

CAPISTRANO BAY DISTRICT  
AGENDA REPORT  
*March Meeting held on April 2, 2019*

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*Old Business*

## ITEM 9b

### Beach Cleanup

The rains in January brought an unusually large amount of trees, branches, bushes, trash, mattresses, tires, etc. out onto the community beach. The District launched a cleanup effort in late February that can be described as follows:

- five straight days of labor and equipment
- 4-man labor crew
- two bobcat tractors with operators
- eight 40 yard dumpsters completely filled
- 55 tons of debris removed
- cost: \$24,037
- District budget for beach cleanup: \$10,000

The District has a second budget line item that is intended for winter roadway cleanup – this is for cleaning up the mud left behind when the road floods: \$10,000

This has been partially spent so the remainder could go to help cover the beach cleanup expenses but no matter how the numbers are added up, the District is well over-budget for beach cleanup.

The County of Orange and the State, to the north of Beach Road, have both ignored any cleanup on their beaches and the consequence of this is all their debris has slowly made its way down to Capo Bay beach where it is again a public safety concern and should be cleaned up.

Any additional cleanup efforts will have to be authorized by the Board. An assessment of the cost for cleanup of the debris currently on the beach is approximately \$7000. And this is primarily for the large material that requires heavy lifting by mechanized equipment and chainsaws. The District typically leaves the smaller material behind otherwise the expense would be half-again as much.

### Obstructed Storm Drain at 35595

Over the years, this particular storm drain has flowed well during heavy rain periods. However, with this past few years of limited winter rainfall, this drain has become clogged with a mass of beach sand, gravel and small beach rocks, at a point about 22 feet up into the pipe from the beach end. In a typical wet winter, there is enough rainfall to wash out our drain pipes and leave them relatively clean for the next season. It is believed that due to past drought

conditions, the normal debris that gets washed into the pipes from wave runup, was never washed out and as a result, was left to dry out and become hardened, similar to soft concrete.

The only method of breaking up this mass of material is to batter it with a long chisel-type tool plus the use of hydro jetting. Between the two methods, we have been able to loosen up much of the debris and extract it out of the pipe. This is a slow process and can only be done during our lower monthly high tides (quarter moon phases) where we can get out there and work all day without being washed off the beach at high tide.



In the photo above you can see the rock debris in the bottom of the pipe plus there is a large mass of concrete in the top half that is thought to be the cause of all the debris getting trapped in the pipe. It is not known how the concrete made its way into the pipe but it is suspected that during patio construction above it may have leaked in through an opening somehow when footings were being poured.

Over the next 30 days it is expected that the rocky material can be loosened and removed to restore the pipe to its normal function. However, the mass of concrete in the top half of the pipe is going to be more of a challenge as it is rock solid and will not break up. To actually remove this obstruction, the pipe would have to be excavated and the patio and deck above would have to be removed and rebuilt.

*(go to next page for Sidewalk Repair at Entrance)*

### Sidewalk Repair at Community Entrance

The concrete sidewalk that runs along the exit driveway at the community entrance is slightly settling in several locations. The worst section is directly over the trench that was dug to run a gas line over to the guard shack. This section has sunk almost 2" and obviously was not adequately compacted before the sidewalk was poured. Another area has settled where vehicles tend to stop and park while the driver runs over to talk to the gate officer.

A repair has not been scheduled but is expected soon. The challenge with any concrete sidewalk or driveway is in matching the surface texture and coloration. This particular sidewalk is tinted a buff color with a heavy acid etched surface. We have the formula and spec for the color additive and the 'Topcast' acid etching level so the match should be close.