

4TH STREET REVITALIZATION – PHASE 2

Vicinity Map

This project is a continuation of the Phase 1 project which was constructed between Osuna/Chavez Road and Pueblo Solano. Phase 2 will start at Pueblo Solano and end at the Village limits a few hundred feet north of Ortega Road. Bernalillo County just started design of a road diet that will continue the project to Alameda.



Project Map Bohannon Huston

4TH STREET REVITALIZATION – PHASE 2

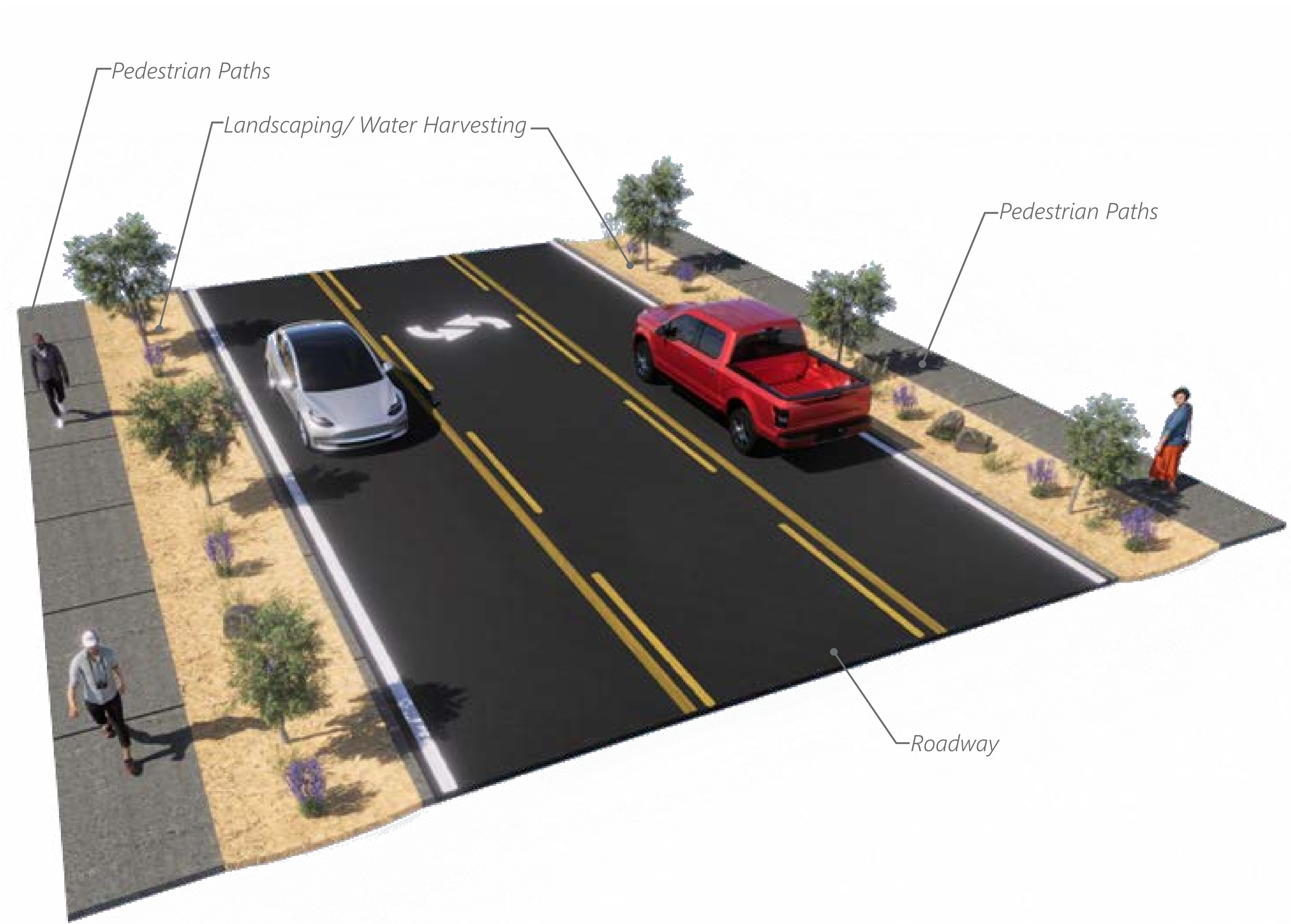
Typical Section

SIDEWALK WITH ESTATE CURB ON BOTH SIDES

The proposed roadway section will be one lane in each direction with a center turn lane and sidewalk on both sides. The driving lanes will be 9.5' wide to slow traffic. A flat estate curb will keep the edge of the road from breaking and delineate the road from the landscaping for drivers. Rainwater will flow right over the curb into the landscaping. This typical section was selected by public input in March 2022 and approved by the board of trustees in May 2022.

TYPICAL CONDITIONS

- Good pedestrian paths on both sides
- Allows for bus shelters on both sides
- Landscaping / Water Harvesting
- Storm water picked up in landscaping instead of drop inlets



BHI Typical Section Plan

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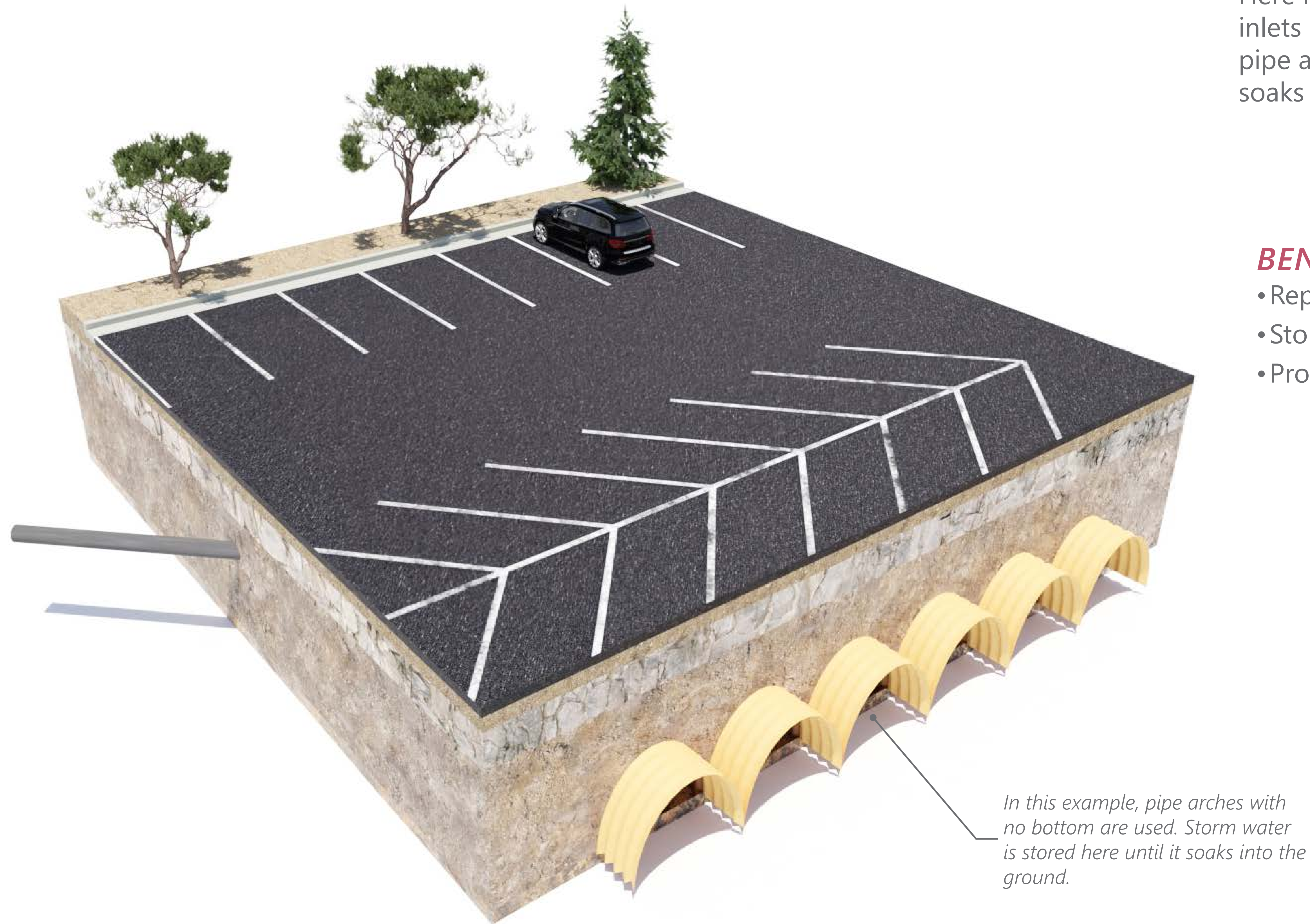
Underground Storm Water Storage & Infiltration

STORM WATER INFILTRATION

Here is an example of underground storage. The stormwater from the inlets goes through pipes to the underground storage. In this example, pipe arches with no bottom are used. Storm water is stored here until it soaks into the ground. The surface can be used for parking or a park.

BENEFITS:

- Replenishes Ground Water
- Storage systems are made by many different companies
- Property can become a park or a parking lot



BHI Underground Stormwater Storage & Infiltration

4TH STREET REVITALIZATION – PHASE 2

Project Schedule

TASK	DATE
Public Information Meeting #1	May 17, 2023
Public Information Meeting #2 for Aesthetics	Summer 2023
Public Information Meeting #3	Fall 2023
Property Owner Open Houses	Fall 2023
Public Information Meeting #4	Spring 2024
Construction Plans and Specifications	Fall 2024

BHI project schedule

4TH STREET REVITALIZATION – PHASE 2

National Environmental Protection Act

COMPLIANCE

- **State Historic Preservation Officer** - No impacts to historic properties
- **Biological Surveys Completed** - No biological resources impacted
- **Hazardous Materials Testing** - Drilling indicates no hazardous materials in soil. Samples submitted to lab for testing.
- **Water Resources** - Storm water harvesting & permeable pavement helps clean water before entering water table.
- **Slower Traffic** - Less traffic noise
- **Additional Pedestrian Facilities** - Improves Health and Safety
- **Air Quality** - Slower traffic produces more air pollutants. Landscaping removes carbon dioxide from air.
- **Visual Resources** - A mixture of hardscape and natural materials will create a pleasing aesthetic
- **Reduced Asphalt Paving**- Lane reduction will decrease the amount of asphalt paving

4TH STREET REVITALIZATION – PHASE 2

Funding

FUNDING PHASES

- **Engineering and design (funding complete):** *\$1,078,858*
- **Right of way:** *\$1,000,000* Covid Relief Funds October 2023 - August 2024

- **Construction Cost Estimate:** *\$28,000,000*
- **Phase 2A - Pueblo Solano to Ranchitos Road:** *\$9,000,000*
State Funding secured- *\$3,000,000*
- **Phase 2B - Ranchitos to Paseo del Norte Overpass**
Federal Funding secured- *\$6,624,373*
- **Phase 2C - Paseo del Norte Overpass to Village Limits**
No Funding Secured

4TH STREET REVITALIZATION – PHASE 2

Materials & Site Furnishings

MATERIALS

PAVING



Concrete with Integral Color



Brick Pavers



Textured Colored Concrete

ACCENT PAVING



Riccobene Pavers



Pavers with Crushed Gravel



Crusher Fines

ROCK



4"-8" Cobble



1" Rock Mulch



Crushed Gravel and Fines Mix

MULTI-USE TRAIL SURFACING



Asphalt



Concrete with Integral Color



Concrete Pavers

SITE FURNISHINGS



Custom Wood and Steel Bench



Forms and Surfaces Twist Bike Rack



Custom Bus Shelter



Wabash Valley Urbanscape Litter Receptacle



Dog Waste Dispensers

LIGHTING



Pedestrian Lighting



Catenary Lights

4TH STREET REVITALIZATION – PHASE 2

Streetscape Plant Palette

PRIMARY TREES



Arizona Ash
*Fraxinus velutina**



Chinese Pistache
*Pistacia chinensis**



Emerald Sunshine Elm
Ulmus propinqua 'JFS-Bieberich'

SHRUBS



Provence Lavender
Lavandula x intermedia 'Provence'



Turpentine Bush
*Ericameria laricifolia**



Pawnee Buttes Sand Cherry
Prunus besseyi 'Pawnee Buttes'



Dwarf Chamisa
Chrysothamnus nauseosus *nauseosus*



FlowerKisser Dark Shadows Sage
Salvia 'FlowerKisser Dark Shadows'

GRASSES



Blonde Ambition Blue Grama
Bouteloua gracilis 'Blonde Ambition'



Standing Ovation Little Bluestem
Schizachyrium scoparium 'Standing Ovation'



Indian Grass
Sorghastrum nutans



Deer Grass
Muhlenbergia rigens



Blue Oats
Helictotrichon sempervirens

ACCENT TREES



New Mexico Robed Locust
Robinia neomexicana



Moorpark Apricot
*Prunus armeniaca**



Bing Sweet Cherry
Prunus avium 'Bing'

DESERT ACCENTS



Red Yucca
*Hesperaloe parviflora**



Spineless Prickly Pear
Opuntia ellisiana



Pale Leaf Yucca
Yuca pallida



Beaked Yucca
Yuca rostrata



White Sands Claretcup
Echinocereus triglochidiatus

PERENNIALS



Greek Germander
*Teucrium cossonii majoricum**



Moonshine Yarrow
Achillea x 'Moonshine'



Golden Dalea
Dalea capitata



Flame Acanthus
Anisacanthus wrightii



Sulfur Buckwheat
Eriogonum umbellatum

* Plants included in the Phase 1 Planting Palette

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Green Stormwater Infrastructure (GSI)

DESIGN PRECEDENTS

PARKWAYS



Rincon Heights Neighborhood
Tucson, AZ



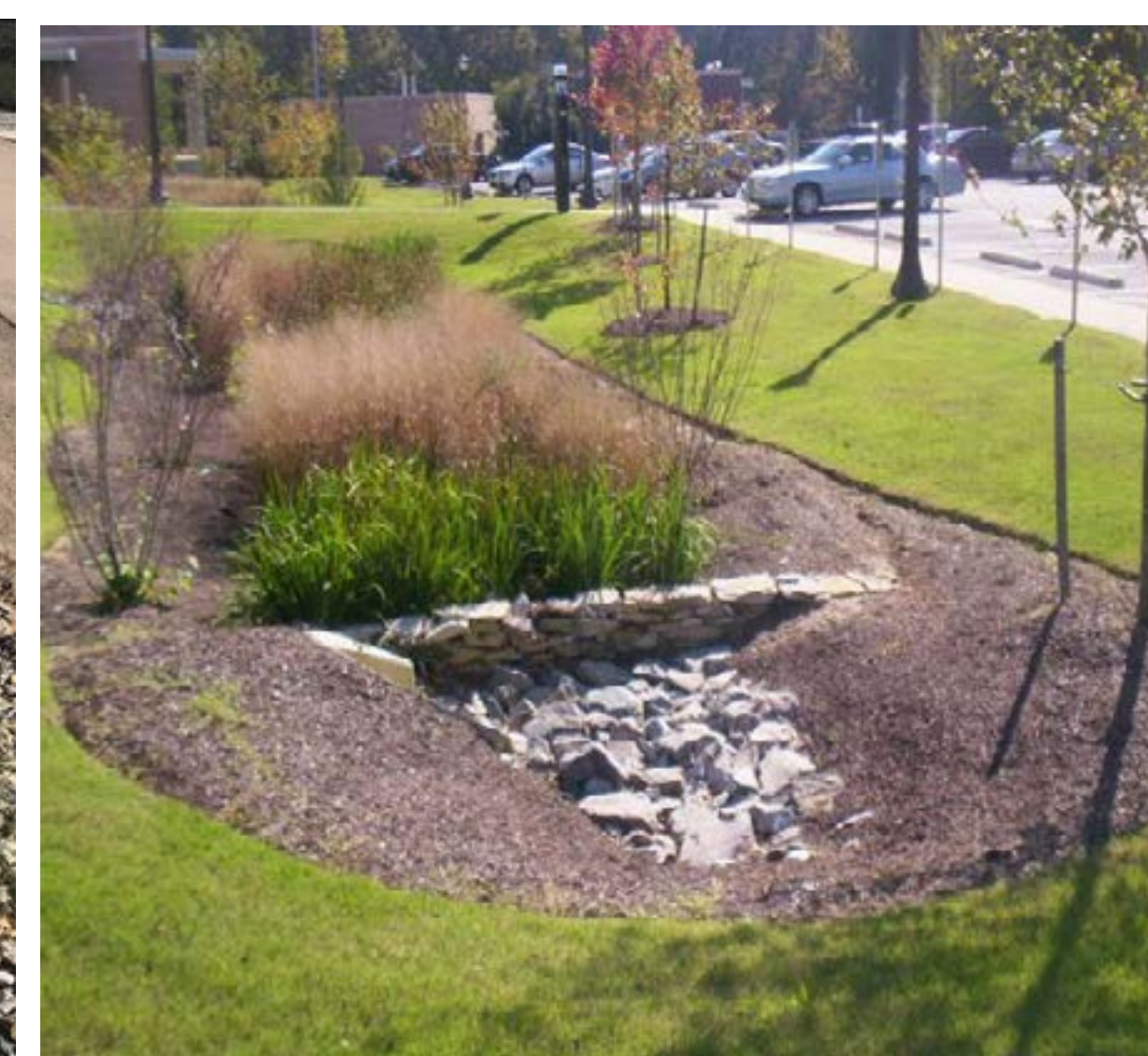
Dunbar Springs Neighborhood
Tucson, AZ



South Second St
Albuquerque, NM



Concrete Check Dam



Stone Check Dam

PERMEABLE PARKING LOTS



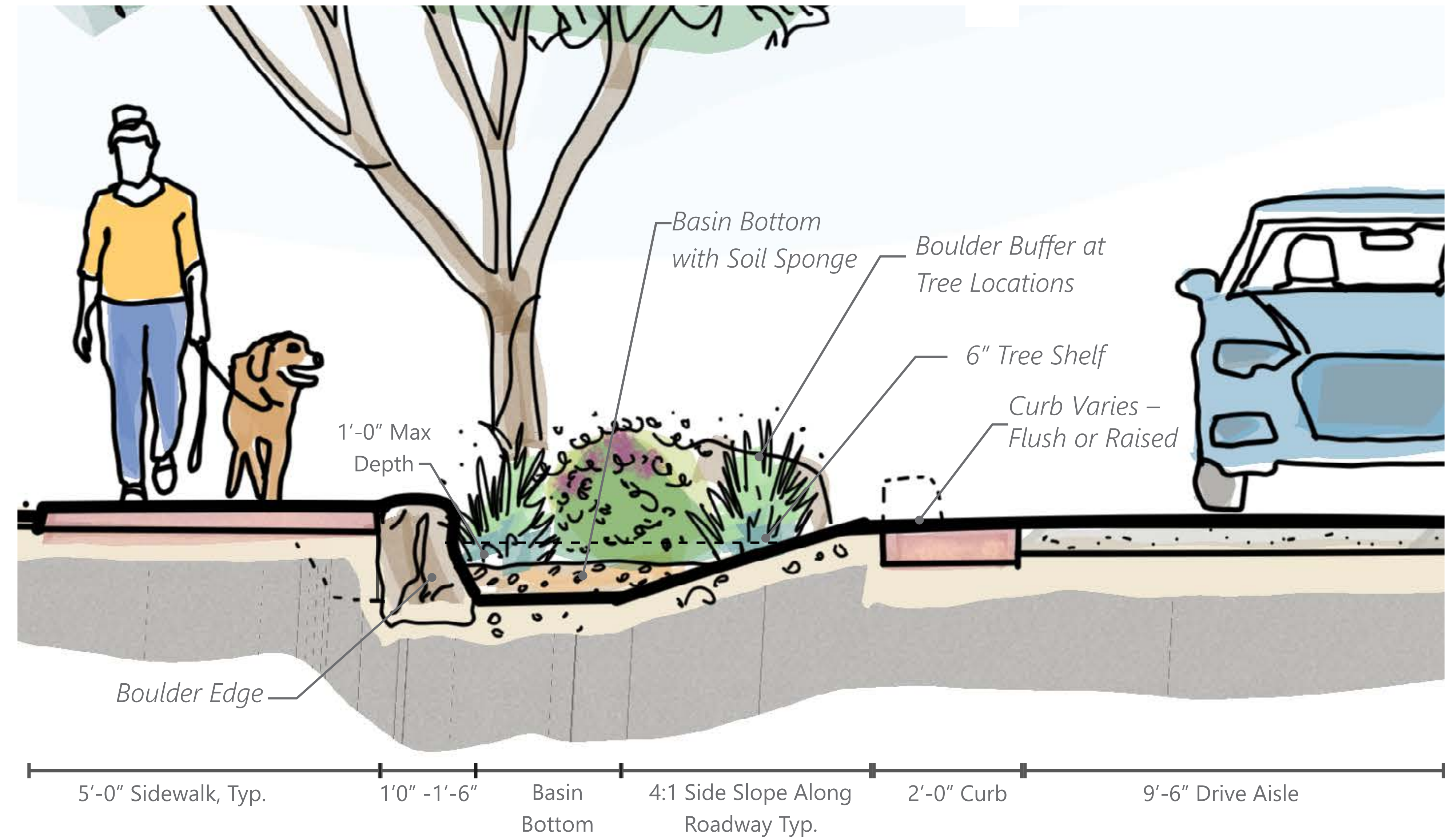
Farm & Table
Albuquerque, NM



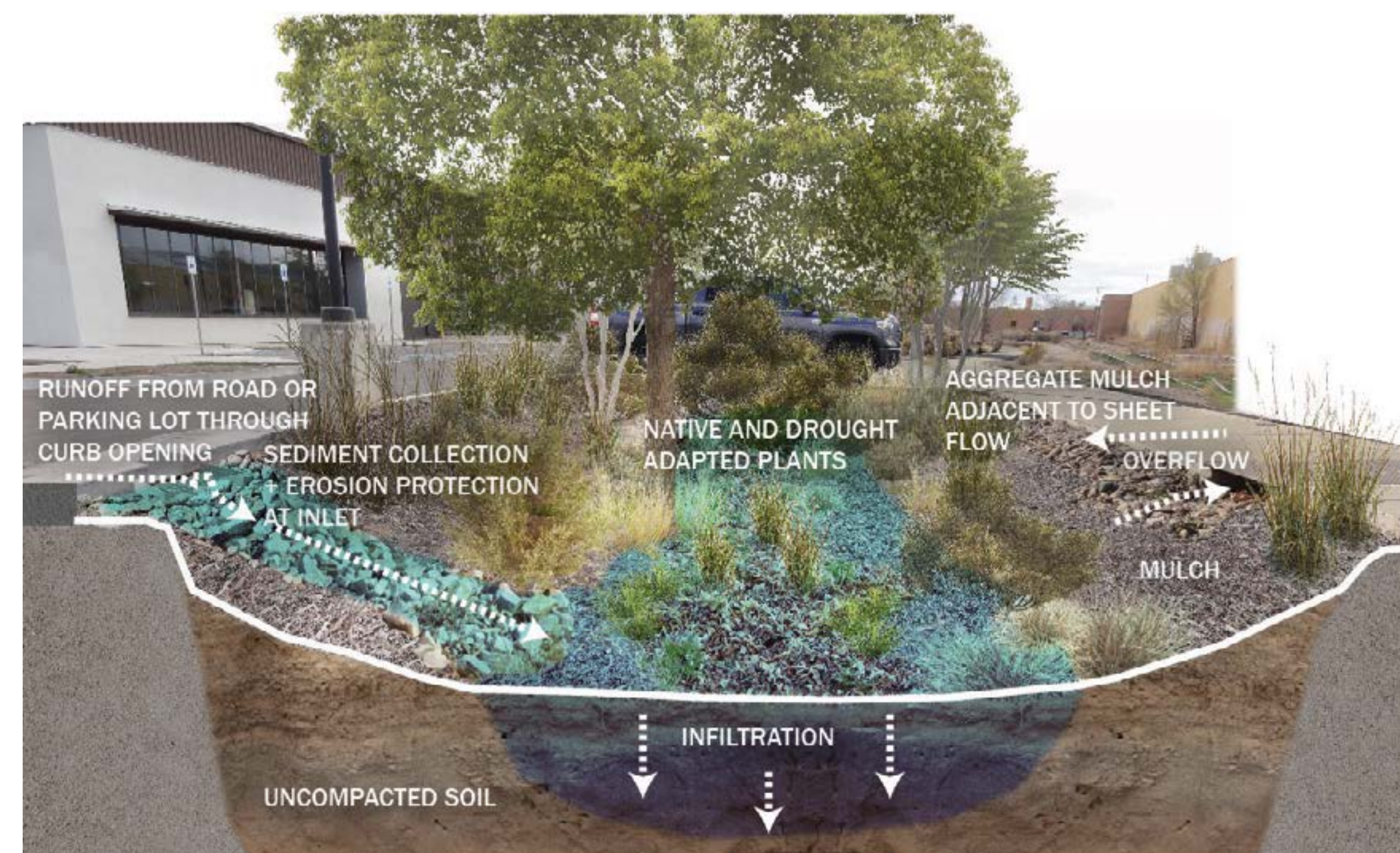
Guardrail

DIAGRAMS

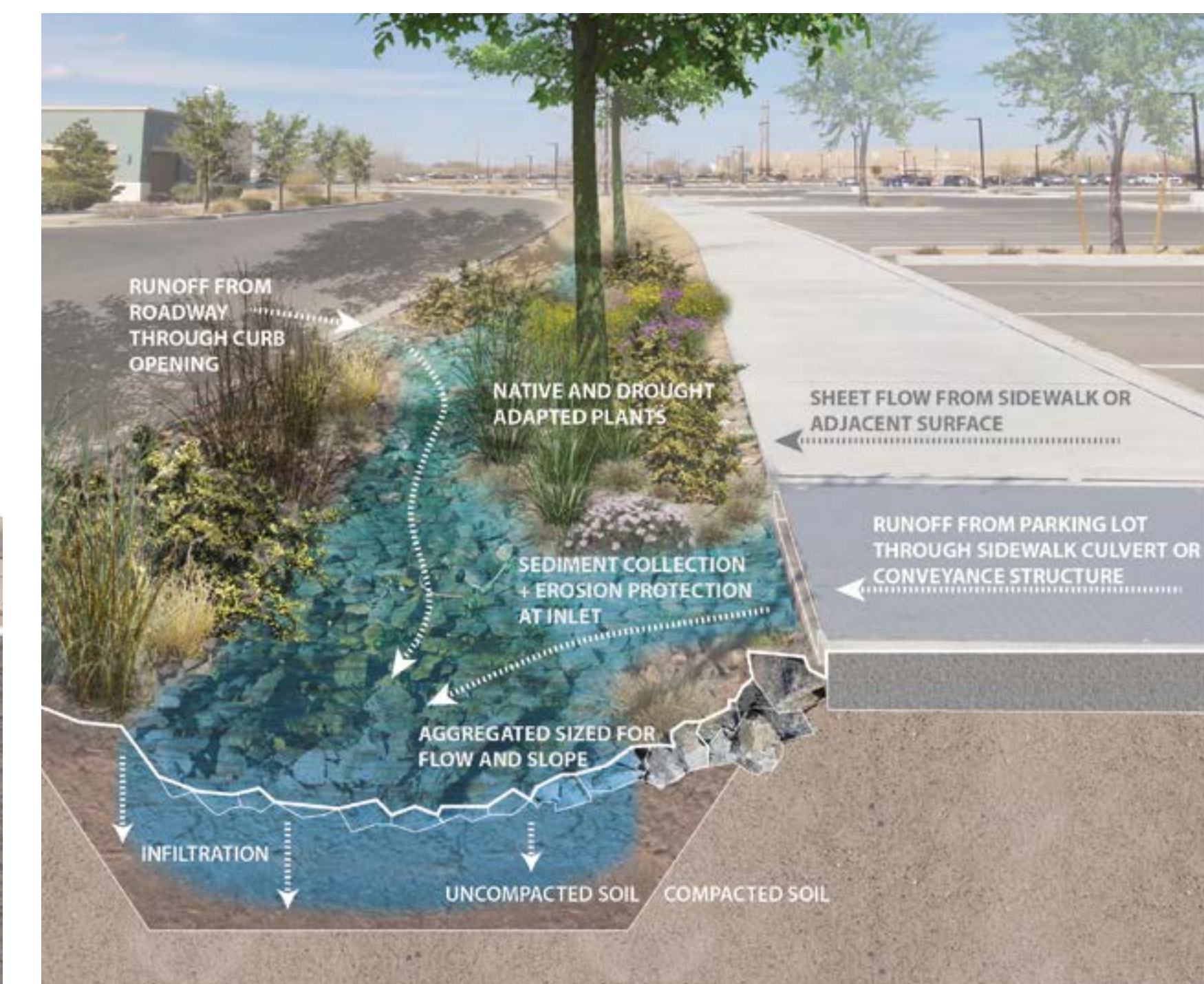
TYPICAL PARKWAY SECTION



PROCESS DIAGRAMS



Water Harvesting Pond



Water Harvesting Swale

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Pond Plant Palette

TREES



Rio Grande Cottonwood
Populus deltoides wislizenii



Bubba Desert Willow
*Chilopsis linearis 'Bubba'**



New Mexico Olive
Forestiera neomexicana

SHRUBS



Four Wing Salt Bush
Antriplex canescens



Apache Plume
Fallugia paradoxa



Golden Current
Ribes aureum



Grow Low Sumac
Rhus aromatica 'Grow Low'



Dwarf Chamisa
Chrysothamnus nauseosus nauseosus

GRASSES



Blonde Ambition Blue Grama
*Bouteloua gracilis 'Blonde Ambition'**



Alkali Sacaton
Sporobolus airoides



Indian Grass
Sorghastrum nutans

DESERT ACCENTS



Tree Cholla
Cylindropuntia imbricata

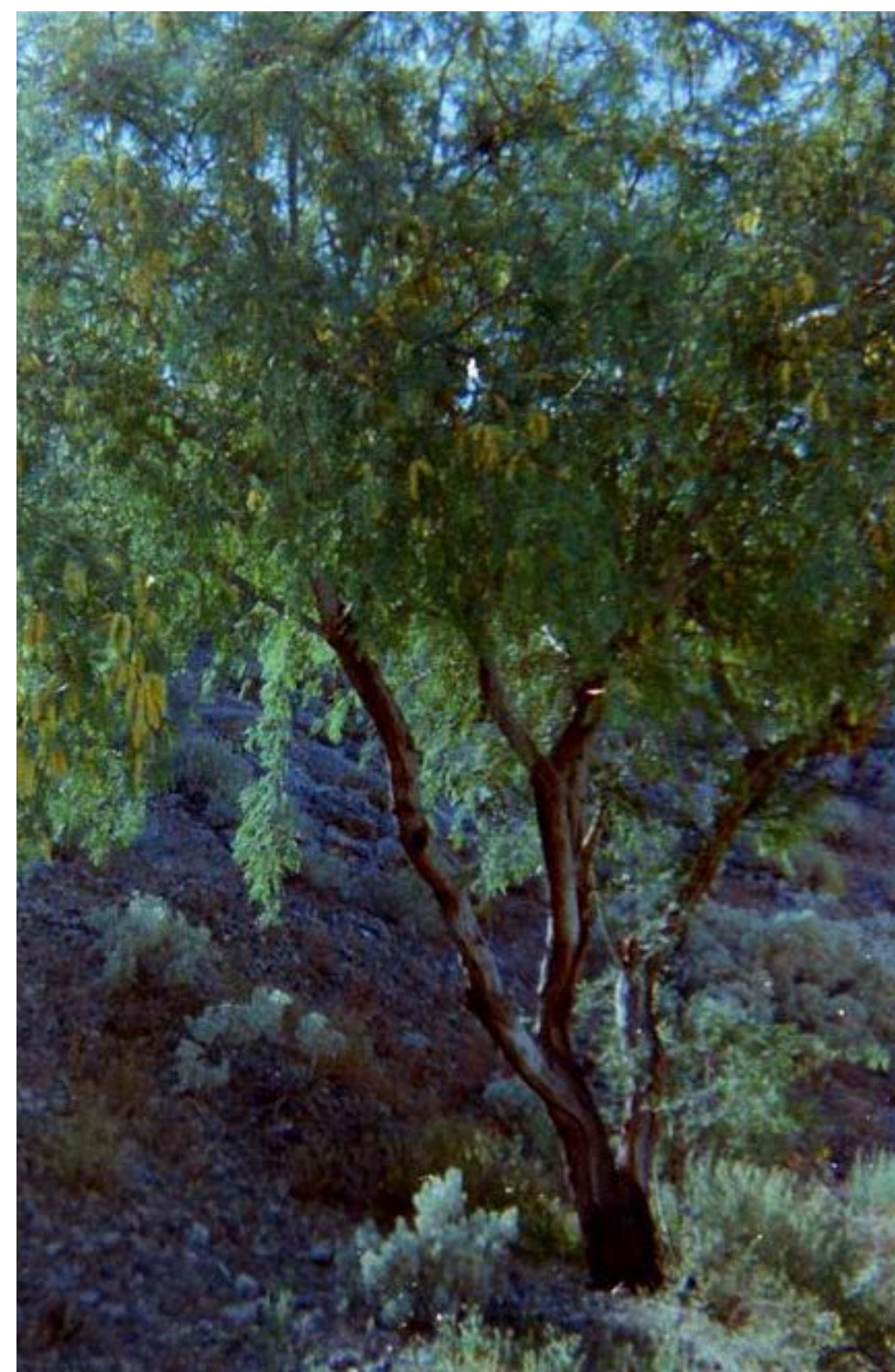


Spineless Prickly Pear
Opuntia ellisiana

SEED MIX



New Mexico Robed Locust
Robinia neomexicana



Screwbean Mesquite
Prosopis pubescens



Desert Globemallow
Sphaeralcea ambigua



Goldenrod
Solidago wrightii



Tansy Aster
Machaeranthera tanacetifolia



Buffalo Gourd
Cucurbita foetidissima



Desert Four O'Clock
Mirabilis multiflora



Mexican Hat Coneflower
Ratibida columnaris

POND PRECEDENTS



Penguin Chill Exhibit at ABQ BioPark Zoo
Albuquerque, NM



Smith Brasher Hall at CNM
Albuquerque, NM

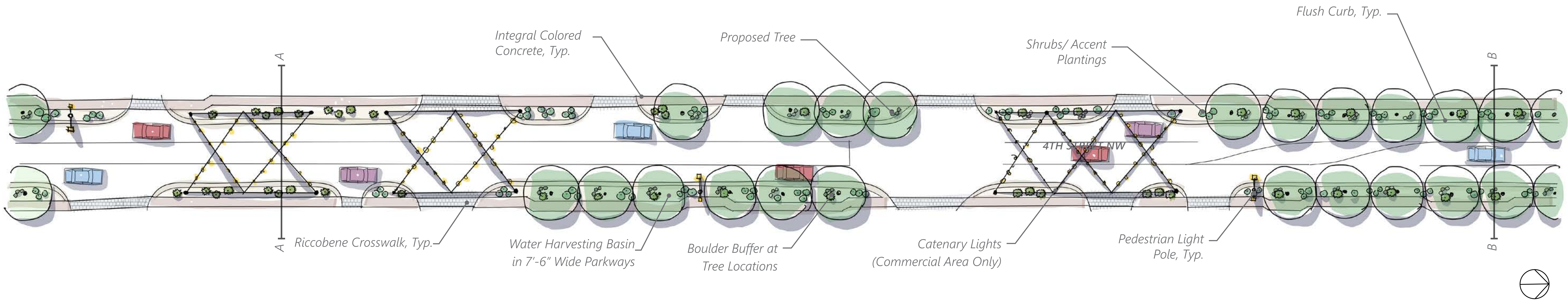


Petroglyph Estates Park
Albuquerque, NM

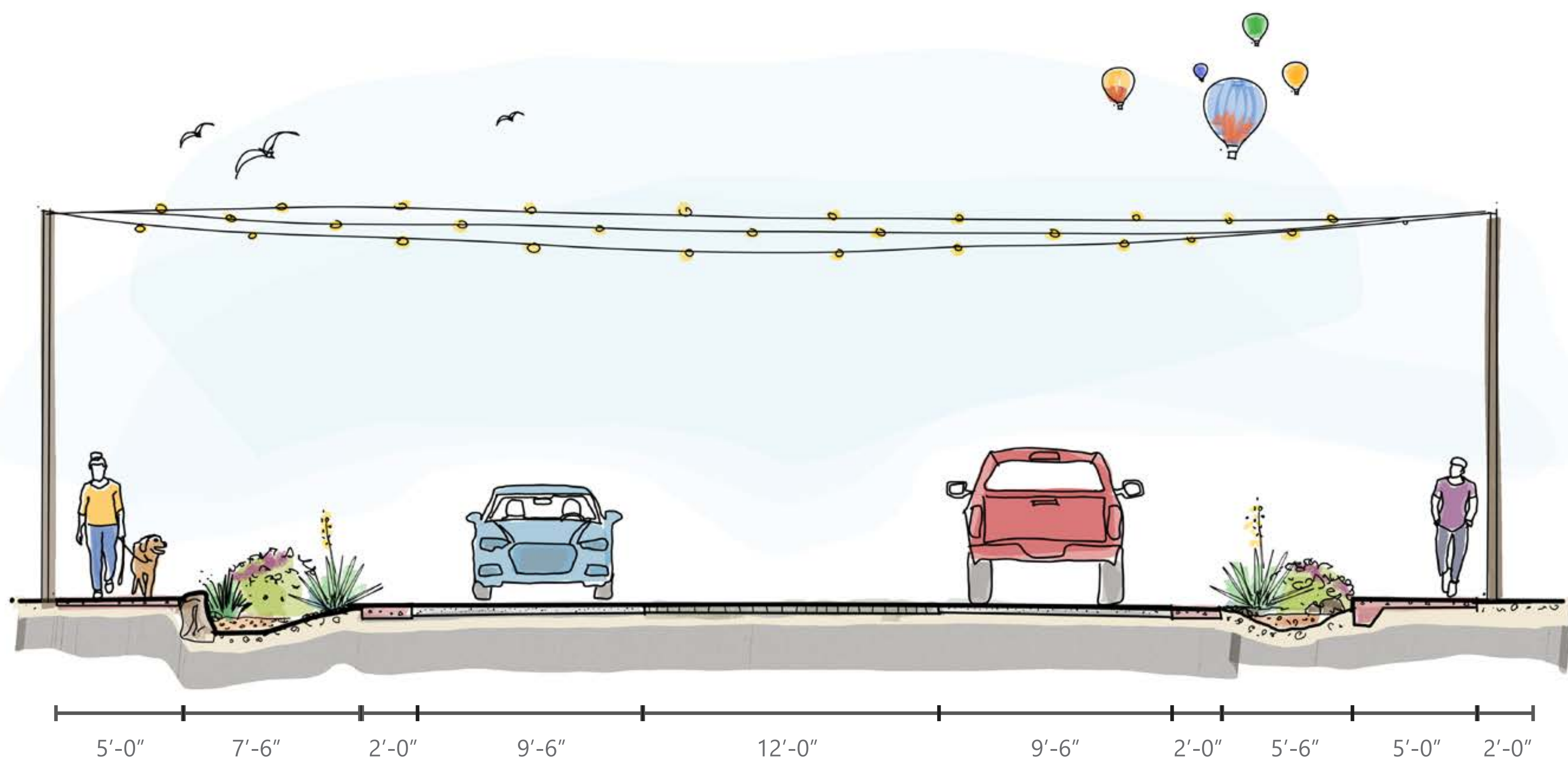
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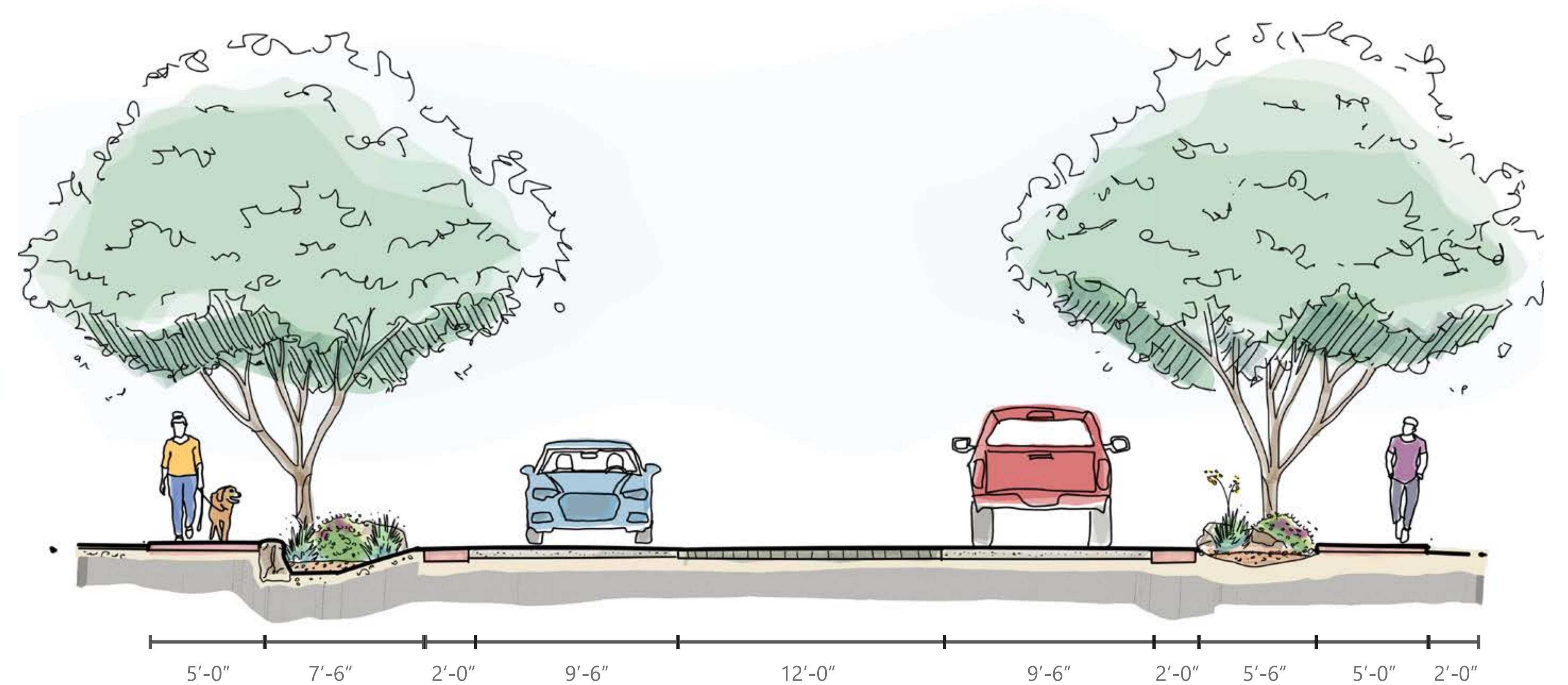
Typical Streetscape Enlargement & Sections



SECTION A



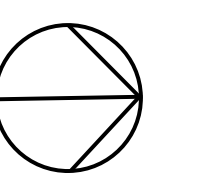
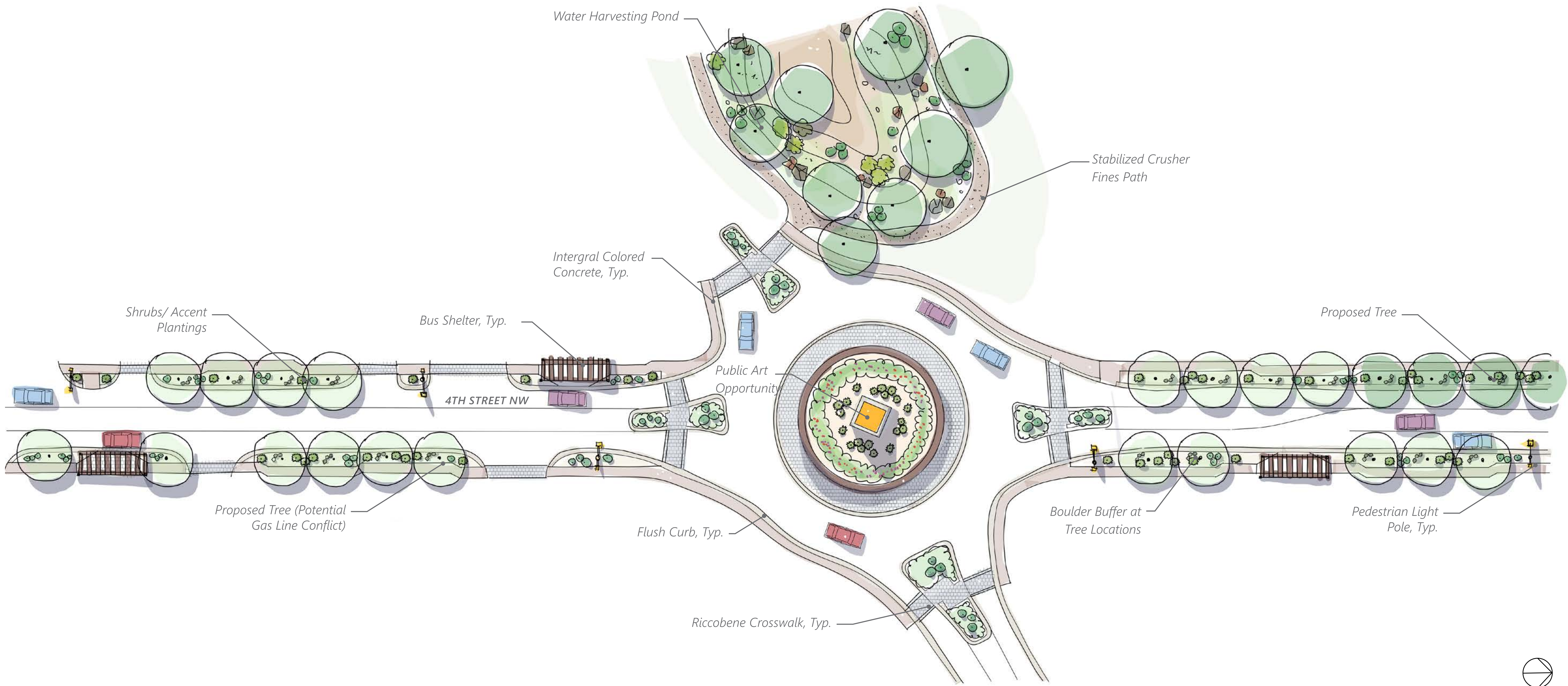
SECTION B



4TH STREET REVITALIZATION – PHASE 2

Typical Sections & Enlargements

ROUNDBABOUT AT EL PUEBLO RD



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QUESTIONS?

THANK YOU!