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February 26, 2019
SPA30

WASTE WATER COLLECTION SYSTEM MASTER PLAN
OSO W.R.P. SERVICE AREA SPA-30 AMENDMENT NARRATIVE
AZALI ESTATES

LOCATION

SPA-30 is an area in the southeast part of the City bounded by Saratoga Boulevard and Brooke Road in the north, the Cayo del Oso in the east, the Oso Creek in the south, Cimarron Boulevard and a line parallel to Cimarron Boulevard in the west.

PROPOSED CHANGE IN MASTER PLAN

Azali Estates, the overall preliminary plat of which has been approved by the Planning Commission, lies directly across Channel 31 from the present location of Lift Station No. 13, thus the subject site is less than 200' from Lift Station No. 13. This proposed change in the Master Plan would better utilize proposed sewers within Azali Estates such that they would have to be simply oversized where needed and would allow for the elimination of a very deep 15" gravity sanitary sewer line on the northwest side of Master Drainage Channel 31 where Master Channel 31 runs in a northeast-southwest direction near the Oso Bay. This is shown on excerpt Master Plan map attached.

The proposed 12" line and 15" line would serve the subject Azali Estates (85 acres), 63 acres to the northwest of Azali Estates (Areas 13-16 and 20) and Area 17 to the southwest (32 acres) for a total of 180 acres. For 5 units per acre, 3 persons per unit, a peak flow of 0.93 MGD is produced. This flow is served by the proposed 12" and 15" lines as shown which have a capacity of 1.05 MGD and 1.6 MGD respectively.

LAND USE INFORMATION

All of the sub-basin land in the area of this proposed change is vacant except for two existing residences within the above described 75 acres, thus essentially and for practical purposes, is undeveloped. All of the land of the subject site and the area to the east is undeveloped.

NO IMPACT ON LIFT STATION NO. 13

This proposed change will have no impact on Lift Station No. 13 as none of the sub-basin drainage areas will change.


Nixon M. Welsh, P.E.