



- **Build on Master Plan w/new perspective**
- **New solutions to a new problem**
- **Generate revenue and help become more self-sustaining**

### **Vision**

**To be a world-class botanic garden that is community oriented, educational, experiential and sustainable**

### **Mission**

**To improve the lives of people and foster environmental stewardship through horticulture**

## **project goals and objectives**

### **1. Create a welcoming and inspirational setting for performances and other events.**

- **Accomodate 1500 +/- visitors for performances**
- **Develop a garden setting that promotes the venue as the premier outdoor event space in Fort Collins**
- **Integrate overall gardens into performance venue experience**

### **2. Create an experiential oriented and immersive foothills landscape that captures and celebrates our regional context.**

- **Represent ecosystem through geology, slope relationships, and plant communities**
- **Avoid a display garden that becomes a collection of foothills plants**
- **Capture the prairie to foothills transect**

### **3. Develop Undaunted Garden in which xeriscape principles are easily translatable.**

- **Help dismantle the 'zeroscape' rock and cactus garden perception**
- **Four seasons appeal**
- **Allow for an active/engaging environment for learning and translation to home garden**

## Table of sound levels $L$ (loudness) and corresponding sound pressure and sound intensity

Sound Sources (Noise) Examples with distance	Sound Pressure Level $L_p$ dB SPL	Sound Pressure $p$ $N/m^2 = Pa$ sound field quantity	Sound Intensity $I$ $W/m^2$ sound energy quantity
Jet aircraft, 50 m away	140	200	100
Threshold of pain	130	63.2	10
Threshold of discomfort	120	20	1
Chainsaw, 1 m distance	110	6.3	0.1
Disco, 1 m from speaker	100	2	0.01
Diesel truck, 10 m away	90	0.63	0.001
Kerbside of busy road, 5 m	80	0.2	0.0001
Vacuum cleaner, distance 1 m	70	0.063	0.00001
Conversational speech, 1 m	60	0.02	0.000001
Average home	50	0.0063	0.0000001
Quiet library	40	0.002	0.00000001
Quiet bedroom at night	30	0.00063	0.000000001
Background in TV studio	20	0.0002	0.0000000001
Rustling leaves in the distance	10	0.000063	0.00000000001
Threshold of hearing	0	0.00002	0.000000000001



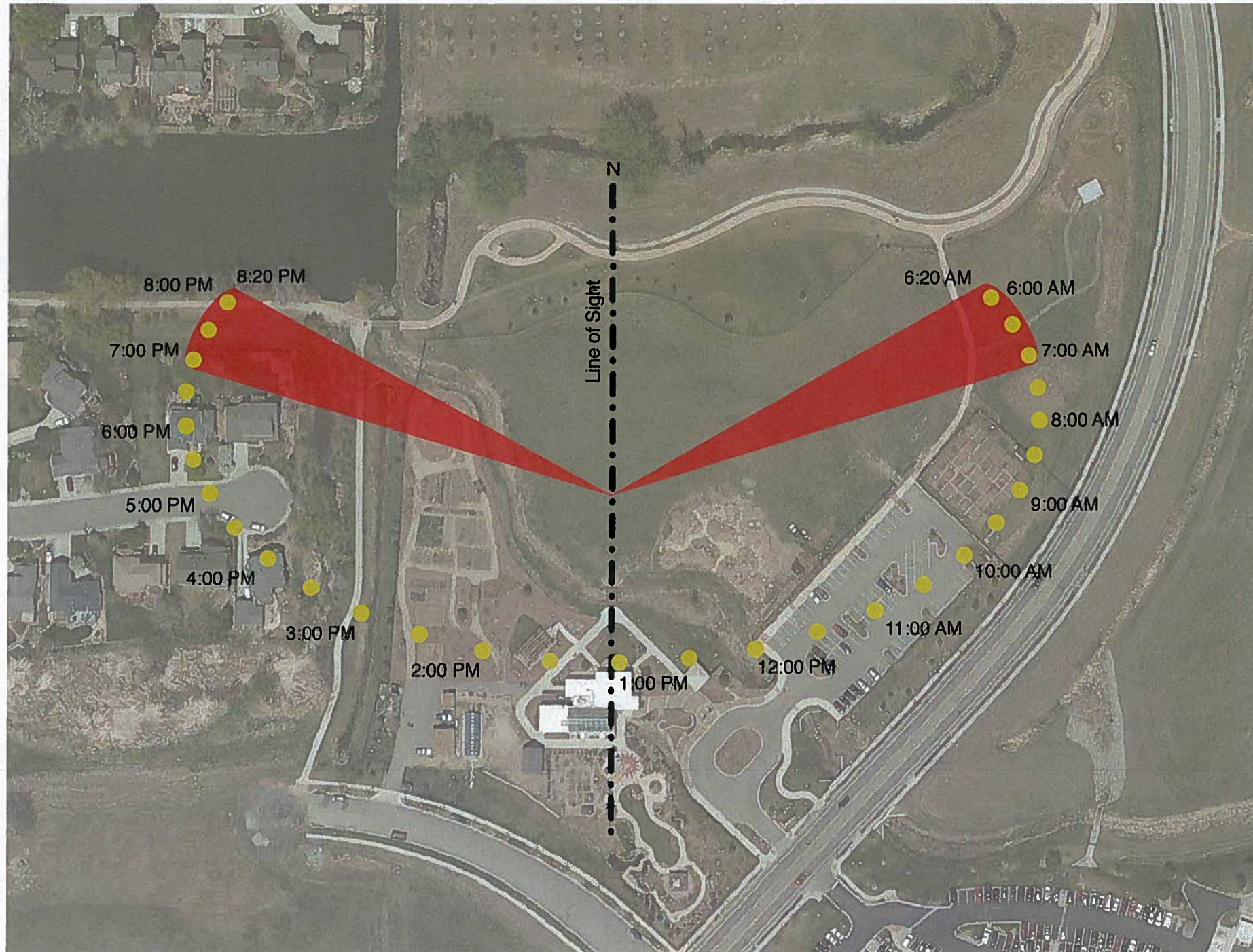
- Proposed Bike Parking - 300 spaces
- Future CSU Parking Garage - 300 Standard Stalls per level
- Surface Parking Total - 463 Standard Stalls
- MAX BRT Station

**Parking Totals:**

Bike Parking	- 300 Spaces
Surface Parking	- 463 Standard Stalls
	- 8 Bus Stalls
Parking Garage	- 600 Standard Stalls

Parking Ratio: 1.4





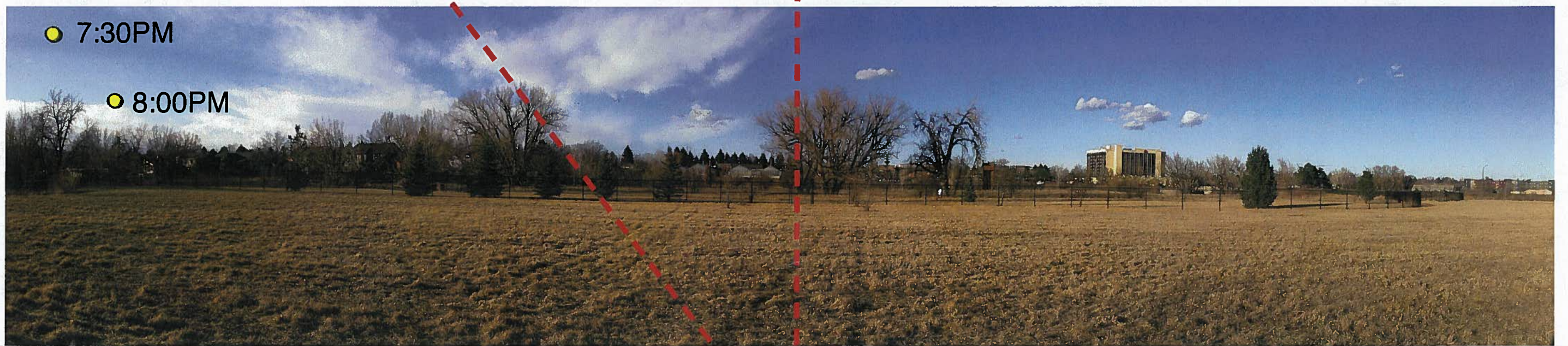
Summer Solstice: Sunrise/Sunset

25° NW

Line of Sight  
N

● 7:30PM

● 8:00PM



View looking North

**Sec. 20-23. Maximum permissible noise levels.**

(a) A noise measured or registered in the manner provided in § 20-24 from any source at a level which is in excess of the dB(A) established for the time period and zoning districts listed in this Section is hereby declared to be a noise disturbance and is unlawful. When a noise source can be identified and its noise measured in more than one (1) zoning district, the limits of the most restrictive zoning district shall apply.

Zoning Districts  
Maximum Noise [dB (A)]

**Areas zoned:**

- Low Density Residential (R-L)
- Urban Estate (U-E)
- Foothills Residential (R-F)
- High Density Mixed-Use Neighborhood (H-M-N)
- Low Density Mixed-Use Neighborhood (L-M-N)
- Medium Density Mixed-Use Neighborhood (M-M-N)
- Neighborhood Conservation Low Density (N-C-L)
- Neighborhood Conservation Medium Density (N-C-M)
- Neighborhood Conservation Buffer (N-C-B)
- Public Open Lands (P-O-L)
- River Conservation (R-C)
- Transition (T)

7:00 a.m. to 8:00 p.m. 55  
8:00 p.m. to 7:00 a.m. 50

**Areas zoned:**

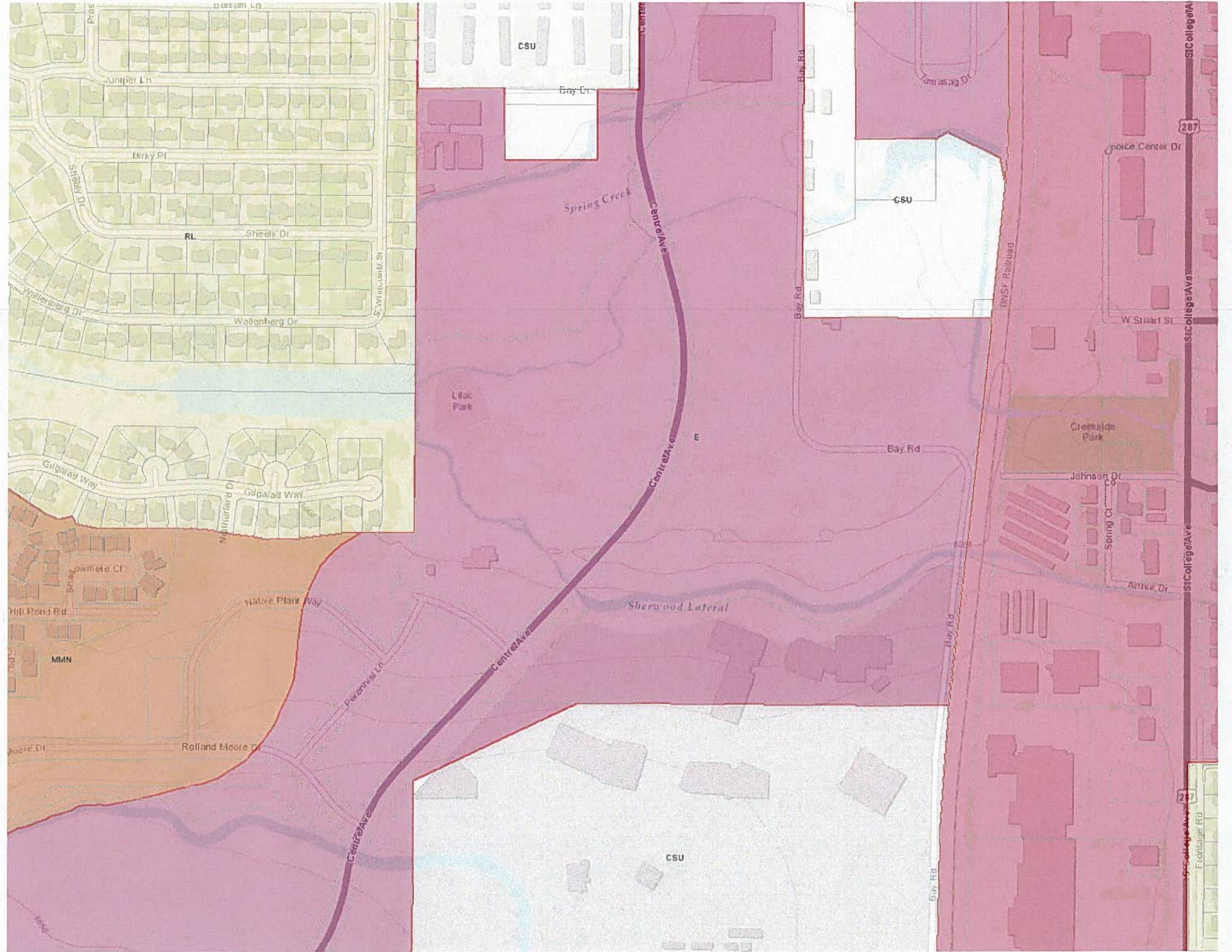
- Downtown Old City Center (D)
- Downtown Canyon Avenue (D-C-A)
- Downtown Civic Center (D-C-C)
- River Downtown Redevelopment Commercial (R-D-R)
- Community Commercial (C-C)
- Community Commercial North College (C-C-N)
- Community Commercial River (C-C-R)
- Commercial North College (C-N)
- Neighborhood Commercial (N-C)
- Limited Commercial (C-L)
- Harmony Corridor (H-C)

7:00 a.m. to 8:00 p.m. 60  
8:00 p.m. to 7:00 a.m. 55

**Areas zoned:**

Employment (E)

7:00 a.m. to 8:00 p.m. 70  
8:00 p.m. to 7:00 a.m. 65





**65 dBA at HOMES - NO SOUND BARRIER WALL - BASELINE MODELING**



**55 dBA at HOMES - 21' BARRIER WALL AT WEST**



**50 dBA at HOMES - 24' BARRIER WALL AT WEST**



**50 dBA at HOMES - 21' BARRIER WALL**



**55 dBA at HOMES - 21' BARRIER WALL AT WEST**

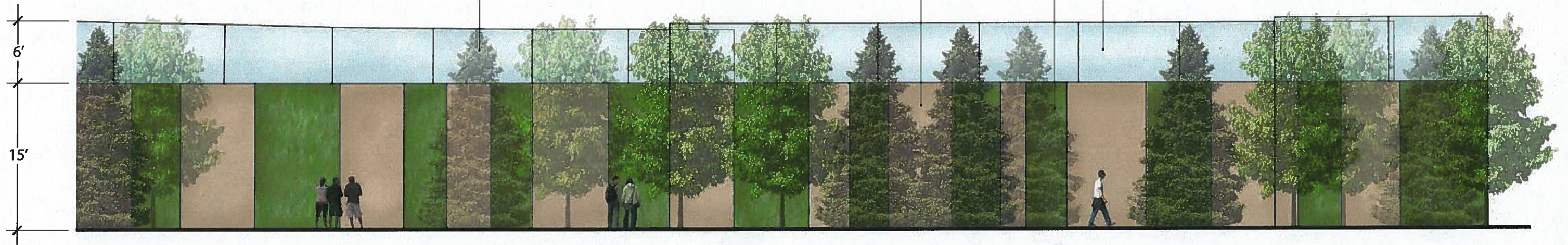


Backdrop Planting

Stucco material - Buff color

Green Screen - varying width along wall

Transparent acrylic material



Spring Creek Trail

Truck Back In

Backdrop Planting

Loading Dock  
42" height

Stage

Sound Walls

Arbor

Theme Gardens

Cafe Grove

Sherwood Lateral

Bike Parking

Stage Tents

Portable Bathrooms

Gate House

Single Track Trail

Rock Outcrops

Drainage Bioswale

Food Truck Parking

Terraced Amphitheater

Flagstone Paving

Existing Rock Garden

Ornamental Grove



GREAT LAWN  
1500 People +/-  
Lawn/Edge Seating









Terraced Amphitheater

Backdrop Planting

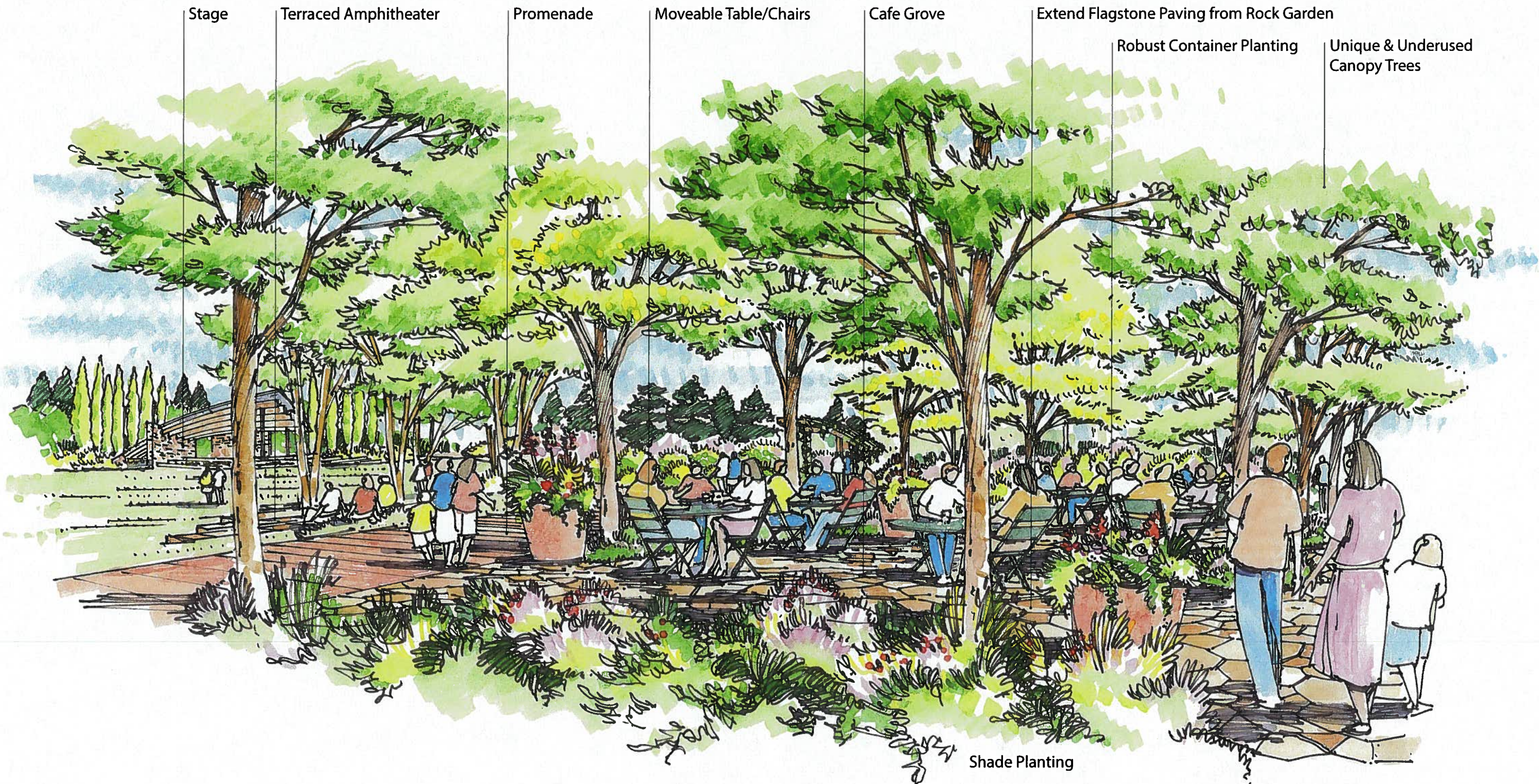
Stage

Great Lawn

Gate House

Food Trucks





Stage

Terraced Amphitheater

Promenade

Moveable Table/Chairs

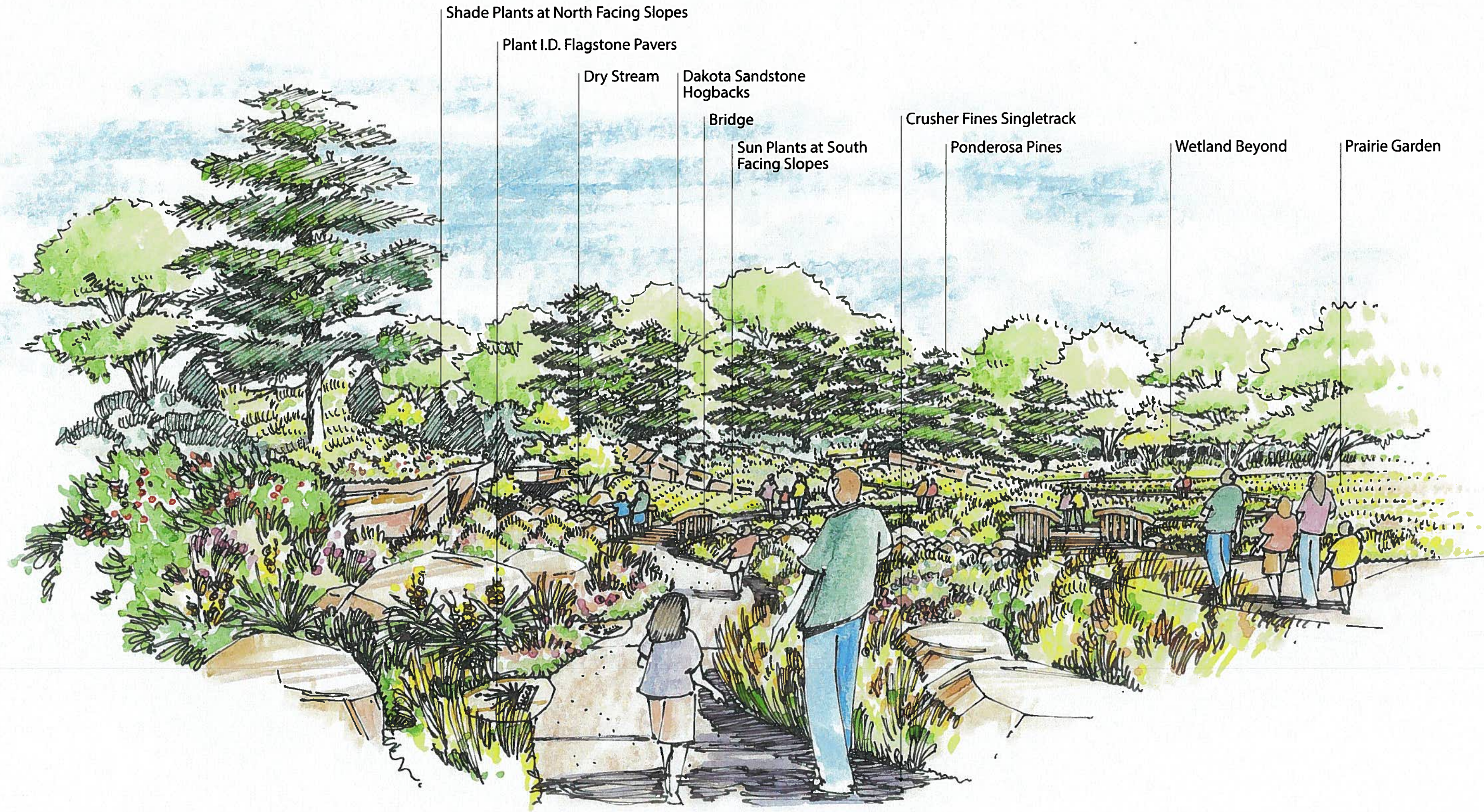
Cafe Grove

Extend Flagstone Paving from Rock Garden

Robust Container Planting

Unique & Underused Canopy Trees

Shade Planting



Shade Plants at North Facing Slopes

Plant I.D. Flagstone Pavers

Dry Stream

Dakota Sandstone Hogbacks

Bridge

Sun Plants at South Facing Slopes

Crusher Fines Singletrack

Ponderosa Pines

Wetland Beyond

Prairie Garden

Plant Select Garden

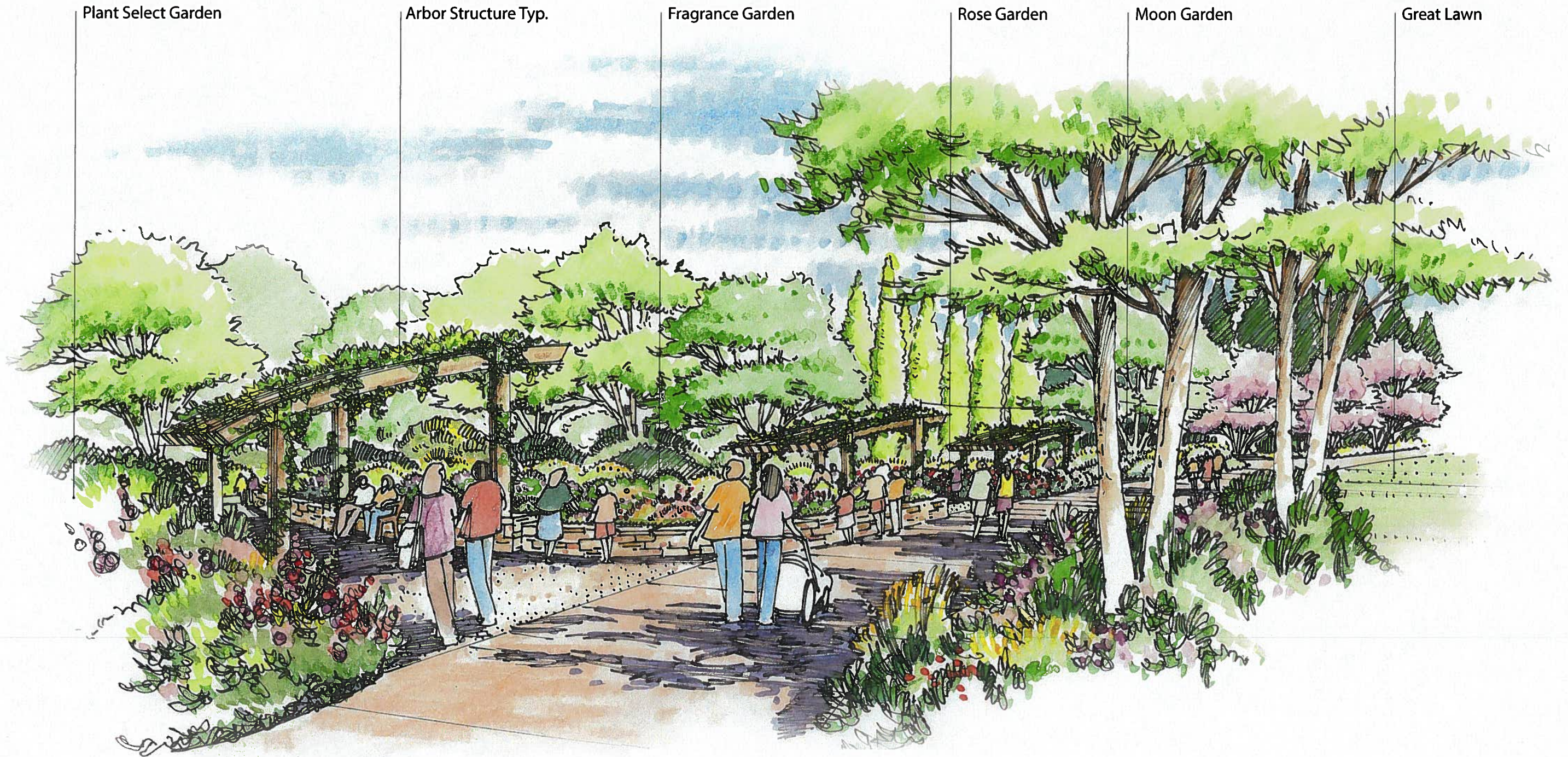
Arbor Structure Typ.

Fragrance Garden

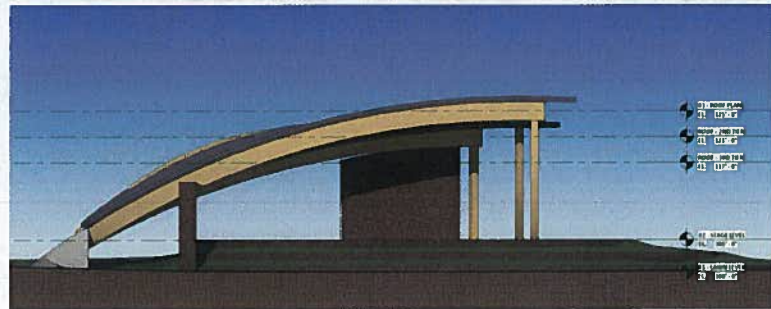
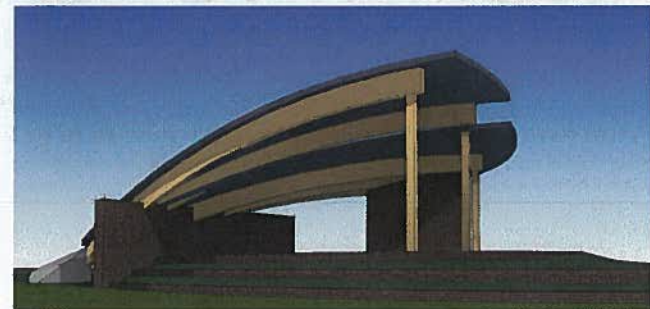
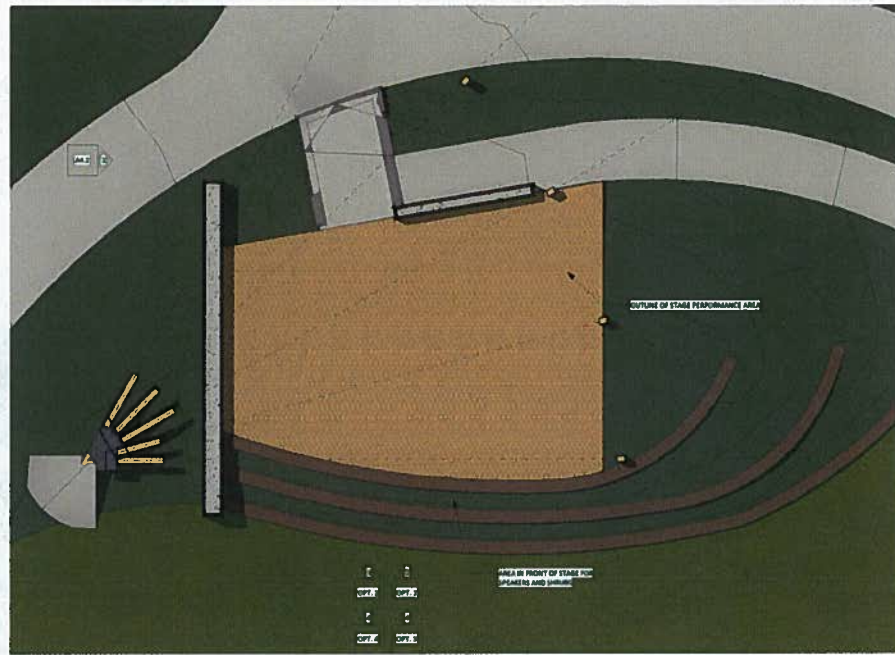
Rose Garden

Moon Garden

Great Lawn



Option 1



Option 2

