

Design Activity Update



- Schedule Coordination
 - Feb 20: Cost Estimation Begins
 - Feb 23-March 24: Internal QA/QC on 40% Design
 - March 27: 40% Design Submittal Due
 - April 1-30: 40% Design Approval and Next Steps

Design Activity Update



- Advancing the Design, Develop Deliverables:
 - Build on the Dec 6th site plan
 - Drawing Development
 - Basis of Design (BOD) documentation
 - Specifications (expanded Table of Contents)
 - Planning the cost estimate

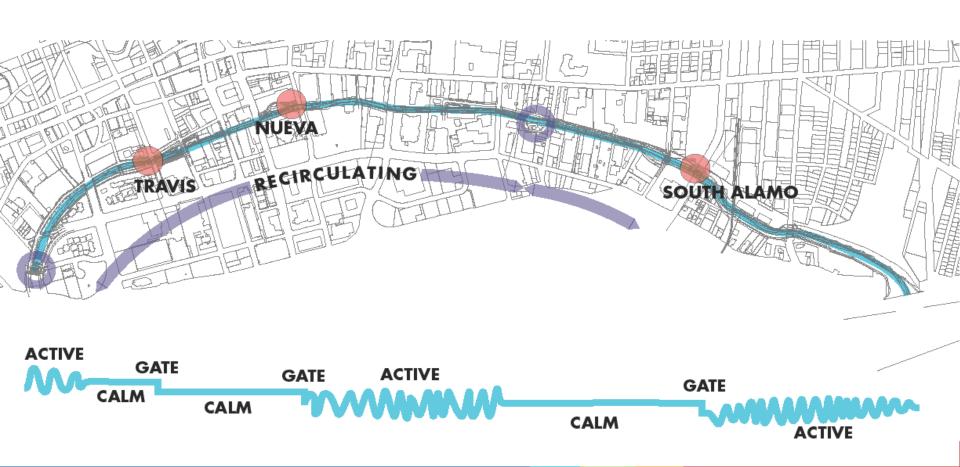
Design Activity Update



Advancing the Design:

- Gate Facility Programming, Preliminary Design.
 - Project team working session (including SARA, COSA and Bexar County) conducted on December 11, 2014

WATER CHARACTER



Purpose of Gate Structures



- To hold back water and create a scenic cascade of stable pools in the reach of San Pedro Creek extending from the tunnel intake structure to South Alamo Street
- To appropriately respond to high flow events by passing excess water downstream without increasing established pre-project flood elevations
- To conserve and control water as appropriate

Gate Aesthetics



- Gates should be low profile
- Gates should provide views and sounds of falling water
- Gate operating and control features should be visually unobtrusive

Recommendation



- Hydraulically Actuated Steel Crest Gates Are Recommended at Each Location
 - State of the art gate systems
 - Used at Brooklyn Ave lock and dam
 - Used at modified gate six
 - Satisfies all SPC design criteria

Steel Crest Gates





Steel Crest Gates





Steel Crest Gate





Major System Components



- Concrete foundation
- Gate leaf and hinge (torque tube) system; side seals
- Hydraulic cylinder
- Waterproof concrete cylinder vault (concealed option)
- Hydraulic pressure unit (HPU); lines & valves
- Control building for HPU and PLC; HVAC, transformer, backup power generator

San Pedro Creek Gate Locations



- Travis Street
- Nueva Street
- South Alamo Street

Travis St. Gate Structure





Travis St. Gate Structure



Looking Downstream



Looking Upstream



Travis St. Gate Structure





Nueva St. Gate Structure





Nueva St. Gate Structure



Looking Downstream

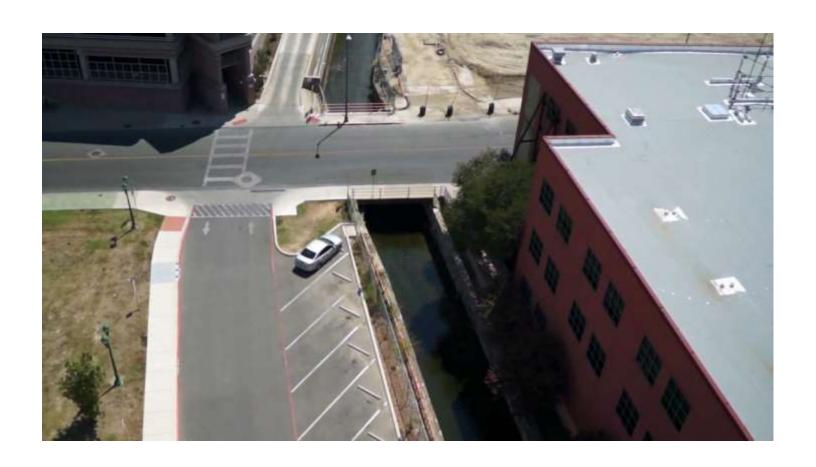


Looking Upstream



Nueva St. Gate Structure





S. Alamo St. Gate Structure





S. Alamo St. Gate Structure



Looking Downstream

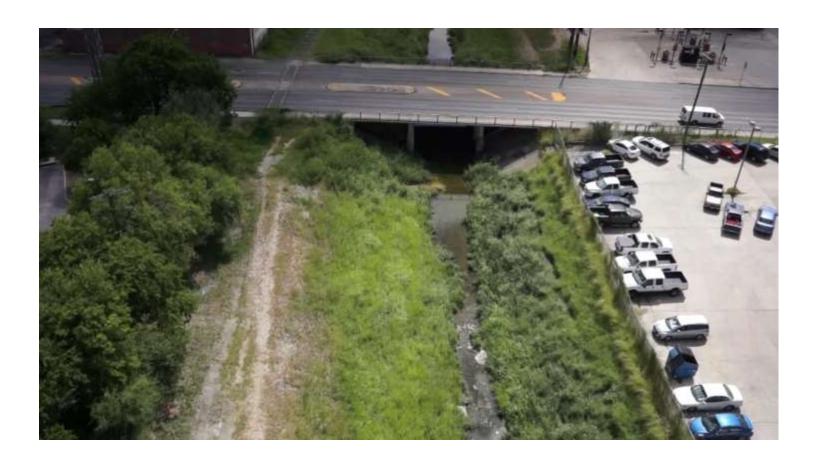






S. Alamo St. Gate Structure



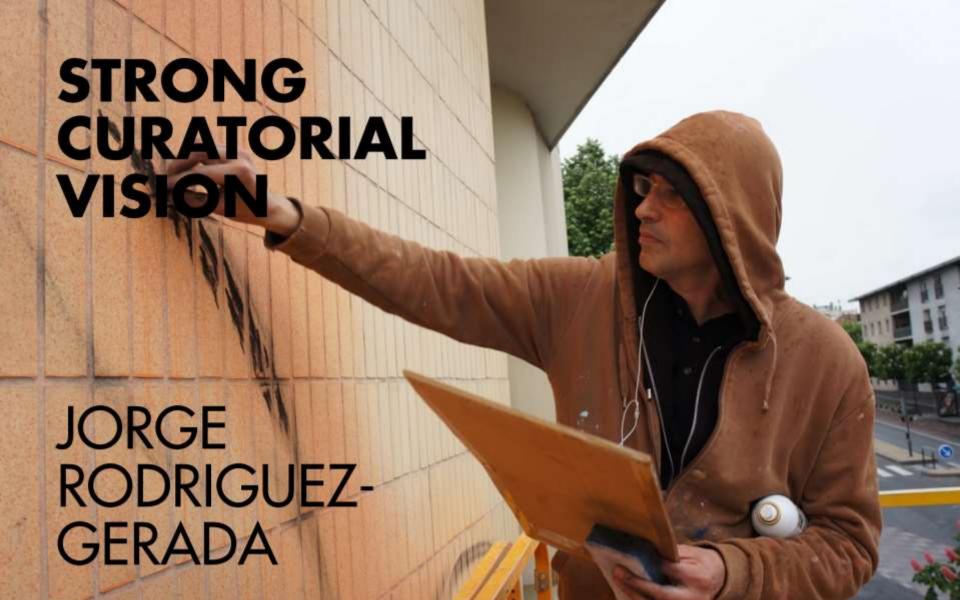


ART PROGRAM

Artist Scope



- Site tour December 22th, 2014
- Conceptualize an overarching artistic vision
- Assist in developing the public art program
- Assist in curating public art and artist selection
- Execute select portion of project public art



Westside Creeks Restoration Oversight Committee Meeting



Signage Work Group

Tuesday, February 10, 2015

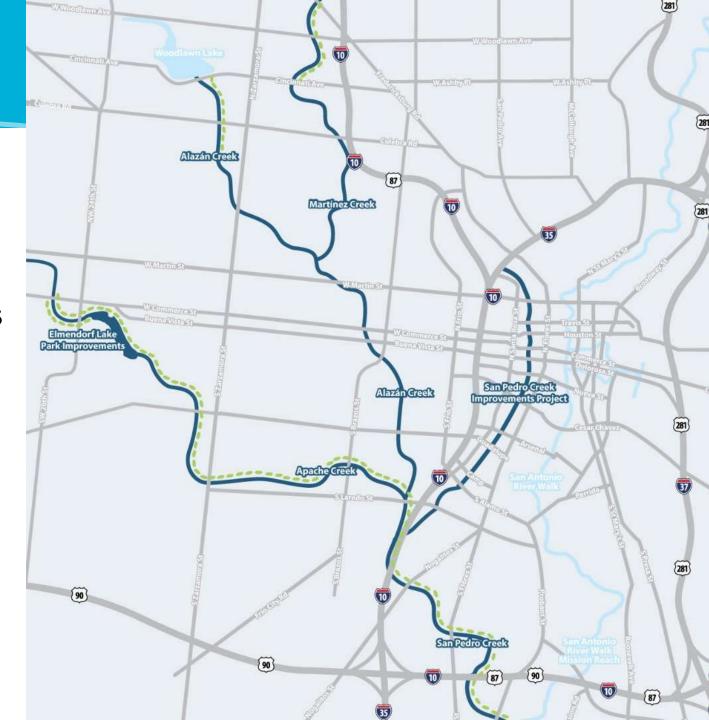
Signage Types & Projects

Projects

- Alazan/Martinez Creekway Trails
- Elmendorf Lake Park
- Apache/San Pedro Creekway Trails
 - North Segment
 - South Segment

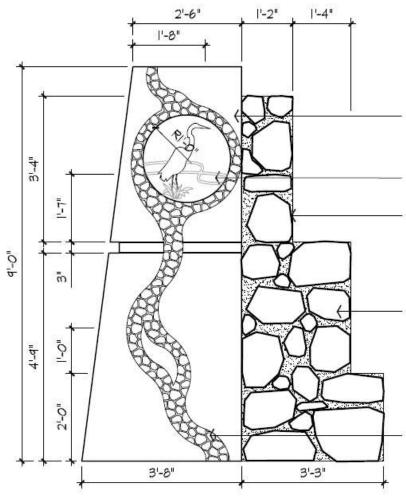
Sign Types

- Monument / Trail Head
- Map
- Wayfinding
- Interpretative



Monument / Trail Head Sign Examples





STUCCO LATH SYSTEM. ATTACH TO CMU BLOCK. COLOR TO BE SELECTED BY PROJECT MANAGER.

PAINTED CERAMIC LOGO TILE (ONE PIECE.). LOGO TILE TO BE SET WITHIN SURROUNDING MOSAIC.

STONE BASE. STONE TO BE SAN SABA, PATTERN TO BE APPROVED. COLOR TO BE SELECTED BY PROJECT MANAGER. SET STONE WITH HIGH STRENGTH MORTAR. TIE STONE TO CMU WALL WITH GALVANIZED MASONRY ANCHORS AT 12" O.C. FILL ALL VOIDS WITH 4,000 PSI CONCRETE.

ACRYLIC CUT LETTERS I" THICK. LANDSCAPE ARCHITECT TO PROVIDE GRAPHIC IN CAD FORMAT. ATTACH TO STONE AND STUCCO WITH A MIN. (3) STAINLESS STEEL RODS PER LETTER. WELD TO WALL WITH HIGH STRENGTH EPOXY.

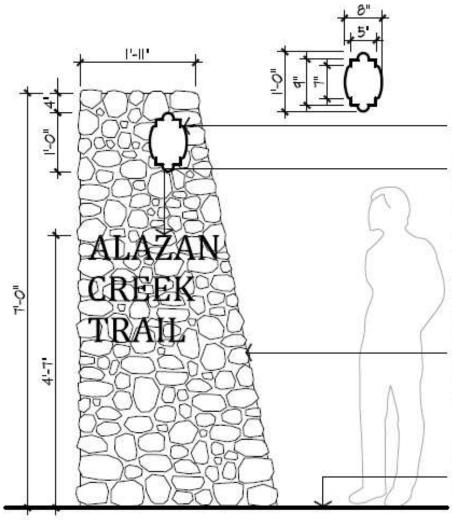
COLORFUL MOSAIC TILE.

ELEVATION: ENTRY MONUMENT

Scale: 1/2" = 1'-0"

Monument / Trail Head Sign Examples





INLAID TILE ACCENT, (I) PER SIDE. SHAPE AND POSITION AS SHOWN. COLOR TO BE SELECTED. TRAIL NAME, 3/8" ALUMINUM PLATE, CUT TO SHAPE AND WITH CUT OUTS AS SHOWN. LANDSCAPE ARCHITECT TO PROVIDE GRAPHIC IN CAD FORMAT. ATTACH TO STONE MONUMENT WITH A MINIMUM OF (4) 9" THREADED RODS PER LETTER. WELD RODS TO BACK OF LETTERS, SET INTO STONE WITH HIGH STRENGTH EPOXY. FACE OF LETTERS TO BE SET I" AWAY FROM THE FACE OF MONUMENT.

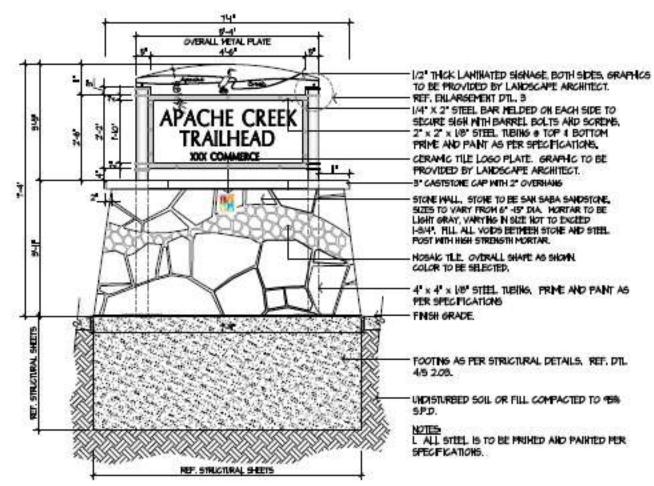
STONE MONUMENT. STONE TO BE ROUND NATIVE LIMESTONE. SIZES VARY FROM 6"-12" LONG BY 4"-8" TALL AND 3"-4" THICK. MORTAR TO BE LIGHT GRAY VARYING IN SIZE NOT TO EXCEED 1-3/4". FILL ALL VOIDS BETWEEN STONE WITH HIGH STRENGTH MORTAR.

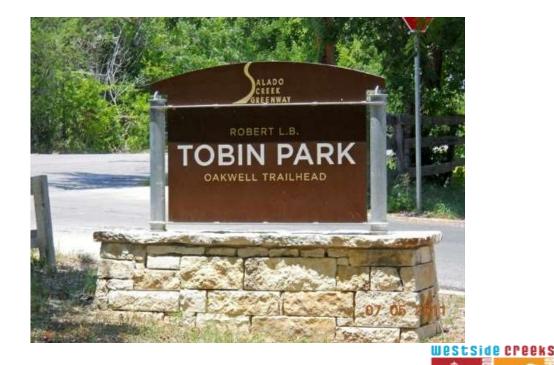
FINISH GRADE.

NOTE:

I. REF. DTLS. 3 AND 4/S 2.03 FOR FOOTING AND STRUCTURE DESIGN OF MONUMENT.

Monument / Trail Head Sign Examples



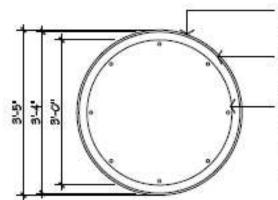


ELEVATION: TRAIL HEAD SIGN FRONT
Scale: 1/2" = 1'-0"

Map Sign Examples







DECORATIVE ALUMINUM TRIM. I'H X I/4"THK, LENGTH AS INDICATED. FINISH AROUND TRIM WITH STUCCO, BANDS ARE TO STICK OUT I/2" BEYOND STUCCO.

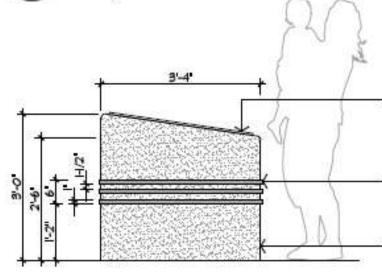
STUCCO WITH PAINTED FINISH, I' THICK. FINISH AROUND CORNERS TO PROVIDE I' RADIUS. COLOR AND SURFACE TEXTURE TO BE SELECTED BY OWNER.

SIGN PANELS, 3'-0' DIA. X 1/2' THK., BY 'IZONE' OR APPROVED EQUAL. LANDSCAPE ARCHITECT WILL PROVIDE THE CONTRACTOR WITH ELECTRONIC GRAPHICS, ATTACH SIGNS TO PEDESTAL WITH THREADED STUD ANCHORS PROVIDED BY THE MANUFACTURER. SET ANCHORS IN EPOXY. PROVIDE (8) ANCHORS, EVENLY SPACED AROUND PERIMETER.

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PLAN: MAP PEDESTAL

Scale: 1/2" = 1'-0"



SIGN PANELS, 3'-O' DIAMETER, BY 'IZONE' OR APPROVED EQUAL. LANDSCAPE ARCHITECT WILL PROVIDE THE CONTRACTOR WITH ELECTRONIC GRAPHICS.

DECORATIVE ALUMINUM TRIM. I'H X
I/4 THK, LENGTH AS INDICATED. FINISH
AROUND TRIM WITH STUCCO, BANDS ARE
TO STICK OUT I/2" BEYOND STUCCO.
STUCCO WITH PAINTED FINISH, I' THICK.
FINISH AROUND CORNERS TO PROVIDE I'
RADIUS. COLOR AND SURFACE TEXTURE
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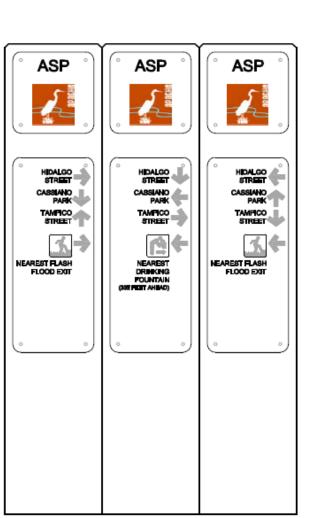


ELEVATION: MAP PEDESTAL

Scale: 1/2" = 1'-0"

Wayfinding Sign Examples











Interpretative Sign Examples







