Flood Project Inspection

Overall Status: Acceptable

4/06/2021

Issues:
- Unwanted vegetation growth along the levee embankment (blackberry bushes, etc.)
- Floodwall has settled approximately 1 ½” at the south east corner
- Polyurethane sealant in floodwall seams cracking, falling apart and small surface cracks within wall
- Excessive tree growth in discharge channel
- Blackberry growth returning near well pump

Inspection Summary

On 4/06/2021 Public Works staff inspected the Flood Project in its entirety. Upon investigation of the Levee Embankment and the floodwall, staff found there to be excessive unwanted vegetation growth on the river side of the flood wall. 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. While conducting the walk through, staff did not notice any signs of recent human traffic, however the walking trail appears heavily traveled. 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. Staff observed that there are no longer any dog feces or brush clippings being dumped over the floodwall from Vineyard Valley Mobile Home Park.

Recommendations:
- Unwanted vegetation growth along the levee embankment (blackberry bushes, etc.) will be addressed by additional rounds throughout the year. Additionally, crews will utilize the basil treatment on bushes to mitigate any future issues. This work will be completed in the spring when access is permitted for such work.
- 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.

- Staff will be performing the annual mowing and weed abatement of the Flood Project on April 9th which will address the vast majority of the unwanted vegetation growth throughout the Flood Project.