

**CITY OF HUNTINGTON BEACH
PUBLIC WORKS COMMISSION
REQUEST FOR ACTION**

Item No. PW 10-30

SUBMITTED TO: Chairman Siersema and Members of the Commission

SUBMITTED BY: Travis K. Hopkins, PE, Director of Public Works 

DATE: October 20, 2010

SUBJECT: Gravity Sewer Installation and Sewer Lift Station Demolition, Oceanhill Drive, from Adams Avenue and Beach Boulevard to Oceanhill Drive (CC1368)

Statement of Issue: Plans and specifications are in final preparation for the Gravity Sewer Installation and Sewer Lift Station Demolition at Oceanhill Drive, Project. Staff is seeking approval for the project and the initiation of the competitive bid process.

Funding Source: Funds for this project are available in the Sewer Fund Account No. 21089007. The engineer's estimate of construction cost is \$360,000.

Impact on Future Maintenance Costs: The annual operation cost for the existing Oceanhill Sewer Lift Station, including telephone, electricity and maintenance is approximately \$13,000. The estimated costs to maintain the proposed gravity sewer is approximately \$5,300 annually, which provides cleaning to the inverted siphon. The City can expect to save approximately \$7,700 annually.

Recommended Action: Motion to recommend to the City Council, the Gravity Sewer Installation and Sewer Lift Station Demolition, Oceanhill Drive Project, CC-1368.

Alternative Action(s): Recommended alternative designs or project components.

Analysis: The existing sewer lift station at Oceanhill Drive was constructed in 1978 as a part of Tract 10226. The sewer lift station was recommended for replacement as it is near the end of its functional life cycle, has an undersized dry well (difficult to maintain), and has been subjected to storm water flooding and other design deficiencies. During the preliminary design for the replacement of this sewer lift station, City engineering staff determined that a

gravity sewer alternative was feasible as a replacement to the Oceanhill Lift Station. The new gravity sewer will flow easterly on Oceanhill Drive, northerly on Beach Boulevard, and easterly on Adams Avenue where it will connect to a sewer main. An inverted sewer siphon is required as a part of the gravity sewer to convey flow under an existing 96-inch Storm Drain on Adams Avenue. Similar to the existing sewer lift station, the proposed gravity sewer will outfall to the same Orange County Sanitation District sewer.

The engineers estimate for the proposed gravity sewer is \$360,000. In contrast, the cost to construct a new sewer lift station is approximately \$1,000,000, a savings of approximately \$640,000. Plans and Specifications are in final preparation and staff is seeking support for the project and the initiation of the competitive bid process.

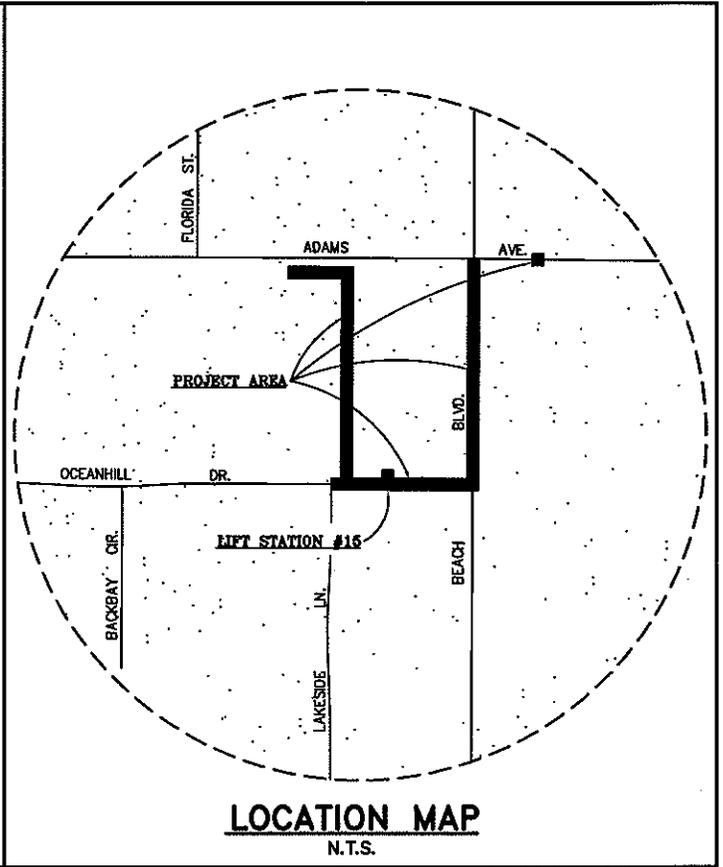
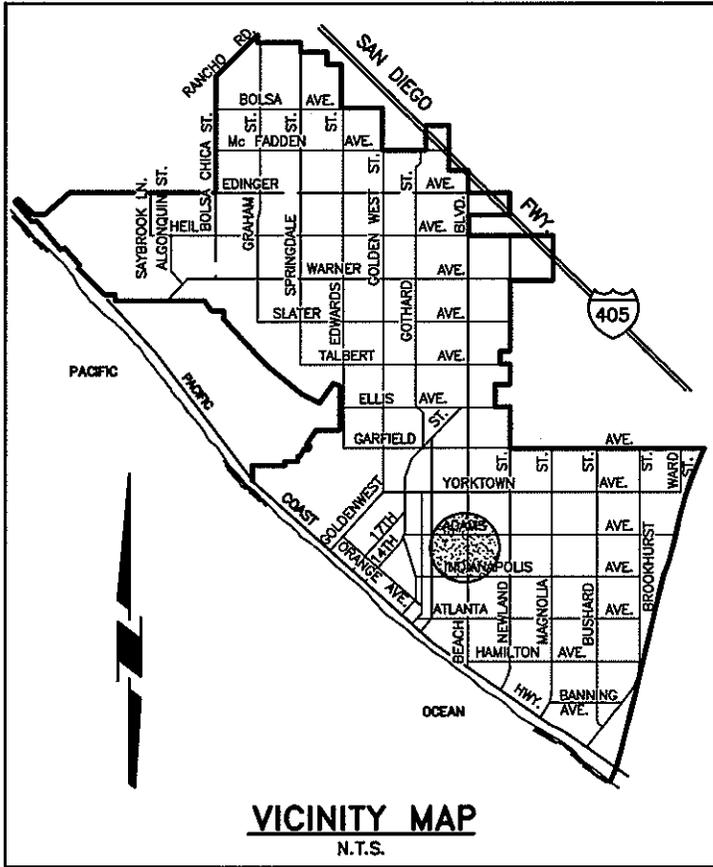
Attachments:

1. Project Location Map

G-1²

G-1³

ATTACHMENT #1



CC 1368 GRAVITY SEWER INSTALLATION
AND SEWER LIFT STATION DEMOLITION OCEANHILL DRIVE

G-14