Flood Project Inspection

Overall Status: Acceptable

5/17/2021

Issues:

- Floodwall has settled approximately 1 ½” at the south east corner
- Small trees and bushes encroaching on floodwall
- Polyurethane sealant in floodwall seams cracking, falling apart and small surface cracks within wall
- Excessive tree growth in discharge channel
- Dog feces and yard clippings being dumped over floodwall by Vineyard Valley Residents
- Blackberry growth returning near well pump

Inspection Summary

On 5/17/2021 Public Works staff inspected the Flood Project in its entirety. The floodwall inspection showed that the floodwall itself has settled by approximately 1 ½” in southeast corner near 17 Los Robles Court, this is consistent with past inspections and there have been no changes. Additionally, the polyurethane sealant within the monolith seams throughout the floodwall is cracking, falling apart, and has surface cracks within the wall. On the creek side of the floodwall behind Los Robles Ct, there appears to be sign of early stages of erosion which is being addressed as part of the Sulphur Creek Erosion Repair, CIP R19-03. Staff noticed that there are some small trees and bushes beginning to encroach on the floodwall. While conducting the walk through, staff did not notice any signs of recent human traffic, however the walking trail appears heavily traveled. Residents of Vineyard Valley Mobile Home Park are again dumping dog feces and brush over the floodwall. The blackberry bushes are beginning to grow again surrounding the area of the well pump. All these items will be looked at in depth when time is allotted, and an action plan will be developed to rectify the issues found. Since the last inspection was conducted on 4/06/2021 Public Works, with the assistance of St Helena Fire staff, have conducted weed abatement along the floodwall, access points and throughout the entirety of the Flood Project. A contractor working on behalf of the City has poured a new concrete pad inside the pump area for the new generator that will be installed.

Recommendations:

- Floodwall has settled approximately 1 ½” at the south east corner that has also caused erosion in the area. The settling of the floodwall initially occurred in 2013 shortly after installation of the floodwall. Staff continues to monitor the settlement and has noticed no change.
- Polyurethane sealant in floodwall seams cracking, falling apart and small surface cracks within wall. Staff is working with the Public Works Engineer to obtain quotes to address this issue within the 2021 construction season.
- Excessive tree growth in discharge channel will be addressed by removing and trimming of trees in the discharge channel, all removals will be basil treated to ensure trees do not grow back. This work will be completed in the spring when access is permitted for such work. This will be done without causing any disturbance that may cause erosion of the discharge channel.

- Dog feces and brush being dumped over the floodwall near 22 Redondo Ct and 17 Los Robles Ct. Staff will reach out to the Management at Vineyard Valley Mobile Home Park and work jointly to mitigate the problem.