storage.

"Business Support Services" means an establishment that provides goods and services primarily to other businesses. Examples include:

- A. Graphics, and advertising services.
- B. Bookkeeping.
- C. Computer-related services.
- D. Copying and blueprint services.
- E. Office equipment rental and leasing.
- F. Publishing services.
- G. Secretarial, word processing and temporary clerical services.
- H. This classification does not include professional, executive, editorial, or management services. (See "Professional Services"),

"Catering Service" means a business that prepares food for consumption on the premises of a client or at any other location separate from where the food was prepared.

"Child Day Care Center" means facilities that provide nonmedical care and supervision of minors for periods of less than 24 hours. These facilities, all of which are required to be licensed by the California State Department of Social Services, include the following:

- A. "Family day care home," as defined by Health and Safety Code Section 1596.78, means a home that regularly provides care, protection, and supervision for 14 or fewer children in the provider's own home, for periods of less than 24 hours per day, while the parents or guardians are away, including the following:
  - 1. Small. A day care facility in a single-family dwelling where an occupant of the residence provides childcare for six or fewer children under the age of six or up to eight children when two of the children are at least six years of age, including children under the age of 10 years who reside at the residence.
  - 2. Large. A day care facility in a single-family dwelling where an occupant of the residence provides childcare for seven to 12 children under the age of six or up to 14 children when two of the children are at least six years of age, including children under the age of 10 years who reside at the residence.

- B. "Nursery School, Preschool, Childcare" means a commercial or nonprofit child day care facility designed and approved to accommodate 15 or more children. Examples include nursery schools, preschools, and day care facilities. These may be operated in conjunction with a school or church facility, or as an independent land use.

"Congregate Care Housing", also known as "Residential Care Facility", means housing with individual living units which provides residents with central management, a minimum of two meals per day in a central dining facility, transportation services, recreational activities and facilities, and social activities and facilities. These facilities may also include additional maid and linen service, sundries, beautician, banking and other similar services where they are appurtenant to the congregate care use on the site. Congregate care housing may also be conjoined with a nursing and medical facility.

"Contractors, Special Trade" means the following:

- A. "Cabinet shop" means a facility that provides indoor and outdoor carpentry workspace, as well as areas where finished products are sold.
- B. "Sheet metal shop" means a facility that provides indoor and outdoor sheet metal fabrication workspace, as well as areas where finished products are sold.
- C. "Lumber yard" means a facility that provides outdoor storage facilities operated by, and/or on behalf of, a licensed construction or landscape contractor for the storage of lumber materials and products along with vehicles and equipment commonly used for receiving, processing, storing, and delivering lumber. The facility may include an office and other indoor working or storage space.
- D. "Contractor office, no outdoor storage" means a facility with offices operated by, and/or on behalf of, a licensed construction or landscape contractor. It may include indoor working or storage space for the storage of materials, equipment, vehicles, and other materials commonly used in the individual contractor's type of business including repair and maintenance of the equipment and vehicles, and related buildings or structures for such use. The facility does not include outdoor working or storage space.
- E. "Contractor yard, with outdoor storage" means a facility that provides outdoor storage facilities operated by, and/or on behalf of, a licensed construction or landscape contractor for the storage of materials, equipment, vehicles, and other materials commonly used in the individual contractor's type of business including repair and maintenance of the equipment and vehicles, and related buildings or structures for such use. The facility may include an office and other indoor working or storage space.

"Convenience Store" means a business establishment that engages in the retail sale of food, beverages, sundries and other small, personal convenience items, primarily for off-premises consumption and typically found in establishments with long or late hours of operation and in relatively small buildings or tenant spaces.

“Creeks and Drainage Channels” means any creeks, channels, and tributaries shown in the map titled “Moraga Storm Drainage System”, as may be amended, on file with the Town of Moraga Public Works Department.

“Cultural Institution” means a public or quasi-public facility that provides displays, entertainment, display of art or science objects, including performing arts centers for theater, dance, and events, museums, historical sites and exhibits, art galleries, and botanical gardens and may include retail uses such as a gift shop, bookshop, or restaurant.

"Density Bonus" means an increase in the established residential density in accordance with Government Code Section 65915 et seq.

"Dependent Senior Residential Dwelling Unit" means a "Residential Dwelling Unit" without provisions for cooking within the unit, provided that one hundred (100) percent of the housing meets the requirements of Section 51.3 of the California Civil Code and that cooking and eating facilities are provided on site.

"Detached ADU" means an ADU that does not qualify as a fully contained ADU and that is located at least partially within new construction that is part of a physical structure which is detached from the existing primary unit. More specifically, a detached ADU is located within a newly and legally constructed separate accessory building, or a newly constructed expansion of, or addition to, a pre-existing legally constructed separate accessory building.

"Discretionary Review Process" means the review processes identified in MMC Chapters 8.72, 8.48 and 8.132, if applicable.

“Drive-in Service” means a feature or characteristic of a use involving the sale of products or the provision of services to an occupant in a vehicle and includes a drive-in or drive-up window or a drive-through service, such as mechanical automobile washing or a drive-through pharmacy or bank.

“Eating and Drinking Establishments” means any of the following:

- A. “Bar, night club, lounge” means an establishment that serves beer, wine, and distilled spirits on the premises under a Type 48 License (On-Sale General for Public Premises) issued in accordance with applicable California Department of Alcoholic Beverage Control regulations.
- B. “Micro-brewery/micro-distillery” means a facility for the production and packaging of alcoholic beverages for distribution, retail, or wholesale, on or off premises and which meets all applicable California Department of Alcoholic Beverage Control regulations.
- C. “Restaurant, full service” means a restaurant that prepares food, may include alcoholic drinks, and serves seated customers who select food from a menu. Take-out service is optional and may not be available.
- D. “Restaurant, limited service” means an establishment that prepares food or sells packaged food for on-site consumption, take-out, or delivery. Typically customers self-serve or are served partially. This classification includes cafeterias, delicatessens, fast-food restaurants, sandwich shops, pizza parlors, snack bars, take-out restaurants, and catering businesses or bakeries that have a storefront restaurant component.

- E. "Restaurant with drive-in service" means a restaurant where food or coffee type beverages may be purchased by motorists who remain in their vehicles during the sales transaction.
- F. "Restaurant with live entertainment" means a full service or limited service restaurant that also provides live music, a disc jockey, karaoke, dancing to live or recorded music, and/or comedy or theatrical performances to patrons. This classification does not include coin-operated music player machines, i.e., jukeboxes, or other recorded music.
- G. "Tasting room" means a facility allowing on-site tasting of alcoholic beverages and retail sales directly to the public and possessing the appropriate California Department of Alcoholic Beverage Control license type. The tasting room may be operated within a micro-brewery/micro-distillery facility, accessory to a separate on-site use, or as a stand-alone retail use. Outdoor eating areas shall be permitted as an accessory use to a tasting room consistent with CDC 18.200.190, Sidewalk cafes and outdoor eating areas.
- H. All Eating and Drinking Establishments may include outdoor seating.

"Emergency Shelter" means housing in conformance with requirements under Chapter 8.164 that is designed for and occupied by homeless persons for no more than six months in a consecutive 12-month period.

"Existing Primary Unit" means an existing single-family residence with a valid certificate of occupancy.

"Firearm Store" means a retail store or wholesale business that derives its principal income from buying and selling firearms, with or without sale of ammunition and/or firearms accessories.

"Fitness Facility, Health Club" means a large scale fitness center, health, or athletic club with activities and facilities such as fitness centers, fitness classes, gymnasiums, indoor and outdoor sport courts, spa facilities, swimming pools, and other member facilities and services. This classification may include limited retail sales and restaurant facilities. This classification does not include adult entertainment businesses [See "Adult (Sex-oriented) Business"].

"Food, Beverage Sales" means any of the following:

- A. "Convenience store" means a neighborhood serving establishment that sells a range of food and merchandise oriented to daily convenience shopping needs such as limited groceries, prepackaged food, tobacco products, beverages, and other household goods for off-site consumption. A convenience store may be part of a service station or an independent land use and may typically have late hours or 24-hour operation. Convenience stores may include sale of alcoholic beverages.
- B. "Grocery store" means a retail establishment where the majority of the floor area open to the public is occupied by food products packaged for preparation and consumption away from the store. This classification includes retail chains that carry a full range of food and household products and have more than one location. Grocery stores may include sale of alcoholic beverages. This also includes retail bakeries where any on-site baking is only for on-site sales. This classification does not include large-scale grocery stores that are combined with a retail store.

- C. "Specialty food shops" means a retail establishment that sells specialty foods such as seafood or meat markets, retail bakeries, and similar uses
- D. "Liquor store" means a retail establishment that sells packaged alcoholic beverages including beer, wine, and distilled spirits. This classification does not include large format retail establishments that have hours of operation similar to retail department stores.

"Fully Contained ADU" means an ADU which is established entirely within the pre-existing building envelope of either (i) an existing primary unit or (ii) any other pre-existing, legally constructed building located upon any lot containing an existing primary unit.

"General Retail Store" means a business establishment that engages in the sale or rental of a broad array of retail goods, wares, merchandise or other personal or real property for profit or livelihood, including grocery stores and pharmacies.

"Government Office" means a facility that provides administrative, clerical, or public contact and/or service offices of a local, state, or federal government agency or service facility. Examples include city halls, post offices, fire stations, and police substations with incidental storage and maintenance of vehicles. This classification does not include facilities such as corporation yards, equipment service centers, and similar facilities that primarily provide maintenance and repair services, and storage facilities for vehicles and equipment. (See "Public maintenance and service facility").

"Hotel" means a facility that provides guest rooms or suites, with or without kitchen facilities, intended or designed for transient lodging and includes any hotel, boutique hotel, motel, inn, guest house, or bed and breakfast at a fixed location. These facilities may include in addition a variety of services such as restaurants, meeting facilities, spas or other personal services, and accessory guest facilities including swimming pools, sport courts, exercise facilities, and accessory retail sales.

"Indoor Entertainment Facility" means a business establishment offering participant and/or spectator/viewer recreation or entertainment within a building, including bowling alleys, billiard halls, movie theaters, karaoke halls, video game arcades and virtual reality gaming cafes. This does not include any establishments or venues offering games of chance, gambling or internet sweepstakes, all of which are prohibited in any zoning district in the town.

"Interior Living Area" means the gross interior horizontal area of a dwelling unit including but not limited to all rooms, hallways, closets, bathrooms and storage areas and specifically including the depth of all walls that divide any interior spaces but excluding the depth of all exterior walls and excluding an enclosed garage.

"Junior Accessory Dwelling Unit," or "JADU," means a residential dwelling unit that provides independent and permanent living facilities for one or more persons (including provisions for living, sleeping, and eating), is no more than 500 square feet in size, and is contained entirely within the pre-existing building envelope of an existing primary unit. A junior accessory dwelling unit shall include either separate sanitation facilities, or sanitation facilities shared with the existing primary unit.

"Licensed Massage Establishment" means a business which offers or administers massage services by massage practitioners holding a current and valid state certificate issued by the California Massage Therapy Council pursuant to California Business and Professions Code §§ 4600 et seq. as amended from time to time, whether as a massage practitioner or therapist, as defined therein.

"Live Entertainment Venue" means a business establishment which offers participant and/or spectator live entertainment, including concert halls, cabarets, dance halls and dinner theaters.

"Major Religious Facility" means a religious facility with an average weekend attendance of 300 or more people.

"MCSP" means the Moraga Center Specific Plan, adopted in January 2010, as it may be amended.

"Media Production Facility" means a facility that provides indoor commercial and public communication/telecommunication uses, as well as outdoor sets, backlots, and other outdoor facilities for motion picture, television, video, sound, computer, and other communications media production. Indoor communication uses would include radio and television broadcasting, receiving stations and studios with facilities entirely within buildings. This classification does not include exterior-mounted antennas and transmission towers (see "Utility Facility, Transmission Towers") or transmission and receiving apparatus, antennas and towers (see "Wireless Communications Facility").

"Medical" means any of the following:

- A. "Hospital, medical center" means hospitals and similar facilities engaged primarily in providing diagnostic services, and extensive medical treatment, including surgical and other hospital services. These establishments have an organized medical staff, inpatient beds for overnight stays, emergency services, and equipment and facilities to provide complete health care. These facilities may also include accessory uses such as on-site clinics, laboratories, emergency heliports, nursing facilities, extended care facilities, physical therapy, gift shops, retail pharmacies, cafeterias or restaurants, and related uses operated primarily for the benefit of patients, staff, and visitors and on-site ambulance dispatch facilities.
- B. "Medical services facility" means a facility, other than a hospital, where medical, dental, mental health, surgical, and/or other personal health care services are provided on an outpatient basis. A medical services facility use would provide consultation, diagnosis, therapeutic, preventative or corrective treatment services by doctors, dentists, chiropractors, counselors, physical therapists, respiratory therapists, acupuncturists, psychiatrists, psychologists, and similar practitioners of medical and healing arts for humans licensed for such practice by the state of California. This classification does not include counseling services and other services provided by nonmedical or health professionals (see "Offices, Professional" or "Social service facility"), massage therapy (see "Personal Services, General" or "Personal Services, Restricted"), and cannabis-related uses (see "Cannabis Uses").

- C. "Nursing facility/extended care" means state-licensed residential facilities that provide 24-hour nursing and health-related care as a primary use with inpatient beds. Examples include board and care homes, convalescent hospitals, rest homes, extended care facilities, and skilled nursing facilities. Long-term personal care facilities that do not emphasize medical treatment are included under residential care facility.
- D. "Urgent care facility" means a state-licensed facility other than a hospital that provides medical care services and treatment on an outpatient basis, with an emphasis on minor emergency care. These facilities may also include incidental medical laboratories. This classification does not include private medical and dental offices.

"Ministerial Review Process" means the review process identified in Section 8.34.080 of this chapter.

"Multi-Use Path" means a paved, off-road facility designed for a variety of non-vehicular travel modes, such as pedestrians and bicycles.

"Multi-Use Trail" means an unpaved, off-road facility designed for a variety of non-vehicular travel modes, such as pedestrians and bicycles.

"Offices" means any of the following:

- A. "Administrative, information processing" means an establishment that provides information processing, computer-dependent, and telecommunications-based activities, typically characterized by high employment densities. Examples include:
  - B. Airline, lodging chain, and rental car company reservation centers (no vehicle storage).
  - C. Computer software and hardware.
  - D. Design and development.
  - E. Consumer credit reporting.
  - F. Data processing services.
  - G. Health management organization (HMO) offices where no medical services are provided
  - H. Insurance claim processing.
  - I. Mail order and electronic commerce transaction processing.
  - J. Wireless communications facility design and management.
  - K. Telemarketing.
  - L. This classification does not include dispatch offices or offices for service-oriented businesses that have company vehicles or require storage of materials or equipment. (See "Fleet-Based Service").

"Outdoor Retail Sales" means the outdoor retail sales facilities that display of merchandise incidental to an adjacent indoor retail use or are an independent retail use. Includes news and flower stands. Includes nurseries or garden centers. Does not include the sale of automobiles and recreational vehicles (See "Automobile Sales and Rental/Leasing"), mobile homes, or building or landscape materials (See "Building Materials Sales and Services").

"Outdoor Living Areas" means an area on the exterior of an ADU that is designed for human use or habitation including but not limited to a patio, deck or yard that can accommodate appurtenances including but not limited to a barbecue pit, an outdoor dining table, a hammock, a lounge chair, a bench or a spa.

"Park and Outdoor Recreational Facilities" means an outdoor recreation facility that provides a variety of recreational opportunities such as playground equipment, open space areas for passive recreation and picnicking, interpretative facilities and trails, and sport and active recreation facilities. This classification includes related community facilities and accessory commercial facilities that provide visitor services. This classification does not include sports recreational facilities, which are intensive recreation facilities such as batting cages, swimming pools, lighted athletic facilities or multiple playing fields. (See "Sports Recreation Facility").

"Passageway" means a pathway that is unobstructed clear to the sky and extends from the street to one entrance of an ADU.

"Payday Lending Establishment" means a person or entity that offers, originates, or makes a deferred deposit transaction, whereby a person or entity defers depositing a customer's personal check until a specific date, pursuant to a written agreement. "Payday lending establishment" is equivalent to a "deferred deposit originator" as defined in Section 23001(f) of the California Financial Code, as amended from time to time. "Payday lending establishment" does not include a state or federally chartered bank, thrift, savings association, industrial loan company, or credit union.

"Personal Services, General" means an establishment that provides recurrently needed nonmedical services of a personal nature, which may involve the retail sales of products related to the services provided. This classification applies to establishments with a primary focus of household and consumer product repair, as opposed to a retail sales establishment that offers service and repair of their merchandise as an ancillary use. (See "General" under "Retail Business"). Does not include massage services (See "Licensed Massage Establishment"). Examples include:

- A. Barber and beauty shops.
- B. Clothing rental.
- C. Day spas.
- D. Dry cleaning pick-up stores with limited equipment (excludes central dry cleaning plants).
- E. Computer, home electronics and small appliance repair.
- F. Laundromats (self-service laundries).
- G. Parcel delivery.
- H. Pharmacies.
- I. Portrait photography.
- J. Shoe repair shops.
- K. Tailors and seamstresses.
- L. Tanning salons.
- M. Travel agencies.

“Personal Services, Improvement or Instructional” means an establishment that provides instructional services or facilities for personal improvement including fine arts, crafts, dance or music studios, exercise or fitness studios, learning centers, driving schools, photography, diet center, and martial arts. This classification does not include vocational training.

“Personal Services, Other” means an establishment that provides personal services that are not covered by “Personal Services, General” or “Personal Services, Improvement or Instructional”. Examples include:

- A. Bail bonds.
- B. Fortune tellers.
- C. Palm and card readers.
- D. Pawn shops.
- E. Psychic readers.
- F. Spas and hot tubs for hourly rental.
- G. Tattoo and body piercing services

“Professional Services” means an establishment that provides professional, executive, editorial or management services. Examples include:

- A. Accounting, auditing, bookkeeping, financial management and investment services, and tax preparation.
- B. Advertising agencies, commercial art and design services.
- C. Design professionals, architects, engineers, landscape architects, urban planners.
- D. Educational, scientific and research organizations.
- E. Employment agencies.
- F. Legal offices.
- G. Management and public relations services.
- H. Nonmedical counseling services. Examples include, but are not limited to, career or life coaching, financial consulting.
- I. Real estate offices.
- J. This classification does not include dispatch offices or offices for service-oriented businesses that have company vehicles or require storage of materials or equipment. (See “Fleet-Based Service”).

“Public Maintenance and Service Facility” means a facility that provides maintenance and repair services for local, state, or federal government agencies or service facilities, including storage of vehicles, equipment, and materials. Examples include corporation yards, equipment service centers, and similar facilities.

“Religious Facility” means a space or venue intended for people to visit and gather for religious activities, including worship, congregation, and other activities affiliated with the religion, but does not include a Major Religious Facility as defined in this Section.

“Research and Development, or Laboratory” means an establishment that performs laboratory work and/or conducts research, development, and controlled production of high-technology electronics,

biotechnology, industrial or scientific products or commodities. Laboratory tasks include testing, analysis, medical, dental, or optical laboratory services, and photographic development services. Other typical tasks include limited manufacturing, fabricating, processing, assembly or storage of prototypes, devices, compounds, products or materials, or similar related activities, where such activities are incidental to research, development or evaluation. All activities in this classification occur within a building. This classification may include uses that produce noise, vibrations, illumination, or particulate matter that is perceptible to adjacent land uses, but not offensive or obnoxious.

"Residential Dwelling Unit" means a building or area within a building that provides complete independent living facilities for one or more persons including permanent provisions for living, sleeping, cooking, eating, and sanitation. A motor home, trailer, camper, dormitory room, motel or hotel room, suite or extended stay unit is not a residential dwelling unit.

"Retail business" means the following:

- A. General: An establishment that sells or rents retail goods, wares, merchandise, services and other personal or real property. Examples include appliances and electronics stores, department stores, office and stationery supplies, bookstores, clothing and apparel, pet stores, specialty food stores selling premade or packaged food for off-site consumption (e.g., candy stores, wine shops), sporting goods, toy stores, and audio and video rental.
- B. Specialty: An establishment that engages in the sale of specific categories of products for profit or livelihood, including furniture stores, appliance stores, clothing stores, and hardware stores.
- C. Shopping Centers: These establishments primarily operate within an enclosed store but may also include permanent and partly enclosed facilities for outdoor display of merchandise when incidental to the main store (e.g., garden centers operated in conjunction with a neighborhood drug store or hardware store). Services related to the merchandise sold may be permitted as an ancillary use (e.g., photo processing, pet grooming, computer repair).
- D. Restrictions: Does not include big box retail (See "Big Box Retail Business"), the sale of used goods such as secondhand stores, used specialty goods store and pawn shops (see "Secondhand Sales"), retail sales or rentals of vehicles and equipment (see "Automobile Sales and Rental/Leasing" and "Heavy vehicle and large equipment, sales/rental, service, and repair" under "Vehicle and Equipment Facilities"), nor outdoor retail sales (see "Outdoor Retail Sales"), convenience stores, and liquor stores (see under "Food, Beverage Sales").

"Schools" means the following:

- A. "College, university" means public or private institutions of higher education providing curricula of a general, religious, or professional nature, typically granting recognized degrees or certificates, with associated facilities including conference centers and academic retreats associated with such institutions. This classification does not include business and computer schools, management training, technical and trade schools, and personal instructional services (See "Improvement or instructional" under "Personal Services" and "Trade school, vocational training" under "Schools.")

- B. "Elementary, middle, secondary" means a public or private academic educational institution offering instruction in courses of study required by the California Education Code and maintained in compliance with standards set by the State Board of Education, including elementary (kindergarten through sixth grade), middle and junior high schools (seventh and eighth grades), secondary and high schools (ninth through twelfth grades). Some of these schools also provide room and board.
- C. "Trade school, vocational training" means private institutions that provide education and/or training, including vocational training in limited subjects. Examples include:
  - 1. Business, secretarial, and vocational.
  - 2. Computers and electronics.
  - 3. Courses by mail or online.
  - 4. Seminaries/religious ministry training.
- D. Does not include preschools and child day care facilities (see "Child Day Care"), smaller-scale facilities offering specialized instruction in arts, ballet, dance, music, languages, and martial arts (see "Personal Services, Improvement or instructional"), or after-school tutoring to school-age children (See "Tutoring Facility").

"Secondhand Sales" AA.means an establishment that sells used or new and previously owned goods including jewelry, camera equipment, sound/viewing equipment and tools, often for the purpose of raising funds to benefit religious, educational, hospital or charitable purposes. Goods are generally obtained on consignment, in a trade, and often as a donation.

"Self-storage Facility, Mini-storage" means a facility that provides individual storage spaces or compartmentalized stalls or lockers for individual use and is characterized by low parking demand.

"Senior Housing" means a project consisting of residential dwelling units designed for senior citizens as defined in Section 51.3 of the California Civil Code.

"Senior Citizen Housing" means "Senior Housing."

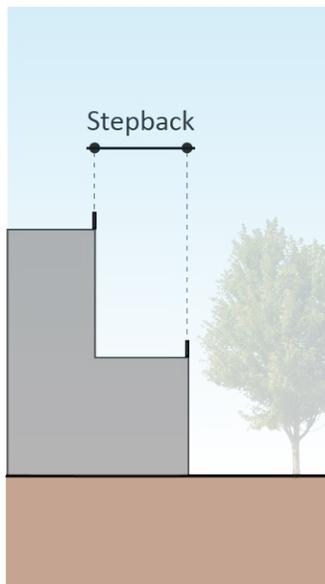
"Site" means the contiguous gross land area within the parcel or parcels on which housing development is located.

"Sports Recreation Facility" means a public or private facility that provides various outdoor recreational activities. Examples include:

- A. Archery and shooting ranges, outdoor.
- B. Basketball courts.
- C. Batting cages.
- D. Bocce ball courts.
- E. Equestrian facilities.
- F. Fitness training paths and facilities.
- G. Golf driving ranges.
- H. Lighted or amplified outdoor athletic fields or sport courts.

- I. Miniature golf courses.
- J. Skateboard parks.
- K. Swimming pools.
- L. Tennis courts.
- M. Waterslides.
- N. This classification includes park facilities that have one or more of the uses within this classification such as swimming pools or lighted sport courts, etc. May also include accessory commercial facilities customarily associated with the above including concessions, bars and restaurants, electronic games, etc.

“Stepback” is the minimum required distance an upper-story building face is set back from the building face of the ground floor, measured perpendicularly to the building face.



“Structure” means anything constructed or erected that has location on the ground, or is attached to something having location on or in the ground, except the following:

- A. Sidewalks and trails, and any appurtenances thereto such as benches;
- B. Pipes, meters, meter boxes, manholes;
- C. Mailboxes; and
- D. Poles, wires, pipes and other devices, and their appurtenant parts, for the transmission or transportation of electricity and gas for light, heat or power, or of telephone and telegraphic messages, or of water.

“Supportive Housing and Transitional Housing” means housing that is linked to an on-site or off-site service that assists residents in retaining the housing, improving their health status, and maximizing their ability to live and, when possible, work in the community.

“Temporary Use” means a use that occupies a site for a limited time, the length of which is determined and granted by the Town through a use permit.

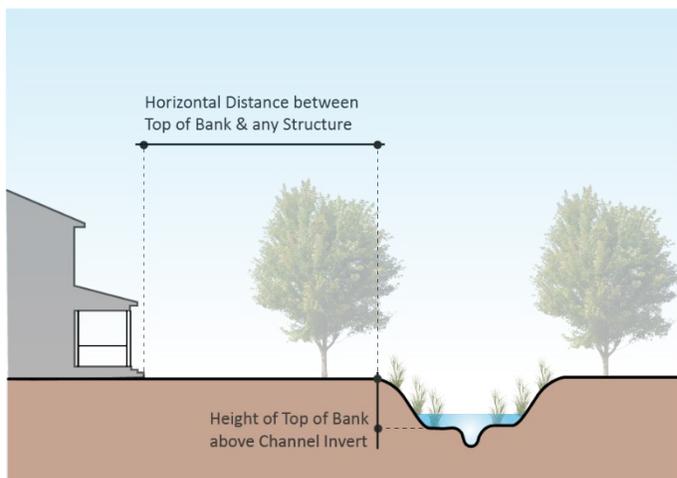
“Theater, Auditorium” means an indoor facility for public assembly and group entertainment, other than sporting events, including:

- A. Civic theaters, and facilities for “live” theater and concerts.
- B. Exhibition and convention halls.
- C. Motion picture theaters.
- D. Public and semi-public auditoriums.
- E. Does not include outdoor theaters, concert and similar entertainment facilities (see “Sports and Entertainment, Assembly”) and indoor and outdoor facilities for sporting events (see “Sports and Recreation Facility”).

"Tobacco Store" means any premises dedicated to the display, sale, distribution, delivery, offering, furnishing, consumption, or marketing of tobacco, tobacco products, or tobacco paraphernalia, including, without limitation, electronic cigarettes ("e-cigarettes") and/or liquid solutions containing nicotine used in such devices; provided, however, that any grocery store, supermarket, convenience store or similar retail use that only sells conventional cigars, cigarettes, e-cigarettes or tobacco as an ancillary sale shall not be defined as a "tobacco store" pursuant to this chapter.

"Top of Bank" means the point where the water surface plus sufficient freeboard for the design average recurrence interval runoff intersects the existing ground, or the point where a line with a slope of 2.5 horizontal to 1 vertical extending from the toe of the channel intersects the existing ground, whichever point is the greatest vertical distance above the channel invert. A separate top of bank shall be determined for each side of the channel. This definition is taken from Section 914-14.012(b) of the Contra Costa County Municipal Code.

“Tutoring Facility” means a facility offering academic after-school tutoring or lessons to school-aged children. This classification does not include schools (See “Schools”).



“Utility Facility, Transmission Towers” means a facility that provides a fixed base structure or facility serving as a junction point for transferring electric utility services from one transmission voltage to another or to local distribution and service voltages, and similar facilities for water supply and natural gas distribution. These uses include any of the following facilities that are not exempted from land use permit requirements by Government Code Section 53091:

- A. Co-generation facilities.
- B. Electrical substations and switching stations.
- C. Natural gas regulating and distribution facilities.
- D. Public water system wells, treatment plants and storage tanks.
- E. Telephone switching facilities.
- F. Wastewater treatment plants, settling ponds and disposal fields.
- G. This classification does not include offices or customer service centers. (See “Administrative, information processing” under “Offices.”)

“Workforce Housing” means housing intended for sale or rental with a unit purchase price or rental amount that is affordable to regionally-employed persons or students of moderate, low, very low, and extremely low income levels as established by the California Department of Housing and Community Development income limits.

“Vehicle and Equipment Facilities” means the following:

- A. “Heavy vehicle and large equipment, sales/rental, service, and repair” means an establishment that sells/rents and may provide service and repairs to construction, farm or other heavy equipment. This classification does not include autos, trucks and other passenger vehicles used for personal or business travel. (See “Automobile Sales and Rental/Leasing” and also “Automobile Services and Repair” for automobiles, motorcycles and other smaller passenger vehicles.)
  - 1. “Commercial vehicles and equipment” means a facility that sells/rents or services and makes repairs to construction, farm, or other heavy equipment, as well as vehicles for moving or towing property (such as cranes, earthmoving equipment, forklifts, tractors, heavy trucks, cargo trucks, vans, and trailers).
  - 2. “Recreational vehicles” means an establishment that sells, rents and/or leases motor homes, trailers, and boats, including incidental storage, installation of accessories and maintenance. This classification also includes facilities that service or repair recreational vehicles.
- B. “Towing services” means a facility that dispatches tow trucks and provides temporary storage of operative or inoperative vehicles. This classification does not include automobile wrecking or dismantling. (See “Automobile wrecking, dismantling yard.”)
- C. “Vehicle storage” means a facility for the storage of operative cars and other fleet vehicles, trucks, buses, recreational vehicles, and other motor vehicles. Includes facilities for the storage and/or servicing of fleet vehicles.

## **Chapter 8.24 – One, Two, and Three Dwelling Units per Acre Residential Districts**

### **8.24.040 - Uses permitted.**

- A. A detached single family dwelling on each lot and the accessory structures and uses normally auxiliary to it;
- B. Agriculture (Crop and tree farming with no on-site sales);
- C. Park and Recreational Facility if the planning commission makes a specific finding that the use is consistent with the general plan;
- D. Accessory Dwelling Units;
- E. Supportive housing and transitional housing of the same type allowed in this district;
- F. Animal Keeping in accordance with Chapter 8.92, Article 1;
- G. Home Occupations in conformance with Chapter 8.112; and
- H. Family Day Care Center.

### **8.24.050 - Conditional uses.**

In these districts, each of the following uses is permitted on issuance of a conditional use permit:

- A. Animal Keeping in accordance with Chapter 8.92, Article 2;
- B. Assembly or Meeting Facility;
- C. Religious Facility;
- D. Sports Recreational Facility (Private, intended for primary use by residents of the neighborhood or subdivision where it is located);
- E. A use which the planning commission, after notice and public hearing, has found to be comparable to any of the foregoing uses.

### **8.24.055 – Density.**

- A. One dwelling unit per acre residential.
  - 1. No more than one dwelling unit shall be constructed on any one acre, exclusive of streets, except as provided in subsection A(2) of this section.
  - 2. The density may be increased on any one acre by following the Planned Development District procedure outlined in Chapter 8.48 if the increased density provides housing opportunities to persons of limited means in compliance with all applicable state laws.
- B. Two dwelling units per acre residential.
  - 1. No more than two dwelling units shall be constructed on any one acre, exclusive of streets, except as provided in subsection B(2) of this section.
  - 2. The density may be increased on any one acre by following the Planned Development District procedure outlined in Chapter 8.48 if the increased density provides housing opportunities to persons of limited means in compliance with all applicable state laws.
- C. Three dwelling units per acre residential.
  - 1. No more than three dwelling units shall be constructed on any one acre, exclusive of streets, except as provided in subsection C(2) of this section.
  - 2. The density may be increased on any one acre by following the Planned Development District procedure outlined in Chapter 8.48 if the increased density provides housing opportunities to persons of limited means in compliance with all applicable state laws.

**8.24.060 – Minimum Lot Area and Yard Setback Regulations.**

- A. The minimum lot area and setbacks for principal structures in the one, two, and three dwelling units per acre residential land use districts are set forth in the following table and shall apply to the extent consistent with state law:

Standard	SFR 1 DU/acre	SFR 2 DU/acre	SFR 3 DU/acre
Minimum lot area	30,000 sq. feet	20,000 sq. feet	10,000 sq. feet
Minimum lot width	140 feet	120 feet	80 feet
Minimum lot depth	140 feet	120 feet	100 feet
Minimum front yard setback (B)	25 feet	25 feet	20 feet (C)
Exterior side yard setback (corner lots)	25 feet	20 feet	15 feet
Minimum side yard setback	20 feet	15 feet	10 feet
Sum of side yards	N/A	35 feet	20 feet
Minimum rear yard setback	25 feet	20 feet	15 feet
Maximum lot coverage	N/A	N/A	60 percent (D)

- B. The front yard setback for two or more lots fronting on a private street is governed by Section 8.68.110.
- C. The portion(s) of the building where the driveway is located shall be setback a sufficient distance to accommodate a minimum driveway length of 25 feet.
- D. The standard marked “D” shall apply only to developments within the Moraga Center Specific Plan area.

**Chapter 8.32 – Six Dwellings per Acre Multifamily Residential District (R-6)**

**8.32.020 – Permitted Uses.**

- A. Each of the following uses is a permitted use in this district:
  - 1. A detached single family dwelling on each lot and the accessory structures and uses normally auxiliary to it;
  - 2. One duplex residential structure on one lot;
  - 3. One Accessory Dwelling Unit on each lot approved under Chapter 8.124; and
  - 4. Supportive housing and transitional housing of the same type allowed in this district.

**8.32.030 – Conditional Uses.**

In this district, each of the following uses is permitted on the issuance of a conditional use permit:

- A. Residential structures with three or more units;
- B. Offices – Restricted to less than 5,000 square feet and to be located in an area transitional to a commercial or office district;
- C. Park and Recreational Facilities;
- D. Other uses found by the planning commission at a public hearing to be consistent with the purpose of the district and comparable to any of the foregoing uses.

**8.32.040 – Density.**

- A. A minimum of four dwelling units per acre, but no more than six dwelling units may be erected on any one acre, exclusive of streets, except as provided in subsection B of this section.
- B. The density may be increased on any one acre by following the Planned Development District procedure outlined in Chapter 8.48 if the increased density provides housing opportunities to persons of limited means in compliance with all applicable state laws.

**8.32.060 – Site Standards Outside the MCSP.**

- A. Minimum Site Standards.

Standard	
Minimum lot area:	10,000 square feet
Minimum lot frontage:	100 feet
Minimum front yard setback:	25 feet
Minimum side yard setback:	25 feet
Minimum side and rear yard setback:	20 feet, but not less than the height of the building.

- B. Increase in Side and Rear Yard Setback Requirements. The design review board upon review of the building permit application, and the planning commission upon review of the conditional use permit application may require an increase or permit a decrease in the minimum side yard or rear yard requirements, or both, upon finding that the adjustment is necessary to establish a proper site planning relationship to existing and proposed uses.
- C. Site Standards for Proposed Subdivision Parcels. The minimum site standards in subsection A of this section are minimum standards and are not intended to apply as a matter of right to a parcel which is proposed to be subdivided. The planning commission shall fix the minimum lot area, frontage, front yard setback and side and rear yard setback requirements for each parcel in this district which is created by the subdivision process after the date the ordinance codified in this chapter is adopted.

**8.32.065 – Site Standards Within the MCSP.**

The following standards shall apply to the extent consistent with state law for lots within the MCSP.

- A. Minimum Site Standards.

Standard	1 dwelling unit per lot	More than 1 dwelling unit per lot
Minimum lot area	10,000 square feet	10,000 square feet
Minimum lot frontage	80 feet	80 feet average
Minimum lot depth	100 feet	90 feet
Minimum front yard setback:	25 feet	20 feet (B) 15 feet (secondary frontage for corner lots)
Minimum side yard setback (C)	10 feet	10 feet 20 feet average (for 3-story structures)

Standard	1 dwelling unit per lot	More than 1 dwelling unit per lot
Minimum exterior side and rear yard setback (C)	15 feet	20 feet, but not less than the height of the building 15 feet
Minimum private open space	N/A	Greater than or equal to 5 percent of each dwelling unit floor area (minimum of 50 square feet and minimum dimension of 5 feet)
Minimum building separation		
2 stories	N/A	25 feet
3 stories	N/A	35 feet
Maximum lot coverage	60 percent	60 percent

- B. The portion(s) of the building where the driveway is located shall be setback a sufficient distance to accommodate a minimum driveway length of 25 feet.
- C. Increase in Side and Rear Yard Setback Requirements. The planning commission may require an increase or permit a decrease in the minimum side yard or rear yard requirements, or both, upon finding that the adjustment is necessary to establish a proper site planning relationship to existing and proposed uses.
- D. Site Standards for Proposed Subdivision Parcels. The minimum site standards in subsection A of this section are minimum standards and are not intended to apply as a matter of right to a parcel, which is proposed to be subdivided. The planning commission shall fix the minimum lot area, frontage, front yard setback and side and rear yard setback requirements for each parcel in this district which is created by the subdivision process after the date the ordinance codified in this chapter is adopted.

**8.32.070 – Development Standards.**

The following standards shall apply to developments within this district to the extent consistent with state law:

- A. Maximum Building Height. At no point shall the building height of a structure in this district exceed two stories or thirty-five (35) feet, whichever is less. However, for lots outside the MCSP, if upon design review, the reviewing authority finds that the building height proposed for the structure will create a significant adverse effect on neighboring properties or is incompatible with the natural terrain or vegetation, the reviewing authority may reduce the maximum building height permitted to a height which eliminates or mitigates the adverse effects of the building height proposed.
- B. The maximum height of developments fronting onto roads less than 36 feet in travel width shall be no higher than 30 feet to meet the requirements of the Moraga-Orinda Fire District Fire Code. The widths of parking lanes shall not count towards the minimum width.
- C. Landscaped Areas. All areas not covered by buildings and paved areas shall conform to a landscape plan approved by the reviewing authority.
- D. Building Design. The building design shall conform to the building design concept established for the area. If a design concept does not exist at the time an application for a building permit or a

conditional use permit, as the case may be, is filed, the applicant shall propose a design concept for the site and show how the design relates to neighboring properties.

- E. Recreational Facilities. As a condition of approval, the reviewing authority may require private recreational facilities consistent with the needs of those who may occupy the units proposed.
- F. Conceptual Site Plan Submittal. An application for a conditional use permit shall be accompanied by a plan containing conceptual planning, including the siting and elevation of buildings for the entire parcel.
- G. Specific Plan Submittal. As a condition to approving a conditional use permit, the planning commission may require the applicant to prepare and submit for commission approval a specific plan. The planning commission may impose this condition only when it finds that the design access, building location or circulation proposed cannot be adequately addressed on a parcel by parcel basis.
- H. Maximum Aggregate Building Height. On sloped lots where a structure is stepped down the slope, the maximum aggregate building height shall not exceed forty-five (45) feet. However, for lots outside the MCSP, if upon design review, the reviewing authority finds that the building height proposed for the structure will create a significant adverse effect on neighboring properties or is incompatible with the natural terrain or vegetation, the reviewing authority may reduce the maximum building height permitted to a height which eliminates or mitigates the adverse effects of the building height proposed.

## **Chapter 8.33 – Twelve Dwelling Unit per Acre Multifamily Residential District (R-12)**

### **8.33.010 – Purpose.**

The purpose of this district is to provide for medium density and medium intensity multifamily structures and selected service uses in developments which will conform with existing and future neighboring development and which are designed to be compatible with site constraints, such as topography, drainage and existing vegetation.

### **8.33.020 – Permitted Uses.**

- A. Residential dwelling units in accordance with the provisions of this chapter.

### **8.33.030 – Conditional Uses.**

Each of the following uses is permitted on the issuance of a conditional use permit in this district:

- A. Offices – Restricted to less than 5,000 square feet;
- B. Personal Service, General – Restricted to less than 5,000 square feet;
- C. Personal Services, Improvement or Instructional – Restricted to health/fitness facilities less than 5,000 square feet;
- D. Professional Service – Restricted to less than 5,000 square feet;
- E. Park and Recreational Facilities;
- F. Government Office – Restricted to less than 5,000 square feet;

- G. A use which the planning commission has found to be consistent with the purpose of the district and compatible with surrounding existing uses.

**8.33.040 – Density.**

- A. A minimum of ten attached or detached dwelling units, but not more than twelve dwelling units, may be constructed on any one acre, exclusive of streets, except as provided in subsection B of this section.
- B. The allowed density may be increased on any one acre by following the Planned Development District procedure outlined in Chapter 8.48 if the increased density provides housing opportunities to persons of limited means in compliance with all applicable state laws.

**8.33.050 – Development Standards.**

- A. Development Standards. These standards shall apply to the extent consistent with state law.

**R-12 DEVELOPMENT STANDARDS**

Standard	1 dwelling unit per lot	More than 1 dwelling unit per lot
Minimum lot area	10,000 square feet	10,000 square feet
Minimum lot width	80 feet	80 feet average
Minimum lot depth	100-feet	90 feet
Minimum front yard setback:	20 feet	20 feet (B) 15 feet for secondary frontage on corner lots
Minimum side yard setback:	10 feet	10 feet 20 feet average for 3-story structures
Minimum rear yard setback	15 feet	15 feet
Maximum building height	35 feet	35 feet (C)
Minimum private open space	N/A	Greater than or equal to 5 percent of each dwelling unit floor area, minimum of 50 square feet and minimum dimension of 5 feet
Minimum building separation		
2 stories	N/A	25 feet (D)
3 stories	N/A	35 feet (D)
Maximum lot coverage	60 percent	60 percent
Maximum stories	2 stories	3 stories

- B. The portion(s) of the building where the driveway is located shall be setback a sufficient distance to accommodate a minimum driveway length of 25 feet.
- C. The maximum height of developments fronting onto roads less than 36 feet in travel width shall be no higher than 30 feet to meet the requirements of the Moraga-Orinda Fire District Fire Code. The widths of parking lanes shall not count towards the minimum width.
- D. Where two different building heights are adjacent, the taller building controls separation.

## Chapter 8.34 – Twenty Dwelling Unit per Acre Residential District (R-20)

### 8.34.040 – Density.

- A. The minimum number of residential dwelling units allowed in this district is ~~twenty (20)~~ sixteen (16) per acre, except that projects subject to the discretionary review process shall have no minimum density.
- B. The maximum number of residential dwelling units allowed in this district is twenty (20) per acre plus any applicable density bonus to the extent consistent with state law, except as follows:
  1. Senior Housing shall have a maximum density of thirty (30) residential dwelling units per acre plus an additional three dependent senior residential units per acre.
  2. The number of dependent senior residential units per acre allowed under Section 8.34.040B(1) may be increased by a ratio of three dependent senior residential dwelling units for each reduction of one residential dwelling unit per acre below the thirty (30) permitted, up to a maximum of nine such dependent senior residential dwelling units per acre.

### 8.34.060 – Development Standards.

- A. All development shall meet or exceed the minimum requirements identified in the table below, to the extent consistent with state law:

#### MINIMUM DEVELOPMENT REQUIREMENTS

Development Standard	Minimum Requirement
Site Area	3 acres except that projects subject to Ministerial Review may be a minimum of 2 acres provided that at least 50 dwelling units are proposed for development
Number of Residential Dwelling Units	60
Square Feet Per Residential Dwelling Unit	300
Square Feet Per Dependent Senior Residential Dwelling Unit	100
Average Site Width	200 feet
Average Site Depth	200 feet
Site Building Setback	20 feet from all site boundaries to any architectural projection on a building
Creek Building Setback	As required by Moraga Municipal Code Section 8.200.110 (Creek and channel setbacks)
Pervious surface area (including natural or landscaped area)	30 percent of site area
Natural area or area landscaped area with living plants	20 percent of site area
Private outdoor area for each Residential Dwelling Unit	20 square feet attached or immediately adjacent to each Residential Dwelling Unit with a minimum dimension of 4 feet
Number of required parking spaces	1 space per studio or 1-bedroom Residential Dwelling Unit, 2 spaces per 2- or 3-bedroom Residential Dwelling Unit, 2.5 spaces per 4 or more bedroom Residential Dwelling Unit and 0.3 spaces per Dependent Senior Residential Dwelling Unit

**MINIMUM DEVELOPMENT REQUIREMENTS**

Development Standard	Minimum Requirement
Parking for Senior Citizen Housing (Example: A 150-unit senior citizen housing project could be served by: (a) 150 spaces; or (b) 113 spaces plus 1 permanent service vehicle; or (c) 75 spaces plus 2 permanent common service vehicles. A 50-unit senior citizen housing project could be served by: (a) 50 spaces; or (b) 38 spaces plus 1 permanent service vehicle; or (c) 25 spaces plus 2 permanent service vehicles.)	The minimum parking ratio provided for in Section 8.34.060(A)(12) above, shall be reduced by 25% for each passenger vehicle made available permanently for use by the residents of each 75 such units or fraction thereof, provided that not less than 0.5 space shall be provided for each Residential Dwelling Unit served
Parking space dimensions	As required by Moraga Municipal Code Section 8.76.050

- B. All development shall conform to the maximum limits identified in the table below, to the extent consistent with state law:

**MAXIMUM DEVELOPMENT STANDARDS**

Development Standard	Maximum Limit
Building Height	45 feet (C)
Lot Coverage by Buildings	65 percent of project site area
Lot Coverage by Impervious Surfaces (buildings, structures, and hard paving)	70 percent of project site area
Number of Stories	3 stories
Private outdoor area for each unit	100 square feet attached or immediately adjacent to each unit with a minimum dimension of 6 feet; provided however that any such private outdoor area visible within 500 feet of a Major Scenic Corridor as defined in Chapter 8.132 shall be screened by landscaping and/or an opaque fencing or railing
Slope of Planted Area	33 percent

- C. The maximum height of developments fronting onto roads less than 36 feet in travel width shall be no higher than 30 feet to meet the requirements of the Moraga-Orinda Fire District Fire Code. The widths of parking lanes shall not count towards the minimum width.

**Chapter 8.36 – Community Commercial District**

**8.36.020 - Permitted uses.**

- A. Each of the following uses is a permitted use in this district:
1. Animal Services (Grooming only);
  2. Banks and Financial Services;
  3. Cultural Institutions;
  4. Fitness Facility, Health Club;
  5. Food, Beverage Sales;
  6. Eating and Drinking Establishments (No Drive-in Service)
  7. Indoor Entertainment Facility (less than 5,000 square feet with no alcohol sales);

8. Medical (Medical Services Facility only);
9. Professional Services;
10. Licensed Massage Establishments;
11. Personal Services, General and Improvement/Instructional;
12. Retail Business (except Convenience Stores);
13. Schools (Trade School, Vocational Training only);
14. Tutoring Facility;
15. Other uses found by the planning commission at a public hearing to be consistent with the purpose of the district and comparable to any of the foregoing uses.

**8.36.030 - Conditional uses.**

In this district, each of the following uses is permitted on the issuance of a conditional use permit:

- A. Retail Business (Nursery, Garden Center);
- B. Eating and Drinking Establishment (with Outdoor Seating);
- C. Food, Beverage Sales (Convenience and Liquor Stores)
- D. Drive-In Service;
- E. Building Materials Sales and Services;
- F. Contractors, Special Trade;
- G. School (Trade School, Vocational Training);
- H. Child Day Care Center;
- I. Assembly or Meeting Facility;
- J. Banquet Hall;
- K. Indoor Entertainment Facility (greater than 5,000 square feet, sale of alcohol allowed);
- L. Live Entertainment Facility;
- M. Hotel;
- N. Animal Services (Hospital, Veterinary Clinic);
- O. Research and Development, or Laboratory;
- P. Adult (Sex-oriented) Business;
- Q. Personal Services, Other (Tattoo and Body Piercing Services, Pawn Shop);
- R. Secondhand Sales;
- S. Tobacco Store;
- T. Payday Lending Establishment;
- U. Automobile Services and Repair;
- V. Vehicle and Equipment Facilities (“Vehicle Storage”); and
- W. A use which the planning commission has found to be comparable at a public hearing to any of the foregoing uses.

**Chapter 8.37 – MCSP Commercial District (MCSP-C)**

**8.37.010 – Purpose.**

The purpose of this district is to provide for a commercial land use district within the Moraga Center Specific Plan (MCSP) area, as established in the Moraga Center Specific Plan.

**8.37.020 – Permitted Uses.**

Each of the following uses is a permitted use in this district:

- A. Office, Commercial, and Retail Uses:
  1. Adult Day Care Centers;

2. Antique, collectible stores;
  3. Banks and Financial Services;
  4. Building Materials Sales and Services;
  5. Business Support Services;
  6. Catering Services;
  7. Child Day Care Centers;
  8. Cultural Institutions;
  9. Eating and Drinking Establishments;
  10. Food, Beverage Sales
  11. Fitness Facility, Health Club;
  12. Hotels;
  13. Licensed Massage Establishments;
  14. Assembly and Meeting Facility – Restricted to less than 5,000 square feet;
  15. Offices;
  16. Outdoor Retail Sales and Activities;
  17. Personal Services, General;
  18. Personal Services, Improvement or Instructional;
  19. Professional Services;
  20. Religious Facilities;
  21. Retail Sales, except Convenient Stores which shall be a Conditional Use;
  22. Schools– Restricted to Trade Schools, Vocational Training;
  23. Theater, Auditorium;
- B. Business Park and Industrial Uses:
1. Media Production Facility; and
  2. Utility Facility
- C. Public/Quasi-Public and Recreational Uses:
1. Government Offices;
  2. Park and Recreational Facilities; and
- D. Other uses found by the planning commission at a public hearing to be consistent with the purpose of the district and comparable to any of the foregoing uses.

**8.37.030 – Conditional Uses.**

Each of the following uses is permitted on the issuance of a conditional use permit in this district:

- A. Animal Services (Hospital, Veterinary Clinic);
- B. Assembly or Meeting Facilities greater than 5,000 square feet;
- C. Automobile Services and Repair;
- D. Banquet Hall;
- E. Convenience Stores;
- F. Drive-In Service;
- G. Contractors, Special Trade;
- H. Personal Services, Other;

- I. Secondhand Sales;
- J. Temporary Uses;
- K. Transmission Towers; and
- L. A use which the planning commission has found to be comparable at a public hearing to any of the foregoing uses.

**8.37.040 – Development Standards.**

- A. Development standards.

**MCSP COMMERCIAL DEVELOPMENT STANDARDS**

Standard	
Minimum lot area	10,000 square feet
Minimum lot frontage	100 feet
Minimum lot depth	100 feet
Minimum front yard setback	None (B)
Exterior side yard setback	None (B)
Side yard setback	None (B)
Rear yard setback	None (B)
Maximum building height	35 feet (B)(C)
Maximum stories	2 stories
Maximum lot coverage	60 percent

- B. Proposed developments fronting onto a major scenic corridor as defined in Chapter 8.132 (Scenic Corridors) shall be subject to the setback requirements set forth in Section 8.200.050 (Moraga Center Design Requirements).
- C. The maximum height of developments fronting onto roads less than 36 feet in travel width, shall be no higher than 30 feet to meet the requirements of the Moraga-Orinda Fire District Fire Code. The widths of parking lanes shall not count towards the minimum width.
- D. Landscaped Areas. The lot shall contain landscaped areas designed in accordance with the state Model Water Efficiency Landscape Ordinance which shall be subject to approval by the reviewing authority.

**Chapter 8.40 – Limited Commercial District**

**8.40.020 – Permitted Uses.**

- B. Each of the following uses is a permitted use in this district:
  1. Animal Services (Grooming only);
  2. Banks and Financial Services;
  3. Cultural Institutions less than 5,000 square feet;
  4. Eating and Drinking Establishments (no outdoor seating nor Drive-In Service – establishments with outdoor seating shall be treated as a Conditional Use);
  5. Food, Beverage Sales (Grocery stores only);

6. Indoor Entertainment Facility (Less than 5,000 square feet and no serving of alcoholic beverages);
7. Indoor Sports Training Facility;
8. Licensed Massage Establishments;
9. Medical (Medical Services Facilities only);
10. Personal Services, General and Improvement/Instructional;
11. Professional Services;
12. Retail Business (General Retail and Specialty Retail only);
13. Tutoring Facility; and
14. Other uses found by the planning commission at a public hearing to be consistent with the purpose of the district and comparable to any of foregoing uses.

**8.40.030 – Conditional Uses.**

- A. Each of the following uses is permitted on the issuance of a conditional use permit in this district:
  1. Animal Services (Hospital, Veterinary Clinic);
  2. Automobile Services and Repair (Gas Stations with or without Car Wash);
  3. Child Day Care Centers (Nursery School, Preschool, Childcare);
  4. Food, Beverage Sales (Liquor Store);
  5. Eating and Drinking Establishments (with outdoor seating);
  6. Indoor Entertainment Facility (greater than 5,000 square feet and may serve alcoholic beverages);
  7. Retail Business (Convenience Stores);
  8. Personal Services, Other;
  9. Adult (Sex-oriented) Business;
  10. Firearm Store;
  11. Payday Lending Establishment;
  12. Secondhand Sales;
  13. Tobacco Store;
  14. Self-Storage Facility, Mini-Storage; and
  15. A use which the planning commission has found to be comparable at a public hearing to any of the foregoing uses.
- B. In addition to the conditional use permit requirements set forth in Section 8.12.120, the following guidelines shall be used in considering the appropriateness and acceptability of a proposed conditional use:
  1. The use shall be compatible in land use and traffic characteristics with other abutting uses;
  2. Any adverse characteristics of the proposed use shall be mitigated to the extent necessary to make the use compatible with neighboring uses;
  3. The use shall be located/conducted within a building or space enclosed by approved fencing, landscaping or other buildings;
  4. The use shall not generate noise levels measured in excess of fifty-five (55) dba during daytime hours, or fifty (50) dba during nighttime hours as measured inside of the nearest

- sensitive receptor (such as a dwelling unit, school classroom, church sanctuary or nursing home);
5. The use will not generate glare, electrical interference, odor, vibration, brilliant light, dust, smoke, fumes or have other characteristics that are otherwise offensive to the senses to the extent that there is interference with the development or enjoyment of other properties in the vicinity;
  6. The hours of operation will not foster conditions detrimental to the neighborhood or town.

## **Chapter 8.41 – MCSP Mixed Retail / Residential (12-20 Dwelling Unit per Acre) (MCSP MU-RR)**

### **8.41.010 – Purpose.**

The purpose of this district is to provide for commercial development, including community-serving recreational uses, combined with medium or high density residential at densities allowed in Section 8.41.040 of this chapter.

### **8.41.020 – Permitted Uses.**

Each of the following uses is permitted in this district:

- A. Residential uses at densities allowed in Section 8.41.040 of this chapter;
- B. Office, Commercial, and Retail Uses:
  1. Antique, collectible stores;
  2. Assembly or Meeting Facility – Restricted to less than 5,000 square feet, except meeting halls for clubs, lodges and other membership organizations which shall be a Conditional Use;
  3. Banks and Financial Services;
  4. Building Materials Sales and Services;
  5. Business Support Services;
  6. Cultural Institutions less than 5,000 square feet;
  7. Eating and Drinking Establishments;
  8. Food, Beverage Sales;
  9. Hotels;
  10. Licensed Massage Establishments;
  11. Offices;
  12. Outdoor Retail Sales and Activities;
  13. Personal Services, General;
  14. Personal Services, Improvement or Instructional;
  15. Professional Services;
  16. Retail Sales;
  17. Schools– Restricted to Trade Schools, Vocational Training;
  18. Theater, Auditorium;
- C. Business Park and Industrial Uses:

- 1. Media Production Facility;
- D. Public/Quasi-Public and Recreational Uses:
  - 1. Government Offices;
  - 2. Park and Recreational Facilities;
- E. Other uses found by the planning commission at a public hearing to be consistent with the purpose of the district and comparable to any of the foregoing uses.

**8.41.030 – Conditional Uses.**

Each of the following uses is permitted on the issuance of a conditional use permit in this district:

- A. Animal Services (Hospital, Veterinary Clinic);
- B. Assembly and Meeting Facilities greater than 5,000 square feet;
- C. Banquet Hall;
- D. Contractors, Special Trade;
- E. Meeting Halls for Clubs, Lodges, and Other Membership Organizations;
- F. Personal Services, Other;
- G. Secondhand Sales;
- H. Utility Facility, Transmission Towers; and
- I. A use which the planning commission finds at a public hearing to be comparable to any of the foregoing uses.

**8.41.040 – Residential Density.**

- A. A minimum of twelve (12) dwelling units but not more than twenty (20) dwelling units shall be erected on any one acre, exclusive of streets, except as provided in subsection B of this section. The allowed density may be increased on any one acre by following the Planned Development District procedure established in Chapter 8.48 if the increased density provides housing opportunities to persons of limited means in compliance with all applicable state laws.

**8.41.050 – Development Standards.**

- A. Development standards.

**MCSP MIXED RETAIL / RESIDENTIAL DEVELOPMENT STANDARDS**

Standard	
Minimum lot area	10,000 square feet
Minimum lot width	100 feet
Minimum lot depth	100 feet
Minimum front yard setback:	0 feet (B)
Minimum side yard setback:	0 feet (B)
Minimum rear yard setback:	0 feet (B)
Minimum lot area	10,000 square feet
Maximum building height (primary)	45 feet (C)
Maximum building height (accessory)	12 feet

**MCSP MIXED RETAIL / RESIDENTIAL DEVELOPMENT STANDARDS**

Standard	
Minimum private open space (applies only to residential uses of development)	Greater than or equal to 5 percent of each dwelling unit floor area (minimum of 50 square feet and minimum dimension of 5 feet)
Minimum building separation	
2 stories	25 feet (D)
3 stories	35 feet (D)
Maximum floor area ratio (applies only to non-residential uses of development)	0.85
Maximum stories	3 stories
Maximum lot coverage	60 percent

- B. Proposed developments fronting onto a major scenic corridor as defined in Chapter 8.132 (Scenic Corridors) shall be subject to the setback requirements set forth in Section 8.200.050 (Moraga Center Design Requirements).
- C. The maximum height of developments fronting onto roads less than 36 feet in travel width shall be no higher than 30 feet to meet the requirements of the Moraga-Orinda Fire District Fire Code. The widths of parking lanes shall not count towards the minimum width.
- D. Where two different building heights are adjacent, taller building controls separation.
- E. In order to encourage activity along the street and to enhance the pedestrian experience by creating indoor spaces where pedestrians will see or sense interior activity, all first floor areas facing School Street must have:
  - 1. A retail business use, eating/drinking establishment, specialty food shop, personal service (general or improvement/instructional), or professional service use; or
  - 2. Another use found by the planning commission to provide the sense of activity referenced in this standard.

**Chapter 8.42 – MCSP Mixed Office / Residential (12-20 Dwelling Unit per Acre) (MCSP MU-OR)**

**8.42.010 – Purpose.**

The purpose of this district is to provide for office development combined with high density residential at densities allowed in Section 8.42.040 of this chapter.

**8.42.020 – Permitted Uses.**

Each of the following uses is permitted in this district:

- A. Residential uses at densities allowed in Section 8.42.040 of this chapter;
- B. Congregate Care Facilities;
- C. Office, Commercial, and Retail Uses:
  - 1. Hotels;
  - 2. Offices;
  - 3. Medical (Medical Services Facility only);

- 4. Personal Services, General;
- 5. Personal Services, Improvement or Instructional;
- 6. Professional Services;
- 7. Religious Facilities;
- 8. Schools– Restricted to Trade Schools, Vocational Training;
- D. Public/Quasi-Public and Recreational Uses:
  - 1. Government Offices;
  - 2. Park and Recreational Facilities;
- E. Other uses found by the planning commission at a public hearing to be consistent with the purpose of the district and comparable to any of the foregoing uses.

**8.42.030 – Conditional Uses.**

Each of the following uses is permitted on the issuance of a conditional use permit in this district:

- A. Animal Services (Hospital, Veterinary Clinic);
- B. Assembly and Meeting Facilities;
- C. Child Day Care Centers;
- D. Personal Services, Improvement or Instructional;
- E. Research and Development, or Laboratory; and
- F. A use which the planning commission has found to be comparable at a public hearing to any of the foregoing uses.

**8.42.040 – Residential Density.**

- A. A minimum of twelve (12) dwelling units but not more than twenty (20) dwelling units may be erected on any one acre, exclusive of streets, except as provided in subsection B of this section.
- B. The allowed density may be increased on any one acre by following the Planned District Procedure in Chapter 8.48 if the increased density provides housing opportunities to persons of limited means in compliance with all applicable state laws.

**8.42.050 – Development Standards.**

- A. Development standards.

**MIXED OFFICE / RESIDENTIAL DEVELOPMENT STANDARDS**

Standard	
Minimum lot area	10,000 square feet
Minimum lot width	100 feet
Minimum lot depth	100 feet
Minimum front yard setback:	0 feet (B)
Minimum side yard setback:	0 feet (B)
Minimum rear yard setback	0 feet (B)
Minimum lot area	10,000 square feet
Maximum building height (primary)	45 feet (C)
Maximum building height (accessory)	12 feet

**MIXED OFFICE / RESIDENTIAL DEVELOPMENT STANDARDS**

<b>Standard</b>	
Minimum private open space (applies only to residential uses of development)	Greater than or equal to 5 percent of each dwelling unit floor area (minimum of 50 square feet and minimum dimension of 5 feet)
Minimum building separation	
2 stories	25 feet (D)
3 stories	35 feet (D)
Maximum floor area ratio (applies only to non-residential uses of development)	0.85
Maximum stories	3 stories
Maximum lot coverage	60 percent

- B. Proposed developments fronting onto a major scenic corridor as defined in Chapter 8.132 (Scenic Corridors) shall be subject to the setback requirements set forth in Section 8.200.050 (Moraga Center Design Requirements).
- C. The maximum height of developments fronting onto roads less than 36 feet in travel width shall be no higher than 30 feet to meet the requirements of the Moraga-Orinda Fire District Fire Code. The widths of parking lanes shall not count towards the minimum width.
- D. Where two different building heights are adjacent, taller building controls separation.

**Chapter 8.44 – Suburban Office District**

**8.44.020 – Permitted Uses.**

- A. Each of the following uses is a permitted use in this district if it is determined that the use meets the criteria set forth in subsection B of this section:
  - 1. Professional Services;
  - 2. Offices;
  - 3. Medical (Medical Services Facility only);
  - 4. Personal Services, General and Improvement/Instructional;
  - 5. Cultural Institution; and
  - 6. Other uses found by the planning commission to be consistent with the purpose of the district and compatible with surrounding existing uses.
- B. Before a use listed in subsection A of this section is permitted in this district, the planning commission must determine that:
  - 1. The use will not generate amounts of pedestrian and vehicular traffic that will foster the flow of traffic between the proposed use and uses across abutting streets;
  - 2. The use is compatible in land use and traffic characteristics and design with other uses directly affected by the proposed use;
  - 3. Any adverse characteristics of the use can be mitigated to the extent necessary to make the use compatible with neighboring uses;
  - 4. The use will be within a building or space enclosed by approved fencing, landscaping or other buildings;

- 5. The use will not generate noise levels at the property line in excess of fifty-five (55) dba during daytime hours, or fifty (50) dba during nighttime hours;
- 6. The use will not create an excessive public economic problem.
- C. If a use listed in subsection A of this section qualified as a categorical exemption under the town's CEQA guidelines, the planning director may, after giving notice to the planning commission, make the determination required by subsection B of this section without referral to the planning commission.
- D. After a permitted use is approved, a change from that use may not take place until the zoning administrator finds that a new permitted use as proposed is comparable in character and intensity to the approved use. The zoning administrator may refer the matter to the planning commission for the appropriate finding.

**8.44.030 – Conditional Uses.**

Each of the following uses is permitted on the issuance of a conditional use permit in this district:

- A. Animal Services (Hospital, Veterinary Clinic);
- B. Assembly or Meeting Facility;
- C. Child Day Care Center (Nursery, Preschool, Childcare);
- D. Fitness Facility, Health Club;
- E. Medical (Hospital, Medical Center);
- F. Media Production Facility;
- G. Religious Facilities (Major Religious Facilities included);
- H. Sports Recreation Facility (Indoor);
- I. Supportive or Transitional Home;
- J. Government Office;
- K. Public Maintenance and Service Facility; and
- L. A use which the planning commission, after notice and public hearing, has found to be comparable to any of the foregoing uses.

**Chapter 8.48 – Planned Development District**

**8.48.100 - Findings required to approve conceptual development plan.**

- A. General. To approve a conceptual development plan the planning commission must find that:
  - 1. The total development and each unit of development can exist as an independent unit, capable of creating an environment of sustained desirability and stability, or that adequate assurance will be provided that this objective will be attained and that the uses proposed will not be detrimental to present and potential surrounding uses;
  - 2. The streets and thoroughfares proposed are suitable and adequate to carry anticipated traffic, and increased densities will not generate traffic in such amounts as to overload the street network outside the development;
  - 3. Development other than single-family residential can be properly justified and is consistent with the general plan;

4. Any proposed exception from standard ordinance requirements is warranted by the design and amenities incorporated in the conceptual development plan, in accord with adopted policy of the planning commission and town council;
  5. The area surrounding the development can be planned and zoned in coordination and substantial compatibility with the proposed development;
  6. The development conforms with the general plan; and
  7. Existing or proposed utility services will be adequate for the population densities proposed.
- B. Hillside Projects. To approve a conceptual development plan for any development that meets the requirements of Section 8.136.020 (Applicability) in Chapter 8.136 (Hillside Development) of the Municipal Code, the reviewing authority shall make all of the findings in Municipal Code Section 8.136.050 (Findings for Approval) in addition to the findings in Section 8.48.100.A.
- C. Moraga Center Specific Plan Area Projects. To approve a conceptual development plan for any development that occurs within the Moraga Center Specific Plan area, the reviewing authority shall make the finding that the conceptual development plan meets all applicable requirements of the Moraga Center Specific Plan.

## **Chapter 8.50 – Planned Development-Commercial (PD-C)**

## **Chapter 8.52 – MOSO and Non-MOSO Open Space Districts**

### **8.52.030 – Permitted Uses.**

Agriculture.

### **8.52.040 – Conditional Uses.**

Each of the following uses is permitted on the issuance of a conditional use permit in this district:

- A. Single-family residential dwelling (including accessory buildings and structures);
- B. Park and Recreational Facility; and
- C. Schools.

## **Chapter 8.56 – Institutional District**

### **8.56.020 – Permitted Uses.**

- A. Agriculture;
- B. Emergency Shelters that are in conformance with the requirements of Chapter 8.164.

### **8.56.030 – Conditional Uses.**

Each of the following uses is permitted on the issuance of a conditional use permit in this district:

- A. Park and Recreational Facility;
- B. Religious Facility; and
- C. Schools (Private).

## **Chapter 8.60 – Study District**

### **8.60.020 – Permitted Uses.**

Agriculture.

### **8.60.030 – Conditional Uses.**

In this district, the uses other than “Agriculture” are permitted on the issuance of a conditional use permit.

## **Chapter 8.65 Moraga Ranch Overlay District**

### **8.65.010 – Purpose.**

The intent of the Moraga Ranch Overlay District is to preserve the traditional rural character of the existing Moraga Ranch site and buildings, while also allowing for reuse, improvement and additional activity within the District.

### **8.65.020 – Applicability.**

The standards and regulations of this chapter shall only apply to developments and activities occurring within the Moraga Ranch Overlay District area as shown in Figure 8.200-2 (MCSP Zoning Districts).

### **8.65.030 – Design Requirements.**

All development within this overlay district shall be reviewed by the planning commission to ensure that it complies with the following requirements:

- A. Existing buildings shall be retained to the extent feasible, unless the planning commission finds that removal of an existing building is necessary and would allow for maintenance of the overall character of the Moraga Ranch Overlay District.
- B. The design of new development shall consider the existing character of the Moraga Ranch and its existing buildings.
- C. New buildings shall be arranged and separated in a park-like and/or agricultural setting.

## **Chapter 8.76 Off-Street Parking and Loading**

### **8.76.080 - Shared parking.**

- A. When an application for a conditional use permit proposes to use a property that has already been approved for one or more other uses, the planning commission may authorize a reduction in the total number of parking spaces required, provided the uses have differing peak time parking needs and the number of parking spaces is adequate for the peak needs of the property.
- B. When an application for a permitted use proposes to use a property that has already been approved for one or more other uses, the planning director may, after giving notice to the planning commission, authorize a reduction in the total number of parking spaces required, provided the uses have differing peak time parking needs and the number of parking spaces is adequate for the peak needs of the property.
- C. For developments within the MCSP area, required parking for two or more use types shall be calculated using the following table. If there are two proposed uses, then the required parking for each use type shall be divided by the factor listed for those two uses in the table below. If there

are three or more uses, then the required parking for the each use type shall be divided by greatest factor listed for the co-occurrence of any two uses in the table below. If the use is not listed below, then the Planning Director shall designate which uses and factors listed on the table shall be used for calculation of shared parking reductions.

**SHARED PARKING FACTORS**

	Residential	Lodging	Office	Retail
Residential	1.0	1.1	1.4	1.2
Lodging	1.1	1.0	1.7	1.3
Office	1.4	1.7	1.0	1.2
Retail	1.2	1.3	1.2	1.0

**Chapter 8.200 Moraga Center Specific Plan Area Regulations**

**8.200.010 – Purpose.**

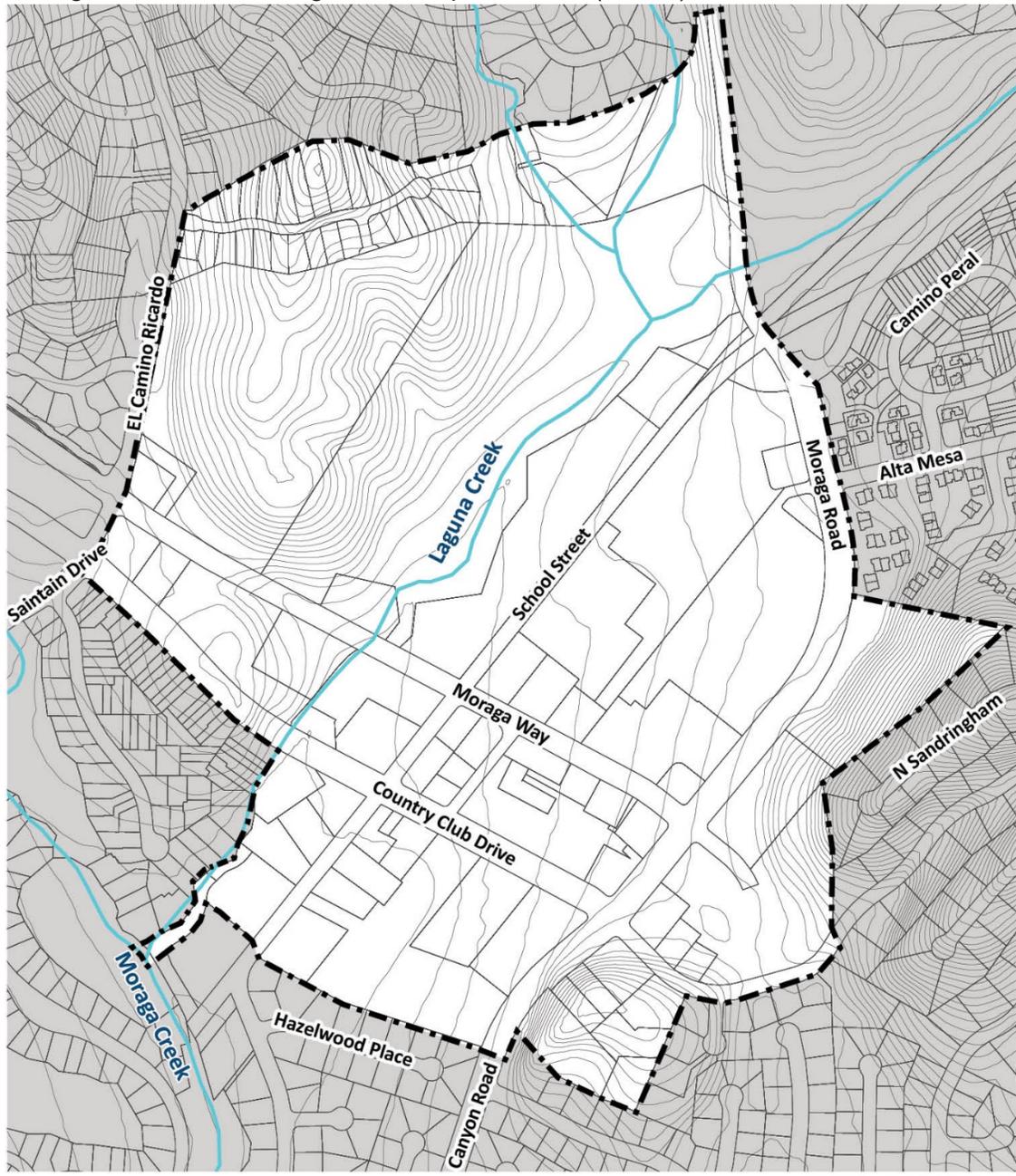
This chapter establishes regulations for development within the Moraga Center Specific Plan (MCSP) area in the town. The intent of these regulations is to implement the MCSP, as set forth here:

- A. Standards and criteria by which development within the MCSP area will proceed.
- B. Standards and criteria for development of the circulation and street network within the MSCP area.
- C. Establish development potential for retail, office, and hotel uses within the MCSP area.
- D. Required streets, trails, bridges, and other public infrastructure to be erected within the MCSP area.
- E. Standards for the conservation and protection of Laguna Creek and Moraga Creek, along with other natural resources and features, where applicable.
- F. Standards and criteria for creation of a Town Square focal point within the MCSP area.
- G. Standards and criteria for development of the MCSP area into an environment that accommodates multiple modes of travel; multiple types of residential uses, including multifamily and residential care facilities; and appropriate mixture of civic, public, office, retail, and other related uses.

**8.200.020 – Applicability.**

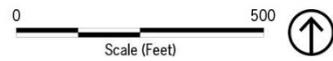
- A. The standards and regulations of this chapter shall only apply to developments and activities occurring within the MCSP area as shown in Figure 8.200-1 [Moraga Center Specific Plan (MCSP) Area].

Figure 8.200-1 – Moraga Center Specific Plan (MCSP) Area



--- MCSP BOUNDARY

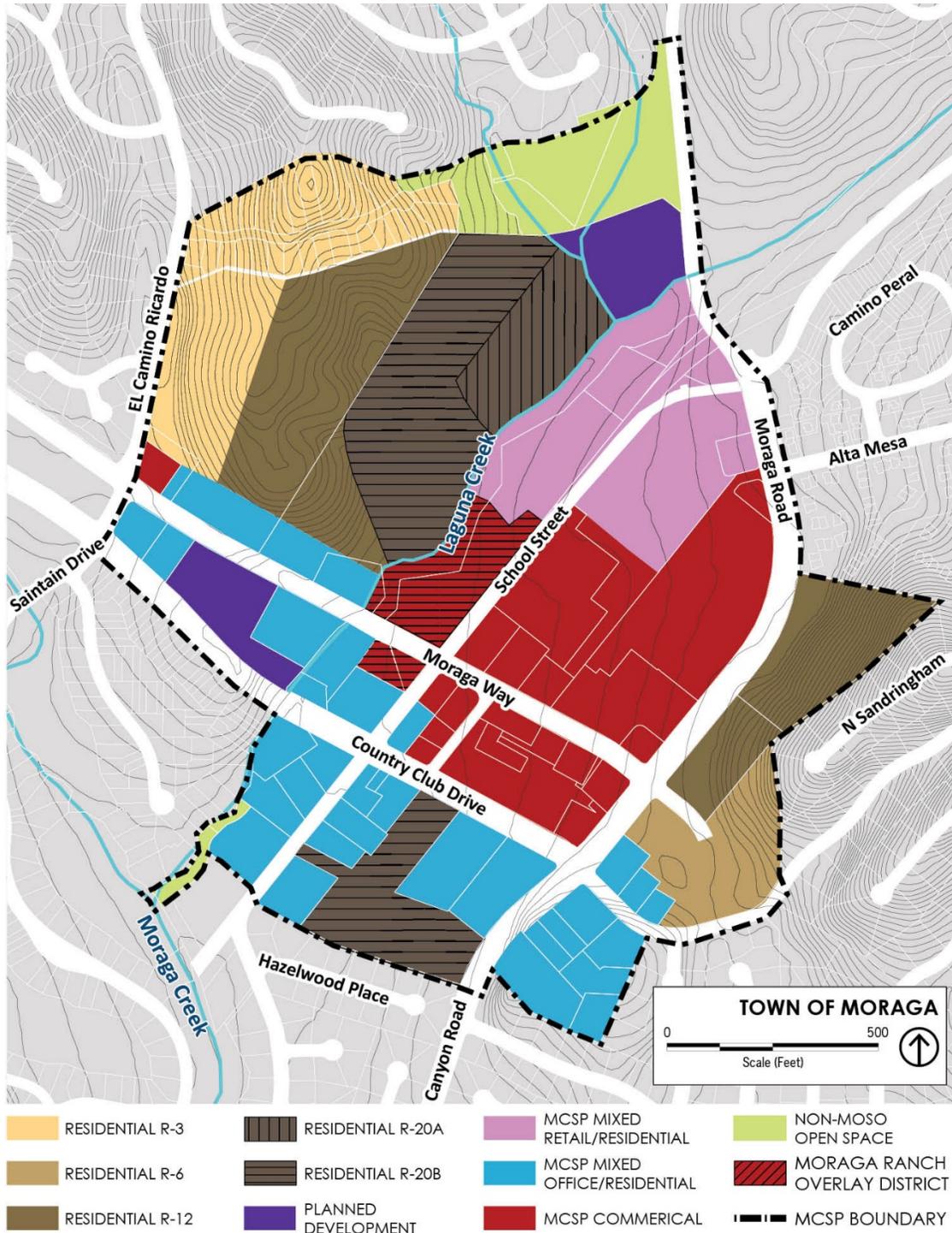
TOWN OF MORAGA



### 8.200.030 – MCSP Zoning Districts

Zoning districts shall be established in the MCSP Area as shown in Figure 8.200-2 (MCSP Zoning Districts).

Figure 8.200-2 – MCSP Zoning Districts



### 8.200.040 – Moraga Center Development Potential.

To the extent consistent with state law, the maximum development potential for the MCSP Area is established as follows, as set forth in Table 4-1 of the MCSP and subject to the land use equivalents in Table 4-2 of the MCSP:

MCSP DEVELOPMENT POTENTIAL	
Land Use Category	Quantified Development Objective
Retail (including restaurants and entertainment)	90,000 square feet
Office	50,000 square feet
Hotel	85 rooms
Assisted Living/Congregate Care	150 rooms
Housing	510 units (or 630 with state mandated density bonus)

### 8.200.050 – Moraga Center Design Requirements.

- A. All development in the Moraga Center Specific Plan area shall be required to comply with the following requirements to the extent consistent with state law:
1. All improvements shall comply with all applicable easements, codes and requirements in effect at the time the development application is deemed or determined complete, or such other time required by state law, including but not limited to access and utility easements, fire, building, and health and safety codes, and local, state and federal laws.
  2. No improvement shall be constructed or installed within an area of riparian vegetation that is protected by any state or federal agency.
  3. The lowest floor of all new structures, including basement areas, shall be located at an elevation that is at least two feet above the 100-year (one percent annual occurrence) base flood elevation in accordance with MMC Section 8.108.120(C)(1)(a).
  4. The required parking for each residential dwelling unit may be either tandem or non-tandem. Parking not associated with a particular residential dwelling unit shall be non-tandem.
  5. If a grading permit is required, it shall be in compliance with all provisions of Title 14 of the Moraga Municipal Code except Moraga Municipal Code Chapters 14.08, 14.12, and 14.16 and shall not be subject to discretionary review.
  6. All exterior lighting shall be directed downward or inward toward the property.
  7. All retaining walls, with the exception of building foundations, shall be no higher than five feet. If a fence is located within two feet of a retaining wall the combined retaining wall and fence height shall not exceed eight feet. There shall be no more than three new retaining walls running in the same direction located within fifty (50) feet of one another. The minimum distance between any two retaining walls is equal to the height of the wall and the area between the walls shall be planted.
  8. Any blank wall that is without windows and is more than thirty (30) feet long or three hundred fifty (350) square feet in area, whichever is less, shall have landscaping installed

and maintained along the wall which reaches a minimum height of four feet within three years.

9. All landscaping shall be irrigated with an automatic system and permanently maintained. A landscape maintenance bond shall be posted to secure the replacement of any necessary plant material by the developer for a period of one year.
10. Permanent trash and recycling equipment shall be located in enclosures on the property. The colors, materials and design of the trash and recycling enclosures shall match the building design.
11. The utilities for the project shall be located underground.
12. No grading shall result in a slope steeper than thirty-three (33) percent.
13. Development fronting along a major scenic corridor as defined in Chapter 8.132.020 shall have building setbacks from the scenic corridor that are landscaped and varied in order to avoid creation of a walled effect and that are a minimum of 40 feet deep, with an additional stepback for elements above the first floor of at least 8 feet.
16. All required parking shall be provided onsite or on streets immediately adjacent to the development.
14. All existing specimen trees shall be identified on the plans submitted with a project application. Plans shall include measures to protect all such trees identified on the plans for preservation, including but not limited to placement of temporary construction fencing around the drip line of such trees.
15. Sidewalks and pathways proposed to provide pedestrian access to adjacent neighborhoods and shopping centers shall be a minimum of six feet in width, with an additional width as may be required in 8.200.090.
16. External vents and mechanical equipment shall be screened from view from adjoining residential uses, public or common sidewalks and pathways, and plazas.
17. Permanent mechanical equipment such as a motor, compressor, pump or compactor which would be a source of structural vibration or structure-borne noise in excess of adopted town ordinance standards shall be shock mounted with inertia blocks or bases or vibration isolators.
18. All development must maintain any existing emergency vehicle, motor vehicle, bicycle or pedestrian access to adjoining properties.
19. In multi-family residential projects, a minimum of two hundred (200) cubic feet of enclosed weather-proof and lockable private storage space in addition to guest, linen, pantry and clothes closets customarily provided shall be provided for each unit other than a dependent senior residential dwelling unit.
20. In multi-family residential projects, a laundry area consisting of a place for an automatic washing machine and clothes dryer shall be provided in each unit unless common laundry facilities are provided.
21. Utility transformers that are outside the public right-of-way should have adequate access provided for proper maintenance. Any above ground installation must include adequate landscape screening so as not to be viewable from the scenic corridor or other prominent public view.

- 22. Benches and seat walls shall be incorporated by project designers, where appropriate, to provide seating areas along pedestrian promenades.
  - 23. Developments, with the exception of single family homes, shall provide bicycle parking areas with bicycle racks at a rate equal to five percent of required off-street vehicle parking spaces, with a minimum parking for at least two bicycles.
  - 24. Tree grates, bollards, and other street furniture shall be incorporated, where appropriate, to help articulate street edges and provide a pleasant separation between the automobile realm and the pedestrian realm.
  - 25. Accentuated paving, bollards, special crosswalk lighting, and other features shall be incorporated, where appropriate, to enhance pedestrian safety.
  - 26. Drought-tolerant and deer resistant plant materials, consistent with the town's design guidelines shall be incorporated as part of the overall landscape design.
- B. No exception to the above regulations in this section is allowed for any development project which is subject to the ministerial review process.

**8.200.060 – Town Square.**

- A. New development within the MCSP area described in this section shall include a “Town Square” designed and constructed following the design guidance contained in the Town of Moraga Design Guidelines. Construction of the Town Square shall be a condition of approval for new development or redevelopment that occurs after the date of adoption of this provision of the Development Code that cumulatively affects 50 percent or more of the MCSP Commercial and Mixed Retail / Residential districts bounded by Moraga Way, Moraga Road, and School Street combined with the area within the MCSP Commercial district south of Moraga Way.
- B. If the Town approves new development or redevelopment that cumulatively affects less than 50 percent of the areas described in Subsection A above, then the Town shall ensure through its review process that the portions of this area that are not yet subject to new development or redevelopment still have capacity to accommodate the required Town Square in a way that is consistent with the Design Guidelines.

**8.200.070 – Required Streets, Trails, and Bridge.**

- A. Development in the MCSP Area shall include construction of School and Bridge Streets, the Lafayette/Moraga Regional Trail, and a vehicular and pedestrian bridge over Laguna Creek, as shown conceptually in Figure 8.200-3 (Required Streets, Trails, and Bridges).
- B. A pedestrian/bicycle trail shall be allowed, but not required, along either side of the Laguna Creek bank.

**8.200.080 – Street Types and Design Standards.**

- A. School Street shall be constructed following the specifications in Section 8.200.090.C(1). Other streets constructed in the MCSP area shall be constructed following the specifications in Sections 8.200.090.C(2) through 8.200.090.C(10). Deviations from the standards in this section may be approved by the planning commission upon a finding that the proposed deviations are in keeping

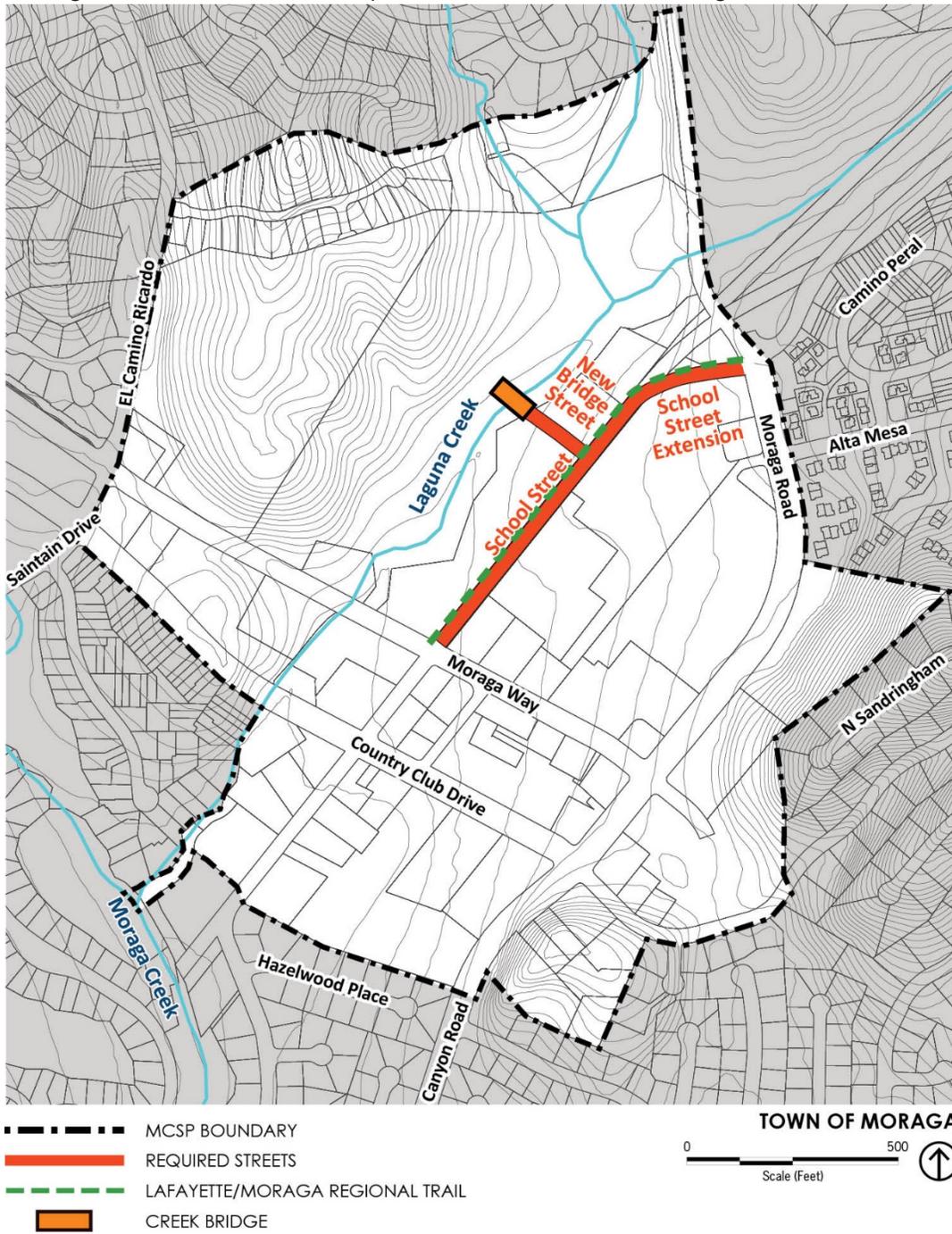
with the goals and objectives of the MCSP and will result in the same overall urban design quality as the street standards contained in this section.

- B. Streets providing access to development(s) with building heights greater than 30 feet shall be designed to be a minimum of 36 feet wide, not counting the widths of parking lanes, as established by the Moraga-Orinda Fire District Fire Code, provided the development does not already have an access road that is a minimum of 36 feet wide, not counting the widths of parking lanes.
- C. Allowed street types within each MCSP Zoning District are established below:

**STREET TYPES AND APPLICATION**

Street Type	R-3	R-6	R-12	R-20	MCSP-C	MCSP MU-RR	MCSP MU-OR	PD
Commercial Street with Diagonal Parking					X	X	X	
60-ft Right-of-Way Street			X	X	X	X	X	X
52-ft Right-of-Way Street	X	X	X					X
Pedestrian Mews (Hardscape and Green)			X	X	X	X	X	X

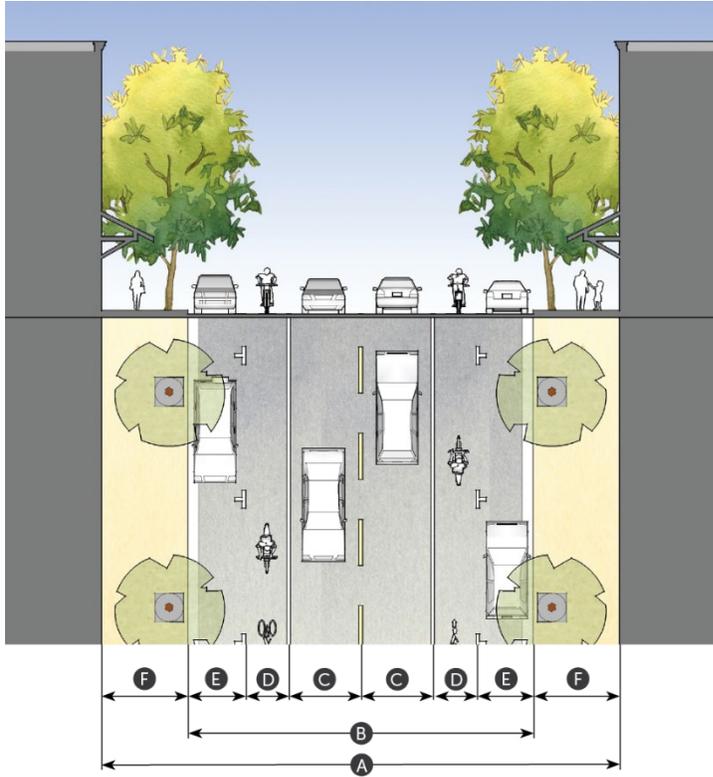
Figure 8.200-3 – MCSP Required Streets, Trails, and Bridge



D. Streets within the MCSP area shall be designed to the following standards:

1. School Street.

Figure 8.200-4 – School Street

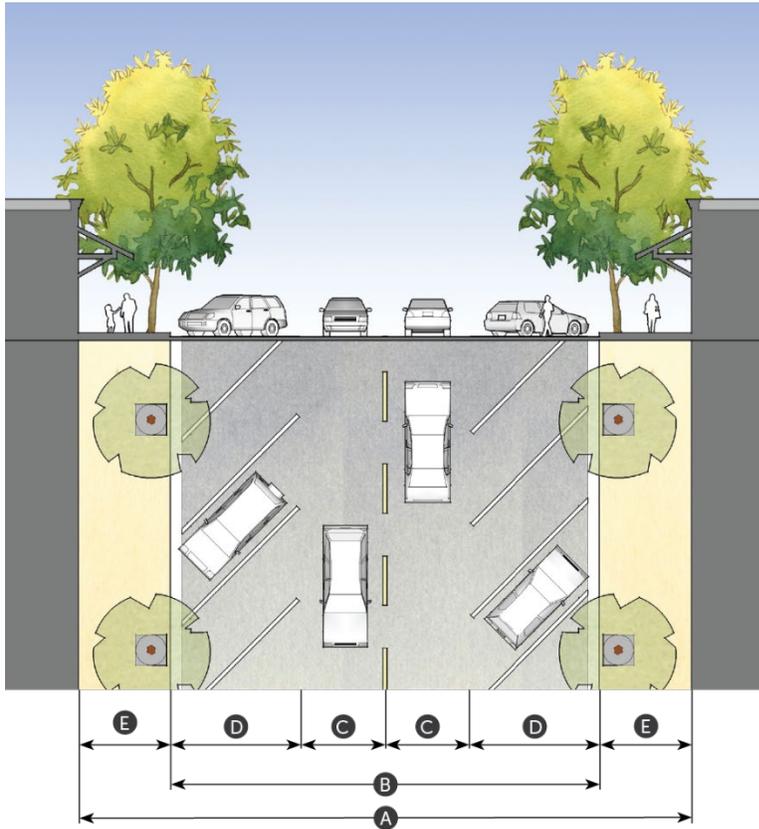


**SCHOOL STREET STANDARDS**

	Details	Figure Key
<b>A. Application</b>		
Design Speed	25 mph	
<b>B. Overall Widths</b>		
Right-of-Way (ROW) Width	72 feet	A
Pavement Width	48 feet	B
<b>C. Lane Assembly</b>		
Traffic Lanes	Two (2) at 10 feet each	C
Bicycle Lanes	Two (2) at 6 feet each	D
Parking Lanes	Two (2) at 8 feet each, marked	E
Medians	None	
<b>D. Public Frontage Assembly</b>		
Drainage Collection Type	Curb and gutter	
Planter Type	4-ft by 4-ft tree well	
Landscape Type	Trees at 30 feet on-center average	
Lighting Type	Post or column	
Walkway Type	12-ft sidewalk (includes tree wells)	F
Curb Type	Square	

## 2. Commercial Street with Diagonal Parking.

Figure 8.200-5 – Commercial Street with Diagonal Parking



### COMMERCIAL STREET WITH DIAGONAL PARKING STANDARDS

	Details	Figure Key
<b>A. Application</b>		
Design Speed	20 mph	
<b>B. Overall Widths</b>		
Right-of-Way (ROW) Width	80 feet	A
Pavement Width	56 feet	B
<b>C. Lane Assembly</b>		
Traffic Lanes	Two (2) at 12 feet each	C
Bicycle Lanes	None	
Parking Lanes	Two (2) at 16 feet each, diagonally marked at 45 degrees	D
Medians	None	
<b>D. Public Frontage Assembly</b>		
Drainage Collection Type	Curb and gutter	E
Planter Type	4-ft by 4-ft tree well	
Landscape Type	Trees at 30 feet on-center average	
Lighting Type	Post or column	
Walkway Type	12-ft sidewalk (includes tree wells)	
Curb Type	Square	

## 3. 60-ft Right-of-Way Street.

Figure 8.200-6 – 60-ft ROW Street



**60-FT RIGHT-OF-WAY STREET STANDARDS**

	Details	Figure Key
<b>A. Application</b>		
Design Speed	25 mph	
<b>B. Overall Widths</b>		
Right-of-Way (ROW) Width	60 feet	A
Pavement Width	48 feet	B
<b>C. Lane Assembly</b>		
Traffic Lanes	Two (2) at 10 feet each	C
Bicycle Lanes	None	
Parking Lanes	Two (2) at 8 feet each, marked	D
Medians	None	
<b>D. Public Frontage Assembly</b>		
Drainage Collection Type	Curb and gutter	
Planter Type	6-ft continuous planter	E
Landscape Type	Trees at 30 feet on-center average	
Lighting Type	Post or column	
Walkway Type	6-ft sidewalk	F
Curb Type	Square	

#### 4. 52-ft Right-of-Way Street

Figure 8.200-7 – 52-ft ROW Residential Street



#### 52-FT RIGHT-OF-WAY STREET STANDARDS

	Details	Figure Key
<b>A. Application</b>		
Design Speed	25 mph	
<b>B. Overall Widths</b>		
Right-of-Way (ROW) Width	52 feet	A
Pavement Width	28 feet	B
<b>C. Lane Assembly</b>		
Traffic Lanes	Two (2) at 10 feet each	C
Bicycle Lanes	None	
Parking Lanes	One (1) at 8 feet, marked	D
Medians	None	
<b>D. Public Frontage Assembly</b>		
Drainage Collection Type	Curb and gutter	
Planter Type	6-ft continuous planter	E
Landscape Type	Trees at 30 feet on-center average	
Lighting Type	Pipe or post	
Walkway Type	6-ft sidewalk	F
Curb Type	Square	

## 5. Pedestrian Mews (Hardscape)

Figure 8.200-8 – Pedestrian Mews (Hardscape)

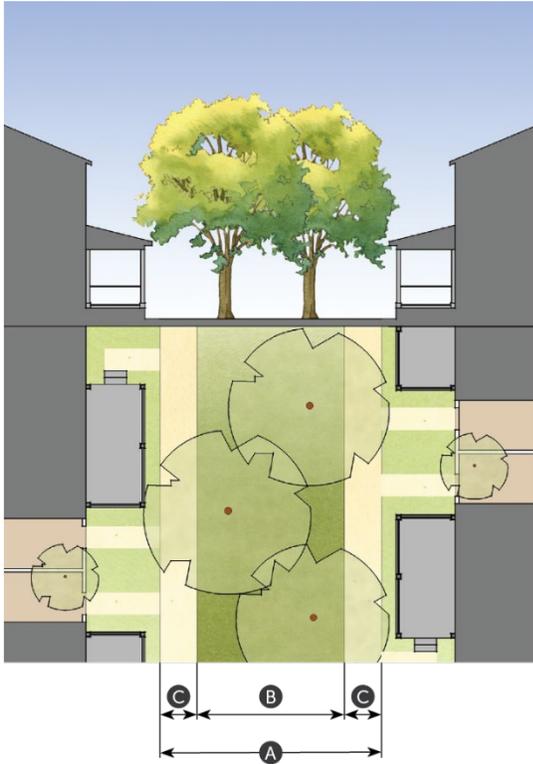


### PEDESTRIAN MEWS (HARDSCAPE) STANDARDS

	Details	Figure Key
<b>A. Application</b>		
Design Speed	N/A	
<b>B. Overall Widths</b>		
Right-of-Way (ROW) Width	20 feet minimum	A
<b>C. Public Frontage Assembly</b>		
Drainage Collection Type	Valley gutter or sheet flow	
Planter Type	4-ft by 4-ft tree well	
Lighting Type	Post or column	
Walkway Type	20-ft pavers	

## 6. Pedestrian Mews (Green)

Figure 8.200-9 – Pedestrian Mews (Green)



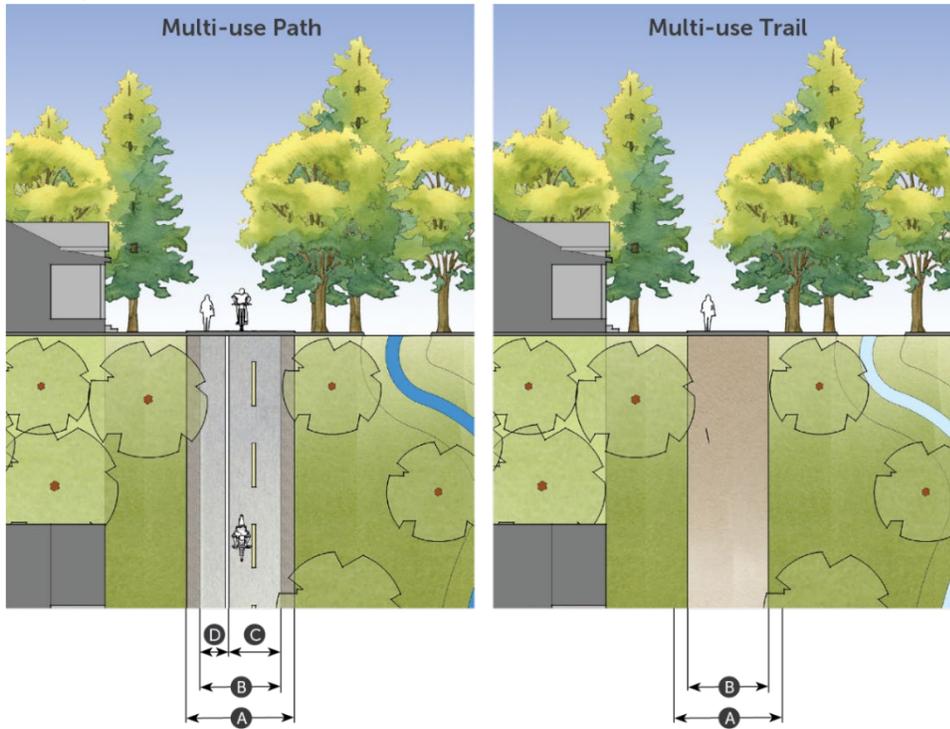
### PEDESTRIAN MEWS (GREEN) STANDARDS

	Details	Figure Key
<b>A. Application</b>		
Design Speed	N/A	
<b>B. Overall Widths</b>		
Right-of-Way (ROW) Width	30 feet minimum	A
<b>C. Public Frontage Assembly</b>		
Drainage Collection Type	Valley gutter or sheet flow	
Planter Type	18-ft minimum continuous planter	B
Lighting Type	Post or column	
Walkway Type	6-ft sidewalks along edges	C

### 8.200.090 – Trail Design Standards.

The Lafayette/Moraga Regional Trail, along with other trails within the MCSP area, shall be constructed in accordance with the design standards established in this section, unless a deviation is approved by the planning commission. Applicants may propose to construct either a “Multi-Use Path” or “Multi-Use Trail,” as defined below. The final decision on which of these two trail types to use, and regarding any deviations from these designs, shall rest with the planning commission.

Figure 8.200-10 – Multi-use Path & Multi-use Trail



#### MULTI-USE PATH/TRAIL STANDARDS

	Details	Figure Key
<b>A. Application</b>		
Right-of-Way (ROW) Width	16 feet	A
Pavement Width	12 feet	B
<b>B. Public Frontage Assembly</b>		
Drainage Collection Type	Sheet flow	
Planter Type	None	
Landscape Type	None	
Lighting Type	Post or column	
<b>C. Multi-Use Trail Assembly</b>		
Pedestrian Lanes	One (1) at 4 feet	D
Bicycle Lanes	Two (2) at 4 feet each	C
<b>D. Multi-Use Path Assembly</b>		
Shared Path	One (1) at 12 feet	

**8.200.100 – Standards Near Creeks and Channel Setbacks.**

- A. Structures adjacent to creeks and drainage channels within the MCSP area shall be set back from the top of bank by the horizontal distance indicated below, measured from the top of bank on each side of the watercourse:

CREEK AND CHANNEL SETBACKS

Height of top of bank above channel invert	Horizontal distance between top of bank and any structure
less than 20 feet	30 feet
20 feet - 29.99 feet	35 feet
30 feet - 39.99 feet	40 feet
40 feet - 49.99 feet	45 feet
50 feet and greater	50 feet

- B. Where existing riparian vegetation extends beyond the limits required, the setback line shall be extended to include such riparian vegetation.

# ATTACHMENT B

Resolution \_\_ - 2020 Design Guidelines  
Exhibit A Draft Moraga Design Guidelines

BEFORE THE PLANNING COMMISSION OF THE TOWN OF MORAGA

In the Matter of:

Recommendation the Town Council )  
Adopt a Resolution to Revise the Moraga )  
Design Guidelines to 1) Establish a New )  
Chapter 11 in the Town of Moraga )  
Design Guidelines to incorporate the )  
Moraga Center Specific Plan (MCSP) )  
Design Guidelines Adopted in 2010 as )  
Appendix B to the Moraga Center )  
Specific Plan; 2) Make Minor Updates to )  
the MCSP Design Guidelines Chapter )  
11, Sections 6.1 Lighting, 6.2 Signage, )  
and 6.3 Walls and Fencing; 3) Add )  
Chapter 11, Sections 8. Street Design )  
Standards, 9. Pedestrian and Bicycle- )  
Friendly Design, and 10. Town Square )  
Design Guidelines to the MCSP Design )  
Guidelines; and 4) Other Minor Non- )  
Substantive Changes )

Resolution No. \_\_\_ - 2020

**WHEREAS**, on June 4, 2002, the Town of Moraga Town Council adopted the Moraga 2002 General Plan (General Plan) via Resolution 21-2002 with subsequent amendments on January 27, 2010, June 22, 2011, September 2014, January 28, 2015 and April 11, 2018. The General Plan Action Plan includes E Design Guidelines which outline the goals of Design Guidelines, including the plan to review and update the Town Design Guidelines to implement the goals and policies of the General Plan, including its Community Design Element. Action Plan E Design Guidelines includes actions to address IP-E1 Scenic Corridor Design Guidelines, IP-E2 Residential Design Guidelines, IP E3 Multi-Family Residential Design Guidelines, IP-E4 Commercial Design Guidelines. The revised Town of Moraga Design Guidelines are in accordance with the goals and policies of the Moraga 2002 General Plan; and

**WHEREAS**, the adopted Moraga 2002 General Plan Action Plan ‘H’ Housing Specific Program IP-HI addresses Regional Housing Need and includes the goal to continue to zone sufficient sites to meet Moraga’s regional share of housing need; and

**WHEREAS**, on June 4, 2007, the Town of Moraga Planning Commission adopted Resolution 30-2007 PC to implement new Town of Moraga Design Guidelines in accordance with goals and policies of the Moraga 2002 General Plan; and

**WHEREAS**, on January 27, 2010, the Town of Moraga Town Council adopted Resolution No. 9-2010 amending the Design Guidelines to incorporate portions of the Moraga Transportation Corridor Streetscape Plan; and

**WHEREAS**, on January 27, 2010, the Town of Moraga Town Council also adopted Resolution No. 16-2010 making findings pursuant to California Environmental Quality Act (CEQA) and adopting the Moraga Center Specific Plan; and

**WHEREAS**, on April 11, 2018, the Town of Moraga Town Council adopted Resolution No. 23-2018 amending the Moraga Design Guidelines to add new design guidelines for Hillside Development and Revised Floor Area Ration (FAR) Guidelines for the Hillside and Ridgeline Project; and

**WHEREAS**, as part of the Moraga Center Specific Plan (MCSP) Implementation Project, the Moraga Center Specific Plan Design Guidelines adopted in 2010 as Appendix B to the Moraga Center Specific Plan, are being incorporated into the Moraga Design Guidelines as a new Chapter to make them more readily available with minor modifications and additions.

**NOW, THEREFORE, BE IT RESOLVED**, by the Planning Commission of the Town of Moraga that:

**SECTION 1.** Pursuant to California Environmental Quality Act (CEQA), the Town prepared an Environmental Impact Report (EIR) (SCH 200707212) to address the potentially significant adverse environmental impacts associated with the planning, construction, or operation of the Moraga Center Specific Plan (MCSP) and to identify appropriate and feasible mitigation measures and alternatives that may be adopted to significantly reduce or avoid the impacts identified in the EIR. The City certified the Final EIR for Moraga Center Specific Plan project on January 27, 2010. The proposed amendments to the design guidelines will not result in additional environmental effects not previously evaluated in the EIR. The amendments simply restructure the existing MCSP design guidelines by incorporating them in the Town’s general design guidelines and include minor additions and modifications.

Additionally, CEQA Guidelines section 15162 provides that “no subsequent EIR shall be prepared” for a project unless the lead agency determines that (1) “substantial changes are proposed in the project which will require major revisions of the previous EIR”; (2) “substantial changes occur with respect to the circumstances under which the project is undertaken”; or (3) “new information of substantial importance ... shows” one or more significant effects not discussed in the original EIR, greater severity to previously-identified substantial effects, or newly-found feasible mitigation measures that would substantially reduce significant effects. As there will not be any changes to the proposed project or to the previously-identified effects and mitigation measures, and there is no new information of substantial importance, no additional environmental review is necessary.

Further, it can be seen with certainty under CEQA Guidelines section 15061(b)(3) that there is no possibility the proposed amendments to the Moraga Design Guidelines may

have a significant effect on the environment. As noted above, the proposed amendments to the design guidelines restructure the existing guidelines and make minor additions and revisions.

**SECTION 2.** The Commission hereby finds as follows:

**a. The revised Moraga Design Guidelines amendments are consistent with the General Plan.**

The Town of Moraga Design Guidelines are being updated to incorporate the existing MCSP Design Guidelines adopted in 2010 as Appendix B of the MCSP with some limited additions regarding streets and other public spaces and minor non-substantive changes. The MCSP Design Guidelines steer the aesthetic nature of development within the MCSP adding design guidance to the development standards presented in the Land Use Element of the MCSP, which implements the General Plan within the MCSP area.

The MCSP Guidelines present design principles for each of the main MCSP land use categories: Scenic Corridor Residential, MCSP Commercial, and Mixed Commercial/Residential/Office, and Suburban Office along with guidelines for architectural site features such as street lighting, benches, signage, walls, fences and landscaping.

The MCSP Design Guidelines provide eight guiding principals derived from the Towns existing design philosophy that implements the General Plan and is found in the Town wide design guidelines:

- Maintain the Town's Semi-Rural Character (SRC)
- Protect Ridgelines and Hillside Areas (RH)
- Complement Existing Landscaping (L)
- Enhance the Town's Scenic Corridors (SC)
- Minimize the Impacts of Development (ID)
- Thoughtfully Design Single Family Residential Neighborhoods (SFR)
- Thoughtfully Design Multi-Family Residential Developments (MFR)
- Promote Commercial Centers as Community Places (CC)

These categories have been refined within the MCSP Design Guidelines to specifically address MCSP land uses to implement the MCSP vision. The MCSP guidelines remain largely the same as their adoption in 2010 with minor updates for clarification in the signage and walls and fencing section and updating of lighting guidelines to address new technologies that were not common in 2010. The MCSP Design Guidelines include several new categories: Street Design Standards, Pedestrian and Bicycle Friendly Design and Town Square Design Guidelines to further guide the development within public rights-of-way and public spaces.

**b. The revised Moraga Design Guidelines amendments are consistent with the Municipal Code.**

The scope and purpose of the revised Moraga Design Guidelines are to implement the MCSP in conjunction with updated and new chapters of the Municipal Code for the MCSP area consistent with the MCSP adopted in 2010. The amended Municipal Code provides the development standards within the MCSP area for the Residential, MCSP Mixed Office/Residential, MCSP Mixed Retail/Residential, Planned Development, MCSP Commercial, and Non-MOSO Open Space Zoning Districts and the Moraga Ranch Overlay District. The Moraga Design Guidelines establish a range of encouraged design approaches while allowing for flexibility and innovation within the framework of the municipal code. The Moraga Design Guidelines will assist the Town in evaluating conformance with the objectives and design vision of the MCSP and provide the Town of Moraga with the guidance to ensure that the MCSP area will develop with a high quality and lasting character; to guide developers in determining what is appropriate in character and quality for the Town of Moraga; and to assist the Town in evaluating proposals for development consist with the MCSP vision and development standards of the Municipal Code.

**SECTION 3.** The Planning Commission hereby recommends the Town Council add Chapter 11, Moraga Center Specific Plan Design Guidelines, to the Moraga Design Guidelines and make other minor non-substantive changes to the Moraga Design Guidelines as shown in Exhibit 1.

**PASSED AND ADOPTED** by the Planning Commission of the Town of Moraga at a regular meeting held on August 17, 2020 by the following vote:

**AYES:**  
**NOES:**  
**ABSTAIN:**  
**ABSENT:**

\_\_\_\_\_  
David Stromberg, Chair

Attest:

\_\_\_\_\_  
Afshan Hamid, Planning Director



# **Town of Moraga**

# **Design**

# **Guidelines**

**Revised July 2020**

Adopted by the Moraga Planning Commission in June 2007  
Amended by the Moraga Town Council on January 27, 2010 and April 11, 2018

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# DESIGN PHILOSOPHY

## PURPOSE AND ORGANIZATION OF THE DESIGN GUIDELINES

The design philosophy of the Town of Moraga Design Guidelines is drawn directly from the Town of Moraga General Plan Community Design element. General Plan community design policies are indicated below as *GP CD #* and serve as the foundation of the Town of Moraga Design Guidelines. These Guidelines have been developed to further the implementation of Title 8, 13, and 14 of the Moraga Municipal Code. They are used by staff, the Design Review Board, Planning Commission, and Town Council in the evaluation of proposed projects which require a building or grading permit. If followed closely by applicants when developing plans for approval by the Town, the opportunity for review at the staff level is possible (see Procedural Considerations).

The Design Philosophy of the Town of Moraga General Plan calls for the Town to: maintain the Town's semi-rural character; protect ridgelines and hillside areas; complement existing landscaping; enhance the Town's scenic corridors; minimize the impacts of development; thoughtfully design single-family residential neighborhoods; thoughtfully design new multi-family residential developments; and promote commercial centers as community places.

### **Maintain the Town's semi-rural character (SRC)**

- 1.) Protect important elements of the natural setting to maintain the Town's semi-rural character. Give particular attention to viewsheds along the Town's scenic corridors, protecting ridgelines, hillside areas, mature native tree groupings, and other significant natural features. (GP CD1.3) See Guidelines SRC1, SRC5, and RH4.
- 2.) Protect the scenic and environmental qualities of canyon and valley areas to retain the Town's semi-rural character. Preserve both close-up and distant views of the natural hillside landscape from valley areas, and preserve significant linear open spaces in major canyons and grassland valleys with floodplain zones as the visual focus. (GP CD1.4) See Guideline SRC8.

### **Protect ridgelines and hillside areas (RH)**

- 1.) Ridgelines and Hillside Areas. Protect ridgelines from development. In hillside areas, require new developments to conform to the site's natural setting, retaining the character of existing landforms preserving significant native vegetation and with respect to ridgelines, encourage location of building sites so that visual impacts are minimized. When grading land with an average slope 20% or more, require "natural contour" grading to minimize soil displacement and use of retaining walls. Design buildings and other improvements in accordance with the natural setting, maintaining a low profile and providing dense native landscaping to blend hillside structures with the natural setting.(GP CD1.5) See Guideline RH1 through RH10 and ID10.3, ID10.4, ID10.6, ID11.1, ID13.3, SFR2.12, SFR2.13, SFR2.14, SRC7, L1, L2, and L3.

## **Complement existing landscaping (L)**

- 1.) Emphasize and complement existing mature tree groupings by planting additional trees of similar species at Town entries, along major street corridors, in and around commercial centers, in areas of new development, and along drainage ways. (GP CD1.6) See Guidelines SC1.9, L3.8, and CC1.7e.
- 2.) Encourage the use of native, fire-resistive, and drought-tolerant species. (GP CD1.6) See Guidelines L2.5, L3.16 and SC1.11 and Appendix B.

## **Enhance the Town's Scenic Corridors (SC)**

- 1.) Improve the visual character along Scenic Corridors with lighting, landscaping, and signage. (GP CD3.2) See Guidelines SC1.1 and SC1.10.
- 2.) Use additional street tree planting, berms, fencing and ornamental landscaping to enhance the visual continuity along the Town's Scenic Corridors. (GP CD3.5) See Guidelines SC1.1.
- 3.) Require appropriate landscaping for both public and private developments located on designated Scenic Corridors, including pedestrian lighting and street trees within existing commercial areas. (GP CD3.5) See Guideline SC1.7 and CC1.7e.
- 4.) Encourage use of native and drought-tolerant species and, where applicable, preservation of orchard trees. (GP CD3.5) See Guidelines L2.5, L3.16 and SC11.
- 5.) Convert all overhead wiring in scenic corridor areas to underground as soon as possible. (GP CD3.7) See Guideline SC13.

## **Minimize the impacts of development (ID)**

- 1.) Concentrate new development in areas that are least sensitive in terms of environmental and visual resources, including areas of flat or gently sloping topography outside of flood plain or natural drainage areas. (GP CD1.1) See Guidelines ID1 and ID11.1.
- 2.) Retain natural topographic features and scenic qualities through sensitive site planning, architectural design, and landscaping. Design buildings and other improvements to retain a low visual profile and provide dense landscaping to blend structures with the natural setting. (GP CD1.2) See Guidelines ID7, L2, and L3.
- 3.) Whenever and wherever possible, convert overhead utility lines to underground and require underground utilities in areas of new development. (GP CD1.8) See Guidelines SC1.11 and ID13.8.

## **Thoughtfully design single-family residential neighborhoods (SFR)**

- 1.) Review by staff or Design Review Board to ensure that new residential development in existing neighborhoods reflect the size, scale, height, setbacks, and character of existing development. While new homes, home additions, and remodels should be allowed, they should not create adverse impacts on adjacent properties or detract from overall neighborhood character. All projects should be subject to discretionary review by staff. (GP CD4.3) See Guidelines SFR1.1-1.6 and SFR2.1-2.6.
- 2.) Design new single-family developments to create high quality pedestrian environments with pathways to adjacent neighborhoods and, where feasible, commercial areas. Ensure that the layout of new residential lots respects the site topography and natural features. Where feasible, avoid standard repetitive lot sizes and shapes in hillside areas. (GP CD4.4) See Guidelines SFR1.6.

## **Thoughtfully design new multi-family residential developments (MFR)**

- 1.) Locate new multi-family developments in close proximity to commercial centers, transit stops, and community facilities such as parks and schools, with site design and landscaping to create buffers between adjacent uses while providing connection to pedestrian and bicycle paths. (GP CD5.1) See Guideline MFR1.7.
- 2.) Ensure that new multi-family developments are planned, designed and constructed to enhance the local area, reflecting the scale and quality of their surroundings. Encourage designs that help to break up large building masses, for example by breaking one large building into several smaller buildings; providing variations in rooflines; creating a three-dimensional façade rather than a massive, flat façade; and using landscaping to soften building edges. Architectural styles and materials should reflect the character of existing residential neighborhoods, with landscaping to enhance the natural setting. (GP CD5.2) See Guidelines L3, MFR2.6, and MFR2.7.
- 3.) Require usable private and common open space in all new multi-family residential development. (GP CD5.3) See Guideline MFR1.8.
- 4.) Design new multi-family developments to create high quality pedestrian environments, with connections to the Town's pedestrian path and trail system. (GP CD5.4) See Guideline ID 13.7.

## **Promote commercial centers as community places (CC)**

- 1.) Improve the design quality of the Town's commercial centers, creating an attractive and inviting environment for shopping and socializing and enhancing their function as community focal points. Enhancements might include more landscaping; configuration of parking areas to incorporate more landscaping and create better pedestrian connections and entrances; architectural improvements to create visual focal points; creation of pedestrian walkways, plazas and seating areas; and signage improvements. (GP CD6.1) See Guidelines CC1.6-1.7.
- 2.) Ensure adequate traffic access, circulation and parking in the Town's commercial centers. Reduce potential safety hazards by minimizing the number of driveway openings onto public streets, encouraging side street access to commercial developments, and encouraging connections between developments. (GP CD6.2) See Guideline SRC3.
- 3.) Create a safe, inviting and functional pedestrian environment in commercial areas, with interconnected walkways; pedestrian amenities (e.g., seating, lighting, signage, landscaping); plaza

areas; and outdoor café spaces. Where pedestrian paths cross parking areas or vehicle lanes, give clear priority to pedestrians through pavement markings, differentiation in the pavement surface, and signage. (GP CD6.3) See Guideline CC1.7.

- 4.) Consider the use of flexible setbacks (for example, with new buildings at or near the public sidewalk and parking located to the side or rear) to achieve pedestrian-oriented design goals. (GP CD2.3) See Guideline CC2.6.
- 5.) Encourage high quality office development projects in close proximity to the Town's retail centers, with pedestrian connections between them. Encourage office building designs that respect the visual dominance of the landscape, reflect the scale and character of adjacent neighborhoods, and create buffers between residential neighborhoods and arterial roadways. (GP CD6.4) See Guideline CC1.1 and CC1.7.

## 2 PROCEDURAL CONSIDERATIONS

### DESIGN GUIDELINE IMPLEMENTATION

While there is no formula for good design, the Town of Moraga Design Guidelines are indicators of the type of design that the Town is likely to approve. The Town recognizes that each project represents a unique combination of design elements and natural features. Applicants and/or their representatives shall consider the Design Guidelines when developing a project proposal. Compliance with these Guidelines does not, however, guarantee approval. Similarly, needing to request an exception to the Guidelines does not mean that the application will be disapproved. Procedurally, compliance with the Design Guidelines enables a project to be considered at the staff level (Administrative Design Review, or ADR) unless the type or scale of the project requires Design Review Board (DRB) approval, such as applications for development in a scenic corridor<sup>1</sup>, hillside<sup>2</sup> development, new residential construction, and appeals from certain staff decisions. The definitions in Appendix D to the Town of Moraga's General Plan are expressly incorporated herein and shall be used to interpret and implement these Design Guidelines,

Exceptions to the Design Guidelines may be approved by the Design Review Board if the overall finding for design approval can be made. In single-family residential districts the DRB must find that:

- 1.) *The proposed improvements conforms with good design as set forth in the Town of Moraga Design Guidelines, and in general contributes to the character and image of the Town as a place of beauty, spaciousness, balance, taste, fitness, broad vistas, and high quality.*
- 2.) *The proposed improvement will not have a substantial adverse affect on neighboring properties or the community due to poor planning; neglect of proper design standards, or the existence of building and structures unsuitable to and incompatible with the character of the neighborhood.*
- 3.) *The proposed improvement will not lower property values; discourage the maintenance and improvement of surrounding properties; or preclude the most appropriate development of other properties in the vicinity.*
- 4.) *The proposed improvement will not impair the public health, safety, or welfare.*

The finding above that requires the Town to determine that the proposed improvements conform with good design as set forth in the Town of Moraga Design Guidelines means that, generally speaking, the project is in compliance with the Guidelines but exceptions from certain guidelines may be necessary in order to achieve overall acceptable design. This is in recognition of the fact that Design Guidelines can be in competition with one another, as there are often competing design considerations, such as water conservation, fire safety, and stormwater management.

In approving an application for design review, the DRB may impose conditions of approval. Such conditions would be required in order to mitigate any negative effects that the development may have on the site, the neighborhood, or the community as a whole. Special conditions may also be attached when the DRB is so directed by the Planning Commission (PC) or Town Council (TC), or when the DRB determines that such conditions are needed in order to implement policies adopted by the Commission or Council. Higher standards than the ones contained in these guidelines may be set by the Planning Commission for a particular development project, and such standards would then be implemented by the Design Review Board in place of the comparable guidelines.

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<sup>1</sup> The major scenic corridors designated in the General Plan include: Bollinger Canyon Road, Camino Pablo, Canyon Road, Donald Drive (along the ridgeline of Mulholland Hill), Moraga Road, Moraga Way, Rheem Boulevard, and St. Mary's Road.

<sup>2</sup> A hillside is defined as any slope greater than 20%.

## **DESIGN REVIEW PROCESS**

Prior to processing an application for design review, the application must be determined complete by the Town. The Town may, at its discretion, require that a portion of the required submittal be sent to a specialist for review, at the applicant's expense, prior to a determination of completeness.

All applications are subject to the applicable provisions of the Moraga General Plan and Municipal and State Codes, in addition to these Design Guidelines.

There are two levels of design review in Moraga. Additions to existing residences that conform to the Design Guidelines and are not proposed on a hillside or within a scenic corridor are eligible for review at the staff level (Administrative Design Review or ADR) with notice to neighbors but without a public hearing.

Design Review Board or DRB approval is required for all new residences and all additions to existing residences that require an exception to the Design Guidelines or are proposed within a scenic corridor or on a hillside. In addition, the DRB considers certain appeals from staff decisions. Appeals from DRB decisions and certain staff decisions are considered by the Planning Commission (PC). Similarly, the Town Council (TC) considers appeals from PC decisions and applications for grading on pre-development average slopes greater than 25%.

## **DESIGN GUIDELINES FOR HILLSIDES AND RIDGELINES**

On April 11, 2018, the Town Council adopted Design Guideline amendments as part of the Hillsides and Ridgelines project. These amendments clarify the Town's design preferences to support new development that maintains Moraga's unique semi-rural feel and scenic natural setting. Specific amendments to the Design Guidelines adopted as part of the Hillsides and Ridgelines project are as follows ("Hillsides and Ridgelines Amendment"):

- New design guidelines for hillside development in Section 4 (Protect Ridgelines and Hillside Areas).
- Revised design guidelines for development within 500 feet of a scenic corridor in Section 6 (Enhance Town's Scenic Corridors)
- New maximum floor area ratio guidelines for lots greater than 20,000 square feet in Appendix B.

The following types of development projects are exempt from the Hillsides and Ridgelines Amendments:

1. Proposed development projects within the Moraga Center Specific Plan (MCSP) area, which shall be governed by the provisions of the MCSP, as may be amended from time to time, and any amendments to the Moraga General Plan adopted in conjunction with any amendment to the MCSP.
2. Subdivisions approved by the Town where a Final Map has been recorded for the subdivision prior to the effective date of the Hillsides and Ridgelines Amendments.
3. Pending development project applications with a published Draft EIR or IS/MND as of the effective date of the Hillsides and Ridgelines Amendments, provided no entitlements have been granted. Such pending development project applications shall be governed by the provisions of the Moraga General Plan and all other applicable policies, standards and regulations in effect prior to the adoption of the Hillsides and Ridgeline Amendments. Notwithstanding such exemption, once any pending development project application has been acted upon by the final

reviewing body or is withdrawn by the applicant, this exemption shall no longer apply to any such application.

For any development project not specifically exempt from the Hillsides and Ridgelines Amendments, such amendments govern in accordance with and to the fullest extent permissible under law.

### **3 MAINTAIN THE TOWN'S SEMI-RURAL CHARACTER (SRC)**

#### **APPLICABLE TO ALL TYPES OF DEVELOPMENT**

These guidelines are intended to help preserve the semi-rural features that make Moraga unique when considering applications for development. Therefore, ***these guidelines are applicable to all types of development.***

- SRC1 Retain, protect, and utilize existing natural features, such as trees and other vegetation, interesting ground forms, rocks, water, and significant views in the design.
- SRC2 The impact and presence of vehicles resulting from the development should be minimized through proper siting and screening in order to buffer parking areas from locations both interior and exterior to the site.
- SRC3 Circulation systems should avoid conflict between vehicular, bicycle and pedestrian traffic. Emergency and service vehicle access shall be accommodated within the circulation system.
- SRC4 Accessory structures should not encroach upon front yard and exterior side yard setbacks.
- SRC5 Preserve natural site amenities.
  - a. Development should be planned in relation to natural features.
  - b. Natural features must be protected both during and after construction of the project.
  - c. Retain trees and other native vegetation, consistent with tree preservation ordinance, to maintain current stability of steep hillsides, retain moisture, prevent erosion, and enhance the natural scenic beauty. Grading under tree drip lines should be avoided to protect the root system during development.
  - d. Treat significant natural features, such as creeks, rock out-croppings, and prominent knolls, as assets.
- SRC7 New trees should be planted to compliment the natural pattern of tree placement and should be selected from one of the palettes in Appendix B.
- SRC8 Mature native tree groupings should be protected.
- SRC9 Improvements should be sited away from creeks to enhance safety and to protect existing drainage patterns, riparian habitat, and wildlife.

## 4 PROTECT RIDGELINES AND HILLSIDE AREAS (RH)

This section establishes design guidelines for development in hillside areas in Moraga. A “hillside area” as defined in Chapter 8.04 of the Moraga Municipal Code includes either of the following:

- A parcel with an average predevelopment slope of twenty (20) percent or greater; or
- The area of a parcel where (i) the area of disturbance of a development project and/or (ii) the footprint of the primary structure, has an average predevelopment slope of twenty (20) percent or greater. These particular areas of a parcel shall be classified as a “Hillside Area” or “Hillside Land” regardless of the average predevelopment slope of the entire site or parcel in which the area of disturbance or the footprint of the primary structure is located.

Guidelines in Part 1 of this section apply only to subdivisions and new homes on an undeveloped parcel or site. Part 2 contains guidelines that apply to subdivisions and new homes **as well as** to additions that add a full or partial upper story to an existing home and/or increase the floor area of an existing home by 35 percent or more.

Some guidelines in this section address issues covered elsewhere in the Design Guidelines. In such a case, related guidelines in other sections are noted below. Hillside projects must comply with these other guidelines as applicable. In the case of conflict between guidelines in this section and in other sections, the more restrictive shall prevail.

### PART 1: GUIDELINES THAT APPLY ONLY TO SUBDIVISIONS AND NEW HOMES

#### RH1: SUBDIVISIONS

*See also guidelines SRC1, SRC5, SRC9, ID5, ID13, SFR1.*

RH1.1 General Design. New subdivisions should be designed to minimize alteration to the natural terrain, blend with the natural setting, and preserve the scenic qualities of hillside areas.

RH1.2 Site Constraints. Development should be located in the portion or portions of the site that is/are least constrained and most suitable for development. To the greatest extent possible, the location of development should avoid the following constraints:

- Unstable soil, landslide susceptibility and other geologic hazards.
- Areas highly visible from a scenic corridor.
- Areas where proposed development would project above a ridge when viewed from any scenic corridor.
- Significant natural landforms including rock outcroppings, prominent knolls, bluffs, ravines, and other similar geologic features.
- Steep slope areas.
- Protected native, historic, and orchard trees as defined in Moraga Municipal Code Chapter 12.12, sensitive vegetation, wetlands, riparian areas, and special status species habitat.
- Wildfire hazard areas.
- Waterways and flood hazard areas.

Applicants for a development project shall submit a constraints analysis that identifies the location of these constraints on the site and demonstrates that location of the development will avoid these constraints to the greatest extent possible.

RH1.3 Design Variation. Homes within a subdivision should exhibit design variation that minimizes repetitive forms and contributes to a more organic design aesthetic. As appropriate, homes should feature variation in:

- Front building setbacks and placement on lots;
- Floor elevations and building heights; and
- Building massing, elevations, floor plans, architectural style, materials and colors.

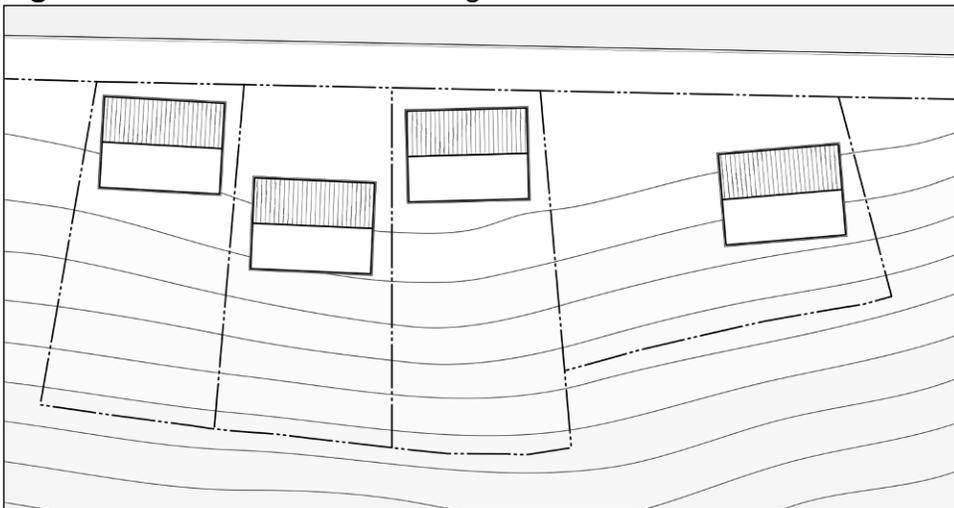


*Variation in the placement, orientation, setbacks, and architectural styles of homes creates visual interest in Moraga hillside subdivision*



*Variation in building heights contributes to a more organic design aesthetic*

**Figure RH-2: Variation in Building Setbacks**



*Variation in building setbacks helps a subdivision to blend into the natural setting*

- RH1.4 Clustered Development. Homes should be clustered if doing so will maximize the amount of preserved open space and better maintain the predominantly natural character of the hillside. Greenbelts and/ or fuelbreaks, incorporating appropriate transitional landscaping treatments, should be used to separate clustered structures from natural areas.
- RH1.5 Density on Steep Slopes. Densities should be minimized on steep slopes to reduce exposure to geologic hazards and limit alteration of natural landforms.
- RH1.6 View Impacts. Development should be located and design to minimize impacts to both close up and distant views of the natural hillside and ridgeline landscape as seen from valley areas.

## **RH2: ROADS AND SIDEWALKS**

*See also guidelines ID13.3, ID13.4, ID13.9.*

- RH2.1 Visibility. Roads should be located, designed, and landscaped to minimize their visibility from scenic corridors.
- RH2.2 Natural Contours. Roads should follow the natural contours of the land and should not be orientated perpendicular to contour lines.

- RH2.3 Curbside Parking. To reduce grading and allow for narrower roads, curbside parking lanes are discouraged. Guest parking should be provided through shared parking bays where doing minimizes visual impacts and site disturbance.
- RH2.4 Width. Roads should not exceed the minimum width required for emergency vehicle access and to meet applicable public works standards.
- RH2.5 Sidewalks. Sidewalks may be provided on one side of the road only if doing so will minimize road width, grading, and general site disturbance. Separated and/or meandering pedestrian facilities that can accommodate landscape buffering and grade separations to better respond to topography are encouraged.

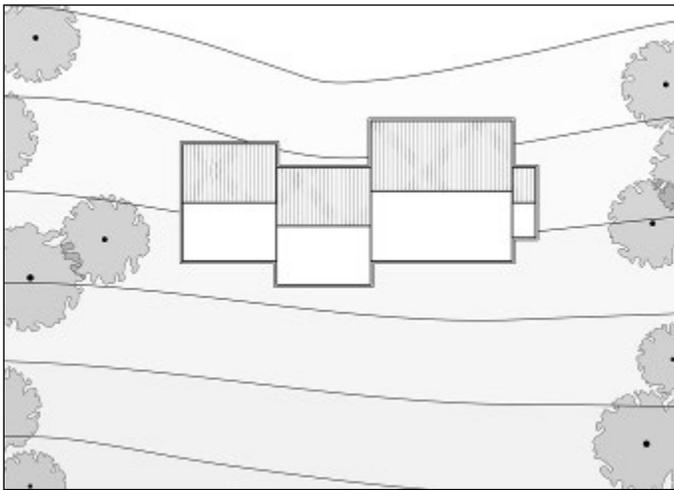
### **RH3: Building Placement and Foundation Design**

*See also guidelines SRC1, SRC5, SRC7, SRC8, SRC9.*

#### **A. Building Placement**

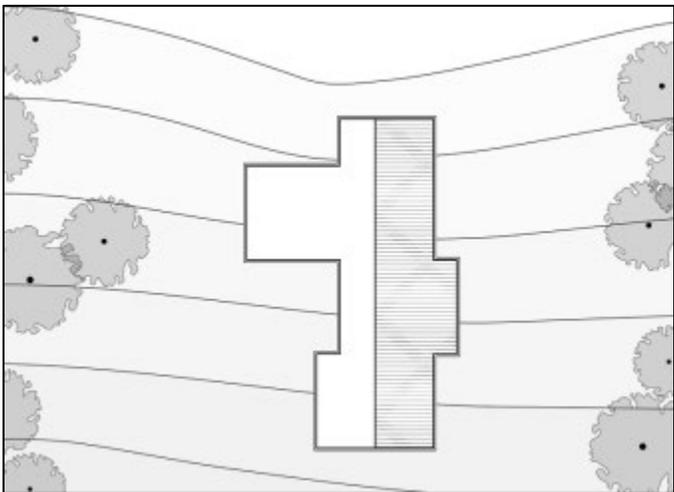
- RH3.1 Minimize Grading and Avoid Natural Features. Buildings should be located on lots in a manner that minimizes the need for and total amount of grading to the extent practicable and avoids disturbances of natural features where possible.
- RH3.2 Conform with Natural Topography. Building placement should conform to the natural topography of the site and run with the contours in order to reduce the appearance of bulk and minimize the need for grading.
- RH3.3 Appearance of Mass. On downhill lots, buildings should be placed on the lot so as to reduce building mass that hangs over or steps down the slope.

### Figure RH-3: Conform with Natural Topography



*Buildings placed to conform with natural topography and site's contours (top) minimize the amount of grading and reduce the appearance of bulk.*

**DO THIS**

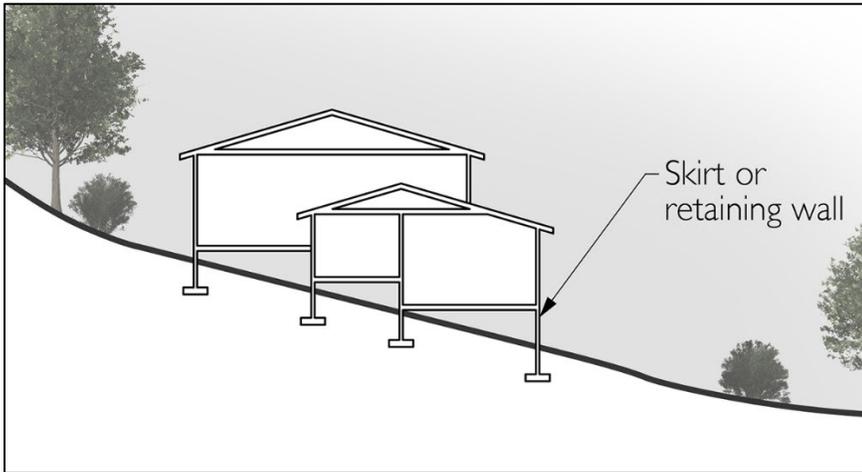


**DON'T DO THIS**

### B. Foundation Design

**RH3.4 Stepped Design.** Where the existing slope of the development site is 20 percent or steeper, dwellings should exhibit a stepped design that follows the natural terrain and does not stand out vertically from the hillside. Dwellings may be designed with a stepped, pier and grade beam, or a custom foundation to limit grading and alterations to the natural terrain. The Town may grant an exception to this stepped design guideline in accordance with guideline RH 3.5 below.

**Figure RH-4: Stepped Foundation**



*Stepped foundation helps to minimize appearance of mass and bulk.*

**RH3.5 Deviation from Stepped Design Guideline.** The Town may allow a project to deviate from the stepped design guideline in RH3.4 above upon finding that a single-level padded lot will produce a superior design that more fully conforms to the Town's design goals for hillside development. If a deviation is allowed, the single-level padded project should comply with the following guidelines:

- Significant vegetation, rock outcroppings, or other important natural features as determined by the reviewing authority should not be removed or disturbed.
- The vertical height of any resulting graded slope or combination retaining wall and slope visible from a public place or neighboring property should be minimized to the extent possible.
- Pads should be the minimum area to accommodate the structure and a reasonable amount of open space.
- Pad height should be minimized to the greatest extent possible.



*Examples of hillside homes with stepped foundations in Orinda (left) and Lafayette (right).*

## PART 2: GUIDELINES THAT APPLY TO SUBDIVISIONS, NEW HOMES, AND ADDITIONS

The guidelines below apply to subdivisions, new homes, and additions that add an upper story to an existing home and/or increase the floor area of an existing home by 35 percent or more. If an existing home or site conflicts with a guideline, the guideline shall apply only to the addition or change to the site.

### RH4: Building Design

*See also guidelines ID2, ID13.2, SFR12, SFR2.*

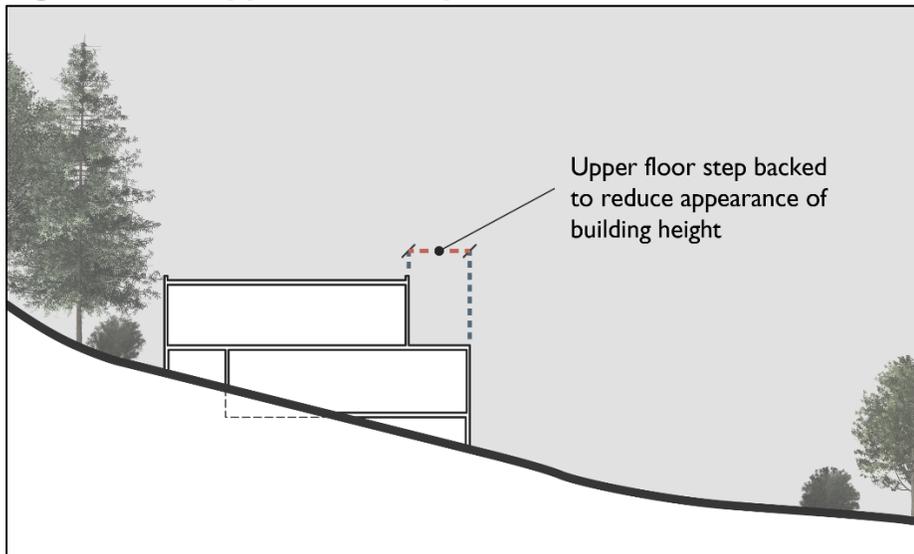
#### A. Building Height and Stepbacks

- RH4.1 Building Height. Building height should be minimized to reduce visual prominence and blend into the natural setting.
- RH4.2 Elevated Padded Lots. In cases where the modified grade of a home site exceeds existing grade, building pads should be established at the lowest elevation possible given site constraints and project objectives. Development projects with elevated building pads shall be subject to heightened design review requirements in accordance with Municipal Code Section 8.72.060.
- RH4.3 Stepbacks. On up-sloping lots, upper stories facing a street should be stepped back a sufficient distance from the ground floor to minimize the building's visual height as viewed from the street and other down-slope public places.



*Example of hillside homes with upper story stepback in Orinda (left) and Lafayette (right).*

**Figure RH-5: Upper Floor Stepbacks**



*Stepping back upper floors on down sloping lots reduces a building's visual height.*

**RH4.4 Underfloors (Skirt Walls).** The vertical distance between the lowest finished floor of an elevation of a building and the finished grade should not exceed 6 feet.

### **A. Building Mass and Volume**

**RH4.5 Building Mass.** Building design should incorporate techniques to effectively reduce the appearance of mass, bulk and volume where visible from a public place or neighboring property. Such techniques include, but are not limited to:

- Keeping building forms simple and avoiding architectural styles that are inherently viewed as massive and bulky.
- Minimizing the square footage of a home and avoiding large volume buildings forms.
- Avoiding the use of architectural features that increase visual prominence, such as two-story entries, turrets, and large chimneys.
- Avoiding overhanging decks, large staircases and patios formed by retaining walls that make buildings appear more massive.
- Stepping the building foundation and roofs with the natural slope.
- Stepping back second stories so that a difference in wall planes is visible from a distance.
- Creating light and shadow by providing modest overhangs, projections, alcoves, and plane offsets,
- Using vaulted ceilings rather than high walls and ceilings with attics above to achieve a feeling of volume.

## B. Building Elements

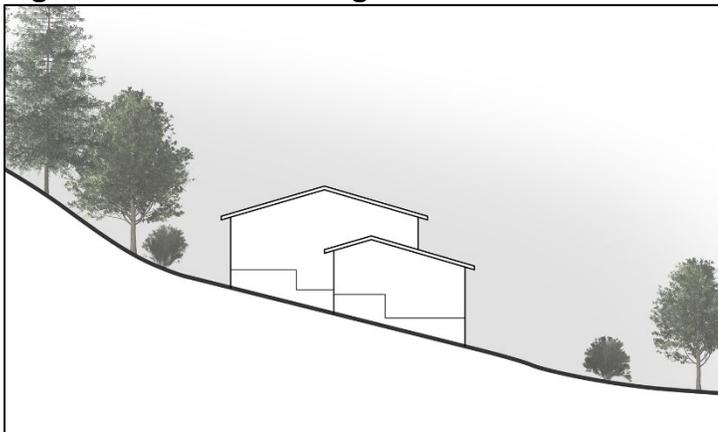
RH4.6 Roofs. Roofs should be designed to minimize the visual prominence of buildings and complement the surrounding landscape. This may be accomplished by:

- Orienting the slope of the main roof in the same direction as the natural slope of the terrain.
- Minimizing the use of long, linear roof lines.
- Dividing roof forms into a series of smaller components that reflect the irregular forms of the surrounding natural features.
- Incorporating roof colors with darker earth tones that are less conspicuous when viewed from a distance.
- Reducing roof pitch to no more than 4:12.
- Utilizing hipped roof designs.



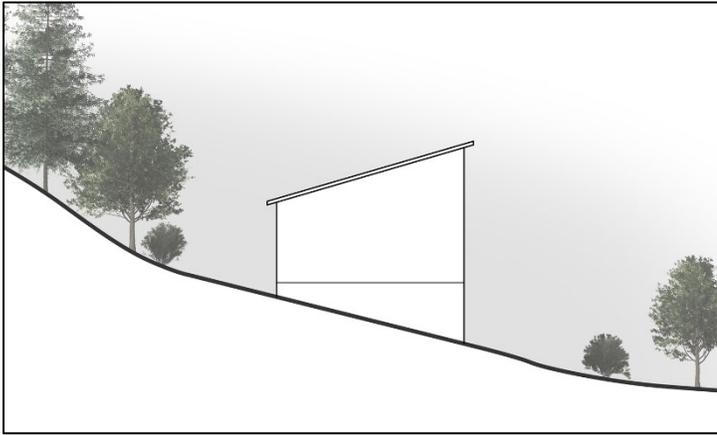
*Example of roof forms broken into multiple elements in Moraga (left) and a roof that follows the natural slope in Orinda (right).*

### Figure RH-6: Roof Design



*Roofs that slope in the same direction as the natural terrain (top) minimize the visual prominent of buildings.*

**DO THIS**



**DON'T DO THIS**

RH4. Exterior Colors. Exterior colors for new structures should be coordinated with the predominant colors and values of the surrounding landscape to minimize contrast of structures with their background when viewed from scenic corridors and other public areas.

RH4.7 Window Tinting. Mirror-like window tinting should be avoided.

**RH5: Grading**

*See also Guidelines ID10, ID11.1, SFR1.6, SFR1.12*

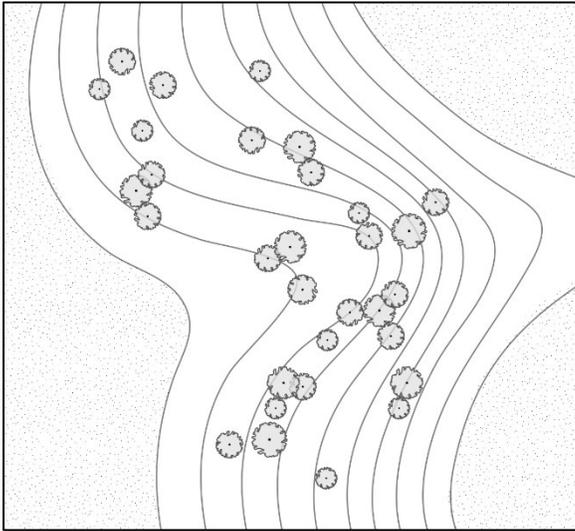
RH5.1 Contour Grading. Contour grading techniques should be used to blend with natural slopes and achieve a natural appearance. The following concepts should be utilized:

- Hard edges left by cut and fill operations should be given a rounded appearance that closely resembles the natural contours of the land.
- Manufactured slopes adjacent to driveways and roadways should be modulated by berming, regrading, and landscaping to create visually interesting and natural appearing streetscapes. However, preservation of trees and avoidance/elimination of retaining walls where possible is a priority.
- Where cut and fill conditions are created, slopes should be varied rather than left at a constant angle, which creates an unnatural, engineered appearance.
- The angle of any graded slope should be gradually transitioned to the angle of the natural terrain. Creation of new grades slopes, significantly steeper than local natural slopes should be minimized.

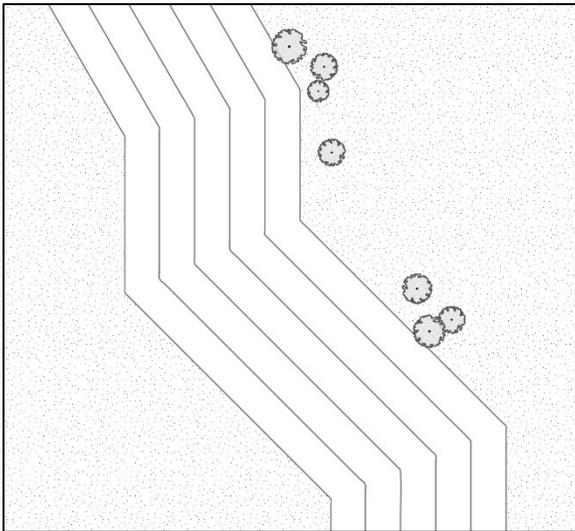
RH5.2 Grading Areas on Lots. Graded areas on lots should not be larger than the area of the footprint of the house, plus that area necessary to accommodate pedestrian and vehicle access, required parking and turnaround areas, and reasonably-sized yard space.

RH5.3 Restoration of Original Topography. After completion of construction, areas of disturbance should be restored as closely as possible to their original topography.

**Figure RH-7: Contour Grading**



**DO THIS**



**DON'T DO THIS**

## **RH6: Landscaping**

RH6.1 Use of Landscaping. Landscaping should be used to maintain the natural appearance of the hillside, blend structures with the natural setting, and screen structures from public and private views. Plant palettes should be consistent with those specified in Design Guidelines Appendix D.

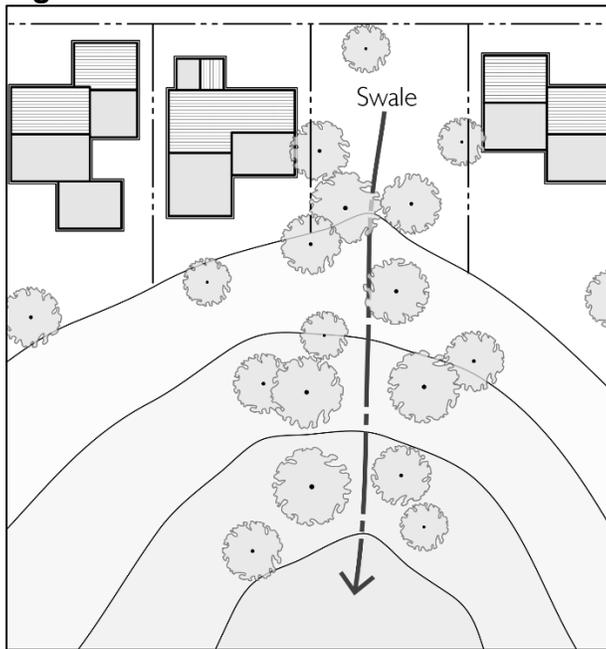


*Existing and new landscaping help to blend Orinda home into the natural appearance of the hillside.*

- RH6.2 Fire Safe Landscaping. Fire safe landscaping should be used consistent with Guideline L1.
- RH6.3 Turf Grass. Turf grass should not occupy more than 25 percent of total yard area.
- RH6.4 Formal Gardens and Turf Areas. Geometric landscape design visible from public places should be minimized. When visible from a public place, formal gardens (including ornamental plantings, hardscape, and turf areas) should be limited to locations immediately adjacent to the house such as entry ways or small gardens at the rear.
- RH6.5 Location of Plant Types. Irrigated landscaping should be concentrated adjacent to the dwelling. Landscaping should transition to more natural planting on the remainder of the lot. Plant species outside of the usable open space immediately adjacent to the dwelling should be indigenous and appropriate for the immediate natural habitat.
- RH6.6 Configuration. Plants visible from a public street should be clustered informally to blend with the natural vegetation. Trees and shrubs should not be planted in a straight lines to define property lines, driveways, or edges.
- RH6.7 New Trees.
- a) Trees should be planted along contour lines in undulating groups to create grove effects which blur the distinctive line of the graded slope.
  - b) Trees planted in proximity to ridgelines should be similar in height and form to that of naturally occurring species in the vicinity, and when naturally occurring trees and vegetation do not protrude above a ridgeline, follow a similar pattern.

- c) When possible, locate trees at the edges of swale areas and bioretention facilities to more closely reflect natural conditions and gather surface runoff for plant irrigation.

**Figure RH-8: New Trees**



*New trees planted at edges of swale reflect natural conditions*

## **RH7: Drainage**

*See also guidelines SRC9, L2.3, ID12*

- RH7.1 Natural Drainage Courses. Natural drainage courses should be preserved with native vegetation intact, should be enhanced to the extent possible, and should be incorporated as an integral part of the site design in order to preserve the natural character of the area. Appropriate creek structure setbacks should be defined and maintained free of any development.
- RH7.2 Naturalizing Treatment. Manmade drainage channels should receive a naturalizing treatment such as rock and landscaping so that the structure appears as a natural part of the environment.
- RH7.3 Runoff Dispersion. Runoff should be dispersed within the subject property through landscape infiltration to the greatest extent feasible. Runoff concentration that requires manmade drainage channels or engineered drainage facilities should be avoided.
- RH7.4 Visibility. Manmade drainage channels should be placed in the least visible locations possible.

## RH8: Site Elements

### A. Driveways

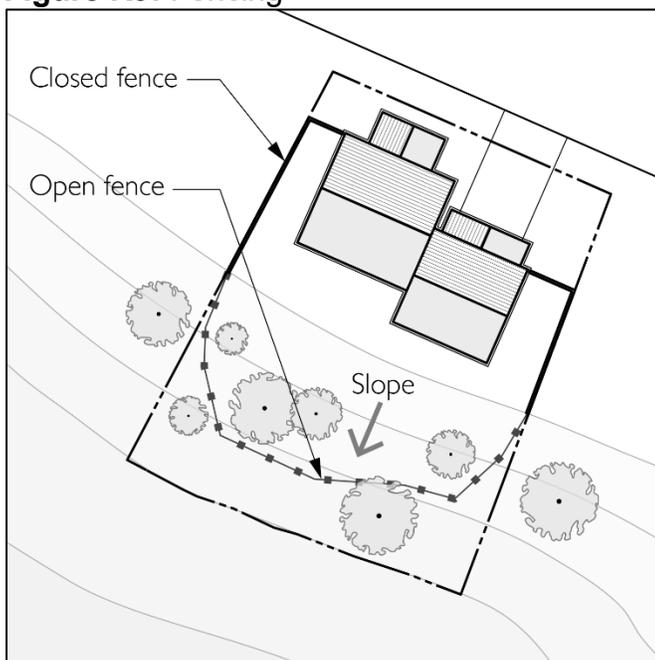
See also Guideline ID13.6, ID13.9, SFR1.7, SFR1.8, SFR1.9

- RH8.1 Driveway Location. Driveways should be located to minimize the need for grading and should align with the natural contours of the land to the greatest extent possible.
- RH8.2 Driveway Width. Driveways widths should be the minimum required by Town regulations. Common driveways shared by multiple units should be used to the extent possible.
- RH8.3 Driveway Material. Driveways should be darkened, colored, or textured to exhibit a natural appearance and to blend in with the surroundings.

### B. Fences

- RH8.4 Solid Fencing. Solid fencing should only be used to enclose the immediate usable outdoor space around a house and should not be used to delineate property lines.
- RH8.5 Perimeter Fencing. Where fencing is needed to delineate private property from public or common areas, fencing should remain visually open (i.e., split rail or wire deer fencing) in order to minimize the visual “ribbonlike” effect of fencing on the hillsides. Perimeter chain link fencing is prohibited.

**Figure R9: Fencing**



*Fencing along perimeter of parcel remains visually open to minimize a “ribbonlike” effect on the hillside*

### **C. Retaining Walls**

*See also Guidelines ID11.*

- RH8.6 **Materials.** Retaining walls that are visible from a public street should blend with the natural hillside environment and promote a semi-rural character through veneers of natural stone, integrally-colored concrete, textured surfaces, and other similar treatments.
- RH8.7 **Follow Topography.** Retaining walls should blend with the natural topography, follow existing contours, and be curvilinear to the greatest extent possible.
- RH8.8 **Landscaping.** Landscaping should be provided adjacent to retaining walls visible from a public street and should include a combination of native trees and shrubs to screen the retaining walls from view to the greatest extent practicable.

### **D. Outdoor Lighting**

*See also Guideline ID6.*

- RH8.9 **Site Lighting.** Outdoor lighting on private property which is visible from public streets should be indirect or incorporate full shield cut-offs. Light sources should not be seen from adjacent properties or public rights-of-way.
- RH8.10 **Street Lighting.** In order to minimize light pollution and maintain enjoyment of the night sky in hillside areas, street lighting should not exceed the minimum illumination required by the Town and other public agencies unless determined necessary by the Town to protect the public health, safety and welfare.

## **5 COMPLEMENT EXISTING LANDSCAPING (L)**

Moraga values abundant landscaping and high design standards.

### **L1 FIRE SAFE LANDSCAPING**

The Fire District highly recommends the use of fire safe landscaping in residential, commercial, and open space areas that might be threatened by fires, such as sloped lots.

In order to ensure that vegetation does not promote the spread of fire between residences or between open space, development should take into consideration fire safety in the design of landscapes. The Town shall consider the following factors when reviewing development proposals:

- L1.1 On residential lots located adjacent to open space or heavily wooded areas, trees should be planted no closer than 15 feet from the exterior wall of a residence.
- L1.2 Consideration should be given to avoiding flammable trees and shrubs where possible. Selection should be from those listed as fire resistant in Appendix B. Consult the Moraga Fire Protection District for highly flammable plant species to be avoided such as certain pine, juniper, and eucalyptus species.
- L1.3 Landscaping should be properly irrigated to assure that plants retain their fire retardant capability, but shall not be over watered so as to create runoff from the site.
- L1.4 On residential lots located adjacent to open space or heavily wooded areas, landscaped areas should be maintained with a “wet band” (spray irrigation) that is a minimum of 30-100 feet in width, where setbacks allow. For fire safety consideration contact the Fire District for distance guidelines.
- L1.5 The use of shredded bark should be avoided; bark chips are recommended. Suggested minimum depth of chips is 3 inches.
- L1.6 The Town will weigh the merits of water conserving landscapes in conjunction with fire safety and stormwater management.

### **L2 SINGLE-FAMILY RESIDENTIAL LANDSCAPING AND IRRIGATION**

- L2.1 Residential properties should be landscaped and irrigated in accordance with the natural environment.
- L2.2 New irrigation systems shall include automatic rain shut-off controller devices.
- L2.3 Irrigation runoff shall not be discharged into the storm drain system. Therefore, over watering of the landscape shall be avoided. Opportunities shall be provided for biofiltration that routes stormwater through landscaping and then to an appropriate drainage facility.
- L2.4 Drought tolerant plant species are encouraged as they use less water and are often fire safe.
- L2.5 Drought tolerant, fire resistant, native tree and shrub species should be selected from one of

the palettes in Appendix B. The Town of Moraga encourages planting of native species over non-native species and encourages applicants to refer to the Native Plant Society website at [www.nps.org](http://www.nps.org) to check that the plants that you select are not invasive species.

### **L3 MULTI-FAMILY AND COMMERCIAL LANDSCAPING AND IRRIGATION**

- L3.1 Landscaped areas should be planned as integral parts of the project and not simply as leftover green spaces to be planted on the site.
- L3.2 Areas not covered by buildings or structures enclosed for storage or used for paved walks, alleys, or drives should be completely landscaped and irrigated.
- L3.3 Parking lots should be landscaped through the use of concave islands and medians swales designed to accommodate trees, shrubs, and ground cover while providing drainage and biofiltration of concentrated stormwater. Fast growing deciduous or evergreen trees should be planted at a ratio of one tree for every 4-6 parking spaces, to create maximum summer shade.
- L3.4 Landscaping should permit adequate sight distance for motorists and pedestrians entering and exiting the site and shall not interfere with parking lot and circulation effectiveness.
- L3.5 Landscaping should be developed to relieve solid, unbroken elevations and soften continuous wall expanses as well as complement a building or building cluster.
- L3.6 Significant landscaping should be provided around the perimeter of the site.
- L3.7 Dense landscaping should be incorporated into any project to screen unattractive views and features such as storage areas, trash enclosures, parking lots, public utilities, and other elements that detract from the appearance of the surrounding area.
- L3.8 Tree and shrub planting may be grouped together in order to create stronger accent points or a sense of place.
- L3.9 Initial landscaping should be of a size and quality that a mature appearance will be attained within three years of planting. At least 25% of the proposed trees on the site are to be a minimum of 24" box size and the remaining trees a minimum of 15-gallon size.
- L3.10 Lawn areas should be limited to 25% of the total landscaped areas and must be a drought tolerant fescue variety, with exceptions for schools, parks and public recreational areas. Percentage may be increased for biofiltration.
- L3.11 Significant trees existing on the property should be protected retained and integrated with the design where appropriate.
- L3.12 Deciduous trees along southern building exposures, coniferous and broadleaf evergreen trees along East and West building exposures and evergreens along the North exposures are recommended to conserve energy usage within structures.
- L3.13 All plant materials (including street trees and planting within the public right-of-way) should be watered with an automatic irrigation system. Provision shall be made for watering planting boxes and individual planters raised from the ground.

- L3.14 Water-conserving system design and materials and drip irrigation should be used wherever appropriate.
- L3.15 New irrigation systems shall include automatic rain shut-off controller devices.
- L3.16 Plants from the palettes in Appendix B should be selected. The Town of Moraga encourages planting of native species over non-native species and encourages applicants to refer to the Native Plant Society website at [www.cnps.org](http://www.cnps.org) to check that the plants that you select are not invasive species.

## **6 ENHANCE TOWN'S SCENIC CORRIDORS (SC)**

This section establishes design guidelines for development within 500 feet of a major scenic corridor, as measured from the edge of the public right-of-way. The major scenic corridors designated in the General Plan include: Bollinger Canyon Road, Camino Pablo, Canyon Road, Donald Drive (along the ridgeline of Mulholland Hill), Moraga Road, Moraga Way, Rheem Boulevard, and St. Mary's Road. The purpose of these guidelines is to preserve and enhance the semi-rural character of Moraga's scenic corridors and protect scenic vistas of distant hillsides as viewed from scenic corridors.

For guidelines that apply to development in hillside areas located outside of scenic corridors, see Section 4: Protect Ridgelines and Hillside Areas (RH).

### **SC1 APPLICABLE TO ALL SCENIC CORRIDOR DEVELOPMENT**

- SC1.1 Medians in scenic corridors should be planted and landscaped except where drivable medians are necessary. See Appendix B for recommended plants and Appendix C for conceptual examples for aesthetic enhancement.
- SC1.2 Wide and curved trails should be used along scenic corridors instead of sidewalks wherever possible. Both trails and sidewalks should be separated from roadways with plantings. See Appendix C.
- SC1.3 A greenbelt should be established between the scenic corridor major road and a parking area or building that is located adjacent to the road. The greenbelt must be landscaped and appear to be natural (i.e. a high percentage of the ground area could be a mounded redwood bark or stone covered area as long as plants provide a reasonable amount of massing to create a screening effect). All landscaped areas shall be appropriately irrigated to maintain healthy plants while preventing runoff from over watering.
- SC1.4 Trees should be planted on medians and along scenic corridors except where traffic views are blocked. Where tree planting next to scenic corridors is otherwise not possible, planters for trees should be located in street parking zones. See Appendixes B and C. Native grass areas are acceptable along the scenic corridor where formal landscaping is inappropriate.
- SC1.5 The greenbelt separating a single-family residence from a scenic corridor roadway should have a minimum depth of 20 feet. This depth can be lessened if mitigated by shrubbery, trees and/or other acceptable elements or landscaping.
- SC1.6 Landscaped mounds or berms are encouraged between the scenic corridor roadway and large parking areas and may be steeper than 3:1 if appropriately landscaped and irrigated.
- SC1.7 Commercial shopping centers shall have a twelve-foot or greater depth of greenbelt between the road and parking area or building, exclusive of the public sidewalk.
- SC1.8 Greenbelts should have a balance of high and low plants to give a natural look to the landscaped area. At no time will a landscaped area (other than grass) exceed 50 lineal feet along the scenic corridor road without a change in massing, character, and color.
- SC1.9 Religious or educational institutions, apartment complexes, professional buildings, commercial buildings, and residences along scenic corridors should have a minimum 15-foot greenbelt depth to the property line at adjacent streets (exclusive of sidewalk) with moderate landscaping.

- SC1.10 A property owner may be required to upgrade existing conditions when major work is accomplished on a parcel that is within 500 feet of the center line of a major scenic corridor.
- SC1.11 In order to enhance the landscaping along designated scenic corridors, new development within 500 feet of these corridors should include trees and shrubs from one of the palettes in Appendix B. The Town of Moraga encourages planting of native species over non-native species and encourages applicants to refer to the Native Plant Society website at [www.nps.org](http://www.nps.org) to check that the plants that you select are not invasive species.
- SC1.12 Roadside landscaping should be selected from one of the palettes in Appendix B and only lightly trimmed except where street signs and other directional signs are blocked from view.
- SC1.13 Existing overhead lines on both private and public property along scenic corridors should be converted to underground when substantial redevelopment is proposed.
- SC1.14 Signage, bus shelters, monuments and other site elements should be of semi-rural character and be rustic looking, preferably stone. See Appendix C.
- SC1.15 Storm water runoff swales should be used along roadsides and medians of scenic corridors instead of curbing to slow storm water runoff and enhance the semi-rural look. See Appendix C.
- SC1.16 Design shall be consistent with the Moraga Municipal Code Section 8.132.
- SC1.17 Viewsheds, including but not limited to close up and distant views, ridgelines, hillsides and mature native tree groupings should be protected along the Town's scenic corridors to retain the Town's semi-rural character.

## SC2 SCENIC VISTAS

The guidelines in this section apply to development within the 500-foot buffer of a scenic corridor with the potential to obstruct public views of Moraga's scenic vistas. "Scenic vistas" means designated ridgelines as shown in General Plan Figure CD-1 (Designated Ridgelines) and hillsides visible below these ridgelines. Compliance with these guidelines shall be evaluated by considering potential view impacts from the centerline of the applicable scenic corridor public right-of-way.

Scenic vista guidelines should be applied in a manner that balances scenic vista protection with other Town goals and policies. For example, the Moraga Center Specific Plans (MCSP) calls for infill development along scenic corridors to increase housing choices and increase economic vitality. These scenic vista guidelines should not be interpreted to prohibit new development within the MCSP boundaries that is otherwise consistent with the MSCP and implementing regulations. Instead, scenic vista guidelines should be applied to a project together with other Town policies and regulations in a balanced manner that addresses all Town goals and policies to the maximum extent possible.

- SC2.1 **General Intent.** Development in scenic corridors should be located and designed to preserve and enhance public views of scenic vistas, both near and distant.
- SC2.2 **Front Setbacks.** Where appropriate for the location and surrounding context of a development site, front building setbacks should be increased to minimize obstruction of scenic vistas.
- SC2.3 **Upper Story Stepbacks.** Upper stories fronting a scenic corridor should be stepped back behind the ground floor if a stepped back design minimizes obstruction of scenic vistas.
- SC2.4 **Height and Mass Variation.** Development should minimize view obstructions through variation in building heights and volumes so that views of scenic vistas remain visible above lower sections of building.
- SC2.5 **Building Separation.** Where appropriate, buildings should be set back from one another to maintain views of scenic vistas through the site.
- SC2.6 **Accessory structures.** Fences, walls, freestanding signs, and other accessory structures should complement the design character of the site and minimize impacts on scenic vistas.
- SC2.7 **Landscaping.** Landscaping that at maturity will obscure views of scenic vistas is discouraged. Low shrubs and groundcover should be used to ensure permanent preservation of views. Trees and other taller plants should be carefully placed to minimize view impacts and where appropriate frame public views to scenic vistas.
- SC2.8 **Public Gathering Places.** Publicly accessible gathering places, such as outdoor seating areas and courtyards, should be located and designed to maximize unobstructed views of scenic resources for visitors.

## 7 MINIMIZE THE IMPACTS OF DEVELOPMENTS (ID)

To the extent possible, development should be concentrated in areas that are least sensitive in terms of environmental and visual resources, including: a) areas of flat or gently sloping topography outside of flood plain or natural drainage areas; b) the Moraga Center and Rheem park area; c) Infill parcels in areas of existing developments.

### ID1-7 APPLICABLE TO ALL DEVELOPMENT

- ID1 Downhill or uphill portions of any project shall provide landscaped treatment to address potential erosion, to be in harmony with adjacent developments, and to provide a complimenting view from distant horizons. Dense native landscaping should be used to blend hillside structures with the natural setting.
- ID2 Roofing materials shall be benign and non-corrosive, such as slate, steel, stone, terra cotta tiles, fiberglass composition shingles, etc. Copper materials shall not be used for any component of the roofing system (roofing material, gutters, downspouts, splash pads, screens, etc.). Solar systems on roofs are encouraged and not subject to Design Review.
- ID3 Wind barriers, shade, sound absorption, dust abatement, glare reduction, and proper drainage should be provided on site.
- ID4 Buildings should be placed on the site so as to permit passive solar design, ample room for usable yard areas, adequate landscaping, and proper drainage between and around buildings.
- ID5 Geologic hazards shall be addressed:
- a. Construction should not take place in geologic hazard areas identified as landslides, springs, or earthquake fault zones.
  - b. Risk of off-site geologic property damage should be minimized by locating development away from areas which are vulnerable to slope failure.
  - c. Professional evaluation of soil conditions and potential geologic hazards should be completed for all new homes.
- ID6 The level of lighting should not exceed the needs for security and safety or detract from the aesthetics of the development.
- a. Outdoor lighting should be related to the design of the structure.
  - b. Outdoor light fixtures should be designed and mounted so that the source of light has minimal impact off site.
  - c. Outdoor lighting should be directed inward toward the property and may require additional screening to avoid spillage onto adjacent residential properties.
- ID7 Design shall be consistent with the Moraga Municipal Code section 13.04.090.

## **ID8 SWIMMING POOLS**

- ID8.1 The draining of all swimming pools shall be directed to the sanitary sewer system whenever feasible and be conducted in compliance with the permitting and standards established by Central Contra Costa Sanitary District. Overflow drains from swimming pools shall be directed to a landscape area or manufactured treatment system prior to connecting to the storm drain system. Best Management Practices (BMPs) shall be used to manage overflows.
- ID8.2 Design shall be consistent with the Moraga Municipal Code section 13.04.060d.

## **ID9 PAVING**

- ID9.1 Impervious surfaces shall be minimized through site design and building methods. Directly connected impervious surfaces shall be minimized to avoid excessive concentrated stormwater runoff. Any runoff from impervious surfaces shall be directed to pervious areas or landscaped depressions.
- ID9.2 Impervious paving may be reduced by using permeable materials for pedestrian walkways, parking facilities, and areas with light traffic. Examples include:
- a. Unit pavers-on-sand: turf block, brick, natural stone, or concrete unit pavers
  - b. Poured pervious surfaces: pervious concrete or pervious asphalt
  - c. Granular materials: crushed shells, gravel, aggregate base, cobbles, or wood mulch

## **ID10 GRADING**

- ID10.1 Grading for any purpose may be permitted only in accordance with an approved development plan that is found to be geologically safe and aesthetically pleasing.
- ID10.2 Where the pre-development slope is less than 20% a grading permit may be required. See the Moraga Municipal Code 14.08.010 for details.
- ID10.3 When the pre-development slope is greater than or equal to 20%, development shall be avoided, but may be permitted if supported by site-specific analysis. When grading land with a slope of 20% or more, soil displacement and retaining wall use shall be minimized by using contour grading techniques. In MOSO areas, development shall be prohibited on slopes with an average gradient of 20% or greater. Design shall be consistent with Moraga Municipal Code Title 14.
- ID10.4 Land with a pre-development average slope of 25% or greater within the development area shall not be graded except as authorized by the Town Council and only where it can be shown that a minimum amount of grading is proposed in the spirit of, and not incompatible with, the intention and purpose of the Moraga General Plan. No new residential structures may be placed on after-graded average slopes of 25% or steeper within the development area except that this provision shall not apply to new residential structures on existing lots that were either legally created after March 1, 1951 or specifically approved by the Town Council after April 15, 2002.

ID10.5 Cut slopes should be placed behind buildings or other structures where they will be screened.

ID10.6 Preserve the natural topography of the land, especially at the horizon:

- Round off graded slopes, in a manner that conforms to the natural contours of the land and to the surrounding terrain. Sharp angles produced by earth moving, specifically at the top and toe of graded slopes shall be avoided.
- Slopes shall be contour graded to achieve a natural appearance.
- Slopes shall be blended with the contours of contiguous properties and create a smooth transition.
- Grading shall minimize scars due to cuts, fills, and drainage benches on natural slopes.

Neither cuts nor fills shall result in slopes steeper than 3:1 (horizontal to vertical), except where natural slopes are steeper. Where steeper slopes are unavoidable, special mitigation measures shall be incorporated into the design construction and maintenance of the slopes.

## **ID11 RETAINING WALLS**

ID11.1 Retaining walls (excluding foundation retaining walls) and other man-made grading features may only be used to mitigate geologic hazards when:

- a. required to decrease the possibility of personal injury or property damage
- b. designed to blend with the natural terrain and avoid an artificial or structural appearance
- c. appropriately screened by landscaping
- d. designed to avoid creating a tunnel effect along roadways and to ensure unrestricted views for vehicular and pedestrian safety
- e. designed to ensure minimal public and/or private maintenance costs

ID11.2 Exterior retaining walls shall be limited to five feet in height, unless it is visible from off site, in which case it shall be no higher than three feet. The total height of a retaining wall and fencing on top of the wall shall not exceed eight feet without Design Review Board approval. A guardrail or handrail (provided a solid fence does not support it) may be located on top of the retaining wall.

ID11.3 A retaining wall exceeding 3 feet requires professional engineering, a building permit, and may require a grading permit. Design Review Board approval is required if the retaining wall is visible from off-site.

ID11.4 The horizontal depth of the terraces between stacked retaining walls should be a minimum of twice the height of the larger adjacent wall.

ID11.5 Retaining walls should be built a minimum of three feet from a property line.

## **ID12 STORMWATER GUIDELINES**

- ID12.1 All residential buildings, in aggregate, may cover no more than 33% of the lot area. Exceptions may be considered for cluster and multi-family residential projects. For project designs that cluster the new structures on only a small portion of a large site, the percentage may be calculated using the entire site, rather than the lot size.
- ID12.2 Regulations set forth by the San Francisco Bay Regional Water Quality Control Board (RWQCB)<sup>3</sup> shall apply to all new or redeveloped residential and commercial projects:
- a. If the project creates or replaces more than 10,000 square feet of impervious surface;
  - b. Relative to the 10,000 square foot threshold, if 50% or more of the existing impervious surface is replaced then 100% of the site must comply with Provision C.3 of the Town's Stormwater Permit; or
  - c. Relative to the 10,000 square foot threshold, if less than 50% of the existing impervious surface is replaced, then Provision C.3 of the Town's Stormwater Permit only applies to said portion.

Exemptions include: Single-family homes that are not part of a larger development and routine maintenance work such as replacement or resurfacing of roofs and pavements. All new projects must retain pre-project hydrology. All applicable developments must comply with Provision C.3 of the Town's Stormwater Permit. These requirements are separate from—and in addition to—any requirements for erosion and sediment control and for pollution prevention measures during construction (see also the Moraga Municipal Code section 13.04 and Town Council Resolution 9-96).

- ID12.3 For developments whose site constraints prohibit the use of landscape infiltration, manufactured treatment systems can be inserted into the conventional storm drain system. A detailed Operation and Maintenance Plan must be submitted with the design application (see [www.cccleanwater.org/construction](http://www.cccleanwater.org/construction) for the *C.3 Stormwater Guidebook*). Options include:
- a. Catch basin or inlet inserts
  - b. Separators (oil-grit or oil-water)
  - c. Media filters (sand, gravel, peat, compost, activated carbon, fabric, or resin)
  - d. Various filtration treatment devices
- ID12.4 Drainage should follow natural flow patterns and, where appropriate, plans should develop wide area flow patterns, rather than concentrating flow at one point.
- ID12.5 In new development only BMP-treated stormwater shall be discharged into the Town's storm drain system.
- ID12.6 A sufficient number of drains should be provided for retaining wall backdrains and in the crawl space under the foundation to provide an outlet for water that may accumulate behind retaining walls and beneath the house and to drain any areas that may be divided by internal grade beams. Such drainage facilities shall be directed to a landscape area or manufactured

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<sup>3</sup> Please see the RWQCB Order No. 99-058 and Order No. R2-2003-0022.

treatment system prior to connecting to the storm drain system. Design shall be consistent with the Moraga Municipal Code section 13.04.060d.

### **ID13 NEW DEVELOPMENTS AND SUBDIVISIONS**

- ID13.1 Subdivision layout should retain natural topographic features and maintain the Town's semi-rural character.
- ID13.2 The color schemes of homes on adjacent lots within 200 feet of one another should be compatible with and not duplicate one another.
- ID13.3 New road construction should adapt to topography and natural features.
- ID13.4 The impact of increased impervious surface of new roads should be mitigated by paving only the minimum width (20 feet), as required by the local Fire Department for roads that will not accommodate on-street parking. For streets with parking available on both sides the width shall be 36 feet.
- ID13.5 Stormwater should be treated before it enters the storm drain system.
- ID13.6 When appropriate, shared driveways should be used for neighboring clusters of houses and pervious parking areas shall be used.
- ID13.7 Sidewalks, crosswalks, and landscaped multi-use trails shall be incorporated into new developments to encourage alternatives to automobile use. Connections shall be made to adjacent neighborhoods and, where feasible, commercial areas.
- ID13.8 Utility lines for new subdivisions shall be installed underground to maintain natural vistas.
- ID13.9 Whenever possible, roads and driveways should be constructed parallel to existing topographic contours, and, if necessary, split in order to reduce the area of cut on hillsides or to preserve trees or other significant features.
- ID13.10 Street lighting in hillside and ridgeline areas should be unobtrusive and designed to reflect the natural surroundings.
- ID13.11 Hillside lots should be larger than lots on naturally level terrain.
- ID13.12 The same or similar elevations should not be placed within 300 feet of each other along the street without altering the direction of the roof.
- ID13.13 Residences in new subdivisions should meet Build It Green or equivalent requirements for new residences. The Build it Green requirements are attached herein as Appendix A

## **8 THOUGHTFULLY DESIGN SINGLE-FAMILY RESIDENTIAL NEIGHBORHOODS (SFR)**

Residential development shall preserve the Town's existing scale, character, and quality, and provide an inviting pedestrian environment that promotes walking and biking between neighborhoods.

### **SFR1 SINGLE-FAMILY RESIDENTIAL SITE PLANNING**

The following guidelines pertain to all single-family residential projects (new homes or additions):

- SFR1.1 Not more than two (2) two-story units should be placed side-by-side unless topographic and/or architectural considerations justify exceptions or unless the two-story portion of the house is not visible from off site. (Architectural considerations may include partial second stories and setback of second stories.)
- SFR1.2 Front setbacks should be varied, with no more than two adjacent units having the same setback. Setback variation shall be a minimum of three feet.
- SFR1.3 Accessory structures should complement the main structure unless the accessory structure cannot be seen from neighboring properties. Landscaping may be required to screen the accessory structures from view from off site.
- SFR1.4 On padded lots total building heights greater than 28 feet for two-story homes and 19 feet for single-story homes shall require special siting or design treatment to mitigate height.
- SFR1.5 The architectural design motif should continue on all sides of a building. This motif should be compatible with but distinct from adjacent homes.
- SFR1.6 Development of residential lots should take advantage of natural features and unique topography of the site through split level pads or natural contour grading.
- SFR1.7 Pervious surfacing is encouraged for all driveways. Driveways longer than 50' or wider than 16' should be constructed of pervious materials. See Guideline ID9.2. Multiple-car garages are encouraged to use flared driveways to minimize impervious surface coverage.
- SFR1.8 Where topography allows, driveways should slope toward a depressed lawn or other vegetated landscape feature to allow for biofiltration.
- SFR1.9 Circular or hammerhead driveways may be considered for homes that front on busy streets.
- SFR1.10 On padded lots there should be a minimum of 10' near level clearance area from any top or toe of a slope to any structure for access.<sup>41</sup> On padded lots there should be a minimum of 6' near level clearance area on any 3 sides of any building or structure.
- SFR1.11 There should be a near level area of at least 25' x 40', other than the front yard, for usable yard area.

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<sup>1</sup> Clearance is measured from the exterior of the structure or any protruding portion (i.e., chimney, bay window, etc.) to the nearest point on the property line or change in slope, whichever is closer.

SFR1.12 On non-padded lots the house shall be designed to reflect the natural contours of the site, keeping grading to a minimum.

SFR1.13 On padded lots walkways should be set back a minimum of one foot from the top of slope.

## **SFR2 SINGLE-FAMILY RESIDENTIAL BUILDING DESIGN**

SFR2.1 A harmonious relationship with the surrounding neighborhood should be created through the use of compatible design schemes and scale. See Appendix D for the single family residential floor area ratio (FAR) guidelines.

SFR2.2 The color schemes of homes on adjacent lots should be compatible and not duplicate one another.

SFR2.3 Exterior building design on all elevations should be coordinated with regard to color, texture, materials, finishes and architectural form and detailing to achieve design harmony and continuity.

SFR2.4 The number of different materials on the exterior face of the building should be limited. Generally, a variety of masonry materials should be avoided. All chimneys on the same home should be similar in architectural style and materials.

SFR2.5 Roof shape, color, and texture should harmonize with the color and architectural treatment of exterior walls.

SFR2.6 The side yard setback shall be no less than the minimum permitted by the Zoning Ordinance and shall be increased by one additional foot for each foot of end wall height greater than 20 feet. End wall height is the maximum vertical height from finished grade to outer roof surface at the side yard. Chimneys, dormers, and other architectural elements are excepted from this limitation. The skirt wall is counted as part of the height measurement.

In any individual case, the Planning Commission or the Design Review Board may require a larger side yard, provided they can make appropriate findings relating to the following types of conditions:

- a. Major ridgeline (as defined by the General Plan);
- b. Scenic corridor;
- c. General Plan land use or zoning designation;
- d. Proposed use of structure, in relation to surrounding uses;
- e. Visibility of structure(s) from off site, due to placement (or absence) of permanent screening;
- f. Elevation of the lot, compared with the elevation(s) of abutting street(s) and/or other properties;
- g. In fill lot or a lot adjacent to an established subdivision;
- h. Slope or grade of lot, in relation to abutting streets.

SFR2.7 Although the maximum height for any structure is set by the Zoning Ordinance at thirty-five feet, a lower height may be required, based on the special circumstances of an individual lot.

- SFR2.8 Conscious efforts should be made to recognize building security as a design element in new construction.
- SFR2.9 Any blank wall that is without windows and is more than 15 feet long or 180 square feet in area, whichever is less, should have special design treatment.
- SFR2.10 The overall height of the deck skirt<sup>1</sup> should not exceed six feet, except for cantilevered decks from the second story. The maximum height for exposed posts supporting a ground level deck should be four feet where visible from off site.
- SFR2.11 The following requirements specifically address skirt height treatment, when any portion of the skirt is visible off-site:
- a. Skirt heights of four feet or less need no special treatments;
  - b. Skirt heights between four and six feet shall receive special treatment, such as water table trim, other patterns or different surface treatment which could include other building materials, all consistent with the overall architectural concept;
  - c. The visible portion of a concrete footing or grade beam shall not exceed twelve inches above the lowest adjacent ground surface;
  - d. No skirt height that is greater than six feet shall be visible off-site.
- SFR2.12 Decks that require special consideration due to the topography and hillside design of the home, which includes decks from the first and second floor of the residences. Such decks should comply with the following standards:
- a. Decks that exceed 6 feet in height shall be substantially screened by landscaping. The Design Review Board may require the property owner to enter into a landscape installation and maintenance agreement with the Town.
  - b. Landscaping shall mitigate the visual impact of a deck as viewed from adjacent neighbors.
  - c. Support posts should be setback from the face of the deck to minimize the height of posts and provide visual relief.
  - d. Diagonal or cross bracing of support posts shall not be permitted.
  - e. Decks shall be consistent with the scale and design of the home.
- SFR2.13 The design of the mailbox should complement the style and materials of the principal building on the site.
- SFR2.14 Roof leader drains shall be routed through a biofilter, sand filter, or plant box.

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<sup>1</sup> "Skirt height" is defined as the distance between the finished floor and the ground.

## **9 THOUGHTFULLY DESIGN MULTI-FAMILY RESIDENTIAL DEVELOPMENTS (MFR)**

Multi-family developments should be centrally located, well designed, and appropriate to Moraga's semi-rural character.

### **MFR1 MULTI-FAMILY RESIDENTIAL SITE PLANNING**

- MFR1.1 A harmonious design relationship should be achieved between existing and proposed adjoining developments by avoiding both excessive variety and monotonous repetition.
- MFR1.2 Storage yards, parking areas, service areas, and other ground-level paved areas should be screened from off-site views by perimeter and tree canopy planting.
- MFR1.3 Permanent trash enclosures should be located and designed to be in architectural harmony with the principal structures on the site. Exterior trash and storage areas, service yards, loading docks, and ramps should be screened from the view of all nearby streets and adjacent structures. Infiltration shall be avoided for all outdoor work or storage areas, such as loading docks, fueling areas, car or equipment washes, and garbage receptacles. All runoff from these areas shall be concentrated and routed to the sanitary sewer. Outdoor work areas shall have a perimeter berm to prevent stormwater inflows. Outdoor garbage receptacles (trash cans and dumpsters) shall be housed under a roof or other covered structure.
- MFR1.4 Air conditioning units and associated electrical and plumbing service connections should be screened by parapets, walls, fences, or other approved screening.
- MFR1.5 Utility transformers that are outside the public right-of-way should be placed underground and adequate access should be provided for proper maintenance. Any exception, proposing an above ground installation, must include adequate screening so as not to be viewable from the scenic corridor or other prominent public view and must be approved by the Planning Commission.
- MFR1.6 Multi-family housing developments shall provide adequate parking for residents and visitors. Parking lots shall be designed to make efficient use of space. Parking lot locations at the side or rear are encouraged.
- MFR1.7 New multi-family developments shall be situated near commercial centers, transit stops, parks, and schools. Public entry points shall be located close to the sidewalk to create a more pedestrian-oriented development.
- MFR1.8 Private and shared outdoor open space shall be provided for residents in new multi-family residential developments. This outdoor space should accommodate play areas for children and pets, picnic and barbeque facilities, and a visually appealing environment.

### **MFR2 MULTI-FAMILY RESIDENTIAL BUILDING DESIGN**

- MFR2.1 Mechanical and electrical equipment, including rooftop units, should be designed as an integral part of the building or site design and be properly screened.

- MFR2.2 Exterior wall venting should complement the building design.
- MFR2.3 Roof penetrations should be visually minimized.
- MFR2.4 Roof leader drains shall be routed through a biofilter, sand filter, or plant box.
- MFR2.5 Accessory equipment capable of generating noise and vibrations should be properly insulated and the noise and vibrations should not be apparent from adjacent properties or the public right of way.
- MFR2.6 Large building masses should be avoided.
- MFR2.7 Architectural style should reflect and enhance the character of surrounding neighborhoods.

## 10 PROMOTE COMMERCIAL CENTERS AS COMMUNITY PLACES (CC)

High quality commercial districts should serve as important community focal points, gathering places, and activity centers.

### CC1 COMMERCIAL SITE PLANNING

- CC1.1 A harmonious design relationship should be achieved between existing and proposed adjoining developments by avoiding both excessive variety and monotonous repetition.
- CC1.2 Storage yards, parking areas, service areas, and other ground-level paved areas should be screened from off-site views by perimeter and tree canopy planting.
- CC1.3 Permanent trash enclosures should be located and designed to be in architectural harmony with the principal structures on the site. Exterior trash and storage areas, service yards, loading docks, and ramps should be screened from the view of all nearby streets and adjacent structures. Infiltration shall be avoided for all outdoor work or storage areas, such as loading docks, fueling areas, and garbage receptacles. All runoff from these areas shall be directed to the storm drain system and the operations from these areas shall be conducted to prevent stormwater from becoming contaminated. If stormwater contamination cannot be prevented from the operations in these areas, they shall be connected to the sanitary sewer and effective engineering controls shall be used to ensure that no stormwater is discharged to the sanitary sewer system (e.g. roof over the process area, engineered diversion valve between the sanitary sewer system and storm drain system). The connection to the sanitary sewer system from these areas shall have the necessary pretreatment equipment to meet Central Contra Costa Sanitary District's standards (e.g. grease or oil/sand interceptor). Outdoor work areas shall have a perimeter berm to prevent stormwater inflows. Outdoor garbage receptacles (trash cans and dumpsters) shall be housed under a roof or other covered structure.
- CC1.4 Air conditioning units and associated electrical and plumbing service connections should be screened by parapets, walls, fences, or other approved screening.
- CC1.5 Utility transformers that are outside the public right-of-way shall be placed underground and adequate access shall be provided for proper maintenance. Any exception, proposing an above ground installation, must include adequate screening so as not to be viewable from the scenic corridor or other prominent public view and must be approved by the Planning Commission.
- CC1.6 Benches and other seating should be provided for the public at commercial centers. Attractive landscaping should be maintained around these seating areas to create an inviting social environment within the shopping district.
- CC1.7 Commercial centers should maintain a high level of pedestrian-oriented amenities, including:
- a. Sidewalks along storefronts and around the perimeter of the commercial center and between retail and office uses, ensuring a safe path for pedestrians around the center and to/from transit stops;
  - b. Safe walkways through parking lots that use different paving materials to differentiate between parking and pedestrian areas;

- c. Clearly-marked crosswalks at appropriate locations in parking lots to allow pedestrian traffic to safely move through vehicle paths;
- d. Permanent bicycle racks, benches, recycling and trash receptacles; and
- e. Landscaping with flowering species and shade trees for summer months.

## **CC2 COMMERCIAL BUILDING DESIGN**

- CC2.1 Mechanical and electrical equipment, including rooftop units, should be designed as an integral part of the building or site design and be properly screened.
- CC2.2 Exterior wall venting should be avoided.
- CC2.3 Roof penetrations should be minimized by grouping plumbing vents and ducts together and providing adequate screening from off site.
- CC2.4 Roof leader drains shall be routed through a biofilter, sand filter, or plant box.
- CC2.5 Accessory equipment capable of generating noise and vibrations should be properly insulated and the noise and vibrations shall not be apparent from adjacent properties or the public right of way.
- CC2.6 Large building masses should be avoided. Building setbacks may be varied to accommodate pedestrian-oriented facilities such as benches, café tables, and bike racks. Parking lot locations at the side or rear are encouraged. Entrances should be located close to the sidewalk to create a more pedestrian-oriented development.
- CC2.7 Architectural style should reflect and enhance the character of surrounding neighborhoods.

## CC3 SIGNS

- CC3.1 All signs should be related to their surroundings in terms of size, shape, color, texture, and lighting so that they are complimentary to the overall design and not in competition with other signs in the area.
- CC3.2 Signs should be subtle and unobtrusive, conveying their message in a clear and legible fashion, and should be vandal- and weather-resistant.
- CC3.3 External spot or flood sign lighting shall be arranged so that the light source is screened from view, and so that the light is directed against the sign and does not shine onto adjacent property nor into the eyes of motorists or pedestrians.
- CC3.4 Lighted signs, whether internally or externally illuminated, should be avoided, except where found to be necessary for location or identification, or as otherwise deemed appropriate by these guidelines.
- CC3.5 Decorative product type signs, such as beer signs and informative type signs used for purposes of interior design only, are termed non-accessory signs. Such signs shall be erected only within the business establishment and shall be located no closer to an exterior window or open doorway than 6 feet.
- CC3.6 All lighted accessory signs (primarily business identification signs) whether or not neon, shall be submitted to the Design Review Board for approval and shall be in conformity with any approved sign and design policy for the center, building complex or area.
- CC3.7 Exposed neon tubing, whether for signing or decoration, is not normally considered in good taste for exterior display and is discouraged.
- CC3.8 Freestanding signs shall be integrated with the site plan and low level floodlights shall be screened.
- CC3.9 Struts, braces, kickbacks or guy wires to support signing should be avoided unless they are a feature of the design.
- CC3.10 Whenever site and visibility conditions allow, freestanding signs should be of a low profile.
- CC3.11 Tenant signs within the Rheem Shopping Center shall follow a uniform signing program, in accordance with these standards:
- a. A "major tenant" is defined as an occupant of 10,000 square feet or more. All "major tenant" signs shall be approved by the Design Review Board and shall have the following characteristics:
    - i. The sign shall be constructed with a redwood frame (trim) and with redwood faces front and back. It may be internally illuminated using the tenant's standard corporate/company logo. The wood trim and rear face shall be stained to match the standard shopping center stain (Olympic stain no. 913). The redwood face containing the sign copy shall be stained to match Olympic stain no. 707.
    - ii. No sign shall exceed two hundred square feet in total area.

- iii. Signs shall normally be affixed below the roof ridgeline and may be attached to the fascia of the building. Specific details of attachment shall be as approved by the Design Review Board.
  - iv. No sign face shall exceed 4 feet, 6 inches in height.
  - v. Signs shall not be illuminated when the tenants are not open for business.
- b. Signing for other than major tenants:
- i. Basic criteria: The tenant identification on the sign board provided below the leading edge of the canopy and visible to the front of the building will utilize individual, raised, non-illuminated gold-leafed letters (8", Century Schoolbook, medium type) on the first line of copy and white letters (4" Helvetica type) on the second copy, if any.
  - ii. Basic size: Thickness----4 inches; Height----14 inches; Width----36 inches. Although other shapes may differ from basic dimensions, total area may not exceed five square feet per side.
  - iii. Construction standards:
    - 1) Constructed of laminated, vertical, 2"x4" clear, kiln-dried redwood
    - 2) Reinforced with two 3/8" threaded steel rods
    - 3) 3" outside borders sandblasted
    - 4) Copy, border bank, logo art, etc. raised with background hand carved out one full inch
    - 5) Sandblasted borders sealed with clear sealer
    - 6) Background area sealed with two coats of semi-gloss Varathane
    - 7) Border band flat white
  - iv. "Halo-type" lighted gold-leaf signs may be "back-lighted" in accordance with official exhibit approved by the Planning Commission on 4/19/82 and attached to Resolution 49-81. All halo-type signs shall have a front setback of not less than 50 feet and shall be subject to design review by the Design Review Board to assure design compatibility with the use that the sign is identifying as well as neighboring uses.
- c. Accessory and other miscellaneous signs required shall be approved by the Board, consistent with the overall general sign design theme for the center.
- d. Non-conforming signs shall be changed so as to conform as new leases are negotiated and/or tenants replaced.

# **11. MORAGA CENTER SPECIFIC PLAN DESIGN GUIDELINES**

## **1.0 INTRODUCTION**

### **1.1 Purpose, Intent, and Organization**

This section is presented to guide the aesthetic nature of development within the Moraga Center Specific Plan (MCSP), adding design guidance to the development standards presented in the Land Use Element of this Specific Plan, which guide bulk, height, and mass.

The MCSP Guidelines establish a range of encouraged design approaches while allowing for flexibility and innovation. As projects within the MCSP are developed, the MCSP Guidelines will assist the Town of Moraga in evaluating their conformance with the objectives and design vision of the Specific Plan. These guidelines are designed to provide the Town of Moraga with the necessary assurance that the Specific Plan area will develop in accordance with the high quality and lasting character proposed herein; to guide developers in determining what is appropriate in character and quality for the Town of Moraga; and to assist the Town in evaluating proposals for development.

Images provided within this document depict examples of preferred architectural character selected by citizens of Moraga during a community meeting led by Town consultants. They are used to generally describe preferred arrangements of bulk and mass, use of materials, landscape techniques, and overall design ideas.

After identifying areas of particular importance in relationship to the Design Philosophy presented in Chapter 1 of these Design Guidelines, the MCSP Guidelines will present Design Principles for each of the main MCSP land use categories: Residential, Community Commercial, Mixed Commercial/Residential/Office, and Suburban Office. Guidelines for architectural site features such as street lighting, benches, signage, walls, and fences will follow, and this document will conclude with guidelines for landscaping with the MCSP.

### **1.2 Consistency with Town of Moraga Design Philosophy**

Chapter 1 of these Design Guidelines presents eight guiding principles as a Design Philosophy for the Town. These are listed as follows:

- Maintain the Town's Semi-Rural Character (SRC)
- Protect Ridgelines and Hillside Areas (RH)
- Complement Existing Landscaping (L)
- Enhance the Town's Scenic Corridors (SC)
- Minimize the Impacts of Development (ID)
- Thoughtfully Design Single Family Residential Neighborhoods (SFR)
- Thoughtfully Design Multi-Family Residential Developments (MFR)
- Promote Commercial Centers as Community Places (CC)

In addition to considering the guidance presented in the Design Philosophy, the MCSP presents several unique opportunities to reinforce these eight principles. Any development proposals that will impact these areas should be given careful consideration to ensure that the most is made of these unique opportunities.

### **1.2.1 Maintain the Town’s Semi-Rural Character (SRC)**

The Village concept at the heart of the MCSP implies a mix of different types of activity and areas of higher density that help to support these activities and provide an active and vibrant Village atmosphere. The Village concept does *not* imply a loss of Semi-Rural Character. These two need not be mutually exclusive. However, certain steps can be taken to reinforce the Semi-Rural character as tantamount to the vision set forth in the MCSP.

Where allowed, vertical mixed-use can provide affordable housing, create a lively and active street environment, put people right in the heart of the Village, and use land much more efficiently than spreading out uses horizontally on a site by instead stacking one on top of another. However, many notions of vertical mixed-use conjure images of crowded city streets and neighborhoods with an industrial character. The following guidelines should be applied throughout the MCSP area to ensure that the Village remains appropriately semi-rural in character.

- A. Care should be taken to “soften” the effect of upper floors. Examples include using pitched roofs with dormer windows for top floors, increased setbacks applied to upper floors to create a “step-back” effect, upper-floor open spaces such as balconies or porches, and landscape treatments such as rooftop vegetation and adequate use of street trees.
- B. Streetscape and public space design should include the use of “semi-rural details,” with examples such as rolled curbs, curbless streets with bioswales, split rail fences, and the use of soft materials such as crushed gravel and irregular paving, where appropriate.
- C. The Moraga Ranch and the Laguna Creek Riparian Corridor run through the middle of the MCSP area. They should both be preserved and enhanced to provide semi-rural core landmark character defining elements visible from points throughout the plan area.

### **1.2.2 Protect Ridgelines and Hillside Areas (RH)**

Care should be taken to maintain low visual profiles for lower density buildings on hill sites, reserving the flattest areas within the MCSP for higher densities. Cluster zoning techniques will allow a certain average density across a large plan area. Within this area, individual projects can be allowed to build densities higher than the allowable average in exchange for areas that remain free from development. When applied, the remaining undeveloped open space areas should be designed to remain publicly accessible and be clearly marked to provide recreational opportunities in the form of trails, greenways, and pocket parks to serve the entire community.

### **1.2.3 Complement Existing Landscaping (L)**

The existing landscape in the MCSP is dominated by the Laguna Creek Riparian Zone and orchard trees planted throughout, both of which help to frame the semi-rural context of the MCSP zone. To complement the existing landscape within the MCSP, drainageways should be designed as open channel bioswales that reflect natural topographic profiles, creating an opportunity for native species plantings to run throughout the community and connect to the Laguna Creek corridor, as well as employing visible green strategies for treating storm water. To reflect the historical context of orchard use, the use of both organic fruiting and non-fruiting orchard species planted in linear arrangements is encouraged for buffer areas and within public parks.

#### **1.2.4 Enhance the Town's Scenic Corridors (SC)**

Moraga Road and Moraga Way, two of the town's major scenic corridors, play pivotal roles in the circulation concept through the MCSP. In addition to guidelines presented in this document for scenic corridor enhancements, the Town's 2006 Transportation Corridor Streetscape Plan presents specific design approaches. However, the Village character and development intensity being proposed in parts of the MCSP will result in buildings oriented toward the street, not just located adjacent to it. In these areas, planting and paving treatments that respect setback requirements but create a pedestrian streetscape rather than greenbelt, may be appropriate.

In all contexts, the importance of Scenic Corridors should be enhanced as important organizing elements within the MCSP area. Special landscaping, signs, lighting, and other streetscape design techniques should be used along streets to announce gateways into the Town and into the MCSP area.

#### **1.2.5 Minimize the Impacts of Development (ID)**

The most significant impacts in the MCSP are those generated by non-residential uses that affect residential areas. Items such as traffic and parking, noise, debris, light and glare, and visual impact should be given special consideration due to the close proximity of residential and non-residential uses within the MCSP, with special consideration being given to residential mixed use development.

In all areas of the MCSP, the use of green building techniques and sustainable development is encouraged, building on the success of sustainable reconstruction of the historic Moraga Barn. Strategies to employ sustainable site design, water efficiency, energy reduction, and the use of sustainable materials and resources should be used when possible. For further guidance on specific design measures to mitigate impacts of development, please see the following section dealing with General Plan EIR mitigation measures.

#### **1.2.6 Thoughtfully Design Single Family Residential Neighborhoods (SFR)**

Single family residential neighborhoods in the MCSP will be some of the closest such dwellings to an area of commercial activity in Moraga, providing a unique opportunity for these Moraga residents to walk rather than drive for many of their daily trips. These neighborhoods should be designed with high-quality pedestrian environments with sidewalks and pathways to adjacent neighborhoods and the Moraga Center to encourage walking as a primary mode of transportation.

#### **1.2.7 Thoughtfully Design Multi-Family Residential Developments (MFR)**

Multi-family residential developments in the MCSP will result in a high concentration of residents in close proximity to the Moraga Center. This provides Moraga Center businesses with an opportunity to attract new customers and increase sales. These developments should be designed with high-quality pedestrian environments with sidewalks and pathways to adjacent neighborhoods and the Moraga Center to encourage walking as a primary mode of transportation for local shopping trips.

### **1.2.8 Promote Commercial Centers as Community Places (CC)**

A community place should be inviting and comfortable, providing Moraga residents with a place to linger, stroll, and interact. Special attention should be given to creating a high-quality pedestrian environment through the use of pedestrian amenities such as seating, lighting, and signage; plaza areas; and outdoor café spaces. Through traffic and parking lot access should be directed away from main pedestrian areas, while diagonal on-street parking should be used in pedestrian areas to create an adequate buffer between the sidewalk and the roadway. To further enhance the sense of community in the Moraga Center, designs are encouraged to include a maximum amount of mixing of uses, to include retail, office and residential uses. In addition, commercial centers should include bicycle-friendly design strategies that enhance the direct access to the Lafayette- Moraga Regional Trail.

### **1.3 Design Consistency with General Plan EIR Mitigation Measures**

The following general design strategies should be employed where appropriate to mitigate the impacts of development within the MCSP area and on adjacent neighborhoods.

#### **1.3.1 Traffic and Parking**

- A. On-site parking should be designed to handle maximum demand.
- B. Access points to parking areas and areas of heavier traffic should be located to direct traffic away from all residential areas.

#### **1.3.2 Noise**

- C. Use of berms, sound walls, and additional setbacks along residential property lines is encouraged.
- D. Delivery and service areas should be enclosed and located away from all residential areas and pedestrian paths, plazas, and sidewalks.
- E. External vents and mechanical equipment should be enclosed and fully screened from view and should be directed away from residential uses and pedestrian paths, plazas, and sidewalks.
- F. Nighttime uses such as ATM machines should be oriented away from residential uses.
- G. Active recreational areas and their related service areas should be located away from lower density residential areas.
- H. Primary parking areas and building entrances should be located away from lower density residential areas.

#### **1.3.3 Debris and Odor**

- I. Service entrances and waste disposal facilities (trash, recycling, dumpsters) should be enclosed and fully screened from view and oriented away from all residential areas.
- J. Six foot “good neighbor” fencing should be provided along side and rear residential property lines.

### **1.3.4 Light and Glare**

- K. Light sources should be shielded and directed away from interior living spaces of all residential areas.
- L. Illuminated signs should be oriented away from interior living spaces of all residential uses. Ground signs should be used rather than pole signs.

### **1.3.5 Visual Impacts**

- M. Full landscape plantings should be provided to “line-of-sight” levels to screen views from residential properties into other use areas.
- N. Building scale and massing should be compatible with surrounding uses. Higher intensity uses and larger building scale and mass are appropriate in the Moraga Center, and should transition down to be compatible with the existing building scale and mass in adjacent areas.
- O. Unobstructed view corridors from adjacent areas with views of significant topographic features such as ridgelines should be maintained.

## **1.4 Procedural Considerations**

Please refer to Chapter 2 of these Design Guidelines for information regarding the implementation of the MCSP Guidelines and the Design Review Process.



## 2.0 RESIDENTIAL

The primary aim of design guidelines for residential areas within the MCSP is to create pedestrian friendly, coherent, and attractive neighborhoods that fit into the context of surrounding character of Moraga. Residential areas should support a variety of residential types and densities that all achieve the same high quality design standard, regardless of the specific building type or density.

### 2.1 Site Design

#### 2.1.1 Circulation Patterns

Circulation patterns should define community character, provide links to recreational amenities, and encourage interaction between neighbors.

- A. Neighborhood patterns should allow residents to easily walk or bike through the neighborhood.
- B. Neighborhood patterns should be designed to work with and preserve topographic and natural features.

#### 2.1.2 Streets

Neighborhood Streets should be designed to provide safe and convenient access for vehicles and pedestrians. Streets should provide attractive designs where the composition of street, landscaping, sidewalks, and private front yards define a common space in which residents and visitors can walk, meet, play, and socialize. Street patterns should interconnect and encourage easy access from one neighborhood to another while discouraging high speed travel.

- A. Cul-de-sacs should be open ended and adjacent to open space or other recreational amenities such as parks where possible.
- B. Closed cul-de-sacs of homes should not back onto open space or parks.

- C. Long stretches of homes should not back onto neighborhood collectors or open space amenities such as parks or paseos.
- D. Inappropriate street termination points should be avoided. Examples include bedroom windows vulnerable to headlights, alleys, or other parking areas.

## **2.2 Architecture**

### **2.2.1 Cohesive Neighborhood Design**

Open relationships between neighborhoods should be maintained while still allowing for market differentiation.

- A. Signature detailing should establish the community's architectural character in form, color, and materials.
- B. Abruptly disharmonious and monolithic architectural style, color, and material should not be used.

### **2.2.2 Streetscapes**

Building relationships and groupings should be designed to create streetscapes that demonstrate variety and individuality to contribute to a positive sense of place.

- A. Building heights should vary along streets.
- B. Setbacks should vary along streets.
- C. Uniform and repetitive facades that present a monolithic form of development should be avoided.
- D. Window placement and building siting should not violate the privacy of a adjacent private yards.

### **2.2.3 Garages and Driveways**

Important in the creation of pedestrian oriented neighborhoods is lessening the impact of garage doors.

- A. Plans should provide garages pushed to the rear of the lot or accessed from alleys.
- B. Driveway pavement should be reduced to the minimum functional width. The use of permeable materials for driveways is encouraged.
- C. Planting pockets should be used between adjacent garage doors.
- D. Living space should be forward of the garage setback.
- E. Unadorned street-facing garages should not be forward of living areas.

## 2.2.4 Building Articulation

Visual interest in the streetscape should be created through building articulation and variation of building forms.

- A. Strong vertical accents and varied wall plane lines are encouraged.
- B. Building forms should be appropriate to their style.
- C. Use of balconies, verandas, porches, and arcades visible from the street is encouraged.
- D. Front porches should be sufficiently sized to allow for functional use.
- E. Where topography allows, porches should be elevated above the street level.
- F. Use of repetitive, unarticulated building forms should not be allowed.
- G. Inappropriate mixing of styles should be avoided. (e.g., English half-timbering on 4:12 pitch roof should not be applied to a ranch style home.)
- H. Unarticulated roof forms should not be set on a constant wall plate height.

Equal concern should be given to side elevations on corner lots and rear elevations where visible from public areas and neighboring areas. All “public” faces should be articulated.

- I. Articulation, materials, and architectural details should wrap around corners to sides and rears of homes where visible.
- J. Unadorned flat side and rear elevations should not face onto open space areas and streets.
- K. Wrapping porch elements around the corners of buildings is encouraged on corner lots.
- L. Side elevations that face a public street should be enhanced with additional windows, pop-outs or bays, chimneys, stepped rooflines, or balconies, as appropriate.

## 2.2.5 Entries

Entries should be given special attention as a whole system including the door, side windows, porch, and entry wall.

- A. Entries should be inviting from the street.
- B. Adequate protection from wind, rain, and sun should be provided at building entries.
- C. Where homes occur on corners, wrapping of entry elements around the side is encouraged.
- D. Sectional garage doors should have appropriate articulation, such as panel detailing or window panels, and be recessed into the building plane.

## 2.2.6 Details and Materials

Details and materials should be appropriate to the architectural style of the building. Appropriate and well thought out detailing should enhance the perception of a project’s quality.

- A. Gutters, downspouts, and rainwater leader heads should be integral to the roof and wall detailing and should be designed as part of the trim.
- B. Roofing materials should be appropriate to their related style and pitch.
- C. Homes should have a color palette that at a minimum includes a body color, trim color, and accent color.



### 3.0 COMMUNITY COMMERCIAL

The retail areas of the Moraga Center Specific Plan are important in establishing long term successful retail relationships with the surrounding community.

Retail buildings should provide a contemporary design sensibility that reflects the eclectic architectural context of Moraga. Building forms should be articulated with pedestrian scaled storefronts and a sidewalk oriented retail presence that creates the desired Village character. Also refer to the section on Mixed Commercial/Residential/Office for additional design guidance.

#### 3.1 Site Design

##### 3.1.1 Pedestrian Orientation

Consistent with the Town’s principle to promote commercial centers as community places, a primary focus for site design of Community Commercial areas should emphasize creating comfortable spaces for pedestrians.

- A. Community Commercial areas should be designed to be both bicycle and pedestrian friendly.
- B. Pedestrian scaled lighting fixtures should be provided.
- C. Strong pedestrian connections should be provided from surrounding neighborhoods to the Moraga Center.
- D. Outdoor seating should be provided to include both sunny and sheltered areas.
- E. Both paved and planted areas should be incorporated into the design.
- F. Significant intersections and pedestrian routes across parking areas should be highlighted with bollards, special paving, accent trees.
- G. Focal points should be used to provide central opportunities for public art.

## **3.2 Architecture**

### **3.2.1 Building Design**

Building forms should generate interest through strong and simple forms, colors, and materials. All building facades visible from public areas should employ the same high level of articulation and quality of details and materials as the front elevation of the building.

A composition of distinct but related forms should be used for overall massing.

- A. Depth and variation along the elevation may be accomplished with projected and recessed wall sections or with colonnades to establish a varying sense of physical movement.
- B. Exterior first floor facing facades along major corridors shall be primarily designed to with minimum of 60% or more transparent glazing to create a strong pedestrian facing façade along the street. The majority of street frontages should be designed for active uses in the floor plan.
- C. Street façade entrances shall be prominent with a pedestrian entry designed to protect from weather elements.
- D. Encase fenestration by a minimum of two foot base at grade.
- E. Where long expanses of blank wall are unavoidable, they should be articulated and softened with changes and relief in wall planes, material changes or landscaping such as three dimensional details, planters, vines, and other landscaping.
- F. Buildings should incorporate three dimensional façade elements that lend a pedestrian scale to the street level.
- G. Main entries should be easily identifiable.

Roof design should be integral to the overall building design.

- H. Structures should feature a variety of roof designs and wall projections to visually break up the building mass.
- I. Roof heights may vary and roof forms may include traditional pitch roofs, shed roofs, and gable forms for creating visual movement along the elevations.
- J. Rooftop mechanical equipment should be screened from view to complement the principle building in terms of quality of materials and colors.

### **3.2.1 Materials**

Materials should be appropriate to the building's style and character and suited to commercial construction.

- A. Use of materials such as shingle, lap siding, stucco, masonry, storefront glazing, and well-detailed concrete is encouraged.
- B. Accent materials such as brick, stone, tile, and anodized or patinaed metals are encouraged.
- C. Any changes in materials should occur at inside corners, at a natural break point or a minimum of 4 feet from where the building plane changes direction.
- D. Mirror glazing should not be used.

### **3.2.3 Other Considerations.**

For retail tenants, the Moraga Center is Specific Plan recognizes the importance of tenant identity and that tenant identity is often integral with the elevations or form of a particular building. Any modification and/or customization of a building(s) and/or building elevation(s) should occur within the overall character and context of these MCSP Guidelines and of the approved architecture and site plans.

Any changes to a building(s) and/or building elevation(s) for any land use submitted after Administrative Design Review or approval by the Design Review Board should be reviewed and approved administratively when appropriate. When staff deems that there has been too great a modification to plans previously recommended for approval by the DRB, and approved by the Planning Commission and/or Town Council, then the particular proposal shall be re-submitted for review and approval.



#### 4.0 MIXED COMMERCIAL / RESIDENTIAL / OFFICE

Mixed use areas within the MCSP should be a unique combination of different land uses, including but not limited to retail, residential, office, commercial, service, entertainment, and recreation. This blending of uses creates an energy to the urban fabric with distinct yet connected public open spaces, linking the School Street retail area, the Moraga Ranch main lawn, and existing and enhanced open spaces within the Moraga Center to formal and informal pedestrian spaces throughout the plan area.

The School Street “main street” character is intended to create a focal point for the new village at the heart of the MCSP, creating a gathering place that has the potential to be a gathering place for formal events and gatherings such as the weekly farmers’ market or arts and crafts exhibitions while also providing for comfortable, intimate places to pause and rest. Please also see the section on Community Commercial for additional design guidance.

#### 4.1 Site Design

##### 4.1.1 Pedestrian Orientation

Consistent with the Town’s principle to promote commercial centers as community places, a primary focus for site design of Mixed Commercial/Residential/Office areas should emphasize creating comfortable spaces for pedestrians. Please refer to Community Commercial section for general site design considerations. Specific to the Mixed Commercial/Residential/Office land use classification, use of multi-story mixed use buildings with storefronts, awnings, and ample landscaping is encouraged to create a greater sense of street enclosure where people are comfortable walking and spending time.

- A. Mixed Commercial/Residential/Office areas should be designed to be both bicycle and pedestrian friendly.
- B. Provide for a mix of sizes of businesses to create a pedestrian friendly atmosphere that provides diverse retail components.
- C. Use of trellises, awnings, and other weather protection devices is encouraged.

Plazas and other outdoor seating areas should be provided to create gathering places for residents and visitors in order to enhance a village atmosphere.

- D. Focal points should be created with features such as fountains, a clock tower, outdoor performance and gathering areas, or opportunities for public art.
- E. A generous amount of outdoor seating should be provided and should include both sunny and sheltered areas.
- F. Both hard surface and planted areas should be incorporated into the design.
- G. Colored, decorative paving patterns should be used at special focal points.

#### **4.1.2 Street Furnishings**

Creating comfortable streets and pedestrian spaces is an important part of the crafting the Village environment. These areas should be furnished with enriched materials and furnishings that create a comfortable, convenient, and entertaining experience. With the exception of features created as public art, the furnishings should be in a similar family of style color, and finish to create a refined and uncluttered appearance.

- A. Formal seating areas should be provided, using benches, tables, and chairs. To create interesting public spaces, the use of concrete seat walls and steps to create informal seating at raised planters, steps, and benches cast into the plaza areas is also encouraged.
- B. Newspaper racks should be of one cohesive design and integrated into the landscape design.
- C. Bicycle parking and utilities should be integrated into the landscape design to place these elements where they are needed in a discreet manner.
- D. Bollards may be placed to provide separation between auto and pedestrian crossings.
- E. Trash and ash receptacles should be placed at convenient locations to help keep these areas clean.

#### **4.2 Architecture**

The goal of the Mixed Commercial/Residential/Office architecture is to create a character which is distinctive and memorable. The architecture should be inspired by classic Village architecture as well as semi-rural design sensibility in a restrained modernist vocabulary.

##### **4.2.1 Building Design**

All building facades visible from public areas should employ the same high level of articulation and quality of details and materials as the front elevation of the building.

- A. Where long expanses of blank wall are unavoidable, they should be articulated and softened with three dimensional details, planters, vines, and other landscaping.
- B. A composition of distinct but related forms should be used.
- C. Loading and service areas should be integrated into the overall building composition.
- D. Architectural enclosures should be designed as integral elements of the building architecture.
- E. Use of long, unbroken forms and flat planes is discouraged.

Public street facing facades would incorporate three dimensional façade elements that lend a pedestrian scale to the street level.

- F. Trellises or permanent awnings should be occasionally incorporated where appropriate to protect sidewalks and plaza areas from the elements.
- G. Use of arcades, wide overhangs, and deep reveals is encouraged.
- H. Main entries should be easily identifiable.
- I. Flat, unarticulated wall planes should not be used.

Roof design shall be integral to the overall building design.

- J. Parapets shall screen rooftop mechanical equipment from view.
- K. Tower elements should be included at key locations (entries, corners) to provide points of interest along the street.
- L. Uniform rooflines should be avoided by varying heights of adjacent buildings or storefronts.

#### **4.2.2 Materials**

Materials should be appropriate to the building's style and character and should be suited to commercial construction.

- A. Use of Materials such as shingle, lap siding, stucco, masonry, storefront glazing, and well-detailed concrete is encouraged.
- B. Accent materials such as brick, stone, tile, and anodized or patinaed metals are encouraged.
- C. Any changes in materials should occur at inside corners where the building plane changes direction.
- D. Mirror glazing should not be used.

## **5.0 SUBURBAN OFFICE**

The Suburban Office land use classification seeks to provide an employment base for the Town of Moraga in a quality environment. As an integral part of the community, it is important to maintain the quality of the character established throughout the rest of the MCSP.

### **5.1 Site Design**

#### **5.1.1 Pedestrian Orientation**

Suburban Office development should provide for an employment environment where people are comfortable walking between buildings and parking areas, and with strong pedestrian connections to the rest of the community.

- A. Suburban Office areas should be designed to be both bicycle and pedestrian friendly.
- B. Pedestrian paths and walks should be lined with trees. Trees should also be used to create separation between pedestrian paths and parking areas.
- C. Pedestrian scaled lighting fixtures should be provided along internal walkways.
- D. There should be provision of street furniture including bus shelters, trash receptacles, and bicycle racks.
- E. Special paving should be used at key pedestrian and vehicular intersections.
- F. Loading and service areas should be screened from view and not be visible from public streets.
- G. Architectural enclosures should be designed as integral elements of the building architecture.

### **5.2 Architecture**

#### **5.2.1 Building Design**

Building design should create a quality character of architecture that is both aesthetically pleasing and functionally efficient, and allows for flexibility over time. Public street facing facades of all buildings should have the same level of articulation and quality of details and materials as the “public front” of the building.

- A. A composition of distinct but related forms should be used.
- B. Roof heights may vary.
- C. Main entries should be easily identifiable.
- D. Flat, unarticulated wall planes should not be used.
- E. Roof design should be integral to the overall building design.
- F. Rooftop mechanical equipment should be screened from view.
- G. Superficial roof forms or roof forms that appear to be tacked on should not be used.

#### **5.2.2 Details and Materials**

Details and materials should be appropriate to the building’s style and character and suited to commercial construction.

- A. Use of materials such as stucco, masonry, storefront glazing, and well detailed concrete is encouraged.

- B. Accent materials such as brick, stone, tile, glass block, and anodized or patinaed metals should be used.
- C. Mirror glazing should not be used.

## **6.0 SITE FEATURES**

The use of accessory site elements such as lamp posts, signage, walls, and fences greatly contribute to the overall feel of a community. In addition, these elements contribute to the safety, comfort, and legibility of a community, therefore having the dual role of being functional and aesthetic at the same time. Site features used in the MCSP area should be of a similar character to contribute to a cohesive community aesthetic that preserves the semi-rural context and character of the Town.

### **6.1 Lighting**

The goal for the lighting guidelines is to provide a comfortable level of illumination that meets the community's needs for orientation and safety in a way that complements the aesthetic qualities of the architecture and the semi-rural character of Moraga.

#### **6.1.1 General Considerations**

Lighting design should be energy efficient, to create a better quality of life, an improved aesthetic, and preserve energy resources.

- A. High efficiency fixtures and sophisticated optics are encouraged to direct light where it is needed without creating excessive glare.
- B. Outdoor lighting should be related to the design of the structures and/or landscaping that it serves.
- C. Lights should be placed where they are needed for specific uses, rather than to a continuous foot-candle requirement, allowing for the appreciation of the dark sky in the residential neighborhoods and reducing the total number of fixtures and energy consumption. Wherever possible fixtures should carry approval of the International Dark Sky Association.
- D. Wherever possible, include motion- or light-detecting switches that will turn off lights when they are not needed.
- E. Use warm lighting (3,000 kelvin or lower).

Lighting should be shielded to avoid excessive and unnecessary glare.

- F. The use of uplights for buildings, trees, or signs is discouraged.
- G. All lighting shall comply with energy efficiency and other standards under State regulations.
- H. Outdoor light fixtures should be designed and mounted so that the source of light has minimal impact off site.
- I. Outdoor lighting should be directed inward toward the property and may require additional screening to avoid spillage onto adjacent residential properties.

#### **6.1.2 Village Lighting**

Centers of community activity should have street and plaza lighting consistent with the Community Commercial and Mixed Commercial/Residential/Office guidelines in order to maintain the continuity of design through these spaces.

- A. Light fixtures should be designed as an integral part of the streetscape with a spacing and pattern that complements tree plantings and other site furniture.
- B. Retail sidewalks and plazas should utilize a combination of decorative pedestrian scale pole

and bollard lights that complements the architectural style of the buildings.

- C. Use of wall mounted fixtures where appropriate on the building elevations is encouraged to supplement other forms of lighting and to complement the building architecture.
- D. Use of special lighting features is encouraged to further animate public spaces by encouraging nighttime use.
- E. Festive lighting such as string lights is encouraged in focal points of pedestrian activity such as plazas, outdoor seating areas, and special sidewalk zones.
- F. Light fixtures in retail areas should provide arms for banners to provide seasonal decorative opportunities and to add a festive quality to the Village environment.
- G. Parking areas should be lighted with high efficiency pole fixtures that provide an even distribution of light while minimizing glare. Lamps should be combined with sophisticated optics and sharp cut off features to direct all of the light to the ground.

### **6.1.3 Residential Lighting**

Lighting in residential areas should be provided at specific points of need in keeping with a semi- rural standard to reflect a quieter and more intimate setting in residential areas.

- A. Use of pole lights with a shielded light source and/or optics to direct the light down to the ground is encouraged so that the light source is not visible outside of the light distribution area.
- B. Light poles should be provided at street intersections and along pedestrian pathways to provide orientation and way finding within the community.
- C. Street identification signs and traffic control signs should be mounted on light poles to integrate these elements into the design and minimize the visual impact of poles and signs on the community.

#### **6.1.4 Open Space Lighting**

Lighting for parks should help characterize parks as an extension of pedestrian zones throughout the rest of the community and should provide the minimum ample lighting for safety, orientation, and way finding along the trails.

- A. The same pole lights used along streets should be placed in parks.
- B. Use of decorative pole lights along adjacent streets is encouraged to provide an amenity enhanced edge and increased illumination around park perimeters.
- C. Lighting should not be provided for active nighttime use of parks to discourage excessive light and noise to neighbors.
- D. Light sources should minimize glare through the use of side shields and cut off optics.
- E. No direct view to light sources should be visible from off site.
- F. Pedestrian pole light fixtures should complement the pattern of tree planting along paths, roads, and parking areas.
- G. Use of building mounted fixtures that match the pole lights is encouraged, as long as the fixtures are scaled appropriately for their location on the building.

#### **6.2 Signage**

Signage in the MCSP area should be functional and attractive and incorporate artistic elements when possible, using a high level of design, graphics and efficient maintenance.

##### **6.2.1 General Considerations**

- A. All signs should be related to their surroundings in terms of size, shape, color, texture, and lighting so that they are complementary to the overall design and not in competition with other signs in the area.
- B. Signs should be subtle and unobtrusive, conveying their message in a clear and legible fashion, and should be vandal- and weather-resistant.
- C. Wayfinding or directory signs may be placed at key locations to provide information and orientation for customers.
- D. Struts, braces, kickbacks, or guy wires to support signs should be avoided unless they are a feature of the design.
- E. Decorative product type signs, such as beer signs and informative type signs used for purposes of interior design only, are termed non-accessory signs. Such signs shall be erected only within the business establishment and shall be located no closer to an exterior window or open doorway than 6 feet.
- F. Use of internally illuminated signs and exposed neon tubing should be avoided.
- G. Illuminated signs should be halo-type reverse channel letters or screened, low level spot lights. External lighting sources should be screened from view and light should be directed against the sign so that it does not shine onto adjacent property nor into the eyes of motorists or pedestrians.

##### **6.2.2 Building Signs**

All building plans should provide a signage program so that they are an integral part of the building design.

- A. Use of reverse channel halo lit signs, pedestrian oriented blade signs, sculptured cantilevered signs, non-internally lit signs backed by building face or storefront are encouraged.
- B. Individual letter characters are encouraged.
- C. Metal signs may be made of aluminum, brass, bronze, copper, or stainless or welded steel.
- D. Signs are to be free of all labels and fabricator's advertising, except for those required by code.
- E. Logos or trademark displays may be used on signs.
- F. Building signs may be halo lit or use shielded gooseneck spot lights directed away from the sidewalk to reduce glare.

#### **6.2.4 Freestanding Monument Signs**

- A. Pole signs are not allowed.
- B. Freestanding signs should be of a low profile and integrated with the site plan.
- C. Accessory low level floodlights are allowed if properly screened from view.
- D. Color, materials, and fonts shall be integrated with the surrounding buildings, walls, or other construction and landscaping.

#### **6.2.4 Live/Work and Home Occupation Signs**

Accessory signs for home occupations should be unobtrusive and in character with residential neighborhoods rather than retail storefronts. Home occupations are encouraged in certain areas as opportunities for St. Mary's faculty housing and as an opportunity to provide sustainable practice for small businesses.

- A. Use of pedestrian oriented blade signs, sculptured cantilevered signs, and individually crafted plaque signs is encouraged.
- B. Signage is intended to be unique and original for each establishment and executed with a high degree of craftsmanship.
- C. Accessory signs in residential areas shall not exceed 2 square feet.

### **6.3 Walls and Fencing**

Walls and fences should be minimized to the greatest extent possible. For information about reducing the impact of site grading and retaining walls, please refer to Chapter 7 of these guidelines.

#### **6.3.1 Walls**

- A. Site walls should be made of materials complementary to the building architecture palette.
- B. Walls located in visually prominent areas should be decorative and faced with materials that are compatible with the surrounding natural environment and from local sources, whenever possible.
- C. Keystone and other interlocking masonry wall systems are encouraged in place of concrete retaining walls.
- D. Concrete retaining walls shall be allowed only where necessary for structural and spatial requirements and shall be heavily screened from view with plantings to minimize their visual

impact.

- E. Plantings should be utilized to minimize the visual impact of all retaining walls.

### **6.3.2 Fencing**

- A. Fencing materials and colors should complement adjacent architecture.
- B. Use of decorative fencing styles such as grape stake, picket, and split rail fences are encouraged in areas of high visual sensitivity.
- C. Use of a variety of traditional wood “good neighbor” style fences is allowed.

## **6.4 Site Furniture**

### **6.4.1 Street Furniture and Paving Treatment**

Streets and public spaces should be designed to be comfortable for pedestrians and emphasize pedestrian movement among and between various uses in MCSP area.

- A. Benches and seat walls should be incorporated into the streetscape to provide seating areas along pedestrian promenades.
- B. Ample bicycle parking areas and bicycle racks should be provided throughout the MCSP area.
- C. Seating areas should present both shady and sunny opportunities.
- D. Tree grates, bollards, and other site furniture should be used to help articulate the street edges and provide a pleasant separation between the automobile realm and the pedestrian realm.
- E. Where the automobile realm and the pedestrian realm overlap, clear priority should be given to the pedestrian in the form of accentuated paving, bollards, special crosswalk lighting, and other pedestrian features.
- F. The use of permeable concrete or permeable asphalt paving with score lines to reduce the scale of the pavement, or permeable interlocking pavers, is encouraged.
- G. Passageways between stores that lead to parking areas are particularly important and should be accentuated by architectural gateway elements, decorative paving and plantings, bollards, and seating courts with ample shade and weather protection.

### **6.4.2 Park Furniture and Paving Treatment**

Pedestrian promenades flow through parks as the primary pedestrian activity zone. They should be furnished with durable materials and equipment that will support a variety of play and recreation experiences. Wood, concrete, and galvanized or patinaed metal materials may be used where appropriate to achieve the best performance possible for the furnishings specified.

- A. Use of wood or recycled plastic planks and metal is encouraged for benches and picnic tables. Wood should be specified from sustainable sources.
- B. Barbecue grills should be cast into concrete footings and made of durable cast iron materials.
- C. Bollards should be used to separate pedestrian areas from vehicular pavement, and should be made of cast iron or natural wood posts.
- D. Wood fences may provide separation between parks and adjacent uses. Where front yards or streets face parks, use of post and rail or picket fences is encouraged. Where side or rear yards occur next to parks, “good neighbor” fences six feet in height should be used.

- E. Wood trellis structures may be used as shade structures. These should be built of oversized rough lumber with patinaed or galvanized hardware that matches the metal color palette.
- F. Cast in place concrete seat walls may be used where they provide the best material solution to the need. Walls should be formed and finished to provide comfortable seating elements that flow with the site geometry.

In addition to open lawn areas, park designs should provide for passive and active play environments for all ages and interests.

- G. All play experiences shall be designed to meet the access requirements addressed in the ADA codes and regulations.
- H. Use of play surfaces such as sand, recycled rubber pavement, and artificial turf that create different play experiences as well as increase safety and provide options for comfortable and heat resistant play surfaces is encouraged.
- I. Play structures should be composed of wood, plastic, or metal components to provide the most practical and appropriate material for the intended use. Galvanized metal components may be used where it provides the best wearing treatment for the use.
- J. Variation in colors and materials of play equipment is encouraged to create different identities for neighborhood parks. Brighter colors may be used selectively for interest, and color coordination with the color palette of the planting design is encouraged.
- K. Use of interactive public “play art” is encouraged. These elements should be painted in bright colors to add interest and playful energy to these spaces.

Selection of paving materials for parks should be based upon the nature of the traffic and the type of experience that is designed for the park.

- L. Use of crushed stone for the primary paving material in parks is encouraged.
- M. Use of integrally colored and natural gray concrete with decorative scoring and sandblasted patterns is encouraged for focal points of pedestrian activity.
- N. Where appropriate, asphalt paving, porous paving, and crushed stone paths should be used.
- O. Higher intensity multi-purpose paths shall be 12 feet wide with a center stripe and be made of natural gray concrete paving.
- P. Lower intensity bicycle paths shall be reinforced crushed stone paving.
- Q. Crushed stone, permeable concrete, and permeable paving stones should be used to reduce storm water runoff and to reduce the scale of parking areas.
- R. Enhanced paving should be used to articulate pedestrian crossings, buildings entrances, and site entrances that relate to parking areas.

## **7.0 LANDSCAPE**

Landscaped areas should be drought-tolerant, deer resistant, and appropriate for Moraga's chaparral landscape context.

### **7.1 Street Landscaping**

Street trees provide a significant landscape presence that enhances the experience of walking, riding, or driving through the MCSP neighborhoods. Street trees should be evergreen varieties which are well suited to the local environment and should be used to create a sense of continuous street enclosure and protection for pedestrian areas.

For landscape strategies specific to Scenic Corridors, please refer to Appendix B of these guidelines for a list of recommended trees and shrubs for scenic corridors. Street trees for community streets and bioswale areas should also be taken from this list. In addition, please refer to the Moraga Transportation Corridor Streetscape Plan for additional landscape design principles appropriate to street landscaping.

### **7.2 Residential Landscaping**

Planting designs should be appropriate for the local site and environmental conditions present in Moraga.

- A. Neighborhood plantings should have individual expressions of landscape design consistent with the architectural character of the homes.
- B. Street trees should be placed in landscape strips that separate the roadway from the sidewalk, which should also include drought tolerant shrub and groundcover plantings to encourage sidewalk use.
- C. Residential alleys should be planted with evergreen trees and shrubs to soften and complement the architectural design.
- D. At a minimum, planting pockets should occur at each property line along alleys.
- E. Pedestrian walkways that provide garden entries to homes along common paseos should be treated with ornamental trees and flowering shrubs to accentuate their pedestrian significance.

### **7.3 Commercial Landscaping**

The landscape design for commercial areas should provide a festive and dynamic environment for shopping and passive recreation.

- A. Planting design of storefronts and plaza areas should have individual expressions of landscape design consistent with the architectural design.
- B. Bold use of plant material in sweeping masses of layered color and texture is encouraged.
- C. Street trees should create a continuous canopy along streets.
- D. Trees planted along commercial streets should be planted in tree wells a minimum of 4 feet by 4 feet. Where diagonal parking or corner conditions permit additional landscape areas, trees should be complemented by flowering shrubs or other ornamental plants.
- E. The use of "soft" materials such as crushed rock is encouraged as a base in planting areas to enhance the semi-rural character of commercial areas.

Landscape treatments for parking areas should present a coherent planting theme that minimizes the impact of asphalt and automobile traffic.

- A. Pedestrian routes through parking areas should be clearly marked by features such as enhanced paving, pedestrian scaled light fixtures, bollards and enhanced tree canopies, and should lead directly to passageways between stores.
- B. Evergreen trees should be used to provide year-round parking lot tree coverage and to help reduce the impact of storm water runoff.
- C. Bioswales should be integrated into parking areas to improve the quality of storm water runoff and to allow infiltration of storm water into the subgrade. Curbs should have notched openings set flush or below the asphalt elevation to allow water flow into the bioswales.

#### **7.4 Open Space Landscaping**

Planting design in parks should have distinct variations in theme based upon the site context, use, and visual concept.

- A. Smaller parks and those in higher intensity use areas should be designed in a formal style.
- B. Larger parks and those in lower intensity of use areas and residential neighborhoods should include native plantings and landforms that have an informal character.
- C. Formal gardens that make use of bold plantings in sweeping masses of layered color and texture, and that create visual interest and ease of maintenance, are encouraged.

## **8.0 STREET DESIGN STANDARDS**

### **8.1 Street Design Standards**

- A. Continuity. The continuity of vehicular lanes, bicycle facilities, and public frontages should be considered in the design of streets.
- B. Topography. Streets that traverse steep slopes may need to incorporate design consideration for drainage facilities, additional width for bicycle lanes on the uphill side of the thoroughfare, and other slope-related issues. Streets should be located and designed to minimize the use of retaining walls, as feasible.
- C. Parking. The provision of parking on site or on the street may need to be considered in the selection of the appropriate thoroughfare type.
- D. Truck Access. Streets that provide access to high volumes of large trucks may need additional design considerations to mitigate potential negative effects on walkability.
- E. Bus and Transit Service. Streets that will serve as public transit or school bus routes may need additional design considerations, including, but not limited to, the location of bus stops and 11-foot effective travel lane widths.
- F. Fire/Emergency Access. Fire and emergency access may need to be addressed through installation of rolled curbs and bulb-outs that can accommodate fire truck outriggers.
- G. Green infrastructure. All public streets should incorporate green infrastructure. Reference Contra Costa Clean Water Program for specific guidance.

## **9.0 PEDESTRIAN AND BICYCLE-FRIENDLY DESIGN**

### **9.1 Intersections**

Street intersections shall be safe for pedestrians and bicyclists:

- A. Street design of narrow streets and compact intersections requires designers to pay close attention to the operational needs of transit, fire and rescue, waste collection and delivery trucks. For this reason, early coordination with transit, fire and rescue, waste collection and other stakeholder groups is essential.
- B. Encroachment of turning vehicles into opposing lanes can be expected to occur at compact intersections. Therefore, frequency of access, traffic volumes and the speeds on intersecting streets at those intersections should be considered when designing intersections. For fire and rescue, determination of the importance of that street for community access should be determined, e.g. primary or secondary access.
- C. Intersections should be designed to ensure that adequate operation of vehicles can occur. Location of on-street parking around intersections may be evaluated during this analysis to identify potential conflicts between turning vehicles and on-street parking. Bike lanes and on-street parking will increase the effective curb return radius, when curb extensions are not employed, by providing more room for the wheel tracking of turning vehicles.
- D. Curb radius at intersections should have a dimension between 10 to 15 feet. Curbs may be mountable curbs if necessary to meet the needs of fire and emergency access:
- E. Roundabouts should be considered as an alternative for any type of intersection. Roundabouts can provide reduced vehicle speeds, reduced conflict points, separation of vehicle-vehicle conflict points from vehicle-pedestrian conflict points, and provide a two-step crossing for pedestrians.

### **9.2 Pedestrian Crossing Standards**

Pedestrian crossings at intersections and mid-block locations should be designed in accordance with the following standards. Modifications may be made to comply with ADA requirements.

**PEDESTRIAN CROSSINGS**

Type	Description	
Directional Curb Ramps	Perpendicular corner curb ramps with a separate ramp installed in each direction should be used where feasible instead of single, diagonal corner ramps. The limit line shall be set back a minimum of 4 feet from the crosswalk.	
Crosswalks	Crosswalks should be designed per the California Manual of Uniform Traffic Control Devices (CA MUTCD). All marked crosswalks shall be striped as high-visibility crosswalks.	
Medians	Medians, where provided, should provide a median refuge for pedestrians at the intersection. Medians shall be a minimum of 6 feet wide with a preferred width of 8 feet wide wherever possible.	
Mid-block Crossings	Mid-block crossings, where provided, should have mid-block curb extensions, flashing beacons (if warranted by traffic volumes), and additional signage. The limit line shall be set back a minimum of 20 feet from the crosswalk. There shall be no parking or vertical features on the street edge within the 20-foot setback to the crosswalk.	

## 10. TOWN SQUARE DESIGN GUIDELINES

### 10.1 Purpose

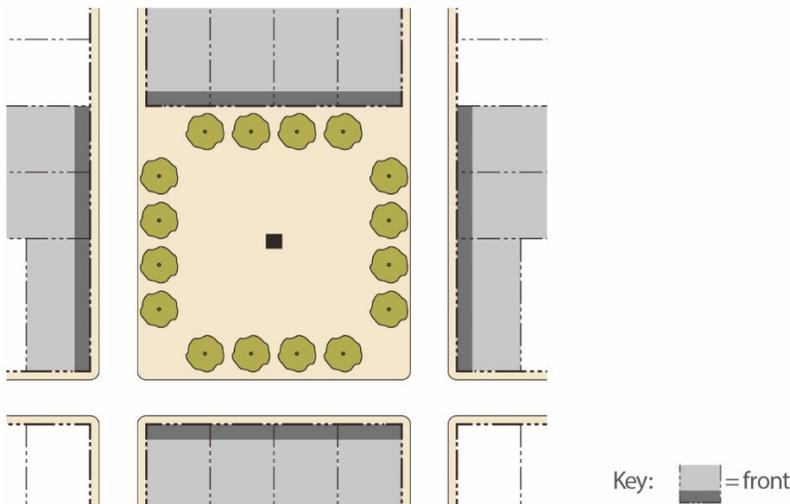
These guidelines provide guidance on design and development of the Town Square in the Moraga Center Specific Plan area.

### 10.2 Town Square Design

- A. The Town Square should be designed to serve as a community-wide focal point, primarily for civic purposes, with secondary commercial activities that are subordinate to civic activity. The Town Square should be a formal urban space, primarily featuring hardscape and/or turf, outdoor seating, and passive recreation, with planting accents in formal patterns. It should be spatially defined by adjacent buildings and tree-lined streets, and should feature one or more civic elements, such as sculptures, fountains, or public art. A small stage or outdoor performance space, as well as seating for adjacent cafes or restaurants, may also be included.
- B. Design Parameters. The Town Square should be built according to the following design parameters.

Design Parameters	
Minimum Area	0.5 acre
Minimum Width	80 feet
Minimum Depth/Length	150 feet

- C. Building Frontage. The facades on the lots attached to or across a street from the Town Square should be designed as a "front" on to the public, as illustrated below.



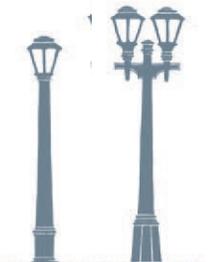
- D. Accessory Structures and Buildings. Accessory structures and buildings built in the Town Square should be designed and furnished to be consistent with the Town Square itself. Such consistency may require accessory structures and buildings to maintain building setbacks, frontage, massing, disposition, and design character similar to adjacent development. Such accessory structures and buildings may include restrooms, concession stands, pergolas, maintenance buildings, and community gathering rooms.

- E. Commercial Uses. If permanent or temporary commercial uses are allowed within the Town Square, such uses shall be ancillary to civic or recreational uses and shall be subject to approval by the Planning Commission.

### 10.3 Town Square Lighting Types

- A. In addition to conforming with the lighting guidance in Section 6 of these MCSP Design Guidelines, public lighting in the Town Square should conform with the following examples:

TOWN SQUARE PUBLIC LIGHTING TYPES

Pole Type	Pipe (round)	Post (square)	Column
Illustration			

- B. Pedestrian lighting shall be of a height where the luminaire is mounted between 12 to 14 feet above the sidewalk/pavement. Pedestrian lighting can have pipe, post, or column type poles.
- C. Vehicular lighting shall be of a height where the luminaire is mounted between 18 to 20 feet above the pavement. Vehicular lighting shall only have pipe or post poles.
- D. Pipe and post lighting shall feature a pendant-style light head type. Column lighting shall feature an acorn-style light head type.
- E. The color of the light poles shall relate to the surrounding architecture and town square design features.

### 10.4 Town Square Examples

The following photos show examples of town squares from other locations whose overall character is appropriate for Moraga’s Town Square. Individual design elements will differ from the examples shown. These examples are shown with reference to the town squares only, and not the architecture style or size of the surrounding buildings.







# **APPENDIX A**

## **Moraga Design Guidelines**

### **Build It Green**

#### **Single-Family GreenPoint Checklist**

The GreenPoint Checklist offers builders, homeowners and municipalities a tool to assess how environmentally friendly or green a home is. This checklist is also the basis for Build It Green's third-party verification program – GreenPoint Rated. GreenPoint Rated was developed with the cooperation of local builders, city planners and building officials. Each green measure has been assigned a point value based on its benefits to the homeowners and the environment, as well as its ease of implementation.

A home can be considered green if it fulfills the prerequisites, earns at least 50 points and meets the minimum points per category: Energy (30), Indoor Air Quality/Health (5), Resources (6), and Water (9). You can obtain additional information on the Green Building Guidelines, GreenPoint Rated Manuals and most recent versions of the GreenPoint Checklists at [GreenPointRated@BuilditGreen.org](mailto:GreenPointRated@BuilditGreen.org) or call (510) 845-0472, ext. 604. The GreenPoint Rated program is updated every three years to coincide with changes to the California Building Energy Efficiency Standards. Currently, there are checklists for existing and new single family homes and for multifamily structures. The most current checklist for new single family homes (SF Data Collection Form v3.7) is printed on the following pages. Please contact Build It Green for a list of certified GreenPoint Raters if you are interested in obtaining a green home rating.

# GreenPoint Rated Checklist: Single Family

The GreenPoint Rated checklist tracks green features incorporated into the home. A home is only GreenPoint Rated if all features are verified by a Certified GreenPoint Rater through Build It Green. GreenPoint Rated is provided as a public service by Build It Green, a professional non-profit whose mission is to promote healthy, energy and resource efficient buildings in California. The minimum requirements of GreenPoint Rated are as follows: verification of 50 or more points; Earn the following minimum points per category: Energy (30), Indoor Air Quality/Health (5), Resources (6), and Water (9); and meet the prerequisites A.3.a (50% construction waste diversion), J.1 (Exceed Title 24 by 15%), and N.1 (Incorporate Green Point Rated checklist in blueprints). The criteria for the green building practices listed below are described in the GreenPoint Rated Single Family Rating Manual. For more information please visit [www.builditgreen.org/greenpointrated](http://www.builditgreen.org/greenpointrated) Single Family New Home 3.7

Total Points Achieved: 0



Enter Project Name		Points Achieved	Community	Energy	IAQ/Health	Resources	Water	Blueprint Page No.	Notes
<b>A. SITE</b>			Possible Points						
1. Protect Topsoil and Minimize Disruption of Existing Plants & Trees									
No	a. Protect Topsoil from Erosion and Reuse after Construction	0	1				1		
No	b. Limit and Delineate Construction Footprint for Maximum Protection	0					1		
No	2. Deconstruct Instead of Demolishing Existing Buildings On Site	0				3			
3. Recycle Job Site Construction Waste (Including Green Waste)									
No	a. Minimum 50% Waste Diversion by Weight (Recycling or Reuse) - <i>Required</i>	0				R			
No	b. Minimum 65% Diversion by Weight (Recycling or Reuse)	0				2			
No	c. Minimum 80% Diversion by Weight (Recycling or Reuse)	0				2			
4. Use Recycled Content Aggregate (Minimum 25%)									
No	a. Walkway and Driveway Base	0				1			
No	b. Roadway Base	0				1			
Total Points Available in Site = 12		0							
<b>B. FOUNDATION</b>			Points Available Per Measure						
1. Replace Portland Cement in Concrete with Recycled Flyash or Slag									
No	a. Minimum 20% Flyash or Slag	0				1			
No	b. Minimum 25% Flyash or Slag	0				1			
No	2. Use Frost-Protected Shallow Foundation in Cold Areas (C.E.C. Climate Zone 16)	0				3			
No	3. Use Radon Resistant Construction [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0			1				
4. Design and Build Structural Pest Controls									
No	a. Install Termite Shields & Separate All Exterior Wood-to-Concrete Connections by Metal or Plastic Fasteners/Dividers [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0				1			
No	b. All New Plants Have Trunk, Base, or Stem Located At Least 36 Inches from Foundation	0				1			
Total Points Available in Foundation = 8		0							
<b>C. LANDSCAPING</b>			Points Available Per Measure						
1. Construct Resource-Efficient Landscapes									
No	a. No Invasive Species Listed by Cal-IPC Are Planted	0					1		
No	b. No Plant Species Will Require Hedging	0				1			
No	c. 75% of Plants Are California Natives or Mediterranean Species or Other Appropriate Species	0					3		
No	2. Use Fire-Safe Landscaping Techniques	0	1						
3. Minimize Turf Areas in Landscape Installed by Builder									
No	a. All Turf Will Have a Water Requirement Less than or Equal to Tall Fescue (< = 0.8 plant factor)	0					2		
No	b. Turf Shall Not Be Installed on Slopes Exceeding 10% or in Areas Less than 8 Feet Wide	0					2		
No	c. Turf is <=33% of Landscaped Area (total 2 points)	0					2		
No	d. Turf is <=10% of Landscaped Area (total 4 points)	0					2		
No	4. Plant Shade Trees	0					3		
No	5. Group Plants by Water Needs (Hydrozoning)	0					2		
6. Install High-Efficiency Irrigation Systems									
No	a. System Uses Only Low-Flow Drip, Bubblers, or Low-flow Sprinklers	0					2		
No	b. System Has Smart (Weather-Based) Controllers	0					3		
No	7. Incorporate Two Inches of Compost in the Top 6 to 12 Inches of Soil	0					3		
No	8. Mulch All Planting Beds to the Greater of 2 Inches or Local Water Ordinance Requirement	0					2		
No	9. Use 50% Salvaged or Recycled-Content Materials for 50% of Non-Plant Landscape Elements	0				1			
No	10. Reduce Light Pollution by Shielding Fixtures and Directing Light Downward	0	1						
Total Points Available in Landscaping = 31		0							
<b>D. STRUCTURAL FRAME &amp; BUILDING ENVELOPE</b>			Points Available Per Measure						
1. Apply Optimal Value Engineering									
No	a. Place Rafter and Studs at 24-Inch On Center Framing	0				1			
No	b. Size Door and Window Headers for Load	0				1			
No	c. Use Only Jack and Cripple Studs Required for Load	0				1			
2. Use Engineered Lumber									
No	a. Beams and Headers	0				1			
No	b. Insulated Engineered Headers	0		1					
No	c. Wood I-Joists or Web Trusses for Floors	0				1			
No	d. Wood I-Joists for Roof Rafters	0				1			
No	e. Engineered or Finger-Jointed Studs for Vertical Applications	0				1			
No	f. Oriented Strand Board for Subfloor	0				1			
No	g. Oriented Strand Board for Wall and Roof Sheathing	0				1			
3. Use FSC-Certified Wood									
No	a. Dimensional Lumber, Studs and Timber: Minimum 40%	0				2			
No	b. Dimensional Lumber, Studs and Timber: Minimum 70%	0				2			
No	c. Panel Products: Minimum 40%	0				1			
No	d. Panel Products: Minimum 70%	0				1			

Enter Project Name		Points Achieved	Community	Energy	IAQ/Health	Resources	Water	Baseline Page No.	Notes
<b>4. Use Solid Wall Systems (Includes SIPs, ICFs, &amp; Any Non-Stick Frame Assembly)</b>									
No	a. Floors	0		2		2			
No	b. Walls	0		2		2			
No	c. Roofs	0		2		2			
<b>5. Reduce Pollution Entering the Home from the Garage</b> [*Points automatically granted when project qualifies for measure J3: ES with IAQ]									
No	a. Tightly Seal the Air Barrier between Garage and Living Area	0			1				
No	b. Install Garage Exhaust Fan OR Build a Detached Garage	0			1				
No	<b>6. Design Energy Heels on Trusses (75% of Attic Insulation Height at Outside Edge of Exterior Wall)</b>	0		1					
No	<b>7. Design Roof Trusses to Accommodate Ductwork</b>	0		1					
No	<b>8. Use Recycled-Content Steel Studs for 90% of Interior Wall Framing</b>	0				1			
No	<b>9. Thermal Mass Walls: 5/8-Inch Drywall on All Interior Walls or Walls Weighing more than 40 lb/cu.ft.</b>	0		1					
<b>10. Install Overhangs and Gutters</b>									
No	a. Minimum 16-Inch Overhangs and Gutters [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0				1			
No	b. Minimum 24-Inch Overhangs and Gutters	0		1					
Total Points Available in Structural Building Frame and Envelope = 36		0							
<b>E. EXTERIOR FINISH</b>			Points Available Per Measure						
No	<b>1. Use Recycled-Content (No Virgin Plastic) or FSC-Certified Wood Decking</b>	0				2			
No	<b>2. Install a Rain Screen Wall System</b>	0				2			
No	<b>3. Use Durable and Non-Combustible Siding Materials</b>	0				1			
No	<b>4. Use Durable and Non-Combustible Roofing Materials</b>	0				2			
Total Points Available in Exterior Finish = 7		0							
<b>F. INSULATION</b>			Points Available Per Measure						
<b>1. Install Insulation with 75% Recycled Content</b>									
No	a. Walls and Floors	0				1			
No	b. Ceilings	0				1			
<b>2. Install Insulation that is Low-Emitting (Certified Section 01350)</b>									
No	a. Walls and Floors	0			1				
No	b. Ceilings	0			1				
No	<b>3. Inspect Quality of Insulation Installation before Applying Drywall</b> [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0		1					
Total Points Available in Insulation = 5		0							
<b>G. PLUMBING</b>			Points Available Per Measure						
<b>1. Distribute Domestic Hot Water Efficiently (Additive, Maximum 7 Points)</b>									
No	a. Insulate Hot Water Pipes from Water Heater to Kitchen	0		1			1		
No	b. Insulate All Hot Water Pipes	0		1			1		
No	c. Use Engineered Parallel Piping	0					1		
No	d. Use Engineered Parallel Piping with Demand Controlled Circulation Loop	0					1		
No	e. Use Structured Plumbing with Demand Controlled Circulation Loop	0		1			2		
No	f. Use Central Core Plumbing	0		1			1		
No	<b>2. Install Only High Efficiency Toilets (Dual-Flush or ≤1.28 gpf)</b>	0					4		
Total Points Available in Plumbing = Total 11		0							
<b>H. HEATING, VENTILATION &amp; AIR CONDITIONING</b>			Points Available Per Measure						
No	<b>1. Design and Install HVAC System to ACCA Manual J, D, and S Recommendations</b> [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0		4					
<b>2. Install Sealed Combustion Units</b> [*Points automatically granted when project qualifies for measure J3: ES with IAQ]									
No	a. Furnaces	0			2				
No	b. Water Heaters	0			2				
No	<b>3. Install Zoned, Hydronic Radiant Heating</b>	0		1	1				
No	<b>4. Install High Efficiency Air Conditioning with Environmentally Responsible Refrigerants</b>	0	1						
<b>5. Design and Install Effective Ductwork</b> [*5b,d,e are automatically granted when project qualifies for measure J3: ES with IAQ]									
No	a. Install HVAC Unit and Ductwork within Conditioned Space	0			3				
No	b. Use Duct Mastic on All Duct Joints and Seams	0			1				
No	c. Install Ductwork under Attic Insulation (Bundled Ducts)	0			1				
No	d. Pressure Relieve the Ductwork System	0			1				
No	e. Protect Ducts during Construction and Clean All Ducts before Occupancy	0			1				
No	<b>6. Install High Efficiency HVAC Filter (MERV 6+)</b> [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0			1				
No	<b>7. Don't Install Fireplaces or Install Sealed Gas Fireplaces with Efficiency Rating NOT Less Than 60% using CSA Standards</b>	0			1				
<b>8. Install Effective Exhaust Systems in Bathrooms and Kitchens</b> [*8a,b,c are automatically granted when project qualifies for measure J3: ES with IAQ]									
No	a. Install ENERGY STAR Bathroom Fans Vented to the Outside	0			1				
No	b. All Bathroom Fans Are on Timer or Humidistat	0			1				
No	c. Install Kitchen Range Hood Vented to the Outside	0			1				
<b>9. Install Mechanical Ventilation System for Cooling (Max. 4 Points)</b>									
No	a. Install ENERGY STAR Ceiling Fans & Light Kits in Living Areas & Bedrooms	0		1					
No	b. Install Whole House Fan with Variable Speeds	0		1					
No	c. Automatically Controlled Integrated System	0		2					
No	d. Automatically Controlled Integrated System with Variable Speed Control	0		3					
<b>10. Install Mechanical Fresh Air Ventilation System (Maximum 3 Points)</b>									
No	a. Any Whole House Ventilation System That Meets ASHRAE 62.2	0			2				
No	b. Install Air-to-Air Heat Exchanger that meets ASHRAE 62.2 [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0		1	2				
No	<b>11. Install Carbon Monoxide Alarm(s)</b> [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0			1				
Total Points Available in Heating, Ventilation and Air Conditioning = 30		0							

Enter Project Name		Points Achieved	Community	Energy	IAQ/Health	Resources	Water	Blueprint Page No.	Notes	
<b>I. RENEWABLE ENERGY</b>			Points Available Per Measure							
No	1. Pre-Plumb for Solar Hot Water Heating	0		4						
No	2. Install Solar Water Heating System	0		10						
No	3. Install Wiring Conduit for Future Photovoltaic Installation & Provide 200 ft of South-Facing Roof	0		2						
	4. Install Photovoltaic (PV) Panels									
No	a. 30% of electric needs OR 1.2 kW (total 6 points)	0		6						
No	b. 60% of electric needs OR 2.4kW (total 12 points)	0		6						
No	c. 90% of electric need OR 3.6 kW (total 18 points)	0		6						
	Total Available Points in Renewable Energy = 28	0								
<b>J. BUILDING PERFORMANCE</b>			Points Available Per Measure							
	1. Diagnostic Evaluations									
No	a. House Passes Blower Door Test [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0		1						
No	b. House Passes Combustion Safety Backdraft Test	0			1					
	2. Design and Build High Performance Homes - 15% above 2005 Title 24 - <b>Required</b>	0		≥30						
No	3. House Obtains ENERGY STAR with Indoor Air Package Certification - <b>Pilot Measure</b> (Total 45 points; read comment)	0			5	2				
	Total Available Points in Building Performance = 39	0								
<b>K. FINISHES</b>			Points Available Per Measure							
No	1. Design Entryways to Reduce Tracked in Contaminants	0			1					
	2. Use Low-VOC or Zero-VOC Paint (Maximum 3 Points)									
No	a. Low-VOC Interior Wall/Ceiling Paints (<50gpl VOCs (Flat) & <150gpl VOCs (Non-Flat))	0			1					
No	b. Zero-VOC: Interior Wall/Ceiling Paints (<5 gpl VOCs (Flat))	0			3					
No	3. Use Low VOC, Water-Based Wood Finishes (<250 gpl VOCs)	0			2					
No	4. Use Low-VOC Caulk and Construction Adhesives (<70 gpl VOCs) for All Adhesives	0			2					
No	5. Use Recycled-Content Paint	0				1				
	6. Use Environmentally Preferable Materials for Interior Finish: A) FSC-Certified Wood, B) Reclaimed, C) Rapidly Renewable, D) Recycled-Content or E) Finger-Jointed									
No	a. Cabinets (50% Minimum)	0				1				
No	b. Interior Trim (50% Minimum)	0				1				
No	c. Shelving (50% Minimum)	0				1				
No	d. Doors (50% Minimum)	0				1				
No	e. Countertops (50% Minimum)	0				1				
	7. Reduce Formaldehyde in Interior Finish (CA Section 01350)									
No	a. Subfloor & Stair Treads (90% Minimum)	0			1					
No	b. Cabinets & Countertops (90% Minimum)	0			1					
No	c. Interior Trim (90% Minimum)	0			1					
No	d. Shelving (90% Minimum)	0			1					
No	8. After Installation of Finishes, Test of Indoor Air Shows Formaldehyde Level <27ppb	0			3					
	Total Available Points in Finishes = 21	0								
<b>L. FLOORING</b>			Points Available Per Measure							
	1. Use Environmentally Preferable Flooring: A) FSC-Certified Wood, B) Reclaimed or Refinished, C) Rapidly Renewable, D) Recycled-Content, E) Exposed Concrete. <b>Flooring Adhesives Must Have &lt;70 gpl VOCs.</b>									
No	a. Minimum 15% of Floor Area	0				1				
No	b. Minimum 30% of Floor Area	0				1				
No	c. Minimum 50% of Floor Area	0				1				
No	d. Minimum 75% of Floor Area	0				1				
No	2. Thermal Mass Floors: Floor Covering Other than Carpet on 50% or More of Concrete Floors	0		1						
No	3. Flooring Meets Section 01350 or CRI Green Label Plus Requirements (50% Minimum) [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0			2					
	Total Available Points in Flooring = 7	0								
<b>M. APPLIANCES AND LIGHTING</b>			Points Available Per Measure							
	1. Install Water and Energy Efficient Dishwasher									
No	a. ENERGY STAR (total 1 point)	0		1						
No	b. Dishwasher Uses No More than 6.5 Gallons/Cycle (total 2 points)	0					1			
	2. Install ENERGY STAR Clothes Washing Machine with Water Factor of 6 or Less									
No	a. Meets Energy Star and CEE Tier 2 requirements (modified energy factor 2.0, Water Factor 6.0 or less) (total 3 points)	0		1			2			
No	b. Meets Energy Star and CEE Tier 3 requirements (modified energy factor 2.2, Water Factor 4.5 or less) (total 5 points)	0					2			
	3. Install ENERGY STAR Refrigerator									
No	a. ENERGY STAR Qualified & < 25 Cubic Feet Capacity	0		1						
No	b. ENERGY STAR Qualified & < 20 Cubic Feet Capacity	0		1						
	4. Install Built-In Recycling Center and Composting Center									
No	a. Built-In Recycling Center	0				2				
No	b. Built-In Composting Center	0				1				
	Total Available Points in Appliances and Lighting = 12	0								
<b>N. OTHER</b>			Points Available Per Measure							
No	1. Incorporate GreenPoint Rated Checklist in Blueprints - <b>Required</b>	0				R				
No	2. Develop Homeowner Manual of Green Features/Benefits [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0		1	1		1			
	Total Available Points in Other = 3	0								
<b>O. COMMUNITY DESIGN &amp; PLANNING (maximum 20 points in this section)</b>			Points Available Per Measure							
	1. Develop Infill Sites									
No	a. Project is Located in a Built Urban Setting with Utilities in Place for Fifteen Years	0	1			1				
No	b. Development is Located within 1/2 Mile of a Major Transit Stop	0	2							

Enter Project Name		Points Achieved	Community	Energy	IAQ/Health	Resources	Water	Blueprint Page No.	Notes
<b>2. Cluster Homes &amp; Keep Size in Check</b>									
No	a. Cluster Homes for Land Preservation	0	1			1			
	b. Conserve Resources by Increasing Density (1 pt for every 5 u/a greater than 10 u/a) <b>Enter Project Density (In Units Per Acre)</b>	0	2			2			
No	c. Home Size Efficiency	0				9			
	<b>3. Subdivision Layout &amp; Orientation to Improve Natural Cooling and Passive Solar Attributes</b>	0	3	7					
<b>4. Design for Walking &amp; Bicycling</b>									
0	a. Pedestrian Access to Neighborhood Services within 1/4 Mile: 1) Community Center/Library; 2) Grocery Store; 3) School; 4) Day Care; 5) Medical; 7) Entertainment/Restaurants; 8) Post Office; 9) Place of Worship; 10) Bank; <b>Enter number of services</b>	0	2						
No	b. Development is Connected with A Dedicated Pedestrian Pathway to Places of Recreational Interest within 1/2 mile	0	1						
No	c. At Least Two of the Following Traffic-Calming Strategies: - Designated Bicycle Lanes are Present on Roadways; - Ten-Foot Vehicle Travel Lanes; - Street Crossings Closest to Site are Located Less Than 300 Feet Apart; - Streets Have Rumble Strips, Bulbouts, Raised Crosswalks or Refuge Islands	0	2						
<b>5. Design for Safety &amp; Social Gathering</b>									
No	a. All Home Front Entrances Have Views from the Inside to Outside Callers	0	1						
No	b. All Home Front Entrances Can be Seen from the Street and/or from Other Front Doors	0	1						
No	c. Orient Porches (min. 100sf) to Streets and Public Spaces	0	1						
<b>6. Design for Diverse Households</b>									
No	a. All Homes Have at Least One Zero-Step Entrance	0	1						
No	b. All Main Floor Interior Doors & Passageways Have a Minimum 32-Inch Clear Passage Space	0	1						
No	c. Locate at Least a Half-Bath on the Ground Floor with Blocking in Walls for Grab Bars	0	1						
No	d. Provide Full-Function Independent Rental Unit	0	1						
Total Achievable Points in Community Design & Planning = 20		0							
<b>P. INNOVATION (maximum 20 points in this section)</b>			Possible Points						
<b>A. Site</b>									
No	1. Reduce Heat-Island Effect - Install light-colored, high albedo materials (solar reflectance index >= 0.3) for at least 50% of site's non-roof impervious surfaces	0	1						
No	2. Build on Designated brownfield site	0	3						
<b>B. Foundation</b> [*Points automatically granted when project qualifies for measure J3: ES with IAQ]									
No	1. Install a Foundation Drainage System	0			2				
No	2. Sealed and Moisture Controlled Crawlspace	0		2					
<b>C. Landscaping</b>									
No	1. Meets Bay-Friendly Landscape Program Requirement (mutually exclusive with P.C.2)	0				4			
No	2. Meets California-Friendly Landscape Program Requirement	0				4			
No	3. Rain Water Harvesting System (1 point for <350 gallons, 2 points for > 350 gallons)	0				2			
No	a. Less than 350 gallon capacity	0				1			
No	b. Greater than 350 gallon capacity	0				2			
No	4. Assess Site Climate, Exposure, Topography, and Drainage	0				1			
No	5. Perform a Soil Analysis	0				1			
No	6. Irrigation System Uses Recycled Wastewater	0				1			
No	7. FSC Certified, Recycled Plastic or Composite Lumber - Fencing: 70%	0			1				
<b>D. Structural Frame and Building Envelope</b>									
1. Design, Build and Maintain Structural Pest and Rot Controls									
No	a. Locate All Wood (Siding, Trim, Structure) At Least 12" Above Soil	0			1				
No	b. All Wood Framing 3 Feet from the Foundation is Treated with Borates (or Use Factory-Impregnated Materials) OR Walls are Not Made of Wood	0		1					
No	2. Use Moisture Resistant Materials in Wet areas of Kitchens, Bathrooms, Utility Rooms, and Basements [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0		1					
3. Use FSC Certified Engineered Lumber (3 points maximum)									
No	a. Beams and Headers	0			1				
No	b. Insulated Engineered Headers	0			1				
No	c. Wood I-Joists or Web Trusses for Floors	0			1				
No	d. Wood I-Joists for Roof Rafters	0			1				
No	e. Engineered or Finger-Jointed Studs for Vertical Applications	0			1				
No	f. Roof Trusses: 100%	0			1				
4. FSC Certified Wood									
No	a. Dimensional Lumber, Sluds and Timber: 100%	0			2				
No	b. Panel Products: 100%	0			2				
<b>E. Exterior Finish</b>									
No	1. Green Roofs (25% of roof area minimum)	0	1	1					
No	2. Flashing Installation Techniques Specified [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0				1			
<b>F. Insulation</b>									
<b>G. Plumbing</b>									
No	1. Graywater Pre-plumbing (includes washing machine at minimum)	0				1			
No	2. Graywater System Operational (includes washing machine at minimum)	0				2			
No	3. Innovative Wastewater Technology (Constructed Wetland, Sand Filter, Aerobic System)	0				1			
No	4. Composting or Waterless Toilet	0				2			
No	5. Install Drain Water Heat-recovery System	0		1					
6. Install Water Efficient Fixtures									
No	a. Showerheads or Shower Towers Use <2.0 Gallons Per Minute (GPM) Total	0				1			
No	b. Faucets - bathrooms <1.5 gpm	0				1			
No	c. Faucets - Kitchen & Utility <2.0 gpm	0				1			
<b>H. Heating, Ventilation, and Air Conditioning</b>									
No	1. Humidity Control Systems (only in California humid/marine climate zones 1,3,5,6,7)	0			1				

Enter Project Name		Points Achieved	Community	Energy	IAQ/Health	Resources	Water	Exempt Page No.	Notes
<b>I. Renewable Energy</b>									
No	1. Exceeding Passive Solar Design (> 50% of load) That is Not Already Reflected in T-24 Modeling	0		5					
<b>J. Building Performance</b>									
No	1. Test Total Supply Air Flow Rates	0		1					
2. Energy Analysis Design Review									
No	a. Title-24 prepared and signed by CABEC Certified Energy Analyst	0		1					
No	b. Participation in utility incentive program	0		1					
<b>K. Finishes</b>									
1. Use Environmentally Preferable Materials for Interior Finishes									
No	a. Cabinets (80% minimum)	0				1			
No	b. Interior Trim (80% minimum)	0				1			
No	c. Shelving (80% minimum)	0				1			
No	d. Doors (80% minimum)	0				1			
No	e. Countertops (80% minimum)	0				1			
<b>L. Flooring</b>									
No	1. Flooring Meets Section 01350 or CR1 Green Label Plus Requirements (80% Minimum) [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0			1				
<b>M. Appliances</b>									
<b>N. Other</b>									
No	1. Homebuilder's Management Staff are Certified Green Building Professionals	0	1						
No	2. Detailed Durability Plan [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0				2			
No	3. Third-Party Verification of Implementation of Durability Plan	0				2			
0	4. Materials Sourced, Processed and Manufactured Within a 500 Mile Radius of the Home	0	1+						
No	5. Comprehensive Owner's Manual and Homeowner Educational Walkthroughs	0		1					
6. Additional Innovations: Points to be assessed by Build It Green and GreenPoint Rated.									
No	a. Describe Innovation Here, and Enter Possible Points in Columns L-P	0							
No	b. Describe Innovation Here, and Enter Possible Points in Columns L-P	0							
No	c. Describe Innovation Here, and Enter Possible Points in Columns L-P	0							
No	d. Describe Innovation Here, and Enter Possible Points in Columns L-P	0							
No	e. Describe Innovation Here, and Enter Possible Points in Columns L-P	0							
No	f. Describe Innovation Here, and Enter Possible Points in Columns L-P	0							
No	g. Describe Innovation Here, and Enter Possible Points in Columns L-P	0							
No	h. Describe Innovation Here, and Enter Possible Points in Columns L-P	0							
Total Achievable Points in Innovation = 20		0							
<b>Summary</b>									
Total Available Points in Specific Categories			32+	125+	51+	103+	71+		
Minimum Points Required in Specific Categories			0	30	5	6	9		
<b>Total Points Achieved</b>			0	0	0	0	0		

**Project has not yet met the following recommended minimum requirements:**

- Total Project Score of At Least 50 Points
- Required measures:
  - A3a: 50% waste diversion by weight
  - J2: 15% above Title 24
  - N1: Incorporate GreenPoint Rated Checklist into blueprints
- Minimum points in specific categories:
  - Energy (30 points)
  - IAQ/Health (5 points)
  - Resources (6 points)
  - Water (9 points)

# **APPENDIX B**

## **Moraga Design Guidelines**

### **Planting Palettes from the Moraga Transportation Corridor Streetscape Plan and Drought Tolerant, Fire Resistant Native Trees and Shrubs**

# Planting and Character

## Moraga Character

The Town of Moraga is nestled in rolling California hills. It has a sense of place, connected to its natural setting. It has a semi-rural feel, characterized by the use of natural materials, such as stone and wood, the predominance native plants. Beautification projects should build aspects of Moraga’s identity. The images on this page show examples existing elements in the Town.

### Plant palettes

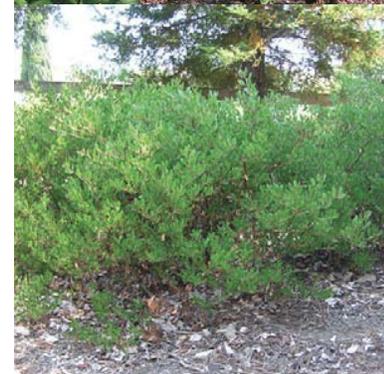
The Town of Moraga is characterized by predominantly native. The use of natives has numerous advantages and benefits, including:

- Integrating the community into the natural surroundings
- Suitability to the local climate and soil conditions
- Lower water and maintenance requirements
- Habitat value
- Emphasizing and highlighting Moraga’s “sense of place”

The Town of Moraga encourages planting of native species over non-species and encourages applicants to refer to the Native Plant Society at [www.nps.org](http://www.nps.org) to check that the plants that you select are not invasive

Plantings for the Moraga area fall within several general groupings or “palettes,” which may be appropriate in different contexts. In some circumstances, it may be appropriate to use non-native plants that are horticulturally compatible with Moraga’s climate and soils. For non-natives may be more suitable as street trees planted in sidewalk or as accent planting at commercial areas.

The following pages give examples of plant palettes appropriate for Moraga’s scenic corridors.



distinct and is and by on these of

plantings.

native website species.

example, cutouts,

use along

## Oak Palette

The oak palette is the predominant plant grouping which occurs naturally in the Moraga area. Plants from this group are appropriate on hillside locations, sunny open areas, and along the tops of stream banks. Excessive water during the normally dry summer periods may cause root fungus in oaks, so they should not be planted adjacent to lawns or other areas that will be watered regularly during summer months.

### OAK PALETTE

Scientific Name	Common Name	Deer Resistant	Native Plant	Low Water	Maintenance
<b>Tree</b>					
<i>Aesculus californica</i>	California Buckeye	•	•	•	L*
<i>Cercis occidentalis</i>	Western redbud	•	•	•	L*
<i>Quercus agrifolia</i>	Coast Live Oak	•	•	•	L*
<i>Quercus illex</i>	Holly Oak	•		•	L*
<i>Quercus suber</i>	Cork Oak	•		•	L*
<b>Shrubs</b>					
<i>Arbutus unedo</i> 'Compacta'	Strawberry Tree	•		•	L
<i>Arctostaphylos</i> spp.	Manzanita	•	•	•	L
<i>Arctostaphylos</i>	Vine Hill Manzanita		•	•	L
<i>Berberis</i> spp.		•	•		L
<i>Carpenteria californica</i>	Bush Anemone		•	•	L
<i>Ceanothus</i> spp.	Wild Lilac	•	•	•	L
<i>Cistus</i> sp.	Rockrose	•		•	L
<i>Correa</i> sp.	Australian Fuchsia	•		•	L
<i>Cotoneaster</i> 'Low Fast'	Bearberry Cotoneaster	•		•	L
<i>Dendromecon harfordii</i>	Island Bush Poppy		•	•	L
<i>Eriogonum</i> species	Wild Buckwheat	•	•	•	L
<i>Fragaria</i> spp.	Ornamental Strawberry	•	•		L
<i>Fremontodendron</i> cvs	Flannel Bush	•	•	•	L
<i>Garrya elliptica</i>	Coast Silktassel	•	•	•	L
<i>Heteromeles arbutifolia</i>	California Holly	•	•	•	L
<i>Myrica californica</i> 'Compacta'	Pacific Wax Myrtle	•	•	•	L
<i>Prunus ilicifolia</i>	Hollyleaf Cherry		•	•	L
<i>Prunus lyonii</i>	Catalina Cherry		•	•	L
<i>Rhamnus californica</i> 'Eve Care'	Coffeeberry	•	•	•	L
<i>Rhamnus crocea</i>	Redberry	•	•	•	L
<i>Rhus integrifolia</i>	Lemonade Berry	•	•	•	L
<i>Rhus ovata</i>	Sugar Bush	•	•	•	L
<i>Ribes indecorum</i>	White Flowering Currant	•	•	•	L
<i>Ribes malvaceum</i>	Chaparral Currant	•	•	•	L
<i>Ribes</i> spp.	Currant, Gooseberry	•	•	•	L
<i>Sarcococca ruscifolia</i>		•			L
<i>Salvia clevelandii</i>	California Blue Sage	•	•	•	L
<b>Low Shrubs</b>					
<i>Arctostaphylos edmundsii</i> & cvs	Little Sur Manzanita	•	•	•	L
<i>Arctostaphylos hookeri</i> & cvs	Monterey Manzanita	•	•	•	L
<i>Baccharis pilularis</i> cvs	Dwarf Coyote Brush	•	•	•	L
<i>Ceanothus griseus horizontalis</i>	Carmel Creeper	•	•	•	L
<i>Ceanothus</i>			•	•	L

L: Low maintenance - annual cleanup

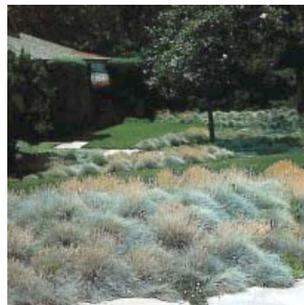
L\*: Annual pruning first two years to establish proper branching habit

AM: Annual mowing or cutback

AP: Annual pruning

HP: Multiple prunings per year

Correa pulchella		•	•		L
Cotoneaster dammeri 'Lowfast'	Bearberry Cotoneaster	•		•	L
Cotoneaster salicifolius 'Repens'	Willowleaf Cotoneaster	•		•	L
Cotoneaster spp.	Cotoneaster	•		•	L
Galvezia speciosa	Island Bush Snapdragon		•	•	L
Keckiella cordifolia			•	•	L
Mahonia aquifolium 'Compacta'	Oregon Grape	•	•		L
Myrtus communis	Myrtle	•		•	L
Ribes speciosum	Fuchsia-Flowering Gooseberry	•	•	•	L
Ribes viburnifolium	Catalina Perfume, Everbreen Currant	•	•	•	L
Santolina		•			L
Sollya heterophylla	Australlian Bluebell Creeper	•		•	L
Symphoricarpos spp.	Snowberry, Coralberry	•	•	•	L
<b>Perennials</b>					
Mimulus spp.	Sticky Monkey Flower	•	•	•	L
Heuchera maxima & hybrids	Island Alum Root	•	•		L
Iris douglasiana		•	•		L
Penstemon heterophylla		•	•		L
Penstemon species	Beard Tongue	•	•		L
Romneya coulteri & ciltivars	Matilija Poppy	•	•	•	L
Salvia spp.	Sage	•		•	L
<b>Grass</b>					
Muhlenbergia rigens	Deer Grass	•	•	•	AM
<b>Ground Cover</b>					
Erigeron Karvinskianus	Santa Barbara Daisy			•	AM
Fragaria spp.			•	•	L
Geranium spp.		•		•	L
Rubus pentalobus	Bramble				L



## Redwood Palette

The redwood palette is appropriate in canyon and valley settings. Redwoods need summer irrigation at least for the first 5 years, and hot dry locations inhibit their growth.'

### REDWOOD PALETTE

Scientific Name	Common Name	Deer Resistant	Native Plant	Low Water	Maintenance
<b>Tree</b>					
<i>Acer circinatum</i>	Vine Maple	•	•		L*
<i>Acer macrophyllum</i>	Big Leaf Maple		•		L*
<i>Arbutus menziesii</i>	Madrone, Madrona	•	•	•	L*
<i>Cercis occidentalis</i>	Western Redbud	•	•	•	L*
<i>Cornus canadensis</i>	Dogwood			•	L*
<b>Large Shrub</b>					
<i>Calycanthus occidentalis</i>	Spice Bush	•	•	•	L
<i>Philadelphus lewisii</i>	Wild Mock Orange		•	•	L
<i>Rhododendron</i> spp.		•	•		AP
<i>Ribes sanguineum</i>		•	•		L
<i>Ribes</i> spp. ( <i>aureum</i> , <i>viburnifolium</i> , <i>speciosum</i> )	Currant, Gooseberry	•	•	•	L
<i>Woodwardia fimbriata</i>	Giant Chain Fern	•	•		L

<b>Small Shrub</b>					
<i>Anemone hybrida</i>	Japanese Anemone	•			L
<i>Carpenteria californica</i>	Bush Anemone	•	•	•	L
<i>Gaultheria shallon</i>	Salal	•	•	•	L
<b>Perennials</b>					
<i>Brunnera macrophylla</i>	Brunnera				L
<i>Dicentra formosa</i>	Western Bleeding Heart	•	•		L
<i>Helleborus</i> spp.		•			L
<i>Heuchera</i> spp.	Coral Bells, Alum Root	•	•	•	L
<i>Helichrysum petiolare</i>	Licorice Plant	•			L
<b>Ground Cover</b>					
<i>Asarum caudatum</i>	Wild Ginger		•		L
<i>Bergenia</i> spp.		•			L
<i>Fragaria</i> spp.	Ornamental Strawberry	•	•		L
<i>Iris douglasiana</i>		•	•	•	L
<i>Lamium maculatum</i>	Spotted Nettle				L
<i>Oxalis oregana</i>	Redwood Sorrel, Oregon Oxalis		•		L
<i>Polystichum munitum</i>	Sword Fern	•	•		L
<i>Symphoricarpos</i> spp.	Snowberry, Coralberry	•	•	•	L
<b>Grass</b>					
<i>Carex</i> spp.	Sedge	•	•		AM
<i>Juncus</i> spp.	Rush	•	•		AM

L: Low maintenance - annual cleanup

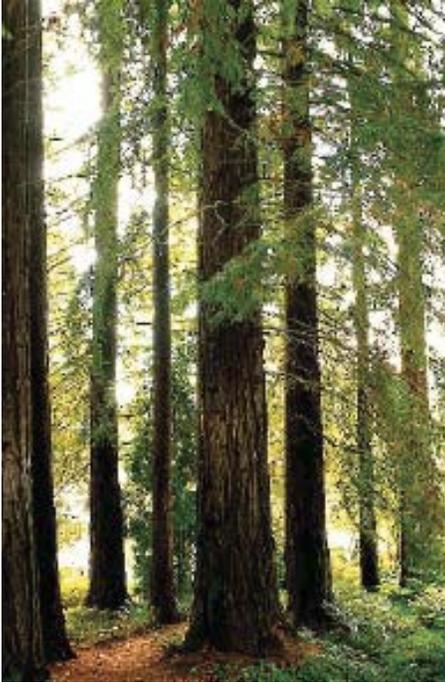
L\*: Annual pruning first two years to establish proper branching habit

AM: Annual mowing or cutback

AP: Annual pruning

HP: Multiple prunings per year

**REDWOOD PALETTE**



## Traditional Palette

Many non-native plants commonly used in landscape applications are well suited for Moraga’s climate, and may be appropriate where particular shapes, forms, or colors are desired. This traditional palette may be appropriate in commercial areas, or along streetscapes with a more suburban feel. They often add color and interest and may be used for emphasizing focal areas.

### TRADITIONAL PALETTE

Scientific Name	Common Name	Deer Resistant	Native Plant	Low Water	Maintenance
<b>Tree</b>					
Fraxinus oxycarpa 'Raywood'	Raywood Ash				L*
Magnolia grandiflora	Southern Magnolia	•			L*
Pistachia chinensis	Chinese Pistache	•			L*
Prunus 'Krauter Vesuvius'	Flowering Plum				L*
Pyrus calleryana 'Bradford'	Bradford Pear				L*
Robinia ambigua 'Idahoensis'	Idaho Locust				L*
Ulmus parvifolia	Chinese Elm				L*
<b>Medium Shrubs</b>					
Arbutus unedo 'Compacta'	Compact Strawberry Bush	•		•	AP
Callistemon 'Little John'	Dwarf Bottlebrush	•		•	L
Cistus sp.	White Rock Rose	•		•	L
Coleonema spp.	Breath of Heaven			•	L
Daphne odora	Winter Daphne	•		•	L
Dietes vegeta	African Iris	•			L
Escallonia sp.	Escallonia			•	L
Euryops pectinatus		•		•	L
Gaura lindheimerii	Gaura				L
Grevillea 'Noelii'		•		•	L
Lavandula sp.	Lavender	•		•	L
Myrtus communis	Myrtle	•		•	AP
Nandina domestica	Heavenly Bamboo			•	L
Perovskia atriplicifolia	Russian Sage	•		•	L
Phormium tenax sp	New Zealand Flax	•		•	L
Pittosporum tobira 'Wheeler's Dwarf'	Dwarf Mock Orange			•	L
Teucrium fruticans	Bush Germander	•		•	L
Viburnum tinus	Laurustinus				AP

<b>Low Shrubs</b>					
Agapanthus sp.	Lily of the Nile	•			L
Buxus microphylla var. japonica	Japanese Boxwood				HP
Carex sp.	Sedge		•		L
Coreopsis spp.	Coreopsis				L
Correa sp.	Australian Fuchsia			•	L
Geranium spp.	Hardy Scented Geranium				L
Hemerocallis evergreen	Day Lily	•			L
Heuchera sanguinea	Coral Bells		•	•	L
Iris douglasiana	Pacific Coast Iris	•	•		L
Kniphofia uvaria	Devil's Poker/Red Hot Poker			•	L
Lantana sp.	Lantana			•	L
Limonium perezii	Statice			•	L
Liriope muscari	Lily Turf	•		•	L
Muhlenbergia rigens	Deer Grass	•	•		L
Myrtus communis 'Compacta'	Dwarf Myrtle	•		•	AP
Nepeta sp.	Catnip	•		•	L
Penstemon sp.	Penstemon	•	•		L
Santolina sp.	Lavender Cotton	•		•	L
Scaevola 'Mauve Clusters'	Fan Flower			•	L
Stipa sp.	Needle Grass	•		•	L
Teucrium chamaedrys	Germander	•		•	L
Tulbaghia violacea 'Silver Lace'	Society Garlic	•			L
Viburnum tinus compacta	Viburnum				AP

<b>Groundcovers</b>					
Acacia redolens		•		•	L
Ajuga reptans	Carpet Bugle	•			L
Carpobrotus	Sea Fig	•		•	L
Ceanothus sp.	California Lilac	•	•	•	L
Ceratostigma plumbaginoides	Dwarf Plumbago	•		•	L
Coprosoma kirkii 'Verde Vista'	Prostrate Mirror Plant	•		•	L
Cotoneaster 'Low Fast'	Cotoneaster	•		•	L
Delosperma alba	White Trailing Ice Plant	•		•	L
Drosanthermum floribundum rosea	Ice Plant	•		•	L
Erigeron karvinskianus	Santa Barbara Daisy	•	•	•	AM
Festuca glauca	California Fescue	•	•	•	AM
Gazania	Orange Gazania				L
Myoporum parvifolium prostrate	Myoporum			•	L
Oenothera speciosa childsii	Mexican Evening Primrose			•	L
Osteospermum fruticosum	African Daisy	•		•	AM
Rosa 'Carpet Rose'	Carpet Rose				L
Rosmarinus officinalis	Rosemary	•		•	L
Trachelospermum asiaticum	Asiatic Jasmine				L
Trachelospermum jaminoides	Star Jasmine	•			AM
Vinca minor	Dwarf Periwinkle				L
Viola labradorica			•		L

**TRADITIONAL PALETTE**



## Grasses and Bioswale

Bioswale planting must be adaptable to high moisture during winter months as well as dry summer conditions. The bioswale and grass palette includes plants that help filter stormwater runoff. Many are seasonal grasses that will turn dry in summer months without supplemental irrigation, as do Moraga’s grassy hillsides.

### BIOSWALES

Scientific Name	Common Name	Deer Resistant	Native Plant	Low Water	Maintenance
<i>Acorus gramineus</i>	Japanese Sweet Flag	•			L
<i>Carex</i> spp.	Sedge	•	•	•	L
<i>Hemerocallis</i> spp.	Daylily	•		•	L
<i>Juncus</i> spp.	Rush		•		L
<i>Molinia caerulea</i> 'Moor Flamme', 'Varigata'	Moor Grass	•			L
<i>Panicum virgatum</i>	Switch Grass	•			L

### SWALES & GRASSES



## Drought Tolerant, Fire Resistant, Native Tree and Shrub Species

Native Trees	
California Buckeye ( <i>Aesculus californica</i> )	California Sycamore ( <i>Platanus racemosa</i> )
Incense-cedar ( <i>Calocedrus decurrens</i> )	Hollyleaf Cherry ( <i>Prunus ilicifolia</i> )
Western Redbud ( <i>Cercis occidentalis</i> )	Blue Oak ( <i>Quercus douglasii</i> )
Mountain Mahogany ( <i>Cercocarpus</i> )	California Black Oak ( <i>Quercus kelloggii</i> )
Desert Willow ( <i>Chilopsis linearis</i> )	Valley Oak ( <i>Quercus lobata</i> )
Ash ( <i>Fraxinus</i> )	Sumac ( <i>Rhus parvifolia</i> )
Toyon ( <i>Heteromeles arbutifolia</i> )	Elderberry ( <i>Sambucus mexicana</i> )
Catalina Ironwood ( <i>Lyonothamnus floribundus</i> )	California Redwood ( <i>Sequoia semperviens</i> )
Pacific Wax Myrtle ( <i>Myrica californica</i> )	

Native Shrubs	
California Buckeye ( <i>Aesculus californica</i> )	Mahonia ( <i>Mahonia repens</i> )
Manzanita ( <i>Arctostaphylos</i> )	Bush Mallow ( <i>Malacothamnus</i> )
Artemesia ( <i>Artemesia</i> )	Wax Myrtle ( <i>Myrica</i> )
Saltbrush ( <i>Atriplex</i> )	Wild Mock Orange ( <i>Philadelphus lewisii</i> )
Bush Anemone ( <i>Carpenteria</i> )	Hollyleaf Cherry ( <i>Prunus ilicifolia</i> )
California Lilacs ( <i>Ceanothus</i> )	Oak ( <i>Quercus</i> )
Western Redbud ( <i>Cercis occidentalis</i> )	Rhamnus ( <i>Rhamnus</i> )
Mountain Mahogany ( <i>Cercocarpus</i> )	Sumac ( <i>Rhus parvifolia</i> )
Desert Willow ( <i>Chilopsis linearis</i> )	Currant ( <i>Ribes</i> )
Bush Poppy ( <i>Dendromecon rigida</i> )	Rose ( <i>Rosa</i> )
Encelia ( <i>Encelia</i> )	Bramble ( <i>Rubus</i> )
Flannel Bush ( <i>Fremontodendron</i> )	Sage ( <i>Salvia</i> )
Silktassel ( <i>Garrya</i> )	Elderberry ( <i>Sambucus</i> )
Toyon ( <i>Heteromeles arbutifolia</i> )	Solanum ( <i>Solanum</i> )
Cream Bush ( <i>Holodiscus</i> )	Snowdrop Bush ( <i>Styrax</i> )
Tree Mallow ( <i>Lavatera assurgentifolia</i> )	Snowberry ( <i>Symphoricarpos</i> )
Pitcher Sage ( <i>Lepechinia</i> )	Woolly Blue Curls ( <i>Trichostema</i> )
Lupine ( <i>Lupinus</i> )	

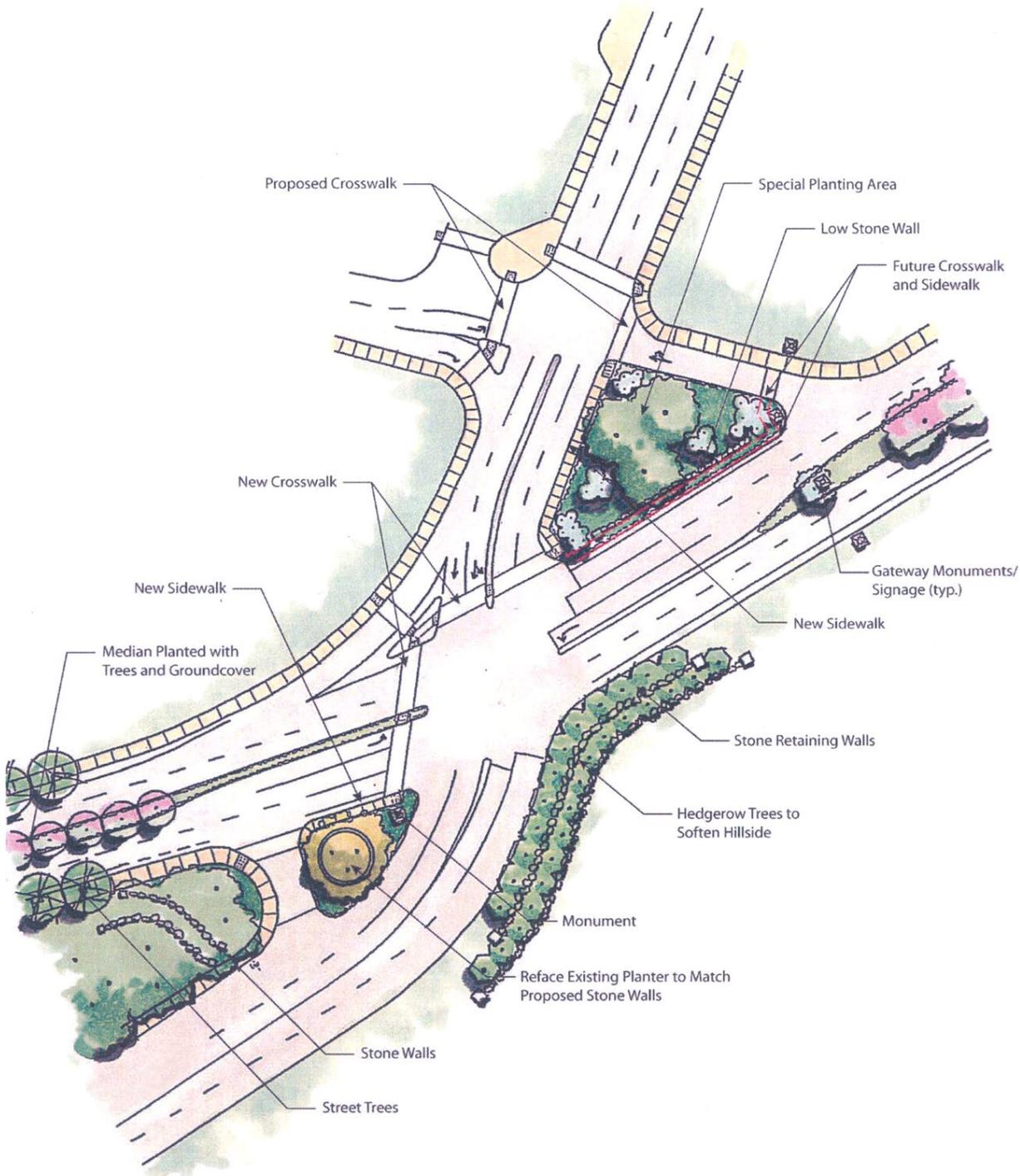
# **APPENDIX C**

## **Moraga Design Guidelines**

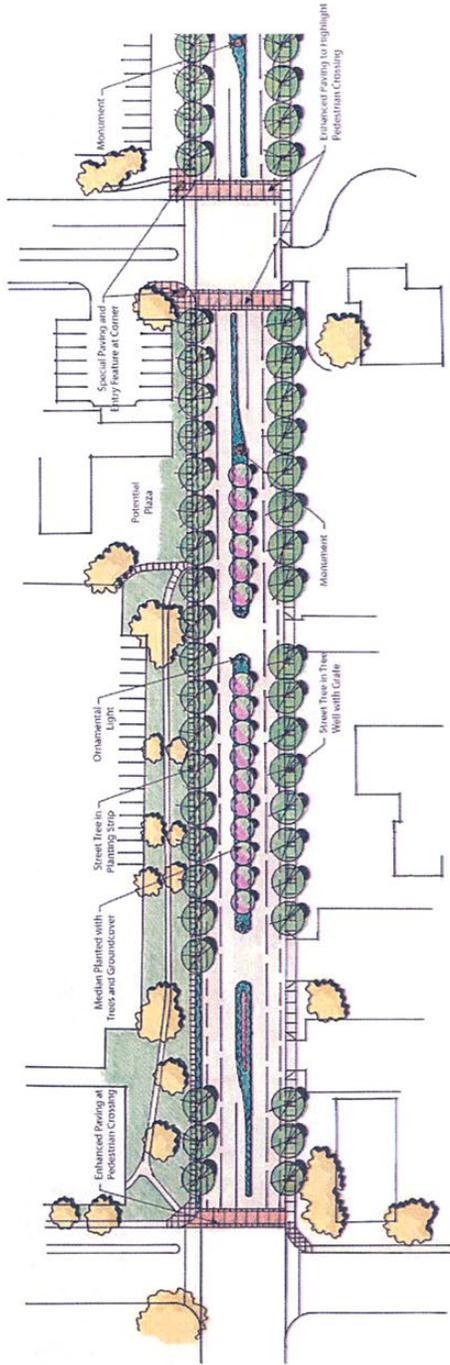
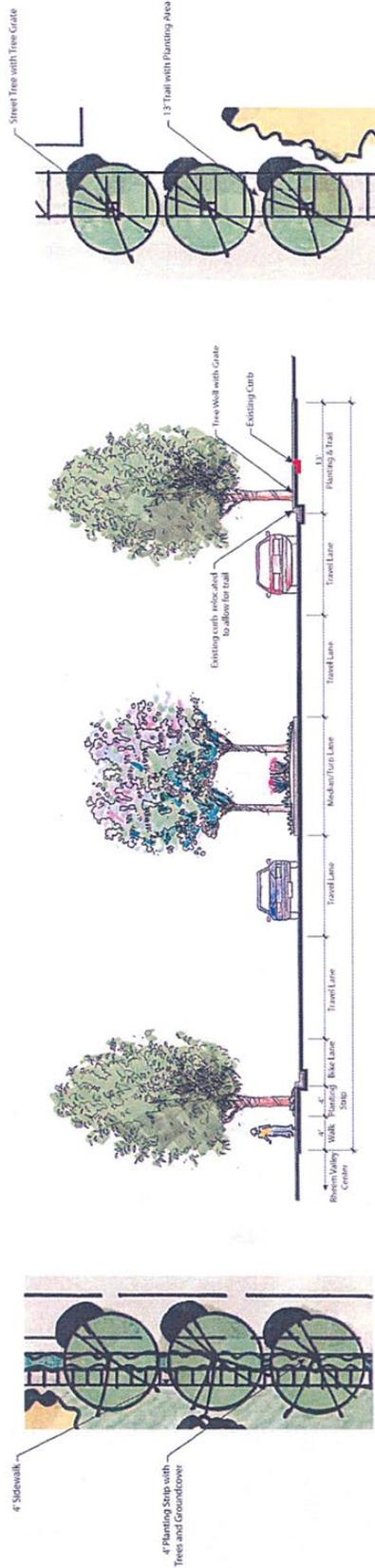
### **Street and Roadway Enhancement From the Moraga Transportation Corridor Streetscape Plan**

This appendix addresses desired types of improvements to Moraga’s street and roadway corridors in the context of Moraga’s semi-rural character. Using Moraga Road as a template, this appendix offers measures to add aesthetic enhancements, increase planting, provide biological storm water treatment where feasible, and enhance pedestrian and bicycle connections and safety. These should be applied along the scenic corridors, as well as at other locations throughout Moraga.

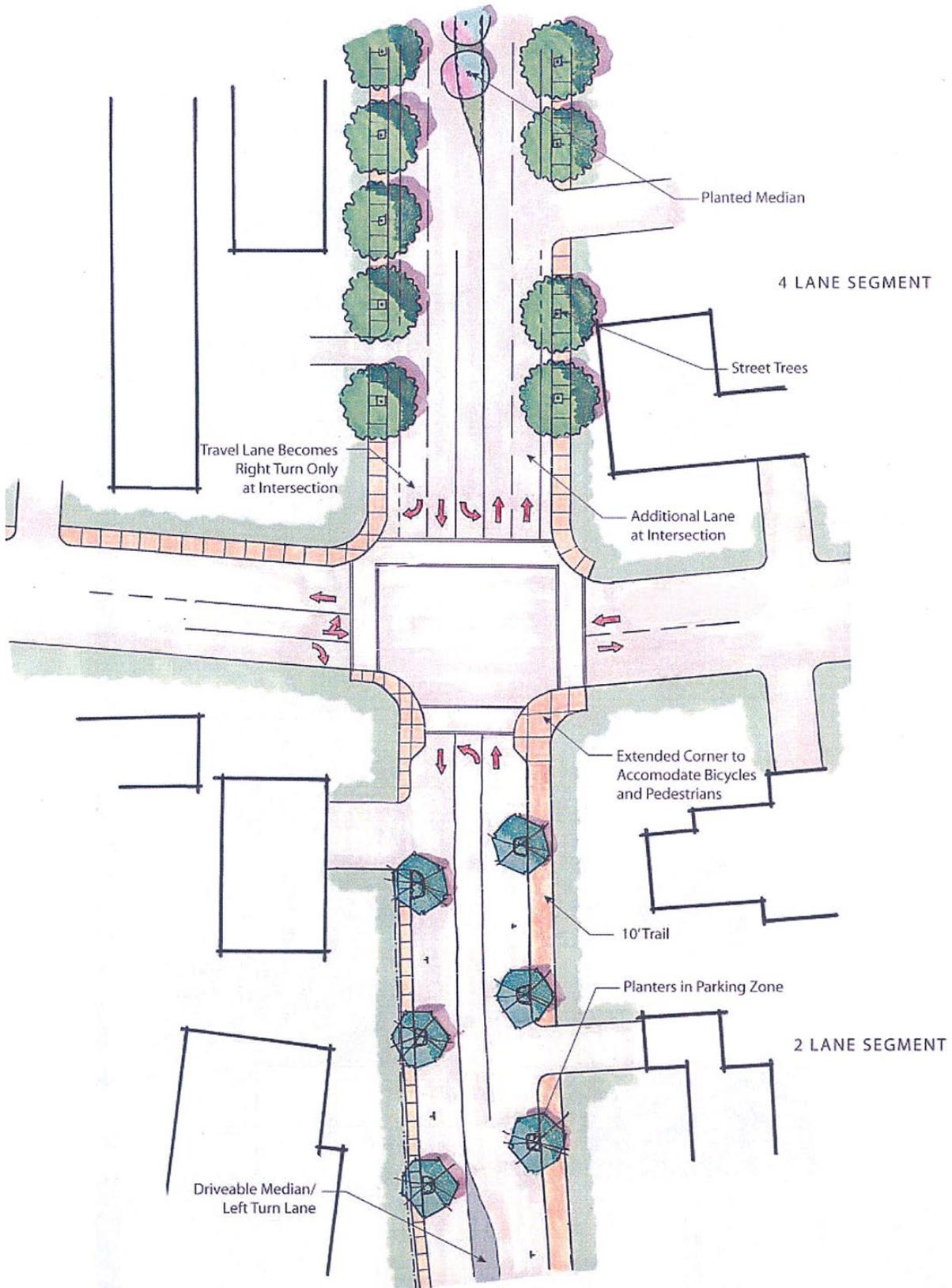
### Example of an Intersection of Two Four Lane Roads



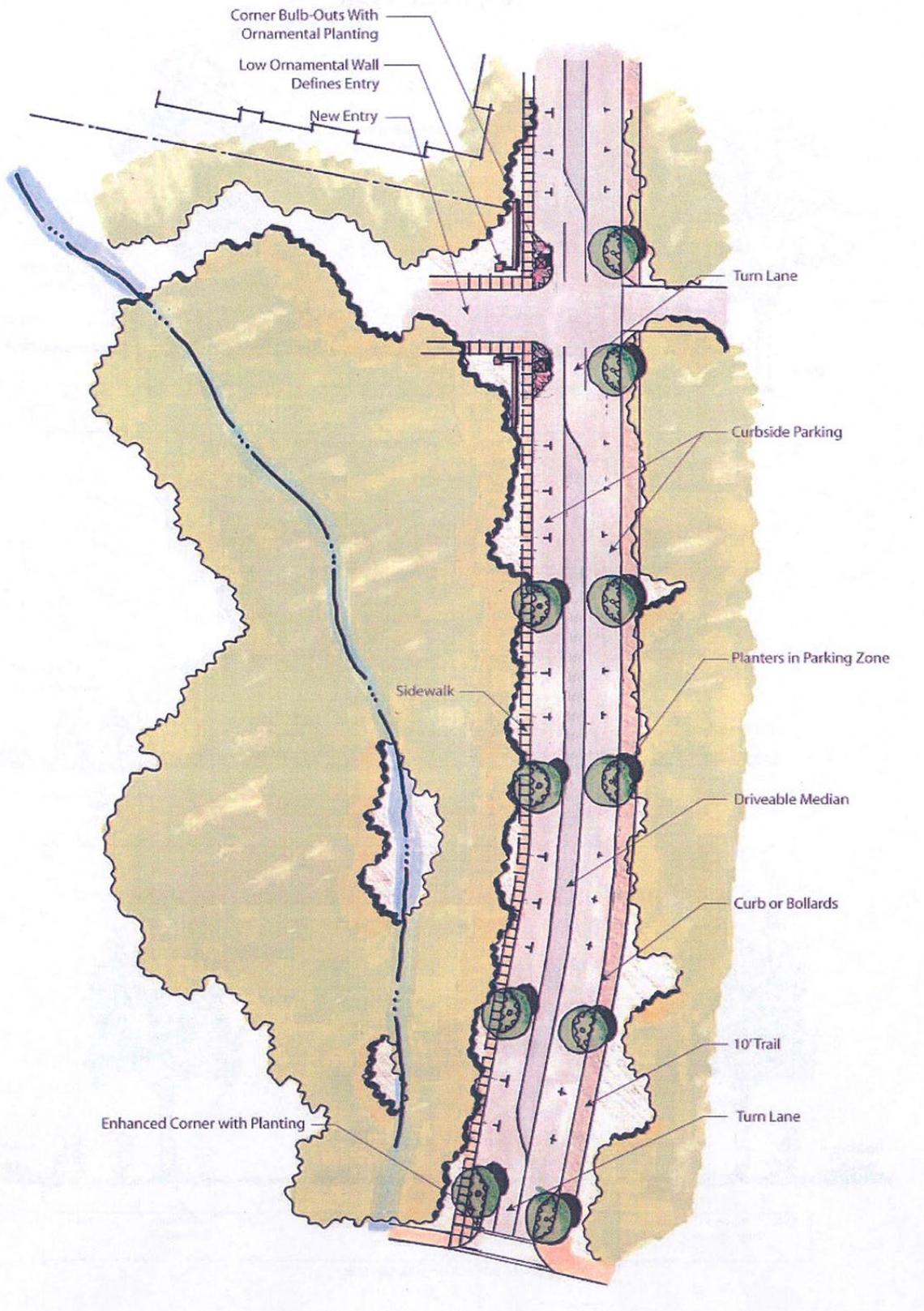
# Example of Commercial Center frontage



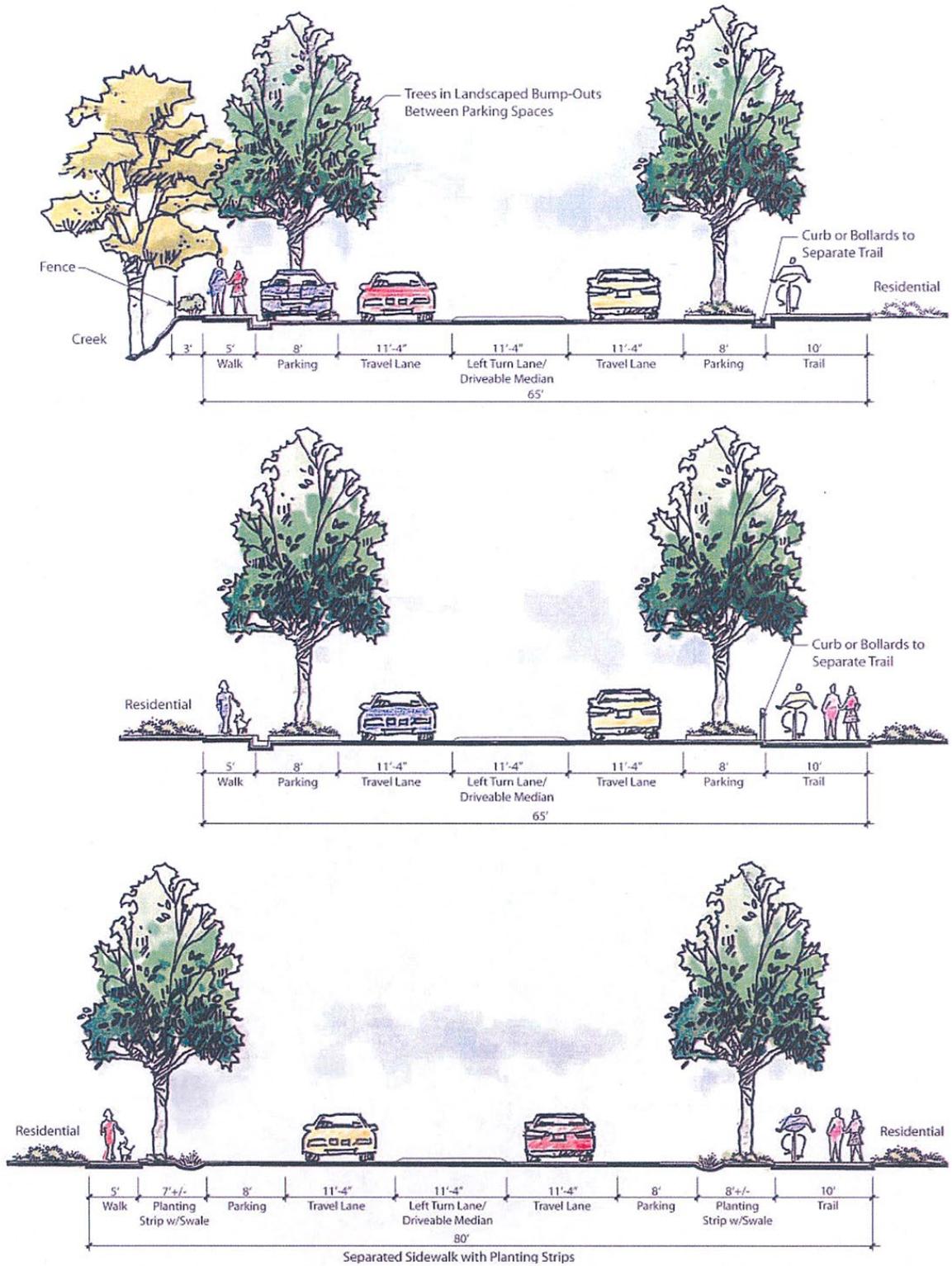
# Example of an Intersection with a Four to Two Lane Transition



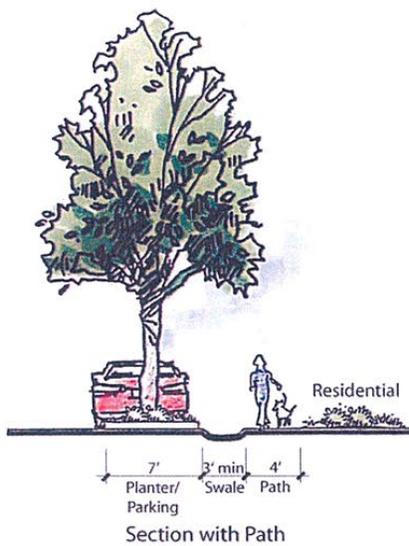
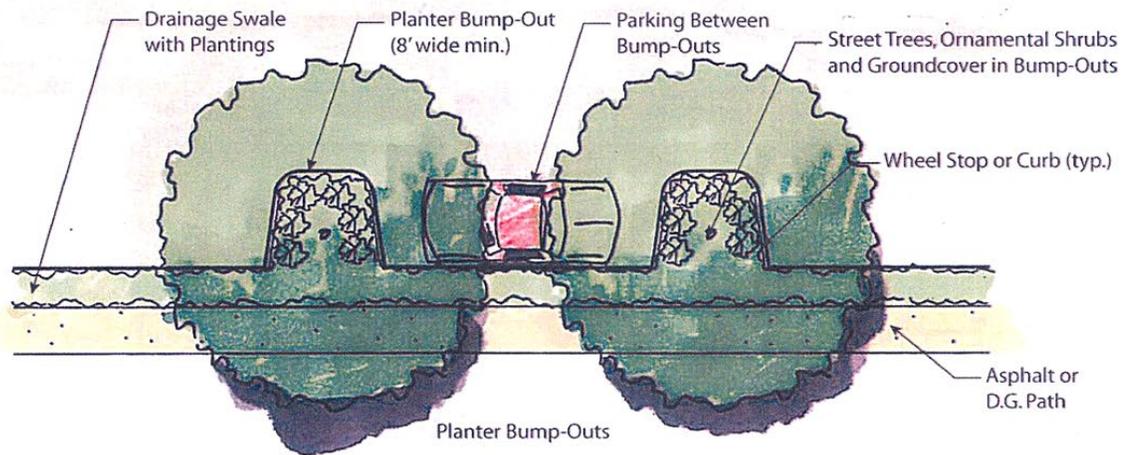
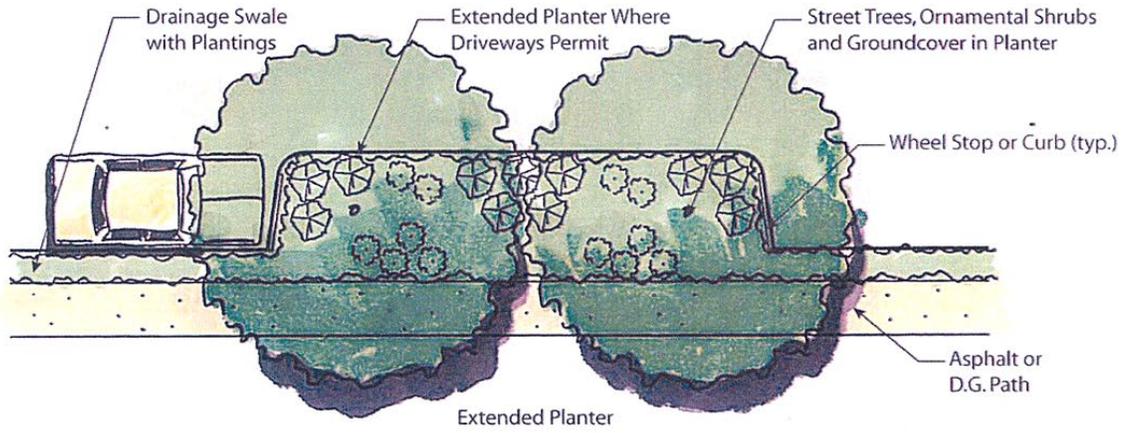
# Example of a Two Lane Road with Drivable Turn Lane/Median and Adjacent Trail



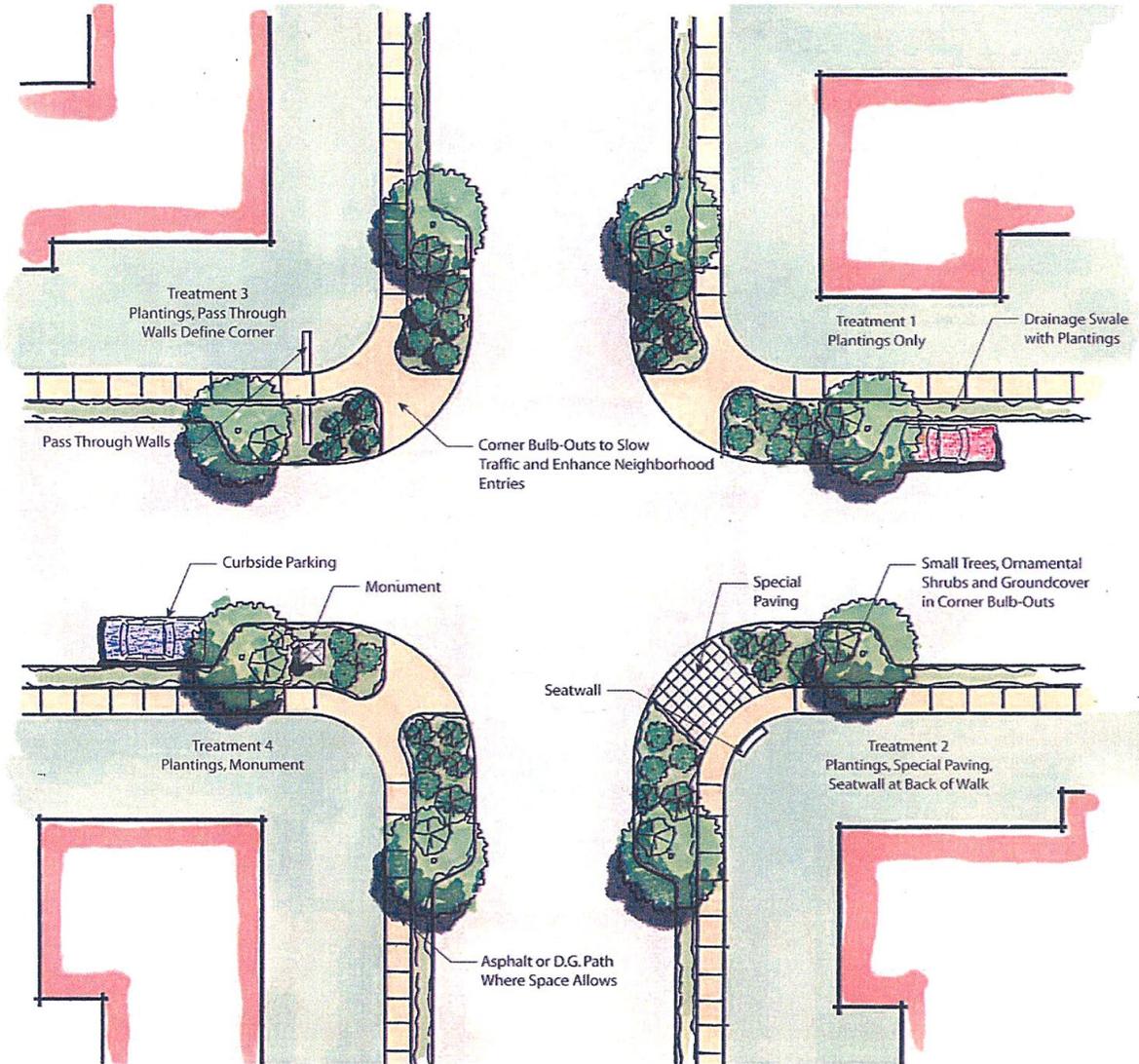
# Examples of a Two Lane Road with Drivable Turn Lane/Median and Adjacent Trail



# Example of Planters in the Parking Zone

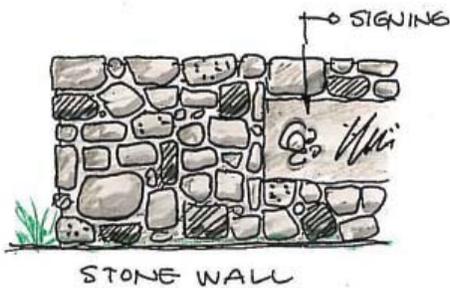
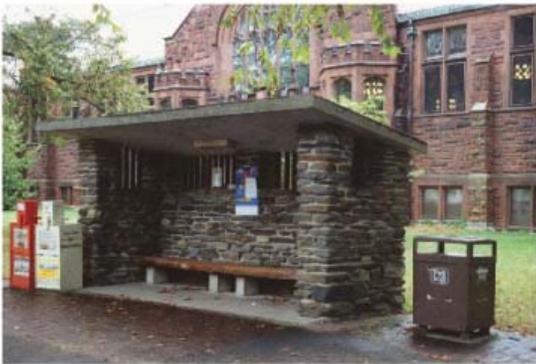
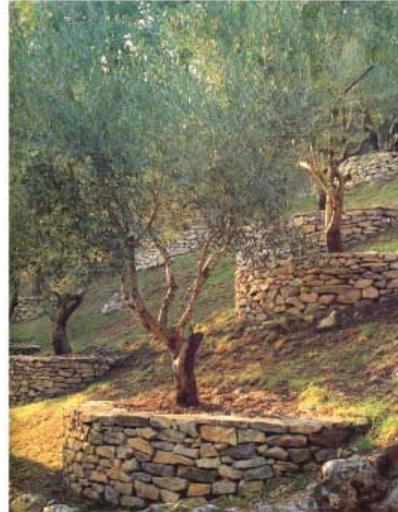
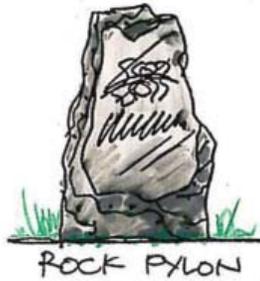
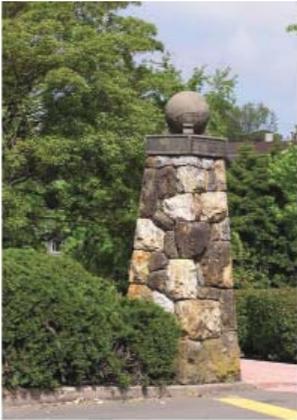


# Example of Residential Corner Options



## Example Site Elements

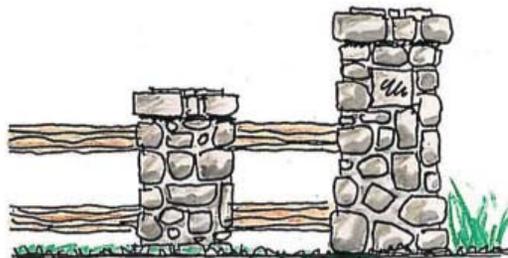
Hardscape elements and site furnishings should reflect Moraga's semi-rural character. Use of natural material, particularly stone, is appropriate. The following pages show examples of site elements and furnishings that may be compatible with Moraga's sense of place.



STONE WALL



TIMBER

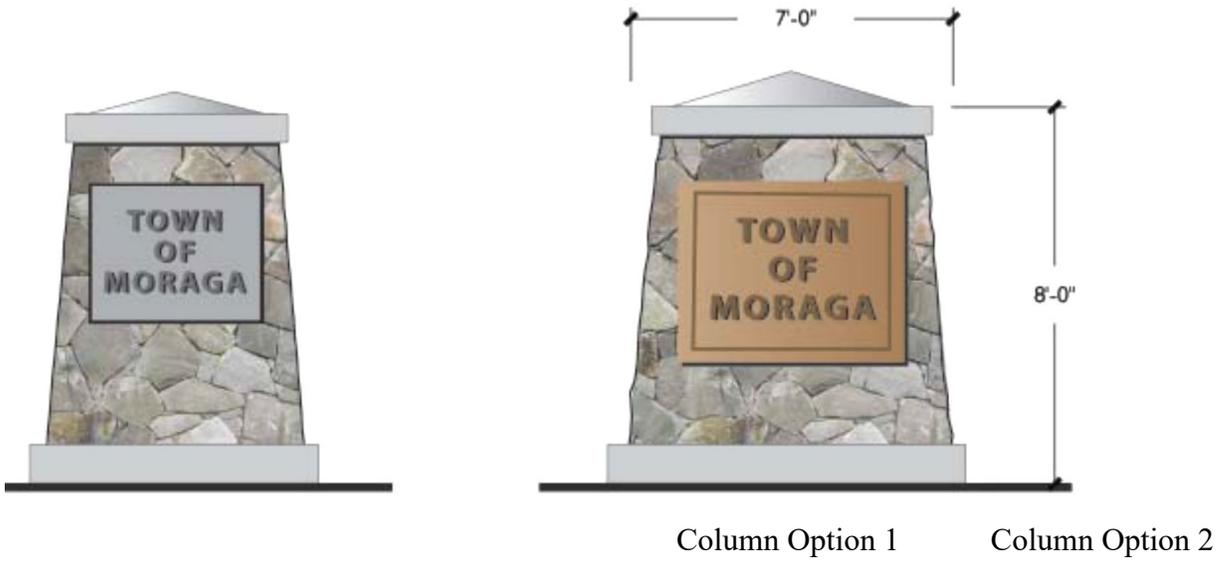


TIMBER and ROCK PYLONS

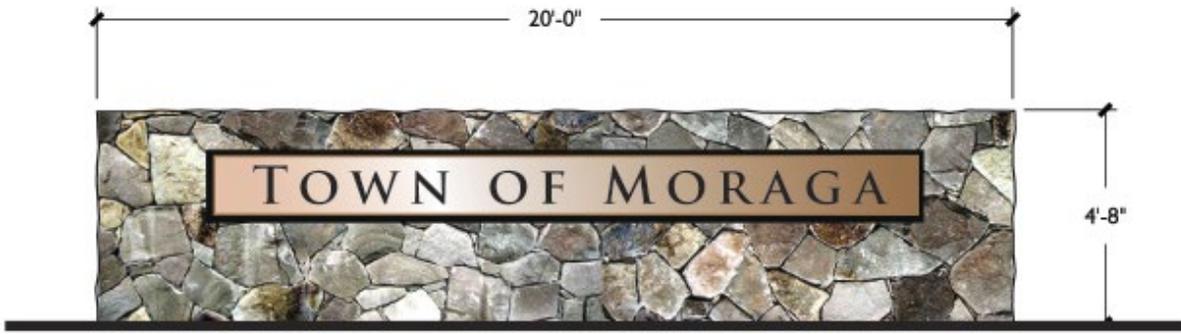
**SIGNAGE AND MONUMENTS**



Existing Signage



SIGNAGE



**SITE FURNISHINGS**



**LIGHTING**





# **APPENDIX D**

## **Moraga Design Guidelines**

### **Single Family Residential Floor Area Ratio (FAR) Guidelines**

**Adopted by the Planning Commission on  
April 15, 2002**

## **I. Purpose**

The purpose of these guidelines is to set forth standards that will help prevent new single family residential homes and additions to existing homes where the size and scale of the proposed home would be out of character with an existing neighborhood or surrounding homes; and to maintain the semi-rural character of the Town, while still providing a variety of house sizes. The guidelines are intended to establish the maximum size of a home based on the size of the property, in order to achieve the following goals:

- a. Maintain the existing character of established residential neighborhoods;
- b. Minimize the out-of-scale appearance of large homes relative to their lot size and to other homes in a neighborhood;
- c. Minimize loss of light and privacy to neighbors caused by the construction of large homes;
- d. Minimize the dominance of structures on sloping hillside properties;
- e. Minimize the environmental damage of tree removal and grading or destruction of natural features which may result from overbuilding;
- f. Permit reasonable expansion of existing dwellings.

## **II. Applicability**

These FAR guidelines apply to new single-family residences, additions and remodels to existing residences, and infill development involving new single-family residences. These guidelines do not apply in cases where the Planning Commission or Town Council established alternative FAR standards for new homes approved as part of a Planned Development or Major Subdivision project.

The reviewing body has the authority to permit a floor area greater than the maximum allowed provided that appropriate findings are made as described in Section VI - Modifications. If the findings are geotechnically related, they should be supported by a site specific geotechnical analysis consistent with the Town's General Plan.

The maximum permitted FAR for a proposed project will be determined by the Town through the Design Review and permit approval process. The Town may require a reduced FAR depending on individual site characteristics such as parcel size, visibility from streets and other public places, proximity to adjacent development, and project design.

## **III. Definitions used in these guidelines**

- a. ATTIC means that space of the building above a story and which is not habitable and may be utilized for storage. The space must be unconditioned.
- b. BASEMENT means that portion of a building, which is either partly above finished ground surface or all below finished ground surface found between the floor and ceiling or finished floor level directly above. If the height between the ceiling and the finished ground surface adjoining the exterior walls exceeds six feet at any point or if it is utilized as a habitable space/room, the space will be considered a story.
- c. FLOOR AREA RATIO means the ratio of the buildings gross floor area divided by the net lot area.
- d. GROSS FLOOR AREA means the sum of:
  - (1) The area measured on outside walls of the first story of the dwelling;

- (2) Garage area measures on outside walls;
  - (3) That portion of any first story room with a ceiling height of 15 feet or more and not a part of a second story;
  - (4) Area of the second story measured on outside walls;
  - (5) The area of that portion of any attic space that has a clear height of 7 feet above the floor;
  - (6) The area of accessory structures greater than 400 square feet in area with permanent foundations, measured on outside walls.
- e. INFILL DEVELOPMENT means the development of a lot(s) within an existing subdivision.
  - f. LOT AREA means the area of a lot in square feet, excluding access easements.
  - g. MAXIMUM ALLOWABLE FLOOR AREA means the maximum floor area that may be developed on a lot, based on the lot size.

#### **IV. Exemptions**

Each of the following structures is excluded from the calculation to determine the maximum allowable floor area.

- a. A one-time only building addition of 200 square feet or less in area to an existing residence, if no other additions have been previously approved;
- b. A basement or attic, as defined by these guidelines;
- c. An accessory building(s) with a total area of less than 400 square feet, other than a garage or carport; and
- d. A covered or uncovered balcony, porch, and deck.
- e. A legally constructed building which exceeds the maximum floor area permitted by the guidelines and which is destroyed by fire, flood, landslide or other act of nature. Such a building may be rebuilt with up to the same amount of floor area, subject to approval in accord with Section 8-1704 of the Town's Municipal Code.
- f. A new residence in a Planned Development or Major Subdivision, where the maximum floor area of the new homes was approved by the Planning Commission and/or the Town Council.

#### **V. Maximum Floor Area.**

Table 1 shows the maximum FAR guidelines that apply to proposed homes on a lot with an area of 1 acre or less.

**Table 1: Maximum Floor Area – Lots 1 Acre and Less**

<b>Lot Size (sq. ft.)</b>	<b>FAR</b>	<b>Home Size (sq. ft.)</b>
4,999 and less		1,900
5,000	0.380	1,900
5,200	0.378	1,965
5,400	0.376	2,030
5,600	0.374	2,094
5,800	0.372	2,157
6,000	0.370	2,220
6,200	0.368	2,281
6,400	0.366	2,342
6,600	0.364	2,402
6,800	0.362	2,461
7,000	0.360	2,520
7,200	0.358	2,577
7,400	0.356	2,634
7,600	0.354	2,690
7,800	0.352	2,745
8,000	0.350	2,800
8,200	0.348	2,853
8,400	0.346	2,906
8,600	0.344	2,958
8,800	0.342	3,009
9,000	0.340	3,060
9,200	0.338	3,109
9,400	0.336	3,158
9,600	0.334	3,206
9,800	0.332	3,253
10,000	0.330	3,300
10,200	0.328	3,345
10,400	0.326	3,390
10,600	0.324	3,434
10,800	0.322	3,477
11,000	0.320	3,520
11,200	0.318	3,561
11,400	0.316	3,602
11,600	0.314	3,642
11,800	0.312	3,681
12,000	0.310	3,720
12,200	0.308	3,757
12,400	0.306	3,794
12,600	0.304	3,830
12,800	0.302	3,865
13,000	0.300	3,900
13,200	0.298	3,933
13,400	0.296	3,966
13,600	0.294	3,998
13,800	0.292	4,029

<b>Lot Size (sq. ft.)</b>	<b>FAR</b>	<b>Home Size (sq. ft.)</b>
14,000	0.290	4,060
14,200	0.288	4,089
14,400	0.286	4,118
14,600	0.284	4,146
14,800	0.282	4,173
15,000	0.280	4,200
15,200	0.278	4,225
15,400	0.276	4,250
15,600	0.274	4,274
15,800	0.272	4,297
16,000	0.270	4,320
16,200	0.268	4,341
16,400	0.266	4,362
16,600	0.264	4,382
16,800	0.262	4,401
17,000	0.260	4,420
17,200	0.258	4,437
17,400	0.256	4,454
17,600	0.254	4,470
17,800	0.252	4,485
18,000	0.250	4,500
18,200	0.248	4,513
18,400	0.246	4,526
18,600	0.244	4,538
18,800	0.242	4,549
19,000	0.240	4,560
19,200	0.238	4,569
19,400	0.236	4,578
19,600	0.234	4,586
19,800	0.232	4,593
20,000	0.230	4,600
21,000	0.22	4,720
22,000	0.22	4,820
23,000	0.21	4,910
24,000	0.21	4,990
25,000	0.20	5,060
26,000	0.20	5,120
27,000	0.19	5,170
28,000	0.19	5,215
29,000	0.18	5,255
30,000	0.18	5,290
31,000	0.17	5,320
32,000	0.17	5,346
33,000	0.16	5,369
34,000	0.16	5,389
35,000	0.15	5,406
36,000	0.15	5,422
37,000	0.15	5,437

Lot Size (sq. ft.)	FAR	Home Size (sq. ft.)
38,000	0.14	5,451
39,000	0.14	5,464
40,000	0.14	5,476
41,000	0.13	5,486
42,000	0.13	5,493
43,000	0.13	5,498
43,560	0.13	5,500
Greater than 1 acre		5,500 [1]

[1] Applies only to homes that would be visible from a scenic corridor.

For lots greater than one acre where the home would be visible from a scenic corridor, the maximum home size is 5,500 square feet. If a home on a lot greater than one acre would not be visible from a scenic corridor, the maximum size of the home shall be as determined by the Design Review Board and/or Planning Commission after consideration of Town policies applicable to the size and scale of proposed new homes.

The maximum gross floor area is determined by multiplying the net square footage of the parcel by the floor area ratio. The maximum floor area shall be adjusted downward in increments of two-tenths of one percent (.002) based upon each additional 200 square feet of net parcel area. For example, a lot with a net parcel size of 10,350 square feet will have a maximum floor area ratio of .328 and a maximum permitted house size of 3,394 square feet.

It is the responsibility of the property owner to provide accurate site and building area data to the Town. The Town, at its sole discretion, may require that the data be prepared at owner's expense by a licensed surveyor or civil engineer.

The maximum FAR guidelines in Table 1 is a starting point for the Town's analysis of a proposed project and do not create any entitlement for an applicant. In each case, site-specific factors may require the Town to reduce the allowed maximum floor area below the default maximum FAR guidelines shown in Table 1. Table 1 does not account for all constraining factors, including but not limited to:

- A buildable area on the lot that is significantly smaller than the total lot size, thus necessitating an unusual siting or building design approach.
- Adjacent existing homes that are significantly smaller than would be allowed by Table 1.
- Lot size in combination with hillside location would result in significant visual impacts on adjacent or nearby existing homes.

Infill lots and remodel expansion projects are often especially challenged by these factors and may require reduced floor areas below the Table 1 values. The maximum FAR for each project shall be evaluated based on the site-specific characteristics.

## **VI. Modifications**

The reviewing body may grant a modification to the FAR standards with appropriate findings relating to the goals identified under Section I (Purpose). The reviewing body should not grant a modification to the FAR standard for projects with one or more of the following adverse design characteristics:

1. Any building addition that requires a variance to a front, side or rear yard property line setback.
2. The use of multiple or stacked retaining walls or retaining walls higher than three (3) feet to create level yard areas on hillside lots.
3. The lack of sufficient driveway maneuvering space or very tight turning radius for access in and out of garages or insufficient guest parking on lots with less than 45- feet of frontage to a public street.
4. Angled exterior wall solely for the purpose of making the house plan conform to the minimum building setback from a property line that is not parallel with the existing building.

The reviewing body may grant a modification to increase the allowed FAR only for projects with low visibility from neighboring properties, streets and other public places. The Town may allow increased FAR to accommodate reasonable use and enjoyment of properties where new development would not create visual impacts or diminish the quality of life for surrounding properties.

# ATTACHMENT C

Draft Zoning Code, redline and strikeout

## **Title 8 – Planning and Zoning**

*Proposed amendments and additions to implement Moraga Center Specific Plan in red.*

*Existing items proposed for removal in ~~strikethrough~~.*

### **Chapter 8.04 – General Provisions and Definitions**

#### **8.04.020 – Definitions.**

"Accessory Dwelling Unit", or "ADU," means a residential dwelling unit attached to or detached from an existing primary unit, or entirely enclosed within an existing building, which provides complete independent living facilities for one or more persons. It shall include permanent provisions for living, sleeping, eating, cooking, and sanitation on the same parcel where the existing primary unit is situated. An accessory dwelling unit also includes the following:

- A. An efficiency unit, as defined in Section 17958.1 of the California Health and Safety Code.
- B. A manufactured home, as defined in Section 18007 of the California Health and Safety Code.

"Adjacent to the parking spaces for the existing primary unit" means within fifteen (15) feet of the nearest edge of the parking structure (garage or carport) including any storage areas within the parking structure; or within fifteen (15) feet of a legal, uncovered parking space for the existing primary unit.

*"Adult Day Care Center" means a state-licensed facility that provides nonmedical care and supervision for dependent adult clients for periods of less than 24 hours for any client.*

"Adult (Sex-oriented) Business" means a business establishment or concern which as a regular and substantial course of conduct offers, sells or distributes adult-oriented material or sexually oriented merchandise, or which offers to its patrons materials, products, merchandise, services or entertainment characterized by an emphasis on matters depicting, describing, or relating to specified sexual activities or specified anatomical areas.

"Agriculture" means the tilling of soil, the raising of crops, horticulture, dairying, and the raising and managing of livestock, *and any accessory buildings or structures for agricultural activities.*

*"Animal Services" means any of the following:*

- A. *"Boarding, kennel" means a commercial establishment that provides overnight boarding for household pets as a paid service and/or breeding services. This classification does not include animal hospitals that provide 24-hour accommodations for animals receiving medical services. (See also "Hospital, veterinary clinic" under "Animal Services.")*
- B. *"Dog day care, dog training" means a commercial establishment that provides less than 24-hour keeping, boarding, or training for household pets as a paid service. This classification does not include facilities that provide overnight accommodations.*

- C. "Grooming" means a commercial establishment that provides household pet grooming services with no boarding services.
- D. "Hospital, veterinary clinic" means office and indoor medical treatment facilities used by veterinarians, including large and small animal veterinary clinics, and animal hospitals. (See also "Boarding, kennel" under "Animal Services.")

"Antique, Collectible Stores" means a retail establishment that sells antiques, curios, gifts and souvenirs, and collectible items including sports cards and comic books. This classification does not include stores selling other types of secondhand items, including clothing, household items, or furniture, including consignment stores or pawn shops (See "Restrictions" under "Retail Business").

"Area A" means the 6.135-acre area of the R-20 district designated as Area A on the MCSP Zoning Map in Chapter 8.200 ~~map attached hereto~~.

"Area B" means the portion of the R-20 district not designated as Area A and designated as area B on the MCSP Zoning Map in Chapter 8.200 ~~means the balance of the property included in the R-20 district designated as area B on the map attached hereto~~.

"Assembly or Meeting Facility" means a facility for public or private meetings, including community centers, civic and private auditoriums, Grange halls, union halls, meeting halls for clubs, lodges and other membership organizations. Also includes functionally related internal facilities such as kitchens, multi-purpose rooms, and storage. Does not include conference and meeting rooms accessory and incidental to another primary use that are typically used only by on-site employees and clients, and occupy less floor area on the site than the offices they support (see "Offices"). Does not include sports or other commercial entertainment facilities (see "Cultural institution"; "Theater, auditorium"; and "Sports and entertainment, assembly" under "Recreational Facilities"). Does not include religious facilities (see "Religious Facilities" and "Major Religious Facilities").

"Assisted Living" see "Congregate Care".

"Attached ADU" means an ADU that does not qualify as a fully contained ADU and that is located at least partially within a newly constructed expansion of, or addition to, an existing primary unit.

"Automobile Services and Repair" means any of the following:

- A. "Car wash, attended" means a commercial facility for washing cars where a service attendant washes the vehicle using on-site equipment or the car operator drives through an automated car washing and drying facility. An owner or his representative is on location to participate in the operation of the facility.
- B. "Car wash, unattended" means a commercial facility where the car operator uses water hoses, soap dispensers, drying and other on-site equipment to wash the vehicle with no facility owner or representative present during the washing. For example, the customer feeds coins into a machine in order to operate the hoses and drying vacuums for a set period of time.

- C. "Gas station" means a commercial facility that sells gasoline and/or diesel fuel for the on-site fueling of individual vehicles and may include a small mini-mart, minor maintenance/repair facilities and services, and unattended car wash as incidental uses. This classification does not include vehicle or truck rentals such as U-haul rentals or fleet services. (See "Vehicle and Equipment Facilities.")
- D. "Maintenance services" means an establishment that provides maintenance services as opposed to repair while customers wait, such as oil changes, tune-ups, smog checks, tire sales and installation, auto radio/electronics installation, auto air conditioning/heater service, and the sale of related parts and accessories. There is no overnight storage and most work is performed within a building or under covered bays.
- E. "Major repair/body work" means an establishment that provides major repair that may require vehicles to be stored on an overnight basis such as body and fender work, vehicle painting, transmission shops, exhaust and suspension systems, engine overhauls involving the removal of engine blocks, painting and undercoating, glass replacement, upholstery and convertible top service, radiator, transmission, and wheel and axle repair. This classification does not include vehicle dismantling or salvaging and tire retreading or recapping.
- F. "Minor repair" means an establishment that provides repair, service, alteration, restoration, painting, cleaning, or maintenance of automobiles, light-duty trucks, motorcycles, including the sale, installation, and servicing of parts, where repairs are made or service provided in enclosed bays. Activities could include auto detail or brake and muffler work.
- G. This classification does not include automobile repair when incidental to a new car dealership (see "Dealership" under "Automobile Sales and Rental/Leasing"), and dismantling and salvage yards (see "Automobile wrecking, dismantling yard"), or repair of heavy trucks, construction vehicles, motor homes, and recreational vehicles (see "Heavy vehicle and large equipment, sales/rental, service, and repair" under "Vehicle and Equipment Facilities")

"Banks and Financial Services" means any of the following:

- A. "Bank, credit union" means a financial institution that provides retail banking services. Examples include institutions engaged in the on-site circulation of money, including credit unions. This classification does not include check cashing businesses.
- B. "Bank with drive-through service" means a facility where banking services may be obtained by motorists without leaving their vehicles.
- C. "Check cashing business" means an establishment that provides compensation for checks, warrants, drafts, money orders, or other commercial paper serving the same purpose. This classification also includes establishments offering deferred deposits, whereby the check casher refrains from depositing a personal check written by a customer until a specific date pursuant to a written agreement as provided in California Civil Code Section 1789.33.
- D. The above facilities may include automatic teller machines (ATM's).
- E. This classification does not include state or federally chartered banks, savings associations, credit unions, or industrial loan companies and retail sellers that cash checks or issue money orders incidental to the main business.

“Banquet Hall” means a space or venue intended for hosting of a party, banquet, wedding or other reception, or other social event.

“Big Box Retail Business” means a retail establishment that is over 80,000 square feet that engages in the sale or rental retail goods, wares, merchandise, services and other personal or real property.

"Building" means a structure, whether free-standing or attached, enclosed by exterior and/or interior or party walls, or a combination thereof, that is covered by a single roof structure, and which may house single or multiple tenants or tenant spaces.

“Building Materials Sales and Services” means an indoor or outdoor establishment selling building and landscaping materials such as cabinetry, fixtures, flooring, glass, lumber, paint, wallpaper, electrical and HVAC equipment, plants and landscaping materials including rock, stone, and masonry products to the general public. Establishments may include stores with indoor service areas and showrooms. Does not include large format retail home stores in buildings over 80,000 square feet (see “Big Box Retail Business”). May include Outdoor Storage.

“Business Support Services” means an establishment that provides goods and services primarily to other businesses. Examples include:

- A. Graphics, and advertising services.
- B. Bookkeeping.
- C. Computer-related services.
- D. Copying and blueprint services.
- E. Office equipment rental and leasing.
- F. Publishing services.
- G. Secretarial, word processing and temporary clerical services.
- H. This classification does not include professional, executive, editorial, or management services. (See “Professional Services”),

“Catering Service” means a business that prepares food for consumption on the premises of a client or at any other location separate from where the food was prepared.

“Child Day Care Center” means facilities that provide nonmedical care and supervision of minors for periods of less than 24 hours. These facilities, all of which are required to be licensed by the California State Department of Social Services, include the following:

- A. “Family day care home,” as defined by Health and Safety Code Section 1596.78, means a home that regularly provides care, protection, and supervision for 14 or fewer children in the provider’s own home, for periods of less than 24 hours per day, while the parents or guardians are away, including the following:
  - 1. Small. A day care facility in a single-family dwelling where an occupant of the residence provides childcare for six or fewer children under the age of six or up to eight children when two of the children are at least six years of age, including children under the age of 10 years who reside at the residence.

2. Large. A day care facility in a single-family dwelling where an occupant of the residence provides childcare for seven to 12 children under the age of six or up to 14 children when two of the children are at least six years of age, including children under the age of 10 years who reside at the residence.
- B. "Nursery School, Preschool, Childcare" means a commercial or nonprofit child day care facility designed and approved to accommodate 15 or more children. Examples include nursery schools, preschools, and day care facilities. These may be operated in conjunction with a school or church facility, or as an independent land use.

"Congregate Care Housing", also known as "Residential Care Facility" and "Assisted Living", means housing with individual living units which provides residents with central management, a minimum of two meals per day in a central dining facility, transportation services, recreational activities and facilities, and social activities and facilities. These facilities may also include additional maid and linen service, sundries, beautician, banking and other similar services where they are appurtenant to the congregate care use on the site. Congregate care housing may also be conjoined with a nursing and medical facility.

"Contractors, Special Trade" means the following:

- A. "Cabinet shop" means a facility that provides indoor and outdoor carpentry workspace, as well as areas where finished products are sold.
- B. "Sheet metal shop" means a facility that provides indoor and outdoor sheet metal fabrication workspace, as well as areas where finished products are sold.
- C. "Lumber yard" means a facility that provides outdoor storage facilities operated by, and/or on behalf of, a licensed construction or landscape contractor for the storage of lumber materials and products along with vehicles and equipment commonly used for receiving, processing, storing, and delivering lumber. The facility may include an office and other indoor working or storage space.
- D. "Contractor office, no outdoor storage" means a facility with offices operated by, and/or on behalf of, a licensed construction or landscape contractor. It may include indoor working or storage space for the storage of materials, equipment, vehicles, and other materials commonly used in the individual contractor's type of business including repair and maintenance of the equipment and vehicles, and related buildings or structures for such use. The facility does not include outdoor working or storage space.
- E. "Contractor yard, with outdoor storage" means a facility that provides outdoor storage facilities operated by, and/or on behalf of, a licensed construction or landscape contractor for the storage of materials, equipment, vehicles, and other materials commonly used in the individual contractor's type of business including repair and maintenance of the equipment and vehicles, and related buildings or structures for such use. The facility may include an office and other indoor working or storage space.

"Convenience Store" means a business establishment that engages in the retail sale of food, beverages, sundries and other small, personal convenience items, primarily for off-premises consumption and

typically found in establishments with long or late hours of operation and in relatively small buildings or tenant spaces.

“Creeks and Drainage Channels” means any creeks, channels, and tributaries shown in the map titled “Moraga Storm Drainage System”, as may be amended, on file with the Town of Moraga Public Works Department.

“Cultural Institution” means a public or quasi-public facility that provides displays, entertainment, display of art or science objects, including performing arts centers for theater, dance, and events, museums, historical sites and exhibits, art galleries, and botanical gardens and may include retail uses such as a gift shop, bookshop, or restaurant.

"Density Bonus" means an increase in the established residential density in accordance with Government Code Section 65915 et seq.

"Dependent Senior Residential Dwelling Unit" means a "Residential Dwelling Unit" without provisions for cooking within the unit, provided that one hundred (100) percent of the housing meets the requirements of Section 51.3 of the California Civil Code and that cooking and eating facilities are provided on site.

"Detached ADU" means an ADU that does not qualify as a fully contained ADU and that is located at least partially within new construction that is part of a physical structure which is detached from the existing primary unit. More specifically, a detached ADU is located within a newly and legally constructed separate accessory building, or a newly constructed expansion of, or addition to, a pre-existing legally constructed separate accessory building.

"Discretionary Review Process" means the review processes identified in MMC Chapters 8.72, 8.48 and 8.132, if applicable.

“Drive-in Service” means a feature or characteristic of a use involving the sale of products or the provision of services to an occupant in a vehicle and includes a drive-in or drive-up window or a drive-through service, such as mechanical automobile washing or a drive-through pharmacy or bank.

“Eating and Drinking Establishments” means any of the following:

- A. “Bar, night club, lounge” means an establishment that serves beer, wine, and distilled spirits on the premises under a Type 48 License (On-Sale General for Public Premises) issued in accordance with applicable California Department of Alcoholic Beverage Control regulations.
- B. “Micro-brewery/micro-distillery” means a facility for the production and packaging of alcoholic beverages for distribution, retail, or wholesale, on or off premises and which meets all applicable California Department of Alcoholic Beverage Control regulations.
- C. “Restaurant, full service” means a restaurant that prepares food, may include alcoholic drinks, and serves seated customers who select food from a menu. Take-out service is optional and may not be available.
- D. “Restaurant, limited service” means an establishment that prepares food or sells packaged food for on-site consumption, take-out, or delivery. Typically customers self-serve or are served partially.

This classification includes cafeterias, delicatessens, fast-food restaurants, sandwich shops, pizza parlors, snack bars, take-out restaurants, and catering businesses or bakeries that have a storefront restaurant component.

- E. "Restaurant with drive-in service" means a restaurant where food or coffee type beverages may be purchased by motorists who remain in their vehicles during the sales transaction.
- F. "Restaurant with live entertainment" means a full service or limited service restaurant that also provides live music, a disc jockey, karaoke, dancing to live or recorded music, and/or comedy or theatrical performances to patrons. This classification does not include coin-operated music player machines, i.e., jukeboxes, or other recorded music.
- G. "Tasting room" means a facility allowing on-site tasting of alcoholic beverages and retail sales directly to the public and possessing the appropriate California Department of Alcoholic Beverage Control license type. The tasting room may be operated within a micro-brewery/micro-distillery facility, accessory to a separate on-site use, or as a stand-alone retail use. Outdoor eating areas shall be permitted as an accessory use to a tasting room consistent with CDC 18.200.190, Sidewalk cafes and outdoor eating areas.
- H. All Eating and Drinking Establishments may include outdoor seating.

"Emergency Shelter" means housing in conformance with requirements under Chapter 8.164 with minimal supportive services that is designed for and occupied by homeless persons for no more than six months in a consecutive 12-month period.

"Existing Primary Unit" means an existing single-family residence with a valid certificate of occupancy.

"Firearm Store" means a retail store or wholesale business that derives its principal income from buying and selling firearms, with or without sale of ammunition and/or firearms accessories.

"Fitness Facility, Health Club" means a large scale fitness center, health, or athletic club with activities and facilities such as fitness centers, fitness classes, gymnasiums, indoor and outdoor sport courts, spa facilities, swimming pools, and other member facilities and services. This classification may include limited retail sales and restaurant facilities. This classification does not include adult entertainment businesses [See "Adult (Sex-oriented) Business"].

"Food, Beverage Sales" means any of the following:

- A. "Convenience store" means a neighborhood serving establishment that sells a range of food and merchandise oriented to daily convenience shopping needs such as limited groceries, prepackaged food, tobacco products, beverages, and other household goods for off-site consumption. A convenience store may be part of a service station or an independent land use and may typically have late hours or 24-hour operation. Convenience stores may include sale of alcoholic beverages.
- B. "Grocery store" means a retail establishment where the majority of the floor area open to the public is occupied by food products packaged for preparation and consumption away from the store. This classification includes retail chains that carry a full range of food and household products and have more than one location. Grocery stores may include sale of alcoholic

beverages. This also includes retail bakeries where any on-site baking is only for on-site sales. This classification does not include large-scale grocery stores that are combined with a retail store.

- C. "Specialty food shops" means a retail establishment that sells specialty foods such as seafood or meat markets, retail bakeries, and similar uses
- D. "Liquor store" means a retail establishment that sells packaged alcoholic beverages including beer, wine, and distilled spirits. This classification does not include large format retail establishments that have hours of operation similar to retail department stores.

"Fully Contained ADU" means an ADU which is established entirely within the pre-existing building envelope of either (i) an existing primary unit or (ii) any other pre-existing, legally constructed building located upon any lot containing an existing primary unit.

"General Retail Store" means a business establishment that engages in the sale or rental of a broad array of retail goods, wares, merchandise or other personal or real property for profit or livelihood, including grocery stores and pharmacies.

"Government Office" means a facility that provides administrative, clerical, or public contact and/or service offices of a local, state, or federal government agency or service facility. Examples include city halls, post offices, fire stations, and police substations with incidental storage and maintenance of vehicles. This classification does not include facilities such as corporation yards, equipment service centers, and similar facilities that primarily provide maintenance and repair services, and storage facilities for vehicles and equipment. (See "Public maintenance and service facility").

"Hotel" means a facility that provides guest rooms or suites, with or without kitchen facilities, intended or designed for transient lodging and includes any hotel, boutique hotel, motel, inn, guest house, or bed and breakfast at a fixed location. These facilities may include in addition a variety of services such as restaurants, meeting facilities, spas or other personal services, and accessory guest facilities including swimming pools, sport courts, exercise facilities, and accessory retail sales.

"Indoor Entertainment Facility" means a business establishment offering participant and/or spectator/viewer recreation or entertainment within a building, including bowling alleys, billiard halls, movie theaters, karaoke halls, video game arcades and virtual reality gaming cafes. This does not include any establishments or venues offering games of chance, gambling or internet sweepstakes, all of which are prohibited in any zoning district in the town.

"Interior Living Area" means the gross interior horizontal area of a dwelling unit including but not limited to all rooms, hallways, closets, bathrooms and storage areas and specifically including the depth of all walls that divide any interior spaces but excluding the depth of all exterior walls and excluding an enclosed garage.

"Junior Accessory Dwelling Unit," or "JADU," means a residential dwelling unit that provides independent and permanent living facilities for one or more persons (including provisions for living, sleeping, and eating), is no more than 500 square feet in size, and is contained entirely within the pre-existing building

envelope of an existing primary unit. A junior accessory dwelling unit shall include either separate sanitation facilities, or sanitation facilities shared with the existing primary unit.

"Licensed Massage Establishment" means a business which offers or administers massage services by massage practitioners holding a current and valid state certificate issued by the California Massage Therapy Council pursuant to California Business and Professions Code §§ 4600 et seq. as amended from time to time, whether as a massage practitioner or therapist, as defined therein.

"Live Entertainment Venue" means a business establishment which offers participant and/or spectator live entertainment, including concert halls, cabarets, dance halls and dinner theaters.

"Major Religious Facility" means a religious facility with an average weekend attendance of 300 or more people.

"MCSP" means the Moraga Center Specific Plan, adopted in January 2010, as it may be amended.

"Media Production Facility" means a facility that provides indoor commercial and public communication/telecommunication uses, as well as outdoor sets, backlots, and other outdoor facilities for motion picture, television, video, sound, computer, and other communications media production. Indoor communication uses would include radio and television broadcasting, receiving stations and studios with facilities entirely within buildings. This classification does not include exterior-mounted antennas and transmission towers (see "Utility Facility, Transmission Towers") or transmission and receiving apparatus, antennas and towers (see "Wireless Communications Facility").

"Medical" means any of the following:

- A. "Hospital, medical center" means hospitals and similar facilities engaged primarily in providing diagnostic services, and extensive medical treatment, including surgical and other hospital services. These establishments have an organized medical staff, inpatient beds for overnight stays, emergency services, and equipment and facilities to provide complete health care. These facilities may also include accessory uses such as on-site clinics, laboratories, emergency heliports, nursing facilities, extended care facilities, physical therapy, gift shops, retail pharmacies, cafeterias or restaurants, and related uses operated primarily for the benefit of patients, staff, and visitors and on-site ambulance dispatch facilities.
- B. "Medical services facility" means a facility, other than a hospital, where medical, dental, mental health, surgical, and/or other personal health care services are provided on an outpatient basis. A medical services facility use would provide consultation, diagnosis, therapeutic, preventative or corrective treatment services by doctors, dentists, chiropractors, counselors, physical therapists, respiratory therapists, acupuncturists, psychiatrists, psychologists, and similar practitioners of medical and healing arts for humans licensed for such practice by the state of California. This classification does not include counseling services and other services provided by nonmedical or health professionals (see "Offices, Professional" or "Social service facility"), massage therapy (see

“Personal Services, General” or “Personal Services, Restricted”), and cannabis-related uses (see “Cannabis Uses”).

- C. “Nursing facility/extended care” means state-licensed residential facilities that provide 24-hour nursing and health-related care as a primary use with inpatient beds. Examples include board and care homes, convalescent hospitals, rest homes, extended care facilities, and skilled nursing facilities. Long-term personal care facilities that do not emphasize medical treatment are included under residential care facility.
- D. “Urgent care facility” means a state-licensed facility other than a hospital that provides medical care services and treatment on an outpatient basis, with an emphasis on minor emergency care. These facilities may also include incidental medical laboratories. This classification does not include private medical and dental offices.

“Ministerial Review Process” means the review process identified in Section 8.34.080 of this chapter.

“Multi-Use Path” means a paved, off-road facility designed for a variety of non-vehicular travel modes, such as pedestrians and bicycles.

“Multi-Use Trail” means an unpaved, off-road facility designed for a variety of non-vehicular travel modes, such as pedestrians and bicycles.

“Offices” means any of the following:

- A. “Administrative, information processing” means an establishment that provides information processing, computer-dependent, and telecommunications-based activities, typically characterized by high employment densities. Examples include:
  - B. Airline, lodging chain, and rental car company reservation centers (no vehicle storage).
  - C. Computer software and hardware.
  - D. Design and development.
  - E. Consumer credit reporting.
  - F. Data processing services.
  - G. Health management organization (HMO) offices where no medical services are provided
  - H. Insurance claim processing.
  - I. Mail order and electronic commerce transaction processing.
  - J. Wireless communications facility design and management.
  - K. Telemarketing.
  - L. This classification does not include dispatch offices or offices for service-oriented businesses that have company vehicles or require storage of materials or equipment. (See “Fleet-Based Service”).

“Outdoor Retail Sales” means the outdoor retail sales facilities that display of merchandise incidental to an adjacent indoor retail use or are an independent retail use. Includes news and flower stands. Includes nurseries or garden centers. Does not include the sale of automobiles and recreational vehicles (See

“Automobile Sales and Rental/Leasing”), mobile homes, or building or landscape materials (See “Building Materials Sales and Services”).

"Outdoor Living Areas" means an area on the exterior of an ADU that is designed for human use or habitation including but not limited to a patio, deck or yard that can accommodate appurtenances including but not limited to a barbecue pit, an outdoor dining table, a hammock, a lounge chair, a bench or a spa.

“Park and Outdoor Recreational Facilities” means an outdoor recreation facility that provides a variety of recreational opportunities such as playground equipment, open space areas for passive recreation and picnicking, interpretative facilities and trails, and sport and active recreation facilities. This classification includes related community facilities and accessory commercial facilities that provide visitor services. This classification does not include sports recreational facilities, which are intensive recreation facilities such as batting cages, swimming pools, lighted athletic facilities or multiple playing fields. (See “Sports Recreation Facility”).

"Passageway" means a pathway that is unobstructed clear to the sky and extends from the street to one entrance of an ADU.

"Payday Lending Establishment" means a person or entity that offers, originates, or makes a deferred deposit transaction, whereby a person or entity defers depositing a customer's personal check until a specific date, pursuant to a written agreement. "Payday lending establishment" is equivalent to a "deferred deposit originator" as defined in Section 23001(f) of the California Financial Code, as amended from time to time. "Payday lending establishment" does not include a state or federally chartered bank, thrift, savings association, industrial loan company, or credit union.

“Personal Services, General” means an establishment that provides recurrently needed nonmedical services of a personal nature, which may involve the retail sales of products related to the services provided. This classification applies to establishments with a primary focus of household and consumer product repair, as opposed to a retail sales establishment that offers service and repair of their merchandise as an ancillary use. (See “General” under “Retail Business”). Does not include massage services (See “Licensed Massage Establishment”). Examples include:

- A. Barber and beauty shops.
- B. Clothing rental.
- C. Day spas.
- D. Dry cleaning pick-up stores with limited equipment (excludes central dry cleaning plants).
- E. Computer, home electronics and small appliance repair.
- F. Laundromats (self-service laundries).
- G. Parcel delivery.
- H. Pharmacies.
- I. Portrait photography.
- J. Shoe repair shops.
- K. Tailors and seamstresses.

- L. Tanning salons.
- M. Travel agencies.

“Personal Services, Improvement or Instructional” means an establishment that provides instructional services or facilities for personal improvement including fine arts, crafts, dance or music studios, exercise or fitness studios, learning centers, driving schools, photography, diet center, and martial arts. This classification does not include vocational training.

“Personal Services, Other” means an establishment that provides personal services that are not covered by “Personal Services, General” or “Personal Services, Improvement or Instructional”. Examples include:

- A. Bail bonds.
- B. Fortune tellers.
- C. Palm and card readers.
- D. Pawn shops.
- E. Psychic readers.
- F. Spas and hot tubs for hourly rental.
- G. Tattoo and body piercing services

“Professional Services” means an establishment that provides professional, executive, editorial or management services. Examples include:

- A. Accounting, auditing, bookkeeping, financial management and investment services, and tax preparation.
- B. Advertising agencies, commercial art and design services.
- C. Design professionals, architects, engineers, landscape architects, urban planners.
- D. Educational, scientific and research organizations.
- E. Employment agencies.
- F. Legal offices.
- G. Management and public relations services.
- H. Nonmedical counseling services. Examples include, but are not limited to, career or life coaching, financial consulting.
- I. Real estate offices.
- J. This classification does not include dispatch offices or offices for service-oriented businesses that have company vehicles or require storage of materials or equipment. (See “Fleet-Based Service”).

“Public Maintenance and Service Facility” means a facility that provides maintenance and repair services for local, state, or federal government agencies or service facilities, including storage of vehicles, equipment, and materials. Examples include corporation yards, equipment service centers, and similar facilities.

“Religious Facility” means a space or venue intended for people to visit and gather for religious activities, including worship, congregation, and other activities affiliated with the religion, but does not include a Major Religious Facility as defined in this Section.

“Research and Development, or Laboratory” means an establishment that performs laboratory work and/or conducts research, development, and controlled production of high-technology electronics, biotechnology, industrial or scientific products or commodities. Laboratory tasks include testing, analysis, medical, dental, or optical laboratory services, and photographic development services. Other typical tasks include limited manufacturing, fabricating, processing, assembly or storage of prototypes, devices, compounds, products or materials, or similar related activities, where such activities are incidental to research, development or evaluation. All activities in this classification occur within a building. This classification may include uses that produce noise, vibrations, illumination, or particulate matter that is perceptible to adjacent land uses, but not offensive or obnoxious.

"Residential Dwelling Unit" means a building or area within a building that provides complete independent living facilities for one or more persons including permanent provisions for living, sleeping, cooking, eating, and sanitation. A motor home, trailer, camper, dormitory room, motel or hotel room, suite or extended stay unit is not a residential dwelling unit.

"Retail business" ~~means the following: is the sale of retail goods, wares, merchandise, services and other personal or real property, but does not include nightclub, discotheque or massage parlor. Unless otherwise indicated, retail business includes business and professional offices.~~

- A. General: An establishment that sells or rents retail goods, wares, merchandise, services and other personal or real property. Examples include appliances and electronics stores, department stores, office and stationery supplies, bookstores, clothing and apparel, pet stores, specialty food stores selling premade or packaged food for off-site consumption (e.g., candy stores, wine shops), sporting goods, toy stores, and audio and video rental.
- B. Specialty: An establishment that engages in the sale of specific categories of products for profit or livelihood, including furniture stores, appliance stores, clothing stores, and hardware stores.
- C. Shopping Centers: These establishments primarily operate within an enclosed store but may also include permanent and partly enclosed facilities for outdoor display of merchandise when incidental to the main store (e.g., garden centers operated in conjunction with a neighborhood drug store or hardware store). Services related to the merchandise sold may be permitted as an ancillary use (e.g., photo processing, pet grooming, computer repair).
- D. Restrictions: Does not include big box retail (See “Big Box Retail Business”), the sale of used goods such as secondhand stores, used specialty goods store and pawn shops (see “Secondhand Sales”), retail sales or rentals of vehicles and equipment (see “Automobile Sales and Rental/Leasing” and “Heavy vehicle and large equipment, sales/rental, service, and repair” under “Vehicle and Equipment Facilities”), nor outdoor retail sales (see “Outdoor Retail Sales”), convenience stores, and liquor stores (see under “Food, Beverage Sales”).

“Schools” means the following:

- A. “College, university” means public or private institutions of higher education providing curricula of a general, religious, or professional nature, typically granting recognized degrees or certificates, with associated facilities including conference centers and academic retreats associated with such

institutions. This classification does not include business and computer schools, management training, technical and trade schools, and personal instructional services (See "Improvement or instructional" under "Personal Services" and "Trade school, vocational training" under "Schools.")

- B. "Elementary, middle, secondary" means a public or private academic educational institution offering instruction in courses of study required by the California Education Code and maintained in compliance with standards set by the State Board of Education, including elementary (kindergarten through sixth grade), middle and junior high schools (seventh and eighth grades), secondary and high schools (ninth through twelfth grades). Some of these schools also provide room and board.
- C. "Trade school, vocational training" means private institutions that provide education and/or training, including vocational training in limited subjects. Examples include:
  - 1. Business, secretarial, and vocational.
  - 2. Computers and electronics.
  - 3. Courses by mail or online.
  - 4. Seminaries/religious ministry training.
- D. Does not include preschools and child day care facilities (see "Child Day Care"), smaller-scale facilities offering specialized instruction in arts, ballet, dance, music, languages, and martial arts (see "Personal Services, Improvement or instructional"), or after-school tutoring to school-age children (See "Tutoring Facility").

"Secondhand Sales" AA.means an establishment that sells used or new and previously owned goods including jewelry, camera equipment, sound/viewing equipment and tools, often for the purpose of raising funds to benefit religious, educational, hospital or charitable purposes. Goods are generally obtained on consignment, in a trade, and often as a donation.

"Self-storage Facility, Mini-storage" means a facility that provides individual storage spaces or compartmentalized stalls or lockers for individual use and is characterized by low parking demand.

"Senior Housing" means a project consisting of residential dwelling units designed for senior citizens as defined in Section 51.3 of the California Civil Code.

~~"Senior Citizen Housing" means "Senior Housing" a project consisting of residential dwelling units designed for senior citizens as defined in Section 51.3 of the California Civil Code.~~

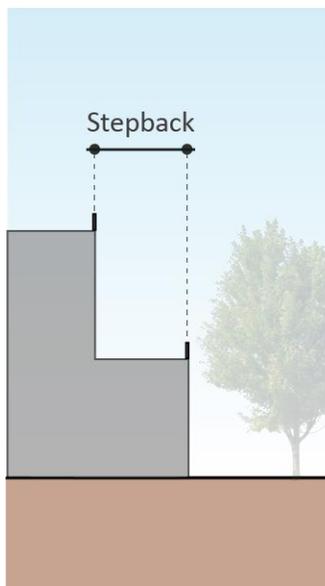
"Site" means the contiguous gross land area within the parcel or parcels on which housing development is located.

~~"Specialty Retail Store" means a business establishment that engages in the sale of specific categories of products for profit or livelihood, including furniture stores, appliance stores, clothing stores and hardware stores.~~

"Sports Recreation Facility" means a public or private facility that provides various outdoor recreational activities. Examples include:

- A. Archery and shooting ranges, outdoor.
- B. Basketball courts.
- C. Batting cages.
- D. Bocce ball courts.
- E. Equestrian facilities.
- F. Fitness training paths and facilities.
- G. Golf driving ranges.
- H. Lighted or amplified outdoor athletic fields or sport courts.
- I. Miniature golf courses.
- J. Skateboard parks.
- K. Swimming pools.
- L. Tennis courts.
- M. Waterslides.
- N. This classification includes park facilities that have one or more of the uses within this classification such as swimming pools or lighted sport courts, etc. May also include accessory commercial facilities customarily associated with the above including concessions, bars and restaurants, electronic games, etc.

“Stepback” is the minimum required distance an upper-story building face is set back from the building face of the ground floor, measured perpendicularly to the building face.



“Structure” means anything constructed or erected that has location on the ground, or is attached to something having location on or in the ground, **except the following:**

- A. Sidewalks and trails, and any appurtenances thereto such as benches;
- B. Pipes, meters, meter boxes, manholes;
- C. Mailboxes; and

- D. Poles, wires, pipes and other devices, and their appurtenant parts, for the transmission or transportation of electricity and gas for light, heat or power, or of telephone and telegraphic messages, or of water.

“Supportive Housing and Transitional Housing” means housing that is linked to an on-site or off-site service that assists residents in retaining the housing, improving their health status, and maximizing their ability to live and, when possible, work in the community.

“Temporary Use” means a use that occupies a site for a limited time, the length of which is determined and granted by the Town through a use permit.

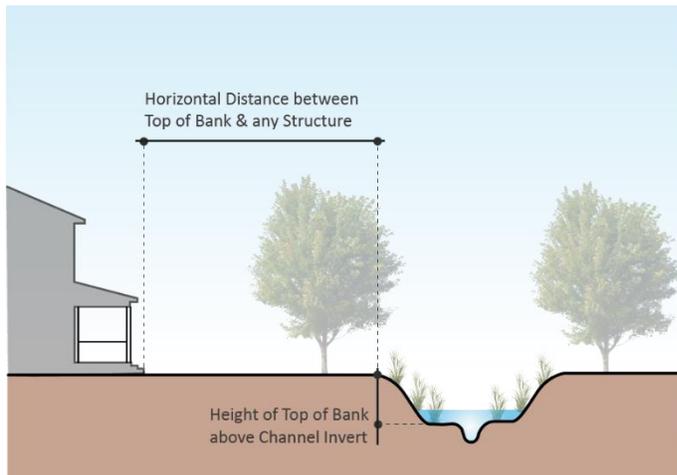
“Theater, Auditorium” means an indoor facility for public assembly and group entertainment, other than sporting events, including:

- A. Civic theaters, and facilities for “live” theater and concerts.
- B. Exhibition and convention halls.
- C. Motion picture theaters.
- D. Public and semi-public auditoriums.
- E. Does not include outdoor theaters, concert and similar entertainment facilities (see “Sports and Entertainment, Assembly”) and indoor and outdoor facilities for sporting events (see “Sports and Recreation Facility”).

"Tobacco Store" means any premises dedicated to the display, sale, distribution, delivery, offering, furnishing, consumption, or marketing of tobacco, tobacco products, or tobacco paraphernalia, including, without limitation, electronic cigarettes ("e-cigarettes") and/or liquid solutions containing nicotine used in such devices; provided, however, that any grocery store, supermarket, convenience store or similar retail use that only sells conventional cigars, cigarettes, e-cigarettes or tobacco as an ancillary sale shall not be defined as a "tobacco store" pursuant to this chapter.

"Top of Bank" means the point where the water surface plus sufficient freeboard for the design average recurrence interval runoff intersects the existing ground, or the point where a line with a slope of 2.5 horizontal to 1 vertical extending from the toe of the channel intersects the existing ground, whichever point is the greatest vertical distance above the channel invert. A separate top of bank shall be determined for each side of the channel. This definition is taken from Section 914-14.012(b) of the Contra Costa County Municipal Code.

“Tutoring Facility” means a facility offering academic after-school tutoring or lessons to school-aged children. This classification does not include schools (See “Schools”).



“Utility Facility, Transmission Towers” means a facility that provides a fixed base structure or facility serving as a junction point for transferring electric utility services from one transmission voltage to another or to local distribution and service voltages, and similar facilities for water supply and natural gas distribution. These uses include any of the following facilities that are not exempted from land use permit requirements by Government Code Section 53091:

- A. Co-generation facilities.
- B. Electrical substations and switching stations.
- C. Natural gas regulating and distribution facilities.
- D. Public water system wells, treatment plants and storage tanks.
- E. Telephone switching facilities.
- F. Wastewater treatment plants, settling ponds and disposal fields.
- G. This classification does not include offices or customer service centers. (See “Administrative, information processing” under “Offices.”)

“Workforce Housing” means housing intended for sale or rental with a unit purchase price or rental amount that is affordable to regionally-employed persons or students of moderate, low, very low, and extremely low income levels as established by the California Department of Housing and Community Development income limits.

“Vehicle and Equipment Facilities” means the following:

- A. “Heavy vehicle and large equipment, sales/rental, service, and repair” means an establishment that sells/rents and may provide service and repairs to construction, farm or other heavy equipment. This classification does not include autos, trucks and other passenger vehicles used for personal or business travel. (See “Automobile Sales and Rental/Leasing” and also “Automobile Services and Repair” for automobiles, motorcycles and other smaller passenger vehicles.)
  - 1. “Commercial vehicles and equipment” means a facility that sells/rents or services and makes repairs to construction, farm, or other heavy equipment, as well as vehicles for

moving or towing property (such as cranes, earthmoving equipment, forklifts, tractors, heavy trucks, cargo trucks, vans, and trailers).

2. "Recreational vehicles" means an establishment that sells, rents and/or leases motor homes, trailers, and boats, including incidental storage, installation of accessories and maintenance. This classification also includes facilities that service or repair recreational vehicles.
- B. "Towing services" means a facility that dispatches tow trucks and provides temporary storage of operative or inoperative vehicles. This classification does not include automobile wrecking or dismantling. (See "Automobile wrecking, dismantling yard.")
- C. "Vehicle storage" means a facility for the storage of operative cars and other fleet vehicles, trucks, buses, recreational vehicles, and other motor vehicles. Includes facilities for the storage and/or servicing of fleet vehicles.

## Chapter 8.24 – One, Two, and Three Dwelling Units per Acre Residential Districts

### 8.24.040 - Uses permitted.

- A. A detached single family dwelling on each lot and the accessory structures and uses normally auxiliary to it;
- B. **Agriculture** (Crop and tree farming with no on-site sales);
- C. **Park and Recreational Facility** ~~Public park, playground or trail and accessory related facilities if the planning commission makes a specific finding that the use is consistent with the general plan;~~
- D. **Accessory Dwelling Units** ~~Secondary living units approved under Chapter 8.124;~~
- E. Supportive housing and transitional housing of the same type allowed in this district;
- F. **Animal** ~~Keeping of small farm animals consistent in accordance~~ with Chapter 8.92, Article 1;
- G. Home ~~Occupations~~ in conformance with Chapter 8.112; and
- H. **Family Day Care Center** ~~Operation of a foster or small family home, family care home, or small family day care home not to exceed six persons in addition to the resident family consistent with state law.~~

### 8.24.050 - Conditional uses.

In these districts, each of the following uses is permitted on issuance of a conditional use permit:

- A. **Animal Keeping in accordance with Chapter 8.92, Article 2;**
- B. **Assembly or Meeting Facility;**
- C. **Religious Facility;**
- D. **Sports Recreational Facility (Private, intended for primary use by residents of the neighborhood or subdivision where it is located);**
- E. A use which the planning commission, after notice and public hearing, has found to be comparable to any of the foregoing uses.
- ~~A. Community building, church, club or activity or a quasi-public social or fraternal character not organized for profit, such as veterans or fraternal organizations;~~
- ~~B. Private recreational facilities and uses not organized and operated for profit, such as a golf, tennis or swimming club intended primarily for use by the residents of a neighborhood or subdivision;~~
- ~~C. The keeping of livestock (see Chapter 8.92, Article 2); and~~

### 8.24.055 – Density.

- A. **One dwelling unit per acre residential.**
  - 1. **No more than one dwelling unit shall be constructed on any one acre, exclusive of streets, except as provided in subsection A(2) of this section.**
  - 2. **The density may be increased on any one acre by following the Planned Development District procedure outlined in Chapter 8.48 if the increased density provides housing opportunities to persons of limited means in compliance with all applicable state laws.**
- B. **Two dwelling units per acre residential.**
  - 1. **No more than two dwelling units shall be constructed on any one acre, exclusive of streets, except as provided in subsection B(2) of this section.**

2. The density may be increased on any one acre by following the Planned Development District procedure outlined in Chapter 8.48 if the increased density provides housing opportunities to persons of limited means in compliance with all applicable state laws.
- C. Three dwelling units per acre residential.
1. No more than three dwelling units shall be constructed on any one acre, exclusive of streets, except as provided in subsection C(2) of this section.
  2. The density may be increased on any one acre by following the Planned Development District procedure outlined in Chapter 8.48 if the increased density provides housing opportunities to persons of limited means in compliance with all applicable state laws.

**8.24.060 – Minimum Lot Area and Yard Setback Regulations.**

- A. The minimum lot area and setbacks for principal structures in the one, two, and three dwelling units per acre residential land use districts are set forth in the following table and shall apply to the extent consistent with state law:

Standard	SFR 1 DU/acre	SFR 2 DU/acre	SFR 3 DU/acre
Minimum lot area	30,000 sq. feet	20,000 sq. feet	10,000 sq. feet
Minimum lot width	140 feet	120 feet	80 feet
Minimum lot depth	140 feet	120 feet	100 feet
Minimum front yard setback (B)	25 feet	25 feet	20 feet (C)
Exterior side yard setback (corner lots)	25 feet	20 feet	15 feet
Minimum side yard setback	20 feet	15 feet	10 feet
Sum of side yards	N/A	35 feet	20 feet
Minimum rear yard setback	25 feet	20 feet	15 feet
Maximum lot coverage	N/A	N/A	60 percent (D)

- B. The front yard setback for two or more lots fronting on a private street is governed by Section 8.68.110.
- C. The portion(s) of the building where the driveway is located shall be setback a sufficient distance to accommodate a minimum driveway length of 25 feet.
- D. The standard marked “D” shall apply only to developments within the Moraga Center Specific Plan area.

**Chapter 8.32 – Six Dwellings per Acre Multifamily Residential District (R-6)**

**8.32.020 – Permitted Uses.**

- A. Each of the following uses is a permitted use in this district:
1. A detached single family dwelling on each lot and the accessory structures and uses normally auxiliary to it;
  2. One duplex residential structure on one lot;
  3. One Accessory Dwelling Unit on each lot approved under Chapter 8.124; and
  4. Supportive housing and transitional housing of the same type allowed in this district.

**8.32.030 – Conditional Uses.**

In this district, each of the following uses is permitted on the issuance of a conditional use permit:

- A. ~~Residential structures with three or more units; other than one duplex on one lot;~~
- B. ~~Offices – Restricted to less than 5,000 square feet and to be located in an area transitional to a commercial or office district;~~
- C. ~~Park and Recreational Facilities;~~
- D. ~~Other uses found by the planning commission at a public hearing to be consistent with the purpose of the district and comparable to any of the foregoing uses.
 
  - 1. ~~Consistent with an overall plan of development,~~
  - 2. ~~Compatible with existing and proposed uses, and~~
  - 3. ~~Proposed to be located in an area transitional to a commercial or office district;~~~~
- E. ~~The keeping of livestock (see Chapter 8.92).~~

**8.32.040 – Density.**

- A. ~~A minimum of four dwelling units per acre, but no more than six dwelling units shall~~ **may** be erected on any one acre, exclusive of streets, except as provided in subsection B of this section and in Goal 4, Policy 8 of the land use element of the general plan.
- B. The density may be increased on any one acre by following **the Planned Development District procedure outlined in Chapter 8.48** if the increased density provides housing opportunities to persons of limited means **in compliance with all applicable state laws.**
- C. ~~Within new condominium projects no more than six dwelling units shall be erected on any one acre exclusive of streets.~~

**8.32.060 – Site Standards Outside the MCSP.**

- A. Minimum Site Standards.

Standard	
Minimum lot area:	10,000 square feet
Minimum lot frontage:	100 feet
Minimum front yard setback:	25 feet
Minimum side yard setback:	25 feet
Minimum side and rear yard setback:	20 feet, but not less than the height of the building.

- B. Increase in Side and Rear Yard Setback Requirements. The design review board upon review of the building permit application, and the planning commission upon review of the conditional use permit application may require an increase or permit a decrease in the minimum side yard or rear yard requirements, or both, upon finding that the adjustment is necessary to establish a proper site planning relationship to existing and proposed uses.
- C. Site Standards for Proposed Subdivision Parcels. The minimum site standards in subsection A of this section are minimum standards and are not intended to apply as a matter of right to a parcel which is proposed to be subdivided. The planning commission shall fix the minimum lot area, frontage, front yard setback and side and rear yard setback requirements for each parcel in this

district which is created by the subdivision process after the date the ordinance codified in this chapter is adopted.

**8.32.065 – Site Standards Within the MCSP.**

The following standards shall apply to the extent consistent with state law for lots within the MCSP.

**A. Minimum Site Standards.**

<b>Standard</b>	<b>1 dwelling unit per lot</b>	<b>More than 1 dwelling unit per lot</b>
Minimum lot area	10,000 square feet	10,000 square feet
Minimum lot frontage	80 feet	80 feet average
Minimum lot depth	100 feet	90 feet
Minimum front yard setback:	25 feet	20 feet (B) 15 feet (secondary frontage for corner lots)
Minimum side yard setback (C)	10 feet	10 feet 20 feet average (for 3-story structures)
Minimum exterior side and rear yard setback (C)	15 feet	20 feet, but not less than the height of the building 15 feet
Minimum private open space	N/A	Greater than or equal to 5 percent of each dwelling unit floor area (minimum of 50 square feet and minimum dimension of 5 feet)
Minimum building separation		
2 stories	N/A	25 feet
3 stories	N/A	35 feet
Maximum lot coverage	60 percent	60 percent

- B. The portion(s) of the building where the driveway is located shall be setback a sufficient distance to accommodate a minimum driveway length of 25 feet.
- C. Increase in Side and Rear Yard Setback Requirements. The planning commission may require an increase or permit a decrease in the minimum side yard or rear yard requirements, or both, upon finding that the adjustment is necessary to establish a proper site planning relationship to existing and proposed uses.
- D. Site Standards for Proposed Subdivision Parcels. The minimum site standards in subsection A of this section are minimum standards and are not intended to apply as a matter of right to a parcel, which is proposed to be subdivided. The planning commission shall fix the minimum lot area, frontage, front yard setback and side and rear yard setback requirements for each parcel in this district which is created by the subdivision process after the date the ordinance codified in this chapter is adopted.

### 8.32.070 – Development Standards.

The following standards shall apply to developments within this district to the extent consistent with state law:

- ~~A. Lot Coverage. The lot covered by buildings and paved areas may not exceed fifty (50) percent.~~
- A. Maximum Building Height. At no point shall the building height of a structure in this district exceed two stories or thirty-five (35) feet, whichever is less. However, for lots outside the MCSP, if upon design review, the reviewing authority finds that the building height proposed for the structure will create a significant adverse effect on neighboring properties or is incompatible with the natural terrain or vegetation, the reviewing authority may reduce the maximum building height permitted to a height which eliminates or mitigates the adverse effects of the building height proposed.
- B. The maximum height of developments fronting onto roads less than 36 feet in travel width shall be no higher than 30 feet to meet the requirements of the Moraga-Orinda Fire District Fire Code. The widths of parking lanes shall not count towards the minimum width.
- C. Landscaped Areas. All areas not covered by buildings and paved areas shall conform to a landscape plan approved by the reviewing authority.
- D. Building Design. The building design shall conform to the building design concept established for the area. If a design concept does not exist at the time an application for a building permit or a conditional use permit, as the case may be, is filed, the applicant shall propose a design concept for the site and show how the design relates to neighboring properties.
- E. Recreational Facilities. As a condition of approval, the reviewing authority may require private recreational facilities consistent with the needs of those who may occupy the units proposed.
- F. Conceptual Site Plan Submittal. An application for a conditional use permit shall be accompanied by a plan containing conceptual planning, including the siting and elevation of buildings for the entire parcel.
- G. Specific Plan Submittal. As a condition to approving a conditional use permit, the planning commission may require the applicant to prepare and submit for commission approval a specific plan. The planning commission may impose this condition only when it finds that the design access, building location or circulation proposed cannot be adequately addressed on a parcel by parcel basis.
- H. Maximum Aggregate Building Height. On sloped lots where a structure is stepped down the slope, the maximum aggregate building height shall not exceed forty-five (45) feet. However, for lots outside the MCSP, if upon design review, the reviewing authority finds that the building height proposed for the structure will create a significant adverse effect on neighboring properties or is incompatible with the natural terrain or vegetation, the reviewing authority may reduce the maximum building height permitted to a height which eliminates or mitigates the adverse effects of the building height proposed.

## Chapter 8.33 – Twelve Dwelling Unit per Acre Multifamily Residential District (R-12)

### 8.33.010 – Purpose.

The purpose of this district is to provide for medium density and medium intensity multifamily structures and selected service uses in developments which will conform with existing and future neighboring development and which are designed to be compatible with site constraints, such as topography, drainage and existing vegetation.

### 8.33.020 – Permitted Uses.

- A. Residential dwelling units in accordance with the provisions of this chapter.

### 8.33.030 – Conditional Uses.

Each of the following uses is permitted on the issuance of a conditional use permit in this district:

- A. Offices – Restricted to less than 5,000 square feet;
- B. Personal Service, General – Restricted to less than 5,000 square feet;
- C. Personal Services, Improvement or Instructional – Restricted to health/fitness facilities less than 5,000 square feet;
- D. Professional Service – Restricted to less than 5,000 square feet;
- E. Park and Recreational Facilities;
- F. Government Office – Restricted to less than 5,000 square feet;
- G. A use which the planning commission has found to be consistent with the purpose of the district and compatible with surrounding existing uses.

### 8.33.040 – Density.

- A. A minimum of ten attached or detached dwelling units, but not more than twelve dwelling units, may be constructed on any one acre, exclusive of streets, except as provided in subsection B of this section.
- B. The allowed density may be increased on any one acre by following the Planned Development District procedure outlined in Chapter 8.48 if the increased density provides housing opportunities to persons of limited means in compliance with all applicable state laws.

### 8.33.050 – Development Standards.

- A. Development Standards. These standards shall apply to the extent consistent with state law.

#### R-12 DEVELOPMENT STANDARDS

Standard	1 dwelling unit per lot	More than 1 dwelling unit per lot
Minimum lot area	10,000 square feet	10,000 square feet
Minimum lot width	80 feet	80 feet average
Minimum lot depth	100-feet	90 feet
Minimum front yard setback:	20 feet	20 feet (B) 15 feet for secondary frontage on corner lots

**R-12 DEVELOPMENT STANDARDS**

Standard	1 dwelling unit per lot	More than 1 dwelling unit per lot
Minimum side yard setback:	10 feet	10 feet 20 feet average for 3-story structures
Minimum rear yard setback	15 feet	15 feet
Maximum building height	35 feet	35 feet (C)
Minimum private open space	N/A	Greater than or equal to 5 percent of each dwelling unit floor area, minimum of 50 square feet and minimum dimension of 5 feet
Minimum building separation		
2 stories	N/A	25 feet (D)
3 stories	N/A	35 feet (D)
Maximum lot coverage	60 percent	60 percent
Maximum stories	2 stories	3 stories

- B. The portion(s) of the building where the driveway is located shall be setback a sufficient distance to accommodate a minimum driveway length of 25 feet.
- C. The maximum height of developments fronting onto roads less than 36 feet in travel width shall be no higher than 30 feet to meet the requirements of the Moraga-Orinda Fire District Fire Code. The widths of parking lanes shall not count towards the minimum width.
- D. Where two different building heights are adjacent, the taller building controls separation.

**Chapter 8.34 – Twenty Dwelling Unit per Acre Residential District (R-20)**

**8.34.020 – Definitions.**

~~"Area A" means the 6.135-acre area of the R-20 district designated as Area A on the map attached hereto.~~

~~"Area B" means the balance of the property included in the R-20 district designated as area B on the map attached hereto.~~

~~"Density bonus" means an increase in the established residential density in accordance with Government Code Section 65915 et seq.~~

~~"Dependent senior residential dwelling unit" means a "residential dwelling unit" without provisions for cooking within the unit, provided that one hundred (100) percent of the housing meets the requirements of Section 51.3 of the California Civil Code and that cooking and eating facilities are provided on-site.~~

~~"Discretionary review process" means the review processes identified in MMC Chapters 8.72, 8.48 and 8.132, if applicable.~~

~~"Ministerial review process" means the review process identified in Section 8.34.080 of this chapter.~~

~~"Residential dwelling unit" means a building or area within a building that provides complete independent living facilities for one or more persons including permanent provisions for living, sleeping, cooking,~~

~~eating, and sanitation. A motor home, trailer, camper, dormitory room, motel or hotel room, suite or extended stay unit is not a residential dwelling unit.~~

~~"Senior citizen housing" means a project consisting of residential dwelling units designed for senior citizens as defined in Section 51.3 of the California Civil Code.~~

~~"Site" means the contiguous gross land area within the parcel or parcels on which housing development is located.~~

**8.34.040 – Density.**

- A. The minimum number of residential dwelling units allowed in this district is ~~twenty (20)~~ **sixteen (16)** per acre, except that projects subject to the discretionary review process shall have no minimum density.
- B. The maximum number of residential dwelling units allowed in this district is twenty (20) per acre plus any applicable density bonus **to the extent consistent with state law**, except as follows:
  - 1. **Senior Housing** ~~for senior citizens~~ shall have a maximum density of thirty (30) residential dwelling units per acre plus an additional three dependent senior residential units per acre.
  - 2. The number of dependent senior residential units per acre allowed under Section 8.34.040B(1) may be increased by a ratio of three dependent senior residential dwelling units for each reduction of one residential dwelling unit per acre below the thirty (30) permitted, up to a maximum of nine such dependent senior residential dwelling units per acre.

**8.34.060 – Development Standards.**

- A. All development shall meet or exceed the minimum requirements identified in the table below, **to the extent consistent with state law**:

**MINIMUM DEVELOPMENT REQUIREMENTS**

Development Standard	Minimum Requirement
Site Area	3 acres except that projects subject to Ministerial Review may be a minimum of 2 acres provided that at least 50 dwelling units are proposed for development
Number of Residential Dwelling Units	60
Square Feet Per Residential Dwelling Unit	300
Square Feet Per Dependent Senior Residential Dwelling Unit	100
Average Site Width	200 feet
Average Site Depth	200 feet
Site Building Setback	20 feet from all site boundaries to any architectural projection on a building
Creek Building Setback	50 feet from top of bank or 50 feet from the edge of riparian vegetation that is protected by a state or federal agency, whichever is greater, to any architectural projection on a building, except that projects subject to Discretionary

**MINIMUM DEVELOPMENT REQUIREMENTS**

Development Standard	Minimum Requirement
	Review shall at a minimum comply with the setbacks required by any state or federal agency As required by Moraga Municipal Code Section 8.200.110 (Creek and channel setbacks)
Pervious surface area (including natural or landscaped area)	30 percent of site area
Natural area or area landscaped area with living plants	20 percent of site area
Private outdoor area for each Residential Dwelling Unit	20 square feet attached or immediately adjacent to each Residential Dwelling Unit with a minimum dimension of 4 feet
Number of required parking spaces	1 space per studio or 1-bedroom Residential Dwelling Unit, 2 spaces per 2- or 3-bedroom Residential Dwelling Unit, 2.5 spaces per 4 or more bedroom Residential Dwelling Unit and 0.3 spaces per Dependent Senior Residential Dwelling Unit
Parking for Senior Citizen Housing (Example: A 150-unit senior citizen housing project could be served by: (a) 150 spaces; or (b) 113 spaces plus 1 permanent service vehicle; or (c) 75 spaces plus 2 permanent common service vehicles. A 50-unit senior citizen housing project could be served by: (a) 50 spaces; or (b) 38 spaces plus 1 permanent service vehicle; or (c) 25 spaces plus 2 permanent service vehicles.)	The minimum parking ratio provided for in Section 8.34.060(A)(12) above, shall be reduced by 25% for each passenger vehicle made available permanently for use by the residents of each 75 such units or fraction thereof, provided that not less than 0.5 space shall be provided for each Residential Dwelling Unit served
Parking space dimensions	As required by Moraga Municipal Code Section 8.76.050

B. All development shall conform to the maximum limits identified in the table below, to the extent consistent with state law:

**MAXIMUM DEVELOPMENT STANDARDS**

Development Standard	Maximum Limit
Building Height	45 feet (C)
Lot Coverage by Buildings	65 percent of project site area
Lot Coverage by Impervious Surfaces (buildings, structures, and hard paving)	70 percent of project site area
Number of Stories	3 stories
Floor Area Ratio (Note: Covered but enclosed walkways and stairways are not included in the calculation of floor area)	<del>1.15 when enclosed parking is provided, or .85 when uncovered or carport parking is provided</del> and an additional .35 is allowed for common area facilities such as enclosed corridors, game room, dining room and facility kitchen
Private outdoor area for each unit	100 square feet attached or immediately adjacent to each unit with a <del>maximum dimension of 10 feet</del> minimum dimension of 6 feet; provided however that any such private outdoor area visible within 500 feet of a Major Scenic Corridor as defined in Chapter 8.132 shall be screened by landscaping and/or an opaque fencing or railing

MAXIMUM DEVELOPMENT STANDARDS

Development Standard	Maximum Limit
Slope of Planted Area	33 percent

- C. The maximum height of developments fronting onto roads less than 36 feet in travel width shall be no higher than 30 feet to meet the requirements of the Moraga-Orinda Fire District Fire Code. The widths of parking lanes shall not count towards the minimum width.

**8.34.070 – Design Requirements.**

A. All development shall comply with the following requirements:

- ~~1. All improvements shall comply with all applicable easements, codes and requirements in effect at the time the development application is deemed or determined complete including but not limited to access and utility easements, fire, building, and health and safety codes, and local, state and federal laws.~~
- ~~2. No improvement shall be constructed or installed within an area of riparian vegetation that is protected by any state or federal agency.~~
- ~~3. The lowest floor of all new residential structures, including basement areas, shall be located at an elevation that is at least two feet above the 100-year (one percent annual occurrence) base flood elevation in accordance with MMC Section 8.108.120(C)(1)(a).~~
- ~~4. The required parking for each residential dwelling unit may be either tandem or non-tandem. Parking not associated with a particular residential dwelling unit shall be non-tandem.~~
- ~~5. If a grading permit is required, it shall be in compliance with all provisions of Title 14 of the Moraga Municipal Code except Moraga Municipal Code Chapters 14.08, 14.12, and 14.16 and shall not be subject to discretionary review.~~
- ~~6. All exterior lighting shall be directed downward or inward toward the property.~~
- ~~7. All retaining walls, with the exception of building foundations, shall be no higher than five feet. If a fence is located within two feet of a retaining wall the combined retaining wall and fence height shall not exceed eight feet. There shall be no more than three new retaining walls running in the same direction located within fifty (50) feet of one another. The minimum distance between any two retaining walls is equal to the height of the wall and the area between the walls shall be planted.~~
- ~~8. Any blank wall that is without windows and is more than thirty (30) feet long or three hundred fifty (350) square feet in area, whichever is less, shall have landscaping installed and maintained along the wall which reaches a minimum height of four feet within three years.~~
- ~~9. All landscaping shall be irrigated with an automatic system and permanently maintained. A landscape maintenance bond shall be posted to secure the replacement of any necessary plant material by the developer for a period of one year.~~

- ~~10. Permanent trash and recycling equipment shall be located in enclosures on the property for use by the residents of the housing development. The colors, materials and design of the trash and recycling enclosures shall match the building design.~~
- ~~11. The utilities for the project shall be located underground.~~
- ~~12. No grading shall result in a slope steeper than thirty three (33) percent.~~
- ~~13. Three story building elements visible from public streets or public facilities shall be designed with varied setbacks, articulated exterior forms, or architectural features which add detail, including, but not limited to pitched roofs with dormer windows, parapet walls, etc.~~
- ~~14. Pervious areas shall include the use of "semi-rural details," such as curbless streets with bioswales, split rail fences, crushed gravel, irregular paving, and native ground cover and plant material.~~
- ~~15. If development proposed within five hundred (500) feet of a major scenic corridor as defined in Chapter 8.132:
  - ~~a. Building setbacks from the scenic corridor shall be varied in order to avoid creation of a walled effect, with the setback for third floor elements increased by fifty (50) percent above the minimum otherwise applicable in this district.~~
  - ~~b. Grading or earth moving shall be designed and executed in such manner that final contours transition smoothly with the adjoining natural grade. Exposed finished slopes shall be planted with materials selected to minimize the potential for erosion and to provide for visual compatibility with adjoining ground covers.~~
  - ~~c. The number of access points to and from the scenic corridor shall be minimized consistent with traffic safety and project access and circulation needs.~~
  - ~~d. All parking required under Sections 8.34.060(A)(12)–(13) shall be provided onsite. Parking on the scenic corridor roadways shall be minimized.~~
  - ~~e. All existing specimen trees shall be identified on the plans submitted pursuant to Section 8.34.080(A). Plans shall include measures to protect all such trees identified on the plans for preservation, including but not limited to placement of temporary construction fencing around the drip line of such trees.~~~~
- ~~16. All Residential development shall achieve a minimum of seventy (70) points on the "build it green, green point rated" scale and satisfy all required program elements or equivalent requirement.~~
- ~~17. Sidewalks and pathways proposed to provide pedestrian access to adjacent neighborhoods and shopping centers shall be a minimum of five feet in width to encourage walking as a primary mode of transportation for local shopping trips.~~
- ~~18. External vents and mechanical equipment shall be screened from view from adjoining residential uses, public or common sidewalks and pathways, and plazas.~~
- ~~19. Permanent mechanical equipment such as a motor, compressor, pump or compactor which would represent a source of structural vibration or structure-borne noise in excess of adopted town ordinance standards shall be shock mounted with inertia blocks or bases or vibration isolators.~~

- ~~20. Consistent with the Moraga Center Specific Plan, development shall not preclude emergency vehicle, motor vehicle, bicycle or pedestrian access to adjoining properties.~~
- ~~21. A minimum of two hundred (200) cubic feet of enclosed weather-proof and lockable private storage space in addition to guest, linen, pantry and clothes closets customarily provided shall be provided for each unit other than a dependent senior residential dwelling unit.~~
- ~~22. A laundry area consisting of a place for an automatic washing machine and clothes dryer shall be provided in each unit unless common laundry facilities are provided.~~
- ~~23. Utility transformers that are outside the public right-of-way should have adequate access provided for proper maintenance. Any above ground installation must include adequate landscape screening so as not to be viewable from the scenic corridor or other prominent public view.~~
- ~~24. Benches and seat walls shall be incorporated by project designers, where appropriate, to provide seating areas along pedestrian promenades.~~
- ~~25. Bicycle parking areas and bicycle racks shall be provided in all housing projects consistent with anticipated need.~~
- ~~26. Tree grates, bollards, and other street furniture shall be incorporated, where appropriate, to help articulate street edges and provide a pleasant separation between the automobile realm and the pedestrian realm.~~
- ~~27. Accentuated paving, bollards, special crosswalk lighting, and other features shall be incorporated, where appropriate, to enhance pedestrian safety.~~
- ~~28. Drought tolerant and deer resistant plant materials, consistent with the town's design guidelines shall be incorporated as part of the overall landscape design.~~
- ~~29. Bioswales shall be incorporated in parking areas as part of the overall landscape and storm drainage designs, to improve the quality of storm water runoff and to allow infiltration of storm water into the subgrade.~~
15. No exception to the regulations in Section 8.34.060 or 8.34.070 is allowed for any development project which is subject to the ministerial review process.

## **Chapter 8.36 – Community Commercial District**

### **8.36.015 – Definitions.**

The definitions in this section, as well as the definitions in Section 8.04.020, govern the construction of this title:

"Convenience store" means a business establishment that engages in the retail sale of food, beverages, sundries and other small, personal convenience items, primarily for off-premises consumption and typically found in establishments with long or late hours of operation and in relatively small buildings or tenant spaces;

"General retail store" means a business establishment that engages in the sale of a broad array of retail goods, wares, merchandise or other personal or real property for profit or livelihood, including grocery stores and pharmacies;

~~"Indoor entertainment facility" means a business establishment offering participant and/or spectator/viewer recreation or entertainment within a building, including bowling alleys, billiard halls, movie theaters, karaoke halls, video game arcades and virtual reality gaming cafes. This does not include any establishments or venues offering games of chance, gambling or internet sweepstakes, all of which are prohibited in any zoning district in the town;~~

~~"Licensed massage establishment" means a business which offers or administers massage services by massage practitioners holding a current and valid state certificate issued by the California Massage Therapy Council pursuant to California Business and Professions Code §§ 4600 et seq. as amended from time to time, whether as a massage practitioner or therapist, as defined therein;~~

~~"Live entertainment venue" means a business establishment which offers participant and/or spectator live entertainment, including concert halls, cabarets, dance halls and dinner theaters; and~~

~~"Specialty retail store" means a business establishment that engages in the sale of specific categories of products for profit or livelihood, including furniture stores, appliance stores, clothing stores and hardware stores.~~

#### **8.36.020 - Permitted uses.**

A. Each of the following uses is a permitted use in this district:

1. Animal Services (Grooming only);
  2. Banks and Financial Services;
  3. Cultural Institutions;
  4. Fitness Facility, Health Club;
  5. Food, Beverage Sales;
  6. Eating and Drinking Establishments (No Drive-in Service)
  7. Indoor Entertainment Facility (less than 5,000 square feet with no alcohol sales);
  8. Medical (Medical Services Facility only);
  9. Professional Services;
  10. Licensed Massage Establishments;
  11. Personal Services, General and Improvement/Instructional;
  12. Retail Business (except Convenience Stores);
  13. Schools (Trade School, Vocational Training only);
  14. Tutoring Facility;
  15. Other uses found by the planning commission at a public hearing to be consistent with the purpose of the district and comparable to any of the foregoing uses.
1. ~~General and/or specialty retail stores, grocery stores, pharmacies, personal and service uses such as salons, barbershops, licensed massage establishments, dry cleaners and pet groomers, banks, walk-up ATMs, art galleries, health/fitness clubs, yoga/dance/gymnastic studios, and indoor sports training facilities;~~
  2. ~~Restaurants, cafes, bakeries and other similar service businesses (without a drive-through facility) offering sales of food, beverages and beer and/or wine, with or without outdoor seating;~~
  3. ~~Professional business, medical, dental and administrative offices and services;~~
  4. ~~After-school tutoring centers/services;~~
  5. ~~Indoor entertainment facilities as defined in Section 8.36.015 less than five thousand (5,000) square feet that do not offer sales of alcoholic beverages; and~~

### 8.36.030 - Conditional uses.

In this district, each of the following uses is permitted on the issuance of a conditional use permit:

- A. Retail Business (Nursery, Garden Center);
  - B. Eating and Drinking Establishment (with Outdoor Seating);
  - C. Food, Beverage Sales (Convenience and Liquor Stores)
  - D. Drive-In Service;
  - E. Building Materials Sales and Services;
  - F. Contractors, Special Trade;
  - G. School (Trade School, Vocational Training);
  - H. Child Day Care Center;
  - I. Assembly or Meeting Facility;
  - J. Banquet Hall;
  - K. Indoor Entertainment Facility (greater than 5,000 square feet, sale of alcohol allowed);
  - L. Live Entertainment Facility;
  - M. Hotel;
  - N. Animal Services (Hospital, Veterinary Clinic);
  - O. Research and Development, or Laboratory;
  - P. Adult (Sex-oriented) Business;
  - Q. Personal Services, Other (Tattoo and Body Piercing Services, Pawn Shop);
  - R. Secondhand Sales;
  - S. Tobacco Store;
  - T. Payday Lending Establishment;
  - U. Automobile Services and Repair;
  - V. Vehicle and Equipment Facilities ("Vehicle Storage"); and
  - W. A use which the planning commission has found to be comparable at a public hearing to any of the foregoing uses.
- ~~A. Lumber yard;~~
  - ~~B. Nursery and/or outdoor garden center;~~
  - ~~C. Cabinet shop;~~
  - ~~D. Sheet metal shop;~~
  - ~~E. Building or engineering contractor's yard;~~
  - ~~F. Convenience stores;~~
  - ~~G. Gas station (with or without a car wash facility);~~
  - ~~H. Car wash facility;~~
  - ~~I. Auto garage such as engine overhaul, body repair and painting;~~
  - ~~J. Auto and vehicle storage yard;~~
  - ~~K. Animal/veterinary hospital;~~
  - ~~L. Research and development facility;~~
  - ~~M. Drive through facility;~~
  - ~~N. Preschool and/or daycare facility;~~
  - ~~O. Indoor entertainment facility as defined in Section 8.36.015 larger than five thousand (5,000) square feet and/or that offers sales of alcoholic beverages;~~
  - ~~P. Hotel, motel (including extended stay);~~
  - ~~Q. Banquet hall;~~
  - ~~R. Membership lodge/hall/club;~~
  - ~~S. Vocational/trade school or college;~~
  - ~~T. Bar, nightclub and/or restaurant offering a full bar;~~

- ~~U. Live entertainment venue offering musical, theatrical or other similar types of live performances;~~
- ~~V. Liquor store;~~
- ~~W. Payday lending establishment as defined in Section 8.50.020;~~
- ~~X. Pawn shop;~~
- ~~Y. Secondhand goods store and/or donation center;~~
- ~~Z. Adult (sex oriented) business as defined in Section 8.50.020;~~
- ~~AA. Tobacco store as defined in Section 8.50.020;~~
- ~~BB. Tattoo parlor; and~~

## **Chapter 8.37 – MCSP Commercial District (MCSP-C)**

### **8.37.010 – Purpose.**

The purpose of this district is to provide for a commercial land use district within the Moraga Center Specific Plan (MCSP) area, as established in the Moraga Center Specific Plan.

### **8.37.020 – Permitted Uses.**

Each of the following uses is a permitted use in this district:

- A. Office, Commercial, and Retail Uses:
  1. Adult Day Care Centers;
  2. Antique, collectible stores;
  3. Banks and Financial Services;
  4. Building Materials Sales and Services;
  5. Business Support Services;
  6. Catering Services;
  7. Child Day Care Centers;
  8. Cultural Institutions;
  9. Eating and Drinking Establishments;
  10. Food, Beverage Sales
  11. Fitness Facility, Health Club;
  12. Hotels;
  13. Licensed Massage Establishments;
  14. Assembly and Meeting Facility – Restricted to less than 5,000 square feet;
  15. Offices;
  16. Outdoor Retail Sales and Activities;
  17. Personal Services, General;
  18. Personal Services, Improvement or Instructional;
  19. Professional Services;
  20. Religious Facilities;
  21. Retail Sales, except Convenient Stores which shall be a Conditional Use;
  22. Schools– Restricted to Trade Schools, Vocational Training;
  23. Theater, Auditorium;

- B. Business Park and Industrial Uses:
  - 1. Media Production Facility; and
  - 2. Utility Facility
- C. Public/Quasi-Public and Recreational Uses:
  - 1. Government Offices;
  - 2. Park and Recreational Facilities; and
- D. Other uses found by the planning commission at a public hearing to be consistent with the purpose of the district and comparable to any of the foregoing uses.

**8.37.030 – Conditional Uses.**

Each of the following uses is permitted on the issuance of a conditional use permit in this district:

- A. Animal Services (Hospital, Veterinary Clinic);
- B. Assembly or Meeting Facilities greater than 5,000 square feet;
- C. Automobile Services and Repair;
- D. Banquet Hall;
- E. Convenience Stores;
- F. Drive-In Service;
- G. Contractors, Special Trade;
- H. Personal Services, Other;
- I. Secondhand Sales;
- J. Temporary Uses;
- K. Transmission Towers; and
- L. A use which the planning commission has found to be comparable at a public hearing to any of the foregoing uses.

**8.37.040 – Development Standards.**

- A. Development standards.

**MCSP COMMERCIAL DEVELOPMENT STANDARDS**

Standard	
Minimum lot area	10,000 square feet
Minimum lot frontage	100 feet
Minimum lot depth	100 feet
Minimum front yard setback	None (B)
Exterior side yard setback	None (B)
Side yard setback	None (B)
Rear yard setback	None (B)
Maximum building height	35 feet (B)(C)
Maximum stories	2 stories
Maximum lot coverage	60 percent

- B. Proposed developments fronting onto a major scenic corridor as defined in Chapter 8.132 (Scenic Corridors) shall be subject to the setback requirements set forth in Section 8.200.050 (Moraga Center Design Requirements).
- C. The maximum height of developments fronting onto roads less than 36 feet in travel width, shall be no higher than 30 feet to meet the requirements of the Moraga-Orinda Fire District Fire Code. The widths of parking lanes shall not count towards the minimum width.
- D. Landscaped Areas. The lot shall contain landscaped areas designed in accordance with the state Model Water Efficiency Landscape Ordinance which shall be subject to approval by the reviewing authority.

## Chapter 8.40 – Limited Commercial District

### 8.40.020 – Permitted Uses.

- B. Each of the following uses is a permitted use in this district:
  1. Animal Services (Grooming only);
  2. Banks and Financial Services;
  3. Cultural Institutions less than 5,000 square feet;
  4. Eating and Drinking Establishments (no outdoor seating nor Drive-In Service – establishments with outdoor seating shall be treated as a Conditional Use);
  5. Food, Beverage Sales (Grocery stores only);
  6. Indoor Entertainment Facility (Less than 5,000 square feet and no serving of alcoholic beverages);
  7. Indoor Sports Training Facility;
  8. Licensed Massage Establishments;
  9. Medical (Medical Services Facilities only);
  10. Personal Services, General and Improvement/Instructional;
  11. Professional Services;
  12. Retail Business (General Retail and Specialty Retail only);
  13. Tutoring Facility; and
  14. Other uses found by the planning commission at a public hearing to be consistent with the purpose of the district and comparable to any of foregoing uses.
  - ~~1. General and/or specialty retail stores, grocery stores, pharmacies, personal and service uses such as salons, barbershops, licensed massage establishments, dry cleaners and pet groomers, banks, walk-up ATMs, art galleries, health/fitness clubs, yoga/dance/gymnastic studios, and indoor sports training facilities;~~
  - ~~2. Professional business, medical, dental and administrative offices and services;~~
  - ~~3. Restaurants, cafes, bakeries and other similar service businesses (without outdoor seating or a drive-through facility) offering sales of food, beverages and beer and/or wine;~~
  - ~~4. After school tutoring centers/services;~~
  - ~~5. Indoor entertainment facilities as defined in Section 8.36.015 less than five thousand (5,000) square feet that do not offer sales of alcoholic beverages; and~~

### 8.40.030 – Conditional Uses.

- A. ~~In this district, e~~Each of the following uses is permitted on the issuance of a conditional use permit in this district:
1. Animal Services (Hospital, Veterinary Clinic);
  2. Automobile Services and Repair (Gas Stations with or without Car Wash);
  3. Child Day Care Centers (Nursery School, Preschool, Childcare);
  4. Food, Beverage Sales (Liquor Store);
  5. Eating and Drinking Establishments (with outdoor seating);
  6. Indoor Entertainment Facility (greater than 5,000 square feet and may serve alcoholic beverages);
  7. Retail Business (Convenience Stores);
  8. Personal Services, Other;
  9. Adult (Sex-oriented) Business;
  10. Firearm Store;
  11. Payday Lending Establishment;
  12. Secondhand Sales;
  13. Tobacco Store;
  14. Self-Storage Facility, Mini-Storage; and
  15. A use which the planning commission has found to be comparable at a public hearing to any of the foregoing uses.
- ~~1. Restaurants, cafes, bakeries and other similar service businesses offering sales of food, beverages and beer and/or wine, with outdoor seating;~~
- ~~2. Preschools and/or daycare facilities;~~
- ~~3. Convenience stores;~~
- ~~4. Gas station (with or without car wash facility);~~
- ~~5. Animal/veterinary hospital;~~
- ~~6. Indoor entertainment facilities as defined in Section 8.36.015 larger than five thousand (5,000) square feet and/or that offer sales of alcoholic beverages;~~
- ~~7. Firearm sales;~~
- ~~8. Liquor store;~~
- ~~9. Payday lending establishment as defined in Section 8.50.020;~~
- ~~10. Pawn shop;~~
- ~~11. Secondhand goods store and/or donation center;~~
- ~~12. Adult (sex oriented) business as defined in Section 8.50.020;~~
- ~~13. Tobacco store as defined in Section 8.50.020;~~
- ~~14. Tattoo parlor;~~
- ~~15. Hotel, motel (including extended stay);~~
- ~~16. Self-storage facility (with or without a caretaker's residence); and~~
- B. In addition to the conditional use permit requirements set forth in Section 8.12.120, the following guidelines shall be used in considering the appropriateness and acceptability of a proposed conditional use:

1. The use shall be compatible in land use and traffic characteristics with other abutting uses;
2. Any adverse characteristics of the proposed use shall be mitigated to the extent necessary to make the use compatible with neighboring uses;
3. The use shall be located/conducted within a building or space enclosed by approved fencing, landscaping or other buildings;
4. The use shall not generate noise levels measured in excess of fifty-five (55) dba during daytime hours, or fifty (50) dba during nighttime hours as measured inside of the nearest sensitive receptor (such as a dwelling unit, school classroom, church sanctuary or nursing home);
5. The use will not generate glare, electrical interference, odor, vibration, brilliant light, dust, smoke, fumes or have other characteristics that are otherwise offensive to the senses to the extent that there is interference with the development or enjoyment of other properties in the vicinity;
6. The hours of operation will not foster conditions detrimental to the neighborhood or town.

## **Chapter 8.41 – MCSP Mixed Retail / Residential (12-20 Dwelling Unit per Acre) (MCSP MU-RR)**

### **8.41.010 – Purpose.**

The purpose of this district is to provide for commercial development, including community-serving recreational uses, combined with medium or high density residential at densities allowed in Section 8.41.040 of this chapter.

### **8.41.020 – Permitted Uses.**

Each of the following uses is permitted in this district:

- A. Residential uses at densities allowed in Section 8.41.040 of this chapter;
- B. Office, Commercial, and Retail Uses:
  1. Antique, collectible stores;
  2. Assembly or Meeting Facility – Restricted to less than 5,000 square feet, except meeting halls for clubs, lodges and other membership organizations which shall be a Conditional Use;
  3. Banks and Financial Services;
  4. Building Materials Sales and Services;
  5. Business Support Services;
  6. Cultural Institutions less than 5,000 square feet;
  7. Eating and Drinking Establishments;
  8. Food, Beverage Sales;
  9. Hotels;
  10. Licensed Massage Establishments;
  11. Offices;

- 12. Outdoor Retail Sales and Activities;
- 13. Personal Services, General;
- 14. Personal Services, Improvement or Instructional;
- 15. Professional Services;
- 16. Retail Sales;
- 17. Schools– Restricted to Trade Schools, Vocational Training;
- 18. Theater, Auditorium;
- C. Business Park and Industrial Uses:
  - 1. Media Production Facility;
- D. Public/Quasi-Public and Recreational Uses:
  - 1. Government Offices;
  - 2. Park and Recreational Facilities;
- E. Other uses found by the planning commission at a public hearing to be consistent with the purpose of the district and comparable to any of the foregoing uses.

**8.41.030 – Conditional Uses.**

Each of the following uses is permitted on the issuance of a conditional use permit in this district:

- A. Animal Services (Hospital, Veterinary Clinic);
- B. Assembly and Meeting Facilities greater than 5,000 square feet;
- C. Banquet Hall;
- D. Contractors, Special Trade;
- E. Meeting Halls for Clubs, Lodges, and Other Membership Organizations;
- F. Personal Services, Other;
- G. Secondhand Sales;
- H. Utility Facility, Transmission Towers; and
- I. A use which the planning commission finds at a public hearing to be comparable to any of the foregoing uses.

**8.41.040 – Residential Density.**

- A. A minimum of twelve (12) dwelling units but not more than twenty (20) dwelling units shall be erected on any one acre, exclusive of streets, except as provided in subsection B of this section. The allowed density may be increased on any one acre by following the Planned Development District procedure established in Chapter 8.48 if the increased density provides housing opportunities to persons of limited means in compliance with all applicable state laws.

**8.41.050 – Development Standards.**

- A. Development standards.

**MCSP MIXED RETAIL / RESIDENTIAL DEVELOPMENT STANDARDS**

Standard	
Minimum lot area	10,000 square feet
Minimum lot width	100 feet
Minimum lot depth	100 feet
Minimum front yard setback:	0 feet (B)
Minimum side yard setback:	0 feet (B)
Minimum rear yard setback:	0 feet (B)
Minimum lot area	10,000 square feet
Maximum building height (primary)	45 feet (C)
Maximum building height (accessory)	12 feet
Minimum private open space (applies only to residential uses of development)	Greater than or equal to 5 percent of each dwelling unit floor area (minimum of 50 square feet and minimum dimension of 5 feet)
Minimum building separation	
2 stories	25 feet (D)
3 stories	35 feet (D)
Maximum floor area ratio (applies only to non-residential uses of development)	0.85
Maximum stories	3 stories
Maximum lot coverage	60 percent

- B. Proposed developments fronting onto a major scenic corridor as defined in Chapter 8.132 (Scenic Corridors) shall be subject to the setback requirements set forth in Section 8.200.050 (Moraga Center Design Requirements).
- C. The maximum height of developments fronting onto roads less than 36 feet in travel width shall be no higher than 30 feet to meet the requirements of the Moraga-Orinda Fire District Fire Code. The widths of parking lanes shall not count towards the minimum width.
- D. Where two different building heights are adjacent, taller building controls separation.
- E. In order to encourage activity along the street and to enhance the pedestrian experience by creating indoor spaces where pedestrians will see or sense interior activity, all first floor areas facing School Street must have:
  - 1. A retail business use, eating/drinking establishment, specialty food shop, personal service (general or improvement/instructional), or professional service use; or
  - 2. Another use found by the planning commission to provide the sense of activity referenced in this standard.

**Chapter 8.42 – MCSP Mixed Office / Residential (12-20 Dwelling Unit per Acre) (MCSP MU-OR)**

**8.42.010 – Purpose.**

The purpose of this district is to provide for office development combined with high density residential at densities allowed in Section 8.42.040 of this chapter.

#### **8.42.020 – Permitted Uses.**

Each of the following uses is permitted in this district:

- A. Residential uses at densities allowed in Section 8.42.040 of this chapter;
- B. Congregate Care Facilities;
- C. Office, Commercial, and Retail Uses:
  - 1. Hotels;
  - 2. Offices;
  - 3. Medical (Medical Services Facility only);
  - 4. Personal Services, General;
  - 5. Personal Services, Improvement or Instructional;
  - 6. Professional Services;
  - 7. Religious Facilities;
  - 8. Schools– Restricted to Trade Schools, Vocational Training;
- D. Public/Quasi-Public and Recreational Uses:
  - 1. Government Offices;
  - 2. Park and Recreational Facilities;
- E. Other uses found by the planning commission at a public hearing to be consistent with the purpose of the district and comparable to any of the foregoing uses.

#### **8.42.030 – Conditional Uses.**

Each of the following uses is permitted on the issuance of a conditional use permit in this district:

- A. Animal Services (Hospital, Veterinary Clinic);
- B. Assembly and Meeting Facilities;
- C. Child Day Care Centers;
- D. Personal Services, Improvement or Instructional;
- E. Research and Development, or Laboratory; and
- F. A use which the planning commission has found to be comparable at a public hearing to any of the foregoing uses.

#### **8.42.040 – Residential Density.**

- A. A minimum of twelve (12) dwelling units but not more than twenty (20) dwelling units may be erected on any one acre, exclusive of streets, except as provided in subsection B of this section.
- B. The allowed density may be increased on any one acre by following the Planned District Procedure in Chapter 8.48 if the increased density provides housing opportunities to persons of limited means in compliance with all applicable state laws.

#### **8.42.050 – Development Standards.**

- A. Development standards.

**MIXED OFFICE / RESIDENTIAL DEVELOPMENT STANDARDS**

Standard	
Minimum lot area	10,000 square feet
Minimum lot width	100 feet
Minimum lot depth	100 feet
Minimum front yard setback:	0 feet (B)
Minimum side yard setback:	0 feet (B)
Minimum rear yard setback	0 feet (B)
Minimum lot area	10,000 square feet
Maximum building height (primary)	45 feet (C)
Maximum building height (accessory)	12 feet
Minimum private open space (applies only to residential uses of development)	Greater than or equal to 5 percent of each dwelling unit floor area (minimum of 50 square feet and minimum dimension of 5 feet)
Minimum building separation	
2 stories	25 feet (D)
3 stories	35 feet (D)
Maximum floor area ratio (applies only to non-residential uses of development)	0.85
Maximum stories	3 stories
Maximum lot coverage	60 percent

- B. Proposed developments fronting onto a major scenic corridor as defined in Chapter 8.132 (Scenic Corridors) shall be subject to the setback requirements set forth in Section 8.200.050 (Moraga Center Design Requirements).
- C. The maximum height of developments fronting onto roads less than 36 feet in travel width shall be no higher than 30 feet to meet the requirements of the Moraga-Orinda Fire District Fire Code. The widths of parking lanes shall not count towards the minimum width.
- D. Where two different building heights are adjacent, taller building controls separation.

**Chapter 8.44 – Suburban Office District**

**8.44.020 – Permitted Uses Permitted Subject to Findings.**

- A. Each of the following uses is a permitted use in this district if it is determined that the use meets the criteria set forth in subsection B of this section:
  - 1. Professional Services;
  - 2. Offices;
  - 3. Medical (Medical Services Facility only);
  - 4. Personal Services, General and Improvement/Instructional;
  - 5. Cultural Institution; and
  - 6. Other uses found by the planning commission to be consistent with the purpose of the district and compatible with surrounding existing uses.
- ~~1. Professional office such as one pertaining to, but not limited to, the practice of law, architecture, dentistry, medicine, engineering and accounting;~~

- ~~2. Administrative, executive or editorial office;~~
- ~~3. Business office for insurance, real estate or investment broker and its representatives;~~
- ~~4. Studio or gallery for arts and crafts, music, dance or photography;~~
- B. Before a use listed in subsection A of this section is permitted in this district, the planning commission must determine that:
  - 1. The use will not generate amounts of pedestrian and vehicular traffic that will foster the flow of traffic between the proposed use and uses across abutting streets;
  - 2. The use is compatible in land use and traffic characteristics and design with other uses directly affected by the proposed use;
  - 3. Any adverse characteristics of the use can be mitigated to the extent necessary to make the use compatible with neighboring uses;
  - 4. The use will be within a building or space enclosed by approved fencing, landscaping or other buildings;
  - 5. The use will not generate noise levels at the property line in excess of fifty-five (55) dba during daytime hours, or fifty (50) dba during nighttime hours;
  - 6. The use will not create an excessive public economic problem.
- C. If a use listed in subsection A of this section qualified as a categorical exemption under the town's CEQA guidelines, the planning director may, after giving notice to the planning commission, make the determination required by subsection B of this section without referral to the planning commission.
- D. After a permitted use is approved, a change from that use may not take place until the zoning administrator finds that a new permitted use as proposed is comparable in character and intensity to the approved use. The zoning administrator may refer the matter to the planning commission for the appropriate finding.

**8.44.030 – Conditional Uses.**

~~In this district,~~ Each of the following uses is permitted on the issuance of a conditional use permit **in this district:**

- A. Animal Services (Hospital, Veterinary Clinic);
- B. Assembly or Meeting Facility;
- C. Child Day Care Center (Nursery, Preschool, Childcare);
- D. Fitness Facility, Health Club;
- E. Medical (Hospital, Medical Center);
- F. Media Production Facility;
- G. Religious Facilities (Major Religious Facilities included);
- H. Sports Recreation Facility (Indoor);
- I. Supportive or Transitional Home;
- J. Government Office;
- K. Public Maintenance and Service Facility; and
- L. A use which the planning commission, after notice and public hearing, has found to be comparable to any of the foregoing uses.

- ~~A. Hospital, eleemosynary and philanthropic institution, convalescent home and boarding home;~~
- ~~B. Church, religious institution, parochial or private school and nursery school;~~
- ~~C. Community building, club or activity or a quasi-public, social or fraternal character, not organized for profit, such as a veterans' or fraternal organization, golf, tennis or swimming club;~~
- ~~D. Private recreational facility, not organized and operated for profit, such as a golf, tennis or swimming club;~~
- ~~E. Publicly owned building or structure;~~
- ~~F. Commercial radio or television receiving and transmitting facility, broadcasting studio or business office, home cablevision facility, including repair shop, storage area and equipment parking space necessary for operation and maintenance system;~~
- ~~G. Drug and prescription sales accessory to a medical office or clinic which is incidental to the primary use and is not visible from the street;~~
- ~~H. Animal hospital;~~
- ~~I. A use listed in Section 8.44.020 that requires review by the planning commission as provided in Section 8.08.020;~~

## **Chapter 8.48 – Planned Development District**

### **8.48.100 - Findings required to approve conceptual development plan.**

- A. General. To approve a conceptual development plan the planning commission must find that:
  1. The total development and each unit of development can exist as an independent unit, capable of creating an environment of sustained desirability and stability, or that adequate assurance will be provided that this objective will be attained and that the uses proposed will not be detrimental to present and potential surrounding uses;
  2. The streets and thoroughfares proposed are suitable and adequate to carry anticipated traffic, and increased densities will not generate traffic in such amounts as to overload the street network outside the development;
  3. Development other than single-family residential can be properly justified and is consistent with the general plan;
  4. Any proposed exception from standard ordinance requirements is warranted by the design and amenities incorporated in the conceptual development plan, in accord with adopted policy of the planning commission and town council;
  5. The area surrounding the development can be planned and zoned in coordination and substantial compatibility with the proposed development;
  6. The development conforms with the general plan; and
  7. Existing or proposed utility services will be adequate for the population densities proposed.
- B. Hillside Projects. To approve a conceptual development plan for any development that meets the requirements of Section 8.136.020 (Applicability) in Chapter 8.136 (Hillside Development) of the Municipal Code, the reviewing authority shall make all of the findings in Municipal Code Section 8.136.050 (Findings for Approval) in addition to the findings in Section 8.48.100.A.

- C. Moraga Center Specific Plan Area Projects. To approve a conceptual development plan for any development that occurs within the Moraga Center Specific Plan area, the reviewing authority shall make the finding that the conceptual development plan meets all applicable requirements of the Moraga Center Specific Plan.

## Chapter 8.50 – Planned Development-Commercial (PD-C)

### 8.50.020 – Definitions.

The following definitions shall apply to this chapter:

~~"Adult (sex-oriented) business" means a business establishment or concern which as a regular and substantial course of conduct offers, sells or distributes adult-oriented material or sexually-oriented merchandise, or which offers to its patrons materials, products, merchandise, services or entertainment characterized by an emphasis on matters depicting, describing, or relating to specified sexual activities or specified anatomical areas.~~

~~"Building" means a structure, whether free-standing or attached, enclosed by exterior and/or interior or party walls, or a combination thereof, that is covered by a single roof structure, and which may house single or multiple tenants or tenant spaces.~~

~~"Firearm store" means a retail store or wholesale business that derives its principal income from buying and selling firearms, with or without sale of ammunition and/or firearms accessories.~~

~~"Payday lending establishment" means a person or entity that offers, originates, or makes a deferred deposit transaction, whereby a person or entity defers depositing a customer's personal check until a specific date, pursuant to a written agreement. "Payday lending establishment" is equivalent to a "deferred deposit originator" as defined in Section 23001(f) of the California Financial Code, as amended from time to time. "Payday lending establishment" does not include a state or federally chartered bank, thrift, savings association, industrial loan company, or credit union.~~

~~"Tobacco store" means any premises dedicated to the display, sale, distribution, delivery, offering, furnishing, consumption, or marketing of tobacco, tobacco products, or tobacco paraphernalia, including, without limitation, electronic cigarettes ("e-cigarettes") and/or liquid solutions containing nicotine used in such devices; provided, however, that any grocery store, supermarket, convenience store or similar retail use that only sells conventional cigars, cigarettes, e-cigarettes or tobacco as an ancillary sale shall not be defined as a "tobacco store" pursuant to this chapter.~~

## Chapter 8.52 – MOSO and Non-MOSO Open Space Districts

### 8.52.030 – Permitted Uses.

Agriculture and buildings accessory thereto.

### 8.52.040 – Conditional Uses.

~~In this district, e~~Each of the following uses is permitted on the issuance of a conditional use permit **in this district:**

- A. Single-family residential dwelling (including accessory buildings and structures);
- B. Park and Recreational Facility; and
- C. Schools.
- ~~B. Public or private park or nonprofit recreational facility, playground, trail and related facility;~~
- ~~C. Public or private school;~~
- ~~D. Accessory uses and structures incidental to conditional uses.~~

## Chapter 8.56 – Institutional District

### 8.56.020 – Permitted Uses.

- A. ~~Agriculture and accessory buildings.~~
- B. Emergency Shelters that are in conformance with the requirements of Chapter 8.164.

### 8.56.030 – Conditional Uses.

In this district, ~~e~~Each of the following uses is permitted on the issuance of a conditional use permit in this district:

- A. Park and Recreational Facility;
- B. Religious Facility; and
- C. Schools (Private).
- ~~A. Public or private park or nonprofit recreational facility, playground, trail and related facility;~~
- ~~B. Private school, college or related institutional facility;~~
- ~~C. Churches; and~~
- ~~D. Accessory uses and structures incidental to conditional uses.~~

## Chapter 8.60 – Study District

### 8.60.020 – Permitted Uses.

~~Agriculture and accessory buildings thereto.~~

### 8.60.030 – Conditional Uses.

In this district, the following uses other than “Agriculture” are permitted on the issuance of a conditional use permit: ~~all uses other than agriculture.~~

## Chapter 8.65 Moraga Ranch Overlay District

### 8.65.010 – Purpose.

The intent of the Moraga Ranch Overlay District is to preserve the traditional rural character of the existing Moraga Ranch site and buildings, while also allowing for reuse, improvement and additional activity within the District.

### 8.65.020 – Applicability.

The standards and regulations of this chapter shall only apply to developments and activities occurring within the Moraga Ranch Overlay District area as shown in Figure 8.200-2 (MCSP Zoning Districts).

### 8.65.030 – Design Requirements.

All development within this overlay district shall be reviewed by the planning commission to ensure that it complies with the following requirements:

- A. Existing buildings shall be retained to the extent feasible, unless the planning commission finds that removal of an existing building is necessary and would allow for maintenance of the overall character of the Moraga Ranch Overlay District.
- B. The design of new development shall consider the existing character of the Moraga Ranch and its existing buildings.
- C. New buildings shall be arranged and separated in a park-like and/or agricultural setting.

## Chapter 8.76 Off-Street Parking and Loading

### 8.76.080 - Shared parking.

- A. When an application for a conditional use permit proposes to use a property that has already been approved for one or more other uses, the planning commission may authorize a reduction in the total number of parking spaces required, provided the uses have differing peak time parking needs and the number of parking spaces is adequate for the peak needs of the property.
- B. When an application for a permitted use proposes to use a property that has already been approved for one or more other uses, the planning director may, after giving notice to the planning commission, authorize a reduction in the total number of parking spaces required, provided the uses have differing peak time parking needs and the number of parking spaces is adequate for the peak needs of the property.
- C. For developments within the MCSP area, required parking for two or more use types shall be calculated using the following table. If there are two proposed uses, then the required parking for each use type shall be divided by the factor listed for those two uses in the table below. If there are three or more uses, then the required parking for the each use type shall be divided by greatest factor listed for the co-occurrence of any two uses in the table below. If the use is not listed below, then the Planning Director shall designate which uses and factors listed on the table shall be used for calculation of shared parking reductions.

SHARED PARKING FACTORS

	Residential	Lodging	Office	Retail
Residential	1.0	1.1	1.4	1.2
Lodging	1.1	1.0	1.7	1.3
Office	1.4	1.7	1.0	1.2
Retail	1.2	1.3	1.2	1.0

## Chapter 8.124 – Accessory Dwelling Units

### 8.124.020 – Definitions.

~~"Accessory dwelling unit," or "ADU," means a residential dwelling unit attached to or detached from an existing primary unit, or entirely enclosed within an existing building, which provides complete independent living facilities for one or more persons. It shall include permanent provisions for living, sleeping, eating, cooking, and sanitation on the same parcel where the existing primary unit is situated. An accessory dwelling unit also includes the following:~~

- ~~A. An efficiency unit, as defined in Section 17958.1 of the California Health and Safety Code.~~
- ~~B. A manufactured home, as defined in Section 18007 of the California Health and Safety Code.~~

~~"Adjacent to the parking spaces for the existing primary unit" means within fifteen (15) feet of the nearest edge of the parking structure (garage or carport) including any storage areas within the parking structure; or within fifteen (15) feet of a legal, uncovered parking space for the existing primary unit.~~

~~"Attached ADU" means an ADU that does not qualify as a fully contained ADU and that is located at least partially within a newly constructed expansion of, or addition to, an existing primary unit.~~

~~"Detached ADU" means an ADU that does not qualify as a fully contained ADU and that is located at least partially within new construction that is part of a physical structure which is detached from the existing primary unit. More specifically, a detached ADU is located within a newly and legally constructed separate accessory building, or a newly constructed expansion of, or addition to, a pre-existing legally constructed separate accessory building.~~

~~"Existing primary unit" means an existing single family residence with a valid certificate of occupancy.~~

~~"Fully Contained ADU" means an ADU which is established entirely within the pre-existing building envelope of either (i) an existing primary unit or (ii) any other pre-existing, legally constructed building located upon any lot containing an existing primary unit.~~

~~"Interior living area" means the gross interior horizontal area of a dwelling unit including but not limited to all rooms, hallways, closets, bathrooms and storage areas and specifically including the depth of all walls that divide any interior spaces but excluding the depth of all exterior walls and excluding an enclosed garage.~~

~~"Junior accessory dwelling unit," or "JADU," means a residential dwelling unit that provides independent and permanent living facilities for one or more persons (including provisions for living, sleeping, and eating), is no more than 500 square feet in size, and is contained entirely within the pre-existing building envelope of an existing primary unit. A junior accessory dwelling unit shall include either separate sanitation facilities, or sanitation facilities shared with the existing primary unit.~~

~~"Outdoor living areas" means an area on the exterior of an ADU that is designed for human use or habitation including but not limited to a patio, deck or yard that can accommodate appurtenances~~

including but not limited to a barbecue pit, an outdoor dining table, a hammock, a lounge chair, a bench or a spa.

"Passageway" means a pathway that is unobstructed clear to the sky and extends from the street to one entrance of an ADU.

## **Chapter 8.200 Moraga Center Specific Plan Area Regulations**

### **8.200.010 – Purpose.**

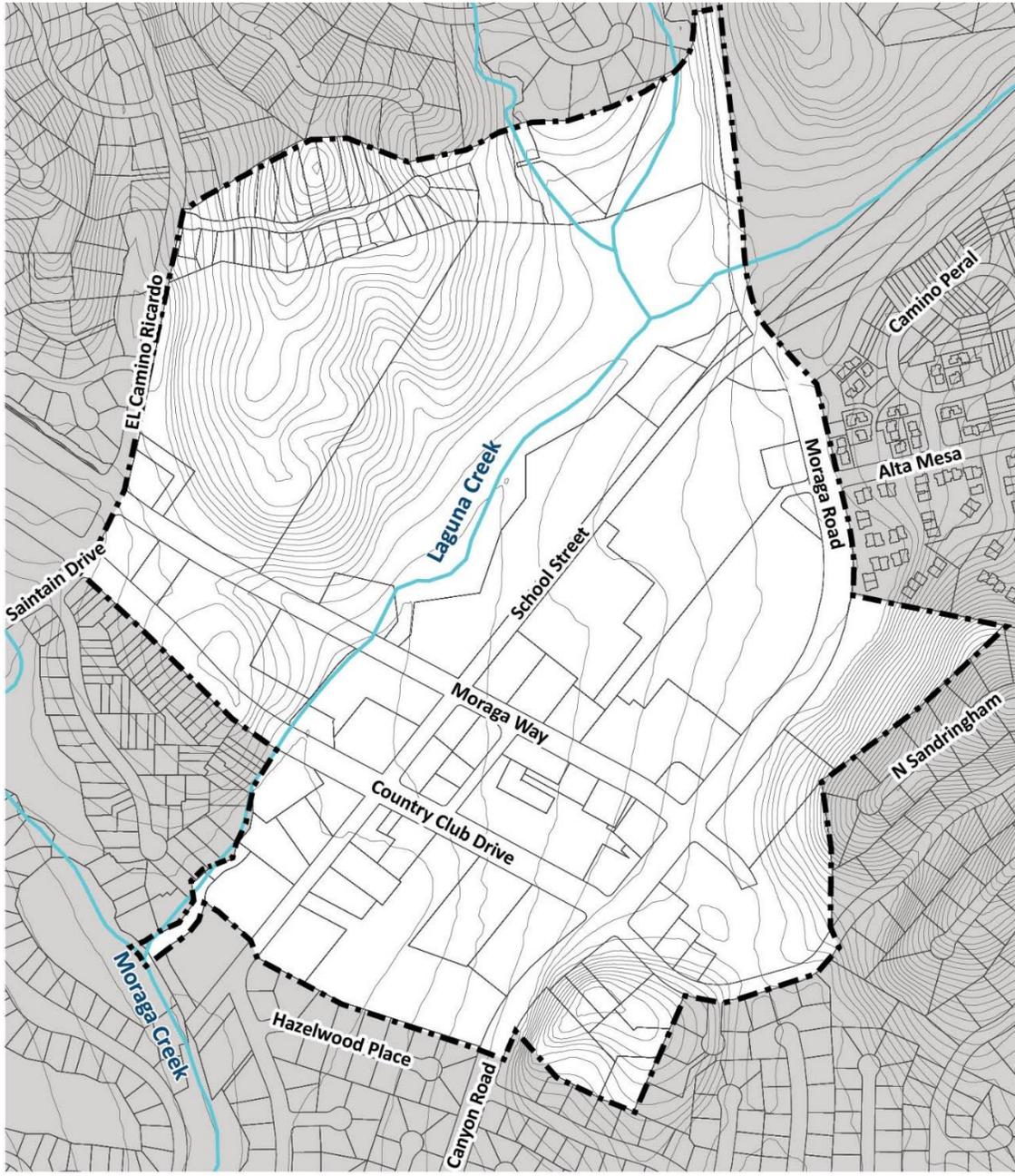
This chapter establishes regulations for development within the Moraga Center Specific Plan (MCSP) area in the town. The intent of these regulations is to implement the MCSP, as set forth here:

- A. Standards and criteria by which development within the MCSP area will proceed.
- B. Standards and criteria for development of the circulation and street network within the MCSP area.
- C. Establish development potential for retail, office, and hotel uses within the MCSP area.
- D. Required streets, trails, bridges, and other public infrastructure to be erected within the MCSP area.
- E. Standards for the conservation and protection of Laguna Creek and Moraga Creek, along with other natural resources and features, where applicable.
- F. Standards and criteria for creation of a Town Square focal point within the MCSP area.
- G. Standards and criteria for development of the MCSP area into an environment that accommodates multiple modes of travel; multiple types of residential uses, including multifamily and residential care facilities; and appropriate mixture of civic, public, office, retail, and other related uses.

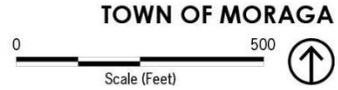
### **8.200.020 – Applicability.**

- A. The standards and regulations of this chapter shall only apply to developments and activities occurring within the MCSP area as shown in Figure 8.200-1 [Moraga Center Specific Plan (MCSP) Area].

Figure 8.200-1 – Moraga Center Specific Plan (MCSP) Area



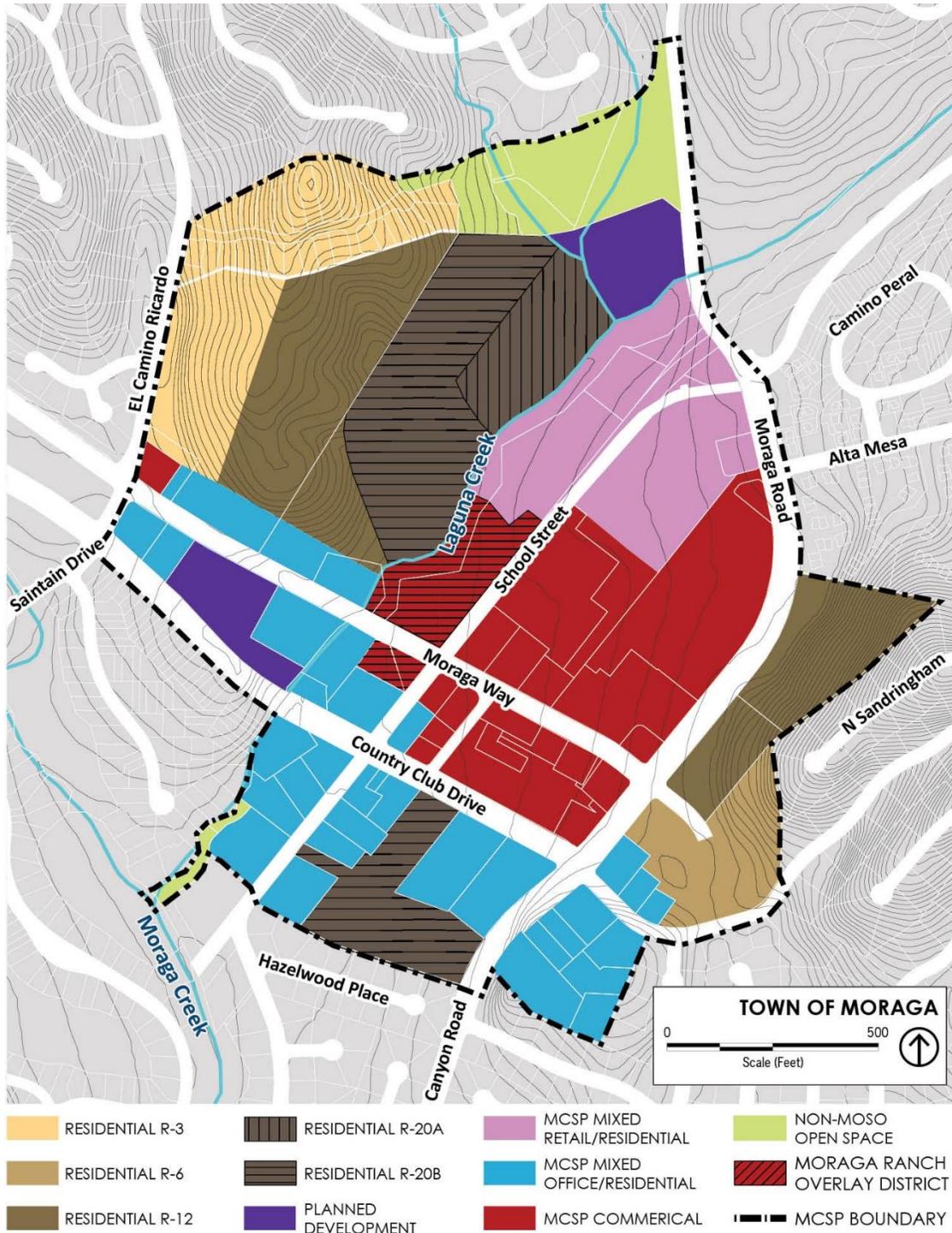
--- MCSP BOUNDARY



### 8.200.030 – MCSP Zoning Districts

Zoning districts shall be established in the MCSP Area as shown in Figure 8.200-2 (MCSP Zoning Districts).

Figure 8.200-2 – MCSP Zoning Districts



**8.200.040 – Moraga Center Development Potential.**

To the extent consistent with state law, the maximum development potential for the MCSP Area is established as follows, as set forth in Table 4-1 of the MCSP and subject to the land use equivalents in Table 4-2 of the MCSP:

MCSP DEVELOPMENT POTENTIAL	
Land Use Category	Quantified Development Objective
Retail (including restaurants and entertainment)	90,000 square feet
Office	50,000 square feet
Hotel	85 rooms
Assisted Living/Congregate Care	150 rooms
Housing	
<i>Active Senior (12-20/ac)</i>	200 (300) units
<i>Single-Family (3-6/ac)</i>	65 units
<i>Workforce Housing (12-20/ac)</i>	80 (100) units
<i>Compact Single-Family (10-12/ac)</i>	165 units
Housing Subtotal	510 units (or 630 with state mandated density bonus)

**8.200.050 – Moraga Center Design Requirements.**

- A. All development in the Moraga Center Specific Plan area shall be required to comply with the following requirements to the extent consistent with state law:
  1. All improvements shall comply with all applicable easements, codes and requirements in effect at the time the development application is deemed or determined complete, or such other time required by state law, including but not limited to access and utility easements, fire, building, and health and safety codes, and local, state and federal laws.
  2. No improvement shall be constructed or installed within an area of riparian vegetation that is protected by any state or federal agency.
  3. The lowest floor of all new structures, including basement areas, shall be located at an elevation that is at least two feet above the 100-year (one percent annual occurrence) base flood elevation in accordance with MMC Section 8.108.120(C)(1)(a).
  4. The required parking for each residential dwelling unit may be either tandem or non-tandem. Parking not associated with a particular residential dwelling unit shall be non-tandem.
  5. If a grading permit is required, it shall be in compliance with all provisions of Title 14 of the Moraga Municipal Code except Moraga Municipal Code Chapters 14.08, 14.12, and 14.16 and shall not be subject to discretionary review.
  6. All exterior lighting shall be directed downward or inward toward the property.
  7. All retaining walls, with the exception of building foundations, shall be no higher than five feet. If a fence is located within two feet of a retaining wall the combined retaining wall and fence height shall not exceed eight feet. There shall be no more than three new retaining walls running in the same direction located within fifty (50) feet of one another.

The minimum distance between any two retaining walls is equal to the height of the wall and the area between the walls shall be planted.

8. Any blank wall that is without windows and is more than thirty (30) feet long or three hundred fifty (350) square feet in area, whichever is less, shall have landscaping installed and maintained along the wall which reaches a minimum height of four feet within three years.
9. All landscaping shall be irrigated with an automatic system and permanently maintained. A landscape maintenance bond shall be posted to secure the replacement of any necessary plant material by the developer for a period of one year.
10. Permanent trash and recycling equipment shall be located in enclosures on the property ~~for use by the residents of the housing development~~. The colors, materials and design of the trash and recycling enclosures shall match the building design.
11. The utilities for the project shall be located underground.
12. No grading shall result in a slope steeper than thirty-three (33) percent.
13. ~~Two and three story building elements visible from public streets or public facilities shall be designed with varied setbacks, articulated exterior forms, or architectural features which add detail, including, but not limited to pitched roofs with dormer windows, parapet walls, etc.~~
14. ~~Pervious areas shall include the use of "semi-rural details," such as curbless streets with bioswales, split rail fences, crushed gravel, irregular paving, and native ground cover and plant material.~~
15. **If development *Development fronting along* proposed within five hundred (500) feet of a major scenic corridor as defined in Chapter 8.132.020 shall have building setbacks from the scenic corridor that are landscaped and varied in order to avoid creation of a walled effect and that are a minimum of 40 feet deep, with an additional stepback for elements above the first floor of at least 8 feet.**
  - a. ~~Building setbacks from the scenic corridor shall be varied in order to avoid creation of a walled effect, with the setback for third floor elements increased by fifty (50) percent above the minimum otherwise applicable in this district.~~
  - b. ~~Grading or earth-moving shall be designed and executed in such manner that final contours transition smoothly with the adjoining natural grade. Exposed finished slopes shall be planted with materials selected to minimize the potential for erosion and to provide for visual compatibility with adjoining ground covers.~~
  - c. ~~The number of access points to and from the scenic corridor shall be minimized consistent with traffic safety and project access and circulation needs.~~
  - d. ~~All parking required under Sections 8.34.060(A)(12)–(13) shall be provided onsite. Parking on the scenic corridor roadways shall be minimized.~~
  - e. ~~All existing specimen trees shall be identified on the plans submitted pursuant to Section 8.34.080(A). Plans shall include measures to protect all such trees identified on the plans for preservation, including but not limited to placement of temporary construction fencing around the drip line of such trees.~~

- ~~16. All Residential development shall achieve a minimum of seventy (70) points on the "build it green, green point rated" scale and satisfy all required program elements or equivalent requirement.~~
16. All required parking shall be provided onsite or on streets immediately adjacent to the development.
17. All existing specimen trees shall be identified on the plans submitted with a project application. Plans shall include measures to protect all such trees identified on the plans for preservation, including but not limited to placement of temporary construction fencing around the drip line of such trees.
18. Sidewalks and pathways proposed to provide pedestrian access to adjacent neighborhoods and shopping centers shall be a minimum of six feet in width, with an additional width as may be required in 8.200.090 to encourage walking as a primary mode of transportation for local shopping trips.
19. External vents and mechanical equipment shall be screened from view from adjoining residential uses, public or common sidewalks and pathways, and plazas.
20. Permanent mechanical equipment such as a motor, compressor, pump or compactor which would be a source of structural vibration or structure-borne noise in excess of adopted town ordinance standards shall be shock mounted with inertia blocks or bases or vibration isolators.
21. ~~Consistent with the Moraga Center Specific Plan, development shall not preclude~~ All development must maintain any existing emergency vehicle, motor vehicle, bicycle or pedestrian access to adjoining properties.
22. A In multi-family residential projects, a minimum of two hundred (200) cubic feet of enclosed weather-proof and lockable private storage space in addition to guest, linen, pantry and clothes closets customarily provided shall be provided for each unit other than a dependent senior residential dwelling unit.
23. ~~A~~ In multi-family residential projects, a laundry area consisting of a place for an automatic washing machine and clothes dryer shall be provided in each unit unless common laundry facilities are provided.
24. Utility transformers that are outside the public right-of-way should have adequate access provided for proper maintenance. Any above ground installation must include adequate landscape screening so as not to be viewable from the scenic corridor or other prominent public view.
25. Benches and seat walls shall be incorporated by project designers, where appropriate, to provide seating areas along pedestrian promenades.
26. Developments, with the exception of single family homes, shall provide Bbicycle parking areas with bicycle racks at a rate equal to five percent of required off-street vehicle parking spaces, with a minimum parking for at least two bicycles in consistent with anticipated need.
27. Tree grates, bollards, and other street furniture shall be incorporated, where appropriate, to help articulate street edges and provide a pleasant separation between the automobile realm and the pedestrian realm.

- 28. Accentuated paving, bollards, special crosswalk lighting, and other features shall be incorporated, where appropriate, to enhance pedestrian safety.
  - 29. Drought-tolerant and deer resistant plant materials, consistent with the town's design guidelines shall be incorporated as part of the overall landscape design.
  - ~~30. Bioswales shall be incorporated in parking areas as part of the overall landscape and storm drainage designs, to improve the quality of storm water runoff and to allow infiltration of storm water into the subgrade.~~
- B. No exception to the **above** regulations in **this section** is allowed for any development project which is subject to the ministerial review process.

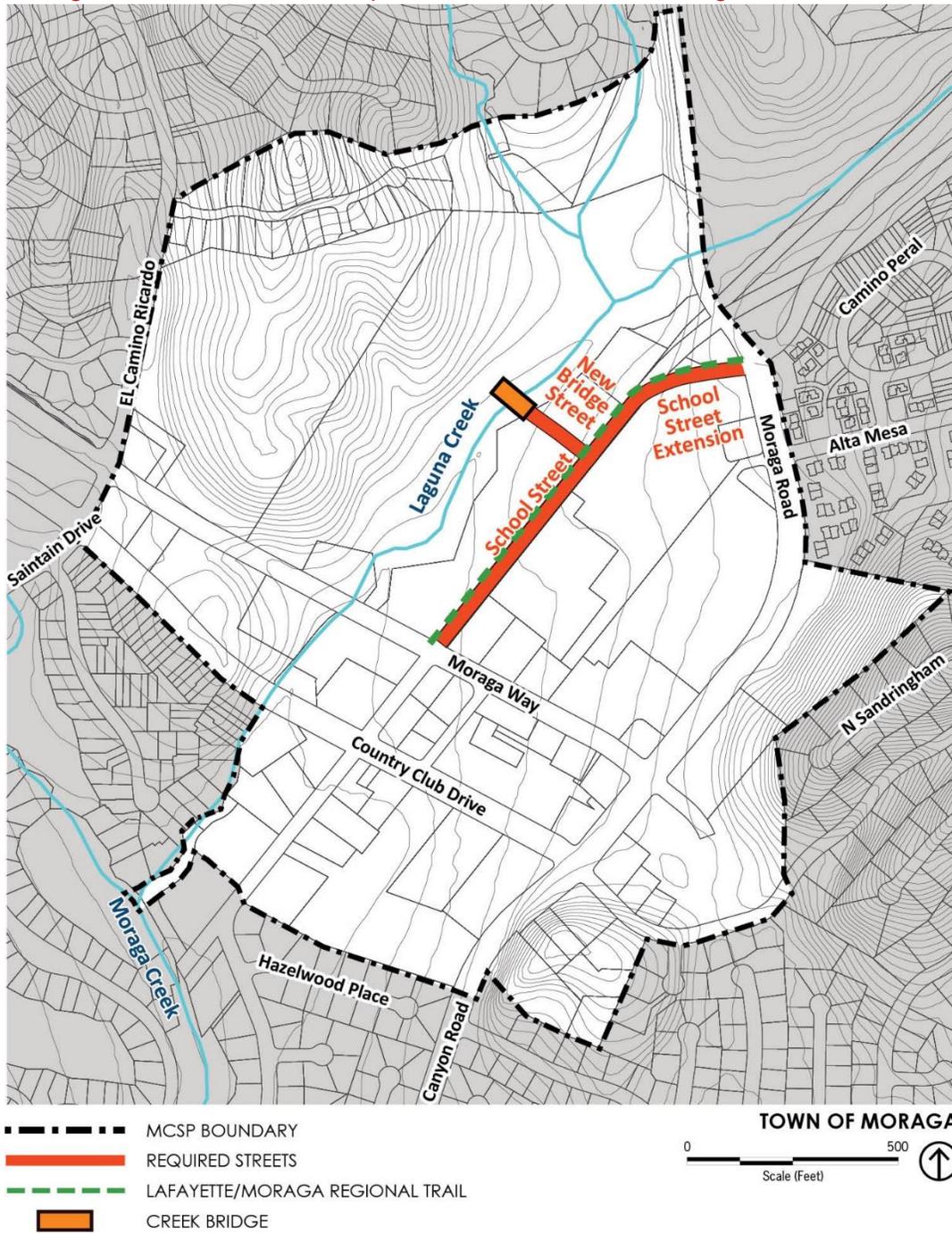
**8.200.060 – Town Square.**

- A. New development within the MCSP area described in this section shall include a “Town Square” designed and constructed following the design guidance contained in the Town of Moraga Design Guidelines. Construction of the Town Square shall be a condition of approval for new development or redevelopment that occurs after the date of adoption of this provision of the Development Code that cumulatively affects 50 percent or more of the MCSP Commercial and Mixed Retail / Residential districts bounded by Moraga Way, Moraga Road, and School Street combined with the area within the MCSP Commercial district south of Moraga Way.
- B. If the Town approves new development or redevelopment that cumulatively affects less than 50 percent of the areas described in Subsection A above, then the Town shall ensure through its review process that the portions of this area that are not yet subject to new development or redevelopment still have capacity to accommodate the required Town Square in a way that is consistent with the Design Guidelines.

**8.200.070 – Required Streets, Trails, and Bridge.**

- A. Development in the MCSP Area shall include construction of School and Bridge Streets, the Lafayette/Moraga Regional Trail, and a vehicular and pedestrian bridge over Laguna Creek, as shown conceptually in Figure 8.200-3 (Required Streets, Trails, and Bridges).
- B. A pedestrian/bicycle trail shall be allowed, but not required, along either side of the Laguna Creek bank.

Figure 8.200-3 – MCSP Required Streets, Trails, and Bridge



**8.200.080 – Street Types and Design Standards.**

- A. School Street shall be constructed following the specifications in Section 8.200.090.C(1). Other streets constructed in the MCSP area shall be constructed following the specifications in Sections 8.200.090.C(2) through 8.200.090.C(10). Deviations from the standards in this section may be approved by the planning commission upon a finding that the proposed deviations are in keeping with the goals and objectives of the MCSP and will result in the same overall urban design quality as the street standards contained in this section.
- B. Streets providing access to development(s) with building heights greater than 30 feet shall be designed to be a minimum of 36 feet wide, not counting the widths of parking lanes, as established by the Moraga-Orinda Fire District Fire Code, provided the development does not already have an access road that is a minimum of 36 feet wide, not counting the widths of parking lanes.
- C. Allowed street types within each MCSP Zoning District are established below:

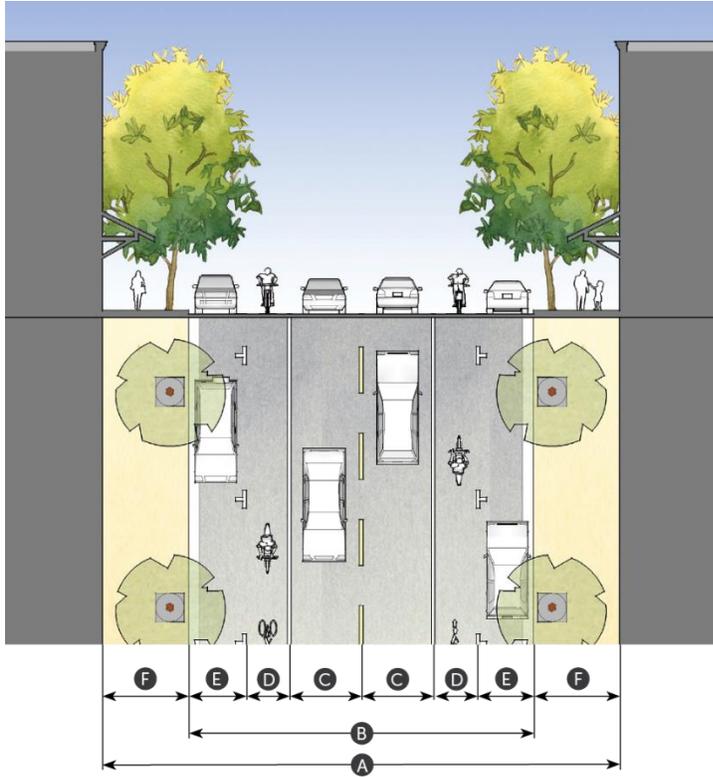
**STREET TYPES AND APPLICATION**

Street Type	R-3	R-6	R-12	R-20	MCSP-C	MCSP MU-RR	MCSP MU-OR	PD
Commercial Street with Diagonal Parking					X	X	X	
60-ft Right-of-Way Street			X	X	X	X	X	X
52-ft Right-of-Way Street	X	X	X					X
Pedestrian Mews (Hardscape and Green)			X	X	X	X	X	X

D. Streets within the MCSP area shall be designed to the following standards:

1. School Street.

Figure 8.200-4 – School Street

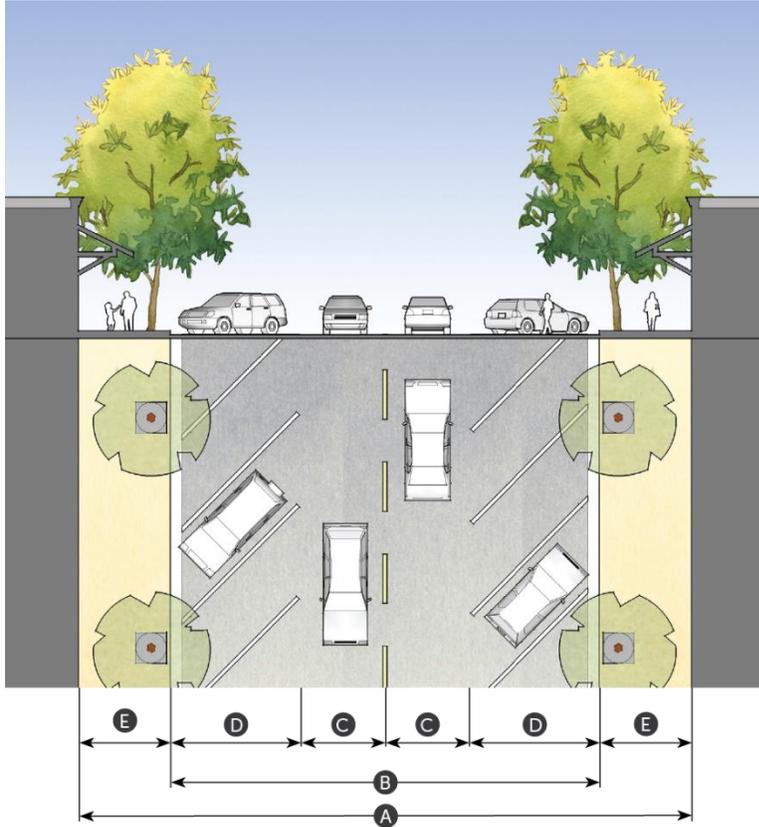


**SCHOOL STREET STANDARDS**

	Details	Figure Key
<b>A. Application</b>		
Design Speed	25 mph	
<b>B. Overall Widths</b>		
Right-of-Way (ROW) Width	72 feet	A
Pavement Width	48 feet	B
<b>C. Lane Assembly</b>		
Traffic Lanes	Two (2) at 10 feet each	C
Bicycle Lanes	Two (2) at 6 feet each	D
Parking Lanes	Two (2) at 8 feet each, marked	E
Medians	None	
<b>D. Public Frontage Assembly</b>		
Drainage Collection Type	Curb and gutter	
Planter Type	4-ft by 4-ft tree well	
Landscape Type	Trees at 30 feet on-center average	
Lighting Type	Post or column	
Walkway Type	12-ft sidewalk (includes tree wells)	F
Curb Type	Square	

## 2. Commercial Street with Diagonal Parking.

Figure 8.200-5 – Commercial Street with Diagonal Parking

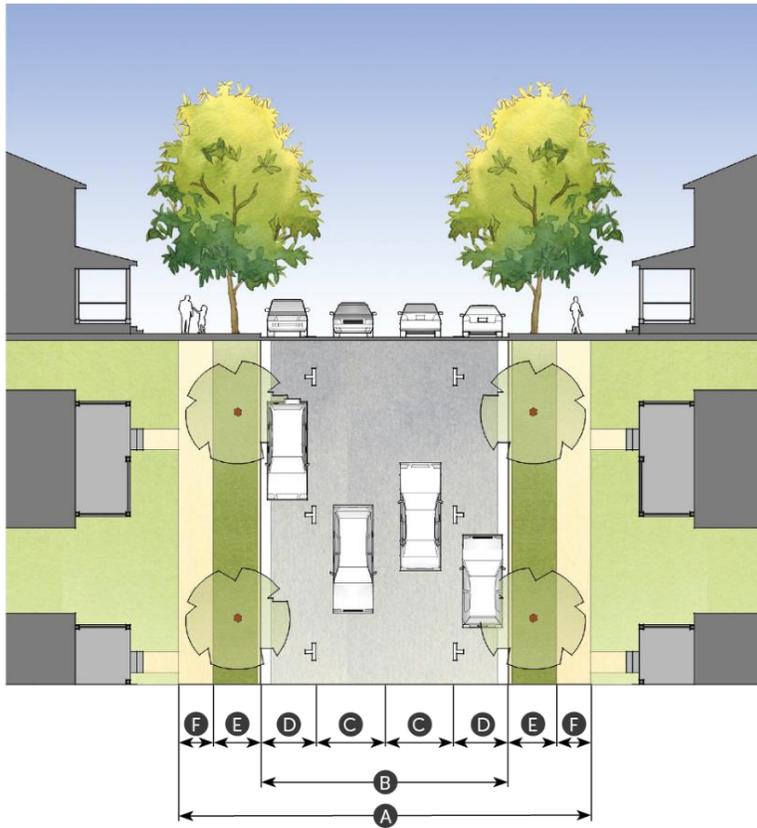


### COMMERCIAL STREET WITH DIAGONAL PARKING STANDARDS

	Details	Figure Key
<b>A. Application</b>		
Design Speed	20 mph	
<b>B. Overall Widths</b>		
Right-of-Way (ROW) Width	80 feet	A
Pavement Width	56 feet	B
<b>C. Lane Assembly</b>		
Traffic Lanes	Two (2) at 12 feet each	C
Bicycle Lanes	None	
Parking Lanes	Two (2) at 16 feet each, diagonally marked at 45 degrees	D
Medians	None	
<b>D. Public Frontage Assembly</b>		
Drainage Collection Type	Curb and gutter	E
Planter Type	4-ft by 4-ft tree well	
Landscape Type	Trees at 30 feet on-center average	
Lighting Type	Post or column	
Walkway Type	12-ft sidewalk (includes tree wells)	
Curb Type	Square	

## 3. 60-ft Right-of-Way Street.

Figure 8.200-6 – 60-ft ROW Street



**60-FT RIGHT-OF-WAY STREET STANDARDS**

	Details	Figure Key
<b>A. Application</b>		
Design Speed	25 mph	
<b>B. Overall Widths</b>		
Right-of-Way (ROW) Width	60 feet	A
Pavement Width	48 feet	B
<b>C. Lane Assembly</b>		
Traffic Lanes	Two (2) at 10 feet each	C
Bicycle Lanes	None	
Parking Lanes	Two (2) at 8 feet each, marked	D
Medians	None	
<b>D. Public Frontage Assembly</b>		
Drainage Collection Type	Curb and gutter	
Planter Type	6-ft continuous planter	E
Landscape Type	Trees at 30 feet on-center average	
Lighting Type	Post or column	
Walkway Type	6-ft sidewalk	F
Curb Type	Square	

#### 4. 52-ft Right-of-Way Street

Figure 8.200-7 – 52-ft ROW Residential Street



#### 52-FT RIGHT-OF-WAY STREET STANDARDS

	Details	Figure Key
<b>A. Application</b>		
Design Speed	25 mph	
<b>B. Overall Widths</b>		
Right-of-Way (ROW) Width	52 feet	A
Pavement Width	28 feet	B
<b>C. Lane Assembly</b>		
Traffic Lanes	Two (2) at 10 feet each	C
Bicycle Lanes	None	
Parking Lanes	One (1) at 8 feet, marked	D
Medians	None	
<b>D. Public Frontage Assembly</b>		
Drainage Collection Type	Curb and gutter	
Planter Type	6-ft continuous planter	E
Landscape Type	Trees at 30 feet on-center average	
Lighting Type	Pipe or post	
Walkway Type	6-ft sidewalk	F
Curb Type	Square	

## 5. Pedestrian Mews (Hardscape)

Figure 8.200-8 – Pedestrian Mews (Hardscape)

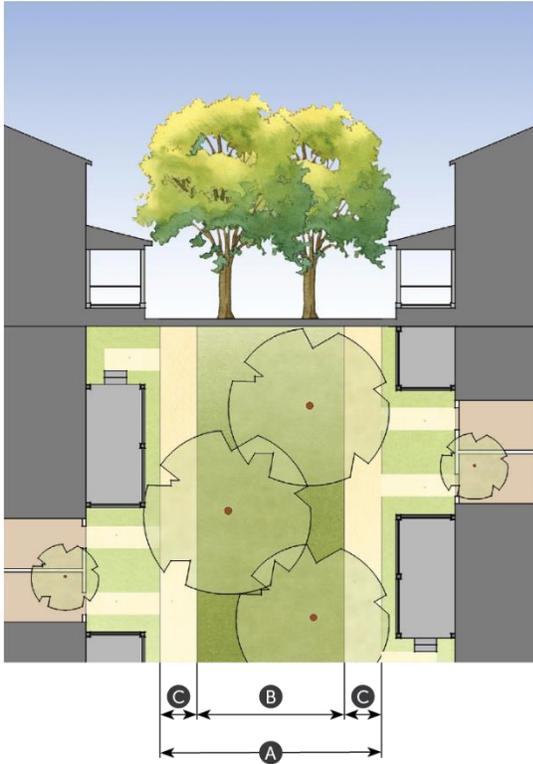


### PEDESTRIAN MEWS (HARDSCAPE) STANDARDS

	Details	Figure Key
<b>A. Application</b>		
Design Speed	N/A	
<b>B. Overall Widths</b>		
Right-of-Way (ROW) Width	20 feet minimum	A
<b>C. Public Frontage Assembly</b>		
Drainage Collection Type	Valley gutter or sheet flow	
Planter Type	4-ft by 4-ft tree well	
Lighting Type	Post or column	
Walkway Type	20-ft pavers	

## 6. Pedestrian Mews (Green)

Figure 8.200-9 – Pedestrian Mews (Green)



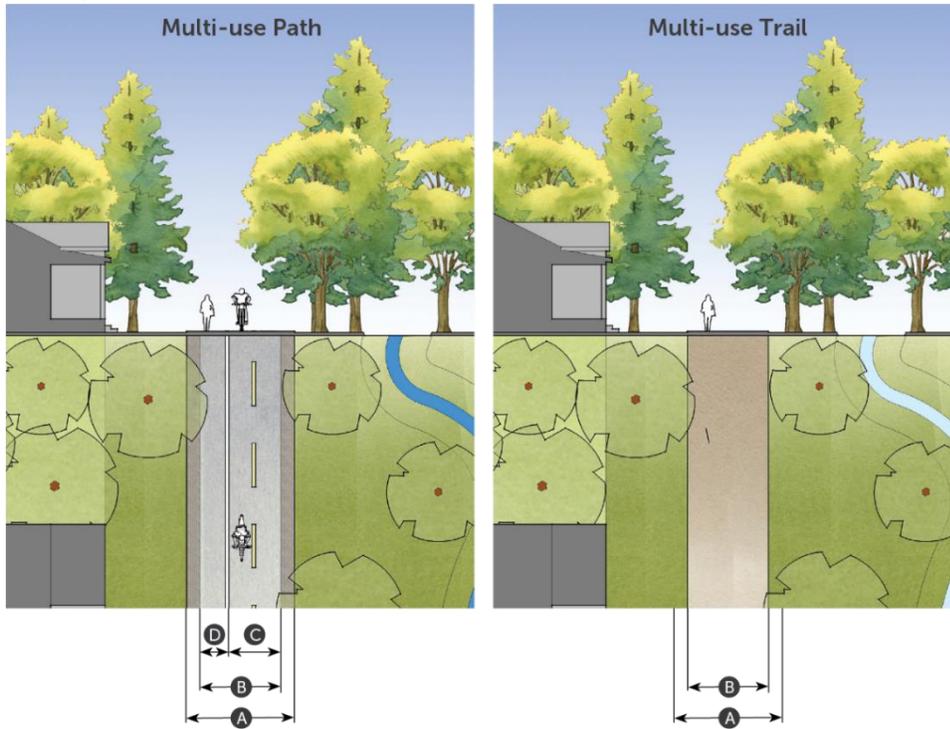
### PEDESTRIAN MEWS (GREEN) STANDARDS

	Details	Figure Key
<b>A. Application</b>		
Design Speed	N/A	
<b>B. Overall Widths</b>		
Right-of-Way (ROW) Width	30 feet minimum	A
<b>C. Public Frontage Assembly</b>		
Drainage Collection Type	Valley gutter or sheet flow	
Planter Type	18-ft minimum continuous planter	B
Lighting Type	Post or column	
Walkway Type	6-ft sidewalks along edges	C

### 8.200.090 – Trail Design Standards.

The Lafayette/Moraga Regional Trail, along with other trails within the MCSP area, shall be constructed in accordance with the design standards established in this section, unless a deviation is approved by the planning commission. Applicants may propose to construct either a “Multi-Use Path” or “Multi-Use Trail,” as defined below. The final decision on which of these two trail types to use, and regarding any deviations from these designs, shall rest with the planning commission.

Figure 8.200-10 – Multi-use Path & Multi-use Trail



#### MULTI-USE PATH/TRAIL STANDARDS

	Details	Figure Key
<b>A. Application</b>		
Right-of-Way (ROW) Width	16 feet	A
Pavement Width	12 feet	B
<b>B. Public Frontage Assembly</b>		
Drainage Collection Type	Sheet flow	
Planter Type	None	
Landscape Type	None	
Lighting Type	Post or column	
<b>C. Multi-Use Trail Assembly</b>		
Pedestrian Lanes	One (1) at 4 feet	D
Bicycle Lanes	Two (2) at 4 feet each	C
<b>D. Multi-Use Path Assembly</b>		
Shared Path	One (1) at 12 feet	

**8.200.100 – Standards Near Creeks and Channel Setbacks.**

- A. Structures adjacent to creeks and drainage channels within the MCSP area shall be set back from the top of bank by the horizontal distance indicated below, measured from the top of bank on each side of the watercourse:

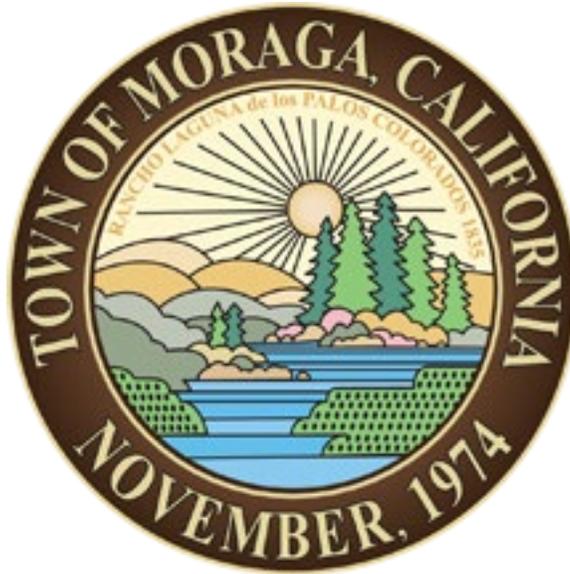
**CREEK AND CHANNEL SETBACKS**

Height of top of bank above channel invert	Horizontal distance between top of bank and any structure
less than 20 feet	30 feet
20 feet - 29.99 feet	35 feet
30 feet - 39.99 feet	40 feet
40 feet - 49.99 feet	45 feet
50 feet and greater	50 feet

- B. Where existing riparian vegetation extends beyond the limits required, the setback line shall be extended to include such riparian vegetation.

# ATTACHMENT D

Draft Design Guidelines, redline and strikeout



# Town of Moraga Design Guidelines

Revised July 2020

Adopted by the Moraga Town Council ~~Planning Commission~~ on ~~June~~ July 14, 2007  
Amended by the Moraga Town Council on ~~Amended by the Moraga Town Council on~~ January 27, 2010  
and ~~Amended by the Moraga Town Council Reso # 23-2018 on~~ April 11, 2018

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# DESIGN PHILOSOPHY

## PURPOSE AND ORGANIZATION OF THE DESIGN GUIDELINES

The design philosophy of the Town of Moraga Design Guidelines is drawn directly from the Town of Moraga General Plan Community Design element. General Plan community design policies are indicated below as *GP CD #* and serve as the foundation of the Town of Moraga Design Guidelines. These Guidelines have been developed to further the implementation of Title 8, 13, and 14 of the Moraga Municipal Code. They are used by staff, the Design Review Board, Planning Commission, and Town Council in the evaluation of proposed projects which require a building or grading permit. If followed closely by applicants when developing plans for approval by the Town, the opportunity for review at the staff level is possible (see Procedural Considerations).

The Design Philosophy of the Town of Moraga General Plan calls for the Town to: maintain the Town's semi-rural character; protect ridgelines and hillside areas; complement existing landscaping; enhance the Town's scenic corridors; minimize the impacts of development; thoughtfully design single-family residential neighborhoods; thoughtfully design new multi-family residential developments; and promote commercial centers as community places.

### **Maintain the Town's semi-rural character (SRC)**

- 1.) Protect important elements of the natural setting to maintain the Town's semi-rural character. Give particular attention to viewsheds along the Town's scenic corridors, protecting ridgelines, hillside areas, mature native tree groupings, and other significant natural features. (GP CD1.3) See Guidelines SRC1, SRC5, and RH4.
- 2.) Protect the scenic and environmental qualities of canyon and valley areas to retain the Town's semi-rural character. Preserve both close-up and distant views of the natural hillside landscape from valley areas, and preserve significant linear open spaces in major canyons and grassland valleys with floodplain zones as the visual focus. (GP CD1.4) See Guideline SRC8.

### **Protect ridgelines and hillside areas (RH)**

- 1.) Ridgelines and Hillside Areas. Protect ridgelines from development. In hillside areas, require new developments to conform to the site's natural setting, retaining the character of existing landforms preserving significant native vegetation and with respect to ridgelines, encourage location of building sites so that visual impacts are minimized. When grading land with an average slope 20% or more, require "natural contour" grading to minimize soil displacement and use of retaining walls. Design buildings and other improvements in accordance with the natural setting, maintaining a low profile and providing dense native landscaping to blend hillside structures with the natural setting.(GP CD1.5) See Guideline RH1 through RH10 and ID10.3, ID10.4, ID10.6, ID11.1, ID13.3, SFR2.12, SFR2.13, SFR2.14, SRC7, L1, L2, and L3.

## **Complement existing landscaping (L)**

- 1.) Emphasize and complement existing mature tree groupings by planting additional trees of similar species at Town entries, along major street corridors, in and around commercial centers, in areas of new development, and along drainage ways. (GP CD1.6) See Guidelines SC1.9, L3.8, and CC1.7e.
- 2.) Encourage the use of native, fire-resistive, and drought-tolerant species. (GP CD1.6) See Guidelines L2.5, L3.16 and SC1.11 and Appendix B.

## **Enhance the Town's Scenic Corridors (SC)**

- 1.) Improve the visual character along Scenic Corridors with lighting, landscaping, and signage. (GP CD3.2) See Guidelines SC1.1 and SC1.10.
- 2.) Use additional street tree planting, berms, fencing and ornamental landscaping to enhance the visual continuity along the Town's Scenic Corridors. (GP CD3.5) See Guidelines SC1.1.
- 3.) Require appropriate landscaping for both public and private developments located on designated Scenic Corridors, including pedestrian lighting and street trees within existing commercial areas. (GP CD3.5) See Guideline SC1.7 and CC1.7e.
- 4.) Encourage use of native and drought-tolerant species and, where applicable, preservation of orchard trees. (GP CD3.5) See Guidelines L2.5, L3.16 and SC11.
- 5.) Convert all overhead wiring in scenic corridor areas to underground as soon as possible. (GP CD3.7) See Guideline SC13.

## **Minimize the impacts of development (ID)**

- 1.) Concentrate new development in areas that are least sensitive in terms of environmental and visual resources, including areas of flat or gently sloping topography outside of flood plain or natural drainage areas. (GP CD1.1) See Guidelines ID1 and ID11.1.
- 2.) Retain natural topographic features and scenic qualities through sensitive site planning, architectural design, and landscaping. Design buildings and other improvements to retain a low visual profile and provide dense landscaping to blend structures with the natural setting. (GP CD1.2) See Guidelines ID7, L2, and L3.
- 3.) Whenever and wherever possible, convert overhead utility lines to underground and require underground utilities in areas of new development. (GP CD1.8) See Guidelines SC1.11 and ID13.8.

## **Thoughtfully design single-family residential neighborhoods (SFR)**

- 1.) Review by staff or Design Review Board to ensure that new residential development in existing neighborhoods reflect the size, scale, height, setbacks, and character of existing development. While new homes, home additions, and remodels should be allowed, they should not create adverse impacts on adjacent properties or detract from overall neighborhood character. All projects should be subject to discretionary review by staff. (GP CD4.3) See Guidelines SFR1.1-1.6 and SFR2.1-2.6.
- 2.) Design new single-family developments to create high quality pedestrian environments with pathways to adjacent neighborhoods and, where feasible, commercial areas. Ensure that the layout of new residential lots respects the site topography and natural features. Where feasible, avoid standard repetitive lot sizes and shapes in hillside areas. (GP CD4.4) See Guidelines SFR1.6.

## **Thoughtfully design new multi-family residential developments (MFR)**

- 1.) Locate new multi-family developments in close proximity to commercial centers, transit stops, and community facilities such as parks and schools, with site design and landscaping to create buffers between adjacent uses while providing connection to pedestrian and bicycle paths. (GP CD5.1) See Guideline MFR1.7.
- 2.) Ensure that new multi-family developments are planned, designed and constructed to enhance the local area, reflecting the scale and quality of their surroundings. Encourage designs that help to break up large building masses, for example by breaking one large building into several smaller buildings; providing variations in rooflines; creating a three-dimensional façade rather than a massive, flat façade; and using landscaping to soften building edges. Architectural styles and materials should reflect the character of existing residential neighborhoods, with landscaping to enhance the natural setting. (GP CD5.2) See Guidelines L3, MFR2.6, and MFR2.7.
- 3.) Require usable private and common open space in all new multi-family residential development. (GP CD5.3) See Guideline MFR1.8.
- 4.) Design new multi-family developments to create high quality pedestrian environments, with connections to the Town's pedestrian path and trail system. (GP CD5.4) See Guideline ID 13.7.

## **Promote commercial centers as community places (CC)**

- 1.) Improve the design quality of the Town's commercial centers, creating an attractive and inviting environment for shopping and socializing and enhancing their function as community focal points. Enhancements might include more landscaping; configuration of parking areas to incorporate more landscaping and create better pedestrian connections and entrances; architectural improvements to create visual focal points; creation of pedestrian walkways, plazas and seating areas; and signage improvements. (GP CD6.1) See Guidelines CC1.6-1.7.
- 2.) Ensure adequate traffic access, circulation and parking in the Town's commercial centers. Reduce potential safety hazards by minimizing the number of driveway openings onto public streets, encouraging side street access to commercial developments, and encouraging connections between developments. (GP CD6.2) See Guideline SRC3.
- 3.) Create a safe, inviting and functional pedestrian environment in commercial areas, with interconnected walkways; pedestrian amenities (e.g., seating, lighting, signage, landscaping); plaza

areas; and outdoor café spaces. Where pedestrian paths cross parking areas or vehicle lanes, give clear priority to pedestrians through pavement markings, differentiation in the pavement surface, and signage. (GP CD6.3) See Guideline CC1.7.

- 4.) Consider the use of flexible setbacks (for example, with new buildings at or near the public sidewalk and parking located to the side or rear) to achieve pedestrian-oriented design goals. (GP CD2.3) See Guideline CC2.6.
- 5.) Encourage high quality office development projects in close proximity to the Town's retail centers, with pedestrian connections between them. Encourage office building designs that respect the visual dominance of the landscape, reflect the scale and character of adjacent neighborhoods, and create buffers between residential neighborhoods and arterial roadways. (GP CD6.4) See Guideline CC1.1 and CC1.7.

## 2 PROCEDURAL CONSIDERATIONS

### DESIGN GUIDELINE IMPLEMENTATION

While there is no formula for good design, the Town of Moraga Design Guidelines are indicators of the type of design that the Town is likely to approve. The Town recognizes that each project represents a unique combination of design elements and natural features. Applicants and/or their representatives shall consider the Design Guidelines when developing a project proposal. Compliance with these Guidelines does not, however, guarantee approval. Similarly, needing to request an exception to the Guidelines does not mean that the application will be disapproved. Procedurally, compliance with the Design Guidelines enables a project to be considered at the staff level (Administrative Design Review, or ADR) unless the type or scale of the project requires Design Review Board (DRB) approval, such as applications for development in a scenic corridor<sup>1</sup>, hillside<sup>2</sup> development, new residential construction, and appeals from certain staff decisions. The definitions in Appendix D to the Town of Moraga's General Plan are expressly incorporated herein and shall be used to interpret and implement these Design Guidelines,

Exceptions to the Design Guidelines may be approved by the Design Review Board if the overall finding for design approval can be made. In single-family residential districts the DRB must find that:

- 1.) *The proposed improvements conforms with good design as set forth in the Town of Moraga Design Guidelines, and in general contributes to the character and image of the Town as a place of beauty, spaciousness, balance, taste, fitness, broad vistas, and high quality.*
- 2.) *The proposed improvement will not have a substantial adverse affect on neighboring properties or the community due to poor planning; neglect of proper design standards, or the existence of building and structures unsuitable to and incompatible with the character of the neighborhood.*
- 3.) *The proposed improvement will not lower property values; discourage the maintenance and improvement of surrounding properties; or preclude the most appropriate development of other properties in the vicinity.*
- 4.) *The proposed improvement will not impair the public health, safety, or welfare.*

The finding above that requires the Town to determine that the proposed improvements conform with good design as set forth in the Town of Moraga Design Guidelines means that, generally speaking, the project is in compliance with the Guidelines but exceptions from certain guidelines may be necessary in order to achieve overall acceptable design. This is in recognition of the fact that Design Guidelines can be in competition with one another, as there are often competing design considerations, such as water conservation, fire safety, and stormwater management.

In approving an application for design review, the DRB may impose conditions of approval. Such conditions would be required in order to mitigate any negative effects that the development may have on the site, the neighborhood, or the community as a whole. Special conditions may also be attached when the DRB is so directed by the Planning Commission (PC) or Town Council (TC), or when the DRB determines that such conditions are needed in order to implement policies adopted by the Commission or Council. Higher standards than the ones contained in these guidelines may be set by the Planning Commission for a particular development project, and such standards would then be implemented by the Design Review Board in place of the comparable guidelines.

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<sup>1</sup> The major scenic corridors designated in the General Plan include: Bollinger Canyon Road, Camino Pablo, Canyon Road, Donald Drive (along the ridgeline of Mulholland Hill), Moraga Road, Moraga Way, Rheem Boulevard, and St. Mary's Road.

<sup>2</sup> A hillside is defined as any slope greater than 20%.

## **DESIGN REVIEW PROCESS**

Prior to processing an application for design review, the application must be determined complete by the Town. The Town may, at its discretion, require that a portion of the required submittal be sent to a specialist for review, at the applicant's expense, prior to a determination of completeness.

All applications are subject to the applicable provisions of the Moraga General Plan and Municipal and State Codes, in addition to these Design Guidelines.

There are two levels of design review in Moraga. Additions to existing residences that conform to the Design Guidelines and are not proposed on a hillside or within a scenic corridor are eligible for review at the staff level (Administrative Design Review or ADR) with notice to neighbors but without a public hearing.

Design Review Board or DRB approval is required for all new residences and all additions to existing residences that require an exception to the Design Guidelines or are proposed within a scenic corridor or on a hillside. In addition, the DRB considers certain appeals from staff decisions. Appeals from DRB decisions and certain staff decisions are considered by the Planning Commission (PC). Similarly, the Town Council (TC) considers appeals from PC decisions and applications for grading on pre-development average slopes greater than 25%.

## **DESIGN GUIDELINES FOR HILLSIDES AND RIDGELINES**

On April 11, 2018, the Town Council adopted Design Guideline amendments as part of the Hillside and Ridgelines project. These amendments clarify the Town's design preferences to support new development that maintains Moraga's unique semi-rural feel and scenic natural setting. Specific amendments to the Design Guidelines adopted as part of the Hillside and Ridgelines project are as follows ("Hillside and Ridgelines Amendment"):

- New design guidelines for hillside development in Section 4 (Protect Ridgelines and Hillside Areas).
- Revised design guidelines for development within 500 feet of a scenic corridor in Section 6 (Enhance Town's Scenic Corridors)
- New maximum floor area ratio guidelines for lots greater than 20,000 square feet in Appendix B.

The following types of development projects are exempt from the Hillside and Ridgelines Amendments:

1. Proposed development projects within the Moraga Center Specific Plan (MCSP) area, which shall be governed by the provisions of the MCSP, as may be amended from time to time, and any amendments to the Moraga General Plan adopted in conjunction with any amendment to the MCSP.
2. Subdivisions approved by the Town where a Final Map has been recorded for the subdivision prior to the effective date of the Hillside and Ridgelines Amendments.
3. Pending development project applications with a published Draft EIR or IS/MND as of the effective date of the Hillside and Ridgelines Amendments, provided no entitlements have been granted. Such pending development project applications shall be governed by the provisions of the Moraga General Plan and all other applicable policies, standards and regulations in effect prior to the adoption of the Hillside and Ridgeline Amendments. Notwithstanding such exemption, once any pending development project application has been acted upon by the final

reviewing body or is withdrawn by the applicant, this exemption shall no longer apply to any such application.

For any development project not specifically exempt from the Hillsides and Ridgelines Amendments, such amendments govern in accordance with and to the fullest extent permissible under law.

### **3 MAINTAIN THE TOWN'S SEMI-RURAL CHARACTER (SRC)**

#### **APPLICABLE TO ALL TYPES OF DEVELOPMENT**

These guidelines are intended to help preserve the semi-rural features that make Moraga unique when considering applications for development. Therefore, ***these guidelines are applicable to all types of development.***

- SRC1 Retain, protect, and utilize existing natural features, such as trees and other vegetation, interesting ground forms, rocks, water, and significant views in the design.
- SRC2 The impact and presence of vehicles resulting from the development should be minimized through proper siting and screening in order to buffer parking areas from locations both interior and exterior to the site.
- SRC3 Circulation systems should avoid conflict between vehicular, bicycle and pedestrian traffic. Emergency and service vehicle access shall be accommodated within the circulation system.
- SRC4 Accessory structures should not encroach upon front yard and exterior side yard setbacks.
- SRC5 Preserve natural site amenities.
  - a. Development should be planned in relation to natural features.
  - b. Natural features must be protected both during and after construction of the project.
  - c. Retain trees and other native vegetation, consistent with tree preservation ordinance, to maintain current stability of steep hillsides, retain moisture, prevent erosion, and enhance the natural scenic beauty. Grading under tree drip lines should be avoided to protect the root system during development.
  - d. Treat significant natural features, such as creeks, rock out-croppings, and prominent knolls, as assets.
- SRC7 New trees should be planted to compliment the natural pattern of tree placement and should be selected from one of the palettes in Appendix B.
- SRC8 Mature native tree groupings should be protected.
- SRC9 Improvements should be sited away from creeks to enhance safety and to protect existing drainage patterns, riparian habitat, and wildlife.

## 4 PROTECT RIDGELINES AND HILLSIDE AREAS (RH)

This section establishes design guidelines for development in hillside areas in Moraga. A “hillside area” as defined in Chapter 8.04 of the Moraga Municipal Code includes either of the following:

- A parcel with an average predevelopment slope of twenty (20) percent or greater; or
- The area of a parcel where (i) the area of disturbance of a development project and/or (ii) the footprint of the primary structure, has an average predevelopment slope of twenty (20) percent or greater. These particular areas of a parcel shall be classified as a “Hillside Area” or “Hillside Land” regardless of the average predevelopment slope of the entire site or parcel in which the area of disturbance or the footprint of the primary structure is located.

Guidelines in Part 1 of this section apply only to subdivisions and new homes on an undeveloped parcel or site. Part 2 contains guidelines that apply to subdivisions and new homes **as well as** to additions that add a full or partial upper story to an existing home and/or increase the floor area of an existing home by 35 percent or more.

Some guidelines in this section address issues covered elsewhere in the Design Guidelines. In such a case, related guidelines in other sections are noted below. Hillside projects must comply with these other guidelines as applicable. In the case of conflict between guidelines in this section and in other sections, the more restrictive shall prevail.

### PART 1: GUIDELINES THAT APPLY ONLY TO SUBDIVISIONS AND NEW HOMES

#### RH1: SUBDIVISIONS

*See also guidelines SRC1, SRC5, SRC9, ID5, ID13, SFR1.*

RH1.1 General Design. New subdivisions should be designed to minimize alteration to the natural terrain, blend with the natural setting, and preserve the scenic qualities of hillside areas.

RH1.2 Site Constraints. Development should be located in the portion or portions of the site that is/are least constrained and most suitable for development. To the greatest extent possible, the location of development should avoid the following constraints:

- Unstable soil, landslide susceptibility and other geologic hazards.
- Areas highly visible from a scenic corridor.
- Areas where proposed development would project above a ridge when viewed from any scenic corridor.
- Significant natural landforms including rock outcroppings, prominent knolls, bluffs, ravines, and other similar geologic features.
- Steep slope areas.
- Protected native, historic, and orchard trees as defined in Moraga Municipal Code Chapter 12.12, sensitive vegetation, wetlands, riparian areas, and special status species habitat.
- Wildfire hazard areas.
- Waterways and flood hazard areas.

Applicants for a development project shall submit a constraints analysis that identifies the location of these constraints on the site and demonstrates that location of the development will avoid these constraints to the greatest extent possible.

RH1.3 Design Variation. Homes within a subdivision should exhibit design variation that minimizes repetitive forms and contributes to a more organic design aesthetic. As appropriate, homes should feature variation in:

- Front building setbacks and placement on lots;
- Floor elevations and building heights; and
- Building massing, elevations, floor plans, architectural style, materials and colors.

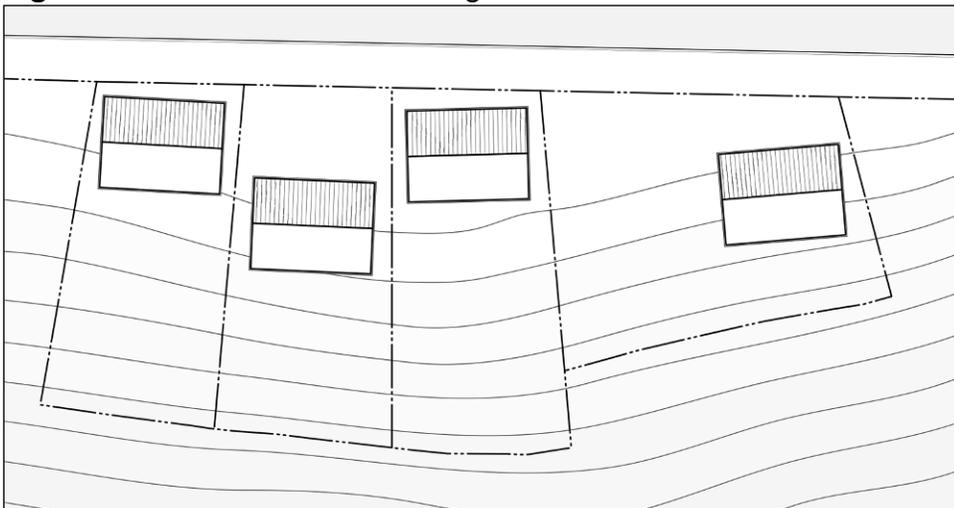


*Variation in the placement, orientation, setbacks, and architectural styles of homes creates visual interest in Moraga hillside subdivision*



*Variation in building heights contributes to a more organic design aesthetic*

**Figure RH-2: Variation in Building Setbacks**



*Variation in building setbacks helps a subdivision to blend into the natural setting*

- RH1.4 Clustered Development. Homes should be clustered if doing so will maximize the amount of preserved open space and better maintain the predominantly natural character of the hillside. Greenbelts and/ or fuelbreaks, incorporating appropriate transitional landscaping treatments, should be used to separate clustered structures from natural areas.
- RH1.5 Density on Steep Slopes. Densities should be minimized on steep slopes to reduce exposure to geologic hazards and limit alteration of natural landforms.
- RH1.6 View Impacts. Development should be located and design to minimize impacts to both close up and distant views of the natural hillside and ridgeline landscape as seen from valley areas.

## **RH2: ROADS AND SIDEWALKS**

*See also guidelines ID13.3, ID13.4, ID13.9.*

- RH2.1 Visibility. Roads should be located, designed, and landscaped to minimize their visibility from scenic corridors.
- RH2.2 Natural Contours. Roads should follow the natural contours of the land and should not be orientated perpendicular to contour lines.

- RH2.3 Curbside Parking. To reduce grading and allow for narrower roads, curbside parking lanes are discouraged. Guest parking should be provided through shared parking bays where doing so minimizes visual impacts and site disturbance.
- RH2.4 Width. Roads should not exceed the minimum width required for emergency vehicle access and to meet applicable public works standards.
- RH2.5 Sidewalks. Sidewalks may be provided on one side of the road only if doing so will minimize road width, grading, and general site disturbance. Separated and/or meandering pedestrian facilities that can accommodate landscape buffering and grade separations to better respond to topography are encouraged.

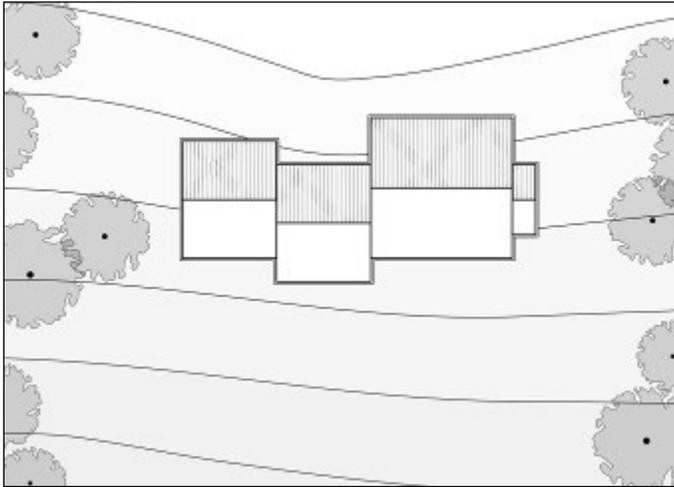
### **RH3: Building Placement and Foundation Design**

*See also guidelines SRC1, SRC5, SRC7, SRC8, SRC9.*

#### **A. Building Placement**

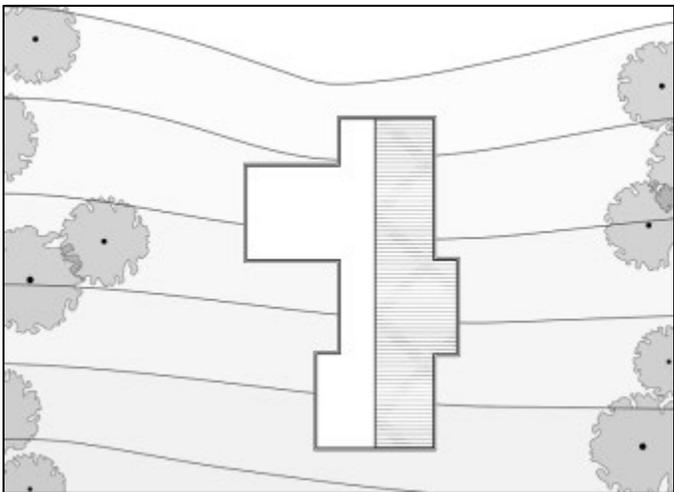
- RH3.1 Minimize Grading and Avoid Natural Features. Buildings should be located on lots in a manner that minimizes the need for and total amount of grading to the extent practicable and avoids disturbances of natural features where possible.
- RH3.2 Conform with Natural Topography. Building placement should conform to the natural topography of the site and run with the contours in order to reduce the appearance of bulk and minimize the need for grading.
- RH3.3 Appearance of Mass. On downhill lots, buildings should be placed on the lot so as to reduce building mass that hangs over or steps down the slope.

### Figure RH-3: Conform with Natural Topography



*Buildings placed to conform with natural topography and site's contours (top) minimize the amount of grading and reduce the appearance of bulk.*

**DO THIS**

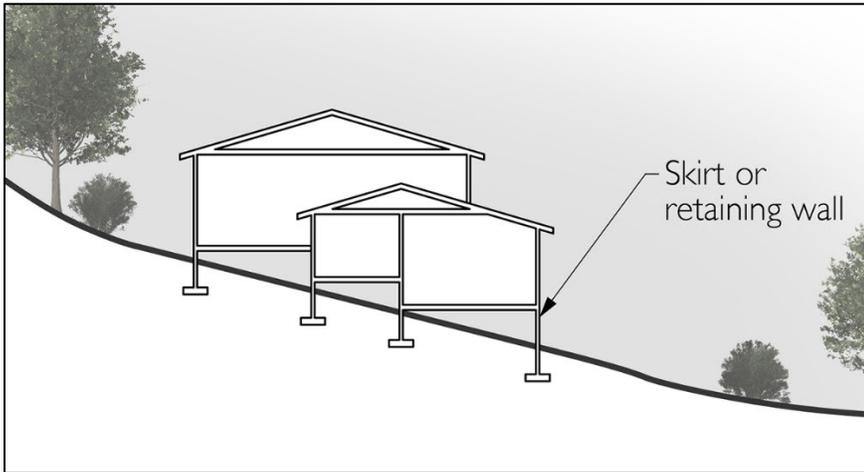


**DON'T DO THIS**

### B. Foundation Design

**RH3.4 Stepped Design.** Where the existing slope of the development site is 20 percent or steeper, dwellings should exhibit a stepped design that follows the natural terrain and does not stand out vertically from the hillside. Dwellings may be designed with a stepped, pier and grade beam, or a custom foundation to limit grading and alterations to the natural terrain. The Town may grant an exception to this stepped design guideline in accordance with guideline RH 3.5 below.

**Figure RH-4: Stepped Foundation**



*Stepped foundation helps to minimize appearance of mass and bulk.*

**RH3.5 Deviation from Stepped Design Guideline.** The Town may allow a project to deviate from the stepped design guideline in RH3.4 above upon finding that a single-level padded lot will produce a superior design that more fully conforms to the Town’s design goals for hillside development. If a deviation is allowed, the single-level padded project should comply with the following guidelines:

- Significant vegetation, rock outcroppings, or other important natural features as determined by the reviewing authority should not be removed or disturbed.
- The vertical height of any resulting graded slope or combination retaining wall and slope visible from a public place or neighboring property should be minimized to the extent possible.
- Pads should be the minimum area to accommodate the structure and a reasonable amount of open space.
- Pad height should be minimized to the greatest extent possible.



*Examples of hillside homes with stepped foundations in Orinda (left) and Lafayette (right).*

## **PART 2: GUIDELINES THAT APPLY TO SUBDIVISIONS, NEW HOMES, AND ADDITIONS**

The guidelines below apply to subdivisions, new homes, and additions that add an upper story to an existing home and/or increase the floor area of an existing home by 35 percent or more. If an existing home or site conflicts with a guideline, the guideline shall apply only to the addition or change to the site.

### **RH4: Building Design**

*See also guidelines ID2, ID13.2, SFR12, SFR2.*

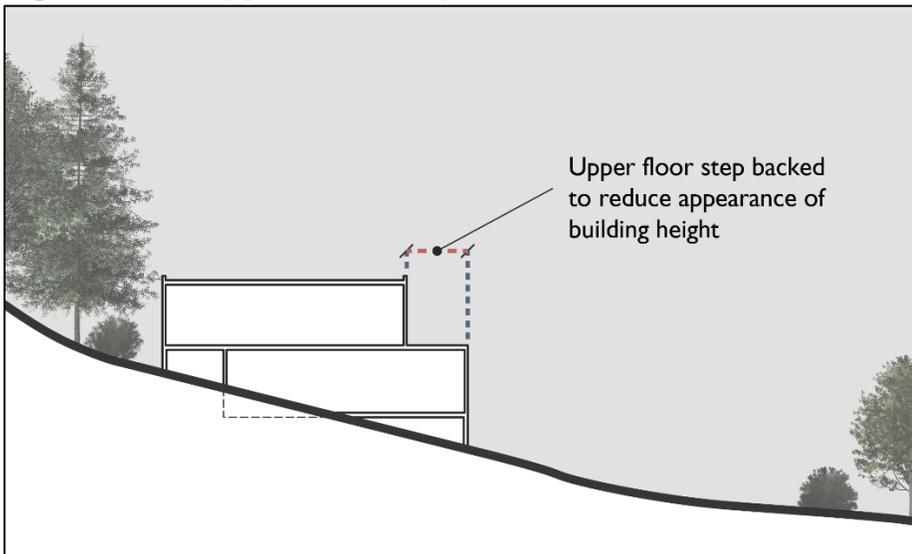
#### **A. Building Height and Stepbacks**

- RH4.1 Building Height. Building height should be minimized to reduce visual prominence and blend into the natural setting.
- RH4.2 Elevated Padded Lots. In cases where the modified grade of a home site exceeds existing grade, building pads should be established at the lowest elevation possible given site constraints and project objectives. Development projects with elevated building pads shall be subject to heightened design review requirements in accordance with Municipal Code Section 8.72.060.
- RH4.3 Stepbacks. On up-sloping lots, upper stories facing a street should be stepped back a sufficient distance from the ground floor to minimize the building's visual height as viewed from the street and other down-slope public places.



*Example of hillside homes with upper story stepback in Orinda (left) and Lafayette (right).*

**Figure RH-5: Upper Floor Stepbacks**



*Stepping back upper floors on down sloping lots reduces a building's visual height.*

RH4.4 Underfloors (Skirt Walls). The vertical distance between the lowest finished floor of an elevation of a building and the finished grade should not exceed 6 feet.

#### **A. Building Mass and Volume**

RH4.5 Building Mass. Building design should incorporate techniques to effectively reduce the appearance of mass, bulk and volume where visible from a public place or neighboring property. Such techniques include, but are not limited to:

- Keeping building forms simple and avoiding architectural styles that are inherently viewed as massive and bulky.
- Minimizing the square footage of a home and avoiding large volume buildings forms.
- Avoiding the use of architectural features that increase visual prominence, such as two-story entries, turrets, and large chimneys.
- Avoiding overhanging decks, large staircases and patios formed by retaining walls that make buildings appear more massive.
- Stepping the building foundation and roofs with the natural slope.
- Stepping back second stories so that a difference in wall planes is visible from a distance.
- Creating light and shadow by providing modest overhangs, projections, alcoves, and plane offsets,
- Using vaulted ceilings rather than high walls and ceilings with attics above to achieve a feeling of volume.

## B. Building Elements

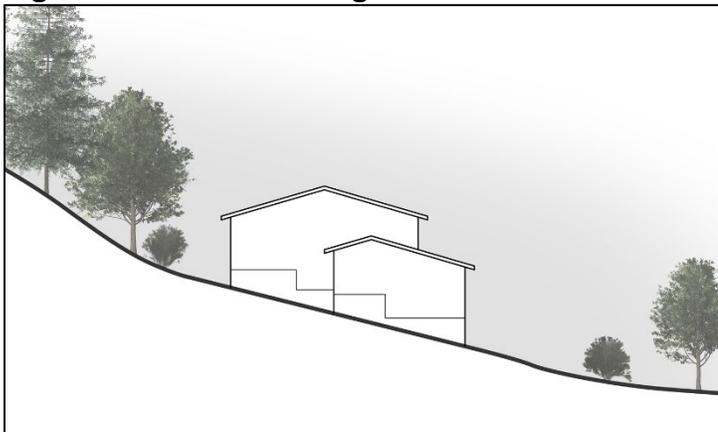
RH4.6 Roofs. Roofs should be designed to minimize the visual prominence of buildings and complement the surrounding landscape. This may be accomplished by:

- Orienting the slope of the main roof in the same direction as the natural slope of the terrain.
- Minimizing the use of long, linear roof lines.
- Dividing roof forms into a series of smaller components that reflect the irregular forms of the surrounding natural features.
- Incorporating roof colors with darker earth tones that are less conspicuous when viewed from a distance.
- Reducing roof pitch to no more than 4:12.
- Utilizing hipped roof designs.



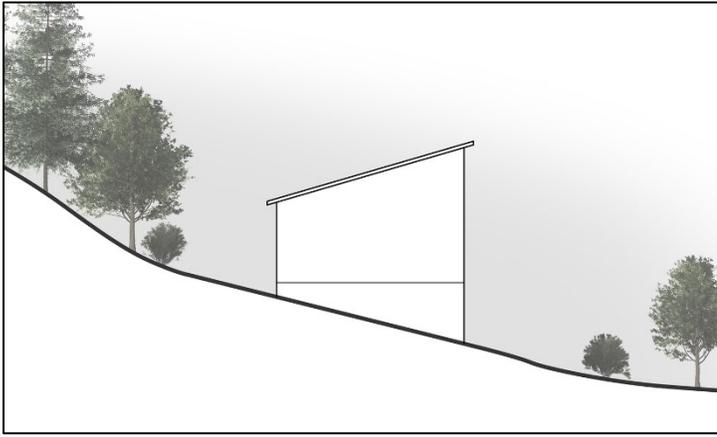
*Example of roof forms broken into multiple elements in Moraga (left) and a roof that follows the natural slope in Orinda (right).*

### Figure RH-6: Roof Design



*Roofs that slope in the same direction as the natural terrain (top) minimize the visual prominent of buildings.*

**DO THIS**



## **DON'T DO THIS**

RH4. Exterior Colors. Exterior colors for new structures should be coordinated with the predominant colors and values of the surrounding landscape to minimize contrast of structures with their background when viewed from scenic corridors and other public areas.

RH4.7 Window Tinting. Mirror-like window tinting should be avoided.

### **RH5: Grading**

*See also Guidelines ID10, ID11.1, SFR1.6, SFR1.12*

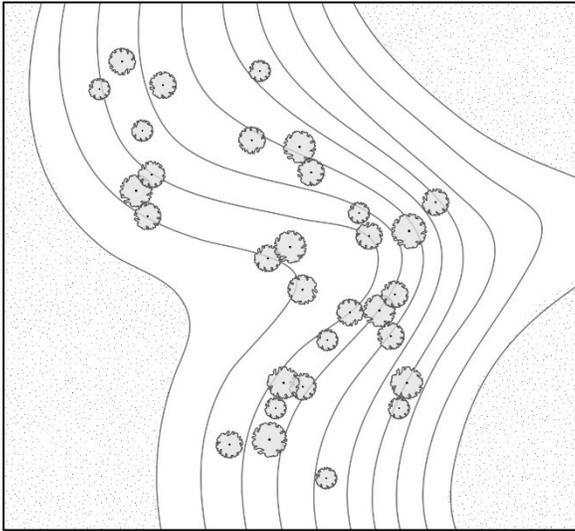
RH5.1 Contour Grading. Contour grading techniques should be used to blend with natural slopes and achieve a natural appearance. The following concepts should be utilized:

- Hard edges left by cut and fill operations should be given a rounded appearance that closely resembles the natural contours of the land.
- Manufactured slopes adjacent to driveways and roadways should be modulated by berming, regrading, and landscaping to create visually interesting and natural appearing streetscapes. However, preservation of trees and avoidance/elimination of retaining walls where possible is a priority.
- Where cut and fill conditions are created, slopes should be varied rather than left at a constant angle, which creates an unnatural, engineered appearance.
- The angle of any graded slope should be gradually transitioned to the angle of the natural terrain. Creation of new grades slopes, significantly steeper than local natural slopes should be minimized.

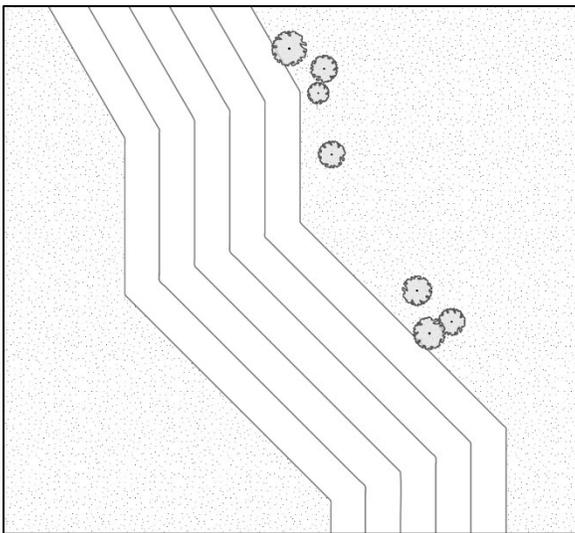
RH5.2 Grading Areas on Lots. Graded areas on lots should not be larger than the area of the footprint of the house, plus that area necessary to accommodate pedestrian and vehicle access, required parking and turnaround areas, and reasonably-sized yard space.

RH5.3 Restoration of Original Topography. After completion of construction, areas of disturbance should be restored as closely as possible to their original topography.

### **Figure RH-7: Contour Grading**



**DO THIS**



**DON'T DO THIS**

## **RH6: Landscaping**

RH6.1 Use of Landscaping. Landscaping should be used to maintain the natural appearance of the hillside, blend structures with the natural setting, and screen structures from public and private views. Plant palettes should be consistent with those specified in Design Guidelines Appendix D.

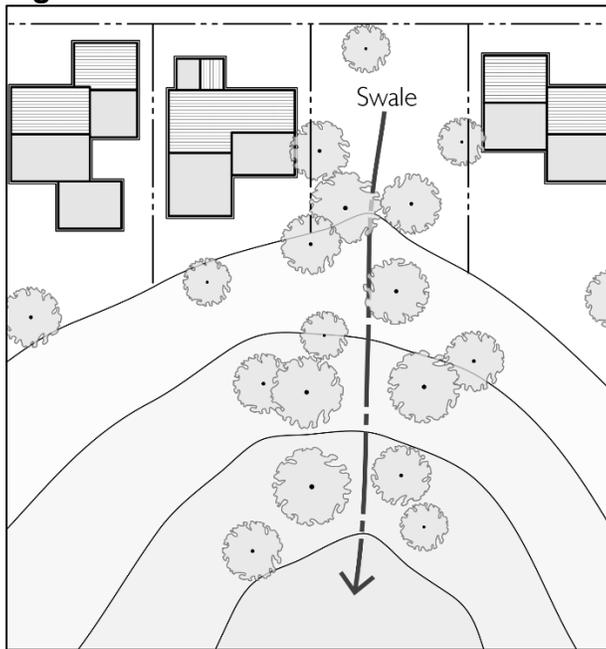


*Existing and new landscaping help to blend Orinda home into the natural appearance of the hillside.*

- RH6.2 Fire Safe Landscaping. Fire safe landscaping should be used consistent with Guideline L1.
- RH6.3 Turf Grass. Turf grass should not occupy more than 25 percent of total yard area.
- RH6.4 Formal Gardens and Turf Areas. Geometric landscape design visible from public places should be minimized. When visible from a public place, formal gardens (including ornamental plantings, hardscape, and turf areas) should be limited to locations immediately adjacent to the house such as entry ways or small gardens at the rear.
- RH6.5 Location of Plant Types. Irrigated landscaping should be concentrated adjacent to the dwelling. Landscaping should transition to more natural planting on the remainder of the lot. Plant species outside of the usable open space immediately adjacent to the dwelling should be indigenous and appropriate for the immediate natural habitat.
- RH6.6 Configuration. Plants visible from a public street should be clustered informally to blend with the natural vegetation. Trees and shrubs should not be planted in a straight lines to define property lines, driveways, or edges.
- RH6.7 New Trees.
- a) Trees should be planted along contour lines in undulating groups to create grove effects which blur the distinctive line of the graded slope.
  - b) Trees planted in proximity to ridgelines should be similar in height and form to that of naturally occurring species in the vicinity, and when naturally occurring trees and vegetation do not protrude above a ridgeline, follow a similar pattern.

- c) When possible, locate trees at the edges of swale areas and bioretention facilities to more closely reflect natural conditions and gather surface runoff for plant irrigation.

**Figure RH-8: New Trees**



*New trees planted at edges of swale reflect natural conditions*

## **RH7: Drainage**

*See also guidelines SRC9, L2.3, ID12*

- RH7.1 Natural Drainage Courses. Natural drainage courses should be preserved with native vegetation intact, should be enhanced to the extent possible, and should be incorporated as an integral part of the site design in order to preserve the natural character of the area. Appropriate creek structure setbacks should be defined and maintained free of any development.
- RH7.2 Naturalizing Treatment. Manmade drainage channels should receive a naturalizing treatment such as rock and landscaping so that the structure appears as a natural part of the environment.
- RH7.3 Runoff Dispersion. Runoff should be dispersed within the subject property through landscape infiltration to the greatest extent feasible. Runoff concentration that requires manmade drainage channels or engineered drainage facilities should be avoided.
- RH7.4 Visibility. Manmade drainage channels should be placed in the least visible locations possible.

## RH8: Site Elements

### A. Driveways

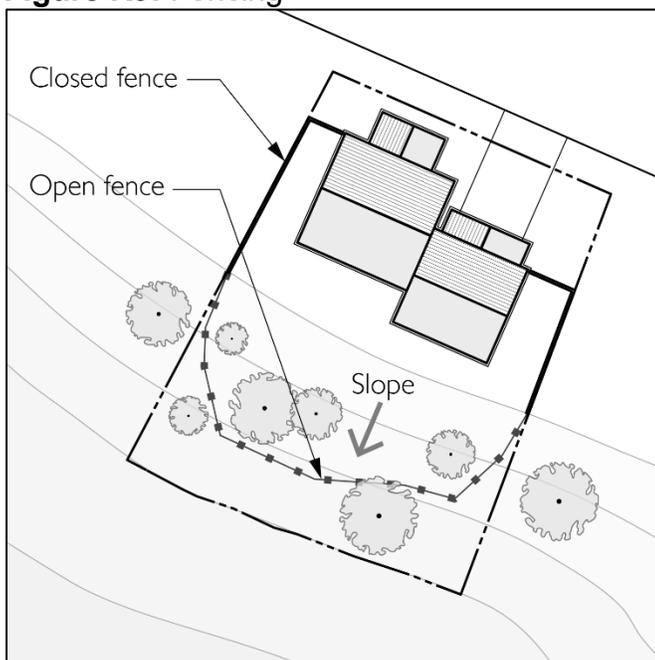
See also Guideline ID13.6, ID13.9, SFR1.7, SFR1.8, SFR1.9

- RH8.1 Driveway Location. Driveways should be located to minimize the need for grading and should align with the natural contours of the land to the greatest extent possible.
- RH8.2 Driveway Width. Driveways widths should be the minimum required by Town regulations. Common driveways shared by multiple units should be used to the extent possible.
- RH8.3 Driveway Material. Driveways should be darkened, colored, or textured to exhibit a natural appearance and to blend in with the surroundings.

### B. Fences

- RH8.4 Solid Fencing. Solid fencing should only be used to enclose the immediate usable outdoor space around a house and should not be used to delineate property lines.
- RH8.5 Perimeter Fencing. Where fencing is needed to delineate private property from public or common areas, fencing should remain visually open (i.e., split rail or wire deer fencing) in order to minimize the visual “ribbonlike” effect of fencing on the hillsides. Perimeter chain link fencing is prohibited.

**Figure R9: Fencing**



*Fencing along perimeter of parcel remains visually open to minimize a “ribbonlike” effect on the hillside*

### **C. Retaining Walls**

*See also Guidelines ID11.*

- RH8.6 **Materials.** Retaining walls that are visible from a public street should blend with the natural hillside environment and promote a semi-rural character through veneers of natural stone, integrally-colored concrete, textured surfaces, and other similar treatments.
- RH8.7 **Follow Topography.** Retaining walls should blend with the natural topography, follow existing contours, and be curvilinear to the greatest extent possible.
- RH8.8 **Landscaping.** Landscaping should be provided adjacent to retaining walls visible from a public street and should include a combination of native trees and shrubs to screen the retaining walls from view to the greatest extent practicable.

### **D. Outdoor Lighting**

*See also Guideline ID6.*

- RH8.9 **Site Lighting.** Outdoor lighting on private property which is visible from public streets should be indirect or incorporate full shield cut-offs. Light sources should not be seen from adjacent properties or public rights-of-way.
- RH8.10 **Street Lighting.** In order to minimize light pollution and maintain enjoyment of the night sky in hillside areas, street lighting should not exceed the minimum illumination required by the Town and other public agencies unless determined necessary by the Town to protect the public health, safety and welfare.

## **5 COMPLEMENT EXISTING LANDSCAPING (L)**

Moraga values abundant landscaping and high design standards.

### **L1 FIRE SAFE LANDSCAPING**

The Fire District highly recommends the use of fire safe landscaping in residential, commercial, and open space areas that might be threatened by fires, such as sloped lots.

In order to ensure that vegetation does not promote the spread of fire between residences or between open space, development should take into consideration fire safety in the design of landscapes. The Town shall consider the following factors when reviewing development proposals:

- L1.1 On residential lots located adjacent to open space or heavily wooded areas, trees should be planted no closer than 15 feet from the exterior wall of a residence.
- L1.2 Consideration should be given to avoiding flammable trees and shrubs where possible. Selection should be from those listed as fire resistant in Appendix B. Consult the Moraga Fire Protection District for highly flammable plant species to be avoided such as certain pine, juniper, and eucalyptus species.
- L1.3 Landscaping should be properly irrigated to assure that plants retain their fire retardant capability, but shall not be over watered so as to create runoff from the site.
- L1.4 On residential lots located adjacent to open space or heavily wooded areas, landscaped areas should be maintained with a “wet band” (spray irrigation) that is a minimum of 30-100 feet in width, where setbacks allow. For fire safety consideration contact the Fire District for distance guidelines.
- L1.5 The use of shredded bark should be avoided; bark chips are recommended. Suggested minimum depth of chips is 3 inches.
- L1.6 The Town will weigh the merits of water conserving landscapes in conjunction with fire safety and stormwater management.

### **L2 SINGLE-FAMILY RESIDENTIAL LANDSCAPING AND IRRIGATION**

- L2.1 Residential properties should be landscaped and irrigated in accordance with the natural environment.
- L2.2 New irrigation systems shall include automatic rain shut-off controller devices.
- L2.3 Irrigation runoff shall not be discharged into the storm drain system. Therefore, over watering of the landscape shall be avoided. Opportunities shall be provided for biofiltration that routes stormwater through landscaping and then to an appropriate drainage facility.
- L2.4 Drought tolerant plant species are encouraged as they use less water and are often fire safe.
- L2.5 Drought tolerant, fire resistant, native tree and shrub species should be selected from one of

the palettes in Appendix B. The Town of Moraga encourages planting of native species over non-native species and encourages applicants to refer to the Native Plant Society website at [www.nps.org](http://www.nps.org) to check that the plants that you select are not invasive species.

### **L3 MULTI-FAMILY AND COMMERCIAL LANDSCAPING AND IRRIGATION**

- L3.1 Landscaped areas should be planned as integral parts of the project and not simply as leftover green spaces to be planted on the site.
- L3.2 Areas not covered by buildings or structures enclosed for storage or used for paved walks, alleys, or drives should be completely landscaped and irrigated.
- L3.3 Parking lots should be landscaped through the use of concave islands and medians swales designed to accommodate trees, shrubs, and ground cover while providing drainage and biofiltration of concentrated stormwater. Fast growing deciduous or evergreen trees should be planted at a ratio of one tree for every 4-6 parking spaces, to create maximum summer shade.
- L3.4 Landscaping should permit adequate sight distance for motorists and pedestrians entering and exiting the site and shall not interfere with parking lot and circulation effectiveness.
- L3.5 Landscaping should be developed to relieve solid, unbroken elevations and soften continuous wall expanses as well as complement a building or building cluster.
- L3.6 Significant landscaping should be provided around the perimeter of the site.
- L3.7 Dense landscaping should be incorporated into any project to screen unattractive views and features such as storage areas, trash enclosures, parking lots, public utilities, and other elements that detract from the appearance of the surrounding area.
- L3.8 Tree and shrub planting may be grouped together in order to create stronger accent points or a sense of place.
- L3.9 Initial landscaping should be of a size and quality that a mature appearance will be attained within three years of planting. At least 25% of the proposed trees on the site are to be a minimum of 24" box size and the remaining trees a minimum of 15-gallon size.
- L3.10 Lawn areas should be limited to 25% of the total landscaped areas and must be a drought tolerant fescue variety, with exceptions for schools, parks and public recreational areas. Percentage may be increased for biofiltration.
- L3.11 Significant trees existing on the property should be protected retained and integrated with the design where appropriate.
- L3.12 Deciduous trees along southern building exposures, coniferous and broadleaf evergreen trees along East and West building exposures and evergreens along the North exposures are recommended to conserve energy usage within structures.
- L3.13 All plant materials (including street trees and planting within the public right-of-way) should be watered with an automatic irrigation system. Provision shall be made for watering planting boxes and individual planters raised from the ground.

- L3.14 Water-conserving system design and materials and drip irrigation should be used wherever appropriate.
- L3.15 New irrigation systems shall include automatic rain shut-off controller devices.
- L3.16 Plants from the palettes in Appendix B should be selected. The Town of Moraga encourages planting of native species over non-native species and encourages applicants to refer to the Native Plant Society website at [www.cnps.org](http://www.cnps.org) to check that the plants that you select are not invasive species.

## **6 ENHANCE TOWN'S SCENIC CORRIDORS (SC)**

This section establishes design guidelines for development within 500 feet of a major scenic corridor, as measured from the edge of the public right-of-way. The major scenic corridors designated in the General Plan include: Bollinger Canyon Road, Camino Pablo, Canyon Road, Donald Drive (along the ridgeline of Mulholland Hill), Moraga Road, Moraga Way, Rheem Boulevard, and St. Mary's Road. The purpose of these guidelines is to preserve and enhance the semi-rural character of Moraga's scenic corridors and protect scenic vistas of distant hillsides as viewed from scenic corridors.

For guidelines that apply to development in hillside areas located outside of scenic corridors, see Section 4: Protect Ridgelines and Hillside Areas (RH).

### **SC1 APPLICABLE TO ALL SCENIC CORRIDOR DEVELOPMENT**

- SC1.1 Medians in scenic corridors should be planted and landscaped except where drivable medians are necessary. See Appendix B for recommended plants and Appendix C for conceptual examples for aesthetic enhancement.
- SC1.2 Wide and curved trails should be used along scenic corridors instead of sidewalks wherever possible. Both trails and sidewalks should be separated from roadways with plantings. See Appendix C.
- SC1.3 A greenbelt should be established between the scenic corridor major road and a parking area or building that is located adjacent to the road. The greenbelt must be landscaped and appear to be natural (i.e. a high percentage of the ground area could be a mounded redwood bark or stone covered area as long as plants provide a reasonable amount of massing to create a screening effect). All landscaped areas shall be appropriately irrigated to maintain healthy plants while preventing runoff from over watering.
- SC1.4 Trees should be planted on medians and along scenic corridors except where traffic views are blocked. Where tree planting next to scenic corridors is otherwise not possible, planters for trees should be located in street parking zones. See Appendixes B and C. Native grass areas are acceptable along the scenic corridor where formal landscaping is inappropriate.
- SC1.5 The greenbelt separating a single-family residence from a scenic corridor roadway should have a minimum depth of 20 feet. This depth can be lessened if mitigated by shrubbery, trees and/or other acceptable elements or landscaping.
- SC1.6 Landscaped mounds or berms are encouraged between the scenic corridor roadway and large parking areas and may be steeper than 3:1 if appropriately landscaped and irrigated.
- SC1.7 Commercial shopping centers shall have a twelve-foot or greater depth of greenbelt between the road and parking area or building, exclusive of the public sidewalk.
- SC1.8 Greenbelts should have a balance of high and low plants to give a natural look to the landscaped area. At no time will a landscaped area (other than grass) exceed 50 lineal feet along the scenic corridor road without a change in massing, character, and color.
- SC1.9 Religious or educational institutions, apartment complexes, professional buildings, commercial buildings, and residences along scenic corridors should have a minimum 15-foot greenbelt depth to the property line at adjacent streets (exclusive of sidewalk) with moderate landscaping.

- SC1.10 A property owner may be required to upgrade existing conditions when major work is accomplished on a parcel that is within 500 feet of the center line of a major scenic corridor.
- SC1.11 In order to enhance the landscaping along designated scenic corridors, new development within 500 feet of these corridors should include trees and shrubs from one of the palettes in Appendix B. The Town of Moraga encourages planting of native species over non-native species and encourages applicants to refer to the Native Plant Society website at [www.nps.org](http://www.nps.org) to check that the plants that you select are not invasive species.
- SC1.12 Roadside landscaping should be selected from one of the palettes in Appendix B and only lightly trimmed except where street signs and other directional signs are blocked from view.
- SC1.13 Existing overhead lines on both private and public property along scenic corridors should be converted to underground when substantial redevelopment is proposed.
- SC1.14 Signage, bus shelters, monuments and other site elements should be of semi-rural character and be rustic looking, preferably stone. See Appendix C.
- SC1.15 Storm water runoff swales should be used along roadsides and medians of scenic corridors instead of curbing to slow storm water runoff and enhance the semi-rural look. See Appendix C.
- SC1.16 Design shall be consistent with the Moraga Municipal Code Section 8.132.
- SC1.17 Viewsheds, including but not limited to close up and distant views, ridgelines, hillsides and mature native tree groupings should be protected along the Town's scenic corridors to retain the Town's semi-rural character.

## SC2 SCENIC VISTAS

The guidelines in this section apply to development within the 500-foot buffer of a scenic corridor with the potential to obstruct public views of Moraga's scenic vistas. "Scenic vistas" means designated ridgelines as shown in General Plan Figure CD-1 (Designated Ridgelines) and hillsides visible below these ridgelines. Compliance with these guidelines shall be evaluated by considering potential view impacts from the centerline of the applicable scenic corridor public right-of-way.

Scenic vista guidelines should be applied in a manner that balances scenic vista protection with other Town goals and policies. For example, the Moraga Center Specific Plans (MCSP) calls for infill development along scenic corridors to increase housing choices and increase economic vitality. These scenic vista guidelines should not be interpreted to prohibit new development within the MCSP boundaries that is otherwise consistent with the MSCP and implementing regulations. Instead, scenic vista guidelines should be applied to a project together with other Town policies and regulations in a balanced manner that addresses all Town goals and policies to the maximum extent possible.

- SC2.1 **General Intent.** Development in scenic corridors should be located and designed to preserve and enhance public views of scenic vistas, both near and distant.
- SC2.2 **Front Setbacks.** Where appropriate for the location and surrounding context of a development site, front building setbacks should be increased to minimize obstruction of scenic vistas.
- SC2.3 **Upper Story Stepbacks.** Upper stories fronting a scenic corridor should be stepped back behind the ground floor if a stepped back design minimizes obstruction of scenic vistas.
- SC2.4 **Height and Mass Variation.** Development should minimize view obstructions through variation in building heights and volumes so that views of scenic vistas remain visible above lower sections of building.
- SC2.5 **Building Separation.** Where appropriate, buildings should be set back from one another to maintain views of scenic vistas through the site.
- SC2.6 **Accessory structures.** Fences, walls, freestanding signs, and other accessory structures should complement the design character of the site and minimize impacts on scenic vistas.
- SC2.7 **Landscaping.** Landscaping that at maturity will obscure views of scenic vistas is discouraged. Low shrubs and groundcover should be used to ensure permanent preservation of views. Trees and other taller plants should be carefully placed to minimize view impacts and where appropriate frame public views to scenic vistas.
- SC2.8 **Public Gathering Places.** Publicly accessible gathering places, such as outdoor seating areas and courtyards, should be located and designed to maximize unobstructed views of scenic resources for visitors.

## 7 MINIMIZE THE IMPACTS OF DEVELOPMENTS (ID)

To the extent possible, development should be concentrated in areas that are least sensitive in terms of environmental and visual resources, including: a) areas of flat or gently sloping topography outside of flood plain or natural drainage areas; b) the Moraga Center and Rheem park area; c) Infill parcels in areas of existing developments.

### ID1-7 APPLICABLE TO ALL DEVELOPMENT

- ID1 Downhill or uphill portions of any project shall provide landscaped treatment to address potential erosion, to be in harmony with adjacent developments, and to provide a complimenting view from distant horizons. Dense native landscaping should be used to blend hillside structures with the natural setting.
- ID2 Roofing materials shall be benign and non-corrosive, such as slate, steel, stone, terra cotta tiles, fiberglass composition shingles, etc. Copper materials shall not be used for any component of the roofing system (roofing material, gutters, downspouts, splash pads, screens, etc.). Solar systems on roofs are encouraged and not subject to Design Review.
- ID3 Wind barriers, shade, sound absorption, dust abatement, glare reduction, and proper drainage should be provided on site.
- ID4 Buildings should be placed on the site so as to permit passive solar design, ample room for usable yard areas, adequate landscaping, and proper drainage between and around buildings.
- ID5 Geologic hazards shall be addressed:
- a. Construction should not take place in geologic hazard areas identified as landslides, springs, or earthquake fault zones.
  - b. Risk of off-site geologic property damage should be minimized by locating development away from areas which are vulnerable to slope failure.
  - c. Professional evaluation of soil conditions and potential geologic hazards should be completed for all new homes.
- ID6 The level of lighting should not exceed the needs for security and safety or detract from the aesthetics of the development.
- a. Outdoor lighting should be related to the design of the structure.
  - b. Outdoor light fixtures should be designed and mounted so that the source of light has minimal impact off site.
  - c. Outdoor lighting should be directed inward toward the property and may require additional screening to avoid spillage onto adjacent residential properties.
- ID7 Design shall be consistent with the Moraga Municipal Code section 13.04.090.

## **ID8 SWIMMING POOLS**

- ID8.1 The draining of all swimming pools shall be directed to the sanitary sewer system whenever feasible and be conducted in compliance with the permitting and standards established by Central Contra Costa Sanitary District. Overflow drains from swimming pools shall be directed to a landscape area or manufactured treatment system prior to connecting to the storm drain system. Best Management Practices (BMPs) shall be used to manage overflows.
- ID8.2 Design shall be consistent with the Moraga Municipal Code section 13.04.060d.

## **ID9 PAVING**

- ID9.1 Impervious surfaces shall be minimized through site design and building methods. Directly connected impervious surfaces shall be minimized to avoid excessive concentrated stormwater runoff. Any runoff from impervious surfaces shall be directed to pervious areas or landscaped depressions.
- ID9.2 Impervious paving may be reduced by using permeable materials for pedestrian walkways, parking facilities, and areas with light traffic. Examples include:
- a. Unit pavers-on-sand: turf block, brick, natural stone, or concrete unit pavers
  - b. Poured pervious surfaces: pervious concrete or pervious asphalt
  - c. Granular materials: crushed shells, gravel, aggregate base, cobbles, or wood mulch

## **ID10 GRADING**

- ID10.1 Grading for any purpose may be permitted only in accordance with an approved development plan that is found to be geologically safe and aesthetically pleasing.
- ID10.2 Where the pre-development slope is less than 20% a grading permit may be required. See the Moraga Municipal Code 14.08.010 for details.
- ID10.3 When the pre-development slope is greater than or equal to 20%, development shall be avoided, but may be permitted if supported by site-specific analysis. When grading land with a slope of 20% or more, soil displacement and retaining wall use shall be minimized by using contour grading techniques. In MOSO areas, development shall be prohibited on slopes with an average gradient of 20% or greater. Design shall be consistent with Moraga Municipal Code Title 14.
- ID10.4 Land with a pre-development average slope of 25% or greater within the development area shall not be graded except as authorized by the Town Council and only where it can be shown that a minimum amount of grading is proposed in the spirit of, and not incompatible with, the intention and purpose of the Moraga General Plan. No new residential structures may be placed on after-graded average slopes of 25% or steeper within the development area except that this provision shall not apply to new residential structures on existing lots that were either legally created after March 1, 1951 or specifically approved by the Town Council after April 15, 2002.

ID10.5 Cut slopes should be placed behind buildings or other structures where they will be screened.

ID10.6 Preserve the natural topography of the land, especially at the horizon:

- Round off graded slopes, in a manner that conforms to the natural contours of the land and to the surrounding terrain. Sharp angles produced by earth moving, specifically at the top and toe of graded slopes shall be avoided.
- Slopes shall be contour graded to achieve a natural appearance.
- Slopes shall be blended with the contours of contiguous properties and create a smooth transition.
- Grading shall minimize scars due to cuts, fills, and drainage benches on natural slopes.

Neither cuts nor fills shall result in slopes steeper than 3:1 (horizontal to vertical), except where natural slopes are steeper. Where steeper slopes are unavoidable, special mitigation measures shall be incorporated into the design construction and maintenance of the slopes.

## **ID11 RETAINING WALLS**

ID11.1 Retaining walls (excluding foundation retaining walls) and other man-made grading features may only be used to mitigate geologic hazards when:

- a. required to decrease the possibility of personal injury or property damage
- b. designed to blend with the natural terrain and avoid an artificial or structural appearance
- c. appropriately screened by landscaping
- d. designed to avoid creating a tunnel effect along roadways and to ensure unrestricted views for vehicular and pedestrian safety
- e. designed to ensure minimal public and/or private maintenance costs

ID11.2 Exterior retaining walls shall be limited to five feet in height, unless it is visible from off site, in which case it shall be no higher than three feet. The total height of a retaining wall and fencing on top of the wall shall not exceed eight feet without Design Review Board approval. A guardrail or handrail (provided a solid fence does not support it) may be located on top of the retaining wall.

ID11.3 A retaining wall exceeding 3 feet requires professional engineering, a building permit, and may require a grading permit. Design Review Board approval is required if the retaining wall is visible from off-site.

ID11.4 The horizontal depth of the terraces between stacked retaining walls should be a minimum of twice the height of the larger adjacent wall.

ID11.5 Retaining walls should be built a minimum of three feet from a property line.

## ID12 STORMWATER GUIDELINES

- ID12.1 All residential buildings, in aggregate, may cover no more than 33% of the lot area. Exceptions may be considered for cluster and multi-family residential projects. For project designs that cluster the new structures on only a small portion of a large site, the percentage may be calculated using the entire site, rather than the lot size.
- ID12.2 Regulations set forth by the San Francisco Bay Regional Water Quality Control Board (RWQCB)<sup>3</sup> shall apply to all new or redeveloped residential and commercial projects:
- If the project creates or replaces more than 10,000 square feet of impervious surface;
  - Relative to the 10,000 square foot threshold, if 50% or more of the existing impervious surface is replaced then 100% of the site must comply with Provision C.3 of the Town's Stormwater Permit; or
  - Relative to the 10,000 square foot threshold, if less than 50% of the existing impervious surface is replaced, then Provision C.3 of the Town's Stormwater Permit only applies to said portion.

Exemptions include: Single-family homes that are not part of a larger development and routine maintenance work such as replacement or resurfacing of roofs and pavements. All new projects must retain pre-project hydrology. All applicable developments must comply with Provision C.3 of the Town's Stormwater Permit. These requirements are separate from—and in addition to—any requirements for erosion and sediment control and for pollution prevention measures during construction (see also the Moraga Municipal Code section 13.04 and Town Council Resolution 9-96).

- ID12.3 For developments whose site constraints prohibit the use of landscape infiltration, manufactured treatment systems can be inserted into the conventional storm drain system. A detailed Operation and Maintenance Plan must be submitted with the design application (see [www.cccleanwater.org/construction](http://www.cccleanwater.org/construction) for the *C.3 Stormwater Guidebook*). Options include:
- Catch basin or inlet inserts
  - Separators (oil-grit or oil-water)
  - Media filters (sand, gravel, peat, compost, activated carbon, fabric, or resin)
  - Various filtration treatment devices
- ID12.4 Drainage should follow natural flow patterns and, where appropriate, plans should develop wide area flow patterns, rather than concentrating flow at one point.
- ID12.5 In new development only BMP-treated stormwater shall be discharged into the Town's storm drain system.
- ID12.6 A sufficient number of drains should be provided for retaining wall backdrains and in the crawl space under the foundation to provide an outlet for water that may accumulate behind retaining walls and beneath the house and to drain any areas that may be divided by internal grade beams. Such drainage facilities shall be directed to a landscape area or manufactured

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<sup>3</sup> Please see the RWQCB Order No. 99-058 and Order No. R2-2003-0022.

treatment system prior to connecting to the storm drain system. Design shall be consistent with the Moraga Municipal Code section 13.04.060d.

### **ID13 NEW DEVELOPMENTS AND SUBDIVISIONS**

- ID13.1 Subdivision layout should retain natural topographic features and maintain the Town's semi-rural character.
- ID13.2 The color schemes of homes on adjacent lots within 200 feet of one another should be compatible with and not duplicate one another.
- ID13.3 New road construction should adapt to topography and natural features.
- ID13.4 The impact of increased impervious surface of new roads should be mitigated by paving only the minimum width (20 feet), as required by the local Fire Department for roads that will not accommodate on-street parking. For streets with parking available on both sides the width shall be 36 feet.
- ID13.5 Stormwater should be treated before it enters the storm drain system.
- ID13.6 When appropriate, shared driveways should be used for neighboring clusters of houses and pervious parking areas shall be used.
- ID13.7 Sidewalks, crosswalks, and landscaped multi-use trails shall be incorporated into new developments to encourage alternatives to automobile use. Connections shall be made to adjacent neighborhoods and, where feasible, commercial areas.
- ID13.8 Utility lines for new subdivisions shall be installed underground to maintain natural vistas.
- ID13.9 Whenever possible, roads and driveways should be constructed parallel to existing topographic contours, and, if necessary, split in order to reduce the area of cut on hillsides or to preserve trees or other significant features.
- ID13.10 Street lighting in hillside and ridgeline areas should be unobtrusive and designed to reflect the natural surroundings.
- ID13.11 Hillside lots should be larger than lots on naturally level terrain.
- ID13.12 The same or similar elevations should not be placed within 300 feet of each other along the street without altering the direction of the roof.
- ID13.13 Residences in new subdivisions should meet Build It Green or equivalent requirements for new residences. The Build it Green requirements are attached herein as Appendix A

## **8 THOUGHTFULLY DESIGN SINGLE-FAMILY RESIDENTIAL NEIGHBORHOODS (SFR)**

Residential development shall preserve the Town's existing scale, character, and quality, and provide an inviting pedestrian environment that promotes walking and biking between neighborhoods.

### **SFR1 SINGLE-FAMILY RESIDENTIAL SITE PLANNING**

The following guidelines pertain to all single-family residential projects (new homes or additions):

- SFR1.1 Not more than two (2) two-story units should be placed side-by-side unless topographic and/or architectural considerations justify exceptions or unless the two-story portion of the house is not visible from off site. (Architectural considerations may include partial second stories and setback of second stories.)
- SFR1.2 Front setbacks should be varied, with no more than two adjacent units having the same setback. Setback variation shall be a minimum of three feet.
- SFR1.3 Accessory structures should complement the main structure unless the accessory structure cannot be seen from neighboring properties. Landscaping may be required to screen the accessory structures from view from off site.
- SFR1.4 On padded lots total building heights greater than 28 feet for two-story homes and 19 feet for single-story homes shall require special siting or design treatment to mitigate height.
- SFR1.5 The architectural design motif should continue on all sides of a building. This motif should be compatible with but distinct from adjacent homes.
- SFR1.6 Development of residential lots should take advantage of natural features and unique topography of the site through split level pads or natural contour grading.
- SFR1.7 Pervious surfacing is encouraged for all driveways. Driveways longer than 50' or wider than 16' should be constructed of pervious materials. See Guideline ID9.2. Multiple-car garages are encouraged to use flared driveways to minimize impervious surface coverage.
- SFR1.8 Where topography allows, driveways should slope toward a depressed lawn or other vegetated landscape feature to allow for biofiltration.
- SFR1.9 Circular or hammerhead driveways may be considered for homes that front on busy streets.
- SFR1.10 On padded lots there should be a minimum of 10' near level clearance area from any top or toe of a slope to any structure for access.<sup>41</sup> On padded lots there should be a minimum of 6' near level clearance area on any 3 sides of any building or structure.
- SFR1.11 There should be a near level area of at least 25' x 40', other than the front yard, for usable yard area.

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<sup>1</sup> Clearance is measured from the exterior of the structure or any protruding portion (i.e., chimney, bay window, etc.) to the nearest point on the property line or change in slope, whichever is closer.

SFR1.12 On non-padded lots the house shall be designed to reflect the natural contours of the site, keeping grading to a minimum.

SFR1.13 On padded lots walkways should be set back a minimum of one foot from the top of slope.

## **SFR2 SINGLE-FAMILY RESIDENTIAL BUILDING DESIGN**

SFR2.1 A harmonious relationship with the surrounding neighborhood should be created through the use of compatible design schemes and scale. See Appendix D for the single family residential floor area ratio (FAR) guidelines.

SFR2.2 The color schemes of homes on adjacent lots should be compatible and not duplicate one another.

SFR2.3 Exterior building design on all elevations should be coordinated with regard to color, texture, materials, finishes and architectural form and detailing to achieve design harmony and continuity.

SFR2.4 The number of different materials on the exterior face of the building should be limited. Generally, a variety of masonry materials should be avoided. All chimneys on the same home should be similar in architectural style and materials.

SFR2.5 Roof shape, color, and texture should harmonize with the color and architectural treatment of exterior walls.

SFR2.6 The side yard setback shall be no less than the minimum permitted by the Zoning Ordinance and shall be increased by one additional foot for each foot of end wall height greater than 20 feet. End wall height is the maximum vertical height from finished grade to outer roof surface at the side yard. Chimneys, dormers, and other architectural elements are excepted from this limitation. The skirt wall is counted as part of the height measurement.

In any individual case, the Planning Commission or the Design Review Board may require a larger side yard, provided they can make appropriate findings relating to the following types of conditions:

- a. Major ridgeline (as defined by the General Plan);
- b. Scenic corridor;
- c. General Plan land use or zoning designation;
- d. Proposed use of structure, in relation to surrounding uses;
- e. Visibility of structure(s) from off site, due to placement (or absence) of permanent screening;
- f. Elevation of the lot, compared with the elevation(s) of abutting street(s) and/or other properties;
- g. In fill lot or a lot adjacent to an established subdivision;
- h. Slope or grade of lot, in relation to abutting streets.

SFR2.7 Although the maximum height for any structure is set by the Zoning Ordinance at thirty-five feet, a lower height may be required, based on the special circumstances of an individual lot.

- SFR2.8 Conscious efforts should be made to recognize building security as a design element in new construction.
- SFR2.9 Any blank wall that is without windows and is more than 15 feet long or 180 square feet in area, whichever is less, should have special design treatment.
- SFR2.10 The overall height of the deck skirt<sup>1</sup> should not exceed six feet, except for cantilevered decks from the second story. The maximum height for exposed posts supporting a ground level deck should be four feet where visible from off site.
- SFR2.11 The following requirements specifically address skirt height treatment, when any portion of the skirt is visible off-site:
- a. Skirt heights of four feet or less need no special treatments;
  - b. Skirt heights between four and six feet shall receive special treatment, such as water table trim, other patterns or different surface treatment which could include other building materials, all consistent with the overall architectural concept;
  - c. The visible portion of a concrete footing or grade beam shall not exceed twelve inches above the lowest adjacent ground surface;
  - d. No skirt height that is greater than six feet shall be visible off-site.
- SFR2.12 Decks that require special consideration due to the topography and hillside design of the home, which includes decks from the first and second floor of the residences. Such decks should comply with the following standards:
- a. Decks that exceed 6 feet in height shall be substantially screened by landscaping. The Design Review Board may require the property owner to enter into a landscape installation and maintenance agreement with the Town.
  - b. Landscaping shall mitigate the visual impact of a deck as viewed from adjacent neighbors.
  - c. Support posts should be setback from the face of the deck to minimize the height of posts and provide visual relief.
  - d. Diagonal or cross bracing of support posts shall not be permitted.
  - e. Decks shall be consistent with the scale and design of the home.
- SFR2.13 The design of the mailbox should complement the style and materials of the principal building on the site.
- SFR2.14 Roof leader drains shall be routed through a biofilter, sand filter, or plant box.

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<sup>1</sup> "Skirt height" is defined as the distance between the finished floor and the ground.

## **9 THOUGHTFULLY DESIGN MULTI-FAMILY RESIDENTIAL DEVELOPMENTS (MFR)**

Multi-family developments should be centrally located, well designed, and appropriate to Moraga's semi-rural character.

### **MFR1 MULTI-FAMILY RESIDENTIAL SITE PLANNING**

- MFR1.1 A harmonious design relationship should be achieved between existing and proposed adjoining developments by avoiding both excessive variety and monotonous repetition.
- MFR1.2 Storage yards, parking areas, service areas, and other ground-level paved areas should be screened from off-site views by perimeter and tree canopy planting.
- MFR1.3 Permanent trash enclosures should be located and designed to be in architectural harmony with the principal structures on the site. Exterior trash and storage areas, service yards, loading docks, and ramps should be screened from the view of all nearby streets and adjacent structures. Infiltration shall be avoided for all outdoor work or storage areas, such as loading docks, fueling areas, car or equipment washes, and garbage receptacles. All runoff from these areas shall be concentrated and routed to the sanitary sewer. Outdoor work areas shall have a perimeter berm to prevent stormwater inflows. Outdoor garbage receptacles (trash cans and dumpsters) shall be housed under a roof or other covered structure.
- MFR1.4 Air conditioning units and associated electrical and plumbing service connections should be screened by parapets, walls, fences, or other approved screening.
- MFR1.5 Utility transformers that are outside the public right-of-way should be placed underground and adequate access should be provided for proper maintenance. Any exception, proposing an above ground installation, must include adequate screening so as not to be viewable from the scenic corridor or other prominent public view and must be approved by the Planning Commission.
- MFR1.6 Multi-family housing developments shall provide adequate parking for residents and visitors. Parking lots shall be designed to make efficient use of space. Parking lot locations at the side or rear are encouraged.
- MFR1.7 New multi-family developments shall be situated near commercial centers, transit stops, parks, and schools. Public entry points shall be located close to the sidewalk to create a more pedestrian-oriented development.
- MFR1.8 Private and shared outdoor open space shall be provided for residents in new multi-family residential developments. This outdoor space should accommodate play areas for children and pets, picnic and barbeque facilities, and a visually appealing environment.

### **MFR2 MULTI-FAMILY RESIDENTIAL BUILDING DESIGN**

- MFR2.1 Mechanical and electrical equipment, including rooftop units, should be designed as an integral part of the building or site design and be properly screened.

- MFR2.2 Exterior wall venting should complement the building design.
- MFR2.3 Roof penetrations should be visually minimized.
- MFR2.4 Roof leader drains shall be routed through a biofilter, sand filter, or plant box.
- MFR2.5 Accessory equipment capable of generating noise and vibrations should be properly insulated and the noise and vibrations should not be apparent from adjacent properties or the public right of way.
- MFR2.6 Large building masses should be avoided.
- MFR2.7 Architectural style should reflect and enhance the character of surrounding neighborhoods.

## **10 PROMOTE COMMERCIAL CENTERS AS COMMUNITY PLACES (CC)**

High quality commercial districts should serve as important community focal points, gathering places, and activity centers.

### **CC1 COMMERCIAL SITE PLANNING**

- CC1.1 A harmonious design relationship should be achieved between existing and proposed adjoining developments by avoiding both excessive variety and monotonous repetition.
- CC1.2 Storage yards, parking areas, service areas, and other ground-level paved areas should be screened from off-site views by perimeter and tree canopy planting.
- CC1.3 Permanent trash enclosures should be located and designed to be in architectural harmony with the principal structures on the site. Exterior trash and storage areas, service yards, loading docks, and ramps should be screened from the view of all nearby streets and adjacent structures. Infiltration shall be avoided for all outdoor work or storage areas, such as loading docks, fueling areas, and garbage receptacles. All runoff from these areas shall be directed to the storm drain system and the operations from these areas shall be conducted to prevent stormwater from becoming contaminated. If stormwater contamination cannot be prevented from the operations in these areas, they shall be connected to the sanitary sewer and effective engineering controls shall be used to ensure that no stormwater is discharged to the sanitary sewer system (e.g. roof over the process area, engineered diversion valve between the sanitary sewer system and storm drain system). The connection to the sanitary sewer system from these areas shall have the necessary pretreatment equipment to meet Central Contra Costa Sanitary District's standards (e.g. grease or oil/sand interceptor). Outdoor work areas shall have a perimeter berm to prevent stormwater inflows. Outdoor garbage receptacles (trash cans and dumpsters) shall be housed under a roof or other covered structure.
- CC1.4 Air conditioning units and associated electrical and plumbing service connections should be screened by parapets, walls, fences, or other approved screening.
- CC1.5 Utility transformers that are outside the public right-of-way shall be placed underground and adequate access shall be provided for proper maintenance. Any exception, proposing an above ground installation, must include adequate screening so as not to be viewable from the scenic corridor or other prominent public view and must be approved by the Planning Commission.
- CC1.6 Benches and other seating should be provided for the public at commercial centers. Attractive landscaping should be maintained around these seating areas to create an inviting social environment within the shopping district.
- CC1.7 Commercial centers should maintain a high level of pedestrian-oriented amenities, including:
- a. Sidewalks along storefronts and around the perimeter of the commercial center and between retail and office uses, ensuring a safe path for pedestrians around the center and to/from transit stops;
  - b. Safe walkways through parking lots that use different paving materials to differentiate between parking and pedestrian areas;

- c. Clearly-marked crosswalks at appropriate locations in parking lots to allow pedestrian traffic to safely move through vehicle paths;
- d. Permanent bicycle racks, benches, recycling and trash receptacles; and
- e. Landscaping with flowering species and shade trees for summer months.

## **CC2 COMMERCIAL BUILDING DESIGN**

- CC2.1 Mechanical and electrical equipment, including rooftop units, should be designed as an integral part of the building or site design and be properly screened.
- CC2.2 Exterior wall venting should be avoided.
- CC2.3 Roof penetrations should be minimized by grouping plumbing vents and ducts together and providing adequate screening from off site.
- CC2.4 Roof leader drains shall be routed through a biofilter, sand filter, or plant box.
- CC2.5 Accessory equipment capable of generating noise and vibrations should be properly insulated and the noise and vibrations shall not be apparent from adjacent properties or the public right of way.
- CC2.6 Large building masses should be avoided. Building setbacks may be varied to accommodate pedestrian-oriented facilities such as benches, café tables, and bike racks. Parking lot locations at the side or rear are encouraged. Entrances should be located close to the sidewalk to create a more pedestrian-oriented development.
- CC2.7 Architectural style should reflect and enhance the character of surrounding neighborhoods.

## **CC3 SIGNS**

- CC3.1 All signs should be related to their surroundings in terms of size, shape, color, texture, and lighting so that they are complimentary to the overall design and not in competition with other signs in the area.
- CC3.2 Signs should be subtle and unobtrusive, conveying their message in a clear and legible fashion, and should be vandal- and weather-resistant.
- CC3.3 External spot or flood sign lighting shall be arranged so that the light source is screened from view, and so that the light is directed against the sign and does not shine onto adjacent property nor into the eyes of motorists or pedestrians.
- CC3.4 Lighted signs, whether internally or externally illuminated, should be avoided, except where found to be necessary for location or identification, or as otherwise deemed appropriate by these guidelines.
- CC3.5 Decorative product type signs, such as beer signs and informative type signs used for purposes of interior design only, are termed non-accessory signs. Such signs shall be erected only within the business establishment and shall be located no closer to an exterior window or open doorway than 6 feet.
- CC3.6 All lighted accessory signs (primarily business identification signs) whether or not neon, shall be submitted to the Design Review Board for approval and shall be in conformity with any approved sign and design policy for the center, building complex or area.
- CC3.7 Exposed neon tubing, whether for signing or decoration, is not normally considered in good taste for exterior display and is discouraged.
- CC3.8 Freestanding signs shall be integrated with the site plan and low level floodlights shall be screened.
- CC3.9 Struts, braces, kickbacks or guy wires to support signing should be avoided unless they are a feature of the design.
- CC3.10 Whenever site and visibility conditions allow, freestanding signs should be of a low profile.
- CC3.11 Tenant signs within the Rheem Shopping Center shall follow a uniform signing program, in accordance with these standards:
- a. A "major tenant" is defined as an occupant of 10,000 square feet or more. All "major tenant" signs shall be approved by the Design Review Board and shall have the following characteristics:
    - i. The sign shall be constructed with a redwood frame (trim) and with redwood faces front and back. It may be internally illuminated using the tenant's standard corporate/company logo. The wood trim and rear face shall be stained to match the standard shopping center stain (Olympic stain no. 913). The redwood face containing the sign copy shall be stained to match Olympic stain no. 707.
    - ii. No sign shall exceed two hundred square feet in total area.

- iii. Signs shall normally be affixed below the roof ridgeline and may be attached to the fascia of the building. Specific details of attachment shall be as approved by the Design Review Board.
  - iv. No sign face shall exceed 4 feet, 6 inches in height.
  - v. Signs shall not be illuminated when the tenants are not open for business.
- b. Signing for other than major tenants:
- i. Basic criteria: The tenant identification on the sign board provided below the leading edge of the canopy and visible to the front of the building will utilize individual, raised, non-illuminated gold-leafed letters (8", Century Schoolbook, medium type) on the first line of copy and white letters (4" Helvetica type) on the second copy, if any.
  - ii. Basic size: Thickness----4 inches; Height----14 inches; Width----36 inches. Although other shapes may differ from basic dimensions, total area may not exceed five square feet per side.
  - iii. Construction standards:
    - 1) Constructed of laminated, vertical, 2"x4" clear, kiln-dried redwood
    - 2) Reinforced with two 3/8" threaded steel rods
    - 3) 3" outside borders sandblasted
    - 4) Copy, border bank, logo art, etc. raised with background hand carved out one full inch
    - 5) Sandblasted borders sealed with clear sealer
    - 6) Background area sealed with two coats of semi-gloss Varathane
    - 7) Border band flat white
  - iv. "Halo-type" lighted gold-leaf signs may be "back-lighted" in accordance with official exhibit approved by the Planning Commission on 4/19/82 and attached to Resolution 49-81. All halo-type signs shall have a front setback of not less than 50 feet and shall be subject to design review by the Design Review Board to assure design compatibility with the use that the sign is identifying as well as neighboring uses.
- c. Accessory and other miscellaneous signs required shall be approved by the Board, consistent with the overall general sign design theme for the center.
- d. Non-conforming signs shall be changed so as to conform as new leases are negotiated and/or tenants replaced.

# 11. MORAGA CENTER SPECIFIC PLAN DESIGN GUIDELINES

## 1.0 INTRODUCTION

### 1.1 Purpose, Intent, and Organization

This section is presented to guide the aesthetic nature of development within the **Moraga Center Specific Plan (MCSP)**, adding design guidance to the development standards presented in the Land Use Element of this Specific Plan, which guide bulk, height, and mass.

The **MCSP Design** Guidelines establish a range of encouraged design approaches while allowing for flexibility and innovation. As projects within the MCSP are developed, these **Design MCSP** Guidelines will assist the Town of Moraga in evaluating their conformance with the objectives and design vision of the Specific Plan. These guidelines are designed to provide the Town of Moraga with the necessary assurance that the Specific Plan area will develop in accordance with the high quality and lasting character proposed herein; to guide developers in determining what is appropriate in character and quality for the Town of Moraga; and to assist the Town in evaluating proposals for development.

Images provided within this document depict examples of preferred architectural character selected by citizens of Moraga during a community meeting led by Town consultants. They are used to generally describe preferred arrangements of bulk and mass, use of materials, landscape techniques, and overall design ideas.

After identifying areas of particular importance in relationship to the Design Philosophy presented in **Chapter 1 of these** ~~the Town of Moraga Design Guidelines~~, these **MCSP Design** Guidelines will present Design Principles for each of the main MCSP land use categories: Residential, Community Commercial, Mixed Commercial/Residential/Office, and Suburban Office. Guidelines for architectural site features such as street lighting, benches, signage, walls, and fences will follow, and this document will conclude with guidelines for landscaping with the MCSP.

### 1.2 Consistency with Town of Moraga Design Philosophy

**Chapter 1 of these** ~~The Town of Moraga Design Guidelines~~ presents eight guiding principles as a Design Philosophy for the Town. These are listed as follows:

- Maintain the Town's Semi-Rural Character (SRC)
- Protect Ridgelines and Hillside Areas (RH)
- Complement Existing Landscaping (L)
- Enhance the Town's Scenic Corridors (SC)
- Minimize the Impacts of Development (ID)
- Thoughtfully Design Single Family Residential Neighborhoods (SFR)
- Thoughtfully Design Multi-Family Residential Developments (MFR)
- Promote Commercial Centers as Community Places (CC)

In addition to considering the guidance presented in the **Design Philosophy** ~~Town-wide document~~, the MCSP presents several unique opportunities to reinforce these eight principles. Any development proposals that will impact these areas should be given careful consideration to ensure that the most is made of these unique opportunities.

### **1.2.1 Maintain the Town's Semi-Rural Character (SRC)**

The Village concept at the heart of the MCSP implies a mix of different types of activity and areas of higher density that help to support these activities and provide an active and vibrant Village atmosphere. The Village concept does *not* imply a loss of Semi-Rural Character. These two need not be mutually exclusive. However, certain steps can be taken to reinforce the Semi-Rural character as tantamount to the vision set forth in the MCSP.

Where allowed, vertical mixed-use can provide affordable housing, create a lively and active street environment, put people right in the heart of the Village, and use land much more efficiently than spreading out uses horizontally on a site by instead stacking one on top of another. However, many notions of vertical mixed-use conjure images of crowded city streets and neighborhoods with an industrial character. The following guidelines should be applied throughout the MCSP area to ensure that the Village remains appropriately semi-rural in character.

- A. Care should be taken to “soften” the effect of upper floors. Examples include using pitched roofs with dormer windows for top floors, increased setbacks applied to upper floors to create a “step-back” effect, upper-floor open spaces such as balconies or porches, and landscape treatments such as rooftop vegetation and adequate use of street trees.
- B. Streetscape and public space design should include the use of “semi-rural details,” with examples such as rolled curbs, curbless streets with bioswales, split rail fences, and the use of soft materials such as crushed gravel and irregular paving, where appropriate.
- C. The Moraga Ranch and the Laguna Creek Riparian Corridor run through the middle of the MCSP area. They should both be preserved and enhanced to provide semi-rural core landmark character defining elements visible from points throughout the plan area.

### **1.2.2 Protect Ridgelines and Hillside Areas (RH)**

Care should be taken to maintain low visual profiles for lower density buildings on hill sites, reserving the flattest areas within the MCSP for higher densities. Cluster zoning techniques will allow a certain average density across a large plan area. Within this area, individual projects can be allowed to build densities higher than the allowable average in exchange for areas that remain free from development. When applied, the remaining undeveloped open space areas should be designed to remain publicly accessible and be clearly marked to provide recreational opportunities in the form of trails, greenways, and pocket parks to serve the entire community.

### **1.2.3 Complement Existing Landscaping (L)**

The existing landscape in the MCSP is dominated by the Laguna Creek Riparian Zone and orchard trees planted throughout, both of which help to frame the semi-rural context of the MCSP zone. To complement the existing landscape within the MCSP, drainageways should be designed as open channel bioswales that reflect natural topographic profiles, creating an opportunity for native species plantings to run throughout the community and connect to the Laguna Creek corridor, as well as employing visible green strategies for treating storm water. To reflect the historical context of orchard use, the use of both organic fruiting and non-fruiting orchard species planted in linear arrangements is encouraged for buffer areas and within public parks.

#### **1.2.4 Enhance the Town's Scenic Corridors (SC)**

Moraga Road and Moraga Way, two of the town's major scenic corridors, play pivotal roles in the circulation concept through the MCSP. In addition to guidelines presented in [this document](#) ~~the Town Design Guidelines~~ for scenic corridor enhancements, the Town's 2006 Transportation Corridor Streetscape Plan presents specific design approaches. However, the Village character and development intensity being proposed in parts of the MCSP will result in buildings oriented toward the street, not just located adjacent to it. In these areas, planting and paving treatments that respect setback requirements but create a pedestrian streetscape rather than greenbelt, may be appropriate.

In all contexts, the importance of Scenic Corridors should be enhanced as important organizing elements within the MCSP area. Special landscaping, signs, lighting, and other streetscape design techniques should be used along streets to announce gateways into the Town and into the MCSP area.

#### **1.2.5 Minimize the Impacts of Development (ID)**

The most significant impacts in the MCSP are those generated by non-residential uses that affect residential areas. Items such as traffic and parking, noise, debris, light and glare, and visual impact should be given special consideration due to the close proximity of residential and non-residential uses within the MCSP, with special consideration being given to residential mixed use development.

In all areas of the MCSP, the use of green building techniques and sustainable development is encouraged, building on the success of sustainable reconstruction of the historic Moraga Barn. Strategies to employ sustainable site design, water efficiency, energy reduction, and the use of sustainable materials and resources should be used when possible. For further guidance on specific design measures to mitigate impacts of development, please see the following section dealing with General Plan EIR mitigation measures.

#### **1.2.6 Thoughtfully Design Single Family Residential Neighborhoods (SFR)**

Single family residential neighborhoods in the MCSP will be some of the closest such dwellings to an area of commercial activity in Moraga, providing a unique opportunity for these Moraga residents to walk rather than drive for many of their daily trips. These neighborhoods should be designed with high-quality pedestrian environments with sidewalks and pathways to adjacent neighborhoods and the Moraga Center to encourage walking as a primary mode of transportation.

#### **1.2.7 Thoughtfully Design Multi-Family Residential Developments (MFR)**

Multi-family residential developments in the MCSP will result in a high concentration of residents in close proximity to the Moraga Center. This provides Moraga Center businesses with an opportunity to attract new customers and increase sales. These developments should be designed with high-quality pedestrian environments with sidewalks and pathways to adjacent neighborhoods and the Moraga Center to encourage walking as a primary mode of transportation for local shopping trips.

### **1.2.8 Promote Commercial Centers as Community Places (CC)**

A community place should be inviting and comfortable, providing Moraga residents with a place to linger, stroll, and interact. Special attention should be given to creating a high-quality pedestrian environment through the use of pedestrian amenities such as seating, lighting, and signage; plaza areas; and outdoor café spaces. Through traffic and parking lot access should be directed away from main pedestrian areas, while diagonal on-street parking should be used in pedestrian areas to create an adequate buffer between the sidewalk and the roadway. To further enhance the sense of community in the Moraga Center, designs are encouraged to include a maximum amount of mixing of uses, to include retail, office and residential uses. In addition, commercial centers should include bicycle-friendly design strategies that enhance the direct access to the Lafayette- Moraga Regional Trail.

### **1.3 Design Consistency with General Plan EIR Mitigation Measures**

The following general design strategies should be employed where appropriate to mitigate the impacts of development within the MCSP area and on adjacent neighborhoods.

#### **1.3.1 Traffic and Parking**

- A. On-site parking should be designed to handle maximum demand.
- B. Access points to parking areas and areas of heavier traffic should be located to direct traffic away from all residential areas.

#### **1.3.2 Noise**

- C. Use of berms, sound walls, and additional setbacks along residential property lines is encouraged.
- D. Delivery and service areas should be enclosed and located away from all residential areas and pedestrian paths, plazas, and sidewalks.
- E. External vents and mechanical equipment should be enclosed and fully screened from view and should be directed away from residential uses and pedestrian paths, plazas, and sidewalks.
- F. Nighttime uses such as ATM machines should be oriented away from residential uses.
- G. Active recreational areas and their related service areas should be located away from lower density residential areas.
- H. Primary parking areas and building entrances should be located away from lower density residential areas.

#### **1.3.3 Debris and Odor**

- I. Service entrances and waste disposal facilities (trash, recycling, dumpsters) should be enclosed and fully screened from view and oriented away from all residential areas.
- J. Six foot “good neighbor” fencing should be provided along side and rear residential property lines.

### **1.3.4 Light and Glare**

- K. Light sources should be shielded and directed away from interior living spaces of all residential areas.
- L. Illuminated signs should be oriented away from interior living spaces of all residential uses. Ground signs should be used rather than pole signs.

### **1.3.5 Visual Impacts**

- M. Full landscape plantings should be provided to “line-of-sight” levels to screen views from residential properties into other use areas.
- N. Building scale and massing should be compatible with surrounding uses. Higher intensity uses and larger building scale and mass are appropriate in the Moraga Center, and should transition down to be compatible with the existing building scale and mass in adjacent areas.
- O. Unobstructed view corridors from adjacent areas with views of significant topographic features such as ridgelines should be maintained.

## **1.4 Procedural Considerations**

Please refer to **Chapter 2** of these ~~Town of Moraga~~ Design Guidelines for information regarding the implementation of these ~~Design~~ **MCSP** Guidelines and the Design Review Process.



## 2.0 RESIDENTIAL

The primary aim of design guidelines for residential areas within the MCSP is to create pedestrian friendly, coherent, and attractive neighborhoods that fit into the context of surrounding character of Moraga. Residential areas should support a variety of residential types and densities that all achieve the same high quality design standard, regardless of the specific building type or density.

### 2.1 Site Design

#### 2.1.1 Circulation Patterns

Circulation patterns should define community character, provide links to recreational amenities, and encourage interaction between neighbors.

- A. Neighborhood patterns should allow residents to easily walk or bike through the neighborhood.
- B. Neighborhood patterns should be designed to work with and preserve topographic and natural features.

#### 2.1.2 Streets

Neighborhood Streets should be designed to provide safe and convenient access for vehicles and pedestrians. Streets should provide attractive designs where the composition of street, landscaping, sidewalks, and private front yards define a common space in which residents and visitors can walk, meet, play, and socialize. Street patterns should interconnect and encourage easy access from one neighborhood to another while discouraging high speed travel.

- A. Cul-de-sacs should be open ended and adjacent to open space or other recreational amenities such as parks where possible.
- B. Closed cul-de-sacs of homes should not back onto open space or parks.

- C. Long stretches of homes should not back onto neighborhood collectors or open space amenities such as parks or paseos.
- D. Inappropriate street termination points should be avoided. Examples include bedroom windows vulnerable to headlights, alleys, or other parking areas.

## **2.2 Architecture**

### **2.2.1 Cohesive Neighborhood Design**

Open relationships between neighborhoods should be maintained while still allowing for market differentiation.

- A. Signature detailing should establish the community's architectural character in form, color, and materials.
- B. Abruptly disharmonious and monolithic architectural style, color, and material should not be used.

### **2.2.2 Streetscapes**

Building relationships and groupings should be designed to create streetscapes that demonstrate variety and individuality to contribute to a positive sense of place.

- A. Building heights should vary along streets.
- B. Setbacks should vary along streets.
- C. Uniform and repetitive facades that present a monolithic form of development should be avoided.
- D. Window placement and building siting should not violate the privacy of a adjacent private yards.

### **2.2.3 Garages and Driveways**

Important in the creation of pedestrian oriented neighborhoods is lessening the impact of garage doors.

- A. Plans should provide garages pushed to the rear of the lot or accessed from alleys.
- B. Driveway pavement should be reduced to the minimum functional width. The use of permeable materials for driveways is encouraged.
- C. Planting pockets should be used between adjacent garage doors.
- D. Living space should be forward of the garage setback.
- E. Unadorned street-facing garages should not be forward of living areas.

## 2.2.4 Building Articulation

Visual interest in the streetscape should be created through building articulation and variation of building forms.

- A. Strong vertical accents and varied wall plane lines are encouraged.
- B. Building forms should be appropriate to their style.
- C. Use of balconies, verandas, porches, and arcades visible from the street is encouraged.
- D. Front porches should be sufficiently sized to allow for functional use.
- E. Where topography allows, porches should be elevated above the street level.
- F. Use of repetitive, unarticulated building forms should not be allowed.
- G. Inappropriate mixing of styles should be avoided. (e.g., English half-timbering on 4:12 pitch roof should not be applied to a ranch style home.)
- H. Unarticulated roof forms should not be set on a constant wall plate height.

Equal concern should be given to side elevations on corner lots and rear elevations where visible from public areas and neighboring areas. All “public” faces should be articulated.

- I. Articulation, materials, and architectural details should wrap around corners to sides and rears of homes where visible.
- J. Unadorned flat side and rear elevations should not face onto open space areas and streets.
- K. Wrapping porch elements around the corners of buildings is encouraged on corner lots.
- L. Side elevations that face a public street should be enhanced with additional windows, pop-outs or bays, chimneys, stepped rooflines, or balconies, as appropriate.

## 2.2.5 Entries

Entries should be given special attention as a whole system including the door, side windows, porch, and entry wall.

- A. Entries should be inviting from the street.
- B. Adequate protection from wind, rain, and sun should be provided at building entries.
- C. Where homes occur on corners, wrapping of entry elements around the side is encouraged.
- D. Sectional garage doors should have appropriate articulation, such as panel detailing or window panels, and be recessed into the building plane.

## 2.2.6 Details and Materials

Details and materials should be appropriate to the architectural style of the building. Appropriate and well thought out detailing should enhance the perception of a project’s quality.

- A. Gutters, downspouts, and rainwater leader heads should be integral to the roof and wall detailing and should be designed as part of the trim.
- B. Roofing materials should be appropriate to their related style and pitch.
- C. Homes should have a color palette that at a minimum includes a body color, trim color, and accent color.



### 3.0 COMMUNITY COMMERCIAL

The retail areas of the Moraga Center Specific Plan are important in establishing long term successful retail relationships with the surrounding community.

Retail buildings should provide a contemporary design sensibility that reflects the eclectic architectural context of Moraga. Building forms should be articulated with pedestrian scaled storefronts and a sidewalk oriented retail presence that creates the desired Village character. Also refer to the section on Mixed Commercial/Residential/Office for additional design guidance.

#### 3.1 Site Design

##### 3.1.1 Pedestrian Orientation

Consistent with the Town’s principle to promote commercial centers as community places, a primary focus for site design of Community Commercial areas should emphasize creating comfortable spaces for pedestrians.

- A. Community Commercial areas should be designed to be both bicycle and pedestrian friendly.
- B. Pedestrian scaled lighting fixtures should be provided.
- C. Strong pedestrian connections should be provided from surrounding neighborhoods to the Moraga Center.
- D. Outdoor seating should be provided to include both sunny and sheltered areas.
- E. Both paved and planted areas should be incorporated into the design.
- F. Significant intersections and pedestrian routes across parking areas should be highlighted with bollards, special paving, accent trees.
- G. Focal points should be used to provide central opportunities for public art.

## 3.2 Architecture

### 3.2.1 Building Design

Building forms should generate interest through strong and simple forms, colors, and materials. All building facades visible from public areas should employ the same high level of articulation and quality of details and materials as the front elevation of the building.

A composition of distinct but related forms should be used for overall massing.

- A. Depth and variation along the elevation may be accomplished with projected and recessed wall sections or with colonnades to establish a varying sense of physical movement.
- B. Exterior first floor facing facades along major corridors shall be primarily designed to with minimum of 60% or more transparent glazing to create a strong pedestrian facing façade along the street. The majority of street frontages should be designed for active uses in the floor plan.
- C. Street façade entrances shall be prominent with a pedestrian entry designed to protect from weather elements.
- D. Encase fenestration by a minimum of two foot base at grade.
- E. Where long expanses of blank wall are unavoidable, they should be articulated and softened with changes and relief in wall planes, material changes or landscaping such as three dimensional details, planters, vines, and other landscaping.
- F. Buildings should incorporate three dimensional façade elements that lend a pedestrian scale to the street level.
- G. Main entries should be easily identifiable.

Roof design should be integral to the overall building design.

- H. Structures should feature a variety of roof designs and wall projections to visually break up the building mass.
- I. Roof heights may vary and roof forms may include traditional pitch roofs, shed roofs, and gable forms for creating visual movement along the elevations.
- J. Rooftop mechanical equipment should be screened from view to complement the principle building in terms of quality of materials and colors.

### 3.2.1 Materials

Materials should be appropriate to the building's style and character and suited to commercial construction.

- A. Use of materials such as shingle, lap siding, stucco, masonry, storefront glazing, and well-detailed concrete is encouraged.
- B. Accent materials such as brick, stone, tile, and anodized or patinaed metals are encouraged.
- C. Any changes in materials should occur at inside corners, at a natural break point or a minimum of 4 feet from where the building plane changes direction.
- D. Mirror glazing should not be used.

### 3.2.3 Other Considerations.

For retail tenants, the **Moraga Center** is Specific Plan recognizes the importance of tenant identity and that tenant identity is often integral with the elevations or form of a particular building. Any modification and/or customization of a building(s) and/or building elevation(s) should occur within the overall character and context of these **MCSP** Specific Plan Design Guidelines and of the approved architecture and site plans.

Any changes to a building(s) and/or building elevation(s) for any land use submitted after Administrative Design Review or approval by the Design Review Board should be reviewed and approved administratively when appropriate. When staff deems that there has been too great a modification to plans previously recommended for approval by the DRB, and approved by the Planning Commission and/or Town Council, then the particular proposal shall be re-submitted for review and approval.



#### 4.0 MIXED COMMERCIAL / RESIDENTIAL / OFFICE

Mixed use areas within the MCSP should be a unique combination of different land uses, including but not limited to retail, residential, office, commercial, service, entertainment, and recreation. This blending of uses creates an energy to the urban fabric with distinct yet connected public open spaces, linking the School Street retail area, the Moraga Ranch main lawn, and existing and enhanced open spaces within the Moraga Center to formal and informal pedestrian spaces throughout the plan area.

The School Street “main street” character is intended to create a focal point for the new village at the heart of the MCSP, creating a gathering place that has the potential to be a gathering place for formal events and gatherings such as the weekly farmers’ market or arts and crafts exhibitions while also providing for comfortable, intimate places to pause and rest. Please also see the section on Community Commercial for additional design guidance.

#### 4.1 Site Design

##### 4.1.1 Pedestrian Orientation

Consistent with the Town’s principle to promote commercial centers as community places, a primary focus for site design of Mixed Commercial/Residential/Office areas should emphasize creating comfortable spaces for pedestrians. Please refer to Community Commercial section for general site design considerations. Specific to the Mixed Commercial/Residential/Office land use classification, use of multi-story mixed use buildings with storefronts, awnings, and ample landscaping is encouraged to create a greater sense of street enclosure where people are comfortable walking and spending time.

- A. Mixed Commercial/Residential/Office areas should be designed to be both bicycle and pedestrian friendly.
- B. Provide for a mix of sizes of businesses to create a pedestrian friendly atmosphere that provides diverse retail components.
- C. Use of trellises, awnings, and other weather protection devices is encouraged.

Plazas and other outdoor seating areas should be provided to create gathering places for residents and visitors in order to enhance a village atmosphere.

- D. Focal points should be created with features such as fountains, a clock tower, outdoor performance and gathering areas, or opportunities for public art.
- E. A generous amount of outdoor seating should be provided and should include both sunny and sheltered areas.
- F. Both hard surface and planted areas should be incorporated into the design.
- G. Colored, decorative paving patterns should be used at special focal points.

#### **4.1.2 Street Furnishings**

Creating comfortable streets and pedestrian spaces is an important part of the crafting the Village environment. These areas should be furnished with enriched materials and furnishings that create a comfortable, convenient, and entertaining experience. With the exception of features created as public art, the furnishings should be in a similar family of style color, and finish to create a refined and uncluttered appearance.

- A. Formal seating areas should be provided, using benches, tables, and chairs. To create interesting public spaces, the use of concrete seat walls and steps to create informal seating at raised planters, steps, and benches cast into the plaza areas is also encouraged.
- B. Newspaper racks should be of one cohesive design and integrated into the landscape design.
- C. Bicycle parking and utilities should be integrated into the landscape design to place these elements where they are needed in a discreet manner.
- D. Bollards may be placed to provide separation between auto and pedestrian crossings.
- E. Trash and ash receptacles should be placed at convenient locations to help keep these areas clean.

#### **4.2 Architecture**

The goal of the Mixed Commercial/Residential/Office architecture is to create a character which is distinctive and memorable. The architecture should be inspired by classic Village architecture as well as semi-rural design sensibility in a restrained modernist vocabulary.

##### **4.2.1 Building Design**

All building facades visible from public areas should employ the same high level of articulation and quality of details and materials as the front elevation of the building.

- A. Where long expanses of blank wall are unavoidable, they should be articulated and softened with three dimensional details, planters, vines, and other landscaping.
- B. A composition of distinct but related forms should be used.
- C. Loading and service areas should be integrated into the overall building composition.
- D. Architectural enclosures should be designed as integral elements of the building architecture.
- E. Use of long, unbroken forms and flat planes is discouraged.

Public street facing facades should incorporate three dimensional façade elements that lend a pedestrian scale to the street level.

- F. Trellises or permanent awnings should be ~~occasionally~~ **occasionally** incorporated ~~incorporated~~ where appropriate to protect sidewalks and plaza areas from the elements.
- G. Use of arcades, wide overhangs, and deep reveals is encouraged.
- H. Main entries should be easily identifiable.
- I. Flat, unarticulated wall planes should not be used.

Roof design shall be integral to the overall building design.

- J. Parapets shall screen rooftop mechanical equipment from view.
- K. Tower elements should be included at key locations (entries, corners) to provide points of interest along the street.
- L. Uniform rooflines should be avoided by varying heights of adjacent buildings or storefronts.

#### **4.2.2 Materials**

Materials should be appropriate to the ~~building's~~ **building's** style and character and should be suited to commercial construction.

- A. Use of Materials such as shingle, lap siding, stucco, masonry, storefront glazing, and well-detailed concrete is encouraged.
- B. Accent materials such as brick, stone, tile, and anodized or patinaed metals are encouraged.
- C. Any changes in materials should occur at inside corners where the building plane changes direction.
- D. Mirror glazing should not be used.

## **5.0 SUBURBAN OFFICE**

The Suburban Office land use classification seeks to provide an employment base for the Town of Moraga in a quality environment. As an integral part of the community, it is important to maintain the quality of the character established throughout the rest of the MCSP.

### **5.1 Site Design**

#### **5.1.1 Pedestrian Orientation**

Suburban Office development should provide for an employment environment where people are comfortable walking between buildings and parking areas, and with strong pedestrian connections to the rest of the community.

- A. Suburban Office areas should be designed to be both bicycle and pedestrian friendly.
- B. Pedestrian paths and walks should be lined with trees. Trees should also be used to create separation between pedestrian paths and parking areas.
- C. Pedestrian scaled lighting fixtures should be provided along internal walkways.
- D. There should be provision of street furniture including bus shelters, trash receptacles, and bicycle racks.
- E. Special paving should be used at key pedestrian and vehicular intersections.
- F. Loading and service areas should be screened from view and not be visible from public streets.
- G. Architectural enclosures should be designed as integral elements of the building architecture.

### **5.2 Architecture**

#### **5.2.1 Building Design**

Building design should create a quality character of architecture that is both aesthetically pleasing and functionally efficient, and allows for flexibility over time. Public street facing facades of all buildings should have the same level of articulation and quality of details and materials as the “public front” of the building.

- A. A composition of distinct but related forms should be used.
- B. Roof heights may vary.
- C. Main entries should be easily identifiable.
- D. Flat, unarticulated wall planes should not be used.
- E. Roof design should be integral to the overall building design.
- F. Rooftop mechanical equipment should be screened from view.
- G. Superficial roof forms or roof forms that appear to be tacked on should not be used.

#### **5.2.2 Details and Materials**

Details and materials should be appropriate to the building’s style and character and suited to commercial construction.

- A. Use of materials such as stucco, masonry, storefront glazing, and well detailed concrete is encouraged.

- B. Accent materials such as brick, stone, tile, glass block, and anodized or patinaed metals should be used.
- C. Mirror glazing should not be used.

## 6.0 SITE FEATURES

The use of accessory site elements such as lamp posts, signage, walls, and fences greatly contribute to the overall feel of a community. In addition, these elements contribute to the safety, comfort, and legibility of a community, therefore having the dual role of being functional and aesthetic at the same time. Site features used in the MCSP area should be of a similar character to contribute to a cohesive community aesthetic that preserves the semi-rural context and character of the Town.

### 6.1 Lighting

The goal for the lighting guidelines is to provide a comfortable level of illumination that meets the community's needs for orientation and safety in a way that complements the aesthetic qualities of the architecture and the semi-rural character of Moraga.

#### 6.1.1 General Considerations

Lighting design should be energy efficient, to create a better quality of life, an improved aesthetic, and preserve energy resources.

- A. High efficiency fixtures and sophisticated optics are encouraged to direct light where it is needed without creating excessive glare.
- ~~B. Long lasting high pressure sodium lamps are suggested to minimize energy use and lamp replacement.~~
- B. Outdoor lighting should be related to the design of the structures and/or landscaping that it serves.**
- C. Lights should be placed where they are needed for specific uses, rather than to a continuous foot-candle requirement, allowing for the appreciation of the dark sky in the residential neighborhoods and reducing the total number of fixtures and energy consumption. Wherever possible fixtures should carry approval of the International Dark Sky Association.**
- D. Wherever possible, include motion- or light-detecting switches that will turn off lights when they are not needed.**
- E. Use warm lighting (3,000 kelvin or lower).**

Lighting should be shielded to avoid excessive and unnecessary glare.

- F. The use of uplights for buildings, trees, or signs is discouraged.**
- ~~G. High pressure sodium and incandescent lamps shall be used exclusively to minimize provide a narrow light spectrum to preserve viewing opportunities and increase efficiency.~~
- ~~H. Mercury vapor, metal halide, and fluorescent lamps will not be permitted for use in the specific plan area.~~
- ~~I. Other light sources may be considered if it can be demonstrated that the narrow light spectrum is maintained.~~
- G. All lighting shall comply with energy efficiency and other standards under State regulations.**
- H. Outdoor light fixtures should be designed and mounted so that the source of light has minimal impact off site.**
- I. Outdoor lighting should be directed inward toward the property and may require additional screening to avoid spillage onto adjacent residential properties.**

### **6.1.2 Village Lighting**

Centers of community activity should have street and plaza lighting consistent with the Community Commercial and Mixed Commercial/Residential/Office guidelines in order to maintain the continuity of design through these spaces.

- A. Light fixtures should be designed as an integral part of the streetscape with a spacing and pattern that complements tree plantings and other site furniture.
- B. Retail sidewalks and plazas should utilize a combination of decorative pedestrian scale pole and bollard lights that complements the architectural style of the buildings.
- C. Use of wall mounted fixtures where appropriate on the building elevations is encouraged to supplement other forms of lighting and to complement the building architecture.
- D. Use of special lighting features is encouraged to further animate public spaces by encouraging nighttime use.
- E. Festive lighting such as string lights is encouraged in focal points of pedestrian activity such as plazas, outdoor seating areas, and special sidewalk zones.
- F. Light fixtures in retail areas should provide arms for banners to provide seasonal decorative opportunities and to add a festive quality to the Village environment.
- G. Parking areas should be lighted with high efficiency pole fixtures that provide an even distribution of light while minimizing glare. Lamps should be combined with sophisticated optics and sharp cut off features to direct all of the light to the ground.

### **6.1.3 Residential Lighting**

Lighting in residential areas should be provided at specific points of need in keeping with a semi-rural standard to reflect a quieter and more intimate setting in residential areas.

- A. Use of pole lights with a shielded light source and/or optics to direct the light down to the ground is encouraged so that the light source is not visible outside of the light distribution area.
- B. Light poles should be provided at street intersections and along pedestrian pathways to provide orientation and way finding within the community.
- C. Street identification signs and traffic control signs should be mounted on light poles to integrate these elements into the design and minimize the visual impact of poles and signs on the community.

#### 6.1.4 Open Space Lighting

Lighting for parks should help characterize parks as an extension of pedestrian zones throughout the rest of the community and should provide the minimum ample lighting for safety, orientation, and way finding along the trails.

- A. The same pole lights used along streets should be placed in parks.
- B. Use of decorative pole lights along adjacent streets is encouraged to provide an amenity enhanced edge and increased illumination around park perimeters.
- C. Lighting should not be provided for active nighttime use of parks to discourage excessive light and noise to neighbors.
- D. Light sources should minimize glare through the use of side shields and cut off optics.
- E. No direct view to light sources should be visible from off site.
- F. Pedestrian pole light fixtures should complement the pattern of tree planting along paths, roads, and parking areas.
- G. Use of building mounted fixtures that match the pole lights is encouraged, as long as the fixtures are scaled appropriately for their location on the building.

#### 6.4.2 Signage

Signage in the MCSP area should be functional and attractive and incorporate artistic elements when possible, using a high level of design, graphics and efficient maintenance.

##### 6.4.16.2.1 General Considerations

- A. All signs should be related to their surroundings in terms of size, shape, color, texture, and lighting so that they are complementary to the overall design and not in competition with other signs in the area.
- B. Signs should be subtle and unobtrusive, conveying their message in a clear and legible fashion, and should be vandal- and weather-resistant.
- C. Wayfinding or directory signs may be placed at key locations to provide information and orientation for customers.
- D. Struts, braces, kickbacks, or guy wires to support signs should be avoided unless they are a feature of the design.
- E. Decorative product type signs, such as beer signs and informative type signs used for purposes of interior design only, are termed non-accessory signs. Such signs shall be erected only within the business establishment and shall be located no closer to an exterior window or open doorway than 6 feet.
- F. Use of internally illuminated signs and exposed neon tubing should be avoided.
- G. Illuminated signs should be halo-type reverse channel letters or screened, low level spot lights. External lighting sources should be screened from view and light should be directed against the sign so that it does not shine onto adjacent property nor into the eyes of motorists or pedestrians.
- ~~H. All lighted accessory signs (primary business identification signs) shall be submitted for Design Review approval and shall be in conformity with any approved sign and design policy for the center, building complex, or area.~~

## **6.1.26.2.2 Building Signs**

All building plans should provide a signage program so that they are an integral part of the building design.

- ~~I~~.A. Use of reverse channel halo lit signs, pedestrian oriented blade signs, sculptured cantilevered signs, non-internally lit signs backed by building face or storefront are encouraged.
- ~~J~~.B. Individual letter characters are encouraged.
- ~~K~~.C. Metal signs may be made of aluminum, brass, bronze, copper, or stainless or welded steel.
- ~~L~~.D. Signs are to be free of all labels and fabricator's advertising, except for those required by code.
- ~~M~~.E. Logos or trademark displays may be used on signs.
- ~~N~~.F. Building signs may be halo lit or use shielded gooseneck spot lights directed away from the sidewalk to reduce glare.

## **6.1.46.2.4 Freestanding Monument Signs**

- A. Pole signs are not allowed.
- B. Freestanding signs should be of a low profile and integrated with the site plan.
- C. Accessory low level floodlights are allowed if properly screened from view.
- D. Color, materials, and fonts shall be integrated with the surrounding buildings, walls, or other construction and landscaping.

## **6.1.46.2.4 Live/Work and Home Occupation Signs**

Accessory signs for home occupations should be unobtrusive and in character with residential neighborhoods rather than retail storefronts. Home occupations are encouraged in certain areas as opportunities for St. Mary's faculty housing and as an opportunity to provide sustainable practice for small businesses.

- A. Use of pedestrian oriented blade signs, sculptured cantilevered signs, and individually crafted plaque signs is encouraged.
- B. Signage is intended to be unique and original for each establishment and executed with a high degree of craftsmanship.
- C. Accessory signs in residential areas shall not exceed 2 square feet.

## **6.26.3 Walls and Fencing**

Walls and fences should be minimized to the greatest extent possible. For information about reducing the impact of site grading and retaining walls, please refer to [Chapter 7 of these guidelines](#). ~~the Town of Moraga Design Guidelines~~

### **6.2.16.3.1 Walls**

- A. Site walls should be made of materials complementary to the building architecture palette.
- B. Walls located in visually prominent areas should be decorative and faced with materials that are compatible with the surrounding natural environment and from local sources, whenever possible.

- C. Keystone and other interlocking masonry wall systems are encouraged in place of concrete retaining walls.
- D. Concrete retaining walls shall be allowed only where necessary for structural and spatial requirements and shall be heavily screened from view with plantings to minimize their visual impact.
- E. Plantings should be utilized to minimize the visual impact of all retaining walls.

### **6.2.26.3.2 Fencing**

- A. Fencing materials and colors should complement adjacent architecture.
- B. Use of decorative fencing styles such as grape stake, picket, and split rail fences are encouraged in areas of high visual sensitivity.
- C. Use of a variety of traditional wood “good neighbor” style fences is allowed.

### **6.3.6.4 Site Furniture**

#### **6.3.16.4.1 Street Furniture and Paving Treatment**

Streets and public spaces should be designed to be comfortable for pedestrians and emphasize pedestrian movement among and between various uses in MCSP area.

- A. Benches and seat walls should be incorporated into the streetscape to provide seating areas along pedestrian promenades.
- B. Ample bicycle parking areas and bicycle racks should be provided throughout the MCSP area.
- C. Seating areas should present both shady and sunny opportunities.
- D. Tree grates, bollards, and other site furniture should be used to help articulate the street edges and provide a pleasant separation between the automobile realm and the pedestrian realm.
- E. Where the automobile realm and the pedestrian realm overlap, clear priority should be given to the pedestrian in the form of accentuated paving, bollards, special crosswalk lighting, and other pedestrian features.
- F. The use of permeable concrete or permeable asphalt paving with score lines to reduce the scale of the pavement, or permeable interlocking pavers, is encouraged.
- G. Passageways between stores that lead to parking areas are particularly important and should be accentuated by architectural gateway elements, decorative paving and plantings, bollards, and seating courts with ample shade and weather protection.

#### **6.3.26.4.2 Park Furniture and Paving Treatment**

Pedestrian promenades flow through parks as the primary pedestrian activity zone. They should be furnished with durable materials and equipment that will support a variety of play and recreation experiences. Wood, concrete, and galvanized or patinaed metal materials may be used where appropriate to achieve the best performance possible for the furnishings specified.

- A. Use of wood or recycled plastic planks and metal is encouraged for benches and picnic tables. Wood should be specified from sustainable sources.
- B. Barbecue grills should be cast into concrete footings and made of durable cast iron materials.
- C. Bollards should be used to separate pedestrian areas from vehicular pavement, and should be made of cast iron or natural wood posts.

- D. Wood fences may provide separation between parks and adjacent uses. Where front yards or streets face parks, use of post and rail or picket fences is encouraged. Where side or rear yards occur next to parks, “good neighbor” fences six feet in height should be used.
- E. Wood trellis structures may be used as shade structures. These should be built of oversized rough lumber with patinaed or galvanized hardware that matches the metal color palette.
- F. Cast in place concrete seat walls may be used where they provide the best material solution to the need. Walls should be formed and finished to provide comfortable seating elements that flow with the site geometry.

In addition to open lawn areas, park designs should provide for passive and active play environments for all ages and interests.

- G. All play experiences shall be designed to meet the access requirements addressed in the ADA codes and regulations.
- H. Use of play surfaces such as sand, recycled rubber pavement, and artificial turf that create different play experiences as well as increase safety and provide options for comfortable and heat resistant play surfaces is encouraged.
- I. Play structures should be composed of wood, plastic, or metal components to provide the most practical and appropriate material for the intended use. Galvanized metal components may be used where it provides the best wearing treatment for the use.
- J. Variation in colors and materials of play equipment is encouraged to create different identities for neighborhood parks. Brighter colors may be used selectively for interest, and color coordination with the color palette of the planting design is encouraged.
- K. Use of interactive public “play art” is encouraged. These elements should be painted in bright colors to add interest and playful energy to these spaces.

Selection of paving materials for parks should be based upon the nature of the traffic and the type of experience that is designed for the park.

- L. Use of crushed stone for the primary paving material in parks is encouraged.
- M. Use of integrally colored and natural gray concrete with decorative scoring and sandblasted patterns is encouraged for focal points of pedestrian activity.
- N. Where appropriate, asphalt paving, porous paving, and crushed stone paths should be used.
- O. Higher intensity multi-purpose paths shall be 12 feet wide with a center stripe and be made of natural gray concrete paving.
- P. Lower intensity bicycle paths shall be reinforced crushed stone paving.
- Q. Crushed stone, permeable concrete, and permeable paving stones should be used to reduce storm water runoff and to reduce the scale of parking areas.
- R. Enhanced paving should be used to articulate pedestrian crossings, buildings entrances, and site ~~entraces~~ **entrances** that relate to parking areas.

## 7.0 LANDSCAPE

Landscaped areas should be drought-tolerant, deer resistant, and appropriate for Moraga's chaparral landscape context.

### 7.1 Street Landscaping

Street trees provide a significant landscape presence that enhances the experience of walking, riding, or driving through the MCSP neighborhoods. Street trees should be evergreen varieties which are well suited to the local environment and should be used to create a sense of continuous street enclosure and protection for pedestrian areas.

For landscape strategies specific to Scenic Corridors, please refer to ~~the Town of Moraga Design Guidelines~~ Appendix **AB of these guidelines** for a list of recommended trees and shrubs for scenic corridors. Street trees for community streets and bioswale areas should also be taken from this list. In addition, please refer to the Moraga Transportation Corridor Streetscape Plan for additional landscape design principles appropriate to street landscaping.

### 7.2 Residential Landscaping

Planting designs should be appropriate for the local site and environmental conditions present in Moraga.

- A. Neighborhood plantings should have individual expressions of landscape design consistent with the architectural character of the homes.
- B. Street trees should be placed in landscape strips that separate the roadway from the sidewalk, which should also include drought tolerant shrub and groundcover plantings to encourage sidewalk use.
- C. Residential alleys should be planted with evergreen trees and shrubs to soften and complement the architectural design.
- D. At a minimum, planting pockets should occur at each property line along alleys.
- E. Pedestrian walkways that provide garden entries to homes along common paseos should be treated with ornamental trees and flowering shrubs to accentuate their pedestrian significance.

### 7.3 Commercial Landscaping

The landscape design for commercial areas should provide a festive and dynamic environment for shopping and passive recreation.

- A. Planting design of storefronts and plaza areas should have individual expressions of landscape design consistent with the architectural design.
- B. Bold use of plant material in sweeping masses of layered color and texture is encouraged.
- C. Street trees should create a continuous canopy along streets.
- D. Trees planted along commercial streets should be planted in tree wells a minimum of 4 feet by 4 feet. Where diagonal parking or corner conditions permit additional landscape areas, trees should be complemented by flowering shrubs or other ornamental plants.
- E. The use of "soft" materials such as crushed rock is encouraged as a base in planting areas to enhance the semi-rural character of commercial areas.

Landscape treatments for parking areas should present a coherent planting theme that minimizes the impact of asphalt and automobile traffic.

- A. Pedestrian routes through parking areas should be clearly marked by features such as enhanced paving, pedestrian scaled light fixtures, bollards and enhanced tree canopies, and should lead directly to passageways between stores.
- B. Evergreen trees should be used to provide year-round parking lot tree coverage and to help reduce the impact of storm water runoff.
- C. Bioswales should be integrated into parking areas to improve the quality of storm water runoff and to allow infiltration of storm water into the subgrade. Curbs should have notched openings set flush or below the asphalt elevation to allow water flow into the bioswales.

#### **7.4 Open Space Landscaping**

Planting design in parks should have distinct variations in theme based upon the site context, use, and visual concept.

- A. Smaller parks and those in higher intensity use areas should be designed in a formal style.
- B. Larger parks and those in lower intensity of use areas and residential neighborhoods should include native plantings and landforms that have an informal character.
- C. Formal gardens that make use of bold plantings in sweeping masses of layered color and texture, and that create visual interest and ease of maintenance, are encouraged.

## **8.0 STREET DESIGN STANDARDS**

### **8.1 Street Design Standards**

- A. Continuity. The continuity of vehicular lanes, bicycle facilities, and public frontages should be considered in the design of streets.
- B. Topography. Streets that traverse steep slopes may need to incorporate design consideration for drainage facilities, additional width for bicycle lanes on the uphill side of the thoroughfare, and other slope-related issues. Streets should be located and designed to minimize the use of retaining walls, as feasible.
- C. Parking. The provision of parking on site or on the street may need to be considered in the selection of the appropriate thoroughfare type.
- D. Truck Access. Streets that provide access to high volumes of large trucks may need additional design considerations to mitigate potential negative effects on walkability.
- E. Bus and Transit Service. Streets that will serve as public transit or school bus routes may need additional design considerations, including, but not limited to, the location of bus stops and 11-foot effective travel lane widths.
- F. Fire/Emergency Access. Fire and emergency access may need to be addressed through installation of rolled curbs and bulb-outs that can accommodate fire truck outriggers.
- G. Green infrastructure. All public streets should incorporate green infrastructure. Reference Contra Costa Clean Water Program for specific guidance.

## **9.0 PEDESTRIAN AND BICYCLE-FRIENDLY DESIGN**

### **9.1 Intersections**

Street intersections shall be safe for pedestrians and bicyclists:

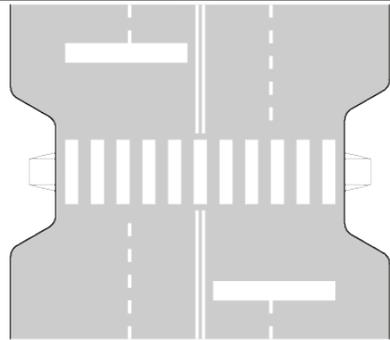
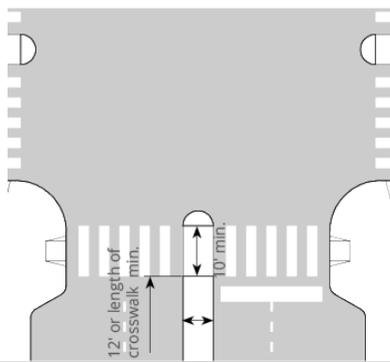
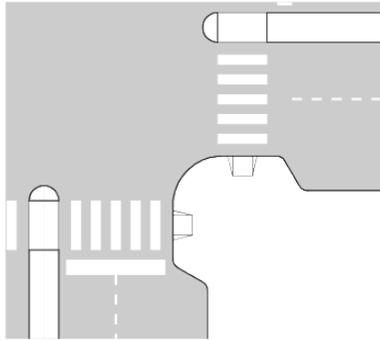
- A. Street design of narrow streets and compact intersections requires designers to pay close attention to the operational needs of transit, fire and rescue, waste collection and delivery trucks. For this reason, early coordination with transit, fire and rescue, waste collection and other stakeholder groups is essential.
- B. Encroachment of turning vehicles into opposing lanes can be expected to occur at compact intersections. Therefore, frequency of access, traffic volumes and the speeds on intersecting streets at those intersections should be considered when designing intersections. For fire and rescue, determination of the importance of that street for community access should be determined, e.g. primary or secondary access.
- C. Intersections should be designed to ensure that adequate operation of vehicles can occur. Location of on-street parking around intersections may be evaluated during this analysis to identify potential conflicts between turning vehicles and on-street parking. Bike lanes and on-street parking will increase the effective curb return radius, when curb extensions are not employed, by providing more room for the wheel tracking of turning vehicles.
- D. Curb radius at intersections should have a dimension between 10 to 15 feet. Curbs may be mountable curbs if necessary to meet the needs of fire and emergency access:
- E. Roundabouts should be considered as an alternative for any type of intersection. Roundabouts can provide reduced vehicle speeds, reduced conflict points, separation of vehicle-vehicle conflict points from vehicle-pedestrian conflict points, and provide a two-step crossing for pedestrians.

### **9.2 Pedestrian Crossing Standards**

Pedestrian crossings at intersections and mid-block locations should be designed in accordance with the following standards. Modifications may be made to comply with ADA requirements.

**PEDESTRIAN CROSSINGS**

Type	Description
Directional Curb Ramps	<p>Perpendicular corner curb ramps with a separate ramp installed in each direction should be used where feasible instead of single, diagonal corner ramps. The limit line shall be set back a minimum of 4 feet from the crosswalk.</p>
Crosswalks	<p>Crosswalks should be designed per the California Manual of Uniform Traffic Control Devices (CA MUTCD). All marked crosswalks shall be striped as high-visibility crosswalks.</p>
Medians	<p>Medians, where provided, should provide a median refuge for pedestrians at the intersection. Medians shall be a minimum of 6 feet wide with a preferred width of 8 feet wide wherever possible.</p>
Mid-block Crossings	<p>Mid-block crossings, where provided, should have mid-block curb extensions, flashing beacons (if warranted by traffic volumes), and additional signage. The limit line shall be set back a minimum of 20 feet from the crosswalk. There shall be no parking or vertical features on the street edge within the 20-foot setback to the crosswalk.</p>



## 10. TOWN SQUARE DESIGN GUIDELINES

### 10.1 Purpose

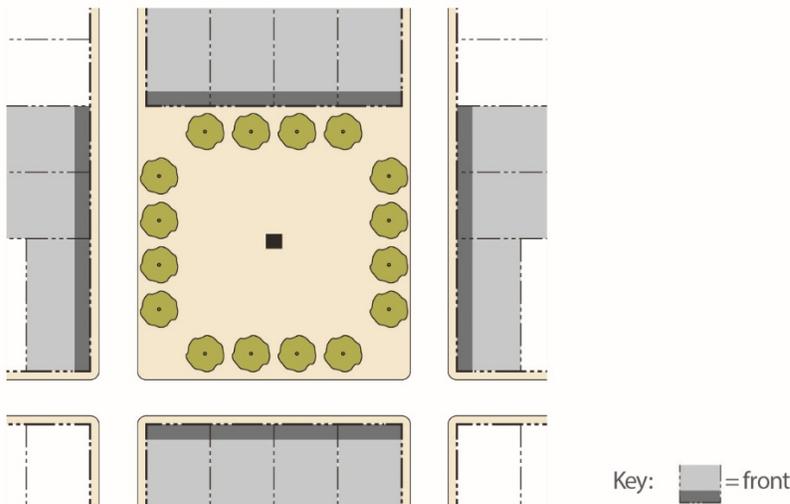
These guidelines provide guidance on design and development of the Town Square in the Moraga Center Specific Plan area.

### 10.2 Town Square Design

- A. The Town Square should be designed to serve as a community-wide focal point, primarily for civic purposes, with secondary commercial activities that are subordinate to civic activity. The Town Square should be a formal urban space, primarily featuring hardscape and/or turf, outdoor seating, and passive recreation, with planting accents in formal patterns. It should be spatially defined by adjacent buildings and tree-lined streets, and should feature one or more civic elements, such as sculptures, fountains, or public art. A small stage or outdoor performance space, as well as seating for adjacent cafes or restaurants, may also be included.
- B. Design Parameters. The Town Square should be built according to the following design parameters.

Design Parameters	
Minimum Area	0.5 acre
Minimum Width	80 feet
Minimum Depth/Length	150 feet

- C. Building Frontage. The facades on the lots attached to or across a street from the Town Square should be designed as a "front" on to the public, as illustrated below.



- D. Accessory Structures and Buildings. Accessory structures and buildings built in the Town Square should be designed and furnished to be consistent with the Town Square itself. Such consistency may require accessory structures and buildings to maintain building setbacks, frontage, massing, disposition, and design character similar to adjacent development. Such accessory structures and buildings may include restrooms, concession stands, pergolas, maintenance buildings, and community gathering rooms.

E. Commercial Uses. If permanent or temporary commercial uses are allowed within the Town Square, such uses shall be ancillary to civic or recreational uses and shall be subject to approval by the Planning Commission.

### 10.3 Town Square Lighting Types

A. In addition to conforming with the lighting guidance in Section 6 of these MCSP Design Guidelines, public In the Town Square area, lighting in the Town Square fixture types and poles located along streets and public rights-of-way should conform with be selected from the following examples: examples.

TOWN SQUARE PUBLIC LIGHTING TYPES

Fixture Pole Type	Pipe (round)	Post (square)	Column
Illustration			

- B. Pedestrian lighting shall be of a height where the luminaire is mounted between 12 to 14 feet above the sidewalk/pavement. Pedestrian lighting can have be pipe, post, or column type poles.
  - C. Vehicular lighting shall be of a height where the luminaire is mounted between 18 to 20 feet above the pavement. Vehicular lighting shall only have be pipe or post types.
  - D. Pipe and post lighting types shall feature a pendant-style light head type. Column lighting types shall feature an acorn-style light head type.
  - E. The color of the light poles shall relate to the surrounding architecture and town square design features.
- All light posts shall follow the guidelines set forth in Chapter 6, including guidelines for energy efficiency and glare reduction.

### 10.4 Town Square Examples

The following photos show examples of town squares from other locations whose overall character is appropriate for Moraga’s Town Square. Individual design elements will differ from the examples shown. These examples are shown with reference to the town squares only, and not the architecture style or size of the surrounding buildings.







# **APPENDIX A**

## **Moraga Design Guidelines**

### **Build It Green**

#### **Single-Family GreenPoint Checklist**

The GreenPoint Checklist offers builders, homeowners and municipalities a tool to assess how environmentally friendly or green a home is. This checklist is also the basis for Build It Green's third-party verification program – GreenPoint Rated. GreenPoint Rated was developed with the cooperation of local builders, city planners and building officials. Each green measure has been assigned a point value based on its benefits to the homeowners and the environment, as well as its ease of implementation.

A home can be considered green if it fulfills the prerequisites, earns at least 50 points and meets the minimum points per category: Energy (30), Indoor Air Quality/Health (5), Resources (6), and Water (9). You can obtain additional information on the Green Building Guidelines, GreenPoint Rated Manuals and most recent versions of the GreenPoint Checklists at [GreenPointRated@BuilditGreen.org](mailto:GreenPointRated@BuilditGreen.org) or call (510) 845-0472, ext. 604. The GreenPoint Rated program is updated every three years to coincide with changes to the California Building Energy Efficiency Standards. Currently, there are checklists for existing and new single family homes and for multifamily structures. The most current checklist for new single family homes (SF Data Collection Form v3.7) is printed on the following pages. Please contact Build It Green for a list of certified GreenPoint Raters if you are interested in obtaining a green home rating.

# GreenPoint Rated Checklist: Single Family

The GreenPoint Rated checklist tracks green features incorporated into the home. A home is only GreenPoint Rated if all features are verified by a Certified GreenPoint Rater through Build It Green. GreenPoint Rated is provided as a public service by Build It Green, a professional non-profit whose mission is to promote healthy, energy and resource efficient buildings in California. The minimum requirements of GreenPoint Rated are as follows: verification of 50 or more points; Earn the following minimum points per category: Energy (30), Indoor Air Quality/Health (5), Resources (6), and Water (9); and meet the prerequisites A.3.a (50% construction waste diversion), J.1 (Exceed Title 24 by 15%), and N.1 (Incorporate Green Point Rated checklist in blueprints). The criteria for the green building practices listed below are described in the GreenPoint Rated Single Family Rating Manual. For more information please visit [www.builditgreen.org/greenpointrated](http://www.builditgreen.org/greenpointrated) Single Family New Home 3.7

Total Points Achieved: 0



Enter Project Name		Points Achieved	Community	Energy	IAQ/Health	Resources	Water	Blueprint Page No.	Notes
<b>A. SITE</b>			Possible Points						
1. Protect Topsoil and Minimize Disruption of Existing Plants & Trees									
No	a. Protect Topsoil from Erosion and Reuse after Construction	0	1				1		
No	b. Limit and Delineate Construction Footprint for Maximum Protection	0					1		
No	2. Deconstruct Instead of Demolishing Existing Buildings On Site	0				3			
3. Recycle Job Site Construction Waste (Including Green Waste)									
No	a. Minimum 50% Waste Diversion by Weight (Recycling or Reuse) - <i>Required</i>	0				R			
No	b. Minimum 65% Diversion by Weight (Recycling or Reuse)	0				2			
No	c. Minimum 80% Diversion by Weight (Recycling or Reuse)	0				2			
4. Use Recycled Content Aggregate (Minimum 25%)									
No	a. Walkway and Driveway Base	0				1			
No	b. Roadway Base	0				1			
Total Points Available in Site = 12									
<b>B. FOUNDATION</b>			Points Available Per Measure						
1. Replace Portland Cement in Concrete with Recycled Flyash or Slag									
No	a. Minimum 20% Flyash or Slag	0				1			
No	b. Minimum 25% Flyash or Slag	0				1			
No	2. Use Frost-Protected Shallow Foundation in Cold Areas (C.E.C. Climate Zone 16)	0				3			
No	3. Use Radon Resistant Construction [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0			1				
4. Design and Build Structural Pest Controls									
No	a. Install Termite Shields & Separate All Exterior Wood-to-Concrete Connections by Metal or Plastic Fasteners/Dividers [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0				1			
No	b. All New Plants Have Trunk, Base, or Stem Located At Least 36 Inches from Foundation	0				1			
Total Points Available in Foundation = 8									
<b>C. LANDSCAPING</b>			Points Available Per Measure						
1. Construct Resource-Efficient Landscapes									
No	a. No Invasive Species Listed by Cal-IPC Are Planted	0					1		
No	b. No Plant Species Will Require Hedging	0				1			
No	c. 75% of Plants Are California Natives or Mediterranean Species or Other Appropriate Species	0					3		
No	2. Use Fire-Safe Landscaping Techniques	0	1						
3. Minimize Turf Areas in Landscape Installed by Builder									
No	a. All Turf Will Have a Water Requirement Less than or Equal to Tall Fescue (< = 0.8 plant factor)	0					2		
No	b. Turf Shall Not Be Installed on Slopes Exceeding 10% or in Areas Less than 8 Feet Wide	0					2		
No	c. Turf is <=33% of Landscaped Area (total 2 points)	0					2		
No	d. Turf is <=10% of Landscaped Area (total 4 points)	0					2		
No	4. Plant Shade Trees	0					3		
No	5. Group Plants by Water Needs (Hydrozoning)	0					2		
6. Install High-Efficiency Irrigation Systems									
No	a. System Uses Only Low-Flow Drip, Bubblers, or Low-flow Sprinklers	0					2		
No	b. System Has Smart (Weather-Based) Controllers	0					3		
No	7. Incorporate Two Inches of Compost in the Top 6 to 12 Inches of Soil	0					3		
No	8. Mulch All Planting Beds to the Greater of 2 Inches or Local Water Ordinance Requirement	0					2		
No	9. Use 50% Salvaged or Recycled-Content Materials for 50% of Non-Plant Landscape Elements	0				1			
No	10. Reduce Light Pollution by Shielding Fixtures and Directing Light Downward	0	1						
Total Points Available in Landscaping = 31									
<b>D. STRUCTURAL FRAME &amp; BUILDING ENVELOPE</b>			Points Available Per Measure						
1. Apply Optimal Value Engineering									
No	a. Place Rafter and Studs at 24-Inch On Center Framing	0				1			
No	b. Size Door and Window Headers for Load	0				1			
No	c. Use Only Jack and Cripple Studs Required for Load	0				1			
2. Use Engineered Lumber									
No	a. Beams and Headers	0				1			
No	b. Insulated Engineered Headers	0		1					
No	c. Wood I-Joists or Web Trusses for Floors	0				1			
No	d. Wood I-Joists for Roof Rafters	0				1			
No	e. Engineered or Finger-Jointed Studs for Vertical Applications	0				1			
No	f. Oriented Strand Board for Subfloor	0				1			
No	g. Oriented Strand Board for Wall and Roof Sheathing	0				1			
3. Use FSC-Certified Wood									
No	a. Dimensional Lumber, Studs and Timber: Minimum 40%	0				2			
No	b. Dimensional Lumber, Studs and Timber: Minimum 70%	0				2			
No	c. Panel Products: Minimum 40%	0				1			
No	d. Panel Products: Minimum 70%	0				1			

Enter Project Name		Points Achieved	Community	Energy	IAQ/Health	Resources	Water	Baseline Page No.	Notes
<b>4. Use Solid Wall Systems (Includes SIPs, ICFs, &amp; Any Non-Stick Frame Assembly)</b>									
No	a. Floors	0		2		2			
No	b. Walls	0		2		2			
No	c. Roofs	0		2		2			
<b>5. Reduce Pollution Entering the Home from the Garage</b> [*Points automatically granted when project qualifies for measure J3: ES with IAQ]									
No	a. Tightly Seal the Air Barrier between Garage and Living Area	0			1				
No	b. Install Garage Exhaust Fan OR Build a Detached Garage	0			1				
No	<b>6. Design Energy Heels on Trusses (75% of Attic Insulation Height at Outside Edge of Exterior Wall)</b>	0		1					
No	<b>7. Design Roof Trusses to Accommodate Ductwork</b>	0		1					
No	<b>8. Use Recycled-Content Steel Studs for 90% of Interior Wall Framing</b>	0				1			
No	<b>9. Thermal Mass Walls: 5/8-Inch Drywall on All Interior Walls or Walls Weighing more than 40 lb/cu.ft.</b>	0		1					
<b>10. Install Overhangs and Gutters</b>									
No	a. Minimum 16-Inch Overhangs and Gutters [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0				1			
No	b. Minimum 24-Inch Overhangs and Gutters	0		1					
Total Points Available in Structural Building Frame and Envelope = 36		0							
<b>E. EXTERIOR FINISH</b>			Points Available Per Measure						
No	1. Use Recycled-Content (No Virgin Plastic) or FSC-Certified Wood Decking	0				2			
No	2. Install a Rain Screen Wall System	0				2			
No	3. Use Durable and Non-Combustible Siding Materials	0				1			
No	4. Use Durable and Non-Combustible Roofing Materials	0				2			
Total Points Available in Exterior Finish = 7		0							
<b>F. INSULATION</b>			Points Available Per Measure						
<b>1. Install Insulation with 75% Recycled Content</b>									
No	a. Walls and Floors	0				1			
No	b. Ceilings	0				1			
<b>2. Install Insulation that is Low-Emitting (Certified Section 01350)</b>									
No	a. Walls and Floors	0			1				
No	b. Ceilings	0			1				
No	<b>3. Inspect Quality of Insulation Installation before Applying Drywall</b> [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0		1					
Total Points Available in Insulation = 5		0							
<b>G. PLUMBING</b>			Points Available Per Measure						
<b>1. Distribute Domestic Hot Water Efficiently (Additive, Maximum 7 Points)</b>									
No	a. Insulate Hot Water Pipes from Water Heater to Kitchen	0		1			1		
No	b. Insulate All Hot Water Pipes	0		1			1		
No	c. Use Engineered Parallel Piping	0					1		
No	d. Use Engineered Parallel Piping with Demand Controlled Circulation Loop	0					1		
No	e. Use Structured Plumbing with Demand Controlled Circulation Loop	0		1			2		
No	f. Use Central Core Plumbing	0		1		1	1		
No	<b>2. Install Only High Efficiency Toilets (Dual-Flush or ≤1.28 gpf)</b>	0					4		
Total Points Available in Plumbing = Total 11		0							
<b>H. HEATING, VENTILATION &amp; AIR CONDITIONING</b>			Points Available Per Measure						
No	<b>1. Design and Install HVAC System to ACCA Manual J, D, and S Recommendations</b> [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0		4					
<b>2. Install Sealed Combustion Units</b> [*Points automatically granted when project qualifies for measure J3: ES with IAQ]									
No	a. Furnaces	0			2				
No	b. Water Heaters	0			2				
No	<b>3. Install Zoned, Hydronic Radiant Heating</b>	0		1	1				
No	<b>4. Install High Efficiency Air Conditioning with Environmentally Responsible Refrigerants</b>	0	1						
<b>5. Design and Install Effective Ductwork</b> [*5b,d,e are automatically granted when project qualifies for measure J3: ES with IAQ]									
No	a. Install HVAC Unit and Ductwork within Conditioned Space	0			3				
No	b. Use Duct Mastic on All Duct Joints and Seams	0			1				
No	c. Install Ductwork under Attic Insulation (Bundled Ducts)	0			1				
No	d. Pressure Relieve the Ductwork System	0			1				
No	e. Protect Ducts during Construction and Clean All Ducts before Occupancy	0			1				
No	<b>6. Install High Efficiency HVAC Filter (MERV 6+)</b> [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0			1				
No	<b>7. Don't Install Fireplaces or Install Sealed Gas Fireplaces with Efficiency Rating NOT Less Than 60% using CSA Standards</b>	0			1				
<b>8. Install Effective Exhaust Systems in Bathrooms and Kitchens</b> [*8a,b,c are automatically granted when project qualifies for measure J3: ES with IAQ]									
No	a. Install ENERGY STAR Bathroom Fans Vented to the Outside	0			1				
No	b. All Bathroom Fans Are on Timer or Humidistat	0			1				
No	c. Install Kitchen Range Hood Vented to the Outside	0			1				
<b>9. Install Mechanical Ventilation System for Cooling (Max. 4 Points)</b>									
No	a. Install ENERGY STAR Ceiling Fans & Light Kits in Living Areas & Bedrooms	0		1					
No	b. Install Whole House Fan with Variable Speeds	0		1					
No	c. Automatically Controlled Integrated System	0		2					
No	d. Automatically Controlled Integrated System with Variable Speed Control	0		3					
<b>10. Install Mechanical Fresh Air Ventilation System (Maximum 3 Points)</b>									
No	a. Any Whole House Ventilation System That Meets ASHRAE 62.2	0			2				
No	b. Install Air-to-Air Heat Exchanger that meets ASHRAE 62.2 [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0		1	2				
No	<b>11. Install Carbon Monoxide Alarm(s)</b> [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0			1				
Total Points Available in Heating, Ventilation and Air Conditioning = 30		0							

Enter Project Name		Points Achieved	Community	Energy	IAQ/Health	Resources	Water	Blueprint Page No.	Notes	
<b>I. RENEWABLE ENERGY</b>			Points Available Per Measure							
No	1. Pre-Plumb for Solar Hot Water Heating	0		4						
No	2. Install Solar Water Heating System	0		10						
No	3. Install Wiring Conduit for Future Photovoltaic Installation & Provide 200 ft of South-Facing Roof	0		2						
4. Install Photovoltaic (PV) Panels										
No	a. 30% of electric needs OR 1.2 kW (total 6 points)	0		6						
No	b. 60% of electric needs OR 2.4kW (total 12 points)	0		6						
No	c. 90% of electric need OR 3.6 kW (total 18 points)	0		6						
Total Available Points in Renewable Energy = 28		0								
<b>J. BUILDING PERFORMANCE</b>			Points Available Per Measure							
1. Diagnostic Evaluations										
No	a. House Passes Blower Door Test [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0		1						
No	b. House Passes Combustion Safety Backdraft Test	0			1					
	2. Design and Build High Performance Homes - 15% above 2005 Title 24 - <b>Required</b>	0		≥30						
No	3. House Obtains ENERGY STAR with Indoor Air Package Certification - <b>Pilot Measure</b> (Total 45 points; read comment)	0			5	2				
Total Available Points in Building Performance = 39		0								
<b>K. FINISHES</b>			Points Available Per Measure							
No	1. Design Entryways to Reduce Tracked in Contaminants	0			1					
2. Use Low-VOC or Zero-VOC Paint (Maximum 3 Points)										
No	a. Low-VOC Interior Wall/Ceiling Paints (<50gpl VOCs (Flat) & <150gpl VOCs (Non-Flat))	0			1					
No	b. Zero-VOC: Interior Wall/Ceiling Paints (<5 gpl VOCs (Flat))	0			3					
No	3. Use Low VOC, Water-Based Wood Finishes (<250 gpl VOCs)	0			2					
No	4. Use Low-VOC Caulk and Construction Adhesives (<70 gpl VOCs) for All Adhesives	0			2					
No	5. Use Recycled-Content Paint	0				1				
6. Use Environmentally Preferable Materials for Interior Finish: A) FSC-Certified Wood, B) Reclaimed, C) Rapidly Renewable, D) Recycled-Content or E) Finger-Jointed										
No	a. Cabinets (50% Minimum)	0				1				
No	b. Interior Trim (50% Minimum)	0				1				
No	c. Shelving (50% Minimum)	0				1				
No	d. Doors (50% Minimum)	0				1				
No	e. Countertops (50% Minimum)	0				1				
7. Reduce Formaldehyde in Interior Finish (CA Section 01350)										
No	a. Subfloor & Stair Treads (90% Minimum)	0			1					
No	b. Cabinets & Countertops (90% Minimum)	0			1					
No	c. Interior Trim (90% Minimum)	0			1					
No	d. Shelving (90% Minimum)	0			1					
No	8. After Installation of Finishes, Test of Indoor Air Shows Formaldehyde Level <27ppb	0			3					
Total Available Points in Finishes = 21		0								
<b>L. FLOORING</b>			Points Available Per Measure							
1. Use Environmentally Preferable Flooring: A) FSC-Certified Wood, B) Reclaimed or Refinished, C) Rapidly Renewable, D) Recycled-Content, E) Exposed Concrete. Flooring Adhesives Must Have <70 gpl VOCs.										
No	a. Minimum 15% of Floor Area	0				1				
No	b. Minimum 30% of Floor Area	0				1				
No	c. Minimum 50% of Floor Area	0				1				
No	d. Minimum 75% of Floor Area	0				1				
No	2. Thermal Mass Floors: Floor Covering Other than Carpet on 50% or More of Concrete Floors	0		1						
No	3. Flooring Meets Section 01350 or CRI Green Label Plus Requirements (50% Minimum) [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0			2					
Total Available Points in Flooring = 7		0								
<b>M. APPLIANCES AND LIGHTING</b>			Points Available Per Measure							
1. Install Water and Energy Efficient Dishwasher										
No	a. ENERGY STAR (total 1 point)	0		1						
No	b. Dishwasher Uses No More than 6.5 Gallons/Cycle (total 2 points)	0					1			
2. Install ENERGY STAR Clothes Washing Machine with Water Factor of 6 or Less										
No	a. Meets Energy Star and CEE Tier 2 requirements (modified energy factor 2.0, Water Factor 6.0 or less) (total 3 points)	0		1			2			
No	b. Meets Energy Star and CEE Tier 3 requirements (modified energy factor 2.2, Water Factor 4.5 or less) (total 5 points)	0					2			
3. Install ENERGY STAR Refrigerator										
No	a. ENERGY STAR Qualified & < 25 Cubic Feet Capacity	0		1						
No	b. ENERGY STAR Qualified & < 20 Cubic Feet Capacity	0		1						
4. Install Built-In Recycling Center and Composting Center										
No	a. Built-In Recycling Center	0				2				
No	b. Built-In Composting Center	0				1				
Total Available Points in Appliances and Lighting = 12		0								
<b>N. OTHER</b>			Points Available Per Measure							
No	1. Incorporate GreenPoint Rated Checklist in Blueprints - <b>Required</b>	0				R				
No	2. Develop Homeowner Manual of Green Features/Benefits [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0		1	1		1			
Total Available Points in Other = 3		0								
<b>O. COMMUNITY DESIGN &amp; PLANNING (maximum 20 points in this section)</b>			Points Available Per Measure							
1. Develop Infill Sites										
No	a. Project is Located in a Built Urban Setting with Utilities in Place for Fifteen Years	0	1			1				
No	b. Development is Located within 1/2 Mile of a Major Transit Stop	0	2							

Enter Project Name		Points Achieved	Community	Energy	IAQ/Health	Resources	Water	Blueprint Page No.	Notes
<b>2. Cluster Homes &amp; Keep Size in Check</b>									
No	a. Cluster Homes for Land Preservation	0	1			1			
	b. Conserve Resources by Increasing Density (1 pt for every 5 u/a greater than 10 u/a) <b>Enter Project Density (In Units Per Acre)</b>	0	2			2			
No	c. Home Size Efficiency	0				9			
	<b>3. Subdivision Layout &amp; Orientation to Improve Natural Cooling and Passive Solar Attributes</b>	0	3	7					
<b>4. Design for Walking &amp; Bicycling</b>									
0	a. Pedestrian Access to Neighborhood Services within 1/4 Mile: 1) Community Center/Library; 2) Grocery Store; 3) School; 4) Day Care; 5) Medical; 7) Entertainment/Restaurants; 8) Post Office; 9) Place of Worship; 10) Bank; <b>Enter number of services</b>	0	2						
No	b. Development is Connected with A Dedicated Pedestrian Pathway to Places of Recreational Interest within 1/2 mile	0	1						
No	c. At Least Two of the Following Traffic-Calming Strategies: - Designated Bicycle Lanes are Present on Roadways; - Ten-Foot Vehicle Travel Lanes; - Street Crossings Closest to Site are Located Less Than 300 Feet Apart; - Streets Have Rumble Strips, Bulbouts, Raised Crosswalks or Refuge Islands	0	2						
<b>5. Design for Safety &amp; Social Gathering</b>									
No	a. All Home Front Entrances Have Views from the Inside to Outside Callers	0	1						
No	b. All Home Front Entrances Can be Seen from the Street and/or from Other Front Doors	0	1						
No	c. Orient Porches (min. 100sf) to Streets and Public Spaces	0	1						
<b>6. Design for Diverse Households</b>									
No	a. All Homes Have at Least One Zero-Step Entrance	0	1						
No	b. All Main Floor Interior Doors & Passageways Have a Minimum 32-Inch Clear Passage Space	0	1						
No	c. Locate at Least a Half-Bath on the Ground Floor with Blocking in Walls for Grab Bars	0	1						
No	d. Provide Full-Function Independent Rental Unit	0	1						
	<b>Total Achievable Points in Community Design &amp; Planning = 20</b>	0							
<b>P. INNOVATION (maximum 20 points in this section)</b>			Possible Points						
<b>A. Site</b>									
No	1. Reduce Heat-Island Effect - Install light-colored, high albedo materials (solar reflectance index >= 0.3) for at least 50% of site's non-roof impervious surfaces	0	1						
No	2. Build on Designated brownfield site	0	3						
<b>B. Foundation</b> [*Points automatically granted when project qualifies for measure J3: ES with IAQ]									
No	1. Install a Foundation Drainage System	0			2				
No	2. Sealed and Moisture Controlled Crawlspace	0		2					
<b>C. Landscaping</b>									
No	1. Meets Bay-Friendly Landscape Program Requirement (mutually exclusive with P.C.2)	0				4			
No	2. Meets California-Friendly Landscape Program Requirement	0				4			
No	3. Rain Water Harvesting System (1 point for <350 gallons, 2 points for > 350 gallons)	0				2			
No	a. Less than 350 gallon capacity	0				1			
No	b. Greater than 350 gallon capacity	0				2			
No	4. Assess Site Climate, Exposure, Topography, and Drainage	0				1			
No	5. Perform a Soil Analysis	0				1			
No	6. Irrigation System Uses Recycled Wastewater	0				1			
No	7. FSC Certified, Recycled Plastic or Composite Lumber - Fencing: 70%	0			1				
<b>D. Structural Frame and Building Envelope</b>									
1. Design, Build and Maintain Structural Pest and Rot Controls									
No	a. Locate All Wood (Siding, Trim, Structure) At Least 12" Above Soil	0			1				
No	b. All Wood Framing 3 Feet from the Foundation is Treated with Borates (or Use Factory-Impregnated Materials) OR Walls are Not Made of Wood	0		1					
No	2. Use Moisture Resistant Materials in Wet areas of Kitchens, Bathrooms, Utility Rooms, and Basements [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0		1					
3. Use FSC Certified Engineered Lumber (3 points maximum)									
No	a. Beams and Headers	0			1				
No	b. Insulated Engineered Headers	0			1				
No	c. Wood I-Joists or Web Trusses for Floors	0			1				
No	d. Wood I-Joists for Roof Rafters	0			1				
No	e. Engineered or Finger-Jointed Studs for Vertical Applications	0			1				
No	f. Roof Trusses: 100%	0			1				
4. FSC Certified Wood									
No	a. Dimensional Lumber, Sluds and Timber: 100%	0			2				
No	b. Panel Products: 100%	0			2				
<b>E. Exterior Finish</b>									
No	1. Green Roofs (25% of roof area minimum)	0	1	1					
No	2. Flashing Installation Techniques Specified [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0			1				
<b>F. Insulation</b>									
<b>G. Plumbing</b>									
No	1. Graywater Pre-plumbing (includes washing machine at minimum)	0				1			
No	2. Graywater System Operational (includes washing machine at minimum)	0				2			
No	3. Innovative Wastewater Technology (Constructed Wetland, Sand Filter, Aerobic System)	0				1			
No	4. Composting or Waterless Toilet	0				2			
No	5. Install Drain Water Heat-recovery System	0		1					
6. Install Water Efficient Fixtures									
No	a. Showerheads or Shower Towers Use <2.0 Gallons Per Minute (GPM) Total	0				1			
No	b. Faucets - bathrooms <1.5 gpm	0				1			
No	c. Faucets - Kitchen & Utility <2.0 gpm	0				1			
<b>H. Heating, Ventilation, and Air Conditioning</b>									
No	1. Humidity Control Systems (only in California humid/marine climate zones 1,3,5,6,7)	0			1				

Enter Project Name		Points Achieved	Community	Energy	IAQ/Health	Resources	Water	Exempt Page No.	Notes
<b>I. Renewable Energy</b>									
No	1. Exceeding Passive Solar Design (> 50% of load) That is Not Already Reflected in T-24 Modeling	0		5					
<b>J. Building Performance</b>									
No	1. Test Total Supply Air Flow Rates	0		1					
2. Energy Analysis Design Review									
No	a. Title-24 prepared and signed by CABEC Certified Energy Analyst	0		1					
No	b. Participation in utility incentive program	0		1					
<b>K. Finishes</b>									
1. Use Environmentally Preferable Materials for Interior Finishes									
No	a. Cabinets (80% minimum)	0				1			
No	b. Interior Trim (80% minimum)	0				1			
No	c. Shelving (80% minimum)	0				1			
No	d. Doors (80% minimum)	0				1			
No	e. Countertops (80% minimum)	0				1			
<b>L. Flooring</b>									
No	1. Flooring Meets Section 01350 or CR1 Green Label Plus Requirements (80% Minimum) [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0			1				
<b>M. Appliances</b>									
<b>N. Other</b>									
No	1. Homebuilder's Management Staff are Certified Green Building Professionals	0	1						
No	2. Detailed Durability Plan [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0				2			
No	3. Third-Party Verification of Implementation of Durability Plan	0				2			
0	4. Materials Sourced, Processed and Manufactured Within a 500 Mile Radius of the Home	0	1+						
No	5. Comprehensive Owner's Manual and Homeowner Educational Walkthroughs	0		1					
6. Additional Innovations: Points to be assessed by Build It Green and GreenPoint Rated.									
No	a. Describe Innovation Here, and Enter Possible Points in Columns L-P	0							
No	b. Describe Innovation Here, and Enter Possible Points in Columns L-P	0							
No	c. Describe Innovation Here, and Enter Possible Points in Columns L-P	0							
No	d. Describe Innovation Here, and Enter Possible Points in Columns L-P	0							
No	e. Describe Innovation Here, and Enter Possible Points in Columns L-P	0							
No	f. Describe Innovation Here, and Enter Possible Points in Columns L-P	0							
No	g. Describe Innovation Here, and Enter Possible Points in Columns L-P	0							
No	h. Describe Innovation Here, and Enter Possible Points in Columns L-P	0							
Total Achievable Points in Innovation = 20		0							
<b>Summary</b>									
Total Available Points in Specific Categories			32+	125+	51+	103+	71+		
Minimum Points Required in Specific Categories			0	30	5	6	9		
<b>Total Points Achieved</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		

**Project has not yet met the following recommended minimum requirements:**

- Total Project Score of At Least 50 Points
- Required measures:
  - A3a: 50% waste diversion by weight
  - J2: 15% above Title 24
  - N1: Incorporate GreenPoint Rated Checklist into blueprints
- Minimum points in specific categories:
  - Energy (30 points)
  - IAQ/Health (5 points)
  - Resources (6 points)
  - Water (9 points)

# **APPENDIX B**

## **Moraga Design Guidelines**

### **Planting Palettes from the Moraga Transportation Corridor Streetscape Plan and Drought Tolerant, Fire Resistant Native Trees and Shrubs**

# Planting and Character

## Moraga Character

The Town of Moraga is nestled in rolling California hills. It has a sense of place, connected to its natural setting. It has a semi-rural feel, characterized by the use of natural materials, such as stone and wood, the predominance native plants. Beautification projects should build aspects of Moraga’s identity. The images on this page show examples existing elements in the Town.

## Plant palettes

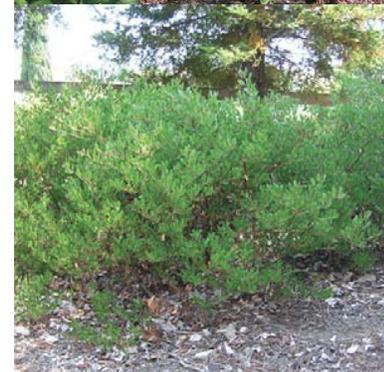
The Town of Moraga is characterized by predominantly native. The use of natives has numerous advantages and benefits, including:

- Integrating the community into the natural surroundings
- Suitability to the local climate and soil conditions
- Lower water and maintenance requirements
- Habitat value
- Emphasizing and highlighting Moraga’s “sense of place”

The Town of Moraga encourages planting of native species over non-species and encourages applicants to refer to the Native Plant Society at [www.nps.org](http://www.nps.org) to check that the plants that you select are not invasive

Plantings for the Moraga area fall within several general groupings or “palettes,” which may be appropriate in different contexts. In some circumstances, it may be appropriate to use non-native plants that are horticulturally compatible with Moraga’s climate and soils. For non-natives may be more suitable as street trees planted in sidewalk or as accent planting at commercial areas.

The following pages give examples of plant palettes appropriate for Moraga’s scenic corridors.



distinct and is and by on these of

plantings.

native website species.

example, cutouts,

use along

## Oak Palette

The oak palette is the predominant plant grouping which occurs naturally in the Moraga area. Plants from this group are appropriate on hillside locations, sunny open areas, and along the tops of stream banks. Excessive water during the normally dry summer periods may cause root fungus in oaks, so they should not be planted adjacent to lawns or other areas that will be watered regularly during summer months.

### OAK PALETTE

Scientific Name	Common Name	Deer Resistant	Native Plant	Low Water	Maintenance
<b>Tree</b>					
<i>Aesculus californica</i>	California Buckeye	•	•	•	L*
<i>Cercis occidentalis</i>	Western redbud	•	•	•	L*
<i>Quercus agrifolia</i>	Coast Live Oak	•	•	•	L*
<i>Quercus illex</i>	Holly Oak	•		•	L*
<i>Quercus suber</i>	Cork Oak	•		•	L*
<b>Shrubs</b>					
<i>Arbutus unedo</i> 'Compacta'	Strawberry Tree	•		•	L
<i>Arctodaphylos</i> spp.	Manzanita	•	•	•	L
<i>Arctostaphylos</i>	Vine Hill Manzanita		•	•	L
<i>Berberis</i> spp.		•	•		L
<i>Carpenteria californica</i>	Bush Anemone		•	•	L
<i>Ceanothus</i> spp.	Wild Lilac	•	•	•	L
<i>Cistus</i> sp.	Rockrose	•		•	L
<i>Correa</i> sp.	Australian Fuchsia	•		•	L
<i>Cotoneaster</i> 'Low Fast'	Bearberry Cotoneaster	•		•	L
<i>Dendromecon harfordii</i>	Island Bush Poppy		•	•	L
<i>Eriogonum</i> species	Wild Buckwheat	•	•	•	L
<i>Fragaria</i> spp.	Ornamental Strawberry	•	•		L
<i>Fremontodendron</i> cvs	Flannel Bush	•	•	•	L
<i>Garrya elliptica</i>	Coast Silktassel	•	•	•	L
<i>Heteromeles arbutifolia</i>	California Holly	•	•	•	L
<i>Myrica californica</i> 'Compacta'	Pacific Wax Myrtle	•	•	•	L
<i>Prunus ilicifolia</i>	Hollyleaf Cherry		•	•	L
<i>Prunus lyonii</i>	Catalina Cherry		•	•	L
<i>Rhamnus californica</i> 'Eve Care'	Coffeeberry	•	•	•	L
<i>Rhamnus crocea</i>	Redberry	•	•	•	L
<i>Rhus integrifolia</i>	Lemonade Berry	•	•	•	L
<i>Rhus ovata</i>	Sugar Bush	•	•	•	L
<i>Ribes indecorum</i>	White Flowering Currant	•	•	•	L
<i>Ribes malvaceum</i>	Chaparral Currant	•	•	•	L
<i>Ribes</i> spp.	Currant, Gooseberry	•	•	•	L
<i>Sarcococca ruscifolia</i>		•			L
<i>Salvia clevelandii</i>	California Blue Sage	•	•	•	L
<b>Low Shrubs</b>					
<i>Arctostaphylos edmundsii</i> & cvs	Little Sur Manzanita	•	•	•	L
<i>Arctostaphylos hookeri</i> & cvs	Monterey Manzanita	•	•	•	L
<i>Baccharis pilularis</i> cvs	Dwarf Coyote Brush	•	•	•	L
<i>Ceanothus griseus horizontalis</i>	Carmel Creeper	•	•	•	L
<i>Ceanothus</i>			•	•	L

L: Low maintenance - annual cleanup

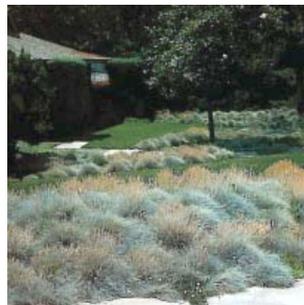
L\*: Annual pruning first two years to establish proper branching habit

AM: Annual mowing or cutback

AP: Annual pruning

HP: Multiple prunings per year

Correa pulchella		•	•		L
Cotoneaster dammeri 'Lowfast'	Bearberry Cotoneaster	•		•	L
Cotoneaster salicifolius 'Repens'	Willowleaf Cotoneaster	•		•	L
Cotoneaster spp.	Cotoneaster	•		•	L
Galvezia speciosa	Island Bush Snapdragon		•	•	L
Keckiella cordifolia			•	•	L
Mahonia aquifolium 'Compacta'	Oregon Grape	•	•		L
Myrtus communis	Myrtle	•		•	L
Ribes speciosum	Fuchsia-Flowering Gooseberry				L
Ribes viburnifolium	Catalina Perfume, Everbreen Currant	•	•	•	L
Santolina		•			L
Sollya heterophylla	Australlian Bluebell Creeper	•		•	L
Symphoricarpos spp.	Snowberry, Coralberry	•	•	•	L
<b>Perennials</b>					
Mimulus spp.	Sticky Monkey Flower	•	•	•	L
Heuchera maxima & hybrids	Island Alum Root	•	•		L
Iris douglasiana		•	•		L
Penstemon heterophylla		•	•		L
Penstemon species	Beard Tongue	•	•		L
Romneya coulteri & ciltivars	Matilija Poppy	•	•	•	L
Salvia spp.	Sage	•		•	L
<b>Grass</b>					
Muhlenbergia rigens	Deer Grass	•	•	•	AM
<b>Ground Cover</b>					
Erigeron Karvinskianus	Santa Barbara Daisy			•	AM
Fragaria spp.			•	•	L
Geranium spp.		•		•	L
Rubus pentalobus	Bramble				L



## Redwood Palette

The redwood palette is appropriate in canyon and valley settings. Redwoods need summer irrigation at least for the first 5 years, and hot dry locations inhibit their growth.'

### REDWOOD PALETTE

Scientific Name	Common Name	Deer Resistant	Native Plant	Low Water	Maintenance
<b>Tree</b>					
<i>Acer circinatum</i>	Vine Maple	•	•		L*
<i>Acer macrophyllum</i>	Big Leaf Maple		•		L*
<i>Arbutus menziesii</i>	Madrone, Madrona	•	•	•	L*
<i>Cercis occidentalis</i>	Western Redbud	•	•	•	L*
<i>Cornus canadensis</i>	Dogwood			•	L*
<b>Large Shrub</b>					
<i>Calycanthus occidentalis</i>	Spice Bush	•	•	•	L
<i>Philadelphus lewisii</i>	Wild Mock Orange		•	•	L
<i>Rhododendron</i> spp.		•	•		AP
<i>Ribes sanguineum</i>		•	•		L
<i>Ribes</i> spp. ( <i>aureum</i> , <i>viburnifolium</i> , <i>speciosum</i> )	Currant, Gooseberry	•	•	•	L
<i>Woodwardia fimbriata</i>	Giant Chain Fern	•	•		L

<b>Small Shrub</b>					
<i>Anemone hybrida</i>	Japanese Anemone	•			L
<i>Carpenteria californica</i>	Bush Anemone	•	•	•	L
<i>Gaultheria shallon</i>	Salal	•	•	•	L
<b>Perennials</b>					
<i>Brunnera macrophylla</i>	Brunnera				L
<i>Dicentra formosa</i>	Western Bleeding Heart	•	•		L
<i>Helleborus</i> spp.		•			L
<i>Heuchera</i> spp.	Coral Bells, Alum Root	•	•	•	L
<i>Helichrysum petiolare</i>	Licorice Plant	•			L
<b>Ground Cover</b>					
<i>Asarum caudatum</i>	Wild Ginger		•		L
<i>Bergenia</i> spp.		•			L
<i>Fragaria</i> spp.	Ornamental Strawberry	•	•		L
<i>Iris douglasiana</i>		•	•	•	L
<i>Lamium maculatum</i>	Spotted Nettle				L
<i>Oxalis oregana</i>	Redwood Sorrel, Oregon Oxalis		•		L
<i>Polystichum munitum</i>	Sword Fern	•	•		L
<i>Symphoricarpos</i> spp.	Snowberry, Coralberry	•	•	•	L
<b>Grass</b>					
<i>Carex</i> spp.	Sedge	•	•		AM
<i>Juncus</i> spp.	Rush	•	•		AM

L: Low maintenance - annual cleanup

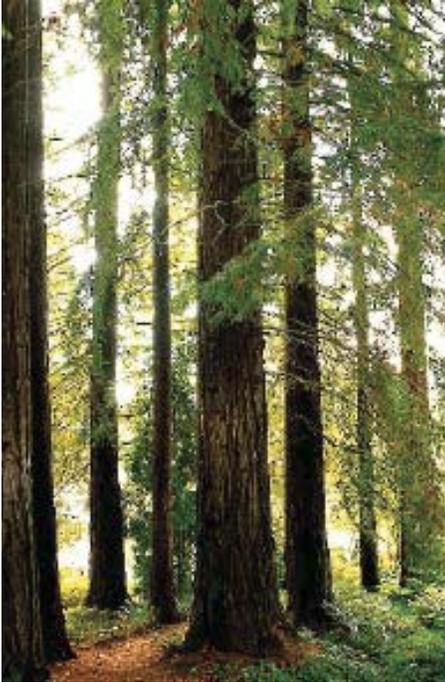
L\*: Annual pruning first two years to establish proper branching habit

AM: Annual mowing or cutback

AP: Annual pruning

HP: Multiple prunings per year

**REDWOOD PALETTE**



## Traditional Palette

Many non-native plants commonly used in landscape applications are well suited for Moraga’s climate, and may be appropriate where particular shapes, forms, or colors are desired. This traditional palette may be appropriate in commercial areas, or along streetscapes with a more suburban feel. They often add color and interest and may be used for emphasizing focal areas.

### TRADITIONAL PALETTE

Scientific Name	Common Name	Deer Resistant	Native Plant	Low Water	Maintenance
<b>Tree</b>					
Fraxinus oxycarpa 'Raywood'	Raywood Ash				L*
Magnolia grandiflora	Southern Magnolia	•			L*
Pistachia chinensis	Chinese Pistache	•			L*
Prunus 'Krauter Vesuvius'	Flowering Plum				L*
Pyrus calleryana 'Bradford'	Bradford Pear				L*
Robinia ambigua 'Idahoensis'	Idaho Locust				L*
Ulmus parvifolia	Chinese Elm				L*
<b>Medium Shrubs</b>					
Arbutus unedo 'Compacta'	Compact Strawberry Bush	•		•	AP
Callistemon 'Little John'	Dwarf Bottlebrush	•		•	L
Cistus sp.	White Rock Rose	•		•	L
Coleonema spp.	Breath of Heaven			•	L
Daphne odora	Winter Daphne	•		•	L
Dietes vegeta	African Iris	•			L
Escallonia sp.	Escallonia			•	L
Euryops pectinatus		•		•	L
Gaura lindheimerii	Gaura				L
Grevillea 'Noelii'		•		•	L
Lavandula sp.	Lavender	•		•	L
Myrtus communis	Myrtle	•		•	AP
Nandina domestica	Heavenly Bamboo			•	L
Perovskia atriplicifolia	Russian Sage	•		•	L
Phormium tenax sp	New Zealand Flax	•		•	L
Pittosporum tobira 'Wheeler's Dwarf'	Dwarf Mock Orange			•	L
Teucrium fruticans	Bush Germander	•		•	L
Viburnum tinus	Laurustinus				AP

<b>Low Shrubs</b>					
Agapanthus sp.	Lily of the Nile	•			L
Buxus microphylla var. japonica	Japanese Boxwood				HP
Carex sp.	Sedge		•		L
Coreopsis spp.	Coreopsis				L
Correa sp.	Australian Fuchsia			•	L
Geranium spp.	Hardy Scented Geranium				L
Hemerocallis evergreen	Day Lily	•			L
Heuchera sanguinea	Coral Bells		•	•	L
Iris douglasiana	Pacific Coast Iris	•	•		L
Kniphofia uvaria	Devil's Poker/Red Hot Poker			•	L
Lantana sp.	Lantana			•	L
Limonium perezii	Statice			•	L
Liriope muscari	Lily Turf	•		•	L
Muhlenbergia rigens	Deer Grass	•	•		L
Myrtus communis 'Compacta'	Dwarf Myrtle	•		•	AP
Nepeta sp.	Catnip	•		•	L
Penstemon sp.	Penstemon	•	•		L
Santolina sp.	Lavender Cotton	•		•	L
Scaevola 'Mauve Clusters'	Fan Flower			•	L
Stipa sp.	Needle Grass	•		•	L
Teucrium chamaedrys	Germander	•		•	L
Tulbaghia violacea 'Silver Lace'	Society Garlic	•			L
Viburnum tinus compacta	Viburnum				AP

<b>Groundcovers</b>					
Acacia redolens		•		•	L
Ajuga reptans	Carpet Bugle	•			L
Carpobrotus	Sea Fig	•		•	L
Ceanothus sp.	California Lilac	•	•	•	L
Ceratostigma plumbaginoides	Dwarf Plumbago	•		•	L
Coprosoma kirkii 'Verde Vista'	Prostrate Mirror Plant	•		•	L
Cotoneaster 'Low Fast'	Cotoneaster	•		•	L
Delosperma alba	White Trailing Ice Plant	•		•	L
Drosanthernum floribundum rosea	Ice Plant	•		•	L
Erigeron karvinskianus	Santa Barbara Daisy	•	•	•	AM
Festuca glauca	California Fescue	•	•	•	AM
Gazania	Orange Gazania				L
Myoporum parvifolium prostrate	Myoporum			•	L
Oenothera speciosa childsii	Mexican Evening Primrose			•	L
Osteospermum fruticosum	African Daisy	•		•	AM
Rosa 'Carpet Rose'	Carpet Rose				L
Rosmarinus officinalis	Rosemary	•		•	L
Trachelospermum asiaticum	Asiatic Jasmine				L
Trachelospermum jaminoides	Star Jasmine	•			AM
Vinca minor	Dwarf Periwinkle				L
Viola labradorica			•		L

**TRADITIONAL PALETTE**



## Grasses and Bioswale

Bioswale planting must be adaptable to high moisture during winter months as well as dry summer conditions. The bioswale and grass palette includes plants that help filter stormwater runoff. Many are seasonal grasses that will turn dry in summer months without supplemental irrigation, as do Moraga’s grassy hillsides.

### BIOSWALES

Scientific Name	Common Name	Deer Resistant	Native Plant	Low Water	Maintenance
<i>Acorus gramineus</i>	Japanese Sweet Flag	•			L
<i>Carex</i> spp.	Sedge	•	•	•	L
<i>Hemerocallis</i> spp.	Daylily	•		•	L
<i>Juncus</i> spp.	Rush		•		L
<i>Molinia caerulea</i> 'Moor Flamme', 'Varigata'	Moor Grass	•			L
<i>Panicum virgatum</i>	Switch Grass	•			L

### SWALES & GRASSES



## Drought Tolerant, Fire Resistant, Native Tree and Shrub Species

Native Trees	
California Buckeye ( <i>Aesculus californica</i> )	California Sycamore ( <i>Platanus racemosa</i> )
Incense-cedar ( <i>Calocedrus decurrens</i> )	Hollyleaf Cherry ( <i>Prunus ilicifolia</i> )
Western Redbud ( <i>Cercis occidentalis</i> )	Blue Oak ( <i>Quercus douglasii</i> )
Mountain Mahogany ( <i>Cercocarpus</i> )	California Black Oak ( <i>Quercus kelloggii</i> )
Desert Willow ( <i>Chilopsis linearis</i> )	Valley Oak ( <i>Quercus lobata</i> )
Ash ( <i>Fraxinus</i> )	Sumac ( <i>Rhus parvifolia</i> )
Toyon ( <i>Heteromeles arbutifolia</i> )	Elderberry ( <i>Sambucus mexicana</i> )
Catalina Ironwood ( <i>Lyonothamnus floribundus</i> )	California Redwood ( <i>Sequoia semperviens</i> )
Pacific Wax Myrtle ( <i>Myrica californica</i> )	

Native Shrubs	
California Buckeye ( <i>Aesculus californica</i> )	Mahonia ( <i>Mahonia repens</i> )
Manzanita ( <i>Arctostaphylos</i> )	Bush Mallow ( <i>Malacothamnus</i> )
Artemesia ( <i>Artemesia</i> )	Wax Myrtle ( <i>Myrica</i> )
Saltbrush ( <i>Atriplex</i> )	Wild Mock Orange ( <i>Philadelphus lewisii</i> )
Bush Anemone ( <i>Carpenteria</i> )	Hollyleaf Cherry ( <i>Prunus ilicifolia</i> )
California Lilacs ( <i>Ceanothus</i> )	Oak ( <i>Quercus</i> )
Western Redbud ( <i>Cercis occidentalis</i> )	Rhamnus ( <i>Rhamnus</i> )
Mountain Mahogany ( <i>Cercocarpus</i> )	Sumac ( <i>Rhus parvifolia</i> )
Desert Willow ( <i>Chilopsis linearis</i> )	Currant ( <i>Ribes</i> )
Bush Poppy ( <i>Dendromecon rigida</i> )	Rose ( <i>Rosa</i> )
Encelia ( <i>Encelia</i> )	Bramble ( <i>Rubus</i> )
Flannel Bush ( <i>Fremontodendron</i> )	Sage ( <i>Salvia</i> )
Silktassel ( <i>Garrya</i> )	Elderberry ( <i>Sambucus</i> )
Toyon ( <i>Heteromeles arbutifolia</i> )	Solanum ( <i>Solanum</i> )
Cream Bush ( <i>Holodiscus</i> )	Snowdrop Bush ( <i>Styrax</i> )
Tree Mallow ( <i>Lavatera assurgentifolia</i> )	Snowberry ( <i>Symphoricarpos</i> )
Pitcher Sage ( <i>Lepechinia</i> )	Woolly Blue Curls ( <i>Trichostema</i> )
Lupine ( <i>Lupinus</i> )	

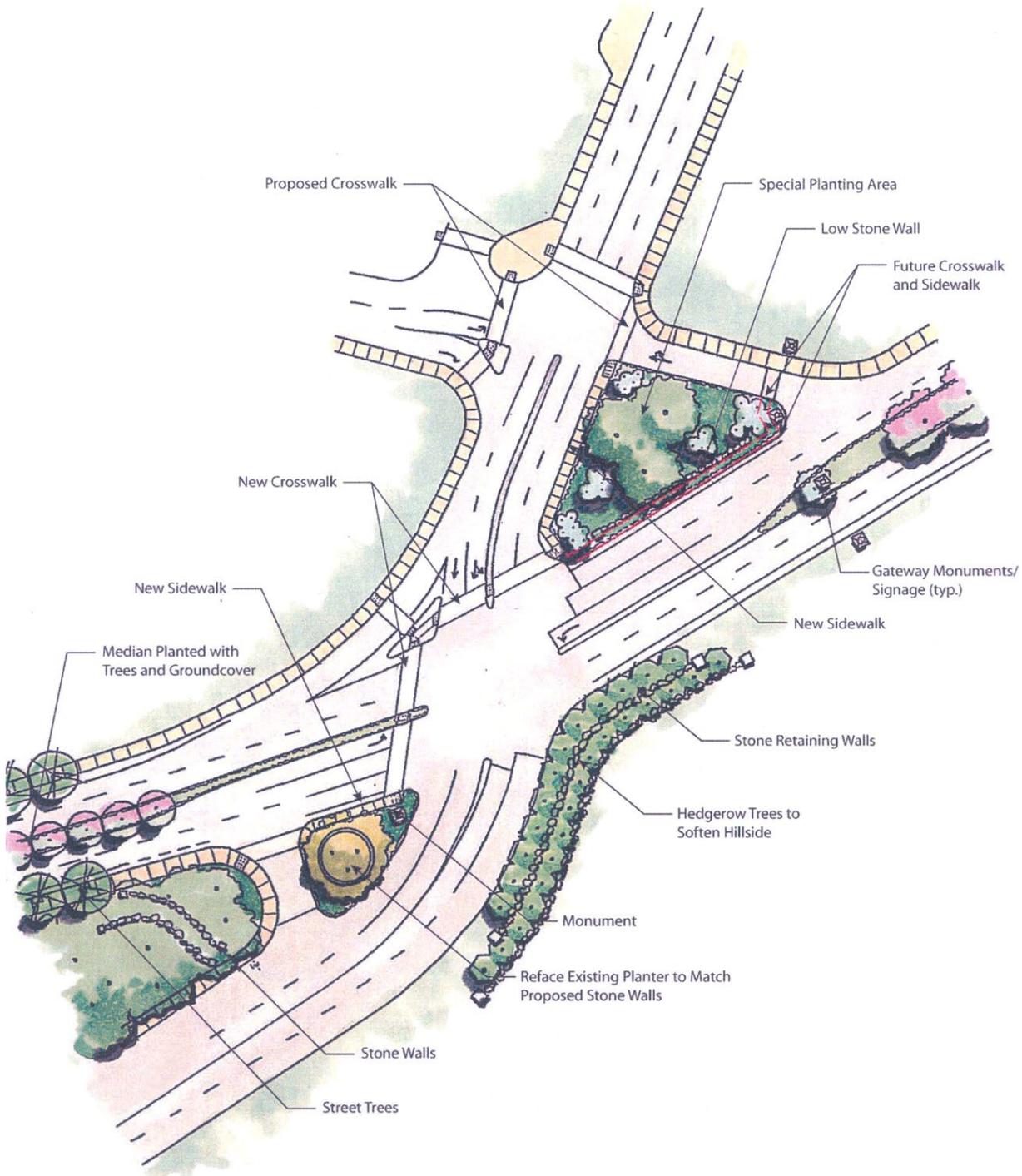
# **APPENDIX C**

## **Moraga Design Guidelines**

### **Street and Roadway Enhancement From the Moraga Transportation Corridor Streetscape Plan**

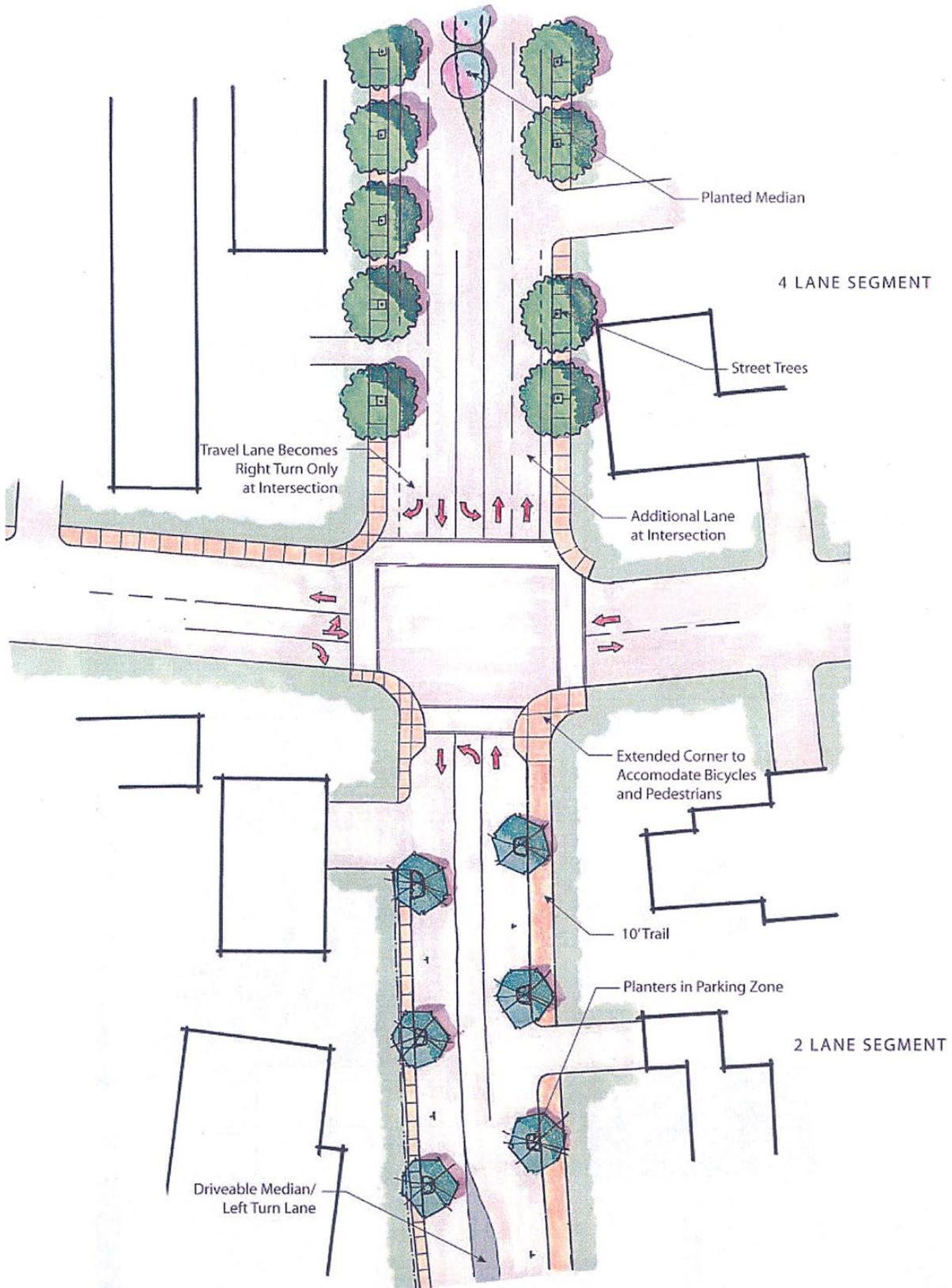
This appendix addresses desired types of improvements to Moraga's street and roadway corridors in the context of Moraga's semi-rural character. Using Moraga Road as a template, this appendix offers measures to add aesthetic enhancements, increase planting, provide biological storm water treatment where feasible, and enhance pedestrian and bicycle connections and safety. These should be applied along the scenic corridors, as well as at other locations throughout Moraga.

### Example of an Intersection of Two Four Lane Roads

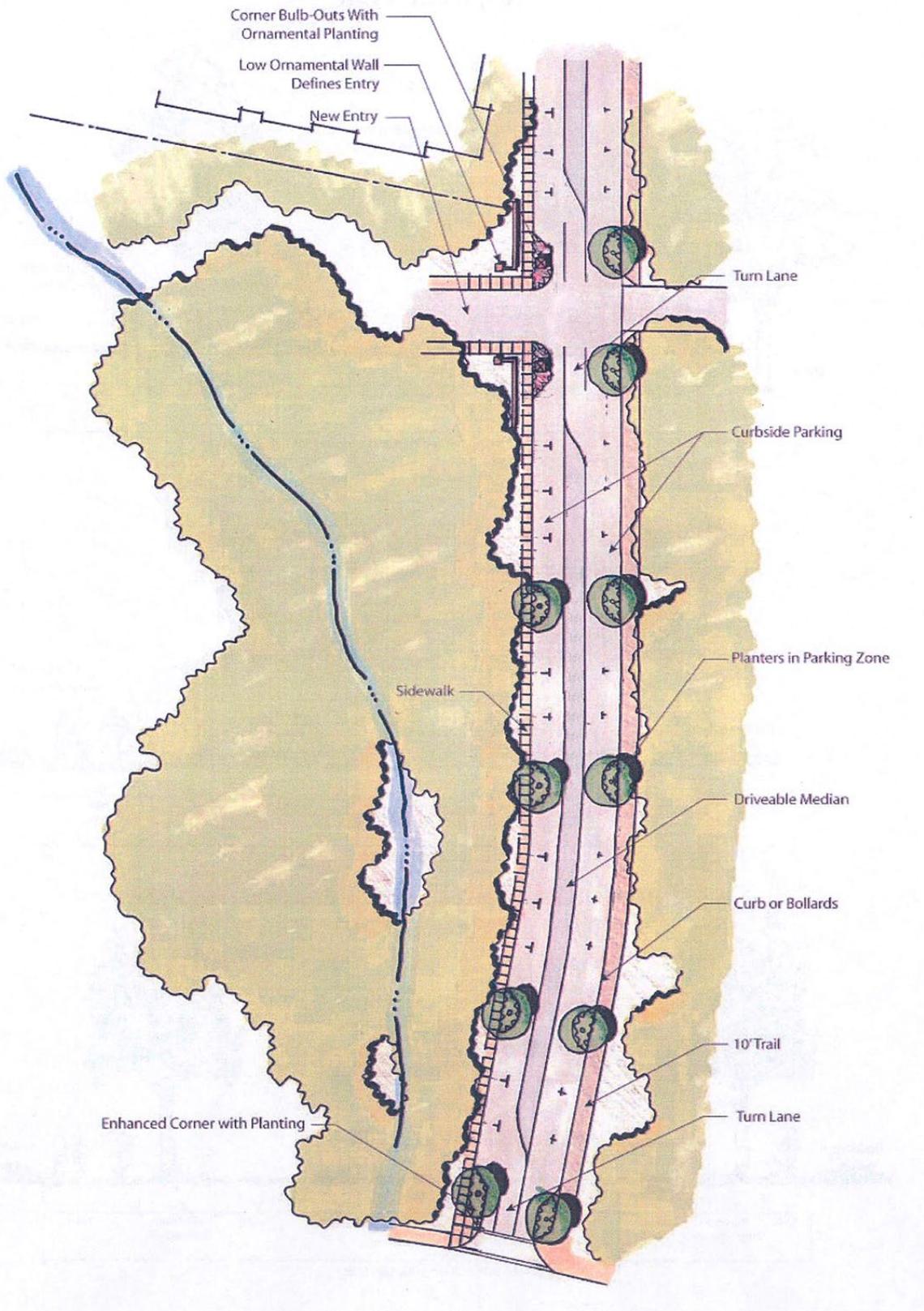




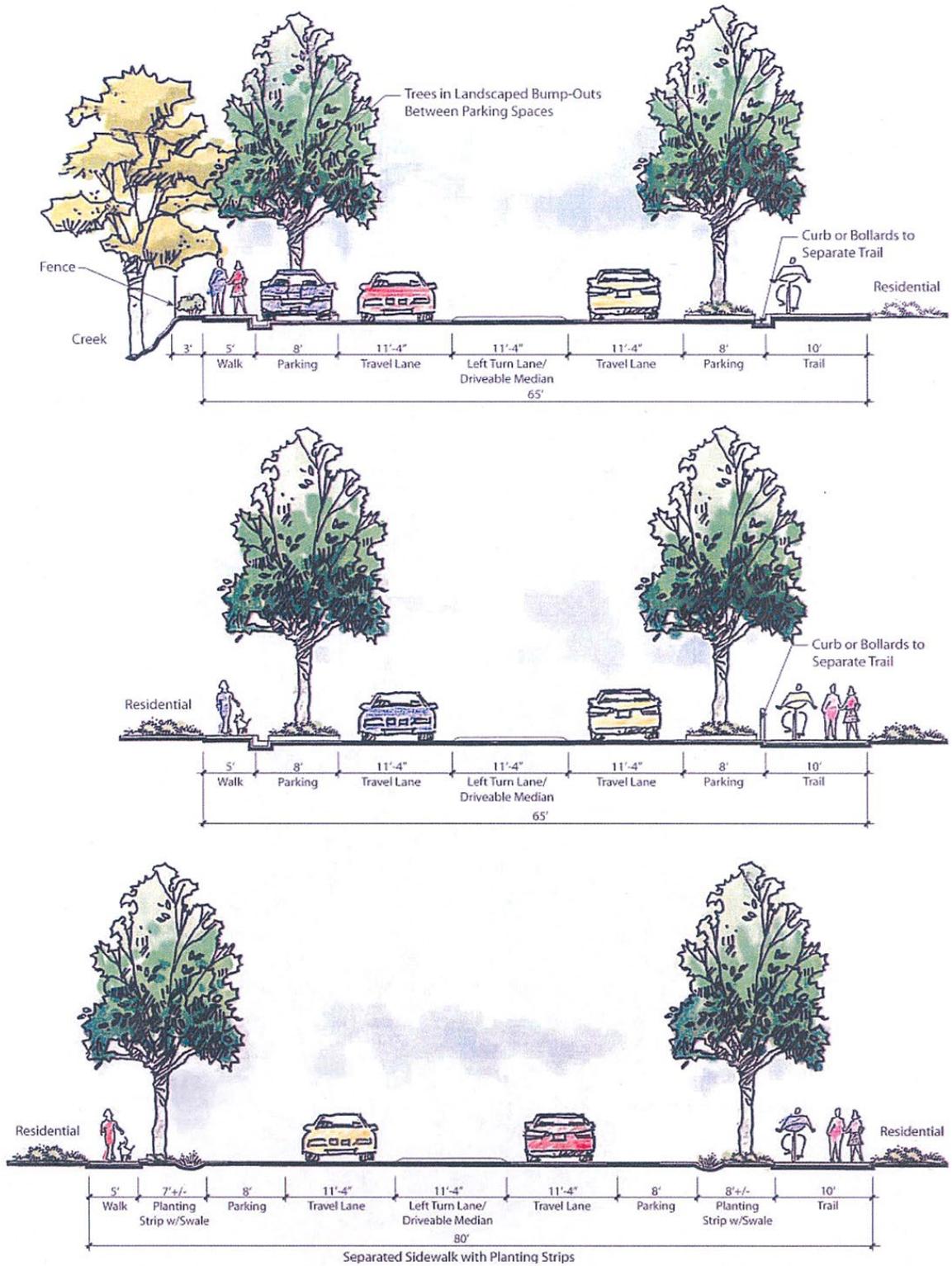
# Example of an Intersection with a Four to Two Lane Transition



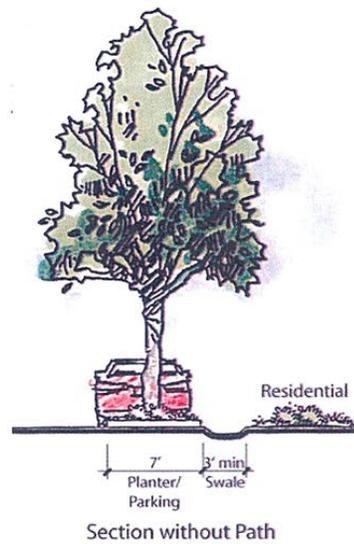
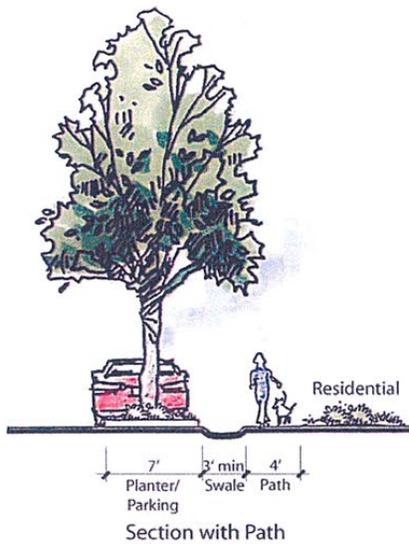
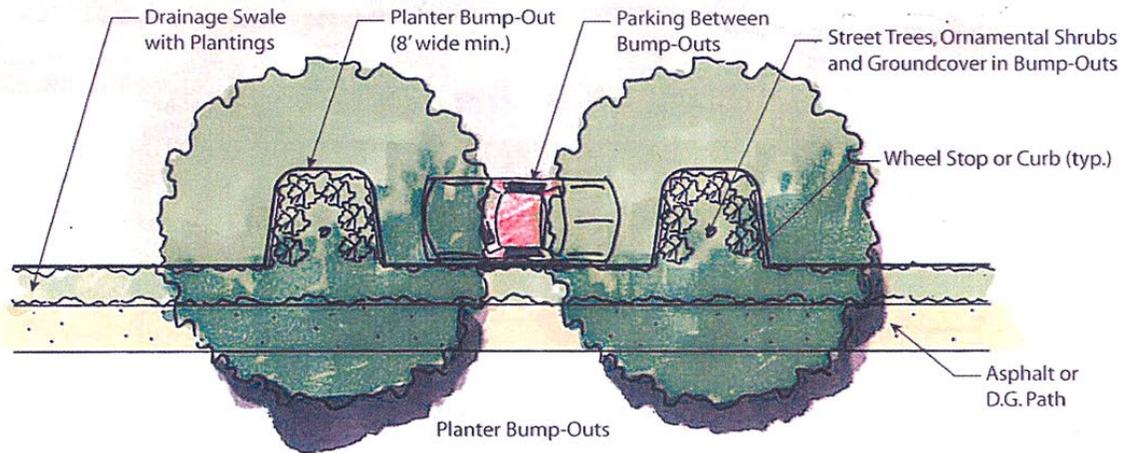
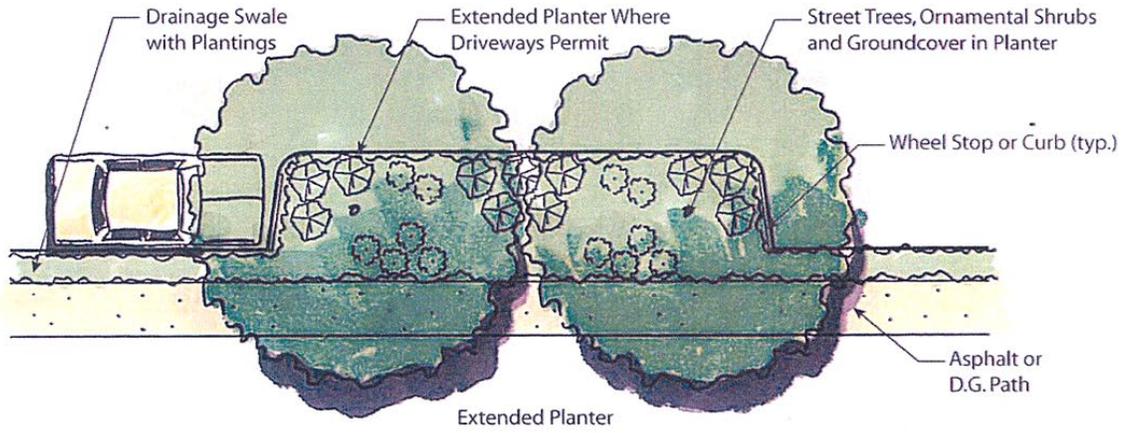
# Example of a Two Lane Road with Drivable Turn Lane/Median and Adjacent Trail



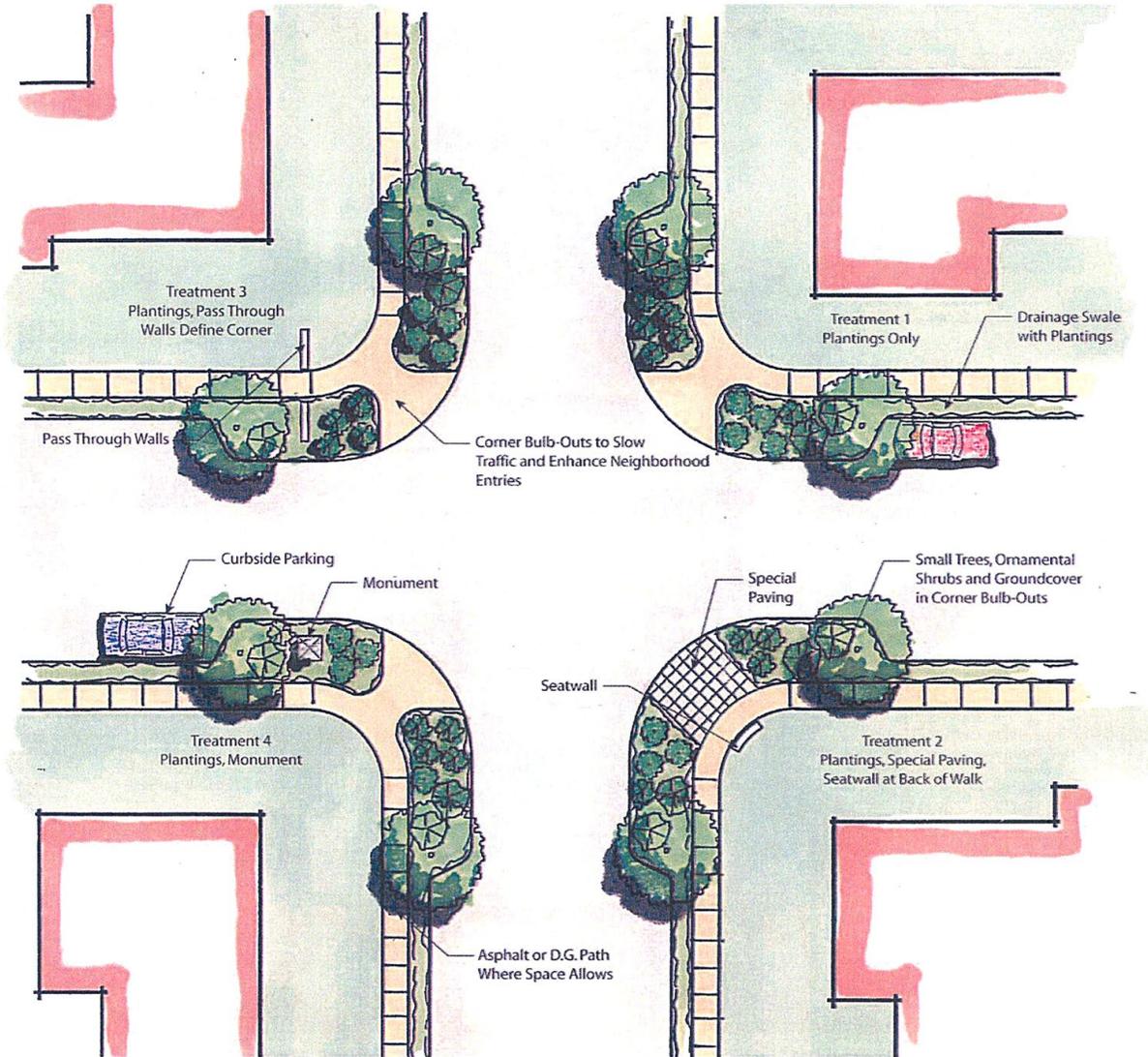
# Examples of a Two Lane Road with Drivable Turn Lane/Median and Adjacent Trail



# Example of Planters in the Parking Zone

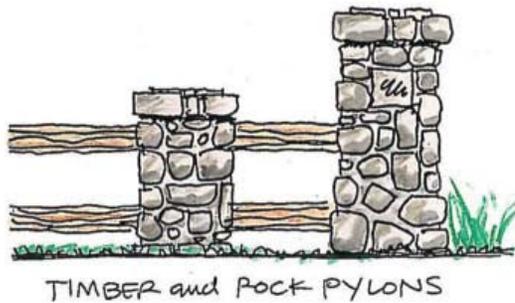
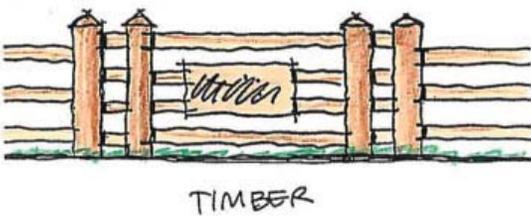
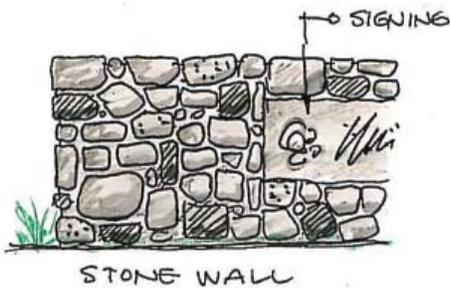
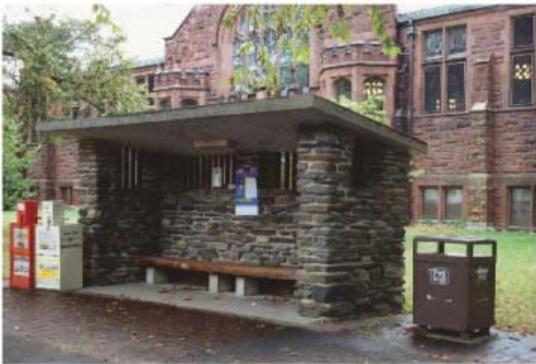
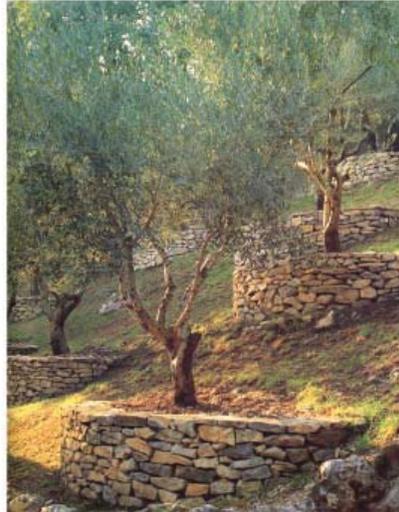


# Example of Residential Corner Options



## Example Site Elements

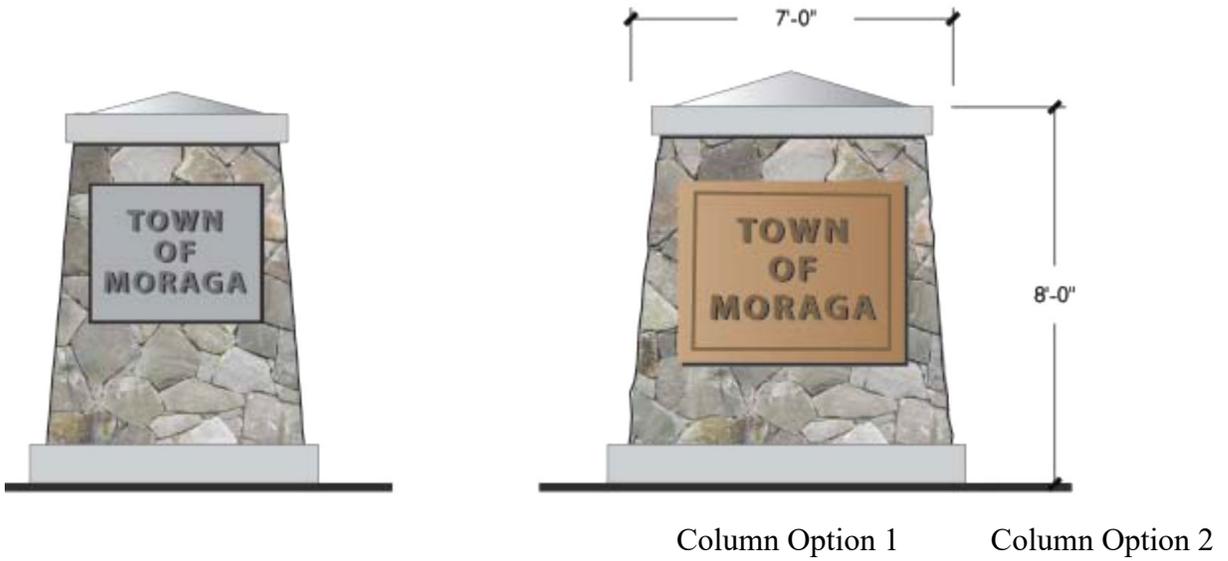
Hardscape elements and site furnishings should reflect Moraga's semi-rural character. Use of natural material, particularly stone, is appropriate. The following pages show examples of site elements and furnishings that may be compatible with Moraga's sense of place.



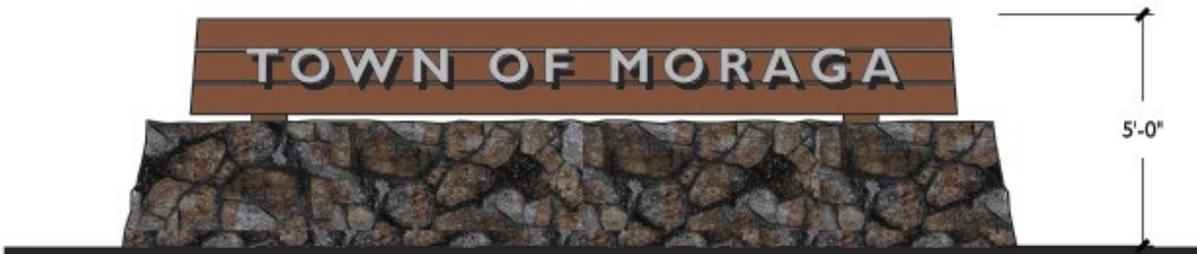
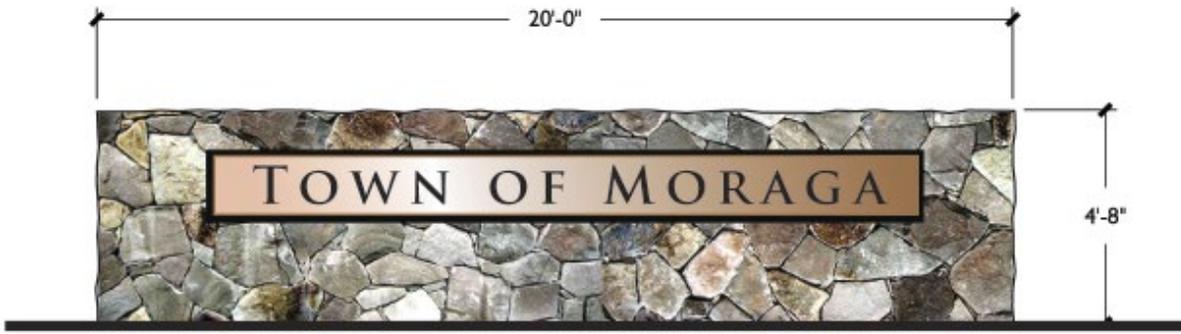
**SIGNAGE AND MONUMENTS**



Existing Signage



SIGNAGE



**SITE FURNISHINGS**



**LIGHTING**





# **APPENDIX D**

## **Moraga Design Guidelines**

### **Single Family Residential Floor Area Ratio (FAR) Guidelines**

**Adopted by the Planning Commission on  
April 15, 2002**

## **I. Purpose**

The purpose of these guidelines is to set forth standards that will help prevent new single family residential homes and additions to existing homes where the size and scale of the proposed home would be out of character with an existing neighborhood or surrounding homes; and to maintain the semi-rural character of the Town, while still providing a variety of house sizes. The guidelines are intended to establish the maximum size of a home based on the size of the property, in order to achieve the following goals:

- a. Maintain the existing character of established residential neighborhoods;
- b. Minimize the out-of-scale appearance of large homes relative to their lot size and to other homes in a neighborhood;
- c. Minimize loss of light and privacy to neighbors caused by the construction of large homes;
- d. Minimize the dominance of structures on sloping hillside properties;
- e. Minimize the environmental damage of tree removal and grading or destruction of natural features which may result from overbuilding;
- f. Permit reasonable expansion of existing dwellings.

## **II. Applicability**

These FAR guidelines apply to new single-family residences, additions and remodels to existing residences, and infill development involving new single-family residences. These guidelines do not apply in cases where the Planning Commission or Town Council established alternative FAR standards for new homes approved as part of a Planned Development or Major Subdivision project.

The reviewing body has the authority to permit a floor area greater than the maximum allowed provided that appropriate findings are made as described in Section VI - Modifications. If the findings are geotechnically related, they should be supported by a site specific geotechnical analysis consistent with the Town's General Plan.

The maximum permitted FAR for a proposed project will be determined by the Town through the Design Review and permit approval process. The Town may require a reduced FAR depending on individual site characteristics such as parcel size, visibility from streets and other public places, proximity to adjacent development, and project design.

## **III. Definitions used in these guidelines**

- a. ATTIC means that space of the building above a story and which is not habitable and may be utilized for storage. The space must be unconditioned.
- b. BASEMENT means that portion of a building, which is either partly above finished ground surface or all below finished ground surface found between the floor and ceiling or finished floor level directly above. If the height between the ceiling and the finished ground surface adjoining the exterior walls exceeds six feet at any point or if it is utilized as a habitable space/room, the space will be considered a story.
- c. FLOOR AREA RATIO means the ratio of the buildings gross floor area divided by the net lot area.
- d. GROSS FLOOR AREA means the sum of:
  - (1) The area measured on outside walls of the first story of the dwelling;

- (2) Garage area measures on outside walls;
  - (3) That portion of any first story room with a ceiling height of 15 feet or more and not a part of a second story;
  - (4) Area of the second story measured on outside walls;
  - (5) The area of that portion of any attic space that has a clear height of 7 feet above the floor;
  - (6) The area of accessory structures greater than 400 square feet in area with permanent foundations, measured on outside walls.
- e. INFILL DEVELOPMENT means the development of a lot(s) within an existing subdivision.
  - f. LOT AREA means the area of a lot in square feet, excluding access easements.
  - g. MAXIMUM ALLOWABLE FLOOR AREA means the maximum floor area that may be developed on a lot, based on the lot size.

#### **IV. Exemptions**

Each of the following structures is excluded from the calculation to determine the maximum allowable floor area.

- a. A one-time only building addition of 200 square feet or less in area to an existing residence, if no other additions have been previously approved;
- b. A basement or attic, as defined by these guidelines;
- c. An accessory building(s) with a total area of less than 400 square feet, other than a garage or carport; and
- d. A covered or uncovered balcony, porch, and deck.
- e. A legally constructed building which exceeds the maximum floor area permitted by the guidelines and which is destroyed by fire, flood, landslide or other act of nature. Such a building may be rebuilt with up to the same amount of floor area, subject to approval in accord with Section 8-1704 of the Town's Municipal Code.
- f. A new residence in a Planned Development or Major Subdivision, where the maximum floor area of the new homes was approved by the Planning Commission and/or the Town Council.

#### **V. Maximum Floor Area.**

Table 1 shows the maximum FAR guidelines that apply to proposed homes on a lot with an area of 1 acre or less.

**Table 1: Maximum Floor Area – Lots 1 Acre and Less**

<b>Lot Size (sq. ft.)</b>	<b>FAR</b>	<b>Home Size (sq. ft.)</b>
4,999 and less		1,900
5,000	0.380	1,900
5,200	0.378	1,965
5,400	0.376	2,030
5,600	0.374	2,094
5,800	0.372	2,157
6,000	0.370	2,220
6,200	0.368	2,281
6,400	0.366	2,342
6,600	0.364	2,402
6,800	0.362	2,461
7,000	0.360	2,520
7,200	0.358	2,577
7,400	0.356	2,634
7,600	0.354	2,690
7,800	0.352	2,745
8,000	0.350	2,800
8,200	0.348	2,853
8,400	0.346	2,906
8,600	0.344	2,958
8,800	0.342	3,009
9,000	0.340	3,060
9,200	0.338	3,109
9,400	0.336	3,158
9,600	0.334	3,206
9,800	0.332	3,253
10,000	0.330	3,300
10,200	0.328	3,345
10,400	0.326	3,390
10,600	0.324	3,434
10,800	0.322	3,477
11,000	0.320	3,520
11,200	0.318	3,561
11,400	0.316	3,602
11,600	0.314	3,642
11,800	0.312	3,681
12,000	0.310	3,720
12,200	0.308	3,757
12,400	0.306	3,794
12,600	0.304	3,830
12,800	0.302	3,865
13,000	0.300	3,900
13,200	0.298	3,933
13,400	0.296	3,966
13,600	0.294	3,998
13,800	0.292	4,029

<b>Lot Size (sq. ft.)</b>	<b>FAR</b>	<b>Home Size (sq. ft.)</b>
14,000	0.290	4,060
14,200	0.288	4,089
14,400	0.286	4,118
14,600	0.284	4,146
14,800	0.282	4,173
15,000	0.280	4,200
15,200	0.278	4,225
15,400	0.276	4,250
15,600	0.274	4,274
15,800	0.272	4,297
16,000	0.270	4,320
16,200	0.268	4,341
16,400	0.266	4,362
16,600	0.264	4,382
16,800	0.262	4,401
17,000	0.260	4,420
17,200	0.258	4,437
17,400	0.256	4,454
17,600	0.254	4,470
17,800	0.252	4,485
18,000	0.250	4,500
18,200	0.248	4,513
18,400	0.246	4,526
18,600	0.244	4,538
18,800	0.242	4,549
19,000	0.240	4,560
19,200	0.238	4,569
19,400	0.236	4,578
19,600	0.234	4,586
19,800	0.232	4,593
20,000	0.230	4,600
21,000	0.22	4,720
22,000	0.22	4,820
23,000	0.21	4,910
24,000	0.21	4,990
25,000	0.20	5,060
26,000	0.20	5,120
27,000	0.19	5,170
28,000	0.19	5,215
29,000	0.18	5,255
30,000	0.18	5,290
31,000	0.17	5,320
32,000	0.17	5,346
33,000	0.16	5,369
34,000	0.16	5,389
35,000	0.15	5,406
36,000	0.15	5,422
37,000	0.15	5,437

Lot Size (sq. ft.)	FAR	Home Size (sq. ft.)
38,000	0.14	5,451
39,000	0.14	5,464
40,000	0.14	5,476
41,000	0.13	5,486
42,000	0.13	5,493
43,000	0.13	5,498
43,560	0.13	5,500
Greater than 1 acre		5,500 [1]

[1] Applies only to homes that would be visible from a scenic corridor.

For lots greater than one acre where the home would be visible from a scenic corridor, the maximum home size is 5,500 square feet. If a home on a lot greater than one acre would not be visible from a scenic corridor, the maximum size of the home shall be as determined by the Design Review Board and/or Planning Commission after consideration of Town policies applicable to the size and scale of proposed new homes.

The maximum gross floor area is determined by multiplying the net square footage of the parcel by the floor area ratio. The maximum floor area shall be adjusted downward in increments of two-tenths of one percent (.002) based upon each additional 200 square feet of net parcel area. For example, a lot with a net parcel size of 10,350 square feet will have a maximum floor area ratio of .328 and a maximum permitted house size of 3,394 square feet.

It is the responsibility of the property owner to provide accurate site and building area data to the Town. The Town, at its sole discretion, may require that the data be prepared at owner's expense by a licensed surveyor or civil engineer.

The maximum FAR guidelines in Table 1 is a starting point for the Town's analysis of a proposed project and do not create any entitlement for an applicant. In each case, site-specific factors may require the Town to reduce the allowed maximum floor area below the default maximum FAR guidelines shown in Table 1. Table 1 does not account for all constraining factors, including but not limited to:

- A buildable area on the lot that is significantly smaller than the total lot size, thus necessitating an unusual siting or building design approach.
- Adjacent existing homes that are significantly smaller than would be allowed by Table 1.
- Lot size in combination with hillside location would result in significant visual impacts on adjacent or nearby existing homes.

Infill lots and remodel expansion projects are often especially challenged by these factors and may require reduced floor areas below the Table 1 values. The maximum FAR for each project shall be evaluated based on the site-specific characteristics.

## **VI. Modifications**

The reviewing body may grant a modification to the FAR standards with appropriate findings relating to the goals identified under Section I (Purpose). The reviewing body should not grant a modification to the FAR standard for projects with one or more of the following adverse design characteristics:

1. Any building addition that requires a variance to a front, side or rear yard property line setback.
2. The use of multiple or stacked retaining walls or retaining walls higher than three (3) feet to create level yard areas on hillside lots.
3. The lack of sufficient driveway maneuvering space or very tight turning radius for access in and out of garages or insufficient guest parking on lots with less than 45- feet of frontage to a public street.
4. Angled exterior wall solely for the purpose of making the house plan conform to the minimum building setback from a property line that is not parallel with the existing building.

The reviewing body may grant a modification to increase the allowed FAR only for projects with low visibility from neighboring properties, streets and other public places. The Town may allow increased FAR to accommodate reasonable use and enjoyment of properties where new development would not create visual impacts or diminish the quality of life for surrounding properties.

# ATTACHMENT E

Design Scenarios link

(<https://www.moraga.ca.us/DocumentCenter/View/265/09-04-2019-Power-Point-Presentation-PDF>)

# ATTACHMENT F

CAC Recommendations

## CAC Meeting #4 Final Zoning Code Recommendations

DISCUSSION TOPIC	OVERALL RECOMMENDATION	ADDITIONAL ZONING CONSIDERATIONS
1. <u>Land Use Allocation – Housing*</u>	The Moraga Center Specific Plan (MCSP) allows for residential uses at specifically designated densities in Areas 2, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, and 17. The Zoning Code should be consistent with the MCSP.	Consider stipulating required public amenities that must be included in the housing development.
2. <u>Land Use Allocation - Retail*</u>	The MCSP allows retail uses and office space as part of mixed-use development in Areas 1, 2, 7, 8, 9, 10, and 11. The Zoning Code should be consistent with the MCSP.	
3. <u>Land Use Allocation – Congregate Care*</u>	The MCSP allows for congregate care in areas designed for residential densities at 12-20 du/ac, mixed office/residential use, and planned development, located in Areas 5, 7, 13, 14, and 17. The Zoning Code should be consistent with the MCSP and also allow congregate care on the second and third floors of Areas 2 and 8.	CAC does not believe Area 7 is an appropriate place for congregate care.
4. <u>Land Use Allocation – Town Square*</u>	The MCSP calls for a “Town Square focal point” with a fountain or other prominent visual element. It does not require one, but specifies that it should be located at the intersection of School Street and the new roadway that crosses Laguna Creek.  Although not required by the MCSP, the Zoning Code should require a Town Square, but be flexible on its exact location.	-Exact location and amenities should be flexible, to be determined through developer proposal and design review.
5. <u>Upper Story Stepbacks*</u>	Require stepbacks or other architectural articulation and modulation on the second and third stories of buildings along scenic corridors (i.e. Moraga Way, Moraga Road, and Canyon Road).	-Consider requiring stepbacks in high density residential areas (Areas 5 and 14).
6. Creek Corridor/Public Access	The MCSP does not require a trail along Laguna Creek. The Zoning Code should allow for a pedestrian trail along either or both creek banks but not make the trail a requirement.	Consider requiring the pedestrian trail as a condition of approval if the developer applies for a conditional use permit.
7. Creek Bridge	The MCSP calls for a vehicular and pedestrian roadway connection to cross Laguna Creek to connect the residential area to the future Town Center. The Zoning Code should be consistent with the MCSP.	-Consider adding regulations to ensure bridge comfortably accommodates pedestrian, bicycle, and vehicular uses. -Consider specifying what level of development would trigger the construction of the bridge.

CAC Meeting #4 Final Zoning Code Recommendations

DISCUSSION TOPIC	OVERALL RECOMMENDATION	ADDITIONAL ZONING CONSIDERATIONS
<u>8. Scenic Corridor Setbacks*</u>	Require a 40-foot building setback along scenic corridors (i.e. Moraga Way, Moraga Road, Canyon Road, and the portion of Country Club Drive in Area 15). The 40-foot setback would be primarily, if not entirely, for landscaping.	
9. Hotel Location	Although it states a preference for a hotel in Area 1, the MCSP allows a hotel in Areas 1, 12 and 13. The Zoning Code should be consistent with the MCSP.	
10. Development Potential	The MCSP allows for 510 market rate units, or 630 units with density bonuses required by State law for affordable housing projects. The MCSP also stipulates a cap on non-residential uses as outlined in Table 4-1 of the MCSP. The Zoning Code should be consistent with the MCSP.	The Zoning Code will limit residential development to 510 units. However, the number of residential units could increase to 630 units if the developer provides affordable housing that meets the California State Density Bonus Law.
11. Historic Preservation	The MCSP calls for the preservation of “historic architecture to the extent possible at the Moraga Ranch and incorporate it into the overall design of the area.” The Zoning Code should be consistent with the MCSP and encourage the preservation of historic structures, but not require any specific buildings be preserved.	
<u>12. School Street*</u>	The MCSP calls for the extension of School Street to Moraga Road. The Zoning Code should be consistent with the MCSP.	The Zoning Code could add specificity about the timing and funding of the School Street construction.
<u>13. Sidewalk Width*</u>	The MCSP does not specify a required sidewalk width. The Zoning Code should establish standard street sections, including sidewalk widths, for key streets in the planning area. Minimum sidewalk widths in commercial and mixed-use areas should be 8 feet, not including bicycle facilities.	Although not discussed by the CAC, the Zoning Code should specify minimum widths for sidewalks in residential areas.
<u>14. Building Height*</u>	The MCSP allows mixed retail-residential (Areas 2 and 8) and mixed office-residential (Areas 13 and 17) buildings to be up to 45 feet tall. All other uses have a maximum building height of 35 feet. The Zoning Code should be consistent with the MCSP and also specify that buildings should be limited to two stories in higher elevations.	Generally favor allowances for higher building heights within the Core area along and near School Street, with standard residential densities in the hillside areas.

CAC Meeting #4 Final Zoning Code Recommendations

DISCUSSION TOPIC	OVERALL RECOMMENDATION	ADDITIONAL ZONING CONSIDERATIONS
<u>15. Creek Setback*</u>	The Zoning Code should follow County Zoning Code requirements that call for a 30 to 50-foot setback depending on the depth of the creek channel plus any areas where significant riparian vegetation exists.	
16. Lafayette/Moraga Regional Trail	The MCSP calls for the Lafayette/Moraga Regional Trail to run along the School Street extension to Moraga Road. The Zoning Code should be consistent with the MCSP.	The Zoning Code could specify that the Lafayette/Moraga Regional Trail be located on the north side of School Street (adjacent to Moraga Ranch).
17. Topography	<p>The Zoning Code should align with General Plan policy that prohibits grading on slopes with a predevelopment average of 25 percent or more, unless Town Council provides for an exception. In accordance with the MCSP, the Zoning Code should also specify that accessory dwelling units are not allowed on slopes 20 percent or greater.</p> <p>The Zoning Code should also require preservation of the hillside slope of the orchard that faces Moraga Way, as shown in Scenario 1.</p>	

Note: Discussion topics with an \* were discussed by the CAC at the October 1, 2019 meeting.

# ATTACHMENT G

January 2010 MCSP link

(<https://www.moraga.ca.us/DocumentCenter/View/302/Moraga-Center-Specific-Plan--Adopted-2010-PDF>)

# ATTACHMENT H

Draft Environmental Impact Report link

(<https://www.moraga.ca.us/DocumentCenter/View/299/Moraga-Center-Specific-Plan-Draft-EIR-PDF>)

# ATTACHMENT I

Final Environmental Impact Report link

(<https://www.moraga.ca.us/DocumentCenter/View/301/Moraga-Center-Specific-Plan-Final-EIR-PDF>)