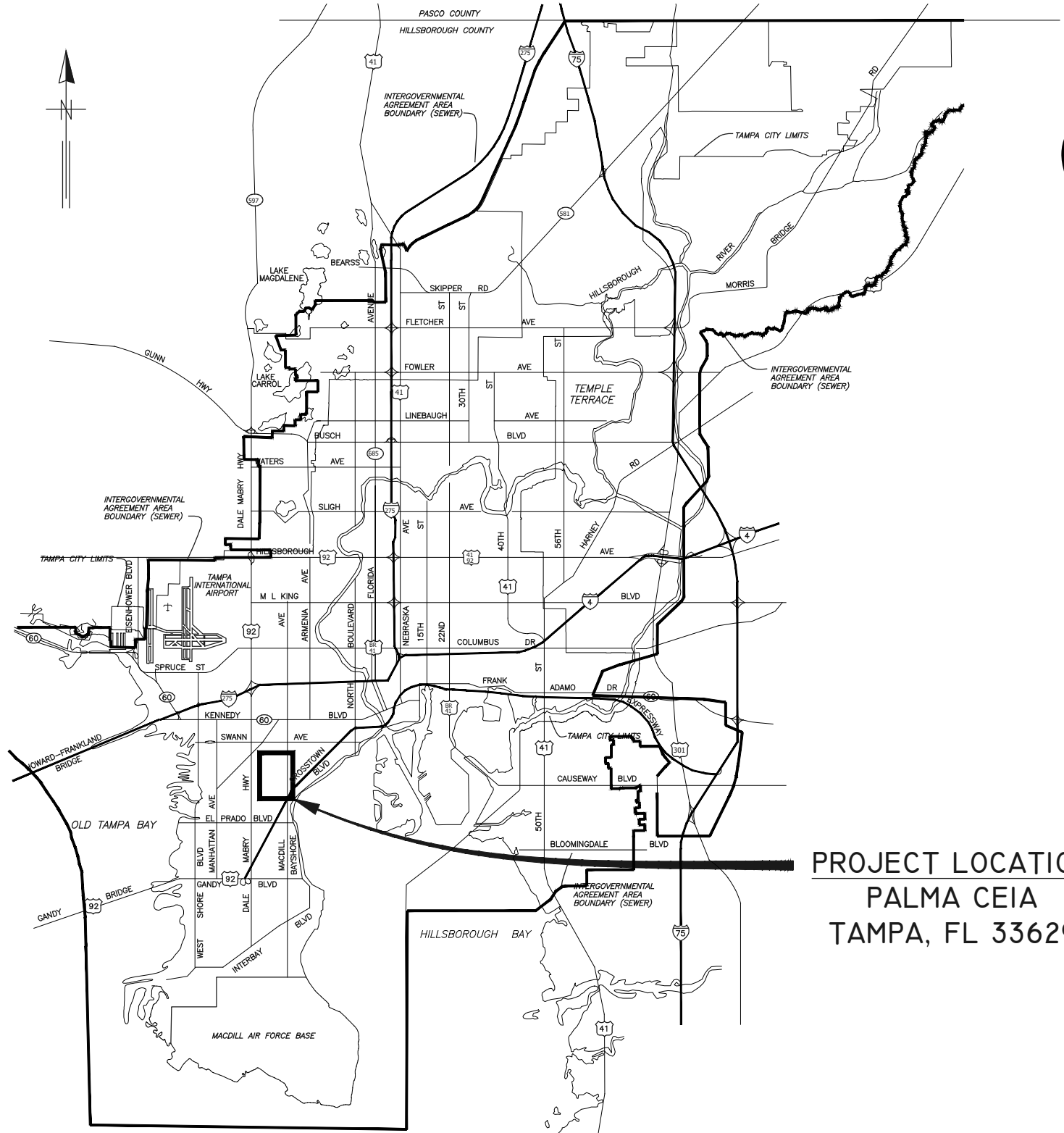


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 Layout- Sep 13, 2021 - 4:14pm

LOCATION MAP



# CITY of TAMPA



## WASTEWATER DEPARTMENT ENGINEERING DIVISION

### PLANS FOR PALMA CEIA AREA COLLECTION SYSTEM REHABILITATION

PROJECT LOCATION  
PALMA CEIA  
TAMPA, FL 33629

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

JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	#	DATE	REVISIONS	DES: CB	CITY of TAMPA WASTEWATER DEPARTMENT	Palma Ceia Area Collection	SHEET
	1			DRN: GP			
	2			CKD:			
	3			DATE:			
						COVER	1

User: ssh5 Drawing Name: K:\Wastewater Projects\Palma Ceia Water Replacement and Wastewater CIPP Lining Projects\Drafting\DWG\Palma Ceia Water Main Replacement and CIPP Lining.dwg Layout- Sep 13, 2021 - 4:14pm

GENERAL NOTES

1. THE SCOPE OF THIS PROJECT SHALL CONSIST OF REHABILITATION OF 8", 12", AND 24" DIAMETER WASTEWATER PIPELINE BY INSTALLATION OF CURED IN PLACE PIPE LINER AND ALL APPURTENANCE ASSOCIATED WITH COMPLETION OF THE PROJECT.
2. ELEVATION INFORMATION SHOWN ON THESE PLANS IS REFERENCED TO N.G.V.D. 1929 UNLESS OTHERWISE STATED AND ARE BASED ON RECORD DRAWINGS.
3. SHEETS 25-51 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. A CITY OF TAMPA RIGHT OF WAY ACCELA PERMIT SHALL BE SUBMITTED FOR EACH ROADWAY AT THE FOLLOWING WEBSITE [HTTP://ACA.TAMPAGOV.NET/](http://aca.tampagov.net/)
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" DIAMETER PIPE, 800 GPM FOR 12" DIAMETER PIPE, AND 2,000 GPM FOR 24" DIAMETER 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, 12" SEWER SHALL BE 7.5 MM THICKNESS, AND 24" SEWER SHALL BE 12 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. THIS PROJECT INCLUDES REHABILITATION OF MANHOLES BY APPLICATION OF A STRUCTURAL COATING SYSTEM AND ALL APPURTENANCES ASSOCIATED WITH THE PROJECT.
14. DURING THE MANHOLE'S INTERIOR CLEANING OPERATION, THE CONTRACTOR MUST PROVIDE A MEANS OF CAPTURING AND DISPOSING OF THE REMOVED DEBRIS. THIS METHOD SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
15. ALL EXPOSED STEEL REINFORCEMENT SHALL BE THOROUGHLY CLEANED OF ANY DETERIORATION/RUST AND COATED WITH THE PROPOSED COATING SYSTEM.
16. THE ONLY EXCAVATION NECESSARY FOR THIS PROJECT IS FOR THE REMOVAL AND REPLACEMENT OF THE MANHOLE FRAME AND COVERS. FOR THESE CASES, THE CONTRACTOR IS REQUIRED TO CALL SUNSHINE AT 1-800-432-4770 TO DETERMINE UTILITY LOCATIONS PRIOR TO EXCAVATION.

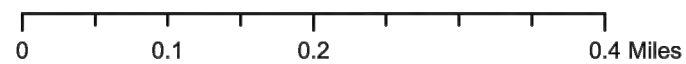
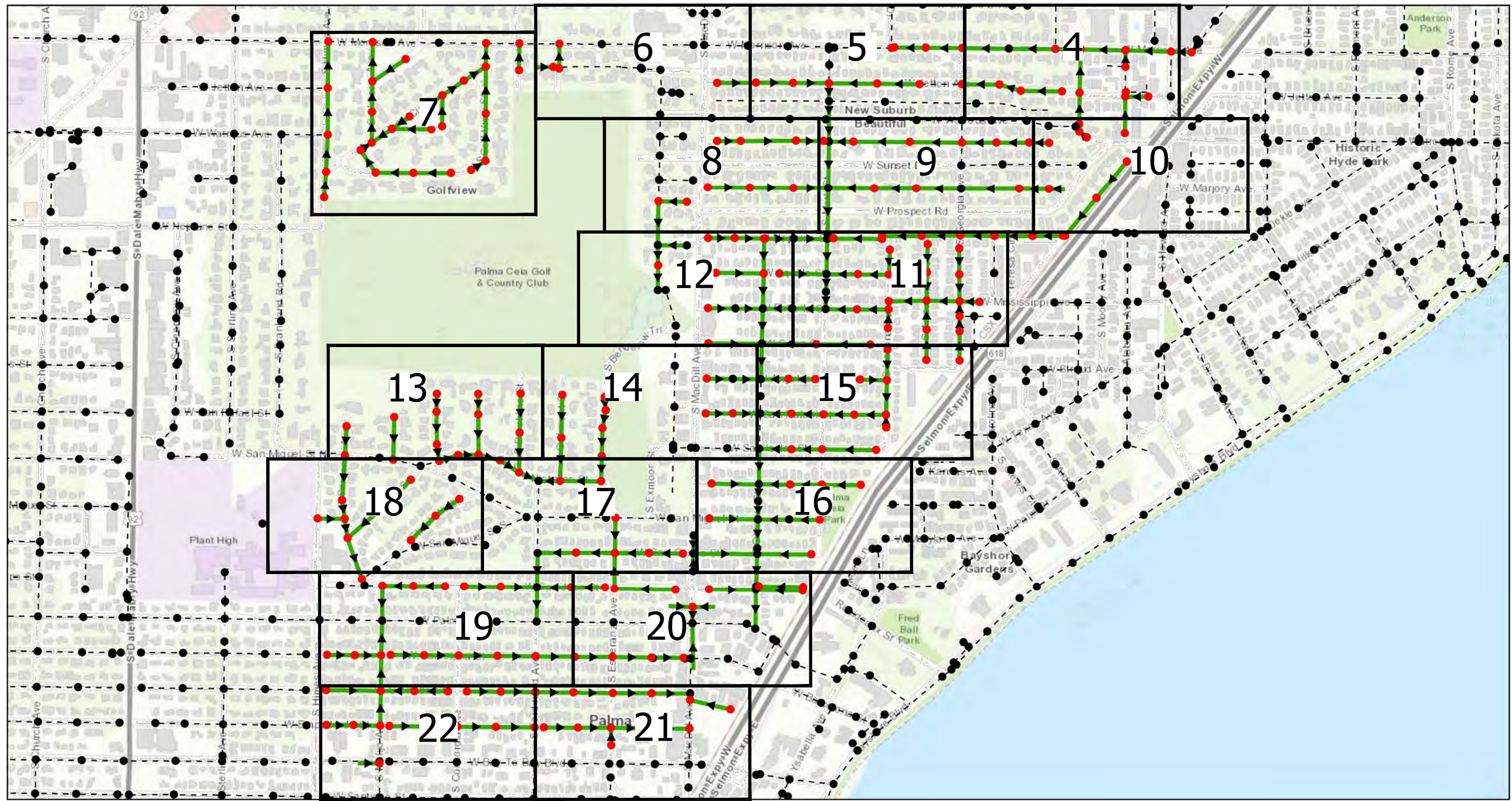
INDEX	
Sheet Number	DESCRIPTION
1	COVER
2	NOTES
3	OVERVIEW LOCATION MAP
4 - 20	AREA MAPS
23	MANHOLE DETAIL
24	MANHOLE DETAILS
25 - 51	WASTEWATER RECORD DRAWINGS FOR REFERENCE

PROPOSED MANHOLE COATING SYSTEM THICKNESS	
Location	Coating System
Manhole Barrel	250 MILS (MIN)
Manhole Benches	250 MILS (MIN)

\*\* 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.

JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	#	DATE	REVISIONS	DES: CB	<b>CITY of TAMPA</b> WASTEWATER DEPARTMENT	Palma Ceia Area Collection	SHEET <span style="font-size: 2em;">2</span>
	1			DRN: GP			
	2			CKD:		NOTES	
	3			DATE:			

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 Layout: Sep 13, 2021 - 4:14pm CTB - MONO - RED-GREEN.CTB TOSHIBA\_UNL\_COLOR (NORTH WING)



- Legend**
- Ex Manhole (no rehabilitation required)
  - Proposed Manhole Rehabilitation
  - Ex Wastewater (no rehabilitation required)
  - ▶ Proposed Lining Area



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 WASTEWATER DEPARTMENT

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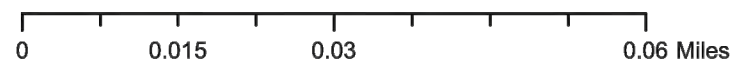
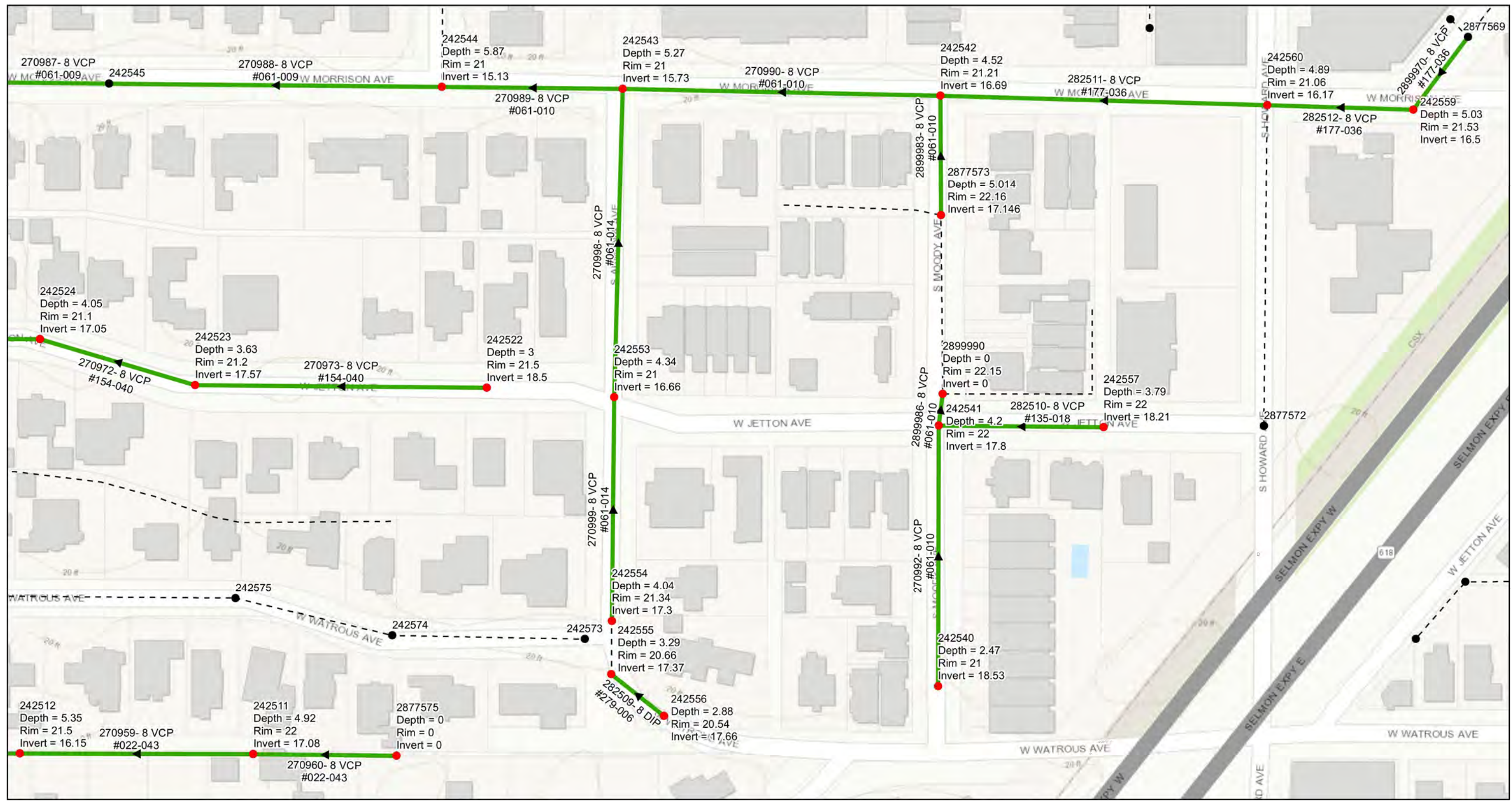
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 WASTEWATER DEPARTMENT

Palma Ceia Area Collection  
 OVERVIEW LOCATION MAP

SHEET  
 3

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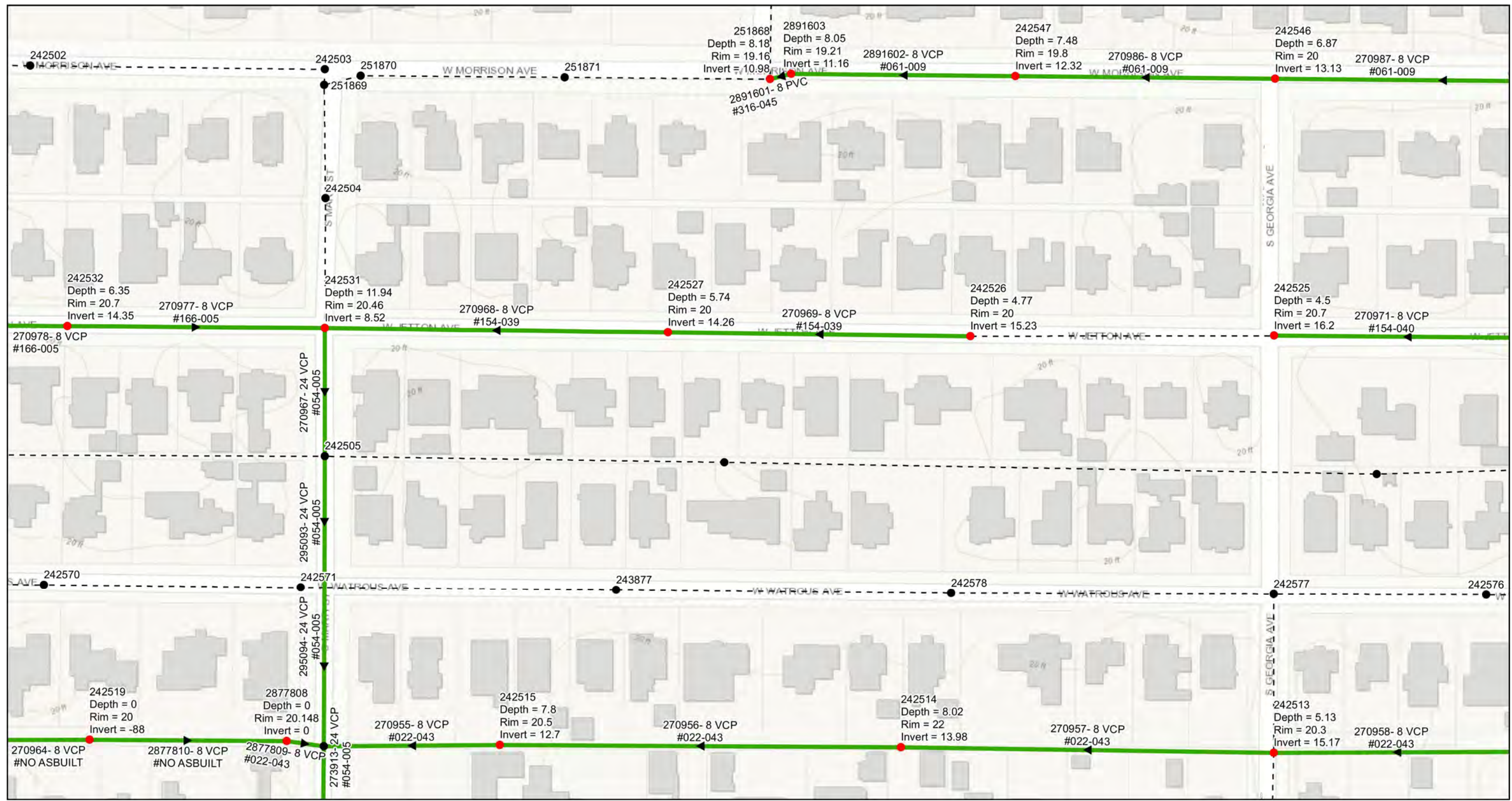
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Palma Ceia Area Collection  
 AREA MAP (1)

SHEET  
 4

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0 0.015 0.03 0.06 Miles

**Legend**  
 ● Ex Manhole (no rehabilitation required)  
 ● Proposed Manhole Rehabilitation  
 --- Ex Wastewater (no rehabilitation required)  
 — Proposed Lining Area



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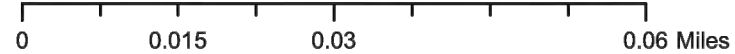
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**Palma Ceia Area Collection**  
 AREA MAP (2)

**SHEET**  
**5**

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- Legend**
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 DESIGN DIVISION HEAD  
 WASTEWATER DEPARTMENT

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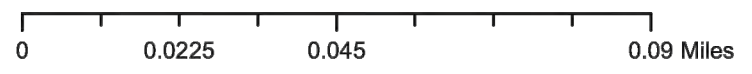
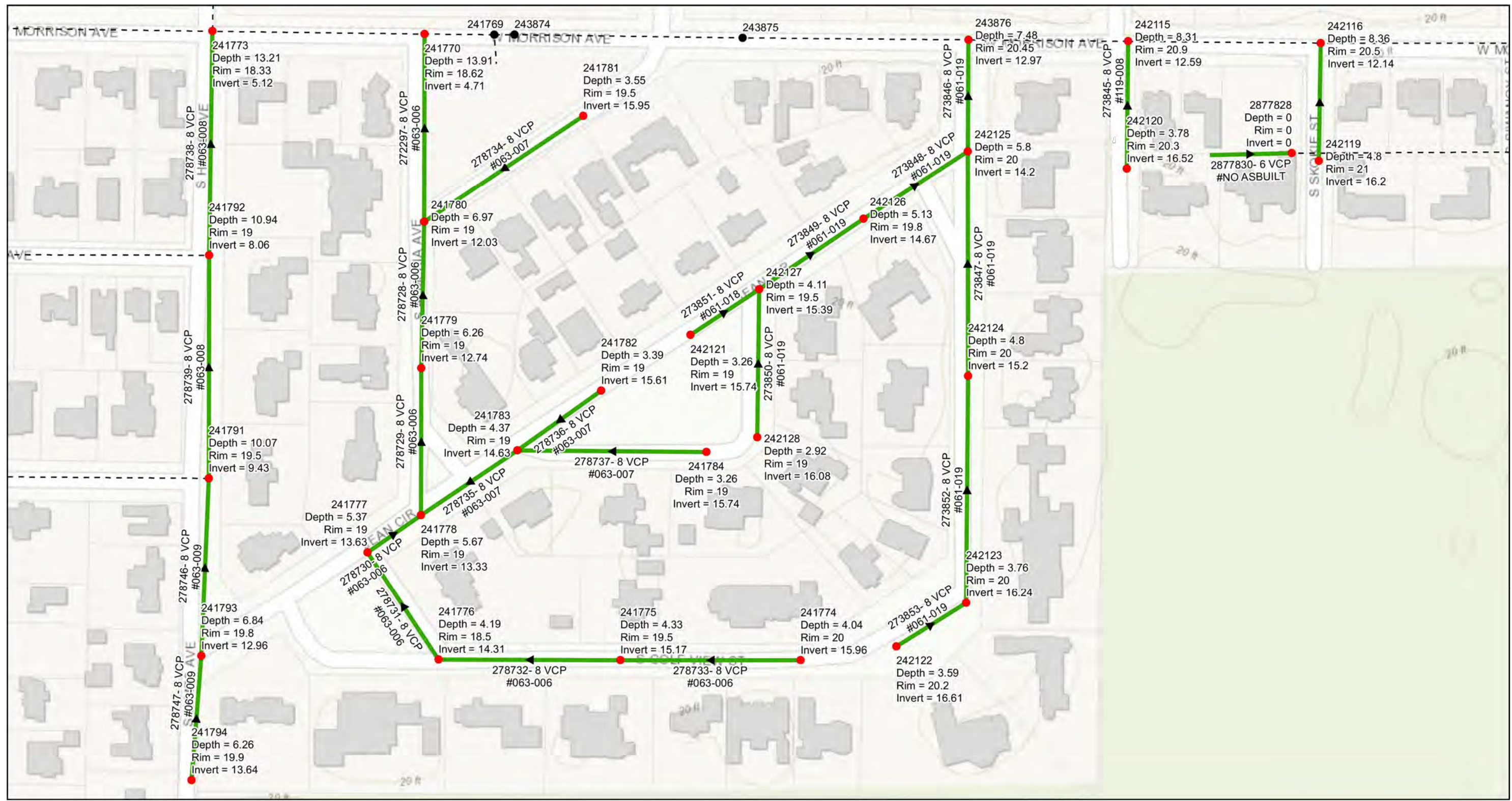
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**Palma Ceia Area Collection**  
 AREA MAP (3)

SHEET  
**6**

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**Legend**

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- Proposed Manhole Rehabilitation
- Ex Wastewater (no rehabilitation required)
- Proposed Lining Area



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Palma Ceia Area Collection  
 AREA MAP (4)

SHEET  
 7

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0 0.015 0.03 0.06 Miles

**Legend**  
 ● Ex Manhole (no rehabilitation required)    — — — Ex Wastewater (no rehabilitation required)  
 ● Proposed Manhole Rehabilitation        ———▶ Proposed Lining Area



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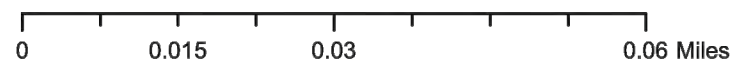
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Palma Ceia Area Collection  
 AREA MAP (5)

SHEET  
 8



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- Legend**
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 WASTEWATER DEPARTMENT

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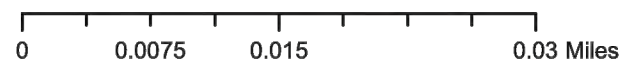
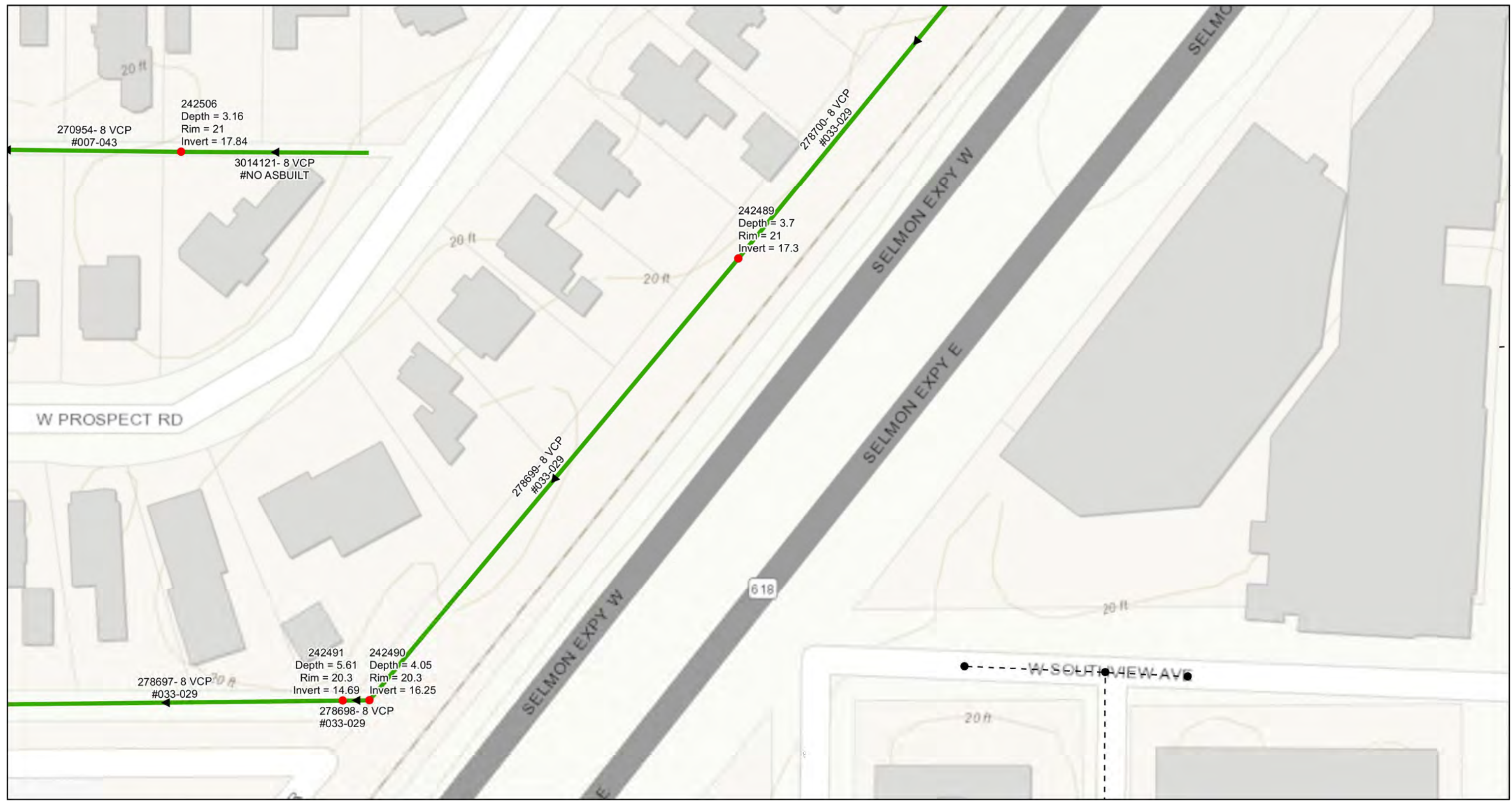
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Palma Ceia Area Collection  
 AREA MAP (6)

SHEET  
**9**

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Palma Ceia Area Collection  
 AREA MAP (7)

SHEET  
**10**

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0 0.015 0.03 0.06 Miles

**Legend**  
 ● Ex Manhole (no rehabilitation required)  
 ● Proposed Manhole Rehabilitation  
 --- Ex Wastewater (no rehabilitation required)  
 — Proposed Lining Area



JACINTO CARLOS FERRAS, P.E. #49454  
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 WASTEWATER DEPARTMENT

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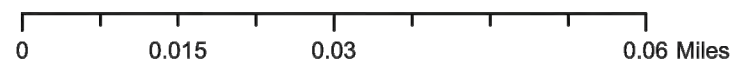
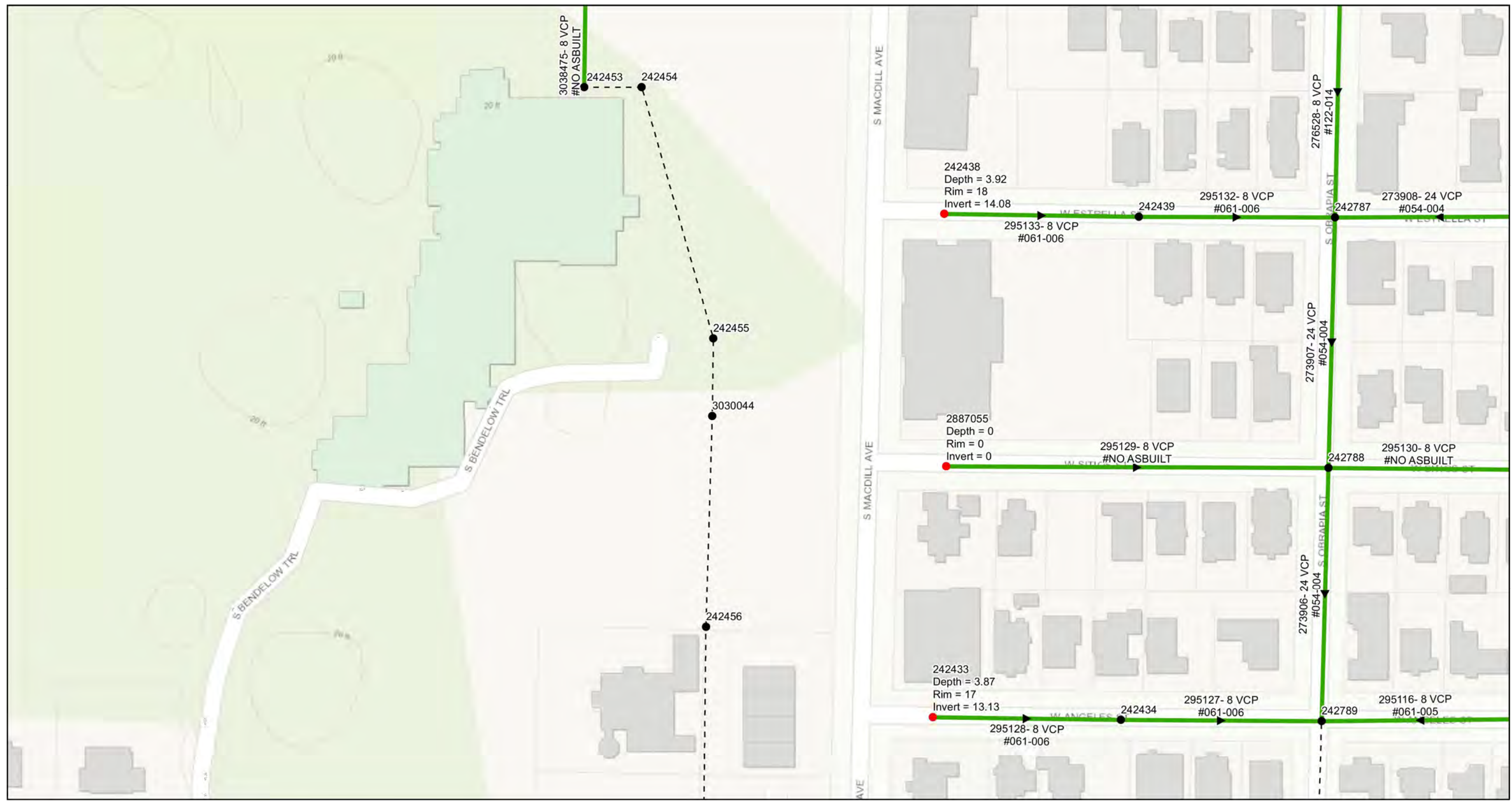
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Palma Ceia Area Collection  
 AREA MAP (8)

SHEET  
 11

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 WASTEWATER DEPARTMENT

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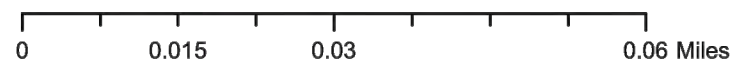
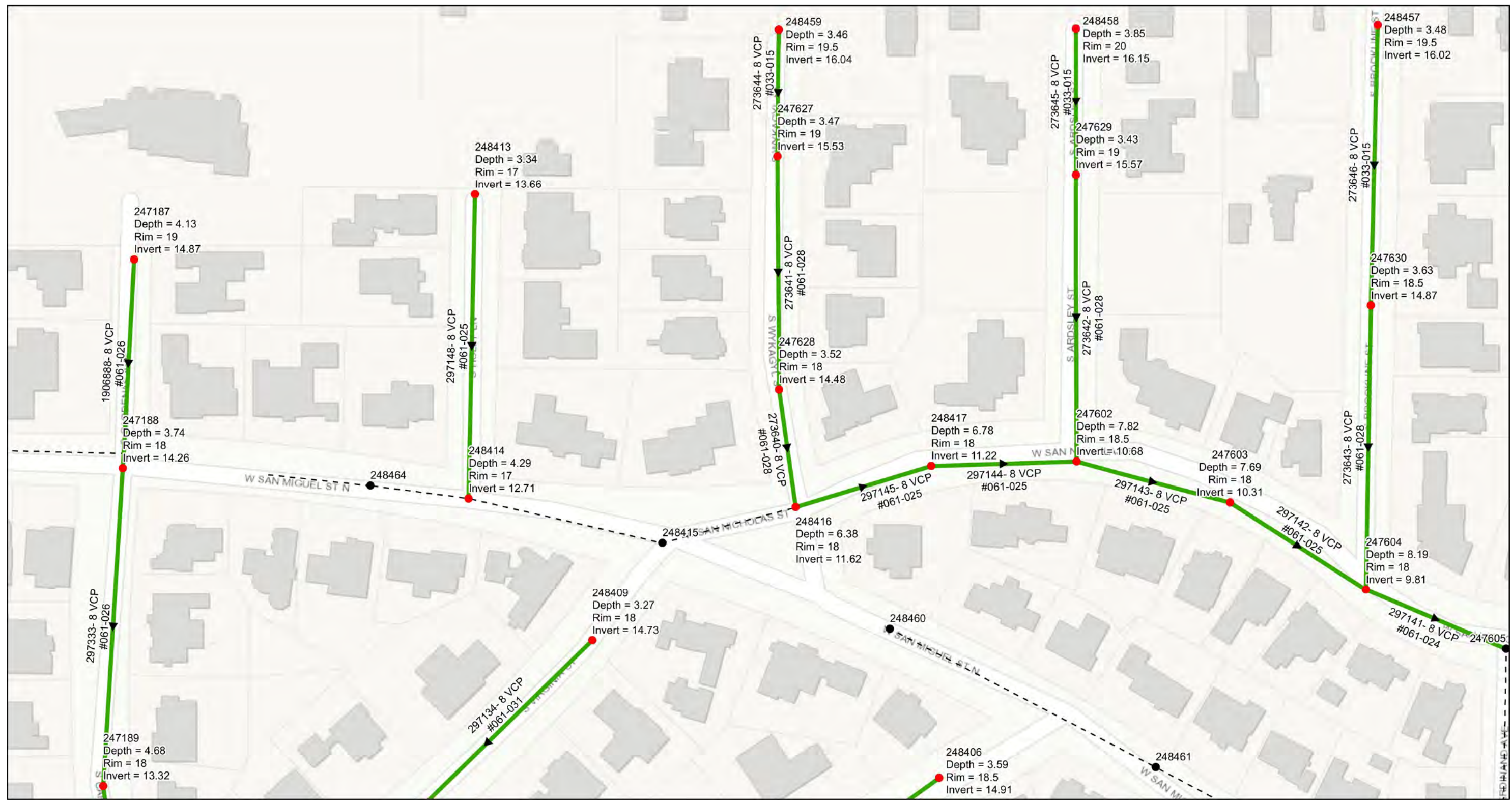
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**Palma Ceia Area Collection**  
 AREA MAP (9)

**SHEET**  
**12**

User: ssh5 Drawing Name: K:\Wastewater Projects\Palma Ceia Ph 3 Water Replacement and Wastewater CIPP Lining Projects\Drafting\DWG\Palma Ceia Water Main Replacement and CIPP Lining.dwg  
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 WASTEWATER DEPARTMENT

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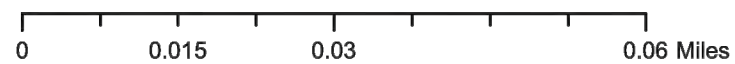
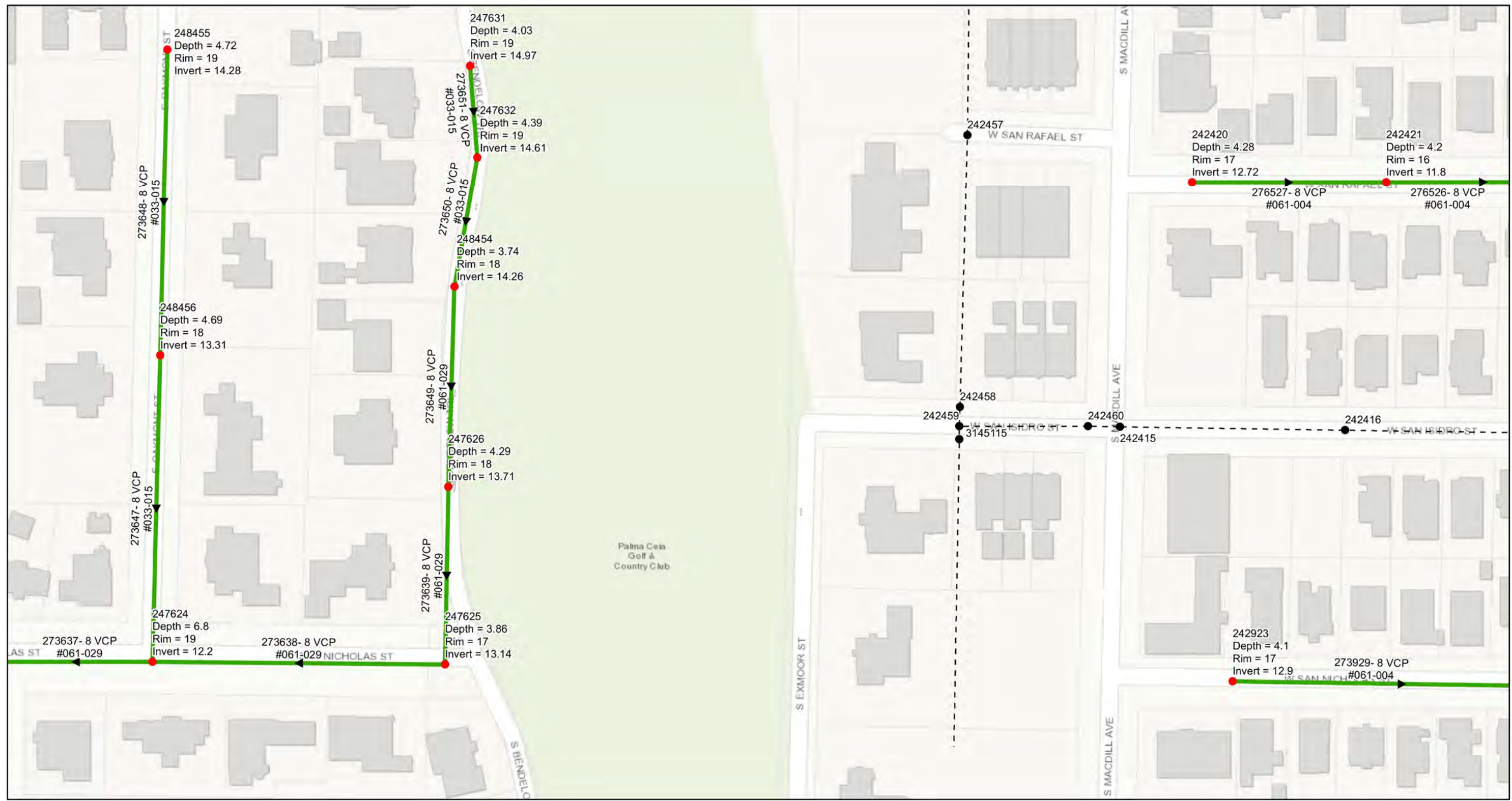
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CITY of TAMPA  
 WASTEWATER DEPARTMENT

Palma Ceia Area Collection  
 AREA MAP (10)

SHEET  
**13**

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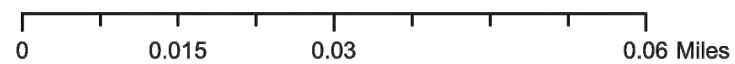
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**Palma Ceia Area Collection**  
 AREA MAP (11)

**SHEET**  
**14**

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JACINTO CARLOS FERRAS, P.E. #49454  
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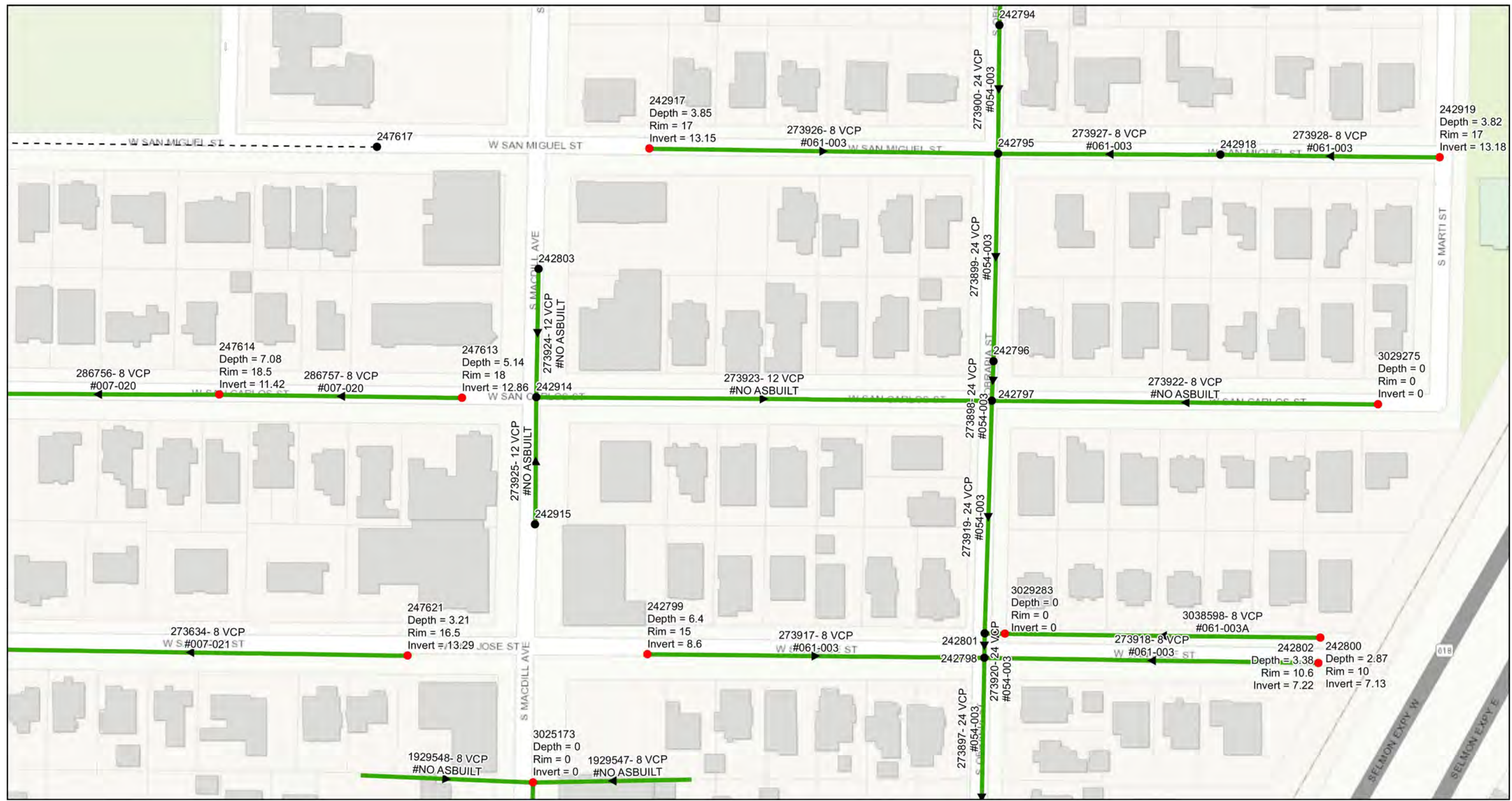
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**CITY of TAMPA**  
 WASTEWATER DEPARTMENT

**Palma Ceia Area Collection**  
 AREA MAP (12)

**SHEET**  
**15**

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**Legend**

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- Proposed Lining Area

JACINTO CARLOS FERRAS, P.E. #49454  
 DESIGN DIVISION HEAD  
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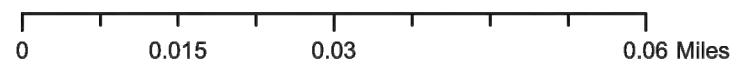
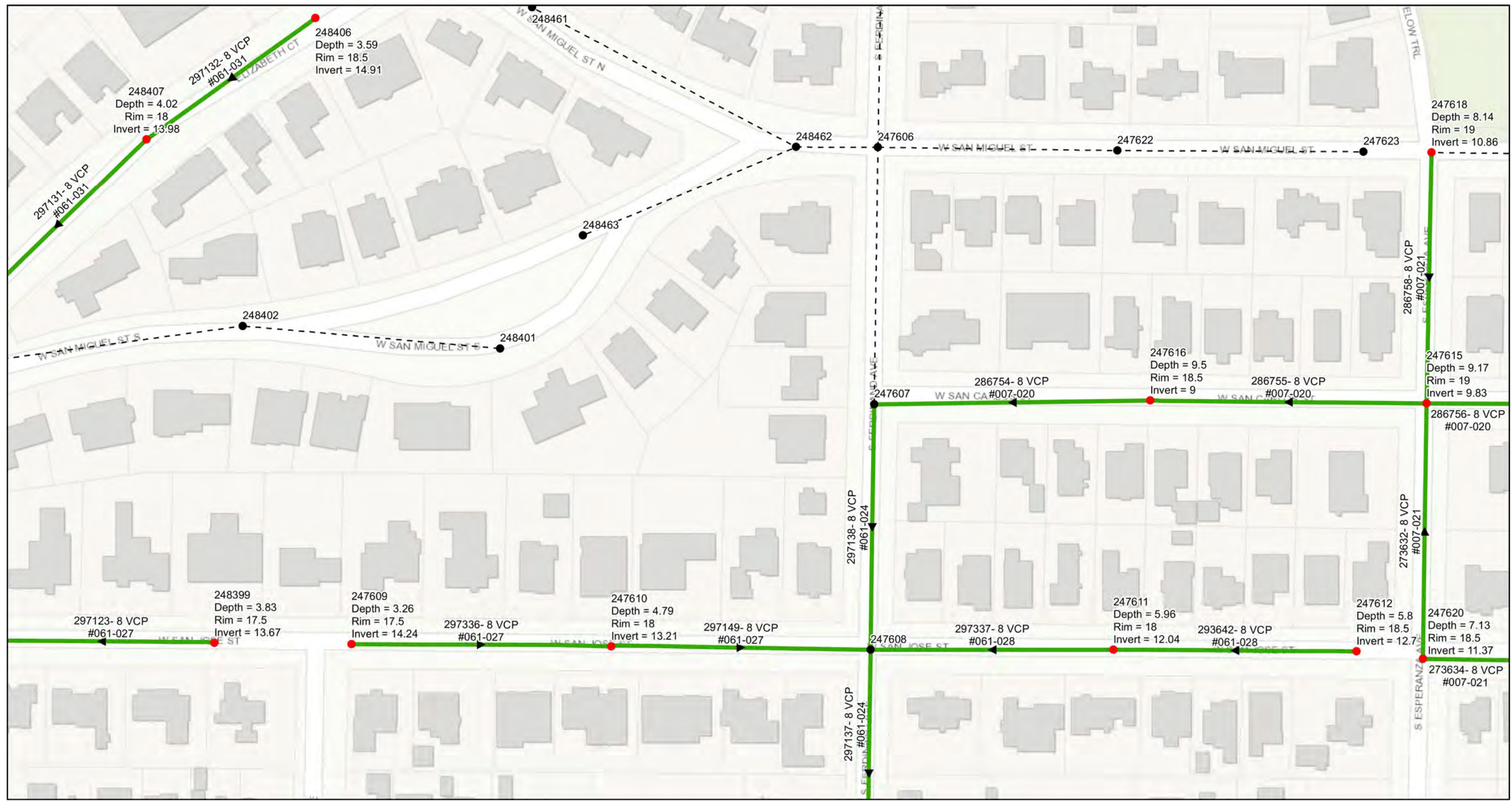
**CITY of TAMPA**  
 WASTEWATER DEPARTMENT

**Palma Ceia Area Collection**  
 AREA MAP (13)

**SHEET**  
**16**



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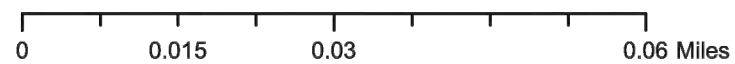
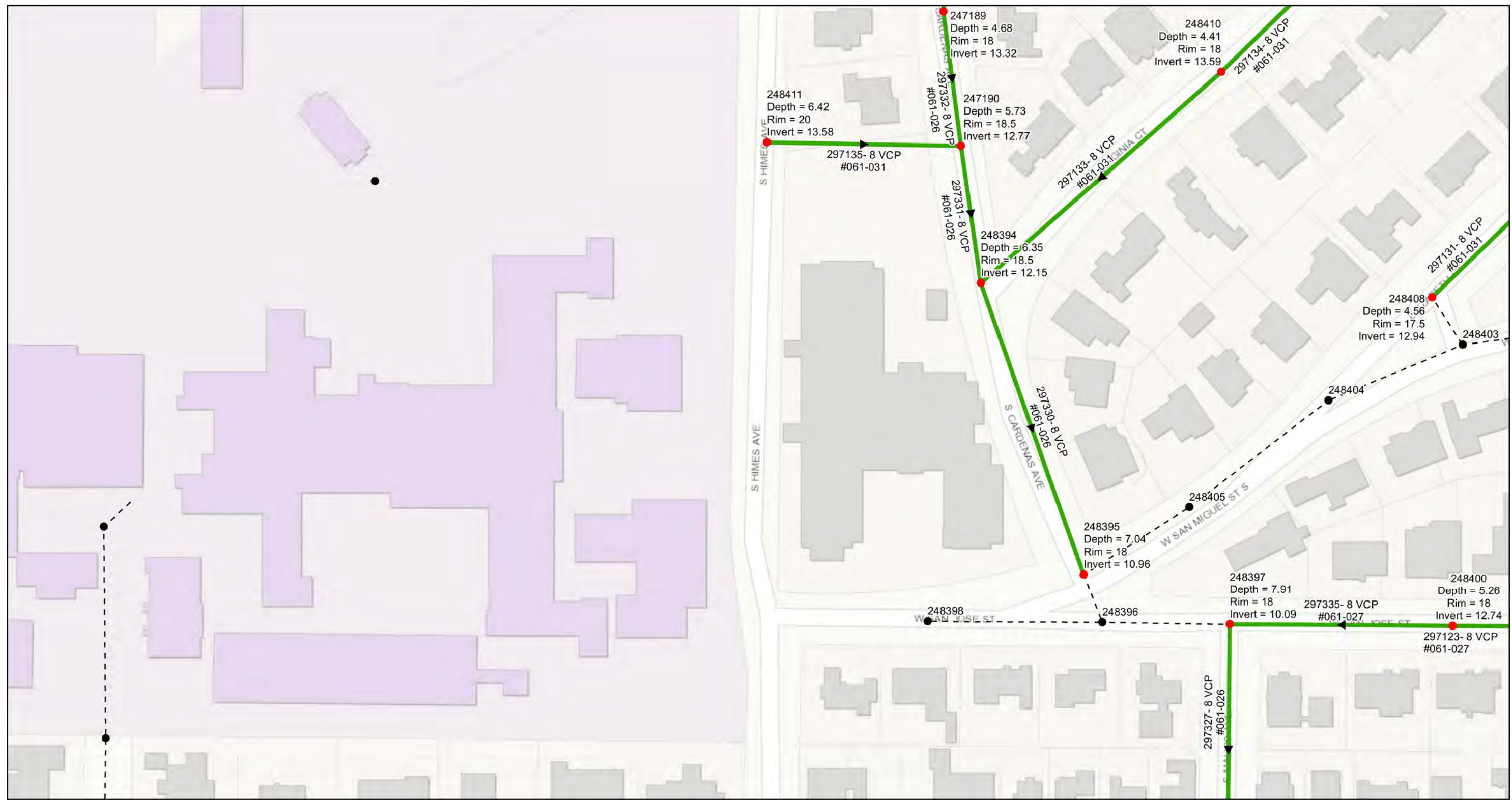
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 WASTEWATER DEPARTMENT

**Palma Ceia Area Collection**  
 AREA MAP (14)

**SHEET**  
**17**

User: ssh5 Drawing Name: K:\Wastewater Projects\Palma Ceia Ph 3 Water Replacement and Wastewater CIPP Lining Projects\Drafting\DWG\Palma Ceia Water Main Replacement and CIPP Lining.dwg  
 Layout- Sep 13, 2021 - 4:14pm CTB - MONO -RED-GREEN.CTB TOSHIBA\_UNL\_COLOR (NORTH WING)



- Legend**
- Ex Manhole (no rehabilitation required)
  - Proposed Manhole Rehabilitation
  - Ex Wastewater (no rehabilitation required)
  - Proposed Lining Area



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

#	DATE	REVISIONS
1		
2		
3		

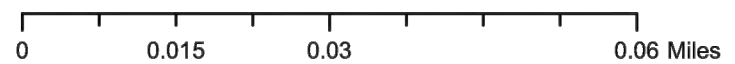
DES: CB  
 DRN: GP  
 CKD:  
 DATE:

CITY of TAMPA  
 WASTEWATER DEPARTMENT

Palma Ceia Area Collection  
 AREA MAP (15)

SHEET  
 18

User: ssh5 Drawing Name: K:\Wastewater Projects\Palma Ceia Ph 3 Water Replacement and Wastewater CIPP Lining Projects\Drafting\DWG\Palma Ceia Water Main Replacement and CIPP Lining.dwg  
 Layout- Sep 13, 2021 - 4:14pm CTB - MONO -RED-GREEN.CTB TOSHIBA\_UNL\_COLOR (NORTH WING)



- Legend**
- Ex Manhole (no rehabilitation required)
  - Proposed Manhole Rehabilitation
  - Ex Wastewater (no rehabilitation required)
  - Proposed Lining Area



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

#	DATE	REVISIONS
1		
2		
3		

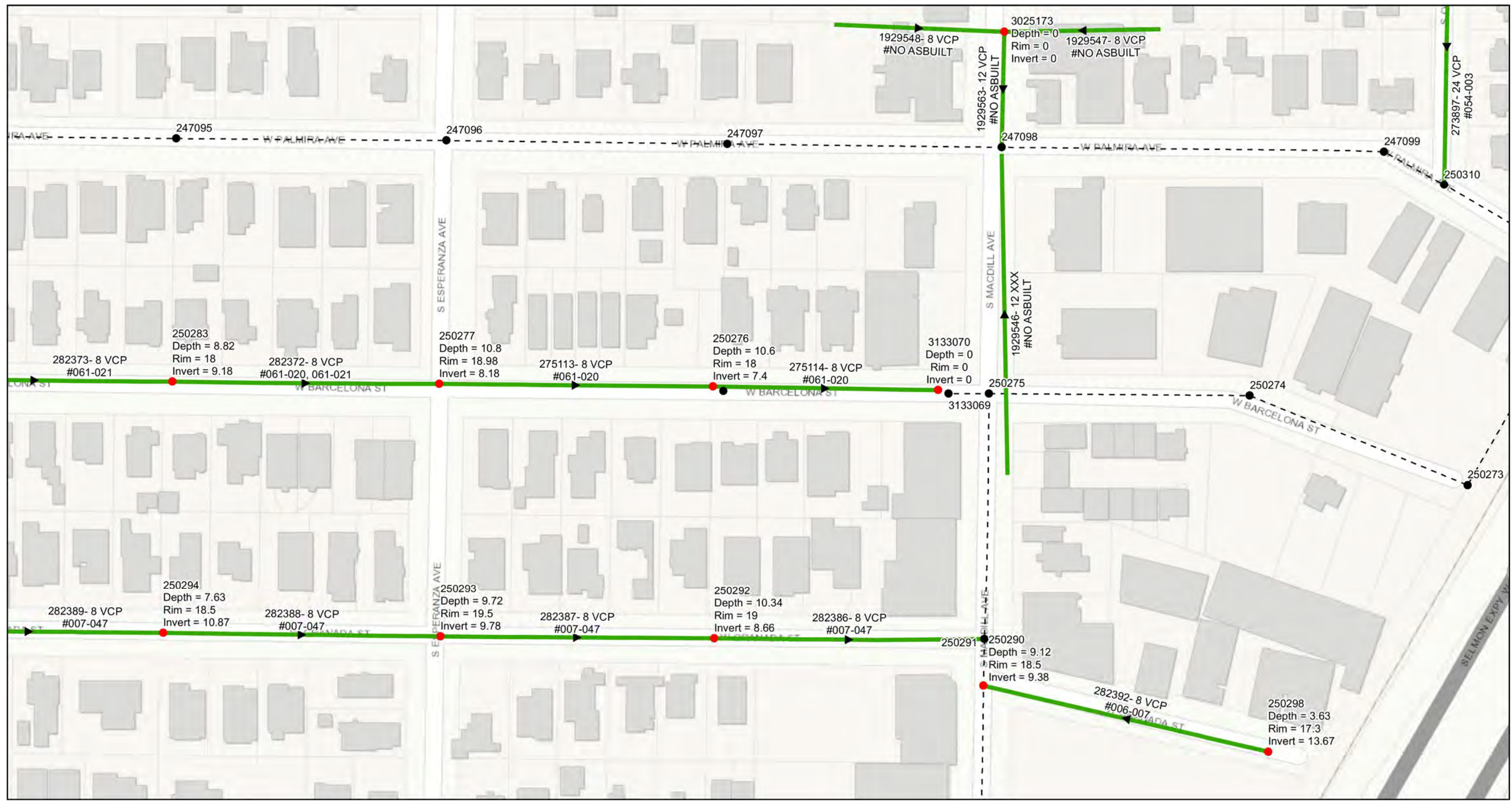
DES: CB  
 DRN: GP  
 CKD:  
 DATE:

**CITY of TAMPA**  
 WASTEWATER DEPARTMENT

**Palma Ceia Area Collection**  
 AREA MAP (16)

**SHEET**  
**19**

User: ssh5 Drawing Name: K:\Wastewater Projects\Palma Ceia Ph 3 Water Replacement and Wastewater CIPP Lining Projects\Palma Ceia Water Main Replacement and CIPP Lining.dwg  
 Layout: Sep 13, 2021 - 4:14pm CTB - MONO -RED-GREEN.CTB TOSHIBA\_UNL\_COLOR (NORTH WING)



0 0.015 0.03 0.06 Miles

- Legend**
- Ex Manhole (no rehabilitation required)
  - Proposed Manhole Rehabilitation
  - Ex Wastewater (no rehabilitation required)
  - Proposed Lining Area



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

#	DATE	REVISIONS
1		
2		
3		

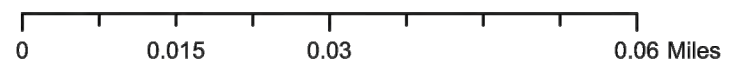
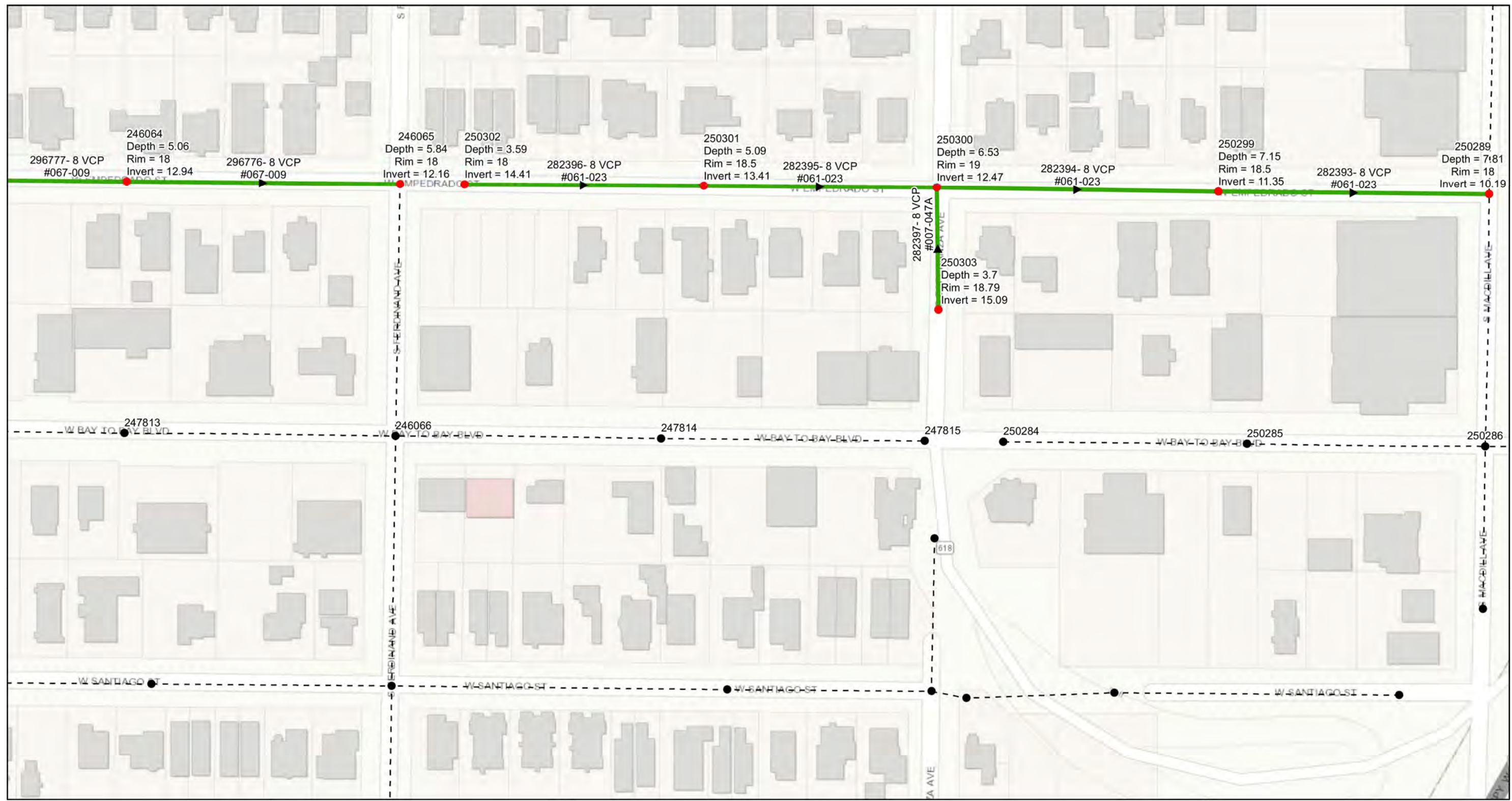
DES: CB  
 DRN: GP  
 CKD:  
 DATE:

**CITY of TAMPA**  
 WASTEWATER DEPARTMENT

**Palma Ceia Area Collection**  
 AREA MAP (17)

**SHEET**  
**20**

User: ssh5 Drawing Name: K:\Wastewater Projects\Palma Ceia Ph 3 Water Replacement and Wastewater CIPP Lining Projects\Drafting\DWG\Palma Ceia Water Main Replacement and CIPP Lining.dwg  
 Layout: Sep 13, 2021 - 4:14pm CTB - MONO -RED-GREEN.CTB TOSHIBA\_UNL\_COLOR (NORTH WING)



- Legend**
- Ex Manhole (no rehabilitation required)
  - Proposed Manhole Rehabilitation
  - — — Ex Wastewater (no rehabilitation required)
  - — — Proposed Lining Area



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

#	DATE	REVISIONS
1		
2		
3		

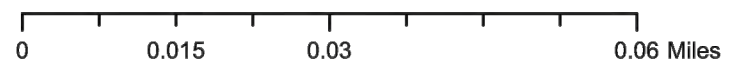
DES: CB  
 DRN: GP  
 CKD:  
 DATE:

**CITY of TAMPA**  
 WASTEWATER DEPARTMENT

**Palma Ceia Area Collection**  
 AREA MAP (18)

**SHEET**  
**21**

User: ssh5 Drawing Name: K:\Wastewater Projects\Palma Ceia Ph 3 Water Replacement and Wastewater CIPP Lining Projects\Drafting\DWG\Palma Ceia Water Main Replacement and CIPP Lining.dwg  
 Layout: Sep 13, 2021 - 4:14pm CTB - MONO - RED-GREEN.CTB TOSHIBA\_UNL\_COLOR (NORTH WING)



- Legend**
- Ex Manhole (no rehabilitation required)
  - Proposed Manhole Rehabilitation
  - Ex Wastewater (no rehabilitation required)
  - Proposed Lining Area



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

#	DATE	REVISIONS
1		
2		
3		

DES: CB  
 DRN: GP  
 CKD:  
 DATE:

CITY of TAMPA  
 WASTEWATER DEPARTMENT

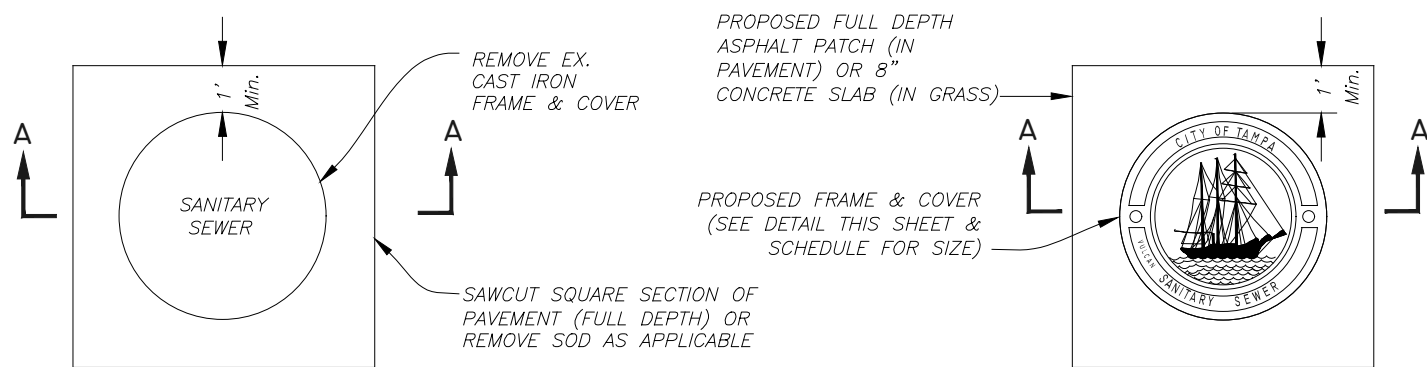
Palma Ceia Area Collection  
 AREA MAP (19)

SHEET  
 22

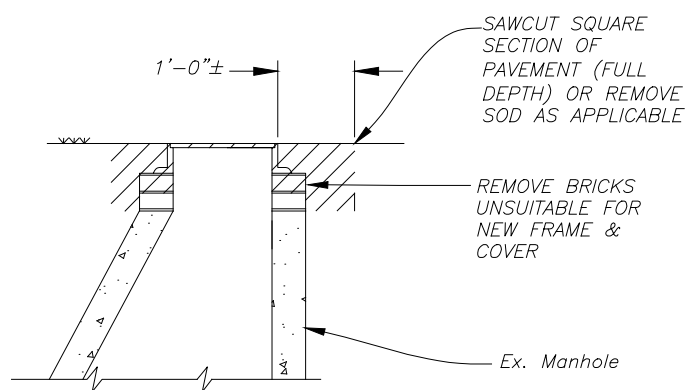
User: ssh5 Drawing Name: K:\Wastewater Projects\Palma Ceia Ph 3 Water Replacement and Wastewater CIPP Lining Projects\Drafting\DWG\Palma Ceia Water Main Replacement and CIPP Lining.dwg Layout: Sep 13, 2021 - 4:14pm

**NOTES**

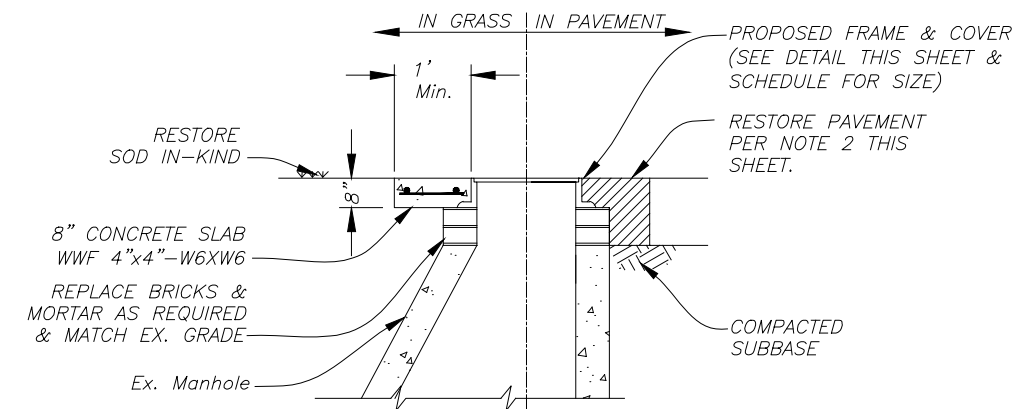
- FOR MANHOLE COVER SIZES AND WHETHER THE COVERS ARE LOCATED IN GRASS OR PAVEMENT, WILL BE PROVIDED ON EACH INDIVIDUAL WORK ORDER ISSUED UNDER THIS CONTRACT.
- PAVEMENT RESTORATION SHALL CONSIST OF 8" PERMANENT BASE (CRUSHED CONCRETE OR CRUSHED LIMEROCK BASE) AND PERMANENT ASPHALT SUPERPAVE PAVEMENT, UNLESS OTHERWISE NOTED. IF LOCATED IN D.O.T. ROW, AN ADDITIONAL 1 1/2" SUPER PAVE ASPHALT IS REQUIRED.



**PLAN**

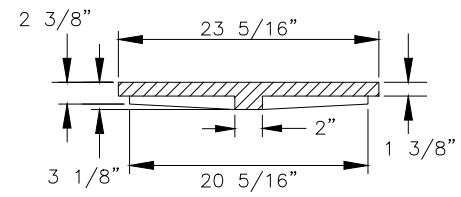


**SECTION A-A  
REMOVAL DETAIL**

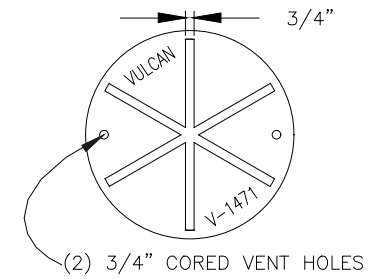


**SECTION B-B  
REPLACEMENT  
DETAIL**

**SMALL COVER DETAIL**



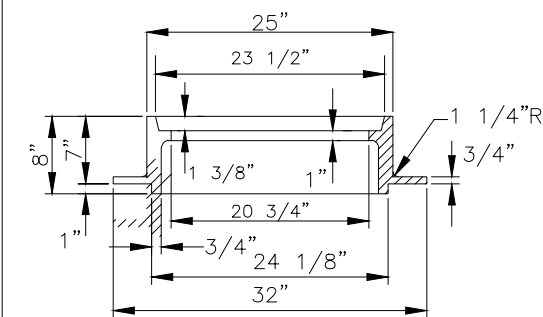
**COVER SECTION**



**COVER BACK**



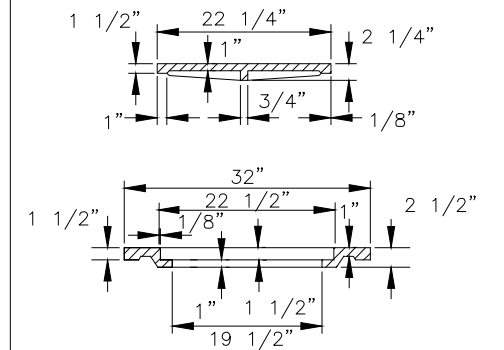
**COVER FACE**



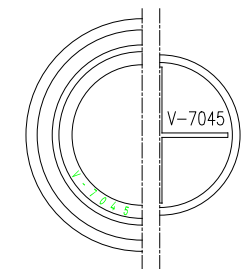
**FRAME SECTION**

FOR MH'S OF SEWERS 24" OR LESS IN DIAMETER:  
VULCAN FOUNDRY NO. V-1471,  
U.S. FOUNDRY NO. 575-AT, OR EQUAL

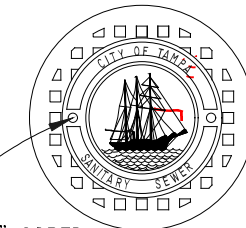
**LARGE COVER DETAIL**



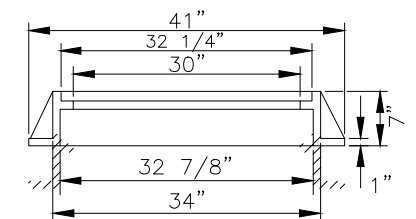
**INNER & OUTER COVER SECTIONS**



**COVER BACKS**



**COVER FACES**



**FRAME SECTION**

FOR MH'S OF SEWERS 27" OR GREATER IN DIAMETER:  
VULCAN FOUNDRY NO. V-7045,  
U.S. FOUNDRY NO. 230-AB-M, OR EQUAL

**HEAVY DUTY CAST IRON MANHOLE FRAME & COVER DETAILS**

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

#	DATE	REVISIONS
1		
2		
3		

DES: CB  
DRN: GP  
CKD:  
DATE:

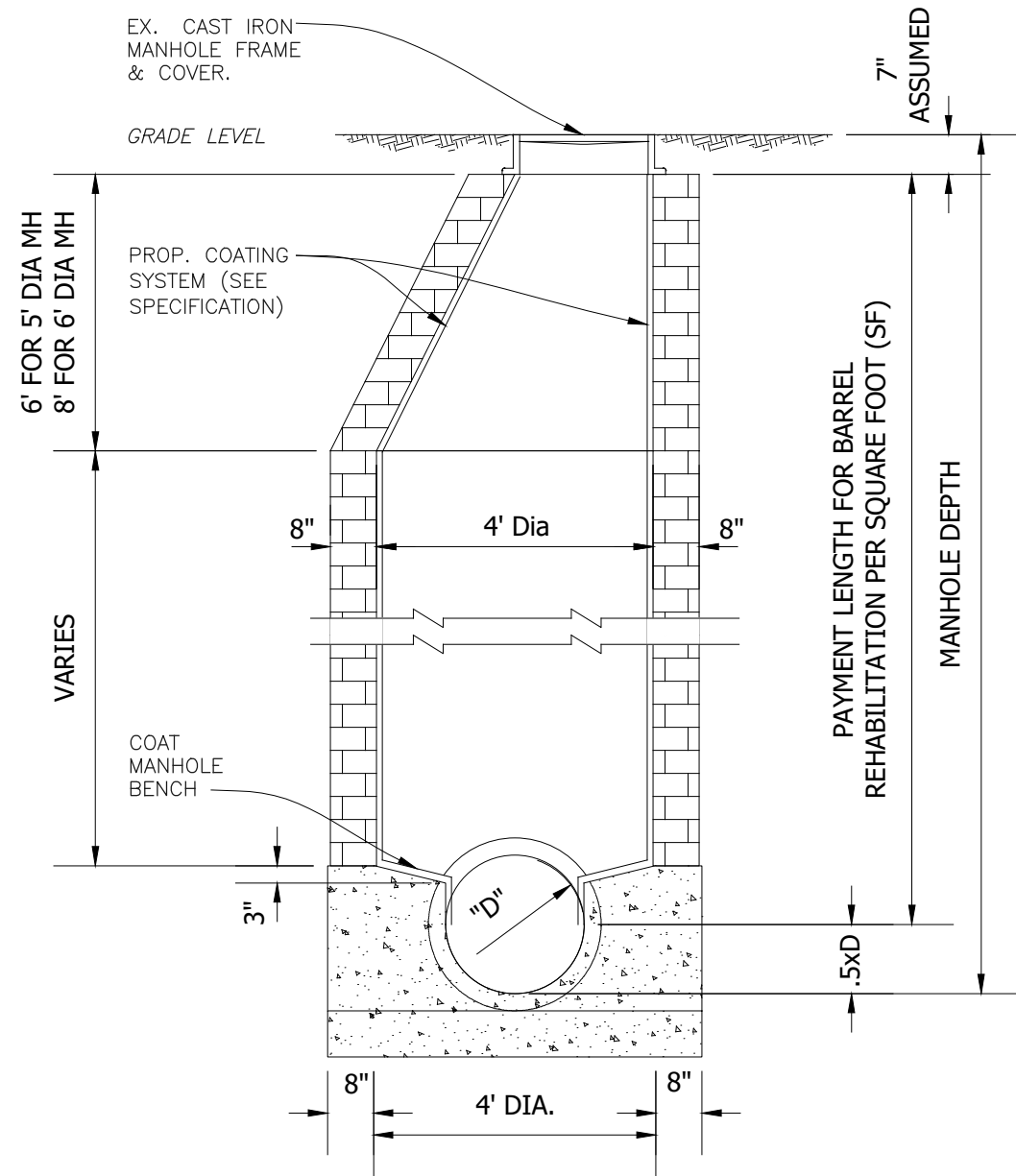
**CITY of TAMPA**  
WASTEWATER DEPARTMENT

Palma Ceia Area Collection  
MANHOLE DETAIL

SHEET  
**23**

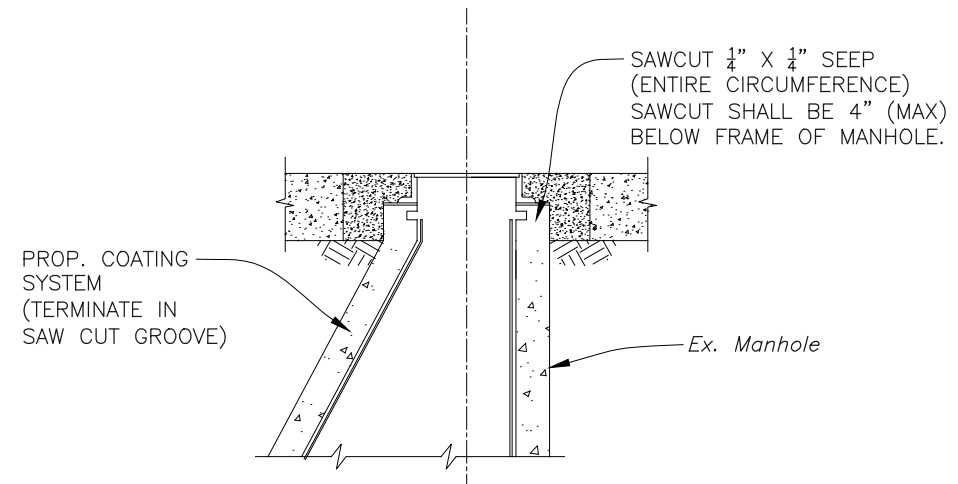
**NOTES**

1. REMOVE ALL DEBRIS AND LOOSE BRICKS FROM THE TOP OF THE BENCH.
2. INSTALL A MINIMUM 1" THICK CLASS "D" CONCRETE OVER EXISTING BENCH. ALLOW CONCRETE TO CURE (MIN. 24 HRS. UNLESS OTHERWISE APPROVED BY THE ENGINEER).
3. OVERLAY BENCHES WITH PROPOSED COATING SYSTEM.
4. PROVIDE 6" COATING THICKNESS TRANSITION. PAYMENT FOR THIS ITEM IS INCLUDED IN THE BENCH RESTORATION.



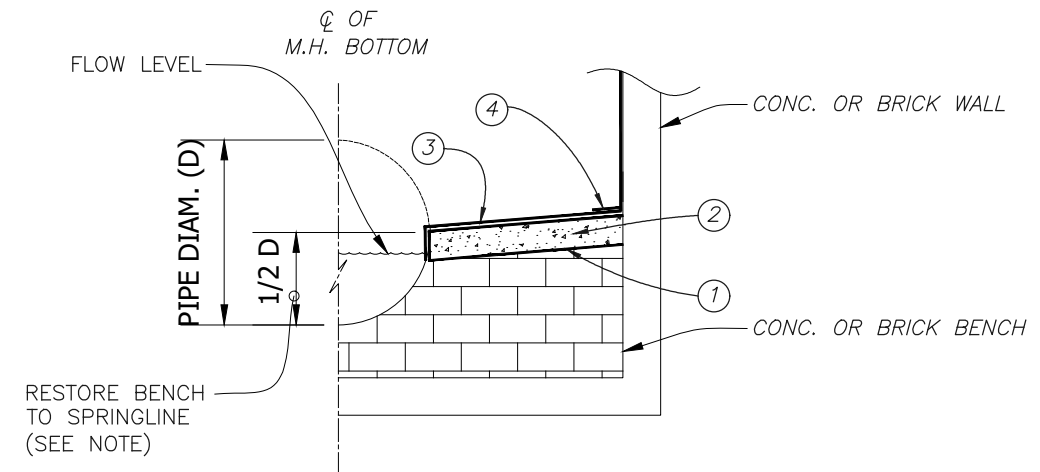
**BRICK OR CONCRETE MANHOLE (TYPICAL)**

SCALE: N.T.S.



**COATING TERMINATION DETAIL**

SCALE: N.T.S.



**TYPICAL MANHOLE BENCH RESTORATION DETAIL**

SCALE: N.T.S.

#	DATE	REVISIONS
1		
2		
3		

DES: CB  
DRN: GP  
CKD:

**CITY of TAMPA**  
WASTEWATER DEPARTMENT

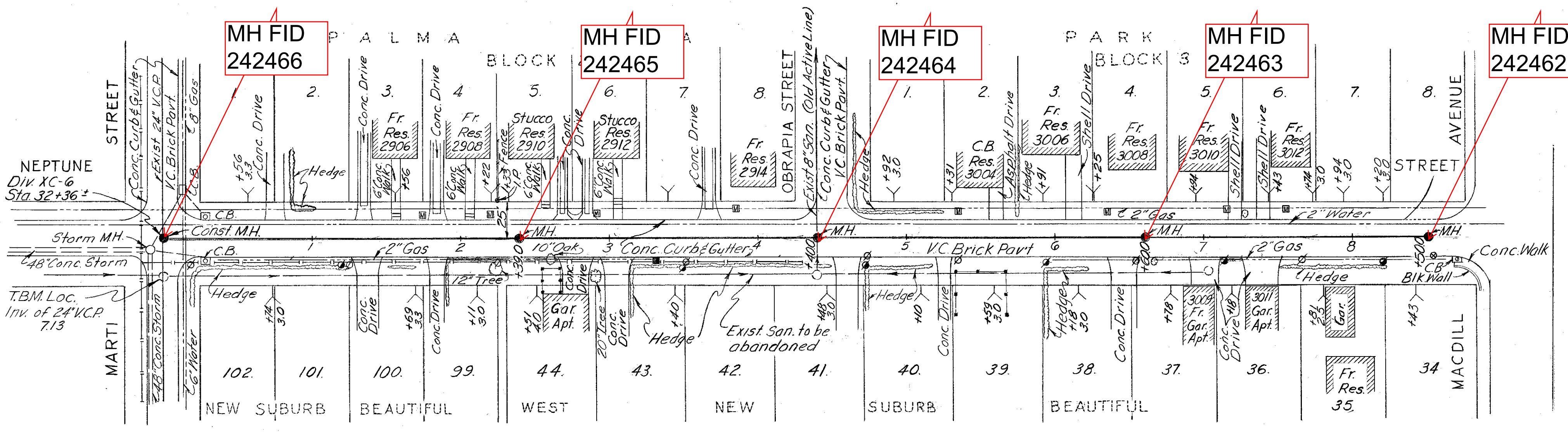
Palma Ceia Area Collection

MANHOLE DETAILS

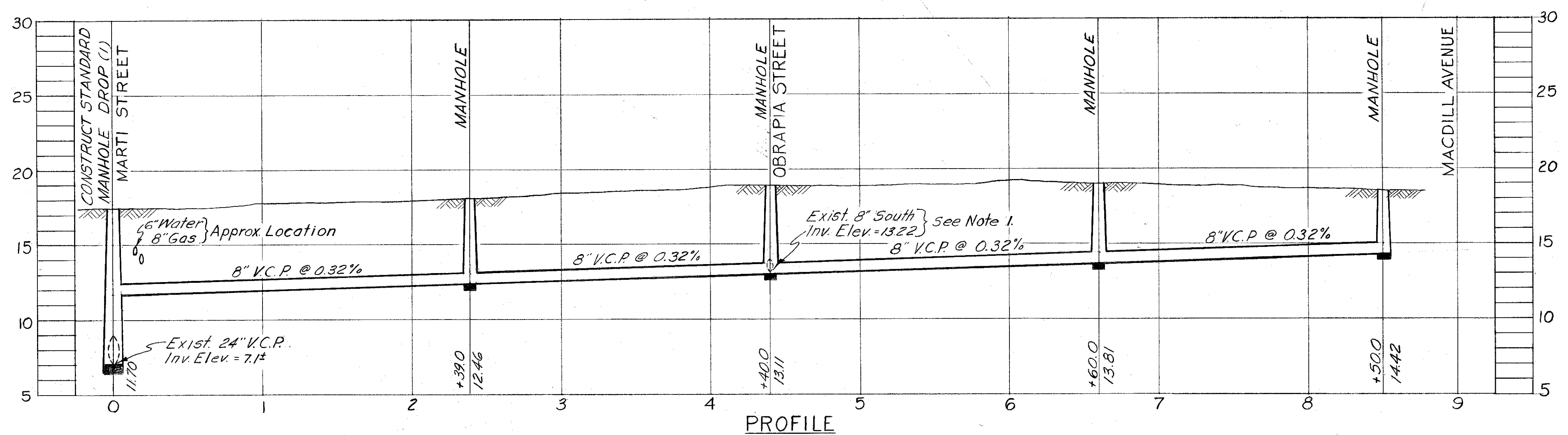
SHEET

24

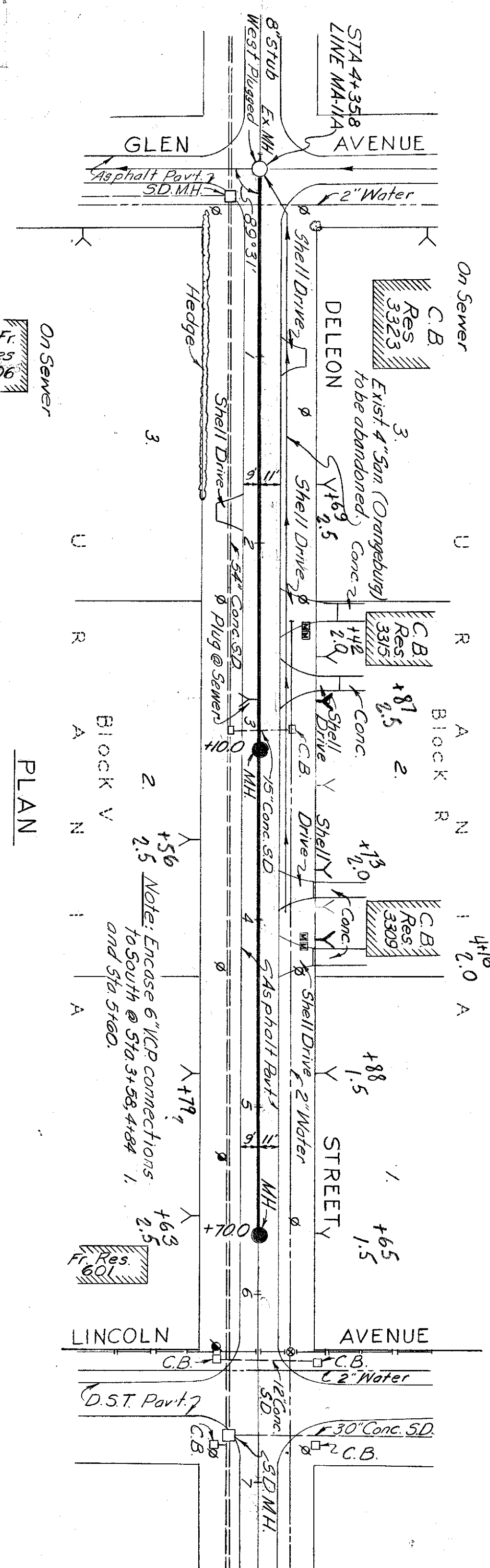
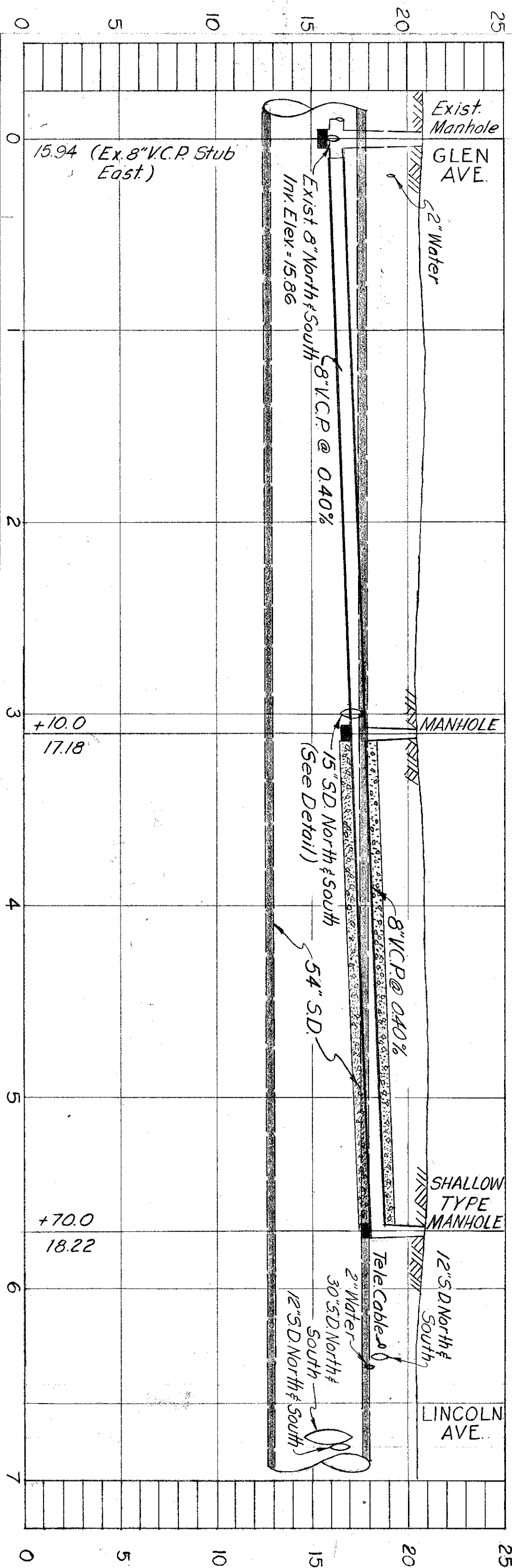
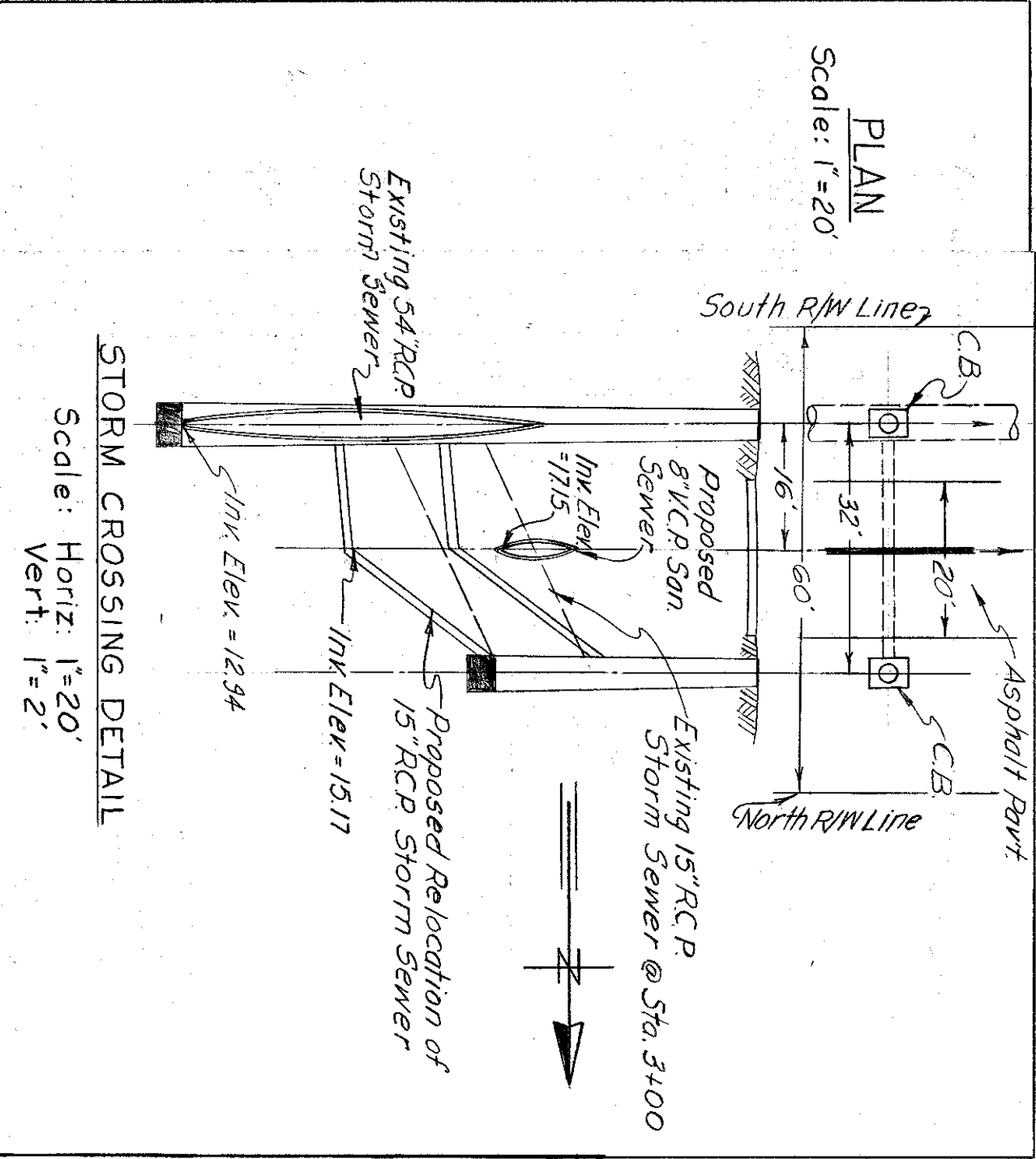




PLAN



PROFILE  
W.O. NO. 1419



PLAN

WORK ORDER NO. 1419 & 1455  
R & R FORCE ACCOUNT NO. 36  
FOR BUREAU OF SANITARY SEWERS  
DEPT. OF PUBLIC WORKS

RECEIVED: *[Signature]* Date: 8-28-62  
FOR BUREAU OF SANITARY SEWERS  
DEPT. OF PUBLIC WORKS

APPROVED: *[Signature]* Date: 9-11-62  
SUPERVISOR

APPROVED: *[Signature]* Date: 9-11-62  
SUPERVISOR

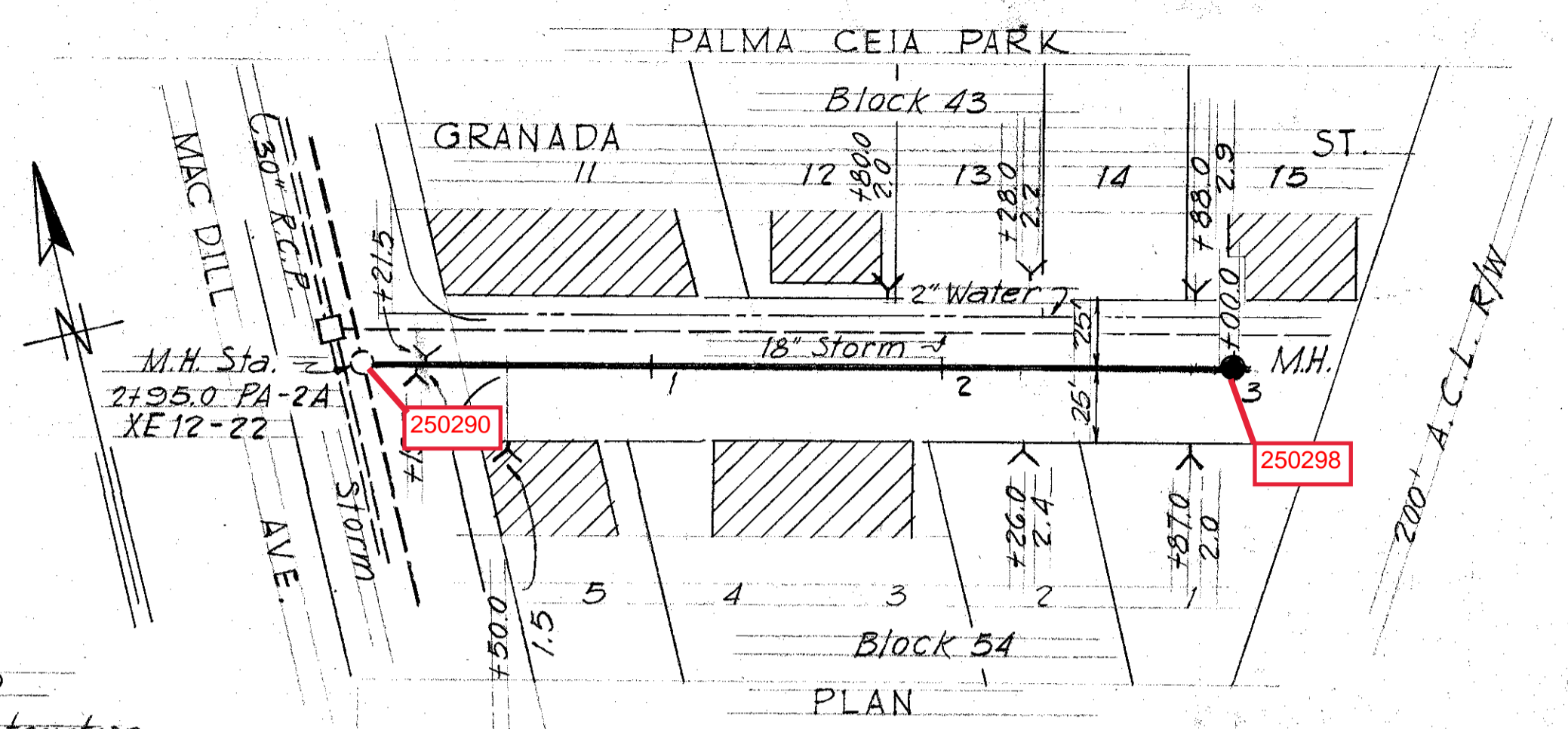
DESIGNED BY: *[Signature]* DATE: JULY 1960

SCALE: 1" = 50'

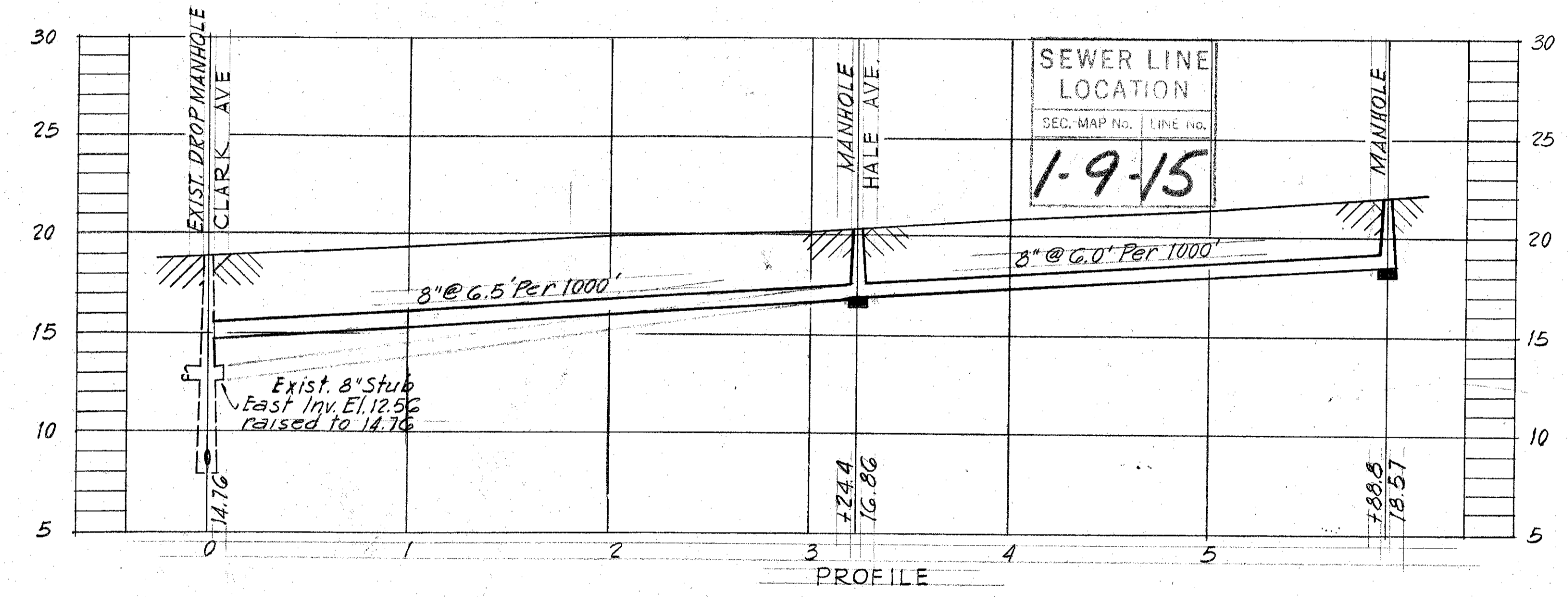
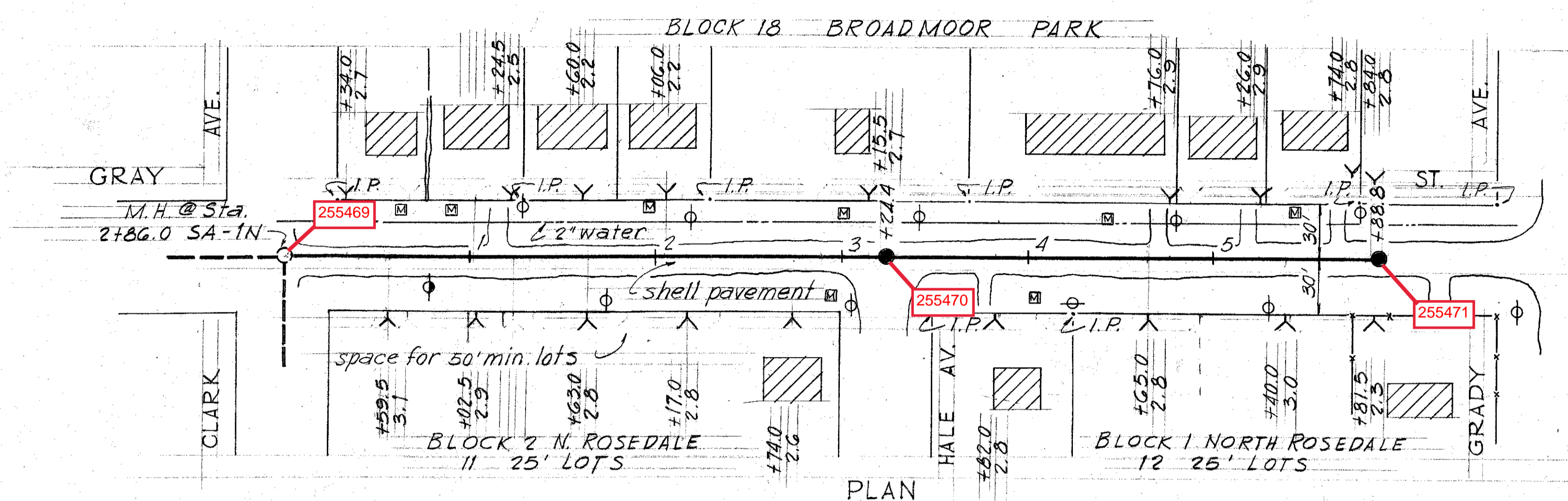
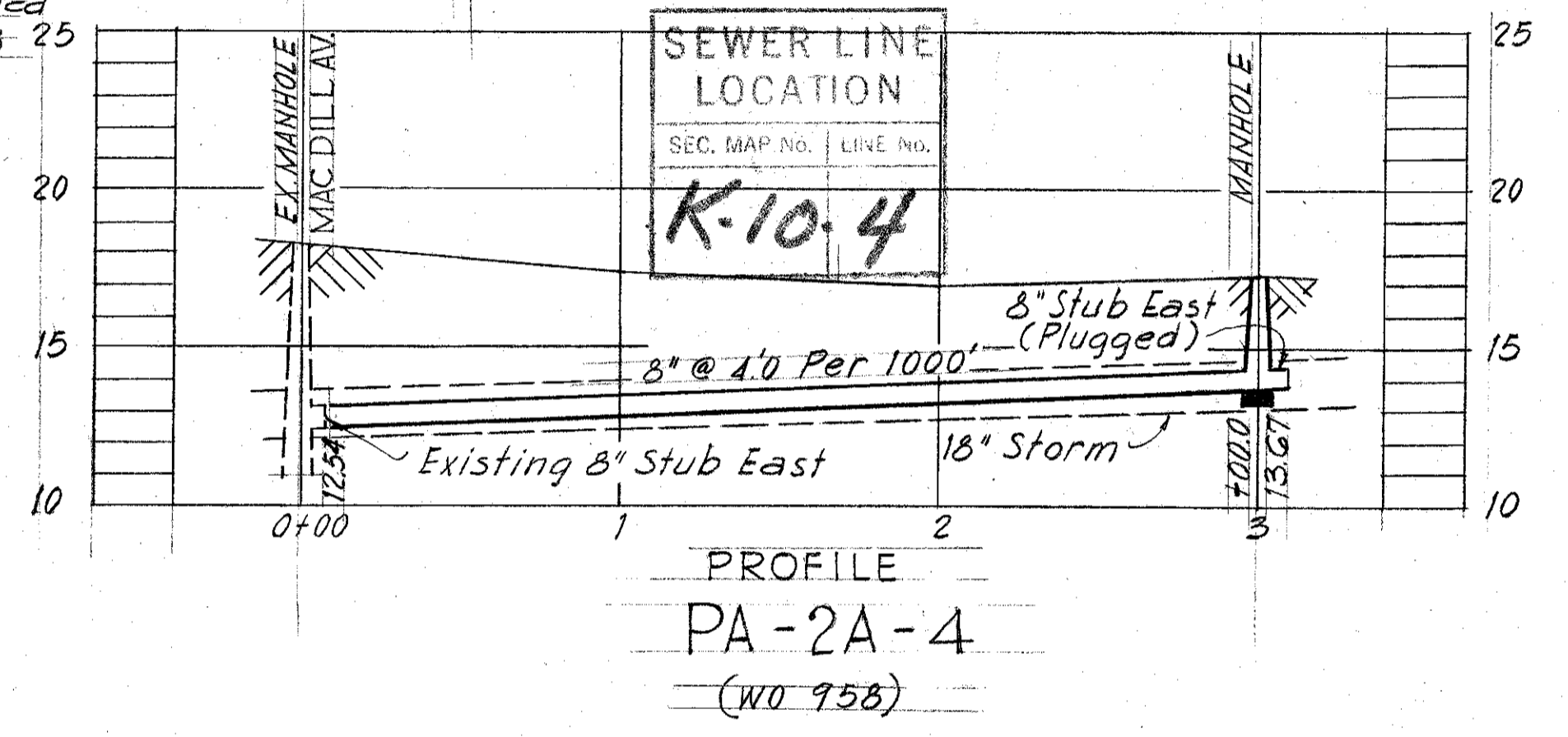
SHEET 2 OF 2

CITY OF TAMPA, FLORIDA  
SEWER IMPROVEMENTS  
NEPTUNE ST - Marti to Mac Dill  
DELEON ST - Glen to Lincoln

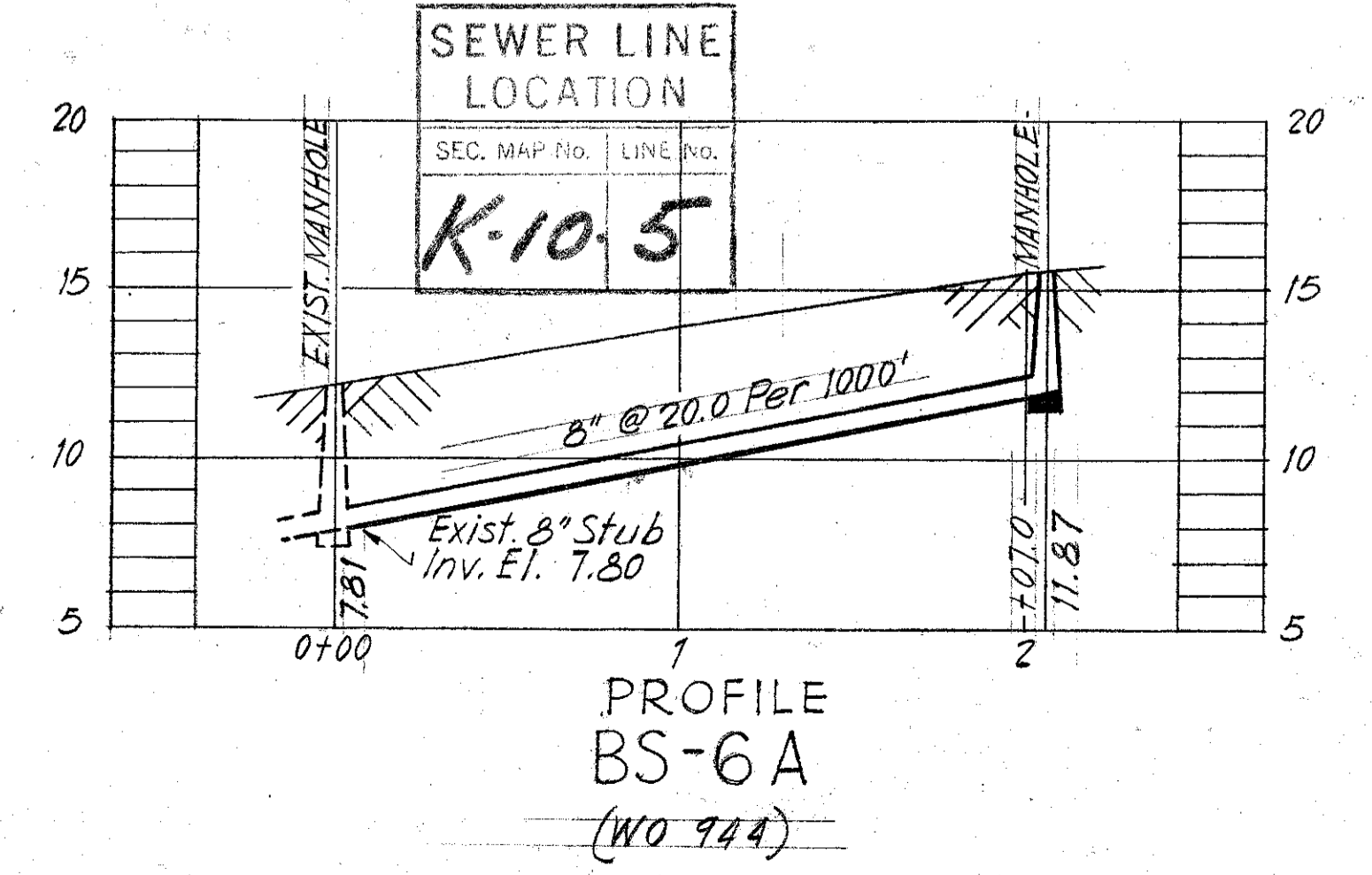
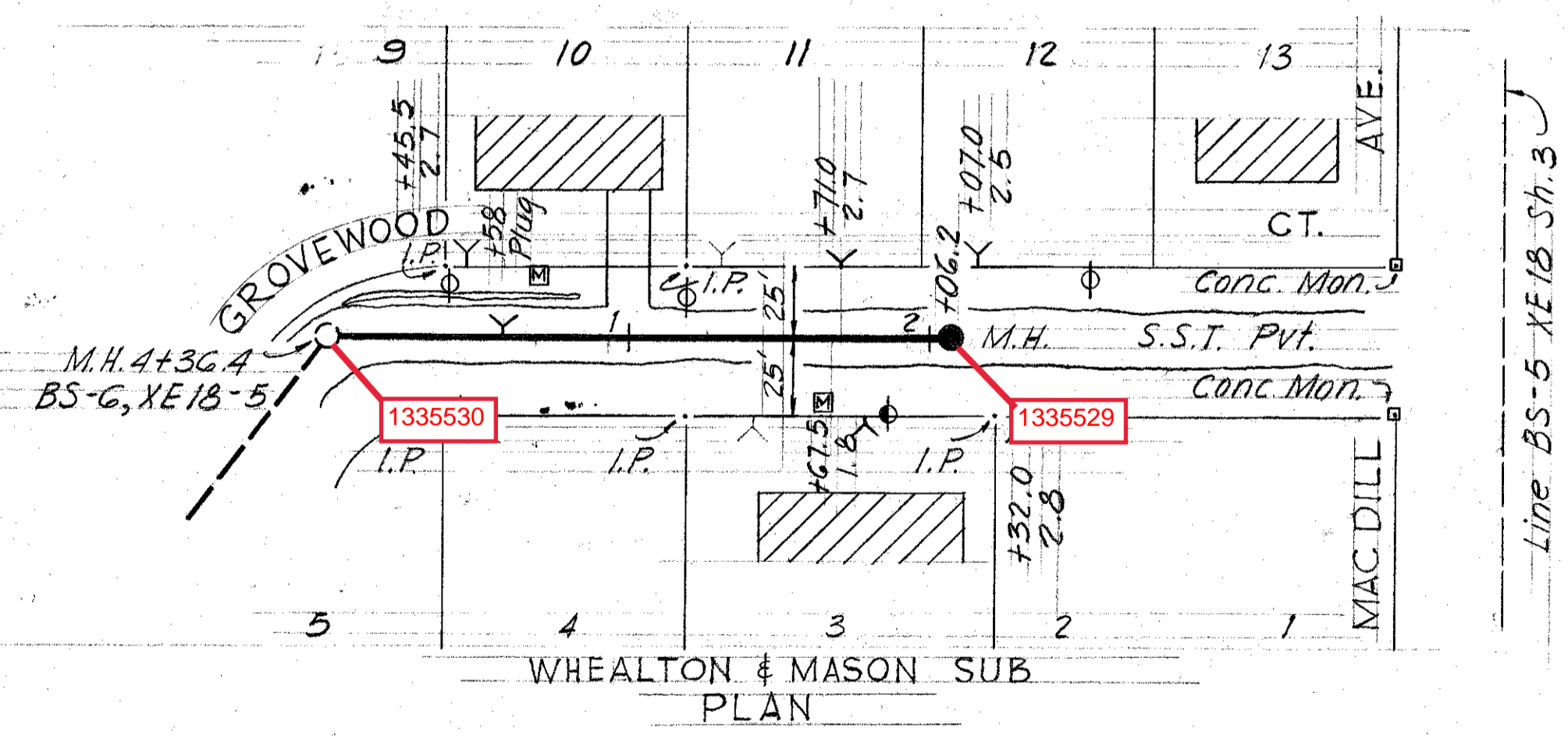
NOTES:  
1) Ex San Sewer from MH, Sta 4+40.0, open to MH for maintenance purposes; existing San N of aforementioned MH to be abandoned.  
2) Deleon St., elev. reference: BM 14-2 Elev 19.060 - Top N. curb Swan Ave. 3.5W of C.B. @ N.W. Inters of Swan and Glen



AS BUILT PLAN  
Correct according to construction records & field check, started 12/11/58, completed 12/18/58 25



AS BUILT PLAN  
Correct according to construction records & field check. Started 3/2/59, completed 3/9/59 (Bang)



AS BUILT PLAN  
Correct according to construction records & field check. Started 1/2/59, Completed 1/12/59 (Rogers)

GREELEY AND HANSEN ENGINEERS CHICAGO, ILL.

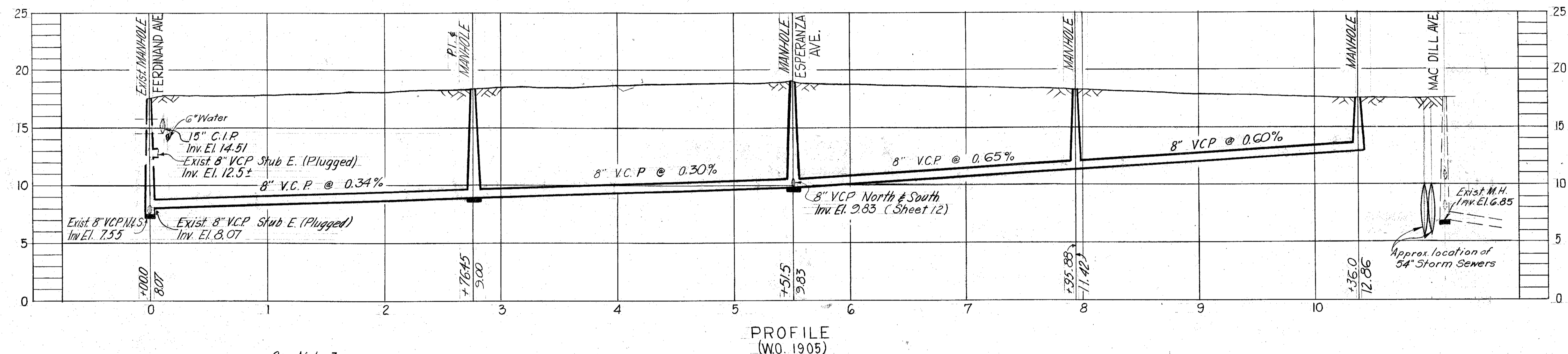
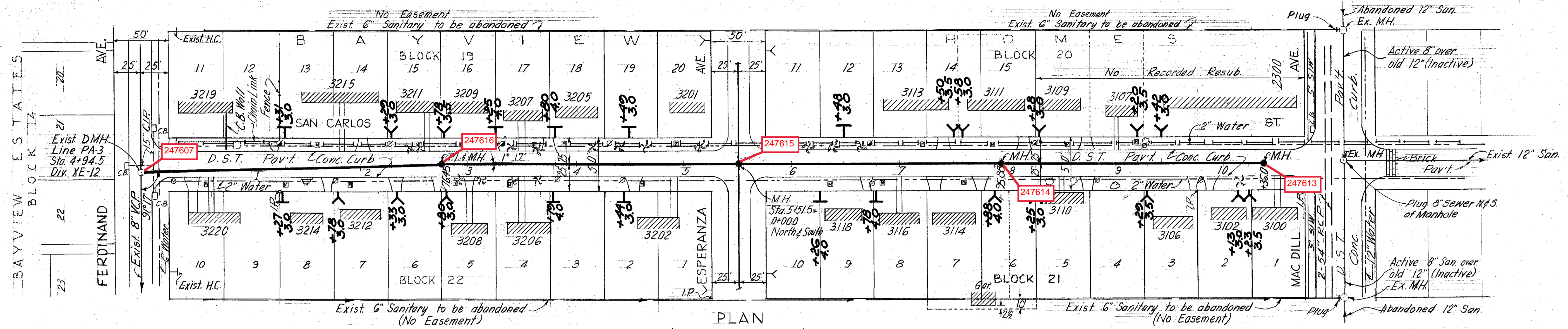
CITY OF TAMPA, FLORIDA  
SEWER EXTENSION FUND  
SEWER IMPROVEMENTS IN AREAS 12, 18 & 21  
**PA-2A-4, BS-6A & SA-1N-A**

FORCE ACCOUNT NO. X-6  
SUBMITTED: *S. M. Danman*  
BUREAU OF SANITARY SEWERS  
APPROVED: *Richard E. Fortin* 4-2-59  
GREELEY AND HANSEN, ENGINEERS

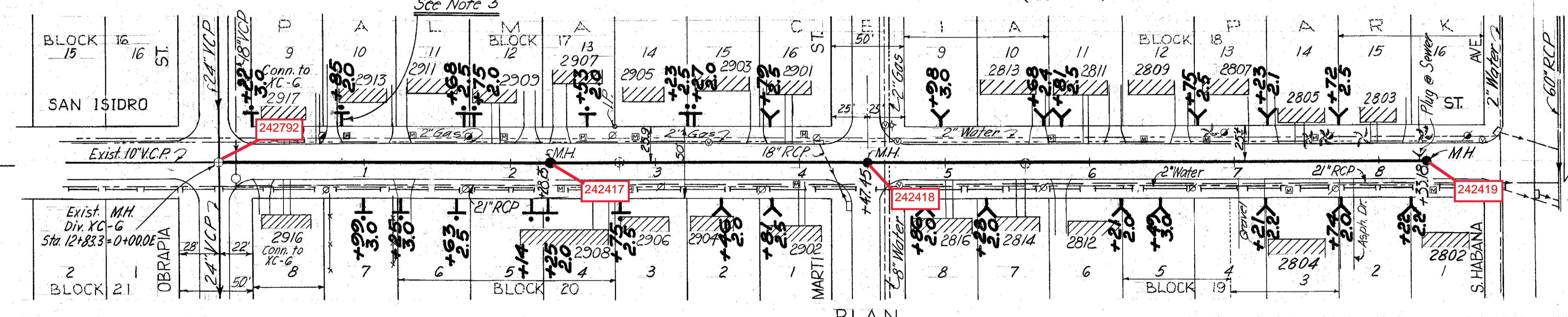
DES. ECA  
DR. ECA  
CKD. REF  
DATE: DEC., 1958

SCALE  
50 0 50 100  
1" = 50'

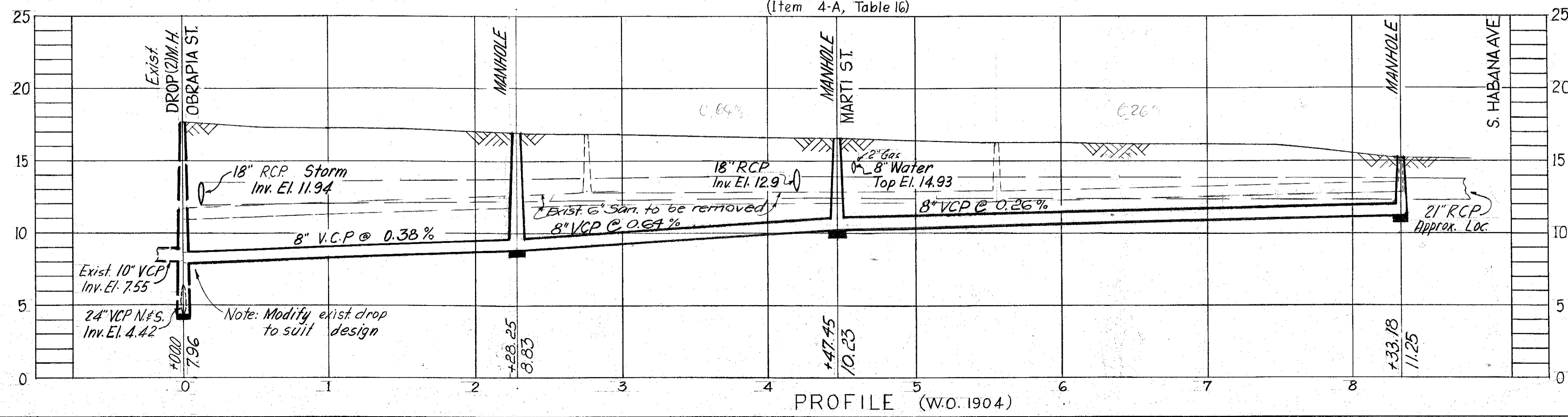
SHEET  
1  
OF 5



City Bench Mark used: Elev. 18.451  
A-982 cut on sidewalk @ S.W. corner of bldg on N.E. corner of San Carlos & Mac Dill



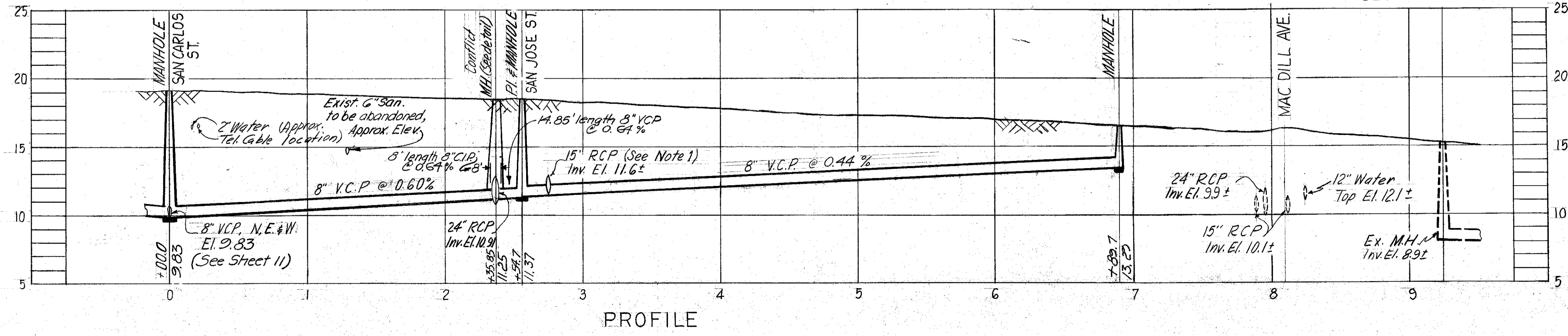
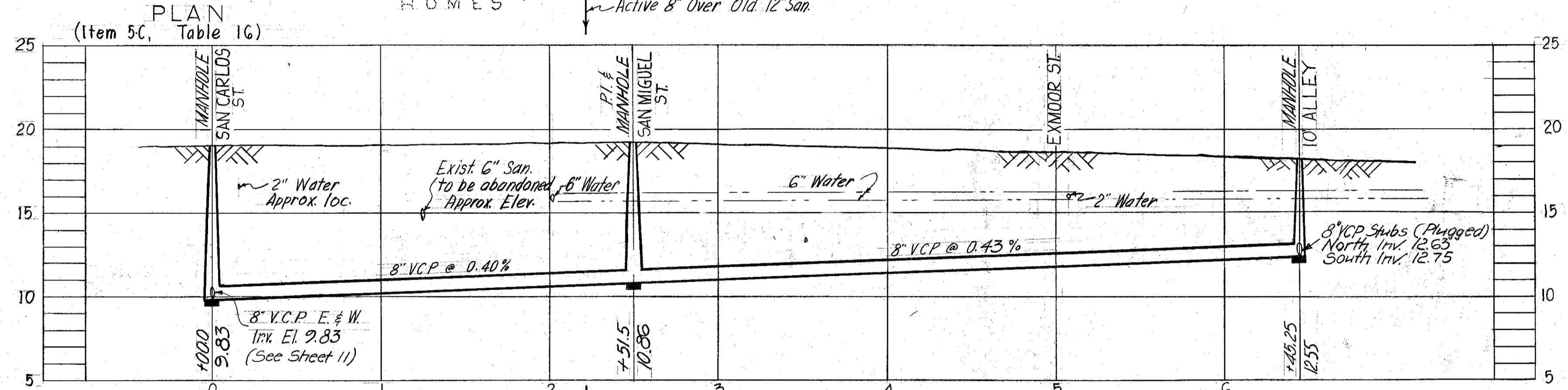
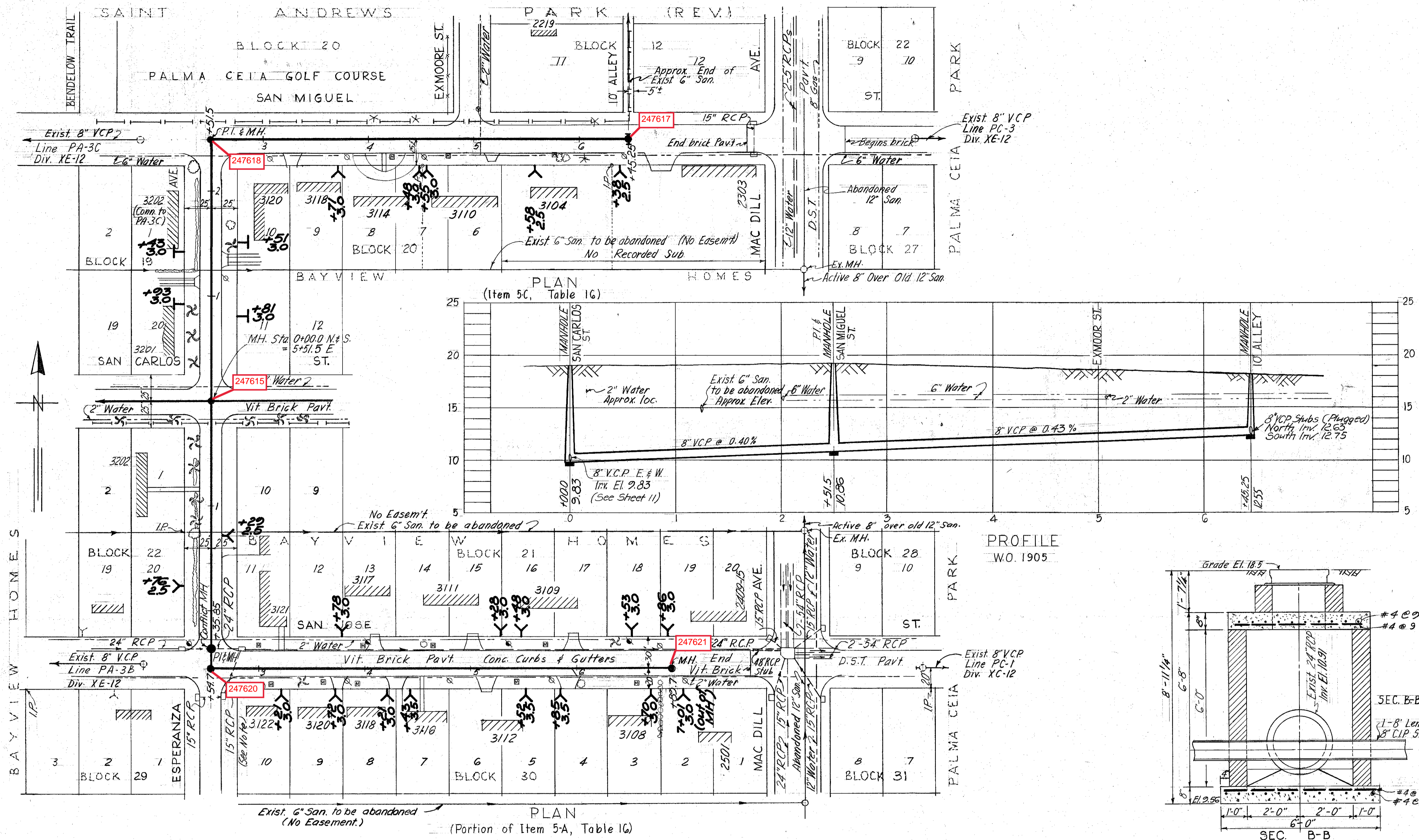
T.B.M. used: Elev. 15.259  
20d spike in N. side of Power Pole @ S.W. corner of San Isidro & Habana, run in from City Bench Mark # A-984.



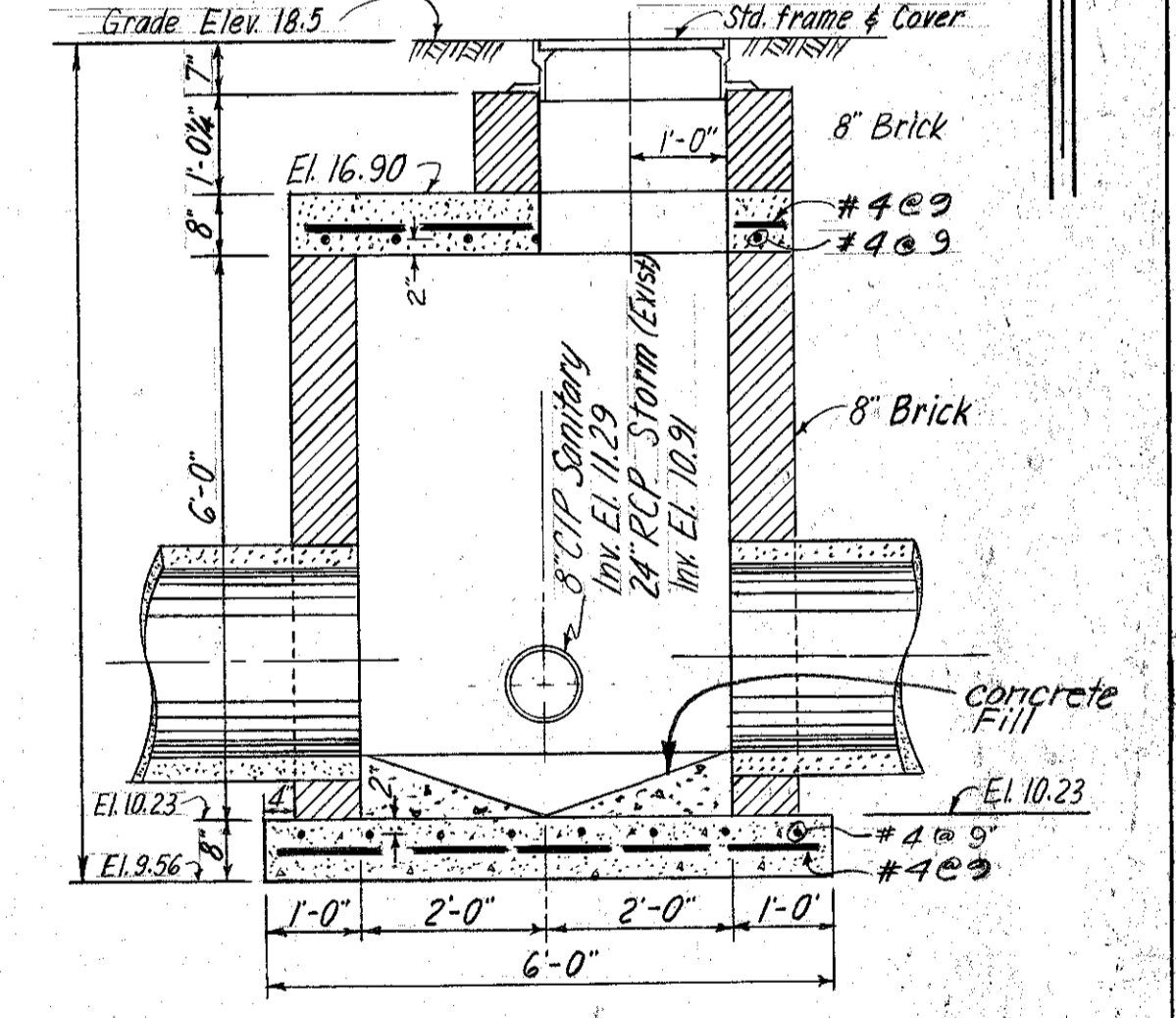
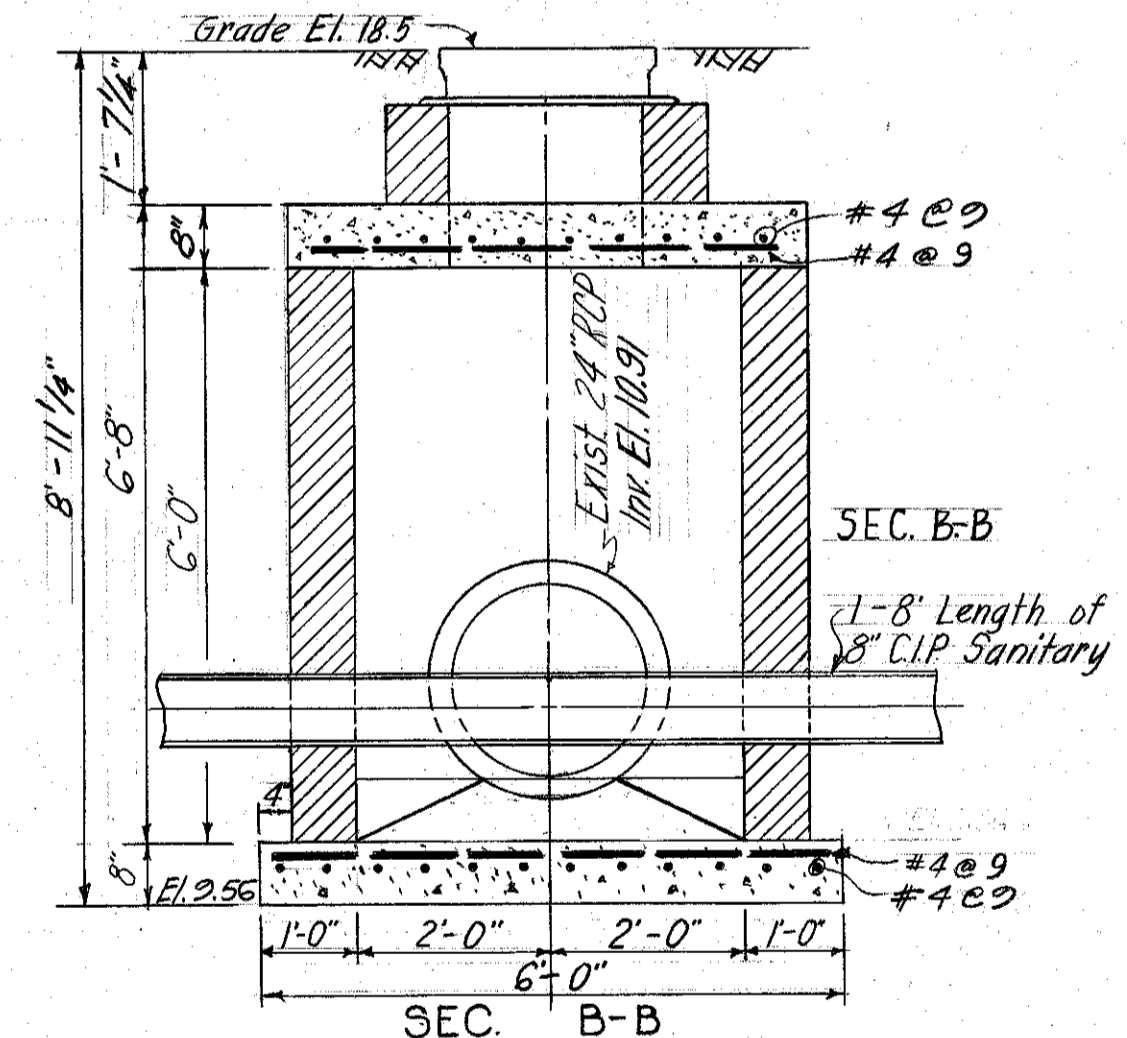
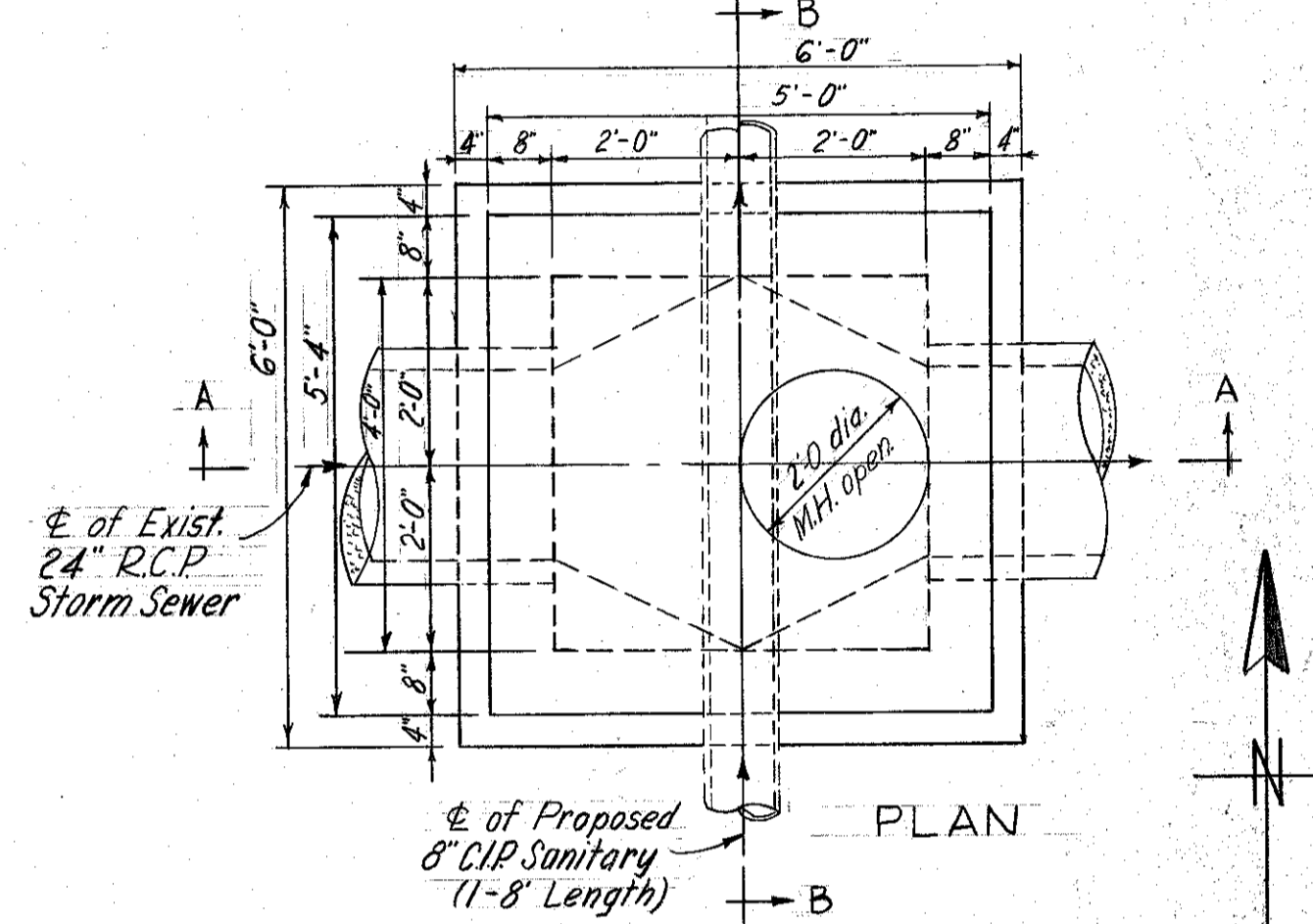
- Note:
- 1) All walks & drive ways are concrete unless noted otherwise
  - 2) Field Check (Party Chief Norris) revealed No San connections to Mac Dill Ave. from the West in the 2300 thru 2500 blocks of Mac Dill Ave.
  - 3) † = House Connection to Inclined Riser

AS-BUILT PLAN  
REVISED TO SHOW ACTUAL CONDITIONS  
ACCORDING TO CONSTRUCTION RECORDS  
AS OF 6-26-64 PER HK

CITY OF TAMPA, FLORIDA		
THIRD SEWER REVENUE BOND PROGRAM		
SEWER IMPROVEMENTS		
SAN CARLOS ST: Ferdinand Ave. to Mac Dill Ave.		
SAN ISIDRO ST: Obropia St. to Habana Ave.		
DES: JMR	RENEWAL & REPLACEMENT PROGRAM	SHEET 11 OF 15
DRN: JMR		
CKD: CMT		
SCALE: 1"=50'		
DATE: Dec. 1963	PROJECT 3-2 SUBDISTRICT A-4	



- NOTES:
1. Relay exist 15" RCP Storm Sewer from S.E. (Inv. 13.4) corner to NE (Inv. 11.1) of Esperanza & San Jose intersection for adequate clearance of 8" Sanitary. Approx. 48' @ existing slope of 4.8%
  2. City Bench Mark (#A-982) used: Elev. 18.451  
cut on Sidewalk @ S.W. corner of Bldg. on NW corner of San Carlos & Mac Dill.
  3. All walks & Driveway are Concrete unless otherwise noted.
  4. Field Check (Party Chief Norris) revealed no San. connections to Mac Dill Ave. from the West in the 2300 through 2500 blocks of Mac Dill Ave.

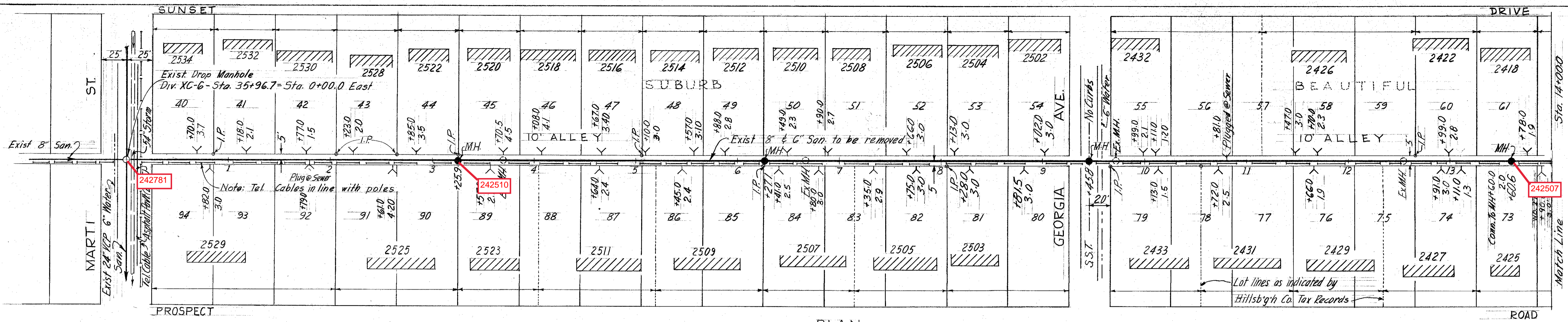


CONFLICT MANHOLE @ ESPERANZA & SAN JOSE  
(STA. 2+370)  
Scale: 1/2" = 1'-0"

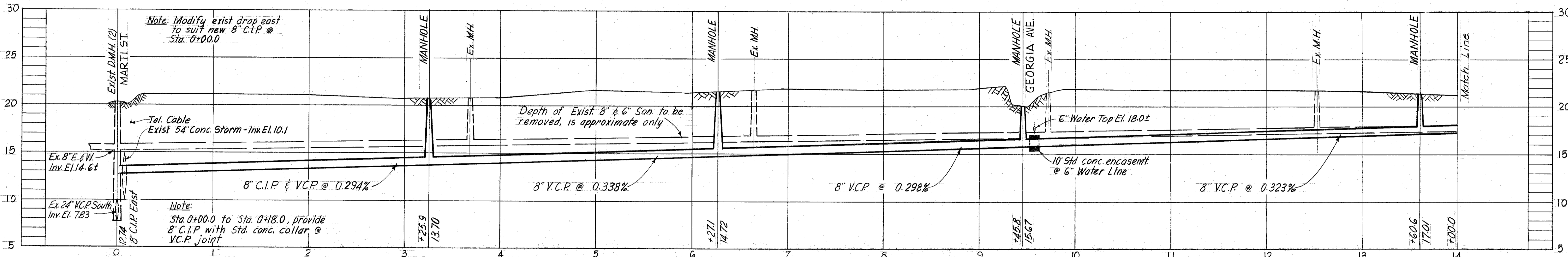
CITY OF TAMPA, FLORIDA  
THIRD SEWER REVENUE BOND PROGRAM  
SEWER IMPROVEMENTS

SAN MIGUEL ST.: Esperanza Ave. to Mac Dill Ave.  
SAN JOSE ST.: Esperanza Ave. to Mac Dill Ave.  
ESPERANZA AVE.: San Miguel St. to San Jose St.

7-21

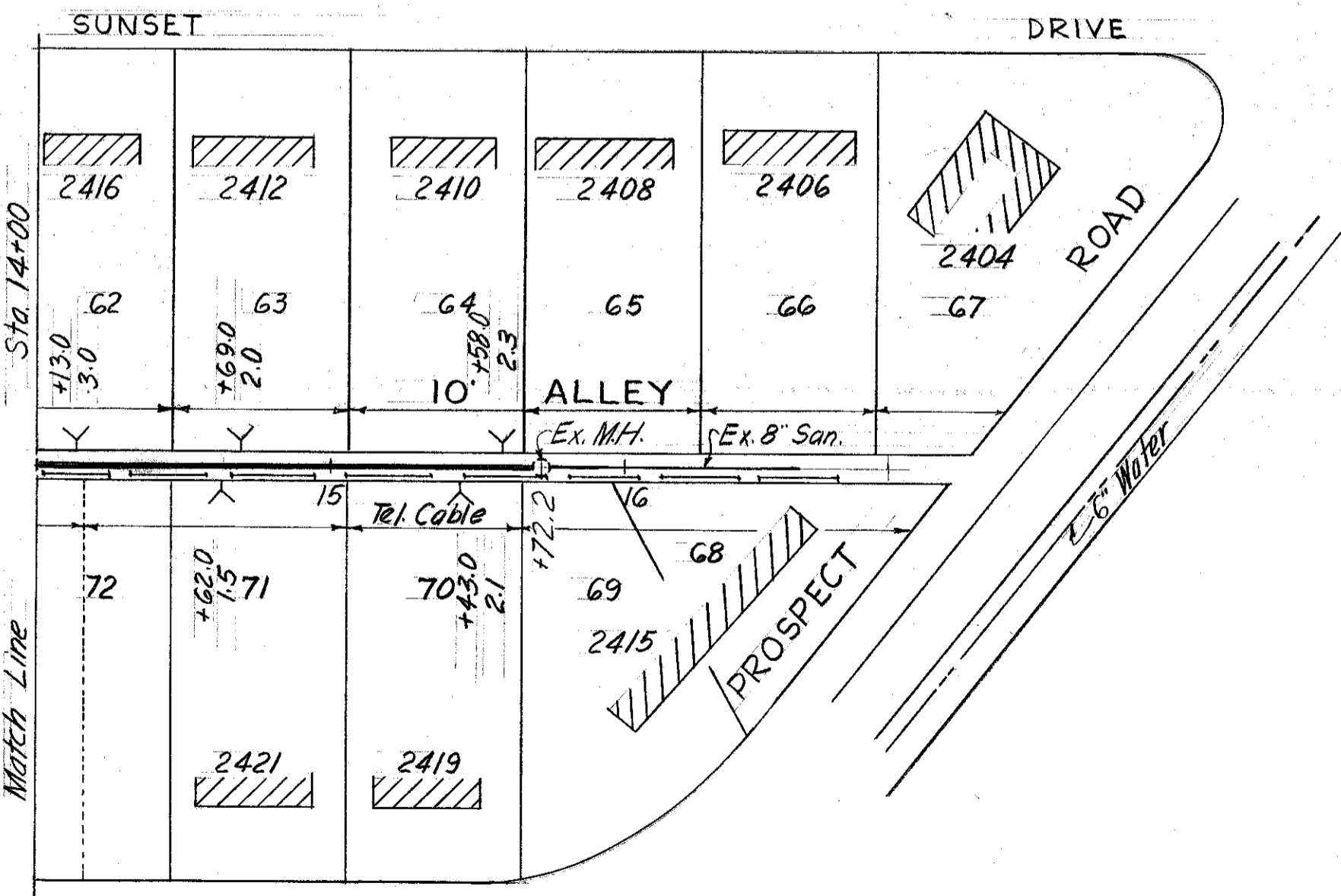


PLAN

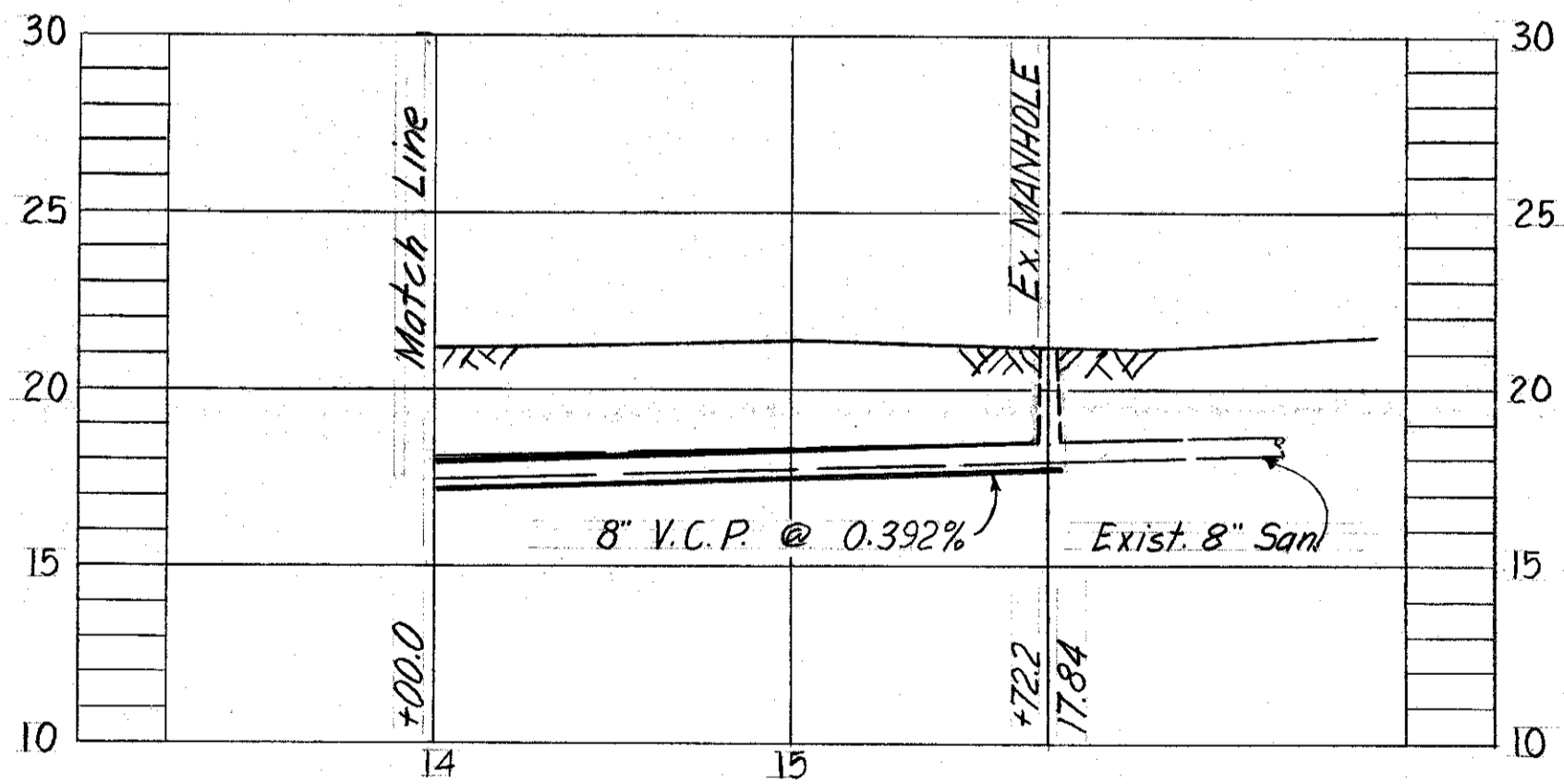


PROFILE

ITEM G-A TABLE 16



PLAN

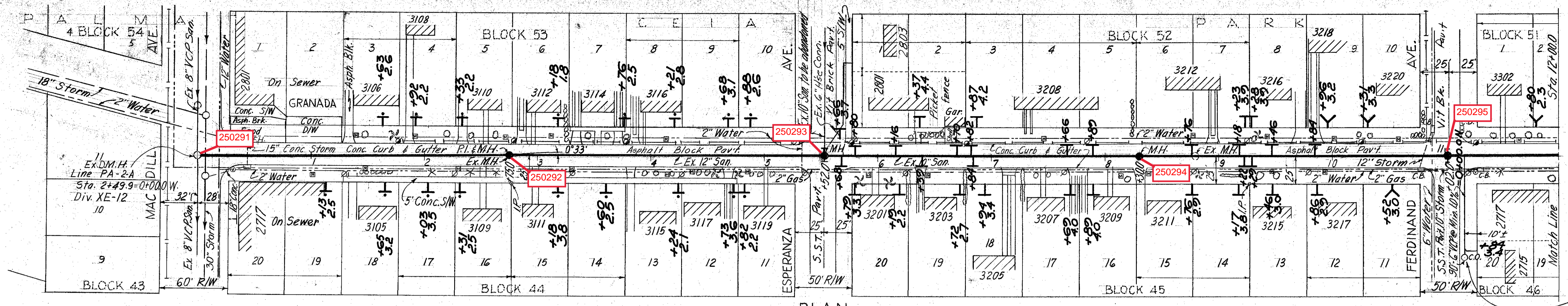


PROFILE

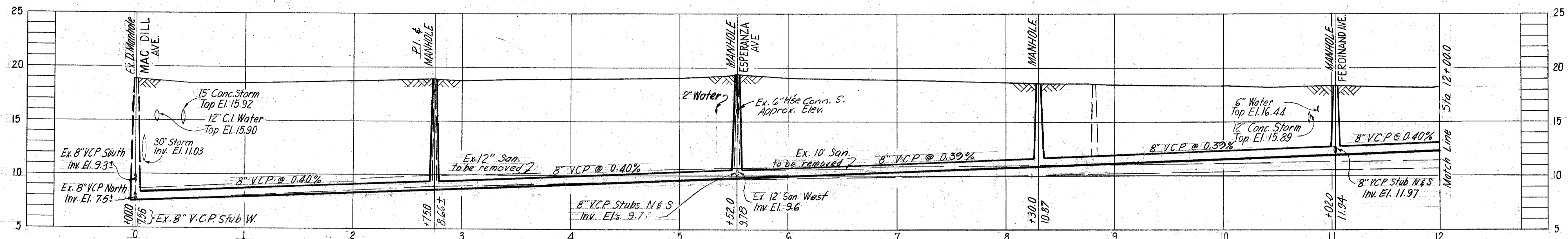
W.O. 1906

- NOTES:
1. TBM; □ cut on NW corner of sidewalk @ N.E. corner of Sunset Dr. & Marti St. Elev. 19.988
  2. This Sewer constructed in Dec. 1962 for an emergency operation; as-built information hereon. Trees, poles and other detail are absent due to immediate requirements for construction drawings.

CITY OF TAMPA, FLORIDA		
THIRD SEWER REVENUE BOND PROGRAM		
SEWER IMPROVEMENTS		
ALLEY S. OF SUNSET DR. - Marti St. to Prospect Rd.		
DES: C M T	RENEWAL & REPLACEMENT PROGRAM	SHEET: 4
DRN: J M R		OF 6
CHK: C M T		PROJECT: 3-5 SUBDISTRICT: A-4
DATE: JAN 63		

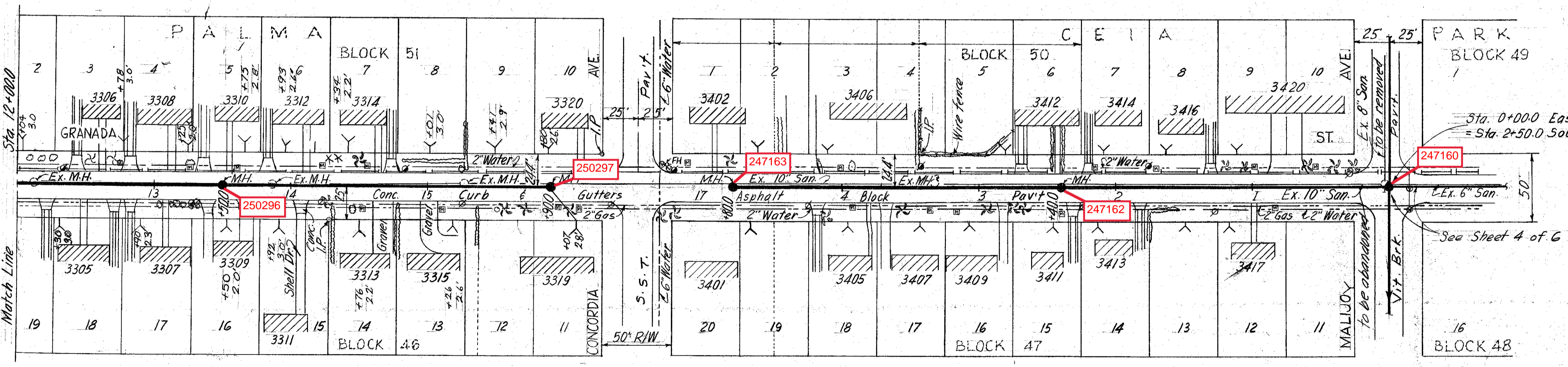


PLAN

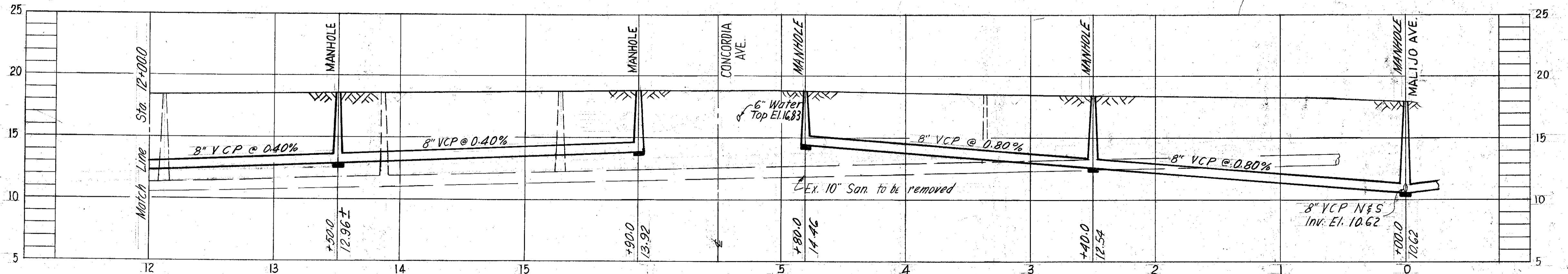


PROFILE  
(ITEM 3-B, TABLE 16)

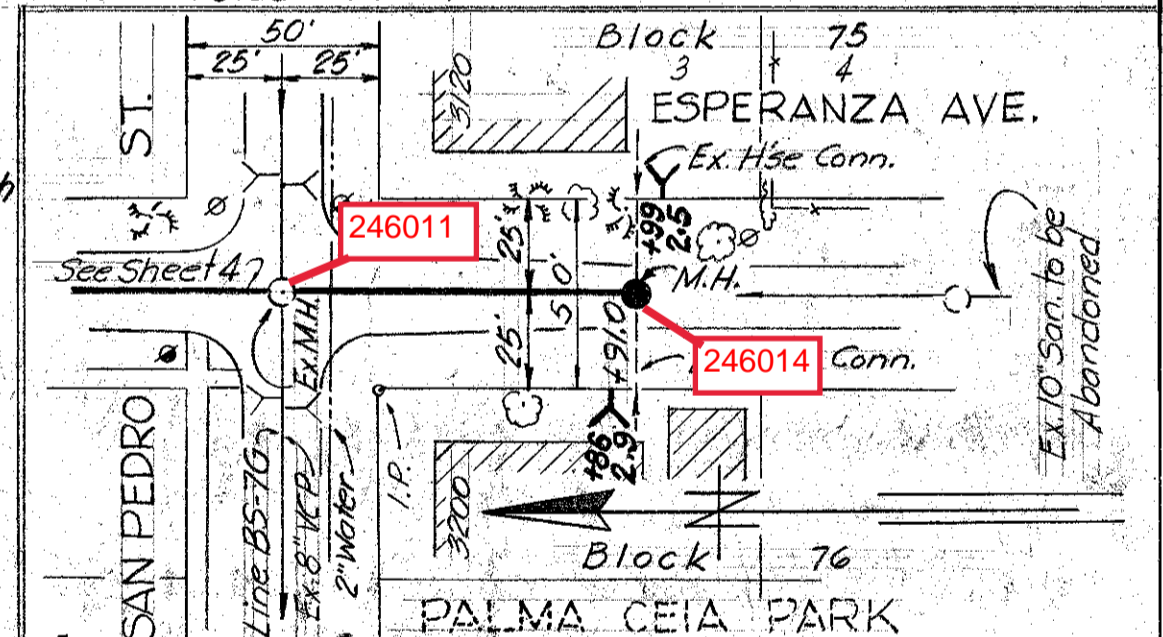
NOTE:  
 1. 12's indicated -----, as recorded in the records of Hillsborough County.  
 2. All private walks & driveways are of concrete unless noted otherwise.  
 3. B.M. used: A-979; Elev. 12.803; 12' cut in conc. floor @ front entrance to "Palma Ceia Hardware" on E. side of MacDill Ave.



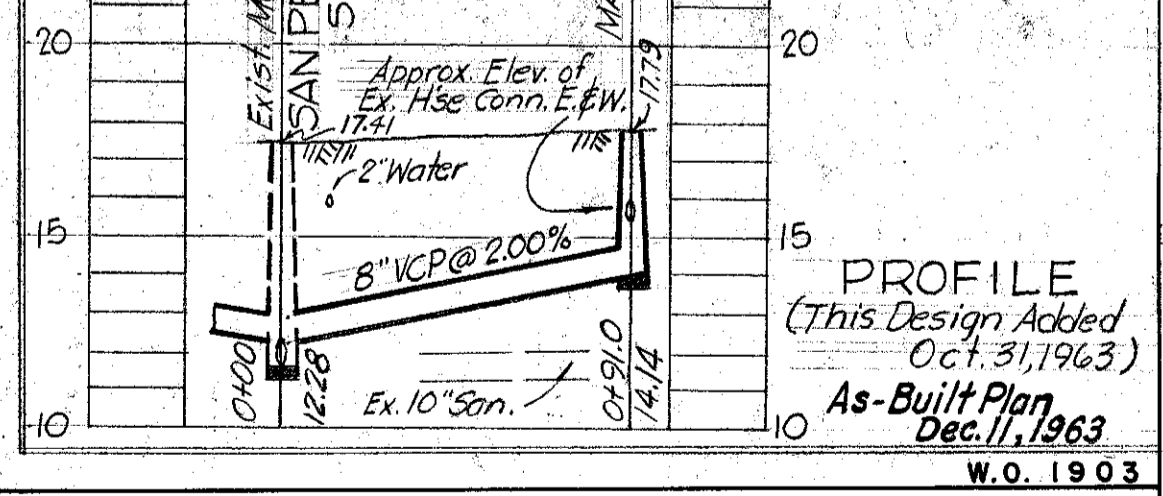
PLAN  
ITEM 3-B, TABLE 16



PROFILE



PLAN  
(Portion of Item 3-B, Table 16)



PROFILE  
(This Design Added Oct. 31, 1963)  
As-Built Plan Dec. 11, 1963  
W.O. 1903

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

GRANADA STREET: Mac Dill Avenue to Malijo Avenue  
 ESPERANZA STREET: San Pedro St. 5. 91'

DES: J M R	RENEWAL & REPLACEMENT PROGRAM	SHEET:
DRN: J M R		2
CKD: C M T		OF 6
SCALE: 1"=50'	PROJECT: 3-6 SUBDISTRICT: A-4	
DATE: AUG 63		

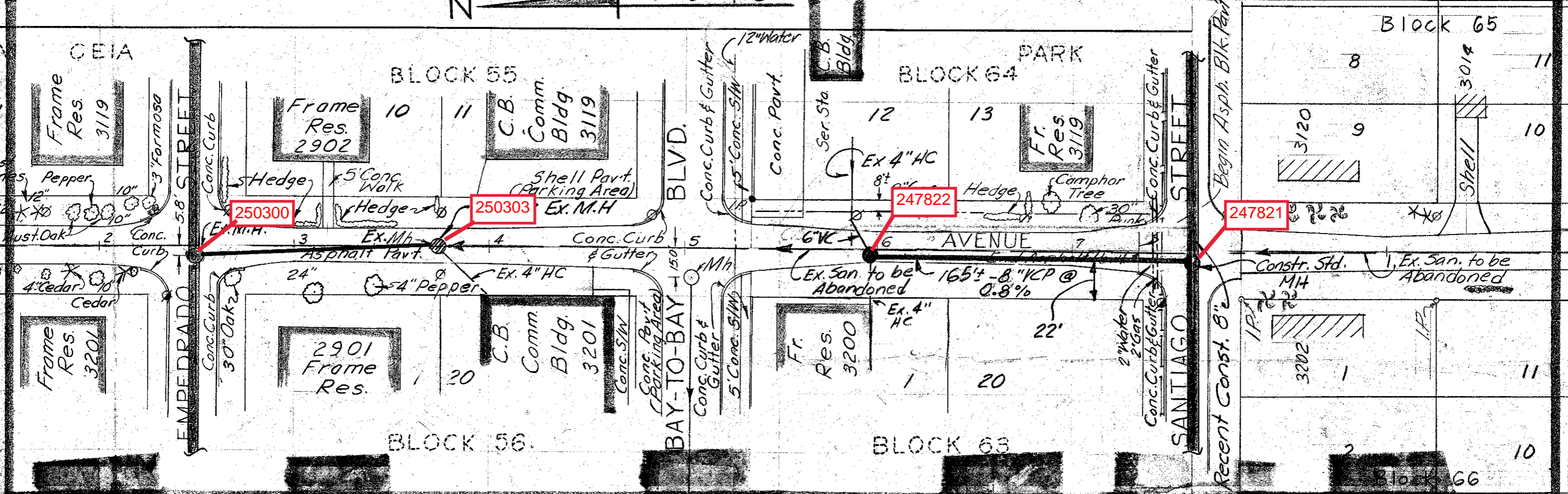
Rev. Oct. 31, 63

7-47

24495

N 1" = 50' & 5"

P A L M A



250300

250303

247822

247821

Modify Ex. M.H. as required to channel new flow from 5.

124' - 8" VCP @ 1.6%

8" VCP E. & W. Inv. El. 12.5

EMPEDRADO 24495 - Ex. M.H. 8" VCP South Inv. 13.10

Const. 57" M.H. 5474 ± Ex. 4" HC - Inv. 15.9 8" Inv. El. 13.09

1" BAY to BAY E. M.H. Inv. 14.53

Const. 57" M.H. Ex. 4" HC - Inv. 14.6 ± 8" VCP from South - Inv. 13.62

SANTIAGO 8" VCP North - Inv. 12.3 12.24 8" VCP Inv. (See sheet 3 of Force Acc't. 3.6)

Ex. HC West Inv. 14.6 ±

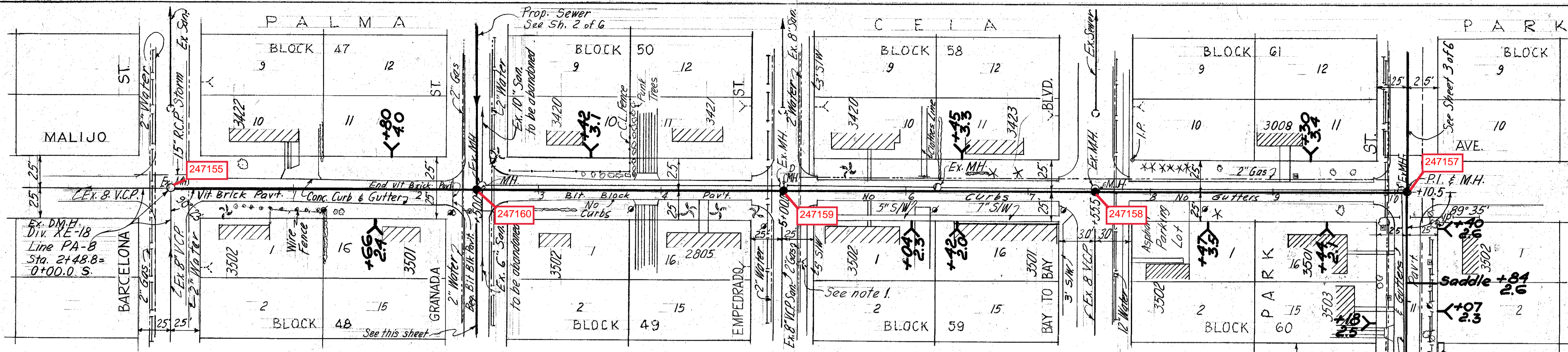
165' - 8" VCP @ 0.8%

Const. 100' Std. 4' dia. M.H.

Constr. Dring PROJ. 3-6 House Connection Detail: Bay to Bay & Esperanza Inter

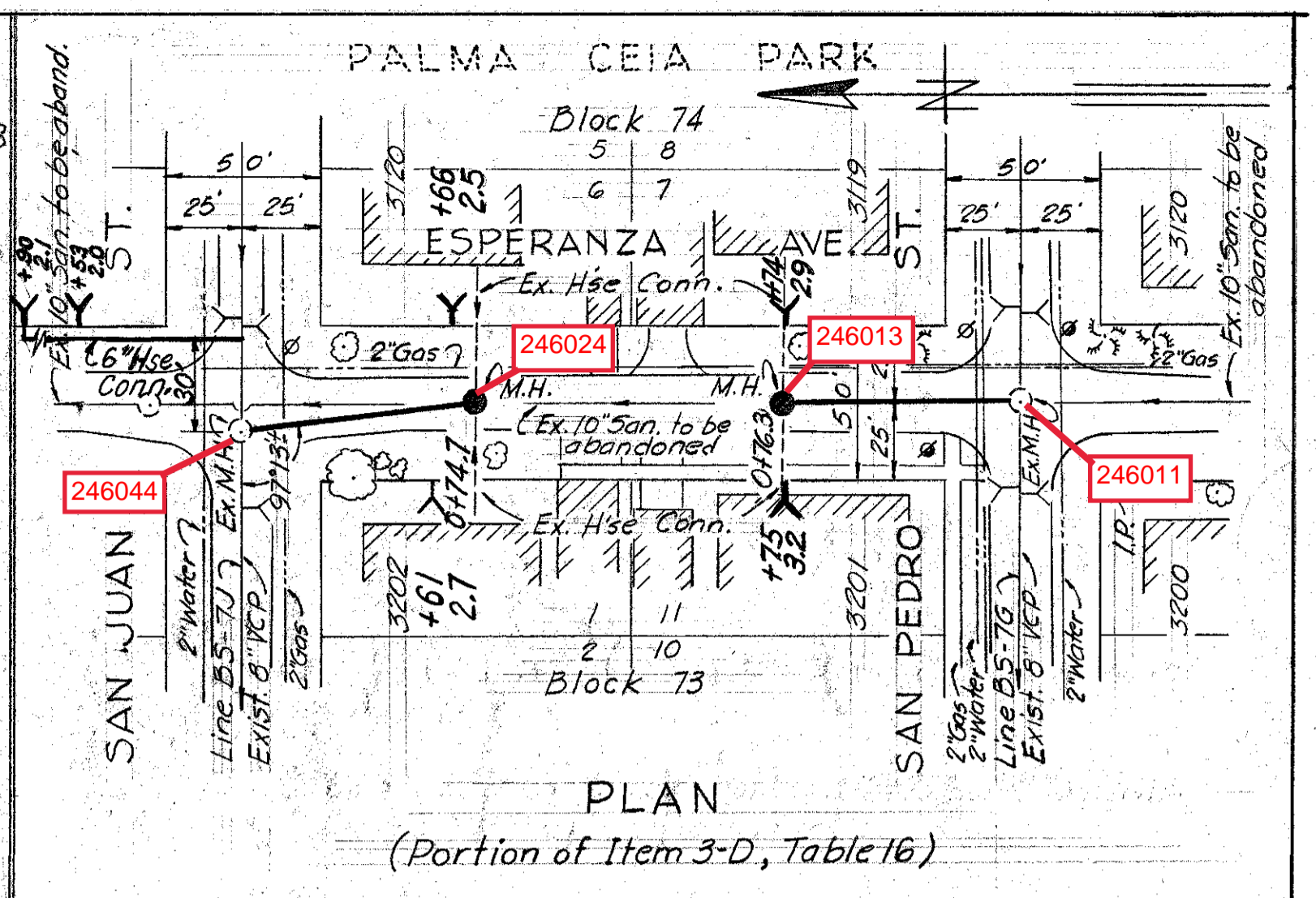
6-3-64 CMT Rev. 8-26-64 CMT

7-47A

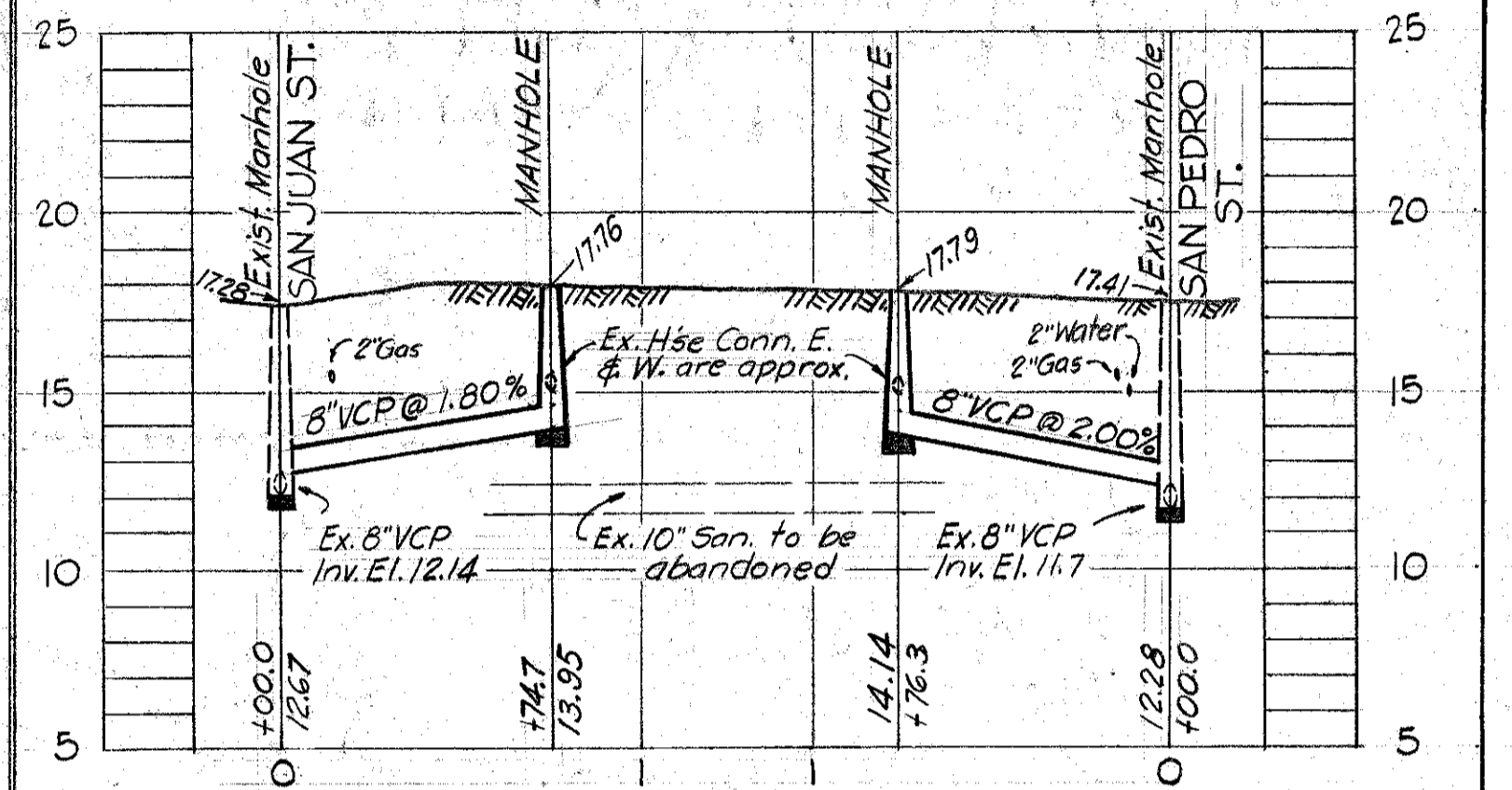


PLAN  
(Items 3-A and 3-C, Table 16)

- NOTES:
1. Exist. House Connection (3502) plugged @ curb line; extend to R.
  2. All House Connections West of Sta. 12+75 shall be conc. encased from main sewer to R. (Santiago St.)
  3. T.B.M. used: 4" cut in rim of san. manhole @ Malijo Ave. & Barcelona St; Elev. 17.424
  4. All walks & driveways (Malijo & Santiago) are conc. unless noted otherwise.

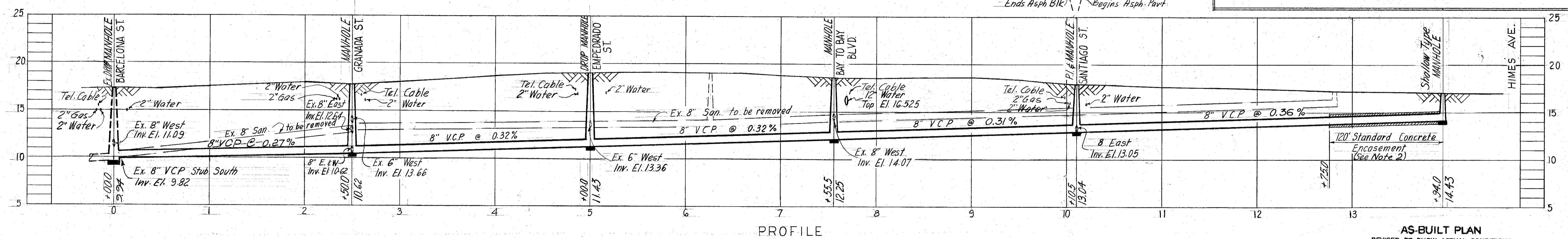


PLAN  
(Portion of Item 3-D, Table 16)



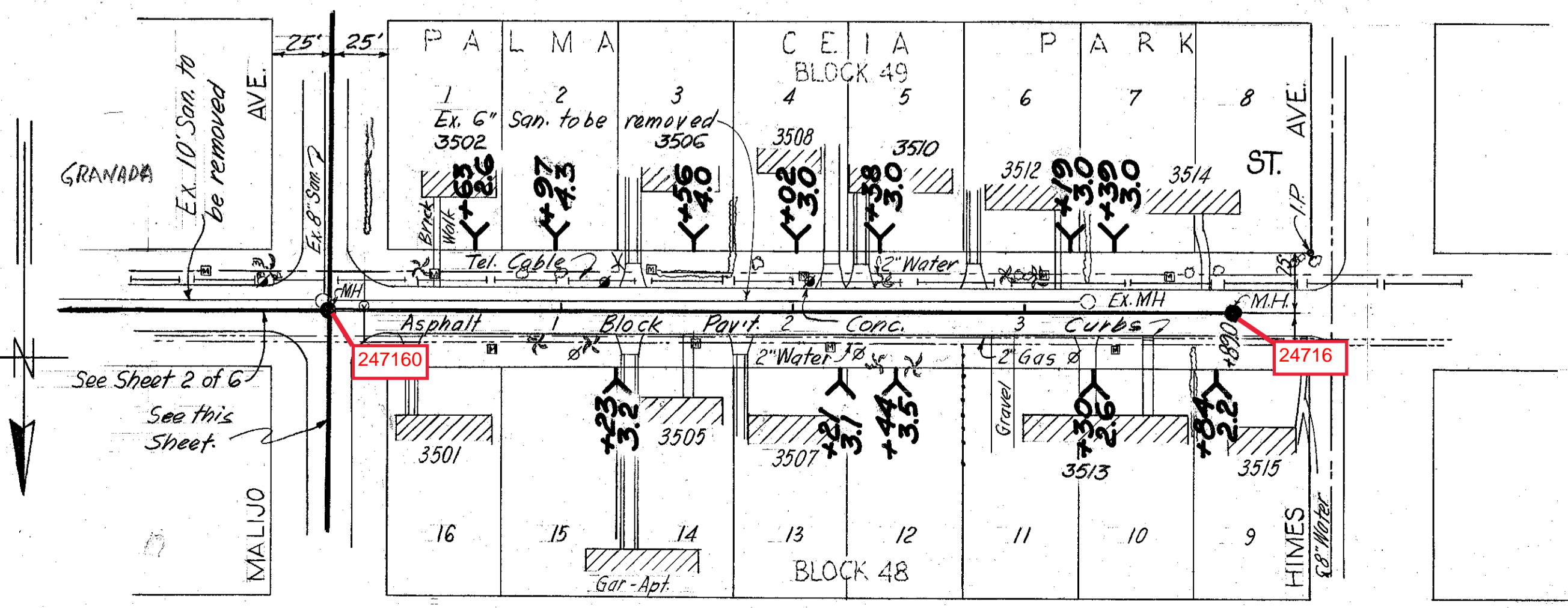
PROFILE  
(This Design Added Oct. 31, 1963)

AS-BUILT PLAN  
REVISED TO SHOW ACTUAL CONDITIONS  
ACCORDING TO CONSTRUCTION RECORDS  
AS OF 11-15-63 PER

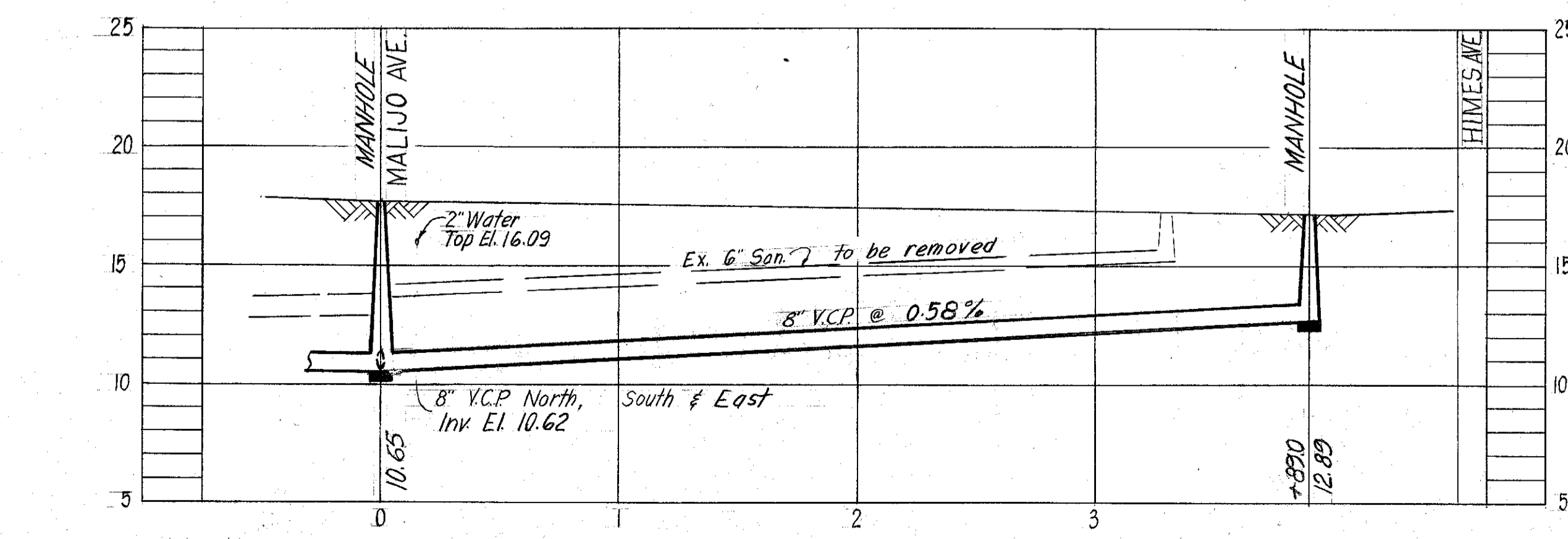


PROFILE

AS-BUILT PLAN  
REVISED TO SHOW ACTUAL CONDITIONS  
ACCORDING TO CONSTRUCTION RECORDS  
AS OF 4-28-64 PER HK



PLAN (Item 3-B, Table 16)



PROFILE

AS-BUILT PLAN  
REVISED TO SHOW ACTUAL CONDITIONS  
ACCORDING TO CONSTRUCTION RECORDS  
AS OF 01-29-64 PER HK

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

MALIJO AVENUE - SANTIAGO STREET:  
Barcelona Street to Himes Avenue

GRANADA STREET: Malijo Avenue to Himes Avenue

ESPERANZA AVENUE: San Juan St. to San Pedro St.

DES: H K  
DWN: J M R  
CHK: C M T  
SCALE: 1" = 50'  
AUG. 1963

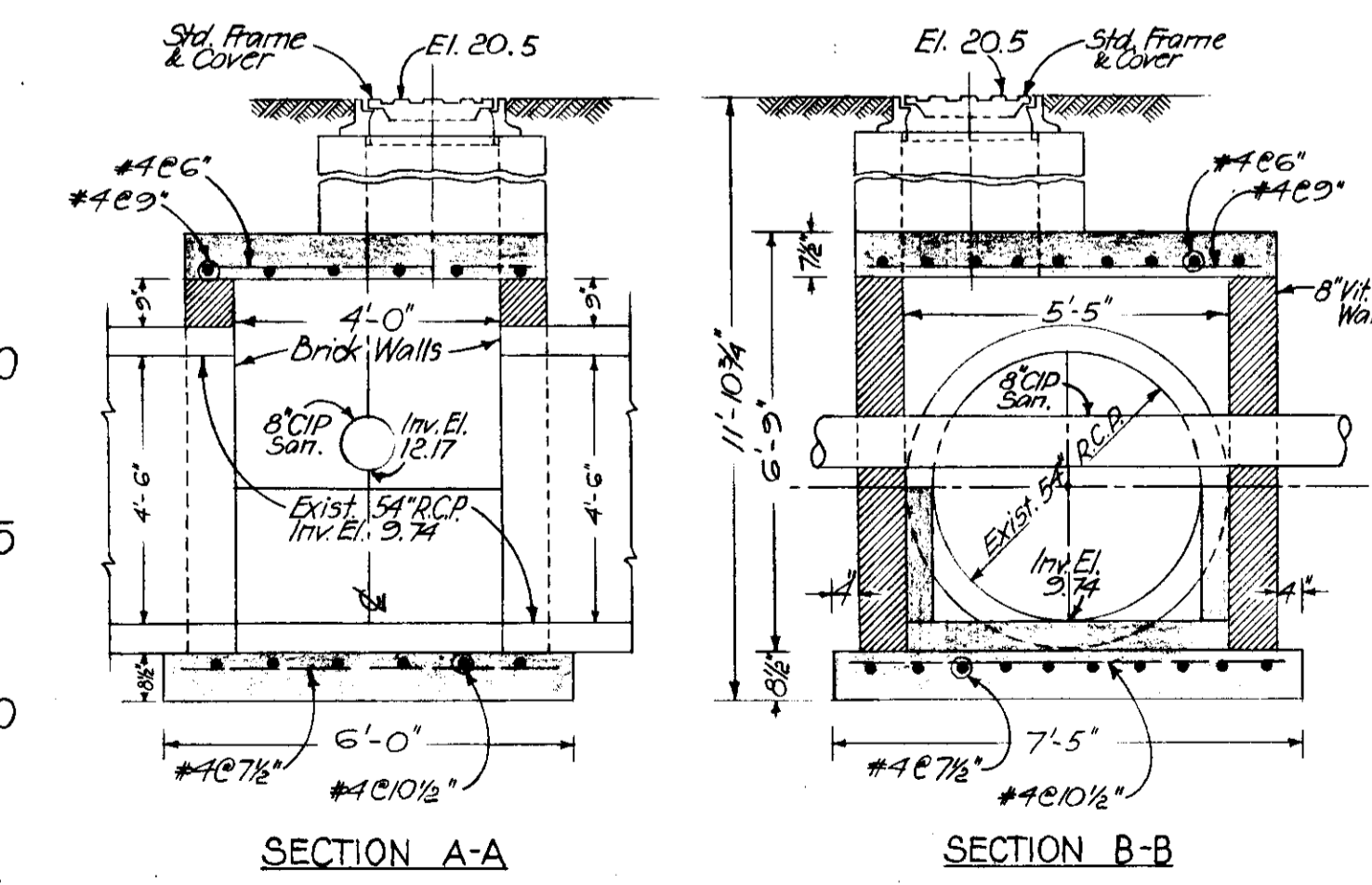
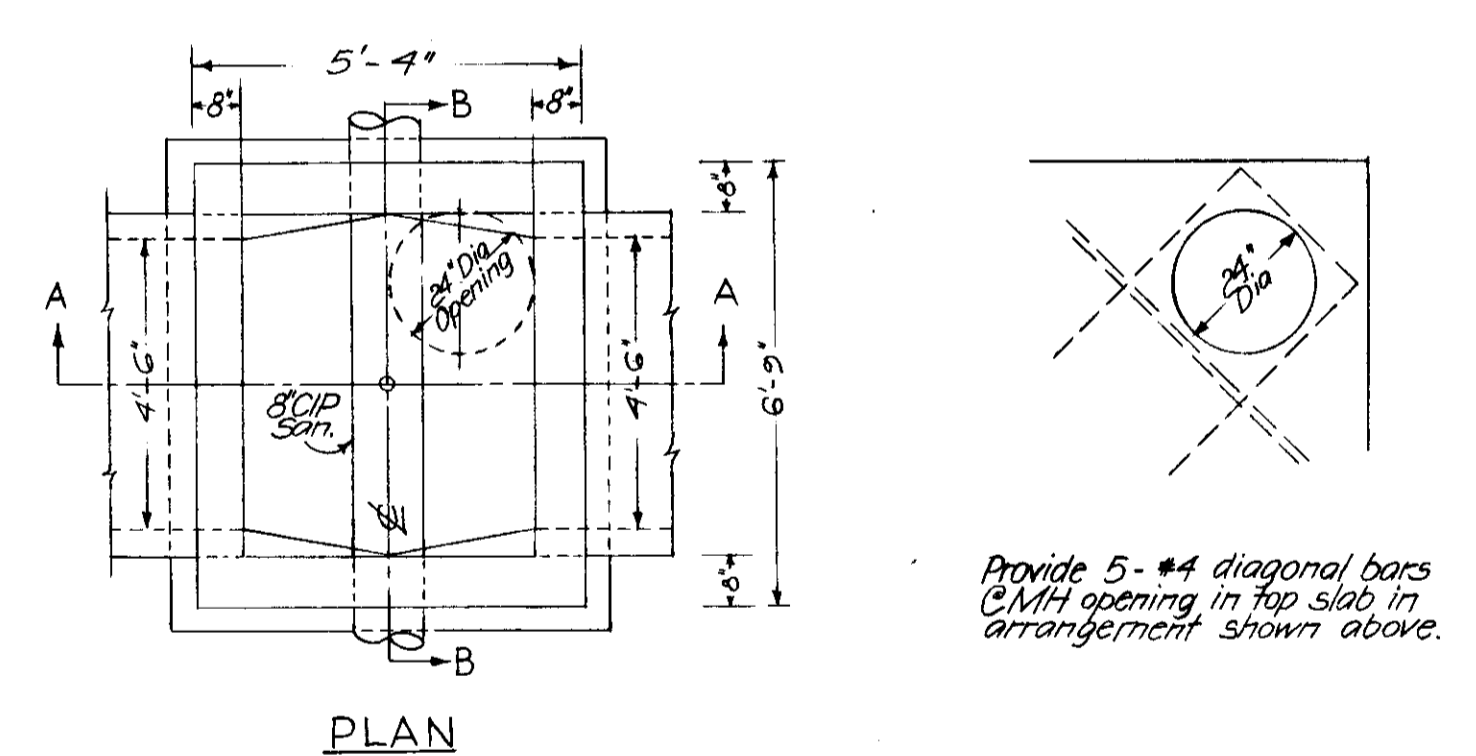
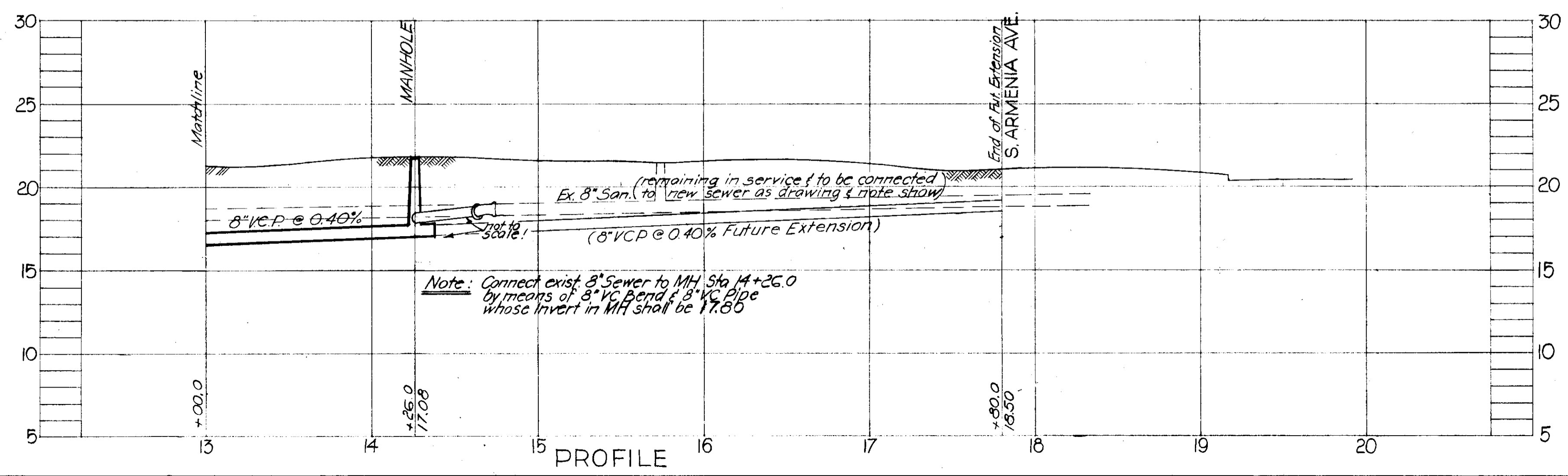
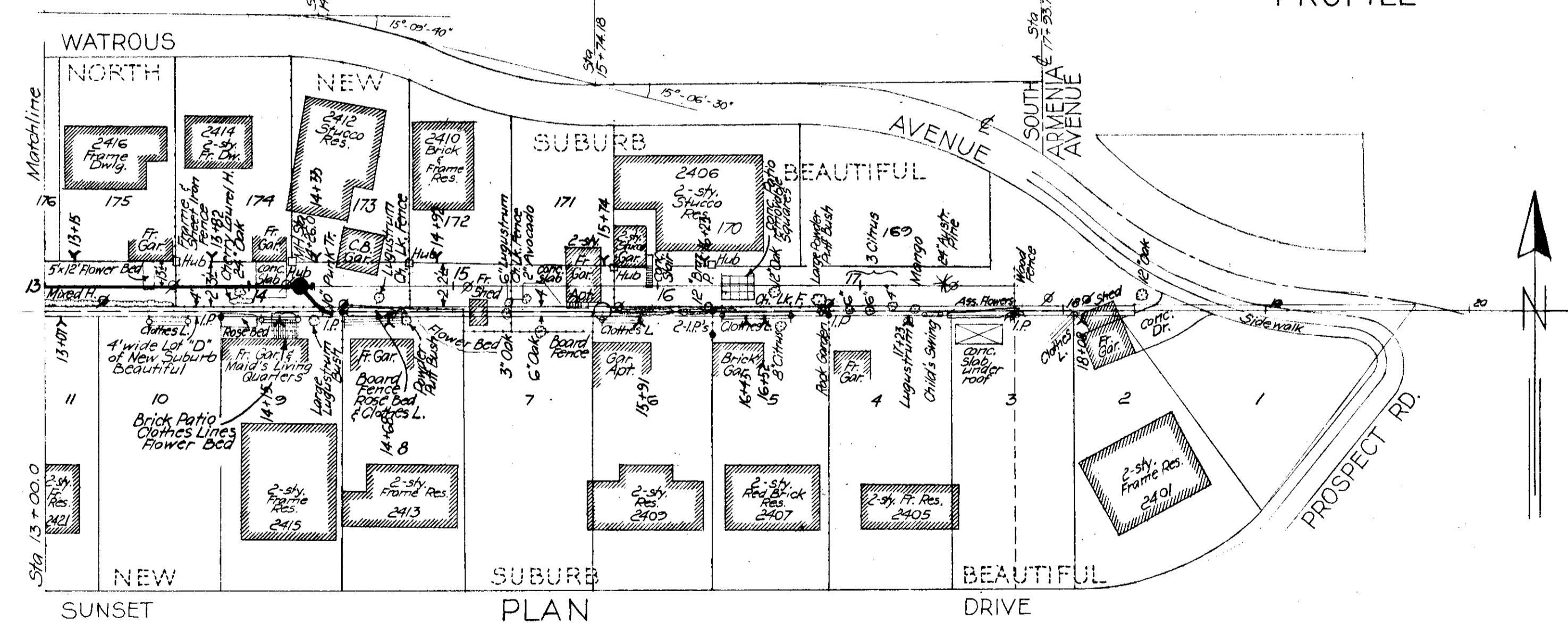
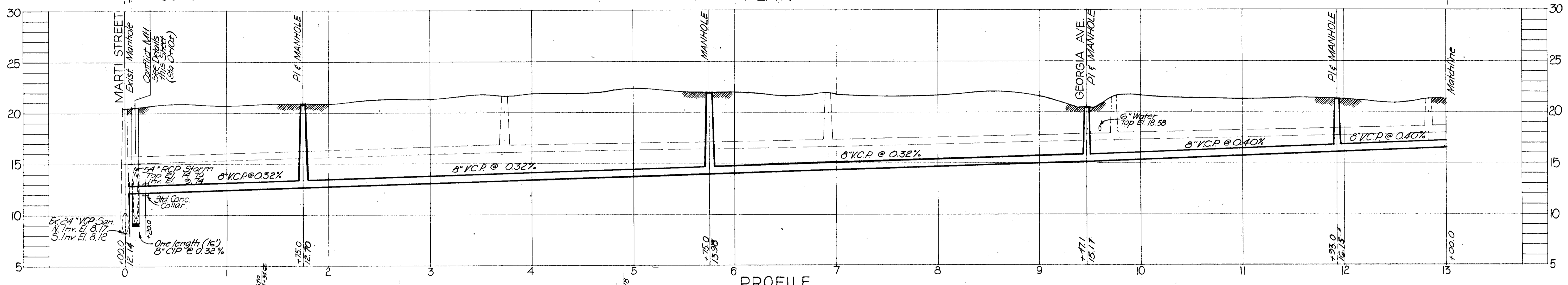
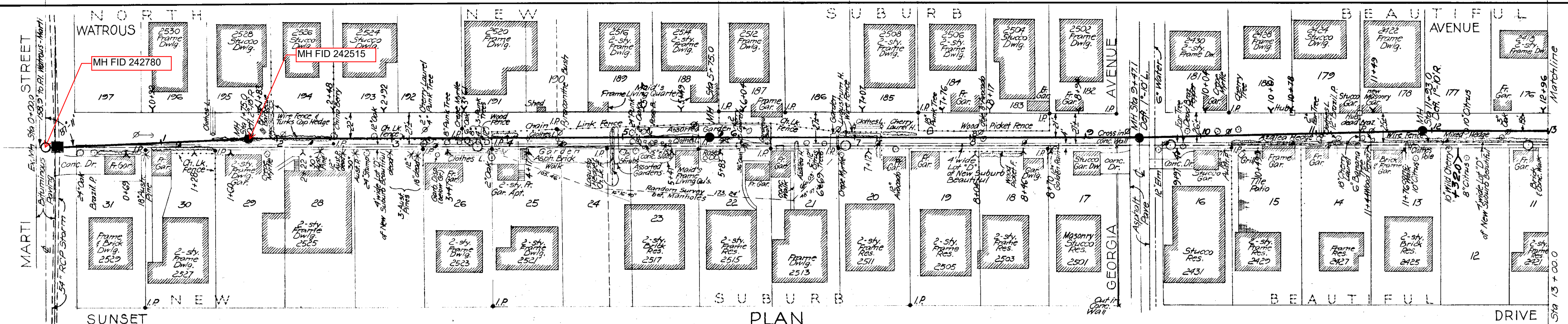
RENEWAL & REPLACEMENT PROGRAM

PROJECT: 3-6 SUBDISTRICT: A-4

SHEET 4 OF 6

Rev. Oct. 31, 63





CONFLICT MANHOLE:  
MARTI & ALLEY N.  
OF SUNSET DR.  
N.T.S.

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
J - 10	11

W.O. 1916  
CITY OF TAMPA, FLORIDA  
THIRD SEWER REVENUE BOND PROGRAM  
SEWER IMPROVEMENTS

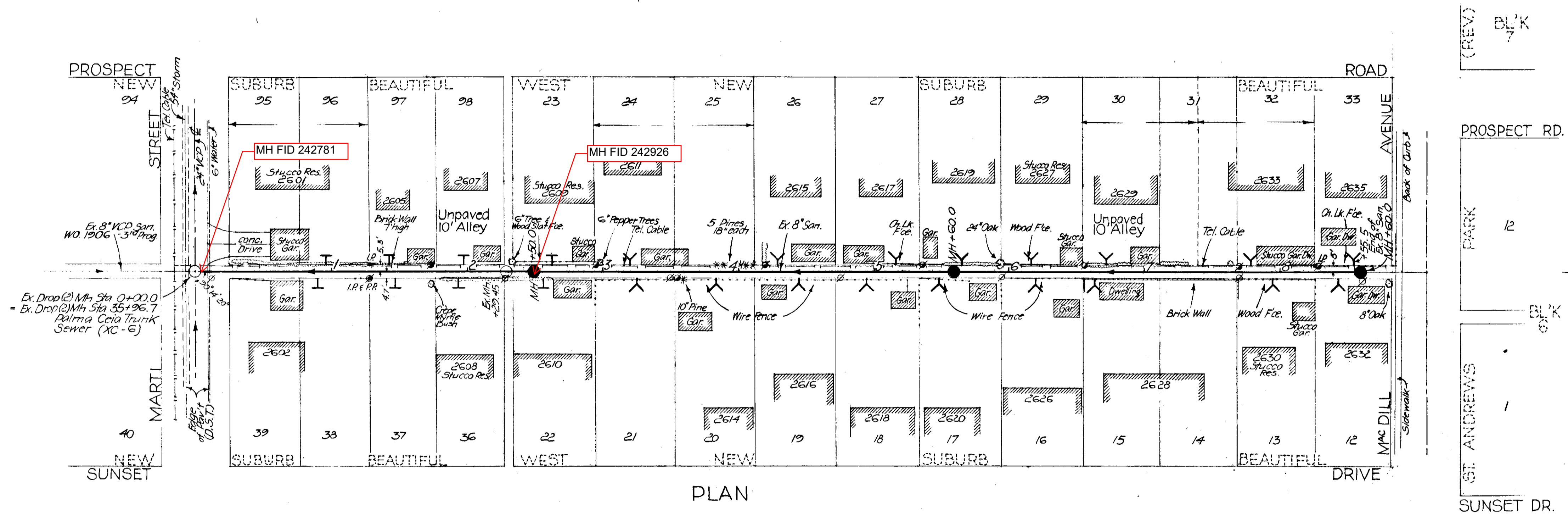
ALLEY N. OF SUNSET DR.: Marti St. to the E. 1426'

DES: H. K.  
DRN: H. K.  
CKD: C. M. J.  
SCALE: 1"=30'  
DATE: MAR 65

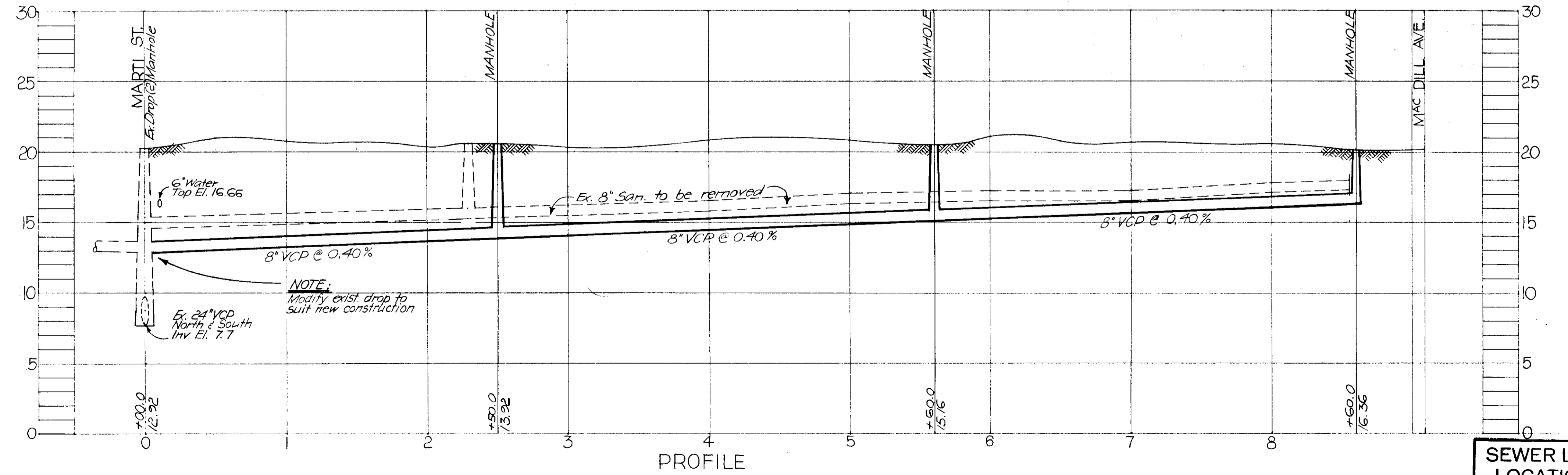
RENEWAL & REPLACEMENT PROGRAM  
PROJECT: 3-7 SUBDISTRICT: A-4

SHEET: 2 OF 8

22-43



PLAN



PROFILE

- NOTES:**
- 1) These lines indicate information from Hillsborough County Tax Assessor
  - 2) Buildings shown in this Plan are frame unless otherwise indicated.
  - 3) Benchmark: T.P.#2 of Sunset Drive Profile - Cut on NW Cor. of Sidewalk & NE Cor. of Sunset Dr. & Marti St. Elev. 19.988
  - 4) Location of House Connections shown hereon is representative only; existing connections to be located during construction and replaced.

W.O. 1920

CITY OF TAMPA, FLORIDA	
THIRD SEWER REVENUE BOND PROGRAM	
SEWER IMPROVEMENTS	
ALLEY N. of PROSPECT RD.: Marti St to Mac Dill Ave.	

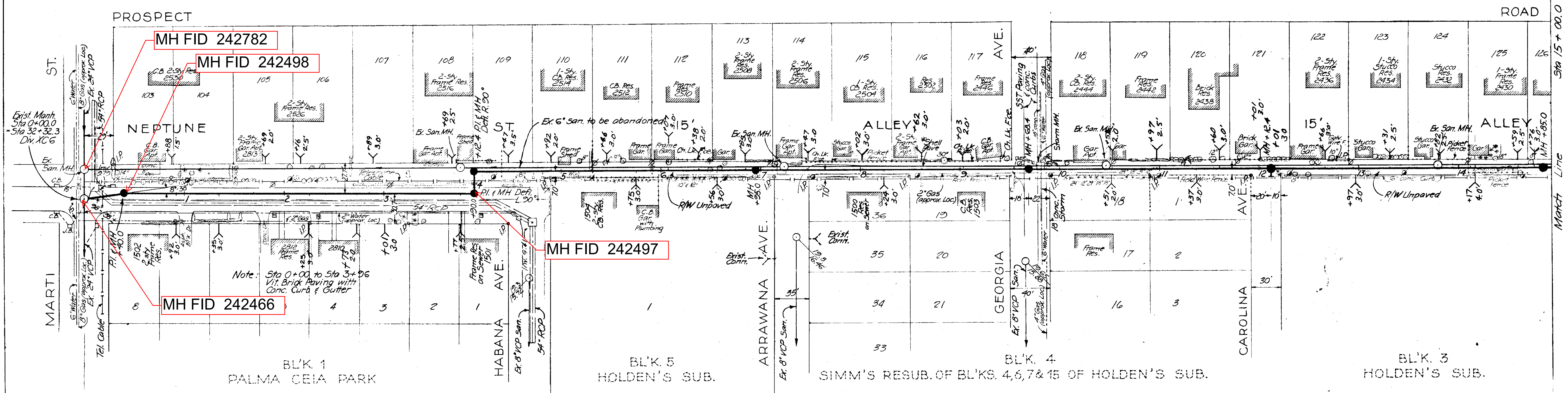
<b>SEWER LINE LOCATION</b>		DES: H. K. DRN: H. K. CKD: C.M.T. SCALE: 1" = 80' DATE: MAY. 66	RENEWAL & REPLACEMENT PROGRAM	PROJECT: 3-7 SUBDISTRICT: A-4	SHEET: <b>6</b> OF 8
SEC. MAP No.	LINE No.				
J - 10	13				

22-47

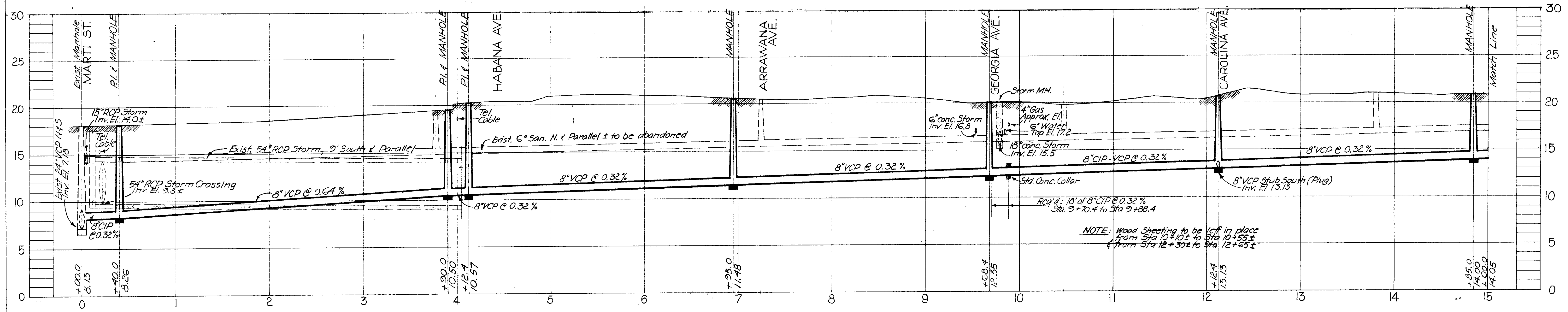
NEW

SUBURB

BEAUTIFUL



PLAN



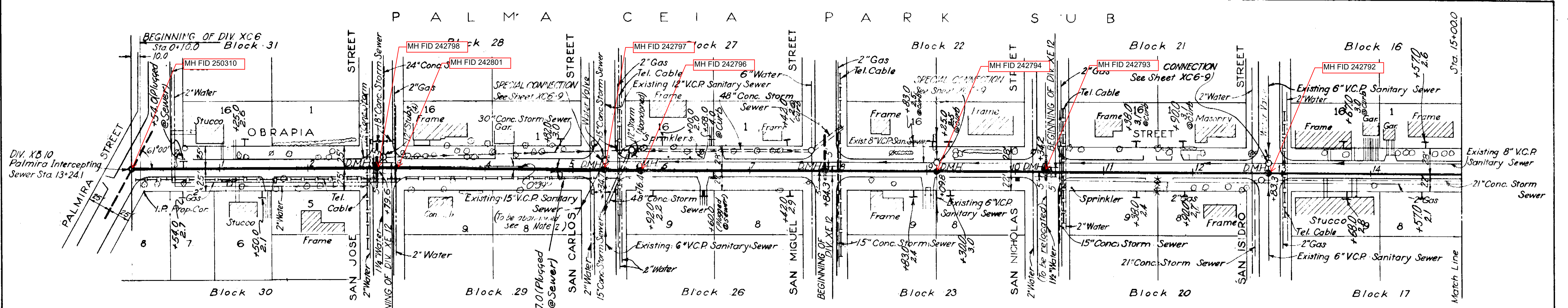
PROFILE

- NOTES:**
- 1) BM used: TBM Elev. 12.988 established by Dept. of Sanitary Sewers. Cut on NW corner of sidewalk @ NE corner of intersection Marti St. and Sunset Dr.
  - 2) All house connections shown hereon in Plan are representative only. Locate and connect any existing connection from main sewer to property line at time of construction.

R & R Force Account # 3-8 W.O. # 1921  
**CITY OF TAMPA, FLORIDA**  
**THIRD SEWER REVENUE BOND PROGRAM**  
**SEWER IMPROVEMENTS**

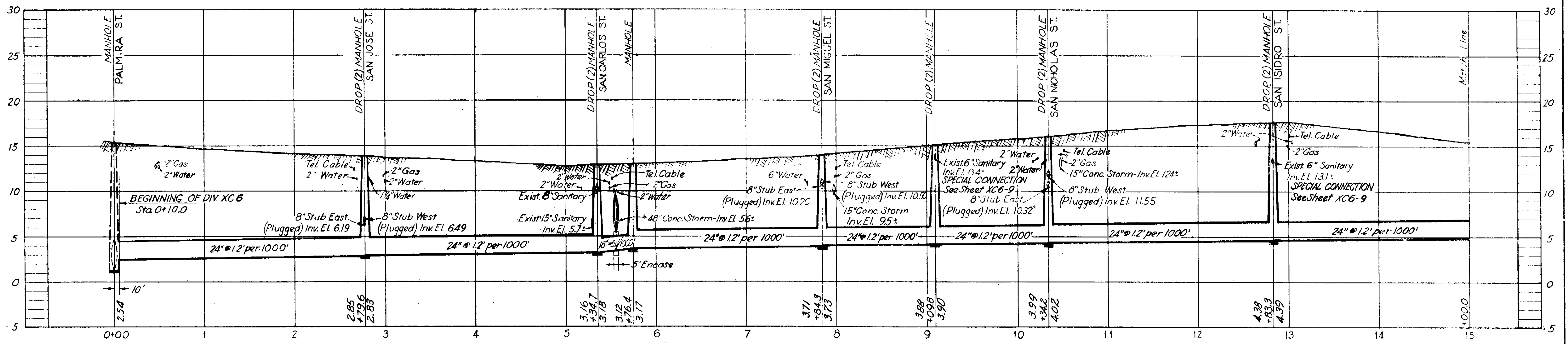
**NEPTUNE ST.:** Marti St. to Habana Ave.  
**15' ALLEY:** Habana Ave. to Sta 15 + 00.0

SEWER LINE LOCATION		DES. CMT	SHEET
SEC. MAP No.	LINE No.		
J - 10	20	RENEWAL & REPLACEMENT PROGRAM	2
		PROJECT 3-8 SUBDISTRICT A-4	OF 5



PLAN

- NOTES:
1. Brick Pavement with Concrete Curbs & Gutters from Sta 0+00 to Sta 15+00
  2. Sewerage flow in Existing 15" Sanitary Sewer crossing Proposed Sewer at San Carlos St. is to be handled temporarily by the Contractor in a method approved by the Engineer.



PROFILE

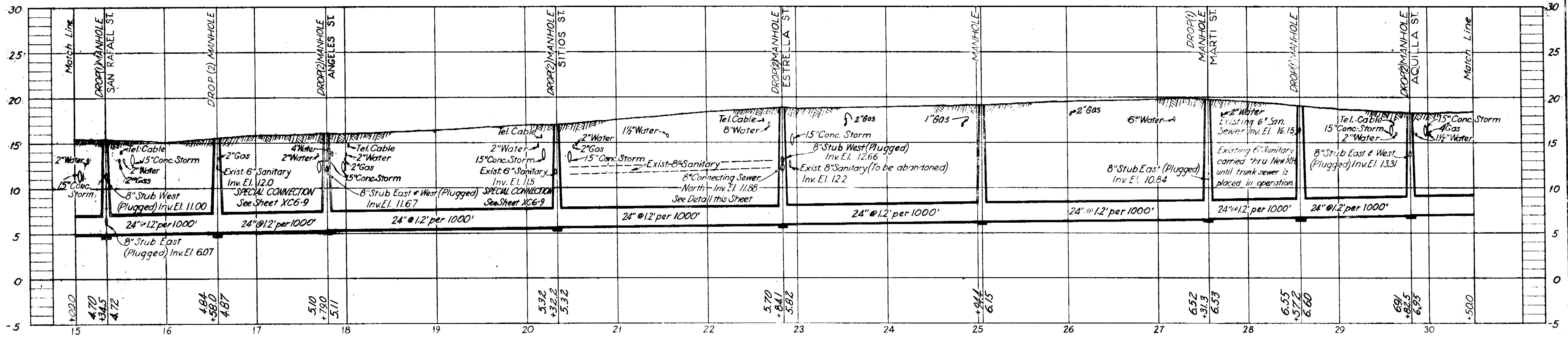
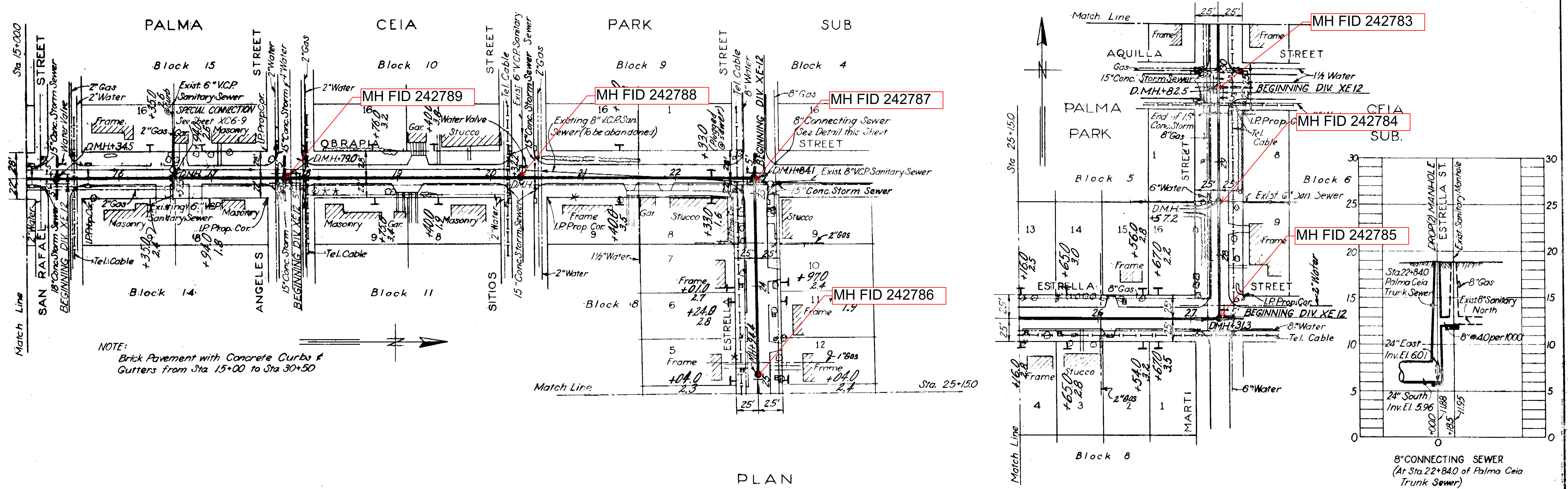
SEWER LINE LOCATION  
 J-10-25

CITY OF TAMPA, FLORIDA SEWAGE DISPOSAL SYSTEM DIVISION XC6	
PALMA CEIA TRUNK SEWER STA. 0+10 TO STA. 15+00	
DES. C.M.T. C.W.P. D.R. L.J.C. CKD. R.E.F. DATE: JULY 1954	SCALE 0 50 100 1"=50'
SHEET XC6-3 OF 11	

AS-BUILT PLAN

Revised to show actual conditions according to construction record as of G.M.D. (6-5-56)

GREELEY AND HANSEN  
 ENGINEERS  
 CHICAGO, ILL.



PROFILE

SEWER LINE LOCATION  
 J-10-26

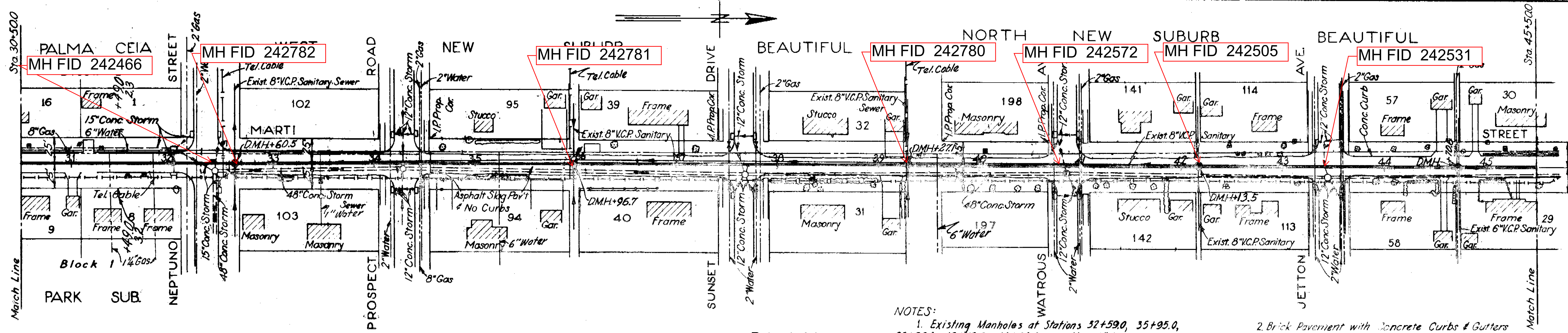
**AS-BUILT PLAN**

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

CITY OF TAMPA, FLORIDA		
SEWAGE DISPOSAL SYSTEM		
DIVISION XC6		
PALMA CEIA TRUNK SEWER		
STA 15+00 TO STA 30+50		
DES. C.M.T. & W.C. DR. L.J.C. CKD. R.E.F. DATE: JULY 1954	SCALE 1" = 50'	SHEET XC6-4 OF 11

GREELEY AND HANSEN  
 ENGINEERS  
 CHICAGO, ILL.

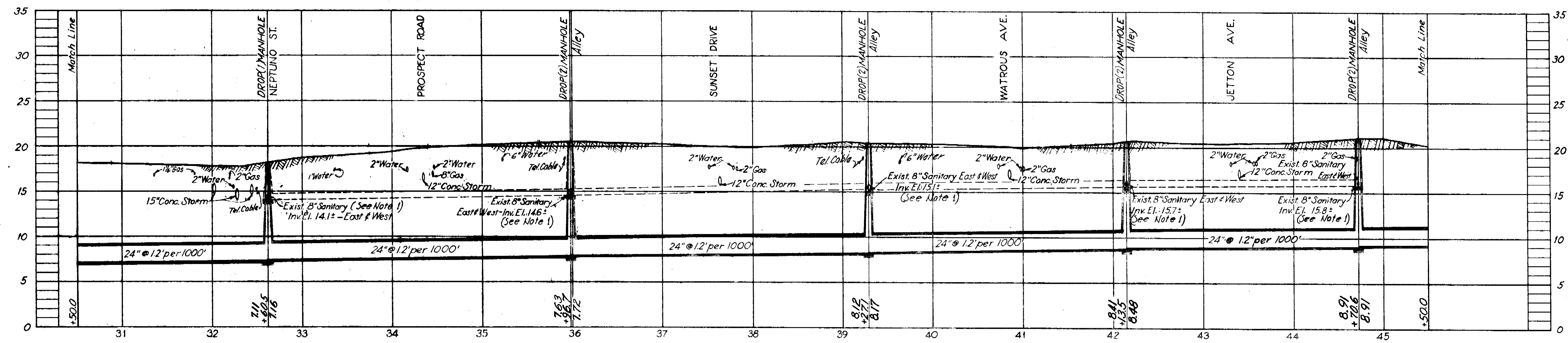
54-34



PLAN

NOTES:  
 1. Existing Manholes at Stations 32+59.0, 35+95.0, 39+26.0, 42+12.0, 44+69.0 and the 8" sewer connecting them to be removed. Sewage from existing sanitary sewers to be diverted to storm sewer until new line is put into operation.  
 2. West at Station 32+60.5 will continue to flow West. Do not plug. New Manhole will serve as end Manhole for this line.

2. Brick Pavement with Concrete Curbs & Gutters from Station 30+50 to Station 32+60.  
 Asphalt Black Pavement and No Curbs or Gutters from Station 32+60 to Station 34+55.  
 Double Surface Treated Pavement and No Curbs or Gutters from Station 34+55 to Station 45+50.



PROFILE

SEWER LINE LOCATION  
 J-10-27

CITY OF TAMPA, FLORIDA  
 SEWAGE DISPOSAL SYSTEM  
 DIVISION XC6

PALMA CEIA TRUNK SEWER  
 STA. 30+50 TO STA. 45+50

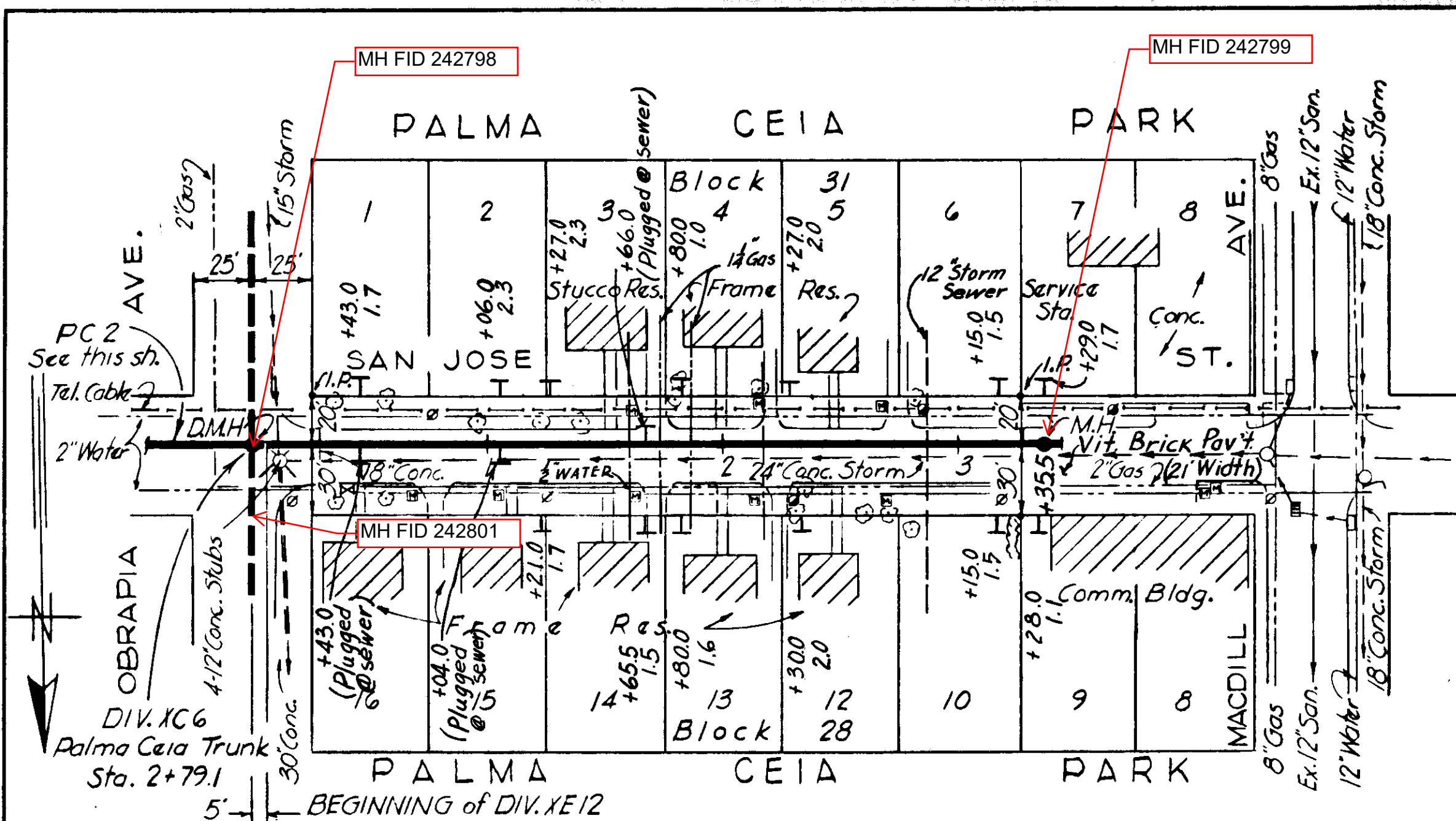
AS-BUILT PLAN

Revised to show actual conditions according to construction record as of G.M.D. (5-6-56)

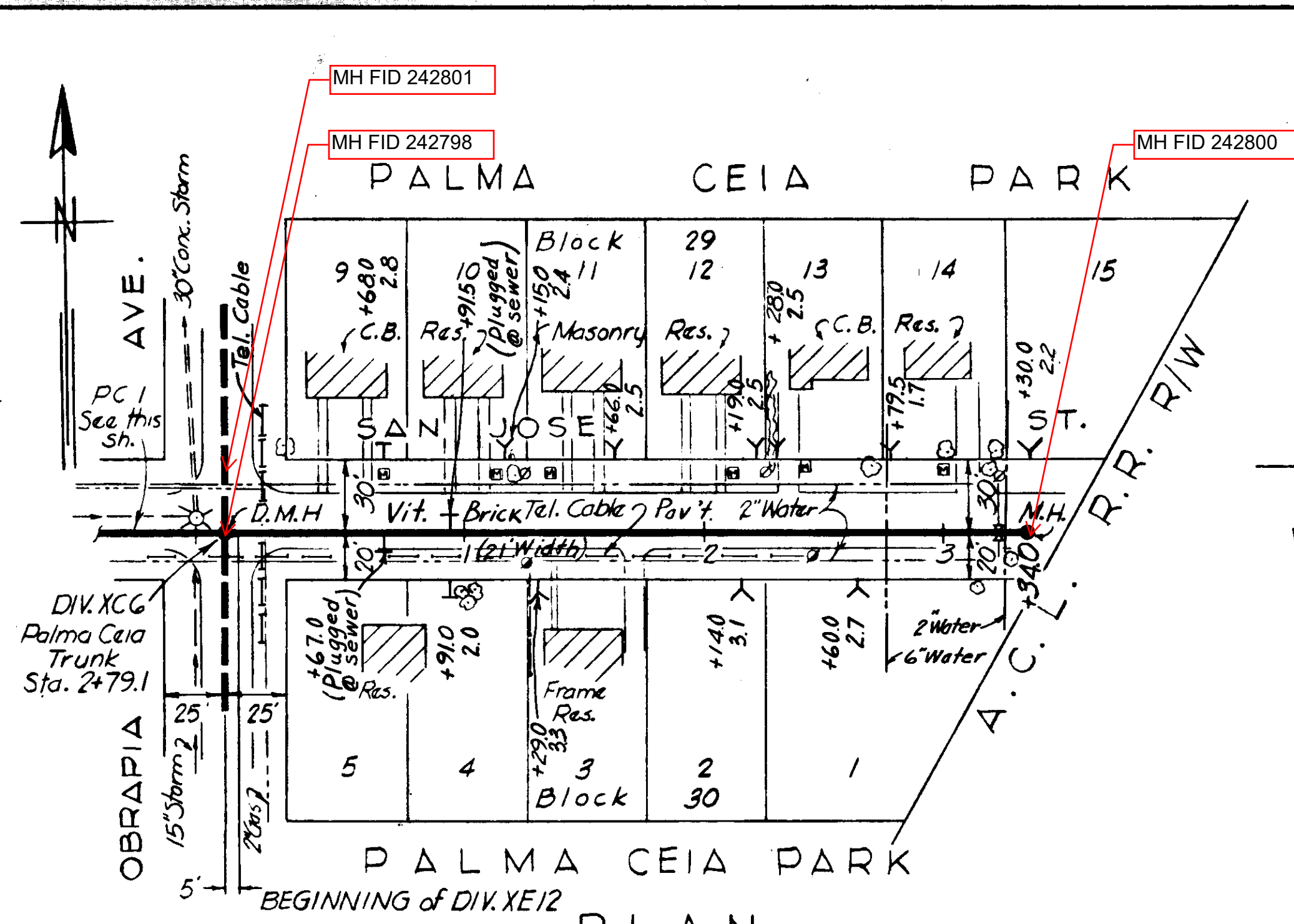
DES. C.M.T. & W.C. DR. L.J.C. CKD. R.E.F. DATE: JULY 1954	SCALE 50 0 50 100 1" = 50'	SHEET XC6-5 OF 11
--	----------------------------------	-------------------------

GREELEY AND HANSEN  
 ENGINEERS  
 CHICAGO, ILL.

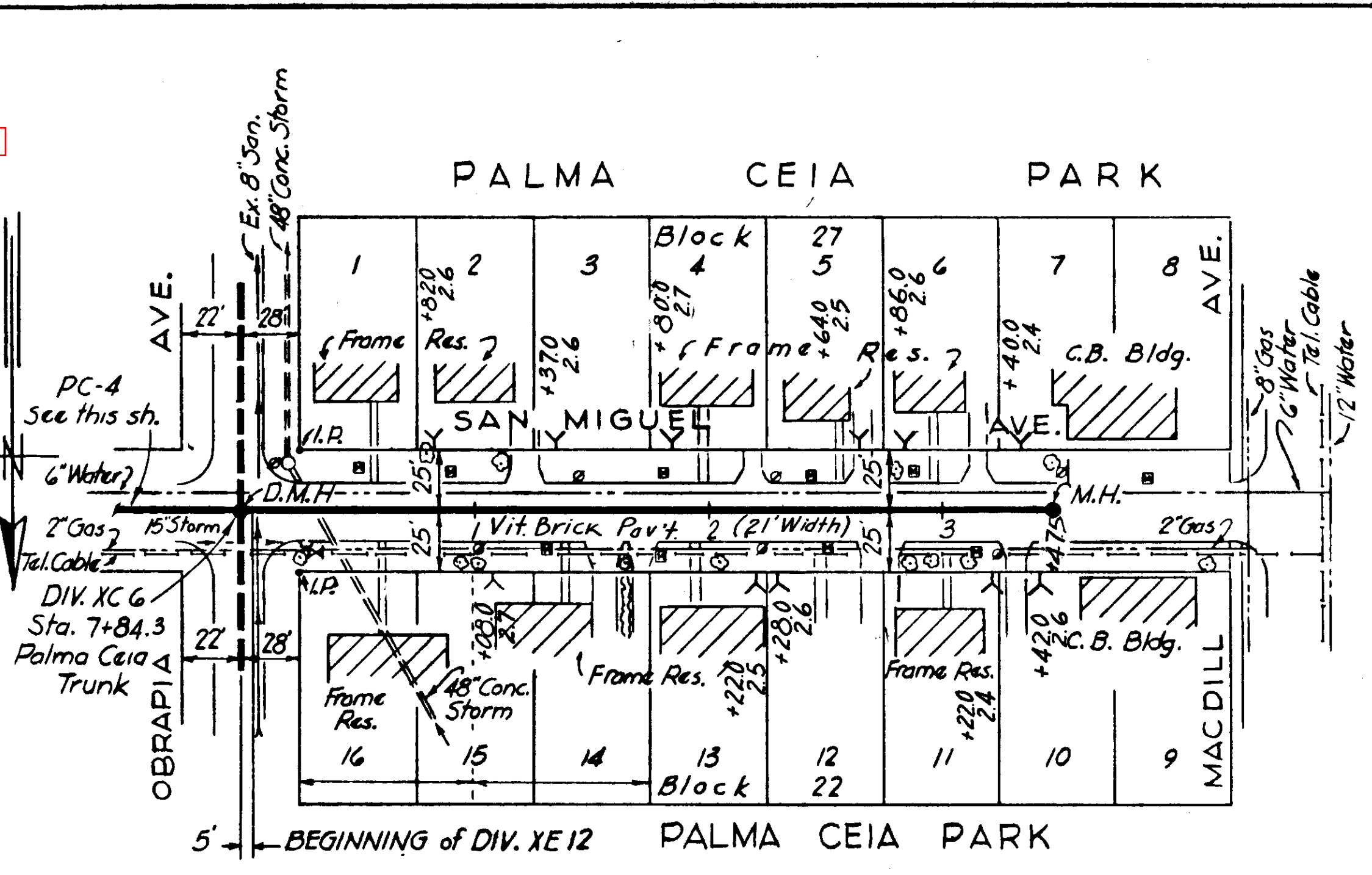
54-5



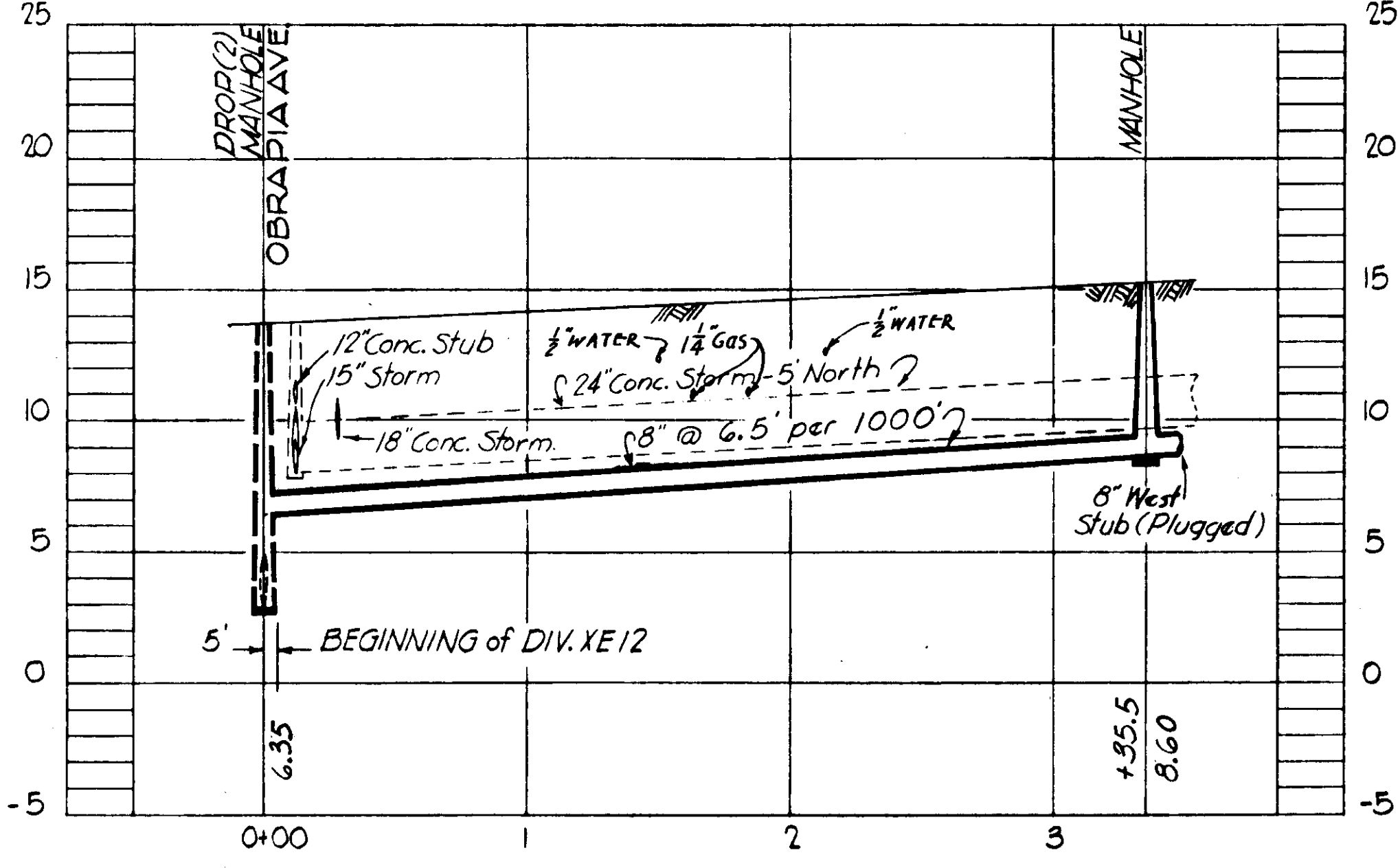
**NOTE:**  
HOUSE CONN. AT 1+06.0(S) INSTALLED & PLUGGED  
2' NORTH OF R.



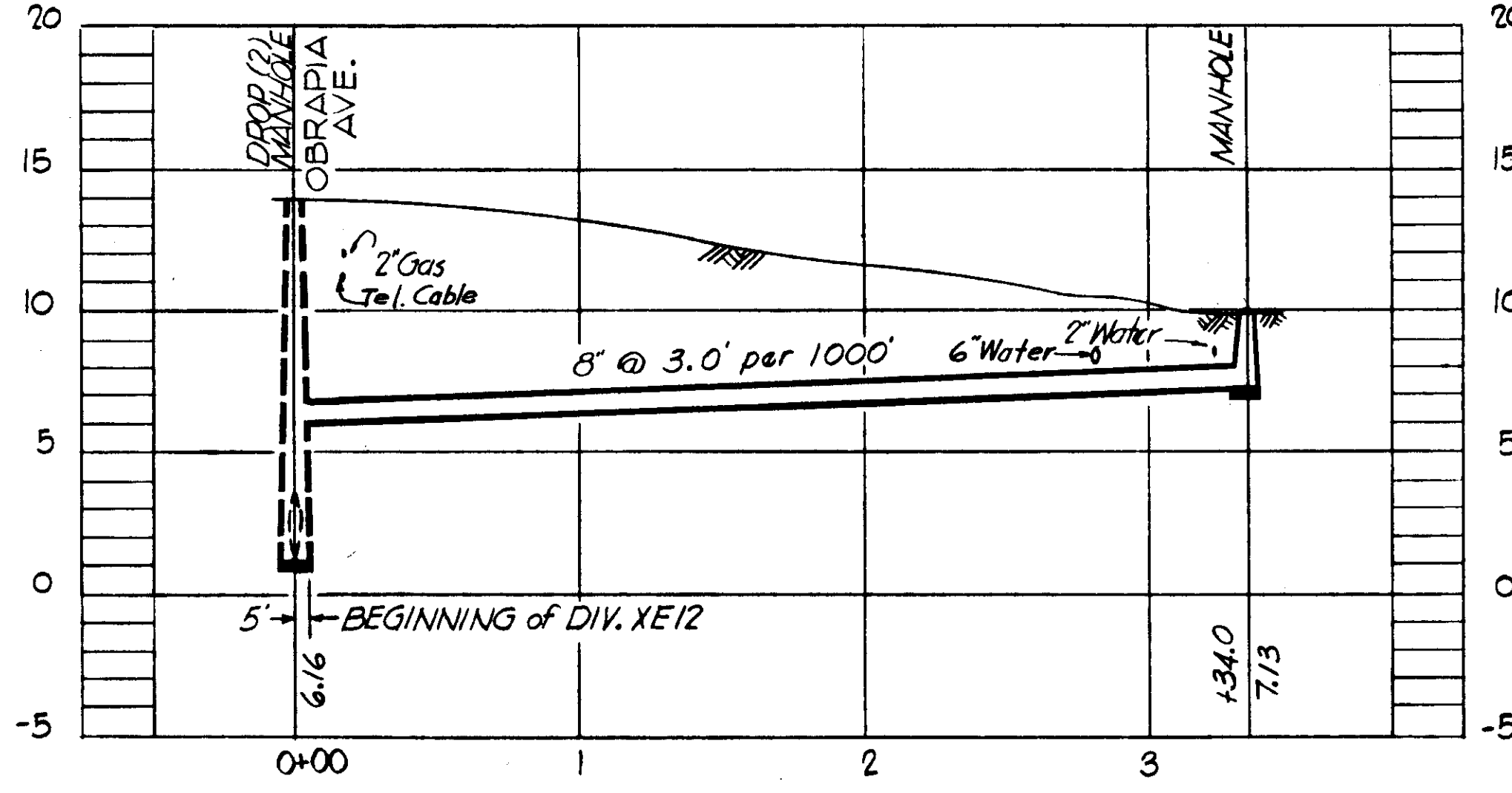
**PLAN**



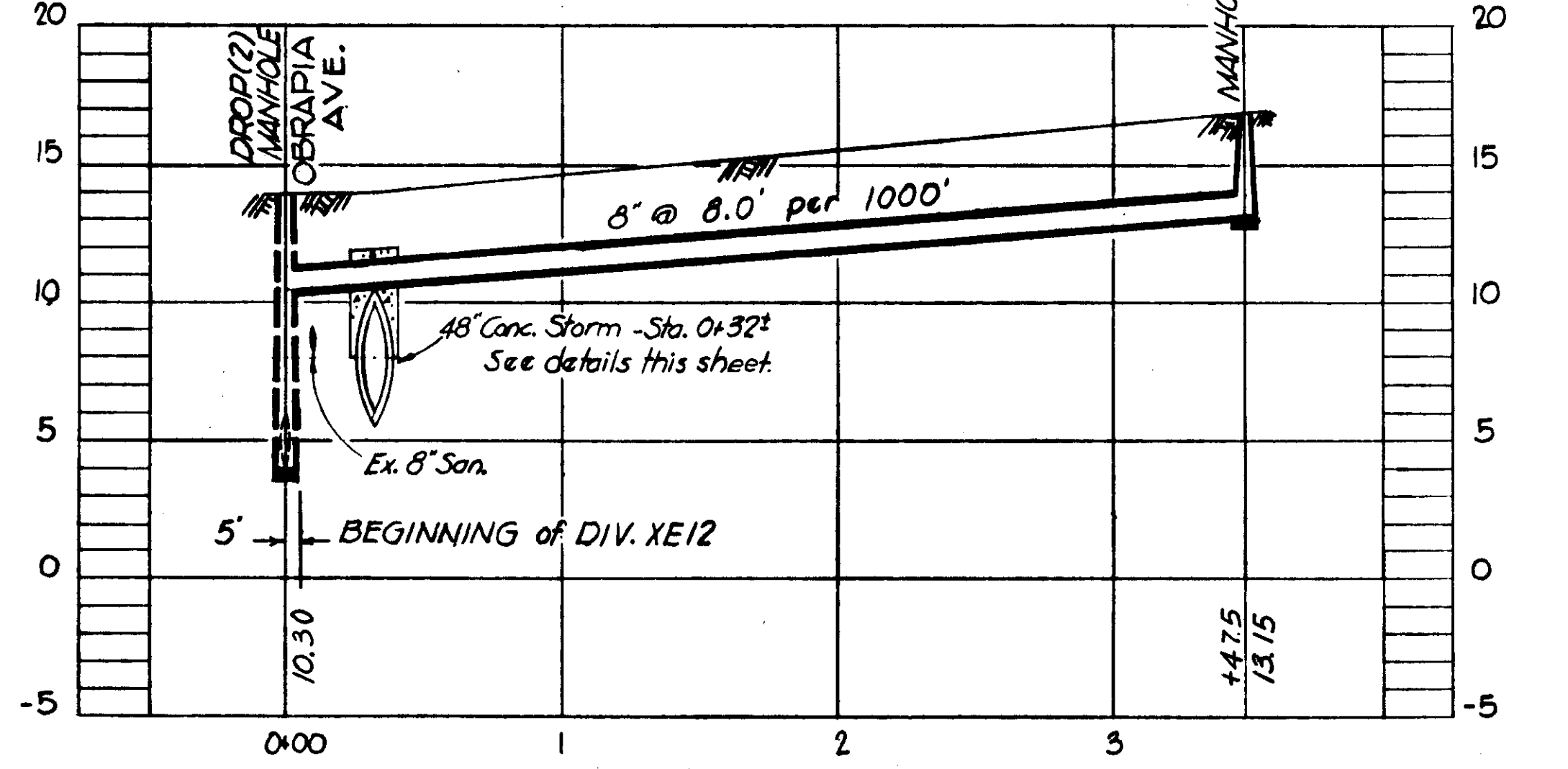
**PLAN**



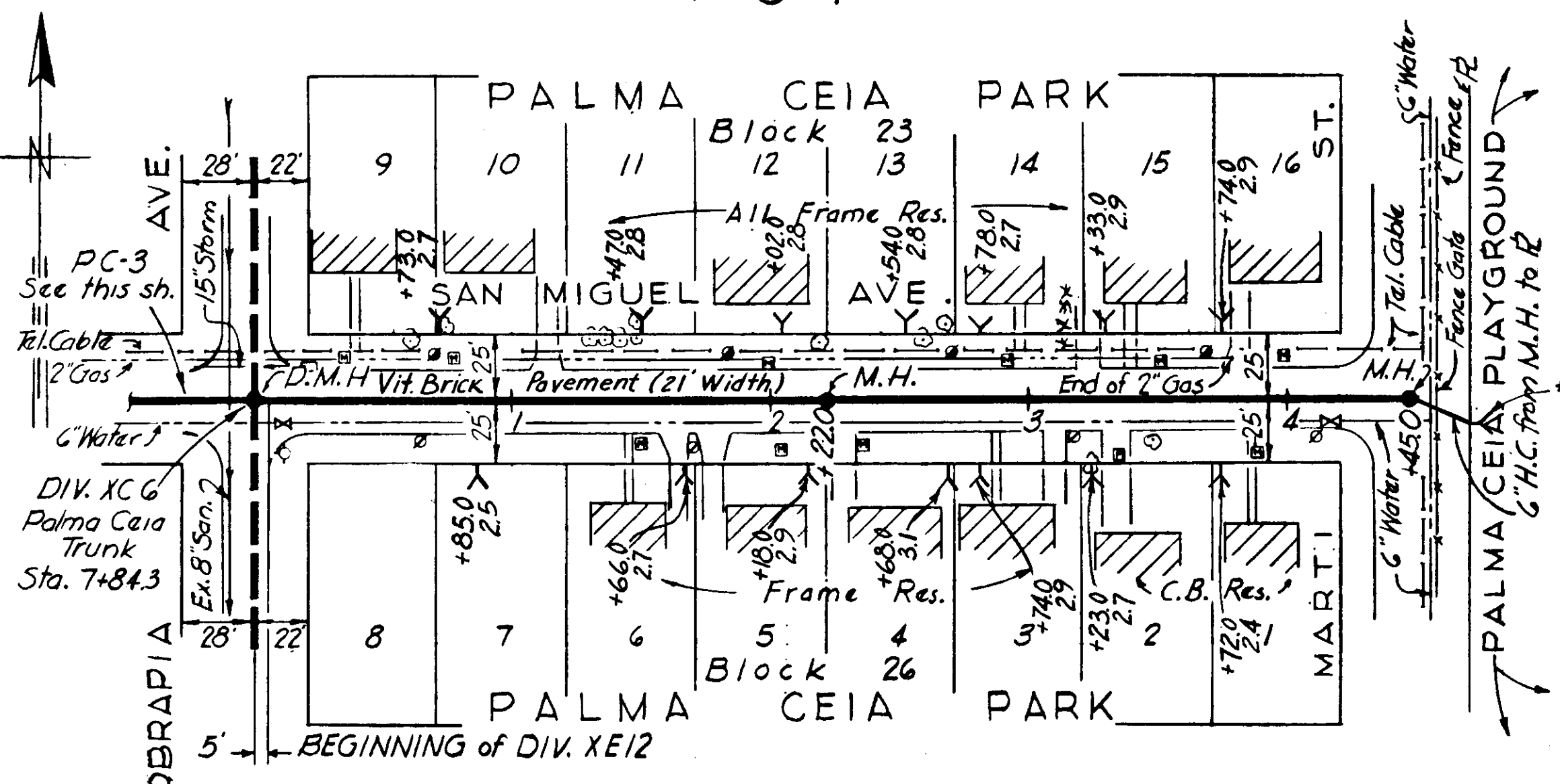
**PROFILE PC-1**



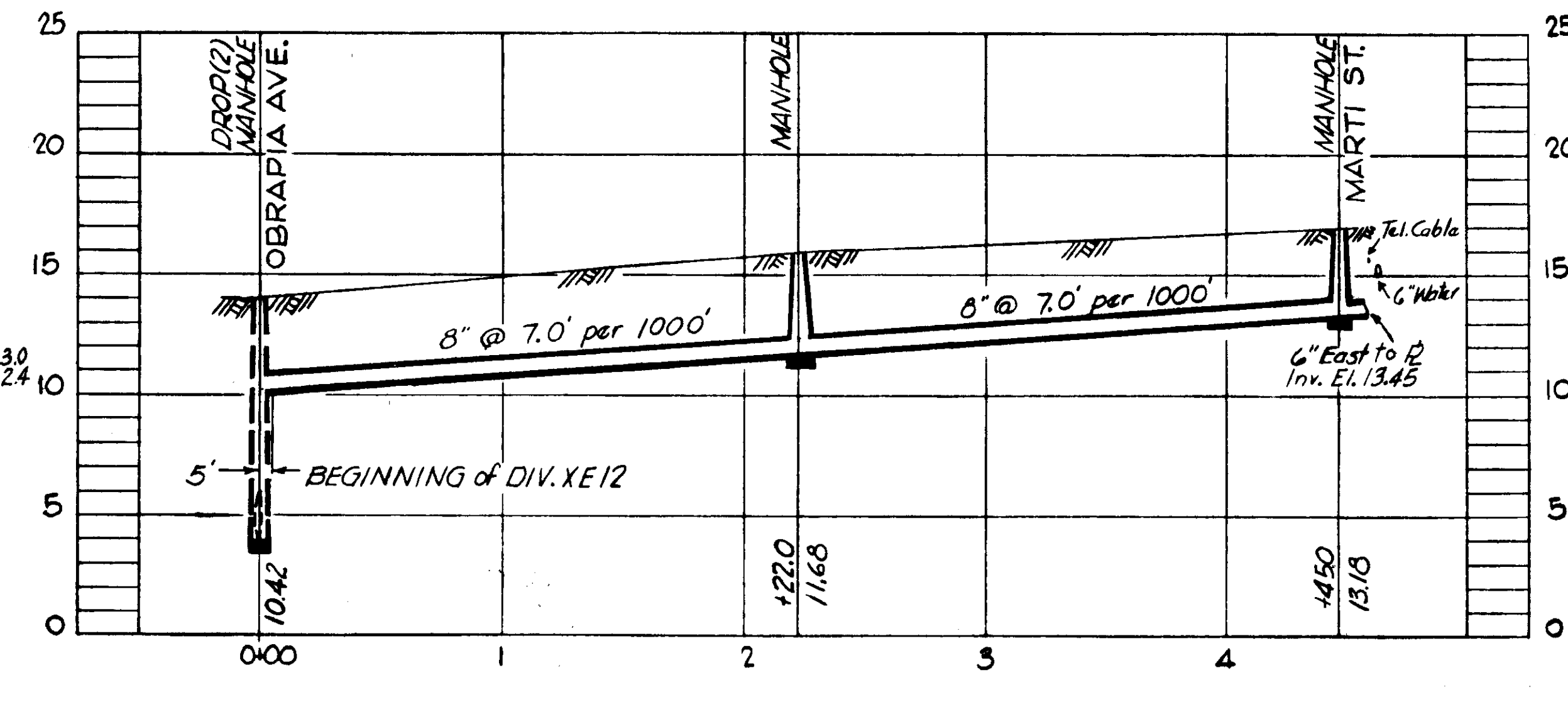
**PROFILE PC-2**



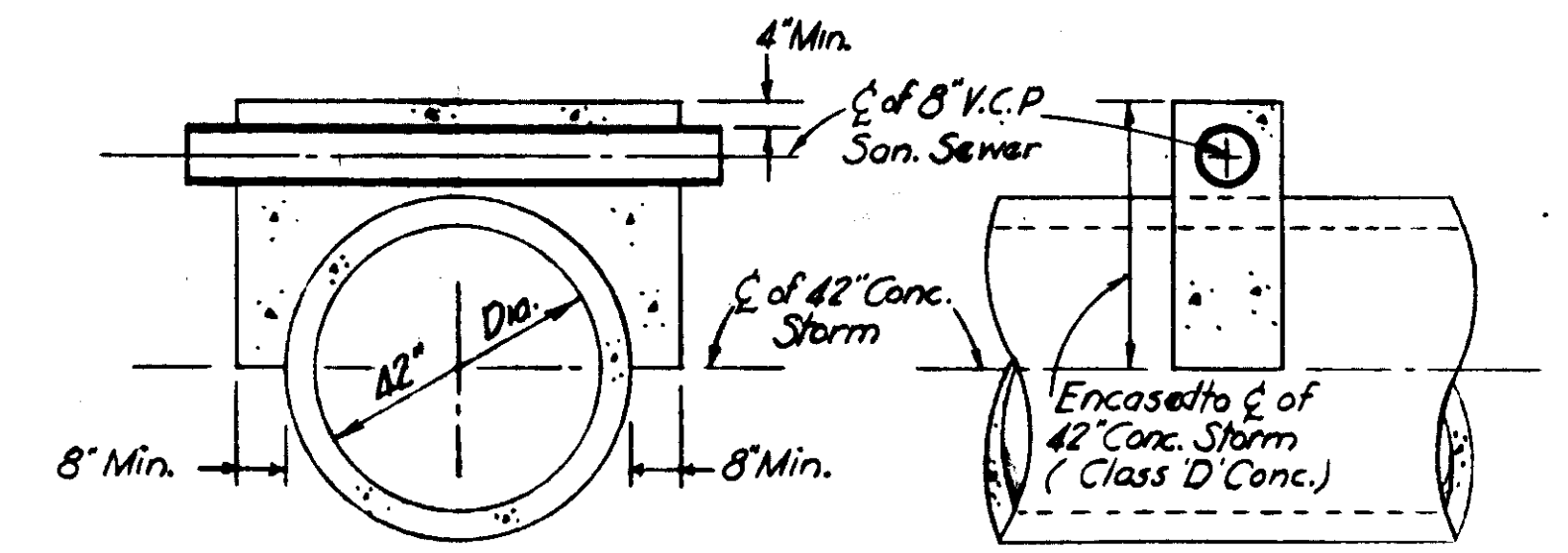
**PROFILE PC-3**



**PLAN**



**PROFILE PC-4**



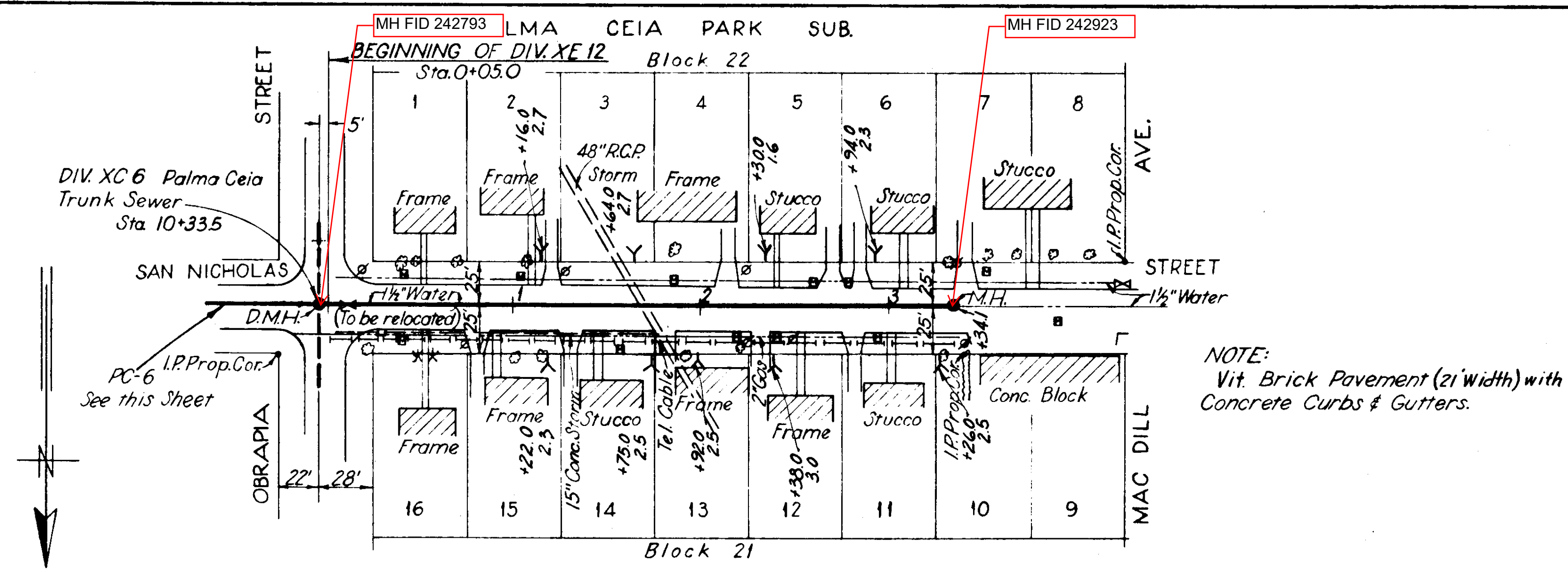
**DETAIL OF ENCASUREMENT PC-3**  
Sta. 0+32±  
Scale: 3/8" = 1'-0"

GREELEY AND HANSEN  
ENGINEERS  
CHICAGO, ILL.

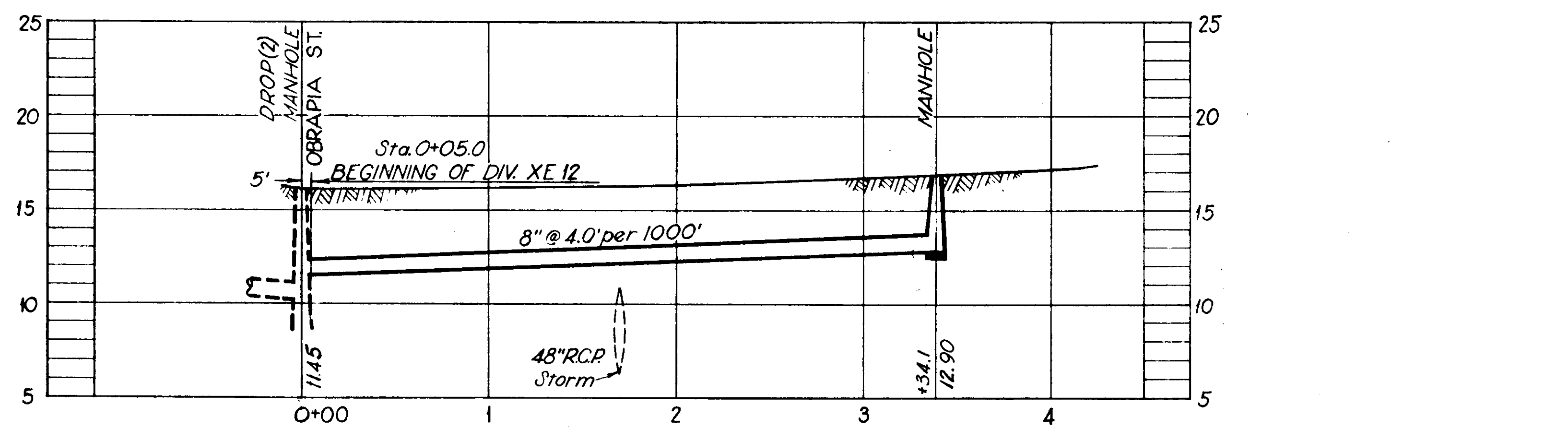
**- AS-BUILT PLAN -**  
Revised to show actual conditions according  
to construction record as of  
(A.F.L. 8-22-55)

**NOTE:**  
All Paving Vitrified Brick  
With Conc. Curb and Gutter.

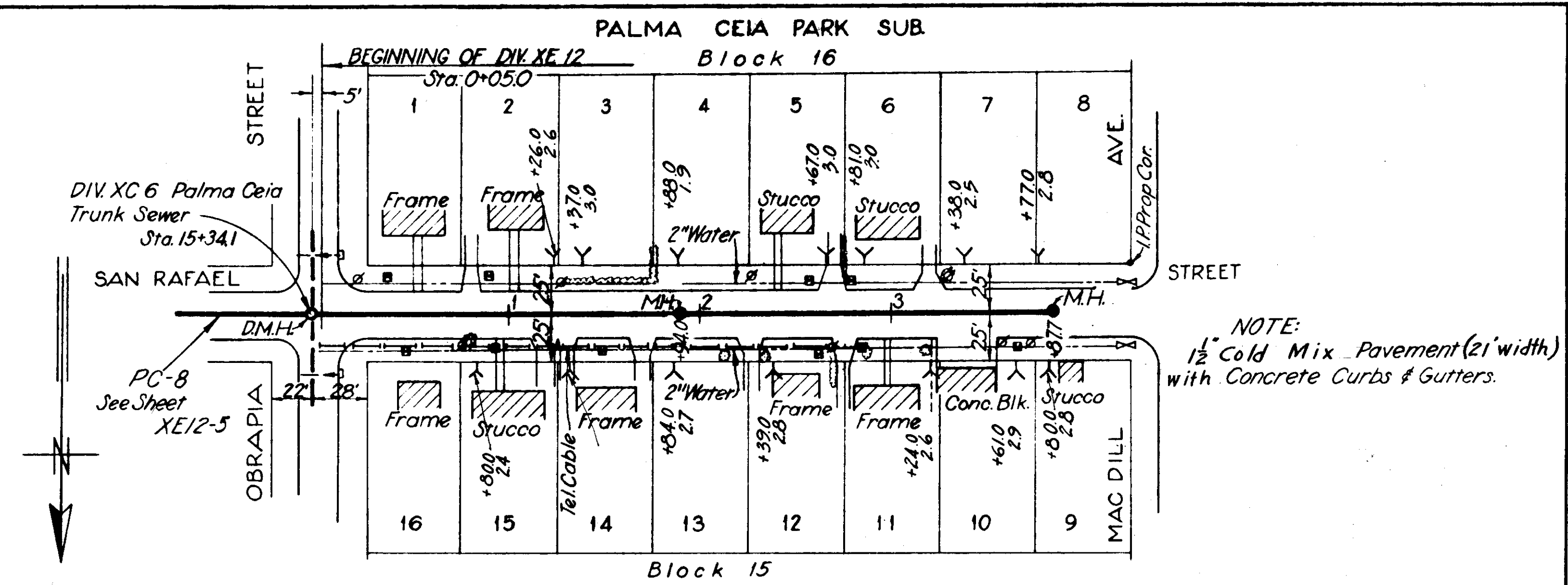
<b>CITY OF TAMPA, FLORIDA</b>		<b>SHEET</b> <b>XE12-3</b> <b>OF 45</b>
<b>SEWER IMPROVEMENTS</b>		
<b>DIVISION XI2</b>		
<b>PC-1, PC-2, PC-3 &amp; PC-4</b>		
DES. C.M.T.	SCALE	
DR. C.M.T.		
CKD. E.E.S-REF.		
DATE: OCT. 1954		



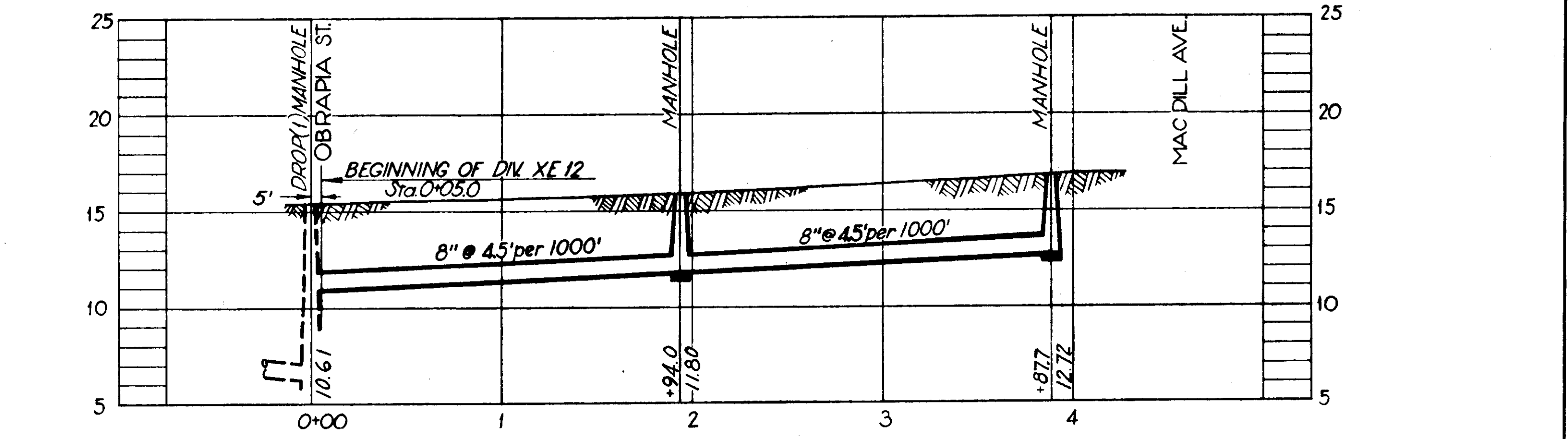
PLAN



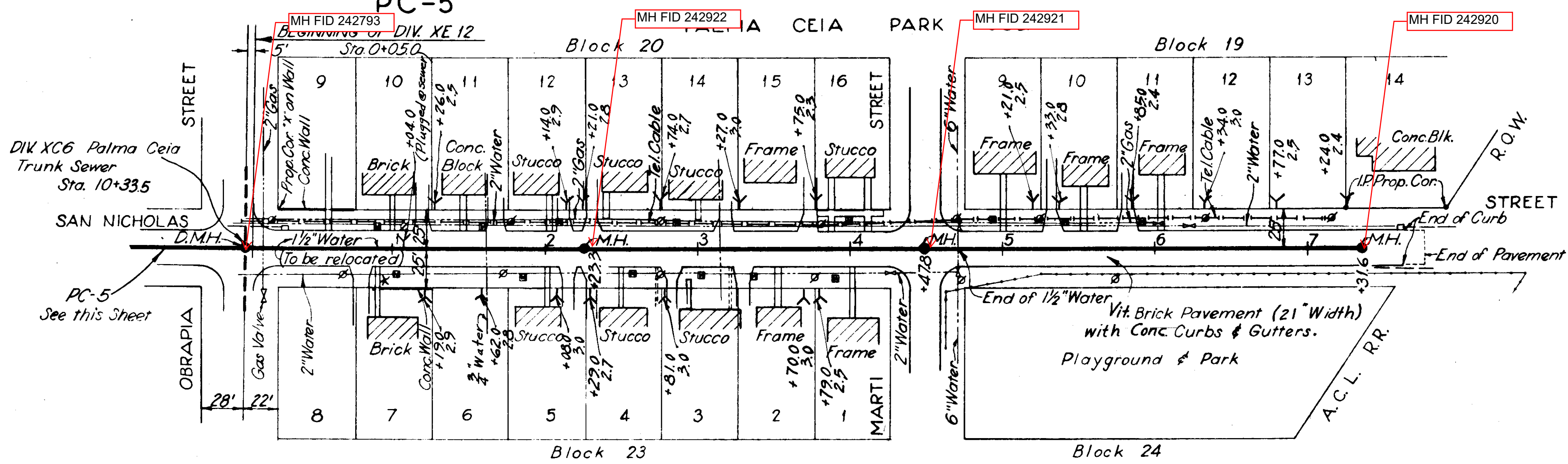
PROFILE PC-5



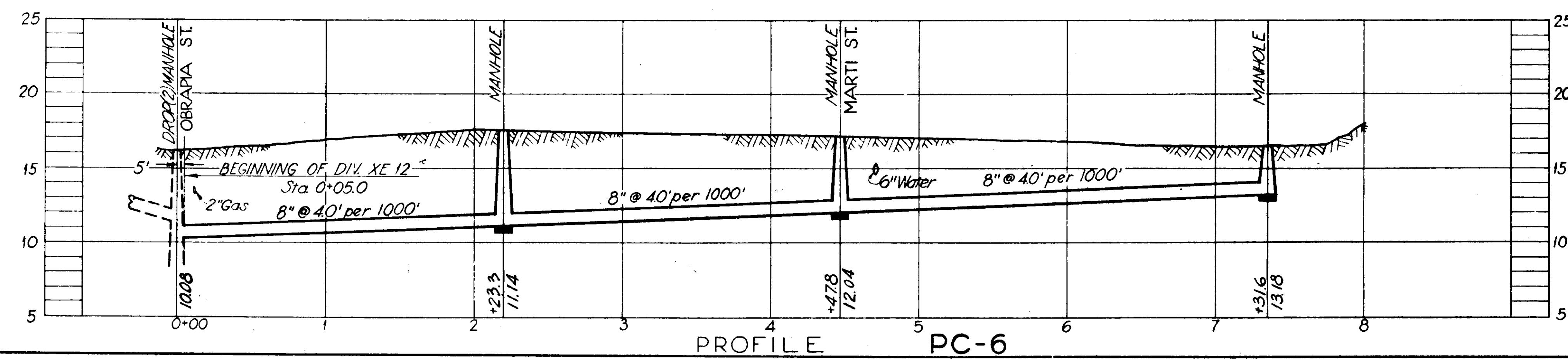
PLAN



PROFILE PC-7



PLAN



PROFILE PC-6

NOTE:  
Vit. Brick Pavement (21' width) with  
Concrete Curbs & Gutters.

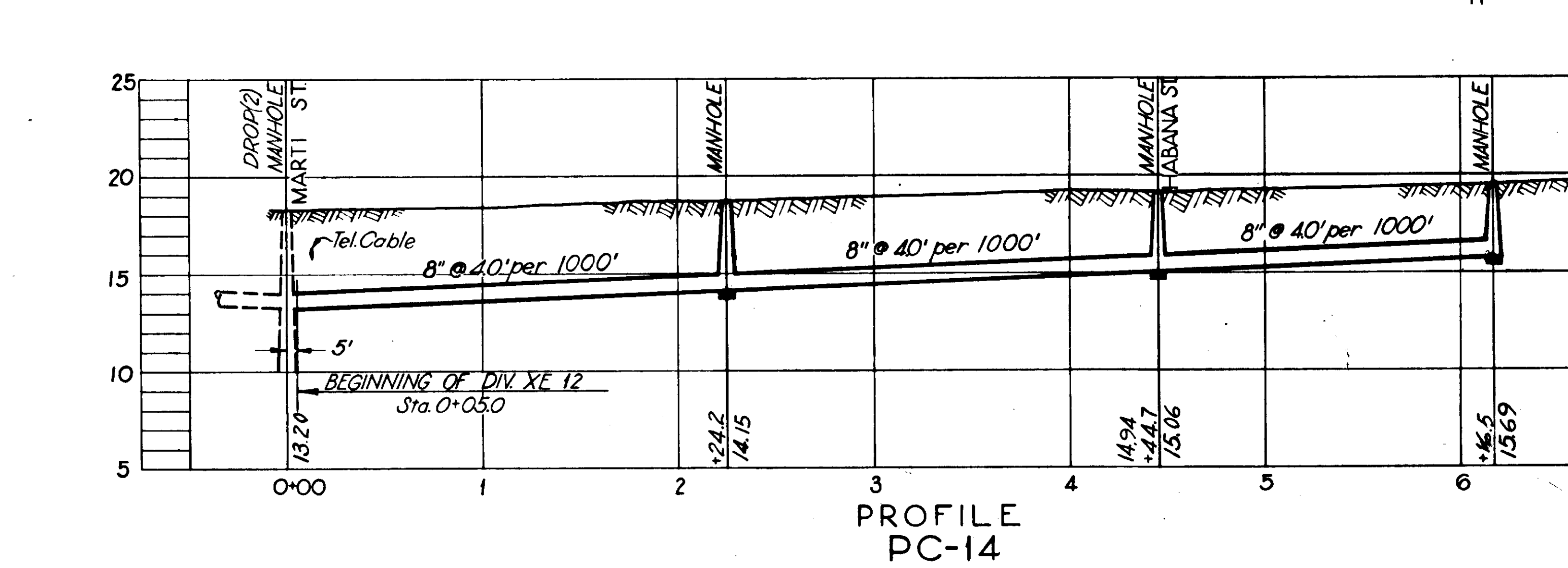
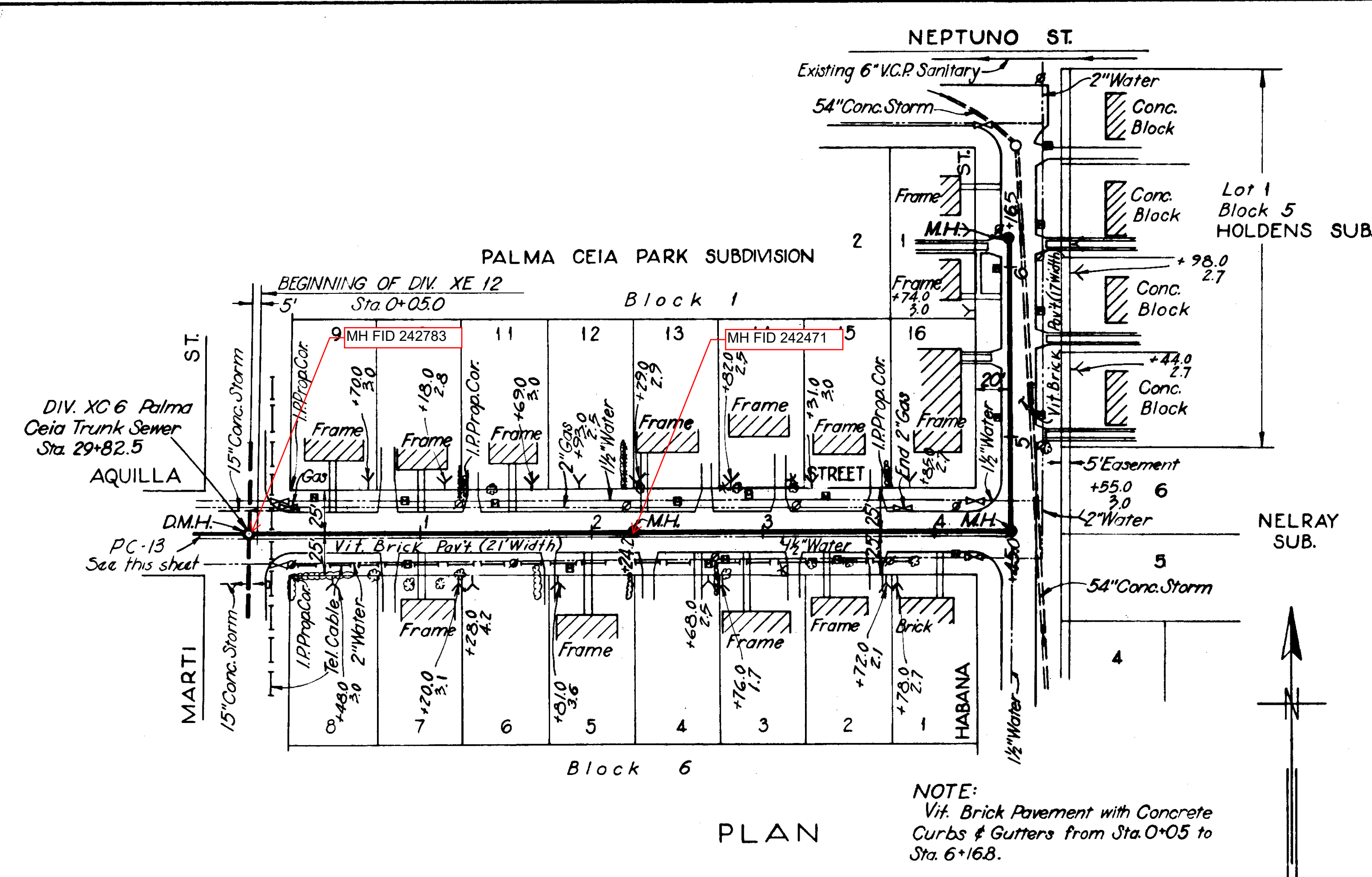
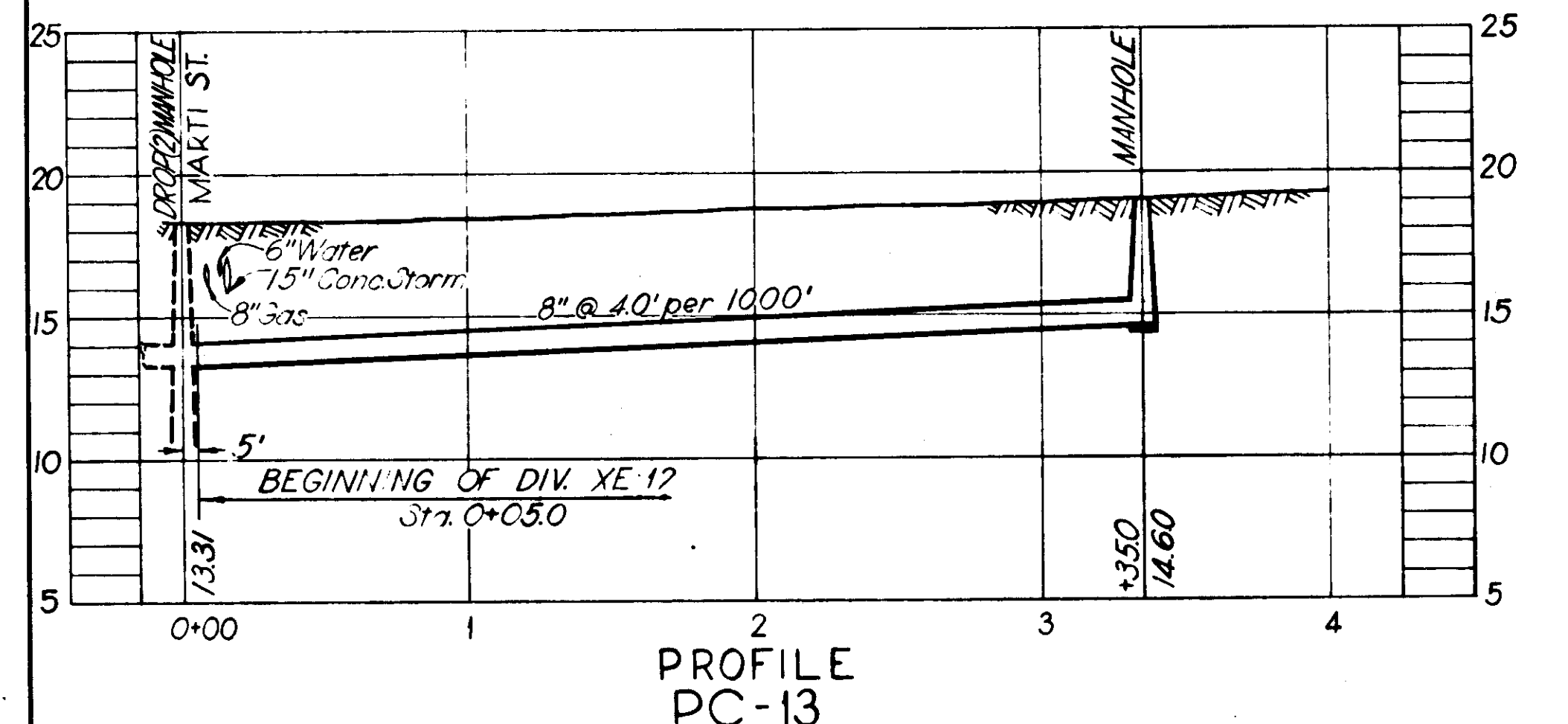
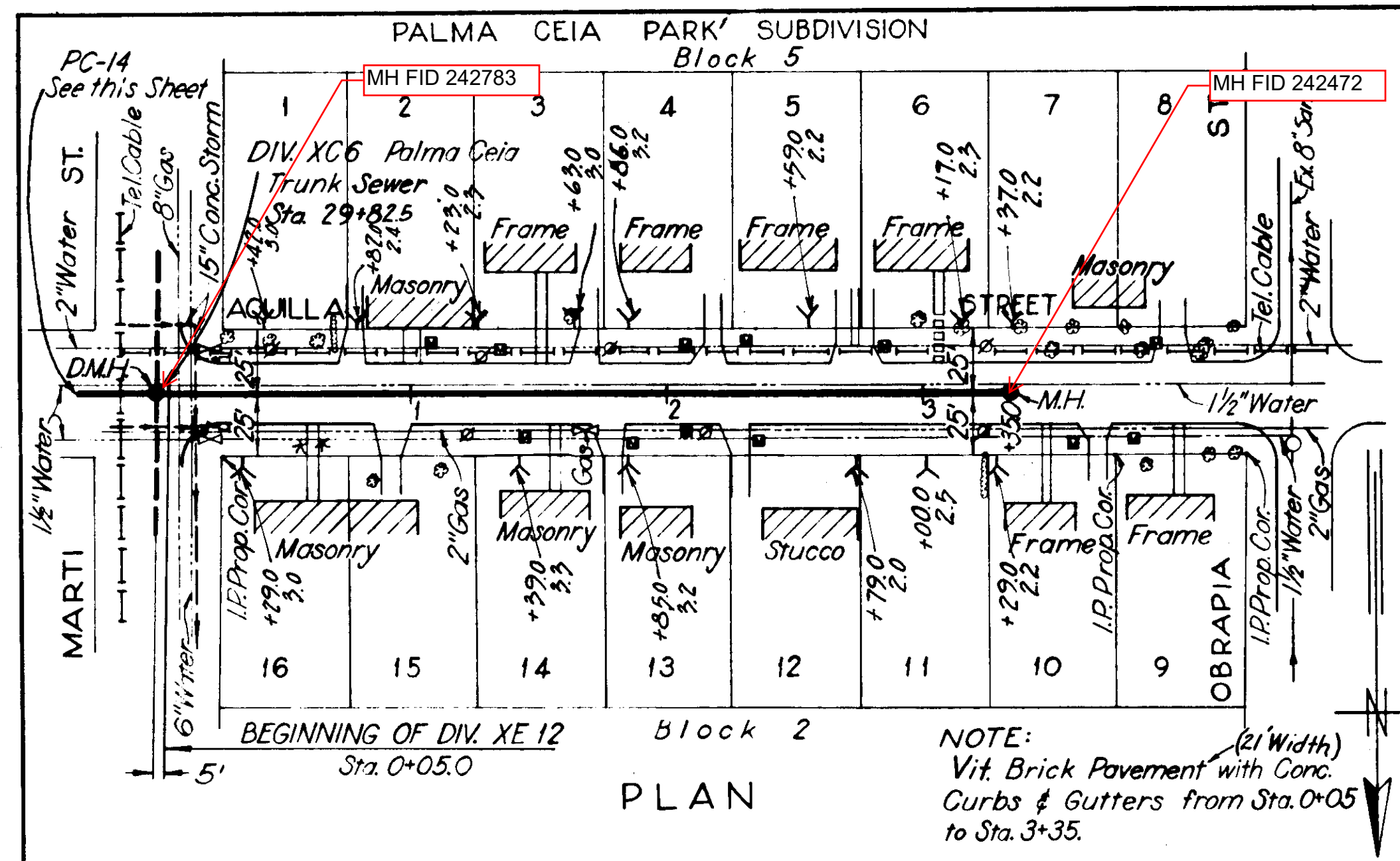
NOTE:  
1/2" Cold Mix Pavement (21' width)  
with Concrete Curbs & Gutters.

~AS-BUILT PLAN~

Revised to show actual conditions according  
to construction record as of  
(A.F.L. 7-17-56)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS		
DIVISION XE12		
PC-5, PC-6 & PC-7		
DES. C.M.T. DR. L.J.C. CKD. R.E.F. DATE: OCT. 1954	SCALE 0 50 100 1" = 50'	SHEET <b>XE12-4</b> OF 45

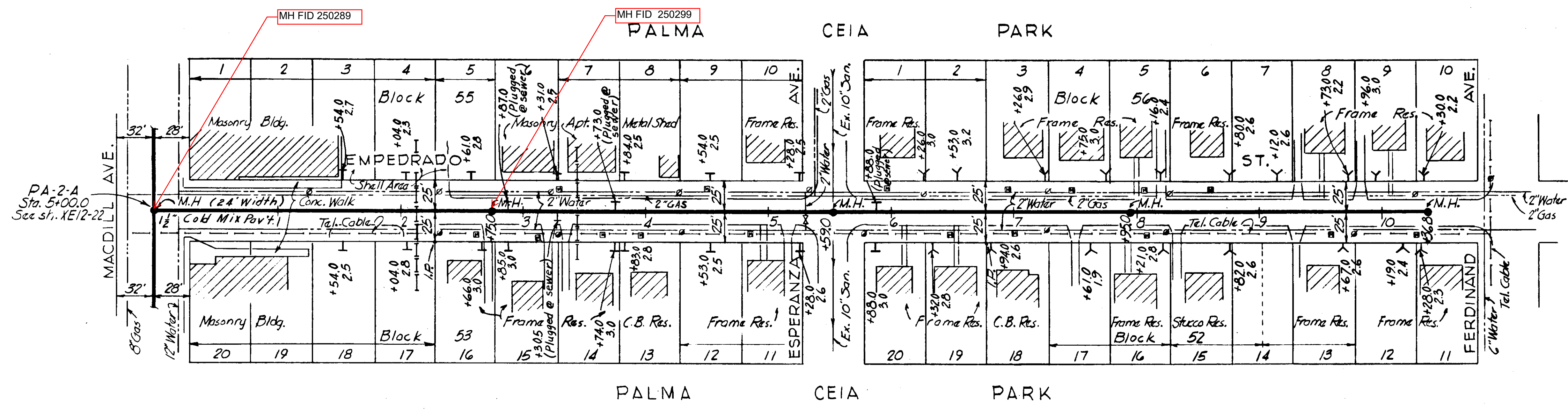




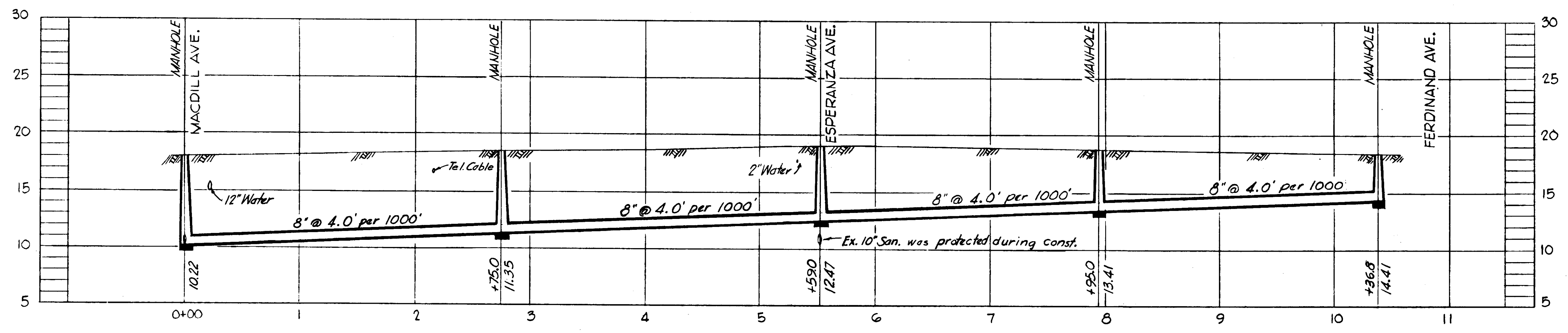
GREELEY AND HANSEN  
ENGINEERS  
CHICAGO, ILL.

**- AS-BUILT PLAN -**  
Revised to show actual conditions according  
to construction record as of  
(A.F.L. 2-28-56)

CITY OF TAMPA, FLORIDA		
SEWER IMPROVEMENTS		
DIVISION XE 12		
PC-13 & PC-14		
DES. C.M.T. DR. L.J.C. CKD. R.E.F. DATE: OCT. 1954	SCALE 50 0 50 100 1"=50'	SHEET XE12-8 OF 45



PLAN



PROFILE  
PA-2-A-1

NOTE:  
All Pavt. 1 1/2" Cold Mix with  
Conc. Curbs.

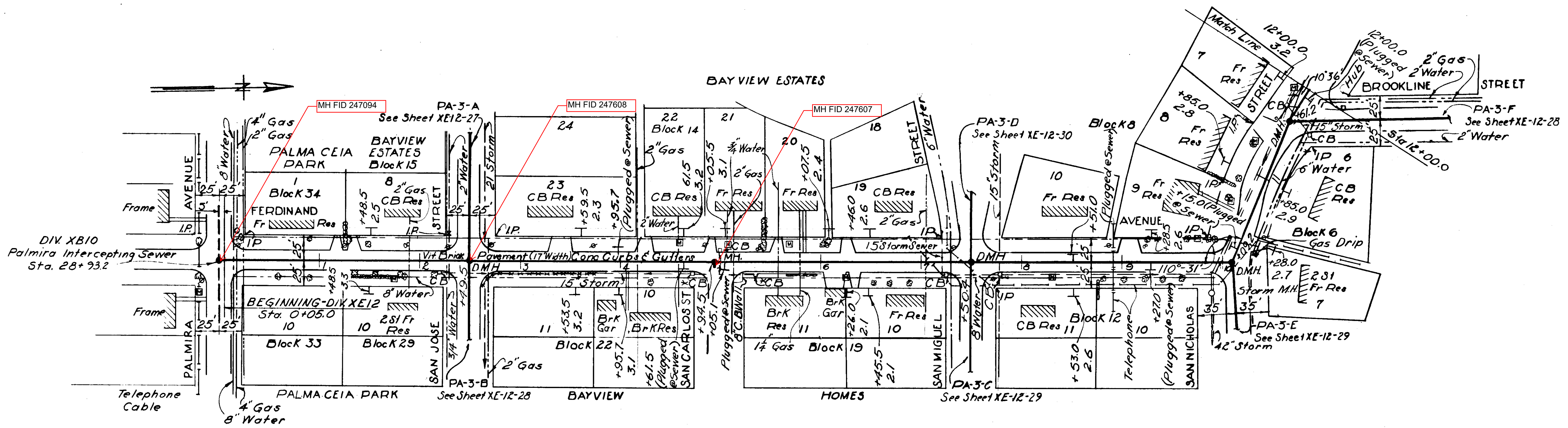
- AS-BUILT PLAN -

Revised to show actual conditions according  
to construction record as of  
(A.F.L. 8-26-55)

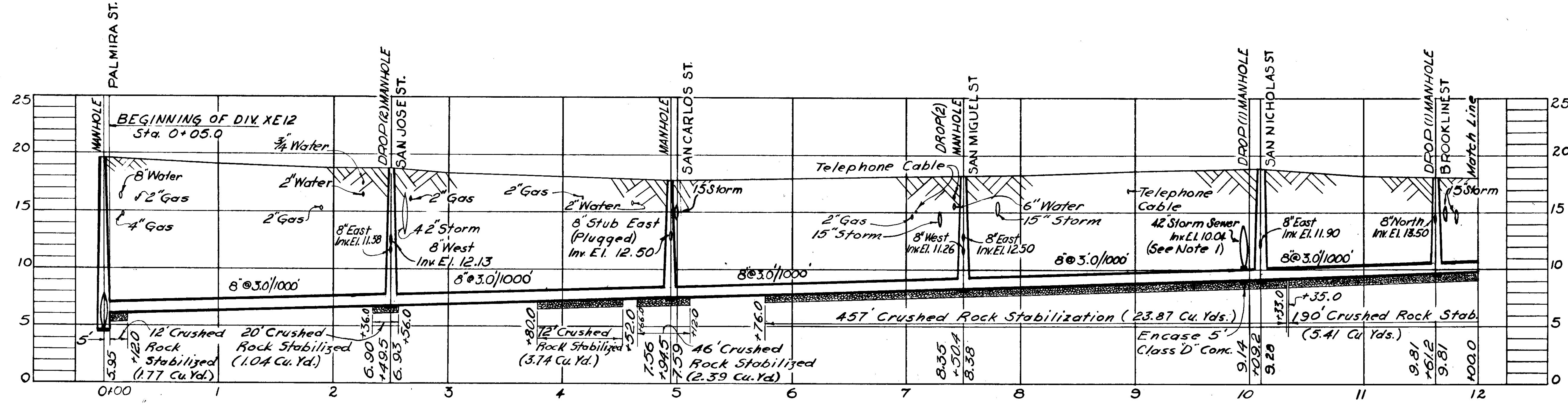
GREELEY AND HANSEN  
ENGINEERS  
CHICAGO, ILL.

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS DIVISION XE12		
PA-2-A-1		
DES. C.M.T. DR. C.M.T. CKD. E.E.S. DATE: OCT. 1954	SCALE 50 0 50 100 1" = 50'	SHEET XE12-23 OF 45

61-23



PLAN



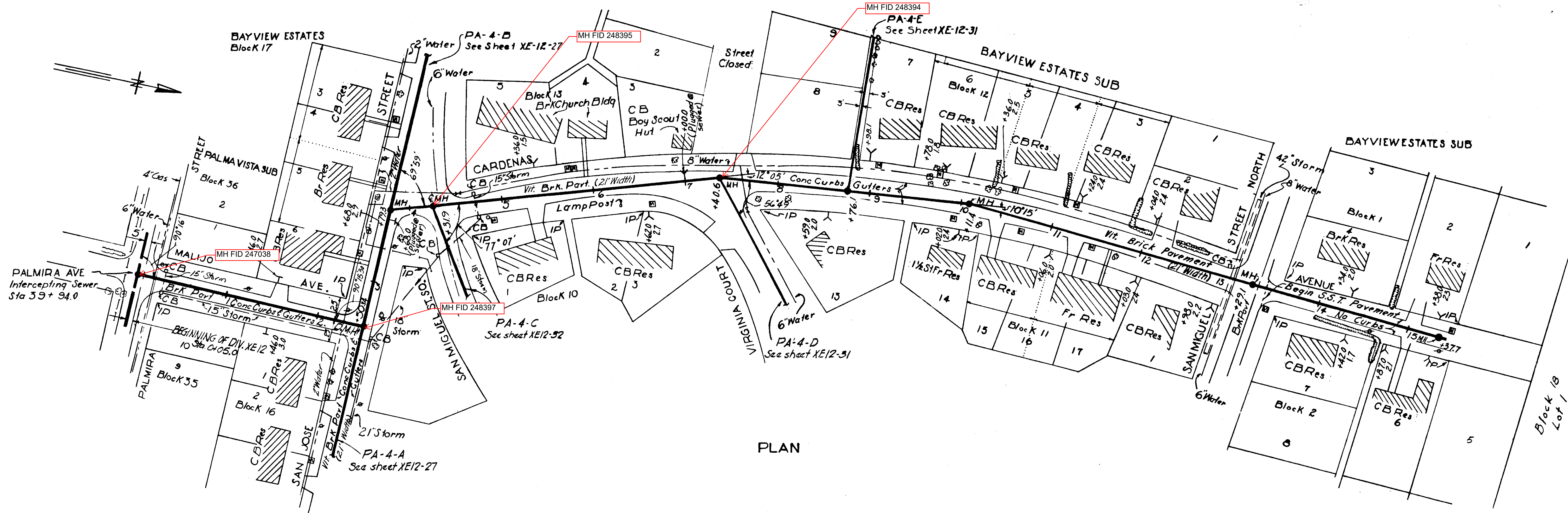
PROFILE PA-3

NOTES:  
 1. Chip bottom of 42" storm sewer as required to pass 8" sanitary sewer beneath it. This 8" sanitary sewer was encased in class "D" concrete.

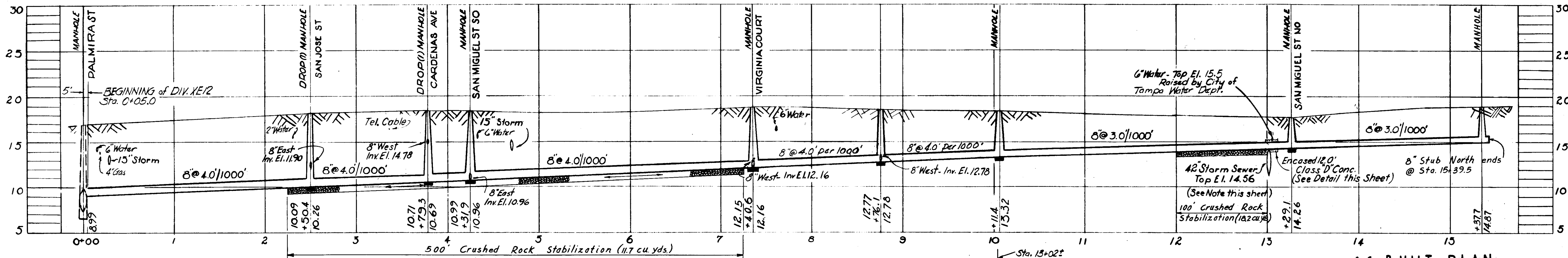
CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS DIVISION XE12	
PA-3 STA. 0+05.0 TO STA. 12+00	
DES. E.C.A. DR. A.P.I. CKD. R.E.F. DATE: OCT. 1954	SCALE 0 50 100 1" = 50'
SHEET XE12-24 OF 45	

-AS-BUILT PLAN-

Revised to show actual conditions according to construction record as of  
 W.M.M. 12-16-55



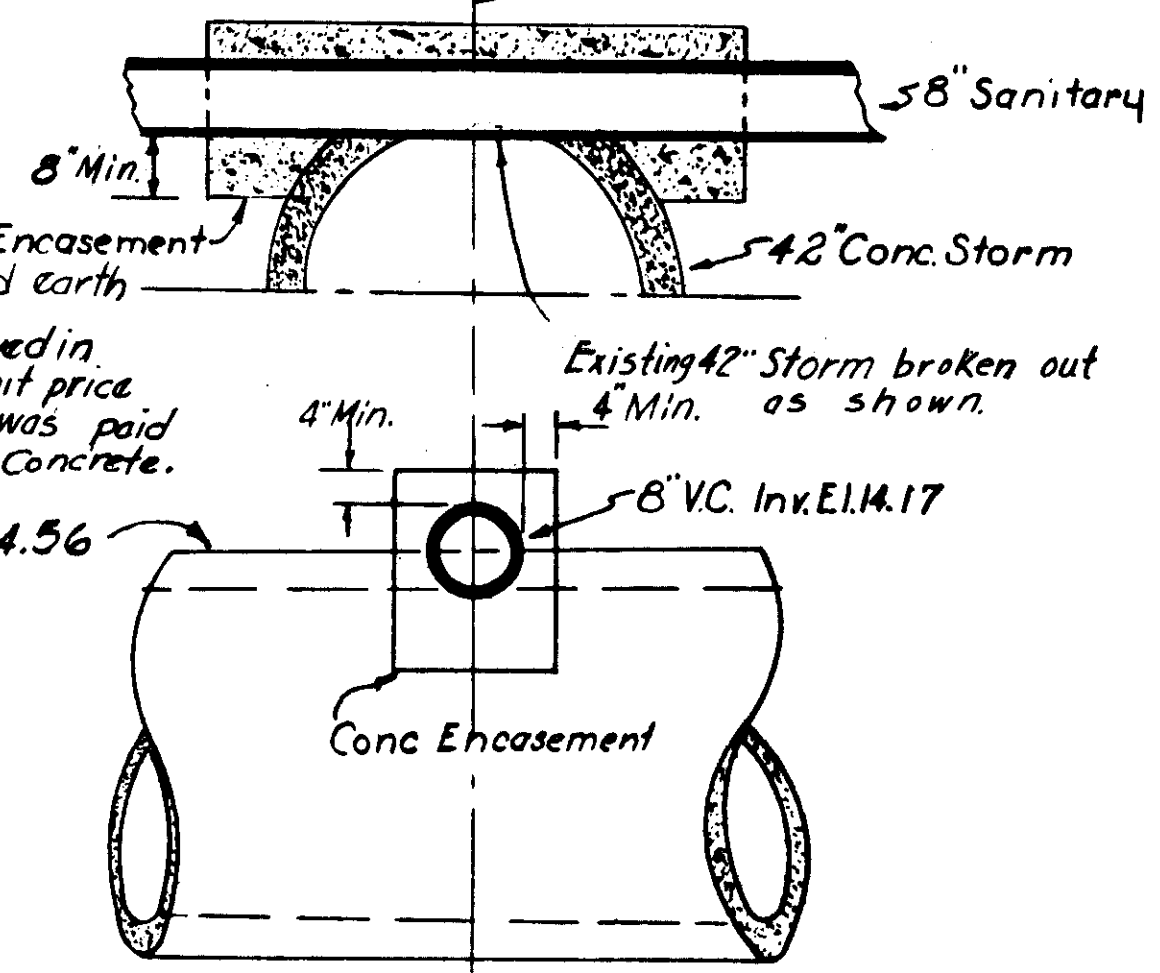
PLAN



PROFILE  
PA-4

Legend Property Lines  
 ..... Property Lines as Indicated by Hillsborough County Tax Records  
 ——— Property Lines as Indicated by Subdivision Plat

NOTE:  
 Cost of additional work involved in this crossing was included in unit price for 8\"/>



-AS-BUILT PLAN-

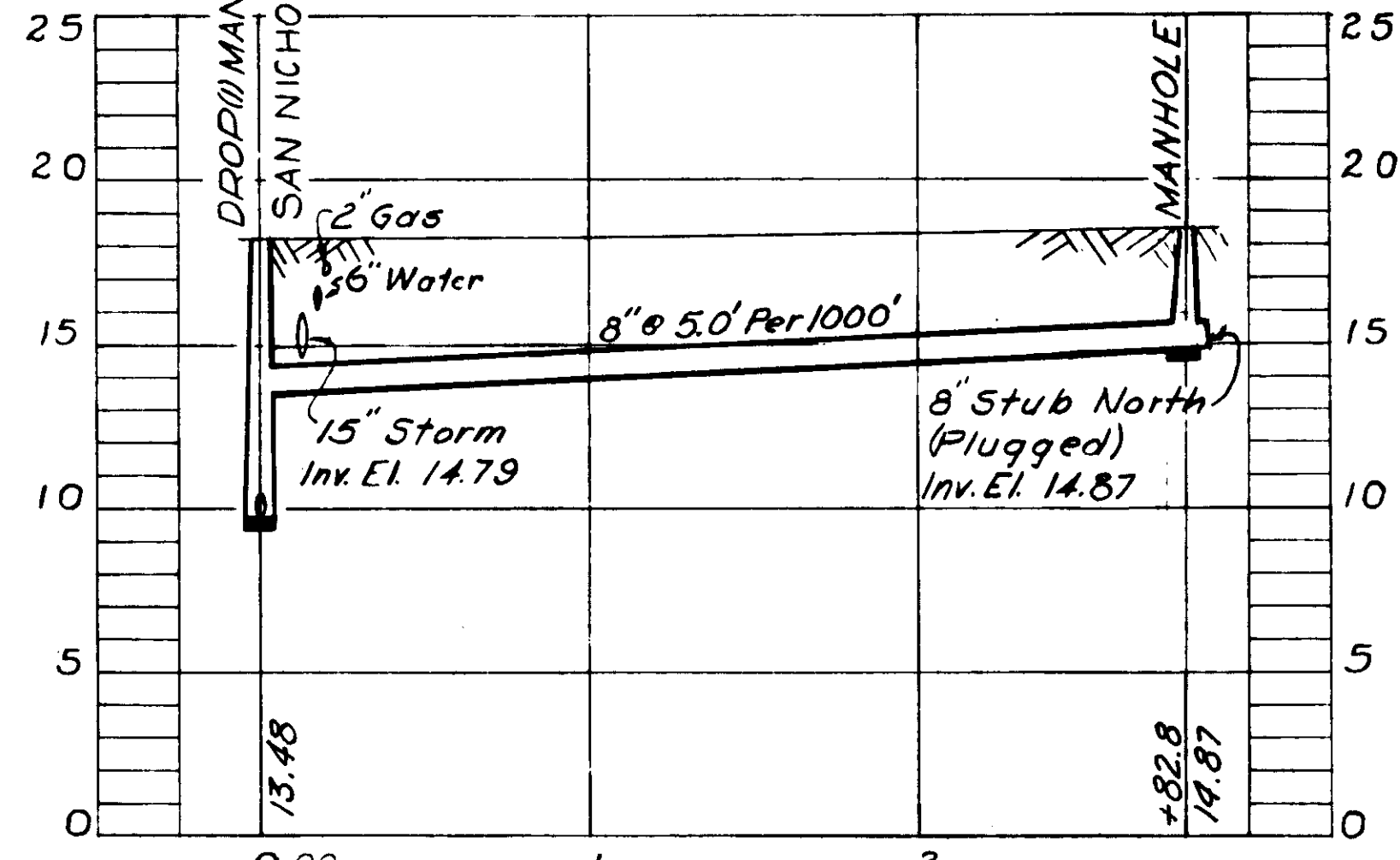
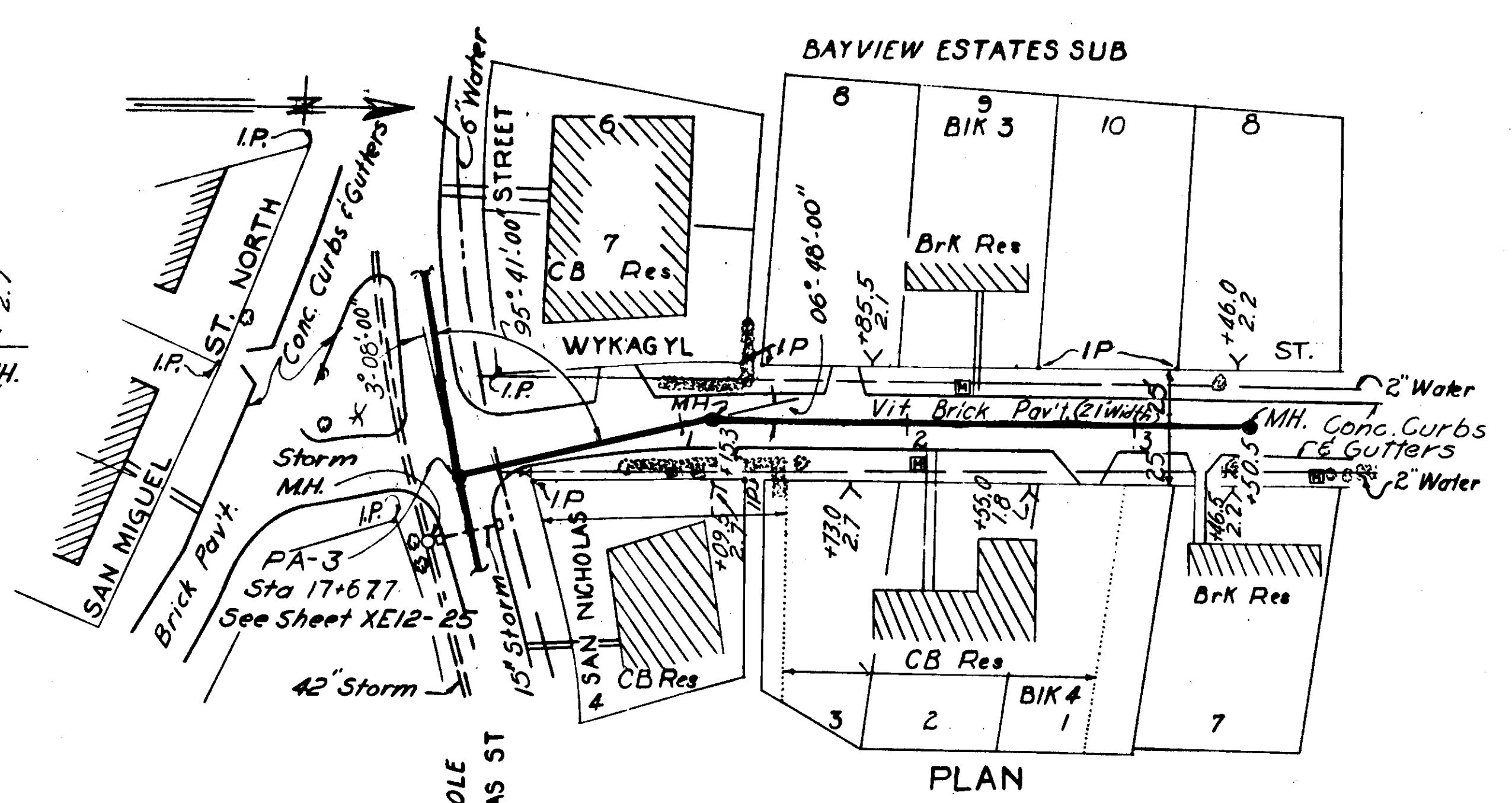
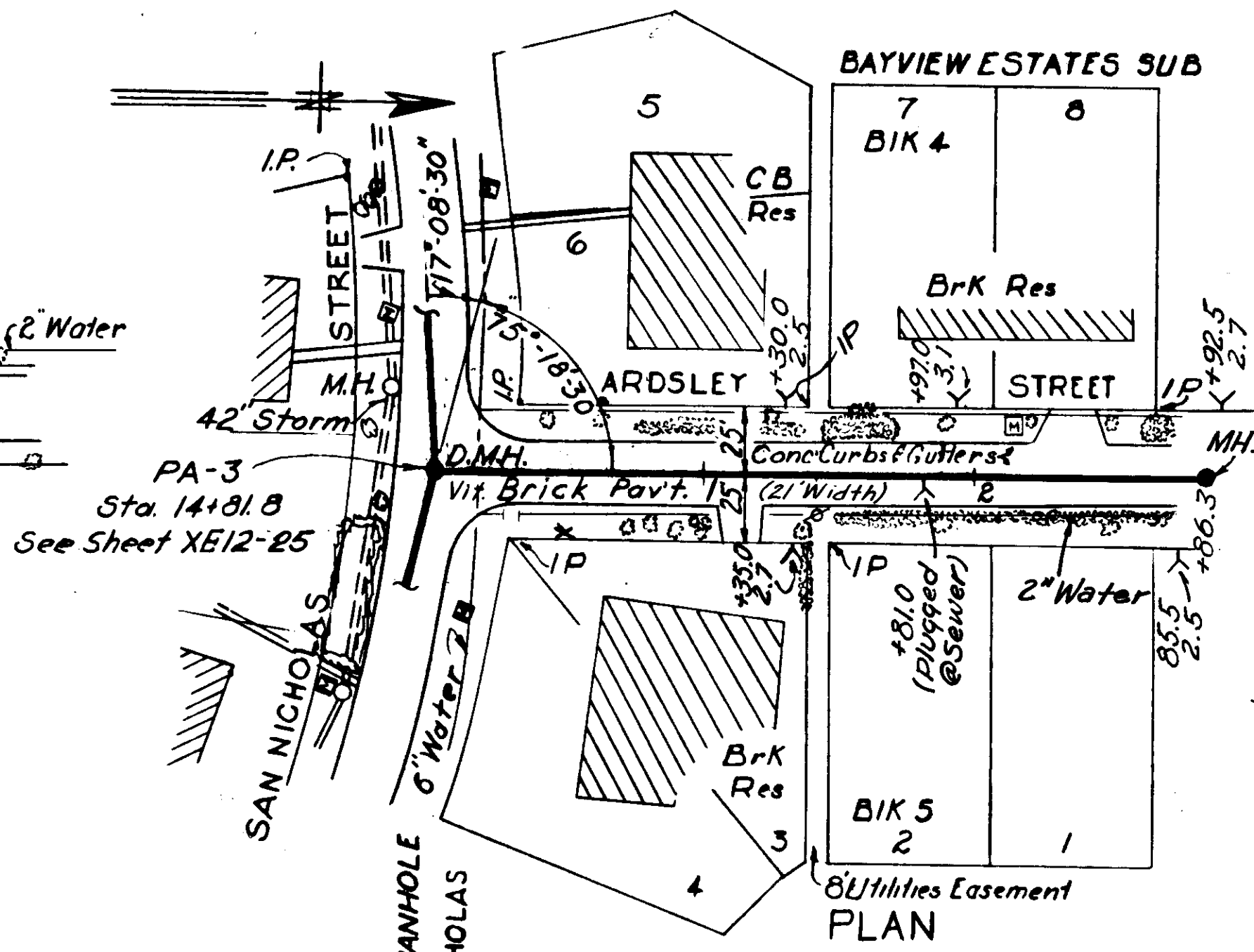
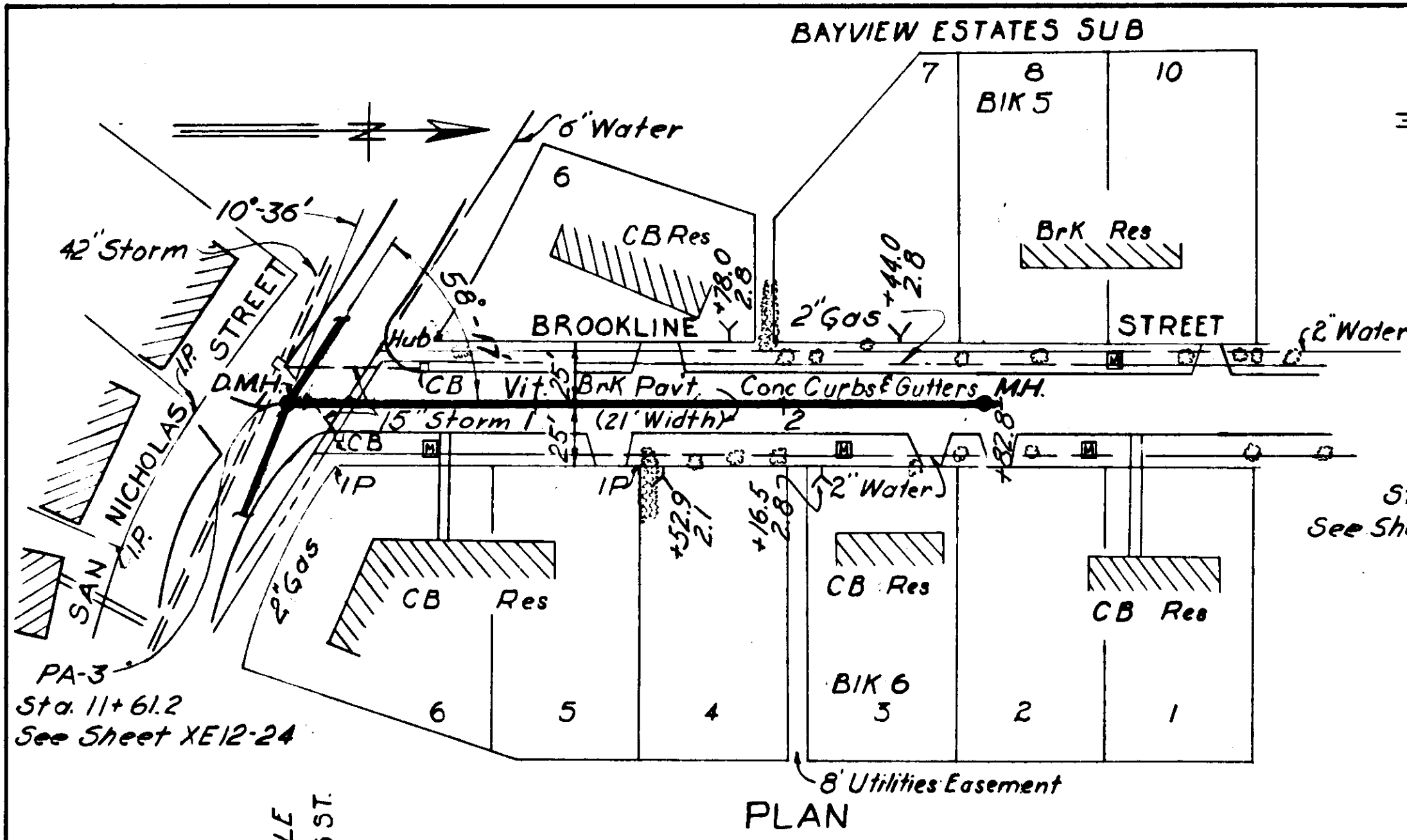
Revised to show actual conditions according to construction record as of (A.F.L. 3-21-96)

<b>CITY OF TAMPA, FLORIDA</b>		
SEWER IMPROVEMENTS		
DIVISION XE12		
PA-4		
DES. E.C.A. DR. A.P.I. CKD. R.E.F. DATE: OCT. 1954	SCALE 50 0 50 100 1" = 50'	SHEET <b>XE12-26</b> OF 45

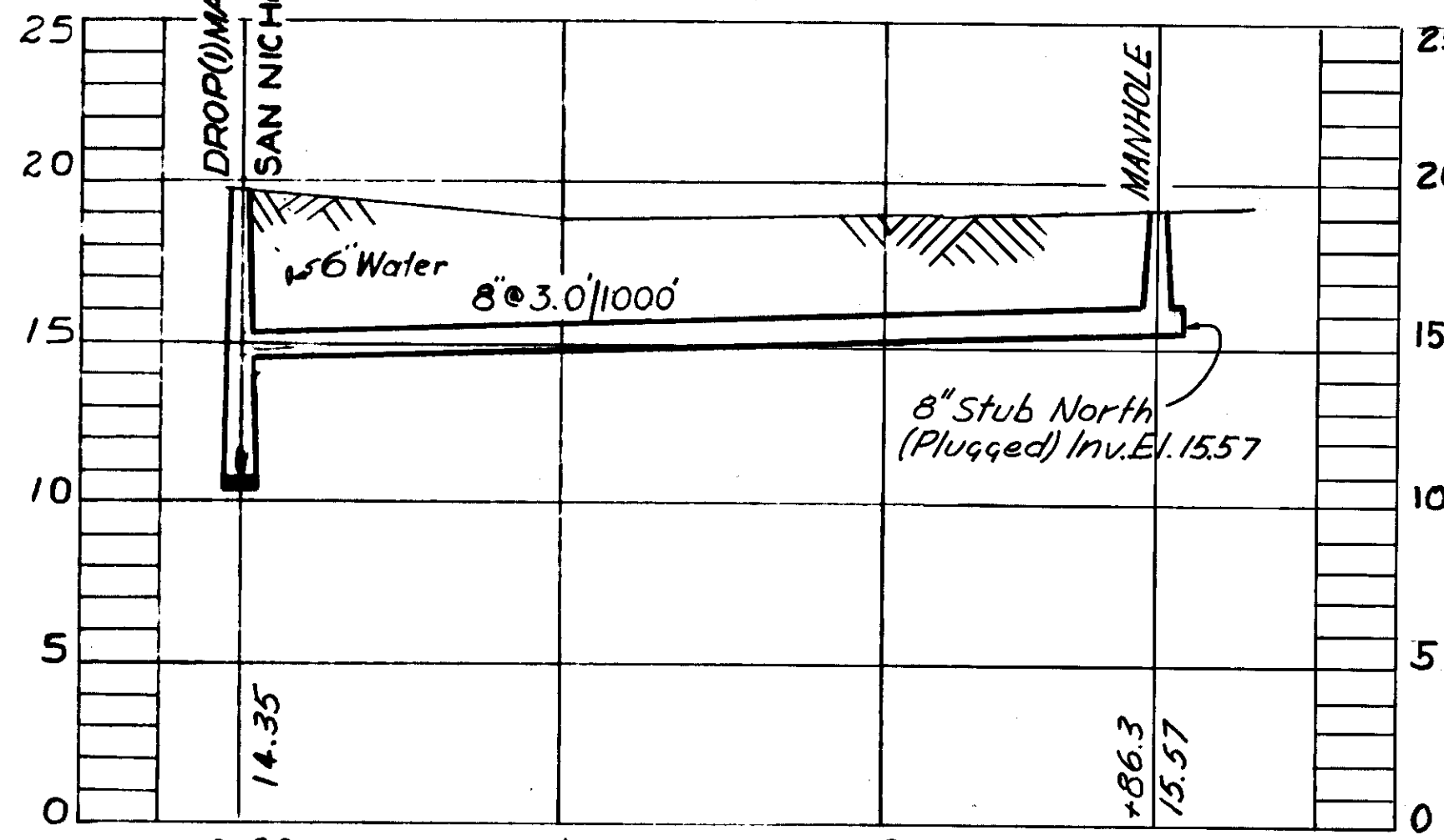
GREELEY AND HANSEN  
 ENGINEERS  
 CHICAGO, ILL.

61-26

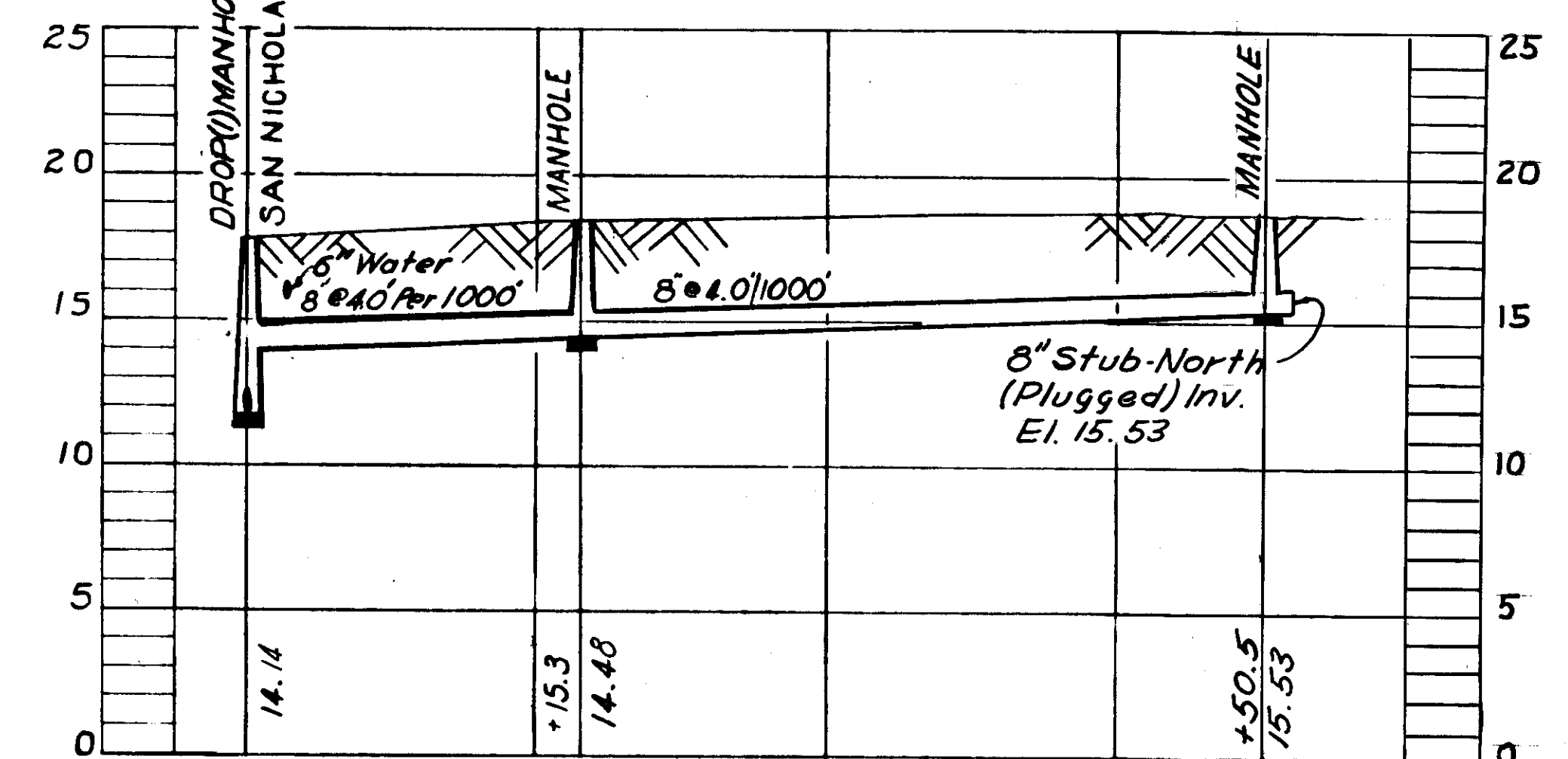




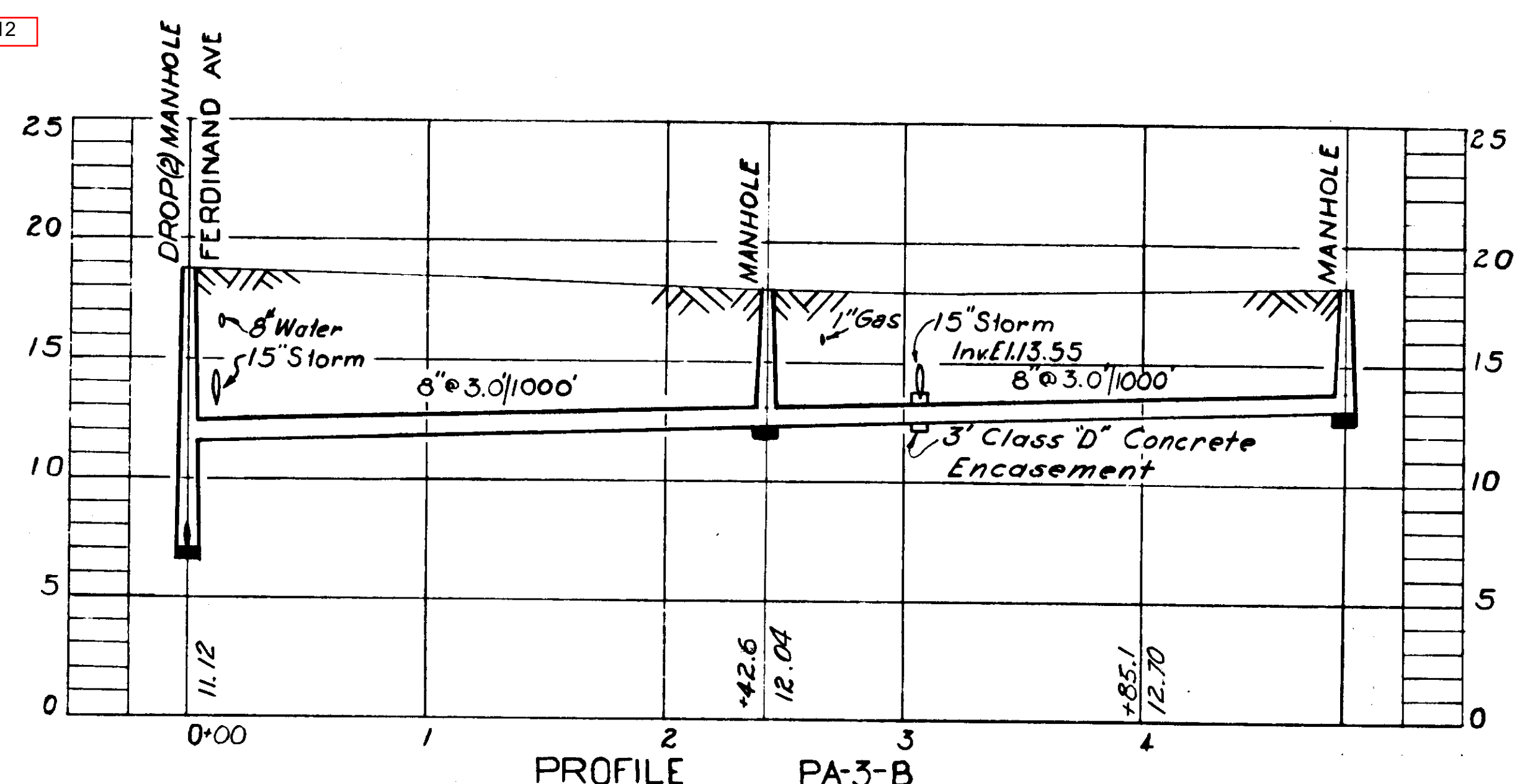
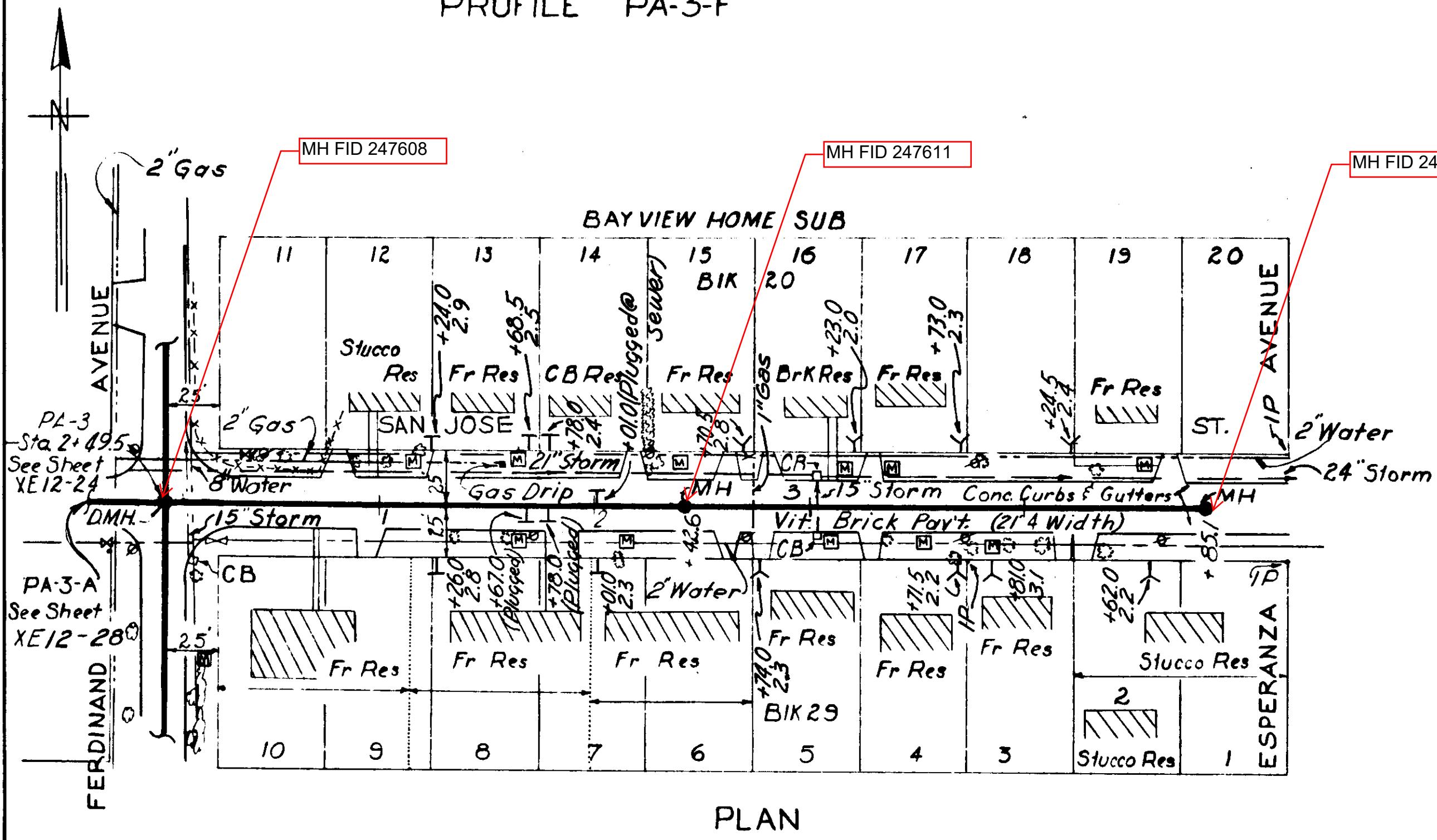
PROFILE PA-3-F



PROFILE PA-3-G



PROFILE PA-3-H



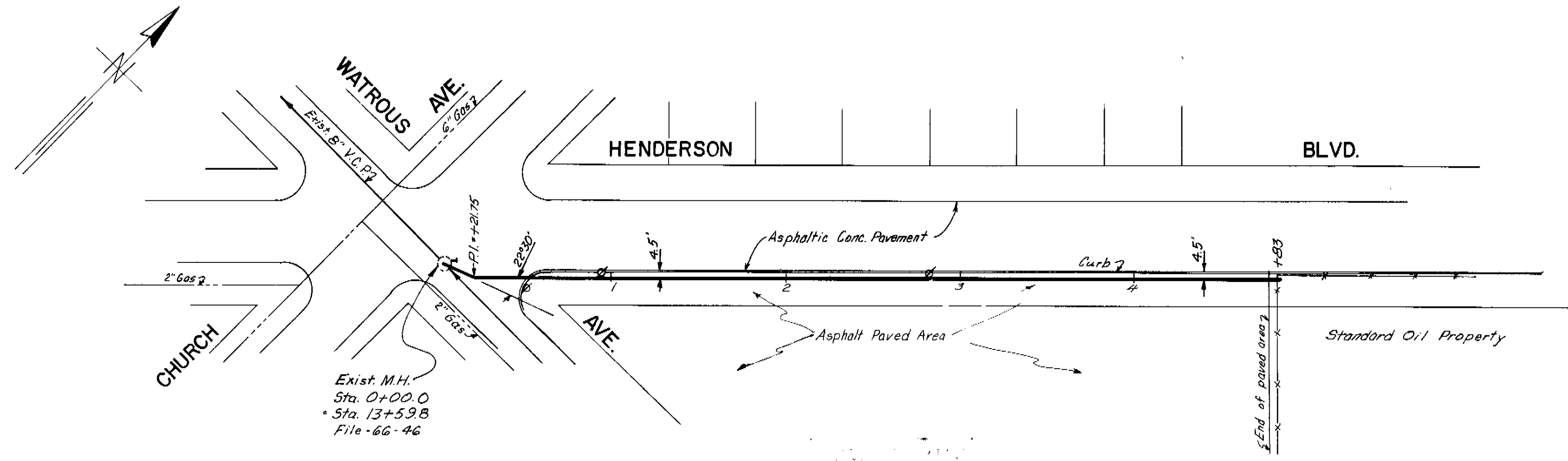
PROFILE PA-3-B

Legend-Property Lines  
 ..... Property Lines from Tax Records  
 ——— Property Lines from Subdivision Plat

-AS-BUILT PLAN-  
 Revised to show actual conditions according to construction record as of R.V.J.

<b>CITY OF TAMPA, FLORIDA</b>		
SEWER IMPROVEMENTS		
DIVISION XE12		
PA-3-B, PA-3-F, PA-3-G & PA-3-H		
DES. A.P.I. DR. A.P.I. CKD. DATE: OCT. 1954	SCALE 50 0 50 100 1"=50'	SHEET <b>XE12-28</b> OF

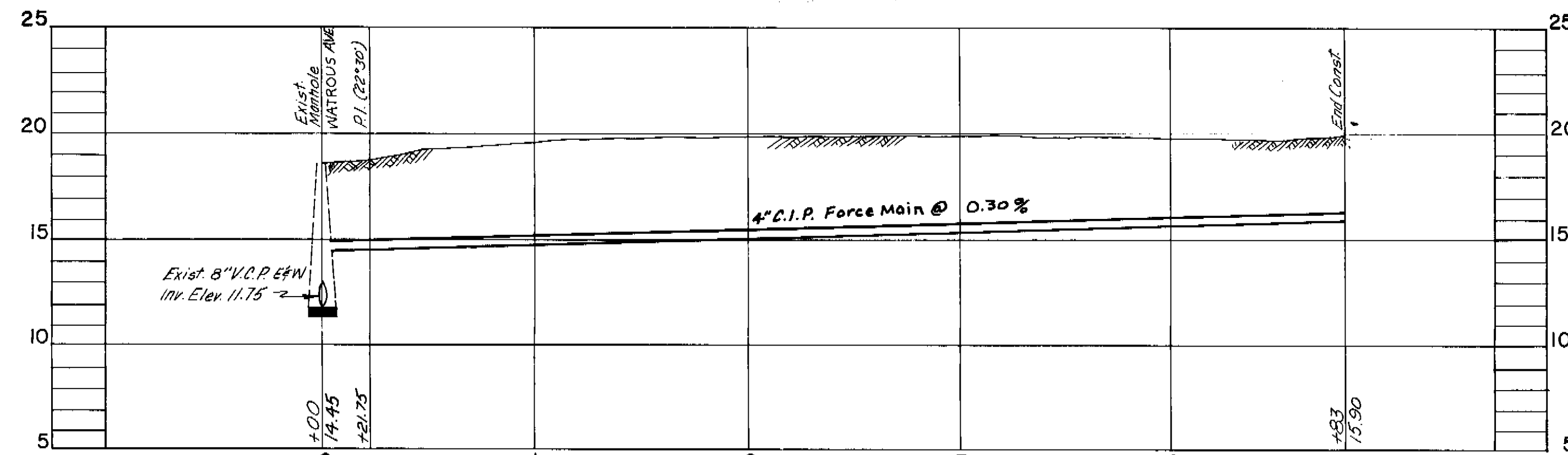
GREELEY AND HANSEN  
 ENGINEERS  
 CHICAGO, ILL.



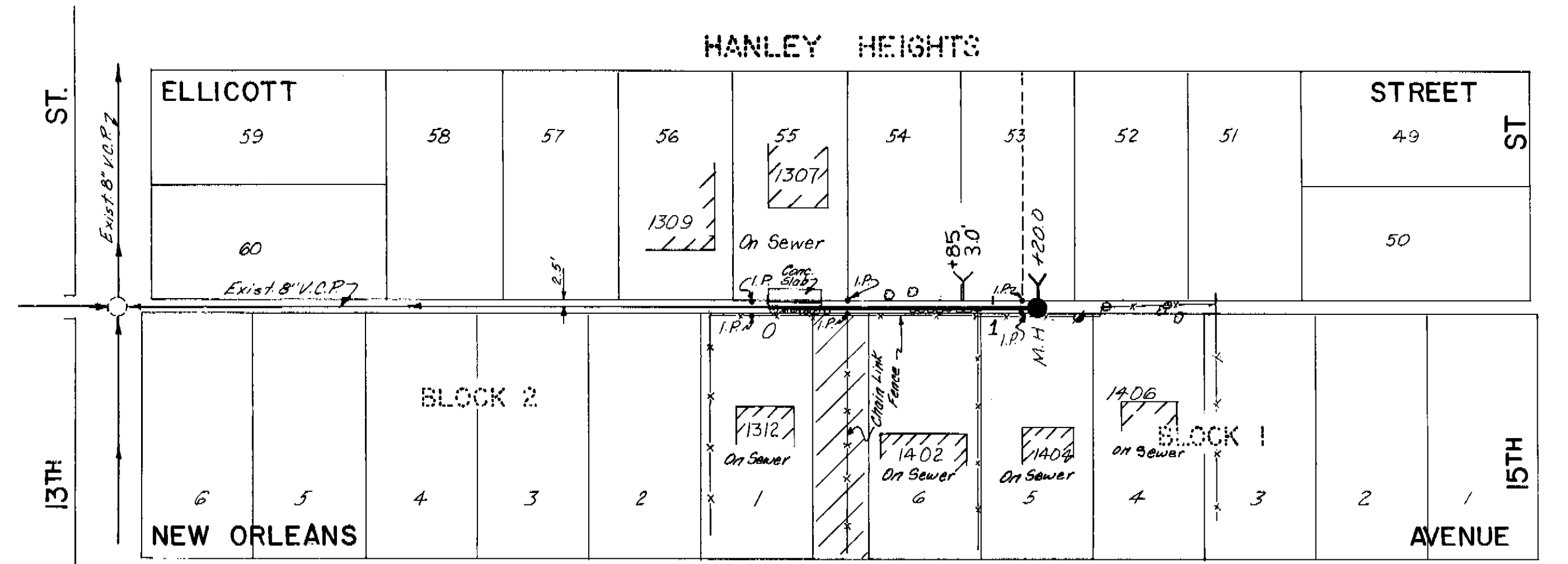
B.M. A-273 Elev. 17.226  
on E. curb Henderson Blvd.  
100' N. of Watrous Ave.

PLAN

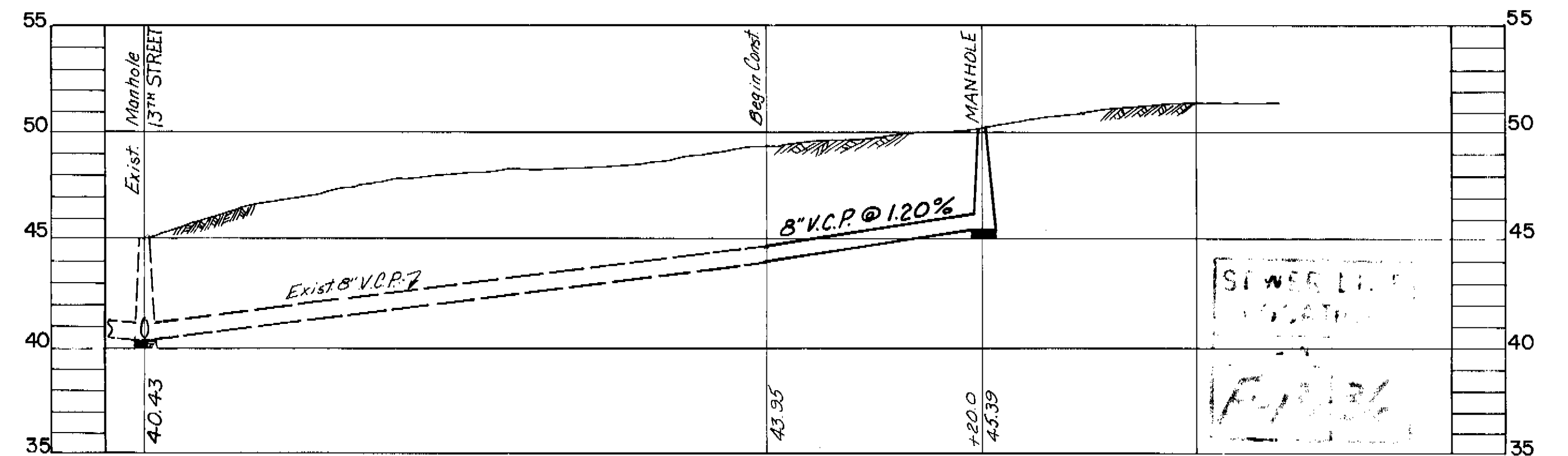
J-9-34



PROFILE  
W.O. 2283

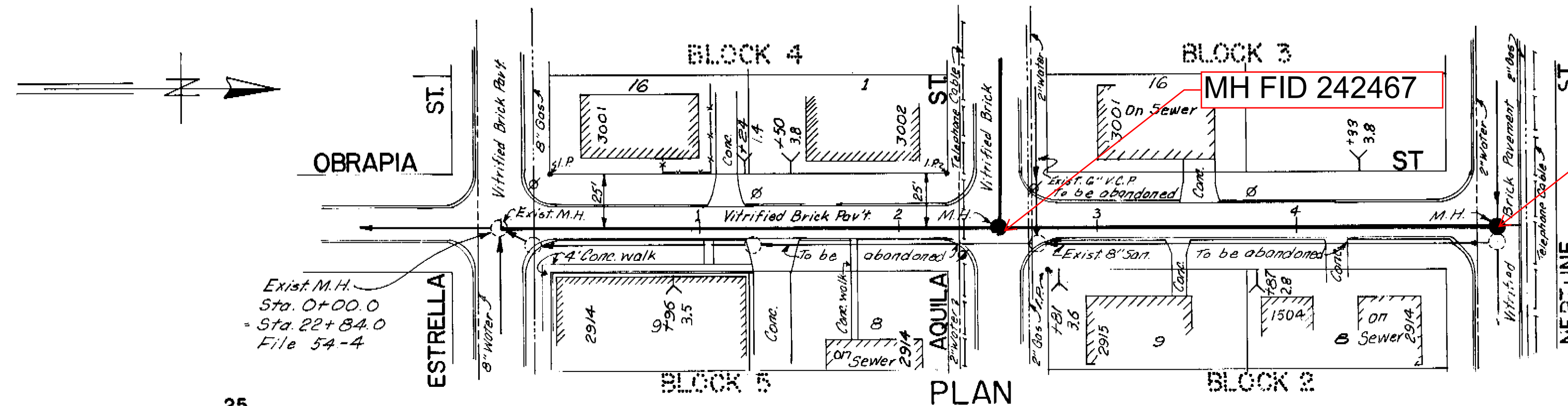


HANLEY HEIGHTS  
PLAN

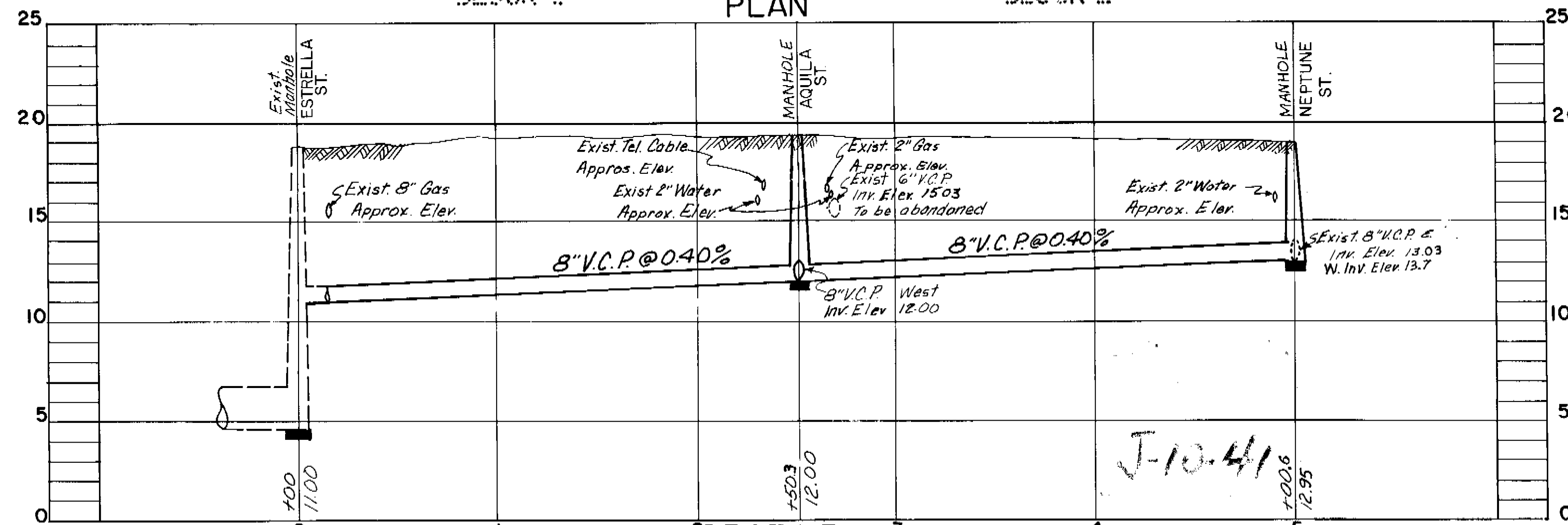


PROFILE  
W.O. 2356

T.B.M. Elev. 50.25  
Nail in power pole at  
N.E. corner of E. Wilder  
& N 13th St.



PLAN



PROFILE  
W.O. 2352

NOTE: Extend Exist. Hse. Conn., etc.  
B.M. T.P. Elev. 19.0+2  
Cut into top of curb in front of Res. 3008 Aquila St.

CITY OF TAMPA, FLORIDA  
RENEWAL & REPLACEMENT  
SEWER IMPROVEMENTS

HENDERSON BLVD. Church Ave. to 500' Northeast  
(FORCE MAIN)  
ALLEY North of New Orleans East from 13th St.  
OBRAPIA ST. Estrella St. to Neptune St.

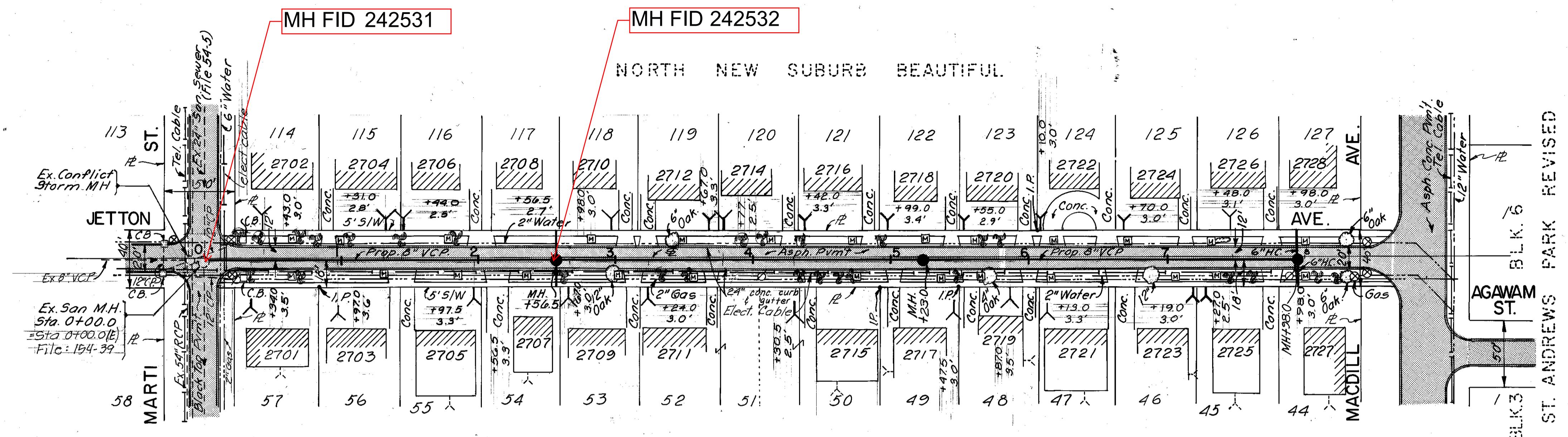
DES: JMR  
DRN: MGL  
CKD: EGS  
DATE  
FEB. 1972

SCALE  
50 0 50 100  
1" = 50'

SHEET  
OF



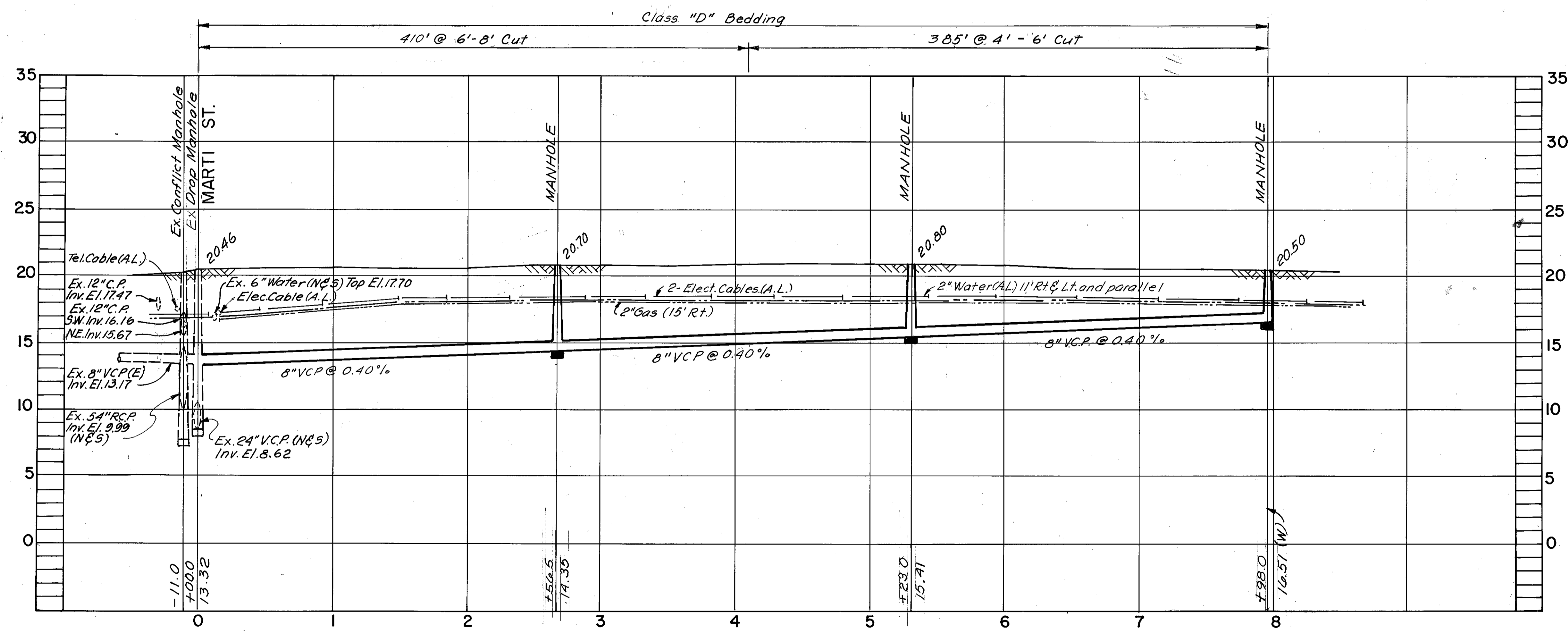




PLAN

B.M. Elev. 20.57  
 □ Cut in S/W N.W. Corner Marti St.  
 ○ Jetton Ave.

**AS BUILT**  
 NJM 8-83



PROFILE  
 PROJ NO 539

NOTES

- 1-All elevations are based on N.O.S. Datum unless otherwise noted.
- 2-Location of existing underground utilities have been 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 prior to beginning construction.
- 3-New House Connections are representative only. Required location and depth will be coordinated with the homeowner at the time of construction.
- 4-Replace Pavement full width with Asph. Conc. Type 5-1
- 5-Ex Sanitary Sewer line in alley south of Morrison Ave to be abandoned after construction of new San. Sewer in Jetton Ave, and after H.C. for lots # 24, 42, & 43 are relocated to 24" San. Sewer line in Morrison Ave.

W O 5473

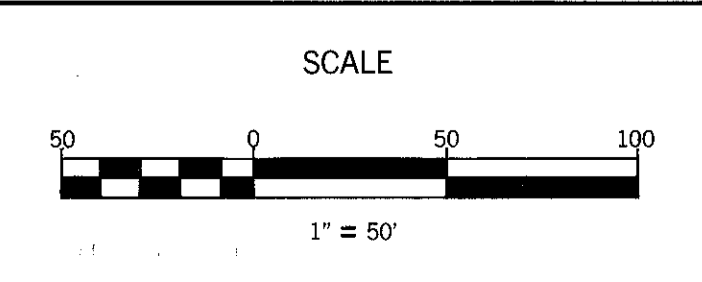
J-10

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

DES: E. R.  
 DRN: E. R. /cs  
 CKD: *ATC*  
 DATE: 3 - 81.

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

NO	DATE	REVISIONS
1		
2		
3		
4		
5		

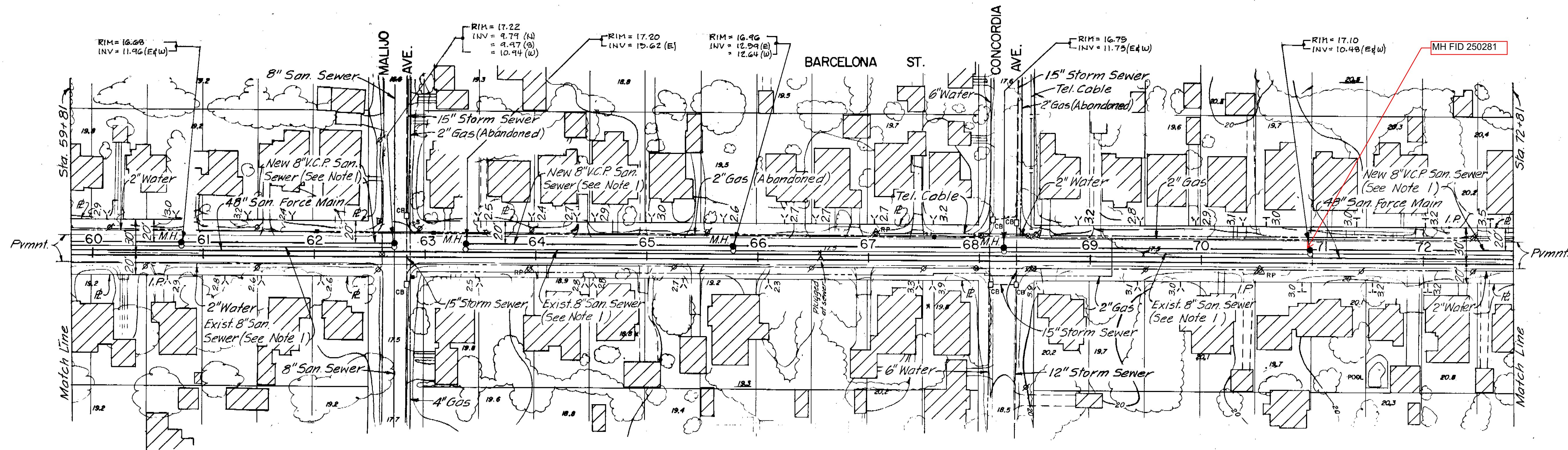


DEPARTMENT of SANITARY SEWERS  
 CITY of TAMPA, FLORIDA  
 RENEWAL & REPLACEMENT  
 SEWER IMPROVEMENTS

JETTON AVE.: From Marti St. to  
 MacDill Ave.

SHEET  
 OF

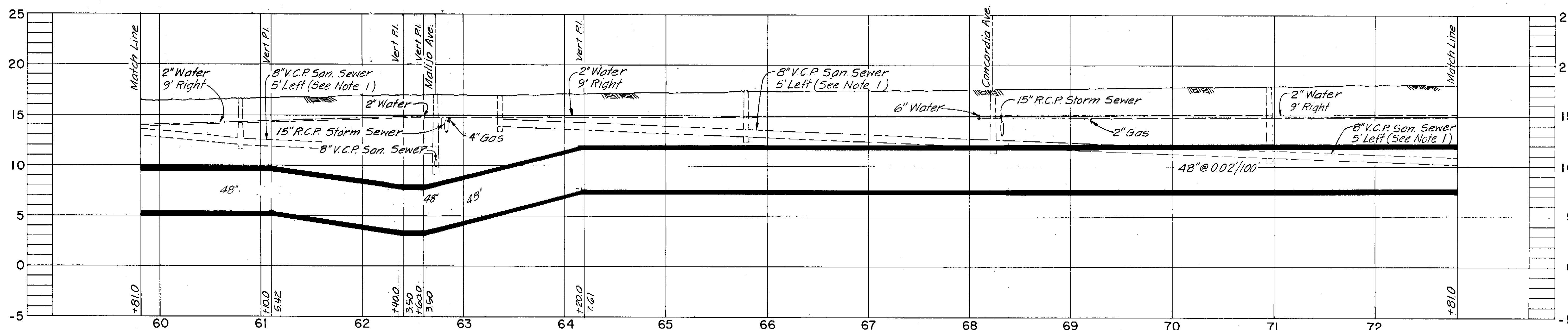
166-5



PLAN

**AS BUILT**

Existing Pavement: Red Brick on Stabilized Sand Base



PROFILE

NOTE:

- Contractor shall remove existing 8" sanitary sewer and manholes from Sta. 59+81 to Sta. 62+73 and from Sta. 63+37 to Sta. 72+81 to permit construction of new force main. Contractor shall construct new 8" V.C.P. replacement sewer and manholes 10' north of new force main at the same elevations as the existing

sewer. Contractor shall connect sewers in Malijo Ave. to the new manhole. All existing house laterals shall be reconnected to the new sewer. Sanitary sewer service shall be maintained throughout construction.

COMPILED BY PHOTOGRAMMETRIC METHODS  
**ABRAMS AERIAL SURVEY CORPORATION**  
 LANSING, MICHIGAN  
 DATE OF PHOTOGRAPHY OCTOBER 1970 DATE OF MAPPING FEBRUARY 1971  
**GREELEY AND HANSEN ENGINEERS**  
 14 E. JACKSON BOULEVARD  
 CHICAGO, ILLINOIS 60604

RP REFERENCE POINT  
 THESE SELECTED POINTS ARE PLOTTED WITH EXTREME CARE AND ARE RECOMMENDED AS BENCH TIES DURING CONSTRUCTION.  
 DESIGNED JRT, RAK, TLW  
 DRAWN AA  
 CHECKED TLW  
 APPROVED \_\_\_\_\_  
 DATE \_\_\_\_\_  
 SUPT., DEPT. OF SANITARY SEWERS  
 DATE \_\_\_\_\_  
 GREELEY AND HANSEN, ENGINEERS

NO.	DATE	APP.	REVISION
10/29/79	TLW		Add Note 1
10/31/79	TLW		Rev. Title & Sheet Number
8/15/79	TLW		Relocate Ex. San. Sewers 59+81 to 72+81
8/15/79	TLW		Rev. Vert. Align. Sta. 59+81 to 63+77
8/15/79	TLW		Rev. Horiz. Align. Sta. 59+81 to 72+81

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

CITY OF TAMPA, FLORIDA  
 SEWAGE DISPOSAL SYSTEM  
**INTERBAY FORCE MAIN**  
 DIVISION 4F5A  
**PLAN AND PROFILE**  
 STA. 59+81 TO STA. 72+81

PROJ. NO. S202-70-30 D 4F5A  
 SHEET 11 OF 34  
 DATE JAN. 1973 REV. 5

172-12

