Flood Project Inspection

11/05/2020

Overall Status: Minimally Acceptable

Issues:

- Unwanted vegetation growth along the levee embankment (tree trimmings, blackberry bushes, etc.)
- Dog feces from homeowners still being 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
- Surface rust on pump base plates and pumps
- Minimal areas with graffiti on the exterior levee wall
- Signs of human traffic in the habitat restoration area including someone in habitat area during inspection
- Excessive tree growth in discharge channel

Inspection Summary

On 11/05/2020 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 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. Our inspection revealed that our pumps could benefit from cleanup and repainting to protect against weather and corrosion. 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 an individual entering 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.

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 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 blackberry bushes and basil treating the stumps to ensure they do not grow back.
- Surface rust on pump base plates and pumps will be addressed by sanding, painting, and sealing the pump base plates.
- Minimal areas with graffiti on the exterior levee wall will be addressed by staff painting over the graffiti’d areas of the flood wall.
- Signs of human traffic in the habitat restoration area including someone in habitat area during inspection will be addressed by assessing existing signage, determine if new/more signage is needed. 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.