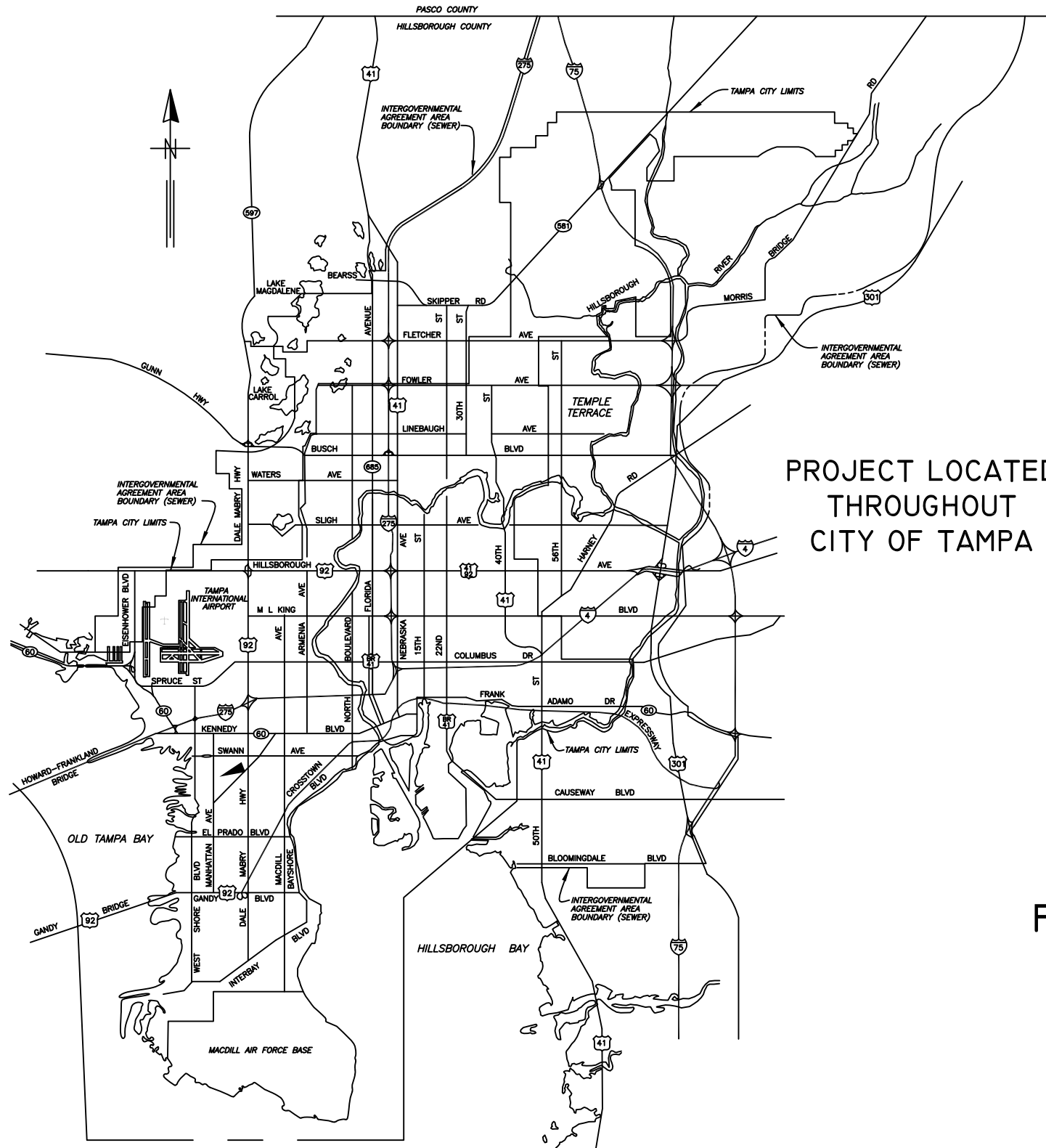


LOCATION MAP



PROJECT LOCATED  
THROUGHOUT  
CITY OF TAMPA

CITY of TAMPA



WASTEWATER DEPARTMENT

PLANS FOR  
FY21 WASTEWATER TUBERCULATED GRAVITY PIPELINE  
REHABILITATION

CONTRACT No.  
21-C-00039

CTB - MONOCHROME.CTB

JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	No.	DATE	REVISIONS	DES: MS	CITY of TAMPA WASTEWATER DEPARTMENT	FY21 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION COVER SHEET	W.O.
	3			DRN: MS/JG			SHEET
	2			CKD:			1
	1			DATE: 11/16/21			

## GENERAL NOTES

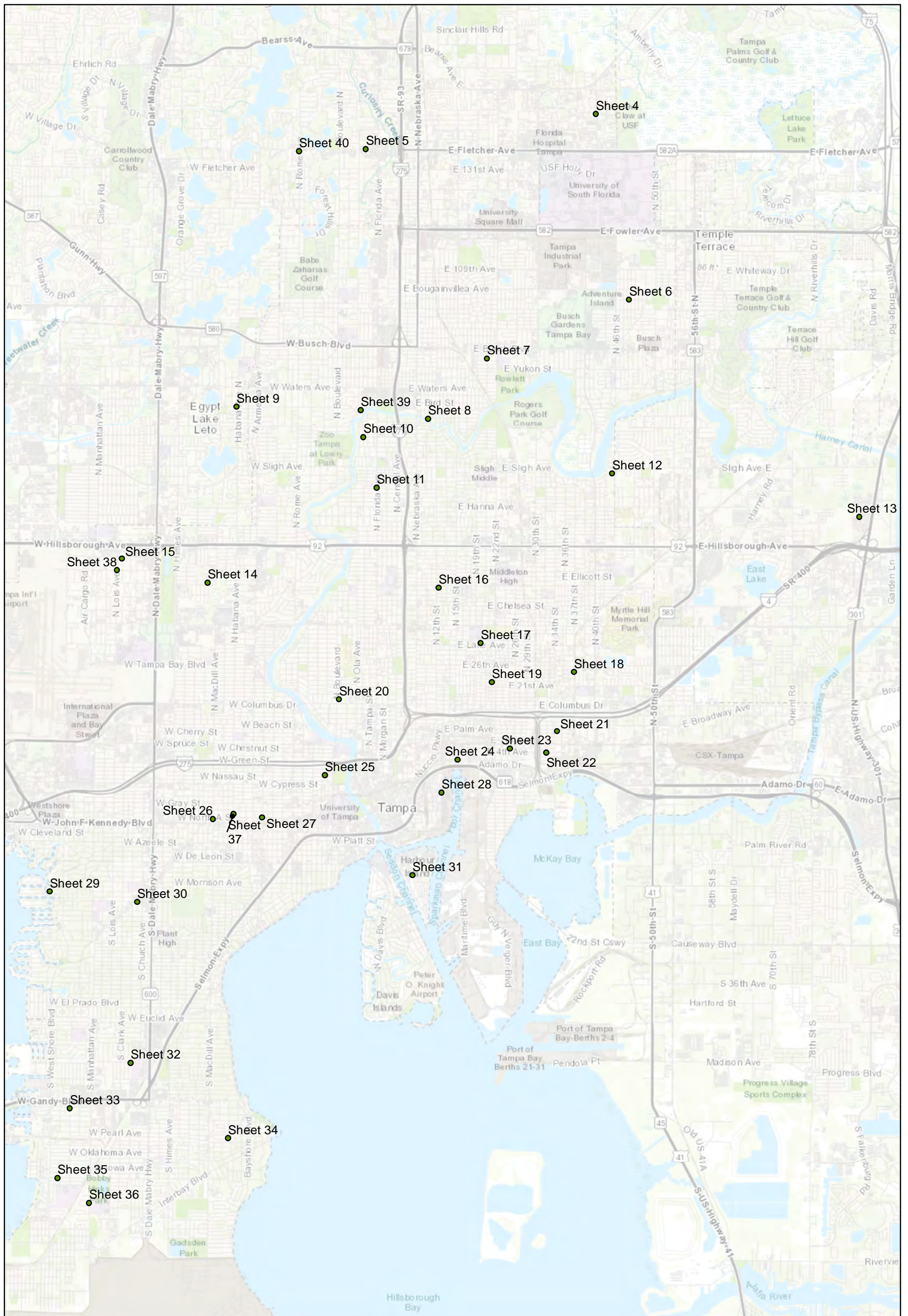
1. THE SCOPE OF THIS PROJECT SHALL CONSIST OF REHABILITATION OF 8",10",12",15",18, AND 21" DIA WASTEWATER PIPELINE BY CLEANING, DETUBERCULATING, AND INSTALLATION OF CURED IN PLACE PIPE LINER AND ALL APPURTENANCE ASSOCIATED WITH COMPLETION OF THE PROJECT.
2. ELEVATION INFORMATION SHOWN ON THESE PLANS IS REFERENCED TO N.G.V.D. 1929 UNLESS OTHERWISE STATED.
3. SHEETS 41-124 ARE THE EXISTING AS-BUILTS OF THE SEWER PIPE TO BE REHABILITATED.
4. DURING THE MOT, CONTRACTOR MUST MAINTAIN ACCESS TO ALL DRIVEWAYS FOR THE DURATION OF THE PROJECT.
5. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR OBTAINING THE NECESSARY ROAD CLOSURE AND RIGHT-OF-WAY PERMITS FROM THE APPROPRIATE GOVERNMENT AGENCIES HAVING JURISDICTION OVER THE SPECIFIC ROADWAYS.
6. IN ORDER TO OBTAIN ROADWAY CLOSURE OR RIGHT-OF WAY PERMITS, AT MINIMUM, THE CONTRACTOR MUST SUBMIT DETAILED MAINTENANCE OF TRAFFIC (MOT) PLANS ALONG WITH APPLICATIONS TO THE APPROPRIATE AGENCY. THE MOT(S) SHALL CONFORM TO APPLICABLE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) INDEX DRAWINGS (MOST CURRENT EDITION). THE GOVERNING AGENCIES MAY REQUIRE ADDITIONAL INFORMATION AND DICTATE SPECIFIC WORK TIMES DURING NON-PEAK TRAFFIC HOURS. REFER TO SPECIFIC PROVISIONS FOR SPECIFIC TRAFFIC CONTROL REQUIREMENTS.
7. CONTINUOUS SEWER SERVICE MUST BE MAINTAINED AT ALL TIMES. WORK DURING LOW FLOW PERIODS OR NIGHT WORK MAY BE REQUIRED. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PRIVATE AND CITY PUMPING STATIONS AND SEWER SERVICE VIA VACUUM TRUCKS. CONTRACTOR IS RESPONSIBLE FOR DEWATERING, COLLECTING AND DISPOSING OF ALL WATER AND SLUDGE FROM EXISTING FACILITIES AS NECESSARY TO MAINTAIN SERVICE. COST FOR THIS WORK SHALL BE INCLUDED IN THE VARIOUS CONTRACT ITEMS AND NO ADDITIONAL PAYMENT WILL BE MADE.
8. BYPASS PUMPS SHALL BE CAPABLE OF DELIVERING 300 GPM FOR 8" DIA PIPE, 600 GPM FOR 10" DIA PIPE, 800 GPM FOR 12" DIA PIPE, 1400 GPM FOR 15" DIA PIPE, 1550 GPM FOR 18" DIA PIPE AND 2000 GPM FOR 21" DIA. PIPE. THE BYPASS PUMPS SHALL BE OF THE SELF PRIMING QUIET FLOW TYPE PUMP. BYPASS PUMP NOISE SHALL STRICTLY COMPLY TO ALL LOCAL REGULATIONS AND ORDINANCES COVERING NOISE CONTROL. THIS MAY REQUIRE CONSTRUCTING SOUND ATTENUATING ENCLOSURE AROUND PUMPS. BYPASS METHOD SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER.
9. THE PROPOSED LINER THICKNESS FOR THE 8" SEWER SHALL BE 6.0 MM THICKNESS, 10"/12"/15" SEWER SHALL BE 7.5 MM THICKNESS, 18" SEWER SHALL BE 9.0 MM THICKNESS AND 21" SEWER SHALL BE 10.5 MM THICKNESS.
10. CONTRACTOR SHALL RESTORE ALL LANDSCAPING, SODDING, SPRINKLER SYSTEM PIPING AND PAVEMENT THAT MAY HAVE BEEN DAMAGED DURING CONSTRUCTION TO ITS ORIGINAL CONDITION OR BETTER.
11. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH WASTEWATER PERSONNEL AND PUMPING STATION OPERATIONS.
12. OSHA STANDARD EQUIPMENT SUCH AS SAFETY HARNESSSES, GAS MONITORS, LOWER EXPLOSIVE LIMIT (LEL) DETECTORS, BREATHING APPARATUS, ETC. SHALL BE UTILIZED WHERE THE WORK DICTATES THEIR USE.
13. FOR THE MANHOLES IN FDOT MAINTAINED ROADWAYS, THE CONTRACTOR SHALL NOTIFY FDOT MAINTENANCE DIVISION AT 744-6038 A MINIMUM OF 48 HOURS PRIOR TO STARTING THE REHABILITATION WORK. THE CITY WILL OBTAIN THE NECESSARY RIGHT OF WAY UTILITY USE PERMIT FROM FDOT. HOWEVER, THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL SIGNAGE IN ACCORDANCE WITH FDOT STANDARD INDEX DRAWINGS (MOST CURRENT EDITION)

INDEX	
SHEET NUMBER	SHEET NAME
1	COVER SHEET
2	NOTE AND INDEX
3	PROJECT LOCATIONS
4 - 40	AREA MAPS
41 - 124	Wastewater Record Drawings For Reference

RECORD DRAWINGS ARE BEING PROVIDED FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT INTENDED TO SHOW ADDITIONAL WORK FOR THIS CONTRACT. THE CITY DOES NOT GUARANTEE THE ACCURACY OF THE RECORD DRAWINGS.

PLOTTED BY: MichaelF Salgado  
 DRAWING FILE K:\WasteWater Projects\FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation\DWG\FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation.dwg  
 PLOT DATE: Tuesday, November 16, 2021 1:24:38 PM  
 LAST SAVED BY: ssi1  
 CTB - MONOCHROME.CTB

JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	No.      DATE      REVISIONS	DES: MS DRN: MS/JG CKD: DATE: 11/16/21	<b>CITY of TAMPA</b> WASTEWATER DEPARTMENT	FY21 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION NOTE AND INDEX	SHEET <b>2</b>
	3 2 1				



0 2.25 4.5 9 Miles

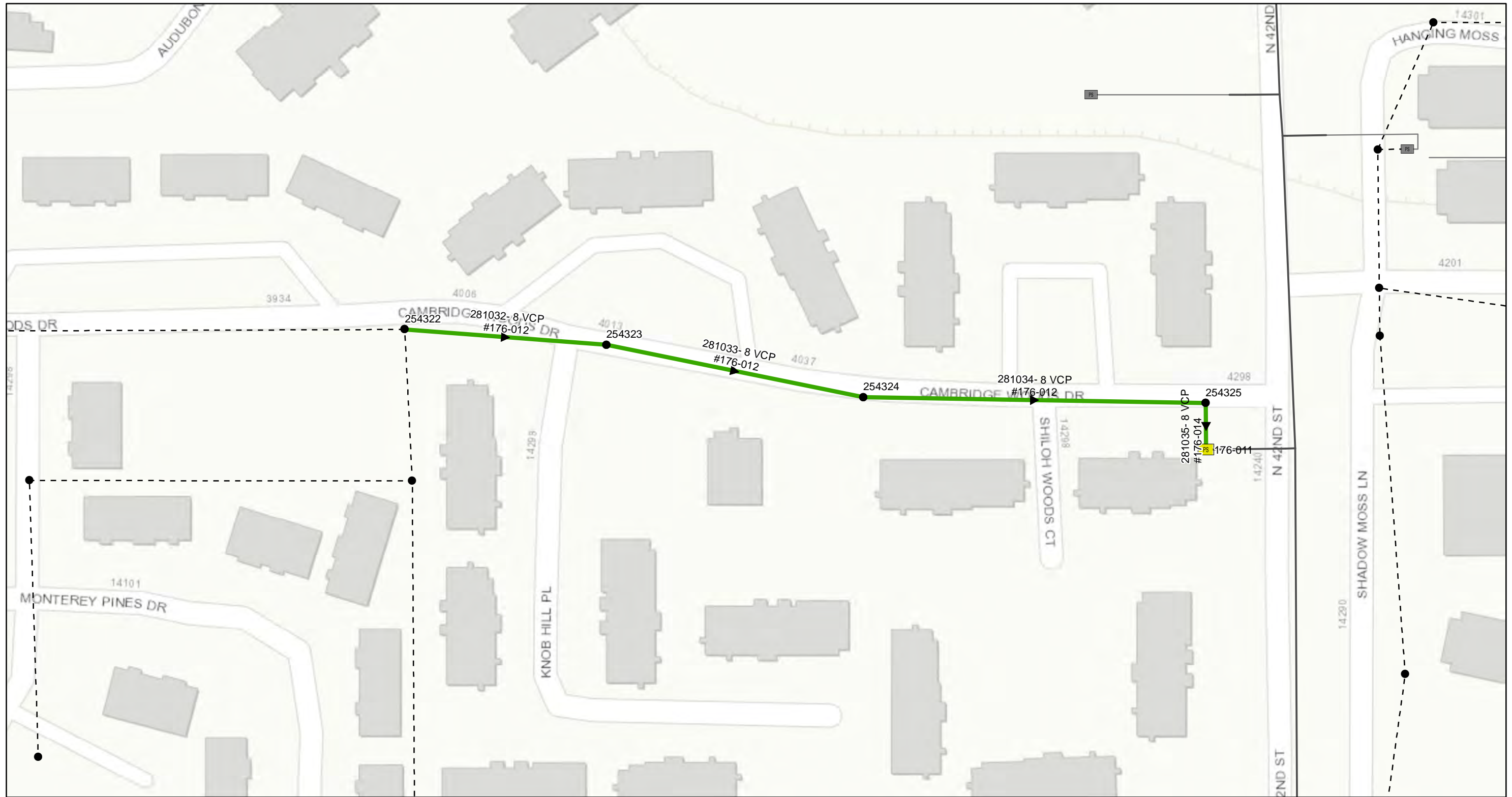
**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
 City of Tampa Wastewater Department

● Proposed Lining Area Sheet Locations



Sheet No.  
**3**





**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
**City of Tampa Wastewater Department**

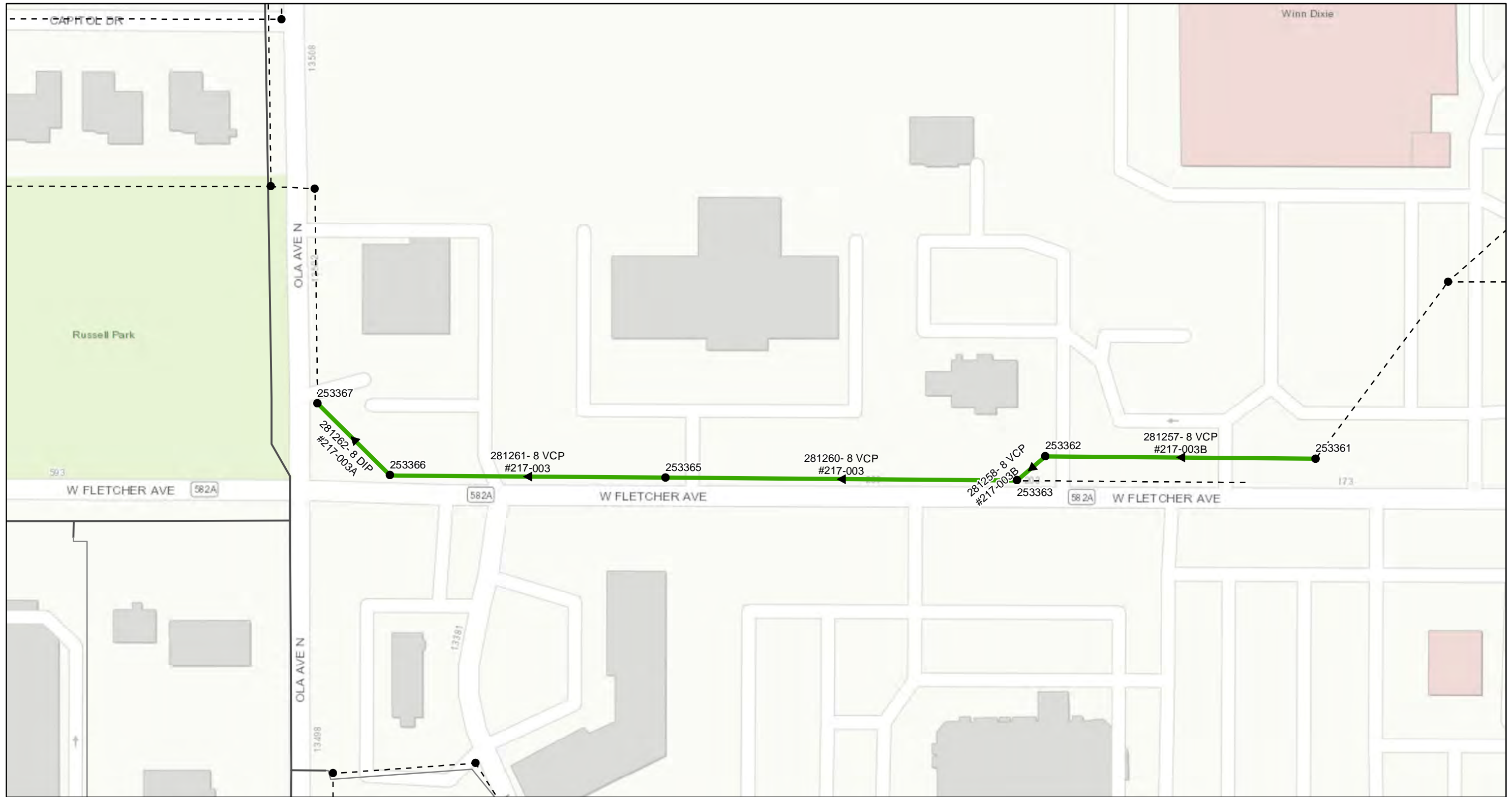
**Legend**

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**4**





**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
**City of Tampa Wastewater Department**

**Legend**

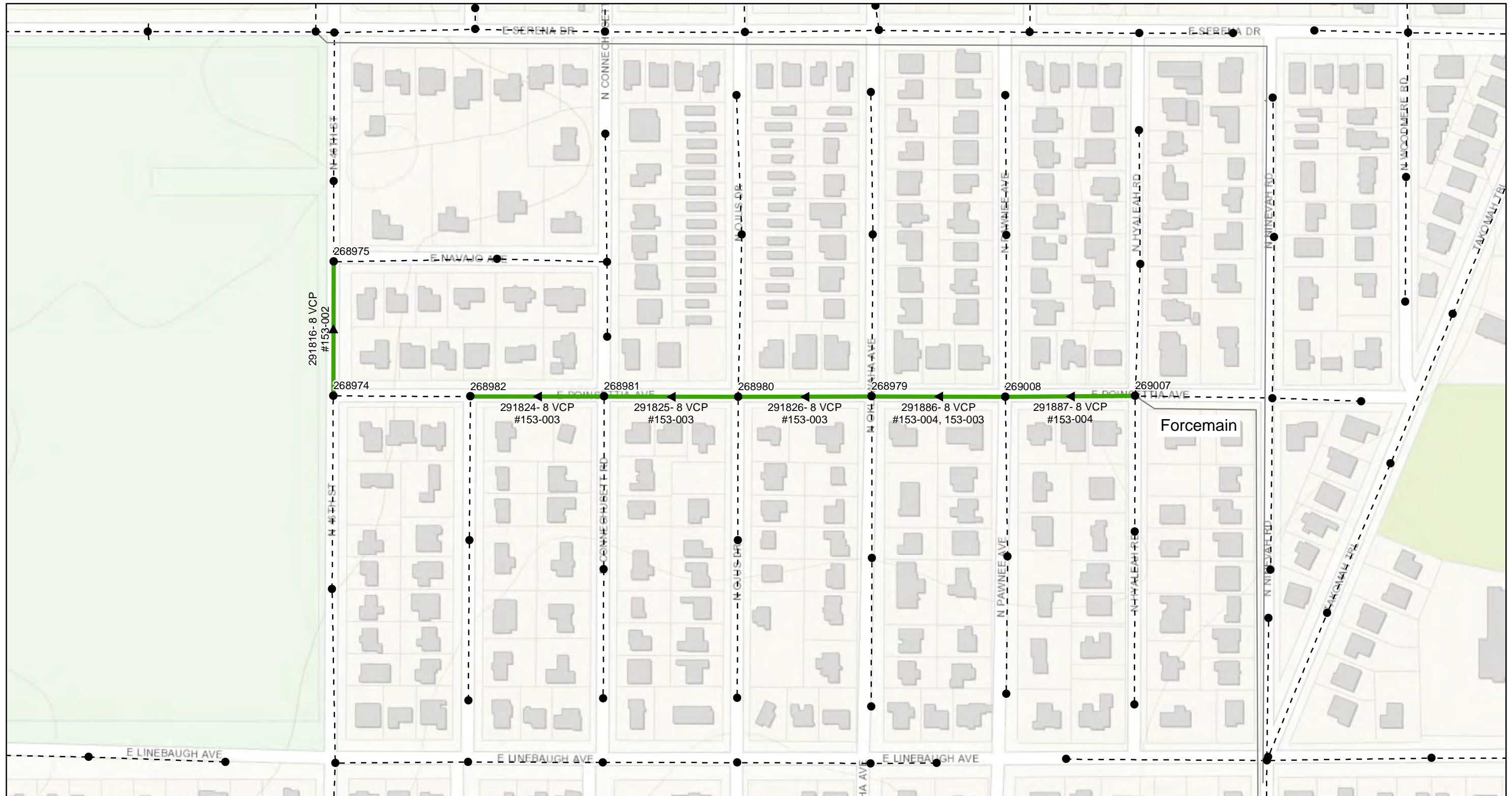
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- PS Pump Station
- PS Private Pump Station
- ➔ Proposed Lining Area
- Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.

**5**





**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
**City of Tampa Wastewater Department**

**Legend**

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.

**6**





0 0.015 0.03 0.06 Miles

# FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation

City of Tampa Wastewater Department

## Legend

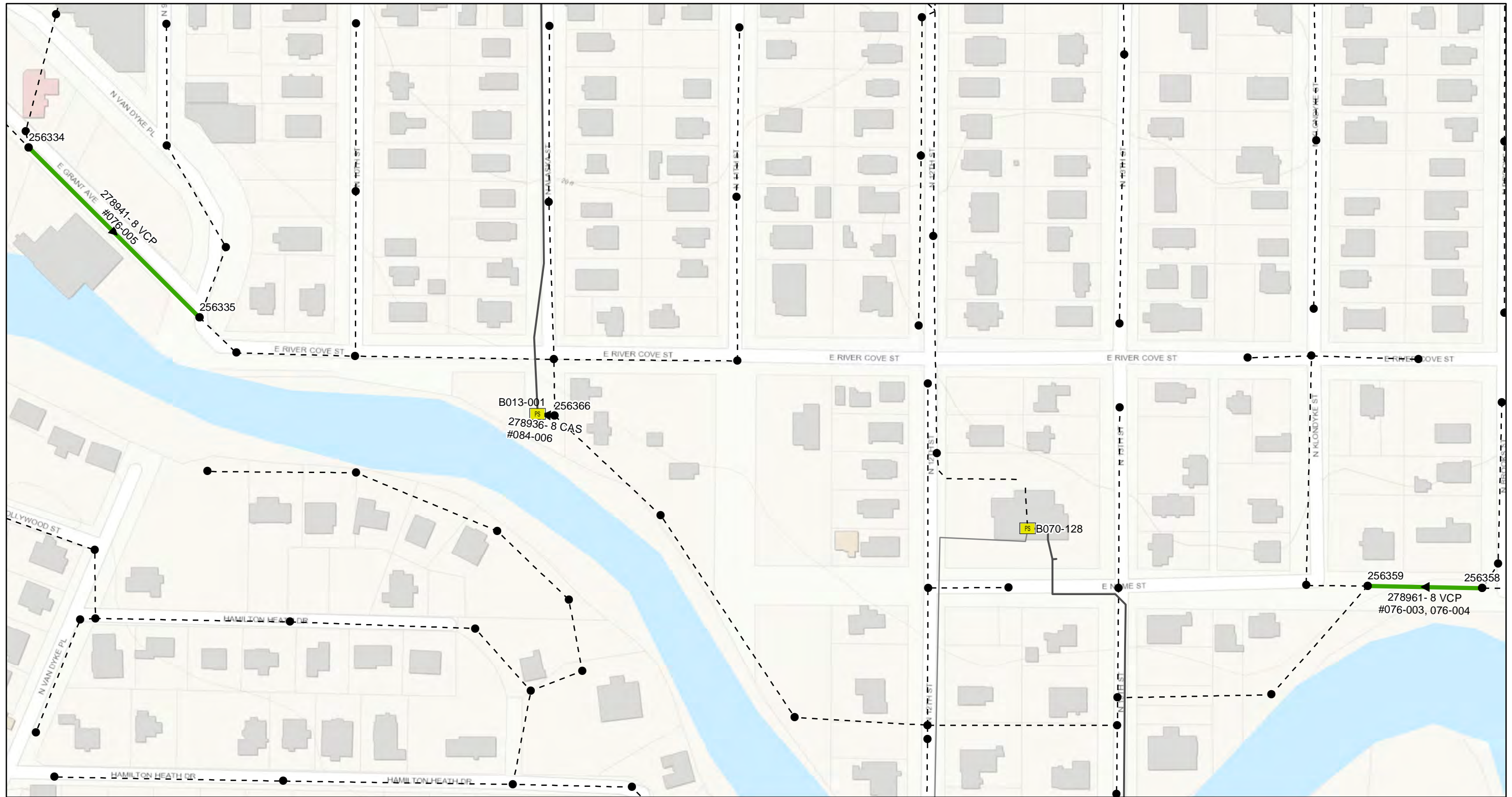
- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.

**7**





# FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation

City of Tampa Wastewater Department

## Legend

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- - - - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.

**8**







0 0.0125 0.025 0.05 Miles

**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
 City of Tampa Wastewater Department

**Legend**

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.

**9**





0 0.0125 0.025 0.05 Miles

# FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation

City of Tampa Wastewater Department

## Legend

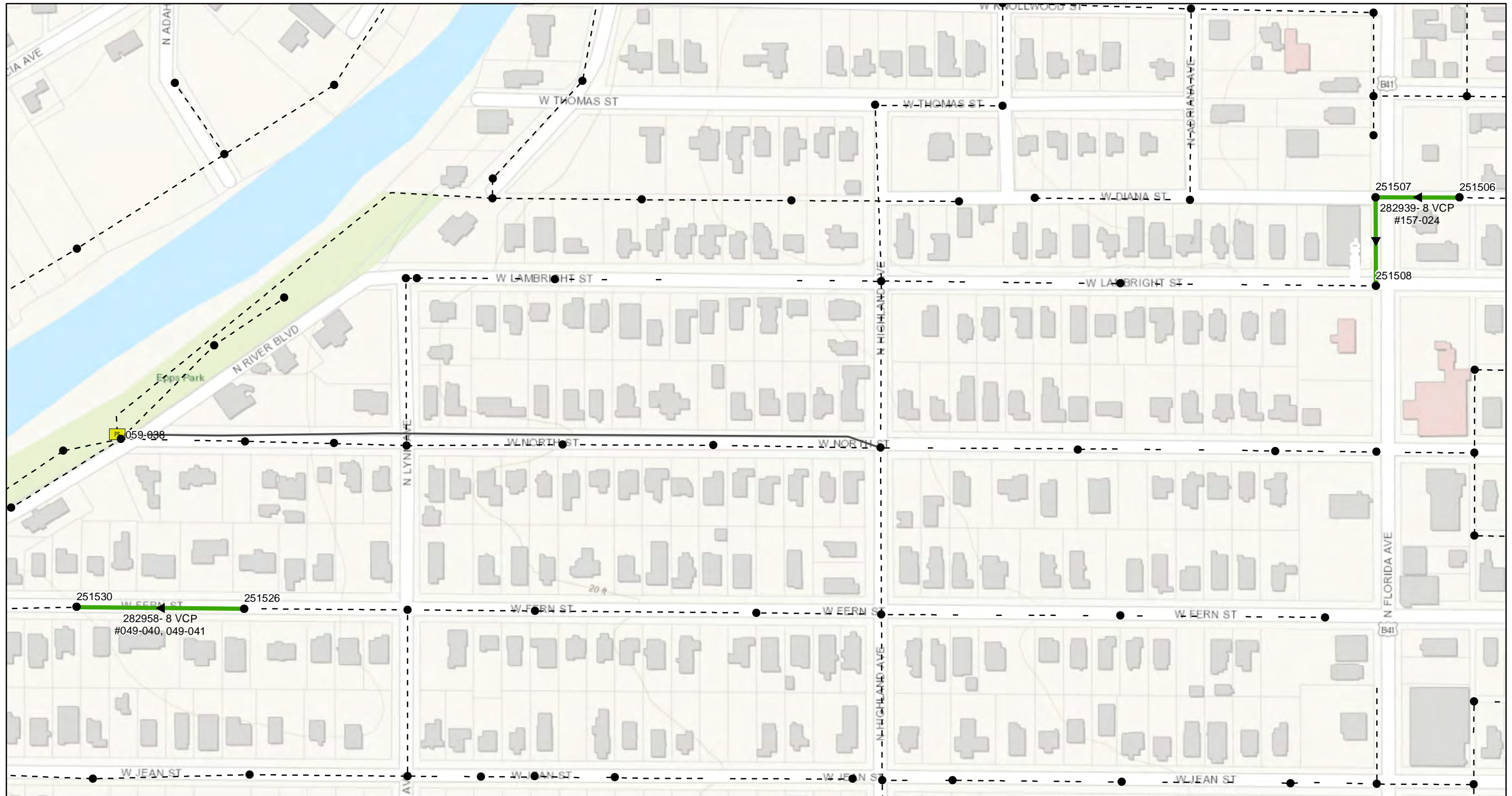
- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.

**10**





# FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation

City of Tampa Wastewater Department

## Legend

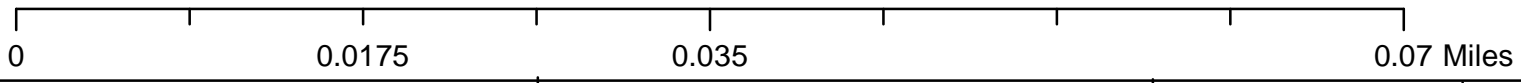
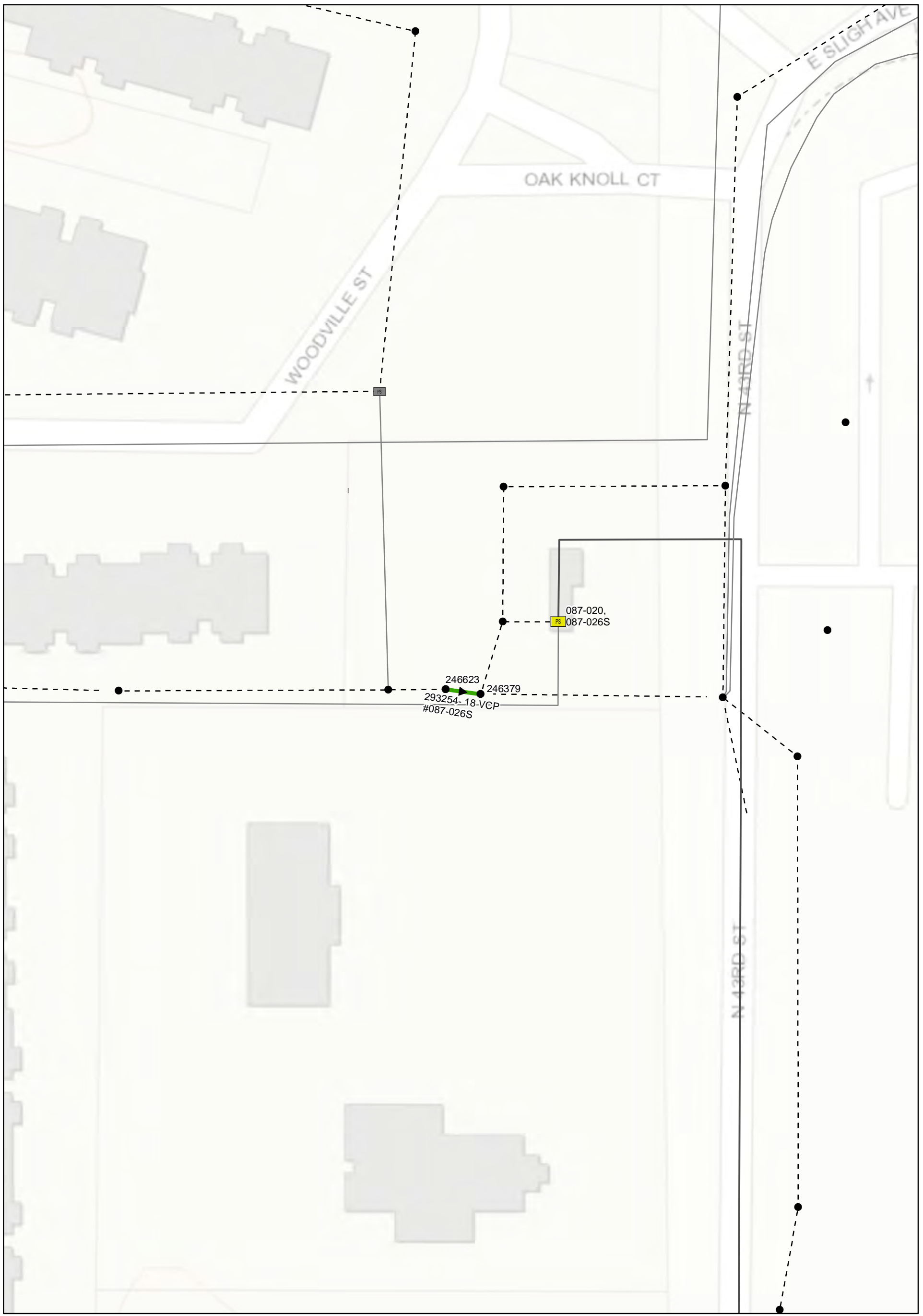
- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- Proposed Lining Area
- Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.

**11**





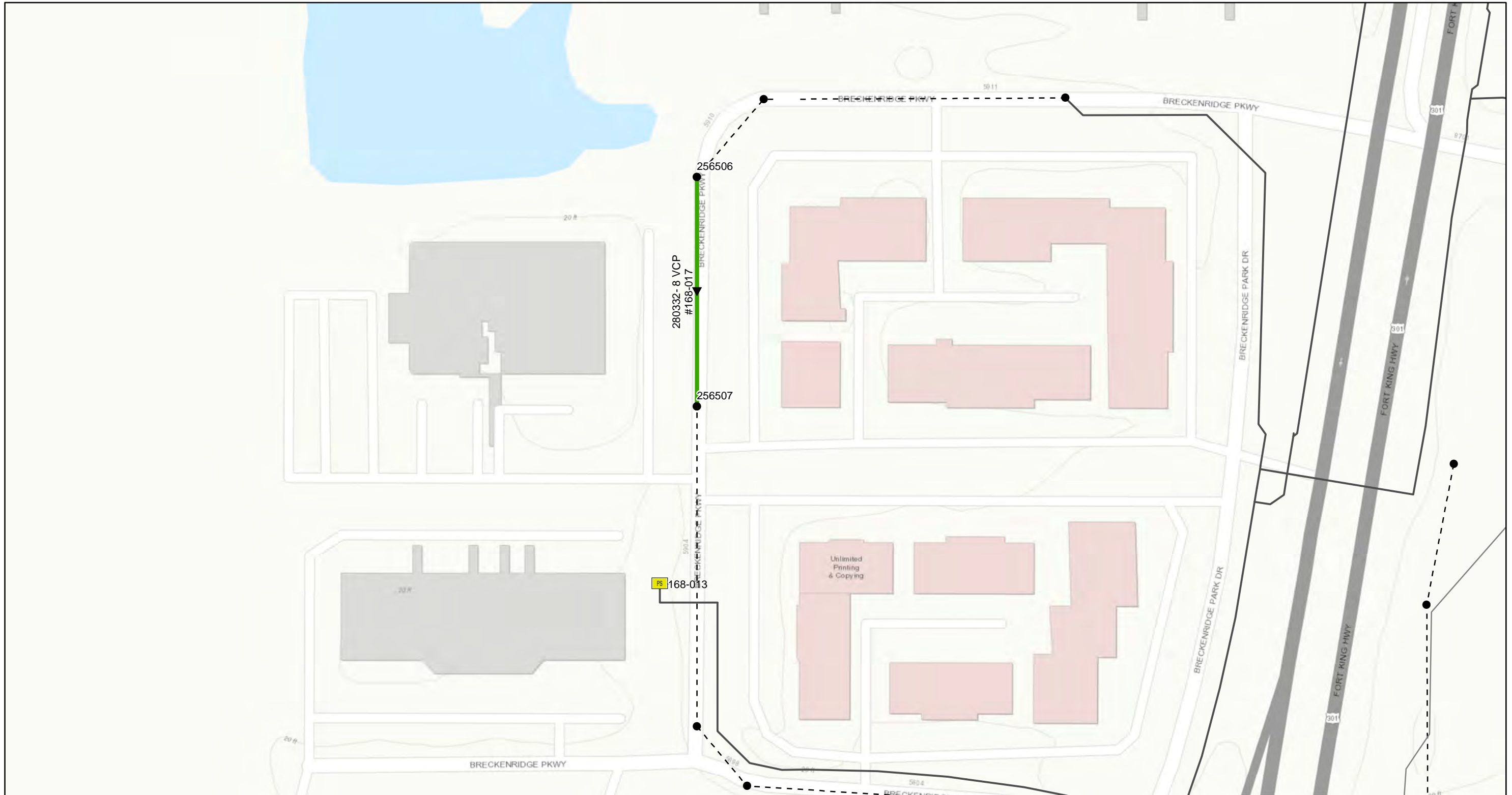
**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
 City of Tampa Wastewater Department

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- PS Private Pump Station
- ➔ Proposed Lining Area
- - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**12**





**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
 City of Tampa Wastewater Department

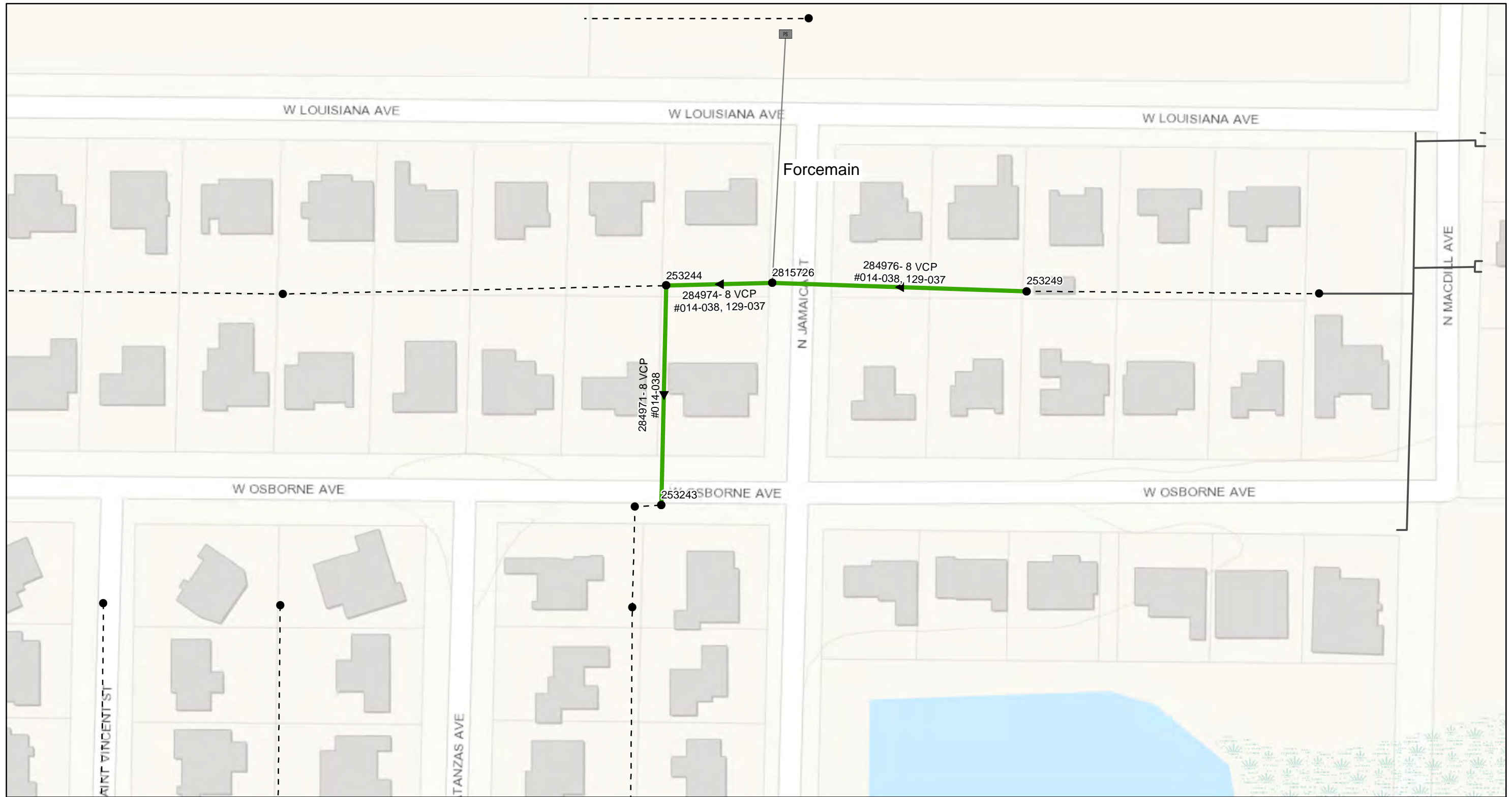
**Legend**

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**13**





0 0.0125 0.025 0.05 Miles

# FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation

City of Tampa Wastewater Department

## Legend

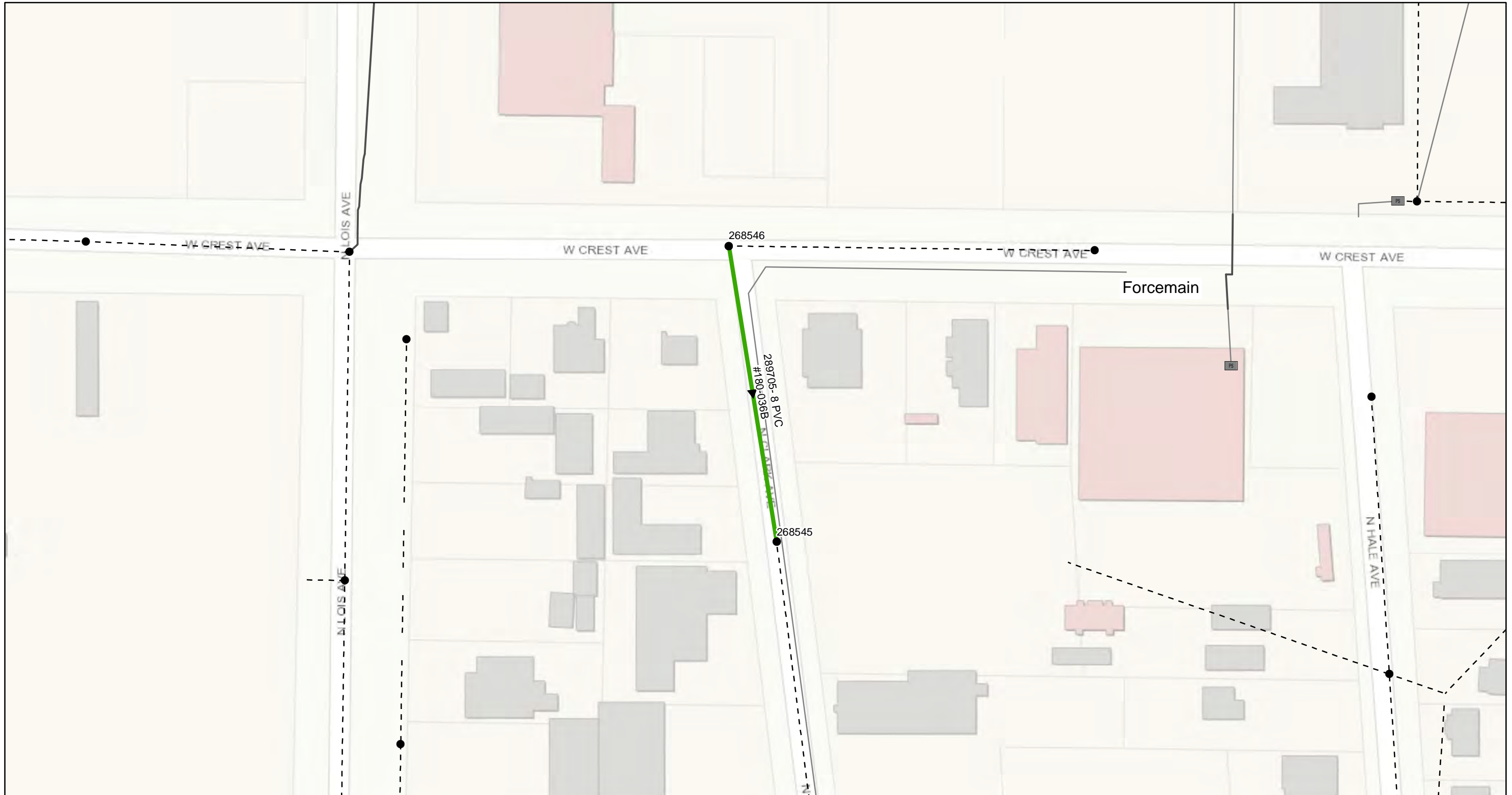
- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- Proposed Lining Area
- - - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.

**14**





**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
**City of Tampa Wastewater Department**

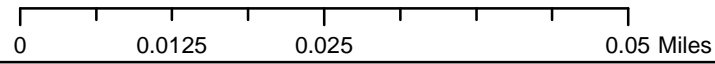
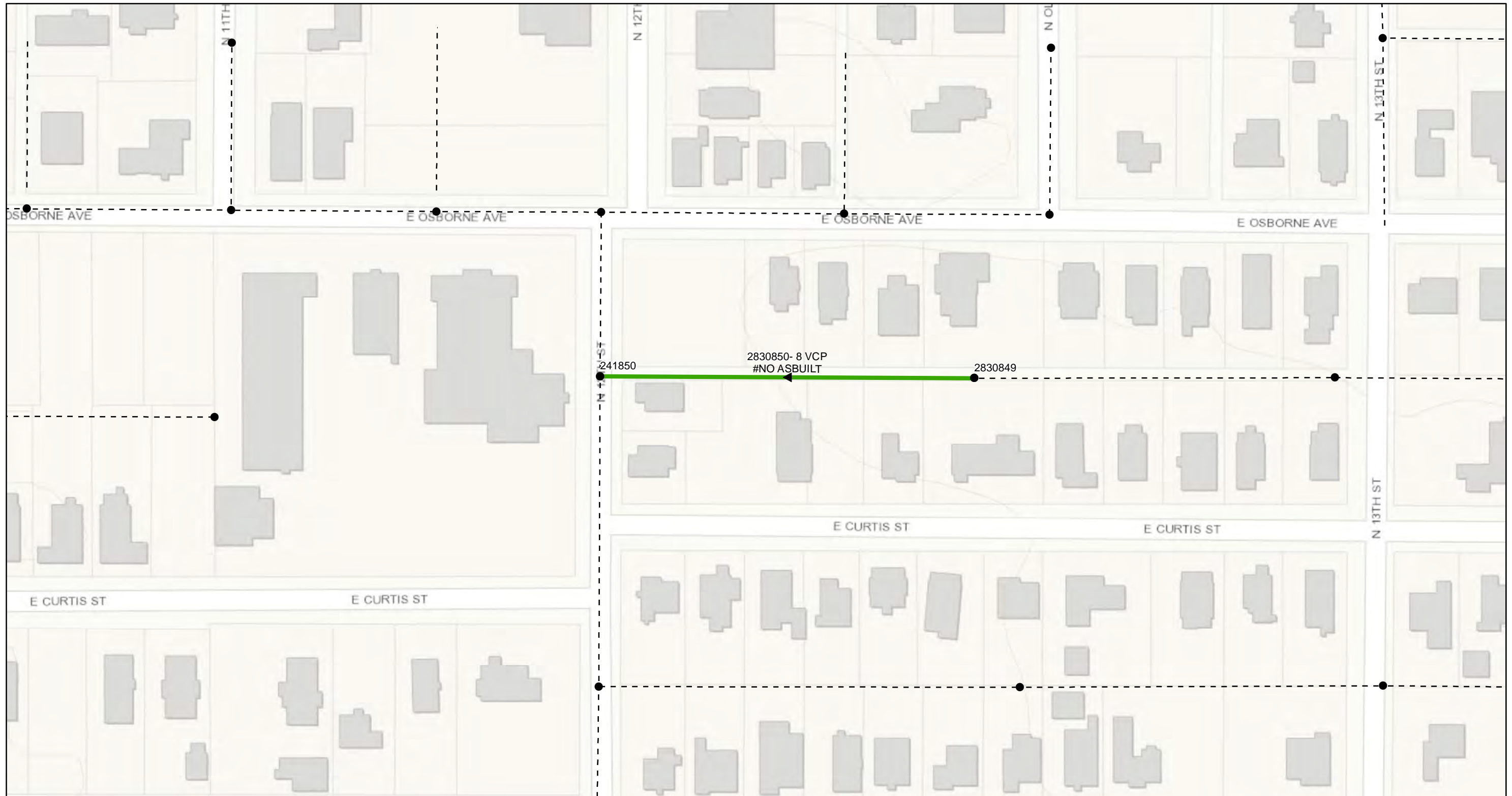
**Legend**

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- PS Private Pump Station
- ➔ Proposed Lining Area
- - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**15**





**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
**City of Tampa Wastewater Department**

**Legend**

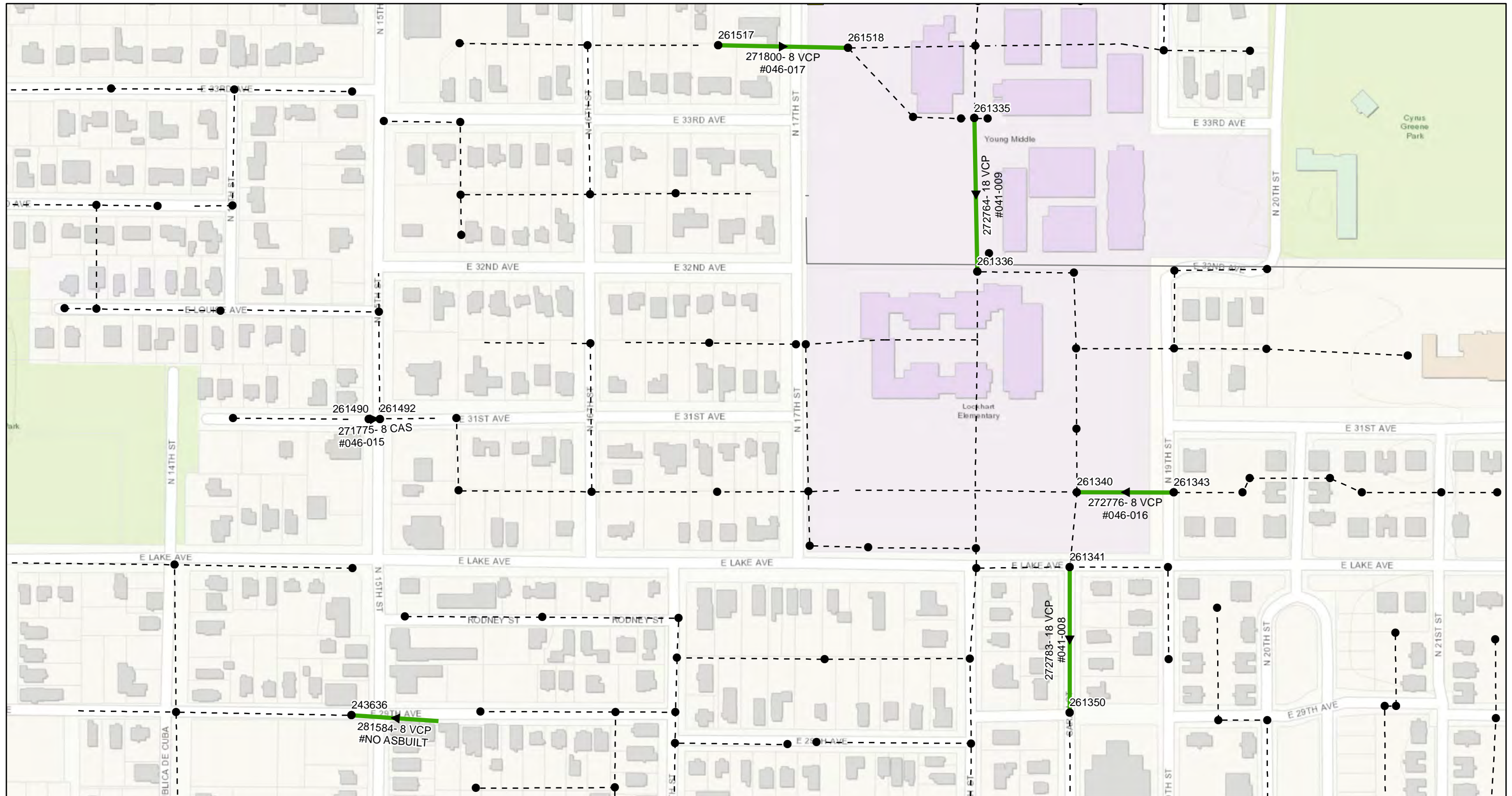
- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- - - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**16**







# FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation

City of Tampa Wastewater Department

## Legend

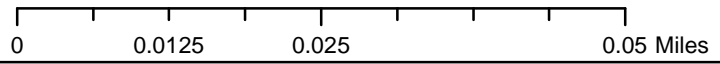
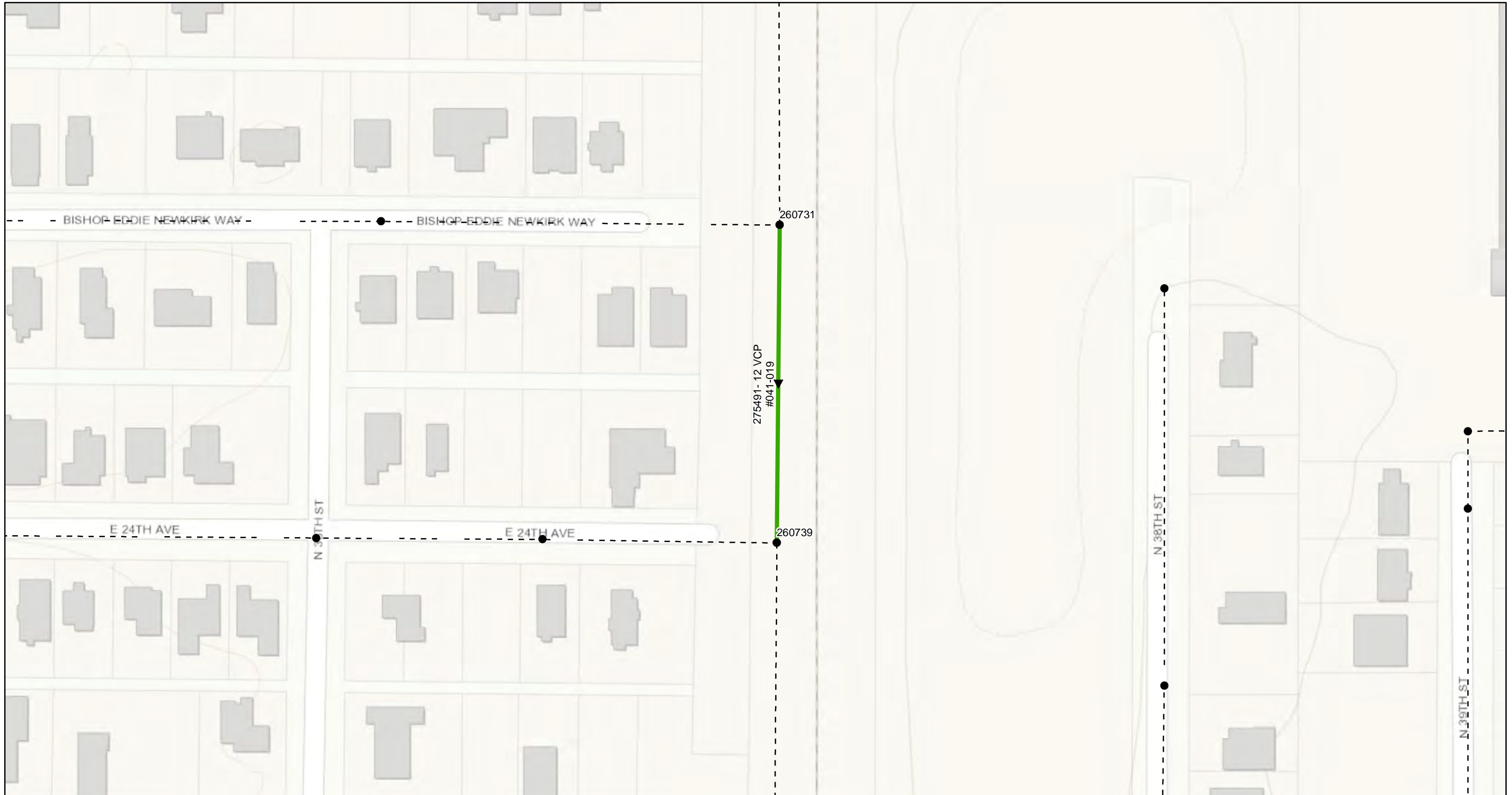
- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.

**17**





**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
**City of Tampa Wastewater Department**

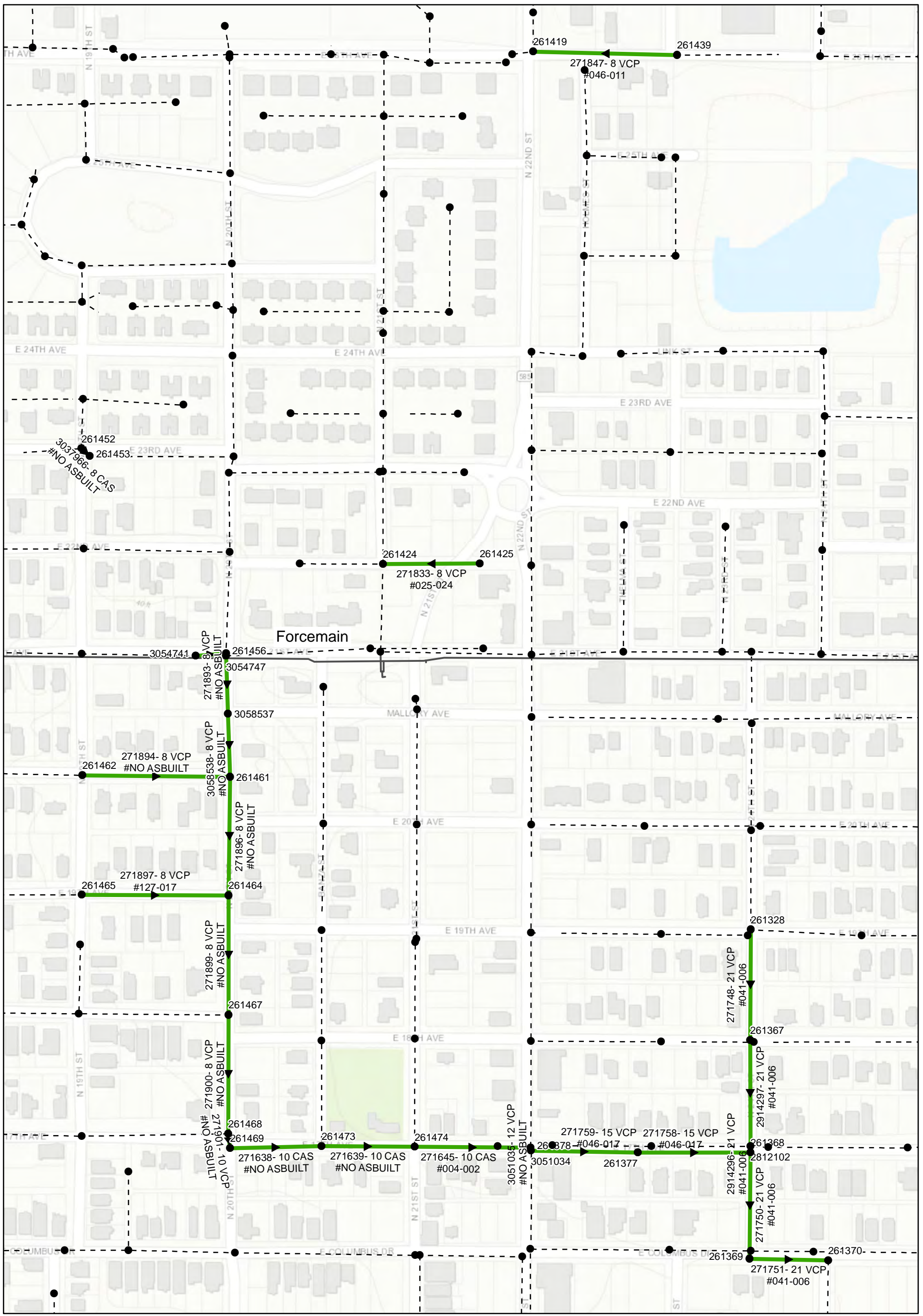
**Legend**

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- - - - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**18**





0 0.075 0.15 0.3 Miles

# FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation

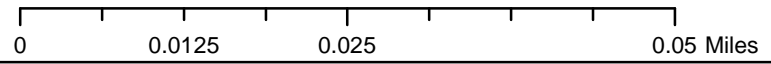
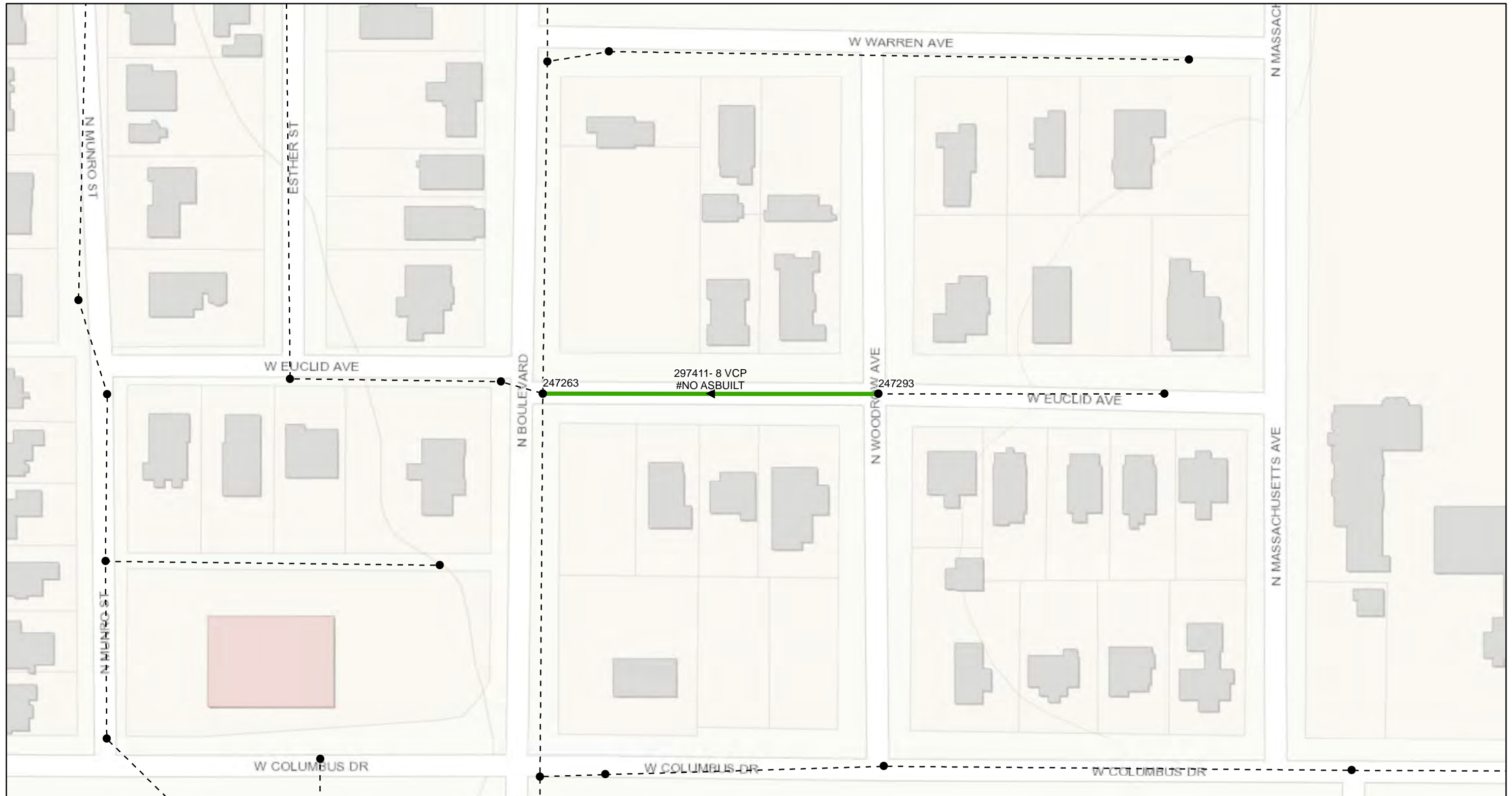
City of Tampa Wastewater Department

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**19**





**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
**City of Tampa Wastewater Department**

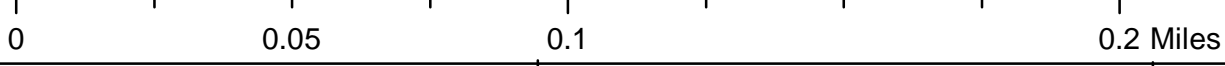
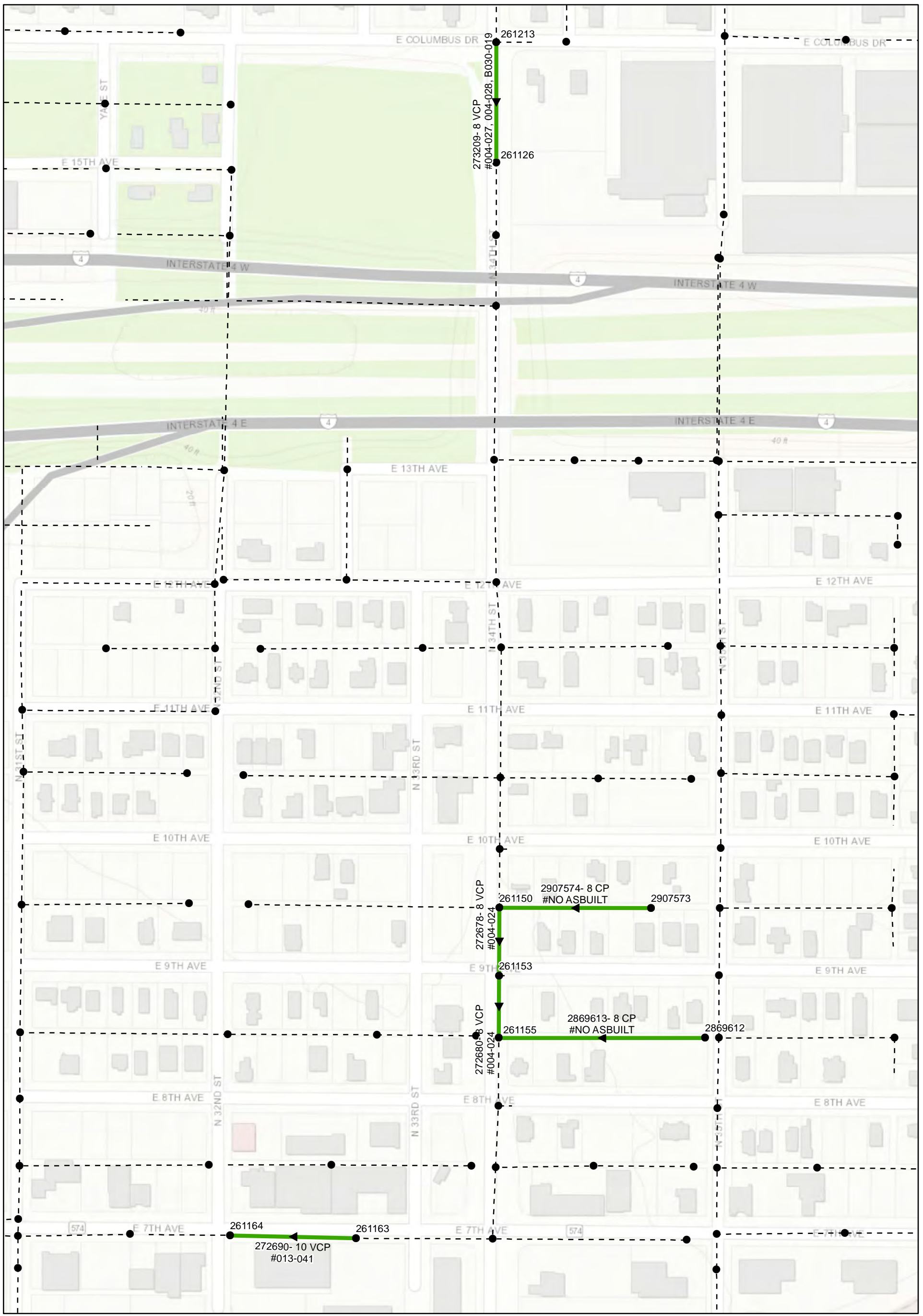
**Legend**

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**20**





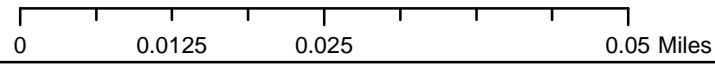
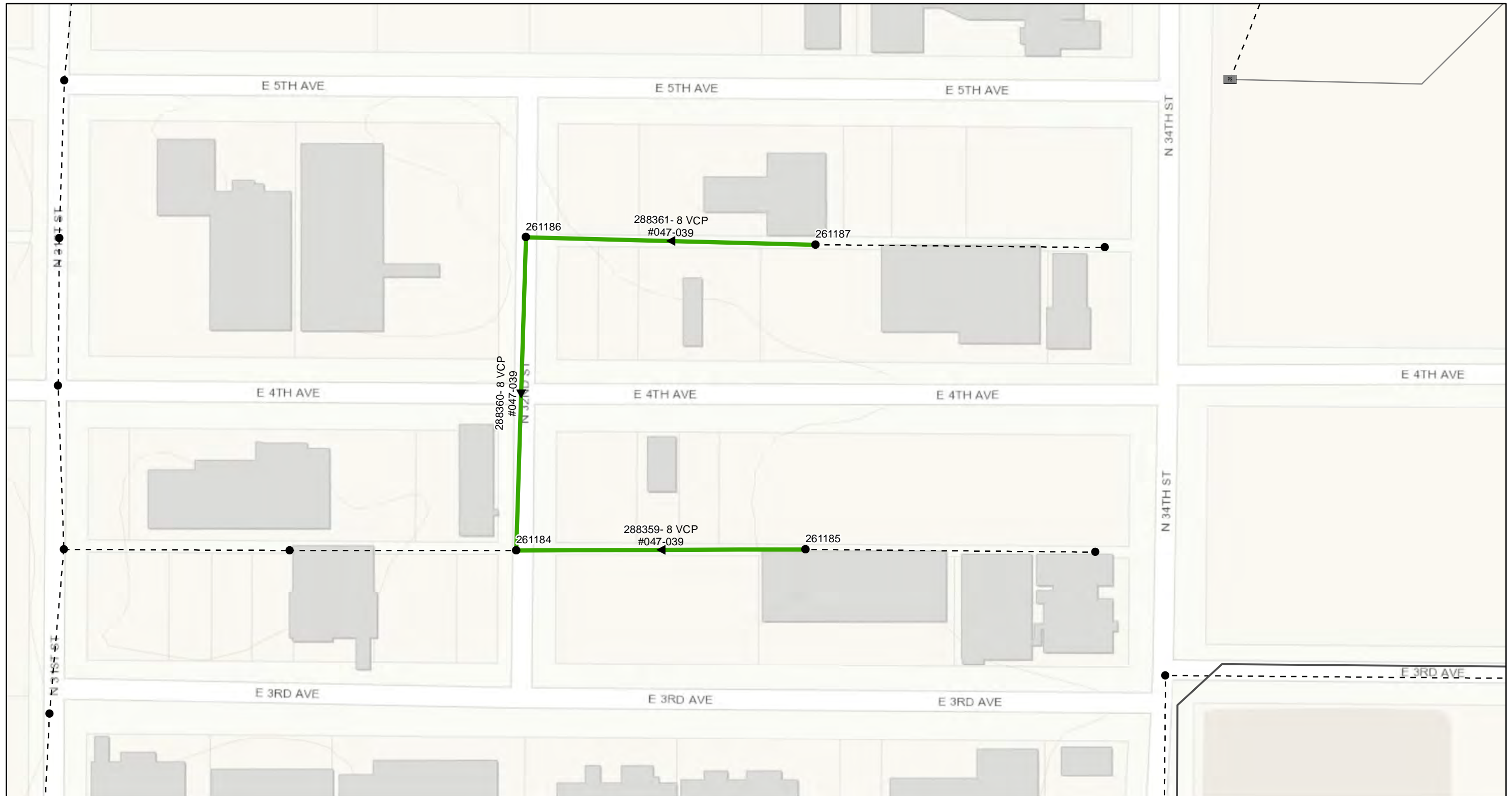
**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
 City of Tampa Wastewater Department

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- PPS Private Pump Station
- ➔ Proposed Lining Area
- - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**21**





**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
**City of Tampa Wastewater Department**

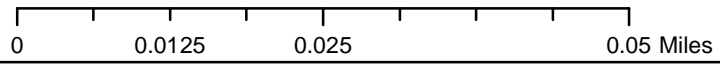
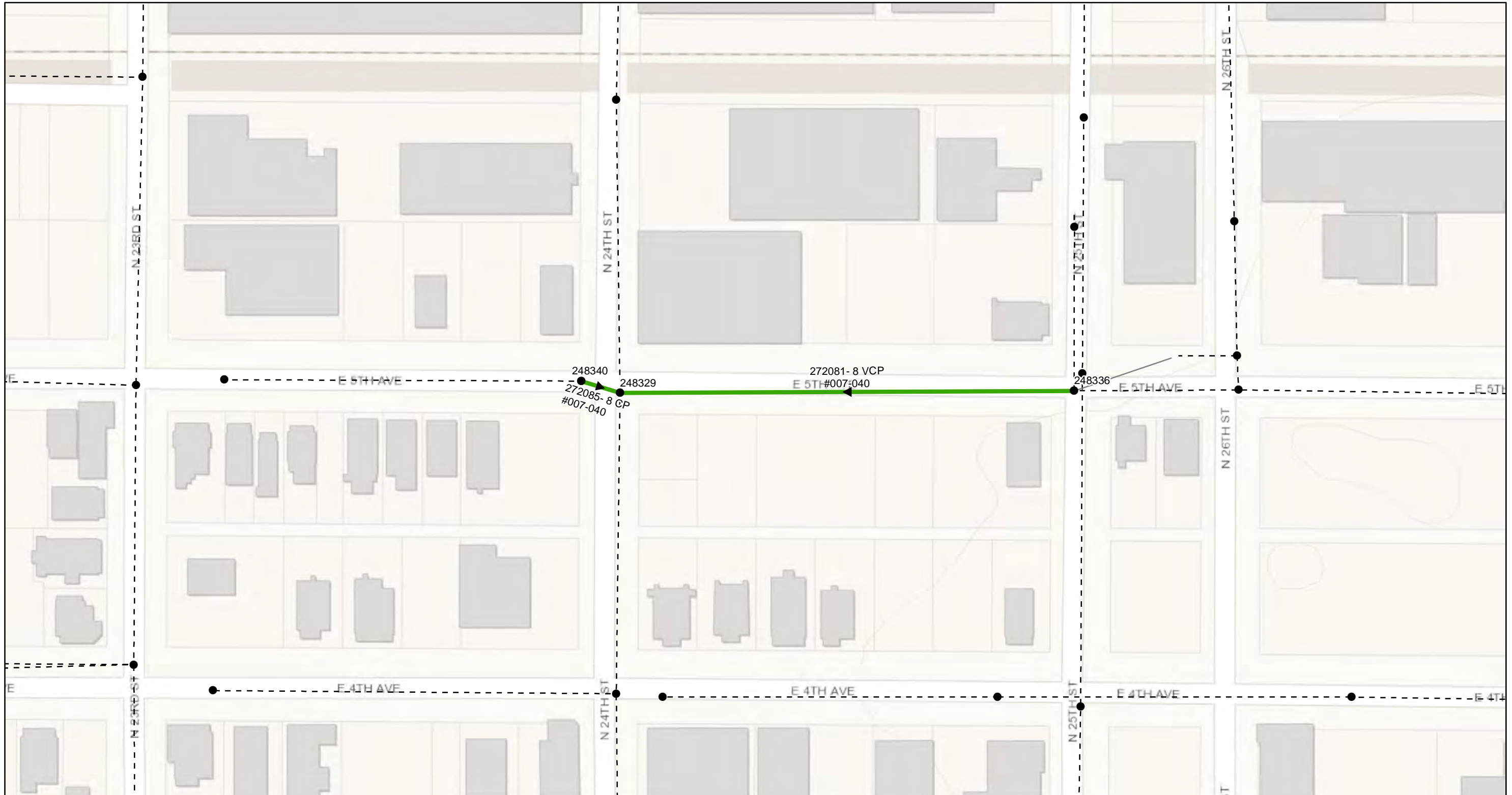
**Legend**

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- PS Private Pump Station
- ➔ Proposed Lining Area
- Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**22**





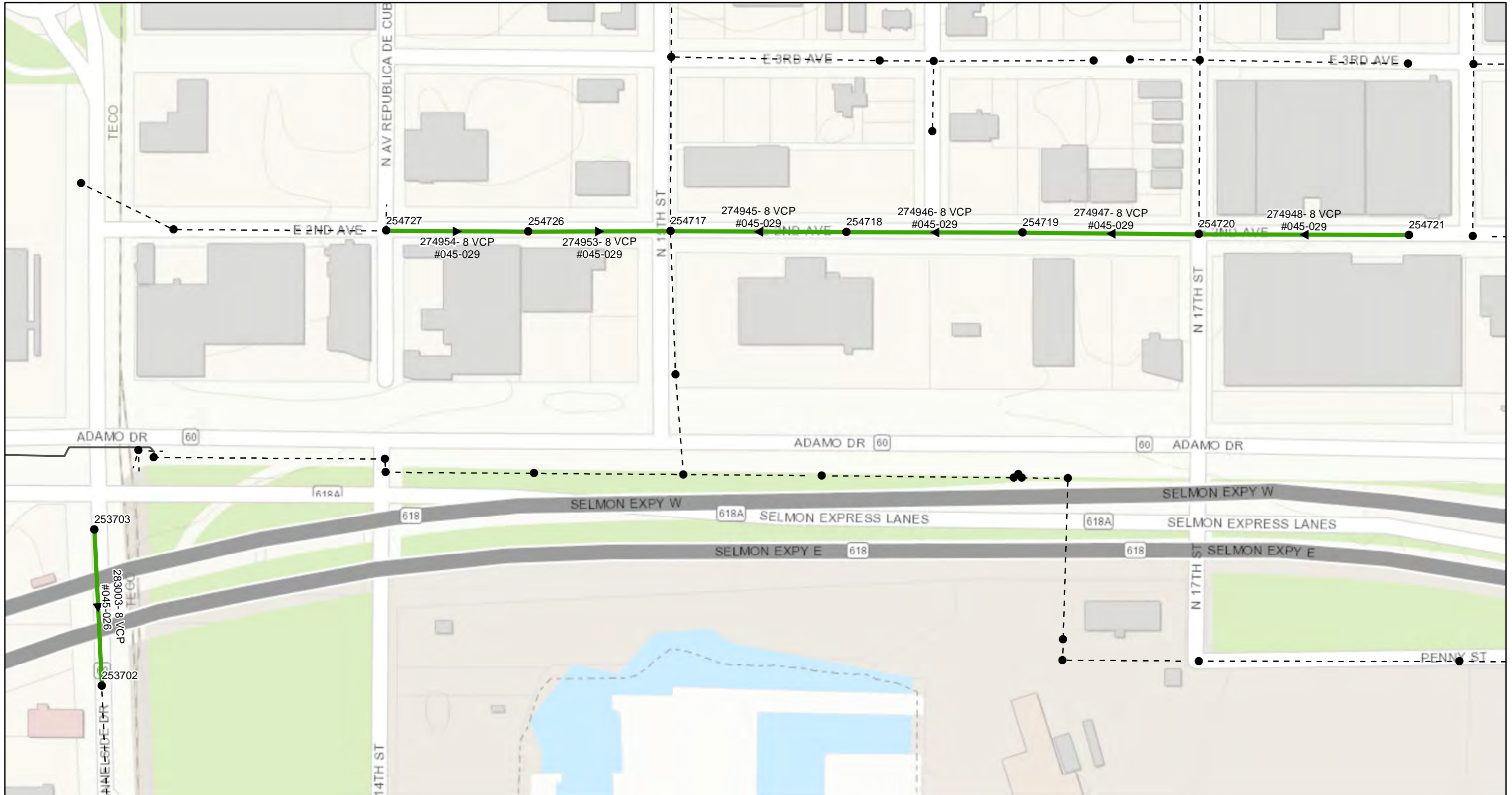
**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
**City of Tampa Wastewater Department**

Legend	
●	Ex Manhole (no rehabilitation required)
PS	Pump Station
■	Private Pump Station
→	Proposed Lining Area
- - -	Ex Wastewater (no rehabilitation required)
—	Wastewater Force Main
—	Private Wastewater Force Main



Sheet No.  
**23**





**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
**City of Tampa Wastewater Department**

**Legend**

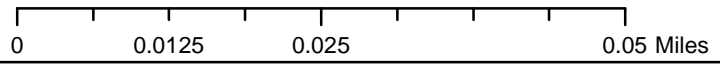
- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- Proposed Lining Area
- - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**24**







**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
**City of Tampa Wastewater Department**

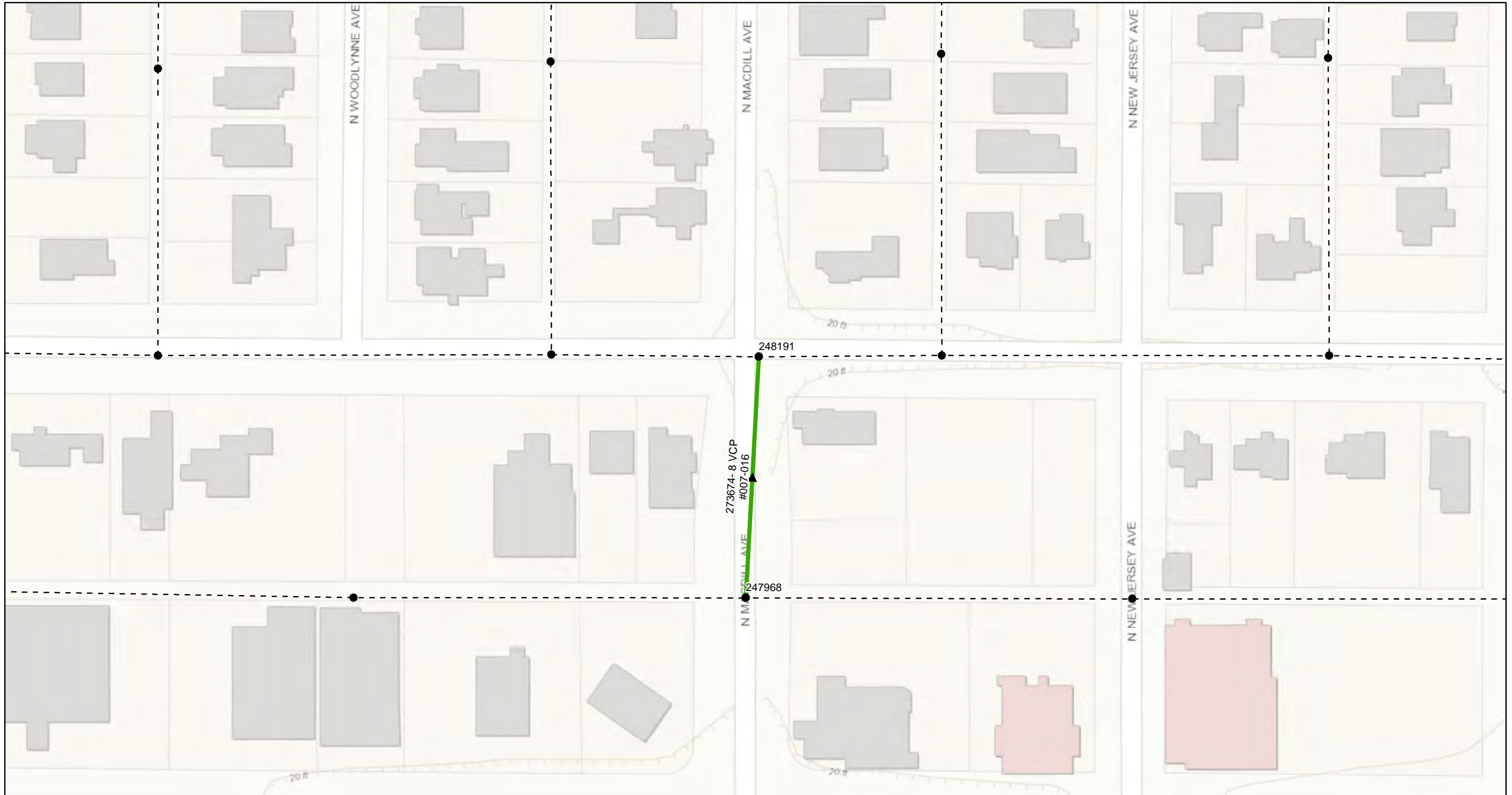
**Legend**

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- Proposed Lining Area
- - - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**25**





**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
**City of Tampa Wastewater Department**

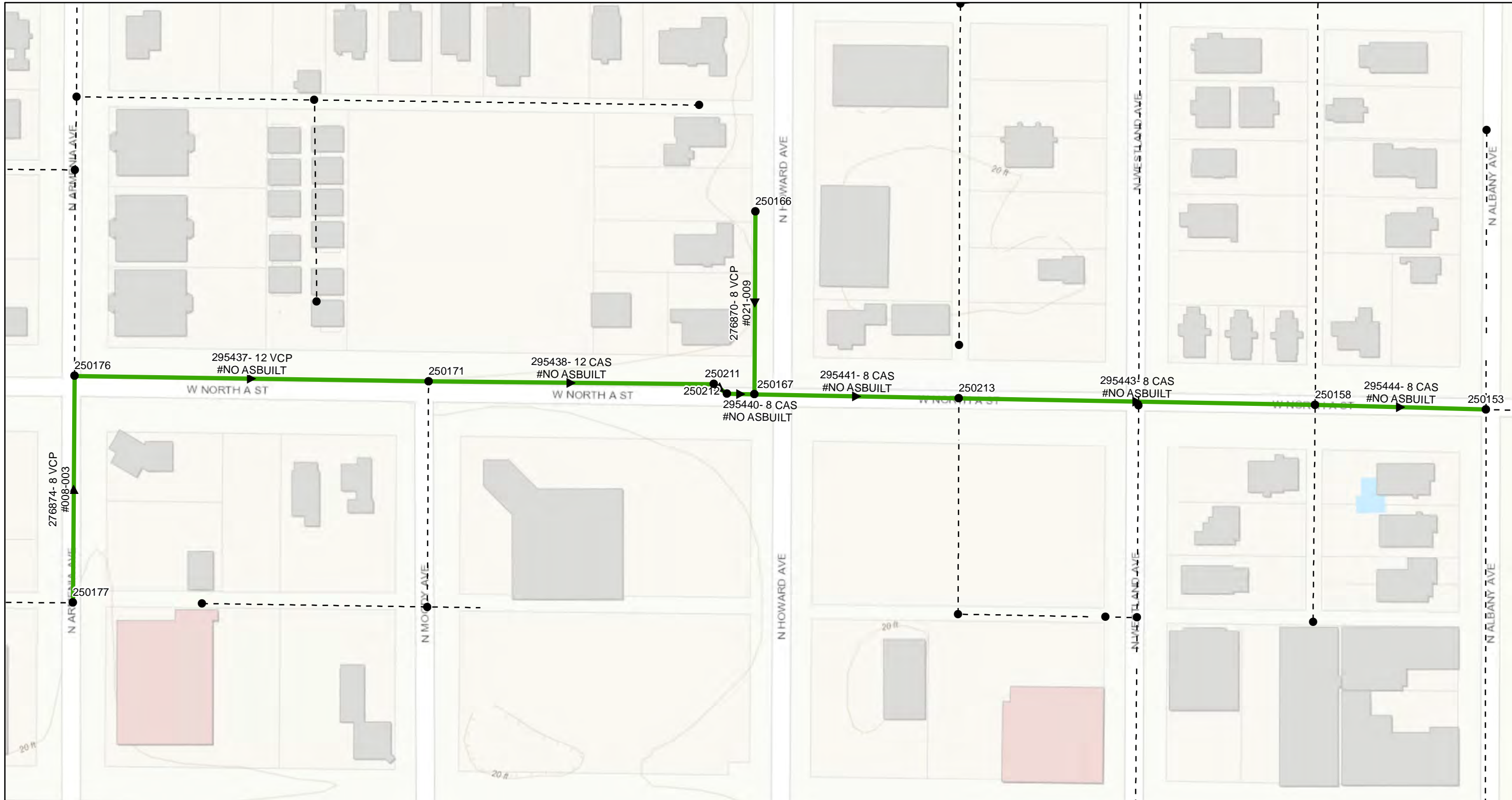
**Legend**

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**26**





**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
 City of Tampa Wastewater Department

**Legend**

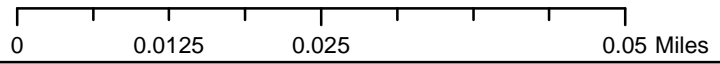
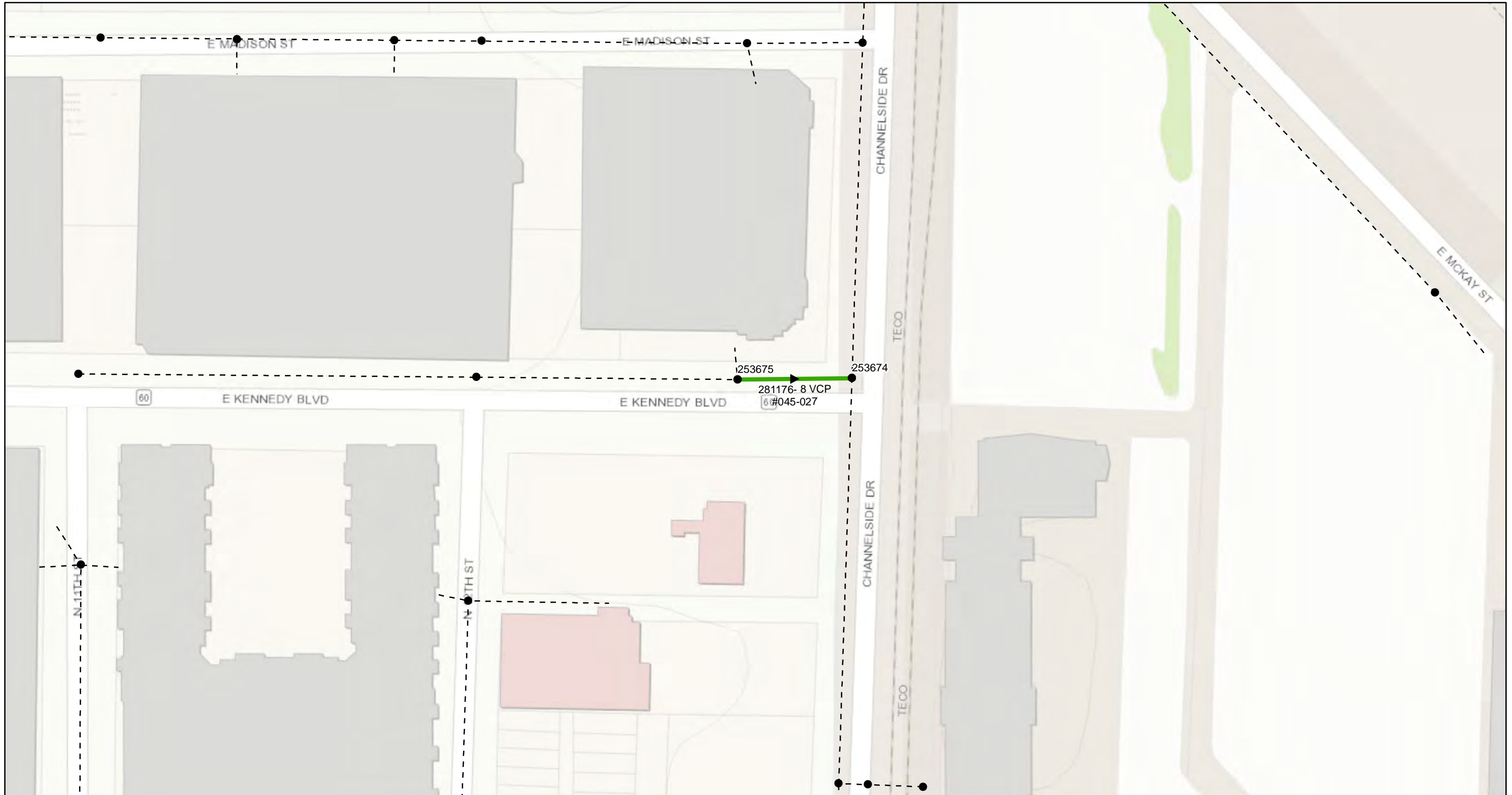
- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.

**27**





**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
**City of Tampa Wastewater Department**

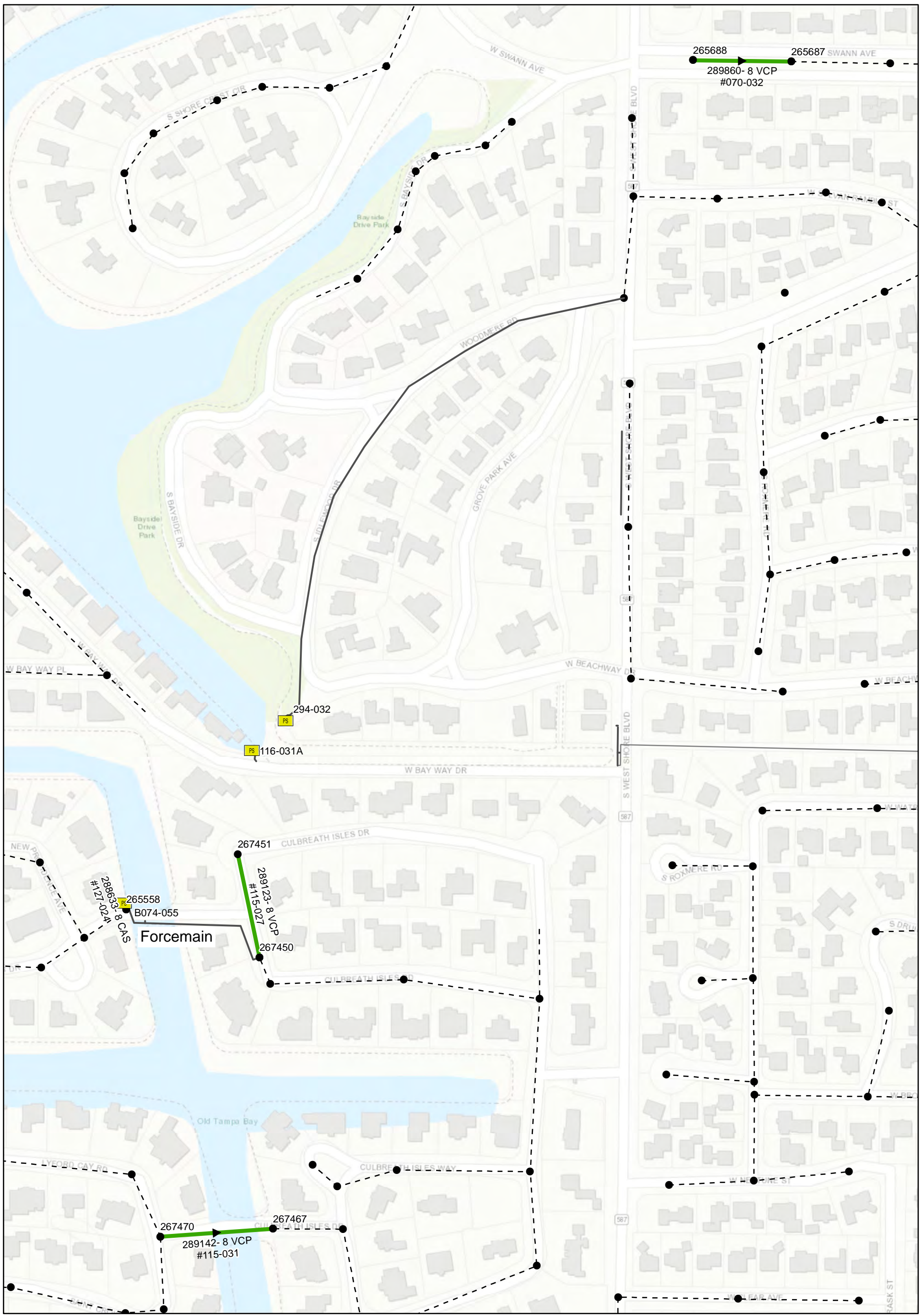
**Legend**

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- PS Private Pump Station
- Proposed Lining Area
- - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**28**





0 0.075 0.15 0.3 Miles

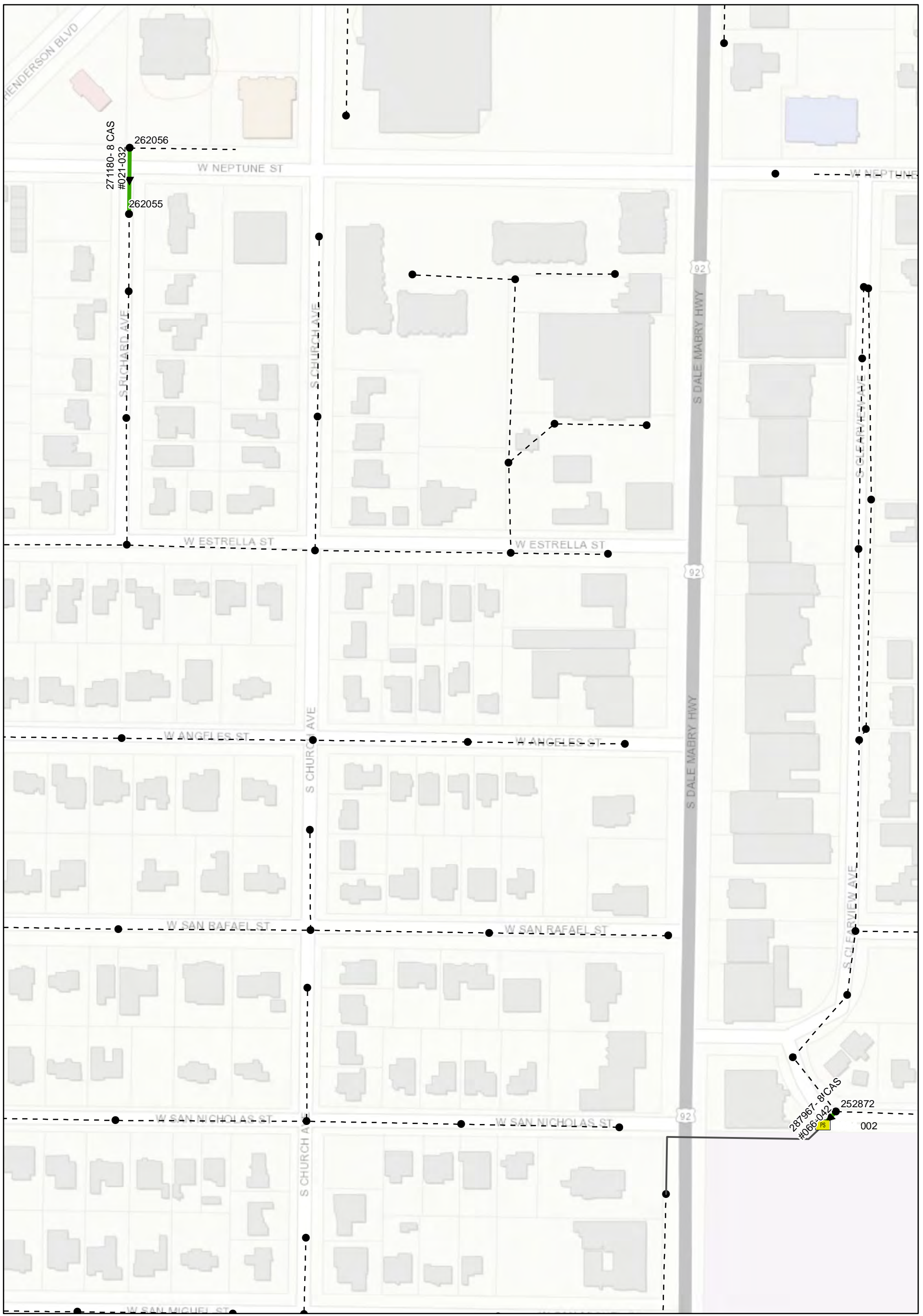
**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
 City of Tampa Wastewater Department

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**29**





0 0.05 0.1 0.2 Miles

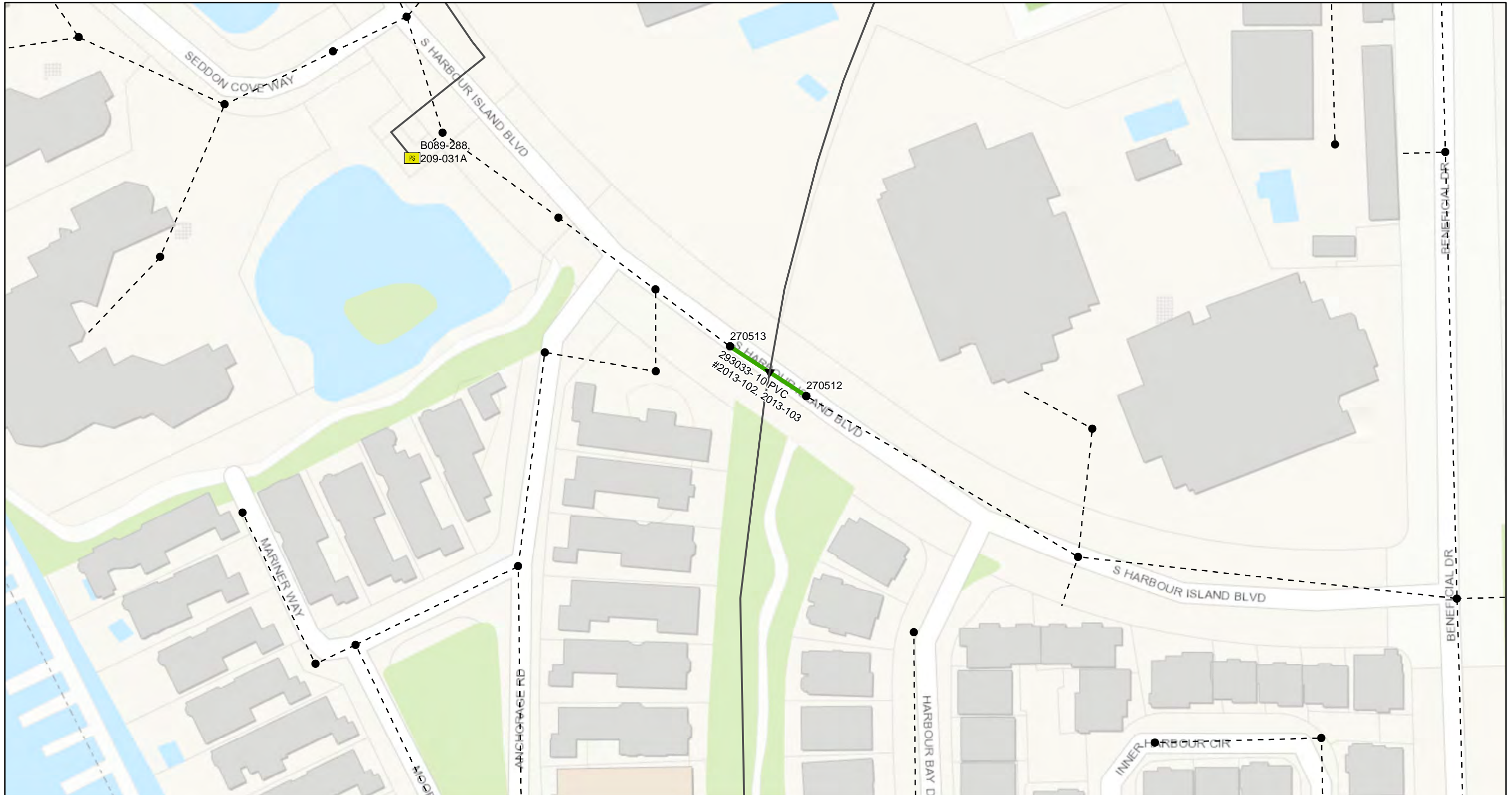
**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
 City of Tampa Wastewater Department

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**30**





0 0.0125 0.025 0.05 Miles

# FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation

City of Tampa Wastewater Department

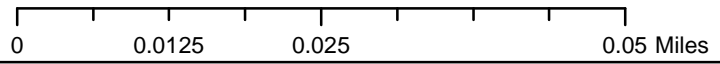
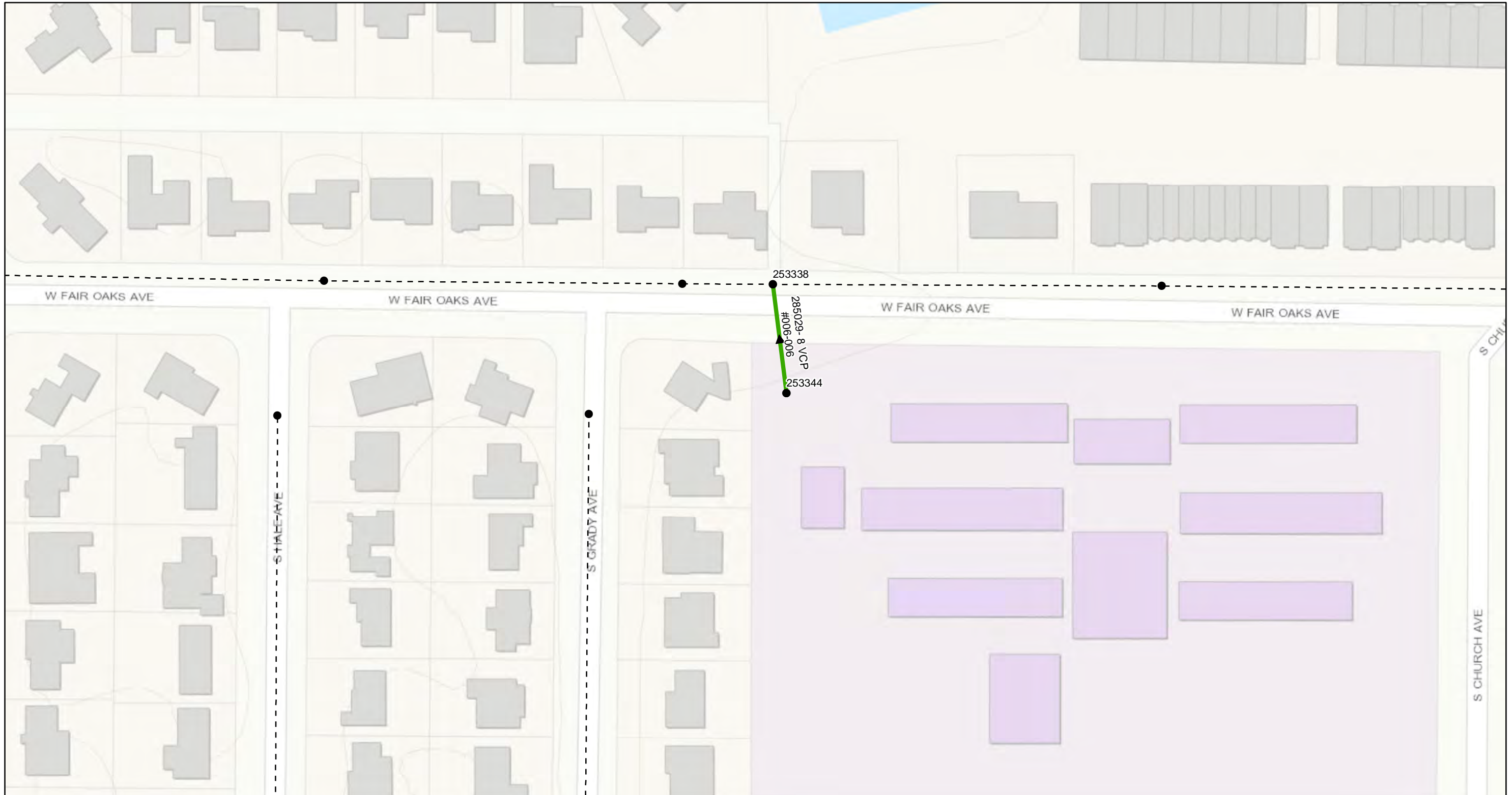
## Legend

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**31**





**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
**City of Tampa Wastewater Department**

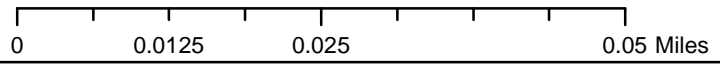
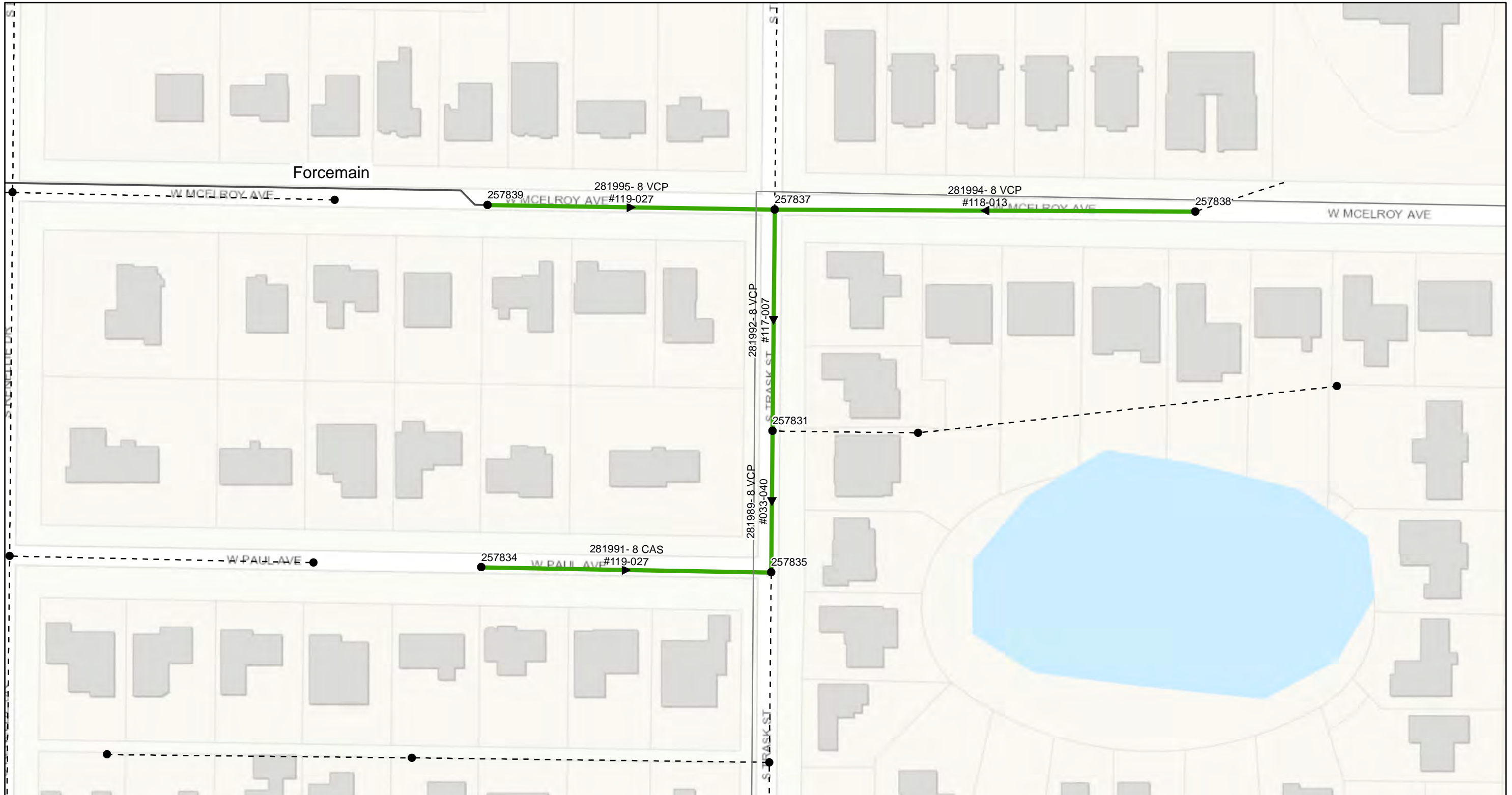
Legend	
●	Ex Manhole (no rehabilitation required)
PS	Pump Station
PS	Private Pump Station
→	Proposed Lining Area
---	Ex Wastewater (no rehabilitation required)
—	Wastewater Force Main
—	Private Wastewater Force Main



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**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
 City of Tampa Wastewater Department

Legend	
●	Ex Manhole (no rehabilitation required)
PS	Pump Station
PS	Private Pump Station
→	Proposed Lining Area
- - -	Ex Wastewater (no rehabilitation required)
—	Wastewater Force Main
- - -	Private Wastewater Force Main



Sheet No.  
**33**





0 0.0125 0.025 0.05 Miles

**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
**City of Tampa Wastewater Department**

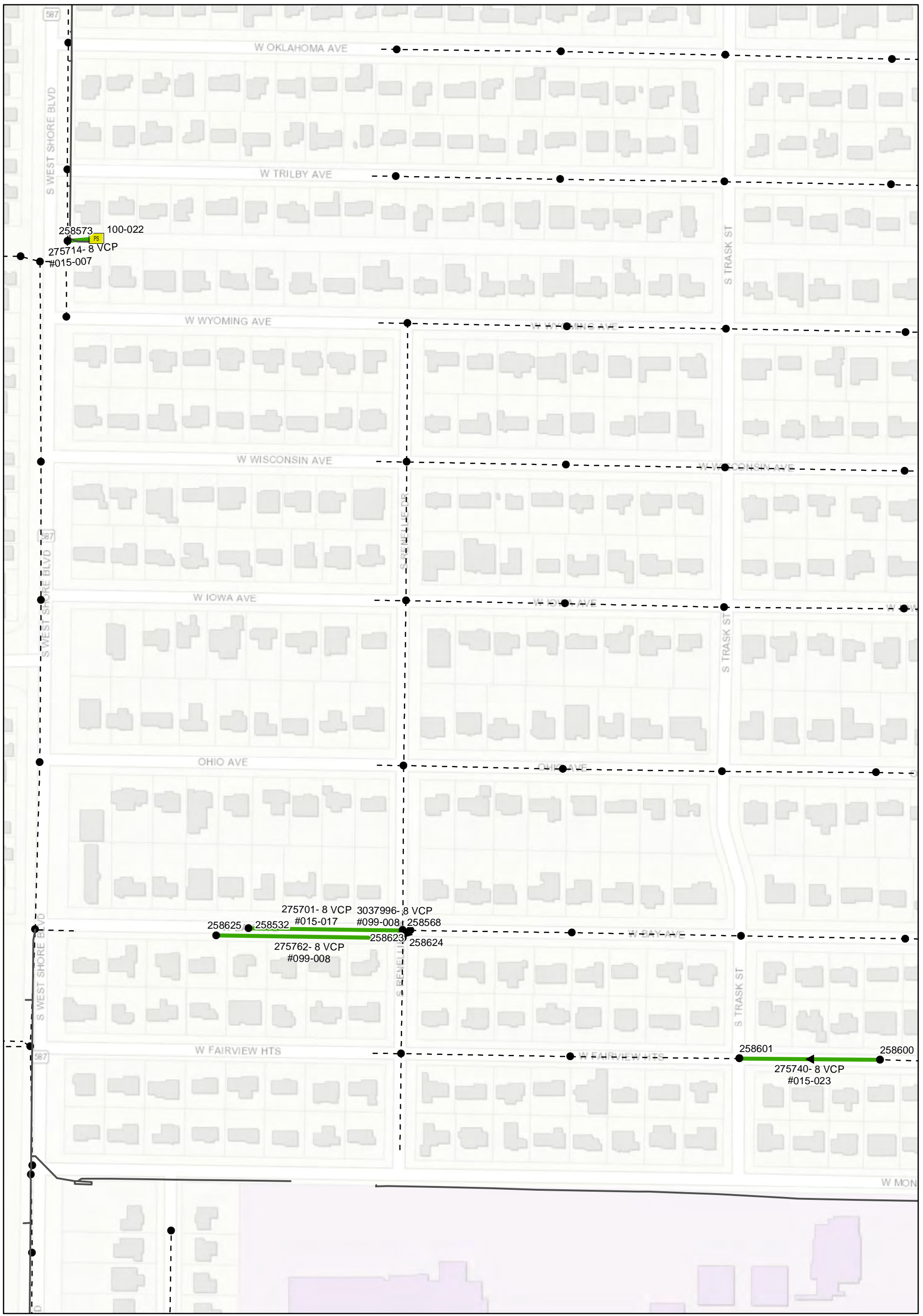
**Legend**

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- Proposed Lining Area
- Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



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**34**





258573 100-022  
 275714-8 VCP  
 #015-007

258625 258532 275701-8 VCP #015-017  
 275762-8 VCP #099-008  
 3037996-8 VCP #099-008 258568  
 258623 258624

258601 258600  
 275740-8 VCP #015-023

0 0.05 0.1 0.2 Miles

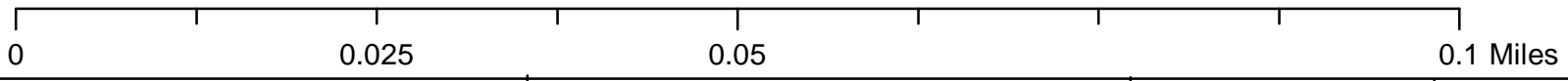
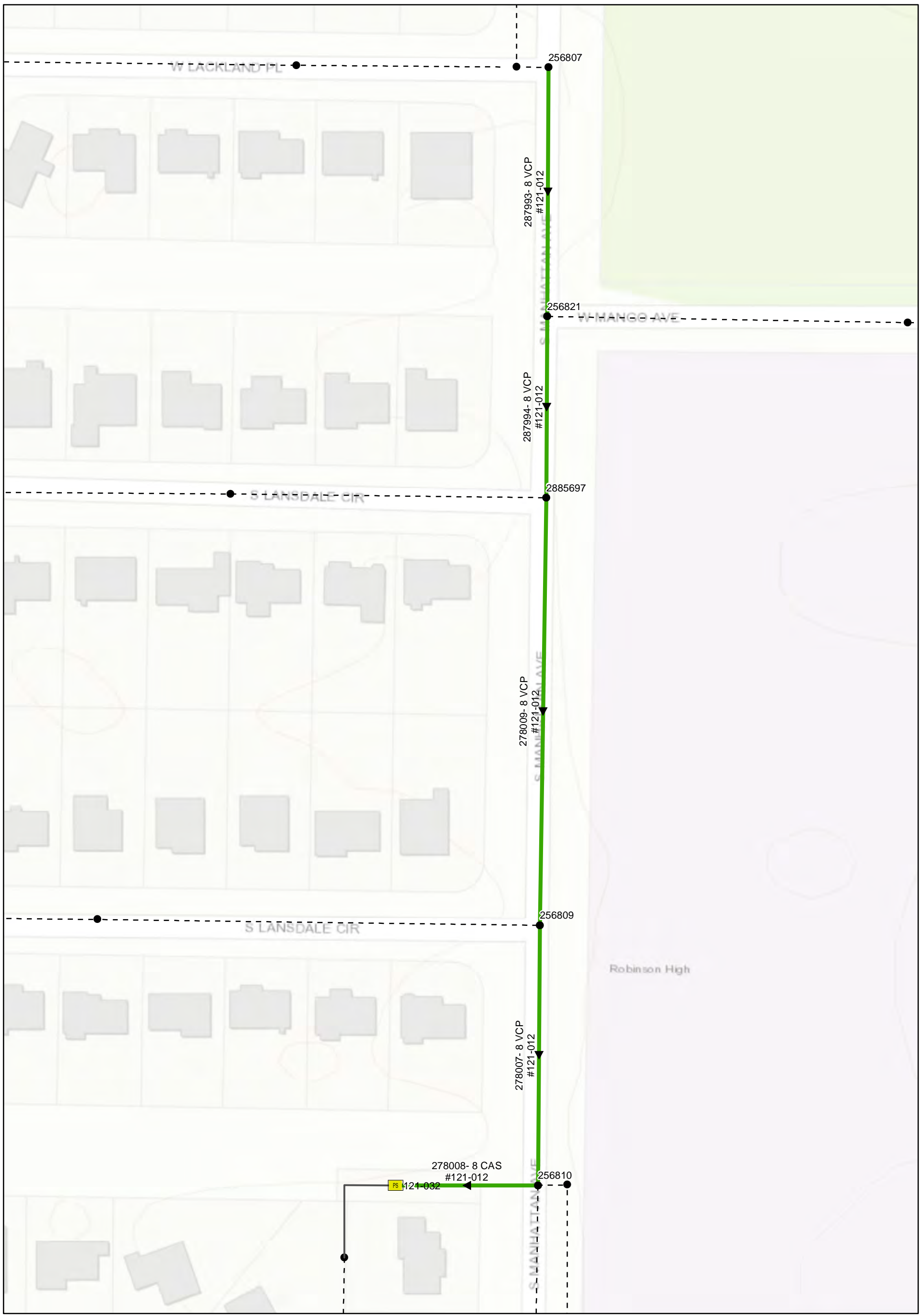
**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
 City of Tampa Wastewater Department

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- PS Private Pump Station
- ➔ Proposed Lining Area
- - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**35**





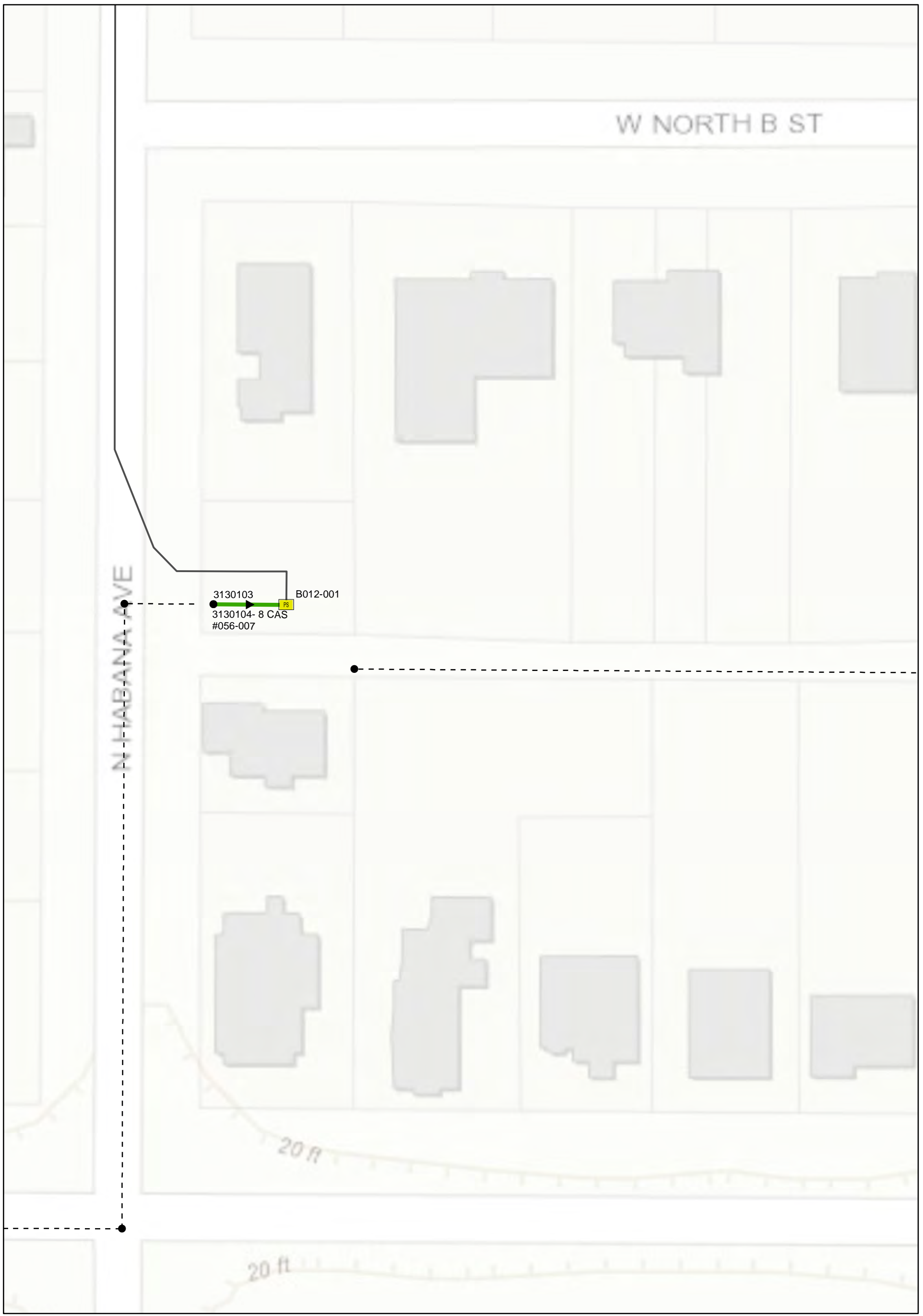
**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
 City of Tampa Wastewater Department

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**36**





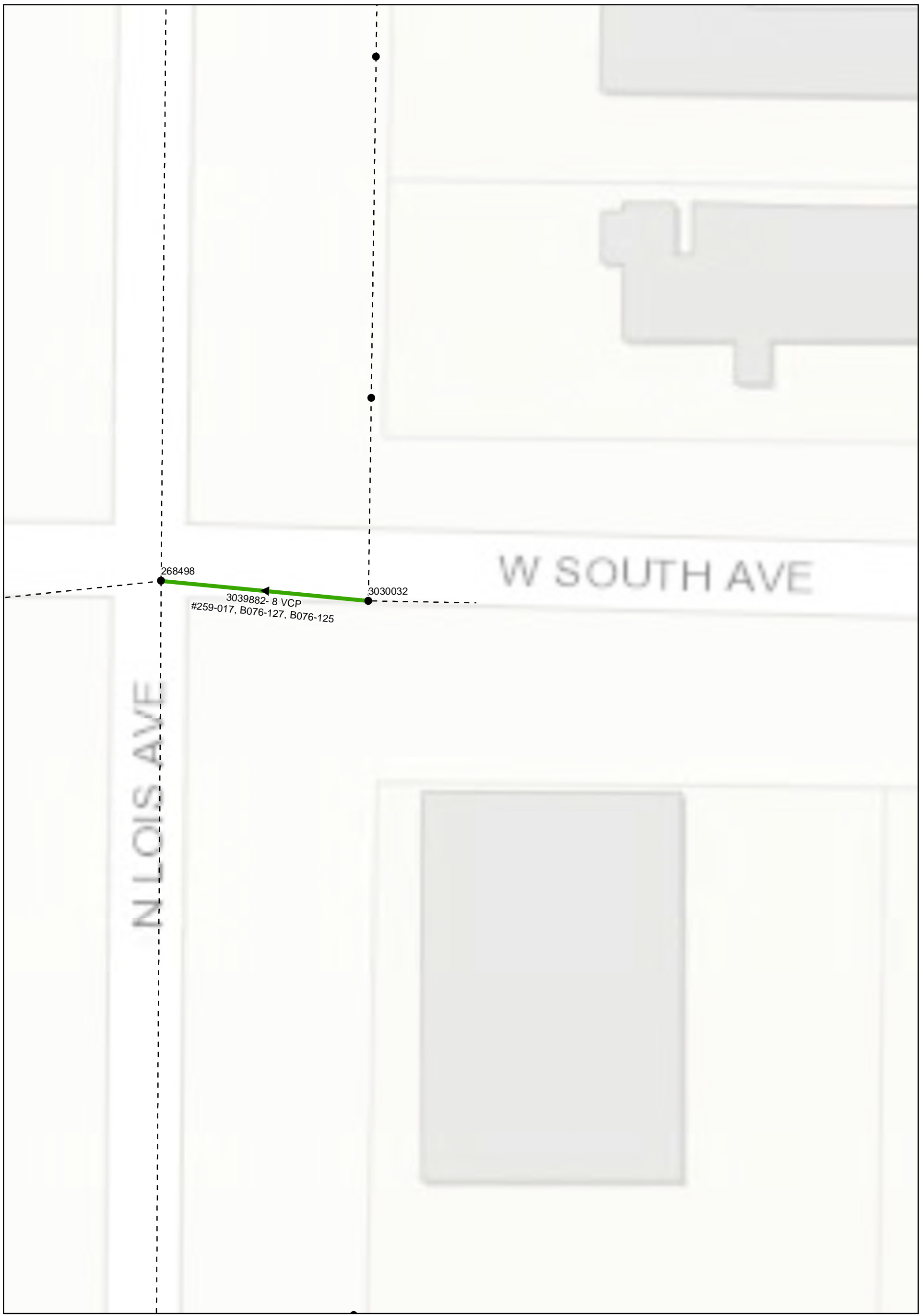
**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
 City of Tampa Wastewater Department

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**37**





**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
 City of Tampa Wastewater Department

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



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**38**





0 0.01 0.02 0.04 Miles

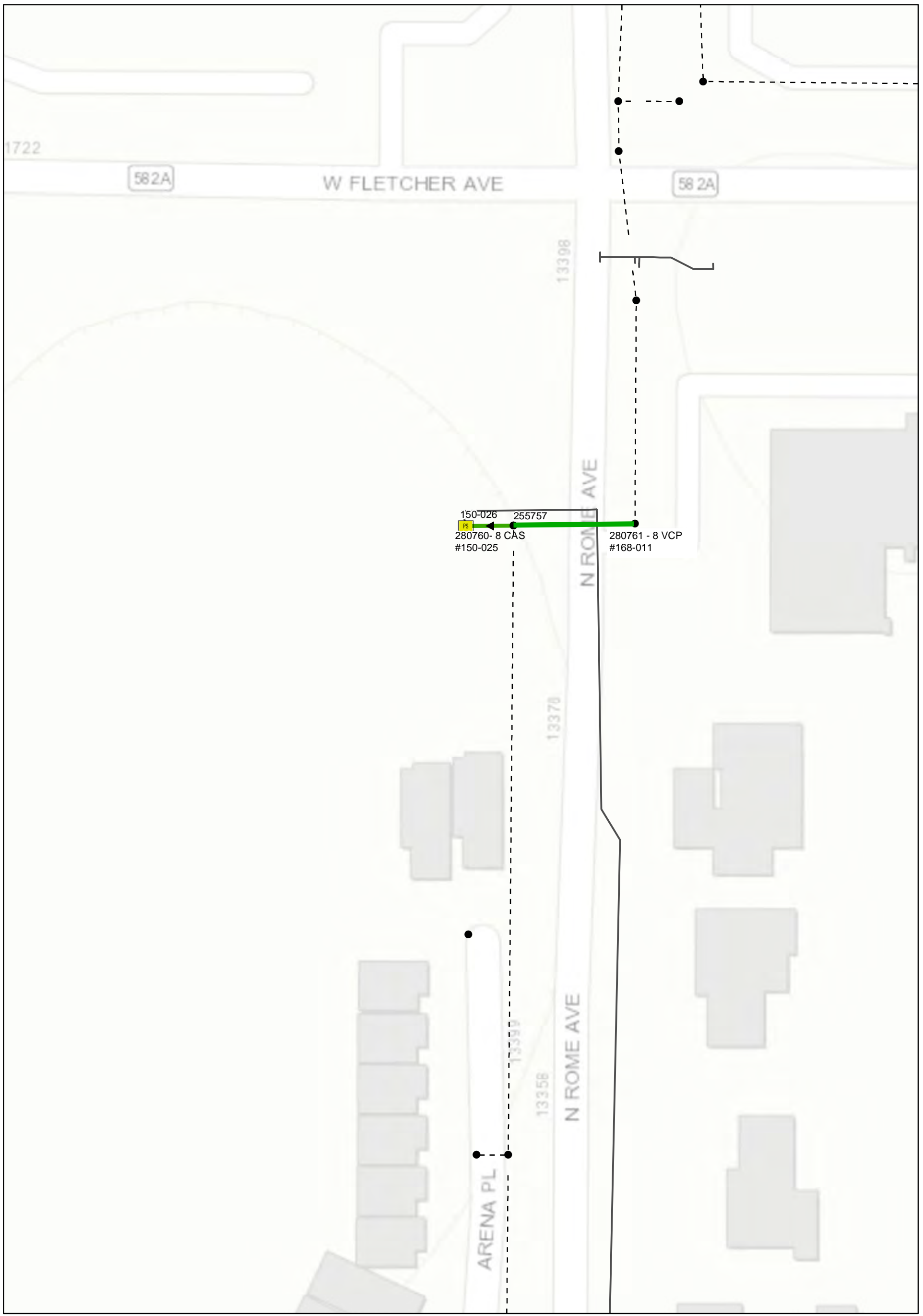
**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
 City of Tampa Wastewater Department

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- Private Pump Station
- ➔ Proposed Lining Area
- - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



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**39**





0 0.0175 0.035 0.07 Miles

**FY21 Wastewater Tuberculated Gravity Pipeline Rehabilitation**  
 City of Tampa Wastewater Department

- Ex Manhole (no rehabilitation required)
- PS Pump Station
- PS Private Pump Station
- ➔ Proposed Lining Area
- - - Ex Wastewater (no rehabilitation required)
- Wastewater Force Main
- Private Wastewater Force Main



Sheet No.  
**40**

