



DESIGN NARRATIVE

The design developed for Lockwood-Dignowity Park 2022 Bond Improvements includes program elements prioritized through a thorough public input process. Input was gathered by neighborhood residents in attendance at two public input meetings, the first held on February 27, 2024 at the Ella Austin Community Center and the second held on October 15, 2024 at the Empower House at Lockwood-Dignowity Park. There were also two surveys posted to SASpeakUP to confirm desired priorities. The elements that emerged focused on the addition of a interactive water feature as well as shade enhancements to improve park visitors experience during the hotter months of the year. Supplemental site lighting will be added at the interactive water feature, with the incorporation of illumination as well as color and vibrancy.

Demolition

Demolition will include the removal of decomposed granite and existing concrete paving at the center of the central plaza where the interactive water feature will be located. Please refer to the Demolition Plan included in the design development drawing set. Please note that the small stone structure (which has been deemed of local historic value) is to remain in its current state.

Landscape Site Preparation

A limited amount of grading will occur where the interactive water feature is to be incorporated. Excavation will be necessary for the underground water storage vault for the interactive water feature.

Park Improvement Elements

Interactive water feature

The interactive water feature will be located at the central plaza, conveniently between the playground and the dog-park/Harmony House plaza. It is meant to serve as a civic-style interactive fountain with no standing water depth. The size is approximately 30' in diameter and includes in-grade jets which will make it an interesting and interactive experience for children. The water feature will feature an activator button, and will only be operable during pre-set park hours. The interactive water feature is designed in conjunction with Kraftsman to meet City of San Antonio standards, including chlorinated and filtered water by use of an underground storage vault and above-ground pump/treatment equipment.

Experiential Site Lighting

Site lighting is an important aspect of making the park inviting and safe to all users. To expand upon existing park lighting, theatrical style GOBO light fixtures will be incorporated at the interactive water feature to create a colorful and artistic lighting display on the groundplane to complement the interactive water feature jets. The overall shape, height and style of the light standards will be consistent with the other park fixtures. See sheet for more detail. Please refer to the MEP narrative for additional information.



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Shade Enhancements

Shade is an important aspect of making the park comfortable and enjoyable to all users during the warm Texas months. The first priority is to incorporate additional shade in the playground area with the two shade sail structures and additional shade trees. Shade sail structures will be added near the two slide exits for the play structures. Additional shade trees will be planted nearby to the equipment on the perimeter of the lower play zone. An additional shade sail structure is included at the interactive water feature as an add alternate.

Hardscape

The primary hardscape material will be standard broom-finish concrete for all plazas, sidewalks and walkways. The hardscape material for the water feature will be integral color concrete with a sandblasted finish.

Planting

Shade trees will be installed at the playground area to provide additional areas of respite from the sun during the summer months. See planting plan for locations.

Irrigation

The existing irrigation system will be utilized to provide water to the new trees shade trees at the playground area. Irrigation will be tree bubblers / drip, unless otherwise noted.

Mechanical Design Narrative

A. Plumbing Systems:

1. Interactive water feature Utility Provisions

- The intent is to connect a domestic water service for a new interactive water feature system, providing a coordinated effort with the civil engineer and the interactive water feature design consultant. It is currently anticipated that a 2" water metered line with CoSA required backflow protections will be provided within a pump/equipment room for contractor connection to the interactive water feature system single point of connection. Backwash from the interactive water feature pump(s) is anticipated to discharge to grade in a manner that does not cause nuisance. It is anticipated that the interactive water feature design consultant will be responsible for any and all pumping, piping infrastructure, water treatment, accessories associated with the interactive water feature. Plumbing scope is expected to be single point connection for domestic water only.

Electrical Design Narrative

A. Electrical Systems:

1. Interactive water feature Lighting:



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- New experiential lighting located along at the interactive water feature shall consist of the addition of four GOBO light fixtures to an existing pole, as well as four gobo light fixtures on a new pole with a concrete footing.
2. Interactive water feature Utility Provisions - Electrical:
- A single point power supply will be provided to the Water interactive water feature Covered building structure to house the water pumps and any other miscellaneous loads such as general maintenance weatherproof receptacles and lighting in the structure. The single point connection will be per requirements from the Water Feature Consultant that is to design the entire water system and associated pumps to serve the interactive water feature area.
 - A surge protective device will be provided at the single point connection to serve power to the Pump Structure. The device shall be provided in a Nema 4X enclosure.

Applicable Codes

- Life Safety Code, NFPA 101, 2006 edition, and all reference codes.
- International Building Code, 2018 edition, International Code Council, Inc. and COSA

Amendments

- International Plumbing Code, 2018 edition, International Code Council, Inc. and COSA

Amendments

- International Mechanical Code, 2018 edition, International Code Council, Inc. and COSA

Amendments

- Applicable ANSI, ASTM and ASME codes and standards
- Applicable OSHA, EPA and Texas Commission on Environmental Quality (TCEQ) regulations
- Texas Accessibility Standards (TAS), Texas Department of Licensing and Regulations, Architectural Barriers Act, Ch. 469, Government Code.
- Americans with Disabilities Act, Public Law 101-336, enacted July 26, 1990
- IESNA Standards
- NFPA 70, 2017 National Electric Code
- 2018 International Energy Conservation Code with local amendments.

End of Design Narrative