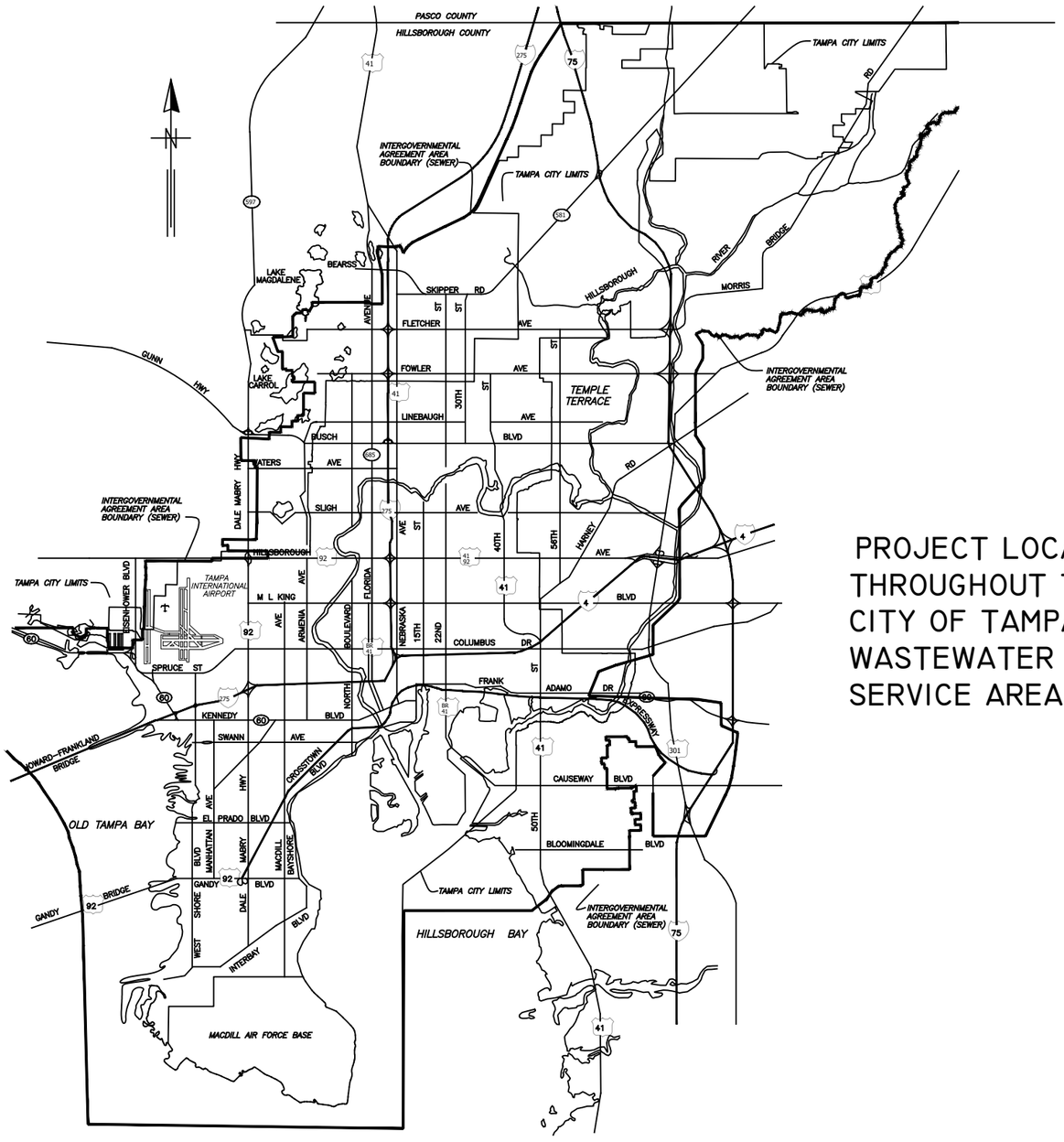
LOCATION MAP



PROJECT LOCATED THROUGHOUT THE CITY OF TAMPA WASTEWATER SERVICE AREA

CITY of TAMPA

CITY OF TAMPA FLORIDA • ORGANIZED JULY 15 1887 • MASCOTTE

WASTEWATER DEPARTMENT

PLANS FOR

FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

CONTRACT NO.
25-C-00007

NOTE:
ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

#	DATE	REVISIONS
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DES: CB
DRN: MRL
CKD:
DATE:

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

CITY of TAMPA
WASTEWATER DEPARTMENT

FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION
COVER SHEET

SHEET 1

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GENERAL NOTES

1. THE SCOPE OF THIS PROJECT SHALL CONSIST OF REHABILITATION OF 8", 10", 12", 15", 18" AND 24" DIA WASTEWATER PIPELINE BY 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 AND ARE BASED ON RECORD DRAWINGS.

3. SHEETS 33–111 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. 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 24" SEWER SHALL BE 12MM THICKNESS.

8. CONTRACTOR SHALL RESTORE ALL LANDSCAPING, SODDING, SPRINKLER SYSTEM PIPING AND PAVEMENT THAT MAY HAVE BEEN DAMAGED DURING CONSTRUCTION TO ITS ORIGINAL CONDITION OR BETTER.

9. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH WASTEWATER PERSONNEL AND PUMPING STATION OPERATIONS.

10. OSHA STANDARD EQUIPMENT SUCH AS SAFETY HARNESSES, GAS MONITORS, LOWER EXPLOSIVE LIMIT (LEL) DETECTORS, BREATHING APPARATUS, ETC. SHALL BE UTILIZED WHERE THE WORK DICTATES THEIR USE.

11. DURING THE MANHOLE'S INTERIOR CLEANING OPERATION, THE CONTRACTOR MUST PROVIDE A MEANS OF CAPTURING AND DISPOSING OF THE REMOVED DEBRIS. THIS METHOD SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.

12. 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.

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)

BYPASS PUMPING NOTES

1. 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.

2. BYPASS PUMPS SHALL BE CAPABLE OF DELIVERING 300 GPM FOR 8", 600 GPM FOR 10", 800 GPM FOR 12", 1450 GPM FOR 15", 1,550 GPM FOR 18" AND 2,000 GPM FOR 21". 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.

3. MINIMUM TANKER STORAGE CAPACITY SHALL NOT BE LESS THAN 5,000 GALLONS.

4. ANY CITY OWNED PUMP STATION SHUT DOWN OR VALVE TURNING REQUIRES ADVANCED COORDINATION WITH CITY STAFF. CONTRACTOR SHALL PROVIDE A MINIMUM 2 WEEKS ADVANCED NOTICE BEFORE ANY CITY OWNED PUMP STATION SHUT DOWN OR BYPASS SYSTEM START–UP.

5. ALL BYPASS PUMPING SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS.

INDEX	
SHEET #	SHEET NAME
1	COVER SHEET
2	NOTE AND INDEX
3	OVERVIEW LOCATION MAP
4-32	AREA MAPS
33-111	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.

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JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

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CITY of TAMPA
WASTEWATER DEPARTMENT

FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

NOTES & INDEX

SHEET 2

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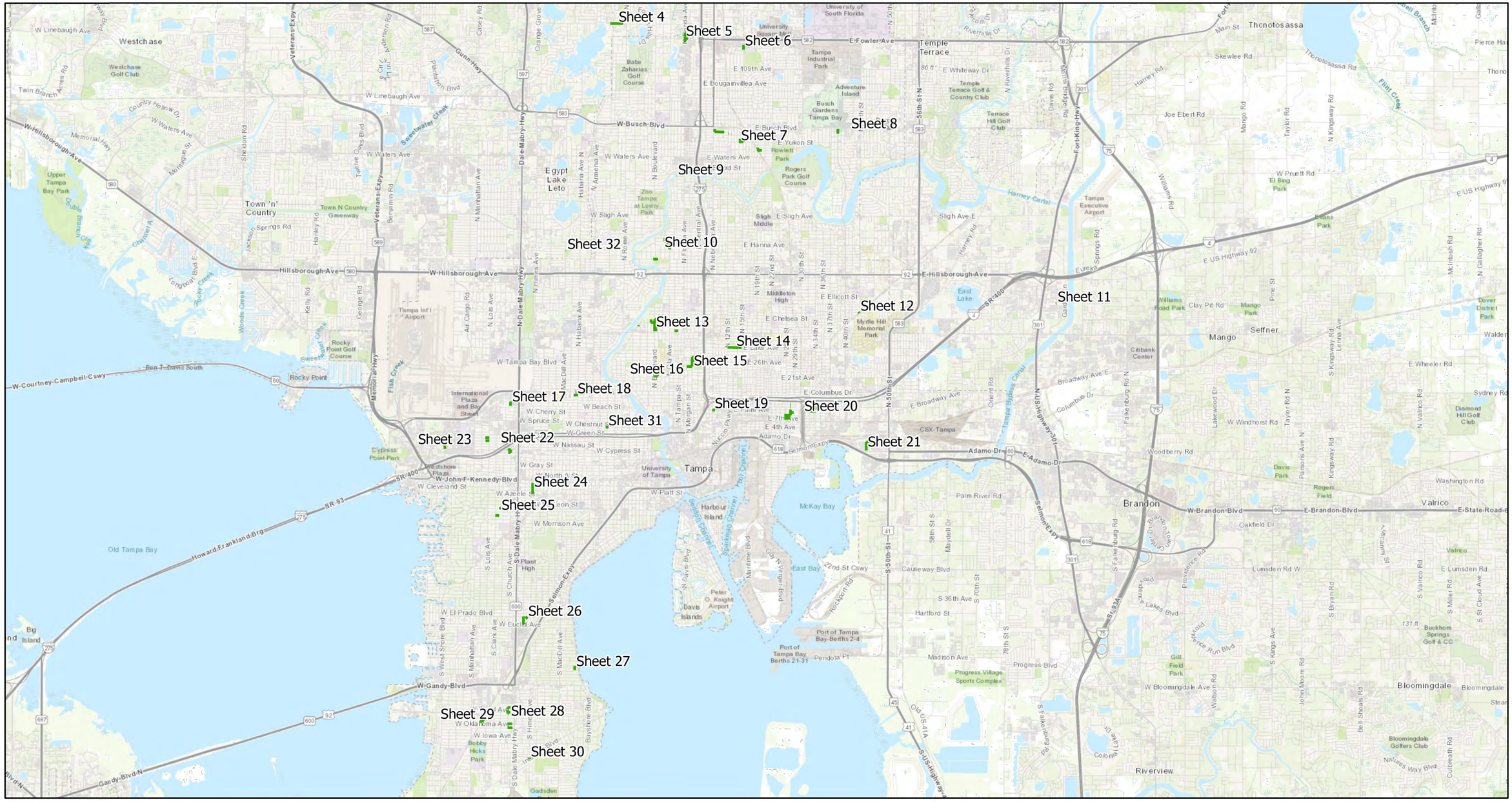

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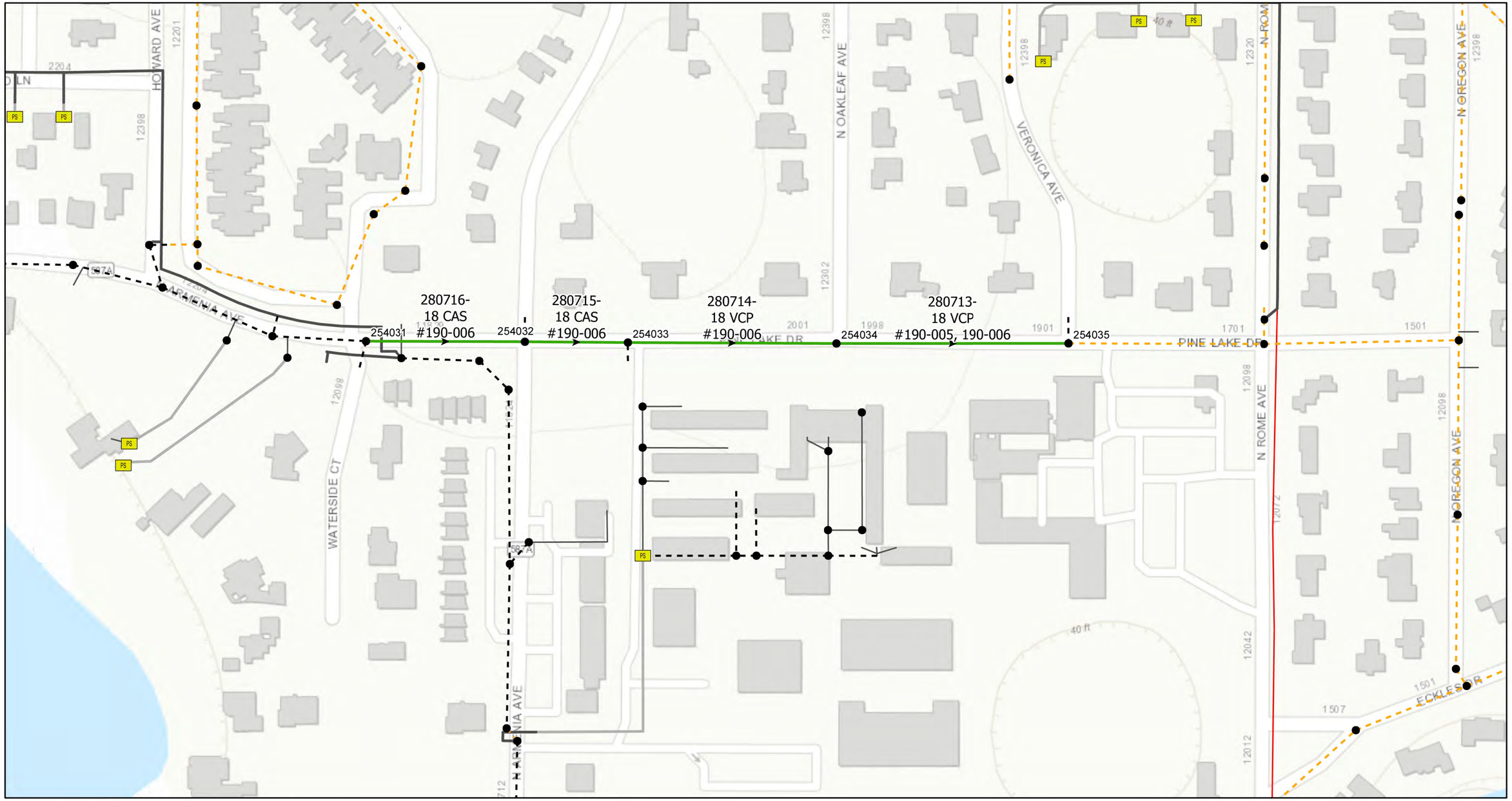
FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

OVERVIEW LOCATION MAP

SHEET 3



Legend

- Proposed Manhole Rehabilitation
- Ex Manhole (no rehabilitation required)
- Ex. Pump Station
- Proposed Lining Area
- Ex Gravity Main (No Rehabilitation Required)
- Ex Gravity Main (CIPP Lined or PVC)
- Ex Pressurized Main (No Rehabilitation Required)
- Pressurized Main, Out of Service
- Gravity Main, Out of Service

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FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 1

SHEET 4

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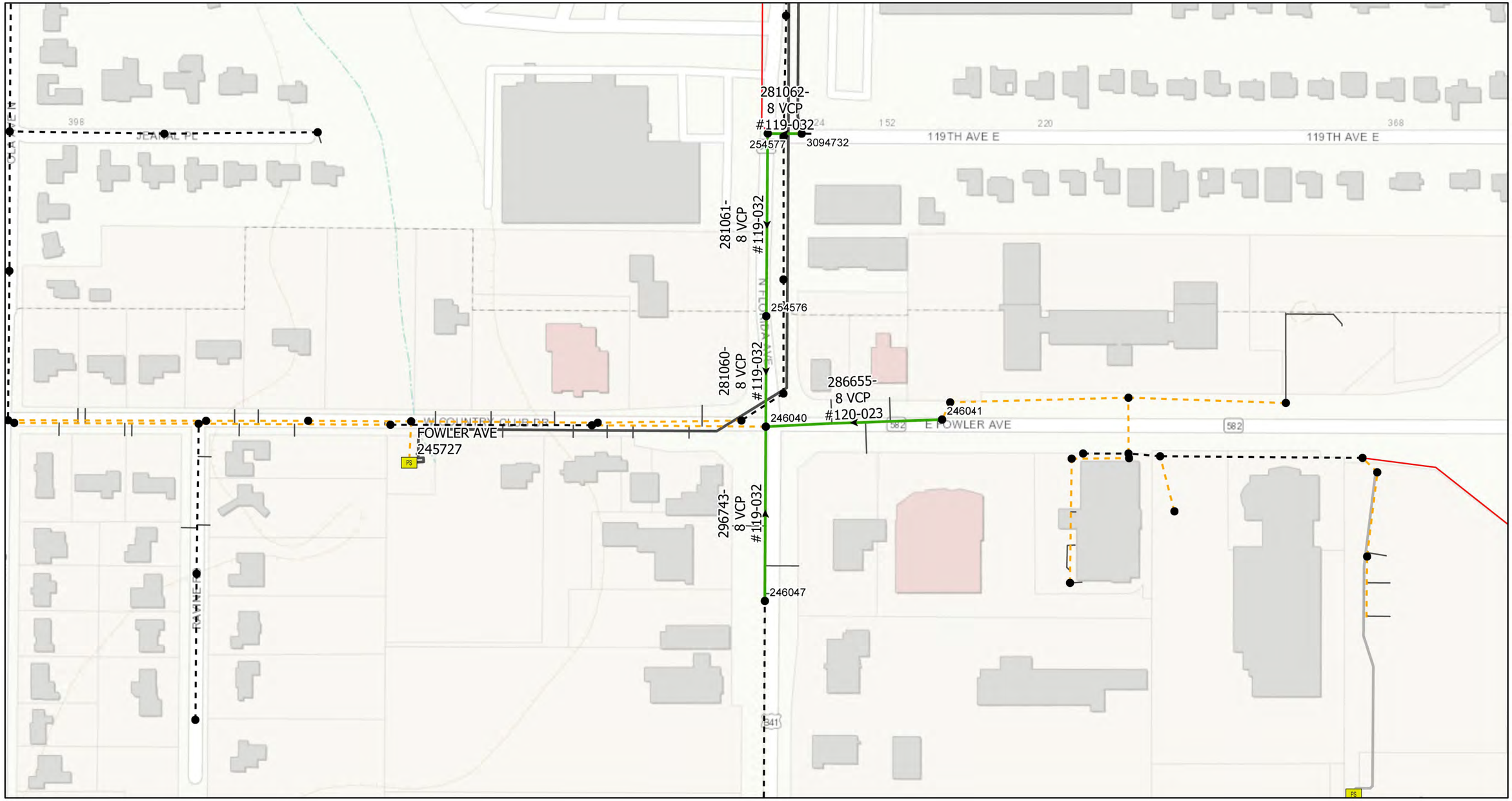

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FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 2

SHEET 5

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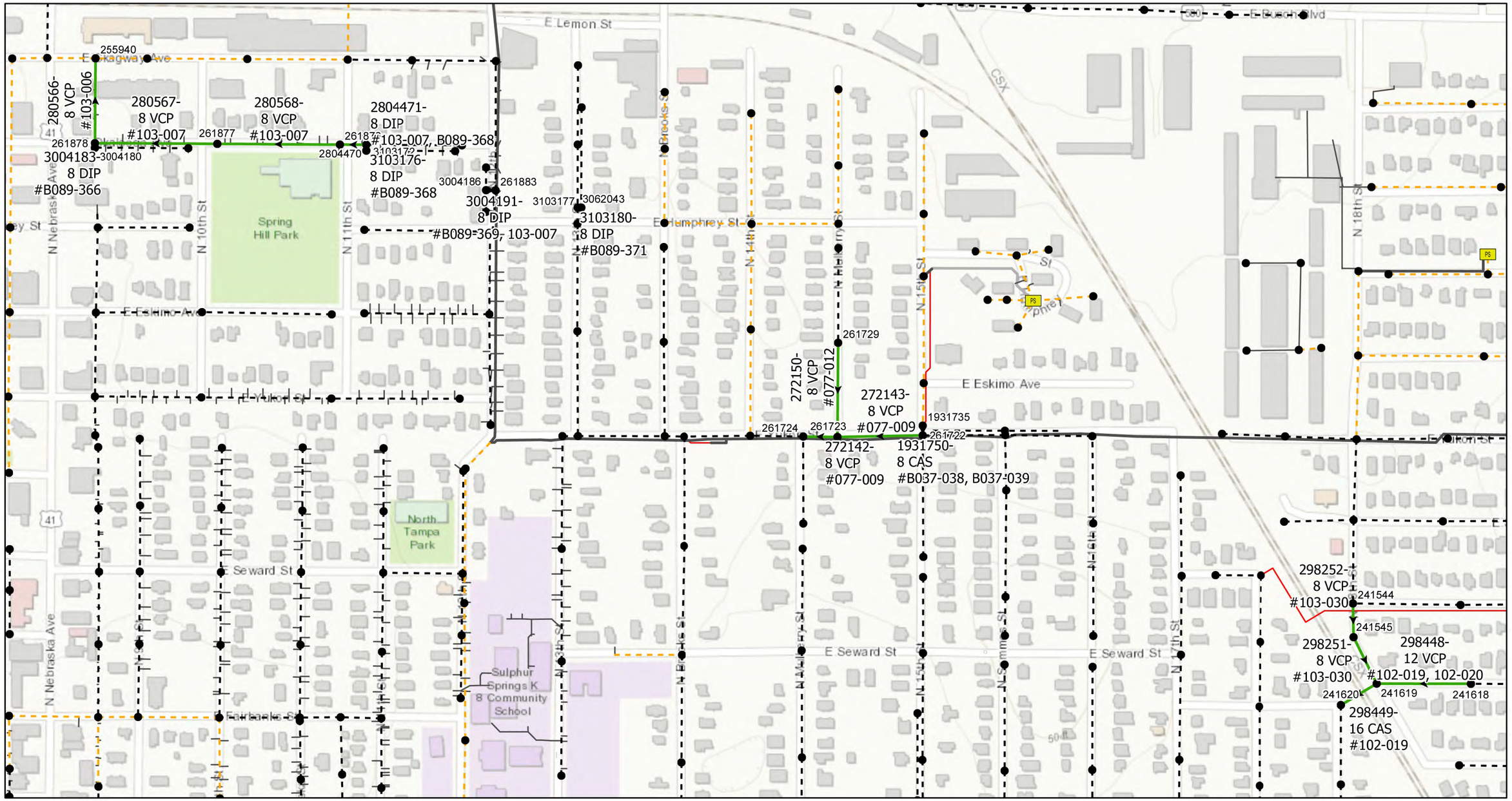
FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 3

SHEET 6



0 0.05 0.1 0.2 Miles

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Legend

- Proposed Manhole Rehabilitation
- Ex Manhole (no rehabilitation required)
- Ex. Pump Station
- Proposed Lining Area
- Ex Gravity Main (No Rehabilitation Required)
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FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 4

SHEET 7

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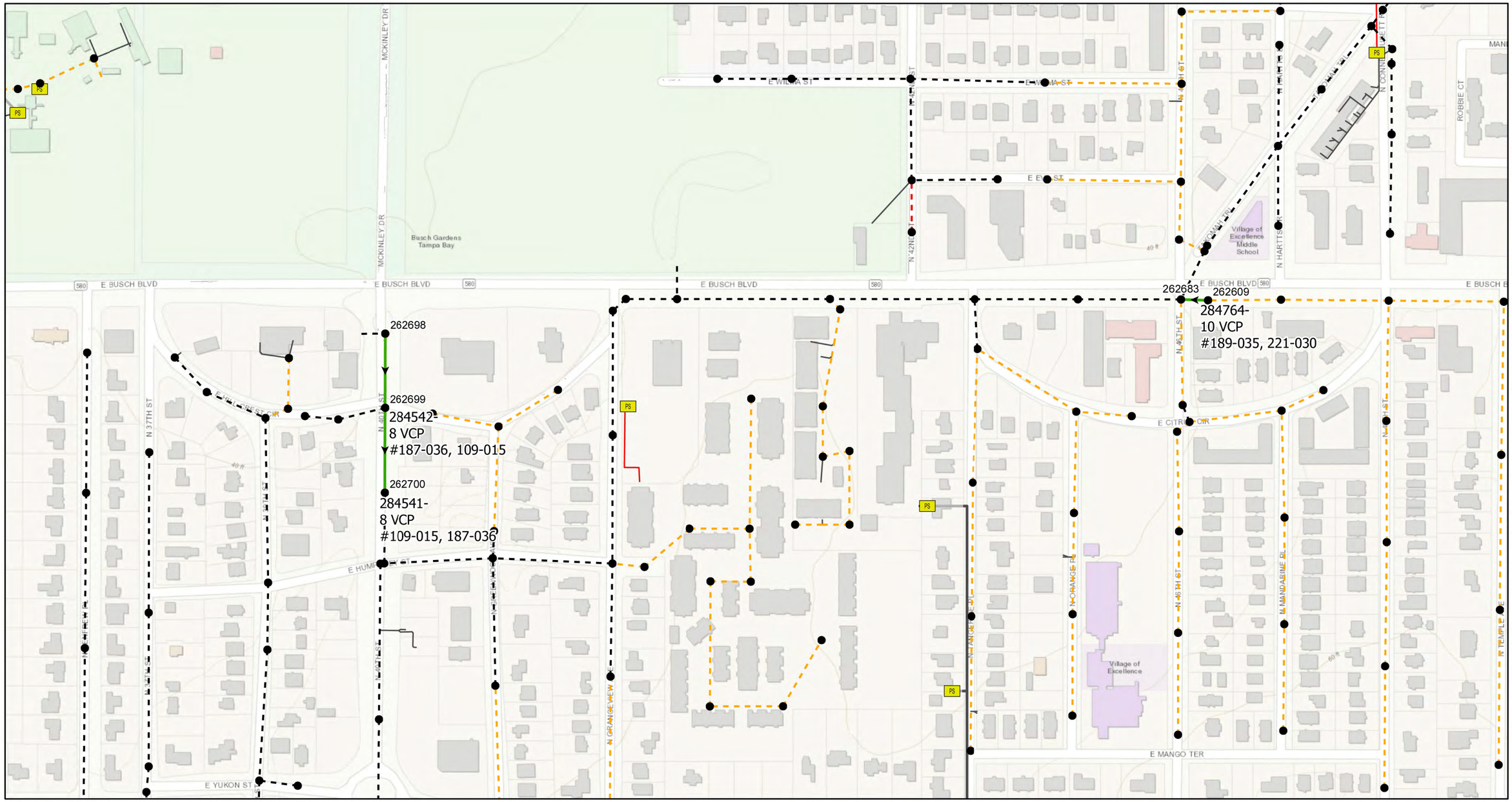

Legend

- Proposed Manhole Rehabilitation
- Ex Manhole (no rehabilitation required)
- PS Ex. Pump Station
- Proposed Lining Area
- Ex Gravity Main (No Rehabilitation Required)
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FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 5

SHEET 8

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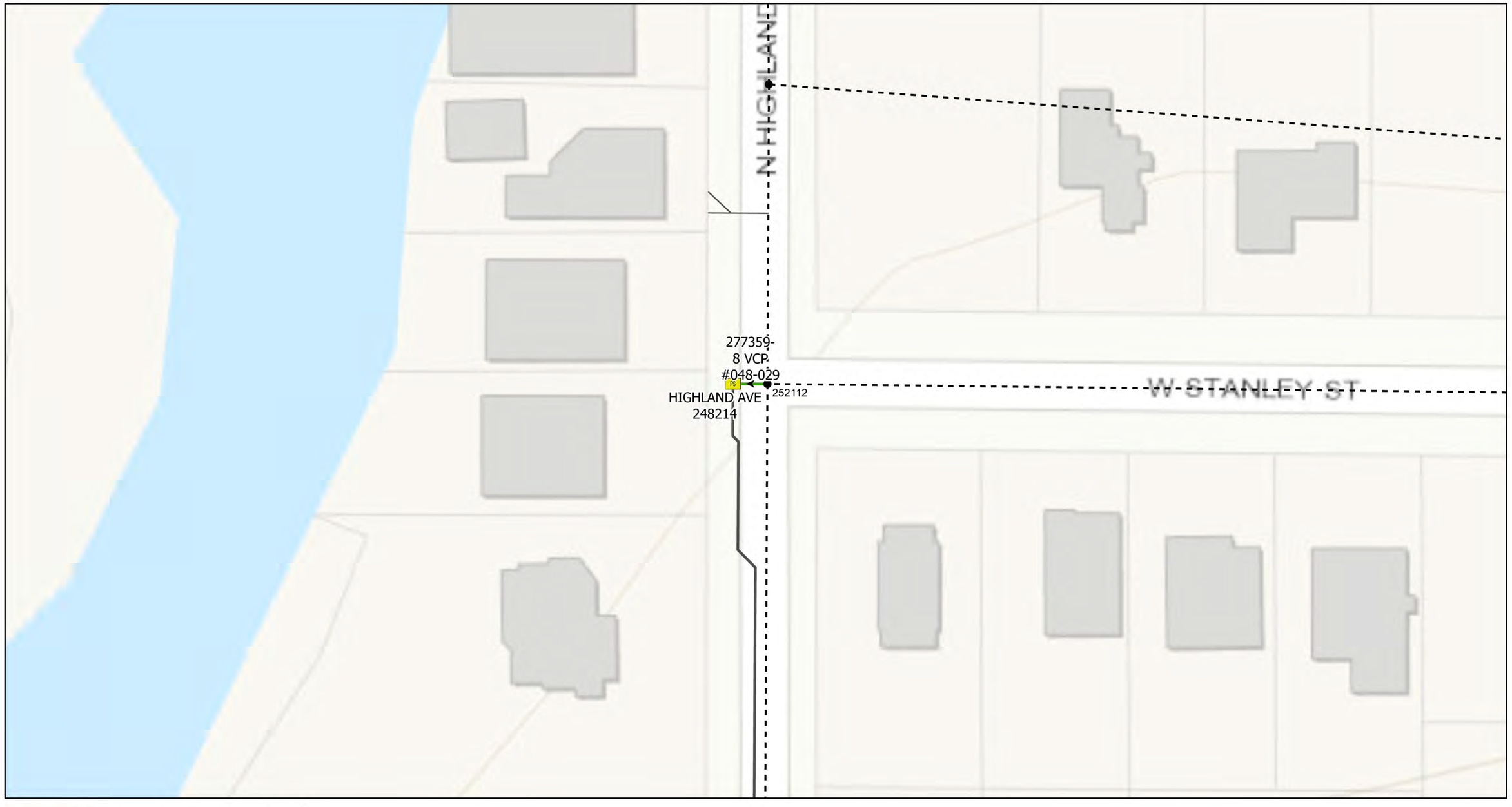

0 0.01 0.01 0.02 Miles

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Legend

- Proposed Manhole Rehabilitation
- Ex Manhole (no rehabilitation required)
- PS Ex. Pump Station
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FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 6

SHEET 9

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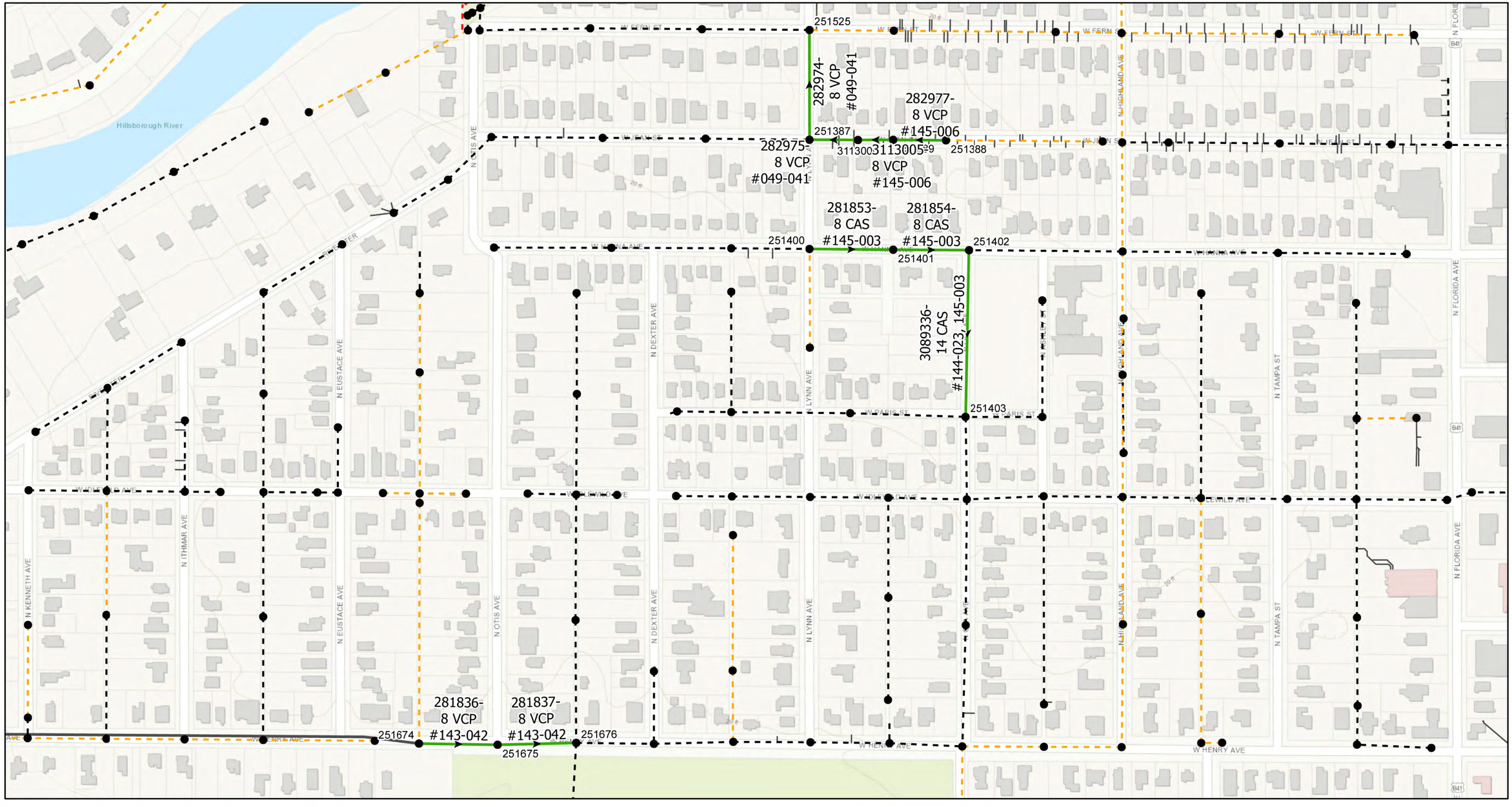

Legend

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CITY of TAMPA
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FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 7

SHEET 10

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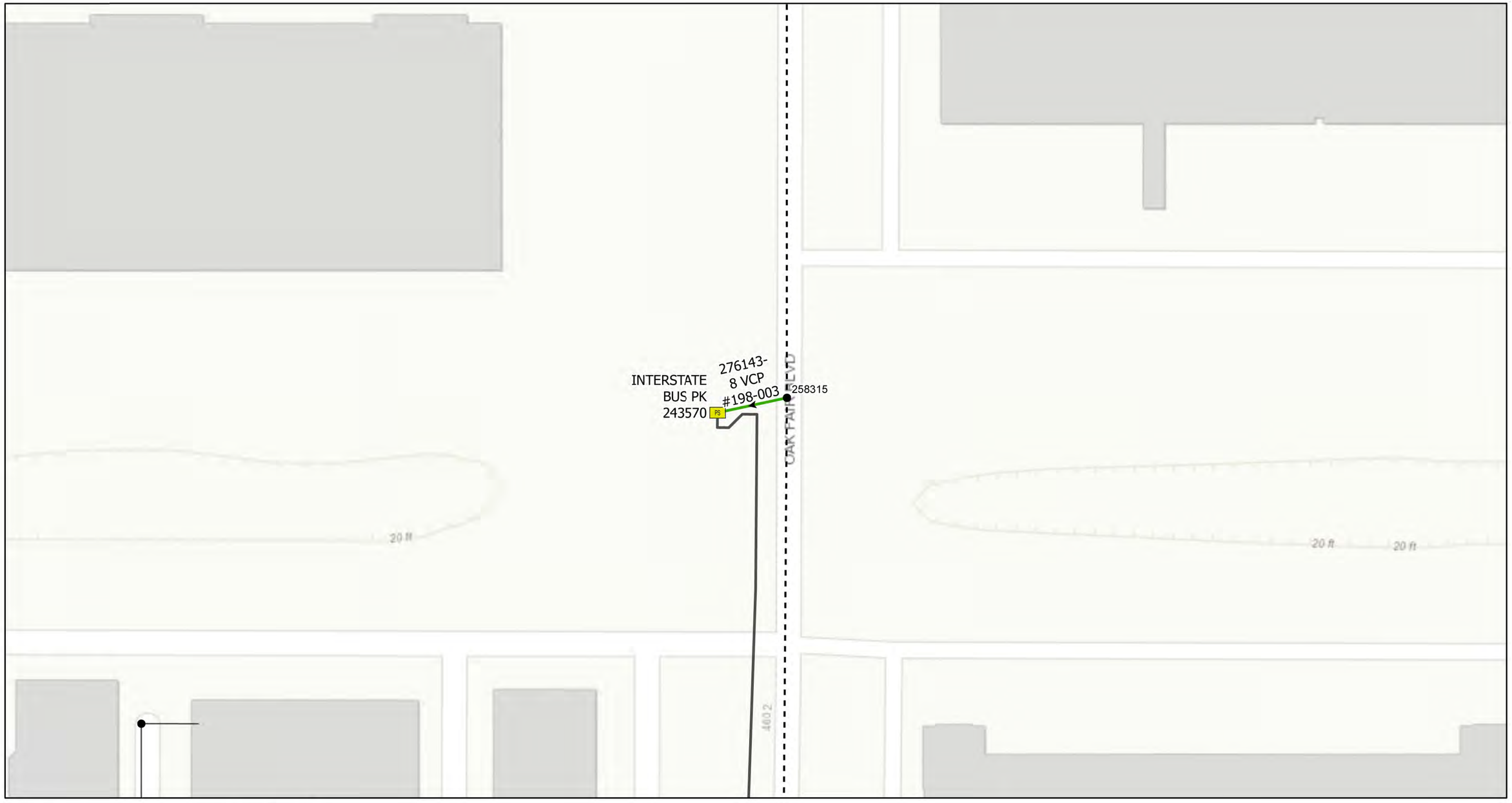

Legend

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FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 8

SHEET 11

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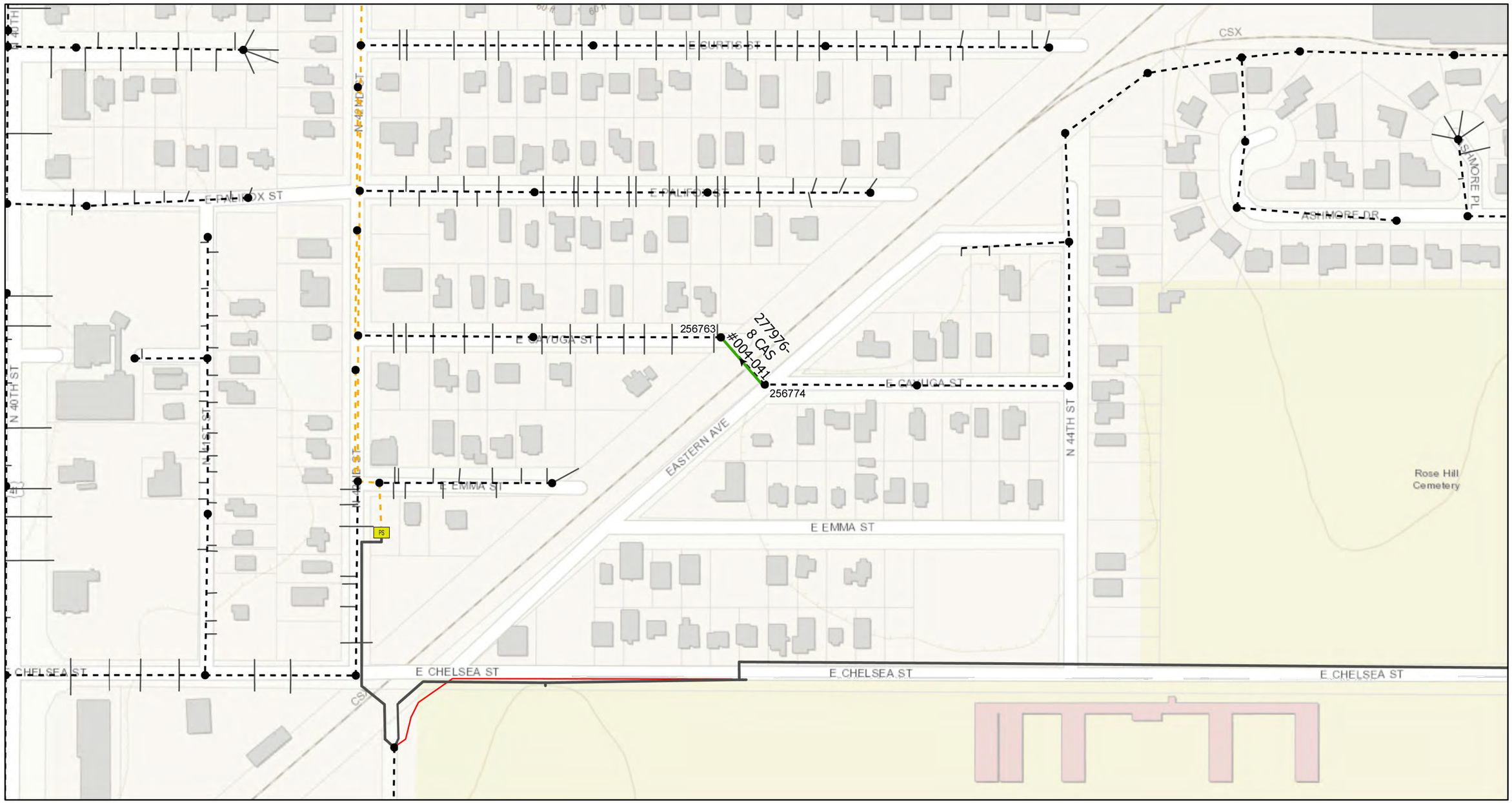

Legend

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FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 9

SHEET 12

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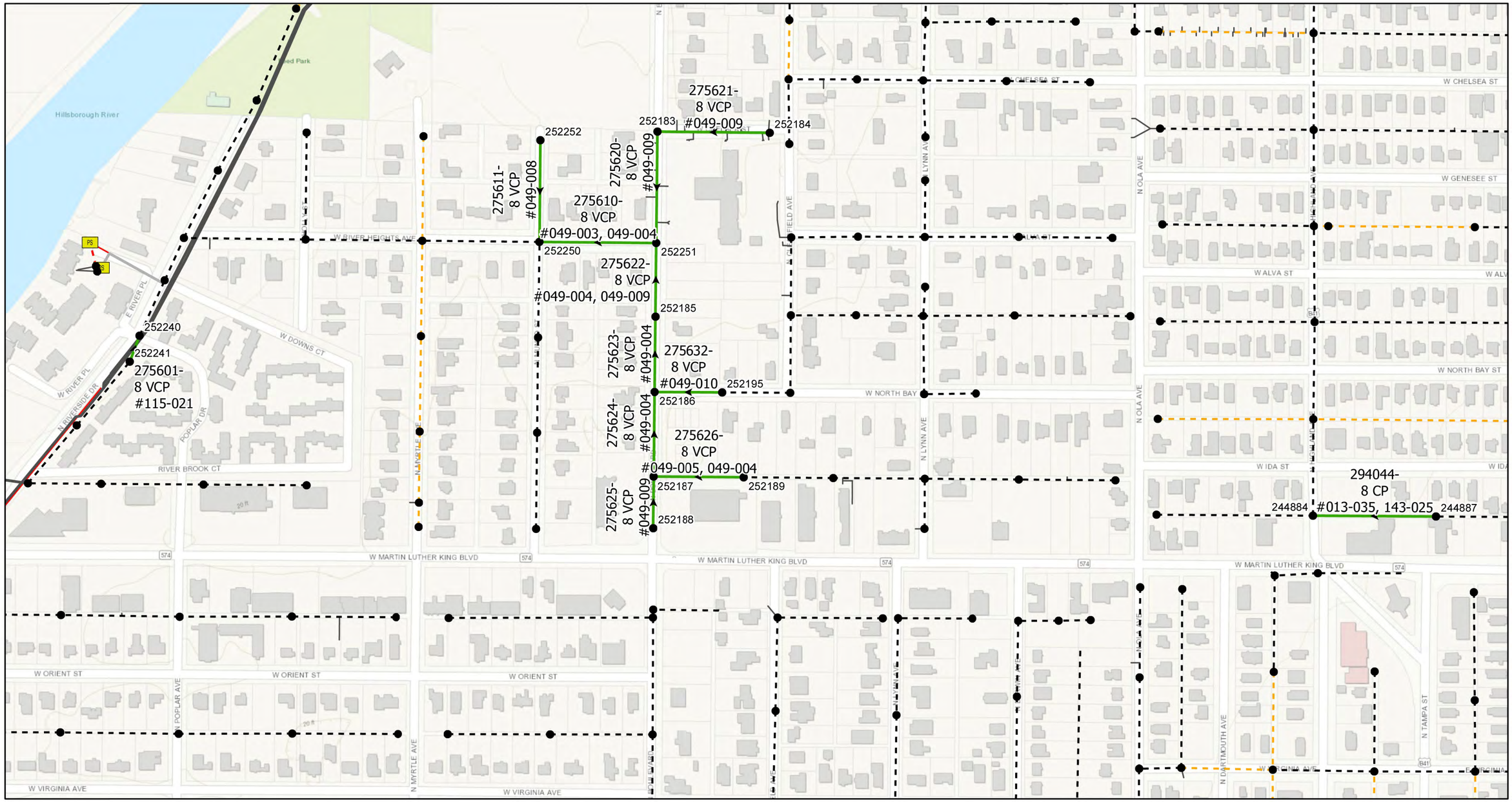

Legend

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FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 10

SHEET 13

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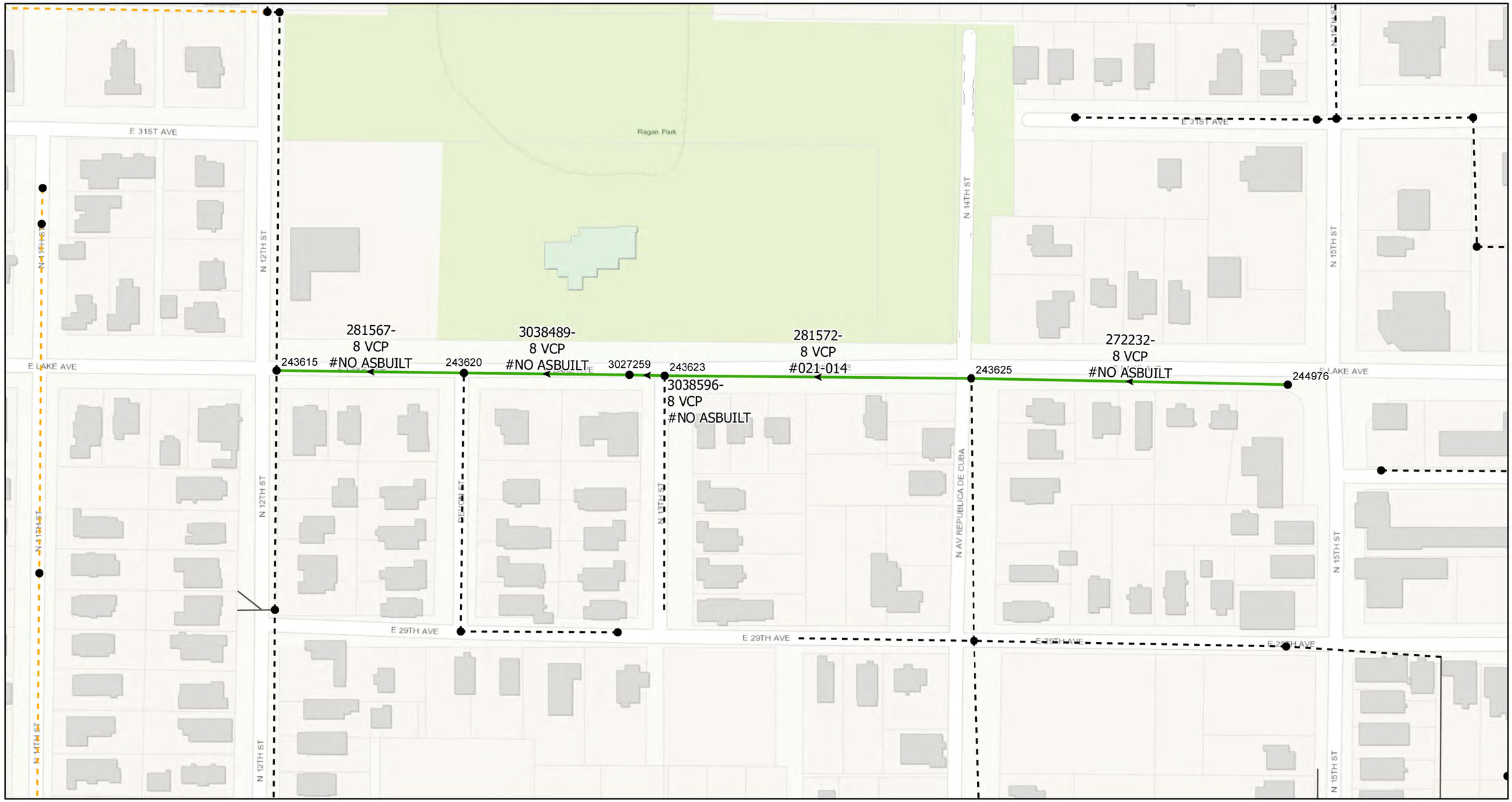

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FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 11

SHEET
14

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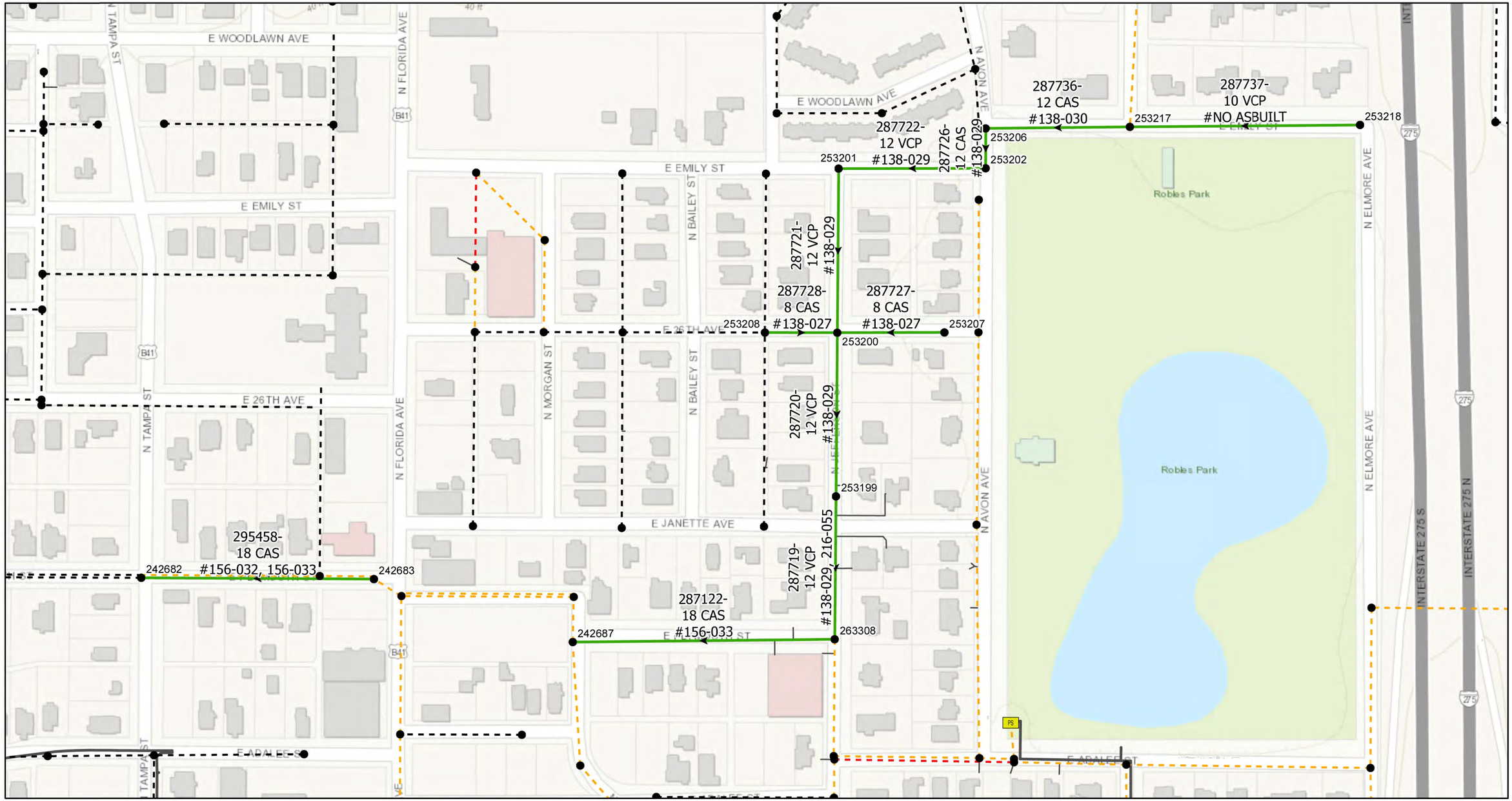

Legend

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CITY of TAMPA
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FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 12

SHEET 15

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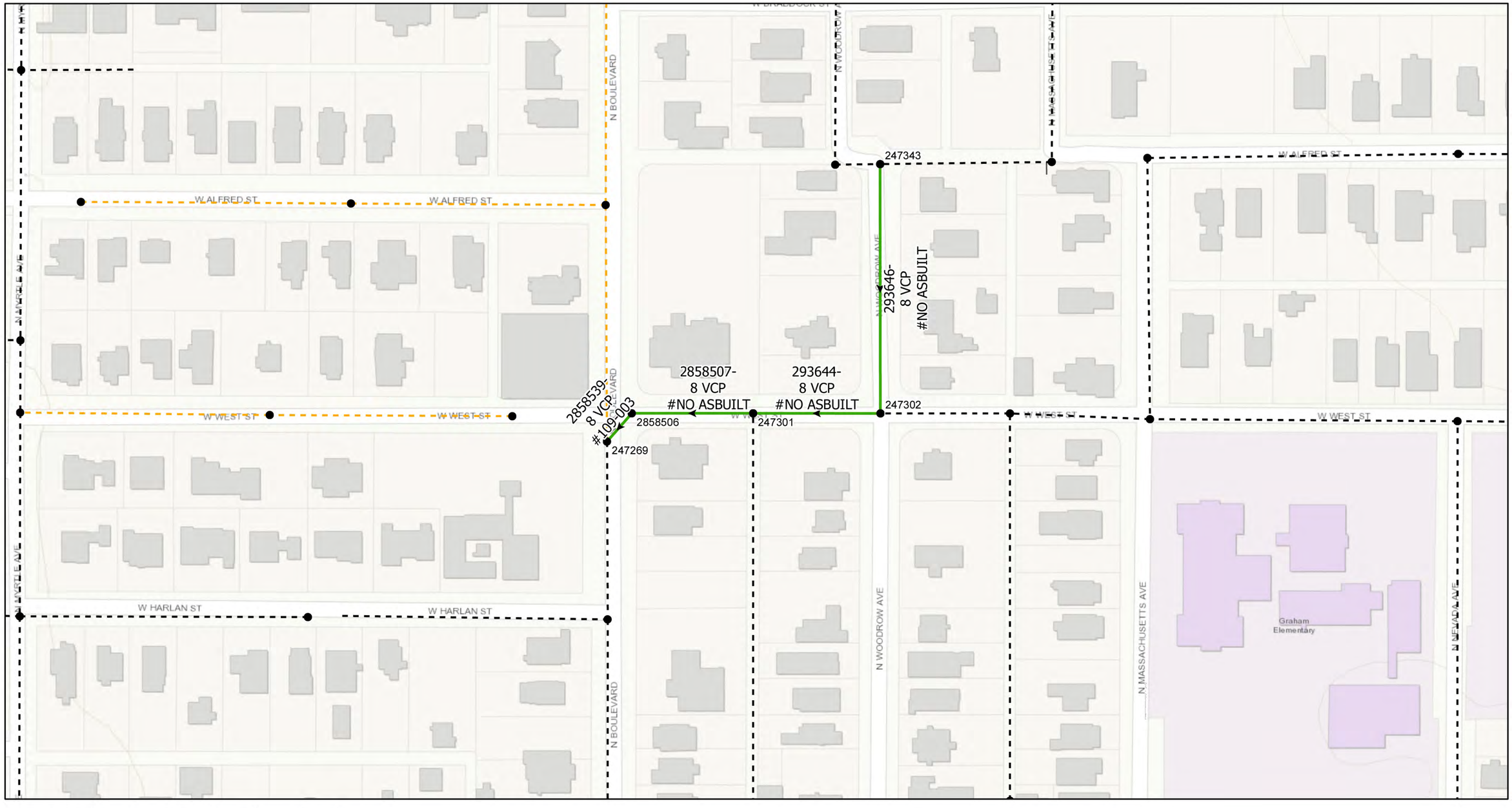

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FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 13

SHEET 16

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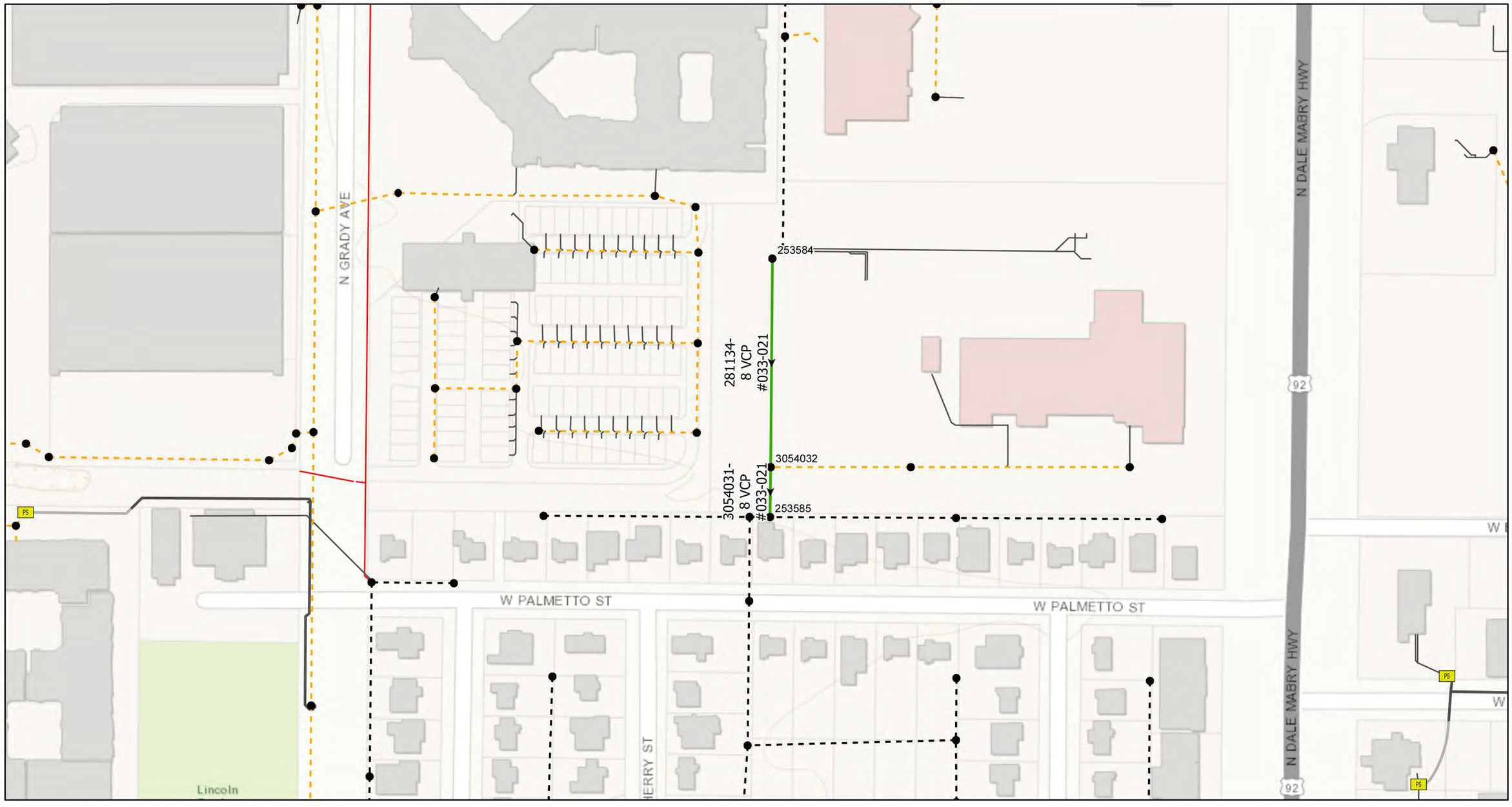

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DES: CB
DRN: MRL
CKD:
DATE:

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

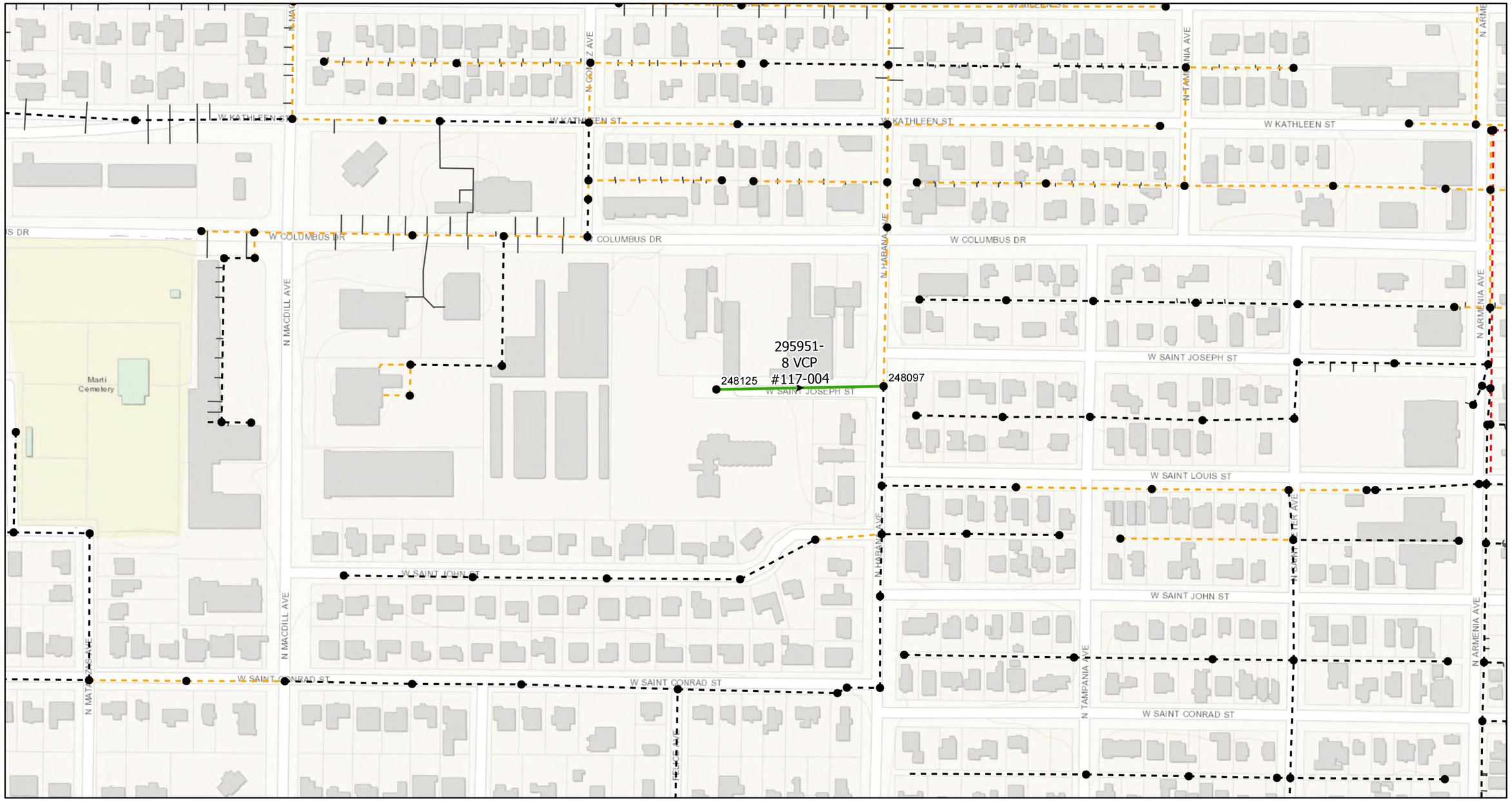
CITY of TAMPA
WASTEWATER DEPARTMENT

FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 14

SHEET 17

K:\WasteWater Projects\FY25 WW Tuberculated Gravity Pipe Rehab\Drafting\DWG\FY25 WW Tuberculated Gravity Pipe Rehab.dwg, 9/17/2025 3:50:01 PM



Legend

- Proposed Manhole Rehabilitation
- Ex Manhole (no rehabilitation required)
- PS Ex. Pump Station
- Proposed Lining Area
- Ex Gravity Main (No Rehabilitation Required)
- Ex Gravity Main (CIPP Lined or PVC)
- Ex Pressurized Main (No Rehabilitation Required)
- Pressurized Main, Out of Service
- Gravity Main, Out of Service

#	DATE	REVISIONS
1		
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DES: CB
DRN: MRL
CKD:
DATE:

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

CITY of TAMPA
WASTEWATER DEPARTMENT

FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 15

SHEET 18

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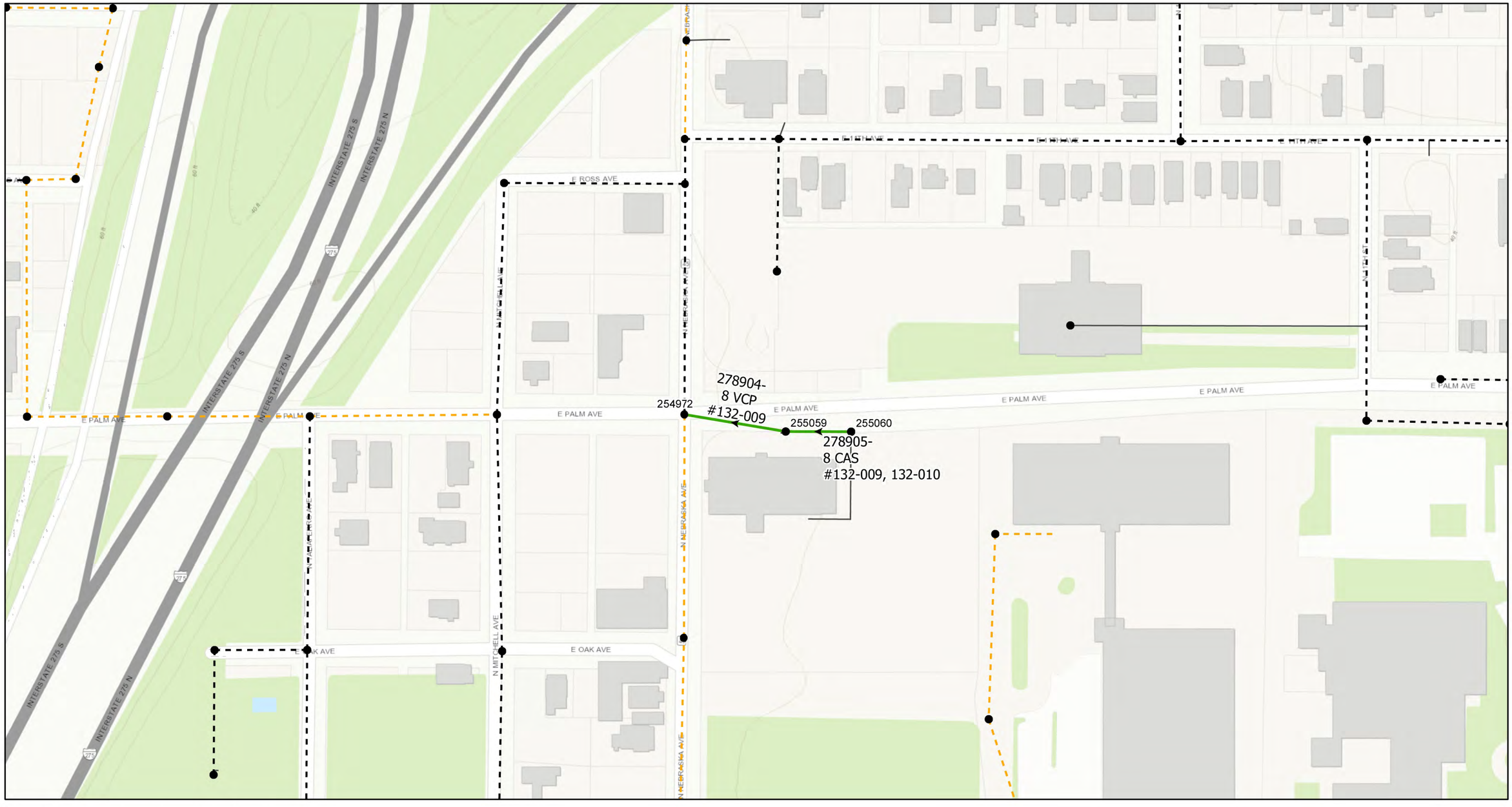

Legend

- Proposed Manhole Rehabilitation
- Ex Manhole (no rehabilitation required)
- PS Ex. Pump Station
- Proposed Lining Area
- Ex Gravity Main (No Rehabilitation Required)
- Ex Gravity Main (CIPP Lined or PVC)
- Ex Pressurized Main (No Rehabilitation Required)
- Pressurized Main, Out of Service
- Gravity Main, Out of Service

#	DATE	REVISIONS
1		
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DES: CB
DRN: MRL
CKD:
DATE:

JACINTO CARLOS FERRAS, P.E. #49454
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CITY of TAMPA
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FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 16

SHEET 19

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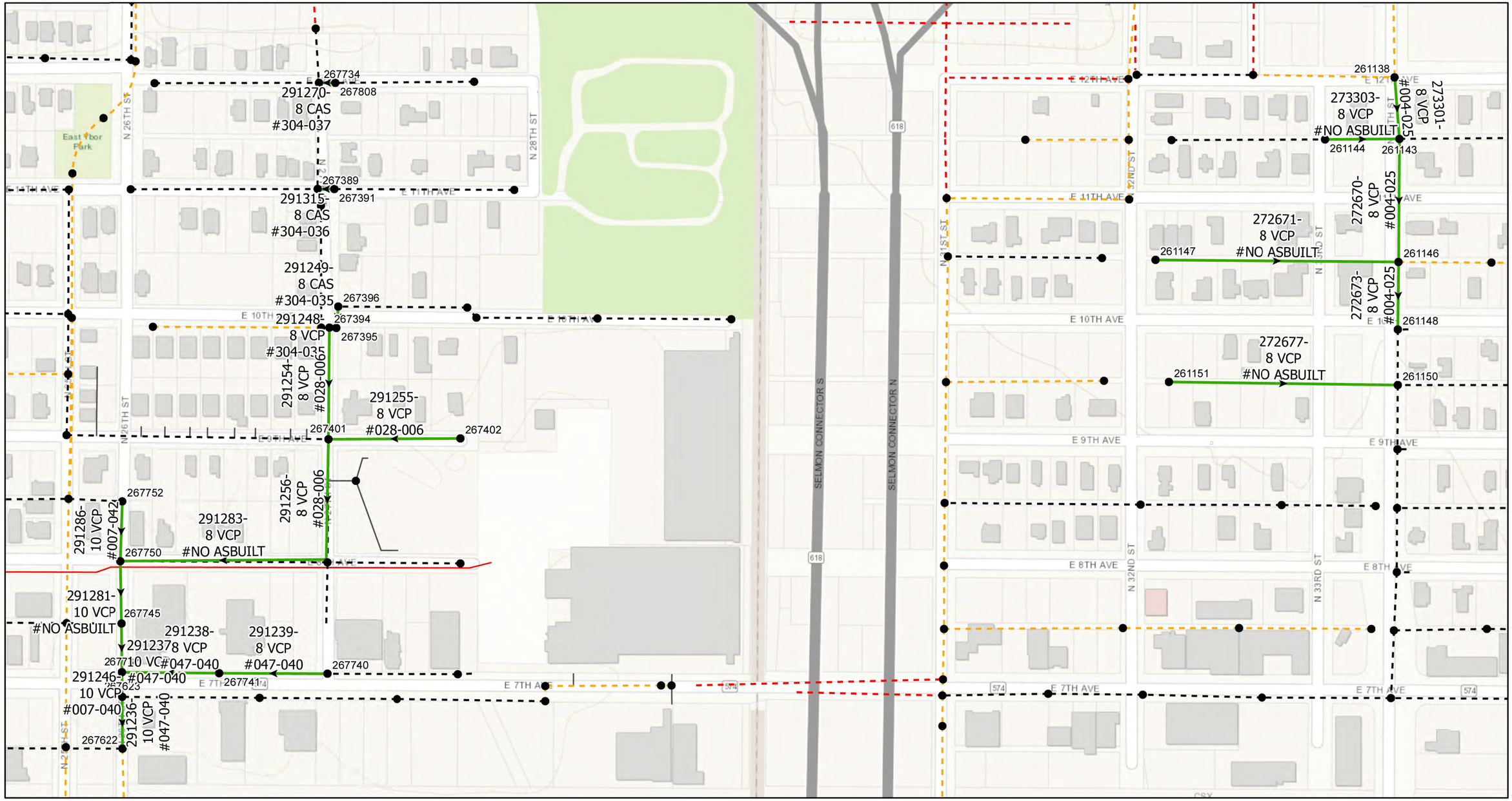

0 0.03 0.07 0.13 Miles

N

Legend

- Proposed Manhole Rehabilitation
- Ex Manhole (no rehabilitation required)
- PS Ex. Pump Station
- Proposed Lining Area
- Ex Gravity Main (No Rehabilitation Required)
- Ex Gravity Main (CIPP Lined or PVC)
- Ex Pressurized Main (No Rehabilitation Required)
- Pressurized Main, Out of Service
- Gravity Main, Out of Service

#	DATE	REVISIONS
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DES: CB
DRN: MRL
CKD:
DATE:

JACINTO CARLOS FERRAS, P.E. #49454
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CITY of TAMPA
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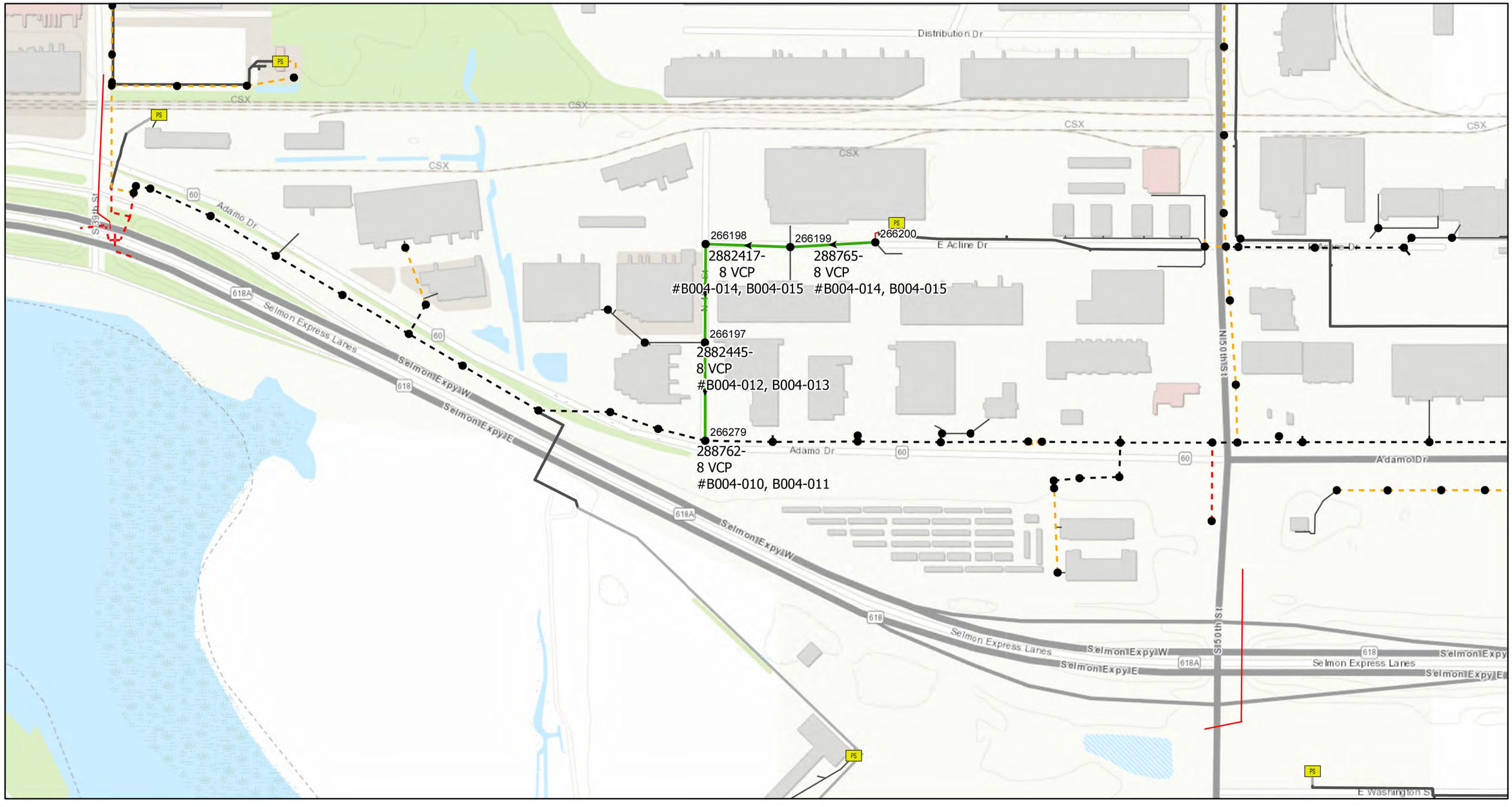
FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 17

SHEET 20

K:\WasteWater Projects\FY25 WW Tuberculated Gravity Pipe Rehab\Drafting\DWG\FY25 WW Tuberculated Gravity Pipe Rehab.dwg, 9/17/2025 3:50:06 PM



0 0.05 0.1 0.2 Miles

N

Legend

- Proposed Manhole Rehabilitation
- Ex Manhole (no rehabilitation required)
- PS Ex. Pump Station
- Proposed Lining Area
- Ex Gravity Main (No Rehabilitation Required)
- Ex Gravity Main (CIPP Lined or PVC)
- Ex Pressurized Main (No Rehabilitation Required)
- Pressurized Main, Out of Service
- Gravity Main, Out of Service

#	DATE	REVISIONS
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DES: CB
DRN: MRL
CKD:
DATE:

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

CITY of TAMPA
WASTEWATER DEPARTMENT

FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 18

SHEET 21

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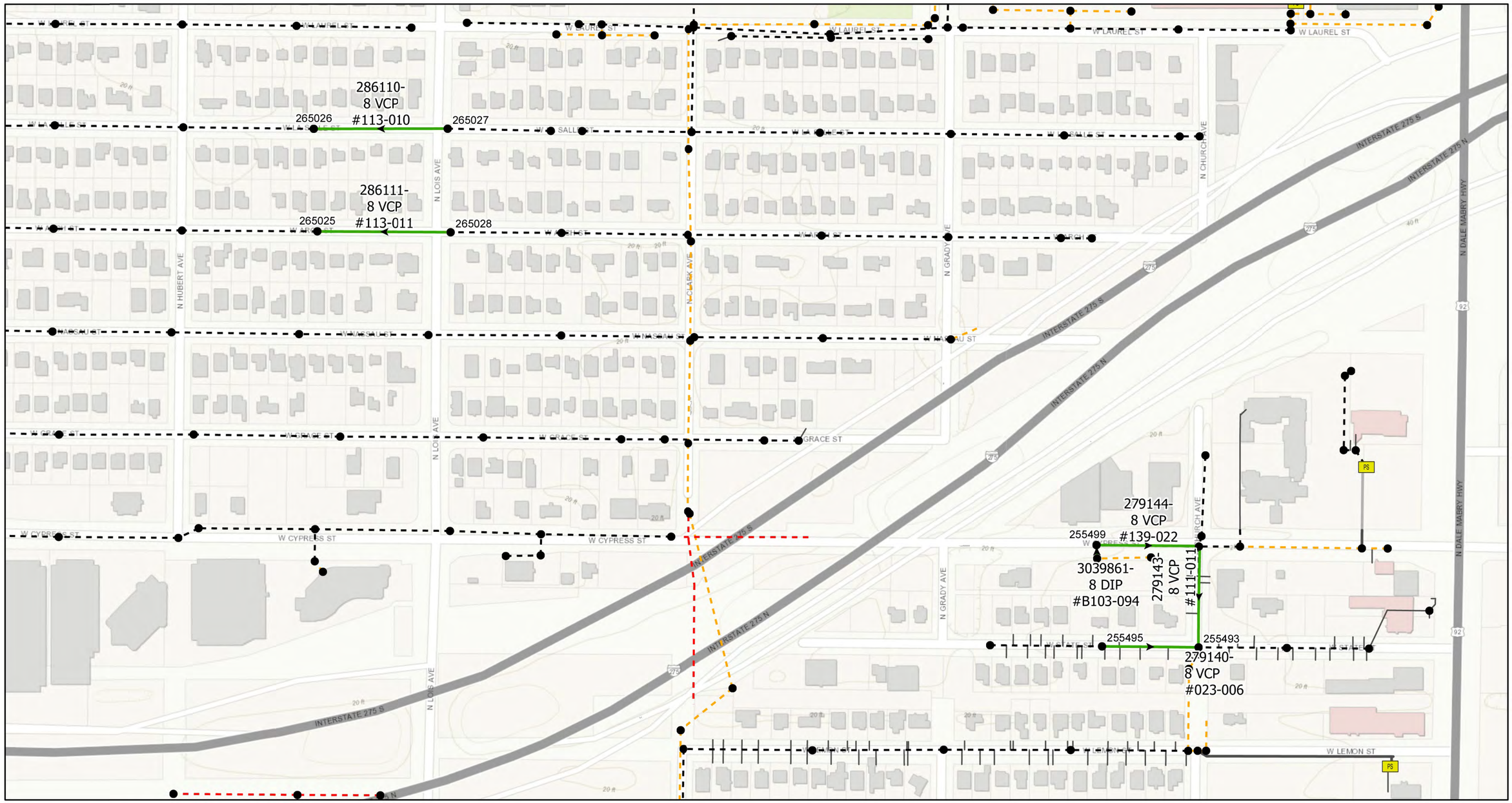

#	DATE	REVISIONS
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DES: CB
DRN: MRL
CKD:
DATE:

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

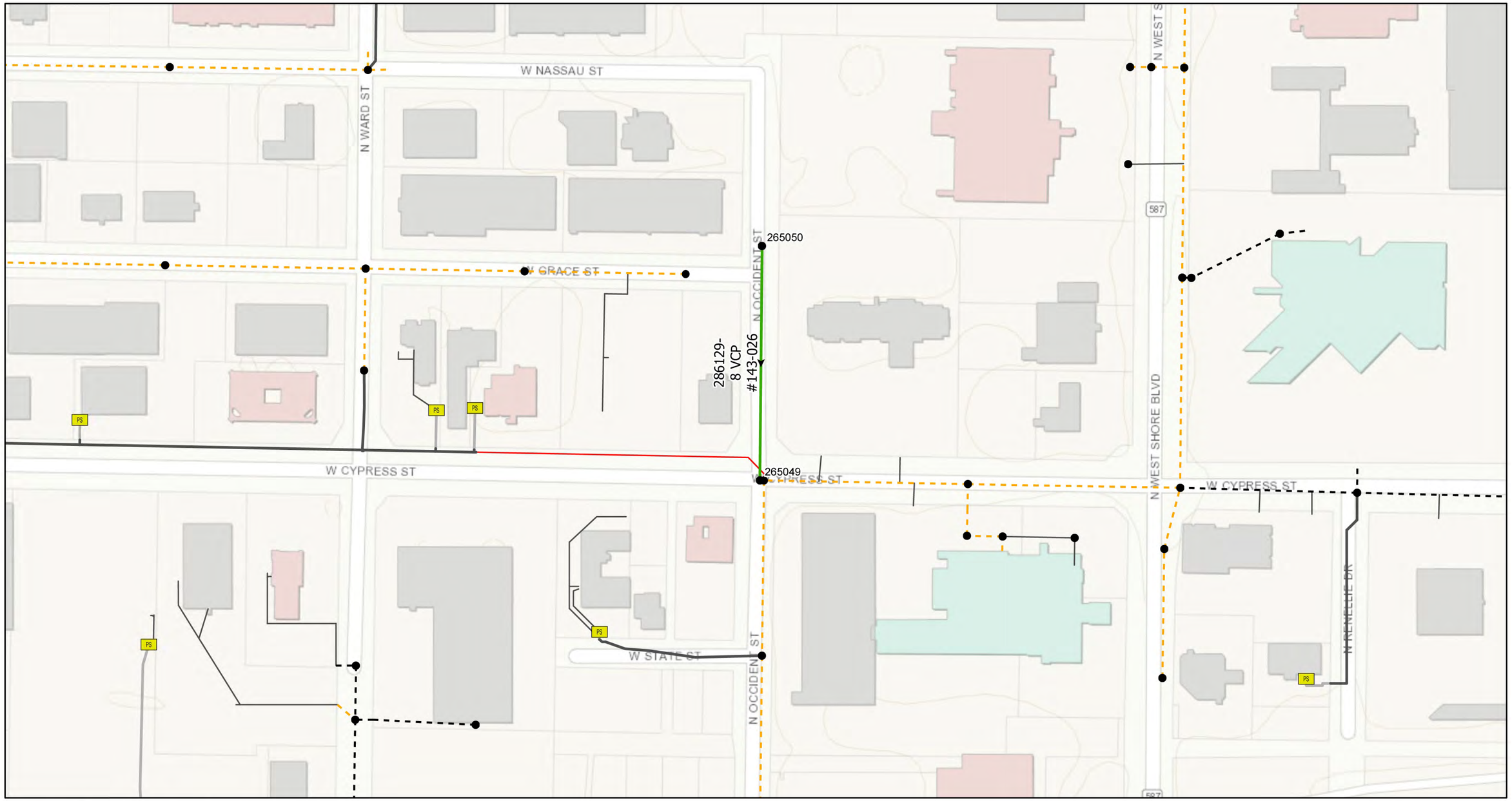
CITY of TAMPA
WASTEWATER DEPARTMENT

FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 19

SHEET 22

K:\WasteWater Projects\FY25 WW Tuberculated Gravity Pipe Rehab\Drafting\DWG\FY25 WW Tuberculated Gravity Pipe Rehab.dwg, 9/17/2025 3:50:10 PM



Legend

- Proposed Manhole Rehabilitation
- Ex Manhole (no rehabilitation required)
- PS Ex. Pump Station
- Proposed Lining Area
- Ex Gravity Main (No Rehabilitation Required)
- Ex Gravity Main (CIPP Lined or PVC)
- Ex Pressurized Main (No Rehabilitation Required)
- Pressurized Main, Out of Service
- Gravity Main, Out of Service

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

#	DATE	REVISIONS
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DES: CB
DRN: MRL
CKD:
DATE:

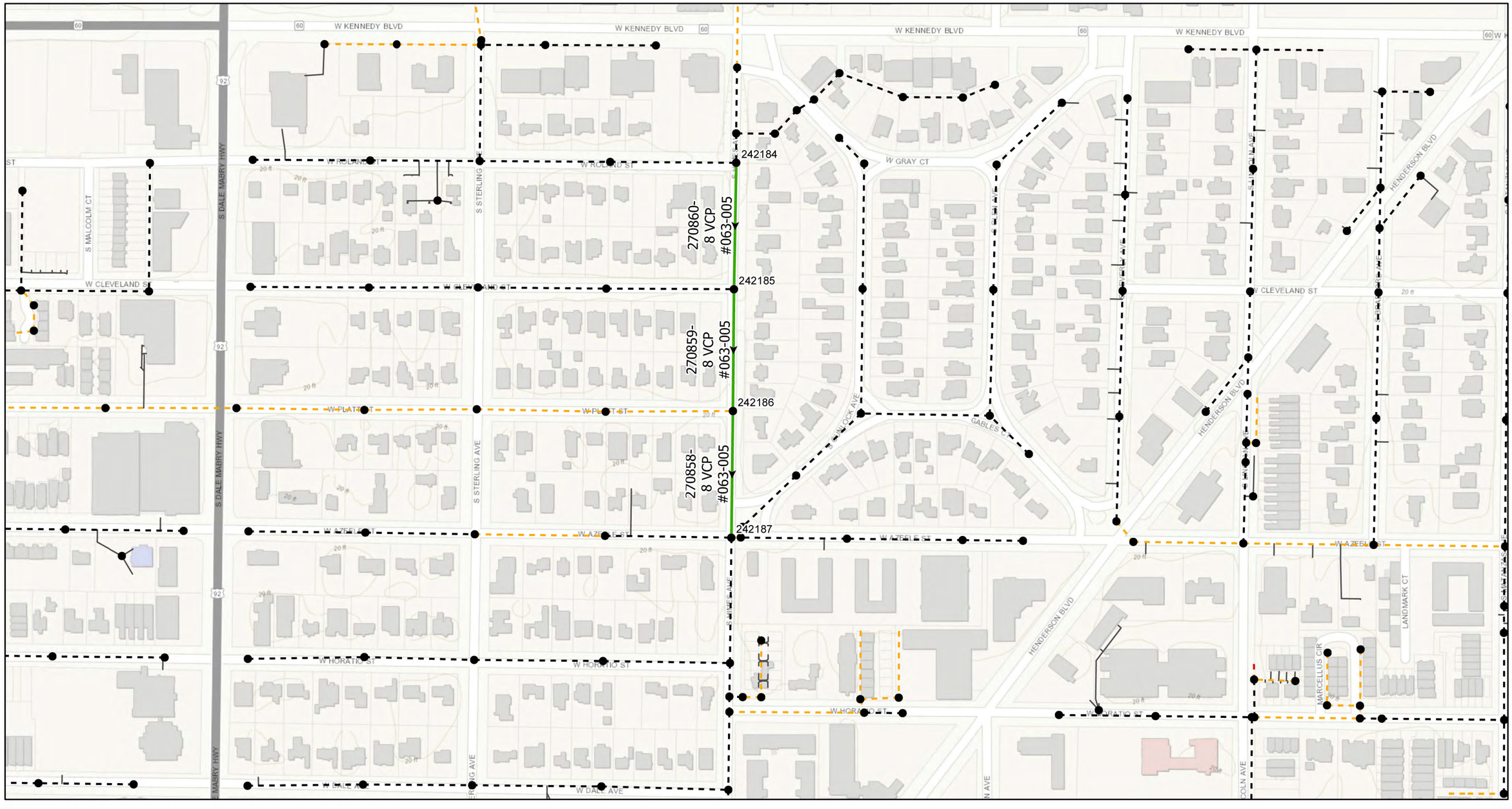
CITY of TAMPA
WASTEWATER DEPARTMENT

FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 20

SHEET 23

K:\WasteWater Projects\FY25 WW Tuberculated Gravity Pipe Rehab\Drafting\DWG\FY25 WW Tuberculated Gravity Pipe Rehab.dwg, 9/17/2025 3:50:12 PM



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DES: CB
DRN: MRL
CKD:
DATE:

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

CITY of TAMPA
WASTEWATER DEPARTMENT

FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 21

SHEET 24

K:\WasteWater Projects\FY25 WW Tuberculated Gravity Pipe Rehab\Drafting\DWG\FY25 WW Tuberculated Gravity Pipe Rehab.dwg, 9/17/2025 3:50:13 PM

Legend

- Proposed Manhole Rehabilitation
- Ex Manhole (no rehabilitation required)
- PS Ex. Pump Station
- Proposed Lining Area
- Ex Gravity Main (No Rehabilitation Required)
- Ex Gravity Main (CIPP Lined or PVC)
- Ex Pressurized Main (No Rehabilitation Required)
- Pressurized Main, Out of Service
- Gravity Main, Out of Service

#	DATE	REVISIONS
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DES: CB
DRN: MRL
CKD:
DATE:

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

CITY of TAMPA
WASTEWATER DEPARTMENT

FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 22

SHEET 25

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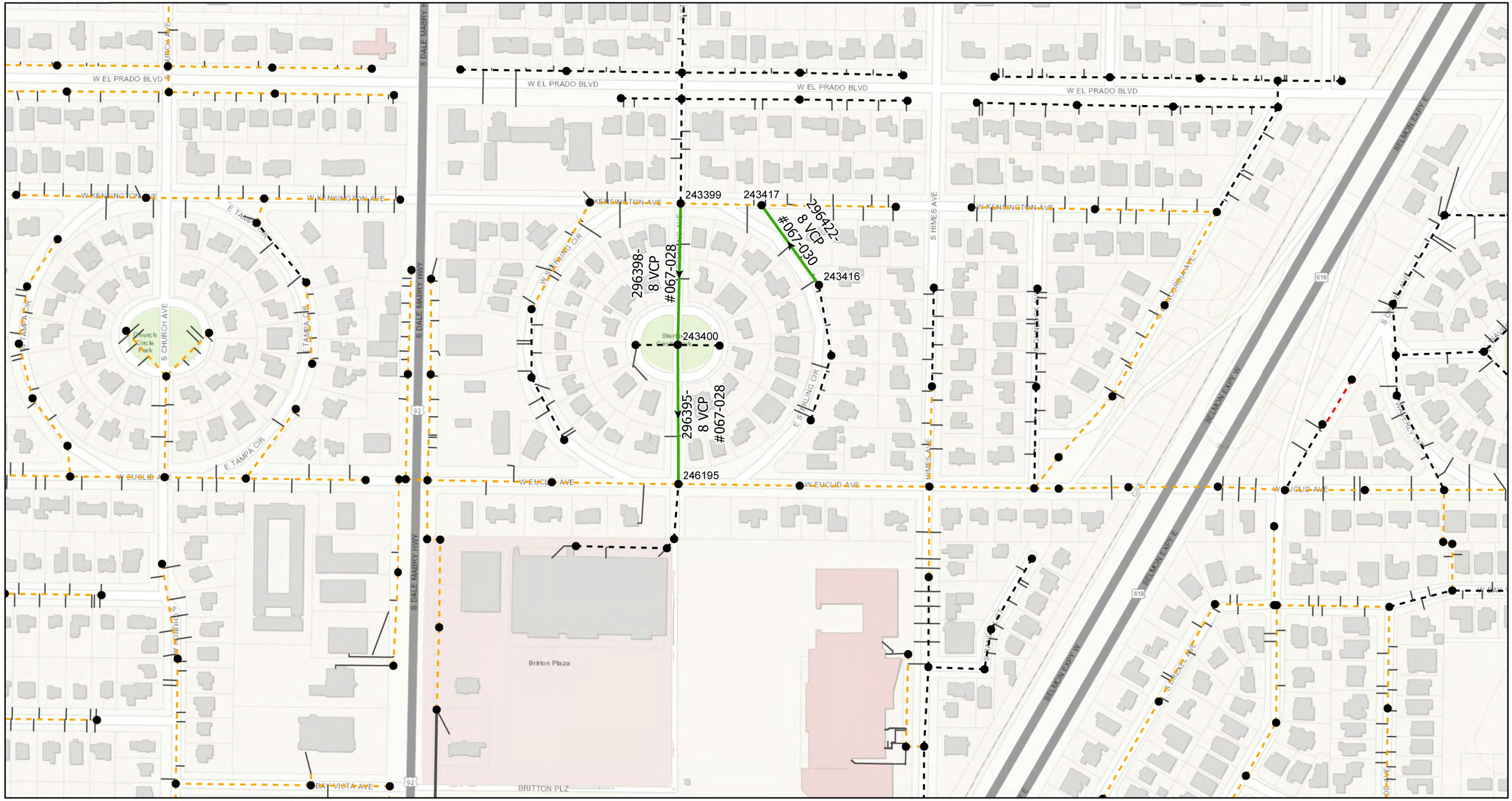

Legend

- Proposed Manhole Rehabilitation
- Ex Manhole (no rehabilitation required)
- PS Ex. Pump Station
- Proposed Lining Area
- Ex Gravity Main (No Rehabilitation Required)
- Ex Gravity Main (CIPP Lined or PVC)
- Ex Pressurized Main (No Rehabilitation Required)
- Pressurized Main, Out of Service
- Gravity Main, Out of Service

#	DATE	REVISIONS
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DES: CB
DRN: MRL
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JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

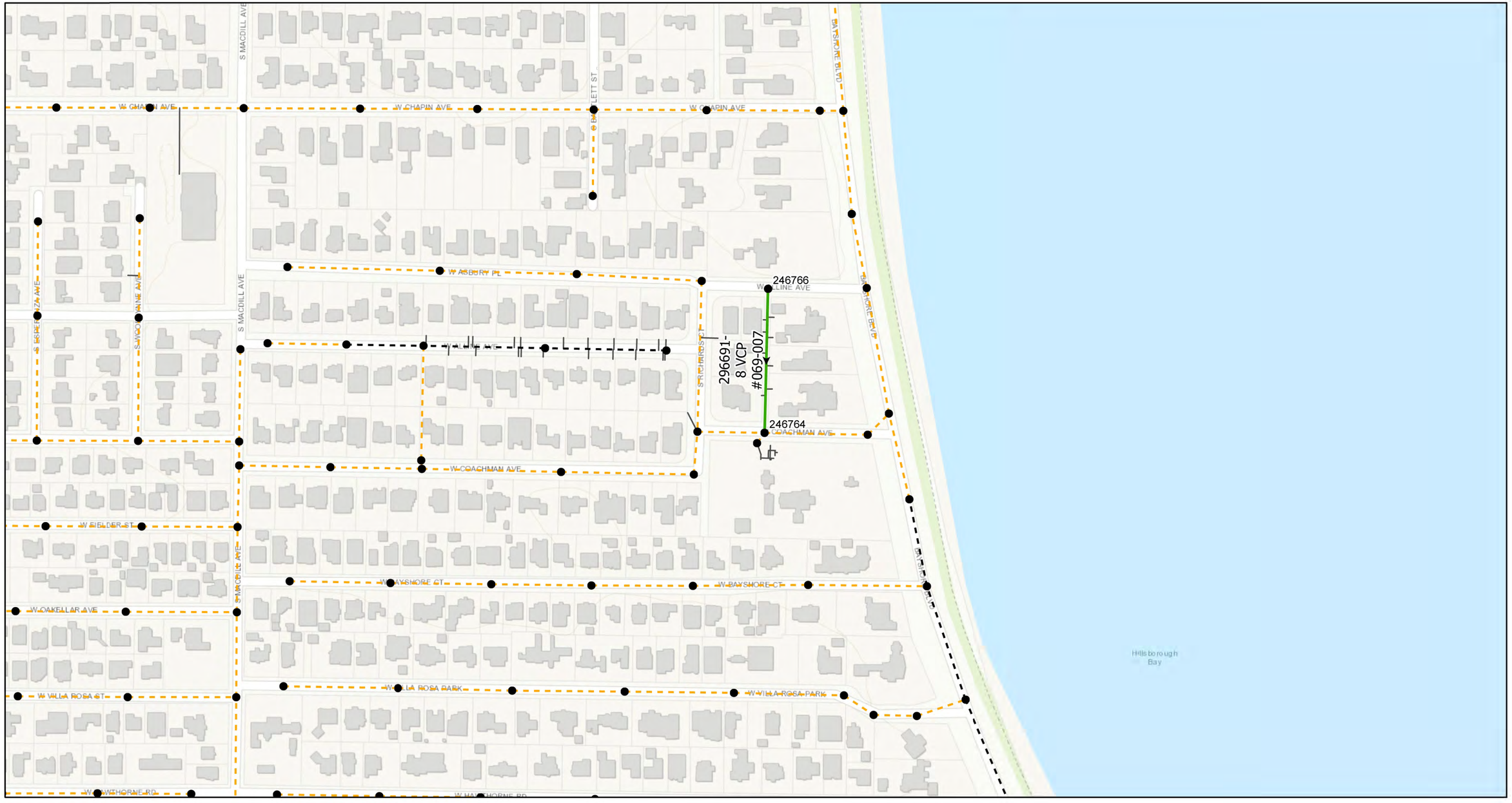
CITY of TAMPA
WASTEWATER DEPARTMENT

FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 23

SHEET 26

K:\WasteWater Projects\FY25 WW Tuberculated Gravity Pipe Rehab\Drafting\DWG\FY25 WW Tuberculated Gravity Pipe Rehab.dwg, 9/17/2025 3:50:17 PM



Legend

- Proposed Manhole Rehabilitation
- Ex Manhole (no rehabilitation required)
- PS Ex. Pump Station
- Proposed Lining Area
- Ex Gravity Main (No Rehabilitation Required)
- Ex Gravity Main (CIPP Lined or PVC)
- Ex Pressurized Main (No Rehabilitation Required)
- Pressurized Main, Out of Service
- Gravity Main, Out of Service

#	DATE	REVISIONS
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DES: CB
DRN: MRL
CKD:
DATE:

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

CITY of TAMPA
WASTEWATER DEPARTMENT

FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 24

SHEET 27

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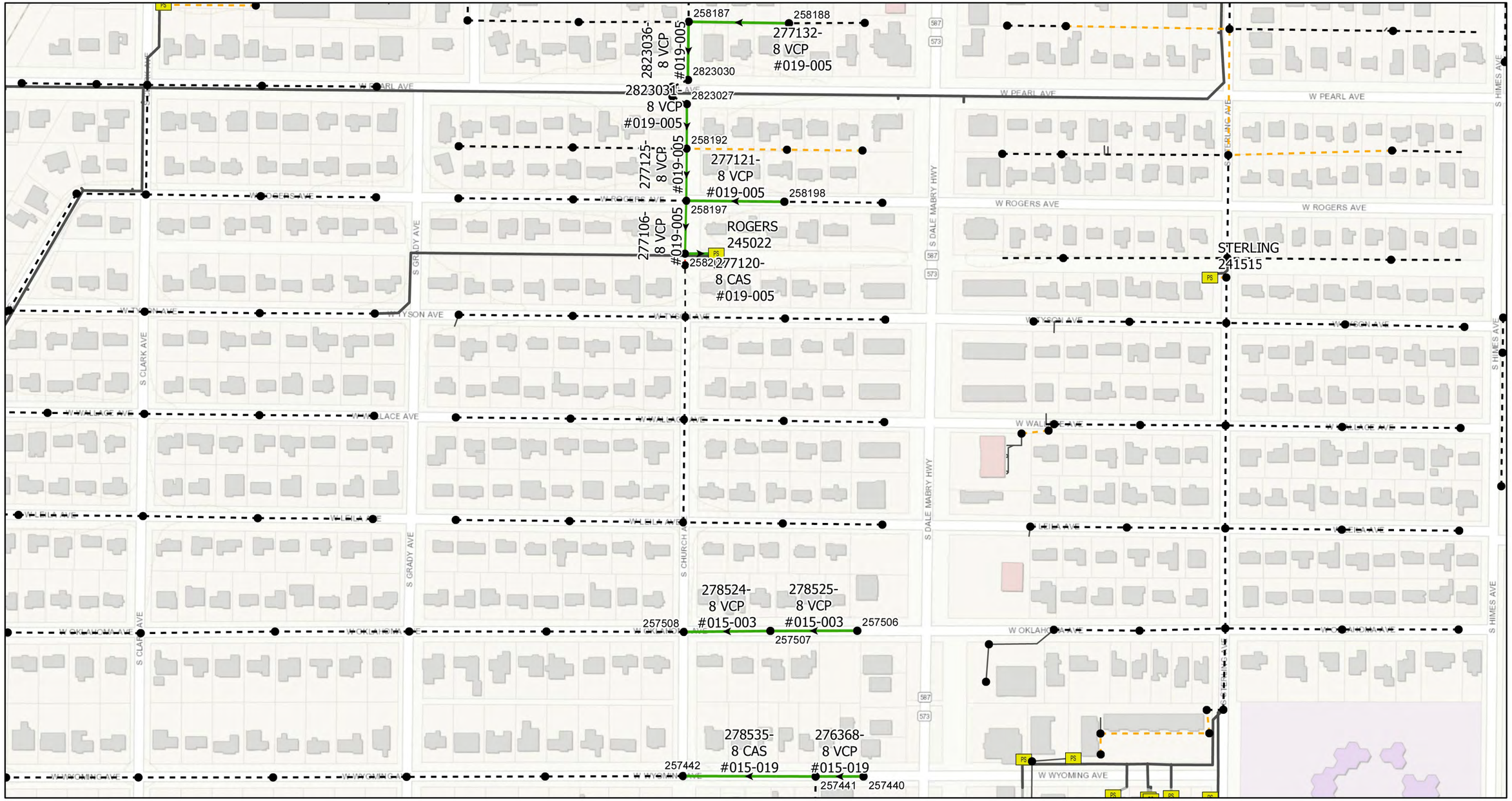

#	DATE	REVISIONS
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DES: CB
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JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

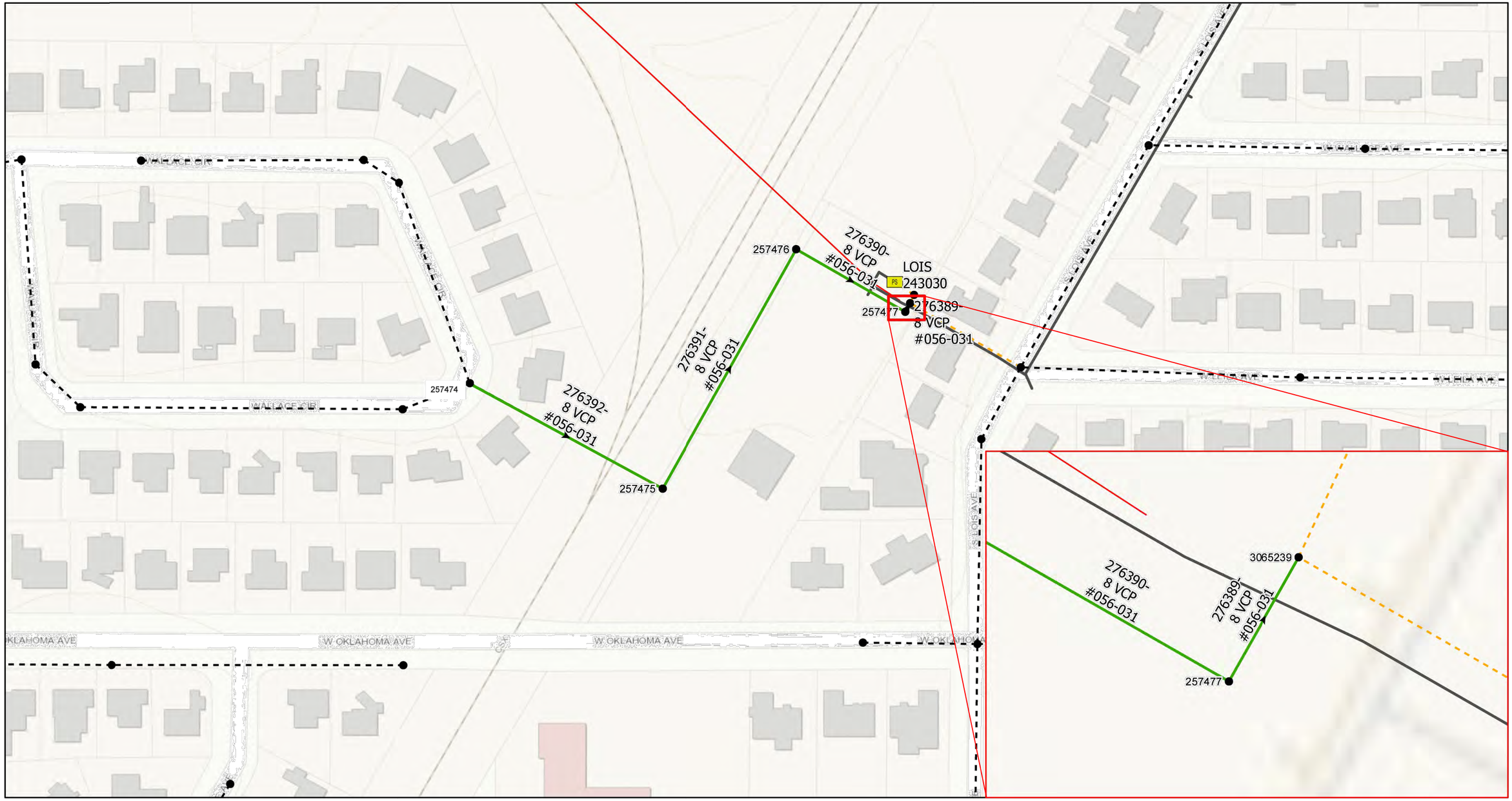
CITY of TAMPA
WASTEWATER DEPARTMENT

FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 25

SHEET 28

K:\WasteWater Projects\FY25 WW Tuberculated Gravity Pipe Rehab\Drafting\DWG\FY25 WW Tuberculated Gravity Pipe Rehab.dwg, 9/17/2025 3:50:21 PM



Legend

- Proposed Manhole Rehabilitation
- Ex Manhole (no rehabilitation required)
- PS Ex. Pump Station
- Proposed Lining Area
- Ex Gravity Main (No Rehabilitation Required)
- Ex Gravity Main (CIPP Lined or PVC)
- Ex Pressurized Main (No Rehabilitation Required)
- Pressurized Main, Out of Service
- Gravity Main, Out of Service

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

#	DATE	REVISIONS
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DES: CB
DRN: MRL
CKD:
DATE:

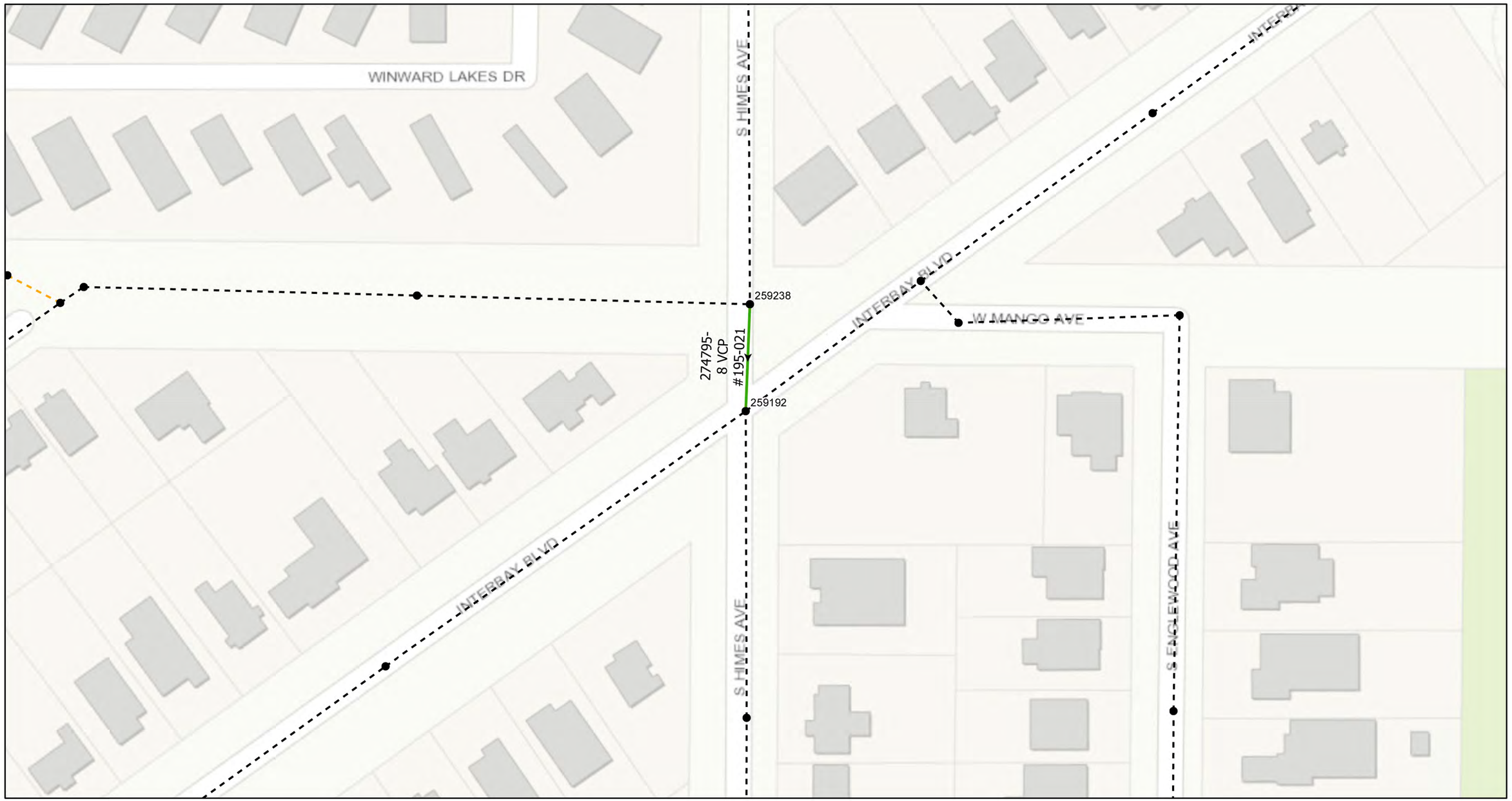
CITY of TAMPA
WASTEWATER DEPARTMENT

FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 26

SHEET 29

K:\WasteWater Projects\FY25 WW Tuberculated Gravity Pipe Rehab\Drafting\DWG\FY25 WW Tuberculated Gravity Pipe Rehab.dwg, 9/17/2025 3:50:24 PM



Legend

- Proposed Manhole Rehabilitation
- Ex Manhole (no rehabilitation required)
- PS Ex. Pump Station
- Proposed Lining Area
- Ex Gravity Main (No Rehabilitation Required)
- Ex Gravity Main (CIPP Lined or PVC)
- Ex Pressurized Main (No Rehabilitation Required)
- Pressurized Main, Out of Service
- Gravity Main, Out of Service

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

#	DATE	REVISIONS
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DES: CB
DRN: MRL
CKD:
DATE:

CITY of TAMPA
WASTEWATER DEPARTMENT

FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 27

SHEET 30

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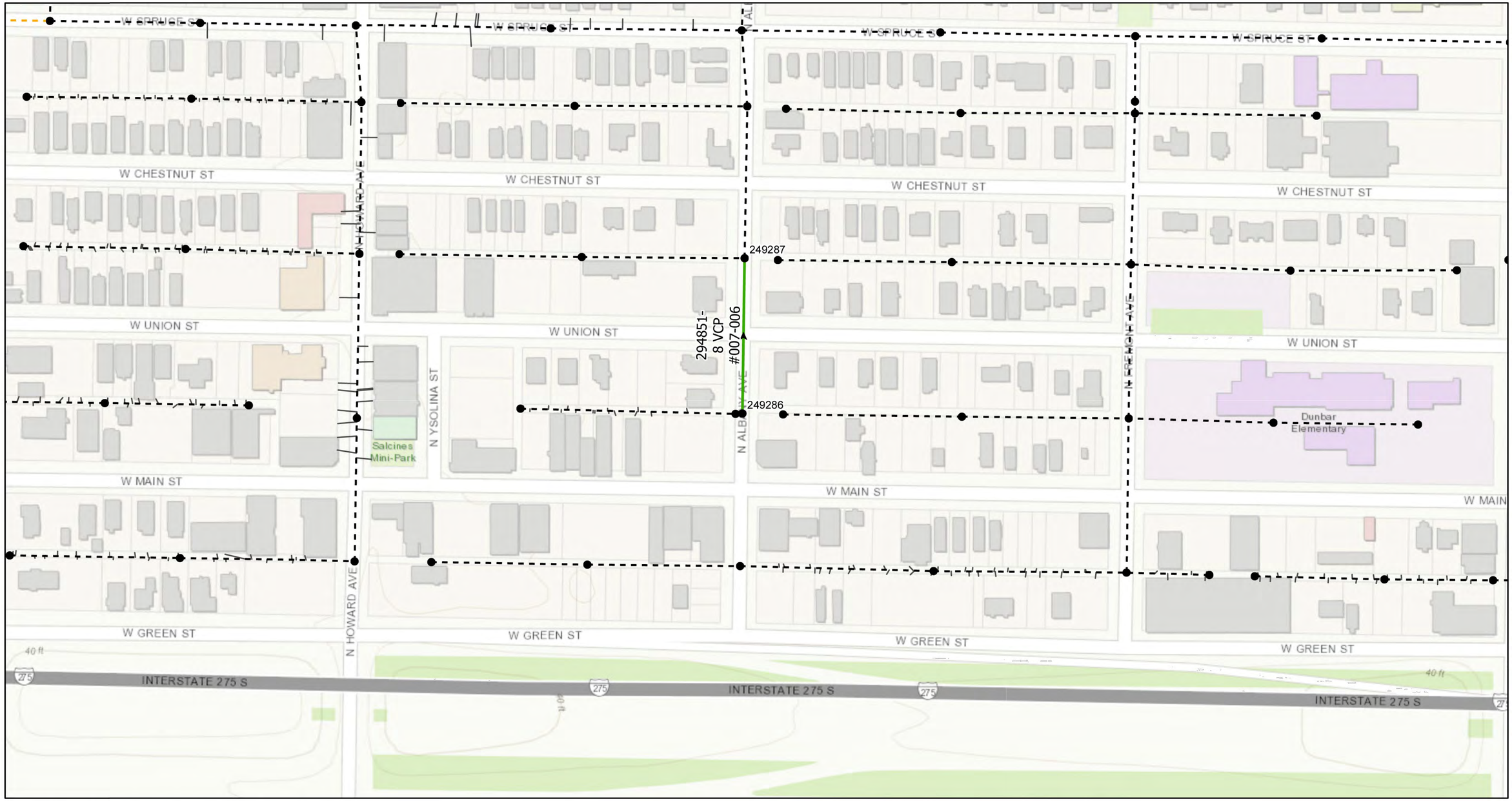

	#	DATE	REVISIONS	DES:	CB
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JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

CITY of TAMPA
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FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 28

SHEET
31

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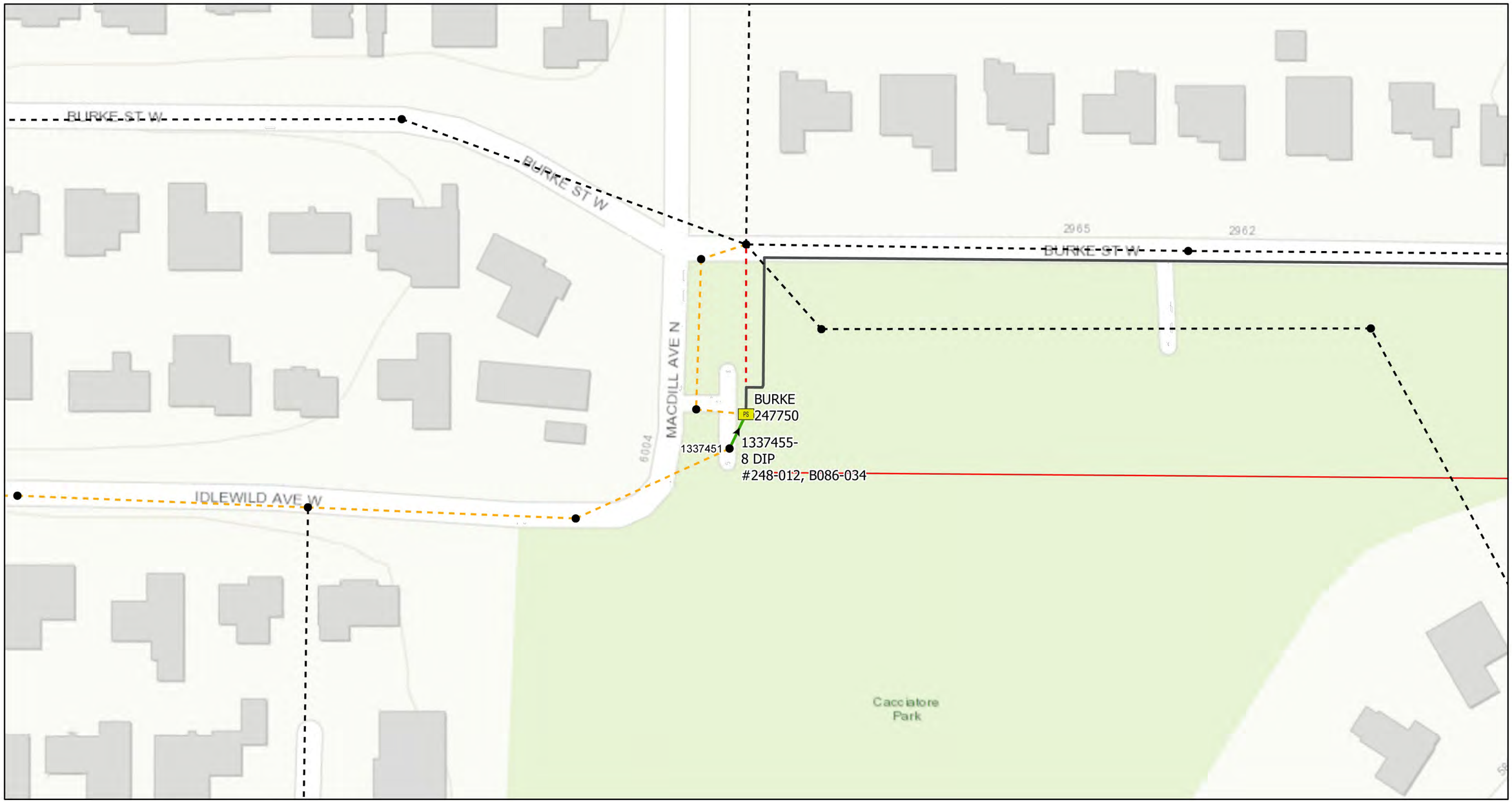

Legend

- Proposed Manhole Rehabilitation
- Ex Manhole (no rehabilitation required)
- PS Ex. Pump Station
- Proposed Lining Area
- Ex Gravity Main (No Rehabilitation Required)
- Ex Gravity Main (CIPP Lined or PVC)
- Ex Pressurized Main (No Rehabilitation Required)
- Pressurized Main, Out of Service
- Gravity Main, Out of Service

#	DATE	REVISIONS
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DES: CB
DRN: MRL
CKD:
DATE:

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

CITY of TAMPA
WASTEWATER DEPARTMENT

FY25 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION

AREA MAP 29

SHEET 32

K:\WasteWater Projects\FY25 WW Tuberculated Gravity Pipe Rehab\Drafting\DWG\FY25 WW Tuberculated Gravity Pipe Rehab.dwg, 9/17/2025 3:50:30 PM

PLAN — SURVEYED, PLOTTED, NOTE BOOK, NO. — LAYOUT CHECKED, RT. OF WAY CHECKED — DATE, BY

Note 2:
Chip out top of Exist. 18"RCP E. (1"±) to maintain Min. Slope of proposed 8" San.
Relay Exist. 18"RCP from Exist. Storm Mh (Sta 28+79) Northeasterly to a new inlet @ the N.E. corner @ a slope of 0.10%.

Const. Std. Inlet, Type I
Construct 51' Pavt See Typical Section Sheet No. 3
Exist. 8" San. Sewer
34TH AVE.
34TH R/W Line
ST.
10TH AVE.
11TH AVE.
Match Line
Sta. 28+00
Sta. 33+00
CONST 5' CONC. SIDEWALK
Exist. 8" San. Sewer
Note: Plug Exist. 10" San. V.C.P. at Exist. Mh to remain, Const. 8" & 8" VCP to prop. MH @ 7.5%
Note: Exist San. Mh to remain, plug N.E., after 10" & 8" VCP @ 0.32% to proposed MH is completed.
Exist. 72" Storm Sewer R.C.P.
Sun. 4 & 5 Construction
10" San. Sewer to be abandoned
East Inv. 15.76
NE Inv. 15.32
Inv. 18.7
8"± of 8" VCP
100.0'-8" VCP @ 0.32%
260.0'-8" VCP @ 0.32%
115.5'-8" VCP @ 0.32% bet. MH's
Inv. 17.65 (Exist. Inlet)
Exist. C.B.
Exist. Conc. Collar
Remove old Inlet & Pipe
Const. Std. Inlet, Type I
Const. Drop (1) MH Sta. 1+77.22 Inv. 20.62
Const. MH Sta. 2+55.78 Inv. 30.10±
Pl. S. MH Sta. 4+81.2 Inv. 32.40±
8" San. Sewer (Approx. Loc.)
Future 8" VCP San.
Storm Sewer M.H.
1-Story Fr. Res.
1-Story C.B. Res.
1-Story C.B. & Stucco Res.
261148
261146
261143
Vote: Remove exist C.B. and Const. new Std curb inlet Type I
Lay 32 linear Ft. 8" CIP San. Sewer from Sta 28+78 to Sta 29+10
Const. 40' of 8" VCP @ 0.32% & plug
Trees: Oak, Palm, Hickory, Persimmon, Abor Vitae, Shrub, Mango, Fla Orchard, Hedge

PROFILE — SURVEYED, PLOTTED, NOTE BOOK, NO. — GRADES CHECKED, B. M.'s NOTED, STRUCTURE NOTATIONS CHKD. — DATE, BY

Pavt. & Grade = +0.58%
Pavt. & Grade = +0.44%
Pavt. & Grade = +0.43%
Const. Std. Lake Drop (1) MH Top El. 21.37
Const. Std. 4 side MH Top El. 22.02
Const. Std. 4 side MH Top El. 23.30
Exist. Tele. Cable
Exist. 6" W.
Exist. 2" Gas
Exist. 8" San. East Inv. El. 19.5
Exist. 8" W Top El. 21.50±
Prop. 8" VCP West (10'±) Inv. El. 20.02
Exist. 8" San. East Inv. El. 19.45±
10" San.
4'-6" Conc. Box
130.0'-8" VCP @ 0.32% bet. MH's.
8" VCP North & South Inv. El. 18.87
8" VCP North, South & West Inv. El. 18.04
Exist. 18" RCP N.E. (See Note 2)
100.0'-8" VCP @ 0.32%
115.5'-8" VCP @ 0.32% bet. MH's.
72" Storm Sewer (R.C.P.)
8" VCP South & East Inv. El. 15.40
72" RCP @ 0.27%
Inv. 12.24
Sta. 1+73± & 10th Ave.
Sta. 1+63 & St. Sewer M.H.
Sta. 1+07 & 11th Ave.
Sta. 1+46 & St. Sewer M.H.
Inv. 12.92
72" RCP @ 0.22%
15" RCP E. Inv. 16.52
W. Inv. 15.06±
Exist. 2'-6" Conc. Box
Exist. 8" W
Exist. Tele. Cable
Exist. Tell Cable
Exist. 6" W.
Exist. 8" San. East Inv. El. 19.5
Exist. 8" W Top El. 21.50±
Prop. 8" VCP West (10'±) Inv. El. 20.02
Exist. 8" San. East Inv. El. 19.45±
10" San.
4'-6" Conc. Box
130.0'-8" VCP @ 0.32% bet. MH's.
8" VCP North & South Inv. El. 18.87
8" VCP North, South & West Inv. El. 18.04
Exist. 18" RCP N.E. (See Note 2)
100.0'-8" VCP @ 0.32%
115.5'-8" VCP @ 0.32% bet. MH's.
72" Storm Sewer (R.C.P.)
8" VCP South & East Inv. El. 15.40
72" RCP @ 0.27%
Inv. 12.24
Sta. 1+73± & 10th Ave.
Sta. 1+63 & St. Sewer M.H.
Sta. 1+07 & 11th Ave.
Sta. 1+46 & St. Sewer M.H.
Inv. 12.92
72" RCP @ 0.22%
15" RCP E. Inv. 16.52
W. Inv. 15.06±
Exist. 2'-6" Conc. Box
Exist. 8" W Top El. 21.50±
Prop. 8" VCP West (10'±) Inv. El. 20.02
Exist. 8" San. East Inv. El. 19.45±
10" San.
4'-6" Conc. Box
130.0'-8" VCP @ 0.32% bet. MH's.
8" VCP North & South Inv. El. 18.87
8" VCP North, South & West Inv. El. 18.04
Exist. 18" RCP N.E. (See Note 2)
100.0'-8" VCP @ 0.32%
115.5'-8" VCP @ 0.32% bet. MH's.
72" Storm Sewer (R.C.P.)
8" VCP South & East Inv. El. 15.40
72" RCP @ 0.27%
Inv. 12.24
Sta. 1+73± & 10th Ave.
Sta. 1+63 & St. Sewer M.H.
Sta. 1+07 & 11th Ave.
Sta. 1+46 & St. Sewer M.H.
Inv. 12.92
72" RCP @ 0.22%
15" RCP E. Inv. 16.52
W. Inv. 15.06±
Exist. 2'-6" Conc. Box
Exist. 8" W Top El. 21.50±
Prop. 8" VCP West (10'±) Inv. El. 20.02
Exist. 8" San. East Inv. El. 19.45±
10" San.
4'-6" Conc. Box
130.0'-8" VCP @ 0.32% bet. MH's.
8" VCP North & South Inv. El. 18.87
8" VCP North, South & West Inv. El. 18.04
Exist. 18" RCP N.E. (See Note 2)
100.0'-8" VCP @ 0.32%
115.5'-8" VCP @ 0.32% bet. MH's.
72" Storm Sewer (R.C.P.)
8" VCP South & East Inv. El. 15.40
72" RCP @ 0.27%
Inv. 12.24
Sta. 1+73± & 10th Ave.
Sta. 1+63 & St. Sewer M.H.
Sta. 1+07 & 11th Ave.
Sta. 1+46 & St. Sewer M.H.
Inv. 12.92
72" RCP @ 0.22%
15" RCP E. Inv. 16.52
W. Inv. 15.06±
Exist. 2'-6" Conc. Box

CITY OF TAMPA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS
34th STREET
(E. Broadway, North)

Sept. 1963 — R&R 45, W.O. 1600 — Scale: 1"=20' 1"=2' — Sheet 3 OF 8

PLATE 1 - PLAN - PROFILE O. P. R. & R. E STANDARD
KEUFFEL & ESSER CO. NEW YORK.
K & E Co. No. 347-1R

PLAN — SURVEYED, PLOTTED, NOTE BOOK, NO. — ALIGNMENT CHECKED, RT. OF WAY CHECKED, BY, DATE

PROFILE — SURVEYED, PLOTTED, NOTE BOOK: 5-32-62, NO. 22-72, GRADES CHECKED, R & R WORK, STRUCTURE NOTATIONS CH'KD, BY: A.C.Jr., A.C.Jr., S.H.D., DATE: 6-62, 5-62

34TH AVE. — Sta. 33+00 — 34TH ST. — Sta. 39+00 — 13TH AVE. — 12TH AVE.

Const. Std. Inlet, Type I — Palm — High line Palms — 8" San. Sewer — 5" Ora. — 12" Mango — 42" Oak — 48" Oak — 6" C-trus — 14" Hickory — 12" Oak — 48" Oak — Seal spd. with 8" brick wall — 12" Conc. Pipe ± R/W — 15" Conc. Pipe ± R/W — 12" Mulberry — 15" Dirt D/W — Powder Puff — Florida Corpus Bush — Juniper

℄ Curve Data (Stationing thru P.I.)
P.I. Sta. 36+64.37, 37+05.03
Δ = 2°21'44"
D = 2°57'04"
R = 1941.58
T = 40.03
L = 80.65
P.C. = 35+87.94
P.R.C. 36+65
P.T. 37+45.06

1-Story Fr. Res. — 1-Story Stucco Res. — Const. Std. M.H. Bx-1A — Const. Std. Inlet, Type I — Const. Std. Inlet, Type I — Const. Std. Inlet, Type I — Const. Std. Inlet, Type I — Const. Std. Inlet, Type I

Exist. Grate Inlet Inv. El. 20.79 — Interstate 4 Limited Access — Sta. 38+29.87 — Survey ℄ — Const. 5' S/W — Const. 5' S/W

261138

Const. 1-6' C.I.P. Curb Inlet & Pipes — Const. 1-6' C.I.P. Curb Inlet & Pipes — Remove old Inlet & Pipe

Const. 5' CONC. SIDEWALK — Revise Line Z — Survey ℄ and ℄ Const.

Ex. 10" San. Sewer to be abandoned — 130.0' bet. MH's 5 & 6 @ 0.32% — Exist. 10" San. Sewer to be replaced — 245.5' - Dist. bet. MH's. — 229.5' - 8" VCP @ 0.80% — 16.0' - Exist. 10" CIP — 307.0' bet. MH's. 8" VCP @ 0.40% — ℄ Const. — Exist. 10" San. Sewer to be abandoned

Const. 26.0' of 8" VCP @ 0.32% — Const. 51' Pavt. See Typical Section Sheet No. 3 — ℄ Overpass bridges

Const. New MH Sta. 33+92.5 = 9' East of ℄ Sta. 33+95 — Const. New MH Sta. 36+57.5 = 2' East of ℄ Sta. 36+45.0

Note: Connect New 8" VCP to Exist. C.I.P. San. through Storm MH with 9" conc. collar Exist. Inv. El. 19.2 ±

No Bureau of Sanitary Sewers record of Exist. 10" San. East

Future 8" VCP San. — 8" San. Sewer to be replaced

Brick Res. — Match Line — Match Line

118' — 110' — 135' — 130' — Interstate No. 4 Limited Access

Pavt. & Grade = +0.43% — Pavt. & Grade = +0.47% — Pavt. & Grade = +0.40%

Exist. 16"G — Exist. 12"W — Exist. 8" C.I.P. West Inv. El. 19.3± — 10" San. — 8"VCP North & South Inv. El. 19.29 — 130.0'-8" VCP @ 0.32% bet. MH's. — 16' — Exist. 16'-10" C.I.P. — 24" St. Sewer — 280.5'-8" VCP @ 0.80% — Const. Std. 4 Leg M.H. Top Elev. 24.02 — Const. Std. 4 Leg M.H. Top Elev. 25.11 — 18" R.C.P. Storm — 8" VCP North, East & South Inv. El. 21.25 — Exist. 8" San East Inv. El. 21.4 ± — 8" W — 307.0' - 8" VCP @ 0.40% bet. MH's. — 72"

Sta. + 39.5 ℄ San. Sewer M.H. 1 — Sta. 1+00 ℄ San. Sewer M.H. 2 — Sta. 1+39.5 ℄ San. Sewer M.H. 3 — Sta. 1+45 ℄ San. Sewer M.H. 4 — Sta. 1+85 ℄ San. Sewer M.H. 5 — Sta. 2+29.5 Storm M.H. 7

CITY OF TAMPA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

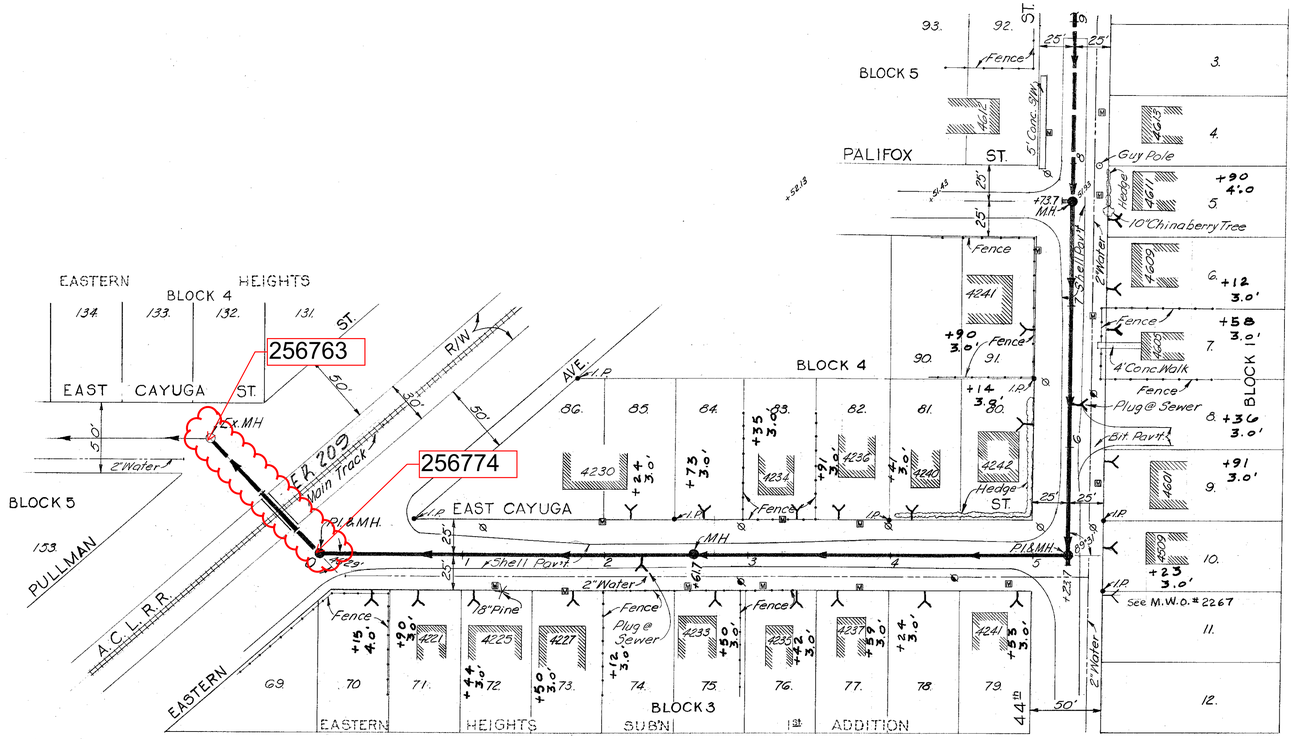
34th STREET

(E. Broadway, North)

Sept. 1963 — R&R 45, WO. 1600 — Scale: 1"=20', 1"=2' — Sheet 4 OF 8

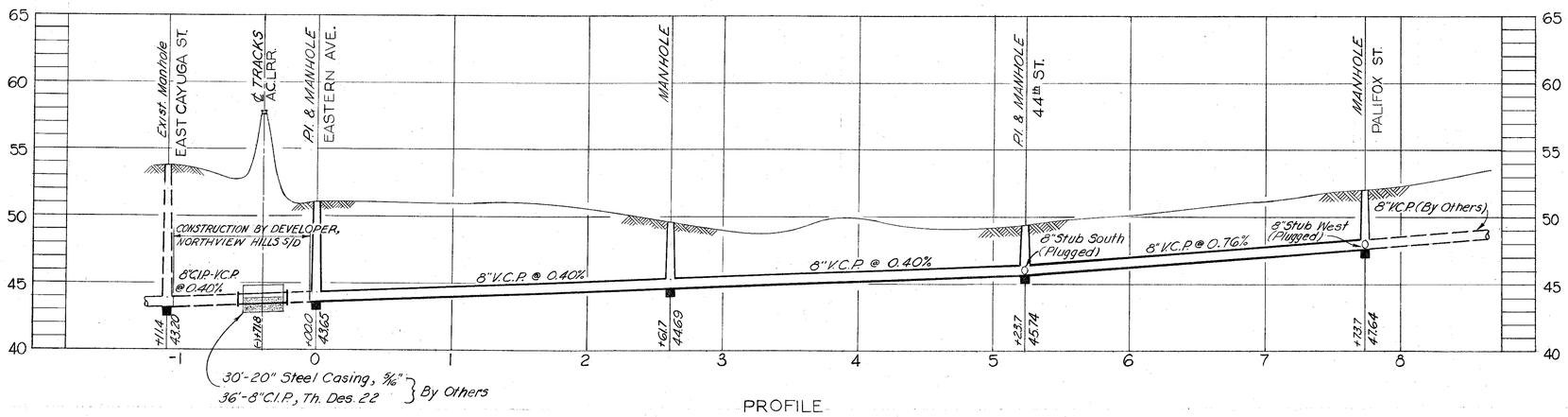
PLATE 1 - PLAN - PROFILE O.P.R & R.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK
K & E Co No 347-1R

1-25



PLAN

T.B.M. = Railroad spike in power pole at N.W. Cor. of Cayuga & Pullman. (Run in from City of Tampa B.M. A-854) Elev. 54.280



PROFILE

For Construction noted "By Others" See plans prepared by Delta Engineering Co. dated 4-22-64 for Northview Hills Subdivision.

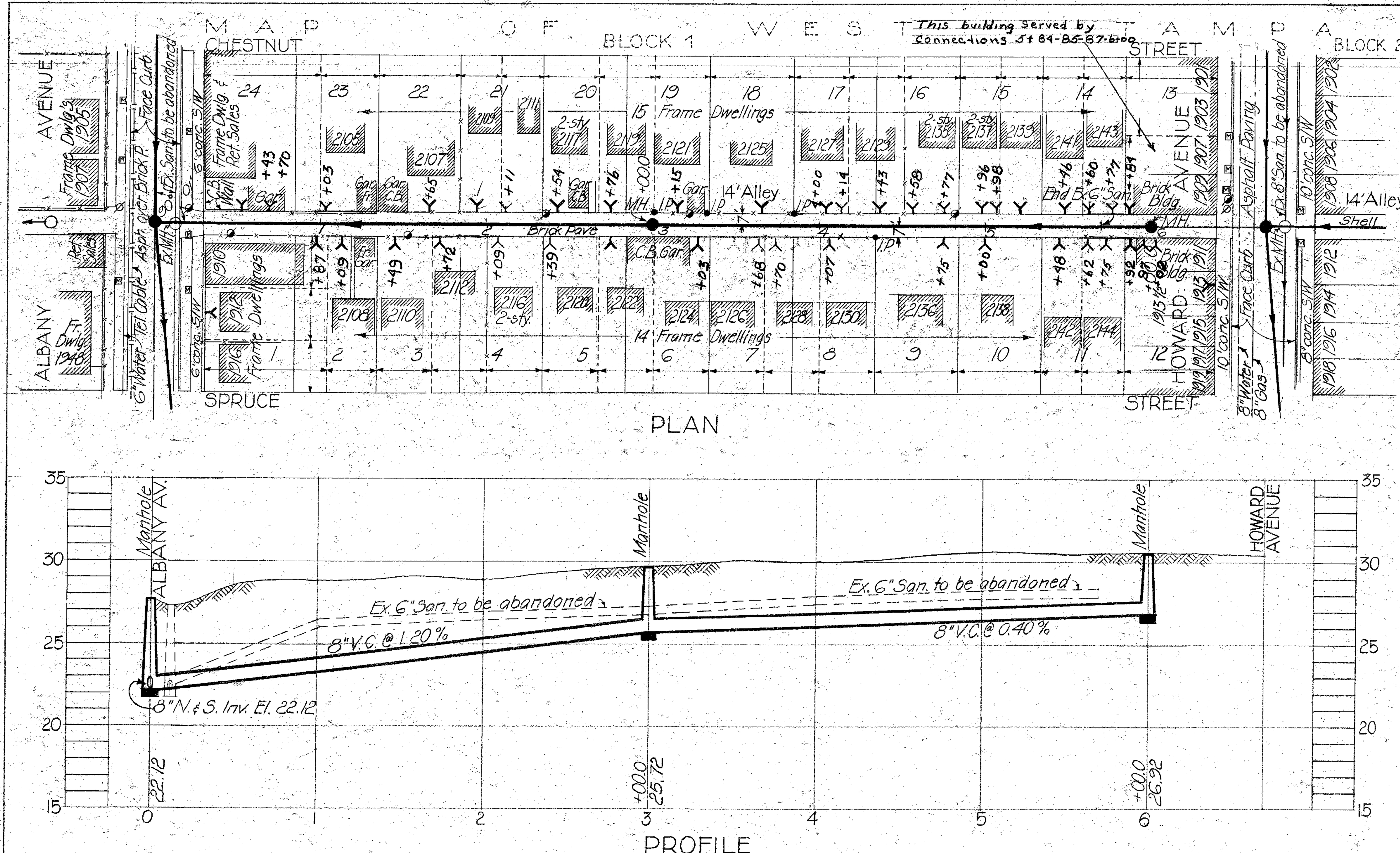
R & R 48 W.O. 1656

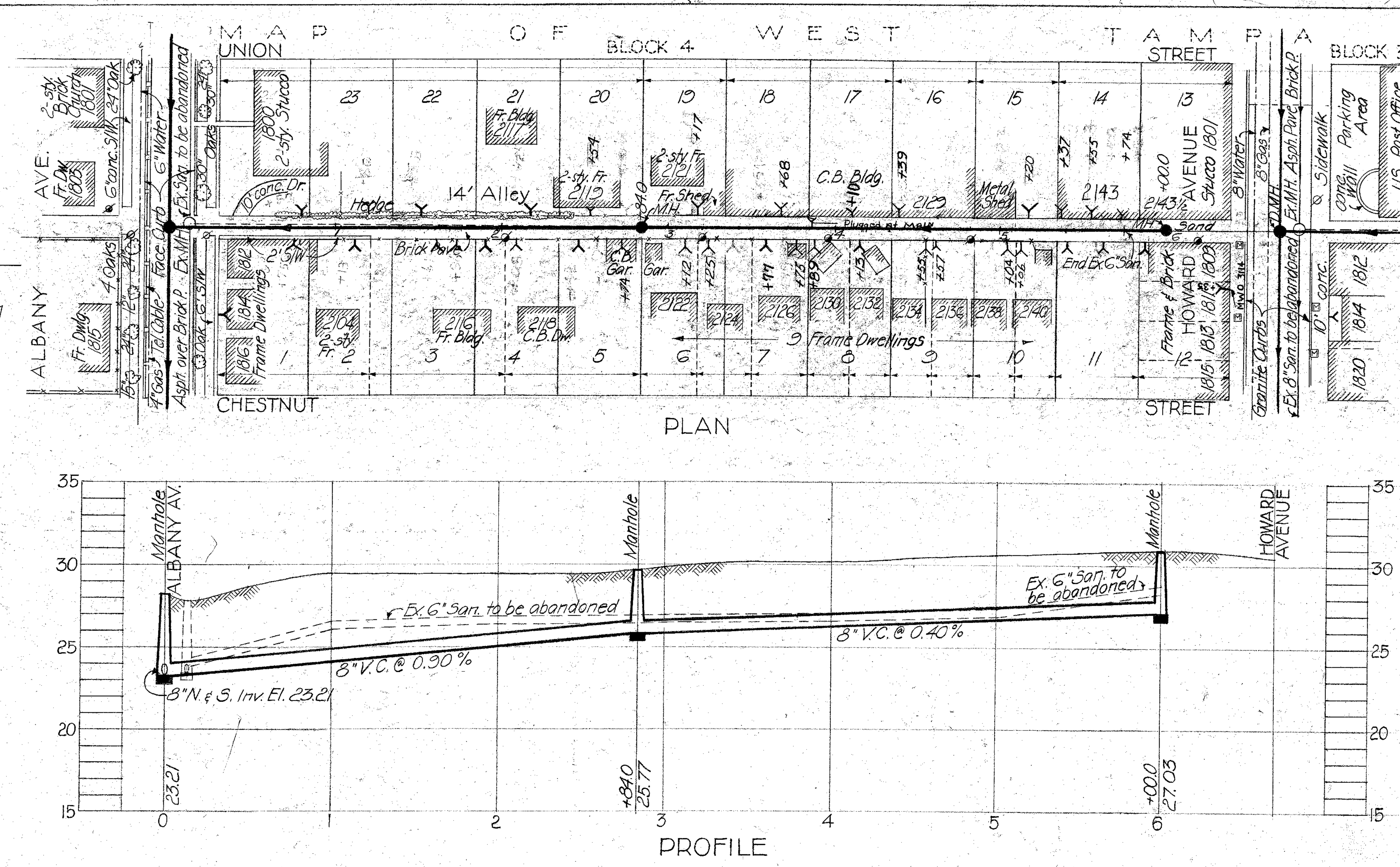
CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS
Drainage Subdistrict A - 10

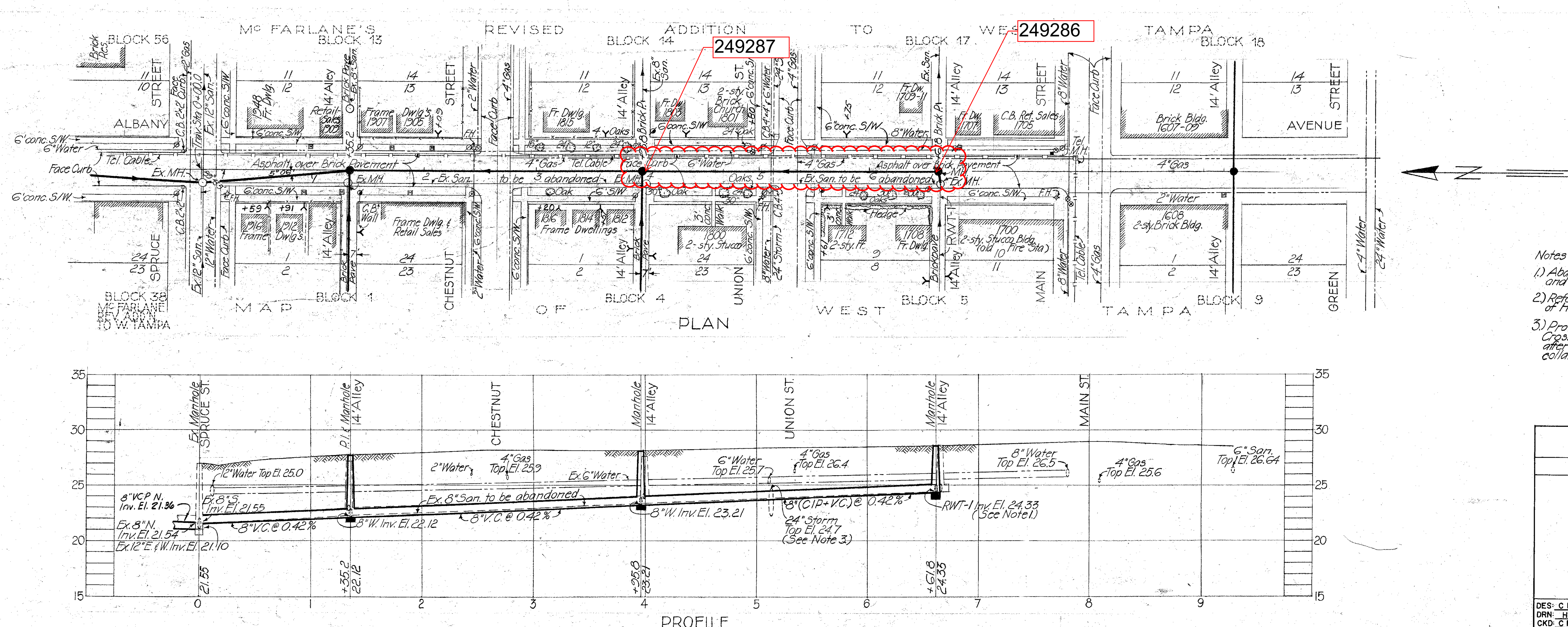
EAST CAYUGA ST.; Eastern Ave. to 44th St.
44th ST.; Cayuga St. to Palifox St.

DES: P.A.L. DRN: P.A.L. CKD: C.T.-A.C. DATE MAY 1964	SCALE 50 0 50 100 1" = 50'	SHEET 4 OF 8

4-41







Notes:

1.) Abandon Ex. San. MH. 12'± West of Prop. MH.@ Sta. 6+61.8 and connect existing sewer as required by field condition.

2.) Reference Elevation: Nail in power pole @ SE corner of Howard Ave. and Spruce St; Elevation 30.551

3.) Provide Min. 4' length of 8"CIP through 24" Storm Crossing (Sta 5+13±). Grout any opening in Storm after Sanitary placement. Provide Standard conc. collar for jointing VCP and CIP.

HSE. CONN'S. FROM DAILY REPORTS

BUREAU OF SAN. SEWERS

CITY OF TAMPA, FLORIDA THIRD SEWER REVENUE BOND PROGRAM	
SEWER IMPROVEMENTS	
ALLEY N. OF CHESNUT - Albany to Howard ALLEY N. OF UNION - Albany to Howard ALBANY - Spruce to Alley N. of Main	
DES: C M T DRN: H K CKD: C M T SCALE: 1"=50 DATE: 5-1962	RENEWAL & REPLACEMENT PROGRAM PROJECT: 3-1 SUBDISTRICT: A-5
SHEET: 6 OF 9	

7-6

PLAN — SURVEYED, PLOTTED, GRADES CHECKED, NOTE BOOK, NO. — ALIGNMENT CHECKED, R/T OF WAY CHECKED, STRUCTURE NOTATION CHECKED — BY — DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, NOTE BOOK, NO. — STRUCTURE NOTATION CHECKED — BY — DATE

OKLAHOMA AVENUE — Line "A-2" — Line "A-1" — SOUTH LOIS AVENUE — SOUTH CLARK AVENUE — SOUTH GRADY AVENUE

MH A2A — DMH A0C — MH "A1A" — MH "A1-B" — MH A1C — MH A1-D — MH A1E — MH A1F — MH A1G — MH A1H

GANDY MANOR — ADDITION — 2ND ADDITION — GANDY MANOR ADDN — ALTA VISTA — TRACTS — INTERBAY — SUBDIVISION

Natural Ground — Proposed Pavement & Grade

PROFILE LINE "A-2" — 8" VCP @ 0.30% — Line A-0 Inv. El. = 1.30

PROFILE LINE A-1 — 8" VCP @ 0.30% — 8" V.C.P. @ 0.80%

PROFILE LINE "A-1" — 8" VCP @ 0.30%

257508 — 257507 — 257506

GANDY MANOR 2ND ADDITION
TAMPA, FLORIDA.
Sewage Collection System & Pumping Station.
LINES A-1 & A-2
April 23, 1954 — Scale Horiz 1"=50' Vert 1"=5'

PIMM ENGINEERING CO.
TAMPA, FLORIDA
BY Alan B. Pimm
Alan B. Pimm, Reg Engr. #4275.

APPROVED April 27, 1954
CITY OF TAMPA, FLORIDA.
BY B.M. Duncan
B.M. Duncan, Superintendent, Bureau of Sanitary Sewers.

3

H.C Added 2-9-59
W & P

PLATE 2 PLAN PROFILE O P R & R E STANDARD
KEUFFEL & ESSER CO NEW YORK
K & E Co No 3452

GANDY MANOR - 2ND ADDN
15-3

PLAN
PROFILE
NOTE BOOK
NO

AVENUE Sta 0+25 | WYOMING | ALTA VISTA AVENUE | TRACTS | AVENUE

Sta 0+00 — Line A3A — Sta 0+25 — Sta 1+00 — Sta 2+00 — Sta 3+00 — Sta 4+00 — Sta 5+00 — Sta 6+00 — Sta 7+00 — Sta 8+00 — Sta 9+00 — Sta 10+00 — Sta 11+00 — Sta 12+00

8" Stub — MH A3A — MH A3A A — MH A3A B — MH A3A C — MH A3A D — MH A3A E — MH A3A F — MH A3A G — MH A3A H

Line A3D — Line A3C — Line A3B — Line A3A

8' — 30 — 30' — 30

R/W Line — ℄ Conc Curb — Storm Sewer — CI — Curb Inlet — Valley Gutter — Catch Basin

LOIS R/W Line — CLARK R/W Line — GRADY R/W Line — CHURCH R/W Line

+615 25 | +39 30 50 | +095 35 | +90 34 | +62 35 | +35 30 | 45 | +19 42 | +074 35 | +11 25 | +88 30 | +62 25 | +305 30 | +12 30 | +855 35 30 | +606 30

+635 35 | +40 31 51 | +145 25 | +92 28 | +65 30 | +38 35 | 46 | +17 32 | +87 30 | +12 30 | +88 30 | 41 | +62 28 | +36 3.10 | +12 30 | +85 30 36 | +61 30

PLAN

Manhole A3A 11.45 — Manhole A3A B 11.50 — Manhole A3A C 12.48 — Manhole A3A D 13.47 — Manhole A3A E 12.43 — Manhole A3A F 11.41 — Manhole A3A G 12.39 — Manhole A3A H 12.98

Proposed Pavement ℄ Grade — Natural Ground

15" R.C.P Storm Sewer, Inv El = 7.00 — 15" R.C.P Storm Sewer, Inv El = 8.20 — 15" R.C.P Storm Sewer, Inv El = 9.75

8" Stub (West) Inv El = 2.36 — Line A3 Inv El = 2.67

325' 8" V.C.P. @ 0.30% — 325' 8" V.C.P @ 0.30% — 327.5 8" V.C.P @ 0.30% — 327.5 8" V.C.P @ 0.30%

PROFILE

LINE A-3A"

Sta 0+00 to Sta 12+00

Sta 0+00 — Sta 1+00 — Sta 2+00 — Sta 3+00 — Sta 4+00 — Sta 5+00 — Sta 6+00 — Sta 7+00 — Sta 8+00 — Sta 9+00 — Sta 10+00 — Sta 11+00 — Sta 12+00

INTERBAY SUBDN — WYOMING — AVENUE — GRADY — CHURCH

+433 26 | +25 13 | +35 25 | +55 22 | +31 25 | +04 25 | +09 26 | +57 27 | +35 25 | +10 24 | +06 24 | +47 | +07 20 | +65 15 | +20 18 | +02 00 | +00 | +17 00 | +35 15

Sta 13+35 — Sta 13+05 — Sta 19+47 — Sta 19+77 — Sta 20+07 — Sta 23+02.00 — Sta 24+17.00

MH A-3A-D — MH A-3A-E — MH A-3A-F — MH A-3A-G — MH "A-3A-H" — 8" Stub South

Storm Sewer — Catch Basin — Valley Gutter — ℄ Conc Curb — R/W Line — CI

257441 — 257442 — 257440

PLAN

Manhole A3A D 13.47 — Manhole A3A E 12.43 — Manhole A3A F 11.41 — Manhole A3A G 12.39 — Manhole A3A H 12.98

Proposed Pavement ℄ Grade — Natural Ground

15" R.C.P Storm Sewer, Inv El = 7.00 — 15" R.C.P Storm Sewer, Inv El = 8.20

336' 8" V.C.P @ 0.30% — 336' 8" V.C.P @ 0.30% — 325' 8" V.C.P encased in conc of 8" C.I.P @ 0.30%

15" R.C.P encased in conc of 8" C.I.P. @ 0.30%

PROFILE

LINE "A-3A"

Sta 12+00 to Sta 24+17

Sta 12+00 — Sta 13+00 — Sta 14+00 — Sta 15+00 — Sta 16+00 — Sta 17+00 — Sta 18+00 — Sta 19+00 — Sta 20+00 — Sta 21+00 — Sta 22+00 — Sta 23+00 — Sta 24+00

NOTE

Specifications For Gen'l. Sewer & Sewage Collection System, Dated June 7, 1955 Are Hereby Made Applicable To This Work.

APPROVED Sept. 8, 1955.
CITY OF TAMPA, FLORIDA.
BY _____
B.M. Duncan, Superintendent
Bureau Of Sanitary Sewers.

REVISED.
April 18, 1957.
Jan 2, 1958
May 12, 1958.
May 20, 1958.

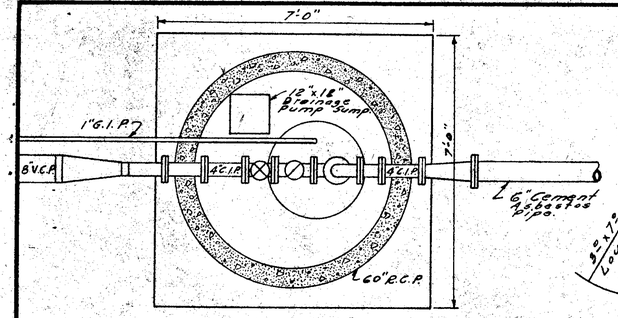
PIMM ENGINEERING CO.
104 JACKSON ST
TAMPA, FLORIDA.

BY Alan B Pimm
Alan B Pimm, Reg Engr #425

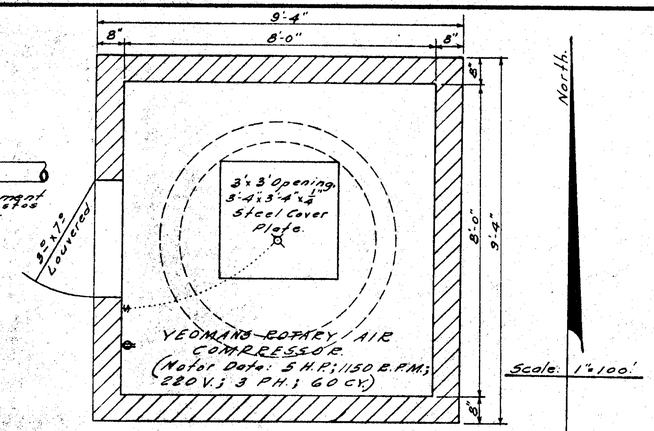
GANDY MANOR ESTATES.
TAMPA, FLORIDA.
Sewage Collection System.
LINE A-3A'
September 7, 1955 Scale Horiz. 1"=40' Vert 1"=5'

PLATE 2 PLAN PROFILE O P R & R E STANDARD
KEUFFEL & ESSER CO NEW YORK
K & E Co No 345 2

19 Revised 5-19



SECTION "A-A"
Scale: $\frac{1}{2}$"=1'-0"



SECTION "B-B"
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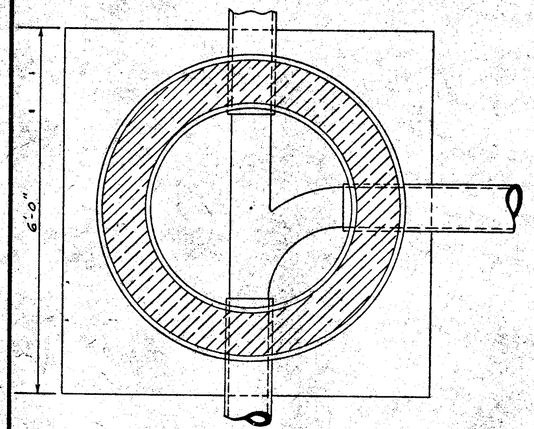
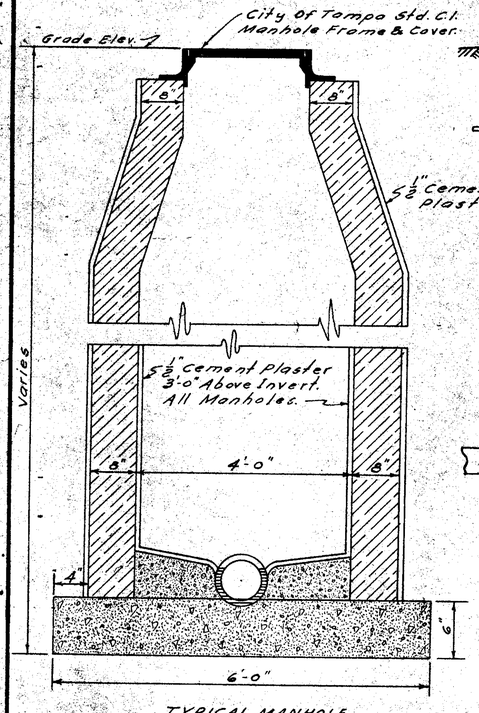
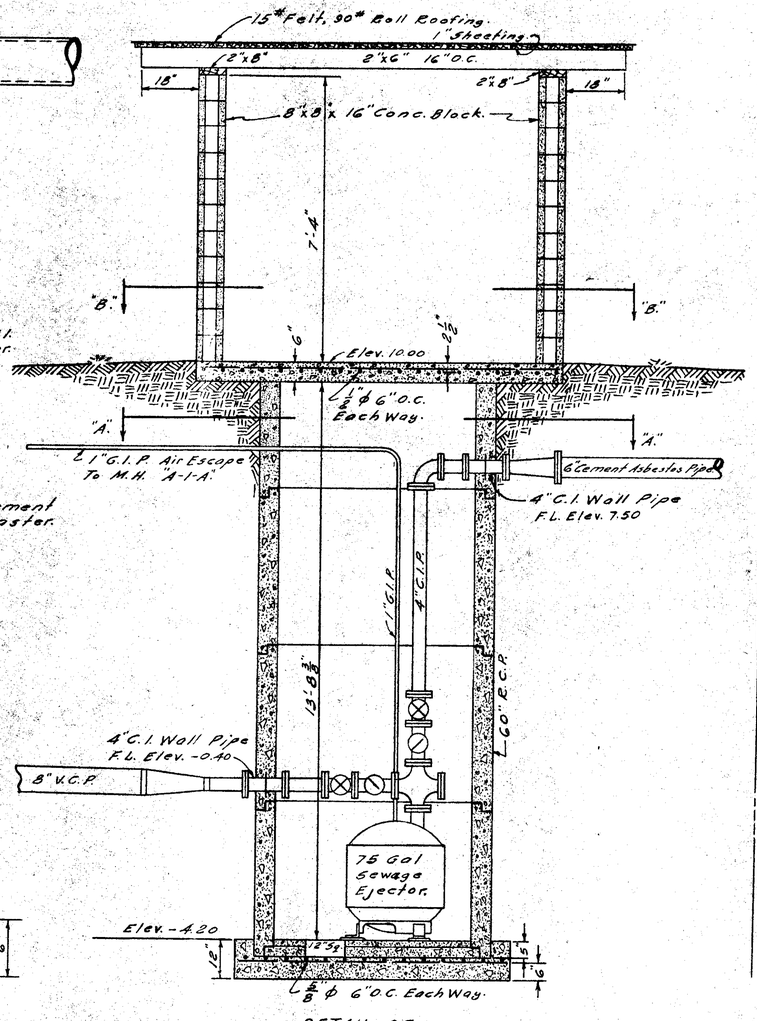


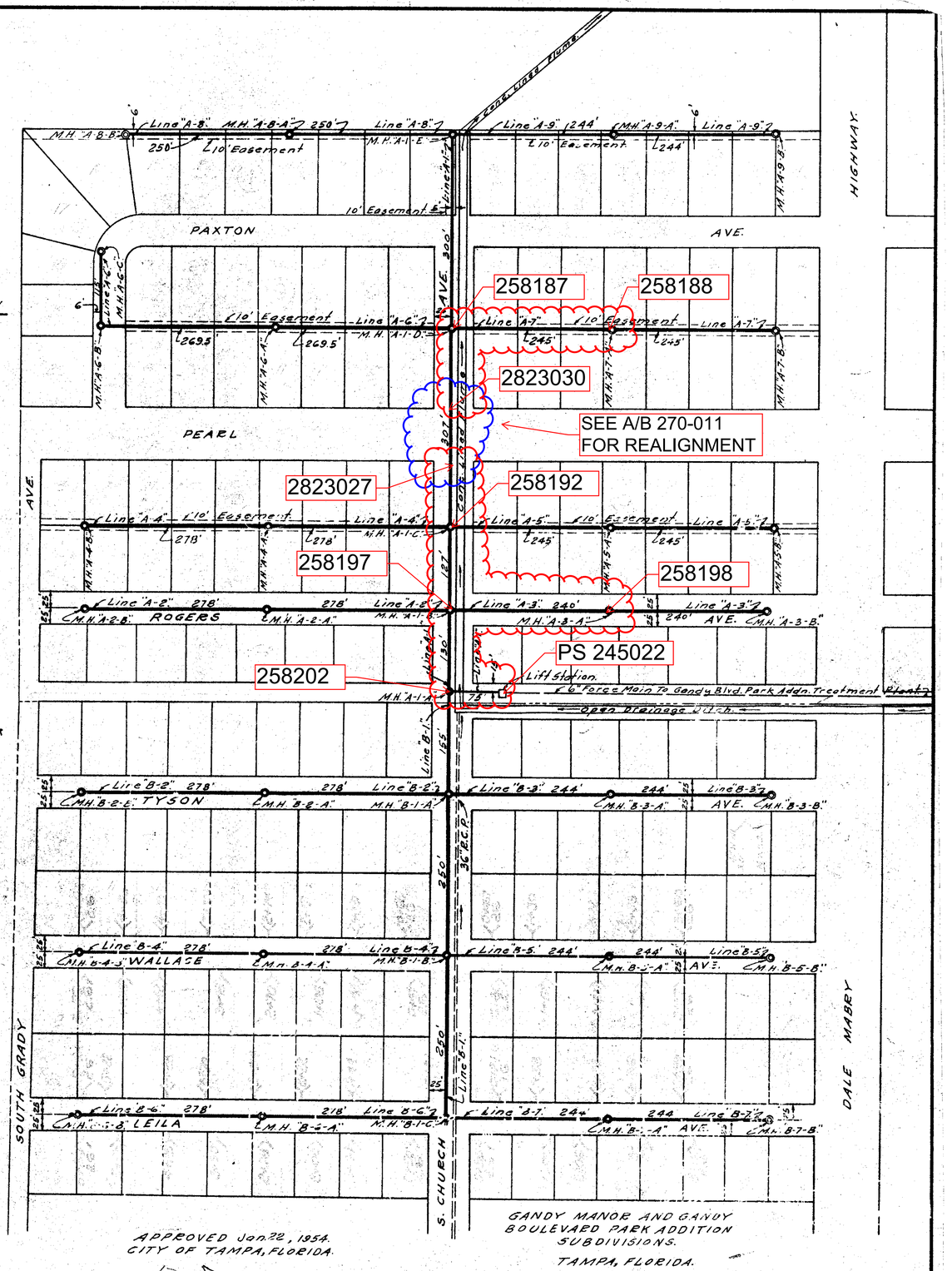
PLAN OF MANHOLE.
Not To Scale.



TYPICAL MANHOLE.
Not To Scale.



DETAIL OF LIFT STATION.
Scale: $\frac{1}{2}$"=1'-0"



APPROVED Jan. 22, 1954.
CITY OF TAMPA, FLORIDA.

By: J. M. Duncan
J. M. Duncan, Superintendent,
Bureau of Sanitary Sewers.

GANDY MANOR AND GANDY BOULEVARD PARK ADDITION SUBDIVISIONS.

TAMPA, FLORIDA.

Gandy Manor Sewage Collection System And Modification Of Gandy Blvd. Park Addn. Treatment Plant.

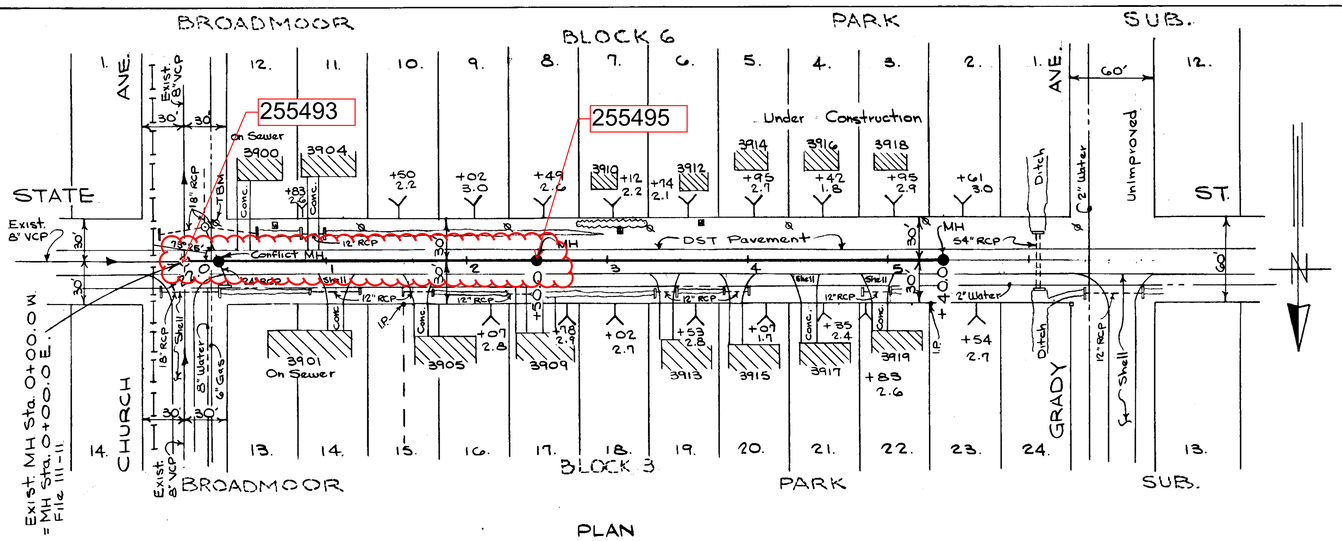
Dec. 1, 1953. Scale: As Shown.

PIMM ENGINEERING CO.
TAMPA, FLORIDA.

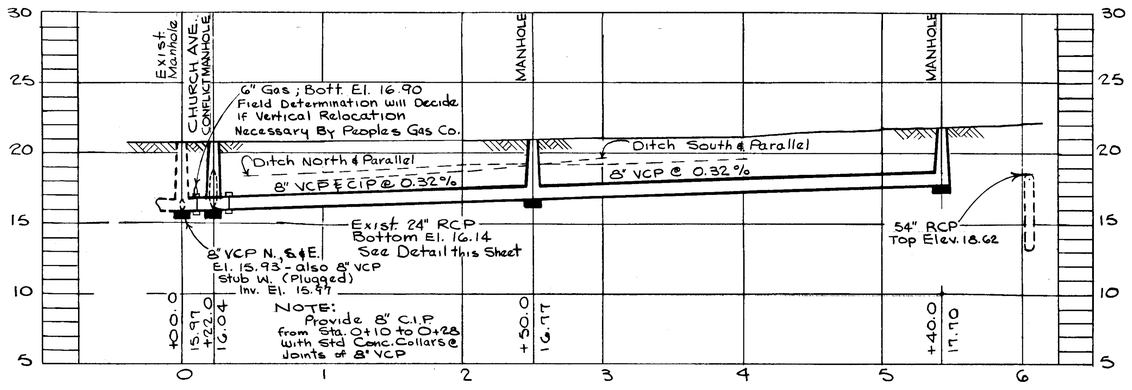
BY: Alan B. Pimm
Alan B. Pimm, Reg. Engr. No. 425.

19-5

SHEET 1 OF 4 SHEETS.

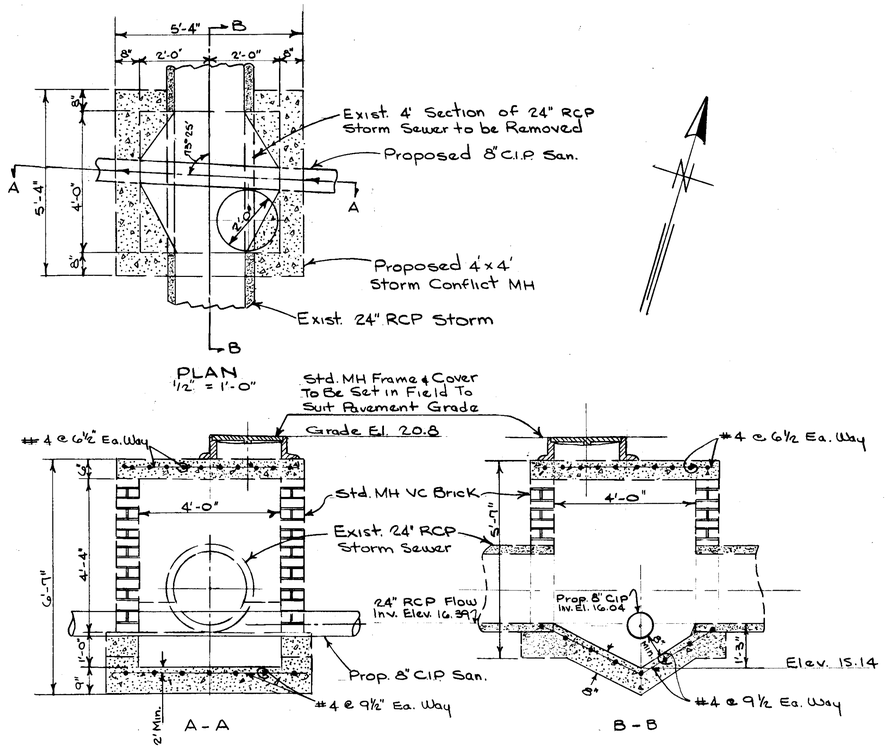


PLAN



PROFILE
W.O. 2193

NOTES:
1.) Bench Mark For W.O. 2193 Nail in Telephone Pole West Side of Church Ave. South of Drainage Ditch South of State St. Elev. 19.485



Detail of 8" C.I.P. @ Storm Box Crossing on State St. 22' West of M.H. @ Church Ave.

AS BUILT PLAN to show actual conditions in accordance with constr. and field check records.

12-1-16

SEWER LINE LOCATION

SEC. MAP No.	LINE No.
I-9-	71

R&R 63 W.O. 2193

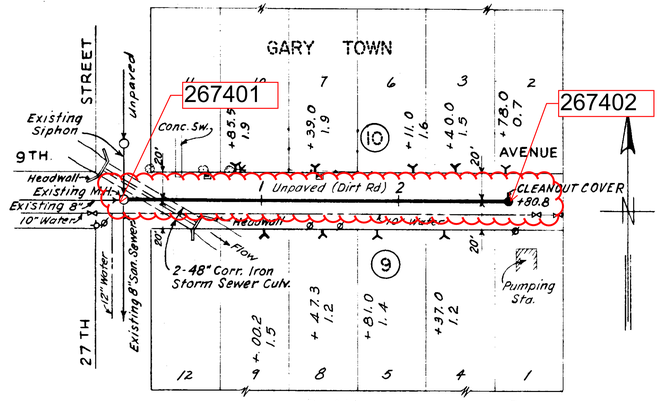
CITY OF TAMPA, FLORIDA

RENEWAL & REPLACEMENT

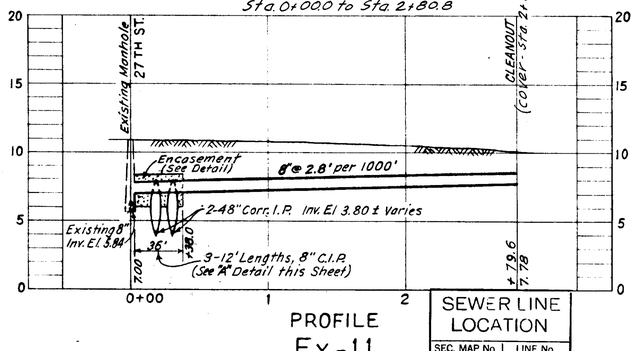
SEWER IMPROVEMENTS

STATE ST. : Church Ave. to Grady Ave.

DES. G.L.N	SCALE 50 0 50 100
DRN. G.L.N	1" = 50'
CKD. C.N.T	
DATE MAY 1970	SHEET 23-6 of



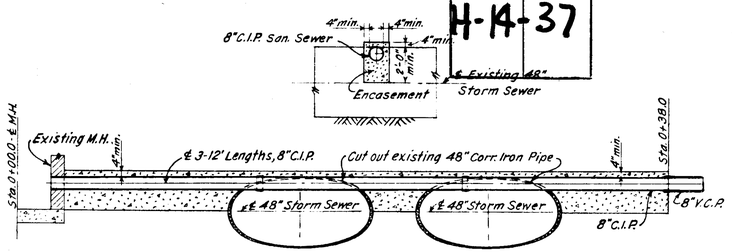
PLAN
Unpaved
Sta. 0+00.0 to Sta. 2+80.8



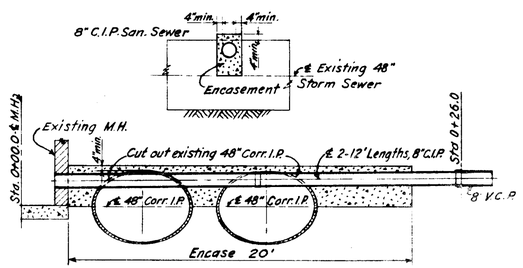
PROFILE
Ex-11

SEWER LINE LOCATION

SEC. MAP No.	LINE No.
H-14-37	

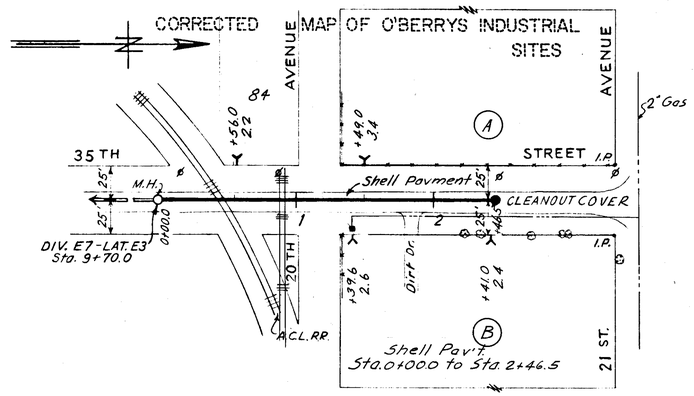


"A" DETAIL OF ENCASEMENT
Scale 1/4" = 1'-0"

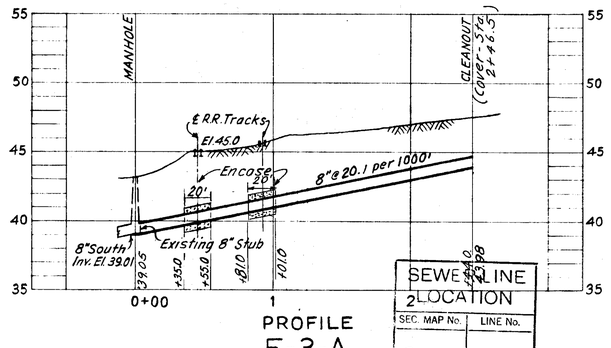


"B" DETAIL OF ENCASEMENT
Scale 1/4" = 1'-0"

DEPT. OF PUBLIC WORKS
SEWER CONSTRUCTION OFFICE

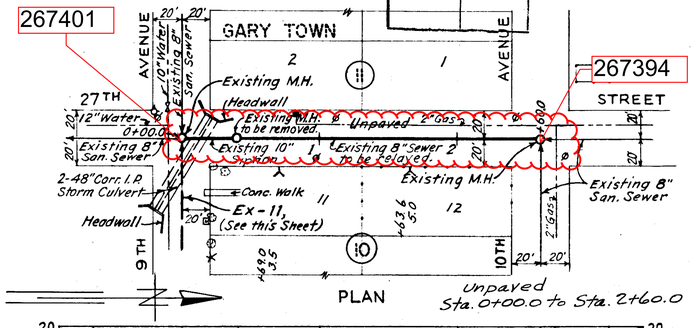


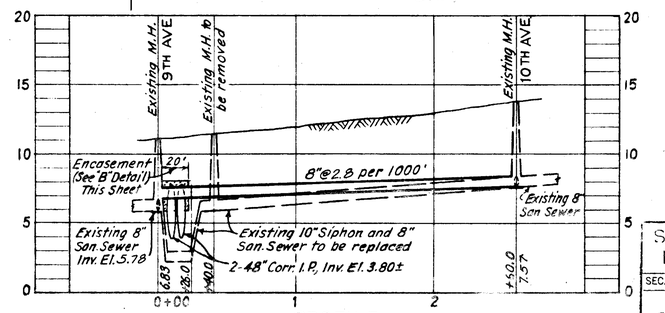
PLAN

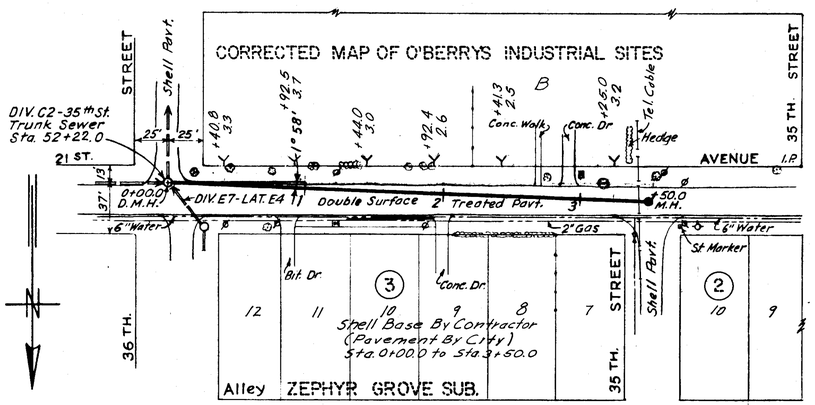


SEWER LINE LOCATION

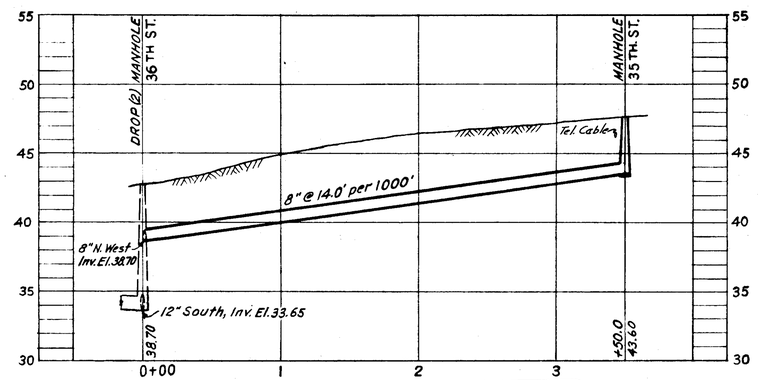
SEC. MAP No.	LINE No.
6-14-50	







PLAN



SEWER LINE LOCATION

SEC. MAP No.	LINE No.
6-14-51	

NOTE!
Existing Live House Connections at Time of Construction of new sewer...

Address	STA.	Direction
2701 10th Ave	0+69.0	E
2702 9th Ave	1+63.6	E

SEWER LINE LOCATION

SEC. MAP No.	LINE No.
H-14-38	

AS-BUILT PLAN
Revised to show actual conditions according to construction records as of Oct. 25, 1951
(J.B. 12/11/51)

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS

ADDITIONAL SEWER EXTENSIONS IN AREAS 7 & 7A

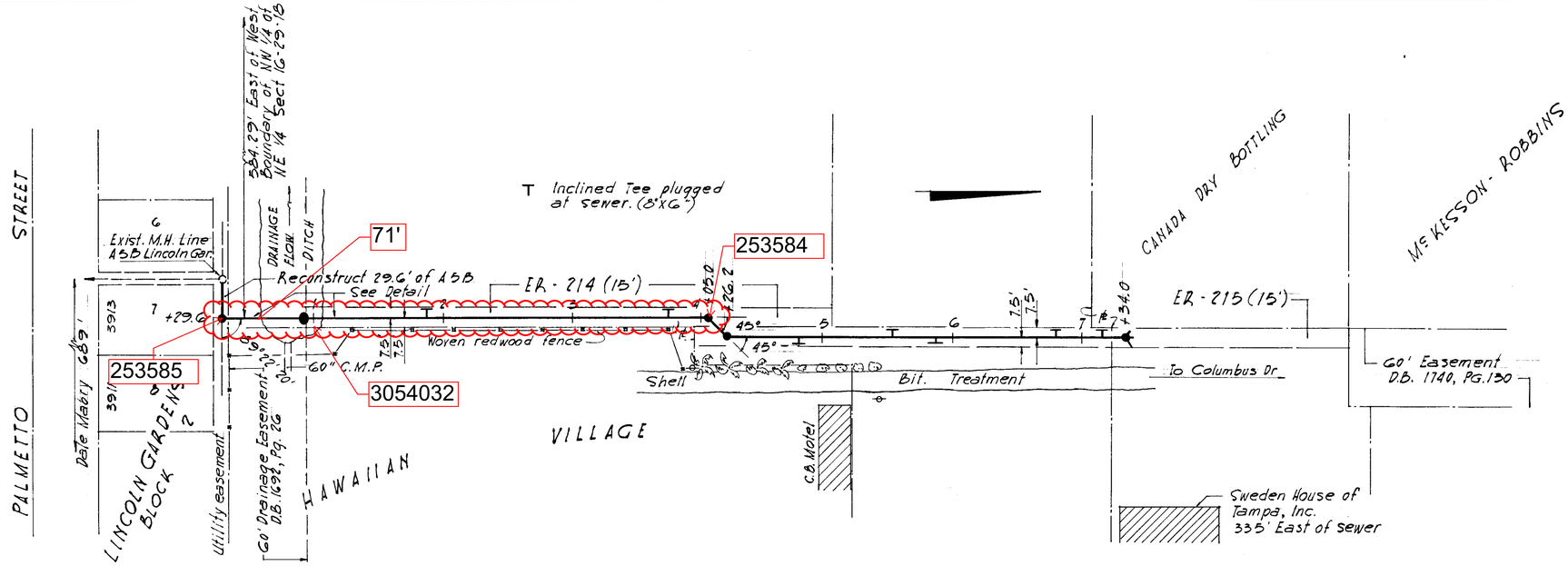
E-9, E-3-A Ex-11 & R-1

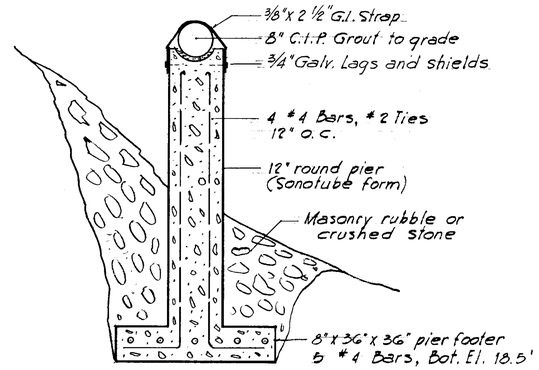
DES: J.W.H.
DR: J.W.H.
CKD: W.W.S.
DATE
Dec. 1950

SCALE 50 0 50 100 1" = 50'

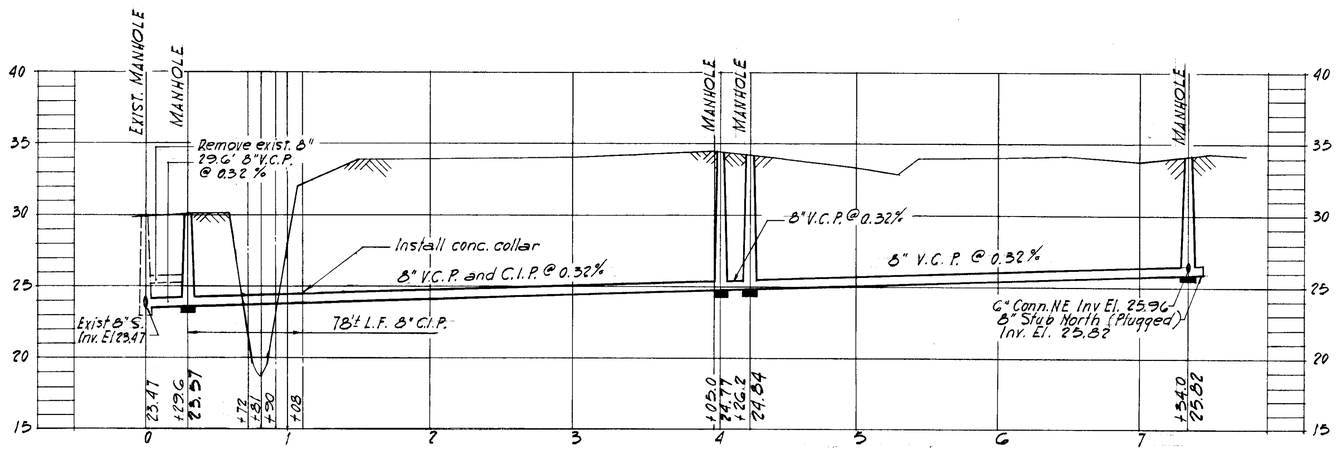
SHEET 5 OF 7

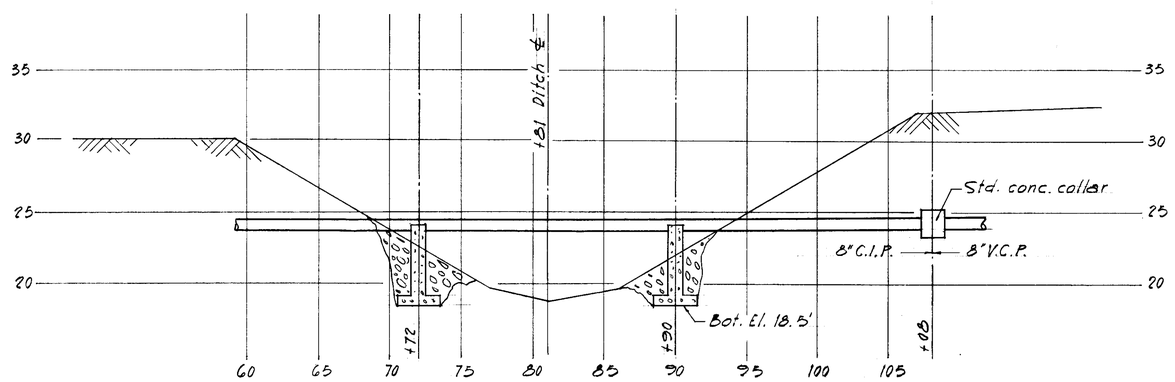
28-6





PIER DETAIL





DITCH CROSSING - NATURAL SCALE
1" = 5'0"

FOR DEPARTMENT OF SANITARY SEWERS
REC'M'D. Arthur S. Cooper Jr. DATE 11-10-65
Executive Engineer
APPROVED E. D. Smith Jr. DATE 12-23-65
Superintendent
FOR J. E. GREINER COMPANY
APPROVED George S. Jenkins DATE 12-23-65
FOR MCKEEVER AND SINGLETON
APPROVED C. E. Drummond Jr. DATE 12-23-65

Resol. Nº 230-E W.O. 1769

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

EASEMENT WEST OF DALE MABRY HWY.:
Palmetto St. to Columbus Drive

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
H - 9	13

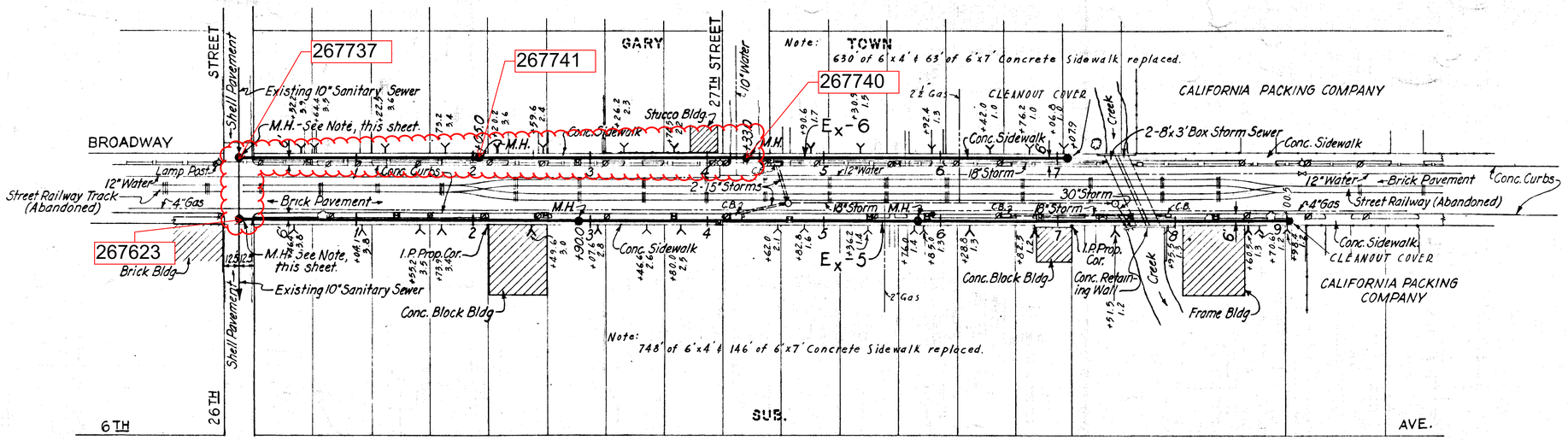
DES. E C A
DRN. E C A
CKD. A S C
DATE: NOV. 1965

SCALE: 50 0 50 100
1" = 50'

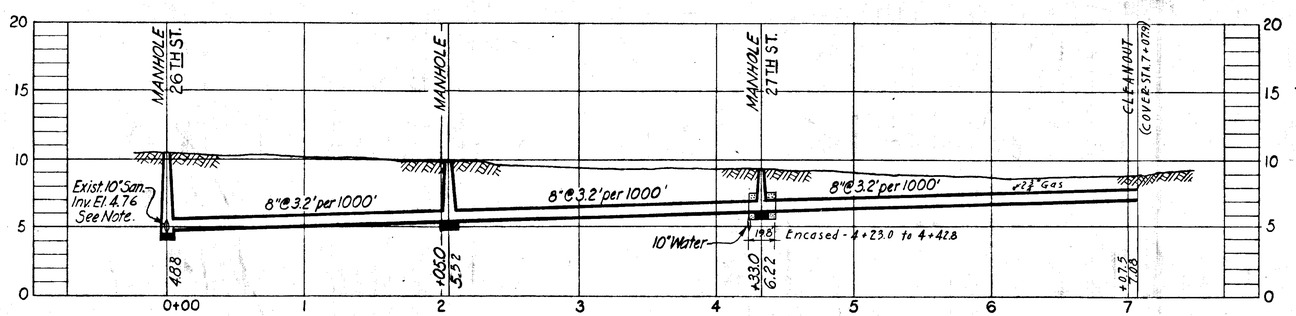
Drainage Subdistrict A - 5

SHEET 1 OF 1

33-21

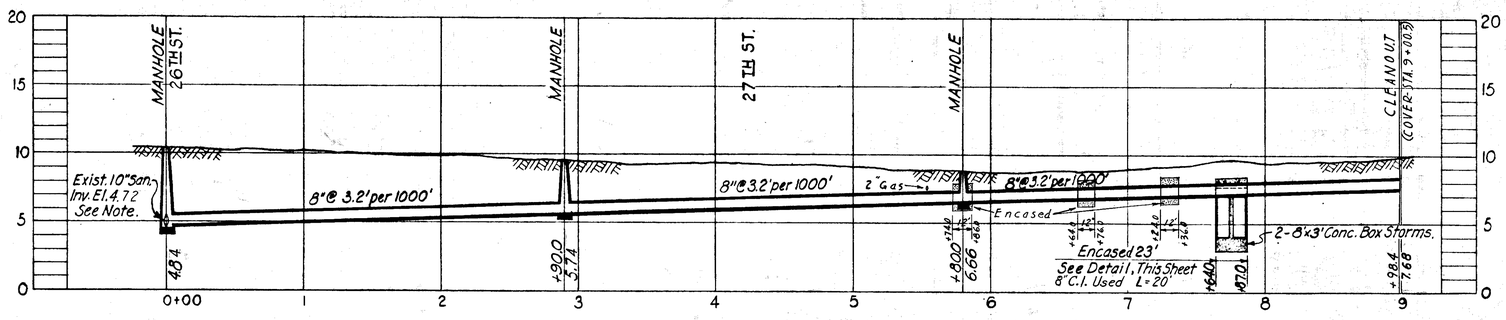


PLAN



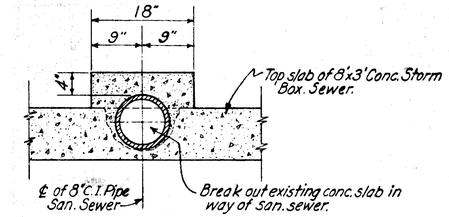
PROFILE
Ex-6

SEWER LINE LOCATION
SEC. MAP No. H-14 | LINE No. 54



PROFILE
Ex-5

SEWER LINE LOCATION
SEC. MAP No. H-14 | LINE No. 55



DETAIL OF ENCASEMENT ON Ex-5
STA. 7+64.0 TO STA. 7+87.0
Scale 1"=1'-0"

NOTE 1. At Sta. 0+00 on Ex-5 & Ex-6, the existing 10" Sanitary Sewer is to be kept in operation, carried through new M.H., and broken out when new line is put into operation.
2. As directed by engineer, standard encasements as shown on sheet E7-20 are to be placed around house connections ~~that~~ under driveway where cover is less than 18".

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

~AS-BUILT PLAN~
Revised to show actual conditions according to construction records as of March 23, 1951 (A.F.L. 3-6-51).

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS

DIVISION E7

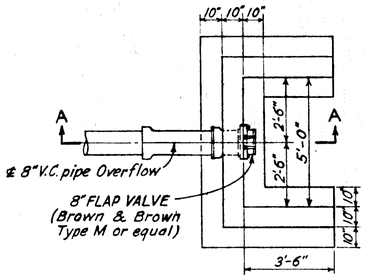
Ex-5 & Ex-6

DES: W.W.S.
DR: R.M.J.
CKD: W.W.S.
DATE: MAY 1950

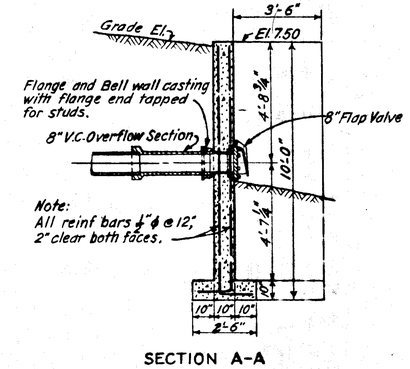
SCALE
50 0 50 100
1"=50'
EXCEPT AS NOTED

SHEET
E7-17
OF 20

47-40



PLAN

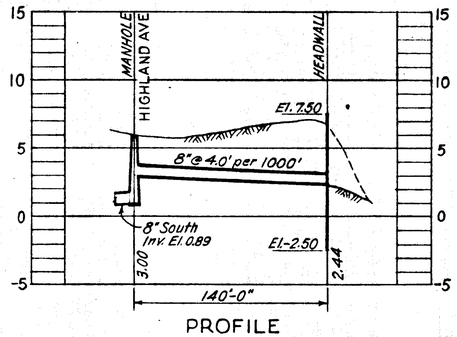


SECTION A-A

HEADWALL DETAILS

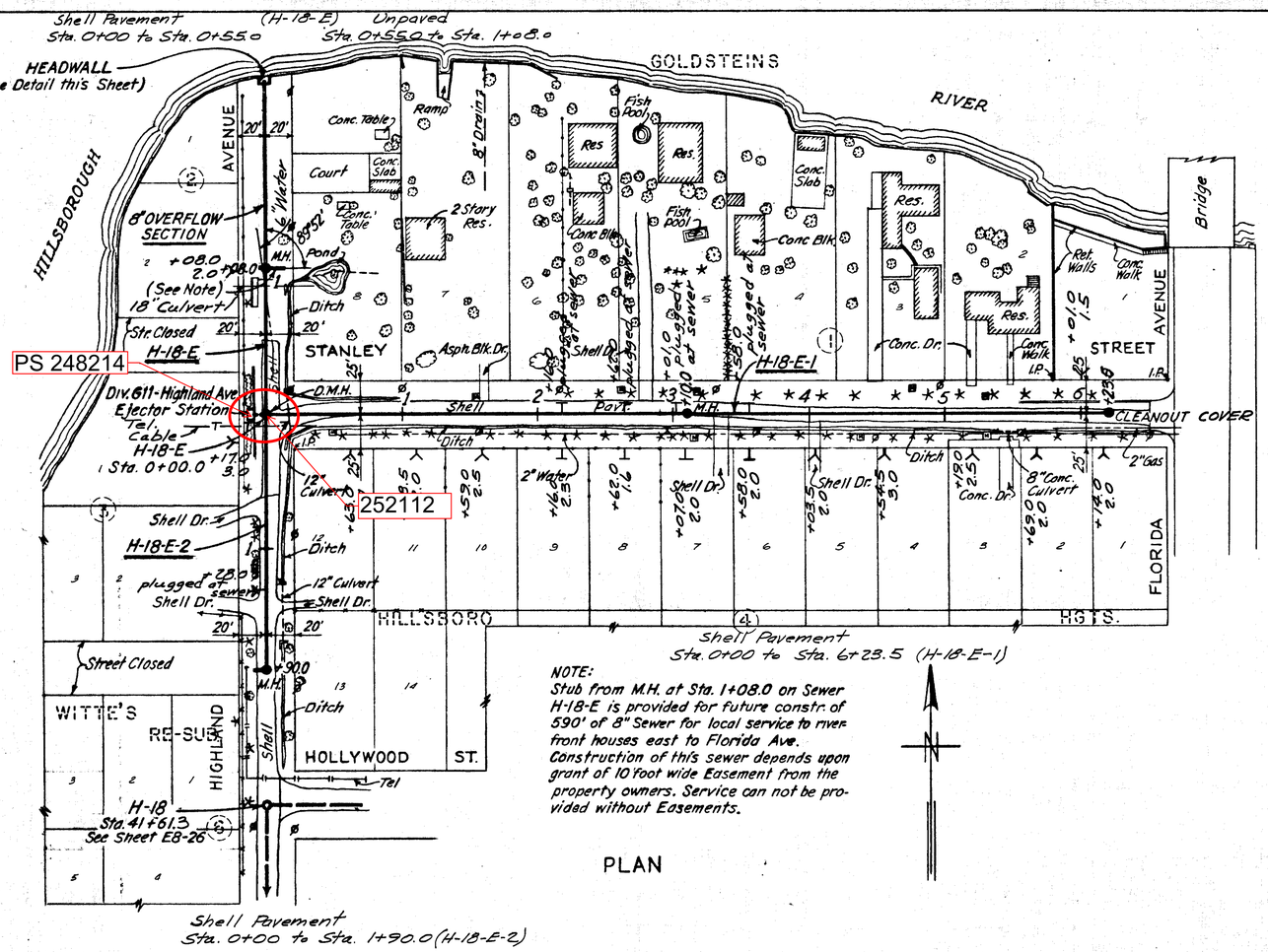
Scale 3/8" = 1'-0"

Unpaved (140')



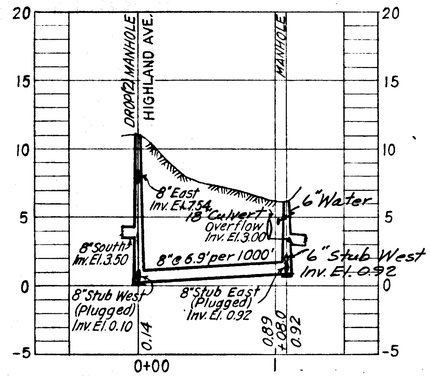
PROFILE

8" OVERFLOW SECTION



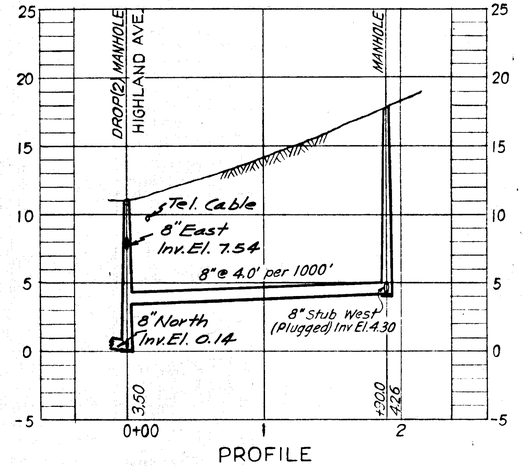
PLAN

NOTE:
Stub from M.H. at Sta. 1+08.0 on Sewer H-18-E is provided for future constr. of 590' of 8" Sewer for local service to riverfront houses east to Florida Ave. Construction of this sewer depends upon grant of 10 foot wide Easement from the property owners. Service can not be provided without Easements.



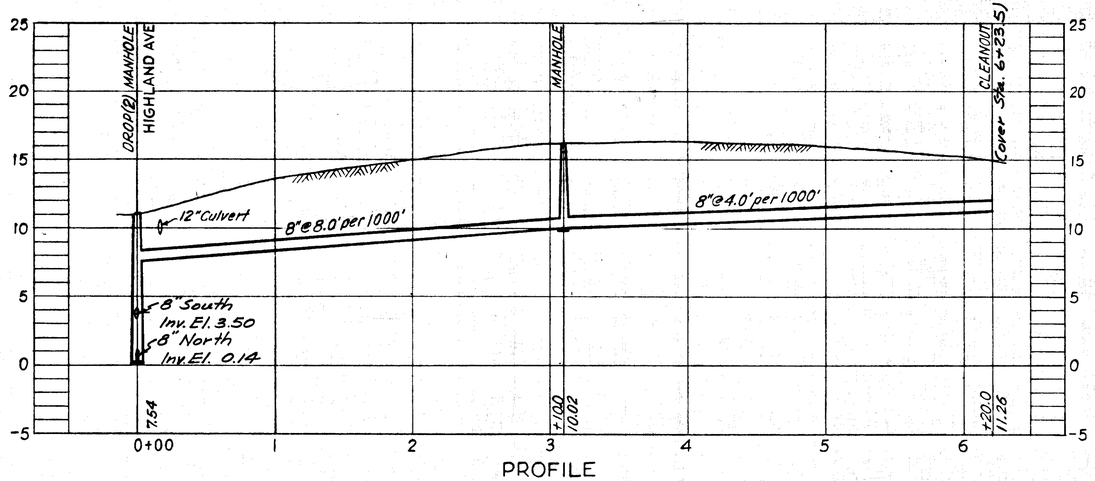
PROFILE

H-18-E



PROFILE

H-18-E-2



PROFILE

H-18-E-1

AS-BUILT PLAN
Revised to show actual conditions according to construction records as of 1-27-'53 (J.J.S. 2-4-'53)

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS

DIVISION E8

H-18-E, H-18-E-1, H-18-E-2
& 8" OVERFLOW SECTION

DES: L.A.B.
DR: J.W.H.
CKD F.F.L.
DATE: MAY 1950

SCALE 50 0 50 100 1" = 50'

SHEET E8-29 OF 41

48-29

252250

Div. F3, Louisiana Avenue Force Main & Gravity Sewer Sta. 26+55.3

RIVERSIDE DRIVE

RIVER HEIGHTS AVENUE

STREET

HOLLY STREET

MYRTLE STREET

MUNRO STREET

Alley

Match Line

Sta. 12+00.0

BEGINNING OF DIV. E9 Sta. 0+05.3

I.P. Prop. Cor.

2" Purity Springs Water (Approx)

2" Purity Springs Water

12" City Water

2" Gas

Sand & Shell Pavement

Shell Pavement

Shell Driveway

Asphalt Block Driveway

Conc. Driveway

Conc. Walk

Ditch

Pole

Tel. Cable

DMH

6" City Water

12" R.C.P. Pipe

15" R.C.P. Culvert

3-8" T.C. Pipe Culverts

20.0 plugged at sewer

plugged at sewer

H-1-A See Sheet E9-6

H-1-B See Sheet E9-7

H-1-C See Sheet E9-7

H-1-D See Sheet E9-8

H-1-E See Sheet E9-8

Bituminous Sand Seal Pavement Sta. 0+05.3 to Sta. 12+00

PLAN

MANHOLE RIVERSIDE DR.

DROP (2) MANHOLE HOLLY ST.

DROP (1) MANHOLE MYRTLE ST.

DROP (1) MANHOLE MUNRO ST.

Match Line

BEGINNING OF DIV. E9

8" Stub South (Plugged) Inv. El. 7.00

8" North Inv. El. 3.36

8" South Inv. El. 11.20

8" North Inv. El. 7.57

8" South Inv. El. 13.90

8" North Inv. El. 8.90

8" @ 3.2' per 1000'

8" @ 5.0' per 1000'

8" @ 4.0' per 1000'

8" @ 6.9' per 1000'

12" R.C.P. Culvert

Tel. Cable

Stabilizer of 2" of Brooksville crushed Lime rock (9.9 c.y.)

PROFILE

H-1

AS-BUILT PLAN

Revised to show actual conditions according to construction records as of July 27, 1951 (J.J.S. – 8-8-51)

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS

DIVISION E9

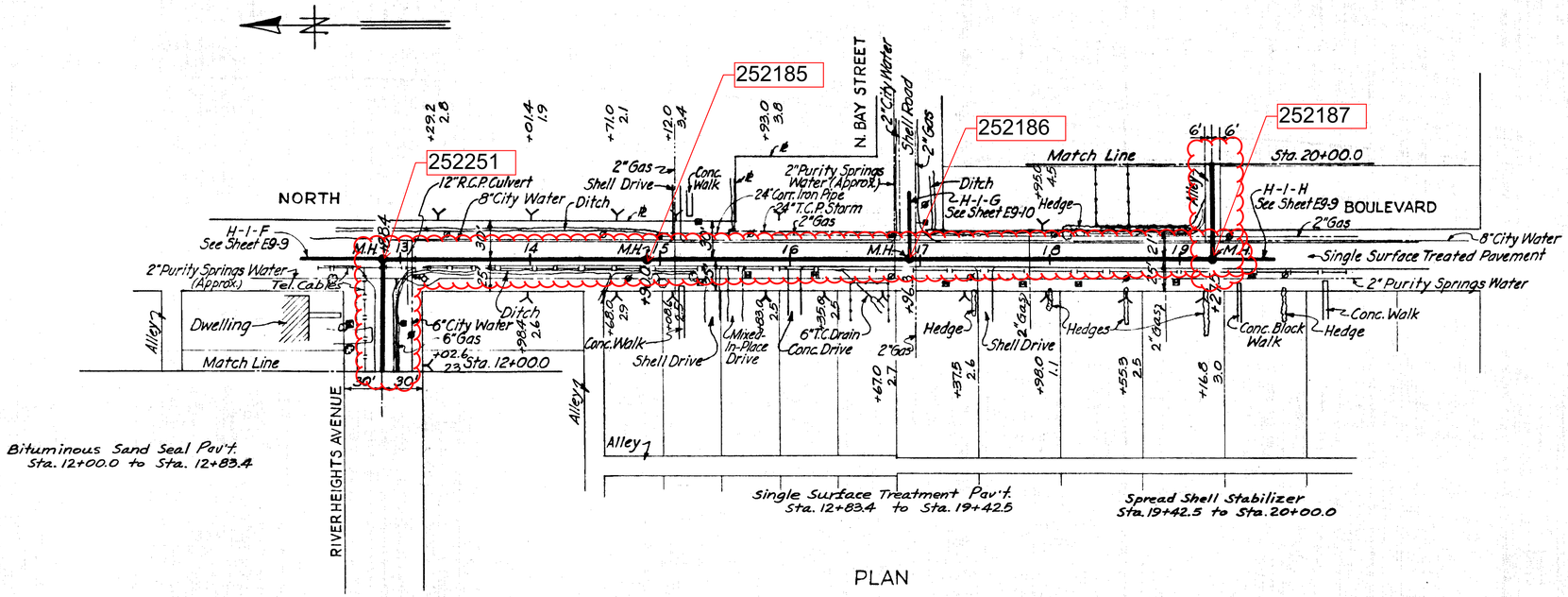
H – 1
STA. 0–04.7 TO STA. 12 +00.0

DES: F.P.L.
DR: R.M.J.
CKD: W.W.S.
DATE MAY 1950

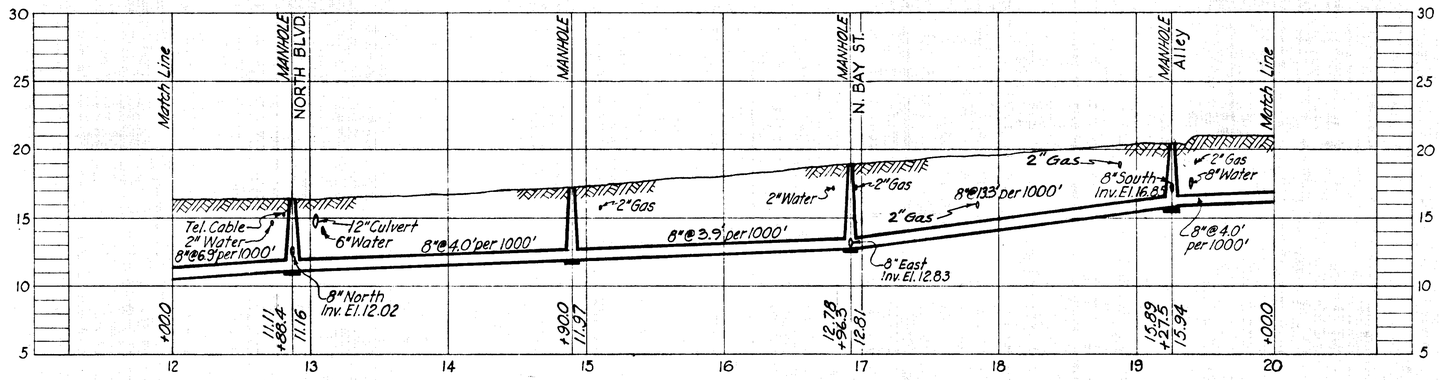
SCALE 1" = 50'

SHEET E9-3 OF 44

49-3



PLAN



PROFILE

H - 1

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

AS-BUILT PLAN
Revised to show actual conditions according to construction records as of July 27, 1951
(J.J.S. 8-8-51)

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS

DIVISION E9

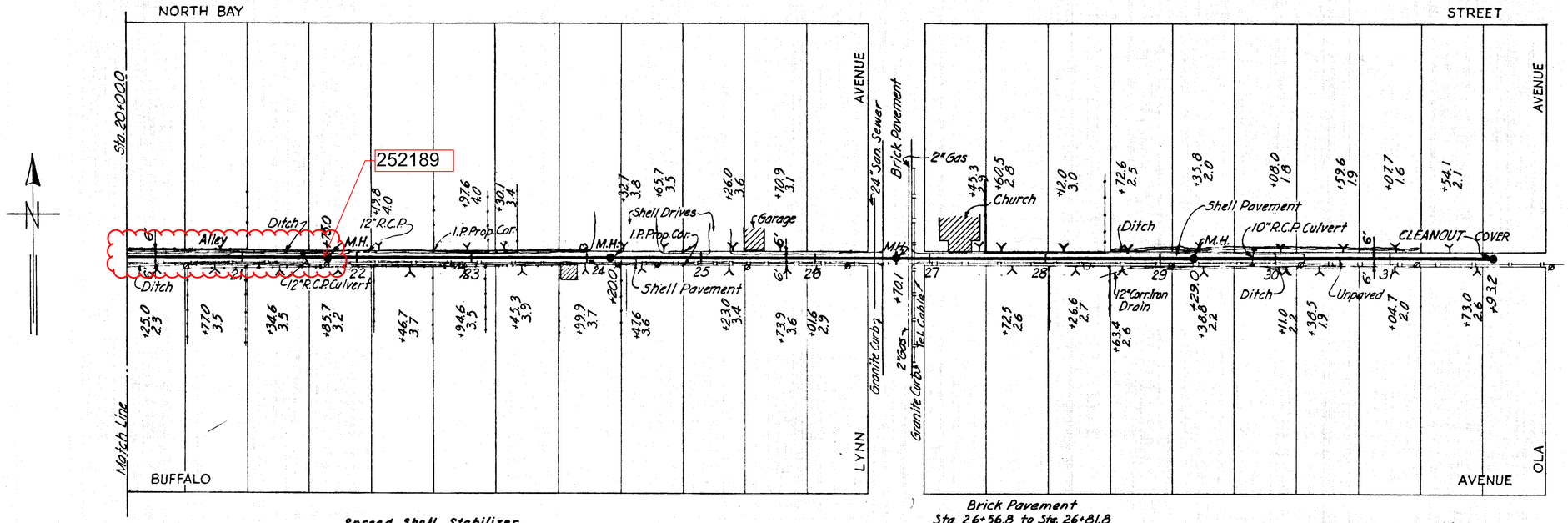
H - 1
STA. 12+00.0 TO STA. 20+00.0

DES: F.F.L.
DR: R.M.U.
CKD: W.W.S.
DATE
MAY 1950

SCALE
50 0 50 100 1"=50'

SHEET
E9-4
OF 44

49-4



PLAN

PROFILE

H - 1

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

AS-BUILT PLAN
Revised to show actual conditions according to construction records as of JULY 27, 1951.
(W.A.S. 8/8/51)

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS

DIVISION E9

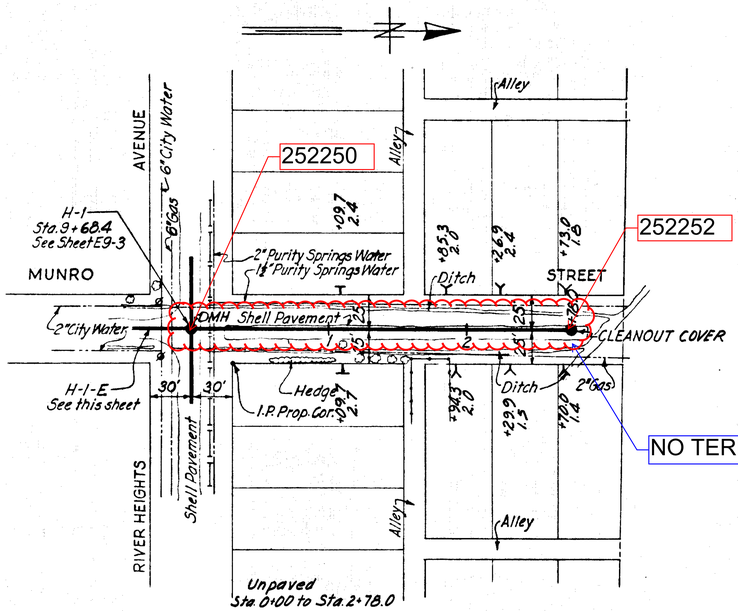
H - 1
STA. 20+00.0 TO STA. 31+93.2

DES: F.F.L.
DR: R.M.U.
CKD: W.W.S.
DATE MAY 1950

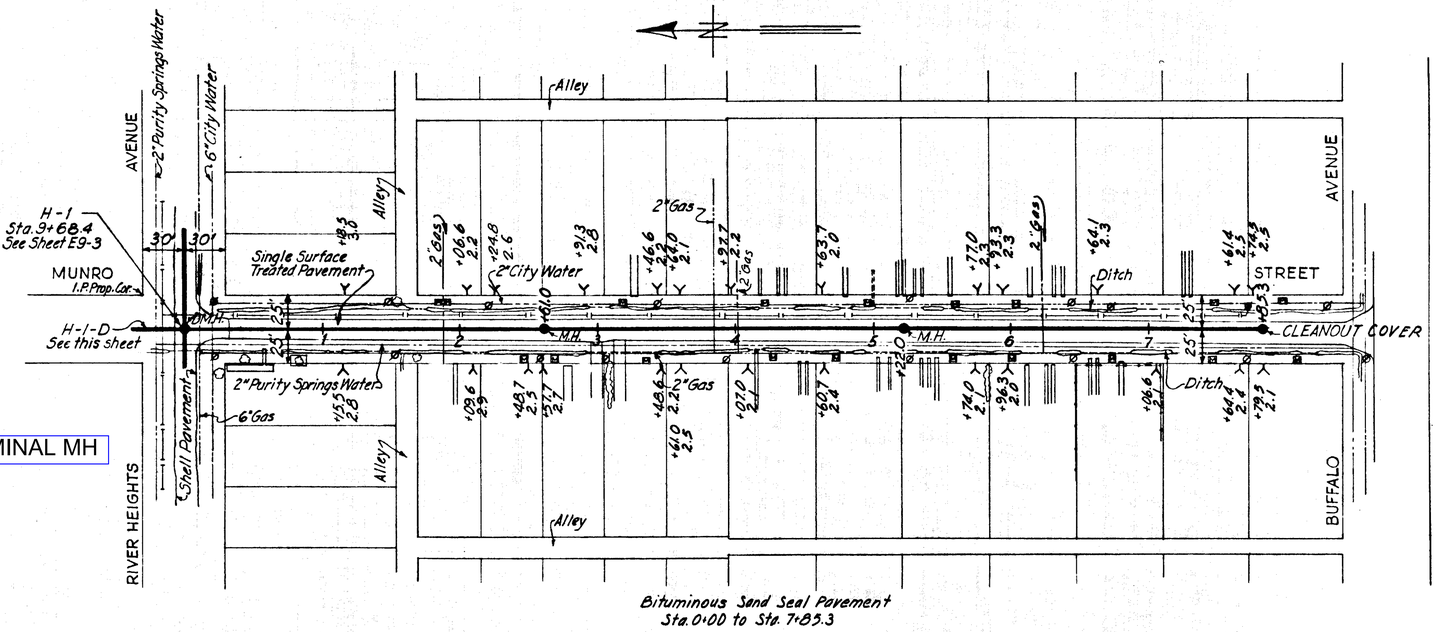
SCALE 50 0 50 100 1"=50'

SHEET E9-5 OF 44

49-5



PLAN



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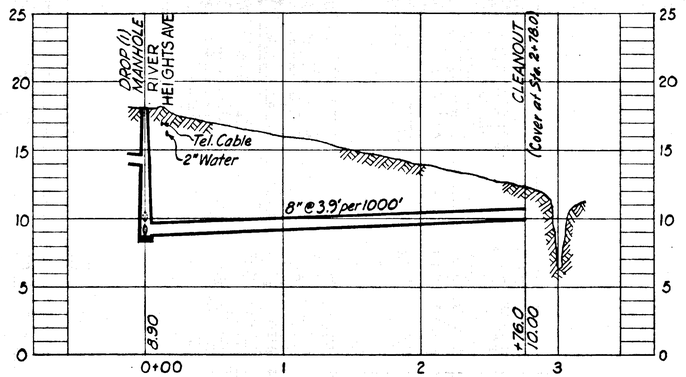
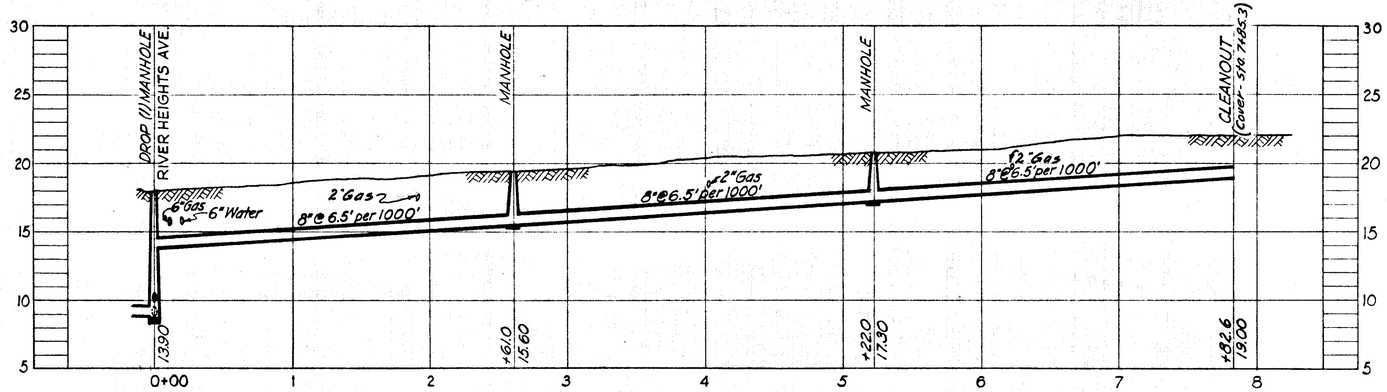


PROFILE

H-1-D



PROFILE

H-1-E

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

AS-BUILT PLAN
Revised to show actual conditions according to construction records as of JULY 27, 1951.
(W.A.S 8/3/51)

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS

DIVISION E9

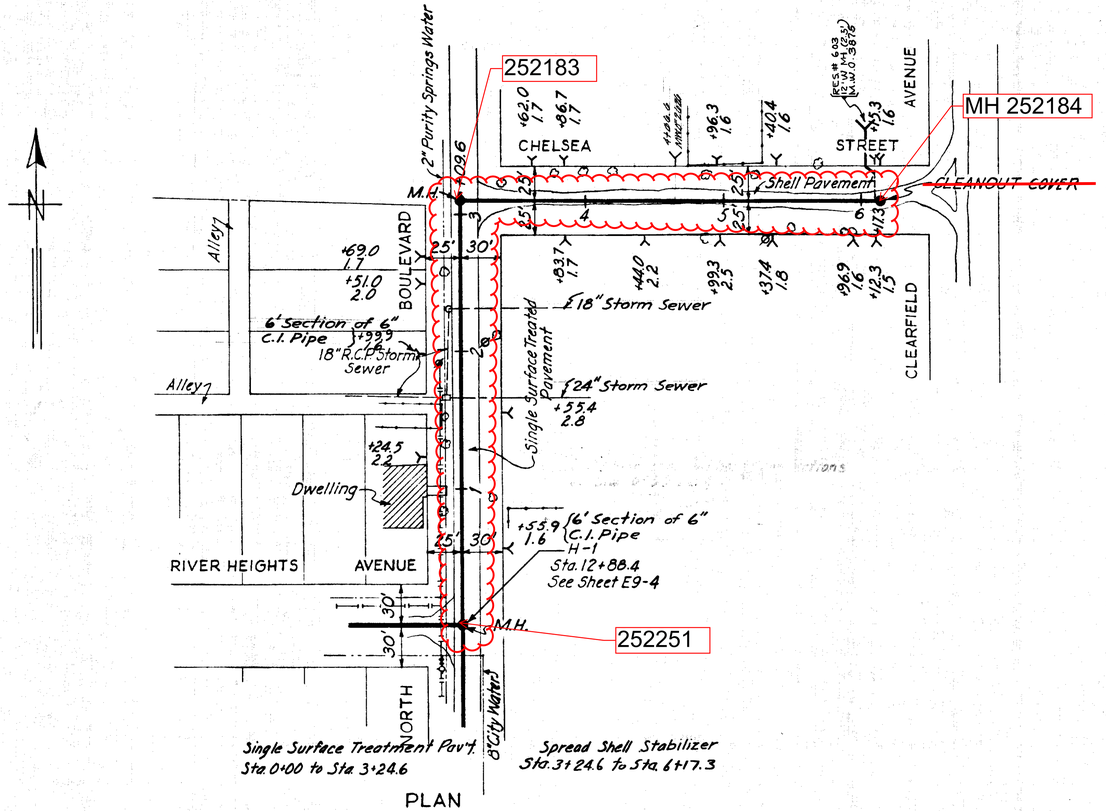
H-1-D & H-1-E

DES: F.F.L.
DR: R.M.J.
CKD: W.W.S.
DATE
MAY 1950

SCALE
50 0 50 100 1"=50'

SHEET
E9-8
OF 44

49-81



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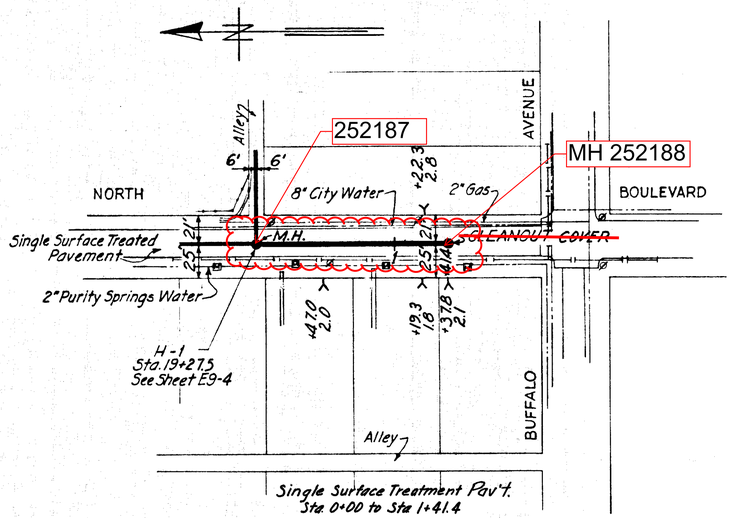

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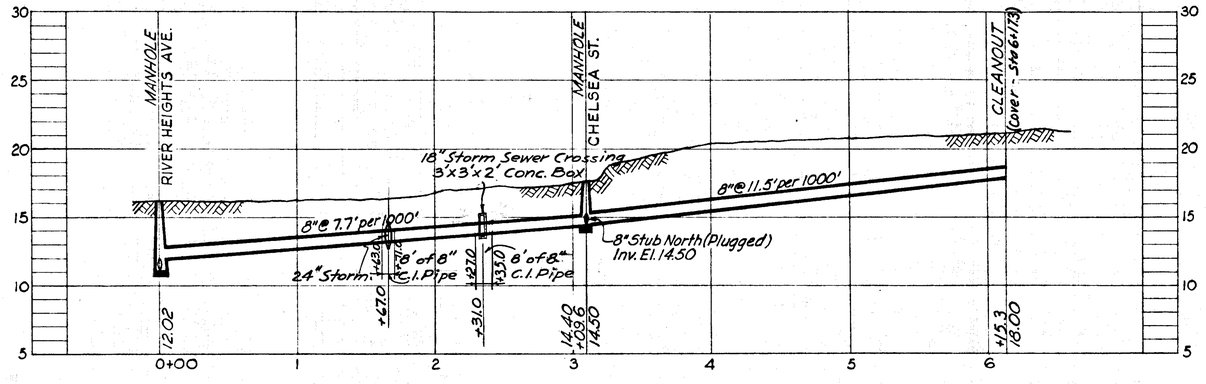
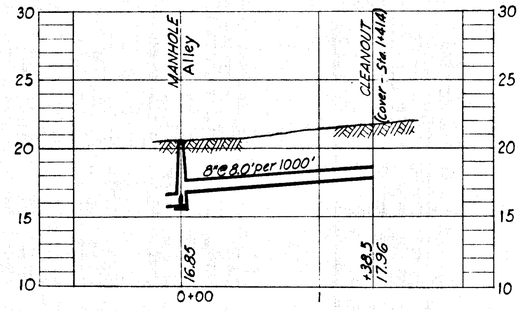


PROFILE

H-1-F



PROFILE

H-1-H

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

AS-BUILT PLAN
Revised to show actual conditions according to construction records as of JULY 27, 1951. (W.A.S. 8/9/51)

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS

DIVISION E9

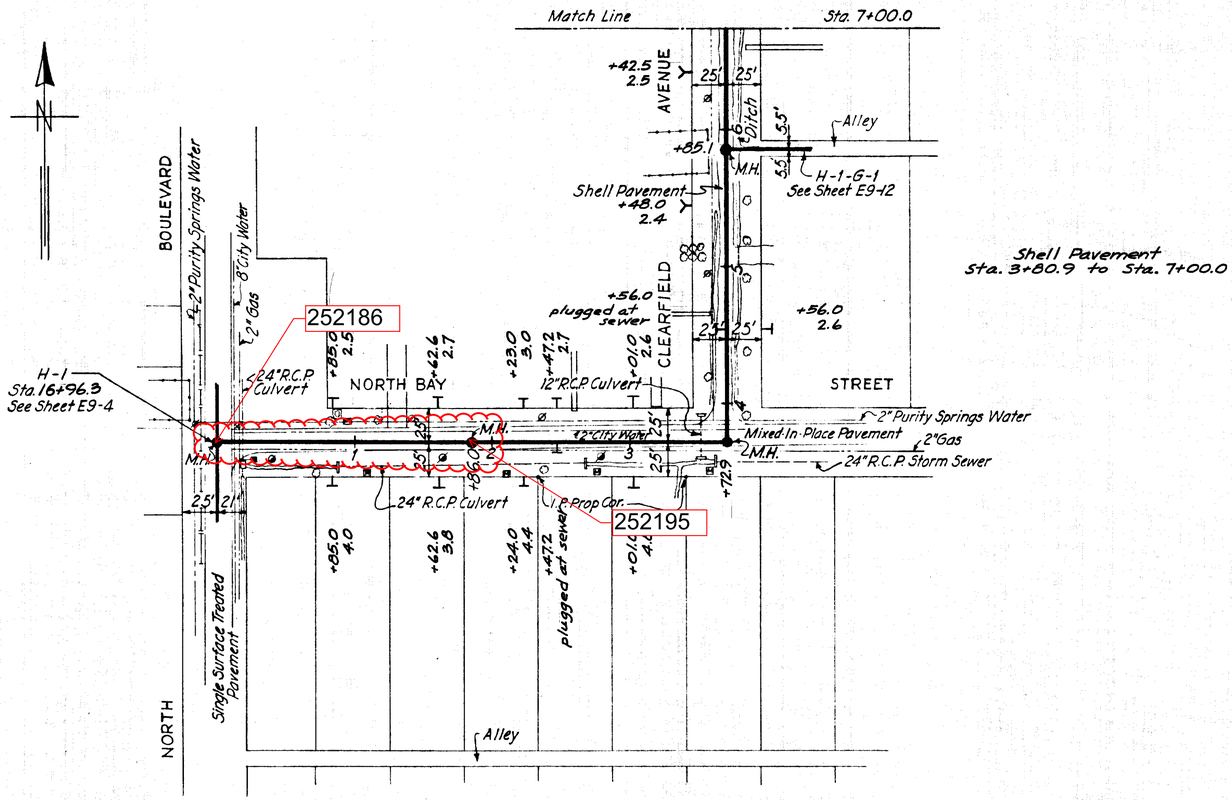
H-1-F & H-1-H

DES: F.F.L.
DR: R.M.H.
CKD: W.W.S
DATE MAY 1950

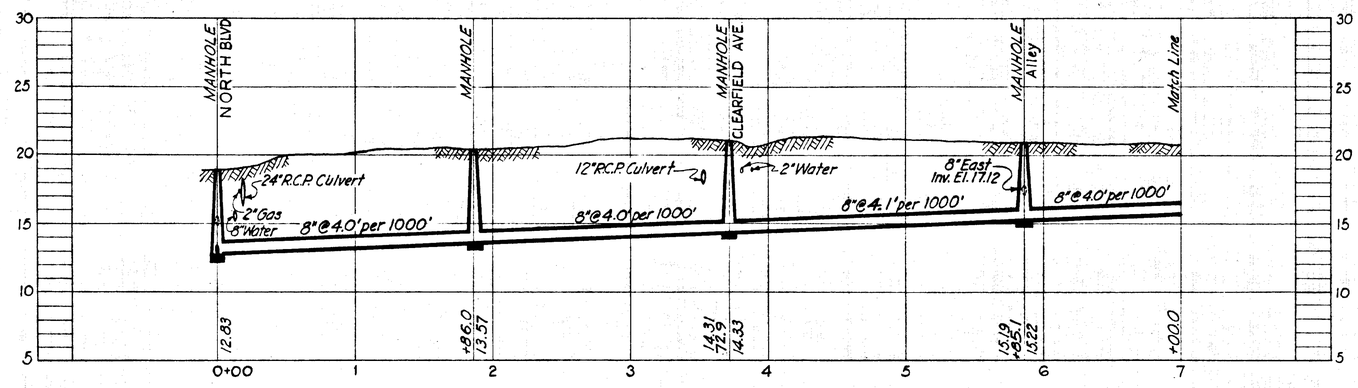
SCALE 50 0 50 100 1"=50'

SHEET E9-9 OF 44

49-94



PLAN



PROFILE

H-1-G

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

AS-BUILT PLAN
Revised to show actual conditions according to construction records as of July 27, 1951 (J.J.S. 8-9-51)

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS

DIVISION E9

H-1-G
STA 0+00.0 TO STA. 7+00.0

DES: F.F.L.
DR: R.M.U.
CKD: W.W.S.
DATE: MAY 1950

SCALE 50 0 50 100 1"=50'

SHEET E9-10 OF 44

49-10

Note:
House connections from Sta. 10+00.0 to Sta. 12+82.6 are located 10' from ℄ of sewer.

Note:
Property lines are drawn according to plat.
Sewer located according to actual ground conditions.

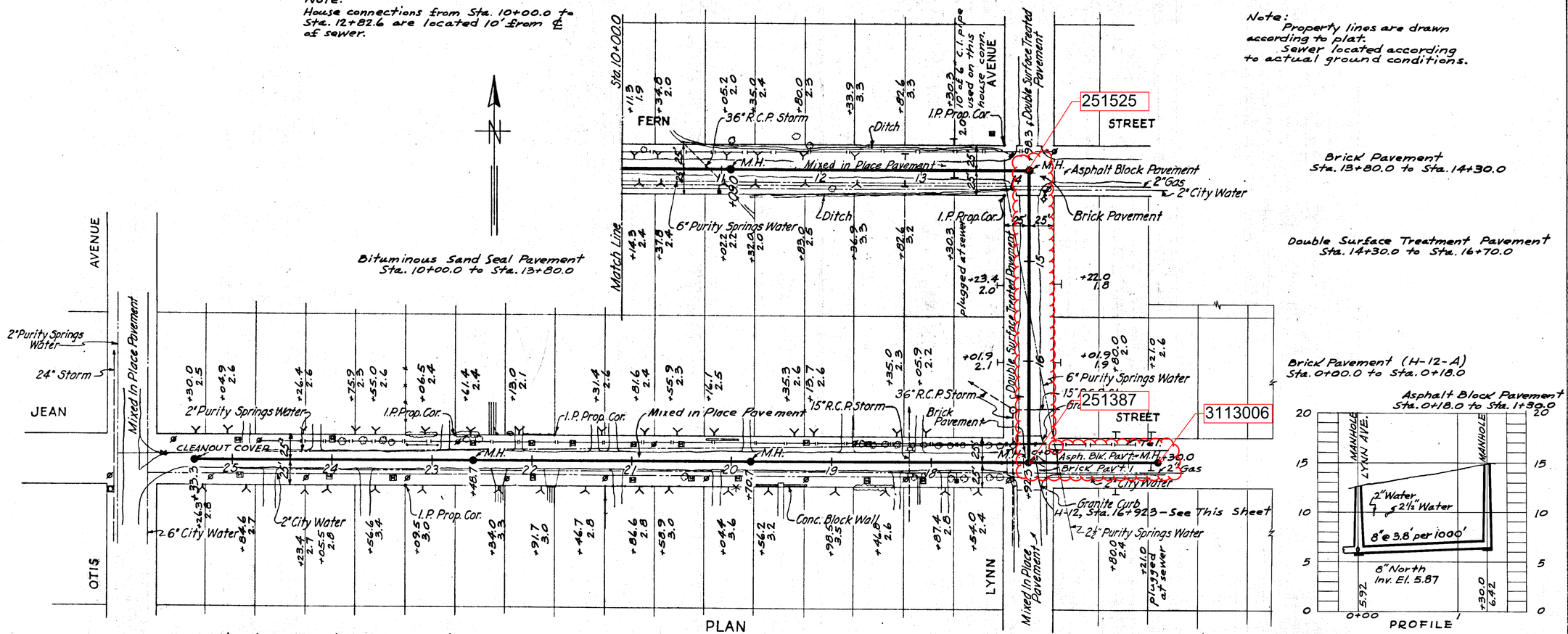
Bituminous Sand Seal Pavement
Sta. 10+00.0 to Sta. 13+80.0

Brick Pavement
Sta. 13+80.0 to Sta. 14+30.0

Double Surface Treatment Pavement
Sta. 14+30.0 to Sta. 16+70.0

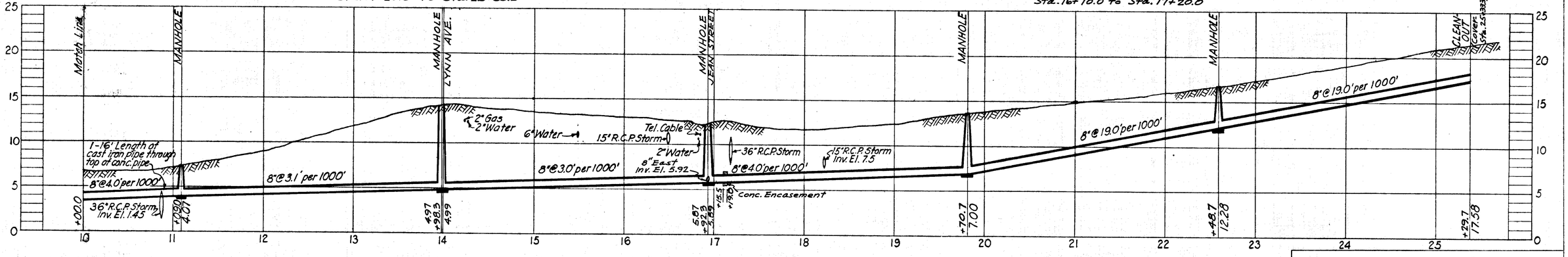
Brick Pavement (H-12-A)
Sta. 0+00.0 to Sta. 0+18.0

Asphalt Block Pavement
Sta. 0+18.0 to Sta. 1+30.0



Bituminous Sand Seal Pavement
Sta. 17+20.0 to Sta. 25+33.3

Brick Pavement
Sta. 16+70.0 to Sta. 17+20.0



Note:
Line H-12-A added per Supplementary Dwg. E9-SD-1

AS-BUILT PLAN
Revised to show actual conditions according to construction records as of July 27, 1951 (J.J.S. 8-20-51)

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION E9

H-12
STA. 10+00.0 TO STA. 25+33.3
H-12-A

DES: F.F.L.
DR: R.M.U.
CK'D: W.W.S.
DATE
MAY 1950

SCALE
50 0 50 100
1"=50'

SHEET
E9-41
OF 44

49-41

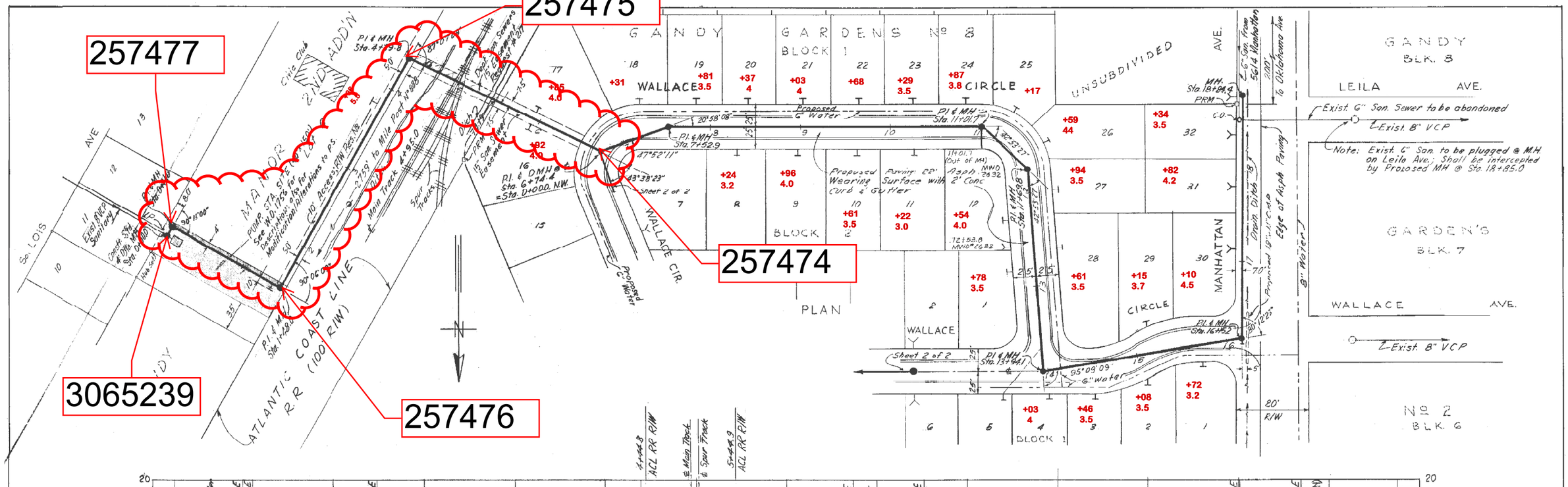
257475

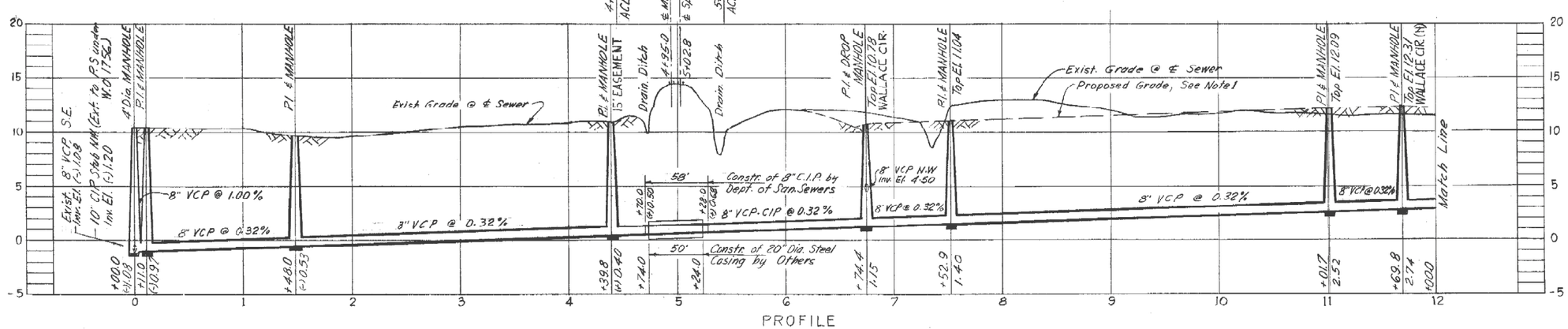
257477

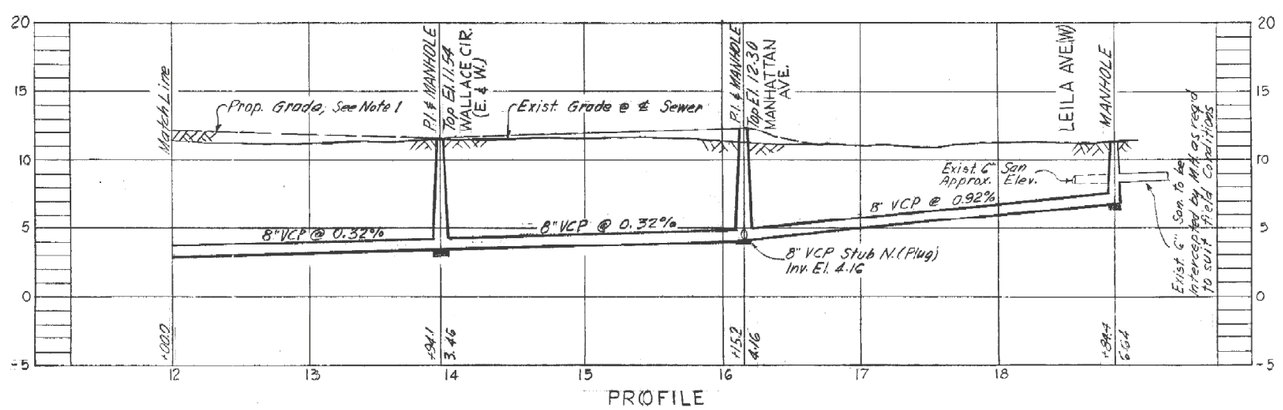
257474

3065239

257476







NOTES:
1. Proposed/Existing Surface grades within Gandy Gardens No. 8, from Criteria furnished by Heidt-Burney Associates, dated 1-3-66
2. T.B.M. used: Spike in Power Pole on North Side of Oklahoma Ave. between Lois Ave. & R.R. Track; Elev. 12.304

Revised: M.H. Top Elev's to be adjusted according to those established by Heidt-Burney Assoc. 11-15-66

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
M - 9	11

Resol. No. 582-E

W.O. 1779

FOR DEPARTMENT OF SANITARY SEWERS
REC'M'D Clifton S. Cooper Jr. DATE 2-22-66
Executive Engineer
APPROVED E. [illegible] DATE 3-7-66
Superintendent
FOR J. E. GREINER COMPANY
APPROVED [illegible] DATE 3-7-66
FOR PEERMAN AND SINGLETON
APPROVED C. E. Drummond Jr. DATE 3-7-66

Revised, 3-16-1966 HK (Horizontal Angular Change)

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

GANDY GARDENS No 8

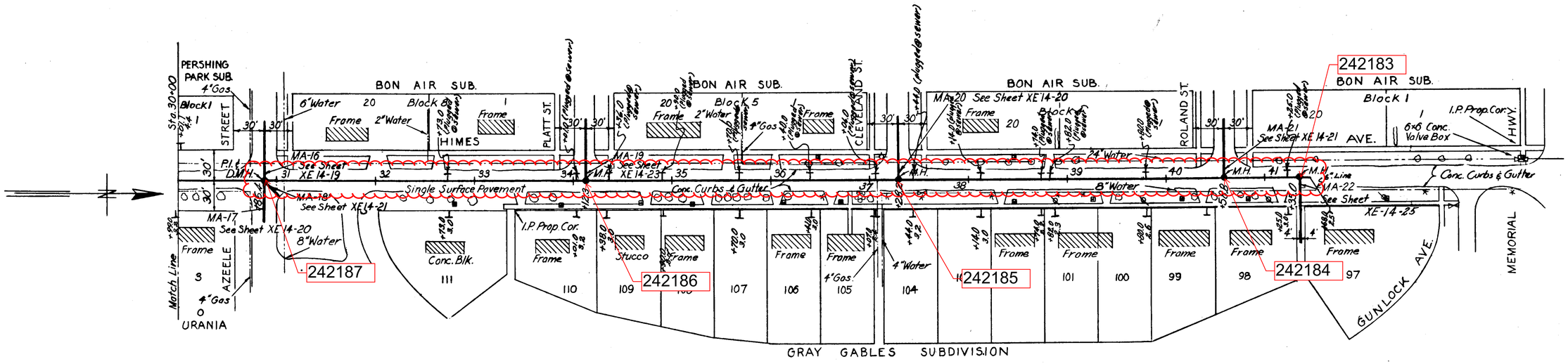
DES: H.K.-J.R.
DRN: J.M.R.
CKD: C.M.T.
DATE: FEB. 1966

SCALE: 50 0 50 100
1" = 50'

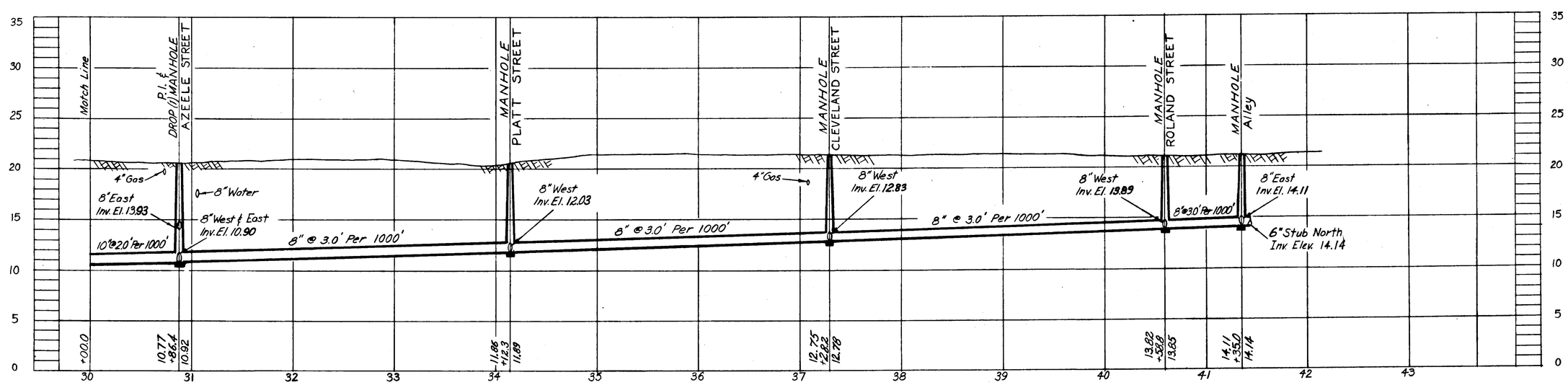
Drainage District B

SHEET 1 OF 2

56-31



PLAN



PROFILE
MA

AS-BUILT PLAN

Revised to show actual conditions according to construction record as of G.M.D. (5-21-56)

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE 14

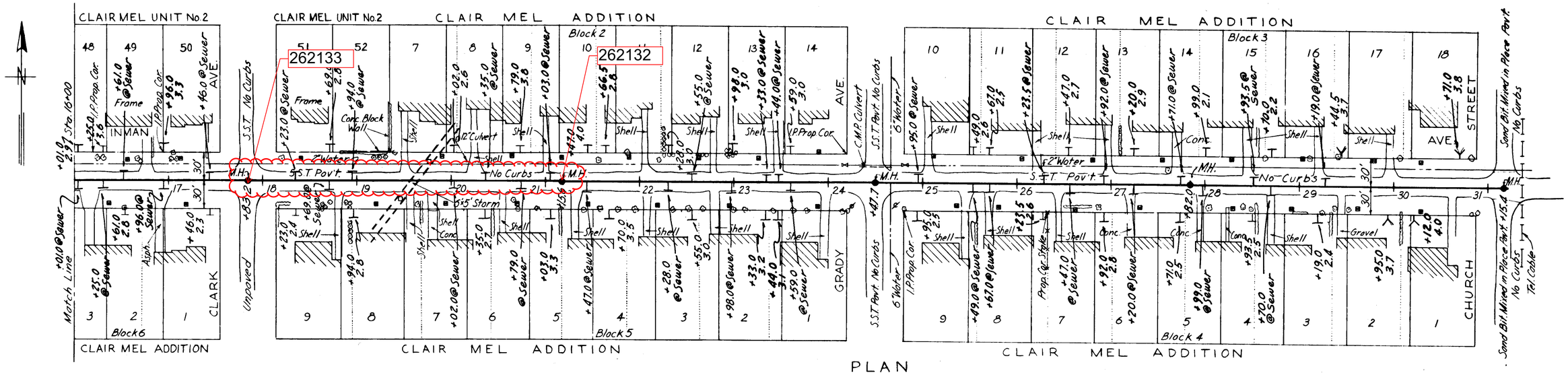
MA
STA. 30+00 TO STA. 41+35.8

DES. F.E.
DR. M.R.
CKD. F.E.
DATE: NOV. 1954

SCALE 50 0 50 100 1"= 50'

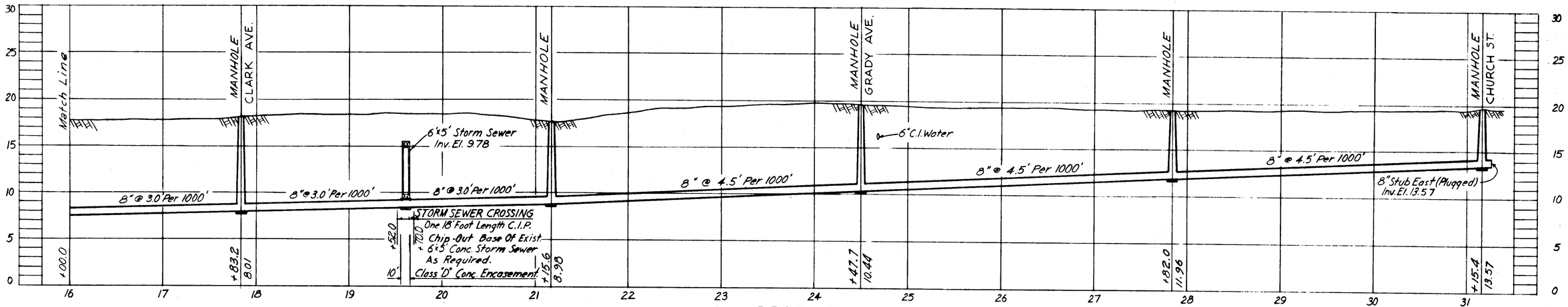
SHEET XE14-5 OF 29

63-5



PLAN

NOTE:- (Pavt. Replacement)
Sta. 15+00.0 to Sta. 31+17.0
replaced with Single Surface
Treatment Pavt.



PROFILE
NM-11

NOTES:
1. All Homes are of concrete block construction unless otherwise noted.
2. ..... Property lines as indicated by Hillsborough County Tax Records.

AS-BUILT PLAN
Revised to show actual conditions according to construction records as of 9-7-56 (R.V.J. 11-6-56)

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE17

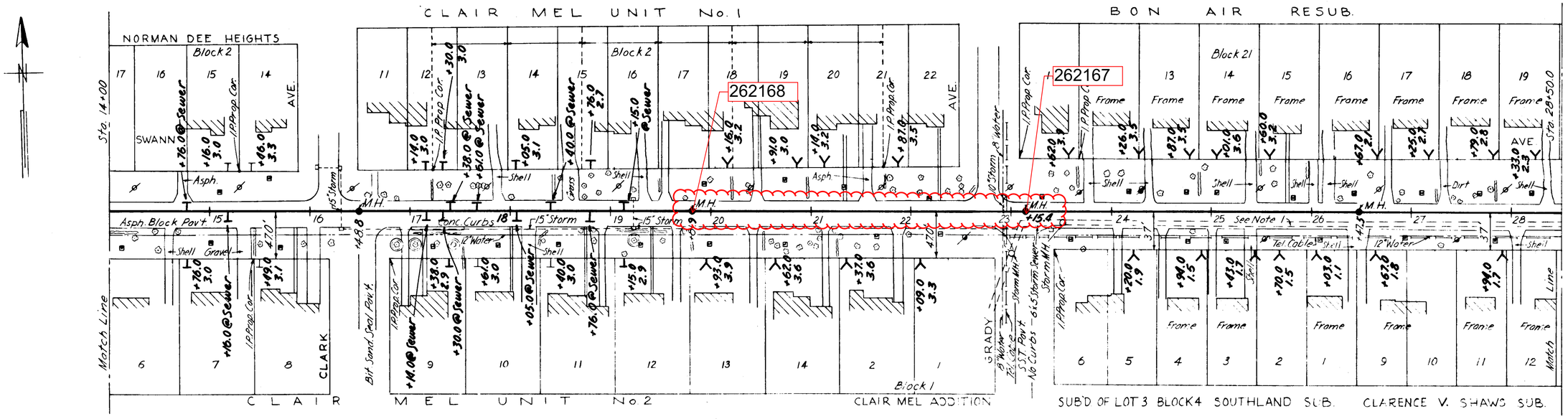
NM-11
STA. 16+00 TO STA. 31+15.4

DES. R.B.D.
DR. M.R.
CKD. F.F.E.
DATE: JULY 1955

SCALE 50 0 50 100 1"=50'

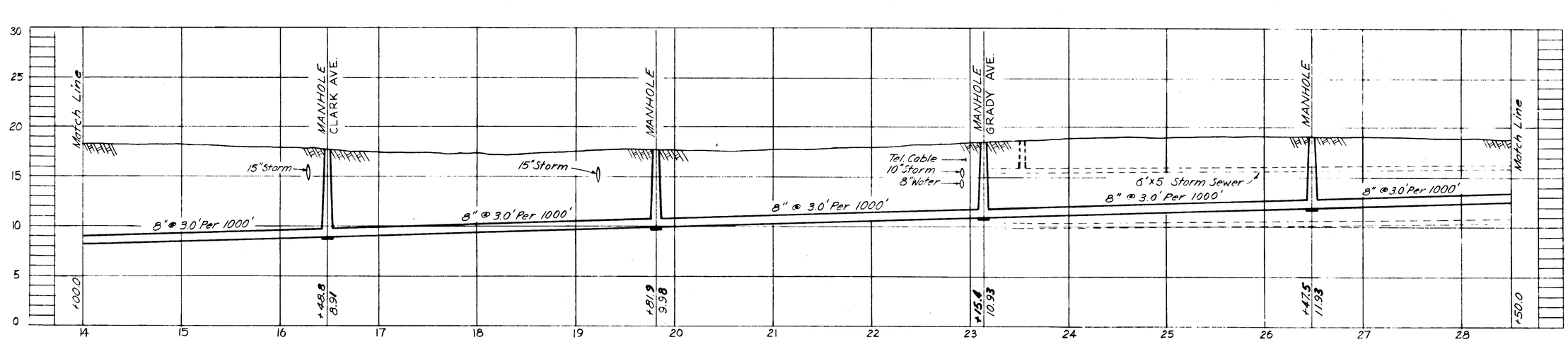
SHEET XE17-34 OF 48

66-35



PLAN

NOTE :- Pavt Replacement
Swann Ave. Sta. 14+00 to Sta. 17+00
replaced with Asph. Cold Mix. Sta. 17+00
to Sta. 28+50.0 replaced with 1½" Cold Mix



PROFILE
NM-13

NOTES:
1. V.C. Pipe house connections encased in Class 'D' Concrete will be used when going over 6'x5' Storm Sewer. See Special Detail Sheet XE17-31
2. All driveways are concrete except as noted
3. All homes are concrete block except as noted.
4. ..... Property lines as indicated by Hillsborough County Tax Records.

AS-BUILT PLAN

Revised to show actual conditions according to construction records as of 9-10-56 (R.V.J. 10-30-56)

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE17

NM-13
STA. 14+00 TO STA. 28+50

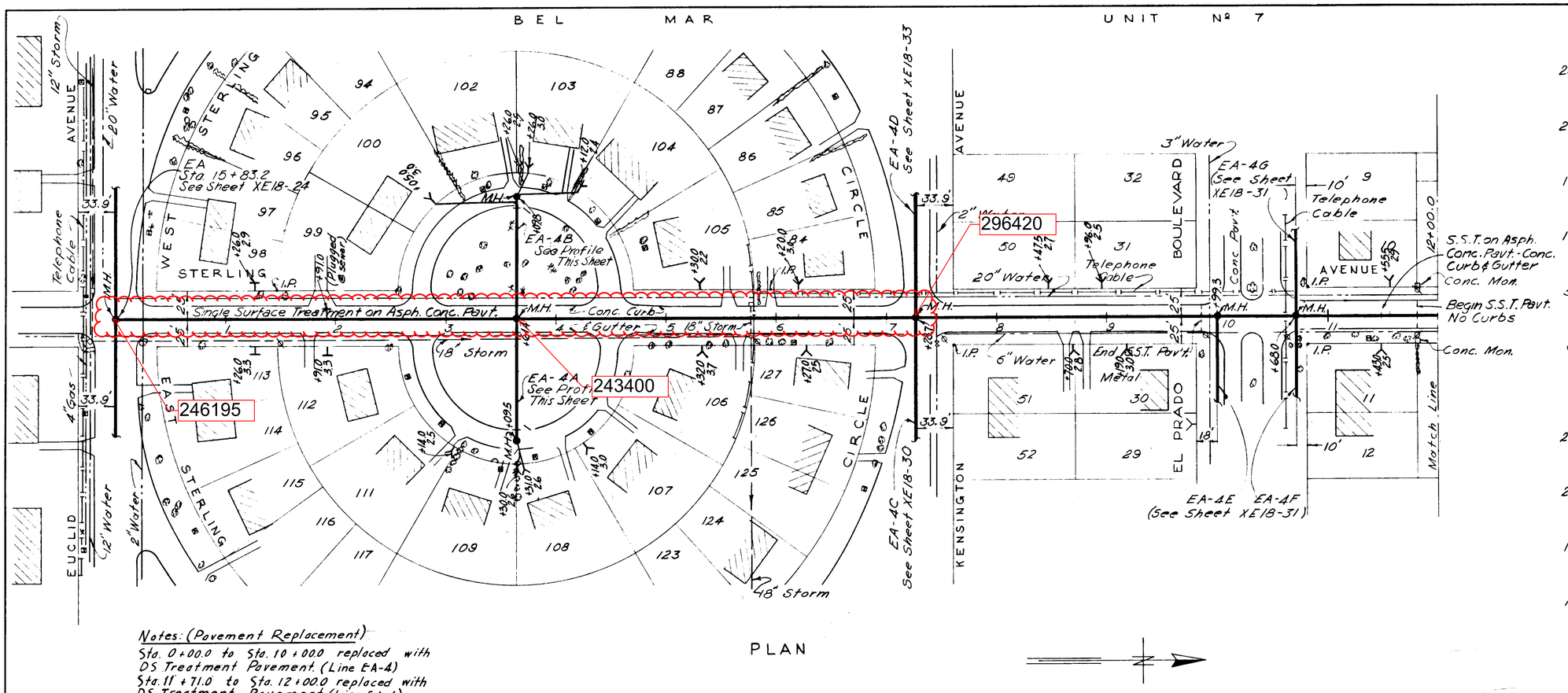
DES. R.B.D.
DR. M.R.
CKD. F.F.E
DATE: JUNE 1955

SCALE 50 0 50 100 1"=50'

SHEET XE17-39 OF 48

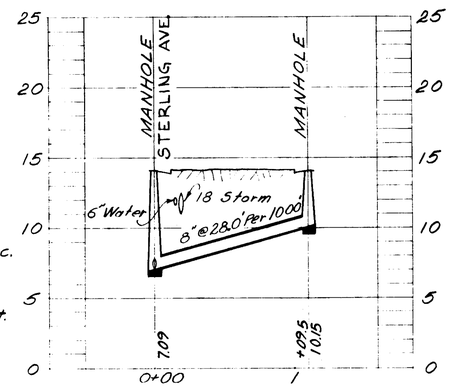
66-40

BEL MAR UNIT Nº 7

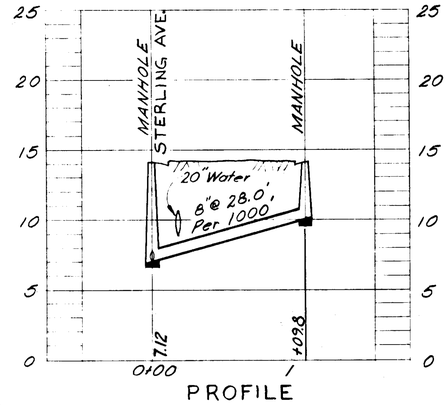


PLAN

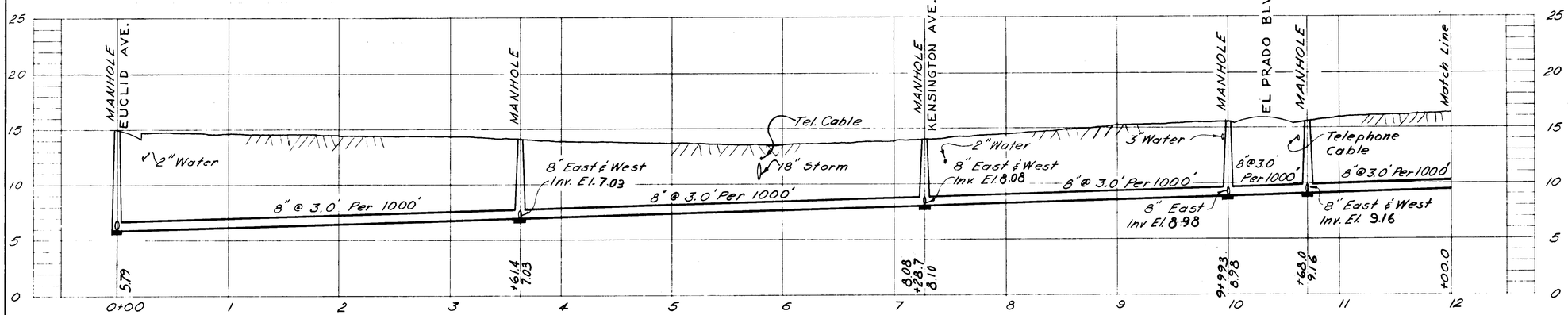
Notes: (Pavement Replacement)
Sta. 0+00.0 to Sta. 10+00.0 replaced with DS Treatment Pavement. (Line EA-4)
Sta. 11+71.0 to Sta. 12+00.0 replaced with DS Treatment Pavement. (Line EA-4)
Sta. 0+00.0 to Sta. 1+09.5 on (Line EA-4A) is unpaved.
Sta. 0+00.0 to Sta. 1+09.8 on (Line EA-4B) is unpaved.



PROFILE
EA-4A



PROFILE
EA-4B



PROFILE
EA-4

NOTE
All Houses Shown on this Sheet are of Concrete Block Construction Unless Otherwise Noted.

-AS-BUILT PLAN-
Revised to show actual conditions according to construction record as of (A.F.L. 10-31-1956)

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

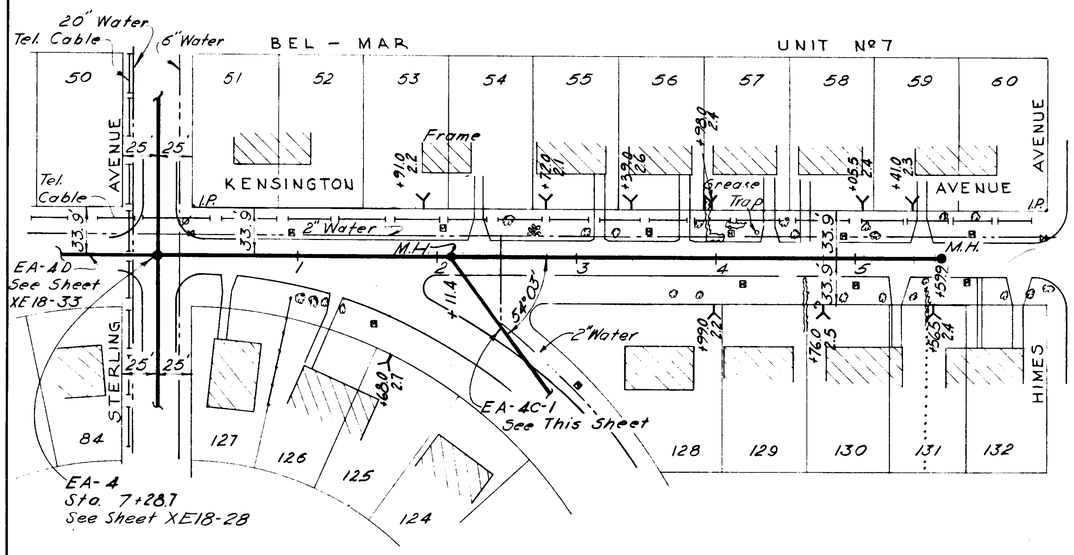
CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE18

EA-4
STA. 0+00 TO STA. 12+00,
EA-4A & EA-4B

DES. W.M.M.
DR. W.M.M.
CKD. F.F.E.
DATE: JUNE 1955

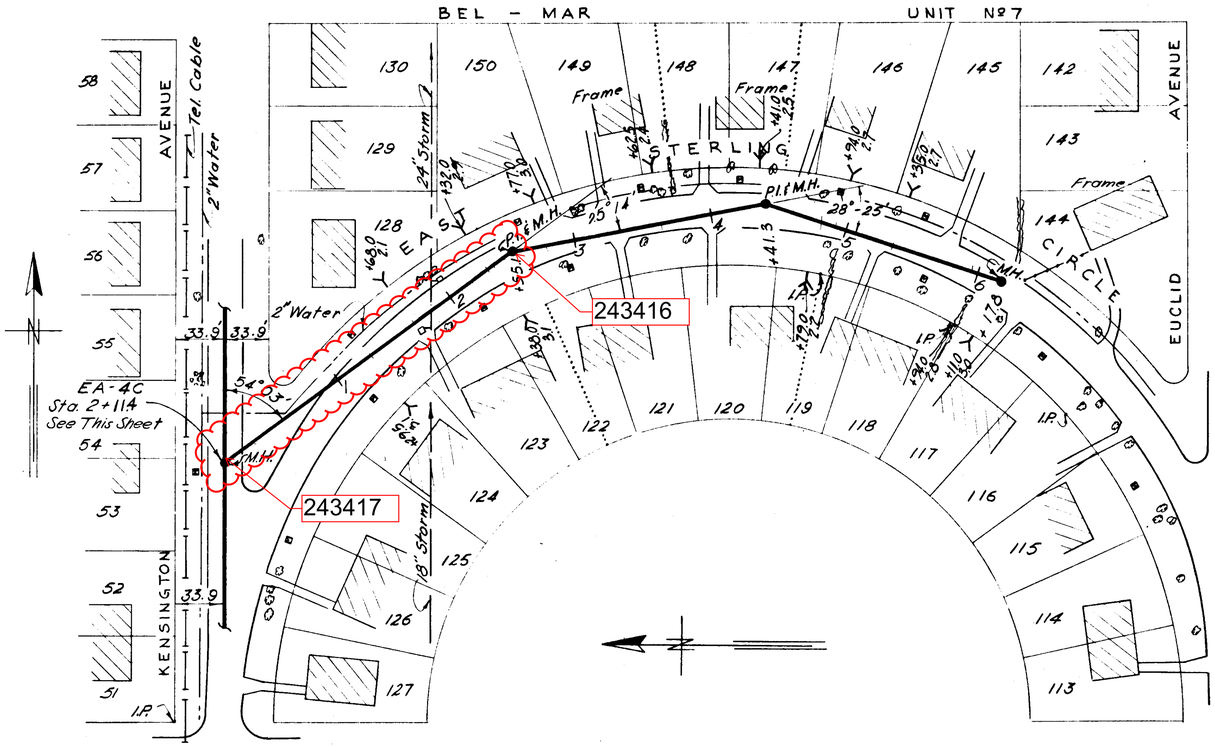
SCALE 50 0 50 100 1"=50'

SHEET XE18-28 OF 40



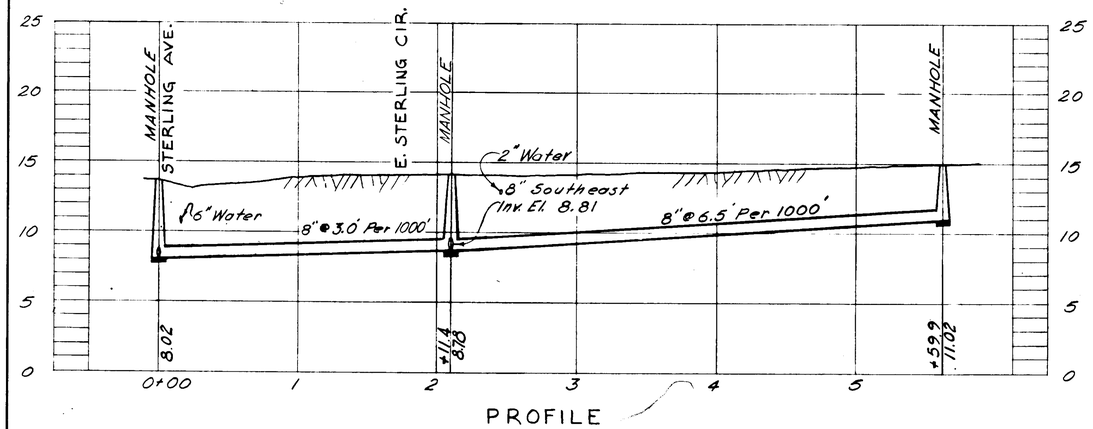
PLAN

Notes: (Pavement Replacement)
Sta. 0+60. to Sta. 5+62.0 replaced with 1½" Cold Mix Pavement.

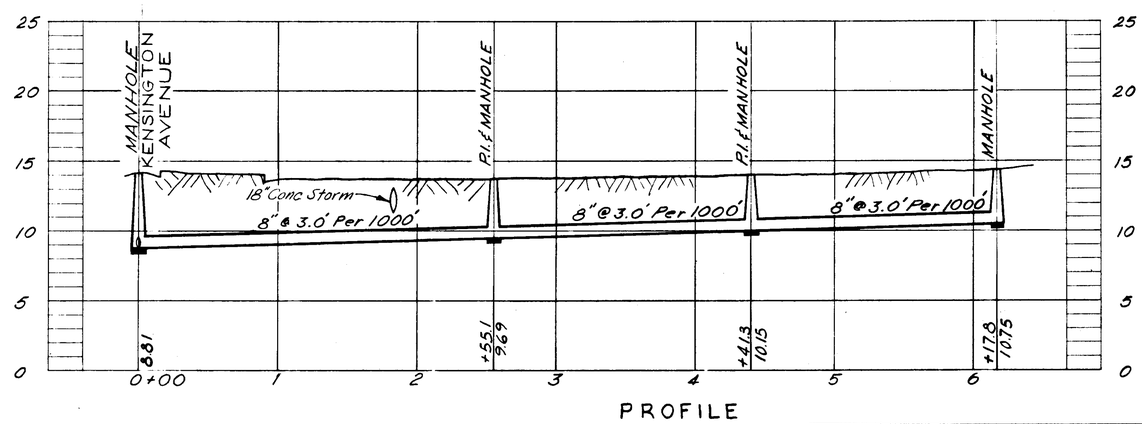


PLAN

Notes: (Pavement Replacement)
Sta. 0+00.0 to Sta. 0+12.0 replaced with 1½" Cold Mix Pavement.
Sta. 1+09.0 to Sta. 6+18.0 replaced with 1½" Cold Mix Pavement.



PROFILE
EA-4C



PROFILE
EA-4C-1

LEGEND - PROPERTY LINES
.....Property Lines as indicated by Hillsborough County Tax Records
———Property Lines as indicated by Subdivision Plat

NOTES:
1. All Houses Shown on this Sheet are of Concrete Block Construction Unless Otherwise Noted.
2. All Pavement is Single Surface Treatment on Asph. Conc. with Concrete Curbs and Gutters.

-AS-BUILT PLAN-
Revised to show actual conditions according to construction records as of (A.F.L. 11-5-56)

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE18

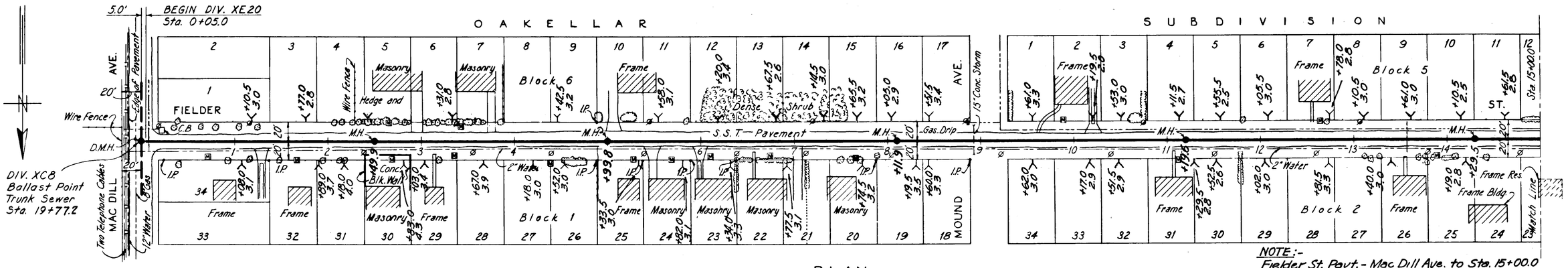
EA-4C & EA-4C-1

DES. W.M.M.
DR. W.M.M.
CKD. F.F.E.
DATE: JUNE 1955

SCALE 50 0 50 100 1"=50'

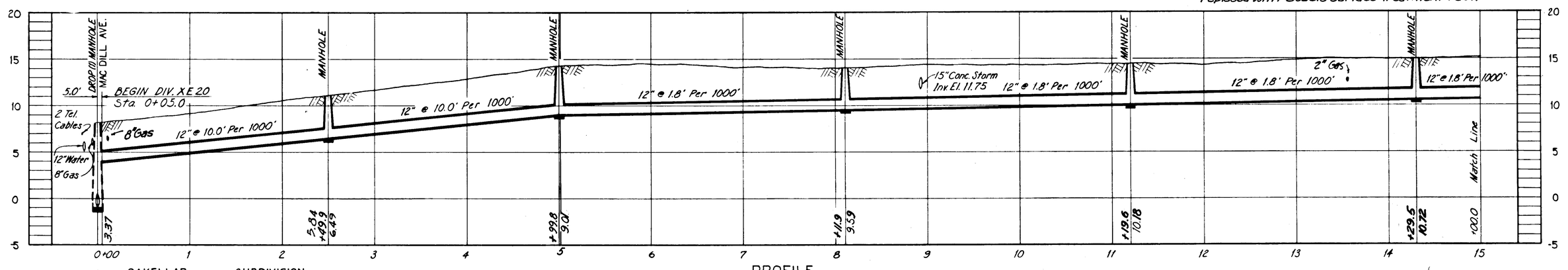
SHEET XE18-30 OF 40

67-30

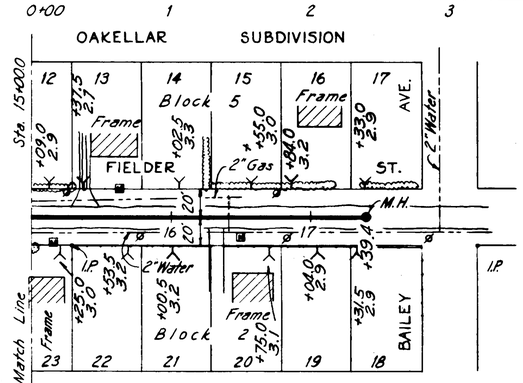


PLAN

NOTE:-
Fielder St. Pavt. - Mac Dill Ave. to Sta. 15+00.0 replaced with Double Surface Treatment Pavt.

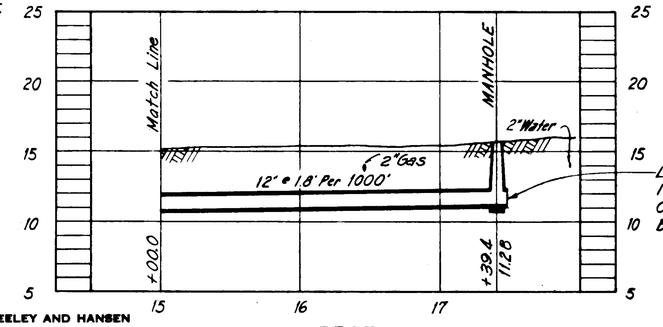


PROFILE
BP4

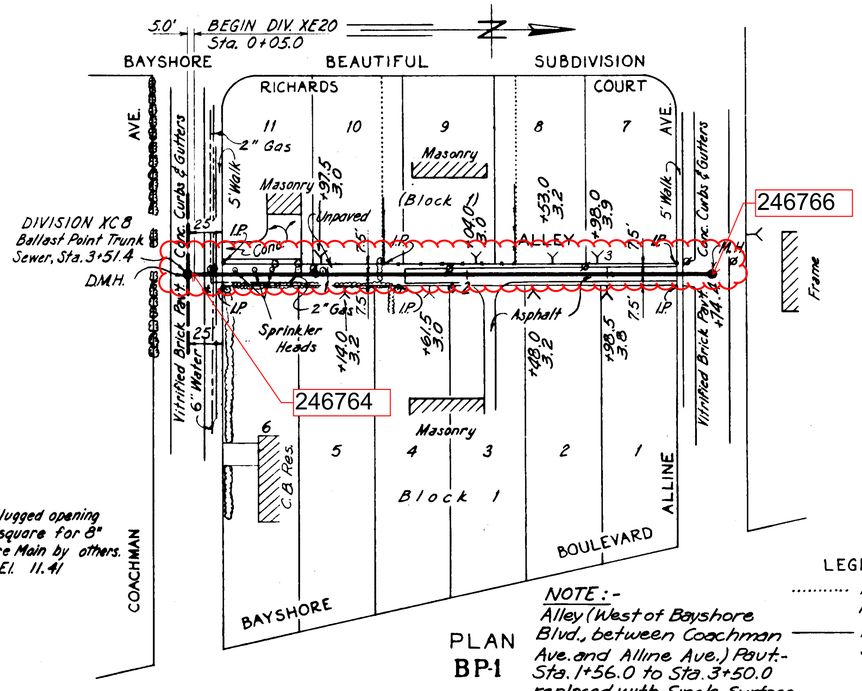


NOTE:-
Fielder St. Pavt. Sta. 15+00.0 to Sta. 17+40.0 replaced with Double Surface Treatment Pavt.

PLAN



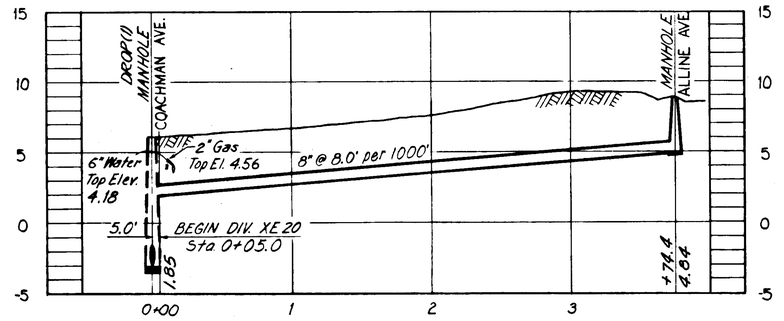
PROFILE
BP4



PLAN
BP-1

NOTE:-
Alley (West of Bayshore Blvd., between Coachman Ave. and Alline Ave.) Pavt.- Sta. 1+56.0 to Sta. 3+50.0 replaced with Single Surface Treatment Pavt.

LEGEND — PROPERTY LINES
..... Property Lines as indicated by Hillsborough County Tax Records.
——— Property Lines as indicated by Subdivision Plat.



PROFILE
BP-1

AS-BUILT PLAN
Revised to show actual conditions according to construction records as of (R.V.J 7-24-56)

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE20

BP-1 & BP-4

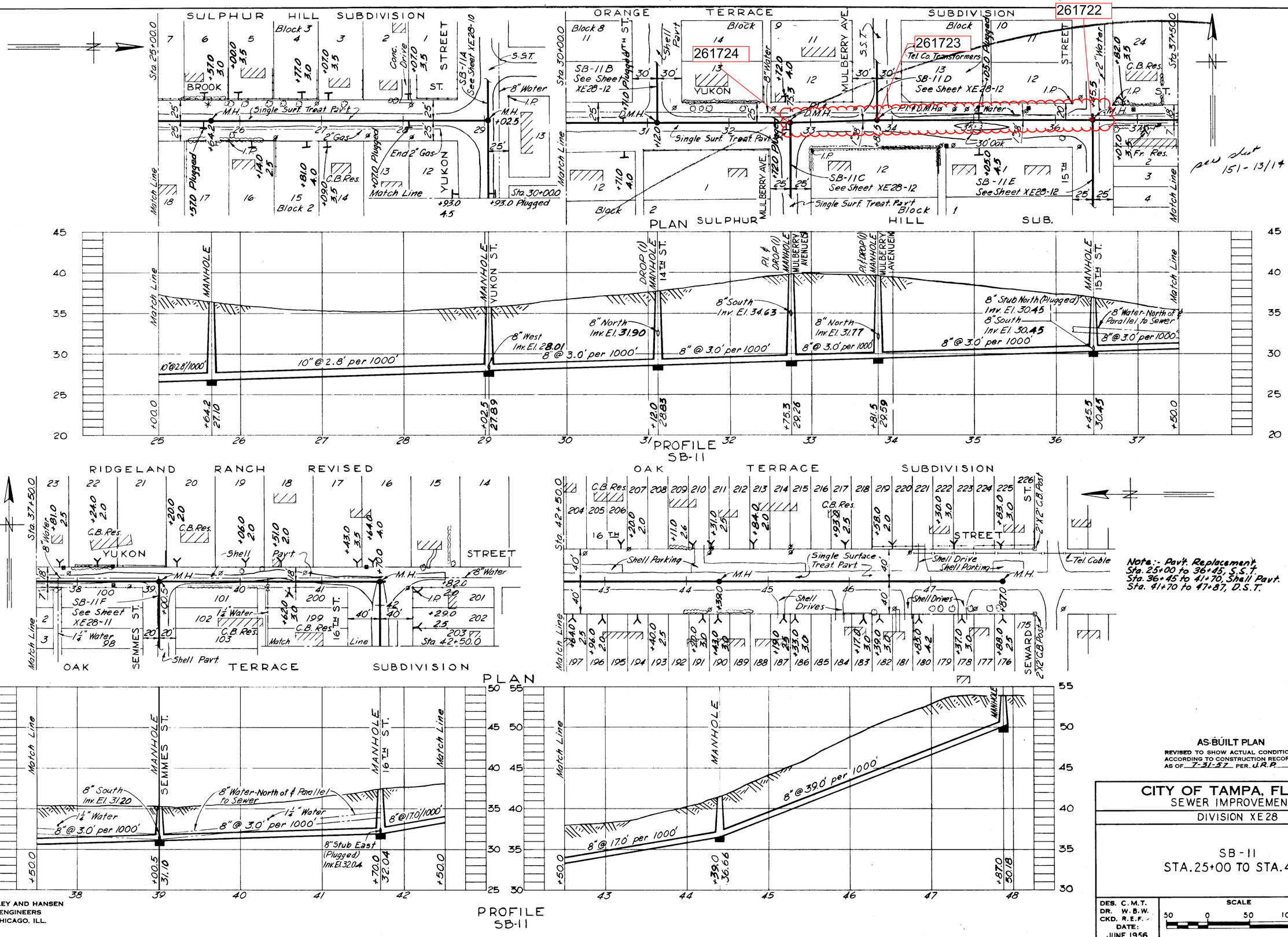
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

DES. E.E.S.
DR. A.D.C.
CKD. F.F.E.
DATE:
JUNE 1955

SCALE
50 0 50 100
1"=50'

SHEET
XE20-7
OF 19

69-7



per plat 151-13/14

Note:- Pav't. Replacement.
Sta. 25+00 to 36+45, S.S.T.
Sta. 36+45 to 41+70, Shell Pavt.
Sta. 41+70 to 47+87, D.S.T.

AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS ACCORDING TO CONSTRUCTION RECORDS AS OF 7-31-57 PER J.R.P.

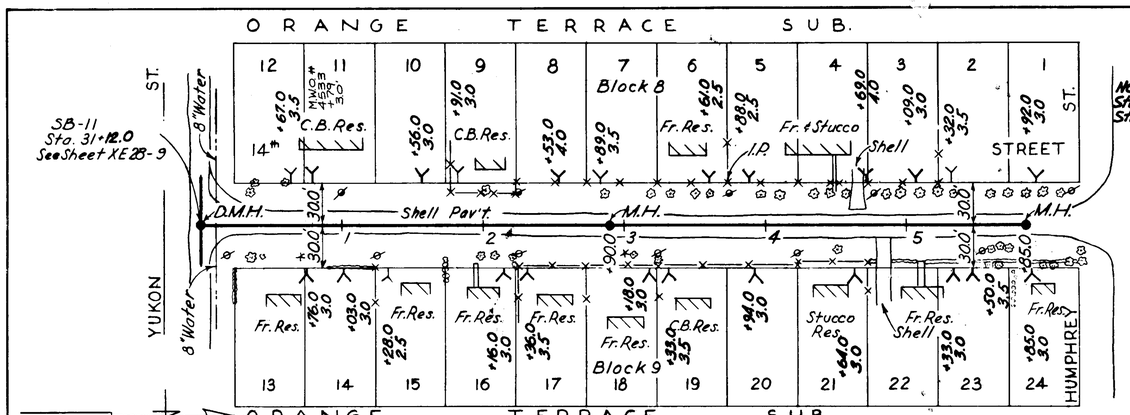
CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE28

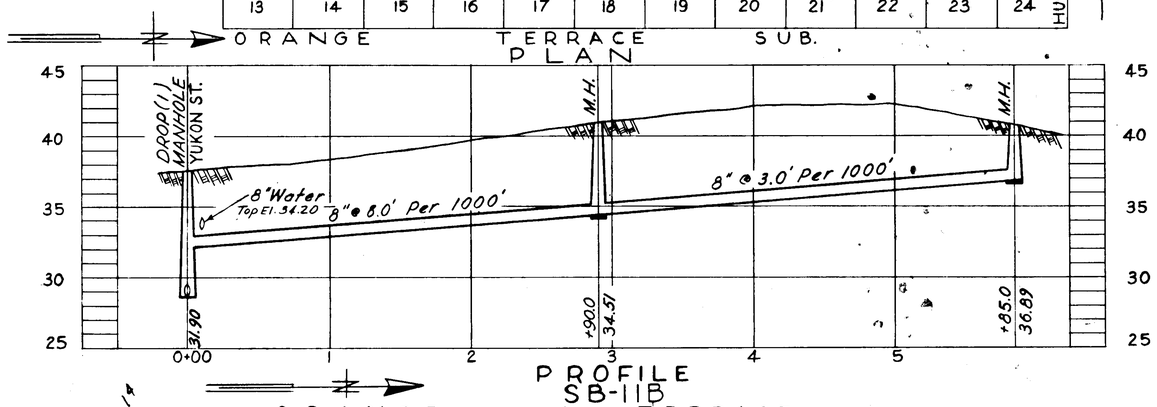
SB-11
STA. 25+00 TO STA. 47+87.0

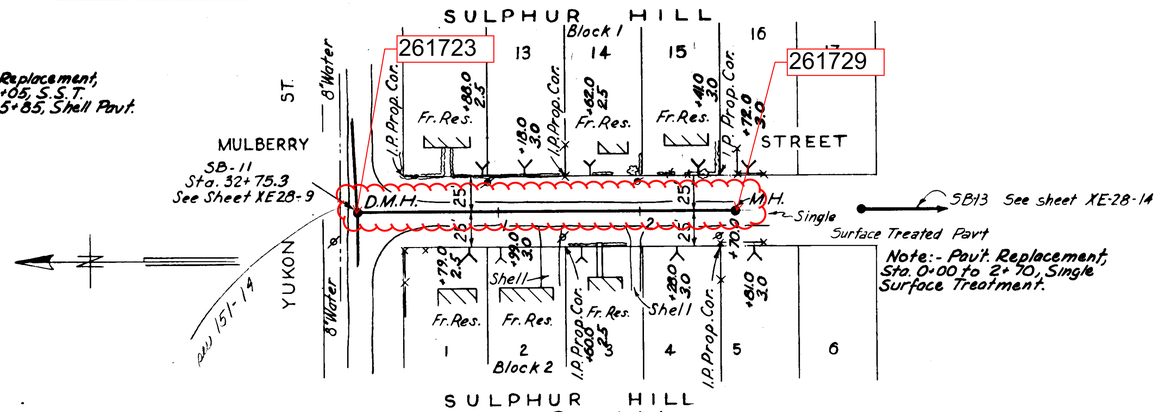
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

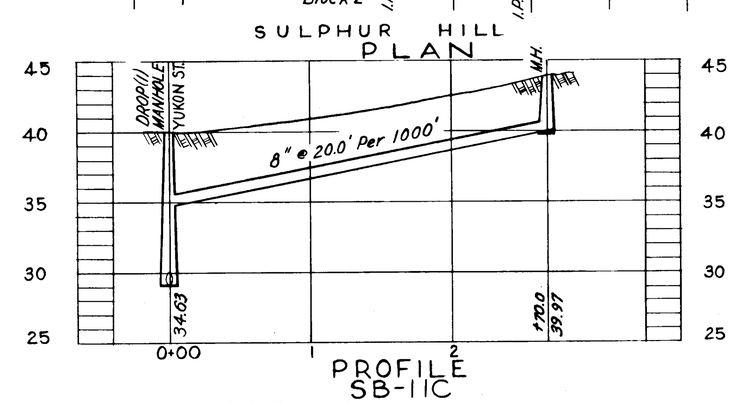
DES. C.M.T.	SCALE	SHEET
DR. W.B.W.	50 0 50 100 1"=50	XE28-9
CKD. R.E.F.		OF 22
DATE: JUNE 1956		

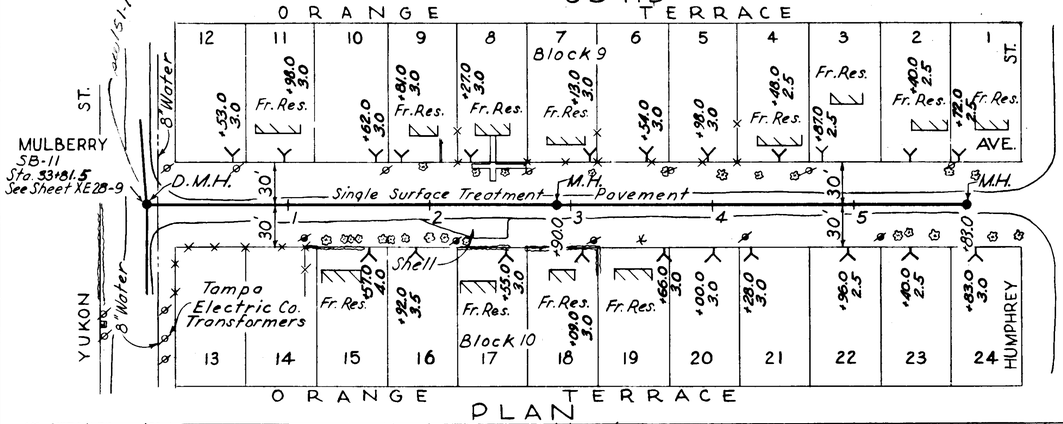
77-9

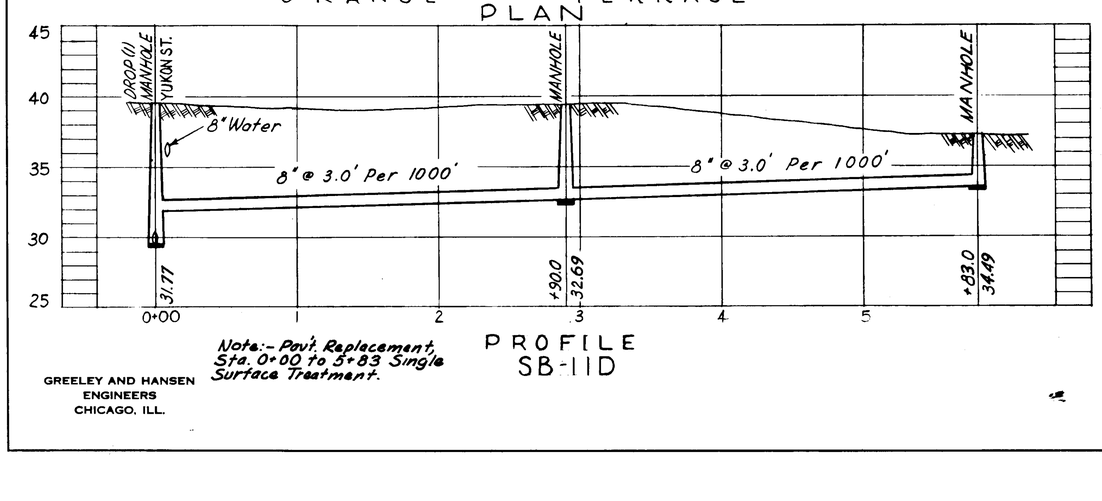


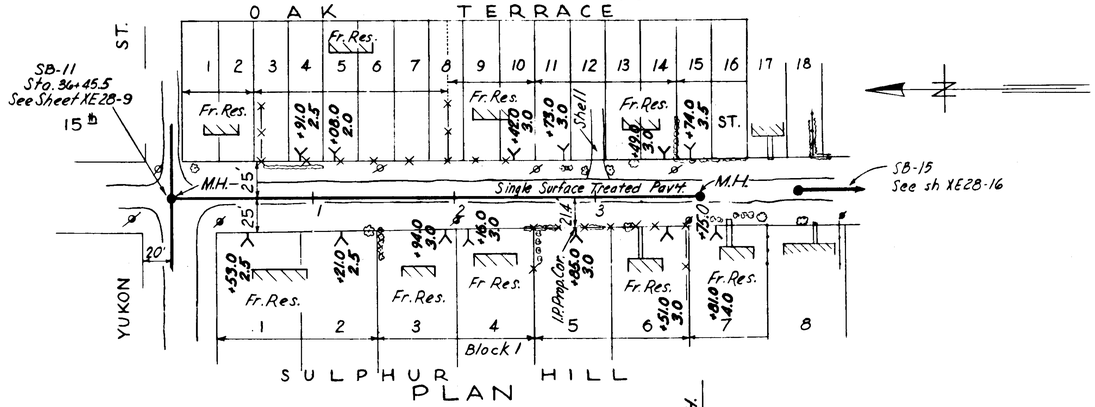


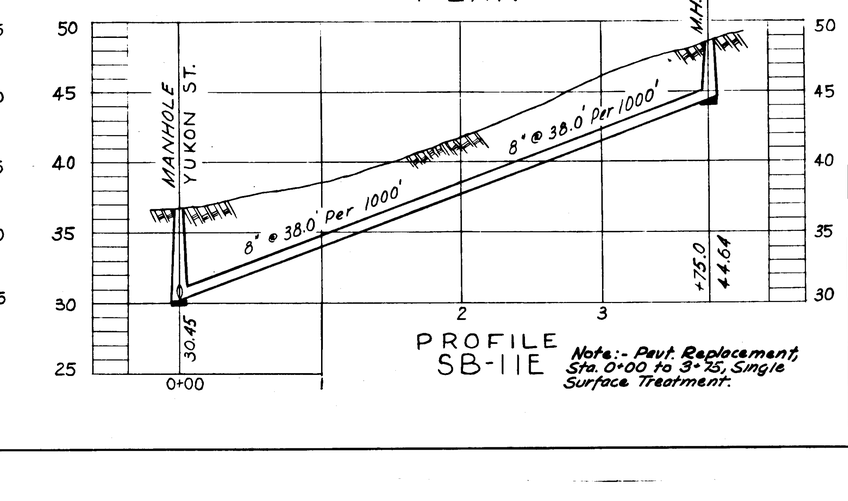












GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS
ACCORDING TO CONSTRUCTION RECORDS
AS OF August 1957 PER B. P. W. L. 12-5-57

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE28

SB-11B, SB-11C, SB-11D & SB-11E

DES. C.M.T.
DR. M.R.
CKD. R.E.F.
DATE: JUNE 1956

SCALE 50 0 50 100 1"=50

SHEET XE28-12 OF 22

77-12

HENRY & KNIGHTS ADDITION TO SULPHUR SPRINGS

MATCH LINE STA 14+00
SEE SHEET NO. 18

38 39 40 41 42 43 44 45 46 47 48 1713

C.B. Res. #8216 · Fr. Res. #8218 · Fr. Res. #8314 · C.B. Res. · Comm. Bldg. · Tucker's Grove

18TH ST.

4" Shell Base Bit. Surf. Tr. · 4" Shell Base Bit. Surf. Treatment

Chain Link Fence · Wire Fence · Conc. · P/L · Shell Area

JUNEAU ST.

*8215 Fr. Res. · *8217 Fr. Res. · *8303 Fr. Res. · *8307 Fr. Res. · *8311 C.B. Res. · *8313 Fr. Res. · *8315 C.B. Res. · C.B. Res.

11 10 9 8 7 6 5 4 3 2 1

OAK TERRACE

419 420 421 422 423 424 425 426 427 428 429 430 431 432

Fr. Res. *8406 · Fr. Res. *8410 · Fr. Res. *8414

417 418 18TH ST.

22 24 25

WATERS AVE.

445 446 433

*8401 Fr. Res. · *8403 Fr. Res. · *8409 Fr. Res. · *8413 Fr. Res. · *8415 Fr. Res.

444 443 442 441 440 439 438 437 436 435 434

241620

26+10.7 TRUNK SEWER
=6.5' Lt of ℄ Sta. 26+15.64

BACK TANGENT EXTENDED FORWARD W.O. 2826

15' EASEMENT

F.A.3-90 S.A.L. R.R.

241619

8" STUB (SOUTHEAST)

27+39.6 TRUNK SEWER
=1.5' Rt. of ℄ Sta. 27+44.28

BLOCK J

FAIRBANKS AVE.

*1802 Fr. Res. · *1801 Fr. Res. · C.B. Res.

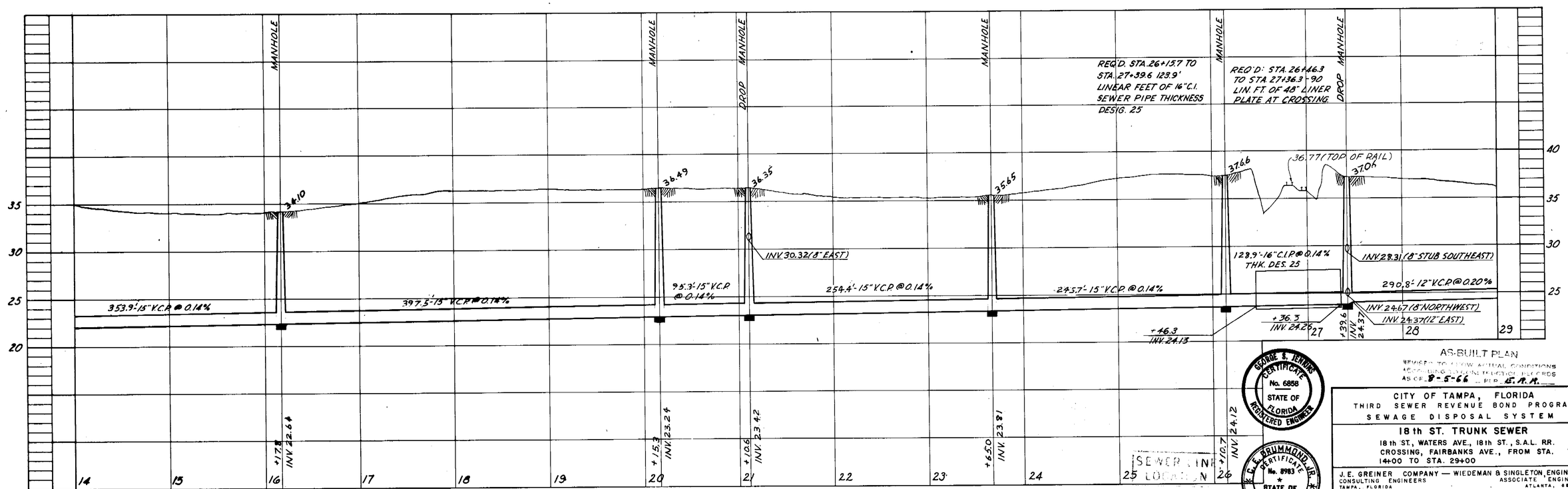
17 18 19 28 27 26 29 30 31

BLOCK H HILLSBORO HEIGHTS SOUTH

MATCH LINE STA. 29+00
SEE SHEET No. 20

B.M. No. A8 6-1
R. R. Spike in 24" Double Oak
@ N. E. Cor. Sitka St. &
Marks St.
Elev. 27.605

AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS
ACCORDING TO CONSTRUCTION RECORDS
AS OF 8-2-66 PER E.A.R.



AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS
ACCORDING TO CONSTRUCTION RECORDS
AS OF 8-5-66 PER E.A.R.

GEORGE S. JENKINS CERTIFICATE No. 6858 STATE OF FLORIDA REGISTERED ENGINEER

E. F. DRUMMOND, JR. CERTIFICATE No. 8983 STATE OF FLORIDA REGISTERED ENGINEER

SEWER LINE LOCATION

D-13-39

CITY OF TAMPA, FLORIDA
THIRD SEWER REVENUE BOND PROGRAM
SEWAGE DISPOSAL SYSTEM

18th ST. TRUNK SEWER

18th ST., WATERS AVE., 18th ST., S.A.L. RR. CROSSING, FAIRBANKS AVE., FROM STA. 14+00 TO STA. 29+00

J. E. GREINER COMPANY — WIEDEMAN & SINGLETON, ENGINEERS
CONSULTING ENGINEERS — TAMPA, FLORIDA
ASSOCIATE ENGINEERS — ATLANTA, GEORGIA

DES. LDH
DRN. ELH
CKD. ELH
SCALE 1"=50'
DATE JAN. 66

PROJECT 18
SUBDISTRICT A-8b

SHEET 19 OF 25

102-19

241618

B.M. No. A8 6-1
R. R. Spike in 24" Double Oak
@ N. E. Cor. Sitka St. &
Marks St.
Elev. 27.605

SEE SHEET No. 21
MATCH LINE STA. 44+00

HILLSBORO HEIGHTS SOUTH
BLOCK F

WOOD ST.

ROWLETTE
PARK

HILLSBORO HEIGHTS SOUTH
BLOCK H

HILLSBORO HEIGHTS SOUTH
BLOCK G

FAIRBANKS AVE.

MATCH LINE STA. 29+00
SEE SHEET No. 19

20TH ST.

22ND ST.

BLOCK J

BLOCK K

Shell Base Bit. Surf. Tr.

AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDIT
ACCORDING TO CONSTRUCTION REC
AS OF 8-2-66 PER E.R.R.

MANHOLE
DROP MANHOLE
MANHOLE
MANHOLE
MANHOLE
WOOD ST.

35.10
35.10
T/C (Appx.)
INV 28.83 (8" SOUTH)
35.53
37.50
37.42
INV 27.66 (8" WEST)

301.0'± 12" V.C.P. @ 0.20%
332.3'± 12" V.C.P. @ 0.20%
333.2'± 12" V.C.P. @ 0.20%
250.7'± 12" V.C.P. @ 0.20%
250.0'± 12" V.C.P. @ 0.20%

+30.4 INV 24.76
+31.4 INV 25.68
+63.7 INV 28.31
+96.9 INV 27.07
+47.6 INV 27.51

GEORGE S. HENNIS CERTIFICATE No. 6858 STATE OF FLORIDA REGISTERED ENGINEER

C.E. DRUMMOND JR. CERTIFICATE No. 8983 STATE OF FLORIDA REGISTERED ENGINEER

SEWER LINE LOCATION

SEC. MAP No.	LINE No.
C-13-14	

CITY OF TAMPA, FLORIDA
THIRD SEWER REVENUE BOND PROGRAM
SEWAGE DISPOSAL SYSTEM

18th ST. TRUNK SEWER

FAIRBANKS AVE. - STA. 29+00 TO 22nd ST.
22nd ST. - FAIRBANKS AVE. TO STA. 44+00

J.E. GREINER COMPANY — WIEDEMAN & SINGLETON, ENGINEERS
CONSULTING ENGINEERS TAMPA, FLORIDA — ASSOCIATE ENGINEERS ATLANTA, GEORGIA

DES. LDH
DRN. BPB
CKD. R.L.S.
SCALE 1"=50'
DATE JAN-64

PROJECT 18
SUBDISTRICT A-8b

SHEET 20 of 25

102-20

SPRING HILL ADDITION

BLOCK 7

ESKIMO AVENUE

STREET

Playground

Conc. Post 5' C. to C.

C.B. Comm. Bldg.

Fr. Res. #904

Fr. Res. #910

Fr. Res. #916

Wire fence

6" Shell Base | 8" Bit. Surf. | 2" Tr'mt.

4" Shell

12"

Conc.

Hedge

10th

EASEMENT

0+00.0 ESKIMO AVE. SEWER
4+18.3 EASEMENT SEWER

#1001 C.B. Res.

#1003 C.B. Res.

#1007 C.B. Res.

#1009 C.B. Res.

#1011 Fr. Res.

#1013 C.B. Res.

#913 Fr. Res.

#915 Fr. Res.

#8712 C.B. Res.

Wire

Conc.

BLOCK 6

BLOCK 5

BLOCK 8

C.B. Res. #1102

Fr. Res. #1106

Fr. Res. #1108

#1101 C.B. Res.

#1105 C.B. Res.

#1107 C.B. Res.

BLOCK 4

A-8 TBM #1
□ Cut top curb S. E. cor. Nebraska Ave. & Eskimo Ave.
28.390

MANHOLE EASEMENT

MANHOLE

MANHOLE

12" W/L (Approx.)

330.4' - 8"-V.C.P @ 1.12%

400' - 8"-V.C.P @ 1.12%

8" (NORTH & SOUTH)

INV. 26.02

+30.4 INV. 29.69

+30.4 INV. 34.18

40 35 30 25 20

0 1 2 3 4 5 6 7

SPRING HILL ADDITION

BLOCK 10

BLOCK 7

0+00.0 HUMPHREY ST. SEWER
=6+81.7 EASEMENT SEWER

HUMPHREY STREET

C.B. Res. #908

Fr. Res. #910

Fr. Res. #912

C.B. Res. #914

C.B. Res. #916

Conc.

Wire Fence

Picket Fence

4" Shell Base Bit. Surf. Treatment

#909 Fr. Res.

#911 Fr. Res.

#915 #917 C.B. Res. (Duplex)

#913 #921

EASEMENT

BLOCK 12

SPRING HILL ADDITION

BLOCK 13

BLOCK 11

0+00.0 ALLEY SEWER
=3.5' Lt of ℄ Sta. 7+88.40

255940

261878

SKAGWAY AVENUE

OKALOOSA AVENUE

ALLEY

Corr. Metal Wall

Conc. Slab

C.B. Comm. Bldg. #9909 & #9909½

Comm. Bldg.

B.M. A-778
□ Cut in Center 30" Pvt. Concrete Sidewalk 3¹ N. of S. End N.W. Corner Temple Terrace Hwy. and 10th St. No. 928 Temple Terrace Hwy.
Elev. 38.205

MANHOLE EASEMENT

MANHOLE

286' - 8"-V.C.P @ 0.40%

8" (NORTH & SOUTH)

INV. 26.99

+86 INV. 28.28

MANHOLE SKAGWAY AVE.

MANHOLE OKALOOSA AVE.

262.6' - 8"-V.C.P @ 0.76%

8" (EAST)

INV. 22.53
8" (SOUTH)

Existing 30" (EAST & WEST)

REQUIRED: STA. 0+00 CONNECTION TO EXISTING SEWER

TO SET INV. TO MATCH EXIST. SEWER

+62.6 INV. 24.55

35 30 25 20

0 1 2

AS-BUILT PLAN

REVISED TO SHOW ACTUAL CONDITIONS ACCORDING TO CONSTRUCTION RECORDS AS OF 7-22-68 PER M.V.B.

CERTIFICATE No. 6858 STATE OF FLORIDA REGISTERED ENGINEER

CERTIFICATE No. 8980 STATE OF FLORIDA REGISTERED ENGINEER

CITY OF TAMPA, FLORIDA
THIRD SEWER REVENUE BOND PROGRAM
SEWER IMPROVEMENTS

ESKIMO AVE.-EASEMENT TO 730.4'E.
HUMPHREY ST.-EASEMENT TO 286'E.
ALLEY - SKAGWAY AVE. TO OKALOOSA AVE.

J.E. GREINER COMPANY — WIEDEMAN & SINGLETON ENGINEERS
CONSULTING ENGINEERS TAMPA, FLORIDA — ASSOCIATE ENGINEERS ATLANTA, GEORGIA

DES. JDR
DRN. RWH
CKD. RWH
SCALE 1"=50'
DATE 7-28-64

PROJECT 19
DIVISION A
SUBDISTRICT A-8b

SHEET 6 OF 36

103-6

261878

261877

261876

BLOCK 5 TEMPLE TERRACE SUBD.

BLOCK 4 SPRING HILL ADDITION BLOCK 3

ALLEY

OKALOOSA AVE.

10TH ST.

11TH ST.

12TH ST.

Shell

Conc.

Wire Fence

Ch. Link Fence

Hedge

Fr. Res. #905

Fr. Res. #907

Fr. Res. #909

C.B. Church

Fr. Church

C.B. Res. #910

C.B. Res. #912

C.B. Res. #1002

C.B. Res. #1004

C.B. Res. #1006

Fr. Res. #1010

Fr. Res. #1012

C.B. Res. #1014

Fr. Res. #1014½

Fr. Res. #1016

C.B. Res. #1102

Fr. Res. #1104

C.B. Res. #1108

C.B. Res. #1110

Fr. Res. #1109

C.B. Res. #1113

C.B. Res. #1115

Fr. Res. #3323

Fr. Res. #3311 (2 Story)

Fr. Res. #3309

Fr. Res. #3307

14" 4" x 4" Conc. Posts 6'± C. to C.

B.M. A-965
(Cut on ... Ave. ... ft. W. of N. curb of Okaloosa (Front 9004 Nebraska)
Elev. 31.341

0+00.0 OKALOOSA AVE. SEWER
2+62.6 EASEMENT SEWER

MANHOLE EASEMENT

REQUIRED: CLASS C CONC. ENCASEMENT AT WATER LINE CROSSING

MANHOLE

MANHOLE

MANHOLE

12" W/L (Approx.)

379' - 8" V.C.P. @ 0.40%

379' - 8" V.C.P. @ 0.40%

378' - 8" V.C.P. @ 0.40%

8" (NORTH)

INV. 24.58

INV. 26.16

INV. 27.83

INV. 29.36

ORANGE TERRACE SUBD.

BLOCK 5

BLOCK 6

12TH ST.

Storage Shelter

Fr. Res. #8903

Fr. Res. #8901

Fr. Res. #8811

Fr. Res. #8509

Fr. Res. #8507

Fr. Res. #8713

Fr. Res. #8709

Fr. Res. #8707

Fr. Res. #8705

Fr. Res. #8703

6" High C.B. Wall

Concrete Walk

Wire Fence

MW.O. 3332

MW.O. 3540

6" Shell Base - Bit. Surf. Treatment

90°-04'

176'-25'

93°-31'

90°-04'

90°-03'

89°-57'

STORAGE YARD

0+00.0-12TH ST. SEWER
4+38.7 SKAGWAY AVE. SEWER

4+00.0 SEWER
8 Lt. of ℄ Sta.

Wire Fence & Hedge

MW.O. C.B. Res.

Junk Yard

#8712 C.B. Res.

Fr. Res. #1116

Fr. Res. #1114

Fr. Res. #1115

Fr. Res. #1113

Fr. Res. #1111

Fr. Res. #1109

SKAGWAY AVE.

OKALOSA AVE.

HUMPHREY

ESKIMO AVE.

YUKON ST.

BLOCK 13

BLOCK 9 SPRING HILL ADDITION BLOCK 8

BLOCK 4

B.M. A-8 4-2
Cut on S.W. Corner Concrete Sidewalk Front of Store N.W. Corner Temple Terrace Hwy. and 12th St.
Elev. 35.895

MANHOLE SKAGWAY AVE.

MANHOLE

MANHOLE HUMPHREY ST.

MANHOLE ESKIMO AVE.

MANHOLE

REQUIRED: CLASS C CONC. ENCASEMENT AT WATER LINE CROSSING

6" W/L Approx.

400' - 8" V.C.P. @ 0.40%

384' - 8" V.C.P. @ 0.40%

257' - 8" V.C.P. @ 0.40%

328' - 8" V.C.P. @ 0.40%

8" (WEST)

8" (WEST)

INV. 27.46

INV. 29.14

INV. 29.59

INV. 30.62

INV. 32.09

AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS ACCORDING TO CONSTRUCTION RECORDS AS OF 7-26-62 PER C.W.S.

CITY OF TAMPA, FLORIDA
THIRD SEWER REVENUE BOND PROGRAM
SEWER IMPROVEMENTS

OKALOSA AVE. - ALLEY TO 11TH ST. - 12TH ST. - SKAGWAY AVE. TO 111.3 ± S.

J. E. GREINER COMPANY — CONSULTING ENGINEERS — TAMPA, FLORIDA — ASSOCIATE ENGINEERS — ATLANTA, GEORGIA

DES. ... DRN. ... CKD. ... SCALE 1"=40' DATE 7-62

PROJECT 19
DIVISION A
SUBDISTRICT 4.0

SHEET 7

103-7

241545

241544

241619

BLOCK D

BLOCK C

0+00.0 18th ST. SEWER
-27+44.6 18th ST. TRUNK SEWER

5+26.3 SEWER
18" RC 6 Sta. 5+38.77

7+79.9 SEWER
18" RC 6 Sta. 7+78.79

10+37.4 SEWER
15" RC 6 Sta. 10+38.79

12+98.4 SEWER
15" RC 6 Sta. 2+40.00

8" STUB (NORTH)

8" STUB (SOUTHEAST)

B.M. A-8 10-1
R.R. Spike in Power Pole
at S. E. Corner 18th
St. and Fairbanks St.
on W. Side of A.C.L. R.R.
Elev. 38.462

BLOCK H HILLSBORO HEIGHTS

BLOCK E SOUTH HILLSBORO HEIGHTS

BLOCK E

BLOCK D HILLSBORO HEIGHTS

WOOD ST. | SEWARD ST. | YUKON ST. | ESKIMO AVE. | HUMPHREY ST.

FAIRBANKS AVE.

18th ST.

20th ST.

22nd ST.

WATERS AVE.

BEGIN DIVISION B
PROJECT 19

DROP MANHOLE

MANHOLE

INV. 33.25 (8" WEST)
INV. 30.00 (8" EAST)

Top 8" VCP 38.87

INV. 33.06 (8" EAST)
& 8" STUB (WEST)

INV. 28.75 (8" EAST)

4" C.I.P. F.M. Appr.

146.2'-8" VCP @ 0.40%

127'-8" V.C.P. @ 0.40%

254.1'-8" VCP @ 0.40%

253.6'-8" VCP @ 0.40%

252.3'-8" V.C.P. @ 0.40%

261'-8" VCP @ 0.66%

INV. 24.88 (8" NORTHWEST)
INV. 24.97 12" (EAST)
15" (SOUTHWEST)

8" STUB (NORTH)

6" C.I.P. F.M. (EAST)

6" (EAST)

JONES ADDITION TO SULPHUR SPRINGS

OAK TERRACE SUB

Reg. Res. 12
2004

Fr. Res. 2008

Fr. Res. 2010

Fr. Res. 2012

Fr. Res. 2020

Fr. Res. 1804

Fr. Res. 1808

C.B. Res. 1810

WATERS AVE.

5" Conc. S/W

4" Shell Base Bit. Surf. Treatment

0+00.0 WATERS AVE. SEWER
-5+68.4 20th ST. SEWER

2005 Fr. Res.

2011 Fr. Res.

2015 Fr. Res.

2019 C.B. Res.

2021 Fr. Res.

2023 Fr. Res.

2035 Fr. Res.

1905 Fr. Res.

1807 C.B. Res.

B.M. No. A-8 10-2
R.R. Spike in N. Side
of 15" Oak at N. E.
Corner of 20th St. and
Fairbanks St.
Elev. 35.109

B.M. No. A-8 10-1
R. R. Spike in Power Pole
at S. E. Corner 18th
St. and Fairbanks St.
on W. Side of A.C.L. R.R.
Elev. 38.462

KATHRYN PARK

HENDRY and KNIGHTS KATHRYN PARK SUB

HILLSBORO LANE

0+00.0 WATERS AVE. SEWER
-5+68.4 20th ST. SEWER

MANHOLE

TC. (Appr.)

300'-8" V.C.P. @ 0.40%

699'-8" V.C.P @ 1.80%

289'-8" V.C.P @ 0.40%

INV. 30.32 (8" EAST)

8" (NORTH) & 8" STUB (WEST)

8" (NORTH & WEST)

AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS
ACCORDING TO CONSTRUCTION RECORDS
AS OF 10-18-65 PER W.O. 28.

GEORGE T. BRUCE
No. 5999
STATE OF FLORIDA
REGISTERED ENGINEER

J. E. DRUMMOND JR.
CERTIFICATE
No. 5995
STATE OF FLORIDA
REGISTERED ENGINEER

CITY OF TAMPA, FLORIDA
THIRD SEWER REVENUE BOND PROGRAM
SEWER IMPROVEMENTS

18 TH ST.- FAIRBANKS AVE. TO HUMPHREY ST.
WATERS AVE.- 20 TH ST. TO 600' E.
WATERS AVE.- 18 TH ST. TO 290' E.

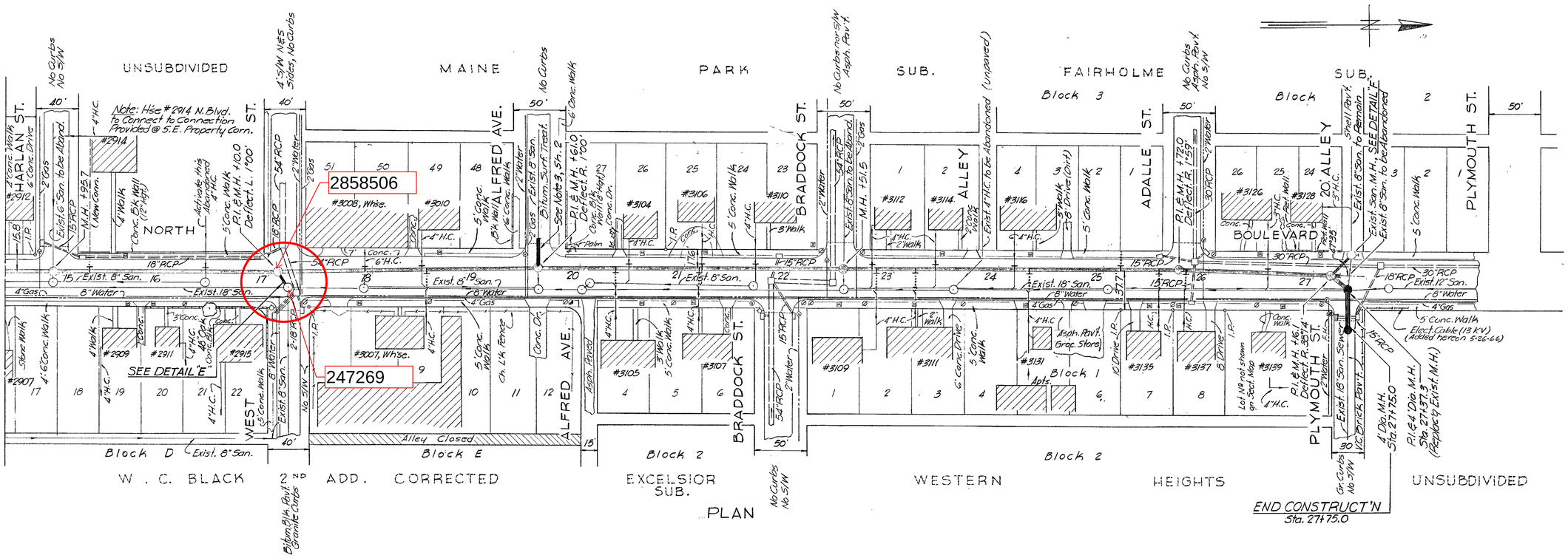
J.E. GREINER COMPANY — WIEDEMAN & SINGLETON ENGINEERS
CONSULTING ENGINEERS TAMPA, FLORIDA
ASSOCIATE ENGINEERS ATLANTA, GEORGIA

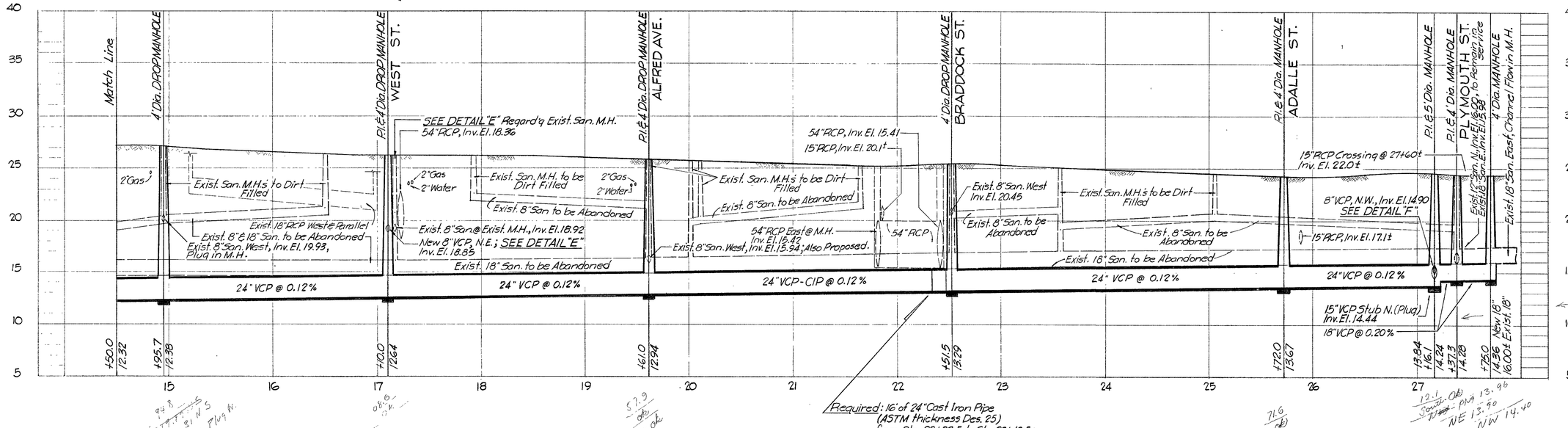
DES. JWC
DR. JWC
CH. JWC
SCALE 1"=40'
DATE 12-64

PROJECT 19
DIVISION B
SUBDISTRICT A-8b

SHEET 30 OF 36

103-30



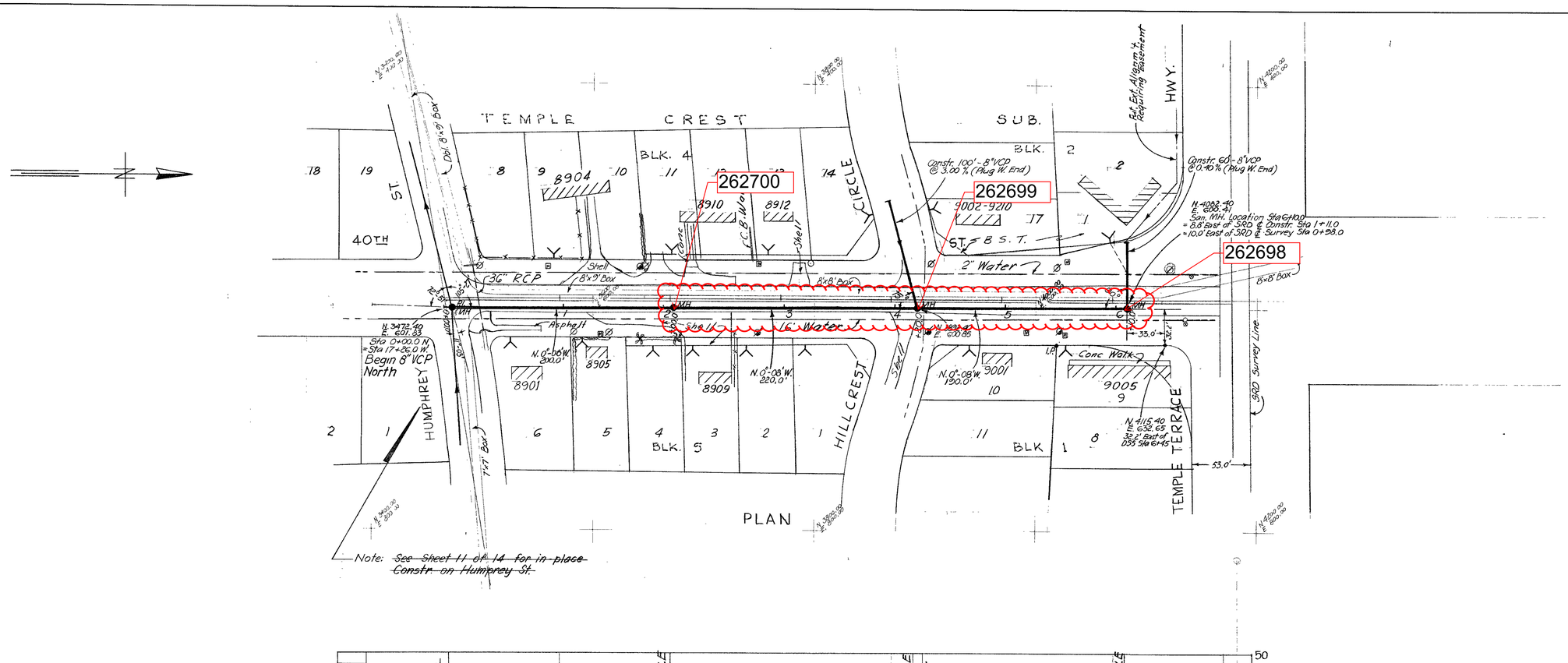


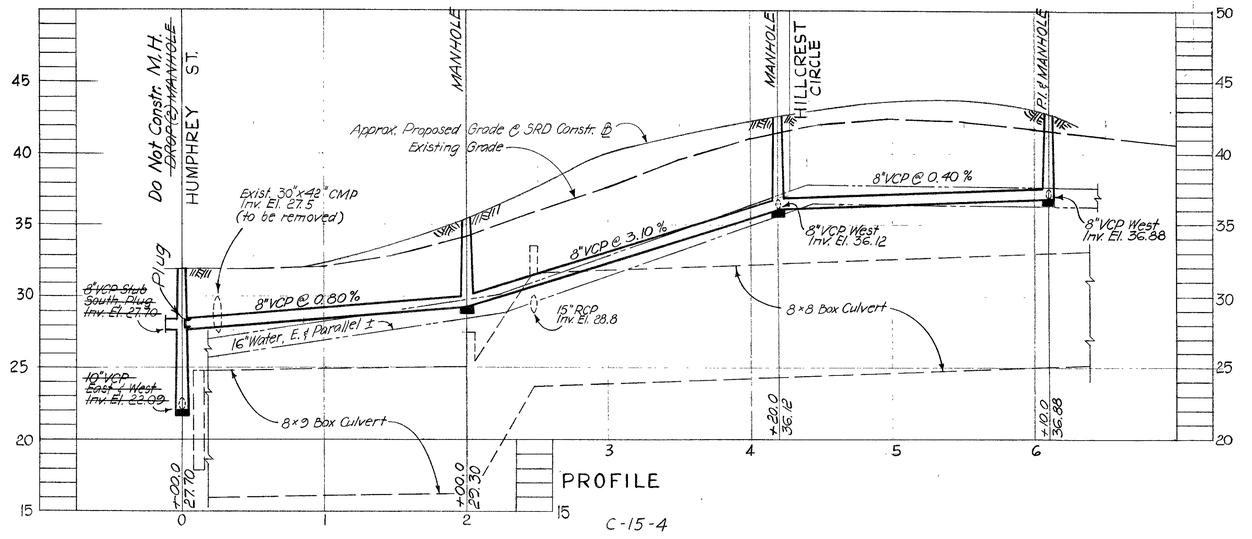
5-26-66	Rev. No 1; Exist. Elect. Cable inform. (N.E. corn. of N. Blvd. & Plymouth) rec'd after issue of dwgs. for bidding.	SEWER LINE LOCATION SEC. MAP No. G-12	LINE No. 13

CITY OF TAMPA, FLORIDA
THIRD SEWER REVENUE BOND PROGRAM
TRUNK SEWER REPLACEMENT
NORTH BOULEVARD: Sta. 14+50.0 to Plymouth St.

DES: C M T DRN: C M T CKD: A S C SCALE: 1"=50 DATE: JAN. '66	NORTH BLVD. TRUNK SEWER PROJECT: 25 SUBDISTRICT: A-12	SHEET: 3 OF 6

109-3





NOTES: Sanitary Manhole Frame & Cover shall be set to the elevation for new paving surface as established by S.R.D.

R & R F.A. Nº 55 W.O. 1790

CITY OF TAMPA, FLORIDA

RENEWAL & REPLACEMENT

SEWER IMPROVEMENTS

40TH ST.: Humphrey St. to Temple Terrace Hwy.

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
C-15	4

DES: CMT
DRN: JMR
CKD: CMT
DATE: AUG. 1966

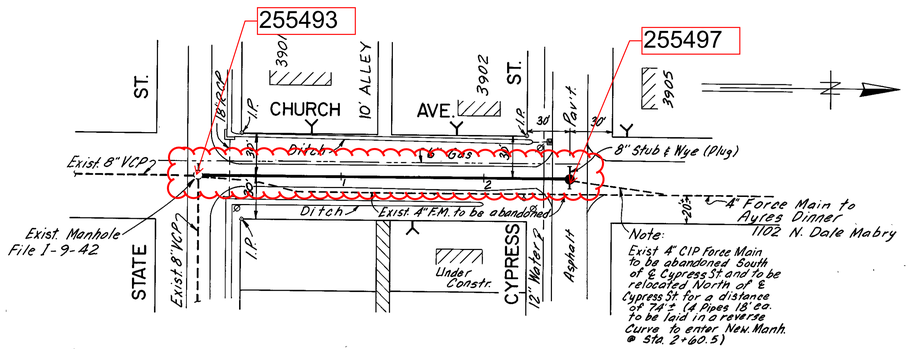
SCALE. 50 0 50 100
1" = 50'

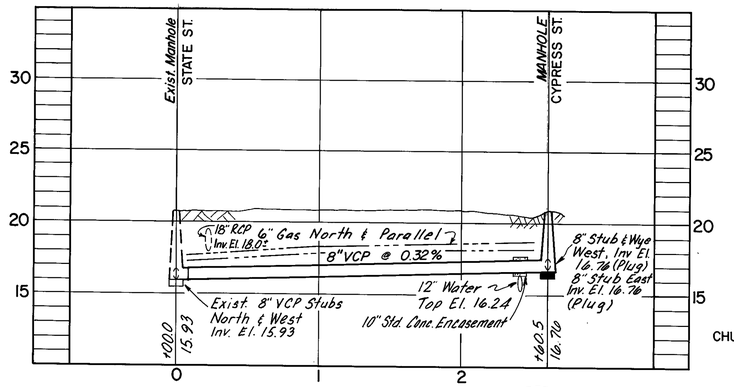
Drainage Subdistrict A-10

SHEET 9 OF 14

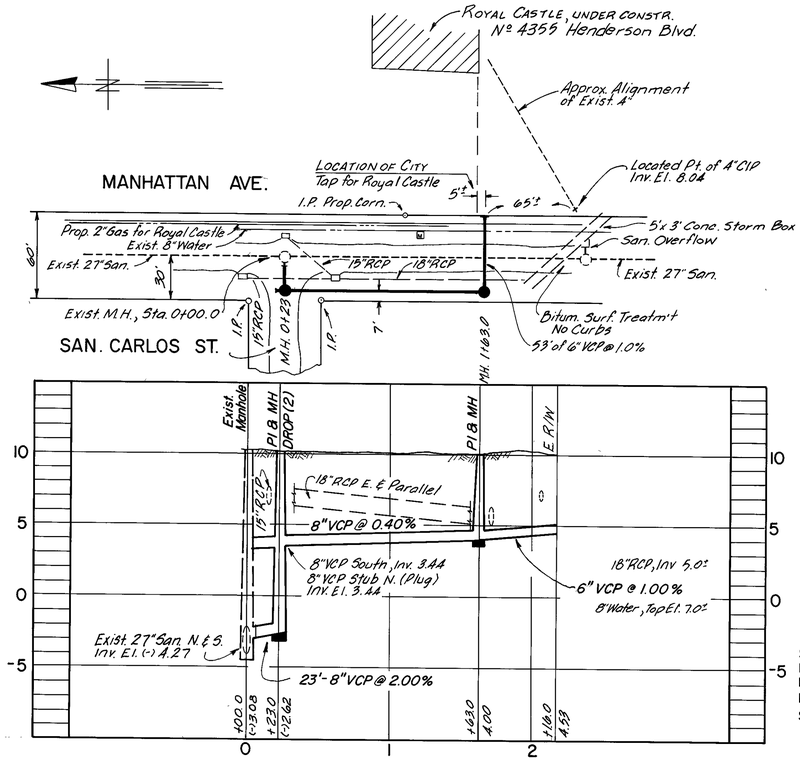
109-15

AP 30179

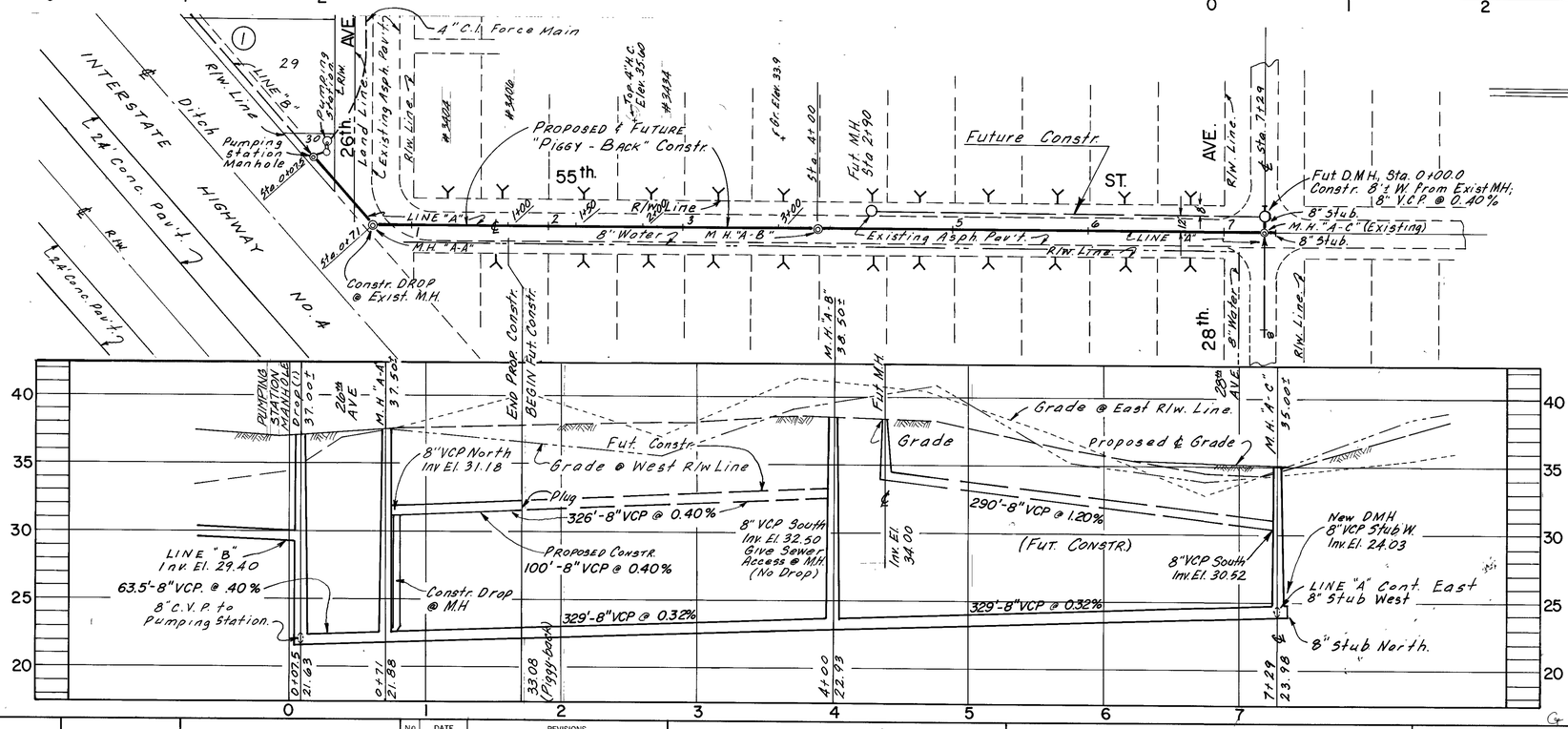




CHURCH ST.: State to Cypress
DRN. JMR
APRIL 66



SERVICE CONNECTION for Nº 4355 HENDERSON BLVD. & FUTURE EXTENSION ON MANHATTAN AVE., N. from SAN CARLOS ST.



55TH ST: 26th Ave. to 28th AVE.
DRN JMR
APRIL 66

G-16

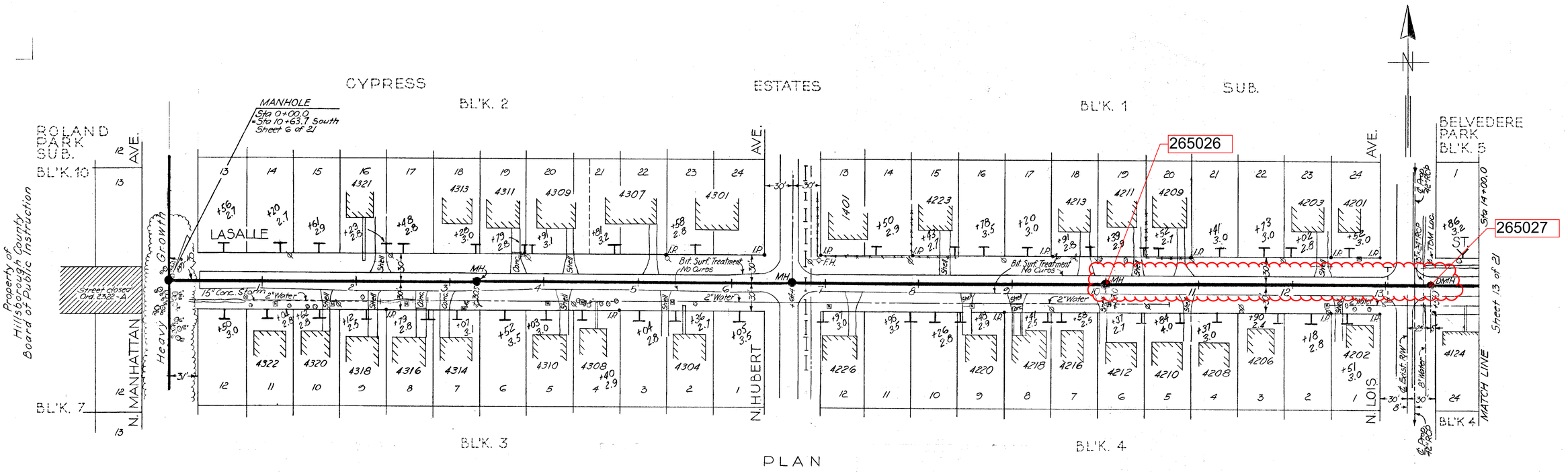
CHIEF ENGINEER DEPARTMENT of SANITARY SEWERS	DES: DRN: R A R CKD: DATE:	APPROVED BY DIRECTOR DEPARTMENT of SANITARY SEWERS	Nº 1 DATE 9-86 REVISIONS REDRAWN FROM ORIGINAL	SCALE 50 0 50 100 1" = 50'	DEPARTMENT of SANITARY SEWERS CITY of TAMPA, FLORIDA

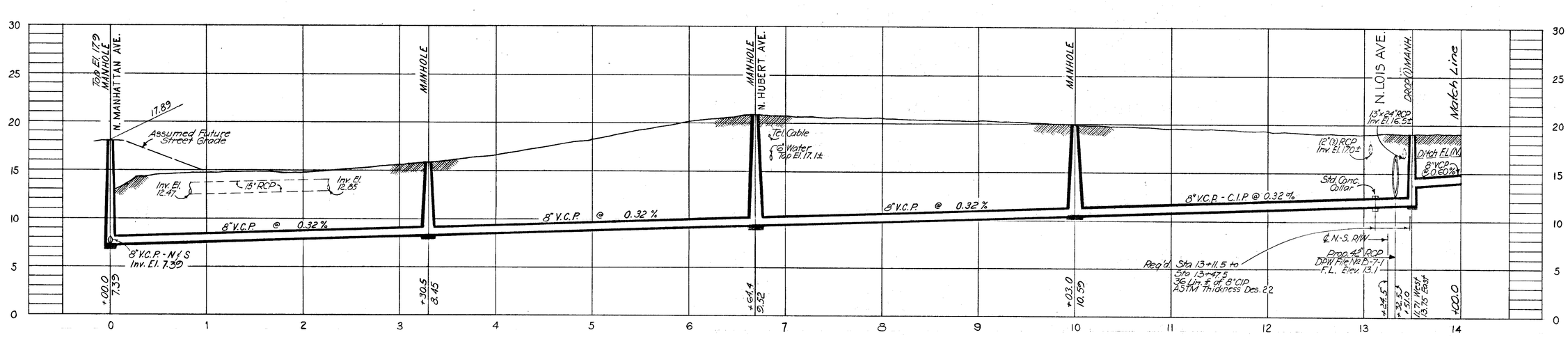
MISC. LINE EXTENTIONS

SHEET OF

K & E 19-1293

III-11





NOTES: 1) Datum:
TBM - RR Spike in Power Pole @ Northeast Corner of Lasalle St. & Lois Ave. - Elev. 20.685

AS BUILT PLAN to show actual conditions in accordance with constr. and field check records.

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
H - 9	28

Design
Proj. R-10 W.O. 1856

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

LA SALLE ST.: N. Manhattan Ave. to Sta. 14+00.0

DES: E C O
DRN: E C O
CKD: C M T
DATE: NOV. 1967

SCALE: 50 . 0 50 100
1" = 50'

Drainage Subdistrict A - 3

SHEET 10 OF 21

113-10

265025

265028

PLAN

PROFILE

NOTES:
1. Datum: TBM ⊡ Headwall Culvert SE Corner Manhattan Ave & Nassau St. Elev. 15.653.
2. Driveway Culverts are 18" Conc. Pipes.
3. Ownership boundaries obtained from records of Tax Assessor shown thus: — — —

AS BUILT PLAN to show actual conditions in accordance with constr. and field check records.

SEWER LINE LOCATION

SEC. MAP No.	LINE No.
H-9	29

Design
Proj. R-10 W.O. 1856

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

ARCH ST.: N. Manhattan Ave. to Sta. 14+00.0

DES: E C O
DRN: E. C. O
CKD: C M T
DATE: NOV. 1967

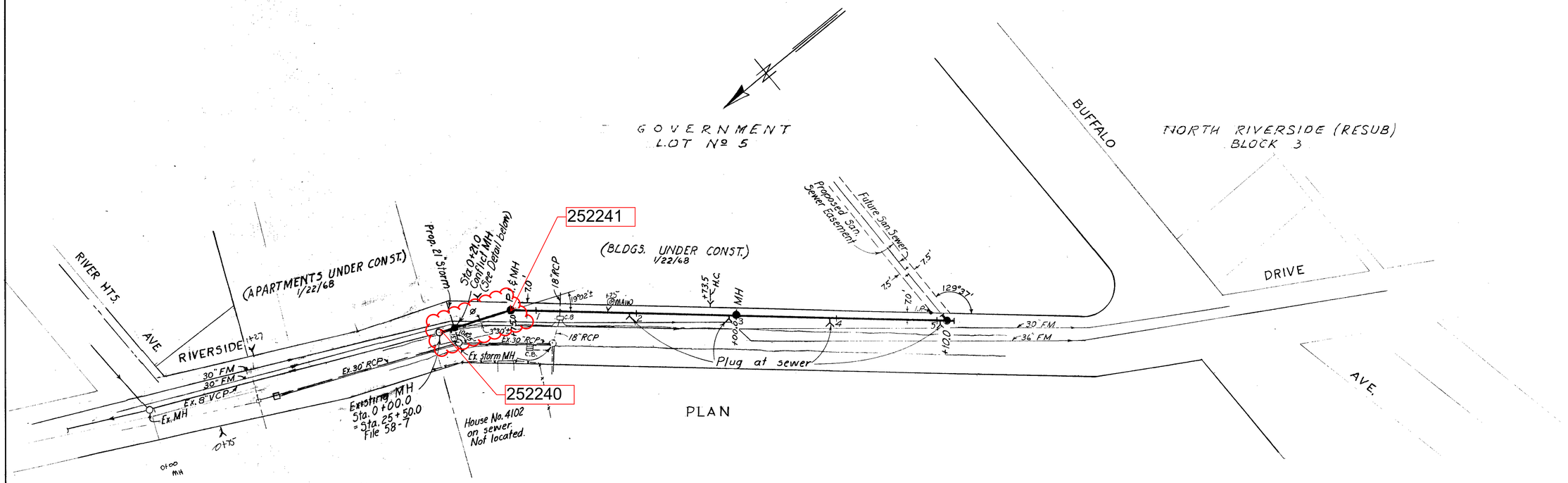
SCALE: 50 0 50 100
1" = 50'

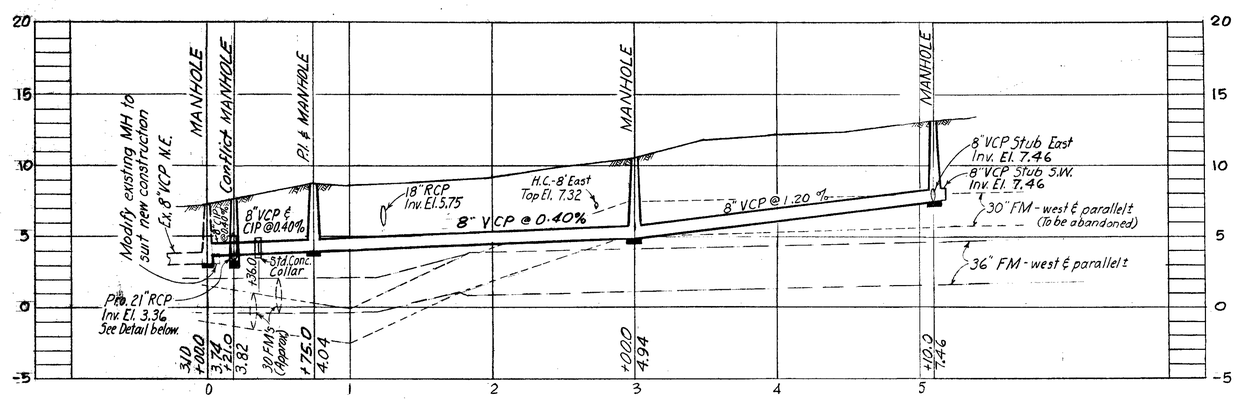
Drainage Subdistrict A - 3

SHEET 11 OF 21

113-11

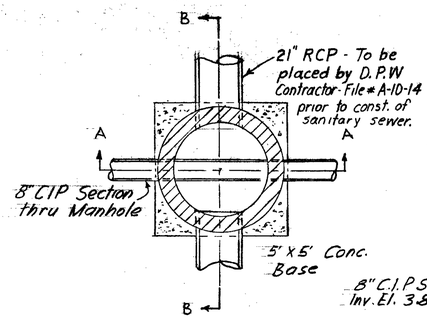
DEPT. OF SANITARY SEWERS
RECEIVED
FEB 16 1968
6th FLOOR, CITY HALL



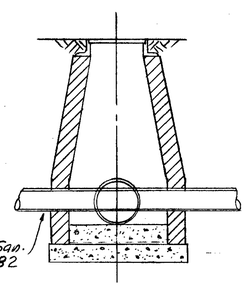


PROFILE

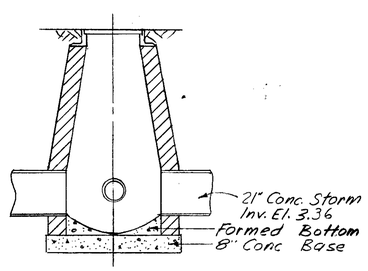
NOTES:
1. T. B. M. - El. 5.686 - Top headwall of storm drain north of Buffalo Ave. on east side of river.
2. Consult D.P.W. File #A-10-14 for information on proposed new storm drainage plan.



CONFLICT MANHOLE
STA. 0+21.0



SECT. A-A



SECT. B-B

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
F-11	41

FOR DEPARTMENT OF SANITARY SEWERS
REC'M'D. [signature] DATE 1-25-68
APPROVED [signature] DATE 2-14-68
Superintendent
FOR J. E. GREINER COMPANY
APPROVED [signature] DATE FEB 15 1968
FOR FREEDMAN AND SINGLETON
APPROVED C. E. Drummond Jr. DATE FEB 1 1968

RESOL. NO. 2859-E W.O. 2014

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWAGE IMPROVEMENTS

RIVERSIDE DR.: MH 270'± S. of River Hts. Ave. S 500'±

DES: CT
DRN: HS
CKD: CT
DATE JAN. 1968

SCALE 50 0 50 100

Drainage Subdistrict A-12

SHEET 1 OF 1

115-21

255278

255277

Exist. 3" Force Main (Private) Located on Private Property (Carolyn Lane Shopping Center)

See A 13-9

Low Area

34' of 42" Steel Casing - Jacked Crossing +73 4.7

Sta. 15+00.0

Proposed 12" Water +85 5.6

Low Area

Exist. 14" HP Gas

Future 16" Water Line Location

Match Line

SEE CROSSING DETAIL THIS SHEET

113TH AVE.

Ex. 8" W.

Ex. 8" VCP Proj. 23

Exist. 6" VCP Hse. Conn.

UNSUBDIVIDED

15TH R/W Line

Sta. 2+00

Exist. 24" VCP Proj. 22

1, 2 Conc. Curbs

Exist. Manhole; Sta. 0+00.0
Begin Constr; Sta. 0+03.0
Exist. Manhole Sta. 55+87.2 (Proj. 22)
File Nº 106-9

Exist. 6" VCP Hse. Conn.

R/W Line

Exist. 4" C.I.P San. Sewer Note 1, this Sheet.

Plug - Inv. El. 24.16

30'-8" VCP @ 0.40%

F.M. has been intercepted at 122nd Ave; See

F.M. Air Release

Note: Sta. 0+00.0 to Sta. 15+10.0 (Pav't.) Asph. Conc. Type I 1" Thickness, 6" Shell Base

RAILROAD R/W Line

SEABOARD COASTLINE

24" Corr. Pipe (50' Length)

Drain Ditch

Spur Track Sta. 7+30.9

℄ R/W Line

Plug - Inv. El. 24.13

Low Area

Existing 3" Force Main (Private) located within Seaboard Coastline Railroad R/W is abandoned See intercept detail this sheet.

SR # 582 FOWLER AVE.

MH (Constr. by others)

2' Conc. Curbs

Conc. Rip-Rap Drain

Pvt. 9" line

30'-8" VCP @ 0.40% Plug - Inv. El. 24.60 end - Inv. El. 24.60

Ditch

Exist. 15" RCP (40' Lengths)

10 Curbs

Bitum. Pav't.

Exist. 10" Gas

Notch Line

PLAN

45
40
35
30
25
20
15

BEGIN CONSTRUCTION - PROJECT R-13
Sta. 0+03.0

N. Rim Top El. 34.24 Exist. Manhole

113TH AVE.

Exist. 24" VCP South @ 0.14%

Exist. 8" VCP West Inv. El. 23.3±

Exist. 4" C.I.P Force Main (See Note 1 and in plan)

Plug F.M. Opening (Elev. 30.±) in MH. upon activating Trunk Sewer; See note 1.

MANHOLE

Exist. 24" CMP Inv. El. 35.6±

Top Track El. 399

SPUR TRACK

Exist. 3" Force Main Approx. Loc.

32.0' 60.0'

Begin C.I.P

OPEN CUT INSTALLATION

8" VCP East & West Inv. El's. 24.04

8" VCP East & West Inv. El's 24.01

MANHOLE (By Others)

Abandoned 4" C.I.P Force Main

8" VCP East Inv. El. 25.69

Exist. 10" Gas Sta. 12+20± Top El. 30.4

MANHOLE

FOWLER AVE.

8" VCP East & West Inv. El. 24.58

Paving Elev. 35.6

Exist. 15" RCP Inv. El. 32.10

Exist. 14" H.P. Gas Sta. 13+78.5±

Fut. 16" Water

Match Line

24" VCP @ 0.10%

24" VCP-CIP @ 0.10%

Std. Conc. Collar

24" C.I.P @ 0.10%

24" VCP @ 0.10%

24" VCP @ 0.10%

24" VCP-CIP @ 0.10%

NOTE: Notify Seaboard Coastline Div. Engrs local office five days prior to any construction within Railroad R/W (100') on 15th St.

SEE CROSSING DETAIL, This Sheet

+10.0 22.54

+38.8 22.71

+92.0 23.10

+75.5 23.69

+41.0 23.76

+24.5

+60.5

+00.0 24.01

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Req'd: Sta. 6+98.9 to Sta. 7+88.9
90 lin. ft. of 24" C.I.P
A.S.T.M. Thickness Des. 25

Req'd: Sta. 13+24.5 to Sta. 13+60.5
36" Lin. ft. of 24" C.I.P
A.S.T.M. Thickness Des. 25

PROFILE

36' of 24" Dia. C.I.P Gravity Sewer @ 0.10% (A.S.T.M Thick Des. 25)

34" of 42" Dia. Steel Casing (1½") @ 0.10%

S. R/W Line Fowler Ave. projected across 15th St.

10" Gas +20.± Top El. 30.4

Tel. Cable

Approx. Loc. & Elev.

MANHOLE

Exist. Grade @ ℄ Sewer

15" RCP +06.0 Inv. El. 32.1±

Begin Casing

+30.5 S. Pav. Edge (Pro.)

FOWLER ℄ Paving Elev. 35.6 AVE.

N. Pav. Edge (Pro.) +54.5

End Casing

14" H.P. Gas +73.5 Top El. 30.1

Fut. 16" Water

Approx. Loc. & Elev.

N. R/W Line Fowler Ave. Projected across 15th St.

24" VCP @ 0.10%

24" VCP-CIP @ 0.10%

Jacking Pit Area (Installation from S. to N.)

1' 4' 24' Asph. Paving 4' 1'

8" VCP East & West Inv. El's 24.81

Std. Conc. Collar

8' Brick Seal @ each end

Std. Conc. Collar

24" VCP-CIP @ 0.10%

Begin 24" CIP +24.5 23.34 (24")

+25.5 Wood Sheeting (Left-in-place)

+26.5

+42.5 23.85 (24")

Wood Sheeting (Left-in-Place)

+58.5

+59.5 23.87 (24")

+60.5 End 24" CIP

+92.5 23.90

+10.5 23.72

+40.5 23.75 (24")

12 +50 13 +50 14

50 40 30 20 10 0

FOWLER AVE. (S.R. Nº 582) JACKED CROSSING DETAIL

Sta. 13+25.5 to Sta. 13+59.5

Scale: 1" = 10; Vert. & Horiz.

30' 30'

Exist. 3" F.M to Remain

W. R/W

Provide Conc. Blocking & Band

Conc. 45° V.C. Elbow & 8"x6" V.C. Reducer

15TH ST. ℄ MANHOLE

E. R/W

Exist. 3" F.M abandoned

Approx. Elev.

3'-9"

Conc. ℄ K.

8" VCP @ 0.40%

8" VCP @ 0.40%

24" VCP @ 0.10%

8" VCP Wye with 6" Set up.

Sta. 7+92.0

8" VCP East & Inv. El. 24.01

24" VCP-CIP & Inv. El. 23.10

Plug

24.13

Exist. Cl. for 4" F.M. to Remain

Exist. 3" F.M abandoned

SCHEMATIC PROFILE OF EXISTING FORCE MAIN INTERCEPTION Sta. 7+92.0

Notes:—

This F.M has been abandoned. That portion within the city limits was built by city forces. The remainder of this force main within 15th St. R/W and beyond the City limits is owned by W.T. Ward, Developer.

2. B.M. Nº A-758-A City Datum, Elev. 35.635 (3rd Bond Proj.) -NE corner of Conc. floor of carport @ residence Nº 10938 15th St. (Approx. 120' So. of ℄ 113th Ave.)

AS BUILT PLAN to show actual conditions in accordance with constr. and field check records.

PROJ. R-13

DESIGN W.O. 2022

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWAGE DISPPOSAL SYSTEM

15TH ST.: 113th Ave. to Sta. 15+00.0

SEWER LINE LOCATION

SEC. MAP No.	LINE No.
B13	29

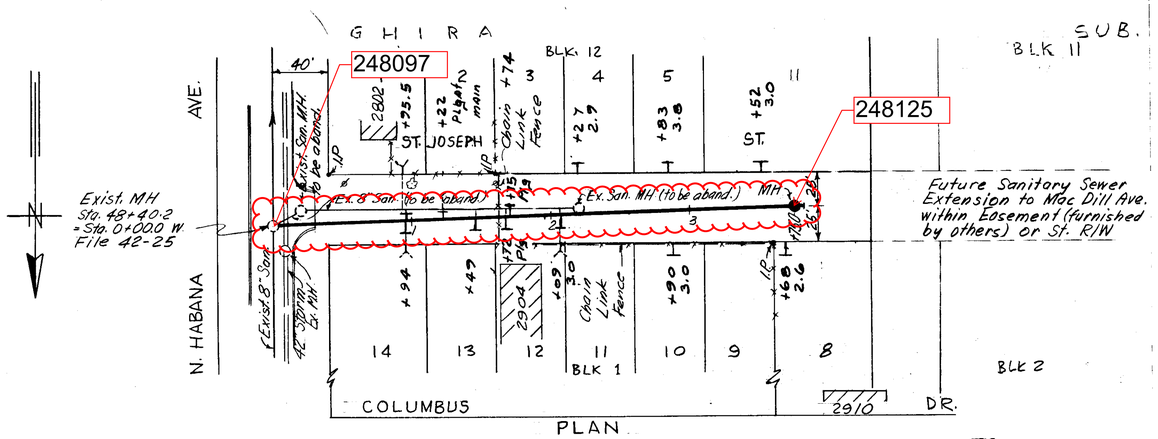
DES: J M R
DRN: J M R
CKD: C M T
DATE: FEB. 1968

SCALE: 50 0 100 50
1" = 50'

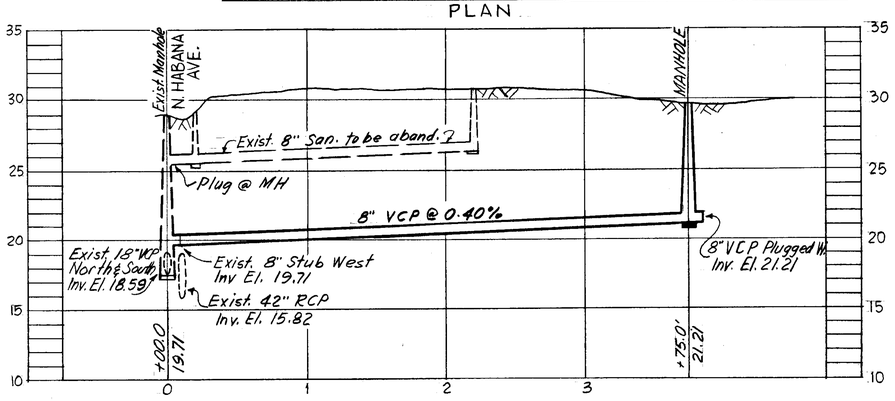
Drainage Subdistrict A-9

SHEET 2 OF 8

116-2

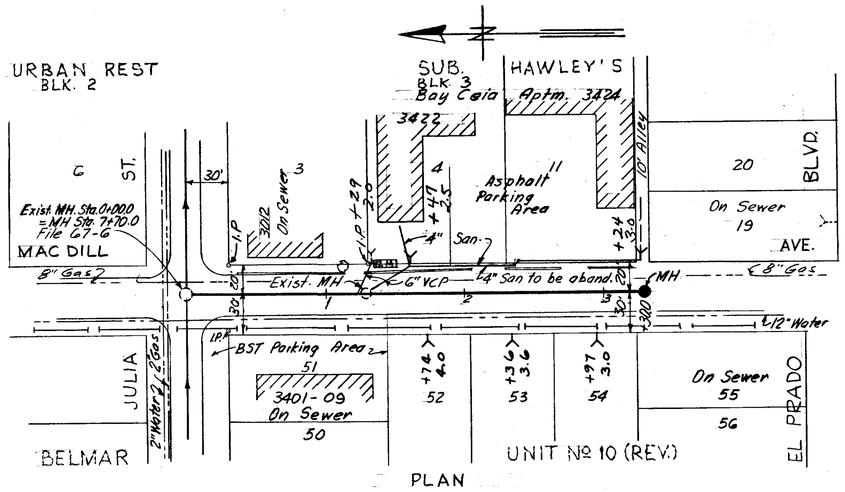


PLAN

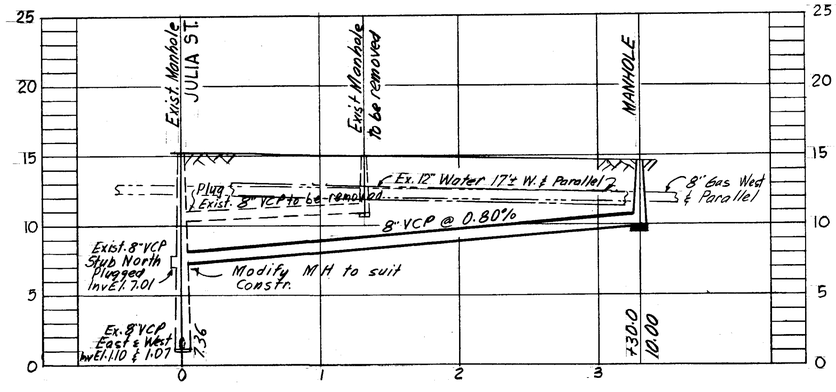


PROFILE
W.O. 1866
H-10-107

Datum: BM A-1510
Cut in N.W. Cor. Conc. walk @ S.W. Cor. Habana Ave. & Spruce St.



PLAN



PROFILE
W.O. 2041
K-10-37

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
H-10	107
K-10	37

R&R 60 W.O. 1866 & 2041

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

ST. JOSEPH ST. : N. Habana Ave. to point West
MAC DILL AVE: Julia St., to N. of El Prado

DES: J M R
DRN: J M R
CK'D: C M T
DATE: JAN: 1968

SCALE 50 0 50 100
1" = 50'

Drainage Subdistrict A-6

SHEET 4 OF 28

117-4

Main Bldg Under Constr. 9-1970

New Chevrolet Dealership

FLORIDA (SR Nº 685)

246047

246040

254576

254577

3094732

Gulf Gas Sta. 11626

Gas Sta. 11702

11604

11605

11607

11609

11613 - 23

11631 O'Donnells Shop Center

11333

11704 - 11712

11778

Shack

Birdsong V.W.

COUNTRY CLUB BLVD.

FOWLER AVE.

119TH AVE.

City Limits

Shell

Shell

8" VCP H.C. 45°

Shell MH

S.R.D. ℄

Exist. 24' Asphalt Pavt.

Exist. 12" Water

B.S.T.

B.S.T. Pavt.

Prop. 30" RCP

Prop. 24" RCP

Prop. 36" RCP

Exist. 18" RCP

Exist. 12" Water

Exist. 16" Water

C.I.P. Hse. Conn.

Conc.

Shell

Rugged at Main

Pl. & MH. Sta. 0+000 North & South FLORIDA AVE. = Sta. 3+00.0 East & West - FOWLER AVE.-COUNTRY CLUB DR.

Pl. & MH. O.H. ℄

Plug

PLAN

MANHOLE

115TH AVE.

MANHOLE

Pl. & MANHOLE FOWLER AVE.-COUNTRY CLUB DR.

MANHOLE

Pl. & MANHOLE 119TH AVE.

Possible Conflict-to be resolved in field

Exist. Tel. MH & Cables Approx. Elev. 29.27±

Exist. 18" Conc. Inv. El. 29.8±

8" VCP East Inv. El. 28.10

Exist. Grade 15' West of S.R.D. ℄

Provide 10 Lin. ft. of Std. Conc. Encasement @ Sta. 0+15±

8" VCP @ 0.40%

8" VCP @ 0.32%

8" VCP @ 0.32%

Exist. 12" Water

8" VCP @ 0.32%

Plug

8" VCP Hse. Conn. S.W. Inv. El. 29.80

8" VCP Stub North) Inv. El. 29.72

Prop. 24" RC Inv. El. 25.8

Prop. 36" RCP Inv. El. 24.8

10" VCP W. Inv. El. 26.97

Prop. 30" RCP

6" CIP Hse. Conn. West @ 1.0% Inv. El. 29.00

NOTE: Exist. 12" Water Top El. 28.9± Shall be lowered To Top El. 27.5± (1.4') by City of Tampa Water Dept.

PROFILE

L. J. MICHELSON RE-SUB.

COUNTRY CLUB PLACE SUB.

1 11702 2 11704 3 4 11708

COUNTRY CLUB DRIVE

COUNTRY CLUB PLACE

DMH Sta. 0+00.0 N. - Sta. 9+51.0 E.

12" Water

6" VCP Hse. Conn.

Conc.

Not Included

11705

11707

PLAN

DROP (1) MANHOLE

MANHOLE

12" Water Top El. 32.54

8" VCP @ 0.40%

10" VCP North & South Inv. El. 23.27

PROFILE

SEWER LINE LOCATION

SEC. MAP No.	LINE No.
B-12-16	

Revised 9/22/70 JR

Revised 1/13/71

W.O. 2206

CITY OF TAMPA, FLORIDA

RENEWAL & REPLACEMENT

SEWER IMPROVEMENTS

FLORIDA AVE:. 115th Ave. to 119th Ave. (SR. Nº 685)

COUNTRY CLUB PLACE: Country Club Drive to North, 250

DES. CT-JR
DRN: J M R
CKD: H M S
DATE: AUG. 1970

SCALE: 50 0 50 100 — 1" = 50'

SHEET 119-32 OF

For Plans from here West to North Blvd. See Sheet No: 119-33

COUNTRY CLUB

Post Office 125

Serv. Sta.

AVE.

DR.

FOWLER

Quality Motel Proposed Site

MARATHON Ser. Sta.

AVE. B.S.T. Pav't

FLORIDA SR No 685

Pancake House Proposed Site

246040

246041

MH Sta. 23+29.9 West = Sta. 0+00.0 East

Begin Constr. Manhole Sta. 0+00.0 East = Sta. 23+29.9 West

Sta. 0+00 = SRD ℄ Sta. 11+82.70 = Sta. 23+29.9 West

Sta. 1+82.70 East = SRD ℄ Sta. 11+82.70 Back

Note: Prop. Traffic Separaters not shown

Constr. 65' of 8" CIP @ 1.50% Inv. El. 30.06 @ S. R/W (Plug)

PLAN

50 45 40 35 30 25 20

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14

Possible conflict to be resolved in field

10" VCP @ 0.22 %

18" RCP Inv. El. 24.9

Prop. 48" RCP South

Exist. Tel. Cables (Approx. Elev.)

Possible Conflict to be resolved in Field

Exist. 18" Conc. Inv. El. 29.8±

10" VCP @ 0.22 %

Prop. 36" RCP Inv. El. 24.2

8" VCP North Inv. E. 28.10

8" VCP South Inv. E. 27.10

Exist. Grade

Prop. Grade

Exist. 18" Conc. Inv. El. 29.8±

8" VCP @ 0.32%

Prop. 24" RCP Inv. El. 25.3

8" CIP South Inv. El. 29.08

NOTE: Exist. 12" Water, Top El. 28.9± shall be lowered to Top El. 27.5± (1.4') by City of Tampa Water Dept. Provide 10 Lin. Ft. of Std. Conc. Encasement Sta. 3+141

8" VCP Stub West (Plug) Inv. El. 29.32

12" Water Top El. 28.6±

8" VCP-CIP @ 1.40%

16" Water South & Parallel±

8" VCP-CIP @ 0.60%

8" VCP N to R/W @ 1.0%; Inv. El. 33.64

8" VCP Stub East (Plug) Inv. El. 33.50

Std. Conc. Collar

16" Water Top El. 36.0

NOTE: 24' of 8" CIP Req'd (Sta. 9+47 to 9+71)

8" VCP Stub E. (Plug) Inv. El. 34.06

6" Water North & Parallel

8" VCP-CIP @ 0.90%

9+71 Conc. Collar

NOTE: 182' of 8" CIP Req'd (Sta. 6+38 to 8+20)

PROFILE

AS BUILT PLAN to show actual conditions in accordance with constr. and field check records. 4/14/73 CS

W.O. 2206

SEWER LINE LOCATION

SEC. MAP No.	LINE No.
B-12-17	

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

COUNTRY CLUB DR.: 300' W. of Florida Ave. to Florida Ave.

FOWLER AVE.: Florida Ave. to W. of I-75

Revised 1/13/71
Revised: 9/14/70 JMR

DES. CT-JR
DRN: JMR
CKD: HMS
DATE: AUG. 1970

SCALE: 50 0 50 100 1" = 50'

SHEET 120-23

AVE.

PALM

Service Station

AVE.

RELOCATE FIRE HYDRANT

EXIST. F.H.

25 Pr. Flex. Tel. Cable

254972

Exist 24" R.C.P.

Survey ℄

CONST. 12" PLUG @ 400 San. M.H.

CONST. 10"x8" TAPPING SLEEVE & 8" TAPPING VALVE & BOX

All Radii to edge of pavement

Service Station

MITCHELL

NEBRASKA (S.R. 45)

APPLY LEVELING COURSE AND SURFACE COURSE AS REQUIRED TO MATCH EXIST. PAVEMENT.

AVE.

Sta. 13+64

15+00

Scale 1"=20'

T29S-R18E

50' R.

CONST. 10"x8" TAPPING SLEEVE & 8" TAPPING VALVE & BOX

BEGIN CONST. - PART "A"

STA. 13+41½

(9th Ave.)

CONST. 8"x6" TEE, 6" 90° BEND, 6" M.J. VALVE & BOX, & 4½" DN.S. FIRE HYDRANT - SEE NOTE 10, SHEET 3

CONST. STD. 5' CONC. S/W

PROPOSED R/W

CONST. 8" WATER

CONST. STD. CONC. CURB & GUTTER

Striping by Others

255059

Survey ℄

℄ Const.

8" WATER TO BE REMOVED

P.C.

STD. CONC. COLLAR

FIRE HYDRANT TO BE REMOVED

Exist V.C. Brick Pav't.

1-45 San. M.H.

CONST. STD. CONC. CURB & GUTTER

Exist. Granite Curb

CONST. 8" WATER MAIN

CONST. STD. CONC. S/W

CONST. 2-4" P.V.C.

Exist. Ornamental Iron Fence

EASEMENT FOR TRAFFIC SIGNAL POLE

PROP. R/W LINE

2-4" P.V.C. Capped

Const. 6'x8'x5½" Reinforced Conc. M.H. For Traffic Controls see T.P. Dwgs. 700.157 & 700.158

PROVIDE CLEANOUTS BEHIND EXIST. IRON WALL.

NOTE: Dimension on manhole and hand holes should be minimum inside dimensions

ORNAMENTAL IRON FENCE & WALL WILL BE REMOVED AND RECONSTRUCTED BY OTHERS AS NECESSARY

Centro Asturiano Club

1913

MATCH LINE

Const. 2-4" P.V.C., Capped

Top Storm M.H. 15.24

Exist Pavt. Survey ℄

6" Water

16" Water

8" V.C.P. San.

8" Gas

10" Water

24" R.C.P.

12" V.C.P. San.

Exist. San. M.H.

4 Way Tel. Duct

10" Water

4" Gas

Exist. 8" V.C.P. San. Inv. 3701 (N)

8" R.C.P. @ 0.34%

Profile Grade -0.94%

Connect 2-6" H.C. to 8" V.C.P. San.

+80'

Const. Std. Conc. Collar

Exist. San. M.H.

0+00 San. 3701 (SE)

1+45 San. 3750

40.09

15+00

PVI + 38.00

41.61

41.03

11+00

12+00

13+00

14+00

No.	Date	REVISION	By
6	9-26-72	Misc. Revs.	J.D.
5	9-21-72	Prop. San. Sewer added	J.D.
4	8-23-72	Revised median	R.J.J.
3	8-18-72	P.V.C. Data Added	D.W.B.
2	8-1-72	Relocation of Water main	J.C.
1	7-20-72	Realign & of Construction	V.J.

PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA

NEIGHBORHOOD DEVELOPMENT PROGRAM
FLA. A2-AREA I

PALM AVENUE
Nebraska Ave. to 13th St.

Scale 1"=2' Ver., 20' Hor.	Book No. 1972-1, 1A
Designed C.U., T.G.	Date 4-72
Drawn R.J.J. Jr., G.L.H., J.D.	Date 4-8-72
Reviewed D.J.S.	Date 5-72
Approved	Date

NO. 5 OF 39 SHEETS | FILE NO. C-26-1A

132-9

15+00

ST.

MATCH LINE

9th

(9th AVE.)

CONST. INLET TYPE B-S-1

TO BE REMOVED BY WATER DEPT.

CONST. 38' OF 15" R.C.P.

182°-40'-04"

CONNECT PIPE TO EXIST. M.H.

Striping by others

Type "C" Curb

2.0' R

CONST. 171.6' OF 24" R.C.P.

Survey ℄

Exist. 10" Water

10" WATER TO BE REMOVED BY CITY

1" COPPER PIPE BY OTHERS

255060

2+43 San. MH.

REMOVE EXIST. INLET & USE EXIST. 6" Water

Exist. Ornamental Iron Fence

CONST. 8" VALVE & BOX

CONST. TYPE B-S-1 INLET OVER EXIST. 15" R.C.P.

REPLACE 165' OF EXIST. 4" T.C.P. WITH 6" V.C.P. @ 0.60%

CONST. 8"x6" TEE, 6" 90° BEND, 6" VALVE & BOX & 4½" D.N.S. FIRE HYDRANT - See Note 10, Sheet 3

Exist. 4" T.C.P. San.

Cleanout Inv. 38.30

Top El. = 40.40

6" V.C.P.

CONST. 8" WATER MAIN

CONNECT TO EXIST. 6" WATER MAIN

REMOVE EXIST. 24" R.C.P. BETWEEN M.H. & R/W LINE & SEAL OPEN END AT R/W LINE

10" WATER TO BE REMOVED BY CITY

℄ Curve Data
P.I. Sta. = 15+69.18
Δ = 2°-40'-04"
D = 2°-00'-00"
R = 2872.79'
T = 66.71'
L = 133.39'
P.C. Sta. = 15+02.47
P.T. Sta. Ahd. = 16+35.89
P.T. Sta. Bk. = 16+35.86

FLORENCE ST.

15" R.C.P.

125.00 R

CONNECT TO EXIST. 6" MAIN

Exist. 25 Pr. Tel. Cable

Exist. 4" Hse. Conn. TO BE RELOCATED TO THE NORTH

10 th AVE.

1"x2" Hub

Existing V.T. Brick Par't.

PALM AVE.

CONST. 6" VALVE & BOX & 8"x6" TEE BY OTHERS

PROPOSED R/W LINE

CONST. STD. 5' CONC. S/W

CONST. 8" WATER

6" WATER TO BE REMOVED BY CITY

CONST. STD. CURB & GUTTER

CONST. 338' OF 36" R.C.P.

℄ Const.

CONST. TYPE "C" CURB

CONST. STD. BX-1A M.H. OVER EXIST. 36" R.C.P.

CONST. STD. CONC. CURB & GUTTER

CONST. 8" WATER MAIN

REMOVE EXIST. 36" R.C.P. BETWEEN M.H. & R/W LINE AND SEAL OPEN END AT R/W LINE

CONST. 2-4" P.V.C. CONDUIT

℄ Curve Data
P.I. Sta. = 20+76.84
Δ = 3°21'58"
D = 2°00'00"
R = 2864.79'
T = 84.18'
L = 168.31'
P.C. Sta. = 19+92.68
P.T. Sta. Ahd. = 21+61.43
P.T. Sta. Bk. = 21+60.99

21+00

MATCH LINE

Scale 1" = 20'

T.29S.-R.19E.

Profile Grade -0.56%

-0.94%

Exist. Grade at Survey ℄

8" C.I.P. @ 0.09%

6" V.C.P.

10" Water

8" GOS

Inv. 37.58

4" GOS

6" Water

Exist. 36" R.C.P.

15" R.C.P.

24" R.C.P.

24" R.C.P. @ 0.44%

36" R.C.P. @ 1.18%

36.54

40.09

P.V.I. +50 39.62

+86.50 ℄ 31.98

39.34

38.79

+62 ℄ 30.70

38.22

37.66

37.10

15+00 16+00 17+00 18+00 19+00 20+00 21+00

No.	Date	REVISION	By
5	9-21-72	Added San. S. Info. & Misc.	J.D.
4	8-23-72	Revised median	A.I.J.
3	8-16-72	P.V.C. Conduit added	A.I.J.
2	8-1-72	Relocation of Water main	J.C.
1	7-20-72	Realign ℄ of Construction	V.J.

PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA

NEIGHBORHOOD DEVELOPMENT PROGRAM
FLA. A2-AREA I

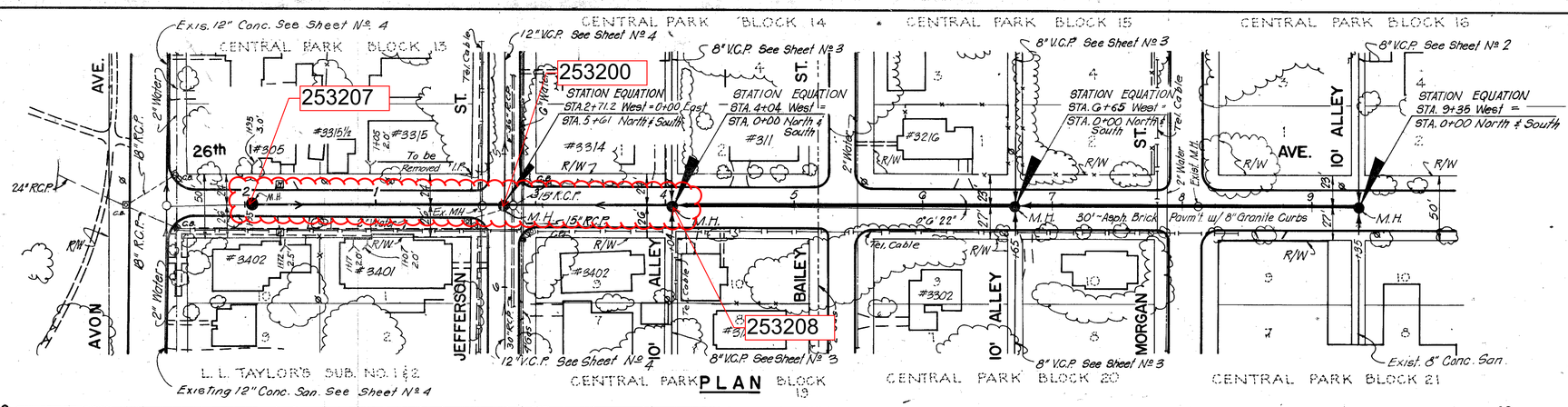
PALM AVENUE
Nebraska Ave. to 13th St.

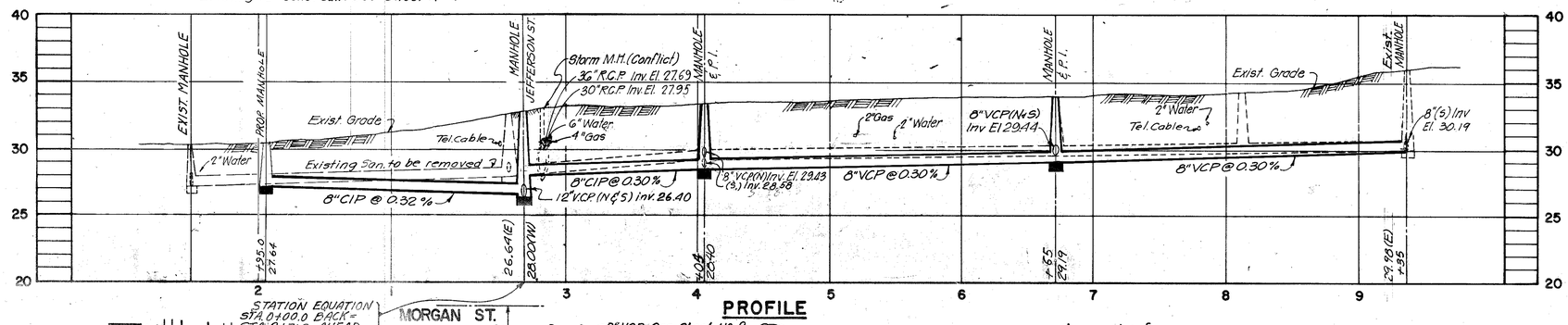
Scale	1"= 20' H., 2' V.	Book No.	1972-1A, 1
Designed	C.U., T.G.	Date	4-72
Drawn	G.L.H. & J.T.C., J.A.W.	Date	4-7-72
Reviewed	D.J.T.	Date	5-72
Approved		Date	

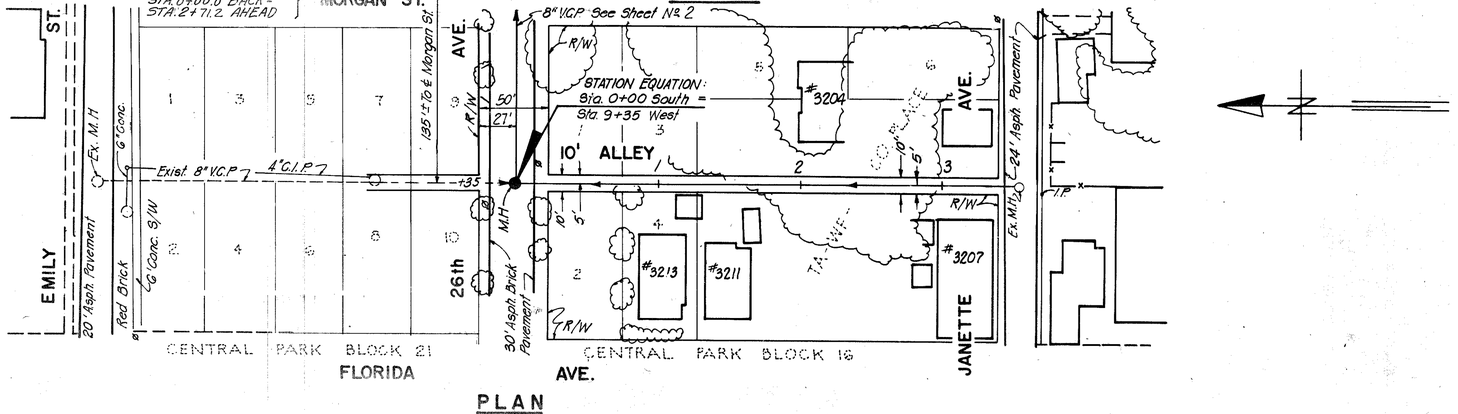
NO. 6 OF 39 SHEETS | FILE NO. C-26-1A

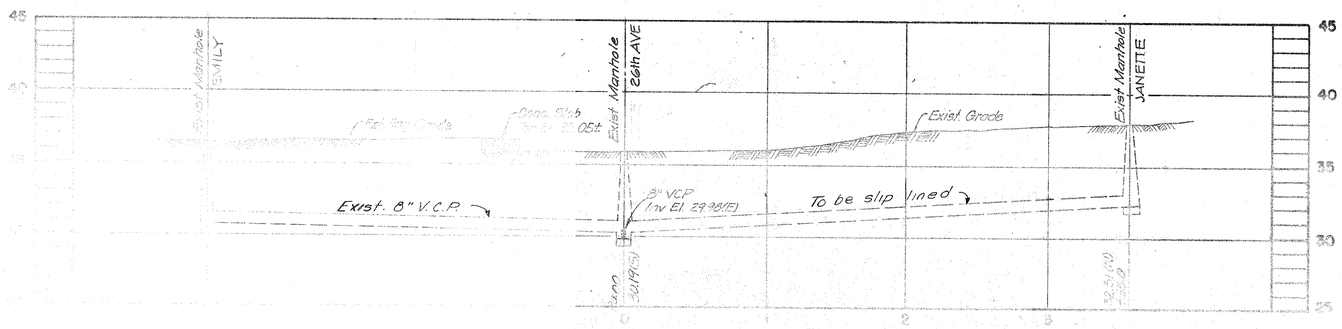
132-10

T.B.M. #7 @ Cut, N.E. Corner Entrance Walk W. Side Florida Ave. & ℄ 26th Ave. El. 37.85









T.B.M. #7 @ Cut, N.E. Corner Entrance Walk W. Side Florida Ave. & ℄ 26th Ave. El. 37.85

AS BUILT

NOTES:

1. Alternate #1 and #2 for sheets 2 and 4 refer to the proposed design for sanitary sewer lines at the intersection of 26th Ave. and Jefferson St. Alternate #1 or #2 will be determined during excavation.
2. Locate And Replace Existing House Connections During Construction
3. Replace And/Or Remove Existing Sanitary Sewer Manholes During Construction Of Proposed Line
4. At All Intersections Of Potable Water Lines And Gravity Sewers Where A Minimum 18" Vertical Clearance Cannot Be Maintained, Gravity Sewer Lines Shall Be Encased In 2500 p.s.i. Concrete For A Distance Of 10' On Both Sides Of The Water Line.

ELTON G. SMITH CERTIFICATE № 19672 STATE OF FLORIDA REGISTERED ENGINEER

ELTON G. SMITH, P.E.
CHIEF ENGINEER
DEPARTMENT of SANITARY SEWERS

10-76 Redesigned by MJA

SCALE 1"=40' HORIZ 1"=5' VERT.

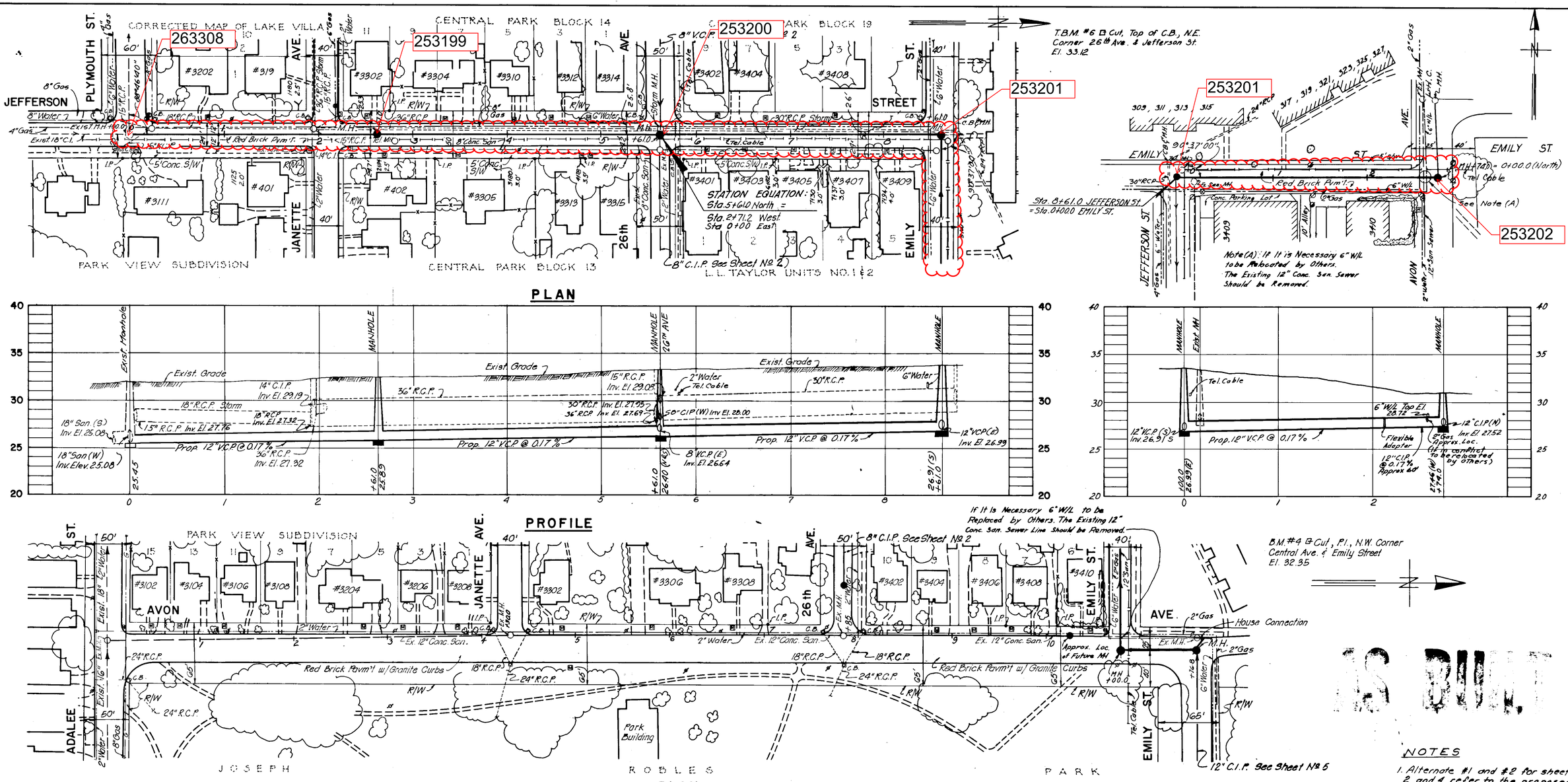
DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA

SEWER DISPOSAL SYSTEM

26th ST. : Avon Ave. to Alley W. of Morgan St.
Alley E. of FLORIDA AVE.: 26th Ave. to Janette Ave.
ALTERNATE #1

SHEET 2 OF

138-27



PLAN

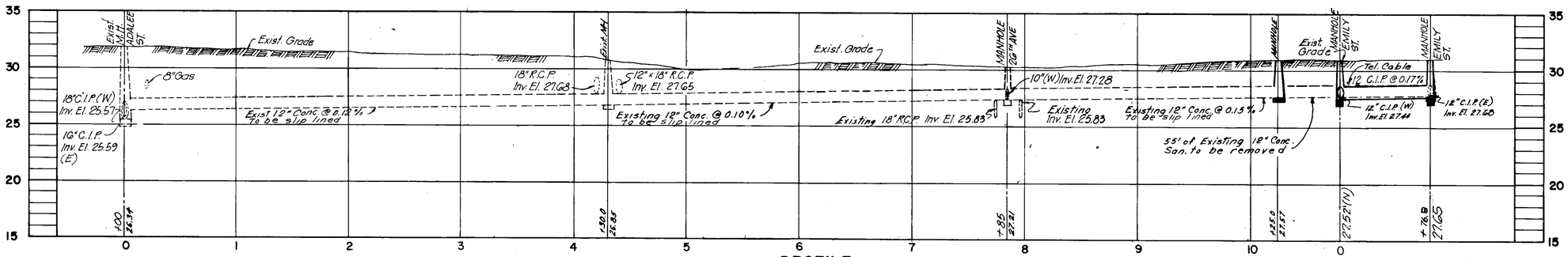
If It Is Necessary 6" W/L to be Replaced by Others. The Existing 12" Conc. San. Sewer Line Should be Removed.

PROFILE

B.M. #4 ⊡ Cut, P.I., N.W. Corner Central Ave. & Emily Street El. 32.35

AS BUILT

PLAN



PROFILE

ALTERNATE #1

NOTES

1. Alternate #1 and #2 for sheets 2 and 4 refer to the proposed design for sanitary sewer lines at the intersection of 26th Ave and Jefferson St. Alternate #1 or #2 will be determined during excavation.
2. Locate And Replace Existing House Connections During Construction.
3. Replace And/Or Remove Existing Sanitary Sewer Manholes During Construction Of Proposed Line.
4. At All Intersections Of Potable Water Lines And Gravity Sewers Where A Minimum 18" Vertical Clearance Cannot Be Maintained, Gravity Sewer Lines Shall Be Encased In 2500 psi. Concrete For A Distance Of 10' On Both Sides Of The Water Line.

ELTON G. SMITH CERTIFICATE #13872 STATE OF FLORIDA REGISTERED ENGINEER

Elton G. Smith
ELTON G. SMITH, P.E.
CHIEF ENGINEER
DEPARTMENT of SANITARY SEWERS

DES: J.A.R.
DRN: C.J.F.
CKD: H.J.B.
DATE Jan. 1976

APPROVED BY
J.W. SILLIMAN, P.E., DIRECTOR
DEPARTMENT of SANITARY SEWERS

No	DATE	REVISIONS
1	10-76	Redesigned by MJA
2		
3		
4		
5		

SCALE
50 0 50 100 1"=50' HORIZ.
5 0 5 10 1"=5' VERT.

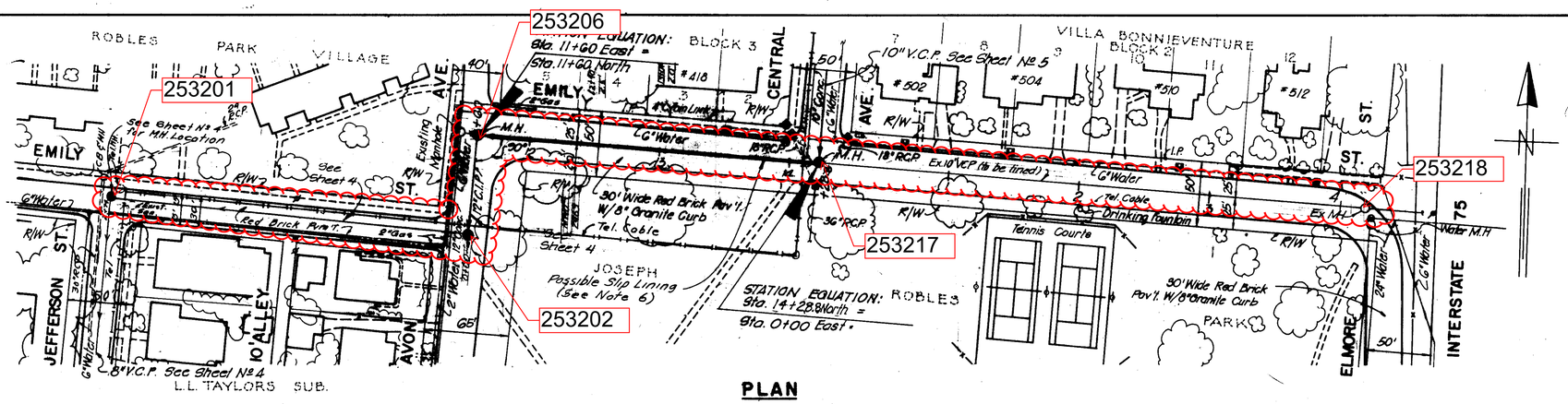
DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
SEWAGE DISPOSAL SYSTEM

JEFFERSON ST. : 26th Ave. to Janette Ave.
JEFFERSON ST. : 26th Ave. to Emily St.
AVON AVE. : Adalee St. to Emily St.

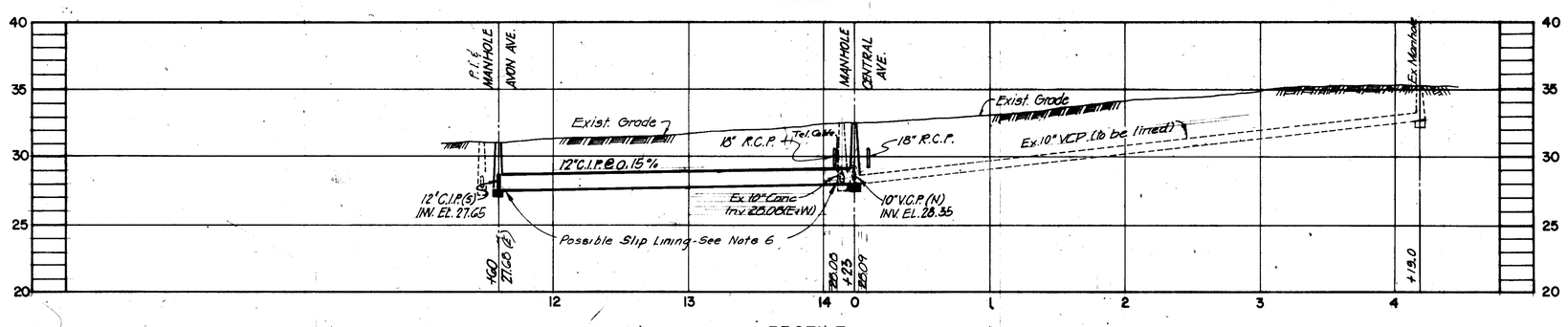
SHEET 4 OF

138-29

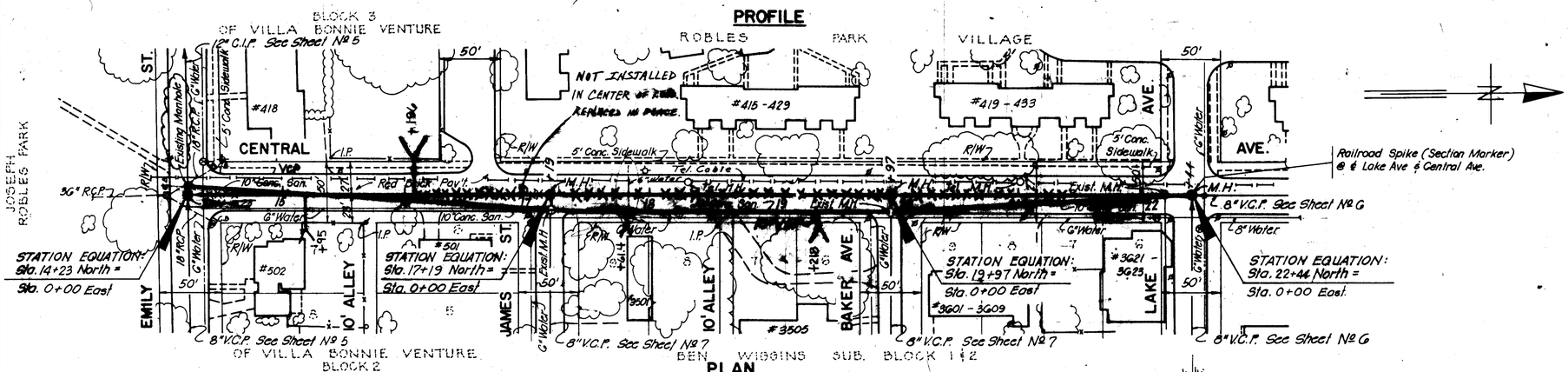
253206
253201
253218
253217
253202



PLAN

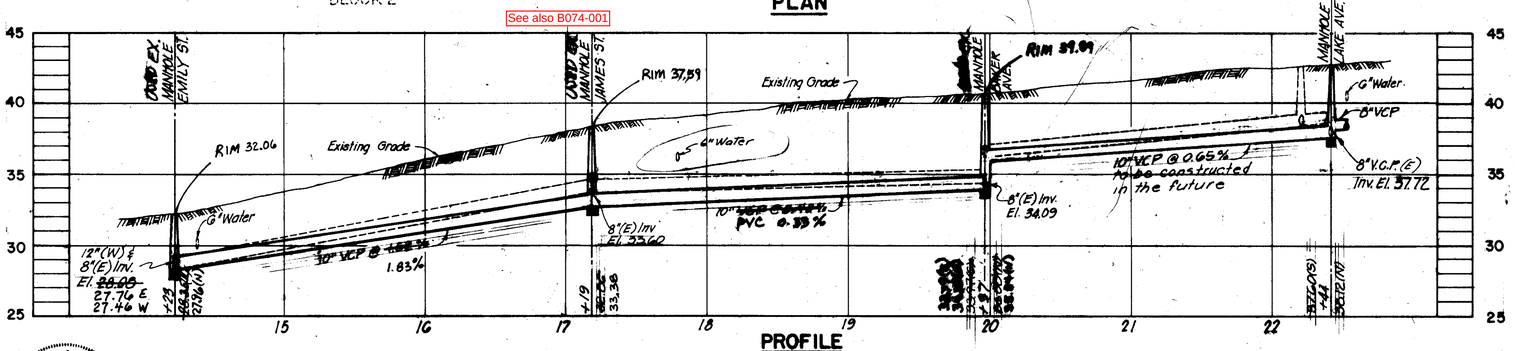


PROFILE



PLAN

See also B074-001



PROFILE

T.B.M. #4 ⊙ Cut P.I. Sidewalk N.W. Corner Central Ave. & Emily St. El. 32.35

AS BUILT

NOTES:

1. Locate And Replace Existing House Connections During Construction.
2. Replace And/Or Remove Existing Sanitary Manholes During Construction Of Proposed Line.
3. At All Intersections Of Potable Water Lines And Gravity Sewers Where A Minimum 18" Vertical Clearance Cannot Be Maintained, Gravity Sewer Lines Shall Be Encased In 2500 P.S.I. Concrete For A Distance Of 10 Feet On Both Sides Of The Water Line.
4. Adjust Inverts of new MH's at Central & Baker and Central & James to accommodate existing 8" Concrete Sanitary Sewer Line.
5. 10" San. Sewer Line from Sta. 19+97.0 to Sta. 22+44.0 to be constructed in the future.
6. Emily St. from Sta. 11+60 East to 14+14 to be considered for slip lining. This to be determined in the field and appropiate modifications (including adjustment of line in Central Ave.) to be approved by the design division prior to construction.

ELTON G. SMITH CERTIFICATE #19872 STATE OF FLORIDA REGISTERED ENGINEER

ELTON G. SMITH, P.E.
CHIEF ENGINEER
DEPARTMENT of SANITARY SEWERS

DES: J.A.R.
DRN: H.J.B.
CKD: C.J.F.
DATE Jan. 1976

APPROVED BY
J.W. SILLIMAN, P.E., DIRECTOR
DEPARTMENT of SANITARY SEWERS

NO	DATE	REVISIONS
1	10-76	Redesign N.A.A.
2	8/27/76	[illegible]
3		
4		
5		

SCALE
50 0 50 100 1"=50' HORIZ.
5 0 5 10 1"=5' VERT.

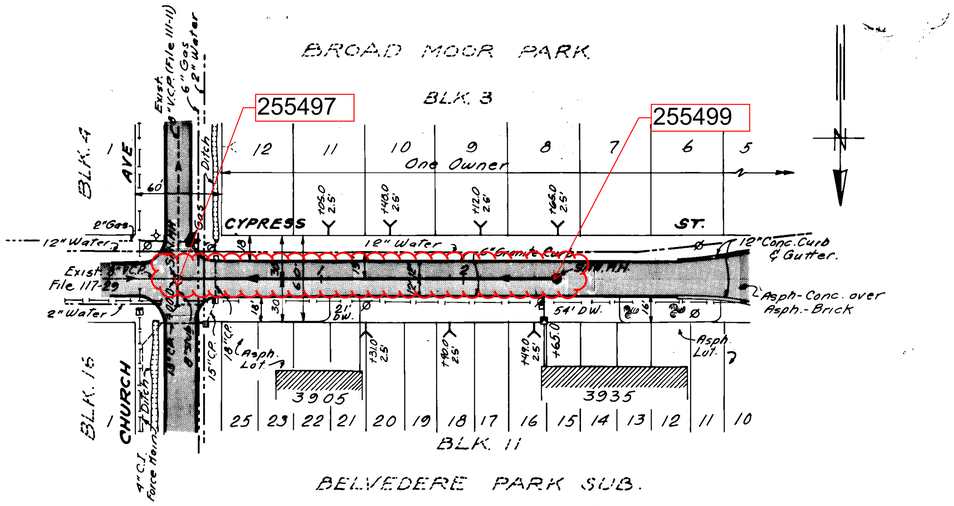
DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA

SEWAGE DISPOSAL SYSTEM

EMILY ST.: Avon Ave. to Elmore St.
CENTRAL AVE.: Emily St. to Lake Ave.

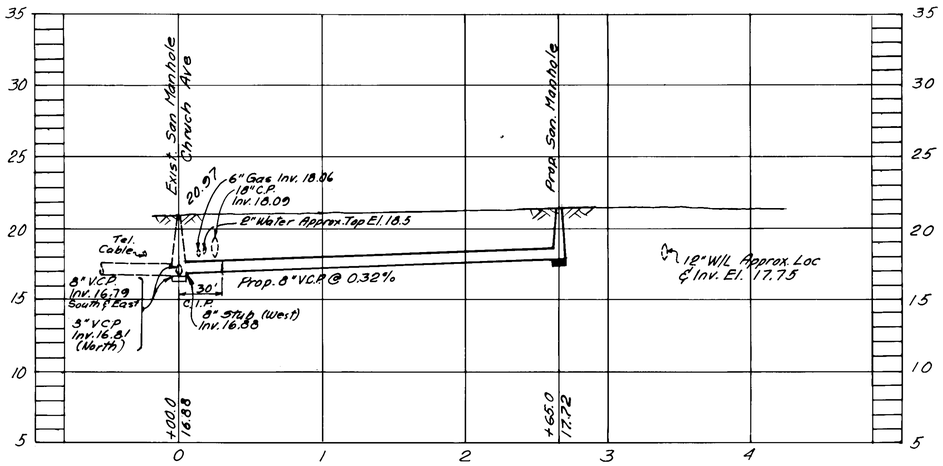
SHEET 5 OF

138-30



NOTE: House connections are representative only the exact location should be ascertained at time of construction.

PLAN



PROFILE

W.O. 7757

SEWER LINE

H-9 54
I-9 77

	DES: J.M.R. DRN: E.R. CKD: A.C. DATE: 11-76	APPROVED BY J.W. SILLIMAN, P.E., DIRECTOR DEPARTMENT of SANITARY SEWERS	No. / DATE / REVISIONS 1 2 3 4 5	SCALE 50 0 50 100 1" = 50'	DEPARTMENT of SANITARY SEWERS CITY of TAMPA, FLORIDA	CYPRESS ST.: From Church Ave. 265' to West.	SHEET OF

139-22

BRUNING 44-132 29917

Scale: 1" = 20'

Sec. 17-T29S-R18E

T.B.M. #1
"T" Cut On ℄ Face Conc. Inlet S.W. Cor. Occident St. & Cypress St.
Elev. 8.92

T.B.M. #2
20d Nail E. Side Power Pole, N.W. Cor. Occident St. & Grace St.
Elev. 10.73

ST. OCCIDENT ST. GRACE ST.

CYPRESS ST.

72' R/W

70' R/W

60' R/W

S.W. Cor. S.E. ¼ Sec. 17 Sta. 82+97.87 Cypress St. (From Cypress St. Notes)

P.I. STA. 0+00 OCCIDENT ST. ℄ = STA. 82+95.87 CYPRESS ST. ℄

265049

265050

STA. 1+52 BEGIN PAVEMENT TRANSITION

STA. 2+52 END PAVEMENT TRANSITION

STA. 4+60 ± END CONSTRUCTION MEET EXIST. PAVEMENT

UNPLUG EXIST. 8' STUB OF 18" R.C.P. AND CONST. STD. GRATE INLET TYPE "E", STA. 3+17(℄), 20.3'(±) LT., GRATE EL. 8.75

CONST. STD. GRATE INLET TYPE "E" OVER EXIST. 18" R.C.P. STA. 3+62(℄), 21'(±) LT., GRATE EL. 8.60

Exist. 6" San.

Ex. Stub

Exist. 18" San.

Exist. 8" San.

Ex. MH

MANHOLE STA. 0+00 Exist. 8" R.C.P.

Exist. 12" San. Force Main

Exist. Inlet

Granite Curb

Conc. Ret. Wall

Exist. 15" R.C.P.

Exist. 43"x68" R.C.P.

Exist. 59"x83" R.C.P.

Exist. 18" R.C.P. Stub

Storm M.H.

Exist. 48"x76" R.C.P.

Ex. 24" RCP

Exist. 36" C.M.P.

Exist. Ditch

Survey ℄

Dirt

6' Ht. Fence

Exist. Storm M.H.

PROFILE GRADE LINE

Prop. 8" VCP Sanitary Sewer

TO BE REMOVED

CONST. STD. CONC. COLLAR

CONST. 35' OF 18" R.C.P.

CONST. 28' OF 6" DIP

Hub & Tack

Sand Bag Plaster

Underdrain

Exist. Asph. Pvt.

Conc. Wall

Asph. Drive & Parking Lot

Asph. Parking Lot

Asph. Pvt.

8 Oaks

36" Oak

R/W LINE

Edge Exist. Asphalt Parking Lot

MANHOLE 3+75

CONST. STD. GRATE INLET TYPE "H", STA. 3+12, 27.0' RT., GRATE EL. 8.15

1'x4' CONC. FLUMES TO BE REMOVED

CONST. STD. GRATE INLET TYPE "H", STA. 3+75, 27.0' RT., GRATE EL. 7.60

PROPOSED D.W. 4+22 (SEE NOTE)

Construct Drop Manhole and tie into existing 8" VCP Stub.

NOTE: Traffic flow on Cypress must be maintained at all times. Paving to be replaced by others.

20' of DIP with flexible adaptors.

Construct HC with 6" Ductile Iron Pipe to property line @ 1.0 %

NOTE

CONST. NEW DRIVEWAY WITH TYPE "C" STABILIZATION, 75 DSI F.B.V. (12" THICK), LIMEROCK BASE COURSE (8" THICK), AND TYPE S-1 ASPHALTIC CONC. (1" THICK)

PROFILE GRADE @ -0.47 %

Survey Line Profile

PROFILE GRADE @ 2.80 %

100' V.C.

Ex. Manhole

P.I. & DROP MANHOLE

℄ M.H.

MANHOLE

15" RCP

43"x68" R.C.P.

59"x83" R.C.P.

15 R.C.P. 5' West

18" RCP Inv. El. 4.34

18" RCP Inv. El. 3.82

48"x76" R.C.P.

Prop. 6" DIP Approx. Loc. (W) Exact location to be determined in the field to avoid 24" RCP.

20' of DIP and Flexible Adaptor

Ex. 6" VCP HC

Ex. 8" VCP HC

Ex. 12" CIP FM

Ex. 15" VCP

Ex. 18" RCP

Ex. 12" CIP FM Inv. El. 1.52

Connect to existing 8" VCP Stub.

BEGIN CONSTRUCTION

END CONSTRUCTION

P.V.C.

P.V.I.

P.V.T.

-0.8.0 -1.75 (W) -1.12 (C) 0.83 (W)

9.03 9.86 10.43 10.02 10.19 10.01 9.54 9.06 8.78

+60 +62 +62 +12 +62 +62.5 +65

1875 2.38

0+00 1+00 2+00 3+00 4+00 5+00

AS BUILT

7-24-78 YHK

OCCIDENT ST.

PUBLIC WORKS DEPARTMENT

CYPRESS ST.

Ward St. to Hubert Ave.

Designed J.T.C. Date 9/77 | Drawn B.K., C.E. Date 9/27, 9-77 | Checked R.L.S. Date 9-77

Surveyed J.J.M. Date 9/77 | Approved D.T. Date 9-77 | Scale 1"=20' H.; 2' V.

1974-18

1 5/23/78 Proposed Sanitary Sewer Added YHK

PROJECT NO. E-20-6 C.I.P. 9080 SHEET 17 of 47

143-26

69/9

PWD FORM 1

BETTS SUB. OF GOV'T. LOT 5

CITY OF TAMPA HENRY & OLA PLAYGROUND

HENRY AVENUE

OLA AVE. LYNN AVE. DEXTER AVE. OTIS AVE.

251676 251675 251674

BLK 18 BLK 17 BLK 16 BLK 15

IDLEWILD ON THE HILLSBOROUGH

PLAN

NOTE A

Replacement line in Henry Ave. is to be temporarily tied into the existing 20" C.P. at existing manhole in Ola Ave. and Henry Ave. The replacement line should be installed at the invert elevation of the 20" line. When the replacement trunk is built, the old trunk, old manhole, and temporary connection will be taken out of service. This line will have to have a deflection from the proposed traverse to the existing manhole.

Bench Mark Elev. 21.13
B on curb at N.W. corner of Ola Avenue and Henry Avenue.

NOTES

1. Replace in place existing house connections while maintaining continuous sewage flow.
2. All utility locations are approximate. Notify proper authorities prior to beginning construction.
3. Paving to be replaced full width with asphaltic concrete, Type I. Lateral lines to be replaced to edge of pavt.
4. 8" VCP flow south from Manhole at Sta 10+38.0 to remain in service for cleaning purposes and for relief of possible surcharging.

Class C Bedding — Class D Bedding

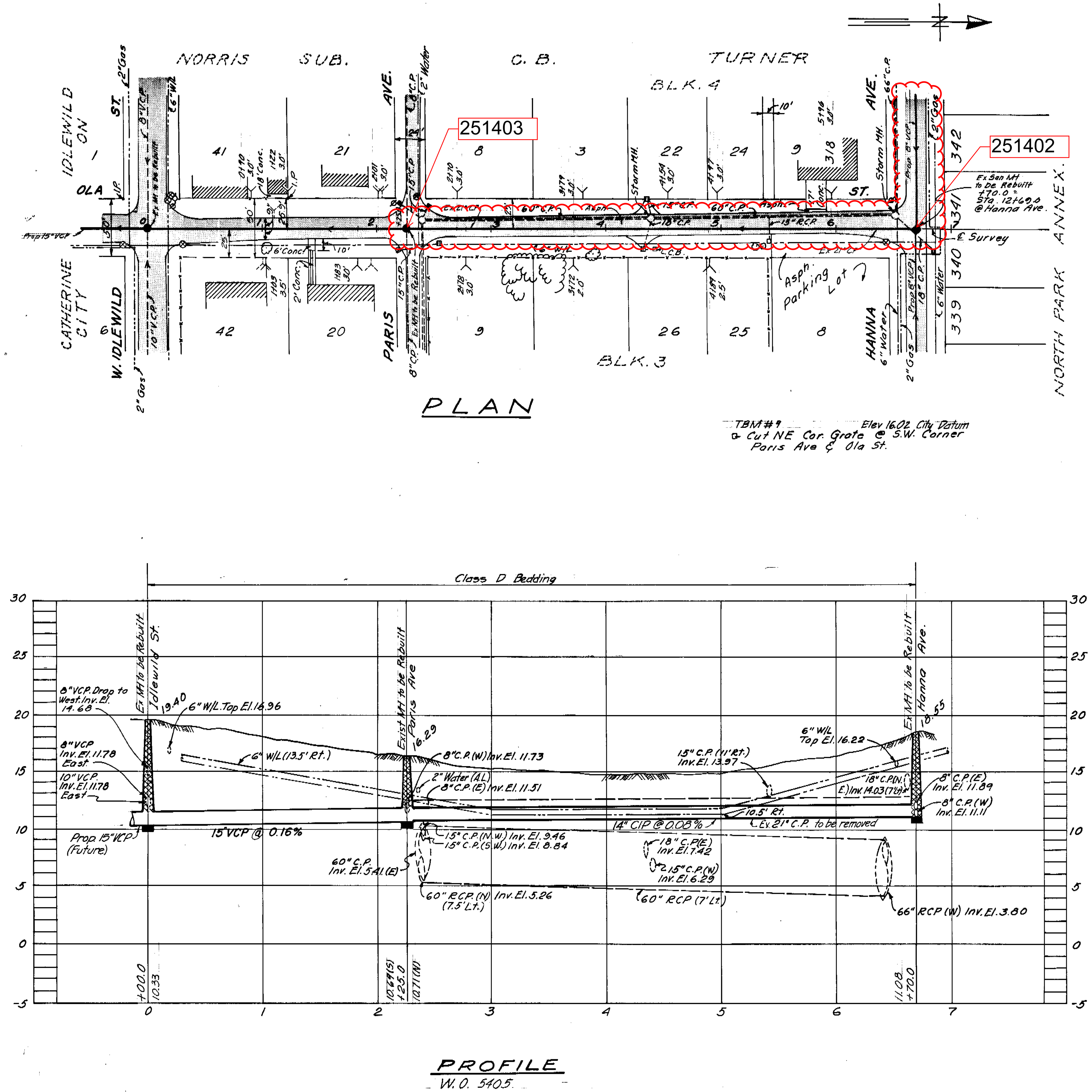
PROFILE

W.O.

	ELTON G. SMITH, P.E. # 19872 CHIEF ENGINEER DEPARTMENT of SANITARY SEWERS	DES: MJA DRN: JMD CKD: DATE:	APPROVED BY J.W. SILLIMAN, P.E., DIRECTOR DEPARTMENT of SANITARY SEWERS	No. 1 DATE 3-78 REVISIONS house connections as per inspectors report	SCALE 50 0 50 100 1" = 50'	DEPARTMENT of SANITARY SEWERS CITY of TAMPA, FLORIDA RENEWAL & REPLACEMENT SEWER IMPROVEMENT	HENRY AVENUE From Ola Ave. to Alley west of Otis Ave.	SHEET OF

BROWNING 44-132 29917

143-42



NOTES
1. Utility locations are approximate. Notify proper authorities prior to construction.
2. Exact angle on MH's to be determined at the time of traverse stake out.
3. Approximate location of existing house connections locations are shown. Replace in place while maintaining continuous sewage flow.
4. Put in new house connections for vacant lots as shown.
5. Replace paving full width with asphaltic concrete, Type I.

2-1-79 YHK

ELTON G. SMITH, P.E. #19872 CHIEF ENGINEER DEPARTMENT of SANITARY SEWERS	DES: MJA DRN: E.R. CKD: gPM DATE: 11/8/77	APPROVED BY J.W. SILLIMAN, P.E., DIRECTOR DEPARTMENT of SANITARY SEWERS

No	DATE	REVISIONS
1		
2		
3		
4		
5		

SCALE 1" = 50'

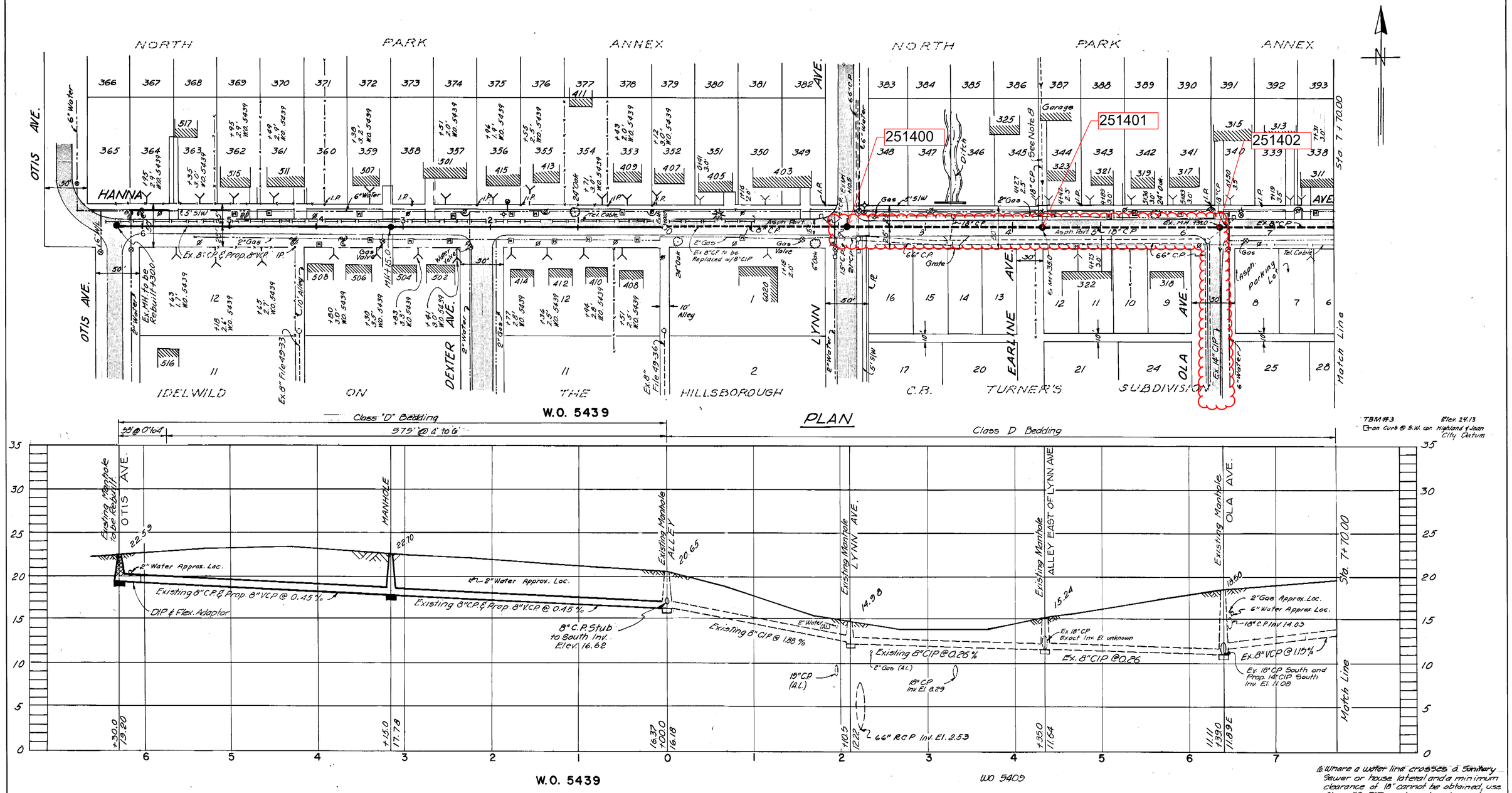
DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENT

OLA ST.: From W. Idlewild St. to Hanna Ave.

SHEET 4 OF 10

144-23

BRUNING 44-132 29917



TBM #3 Elev. 24.13
On curb @ S.W. cor. Highland & Jean
City Datum

5-18 LYH
(From Alley W. of Lynn to Match Line Sta. 7+70.00)
3-81 C.V. (from Alley W. of Lynn to Sta. 6+30)

NOTES

1. Utility locations are approximate. Notify proper authorities prior to construction.
2. At the time of [illegible] stake out.
3. Note that stationing is reversed.
4. The Ola Ave. to be inspected to determine if it should be rebuilt.
5. Replace paving full width with asphaltic concrete, Type S-1.
6. Where a water line crosses a Sanitary Sewer or house lateral and a minimum clearance of 18" cannot be obtained, use Class 52 DIP centered under water line with approved flexible coupling to adjacent clay pipe.
7. Existing house connections to be replaced in place while maintaining continuous sewage flow.
   If so, remove old pipe & replace in place with 6" lateral up to actual house connection. Fill old 18" C.P. left in place with sand and abandon.

Jack Morris, P.E. # 24578 CHIEF ENGINEER DEPARTMENT of SANITARY SEWERS	Elton G. Smith, P.E. DIRECTOR DEPARTMENT of SANITARY SEWERS	DES: MJA DRN: E R CKD: [illegible] DATE: 11/8/77	APPROVED BY J.W. SILLIMAN, P.E., DIRECTOR DEPARTMENT of SANITARY SEWERS	No. / DATE / REVISIONS 1 / 1-24-80 / Replace Line From MH East of Dexter Ave. to Otis Ave 2 / 3-24-81 / As-Built C.V. 3 4 5	SCALE 50 0 50 100 1" = 50'	DEPARTMENT of SANITARY SEWERS CITY of TAMPA, FLORIDA RENEWAL & REPLACEMENT SEWER IMPROVEMENT	HANNA AVE.: From Manhole East of Dexter Ave. to Otis Ave.	SHEET 5 OF 10

BRUNING 44-132 29617

145-3

DES: MJA
DRN: E.R / KMS
CKD: JPM
DATE: 2-81.

JACK MORRISS, P.E. # 24578
CHIEF ENGINEER
DEPARTMENT of SANITARY SEWERS

APPROVED BY

ELTON G. SMITH, P.E.
DIRECTOR
DEPARTMENT of SANITARY SEWERS

No	DATE	REVISIONS
1	9/23/80	Jean St: Higland to Match Line
2		updated for construction
3	1-30-81	Jean St: Sta. 2+25.2 to 7+67.6
4		for Construction. E.R.
5		

SCALE 1" = 50'

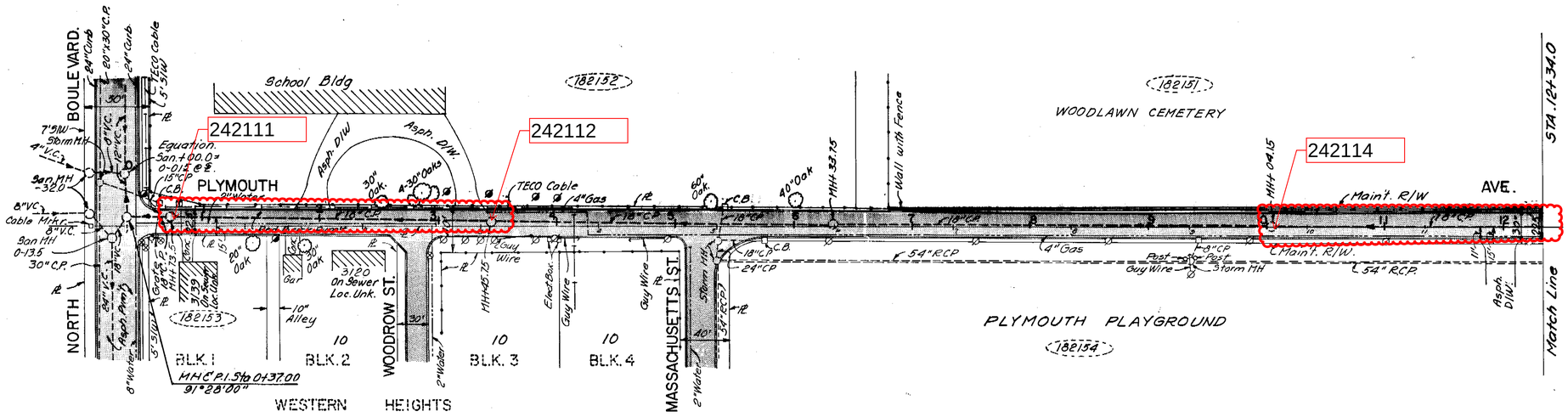
DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENT

JEAN ST.: From Sta. 2+25.2 to Sta. 7+67.6

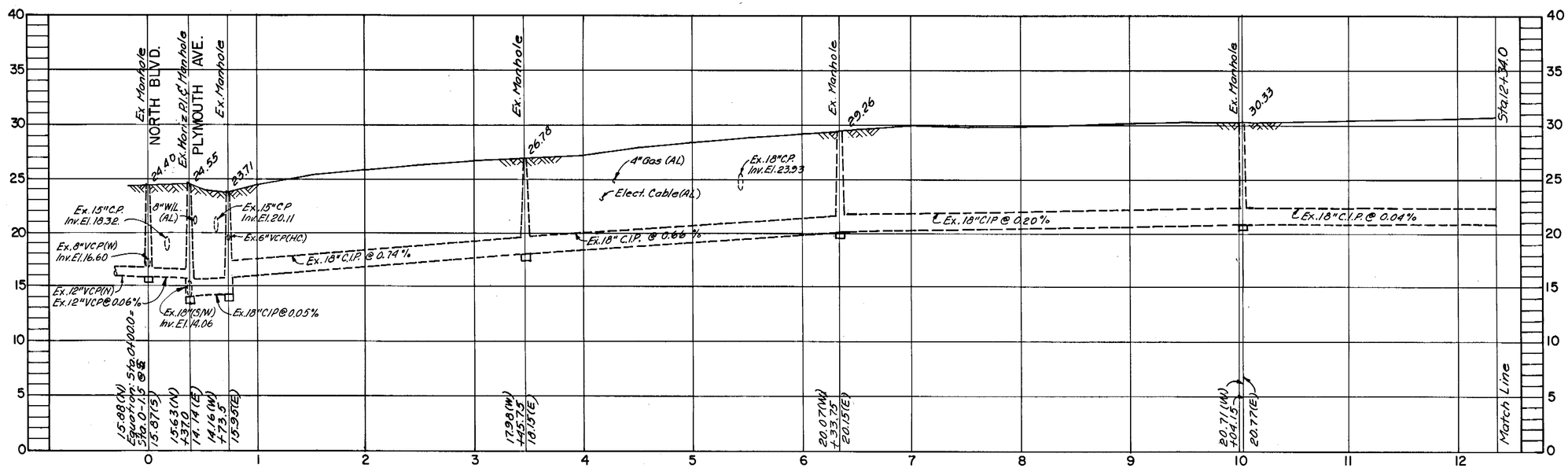
SHEET
OF

145-6

BRUNING 44-132 29917



PLAN



PROFILE

B.M. Elev. 24.169
℄ & S/W N.E. Cor. N. Blvd. & Plymouth.

AS BUILT
By Survey

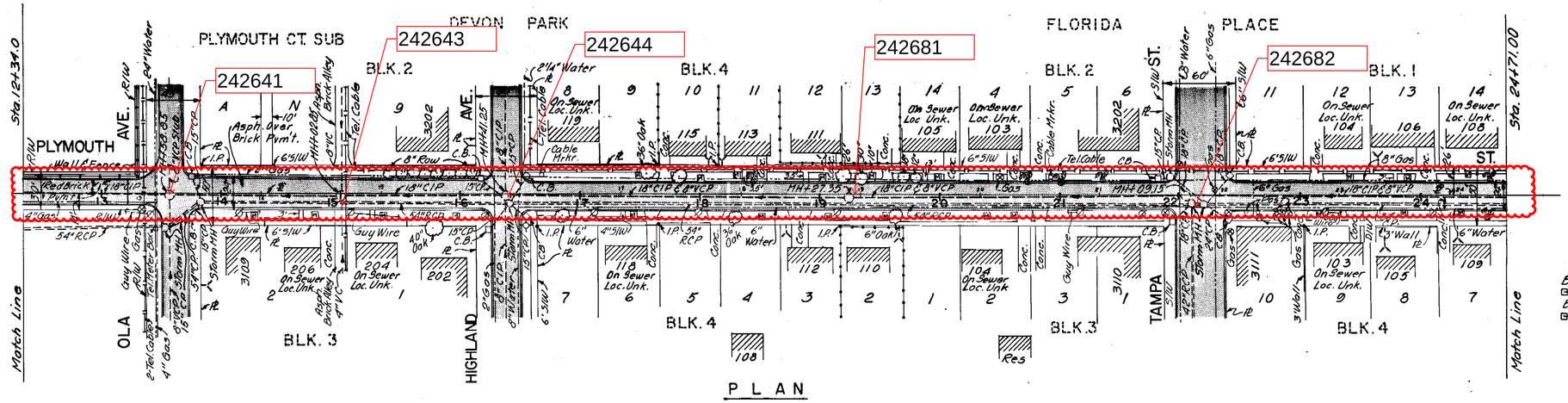
G-12/13

	JACK MORRISS P.E. # 24578 CHIEF ENGINEER DEPARTMENT of SANITARY SEWERS	DES: DRN: E. R. CKD: DATE: 9-80.	APPROVED BY ELTON G. SMITH, P.E. DIRECTOR DEPARTMENT of SANITARY SEWERS	No. / DATE / REVISIONS 1 2 3 4 5	SCALE 50 0 50 100 1" = 50'	DEPARTMENT of SANITARY SEWERS CITY of TAMPA, FLORIDA RENEWAL & REPLACEMENT SEWER IMPROVEMENTS	PLYMOUTH TRUNK: From North Boulevard Ave. (Sta. 0+00.0) to Sta. 12+34.0.

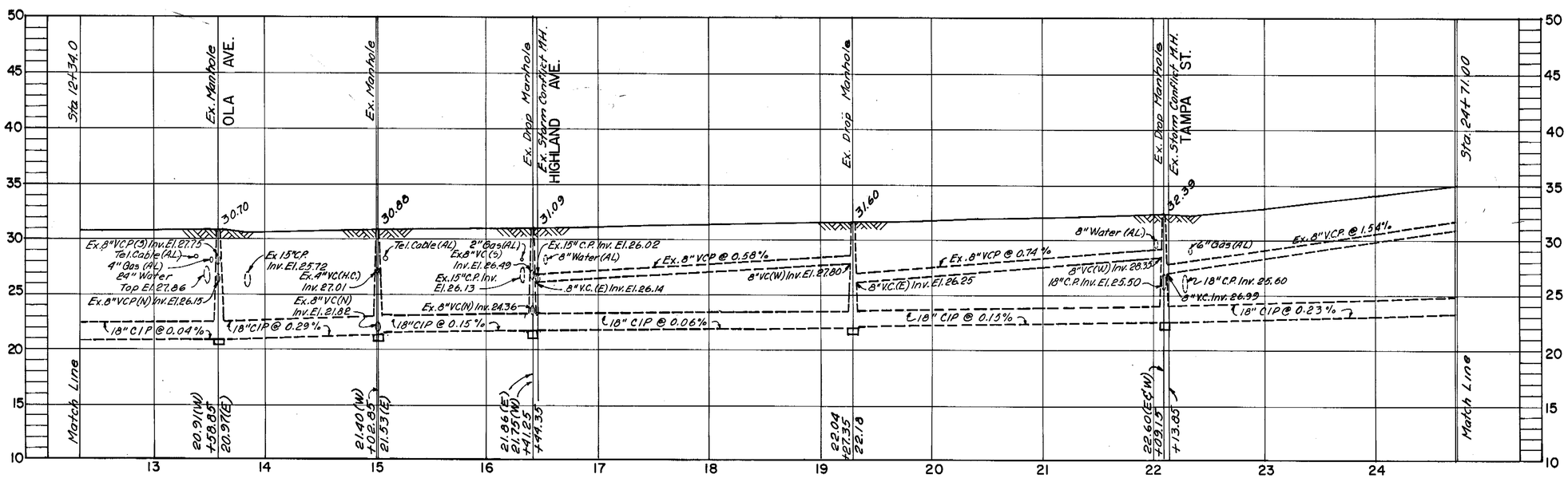
SHEET 1 OF 8

156-81

BRUNING 44-132 29917



BM Elev. 31.20
Cut, Top C.B., S.E. Cor. Highland Ave. & Plymouth St.
B.M. Elev. 24.18
Cut & 9"W, NE. Cor. Plymouth St. & N. Blvd.



P R O F I L E

AS BUILT
By Survey

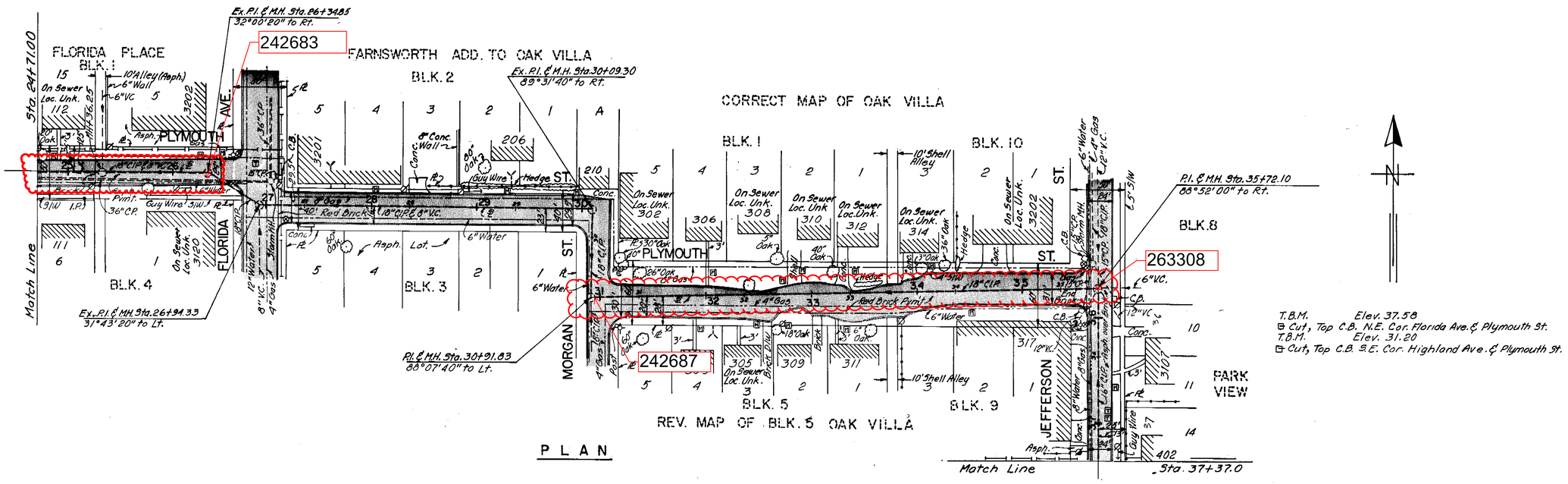
JACK MORRISS, P.E. # 24578 CHIEF ENGINEER DEPARTMENT of SANITARY SEWERS	DES: DRN: E. R. CKD: DATE: 9-80.	APPROVED BY ELTON G. SMITH, P.E. DIRECTOR DEPARTMENT of SANITARY SEWERS	NO.	DATE	REVISIONS	SCALE 50 0 50 100 1" = 50'	DEPARTMENT of SANITARY SEWERS CITY of TAMPA, FLORIDA RENEWAL & REPLACEMENT SEWER IMPROVEMENTS

PLYMOUTH TRUNK: From Ola Ave. (Sta. 12+34.0) to Tampa St. (Sta. 24+71.00.

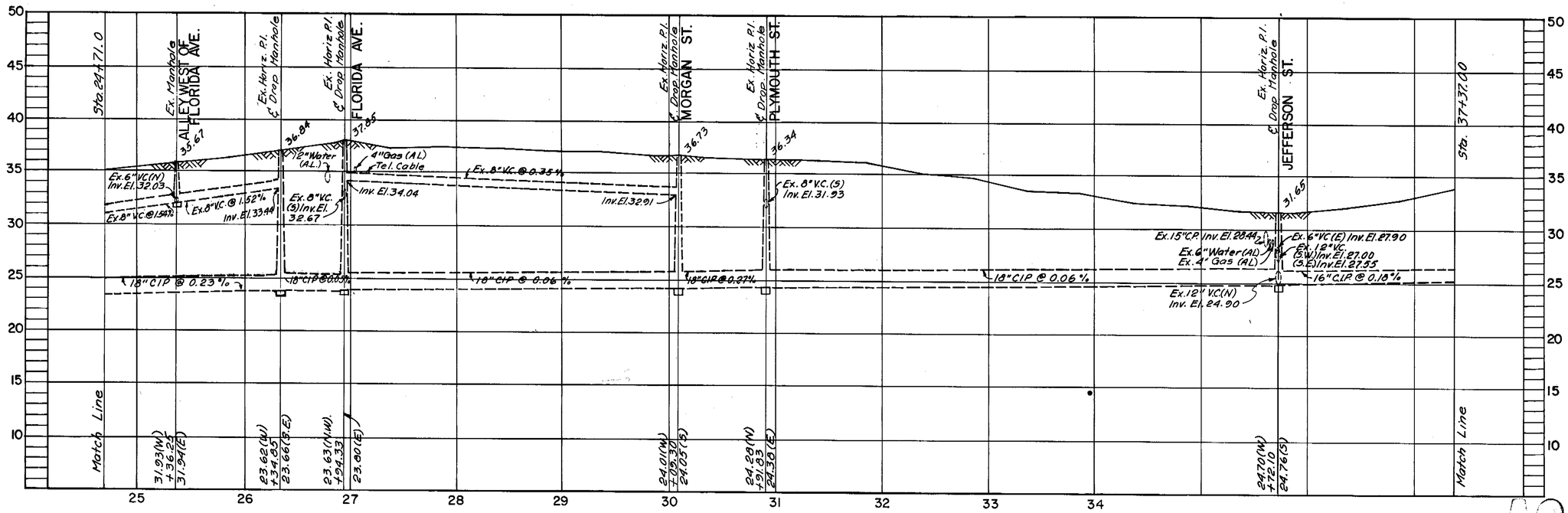
SHEET 2 OF 8

156-32

BRUNING 44-132 29917



PLAN



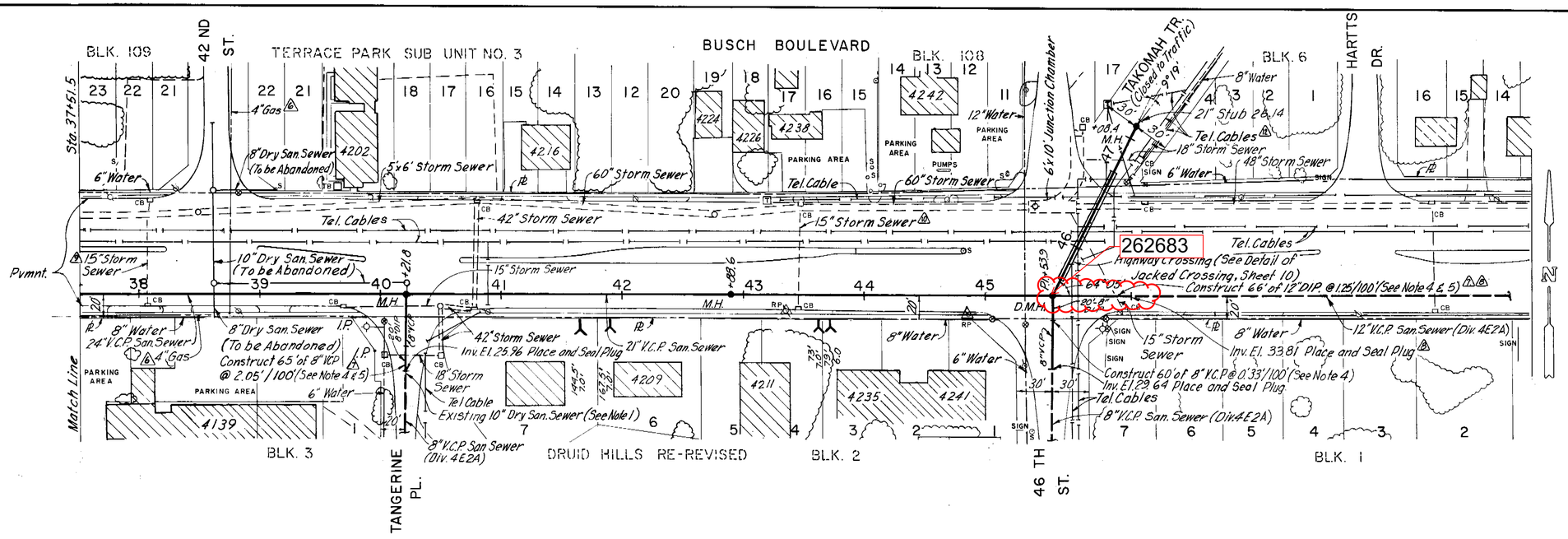
PROFILE

AS BUILT
By Survey

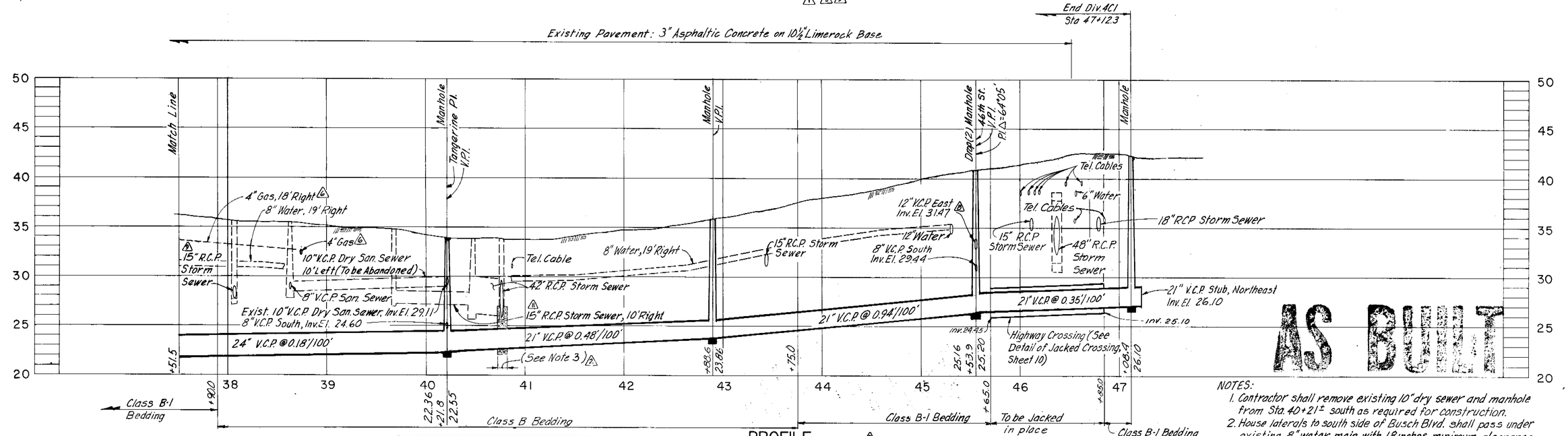
JACK MORRISS PE. # 24578 CHIEF ENGINEER DEPARTMENT of SANITARY SEWERS	DES: DRN: E. R. CKD: DATE: 9-80.	APPROVED BY ELTON G. SMITH, P.E. DIRECTOR DEPARTMENT of SANITARY SEWERS	No.	DATE	REVISIONS	SCALE 50 0 50 100 1" = 80'	DEPARTMENT of SANITARY SEWERS CITY of TAMPA, FLORIDA RENEWAL & REPLACEMENT SEWER IMPROVEMENTS	PLYMOUTH TRUNK: From West of Florida Ave. (Sta. 24+71.00) to JEFFERSON ST. (Sta. 37+37.0)	SHEET 3 OF 8

BRUNING 44-132 29917

156-33



PLAN



AS BUILT

NOTES:
1. Contractor shall remove existing 10" dry sewer and manhole from Sta. 40+21± south as required for construction.
2. House laterals to south side of Busch Blvd. shall pass under existing 8" water main with 18 inches minimum clearance.
3. Contractor shall install 8' long complete encasement centered under storm sewer. Encasement shall extend up to form cradle under storm sewer.
4. Contractor shall install all 8" and 12" V.C.P. in Class C Bedding.
5. Install 4' long complete conc. encasements around 8" V.C.P. South in Tangerine Pl., centered under 18" storm sewer, and around 12" V.C.P. east in Busch Blvd., centered under 15" storm sewer. Extend encasements up to center lines of storm sewers.

COMPILED BY PHOTOGRAMMETRIC METHODS BY
ABRAMS AERIAL SURVEY CORPORATION
LANSING, MICHIGAN
DATE OF PHOTOGRAPHY OCTOBER 1970 DATE OF MAPPING

RP REFERENCE POINT
THESE SELECTED POINTS ARE PLOTTED WITH EXTREME CARE AND ARE RECOMMENDED AS BASIC TIES DURING CONSTRUCTION.

NO.	DATE	APP.	REVISION
8	9/28/84	E.R.	As built.
7	6/11/82	TLW	Rev. Elevs. of 12" V.C.P. east of Sta 45+55
6	6/11/82	TLW	Added Note 5
5	10-1-81	TLW	Add 4" Gas, Sta. 33+15 to 38+76±
4	5-5-81	TLW	Rev. Align. M.H. Sta. 45+55.5 to end
3	4-29-81	TLW	Rev. Pipe Bedding, Add Class B-1
2	4-29-81	TLW	Add Note 4
1	4-29-81	TLW	Add. Conc. Encase & Note 3
0	4-27-81	TLW	Extend Stubs at Various locations
11	6/11/82	TLW	Add Tel. Cables in Tahomah Tr.
10	6/11/82	TLW	Rev. Ø of St. 39+75± to 40+50± in Prof.
9	6/11/82	TLW	Rev. Ø of Storm @ 43+45± in Plan
8	6/11/82	TLW	Rev. Ø & El. of Storm @ 38+10±

SCALE
50 0 50 100 FT. HORIZ. 1" = 50'
5 0 5 10 VERT. 1" = 5'

GREELEY AND HANSEN
ENGINEERS
222 S. RIVERSIDE PLAZA
CHICAGO, ILLINOIS 60606

DESIGNED W.R.B., M.D.O.
DRAWN W.R.B.
CHECKED M.D.O., T.L.W.

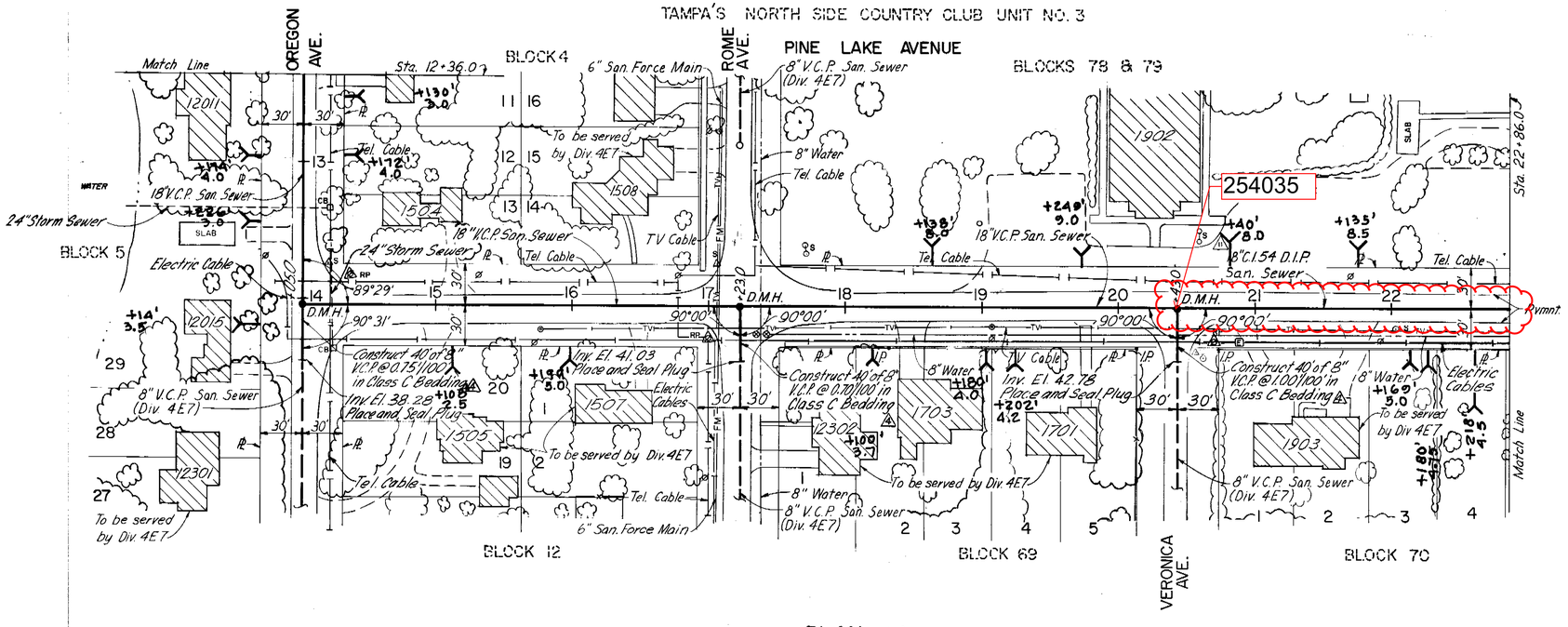
APPROVED
DATE
SUPT., DEPT. OF SANITARY SEWERS
DATE
GREELEY AND HANSEN, ENGINEERS

CITY OF TAMPA, FLORIDA
SEWAGE DISPOSAL SYSTEM
BUSCH BLVD TRUNK SEWER

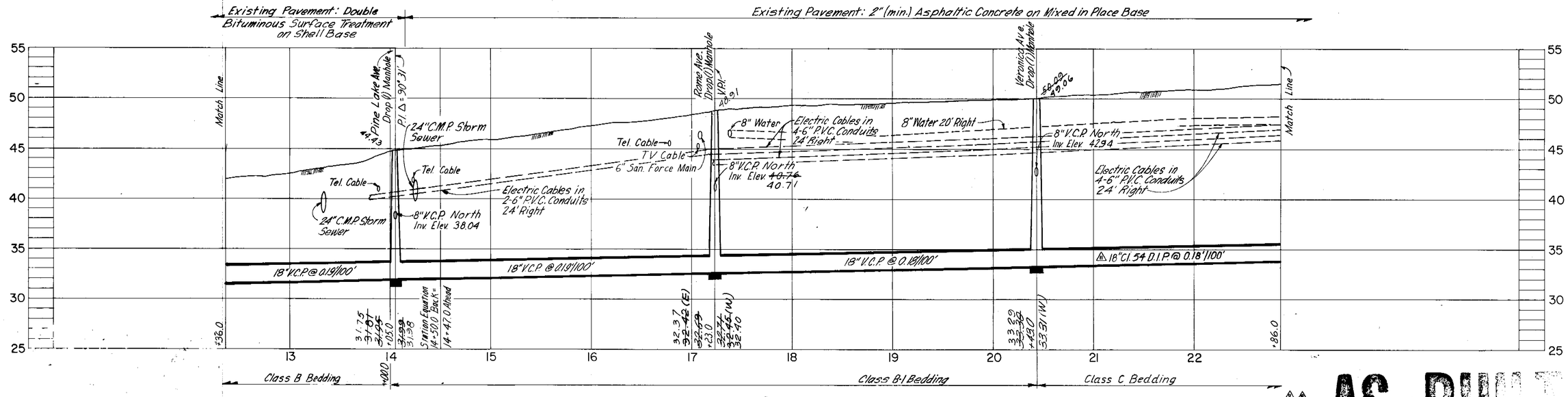
DIVISION 4C1
PLAN AND PROFILE
STA. 37+51.5 TO STA. 47+65.0

PROJ. NO. S202-70-30D 4C1
SHEET 6 OF 10
DATE DEC 1973 REV. 12

C189-351857



PLAN ⚠⚠⚠



PROFILE ⚠⚠⚠⚠⚠⚠

COMPILED BY PHOTOGRAMMETRIC METHODS BY
ABRAMS AERIAL SURVEY CORPORATION
LANSING, MICHIGAN
DATE OF PHOTOGRAPHY OCTOBER 1970 DATE OF MAPPING NOVEMBER 1972

⚠BP REFERENCE POINT
THESE SELECTED POINTS ARE PLOTTED WITH EXTREME CARE AND ARE RECOMMENDED AS BASIC TIES DURING CONSTRUCTION.

NO.	DATE	APP.	REVISION
⚠	4/11/83	T.L.W.	Add Note
⚠	3/29/83	T.L.W.	Add 8" Water to Profile
⚠	3/29/83	T.L.W.	Change Type B to Type A House Lateral
⚠	5/25/81	T.L.W.	Add Elec. Cables in Plan & Profile
⚠	5/29/81	T.L.W.	Extend Stubs
⚠	5/29/80	T.L.W.	Rev. Bedding Classes
⚠	5/29/80	T.L.W.	Rev. Pipe Diameter
⚠	12/6/77	T.L.W.	Add Bedding Class in Profile
⚠	12/18/84	T.L.W.	Change V.C.P. to C.I.54 D.I.P. Sta. 20+43 to 22+86
⚠	12/18/84	T.L.W.	Delete Class A Bedding Sta. 22+00 to 22+86
⚠	12/18/84	T.L.W.	Delete Note

AS BUILT
Clo 2-4-87

GREELEY AND HANSEN
ENGINEERS
222 S. RIVERSIDE PLAZA
CHICAGO, ILLINOIS 60606

DESIGNED J.J.T.
DRAWN F.F.L., R.D.C.
CHECKED T.L.W.

APPROVED
DATE
SUPT., DEPT. OF SANITARY SEWERS
DATE
GREELEY AND HANSEN, ENGINEERS

SCALE
50 0 50 100 FT HORIZ. 1" = 50'
5 0 5 10 VERT. 1" = 5'

CITY OF TAMPA, FLORIDA
SEWAGE DISPOSAL SYSTEM
MIDLAKE DRIVE TRUNK SEWER

DIVISION 4C3
PLAN AND PROFILE
STA. 12+36 TO STA. 22+86

PROJ. NO. S202-70-30D 4C3
SHEET 4 OF 10
DATE APRIL, 1973 REV. 11

190-5

TAMPA'S NORTH SIDE COUNTRY CLUB UNIT NO. 3

PINE LAKE AVENUE

LAKEWOOD GARDENS

ARMENIA AVE.

BLOCK 77

BLOCK 75

254034

254033

254032

254031

LAKE MAGDALENE SCHOOL

2002

On Sewer

Inv. El. 39.10 Place and Seal Plug

Construct 30' of 8" V.C.P. @ 0.33/100' in Class C Bedding

18" Cl. 54 D.I.P. San. Sewer

Tel. Cable

3" Water

8" Water

T. E. CO. SUB-STATION

Elec. Cable

Abandoned 6" San. Force Main

11828, 30, 32, 34

6" Water On Sewer

8" San. Sewer

11836, 38

Construct 40' of 8" V.C.P. @ 0.33/100' in Class C Bedding

101°48'

8" V.C.P. San. Sewer (Div. 4E7)

25' 25'

Inv. El. 41.02 Place and Seal Plug

+100 -131

78°12'

5°17'

18" V.C.P. San. Sewer

Pvmnt

Sta. 22+86.0

Sta. 33+36.0

D.M.H.

8" Water Elec. Cables

2¼" Water

+338' 4.5

+180' 4.75

+218' 4.5

+398' 4.5

I.P.

T.V. Cable

Elec. Cables

Elec. Cable Tel. Cable 8" Water (2301)

Construct 40' of 8" V.C.P. @ 0.33/100' in Class C Bedding

Inv. El. 42.93 Place and Seal Plug

8" V.C.P. San. Sewer (Div. 4E7)

8" Water T.V. Cable

Existing 6" V.C.P. House Lateral

6" San. Force Main

18" Cl. 54 D.I.P. San. Sewer

Match Line

1909

2001

POOL

2011

12303

STORE & GAS STATION

To be served by Div. 4E7

Tel. Cable

To be served by Div. 4E7

BLOCK 70

BLOCK 71

BLOCK 66

OAKLEAF AVE.

WOODLEIGH AVE.

WATERSIDE CT.

ARMENIA AVE.

PLAN

Existing Pavement: 2" (min.) Asphaltic Concrete on Mixed in Place Base

Oakleaf Ave. Drop (I) Manhole V.P.I.

Drop (I) Manhole

Armenia Ave. Drop (I) Manhole V.P.I.

Waterside Ct. Drop (I) Manhole P.I. Δ = 5°17'

Tel. Cable

8" Water 20' Right

3" Water

Electric Cables in 4-6" P.V.C. Conduits 24' Right

8" V.C.P. North Inv. Elev. 44.11

Electric Cables in 4-6" P.V.C. Conduits 24" Right

8" V.C.P. South Inv. El. 39.30

Elec. Cable Tel. Cable

Electric Cables in 4-6" P.V.C. Conduits in 24" Casing Pipe

8" Water

6" V.C.P. House Lateral

6" C.I.P. San. Force Main

6" Water

8" V.C.P. North Inv. Elev. 42.94

8" Water 15' to 20' Right

8" V.C.P. South Inv. Elev. 41.40

18" Cl. 54 D.I.P. @ 0.18"/100'

18" Cl. 54 D.I.P. @ 0.17"/100'

18" Cl. 54 D.I.P. @ 0.17"/100'

18" Cl. 54 D.I.P. @ 0.16"/100'

18" V.C.P. @ 0.16"/100'

Match Line

Match Line

Class C Bedding

Class B-1 Bedding

PROFILE

AS BUILT

COMPILED BY PHOTOGRAMMETRIC METHODS BY
ABRAMS AERIAL SURVEY CORPORATION
LANSING, MICHIGAN

DATE OF PHOTOGRAPHY OCTOBER 1970 DATE OF MAPPING NOVEMBER 1972

RP REFERENCE POINT
THESE SELECTED POINTS ARE PLOTTED WITH EXTREME CARE AND ARE RECOMMENDED AS BASIC TIES DURING CONSTRUCTION.

NO.	DATE	APP.	REVISION
6	4/11/83	TLW	Add Note
5	3/31/83	TLW	Add 8" San. Sewer, Sta. 29+02
4	3/29/83	TLW	Add 8" Water to Profile
3	3/29/83	TLW	Change Type B to Type A House Lateral
2	5/25/81	TLW	Add Elec. Cables in Plan & Profile
1	5/29/81	TLW	Extend Stubs
0	5/29/81	TLW	Rev. Bedding Classes
2	5/29/81	TLW	Rev. Pipe Dia.
1	12/16/77	TLW	Add Bedding Class in Profile
4	12/18/84	TLW	Rev. Inv. El. Lat. Sewer Sta. 29+33
3	8/9/83	TLW	Delete 8" San Sewer, Sta. 29+02
2	8/9/83	TLW	Add 8" Lat. Sewer, Sta. 27+65
1	8/9/83	TLW	Move MH. Sta. 26+78 to Sta. 27+65
5	12/18/84	TLW	Change V.C.P. to D.I.P. Sta. 22+86 to 31+93
4	12/18/84	TLW	Delete Class A Bedding Sta. 22+86 to 31+50
3	12/18/84	TLW	Delete Note

SCALE
50 0 50 100 FT HORIZ. 1" = 50'
5 0 5 10 VERT. 1" = 5'

GREELEY AND HANSEN
ENGINEERS
222 S. RIVERSIDE PLAZA
CHICAGO, ILLINOIS 60606

DESIGNED J.J.T.
DRAWN F.F.L., R.D.C.
CHECKED T.L.W.

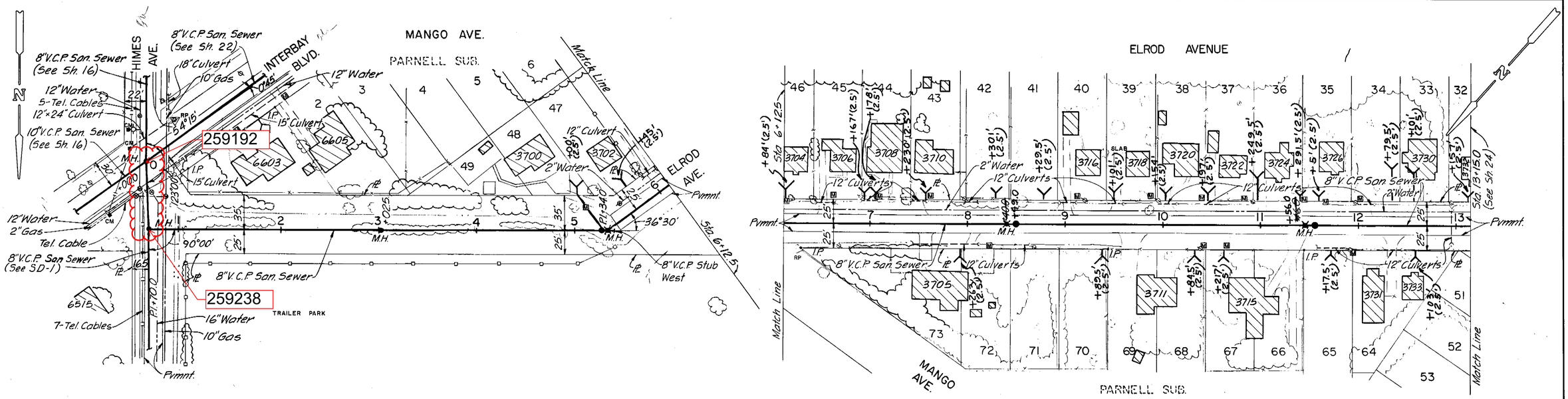
APPROVED
DATE
SUPT., DEPT. OF SANITARY SEWERS
DATE
GREELEY AND HANSEN, ENGINEERS

CITY OF TAMPA, FLORIDA
SEWAGE DISPOSAL SYSTEM
MIDLAKE DRIVE TRUNK SEWER

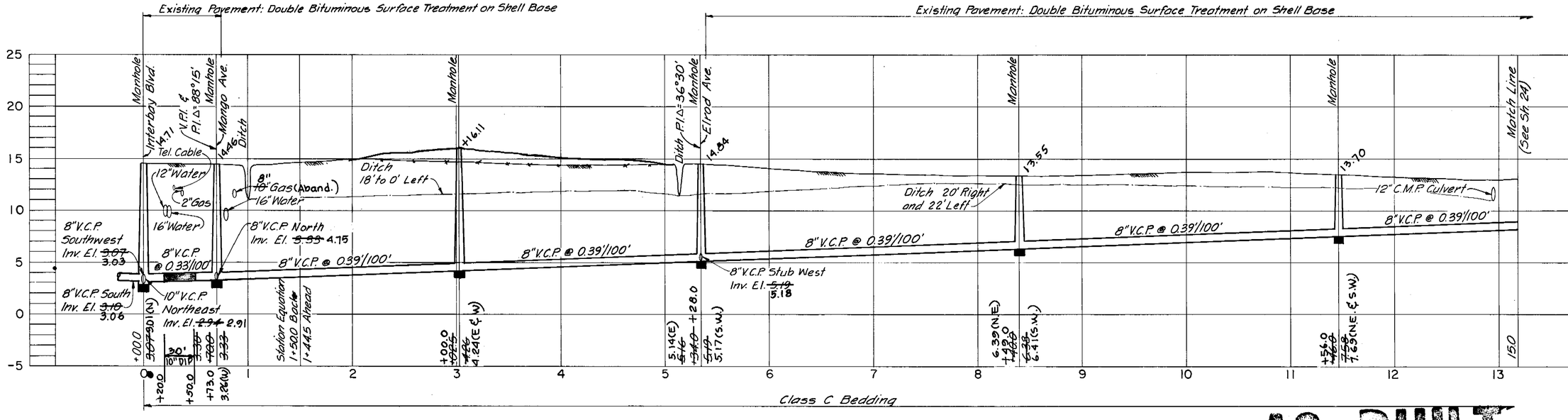
DIVISION 4C3
PLAN AND PROFILE
STA. 22+86 TO STA. 33+36

PROJ. NO. S202-70-30D 4C3
SHEET 5 OF 10
DATE APRIL, 1973 REV. 16

190-6



PLAN



PROFILE

AS BUILT
Elo 12-18-89

COMPILED BY PHOTOGRAMMETRIC METHODS BY
ABRAMS AERIAL SURVEY CORPORATION
LANSING, MICHIGAN
DATE OF PHOTOGRAPHY OCTOBER 1970 DATE OF MAPPING MARCH 1974

△RP REFERENCE POINT
THESE SELECTED POINTS ARE PLOTTED WITH EXTREME CARE AND ARE RECOMMENDED AS BASIC TIES DURING CONSTRUCTION.

GREELEY AND HANSEN
ENGINEERS
SUITE 301
4350 WEST CYPRESS STREET
TAMPA, FLORIDA 33607-4135

DESIGNED AA
DRAWN AA
CHECKED JJT, TLW

APPROVED
DATE
SUPT., DEPT. OF SANITARY SEWERS
DATE
GREELEY AND HANSEN, ENGINEERS

NO.	DATE	APP.	REVISION

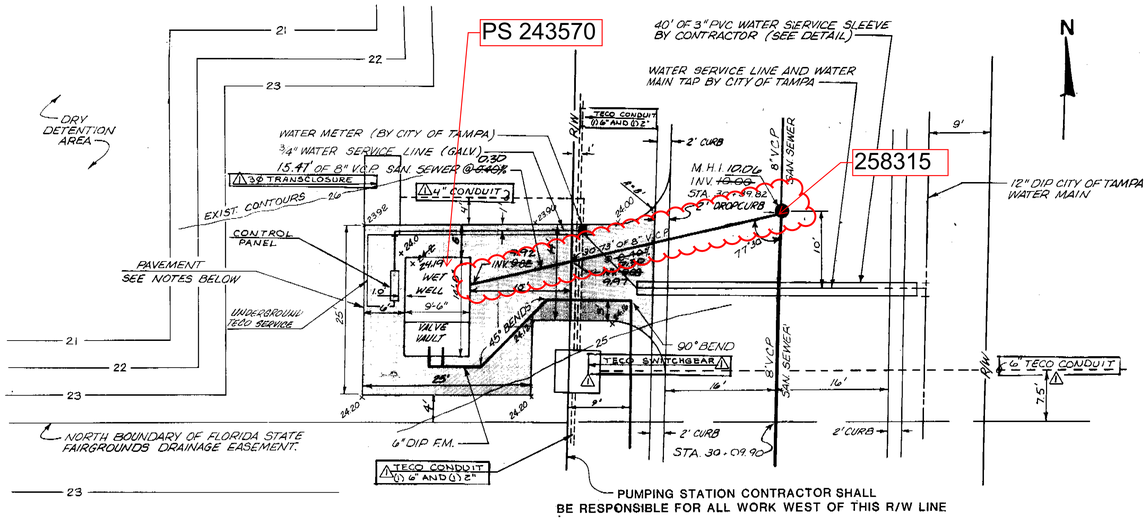
SCALE
HORIZ. 1" = 50'
VERT. 1" = 5'

CITY OF TAMPA, FLORIDA
SEWAGE DISPOSAL SYSTEM
SEWER IMPROVEMENT AREA 2-2

DIVISION 4E15
PLAN AND PROFILE
HIMES AVE.—INTERBAY BLVD. TO MANGO AVE.
MANGO AVE.—HIMES AVE. TO ELROD AVE.
ELROD AVE.—MANGO AVE. TO STA. 13+15

PROJ. NO. S202-70-30D 4E15
SHEET 21 OF 47
DATE FEBR 1984 REV. 0

195-21

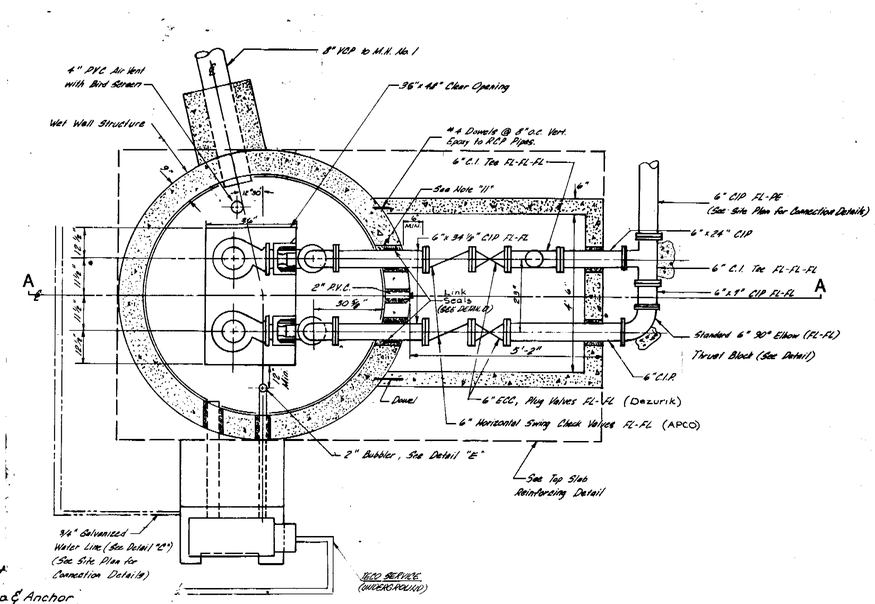


SITE PLAN

1" = 10'

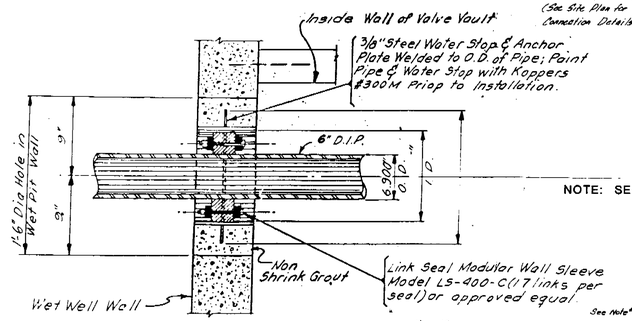
NOTES

- DENOTES AREA TO BE PAVED
- ACCESS DRIVE AND PARKING AREA SHALL BE 6 INCHES OF COMPACTED LIMEROCK BASE AND 1 INCH OF TYPE II ASPHALTIC CONCRETE.
- PUMP STATION SITE SHALL BE GRADED BY THE CONTRACTOR TO AN ELEVATION OF 24' AROUND THE STATION AS SHOWN ON THE PLANS. THE ASPHALT PARKING AREA SHALL BE GRADED WITH A SLOPE OF 1/8 INCH PER FOOT FROM SOUTH TO NORTH; EXISTING DRAINAGE PATTERNS SHALL BE MAINTAINED).
- PUMPING STATION AND PUMP STATION SITE TO BE OWNED, OPERATED AND MAINTAINED BY THE CITY OF TAMPA.



SECTIONAL PLAN

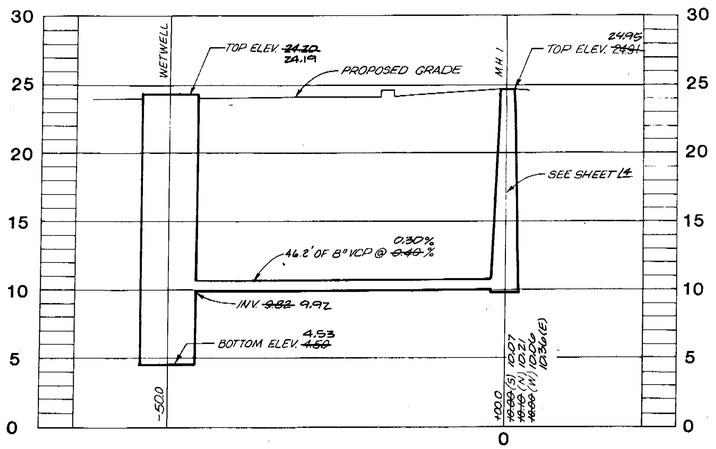
NOT TO SCALE



DETAIL "D"

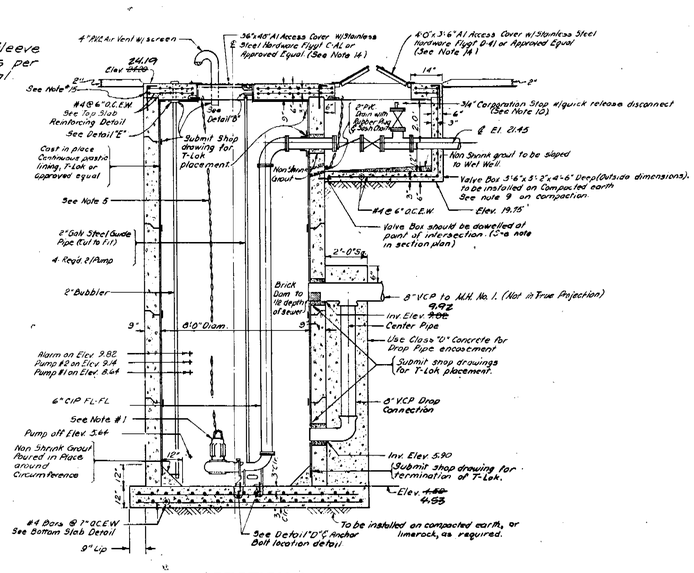
NOT TO SCALE

NOTE: SEE SHEET NO. 27 FOR PUMPING STATION NOTES REFERRED TO ON THIS SHEET



PROFILE

SCALE
HORIZ: 1"=10'
VERT: 1"=5'



SECTION A-A

NOT TO SCALE

RECORD DRAWINGS
8/23/83

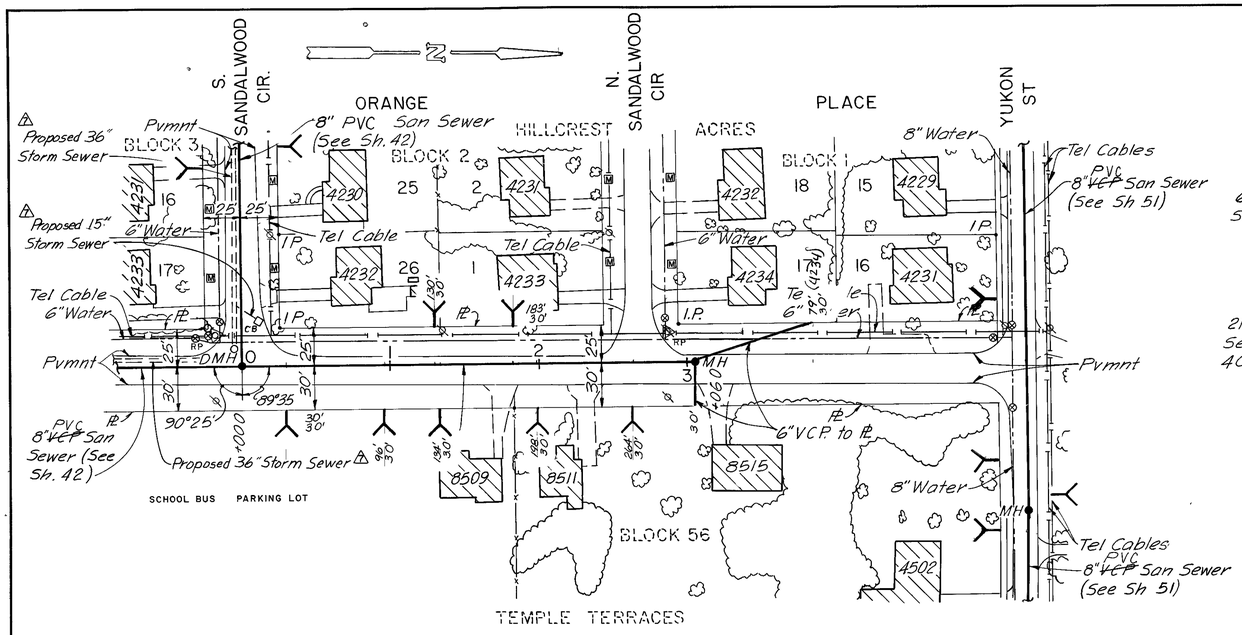
81-121.10
JOB NO.
SCALE 7/19/82
DATE
DESIGN
DRAWN
CHECKED
APPROVED
REVISION
9/14/82
11/22/82
11/23/82
2/10/83

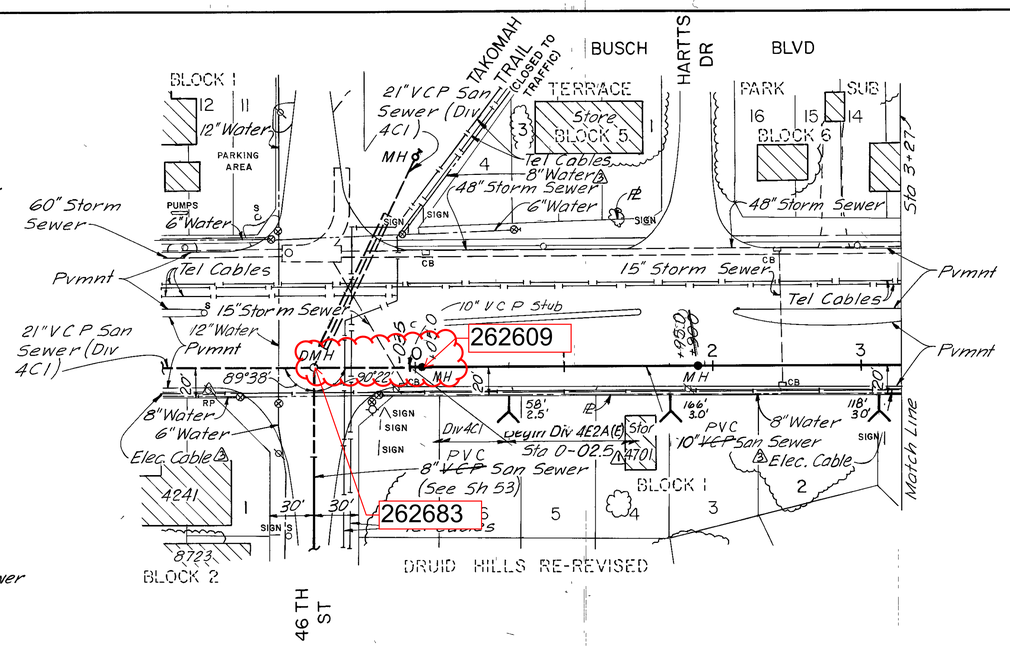
PUMPING STATION DETAILS

INTERSTATE BUSINESS PARK
AMERICAN TECTONICS
UNIT-1 CONSTRUCTION DRAWINGS

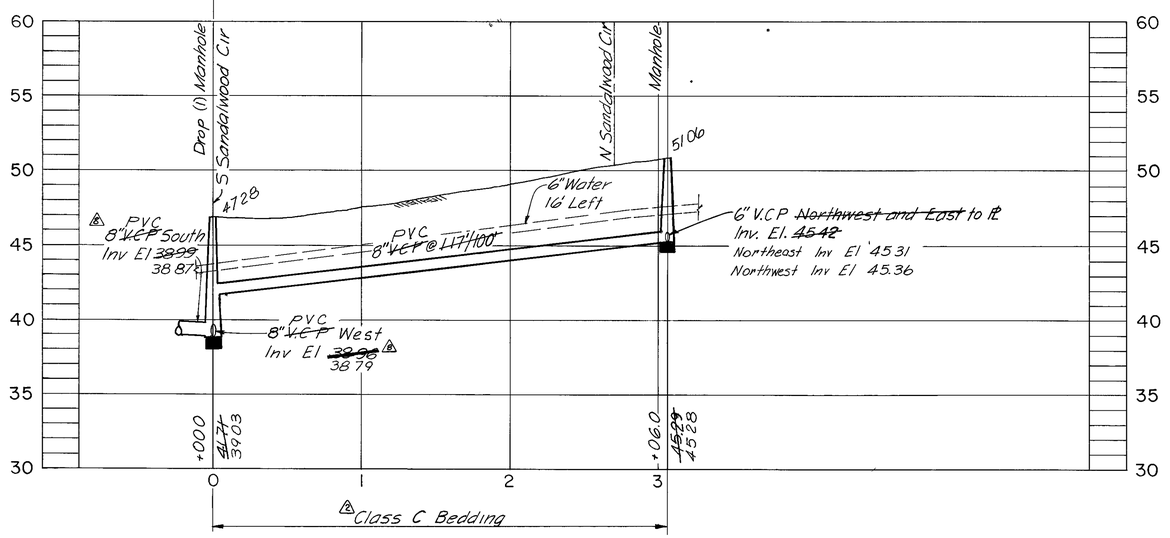
FLORIDA LAND DESIGN & ENGINEERING INC.
planning / engineering / landscape architecture
505 s. magnolia tampa, florida 33606 (813) 253-2183

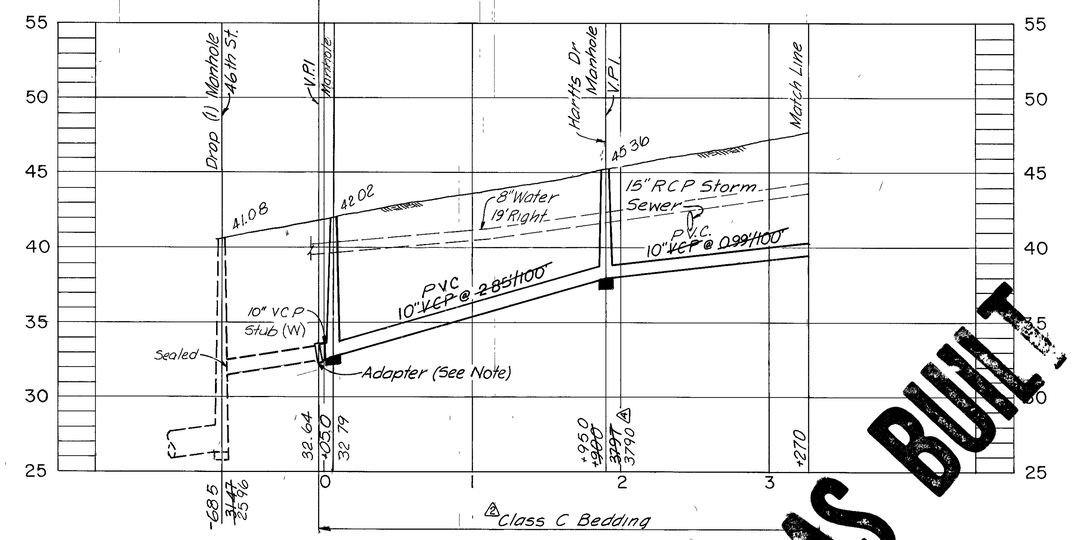
26





PLAN





PROFILE

4	4/93		AS-BUILT Per Insp't Rpt & Survey
3	9/18/86	TLW	Rev EL 8" VCP S&W Sta 0+00
2	9/18/86	TLW	Update Utilities
1	2/4/85	TLW	Rev Vert Align & Pipe Size Sta 0-025 to 3+27
3	5/7/82	TLW	Added Buildings
4	5/7/82	TLW	Rev. Vert. Align Sta 0-035 to 3+27
3	5/7/82	TLW	Update Utilities
2	5/7/82	TLW	Rev. Bedding Class
1	5/7/82	TLW	Rev Beginning of Division
NO	DATE	APP	REVISION

SCALE
50 0 50 100 FT HORIZ 1" = 50'
5 0 5 10 VERT 1" = 5'

NOTE:
Contractor shall verify location and elevation of end of 12" VCP stub at Sta 0-025 prior to construction and shall connect to this stub with an approved 10"×12" adapter

AS BUILT

GREELEY AND HANSEN
ENGINEERS
222 S RIVERSIDE PLAZA
CHICAGO, ILLINOIS 60606

DESIGNED AA
DRAWN AA
CHECKED RSH, TLW

APPROVED
DATE
SUPT, DEPT OF SANITARY SEWERS
DATE
GREELEY AND HANSEN, ENGINEERS

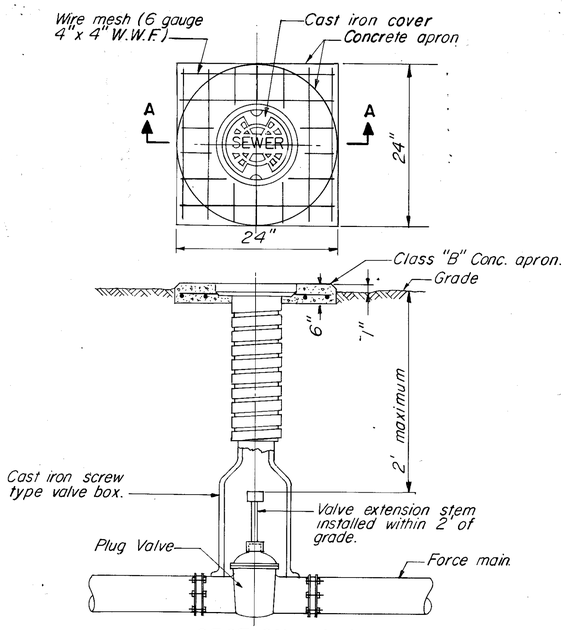
CITY OF TAMPA, FLORIDA
SEWAGE DISPOSAL SYSTEM
SEWER IMPROVEMENT AREA 27-1

DIVISION 4E2A (EAST)
PLAN AND PROFILE
ORANGE PL – S SANDALWOOD CIR TO N SANDALWOOD CIR
BUSCH BLVD – 46TH ST TO STA. 3+270

PROJ NO S202-70-30D 4E2A
SHEET 55 OF 71
DATE JAN 1975 REV 4

C 2217-30 (88)

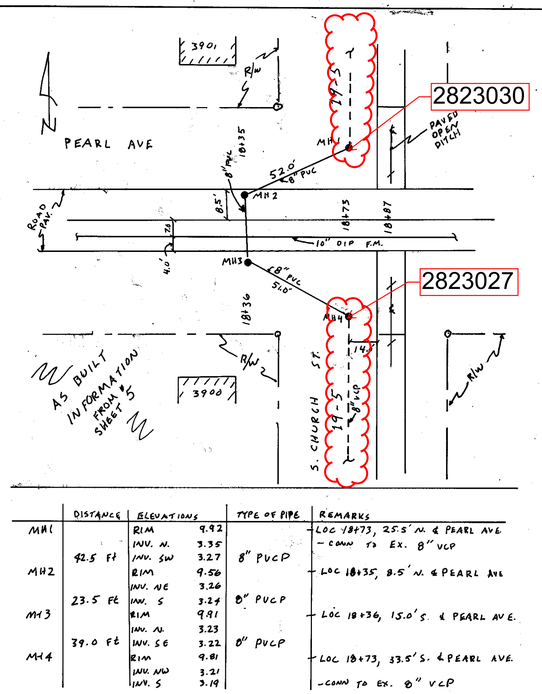
AF 30179



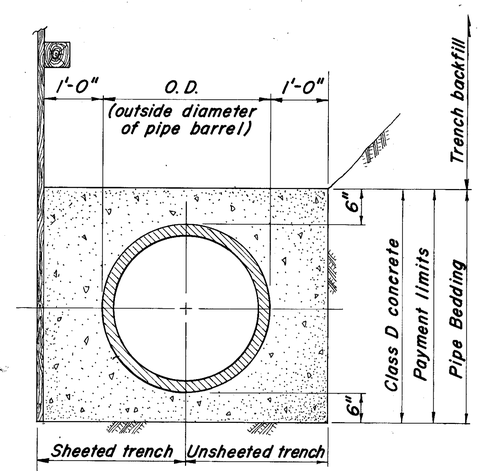
SECTION A-A

VALVE BOX DETAIL

NOT TO SCALE

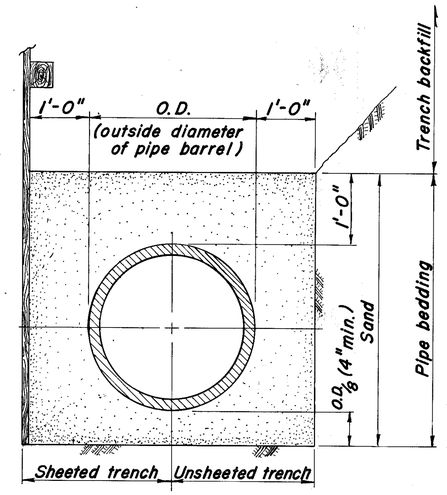


	DISTANCE	ELEVATIONS		TYPE OF PIPE	REMARKS
MH1		RIM	9.92		LOC 18+73, 25.5' N. & PEARL AVE.
		INV. N.	3.35		- CONN TO EX. 8" VCP
	42.5 Ft	INV. SW	3.27	8" PVCP	
MH2		RIM	9.56		LOC 18+35, 8.5' N. & PEARL AVE
		INV. NE	3.26		
	23.5 Ft	INV. S	3.24	8" PVCP	
MH3		RIM	9.91		LOC 18+36, 15.0' S. & PEARL AVE.
		INV. N.	3.23		
	39.0 Ft	INV. SE	3.22	8" PVCP	
MH4		RIM	9.81		LOC 18+73, 33.5' S. & PEARL AVE.
		INV. NW	3.21		- CONN TO EX. 8" VCP
		INV. S	3.19		



CONCRETE ENCASEMENT

NOT TO SCALE

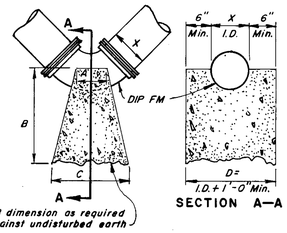


CLASS C BEDDING

NOT TO SCALE

NOTE:

1. All types of pipe bedding shall extend to undisturbed earth at the sides and bottom of the trench.
2. Sand and crushed stone pipe bedding shall be placed and compacted in accordance with the Specifications.
3. Depending upon the location, steel reinforcing bars may be necessary for use of concrete encasement. Contractor shall install reinforcing as directed by the Engineer.



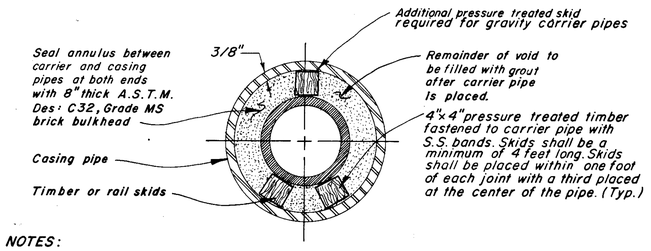
BLOCKING DIMENSIONS				
X	A	B *	C	D
90° Bend				
4"	4"	1'-4"	1'-4"	1'-4"
6"	6"	1'-6"	1'-6"	1'-6"
8"	8"	2'-0"	2'-0"	2'-0"
12"	10"	2'-6"	3'-6"	2'-5"
45° Bend				
4"	3"	1'-4"	1'-0"	1'-4"
6"	4"	1'-6"	1'-3"	1'-6"
8"	5"	1'-9"	1'-3"	1'-9"
12"	6"	2'-0"	2'-3"	2'-3"
22 1/2° Bend				
4"	3"	1'-4"	1'-0"	1'-4"
6"	4"	1'-6"	1'-0"	1'-6"
8"	4"	1'-6"	1'-0"	1'-8"
12"	6"	2'-0"	1'-6"	2'-0"
11 1/4° Bend				
4"	3"	1'-4"	1'-0"	1'-4"
6"	3"	1'-6"	1'-0"	1'-6"
8"	6"	2'-0"	1'-0"	1'-8"
12"	8"	2'-0"	1'-0"	2'-0"

THRUST BLOCK DETAIL

NOT TO SCALE

NOTES FOR PAYMENT:

1. Payment for additional crushed stone or class D concrete pipe bedding materials will be made only for pipe bedding not shown in the plans and ordered in writing by the Engineer.
2. Payment for surface restoration will be made for the actual quantities, as determined by the Engineer, of surface restored within the payment limits shown.
3. Payment for additional sand or crushed stone for trench stabilization, ordered in writing by the Engineer, will be made for the actual compacted volume as determined by the Engineer, of sand or crushed stone placed within the payment limits shown.
4. Contractor shall use all surplus sand, approved as suitable, from excavations in this Contract prior to supplying sand from other sources. Payment for additional sand will be made only for sand supplied from sources other than excavations in this Contract. See Specification for materials requirements.



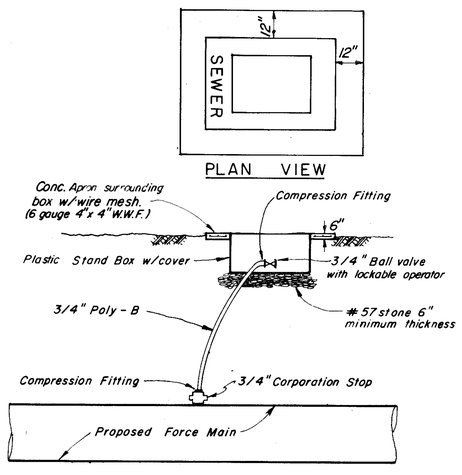
NOTES:

1. All casing pipes shall be welded steel pipe conforming to ASTM DES. A139 Grade B, ASTM DES. A53 Grade B or tongue and groove reinforced concrete pipe conforming to ASTM DES. C76, CLASS II.
2. Minimum diameter for manually excavated casing pipes shall be 36 inches.

CORRESPONDING CARRIER AND CASING PIPE SIZES																							
NOMINAL INSIDE DIAMETER OF CARRIER PIPE (INCHES)	4	6	8	10	12	14	15	16	18	20	21	24	27	30	36	42	48	54	60	66	72		
MINIMUM INSIDE DIAMETER OF CASING PIPE (INCHES)	12	18	20	24	30	30	30	30	36	36	36	48	48	60	60	66	78	84	90	96	102		

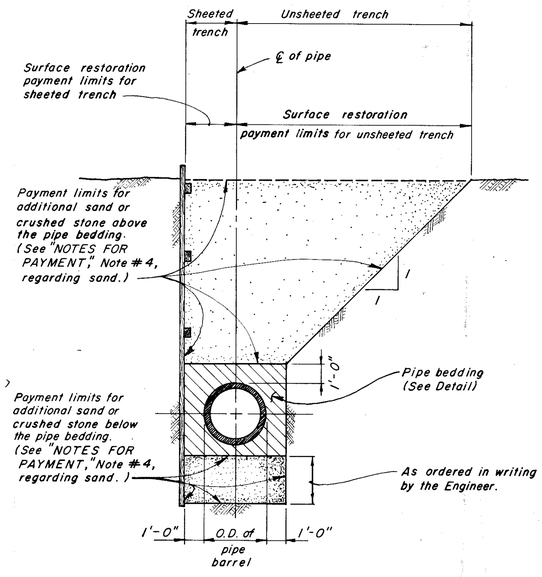
DETAIL OF JACKED CROSSINGS

NOT TO SCALE



AIR RELEASE VALVE DETAIL

NOT TO SCALE



PAYMENT LIMITS FOR SURFACE RESTORATION AND ADDITIONAL SAND OR CRUSHED STONE FOR TRENCH STABILIZATION

NOT TO SCALE

AS-BUILT

HENRY DORZBACK, P.E. # 39449
CHIEF ENGINEER
DEPARTMENT of SANITARY SEWERS

DES: J.P.W.
DRN: DEP/Elo.
CKD:
DATE:

APPROVED BY
RALPH L. METCALF II, P.E.
DIRECTOR
DEPARTMENT of SANITARY SEWERS

No	DATE	REVISIONS
1	1-90	REPLACED VALVE BOX DETAIL AND MODIFIED AIR RELEASE VALVE DETAIL
2	6-25-91	CHANGED CASING PIPE DIAMETER
3	5-14-97	AS-BUILT PER WSP'T
4		MARKED-UP PRINTS
5		

SCALE
50 0 50 100
1" = 50'

DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
RENEWAL & REPLACEMENT

SEWER IMPROVEMENTS

STANDARD FORCE MAIN DETAILS

BALLAST POINT P.S. REHAB. & F.M. DIVERSION

11

OF 14

C270.11

KAE 19-1253

NOTE: TEMPORARY WATER SERVICE MAY HAVE TO BE PROVIDED BY THE CONTRACTOR ON 10TH AVE. FROM 27TH STREET EASTWARD TO DEAD-END IF EXISTING 2" WATER MAIN IS REMOVED FROM SERVICE FOR CONSTRUCTION.

H-14

STA. 15+04 (17'LT.) CONST. STANDARD SAN. SEW. MANHOLE FL. 7.51 TOP EL. 12.5

STA. 14+56 (9'Lt.) CONST. INLET TYPE "E" FL. ~~5.15~~ 4.45 GRATE EL. ~~12.4~~ 12.05

CONST. 2"GATE VALVE, 2"P.V.C. W.M. AS REQD. CONST. 1½"x2" TAP & CONNECTION TO EXIST. 2" W.M.

STA. 10+25.86 END 10'X 5.25' CONC. BOX BEGIN SPECIAL TRANSITION INV. EL. (10'x5.25'BOX) 2.90

STA. 14+98 (19'Lt.) CONST. INLET TYPE "E" FL. ~~6.36~~ 5.92 GRATE EL. ~~12.6~~ 12.35

CONST. 30 L.F. OF 8" C.I.P. SAN. SEWER @ 0.23 %

267396

MATCH LINE STA 10+50 SEE SHEET 86

10TH ST.

CONST. 6" GATE VALVE

P.I. STA. 10+12.05

CONST. 32' OF 2-60" R.C.P.

CONST. 10' OF 15" R.C.P. @ ~~1.09%~~

Survey ℄

CONST. 63 L.F. OF 8" V.C.P. SAN. SEW. @ 0.46 %

MATCH LINE STA. 14+00 SEE SHEET 84

CONST. 6' OF 15" R.C.P. @ 1.0%

CONST. 62' OF 15" R.C.P.

Exist. R/W Line

CONST. 6" D.I.P. WATER MAIN

CONST. 6" GATE VALVE

CONST. 6"x6" TEE

267394

REMOVE EXIST. SAN. SEW. MH.

8"Conc. Sewer

8"Vit. Cl. Pipe

27TH

40'

P.I. STA. 14+83.95 - 10TH AVENUE = STA. 10+00.00 - 27TH STREET

CONST. 10' OF 15" R.C.P. @ ~~1.09%~~

Exist. R/W Line

STA. 15+07.73 END SPECIAL TRANSITION SECTION BEGIN 12'x 6.25' CONC. BOX

CONST. 12'x 6.25' CONC. BOX

AVENUE

STA. 17+77 (17'LT.) CONST. STANDARD SAN. SEW. MANHOLE FL. 8.14 TOP EL. 12.9

EXIST. 2" WATER MAIN (EXACT LOCATION UNKNOWN)

STA. 17+86.5 (24'Rt.) MEET EXISTING 12'X6.25' CONC. BOX

P.I. STA. 17+69.50

2-69 KV Teco Cables

CONST. 23 L.F. OF 8" V.C.P. SAN. SEW. @ 0.23 %.

STA. 17+95 (1'RT.) CONST. STANDARD SAN. SEW. MANHOLE EXIST. 8" INV. (E) 8.20 (VERIFY) FL. 8.20 (VERIFY) TOP EL. 12.8

16' Asphalt Pav't.

Survey ℄

REMOVE EXIST. 8" SAN. SEW.

REMOVE EXIST. SAN. SEW. M.H.

8" Block Bulkhead To Be Removed

STA. 15+12 (7'RT.) CONST MH RISER FL. 1.84 TOP EL. 12.6

P.I. STA. 15+01.00

CONST. 20 L.F. OF 8" V.C.P. SAN. SEW. @ 0.23%

267395

STA. 15+04 (13'RT.) CONST. STANDARD SAN. SEW. MANHOLE FL. 7.44 TOP EL. 12.5

NOTE: ℄ CONSTRUCTION OF 12'x 6.25' CONCRETE BOX STA 15+01.00 to STA. 17+65.5 IS 5.0 FEET SOUTH OF SURVEY ℄.

CONST. 273 L.F. OF 8" V.C.P. SAN. SEW @ 0.23 %

STA. 14+54 (12'Rt.) CONST. INLET TYPE "E" FL. ~~5.15~~ 4.73 GRATE EL. ~~12.3~~ 11.80

STA. 14+63 (4'RT.) CONST. MANHOLE TYPE "J-7T" (16'x4') 15" INV. (NW) ~~5.03~~ 4.59 15" INV. (W) ~~5.05~~ 4.52 18" INV. ~~3.08~~ 3.33 FL. - 2-60" INV. ~~2.57~~ 2.54 TOP EL. ~~12.6~~ 12.16

STA. 14+97 (EXT.) (15'RT.) CONST. STANDARD SAN. SEW. MANHOLE 8" INV. (N) 8.32 FL. 8.32 TOP EL. 12.4

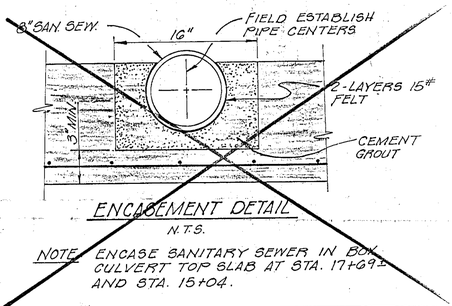
STA. 14+98 (18'RT.) CONST. INLET TYPE "E" FL. ~~5.18~~ 5.61 GRATE EL. ~~11.6~~ 11.55

STA. 14+84 (13'RT.) CONST. STANDARD SAN. SEW. MANHOLE 8" INV. (W) 8.24 8" INV. (E) 7.38

EXIST. 8" FL. 7.38 (VERIFY). TOP EL. 12.6

CONST. 16 L.F. OF 8" V.C.P. SAN. SEW. @ 0.50 %

Cluster Cabbage Palms; 24" Cabbage Palm; 14" Cabbage Palm; 15" Cabbage Palm; Gas Valve; W.V.; 14" Cabbage Palm; 8" Palm; 24" Oak; W.M.; 36" Oak; Palm; Guy Anchor; P.P./Light; San. S. Manhole; P.P. #2705 14" Cabbage Palm; 10" Oak; W.M.; W.M.; P.P.; W.M.; Guy Anchor; Guy Anchor; Guy Anchor; San. Sew. Manhole; Storm Sewer Manhole



ENCASEMENT DETAIL
N.T.S.

NOTE: ENCASE SANITARY SEWER IN BOX CULVERT TOP SLAB AT STA. 17+69.5 AND STA. 15+04.

B.M. #8-21 RR Spike in P.P. S.W. Cor. 15th Avenue & 25th Street. EL. 38.81

100' V.C.

STA. 14+50 EL. 12.69

EL. 12.68

STA. 15+01 EL. 12.94

PROPOSED GRADE LINE

PVI STA. 16+50 EL. 13.74

EL. 13.56

Survey ℄ Profile

(+) 0.80

(-) 0.31%

(-) 0.60%

MATCH EXIST. PAVEMENT STA. 18+00

MATCH LINE STA. 14+00

STA. 15+00

2-69 KV TECO CABLES (6" DIA.±)

STA. 16+00 EL. 13.34

100' V.C.

STA. 17+00 EL. 13.44

78" R.C.P. @ 0.42%

15" R.C.P. (NE) INV. ~~6.20~~

8" BLOCK BULKHEAD TO BE REMOVED

EXISTING 12'x 6.25' CONC. BOX

15" R.C.P. (SW) INV. ~~5.00~~

CONST. 12'x 6.25' CONC. BOX @ 0.20%

INV. ~~3.34~~

2-60" R.C.P. @ 0.55%

2-78"x 5.25" CONC. BOX

INV. (2-60" R.C.P.-W) ~~2.98~~

INV. 7.28

STA. 14+97 (EXT.) (15'RT.) 8" INV. (N) 8.32 FL. 8.32 TOP EL. 12.4

STA. 14+23 (4'RT.) 15" INV. (NW) ~~5.03~~ 4.59 15" INV. (S) ~~5.05~~ 4.52 18" INV. ~~3.08~~ 3.33 FL. 2-60" INV. ~~2.57~~ 2.54 10'-3.25' BOX INV. ~~2.60~~ (W)

STA. 15+01 15" INV. (SW) 5.00

STA. 14+84 (13'RT.) 8" INV. (W) 8.24 8" INV. (E) 7.38 EXIST. 8" FL. 7.38

STA. 15+04 (17'LT.) 8" INV. (E) 7.51 FL. 7.51

STA. 15+04 (13'RT.) 8" INV. (N) 7.44 FL. 7.44

STA. 17+77 (17'LT.) 8" INV. (SE) 8.14 FL. 8.14

STA. 17+95 (1'RT.) EXIST. 8" INV. (E) 8.20 FL. 8.20

15 16 17 18

Note: The pipes in profile may not be drawn at the correct elevation. Check the as-built invert elevation figures.

AS-BUILT
REVIEWED BY [illegible] DATE 1-29-85

No.	Date	REVISION	By
A	7-24-84	As-Built	MJ Lear
G	7/25/78	Moved Storm Sewer 4' South	M.F.F.
5	6/30/78	Added Water & Sanitary Line Offsets	S.M.
4	2-28-78	Revise Elev. on San. Sew. M.H.	A.O.T.F.
3	1/27/78	Added San. Sew. encasement	C.M.S.
2	1-12-78	Sanitary Sewer Construction Added	D.D.T.W.
1	10/28/77	WATER MAIN CONST.	T.A.C.

DIAZ, SECKINGER & ASSOCIATES, INC. ENGINEERS • PLANNERS TAMPA, FLORIDA

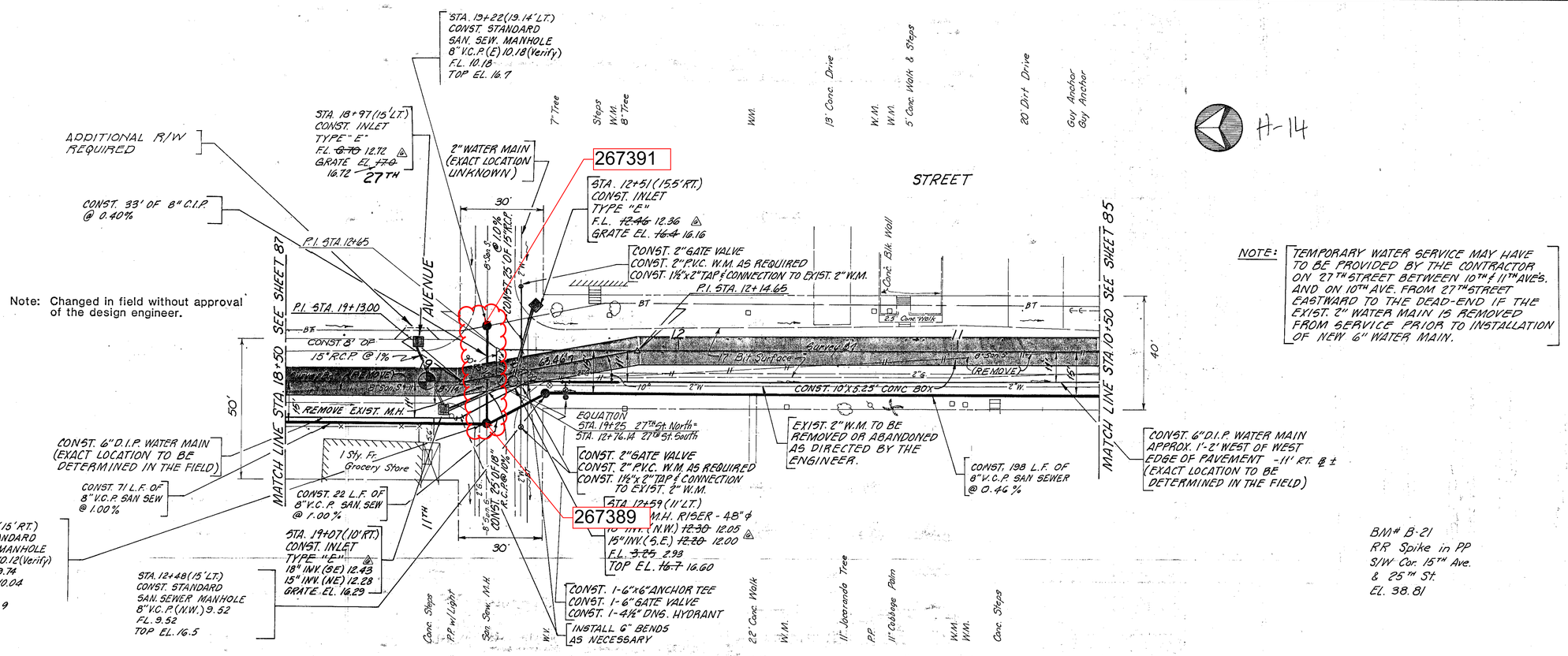
PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA

WESTERN BRANCH STORM SEWERS
CONTRACT NO. 1
C.I.P. NO. 9017 C.D. NO. (668-876)

Designed: R.T.F. Date: 8-77 | Drawn: S.L.A. Date: 8-77 | Checked: R.T.F. Date: 9-11
Reviewed: D.D.K. Date: 9-77 | Approved: D.D.K. Date: 10-77 | Scale: 1"=20' Horz. 1"=2' Vert.
FIELD BOOK: 1977-40 A,B,C,D,E,F, 1984-16
FILE NO. A-7-13 D SHEET 85 of 121

304-35

CITY BLUEPRINT CO., INC. N2067


STA. 19+22 (19.14' LT.)
CONST. STANDARD SAN. SEW. MANHOLE
8" V.C.P. (E) 10.18 (Verify)
F.L. 10.18
TOP EL. 16.7
STA. 18+97 (15' LT.)
CONST. INLET TYPE "E"
F.L. ~~6.70~~ 12.72
GRATE EL. ~~17.0~~ 16.72
27TH
ADDITIONAL R/W REQUIRED
CONST. 33' OF 8" C.I.P. @ 0.40%
2" WATER MAIN (EXACT LOCATION UNKNOWN)
267391
STA. 12+51 (15.5' RT.)
CONST. INLET TYPE "E"
F.L. ~~12.46~~ 12.36
GRATE EL. ~~16.4~~ 16.16
CONST. 2" GATE VALVE
CONST. 2" P.V.C. W.M. AS REQUIRED
CONST. 1½"x2" TAP & CONNECTION TO EXIST. 2" W.M.
P.I. STA. 12+14.65
P.I. STA. 12+65
P.I. STA. 19+13.00
CONST. 8" DIP.
15" R.C.P. @ 1%
REMOVE EXIST. M.H.
CONST. 6" D.I.P. WATER MAIN (EXACT LOCATION TO BE DETERMINED IN THE FIELD)
CONST. 71 L.F. OF 8" V.C.P. SAN SEW @ 1.00%
CONST. 22 L.F. OF 8" V.C.P. SAN. SEW @ 1.00%
STA. 19+07 (10' RT.)
CONST. INLET TYPE "E"
18" INV. (SE) 12.43
15" INV. (NE) 12.28
GRATE EL. 16.29
STA. 19+22 (15' LT.)
CONST. STANDARD SAN. SEWER MANHOLE
8" V.C.P. (W) 10.12 (Verify)
8" V.C.P. (N) 9.74
8" C.I.P. (E) 10.04
F.L. 9.74
TOP EL. 16.9
STA. 12+48 (15' LT.)
CONST. STANDARD SAN. SEWER MANHOLE
8" V.C.P. (N.W.) 9.52
F.L. 9.52
TOP EL. 16.5
EQUATION
STA. 19+25 27TH St. North = STA. 12+76.14 27TH St. South
CONST. 2" GATE VALVE
CONST. 2" P.V.C. W.M. AS REQUIRED
CONST. 1½"x2" TAP & CONNECTION TO EXIST. 2" W.M.
267389
STA. 12+59 (11' LT.)
M.H. RISER - 48" ϕ
15" INV. (N.W.) ~~12.30~~ 12.05
15" INV. (S.E.) ~~12.20~~ 12.00
F.L. ~~3.25~~ 2.93
TOP EL. ~~16.7~~ 16.60
CONST. 1-6"x6" ANCHOR TEE
CONST. 1-6" GATE VALVE
CONST. 1-4½" DNG. HYDRANT
INSTALL 6" BENDS AS NECESSARY
EXIST. 2" W.M. TO BE REMOVED OR ABANDONED AS DIRECTED BY THE ENGINEER.
CONST. 198 L.F. OF 8" V.C.P. SAN SEWER @ 0.46 %
CONST. 6" D.I.P. WATER MAIN APPROX. 1'-2' WEST OF WEST EDGE OF PAVEMENT -11' RT. ℄ ± (EXACT LOCATION TO BE DETERMINED IN THE FIELD)
NOTE: TEMPORARY WATER SERVICE MAY HAVE TO BE PROVIDED BY THE CONTRACTOR ON 27TH STREET BETWEEN 10TH & 11TH AVES. AND ON 10TH AVE. FROM 27TH STREET EASTWARD TO THE DEAD-END IF THE EXIST. 2" WATER MAIN IS REMOVED FROM SERVICE PRIOR TO INSTALLATION OF NEW 6" WATER MAIN.
Note: Changed in field without approval of the design engineer.
BM# B-21
RR Spike in PP
S/W Cor. 15TH Ave. & 25TH St.
EL. 38.81
H-14
STREET
AVENUE
MATCH LINE STA. 18+50 SEE SHEET 87
MATCH LINE STA. 10+50 SEE SHEET 85
1 Sty. Fr. Grocery Store
Survey ℄
17' Bit. Surface
2.5' Conc. Walk
Conc. Blk. Wall
Conc. Steps
P.P. w/ Light
San. Sew. M.H.
W.V.
22' Conc. Walk
W.M.
11" Jacaranda Tree
P.P.
11" Cabbage Palm
W.M.
W.M.
Conc. Steps
7" Tree
Steps
W.M.
8" Tree
W.M.
13' Conc. Drive
W.M.
W.M.
5' Conc. Walk & Steps
20' Dirt Drive
Guy Anchor
Guy Anchor
PROFILE
P.V.I. STA. 19+25 EL. 16.81
P.V.I. STA. 12+65 EL. 16.70
P.V.I. STA. 11+65 EL. 15.14
PROPOSED PROFILE GRADE
(-) 1.56%
(-) 1.0%
(-) 1.56%
(-) 1.77%
Survey ℄ Profile
15" R.C.P. (N.W. & S.E.)
8" INV. (W) 10.45
~~15" INV. (E) EL. 6.50~~
~~INV. 3.38~~
10' x 5.25' CONC. BOX @ 0.15%
8" V.C.P. SAN. SEWER 15' WEST OF SURVEY ℄
INV. 2.95
8" INV. (W) 8.61
STA. 12+59 (11' LT.) ~~15" INV. (N.W.) 12.30~~ 12.05 ~~15" INV. (S.E.) 12.20~~ 12.00 ~~F.L. 3.25~~ 2.93 18" INV. (NW) 12.05
STA. 12+48 (9' LT.) (N.W.) 9.52 8" V.C.P. F.L. 9.52
STA. 19+22 (13.14' LT.) 8" V.C.P. (E) F.L. 10.18 (Verify)
STA. 19+00 (11' LT.) 15" INV. (E) 6.50
STA. 19+22 (15' RT.) 8" V.C.P. (W) 10.12 (Verify) 8" V.C.P. (N) 9.74 8" C.I.P. (E) 10.04 F.L. 9.74
Note: The pipes in profile may not be drawn at the correct elevation. Check the as-built invert elevation figures.
AS-BUILT
REVIEWED BY ... DATE 1-25-85
PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA
WESTERN BRANCH STORM SEWERS
CONTRACT NO. 1
C.I.P. NO. 9017
C.D. NO. (668-876)
6 7-24-84 As-Built SJH
5 7/25/78 Removed 8" San. Sewer East of ℄ SJH
4 6/30/78 Added Water & Sanitary Line Offsets SJH
3 1-27-78 Relocated Inlet @ Sta. 18+97 SJS
2 1-12-79 Sanitary Sewer Construction Added DJT/JH
1 12/28/77 WATER MAIN CONST. TAC
No. Date REVISION By
DIAZ. SECKINGER & ASSOCIATES, INC. ENGINEERS • PLANNERS TAMPA, FLORIDA
Designed: RTF Date: 8/77 Drawn: SLA Date: 9/77 Checked: RTF Date: 9/77
Reviewed: ADK Date: 9/77 Approved: ADK Date: 10/77 Scale: 1"=20' Horz. 1"=4' Vert.
FIELD BOOK: 1977-40 A, B, C, D, E, F, 1984-18
FILE NO. A-7-13D SHEET 86 of 121
304-36

H-14

STA. 16+98 (12' LT.)
CONST. STD. SAN. SEW.
MANHOLE. 8" INV. (E) 12.06 (Verify)
FL. 12.06
TOP EL. 20.1

STA. 16+98 (15' RT) - CONST. STD. SAN. SEW. M.H.
8" INV. (N) 12.23 (Verify)
8" INV. (E) 11.97
8" INV. (W) 11.43 (Verify)
FL. 11.97
TOP EL. 20.2

24" Cabbage Palm

10' Dirt Drive

20' Cabbage Palm

27TH AVENUE

STREET

STA. 16+90 (21' RT.)
CONST. INLET
TYPE "E"
F.L. ~~15.94~~ 15.85 Δ
GRATE EL. ~~20.3~~ 20.07

STA. 17+14 (21' RT.)
CONST. INLET
TYPE "E"
15" INV. (IN) ~~15.79~~ 16.29
F.L. ~~15.45~~ 14.96
GRATE EL. ~~19.7~~ 19.49

267808

CONST. 25' OF 8" C.I.P. @ 0.40%

P.I. STA. 15+70 (25' RT)
INV. 3.80

P.I. STA. 16+63.31 (on ℄)
INV. 3.65

SURVEY ℄

B-115

CONST. 10'x5.25' CONC. BOX

℄ CONSTRUCTION

CONST. 6"-11¼° BEND

REMOVE EXIST. M.H.

REMOVE 8" SAN. M.H.

CONST. 22' OF 18" R.C.P. @ 0.50%

CONST. 152 L.F. OF 8" V.C.P. SAN. SEW. @ 1.00%

CONST. 22' OF 18" R.C.P. @ ~~1.25~~

267734

1 Sty. Fr. Res.

STA. 17+14 (3' LT.)
CONST. MH RISER - 4.8' ℄
18" INV. ~~(E) 15.33~~ (W) 14.59
F.L. ~~3.57~~ 3.25
TOP EL. ~~20.1~~ 19.87

CONST. 12' OF 8" C.I.P. - CONNECT TO EXIST. 8" SAN. SEWER

CONST. 6"x6" CROSS
3-6" GATE VALVES
(This assembly is to be installed as a unit. Existing 6" W.M. is to be cut, the assembly installed & Service restored as quickly as possible.)

MATCH LINE STA. 15+00 SEE SHT. 88

MATCH LINE STA. 18+50 SEE SHT. 86

CONST. 6" D.I.P. WATER MAIN (Exact Location to be determined in the field.)

CITY PROPERTY
O.R. Book No. 3235
Pg. 955

CONST. 6" D.I.P. WATER MAIN (Exact Location to be determined in the field.)

FOR BEND DETAILS SEE SHT. 103

BM# B-21
RR Spike in PP
S/W. Cor. 15th St. & 25th Ave.
EL. 38.81

PP
Guy Anchor
11" Mulberry
PP
14" Cabbage Palm
14" Cabbage Palm
5' Citrus Tree
PP w/light
San. Sew. M.H.
6' Tree
9' Pepper Tree
7' Palm
5' Tree
Steps
Guy Anchor
Guy Anchor
4' Brick Wall
6' Crape Myrtle
18" Cabbage Palm
7' Jerusalem Thorn

MATCH EXIST. PVMT. STA. 16+90

P.V.I. STA. 17+01
EL. 20.30

-1.56 %

+3.60%

6"W

18" R.C.P. (E)

8" San S

8" INV. (W) 10.45

8" V.C.P. SAN. SEWER 15' W OF SURVEY ℄

CONST. 10'x5.25' CONC. BOX @ ~~0.16~~ %

CONST. 10'x5.25' CONC. BOX @ 0.15%

INV. ~~3.42~~

INV. 3.38

P.I. STA. 15+70 (25' RT.)
FL. 3.80

P.I. STA. 16+63.31 (on ℄)
FL. 3.65

STA. 16+98 (12' LT.)
8" INV. (E) 12.06 (Verify)
FL. 12.06

STA. 16+98 (15' RT.)
8" INV. (N) 12.23 (Verify)
8" INV. (E) 11.97
8" INV. (W) 11.43 (Verify)
FL. 11.97

STA. 17+14 (3' LT.)
MH RISER
18" INV. (E) ~~15.33~~ 14.59
F.L. ~~3.57~~ 3.25

Note: The pipes in profile may not be drawn at the correct elevation. Check the as-built invert elevation figures.

16

17

18

AS-BUILT
REVIEWED BY [illegible] DATE 1-29-85

No.	Date	REVISION	By
Δ	7-24-84	As-Built	AJ/GM
5	7/25/78	Removed 8" San Sew. East of ℄	S.J.H.
4	6/30/78	Added Water & Sanitary Offsets	S.J.H.
3	2-6-78	Realignment of 10'x5.25' Conc. Box	C.A.B.
2	1-12-78	Sanitary Sewer Construction Added	D.J.T/P.
1	12/20/77	WATER MAIN CONST.	S.L.A.

DSI ENGINEERS • PLANNERS
DIAZ, SECKINGER & ASSOCIATES, INC.
TAMPA, FLORIDA

PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA

WESTERN BRANCH STORM SEWERS
CONTRACT NO. I

C.I.P. NO. 9017 C.D. NO. (668-876)

Designed: R.T.F. Date: 8-77	Drawn: S.L.A. Date: 8-77	Checked: R.T.F. Date: 9-77	
Reviewed: D.D.K. Date: 9-77	Approved: D.D.K. Date: 10-77	Scale: 1"=20' Horiz., 1"=2' Vert.	
FIELD BOOK: 1977 - 40 A, B, C, D, E, F, 1984-16			

FILE NO. A-7-13D SHEET 87 of 121

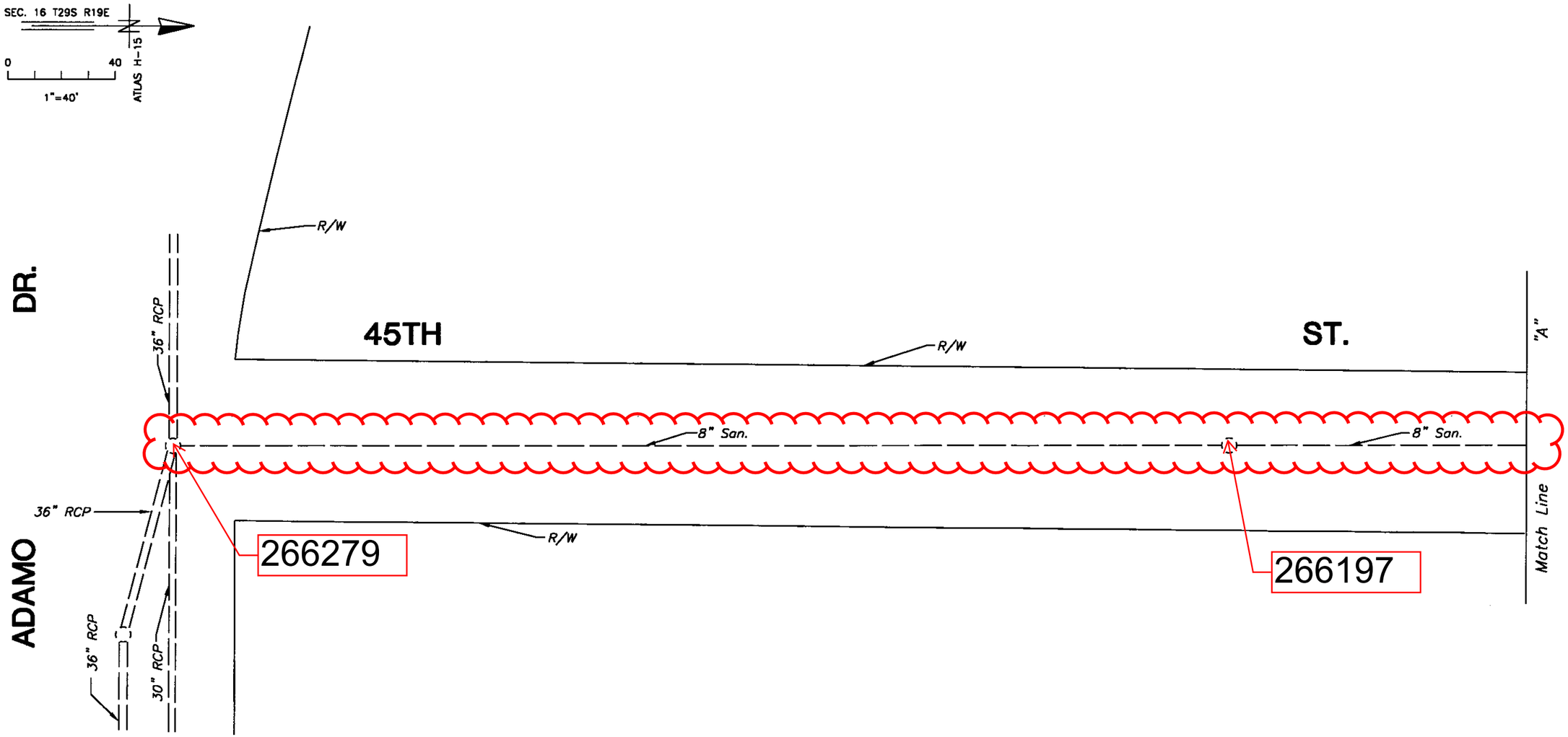
81
58

304-37

304-37

CITY BLUEPRINT CO., INC. N3671

B4-10



PLAN

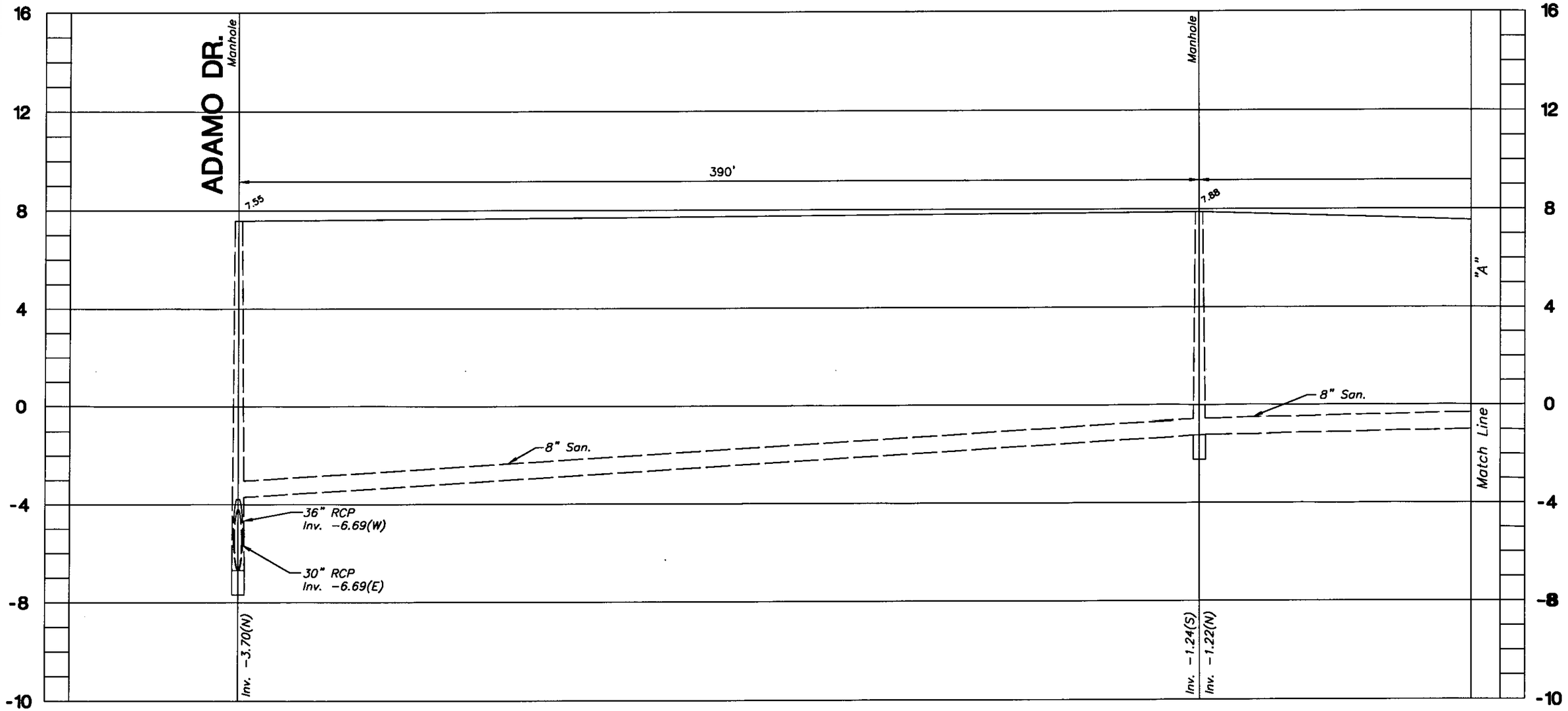
THIS IS AN AS-BUILT SURVEY DRAWING. IT IS FOR INFORMATION AND RECORDS ONLY.

B4-10

C:\R13\DWG\PIPE\45TH 1=40 STATION #3

HENRY DORZBACK, P.E. #39449 CHIEF ENGINEER DEPARTMENT OF SANITARY SEWERS	RALPH L. METCALF II, P.E. DIRECTOR DEPARTMENT OF SANITARY SEWERS	DES: DRN: W.A. CKD: DATE:	No.	DATE	REVISIONS	CITY of TAMPA DEPARTMENT OF SANITARY SEWERS	45TH ST./ACLINE ST.	W.O. SHEET 1 OF 6
			1					
			2					
			3					

B4-11



C:\R13\DWG\PIPE\45TH 1=40 STATION #3

PROFILE

1"=40' Horiz.
1"=4' Vert.

THIS IS AN AS-BUILT SURVEY DRAWING - IT IS FOR INFORMATION AND RECORDS ONLY.

B4-11

HENRY DORZBACK, P.E. #39449 CHIEF ENGINEER DEPARTMENT OF SANITARY SEWERS	RALPH L. METCALF II, P.E. DIRECTOR DEPARTMENT OF SANITARY SEWERS	DES: DRN: W.A. CKD: DATE:	No. / DATE / REVISIONS 1 2 3	CITY of TAMPA DEPARTMENT OF SANITARY SEWERS	45TH ST./ACLINE ST.	W.O. SHEET 2 OF 6

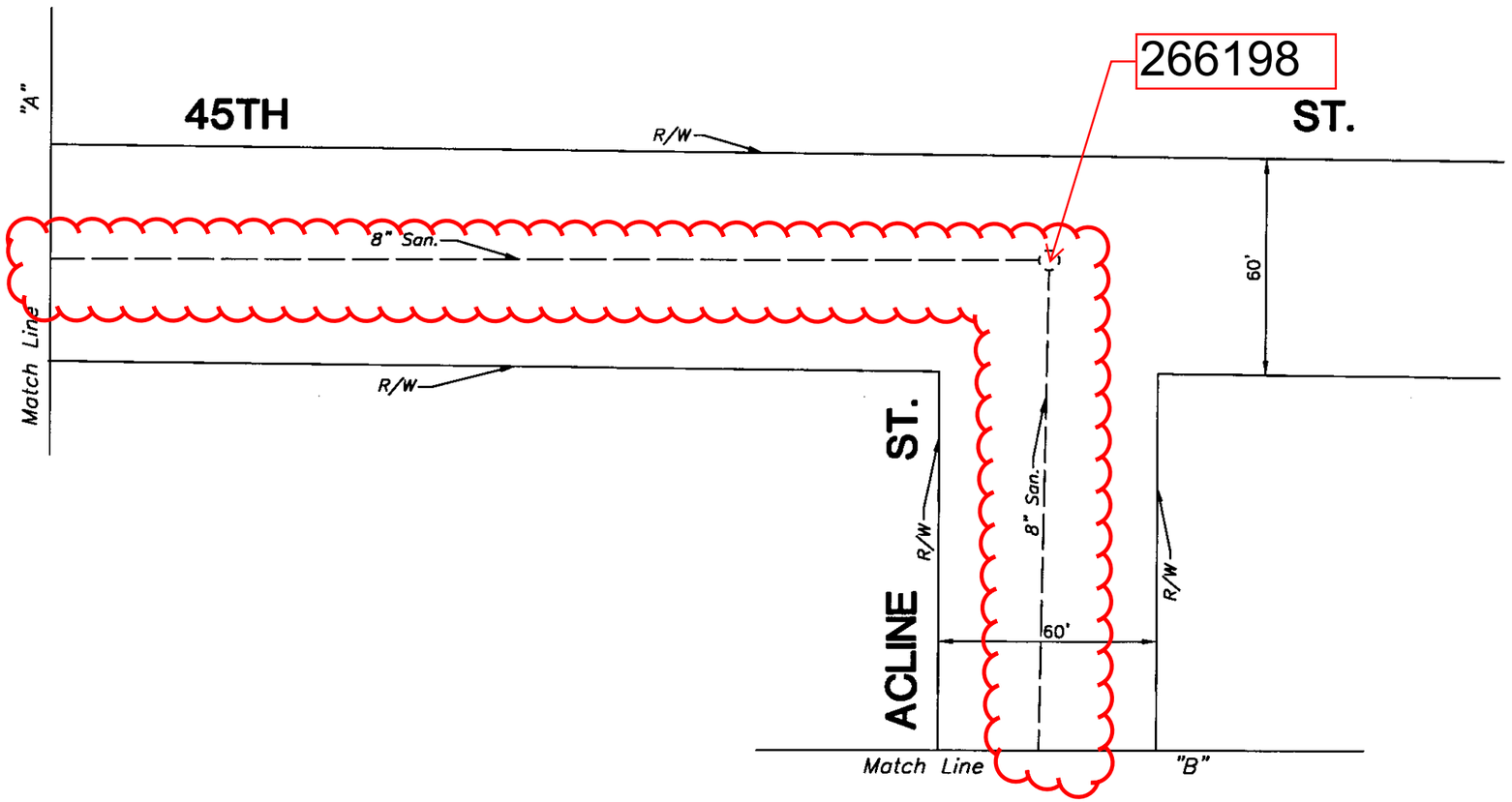
B4-12

SEC. 16 T29S R19E

0 40

1"=40'

ATLAS H-15



PLAN

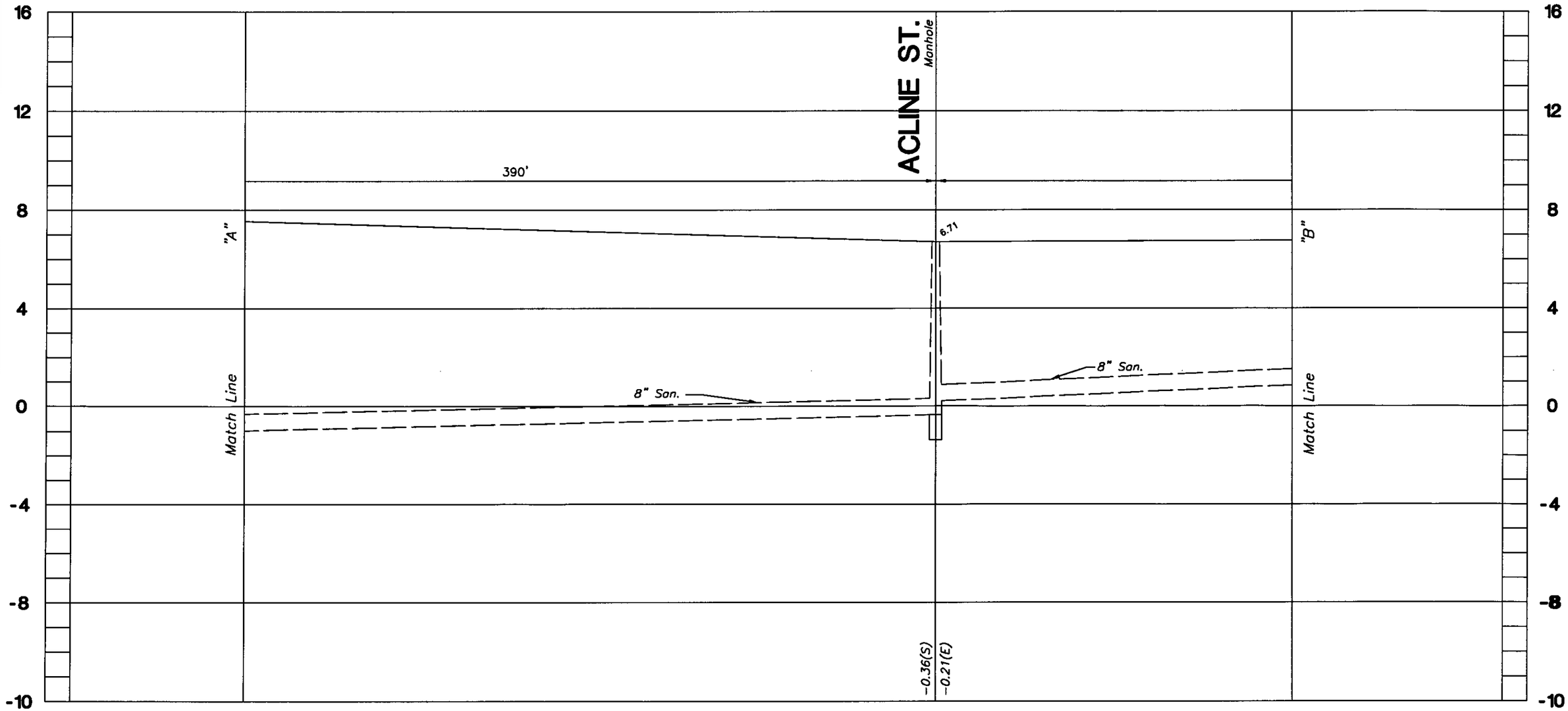
THIS IS AN AS-BUILT SURVEY DRAWING. IT IS FOR INFORMATION AND RECORDS ONLY.

B4-12

C:\R13\DWG\PIPE\45TH 1=40 STATION #3

HENRY DORZBACK, P.E. #39449 CHIEF ENGINEER DEPARTMENT OF SANITARY SEWERS	RALPH L. METCALF II, P.E. DIRECTOR DEPARTMENT OF SANITARY SEWERS	DES: DRN: W.A. CKD: DATE:	No.	DATE	REVISIONS	CITY of TAMPA DEPARTMENT OF SANITARY SEWERS	W.O. SHEET 3 OF 8
			1			45TH ST./ACLINE ST.	
			2				
			3				

B4-13



PROFILE

1"=40' Horiz.
1"=4' Vert.

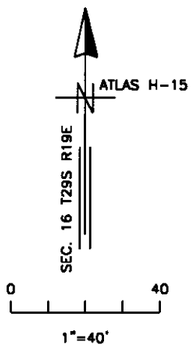
THIS IS AN AS-BUILT SURVEY DRAWING. IT IS FOR INFORMATION AND RECORDS ONLY.

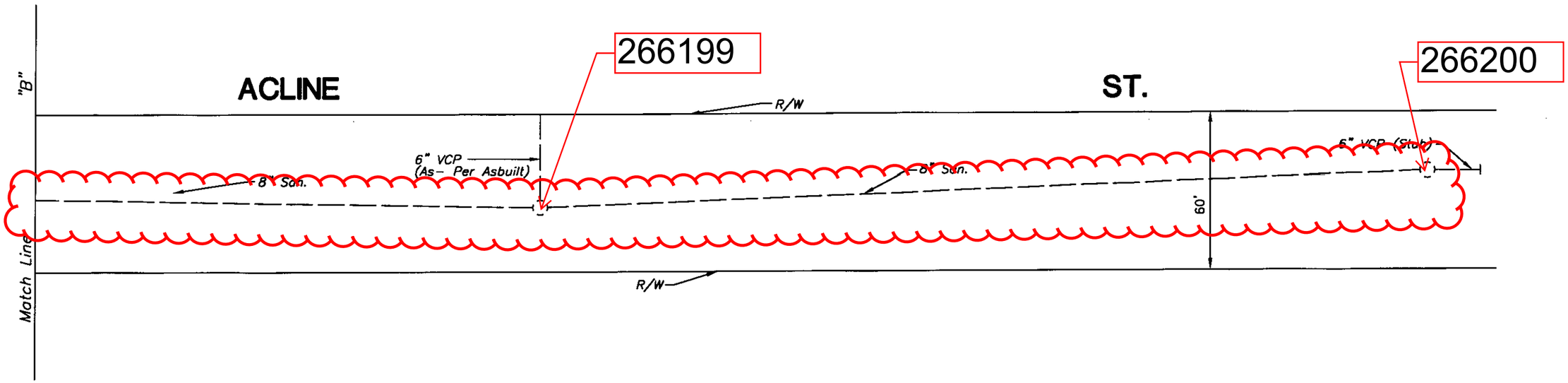
B4-13

C:\R13\DWG\PIPE\45TH 1=40 STATION #3

HENRY DORZBACK, P.E. #39449 CHIEF ENGINEER DEPARTMENT OF SANITARY SEWERS	RALPH L. METCALF II, P.E. DIRECTOR DEPARTMENT OF SANITARY SEWERS	DES: DRN: W.A. CKD: DATE:	No.	DATE	REVISIONS	CITY of TAMPA DEPARTMENT OF SANITARY SEWERS
			1			45TH ST./ACLINE ST.
			2			W.O. SHEET 4 OF 6
			3			

B4-14





PLAN

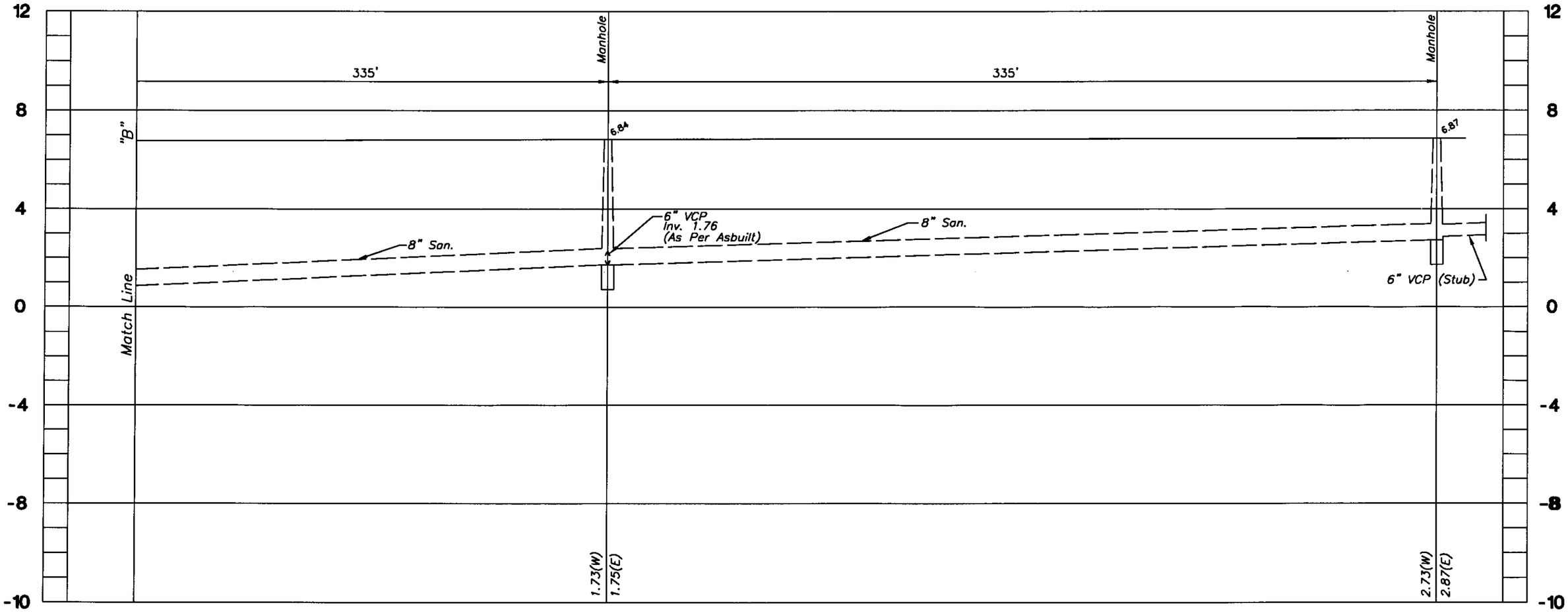
THIS IS AN AS-BUILT SURVEY DRAWING. IT IS FOR INFORMATION AND RECORDS ONLY.

B4-14

C:\R13\DWG\PIPE\45TH 1=40 STATION #3

HENRY DORZBACK, P.E. #39449 CHIEF ENGINEER DEPARTMENT OF SANITARY SEWERS	RALPH L. METCALF II, P.E. DIRECTOR DEPARTMENT OF SANITARY SEWERS	DES: DRN: W.A. CKD: DATE:	No.	DATE	REVISIONS	CITY of TAMPA DEPARTMENT OF SANITARY SEWERS	45TH ST./ACLINE ST.	W.O. SHEET 5 OF 6
			1					
			2					
			3					

B4-15



PROFILE

1"=40' Horiz.
1"=4' Vert.

THIS IS AN AS-BUILT SURVEY DRAWING. IT IS FOR INFORMATION AND RECORDS ONLY.

B4-15

C:\R13\DWG\PIPE\45TH 1=40 STATION #3

HENRY DORZBACK, P.E. #39449
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

RALPH L. METCALF II, P.E.
DIRECTOR
DEPARTMENT OF SANITARY SEWERS

DES:
DRN: W.A.
CKD:
DATE:

No.	DATE	REVISIONS
1		
2		
3		

CITY of TAMPA
DEPARTMENT OF SANITARY SEWERS

45TH ST./ACLINE ST.

W.O.
SHEET 6 OF 6

B37-38

SEC 19 T28S R19E

C-13

0 40

1"=40'

ORANGE TERRACE
BLK 10

15TH ST

ST

12 11 10 9 8 6 5 4

TECO Transformer Substation 1426 Yukon

R/W

261722

PROP SHALLOW TYPE MANHOLE & HORIZ PI (Δ = 1°06'42", LT) @ STA 11+77

4" PVC Inv El 36.75

+28'

8708

+100'

+133'

No Access

8712

+209'

Slab El 39.10

8714

+221'

Slab El 39.45

8716

+284'

4" PVC Inv El 37.75

8718

STA 15+00

6' Chainlink

4' Chainlink

8" Water

Verizon

PROP 8" PVCP

BASELINE E

+40.34
25.96'

52'

10 11 12 13 14

12"x18" RCP

15" RCP

36" RCP

4" FM

24" DIP Force Main

24"x38" RCP

8" Water

24"

15"

24

STA 10+46.24, 2.54' LT
CONNECT TO EX MANHOLE
WITH FLEXIBLE CONNECTOR

8701
SERVED
OFF
YUKON

YUKON

ESKIMO ST

6" Water

24"/24"x38" RCP

+17.01
24.8'

8" Water

6' Chainlink

4" FM
(To Be Abandoned)

+71'

1931735

1 2 3

Apartment Complex

MATCH LINE

RIDGELAND RANCH SUB
REV MAP OF LOTS 1, 2 & 3

OAK SPRINGS SUB

PLAN

pipe\orange terrace\plan & profile

No.	DATE	REVISIONS	No.	DATE	REVISIONS
3			6		
2			5		
1			4		

DES: JPW
DRN: BK
CKD: AHL
DATE: 7/22/04

CITY of TAMPA
WASTEWATER DEPARTMENT

ORANGE TERRACE SEWER EXTENSION
15TH STREET
YUKON ST TO STA 15+00

W.O. 5242
SHEET 17

B37-39

CLASS "C" BEDDING

PROP 454' OF 8" PVCP @ 0' – 6' CUT

YUKON ST

ESKIMO ST

Sanitary Manhole

Stormwater Manhole

Stormwater Manhole

Sanitary Manhole

Stormwater Manhole

PROP SHALLOW TYPE MANHOLE

STA 15+00

44

40

36

32

28

24

20

36.74 36.64 36.58 36.58 36.60 36.67 36.61 36.82 36.68 36.89 37.21 37.53

Verizon(AL)

15" RCP Inv El 32.4

6" Water (AL)

8" Water

8" Water

4" DIP FM (Rt) (To Be Abandoned)

24" DIP FM

8" VCP

2'-8" Stub

36" RCP

8" VCP Inv El 29.96 (E&W)

36"x60" RCP

PROP 131' OF 8" PVCP @ 0.30%

REMOVE EX PLUG & CONNECT PROP 8" PVCP W/FLEXIBLE CONNECTOR

PROP 2' OF 8" PVCP STUB W/WATERTIGHT PLUG. INV EL 30.94(E)

CENTER 19' OF 8", C900, CL150, GREEN PVCP UNDER 15" RCP. CONNECT TO SDR-35 PVCP WITH RIGID CONNECTORS.

PROP 323' OF 8" PVCP @ 0.30%

+15.87 Inv El 30.24(N&S)

Inv El 30.47(S) +46.24

INV EL 30.47(N) 35.47

4" FM Inv El 30.77

+77 INV EL 30.86(S)

INV EL 30.88(N)

MATCH LINE

10 11 12 BASELINE E 13 14 15

PROFILE

No.	DATE	REVISIONS	No.	DATE	REVISIONS
3			6		
2			5		
1			4		

DES: JPW
DRN: BK
CKD: AH
DATE: 7/22/04

CITY of TAMPA
WASTEWATER DEPARTMENT

ORANGE TERRACE SEWER EXTENSION
15TH STREET
YUKON ST TO STA 15+00

W.O. 5242
SHEET 18

pipe\orange terrace\plan & profile 40

B089-366

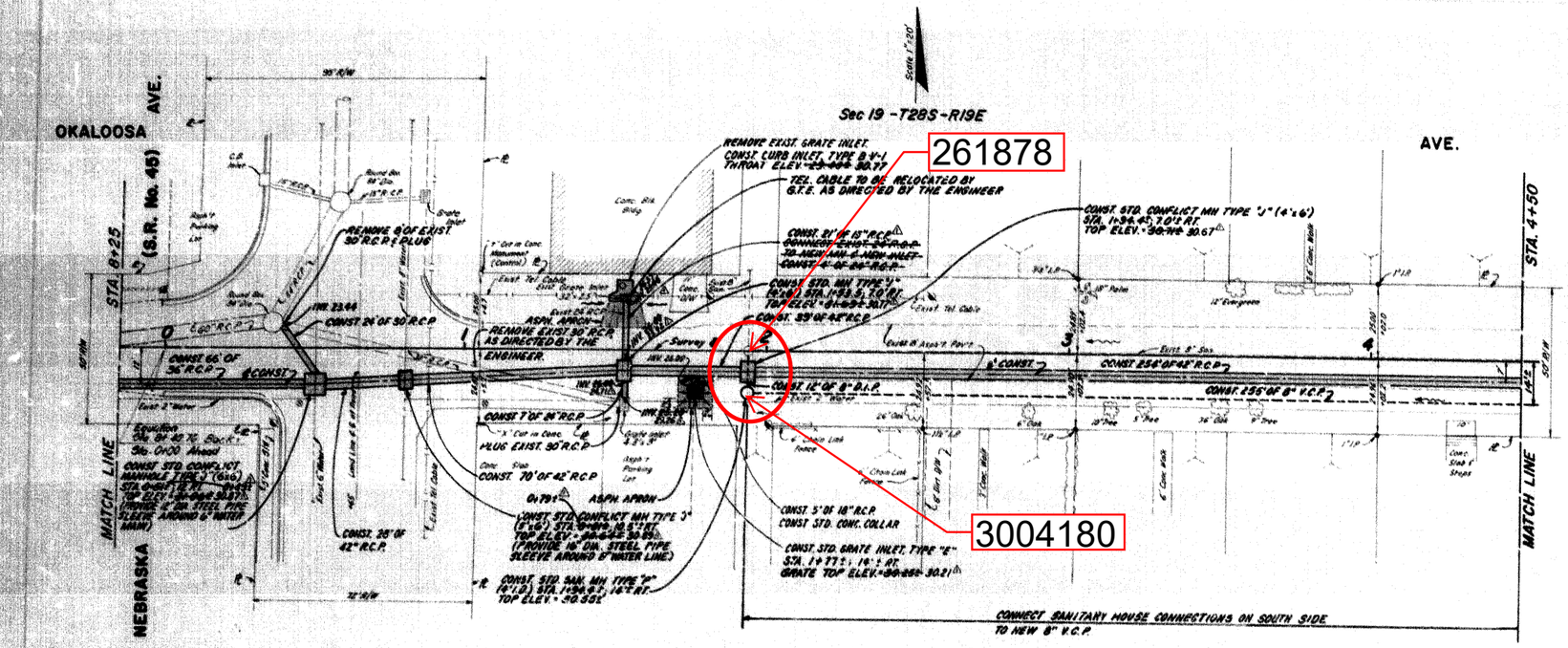
A-565 - Elev. 29.38
"+" cut on Radius at conc. curb on S.W. cor. Humphrey St. & Nebraska Ave.

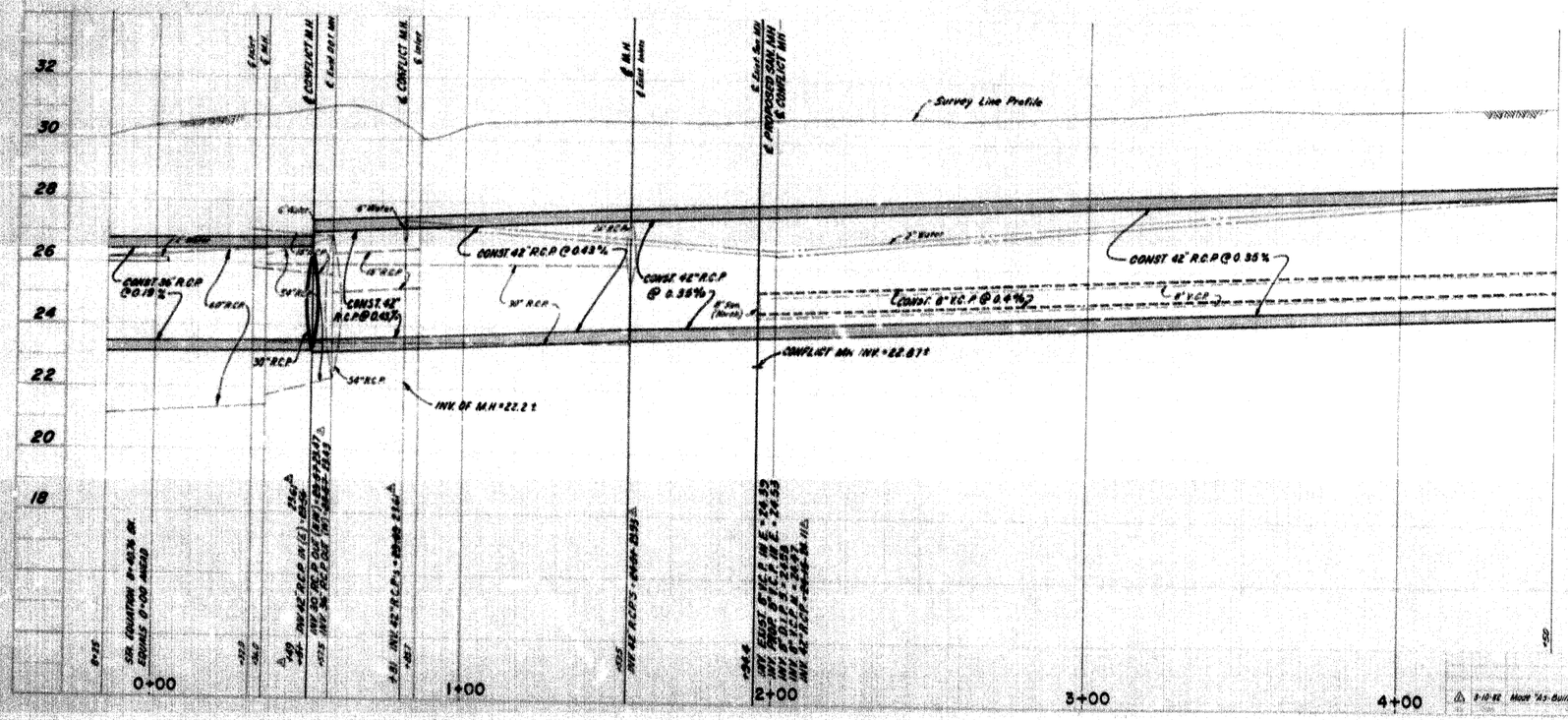
T.B.M. "A" Elev. 30.69
"T" cut on top of conc. curb @ Midradius on N.E. cor. Nebraska Ave. & Okaloosa Ave.

T.B.M. "B" Elev. 31.94
"T" cut back edge conc. slab (front steps) to New Bethel A.M.E. Church 25'± S. of & Okaloosa Ave & 92'± W. of & 10th St.

261878

3004180





AS-BUILT
REVIEWED BY RW DATE 7-2-92

PUBLIC WORKS DEPARTMENT

OKALOOSA AVE. STORM SEWER

Δ 9-10-92 Made "As-Built" Changes

D-6-52 | JOB No. 5368 | SHEET 7 of 21

B089-368

T.B.M. "J" Elev. 33.51
"T" cut on ℄ conc. D/W @ Prop. line of Res #1110
Okaloosa Ave. ± 25' N. of ℄ Okaloosa Ave. & ± 188' West of ℄ 12th St.

Scale: 1" = 20'

Sec 19-T28S-R19E

OKALOOSA ST.

SEE SHEET NO OF 21

261876

2804470

3103172

STA. 9+00

STA. 13+50

MATCH LINE

MATCH LINE

11th AVE.

50' R/W

Rt. Sta. 9+76.73 Okaloosa Ave. & = Sta. 0+62.7 11th St. ℄

CONST. STD. GRATE INLET TYPE "E" STA. 9+57±, 18.0' LT. GRATE TOP ELEV. ~~32.14~~ 32.14△

CONST. STD. GRATE INLET TYPE "E" STA. 9+96±, 20.0± LT. GRATE TOP ELEV. ~~32.34~~ 32.50△

CONST. 43' OF 8" D.I.P.

Row of Small Bushes

Various Small Bushes

Row of Small Bushes

Flower Bed

3 Wire Fence

4' Chain Link Fence

1' I.P.

4' Chain Link Fence

½" I.P.

2.5' Chain Link Fence

4' Conc. D/W

4.8' Conc. Walk

24" Oak

24" Oak

Row of Bushes

Small Bush

Tree

½" I.P.

Hedge

6.2' Conc. D/W

Bush

7' Chain Link Fence

CONST. 26' OF 15" R.C.P.

CONST. STD. CONC. COLLAR

CONST. 23' OF 15" R.C.P.

Exist. 8" San.

CONST. STD. CONC. COLLAR

10

11

Survey ℄

Exist. 21' Asph. Pvmt.

12

13

San. MH

CONST. 69.0' OF 36" R.C.P.

CONST. 16' OF 8" D.I.P.

CONST. 317' OF 36" R.C.P.

Exist. 8" San.

Row of Conc. Pvmt.

CONST. STD. GRATE INLET TYPE "E" STA. 9+59±, 24.5' RT. GRATE TOP ELEV. ~~32.34~~ 32.50△

CONST. STD. M.H. TYPE "J" (4'x4') STA. 9+70±, 7' RT. TOP ELEV. ~~32.34~~ 32.93△

CONST. 34' OF 15" R.C.P.

TYPICAL ASPH. APRON

50' R/W

CONST. 60' OF 36" R.C.P.

CONST. STD. GRATE INLET TYPE "E" STA. 9+94±, 26.0' RT. GRATE TOP ELEV. ~~32.55~~ 32.46△

Small Bush

Small Bush

3 Flower Bed

Stone-ish Bayonet Plant

Small Bush

Small Evergreen

San. Tide

Bayonet Bush

½" I.P.

½" I.P.

Exist. 2" Water

½" I.P.

3.5' Chain Link Fence

CONST. STD. CONC. ICT MH TYPE "J" (4'x4') STA. 10+32±, 7.0' ± RT. TOP ELEV ~~30.35~~ ± 32.93△

CONST. STD. SAN. MH TYPE "D" (4.0' I.D.) STA. 10+32±, 7.0'± RT. TOP ELEV. 33.08±

CONST. STD. SAN. MH TYPE "D" (4.0' I.D.) STA. 10+32±, 18'± RT. TOP ELEV. = 33.2±

CONST. 274' OF 8" V.C.P.

CONST. STD. SAN. MH TYPE "D" (4.0' I.D.) STA. 13+08±, 18'± RT. TOP ELEV. 33.7±

CONNECT SAN. HOUSE CONNECTIONS ON SOUTH SIDE TO THE PROP. 8" V.C.P.

0 10 20 40 60
Scale

Survey Line Profile

℄ M.H.

℄ PROP. SAN. MH

℄ CONFLICT MH

℄ PROP. SAN. MH

℄ San. M.H.

℄ San. M.H.

End of Water

2" Water

15" R.C.P. N.

CONST. 36" R.C.P. @ 0.41%

15" R.C.P. N.

CONST. 36" R.C.P. @ 0.27%

CONST. 8" D.I.P.△

8" San.

8" San.

CONFLICT MH INV. 26.5±

CONST. 36" R.C.P. @ 0.27%

CONST. 8" V.C.P. @ 0.40%

INV. 8" V.C.P. = 29.31

INV. 18" RCP IN (N) ~~28.3~~ ± 28.47△
INV. 36" R.C.P.S ~~27.25~~ 27.10△
INV. EXIST. 8" V.C.P. = 27.99
INV. PROP. 8" V.C.P. IN E. = 28.20
INV. 8" D.I.P.S. = 28.20, N = 28.19
INV. 36" R.C.P. S. ~~27.45~~ 27.35△

9+00 10+00 11+00 12+00 13+00

34 32 30 28 26 24 22 20

AS-BUILT
REVIEWED BY F.H.P. DATE 7-8-82

△ 3-10-82 Made "As-Built Changes" mh/jc
△ 1-31-80 Correct Top Elev. of M.H. @ Sta. 9+70 mh/jc

DEPARTMENT OF TRANSPORTATION

OKALOOSA AVE. STORM SEWER

Proj. I-80 CR 8 A 3-38 8"S.D. I-86
C3J5 I-PO DIST I-80 H. 1"=20', V. 1"=5'
1978-1, 1981-9

D-6-52 JOB No. 5363 9 21

B089-369

Scale: 1" = 20'

Sec. 19 - T28S - R19E

261883

3004186

SEE SHEET 11 OF 21

SEE SHEET 9 OF 21

SEE SHEET 15 OF 21

SEE SHEET 14 OF 21

MATCH LINE — STA. 13+50

MATCH LINE — STA. 17+50

OKALOOSA AVE.

HUMPHREY ST.

12 th ST.

BEGIN TAPER E.O.P. 20' THE NORTH EAST SIDE STA. 0+00, 18' EAST

CONST. STD. GRATE INLET TYPE "E" STA. 14+22.5; 23' N. 83°00' E.'s GRATE TOP ELEV. = ~~33.5~~ 33.59

CONST. STD. MANHOLE TYPE "J" (5'×5') STA. 14+14.5'; 7.0' RT. TOP ELEV. = ~~33.10~~ 33.75

CONST. STD. CONFLICT M.H. TYPE "J" (4'×6') STA. 15+69.8; 6' RT. TOP ELEV. = ~~34.00~~ 34.18

CONST. (MODIFIED D.O.T. TYPE ~~"C"~~ GRATE INLET STA. 14+46 ± GRATE TOP ELEV. = ~~33.45~~ 33.35

CONST. STD. SAN. M.H. TYPE "P" (4.0' I.D.) STA. 15+00 ± ; 15' RT. TOP ELEV. = 34.18 ±

CONST. PAVEMENT WIDENING

CONST. 59' OF 8" V.C.P.

Auto Junk Yard

7' Chain Link Fence

CONST. 27' OF 15" R.C.P.

P.I. Sta. 14+22.50 @ Centerline Ave. & 12th St. South = Sta. 0+00 @ 12th St. North

STD. GRATE INLET TYPE "E"

REMOVE 115' EXISTING SIDEWALK CONST. 130' OF 36" R.C.P.

CONST. 24' OF 8" D.I.P.

CONST. 27' OF 15" R.C.P.

CONST. 110' OF 36" R.C.P.

CONST. STD. CONC. COLLAR

CONST. 3' OF 18" R.C.P.

CONST. 5' CONC. S/W

CONST. 57' OF 8" V.C.P.

CONST. 6' OF 15" R.C.P.

TYPICAL ASPH. APRON

CONST. 65' OF 36" R.C.P.

CONST. STD. CONC. COLLAR

RELOCATE 2" WATER LINE AS DIRECTED BY THE ENGINEER

CONST. STD. GRATE INLET TYPE "E" @ STA. 13+85 ± ; 15' RT. GRATE TOP ELEV. = ~~33.34~~ 33.26

CONST. STD. SAN. M.H. TYPE "P" (4.0' I.D.) STA. 15+60.8 ± ; 15' RT. TOP ELEV. = 34.1 ±

CONST. STD. SAN. M.H. TYPE "P" (4.0' I.D.) STA. 16+20 ± ; 15' RT. TOP ELEV. = 34.33 ±

CONST. STD. TYPE "E" GRATE INLET STA. 16+39 ± ; 12.0' RT. GRATE TOP ELEV. = ~~33.45~~ 33.79

P.I. Sta. 16+64.12 12th St. North & Humphrey St @ = Sta. 0+00 12th St. @ South

CONST. STD. MANHOLE TYPE "J" (4'×5') STA. 0+09 ; 6' RT. TOP ELEV. = 34.23 ±

CONST. STD. GRATE INLET TYPE "E" STA. 16+45 ± 9.5' LT. OF RAIL TOP ELEV. = ~~33.65~~ 33.66

CONST. 62' OF 24" R.C.P.

POLE TO BE SECURED BY G.T.E. DURING CONST. AS DIRECTED BY ENGINEER

TEL. CABLE TO BE RELOCATED BY G.T.E. AS DIRECTED BY THE ENGINEER

CONST. STD. GRATE INLET TYPE "E" STA. 0+25 ± (12th St. @) 28.0' ± LT. GRATE TOP ELEV. = ~~33.70~~ 33.72

CONST. 12' OF 15" R.C.P.

CONST. 16' OF 24" R.C.P.

14"×23" R.C.P.

TYPE "E" GRAT. E INLET

CONST. 5' CONC. S/W

CONST. STD. CONFLICT M.H. TYPE "P" (4.0' I.D.) STA. 16+68.6 ± , 9.0' ± RT. TOP ELEV. = ~~34.33~~ 34.32

CONST. 8' OF 24" R.C.P.

BEGIN PAVT. RECONSTRUCTION STA. 16+78

CONST. STD. CONC. COLLAR

CONST. STD. GRATE INLET TYPE "E" @ STA. 13+85 ± ; 15' RT. GRATE TOP ELEV. = ~~33.34~~ 33.26

CONNECT SAN. HOUSE CONNECTIONS ON THE WEST SIDE TO THE PROP. 8" V.C.P.

T.B.M. "E" Elev. 34.27
"T" cut on face conc. S/W @ S.W. cor. 12th St. & Humphrey St. ± 5' South of North end S/W.

NOTES

1. Telephone cables in conflict with proposed inlets to be relocated by G.T.E. as directed by Engineer.
2. Remove all exist. conc. sidewalk on West side.

Scale: 0 10 20 40 60

Survey Line Profile

PROFILE GRADE @ 0.55%

2" Water

3" Water

15" R.C.P. S.

CONST. 36" R.C.P. @ 0.27%

15" R.C.P.

CONST. 36" R.C.P. @ 0.17%

CONST. 8" V.C.P. @ 0.40%

CONST. 8" V.C.P. @ 0.42%

8" San.

36" San. Force Main

CONFLICT M.H. INV. 27.5±

15" R.C.P. W.

CONFLICT M.H. INV. = 27.30

CONST. 24" R.C.P. @ 0.56%

CONST. 24" R.C.P. @ 0.56%

CONST. 24" R.C.P. @ 0.56%

15" R.C.P. N's

36" San. Force Main

BELOW PAV'T. CONST.

14+00 — 15+00 — 16+00 — 17+00

AS-BUILT
REVIEWED BY P.N.P. DATE 7-8-82

PUBLIC WORKS DEPARTMENT

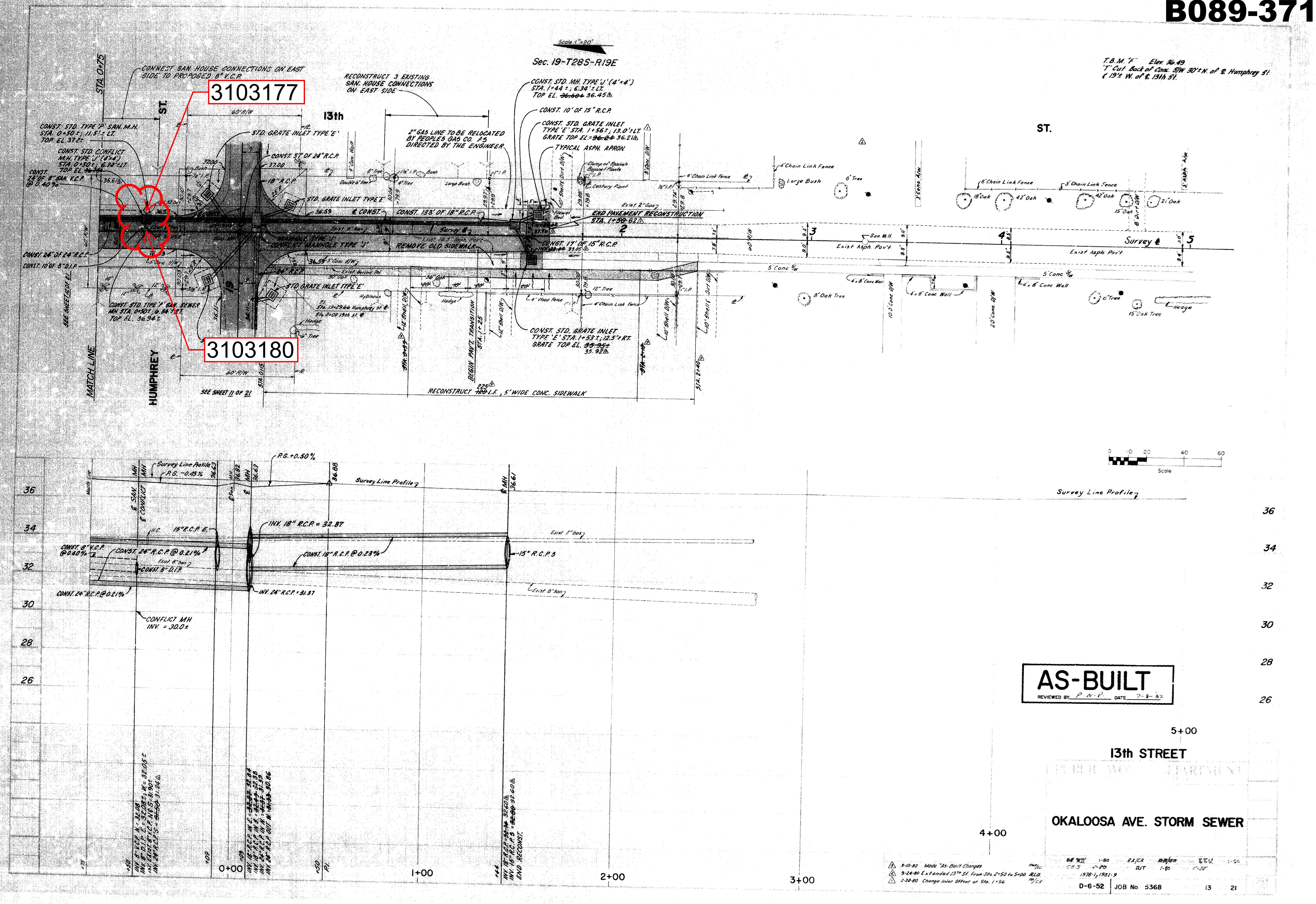
OKALOOSA AVE. STORM SEWER

APP'D	9-79	C.R.B.	9-78	E.E.	1-80
C.S.S.		D.T.	1-80	H. 1"=20', V. 1"=2'	

1978-1, 1979-25, 1981-9

D-6-52 | JOB No. 5368 | 10 | 21

3-10-82 Made "As-Built" Changes mf/ac
11-19-80 Added Pavement Widening & Sidewalk RB/CR


B089-371
Scale 1"=20'
Sec. 19-T28S-R19E
T.B.M. "F" Elev. 36.49
'T' Cut Back of Conc. S/W 30'± N. of ℄ Humphrey St. & 19'± W. of ℄ 13th St.
13th
ST.
HUMPHREY
ST.
MATCH LINE
STA. 0+75
CONNECT SAN. HOUSE CONNECTIONS ON EAST SIDE TO PROPOSED 8" V.C.P.
3103177
3103180
CONST. STD. TYPE 'P' SAN. M.H. STA. 0+50±; 11.5'± LT. TOP EL. 37.2±
CONST. STD. CONFLICT M.H. TYPE 'J' (4'×4') STA. 0+50±; 6.34'± LT.
CONST. 24' OF 8" SAN. V.C.P. @ 0.40%
CONST. 24' OF 24" R.C.P.
CONST. 10' OF 8" D.I.P.
CONST. STD. TYPE 'P' SAN. SEWER MH STA. 0+50±, 6.34'± RT. TOP EL. 36.94±
SEE SHEET 11 OF 21
STD. GRATE INLET TYPE 'E'
CONST. 5' OF 24" R.C.P.
18" R.C.P.
CONFLICT MANHOLE TYPE 'J'
RECONSTRUCT 3 EXISTING SAN. HOUSE CONNECTIONS ON EAST SIDE
2" GAS LINE TO BE RELOCATED BY PEOPLES GAS CO. AS DIRECTED BY THE ENGINEER
CONST. 133' OF 18" R.C.P.
REMOVE OLD SIDEWALK
CONST. STD. MH. TYPE 'J' (4'×4') STA. 1+44±; 6.34'± LT. TOP EL. 36.60± 36.45
CONST. 10' OF 15" R.C.P.
CONST. STD. GRATE INLET TYPE 'E' STA. 1+56±; 13.0'± LT. GRATE TOP EL. 36.2± 36.21
TYPICAL ASPH. APRON
END PAVEMENT RECONSTRUCTION STA. 1+58 62
CONST. 17' OF 15" R.C.P.
CONST. STD. GRATE INLET TYPE 'E' STA. 1+53±; 12.5'± RT. GRATE TOP EL. 35.95± 35.92
BEGIN PAV'T. TRANSITION STA. 1+25
RECONSTRUCT 120 225 L.F., 5' WIDE CONC. SIDEWALK
STA. 2+40
Survey ℄
Exist Asph. Pav't
5' Conc. S/W
Survey Line Profile
P.G. -0.45%
P.G. +0.50%
INV. 18" R.C.P. = 32.87
CONST. 18" R.C.P. @ 0.23%
CONST. 24" R.C.P. @ 0.21%
CONST. 8" V.C.P. @ 0.40%
CONST. 8" D.I.P.
15" R.C.P. E.
15" R.C.P. S
INV. 24" R.C.P. = 31.37
CONFLICT MH INV. = 30.0±
Exist 2" Gas
Exist 8" San.
INV. 18" R.C.P. = 32.74 32.60
INV. 15" R.C.P. S = 32.80 32.60
END RECONST.
0+00
1+00
2+00
3+00
4+00
5+00
AS-BUILT
REVIEWED BY P.N.P. DATE 7-8-82
3-10-82 Made "As-Built Changes
9-24-80 Extended 13TH St. from Sta. 2+50 to 5+00
2-20-80 Change Inlet Offset at Sta. 1+56
13th STREET
OKALOOSA AVE. STORM SEWER
1978-1, 1981-9
D-6-52
JOB No. 5368
13
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