



## PART THREE: THE PLAN ELEMENTS

### SECTION FOUR: TOWN DESIGN STRUCTURE PLAN

#### INTRODUCTION

Like many communities caught in the outward expansion of a growing Metroplex, Westlake is experiencing a “regionalization” of its heretofore unique townscape. The tendency of ubiquitous development patterns/ forms (public and private) to erode local and often unique qualities of place has motivated those communities desiring preservation of their visual character to formulate a clear Town Design Structure. The Town Design Structure is a framework intended to promote expressions of these patterns/ forms, which are more responsive to the local characteristics and collectively create a unified identity. However, it is often the case that a Town Design Structure (typically in the form of urban design themes and features) ends up promoting a similarly ubiquitous townscape because it is derived from design conventions repeatedly used and reused in communities throughout Texas and the Nation. Such urban design initiatives are **descriptive** in the sense that they replicate attractive urban design approaches seen and used elsewhere.

A properly crafted Town Design Structure Plan for Westlake must be **prescriptive** instead of **descriptive**. The term “prescriptive” implies that the design initiatives are intended to resolve a particular visual condition and are derived from a more real assessment of the themes/ qualities that characterize the identity of a place. Therefore, it is important to have a methodologically sound means by which such attributes will be identified and affirmed.

**Prescriptive** also means that the purpose of the urban design initiatives are not only aesthetic, they are also intended to give visual presence to an expression of a community form that will create cognitively strong features/ themes upon which one's mental map of, and recognition of, place is anchored. They must also create a legibility to the fabric of the town so that a sense of “wholeness” can be comprehended. This creates a clear sense of hierarchy so that one's orientation and identity within the town fabric is always reinforced.

It is historically true that private development (buildings) from place to place will exist in recognizable patterns and have stylistic/ construction qualities that are similar. As a result, buildings seldom distinguish a town unless they represent a unique surviving collection reminiscent of a historic era or comprise the singular work of a noted architect. It is also historically true that the public realm (squares, public spaces, streets, parks, etc.) often vary, which effectively establishes the qualities of place that are remembered/ and recognized. For example, Dallas is more distinguished by Turtle Creek and the improved IH 45 (and other such assets) than its buildings. Therefore, Westlake initiatives to establish, clarify and articulate a distinct quality of place through a Town

Design Structure Plan that addresses streets, portals, nodal points, focal points, edges, and districts is the best means of achieving the Town's goals that address identity.

The following Town Design Structure Plan identifies the key design settings, key design initiatives, and more specific design actions (explaining how the initiatives should be manifest) to be taken in the various design settings discussed above.

## THE TOWN DESIGN STRUCTURE

The Town Design Structure is a framework of design settings and component parts to which various design initiatives will be applied. It is intended to establish the visual relationship of **nine Design Settings** and tie them together in a unified whole. Design Settings are particular visual components of the hierarchical cognitive structure (Design Structure) that, in its totality, communicates the identity of, and orientation within, the Town of Westlake. More specifically, the Design Settings are:

1. **Streets:** Streets are the primary experiential venue from which residents and visitors gather identifying images and impressions. Also, streets are essential to understanding location and progress toward a destination. The Thoroughfare Plan establishes three Street Types for Westlake. These Street Types are:
  - a. **Neighborhood Streets:** Streets that serve residential lots.
  - b. **Pastoral Collectors:** Streets gathering residential traffic as it moves to and from residential neighborhoods.
  - c. **Town Arterials:** Streets that serve the Town Community, View Shed Community, and Town Core as defined in the Land Use Plan.
  - d. **Regional Arterials:** Streets that serve

the Regional Community as defined in the Land Use Plan.

Each Street Type has its place in a recognizable hierarchy that communicates both the image identified as Westlake and one's location within Westlake. This is accomplished with landscaping, street lighting, street signage, information systems, and street section design that typifies the Street Type. A progressive intensification of identifying elements (along certain streets) communicates movement from edge to center.

**2. Intersections:** A key aspect of streets is the character of important intersections. Important intersections include:

- a. Intersection of a Town Arterial with a Pastoral Collector:** These happen at places where Dove Road and the southern portions of Roanoke Road intersect with new east/west arterials (as shown on the Thoroughfare Plan).
- b. Intersection of a Town Arterial with another Town Arterial:** These happen in places where the two main east to west arterials of the Town System are tied together by north/ south connectors.
- c. Intersection of a Town Arterial with a Regional Arterial:** These happen where the east/west Town Arterials intersect with a primary commercial street of the Regional Community that connects with SH 114.

**3. Trails and Sidewalks:** Like streets, trails are also an experiential venue with significant power to communicate Town identity and orientation. This is accomplished with landscaping, signage, pedestrian furniture/ fixtures, trail heads, signage, and street

crossings. Key Trail Types include:

- a. On-Street Bike Trails:** These are dedicated bike lanes that share street space with vehicular traffic.
- b. Street Parkway Trails:** The Town Arterials and the Regional Arterials will have a flanking trail on at least one side. The trails flanking Town Arterials will be the Town Trail and the trails flanking the Regional System will be Regional Trails, making contact to the trail systems extending beyond Westlake.
- c. Trails Engaging Neighborhoods:** The Public Workshops stressed the importance for public trails to go "around" neighborhoods and not "through" neighborhoods, yet neighborhoods will likely have internal trail/ sidewalk systems that need to make connection with the Town System. Therefore, where a public trail connects with a Neighborhood Trail, certain measures are needed to prevent invasion of the neighborhood boundary by full public use.
- d. Trails through Open Spaces:** The central open space network is host to most of the Town Trail System. Therefore, the treatment of trails within this open space is important.

**4. Edges:** Edges are experience start points; the recognition of which signals when the identifying visual impressions will commence. Edges require points of connection. It would be difficult to have a Town Design Structure without edges as a foundational element upon which to build the structure. Like places of arrival, edges are places of beginning. Edge conditions include:

- a. Regional Edges (SH 114):** The interface of Westlake with a major regional corridor (SH 114) needs to communicate a comprehensible

identity to the regional population. Therefore, treatment of this edge is critical to giving Westlake a recognizable identity along the SH 114 corridor. Failure to establish this identity pulls Westlake into the ubiquitous corridor identity of SH 114, which passes through cities like Grapevine and Southlake without making distinction of one community from another.

**b. Neighborhood Edges:** Neighborhood Edges are critical for neighborhood integrity. However, the articulation of those edges can subdivide the ground plane with opaque walls and other hard division, which begin to suburbanize the rural landscape.

**c. Commercial Edges:** Commercial edges are important as they often abut residential or open space areas. Walls and security fences can communicate separation of town elements rather than organic cohesion. Also, parking aprons moved to the edge can amplify separation rather than connection. Therefore, initiatives are needed to overcome these potentials.

**d. Open Space Edges:** Open spaces are meant to be remnants of the historic rural landscape and to serve as seams that bind commercial and residential uses together. Therefore, porous edges are more preferred than barrier edges.

**5. Arrival and Focal Points:** Points of arrival, points of focus/ interchange, or points of significance must be recognizable in order to give meaning to the Town Design Structure. The Town Design Structure imparts information meant to support recognition, and without such demarcation to recognize, the cognitive structure fails its purpose. Key arrival and focal point conditions include:

**a. Town Common:** The main place of arrival should be the Town Common. This is the hub of the community and the destination of the Town Road System. Therefore, arrival, and sequence of movement to the Town Common should be monumented.

**b. Southern Entry Points:** There are numerous roads entering Westlake from the south (from Southlake and Keller). Development along these roads is not responsive to municipal boundaries and gives no visual indication as to where one city ends and another begins. Therefore, some form of monumentation is needed to identify such boundaries.

**c. SH 114 Entry Points:** Major entries into the Town occur along SH 114. Therefore, the experience of Town is enhanced by portals that visually celebrate such entry.

**6. Active Public Spaces:** An important point of arrival/ focus will be active public space, such as public plazas, recreational parks, and city cultural assets. Therefore, such active open spaces should have identifying elements that visually connect them to the Town Design Structure. These identifying elements include monumentation, paving, pathway connections, pedestrian furniture/ fixtures, information systems, lighting, and signage. Key Active Public Space conditions include:

**a. Major Gathering Spaces:** As Westlake moves from its currently small population to population levels seven times larger (projected 2036 population), it will need spaces in which the Town population can conduct certain public gathering activities. One such space will likely be located within the Town. Others could be located at the Town Hall,

major retail venues, aggregated office locations, and in proximity to the educational venues. Treatment of these spaces should conform to some uniform standards of design that makes their function and use easily identifiable.

- b. Minor Gathering Spaces:** In addition to major gathering spaces, future populations will likely call for smaller spaces where small gatherings (more familial or neighborhood related) can be conducted. These could be small spaces along trails, such as amphitheaters or lateral expansions of the sidewalk in commercial or municipal areas. Like Major Gathering Spaces, treatment of these spaces should conform to some uniform standard of service and offerings that makes their function and use easily identifiable.
- c. Recreational Parks:** The Parks and Open Space Plan identifies the need for Recreational Parks in Westlake. Standards of user accommodation that will distinguish Westlake should be imposed upon each Park Type.

**7. Passive Public Spaces:** According to the Land Use Plan, Passive Open Space will be a significant visual experience acquired from streets, trails, and Vista Points throughout the Town. These passive open spaces are the essence of Westlake's identifying character. Therefore, it is important to maintain them in a condition reflective of that identity. This essential character is rural, which is manifest in fencing type (edge definition), pathway alignment, pasture land to wooded land balance, and landscape materials. Key Passive Open Space conditions include:

- a. Conservation Open Spaces:** The Public Workshops expressed a desire to preserve/ conserve the

natural, picturesque, pastoral landscape. Such preservation may require selective restoration and conservation, especially of remaining natural systems. Therefore, how these areas will be recognized within the Town Design Structure requires understanding.

- b. Landmark Landforms:** The View Analysis in Part Two of this Comprehensive Plan identifies certain view terminals as important natural features that define many of the characteristic views enjoyed by residents. Therefore, how these features will be recognized within the Town Design Structure requires understanding.
- c. Rural Heritage Areas:** Certain open space areas may continue to be managed as agricultural activities. In such instances public observation and participation would be an asset to quality of life. Therefore, the Town Design Structure Plan should address these potential areas.

**8. Public Facilities:** As Westlake grows it will likely need additional public facilities such as police and fire facilities. These are opportunities to further reinforce the identity of Westlake through site placement, signage, paving, landscaping, and pedestrian connection. Key Public Facilities include:

- a. Police Facilities:** The Facilities and Town Hall Plan to follow identifies that Westlake at build-out will require additional police facilities. How these facilities are recognized within the fabric of the Town, defines their potential contribution to its cognitive structure.
- b. Fire Facilities:** The Facilities and Town Hall Plan to follow identifies that Westlake at build-out will require



additional fire facilities. How these facilities are recognized within the fabric of the Town, defines their potential contribution to its cognitive structure.

- c. **Municipal Facilities:** As Westlake grows, it will require more space for its Town Hall functions and municipal employees. This may further require the establishment of a new Town Hall facility. In such an event, the new facility should have more public space than the present facility and be more engaged with fabric of the Town, making it a significant landmark for the future.

- 9. **Site Open Space:** As Westlake grows, the abundant openness of the landscape will begin to infill with development. Therefore, it is important to establish minimum open space allotment areas within any site. While recommended restrictions to building coverage (as specified in the Land Use Plan) accomplish most of this goal, further clarification is justified in the Town Design Structure Plan. Key Site Open Space settings include:

- a. **Parking Lots:** Westlake has done a good job in promoting structured parking over surface parking. However, that may not be as feasible where conventional retail development is concerned. Therefore, open space standards relative to surface parking are justified.
- b. **Site Landscaping:** Site Landscaping is the amount of a site area that is set aside for landscape development or natural system preservation.
- c. **Buffers:** Buffers are recommended in those locations where a commercial use abuts a residential use or open space. The effect is to provide a proper edge to residential locations

and/ or visually expand town open space into private development.

## TOWN DESIGN STRUCTURE AND THEMATIC ELEMENTS

Within the Town Design Structure and its framework of component parts (presented above), various design initiatives are needed that will, in their manifestation, create a coherent urban design fabric for the Town, a fabric which distinguishes Westlake from other cities, enhances value, and enriches quality of life. These design initiatives include:

- Pavement
- Lighting
- Signage
- Landscaping
- Information Systems
- Furniture
- Traffic Signalization
- Bridges
- Cross Drainage Structures
- Facilities and Special Features
- Traffic Calming
- Pedestrian Crossings
- Marking/ Demarcation
- Trail Heads
- Portals
- Landscape Buffers/ Landscape Setbacks
- Fences and Walls
- Major Monuments
- Minor Monuments
- Banners/ Flags
- Built Amenities/ Public Art
- Safety
- Furniture
- Street Recognition (by Public Facilities)

Each of the following tables lay the above listed design initiatives (shown on the vertical axis) against the earlier described Design Settings (shown on the horizontal axis) and portrays how the applicable

initiative is manifest in each of these Design Settings (manifestations presented within the intersecting table cell). In its totality, the tables present a Town Design Structure for Westlake that assigns

particular design actions and/ or standards to the key design settings that comprise the overall Town Design Structure. More specifically the tables are:

| 1. STREETS                                                           |                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                      | Neighborhood St.                                                                                                                                                                                                                                                   | Pastoral Collector                                                                                                                                                                                                                                                                                                                                                                     | Town Arterial                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Regional Arterial                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Section Design</b>                                                | 2 In                                                                                                                                                                                                                                                               | 2 In                                                                                                                                                                                                                                                                                                                                                                                   | 4 In- divided                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4 In- divided                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Pavement</b><br><br><i>See street sections</i>                    | Concrete or Asphalt with custom design curb unique to the neighborhood or standard vertical or roll up curb.                                                                                                                                                       | Concrete or Asphalt with a laydown curb (flat curb) that allows run off to barrow ditches.                                                                                                                                                                                                                                                                                             | Concrete with vertical curb and variable median width (minimum median width = 14 ft. which can narrow for left turn storage lanes)                                                                                                                                                                                                                                                                                                                                | Concrete with vertical curb and uniform median (typical median width = 14 ft. which narrows for left turn storage lanes)                                                                                                                                                                                                                                                                                                |
| <b>Lighting</b><br><br><i>See lighting and signal palette figure</i> | Individual thematic fixtures and standards as determined by the project developer and approved by the Town of Westlake                                                                                                                                             | Rural light standards and fixtures placed at intersections and no less than one fixture every 1,000 ft. (see lighting palette)                                                                                                                                                                                                                                                         | Period street standard and fixture with dual fixture masts and banner arms (see lighting palette). Placed in the median, spacing as per manufacturer's recommendation.                                                                                                                                                                                                                                                                                            | Westlake Parkway standard and fixture continued from the Service Roads of Highway 114, into the Regional Road connections of development fronting Highway 114 within the Regional Community.                                                                                                                                                                                                                            |
| <b>Signage</b><br><br><i>See signage figure</i>                      | Street name signs as per the development design<br><br>Traffic signage mounted in Town thematic frame upon city thematic standard at uniform visual heights<br><br>Way-finding signage as per Town way-finding sign program with uniform sign format and standard. | Street names presented in Town format with uniform pole mounted, backlit street name signs with the Westlake logo.<br><br>Traffic signage mounted in Town thematic frame upon city thematic standard (compatible with period street light standards), at uniform visual heights<br><br>Way-finding signage as per Town way-finding sign program with uniform sign format and standard. | Street names presented in Town format with uniform pole mounted, backlit street name signs with the Westlake logo.<br><br>Traffic signage mounted in Town thematic frame upon city thematic standard at uniform visual heights<br><br>Way-finding signage as per Town way-finding sign program with uniform sign format and standard.                                                                                                                             | Street names presented in Town format with uniform pole mounted, backlit street name signs with the Westlake logo.<br><br>Traffic signage mounted in uniform frame that is compatible with street light standards, at uniform visual heights<br><br>Way-finding signage as per Town way-finding sign program with uniform sign format and standard.                                                                     |
| <b>Landscaping</b><br><br><i>See approved plant list</i>             | Landscape design and plant materials as per approved development design.                                                                                                                                                                                           | Trees: Natural Drifts of trees including both canopy and understory planting. Purpose to reknit the natural plant fabric.<br><br>Grasses: low maintenance Native pasture grasses.<br><br>Ornamental planting: Flowering native shrubs at horizontal deflectors.                                                                                                                        | Trees: Natural Drifts of trees including both canopy and understory planting. Purpose to reknit the natural plant fabric in all Town Core approaches and open space areas. Tree placement shifts toward more composed alignment and understory dissipates as the Town Arterials arrive at more urbanized areas.<br><br>Grasses: low maintenance Native pasture grasses<br><br>Ornamental Trees: Flowering native trees at public entries and street intersection. | Trees: Composed, uniformly spaced placement of canopy trees.<br><br>Grasses: Maintained native grasses or hybrid grass varieties. Contiguous grass planting from project to project must maintain a consistent grass variety.<br><br>Shrubs: plant varieties attaining a minimum 36 in. height screening surface parking areas from street view.<br><br>Ornamental trees and shrubs: At project entries and median cuts |

| 1. STREETS                                                                  |                                                                                                                                        |                                                                                                                                        |                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                             | Neighborhood St.                                                                                                                       | Pastoral Collector                                                                                                                     | Town Arterial                                                                                                                                                                                                                                                                                                   | Regional Arterial                                                                                                                                                                                                                                |
| <b>Information Systems</b><br><br><i>See information figure</i>             | As per Town approved development design by project developer                                                                           | N/A                                                                                                                                    | Information Kiosks: Placed in close proximity to the portal entries and in close proximity to the Town Common.<br><br>Banners: Placed along Town Arterials connecting to the Town center.                                                                                                                       | Information Kiosks: Placed at major intersections and pedestrian crossing points.                                                                                                                                                                |
| <b>Furniture</b><br><br><i>See furniture palette</i>                        | As per Town approved development design by project developer                                                                           | N/A                                                                                                                                    | Pedestrian benches and trash receptacles: Placed so that there are at least 2 benches and trash receptacles per block in the Town Core.<br><br>Pedestrian lighting: along sidewalks and Town/ Regional Trails flowing to the Town Common.<br><br>Pedestrian Bench and transit canopy: one at each transit stop. | Pedestrian benches and trash receptacles: Located within the projects.<br><br>Pedestrian Bench and transit canopy: one at each transit stop.                                                                                                     |
| <b>Traffic Signals</b><br><br><i>See lighting and signal palette figure</i> | When required by warrant: Traffic signal standard, arm, and fixture to be a period design that matches the Town street light standard. | When required by warrant: Traffic signal standard, arm, and fixture to be a period design that matches the Town street light standard. | When required by warrant: Traffic signal standard, arm, and fixture to be a period design that matches the Town street light standard. Traffic signals at the intersection of a Town Arterial with a Town Arterial should have banner arms.                                                                     | When required by warrant as per TxDOT standard.                                                                                                                                                                                                  |
| <b>Bridges</b><br><br><i>See bridge examples</i>                            | As per Town approved development design by project developer                                                                           | To match existing specialty bridges along Dove Road                                                                                    | To match existing specialty bridges along Dove Road with the addition of bridge lights                                                                                                                                                                                                                          | To match existing specialty bridges along Dove Road with the addition of bridge lights                                                                                                                                                           |
| <b>Cross Drainage Structures</b>                                            | As per Town approved development design by project developer                                                                           | Stone headwalls                                                                                                                        | Stone headwalls with bridge rails                                                                                                                                                                                                                                                                               | Stone headwalls                                                                                                                                                                                                                                  |
| <b>Public Facilities</b>                                                    | N/A                                                                                                                                    | N/A                                                                                                                                    | Fire/ Police: Specialized street paving, which makes rumble sound when driven over, at emergency facility locations.<br><br>Transit Stop: make provision for public transit stop. One potential stop per 1200 ft. within ¼ mile of the Town Common and one potential stop per 2500 ft. elsewhere.               | Fire/ Police: Specialized street paving, which makes rumble sound when driven over, at emergency facility locations.<br><br>Transit Stop: make provision for public transit stop. One potential stop per 1200 ft. within the Regional Community. |



| <b>2. Intersections</b>                |                                                                                                                        |                                                                                                                                                                                                                 |                                                                                                                                                                                                                                |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Design Element</b>                  | <b>Town Arterial Intersection with Pastoral Collector</b>                                                              | <b>Town Arterial Intersection with Town Arterial</b>                                                                                                                                                            | <b>Town Arterial Intersection with Regional Arterial and at intersections around Town Centers</b>                                                                                                                              |
| <b>Traffic Calming</b>                 | Horizontal deflection at entrance to Pastoral Connector. Horizontal deflection islands shall have ornamental planting. | N/A                                                                                                                                                                                                             | N/A                                                                                                                                                                                                                            |
| <b>Pedestrian Crossing Demarcation</b> | Decorative paving that defines the pathway only. Use natural stone pavers that make a sound when driven over.          | Decorative paving of the pedestrian pathway with ornamental paver circle in center. Use a pavestone product which matches existing use of pavestone at Dove Road and Precinct Line Road intersection.           | Decorative paving of the pedestrian pathway, circle, and within the frame defined by the pedestrian pathway. Use a pavestone product which matches existing use of pavestone at Dove Road and Precinct Line Road intersection, |
| <b>Lighting</b>                        | N/A                                                                                                                    | Enhanced lighting from fixtures mounted on Traffic Signal standards (where they exist) and another similar standard located on an opposing corner (or two opposing corners where traffic signals do not exist). | Enhanced lighting from fixtures mounted on Traffic Signal standards (where they exist) and another similar standard located on the other three corners (or two opposing corners where traffic signals do not exist).           |
| <b>Signage</b>                         | Intersection related signage to be mounted to thematic street sign standard where possible.                            | Intersection related signage to be mounted to intersection lighting standard where possible.                                                                                                                    | Intersection related signage to be mounted to intersection lighting standard where possible.                                                                                                                                   |
| <b>Pedestrian Safety</b>               | Disabled pedestrian ramps and markings as per ADA standards                                                            | Disabled pedestrian ramps and markings as per ADA standards                                                                                                                                                     | Disabled pedestrian ramps and markings as per ADA standards                                                                                                                                                                    |
| <b>Information Systems</b>             | N/A                                                                                                                    | See street information system above                                                                                                                                                                             | See street information system above                                                                                                                                                                                            |

| 3. Trails           |                                                                                                                        |                                                                                                                                                                                                                                                                                     |                                                                                                                                                             |                                                                                                                                                                                             |
|---------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design Element      | On-Street Bike Trails                                                                                                  | Street Flanking Trails                                                                                                                                                                                                                                                              | Trails Engaging Neighborhoods                                                                                                                               | Trails through Open Spaces                                                                                                                                                                  |
| Applicable Standard | AASHTO                                                                                                                 | AASHTO                                                                                                                                                                                                                                                                              | AASHTO                                                                                                                                                      | AASHTO                                                                                                                                                                                      |
| Marking             | Land demarcation: Painted bike lane marker with vertical “tubular” lane dividers.<br><br>Bike lane symbol: on pavement | Town and Regional demarcation cast into Trail Pavement.<br><br>Educational message or graphic cast in 5 ft. long sections every ¼ mile.                                                                                                                                             | Privacy markers: In pavement (as neighborhood boundary approaches) and privacy signs at the interface with neighborhoods.                                   | Pathway destination identifier: cast into trail pavement.<br><br>Edge marking: where grade (off trail) exceeds 5%                                                                           |
| Material            | Same as street pavement                                                                                                | Buff Concrete                                                                                                                                                                                                                                                                       | Dark Concrete transitioning to stone at the neighborhood interface                                                                                          | Buff Concrete                                                                                                                                                                               |
| Trail Head          | N/A                                                                                                                    | Location: Trail intersections and points of convergence (hub).<br><br>Features: Identification signage, Kiosks, bike racks, benches, drinking fountain, decorative paving at major hubs. Identification signage, bike racks, benches, and decorative paving at other intersections. | Location: At interface between Neighborhood Trail and another Trail.<br><br>Features: Identification signage, surface paving, interface portal.             | Location: At interface between a nature trail and another trail, as well as points of interpretation.<br><br>Features: Identification signage, interpretative signage, benches, bike racks. |
| Lighting            | N/A                                                                                                                    | Ambient light level of at least .2 ft. candles. Low lighting of the path only is acceptable.                                                                                                                                                                                        | Pools of Light:                                                                                                                                             | Pools of Light:<br>Uniform light at interface with commercial destinations:                                                                                                                 |
| Signage             | N/A                                                                                                                    | Trail head name: on Trailhead marker.<br>Caution signage: Mounted in uniform frame on a uniform standard that matches Town traffic sign frame and standard                                                                                                                          | Trail head name: on Trailhead marker.<br>Caution signage: Mounted in uniform frame on a uniform standard that matches Town traffic sign frame and standard. | Trail head name: on Trailhead marker.<br>Caution signage: Mounted in uniform frame on a uniform standard that matches Town traffic sign frame and standard.                                 |

| 3. Trails           |                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design Element      | On-Street Bike Trails                                                                                                                                                                                                    | Street Flanking Trails                                                                                                                                                                                                                                                                                                                                                                                                 | Trails Engaging Neighborhoods                                                                                                                                                                                                                                                                                                                                                                                           | Trails through Open Spaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Applicable Standard | AASHTO                                                                                                                                                                                                                   | AASHTO                                                                                                                                                                                                                                                                                                                                                                                                                 | AASHTO                                                                                                                                                                                                                                                                                                                                                                                                                  | AASHTO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Landscaping         | <p>Trees: Canopy trees for shade comfort, elimination of understory for safety. Canopy trees in drifted clusters as needed to reknit natural fabric.</p> <p>Grasses: Native, short variety, low maintenance grasses.</p> | <p>Trees: Canopy trees for shade comfort, elimination of understory for safety. Canopy trees in drifted clusters as needed to reknit natural fabric.</p> <p>Grasses: Native, short variety, low maintenance grasses.</p>                                                                                                                                                                                               | <p>Trees: Canopy trees for shade comfort, elimination of understory for safety. Canopy trees in drifted clusters as needed to reknit natural fabric.</p> <p>Grasses: Native, short variety, low maintenance grasses.</p>                                                                                                                                                                                                | <p>Trees: Canopy trees for shade comfort, elimination of understory for safety. Canopy trees in drifted clusters as needed to reknit natural fabric.</p> <p>Grasses: Native, short variety, low maintenance grasses.</p>                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Information Systems | <p>Trail Name: Trail name sign in Town thematic frame mounted on Town standard.</p>                                                                                                                                      | <p>Trailhead Markers: Trail head monument markers which display the city logo, the trail head name, trail name, and any appropriate historic information interpreting the rural heritage of Westlake.</p> <p>Way-finding: destination markers cast in pavement and displayed at trail heads.</p> <p>Trail name signs: Located at each trail intersection, trail heads, and intersection of a trail with the street</p> | <p>Trailhead Markers: Trail head monument markers which display the city logo, the trail head name, trail name, and any appropriate historic information interpreting the rural heritage of Westlake.</p> <p>Way-finding: destination markers cast in pavement and displayed at trail heads.</p> <p>Trail name signs: Located at each trail intersection, trail heads, and intersection of a trail with the street.</p> | <p>Trailhead Markers: Trail head monument markers which display the city logo, the trail head name, trail name, and any appropriate historic information interpreting the rural heritage of Westlake.</p> <p>Way-finding: destination markers cast in pavement and displayed at trail heads.</p> <p>Trail name signs: Located at each trail intersection, trail heads, and intersection of a trail with the street.</p> <p>Special interpretative markers: periodic low post mounted signs that explain historic information or identify particular plant species/ wildlife habitat. These signs are a uniform color, painted on metal.</p> |
| Furniture           |                                                                                                                                                                                                                          | <p>Pedestrian benches and trash receptacles: located at trail head. Bench and trash receptacle should be built into trail head marker.</p> <p>Water Fountain: Located at Trail head serving 2 or more trails.</p>                                                                                                                                                                                                      | <p>Pedestrian benches and trash receptacles: located at trail head. Bench and trash receptacle should be built into trail head marker.</p> <p>Water Fountain: Located at Trail head serving 2 or more trails.</p>                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Street Crossing     | N/A                                                                                                                                                                                                                      | All trails should cross streets at an intersections where pedestrian crossings are provided (described above in intersections)                                                                                                                                                                                                                                                                                         | All trails should cross streets at an intersections where pedestrian crossings are provided (described above in intersections)                                                                                                                                                                                                                                                                                          | All trails should cross streets at an intersections where pedestrian crossings are provided (described above in intersections)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

| 4. Edges                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design Element                           | Regional Edges<br>(Highway 114)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Neighborhood Edges                                                                                                                                                                                                                                                                                                                                                           | Commercial Edges                                                                                                                                                                                                                                                                                                                                                                                                                         | Open Space Edges                                                                                                                                                                                                                                                                                                   |
| Portals                                  | Entry Portals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | N/A                                                                                                                                                                                                                                                                                                                                                                          | Boundary portals                                                                                                                                                                                                                                                                                                                                                                                                                         | Gateways:                                                                                                                                                                                                                                                                                                          |
| Landscape Buffers/<br>Landscape Setbacks | 114/ 170 Landscape Zone: The Town of Westlake has an existing requirement for a 70 ft. landscape set back from highway 114 and 170. This area should be heavily forested where development is uphill from the set back and planted in natural drifts of trees where development is at the same level (thereby allowing visual penetration. Effort should be made to screen parking with berms that separate the visual experience from the hardscape of surface parking. 114 and 170 buffer areas should be planted with native grasses of varying height that allow the creation of grass drifts in the landscape composition. See plant palette for selection options. | Boundary softening: Neighborhood edges should be planted with natural drifts of trees containing both evergreen and deciduous varieties as well as conifers that contain branch structure from ground to crown. The complexity of leaf textures and plant forms will obscure the continuous presence of perimeter walls and fences. See plant palette for selection options. | Extension of street landscape: To create greater visual connectivity across commercial roadways, project edges should bring the roadway landscaping into the project and transition to project landscaping instead of creating a landscape change line at the project boundary. This will also increase the sense of public domain. The plant selection for this merger of landscapes will be derived from the streetscape palette used. | Rural restoration: Open Spaces are opportunities to restore and preserve the rural heritage of Westlake. Therefore open spaces edges should be treated as rural edges with rural fencing and an uninterrupted ground plane that extends from the street into the open area (no intervening walls or plant screens) |
| Fencing and Walls                        | Walls and/ or fences in this area are discouraged. If used they should be screened with trees and understory planting that will conceal the wall or fence. Only agricultural fencing may be fully visible.                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Opaque privacy walls or fences abutting any street or public open space should be landscaped to provide boundary softening (as discussed above). Minimize neighborhood walls or fences as much as possible.                                                                                                                                                                  | No walls or fences at any edge interfacing a street unless it is screened or in the front yard space of commercial development.                                                                                                                                                                                                                                                                                                          | Agricultural fences or planted screens only.                                                                                                                                                                                                                                                                       |
| Landscaping                              | See plant palette for selection options.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | See plant palette for selection options.                                                                                                                                                                                                                                                                                                                                     | See plant palette for selection options.                                                                                                                                                                                                                                                                                                                                                                                                 | See plant palette for selection options.                                                                                                                                                                                                                                                                           |

| 5. Arrival and Focal Points |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design Element              | Town Hub/ Common                                                                                                                                                                                                                                                                                                                | Southern points of Entry                                                                                                                                                                                                                                                           | Highway 114                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Major Monuments             | Land Mark Monument: Town Center Landmark attaining a height of at least 35 ft., iconic expression of Texas rural heritage. This is a stone structure with features/ details derived from rural/ ranch references.                                                                                                               | N/A                                                                                                                                                                                                                                                                                | Identity Monuments type 1: Monuments integrated with overpass structures crossing Highway 114 at Davis Road/ Precinct Line Road, Westlake Parkway A, and Westlake Parkway B. These identity monuments will have characteristics compatible with the existing monuments at Westlake Parkway overpasses.<br><br>Identity Monuments type 2: Dove Road and Roanoke Road Pylons that build off of the Pylons already located at Solana. |
| Minor Monuments             | N/A                                                                                                                                                                                                                                                                                                                             | Approach monuments: Minor monuments which are visually compatible with the Identity monuments (Major Monuments) should be located at southern points of entry to Westlake, along Ottinger Road, Pearson Lane, Randol Mill/ Precinct Line Road, Peytonville Road, Shady Oaks Drive. | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Lighting                    | Internal Illumination: Internal lighting that contributes to a night form for the Town Common.<br><br>Activity Down Lighting: For pedestrian gathering areas<br>Increased Ambient Street Light: More frequently placed street lights (perhaps moving from median to road edge) to raise light levels within the urbanized area. | External Illumination: Up-lighting of the monument and its messaging.                                                                                                                                                                                                              | External Illumination: Up-lighting of the monument and its messaging.                                                                                                                                                                                                                                                                                                                                                              |
| Information Systems         | Town Identity: The name and logo of Westlake, Texas<br>Event Information: Electronic reader board capable of showing information about upcoming events, public notices, public service.<br>Memorial Information: Inscriptions and dedication plaque (s)<br>Time: Traditional Clock                                              | Town Identification: The name and logo of Westlake, Texas                                                                                                                                                                                                                          | Town Identification: The name and logo of Westlake, Texas                                                                                                                                                                                                                                                                                                                                                                          |

| 6. Active Public Spaces |                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design Element          | Major Public Gathering Space                                                                                                                                                                                                                                                                                            | Minor Public Gathering Spaces                                                                                                                                                                                                                                          | Recreational Parks                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Paving                  | <p>Stove Pavers: True stone pavement reminiscent of a traditional Town Square used as an accent and design enhancement of the general paving.</p> <p>Scored Concrete: The general paving of the gathering space.</p> <p>Decomposed Granite: Ancillary and other areas for bench placement.</p>                          | <p>Scored Concrete: The general paving of the gathering space.</p>                                                                                                                                                                                                     | <p>Concrete Trails, walkways, and ancillary use spaces: In all high traffic and intense use activity areas.</p> <p>Decomposed Granite seating and ancillary activity areas: In areas of lesser use and use intensity.</p>                                                                                                                                                                                                                                                        |
| Landscaping             | <p>High traffic tolerant grass: Within a distance from major gathering space that is no less than 200 ft. (where such lateral space exists).</p> <p>Canopy Trees: Planted to clarify definition of gathering space and to provide shade to seating/ activity areas.</p>                                                 | <p>High traffic tolerant grass: Within a distance from major gathering space that is no less than 75 ft. (where such lateral space exists).</p> <p>Canopy Trees: Planted to clarify definition of gathering space and to provide shade to seating/ activity areas.</p> | <p>High traffic capacity grass in event fields: Traffic tolerant hybrid grass on all sports fields or open areas where intense use is expected.</p> <p>Native Grass: Defining edges of traffic tolerant grass areas. These remain unmown (except as recommended for annual cropping) to demark use areas in the same manner as a fairway and the rough in golf.</p> <p>Canopy Trees: Planted in natural drifts to accentuate non traffic areas and restore native landscape.</p> |
| Lighting                | <p>Pedestrian Lighting: Pedestrian lighting along edge of gathering area that is visually similar to the period street lighting and other pedestrian lighting for Westlake.</p> <p>Landscape Lighting: up and down lights at all trees in tree wells that define the public space. Down lights only in bench areas.</p> | <p>Landscape Lighting: up and down lights at all trees in tree wells that define the public space. Down lights only in bench areas.</p>                                                                                                                                | <p>Sports Lighting: Appropriate field lighting in team sport areas.</p> <p>Pedestrian Lighting: Pedestrian lighting along walks to sport areas from parking areas.</p> <p>Parking Lighting: Parking lot lights when parking is provided that maintains a .2 foot candle ambient light level.</p>                                                                                                                                                                                 |
| Signage                 | N/A                                                                                                                                                                                                                                                                                                                     | N/A                                                                                                                                                                                                                                                                    | <p>Sponsorship panels: Space to display corporate sponsorship of sport activities. Such displays shall be mounted in a uniform frame and within a designated area for such display.</p>                                                                                                                                                                                                                                                                                          |



| 6. Active Public Spaces            |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                  |                                                                                                                                 |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Design Element                     | Major Public Gathering Space                                                                                                                                                                                                                                                                                                                                                                                                                     | Minor Public Gathering Spaces                                                                                                                                                                                    | Recreational Parks                                                                                                              |
| <b>Banners/ Flags</b>              | Standards for Banners incorporated with Pedestrian Lighting: vertical banners, attached top and bottom, for display of events, seasons, corporate sponsorship, etc.<br><br>Flag Plaza: Flag poles for the US, Texas, and Westlake Flag.                                                                                                                                                                                                          | N/A                                                                                                                                                                                                              | N/A                                                                                                                             |
| <b>Built Amenities/ Public Art</b> | Water feature: Opportunity for a public water feature such as a pool fountain or squirt fountain with a changing water display.<br><br>Memorial: Opportunity for memorial honoring leaders and civic heroes of Westlake.<br><br>Art Installation: All public gathering spaces are opportunities for public art. It is preferable that art is intrinsic to the design of the space rather than a commissioned piece to be installed in the space. | Art Installation: All public gathering spaces are opportunities for public art. It is preferable that art is intrinsic to the design of the space rather than a commissioned piece to be installed in the space. | N/A                                                                                                                             |
| <b>Information Systems</b>         | Town Identity: Westlake name, date of founding, and logo engraved into stone material of monument.<br><br>Event Information: Electronic reader board capable of showing information about upcoming events, public notices, public service.<br><br>Memorial Information: Inscriptions and dedication plaque<br><br>Time: Traditional clock                                                                                                        | Town Identity: Westlake name, date of founding, and logo engraved into stone material of monument.                                                                                                               | Town Identity: Westlake name, date of founding, and logo engraved into stone material of monument.                              |
| <b>Furniture</b>                   | Pedestrian benches and trash receptacles: Placed around edge of gathering space and/ or along walkways to the activity space.<br><br>Drinking Fountain: Public free standing drink fountain providing water for adults, children, and pets.                                                                                                                                                                                                      | Pedestrian benches and trash receptacles: Placed around edge of gathering space and/ or along walkways to the activity space.                                                                                    | Pedestrian benches and trash receptacles: Placed along pathways to and around sport activity area. At least 1 bench per 300 ft. |
| <b>Special Features</b>            | Public Restroom: Located in a specialized structure within 300 ft. of activity space.                                                                                                                                                                                                                                                                                                                                                            | N/A                                                                                                                                                                                                              | Public Restroom: located to serve multiple sport activity areas.                                                                |

| 7. Passive Public Spaces    |                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design Element              | Conservation Open Spaces                                                                                                                                                                                                                                                                                                                                                               | Landmark Landforms                                                                                                                                                                                  | Rural Heritage Areas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Public Accessibility</b> | Designated Public Access: Directed access to interpretative stations and viewpoints. Access to other areas limited to on-foot access with no trail availability.                                                                                                                                                                                                                       | Designated Public Access: Directed access via trail to interpretative stations and viewpoints. Access to other areas limited to on-foot access with no trail availability.                          | General Public Access and participation: General public access via improved walks and activity areas to interpretative and demonstration events.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Facilities</b>           | <p>Trails: Concrete trails to interpretative stations and vista points.</p> <p>Interpretative Exhibits: - Interpretative signage for various plant types, vegetative communities, wildlife habitats, and conservation awareness that are painted on metal and color coded according to message type.</p> <p>Vista Platforms: Paved, designated viewing area with bench facilities.</p> | <p>Trails: concrete trails to vista platforms.</p> <p>Vista Platforms: Paved, designated viewing area with bench facilities.</p>                                                                    | <p>Interpretive Exhibits: Programmed interpretative events that portray rural heritage of Westlake or promote conservation practices.</p> <p>Participation Demonstration structures: Wood pavilion structures that provide shelter for demonstrations. Such structures should be capable of reconfiguration in accordance with space and viewing requirement of the demonstration.</p> <p>Drinking Fountain: Combined Fountain for adults, children, and pets no more than 300 ft. from the event areas.</p> <p>Trails: Decomposed granite walkways to demonstration areas and parking areas.</p> <p>Gathering Structures: Thematic structures for large gathering event.</p> |
| <b>Landscaping</b>          | Natural fabric restoration: See plant list for selection. Objective to restore native grass, native trees and native understory at appropriate locations.                                                                                                                                                                                                                              | Natural fabric Restoration: See plant list for selection. Objective to restore native grass, native trees and native understory at appropriate locations.                                           | <p>Pasture: Native pasture Grass (see plant list for selection)</p> <p>Fence line Trees: Trees along fence rows that are typical of most rural areas. See plant list for selection.</p> <p>Homestead Trees: Trees around historic agricultural structures. See plant list for selection.</p>                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Lighting</b>             | N/A                                                                                                                                                                                                                                                                                                                                                                                    | N/A                                                                                                                                                                                                 | Activity Lighting: Lighting incorporated into activity structures and tree down lighting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Safety</b>               | Emergency call box: 1 box per 1,000 ft.                                                                                                                                                                                                                                                                                                                                                | Emergency call box: 1 box per 1,000 ft.<br>Guard Rails: At Vista Points where necessary.                                                                                                            | Activity staff and procedures: Personnel monitoring for pedestrian safety.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Information Systems</b>  | Interpretative Signage: signage for various plant types, vegetative communities, wildlife habitats, and conservation awareness that are painted on metal and color coded according to message type.                                                                                                                                                                                    | Interpretative Signage: signage for various plant types, vegetative communities, wildlife habitats, and conservation awareness that are painted on metal and color coded according to message type. | Interpretative Signage: signage for various plant types, vegetative communities, wildlife habitats, and conservation awareness that are painted on metal and color coded according to message type.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Furniture</b>            | Pedestrian Benches and trash receptacles: located at vista points                                                                                                                                                                                                                                                                                                                      | Pedestrian Benches and trash receptacles: Located at vista points.                                                                                                                                  | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

| 8. Public facilities       |                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                              |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design Element             | Police                                                                                                                                                                                                                                                                                  | Fire                                                                                                                                                                                                                                                                                                                                                                               | Municipal                                                                                                                                                                                                                                                    |
| <b>Building Identity</b>   | Masonry veneer, pitched roof, strong definition of entry and public access pathway. Deep set Utility Doors. Building lighting. Continuity with public image identity                                                                                                                    | Masonry veneer, pitched roof, strong definition of entry and public access pathway. Deep set Utility Doors. Building lighting. Continuity with public image identity                                                                                                                                                                                                               | Masonry veneer, pitched roof, strong definition of entry and public access pathway. Deep set Utility Doors. Rural stylistic references.<br><br>Building lighting. Continuity with public image identity                                                      |
| <b>Street Recognition</b>  | Rumble Strip Paving: Stone pavers making a rumble strip across street in front of Police Stations.<br><br>Premise awareness icon: A location monument that is recognizable as a police monument, located along the parkway and within the road ROW, on either side of the rumble strip. | Rumble Strip Paving: Stone pavers making a rumble strip across street in front of Fire Stations.<br><br>Premise awareness icon: A location monument that is recognizable as a police monument, located along the parkway and within the road ROW, on either side of the rumble strip. Monuments are equipped with a traffic signal to stop traffic at times of emergency response. | Lateral expansion of parkway to create entry plaza: Generous parkway width at the location of City hall that permits public gathering. A public plaza may substitute for such space when it is connected to the street.                                      |
| <b>Lighting</b>            | Street side and entry walk and ground plane illumination: Provided by building up lights and landscape down/ up lighting.                                                                                                                                                               | Street side and entry walk and ground plane illumination: Provided by building up lights and landscape down/ up lighting.                                                                                                                                                                                                                                                          | Street side and entry walk and ground plane illumination: Provided by building up lights and landscape down/ up lighting. Where the public space lacks landscape, pedestrian lighting will provide ground plane illumination.                                |
| <b>Signage</b>             | Standard Station Identification: Engraved or cast into building material.                                                                                                                                                                                                               | Standard Station Identification: Engraved or cast into building material.                                                                                                                                                                                                                                                                                                          | Monument Identification: Monument sign at street and/ or entry drive to Town Hall that identifies structure. Sign shall have a stone base and pin mounted, backlit letters.<br><br>Building mounted identification: Engraved or cast into building material. |
| <b>Safety</b>              | N/A                                                                                                                                                                                                                                                                                     | Emergency exit traffic signal: Mounted in identification pylon                                                                                                                                                                                                                                                                                                                     | N/A                                                                                                                                                                                                                                                          |
| <b>Information Systems</b> | N/A                                                                                                                                                                                                                                                                                     | N/A                                                                                                                                                                                                                                                                                                                                                                                | Electronic public notifications: Public reader board that communicates upcoming events, public notices, public service information.                                                                                                                          |
| <b>Special Features</b>    | Public Meeting room: Available to neighborhood and other public groups.                                                                                                                                                                                                                 | Public meeting room: Available to neighborhood and other public groups.                                                                                                                                                                                                                                                                                                            | Public gathering space: available for civic events, public demonstration, and organized municipal activities.                                                                                                                                                |

| 9. Site Open Space        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                            |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design Element            | Parking Lots                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Site Landscaping                                                                                                                                                                                                                                            | Buffers                                                                                                                                                                                                                                                                                    |
| <b>Spatial proportion</b> | Landscape areas should not be less than 10% of the parking apron surface in Regional Commercial, Community Commercial 1, and Town Core land Use Areas. Other Land Use areas where commercial use is permitted, parking lot landscape areas should not be less than 15% of the parking apron surface area. However, Trees placed in Parking lots should be placed so that any parking space is no further than 10 spaces from a tree. Parking lot trees not in landscape areas may be located in tree grates in the Regional Commercial and Community Commercial 1 Land Use Zones. Recommendation does not apply to parking structures. | At least 10% of any site should be in landscaped and/ or open space in Regional Commercial, Community Commercial 1, and Town Core Land Use Districts. Other Land Use areas where commercial use is permitted, the recommended minimum landscape area is 15% | Where commercial use abuts a single family residential use a minimum 20 ft. landscape buffer should be incorporated. Where a commercial use abuts an open space, at least 50% of the site's 10% minimum landscape area should abut the open space, thereby expanding the open space areas. |
| <b>Landscaping</b>        | Trees: Planted in landscape islands and tree grates. Parking lot trees should be located so that no parking space is further from a tree than 10 parking spaces.<br><br>Ornamental planting and ground cover: Flowering native shrubs and ground covers as specified in the recommended plant list.                                                                                                                                                                                                                                                                                                                                    | Trees: Natural Drifts of trees including both canopy and understory planting. Purpose to reknit the natural plant fabric.<br><br>Grasses: low maintenance Native pasture grasses.<br>Ornamental planting: Flowering native shrubs at horizontal deflectors. | Trees: Natural Drifts of trees including both canopy and understory planting. Purpose to reknit the natural plant fabric.<br><br>Grasses: low maintenance Native pasture grasses.<br>Ornamental planting: Flowering native shrubs at horizontal deflectors.                                |
| <b>Lighting</b>           | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Trees: Tree lighting within 100 ft. of structure only                                                                                                                                                                                                       | N/A                                                                                                                                                                                                                                                                                        |
| <b>Signage</b>            | Standard Station Identification: Engraved or cast into building material.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Standard Station Identification: Engraved or cast into building material.                                                                                                                                                                                   | Monument Identification: Monument sign at street and/ or entry drive to Town Hall that identifies structure. Sign shall have a stone base and pin mounted, backlit letters.<br><br>Building mounted identification: Engraved or cast into building material.                               |

| 9. Site Open Space          |                                                                                       |                                                                                                                                                                                                                                                                                               |                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design Element              | Parking Lots                                                                          | Site Landscaping                                                                                                                                                                                                                                                                              | Buffers                                                                                                                                                           |
| <b>Furniture</b>            | N/A                                                                                   | Building Entries and Activity Areas: provide one or more benches and trash receptacle.                                                                                                                                                                                                        | N/A                                                                                                                                                               |
| <b>Built Amenities/ Art</b> | N/A                                                                                   | Building Entries, building approaches, and roadway interfaces: Seize these landscape area opportunities for placement of publically visible art.                                                                                                                                              | Strategic placement of site specific art in conjunction with artist. Suggest cooperative Town/ Private property owner program to initiate such are installations. |
| <b>Banners/ Flags</b>       | Banners should be placed on parking lot lighting, not in parking lot landscape areas. | Corporate, State and national Flags encourage at all corporate office structures. In urbanized areas, such flags could be placed in close proximity to the street, creating an additional streetscape element. In campus settings, flags could be places in a flag court, close to the entry. | N/A                                                                                                                                                               |
| <b>Signage</b>              | Directional, cautionary, and parking area location signage only.                      | Premise identification monument signs with no additional advertising.                                                                                                                                                                                                                         | N/A                                                                                                                                                               |
| <b>Paving</b>               | Tree grates: Located in pave areas<br><br>Landscape Islands: no paving                | N/A                                                                                                                                                                                                                                                                                           | N/A                                                                                                                                                               |

## LISTS, SECTIONS, AND PALETTES

Various Design Initiatives explained above references information presented in list, section, or palette form in the following text. This material is included in the Town Design Structure Plan in order to further expand the action descriptions provided above. The particular lists, sections, and palettes include:

- **Plant List:** This is a listing of the plant selections available for use in various landscape actions described above. The plant list includes recommended canopy trees, ornamental trees, understory plants, shrubs, grasses, and other ornamentals.
- **Street Sections:** Street sections illustrate typical section designs for Pastoral Collectors, Town Arterials, and Regional Arterials.
- **Lighting and Signal Palette:** These show a pictorial sampling of street light fixtures, street light standards, banner arms, traffic signal standards, traffic signal arms/ fixture, pedestrian light standards, and pedestrian light fixtures suitable for Westlake lighting and signalization initiatives.
- **Information Systems Figure:** This figure shows a pictorial sampling of recommended kiosks for Westlake.
- **Furniture Palette:** This palette shows a pictorial sampling of recommended pedestrian furniture, including benches, trash receptacles, water fountains, and bike racks that are recommended for Westlake.
- **Bridges Figure:** This shows a pictorial sampling of bridge types that are recommended for Westlake.

## Recommended Plant List:

| Large Canopy Trees (minimum 4" cal. Installation DBH)                                                  |                              | Pastoral Connector | Town Arterial | Regional Arterial | Trails | Regional Edge | Neighborhood Edge | Commercial Edge | Open Space Edge | Gathering Spaces | Recreational parks | Conservation Spaces and Landforms | Rural heritage |
|--------------------------------------------------------------------------------------------------------|------------------------------|--------------------|---------------|-------------------|--------|---------------|-------------------|-----------------|-----------------|------------------|--------------------|-----------------------------------|----------------|
| Common Name                                                                                            | Botanical Name               |                    |               |                   |        |               |                   |                 |                 |                  |                    |                                   |                |
| Drummond Red Maple                                                                                     | Acer Rubrum drummondii       | X                  |               |                   |        |               |                   | X               |                 |                  |                    |                                   |                |
| October Glory Maple                                                                                    | Acer rubrum 'October Glory'  | X                  |               |                   | X      |               | X                 | X               |                 | X                |                    |                                   | X              |
| Caddo Maple                                                                                            | Acer saccharum 'Caddo'       | X                  |               |                   |        |               |                   |                 |                 |                  |                    |                                   |                |
| River Birch                                                                                            | Betula Nigra                 | X                  |               |                   |        |               |                   | X               |                 |                  |                    |                                   |                |
| Pecan                                                                                                  | Carya illinoensis            | X                  |               |                   |        |               | X                 |                 | X               |                  | X                  | X                                 | X              |
| Sweet Gum                                                                                              | Liquidambar styraciflua      | X                  |               |                   | X      |               | X                 |                 |                 |                  |                    |                                   | X              |
| Magnolia                                                                                               | Magnolia grandiflora         | X                  |               |                   |        |               | X                 |                 |                 |                  |                    |                                   | X              |
| Black Gum                                                                                              | Nyssa sylvatica              | X                  |               |                   |        | X             | X                 |                 |                 |                  |                    |                                   | X              |
| Chinese Pistachio                                                                                      | Pistacia chinensis           | X                  |               |                   |        |               |                   |                 |                 |                  |                    |                                   | X              |
| White Oak                                                                                              | Quercus Alba                 | X                  |               |                   |        | X             |                   |                 |                 |                  |                    |                                   | X              |
| Bur Oak                                                                                                | Quercus macrocarpa           | X                  |               |                   | X      | X             |                   |                 | X               |                  |                    | X                                 | X              |
| Swamp Chestnut Oak                                                                                     | Quercus michauxii            | X                  |               |                   |        | X             |                   |                 |                 |                  |                    |                                   | X              |
| Pin Oak                                                                                                | Quercus palustris            | X                  |               |                   |        | X             |                   |                 |                 |                  |                    |                                   | X              |
| Willow Oak                                                                                             | Quercus Phellos              | X                  |               |                   | X      | X             | X                 |                 | X               |                  |                    |                                   | X              |
| Live Oak                                                                                               | Quercus virginiana           |                    |               | X                 | X      | X             | X                 |                 | X               | X                | X                  | X                                 | X              |
| Bald Cypress                                                                                           | Taxodium distichum           |                    | X             |                   |        |               |                   |                 |                 | X                |                    |                                   |                |
| Cedar Elm                                                                                              | Ulmus crassifolia            |                    |               | X                 |        | X             | X                 |                 | X               | X                | X                  | X                                 | X              |
| Lacebark Elm                                                                                           | Ulmus parvifolia sepervirens |                    |               |                   |        |               |                   |                 |                 | X                |                    |                                   |                |
| Slash Pine *                                                                                           | Pinus elliotii               | X                  | X             |                   |        | X             | X                 |                 | X               |                  |                    | X                                 |                |
| * and/or the same pine species currently growing along Solana Blvd. at the Village Circle intersection |                              |                    |               |                   |        |               |                   |                 |                 |                  |                    |                                   |                |



| Ornamental Trees (minimum 6' installation height) |                             | Pastoral Connector | Town Arterial | Regional Arterial | Trails | Regional Edge | Neighborhood Edge | Commercial Edge | Open Space Edge | Gathering Spaces | Recreational parks | Conservation Spaces and Landforms | Rural heritage |
|---------------------------------------------------|-----------------------------|--------------------|---------------|-------------------|--------|---------------|-------------------|-----------------|-----------------|------------------|--------------------|-----------------------------------|----------------|
| Common Name                                       | Botanical Name              |                    |               |                   |        |               |                   |                 |                 |                  |                    |                                   |                |
| Fringe Tree                                       | <i>Chionathus virginica</i> |                    |               |                   |        |               |                   |                 |                 |                  |                    |                                   |                |
| Flowering Dogwood                                 | <i>Cornus Florida</i>       | X                  |               |                   | X      | X             |                   |                 |                 |                  |                    | X                                 | X              |
| Titi                                              | <i>Cyrilla racemiflora</i>  |                    |               |                   |        |               |                   |                 |                 |                  |                    |                                   |                |
| Possumhaw                                         | <i>Ilex decidua</i>         |                    |               |                   |        |               |                   |                 |                 |                  |                    |                                   |                |
| Crape Myrtle                                      | <i>Lagerstroemia sp.</i>    |                    |               | X                 |        |               |                   | X               |                 | X                | X                  |                                   |                |
| Wax Myrtle                                        | <i>Myrica cerifera</i>      |                    | X             |                   |        | X             | X                 |                 |                 | X                | X                  |                                   | X              |
| Mexican Plum                                      | <i>Prunus meYicana</i>      | X                  |               |                   | X      | X             | X                 |                 | X               | X                |                    |                                   | X              |
| Mexican Buckeye                                   | <i>Ungnadia speciosa</i>    |                    |               |                   |        |               |                   | X               |                 |                  |                    |                                   |                |
| Vitex                                             | <i>Vitex agenus-castus</i>  |                    |               |                   |        |               |                   |                 |                 |                  |                    |                                   |                |

| Evergreen Trees (minimum 6' installation height) |                                          | Pastoral Connector | Town Arterial | Regional Arterial | Trails | Regional Edge | Neighborhood Edge | Commercial Edge | Open Space Edge | Gathering Spaces | Recreational parks | Conservation Spaces and Landforms | Rural heritage |
|--------------------------------------------------|------------------------------------------|--------------------|---------------|-------------------|--------|---------------|-------------------|-----------------|-----------------|------------------|--------------------|-----------------------------------|----------------|
| Common Name                                      | Botanical Name                           |                    |               |                   |        |               |                   |                 |                 |                  |                    |                                   |                |
| Yaupon Holly                                     | <i>Ilex vomitoria</i>                    |                    |               | X                 |        |               |                   | X               |                 | X                | X                  |                                   |                |
| Nellie R. Stevens Holly                          | <i>Ilex X 'Nellie R. Stevens'</i>        |                    |               | X                 |        |               |                   | X               |                 | X                | X                  |                                   |                |
| Foster Holly                                     | <i>Ilex X attenuata 'Foster'</i>         |                    |               | X                 |        |               | X                 | X               |                 | X                | X                  |                                   |                |
| Eastern Red Cedar                                | <i>Juniperus virginiana</i>              | X                  |               |                   |        |               | X                 |                 | X               |                  | X                  |                                   | X              |
| Little Gem Magnolia                              | <i>Magnolia grandiflora 'Little Gen'</i> |                    |               |                   |        | X             | X                 |                 |                 | X                | X                  |                                   | X              |
| Wax Myrtle                                       | <i>Myrica cerifera</i>                   | X                  | X             |                   |        | X             | X                 |                 | X               |                  |                    |                                   | X              |
| Red Bay                                          | <i>Persea barbonia</i>                   |                    | X             |                   |        |               |                   |                 |                 |                  |                    |                                   | X              |
| Indian Cherry                                    | <i>Rhamnus caroliniana</i>               |                    | X             |                   |        | X             | X                 |                 | X               |                  |                    |                                   | X              |
| Mexican Fan Palm                                 | <i>Washingtonia robusta</i>              |                    |               |                   |        |               |                   |                 |                 |                  |                    |                                   | X              |

| Shrubs (minimum 5 gal. 24" o.c. Installation) |                                           | Pastoral Connector | Town Arterial | Regional Arterial | Trails | Regional Edge | Neighborhood Edge | Commercial Edge | Open Space Edge | Gathering Spaces | Recreational parks | Conservation Spaces and Landforms | Rural heritage |
|-----------------------------------------------|-------------------------------------------|--------------------|---------------|-------------------|--------|---------------|-------------------|-----------------|-----------------|------------------|--------------------|-----------------------------------|----------------|
| Common Name                                   | Botanical Name                            |                    |               |                   |        |               |                   |                 |                 |                  |                    |                                   |                |
| American Beautyberry                          | <i>Callicarpa americana</i>               | X                  |               |                   | X      |               | X                 |                 | X               |                  |                    |                                   | X              |
| Eleagnus                                      | <i>Elaeagnus macrophylla</i> 'Ebbenji'    |                    |               |                   |        |               | X                 | X               |                 |                  | X                  |                                   | X              |
| Coral Bean                                    | <i>Erythrina herbacea</i>                 |                    |               |                   | X      |               | X                 | X               | X               | X                |                    |                                   | X              |
| Forsythia                                     | <i>Forsythia intermedia</i>               | X                  |               |                   | X      | X             | X                 | X               | X               |                  |                    |                                   | X              |
| Red Yucca                                     | <i>Hesperaloe parviflora</i>              |                    | X             |                   | X      | X             | X                 | X               | X               | X                | X                  | X                                 | X              |
| Oakleaf Hydrangea                             | <i>Hydrangea quercifolia</i>              |                    |               |                   |        |               | X                 | X               |                 |                  |                    |                                   |                |
| Holly var.                                    | <i>Ilex spp.</i>                          |                    |               |                   |        |               | X                 | X               |                 |                  |                    |                                   | X              |
| Dwf. Yaupon                                   | <i>Ilex vomitoria</i> 'nana'              |                    |               |                   |        |               |                   | X               |                 |                  |                    |                                   | X              |
| Virginia Sweetspire                           | <i>Itea virginica</i>                     | X                  |               |                   |        | X             | X                 |                 | X               |                  | X                  |                                   | X              |
| Juniper var.                                  | <i>Juniperus var.</i>                     | X                  |               |                   | X      | X             | X                 |                 | X               |                  |                    |                                   | X              |
| Manzanita                                     | <i>Malphigia glabra</i>                   | X                  | X             |                   | X      | X             | X                 |                 | X               |                  |                    | X                                 | X              |
| Miscanthus                                    | <i>Miscanthus spp.</i>                    | X                  |               |                   | X      | X             |                   |                 | X               |                  |                    |                                   |                |
| Muhlenbergia                                  | <i>Muhlenbergia spp.</i>                  | X                  | X             |                   |        | X             | X                 |                 | X               | X                | X                  | X                                 | X              |
| Dwarf Wax Myrtle                              | <i>Myrica cerifera</i>                    |                    |               | X                 |        |               |                   | X               |                 |                  |                    |                                   |                |
| Nandina                                       | <i>Nandina domestica</i>                  |                    |               | X                 |        |               |                   | X               |                 |                  |                    |                                   |                |
| Switchgrass                                   | <i>Panicum virgatum</i>                   | X                  | X             | X                 | X      | X             | X                 | X               | X               |                  |                    |                                   | X              |
| Needle Palm                                   | <i>Rhapidophyllum hystrix</i>             |                    |               |                   |        |               |                   | X               |                 |                  |                    |                                   |                |
| Indian Hawthorn                               | <i>Rhaphiolepis indica</i>                |                    |               |                   |        |               | X                 | X               |                 |                  |                    |                                   |                |
| Aromatic Sumac                                | <i>Rhus aromatica</i>                     | X                  |               |                   | X      | X             | X                 |                 | X               |                  | X                  | X                                 | X              |
| Sumac                                         | <i>Rhus glabra</i>                        | X                  |               |                   | X      | X             | X                 |                 | X               |                  | X                  | X                                 | X              |
| Spirea var.                                   | <i>Spirea</i>                             | X                  |               |                   |        |               | X                 | X               |                 |                  | X                  |                                   |                |
| Anthony Waterer Spirea                        | <i>Spirea X Bumalda</i> 'Anthony Waterer' | X                  | X             |                   | X      | X             | X                 |                 | X               |                  | X                  | X                                 | X              |
| Viburnum                                      | <i>Viburnum spp.</i>                      | X                  | X             |                   | X      | X             | X                 |                 |                 |                  |                    |                                   | X              |

| Groundcover (minimum 4" pot 4" o.c. Installation) |                                       | Pastoral Connector | Town Arterial | Regional Arterial | Trails | Regional Edge | Neighborhood Edge | Commercial Edge | Open Space Edge | Gathering Spaces | Recreational parks | Conservation Spaces and Landforms | Rural heritage |
|---------------------------------------------------|---------------------------------------|--------------------|---------------|-------------------|--------|---------------|-------------------|-----------------|-----------------|------------------|--------------------|-----------------------------------|----------------|
| Common Name                                       | Botanical Name                        |                    |               |                   |        |               |                   |                 |                 |                  |                    |                                   |                |
| Inland Sea Oats                                   | <i>Chasmanthum latifolium</i>         | X                  | X             | X                 | X      | X             | X                 |                 | X               |                  |                    | X                                 |                |
| Winter Creeper                                    | <i>Euonymous fortunei 'Coloratus'</i> | X                  |               |                   |        |               | X                 |                 | X               |                  |                    |                                   | X              |
| Spider Lilly                                      | <i>Hymenocallis sp.</i>               |                    |               |                   |        |               | X                 |                 |                 |                  |                    |                                   |                |
| Trailing Lantana                                  | <i>Lantana sellowiana</i>             | X                  | X             |                   | X      | X             | X                 | X               | X               | X                | X                  |                                   | X              |
| Agapanthus Africanus                              | <i>Lily of the Nile</i>               |                    |               |                   |        |               |                   | X               |                 |                  |                    |                                   | X              |
| Liriope var.                                      | <i>Liriope spp.</i>                   |                    |               | X                 |        |               |                   | X               |                 |                  |                    |                                   | X              |
| Ophiopogon                                        | <i>Ophiopogon japonicus</i>           |                    |               | X                 |        |               |                   | X               |                 |                  |                    |                                   | X              |
| Southern Woodfern                                 | <i>Thelypteris kunthii</i>            |                    |               | X                 |        |               |                   | X               |                 |                  |                    |                                   | X              |
| Asian Jasmine                                     | <i>Trachelospermum asiaticum</i>      |                    |               | X                 |        |               | X                 | X               |                 |                  |                    |                                   | X              |

Example Canopy Trees:

|                                                                                     |                                                                                     |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Drummond Red Maple                                                                  | October Glory Maple                                                                 | Sweet Gum                                                                             |
|    |    |    |
| Black Gum                                                                           | White Oak                                                                           | Burr Oak                                                                              |
|    |    |    |
| Swamp Chestnut Oak                                                                  | Live Oak                                                                            | Cedar Elm                                                                             |
|  |  |  |
| Bald Cypress                                                                        | Slash Pine                                                                          |                                                                                       |
|  |  |                                                                                       |

## Example Ornamental Trees:

Redbud



Fringe Tree



Titi



Possumhaw



Mexican Plum



Vitex





Example Evergreen Trees:

Japanese Blueberry



Nellie R. Stevens Holly



Foster Holly



Eastern Red Cedar



Wax Myrtle



Red Bay



## Example Shrubs:

Abelia



American Beautyberry



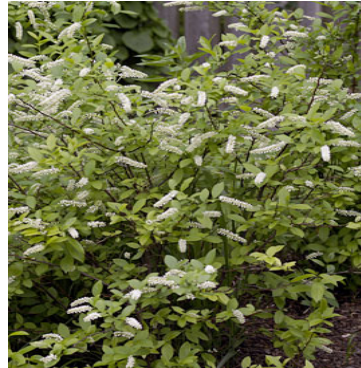
Coral bean



Red Yucca



Virginia Sweetspire



Juniper Var.



Manzanita



Sumac



Anthony Waterer Spirea



Viburnum





Example Ground Cover:

Ardisia



Inland Sea Oats



Winter Creeper



Trailing Lantana



Spider Lilly



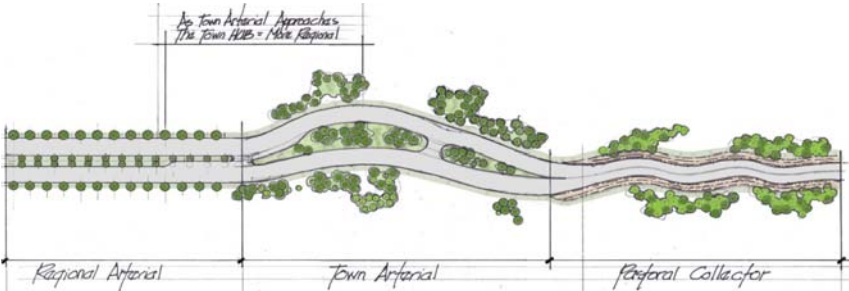
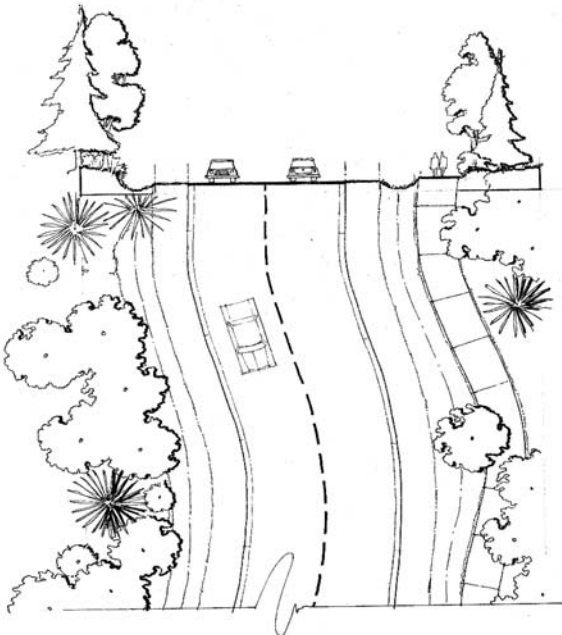


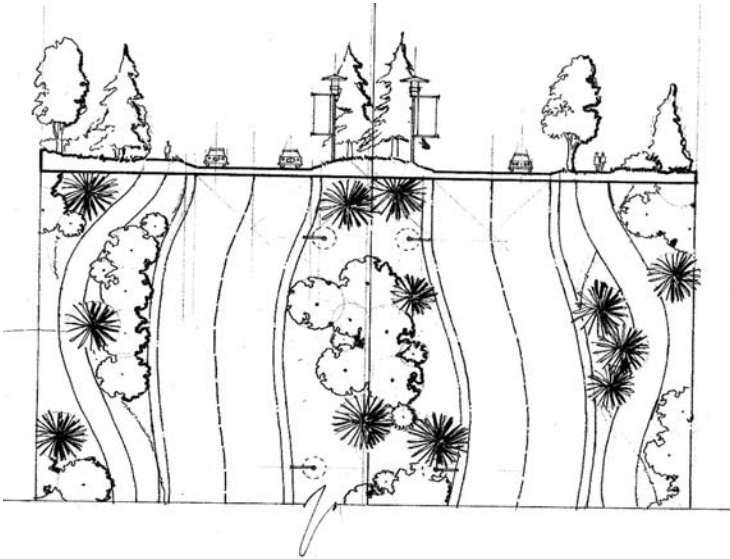
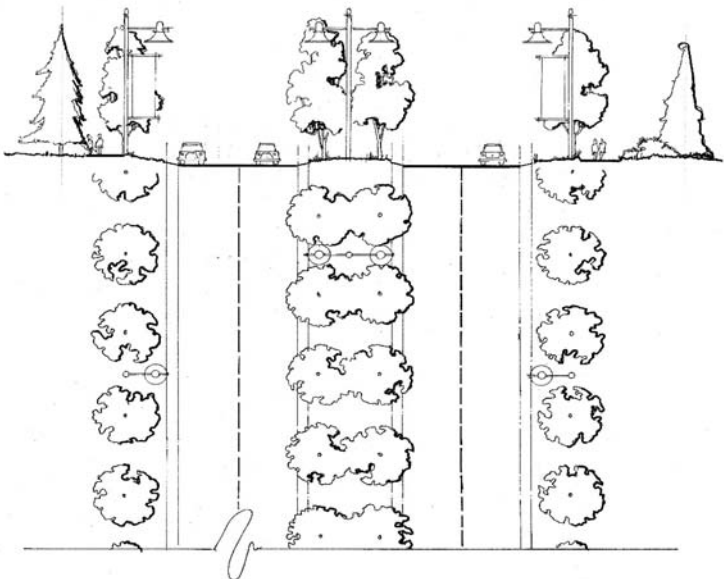
**Street Sections:** The following palette illustrates standard sections for the Pastoral Collector, the Town Arterial, and the Regional Arterial. The first image in the palette is a transect that illustrates how the three Street Types differ in terms of:

**1. Natural to Urban Organization of the Landscape:** The pastoral areas are identified by a plant type and planting pattern that has the appearance of a naturally formed, drifted landscape. Here, the view from the road is meant to be the view of Westlake's characteristically beautiful and

undisturbed natural condition. As one approaches the more urbanized areas, the street planting becomes more ordered and lined.

**2. Motorial to Directed Street Alignment:** The rolling topography of Westlake is experienced by gracefull, curvilinear streets with a variable width median. The alignments are truly responsive to the landscape condition. However, as the context is more developed/urbanized, the streets become straighter and transform from parkway into boulevard.

| STREET SECTIONS PALETTE |                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------|
| STREET TYPE             | STREET SECTION                                                                       |
| Street Type Transect    |   |
| Pastoral Collector      |  |

| STREET SECTIONS PALETTE |                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------|
| STREET TYPE             | STREET SECTION                                                                       |
| Town Arterial           |   |
| Regional Arterial       |  |

**Lighting and Signal Palette:** The street lighting palette builds upon the lighting already being used along Solana Boulevard (the Town Arterial) and Westlake Parkway (the Regional Arterial).

| STREET LIGHTING AND SIGNAL PALETTE |                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| STREET TYPE                        | STANDARD/ FIXTURE/ HARDWARE                                                                                                                                                                                                                                                                                                                                                |
| Pastoral Collector                 | <div> </div> <p>Pools of light, not continuous illumination. Rural Coop Lighting. A pole mounted light such as the following by Sternberg Lighting with single arm, mounted to a simple square pole. This is compatible with the Regional Road fixture.</p> <div> </div> |

| STREET LIGHTING AND SIGNAL PALETTE |                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| STREET TYPE                        | STANDARD/ FIXTURE/ HARDWARE                                                                                                                                                                                                                                                                                                                 |
| Town Arterial                      |  <p>Building upon the fixtures already installed along Solana Boulevard. Possibly a close derivation such as the Villa by Sternberg Lighting or others by BEGA.</p>  |

| STREET LIGHTING AND SIGNAL PALETTE |                                                                                                                                                                                                                                           |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| STREET TYPE                        | STANDARD/ FIXTURE/ HARDWARE                                                                                                                                                                                                               |
| Regional Arterial                  |  <p>Building upon the fixtures already installed along Westlake Parkway. Possibly a close derivation such as the Gallery 1970 by Sternberg Lighting</p> |
|                                    |  <p>Lights should have banner arms such as these by Sternberg Lighting</p>                                                                             |
|                                    |                                                                                                                                                       |



**Pedestrian Furniture and Information Systems:** Pedestrian furniture should be simple, sculptural, and not overly

reminiscent of an historical period. Like the commercial architecture of the Town, the street furniture should be elegant in its simplicity.

| STREET/PLAZA FURNITURE AND INFORMATION SYSTEMS PALETTE |                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TYPE                                                   | SELECTION AND CHARACTERISTICS                                                                                                                                                                                                                                                                             |
| Benches                                                |  <div> <div>backless</div> <div>backed</div> <div>backed with arms</div> </div>                                                                                                                                         |
|                                                        |                                                                                                                                      |
|                                                        |  <p>A simple slatted bench which is both timeless and elegant such as the Parc Vue by Landscape Forms or the bottom image from Tolar Industries.</p>                                                                  |
| Kiosks                                                 |   <p>A simple 4 sided or round kiosk advertising structure such as these provided by Matrix Media National and Outdoor Media.</p> |



## STREET/PLAZA FURNITURE AND INFORMATION SYSTEMS PALETTE

### TYPE

### SELECTION AND CHARACTERISTICS

#### Trash Receptacle



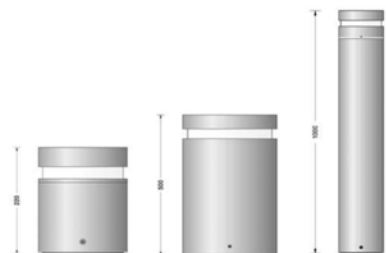
A classic wire mesh receptacle such as the Parc Vue Litter Receptacle or the ribbed one by Tolar Industries.

#### Bike Racks



A simple sculptural shape such as the Pi Bike Rack from Landscape Forms

#### Bollards



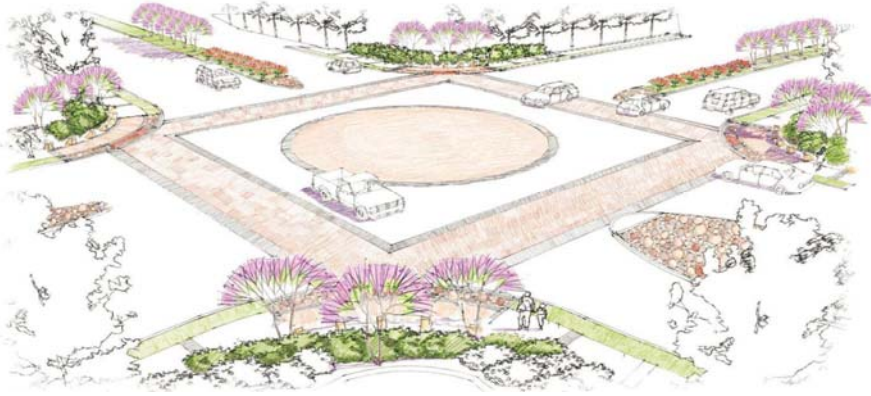
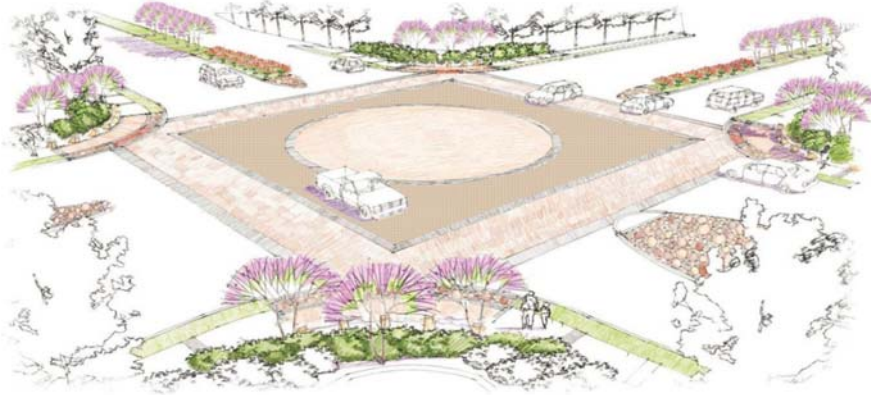
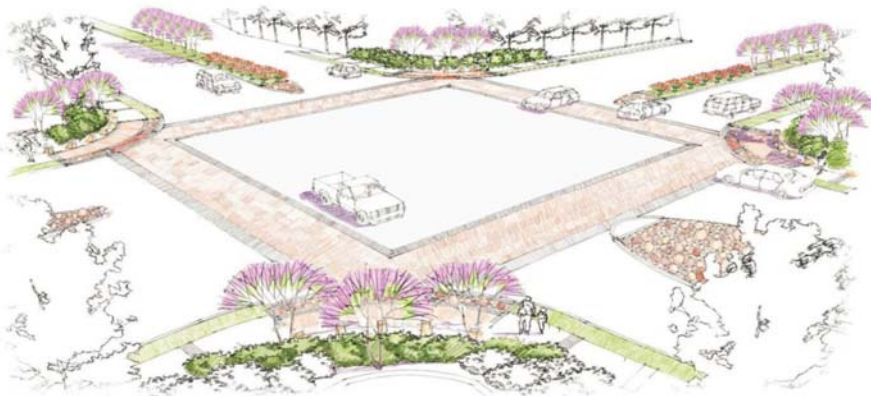
A simple shape that can also provide pedestrian lighting such as the Annapolis by Landscape forms or the 7740, 7741, and 8554 by BEGA

**Bridges:** Future bridges should continue the basic bridge types that exists in Westlake today.

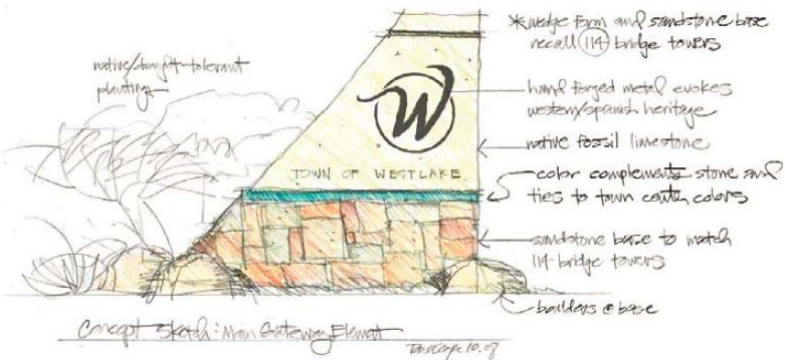
| BRIDGE PALETTE                     |                                                                                                                                                                                                                                                   |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BRIDGE TYPE                        | BRIDGE APPEARANCE                                                                                                                                                                                                                                 |
| All Highway 114 and 170 overpasses | <div></div> <p>Hillwood has set the theme for treatment of Highway 114 and Highway 170 Overpasses</p>                                                           |
| All bridges within the Town        | <div></div> <p>The Town has already set the theme for general bridges.</p> |

**Other Visual Themes Palette:** The following palette presents a set of other visual themes for monuments, signage, and intersections. These visual themes seek to employ a unified use of material and forms

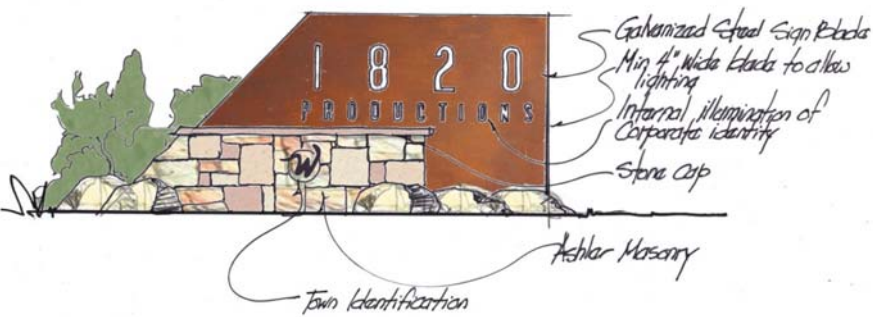
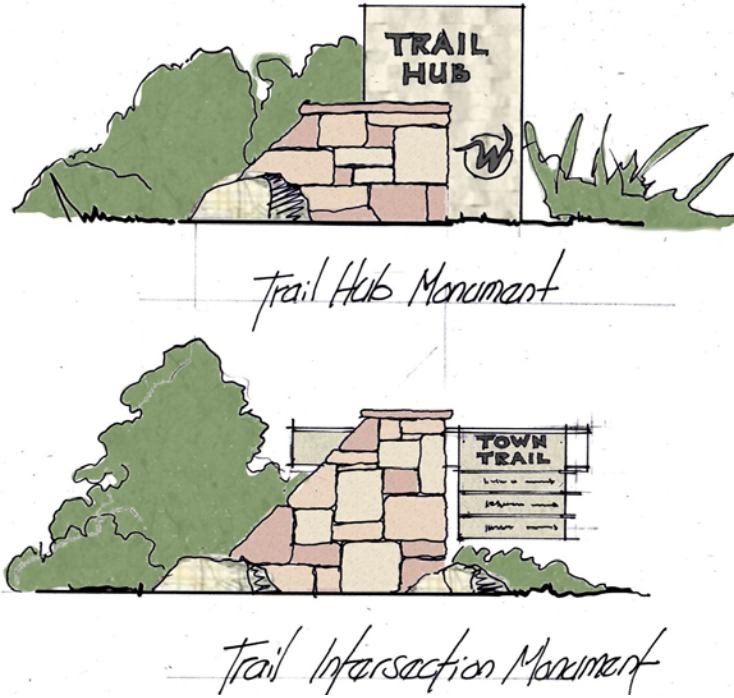
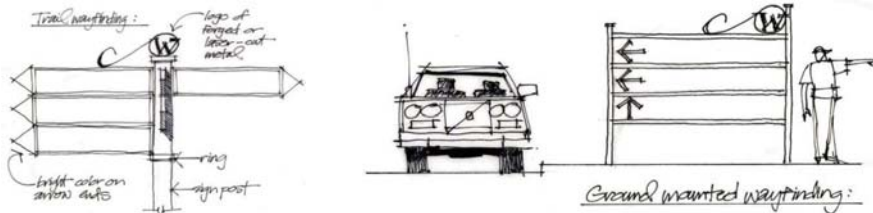
to create an overarching visual character that is uniquely Westlake. Much of this section builds on work done for the Town of Westlake by Townscape.

| OTHER VISUAL THEMES PALETTE |                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| TYPE                        | THEMATIC APPEARANCE                                                                                                                           |
|                             |  <p>When a Town Roadway intersects a Town Roadway</p>       |
|                             |  <p>When a Town Roadway intersects a Regional Roadway</p>  |
|                             |  <p>When a Town Roadway intersects a Pastoral Roadway</p> |



| OTHER VISUAL THEMES PALETTE |                                                                                                                                                                                                  |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TYPE                        | THEMATIC APPEARANCE                                                                                                                                                                              |
| Overpass Monuments          |  <p>Hillwood has already set the theme for overpass monuments.</p>                                             |
| Underpass Monuments         |  <p>Continue the vernacular of stone and simple forms that remember the forms at Solana</p>                   |
| Southern Entry Monuments    |  <p>Continue the vernacular of stone as suggested by Townscape in this image from their Streetscape Plan</p> |

## OTHER VISUAL THEMES PALETTE

| TYPE            | THEMATIC APPEARANCE                                                                                                                                                                     |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Premise Signage |  <p>Continue the vernacular of stone and simple forms that remembers the themes already in place</p>  |
| Trail Heads     |  <p>Continue the vernacular of stone and simple forms that remembers the themes already in place</p> |
| Way Finding     |  <p>A sign concept developed by Townscape</p>                                                       |

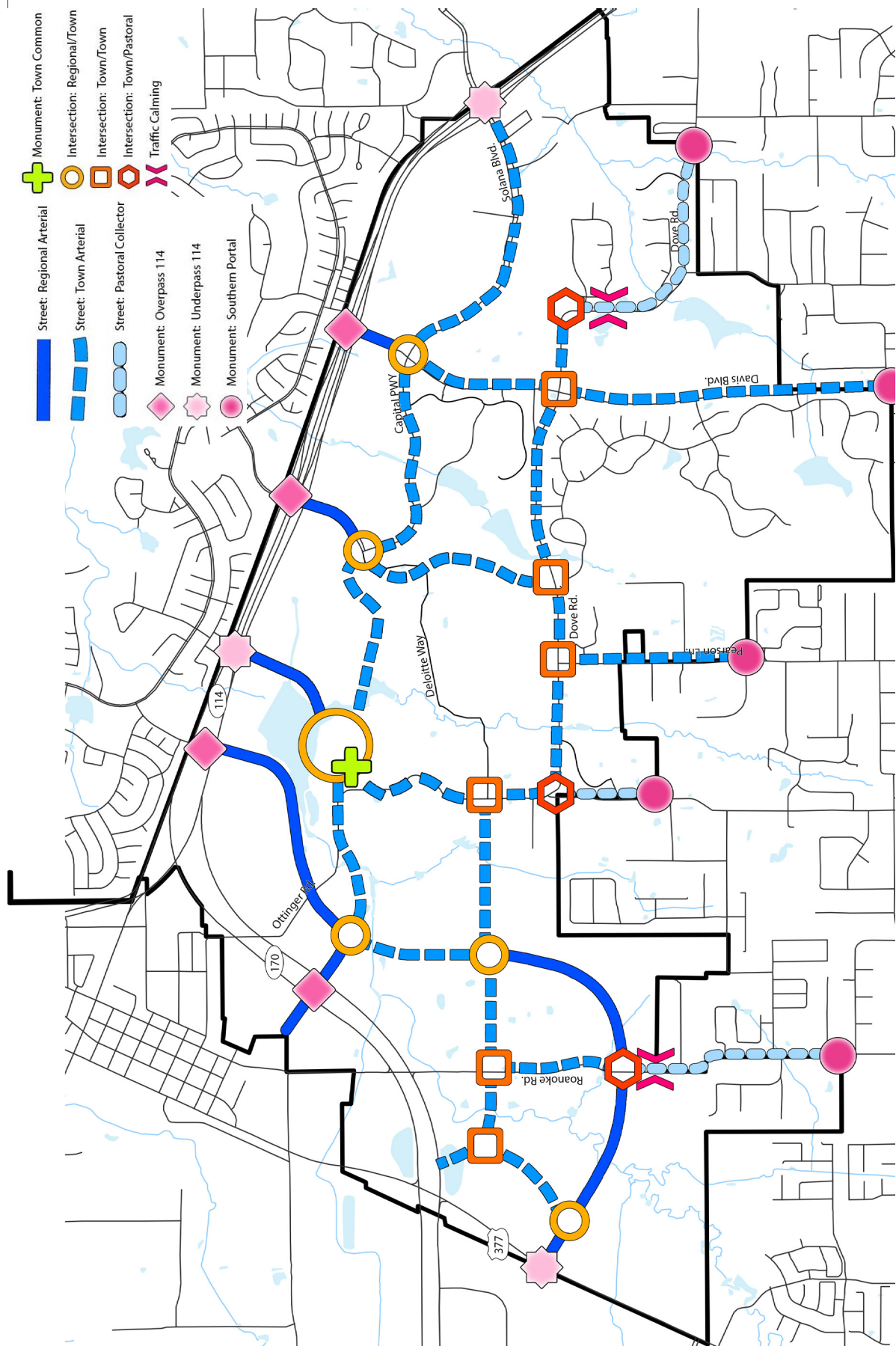
## TOWN DESIGN STRUCTURE PLAN

The following Town Design Structure Plan illustrates the various Urban Design Initiatives (intersections, portals, monumentation, etc.), described above, as they are arrayed within the fabric of Westlake. The essence of this Town Design Structure Plan is to visually pull together the various landmark and thematic features installed by private (such as the towers at Solana) and public (such as the bridges along Dove Road) parties and create a unified identity for the Town. Continued fragmented efforts will ultimately make it impossible to communicate a single coherent identity. It is important to see that the following compositional features of cognitive structure are established in this Plan Element:

1. Creation of a major town focal point within the heart of its commercial areas that functions as an organic Town Common.
2. Visual separation of roadway type with the Regional and Pastoral Roadway Types emanating out from the Town System, making the Town System the hub of movement within Westlake. This implements citizens' desire to have a town hub in Westlake.
3. Demarcation of the interface between Town System and Regional System with special intersection design (vertical and horizontal design).
4. Demarcation of the interface between the Town System and the Pastoral System with special intersection design (vertical and horizontal design).
5. Using the present visual differences between over pass and underpass monumentation in Westlake, create a pattern of monumentation types where all over passes establish a visual distinction that builds off the present appearance of Westlake Parkway and all under passes establish a visual distinction that builds off the present appearance of Solana Boulevard.
6. Demarcation of Westlake's southern edge (important to maintenance of market distinction) with a distinctive roadway portal monument.
7. Demarcation of the entry to Westlake's pastoral region with horizontal deflection and traffic calming installations (narrowing of the pastoral street at its intersection with the Town Roadways with landscaped "neck-downs" that discourage entry by pass-through traffic flows.



# THE TOWN DESIGN STRUCTURE PLAN



**DISCLAIMER:** The location of urban design elements, not located within a street right of way and shown on the Town Design Structure Plan, in no way modifies any approved PD Plan, PD Ordinance, or zoning. The location of Urban Design Elements (other than those located within the a street right of way) is to be determined through a cooperative Town/ property owner process which takes place as site plans, requests for amendment of any existing Planned Development Ordinance, and/or requests to transfer commercial square footage from one land use district to another are submitted for Council approval (when the legal mechanism for such transfer has been adopted by the Town of Westlake). See Section D of the Implementation Plan for trigger points and other policy related information.