



# DEPARTMENT OF PUBLIC WORKS

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**Solid Waste District  
Recycling Center Project  
November 1, 2018**

# PURPOSE OF A RECYCLING CENTER

- Accepts recyclable material from the City's collection vehicles and is consolidated into larger transport vehicles.
- Affordable environmentally-sound way to handle collected recyclables since we do not have a convenient access to a recycling recovery facility.

# PURPOSE OF A RECYCLING CENTER

- Reduces the cost of transporting material to a distant facility by serving as a convenient hub to facilitate our community's recycling.
- Allows the opportunity to evaluate and determine which processing facility is the most economical.
- Provides fuel savings, reduces vehicle and equipment usage and air pollution.

# PURPOSE OF A RECYCLING CENTER

- Provides the opportunity to screen incoming recycling material for such purposes as removing contaminants, hazardous waste, and recover recyclable material.
- Allows drivers to stay on the route collection, reducing overtime.

# ESTIMATED ANNUAL COST OF PROCESSING MATERIAL

| Location                                  | Venice               | Sarasota           | Sarasota              | Sarasota            |
|---|----------------------|--------------------|-----------------------|---------------------|
| Dual - Single Stream                      | Dual                 | Single             | Dual                  | Dual                |
| Company Name                              | Republic (self haul) | SSR (self haul)    | SSR (contracted haul) | SSR (in house haul) |
| Processing                                | \$769,328            | \$240,000          | \$240,000             | \$240,000           |
| Transportation                            |                      |                    | \$200,000             |                     |
| Fuel/Salary                               | \$103,632            | \$560,898          | \$5,800               | \$45,000            |
| Variables                                 | \$20,909             | \$132,134          |                       | \$32,000            |
| QualityControl/Loader                     |                      |                    | \$60,000              | \$60,000            |
| Pan Am Site                               |                      |                    | \$100,000             | \$100,000           |
| Transport Vehicle                         |                      |                    |                       | \$190,000           |
| Transport Trailer                         |                      |                    |                       | \$250,000           |
| Transport Driver                          |                      |                    |                       | \$60,000            |
| Totes                                     | \$289,000            | \$70,000           | \$289,000             | \$289,000           |
| Loader                                    |                      |                    | \$240,000             | \$240,000           |
| <b>Estimated Total</b>                    | <b>\$1,182,869</b>   | <b>\$1,003,032</b> | <b>\$1,134,800</b>    | <b>\$1,506,000</b>  |
| Minus One Time Cost                       |                      |                    | \$794,800             | \$726,000           |
| Contamination                             |                      | \$200,000          | \$20,000              | \$20,000            |
| <b>Total Estimated Cost</b>               | <b>\$1,182,869</b>   | <b>\$1,203,032</b> | <b>\$814,800</b>      | <b>\$746,000</b>    |
|   |                      |                    |                       |                     |
| SSR- Single Stream Recycler -Both Streams |                      |                    |                       |                     |
| Republic-Dual Stream Only                 |                      |                    |                       |                     |

# PROJECT GOALS

- Establish a Recycling Center at 5455 Pan American Boulevard.
- Install a 54 x 50 x 20 Laminated Fabric structure to house our recycling material.
- The Solid Waste Division will operate a recycling facility to become more self sufficient while reducing contamination to recyclables.

# PROJECT GOALS

- Recycling Center operation hours would be Monday through Friday, 8 a.m. until 5 p.m. (unless a holiday week, 5 Saturdays would then be included).
- Utilize a transport service for the removal of recyclable material to a distant processing site.
- Allow flexibility to pursue a Recyclable Material Processor.

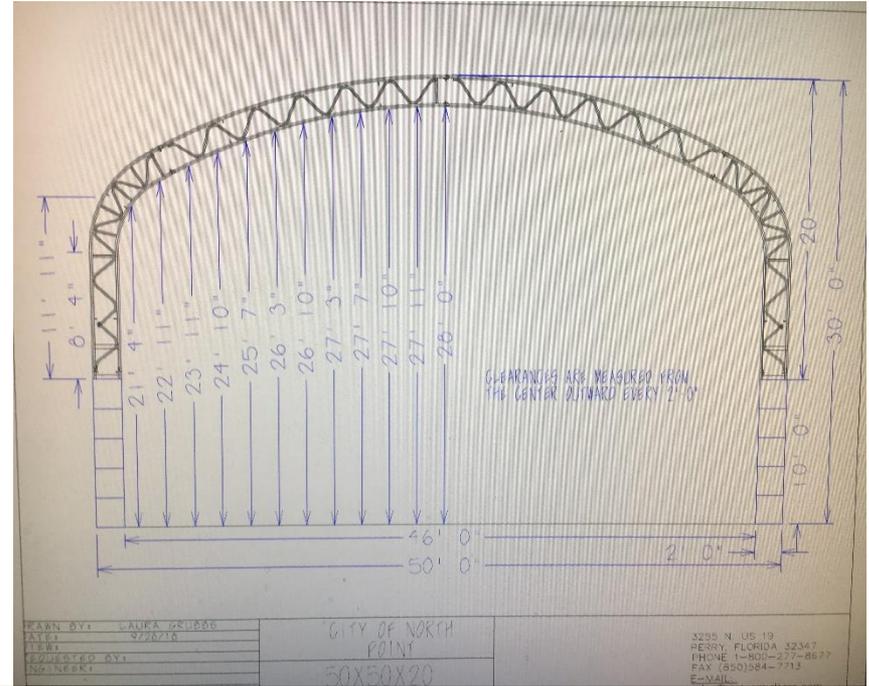
# PROJECT GOALS

- Lower processing fee and maximize any revenue share.
- In 2020, this facility will be considered for a future yard waste consolidated area before transporting this material to a distant processing site.

# FUTURE RECYCLING CENTER LOCATION



# CANOPY



# CONCLUSION

- Analyze contract haul to Single Stream Recyclers, LLC, in Sarasota.
- Saving route time.
- Saving fuel.
- Saving maintenance.
- Allowing for future opportunities.



ACHIEVE ANYTHING

**QUESTIONS**