Flood Project Inspection

Overall Status: Minimally Acceptable

12/01/2020

Issues:

- Unwanted vegetation growth along the levee embankment (tree trimmings, blackberry bushes, etc.)
- Dog feces and pumpkins from homeowners dumped over the floodwall
- Floodwall has settled approximately 3” at the south east corner and currently has a fist sized sinkhole
- Polyurethane sealant in floodwall seams cracking, falling apart and small surface cracks within wall
- Sump pump surrounded by blackberry bushes; pump is not accessible
- Signs of human traffic in the habitat restoration area including two people exiting habitat area during inspection
- Excessive tree growth in discharge channel

Inspection Summary

On 12/01/2020 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; some of which made parts of the area inaccessible and making it difficult to access the entire embankment or floodwall. Some of the vegetation that staff encountered was tree trimmings that had been left behind. Staff also noticed that there was a large amount of bagged dog feces and pumpkins that has been being dumped over the floodwall from the mobile home park. The floodwall inspection showed that the floodwall itself has settled by approximately 3” in southeast corner near 17 Los Robles Ct. 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, there appears to sign of early stages of erosion. The sump pump was unable to be properly inspected due to being fully engulfed in overgrown blackberry bushes like the last report. While conducting the walk through, staff noticed signs of a human presence within the habitat restoration area and was able to witness two individuals exiting the restoration area upon arrival. 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 November 1, 2020, staff has successfully removed the dead redwood within the habitat area, removed graffiti from the floodwall, inventoried existing signage, painted and sealed the pump bases, and staged generator for backup power during storm season.

Recommendations:

- Unwanted vegetation growth along the levee embankment (tree trimmings, blackberry bushes, etc.) will be addressed by additional rounds throughout the year and to fix the issue as it is right now will clear bushes and tree trimmings from the levy embankment. Additionally, crews will utilize the basil treatment on bushes to mitigate any future issues.
Dog feces from homeowners still being dumped over the floodwall, along with pumpkins will be addressed by crews posting signs that present the City ordinance on dumping. Coordinate with PD for any abatement or public education assistance they can offer to help mitigate the issue. Public Works Operations Manager will make contact with VVMHP to discuss the issue.

- Floodwall has settled approximately 3” at the south east corner and currently has a fist sized sink hole, staff will continue to monitor. Staff will make contact with the City Engineer to determine the cause of the issue.
- Polyurethane sealant in floodwall seams cracking, falling apart and small surface cracks within wall will be addressed by removing exterior sealant that is no longer effective, clean the area of the crack to ensure while sealing with new sealant the product adheres and seals.
- Sump pump surrounded by blackberry bushes; pump is not accessible will be addressed by removing all black berry bushes and basil treating the stumps to ensure they do not grow back.
- Signs of human traffic in the habitat restoration area including people exiting the habitat area during inspection will be addressed by ordering and posting signage. Staff will contact PD and discuss methods of keeping public out of this area.
- 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 will be done without causing any disturbance that may cause erosion of the discharge channel.