

**City of St. Petersburg**  
**Public Services & Infrastructure Committee Meeting**  
**August 27, 2020 – 9:25 AM**

Welcome to the City of St. Petersburg City Council Public Services & Infrastructure Committee Meeting. The agenda and supporting documents are available on the City's website at [www.st.pete.org/meetings](http://www.st.pete.org/meetings) or by emailing [city.clerk@stpete.org](mailto:city.clerk@stpete.org).

**NOTE:** City buildings are closed to the public due to the COVID-19 emergency. Accordingly, the meeting location has been changed from in-person to a “virtual” meeting by means of communications media technology pursuant to Executive Order Number 20-69, issued by the Governor on March 20, 2020, and Executive Order 2020-30 issued by the Mayor on July 8, 2020.

The public can attend the meeting in the following ways:

- Watch live on Channel 15 WOW!/Channel 641 Spectrum/Channel 20 Frontier FiOS
- Watch live online at [WWW.stpete.org/TV](http://WWW.stpete.org/TV)
- Watch on your computer, mobile phone, or another device at: <https://zoom.us/j/98383259470>
- Listen by dialing any one of the following phone numbers and entering - **Webinar ID: 983 8325 9470 #**
  - +1 312-626-6799
  - +1 646-876-9923
  - +1 253 215 8782
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  - +1 346-248-7799
  - +1 669-900-6833

City of St. Petersburg  
**Public Services & Infrastructure Committee**  
August 27, 2020 – 9:25 AM

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Members: Committee Chair Darden Rice, Committee Vice-Chair Amy Foster, Council Chair Ed Montanari, and Council Member Deborah Figgs-Sanders

Alternate: Council Member Robert Blackmon

Support Staff: Jayne Ohlman - City Council Legislative Aide

**1) Call to Order**

**2) Approval of Agenda**

**3) Approval of July 30, 2020 Minutes**

**4) New Business – August 27, 2020**

**a) Presentation on the \$36 million Northwest Water Reclamation Improvement Project – John Palenchar, Maureen Wingfield**

**Attachment(s):**

1. New Business Item by Council Chair Montanari - Dated May 21, 2020
2. Presentation from Water Resources on NWWRF Improvement Project

**Upcoming Meeting Dates & Tentative Agenda Items**

**September 10, 2020**

**a) Update from City Staff and PSTA on Plans to Add and Replace Bus Shelters in the City – Committee Chair Rice, Evan Mory, Brejesh Prayman, & PSTA Staff**

**September 24, 2020**

**a) Discuss Live-Streaming City Council Meetings on Facebook Live to Increase Citizen Engagement – Council Member Robert Blackmon, Logan Smith, & Michael Flannagan**

**General Attachments:**

Minutes of the July 30, 2020 PS&I Committee Meeting  
Agenda Item Support Material  
Pending and Continuing Referral List

City of St. Petersburg  
**Public Services & Infrastructure Committee**  
**July 30, 2020 Meeting Minutes**  
*Zoom Virtual Meeting*

**Present:** Committee Members – Committee Chair Darden Rice, Committee Vice-Chair Amy Foster, Council Chair Ed Montanari, Council Member Deborah Figgs-Sanders, & Council Member Robert Blackmon (Alternate)

**Also Present:** City Administrator - Deputy Mayor Dr. Kanika Tomalin, Assistant City Administrator Tom Greene, City Attorney Jackie Kovilaritch, Assistant City Attorney Heather Judd, Assistant City Attorney Devon Haggitt, Water Resources Director John Palenchar, Senior Water Resources Manager Scott Lewis, and Public Works Administrator Claude Tankersley

**Support Staff:** Jayne Ohlman - City Council Legislative Aide

1. **Call to Order** – 9:25 AM
2. **Approval of Agenda** – CM Foster moved approval, all members voted in favor.
3. **Approval of July 16, 2020 Minutes** – CM Montanari moved approval, all members voted in favor.
4. **New Business – July 30, 2020**

**A Continued Discussion on Potential Amendments to the City’s Grease Waste Management Program** – *Scott Lewis, John Palenchar, Claude Tankersley, & Heather Judd*

Committee Chair Rice began by asking if any action by the committee would be requested as part of this agenda item. Water Resources Director John Palenchar asked for the committee to approve the draft ordinance and refer to the full City Council.

Mr. John Palenchar began the staff presentation by reminding the committee that the City’s Fats, Oils, and Grease (“FOG”) Management program is part of a federally required industrial pretreatment program, which is monitored by the State. Mr. Palenchar noted that the City’s original FOG program was initiated in the early 1990s as a result of a consent order.

Senior Water Resources Manager Scott Lewis continued with an overview of the intent of the FOG program, which is to prevent the introduction of FOG into the City’s wastewater system. Mr. Lewis explained that FOG is the byproduct of food and drink preparation, as well as meat preparation. FOG is the byproduct of meat fats, butter/margarine, sauces, and dairy products. Mr. Lewis explained that when these products are washed down the drain, the substances can solidify and in turn, cause blockage in the sewer pipes and pumps. The excess accumulation of FOG, if uncontrolled, can cause sewer overflows. To emphasize the disastrous effect that FOG in the City’s wastewater system can cause, Mr. Lewis stated that if every resident in the City disposed of one teaspoon of grease down the drain every day, the City would have to remove approximately six 55-gallon drums of grease from the sewer system every day.

Mr. Lewis highlighted the following proposed changes to Chapter 27, Article III, Division 4 of City Code related to Grease Management.

- First, the City will no longer allow for “pump and return” by grease haulers. Pump and return, as defined in the draft ordinance, is the “removal of all wastes from the pretreatment device, then returning the separated gray water back into the pretreatment device.” Mr. Lewis explained that this change will bring the City in-line with Pinellas County.

- Second, the City will begin to require a minimum size of 30 GPM (gallons per minute) for industrial grease traps in order to provide for a higher level of removal and system protection.
- Third, FOG haulers will be required to submit pump-out records electronically within 5 business days of maintenance, a requirement already in place in Pinellas County. Finally, the draft ordinance contains an anti-corrosion requirement for new and repaired grease interceptors in order to help protect wastewater infrastructure, the public, and the environment by reducing system failures.
- Fourth, additional pretreatment devices will be added to the FOG Management program including: oil/water separators, lint traps, and solids separators.

CM Rice asked Mr. Lewis to elaborate on what defines a “solid separator” and inquired if the device is something restaurants already have or will need to buy themselves. Mr. Lewis and Mr. Palenchar responded that solid separators, in conjunction with grease traps, are already part of the plumbing code. However, the proposed changes to the ordinance will officially include them in the list of permitted devices and will allow for maintenance requirements and inspections. Mr. Lewis clarified that most facilities already have these devices. There are only a small few existing facilities with food grinders/disposals that will be required to install solids separators or remove the food grinder/disposal.

CM Rice asked for clarification on the invoicing plan for the updated FOG program and Mr. Lewis responded that the invoices will continue to be billed through Oracle. Mr. Lewis explained that although there was discussion of adding the fee to utility bills it was ultimately decided to continue the use of Oracle. Assistant City Attorney Heather Judd added that because the FOG program is essentially a permitting program, staff did not believe it was practical to add the fee to the utility bills because of the understanding that fees on utility bills are directly tied to city-provided services.

In referencing the proposed increase to permit fees, Council Chair Montanari asked how the proposed fees compared to Pinellas County. Mr. Palenchar responded that Pinellas County’s fee structure is comparable and explained that the permit application fee for a grease trap (< 50 GPM) is \$115 and the permit fee for a grease interceptor (> 50 GPM) is \$140.

CM Montanari then inquired about the City’s biosolids facility and the potential use of FOG for the biosolids to energy program. Public Works Administrator Claude Tankersley responded that although there were previous discussions about FOG intake at the biosolids plant, those discussions have paused pending further cost/benefit analysis. Mr. Palenchar emphasized that there are FOG intake facilities and capabilities at the biosolids plant, however, the cost/benefit analysis necessary has not been thoroughly explored.

CM Montanari made a motion to approve the draft ordinance and refer to the full City Council. All members voted in favor.

***CM Rice adjourned the meeting at 10:15 AM***

	Topic	Return Date	Referral Date	Prior Meeting	Referred By	Staff	Notes
1	A presentation from staff on the \$36 million Northwest Water Reclamation improvement project	8/27/20	5/21/20		Montanari	C. Tankersley J. Palenchar	
2	Update from City Staff & PSTA on Plans to Add/Replace Bus Shelters in the City	9/10/20	9/3/20		Rice	E. Mory B. Prayman PSTA	
3	A discussion regarding the process & benefits of live streaming the City Council meetings on Facebook Live for more citizen engagement	9/24/20	5/21/20		Blackmon	L. Smith M. Flanagan Legal	
4	Presentation by Sanitation Department staff on the progress of the Management Evaluation Study (2019)	10/22/20	3/12/20		Rice (Staff Request)	W. Joseph	
5	A presentation from staff on the design & construction plans for the new Sanitation Department facility		5/21/20		Montanari	R. Quintana W. Joseph R. Gerdes	
6	Update on the City's Facility Maintenance Plan		6/7/18	5/9/19	Foster, Admin	A. Wendler L. Glover-Henderson	9/12/19 – T. Greene indicated staff would like return to PS&I for a check-in once the plan became fully staffed
7	Discussion of an ordinance that will set standards for mechanical noise, such as HVAC systems		4/18/19	9/26/19	Driscoll	L. Abernethy D. Goodwin	9/26/19 – Committee requested staff to explore potential mechanical noise mitigation incentives & return to PS&I to present options.
8	<b>Quarterly Report on Grow Smarter Sites</b> a) Port Site b) Innovation District Site c) 800 Block Site d) Police Station Site e) Tropicana Field Site f) Commerce Park Site g) 22 <sup>nd</sup> Street Sites h) Tangerine Plaza Site		2/15/18 3/8/18	3/8/18 5/31/18 9/13/18 6/13/19 11/7/19	Foster Driscoll	A. DeLisle	5/31/18 – Update on Innovation District, Police Station Site, Tropicana Field Site, and Tangerine Plaza Site 9/13/18 – A memo from A. DeLisle was distributed to the committee in lieu of a verbal update on Tangerine Plaza. See minutes of 9/13 for full memo 6/13/19 – Update on Innovation District, Former Police Station Site, & Tangerine Plaza
9	<b>Capital Improvement Assessment (Maintenance &amp; Hurricane/Tropical Storm Preparedness)</b> a. Bridges b. Reclaimed Water & possible expansion c. Roads / Sidewalks / Pedestrian Bridges d. Seawalls		2/2/17	a. 4/27/17 a. 7/20/17 b. 8/24/17 c. 11/9/17 d. 3/22/18 d. 11/15/18	Kennedy, Gerdes	a. Prayman b. Palenchar c. Prayman d. Prayman e. J. Norris f. Palenchar	a) <b>Bridges</b> – Staff to bring back analysis of long-term and pedestrian bridge funding. CM Kennedy asked to have noted that between 2021 and 2025 there is a \$50 million shortage on funding for bridges.

	<p>e. Stormwater  f. Potable Water (water quality audit)  g. Buildings  h. Sewers / Wastewater (if needed)  i. New sidewalk planning</p>			<p>e. 7/12/18  f. 7/26/18  (COW)</p>		<p>g. Tankersley  i. Tankersley,  Mory</p>	<p><b>b) Reclaimed Water</b> – Report provided by J. Palenchar. Items <b>b), e), f) &amp; h)</b> are in Integrated Master Plan.  <b>c) Roads/Sidewalks</b> – Power point by B. Prayman &amp; J. Norris. Staff to report to committee on updated numbers for annual sidewalk repair &amp; replacement with the numbers based on new technology. Funding for brick streets replacement as a recurring maintenance cost needs to be considered.  <b>e) Stormwater</b> – J. Norris updated committee on Stormwater infrastructure, challenges, and ongoing projects.  <b>d) Seawalls/Living Shorelines</b> – B. Prayman, C. Frey, &amp; C. Tankersley updated the committee on seawall repairs/replacements &amp; living shoreline projects  <b>1/16/20</b> – Committee requested continued updates in 2020.</p>
10	Update on Albert Whitted Airport Master Plan, potential runway expansion, & general operational improvements	Fall 2020	5/17/18	8/9/18 2/13/20	Staff Request	R. Lesniak C. Ballestra	<p><b>8/9/18</b> – R. Lesniak and C. Ballestra presented the committee with an update on the airport’s runway feasibility study, an economic impact study, and an update on the airport master plan  <b>2/13/20</b> – R. Lesniak, C. Ballestra, &amp; D. DiCarlo (ESA) updated the committee on results from master plan working paper #1 and continued operational improvements at AWA. Staff indicated they would like to return in the Fall to provide further updates.</p>
11	Update: Unused alleys & potential changes to the vacation process for alleyways	January 2021		<b>6/14/18 (HLUT)</b> <b>7/16/20</b>	Staff	L. Abernethy M. Dema	<b>7/16/20</b> – Committee requested an update in 6 months (Jan. 2021)
12	Annual Update by Water Resources on Recommendations from the 2017 Management Evaluation & Consent Order Update	January 2021	12/7/17	1/10/19 2/27/20	Council	C. Tankersley J. Palenchar	<p><b>12/7/17</b> – PS&amp;I to manage the 57 recommendations made by LA Consulting.  <b>1/10/19</b> – C. Tankersley &amp; J. Palenchar updated committee on progress of implementation of the 57 recommendations  <b>2/27/20</b> – Committee received updates on consent order &amp; 2017 management evaluation recommendations</p>
PS&I 2020 Dates: 1/16, 1/30, 2/13, 2/27, 5/28, 6/11, 7/16, 7/30, <b>8/27</b> , 9/10, 9/24, 10/8, 10/22, 11/12, 12/10							

# CITY COUNCIL AGENDA NEW BUSINESS ITEM

TO: Members of City Council

DATE: May 8, 2020

COUNCIL DATE: May 21, 2020

RE: *A Referral to the Public Services & Infrastructure Committee for a  
Presentation on the NW Plant New Improvements*

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## **ACTION DESIRED:**

Respectfully requesting a referral to the Public Services & Infrastructure committee, or other relevant committee, for a presentation from staff on the \$36 million Northwest Water Reclamation improvements.

Council Chair Ed Montanari – District 3



# NORTHWEST WATER RECLAMATION FACILITY IMPROVEMENTS

PS&I Committee  
AUGUST 27, 2020

# Project Selection and Prioritization

## Projects are selected based on Risk

- Risk is a combination of likelihood of failure (LoF) and consequence of failure (CoF)
  - LoF is determined using asset condition assessment, service life, and maintenance history.
  - CoF is determined using criticality to the system and social, environmental, and economic impacts if failure were to occur.



# Project Justification

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## Additional Reject Storage Tanks:

- Chapter 62-610.464(3) of F.A.C
- Influent Pump Station (IPS), Screening and Odor Control current:
- No coarse screening
  - 2 separate IPS – 1957 and 1996
  - No bypasses on fine screening system
  - No odor control



# Project History and CIP

## FY 06

- Design Budgeted Project Deferred
- New Headworks
- Odor Control

## FY 13

- Design & Construction Budgeted Project Deferred
- Headworks & Odor Control

## FY 18

- Design Budgeted
- Headworks Fine Screen & Odor Control
- Influent Pump Station
- Reject Storage Tanks
- Construction Budgeted
- Headworks Coarse Screen & Odor Control

## FY 20

- Construction Budgeted
- Phase 1 Influent Pump Station

## FY 09

- Design Budgeted Project Deferred
- New Headworks
- Odor Control

## FY 14

- Design Budgeted Project Deferred
- Headworks & Odor Control

## FY 19

- Construction Budgeted
- Reject Storage Tanks
- Headworks Fine Screen & Odor Control

## FY 23

- Construction Proposed Budget
- Phase 2 Influent Pump Station



# Integrated Water Resources Master Plan (IWRMP)

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- Risk Score Ranking out of 19
  - Influent Pumping #1
  - Off-Spec Water Storage #4
  - Headworks #7



# Project Budget and Scope

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- NWWRF Influent Pump Station and Screenings
  - Construction cost – approximately \$23 million
- NWWRF Reject Storage Tank
  - Construction cost - approximately \$12.7 million
- CMAR Delivery – budget not to exceed \$36 million





26th Avenue N

72nd Street N

**Key**

- ▬ Overall Site Limits
- E Electrical
- IPS Influent Pump Station
- FS Fine Screens
- OC Odor Control
- RST Reject Storage Tank

RST

RST

IPS

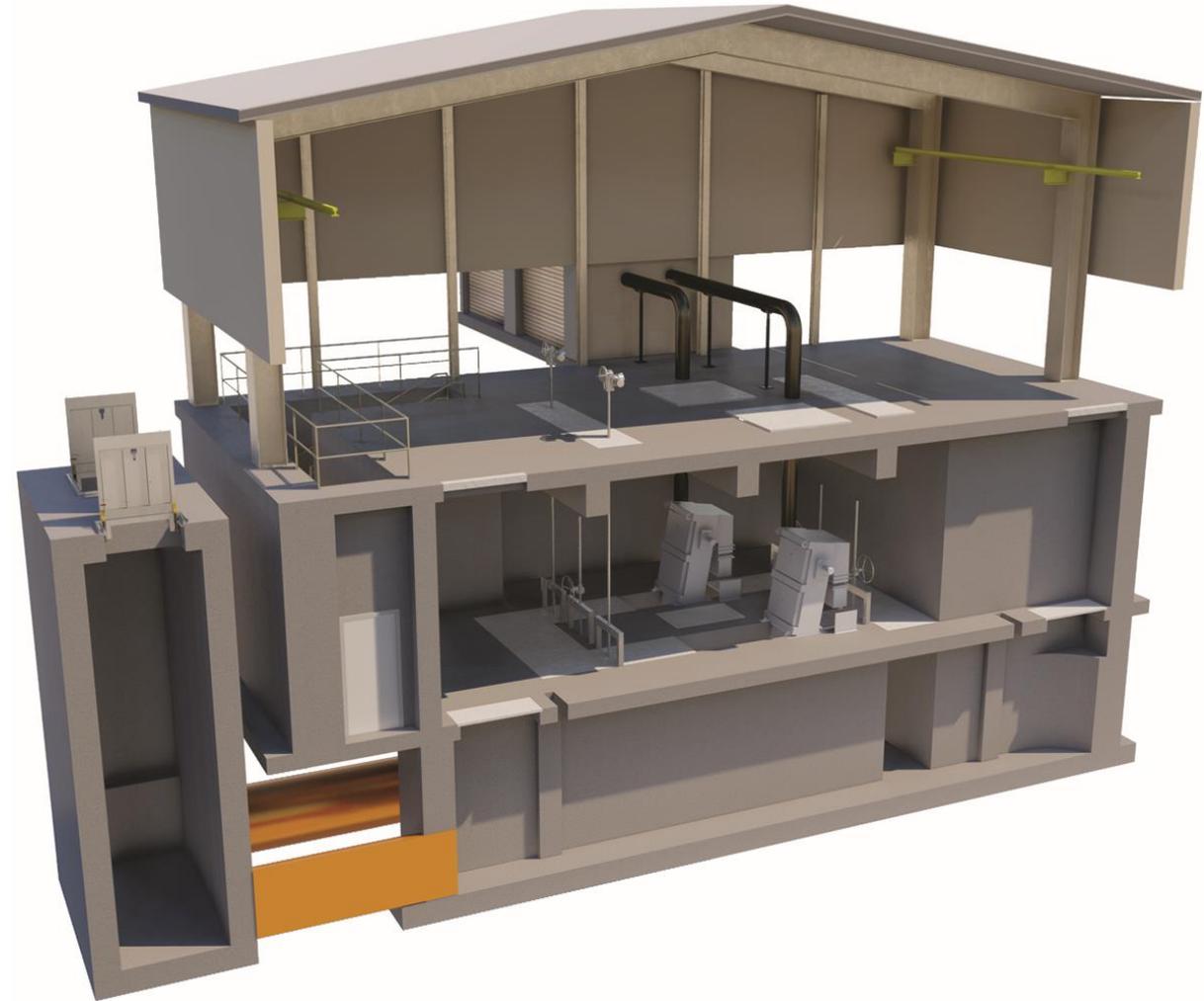
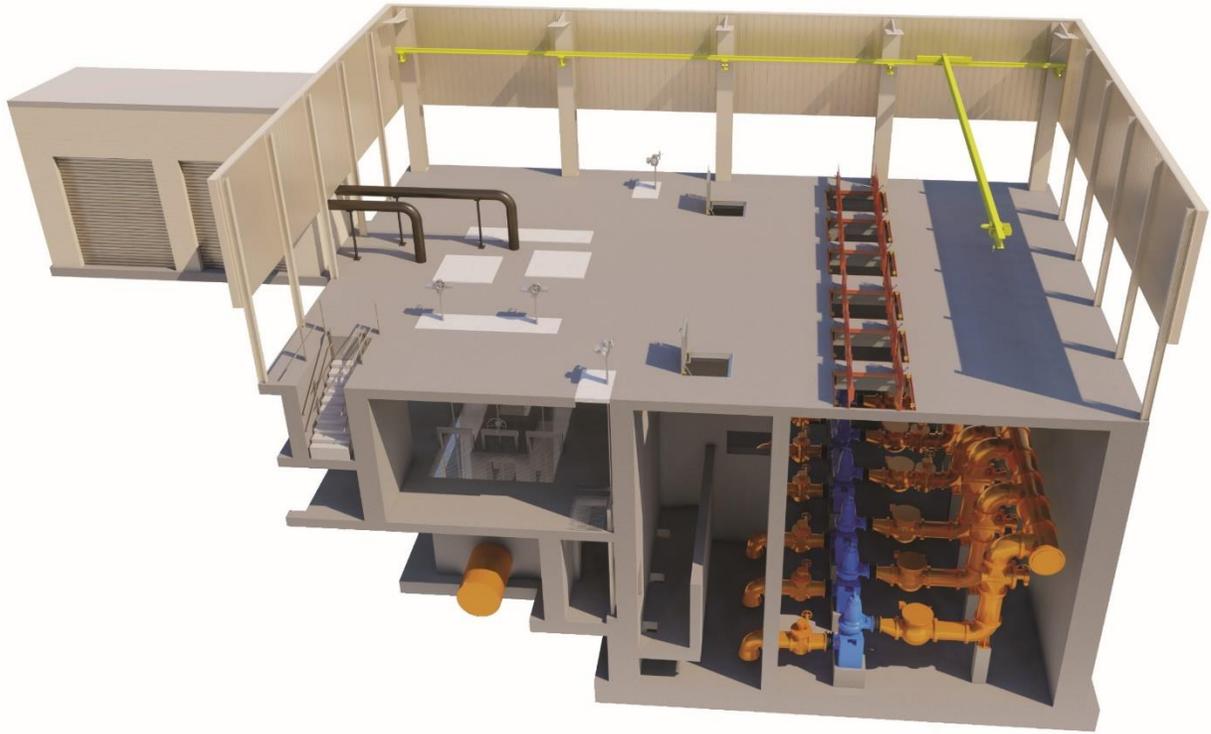
FS

OC

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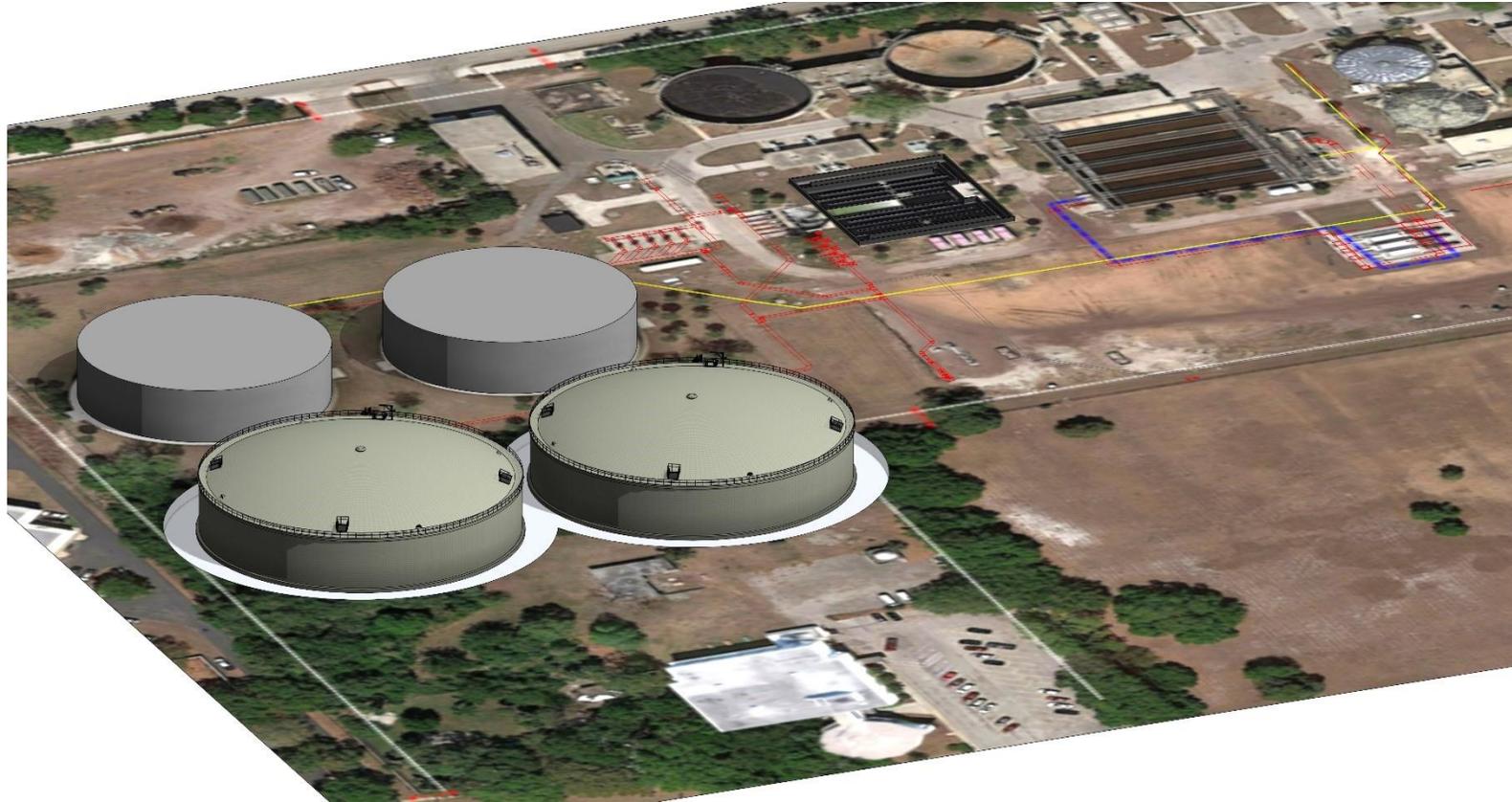
# CONSOLIDATED PUMPING

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# REJECT STORAGE TANKS

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# SUSTAINABLE INFRASTRUCTURE

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- Envision Verification
  - Third-party sustainability certification
  - Typically 1-2% cost of overall project budget



# SCHEDULE & NEXT STEPS

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- Design – now thru Summer 2021
- Public Meeting – Summer/Fall 2021
- Permitting – thru 2021
- Construction – First quarter 2022
- Duration: approximately 24 months



# Questions

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