

**Courthouse Shadows MPUD (PL20180003659)
Activity Center #16**

**Exhibit V.E
Public Facilities Level of Service Analysis**

Provide the existing Level of Service Standard (LOS) and document the impact the proposed change will have on the following public facilities:

The Courthouse Shadows project is a developed commercial development. The project currently authorizes up to 165,000 square feet of retail commercial space on 20.35± acres. To date, 147,000 square feet of commercial has been constructed within the project. The growth management plan amendment proposes to retain all of the commercial entitlements and to add a maximum of 300 multi-family dwelling units within the sub-district.

The public facilities analysis evaluates the project impacts on potable Water, wastewater, drainage, parks, schools, roadways, fire/EMS, and solid waste. The source for the LOS information is the 2018 AUIR.

Potable Water

The property is located within the City of Naples potable water service area.

Sanitary Sewer

The subject project is located within the urban boundary with standards for Sanitary Sewer established in the Capital Improvement Element of the Collier County Growth Management Plan. Service to this area is provided by the south sewer service area of the Collier County Water and Sewer District.

Sewer Demand:

Proposed: Multi-family 300 x 100 gpd x 2.4 = 72,000 gpd
Multi-family 300 x 100 gpd x 2.4 x 1.5 (max. 3-day) = 108,000 gpd

Collier County LOS: 100 gpcd/(0.15) gpd/sf
Permitted Capacity: 16 mgd
Required Plant Capacity FY26: 16 mgd

Data Source: Collier County 2018 AUIR

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Arterial and Collector Roads

Please refer to the Traffic Impact Statement for discussions of the project's impact on level of service for arterial and collector roadways within the project's radius of development influence.

Drainage

The County has adopted a LOS standard for private developments which requires development to occur consistent with water quantity and quality standards established in Ordinances 74-50, 90-10, 2001-27, and LDC Ordinance 2004-41, as may be amended. The single project within the proposed subdistrict has been issued a surface water management permit by the South Florida Water Management District which has established criteria for the volume of water stored on site as well as the quality of the water which may be discharged from the site. The development within the subdistrict is consistent with the County LOS standards and will be consistent with basin discharge rates established by Collier County.

Solid Waste

The adopted LOS for solid waste is two years of lined cell capacity at the previous 3 year average tons per year disposal rate and 10 years of permittable landfill capacity of the disposal rate. There are no current capacity issues and none are anticipated through the year 2065.

Existing: Retail 165,000 x 5 lbs/1,000 sq ft = 625 lbs/day x 365 = 228,125
 lbs/year or 228.12 tons/year

Proposed: Retail 165,000 x 5 lbs/1,000 sq ft = 625 lbs/day x 365 = 228,125
 lbs/year or 228.12 tons/year
 Multi-family 400 x 0.54 tons per person x 2.4 = 518.4 tons

Current landfill capacity in 2017 is anticipated to be 16,309,943 tons.

Available Inventory as of July 2018:	18,710,256 tons
Required Inventory as of July 2018:	311,996 tons
Available Inventory as of July 2018:	2,916,440 tons
Surplus Capacity as of July 2018:	15,477,436 tons

Source: Collier County 2018 AUIR
Cal Recycle

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Parks: Community and Regional

The proposed 300 multi-family dwellings will pay park impact fees to mitigate for their impacts on this public facility.

No adverse impacts to Community or Regional Parks result from the creation of the subdistrict.

Schools

The proposed 300 multi-family dwellings will pay school impact fees to mitigate for their impacts.

No adverse impacts to schools result from the creation of the subdistrict.

Fire Control and EMS

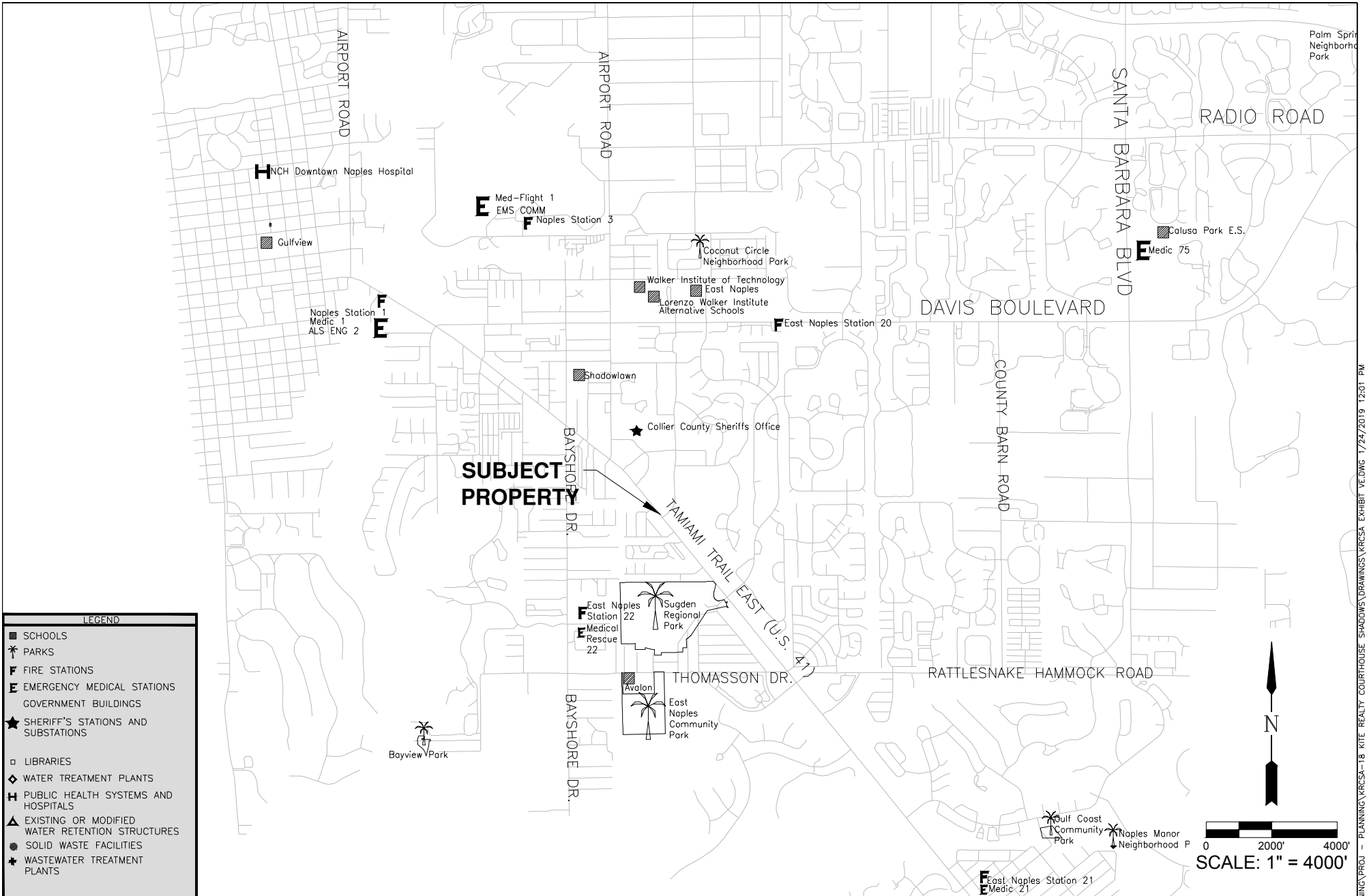
The proposed project lies within the Greater Naples Fire and Rescue District. No significant impacts to Fire Control level of service are anticipated due to the proposed project. Estimated impact fees for EMS and fire would be determined at time of SDP based on each unit.

Sheriff, Fire Protection and EMS Services location/address of facilities intended to serve the project are;

Greater Naples Fire and Rescue District - Station #22
4375 Bayshore Drive

Collier County Sheriff Office
3319 Tamiami Trail E

Collier County Sheriff District Three Substation
8075 Lely Cultural Parkway



LEGEND	
■	SCHOOLS
🌴	PARKS
F	FIRE STATIONS
E	EMERGENCY MEDICAL STATIONS
□	GOVERNMENT BUILDINGS
★	SHERIFF'S STATIONS AND SUBSTATIONS
□	LIBRARIES
◇	WATER TREATMENT PLANTS
H	PUBLIC HEALTH SYSTEMS AND HOSPITALS
▲	EXISTING OR MODIFIED WATER RETENTION STRUCTURES
●	SOLID WASTE FACILITIES
+	WASTEWATER TREATMENT PLANTS

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COURTHOUSE SHADOWS CPUD
 ACTIVITY CENTER #16
 EXHIBIT V.E.
 PUBLIC FACILITIES MAP

SCALE: 1" = 4,000'
JOB CODE: KRCSA-18
DATE: JANUARY 2019
FILE NAME: KRCSA EXHIBIT VE
SHEET 1 OF 1