



Sanitation Collection Options Downtown

MARCH 11, 2019 CITY OF FORT PIERCE CITY COMMISSION
CONFERENCE AGENDA

REVIEW OF CURRENT SITUATION

- ▶ At the December 10, 2018 Conference Agenda meeting the Commission directed staff to come back with different options pertaining to utilization of underground collection and estimated cost for construction of dumpster enclosures.

COLLECTION OPTIONS

- ▶ Implement underground refuse collection. Underground Refuse Systems, Inc. has brought this method of collection to the United States, with the City of Kissimmee being the first municipality to utilize this technology.
- ▶ Construct concrete dumpster enclosures to get the containers out of sight and in a secured area. The enclosures will be approximately 8-9 feet tall with gates that are only accessible by solid waste staff and at least one secured access door to be utilized by employees of the various businesses downtown to dispose of their waste.

Underground Refuse Systems





RENTAL OPTION

\$100,000.00 down

\$15,000.00 monthly for 60 months (**\$1,000,000.00**)

This price does not include containers: ($\$14,500.00 \times 12 = \$174,000.00 + \$100,00.00$ for installation)

Fees for returning truck before end of term are as follows

\$300K fee to return truck months 1-12 (**\$580,00.00**)

\$250K fee to return truck months 13-24 (**\$710,000.00**)

\$200K fee to return truck months 25-36 (**\$840,000.00**)

\$150K fee to return truck months 37-48 (**\$970,000.00**)

\$100K fee to return truck months 48-59 (**\$1,085,000.00**)

HAULING OPTION



111 East Monument St. Suite 401 Kissimmee, FL 34741

Jay Wheeler CEO/Founder

January 13, 2019

To: Mike Reals, Public Works Director City of Fort Pierce

Solid Waste Hauling proposal for Underground Refuse to collect from units purchased from Underground Refuse Systems.

Year one for pickup of 24 containers 7 days a week = \$3447.00 per container monthly

Requirements for this service would be for Fort Pierce to purchase:

Year 1 : 24 containers

Year 2 : 12 containers

Year 3 : 12 containers

Considering the substantial investment of more than one million dollars for 2 trucks fully outfitted, Fort Pierce would need to agree to the above metrics. This over time will help my firm offset the upfront costs associated with this arrangement.

Year 1 fees for collections would be \$82,728.00 monthly for hauling

- ▶ Year 1 cost - \$1,540,736
 $\$14,500.00 \times 24 = \$348,000$
Anticipated installation \$200,000
 $\$82,728.00 \times 12 = \$992,736.00$
- ▶ Year 2 cost - \$1,763,104.00
 $\$14,500.00 \times 12 = \$174,000$
Anticipated installation \$100,000
 $\$124,092 \times 12 = \$1,489,104$
- ▶ Year 3 cost - \$2,259,472
 $\$14,500.00 \times 12 = \$174,000$
Anticipated installation \$100,000
 $\$165,456.00 \times 12 = \$1,985,472$

PURCHASE OPTION

▶ **\$800-850,000.00**

Cost of truck \$450-500,000.00

12 Underground Systems \$174,000.00

Installation \$100,000.00

18 Above ground units \$59,400.00

PROS AND CONS OF UNDERGROUND COLLECTION

PRO

- ▶ Attractive
- ▶ Innovative
- ▶ Secure
- ▶ Space saving
- ▶ Eliminates odors
- ▶ Can be placed in sidewalks
- ▶ The truck can service containers from either side
- ▶ Can be beautified with murals and/or wraps
- ▶ Reduce instances of illegal dumping
- ▶ Animal proof

CON

- ▶ Costly to purchase and implement
- ▶ Would only serve a small segment of the community
- ▶ Single use truck
- ▶ Would still need a location for waste oil containers

MARINA SQUARE Est \$68,500



SOUTH END OF JCP PARKING LOT \$40,500



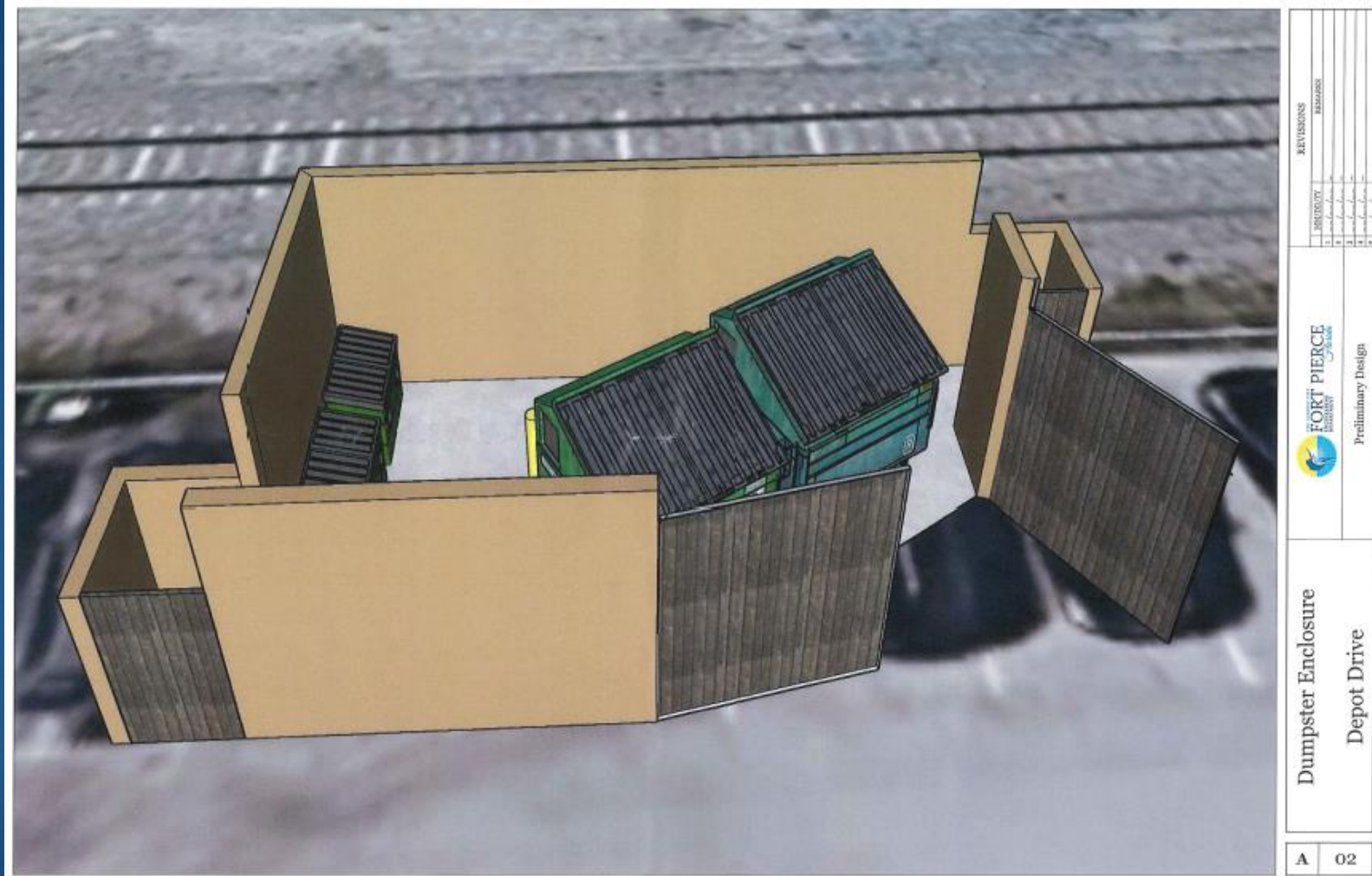
REVISIONS	
NO.	DESCRIPTION

FORT PIERCE
FLORIDA
 Precision Design

**Dumpster Enclosure
 JC Penney Parking**

A 01

DEPOT DRIVE 3D RENDERING



PROS AND CONS OF ENCLOSURES

PRO

- ▶ Attractive
- ▶ Secure
- ▶ Affordable
- ▶ Can house waste oil containers
- ▶ Can be beautified with murals and/or landscaping
- ▶ Reduce instances of illegal dumping
- ▶ Reduce odors

CON

- ▶ Will require reducing the number of available parking spaces
- ▶ Will require staff time to unlock and open the gates to service dumpsters

CONCLUSION

ENCLOSURE

- ▶ Can be accomplished for +/- \$200,000.00
- ▶ Can be implemented in under 90 days
- ▶ Will not require new equipment to service

UNDERGROUND

- ▶ Anticipated cost of to purchase \$800-850,000.00
- ▶ Renting the truck or signing a hauling agreement \$1,000,000.00+
- ▶ Underground Refuse Systems is willing to finance some or all of the purchase for a term of 5-7 years
- ▶ Implementation in 9-12 months from issuance of Purchase Order



QUESTIONS

?