

## Quaker Hill Community Association Erosion and Engineering Projects

### Completed projects

- 2016            Stairs and walkway installed from QHD to shopping center (between 1275 and 1273 QHD).  
  
                  Installed several drainage swales throughout the community (ongoing project as needed.)
- 2018            Fencing installed along QHD to discourage cut-through's and wear on the lawns.
- 2020            Phase 1 of Grasscrete installed in common area alley in upper QHD, behind townhomes 1220-1224 QHD.  
  
                  Repaired trench drains behind 1237-1249 QHD, removed clogs.
- 2021            French drains installed in common area in lower QHD, behind townhomes.  
                  Phase 2 of Grasscrete installed in lower QHD.

### Ongoing projects

Dartmouth Road/QHD common area erosion/stormwater management

Completed steps:

- Q1, 2021        Interviewed several consultants for recommendations for erosion area between townhomes on QHD and Dartmouth Road. Kimley Horn selected.
- May 2021       Stormwater management/erosion mitigation study commissioned and completed by Kimley Horn. Reviewed at July BoD meeting.

Pending steps:

- Oct/Nov        RFP responses reviewed and contract awarded.
- Late 2021-Q1 2022    Work on Phase 1 recommendations completed PROVIDED costs are in line with initial estimates and guidance from Kimley Horn.

Phase 1 recommendations include:

1. Regrading of area around storm drain inlet at top of hill to maximize water capture.
2. Remove and replace trench drain inlets behind townhomes on QHD. Regrade to depress inlets to increase flow captured and drained.
3. Reroute some of the trench drains on QHD to drain to inlet at southern end of trench.
4. Reinforce area immediately surrounding storm drain with a stone blanket to address erosion. Plant a landscape buffer to improve aesthetics.

Follow-on phases will be defined once the impact of Phase 1 on drainage is assessed.