



AR-5 Task Orders with Merrell
Johnson Engineering, Inc. for the
Canyon Park Repair Project and
Booster Station Design for Emerson
and Canyon Park Water System
Project

January 18, 2022 City Council Meeting

Background

- In September 2020, the Bobcat Fire burned more than 115,000 acres in the San Gabriel Mountains
- Due to the damaged caused by the fire, areas within Monrovia including Canyon Park, Hillside Wilderness Preserve and Ridgeside/Oakglade neighborhoods are at a higher risk for mud and debris flow
- On December 14th, Monrovia experienced a significant amount of rainfall that resulted in mud and debris flow directly into Canyon Park

Canyon Park Repair Project

- Initial Estimate is approximately \$10,052,465 as of January 7, 2022.
- Consideration for tonight is a Task Order with Merrell-Johnson for Project and Construction Management in an amount not to exceed \$679,139.40
- As staff finalizes the scope of work, staff will solicit bids in accordance with California Public Contract Code and City's Purchasing Policy
- Main Components of the project include:
 - Roadway and asphalt reconstruction throughout Canyon Park
 - Culvert debris removal, cleaning and repair
 - Tree, boulder, sediment and debris removal
 - Utility infrastructure repairs
 - Replacement of failing chain link fence

Canyon Park Repair Project

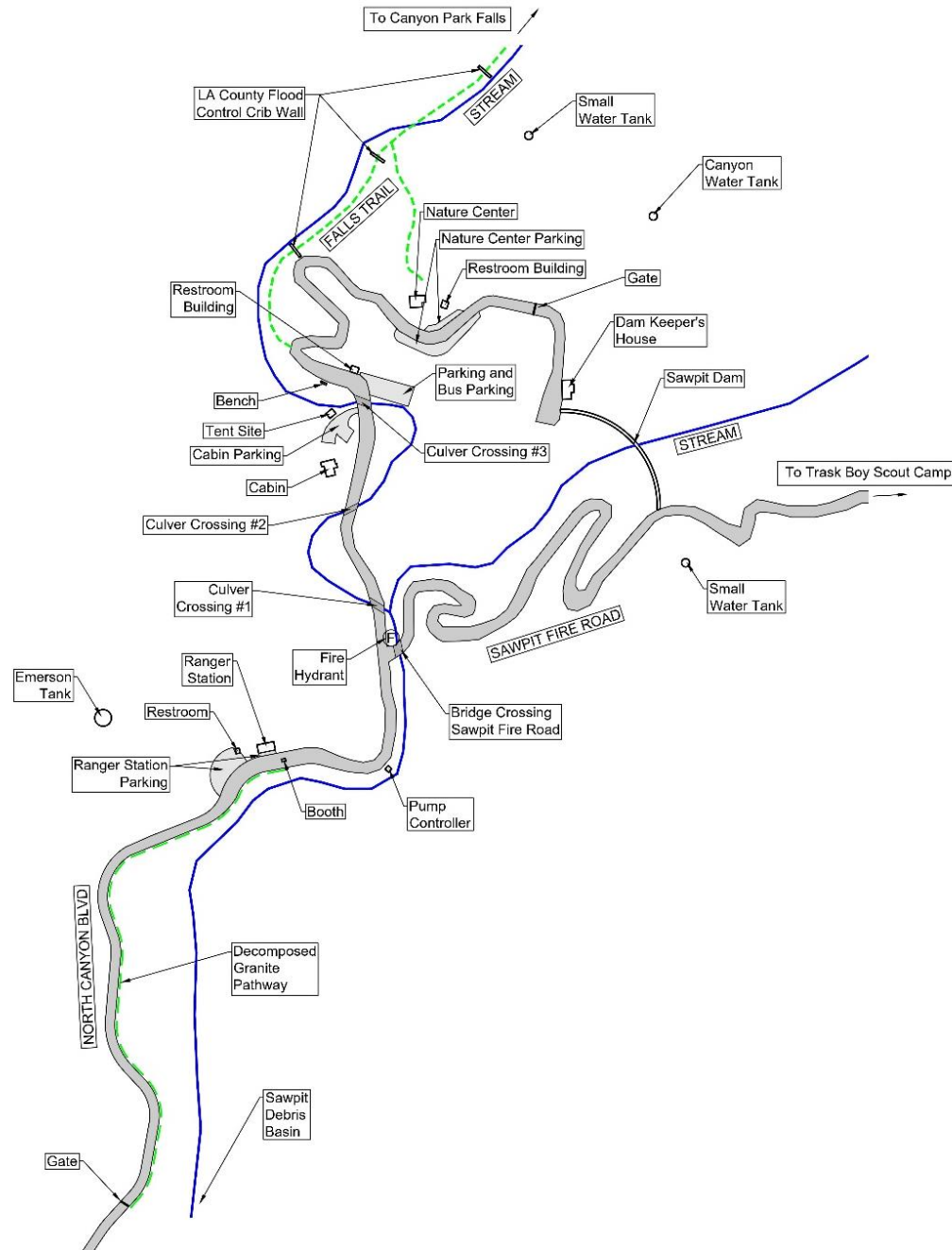
- It is important to note that tonight's consideration does not include Lower Clamshell Trail or any repairs within the Hillside Wilderness Preserve
- Staff has done a preliminary damage assessment and will come back for City Council consideration for that repair project.

Canyon Park Repair Project

- Within the engineer's estimate, staff is proposing several upgrades to Canyon Park.
 - These upgrades include:
 - Upgrade of an existing 2" sewer line to a 4" sewer line
 - Parking Lot repairs
 - Drainage alterations to the road

Booster Station Design for Emerson and Canyon Park Water System Project

- Consideration for tonight is a Task Order for the Design of the Booster Station for Emerson and Canyon Park Water System Project in an amount not to exceed \$64,626.50
- Water utilized in Canyon Park is primarily drawn from two sources, the Emerson Reservoir and Canyon Park Reservoir.
- Currently, staff utilizes a booster pump from the Emerson Reservoir to feed into the Canyon Park Reservoir due to the sharp increase in elevation.
- The proposed new booster station would increase water supply for Canyon Park, reduce maintenance costs and increase fire suppression capacity.



General Needed Repairs

FALLENTREE AND LOG
REMOVAL

BOULDER REMOVAL

OVERBURDEN
REMOVAL

K-RAIL
REINSTALLATION

Location Specific Repairs

CROSSING #1

FIRE HYDRANT AND
WATER LINE

CROSSING #2

ROAD AND
SHOULDERS

CROSSING #3

TRAIL

Other/General Improvements

- ROAD RECONSTRUCTION -> 2" OVERLAY AND 5" FULL RECONSTRUCTION
- NEW CONSTRUCTION OF CUT OFF WALLS
- REMOVAL OF EXISTING LEAKING CANYON WATER TANK AND INSTALLATION OF WATER BOOSTER SYSTEM
- REPLACEMENT OF DECOMPOSED GRANITE PATH

FALLENTREE AND LOG
REMOVAL



BOULDER REMOVAL



Next Steps

- If approved, staff will work with Merrell-Johnson to refine the scope of work, design and finalize specifications for the repair project.
- Prepare bid documents and solicit bids in accordance with California Public Contract Code.
- City Manager's Office and Administrative Services will begin working with Regional, State and Federal agencies for project funding reimbursements.