

Alameda Urban Greening Plan

- Parks Master Plan
- Sustainable Practices / Urban Forest
- Urban Farm and Garden



Parks Master Plan

- Context
- Inventory
- Community Needs Assessment
- Goals & Standards
- Recommendations

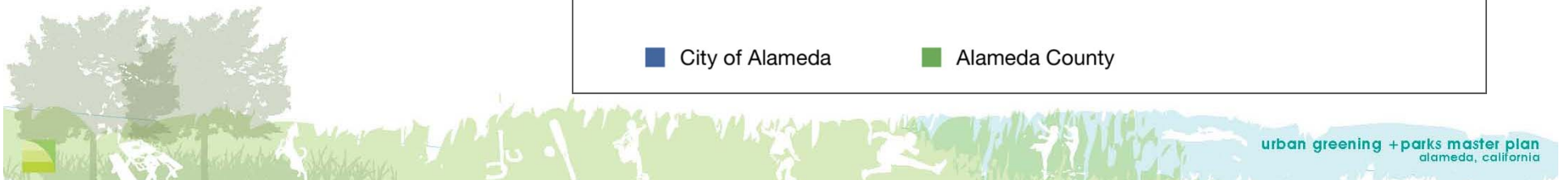
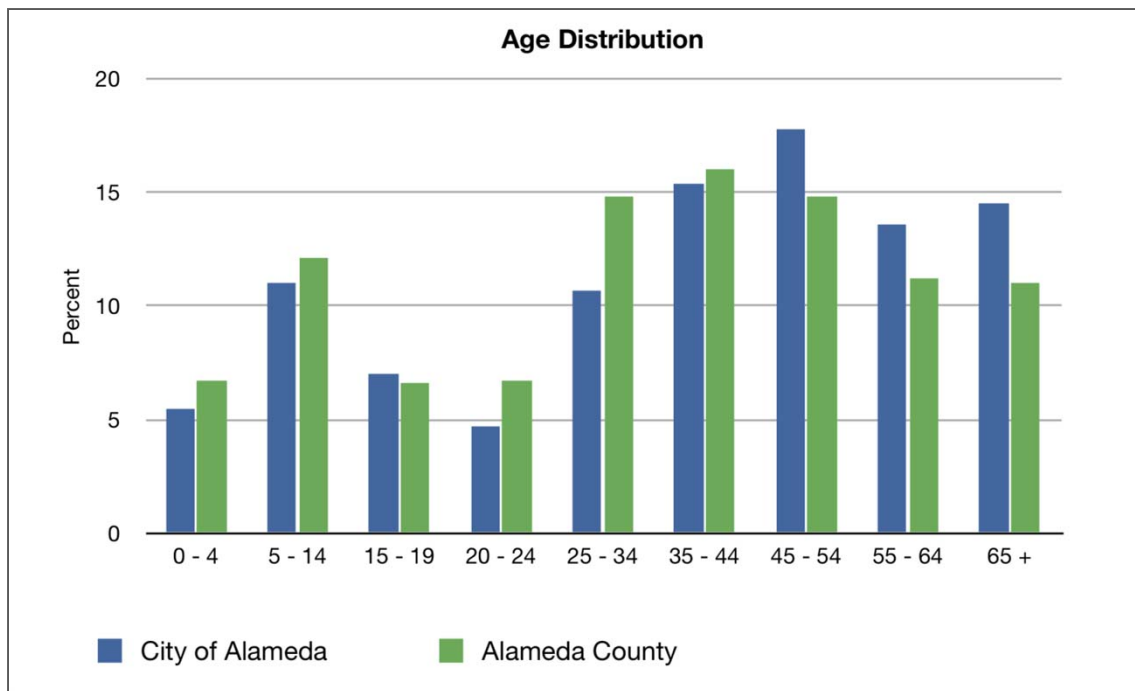


What We Have



Who We Are

- Family Oriented
- Aging Population
- Multi-cultural



Inventory – Parks & Facilities

Franklin Park

Summary
Location: 1432 San Antonio Avenue
Size: 2.98 acres
Opened: 1923

Franklin Park is located in a residential neighborhood, across the street from Franklin Elementary School. The western portion of the park features a tranquil setting of paths, mature shade trees, lawn, benches and picnic tables. The park also features a recreation building, a practice ballfield, two tennis courts, fenced play areas, basketball and hardcourt games. The fenced areas make the park particularly appealing for parents with young children. Parking for this neighborhood park is on-street. The swimming pools adjacent to the park are run by Alameda Pool Association and are open to members only.



KEY MAP



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urban greening + parks master plan
alameda, california

INVENTORY OF EXISTING PARKS

Features	Count	Condition (Good, Fair, Poor)	Description	Recommendations
Recreation Building	1	Good		
Play Lots	2		Separated play lots for ages 2-5 and 5-12, with play structures and parent seating	<ul style="list-style-type: none"> Install ADA accessible picnic tables Provide spectator seating for ballfields
Picnic Areas	2+	Good	One area with 2 wooden tables, 2 grills and 4 trash receptacles. Area in front of Rec building has 3 picnic tables (wood with ornamental iron) and 2 trash receptacles	<ul style="list-style-type: none"> Replace worn site furnishings Resurface tennis courts and repair court fence and lighting (or remove non-functional court light fixtures) Replace / update park lighting
Open Lawn	Yes	Good		<ul style="list-style-type: none"> Replace irrigation controller and sprinkler system
Ballfields	1	Good	Lighted softball field with player benches	<ul style="list-style-type: none"> Replace park identification sign Replace problematic restroom fixtures
Basketball Courts	1	Good	Lighted full court	
Tennis Courts	2	Fair	Lighted courts with wooden benches	
Shuffleboard	1	Good		
Paths/Walks	Yes	Good	5' wide concrete path	
Restroom	Yes	Good	Located in recreation building	
Storage/Maintenance	Yes			
Park Signage	Yes		General Park Rules, Dog Owners signage	
Lighting	Yes		Lighting throughout the park	
Benches	9	Fair	2 custom benches, and painted wood benches	
Trash Receptacles	6	Good	Green barrels	
Bike Racks	1	Good	Near recreation building	
Drinking Fountain	1	Good	Double (ornamental)	
Other			<ul style="list-style-type: none"> Hardcourt games (four-square, hop scotch, etc.) Community handprint art feature 	
Parking			On-street	

Franklin Park



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Inventory – Park Opportunity Sites

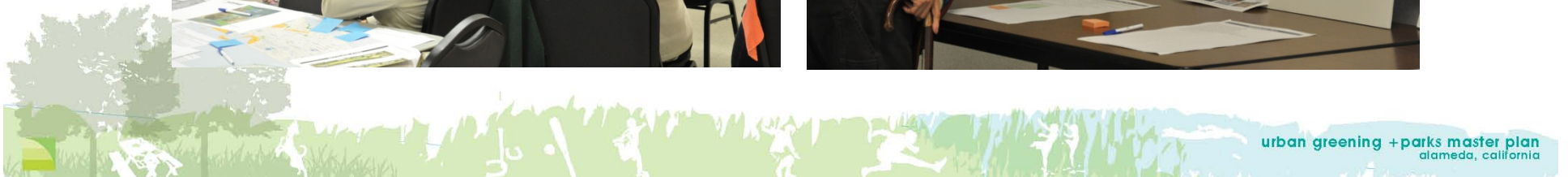
- Planned Parks
 - Beltline Park
 - Boatworks Park
- Potential Park Sites
 - Alameda Point Parks
 - North Loop Road
 - Encinal Terminal
 - Mt. Trashmore
 - Former Coast Guard housing site



What We Need

Community Needs Assessment

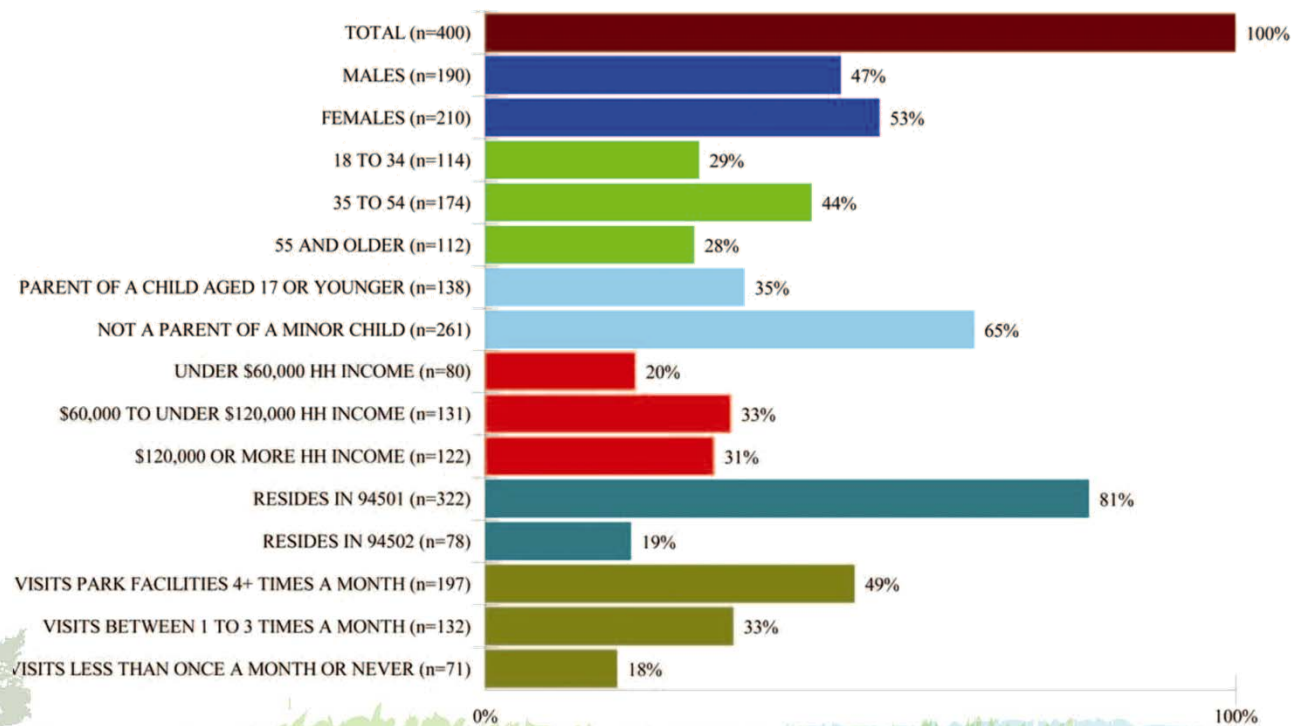
- Community Survey (Phone + Online)
- Stakeholder Interviews
- Community Workshops



Needs Assessment - Survey

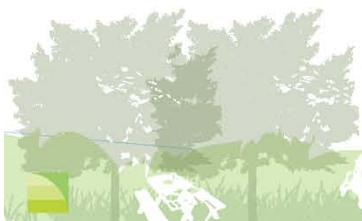
- 400 residents randomly selected
- Statistically Valid
- Reflects composition of Alameda Community

Percent of Total Sample (Weighted)



Well Used & Well Liked Parks

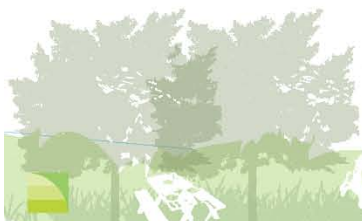
- 87% recently visited shoreline, natural area or park
- 49% use parks 4 or more times a month
- 74% rated park system as above expectations
- Less than 10% identified any specific physical improvements needed



Desired Improvements

Highest Ranking

- Natural Open Space / Hiking – 60%
- Trail System – 59%
- Indoor Aquatic Center – 53%
- Community Gardens – 47%



Significant Interest

- New Multi-Use Community Center – 41%
- Performing Arts Center – 39%
- Additional Playgrounds – 35%
- Sports Field Complex - 32%



Interest in Community Gardens

- 57% of respondents would actively participate, work with children, or help plan Community Gardens



Stakeholder Input

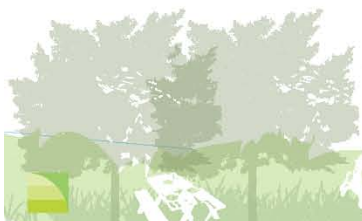
- Interviewed stakeholders, service providers, staff
- What type of programs are offered?
- What are facility limitations?
- What partnerships are used now?



What We Heard

(Staff, service providers, user groups - aquatics, sports, gym users, urban agriculture)

- Tournament sports complex: 2-3 synthetic soccer fields & 90' diamond baseball field
- Aquatic facility: indoors, competition & recreation pools
- Community center: large meeting space, teen center, dedicated daycare
- Expanded trail / open space systems
- Upgraded gym



Facilities Analysis

- Neighborhood facilities provide efficient and accessible program space
- Mastick Senior Center - excellent programs & services
- Teen Center limited by current location
- Need a centrally-located community center



Other Program Elements

- Additional dog park
- Amphitheater
- BMX area
- Sand volleyball
- Bocce complex
- Practice soccer fields
- Fitness course



Workshops

- Comments on existing parks

LINCOLN PARK



SUMMARY

Location: 1450 High Street (7.8 acres)

Lincoln Park caters to both active and passive users, featuring the Dick Bartell Field (baseball or softball game field), the John Ratto Bocce Courts, a tennis court, basketball, two play areas, handball and picnic areas set amid mature shade trees. The park includes rose gardens, benches, and decomposed granite paths, and enhanced planting areas at the entry. Homes back onto the north and south lengths of the park with High Street and Fernside bordering the west and east sides. Video surveillance and lighting enhance security.



KEY MAP

Urban Greening Workshop - Alameda, California

June 2011

Lincoln Park

Features	Condition	Description	Comments	
Benches	14+	Good/Fair	Multiple benches of different styles	Some graffiti
Trash Receptacles	15+	Good/Fair	Multiple trash of different styles, recycle bin at handball court	
Bike Racks	2	Fair	1 at parking, 1 at basketball	
Drinking Fountains	2	Good		
Parking	Yes	Poor	24 stalls, 2 are ADA accessible	Asphalt in very poor condition
Other			<ul style="list-style-type: none">Tetherball and four-square markingsOrnamental Iron fence at entryBoulder with plaque about Indian site	<ul style="list-style-type: none">Tetherball and four-square appear unusedSome graffiti on boulder plaque

RECOMMENDATIONS

Resurface and repair tennis and basketball courts

Repair/replace site furnishings at picnic areas

Repair asphalt at pathways

Complete ADA access improvements

Add community garden plots near buildings or picnic sites

Replace tetherball use

Improve Tiers with hydrangea + sandboxes

Is there space available for community garden plots along Fernside, perhaps?

Lights for evening Bocce?

Improve Ballfield Lights

Urban Greening Workshop - Alameda, California

June 2011

Community Workshops

- Program for Beltline Park (Jean Sweeney Open Space Preserve)
 - Mix of Uses (Active & Passive, Community Center)
 - Urban Agriculture
 - Open Space and Trails



Beltline Park (22 acres)

Urban Greening Workshop - Alameda, California

June 2011



Beltline Park (22 acres)

Urban Greening Workshop - Alameda, California

June 2011



Community Workshops

- Program for Alameda Point Parks
 - Active Uses (Aquatics Center, Sports Complex)
 - Urban Agriculture
 - Open Space and Trails



What Should We Do?

Goals & Recommendations

PARKS

- Acreage
- Access & Service Areas
- Sports Fields

FACILITIES

- Preservation & Renovation
- New Facilities
- Partnerships

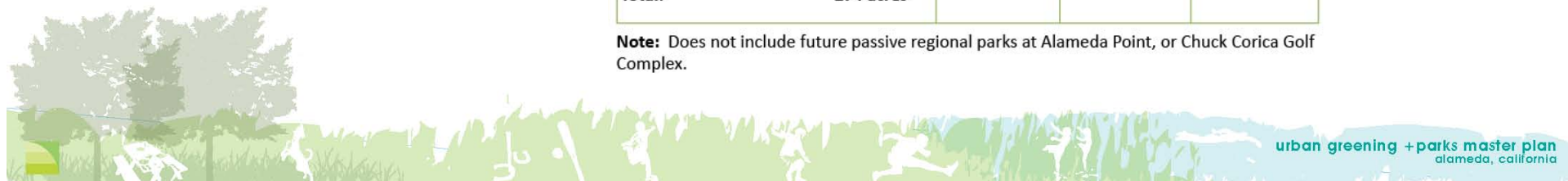


Goal – Acreage

- 3 acres per 1,000 residents

Park & Open Space Acreages	Current population: 72,500	With Alameda Point Build-out: 77,000	2030 population (projected): 80,000
Existing, per ARPD Total: 141.6 acres	1.95 AC / 1,000	1.84 AC / 1,000	1.77 AC / 1,000
Alameda Point Soccer Fields (Not including Main Street (3.5 acres) or Hornet (2 acres)) 2 nd Street: 3.5 acres Total: 145.1 acres	2.0 AC / 1,000	1.9 AC / 1,000	1.8 AC / 1,000
Planned parks Beltline: 22 acres Boatworks: <u>2 acres</u> Sub-total: 24 acres Total: 169 acres	2.3 AC / 1,000	2.2 AC / 1,000	2.1 AC / 1,000
Proposed parks North Loop Road Park: 12 acres Coast Guard Sports Fields 12 acres Encinal Terminal: 6 acres Mt. Trashmore: <u>20 acres</u> Sub-total: 46 acres Total: 219 acres	3.0 AC / 1,000	2.8 AC / 1,000	2.7 AC / 1,000
Future Alameda Point Parks Neighborhood Parks and Community Sports Park: 55 acres Total: 274 acres	3.8 AC / 1,000	3.6 AC / 1,000	3.4 AC / 1,000

Note: Does not include future passive regional parks at Alameda Point, or Chuck Corica Golf Complex.



Goal - Sports Fields

- 1 diamond field per 2,600 residents
- 1 rectangular field per 3,000 residents

RECOMMENDED SPORTS FIELDS STANDARDS

Sports Facilities	Existing ARPD Fields	AUSD	Total Available Fields	Existing Ratio (including ARPD & AUSD)	Existing Ratio (including <u>only</u> ARPD fields)	Recommended Standard	Recommended Service Area
Diamond Fields	19	6	25	1:2,900	1:3,800	1:2,600	½ mile
Rectangular Fields	15	4	19	1:3,800	1:4,800	1:3,000	½ mile

Notes:

1. "Diamond Fields" includes softball and baseball, 60' & 90' diamonds.
2. "Rectangular Fields" includes both adult and youth sized fields, which may be used for soccer, football, rugby and/or lacrosse. They include fields overlaid on diamond outfields. Assume that 1 synthetic field is equivalent to 1.5 turf fields due to increased usage time.
3. Assumes current population of 72,500.



Sports Fields - Shortfalls

- To Meet the Goals:

SPORTS FIELDS SHORTFALLS

Sports Facilities	Recommended Standard	Total Fields	SHORTFALLS	Current Population 72,500	Alameda Point Build-out Population 77,000	2030 Population 80,000
Diamond Fields	1:2,600	25		3*	5	6
Rectangular Fields	1:3,000	19		5	7	8

* Diamond Field shortfall includes 90' diamonds for adult league play.



Sports Fields – 3 Approaches

- Option 1



- Option 2



- Option 3



Design Recommendations

- New neighborhood parks



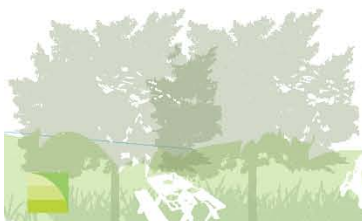
Aquatics Center

OPTIONS	ISSUES	BENEFITS
Alameda Point Pool renovation	Need complete rebuild High capital costs Not centrally located Operating costs on City	Co-located with Gym Preserves historic structure Re-use of existing resources Green opportunities
Partner with Schools	Complete renovation needed High capital investment Re-design for community needs	Shared operations and costs Community investment
Build a new aquatics complex	High capital investment Low cost recovery	Autonomy
Public / private partnership	Capital cost sharing Scheduling conflicts City needs guarantee of use	Efficient use of scarce resources Shared operational costs



FACILITY RECOMMENDATIONS

- Maintain & refurbish neighborhood facilities
- Renovate Alameda Point Gym & Officers Club
- Develop a new Community Center
- Improve facilities for youth
- Discontinue use of Veterans Building



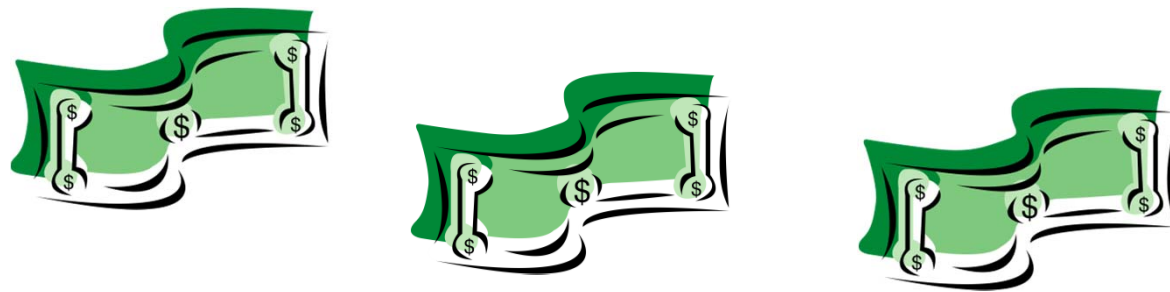
Recommendation Priorities

- Preserve and Enhance Existing Parks & Facilities
- Provide Additional Open Space, Habitat Areas, Trails and Shoreline Access
- Develop Beltline Park (*Jean Sweeney Open Space Preserve*) as a Community Park to Serve a Cross-Section of the Community



Recommendation Priorities

- Ensure ongoing funding of maintenance and maximize maintenance efficiencies
- Maximize partnerships to provide programs & services
- Maximize revenue, including cost recovery



Natural Systems: Urban Forest

- Recommended Park Trees
 - Water Use
 - Soil Tolerances
 - Hardscape Damage
 - Drainage Requirements & Stormwater Uses
 - Recycled Water & Salt



Natural Systems: Urban Forest

ALAMEDA PARKS TREE LIST

Botanical Name	Common Name	D/E/ C/P	WU	TRW	TAS	HDP	DR	SU	Remarks
<i>Acacia melanoxylon</i>	Blackwood Acacia	E	VL	X		M-H	G		Not recommended in areas with high winds. Reseeds invasively. Tolerates poor soils.
* <i>Acer buergerianum</i>	Trident Maple	D	M		X	L-M	M	RG	Requires training. Suitable for planting under power lines.
* <i>Acer campestre</i> 'Queen Elizabeth'	Hedge Maple	D	M		X	L	G	S	Requires training. Suitable for planting under power lines.
* <i>Acer x freemanii</i> 'Autumn Blaze'	Autumn Blaze Hybrid Maple	D	M			M	G-M	RG	Tolerates most soils.
<i>Acer macrophyllum</i>	Big Leaf Maple	D	M			M	M	RG-VBS	Resists oak root fungus.
<i>Acer negundo</i>	Box Elder	D	M					RG-BBS-TWF-S	Choose variety that does not sucker.
<i>Acer nigrum</i> 'Green Column'	Black Maple	D	M			M	G		
* <i>Acer palmatum</i>	Japanese Maples	D	M			L	G-M		Suitable for planting under power lines. Avoid windy areas.
* <i>Acer paxil</i>	Evergreen Maple	E	M		X	L	M		
* <i>Acer rubrum</i> 'Armstrong'	Scarlet Maple	D	M			M	P-M	RG	Not to be planted under high voltage lines. Tolerates most soils.
* <i>Acer rubrum</i> 'Bowhall'	Bowhall Maple	D	M			M	P-M		Not to be planted under high voltage lines. Tolerates most soils.



Natural Systems: Tree Inventory

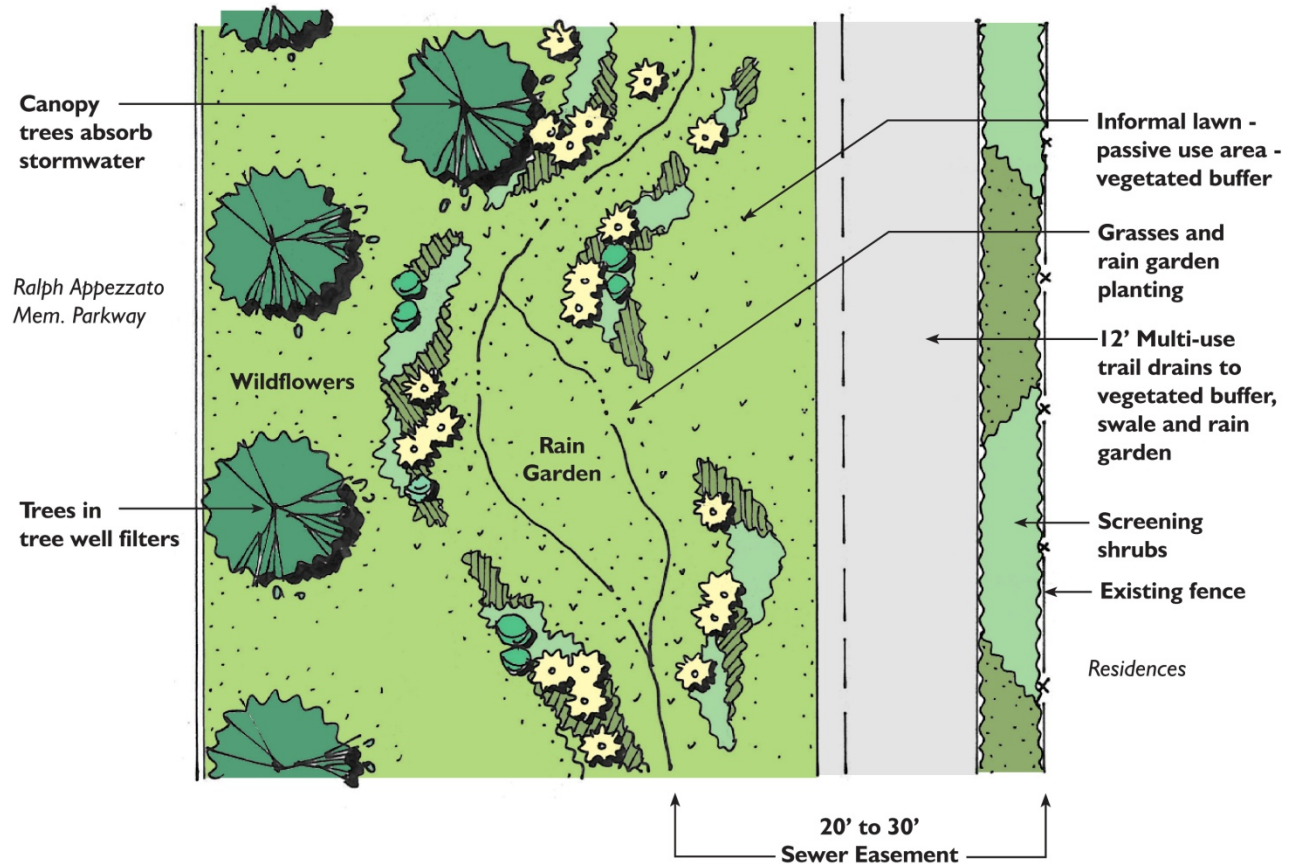


TREE EVALUATION CHART

Tree #	Botanical Name	Common Name	DBH (inches)	Height (feet)	Health	Comments
1	Pinus radiata	Monterey Pine	36	35	A	In lawn
2	Ulmus parvifolia	Chinese Elm	24	25	B/C	Many trunk scars
3	Ulmus parvifolia	Chinese Elm	20	30-40	A	
4	Ulmus parvifolia	Chinese Elm	18	30-40	A	Some broken branches
5	Ulmus parvifolia	Chinese Elm	24	30-40	A	Slight lean
6	Ulmus parvifolia	Chinese Elm	20	30-40	A	Some broken branches
7	Ulmus parvifolia	Chinese Elm	18	30-40	A	Unbalanced crown
8	Ulmus parvifolia	Chinese Elm	18	30-40	A	
9	Ulmus parvifolia	Chinese Elm	24	30-40	A	Unbalanced crown
10	Ulmus parvifolia	Chinese Elm	24	30-40	A	
11	Ulmus parvifolia	Chinese Elm	24	30-40	A	
12	Ulmus parvifolia	Chinese Elm	20	30-40	A	Poor structure
13	Ulmus parvifolia	Chinese Elm	20	30-40	A	
14	Ulmus parvifolia	Chinese Elm	24	30-40	A	Severe lean
15	Ulmus parvifolia	Chinese Elm	18	30-40	A	
16	Ulmus parvifolia	Chinese Elm	20	30-40	A	
17	Ulmus parvifolia	Chinese Elm	20	30-40	A	Severe lean
18	Ulmus parvifolia	Chinese Elm	24	30-40	A	
19	Ulmus parvifolia	Chinese Elm	24	30-40	A	
20	Ulmus parvifolia	Chinese Elm	24	30-40	A	
21	Ulmus parvifolia	Chinese Elm	24	30-40	A	
22	Ulmus parvifolia	Chinese Elm	24	30-40	A	
23	Ulmus parvifolia	Chinese Elm	20	30-40	A	
24	Ulmus parvifolia	Chinese Elm	12	25	B/C	Headed previously
25	Pinus radiata	Monterey Pine	72	80+	A	
26	Pinus radiata	Monterey Pine	72	80+	A	
27	Ulmus parvifolia	Chinese Elm	12	20	B	Impacted by nearby pine
28	Ulmus parvifolia	Chinese Elm	12	20	B	Severe lean
29	Ulmus parvifolia	Chinese Elm	18	20	A	
30	Ulmus parvifolia	Chinese Elm	18	20	A	



Natural Systems: Stormwater





URBAN FARM AND GARDEN PLAN

City of Alameda

OVERVIEW

- **Purpose: To identify opportunities to promote urban agriculture in Alameda**
- **The Plan provides:**
 - **Analysis of Opportunity Sites**
 - **Recommendations for Policies and Programs**
 - **Design Guidelines and Concept Plans**
 - **Funding and Financing Models and Resources**

Key terms

Urban agriculture

Community
gardens

Urban farms

School gardens

OPPORTUNITY SITES



POLICY RECOMMENDATIONS

1. Review and amend city policy & regulation to support urban ag (general plan, zoning, animals, etc.)
2. Review and implement strategies that open public land to individuals and community groups for growing food (e.g., leases, joint use)
3. Promote and pursue partnerships with AUSD, community groups, and other non-profits that enhances urban ag

GUIDELINES

- General guidelines for all garden types (soil, planting, accessibility etc.)
- Specific guidelines for each farm/garden type include:
 - Site requirements
 - Layout and design recommendations
 - Components: growing areas, buffers, utilities, materials, etc.

GUIDELINES

Table 4-3 (continued): Community Garden Features

Feature	Layout and Design Guidelines
Fencing/Security	<ul style="list-style-type: none"> 6-to 8-foot tall fencing should be placed around site (unless other physical barriers are present). Chainlink fence should not be used on street-facing sides of the garden. One to two entrance gates should be provided; gates should be at least 4 feet wide, and at least one gate should be able to open 12 feet to accommodate vehicles when necessary. Main entrance should be inviting and well marked. Locks should be provided on all gates and on storage shed. Any night time lighting should be dark-sky approved and/or directed downward to reduce light contamination.
Setbacks and Buffers	<ul style="list-style-type: none"> Garden plots should be located at least 10 feet from the edge of the parcel and 10 feet from the entrance. Compost area should be 10 feet from growing areas. Vegetated buffers should be established between busy streets and gardens. Orchard planting may be used as a buffer. Bathrooms, if provided, should be located at least 15 feet from garden beds.
Materials and Furnishings	<ul style="list-style-type: none"> Recycling and garbage receptacles should be provided in a visible location, preferably near entrance. Provide chairs, benches or other seating close to gathering areas and in shaded areas. Consider providing potting tables/work tables.
Utilities	<ul style="list-style-type: none"> Provide hose bibs at each plot or plot grouping. Electricity should be available at main gathering area and near storage.
Parking	<ul style="list-style-type: none"> One parking space for every five plots should be provided. Parking may be accommodated by on-street parking, depending on the site and neighborhood context. If off-street parking is provided, the parking area should be clearly signed. If all visitors/gardeners live in very close proximity to garden, less parking may be required.
Signage	<ul style="list-style-type: none"> Locational signage should be provided at entrance and key features. Signage should provide garden rules and contact information.

Table 4-3: Community Garden Features

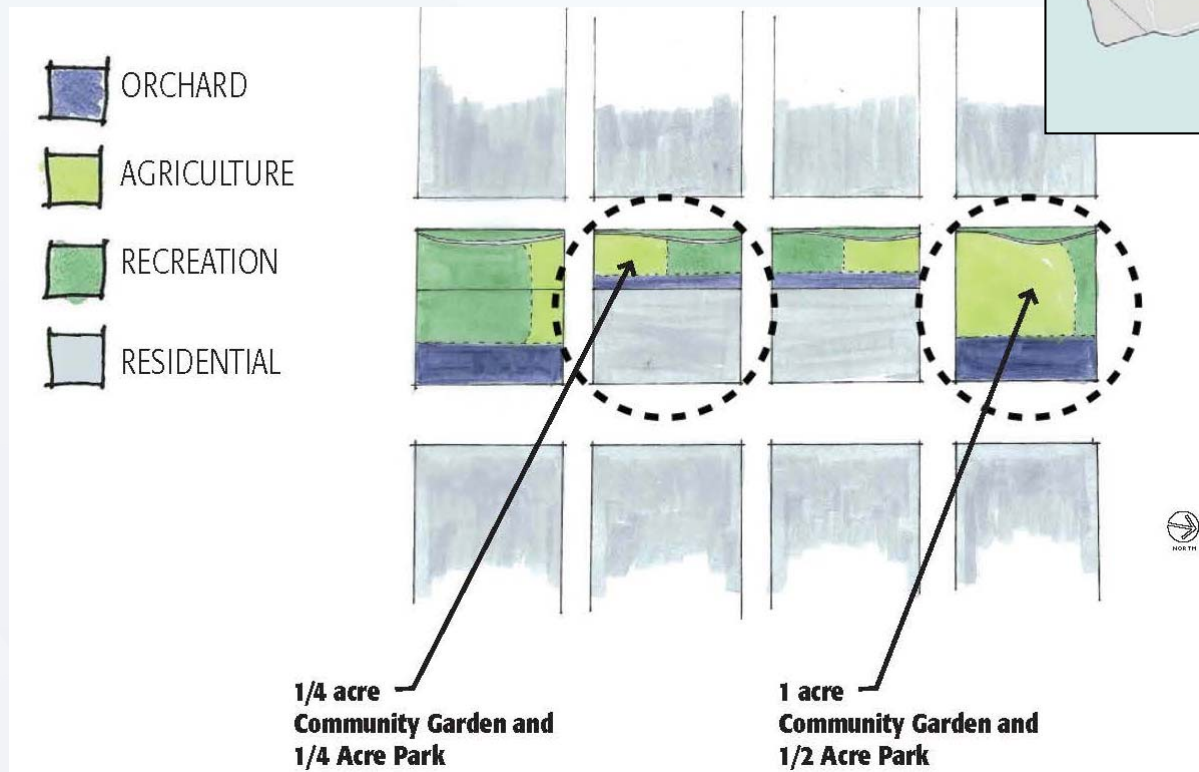
Feature	Layout and Design Guidelines
Plots	<ul style="list-style-type: none"> Provide at least 15 plots per garden; at least 3 of which should be raised beds that are accessible to wheel chairs. Individual plots should be at least 20 square feet and no larger than 200 square feet. Plots may be grouped to save space, providing that each plot is accessible by a trail. Raised beds should be grouped in groups of four or less. Plots/raised beds that are not intended to be walked in should be 5 feet wide or narrower so that they can be tended from the sides. Length may vary. Raised beds should be 8- to 36-inches high; wheel-chair accessible raised beds should be 2 feet tall and 30 inches wide for access from one side or 60 inches wide to be accessible from all sides. In at least some portion of the garden, raised beds that will be tended from standing gardeners should be 3 feet tall. The latter type of bed is desirable by individuals for which sitting or kneeling is uncomfortable.
Trails and Roads	<ul style="list-style-type: none"> Trails that access plots should be at least 2 feet wide; access to wheelchair accessible raised beds and associated uses shall be a minimum of 5 feet wide. Trails that provide access to group areas should be at least 5 feet wide. Vehicular roads should be 10 feet wide, and should be limited to that which is necessary for material loading/unloading by authorized vehicles. Vehicular roads may double as gathering space when not in use. Materials for trails can include dirt, mowed grass, concrete, or decomposed granite.
Shared Spaces	<ul style="list-style-type: none"> Shared spaces, at a minimum, should include a gathering space, composting area, and storage area. Shared spaces should be visible and easily accessible. Kitchen areas, potting areas, and other shared spaces may also be included. Gathering spaces should include at least one space that is at least 400 square feet, and several smaller (50 square feet) spaces with seating. The size and number of gathering areas should be determined based on number of plots and garden size. Composting areas should be at least 100 square feet, and provide adequate space for composting bins, spinners, or other selected system. Gardens greater than a half acre may include multiple composting areas to improve access. A shed for shared tools should be provided; a 10 foot x 10 foot shed is ideal for most gardens.

GUIDELINES

CONCEPT PLANS

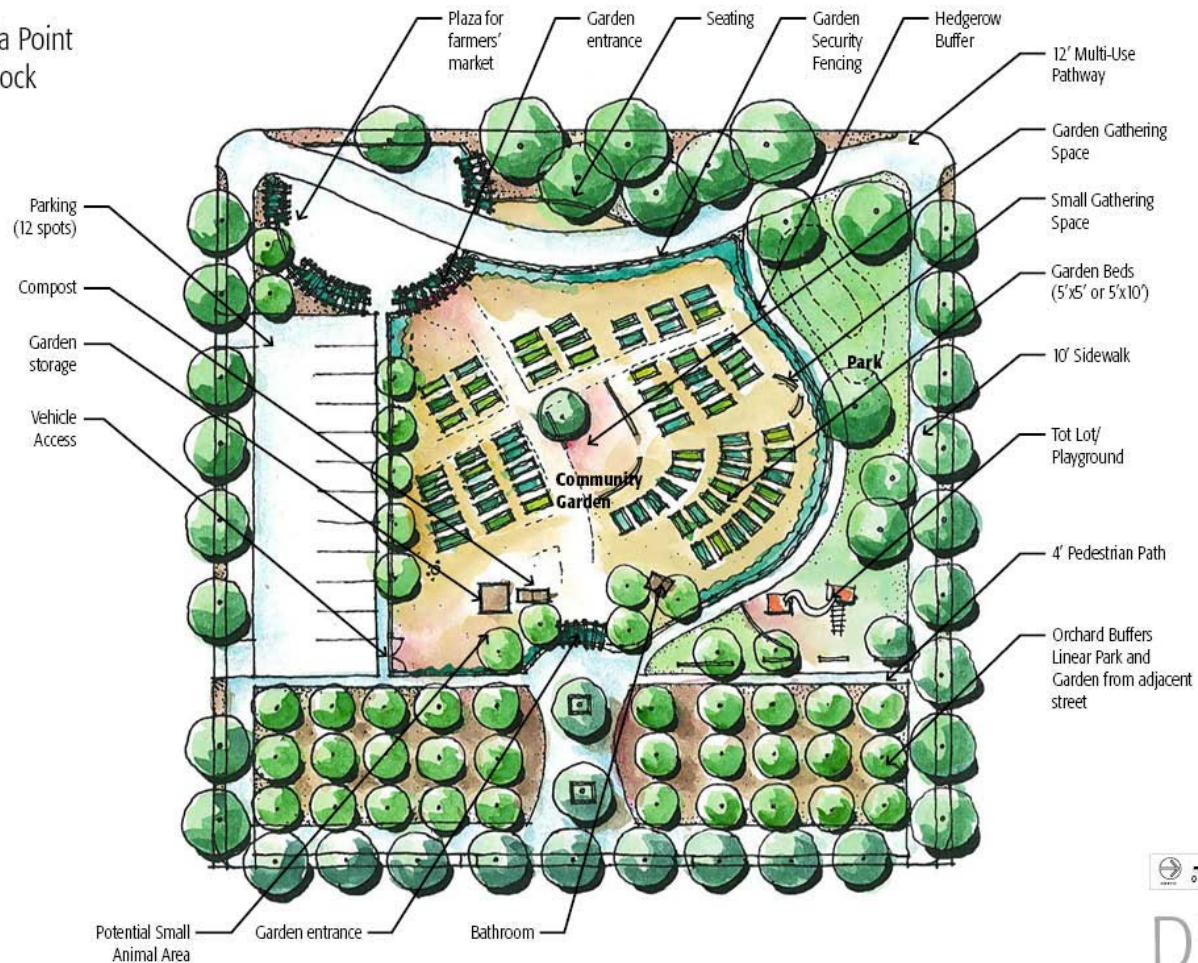
- Two demonstration sites:
 - Alameda Point
 - Proposed Belt Line Park
- Illustrate potential application of design guidelines
- Inform future design of agricultural elements at demonstration sites and throughout City

ALAMEDA POINT CONCEPT PLAN



ALAMEDA POINT CONCEPT PLAN

Alameda Point
Wide Block



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BELT LINE CONCEPT PLAN- Existing Conditions

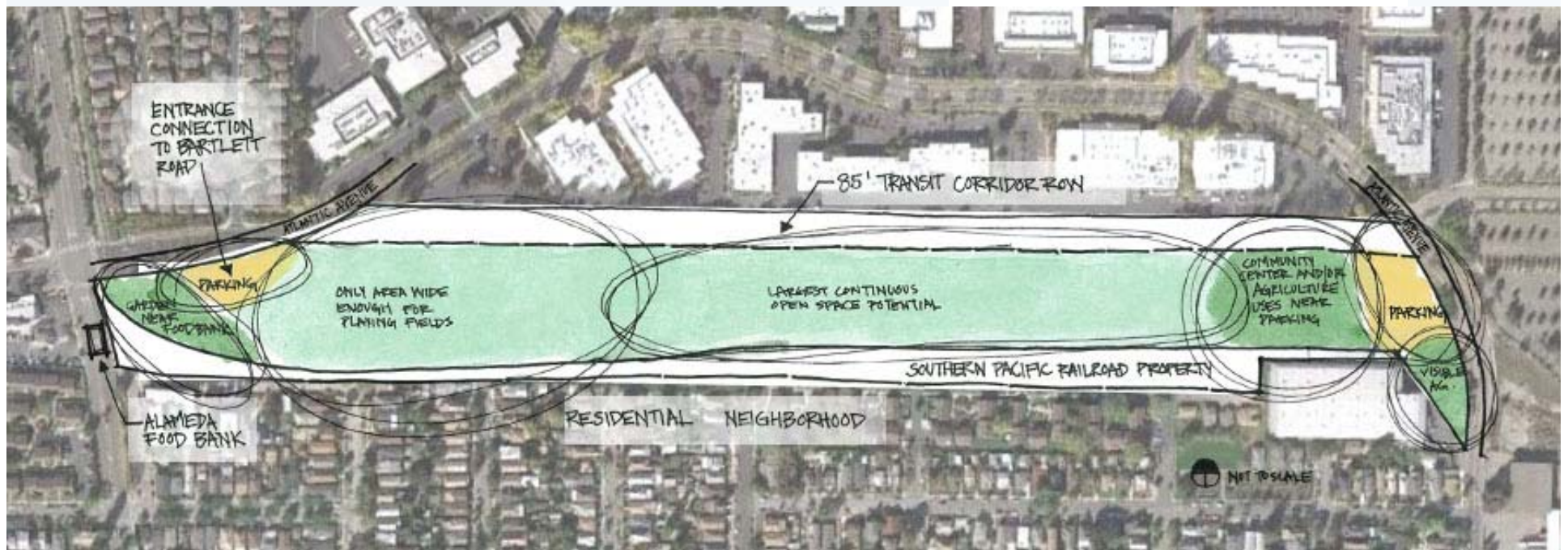
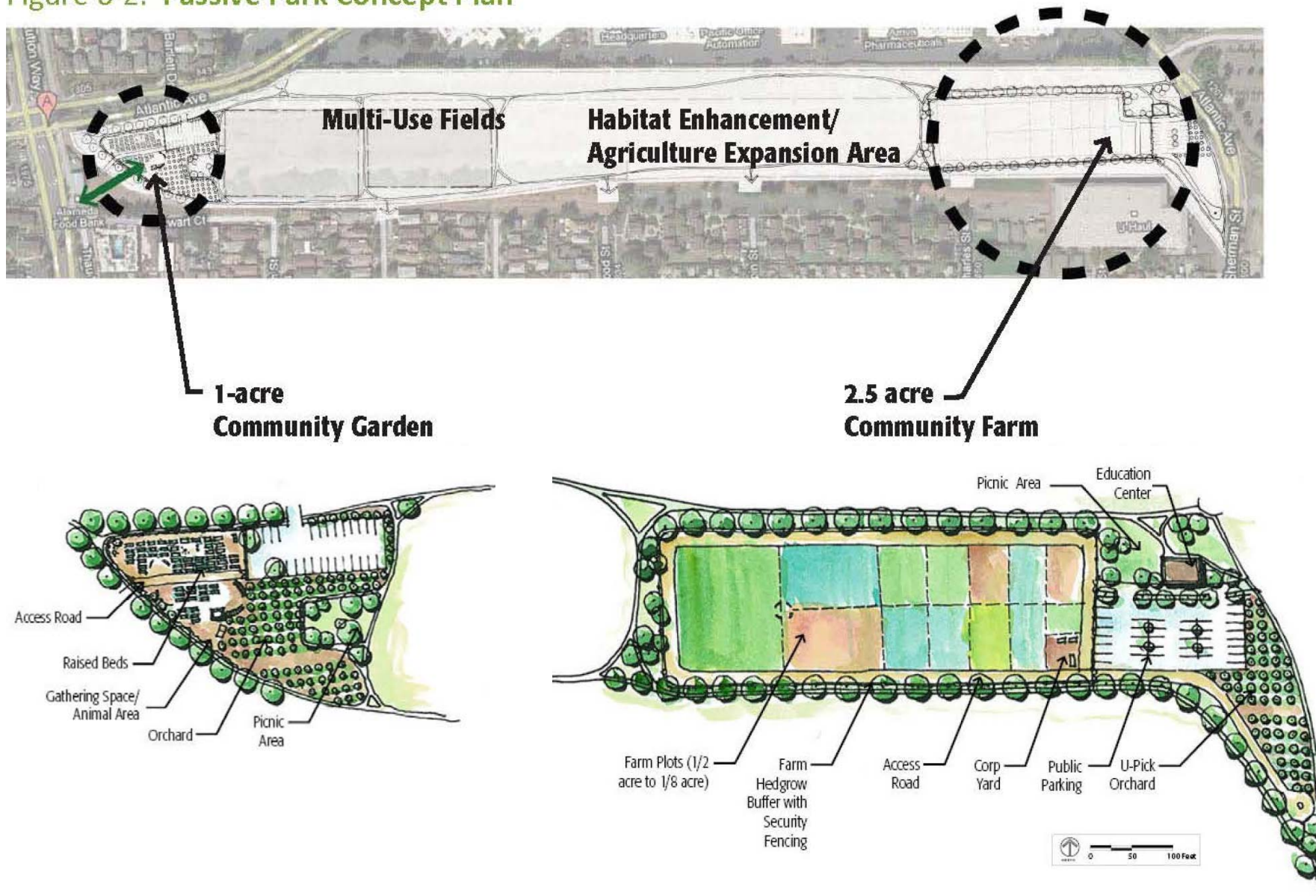


Figure 6-2: Passive Park Concept Plan





public health law & policy



URBAN FARM AND GARDEN PLAN

City of Alameda

Thank You

