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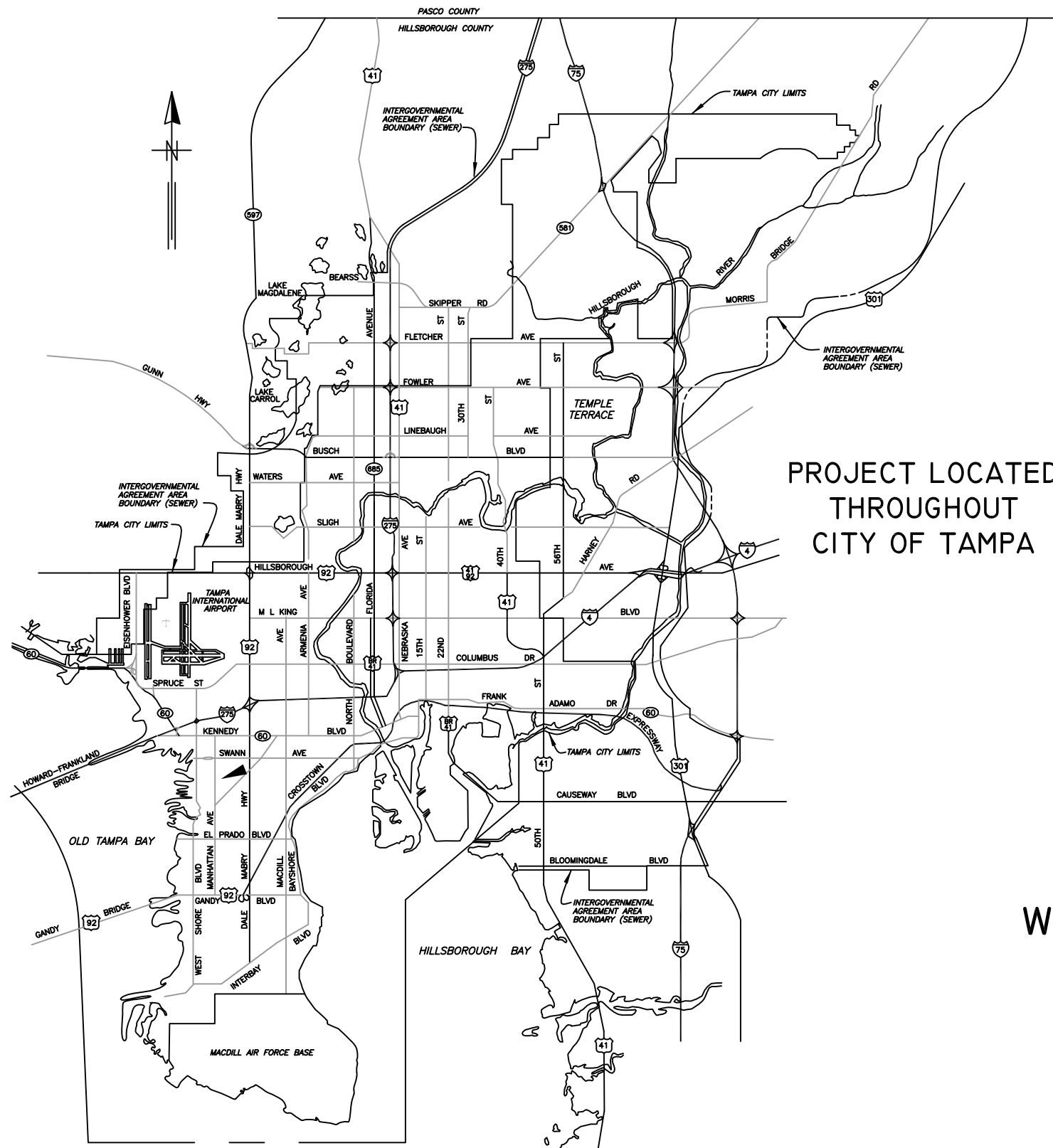
Please Email ALL Questions:

[MailTo:ContractAdministration@TampaGov.net](mailto:ContractAdministration@TampaGov.net)

Please Let Us Know If You Plan To Bid

City of Tampa
Contract Administration Department
306 E. Jackson St. #280A4N
Tampa, FL 33602
(813)274-8456

LOCATION MAP



CITY of TAMPA



PROJECT LOCATED
THROUGHOUT
CITY OF TAMPA

WASTEWATER DEPARTMENT

PLANS FOR
WASTEWATER TUBERCULATED GRAVITY PIPELINE
REHABILITATION, PHASE I

CONTRACT No.
17-C-00044

CTB -- JOHN.CTB

JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	No.	DATE	REVISIONS	DES: MS	CITY of TAMPA WASTEWATER DEPARTMENT	WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION, PHASE I COVER SHEET	W.O. 1001185
	3			DRN: MS/JG			SHEET
	2			CKD:			1
	1			DATE: 9/28/17			OF 134

GENERAL NOTES

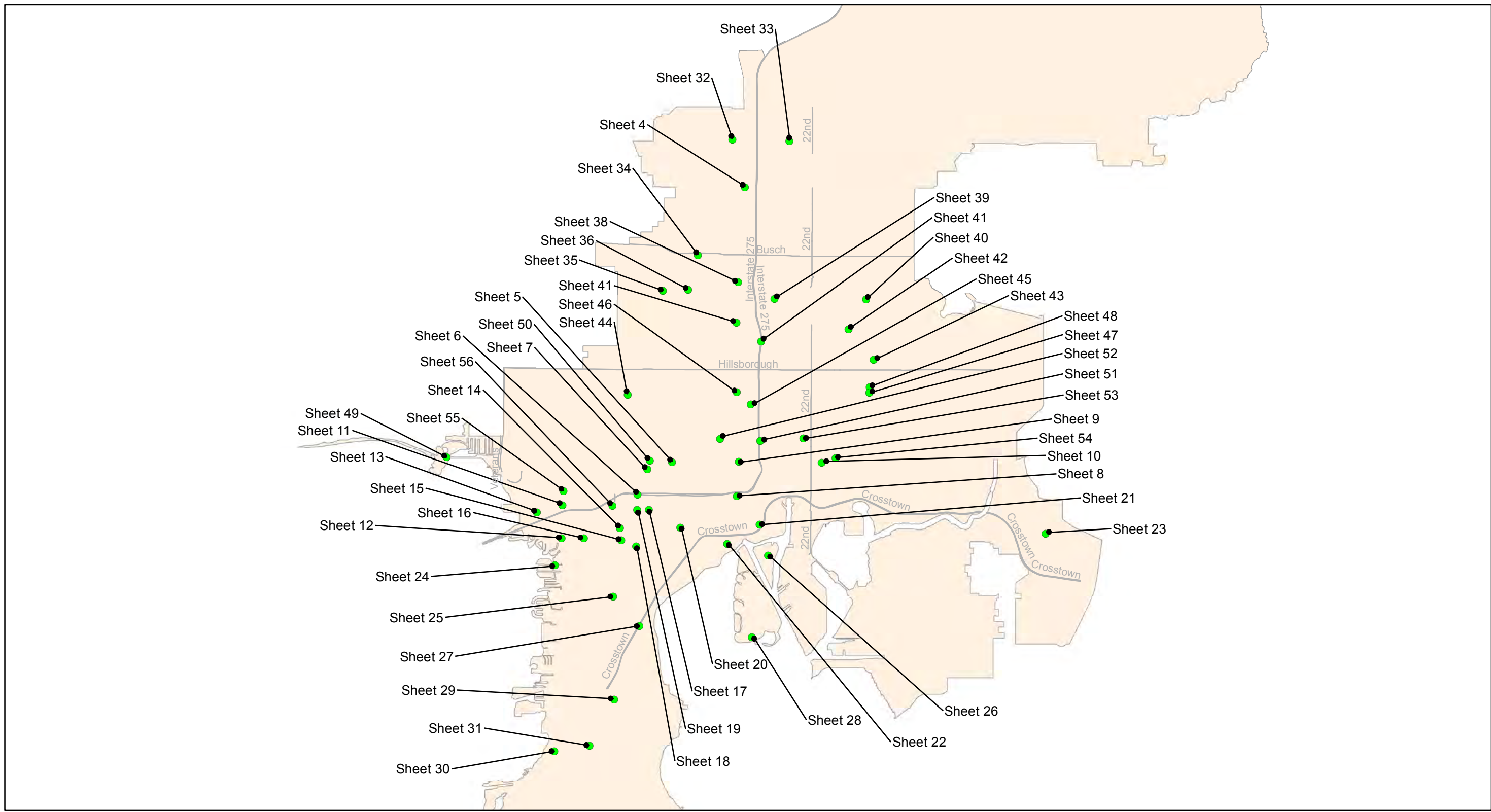
1. THE SCOPE OF THIS PROJECT SHALL CONSIST OF REHABILITATION OF 8",10",12",15",18, AND 24" DIA WASTEWATER PIPELINE BY CLEANING, DETUBERCULATING, AND INSTALLATION OF CURED IN PLACE PIPE LINER AND ALL APPURTENANCE ASSOCIATED WITH COMPLETION OF THE PROJECT.
2. ELEVATION INFORMATION SHOWN ON THESE PLANS IS REFERENCED TO N.G.V.D. 1929 UNLESS OTHERWISE STATED.
3. SHEETS 57-134 ARE THE EXISTING AS-BUILTS OF THE SEWER PIPE TO BE REHABILITATED.
4. DURING THE MOT, CONTRACTOR MUST MAINTAIN ACCESS TO ALL DRIVEWAYS FOR THE DURATION OF THE PROJECT.
5. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR OBTAINING THE NECESSARY ROAD CLOSURE AND RIGHT-OF-WAY PERMITS FROM THE APPROPRIATE GOVERNMENT AGENCIES HAVING JURISDICTION OVER THE SPECIFIC ROADWAYS.
6. IN ORDER TO OBTAIN ROADWAY CLOSURE OR RIGHT-OF-WAY PERMITS, AT MINIMUM, THE CONTRACTOR MUST SUBMIT DETAILED MAINTENANCE OF TRAFFIC (MOT) PLANS ALONG WITH APPLICATIONS TO THE APPROPRIATE AGENCY. THE MOT(S) SHALL CONFORM TO APPLICABLE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) INDEX DRAWINGS (MOST CURRENT EDITION). THE GOVERNING AGENCIES MAY REQUIRE ADDITIONAL INFORMATION AND DICTATE SPECIFIC WORK TIMES DURING NON-PEAK TRAFFIC HOURS. REFER TO SPECIFIC PROVISIONS FOR SPECIFIC TRAFFIC CONTROL REQUIREMENTS.
7. CONTINUOUS SEWER SERVICE MUST BE MAINTAINED AT ALL TIMES. WORK DURING LOW FLOW PERIODS OR NIGHT WORK MAY BE REQUIRED. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PRIVATE AND CITY PUMPING STATIONS AND SEWER SERVICE VIA VACUUM TRUCKS. CONTRACTOR IS RESPONSIBLE FOR DEWATERING, COLLECTING AND DISPOSING OF ALL WATER AND SLUDGE FROM EXISTING FACILITIES AS NECESSARY TO MAINTAIN SERVICE. COST FOR THIS WORK SHALL BE INCLUDED IN THE VARIOUS CONTRACT ITEMS AND NO ADDITIONAL PAYMENT WILL BE MADE.
8. BYPASS PUMPS SHALL BE CAPABLE OF DELIVERING 300 GPM FOR 8" DIA PIPE, 600 GPM FOR 10" DIA PIPE, 800 GPM FOR 12" DIA PIPE, 1400 GPM FOR 15" DIA PIPE, 1550 GPM FOR 18" DIA PIPE AND 2100 GPM FOR 24" DIA PIPE. THE BYPASS PUMPS SHALL BE OF THE SELF PRIMING QUIET FLOW TYPE PUMP. BYPASS PUMP NOISE SHALL STRICTLY COMPLY TO ALL LOCAL REGULATIONS AND ORDINANCES COVERING NOISE CONTROL. THIS MAY REQUIRE CONSTRUCTING SOUND ATTENUATING ENCLOSURE AROUND PUMPS. BYPASS METHOD SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER.
9. THE PROPOSED LINER THICKNESS FOR THE 8" SEWER SHALL BE 6.0 MM THICKNESS, 10"/12"/15" SEWER SHALL BE 7.5 MM THICKNESS AND 18" SEWER SHALL BE 9.0 MM THICKNESS.
10. CONTRACTOR SHALL RESTORE ALL LANDSCAPING, SODDING, SPRINKLER SYSTEM PIPING AND PAVEMENT THAT MAY HAVE BEEN DAMAGED DURING CONSTRUCTION TO ITS ORIGINAL CONDITION OR BETTER.
11. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH WASTEWATER PERSONNEL AND PUMPING STATION OPERATIONS.
12. OSHA STANDARD EQUIPMENT SUCH AS SAFETY HARNESES, GAS MONITORS, LOWER EXPLOSIVE LIMIT (LEL) DETECTORS, BREATHING APPARATUS, ETC. SHALL BE UTILIZED WHERE THE WORK DICTATES THEIR USE.
13. FOR THE MANHOLES IN FDOT MAINTAINED ROADWAYS, THE CONTRACTOR SHALL NOTIFY FDOT MAINTENANCE DIVISION AT 744-6038 A MINIMUM OF 48 HOURS PRIOR TO STARTING THE REHABILITATION WORK. THE CITY WILL OBTAIN THE NECESSARY RIGHT OF WAY UTILITY USE PERMIT FROM FDOT. HOWEVER, THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL SIGNAGE IN ACCORDANCE WITH FDOT STANDARD INDEX DRAWINGS (MOST CURRENT EDITION)

INDEX	
SHEET NUMBER	SHEET NAME
1	COVER SHEET
2	NOTE AND INDEX
3	PROJECT LOCATIONS
4 - 56	AREA MAPS
57 - 134	Wastewater Record Drawings For Reference

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

PLOTTED BY: Michael F. Salgado
 Rehabilitation\Drafting\DWG\Tuberculated Rehab_Phase 1 - Cover and Notes.dwg
 3:07:10 PM
 DRAWING FILE K:\Wastewater Projects\FY18 Wastewater Tuberculated Gravity Pipeline
 PLOT DATE: Thursday, September 28, 2017
 CTB - JOHN.CTB
 LAST SAVED BY: ssi

JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	No.	DATE	REVISIONS	DES: MS	CITY of TAMPA WASTEWATER DEPARTMENT	WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION, PHASE I NOTE AND INDEX	W.O. 1001185
	3			DRN: MS/JG			SHEET
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	1			DATE: 9/28/17			OF 134



0 1.75 3.5 7 Miles

Wastewater Tuberculated Gravity Pipeline Rehabilitation, Phase 1
City of Tampa Wastewater Department

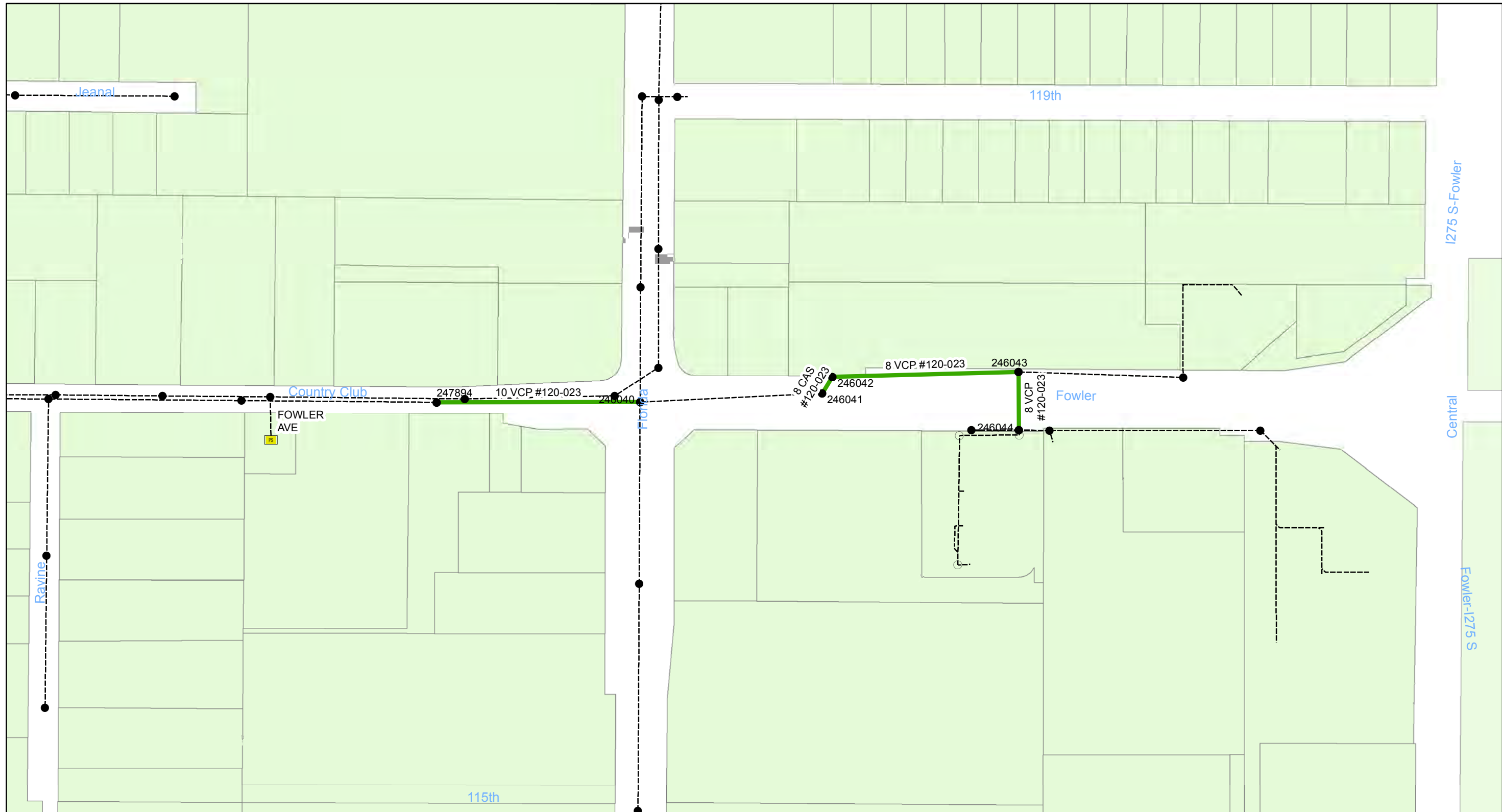
Legend

- Project Location
- City of Tampa Sewer Service Area

CONTRACT No. 17-C-00044



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Wastewater Tuberculated Gravity Pipeline Rehabilitation, Phase 1
 City of Tampa Wastewater Department

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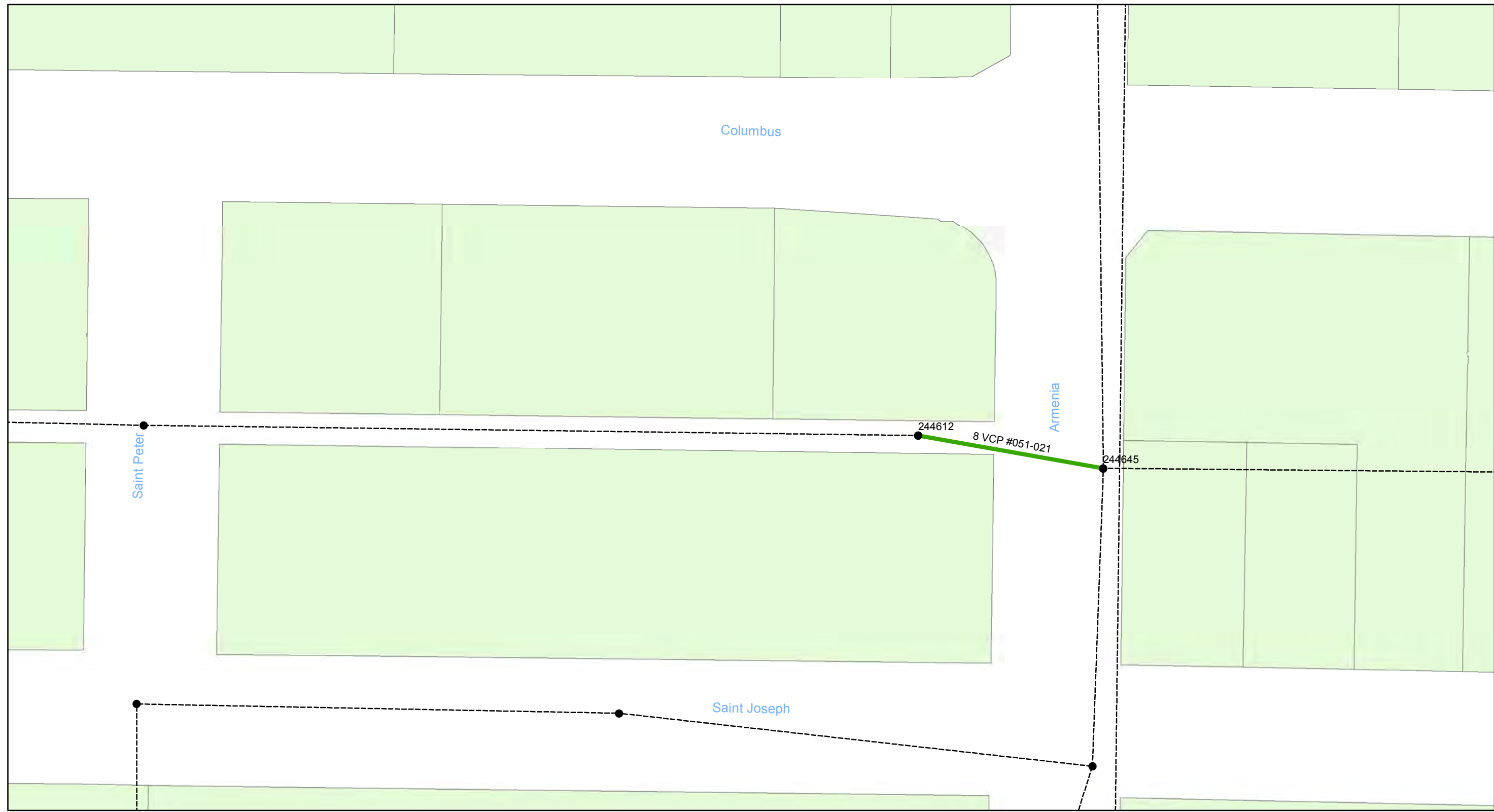
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

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0 0.005 0.01 0.02 Miles

Wastewater Tuberculated Gravity Pipeline Rehabilitation, Phase 1
 City of Tampa Wastewater Department

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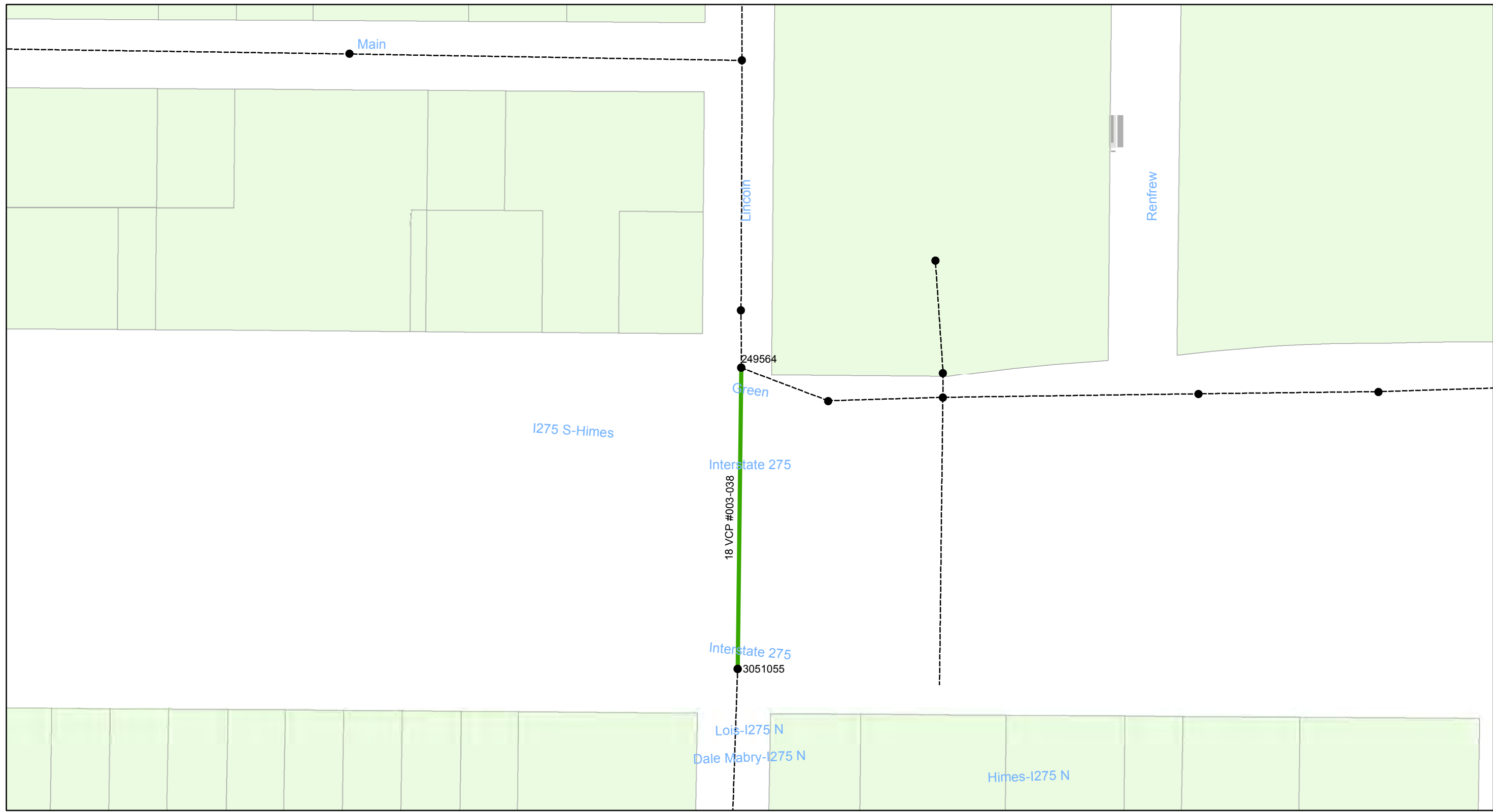
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

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**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

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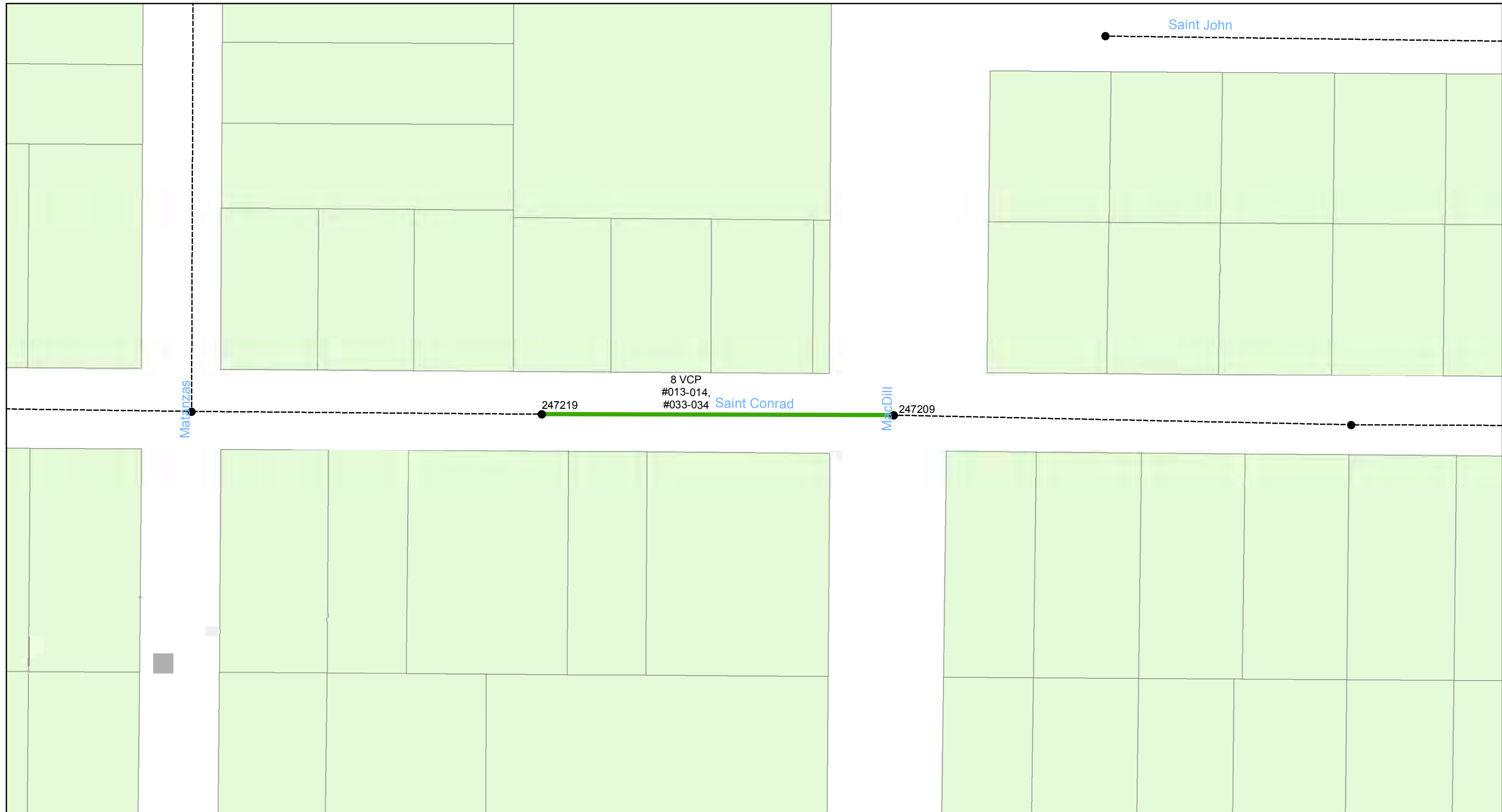
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

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0 0.0075 0.015 0.03 Miles

Wastewater Tuberculated Gravity Pipeline Rehabilitation, Phase 1
 City of Tampa Wastewater Department

Legend

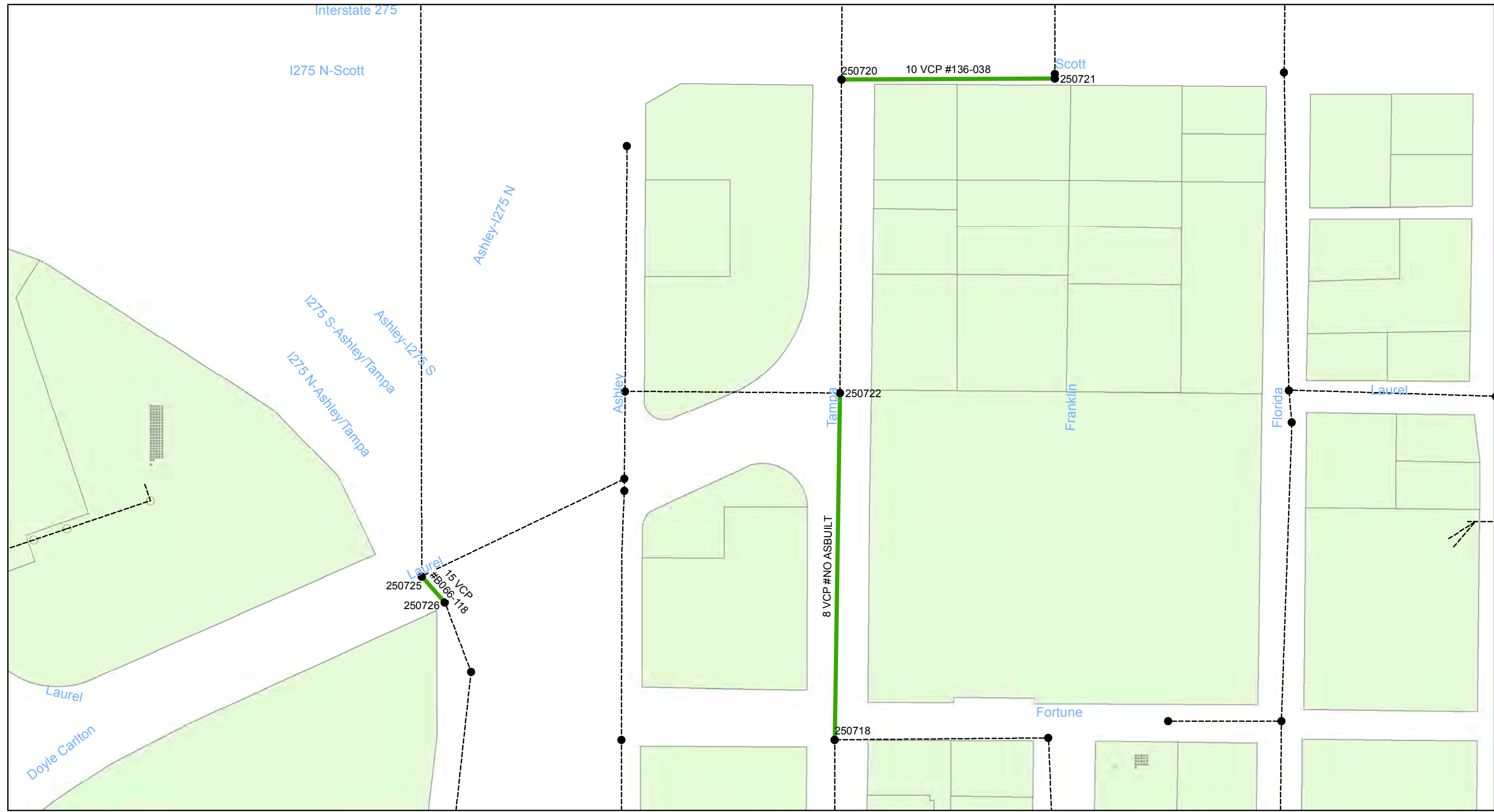
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

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0 0.015 0.03 0.06 Miles

Wastewater Tuberculated Gravity Pipeline Rehabilitation, Phase 1
City of Tampa Wastewater Department

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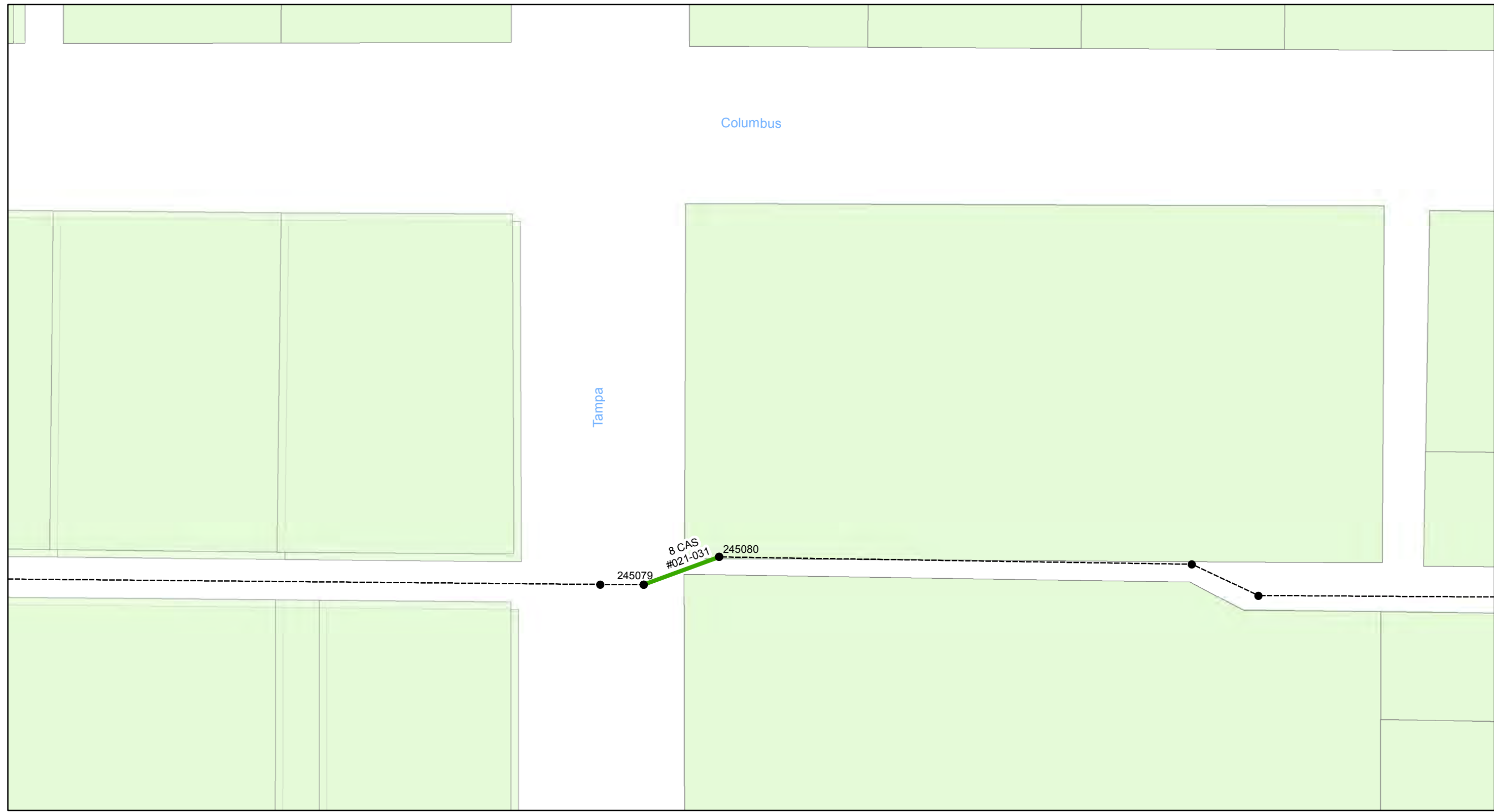
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

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0 0.005 0.01 0.02 Miles

Wastewater Tuberculated Gravity Pipeline Rehabilitation, Phase 1
 City of Tampa Wastewater Department

Legend

- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

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0 0.02 0.04 0.08 Miles

**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

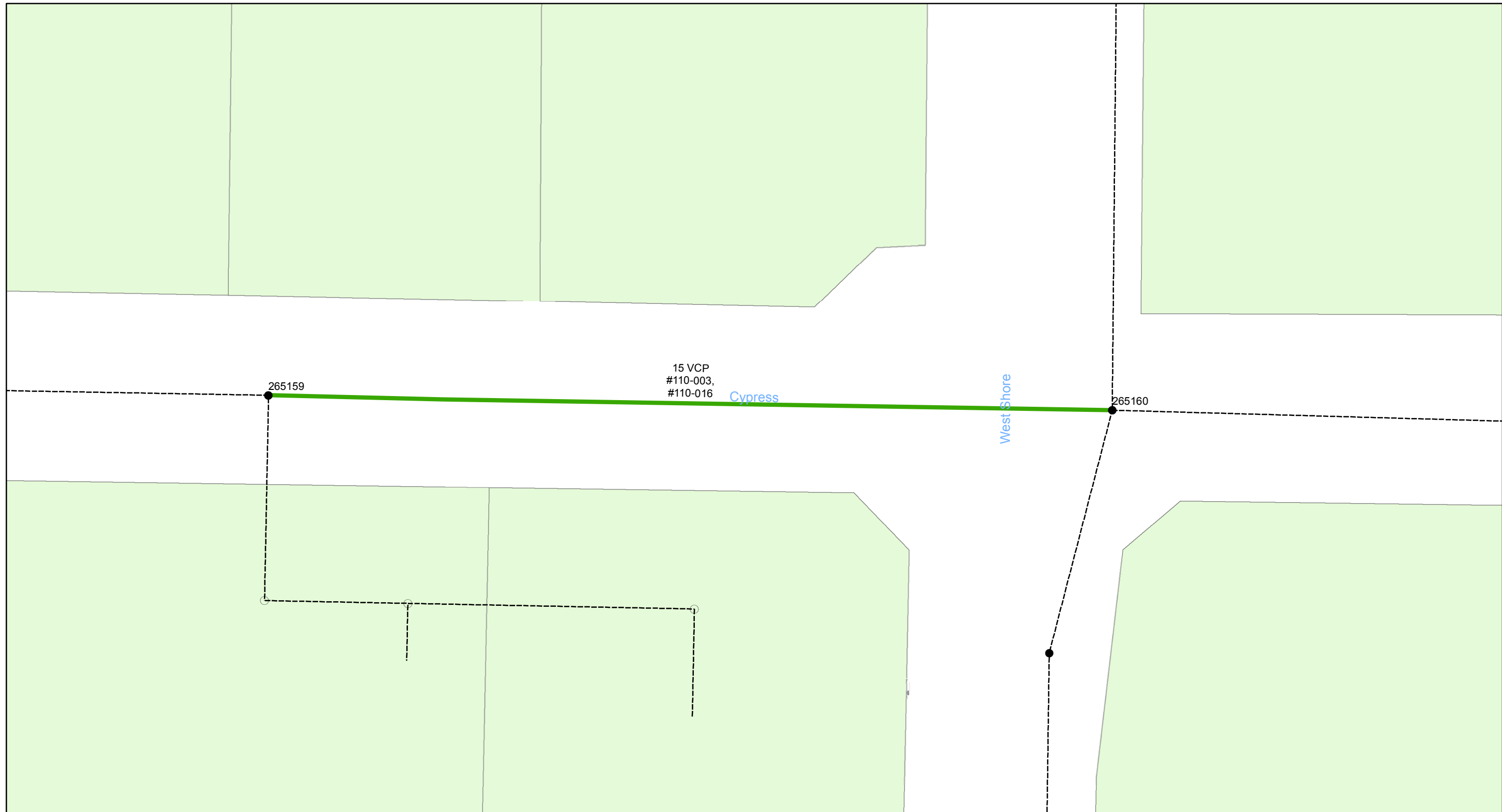
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- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)

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15 VCP
#110-003,
#110-016

Cypress

West Shore

265159

265160

0 0.005 0.01 0.02 Miles

**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

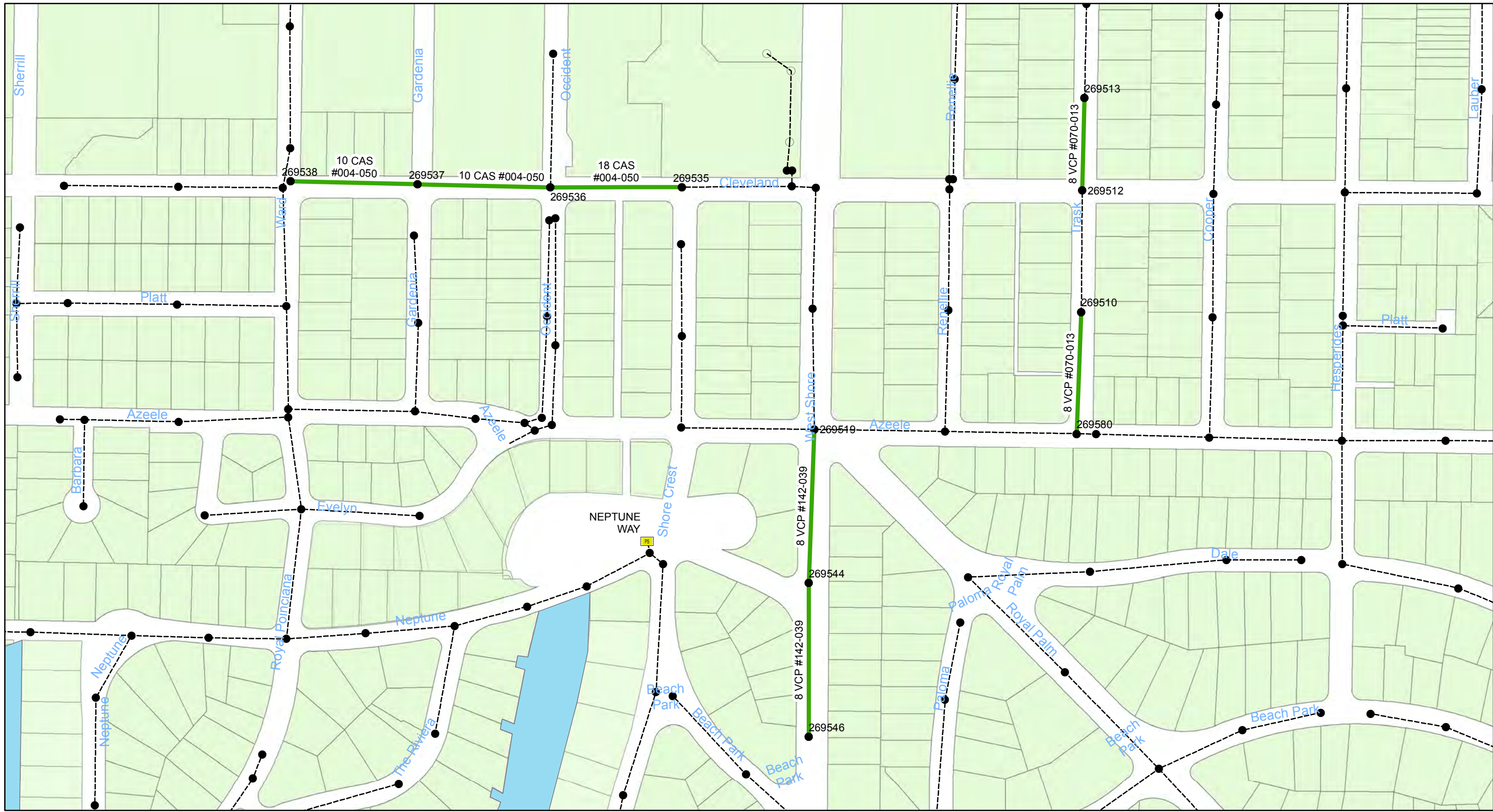
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- Lining Area
- Ex Wastewater (no rehabilitation required)

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0 0.0375 0.075 0.15 Miles

Wastewater Tuberculated Gravity Pipeline Rehabilitation, Phase 1

City of Tampa Wastewater Department

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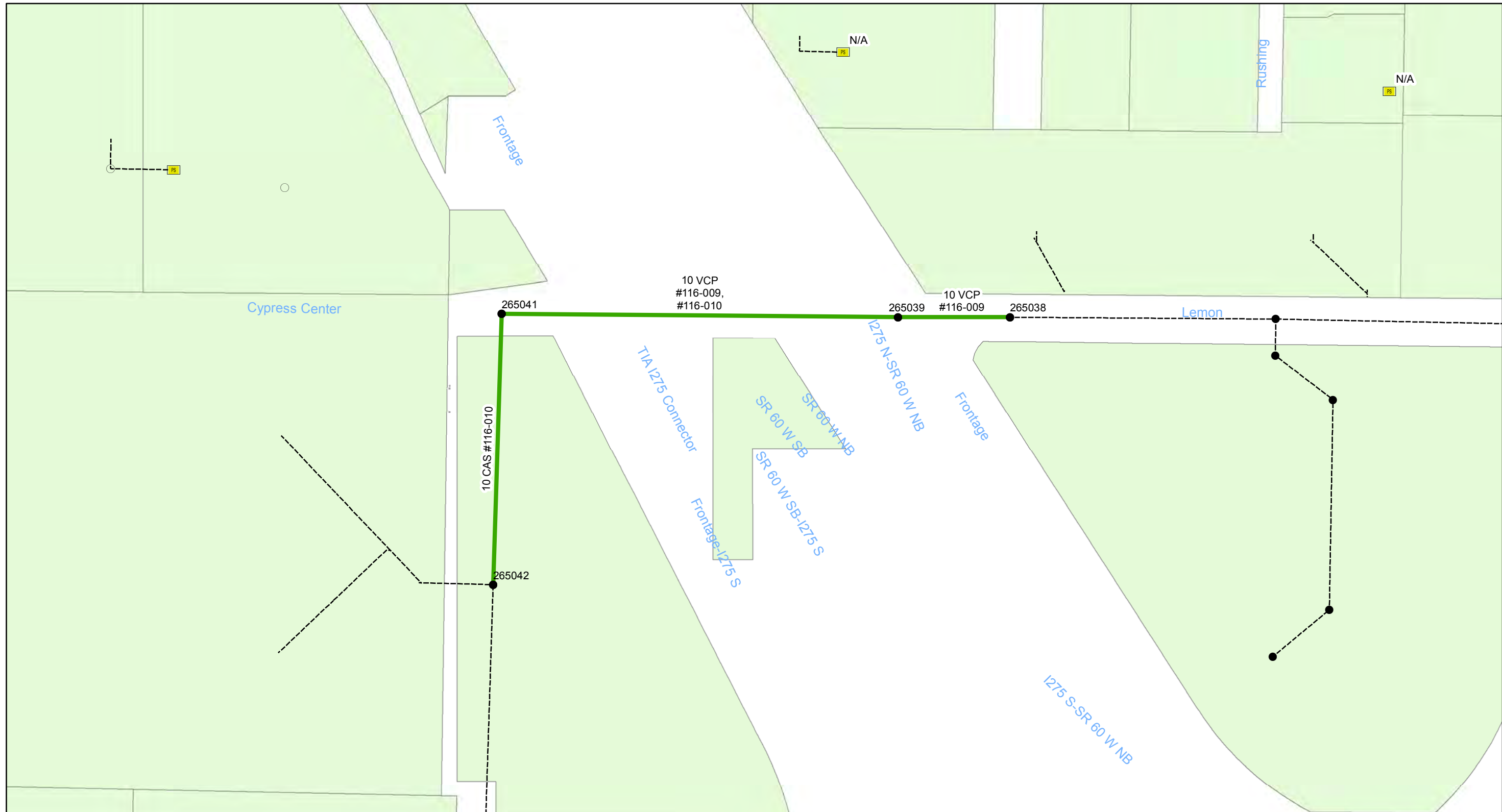
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- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)

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0 0.0175 0.035 0.07 Miles

Wastewater Tuberculated Gravity Pipeline Rehabilitation, Phase 1

City of Tampa Wastewater Department

Legend

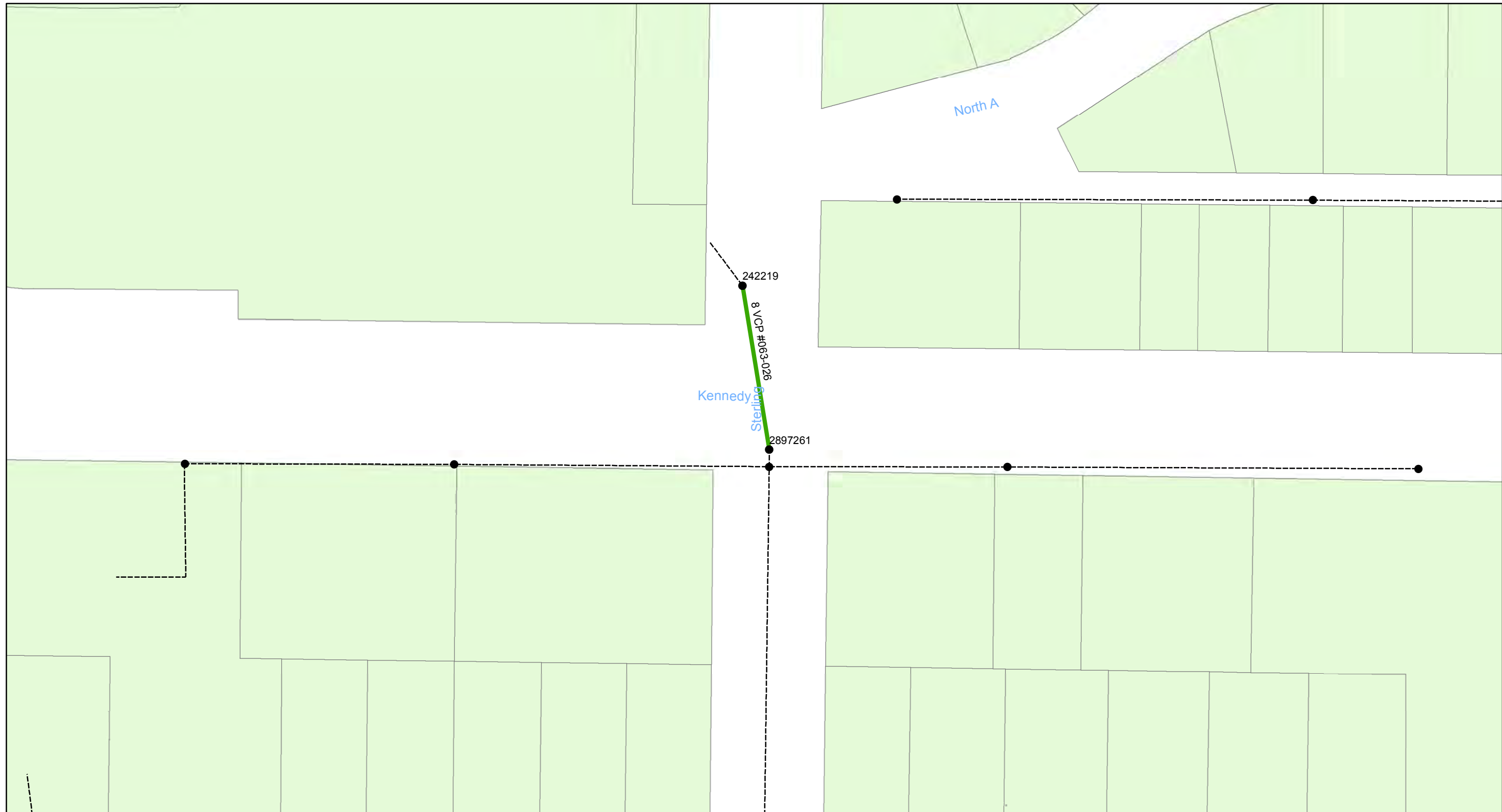
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

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**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

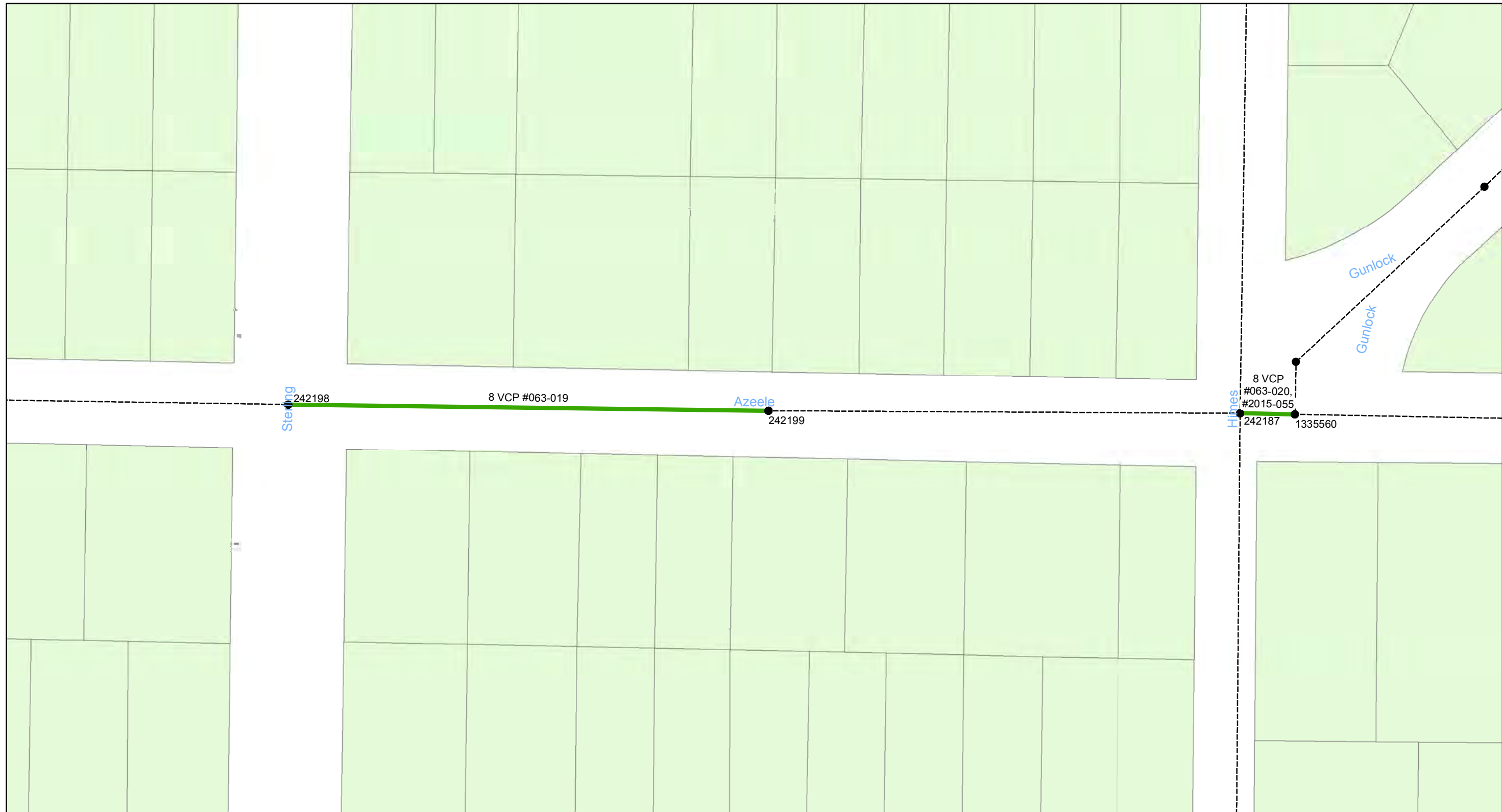
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

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0 0.01 0.02 0.04 Miles

**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

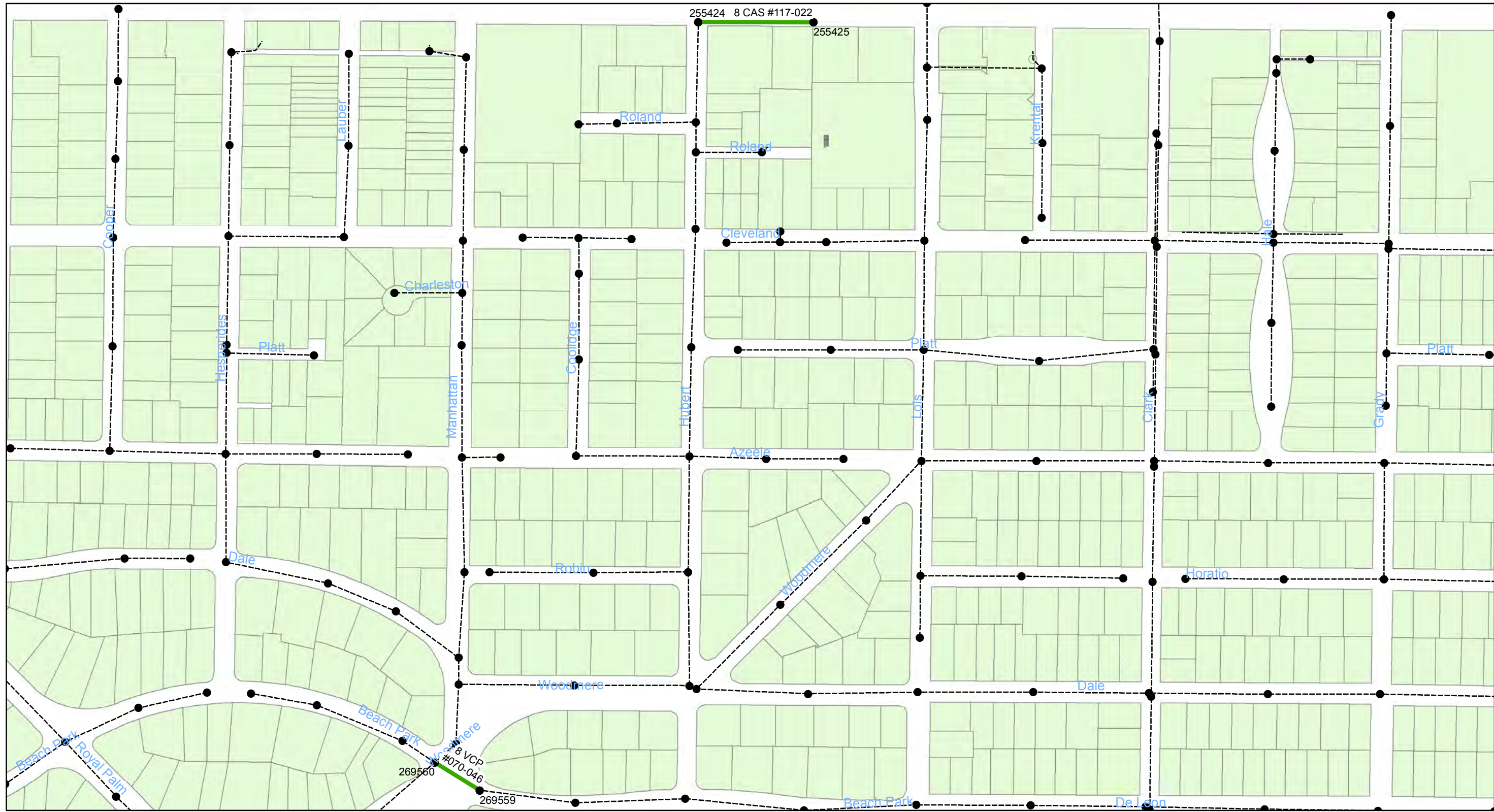
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

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**Wastewater Tuberculated Gravity
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City of Tampa Wastewater Department

Legend

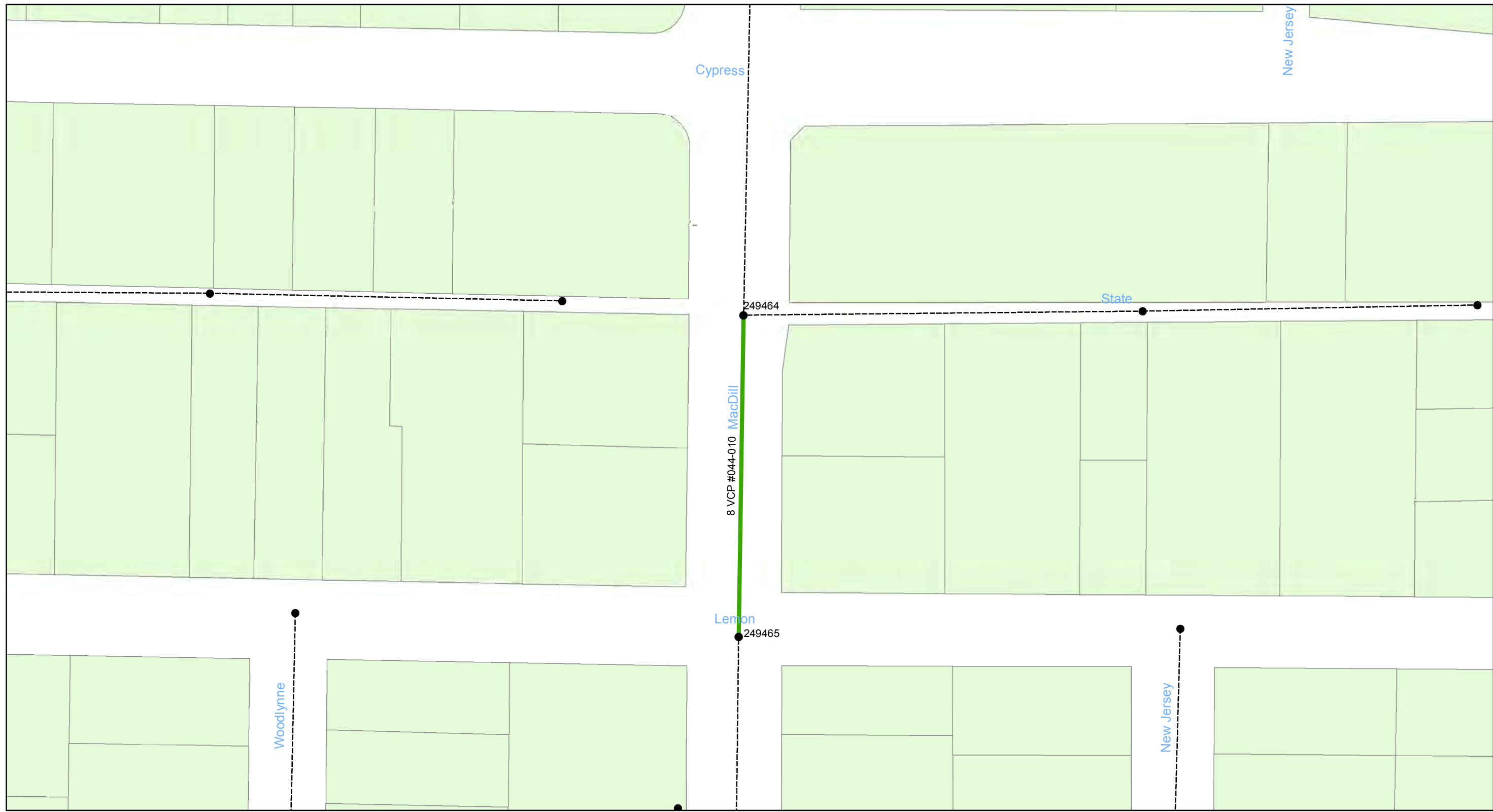
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- Lining Area
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0 0.01 0.02 0.04 Miles

**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

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- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

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**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

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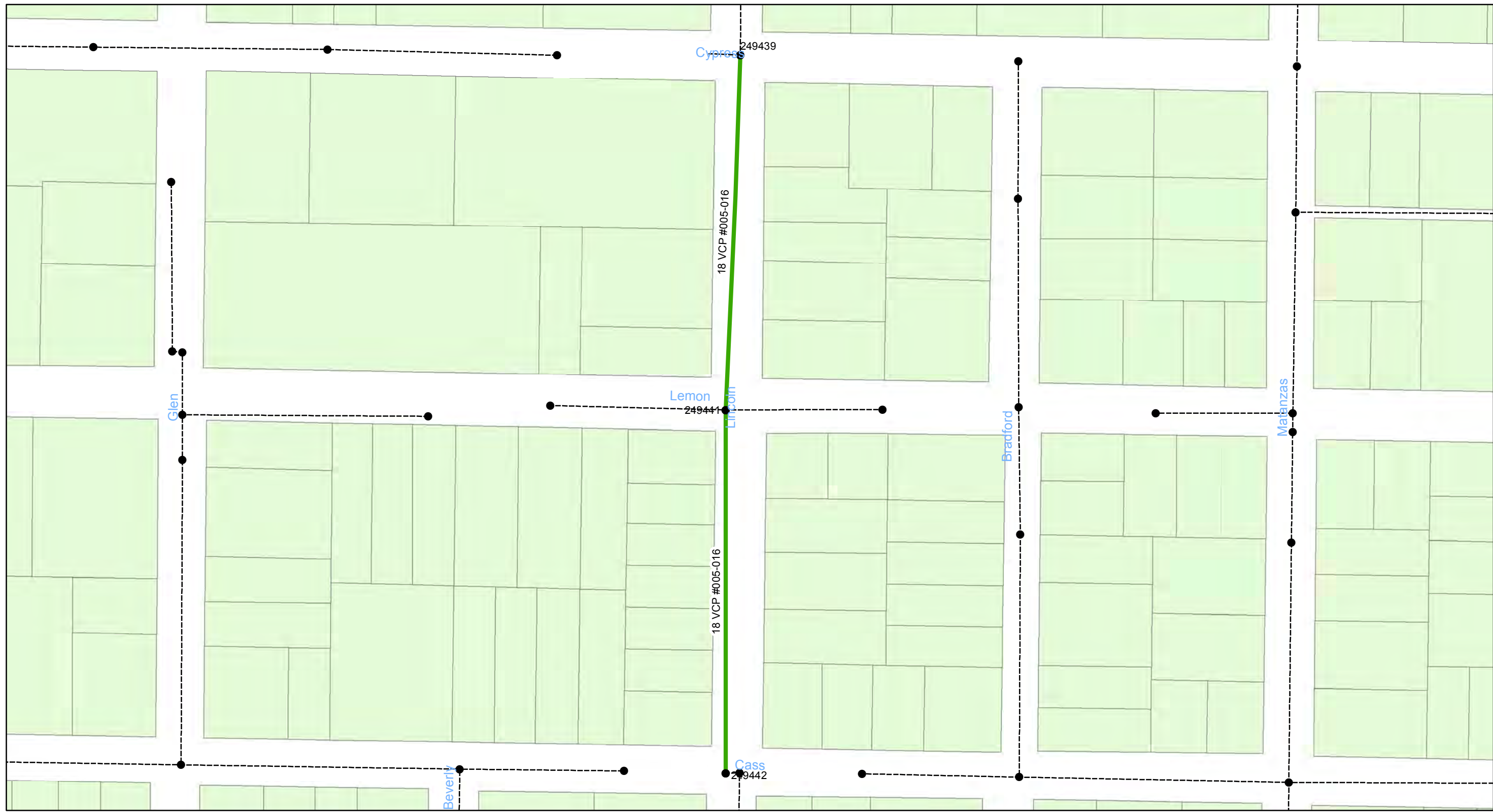
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- Lining Area
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0 0.0175 0.035 0.07 Miles

**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

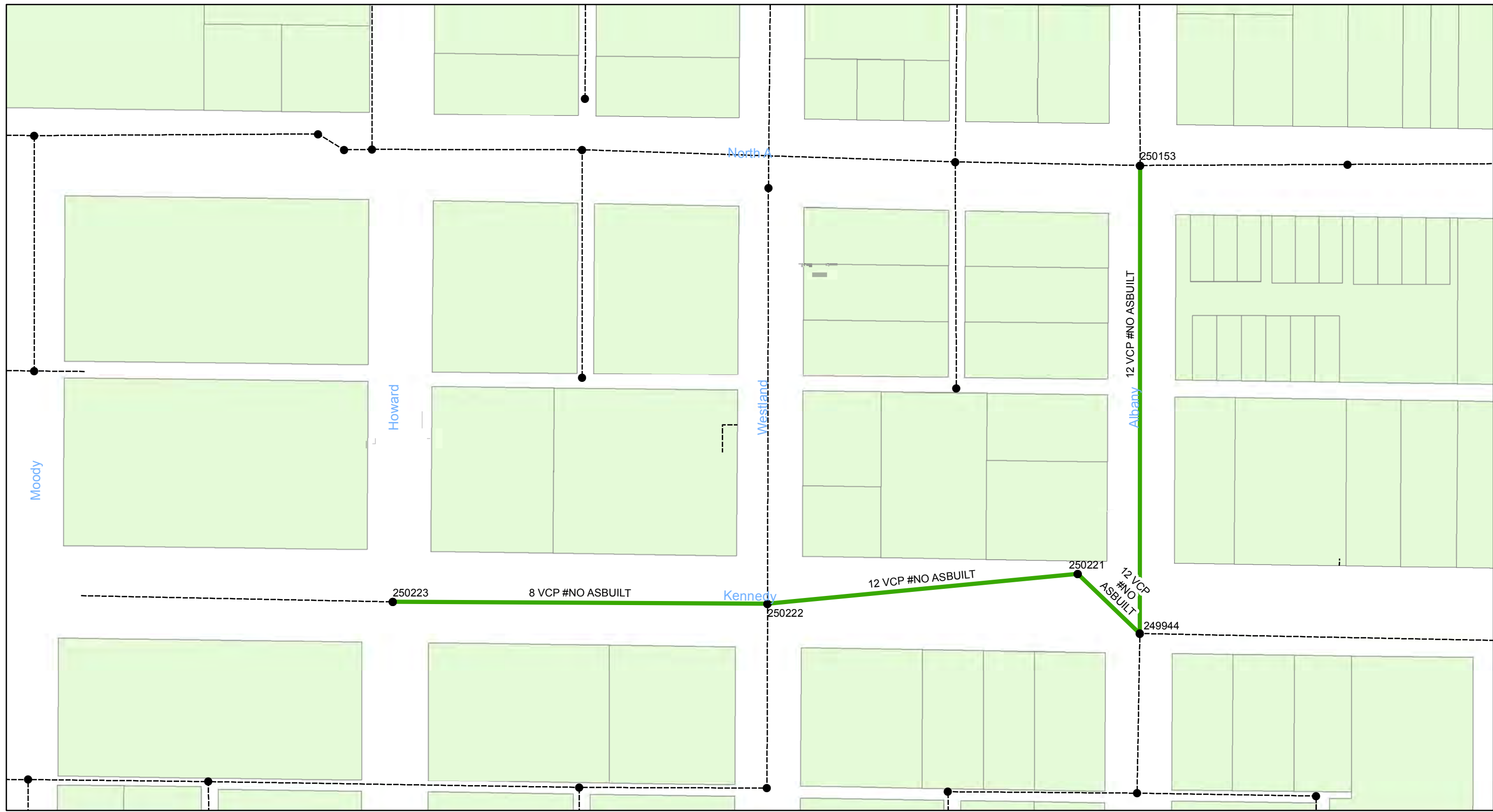
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- Lining Area
- Ex Wastewater (no rehabilitation required)

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**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

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- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

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0 0.015 0.03 0.06 Miles

**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

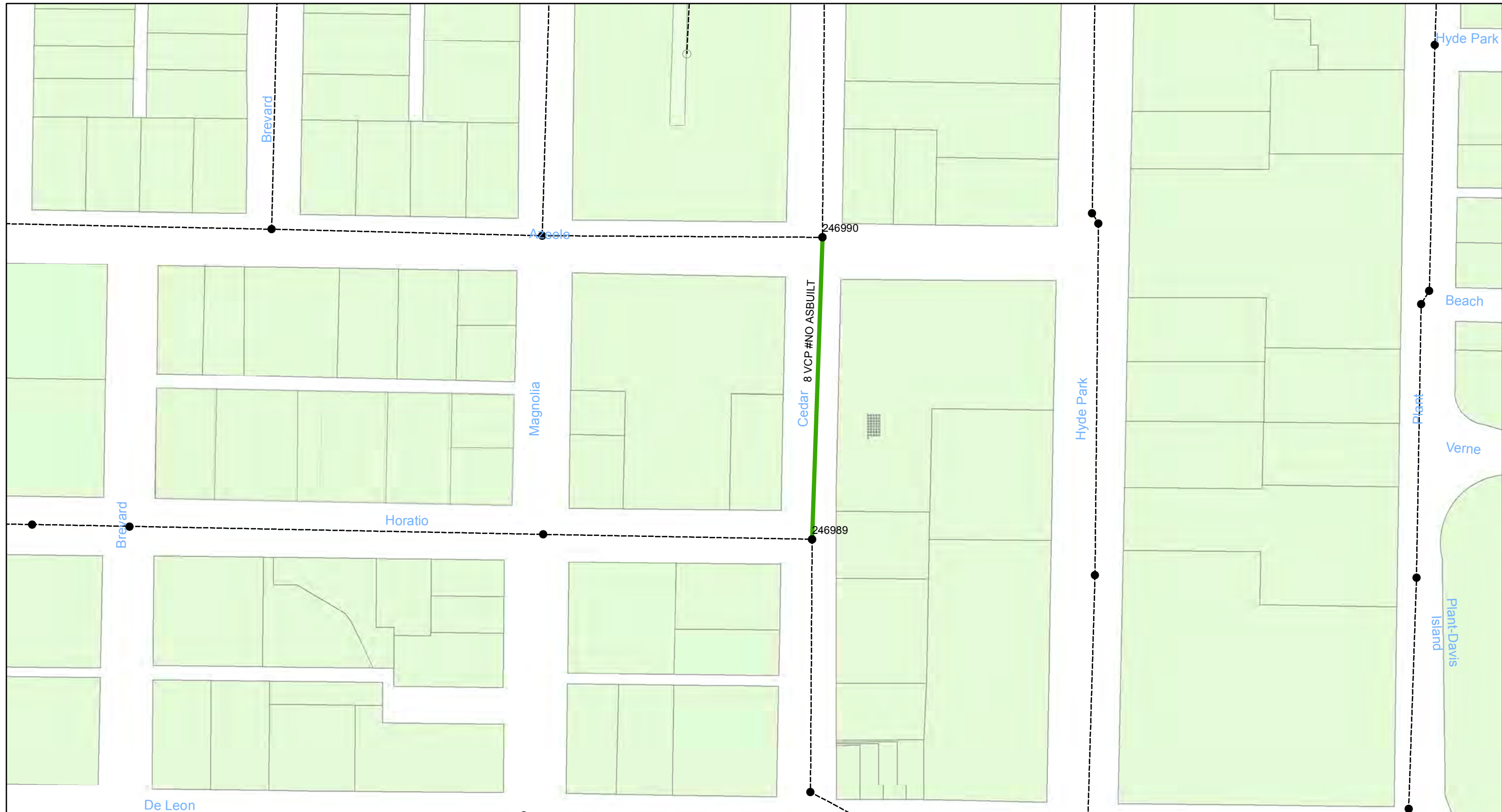
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- Lining Area
- Ex Wastewater (no rehabilitation required)

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0 0.0175 0.035 0.07 Miles

Wastewater Tuberculated Gravity Pipeline Rehabilitation, Phase 1
City of Tampa Wastewater Department

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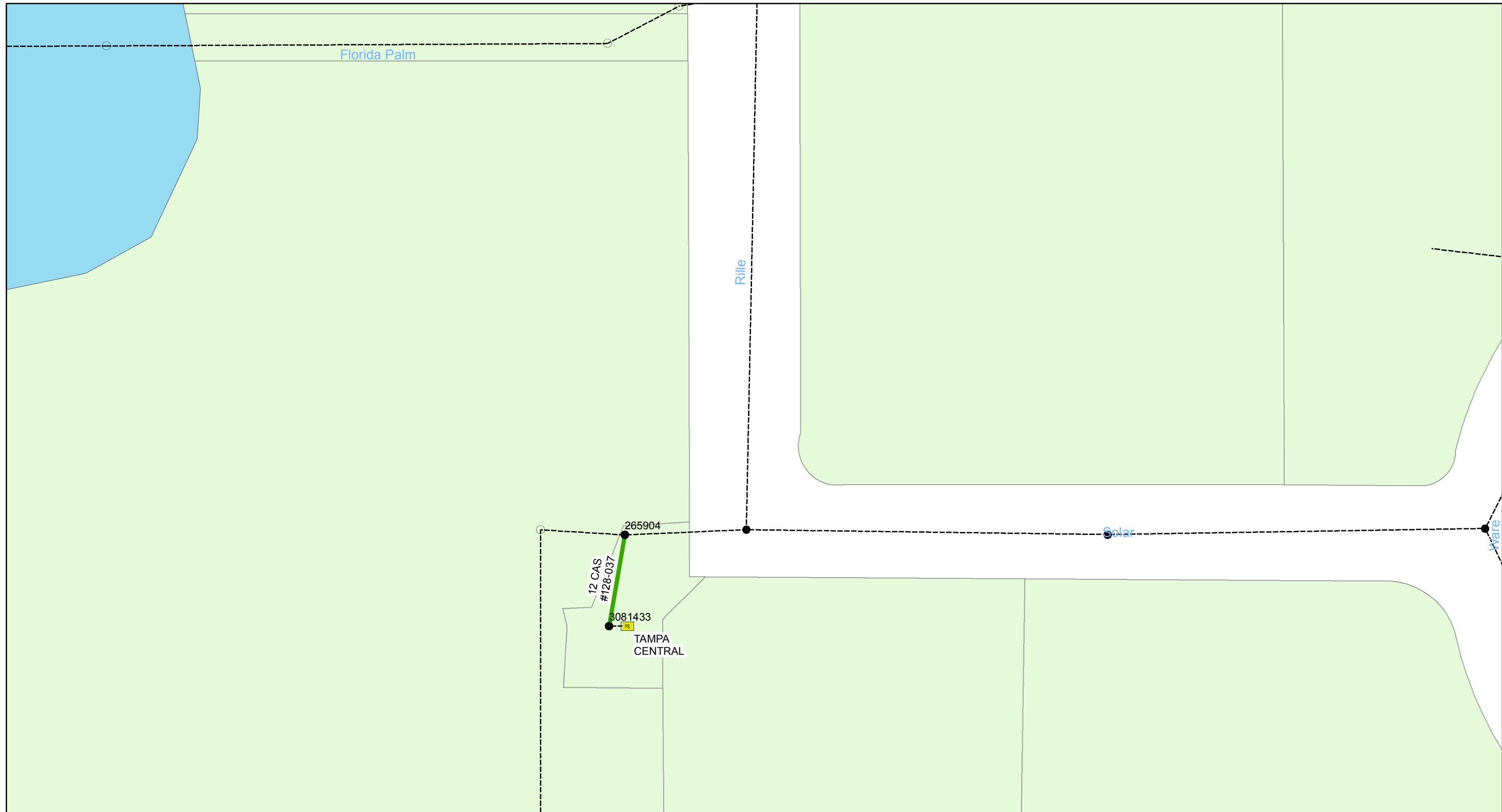
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**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

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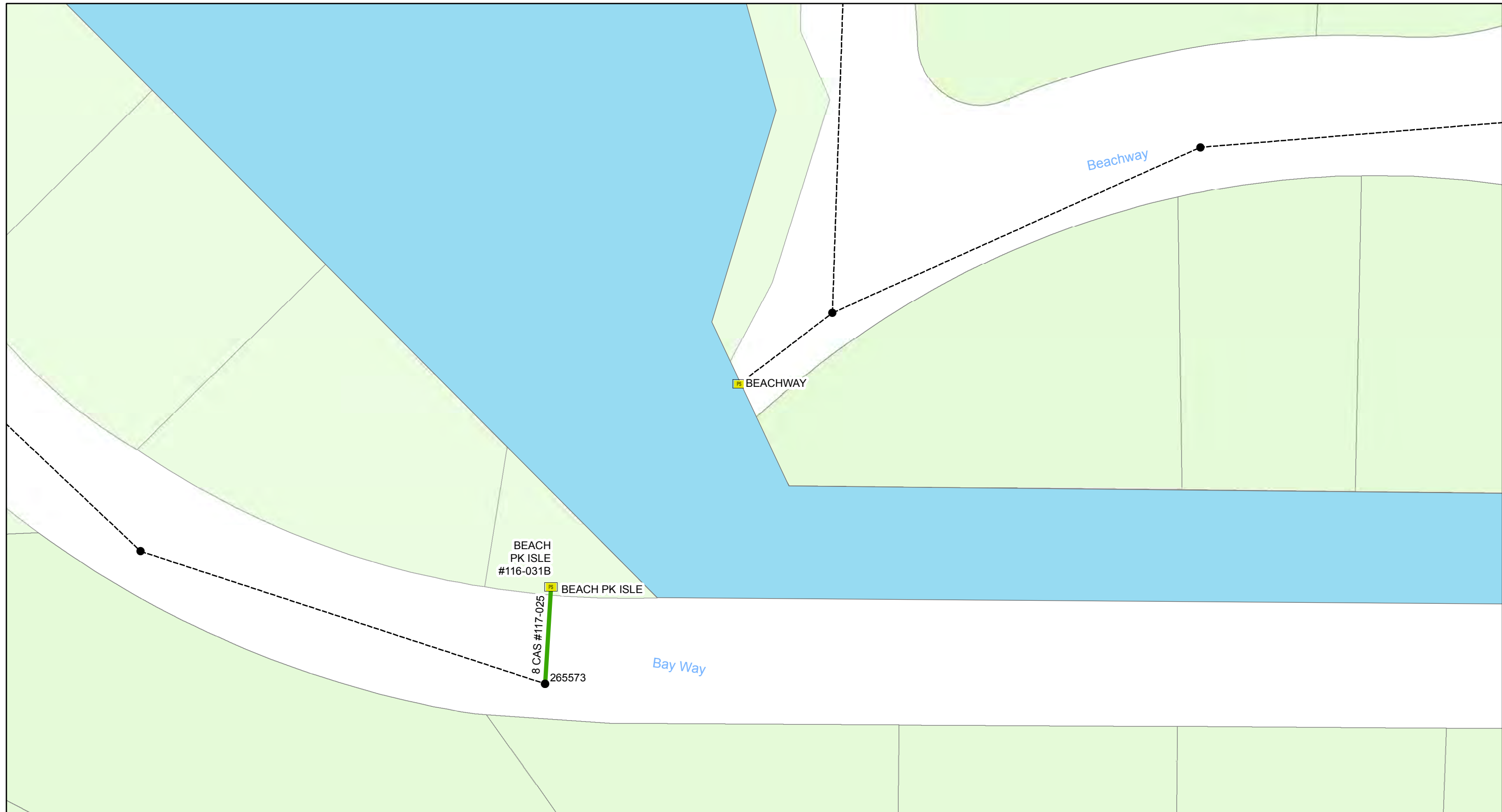
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- Ex Wastewater (no rehabilitation required)

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**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

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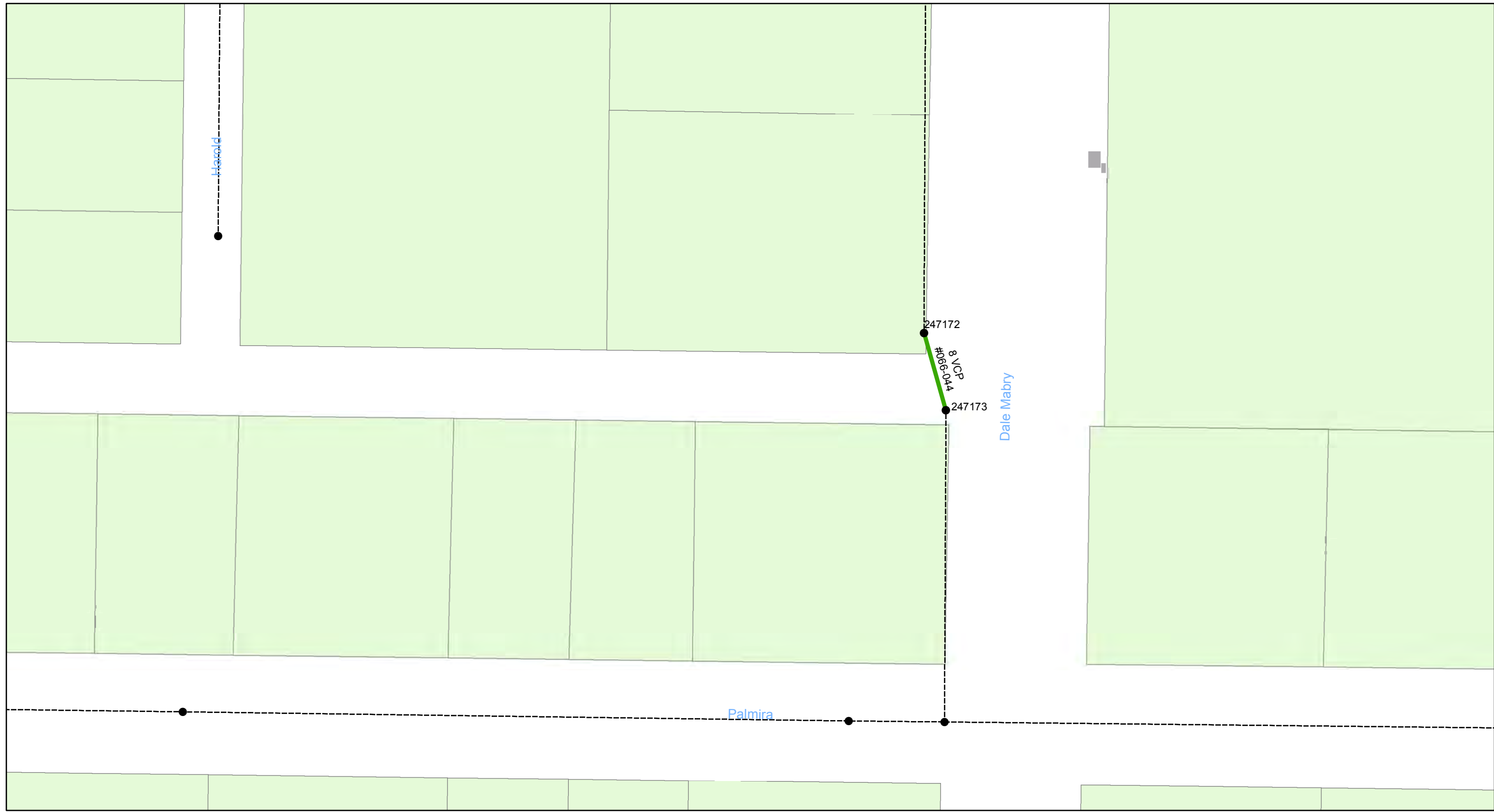
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Wastewater Tuberculated Gravity Pipeline Rehabilitation, Phase 1
City of Tampa Wastewater Department

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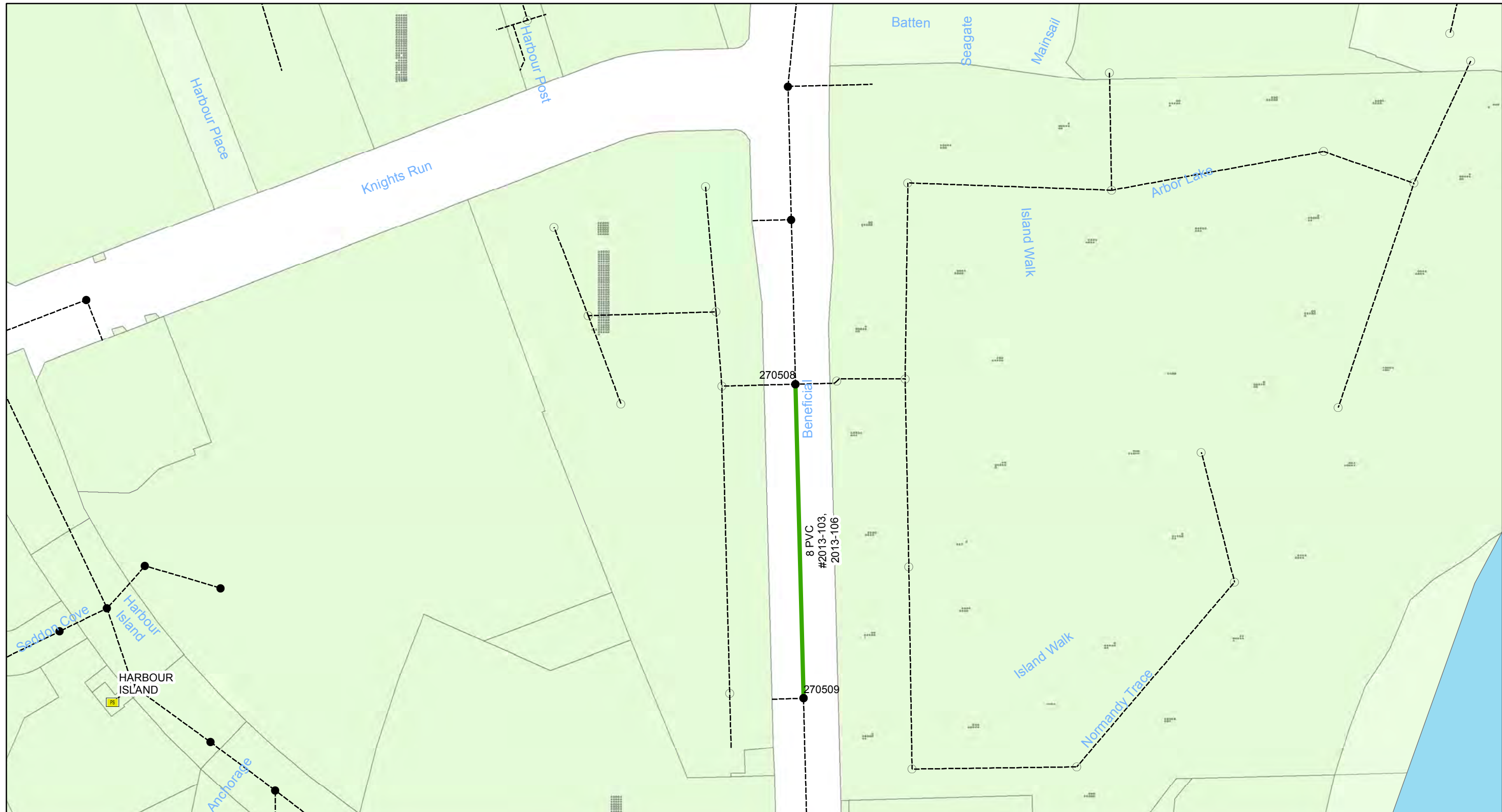
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**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

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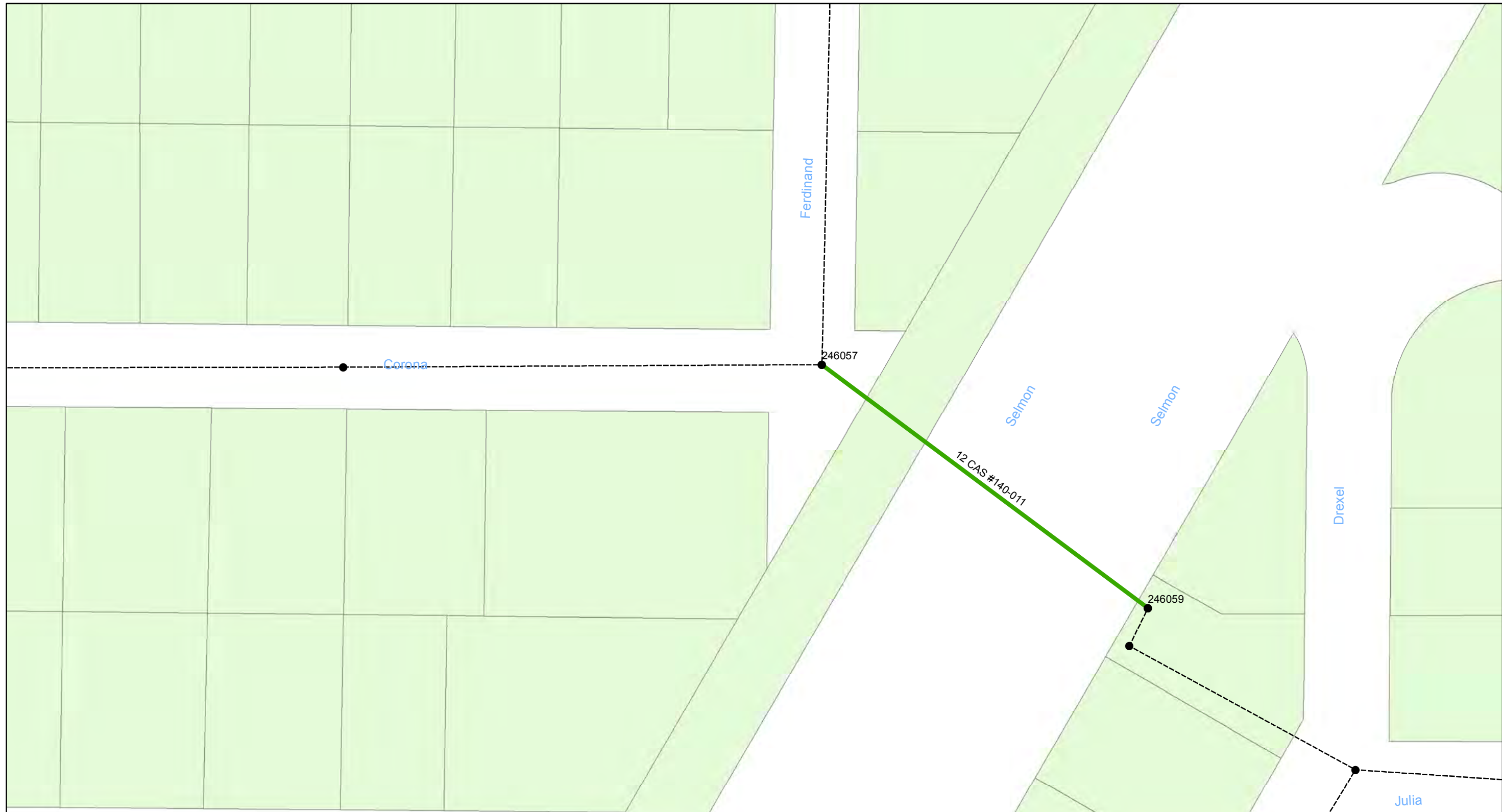
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- Lining Area
- Ex Wastewater (no rehabilitation required)

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**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

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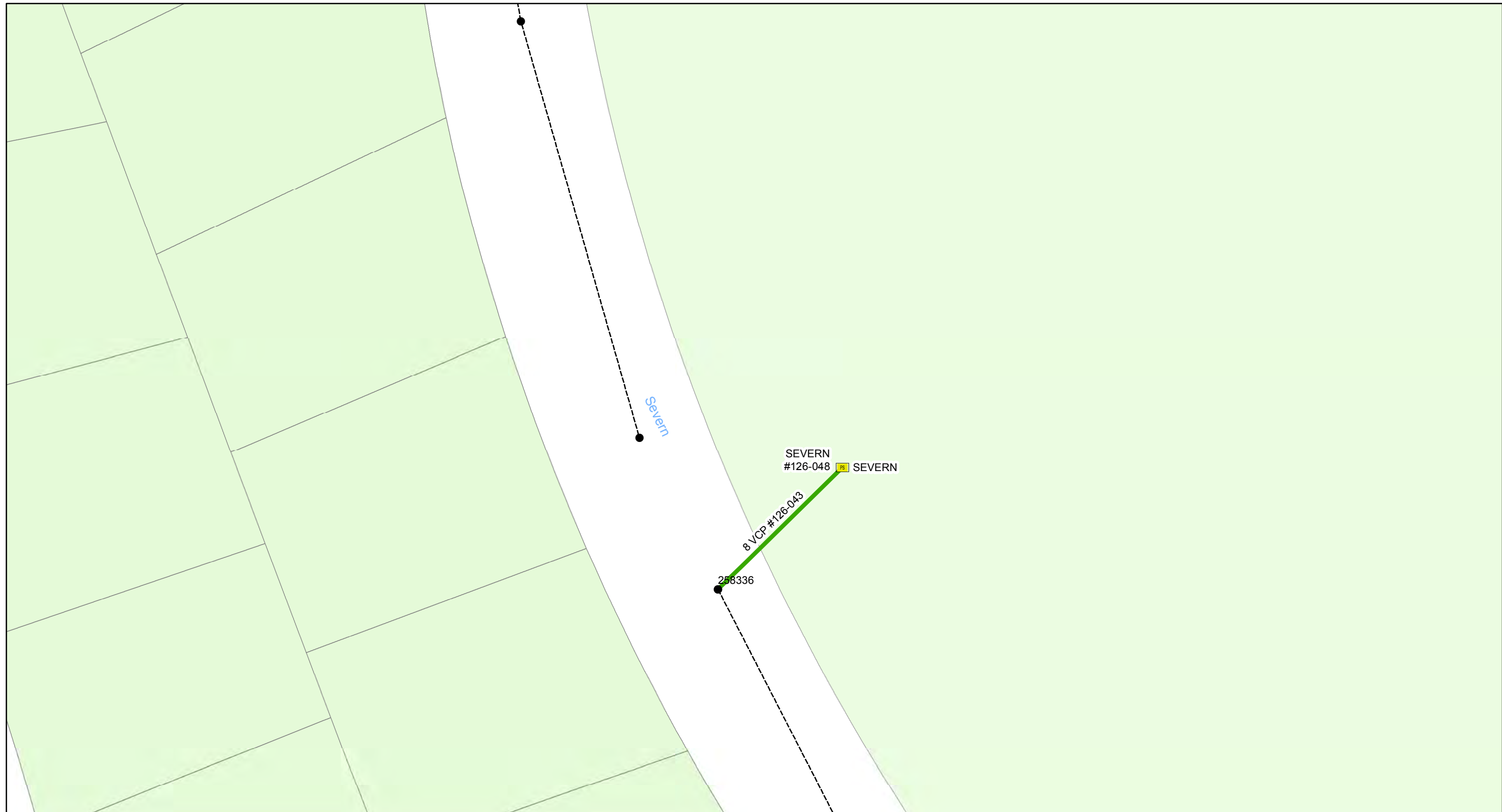
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

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0 0.005 0.01 0.02 Miles

**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

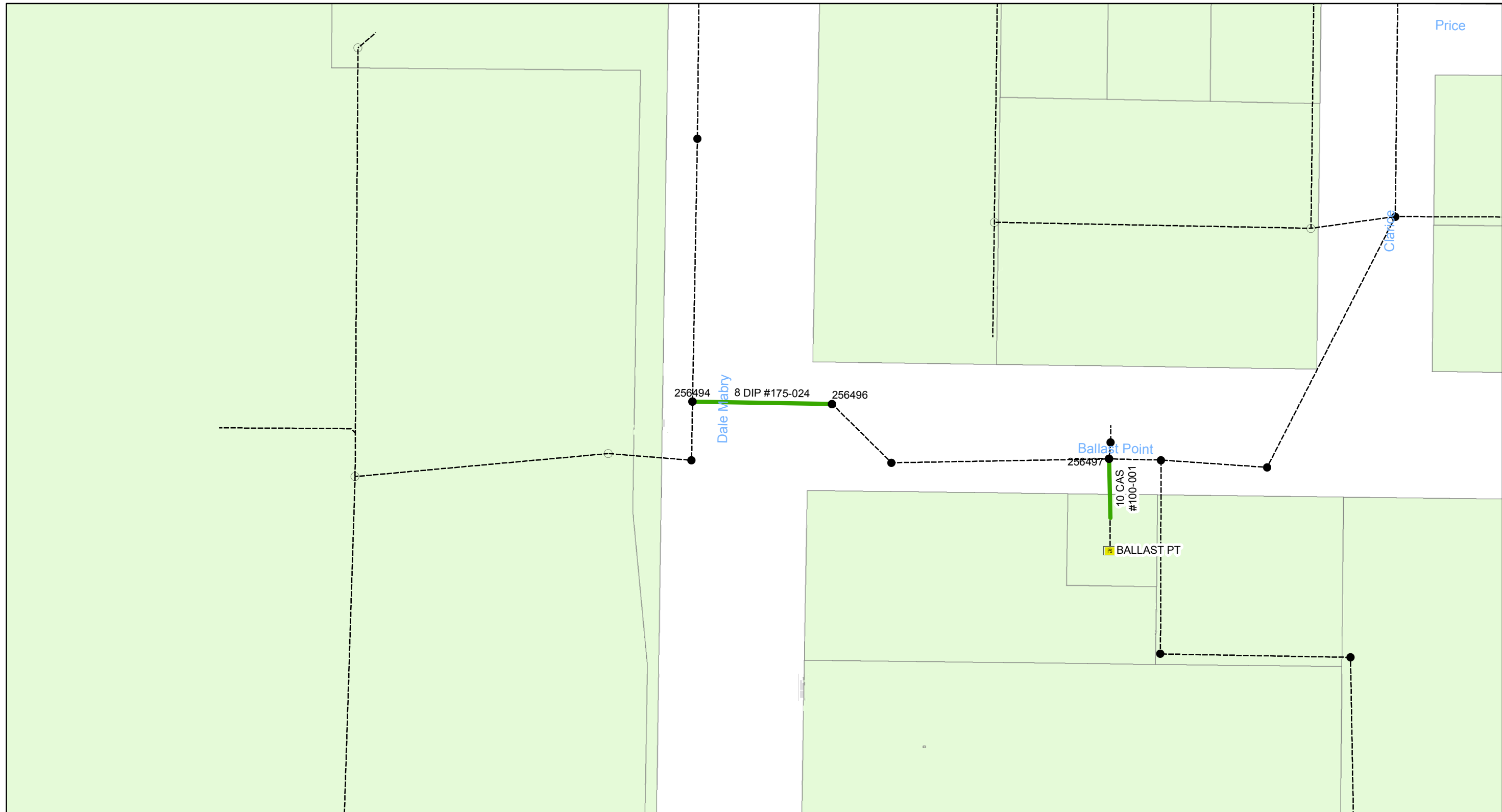
- Manholes
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**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

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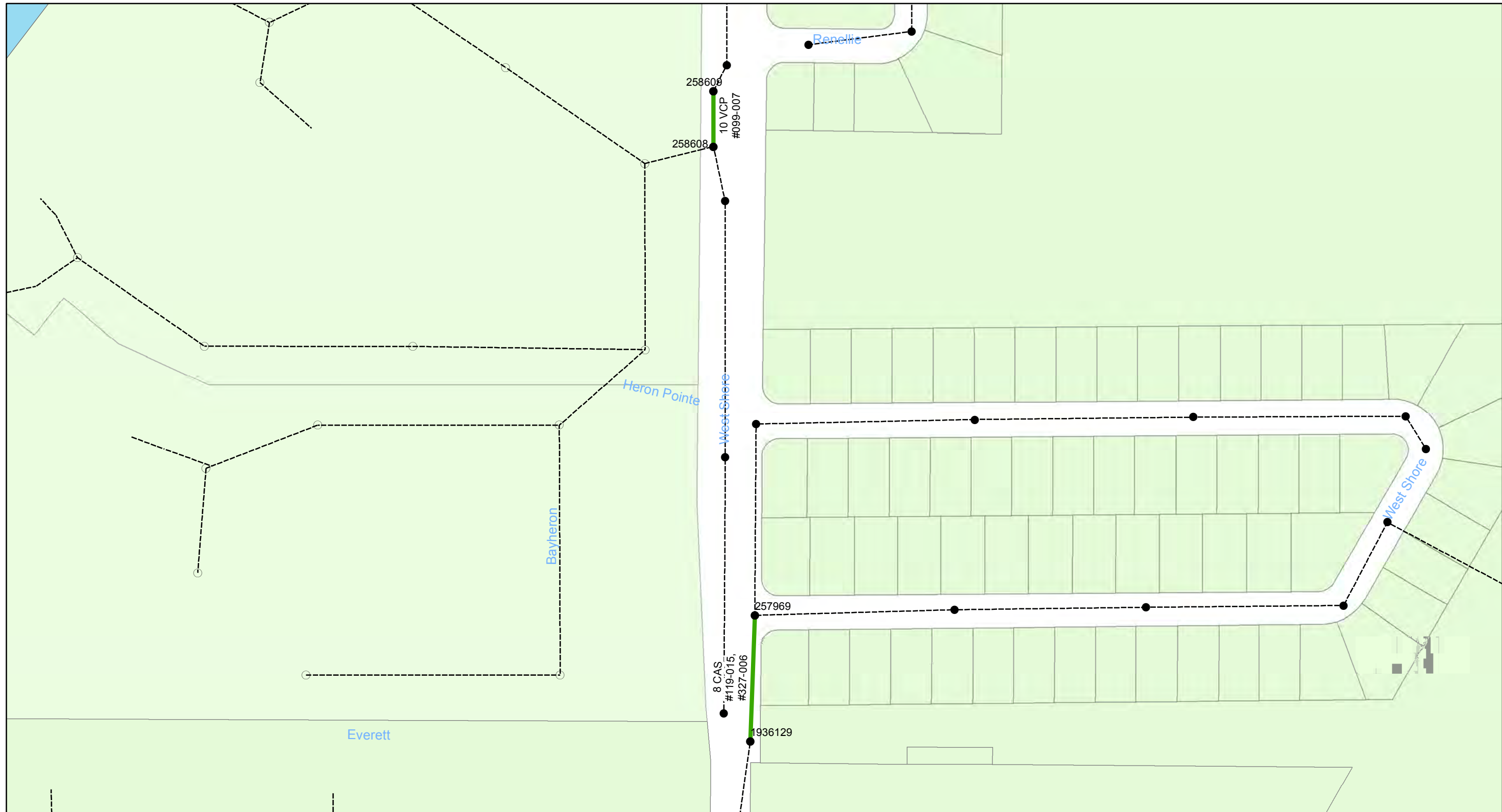
- Manholes
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**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

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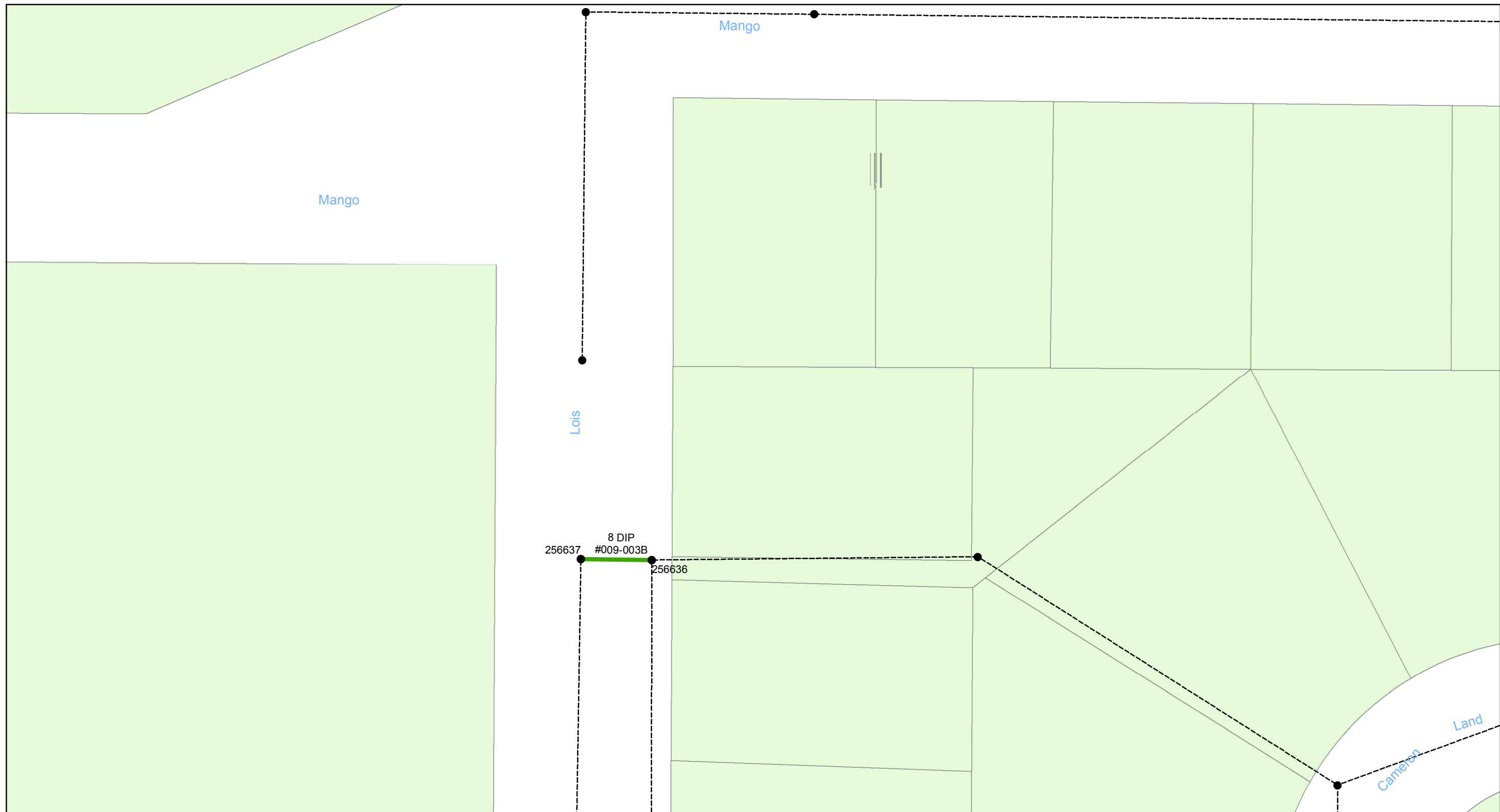
- Manholes
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0 0.005 0.01 0.02 Miles

**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

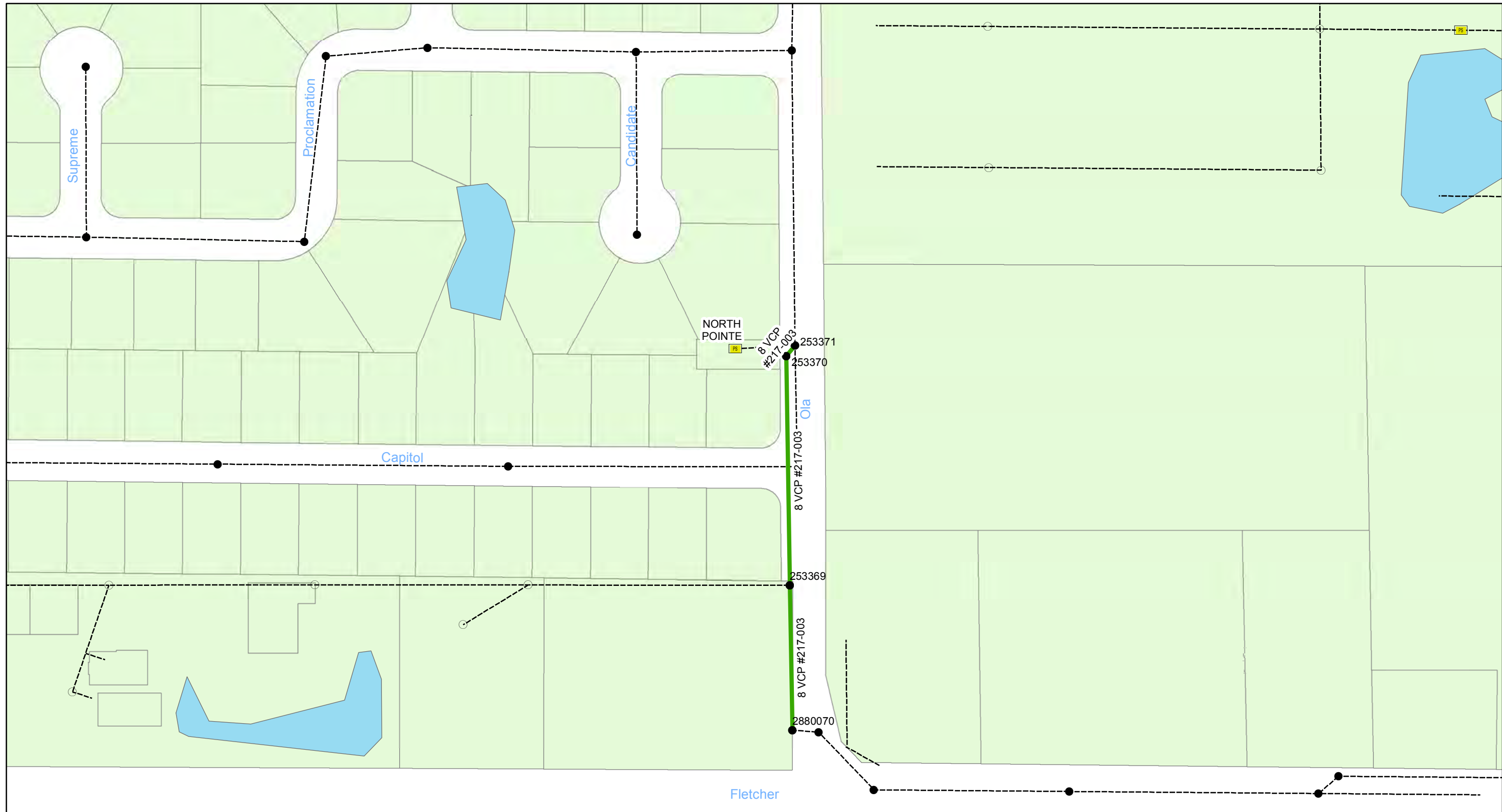
- Manholes
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Wastewater Tuberculated Gravity Pipeline Rehabilitation, Phase 1
 City of Tampa Wastewater Department

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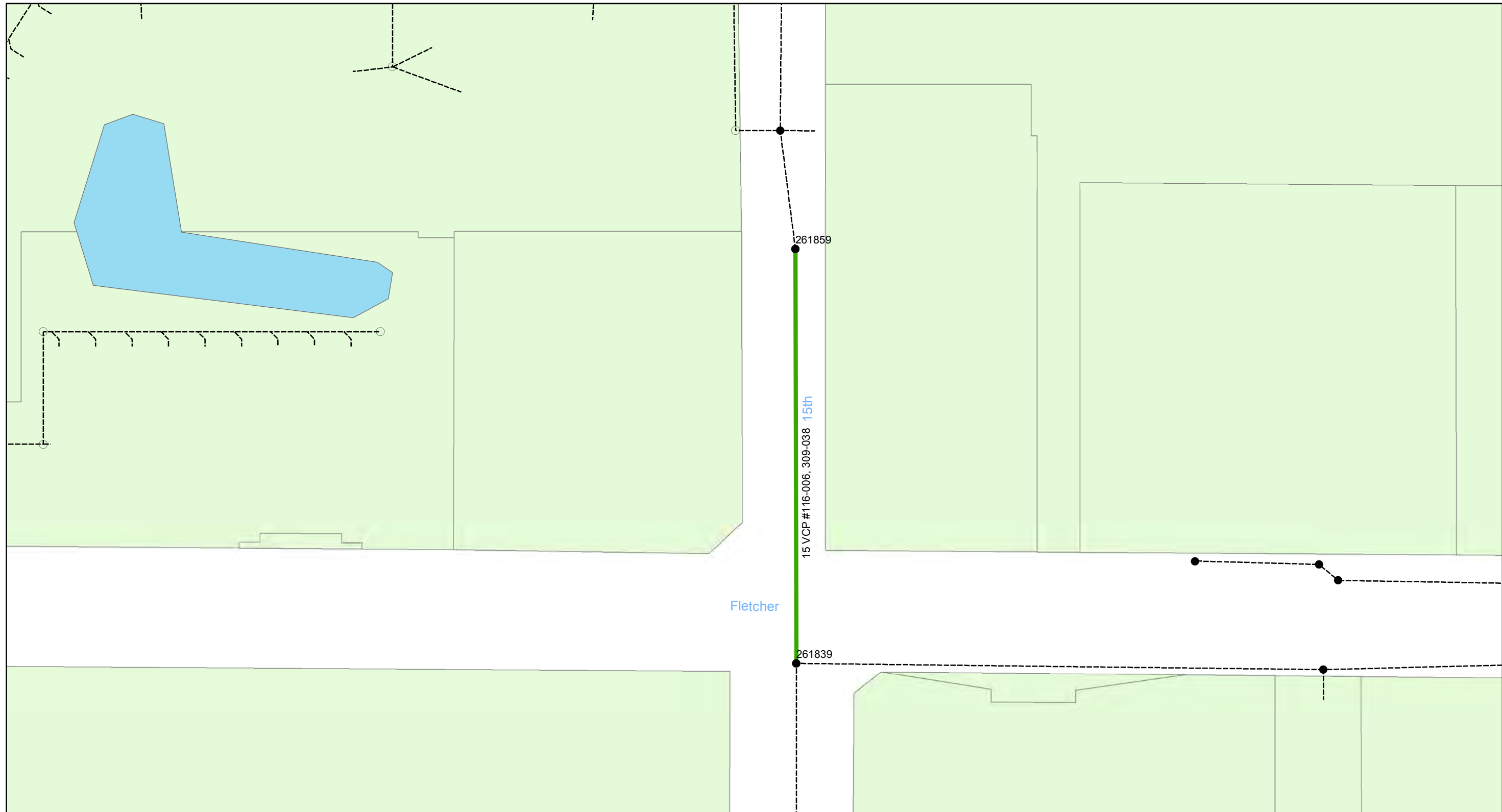
- Manholes
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**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

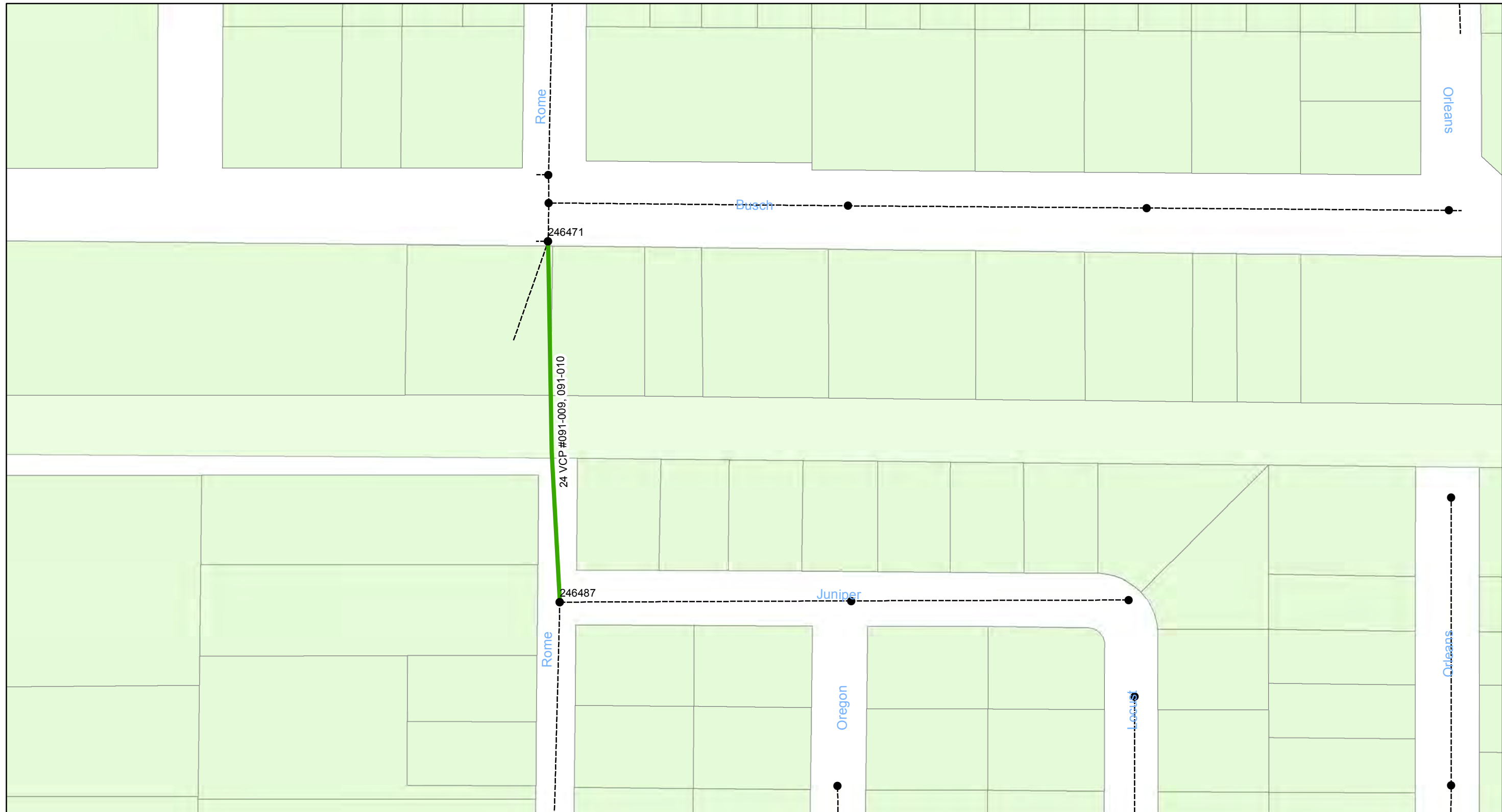
- Manholes
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)

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0 0.0125 0.025 0.05 Miles

**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

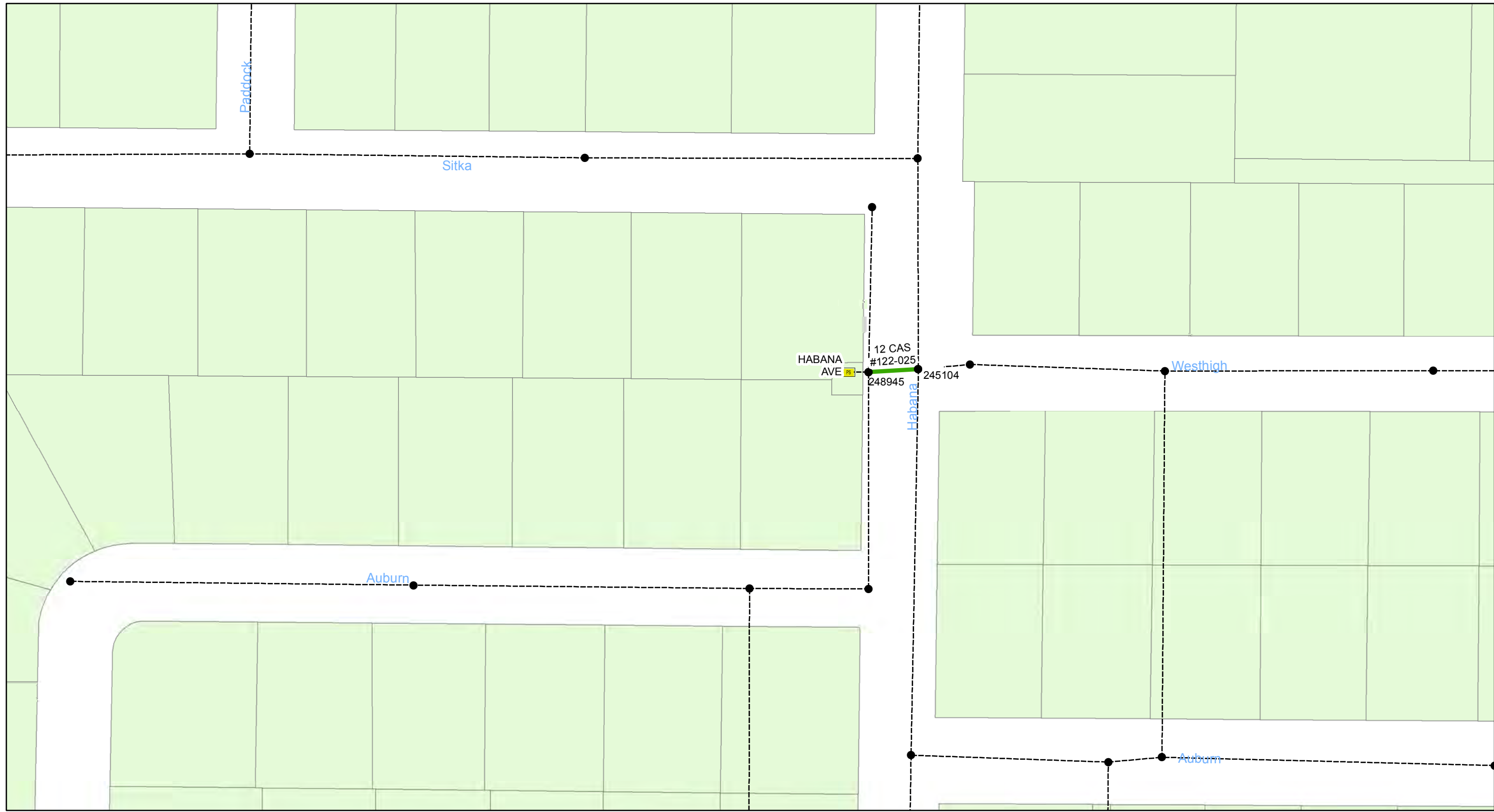
- Manholes
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**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

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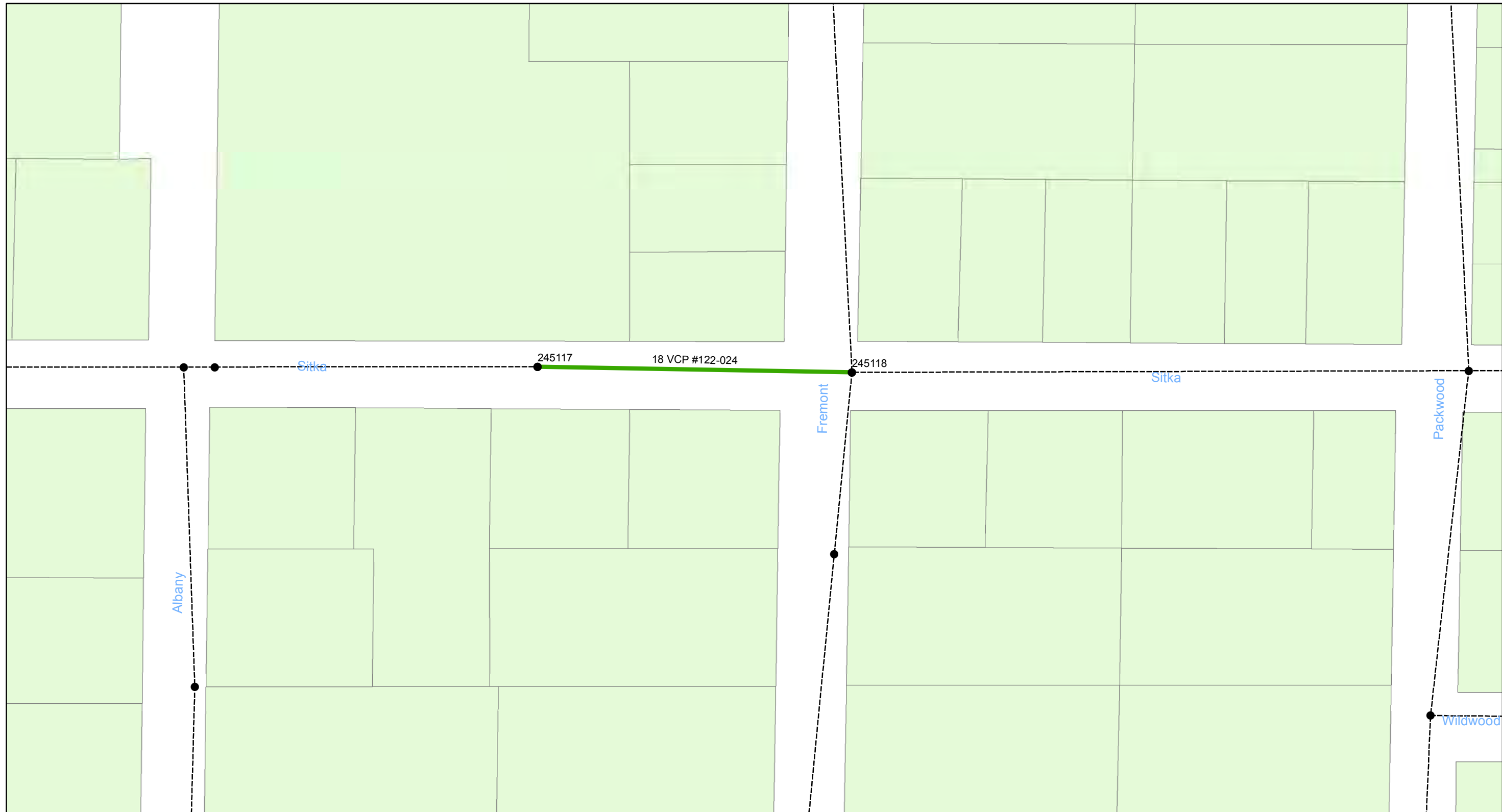
- Manholes
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0 0.01 0.02 0.04 Miles

**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

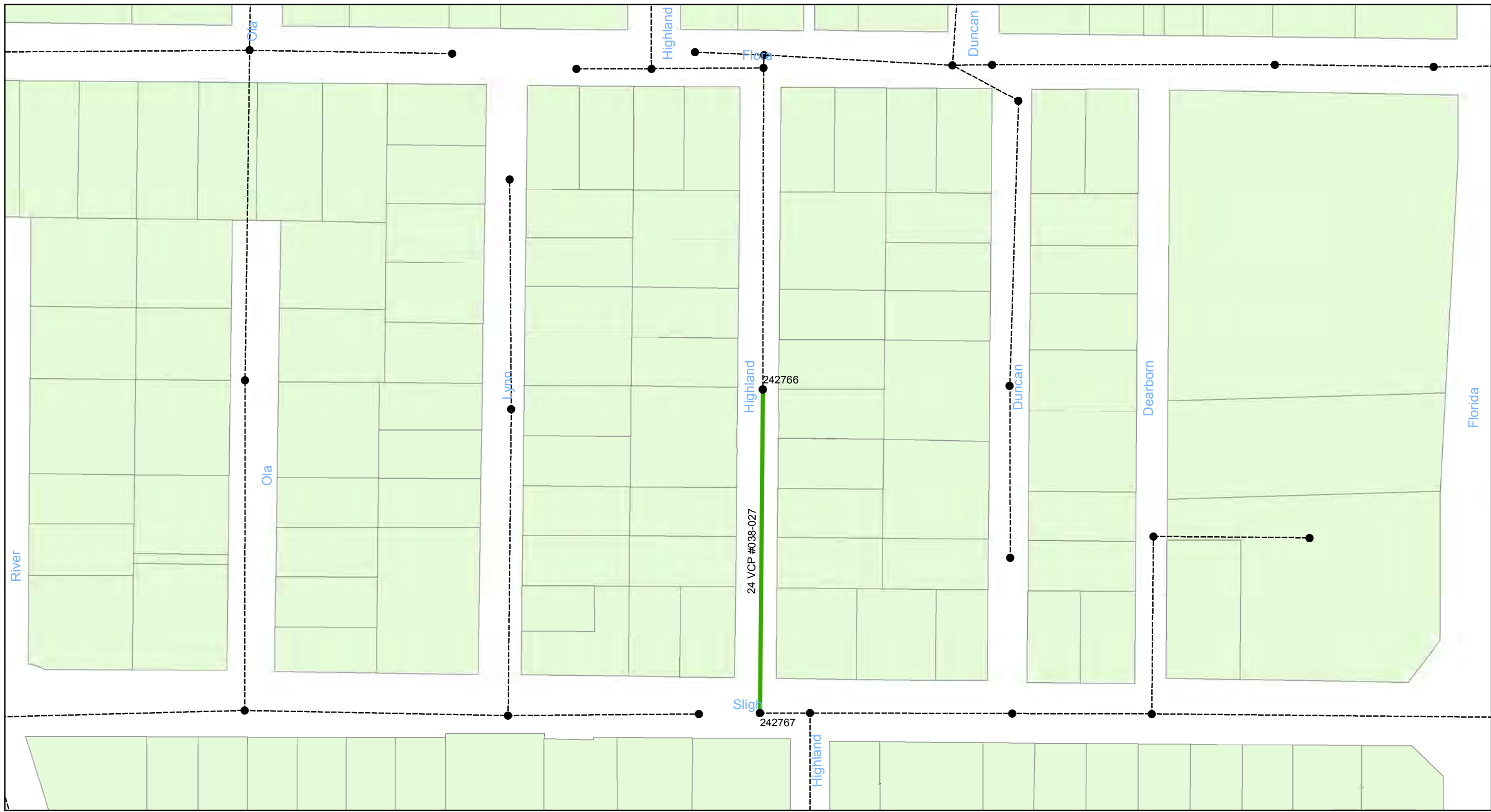
- Manholes
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0 0.015 0.03 0.06 Miles

Wastewater Tuberculated Gravity Pipeline Rehabilitation, Phase 1
City of Tampa Wastewater Department

Legend

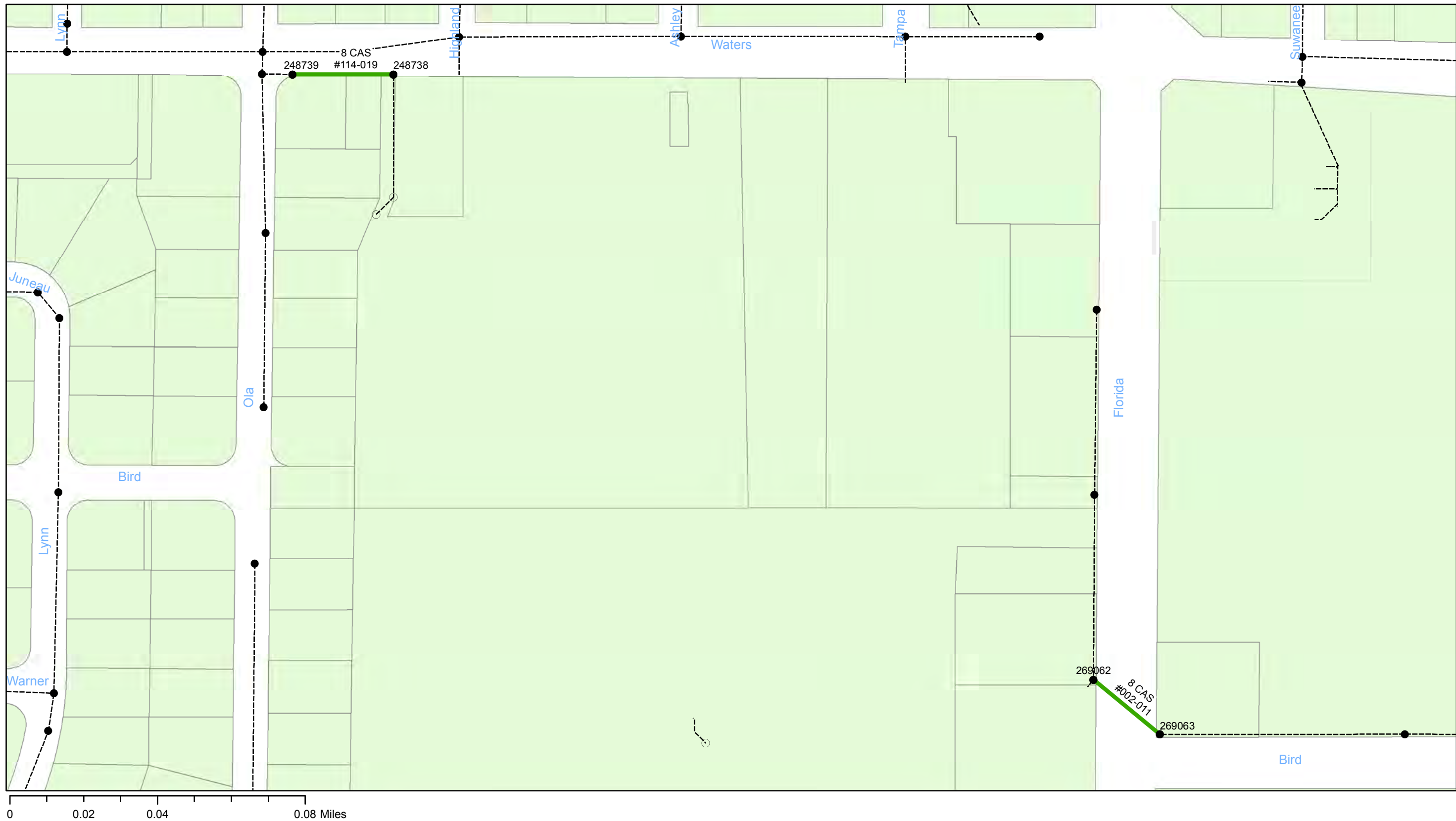
- Manholes
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**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

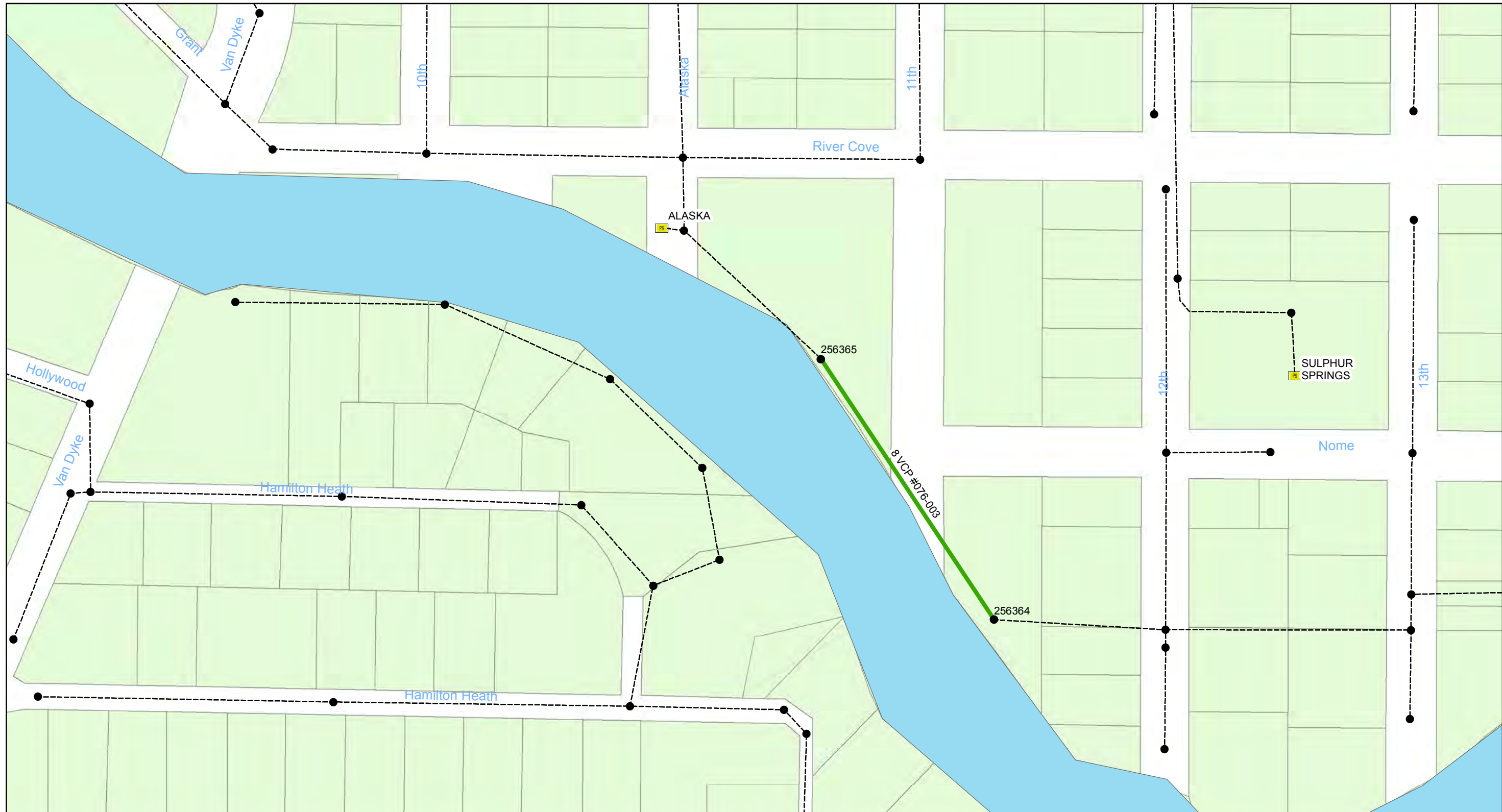
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

CONTRACT No. 17-C-00044

ATLAS PAGE D-12-4



Sheet No.
38
of 134



0 0.015 0.03 0.06 Miles

**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

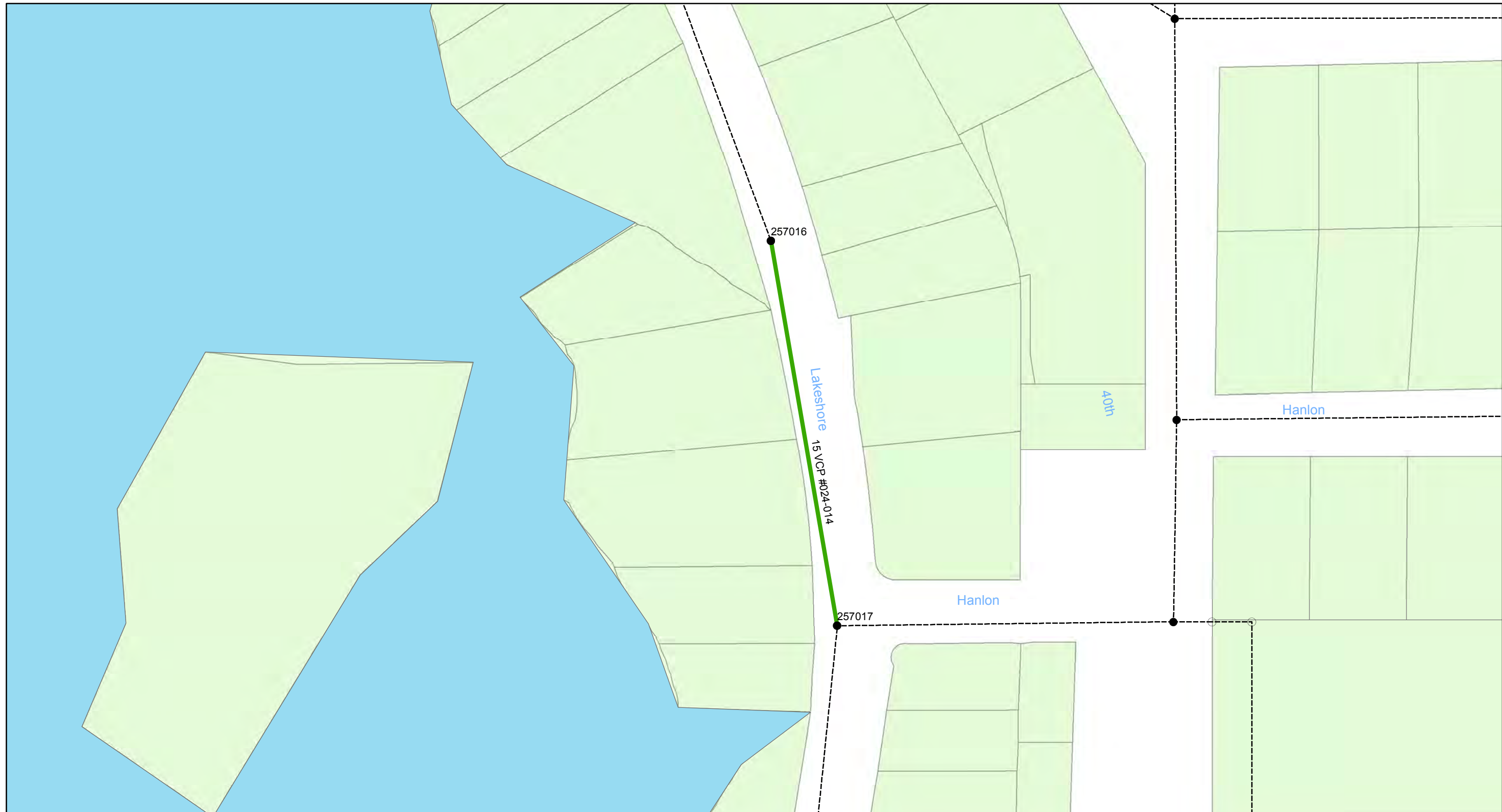
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

CONTRACT No. 17-C-00044

ATLAS PAGE D-13-4



Sheet No.
39
of 134



0 0.01 0.02 0.04 Miles

**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

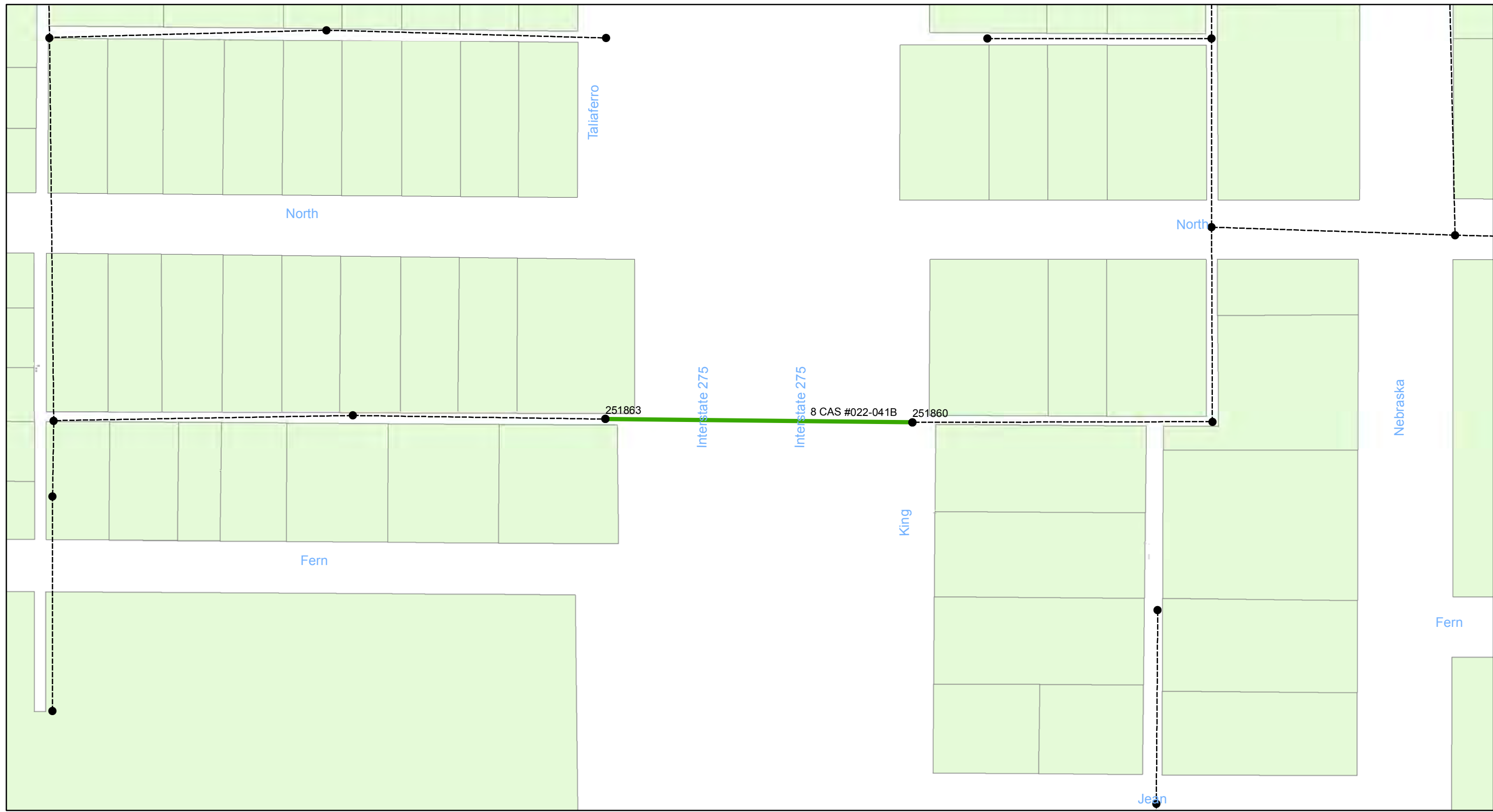
- Manholes
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)

CONTRACT No. 17-C-00044

ATLAS PAGE D-15-4



Sheet No.
40
of 134



0 0.0125 0.025 0.05 Miles

Wastewater Tuberculated Gravity Pipeline Rehabilitation, Phase 1
 City of Tampa Wastewater Department

Legend

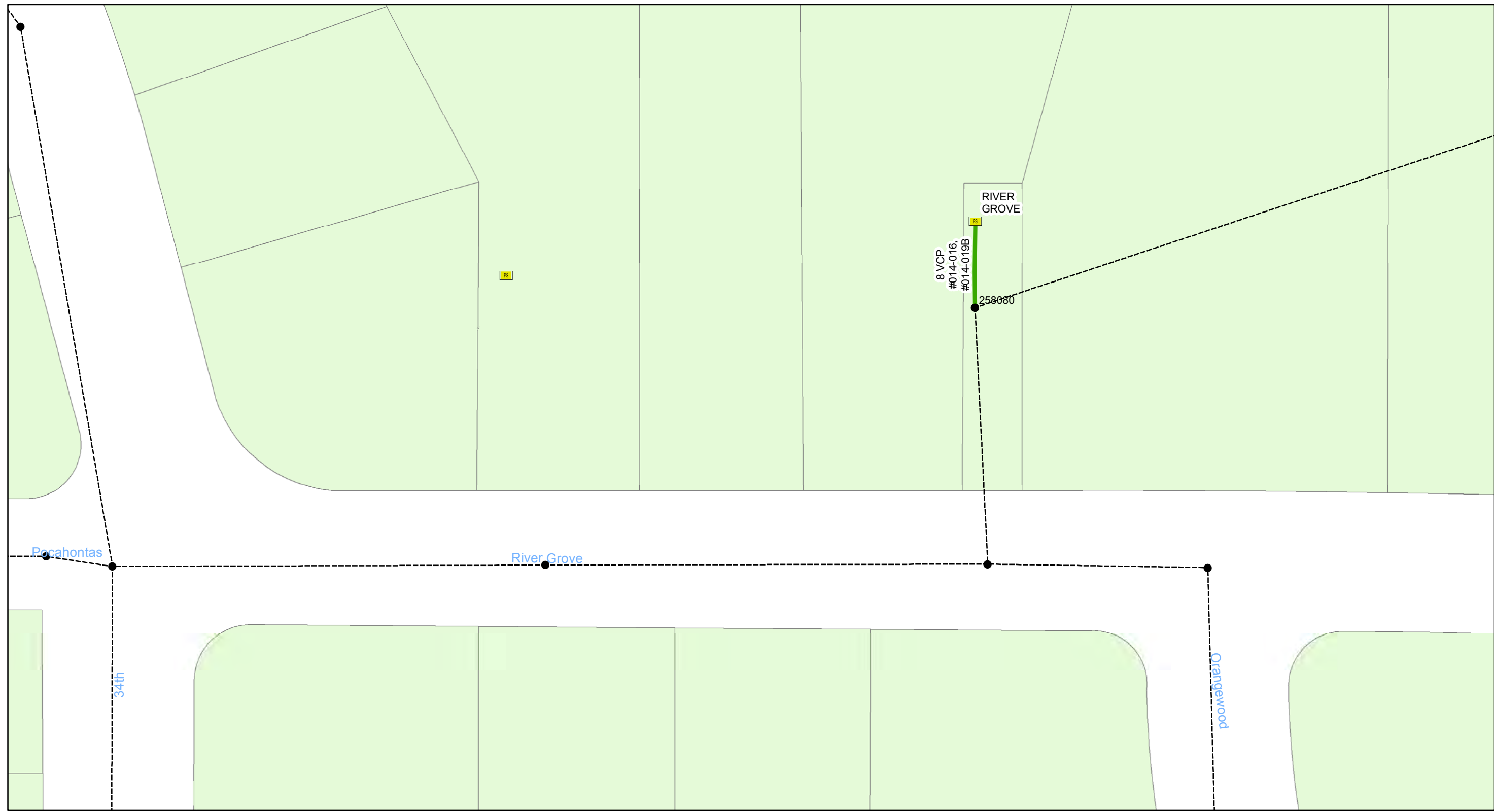
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

CONTRACT No. 17-C-00044

ATLAS PAGE E-12-1



Sheet No.
41
 of 134



Wastewater Tuberculated Gravity Pipeline Rehabilitation, Phase 1
City of Tampa Wastewater Department

Legend

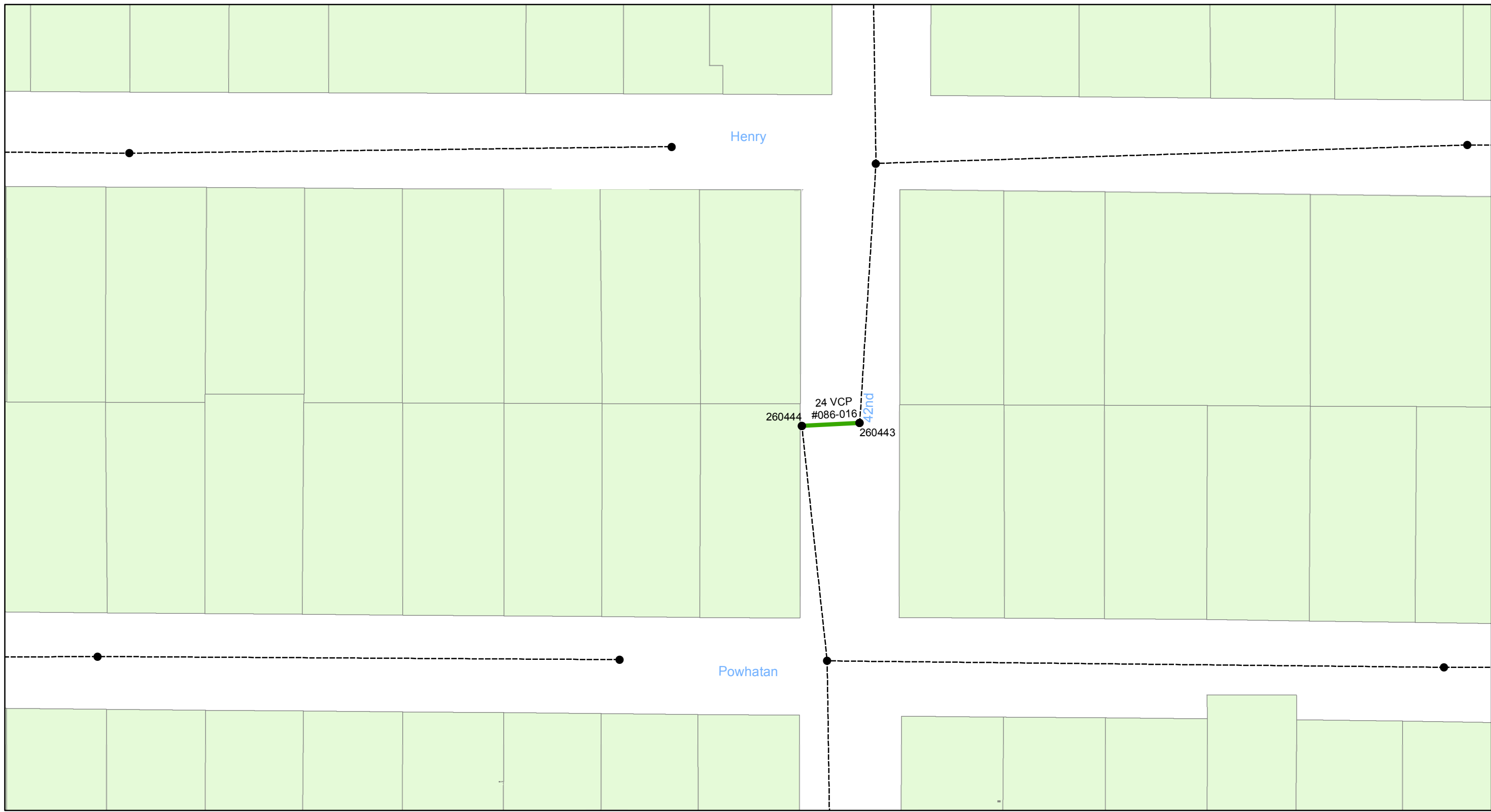
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

CONTRACT No. 17-C-00044

ATLAS PAGE E-14-1



Sheet No.
42
of 134



0 0.0075 0.015 0.03 Miles

**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

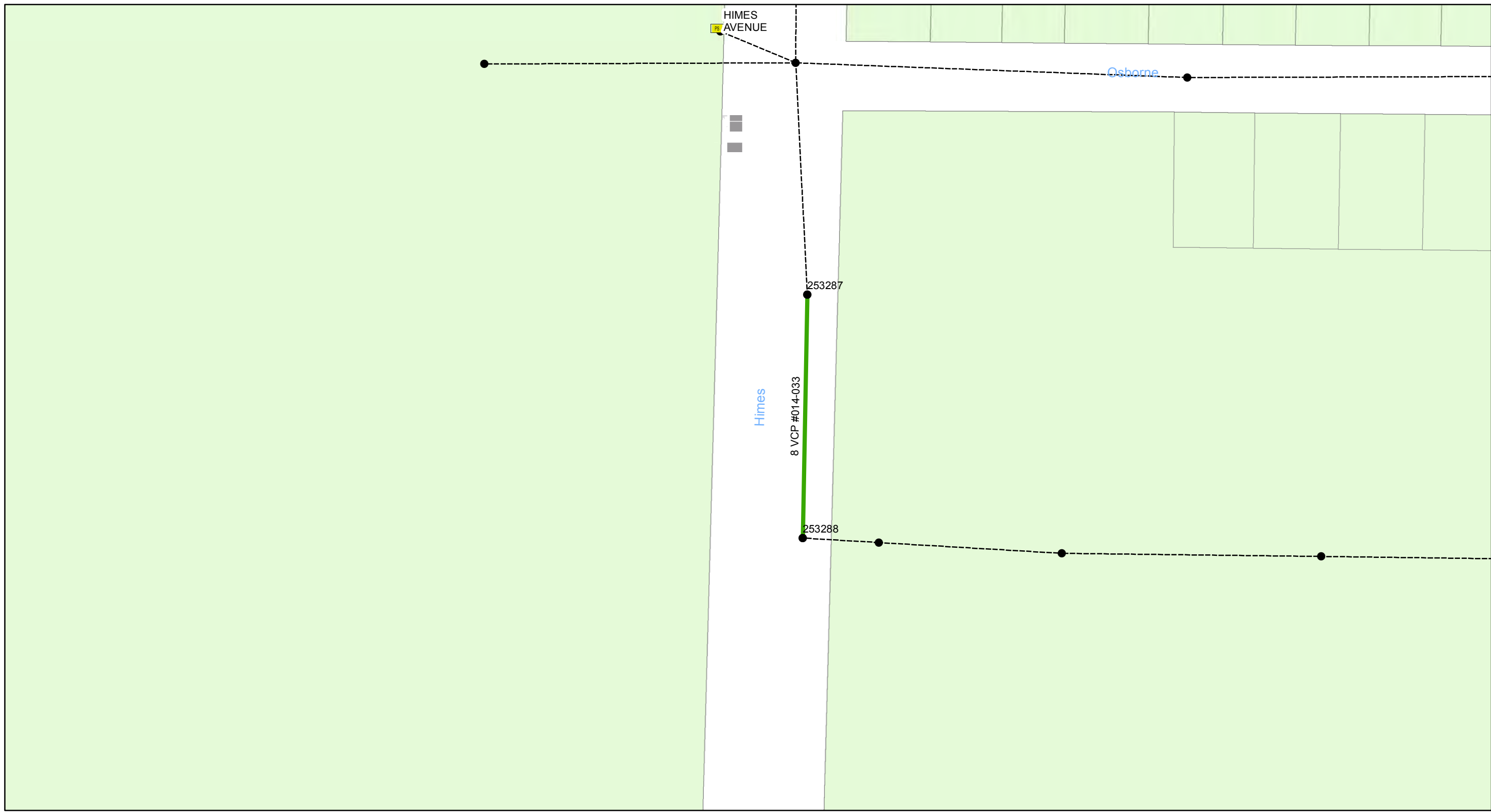
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

CONTRACT No. 17-C-00044

ATLAS PAGE E-15-3



Sheet No.
43
of 134



**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

CONTRACT No. 17-C-00044

ATLAS PAGE F-10-3



Sheet No.
44
of 134



0 0.0275 0.055 0.11 Miles

Wastewater Tuberculated Gravity Pipeline Rehabilitation, Phase 1
 City of Tampa Wastewater Department

Legend

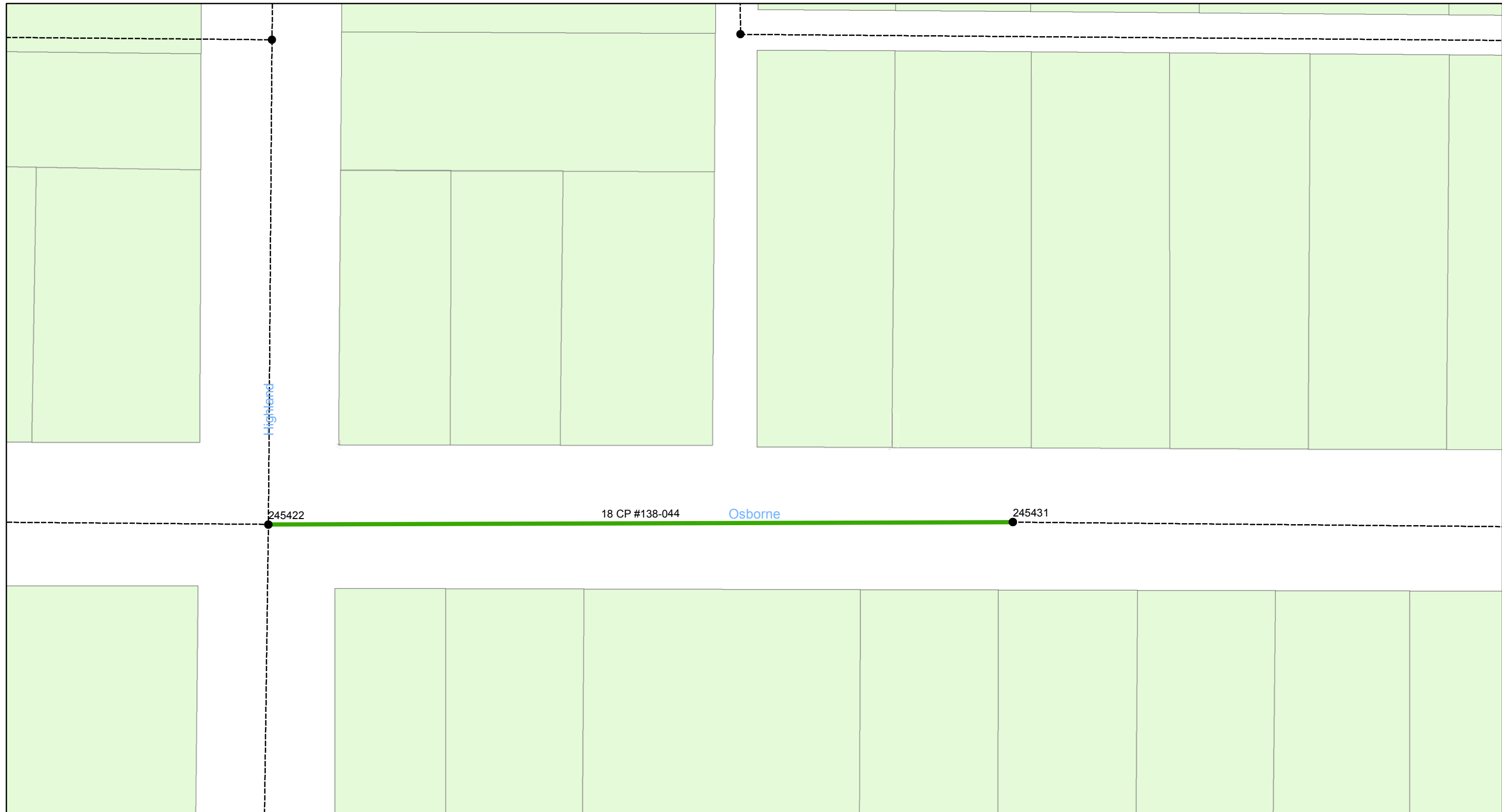
- Manholes
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)

CONTRACT No. 17-C-00044

ATLAS PAGE F-12-2



Sheet No.
45
 of 134



0 0.005 0.01 0.02 Miles

**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

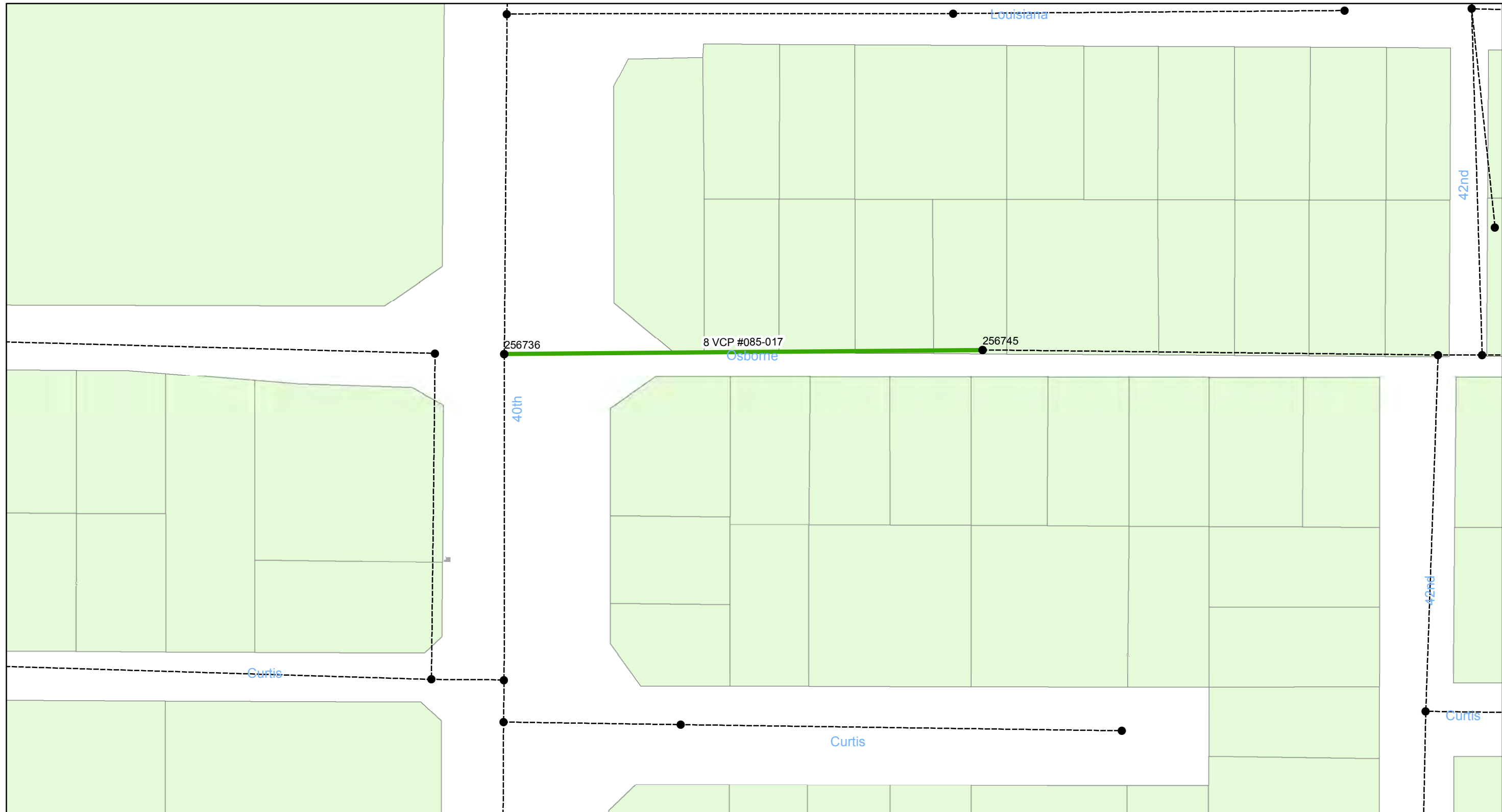
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

CONTRACT No. 17-C-00044

ATLAS PAGE F-12-4



Sheet No.
46
of 134



0 0.01 0.02 0.04 Miles

**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

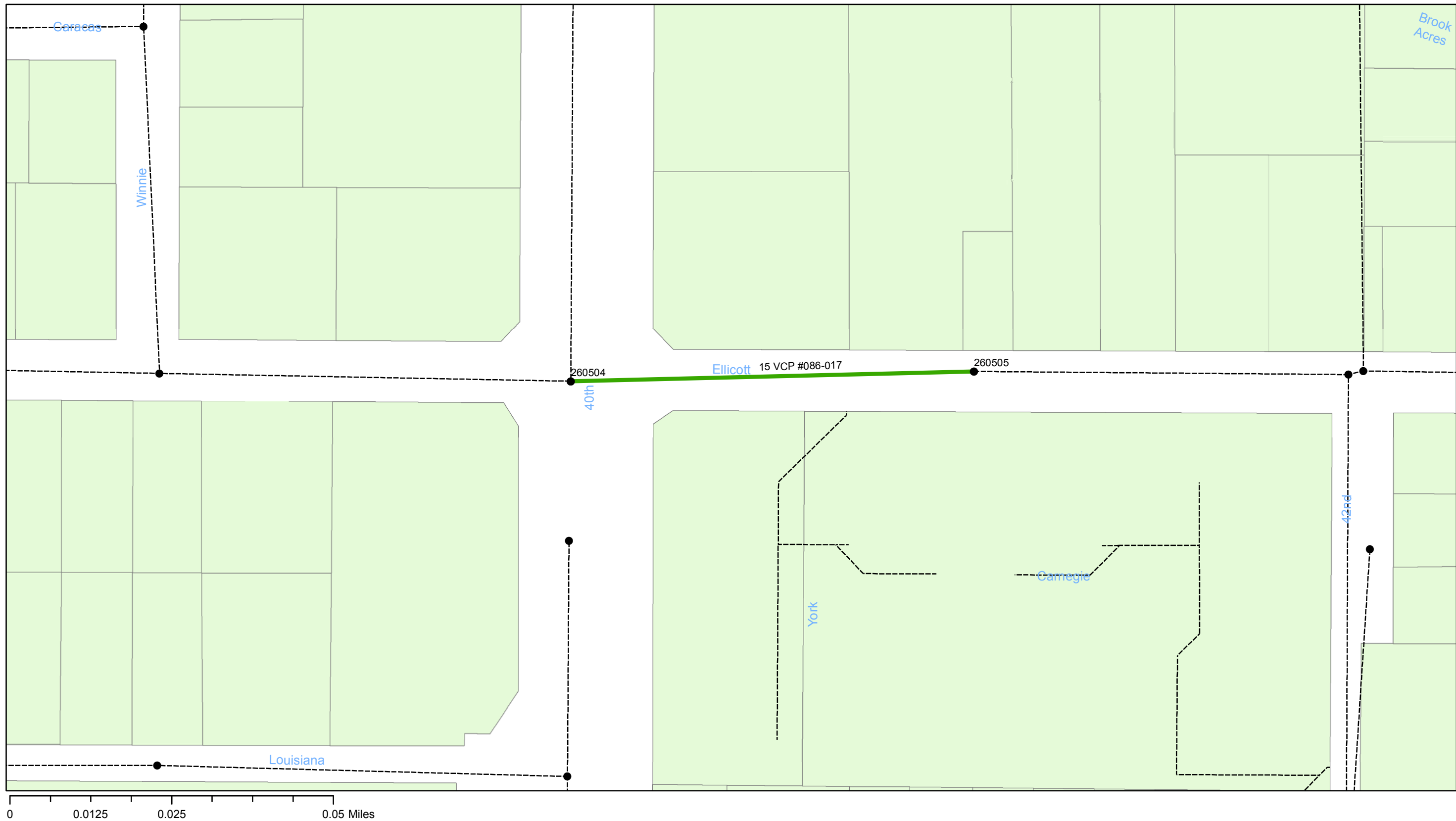
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

CONTRACT No. 17-C-00044

ATLAS PAGE F-15-3



Sheet No.
47
of 134



**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

CONTRACT No. 17-C-00044

ATLAS PAGE F-15-4



Sheet No.
48
of 134



**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

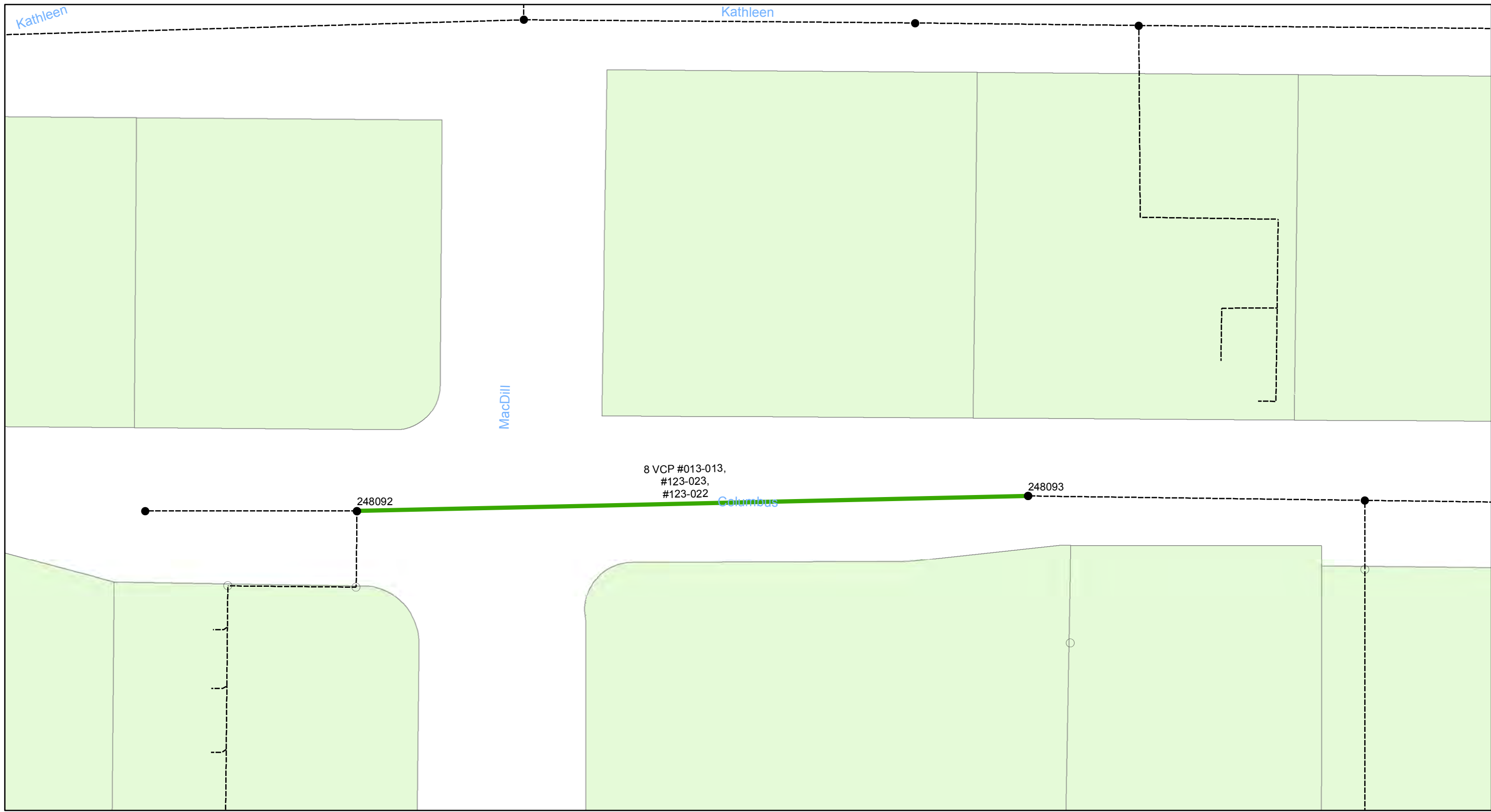
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

CONTRACT No. 17-C-00044

ATLAS PAGE G-6-3



Sheet No.
49
of 134



Wastewater Tuberculated Gravity Pipeline Rehabilitation, Phase 1
 City of Tampa Wastewater Department

Legend

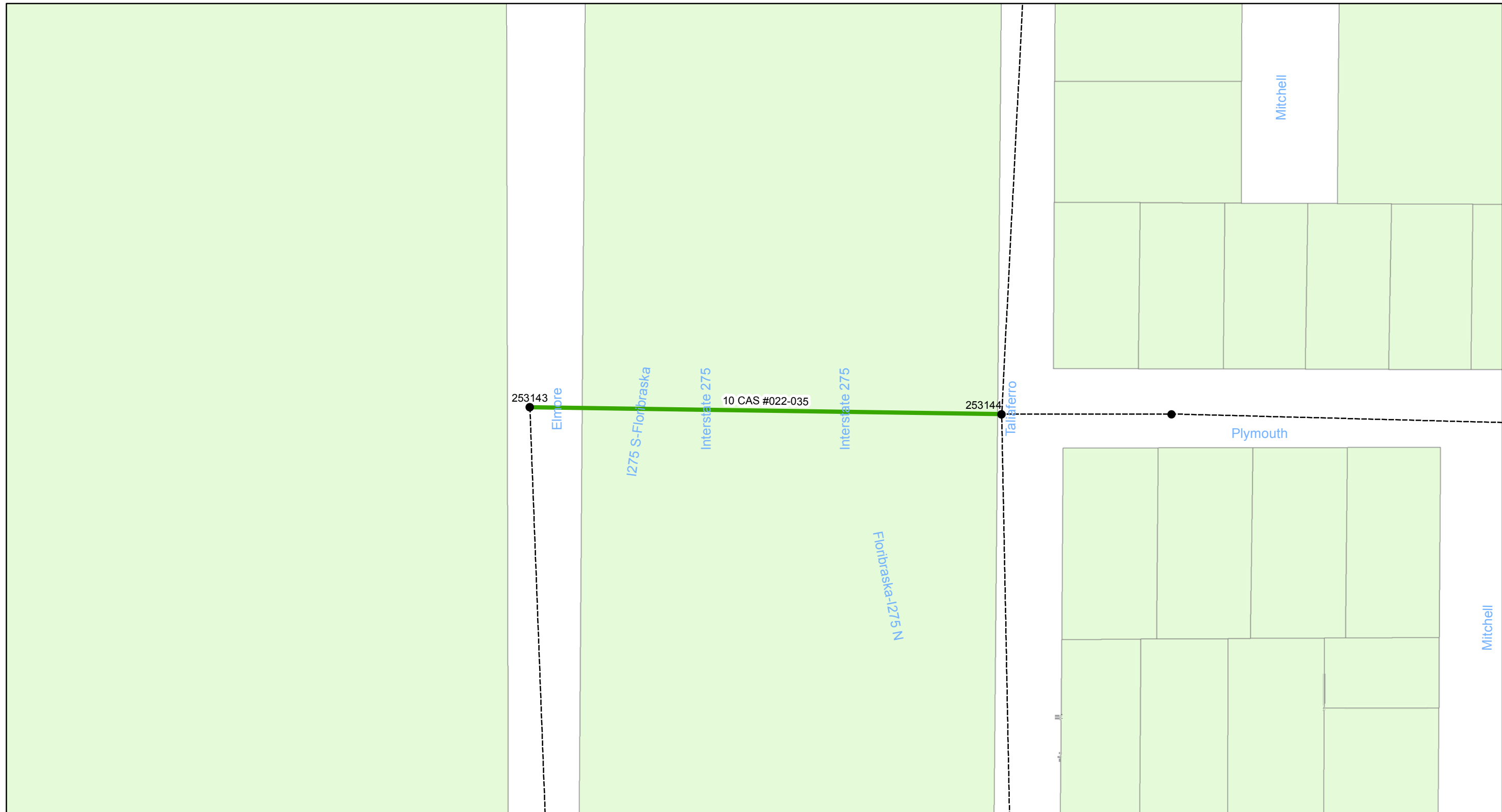
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

CONTRACT No. 17-C-00044

ATLAS PAGE G-10-2



Sheet No.
50
 of 134



0 0.0075 0.015 0.03 Miles

Wastewater Tuberculated Gravity Pipeline Rehabilitation, Phase 1
 City of Tampa Wastewater Department

Legend

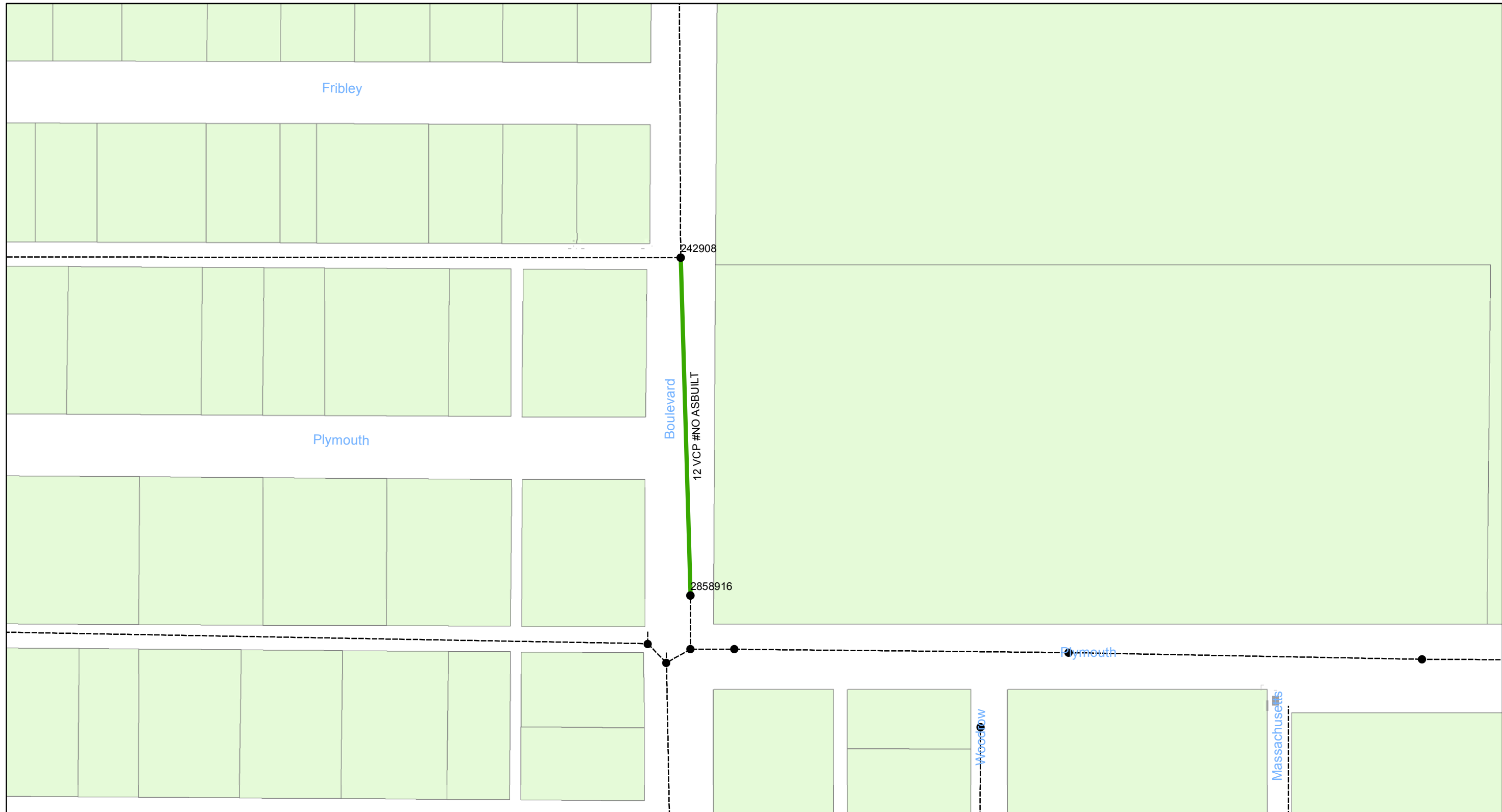
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

CONTRACT No. 17-C-00044

ATLAS PAGE G-12-2



Sheet No.
51
 of 134



0 0.0125 0.025 0.05 Miles

**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

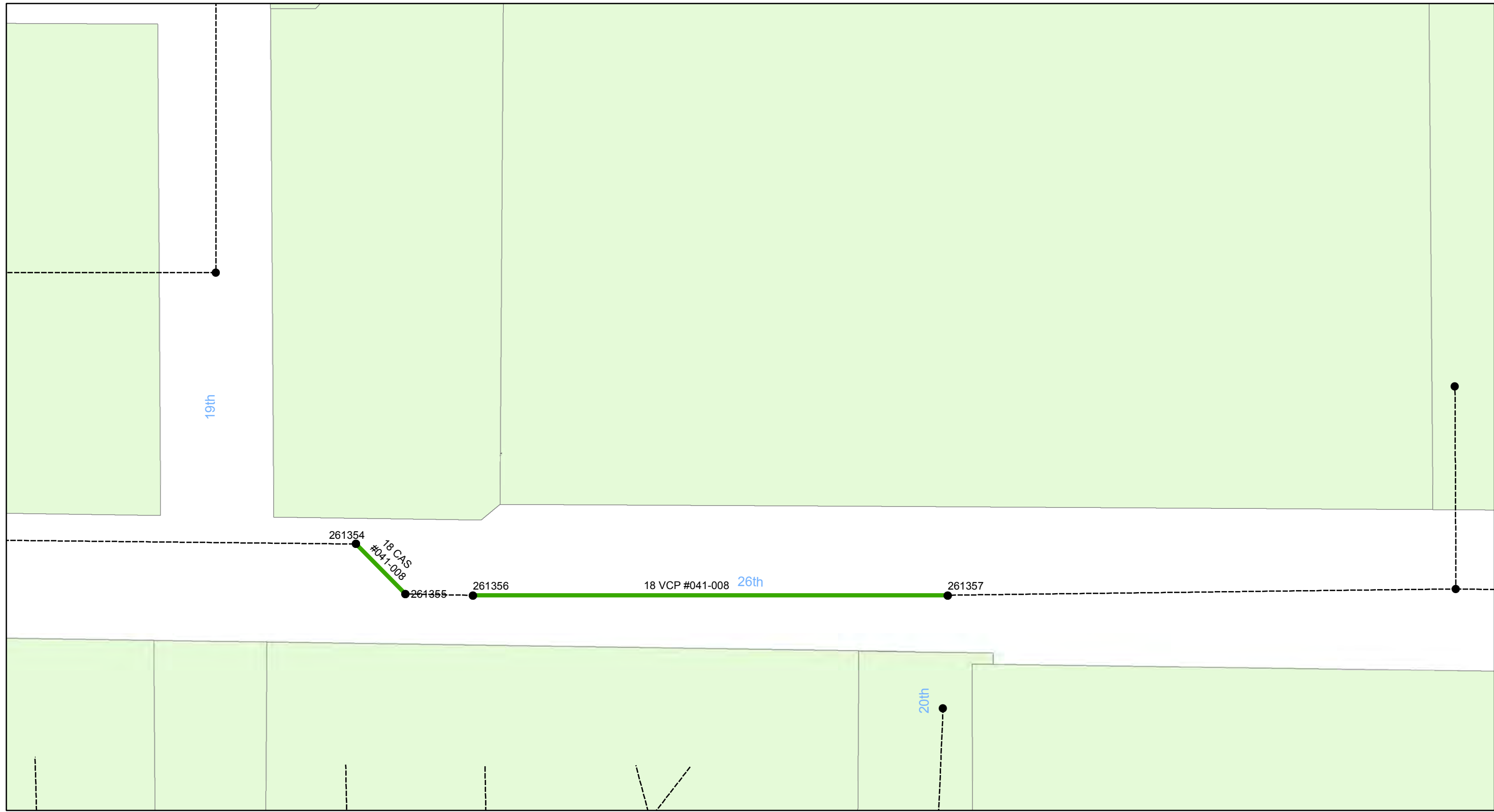
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

CONTRACT No. 17-C-00044

ATLAS PAGE G-12-3



Sheet No.
52
of 134



0 0.005 0.01 0.02 Miles

Wastewater Tuberculated Gravity Pipeline Rehabilitation, Phase 1
 City of Tampa Wastewater Department

Legend

- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

CONTRACT No. 17-C-00044

ATLAS PAGE G-13-2



Sheet No.
53
 of 134



**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

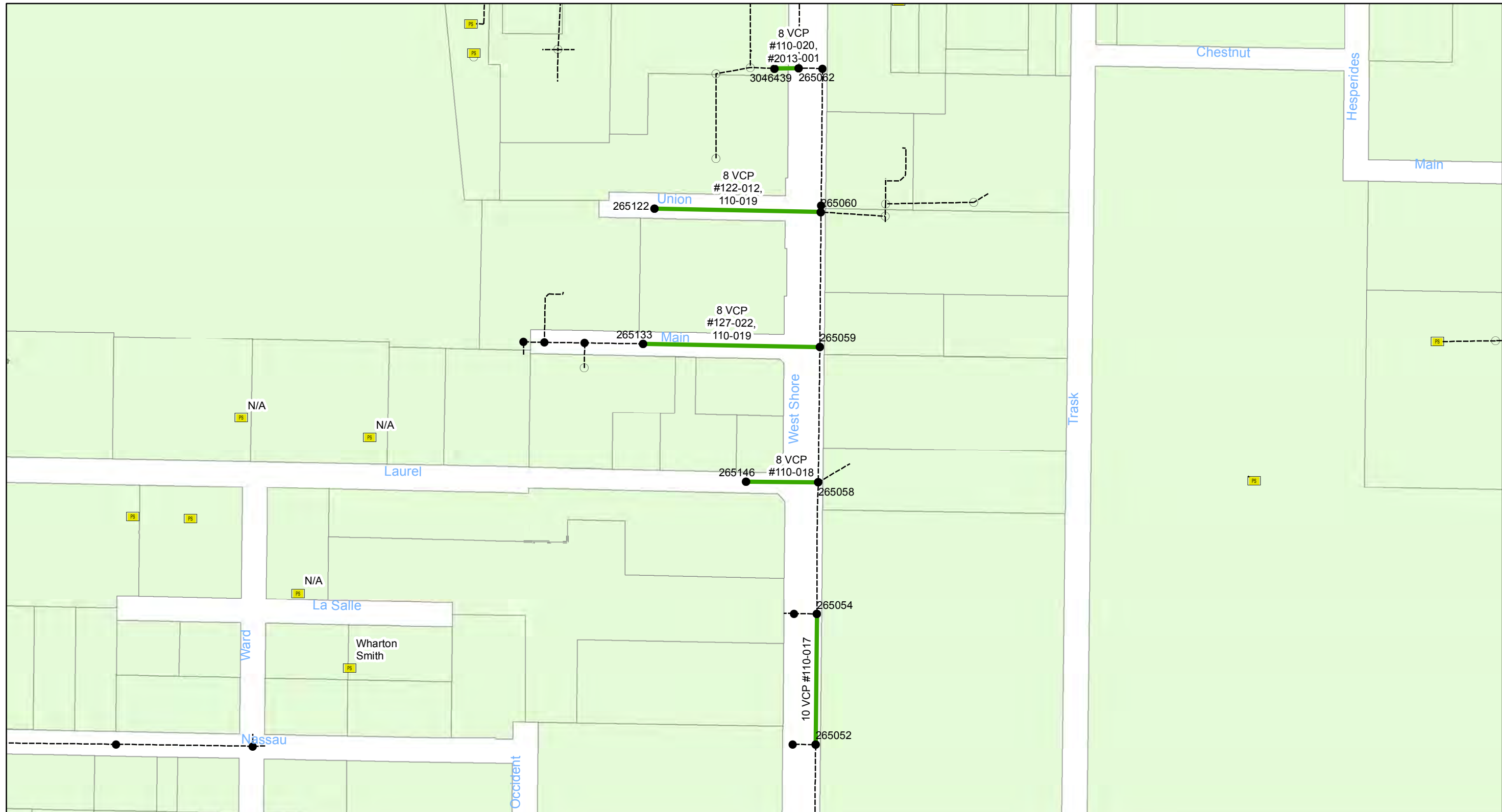
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

CONTRACT No. 17-C-00044

ATLAS PAGE G-14-2



Sheet No.
54
of 134



0 0.0375 0.075 0.15 Miles

**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

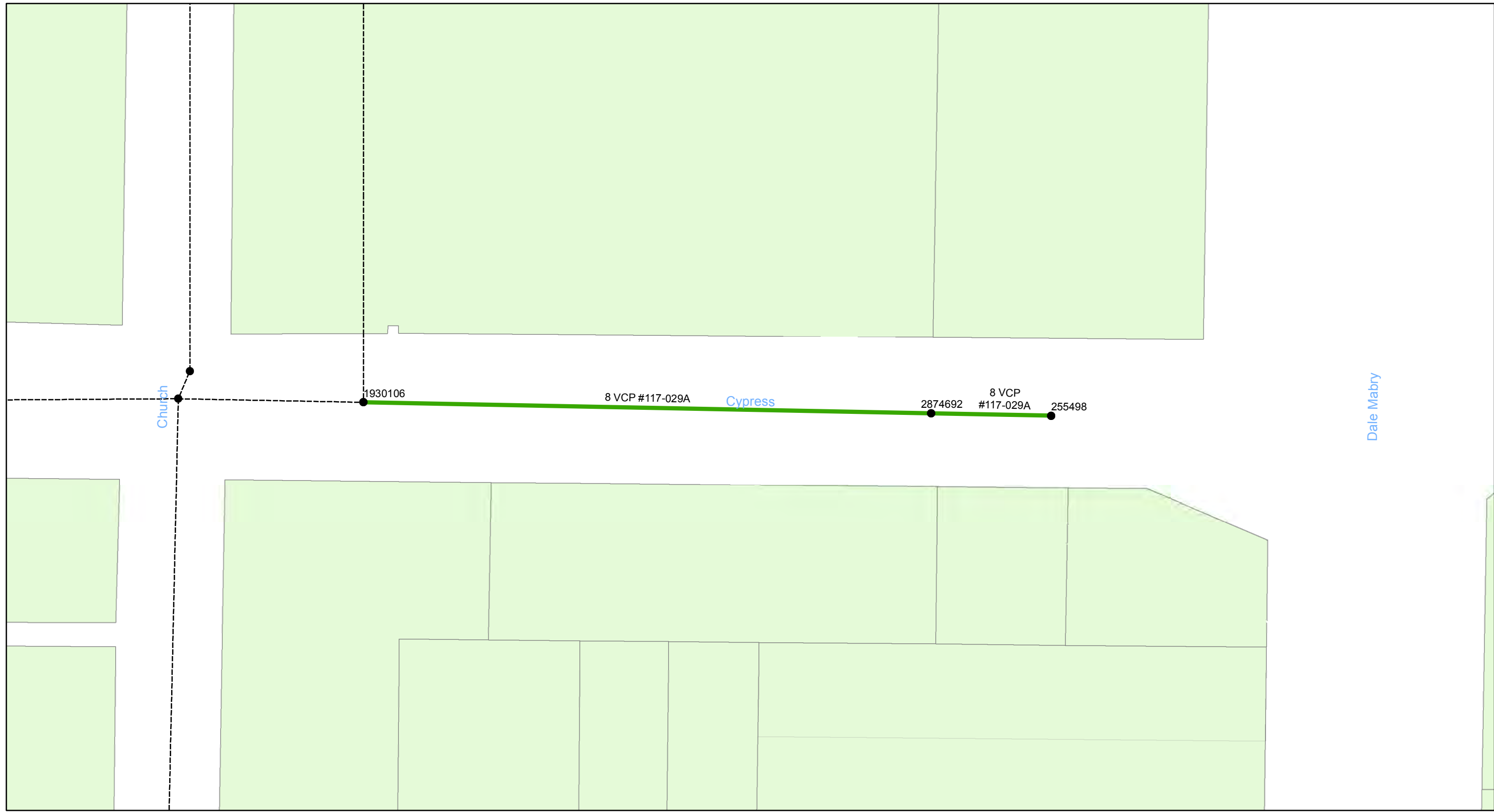
- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

CONTRACT No. 17-C-00044

ATLAS PAGE H-8-2



Sheet No.
55
of 134



0 0.0075 0.015 0.03 Miles

**Wastewater Tuberculated Gravity
Pipeline Rehabilitation, Phase 1**
City of Tampa Wastewater Department

Legend

- Manholes
- Lining Area
- Ex Wastewater (no rehabilitation required)

CONTRACT No. 17-C-00044

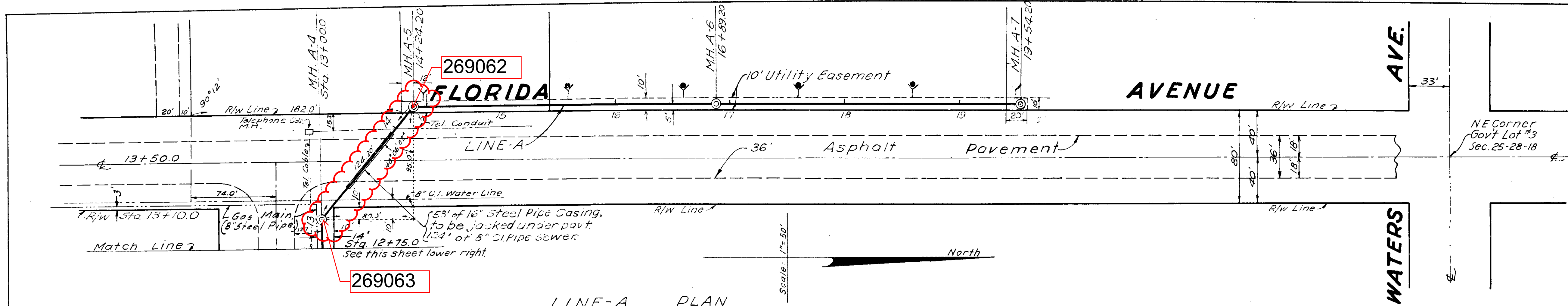
ATLAS PAGE H-9-2



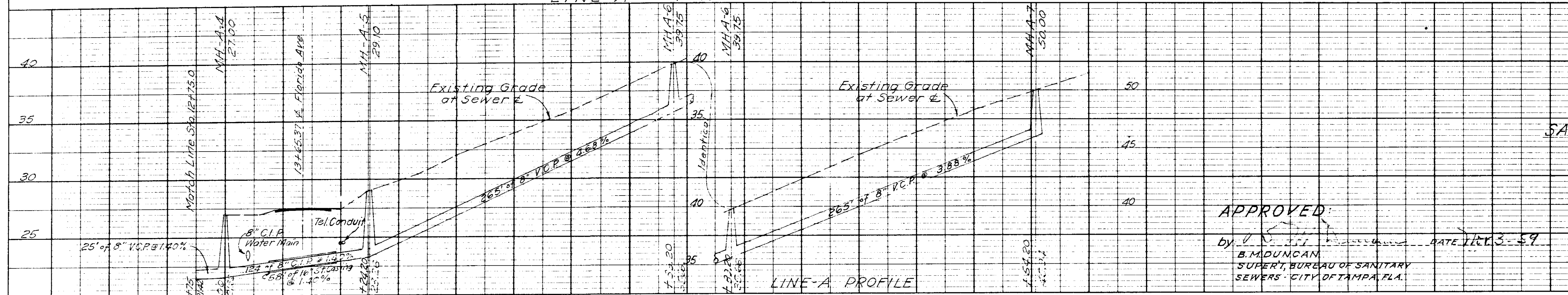
Sheet No.
56
of 134

DATE	
BY	
SURVEYED	
PLANNED	
NOTED	
NO.	

DATE	
BY	
SURVEYED	
PLANNED	
NOTED	
NO.	



- GENERAL NOTES**
1. Sewer Lines, Manholes and appurtenances to be constructed in accordance with City of Tampa standards.
 2. Wyes indicated thus, Y are to be supplied by City of Tampa to contractor for installation at no additional expense to developer.
 3. No house connections to south side of Bird St, or east side of Florida Ave.
 4. Plug all wyes on Bird Street at sewer, furnished by City of Tampa.
 5. The contractor shall determine location of telephone cable & gas main on the north side of Bird St. & shall protect same and any other existing utilities during construction of sanitary sewer.



SUPERMARKET INVESTMENTS INC. TAMPA, FLA.

FLORIDA AVE & BIRD ST. SANITARY SEWER COLLECTION LINE

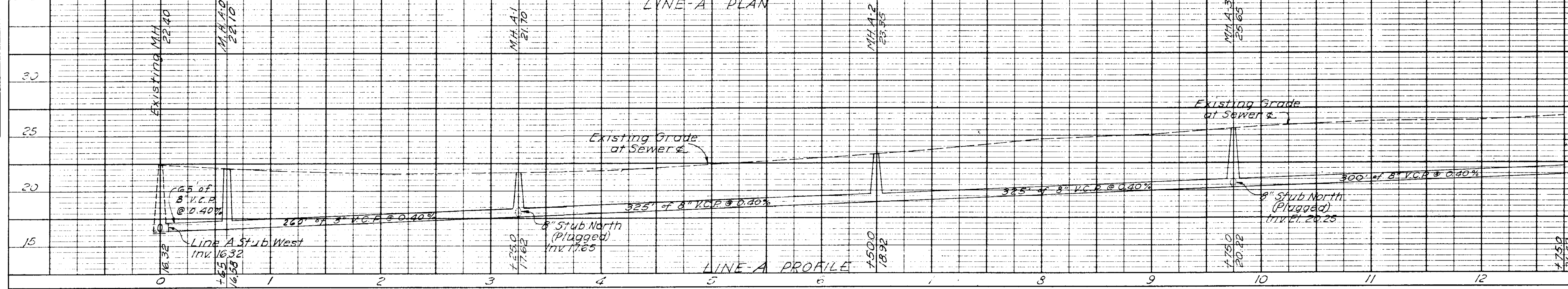
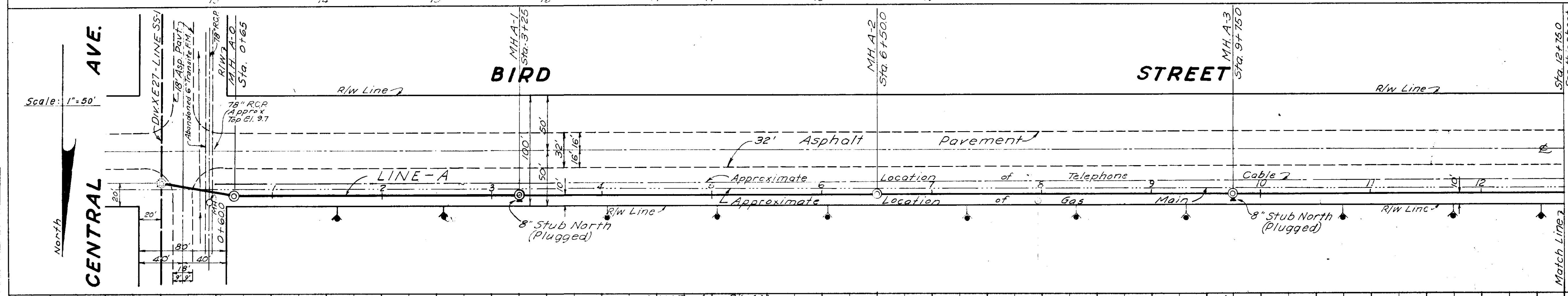
DESIGN & DETAIL

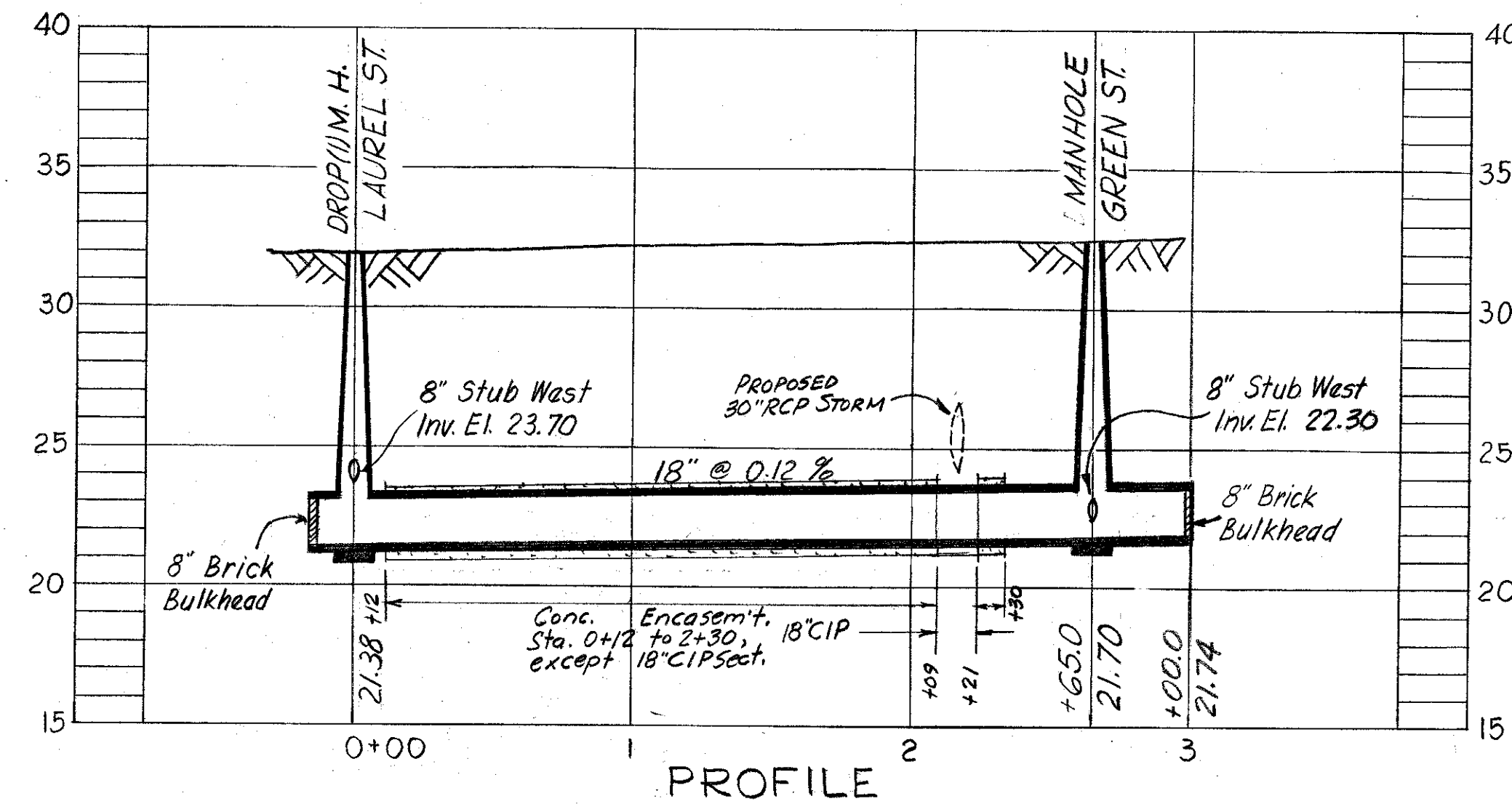
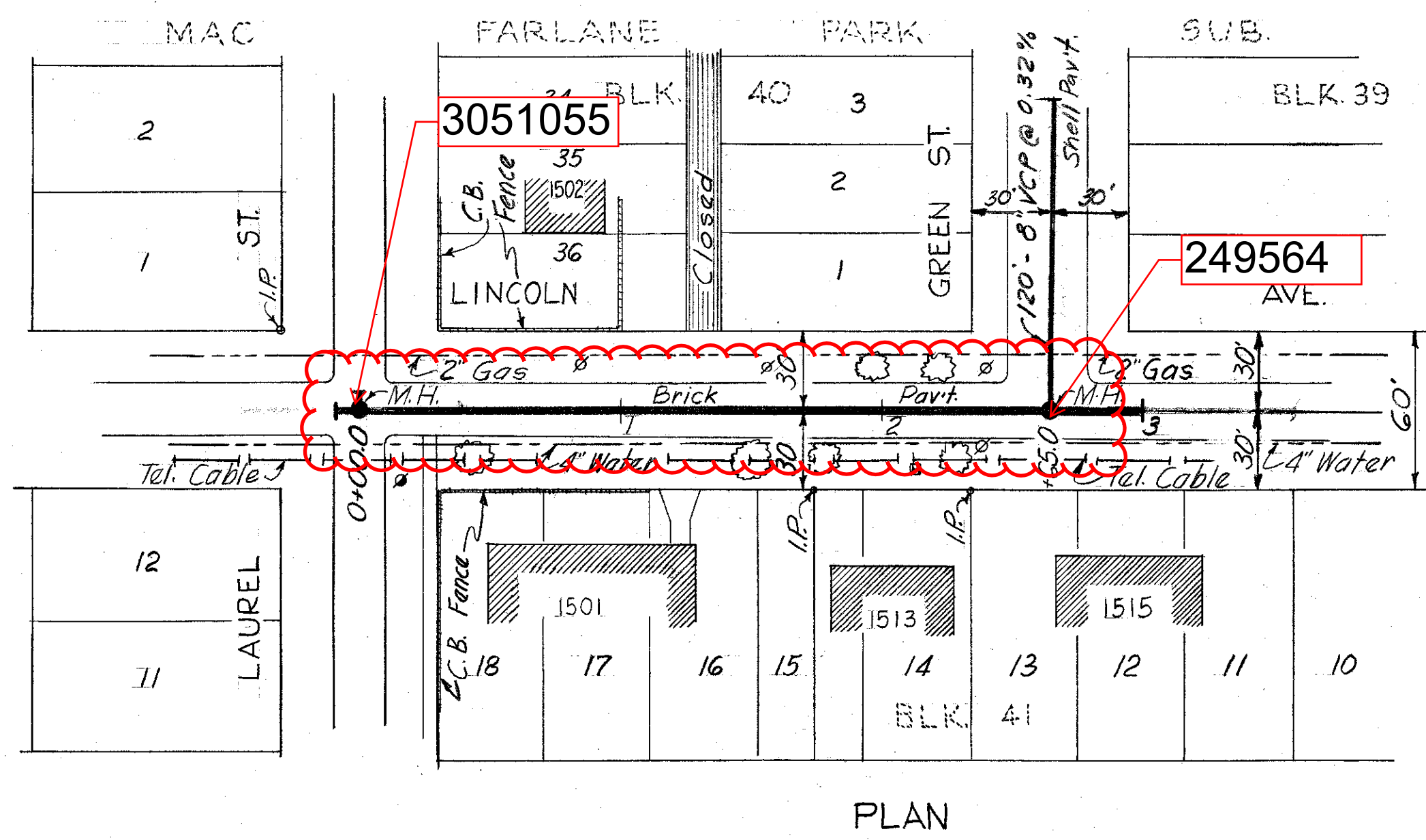
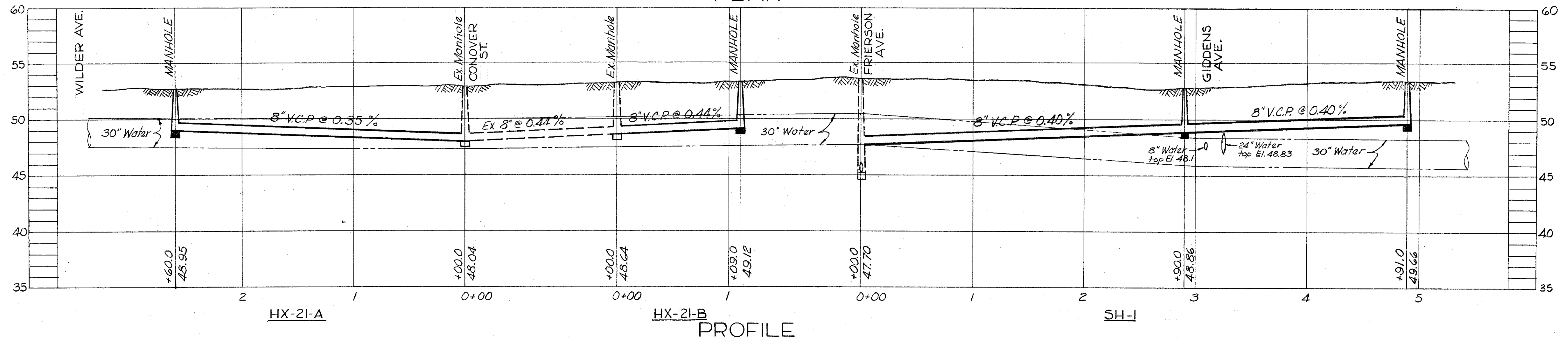
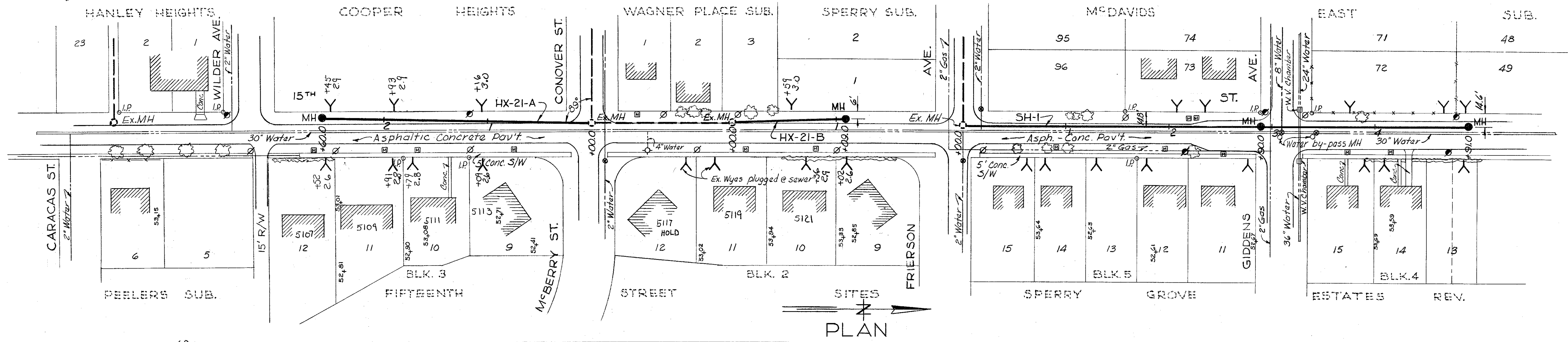
Oct 22 1959

PREPARED BY PIMM ENGINEERING CO. 104 JACKSON TAMPA, FLA.

APPROVED BY B. MOUNCAN, SUPERV. BUREAU OF SANITARY SEWERS - CITY OF TAMPA, FLA.

DATE: OCT. 23 - 59





LINCOLN AVE. EXPRESSWAY CROSSING

W.O. 1367
REVISED 1-26-62

WORK ORDER NO. As shown
R. & R. FORCE ACCOUNT NO. 37
FOR BUREAU OF SANITARY SEWERS
DEPT. OF PUBLIC WORKS

REC'D Arthur S. Cooper Jr. Date 9-27-61
Executive Engineer

APPROVED [Signature] Date 10-9-61
Superintendent

APPROVED [Signature] Date 10-9-61
Supt. Dept. of Public Works

FOR J. E. GREINER COMPANY
APPROVED [Signature] Date 10-9-61

FOR WIEDEMAN AND SINGLETON
APPROVED [Signature] Date 10-30-61

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT

SEWER IMPROVEMENTS

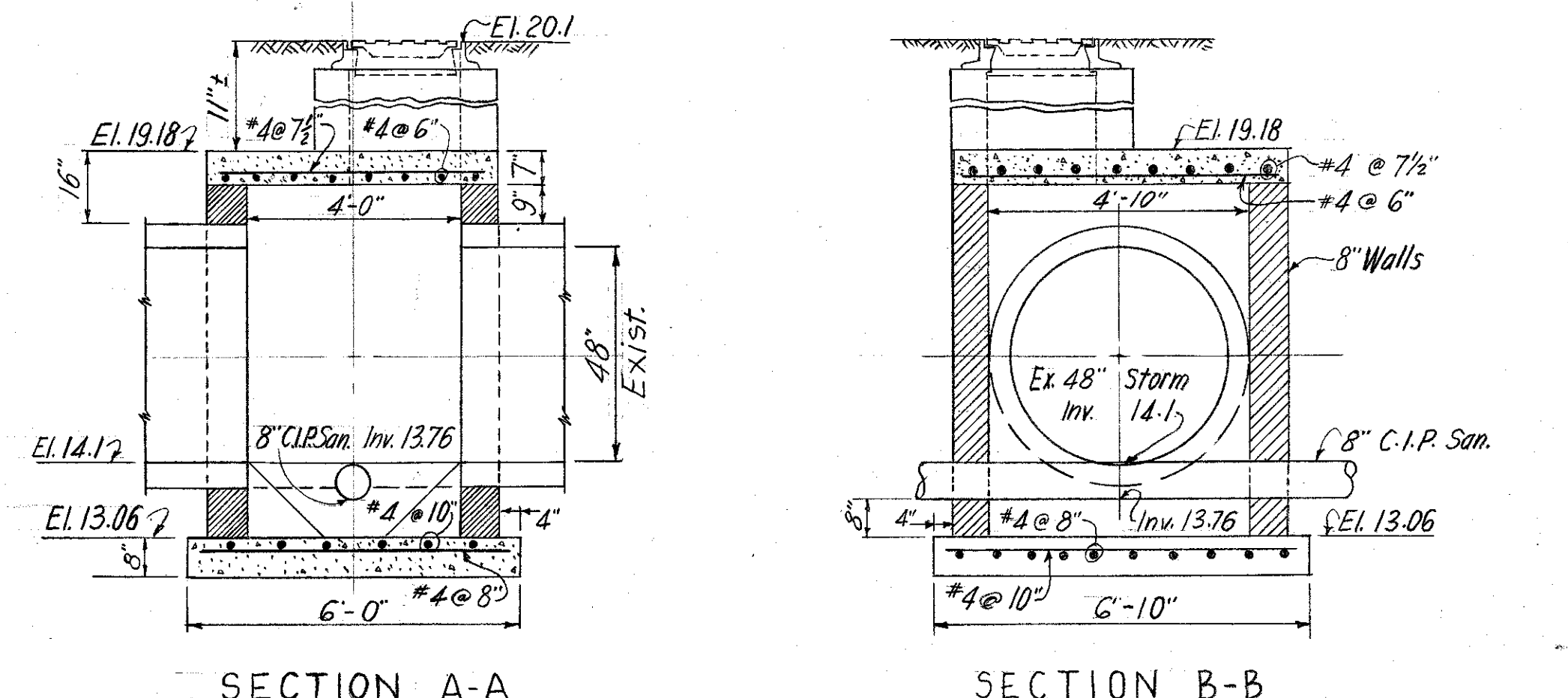
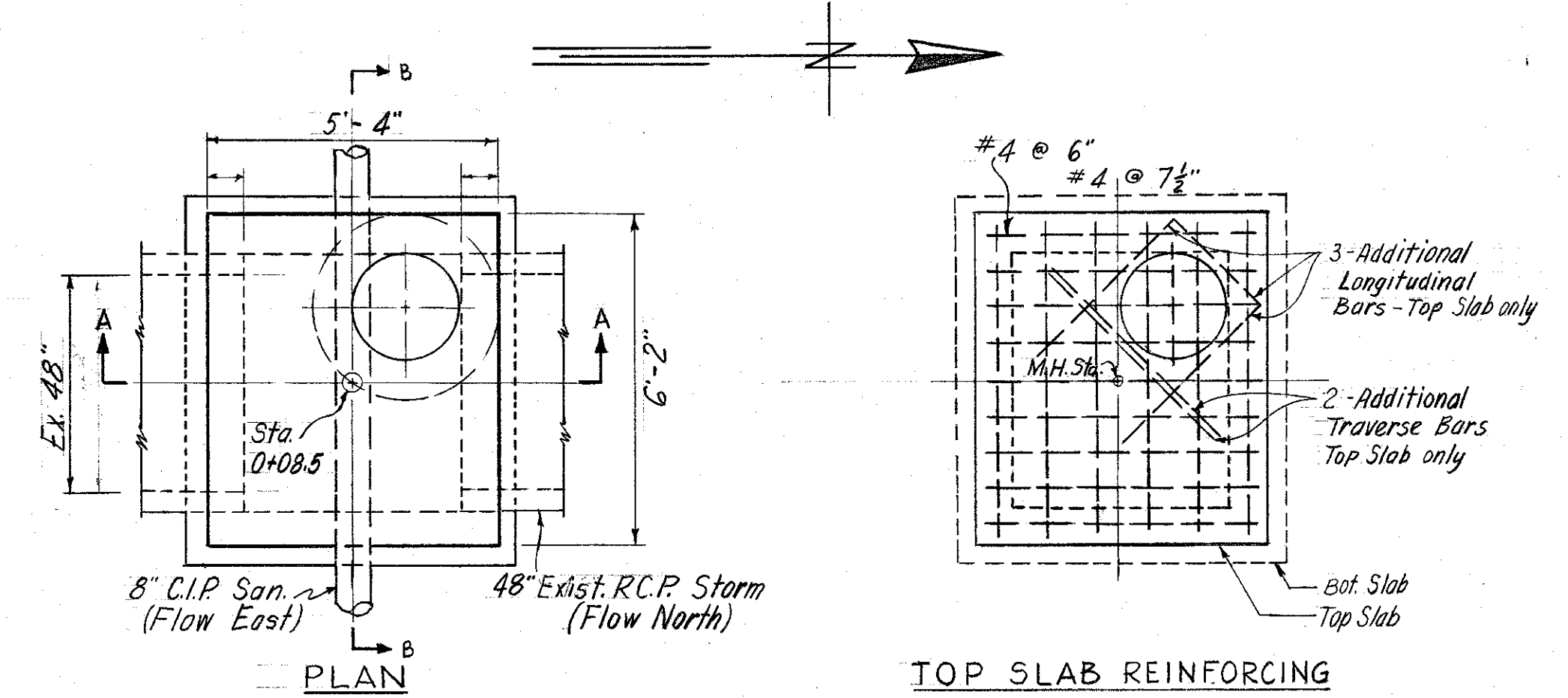
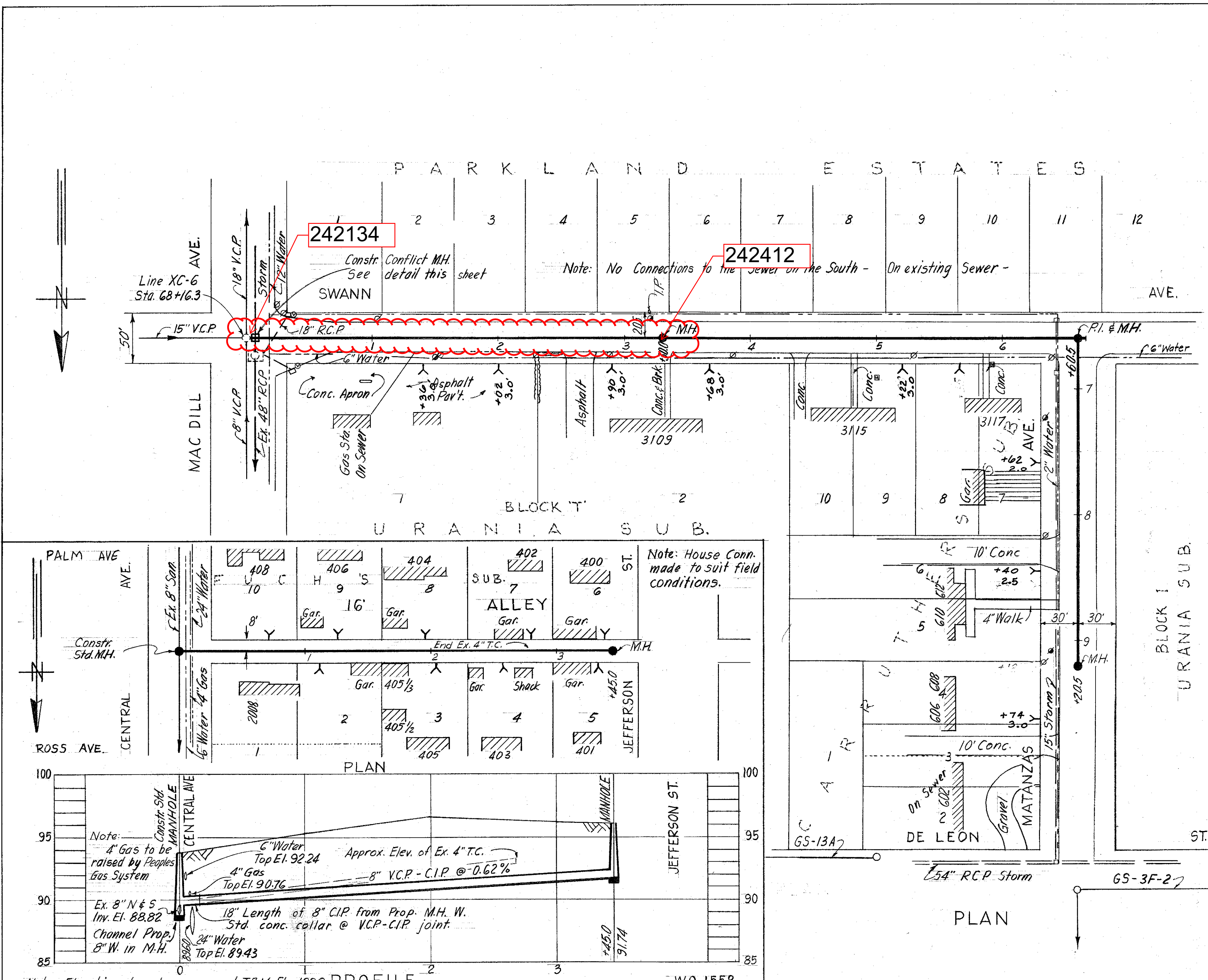
SH-1
HX-21-A & HX-21-B
LINCOLN AVENUE
EXPRESSWAY CROSSING

DES: CASH
DR: ASC
DATE
Sept. 1961

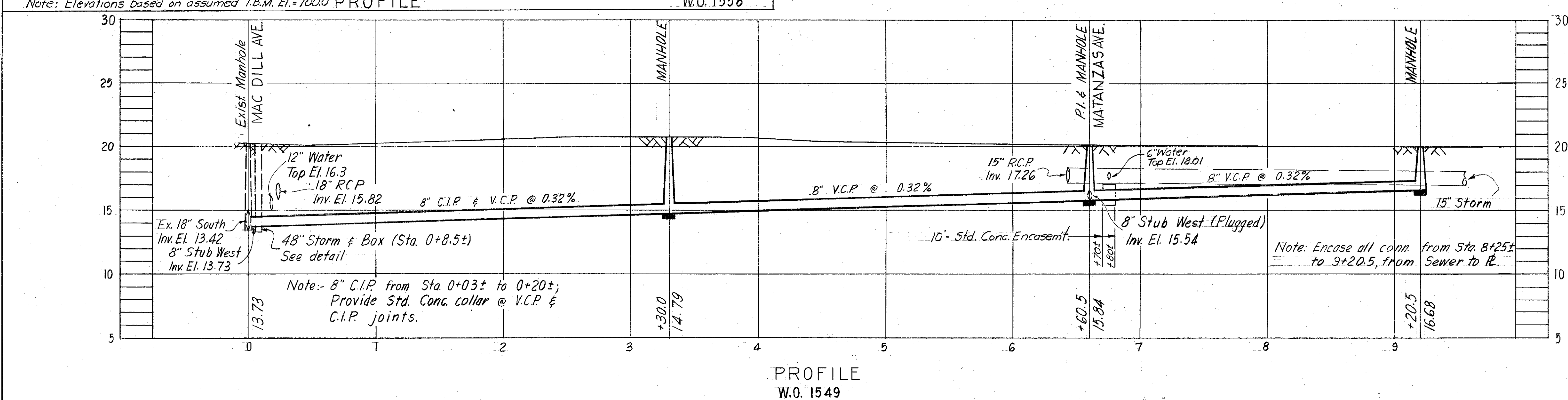
SCALE
50 0 50 100
1" = 50'

SHEET
3

3-38



CONFLICT MANHOLE
@ Sta. 0+08.5
NTS
W.O. 1549



PROFILE
W.O. 1549

Resolution No. 6563-D

WORK ORDER NO. AS SHOWN
R. & R. FORCE ACCOUNT NO. 41
FOR BUREAU OF SANITARY SEWERS
DEPT. OF PUBLIC WORKS

DESIGNED *Arthur S. Cooper* Date 2-12-63
Executive Engineer

APPROVED *[Signature]* Date 3-11-63
Superintendent

APPROVED *[Signature]* Date 3-11-63
Supt. Dept. of Public Works

APPROVED *[Signature]* Date 3-11-63
FOR J. E. GREINER COMPANY

APPROVED *[Signature]* Date 3-11-63
FOR WIDEMAN AND SINGLETON

APPROVED *[Signature]* Date 3-11-63

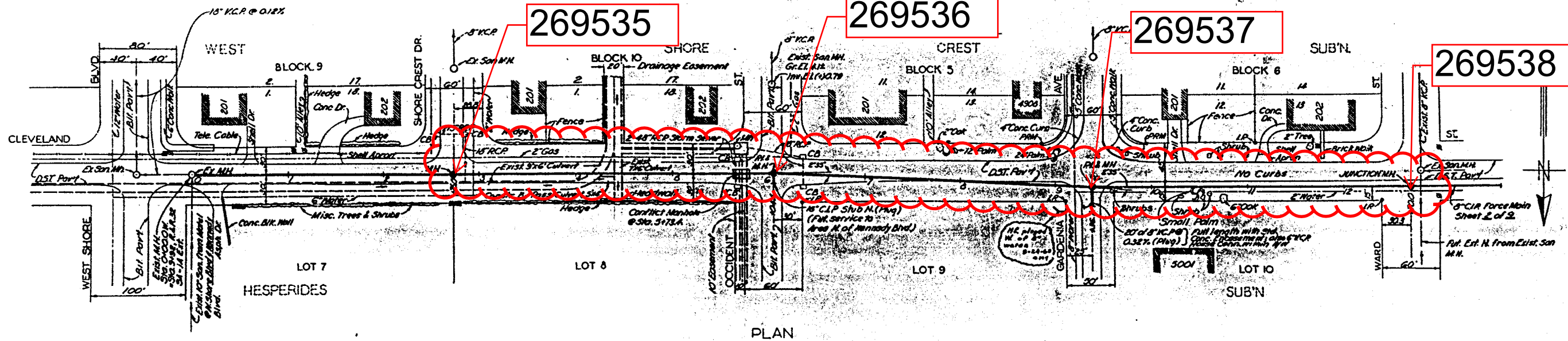
CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

SWANN & MATANZAS AVE. - Mac Dill Ave. to DeLeon St.
ALLEY N. OF PALM AVE. - Central Ave. to Jefferson St.

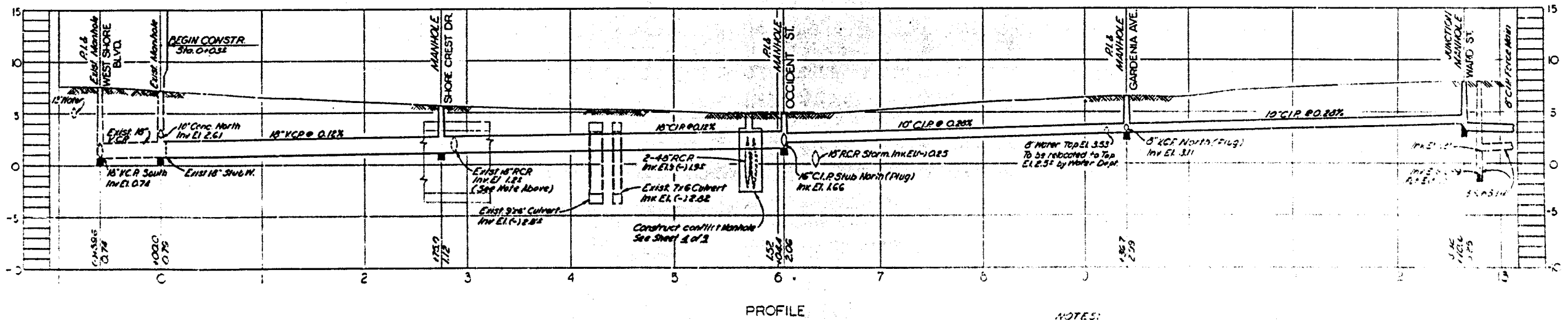
DES: CMT
DRN: JMR
CKD: CMT
DATE: FEB. 1963

SCALE
1" = 50'

SHEET
4-8



NOTE: STORM SEWERS MODIFICATIONS ON CLEVELAND ST, Shore Crest Dr to Occident St; See Sheet 4 of 2.



NOTES:
 1) Datum used: BM TA-253-A, Elev 7.62
 0 cut on SE corner of station 3.5E
 2' cut on West side of Sta 1 and Cleveland St

R & R FORCE ACCOUNT # 50 W.O. 1649 B

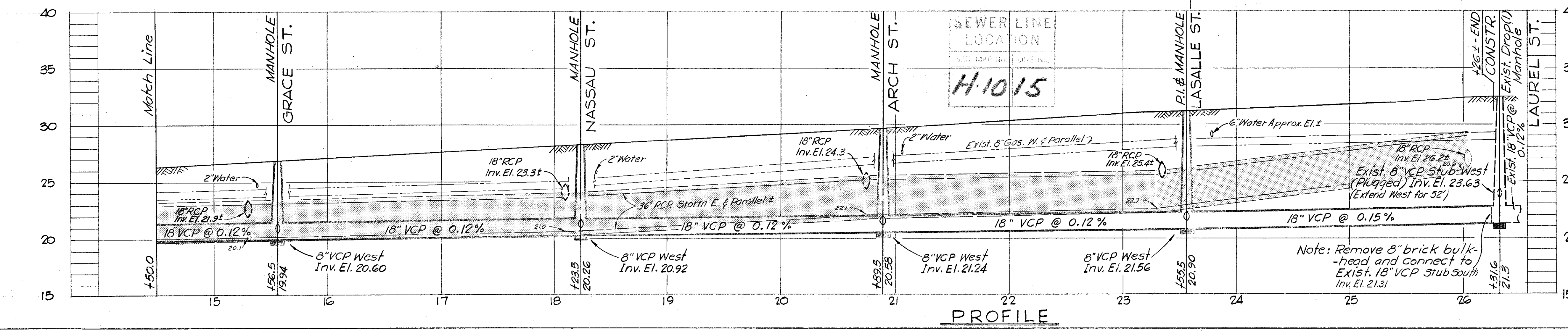
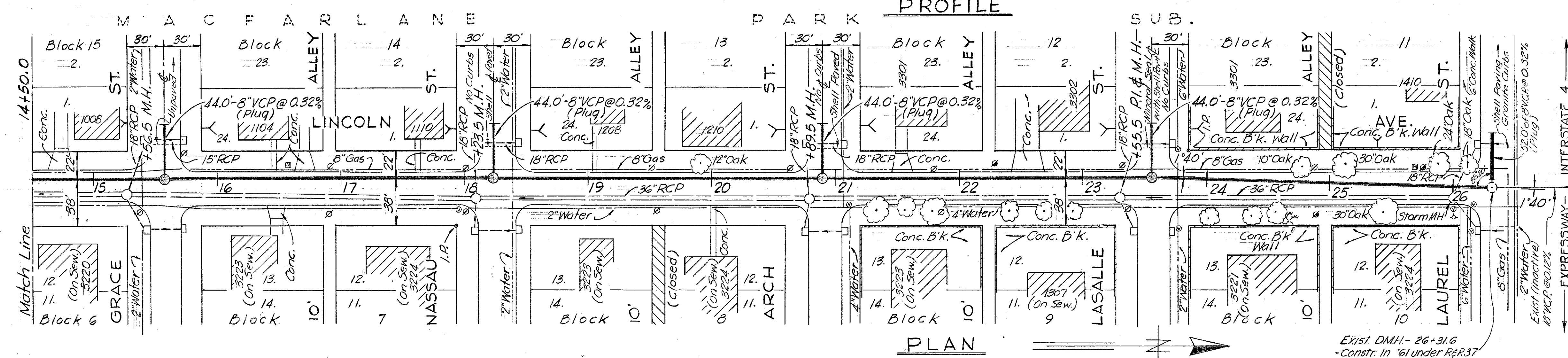
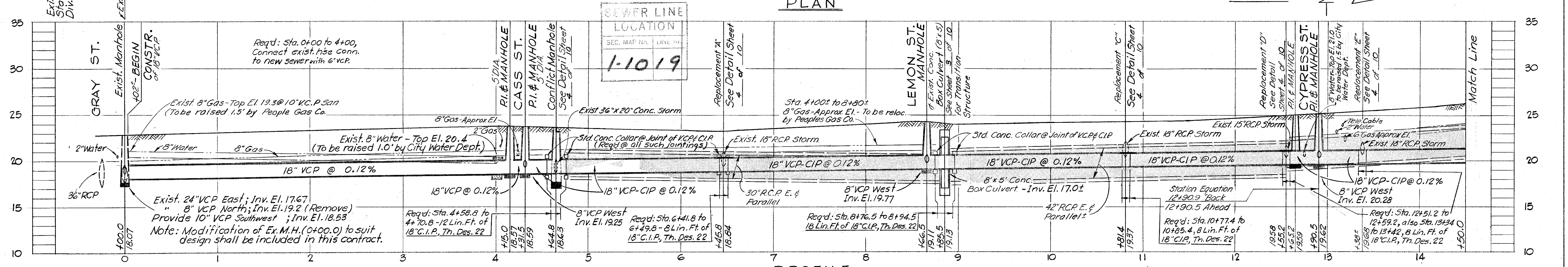
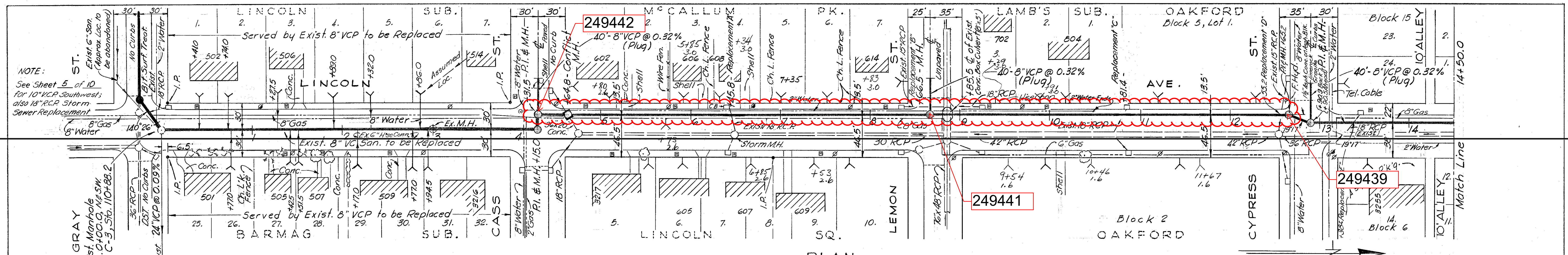
CITY OF TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWAGE DISPOSAL SYSTEM

CLEVELAND ST: Westshore Blvd. to Ward St.

DES: A B C
 DRN: P A L
 CRD: C M T
 DATE:
 OCT. 1964

SCALE: 1" = 80'

Drainage Subdistrict A-3



- NOTES:**
- Exist. Paving on Lincoln Ave:
 - Sta. 0+00 to 12+57; 1 1/2" Ash. Conc. Type I and 1 1/2" Ash. Conc. Type II with 10" Shell Base.
 - Sta. 12+57 to 13+25; (Cypress St.); 1 1/2" Ash. Conc. on Bit Block Pavt with limerock base (9" approx only).
 - Sta. 13+25 to 26+32; vitrified clay brick + sand base.
 - Sta. 0+00 to 26+32; all curbs of granite.
 - All house connections from Sta. 4+15 to 14+30 and running east to R/W of Lincoln Ave. shall be 6" C.I.P.
 - Datum Used: City B.M. A-360, Elev. 22.462 & cut on NW corner of conc. slab over catch basin @ S.E. corner of Gray St. and Lincoln Ave.
 - Req'd - Class "C" Concrete Encasement at water line crossings, Stations 4+00 & 12+75.
 - Replace existing pavement, Sta. 12+57 to 13+25 with Asphaltic Concrete Type I, 3" minimum thickness and 9" thick limerock base.

PROJ. R-3 W.O. 1631A

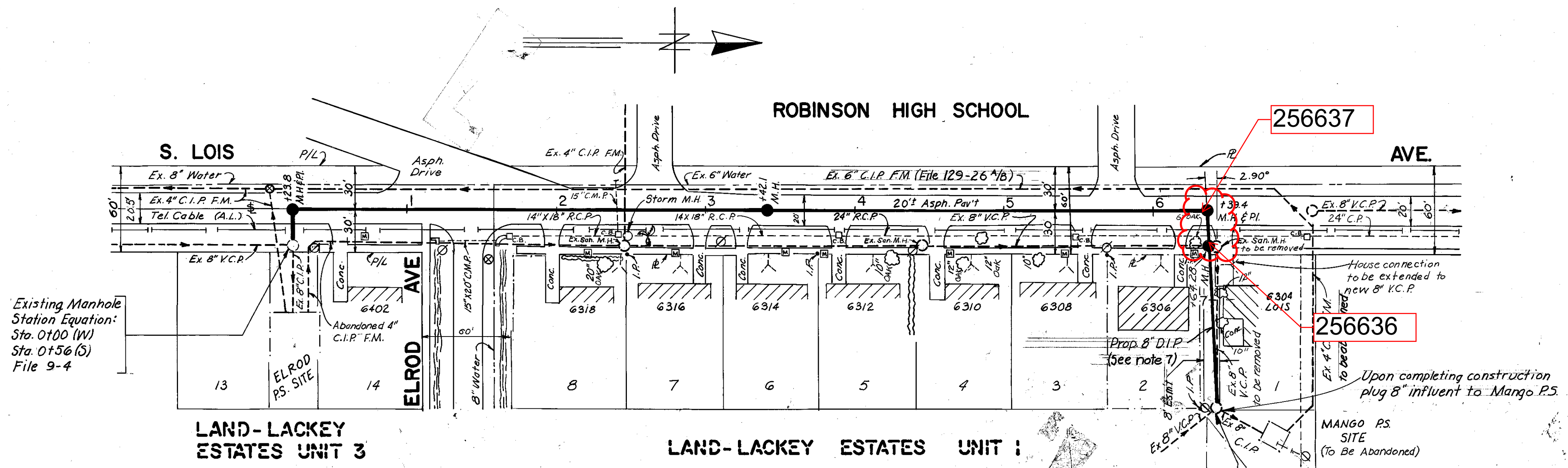
CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWAGE DISPOSAL SYSTEM

LINCOLN AVE.: Gray St. to Laurel St.

DES: CMT
DRN: CMT
CKD: ASC
DATE: SEPT 1964

SCALE 50 100
1" = 50'

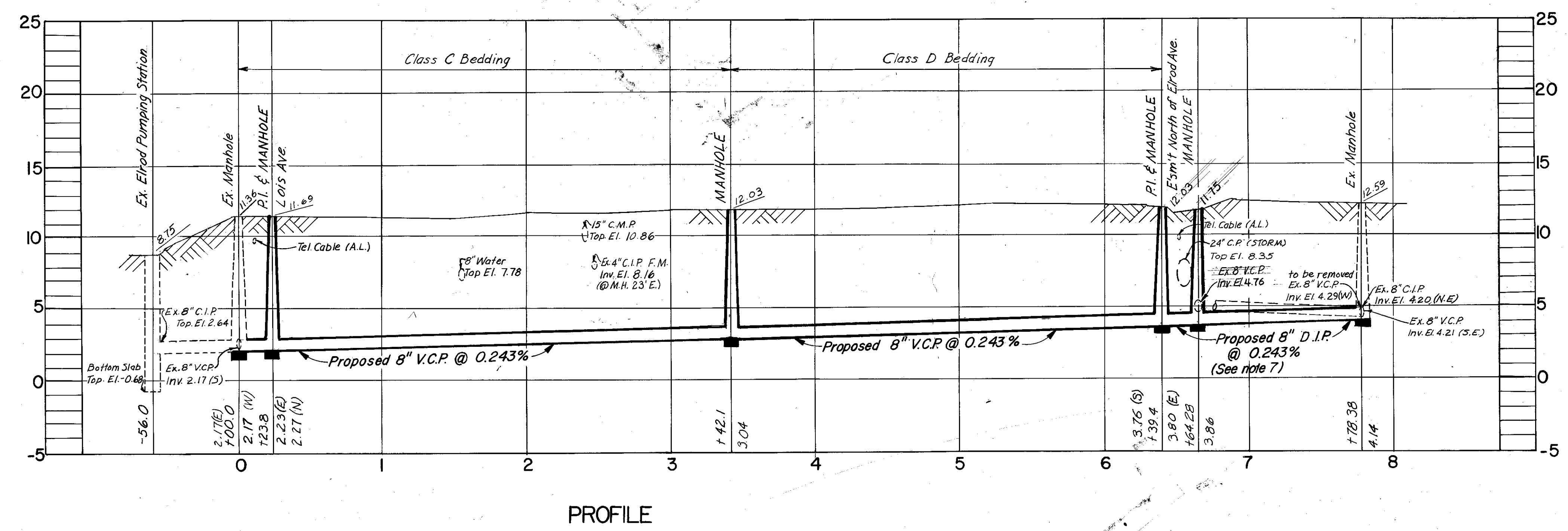
SHEET **2**
5-16



- Notes:
- 1) Construction on this gravity extension should not begin until after Elrod Pumping Station rehabilitation is complete.
 - 2) Begin construction at existing manhole Station 0+00.
 - 3) Pavement to be replaced with Asphaltic Concrete Type I
 - 4) Utility locations are approximate. Please notify proper authorities prior to beginning construction.
 - 5) House connection to 6304 Lois should be extended to tie into new 8" V.C.P.
 - 6) The existing manhole in the R/W between 6304 and 6306 Lois is to be removed. The existing 8" V.C.P. extending south from this manhole should be tied into the Proposed manhole at Station 6+28. The existing 8" V.C.P. extending east from this manhole should be removed.
 - 7) Proposed 8" D.I.P. will be encased in 8 millimeter thick loose polyethylene, materials and installation will be in accordance with A.N.S.I. A-215.

PLAN
WO 5220

NOTE: ALL ELEVATIONS ARE BASED ON OLD CITY DATUM.



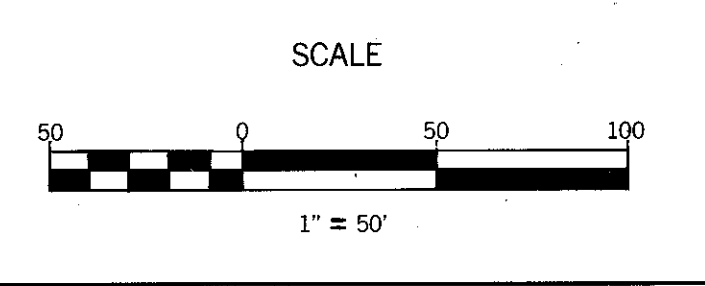
PROFILE

ELTON G. SMITH, P.E. #19872
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

DES: W.PB.
DRN: /Y.H.K.
CKD: JPM
DATE: 4/3/78

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

NO.	DATE	REVISIONS
1		
2		
3		
4		
5		



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

LOIS AVE:
Elrod P.S. to Mango P.S.

SHEET
1
OF 1

9-3B5

DATE: JULY 64
 BY: KIMBLE, STEWART
 SURVEYED: KIMBLE, STEWART
 PLOTTED: STEWART
 NO. 23-D

DATE: JULY 64
 BY: KIMBLE, STEWART
 SURVEYED: KIMBLE, STEWART
 PLOTTED: STEWART
 NO. 23-D

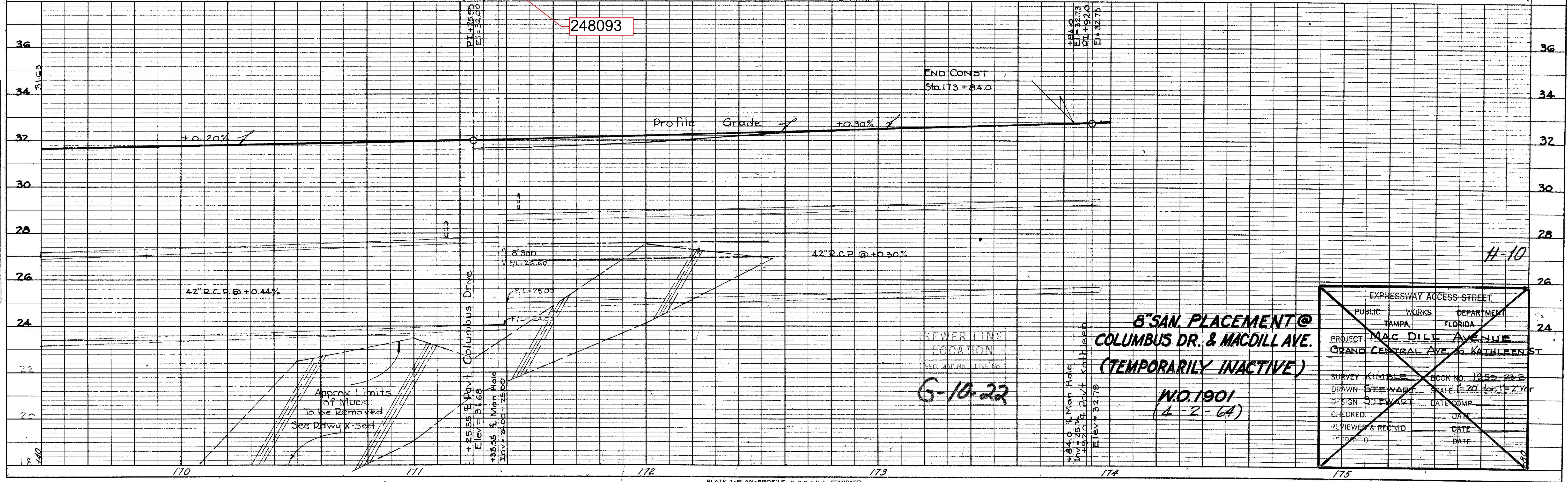
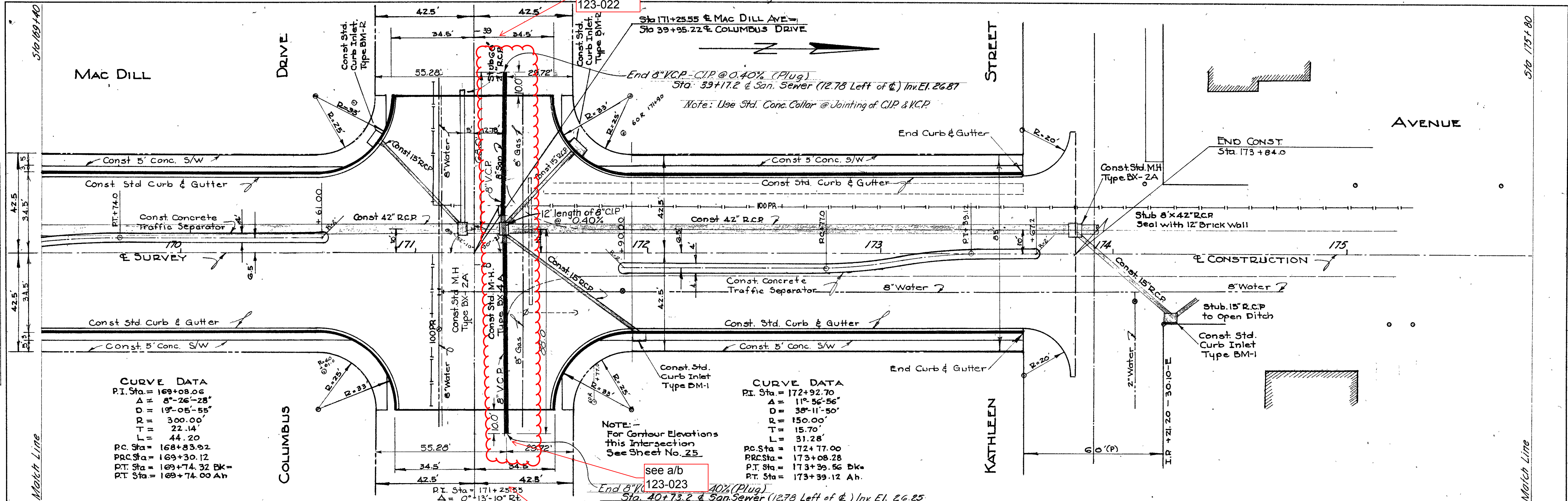


PLATE 1-PLAN-PROFILE D.P.R. & R.E. STANDARD
 100% AGEPROOF VELLUM-MADE AND PRINTED IN U.S.A.
 EUGENE DIETZGEN CO.

EXPRESSWAY ACCESS STREET
 PUBLIC WORKS DEPARTMENT
 TAMPA, FLORIDA

PROJECT: MAC DILL AVENUE
 GRAND CENTRAL AVE. to KATHLEEN ST

SURVEY: KIMBLE BOOK NO. 1959-23-B
 DRAWN: STEWART SCALE: 1" = 20' Hor. 1" = 2' Ver.
 DESIGN: STEWART DATE COMP. _____
 CHECKED: _____ DATE _____
 REVIEWER & RECOMM. DATE _____
 DATE _____

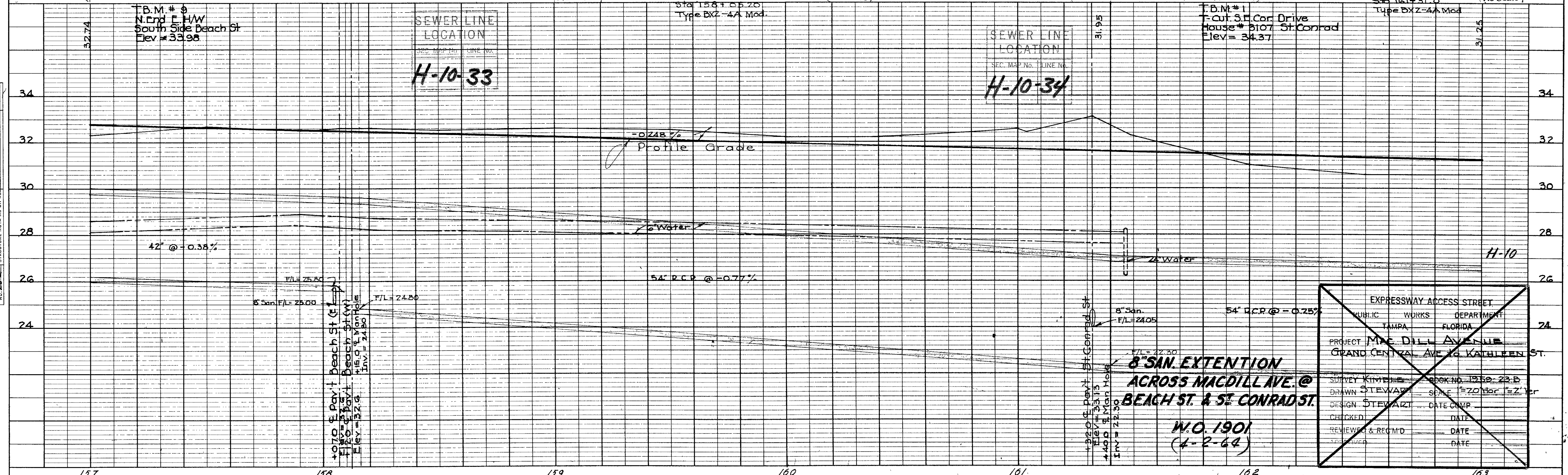
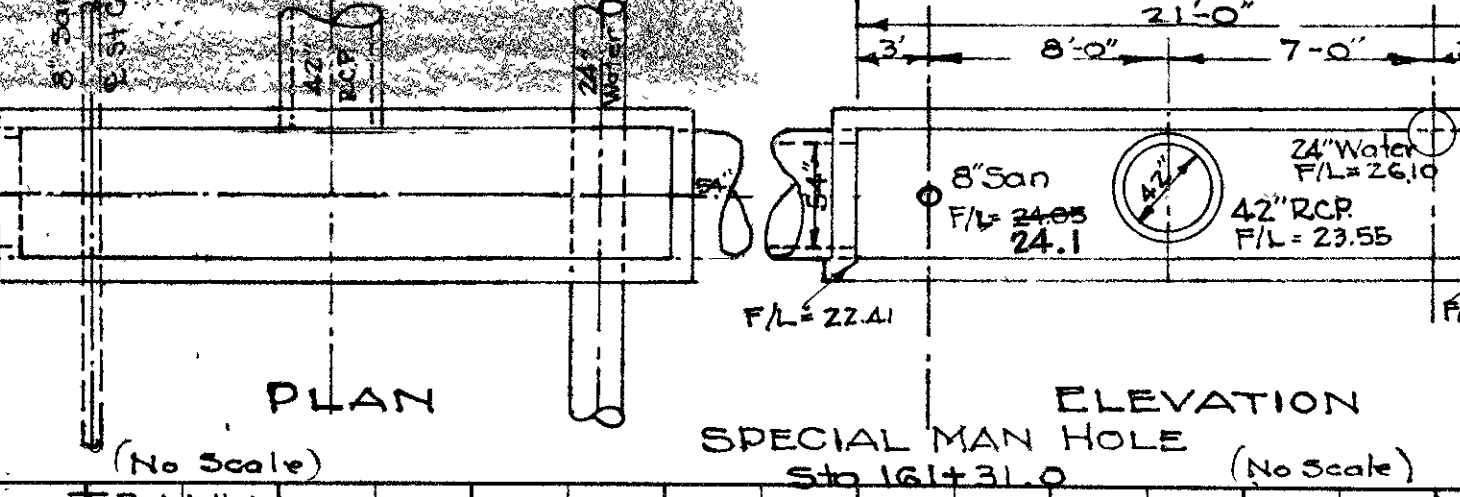
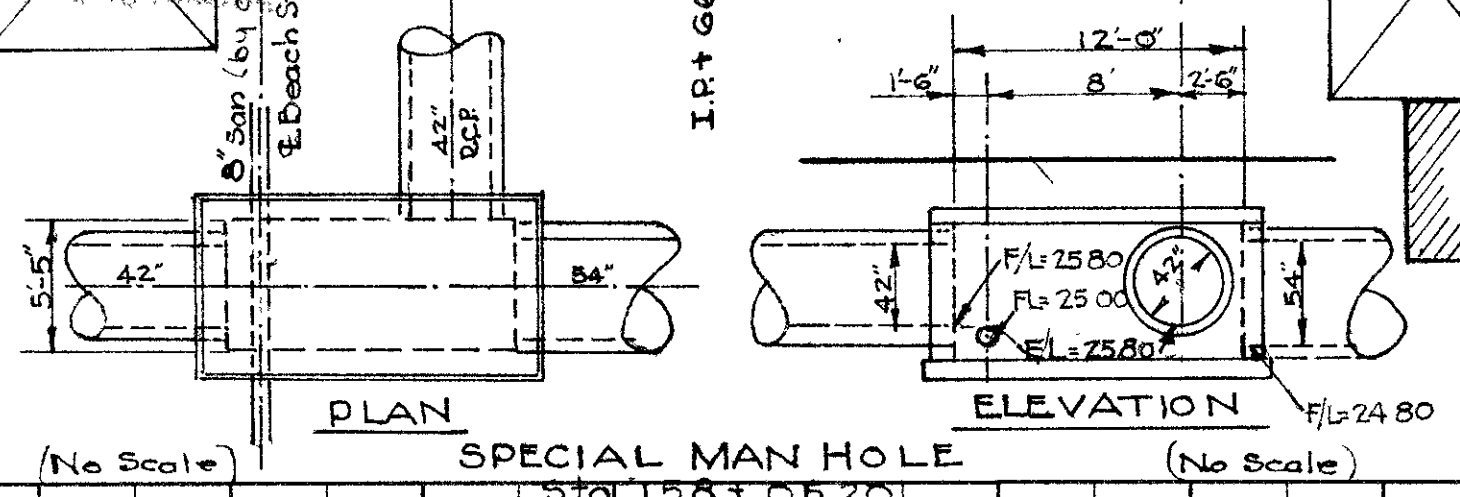
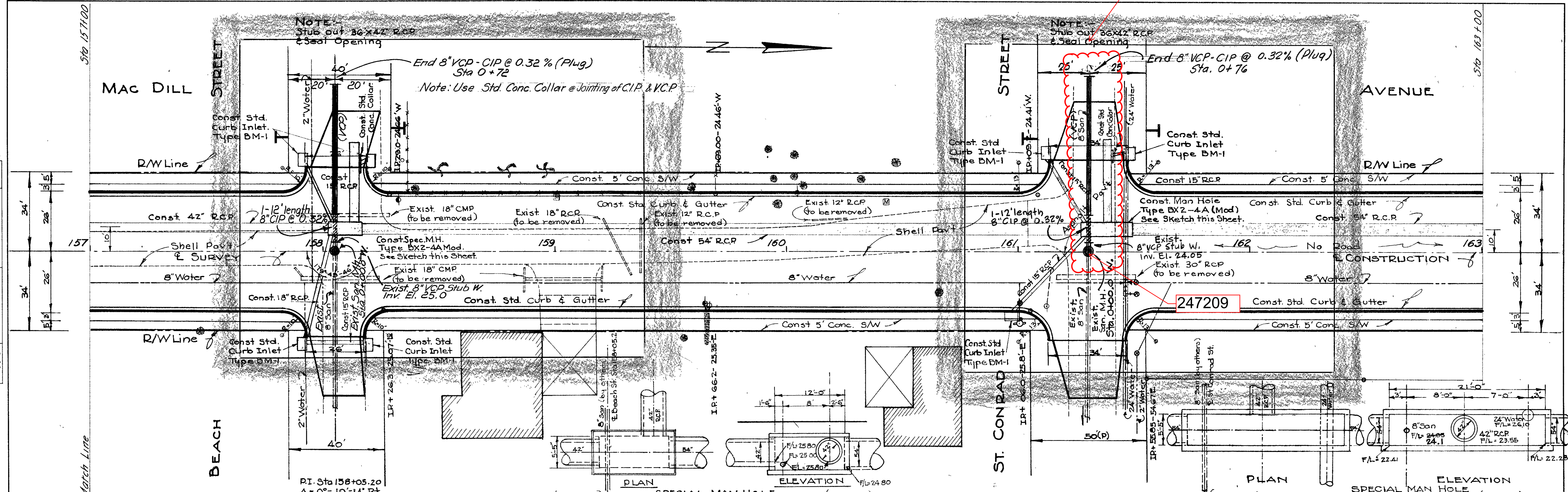
8" SAN. PLACEMENT @ COLUMBUS DR. & MACDILL AVE. (TEMPORARILY INACTIVE)

NO. 1901
 (4-2-64)

G-10-22

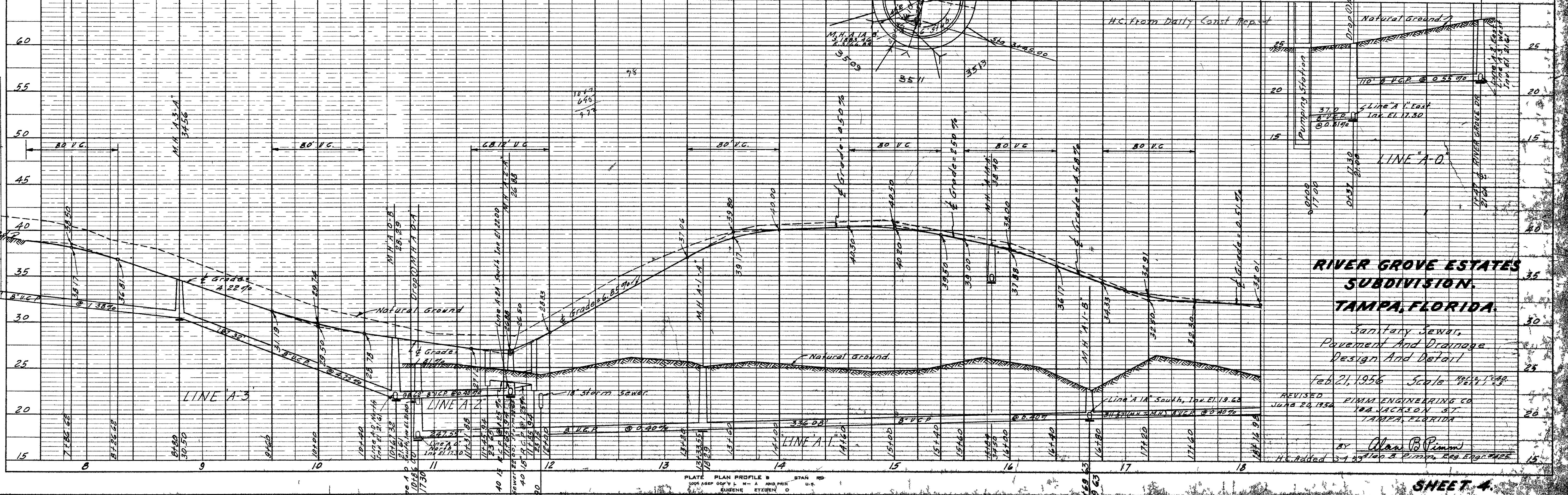
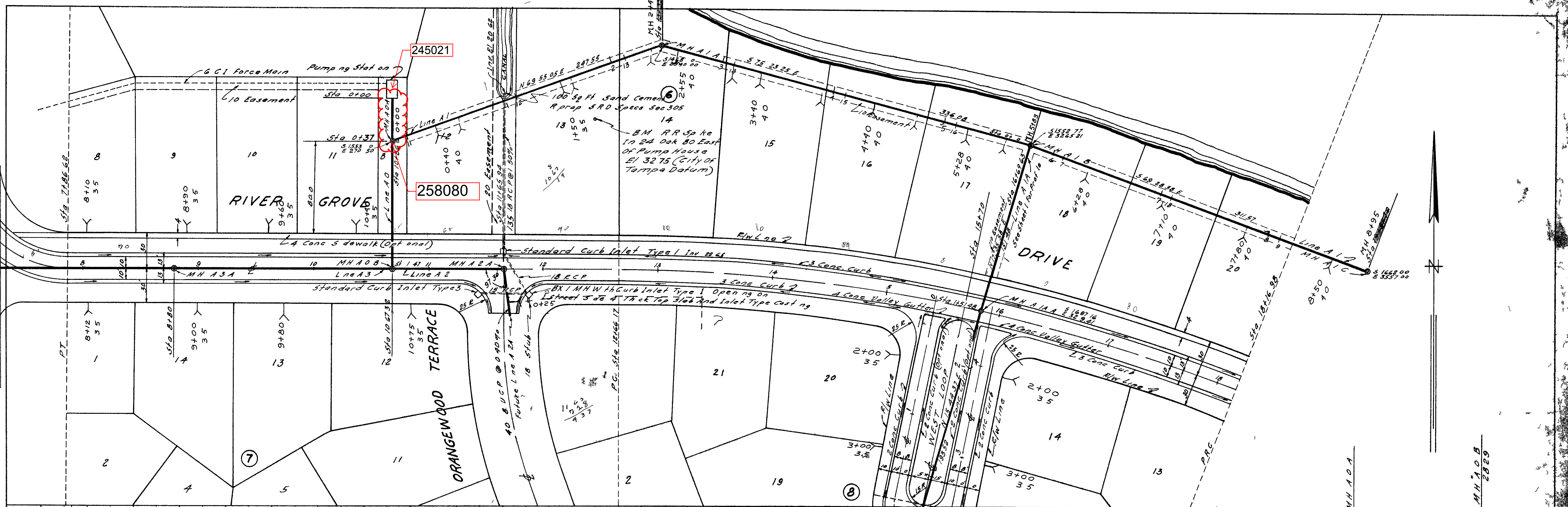
DATE: JUNE 58
 BY: KIMBLE STEWART
 SURVEYED: 1959
 PLOTTED: 1959
 CHECKED: BY: M. NOTO
 NO. 23-B

DATE: JULY 58
 BY: KIMBLE STEWART
 SURVEYED: 1959
 PLOTTED: 1959
 CHECKED: BY: M. NOTO
 NO. 23-B



EXPRESSWAY ACCESS STREET
 PUBLIC WORKS DEPARTMENT
 TAMPA, FLORIDA
 PROJECT: MAC DILL AVENUE
 GRAND CENTRAL AVE. & KATHLEEN ST.
 SURVEY KIMBLE STEWART BOOK NO. 1950-23-B
 DRAWN STEWART SCALE 1"=20' for 1/2" per
 DESIGN STEWART DATE COMP.
 CHECKED DATE
 REVIEWED & REC'D DATE
 W.O. 1901
 (4-2-64)

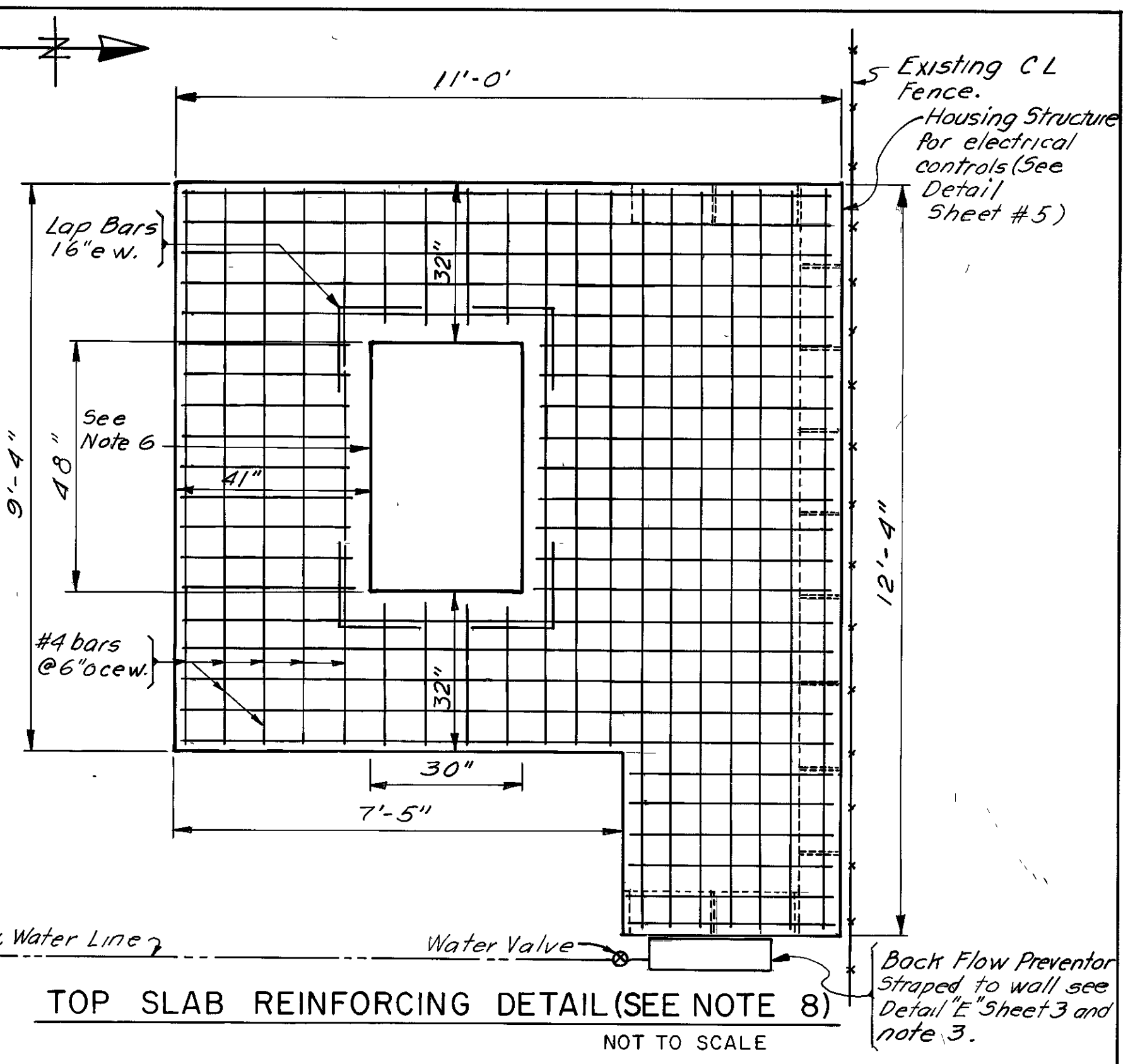
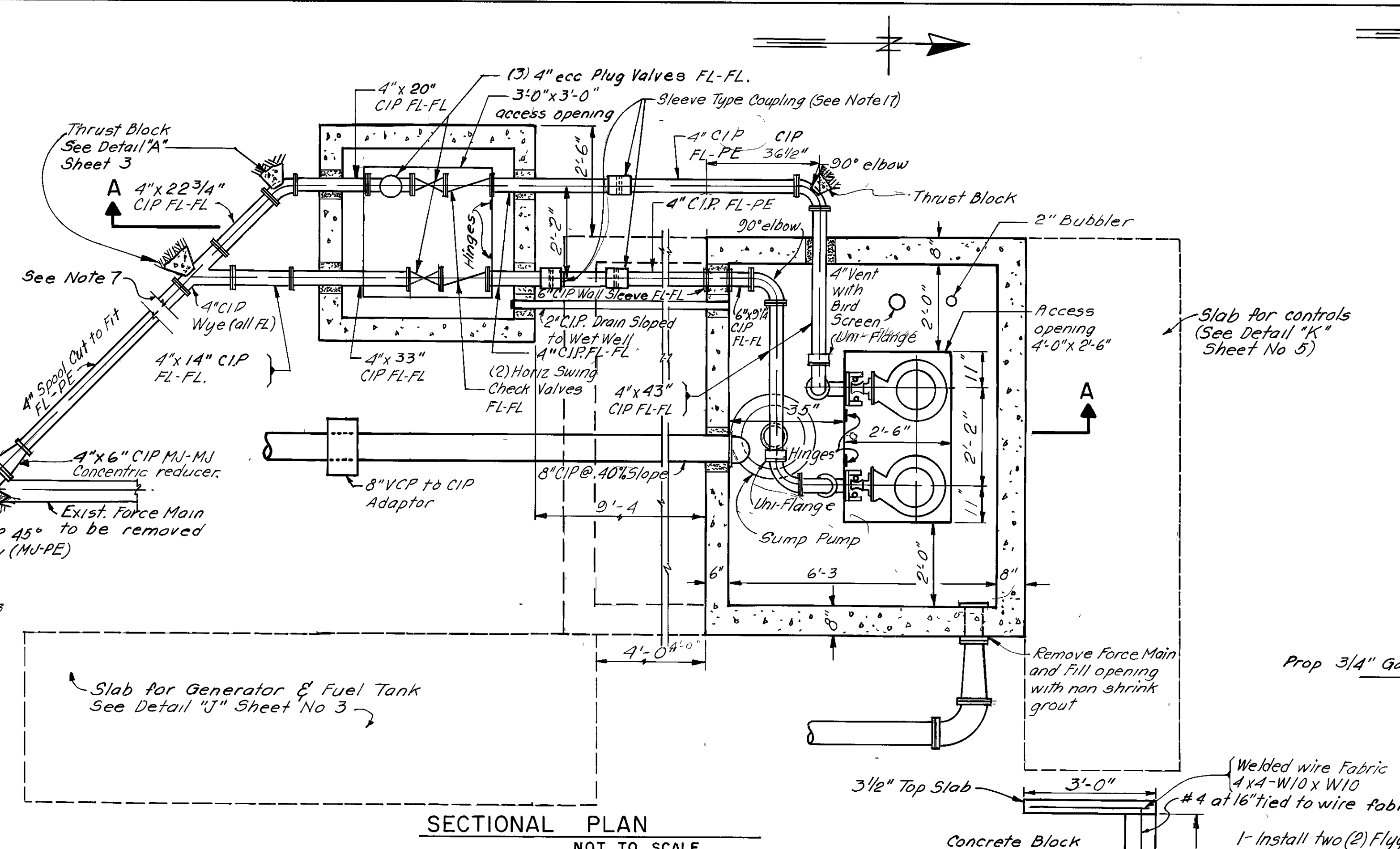
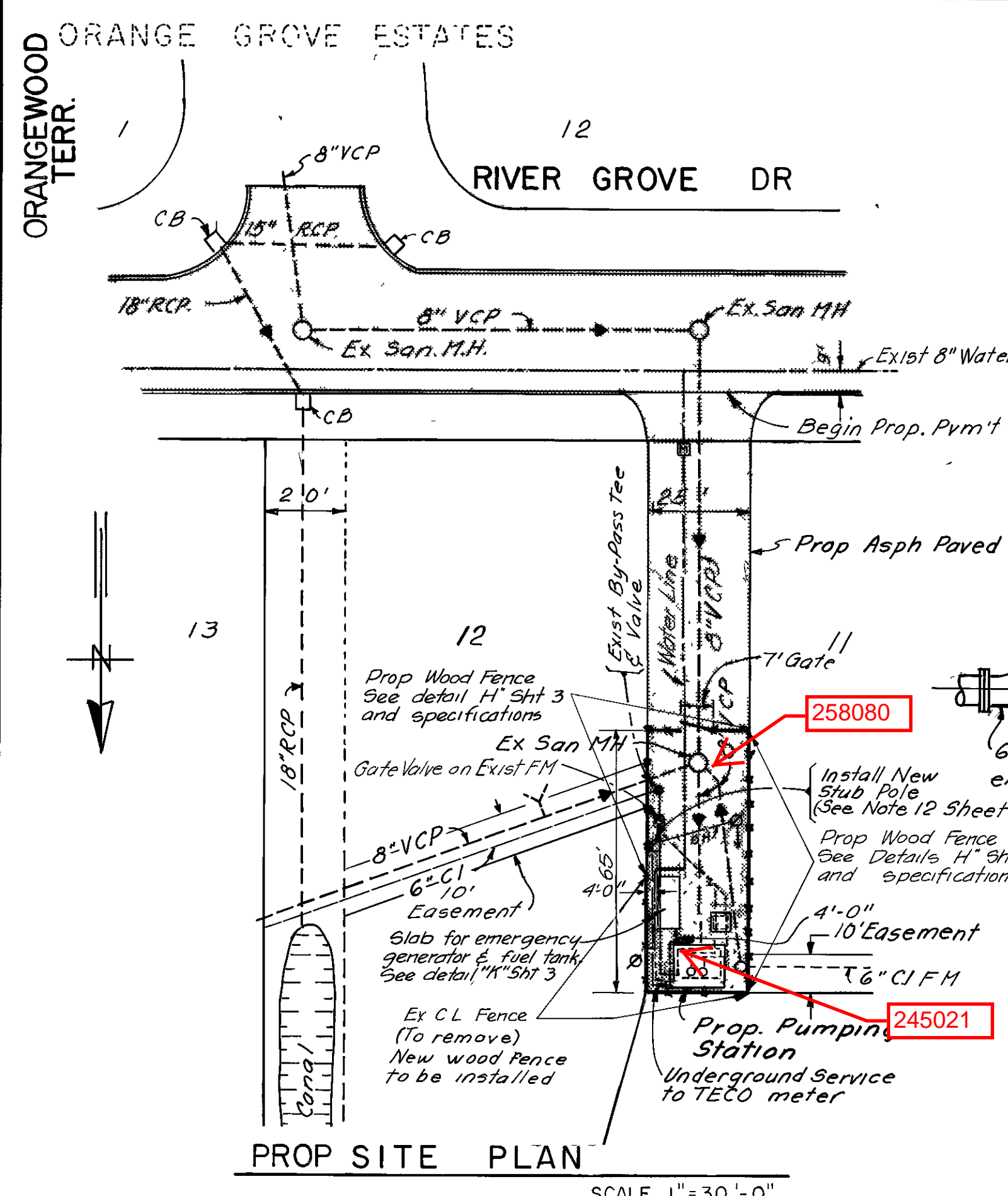
PLAN
 8.5' x 11.0' L no A 38
 5.5' x 11.0' L no A 37
 5.5' x 11.0' L no A 36
 5.5' x 11.0' L no A 35
 5.5' x 11.0' L no A 34
 5.5' x 11.0' L no A 33
 5.5' x 11.0' L no A 32
 5.5' x 11.0' L no A 31
 5.5' x 11.0' L no A 30
 5.5' x 11.0' L no A 29
 5.5' x 11.0' L no A 28
 5.5' x 11.0' L no A 27
 5.5' x 11.0' L no A 26
 5.5' x 11.0' L no A 25
 5.5' x 11.0' L no A 24
 5.5' x 11.0' L no A 23
 5.5' x 11.0' L no A 22
 5.5' x 11.0' L no A 21
 5.5' x 11.0' L no A 20
 5.5' x 11.0' L no A 19
 5.5' x 11.0' L no A 18
 5.5' x 11.0' L no A 17
 5.5' x 11.0' L no A 16
 5.5' x 11.0' L no A 15
 5.5' x 11.0' L no A 14
 5.5' x 11.0' L no A 13
 5.5' x 11.0' L no A 12
 5.5' x 11.0' L no A 11
 5.5' x 11.0' L no A 10
 5.5' x 11.0' L no A 9
 5.5' x 11.0' L no A 8
 5.5' x 11.0' L no A 7
 5.5' x 11.0' L no A 6
 5.5' x 11.0' L no A 5
 5.5' x 11.0' L no A 4
 5.5' x 11.0' L no A 3
 5.5' x 11.0' L no A 2
 5.5' x 11.0' L no A 1



**RIVER GROVE ESTATES
 SUBDIVISION,
 TAMPA, FLORIDA.**
 Sanitary Sewer,
 Pavement and Drainage
 Design and Detail
 Feb. 21, 1956 Scale 1/4" = 1'-0"
 REVISED JUN 20, 1956
 RIMM ENGINEERING CO.
 184 JACKSON ST.
 TAMPA, FLORIDA
 BY Alan B. Rimm
 S-4 437 Leo B. Rimm, Reg. Eng. No. 2829

PLATE PLAN PROFILE B STAG RD
 LOOK AHEAD TO P. 1, 2, 3 AND PRIOR
 EUGENE EITZEN D. U.S.

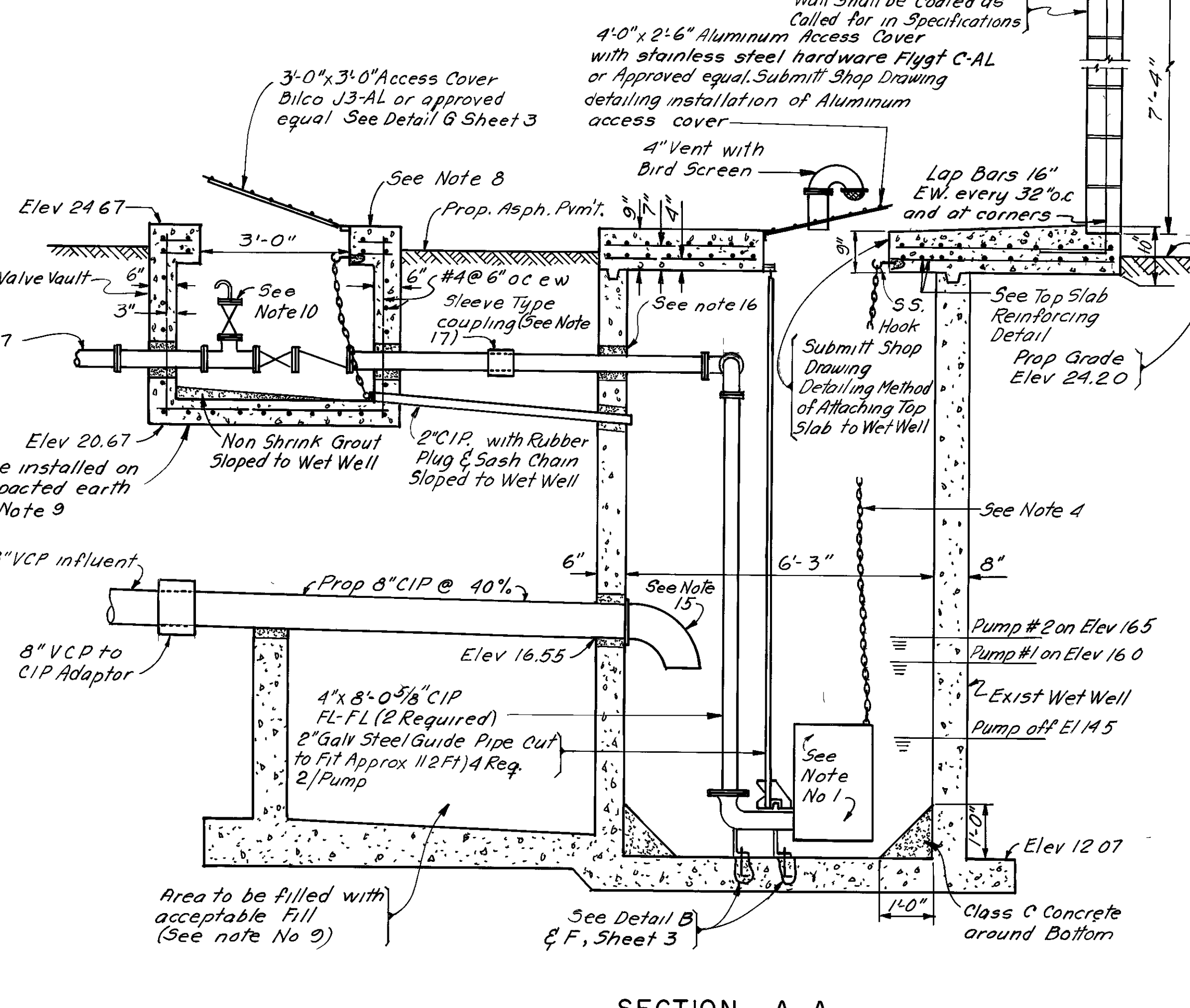
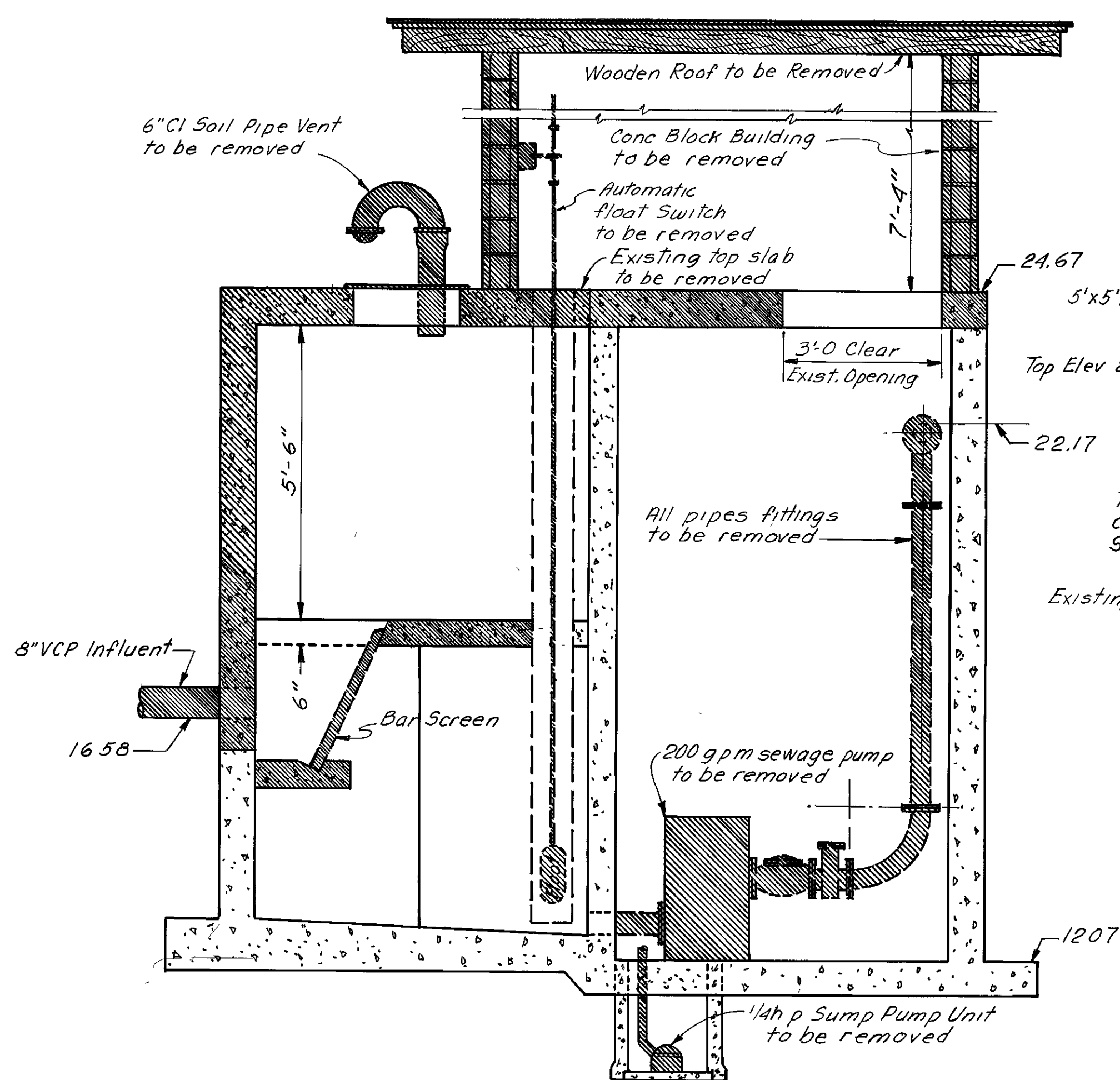
SHEET 4.



NOTES

- 1- Install two (2) Flygt 3126 Submersible Pumps, 4" HH IMP #126-461 94 hp. @ 1750 RPM or approved equal
- 2- All exposed surfaces of metal pipe, fittings and appurtenances, and access door inside wet pit pumping station shall be given two field coats of Sikagard 665 Hi-Bid epoxy paint with a min of 9 mils per coat.
- 3- Contractor shall extend the existing water line (Approximate location shown on site plan) to proposed concrete block wall and install Backflow Preventer and appurtenances (See Detail "E" Sheet 3)
- 4- Galvanized Welded Link Chain with 3/16" links at 12 1/2" links/ft with a 700 lb work load capacity (For pump removal)
- 5- Use only stainless steel bolts, washers, nuts, screws, hinges, etc. unless otherwise specified by City Engineer
- 6- Reinforcing Bars to be 5" min from finished top slab openings.
- 7- Tie proposed 4" Effluent Force Main to existing 6" CIP FM using 4"x6" CIP concentric reducer (MU-MU) and 6" CIP 45° elbow (MU-PE)
- 8- All reinforcing shall be detailed according to the "Manual of Std Practice for Detailing Reinforced Concrete Structures (ACI Standard 315-65) The actual placement of reinforcing shall be as shown on approved shop drawing. All laps and splices shall be a minimum of 32 bar dia
- 9- All compacted backfill shall be compacted in 8 layers to 98% density of the original undisturbed material in conformance with ASTM D-1557, method A
- 10- Drill and Tap one 3/4" corporation stop with quick release disconnect in the blind flange on top of the Bypass Plug Valve.
- 11- Rehabilitation of this station is to be accomplished with minimum disruption and inconvenience to surrounding home owners
- 12- The Contractor is hereby advised that he shall be solely responsible to maintain continuous sewage flow during the construction of this station. Detailed procedures, sketches, etc must be provided to City Engineer for approval prior to beginning construction
- 13- All existing equipment and materials are to be removed as shown. Salvagable items will be delivered by the Contractor to a site as determined by the City Engineer.
- 14- The Contractor shall demolish and remove the structure and building floor slab. A replacement slab shall be installed as shown on the plans, with 3000 PSI concrete at 28 days.
- 15- 90° CIP long radius elbow FL-PE to be installed on 8" influent as shown.
- 16- Non shrink grout should be used to fill in spaces around pipe openings, etc unless otherwise specified by the City Engineers.
- 17- Sleeve type coupling shall be dresser style 38 or approved equal.
- 18- All dimensions shown are approximate and true dimensions should be determined in the field before pipe sizing or selection.
- 19- The interior of the wet well shall be thoroughly scrubbed, washed, and allowed to dry for 24 hours. The wet well interior shall be prime with one coat of Koppers Bitumastic Concrete Penetrant and shall receive: one coat of Koppers Super Service Black; one coat Koppers Bituplastic No 28. Each coat shall be allowed to dry thoroughly.

AS BUILT



EXISTING EQUIPMENT REMOVAL DETAIL (SEE NOTE 13 & 14)
SCALE 1/2"=1'-0"

SECTION A-A
SCALE 1/2"=1'-0"

BRUNING 44 132 29017

DES W P B
DRN E R
CKD gmm
DATE 4-78

ELTON G SMITH, PE # 19872
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

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

NO	DATE	REVISIONS
1	4-79	As-Built
2		
3		
4		
5		

SCALE
AS SHOWN

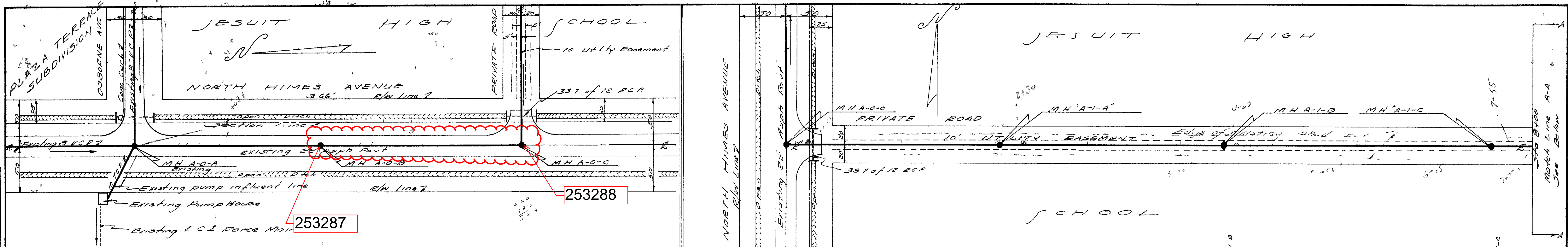
DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWAGE DISPOSAL SYSTEM

RIVER GROVE PUMPING STATION
REHABILITATION

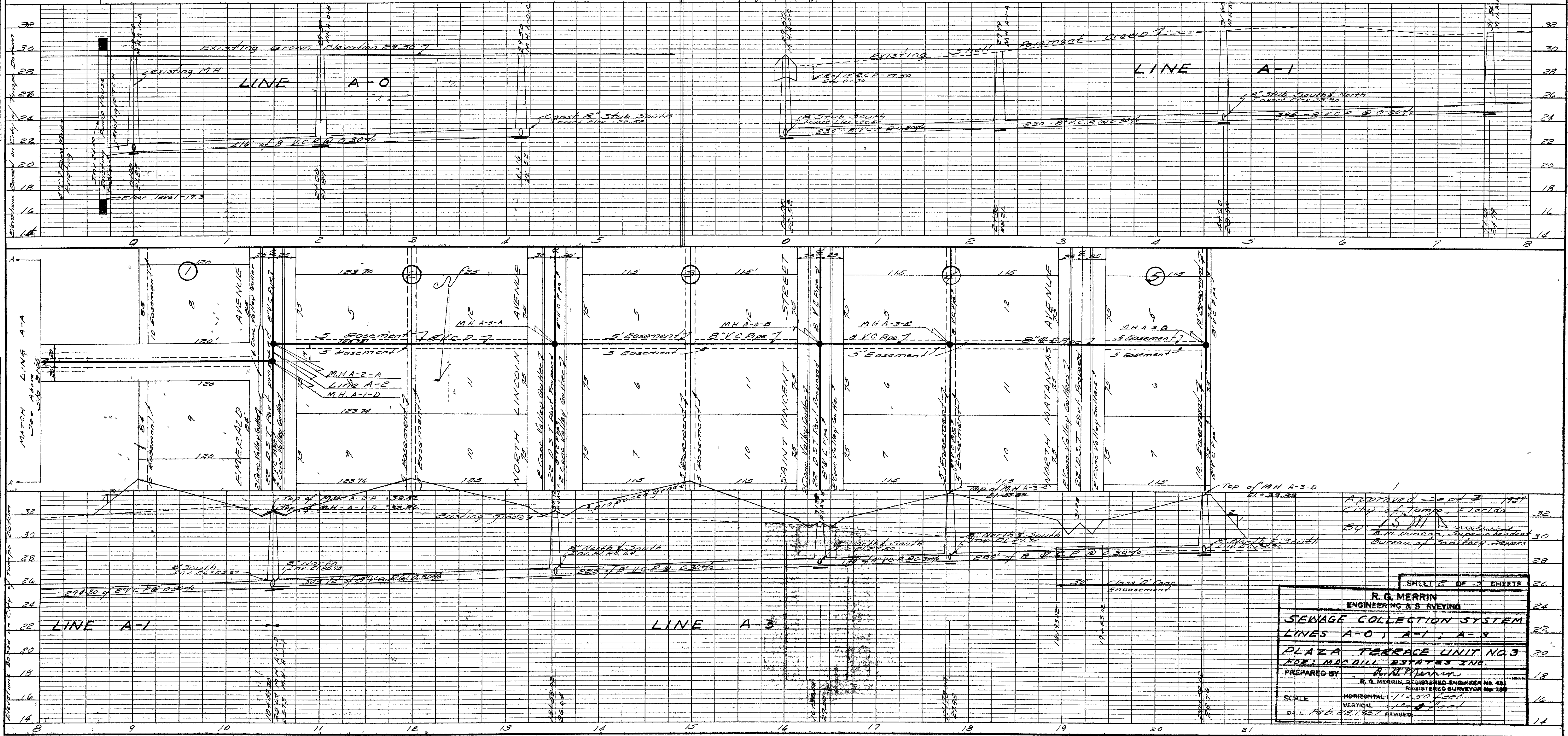
SHEET
2

014-019B

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



PROFILE
 SURVEYED BY DATE
 NOTE BOOK GRADES CHECKED
 B.M. NOTED
 STRUCTURE NOTAT NSCH-4D
 NO.



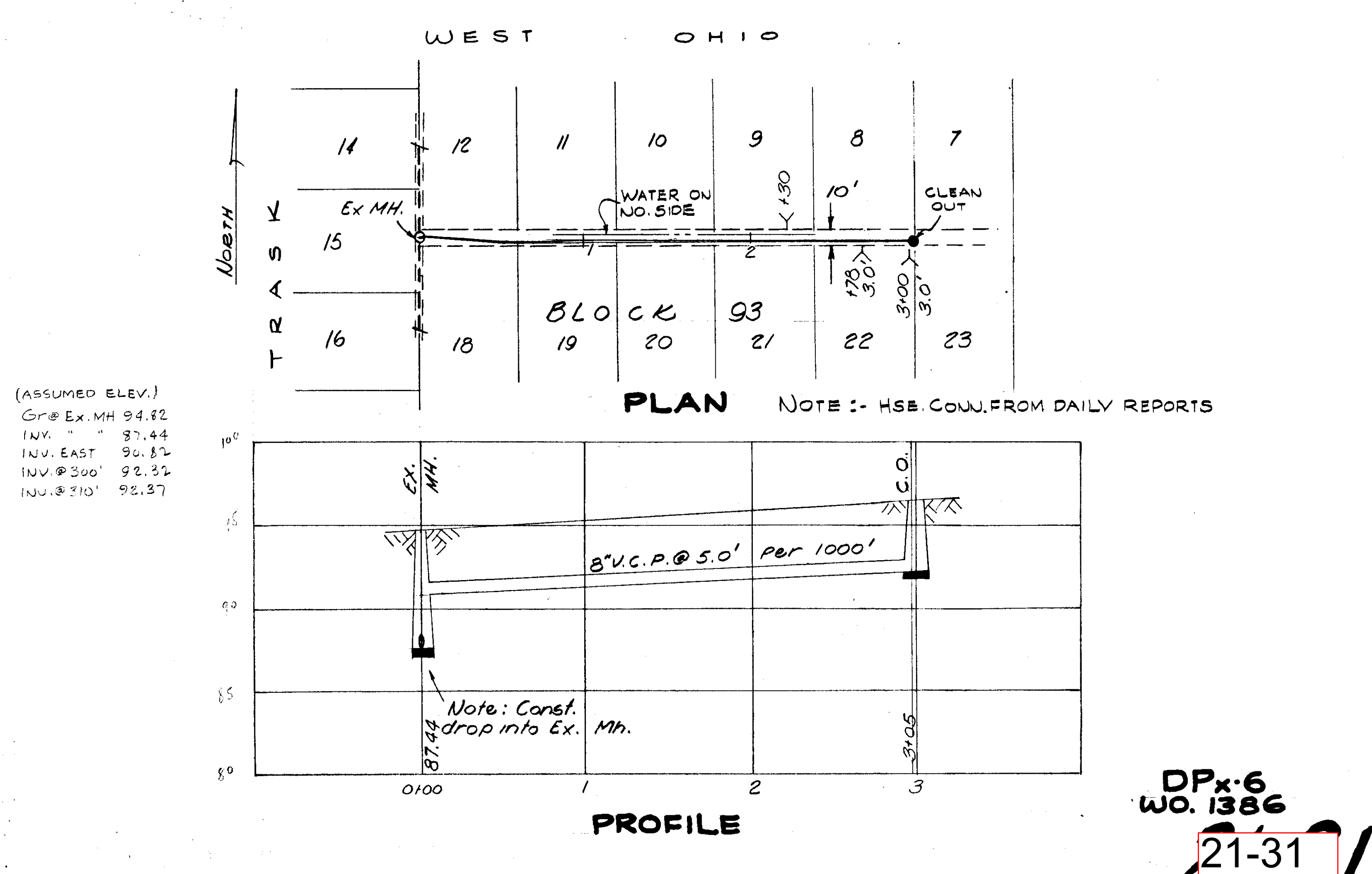
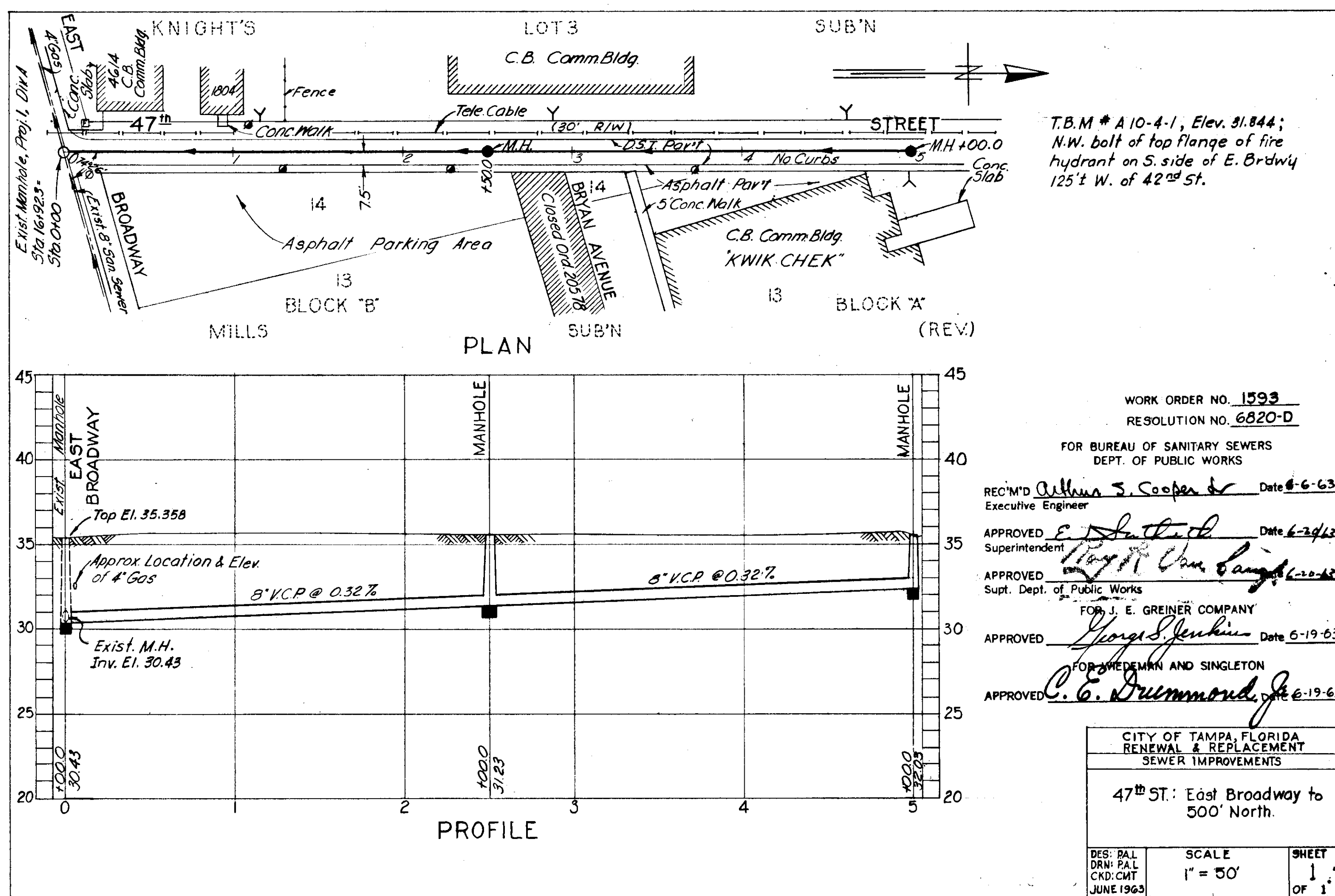
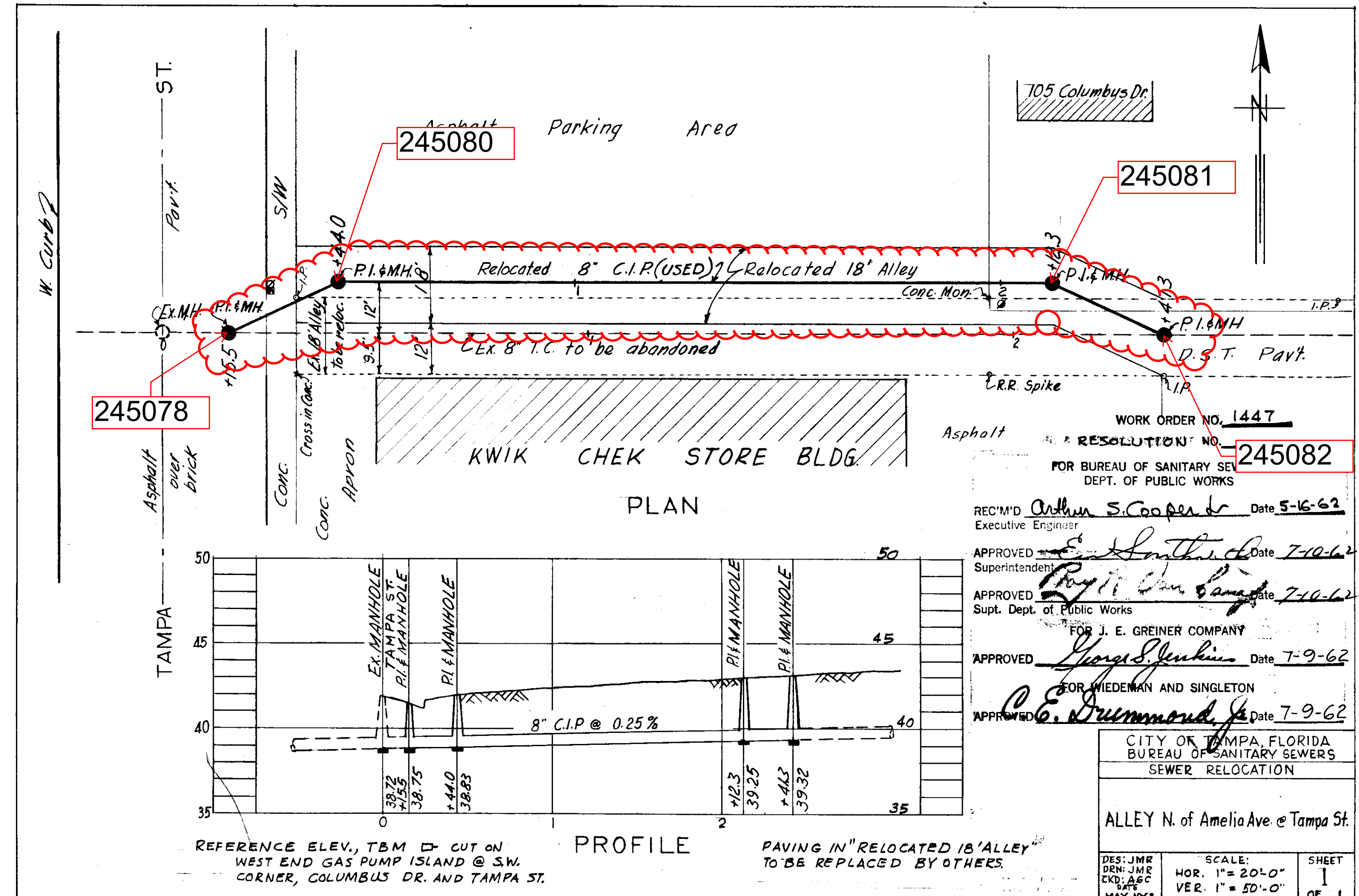
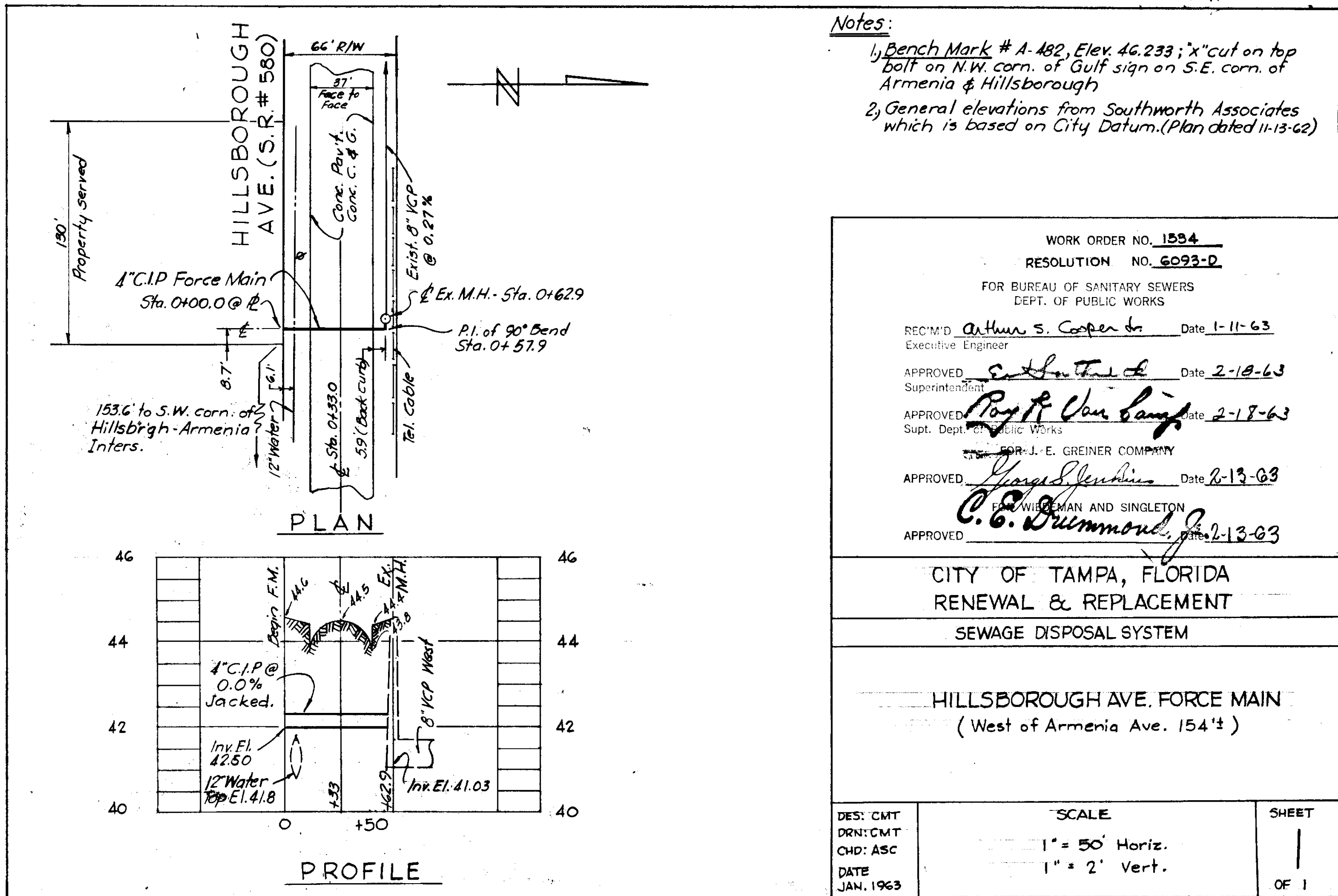
SHEET 2 OF 3 SHEETS

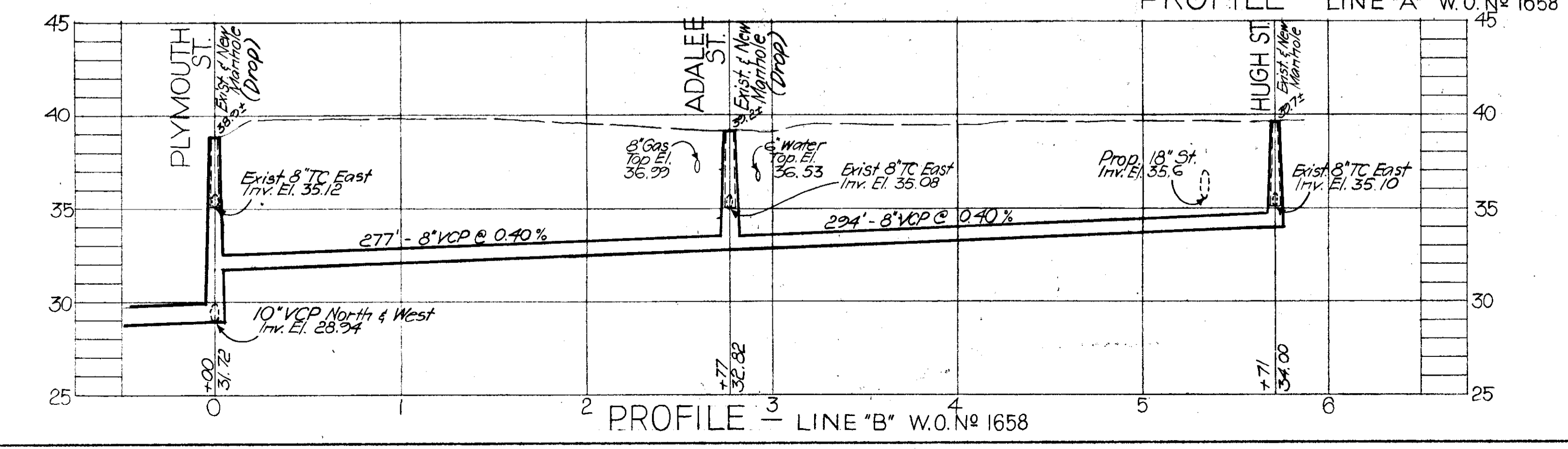
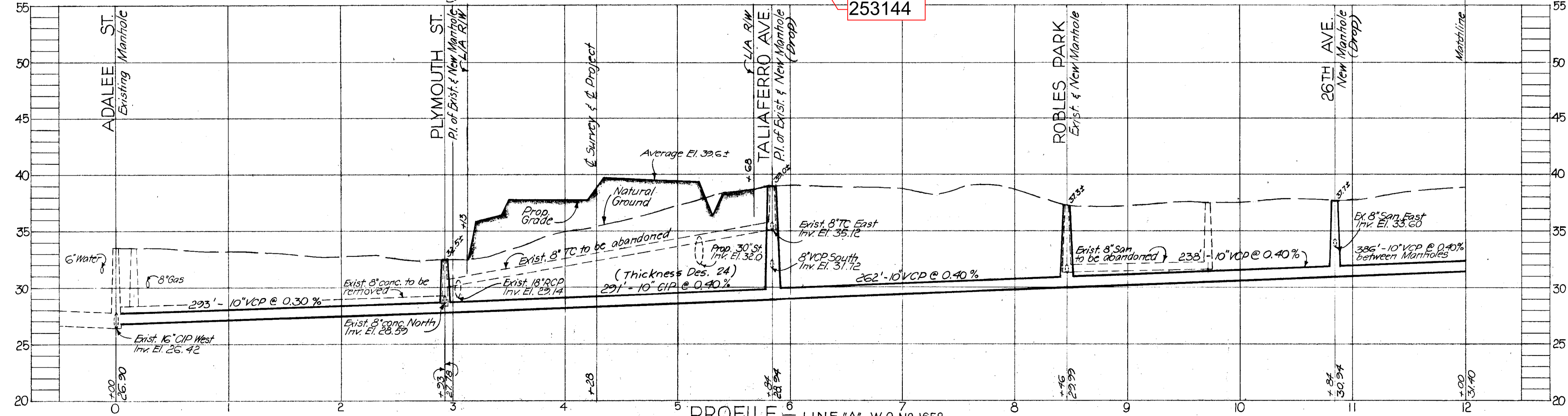
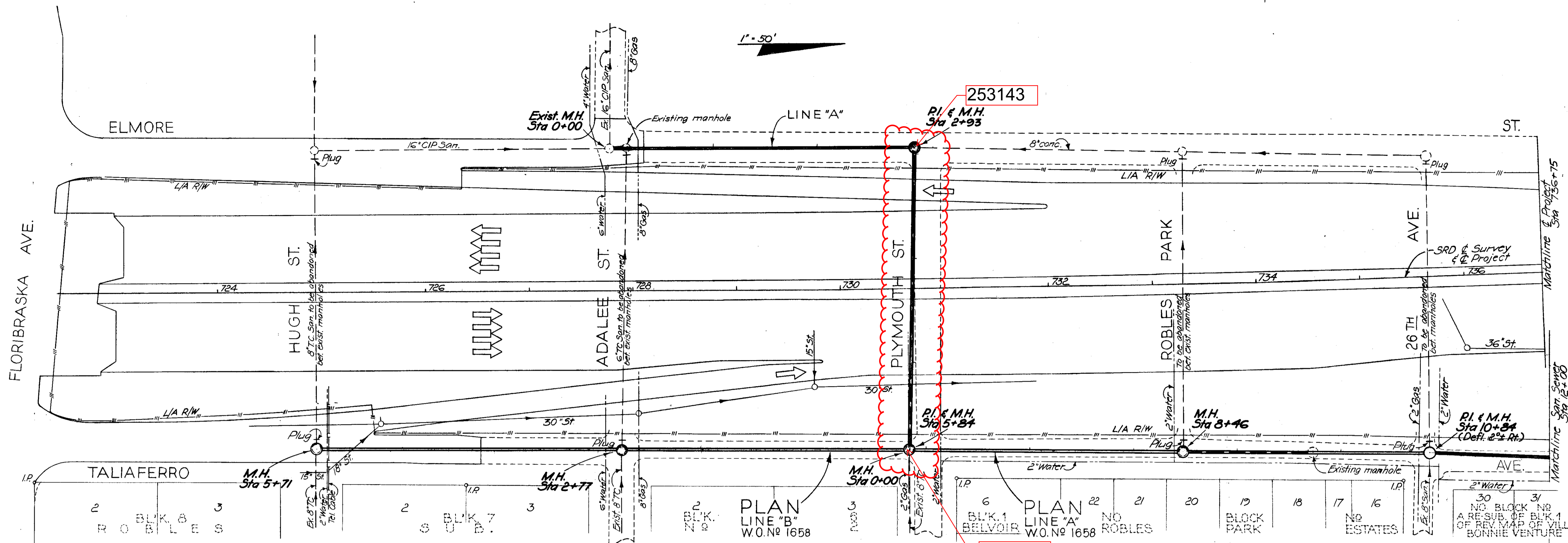
R. G. MERRIN
 ENGINEERING & SURVEYING

SEWAGE COLLECTION SYSTEM
 LINES A-0, A-1, A-3
 PLAZA TERRACE UNIT NO. 3
 FOR MAC DILL ESTATES INC.

PREPARED BY: *R. G. Merrin*
 R. G. MERRIN, REGISTERED ENGINEER NO. 431
 REGISTERED SURVEYOR NO. 128

SCALE: HORIZONTAL 1" = 50' FEET
 VERTICAL 1" = 5' FEET
 DATE: FEB 23, 1957 REVISED





EXPRESSWAY FORCE ACCOUNT No 8 W.O. No 1658

CITY OF TAMPA, FLORIDA
BUREAU OF SANITARY SEWERS

MODIFICATIONS DUE TO EXPRESSWAY SYSTEM

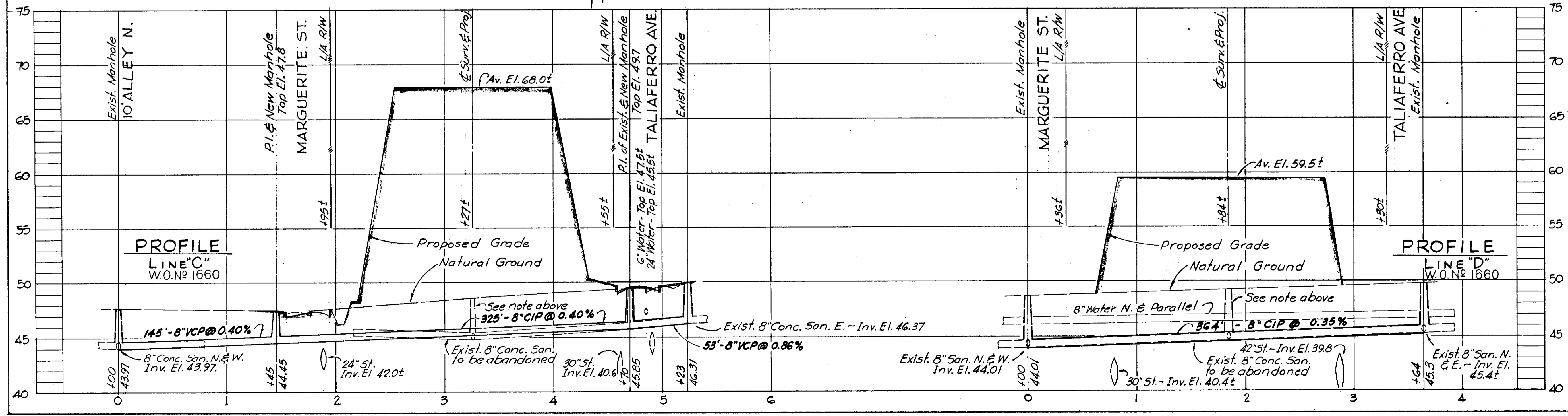
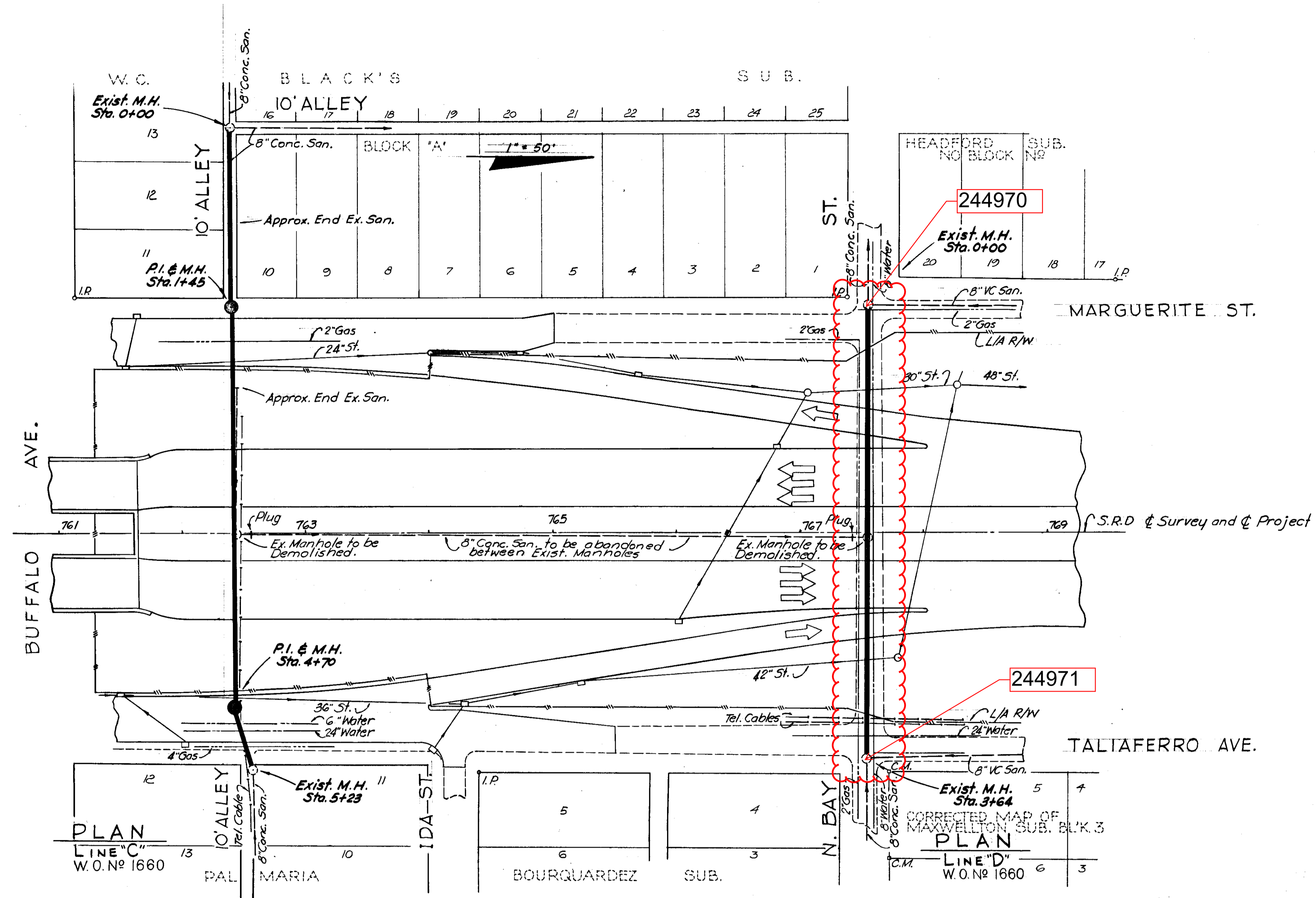
FLORIBRASKA AVE. THROUGH E. IDLEWILD AVE.
IN CONJUNCTION WITH
S. R. D. PROJECT No 10320 - 6404

LINES 'A' & 'B'

DES. C.M.T.
DR. H.K.C.
CKD. A.S.C.
DATE
MARCH 1964

SCALE:
0 50 100
1" = 50'

SHEET
2
OF 7



EXPRESSWAY
FORCE ACCOUNT No 8 W.O. No 1660

CITY OF TAMPA, FLORIDA
BUREAU OF SANITARY SEWERS

MODIFICATIONS DUE TO EXPRESSWAY SYSTEM

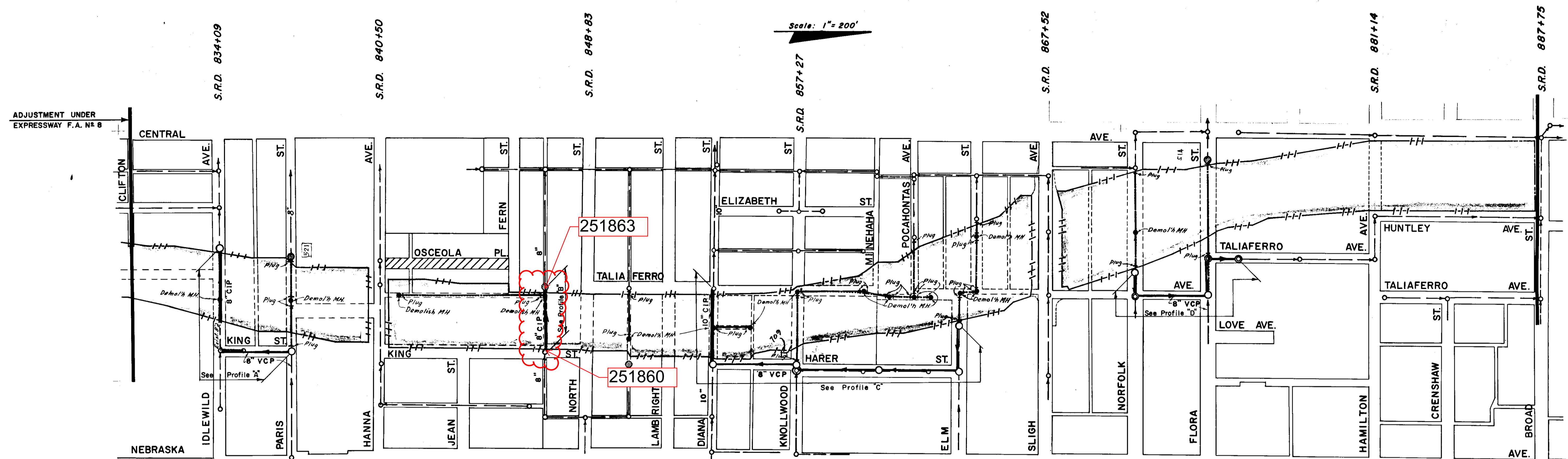
FLORIBASKA AVE THROUGH E. IDLEWILD AVE.
IN CONJUNCTION WITH
S. R. D. PROJECT No 10320 - 6404

LINES 'C' & 'D'

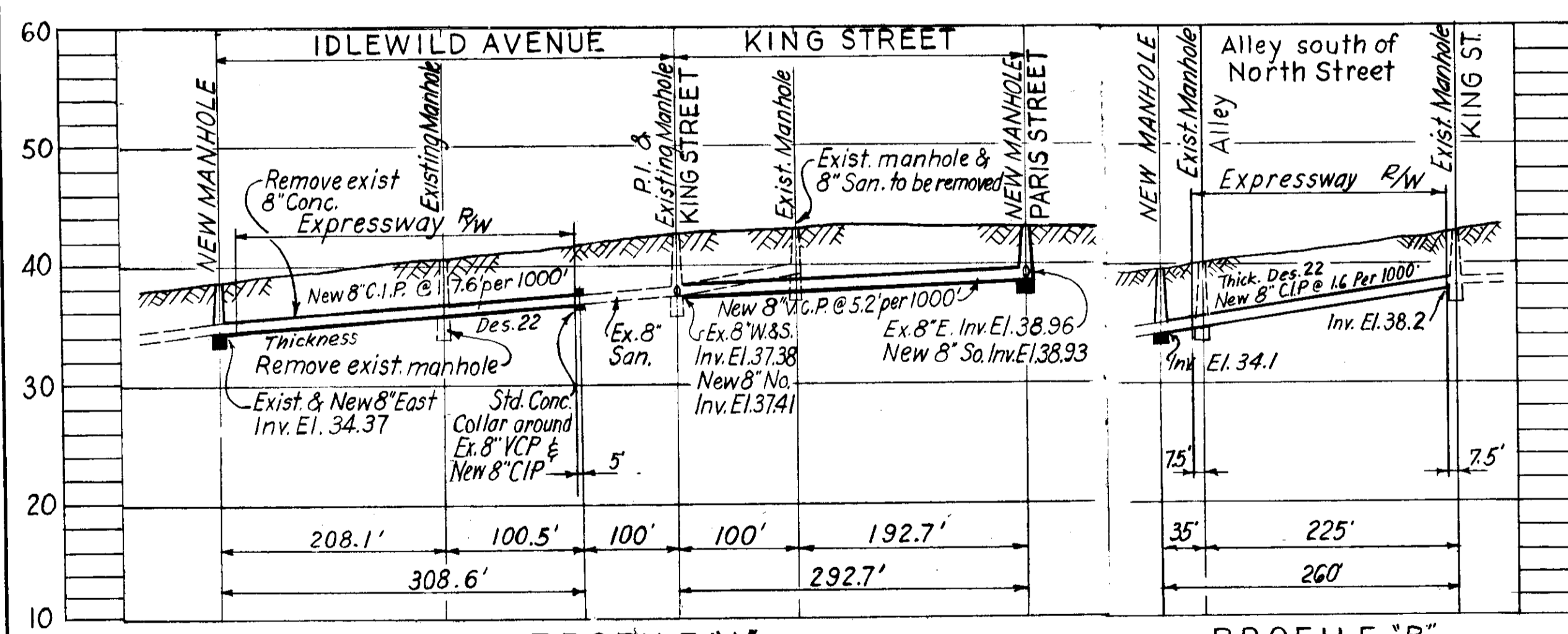
DES. C.M.T.
DR. C.M.T.
CKD. A.S.C.
DATE
MARCH 1964

SCALE:
50 0 50 100
1" = 50'

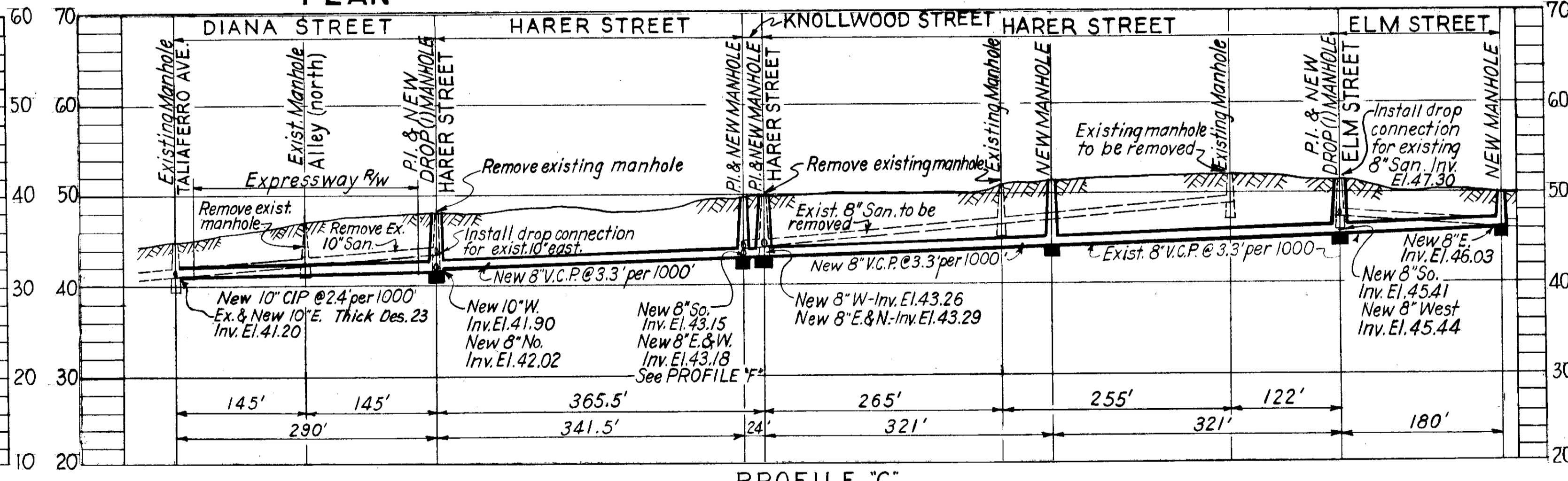
SHEET
5
OF 7



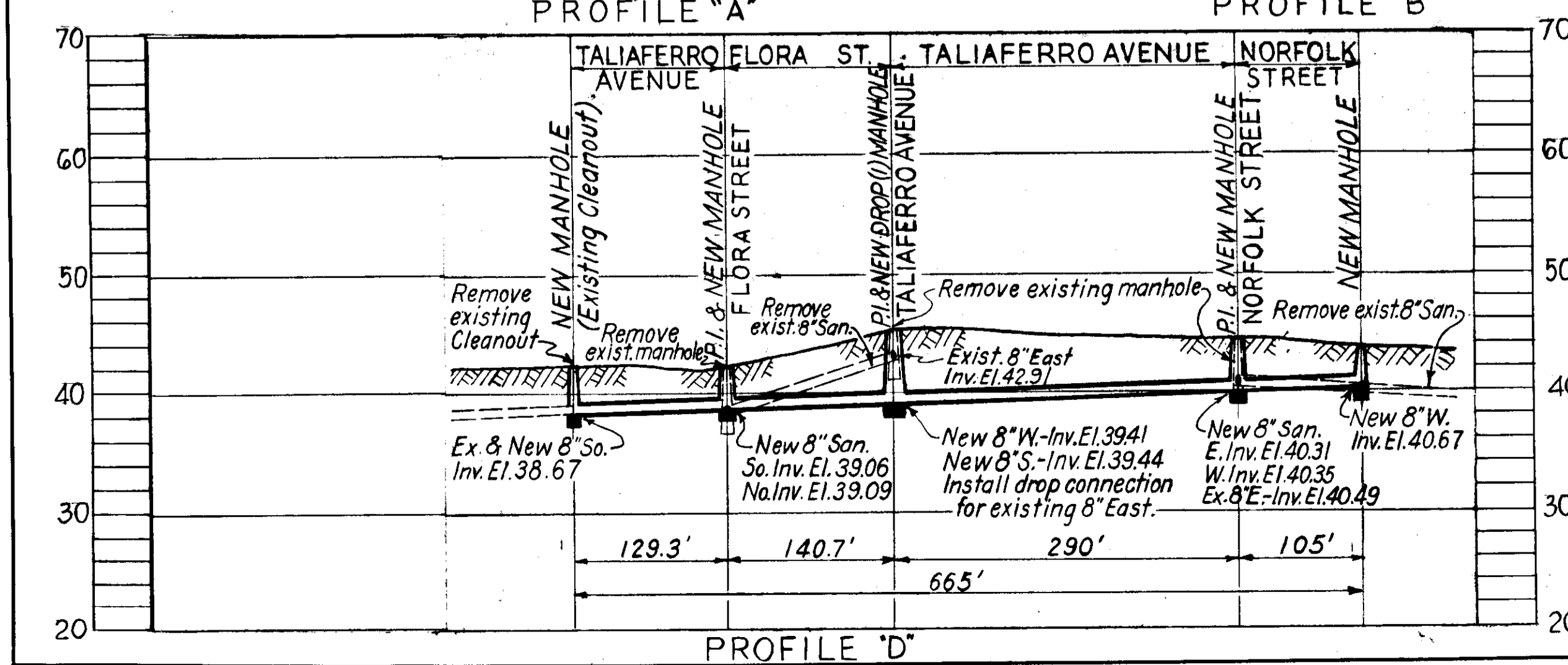
PLAN



PROFILE "A"



PROFILE "C"



PROFILE "D"

- LEGEND-
- S.R.D. 0+00 - Typical & Survey & Project Sta.
 - Limited Access R/W
 - Exist Sanitary Sewer
 - Proposed Sanitary Sewer
 - Construct Std. Manhole at Existing Sewer
 - Exist 8" dia. Sewer to be abandoned unless noted otherwise, and Manhole to be demolished.

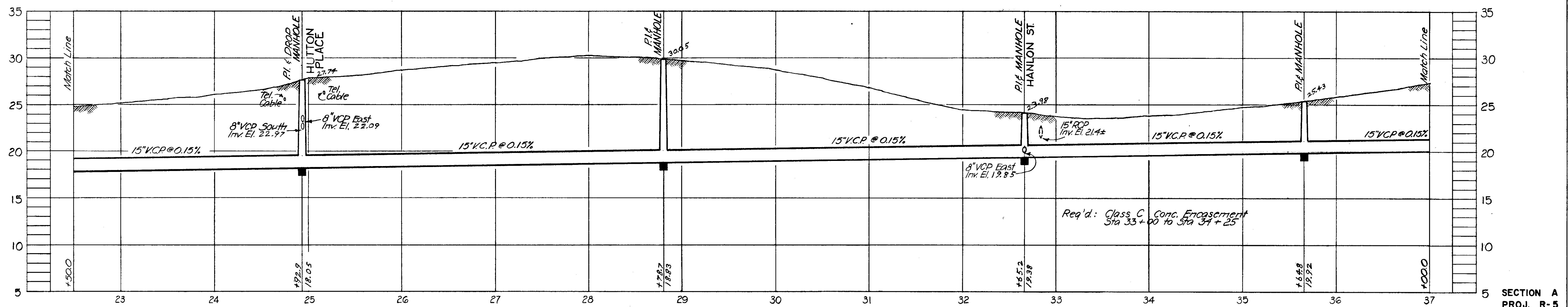
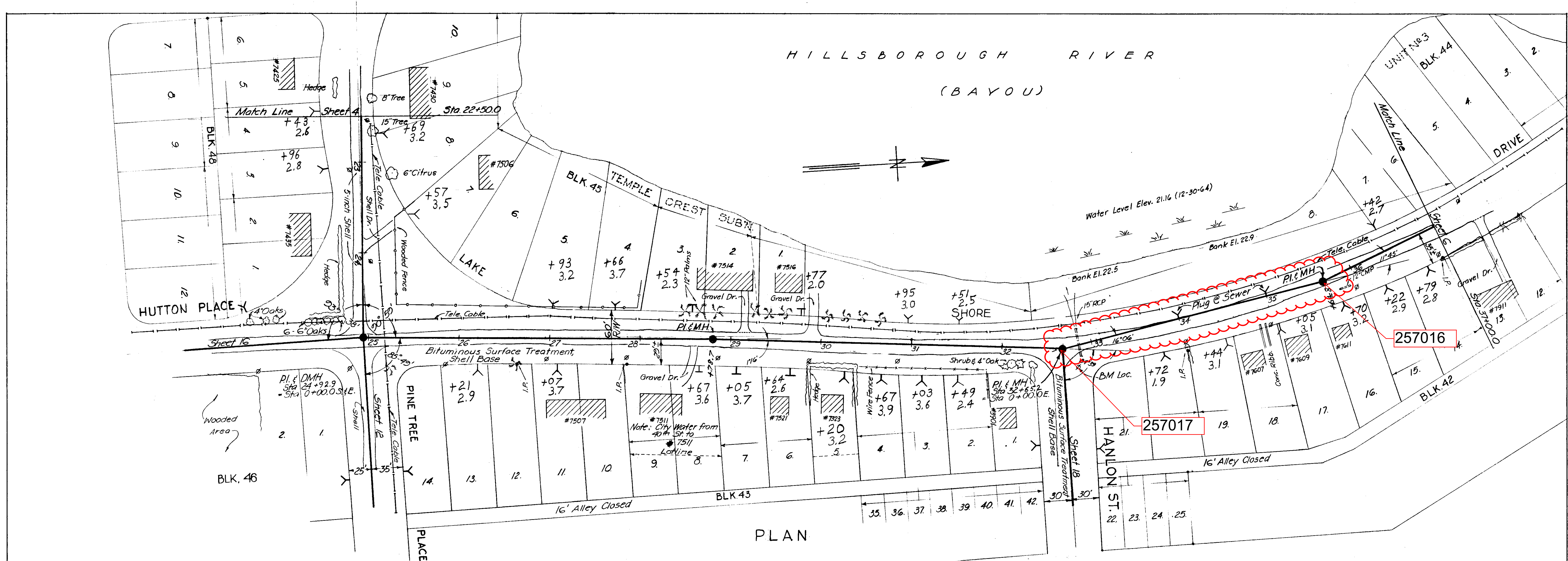
Expressway Force Account N° 9 W.O. 1148

CITY OF TAMPA, FLORIDA
BUREAU OF SANITARY SEWERS
MODIFICATIONS DUE TO EXPRESSWAY SYSTEM

IN CONJUNCTION WITH
S. R. D. PROJECT N° 10320 - 6405

REVISION DATES	DES. JR.-R.J. DR. J.M.R. CKD. A.S.C. DATE: JUNE 1964	SCALE: 1" = 200' Horiz. 1" = 10' Vert.	SHEET 12
----------------	---	--	-------------

22-41b



PROFILE

- NOTES:
- Datum used: BM A9-2-1, Elev. 23.267
Spike in Power Pole @ N.E. Corner of Lake Shore Dr. & Hanlon St.
 - City of Tampa Water Dept records indicate absence of residential conn. service to area shown hereon, except as noted.

AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS
ACCORDING TO CONSTRUCTION RECORDS
NO. OF 4-29-66 PER E.R.

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
D-15	3

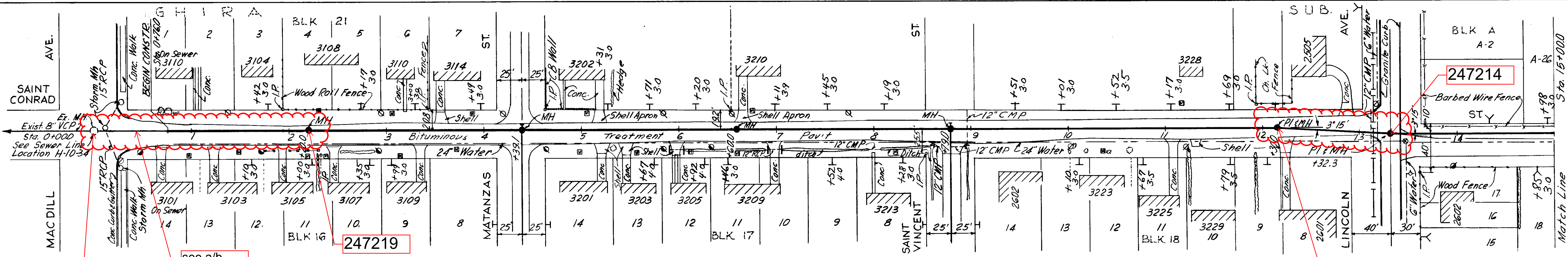
CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWAGE DISPOSAL SYSTEM

LAKE SHORE DRIVE TRUNK SEWER
Sta 22+50.0 to Sta. 37+00.0

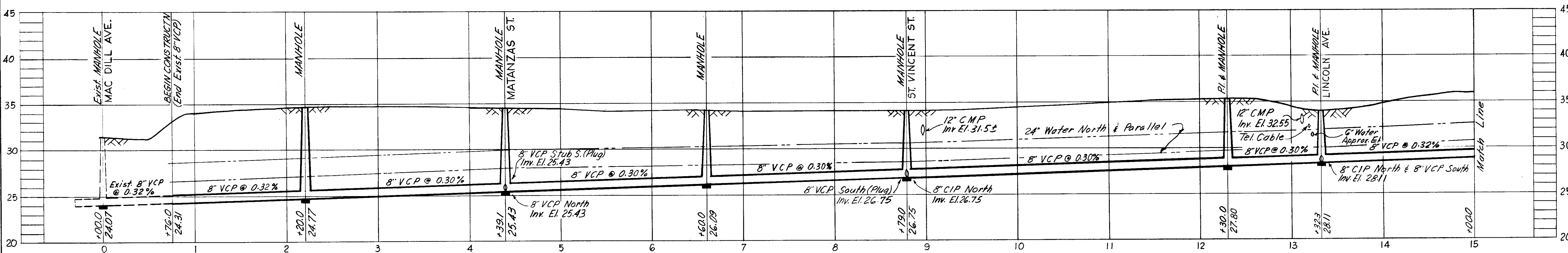
DES: C.T.
DRN: H.K.
CKD: A.C.
DATE: APRIL 1965

SCALE 50 0 50 100
1" = 50'

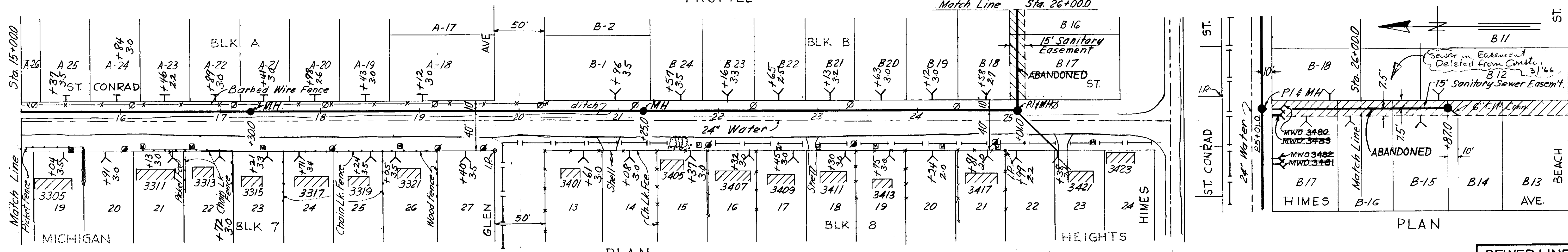
SHEET: 5 OF 28



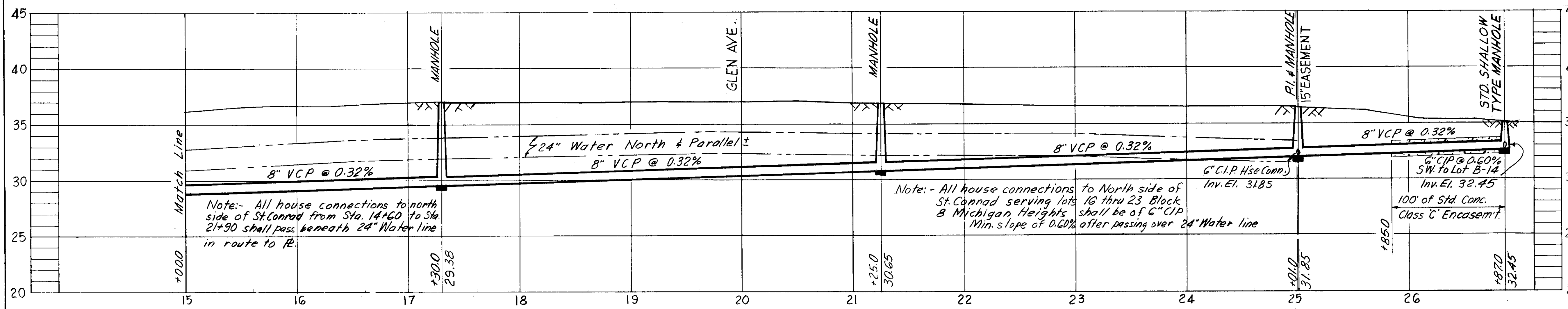
PLAN



PROFILE



PLAN



PROFILE H-10-47

Datum: B.M. A-396 Elev. 35.070
 □ cut on N.W. corner conc. Dr. @ S.E. corner of Lincoln and St. Conrad.

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
H-10	47

W.O. 1740
CITY OF TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWER IMPROVEMENTS

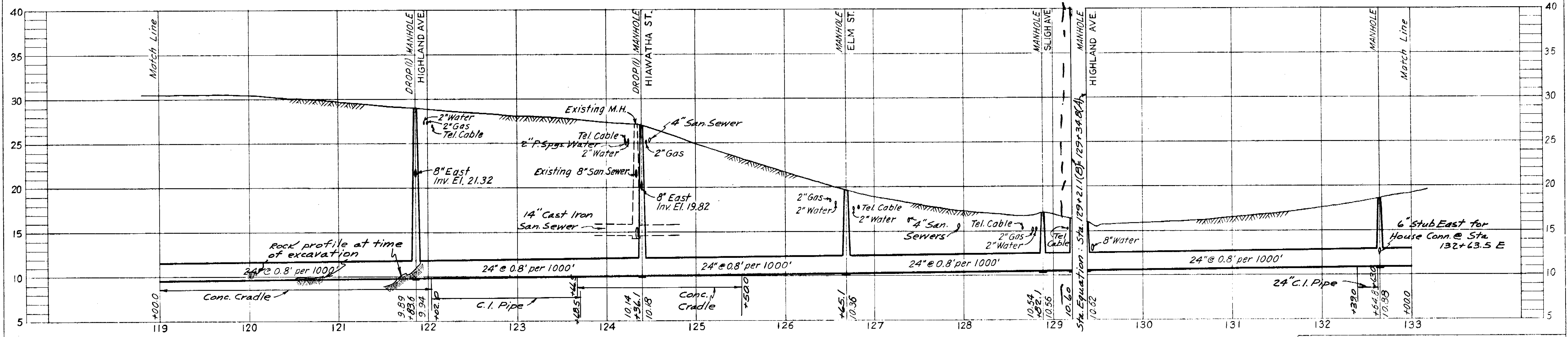
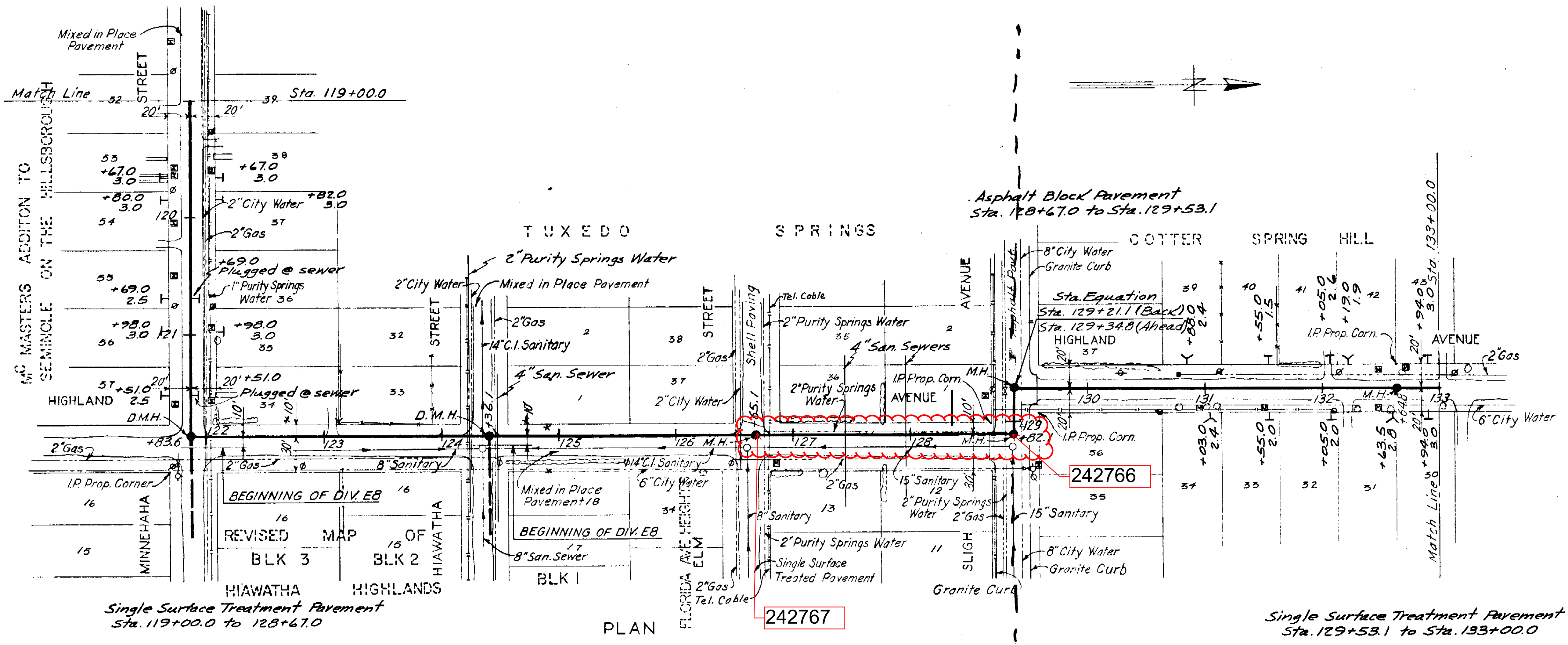
ST. CONRAD ST.: Mac Dill Ave. to Himes Ave.

DES: CMT
 DRN: JMR
 CKD: CMT
 DATE: OCT. 1965

SCALE: 1" = 50'

SHEET 3 OF 3

Drainage Subdistrict A - 6



PROFILE

SEWER LINE LOCATION
E-12-27
 E-12-27

SEWER LINE LOCATION
D-12-25

CITY OF TAMPA, FLORIDA
 SEWAGE DISPOSAL SYSTEM
 DIVISION B5
 SEMINOLE HEIGHTS INTERCEPTING SEWER
 STA. 119+00 TO STA. 133+00

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

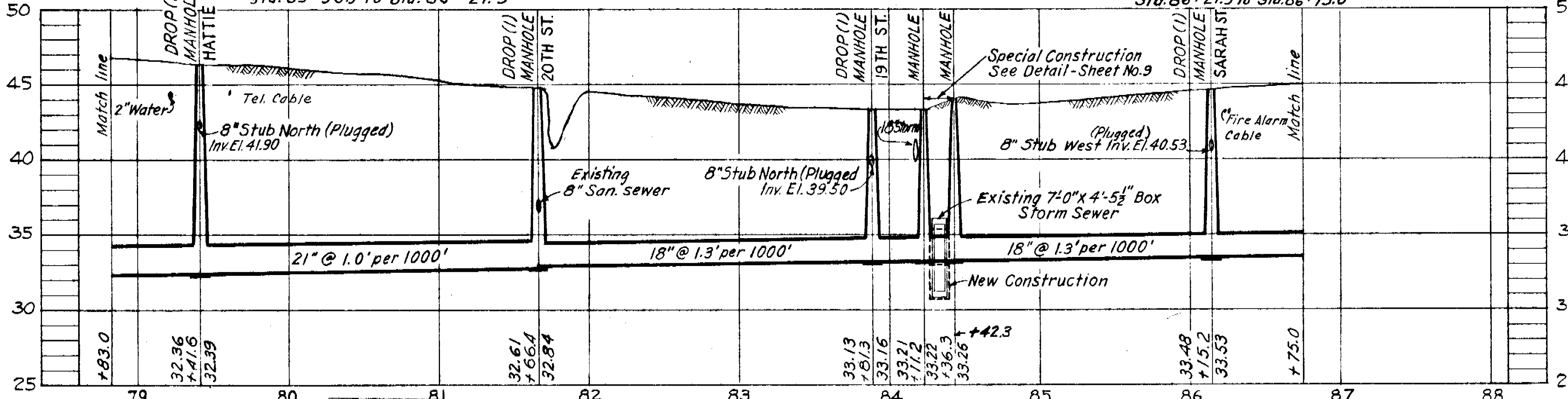
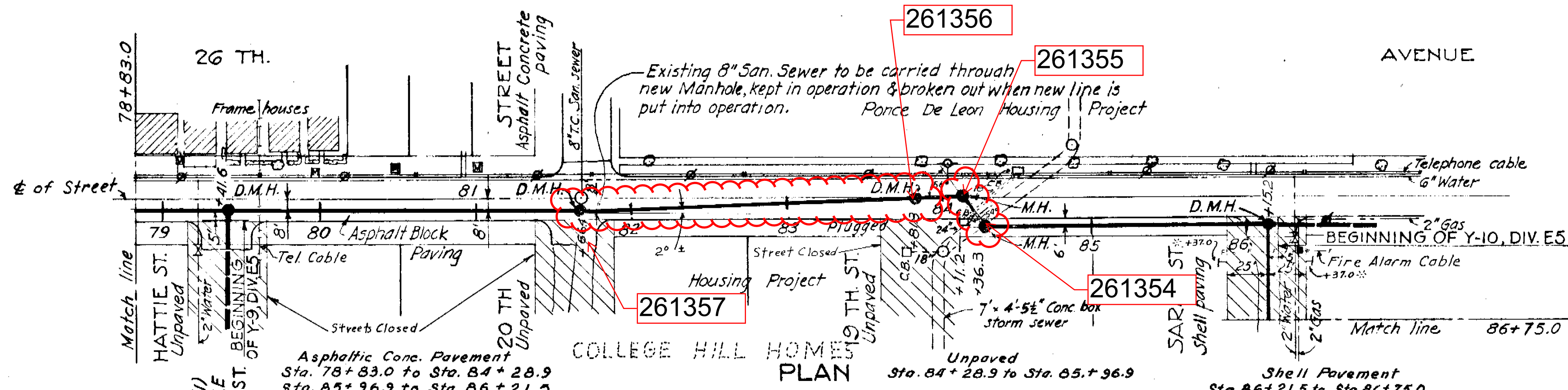
AS-BUILT PLAN
 Revised to show actual conditions according
 to construction records as of April 9, 1952
 (J.J.S. 5-8-52)

DES. P.F.L.
 DR. A.J. J.W.H.
 CKD. W.H.S.
 DATE
 MA. 1952

SCALE
 1" = 50'

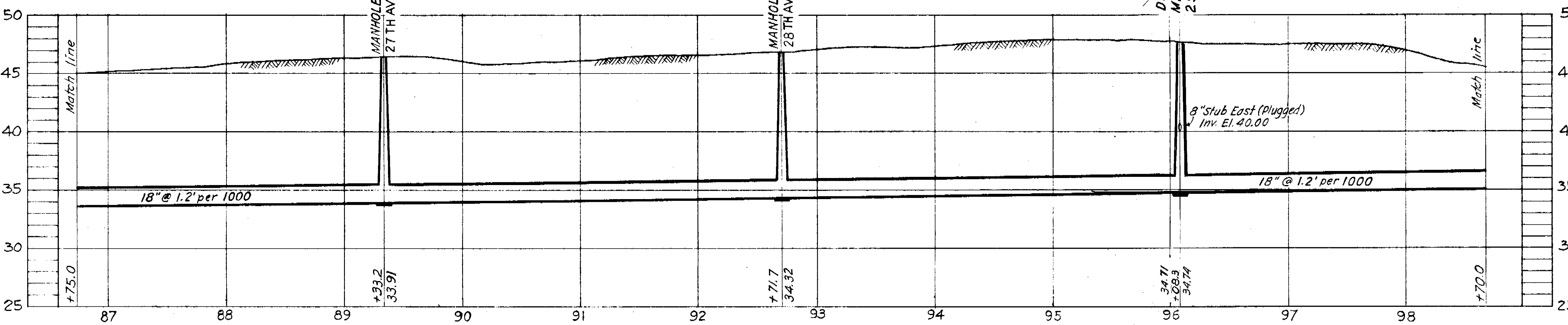
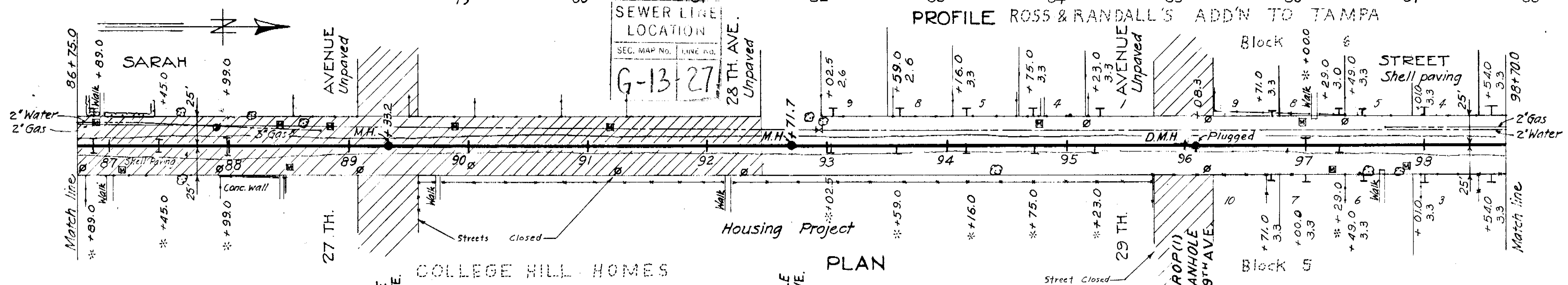
SHEET
B5-12
 OF 19

38-27



* House Connections Plugged At Sewer

Station	Direction
86+37.0	E. & W.
86+89.0	E. & W.
87+45.0	E. & W.
87+99.0	E. & W.
97+00.0	W.
97+29.0	E.
93+02.5	E.
93+59.0	E.
94+16.0	E.
94+75.0	E.
95+23.0	E.



GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

SEWER LINE LOCATION
SEC. MAP NO. LINE NO.
G-13-27

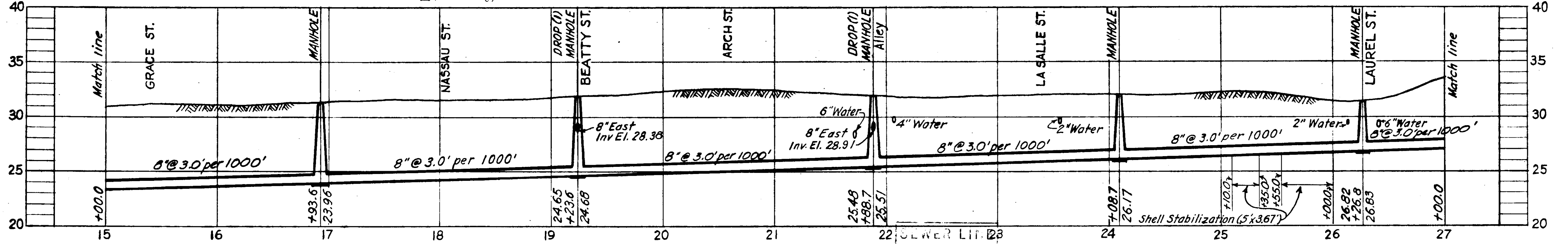
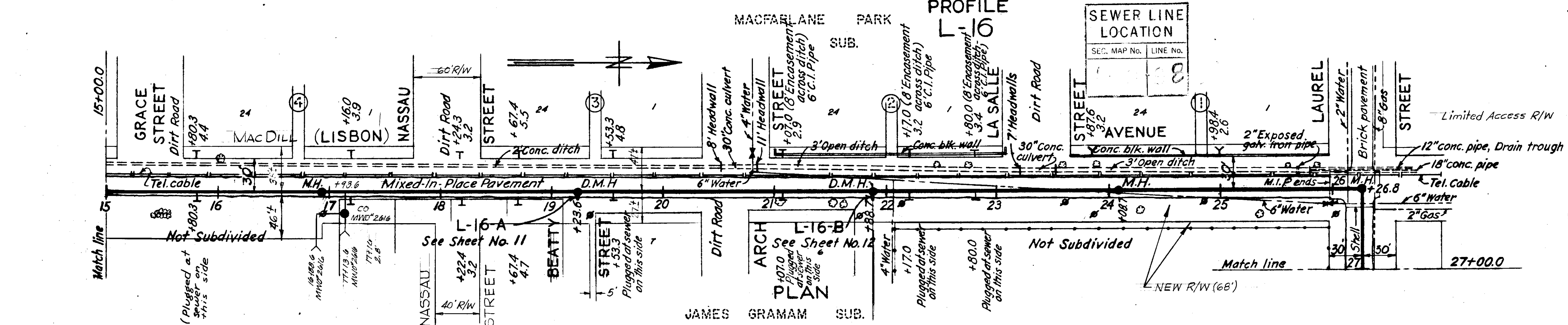
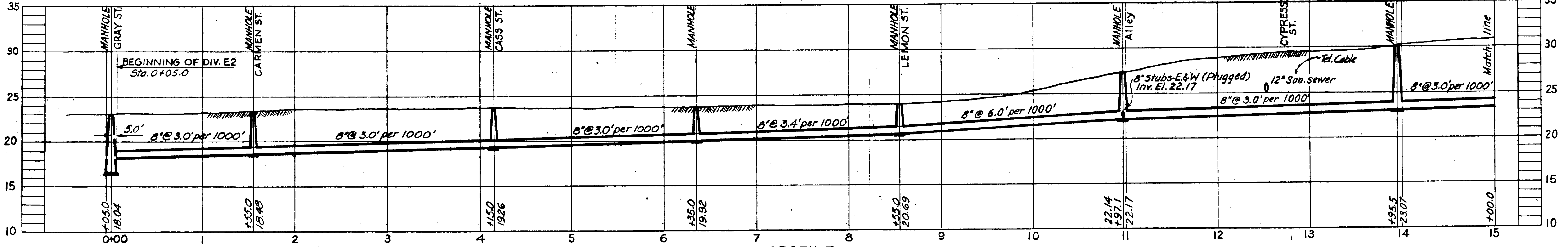
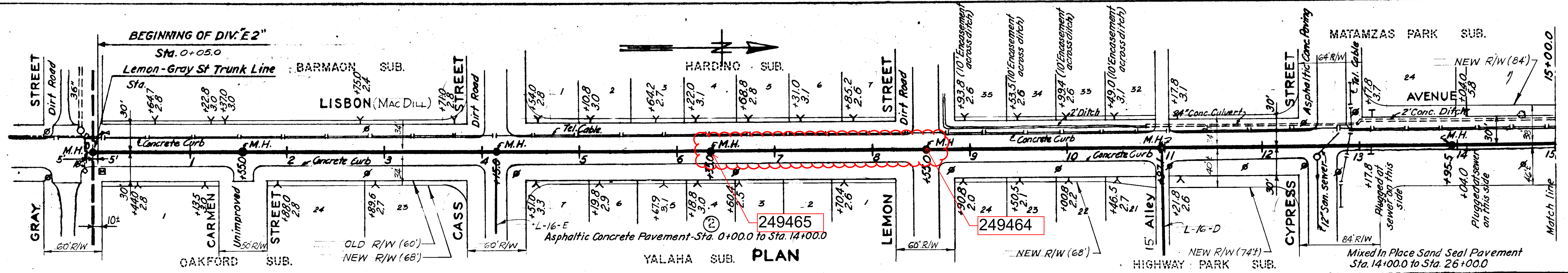
AS-BUILT PLAN
Revised to show actual conditions according to construction records as of Mar. 24, 1951.
(G.L.L. 7-24-51)

CITY OF TAMPA, FLORIDA.
SEWAGE DISPOSAL SYSTEM.
DIVISION CI.
24 TH. STREET TRUNK SEWER.
STA. 78+83 TO STA. 98+70.

DES. REF. DR. ARW:JMV
CHKD. DN. DATE: JUNE 1949

SCALE
0 50 100 1" = 50'

SHEET
CI-7
OF 11



EXPRESSWAY - INTERSTATE 4

Note: New R/W added from D.P.W. Plans (File E-15-22) - 10-9-64

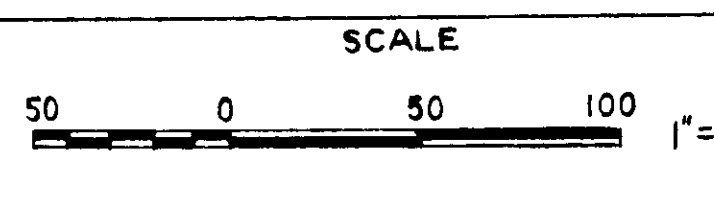
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

PROFILE
L-16

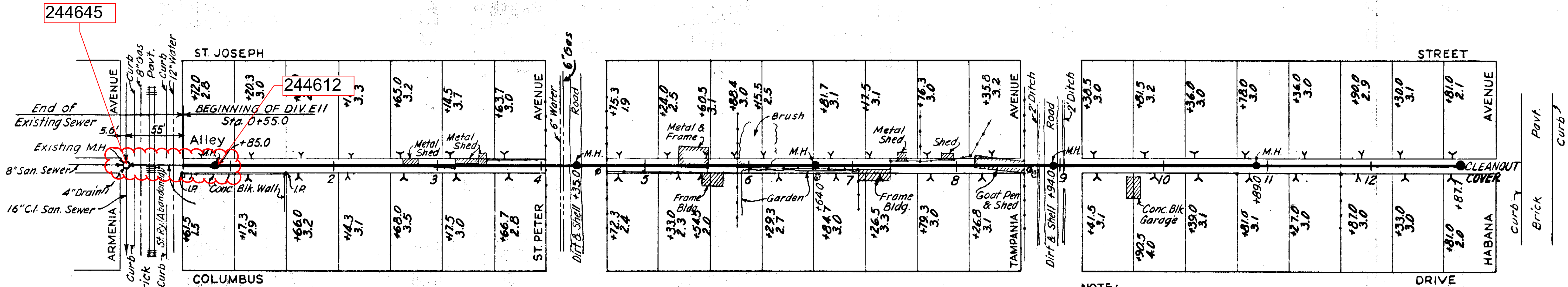
SEWER LINE LOCATION
SEC. MAP No. 18
LINE No. 18

AS-BUILT PLAN
Revised to show actual conditions according
to construction records as of May 12, 1950
(R.M.J. 3-14-51)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS	
DIVISION E2	
L-16 STA. 0+00 TO STA. 27+00	
DES. R.E.H. DR. J.W.H. CKD: L.A.B. DATE: JUNE 1949	SHEET E2-9 OF 14



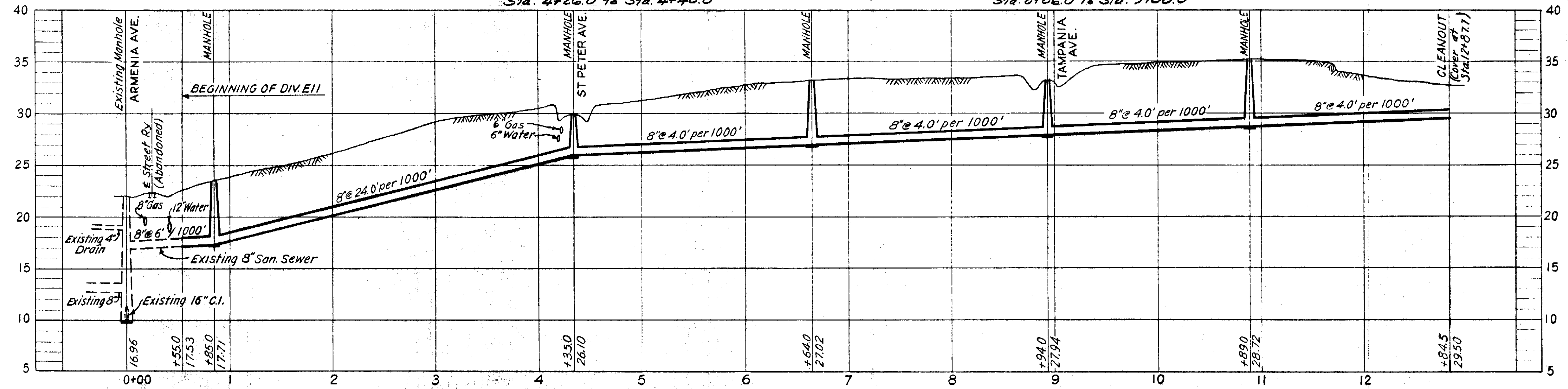
44-10



Unpaved
Sta. 0+55.0 to Sta. 4+26.0
Sta. 4+40.0 to Sta. 8+86.0
Sta. 9+00.0 to Sta. 12+87.7

Shell Pavement
Sta. 4+26.0 to Sta. 4+40.0

Shell Pavement
Sta. 8+86.0 to Sta. 9+00.0



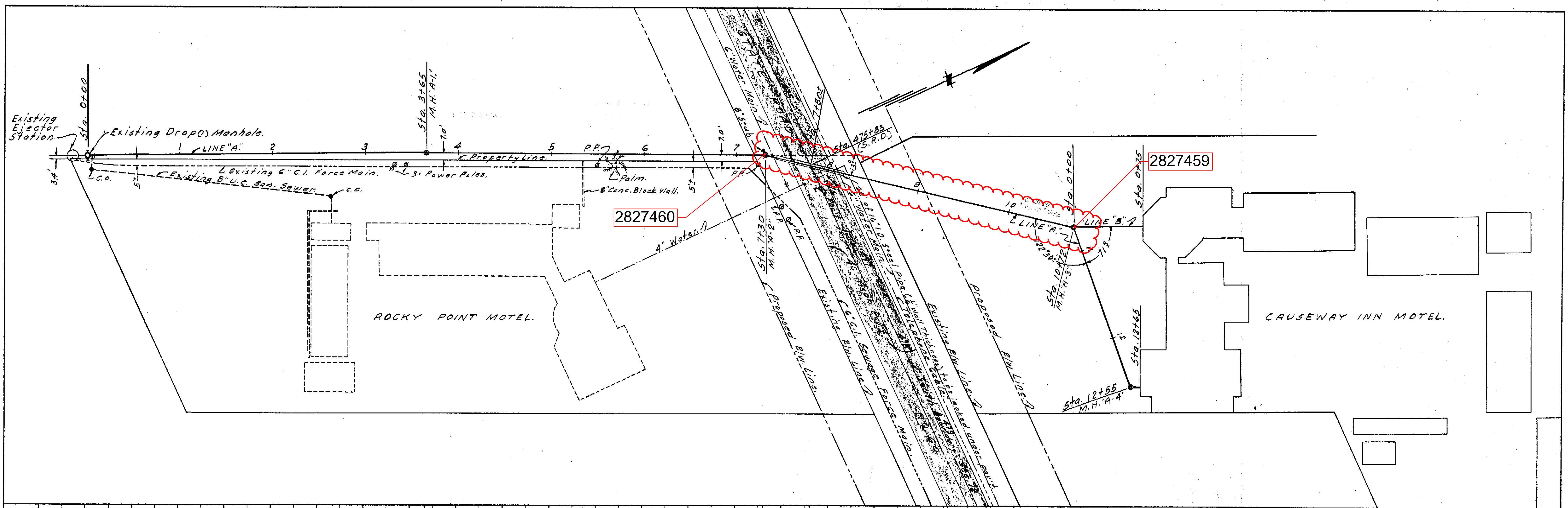
NOTE:
Owner moved Buildings out of Alley.

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

AS-BUILT PLAN
Revised to show actual conditions according
to construction records as of Apr 22, 1952
(W.A.S. 27-29-52)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS	
DIVISION EII	
Gx-2	
DES: L.A.B. DR: J.W.M. CKD: W.W.S. DATE: MAY 1950	SCALE: 0 50 100 1" = 50'
SHEET EII-24 OF 44	

DATE	
BY	
CHECKED	
PLOTTED	
ALIGNED	
NOTE BOOK	
NO.	



DATE	
BY	
CHECKED	
PLOTTED	
ALIGNED	
NOTE BOOK	
NO.	

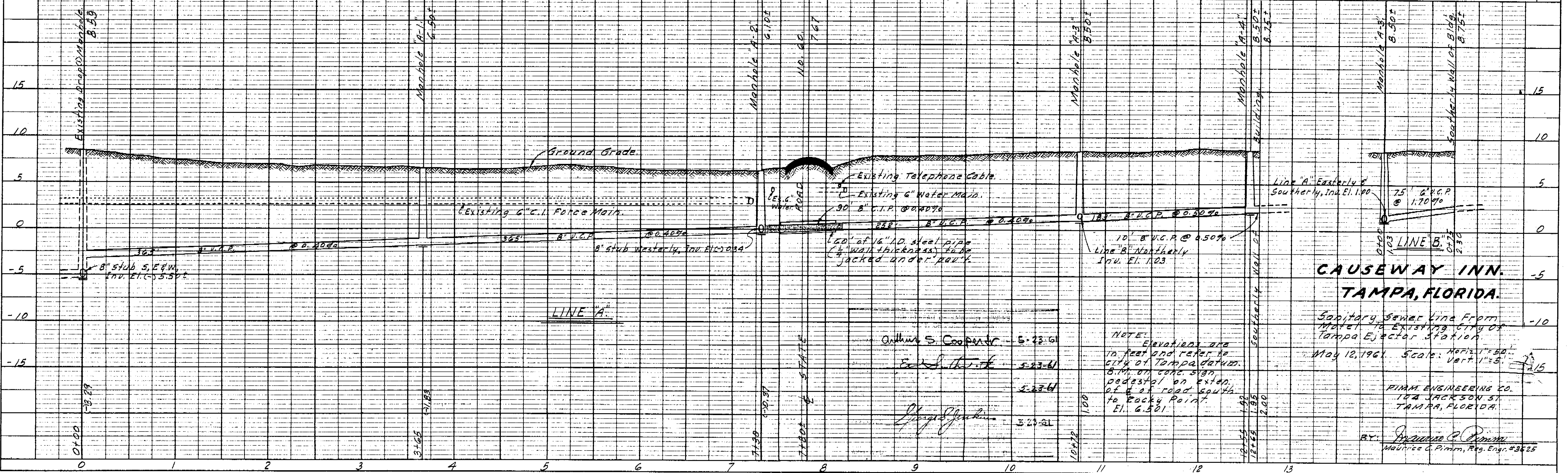


PLATE 1-PLAN-PROFILE O.P.R. & E. STANDARD
 100% AGEPROOF VELLUM-MADE AND PRINTED IN U.S.A.
 EUGENE DIETZEN, CO.

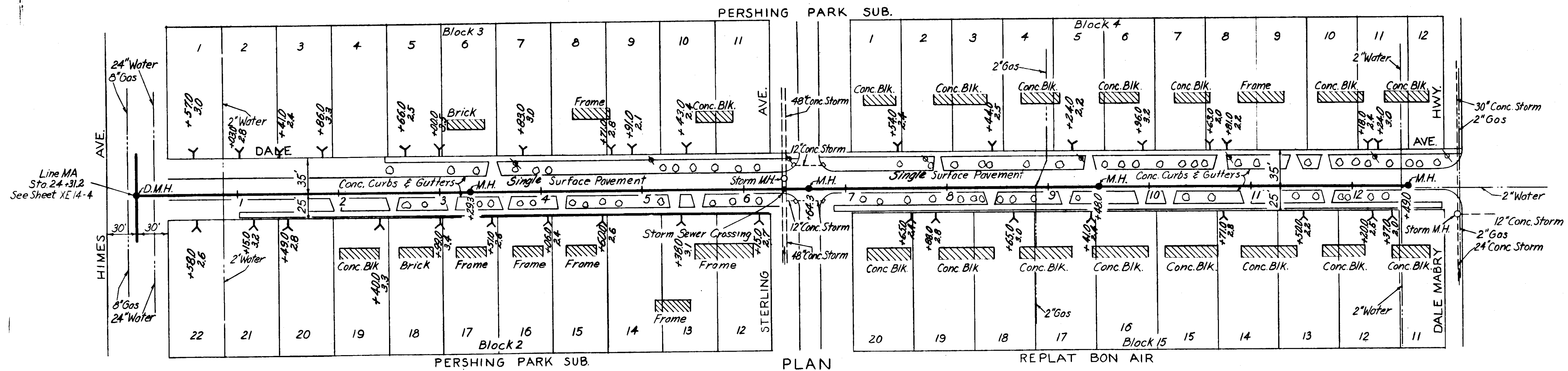
**CAUSEWAY INN.
 TAMPA, FLORIDA.**

Sanitary Sewer Line From
 Motel to Existing City of
 Tampa Ejector Station.
 May 12, 1961. Scale: Horiz. 1"=50'.
 Vert. 1"=5'.

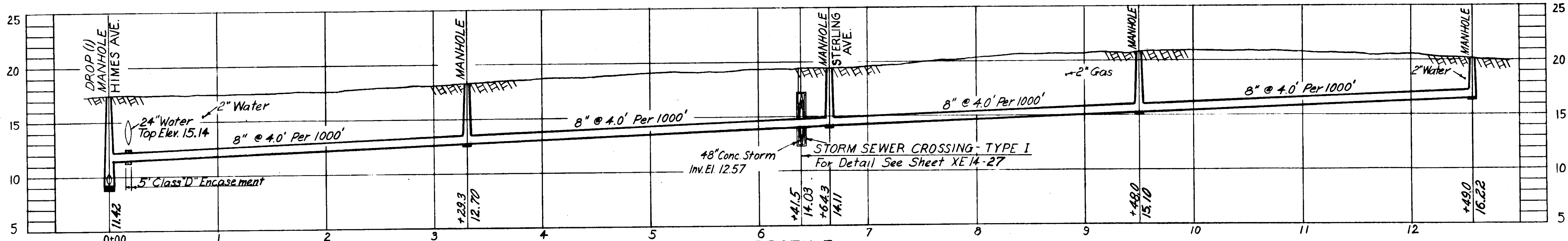
NOTE: Elevations are
 in feet and refer to
 City of Tampa datum.
 B.M. on corner sign
 pedestal on east
 of 4th road south
 to Rocky Point.
 El. 6.501

Arthur S. Cooper 5-23-61
 Ed. L. ... 5-23-61
 ... 5-23-61
 ... 5-23-61

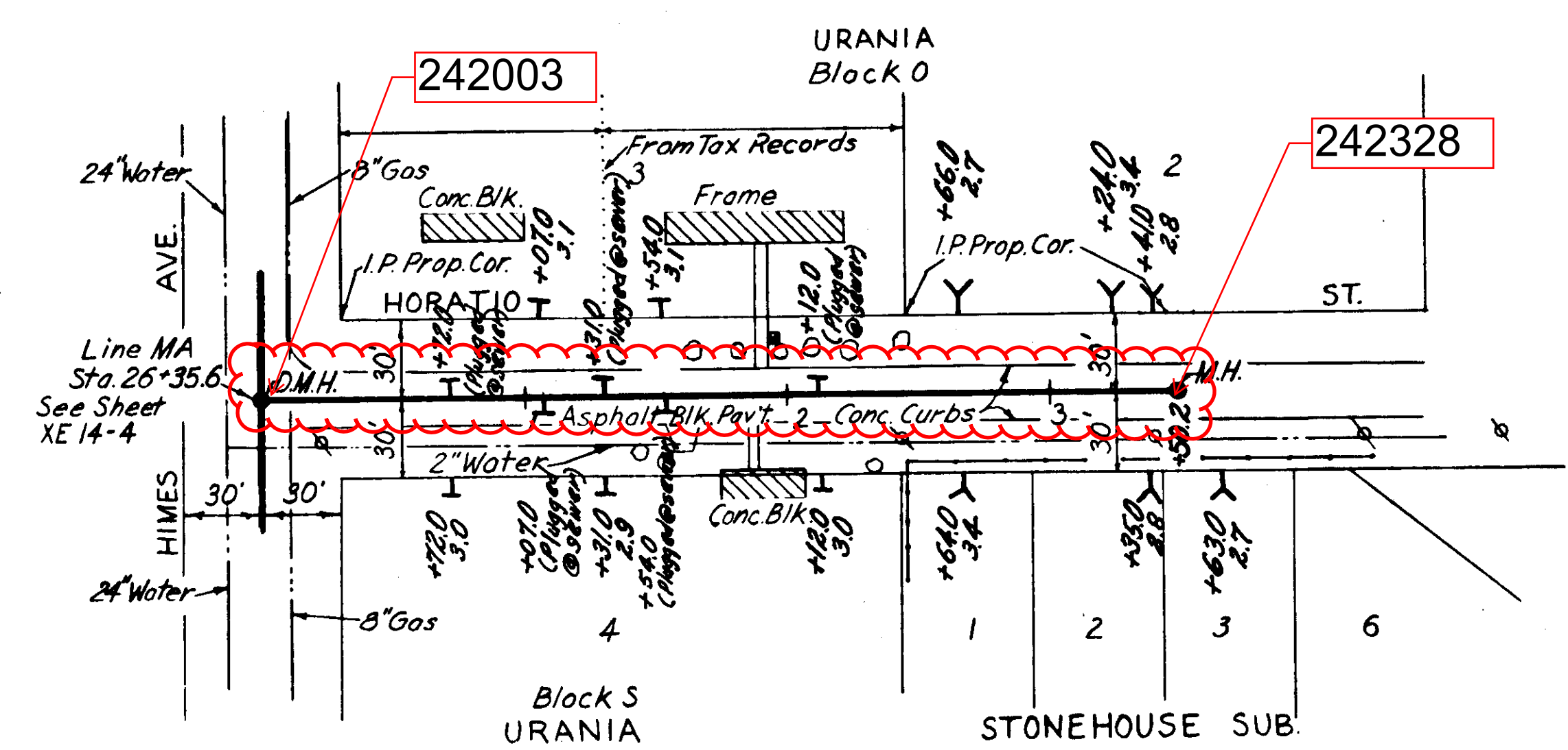
BY: *Maurice C. Pimm*
 Maurice C. Pimm, Reg. Engr. #3625



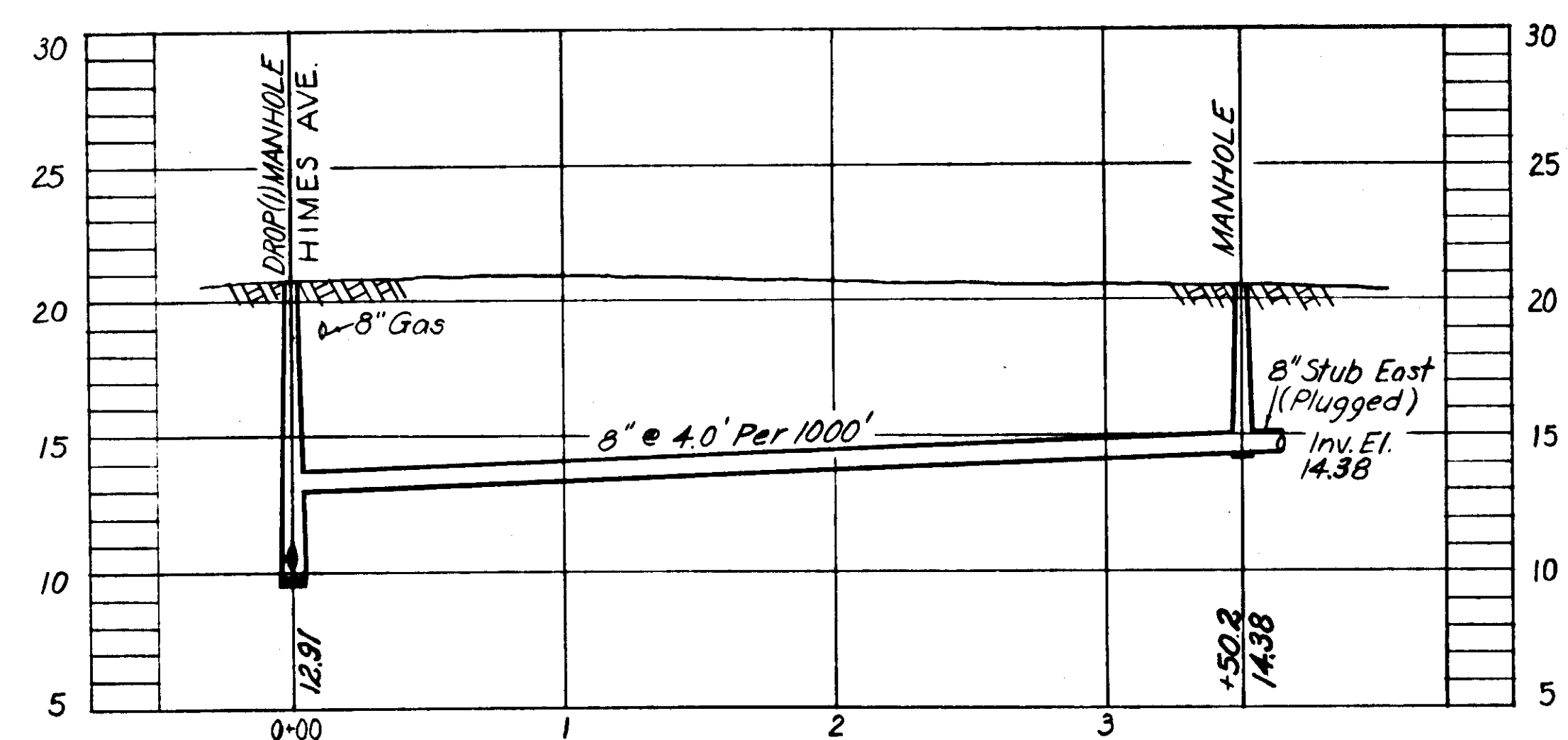
PERSHING PARK SUB. PLAN REPLAT BON AIR



PROFILE MA-13



PLAN MA-14



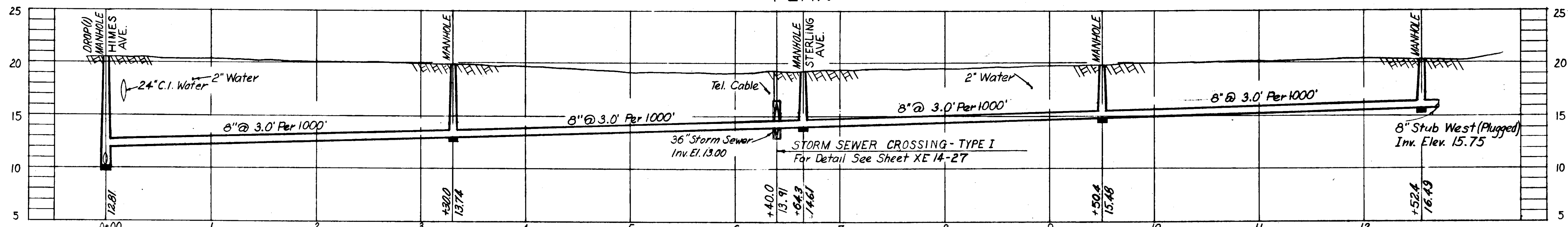
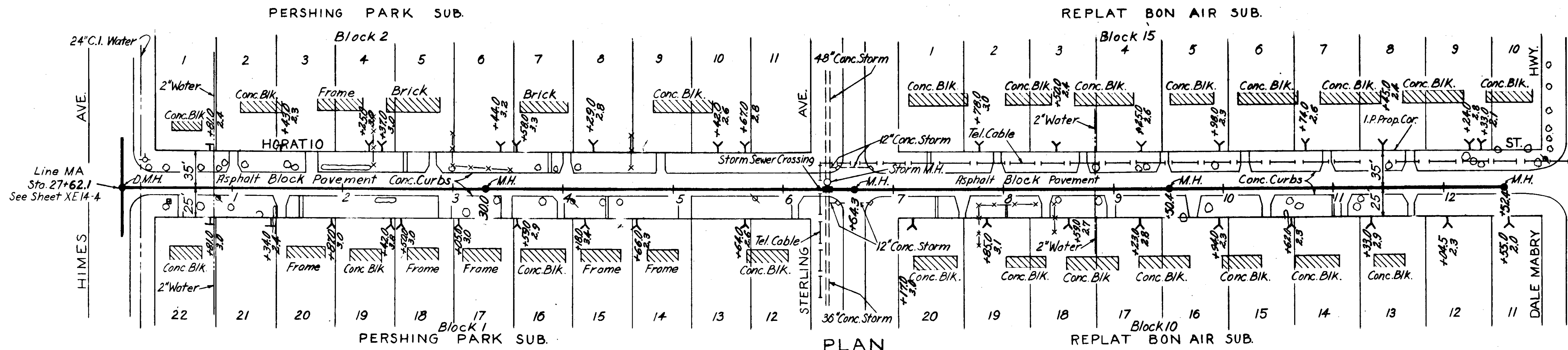
PROFILE MA-14

NOTES:
1. Property lines as indicated by Hillsborough County Tax Records

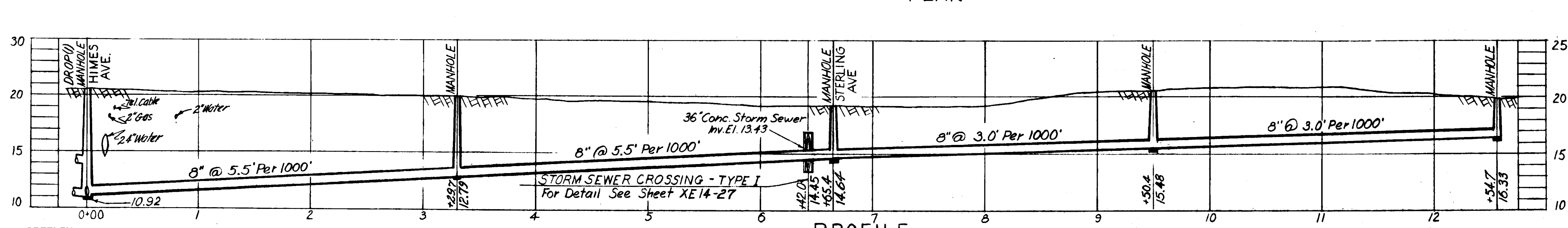
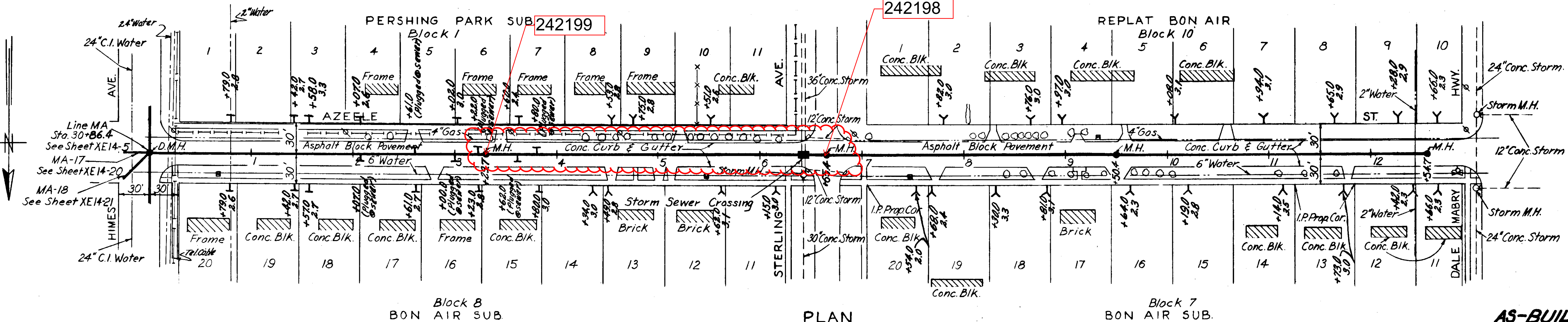
AS-BUILT PLAN
Revised to show actual conditions according to construction record as of 6.M.D. (5-22-56)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS	
DIVISION XE14	
MA-13 & MA-14	
DES. F.E. DR. M.R. CHKD. F.F.E. DATE: NOV. 1954	SCALE 50 0 50 100 1"=50'
SHEET XE14-18 OF 29	

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.



PROFILE
MA-15
242198



PROFILE
MA-16

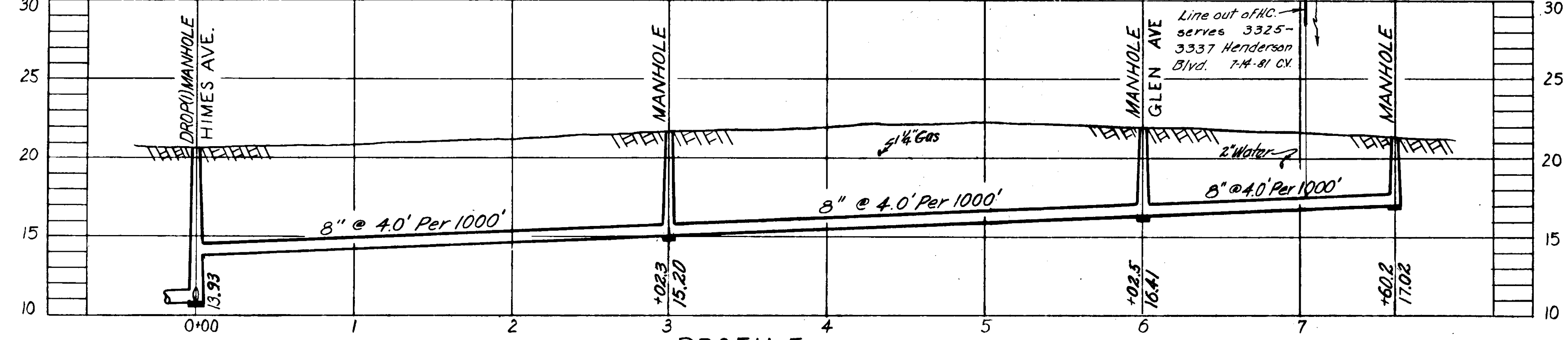
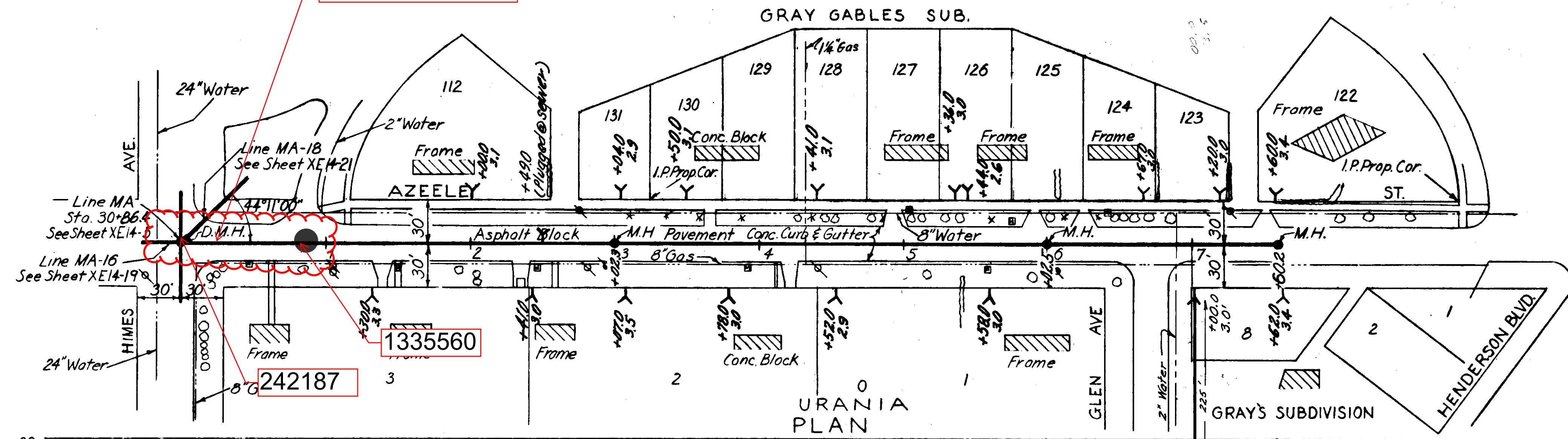
AS-BUILT PLAN

Revised to show actual conditions according to construction record as of G.M.D. (5-22-55)

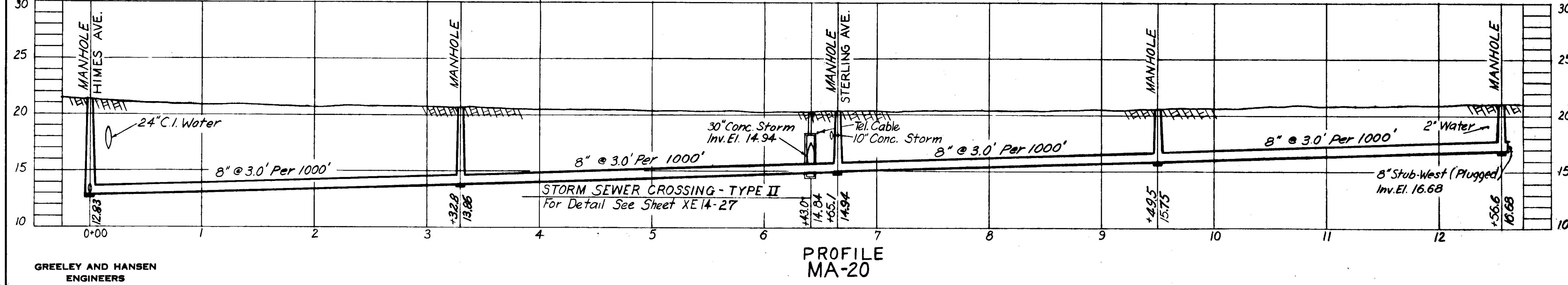
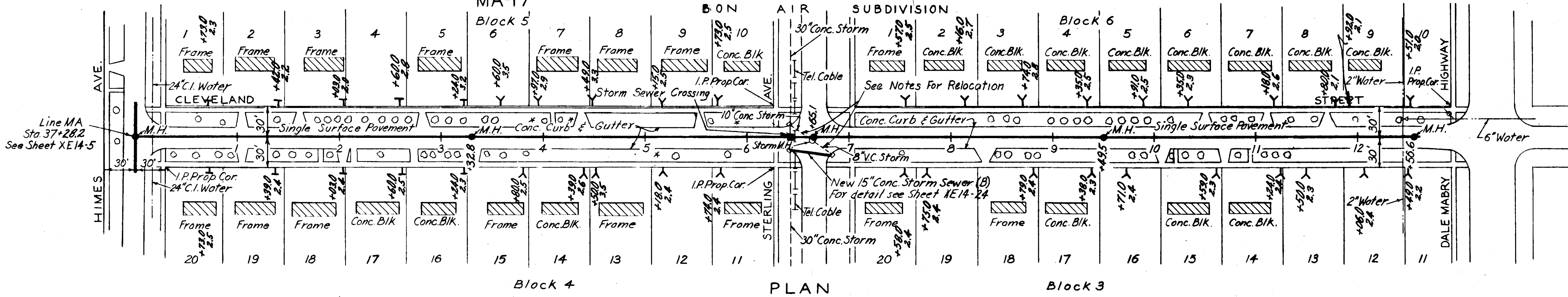
CITY OF TAMPA, FLORIDA	
SEWER IMPROVEMENTS	
DIVISION XE14	
MA-15 & MA-16	
DES. F.E. DR. M.R. CKD. F.F.E. DATE: NOV. 1954	SCALE 50 0 50 100 1"=50'
SHEET XE14-19 OF 29	

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

see a/b 2015-055



NOTES:
 1. Abandon 8" & 10" existing storm lines & remove existing manhole. Replace with 15" concrete pipe as shown.



AS-BUILT PLAN
 Revised to show actual conditions according to construction record as of G.M.D. (5-22-55)

CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION XE14

MA-17 & MA-20

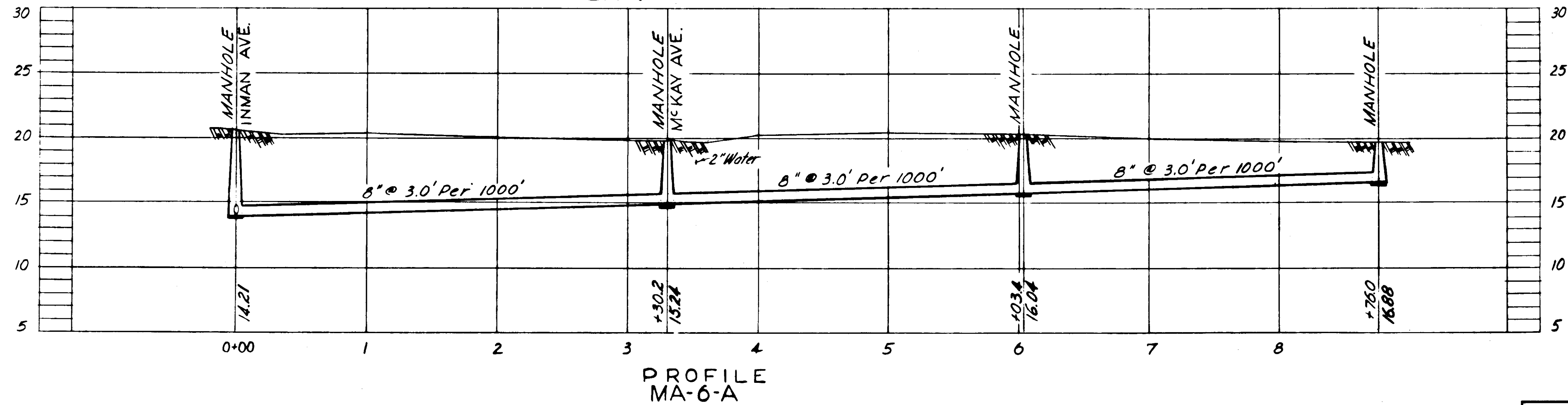
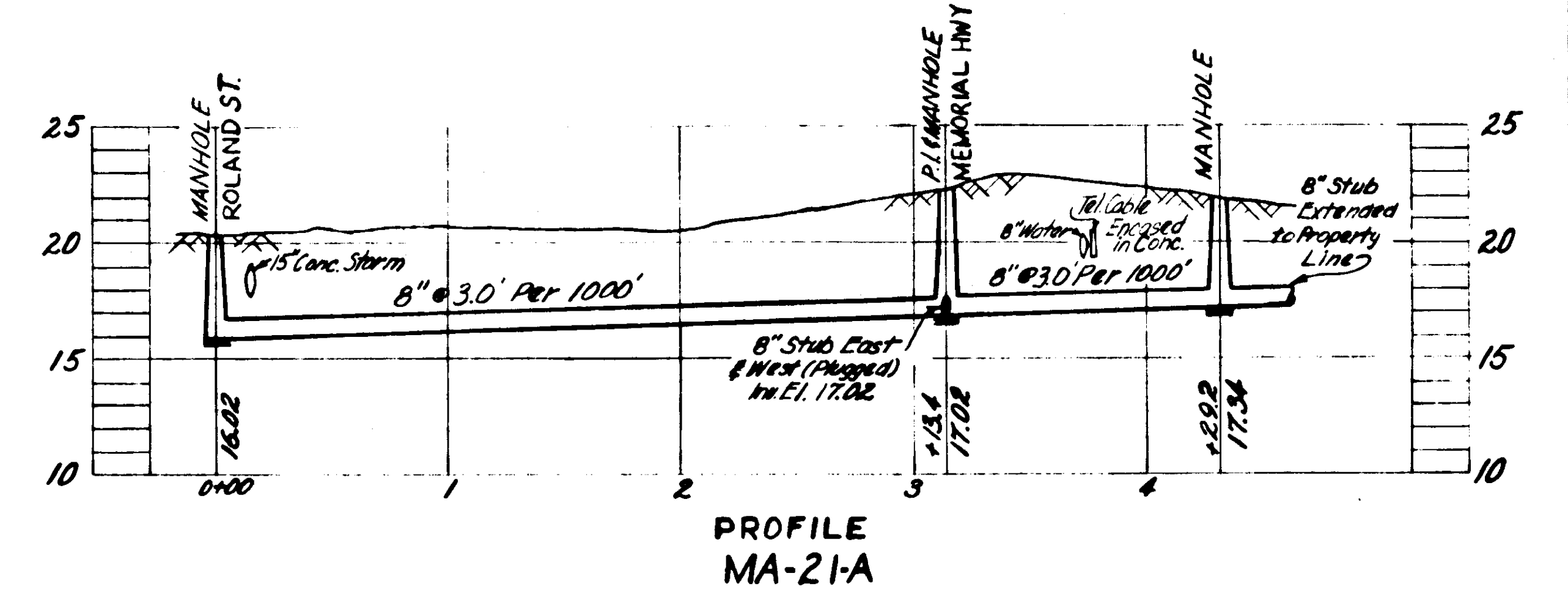
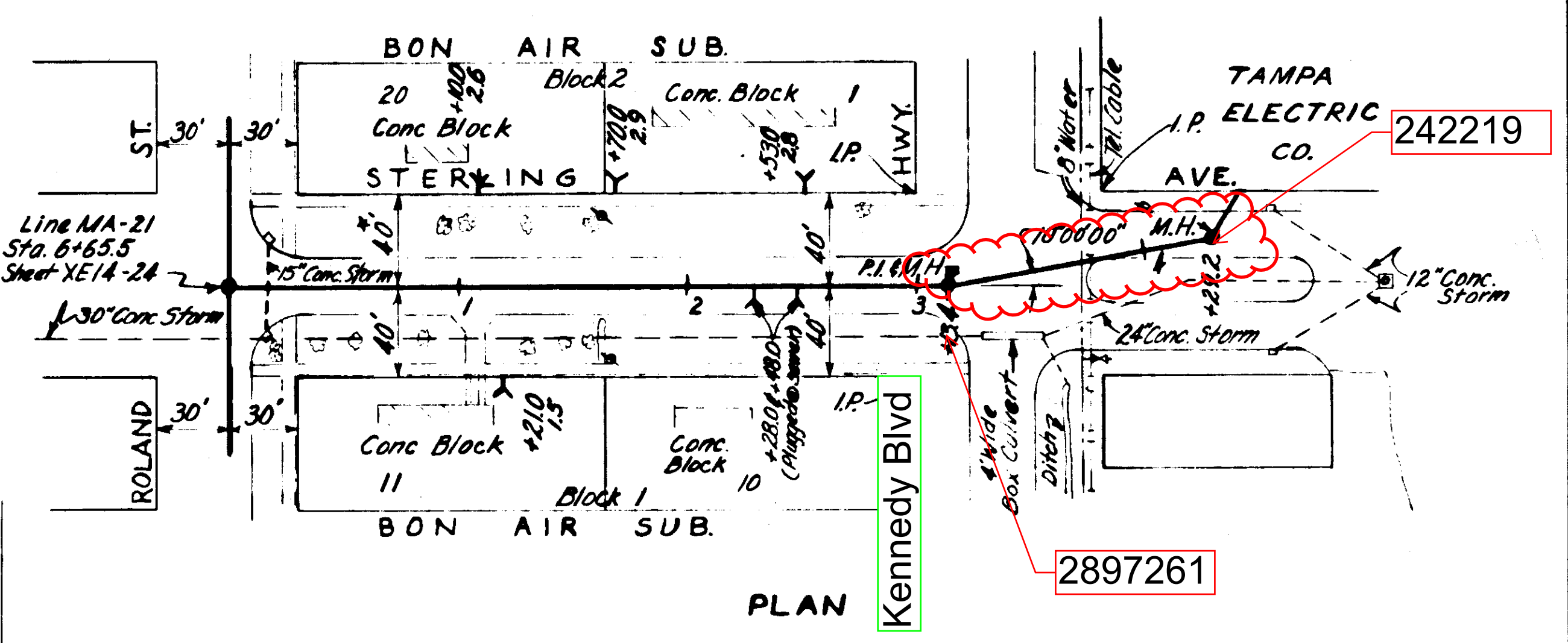
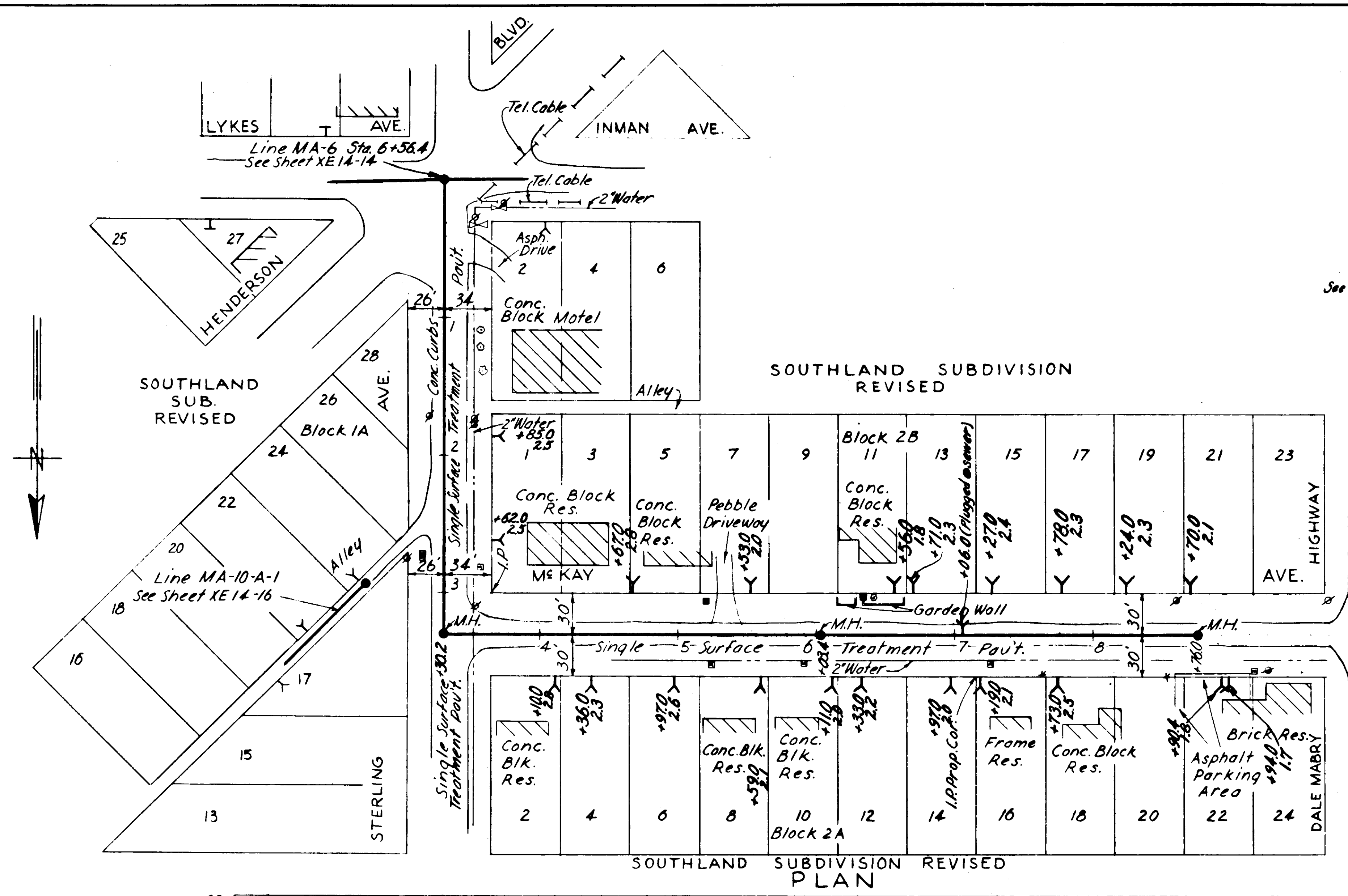
DES. F.E.
 DR. M.R.
 CKD. F.F.E.
 DATE:
 NOV. 1954

SCALE
 50 0 50 100
 1" = 50'

SHEET
 XE14-20
 OF 29

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

63-20

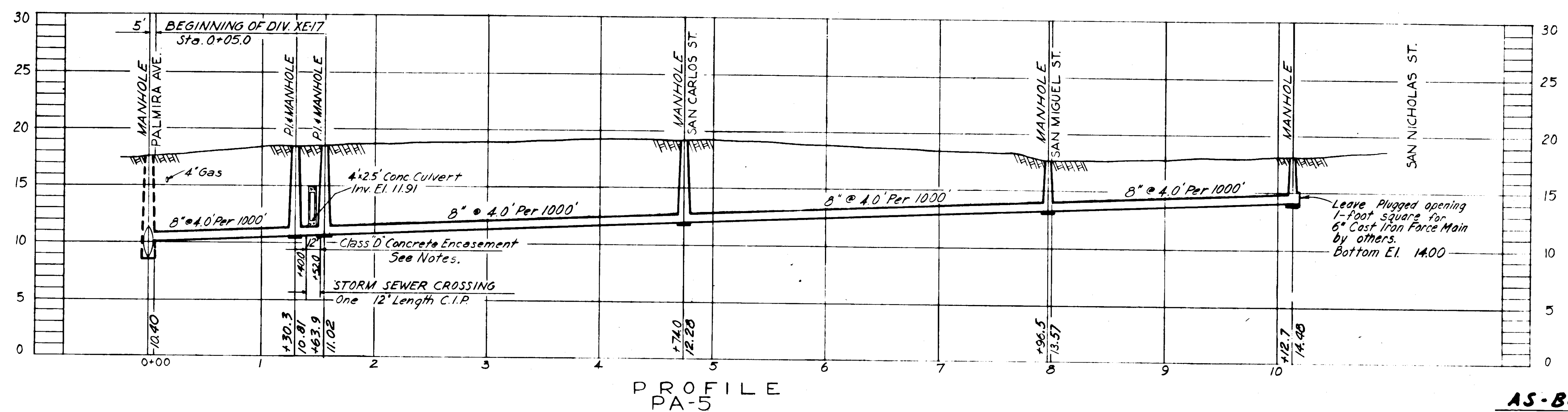
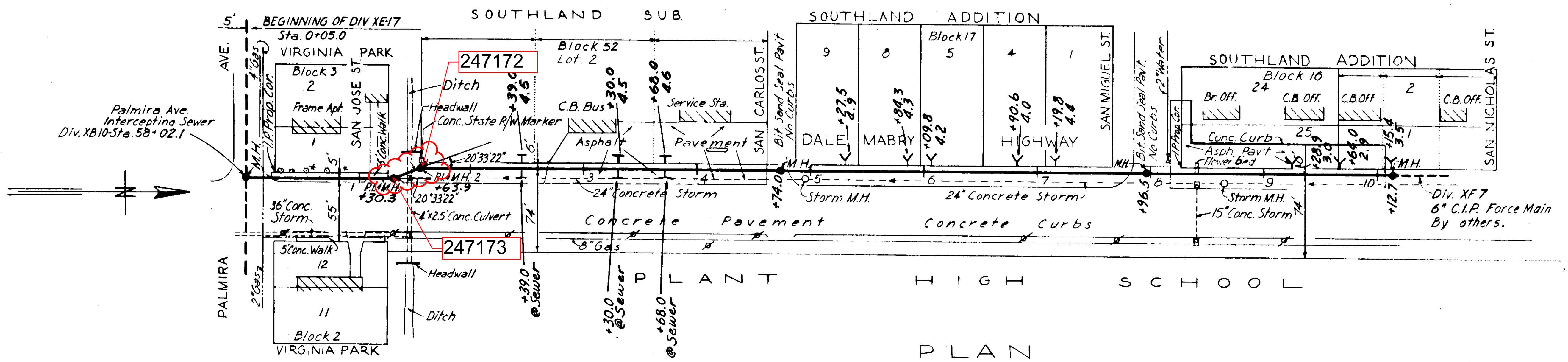


GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

AS-BUILT PLAN
Revised to show actual conditions according
to construction record as of
G.M.D. (5-22-56)

CITY OF TAMPA, FLORIDA		
SEWER IMPROVEMENTS		
DIVISION XE 14		
MA-6A & MA-21A		
DES. F.F.E. DR. M.R. CKD. F.F.E. DATE: APRIL 1956	SCALE 50 0 50 100 1" = 50'	SHEET XE14-26 OF 29

63-26 5



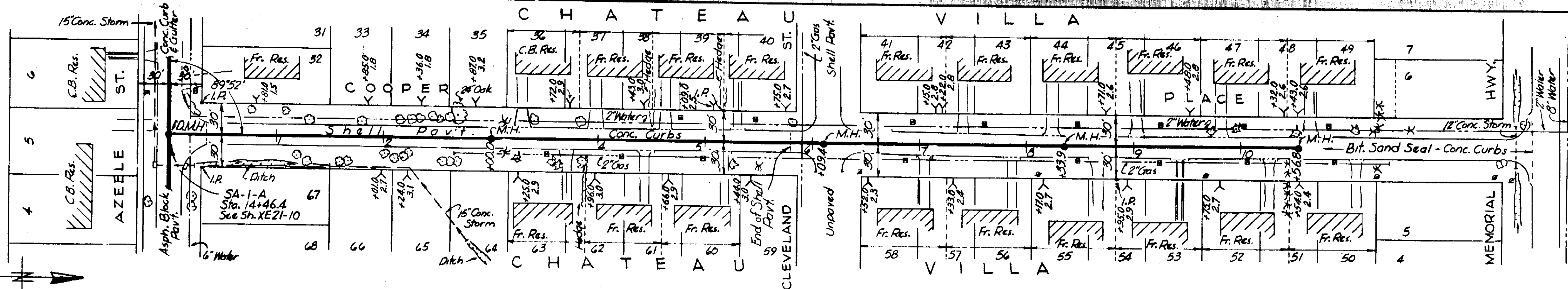
- NOTES:
- Property Lines as indicated by Hillsborough County Tax Records.
 - Chip out existing 4' x 25' Conc. culvert as required and fill with class "D" Concrete.

AS-BUILT PLAN
 Revised to show actual conditions according to construction records as of 6-19-56
 (R.V.J. 9-5-56)

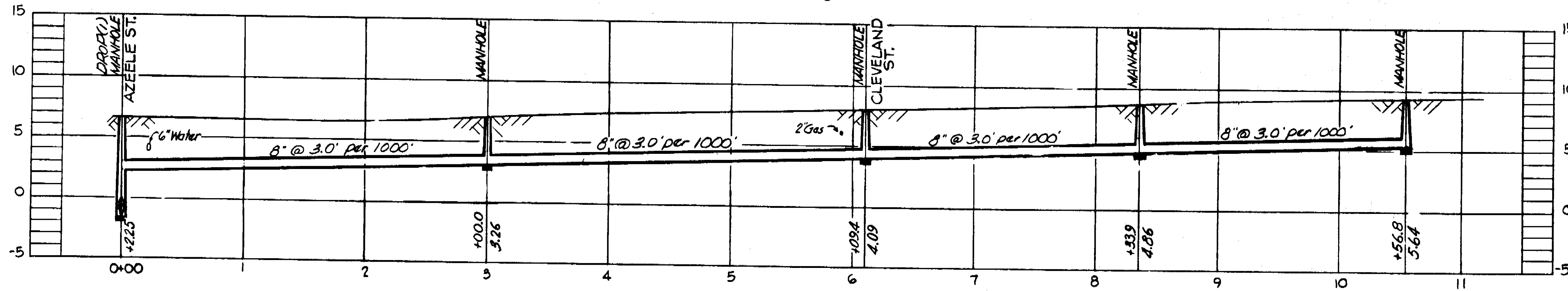
CITY OF TAMPA, FLORIDA	
SEWER IMPROVEMENTS	
DIVISION XE17	
PA-5	
DES. R.B.D.-F.F.E. DR. M.R. CKD. F.F.E. DATE: JULY 1955	SCALE 50 0 50 100 1" = 50'
SHEET XE17-43 OF 48	

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

Block 32
BEACH PARK
UNIT NO. 3

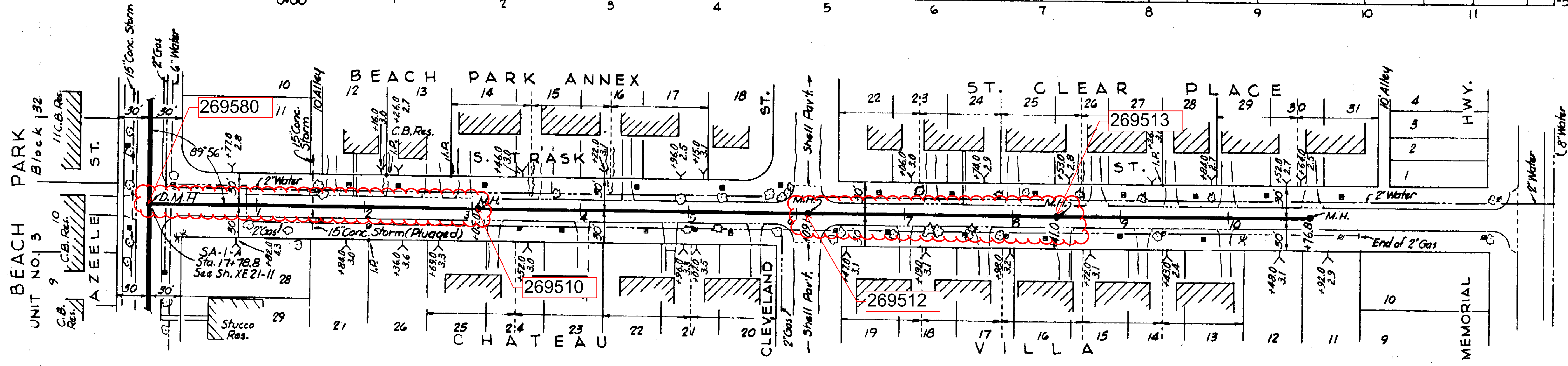


PLAN



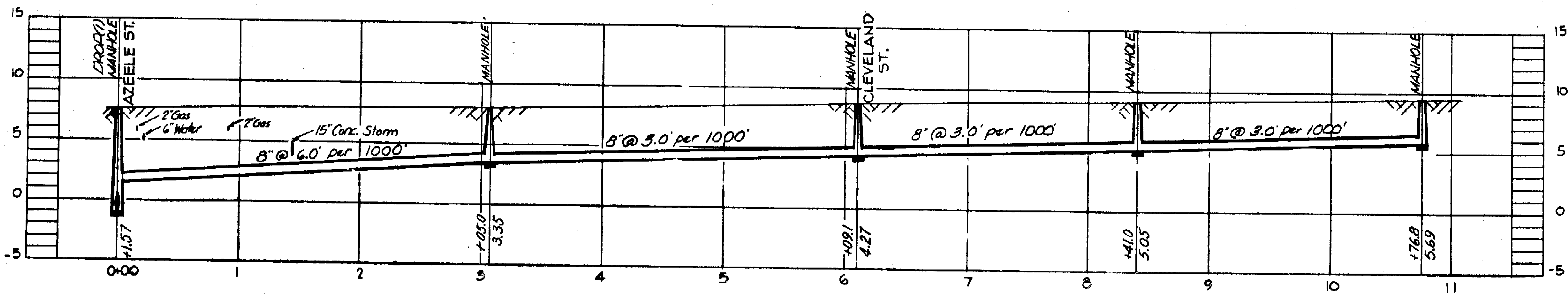
PROFILE
SA-1-A-2

NOTE: (Pav. Replacement)
Sta. 0+00 to 0+10 with 1 1/2" Cold Mix Pavt.
Sta. 0+10 to 6+00 with Shell Base.
Sta. 6+00 to 10+56.8 with Shell Pavt.



PLAN

NOTE:
Sta 0+00 to 10+76.8 replaced with
1/2" Cold Mix Pavt.



PROFILE
SA-1-A-3

AS BUILT PLAN
Revised to show actual conditions
according to construction records
as of December 1956.
(U.S.H. 1-21-57)

- NOTE:
1. All Residences Frame, except as noted in SA-1-A-3
 2. All paving Asph. Block with Conc. Curbs in SA-1-A-3
 3. Property Lines as indicated by Hillsborough County Tax Records.

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE 21
SA-1-A-2 & SA-1-A-3

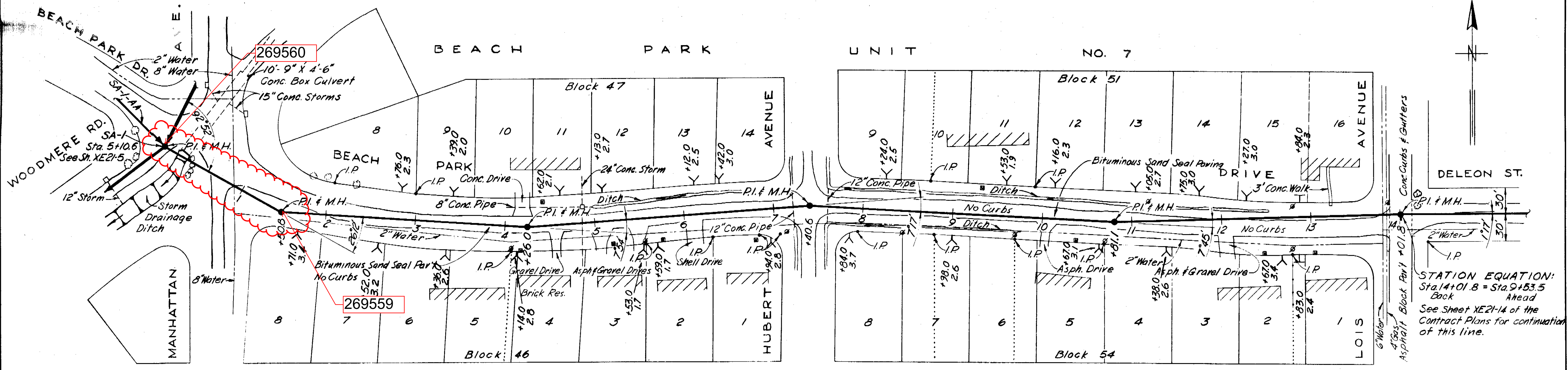
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

DES. C.M.T.
DR. C.M.T.
CKD. F.F.E.
DATE: MARCH 1955

SCALE
50 0 50 100
1" = 50'

SHEET
XE21-13
OF 50

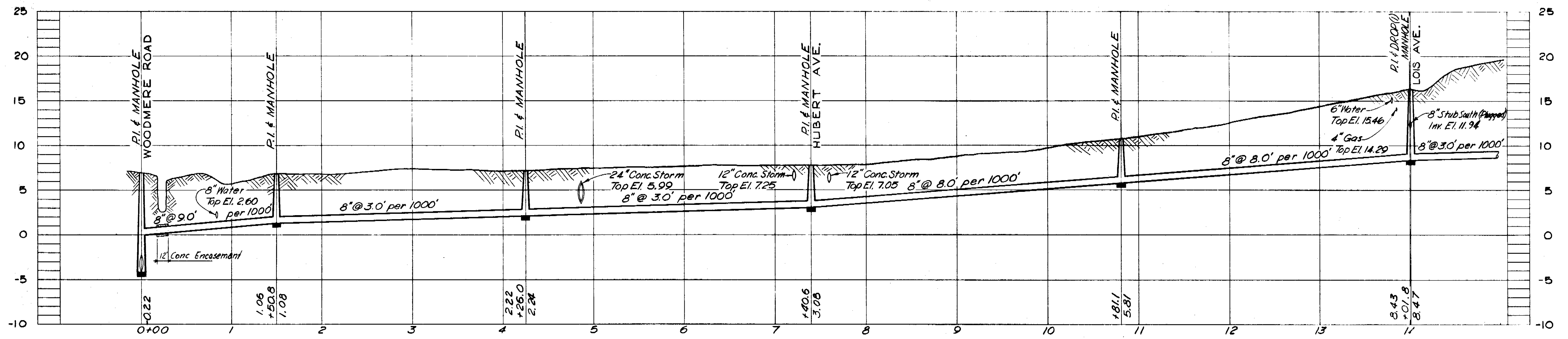
70-13



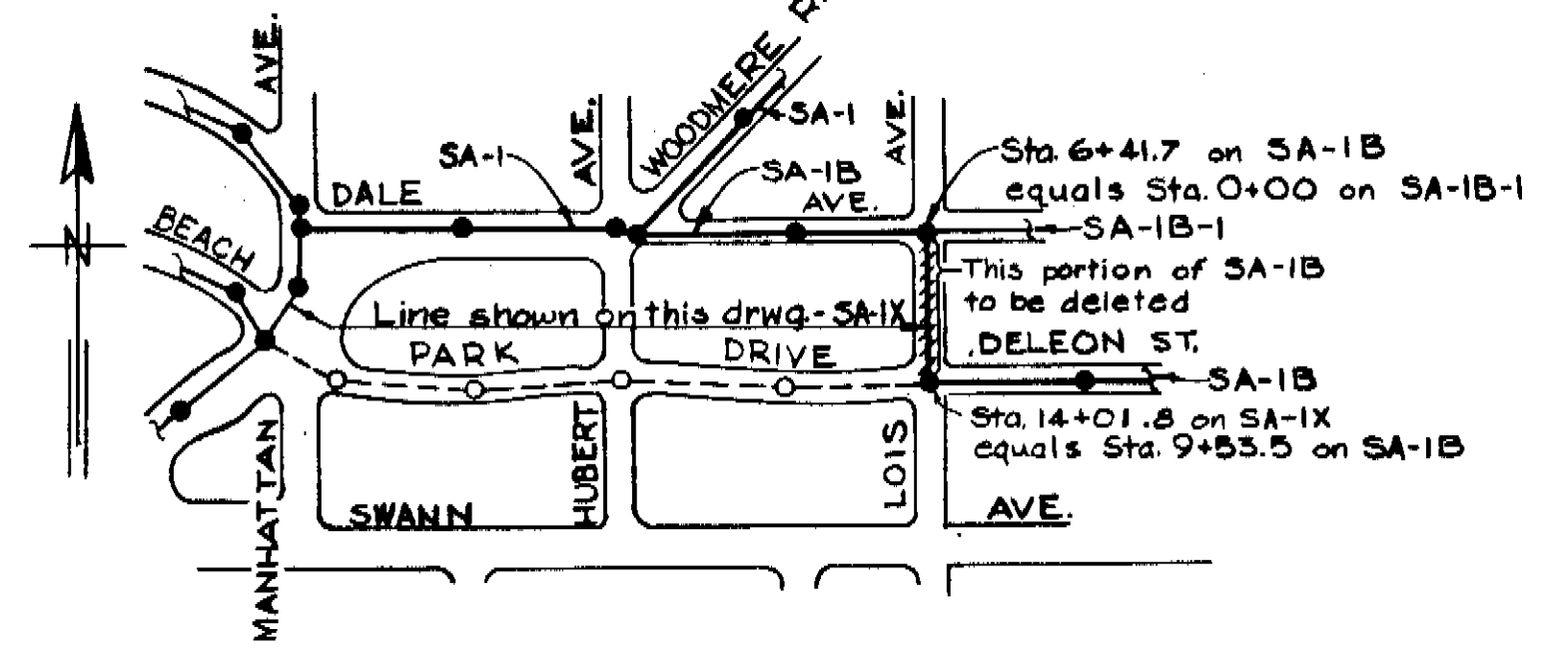
PLAN

NOTE: (Pavement replacement)
 Sta. 0+58 to 0+90 with 1 1/2" Cold Mix Pavt.
 Sta. 2+00 to 12+20 with Shell Pavt.
 Sta. 13+88 to 14+01.8 with 1 1/2" Cold Mix Pavt.

STATION EQUATION:
 Sta. 14+01.8 = Sta. 9+53.5
 Back Ahead
 See Sheet XE21-14 of the
 Contract Plans for continuation
 of this line.



PROFILE SA-IX



LOCATION PLAN

- NOTES:
- Delete that portion of line SA-1B between Station 6+41.7 and Station 9+53.5 as shown on Sheet XE21-14 of the Contract Plans. House connections to this portion of SA-1B for 3 residences shown on plans are to be provided in the Dale Ave. & DeLeon St. lines.
 - Provide stub south in Manhole at Sta. 6+41.7, line SA-1B, at invert elevation 7.50.
 - Bituminous Sand Seal Paving shall be replaced with Single Surface Treated Paving.
 - All residences are of concrete block construction unless otherwise indicated.

CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION XE21

SA-IX
 This drawing in accordance with XE21-S02

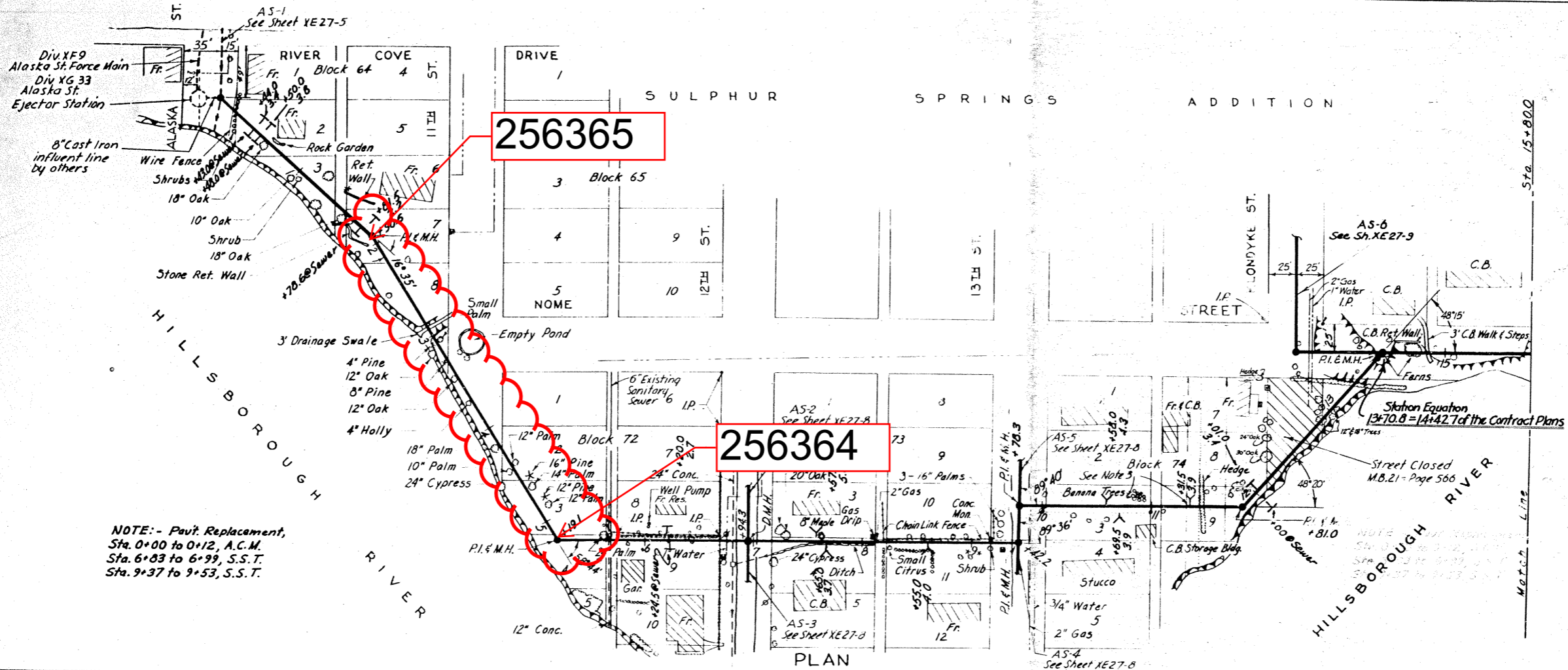
DES. G.M.T.
 DR. W.B.W.
 CKD. R.E.F.
 DATE: June 12, 1956

SCALE
 1" = 50'

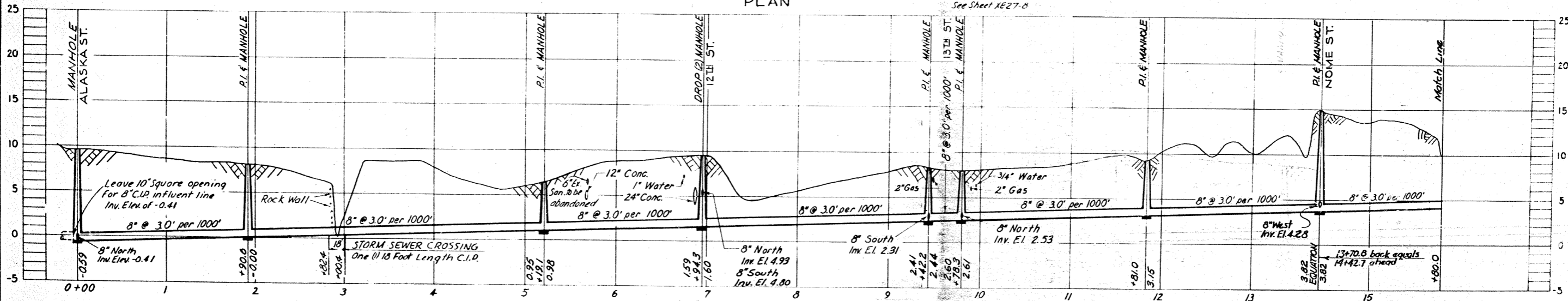
SHEET
 XE21-46
 OF 50

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

AS-BUILT PLAN
 Revised to show actual conditions according
 to construction records as of January 1957
 (R.V.J. 1-18-57)



NOTE:- Pav't Replacement,
Sta. 0+00 to 0+12, A.C.M.
Sta. 6+83 to 6+99, S.S.T.
Sta. 9+37 to 9+53, S.S.T.



PROFILE
AS

Notes:

1. Sewer is to be placed in 10' easement, centered on the easement in private property except between Sta. 6+97 and Sta. 9+12 where it will be 4.5' south of the north easement line and 5.5' north of the south easement line.
2. In private easements, Contractor shall protect, or remove and replace, all trees, shrubs, flowers and other plantings and shall restore all damaged or disturbed properties to a condition equal to or better than that prevailing prior to start of construction.
3. Plug unused house connection wyes at sewer. Insert 30° bend in connections for immediate use.
4. Property lines as indicated by Hillsborough County Tax Records.
5. This sheet supersedes sheet XE27-3 of the Contract Plans, and is in accordance with XE27-5D1

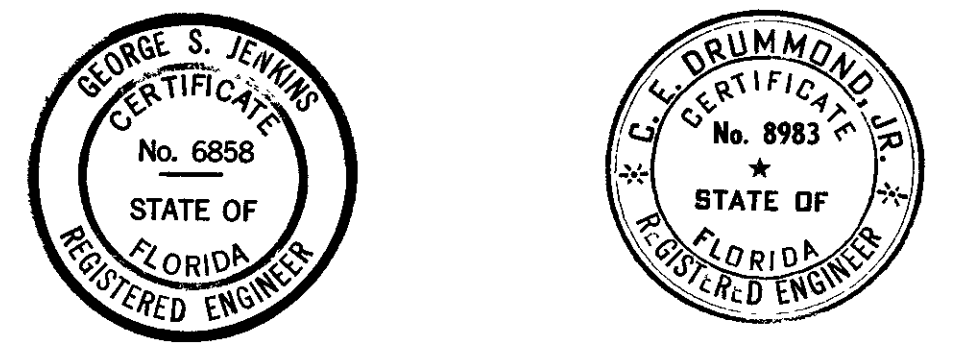
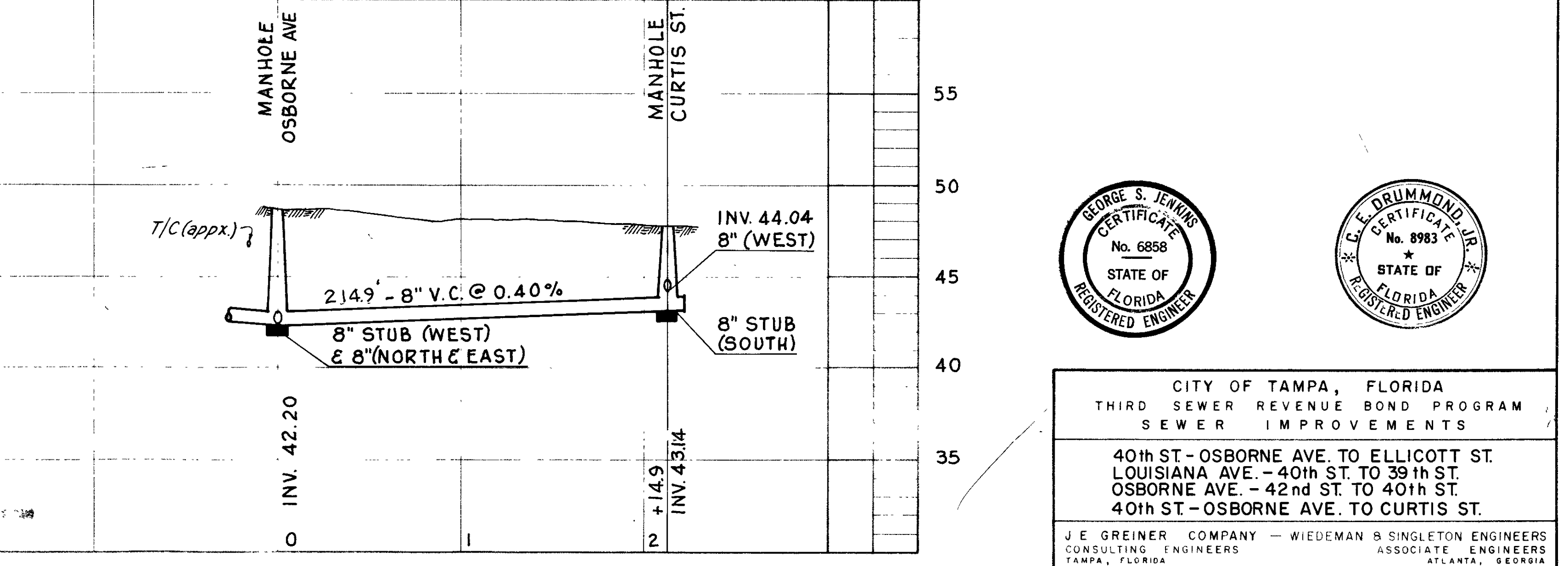
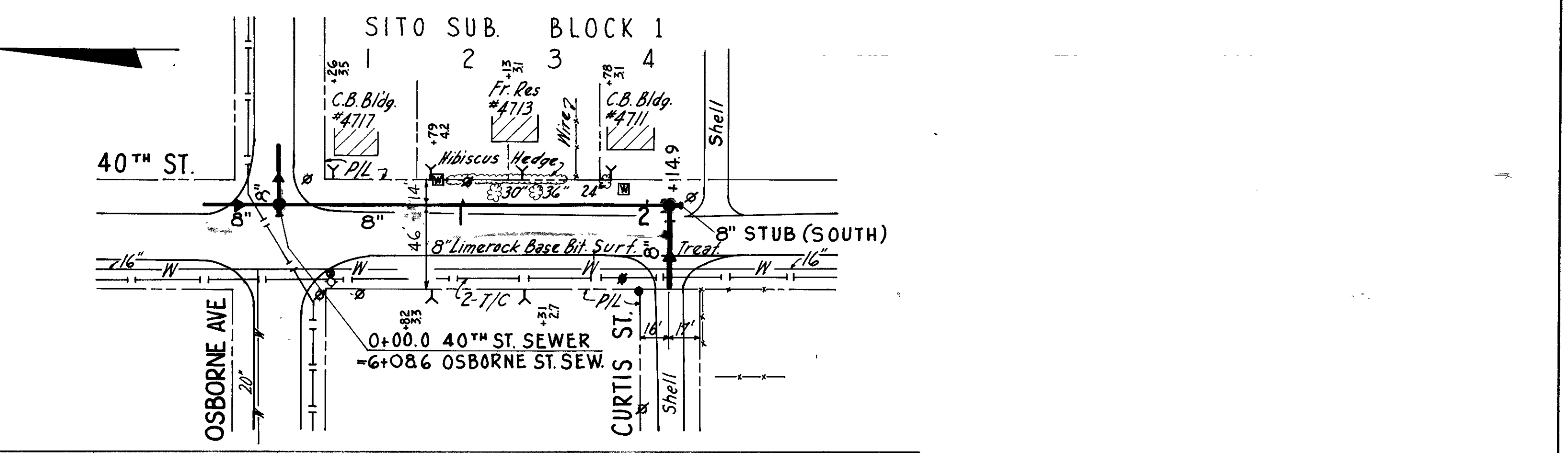
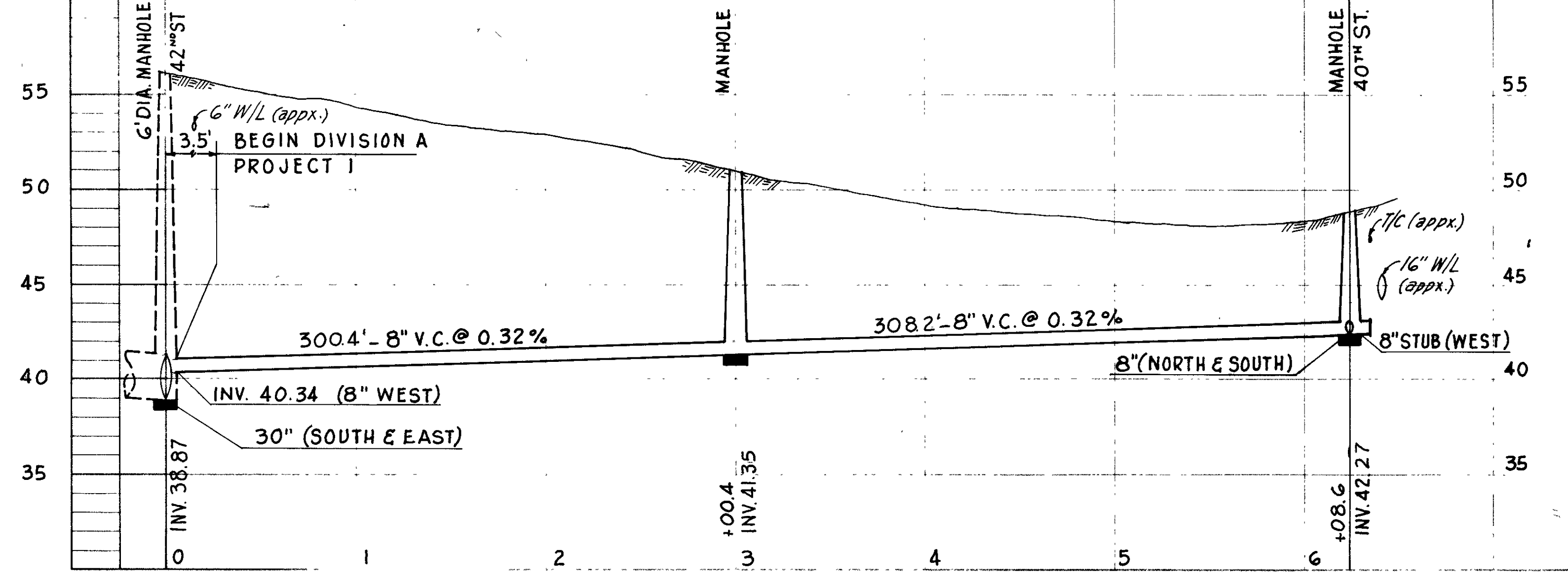
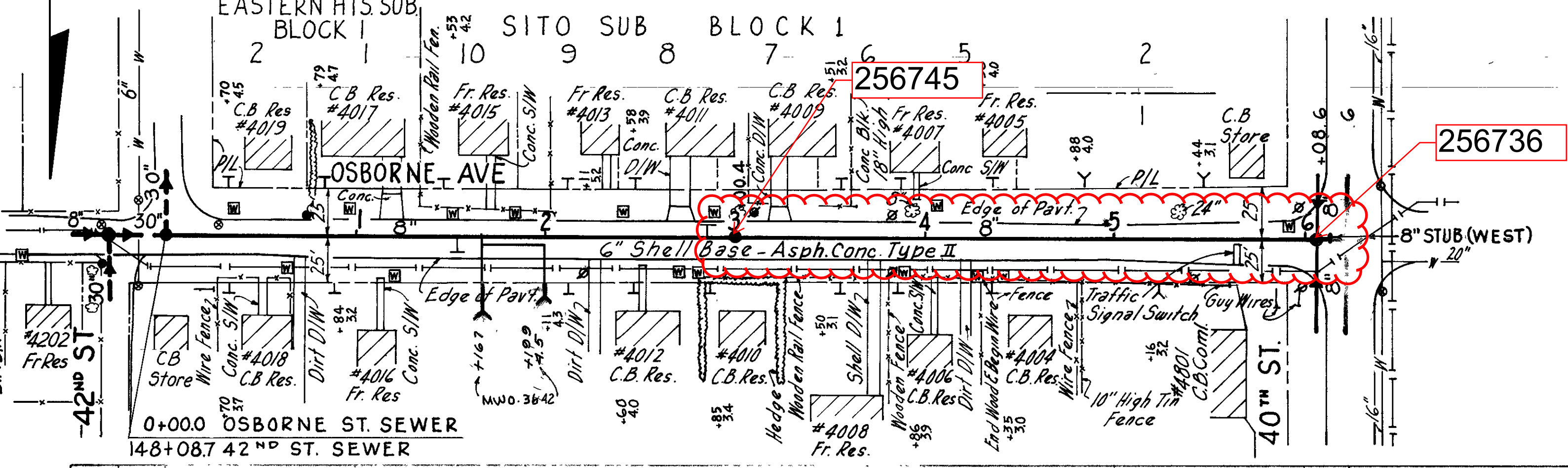
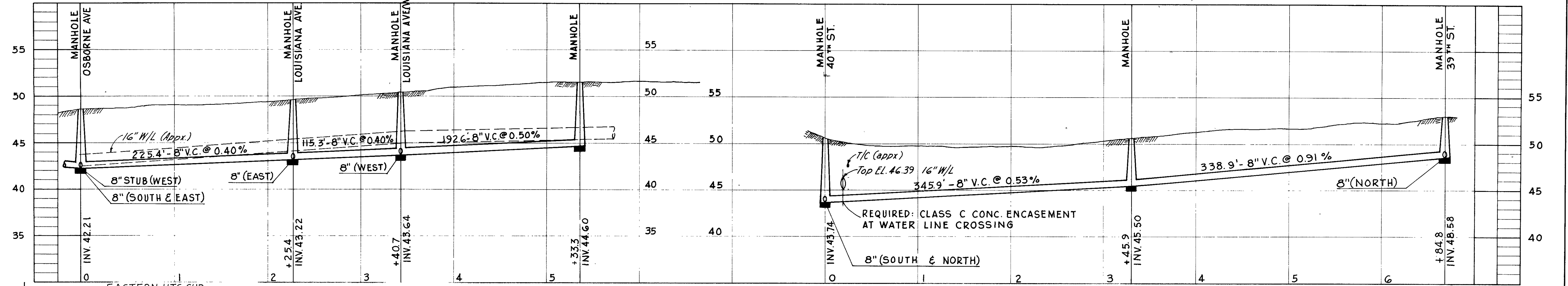
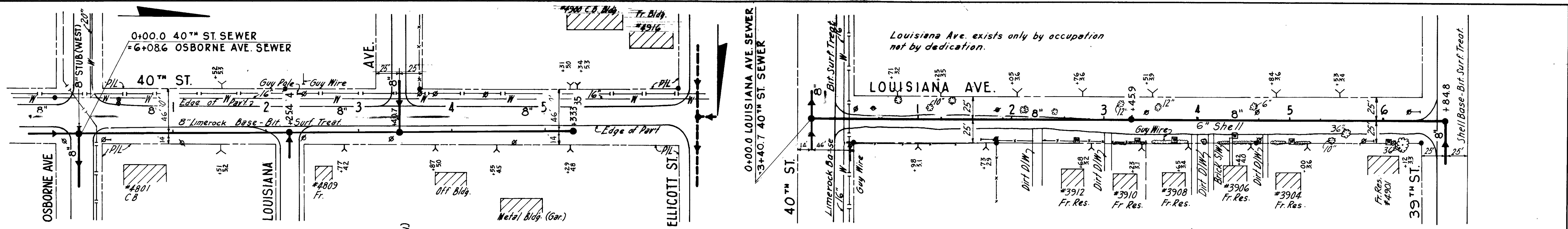
CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
SUPPLEMENTARY DRAWING - DIVISION XE27

AS
STA. 0+00 TO STA. 15+80

DES. C. M. T.
DR. G. A. O.
CKD. R. E. F.
DATE: OCTOBER 1956

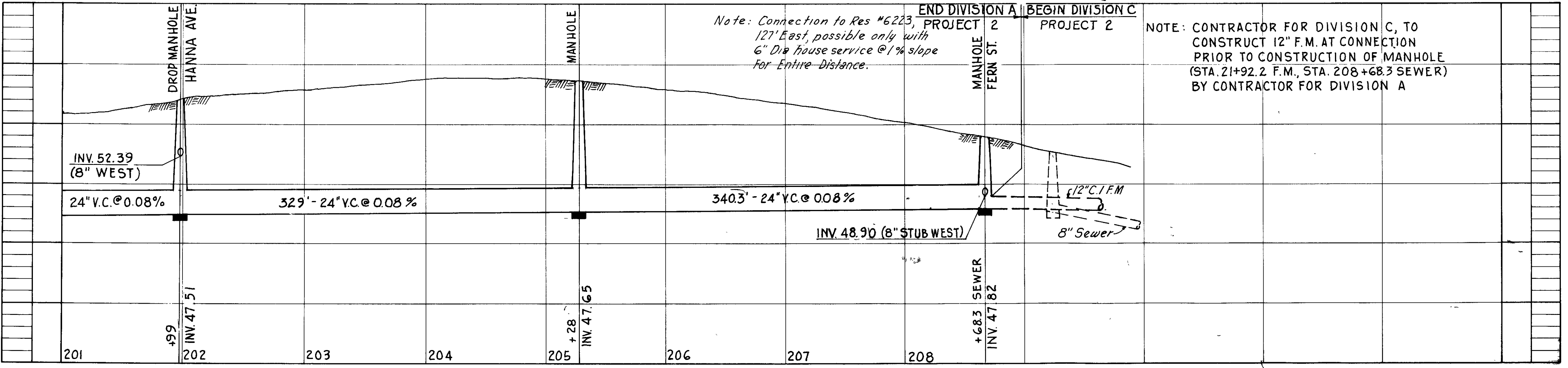
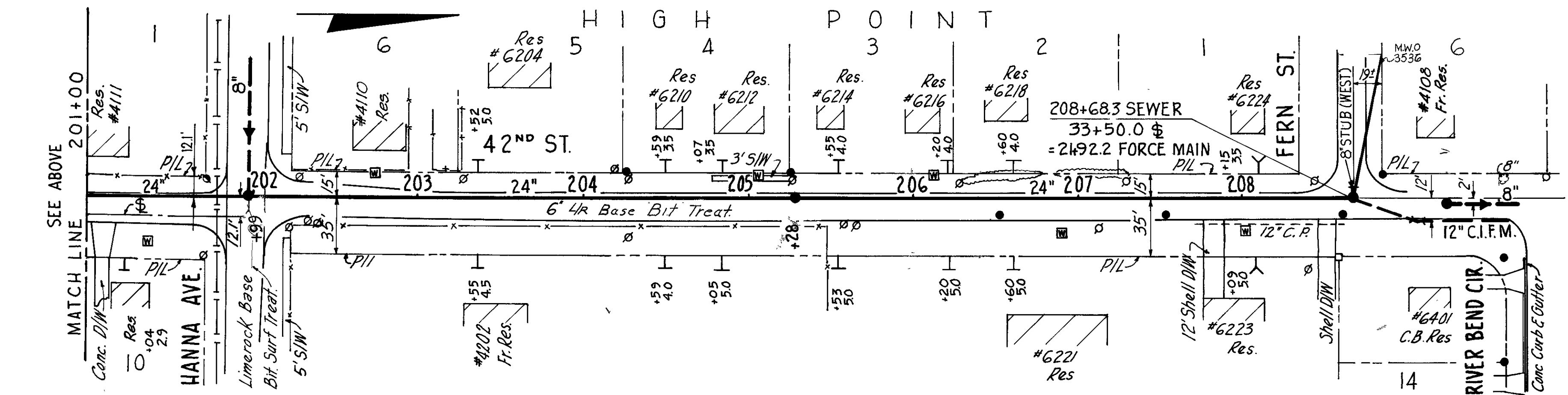
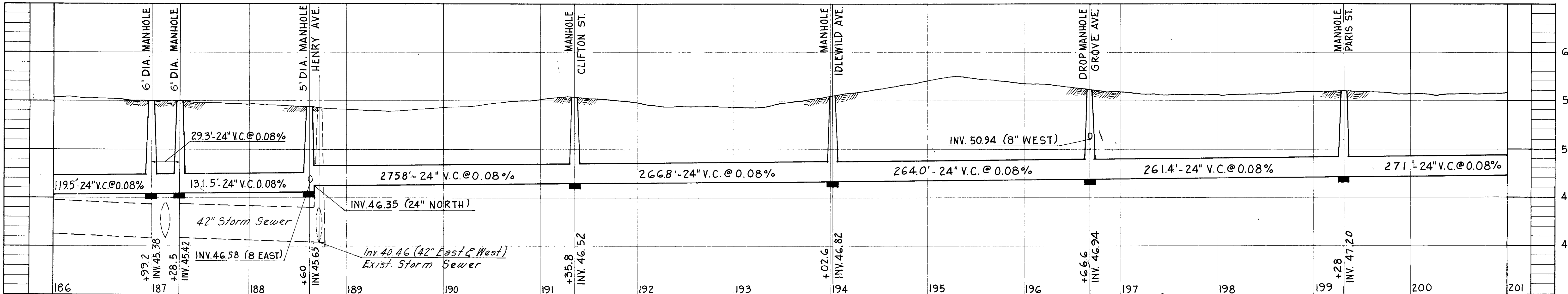
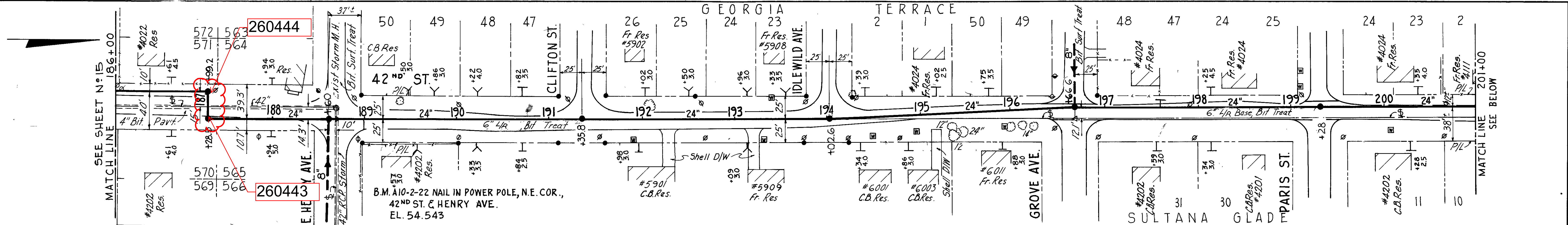
SCALE
0 50 100

SHEET
76-3



CITY OF TAMPA, FLORIDA
 THIRD SEWER REVENUE BOND PROGRAM
 SEWER IMPROVEMENTS
 40th ST - OSBORNE AVE. TO ELLICOTT ST.
 LOUISIANA AVE. - 40th ST. TO 39th ST.
 OSBORNE AVE. - 42nd ST. TO 40th ST.
 40th ST - OSBORNE AVE. TO CURTIS ST.

J.E. GREINER COMPANY - WIEDEMAN & SINGLETON ENGINEERS
 CONSULTING ENGINEERS ASSOCIATE ENGINEERS
 TAMPA, FLORIDA ATLANTA, GEORGIA
 PROJECT I
 DIVISION A
 SUBDISTRICT A-10
 SHEET 17

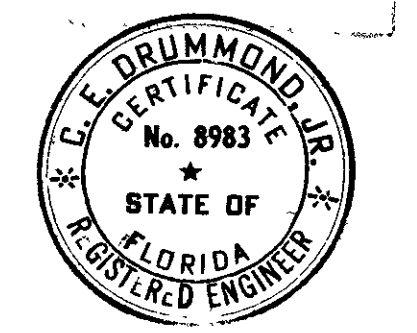
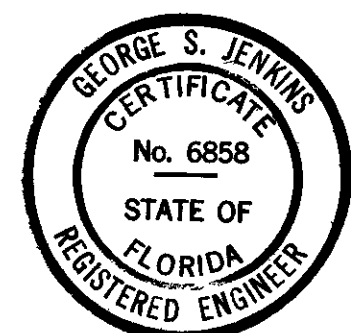


END DIVISION A PROJECT 2
 BEGIN DIVISION C PROJECT 2

Note: Connection to Res #6223, 121' East, possible only with 6" Dia house service @ 1% slope for entire distance.

NOTE: CONTRACTOR FOR DIVISION C, TO CONSTRUCT 12" F.M. AT CONNECTION PRIOR TO CONSTRUCTION OF MANHOLE (STA. 21+92.2 F.M., STA. 208+68.3 SEWER) BY CONTRACTOR FOR DIVISION A

SEWER LINE LOCATION
 SEC. MAP No. LINE No.
E-15-B



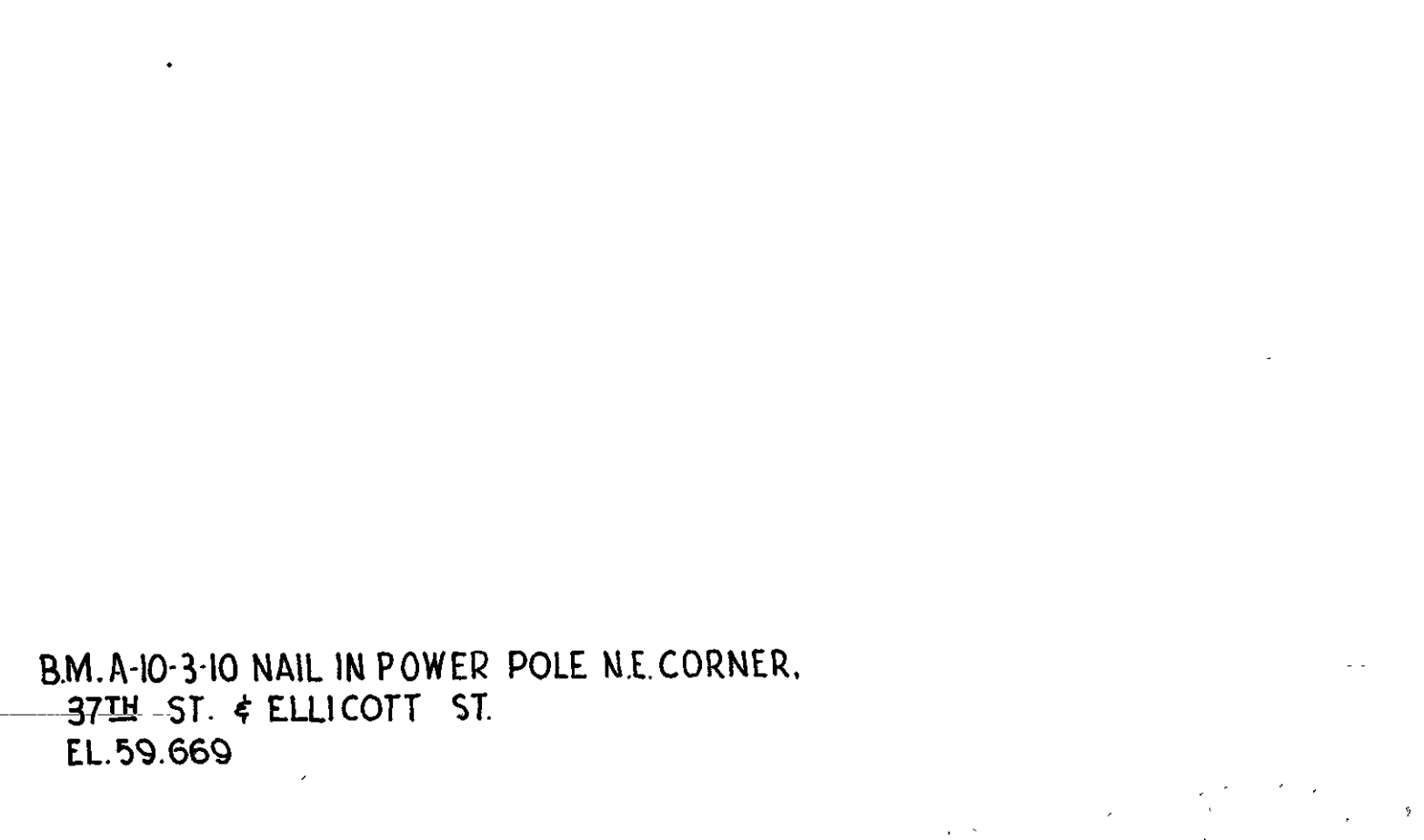
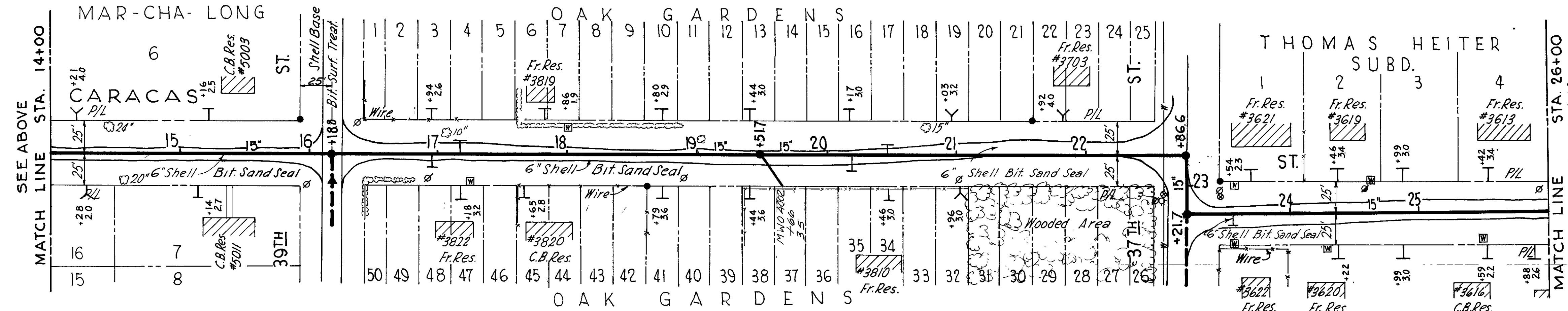
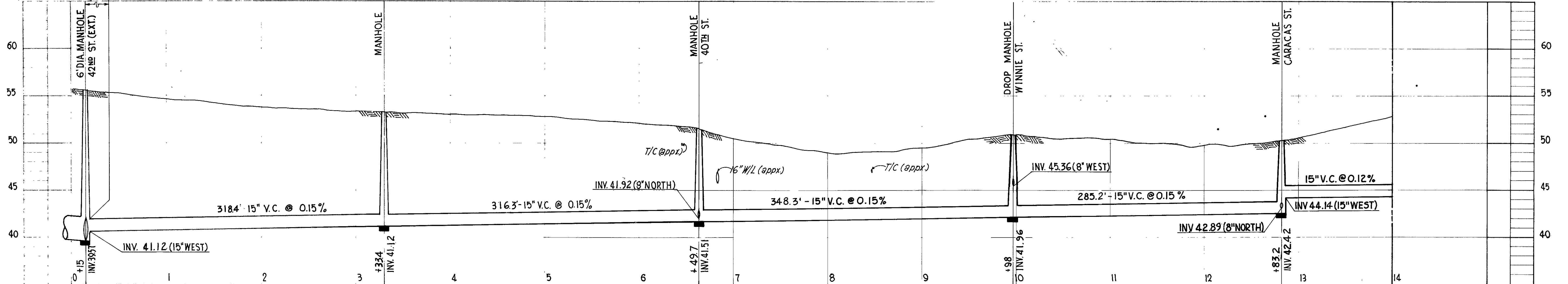
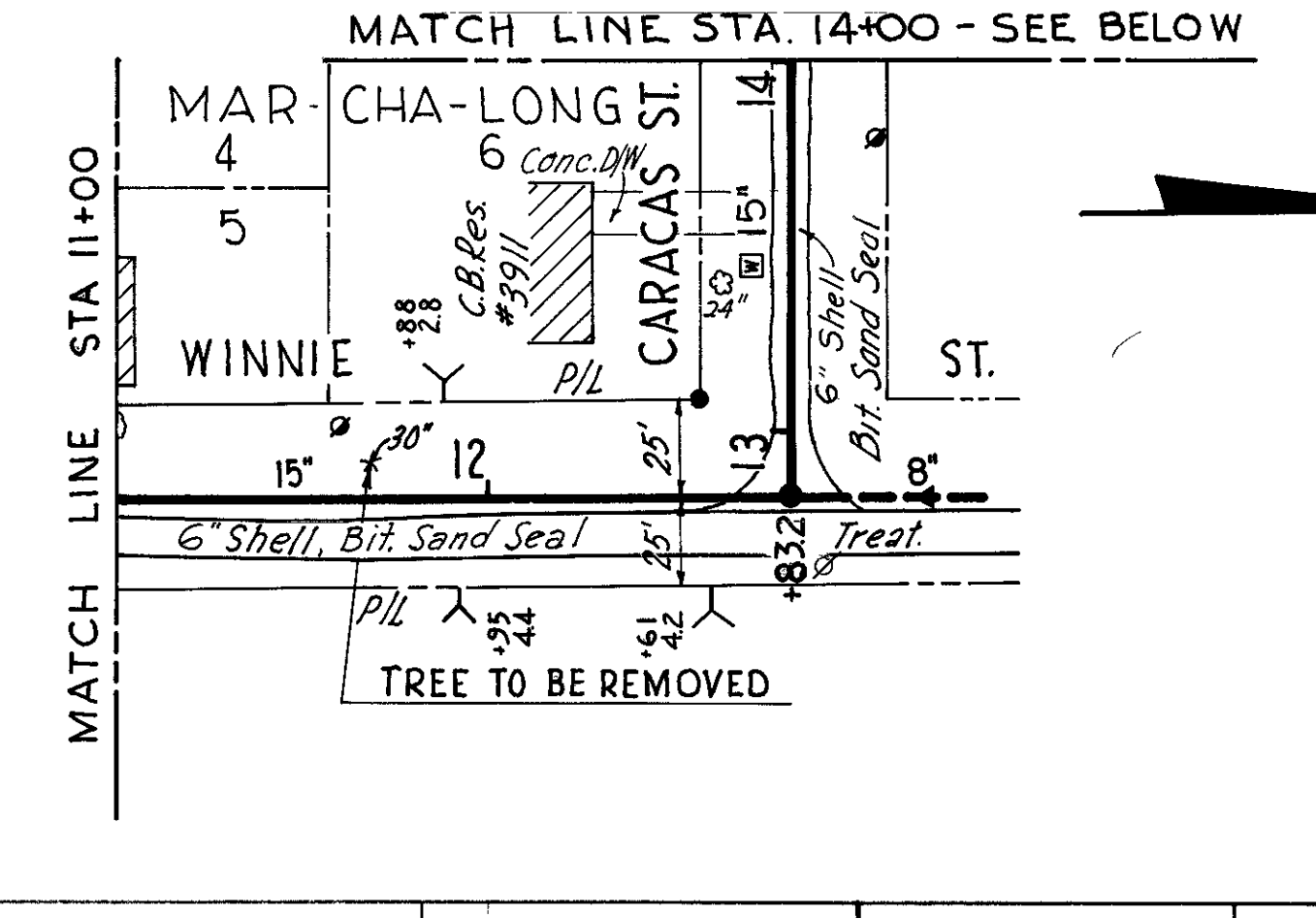
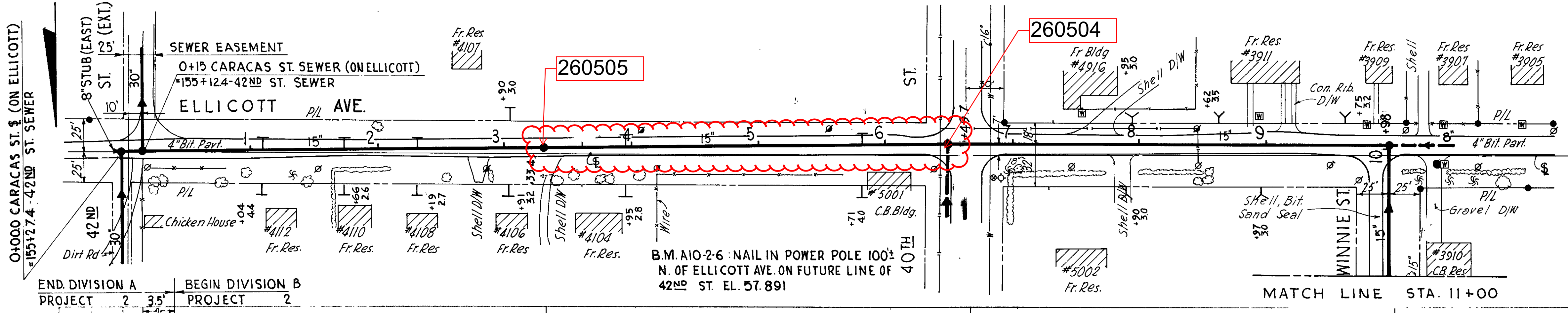
CITY OF TAMPA, FLORIDA
 THIRD SEWER REVENUE BOND PROGRAM
 SEWAGE DISPOSAL SYSTEM

42nd ST. TRUNK SEWER
 42nd ST. - STA. 186+00 TO E. FERN ST.

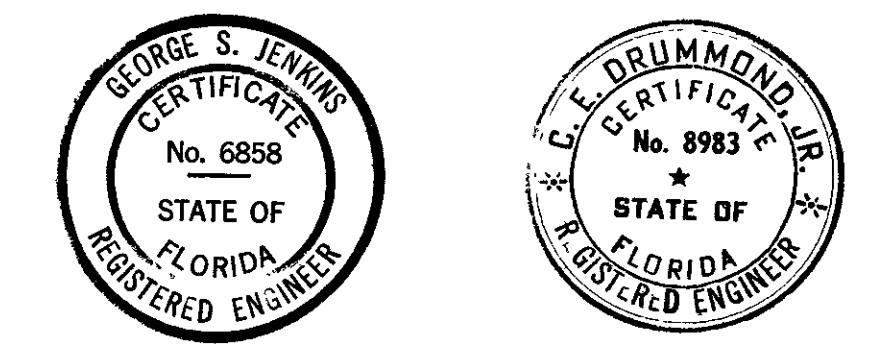
J. E. GREINER COMPANY - WIEDEMAN & SINGLETON ENGINEERS
 CONSULTING ENGINEERS ASSOCIATE ENGINEERS
 TAMPA, FLORIDA ATLANTA, GEORGIA

PROJECT 2
 DIVISION A
 SUBDISTRICT A-10

SHEET
16



SEWER LINE LOCATION
SEC. MAP NO. LINE NO.
F-15-17

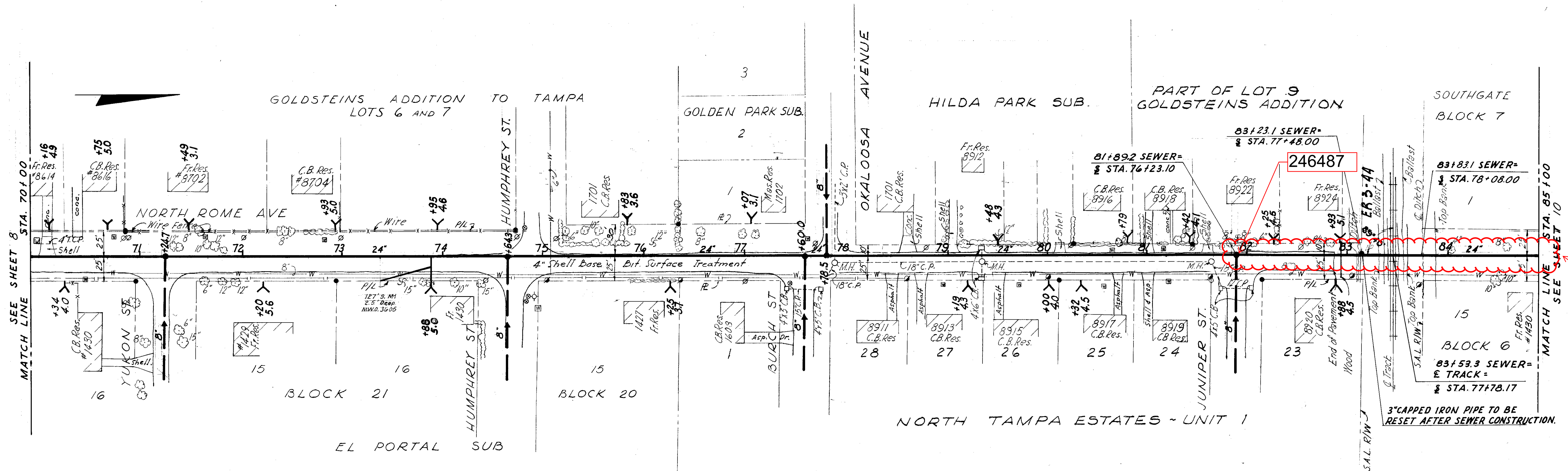


CITY OF TAMPA, FLORIDA
THIRD SEWER REVENUE BOND PROGRAM
SEWAGE DISPOSAL SYSTEM

CARACAS ST. TRUNK SEWER
ELLCOTT AVE. - 42nd ST. TRUNK TO WINNIE AVE.
WINNIE AVE. - ELLCOTT AVE. TO CARACAS ST.
CARACAS ST. - WINNIE AVE. TO STA. 26+00

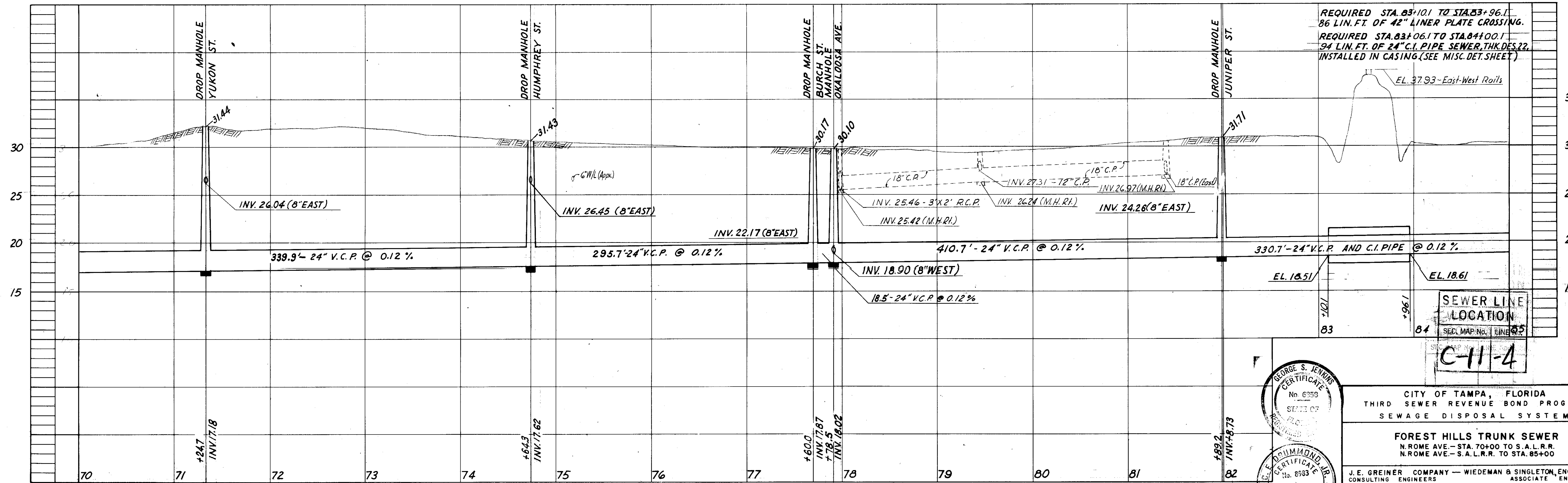
J.E. GREINER COMPANY - WIEDEMAN & SINGLETON ENGINEERS
CONSULTING ENGINEERS ASSOCIATE ENGINEERS
TAMPA, FLORIDA ATLANTA, GEORGIA

DES. J.D.H. DRN. D.W. CKD. R.P.L. SCALE 1\"/>



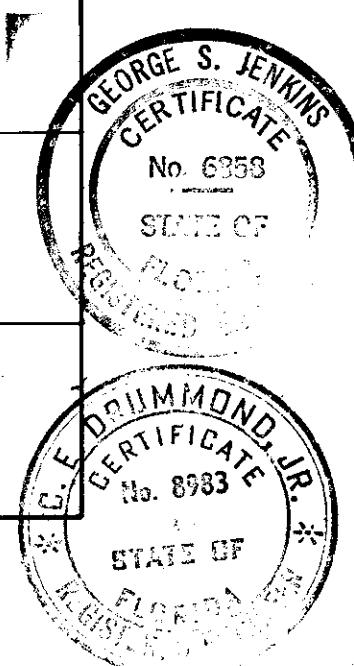
see a/b
091-010

B.M. A7-5-1
 □ Cut on N.W. Corner of Storm Inlet, E. Side of N. Rome Ave., 150' ± N. of Burch St. Elev. 30.042



REQUIRED STA. 83+10.1 TO STA. 83+96.1
 86 LIN. FT. OF 42" LINER PLATE CROSSING.
 REQUIRED STA. 83+06.1 TO STA. 84+00.1
 94 LIN. FT. OF 24" C.I. PIPE SEWER, THK. DES. 22,
 INSTALLED IN CASING (SEE MISC. DET. SHEET)

SEWER LINE LOCATION
 SEC. MAP No. 1
 C-11-4



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

FOREST HILLS TRUNK SEWER
 N. ROME AVE. - STA. 70+00 TO S.A.L.R.R.
 N. ROME AVE. - S.A.L.R.R. TO STA. 85+00

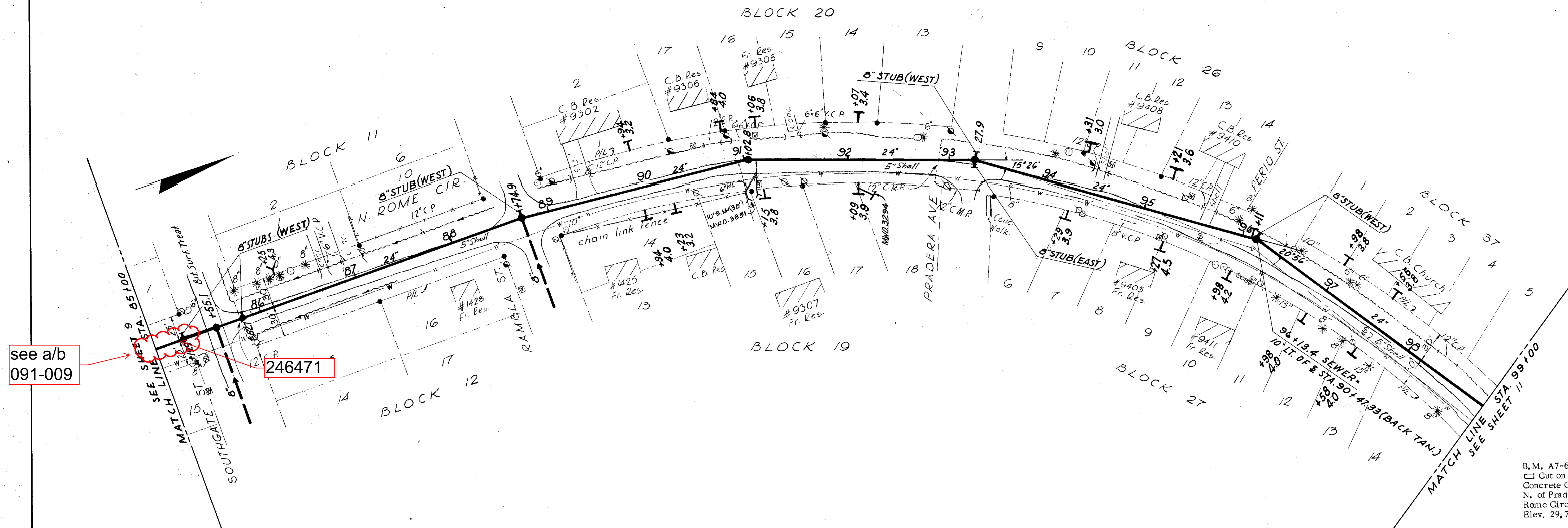
J.E. GREINER COMPANY - WIEDEMAN & SINGLETON ENGINEERS
 CONSULTING ENGINEERS ASSOCIATE ENGINEERS
 TAMPA, FLORIDA ATLANTA, GEORGIA

DES. L.A.H.
 DRN. J.L.P.
 C.D. J.L.P.
 SCALE 1"=50'
 DATE NOV. 62

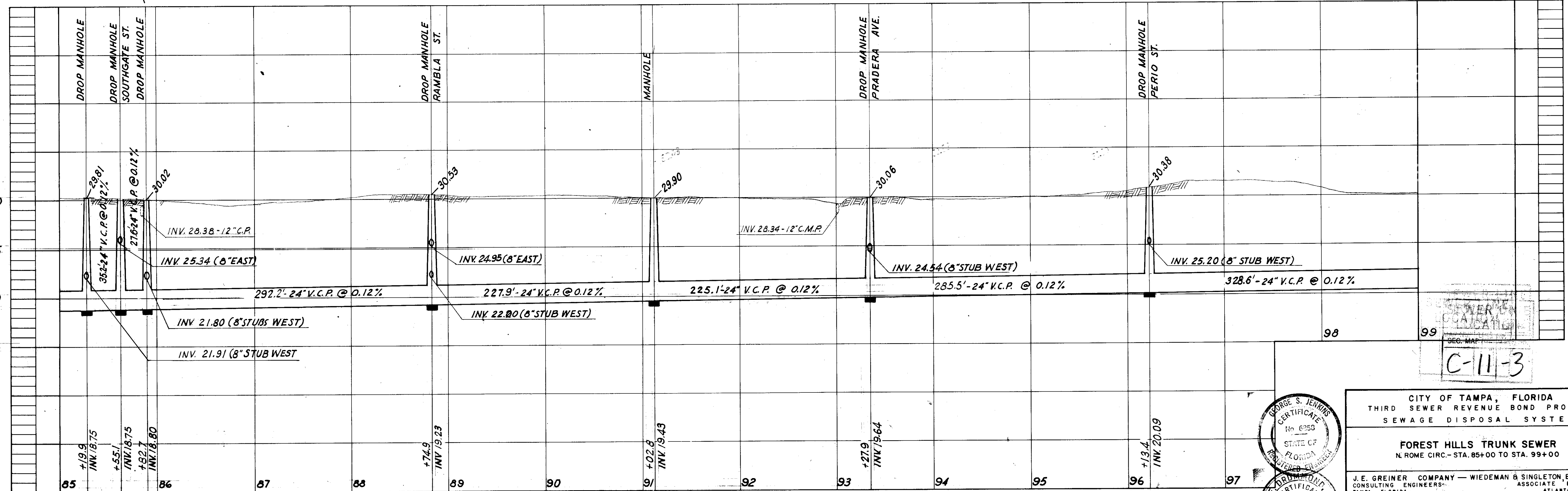
PROJECT 7
 SUBDISTRICT A-7a

SHEET 9
 OF 16

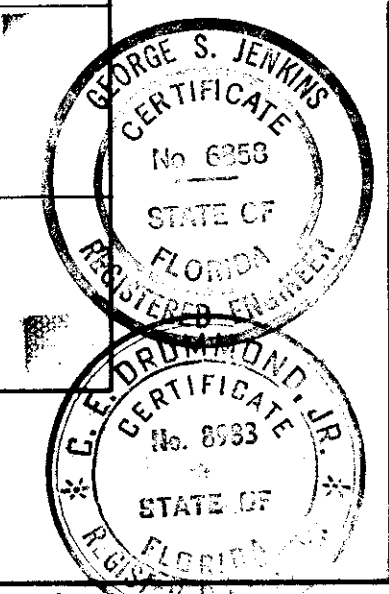
SOUTHGATE SUBDIVISION



B.M. A7-6-1
 □ Cut on Top of S. End of 12" Concrete Culvert Pipe, 100'+ N. of Pradera Ave. & W. Side of Rome Circle
 Elev. 29.722



SEWER
 COALITION
 C-11-3



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

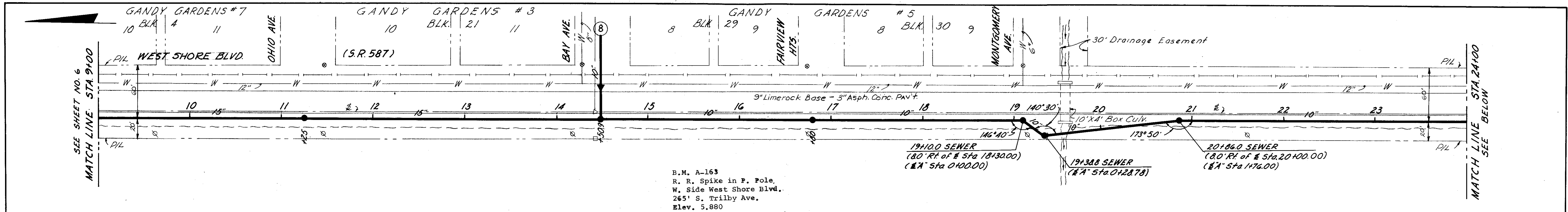
FOREST HILLS TRUNK SEWER
 N. ROME CIRC. - STA. 85+00 TO STA. 99+00

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

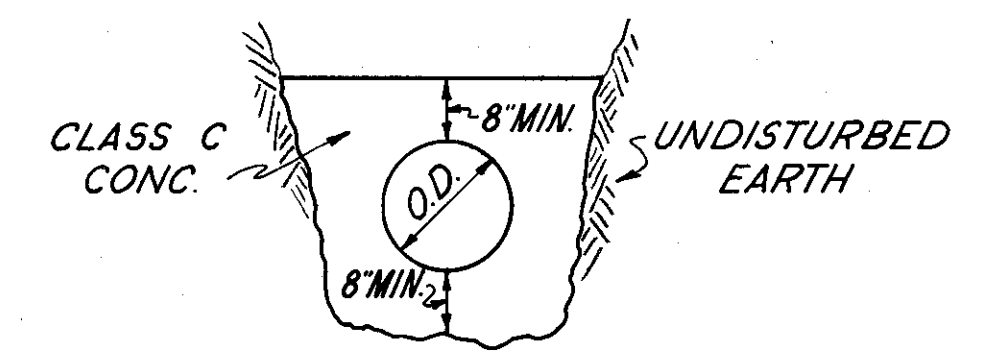
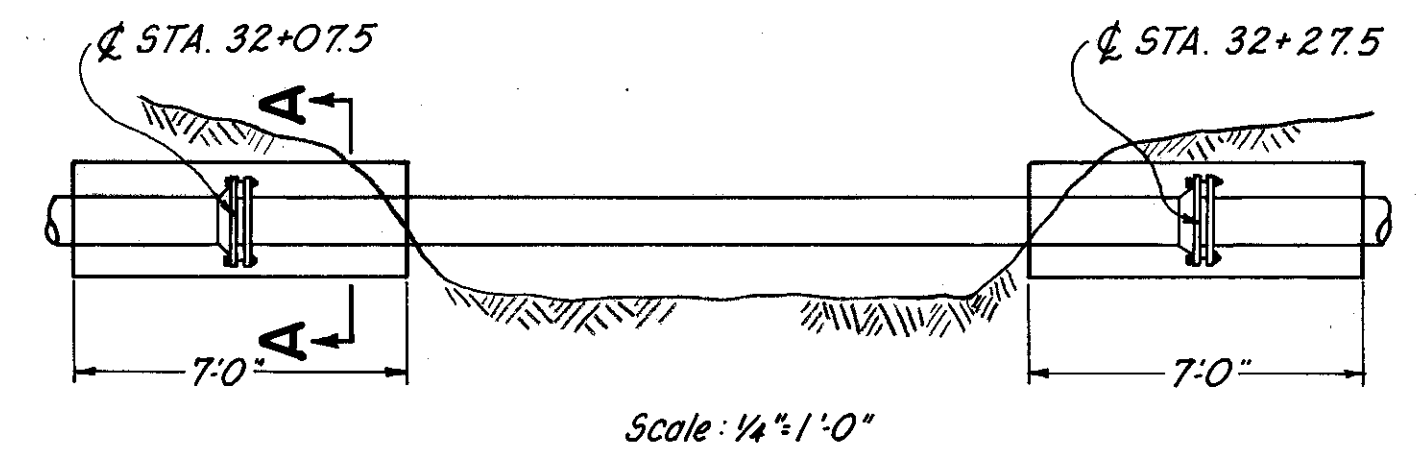
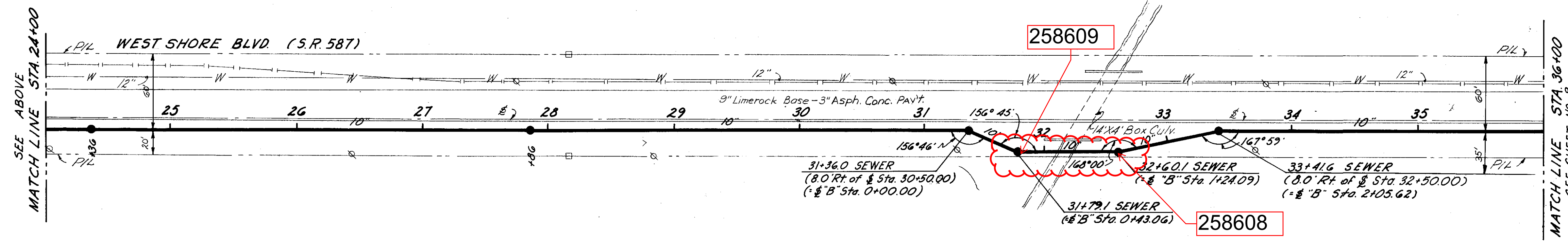
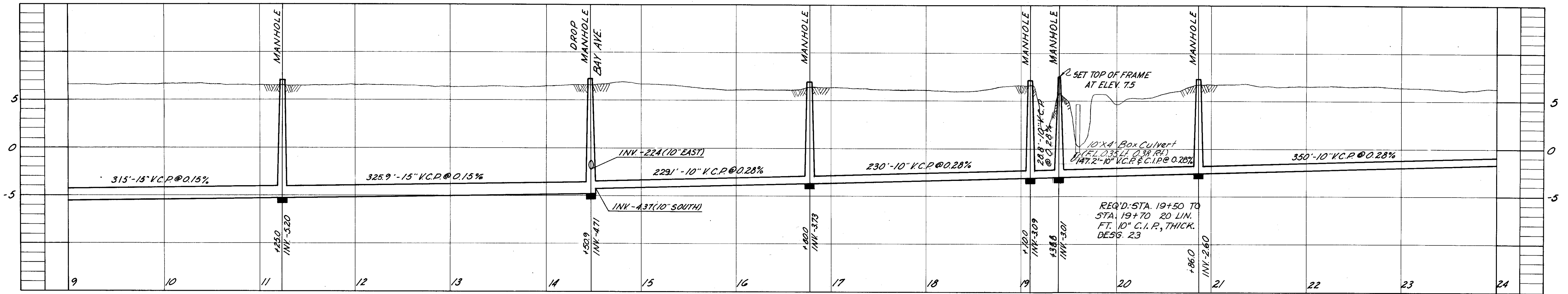
PROJECT 7
 SUBDISTRICT A-70

DATE 10/1/62

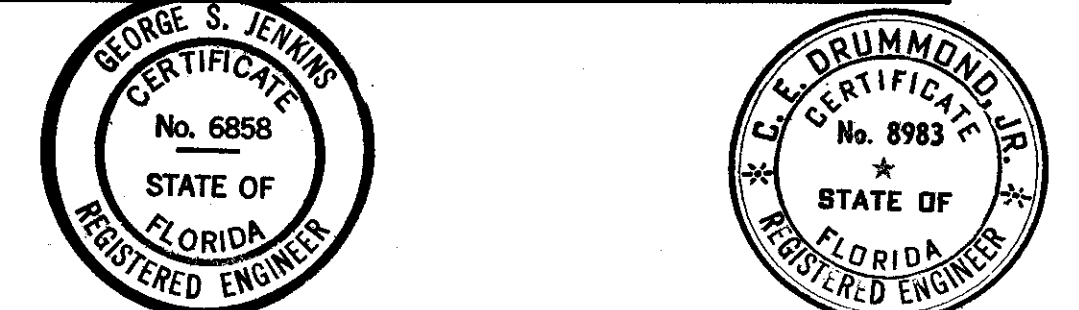
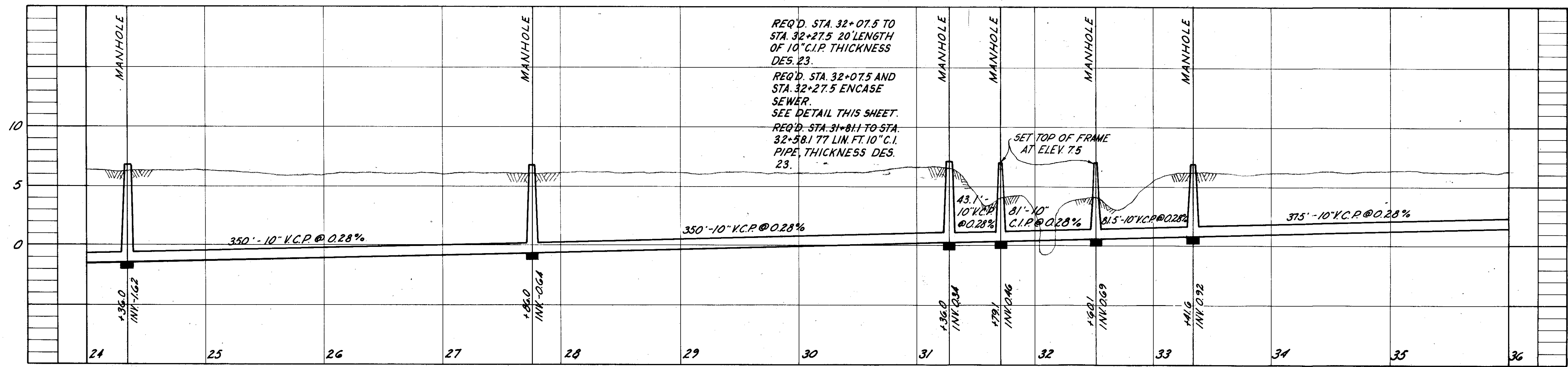
SHEET
 91-10



B.M. A-163
 R. R. Spike in P. Pole,
 W. Side West Shore Blvd.,
 265' S. Trilby Ave.,
 Elev. 5.880



TYPICAL SECTION A-A
 N.T.S.
SEWER ENCASEMENT DETAIL
STA. 32+07.5 AND STA. 32+27.5



CITY OF TAMPA, FLORIDA
 THIRD SEWER REVENUE BOND PROGRAM
 SEWAGE DISPOSAL SYSTEM
WEST SHORE BLVD. TRUNK SEWER
 WEST SHORE BLVD. - STA. 9+00 TO STA. 36+00

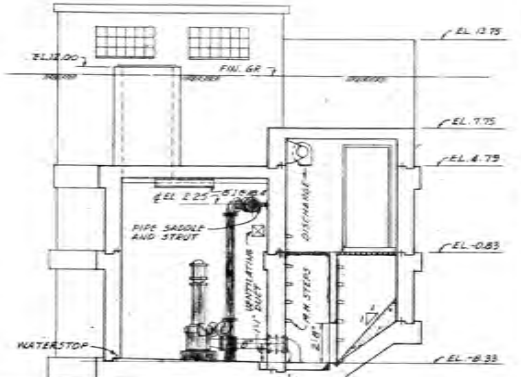
J.E. GREINER COMPANY - WIEDEMAN & SINGLETON ENGINEERS
 CONSULTING ENGINEERS ASSOCIATE ENGINEERS
 TAMPA, FLORIDA ATLANTA, GEORGIA
 DES. L.P.H.
 DRN. W.N.C.
 CKD. B.L.H.
 SCALE 1" = 50'
 DATE OCT-63
PROJECT IS
DISTRICT B
7
 of 18

Ballast Point PS

256497

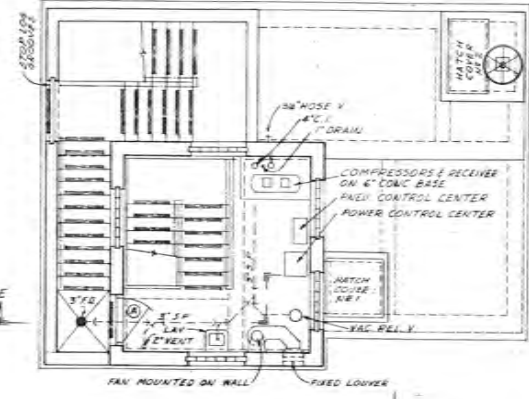
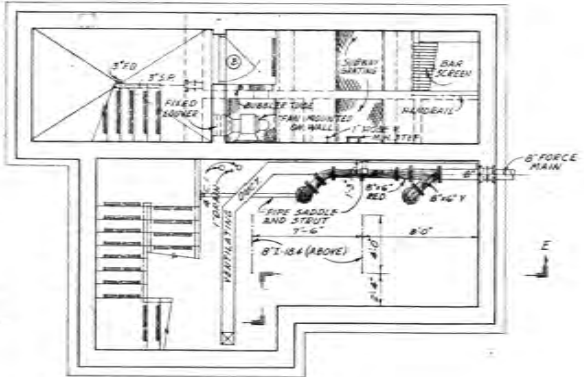
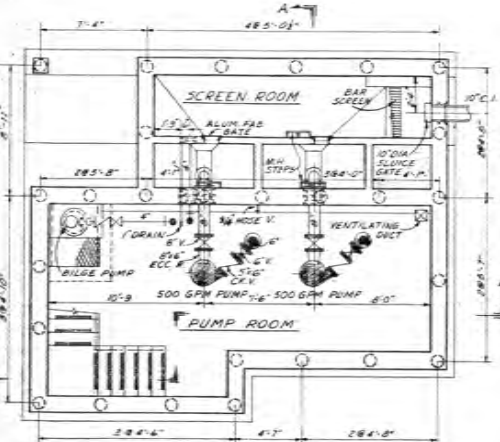
241772

SHADED AREAS REPRESENT EXISTING PIPING AND EQUIPMENT WHICH ARE TO BE REMOVED.



SECTION A-A
SCALE 1/4"=1'-0"

LOCATION PLAN
BALLAST POINT BLVD. PUMPING STATION
SCALE: 1"=10'-0"



ENTRANCE FLOOR PLAN
SCALE: 1/4"=1'-0"

DESIGNED BY
Henry D. Dab
HENRY DORZACK, P.E. 0-39445
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

DATE: 5/12/92

APPROVED BY
Ralph L. Metcalf
RALPH L. METCALF, P.E.
DIRECTOR
DEPARTMENT OF SANITARY SEWERS

#	DATE	REVISIONS
1		
2		
3		
4		
5		

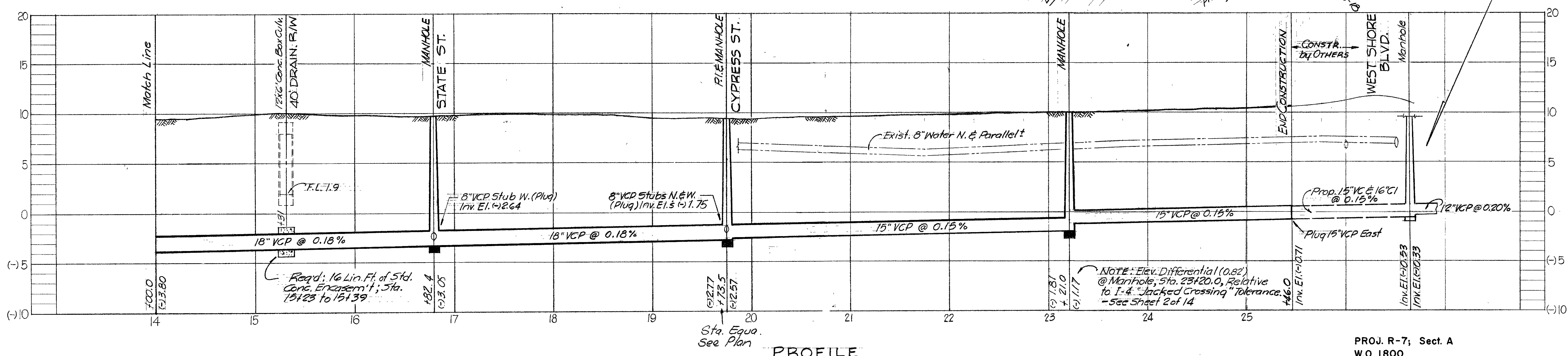
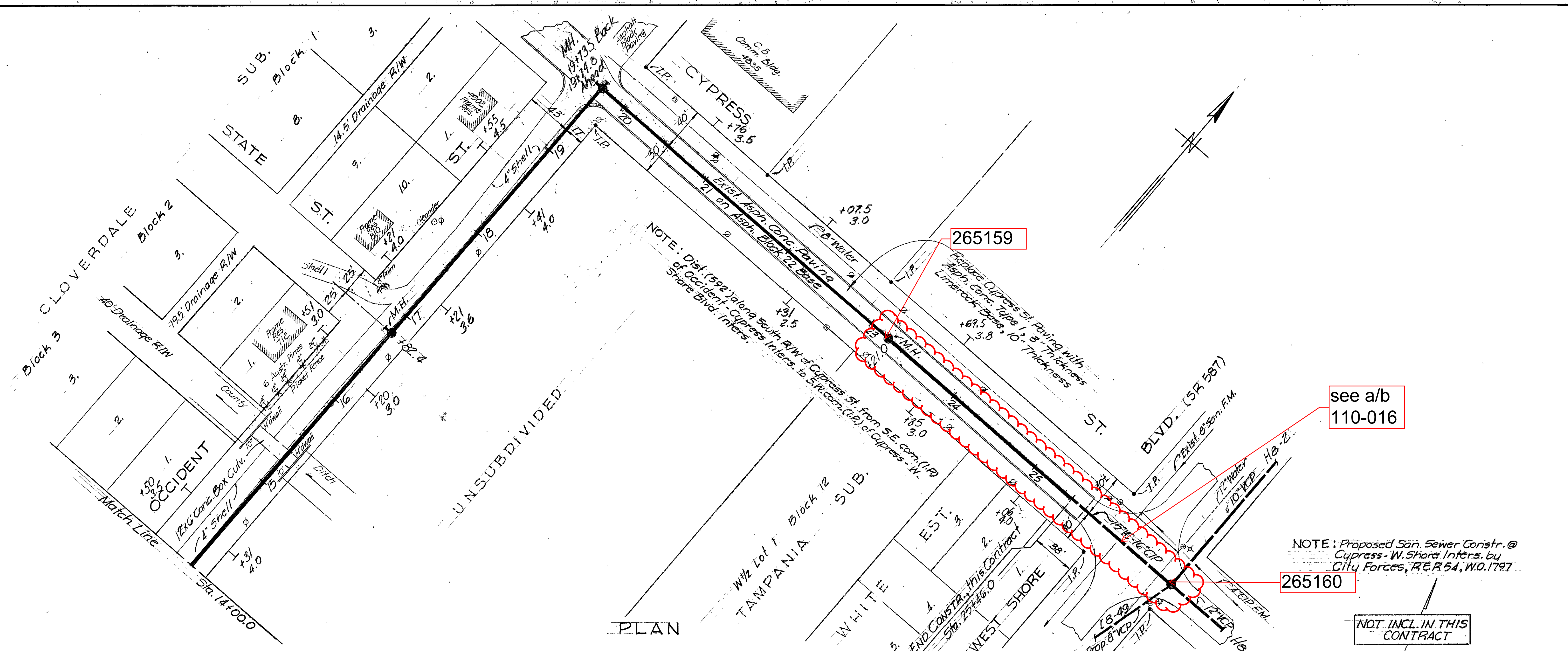
SCALE
NOT TO SCALE

DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWAGE DISPOSAL SYSTEM

AS BUILT
BALLAST POINT
PUMPING STATION
DEMOLITION SHEET

SHEET
12
OF 14

100-1



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

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
1 - 8	42

PROJ. R-7; Sect. A
W.O. 1800

Design
W.O. 1792

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWAGE DISPOSAL SYSTEM

OCCIDENT ST. TRUNK SEWER: Sta. 14+00.0 to Sta. 25+46.0

DES: CT-EA
DRN: CT-HK
CKD: C M T
DATE
MAY 1966

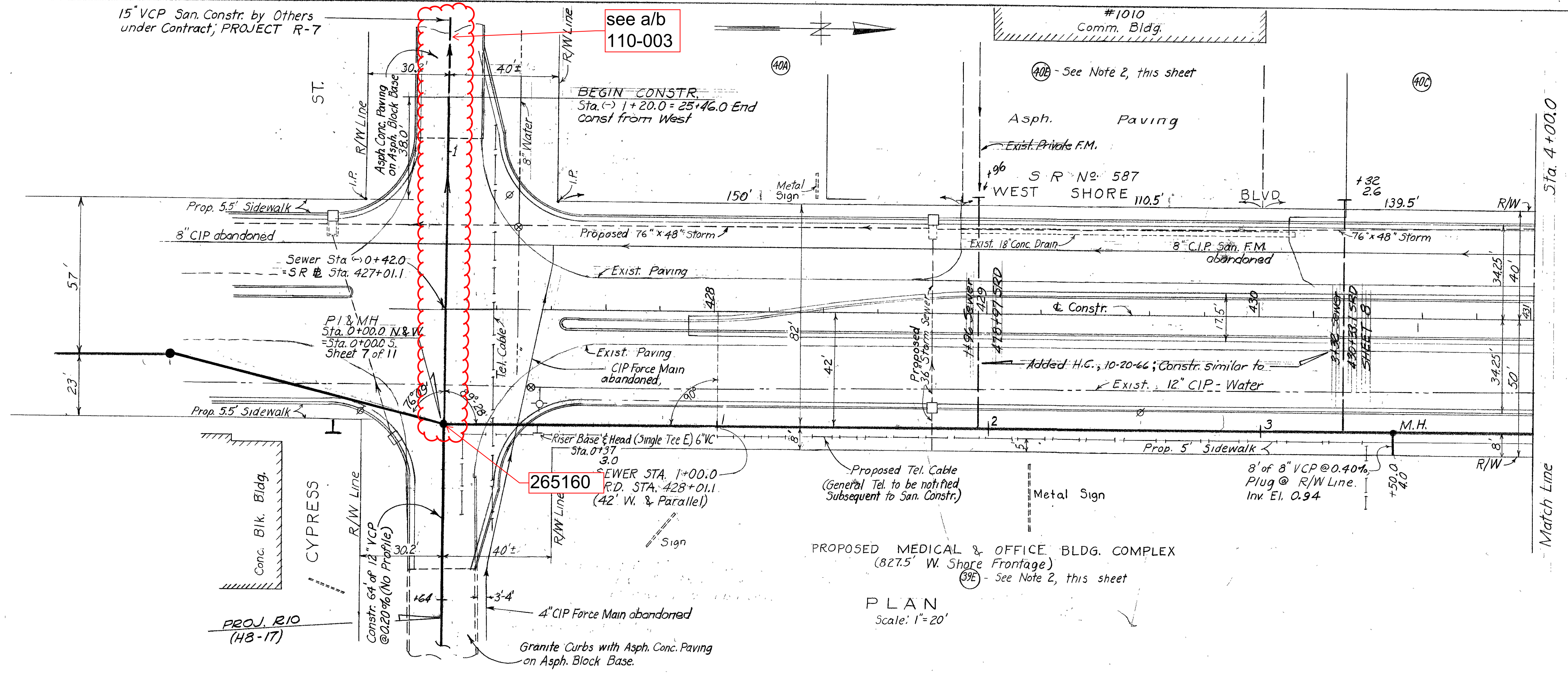
50 0 SCALE: 50 100
1" = 50'

SHEET
3
OF 14

Drainage Subdistrict A-3

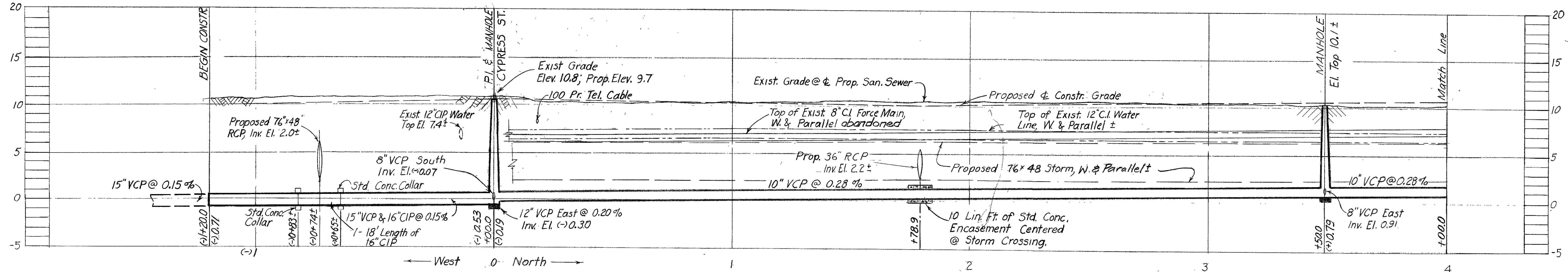
15" VCP San. Constr. by Others under Contract, PROJECT R-7

see a/b 110-003



PROPOSED MEDICAL & OFFICE BLDG. COMPLEX (827.5' W. Shore Frontage)

PLAN Scale: 1"=20'



PROFILE Scale: Horiz.: 1"=20' Vert.: 1"=5'

- NOTES:
- San. Sewer Constr. "Stakeout" to be cross-checked with SR @ Stationing @ all Manholes.
 - County Tax Assessor's tract identification No.; information obtained May, 1966.
 - City Datum: BM No A-314, Elev. 11.515; B.B. Spike in power pole @ S.E. corner of West Shore & Cypress.
 - Sta. 7+00 to 23+35; 6" VG Wye Conn. to E. R/W of West Shore Blvd. shall attain max. Depth @ R.

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
H-8	2

R & R F.A. 54 W.O. 1797

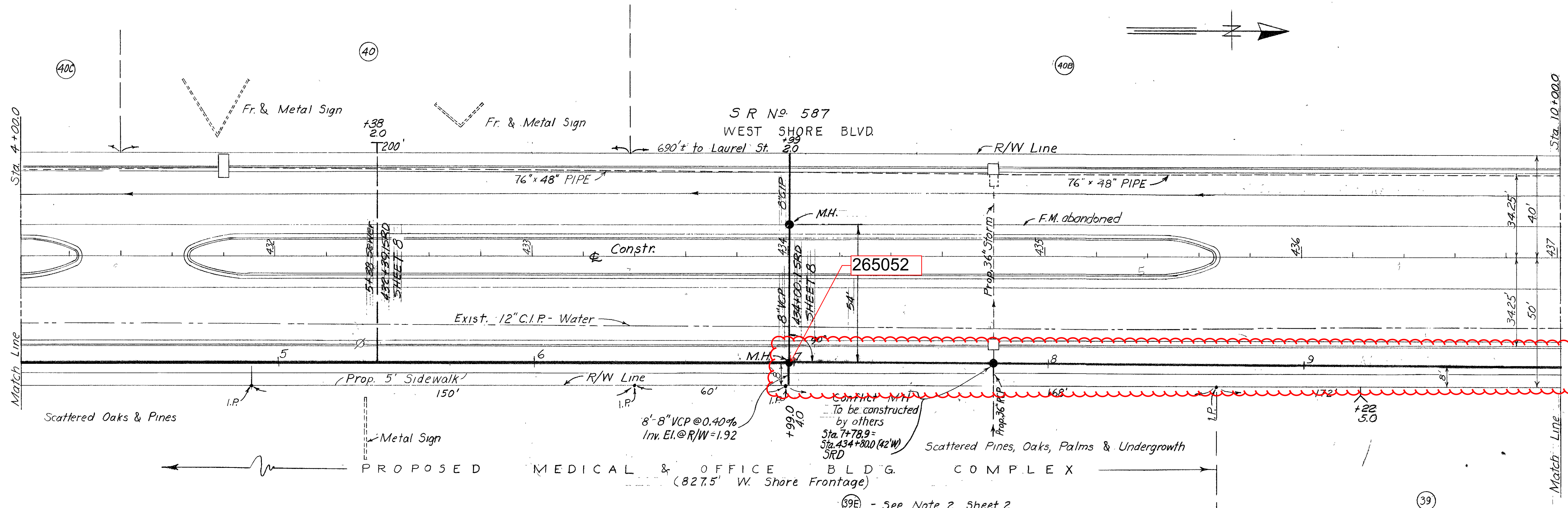
CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWAGE DISPOSAL SYSTEM

WEST SHORE BLVD.: Cypress St. to 400'ft. N of Cypress St. on West Shore Blvd.

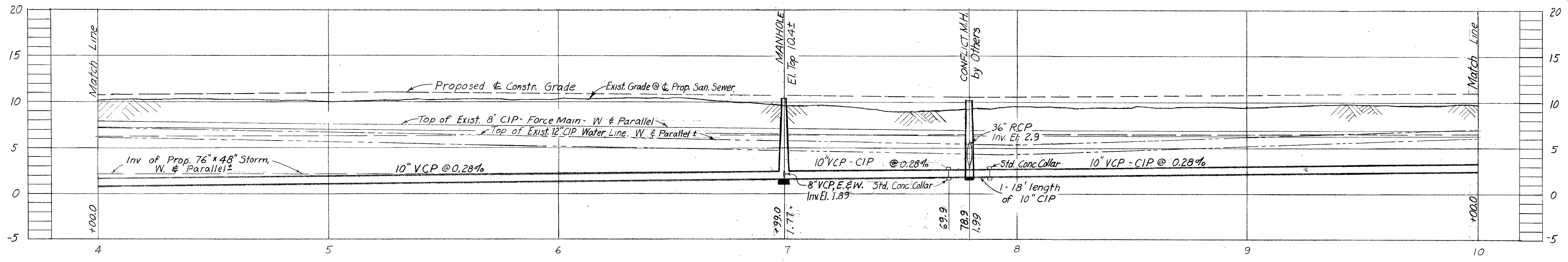
DES: A C
DRN: H S
CKD: C T
DATE: SEPT. 1966

20 0 SCALE 20 40
1" = 20'

SHEET 2 OF 11



PLAN
Scale: 1" = 20'



PROFILE
Scale: Horiz: 1" = 20'
Vert: 1" = 5'

see a/b
110-018

R & R F.A. 54 W.O. 1797

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWAGE DISPOSAL SYSTEM

WEST SHORE BLVD.: Sta. 4+00.0 (400' N. of Cypress St.) to Sta. 10+00.0

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
H-8	9

DES: A C
DRN: H S
CKD: C T
DATE:
SEPT. 1966

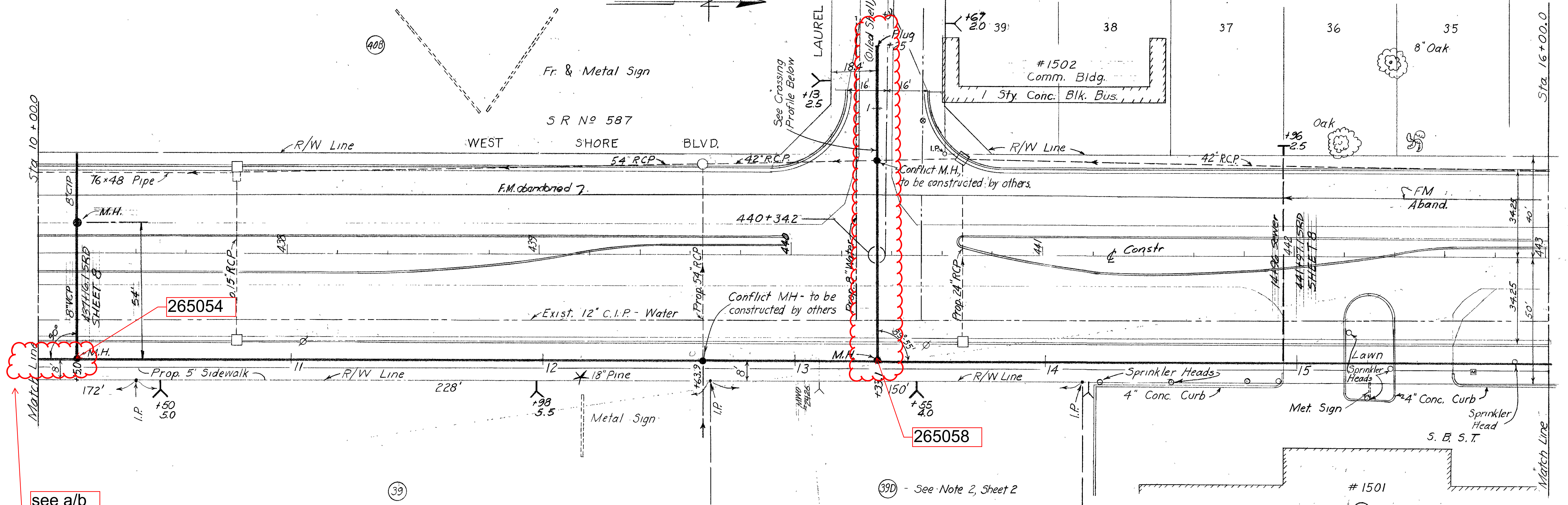
20 0 SCALE 20 40
1" = 20'

SEWER LINE LOCATION
3
Drainage Subdistrict A-3

110-017

265146

ELEANOR (NO. BLOCK NUMBERS) VILLAS

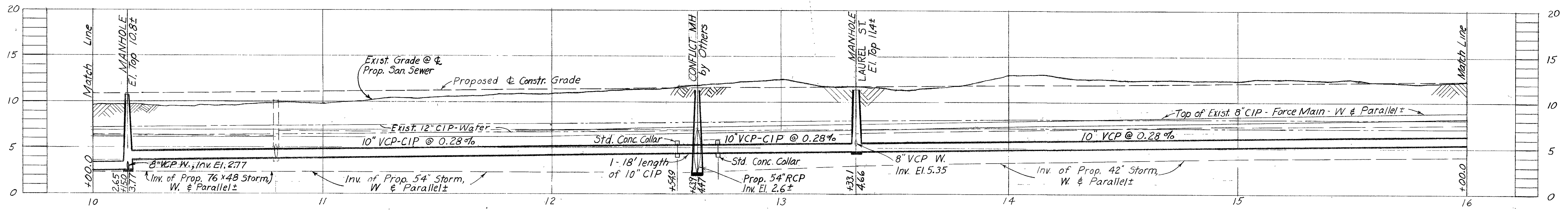


PLAN Scale: 1" = 20'

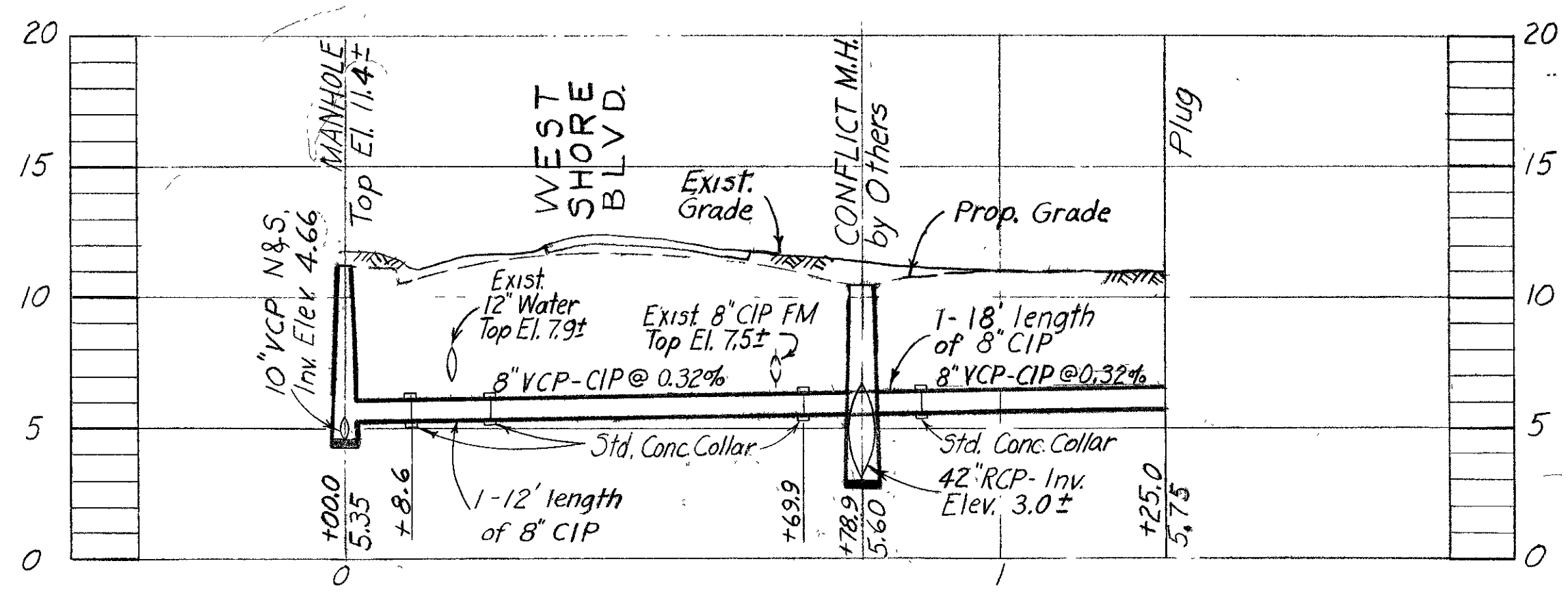
see a/b 110-017

265054

265058



PROFILE H-8-10 Scale: Horiz.: 1" = 20' Vert.: 1" = 5'



LAUREL STREET CROSSING PROFILE H-8-13

R & R F.A. 54 W.O. 1797

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWAGE DISPOSAL SYSTEM & SEWER IMPROVEMENTS

WEST SHORE BLVD.: Sta 10+00.0 to Sta. 16+00.0
LAUREL ST. CROSSING: 8" Lateral West

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
H-8	10
	13

DES: A C
DRN: H S
CKD: C T
DATE:
SEPT. 1966

20 0 SCALE: 20 40 SHEET
1" = 20'

Drainage Sub

110-018

265133

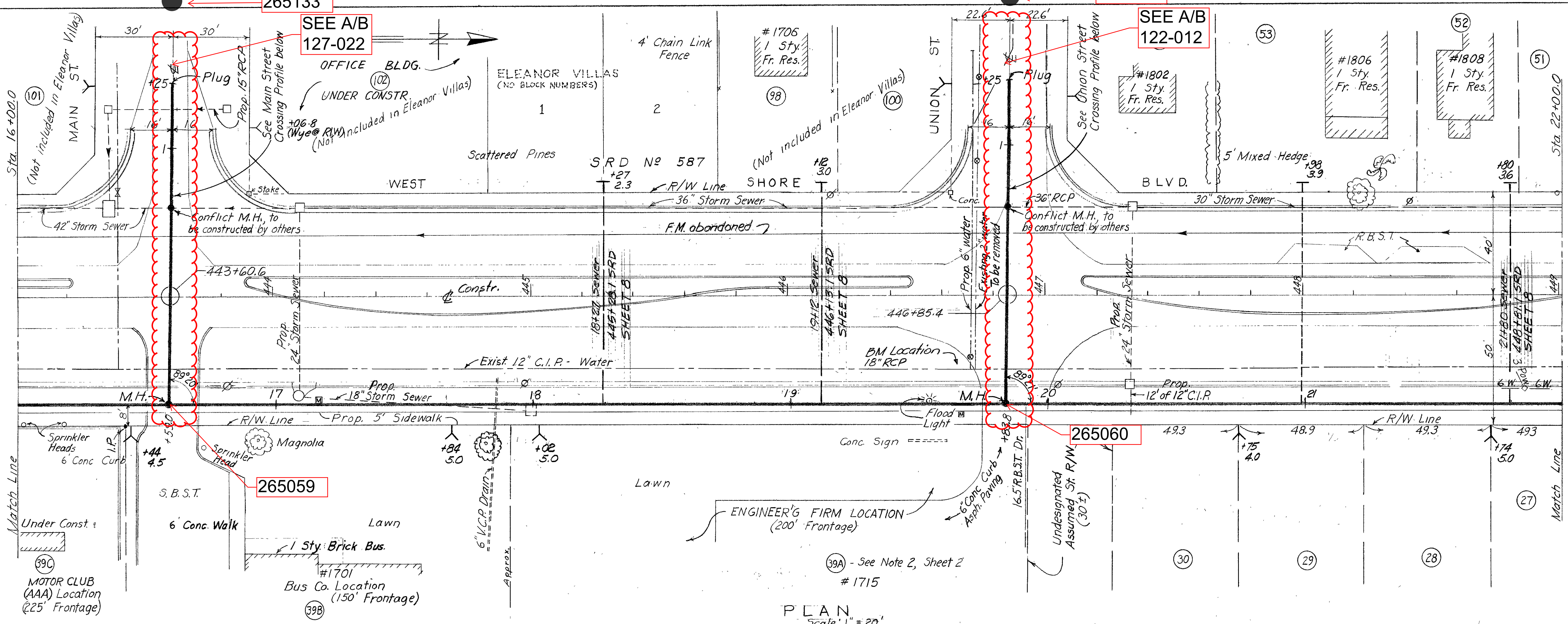
265122

SEE A/B
127-022

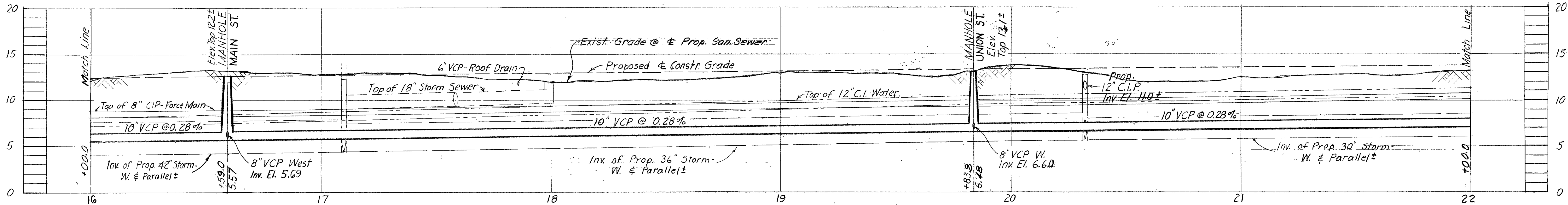
SEE A/B
122-012

265059

265060

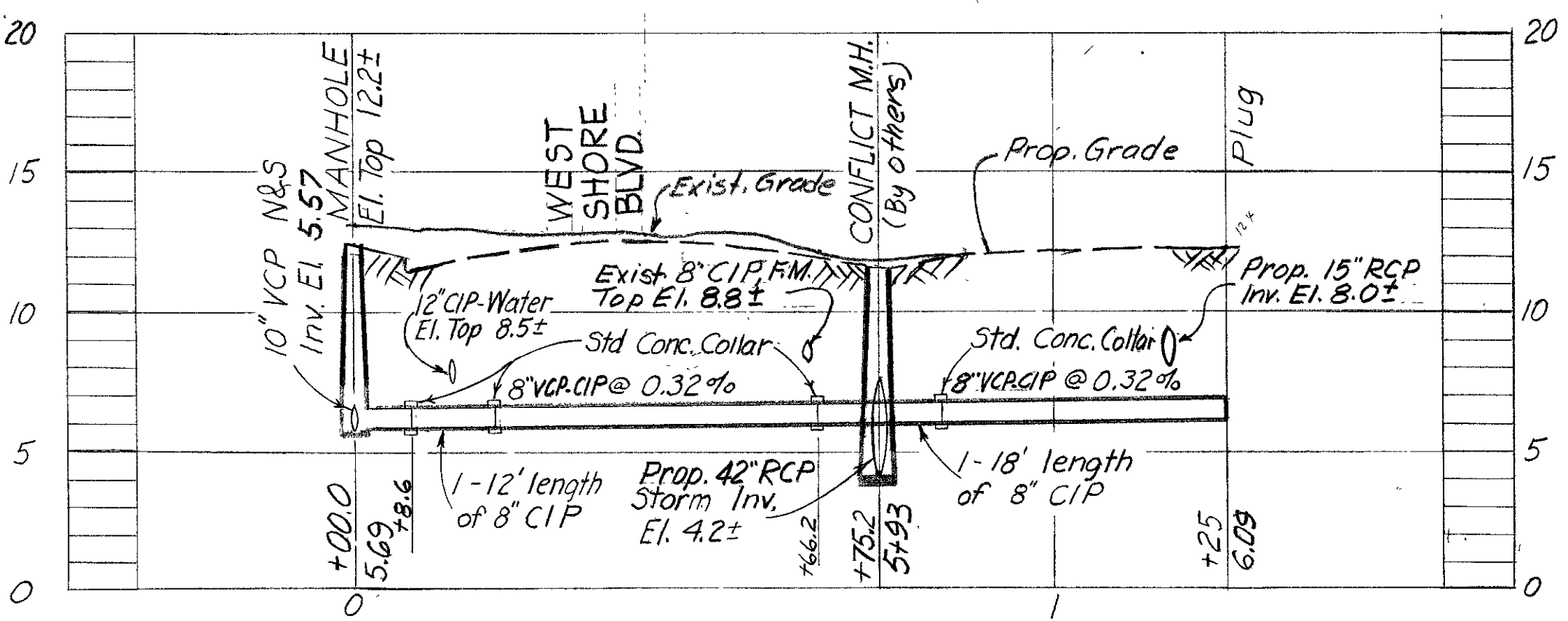


PLAN
Scale: 1" = 20'

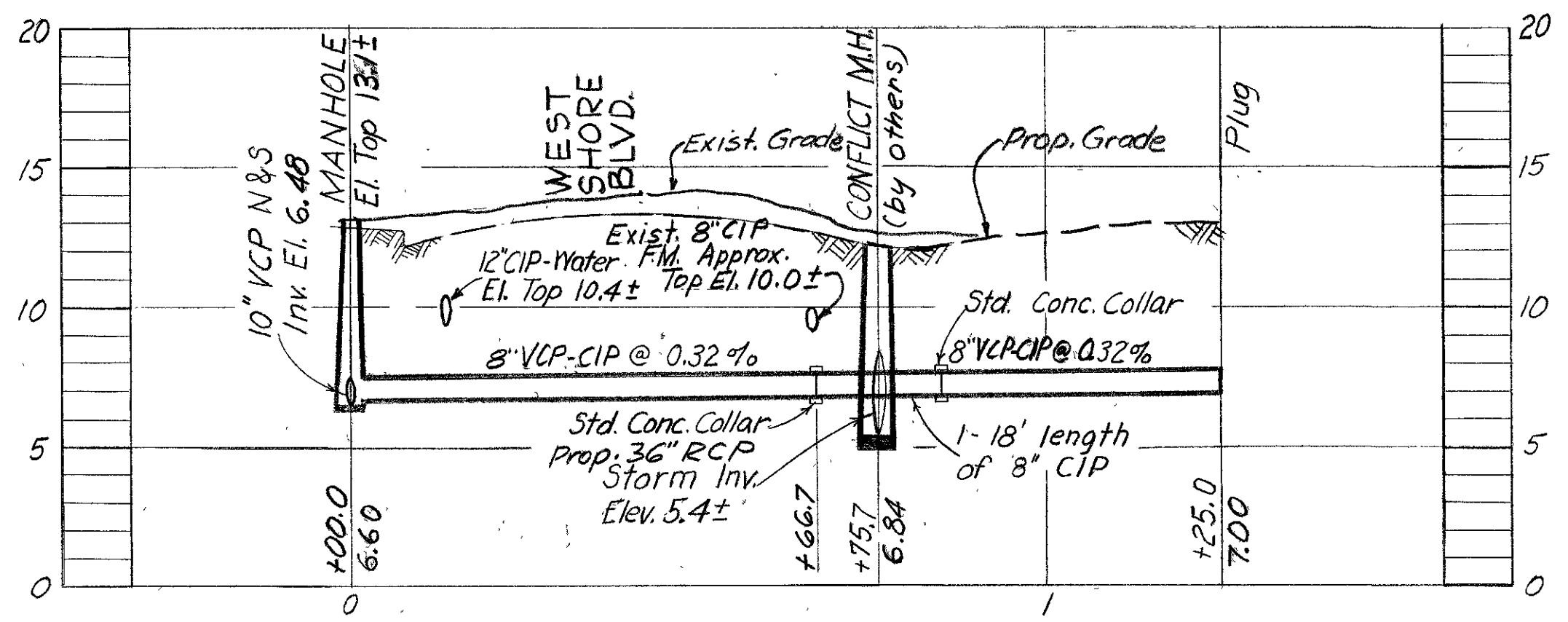


PROFILE H-8-11
Scale: Horiz.: 1" = 20'
Vert.: 1" = 5'

NOTES:
1. City Datum; BM No. A-318, Elev. 13.017; 1/4 cut on S. end of existing 18" RCP on S.E. corner of West Shore & Union. (Entrance to Engr. firm)



MAIN STREET CROSSING PROFILE H-8-14



UNION STREET CROSSING PROFILE H-8-15

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
H-8	11
	14
	15

R & R F.A. 54 W.O. 1797

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWAGE DISPOSAL SYSTEM & SEWER IMPROVEMENTS

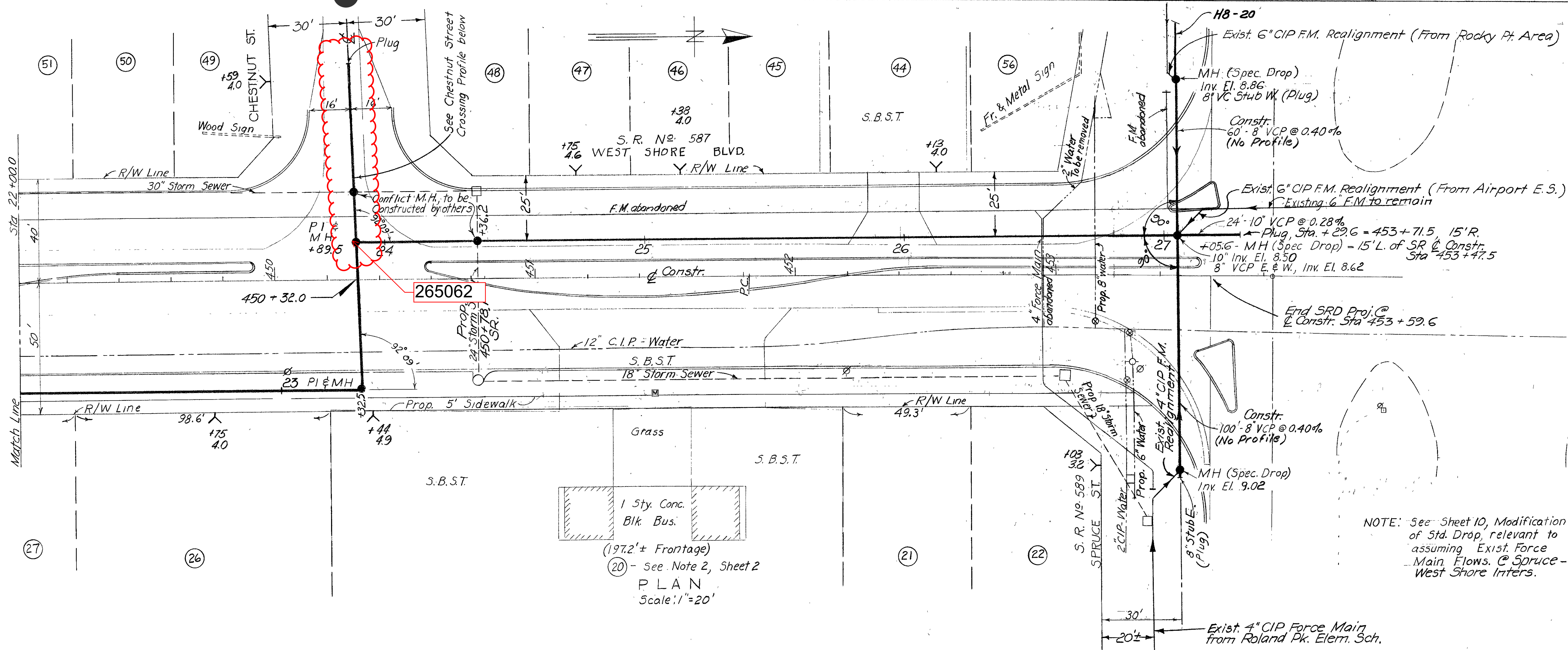
WEST SHORE BLVD.: Sta. 16+00.0 to Sta. 22+00.0
MAIN ST. CROSSING: 8" Lateral West
UNION ST. CROSSING: 8" Lateral West

DES: A C
DRN: H S
CKD: C T
DATE:
SEPT. 1966

20 0 SCALE: 20 40
1" = 20'

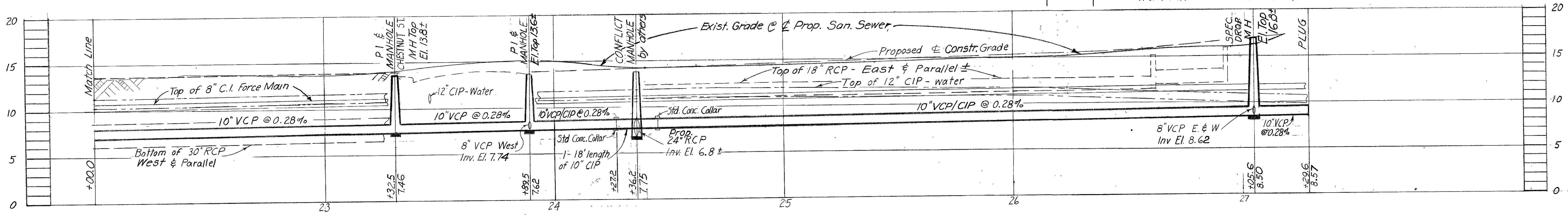
SHEET
5

Drainage **110-019**

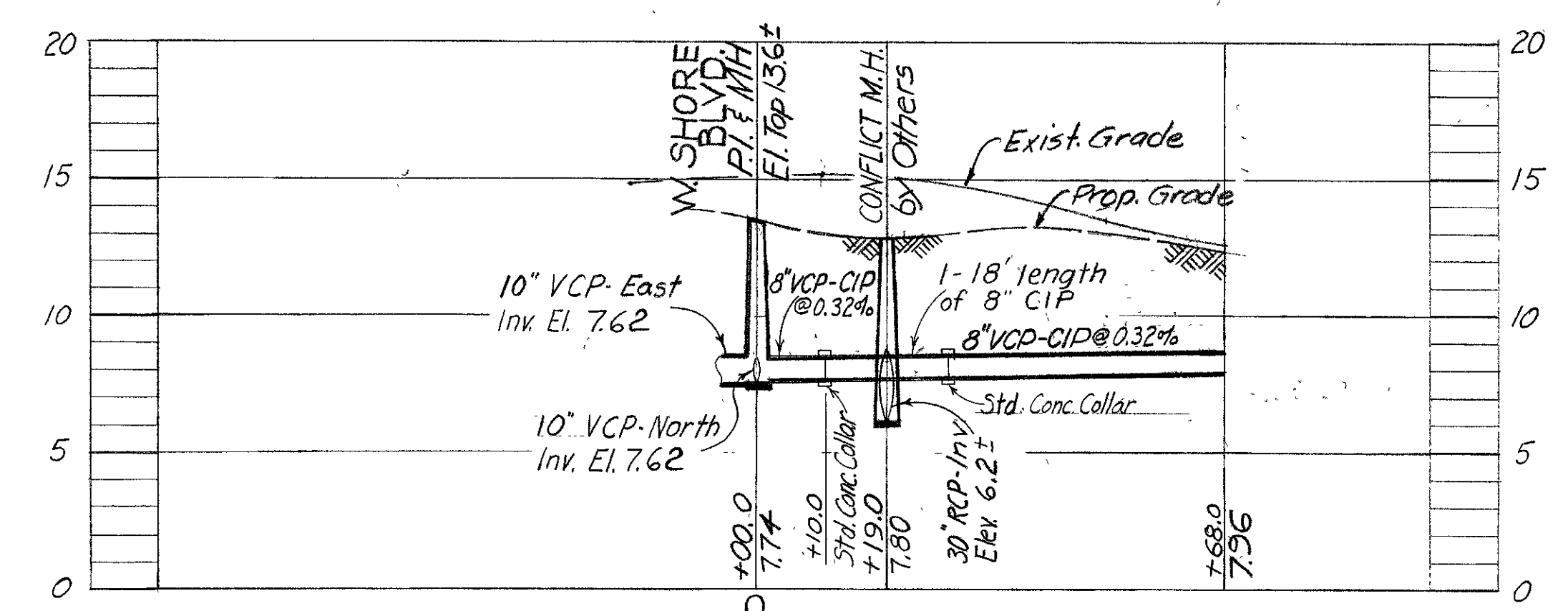


1 Sty. Conc. Blk. Bus. (197.2'± Frontage)
 (20) - See Note 2, Sheet 2
PLAN
 Scale: 1" = 20'

NOTE: See Sheet 10, Modification of Std. Drop, relevant to assuming Exist. Force Main Flows @ Spruce-West Shore Inter.



PROFILE H-8-12
 Scale: Horiz.: 1" = 20'
 Vert.: 1" = 5'



CHESTNUT STREET CROSSING PROFILE H-8-16

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
H-8	12 16

R & R F.A. 54 WO. 1797

CITY OF TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWAGE DISPOSAL SYSTEM & SEWER IMPROVEMENTS

WEST SHORE BLVD.: Sta. 22+00.0 to Sta. 27+29.6 (Spruce St.)
 CHESTNUT ST. CROSSING: 8" Lateral West

DES: A C
 DRN: H S
 CKD: C T
 DATE: SEPT 1966

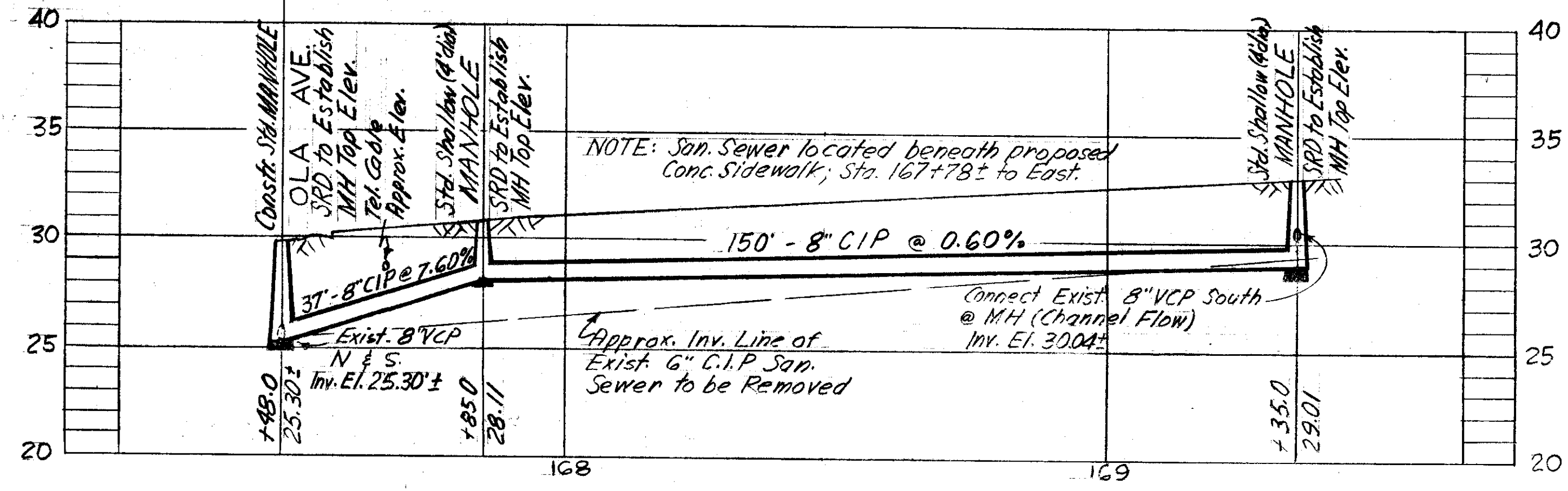
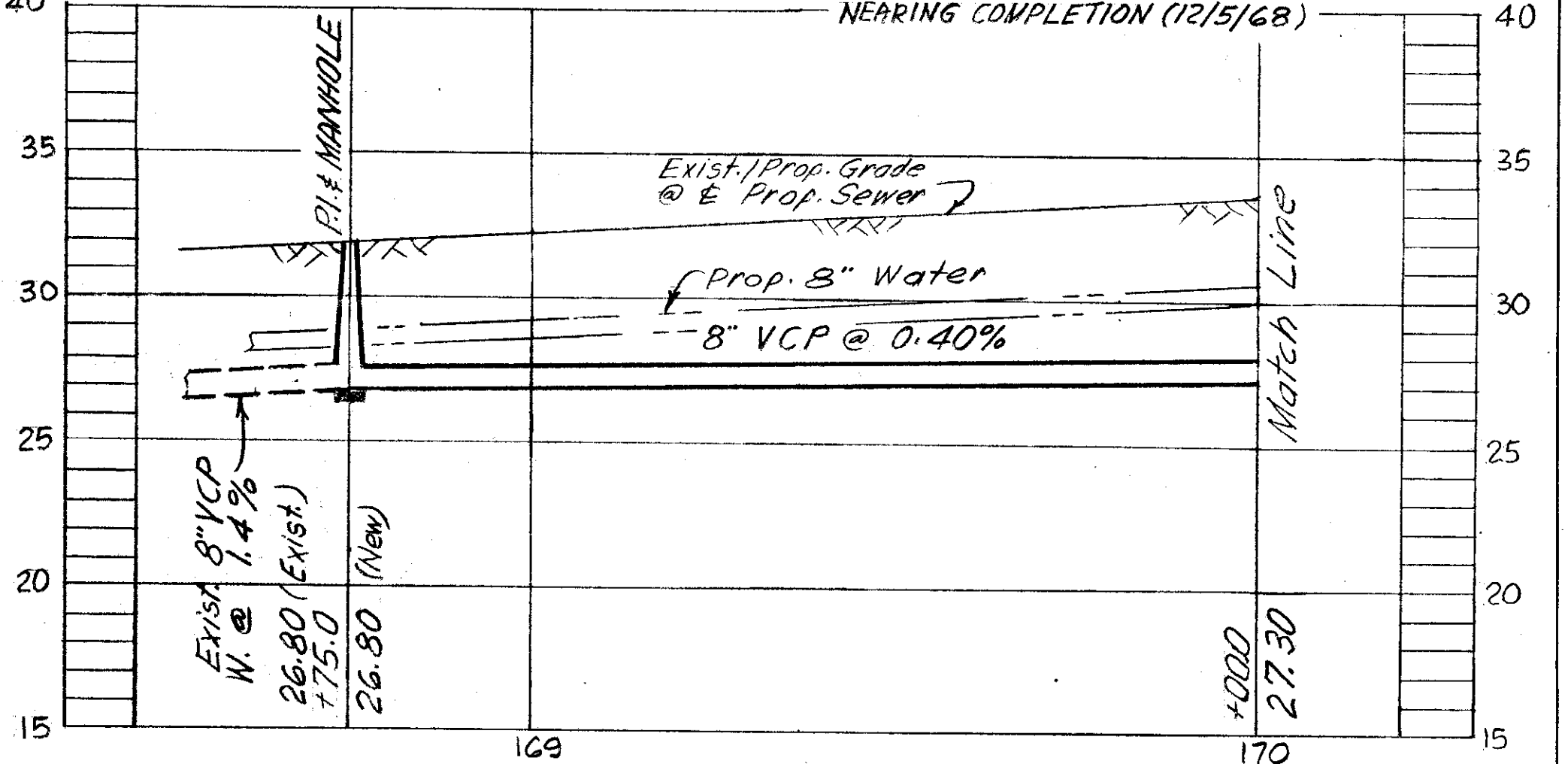
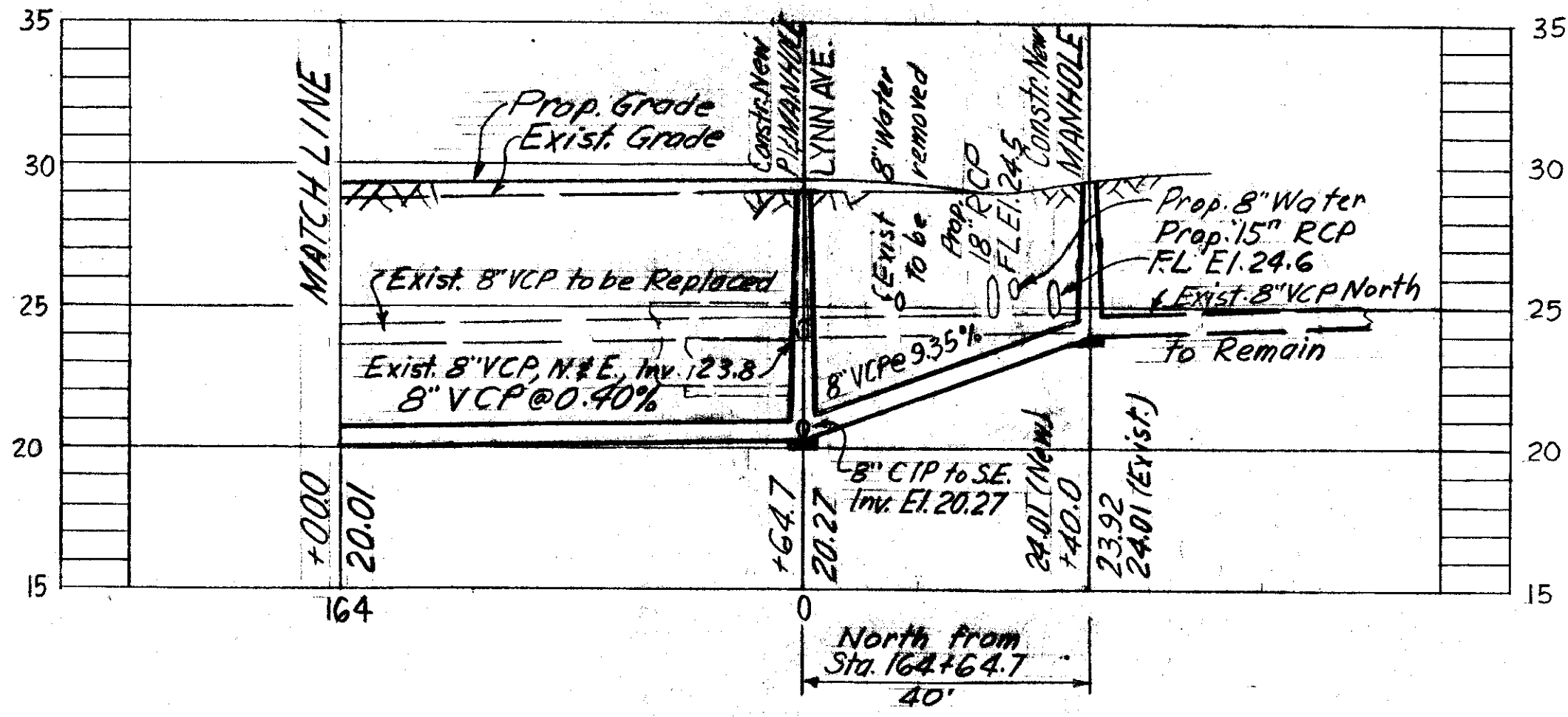
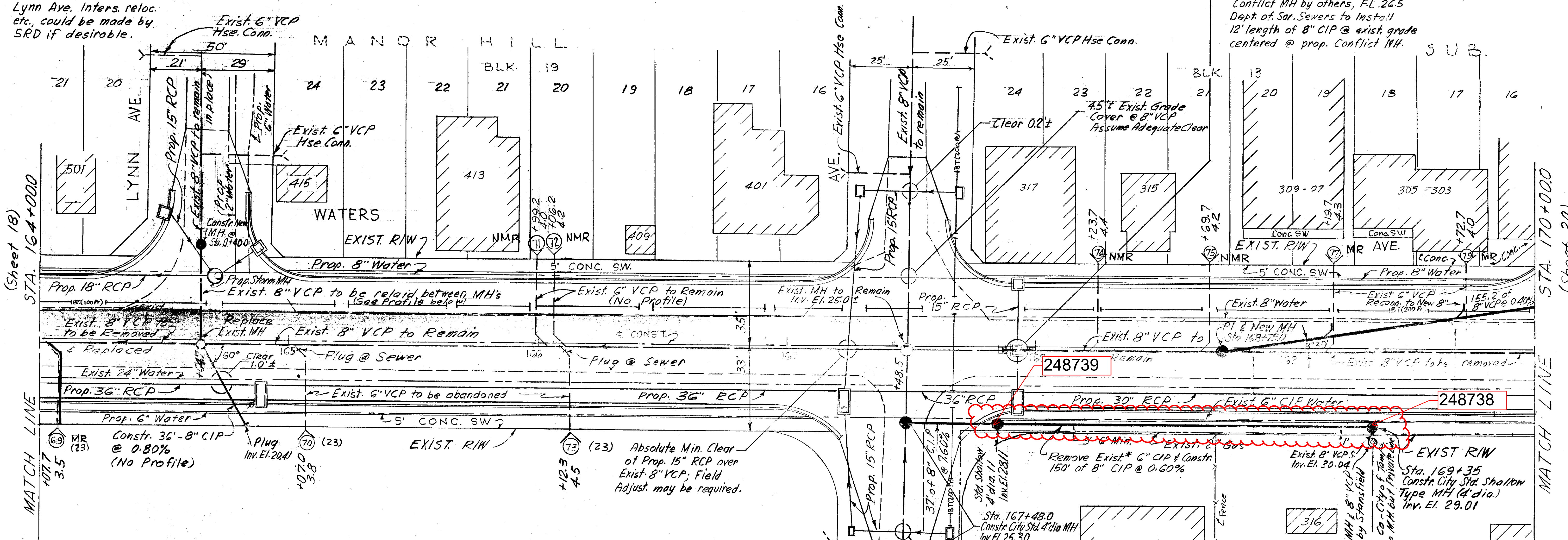
SCALE: 20' = 1" = 20'

Drainage Subdistrict A-3

6

Sta. 164+70
 NOTE: Prop. Storm MH @
 Lynn Ave. Inters. reloc.
 etc., could be made by
 SRD if desirable.

STA. 167+92.5
 Conflict MH by others, FL 26.5
 Dept of San. Sewers to install
 12' length of 8" CIP @ exist. grade
 centered @ prop. Conflict MH.



R & R 58 W.O. 1781

CITY OF TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWER IMPROVEMENTS

WATERS AVE.: S.R. Sta. 164+000 to Sta. 170+00.0
 (W. of Lynn Ave.) (W. of Highland Ave.)

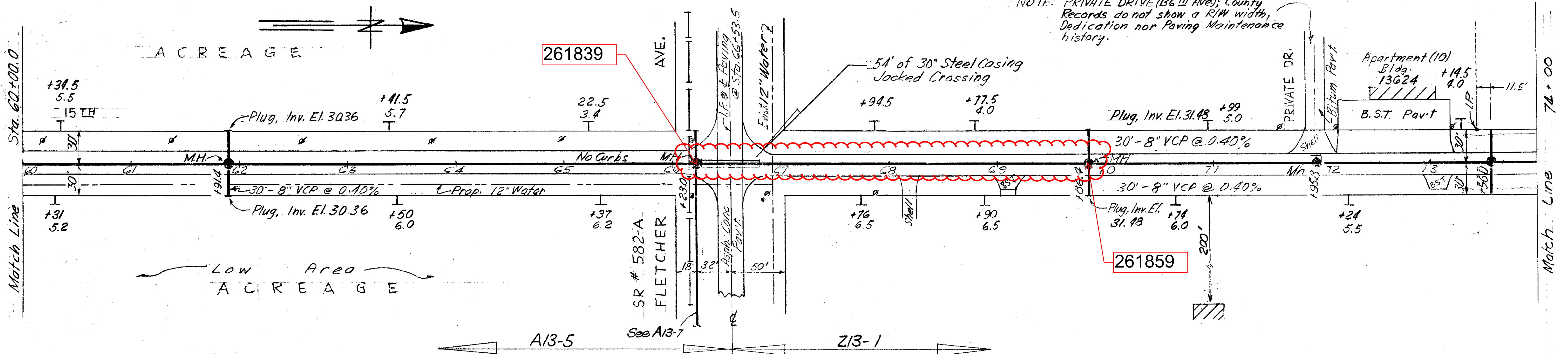
DES: JMR
 DRN: JMR
 CKD: CMT
 DATE: DEC. 1967

20 0 SCALE: 20 40
 1" = 20'

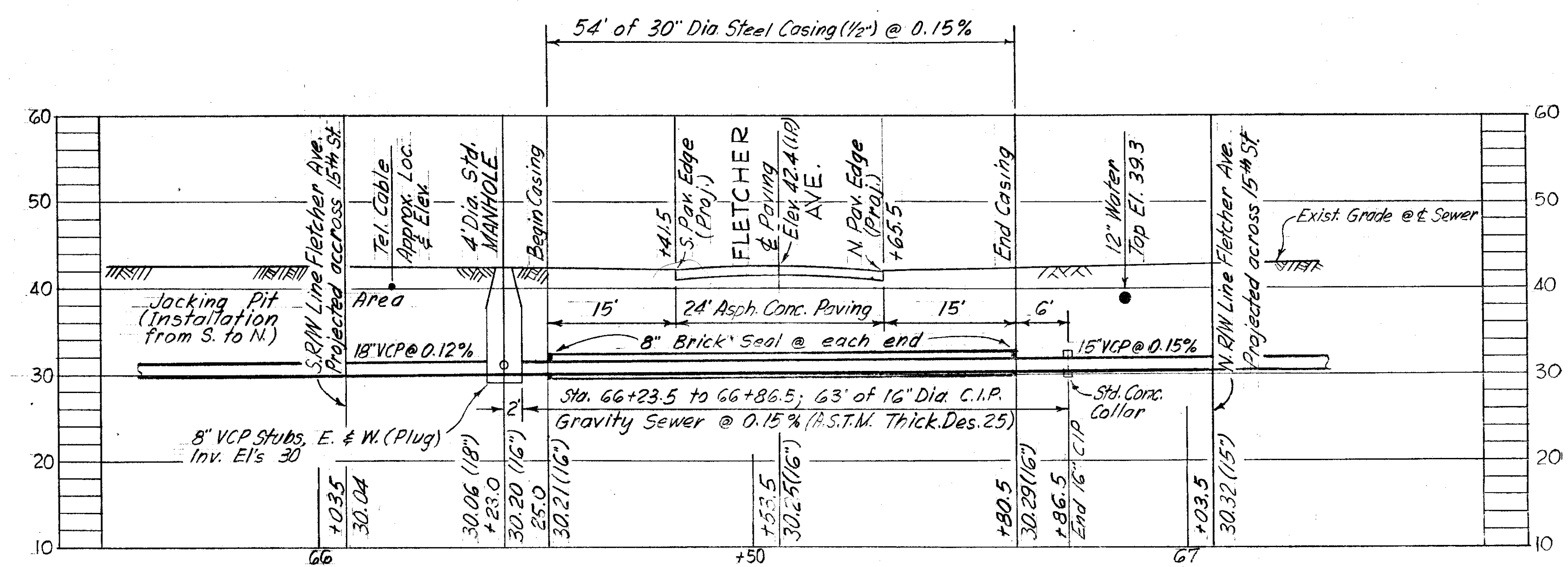
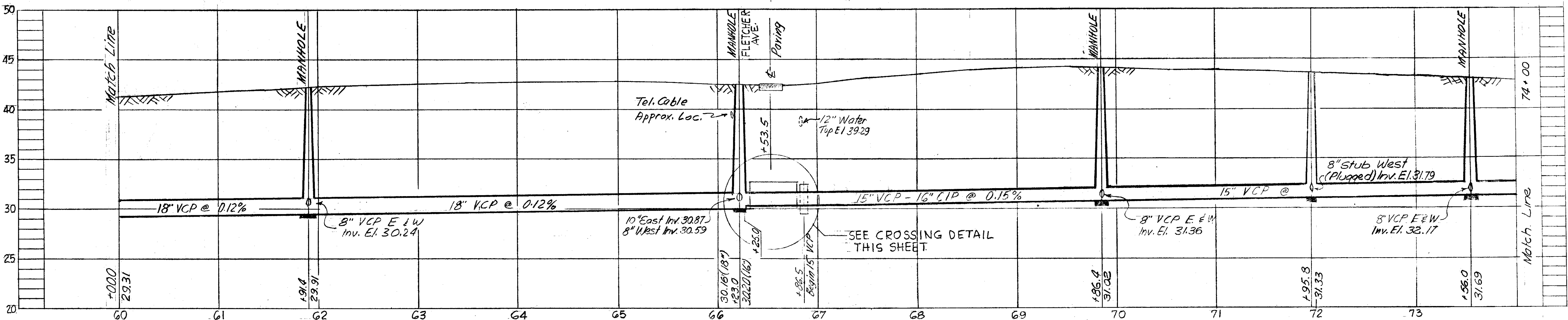
Drainage Subdistrict A-7

SHEET
19
 OF 25

114-019



NOTE: PRIVATE DRIVE (36th Ave); County Records do not show a R/W width; Dedication nor Paving Maintenance history.



FLETCHER AVE. (S.R. N° 582-A) JACKED CROSSING DETAIL
 Sta. 66+26.5 to Sta. 66+80.5
 Scale: 1" = 110'; Vert. & Horiz.

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

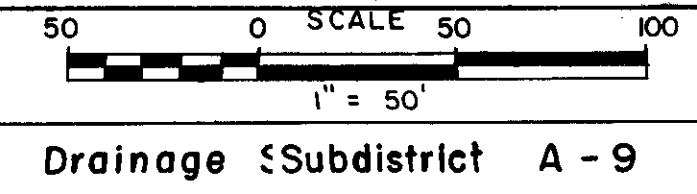
PROJ. R-13 DESIGN W.O. 2022

CITY OF TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWAGE DISPOSAL SYSTEM

15TH ST.: Sta. 60+00.0 to Sta. 74+00.0

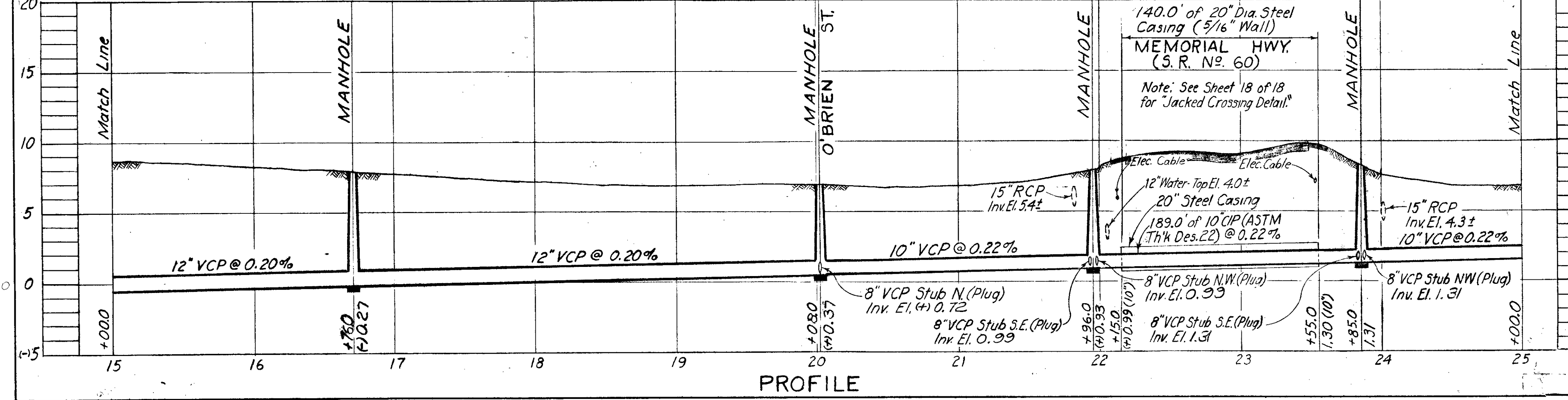
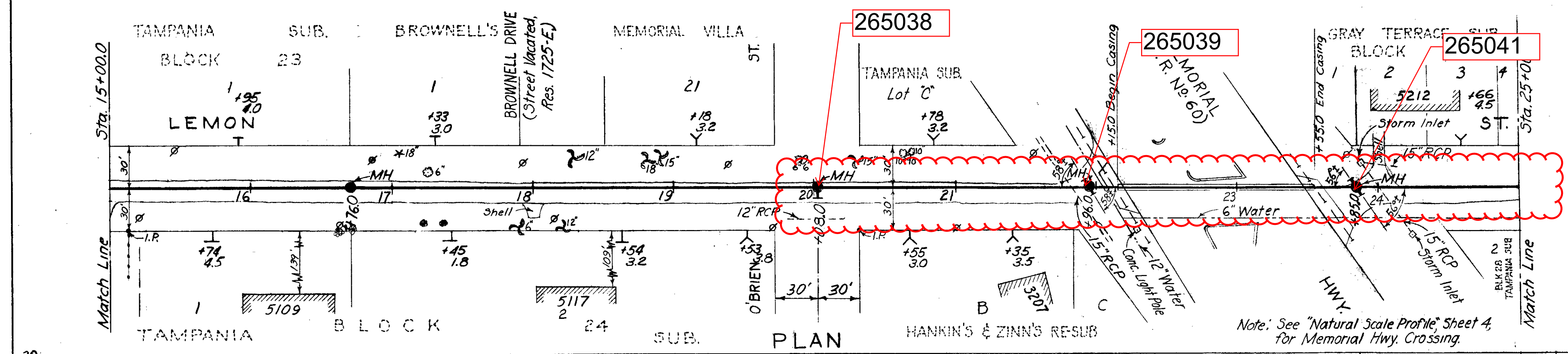
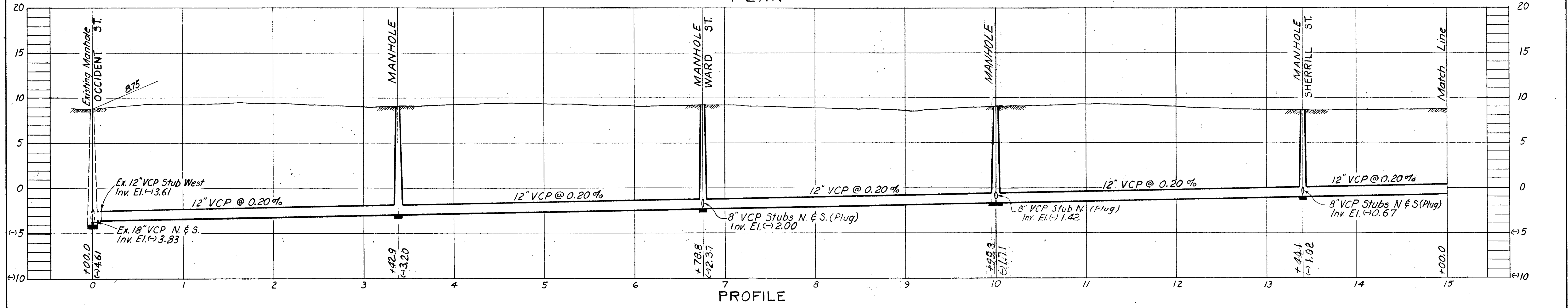
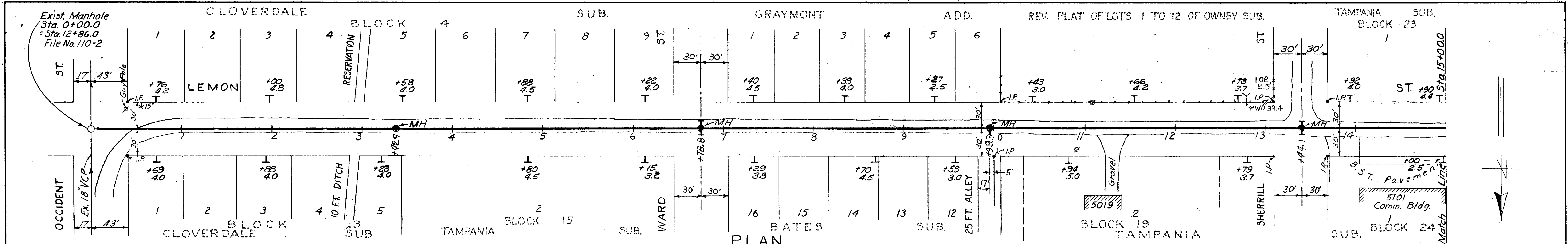
SEWER LINE LOCATION
 SEC. MAP No. LINE No.

DES: JMR
 DRN: JMR
 CMT: SCMT
 Drainage Subdistrict A-9



SHEET
 6
 OF 8

116-006



- NOTES:
1. B.M. A-1034 - Elev. 8.157 - RR Spike in 36" Oak tree @ N.E. corner of Lemon St. & Memorial Highway.
 2. Min. depth of house connections for 5109 & 5117 Lemon St. = 4.0' at property line.

Handwritten: H.C. Built

M.H. STA. & INV. REVISED
W.A. 9/82

Design W.O. 1898

Proj. R-12

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

LEMON ST: Occident St to Sta. 25+00.0

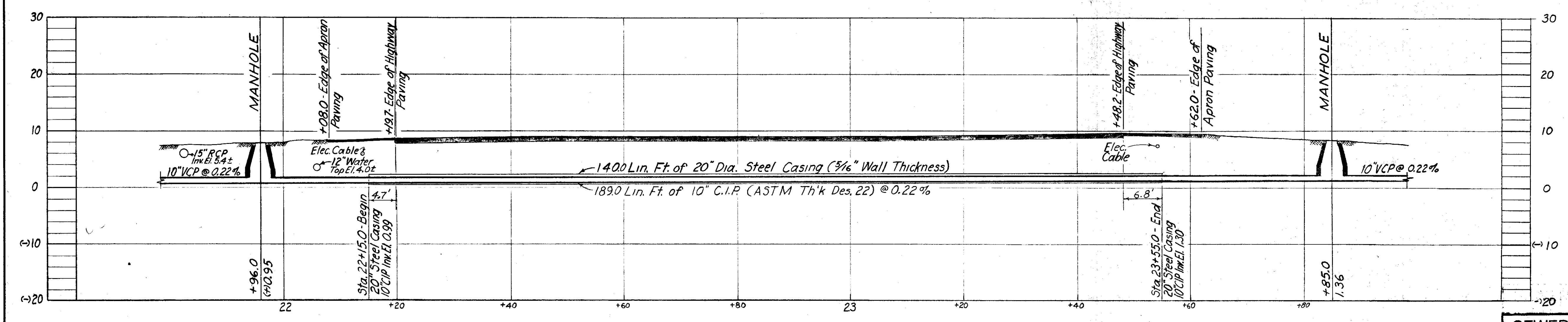
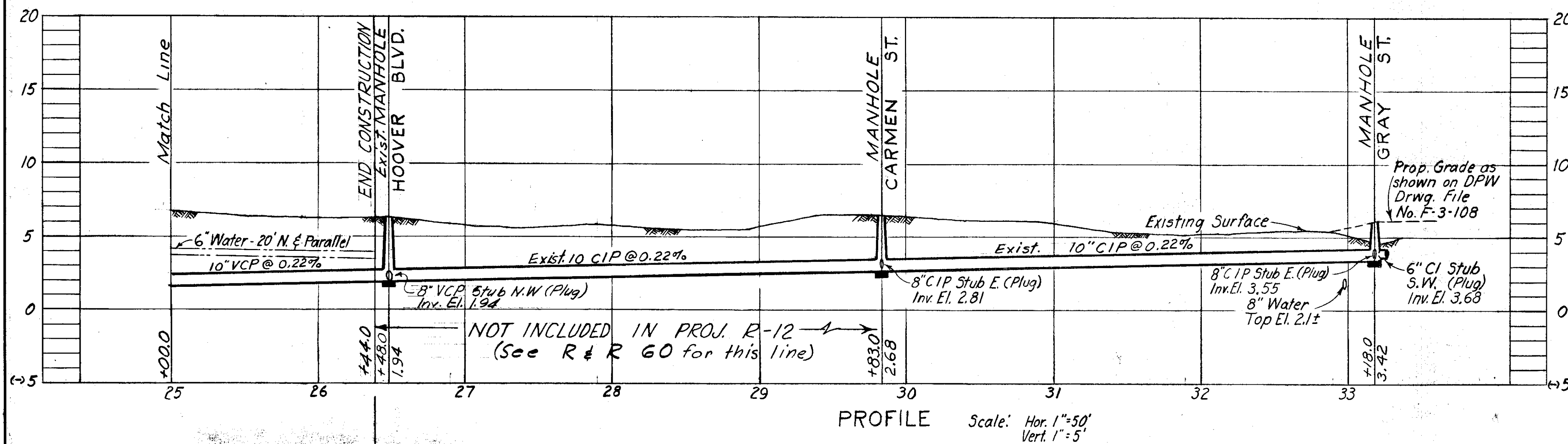
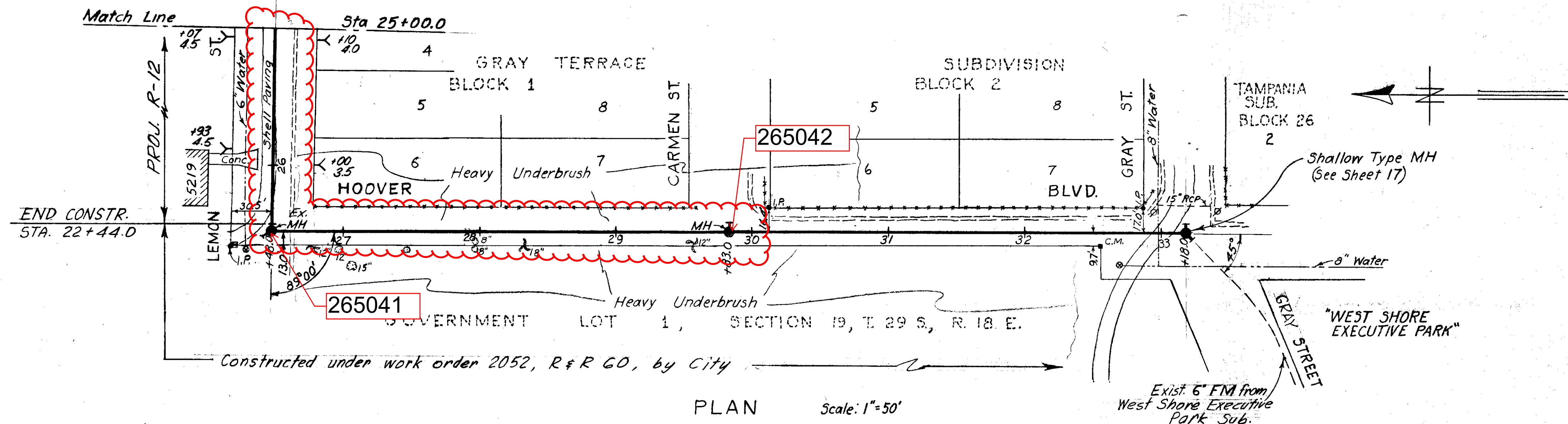
SEC. MAP No.	LINE No.
1 - 8	60

DES: HMS
DRN: HMS
CKD: CMT
DATE: NOV. 1967

SCALE: 50' = 1" = 50'

SHEET 3 OF 18

116-09
116-009



MEMORIAL HIGHWAY CROSSING PROFILE (See Sheet 3 for Plan) 1-8-60 Scale: 1"=10' Horiz. & Vert.

Note: S.R.D. approved crossing as shown hereon - Jan. 29, 1968.

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

Proj. R-12 Design W.O. 1898

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS
116-10
LEMON ST. Sta. 25+00.0 to Hoover Blvd.
HOOVER BLVD. Lemon St. to Gray St. (Not Incl'd)
MEMORIAL HWY. Crossing Detail

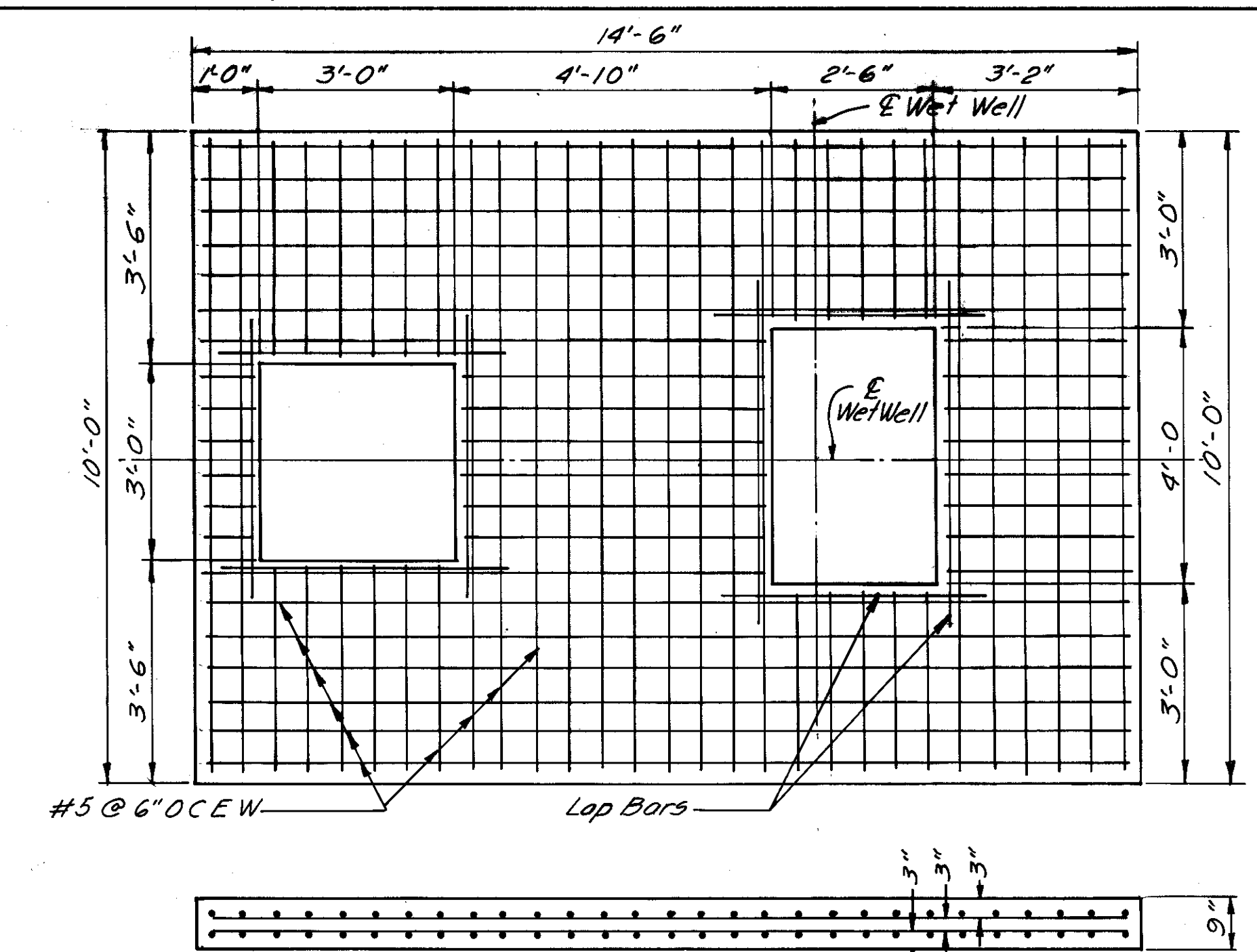
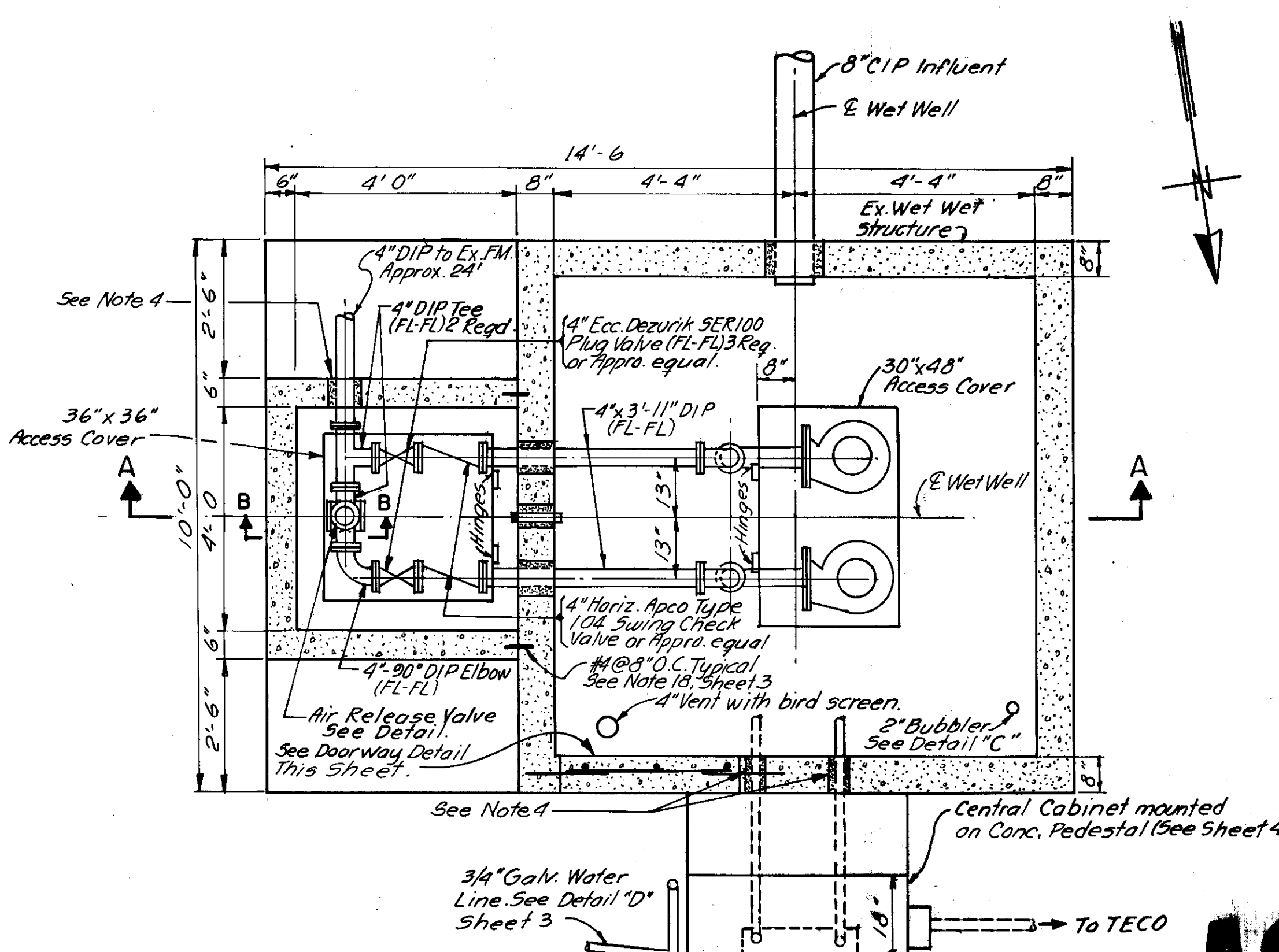
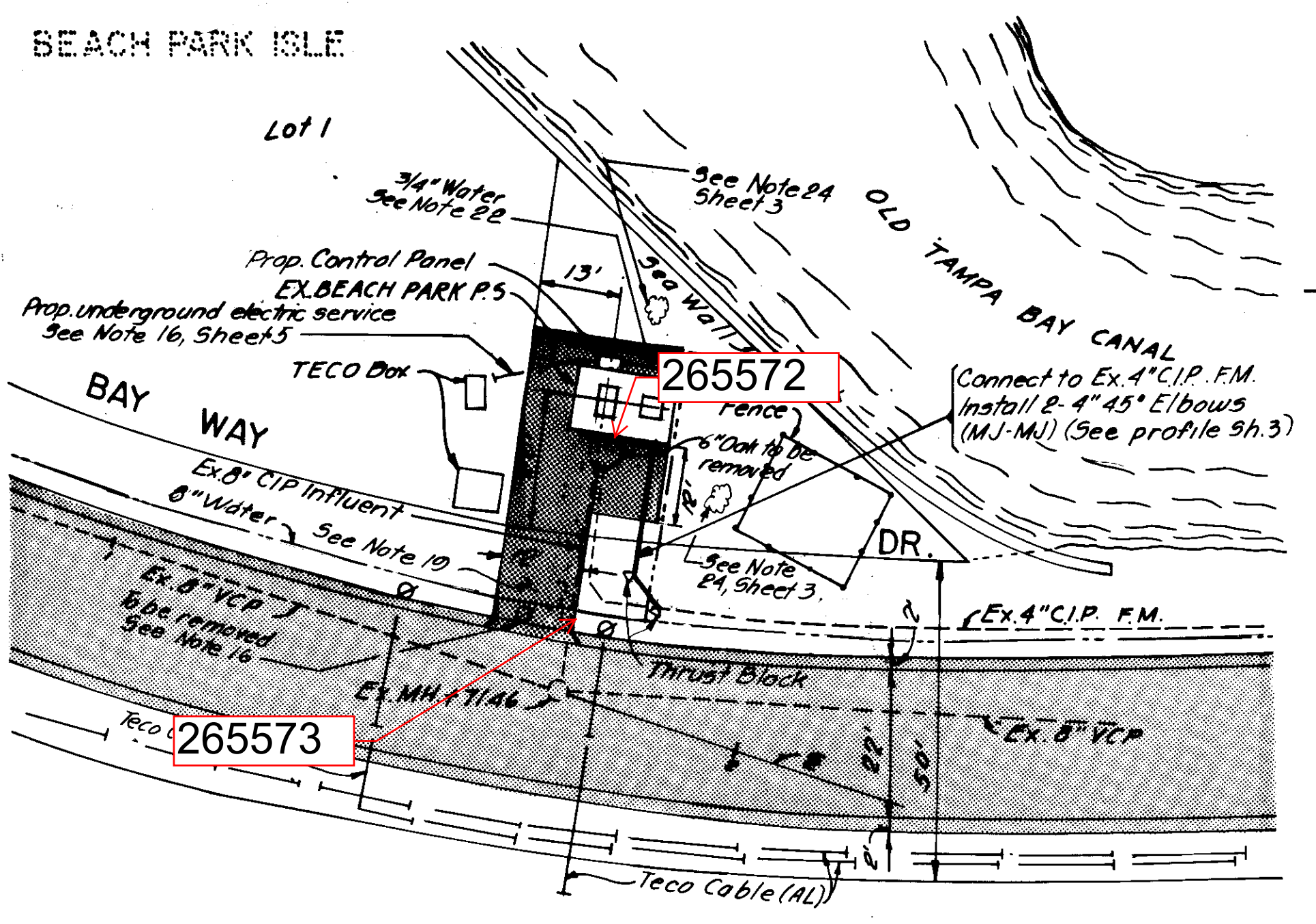
SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
1-8	60
1-8	61

DES: CMS
DRN: HMS
CKD: CMT
DATE
NOV. 1967

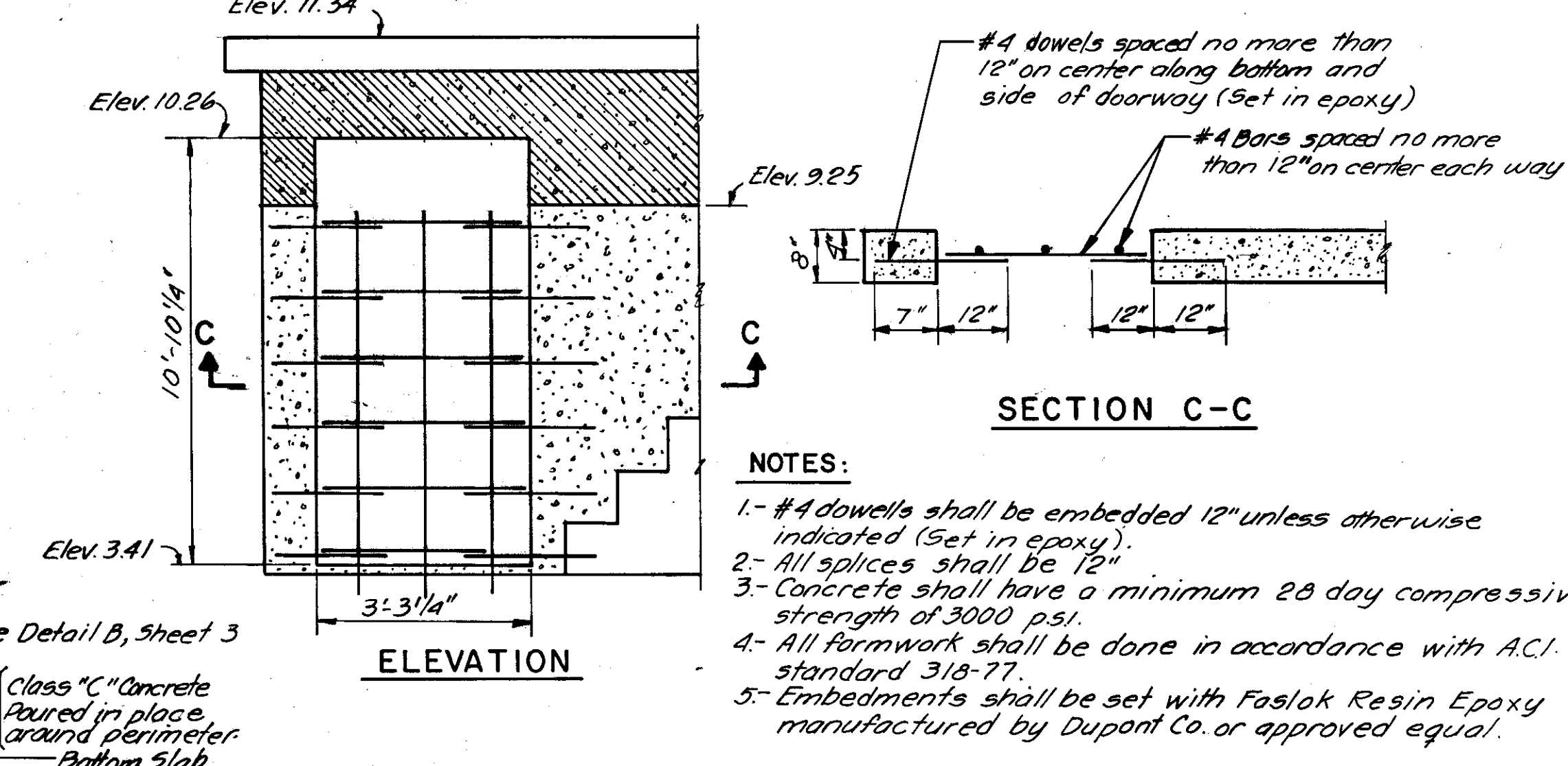
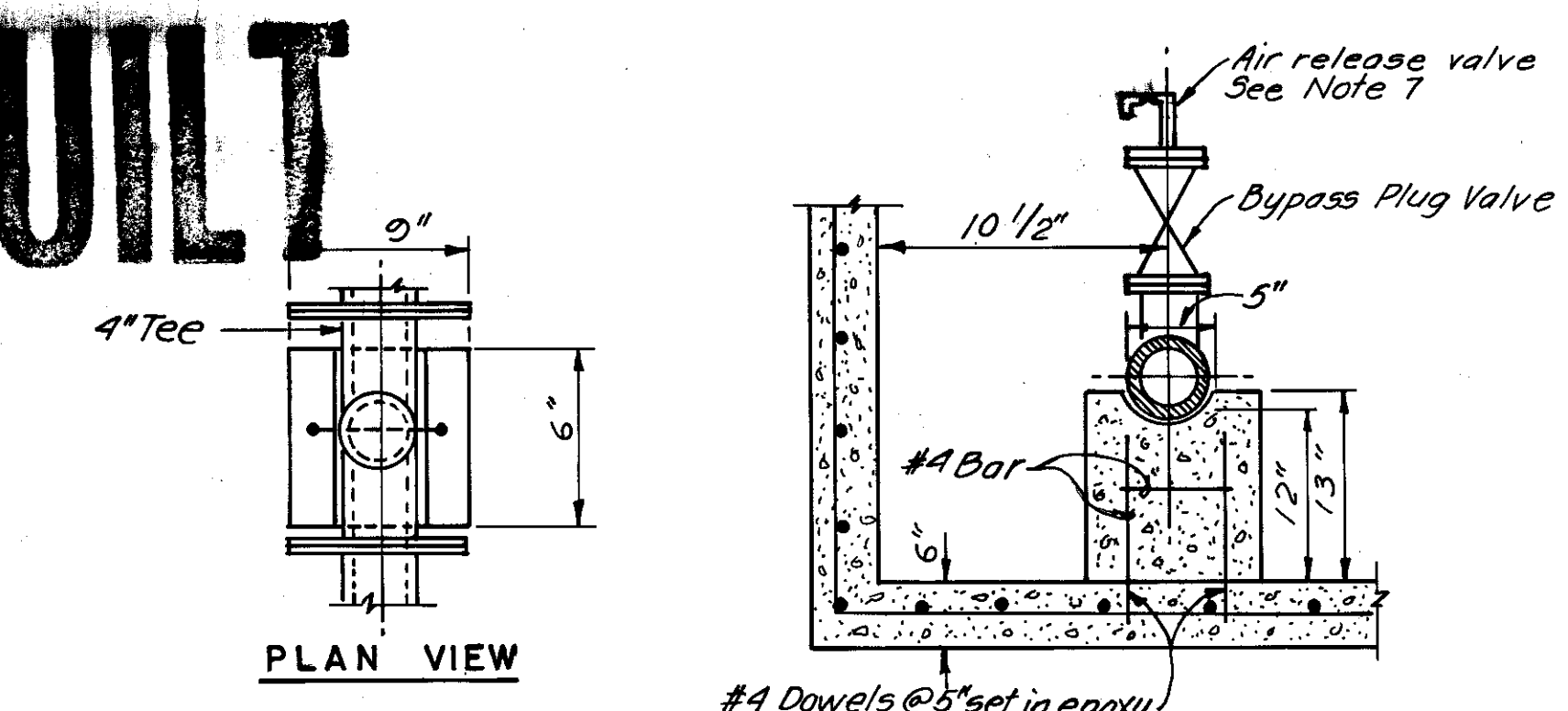
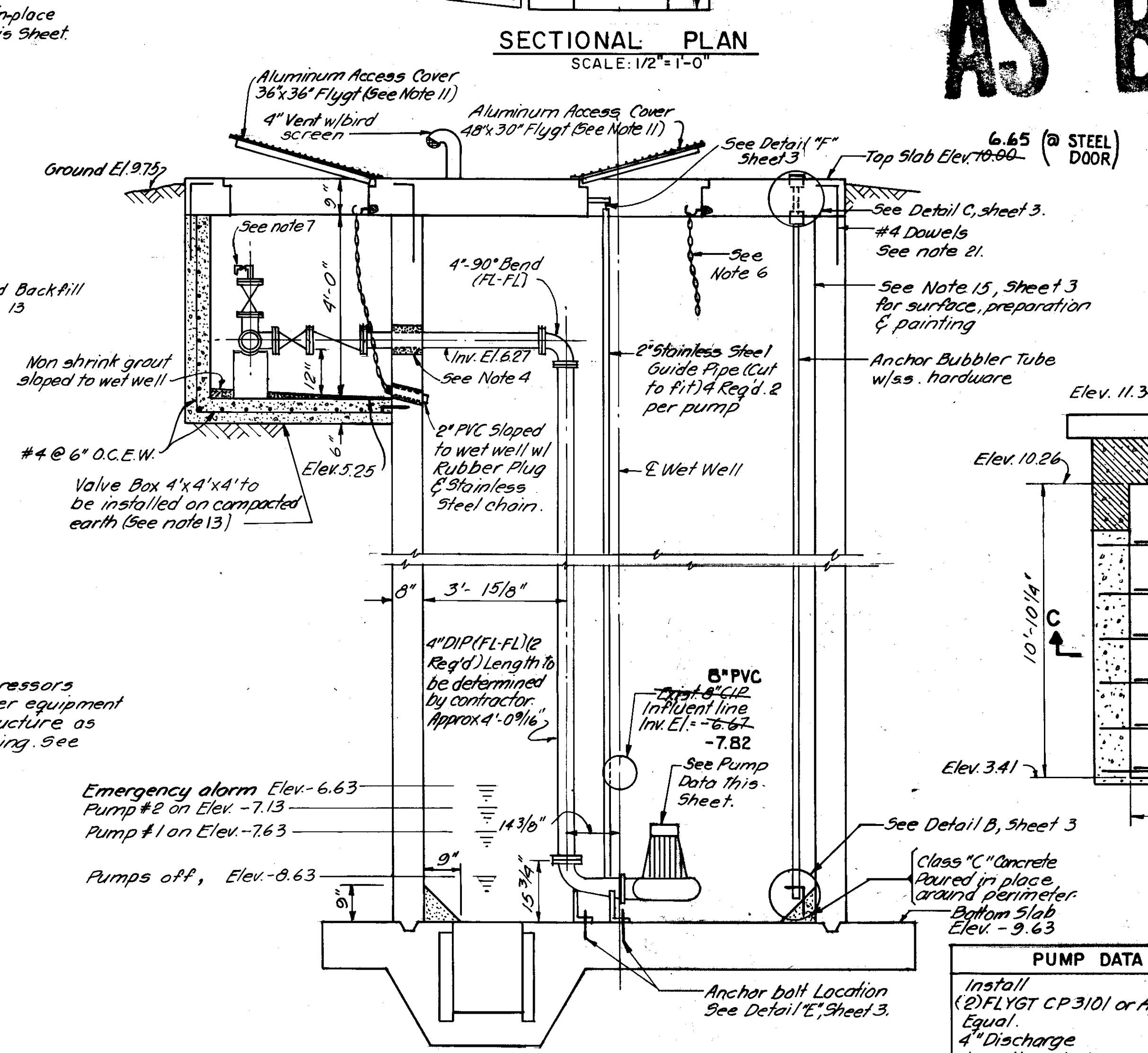
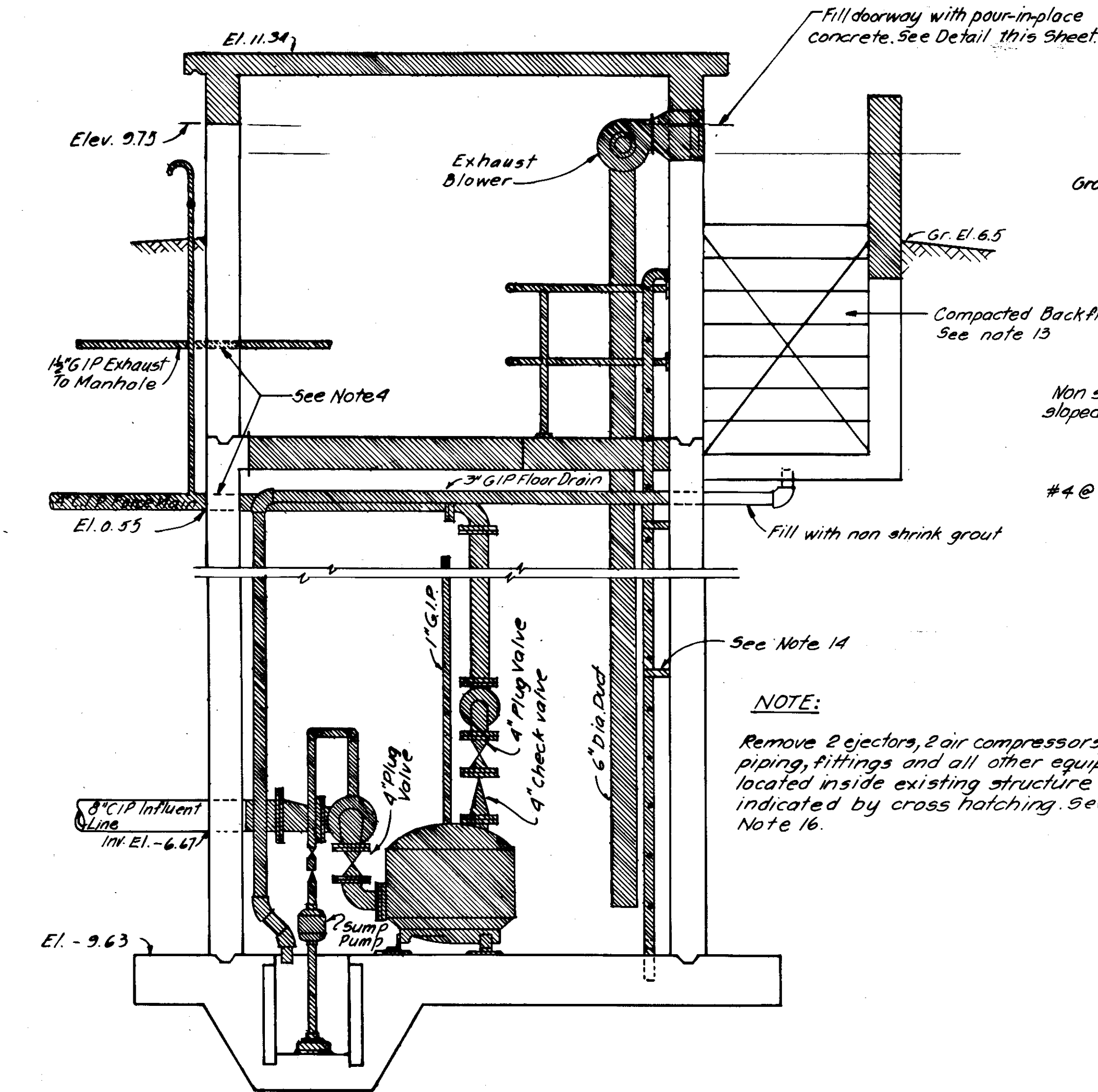
50 0 SCALE: 50

Drain

116-010



AS BUILT



- NOTES:**
- #4 dowels shall be embedded 12" unless otherwise indicated (Set in epoxy).
 - All splices shall be 12"
 - Concrete shall have a minimum 28 day compressive strength of 3000 psi.
 - All formwork shall be done in accordance with A.C.I. standard 318-77.
 - Embedments shall be set with Faslak Resin Epoxy manufactured by Dupont Co. or approved equal.

PUMP DATA

Install (2) FLYGT CP 3101 or Approved Equal.
4" Discharge Impeller No. 435
3 1/2 Hp, 1750 RPM 1700
3 @ 230 volts
1000 GPM @ 47.0 TDH
180.0

DOORWAY DETAIL
N.T.S.

Ralph L. Metcalf II
RALPH L. METCALF II, P.E. #23041
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

DES: H.D.
DRN: E.R.
CKD: RJC
DATE: 6/84

APPROVED BY
E. G. Smith
ELTON G. SMITH, P.E.
DIRECTOR
DEPARTMENT OF SANITARY SEWERS

NO.	DATE	REVISIONS
1	3/98	AS-BUILT PUMP DATA AND ELEV.
2		
3		
4		
5		

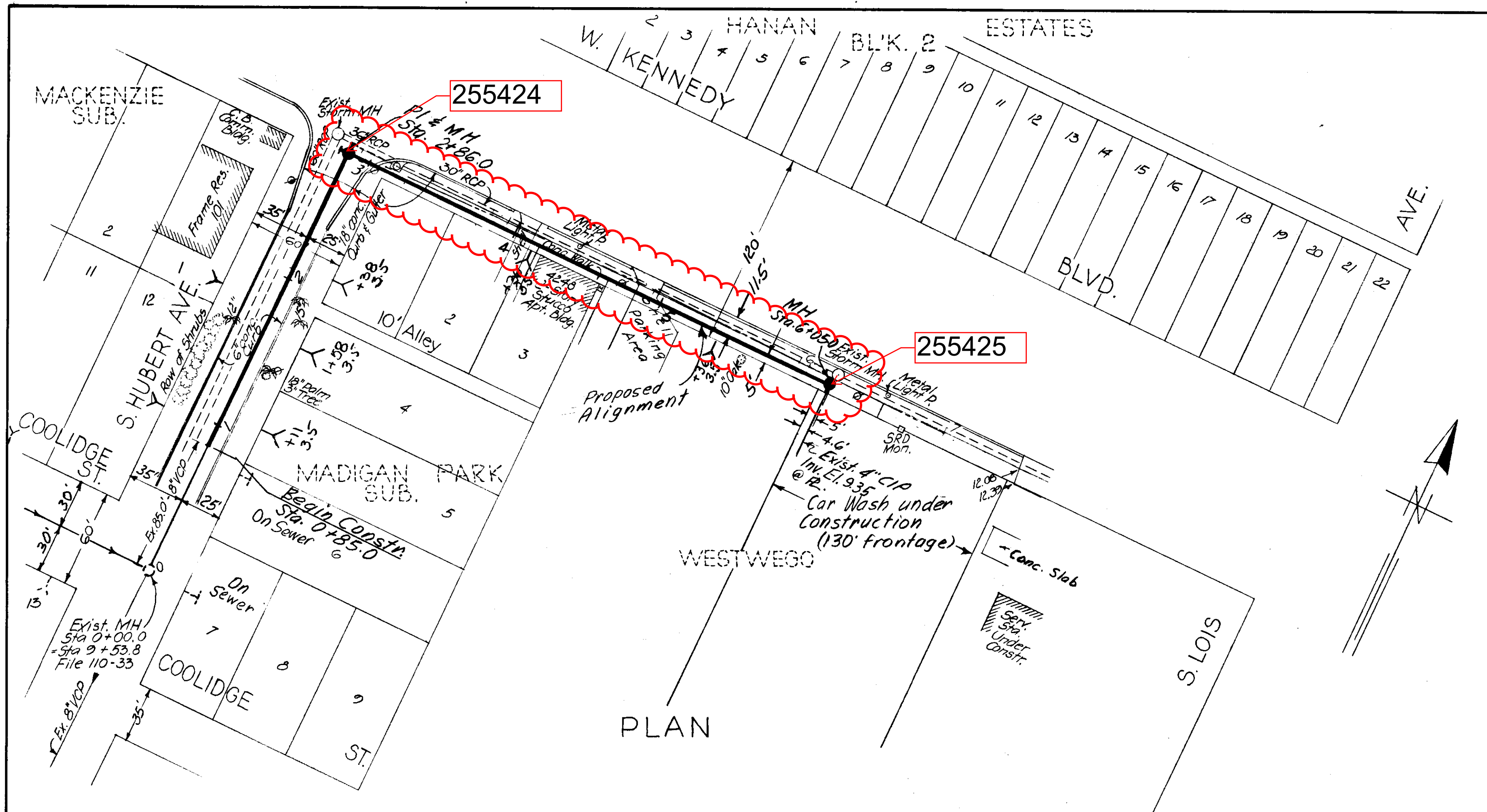
SCALE
AS SHOWN

DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWAGE DISPOSAL SYSTEM

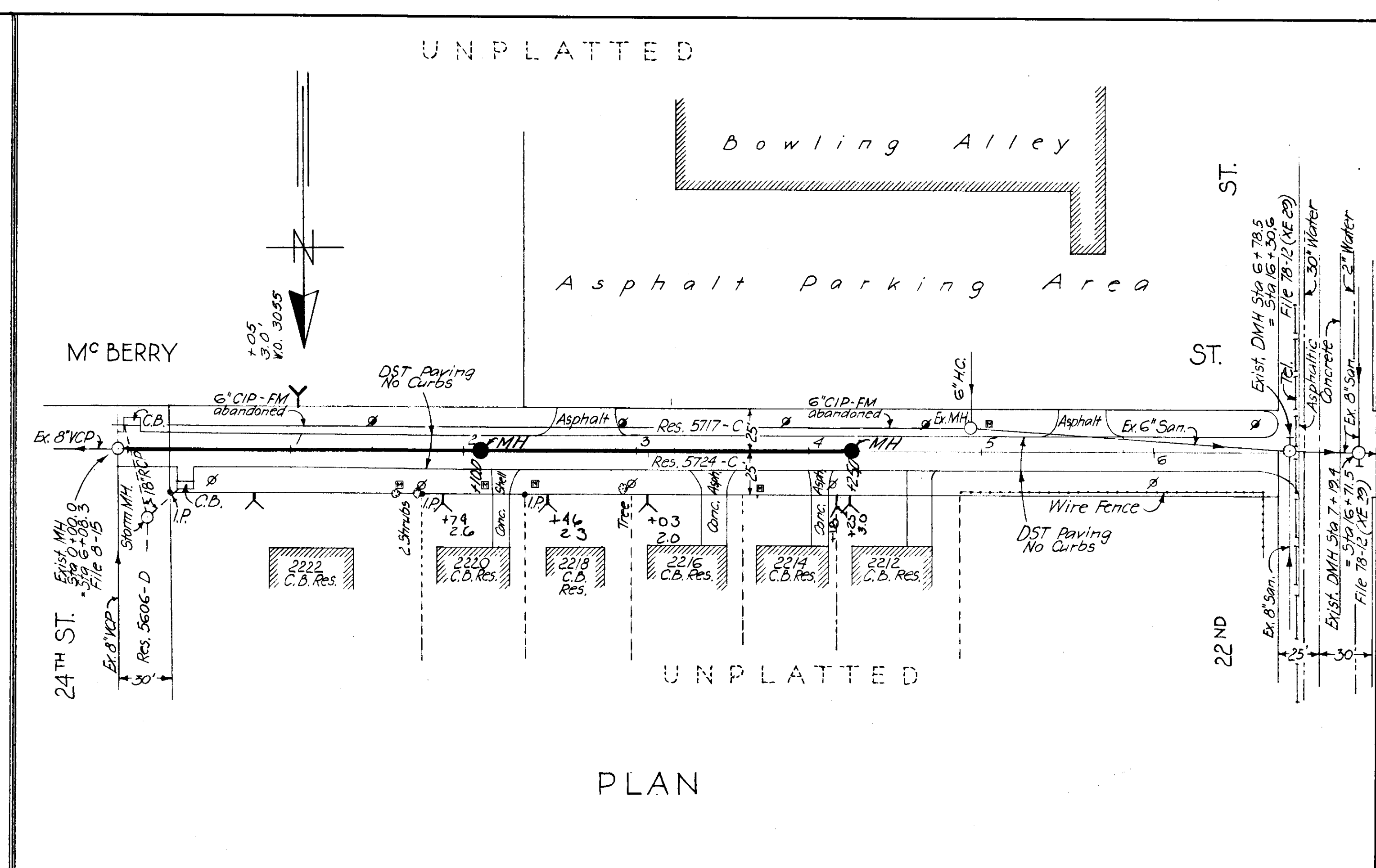
BEACH PARK PUMPING STA.

SHEET
2

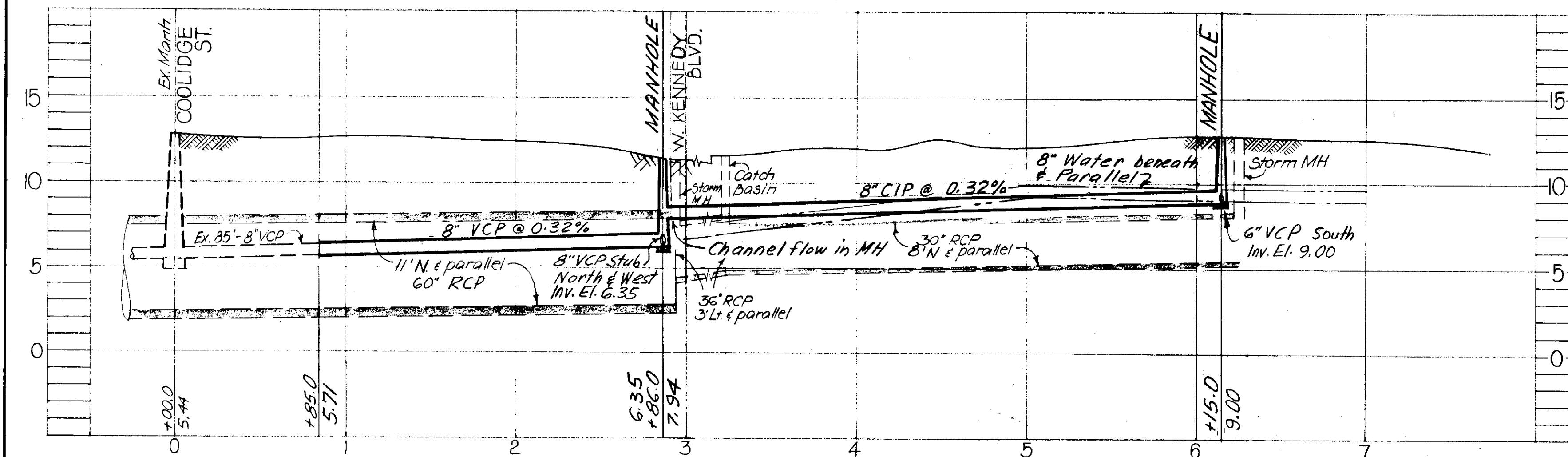
116-031B



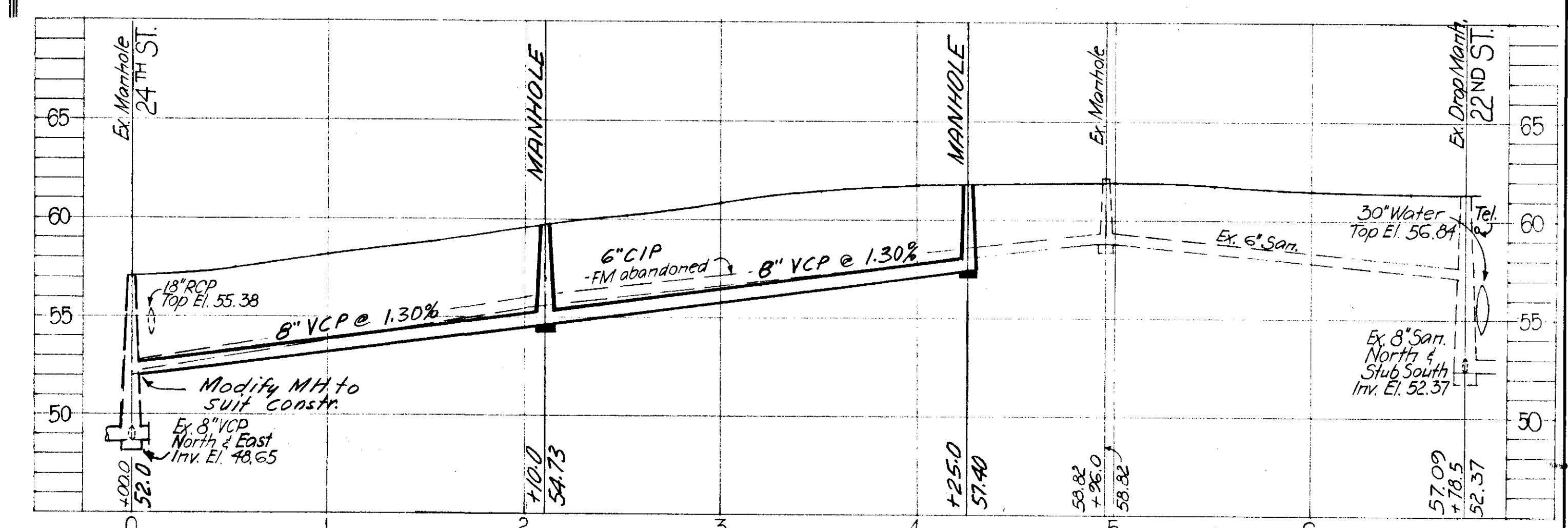
PLAN



PLAN



PROFILE
W.O. 2049
1-9-65



PROFILE
W.O. 2055
F-14-27

NOTES:
1) BM used: Top of Curb @ Northwest Corner of Hubert Ave. & Coolidge St. Elev. 12.983

NOTES:
1) BM used: City BM A-815, Elev. 68.343 in Center Line of Sidewalk on Southside of Hillsborough Ave. 39' ± West of 22nd St.
2) File 78-12 shows for Manhole Sta 6+78.5 Inv. El. North 56.08 instead of 52.37
• South 56.13
• West 53.13

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
1-9	65
F-14	27

R & R 60 W.O. 2049 & 2055

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

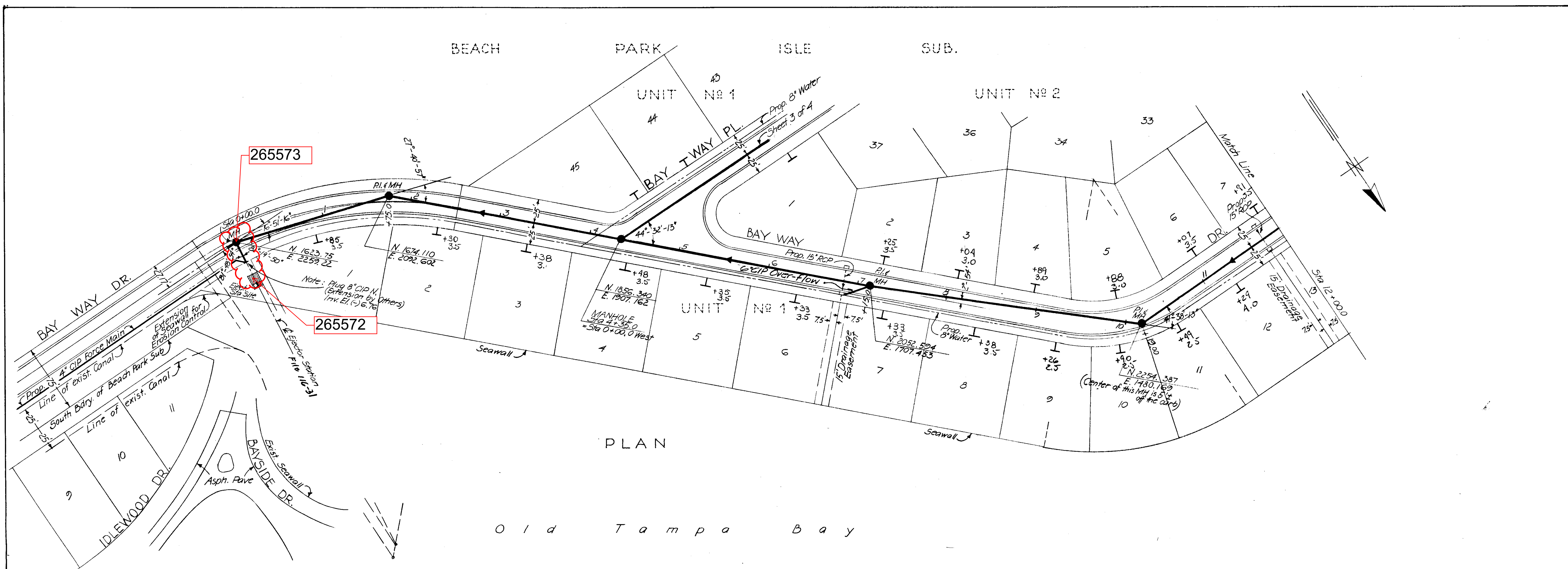
S. HUBERT AVE.: Coolidge St. to J.F. Kennedy Blvd.
W. J.F. KENNEDY BLVD.: S. Hubert Ave. to E. 319'
MC BERRY ST.: 24th St. to 22nd St.

DES: H. K.
DRN: H. K.
CKD: C. T.
DATE: JAN. 1968

50 0 SCALE: 50 100
1" = 50'

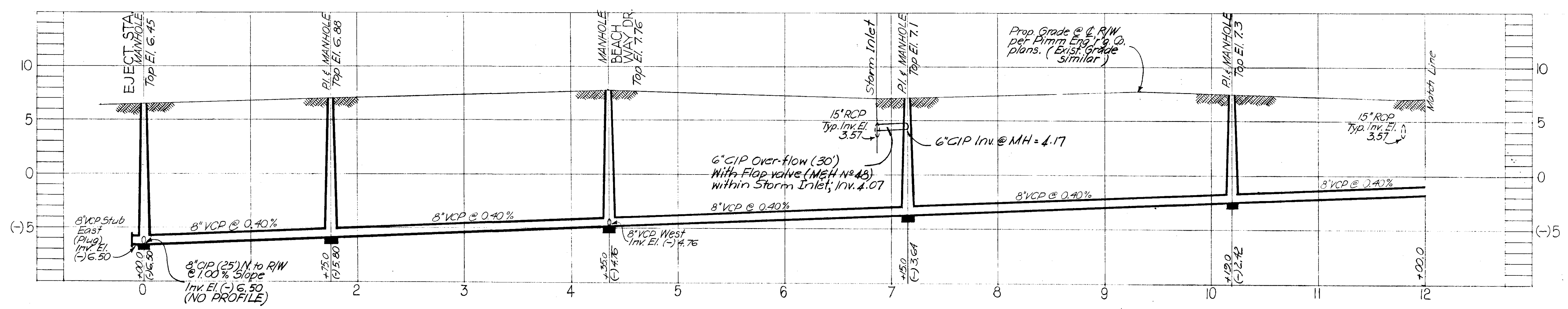
22
OF 28

Drainage Districts A2 & A10



PLAN

Old Tampa Bay



PROFILE
J-8-37

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
J - 8	37

FOR DEPARTMENT OF SANITARY SEWERS
 REC'D *C. M. Thomas* DATE 4-1-68
 APPROVED *[Signature]* SUPERINTENDENT
 FOR J. E. GREINER COMPANY
 APPROVED *[Signature]* DATE 10-20-68
 FOR WHELAN AND SINGLETON
 APPROVED *[Signature]*

Resol. No. 3225-E W.O. 2036

CITY OF TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWER IMPROVEMENTS

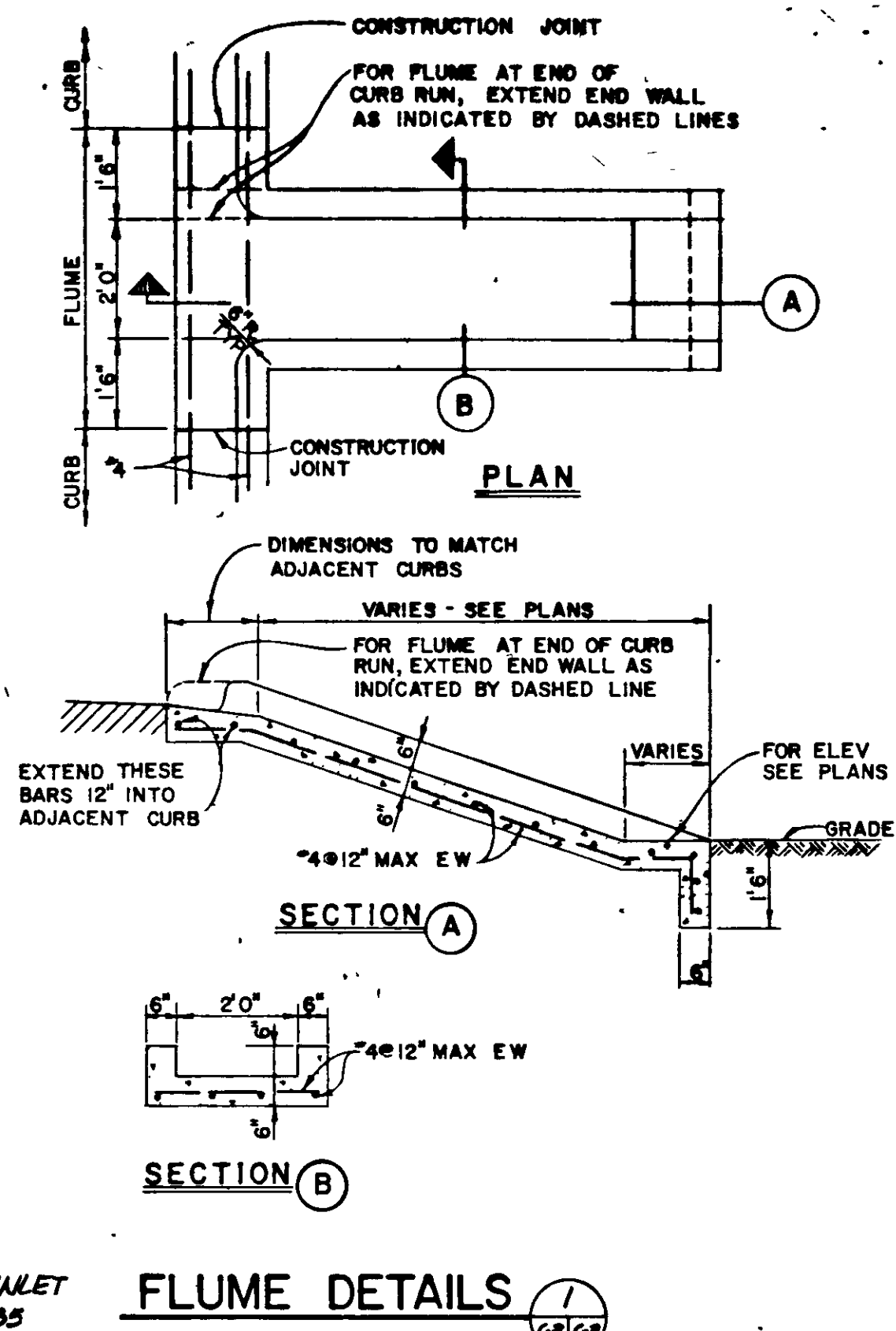
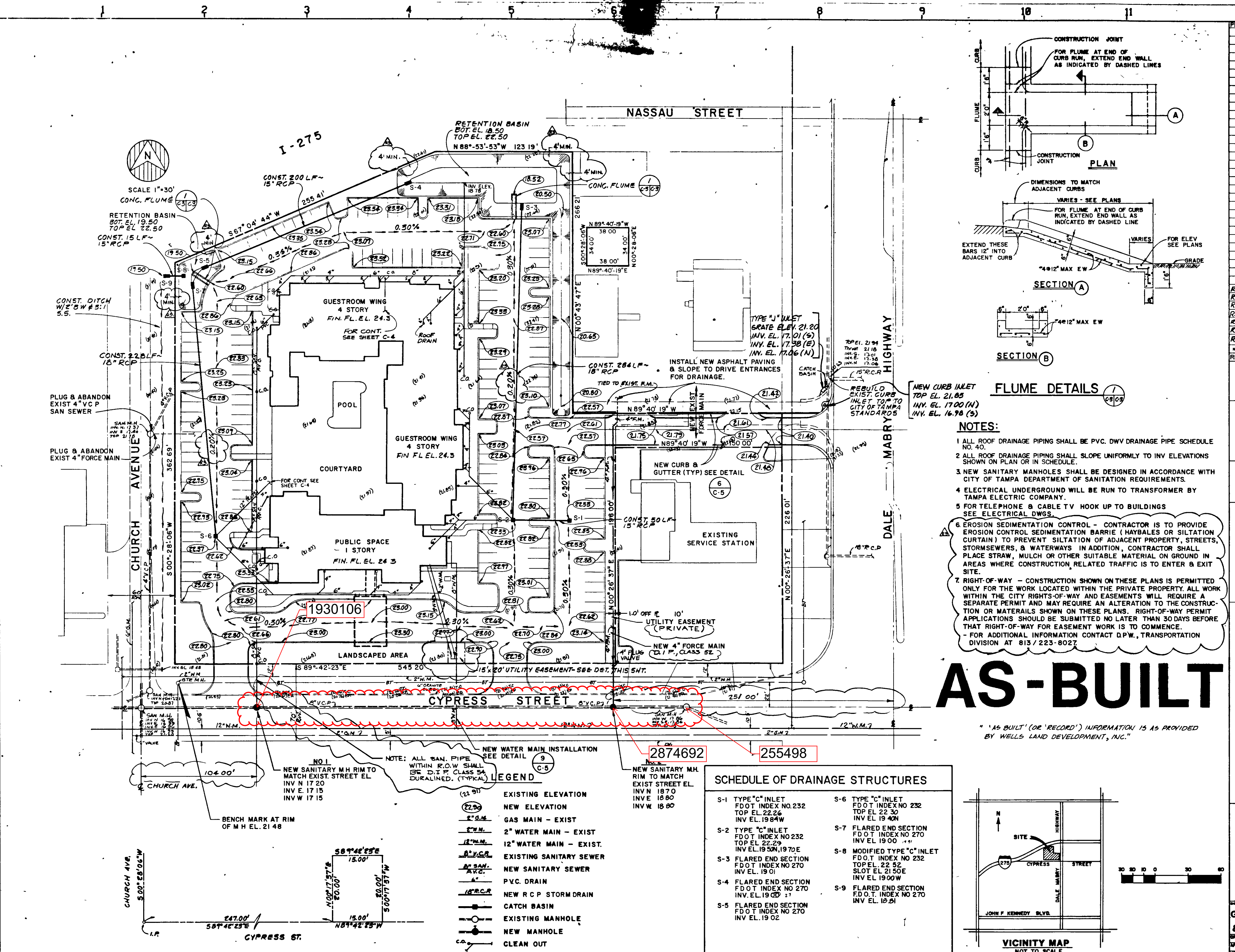
BEACH PARK ISLE SUBDIVISION
 BAY WAY DR.: Ejector Station (0+00.0) to
 Sta. 12+00.0

DES: H. K. DRN: H. K. CKD: C. M. T. DATE: FEB. 1968

50 0 SCALE: 50 100
 1" = 50'

SHEET 1 OF 4

117-025



- NOTES:**
- 1 ALL ROOF DRAINAGE PIPING SHALL BE PVC DWV DRAINAGE PIPE SCHEDULE NO. 40.
 - 2 ALL FLOOR DRAINAGE PIPING SHALL SLOPE UNIFORMLY TO INV ELEVATIONS SHOWN ON PLAN OR IN SCHEDULE.
 - 3 NEW SANITARY MANHOLES SHALL BE DESIGNED IN ACCORDANCE WITH CITY OF TAMPA DEPARTMENT OF SANITATION REQUIREMENTS.
 - 4 ELECTRICAL UNDERGROUND WILL BE RUN TO TRANSFORMER BY TAMPA ELECTRIC COMPANY.
 - 5 FOR TELEPHONE & CABLE TV HOOK UP TO BUILDINGS SEE ELECTRICAL DWGS.
 - 6 EROSION SEDIMENTATION CONTROL - CONTRACTOR IS TO PROVIDE EROSION CONTROL SEDIMENTATION BARRIER (HAYBALES OR SILTATION CURTAIN) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORMSEWERS, & WATERWAYS. IN ADDITION, CONTRACTOR SHALL PLACE STRAW, MULCH OR OTHER SUITABLE MATERIAL ON GRASS IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER & EXIT SITE.
 - 7 RIGHT-OF-WAY - CONSTRUCTION SHOWN ON THESE PLANS IS PERMITTED ONLY FOR THE WORK LOCATED WITHIN THE PRIVATE PROPERTY. ALL WORK WITHIN THE CITY RIGHTS-OF-WAY AND EASEMENTS WILL REQUIRE A SEPARATE PERMIT AND MAY REQUIRE AN ALTERATION TO THE CONSTRUCTION OR MATERIALS SHOWN ON THESE PLANS. RIGHT-OF-WAY PERMIT APPLICATIONS SHOULD BE SUBMITTED NO LATER THAN 30 DAYS BEFORE THAT RIGHT-OF-WAY FOR EASEMENT WORK IS TO COMMENCE.
- FOR ADDITIONAL INFORMATION CONTACT D.P.W., TRANSPORTATION DIVISION AT 813 / 223-8027

AS-BUILT

"AS BUILT" (OR "RECORD") INFORMATION IS AS PROVIDED BY WELLS LAND DEVELOPMENT, INC.

SCHEDULE OF DRAINAGE STRUCTURES	
S-1 TYPE "C" INLET F.D.O.T. INDEX NO. 232 TOP EL. 22.26 INV. EL. 19.84W	S-6 TYPE "C" INLET F.D.O.T. INDEX NO. 232 TOP EL. 22.30 INV. EL. 19.40N
S-2 TYPE "C" INLET F.D.O.T. INDEX NO. 232 TOP EL. 22.29 INV. EL. 19.50N, 19.70E	S-7 FLARED END SECTION F.D.O.T. INDEX NO. 270 INV. EL. 19.00
S-3 FLARED END SECTION F.D.O.T. INDEX NO. 270 INV. EL. 19.01	S-8 MODIFIED TYPE "C" INLET F.D.O.T. INDEX NO. 232 TOP EL. 22.52 SLOT EL. 21.50E INV. EL. 19.00W
S-4 FLARED END SECTION F.D.O.T. INDEX NO. 270 INV. EL. 19.00	S-9 FLARED END SECTION F.D.O.T. INDEX NO. 270 INV. EL. 19.01
S-5 FLARED END SECTION F.D.O.T. INDEX NO. 270 INV. EL. 19.02	

LEGEND

- (22.26) EXISTING ELEVATION
- (22.26) NEW ELEVATION
- 2" S.M. GAS MAIN - EXIST
- 2" W.M. 2" WATER MAIN - EXIST
- 12" W.M. 12" WATER MAIN - EXIST
- 18" S.C.R. EXISTING SANITARY SEWER
- 18" S.C.R. NEW SANITARY SEWER
- 4" P.V.C. P. V.C. DRAIN
- 18" R.C.P. NEW R.C.P. STORM DRAIN
- CATCH BASIN
- EXISTING MANHOLE
- NEW MANHOLE
- CLEAN OUT
- BURIED TELEPHONE CABLE
- 4" F.M. NEW FORCE MAIN
- EXIST. STORM DRAIN

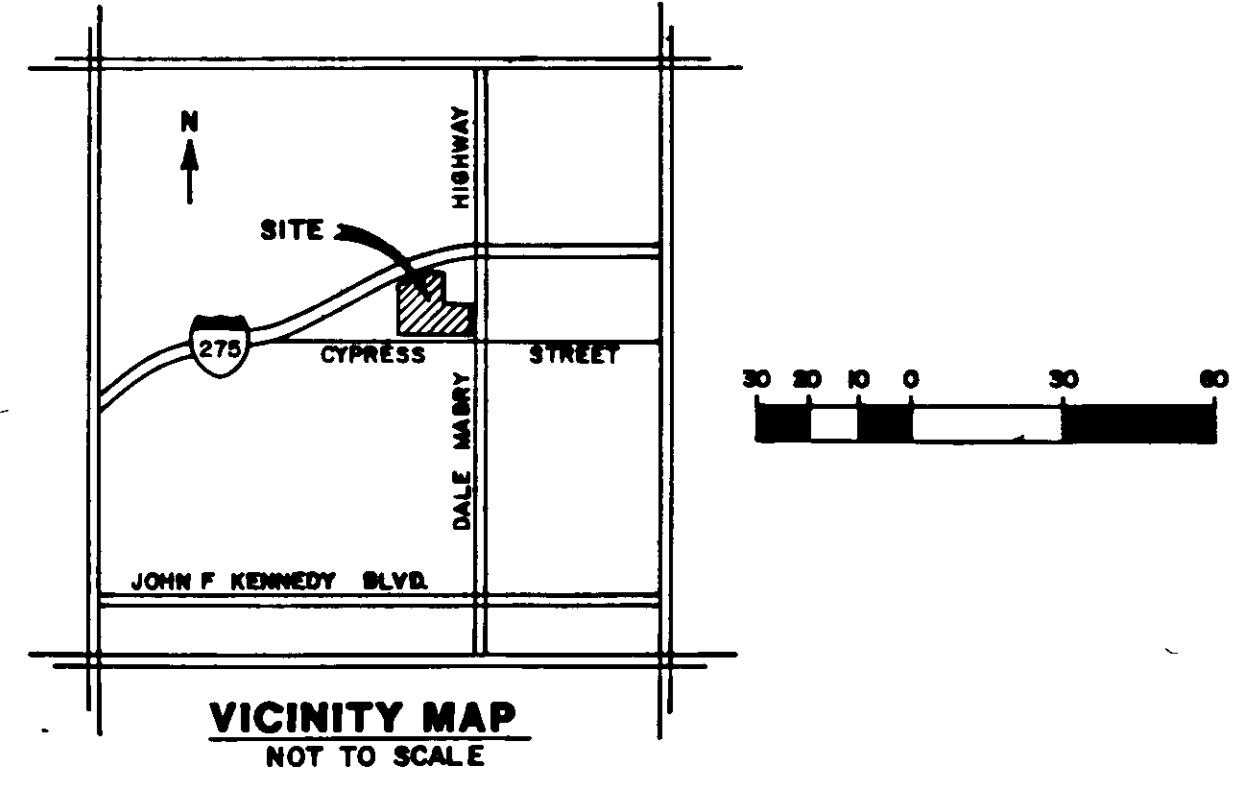
NOTE: ALL SAN. PIPE WITHIN R.O.W. SHALL BE D.I.P. CLASS SA DURALINED. (TYPICAL)

NO. 1 NEW SANITARY M.H. RIM TO MATCH EXIST. STREET EL.
INV. N. 17.20
INV. E. 17.15
INV. W. 17.15

NEW WATER MAIN INSTALLATION SEE DETAIL 9 C-5

NEW SANITARY M.H. RIM TO MATCH EXIST. STREET EL.
INV. N. 18.70
INV. E. 18.80
INV. W. 18.80

DETAIL - EASEMENT FOR DETECTOR CHECK VALVE
NTS



PRINTS ISSUED

R41 AS BUILT	12/16/08 DMH
R3 SCOPED	12/16/08 DMH
R31 ADD NOTES	4/17/13/08 DMH
R2 ADDITIONAL	12/16/08 DMH
R1 ADDITIONAL	12/16/08 DMH

REVISIONS

ALL DIMENSIONS MUST BE CHECKED ON THE JOB BY THE CONTRACTOR

ALL PRINTS AND SPECIFICATIONS ARE THE PROPERTY OF THE OWNER AND MUST BE RETURNED UPON COMPLETION OF THE WORK

RS&H
Reynolds, Smith and Hills
Architects • Engineers • Planners • Interiors

COURTYARD
by **Stantec**

TAMPA
HILLSBOROUGH COUNTY, FLORIDA

Marriott
corporation

INTERNATIONAL HEADQUARTERS
MARSHALL DRIVE
WASHINGTON, D.C. 20008

GRADING, DRAINAGE & UTILITIES PLAN

DATE: 12-16-08
SCALE: A.S.
JOB NO: 08-05-05
DATE: 12-16-08

P117-29A/B/C/D 117-029A

STATION EQUATION:
 MH Sta. 3+43.0 South
 = MH Sta. 0+00.0 North (Sheet 2 of 2)

BLVD. (SR No 587)
 Proposed 19' x 30' RCP
 Proposed 24' x 36' RCP

EVERETT ST.
 Exist. MH 10" Grav. Inv. El. (+) 3.0

WEST SHORE
 Exist. Manhole Begin Constr. Sta. 0+00.0 East = Sta. 17+73.0 South (File No 99-6)

WEST SHORE
 Exist. 8" VCP Gravity

WEST SHORE
 PRM Flagged in Field 1/30/69

WEST SHORE
 PRM established in Field 1/30/69

WEST SHORE
 PRM

WEST SHORE
 PI # MH Sta. 16+00

WEST SHORE
 PI # MH Sta. 16+00

WEST SHORE
 PI # MH Sta. 16+00

WEST SHORE
 PI # MH Sta. 16+00

WEST SHORE
 PI # MH Sta. 16+00

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 PI # MH Sta. 16+00

WEST SHORE
 PI # MH Sta. 16+00

WEST SHORE
 PI # MH Sta. 16+00

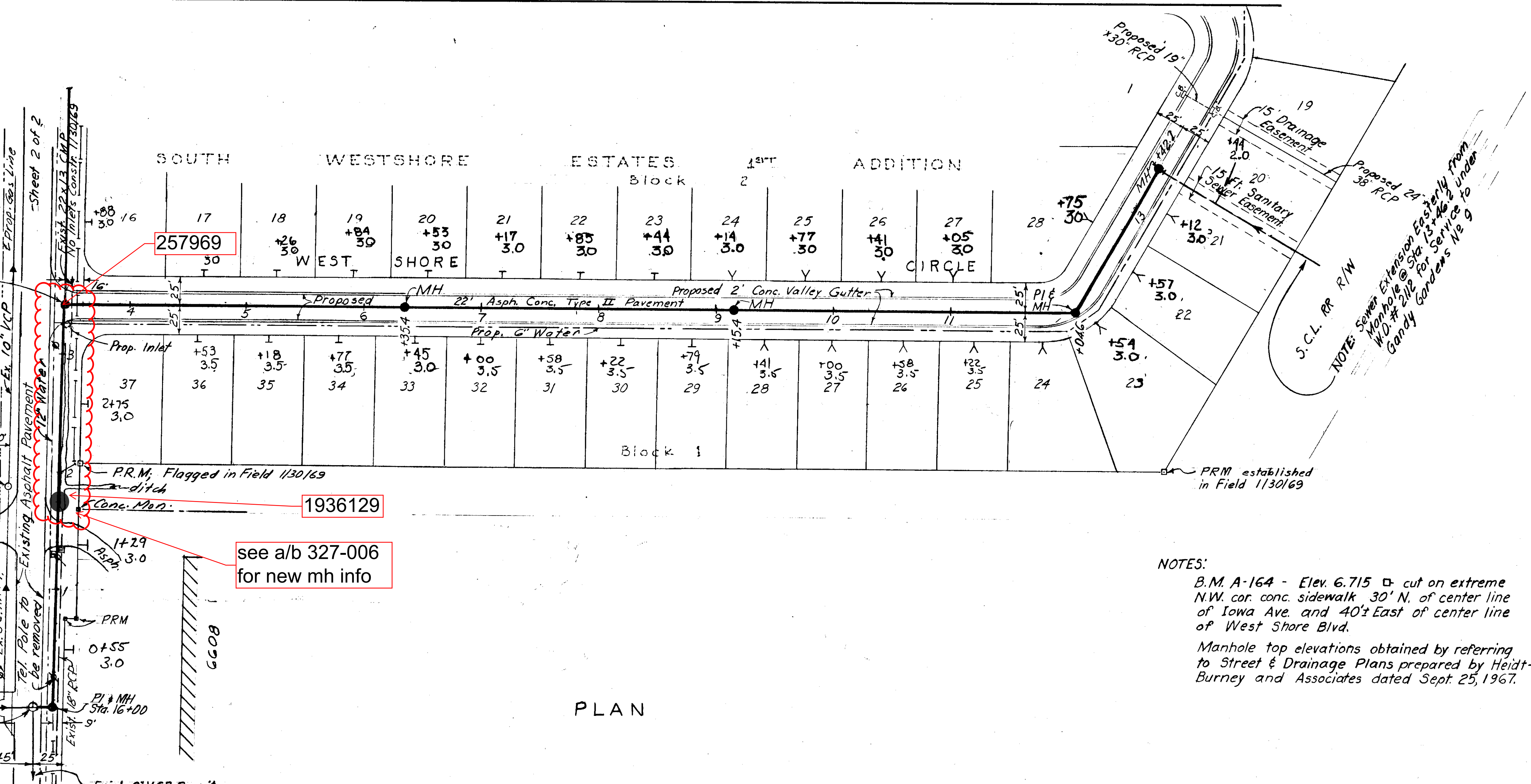
WEST SHORE
 PI # MH Sta. 16+00

WEST SHORE
 PI # MH Sta. 16+00

WEST SHORE
 PI # MH Sta. 16+00

WEST SHORE
 PI # MH Sta. 16+00

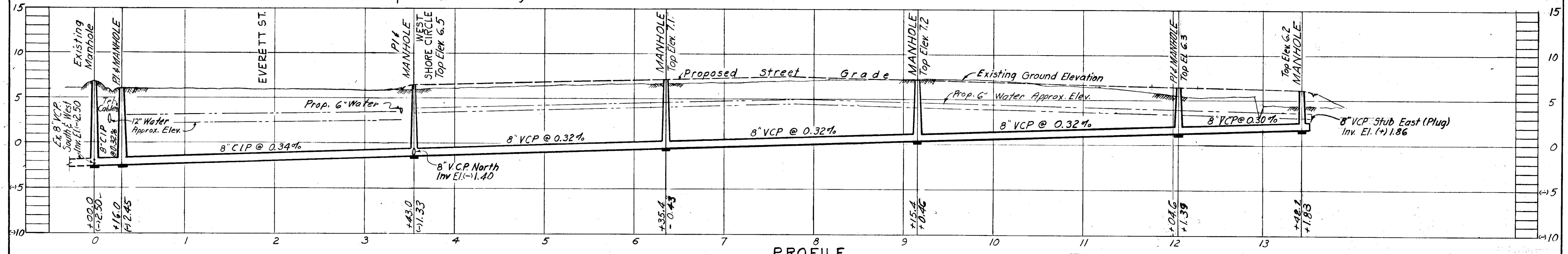
WEST SHORE
 PI # MH Sta. 16+00



NOTES:
 B.M. A-164 - Elev. 6.715 - cut on extreme N.W. cor. conc. sidewalk 30' N. of center line of Iowa Ave. and 40' East of center line of West Shore Blvd.
 Manhole top elevations obtained by referring to Street & Drainage Plans prepared by Heidt-Burney and Associates dated Sept. 25, 1967.

see a/b 327-006 for new mh info

PLAN



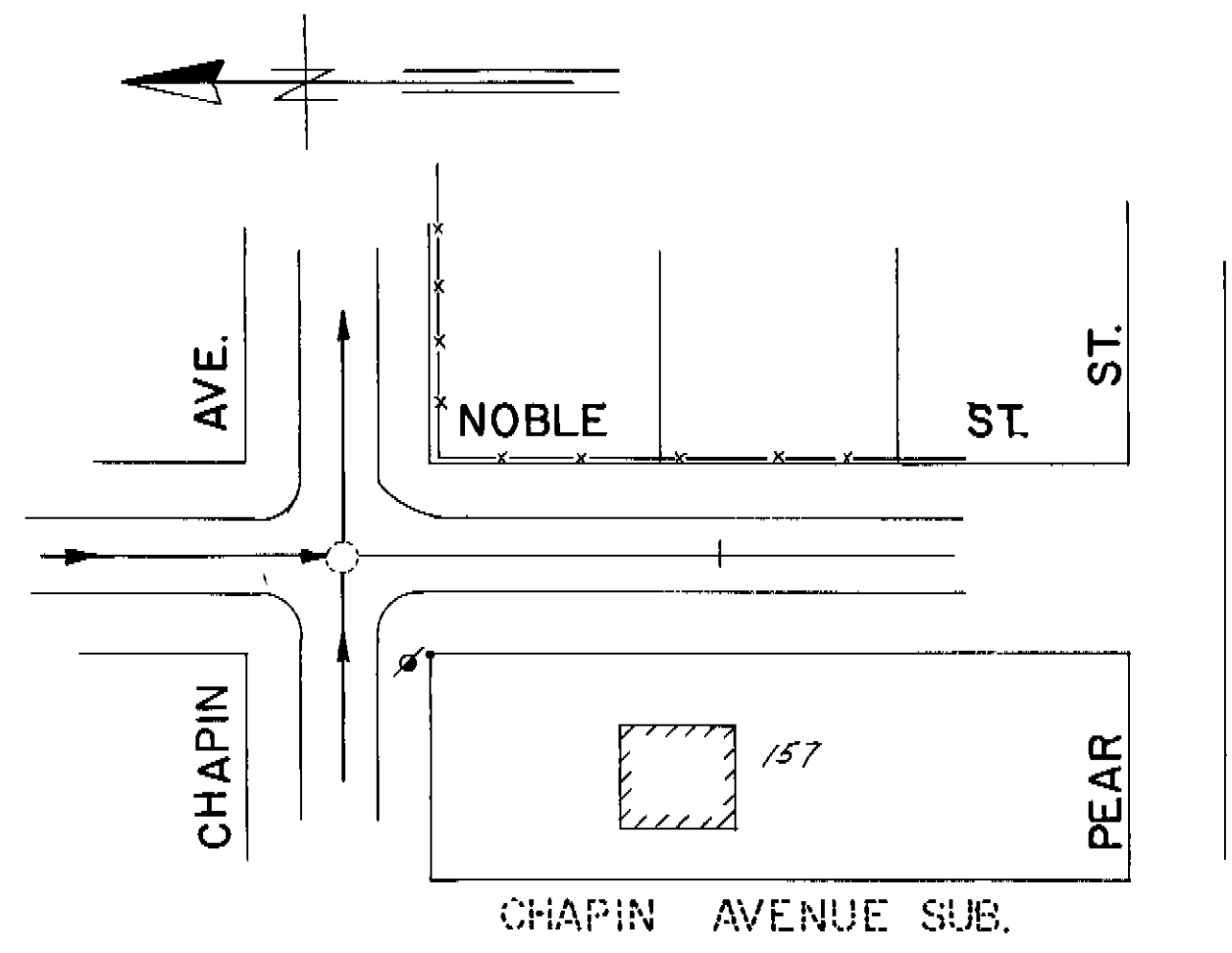
PROFILE

Rev. 1-7-69
 - N. Shore Blvd. Only
 SEWER LINE LOCATION
 SEC. 8-1-69 TIME No.
 N-8 27

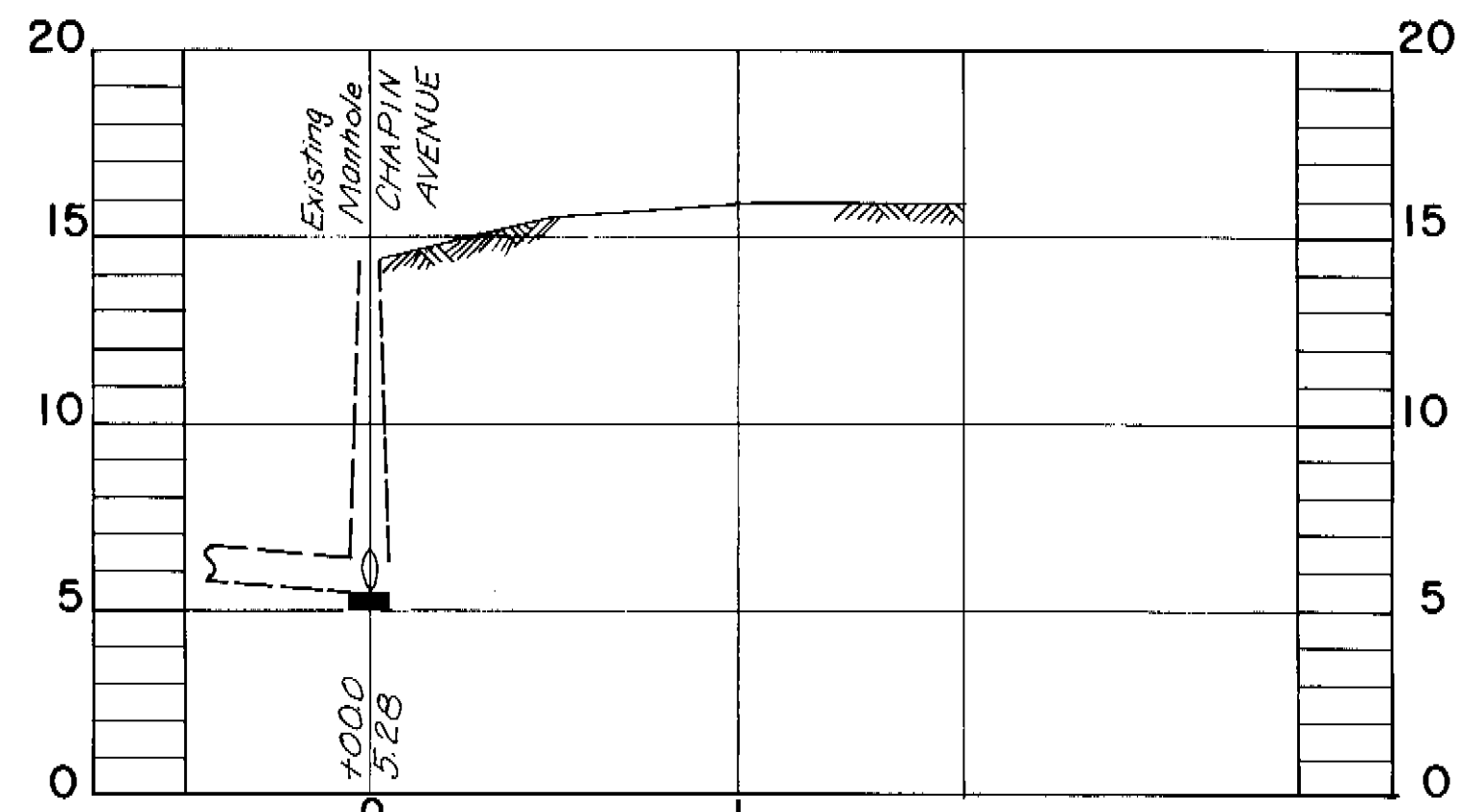
Resol. No 4656-E W.O. 2109
 FOR DEPARTMENT OF SANITARY SEWERS
 REC'D. C.M. Flinn DATE 2/17/69
 APPROVED SUPERINTENDENT DATE
 APPROVED DATE
 APPROVED DATE

CITY OF TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWER IMPROVEMENTS
 119-15
 SOUTH WESTSHORE ESTATES SUB.
 (FIRST ADDITION)
 DES: HMS
 DRN: HMS
 CKD: CMT
 Date: Jan. 1969
 Scale: 1" = 50'
 Drainage District B
 SHEET 1 OF 2

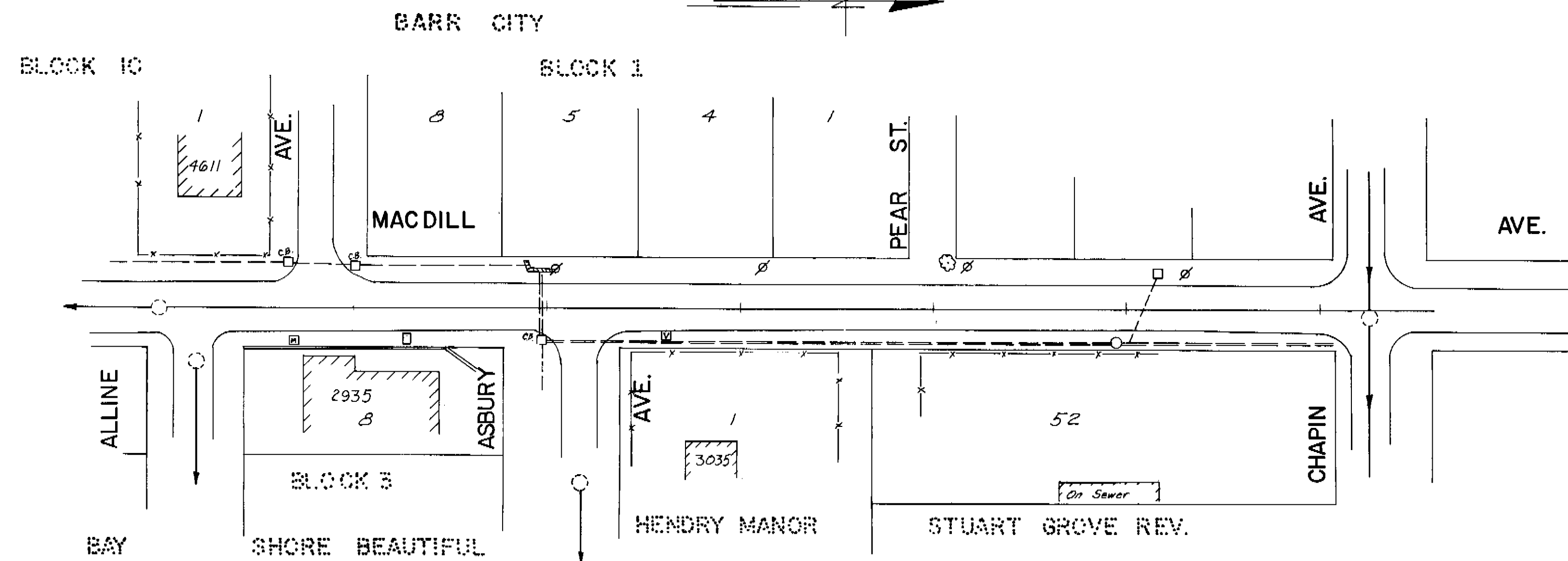
119-015



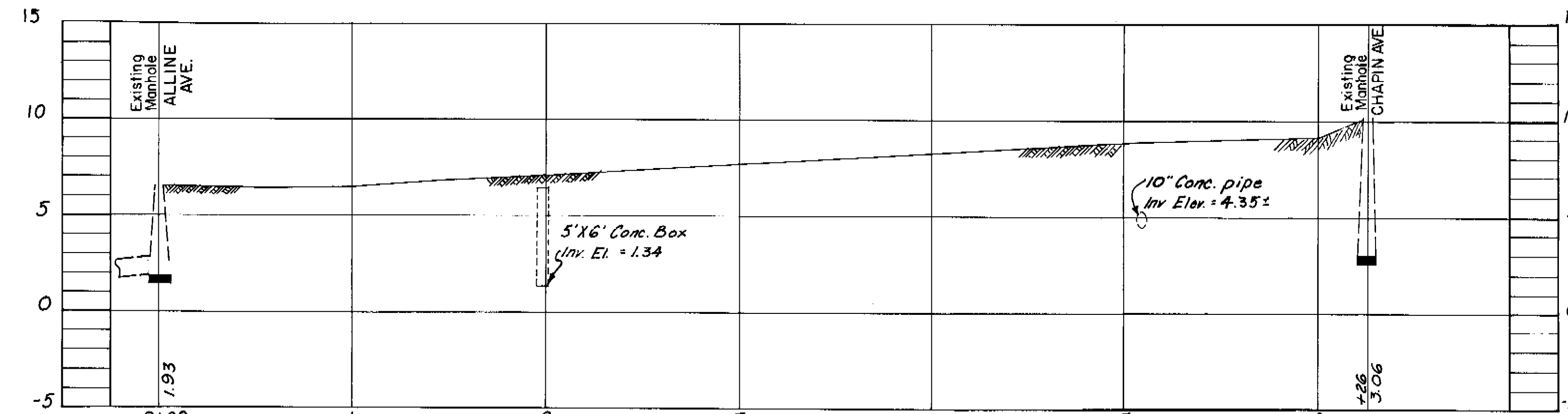
PLAN Not Built



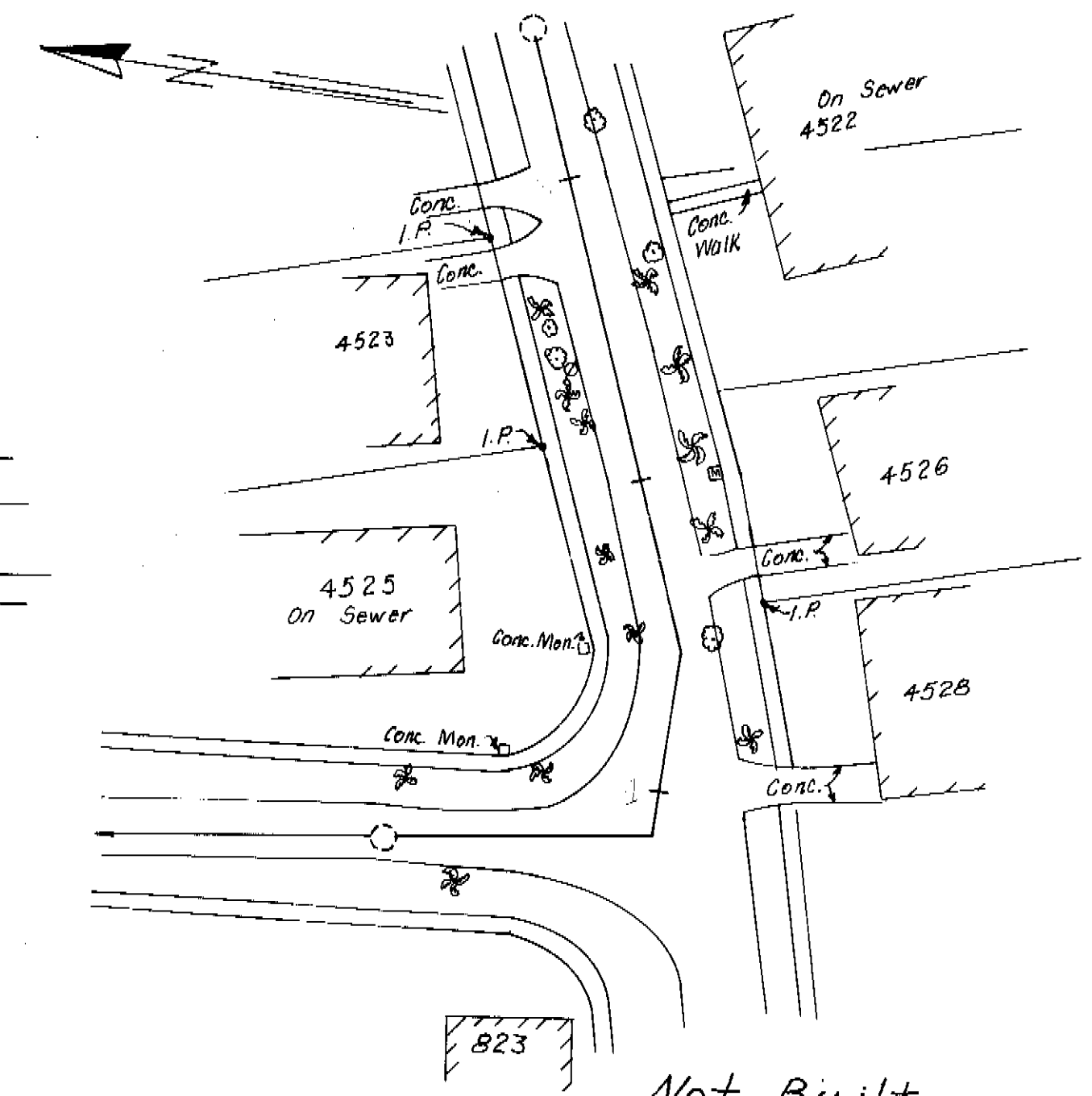
PROFILE W.O.



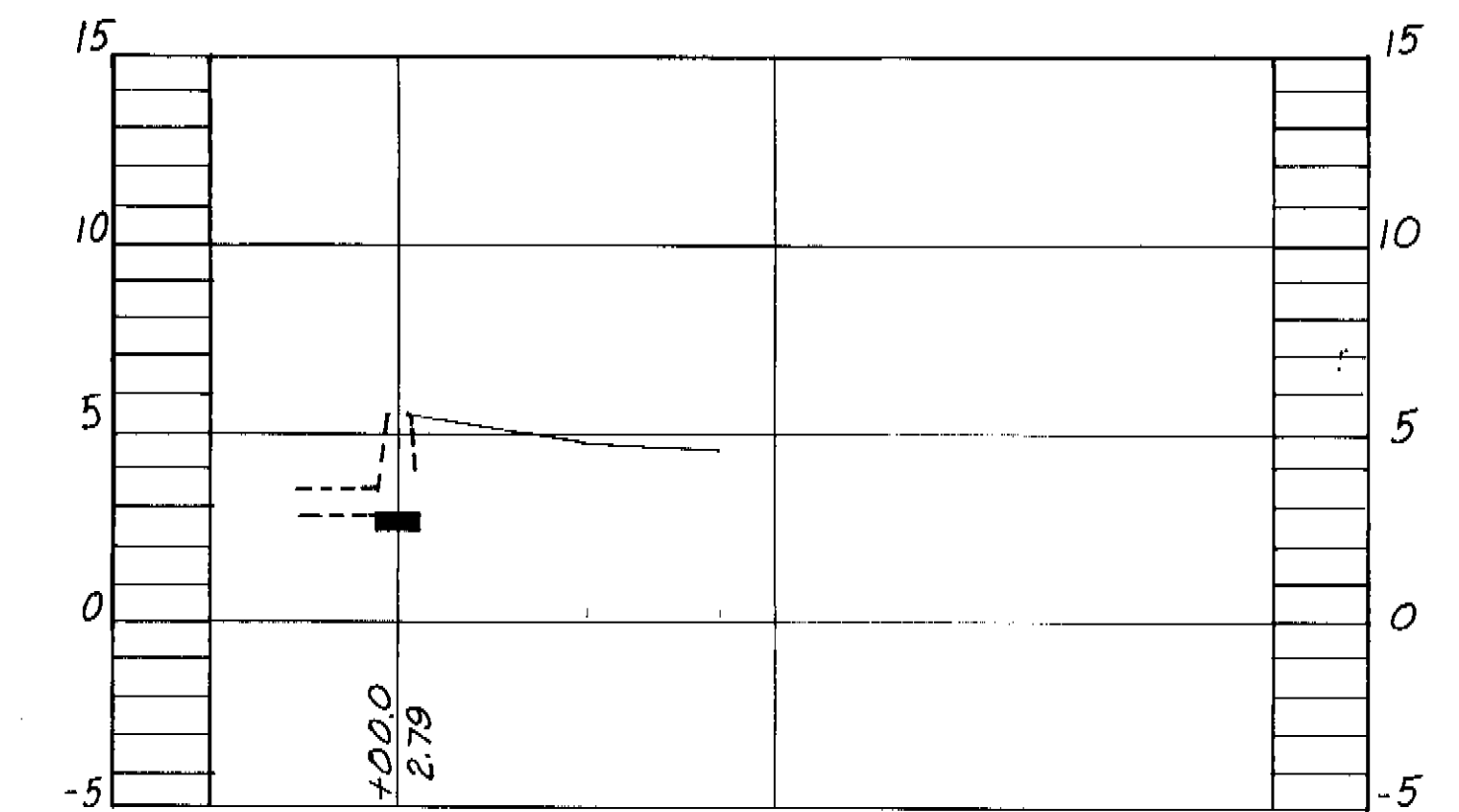
PLAN Not Built



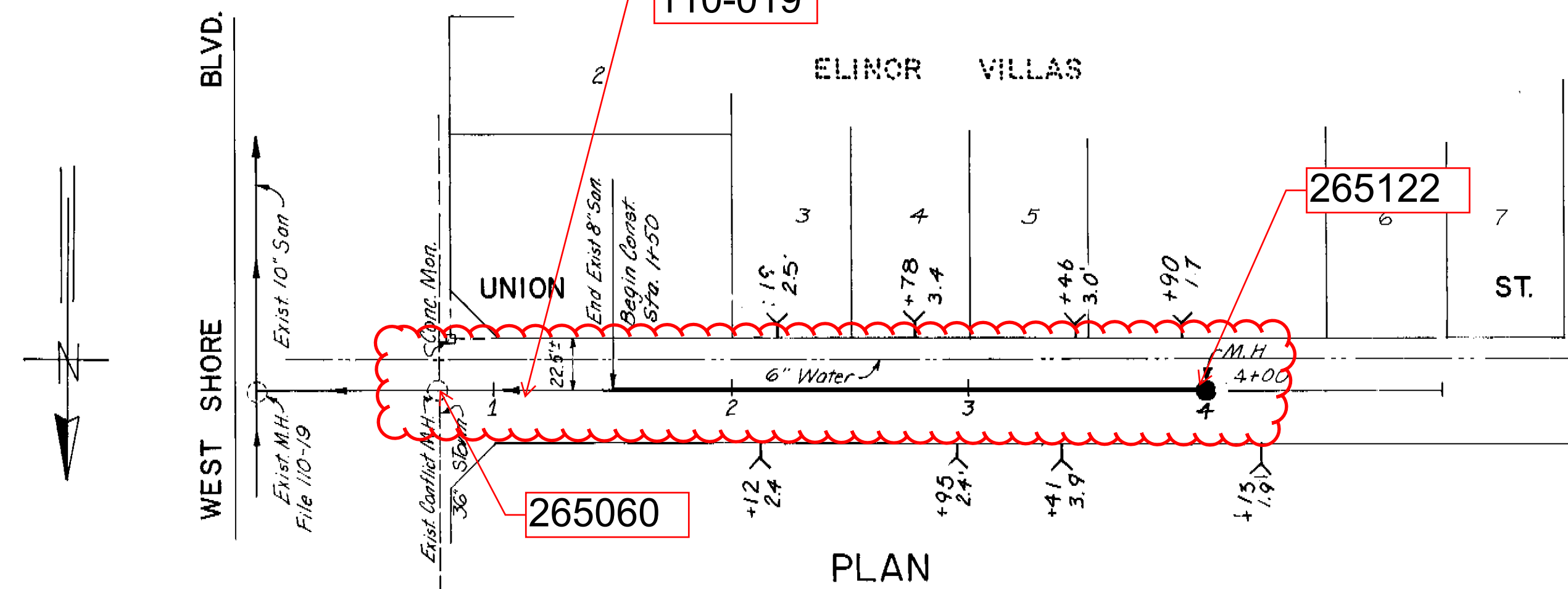
PROFILE W.O.



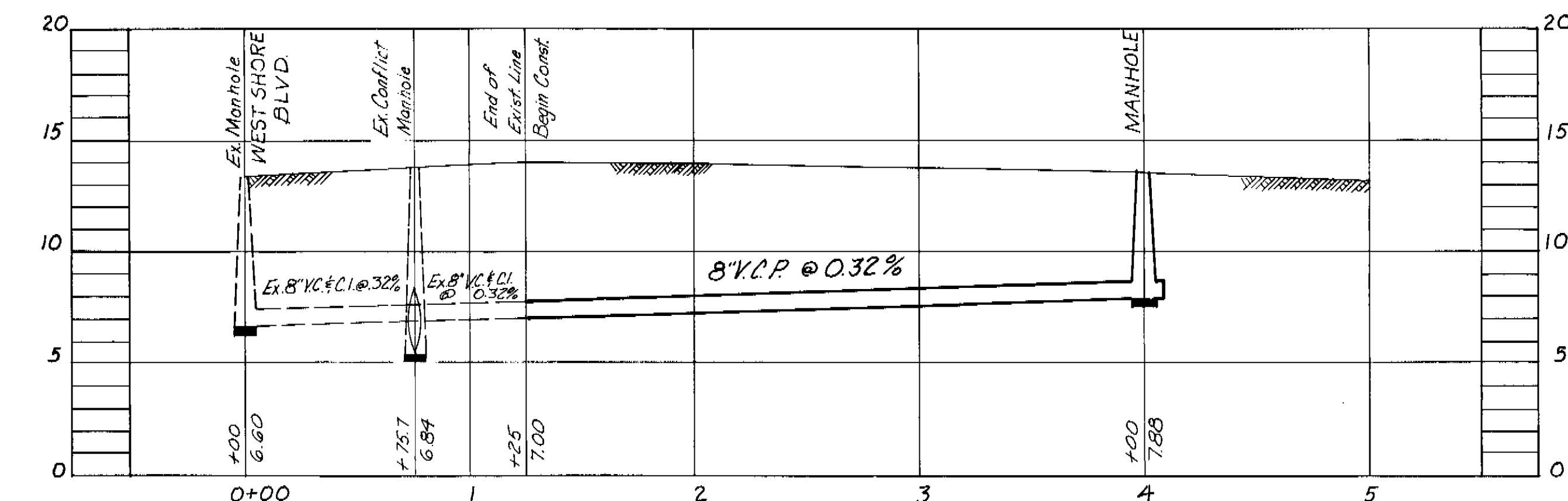
PLAN Not Built



SEE A/B
110-019



PLAN



PROFILE W.O. 2358

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

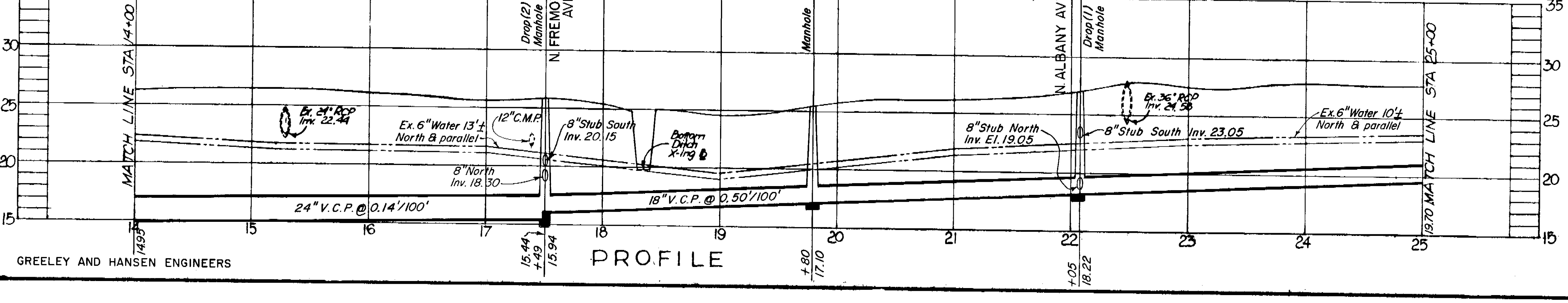
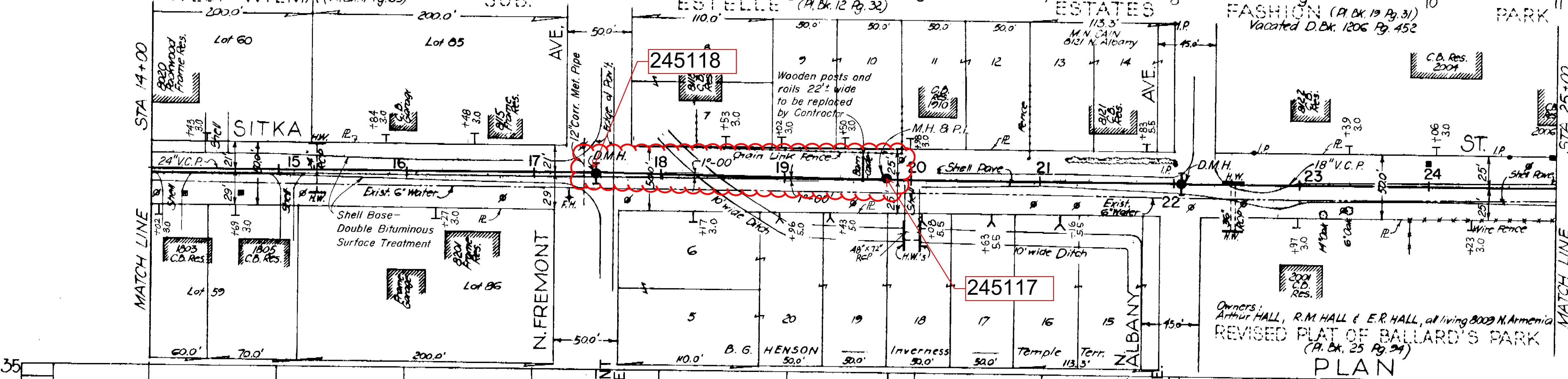
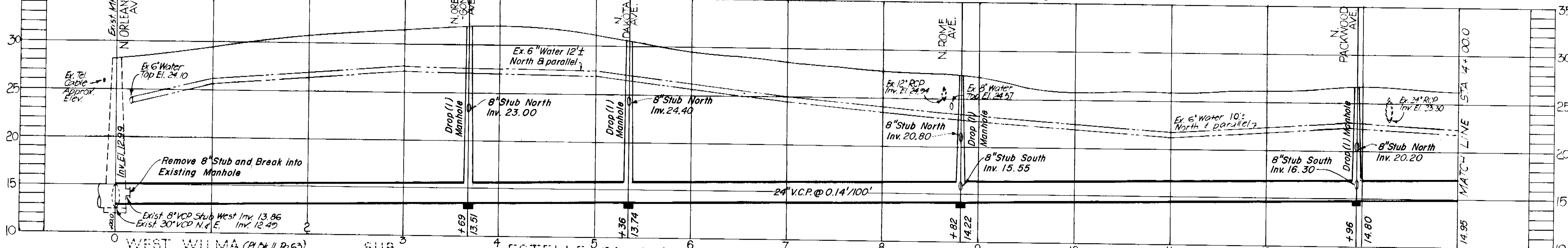
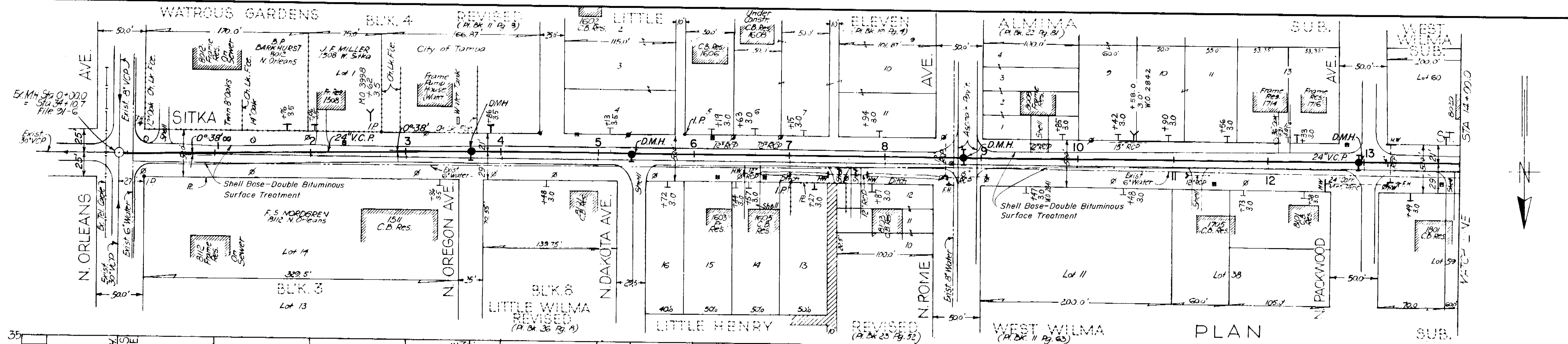
UNION ST.: West Shore Blvd. to 400' West.
NOBLE ST.: Chapin Ave. to Pear St.
MAC DILL AVE.: Alline Ave. to Chapin Ave.

DES: JMR
DRN: MGL
CKD: EGS
DATE: MARCH 1972

SCALE: 1" = 50'

SHEET: 12-1
OF:

122-012



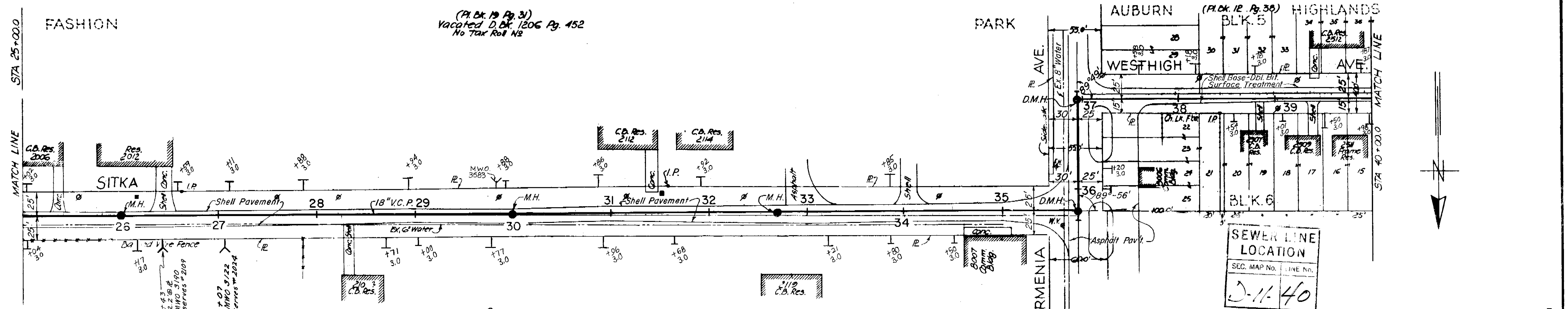
PROFILE

- Notes:
- 1) Benchmark used: City BM No. A-1467 Elev. 26.342
 Cut on NE corner of carport at SW corner Rome Ave. & Sitka St.
 - 2) The symbol "↔" on Lot lines indicates common Ownership.

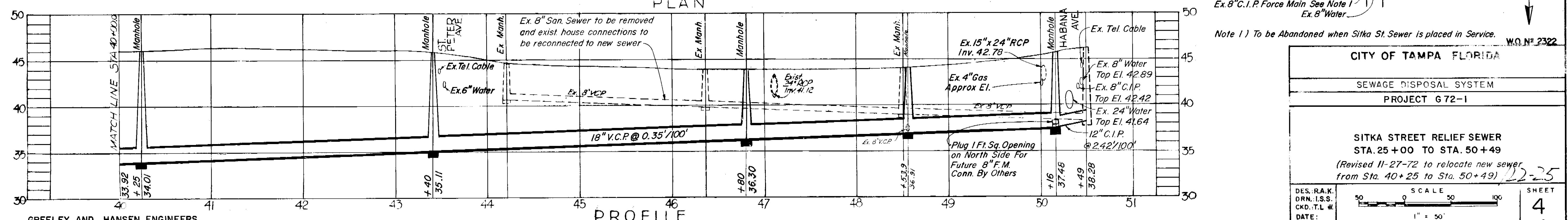
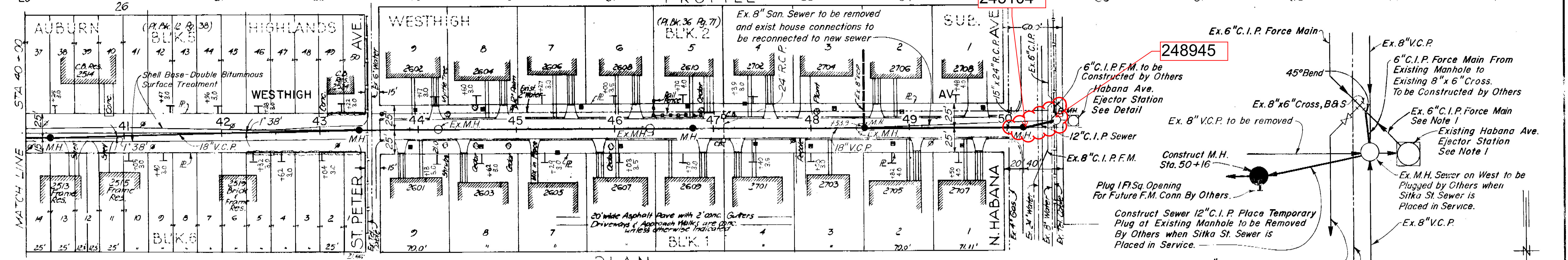
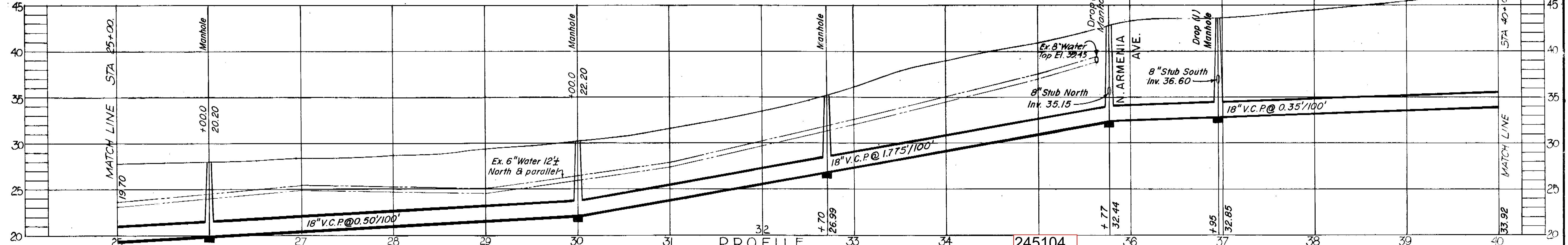
CITY OF TAMPA, FLORIDA		W.O. # 2322
SEWAGE DISPOSAL SYSTEM		
PROJECT 672-1		
SITKA STREET RELIEF SEWER		
STA. 0+00 TO STA. 25+00		
DES. R.A.K.	SCALE	SHEET
DRN. I.S.S.	1" = 80'	3
CHK. T.L.W.		OF 9
DATE:		
MARCH 1972		

GREELEY AND HANSEN ENGINEERS

122-024



REVISED PLAT OF BALLARD'S PARK
 Owners: Arthur HALL, R.M. HALL & E.R. HALL, all living 8009 N. Armenia (Pl. Bk. 25 Pg. 24)



GREELEY AND HANSEN ENGINEERS

PROFILE

CITY OF TAMPA FLORIDA
 SEWAGE DISPOSAL SYSTEM
 PROJECT G 72-1

SITKA STREET RELIEF SEWER
 STA. 25+00 TO STA. 50+49
 (Revised 11-27-72 to relocate new sewer from Sta. 40+25 to Sta. 50+49)

DES. R.A.K.
 DRN. I.S.S.
 CKD. T.L.W.
 DATE: MARCH 1972

SCALE
 1" = 50'

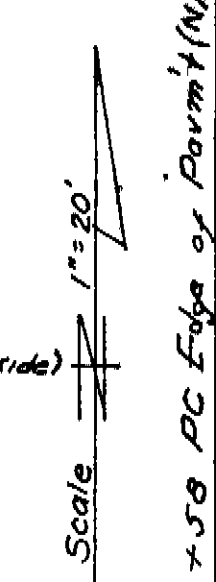
SHEET
 4
 OF 9

122-025

CURVE DATA No 28
North Edge of Pavt

100 C	- Sta 36 + 50
100 Y	- Sta 36 + 98
100 X	- Sta 37 + 38
100 Z	- Sta 37 + 46.5
100 W	- Sta 37 + 48.5
100 V	- Sta 38 + 26.5
100 U	- Sta 38 + 26.5
100 T	- Sta 38 + 26.5
100 S	- Sta 38 + 26.5
100 R	- Sta 38 + 26.5
100 Q	- Sta 38 + 26.5
100 P	- Sta 38 + 26.5
100 O	- Sta 38 + 26.5
100 N	- Sta 38 + 26.5
100 M	- Sta 38 + 26.5
100 L	- Sta 38 + 26.5
100 K	- Sta 38 + 26.5
100 J	- Sta 38 + 26.5
100 I	- Sta 38 + 26.5
100 H	- Sta 38 + 26.5
100 G	- Sta 38 + 26.5
100 F	- Sta 38 + 26.5
100 E	- Sta 38 + 26.5
100 D	- Sta 38 + 26.5
100 C	- Sta 38 + 26.5
100 B	- Sta 38 + 26.5
100 A	- Sta 38 + 26.5

NOT SUBDIVIDED



Note: Paving & Drainage construction within the limits of the Macdill Avenue Intersection not included in this Contract. See Macdill Ave plans D.P.W. File No. E-15-22 for Details. JOHN H. DREW SUB. of NORTH WEST TAMPA BLOCK 24

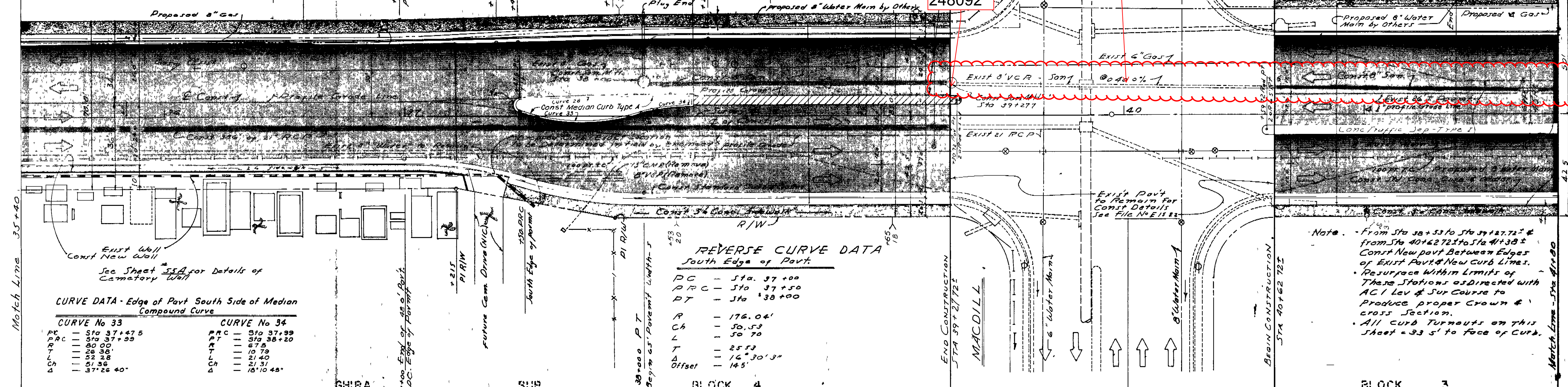
COLUMBUS

Remove 4" Separator and Pave Stripping & Delineation by Others

248092

see a/b 013-013

DRIVE



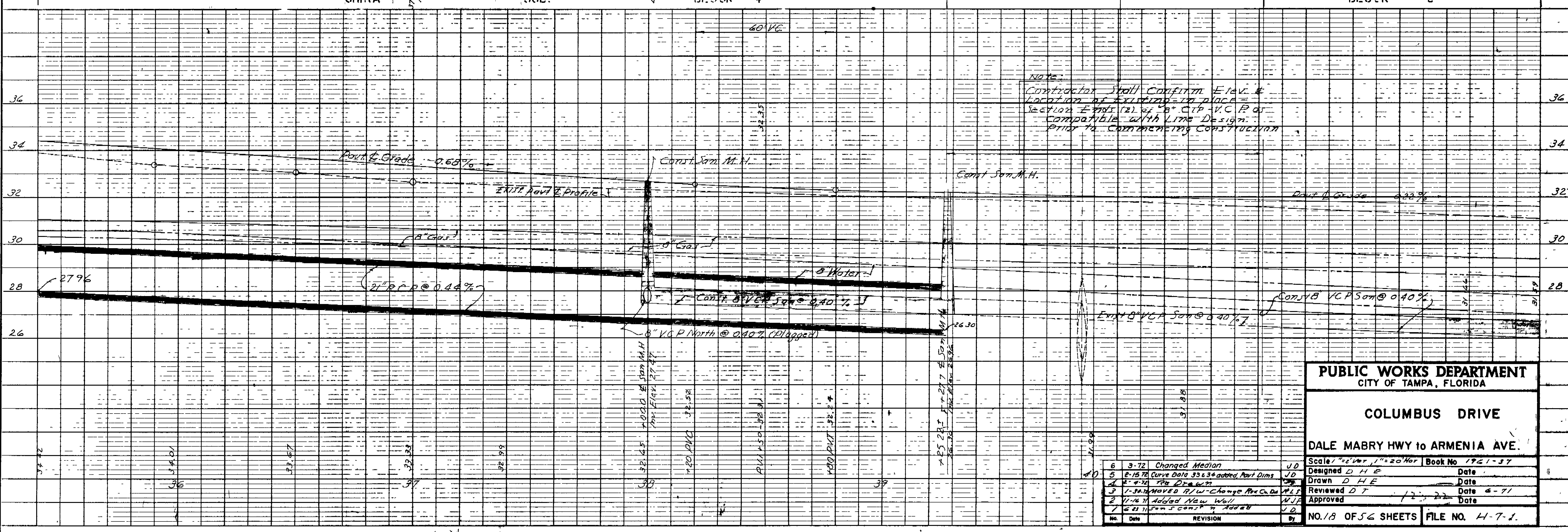
REVERSE CURVE DATA
South Edge of Pavt.

PC	- Sta. 37 + 00
PT	- Sta. 37 + 50
DT	- Sta. 38 + 00
R	- 176.04'
Ch	- 50.53'
L	- 50.70'
T	- 25.53'
A	- 14° 30' 33"
Offset	- 14.5'

CURVE DATA - Edge of Pavt South Side of Median Compound Curve

CURVE No 33		CURVE No 34	
PC	- Sta 37 + 47.5	PT	- Sta 37 + 99
PT	- Sta 37 + 99	DT	- Sta 38 + 20
R	- 60.00'	R	- 67.8'
L	- 26.58'	L	- 10.79'
T	- 52.28'	T	- 21.40'
A	- 61° 36'	A	- 21.31'
Offset	- 37° 26' 40"	Offset	- 18° 10' 45"

Note: From Sta 38 + 53 to Sta 39 + 27.72 ± from Sta 40 + 62.72 to Sta 41 + 38 ± Const New Pavt Between Edges of Exist Pavt & New Curb Lines. Resurface within limits of these stations as directed with AC 1 Lev & Sur Course to produce proper crown & cross section. All curb turnouts on this sheet = 33' to face of curb.



NOTE: Contractor shall confirm Elev. & location of existing in place section ends (2) of 8" CIP V.C.P.s compatible with line design. Prior to commencing construction.

PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA

COLUMBUS DRIVE

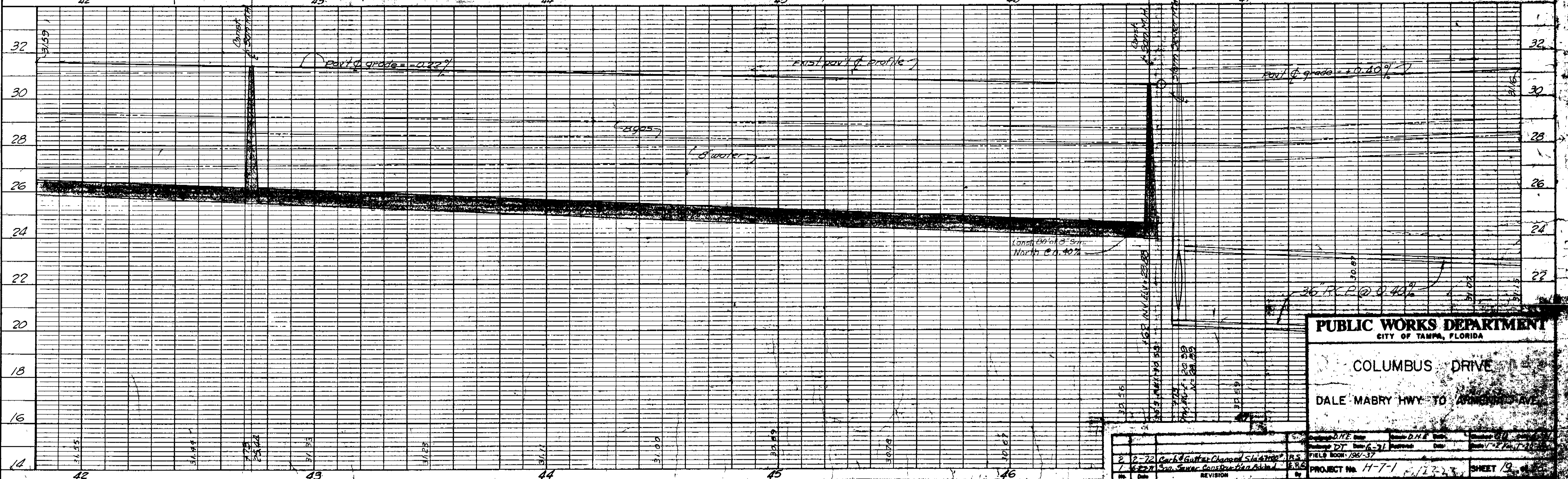
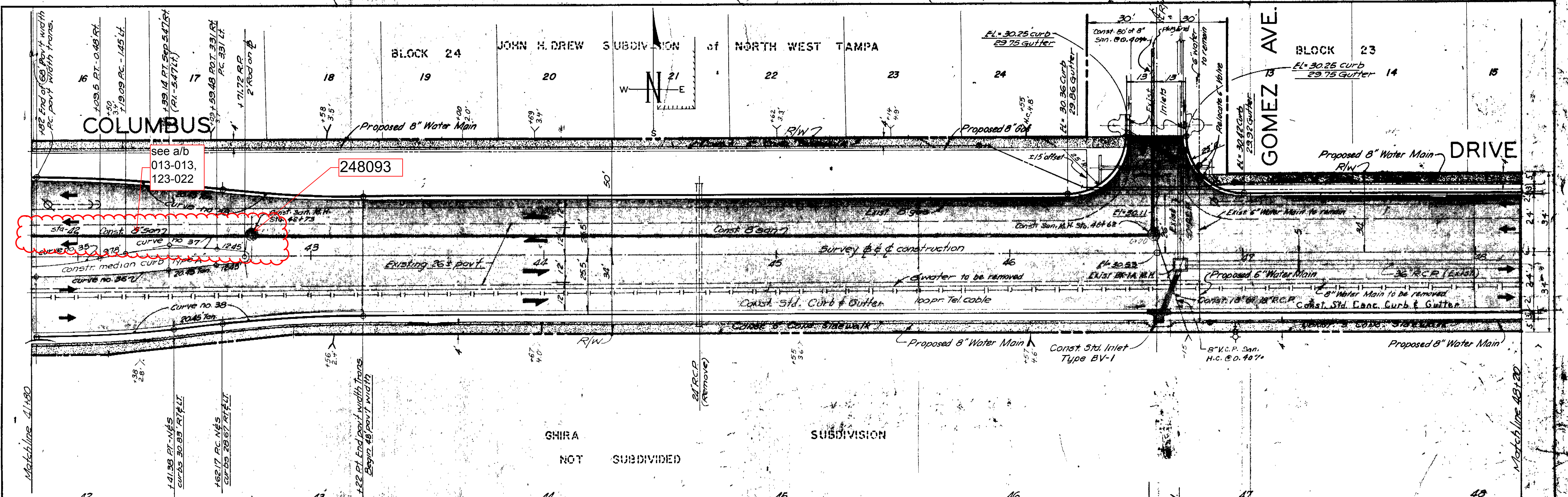
DALE MABRY HWY to ARMENIA AVE.

6	3-72	Changed Median	J.D.	Scale 1"=20' Vert, 1"=20' Hor	Book No 1721-37
5	2-15-72	Curve Data 33 & 34 added, Pavt Dims	J.D.	Designed D.H.E.	Date
4	2-4-72	Rev Drawn	D.H.E.	Drawn D.H.E.	Date
3	1-30-72	MOVED R/W - Change Pavt Curve	D.T.	Reviewed D.T.	Date 6-71
2	11-26-71	Added New Wall	N.J.F.	Approved	Date
1	6-21-71	5' Const. in Add 20'	V.O.		

No. 18 OF 56 SHEETS FILE NO. H-7-1.

DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 DATE: _____

DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 DATE: _____



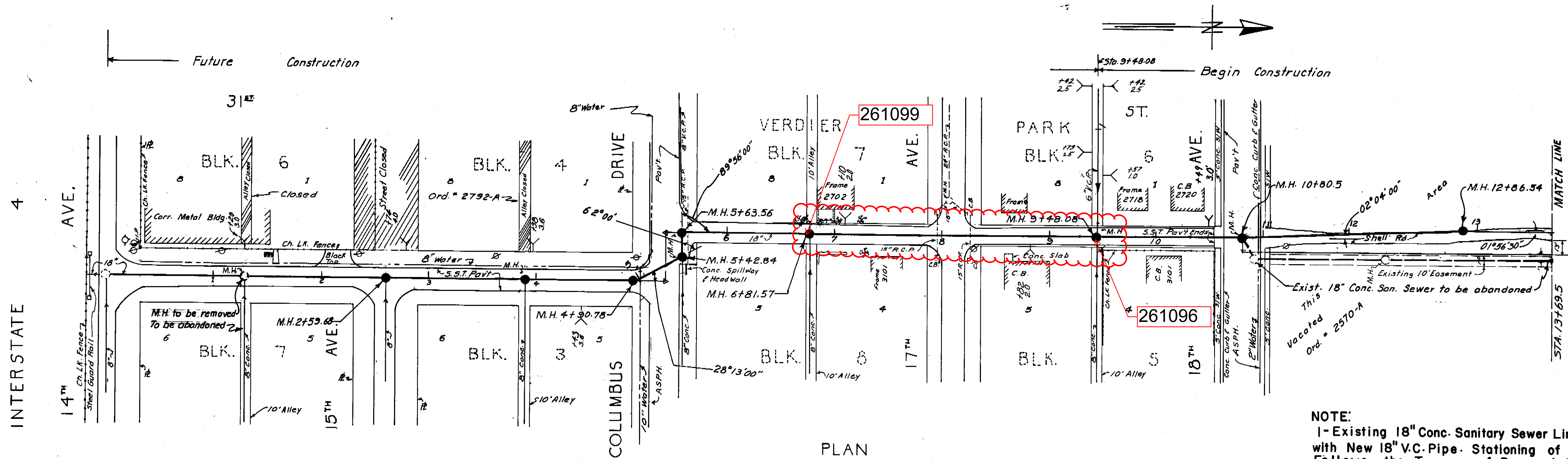
PUBLIC WORKS DEPARTMENT
 CITY OF TAMPA, FLORIDA

COLUMBUS DRIVE
 DALE MABRY HWY TO GOMEZ AVE

NO.	DATE	REVISION	BY
1		San. Sewer Construction Admin.	
2	2-72	Curb & Gutter Change Station	

PROJECT NO. H-7-1 123-23 SHEET 12

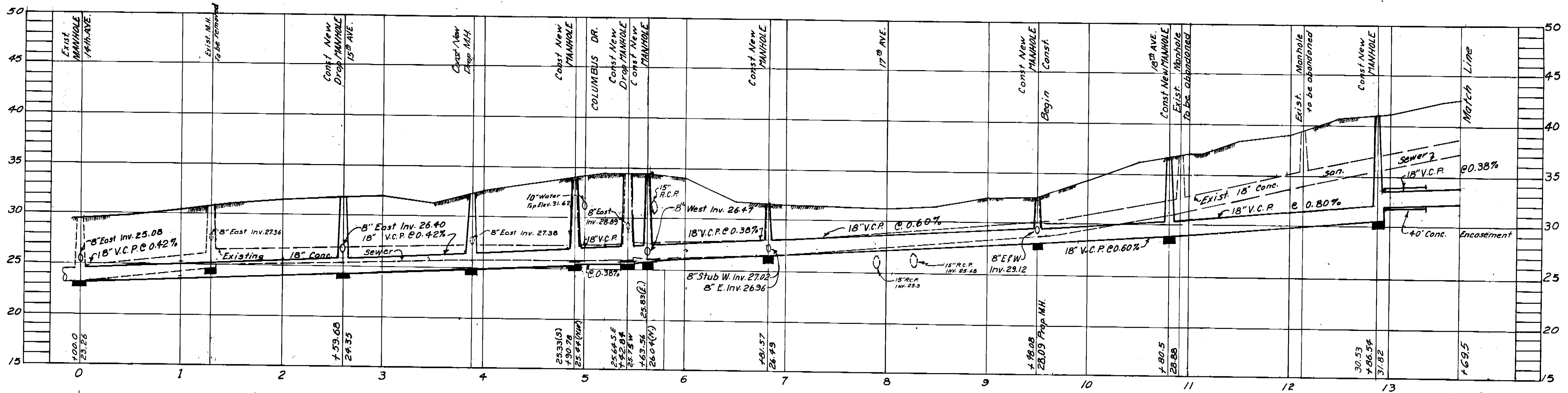
K&E
 PLATE 1, PLAN-PROFILE
 ENGINEERS & ARCHITECTS
 347 N. W. 13th St. TAMPA, FLORIDA 33604



PLAN

NOTE:
 1- Existing 18" Conc. Sanitary Sewer Line to be replaced with New 18" V.C. Pipe. Stationing of New Manholes Follows the Traverse of Proposed Sewer Line.
 2- Where necessary, adjust existing lateral lines to New Manhole.
 3- See note Sheet 2

G-14 131



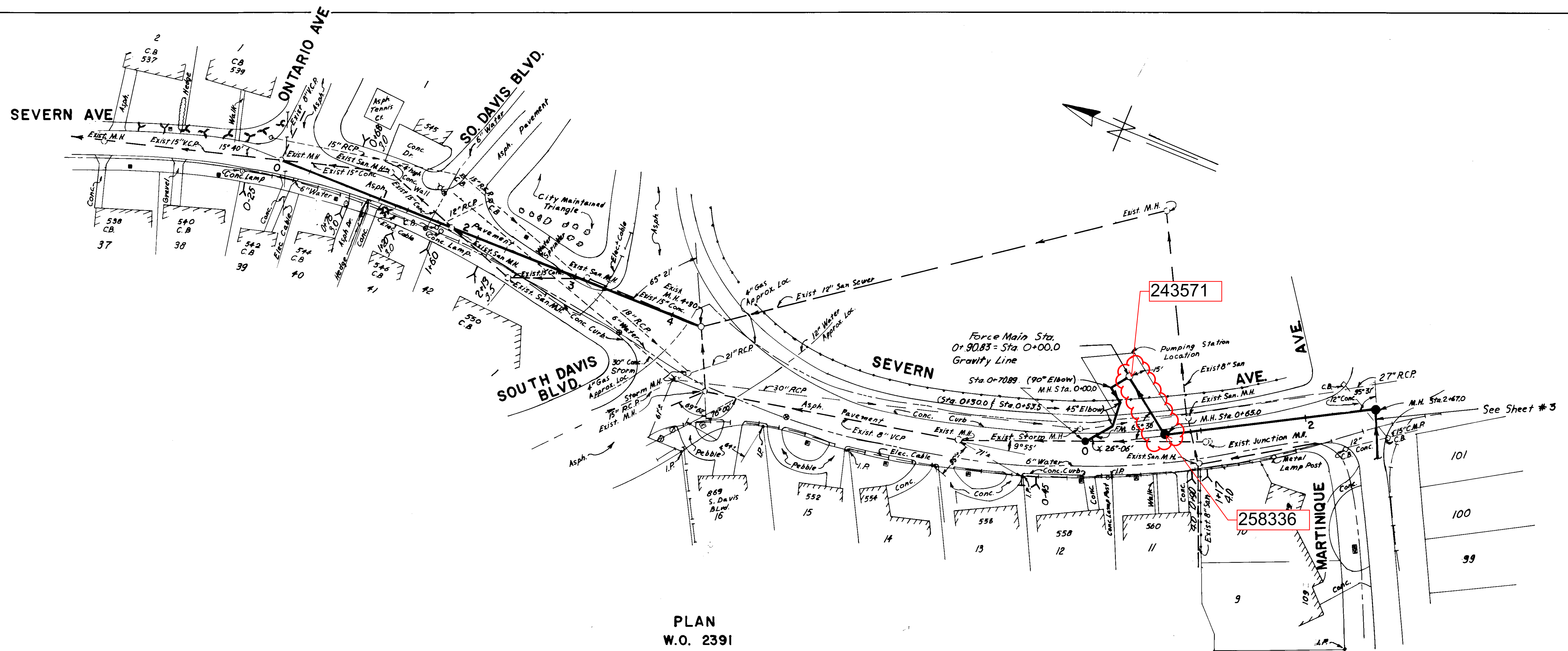
PROFILE

Future Construction ← → BEGIN CONSTRUCTION

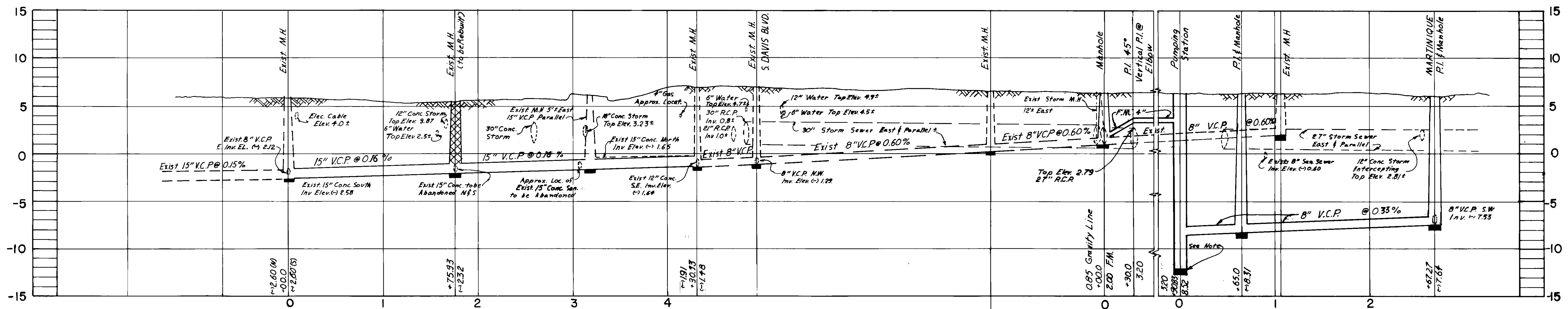
CITY OF TAMPA, FLORIDA		
RENEWAL & REPLACEMENT		
SEWER IMPROVEMENTS		
PROJECT PRIDE II AREA "B"		
31st STREET: 14th. Ave. to 19th. Ave. (extended)		
125-22		
DES: M.J.A. DRN: R.G. CKD: E.G.S. DATE: 1871-72	SCALE: 50 0 50 100 1" = 40'	SHEET 183 6

125-022

B



PLAN
W.O. 2391



PROFILE
W.O. 2391

Station 0+30.85 Force Main = Station 0+00.0 Gravity South
 Thrust Blocking at all Force Main P.I.s
 Bench Mark: G-24 N.E. Corner Severn & Ontario, Catch Basin Elev. 6.139
 Note: Top 12" Slab Elev. 42.46

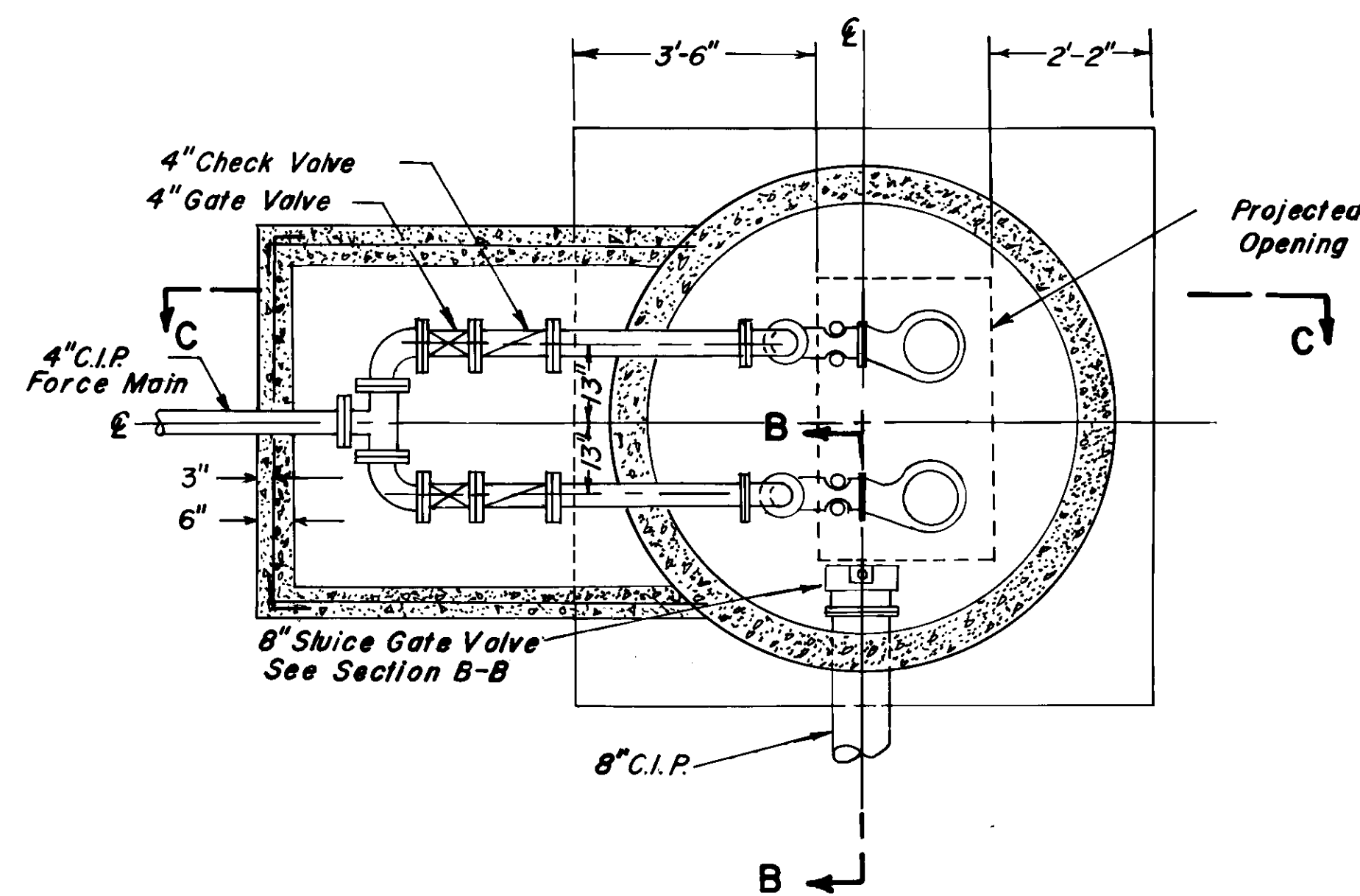
LOCATION
 SEC. MAP NO. 126-43
 K-12 38

CITY OF TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWER IMPROVEMENTS
 SEVERN AVE.: Ontario Ave. to S. Davis Blvd.
 FORCE MAIN: Severn Ave. to Pumping Station
 SEVERN AVE.: Pumping Station to Martinique Ave. 126-43

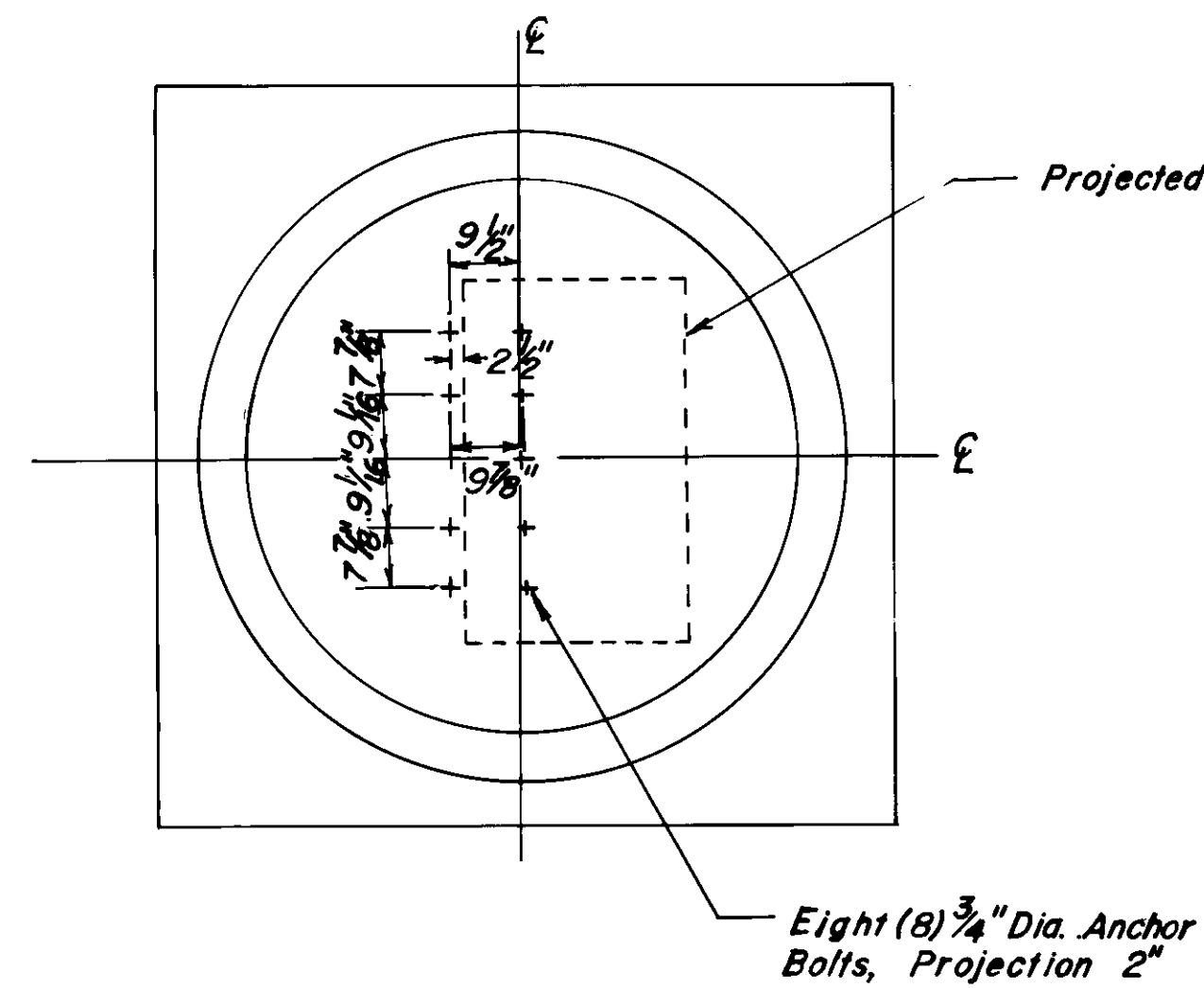
DES: M.J.A.
 DRN: R.D.
 CKD: MWA
 DATE: FEB 1973

SCALE
 1" = 50'

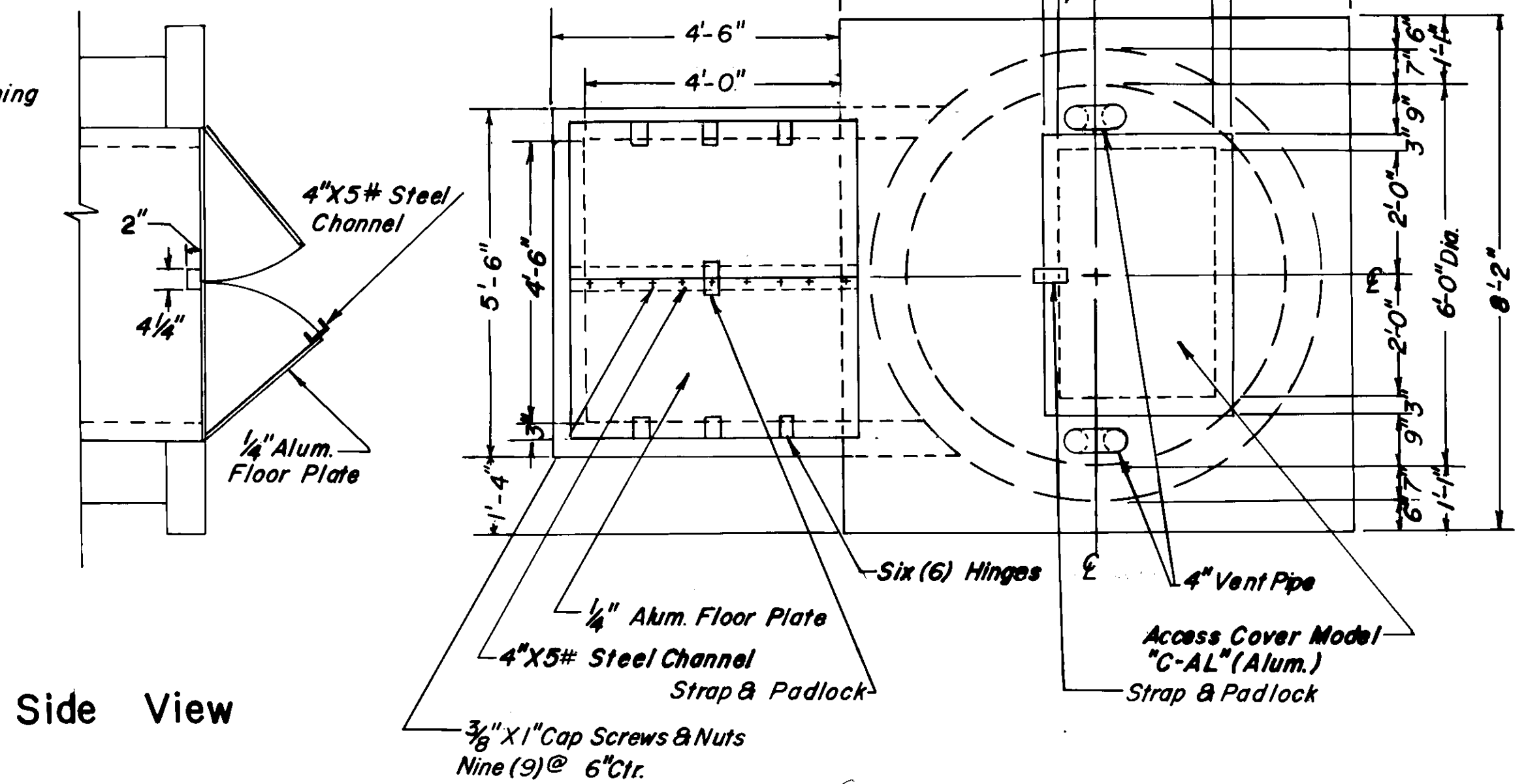
SHEET
 126-043



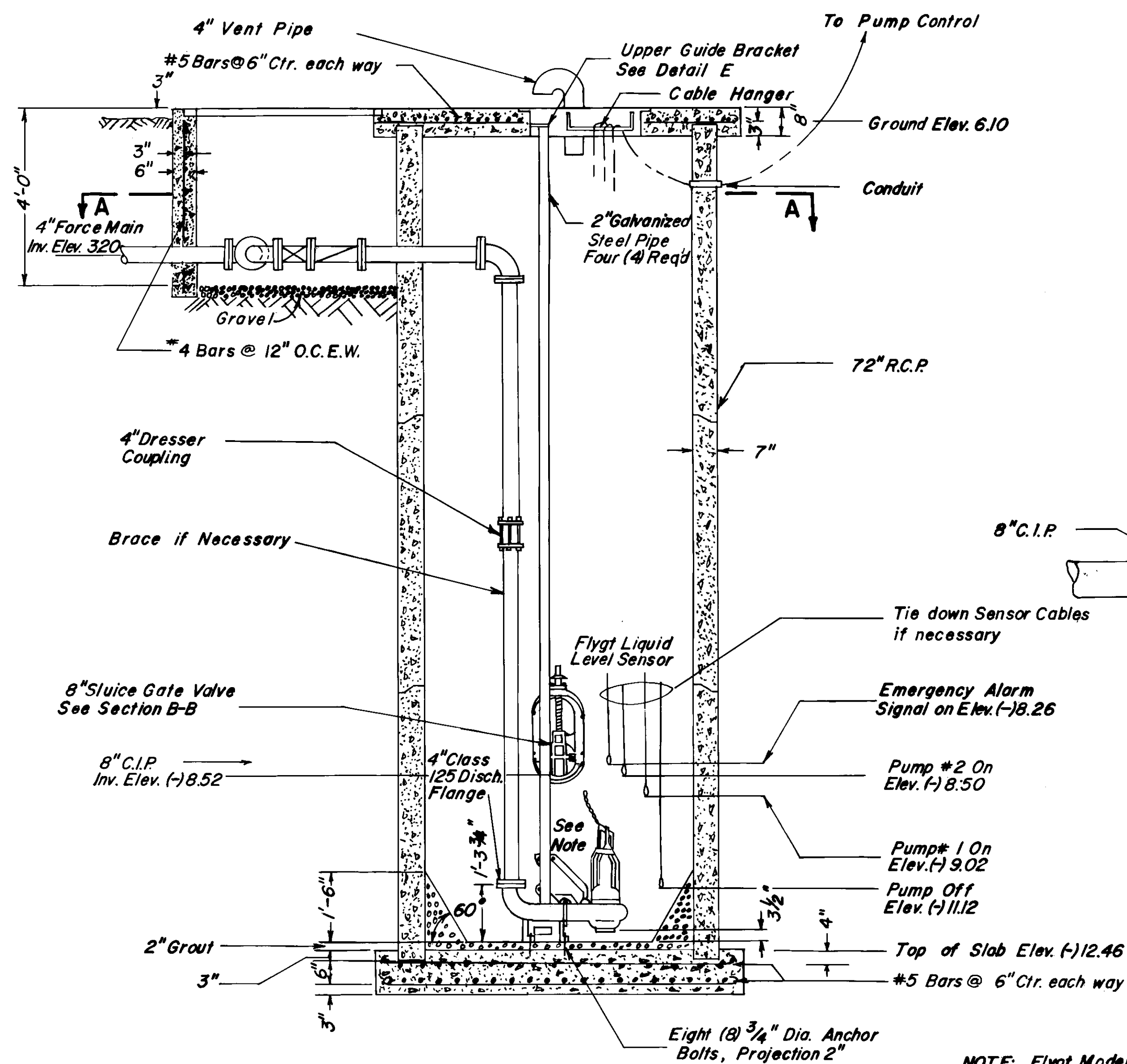
Section A-A



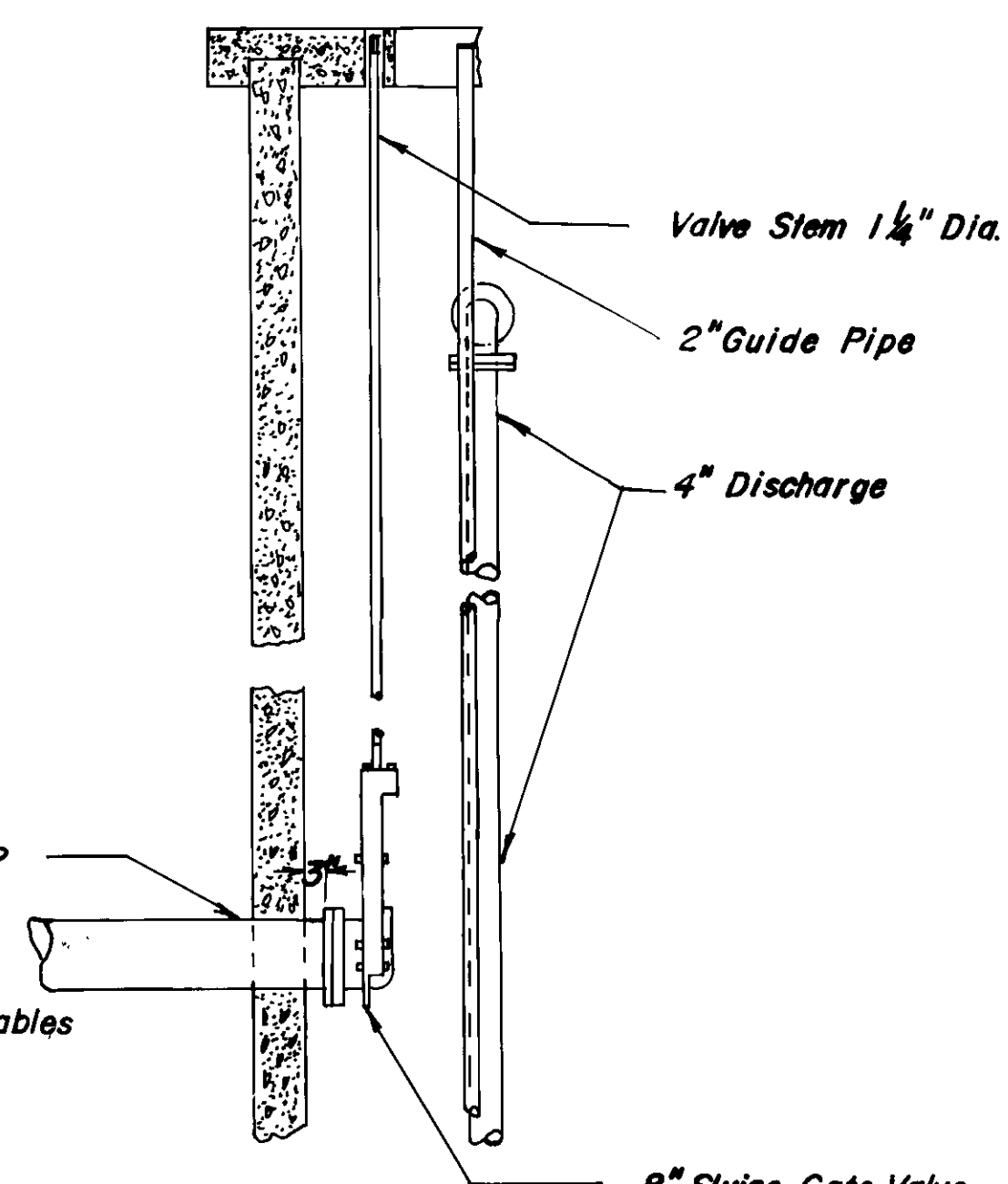
Anchor Bolts Location



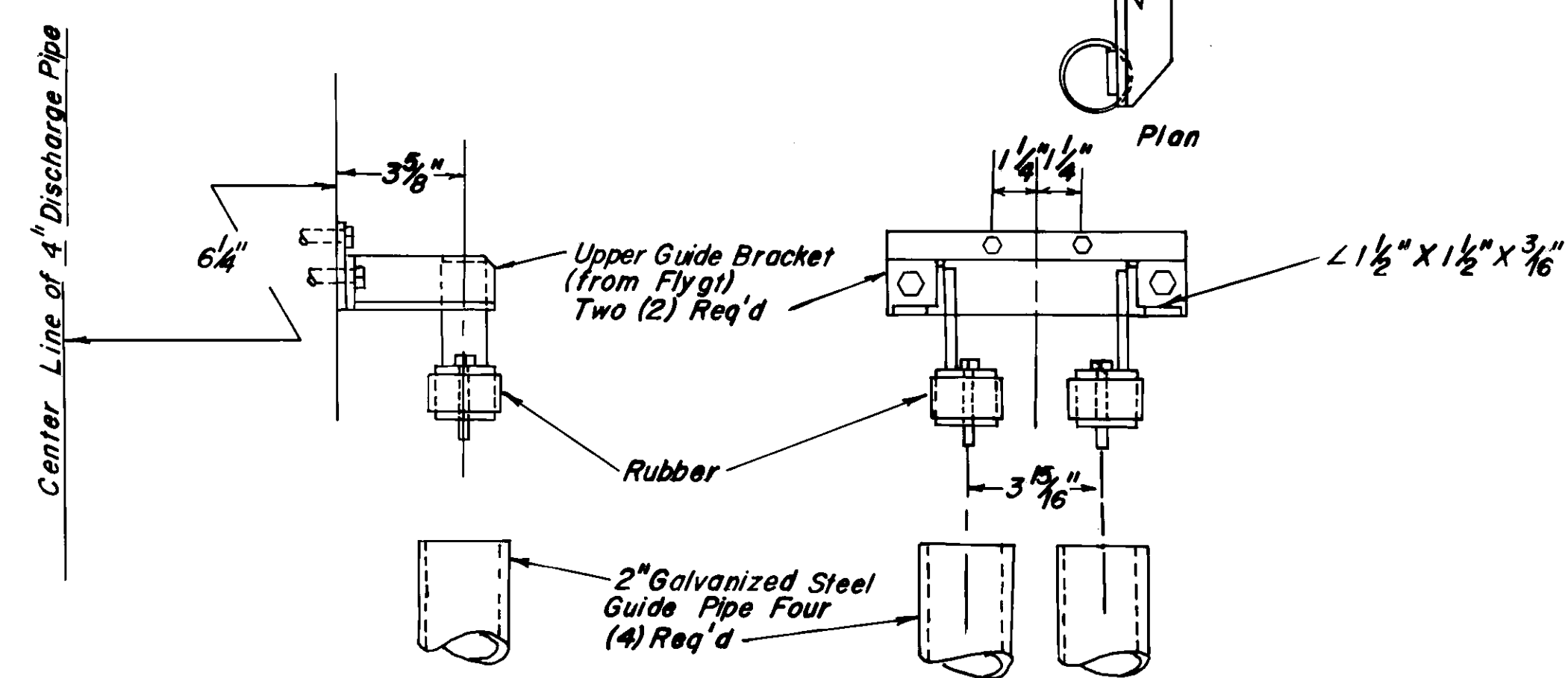
Top View



Section C-C

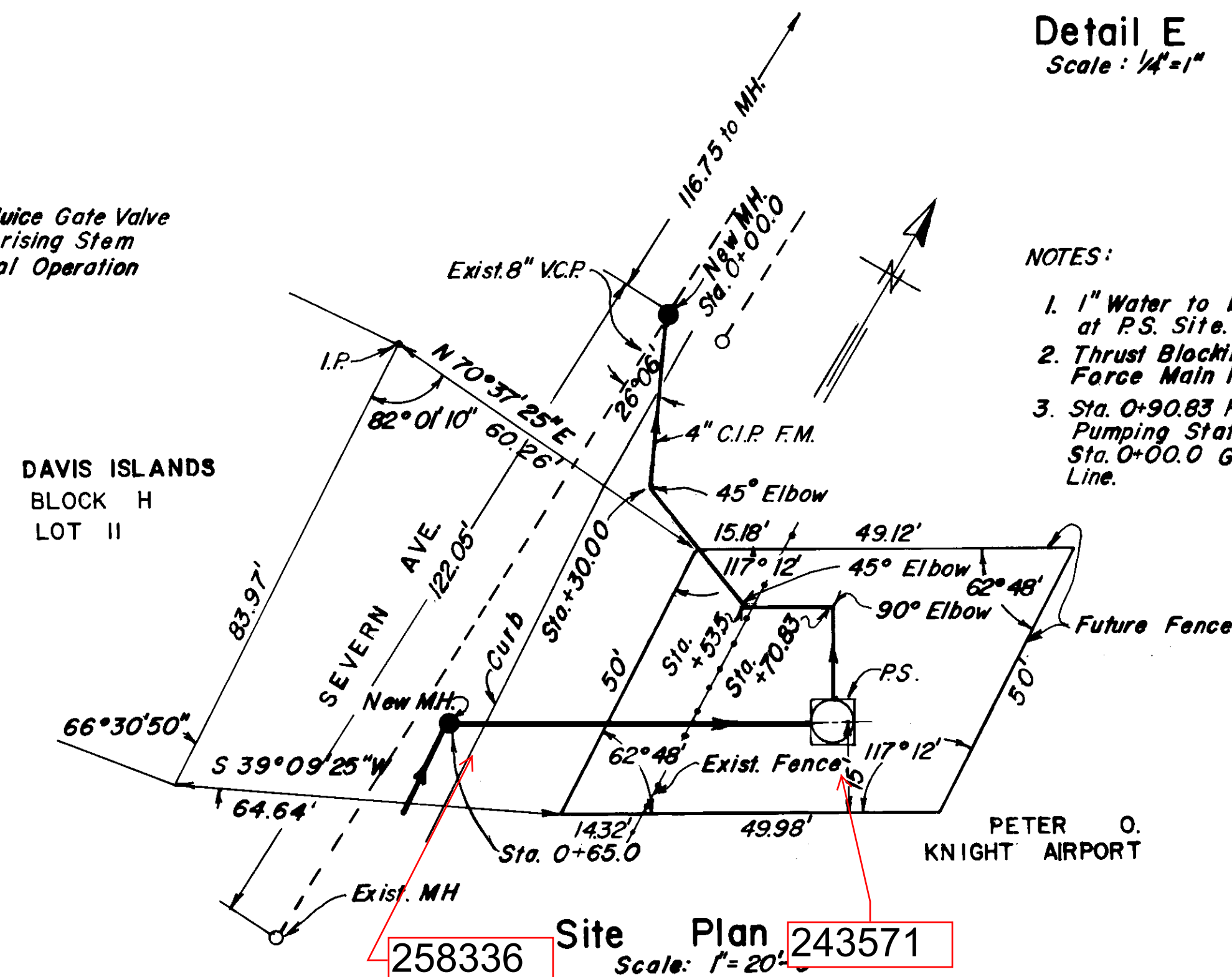


Section B-B



Detail E
Scale: 1/4" = 1"

NOTE: Flygt Model 4" CP 3082
Capacity: 150 G.P.M.
T.D.H.: 15.0'

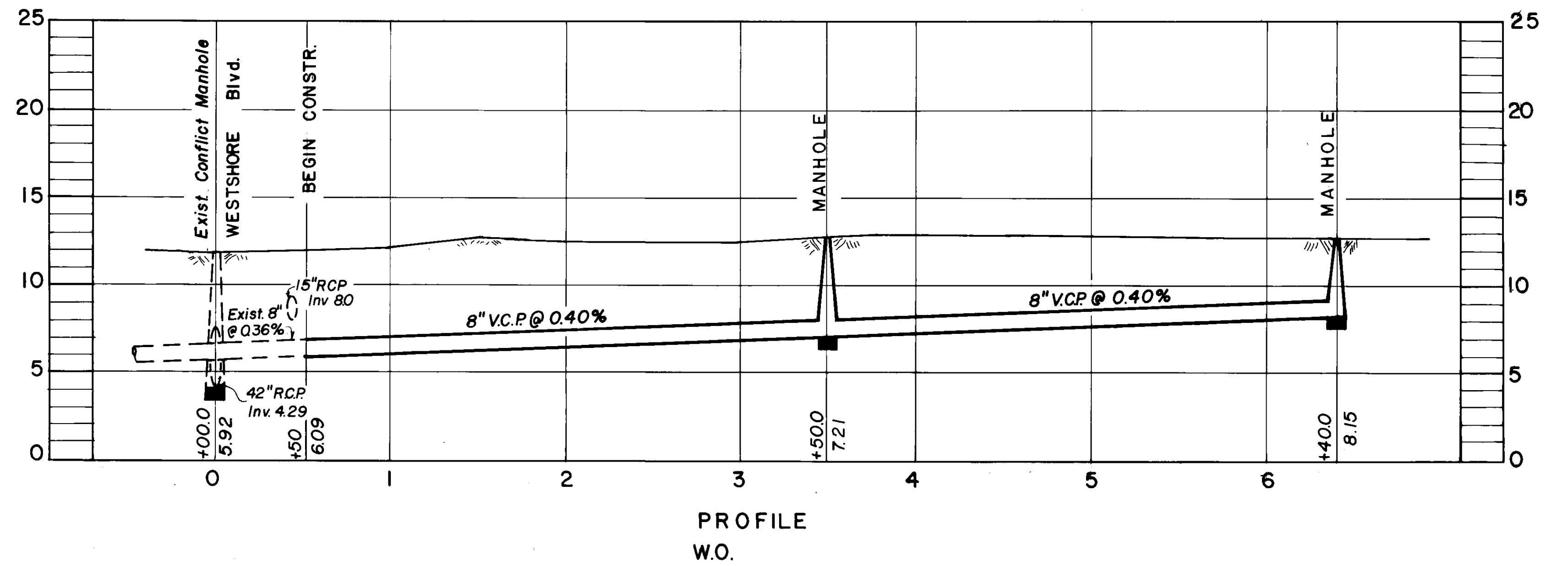
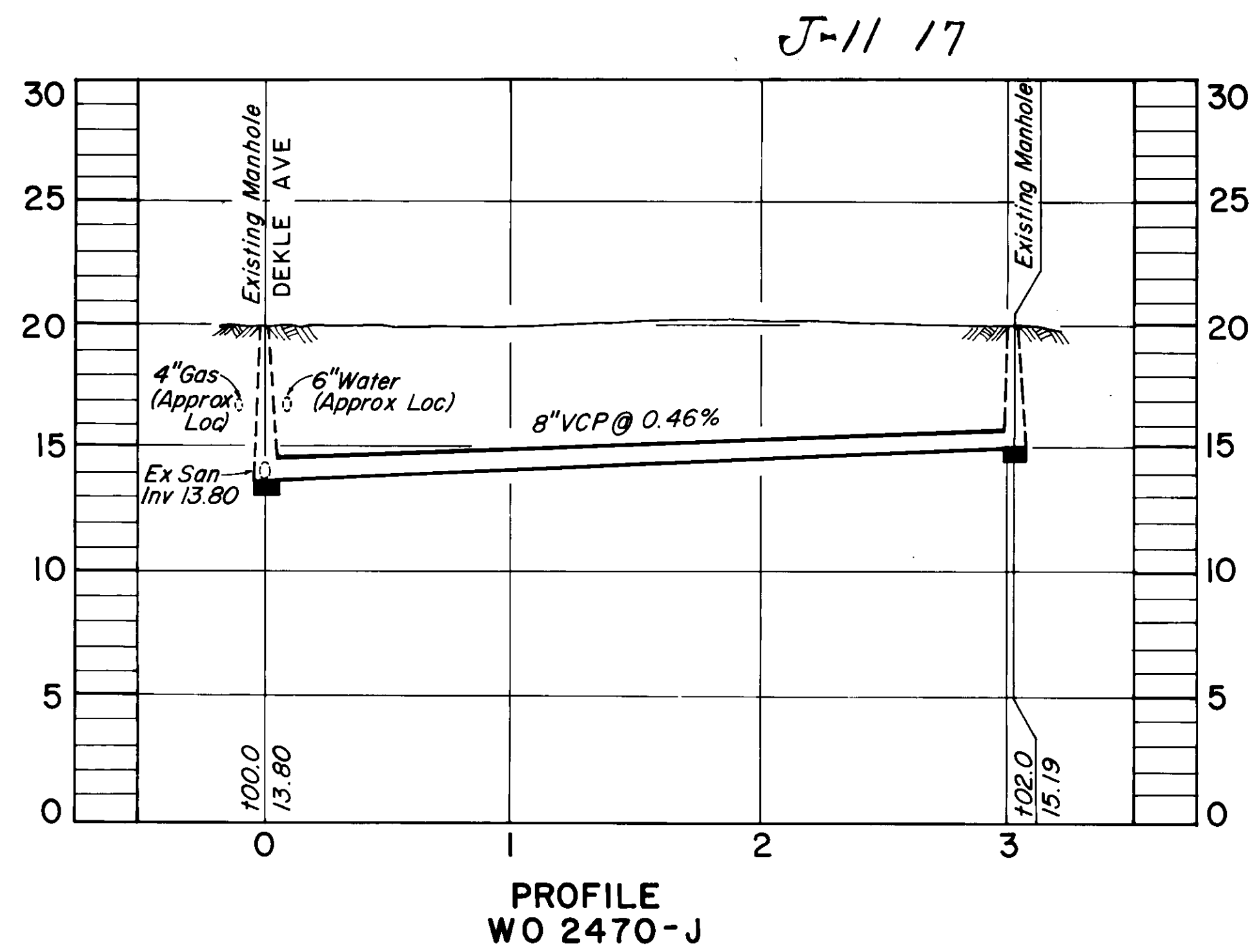
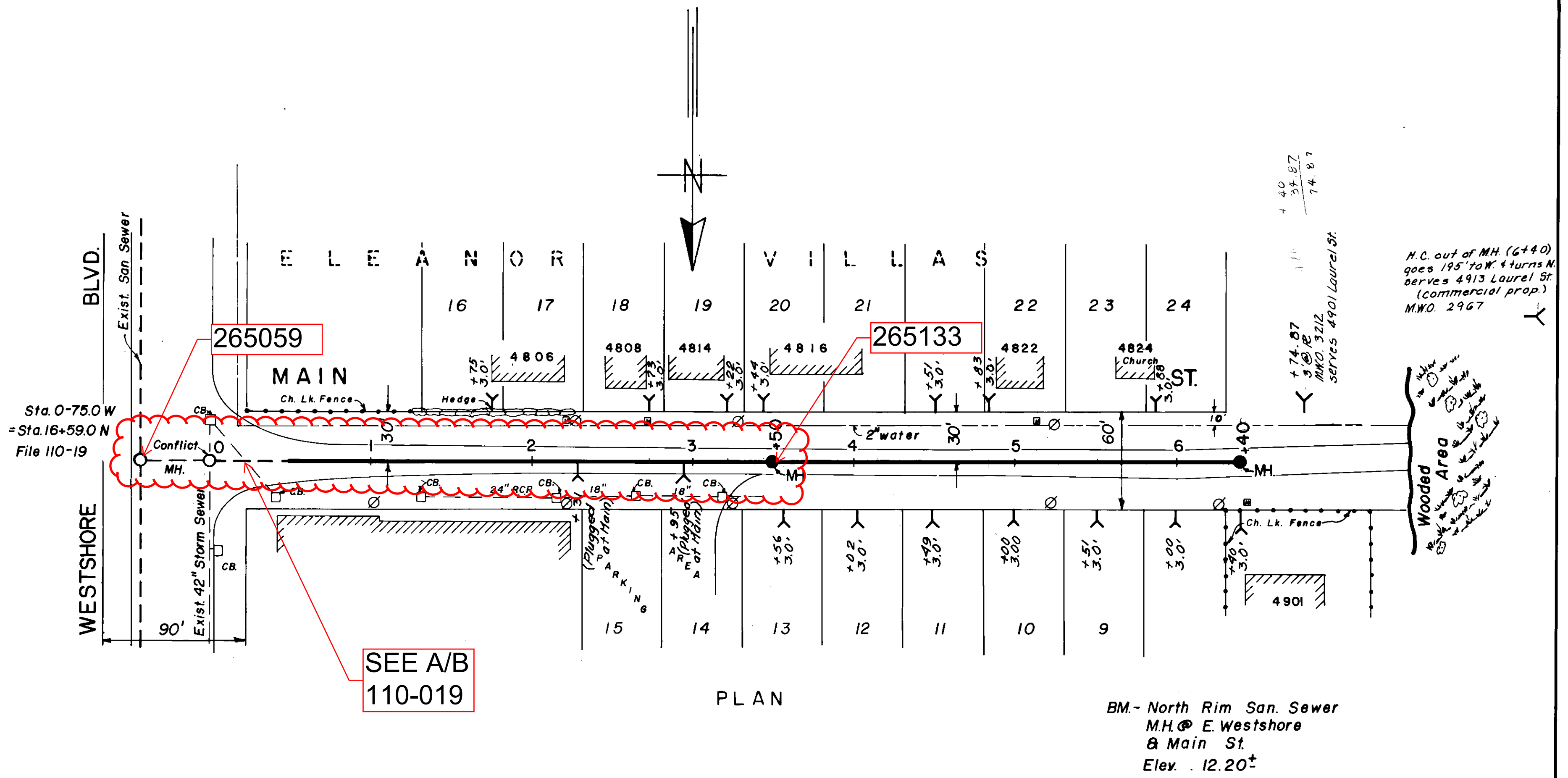
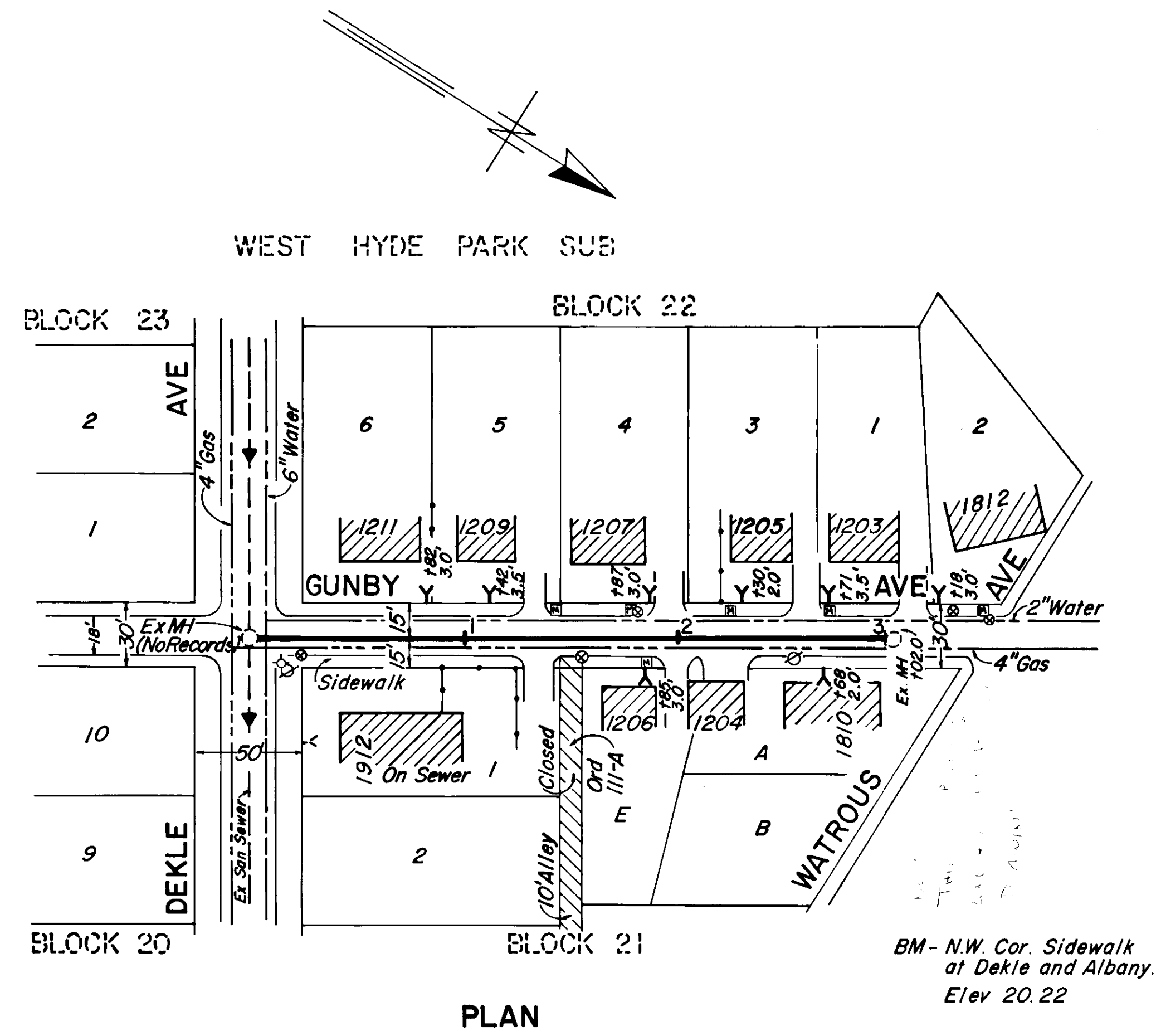


258336 Site Plan 243571
Scale: 1" = 20'

- NOTES:
- 1" Water to be Provided at P.S. Site.
 - Thrust Blocking at all Force Main P.I.
 - Sta. 0+90.83 F.M. Pumping Station = Sta. 0+00.0 Gravity Line.

SEWER LINE LOCATION
K-12/58

CITY OF TAMPA, FLORIDA RENEWAL & REPLACEMENT		
SEWER IMPROVEMENTS		
SEVERN AVE. PUMPING STATION DAVIS ISLANDS		
DES: M.J.A. DRN: L.H.W. CKD: M.W.A. DATE MARCH 75	SCALE 1/2" = 1'-0" UNLESS NOTED	SHEET 7 OF 9



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

GUNBY AVE: Dekle Ave. to Watrous Ave.
MAIN ST: Westshore Blvd. West 640'

DES: JMR
DRN: RJC/AMH
CKD:
DATE
MAY 1974

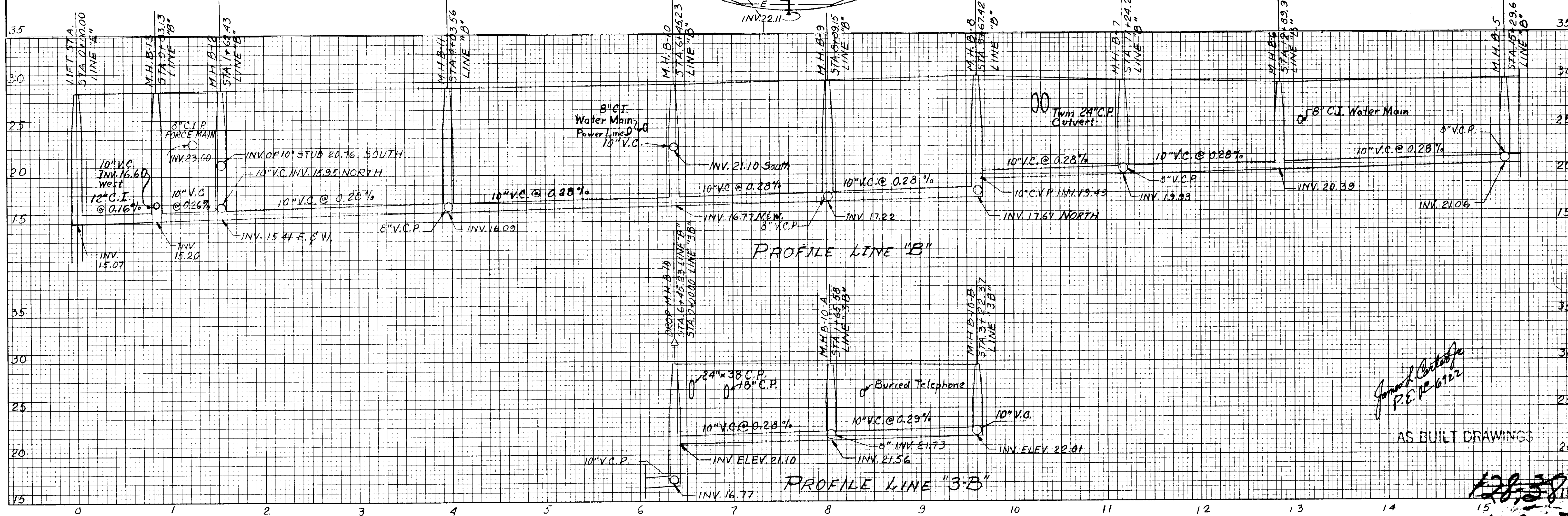
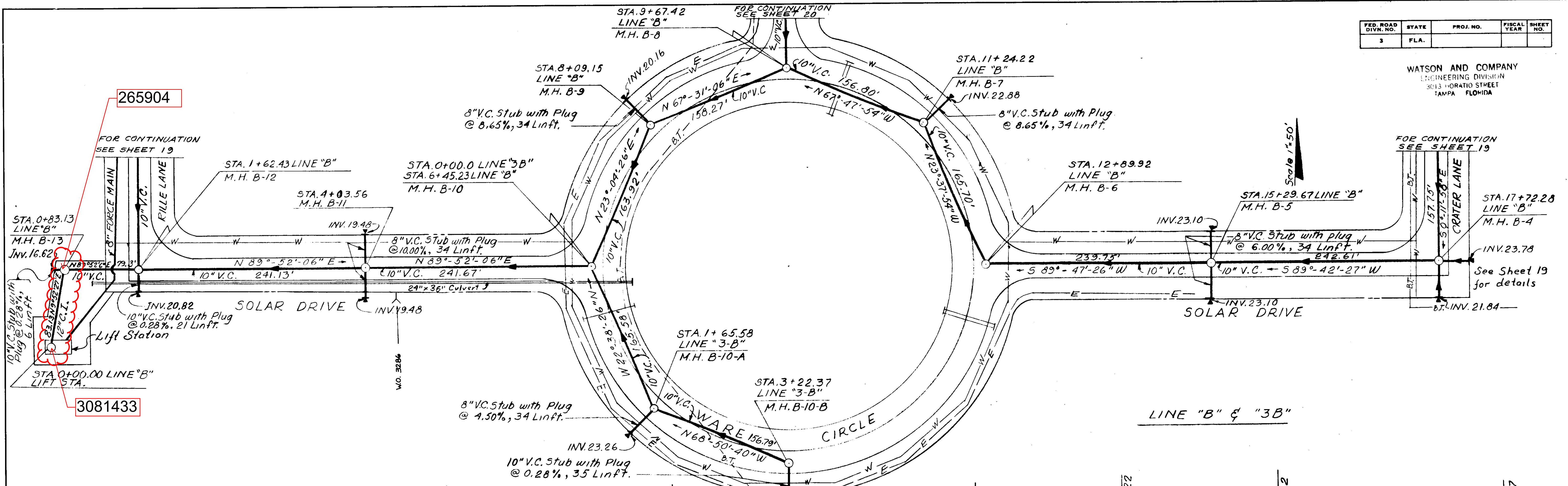
SCALE
0 50 100

SHEET
127-22

127-022

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.
3	FLA.			

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA, FLORIDA

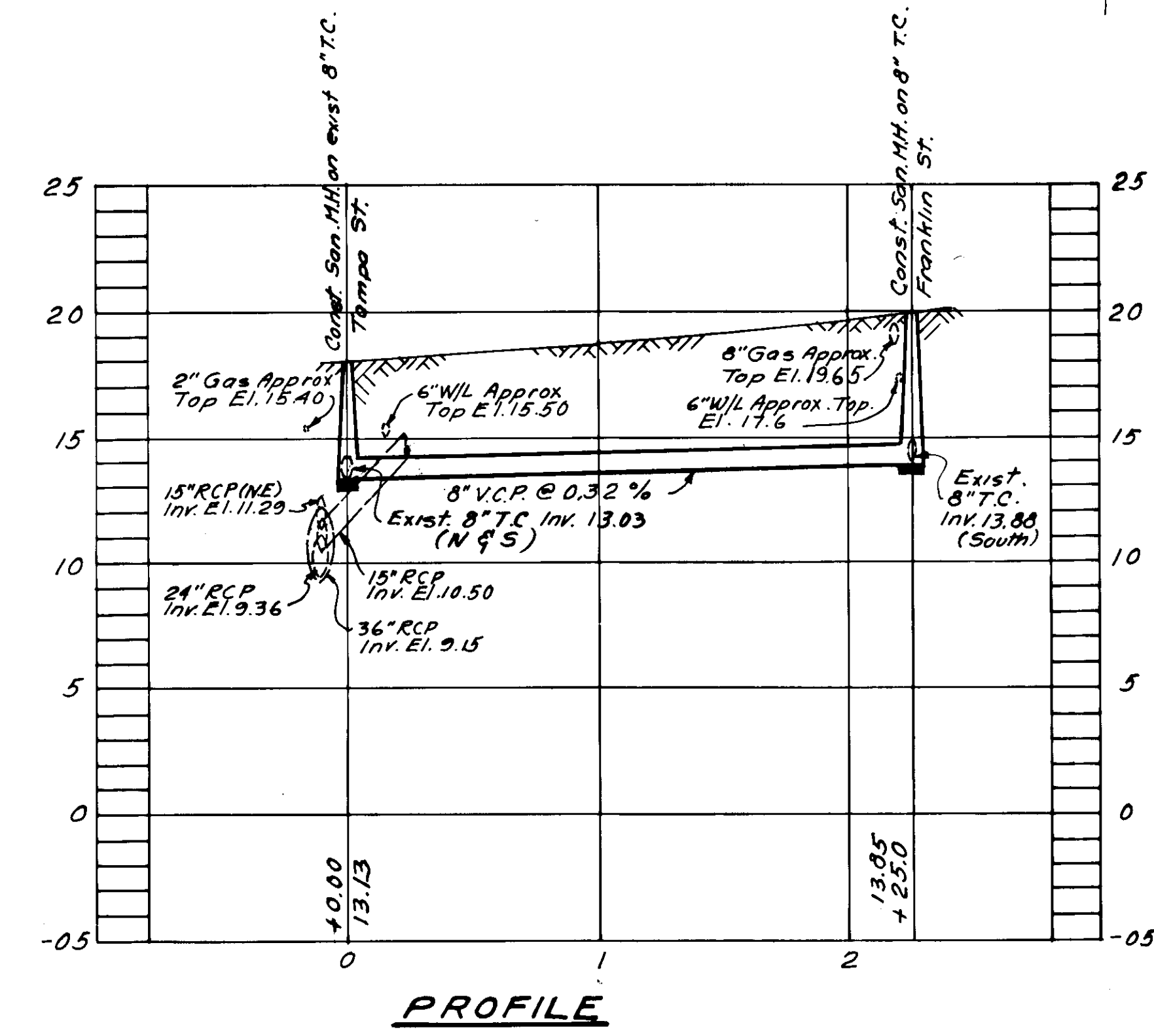
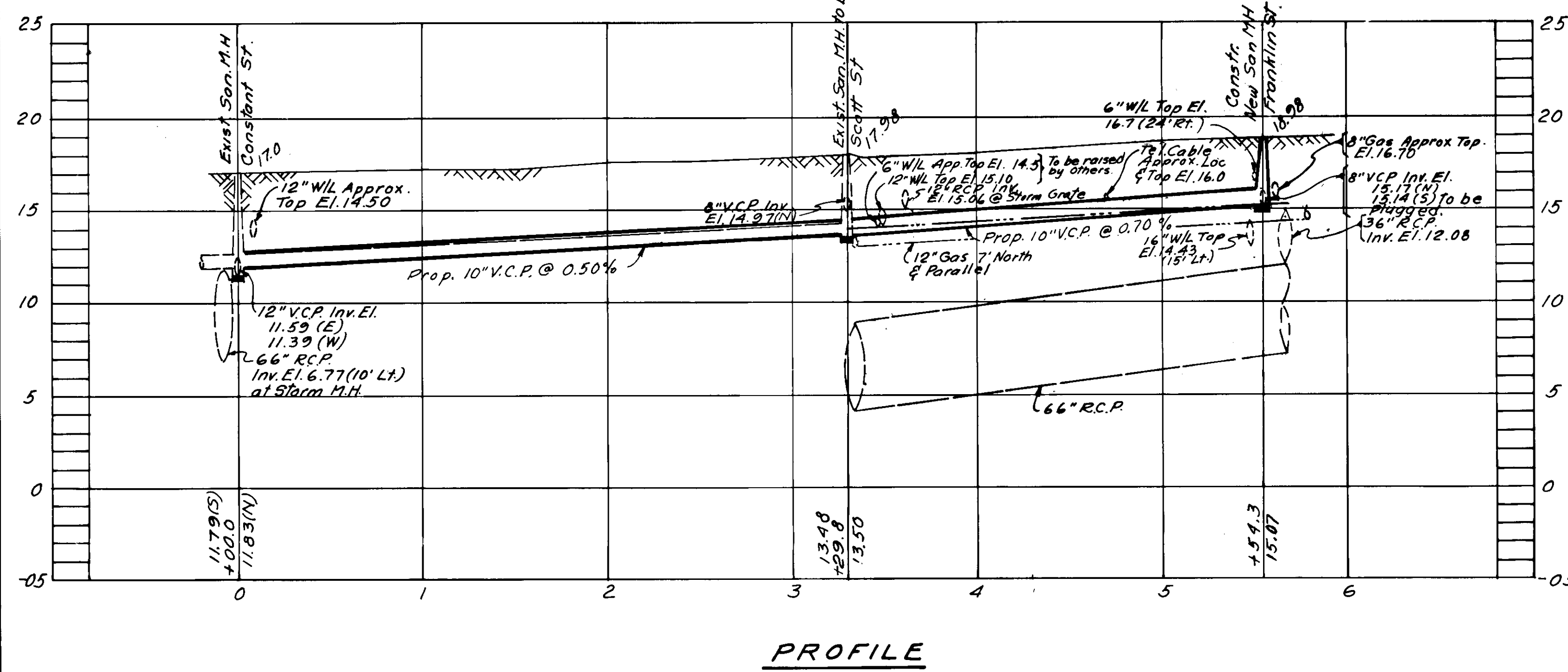
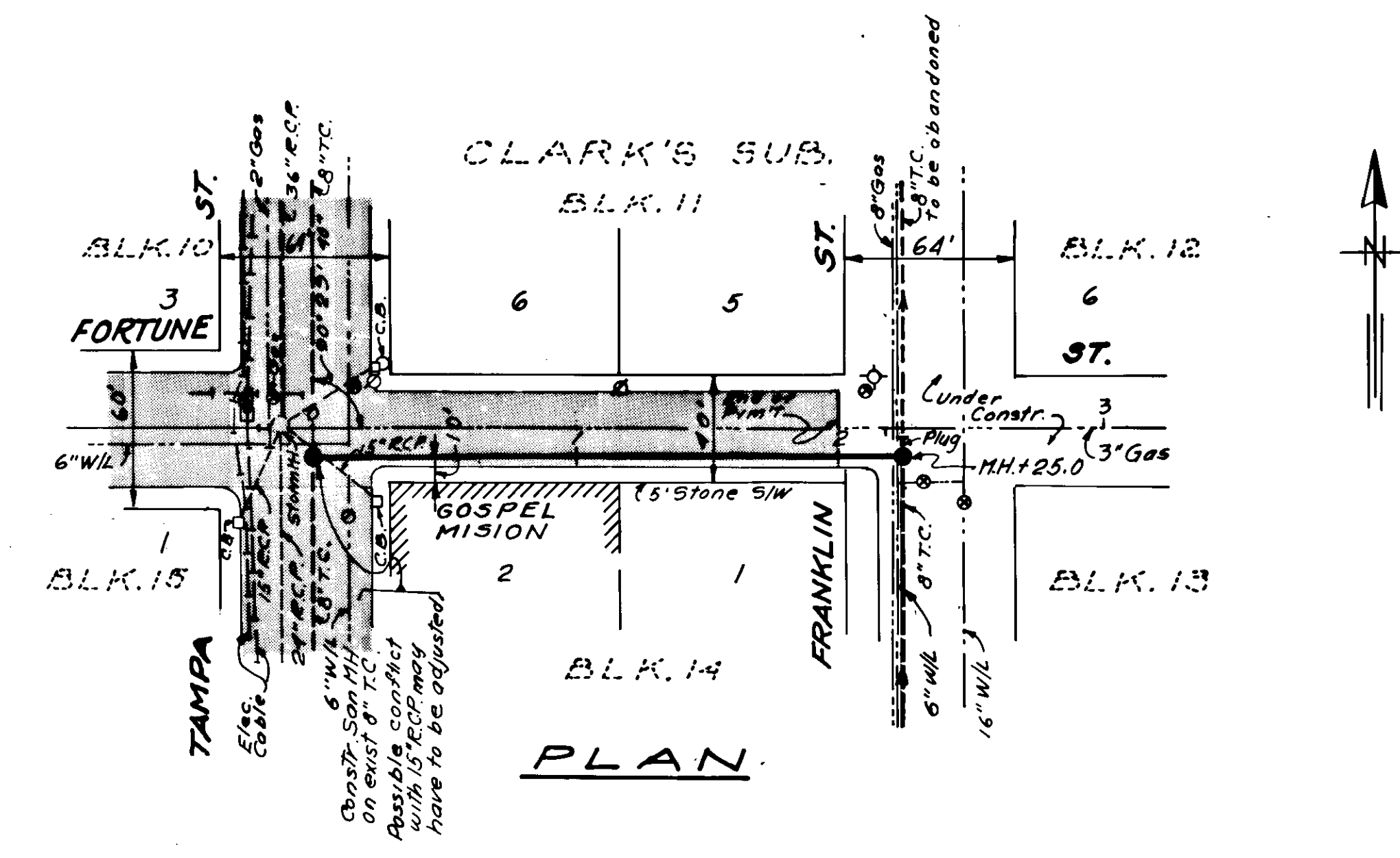
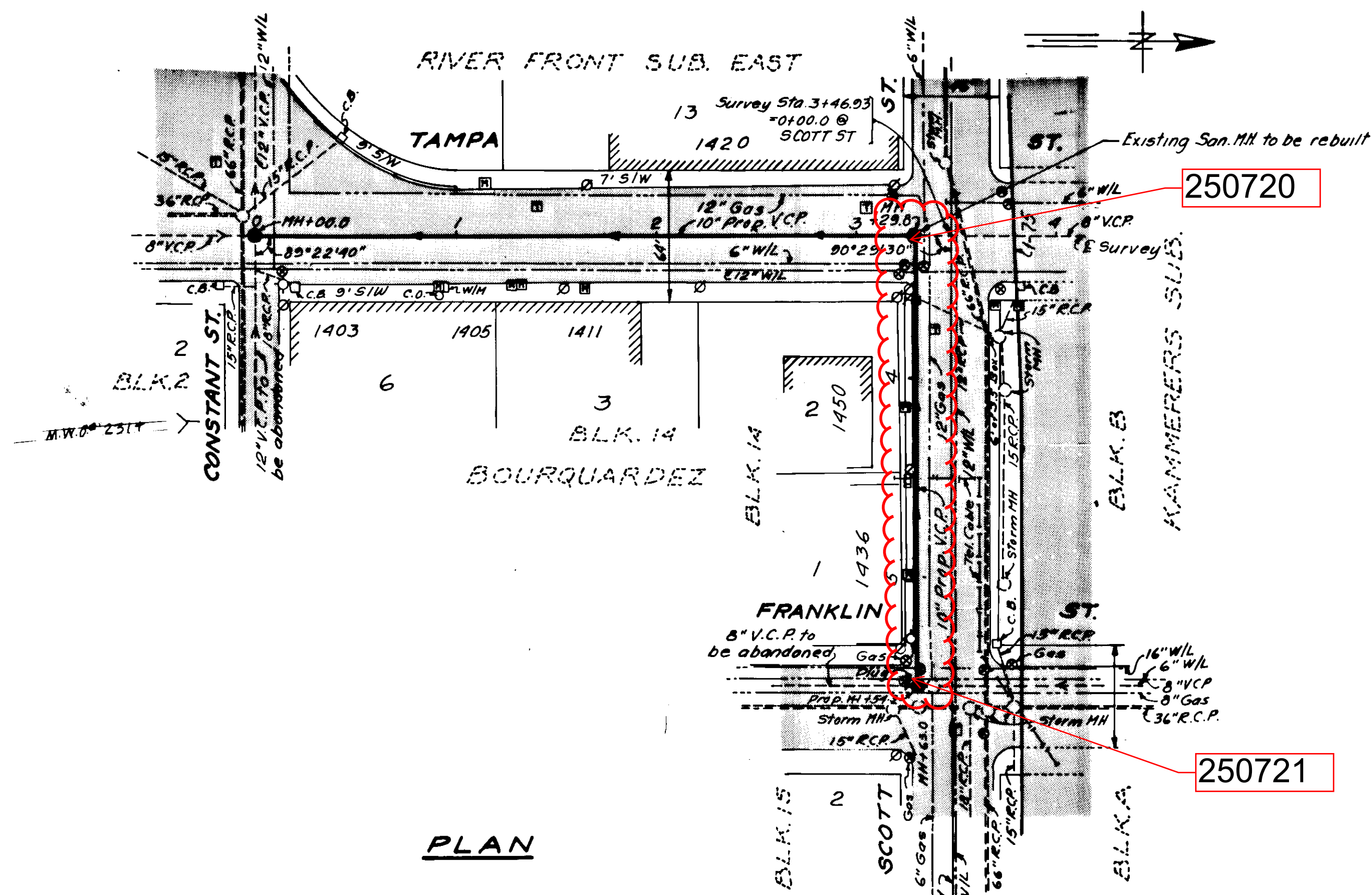


James H. Anthony
P.E. No. 6122

AS BUILT DRAWINGS

128-38
128-37

128-037

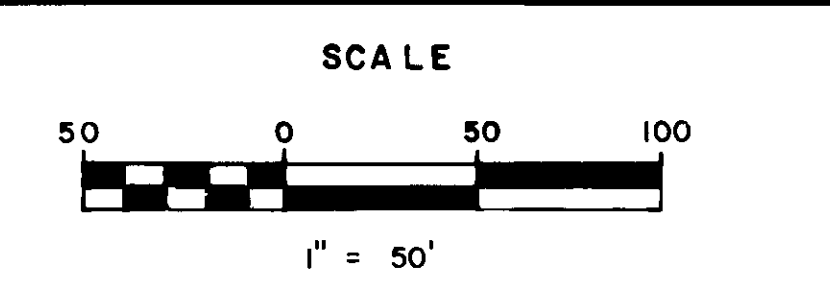


W.O. 7696

DES: J. R.
DRN: E. R.
CKD: M. J. A.
DATE
JUNE 1976

APPROVED BY
J.W. Silliman
J.W. SILLIMAN, PE., DIRECTOR
DEPARTMENT OF SANITARY SEWERS

N ^o	DATE	REVISIONS
1		
2		
3		
4		
5		

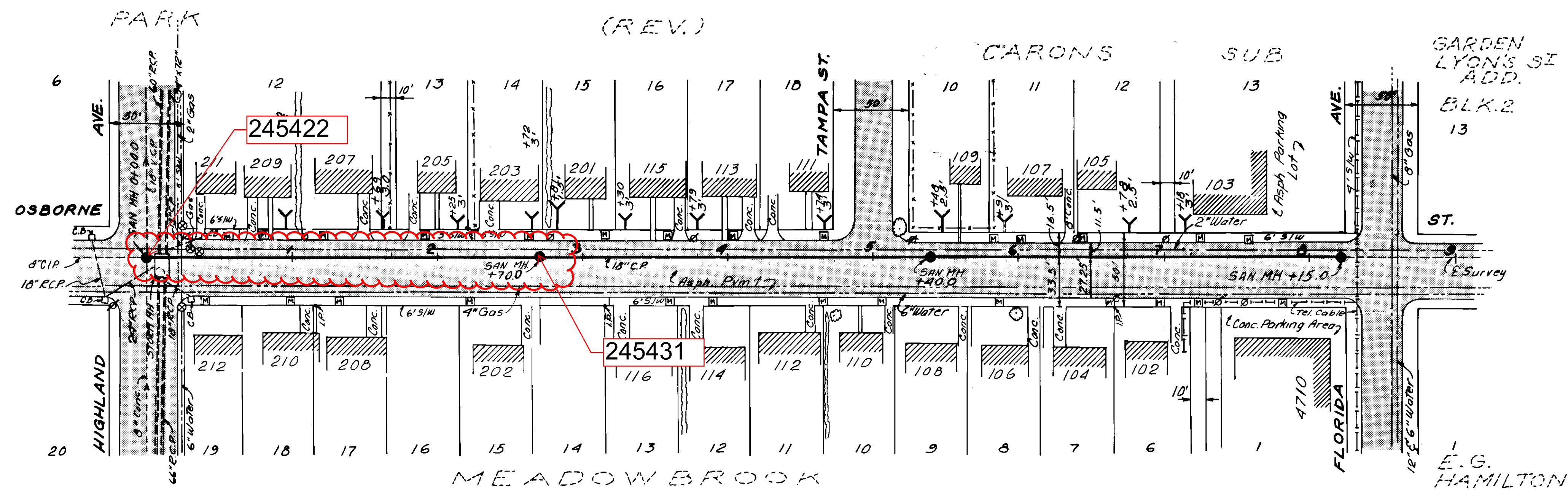


DEPARTMENT OF SANITARY SEWERS
CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

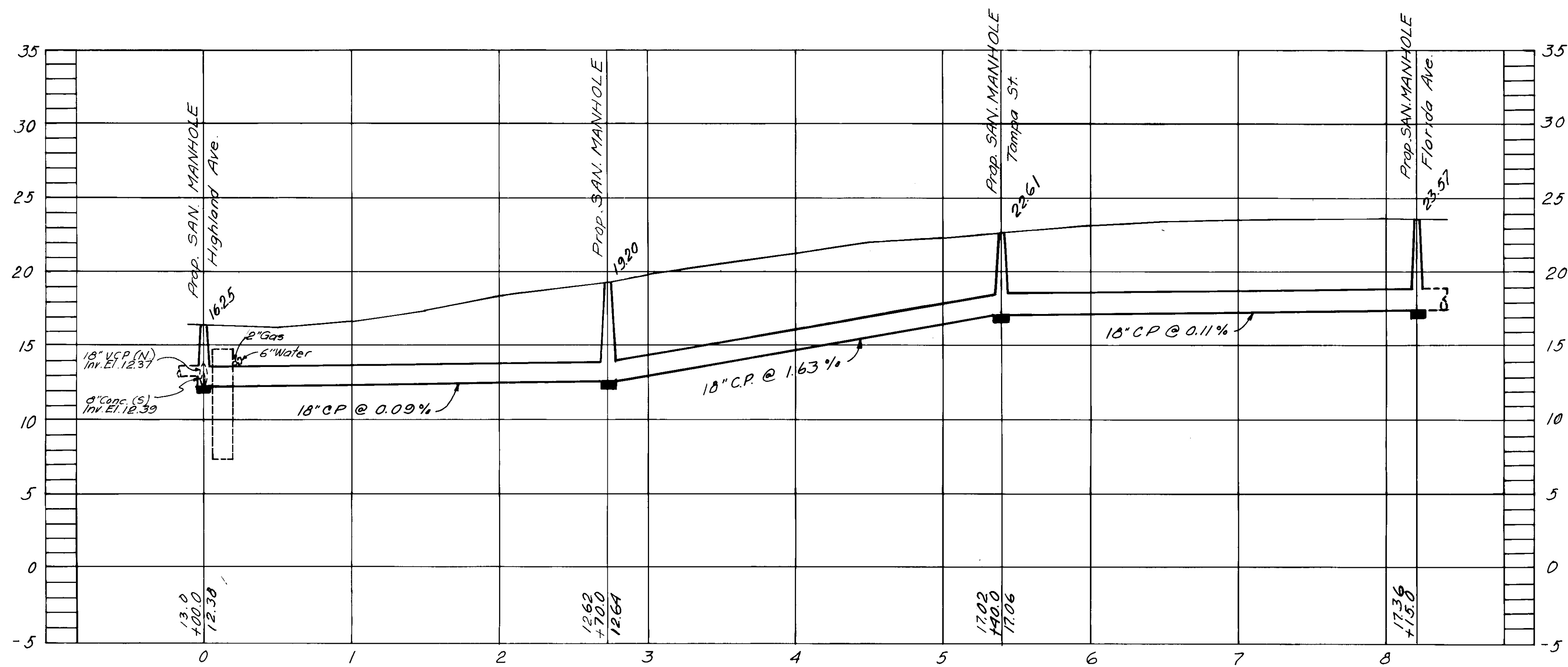
TAMPA ST.: From Constant St. to Scott St.
SCOTT ST.: From Tampa St. to Franklin St.
FORTUNE ST.: From Tampa St. to Franklin St.

SHEET
OF

136-038



PLAN
WO. 7692



PROFILE

SEWER LINE LOCATION	
SEQ. MAP No.	LINE No.
F-12	66

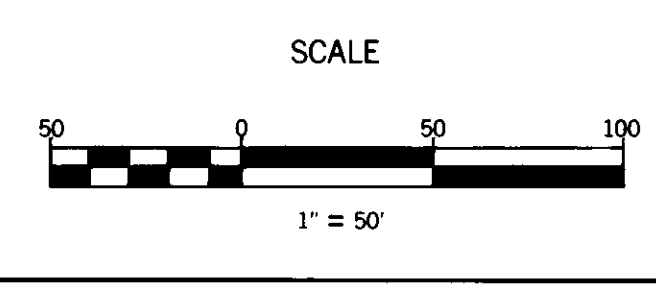
BRUNING 44.132.29817

DESIGNED BY
ELTON G. SMITH, P.E.
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

DESIGN NO.
DRN: E.R.
CHKD:
DATE: 2-77

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

NO.	DATE	REVISIONS
1	2/15/77	
2		
3		
4		
5		



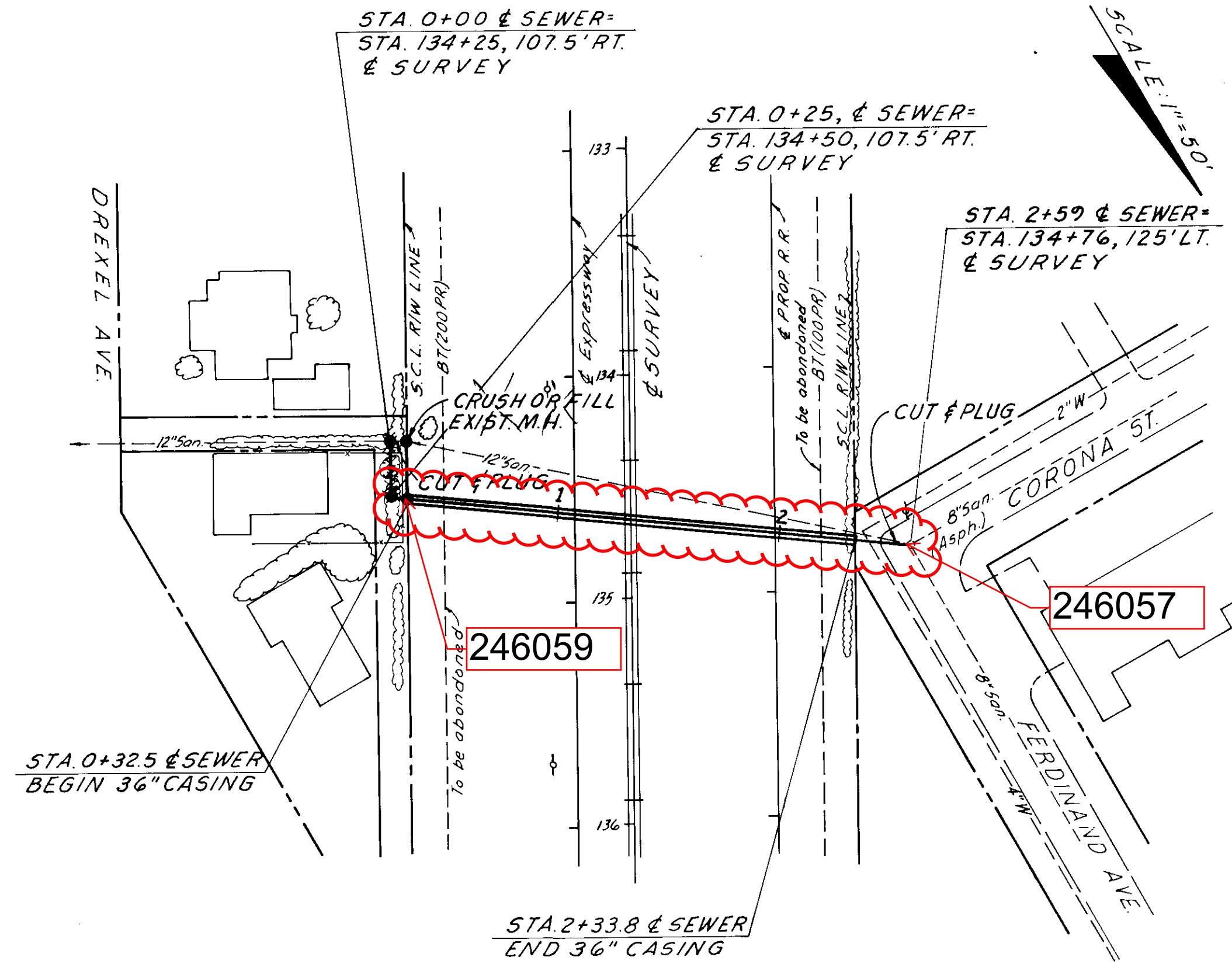
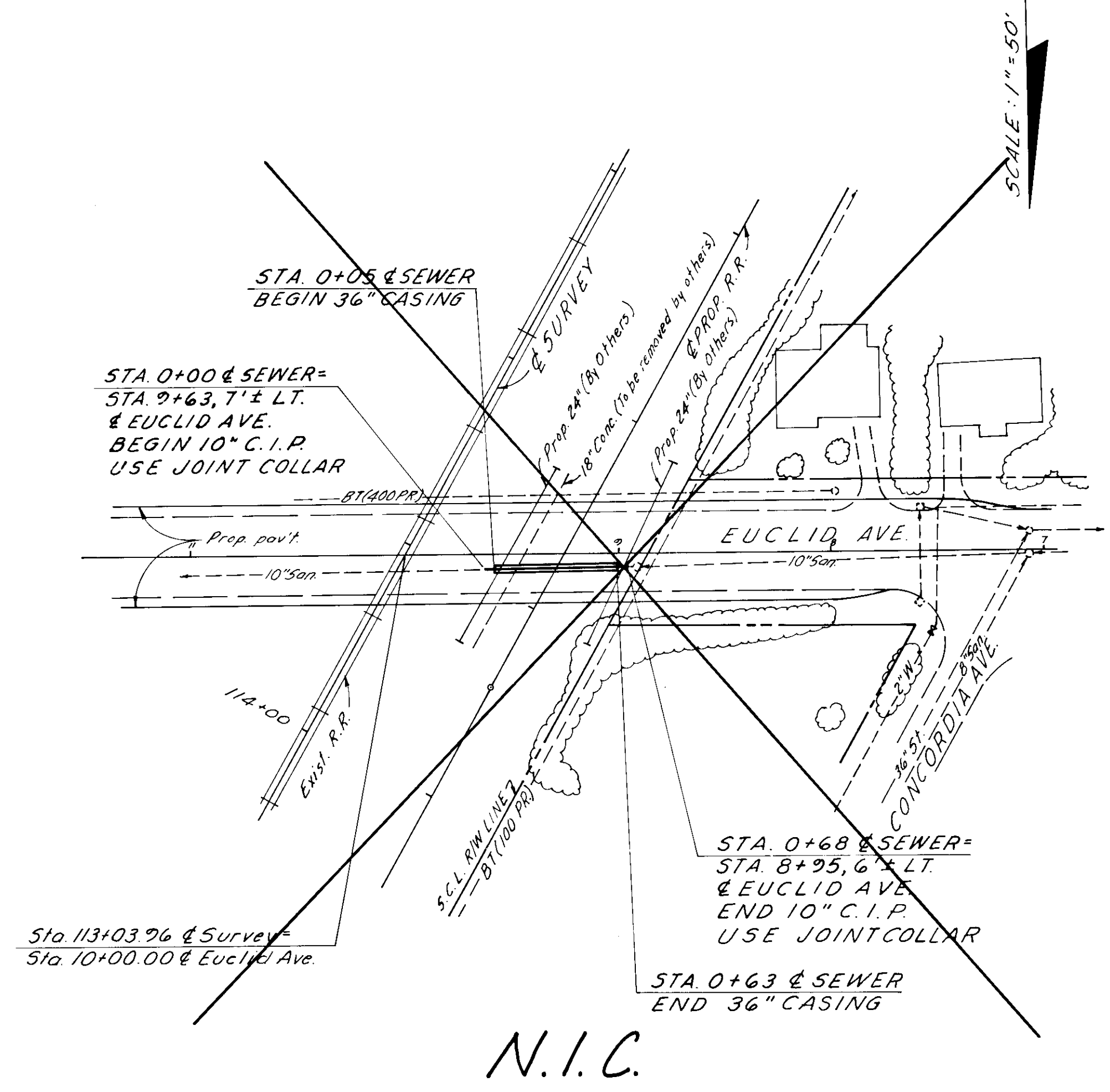
DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA

OSBORNE ST.: From Highland Ave.
to Florida Ave.

SHEET

138-044

DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



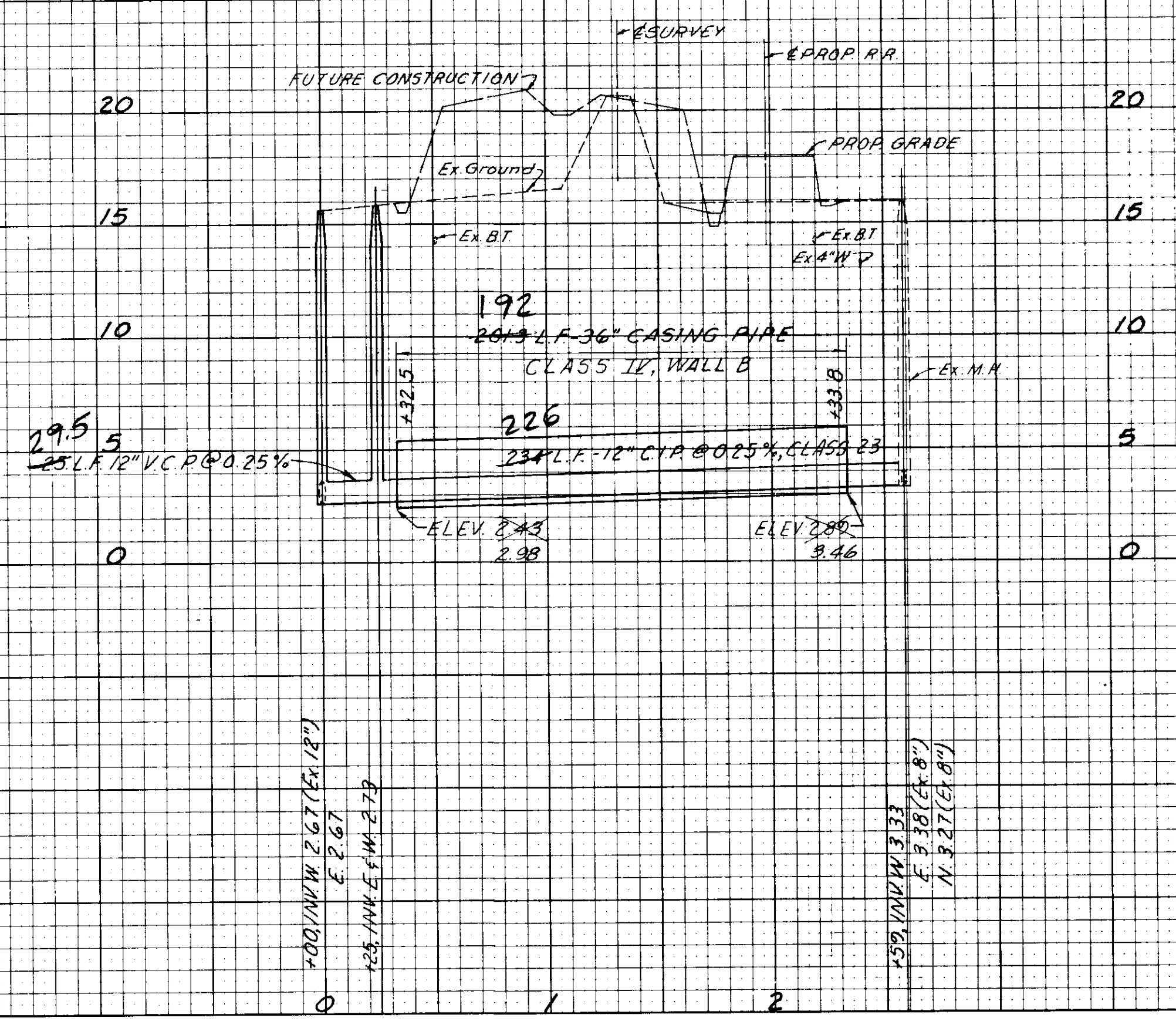
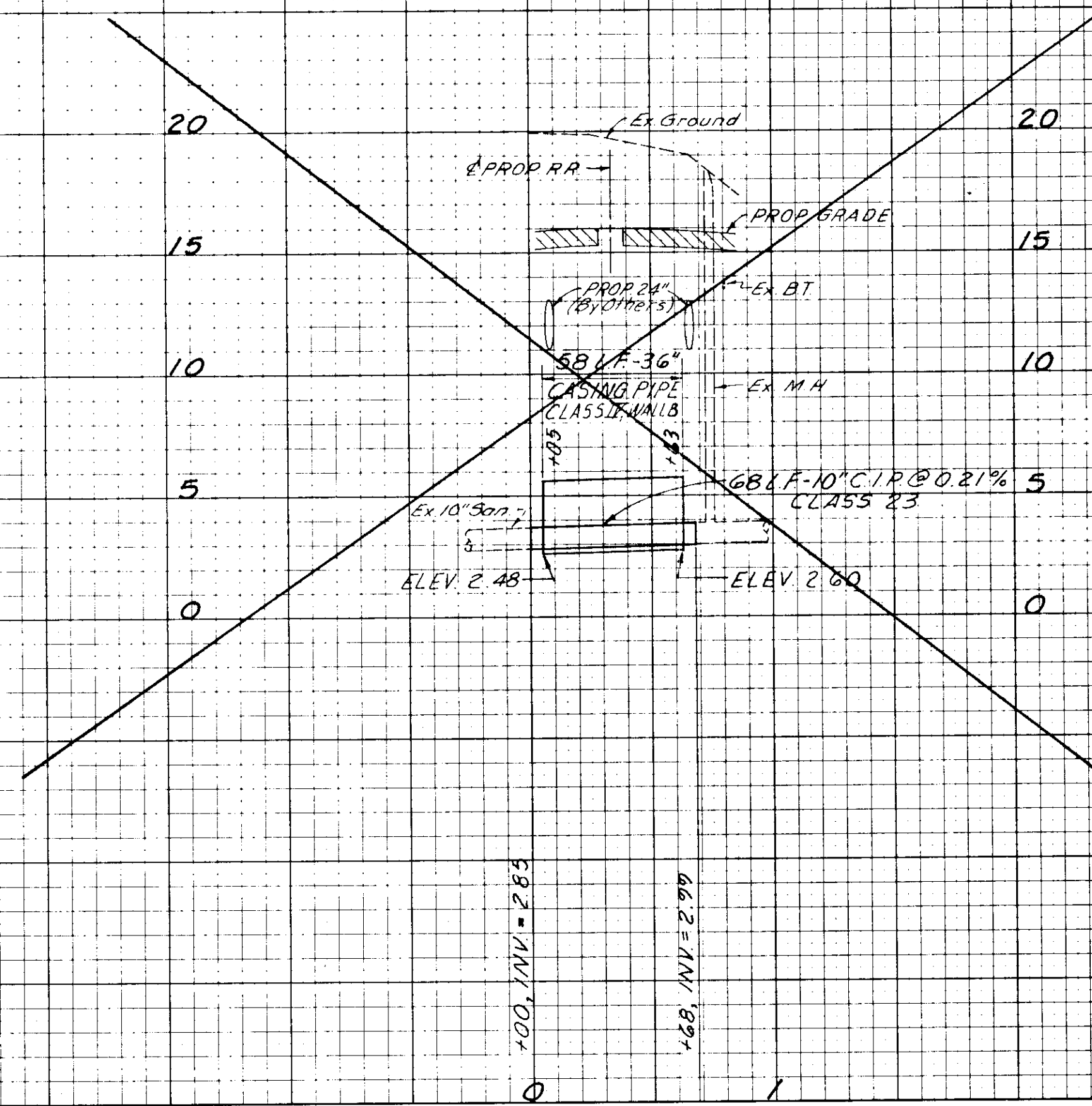
GENERAL NOTES

1. Those sewers which are to cross both the proposed tracks and the existing tracks shall be constructed in stages. The western portion shall be constructed prior to the construction of the proposed tracks and the easterly portion shall be constructed after the existing tracks have been removed. It is not intended that the proposed sewers be jacked or tunneled under the existing tracks. The cost of temporary sewer connections and all required pumping to accomplish this work shall be included in the price bid for the various sewer items.
2. The Contractor shall maintain flows of existing sewers at all times.
3. The Contractor shall submit to the Engineer for approval his method of construction and maintaining flows for all crossings.
4. The lines and grades of existing utilities shown on the drawings are approximate only. The Contractor shall verify the location and elevations of all existing utilities affecting his work prior to construction. It will be the Contractor's responsibility to protect said utilities from damage caused by his operations, whether shown on the plans or not.

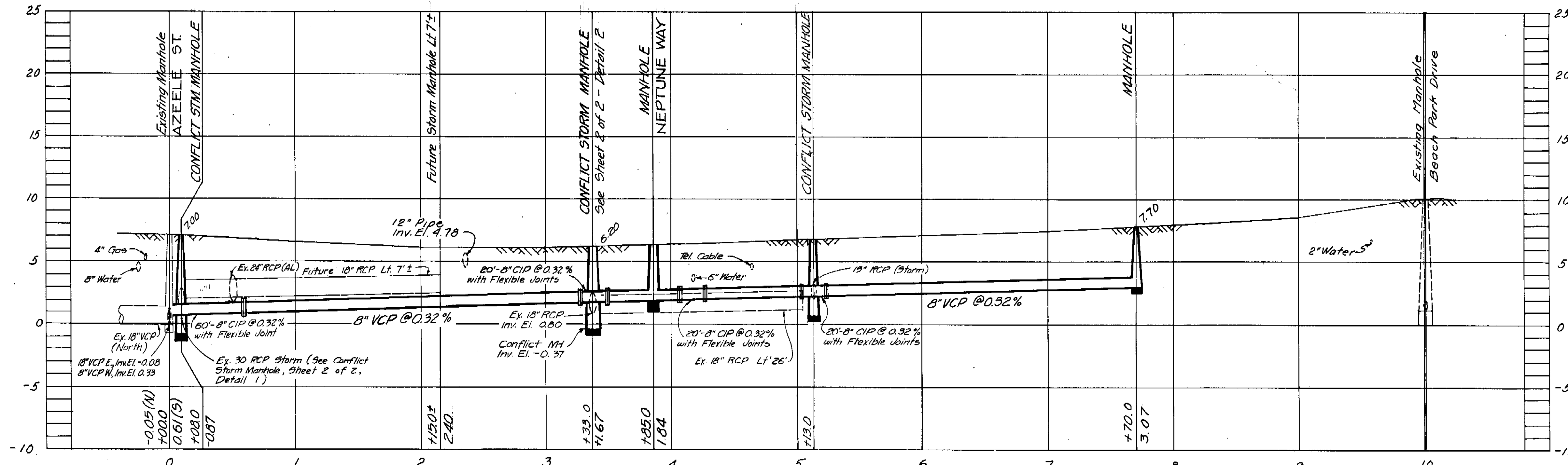
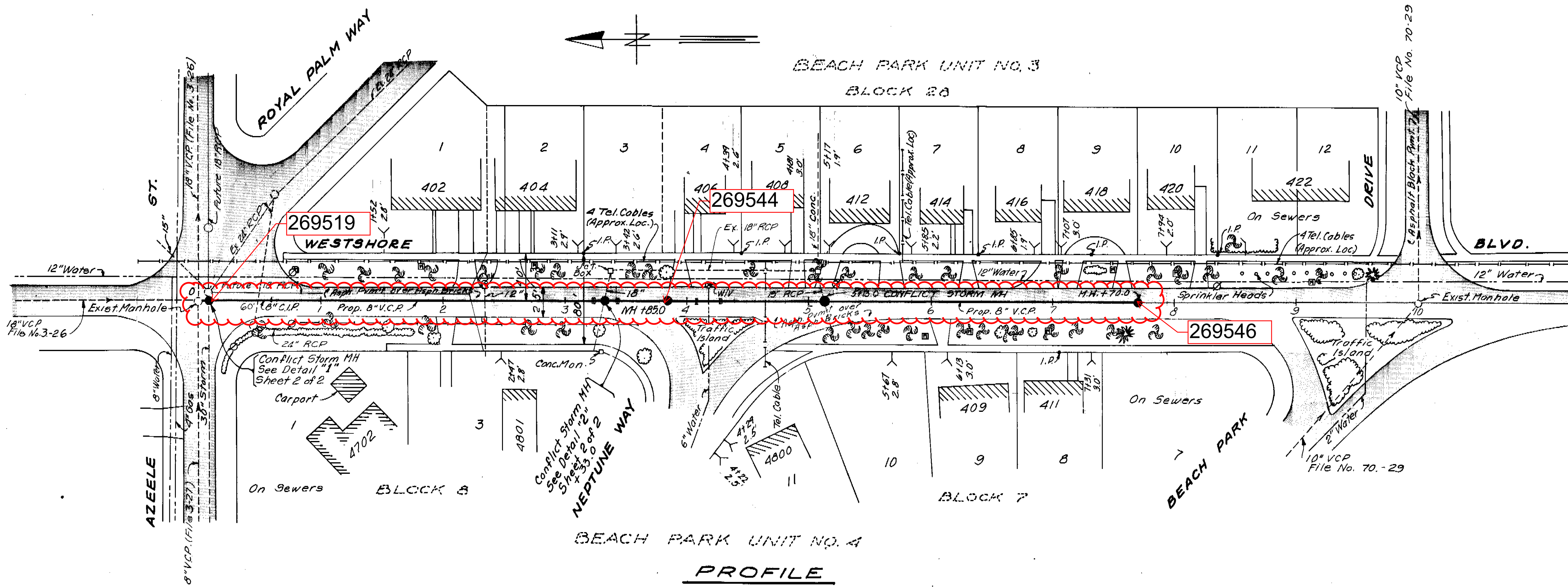
SEWER LINE LOCATION

SEC. MAT. NO. 140-011

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



AS BUILT DRAWINGS

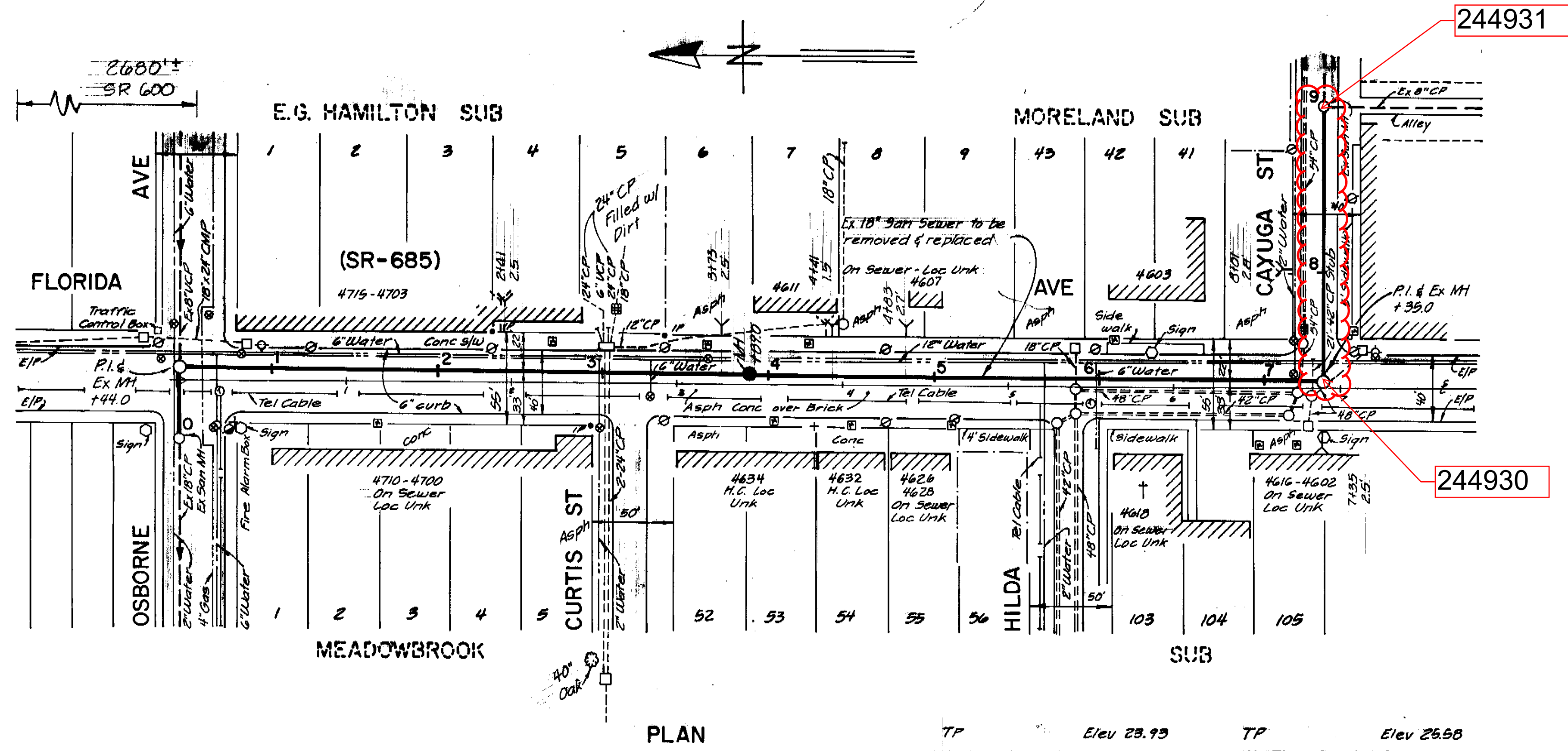


NOTES: New house connection locations are representative only and the exact locations should be determined in the field at the time of construction. House connections from Sta. 3+33.0 to Sta. 5+08.0 (east side) should pass above the existing 18" RCP Storm Sewer. The house connection to 402 South West Shore Blvd. should pass below the proposed 18" RCP Storm Sewer.

PROFILE
W.O. 5512

 ELTON J. SMITH P.E. CHIEF ENGINEER DEPARTMENT OF SANITARY SEWERS	DES: M.J.A.	APPROVED BY	<table border="1"> <thead> <tr> <th>N</th> <th>DATE</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>8-77</td> <td>Manhole at Sta. 38.0 redesigned into South Florida</td> </tr> <tr> <td>2</td> <td>9-77</td> <td>Revised to reflect changes in pipe's drainage position</td> </tr> <tr> <td>3</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> </tr> </tbody> </table>	N	DATE	REVISIONS	1	8-77	Manhole at Sta. 38.0 redesigned into South Florida	2	9-77	Revised to reflect changes in pipe's drainage position	3			4			5		
	N	DATE		REVISIONS																	
	1	8-77		Manhole at Sta. 38.0 redesigned into South Florida																	
	2	9-77		Revised to reflect changes in pipe's drainage position																	
	3																				
4																					
5																					
DRN: C.S./E.R.	J.W. SILLIMAN, PE., DIRECTOR	SCALE 1" = 50'																			
CKD.																					
DATE																					
JULY 1976																					
		DEPARTMENT OF SANITARY SEWERS CITY OF TAMPA, FLORIDA RENEWAL & REPLACEMENT SEWER IMPROVEMENTS	WESTSHORE BLVD. SYSTEM SHEET 1 OF 2																		

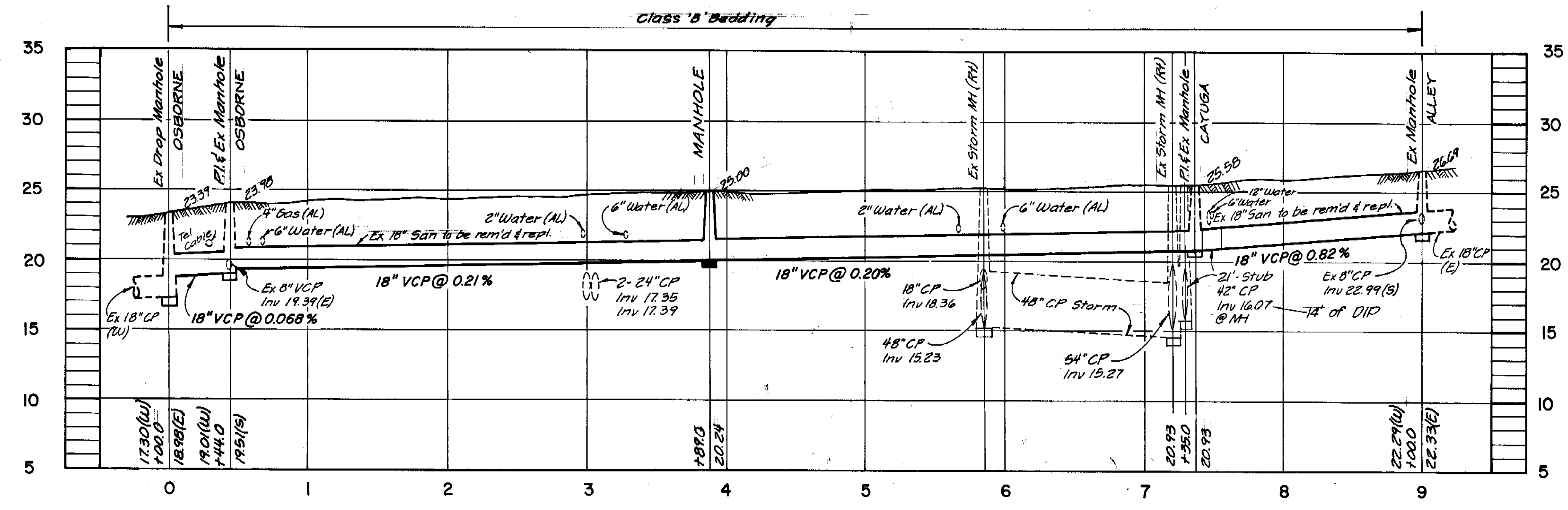
142-39 142-039



- NOTES**
1. All elevations are based on NOS Datum unless otherwise noted.
 2. Location of existing underground utilities was prepared from the most reliable information available. Verify the location and depth of all pertinent utilities prior to construction. Notify utility companies at least 48 hours before beginning construction.
 3. Service connection shown in plan view are representative locations of existing connections of unknown locations or existing service connections - approximate locations known. Service connections should be replaced to provide service to curb line.

NOTE
 ALL BEDDING TO BE CLASS 'B'.
 18" VCP TO BE 'EXTRA STRENGTH'.

PLAN
 TP Elev 23.93 S. Rim San MH @ Osborne & Fla Ave
 TP Elev 25.58 N. Rim San MH @ Cayuga & Fla Ave



PROFILE
 WO 5436
 PU 247

AS BUILT
 House Connections 11-3-80 LYH

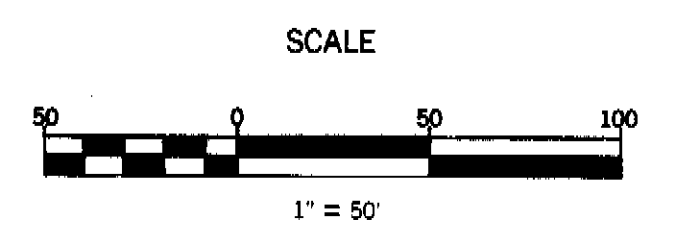
BRUNING 44-132-25917

DES: C.S.
 DRN: C
 CKD: JPM
 DATE:

APPROVED BY

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

No.	DATE	REVISIONS
1	July 80	Gas line # house number corrections. CWV
2		
3		
4		
5		

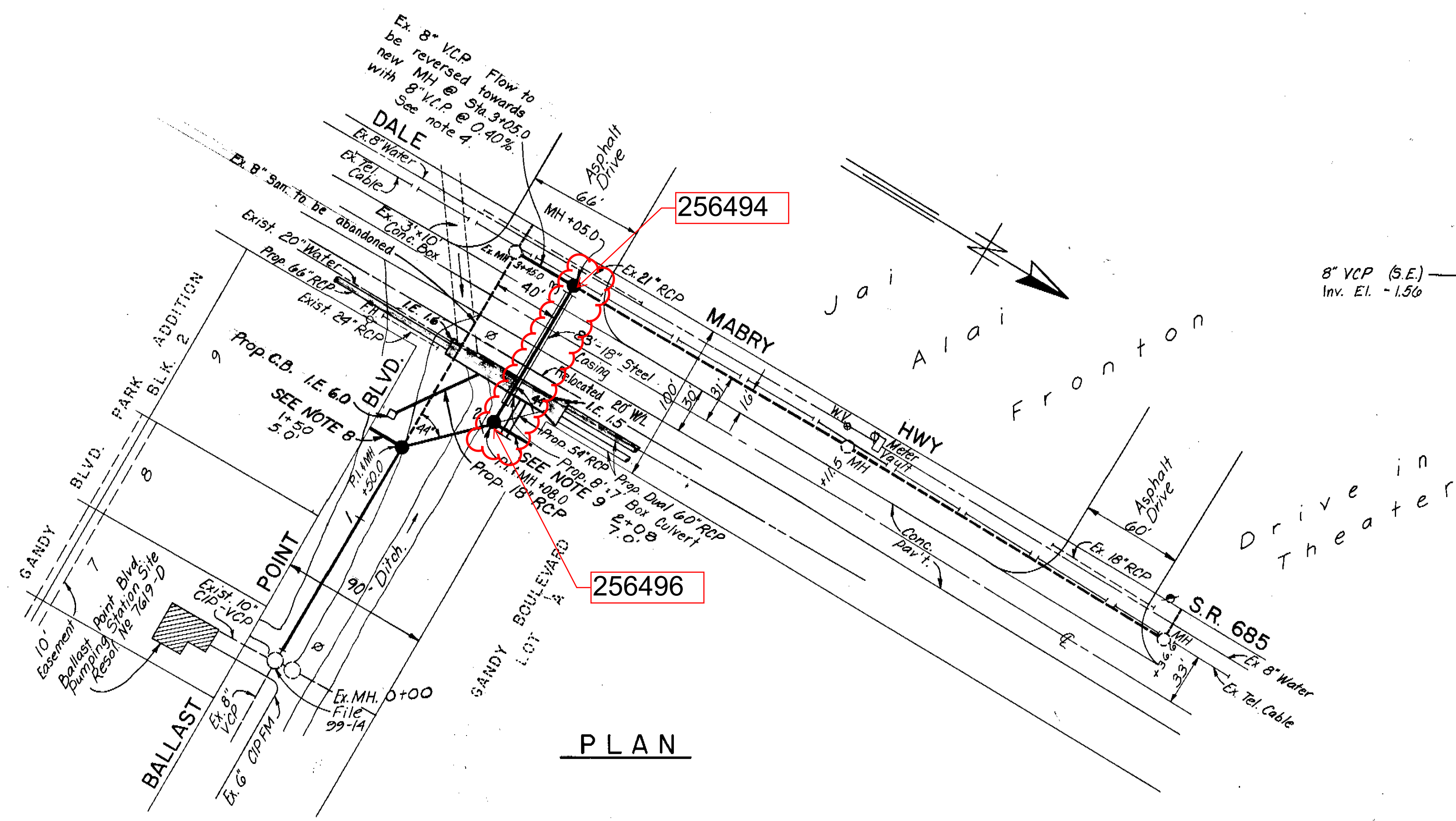


DEPARTMENT of SANITARY SEWERS
 CITY of TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWER IMPROVEMENT

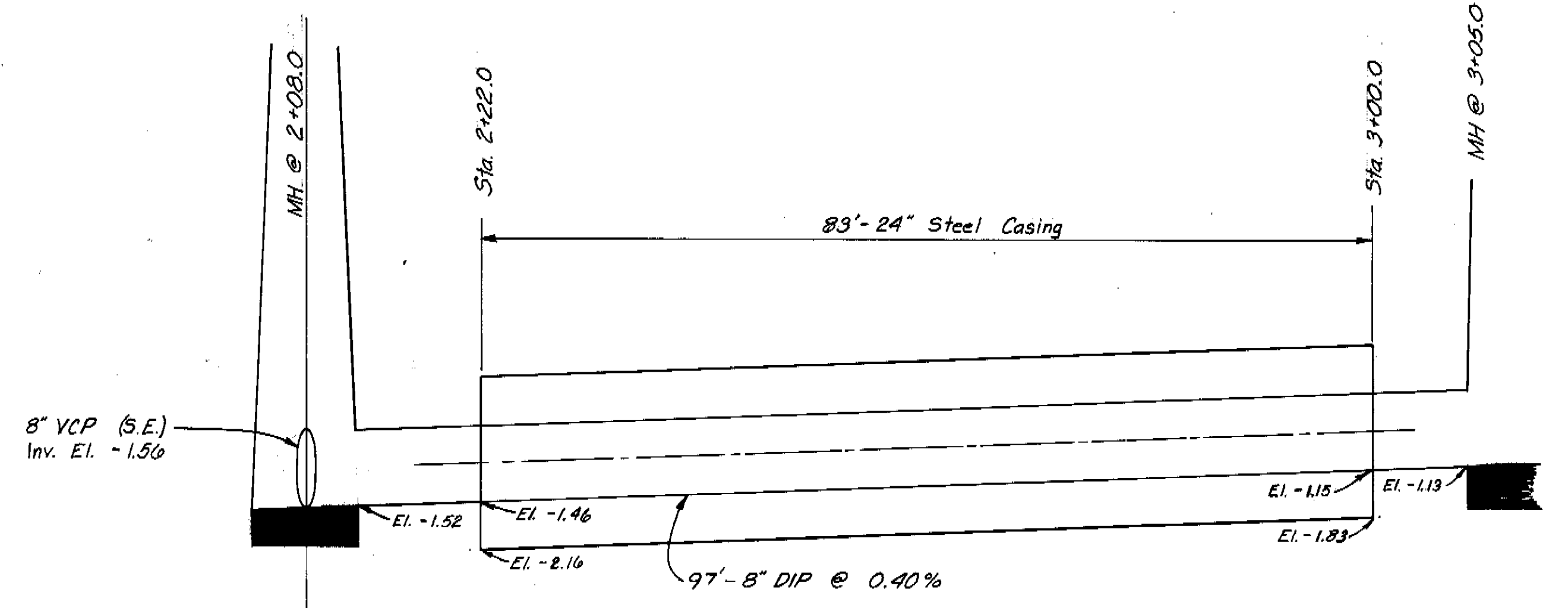
FLORIDA AVE: Osborne Ave to Cayuga St

SHEET

156-024



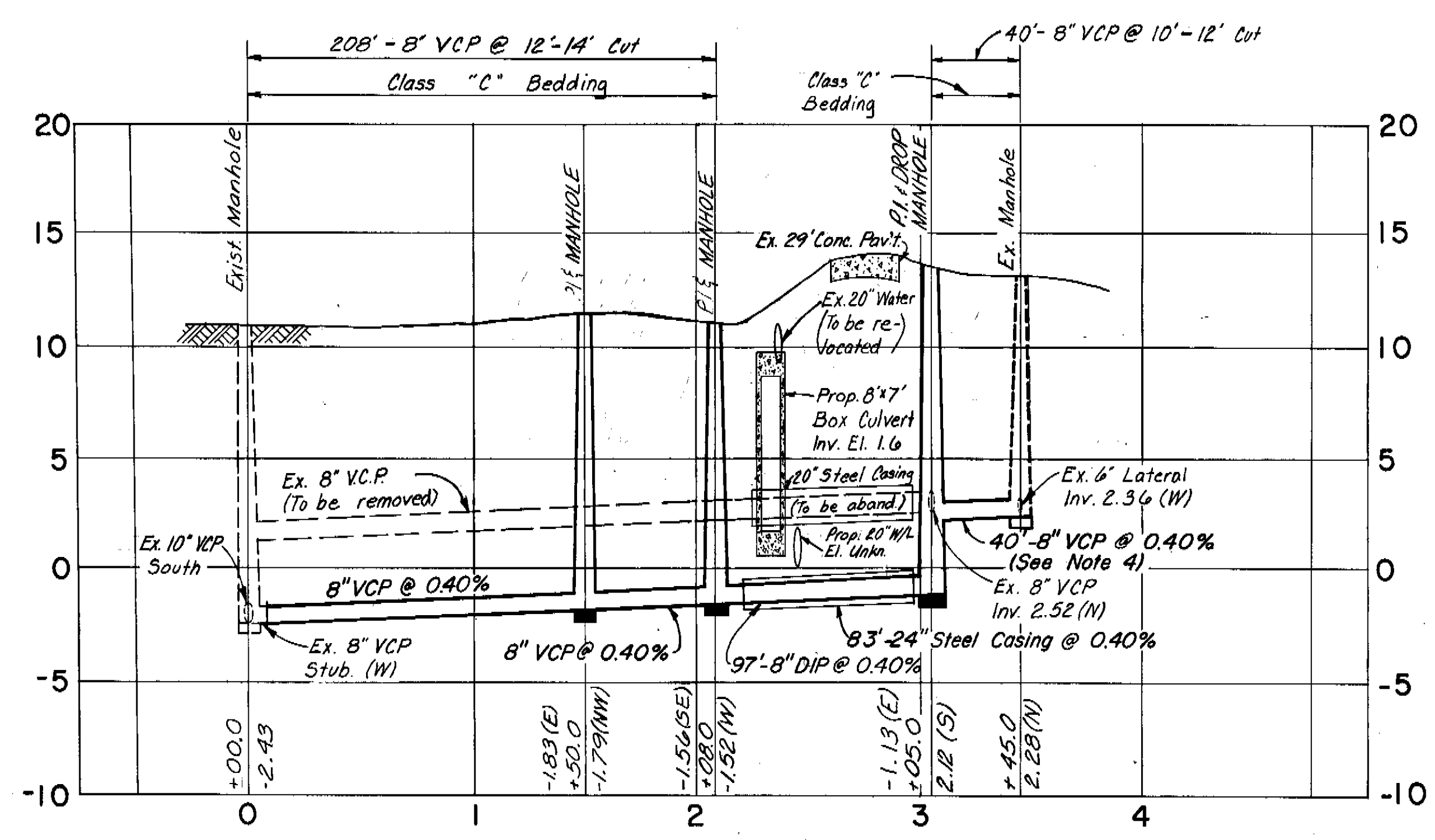
PLAN



JACKING DETAIL
NO SCALE

NOTES:

- All elevations are based on NOS Datum unless otherwise noted.
- Location of existing underground utilities was prepared from the most reliable information available. Verify the location and depth of all pertinent utilities prior to construction. Notify utility companies at least 48 hours before beginning construction.
- Patch pavement as required with Asphaltic Concrete Type S-1.
- The service lateral for the Jai Alai to be reconnected by reversing the flow direction from the existing manhole at Sta. 2+88.0 towards the north into the proposed manhole at Sta. 3+05.0. Construct 40'± of 8" VCP at 0.40%.
- Install 8" DIP from Sta. 2+08.0 to Sta. 3+05.0.
- At MH Sta. 3+45.0, plug 8" VCP (E) at manhole.
- At MH Sta. 3+05.0, reconnect ex. 8" VCP from north into new manhole.
- Add 6" lateral from manhole at Sta. 1+50.0 to south of Ballast Point Blvd. the lateral should be 5'± deep at the R.
- Add 6" lateral from manhole at Sta. 2+08.0 to north of Ballast Point Blvd. the lateral should be laid from the bottom of the manhole and at min. slope in order to pass under the proposed D.O.T. 54" R.C.P. which has an invert of 3.5'. After clearing the prop. 54" RCP, bring the lateral up to elev. 6.5'± at the R.



PROFILE

AS BUILT

W.A. 5/84

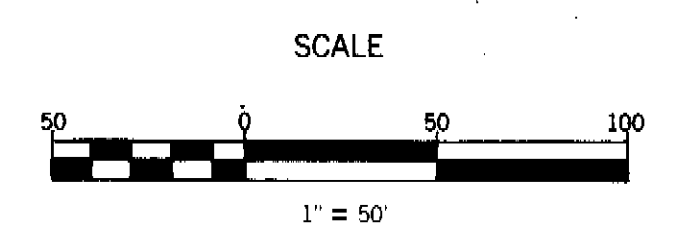
NOTE: Casing extended 5' east Per D. Wilcox on 3-2-84. Also increase casing to 24".

Ralph L. Metcalf II
RALPH L. METCALF, II, P.E. # 23041
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

DES: ATC
DRN: NJM
CKD: *ATC*
DATE: 7/84

APPROVED BY
Elton G. Smith
ELTON G. SMITH, P.E.
DIRECTOR
DEPARTMENT OF SANITARY SEWERS

NO.	DATE	REVISIONS
1	2/27/84	Changed alignment of pipe.
2	2/28/84	Add Sta. 3+05 to Sta. 3+45 to Profile.
3	3/21/84	See notes 8 & 9.
4		
5		

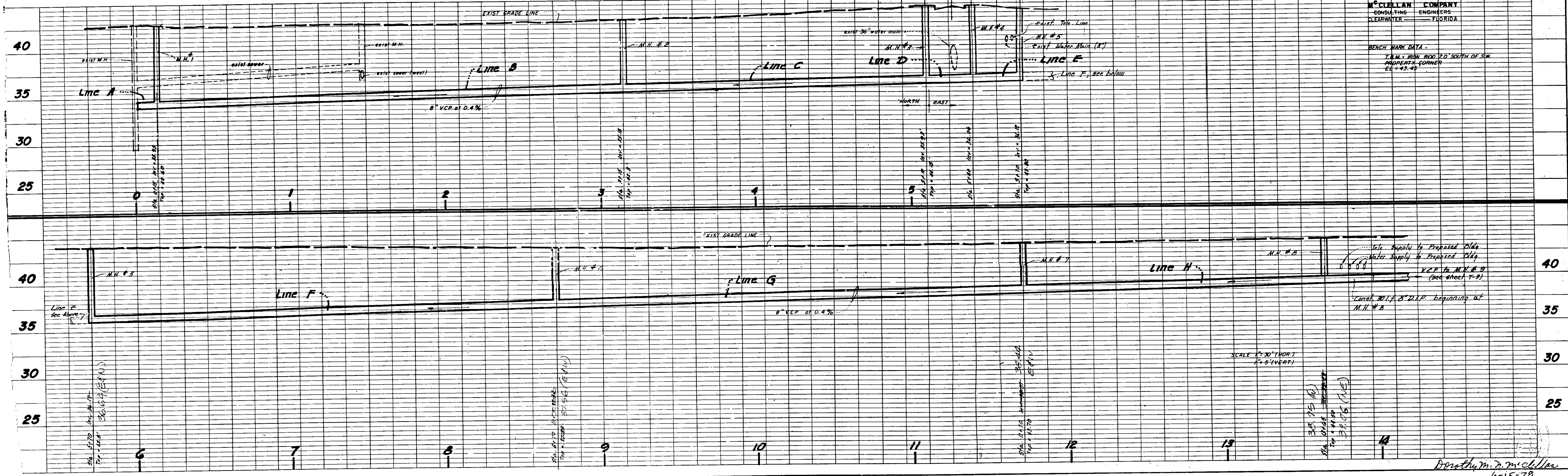
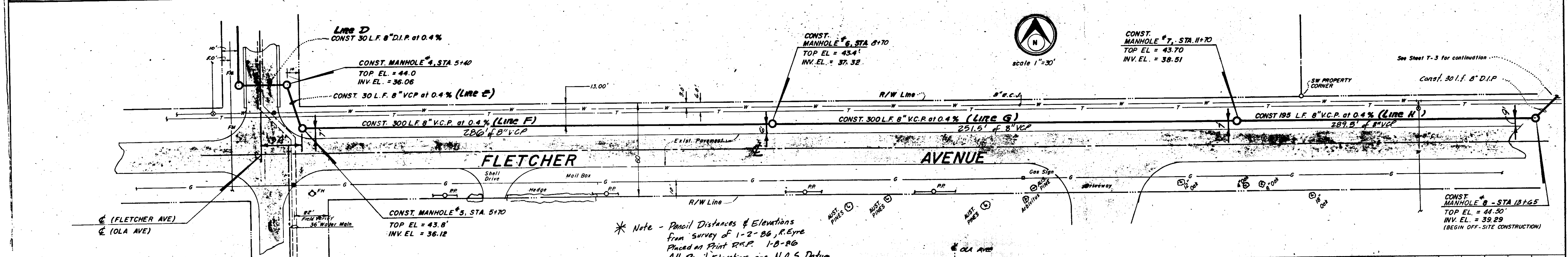
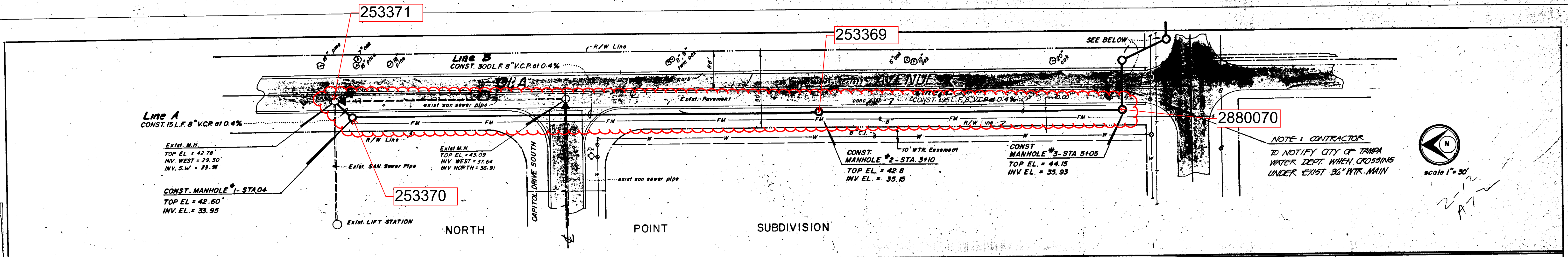


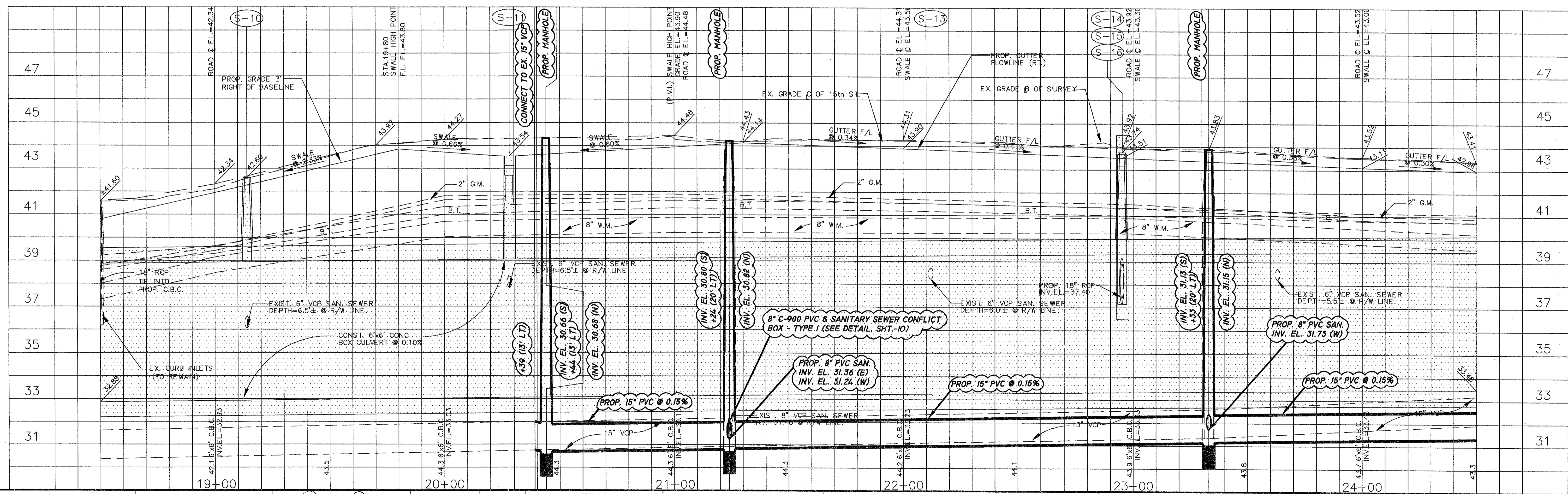
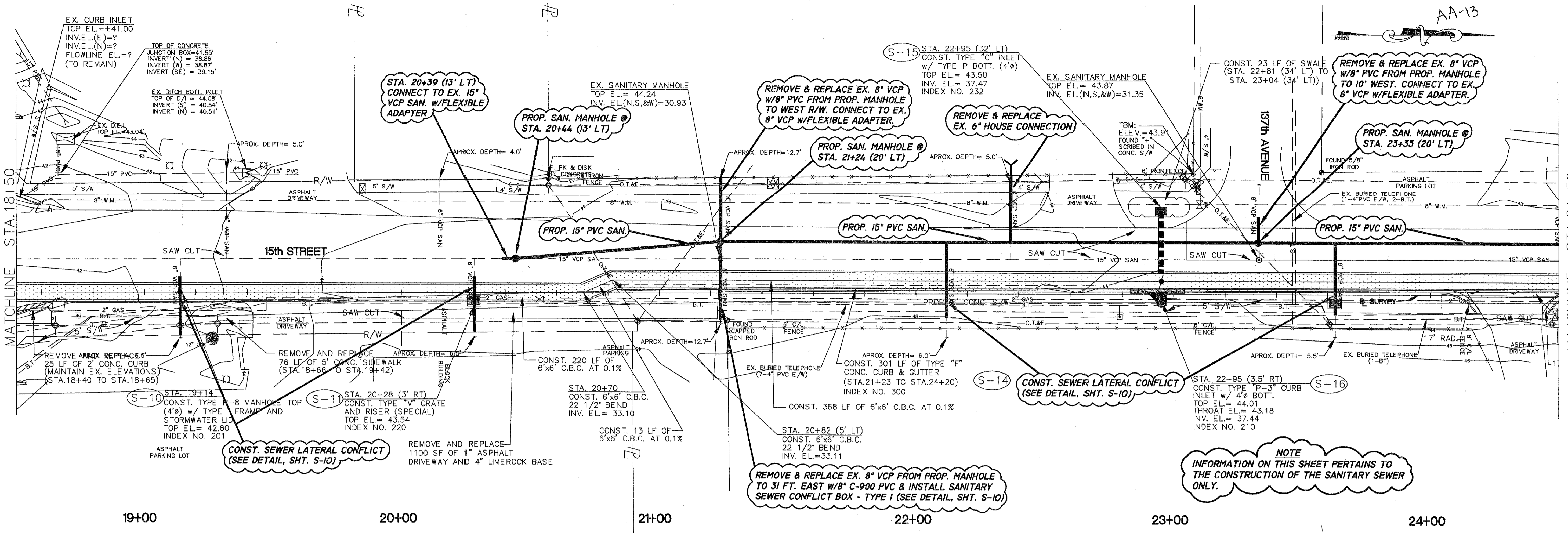
DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENT

BALLAST POINT BOULEVARD
From Ballast Point Pumping Station
to Dale Mabry Hwy. (S.R. 685)

SHEET
175-024

C175-24





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

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

DES: C.L.
DRN:
CKD: TH
DATE: 2/15/44

No.	DATE	REVISIONS
1		
2		
3		
4		
5		

SCALE
1" = 20' HORIZ.
1" = 2' VERT.

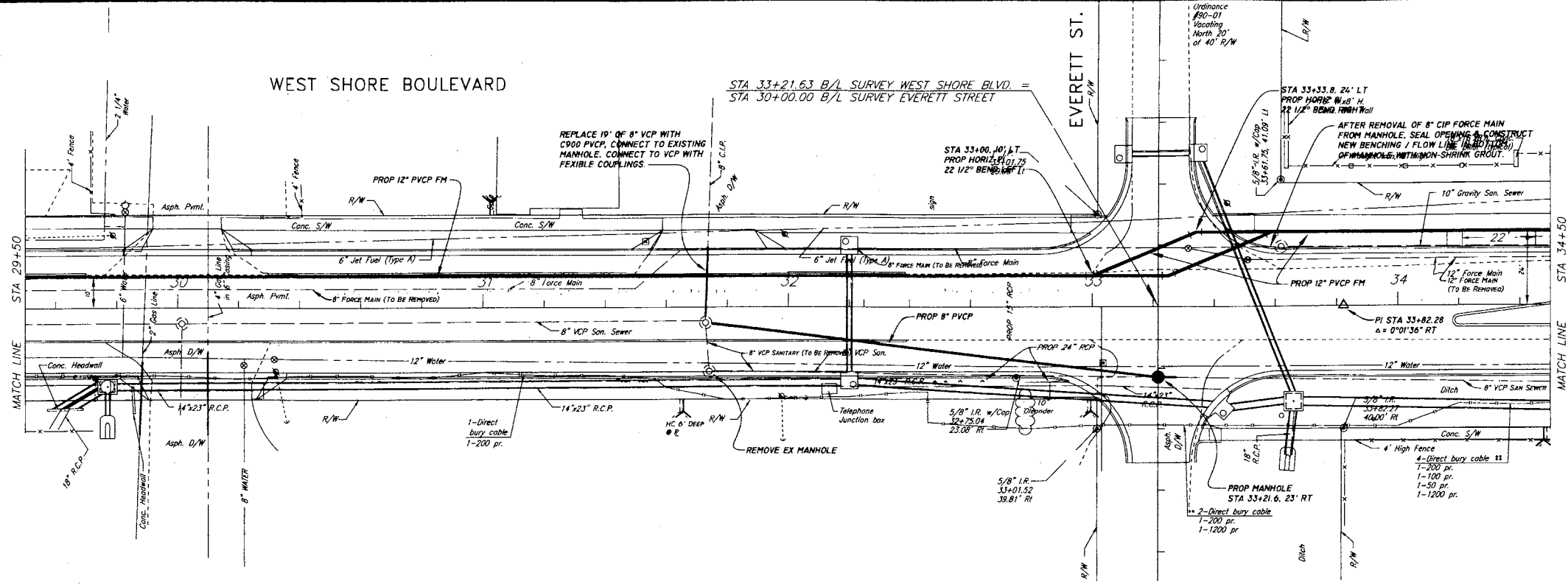
CITY OF TAMPA FLORIDA
 DEPARTMENT OF SANITARY SEWERS
 RENEWAL & REPLACEMENT
 SEWAGE DISPOSAL SYSTEM

PLAN & PROFILE
BEARSS AVE./DUCK POND, PH. II
SANITARY SEWER RELOCATIONS

DESIGN W.O. 5719
CONSTRUCTION W.O.

SHEET
S-5
OF 13

3309-038



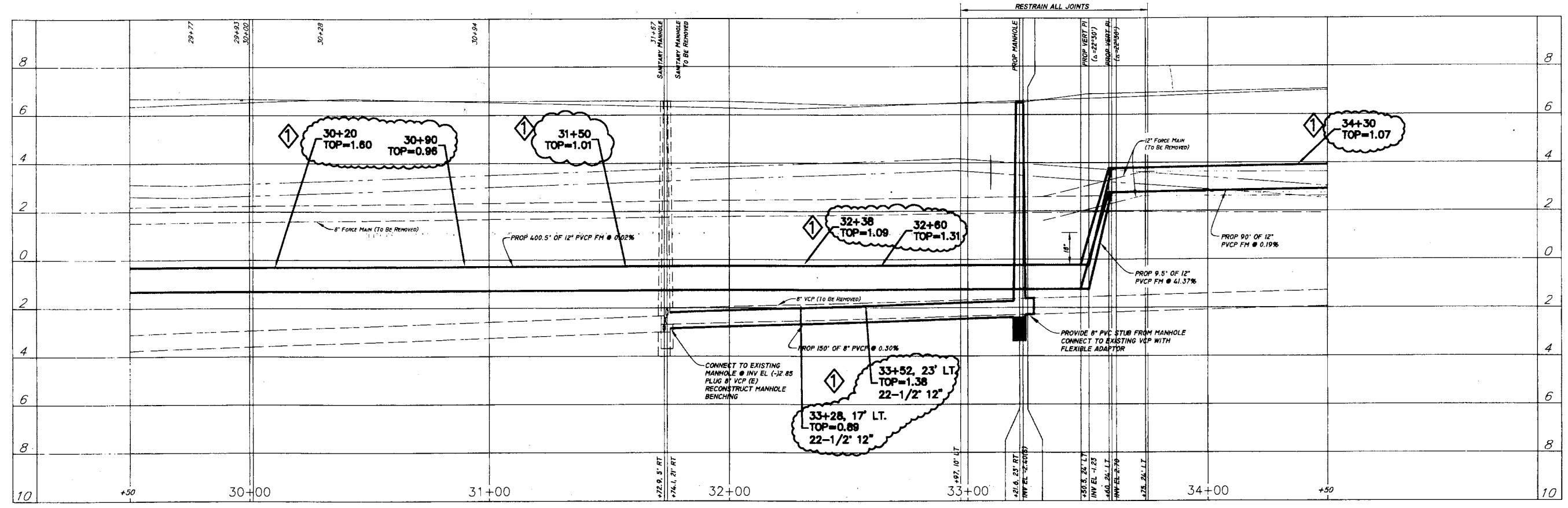
Circuit No. 5B, Mack No. B-0379, El. 7.174
 Description: Cut in northeast corner concrete sidewalk on southwest corner WEST SHORE Boulevard and McCoy Street.

Scale: 1" = 20'

02/2005 ADD AS-BUILT INFORMATION PER CONTRACTOR
SANITARY SEWER AS-BUILT SURVEY
SHEET 6 OF 20

NOTE:
 DEFLECT JOINTS TO ACCOMMODATE BASELINE ANGLE DEFLECTION AT STA 33+82.28

NOTE:
 THE BASE MAP USED WAS PROVIDED BY THE CITY OF TAMPA DEPARTMENT OF PUBLIC WORKS ON 7-31-01.



No.	DATE	REVISIONS
1		
2		
3		
4		
5		

NOTE:
 THE ABOVE BASE MAP AND UTILITY LOCATIONS (PLAN & PROFILE) WAS PROVIDED BY CITY OF TAMPA DEPARTMENT OF PUBLIC WORKS (FILE NO. 4433, JOB NO. P993-30). REFERENCE INFORMATION WAS NOT VERIFIED BY CITY OF TAMPA DEPARTMENT OF SANITARY SEWERS FIELD SURVEYORS.

DES: JPW
 BK
 DRN:
 CKD:
 DATE:

CITY OF TAMPA FLORIDA
DEPARTMENT OF SANITARY SEWERS
RENEWAL & REPLACEMENT
SEWAGE DISPOSAL SYSTEM

WEST SHORE BOULEVARD
INTERBAY BLVD. TO GANDY BLVD.

DESIGN W.O. 5722
 CONSTRUCTION W.O.

SHEET
6
 OF 22

327-006

LEGEND

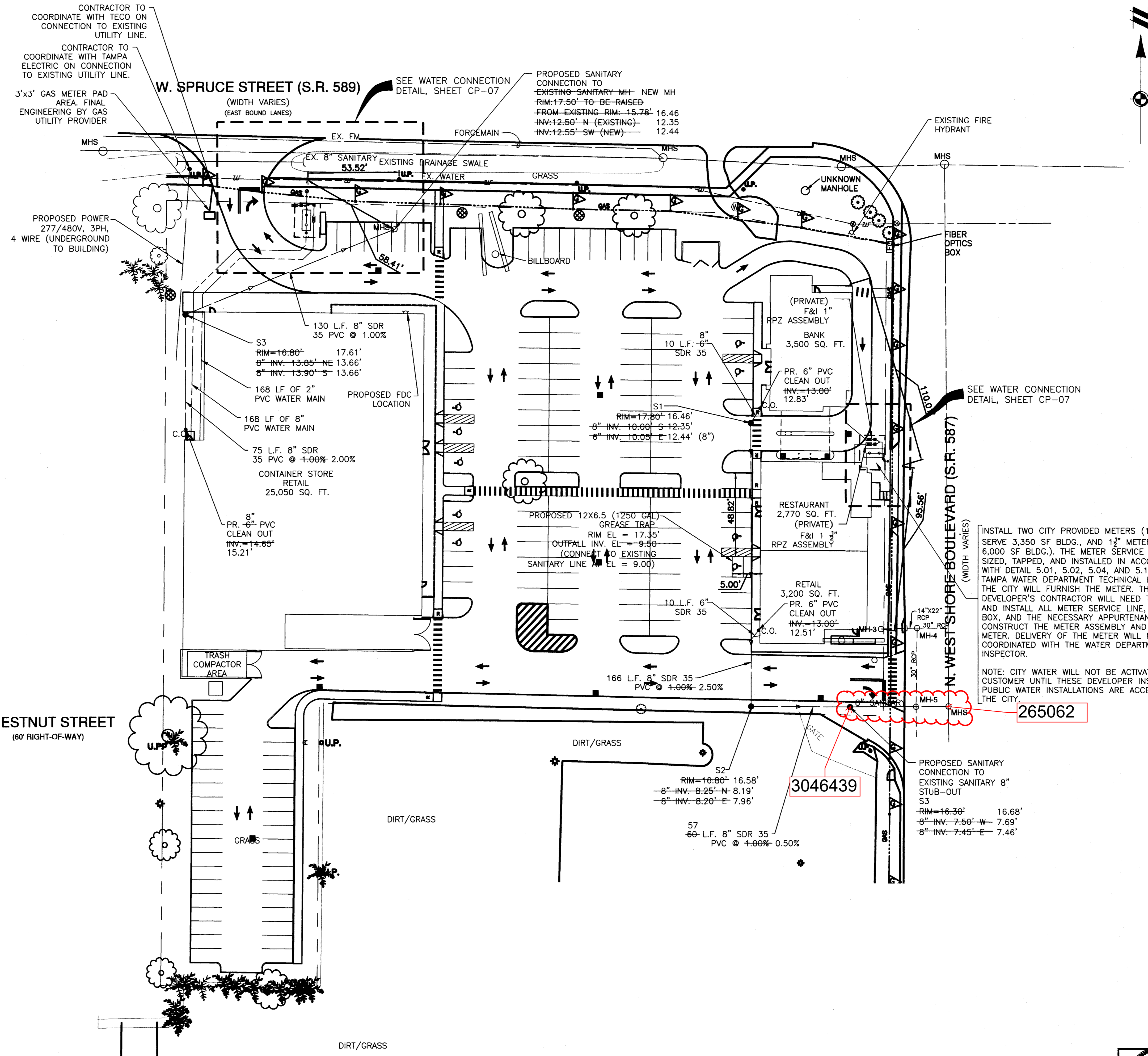
- BOUNDARY LINE
- PROP. UG ELECTRIC / CONDUIT
- PROP. UG TELEPHONE/CABLE
- PROP. GAS
- EXIST. STORM SEWER
- PROP. STORM SEWER
- EXIST. SANITARY SEWER
- PROP. SANITARY SEWER
- EXIST. WATERMAIN
- PROP. WATERMAIN
- PROP. GATE VALVE
- PROP. HYDRANT ASSEMBLY
- EXIST. GATE VALVE
- PROP. SIDEWALK RAMP
- EXIST. SANITARY MANHOLE
- PROP. SANITARY MANHOLE
- EXIST. END SECTION
- EXIST. MANHOLE
- EXIST. CATCH BASIN/INLET
- PROP. CATCH BASIN/INLET

GENERAL NOTES:

1. CONTRACTOR WILL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. COORDINATE ALL UTILITY LEADS WITH THE ARCHITECTURAL/MECHANICAL PLANS.
3. ALL UTILITIES TO BE INSTALLED TO THE CITY OF TAMPA UTILITY STANDARD DETAILS AND SPECIFICATIONS.
4. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER FOR CONNECTION POINT AND LOCATION OF TRANSFORMER PAD.
5. CONTRACTOR IS RESPONSIBLE TO RESTORE ALL OFF-SITE AREAS TO AN EQUAL TO OR BETTER THAN CONDITION PRIOR TO CONSTRUCTION.
6. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SERVICE ROUTING AND PAYING ANY FRANCHISE UTILITY FEES.
7. CONNECT TO EXISTING WATER MAIN PER THE CITY OF TAMPA REQUIREMENTS. MATERIALS TO BE CITY APPROVED PRIOR TO INSTALLATION. CONTRACTOR TO VERIFY SIZE OF MAIN TAPPED PRIOR TO ORDERING MATERIAL.
8. REFER TO SHEET CP-02 FOR ALL UTILITY PIPE SPECIFICATIONS AND REQUIREMENTS.
9. CONTRACTOR WILL NEED TO EXCAVATE, FURNISH AND INSTALL APPROVED TAPPING SLEEVES AND TAPPING VALVES. THE TAPPING SLEEVES WILL NEED TO BE INSTALLED AND PRESSURE TESTED IN ACCORDANCE WITH CITY STANDARDS AND UNDER CITY SUPERVISION. THE WORK WILL NEED TO BE COORDINATED WITH THE WATER DEPARTMENTS FIELD INSPECTOR. CONTACT HARRY GLENN, AT (813) 258-1636, AT LEAST 3 DAYS PRIOR TO STARTING THE INTENDED WORK.
10. CONTRACTOR TO FURNISH AND INSTALL METER SERVICE LINE AND METER BOX. CITY TO FURNISH THE METER. COORDINATE METER DELIVERY AND INSTALLATION WITH TWD INSPECTOR.
11. ALL FEES ARE TO BE PAID BY THE CONTRACTOR.
12. ALL HYDRANTS TO BE AT LEAST 6 FEET FROM CURB.
13. MARK ALL UTILITY STUBS WITH 4X4 POST PAINTED PER UTILITY TYPE.

GENERAL SANITARY SEWER NOTES:

1. THE DEVELOPER'S REPRESENTATIVE OR RESIDENT ENGINEER SHALL NOTIFY THE CITY OF TAMPA DEPARTMENT OF SANITARY SEWERS FIELD ENGINEERING OFFICE (ALEX GONZALEZ AT 813-242-5363) A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO SUPPLY THEM WITH FURTHER CONSTRUCTION SCHEDULING. A PRE-CONSTRUCTION MEETING MAY BE REQUIRED AS DETERMINED BY THE FIELD ENGINEER.
2. THE CITY OF TAMPA DEPARTMENT OF SANITARY SEWERS FIELD ENGINEERING OFFICE SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE PERFORMANCE OF AN INFILTRATION TEST ON THE NEW ON-SITE SEWER TO ALLOW THE FIELD ENGINEER THE OPPORTUNITY TO BE PRESENT. TEST RESULTS, PERFORMED IN ACCORDANCE TO THE CITY OF TAMPA TECHNICAL STANDARDS (REVISED 08/02/00), SHALL BE CERTIFIED BY THE ENGINEER OF RECORD OR A REPUTABLE TESTING LABORATORY AND SUBMITTED TO THE DEPARTMENT OF SANITARY SEWERS.
3. THE CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED UNTIL THE FOLLOWING HAS BEEN COMPLETED:
 - A) FINAL INSPECTION IN CONJUNCTION WITH DEPARTMENT PERSONNEL COMPLETED.
 - B) AS-BUILTS HAVE BEEN SUBMITTED AND ACCEPTED.
 - C) ALL NECESSARY TESTING COMPLETED AND CERTIFIED.
 - D) PAYMENT OF ALL CAPACITY FEES.
 - E) ISSUANCE OF F.D.E.P. CERTIFICATION OF COMPLETION APPROVAL (IF APPLICABLE).
4. WASTEWATER SERVICE TO THE SOUTH AND WEST PROPERTIES MUST BE MAINTAINED DURING CONSTRUCTION.
5. ONE OR MORE OF THE FOLLOWING CERTIFICATES/SHOP DRAWINGS, DEPENDING ON THE TYPE OF CONNECTIONS, WILL BE REQUIRED. THIS SHOULD BE REVIEWED WITH THE DESIGN DIVISION PRIOR TO APPROVAL FOR CONSTRUCTION AND SUBMITTED IN ACCORDANCE WITH ABOVE NOTE #1.
 - A) DIP/PVC CERTIFICATE OF MANUFACTURE
 - B) MANHOLE SHOP DRAWINGS AND STRENGTH REPORT
 - C) FRAME AND COVER SHOP DRAWINGS
 - D) FLEXIBLE COUPLING SHOP DRAWINGS
 - E) CASING PIPE CERTIFICATED
 - F) JACKING PIT DETAIL
 - G) CRUSHED STONE SUBMITTAL
 - H) VALVE SHOP DRAWINGS
 - I) MANHOLE DROP CONNECTION DETAIL

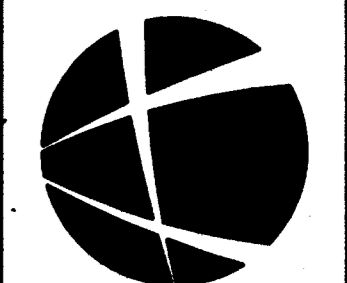


THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR; NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.
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OFFICES IN NORTH AMERICA AND ASIA
SABER REAL ESTATE ADVISORS, L.L.C.
STATE OF FLORIDA
CERTIFICATE OF AUTHORIZATION #20091



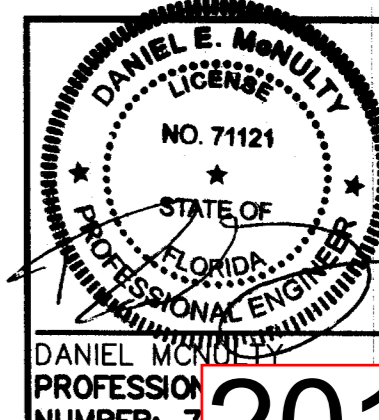
TOWNSHIP 29 SOUTH, RANGE 18 EAST
CITY OF TAMPA
HILLSBOROUGH COUNTY, FLORIDA

SABER REAL ESTATE ADVISORS, L.L.C.
THE CORNER
OVERALL UTILITY PLAN

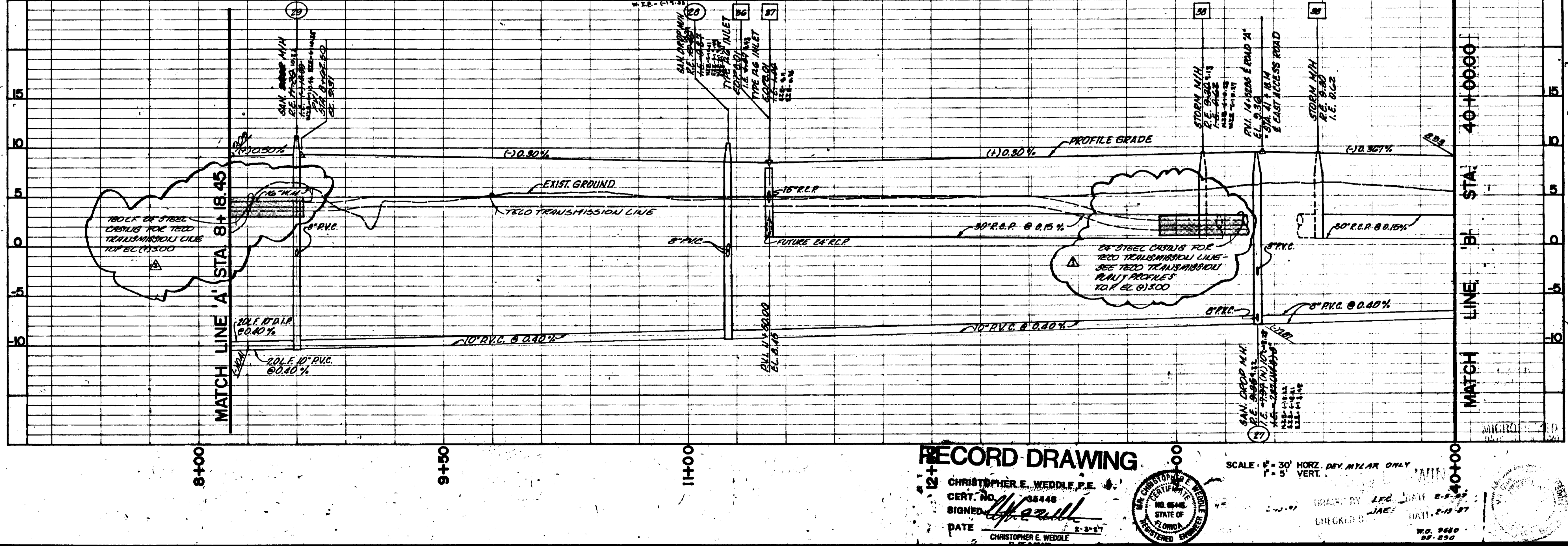
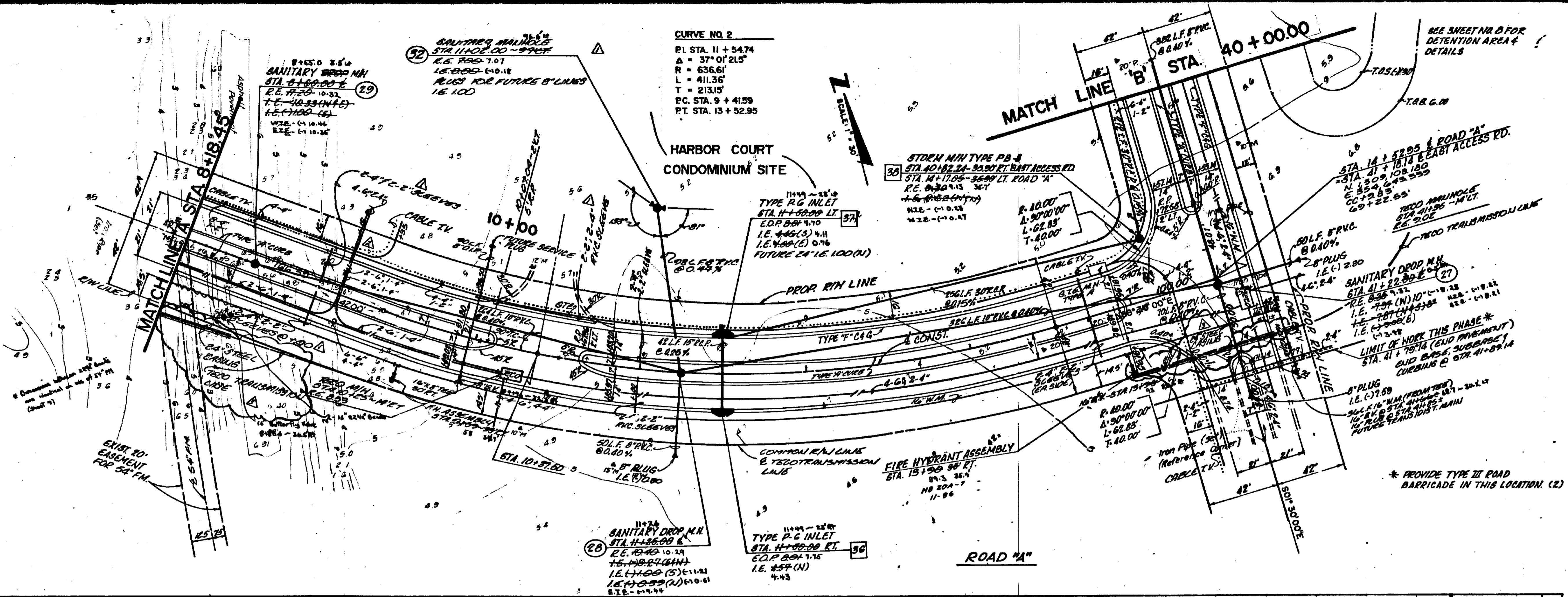
DATE	REVISIONS
NOVEMBER 10, 2011	
02/03/12	- OWNER COMMENTS
02/16/12	- TAMPA WATER COMMENTS
03/02/12	- CLIENT COMMENTS
05/09/12	- CITY OF TAMPA WD COMMENTS
10/25/12	- BLDG #3 SITE REVISIONS
01/10/13	- AS-BUILT DRAWINGS



SCALE 0 15 30
1" = 30 FEET
DR. --- CH. ---
P.M. ---
BOOK ---
CAD FILE: 11000507CP-06-OU
JOB: 11000507
FILE CODE: ---
SHEET NO. ---



2013-001



JOB NO. 10194.E
SCALE 1" = 30'
DATE 11-8-85
DESIGN JMS
DRAWN P.L.S.
CHECKED JWS
APPROVED
REVISION
11-18-85
11-25-85
12-25-85
NO REVISIONS

PLAN & PROFILE

ROADWAY CONSTRUCTION
 PLANS
 HARBOUR ISLAND, INC.

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

5

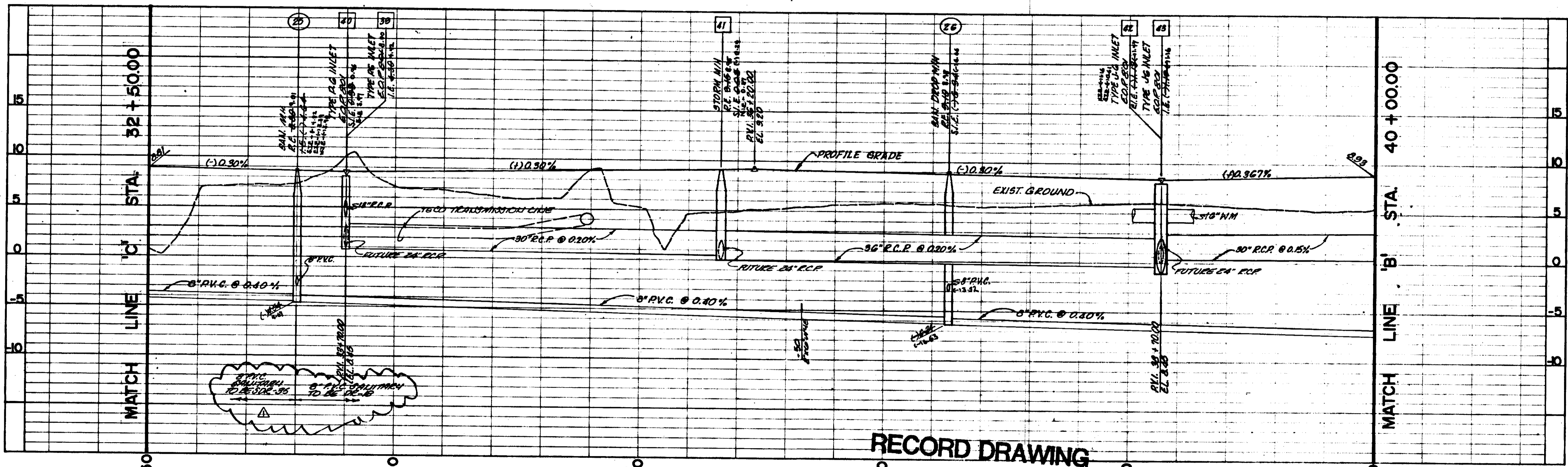
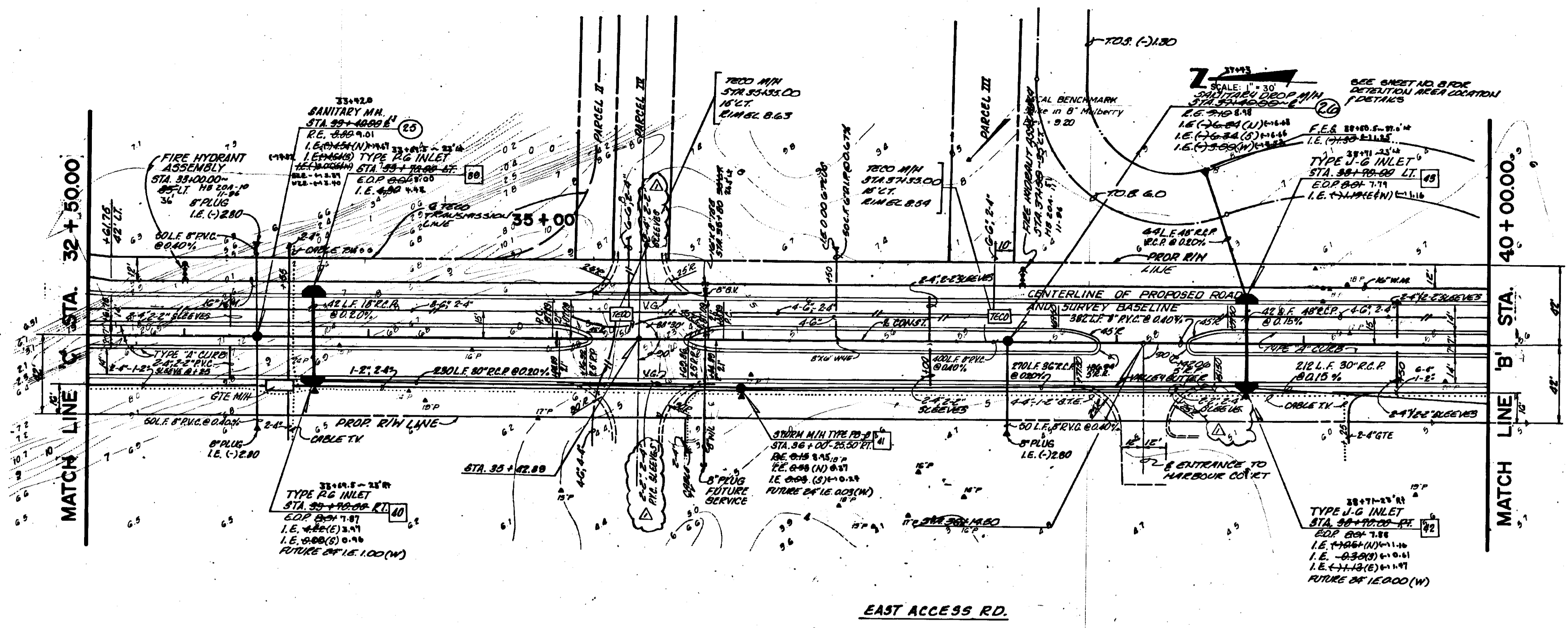
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 DATE 11-8-85
 DESIGN JNS
 DRAWN P.L.S.
 CHECKED JNS
 APPROVED
 REVISION
 11-8-85

PLAN & PROFILE

ROADWAY CONSTRUCTION
 PLANS
 HARBOUR ISLAND, INC.

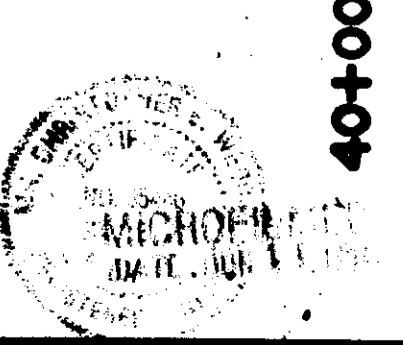
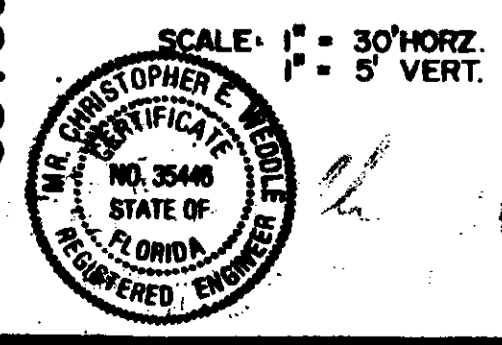
FLORIDA LAND DESIGN & ENGINEERING INC.
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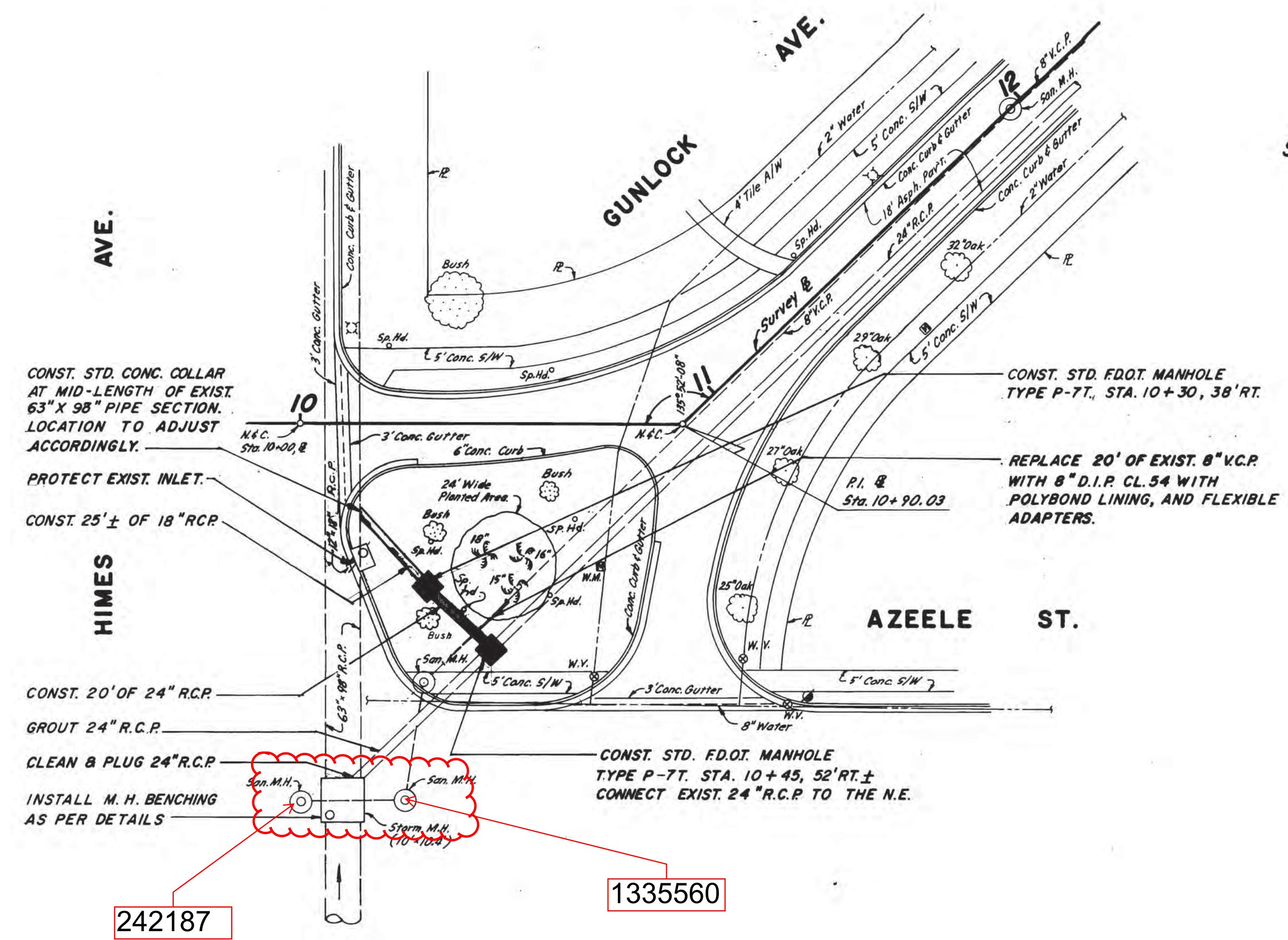
RECORD DRAWING

CHRISTOPHER E. WEDDLE, P.E.
 CERT. NO. 95448
 SIGNED: *[Signature]*
 DATE: 2-9-87
 CHRISTOPHER E. WEDDLE
 FL. P.E. # 3546



REV. MYLAR ONLY
 DRAWN BY LFC DATE 8-8-87
 CHECKED BY JNS DATE 2-10-87
 M.D. 9660
 85-290

2013-106



Scale: 1" = 20'
 Sec. 22-T29S-R18E

T.B.M. #1
 "T" cut in @ S/W on W. side Himes Ave., 25' ± W. of
 E Himes Ave. & 50' ± N. of Azeele St.

- CONST. STD. CONC. COLLAR AT MID-LENGTH OF EXIST. 63" X 98" PIPE SECTION. LOCATION TO ADJUST ACCORDINGLY.
- PROTECT EXIST. INLET.
- CONST. 25' ± OF 18" R.C.P.
- CONST. 20' OF 24" R.C.P.
- GROUT 24" R.C.P.
- CLEAN & PLUG 24" R.C.P.
- INSTALL M. H. BENCHING AS PER DETAILS
- CONST. STD. F.D.O.T. MANHOLE TYPE P-7T, STA. 10+30, 38' RT.
- REPLACE 20' OF EXIST. 8" V.C.P. WITH 8" D.I.P. CL. 54 WITH POLYBOND LINING, AND FLEXIBLE ADAPTERS.
- CONST. STD. F.D.O.T. MANHOLE TYPE P-7T, STA. 10+45, 52' RT. ± CONNECT EXIST. 24" R.C.P. TO THE N.E.

242187
 1335560

22										22
20										20
18										18
16										16
14										14
12										12
10										10
8										8
6										6
4										4
	10+00									11+00
										12+00



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

DEPT. OF SANITARY SEWERS
 CITY OF TAMPA, FLORIDA
**HIMES AVE. & AZEELE ST.
 MANHOLE RECONSTRUCTION**

Designed: JPL Date: 3-90 Drawn: LR Date: 7-90 Checked: — Date: —
 Reviewed: JPL Date: 7-91 Approved: (LH) Date: 1-91 Scale: 1" = 20' Hor., 1" = 2' Vert.
 FIELD BOOK: 1990-6

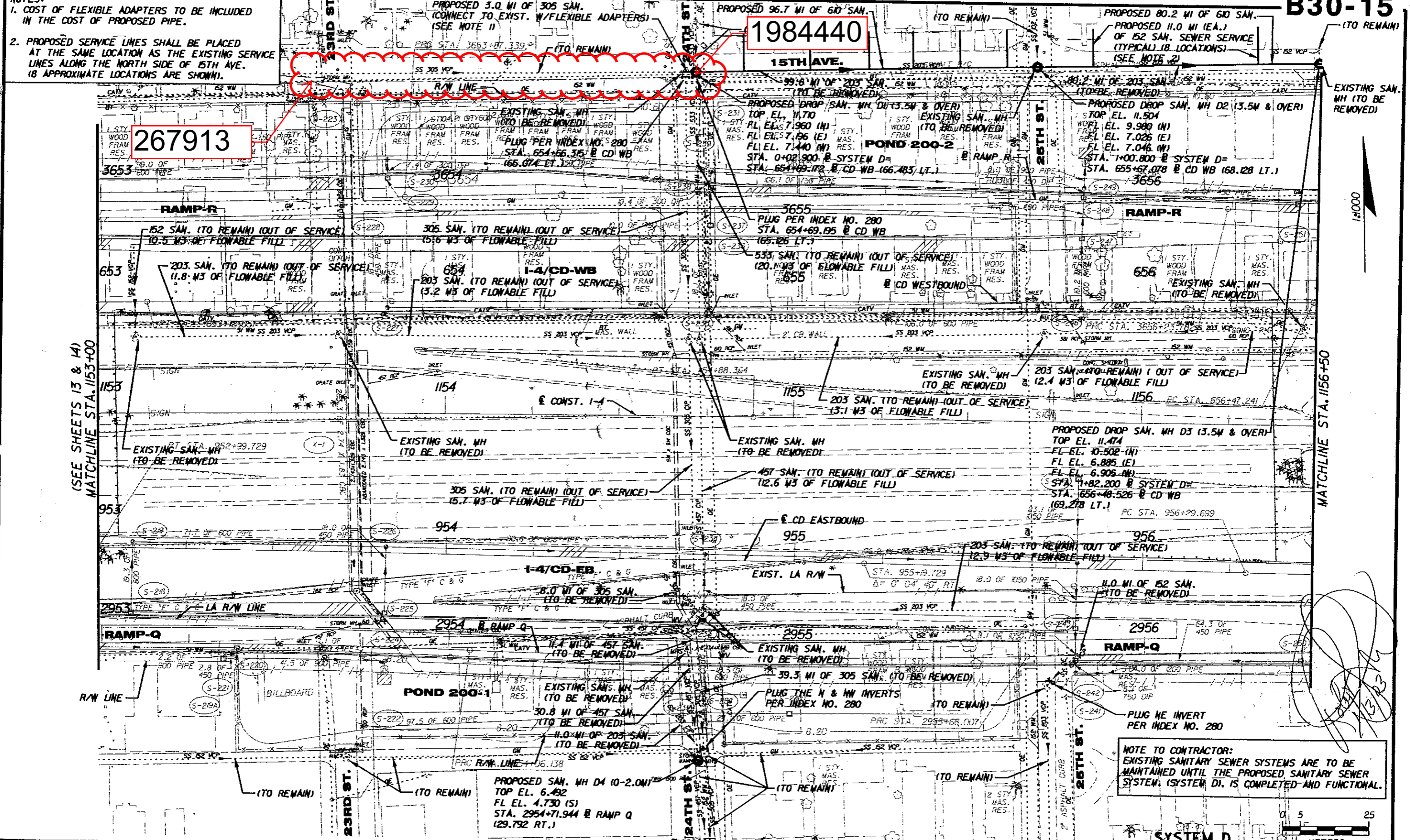
No.	Date	REVISION	By

FILE No. PW90-50 JOB No. 5796 SHEET 170
2015-055

NOTES:
 1. COST OF FLEXIBLE ADAPTERS TO BE INCLUDED IN THE COST OF PROPOSED PIPE.
 2. PROPOSED SERVICE LINES SHALL BE PLACED AT THE SAME LOCATION AS THE EXISTING SERVICE LINES ALONG THE NORTH SIDE OF 15TH AVE. (8 APPROXIMATE LOCATIONS ARE SHOWN).

1984440

267913



NOTE TO CONTRACTOR:
 EXISTING SANITARY SEWER SYSTEMS ARE TO BE MAINTAINED UNTIL THE PROPOSED SANITARY SEWER SYSTEM (SYSTEM D) IS COMPLETED AND FUNCTIONAL.



01/10/20 05:36:32 PM h:\city\fromsewer\303b\sewr006.dwg

REVISIONS		
NO.	DATE	DESCRIPTION

PREPARED BY:
PP
 Robert D. Sanyal
 P.E. License No. 42770
 Parsons Brinckerhoff
 Quade & Douglas, Inc.
 5405 West Cypress St. Suite 300
 Tampa, Florida 33607
 (813) 289-5300
 Certificate of Authorization
 No. 0462



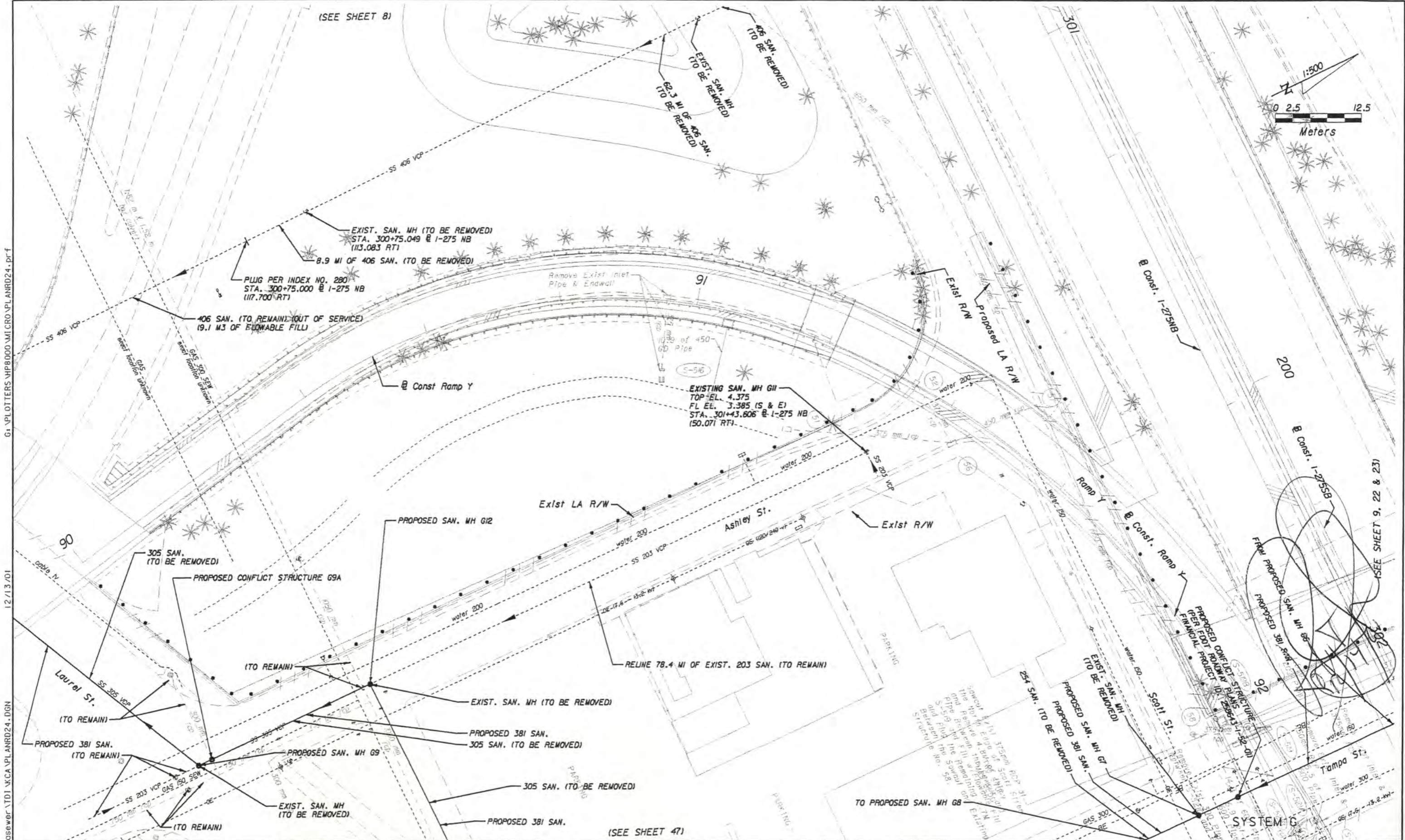
CITY OF TAMPA FLORIDA
 DEPARTMENT OF SANITARY SEWERS
 306 E. JACKSON ST., #2
 TAMPA, FLORIDA 33602
 PHONE: (813) 254-0239
 FAX: (813) 254-0446

APPROVED BY:

 LICENSE NO.

SANITARY SEWER RELOCATIONS
 FROM WEST OF 14TH ST.
 TO EAST OF 50TH ST.

UMHCA PROJECT ID: 258401-1-56
 WORK ORDER NO.: B030-015
 SHEET NO.: 5



G:\PLOTTERS\HP8000.MI.CRO\PL\NRD24.DWG

12/13/01

D:\CityofTampasewer\TDI\KCA\PL\NRD24.DGN

(SEE SHEET 9, 22 & 23)

(SEE SHEET 47)

REVISIONS

NO.	DATE	DESCRIPTION	APPROVED

PREPARED BY:
Parsons Brinckerhoff
 Quade & Douglas, Inc.
 5405 West Cypress St. Suite 300
 Tampa, Florida 33607
 (813) 289-5300
 Eng. Bus. No. E900001462



CITY OF TAMPA FLORIDA
 DEPARTMENT OF SANITARY SEWERS
 306 E. JACKSON ST., 6E
 TAMPA FLORIDA 33602
 PHONE: (813) 274-8070
 FAX: (813) 274-8448

APPROVED BY:

 LICENSE NO.

SANITARY SEWER RELOCATIONS
FROM THE HILLSBOROUGH RIVER TO
FLORIBASKA AVENUE

FINANCIAL PROJECT ID
 258643-1-56-04

WORK ORDER NO.
 99-07

SHEET NO.
 31

B066-118