

Marin County Flood Control & Water Conservation District

Marin City Interim Flood Response Update

October 12, 2021



Flooding at Drake and Donahue

Question raised at Sept 2020 Flood Zone 3 Advisory Board Meeting : Intersection of Drake/Donahue is flooded on sidewalks and streets. *What is feasible in the short term (upcoming winter) to reduce flood risk at this location?*



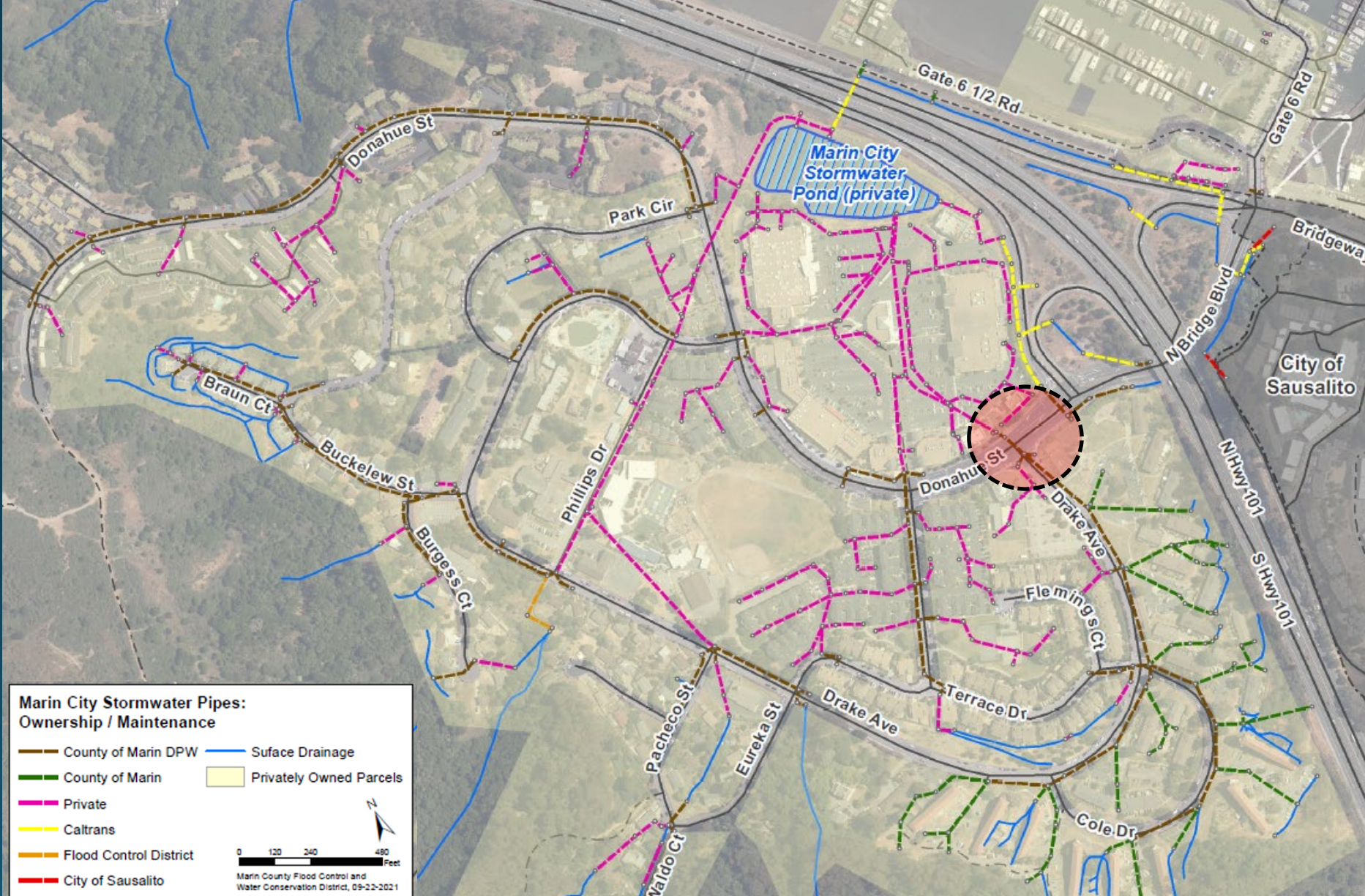
Marin County Flood Control & Water Conservation District
Marin City Highway 101 Off-ramp
(Southbound)
Photo Date: 12/4/14

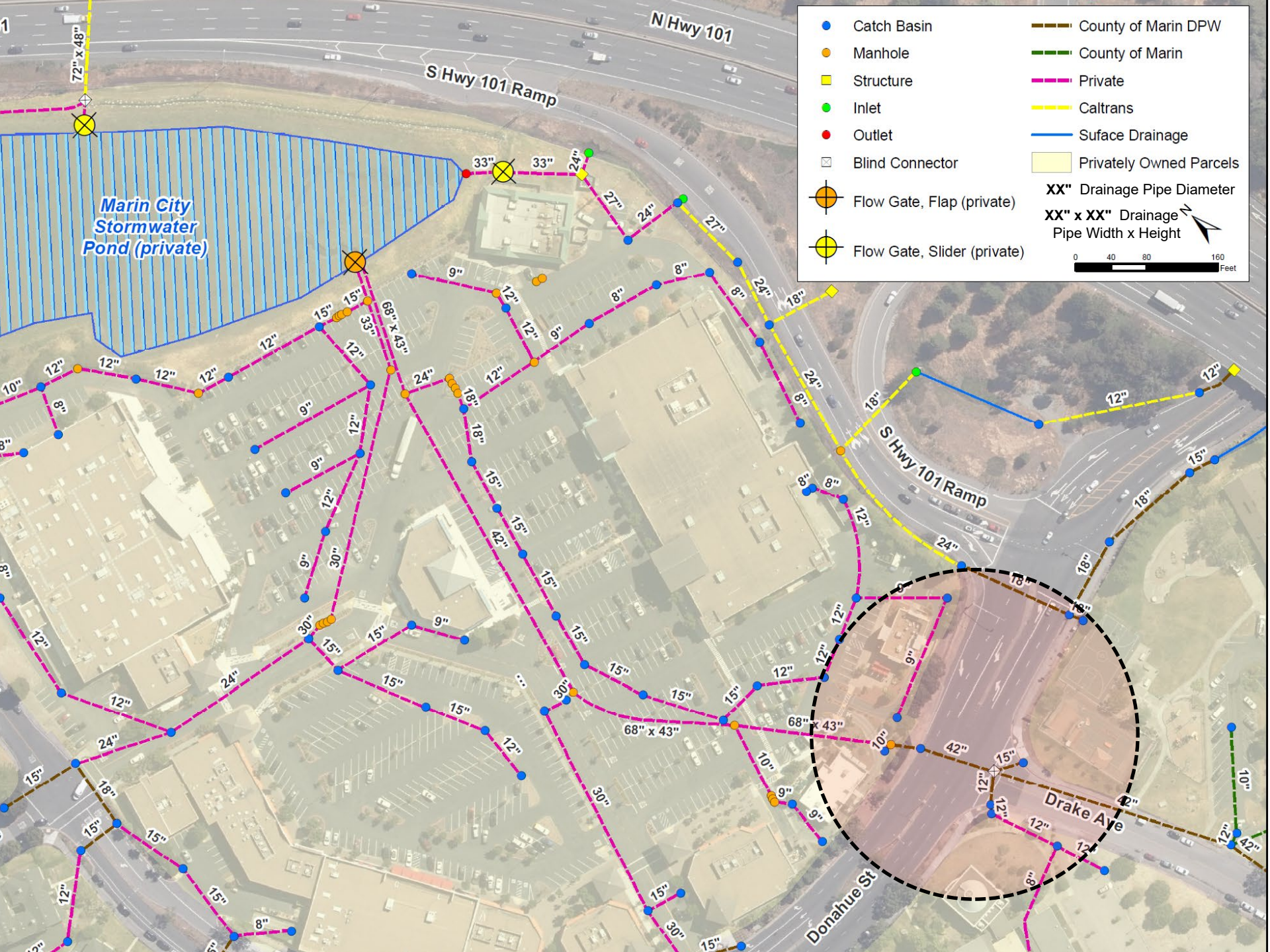


Marin City (Drake & Donahue Intersection)
(June Farmer/People's Plan
photo taken 2/13/19)



Marin City Drainage System





Short Term/Interim Measures Identified:

- ✓ Prioritize storm drainage catch basins in street for enhanced cleaning
- ✓ Select location for a new real-time flood level sensor/gage
- ✓ Transit Coordination & Planning for Future Flood Events

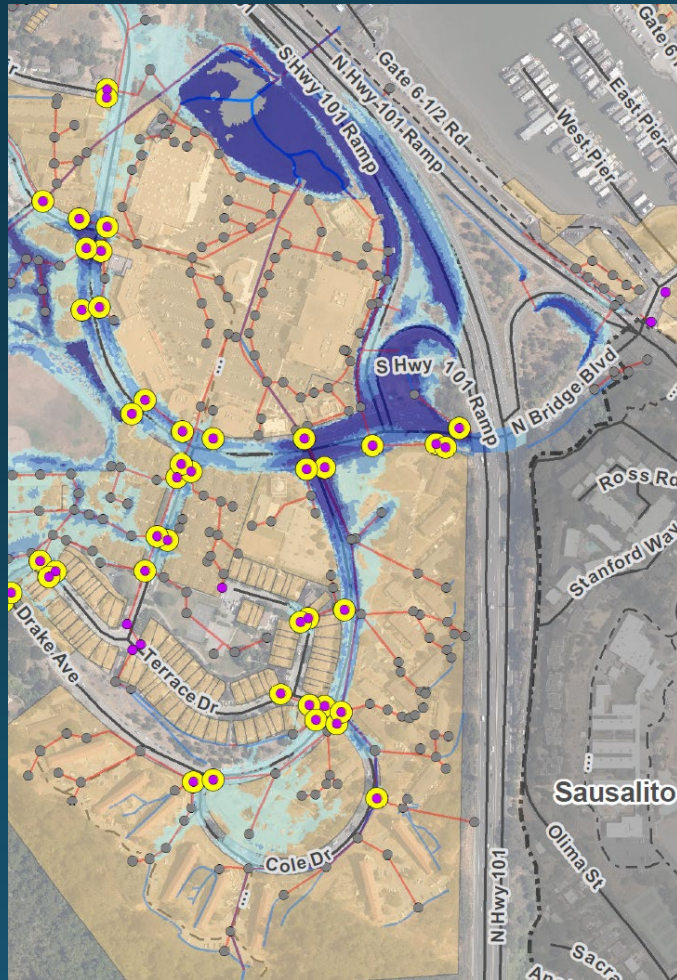
Also considered but not feasible this year:

- *Temporary mobile pumps*
- *Elevate sidewalk (temporarily)*
- *Reroute pedestrians to less flood-prone areas*



Short Term Measures Identified...

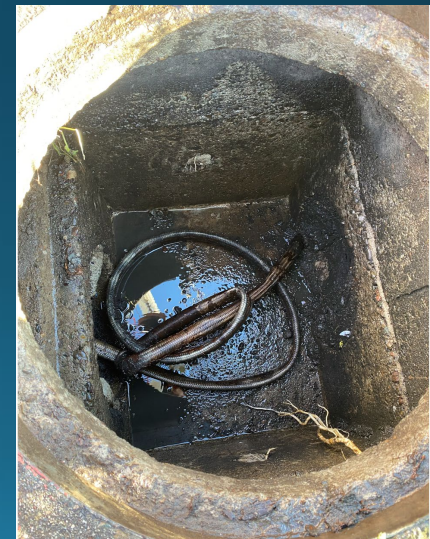
✓ **Prioritize Marin City storm drainage catch basins in public right of way for cleaning**



Before Clearing:



After Clearing:



Add Flood Sensor at Drake/Donahue & Enhanced Transit Coordination

Installation Options:

ECHO with Tension Bar Installation



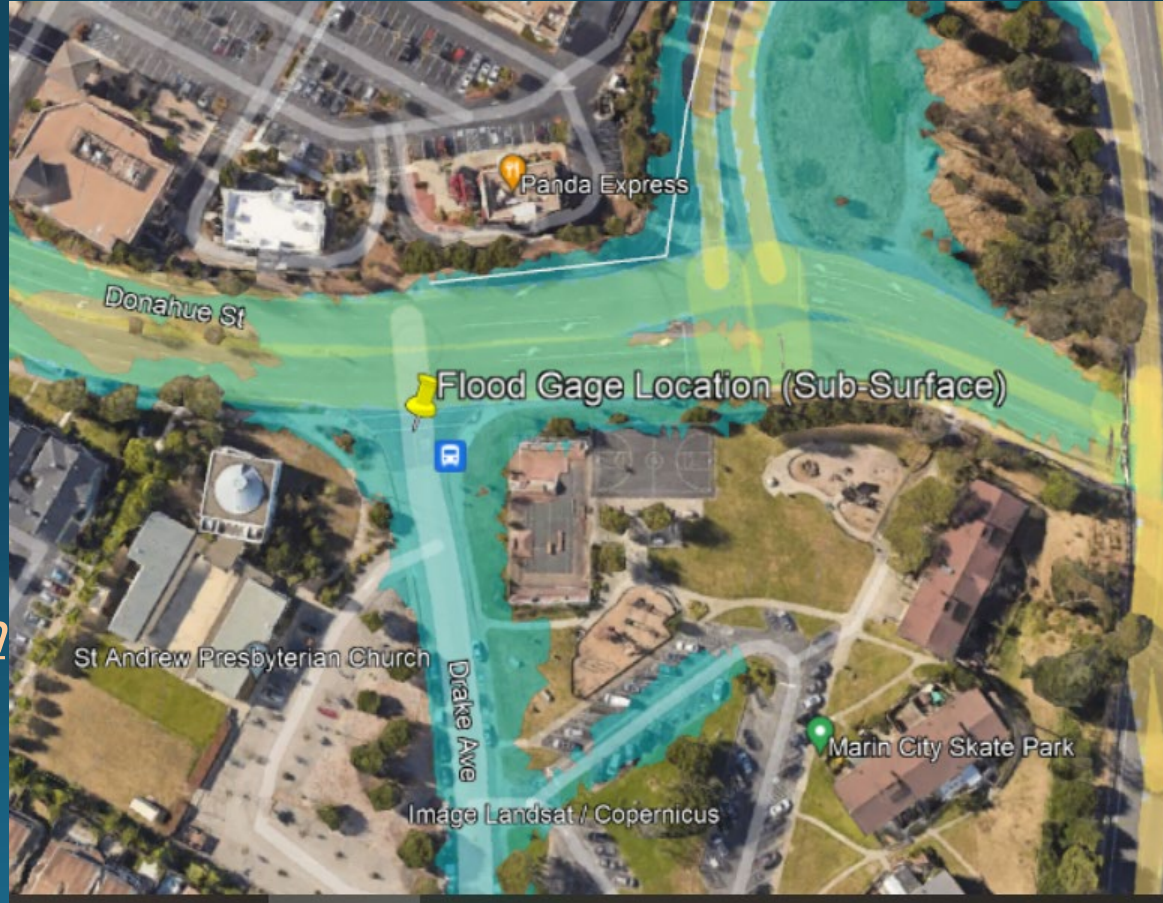
Wall Mount Bracket and Bar



Adjustable Tension Bar



The ADS **ECHO** installs quickly making it easy to move from one location to another.



Existing County-wide weather sensor network:
<https://marin.onerain.com>



Explored Use of Mobile Pumps

Alt 1

Pump down pond into existing drainageways under HWY 101
POND PRIVATELY OWNED

Alt 2

~1,000 LINEAR FEET OF TWO TEMPORARY 12" SURFACE DISCHARGE PIPES
POND DISCHARGE POINT PRIVATELY OWNED, DRAINAGE DITCH IN CALTRANS ROW

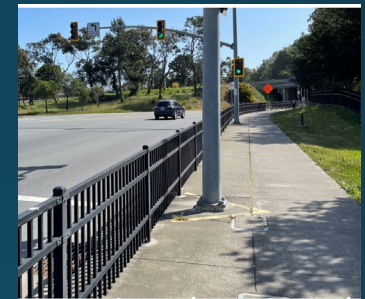
Alt 3

~1,700 LINEAR FEET OF TWO TEMPORARY SURFACE 12" DISCHARGE PIPES
IMPEDES SIDEWALK & BRIDGEWAY ROAD ACCESS

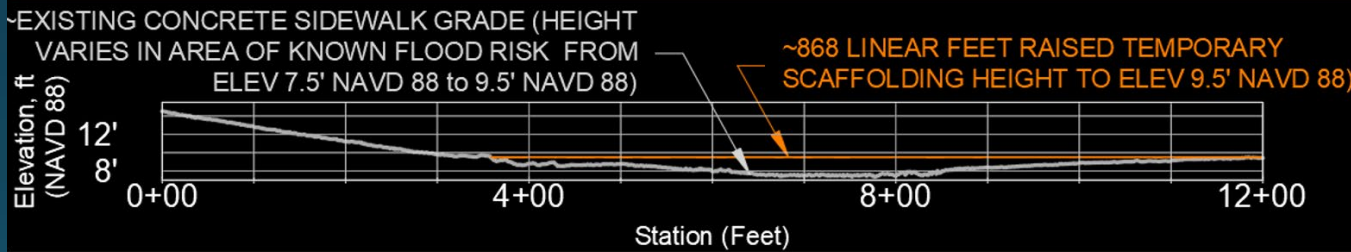


Also Explored Temporary Elevated Walkways

ELEVATED
WALKWAY
CONCEPT
IMPEDES ACCESS
CROSSING
DRAKE



Location along Donahue (looking East towards Highway 101, Photo taken 4/14/2021)



Example elevated walkway concept (from another site)



<http://www.marinwatersheds.org/>

- Flood Preparedness resources
- Track rainfall, creek and tidal elevations in real time

<https://marin.onerain.com/>

Thank You!

- If you see a plugged catch basin or drain:
- Call 415.473.7388 or after hours 415.473.7513
- Floodingquiry@marincounty.org
- Sign up for meetings:
- <https://www.marinwatersheds.org/creeks-watersheds/richardson-bay>
(Click **'Stay Connected with Zone 3'** for future public meeting updates/events)

