

CAPISTRANO BAY DISTRICT
AGENDA REPORT
March 25, 2014

Manager's Reports

ITEM J.3

REPORT OF STORM DRAIN DAMAGE/REPAIRS at DRAINS #3 and #9

During the last rain storm several weeks ago, the tide scoured a lot of sand along the beach. Two areas were exposed/damaged significantly and will require repairs:

35195/Drain #3

The storm and tide action cut the beach back about 20 feet in this area and exposed a long-buried joint in the storm drain pipe. The newly-exposed area was a joint between new plastic pipe (installed in the early 90's) and old rusted metal pipe (probably from the late 50's). Older District records indicate that Brongo Construction was hired in the early 90's to replace missing or damaged storm drain pipe sections out on the beach. Apparently, the contractor installed new plastic pipe on the beach and made connections further back to whatever drain pipe was existing at the time in those locations. In the case of this drain, there was a poorly constructed joint between new plastic and old metal pipe.

The joint disintegrated and the two pipe sections became detached. The rusted metal pipe remained in position as it was well covered in sand but the newer plastic pipe was deflected and bent to the side. Fortunately, the pipe was pinned in place in its general location and was restrained from washing away due to the vertical pipe braces that were installed last summer.

The repair work will involve exposing the existing metal pipe back about 10-15 feet and re-attaching the surviving plastic pipe section in a properly constructed concrete collar joint, then relocating the two vertical pipe braces back at the new location of the pipe outfall.

35507/drain #9

This drain became exposed this month for the first time in about seven years due to the extensive beach scour by the storm a few weeks ago. It is now necessary to place two vertical pipe braces at the exposed outfall end of this pipe – there was no actual damage at this location, instead, the existing pipe was finally exposed enough to enable the contractor to install bracing.

Repair Schedule and Cost

The District has contracted with Kuno's Grading (same contractor who installed the pipe bracing last summer) – the work is scheduled for the week of the March 24th at a cost of \$4000 total for both drains, expensed from budget item #4705 (Winter Flood Cleanup).