

CALIFORNIA COASTAL COMMISSION

South Coast Area Office
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W13e

**5-22-0667 (Sunset Beach Sanitary District)
November 16, 2022**

CORRESPONDENCE

FW: Public Comment on November 2022 Agenda Item Wednesday 13e - Application No. 5-22-0667 (Sunset Beach Sanitary District, Huntington Beach)

SouthCoast@Coastal <SouthCoast@coastal.ca.gov>

Tue 11/8/2022 3:47 PM

To: Vaughn, Meg@Coastal <Meg.Vaughn@coastal.ca.gov>

Cc: Hillard, Simone@Coastal <simone.hillard@coastal.ca.gov>

From: Tauscher, Peter <PTauscher@newportbeachca.gov>

Sent: Tuesday, November 8, 2022 3:37 PM

To: SouthCoast@Coastal <SouthCoast@coastal.ca.gov>

Subject: Public Comment on November 2022 Agenda Item Wednesday 13e - Application No. 5-22-0667 (Sunset Beach Sanitary District, Huntington Beach)

Madam Chair and Commissioners:

In principal, I support this project as resident but do not feel the design and staging plan will be affective. After quickly reviewing the report and plans here are a few of my comments:

- Plans show the pipe will be located at depths 14 to 16 feet below grade. Although, as stated groundwater is six to nine seven feet below grade it may be tidal influenced and need further evaluation. Although, there is no Geotech report it is most likely non-cohesive material (sand). It will be extremely difficult, even with pumping, to effectively maintain the trench of three to four feet wide. Shoring will be needed starting at 4-feet below grade
 - Before permitting – shoring should be evaluated, road vibration may liquefy soil too.
 - Other utilities (SCE) between 4th and 5th Street should be evaluated; they are very close to the Manhole #5 at 21+85.94 and Phase 5 work. The manhole and aliment may need to be modified.
- Proposed dewatering discharge shows discharging into storm drain system. I believe this system is maintained by Caltrans. During high tide events the system is plugged so bay water does not flood low lying areas /Pacific Coast Highway. If the contractor is dewatering during hightide event water will not have anyplace to go resulting in local flooding. A Caltrans permit may be required for this work.
- Phasing – The phasing plan appears like it will work but Phases 3 and 4 will significantly reduce the parking capacity is this parking lot. Maybe a better staging area would be to coordinate with Bolsa Chica State Beach to use some of the parking lot east of the project or the cul-de-sac along S. Pacific Ave. SBSB should work with City and Caltrans to suspend parking enforcement in areas that affected by phased work.

Thank you for your time and consideration.

Sincerely,

Peter Tauscher, P.E.

5th Street

Sunset Beach, 90742

562.533.7846

Broadway Pump Station Bypass Sewer

jeantom714@gmail.com <jeantom714@gmail.com>

Tue 11/8/2022 6:32 PM

To: PTauscher@newportbeachca.gov <PTauscher@newportbeachca.gov>

Hello Peter Tauscher and thank you for your interest in this important project. This project is the installation of a 15-inch diameter underground gravity sewer pipe, that, when completed, will allow the Sunset Beach Sanitary District to abandon the under-the-street sewage pumping station at Broadway and North Pacific Avenue. That pump station, again under the street, has been in operation since 1935. The pump station receives sewage from 3 incoming sewer lines and pumps that sewage into a pressure pipe that delivers the sewage to Warner Avenue at PCH. That pressure pipe was built in 1983.

As you can guess by the age of these facilities, they are at the end of their useful life. The District has a choice on how to replace them. The first option would be to build a new sewage pump station and a new force main. Under today's design standards and our location, electrical motors and electrical gear should be above ground for safety. By safety, I mean that at high tides and storm surge, streets in Sunset Beach flood and if the underground station flooded, it would stop pumping and sewage would spill. Thus under this option, we would be required to build an above ground building to house the electrical motors and other electrical gear. In addition, we would have to build a new pressure pipe to Warner Avenue.

Option 2 is the construction of the 15-inch gravity sewer. The three sewers that deliver sewage to the pump station would be connected underground to the new gravity sewer pipe. The underground pump station will be removed and re-paved over. The old vent pipe and stainless steel electrical boxes on the northeast corner of Broadway and North Pacific will be removed and new sidewalk installed.

One of the greatest things about the new gravity sewer option is that it costs much less to build than rebuilding the pump station and force main. As a bonus, it provides a tremendous yearly savings by eliminating the electrical power charges that the electrical pump motors use and the constant cost of maintaining a 1935 underground pump station.

Sewage pump stations, no matter how well they are maintained, are subject to malfunction. When that happens, sewage spills out on the ground which brings a new set of trouble. Getting rid of that pump station makes our sewage collection system much, much safer.

You can see why the District chose Option 2, construction of a gravity sewer. It's the lowest cost alternative, reduces annual costs, and is the safest alternative.

Now I'll answer your concerns.

First, we have a very detailed Geotech report and a complete groundwater quality analysis. You accurately described the soil conditions. The trench will be shored to prevent the caving you described; the type of shoring will be determined by the contractor and designed by a registered engineer and checked by us. We will protect all the utilities with proper supports.

Next, your concerns about the dewatering are also addressed. We are getting a permit from Caltrans to use the storm drains along PCH and are aware that they are blocked at high tides/storm surges. We have the option to discharge groundwater to backfilled portions of our trench; or if we must, stop dewatering (and excavating).

Lastly, the construction will take place between Labor Day, 2023 and be complete by Memorial Day, 2024. It will start at PCH and Warner Avenue the day after Labor Day when the need for beach parking is greatly reduced. Before construction begins we will provide added public information. Construction is always a burden, but when completed, you will enjoy a much safer sewer system.

I believe you will be very pleased that these improvements are being made.

Thomas Dawes, District Engineer
Sunset Beach Sanitary District