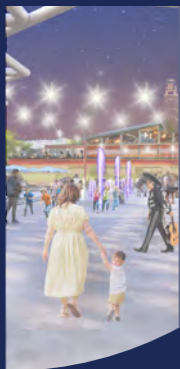




City of El Paso, Texas

Downtown Deck Plaza Feasibility Study

April 2025



**PHASE 2 REPORT:
IMPLEMENTATION MEMORANDUM**

Downtown Deck Plaza Feasibility Study

PHASE 2 REPORT: IMPLEMENTATION MEMORANDUM | April 2025

Prepared for:



Prepared by:



DOWNTOWN DECK PLAZA FEASIBILITY STUDY



DOWNTOWN DECK PLAZA FEASIBILITY STUDY

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VIEW ACROSS THE CENTER PLAZA AND PASEOS

► OVERVIEW

DOWNTOWN DECK PLAZA FEASIBILITY STUDY

1.1 Introduction

Phase 2 of the El Paso Deck Plaza Project builds upon the foundational work completed in Phase 1, which involved evaluating various conceptual designs and programming strategies. This phase focuses on advancing the project by preparing 30% schematic designs for the selected Full Deck Plaza concept. Additionally, Phase 2 aims to develop a comprehensive funding and implementation strategy, conduct a detailed economic assessment, and make recommendations for environmental assessments.

The technical assessment in Phase 2 is crucial for determining the feasibility of constructing the Deck Plaza over I-10 through downtown El Paso. This involves analyzing the structural and technical considerations within the Deck Plaza Assessment Boundary (**Figure-1**), which includes the sunken portion of I-10 from Prospect Street to Campbell Street and its immediate perimeter streets. The study addresses significant engineering challenges posed by the grade separation between the freeway lanes and surface streets, as well as the presence of supporting walls, elevated viaducts, overpasses, and subsurface utilities.

The findings are based on engineering judgment supported by limited analysis, suitable for developing Rough Order of Magnitude (ROM) costs for the potential Deck Plaza structures. These cost ranges are informed by metrics from recent relevant projects involving similar work activities required for construction of decks over freeways. The technical analysis identifies conceptual capital costs for Deck Plaza Schematic Design layouts, focusing on development and structural load capacity.

This Phase 2 Implementation Memorandum consists of the following tasks:

- **Task 100:** Landscape Architecture Schematic Design
- **Task 200:** Civil Engineering Schematic Design
- **Task 300:** Structural Schematic Design
- **Task 400:** Tunnel Systems
- **Task 500:** Illumination
- **Task 600:** Community Engagement – Summary
- **Task 700:** Environmental Documentation and Review
- **Task 800:** Funding and Implementation Strategy
- **Task 900:** Five-Year Pro Forma

By providing detailed schematic designs and robust feasibility analyses, Phase 2 aims to answer critical questions about the project's viability, including its structural feasibility, potential economic benefits, and environmental impact. This phase will equip the City of El Paso, partner agencies, and stakeholders with the necessary information to make informed decisions and guide the project towards successful implementation.



Figure-1 : Deck Plaza Assessment Boundary

1.2 Background

The El Paso Deck Plaza Project is an ambitious urban development initiative aimed at transforming a section of I-10 through downtown El Paso into a vibrant public space. The idea is to construct a deck over the freeway, creating a multi-use area that reconnects neighborhoods divided by the highway, enhances urban green spaces, and provides new recreational and cultural amenities.

HISTORICAL CONTEXT

The I-10 freeway, which runs through the heart of El Paso, has long been a significant barrier between communities. Built in the mid-20th century, the freeway facilitated regional transportation but also led to the physical and social separation of neighborhoods. Over the years, there has been growing interest in mitigating the negative impacts of such infrastructure by creating spaces that can bridge these divides. (**Figure-2**)

PROJECT GENESIS

The concept of the Deck Plaza emerged from community-driven efforts and urban planning initiatives aimed at revitalizing downtown El Paso. The idea gained traction as similar projects in other cities demonstrated the benefits of placing decks over freeways. These benefits include increased property values, improved air quality, enhanced pedestrian connectivity, and the creation of new public spaces.

FEASIBILITY STUDY

To explore the viability of the Deck Plaza, the City of El Paso, in collaboration with the Deck Plaza Foundation and other stakeholders, initiated a comprehensive feasibility study. This study is divided into multiple phases:

- **Phase 1:** Focused on establishing a conceptual framework and evaluating various conceptual designs and programming strategies.
- **Phase 2:** Involves preparing 30% schematic designs, developing funding and implementation strategies, conducting detailed economic assessments, and making recommendations for environmental assessments.



Figure-2 : Historic Photos Of El Paso



DOWNTOWN DECK PLAZA FEASIBILITY STUDY

1.3 Technical And Financial Aspects Of Phase 2

Phase 2 of the project is designed to understand the range of technical and financial feasibility of constructing the Deck Plaza over the freeway and to explore opportunities for maximizing public benefits. The technical aspect of the study identifies locations where the freeway can be spanned to support development, ranging from open spaces or landscaping to various types of structures. This involves analyzing the structural and technical considerations within the defined Deck Plaza Assessment Boundary, which includes the sunken portion of I-10 from Prospect Street (west) to Campbell Street (east) and its immediate perimeter streets Yandell (north), and Wyoming (south).

The financial aspect analyzes the feasibility related to the range of benefits of the Deck Plaza, considering the real estate market, funding and financing options, construction and phasing, operations and maintenance (O&M) costs, as well as various governance models. The findings are based on engineering judgment supported by limited analysis, suitable for developing Rough Order of Magnitude (ROM) costs for the potential Deck Plaza structures. The technical analysis identifies conceptual capital costs for Deck Plaza geometric layouts, focusing on development and structural load capacity.

OBJECTIVES

The primary objectives of the El Paso Deck Plaza project are to:

- Reconnect divided neighborhoods.
- Create new green spaces and recreational areas.
- Enhance urban aesthetics and livability.
- Promote economic development and increase property values.
- Improve environmental quality and pedestrian connectivity.

Addressing these objectives aims to transform downtown El Paso into a more cohesive, vibrant, and sustainable urban environment.

GOALS

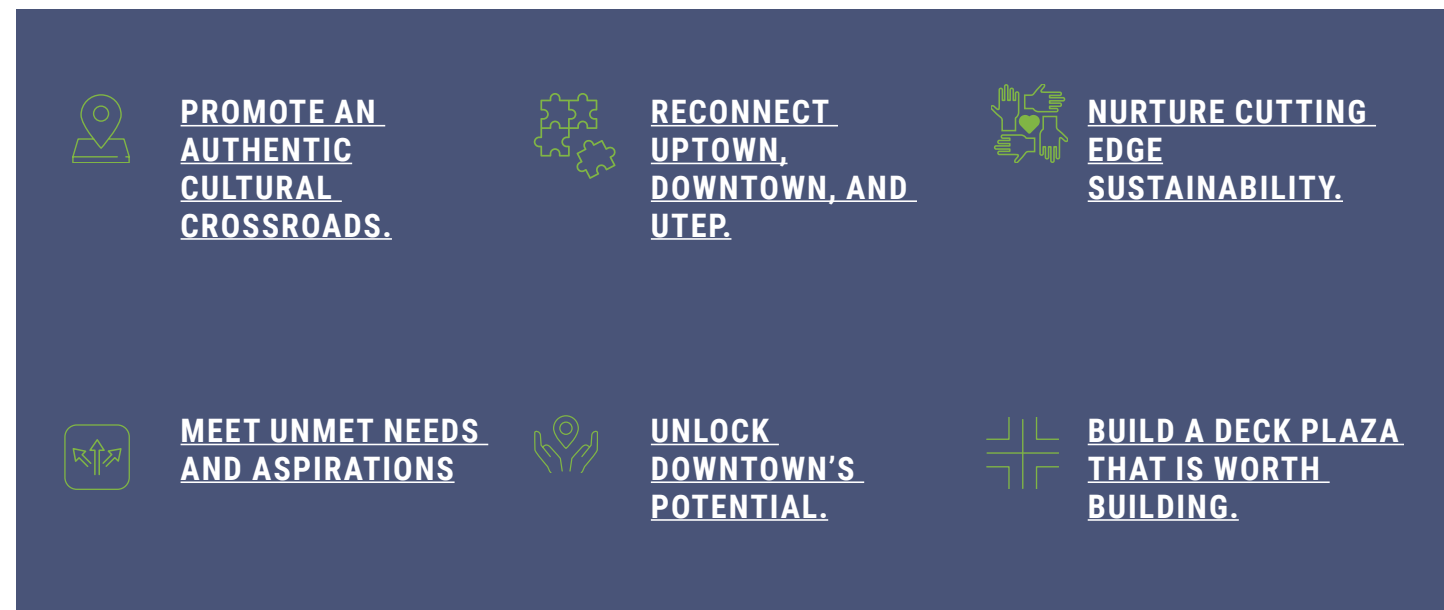


Figure-3 : Goals

1.4 Data Collection And Basemap Compilation

As part of this phase, no new surveys were conducted. Instead, requests were made to various asset owners, including TXDOT, the City of El Paso, Sun Metro Transit, El Paso Public Utilities, and other open file sources, to gather existing information within the Deck Plaza Assessment Boundary and surrounding area. The goal was to compile an approximate basemap using the available data.

The information received from these sources included GIS data, old surveys, Lidar data, and drawings from TXDOT. However, discrepancies were encountered in the provided information. To address these inconsistencies, refinements were made based on visual observations from photos and in-person site walks. This approach ensured that the compiled basemap was as accurate and reliable as possible given the limitations of the existing data.

The basemap used to develop the urban design and 30% schematic design plans was based on TXDOT's Alternative "I" (**Figure-4**). This provided a foundational framework for the project's development, ensuring alignment with proposed TXDOT infrastructure plans and facilitating a more streamlined design process.

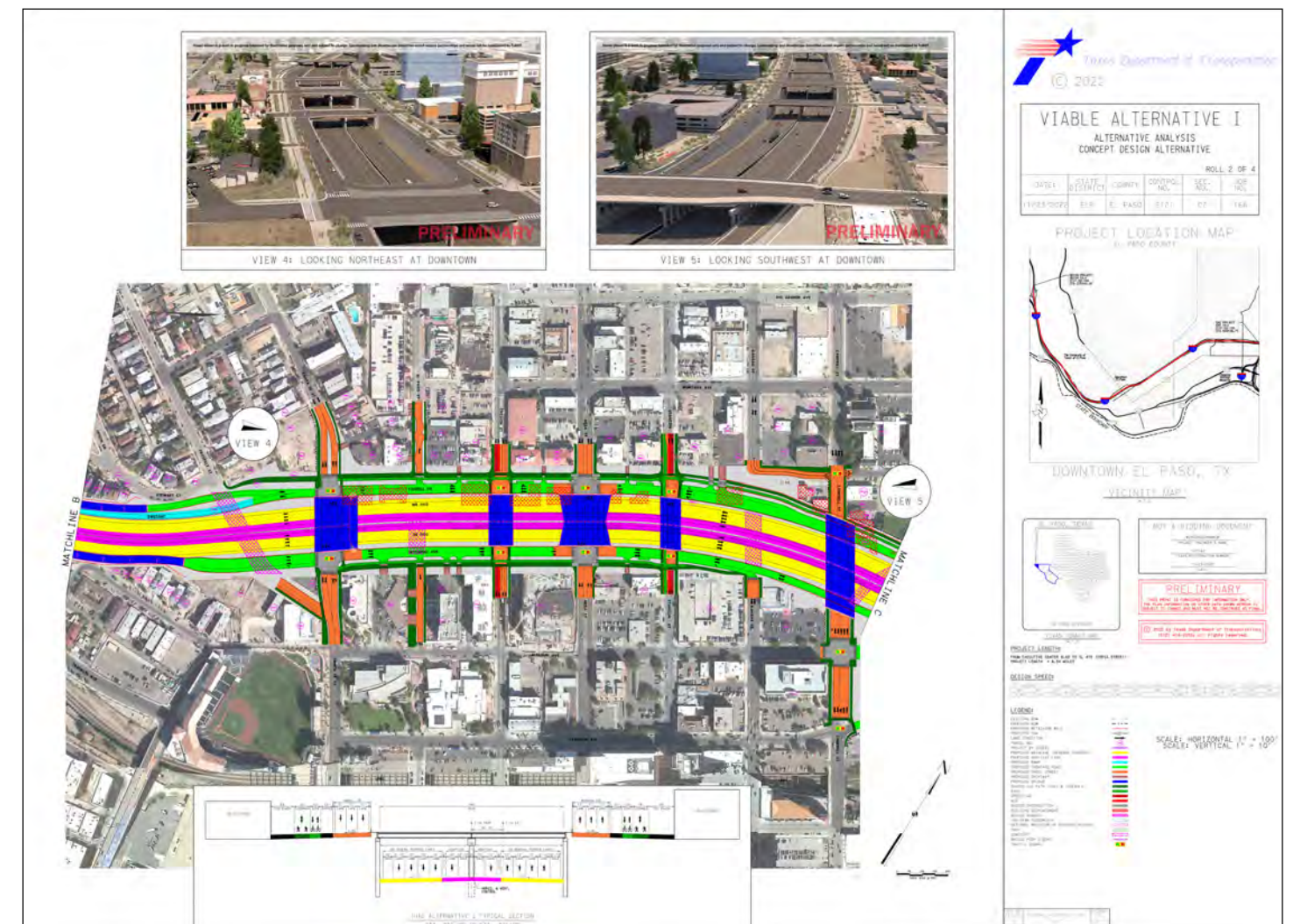


Figure-4 : TXDOT's Alternative "I"

DOWNTOWN DECK PLAZA FEASIBILITY STUDY

1.5 Existing Conditions within the Deck Plaza Assessment Boundary

The Deck Plaza Assessment Boundary encompasses a sunken portion of I-10 from Prospect Street to Campbell Street, along with its immediate perimeter streets, Yandell (north) and Wyoming (south). This area presents several notable existing conditions that influence the feasibility and design of the Deck Plaza Project:

1. Grade Separation

The I-10 freeway in this section is significantly lower than the surrounding surface streets, creating a substantial grade separation. This difference in elevation poses engineering challenges for spanning the freeway with a deck structure.

2. Supporting Walls and Infrastructure

Extensive retaining walls support the city streets on either side of the freeway. These walls are crucial for maintaining the structural integrity of the surrounding infrastructure and will need to be considered in the design of the Deck Plaza.

3. Elevated Viaducts and Overpasses

The area includes several elevated viaducts and overpasses that cross the freeway. These structures add complexity to the design and construction of the Deck Plaza, as they must be integrated into the overall plan without compromising their functionality.

4. On- and Off-Ramps

Multiple on- and off-ramps connect the freeway to the local street network within the assessment boundary. These ramps are essential for traffic flow and will need to be carefully incorporated into the Deck Plaza design to ensure continued accessibility.

5. Subsurface Utilities

The area contains various subsurface utilities, including utility mains and laterals. These utilities are critical for city services and will require careful mapping and consideration during the design and construction phases to avoid disruptions.

6. Urban Environment

The assessment boundary is in a dense urban environment, characterized by a mix of commercial, residential, and public spaces. This urban context provides opportunities for the Deck Plaza to enhance connectivity and create new public amenities, but also requires careful planning to minimize disruptions to existing activities.

7. Traffic and Pedestrian Flow

The existing traffic patterns and pedestrian flow within the assessment boundary are important considerations. The Deck Plaza Project aims to improve pedestrian connectivity and safety while maintaining efficient traffic flow on both the freeway and surface streets.

Understanding these existing conditions allows the feasibility study to tackle the technical and logistical challenges of constructing the Deck Plaza, ensuring the project is both viable and beneficial to the community (**Figure-5&6**).



Figure-5 : Existing Conditions Plan

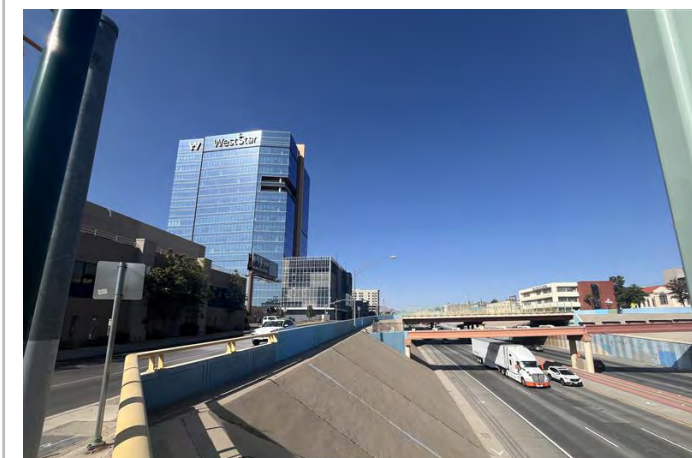


Figure-6 : Existing Conditions Photos



CITY GARDEN AND EVENT PLAZA

► **TASK 100:** **LANDSCAPE ARCHITECTURE** **30% SCHEMATIC DESIGN**

City of El Paso | Downtown Deck Plaza Feasibility Study

Phase 2 Implementation Memorandum | April 2025

TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

2.1 Programming the Plaza

Urban parks are essential for community engagement and environmental stewardship. When programming the El Paso Deck Plaza, a comprehensive site analysis and needs assessment was conducted to align with community goals and priorities. During this phase, site programming priorities were considered as framework plans were developed. Close collaboration with the public and key stakeholders was essential to gain a clear understanding of their goals and priorities.

It is crucial for visitors to the Deck Plaza to feel safe and comfortable at all times of the day, every day of the week, and throughout the year. The deck should feel welcoming, whether it is hosting crowds of thousands for a big event or festival, or just a few people eating lunch on a weekday.

Programming within the Deck Plaza is more than just an organizational tool; it connects the park to its community, inviting diverse groups to engage in various activities. Programmed activities are crucial in creating a vibrant social atmosphere, providing spaces for play, exercise, and socialization. They also contribute to sustainability and resilience, helping to mitigate urban heat island effects and noise pollution, ultimately fostering a better-connected, more equitable El Paso.

The relationship between programming and funding is increasingly important, with events often generating revenue for park maintenance and development. The success of these programs depends on the compatibility and cooperation between different activities, ensuring a harmonious coexistence that maximizes the use of space and time.

Programmed spaces in the Deck Plaza are designed to be inviting, promoting gatherings and activities that encourage social media sharing, while attracting both local residents and visitors. While the natural beauty of the park draws people in, it is the programming that enriches their experience, making it truly unforgettable and fostering a lasting connection with the space (Figure-8).

To achieve these goals, we collaborated extensively with the community and key stakeholders. Their input was invaluable in shaping **The List Of Amenities And Programming Activities**, ensuring that the Deck Plaza meets the diverse needs and desires of its users. Through public meetings, surveys, and workshops, we gathered a wealth of ideas and feedback that informed our planning process (Figure-7).

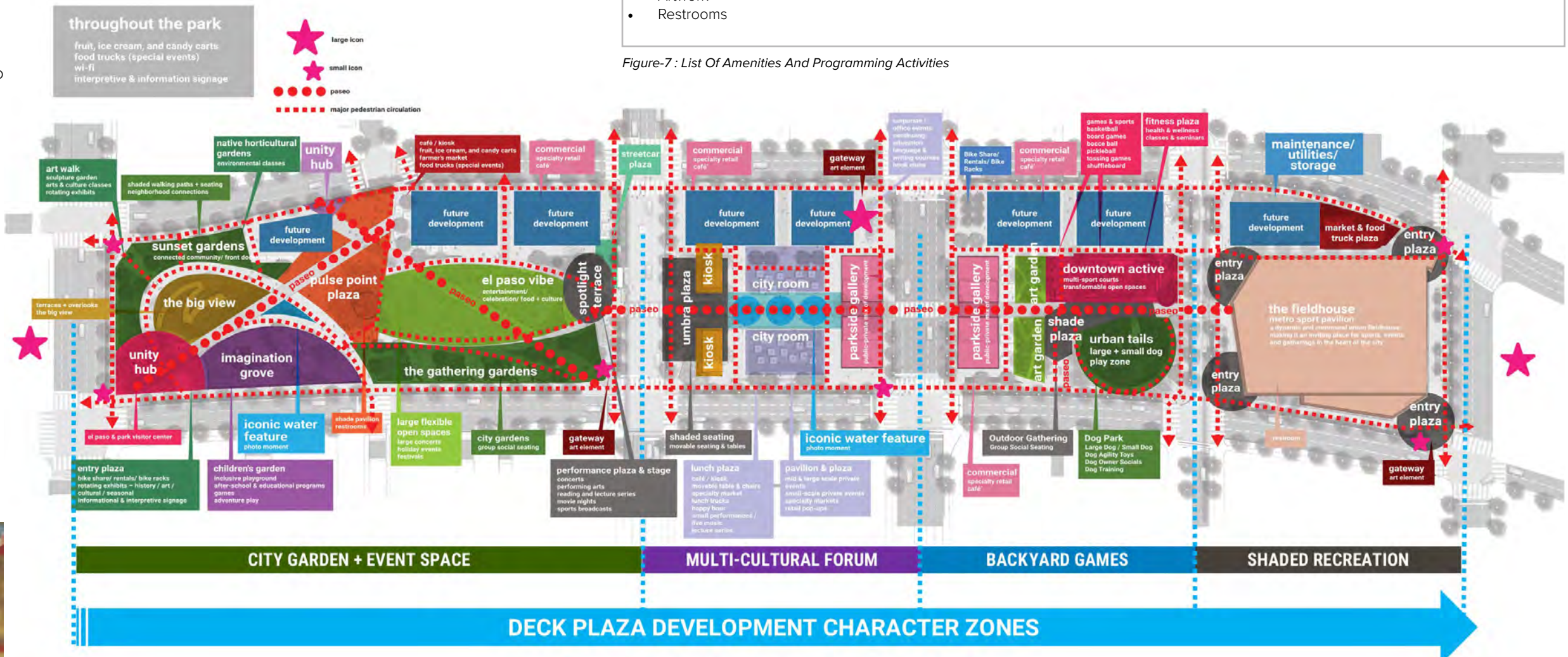


Figure-8: Programming Mapping



TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

2.2 El Paso Deck Plaza: The Heartbeat of Our Community

Public spaces like the El Paso Deck Plaza are more than just physical locations; they are the heartbeat of our community. These spaces—parks, plazas, streets, and sidewalks—are essential for fostering social interaction, recreation, and cultural expression.

The El Paso Deck Plaza is designed to be a vibrant, inclusive space where people from all walks of life can come together. Additionally, its thoughtful design and management are crucial for urban planning and development, while contributing to the growth of a thriving and resilient environment. By prioritizing accessibility, sustainability, and community engagement, the El Paso Deck Plaza will serve as a cornerstone for social connection and cultural enrichment, enhancing the quality of life for all residents.



Figure-9 : City Garden + Event Space

2.3 El Paso Deck Plaza Landscape Architecture Design Guide

This guide aims to support successful public space architecture by considering various approaches to:

- **Social Connections:** Creating spaces that foster community interaction.
- **Placemaking:** Designing areas that reflect the unique character and needs of the community.
- **Sustainability and Resilience:** Integrating natural elements to enhance the urban environment.
- **Universal Design and Safety:** Ensuring accessibility for all users.
- **Public Art Integration:** Incorporating art to enrich the cultural experience.
- **Active Transportation:** Promoting walking, cycling, and other forms of active transport.
- **Function and Operation:** Maintaining aesthetic appeal, functionality, and safety over the long term.
- **Relevant Codes and Standards:** Agencies and their guidelines play a crucial role in shaping the design and implementation of the Downtown El Paso Deck Plaza.

Space Attributes

The design of the El Paso Deck Plaza should cater to a diverse range of activities, both planned and spontaneous. Features should include:

- **Programmed Activities:** Providing seating, tables, and shade to encourage use.
- **Flexibility:** Accommodating various user-planned activities, such as performances, games, or solitary reading.



Figure-10 : Social Spaces

2.3.1. SOCIAL CONNECTIONS IN THE EL PASO DECK PLAZA URBAN DESIGN

The design of the El Paso Deck Plaza should prioritize fostering social connections within the community. Public spaces play a crucial role in bringing people together and providing opportunities for interaction, which can help break down social barriers, promote a sense of belonging, and contribute to overall community well-being. Here’s how these principles should be integrated into the urban design of the El Paso Deck Plaza:

Promoting Social Interaction through Design

Thoughtful design is key to facilitating social interaction within public spaces. For the El Paso Deck Plaza, this means:

- **Seating Arrangements:** Arranging seating to encourage conversation and interaction among visitors. This could include clusters of benches or chairs that face each other, creating natural spots for dialogue.
- **Gathering Spaces:** Creating various gathering spaces that can accommodate different group sizes, from small, intimate settings to larger communal areas. These spaces should be flexible to support both formal and informal gatherings.
- **Amenities:** Providing amenities such as playgrounds, sports facilities, and educational gardens. These features encourage people to engage in activities together, fostering a sense of community and social connection.

Integrating Community-Based Activities

The El Paso Deck Plaza should be designed to host a wide range of community-based activities, which can bring people together and create shared experiences. This includes:

- **Versatile Spaces:** Designing spaces that can accommodate outdoor markets, concerts, festivals, and other cultural events. These versatile areas should be adaptable to various types of activities, ensuring they can meet the diverse needs of the community.
- **Engagement Opportunities:** Creating opportunities for people to come together, share experiences, and engage with their neighbors. This can be achieved by providing spaces that are easily accessible and inviting for all community members.

TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

2.3.2 PLACEMAKING: ENCOURAGING CULTURAL EXPRESSION AND IDENTITY

Reflecting the unique culture and identity of the El Paso community is essential in the design of the Deck Plaza. This can be achieved through:

- **Local Art:** Incorporating local art and historical elements into the design. Murals, sculptures, and other art installations can celebrate the community's heritage and culture.
- **Reflecting Character:** Using design features that reflect the character of the surrounding area. This includes architectural styles, materials, and landscaping that resonate with the local environment.
- **Celebrating Heritage:** Celebrating local culture and heritage through design elements that foster a sense of pride and belonging among community members. This can help create a shared sense of identity and strengthen social connections.

2.3.3 SUSTAINABILITY AND RESILIENCE: INTEGRATING NATURAL ELEMENTS TO ENHANCE THE URBAN ENVIRONMENT

The natural environment is the heart and soul to the City of El Paso. With the majestic views of the Franklin Mountains, the green farming fields, and the flowing Rio Grande River, it is essential that the design for the El Paso Deck Plaza incorporates green initiatives that will not only bring nature back to the urban environment but will also help in protecting the existing Sunset Heights Historical Area and Downtown.

Landscape Elements

Vegetation: Incorporate drought-tolerant native and adaptive plantings to reduce the heat island effect, clean the air, lower ambient temperature, reduce storm water runoff, provide wildlife habitats, and offer shade.

- El Paso's high desert climate, within the Chihuahuan Desert ecosystem, supports diverse native flora like yuccas, agaves, and cacti. These drought-resistant plants are well-adapted to arid conditions. **The City of El Paso's approved plant list and Downtown Tree Master Plan** includes many of these species, promoting sustainable landscaping that conserves water and enhances local biodiversity, supporting the region's ecological health and water conservation efforts (**Refer to 2.3.8**).

[illegible]

Figure-11 : Drought-Tolerant Native And Adaptive Plantings

Storm Water Management

- **Paved Areas:** Ensure slopes of 2 percent minimum away from buildings to a curb line, inlet, or drainage way for positive drainage of surface water.
- **Pervious Pavers:** Consider using pervious pavers that are ADA compliant with joints less than 1/2 inch wide. Choose materials that reduce the “heat island effect.”

Water Conservation

- **Low Water Consumption:** Prioritize low water consumption, especially in the dry El Paso climate with high evaporation rates.
- **Non-Potable Water Sources:** Utilize non-potable water for features and maintenance.

Energy Conservation

- **Efficient Fixtures:** Incorporate energy-efficient light fixtures, signage, and other equipment on the plaza to reduce energy consumption.
- **Renewable Energy:** Implement the use of renewable energy features such as solar panels and small wind turbines to utilize the abundance of sun and wind in the powering of electrical features.

Waste Reduction

- **Recycling:** Provide recycling bins and encourage waste reduction among visitors.



Figure-12 : Waste Recycling Program

Resilience Guidelines

- **Climate Adaptation:** Design the Deck Plaza to withstand extreme weather conditions, such as using heat-resistant materials and ensuring proper drainage systems.
- **Flexible Design:** Create multi-functional spaces that can be easily adapted for various uses and events.
- **Community Involvement:** Engage local communities in the planning, design, and maintenance processes to ensure the Deck Plaza meets their needs and fosters a sense of community ownership and stewardship.
- **Safety and Security:** Ensure the Deck Plaza is well-lit, equipped with observation systems and includes comprehensive emergency response plans. Incorporate Crime Prevention Through Environmental Design (CPTED) principles like natural observation by maximizing visibility with open sightlines, adequate lighting, and strategically placed seating. This approach will enhance the safety and security of the plaza, making it a welcoming and resilient space for the community.
- **Maintenance and Upkeep:** Establish regular maintenance schedules and involve the community in upkeep activities to ensure the Deck Plaza remains in good condition. Encourage community members to take on ownership.

TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

2.3.4 UNIVERSAL DESIGN AND SAFETY FOR EL PASO DECK PLAZA

- Access to Features:** Ensure that landscaping, level changes, or other architectural barriers do not prevent users from accessing amenities such as public art, water features, seating, and water fountains.
- Accessibility and Inclusivity:** Design public spaces to accommodate people of all ages, abilities, and backgrounds. This includes wheelchair access, clear wayfinding, and amenities that cater to a wide range of users. Universal design aims to create environments that are intuitive, comfortable, and accommodating for everyone, promoting a welcoming atmosphere and a sense of community.
- Accessible Routes:** Design masonry and other hard surfaces with compliant slopes that meet ADA standards and properly direct rainwater. Incorporate ramps, elevators, railings, and other accessibility elements as required by local building codes and ADA standards. Ensure these features accommodate wheelchairs, strollers, and walkers without compromising aesthetics. Maintain grass and earth-covered areas to ensure compliant routes and ground surfaces.

2.3.5 PUBLIC ART INTEGRATION: INCORPORATING ART TO ENRICH THE CULTURAL EXPERIENCE.

- Public Art:** Public art will be a key feature of the plaza, not only beautifying the space but also telling the unique story of El Paso. The artwork will be strategically placed throughout the plaza, ranging from large iconic sculptures to smaller interactive installations that encourage engagement. These art pieces may reflect local artists' contributions, representing the area's history, multicultural influences, and natural landscape. Through artistic expression, the plaza will become a space for people to gather, reflect, and engage with their surroundings. Public art will also serve as a major draw for visitors, creating memorable moments and providing photo- worthy spots.
 - Sculpture:** In and around the Deck Plaza, sculptures may be provided as part of the Public Art Program, which mandates that 2% of the budget from every Capital Improvement Project is allocated for the acquisition of art for municipal properties. Under this program, the site designer coordinates with the sculptor, who is selected under a separate contract. It is crucial for the artist and the A/E (Architect/Engineer) to collaborate on the art installation, ensuring seamless integration with the overall design. This includes planning how people will move to and from the art pieces and how the art and the surrounding environment can complement each other.
- Wayfinding:** An effective wayfinding system ensures that visitors can navigate the plaza and surrounding areas with ease. This system will go beyond simple functionality; it will be an integral part of the plaza's overall aesthetics. The design will likely feature color-coded paths, area markers, directional signs, and information kiosks, all using a visual language that resonates with El Paso's culture and environment. The signage will be designed to be easily readable and clear, ensuring that visitors can find their way day or night, creating a seamless and pleasant experience.
- Branding:** The branding of El Paso Deck Plaza will give the space a distinct identity, turning it into a recognizable landmark. This will be achieved through the careful selection of fonts, colors, patterns, and graphics, which will not only be present on signage but also extend to street furniture, lighting, seating, railings, and more. The branding will artfully blend El Paso's history, cultural heritage, and modern energy, creating a visual experience that resonates with the community. Additionally, the branding will be consistent across various platforms, such as social media and merchandise, helping to increase the plaza's visibility and appeal.



Figure-13 : Sun Pavilion At Night | Photo @ A. Zahner Company

2.3.6 ACTIVE TRANSPORTATION: PROMOTING WALKING, CYCLING, AND OTHER FORMS OF ACTIVE TRANSPORT.

- Encouraging Walkability and Bikeability:** To promote walking and cycling, public spaces should be designed with features that make these modes of transportation readily accessible, safe, comfortable, and enjoyable. This includes wide sidewalks, dedicated bike lanes, traffic-calming measures, and ample seating and shade for pedestrians. Additionally, providing amenities such as bike racks and repair stations can encourage more people to choose active transportation.
- Connecting Public Spaces through Green Corridors:** Green corridors, which are linear parks or pathways connecting different public spaces, help create a cohesive network of active transportation routes throughout a city. By designing green corridors that link parks, plazas, and other public spaces, architects can promote active transportation and provide safe, enjoyable routes for pedestrians and cyclists.
- Bicycle Racks:** Bicycle racks should be placed within 200 feet of any functional entrance to plazas. These locations should be highly visible to building occupants, security personnel, and general traffic. Racks must accommodate bicycle locks and be compatible with the building and site design. Providing secure and convenient bicycle storage encourages their use.



Figure-14 : Walkability and Bikeability

2.3.7 FUNCTION AND OPERATION:

Maintenance: The long-term upkeep of landscape elements, lighting, fountains, and other features is a key consideration throughout the design and project phases. Maintenance equipment should be operational and readily available for use.

- Site and Pedestrian Lighting:** Lighting plays a crucial role in both the safety and atmosphere of the plaza. The design will include carefully placed, energy-efficient lighting that enhances visibility and ensures safe navigation for pedestrians, particularly during evening and nighttime hours. Pathways, entrances, and key gathering areas will be well-lit to provide a welcoming and secure environment. Beyond safety, the lighting design will also emphasize the aesthetic qualities of the space. Architectural lighting will highlight key features such as sculptures, planting areas, and unique architectural elements. LED or solar-powered lighting solutions may be considered, not only for their sustainability but also for their flexibility in creating various lighting effects, such as color-changing lights for special events or subtle lighting to create a tranquil atmosphere in specific zones. The lighting design will aim to balance functionality with creativity, ensuring that the plaza is not only well-lit but also visually striking. By incorporating smart lighting technologies, it could adjust to different times of day, seasons, or events, contributing to an adaptable and dynamic experience for visitors. This thoughtful approach to lighting will make the plaza a safe, inviting, and vibrant space both during the day and after dark.

Cost-Effective Maintenance: Routine and preventative maintenance of landscape elements, water features, and artwork should be planned to ensure it can be performed at a reasonable cost. This approach helps reduce maintenance expenses and increases property value.

Durable Materials:

- Weather Resistance:** Select materials that can withstand local weather conditions, including extreme heat, cold, and precipitation. This reduces the need for frequent replacements and repairs.
- Vandalism and Wear Resistance:** Use materials resistant to vandalism, such as anti-graffiti coatings and durable metals that do not require repainting. This helps maintain the Deck Plaza's appearance and reduces maintenance costs.

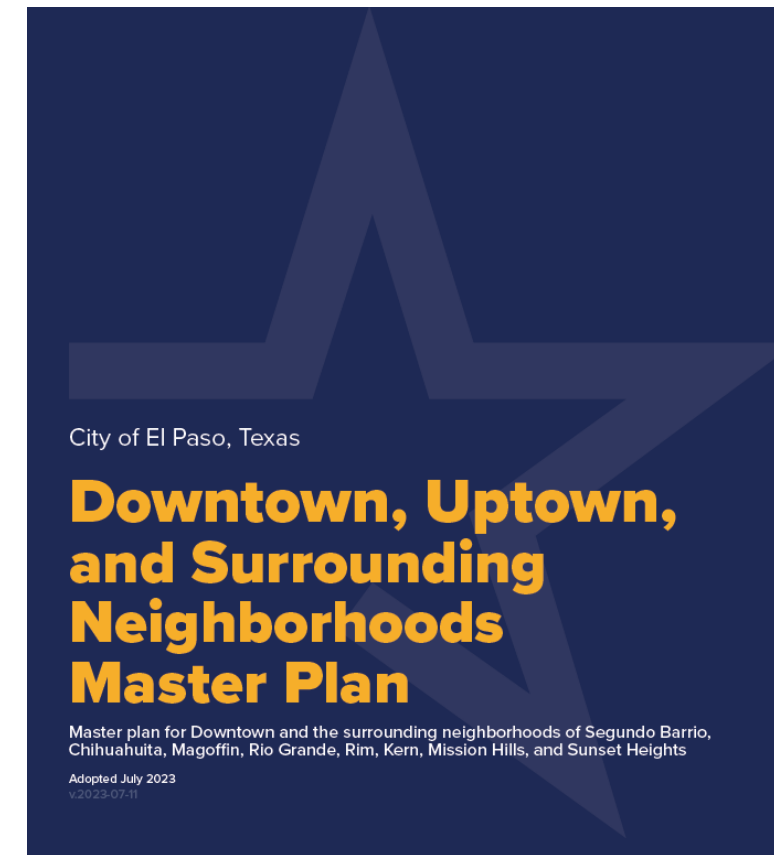
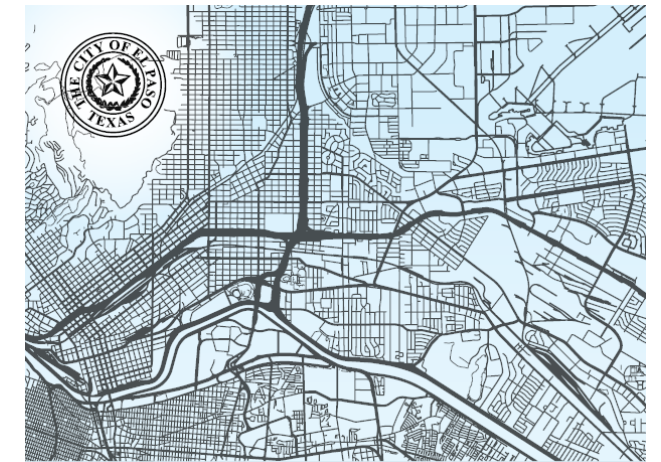
Water Feature Maintenance: Design water features with easy maintenance in mind. Ensure they have accessible shut-off valves and drainage systems for winterization and cleaning. Use materials that resist algae growth and corrosion.

TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

2.3.8 RELEVANT CODES AND STANDARDS:

The design of the El Paso Deck Plaza must adhere to codes and standards set by various agencies and organizations. These codes and standards represent minimum requirements. Landscape architects, planners, engineers, architects, and consultants are encouraged to exceed these minimum requirements whenever possible to ensure the highest quality and safety. This list is not comprehensive and is provided solely as an aid to help the project. Additional research and consultation with relevant authorities will be necessary to ensure full compliance with all applicable regulations and standards.

- **Plan El Paso. City of El Paso Planning and Inspections Department: Oversees building permits, inspections, and zoning regulations.**
<https://www.elpasotexas.gov/planning-and-inspections>
- **Texas Department of Transportation (TxDOT): Manages transportation infrastructure projects, including the I-10 Deck Plaza.**
<https://www.txdot.gov/>
- **Paso del Norte Community Foundation: Supports the Downtown Deck Plaza project and provides information on public art and community engagement.**
<https://pdnfoundation.org/>
- **U.S. Department of Transportation (USDOT): Provides federal guidelines and funding for transportation projects.**
<https://www.transportation.gov/>
- **El Paso Metropolitan Planning Organization (MPO): Coordinates regional transportation planning and funding.**
<https://www.elpasompo.org/>
- **El Paso Streetscape Design Standards in the El Paso Street Design Manual.**
<https://www.municode.com/sites/default/files/archives/webcontent/16180/El%20Paso%20Street%20Design%20Manual.pdf>
- **El Paso Public Art Program**
<https://epmcad.org/experience-art/public-art/>
- **Historic Preservation Guidelines for El Paso**
https://library.municode.com/tx/el_paso/codes/code_of_ordinances?nodeId=TIT20ZO_CH20.20HILAPR
- **Downtown, Uptown & Surrounding Neighborhoods Master Plan for El Paso**
<https://www.elev8ep.com/downtown>
- **El Paso Downtown Tree Master Plan**
<https://www.elev8ep.com/downtown>
- **El Paso Office of Climate & Sustainability**
<https://www.elpasotexas.gov/community-and-human-development/climate-action/>
- **Texas A&M AgriLife Research Center at El Paso**
<https://elpaso.tamu.edu/>



TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

2.4 Deck Plaza Development Character Zones

The Plaza Development is designed to enhance the urban experience through distinct character zones, each offering unique amenities and activities.

CITY GARDEN + EVENT SPACE (SANTA FE TO OREGON STREETS):

A versatile and vibrant area designed for large events and everyday enjoyment. It offers a variety of features for different interests and activities, making it a space for everyone.

MULTI-CULTURAL FORUM (OREGON TO MESA STREETS):

A beacon of community and diversity, integrating urban life with the tranquility of nature. It fosters multicultural dialogue and offers a space where arts, commerce, and leisure coalesce.

BACKYARD GAMES (MESA TO STANTON STREETS):

Blends urban life with the tranquility of home. It features inviting benches, chairs, and terraces for residents to unwind and socialize. It also serves as a platform for local artists and promotes community-driven activities and games.

SHADED RECREATION (STANTON TO KANSAS STREETS):

Featuring the Metro-sport Fieldhouse and Pavilion, this area promotes community engagement and active lifestyles. It serves as a hub for sports, cultural events, and social gatherings, fostering a sense of belonging and accessibility.

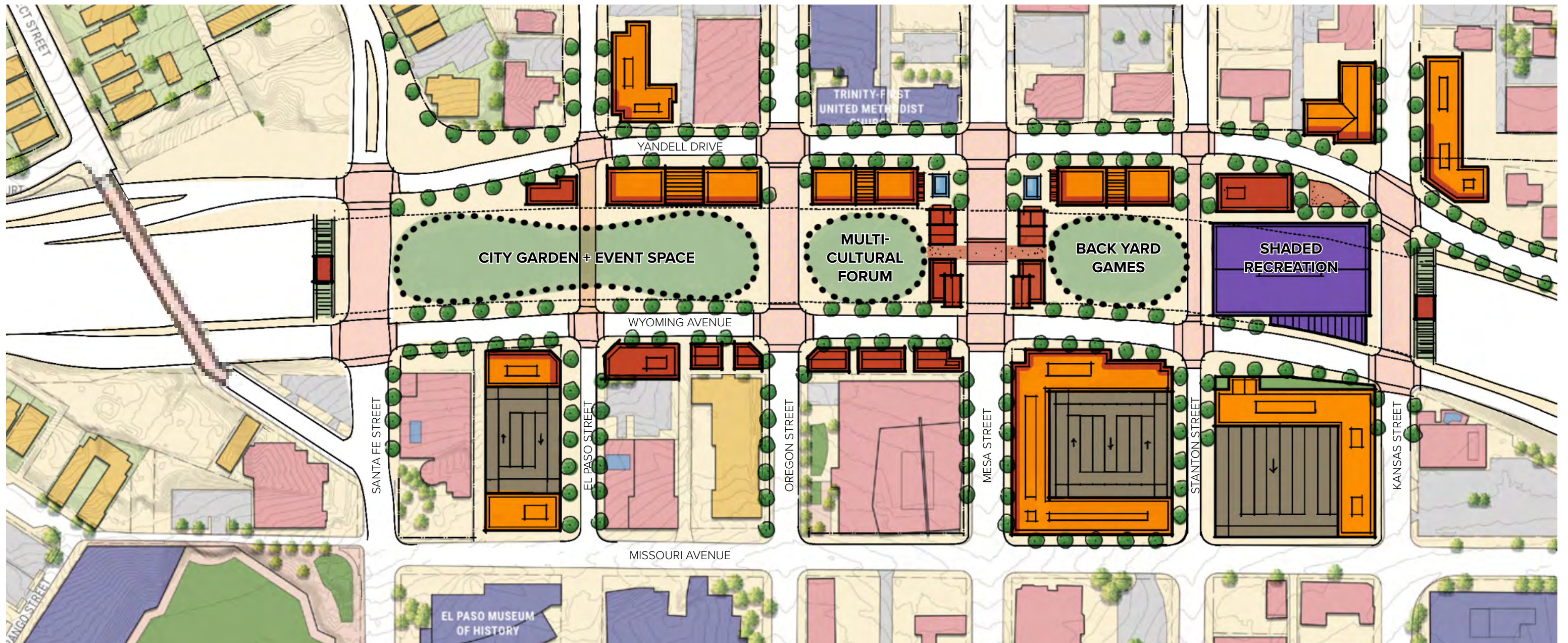


Figure-16 : Bubble Diagram-Deck Plaza Development Character Zones

TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

2.5 El Paso Deck Plaza Schematic Plan With Character Zones

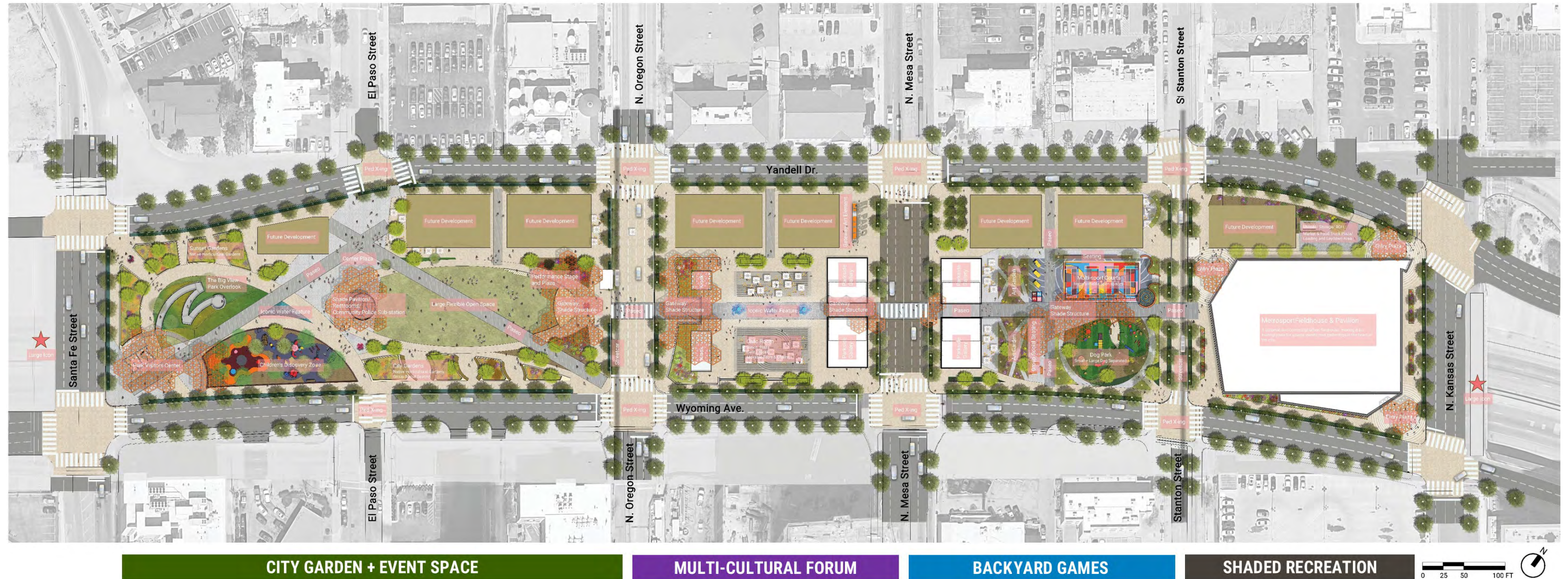


Figure-17 : El Paso Deck Plaza Schematic Plan

The Four Park Plaza Development Character Zones were created to introduce a variety of “activity rooms” to make the Deck Plaza a vibrant and engaging destination for everyone. Here’s why these zones are important:

1. Diverse Experiences: Each zone offers unique features and activities, catering to different interests and needs. This diversity ensures that there is something for everyone, whether they are looking for relaxation, cultural experiences, or active recreation.

2. Enhanced Connectivity: By creating distinct zones, the designers aimed to improve pedestrian connections and make the area more navigable. This helps integrate the Deck Plaza into the surrounding urban environment, encouraging more foot traffic and interaction.

3. Active and Engaging Spaces: The variety of zones ensures that the Deck Plaza is lively and active throughout the day. Different activities and events can take place simultaneously, attracting a wide range of visitors and keeping the space dynamic.

4. Community and Inclusivity: The zones are designed to foster a sense of community and inclusivity. Spaces like the Multi-Cultural Forum and the City Garden + Event Space provide opportunities for social interaction, cultural exchange, and community events, making the Deck Plaza a welcoming place for all.

5. Pedestrian-Friendly Environment: By animating the pedestrian experience with activities and amenities along the frontage streets, the zones create a more inviting and enjoyable environment for walking and socializing.

Overall, the four development character zones bring the Deck Plaza to life by offering a variety of experiences and activities, making it a destination that appeals to a broad audience and enhances the urban landscape.

TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

2.6 El Paso Deck Plaza Program Areas and Phasing

PHASE I

Sante Fe to Oregon Streets	Overall Square Footage 147,285 SF
Sunset Gardens	9500 SF
City Gardens	3700 SF
The Big View	6500 SF
Imagination Grove/ Children's Discovery Garden	9000 SF
El Paso Vibe - Entertainment and Multi-Function Open Space	25000 SF
Visitors Building, Restrooms, Storage, and Misc. Structures	3095 SF
Plazas and Paseos	20000 SF
Shaded Areas	19500 SF
Water Features	910 SF
Future Development Sites	11000 SF

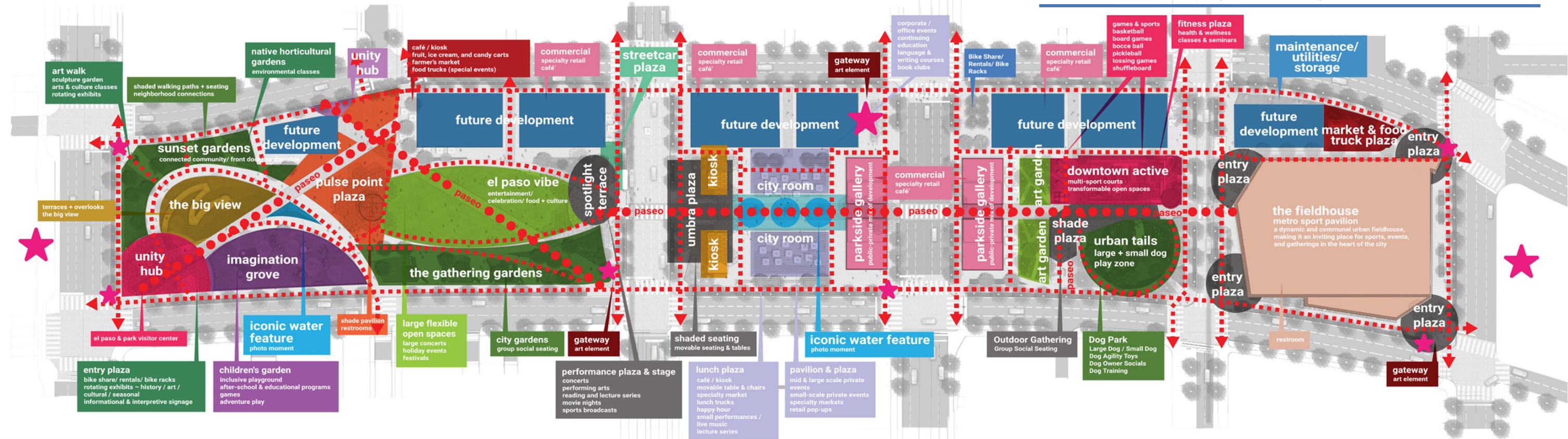
Oregon to Mesa Streets	Overall Square Footage 70,300 SF
Parkside Gallery Footprint	10950 SF
City Room Plaza	10100 SF
Park Kiosk/ Café/ Retail	2500 SF
Plazas and Paseos	22200 SF
Shaded Areas	10350 SF
Water Features / Central Pop Jet Fountains	4200 SF
Future Development Sites	15000 SF

PHASE II

Mesa to Stanton Streets	Overall Square Footage 76,743 SF
Parkside Gallery Footprint	10950 SF
Downtown Active/ Games, Sports courts, and seating	11000 SF
Art Gardens	7000 SF
Dog Park for Large and Small Dogs	10800 SF
Plazas and Paseos	7300 SF
Shaded Areas	5870 SF
Future Development Sites	15000 SF

Stanton to Kansas Streets	Overall Square Footage 77,800 SF
The Fieldhouse Footprint	37320 SF
Plazas and Paseos/ Forecourt and Food Truck Plazas	10300 SF
Shaded Areas	3600 SF
Future Development Sites	10000 SF

The Deck Plaza project will be implemented in two phases to ensure continuous community benefit and functionality. Phase One will establish a substantial portion of the park, including key amenities and green spaces, making it a significant standalone feature that enhances the urban environment immediately. This phase will provide a vibrant, usable space for the community while Phase Two is under construction, which will expand and complete the development, adding additional features and connectivity to further integrate the park into the urban fabric.



PHASE I (Sante Fe to Mesa Streets) PHASE II (Mesa to Kansas Streets)

Figure-18 : El Paso Deck Plaza Program Areas

TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

2.7 City Garden + Event Space

The City Garden + Event Space is a versatile and vibrant area designed for both large events and everyday enjoyment. This space will be both functional and beautiful, offering a variety of features for different interests and activities. Whether you're attending a large event or simply enjoying a leisurely stroll, the City Garden + Event Space has something for everyone, including:

- **Large Open Lawn:** The expansive lawn area is designed to accommodate large-scale events such as concerts, festivals, and community gatherings. Its open layout ensures unobstructed views and free movement, making it an ideal setting for public events.
- **Native Gardens:** These gardens are a tribute to the region's natural heritage, featuring a collection of native plants from the Chihuahuan Desert. They serve not only as a visual delight but also as an educational resource, promoting biodiversity and ecological awareness.
- **The Big View Overlook:** The Overlook offers an elevated experience, both literally and figuratively. Visitors can ascend to the park's highest point, gaining a panoramic perspective of the area. This feature not only provides a unique vantage point but also symbolizes the park's connection to the broader landscape.
- **Children's Discovery Zone and Play Area:** This area is specifically designed to stimulate the curiosity and imagination of children. It is a safe and engaging environment where play and learning go hand in hand, fostering a lifelong appreciation for nature and the outdoors.
- **Iconic Water Feature:** The water feature stands as a centerpiece, drawing attention and providing a sensory experience through the sound and movement of water. It is a focal point that enhances the park's identity and ambiance.
- **Visitor Center, Restrooms, and Community Police Sub-Station:** The inclusion of these facilities underscores the park's commitment to visitor comfort and convenience. These facilities are strategically located to serve the needs of guests during both everyday visits and special events.

- **Paseos:** These broad walkways are not just pathways but active spaces that contribute to the park's social atmosphere. During market days, they can transform into vibrant avenues lined with vendors, embodying the park's role as a community hub.
- **Shade Trees and Gateway Shade Structures:** The thoughtful placement of shade trees and structures throughout the park provide relief from the climate, enhance the park's human scale, and contribute to the overall comfort and enjoyment of the space.

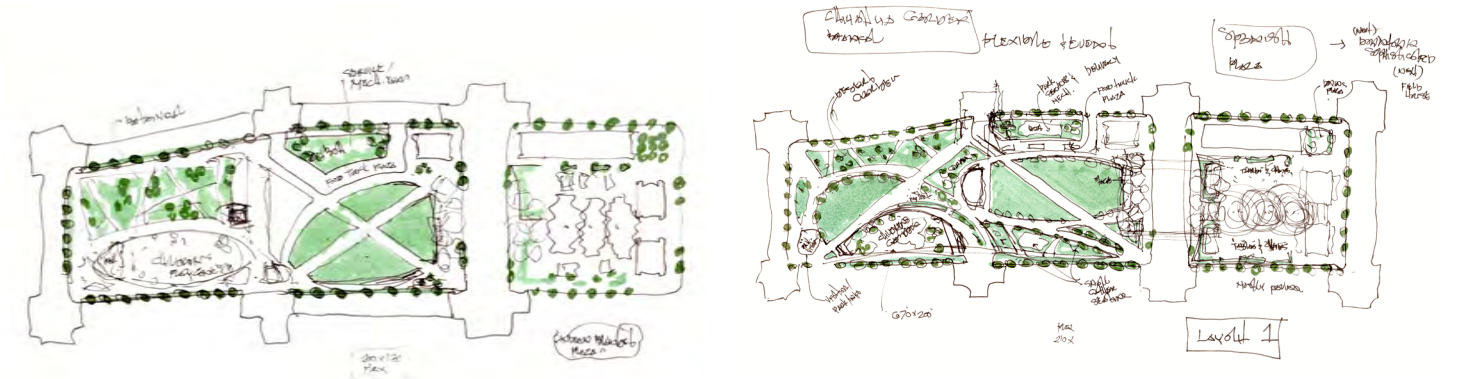


Figure-19 : City Garden + Event Space Process Sketches



Figure-20 : City Garden + Event Space

TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

2.8 Multi-Cultural Forum

The Multi-Cultural Forum Plaza at El Paso Deck Park stands as a beacon of community and diversity, seamlessly integrating the essence of urban life with the tranquility of nature. Its design is a reflection of the city's commitment to fostering a multicultural dialogue, offering a space where the arts, commerce, and leisure coalesce.

- **Civic Rooms:** Vibrant hubs for social interaction, offering a serene environment for morning coffee and casual meetings under the shade of umbrellas, with the park's lively atmosphere as a backdrop.
- **Centerpiece Pop Jet Fountains:** The heart of the plaza, these fountains are not only a visual spectacle but also an acoustic feature that provides a cooling effect and entertainment for visitors, enhancing the plaza's peaceful atmosphere.
- **Grand Stage:** As daylight fades, the plaza transforms into a dynamic venue for cultural events, concerts, and community gatherings, showcasing its versatility and commitment to cultural expression.
- **Umbra-Plaza and the Parkside Gallery:** Serve as harmonious meeting points, offering a serene retreat from the sun's intensity. Their location allows for thoughtful interplay of light and shadow, creating a welcoming atmosphere. As an iconic gateways to the Multi-Cultural Forum, they stand as symbols of unity, embracing diversity and fostering a sense of community among all who pass through its thresholds.
- **Landscape Terraces:** These terraces blend aesthetics with functionality, serving as comfortable seating and an innovative water management system that supports the park's greenery, reflecting the plaza's dedication to sustainability.



Figure-21 : Multi-Cultural Forum

2.9 Backyard Games

The Back Yard Games area of El Paso Deck Park represents a blending urban life with the tranquility of home. With its inviting benches, chairs, and terraces, it is a space for residents to unwind and socialize. This functions both as a communal gathering spot and a platform for local artists, contributing to El Paso's vibrant cultural scene. Moreover, it promotes well-being through community-driven activities and games, emphasizing the importance of active lifestyles.

- **Multi-Sport Courts:** A versatile playing field for various sports, catering to diverse interests and promoting inclusivity, while providing a venue for exercise, relaxation, and socialization. They are also transformable open spaces, adapting to different events and activities, ensuring the area serves multiple purposes.
- **Art Terraces:** Situated as a transitional zone between the Sports Courts and the Dog Park, these terraces act as cultural epicenters that enhance the community's artistic experience and provide opportunities for creative exhibitions.
- **Seating Arrangements:** Both permanent and temporary, provide rest areas and encourage social gatherings and offer a respite from the hustle and bustle of the more active zones of the Deck Plaza.
- **Gateway Shade Structure and Center Plaza:** These structures act as central meeting points within the park, offering protection from the sun and a comfortable environment for visitors. The thoughtful design promotes a play of light and shadow, enhancing the welcoming ambiance of the space.
- **Landscape Terraces:** These terraces blend aesthetics with functionality, serving as comfortable seating and an innovative water management system that supports the park's greenery, reflecting the plaza's dedication to sustainability.
- **Dog Park:** For dog owners looking to give their pets a taste of outdoor bliss. This urban dog park is an off-leash area where dogs can frolic freely. The amenities include shaded seating and play structures, making it a fantastic destination for both dogs and their owners. Gated areas for both small and large dogs.

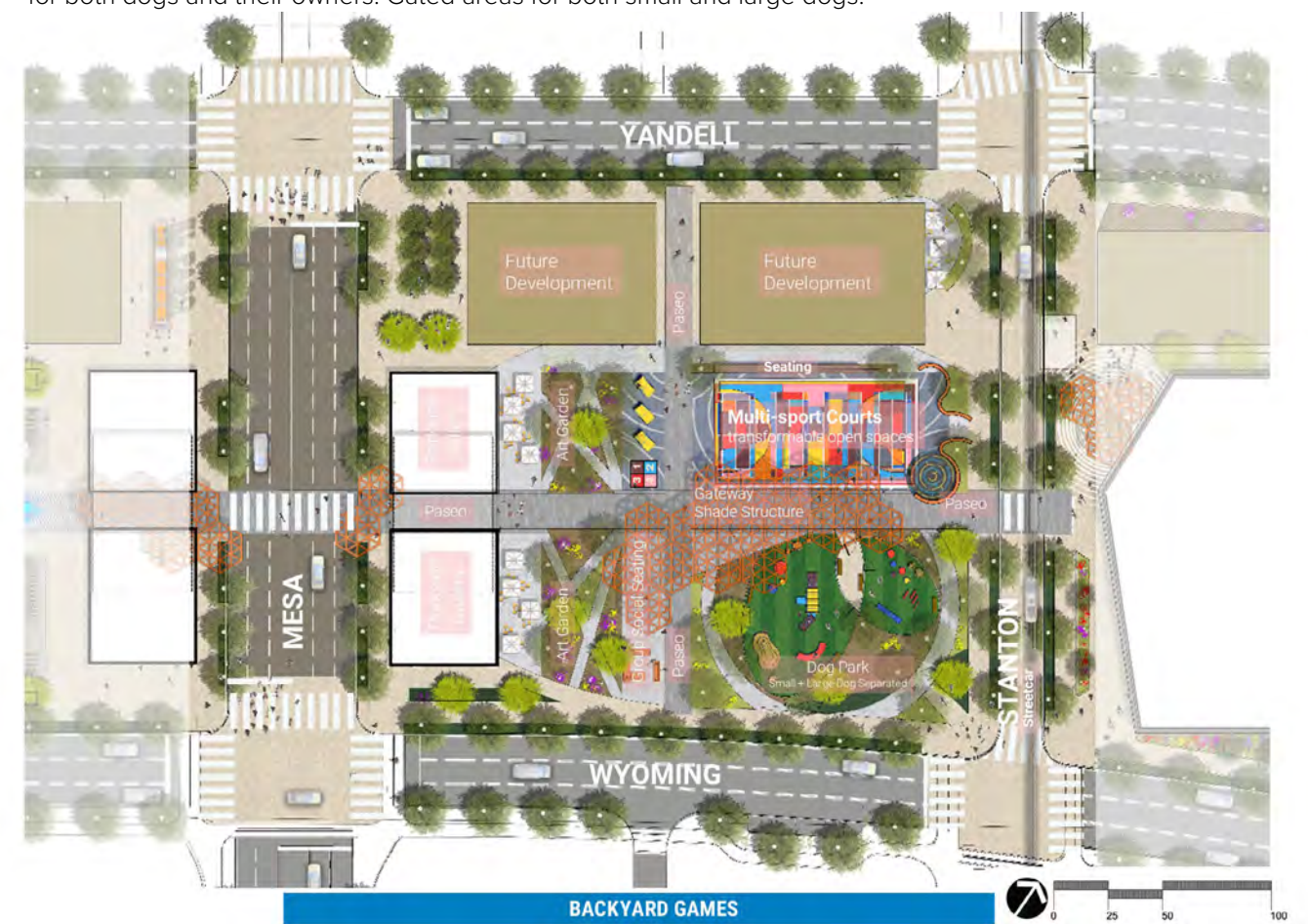


Figure-22 : Backyard Games

TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

2.10 Shaded Recreation

The Shaded Recreation Area, featuring the Metro-Sport Fieldhouse and Pavilion, is designed to promote community engagement and active lifestyles. This Fieldhouse serves as a vibrant hub for sports, cultural events, and social gatherings, with the surrounding site crafted to be visually and physically inviting, fostering a sense of belonging and accessibility.

- **Metro-Sport Fieldhouse and Pavilion:** Designed to be visually inviting, the Fieldhouse is a hub for sports, cultural events, and social gatherings. The Fieldhouse is a versatile structure capable of hosting a wide range of activities, from high-energy sports tournaments to serene yoga sessions, making it a cornerstone for health and wellness in the city. The pavilion extends this versatility by providing a sheltered area that complements the open spaces of the Deck Plaza. Here, the community can engage in casual recreation or simply enjoy the shade on a sunny day, further enhancing the area's recreational offerings. It will stand as a landmark in the city, fostering a sense of pride and ownership among the community.
- **The Market & Food Truck Plaza:** Serving operational needs of the Fieldhouse while also doubling as a vibrant social space for culinary experiences. It will support the Fieldhouse's operational demands with a dedicated loading and laydown area, ensuring smooth event management. Furthermore, it will transform into a lively gathering space where visitors will be able to enjoy a variety of culinary delights, mingle, and soak in the urban atmosphere before attending events inside the Fieldhouse. This multi-functional design will address both the logistical demands of the Fieldhouse and the social needs of the community.
- **Entry Plazas:** The entry plazas of the park are strategically designed to ensure high visibility and physical accessibility from every corner. These plazas serve as welcoming gateways. Their placement and design allow for easy navigation and access, inviting residents and visitors alike to enter and enjoy the Metro-Sport Fieldhouse and Pavilion from multiple points.

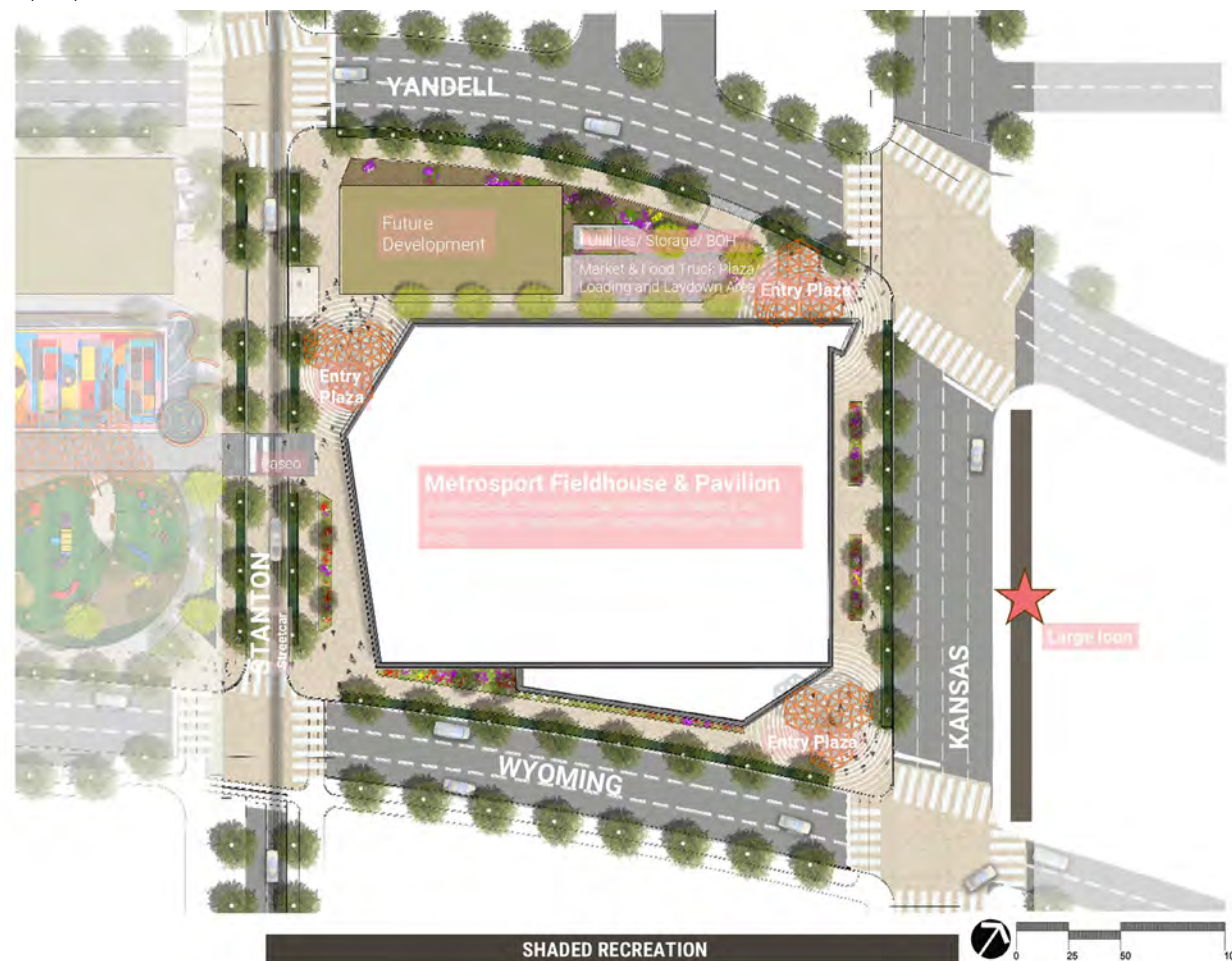


Figure-23 : Shaded Recreation

2.11 Proposed and Future Visions

This illustration of TxDOT's Alternative "I" schematic corridor design for I-10 highlights the increased separation between Downtown and Uptown. Two bridges are removed, and the frontage streets (Yandell Drive and Wyoming Avenue) are relocated to a greatly expanded right-of-way, eliminating urban building frontage along Yandell Drive.



Figure-24 : TxDOT's Alternative "I"

This illustration shows how the Deck Plaza creates valuable real estate and reconnects Uptown and Downtown El Paso. It highlights the potential to create an inviting space that serves as a robust citywide and regional destination.



Figure-25 : Proposed Deck Plaza Design

This illustration shows how the feasibility study proposes using land outside the I-10 freeway channel for mixed-use buildings that frame the plaza, adding public space, amenities, and an immediate community to the park.



Figure-26 : Proposed Deck Plaza Design With Future Development

TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

2.12 Schematic Design Perspective Views

BIRD'S-EYE VIEW

Bird's-eye view of the El Paso Deck Plaza above Santa Fe Street, looking northeast. The Children's Discovery Zone and Visitors Center are prominently featured in the foreground, with the Fieldhouse visible in the distance.



Figure-27

Bird's-eye view of the El Paso Deck Plaza above Mesa Street, looking northwest. The Multi-Cultural Forum City Plaza is clearly featured in the foreground, with the City Garden + Event Lawn visible in the background.



Figure-28

Overhead view of the El Paso Deck Plaza overlooking the City Garden and Event Space, looking north. The City Garden and Event Space is bounded by Santa Fe and Oregon Streets.



Figure-29

Overhead view of the El Paso Deck Plaza overlooking the Multi-Cultural Forum Plaza, looking north. The Multi-Cultural Forum is bounded by Oregon Street and Mesa Street. It's an ideal spot to grab lunch on a weekday and meet friends and neighbors on weekends.



Figure-30

Overhead view of the El Paso Deck Plaza, showcasing the vibrant Backyard Games area, looking north. This dynamic space, nestled between Mesa and Stanton Streets, features a variety of engaging activities and recreational opportunities, making it a perfect spot for fun and relaxation amidst the urban landscape.



Figure-31

Overhead view of the El Paso Deck Plaza overlooking the Shaded Recreation Area and Fieldhouse, looking north. Bounded by Stanton and Kansas Streets, the pavilion offers a sheltered spot for casual recreation or enjoying the shade, enhancing the area's appeal.



Figure-32

TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

CITY GARDEN + EVENT SPACE

View from The Big View Overlook looking east. This elevated spot offers visitors a panoramic perspective of the area, symbolizing the park's connection to the broader landscape. Ascend to the park's highest point for a truly unique vantage point.



Figure-33

View from the Large Open Lawn. This expansive area is perfect for large-scale events like concerts, festivals, and community gatherings. Its open layout ensures unobstructed views and free movement, making it an ideal setting for public events.



Figure-34

View across the Center Plaza and Paseos. These broad walkways are active spaces that enhance the park's social atmosphere. In the background, you'll find the Children's Discovery Zone and Play Area, an iconic water feature, and The Big View Overlook offering an elevated perspective.



Figure-35

MULTI-CULTURAL FORUM

View from the Multi-Cultural Forum Plaza at El Paso Deck Park. This vibrant space blends urban life with nature. The Civic Rooms offer serene spots for coffee and meetings under shaded umbrellas. The Pop Jet Fountains provide a cooling visual and acoustic spectacle, entertaining children. As night falls, the Grand Stage transforms the plaza into a dynamic venue for cultural events and concerts.



Figure-36

View into the Umbra-Plaza. These harmonious meeting points offer a serene retreat from the sun, with a thoughtful interplay of light and shadow creating a welcoming atmosphere. As iconic gateways to the Multi-Cultural Forum, they symbolize unity, embracing diversity and fostering a sense of community for all who pass through.



Figure-37

Night View of the Multi-Cultural Forum and Umbra Plaza.



Figure-38

TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

BACKYARD GAMES

View into the Multi-Sport Courts. These versatile playing fields cater to diverse sports interests, promoting inclusivity and providing a venue for exercise, relaxation, and socialization. The transformable open spaces adapt to different events and activities, ensuring the area serves multiple purposes.



Figure-39

View into the Dog Park. This urban oasis offers an off-leash area where dogs can frolic freely. With shaded seating, play structures, and gated areas for both small and large dogs, it's a fantastic destination for pets and their owners to enjoy outdoor bliss.



Figure-40

View into the Backyard Games area at El Paso Deck Park seamlessly blends urban life with the tranquility of home. With inviting benches, chairs, and terraces, it offers a perfect spot for residents to unwind, socialize, and enjoy community-driven activities.



Figure-41

CITY SCAPE

View from above Stanton Street into the Backyard Games area. Dog park on the left, shaded plaza in the center, and multi-sport court on the right. The Parkside Gallery buildings stand in the background.



Figure-42

View at El Paso Street Pedestrian Intersection. Raised intersections enhance pedestrian safety, improve visibility, calm traffic, provide accessible crossings, and add aesthetic appeal, making urban environments safer and more pedestrian-friendly.



Figure-43

View from the Streetside Promenade. This perspective highlights the integration of urban design with pedestrian-friendly walkways, offering a clear view of the bustling city life and serene pathways that invite residents and visitors to explore and enjoy the surroundings.



Figure-44

TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

2.13 Deck Plaza Plan

LEGEND

CITY GARDEN + EVENT SPACE

- CG1** Sunset Gardens
- CG2** City Gardens
- CG3** The Big View
- CG4** Imagination Grove / Children's Discovery Garden
- CG5** El Paso Vibe - Entertainment and Multi-Function Open Space
- CG6** Visitors Building, Restrooms, Storage, and Misc. Structures
- CG7** Plazas and Paseos
- CG8** Shaded Areas
- CG9** Water Features
- CG10** Future Development Sites
- CG11** Pedestrian Promenade

MULTI-CULTURAL FORUM

- MC1** Parkside Gallery Footprint
- MC2** City Room Plaza
- MC3** Park Kiosk / Café / Retail
- MC4** Plazas and Paseos
- MC5** Shaded Areas
- MC6** Water Features / Central Pop Jet Fountains
- MC7** Future Development Sites
- MC8** Pedestrian Promenade

BACKYARD GAMES

- BG1** Parkside Gallery Footprint
- BG2** Downtown Active / Games, Sports courts, and seating
- BG3** Art Gardens
- BG4** Dog Park for Large and Small Dogs
- BG5** Plazas and Paseos
- BG6** Shaded Areas
- BG7** Future Development Sites
- BG8** Pedestrian Promenade

SHADED RECREATION

- SR1** The Fieldhouse
- SR2** Plazas and Paseos/ Forecourt and Food Truck Plazas
- SR3** Shaded Areas
- SR4** Future Development Sites
- SR5** Pedestrian Promenade



CITY GARDEN + EVENT SPACE

MULTI-CULTURAL FORUM

BACKYARD GAMES

SHADED RECREATION

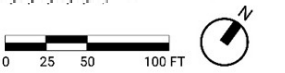


Figure-45 : Deck Plaza Plan

TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

2.14 Deck Plaza Grading Plan

The El Paso Deck Plaza stands out from many other Lid or Freeway Cap parks due to its significant grade changes from east to west (Kansas Street to Santa Fe Street) and north to south (Yandell Drive to Wyoming Avenue). This unique topography not only sets it apart but also creates exceptional opportunities. The higher elevations offer fantastic viewpoints, providing visitors with stunning vistas. Additionally, the varied elevation allows for a distinctive layout of program elements along its length.

The grading plan for the El Paso Deck Plaza is schematic in nature. However, the design has been developed with careful consideration of the proposed grades, accessibility requirements, and constructability to ensure it integrates seamlessly with the existing grades.

LEGEND

+0000

Spot Elevation

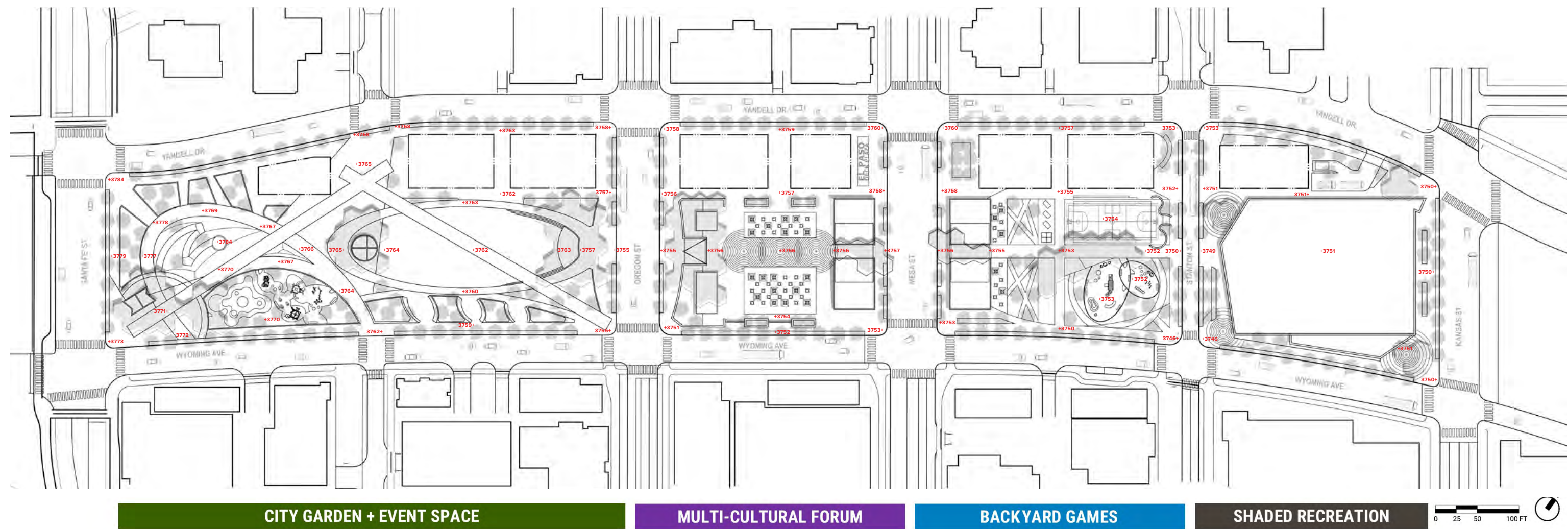


Figure-46 : Deck Plaza Grading Plan

TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

2.15 Deck Plaza Cutaway Sections

One of the main challenges is creating an at-grade park that allows visitors to enter directly from the surrounding streets without needing steps or ramps, while also meeting the state highway's height clearance requirement below.

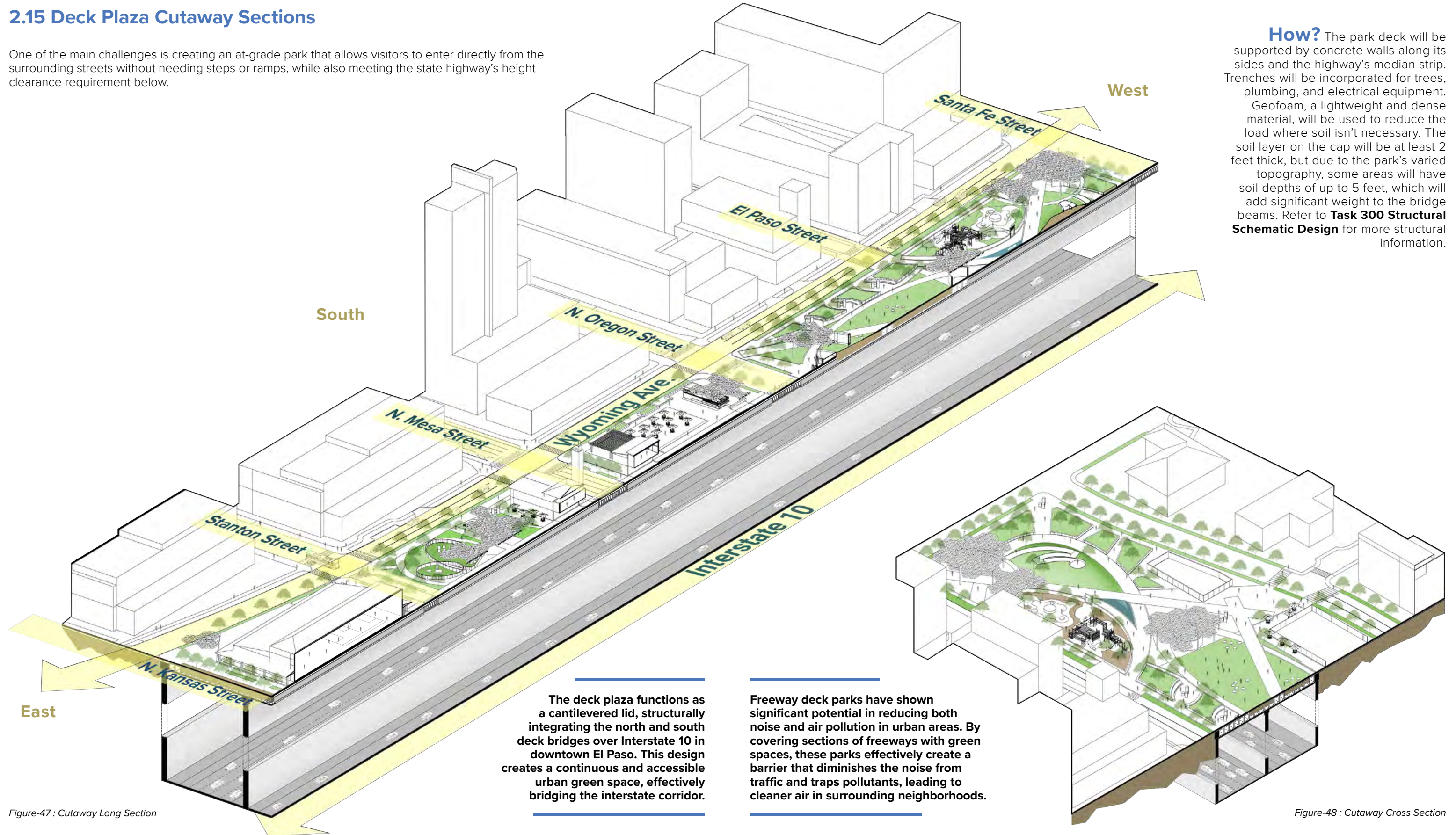


Figure-47 : Cutaway Long Section

Figure-48 : Cutaway Cross Section

TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

2.16 Landscape Site and Pedestrian Lighting

Lighting plays a crucial role in both the safety and atmosphere of the plaza. The design will include carefully placed, energy-efficient lighting that enhances visibility and ensures safe navigation for pedestrians, particularly during evening and nighttime hours. Pathways, entrances, and key gathering areas will be well-lit to provide a welcoming and secure environment.

Beyond safety, the lighting design will also emphasize the aesthetic qualities of the space. Architectural lighting will highlight key features such as sculptures, planting areas, and unique architectural elements. LED or solar-powered lighting solutions may be considered, not only for their sustainability but also for their flexibility in creating various lighting effects, such as color-changing lights for special events or subtle lighting to create a tranquil atmosphere in specific zones.

The lighting design will aim to balance functionality with creativity, ensuring that the plaza is not only well-lit but also visually striking. By incorporating smart lighting technologies, it could adjust to different times of day, seasons, or events, contributing to an adaptable and dynamic experience for visitors. This thoughtful approach to lighting will make the plaza a safe, inviting, and vibrant space both during the day and after dark. Refer to **Task 500 Illumination** for more lighting information.



Figure-49 : Multi-Cultural Forum Night View



Figure-50 : Multi-Cultural Forum Night View From Above



Figure-51 : El Paso Deck Plaza Night View Schematic Plan

TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

2.17 Streetscape

The streetscape design will create a seamless connection between the plaza and the surrounding urban environment, promoting pedestrian activity and enhancing the overall experience for visitors. Wide, accessible sidewalks with smooth transitions will be a priority, ensuring comfort for pedestrians, including those with mobility challenges. These pathways will be lined with trees and greenery, providing shade and a natural buffer from street traffic while contributing to the area’s aesthetic appeal and environmental sustainability.

Enhanced visibility at pedestrian crosswalks and traffic-calming measures will ensure safe and easy movement between the plaza and adjacent areas. These promenades are more than just pathways; they are communal spaces where people can walk, socialize, and immerse themselves in the urban environment. Additionally, the promenades will feature areas for outdoor dining, pop-up markets, and temporary art displays, encouraging interaction and adding to the vibrancy of the urban space.

The integration of lighting, landscaping, and public art within the streetscape will enhance both day and night experiences, making the area lively, inviting, and connected to the community. Additionally, the streetscape will be designed with sustainability in mind, incorporating permeable surfaces and green infrastructure to manage stormwater, reduce heat island effects, and improve environmental resilience. This holistic approach will make the streetscape not only functional and safe but also an extension of the plaza’s identity.



Park Frontage Zone	Pedestrian Promenade	Street Buffer Zone
Park Furniture / Planting / Lighting	Clear Pedestrian Zone Continuous at Park Perimeter	Planting / Lighting / Street Furniture
Varies	10' Minimum	5' Minimum

Figure-52 : Streetscape Section



Figure-53 : Promenade / Paseo / Plaza



Figure-54 : El Paso Street Pedestrian Crossing / Speed Table

TASK 100: LANDSCAPE ARCHITECTURE 30% SCHEMATIC DESIGN

El Paso Deck Plaza Landscape Architecture Schematic Plan

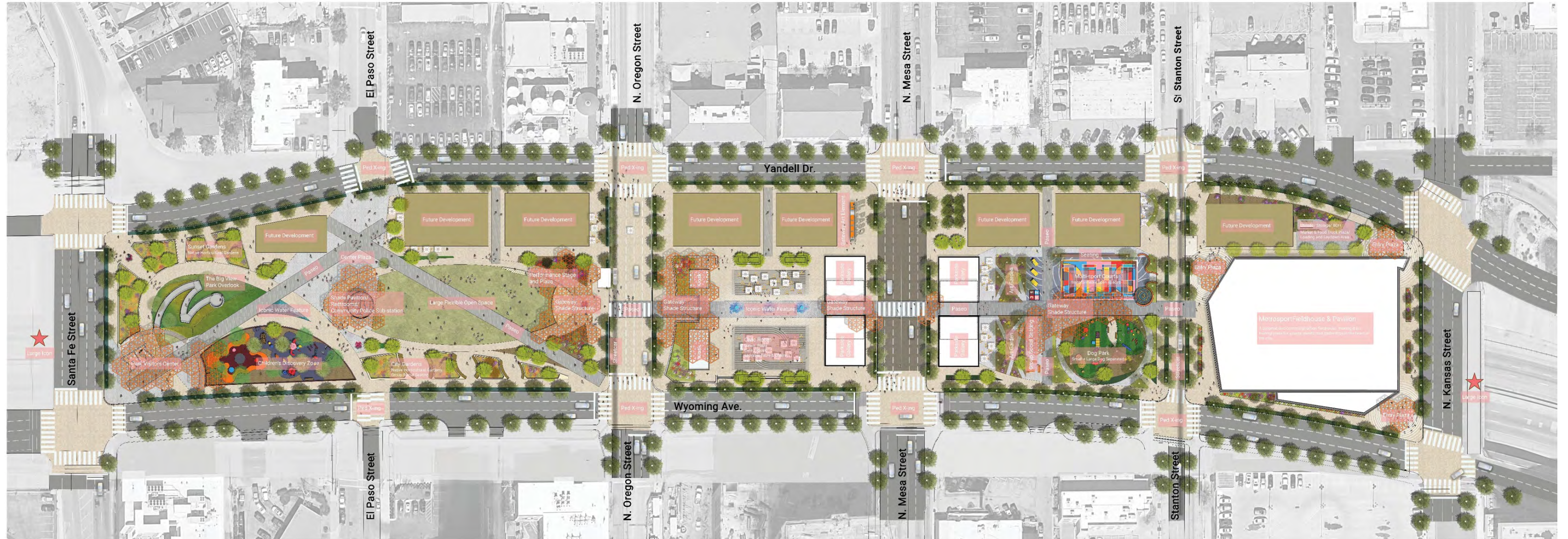


Figure-55 : El Paso Deck Plaza Schematic Plan



Figure-56 : City Garden + Event Space



Figure-57 : Multi-Cultural Forum



Figure-58 : Backyard Games

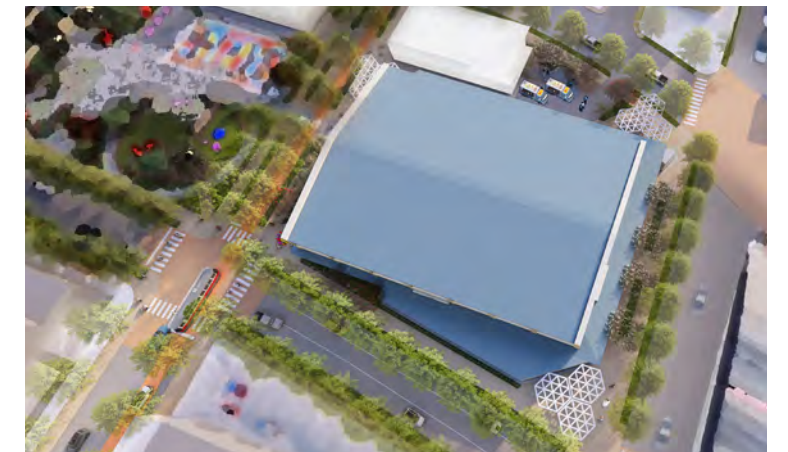


Figure-59 : Shaded Recreation

► **TASK 200: CIVIL ENGINEERING SCHEMATIC DESIGN**



BIRD'S-EYE VIEW OF THE EL PASO DECK PLAZA ABOVE WYOMMING AVENUE