

CAPISTRANO BAY DISTRICT
AGENDA REPORT
September 28, 2021

New Business

ITEM 10a

Storm Drain Damage Report

With the exception of Drain 1 in the list below, the District storm drains consist of HDPE drain pipe (High Density PolyEthylene) varying in size from 21" up to 42" diameter, that collect runoff from Beach Road, the RR trackbed, PCH and the Palisades, and convey that water out to the beach.

The summer south swells have taken a toll on our storm drain system this season. A field inspection on September 16th indicates the following problems:

- Drain 17 at 35787 full of beach gravel (dig out material and replace flapgate)
- Drain 14 at 35687 no problems
- Drain 13 at 35655 full of beach gravel (dig out material and add new flapgate)
- Drain 12 at 35595 1/3 full of beach gravel – dig out material (flapgate has survived intact)
- Drain 10 at 35531 completely buried under beach cobble – need to expose in November
- Drain 9 at 35507 a full 20' section broke off and must be replaced including flapgate existing drainpipe full of beach gravel (dig out material)
- Drain 8 at 35431 completely buried under beach cobble – need to expose in November
- Drain 6 at 35361 1/3 full of beach gravel – dig out material (flapgate has survived intact)
- Drain 3 at 35195 a full 20' section broke off and must be replaced including flapgate existing drainpipe full of beach gravel (dig out material) also pipe has been deflected upward from wave action and must be re-positioned
- Drain 2 at 35121 2/3 full of beach gravel – dig out material and rebrace drainpipe
- Drain 1 at 35067 **this is the open-channel concrete drain next to the first vacant lot. Approx. 10 ft of concrete has broken loose from the upthrust of the wave runup during the past two events. A void has appeared beneath the broken concrete section and needs to be filled in. The solution is to break up the concrete section and let the fragments fall into and fill the void then relocate the boulder protection back to the new position*

**work on the drains will get underway during the week of September 27th and will proceed as the tide permits.*

Anticipating the damage from the increase in south swell activity, the Board set aside \$12,000 in the budget for this year, under expense code #7780, to cover the repair costs.