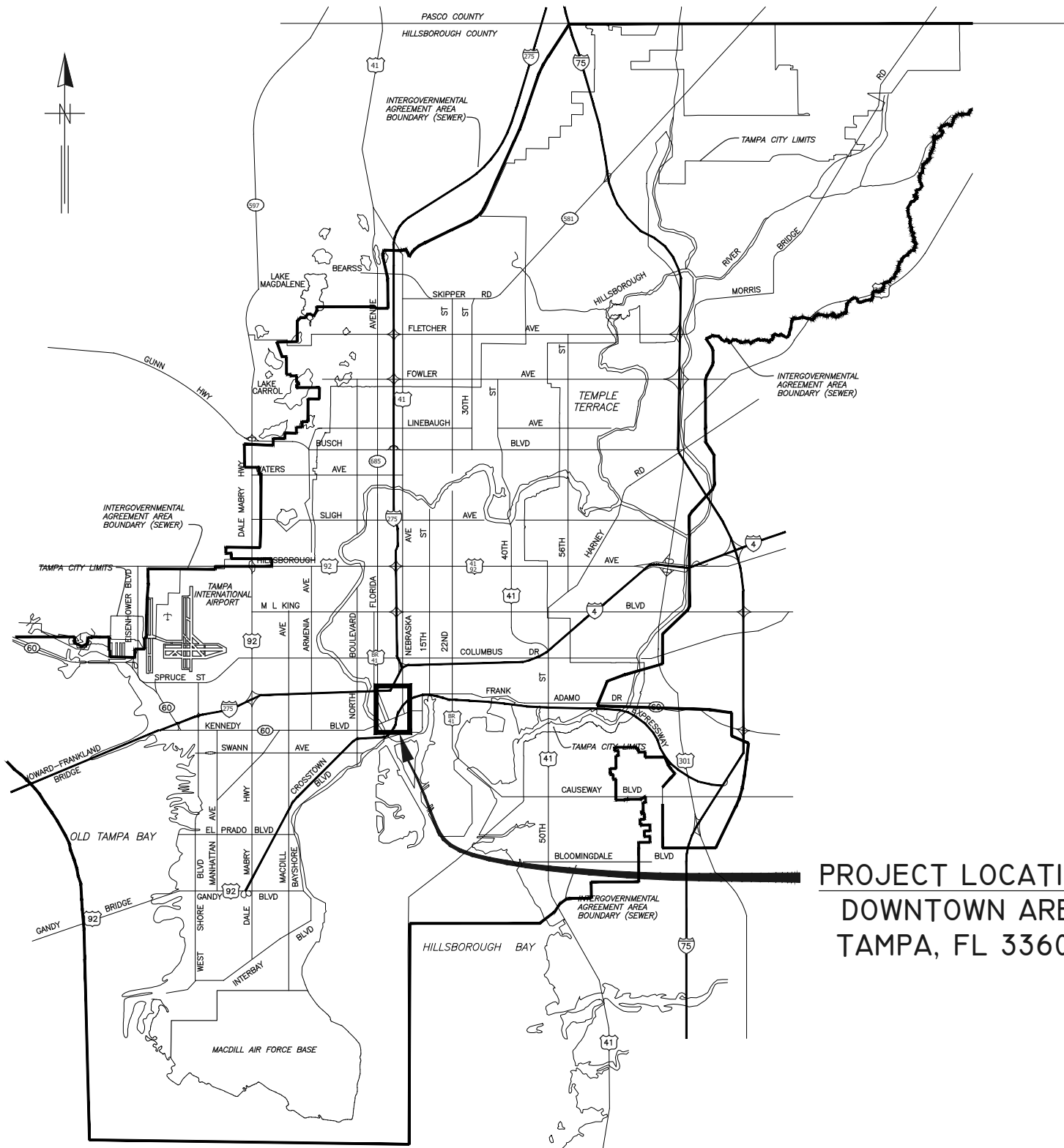


User: ssh5 Drawing Name: K:\Wastewater Projects\Downtown Wastewater Gravity Pipeline Rehabilitation by CIPP Lining\Drafting\DWG\key.dwg Layout: May 25, 2022 - 2:31pm

LOCATION MAP



PROJECT LOCATION  
DOWNTOWN AREA  
TAMPA, FL 33602

# CITY of TAMPA



## WASTEWATER DEPARTMENT ENGINEERING DIVISION

### PLANS FOR DOWNTOWN WASTEWATER GRAVITY PIPELINE REHABILITATION BY CIPP LINING

CONTRACT#  
21-C-00040

**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	Downtown Wastewater Gravity Pipeline Rehabilitation By CIPP Lining	SHEET <b>1</b>
	1			DRN:	GP			
	2			CKD:				
	3			DATE:				

GENERAL NOTES

1. THE SCOPE OF THIS PROJECT SHALL CONSIST OF REHABILITATION OF 8", 10", 12", 15", 18", 20" 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 18-52 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 HARNESSSES, 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	KEY
4 - 15	AREA MAPS
16	MANHOLE DETAIL
17	MANHOLE DETAILS
18-52	WASTEWATER RECORD DRAWINGS FOR REFERENCE

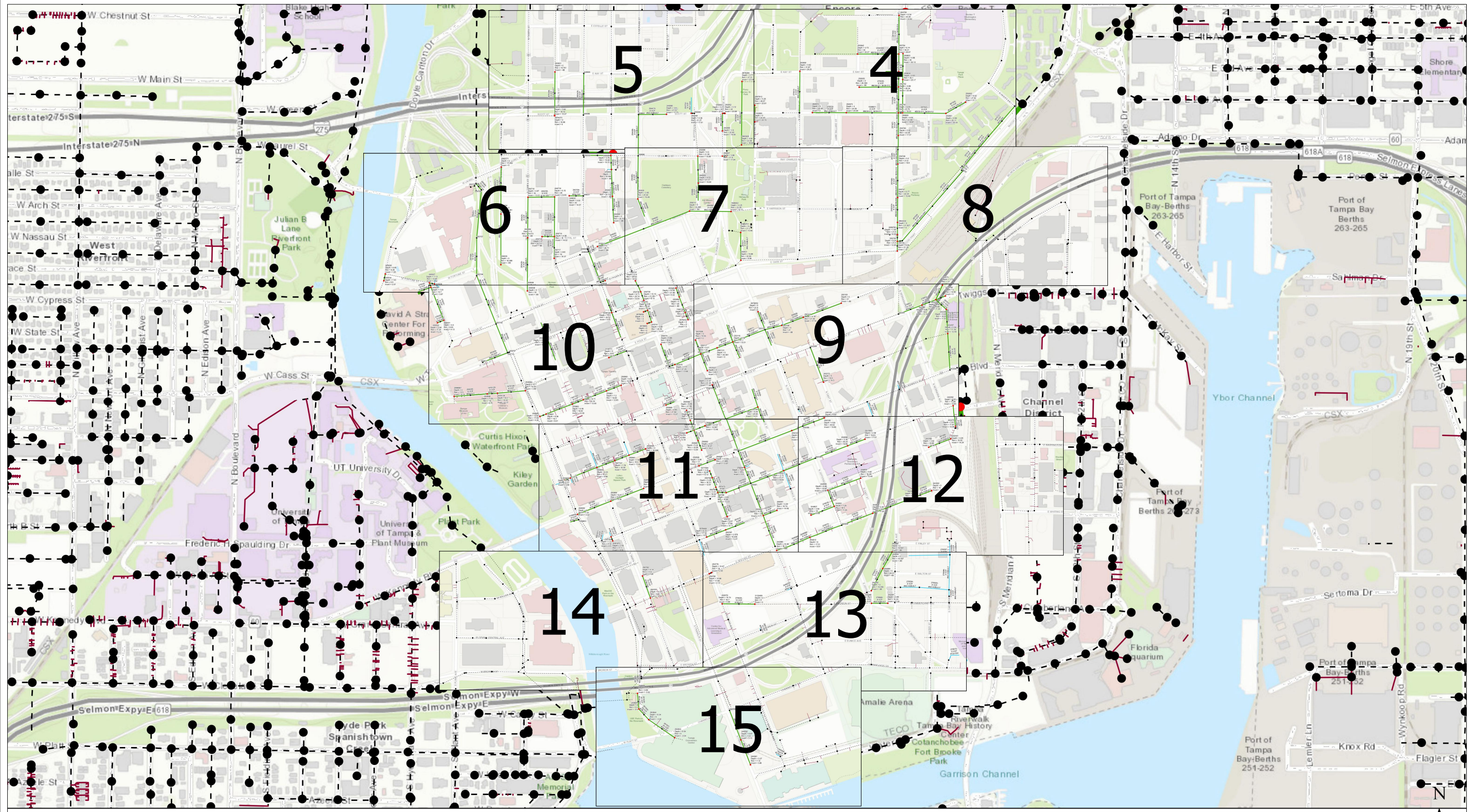
PROPOSED MANHOLE COATING SYSTEM THICKNESS	
Location	Coating System
Manhole Barrel	250 MILS (MIN)
Manhole Benches	250 MILS (MIN)

\*\* 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.

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Layout- May 25, 2022 - 2:31pm CTB - MONO - RED-GREEN.CTB TOSHIBA\_UNL\_COLOR (NORTH WING)

JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	#	DATE	REVISIONS	DES:	CB	CITY of TAMPA WASTEWATER DEPARTMENT	Downtown Wastewater Gravity Pipeline Rehabilitation By CIPP Lining	SHEET
	1			DRN:	GP		NOTES	
	2			CKD:				
	3			DATE:			2	

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 Layout: May 25, 2022 - 2:31pm CTB - MONO - RED-GREEN-CTB TOSHIBA\_UNL\_COLOR (NORTH WING)



**Legend**

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



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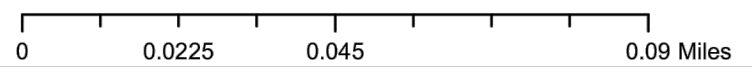
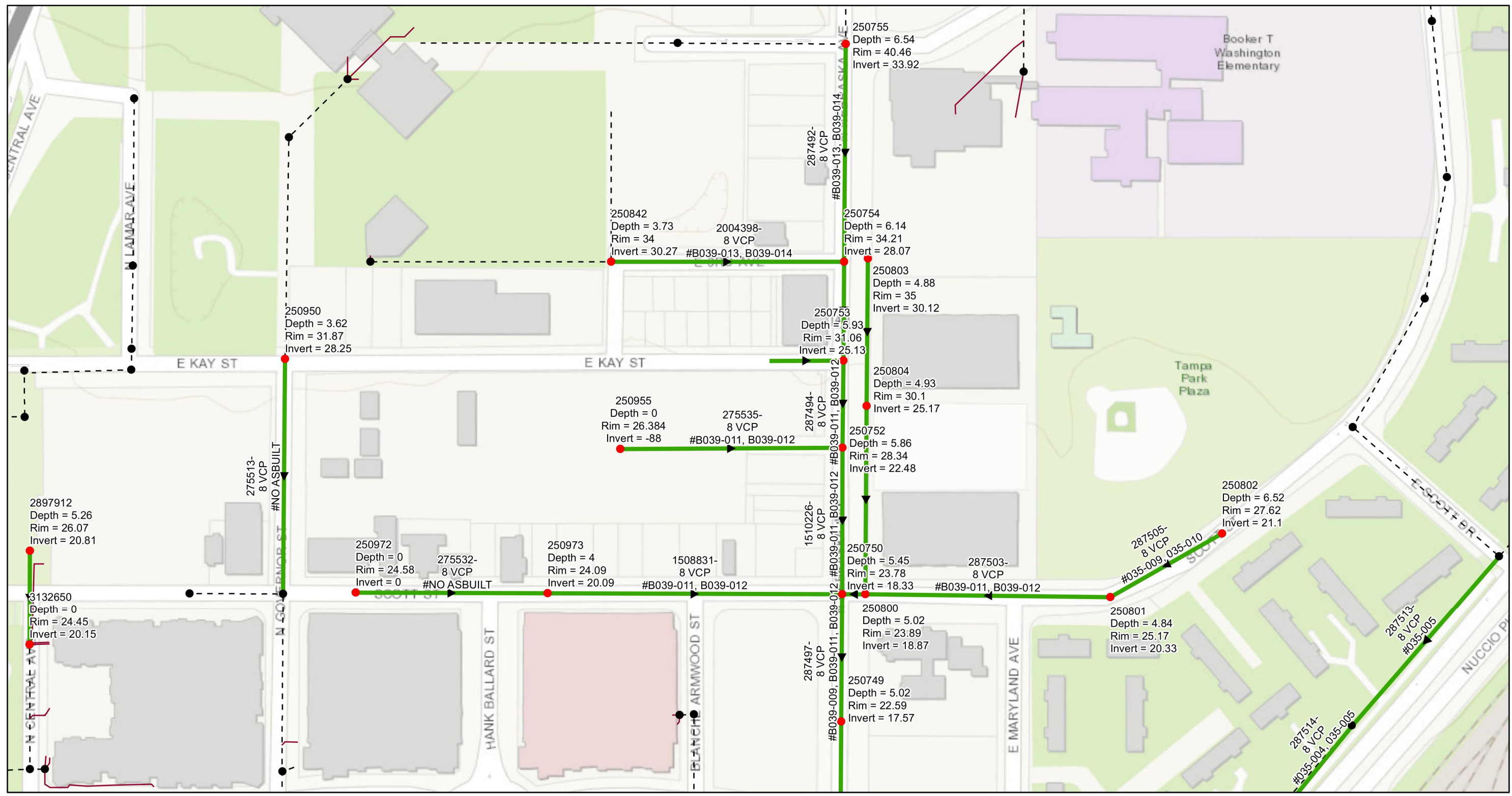
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Downtown Wastewater Gravity Pipeline Rehabilitation By CIPP Lining  
KEY

SHEET  
**3**

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 Layout: Apr 21, 2022 - 2:39pm CTB - MONO - RED-GREEN-CTB TOSHIBA\_UNL\_COLOR (NORTH WING)



**Legend**

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- Proposed Manhole Rehabilitation
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- Proposed Lining Area



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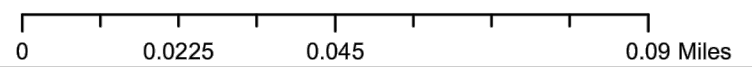
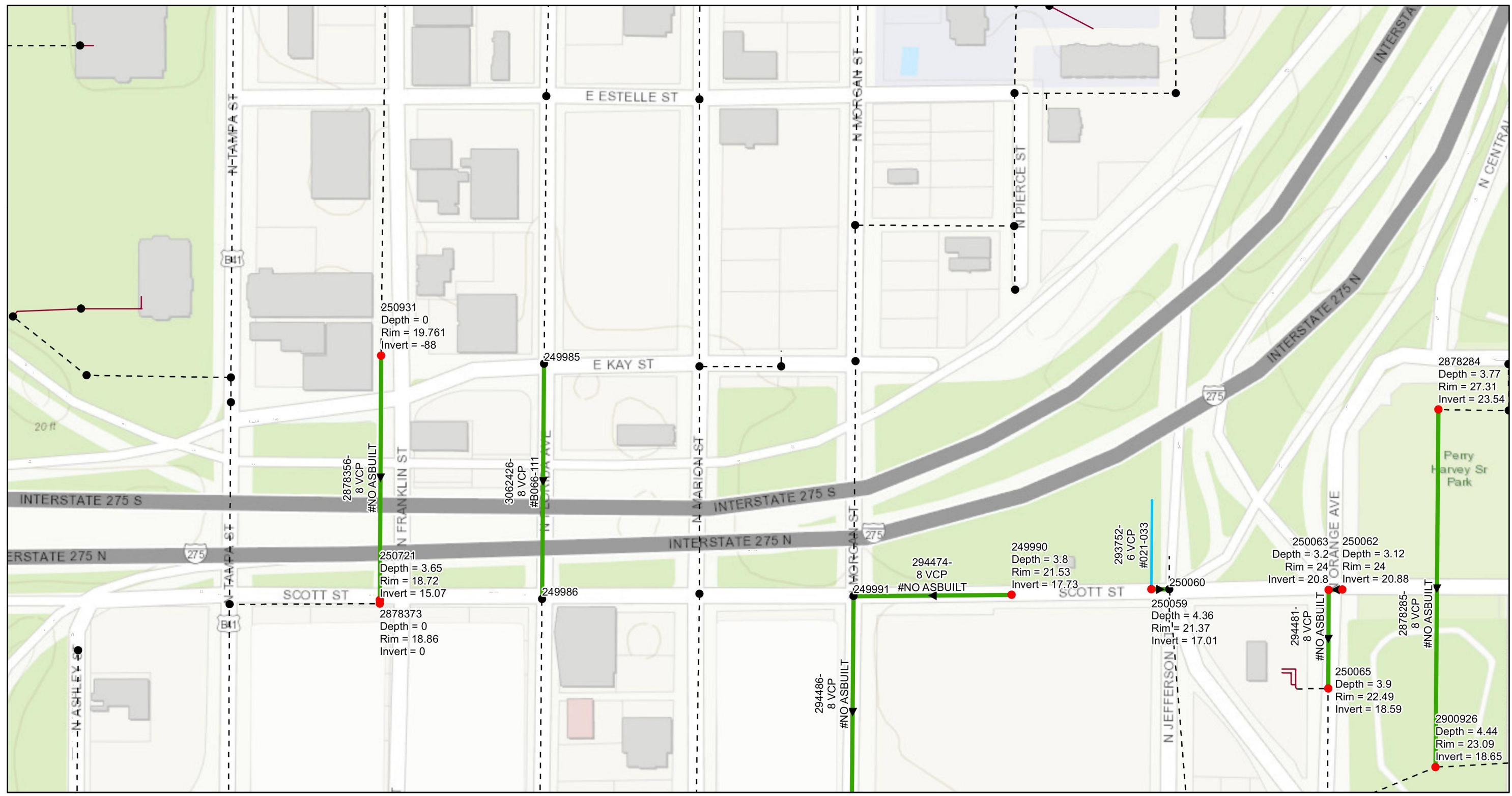
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Downtown Wastewater Gravity Pipeline Rehabilitation By CIPP Lining  
 AREA MAP 01

SHEET  
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**Legend**

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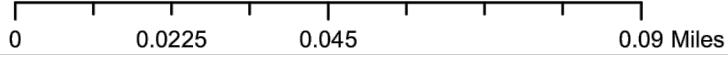
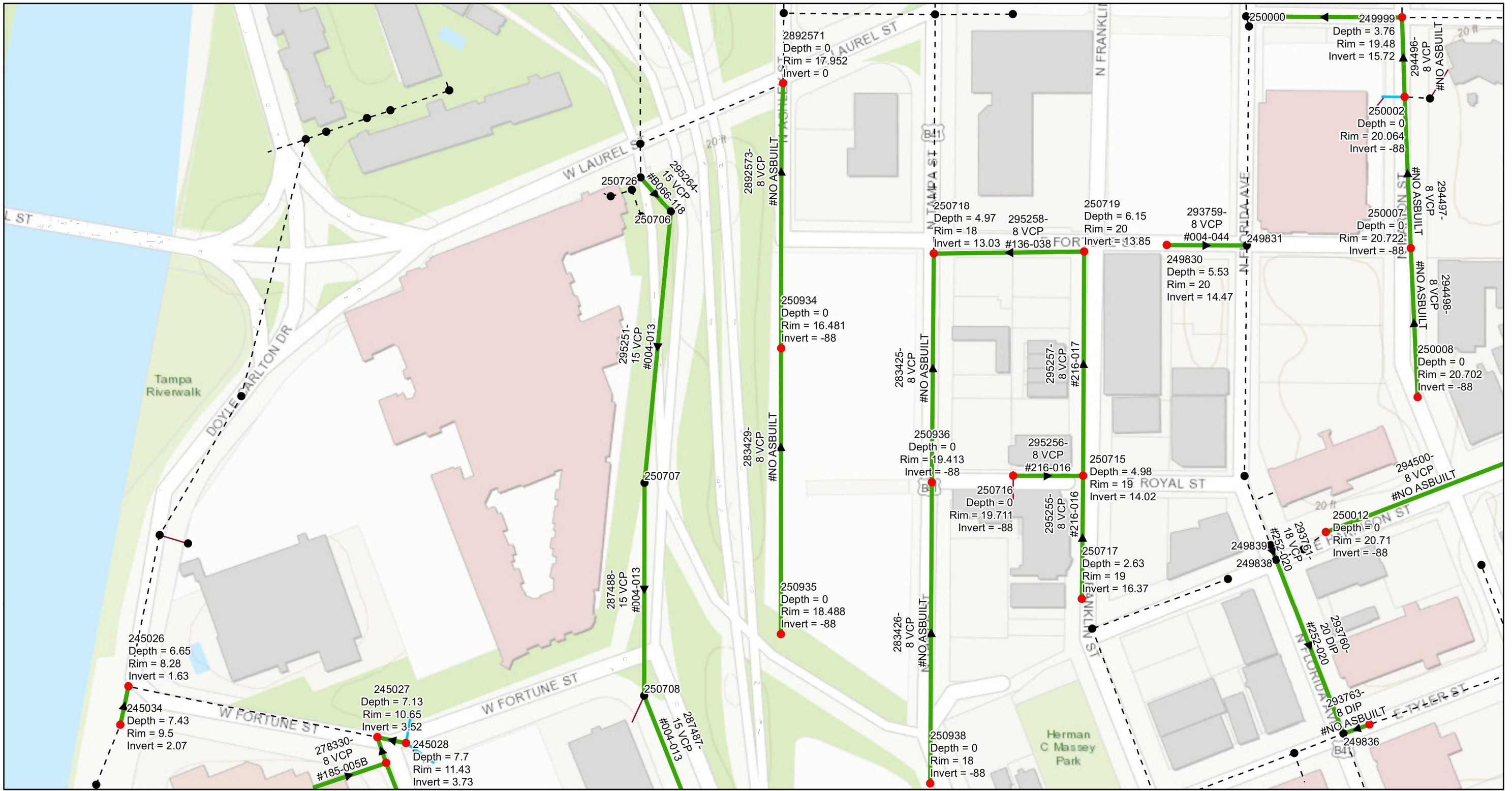
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Downtown Wastewater Gravity Pipeline Rehabilitation By CIPP Lining  
 AREA MAP 02

SHEET  
**5**



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



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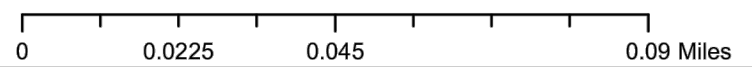
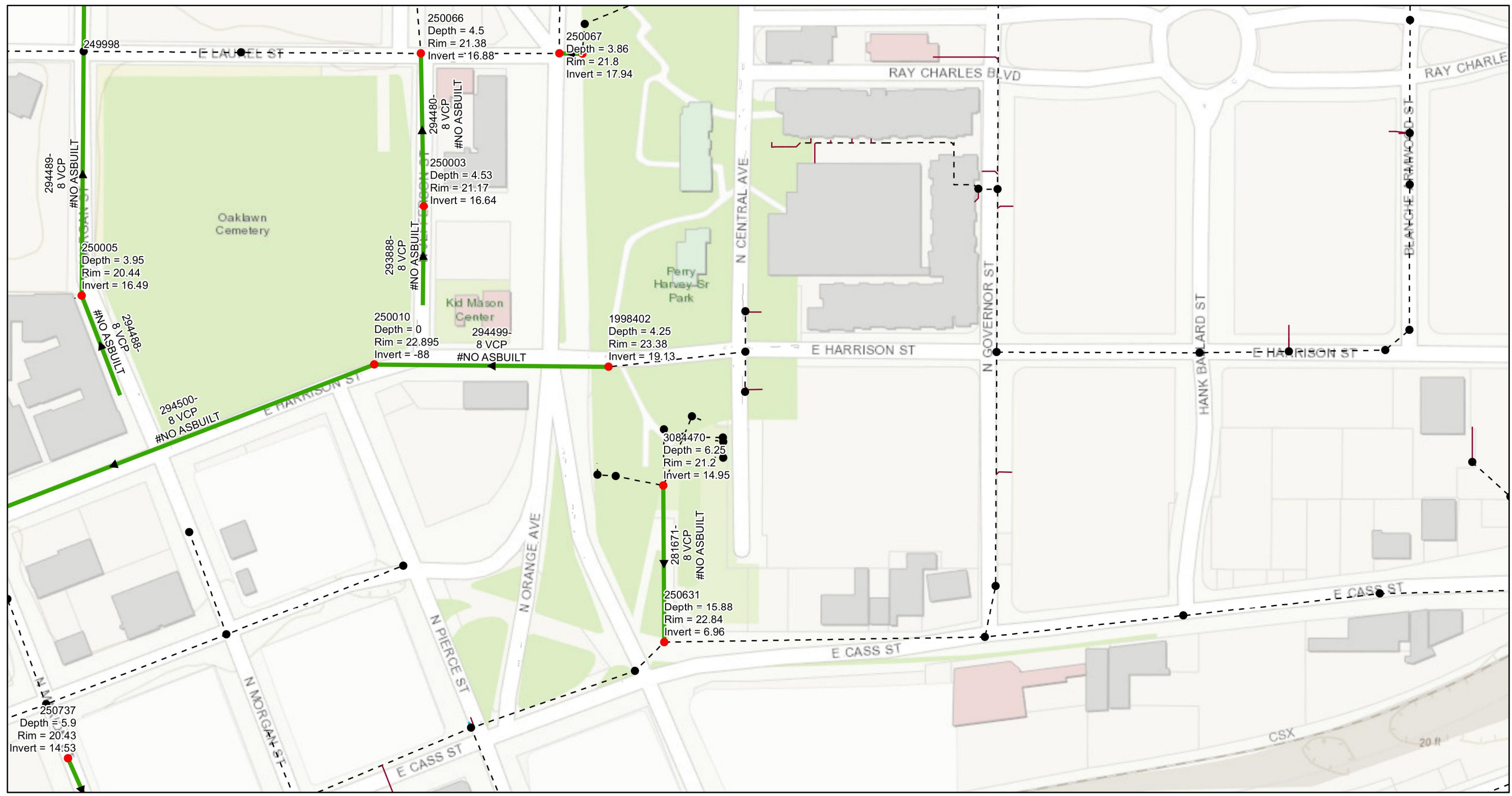
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Downtown Wastewater Gravity Pipeline Rehabilitation by CIPP Lining  
AREA MAP 03

SHEET  
**6**

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



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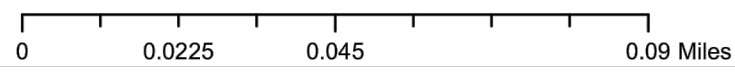
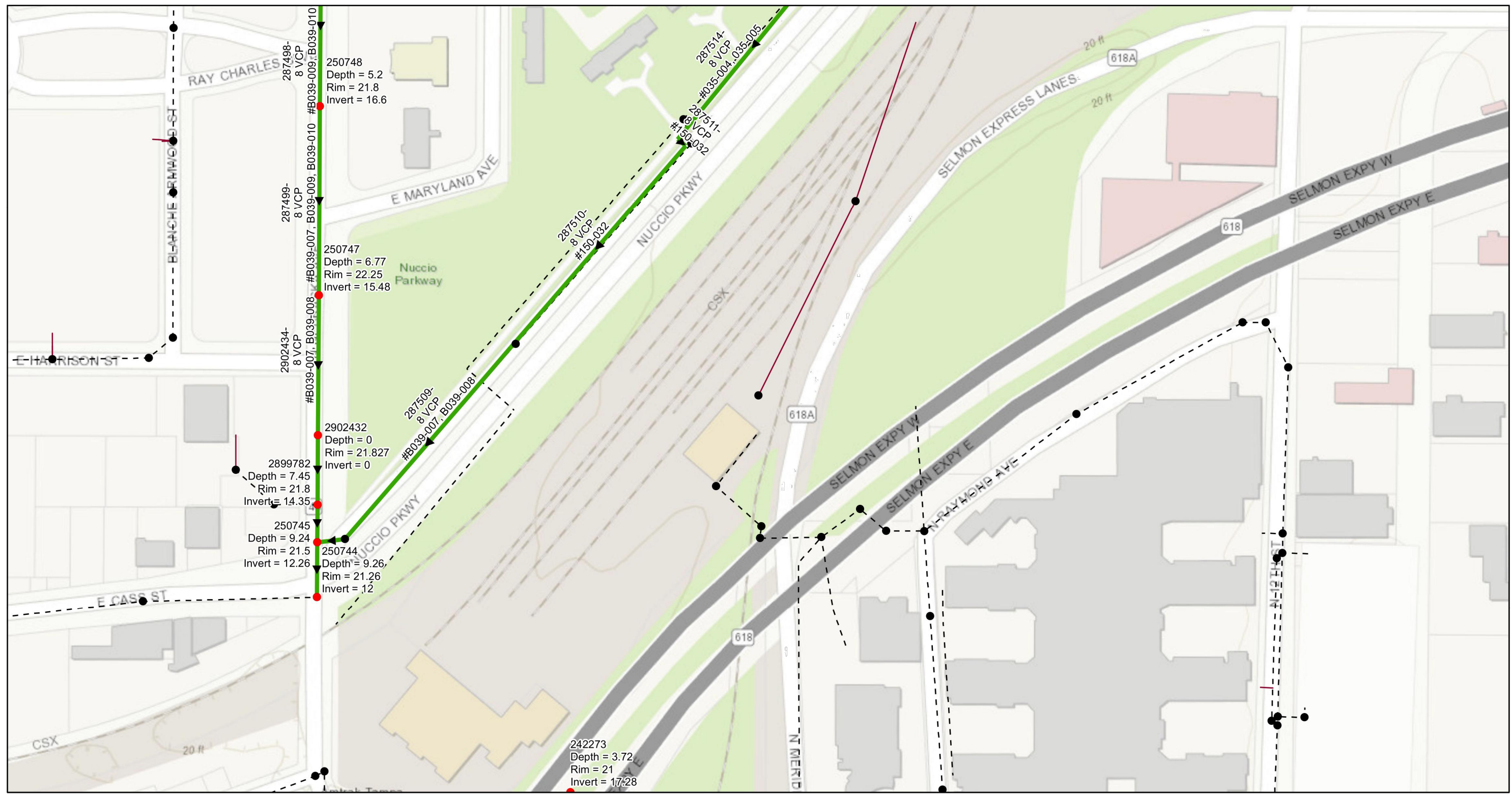
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Downtown Wastewater Gravity Pipeline Rehabilitation By CIPP Lining  
 AREA MAP 04

SHEET  
 7

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



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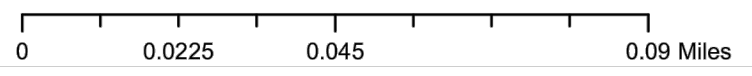
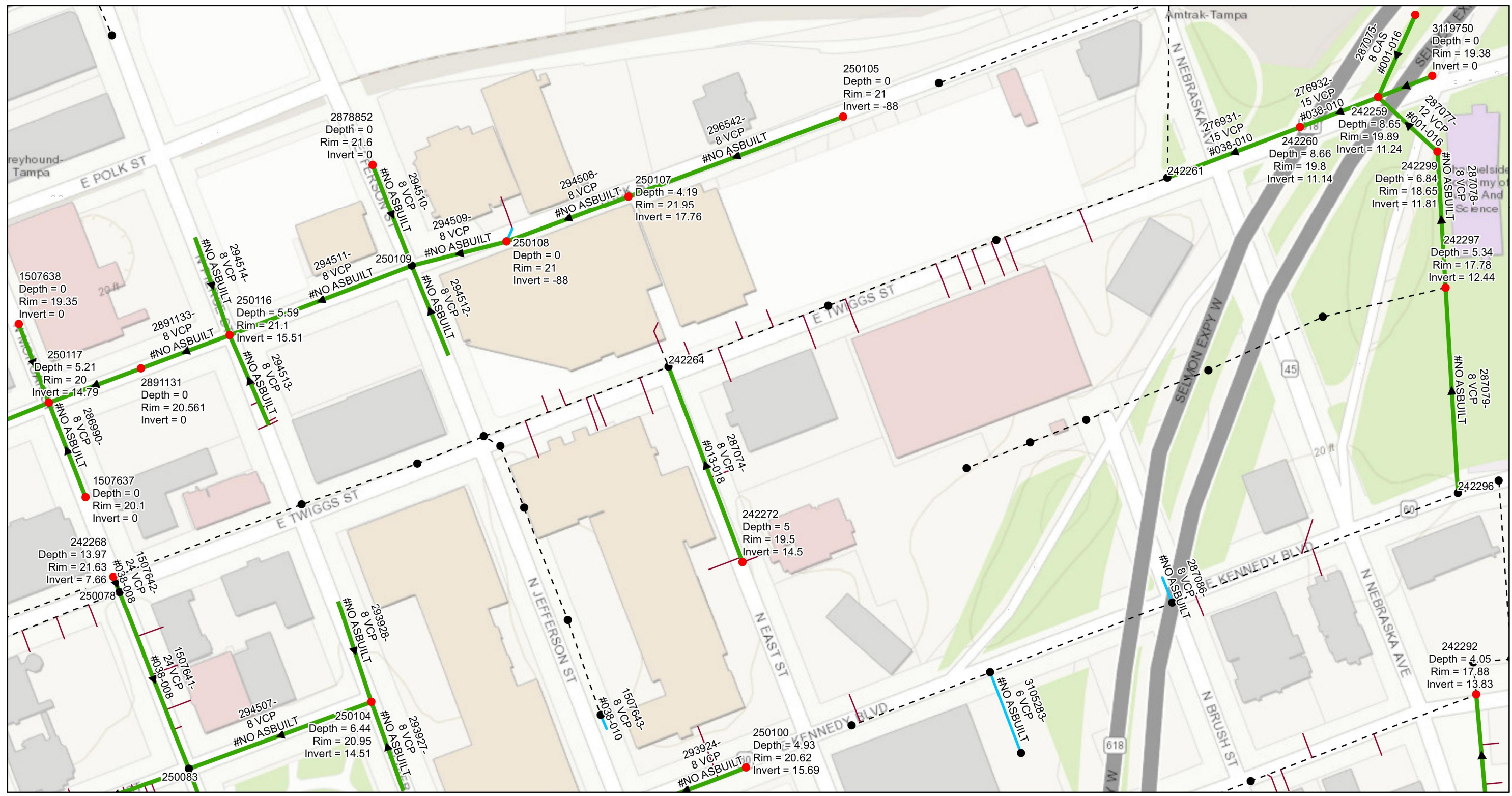
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Downtown Wastewater Gravity Pipeline Rehabilitation By CIPP Lining  
 AREA MAP 05

SHEET  
**8**



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● Ex Manhole (no rehabilitation required)	--- Ex Wastewater (no rehabilitation required)
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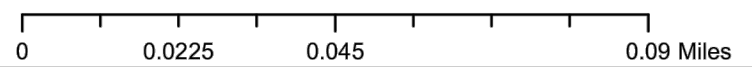
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Downtown Wastewater Gravity Pipeline Rehabilitation By CIPP Lining  
 AREA MAP 06

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 9

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



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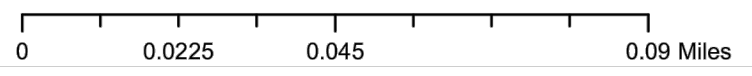
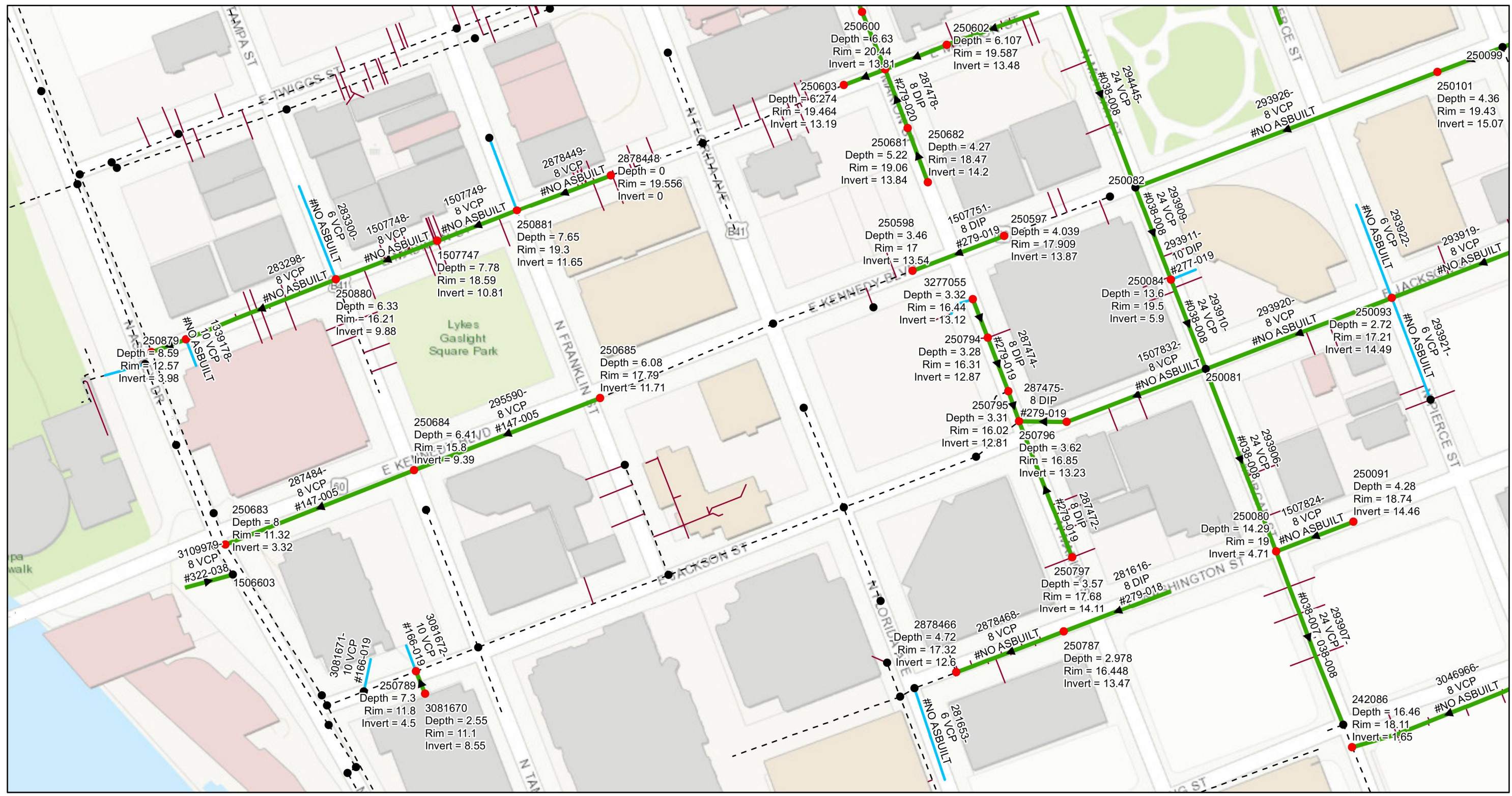
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Downtown Wastewater Gravity Pipeline Rehabilitation by CIPP Lining  
AREA MAP 07

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**10**

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



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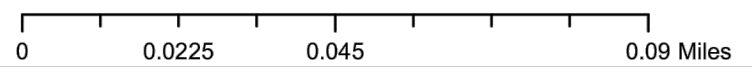
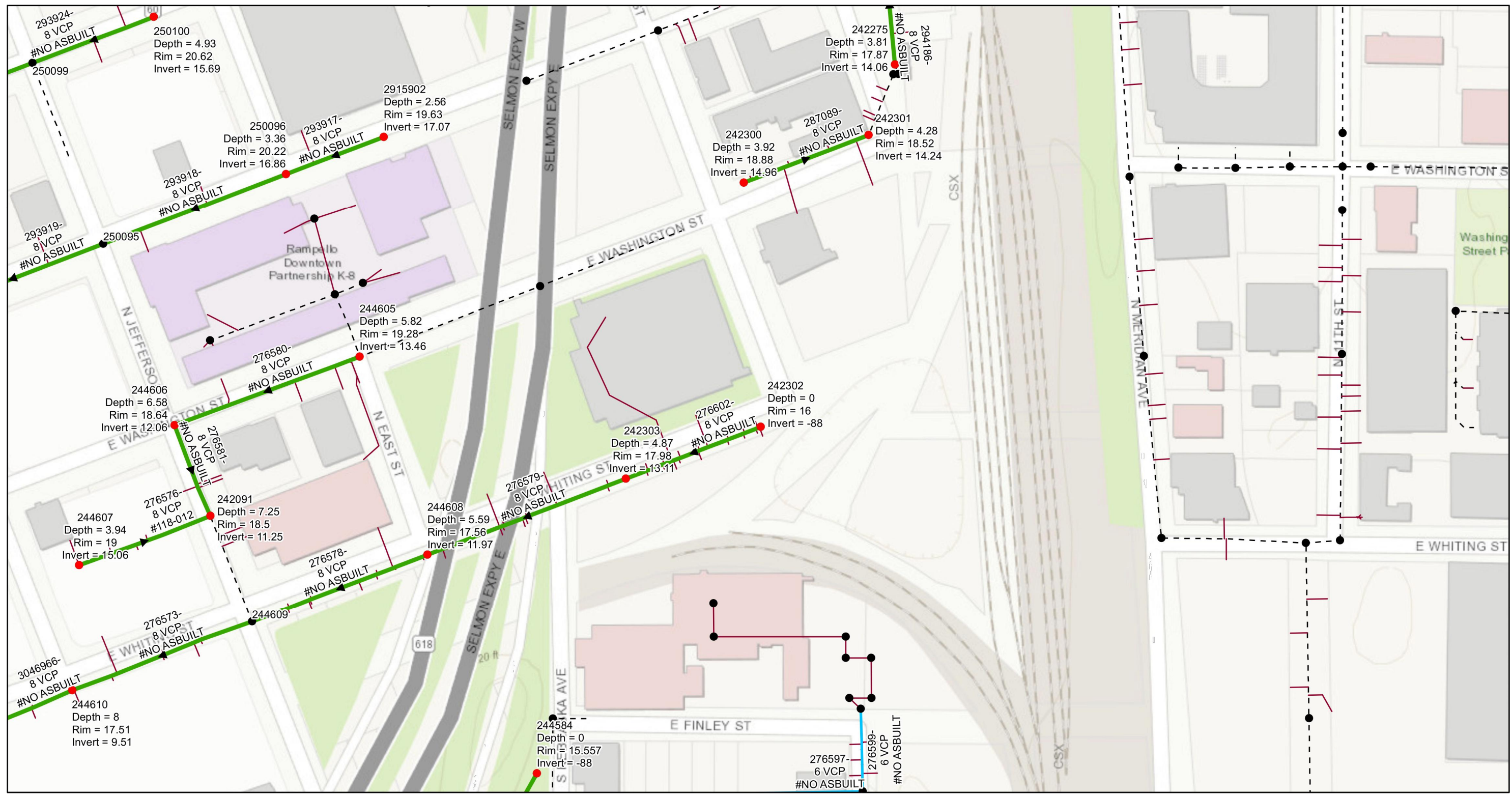
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 WASTEWATER DEPARTMENT

Downtown Wastewater Gravity Pipeline Rehabilitation by CIPP Lining  
 AREA MAP 08

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Legend	
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● Proposed Manhole Rehabilitation	→ Proposed Lining Area



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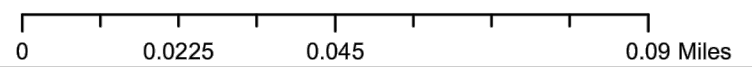
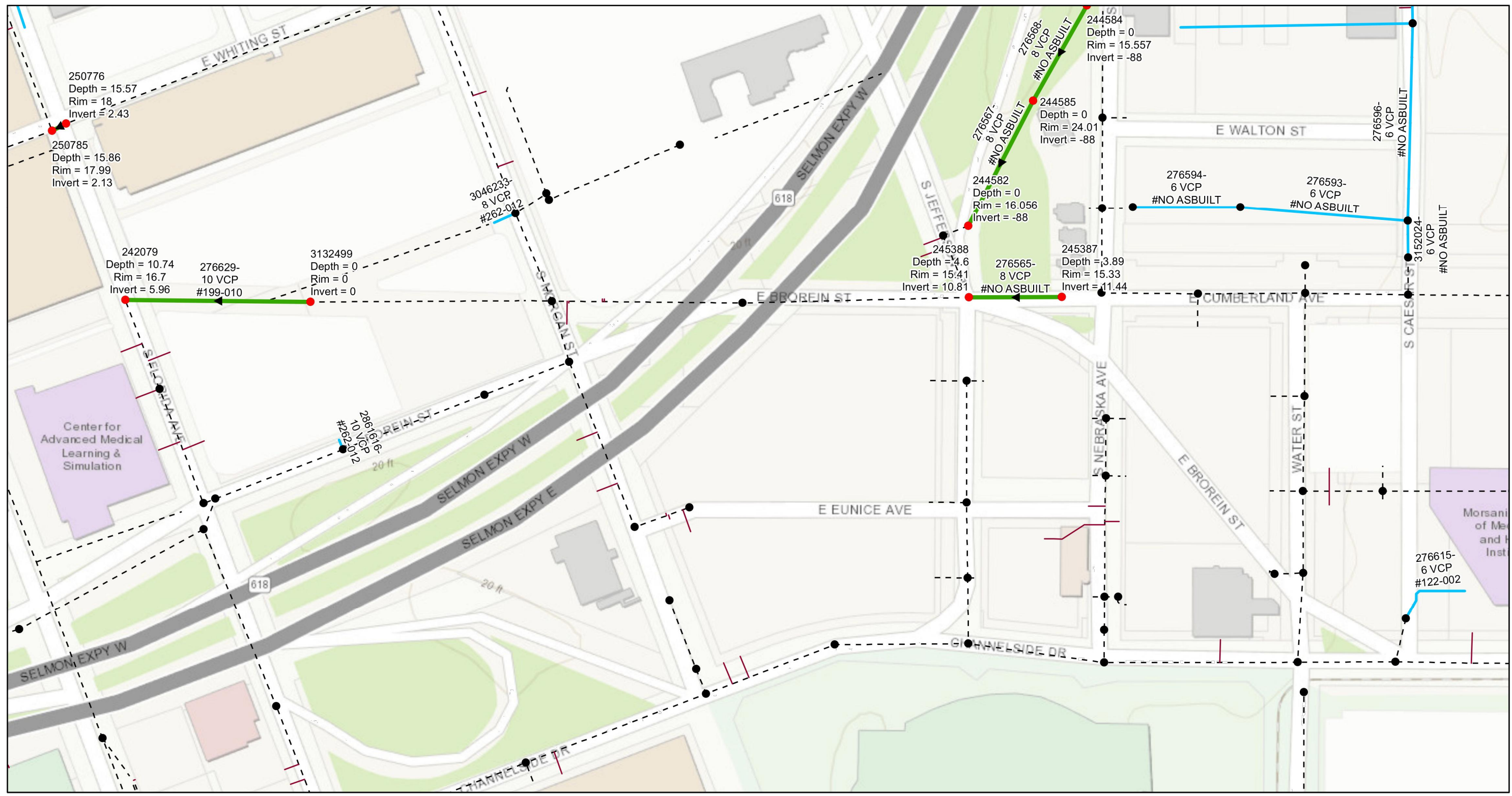
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CITY of TAMPA  
 WASTEWATER DEPARTMENT

Downtown Wastewater Gravity Pipeline Rehabilitation By CIPP Lining  
 AREA MAP 09

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 12

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- Legend**
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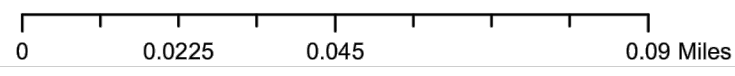
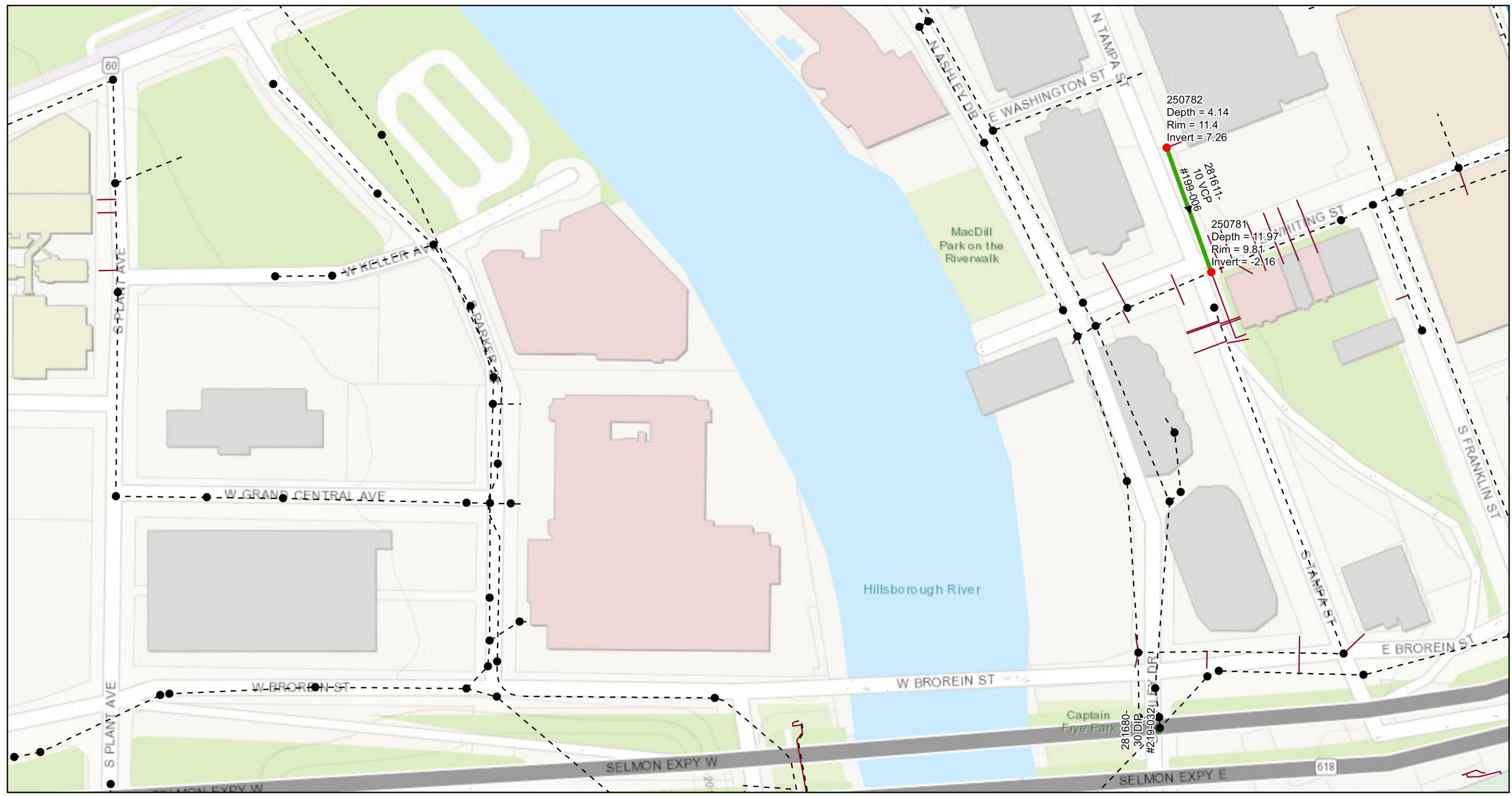
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 WASTEWATER DEPARTMENT

Downtown Wastewater Gravity Pipeline Rehabilitation By CIPP Lining  
 AREA MAP 10

SHEET  
**13**

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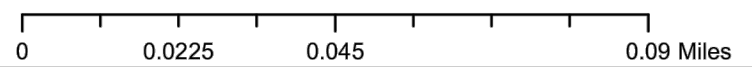
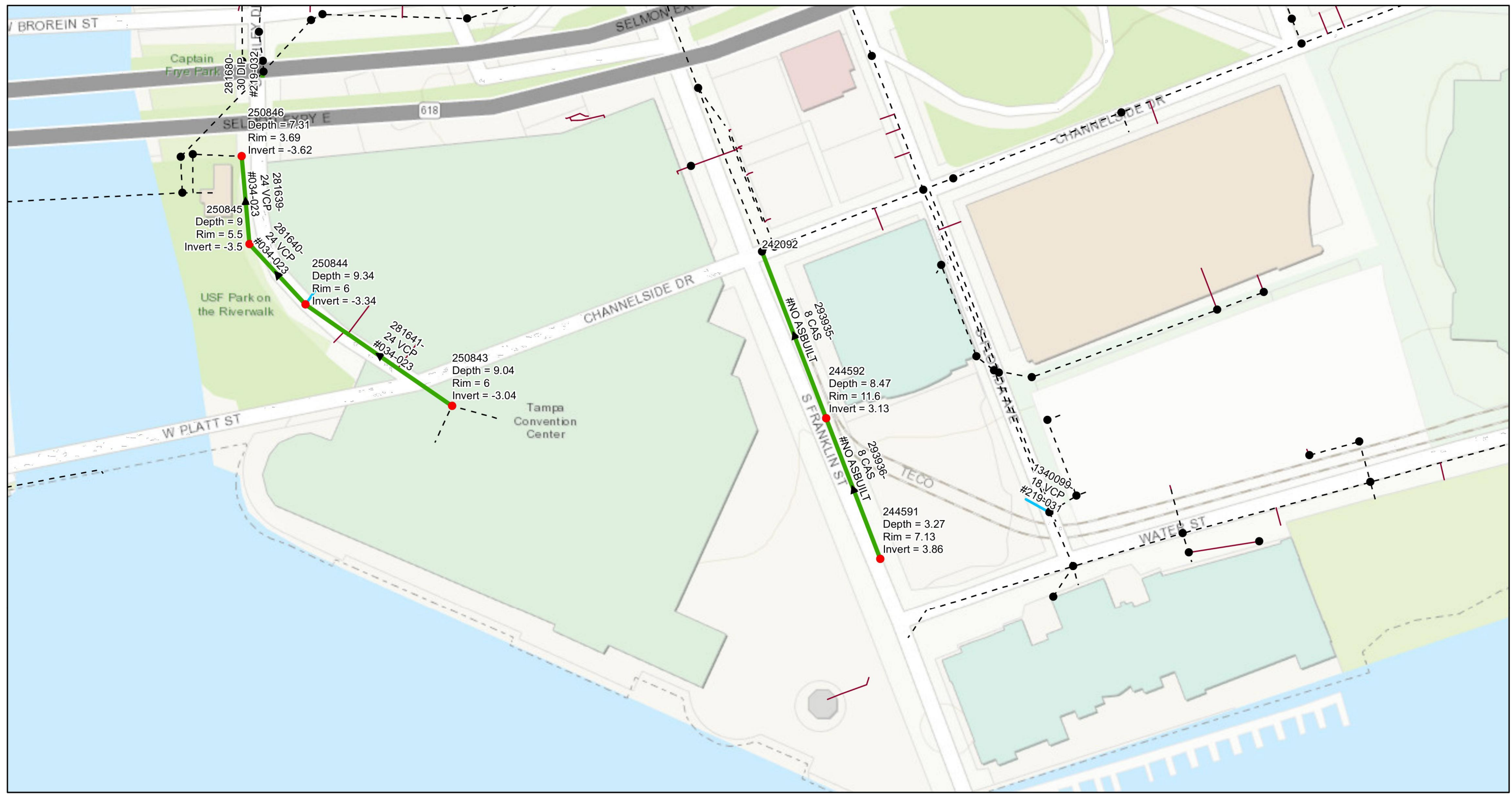
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 WASTEWATER DEPARTMENT

Downtown Wastewater Gravity Pipeline Rehabilitation By CIPP Lining  
 AREA MAP 11

**SHEET**  
**14**

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



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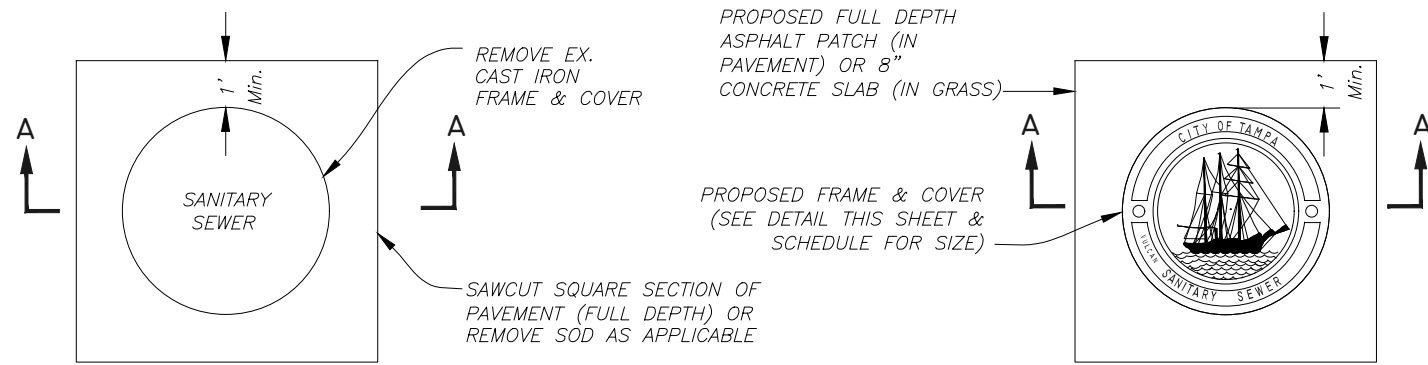
CITY of TAMPA  
 WASTEWATER DEPARTMENT

Downtown Wastewater Gravity Pipeline Rehabilitation By CIPP Lining  
 AREA MAP 12

SHEET  
 15

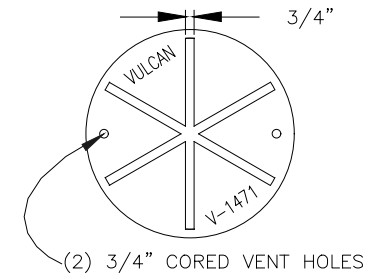
**NOTES**

- 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.

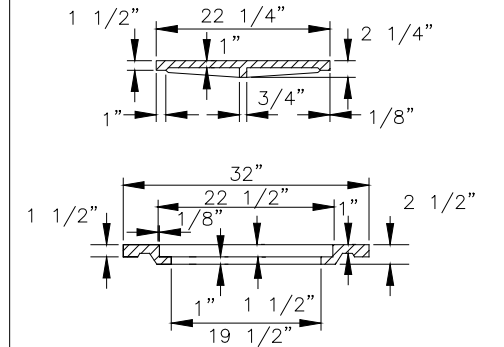


**PLAN**

**COVER SECTION**



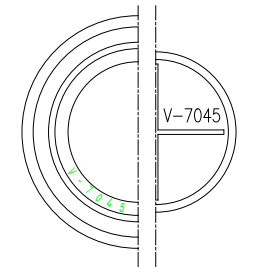
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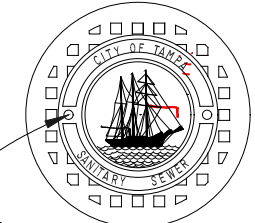
**INNER & OUTER COVER SECTIONS**



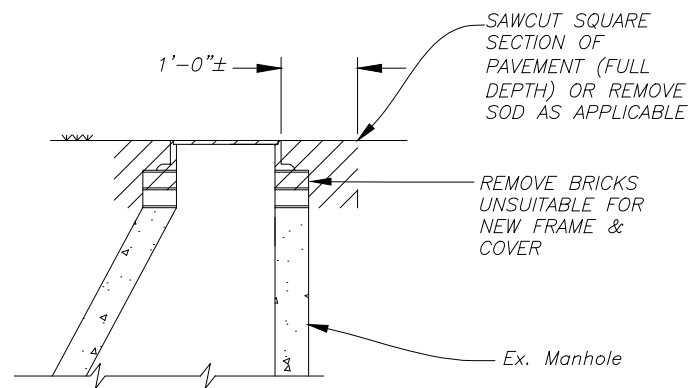
**COVER FACE**



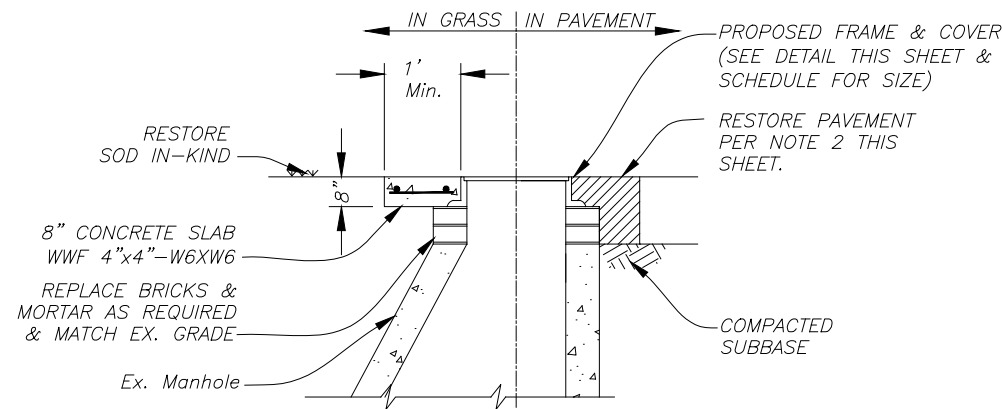
**COVER BACKS**



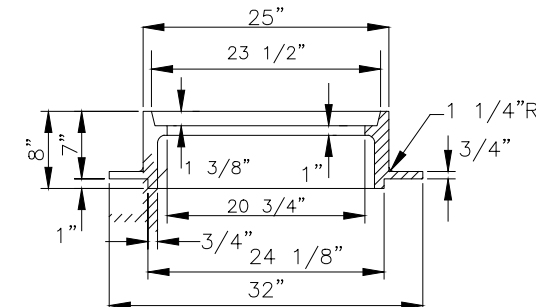
**COVER FACES**



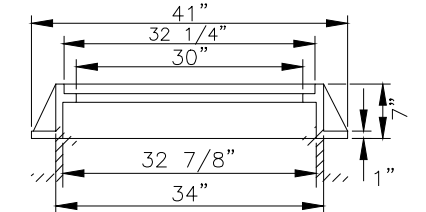
**SECTION A-A  
REMOVAL DETAIL**



**SECTION B-B  
REPLACEMENT  
DETAIL**



**FRAME SECTION**



**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

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**

#	DATE	REVISIONS	DES:	CB
1			DRN:	GP
2			CKD:	
3			DATE:	

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

**CITY of TAMPA**  
WASTEWATER DEPARTMENT

Downtown Wastewater Gravity Pipeline Rehabilitation By CIPP Lining

MANHOLE DETAIL

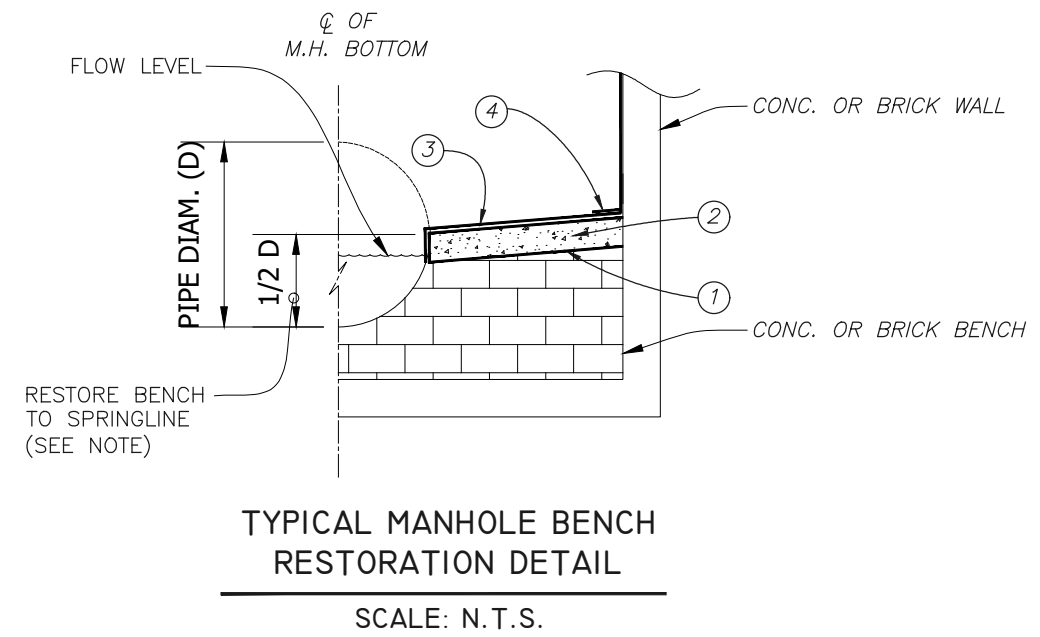
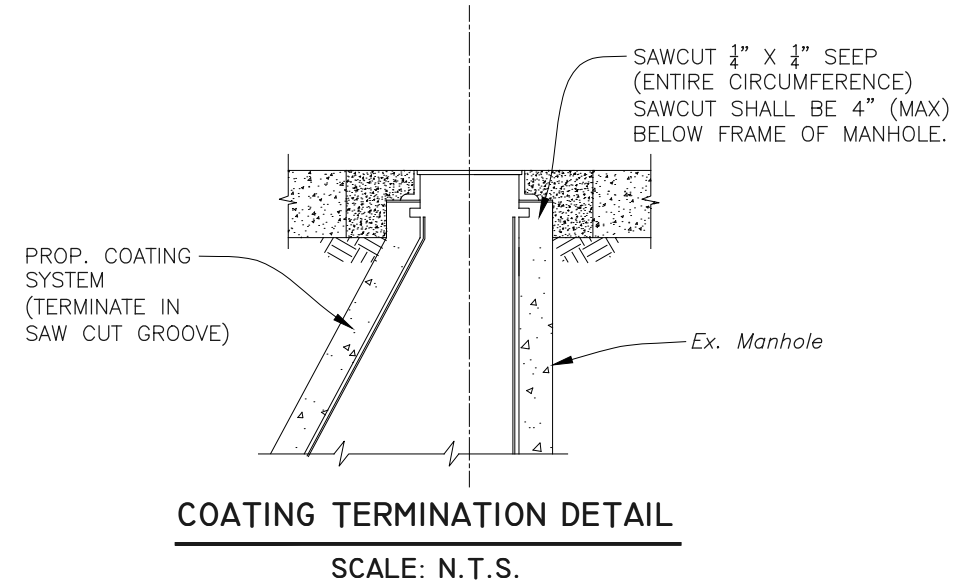
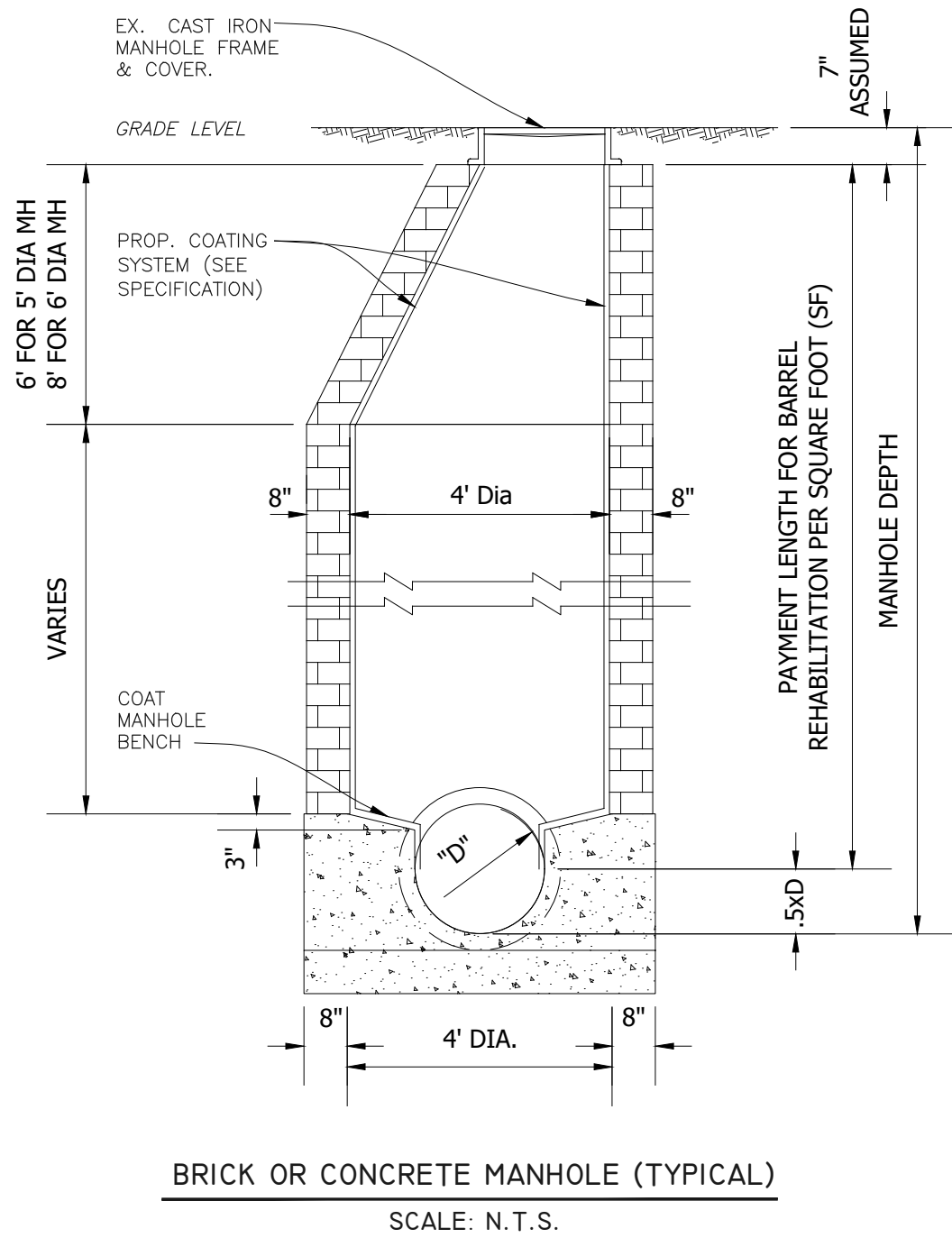
SHEET

16



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.



User: ssh5 Drawing Name: K:\Wastewater Projects\Downtown Wastewater Gravity Pipeline Rehabilitation by CIPP Lining\Drafting\DWG\key.dwg Layout: May 25, 2022 - 2:31pm

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

#	DATE	REVISIONS
1		
2		
3		

DES:	CB
DRN:	GP
CKD:	
DATE:	

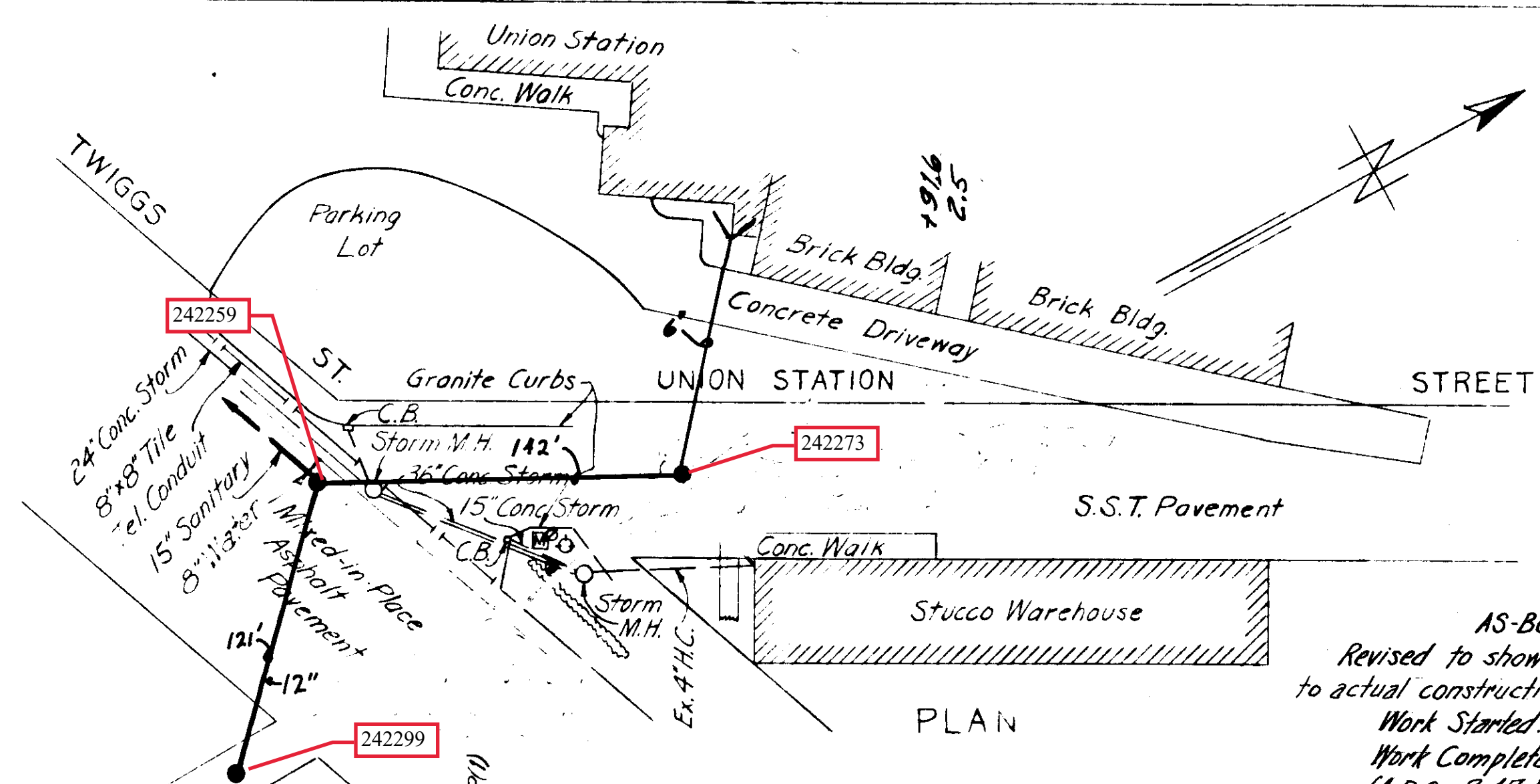
**CITY of TAMPA**  
WASTEWATER DEPARTMENT

Downtown Wastewater Gravity Pipeline Rehabilitation By CIPP Lining

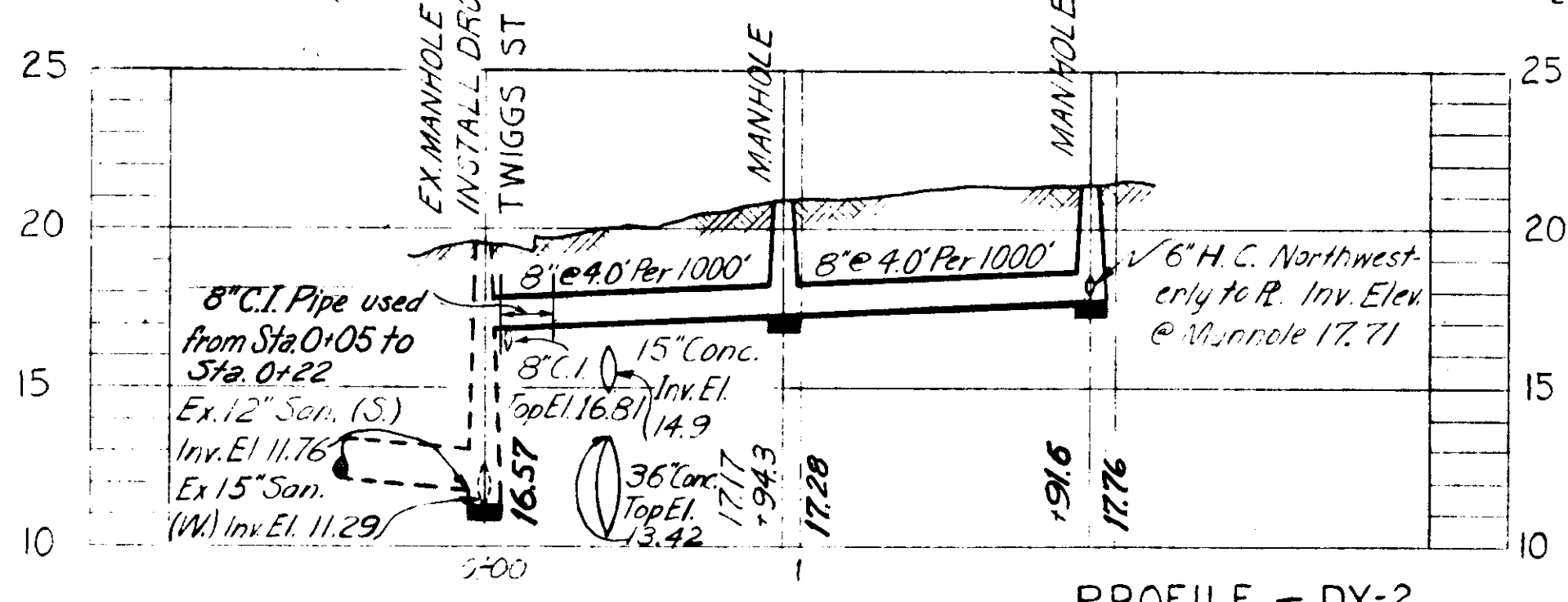
MANHOLE DETAILS

SHEET

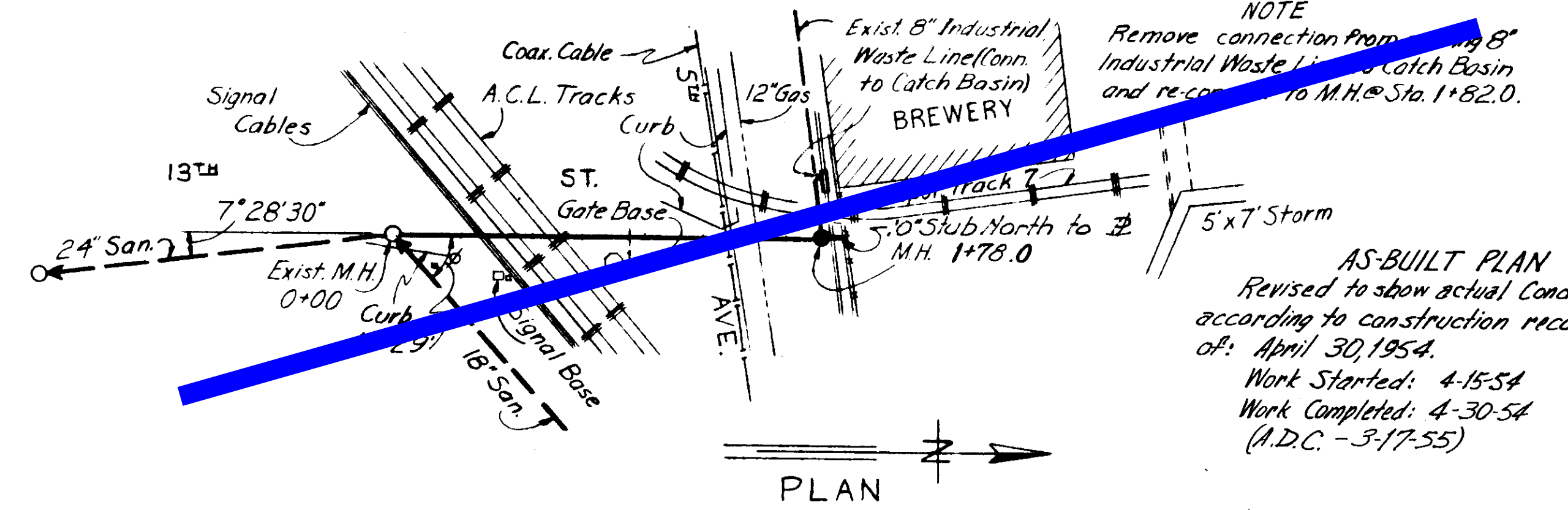
17



**AS-BUILT PLAN**  
 Revised to show actual conditions according to actual construction records as of: 4-9-54.  
 Work Started: 4-1-54  
 Work Completed: 4-9-54  
 (A.D.C. 3-17-55)

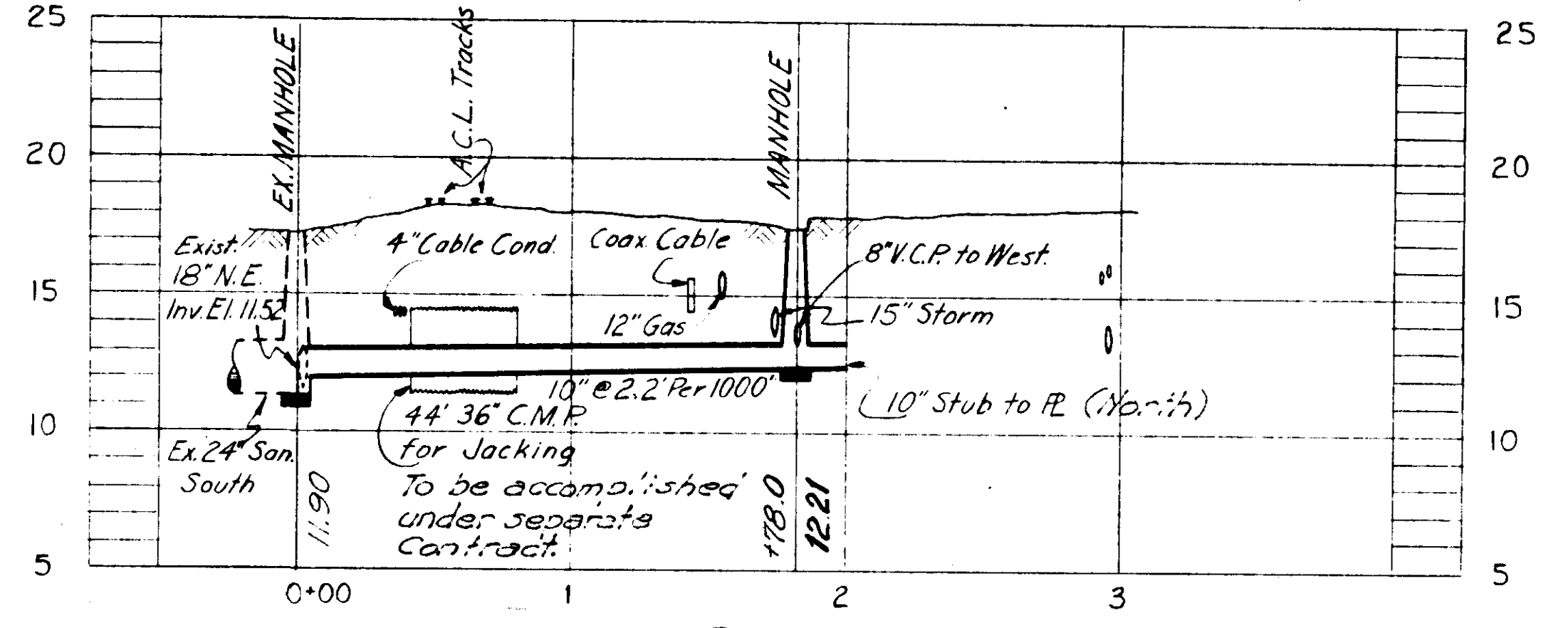


PROFILE - DX-2

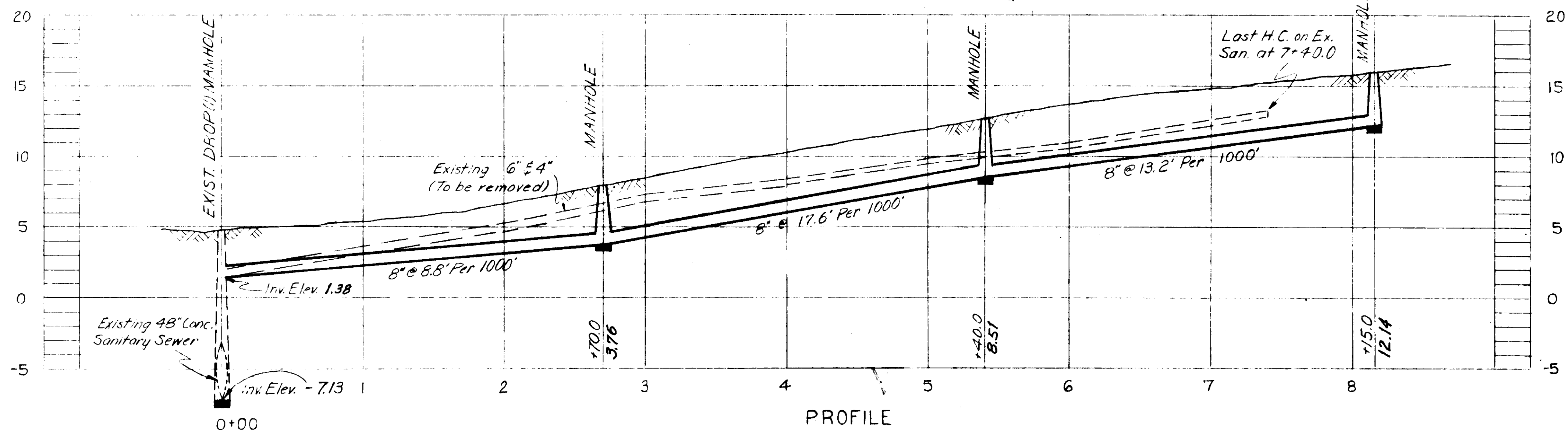
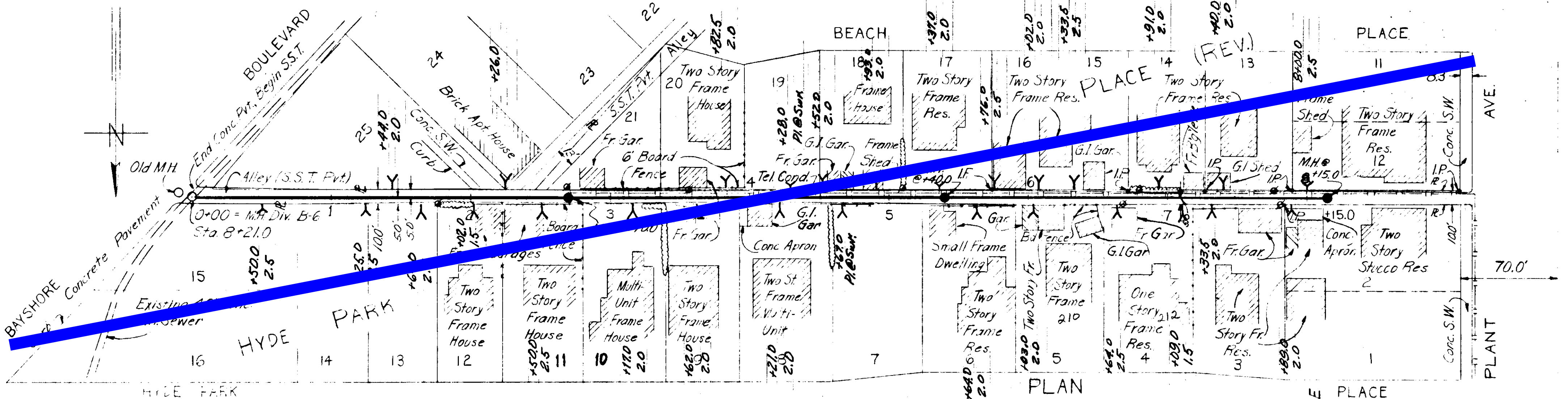


**NOTE**  
 Remove connection from 8" Industrial Waste Line (Conn. to Catch Basin) and re-connect to M.H. @ Sta. 1+82.0.

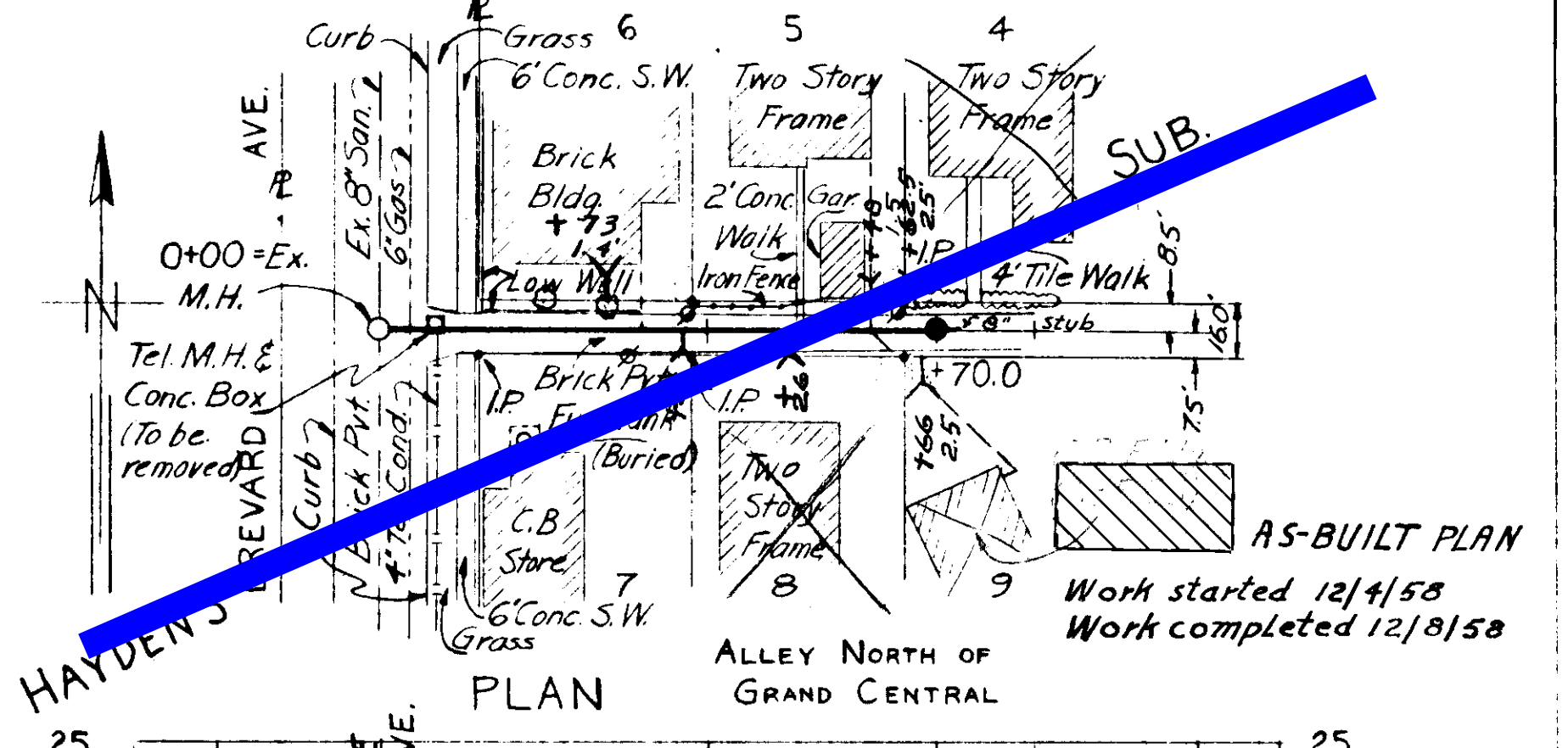
**AS-BUILT PLAN**  
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 Work Started: 4-15-54  
 Work Completed: 4-30-54  
 (A.D.C. - 3-17-55)



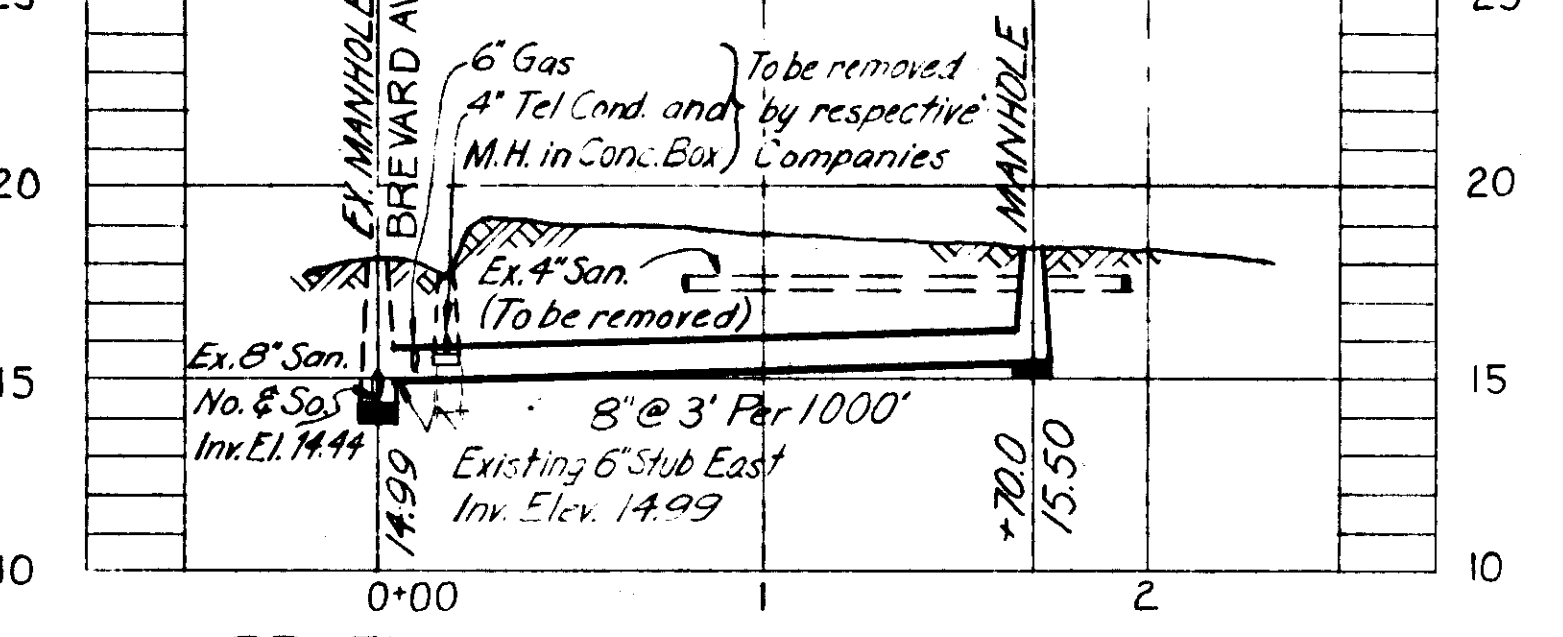
PROFILE MX-9



PROFILE R-H-2



**AS-BUILT PLAN**  
 Work started 12/1/58  
 Work completed 12/8/58



PROFILE Wx-23

**AS-BUILT PLAN (R-H-2)**  
 Revised to show actual conditions according to construction records as of: 4-5-55.  
 Work Started: 2-28-55.  
 Work Completed: 4-5-55.  
 (A.D.C. 4-27-55)

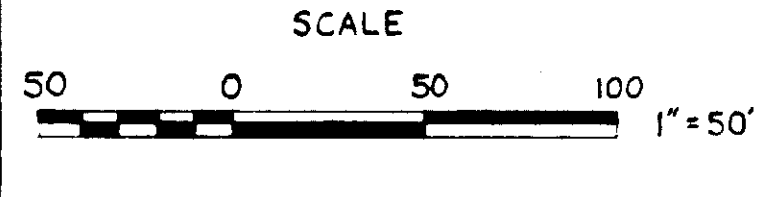
CITY OF TAMPA, FLORIDA  
 RENEWAL AND REPLACEMENT FUND  
 SEWER EXTENSIONS IN HYDE PARK & DOWNTOWN AREAS

Dx-2, Mx-9, R-H-2, & Wx-23

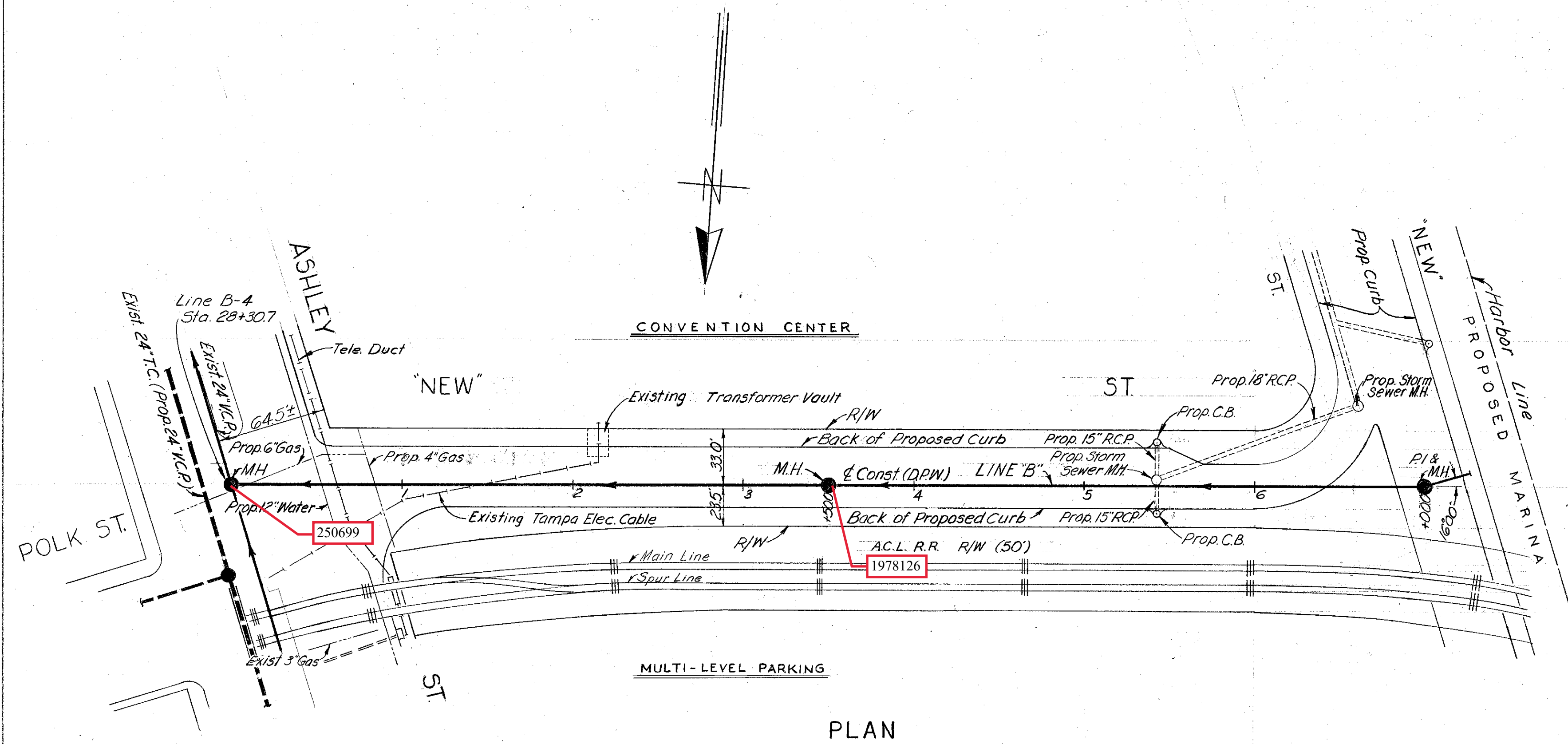
DEPT. OF PUBLIC WORKS  
 BUREAU OF SANITARY SEWERS

R & R FORCE ACCOUNT NO 2  
 SUBMITTED: *B. M. Amman*  
 BUREAU OF SANITARY SEWERS  
 APPROVED: *Ronald Newton 8-24-54*  
 GREELEY AND HANSEN, ENGINEERS

DES: ECA  
 DR: ADC  
 CKD: KED  
 DATE  
 JUNE 1954

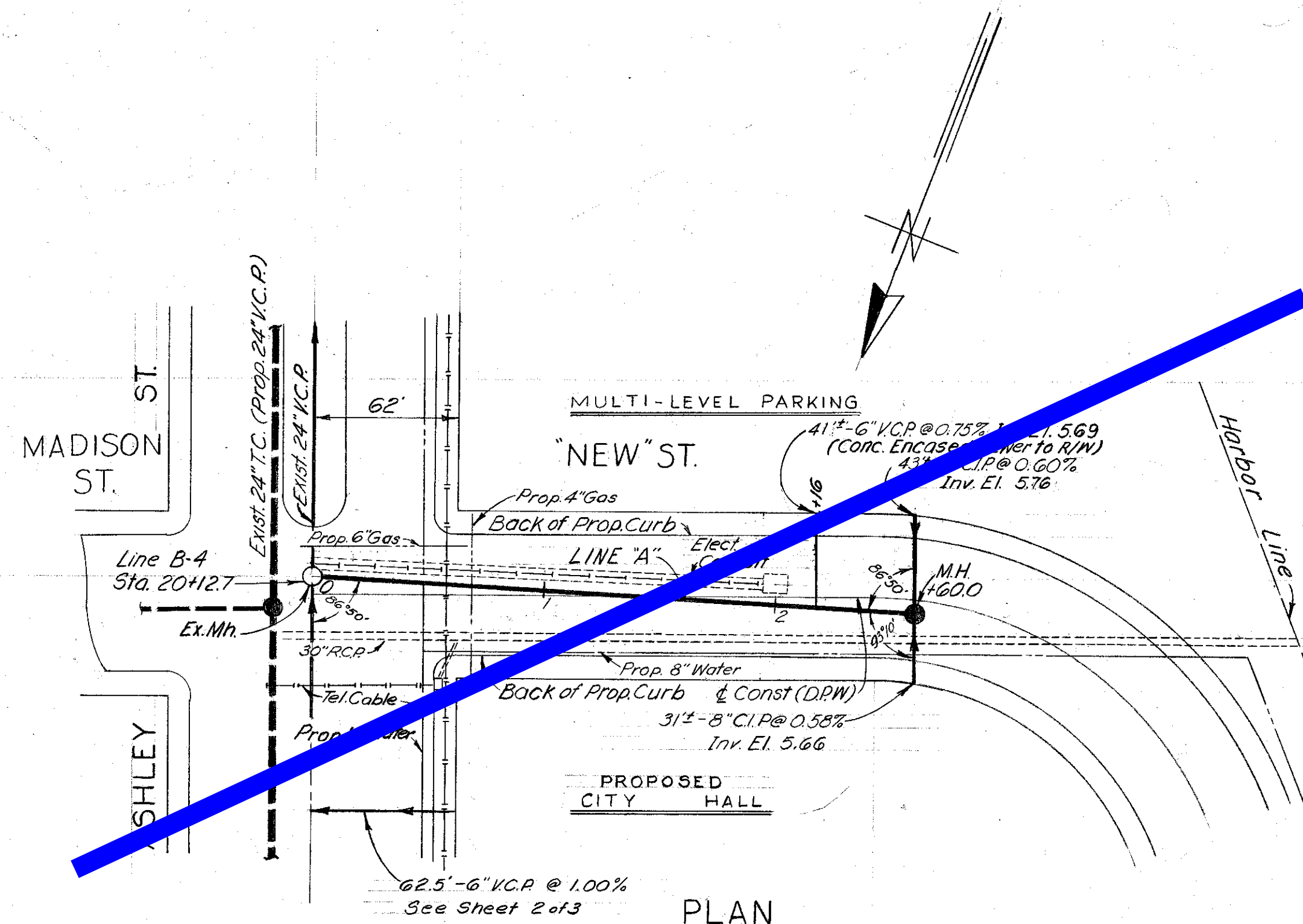


SHEET 1 OF 3



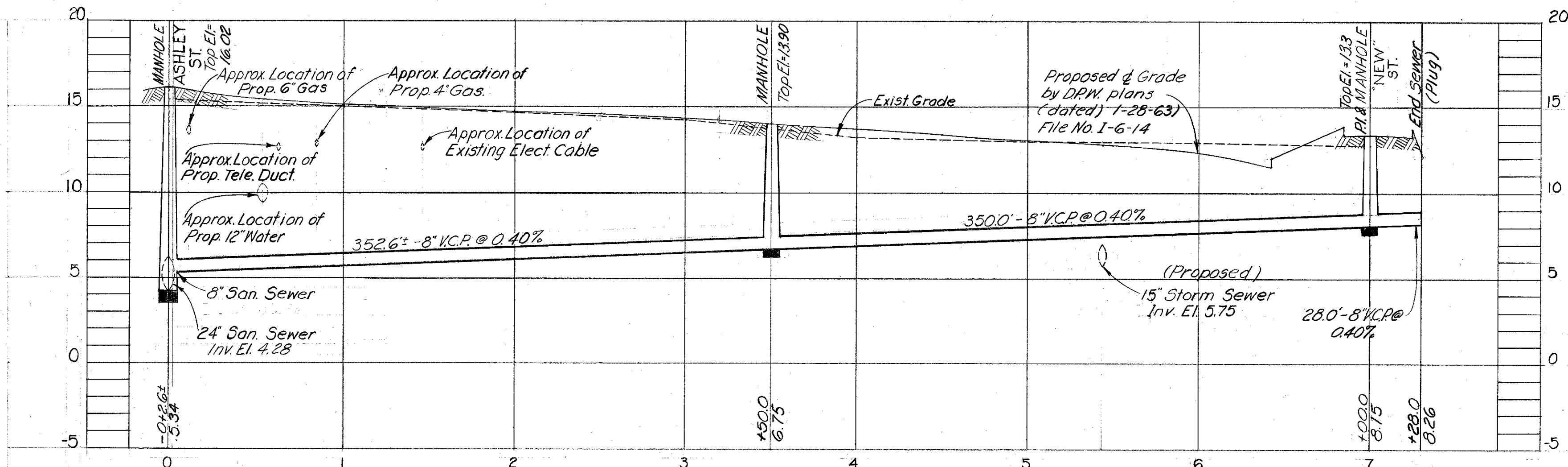
PLAN

Note: Prop. San. M.H. @ Sta. (-)0+02.6± is 2.5± E. of Ashley St. & Constr. Sta. 10+96.6± (DPW)

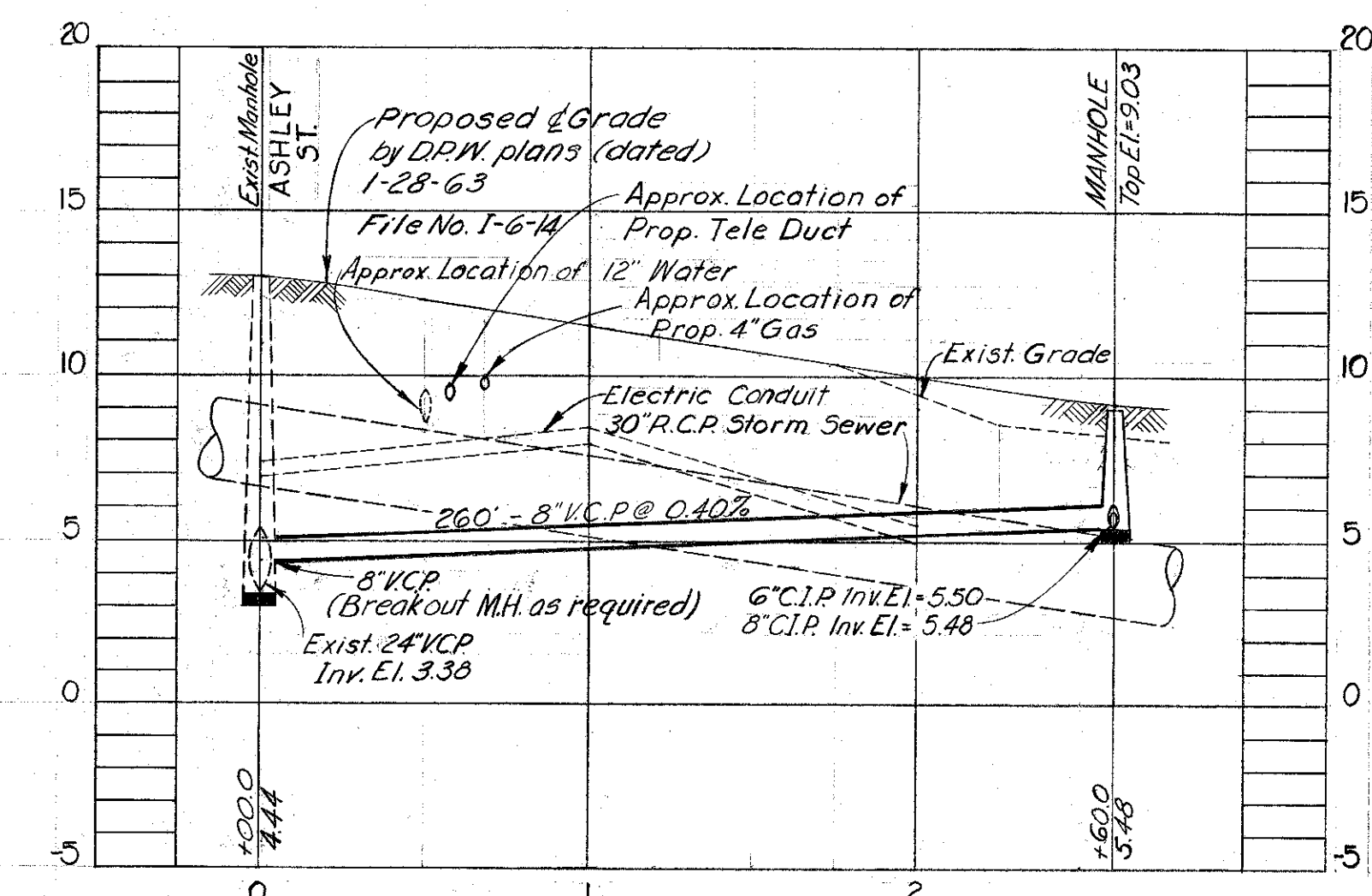


PLAN

Note: Exist. San. M.H. @ Station 0+00.0 Ashley St. & Constr. Sta. 2+79.9 (DPW)



PROFILE



PROFILE

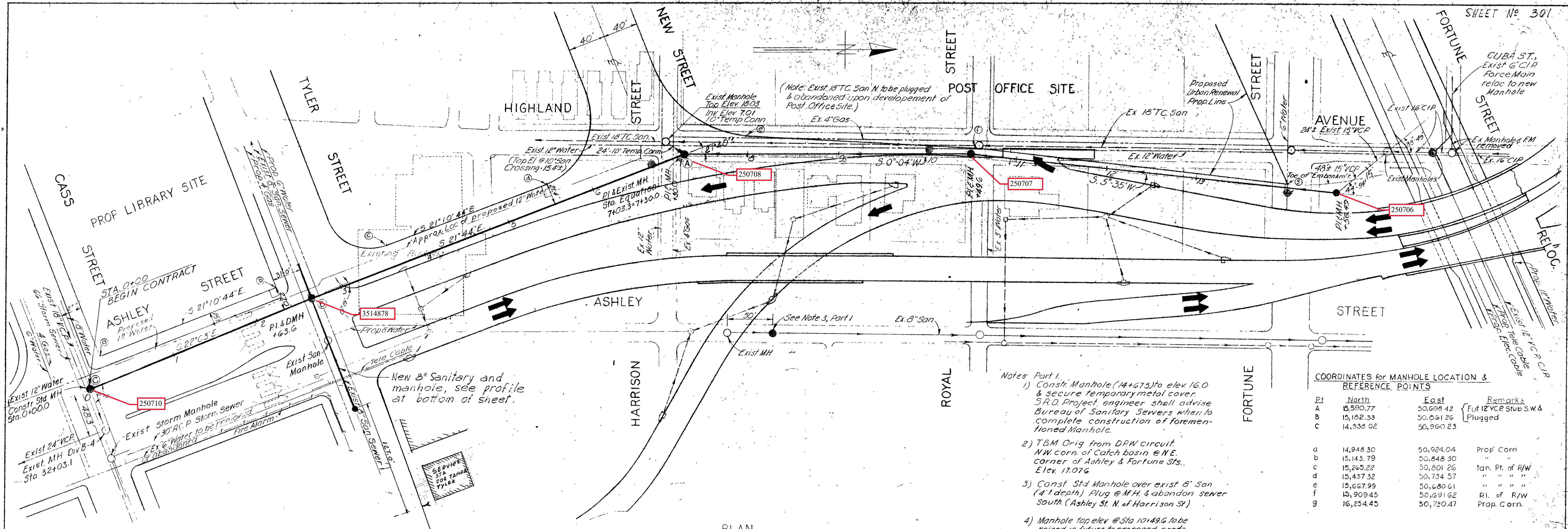
Revised 5-22-63

- Notes:
- 1) Bench Mark Descrip; T.B.M. N<sup>o</sup> 1, Elev. 12.717 "T" cut in @ NW. corn. catch basin @ S.E. corn. of Madison & Ashley Sts.
  - 2) For additional elevations/utility details see DPW Plans, File No. 1-6-14

W.O. 1565

WORK ORDER NO. AS SHOWN  
 R. & R. FORCE ACCOUNT NO. 42  
 FOR BUREAU OF SANITARY SEWERS  
 DEPT. OF PUBLIC WORKS  
 REC'D M'D Arthur S. Cooper Jr. Date 4-9-63  
 Executive Engineer  
 APPROVED [Signature] Date 4-23-63  
 Superintendent  
 APPROVED [Signature] Date 4-23-63  
 Supt. Dept. of Public Works  
 J. E. GREINER COMPANY  
 APPROVED [Signature] Date 4-23-63  
 FOR WIDEMAN AND SINGLETON  
 APPROVED [Signature] Date 4-23-63

CITY OF TAMPA, FLORIDA  
 RENEWAL & REPLACEMENT  
 SEWER IMPROVEMENTS  
 CONVENTION CENTER AREA  
 POLK & MADISON STS. - Extensions  
 W. from ASHLEY ST.  
 DES: P.A.L.  
 DRN: P.A.L.  
 CKD: C.M.T.  
 DATE  
 APRIL 1963  
 SCALE  
 50 0 50 100  
 1" = 50'  
 SHEET  
 1  
 OF 3

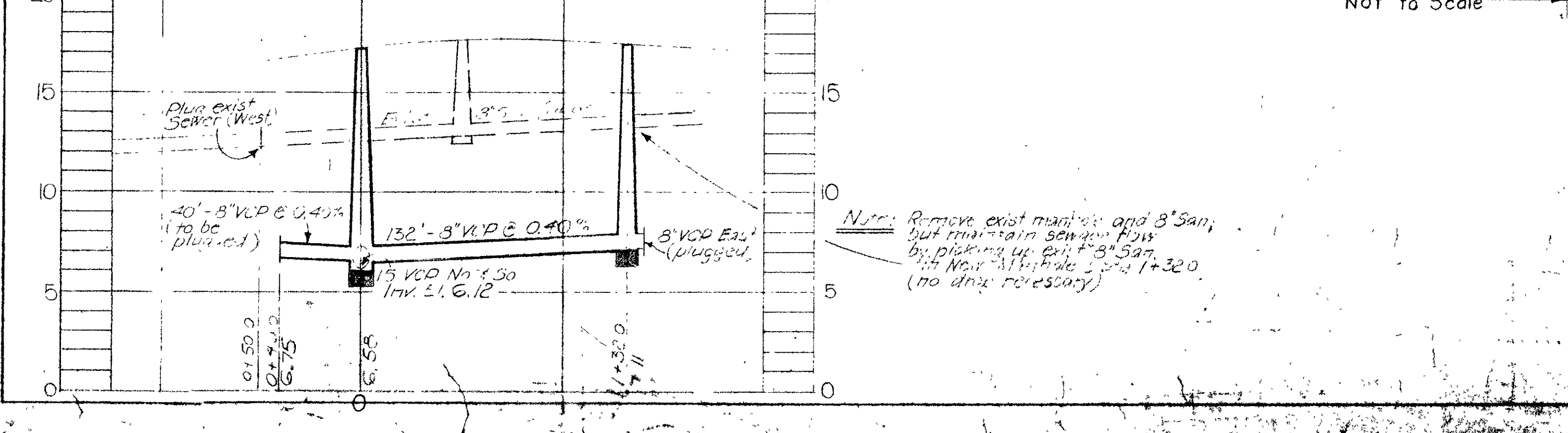
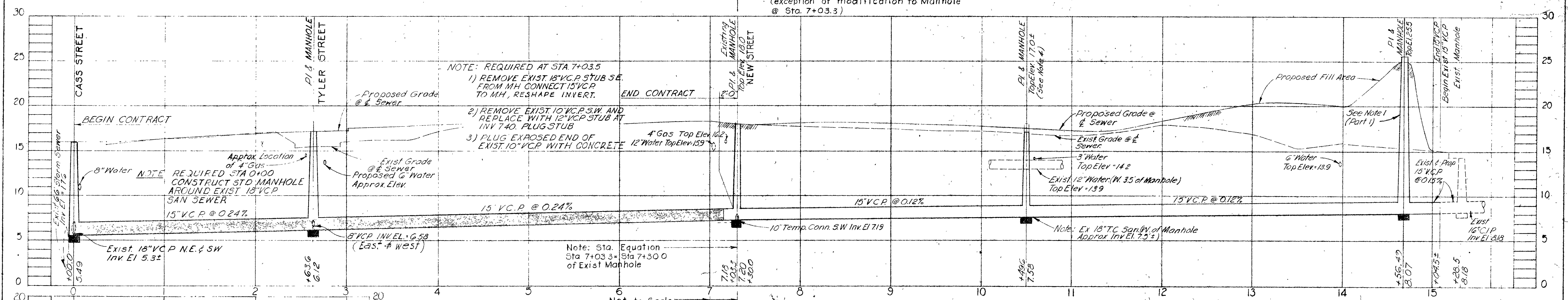


- Notes: Part 1.
- 1) Const. Manhole (14+675) to elev. 16.0 & secure temporary metal cover. S.R.D. Project engineer shall advise Bureau of Sanitary Sewers when to complete construction of forementioned Manhole.
  - 2) TBM Orig from DPW circuit NW. corner of Catch basin @ NE. corner of Ashley & Fortune Sts. Elev. 17.076
  - 3) Const. Std Manhole over exist 8" San (4' depth) Plug @ M.H. & abandon sewer South. (Ashley St. N. of Harrison St)
  - 4) Manhole top elev. @ Sta 10+496 to be raised in future to proposed grade.

COORDINATES for MANHOLE LOCATION & REFERENCE POINTS

Pt	North	East	Remarks
A	15,590.77	50,669.42	Plugged
B	15,162.33	50,661.26	
C	14,938.02	50,960.23	
a	14,948.30	50,924.04	Prop. Corn
b	15,143.79	50,848.30	
c	15,265.22	50,801.26	tan. Pt. of R/W
d	15,437.32	50,734.57	
e	15,667.95	50,680.61	
f	15,909.45	50,691.62	Pt. of R/W
g	16,254.45	50,720.47	Prop. Corn.

PLAN  
NOT INCLUDED IN CONTRACT  
(exception of modification to Manhole @ Sta. 7+03.3)



PROFILE  
PART 1 - Constructed under WO 1524 R & R FA. 42  
NOT INCLUDED IN CONTRACT  
(exception of modification to Manhole @ Sta. 7+03.3)  
PART 1, R & R FA. 42, WO 1524  
PART 2, DPH CONTR., WO 1639

FOR BUREAU OF SANITARY SEWERS  
DEPT. OF PUBLIC WORKS

DESIGNED BY: Arthur S. Cooper Jr. DATE: 12-27-63

APPROVED BY: Wayne Jump DATE: 12-30-63

APPROVED BY: George S. Jensen DATE: 12-27-63

APPROVED BY: C. E. Drummond, Jr. DATE: 12-27-63

CITY OF TAMPA, FLORIDA  
SEWAGE DISPOSAL SYSTEM  
ASHLEY-HIGHLAND CONNECTING SEWER

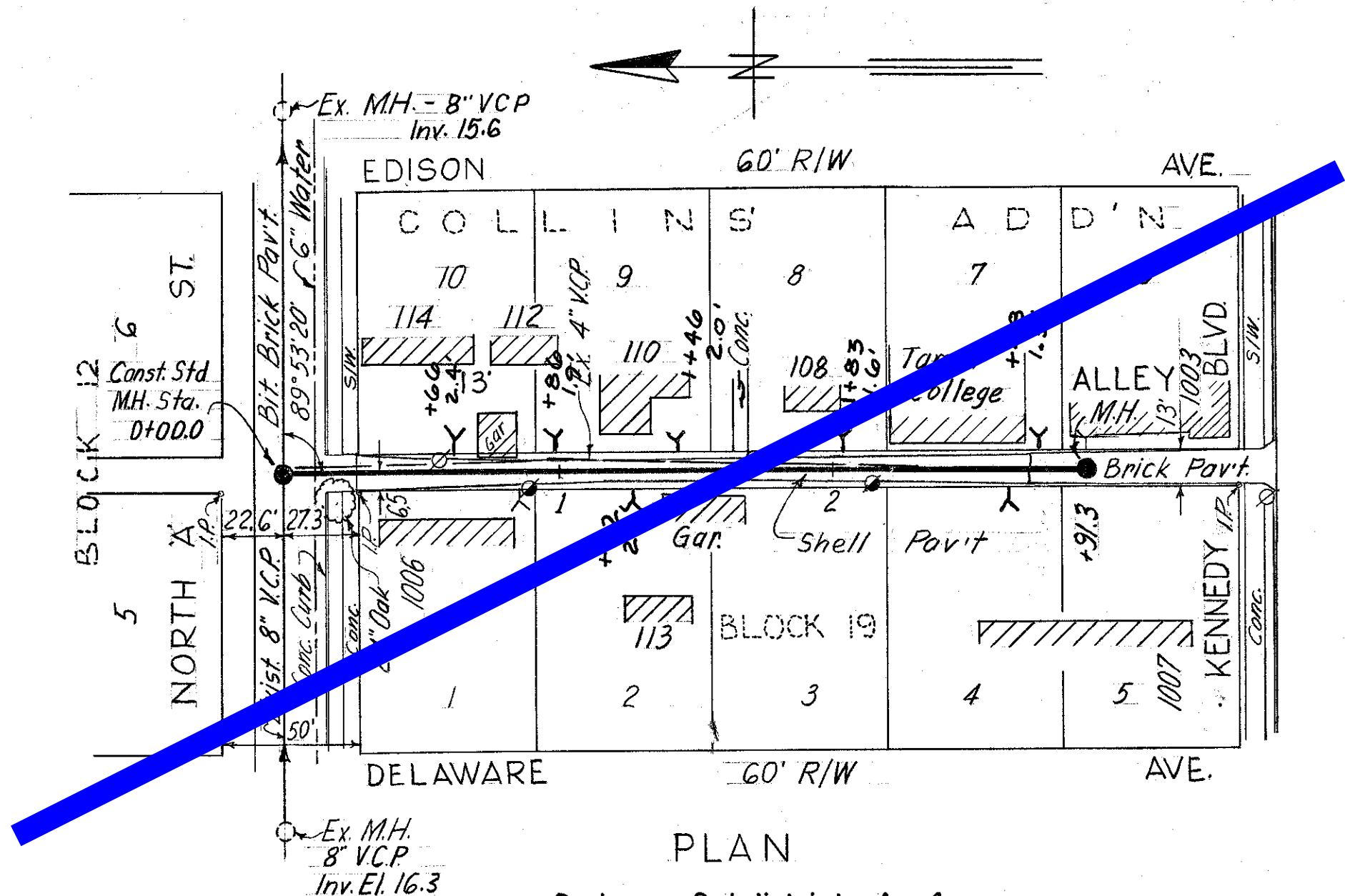
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DRN: PAL  
CKD: CMT

SCALE: 1" = 50'

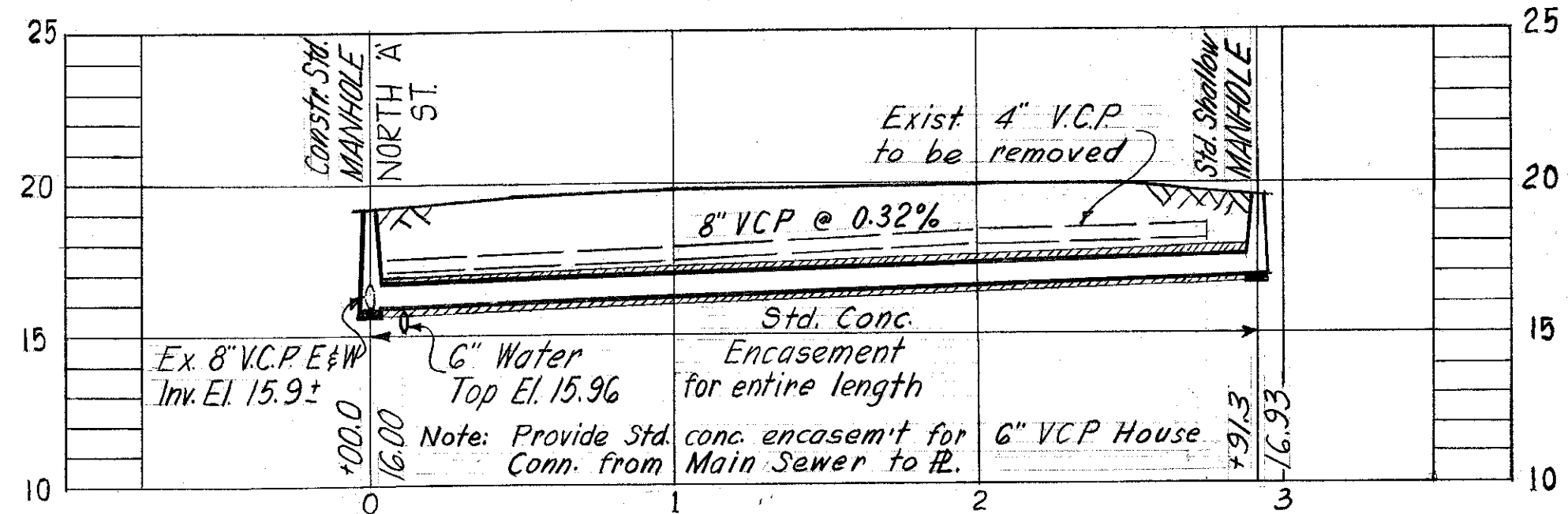
SHEET 3 OF 3

DATE: JULY 1963

FILE No. 7-6-18

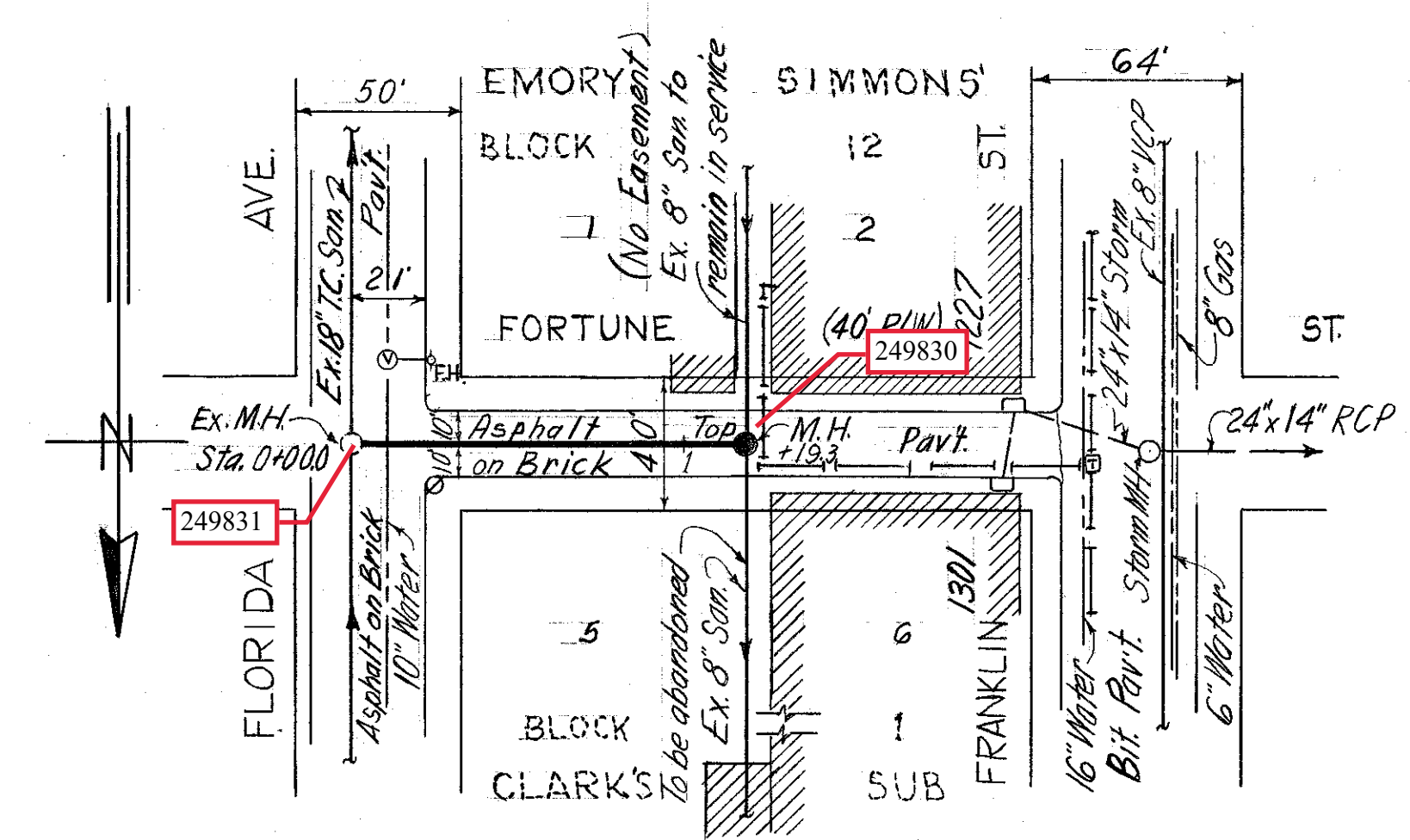


PLAN  
Drainage Subdistrict A-4

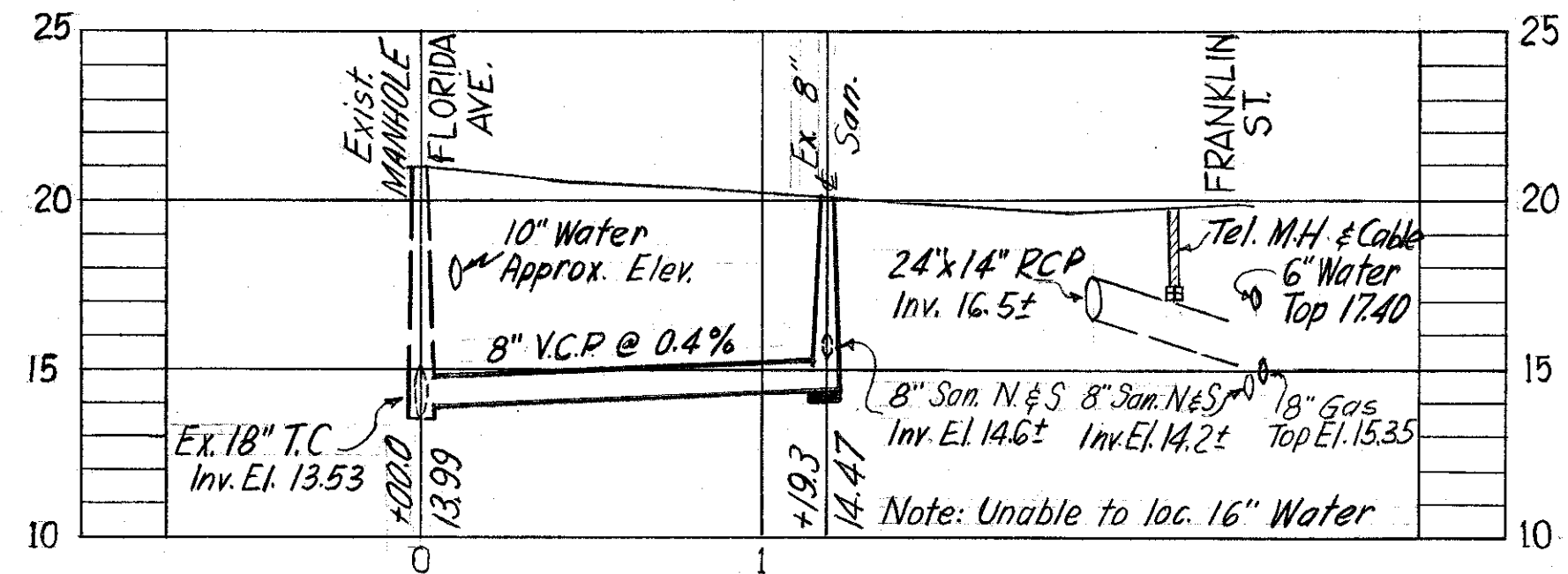


PROFILE  
W.O. 1604

T.B.M. used: Elev. 19.804  
Nail in root of 24" Oak  
@ S.W. corner of North  
'A' St. and Alley.  
(run in from A-365)



PLAN  
Drainage Subdistrict A-13

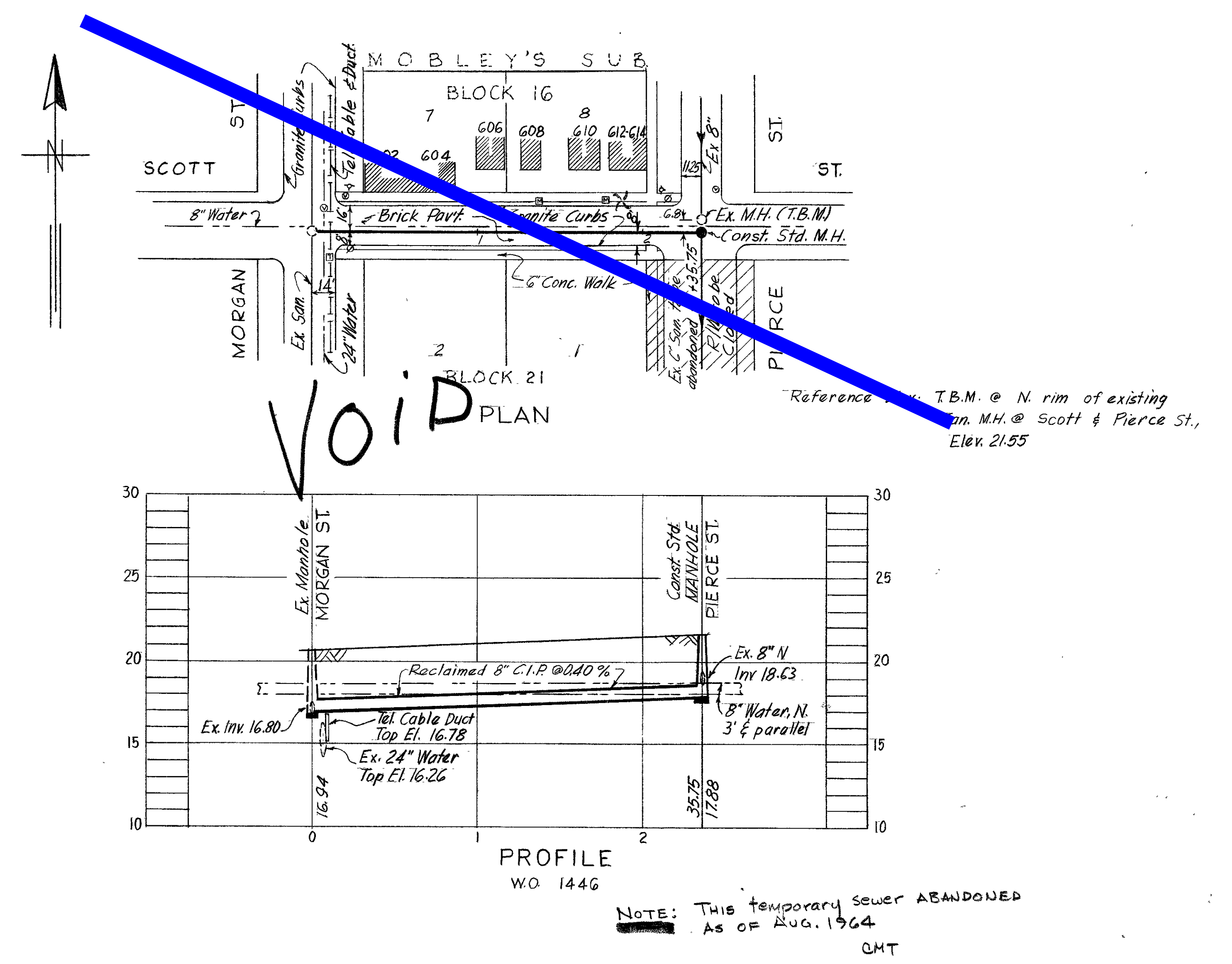
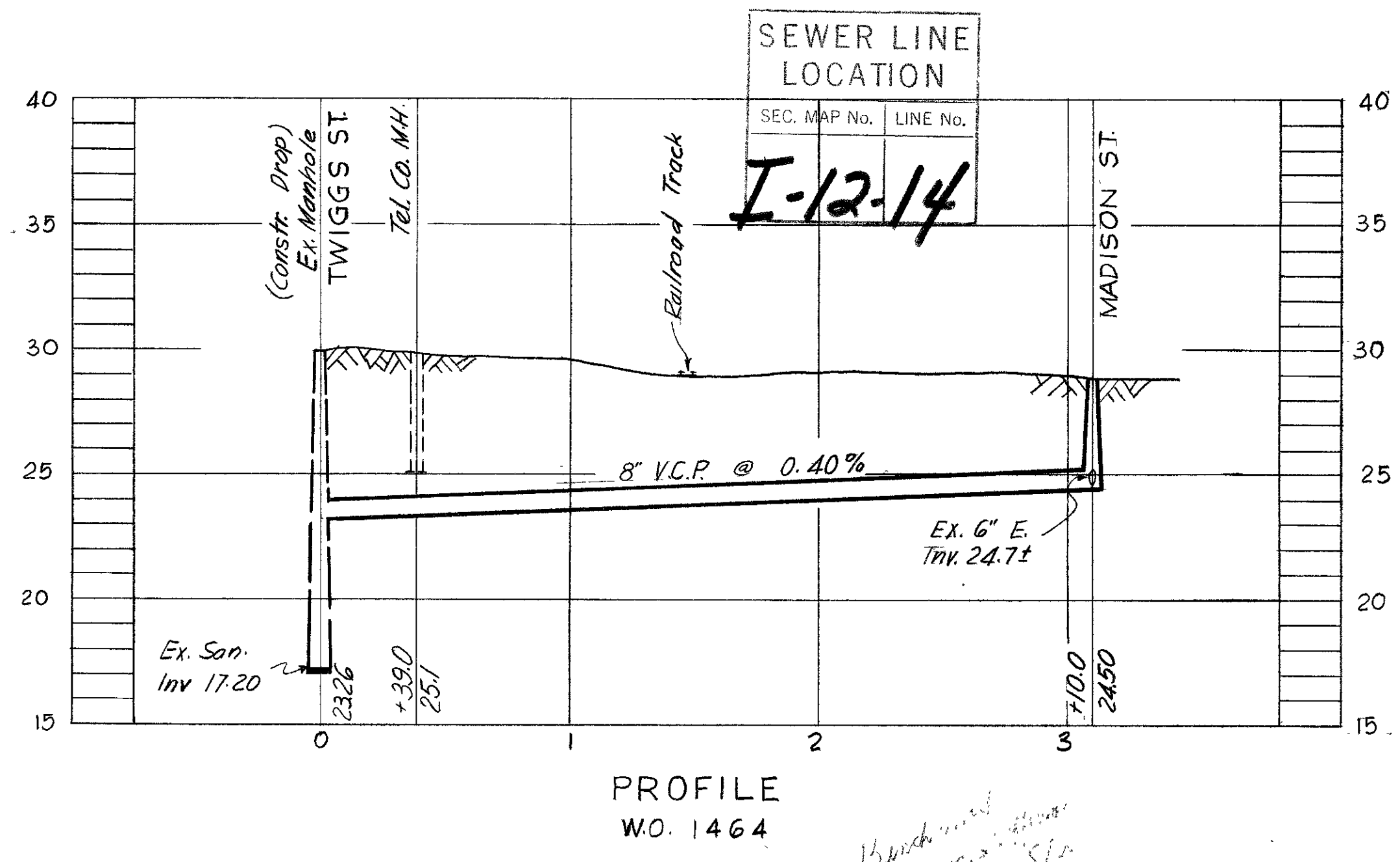
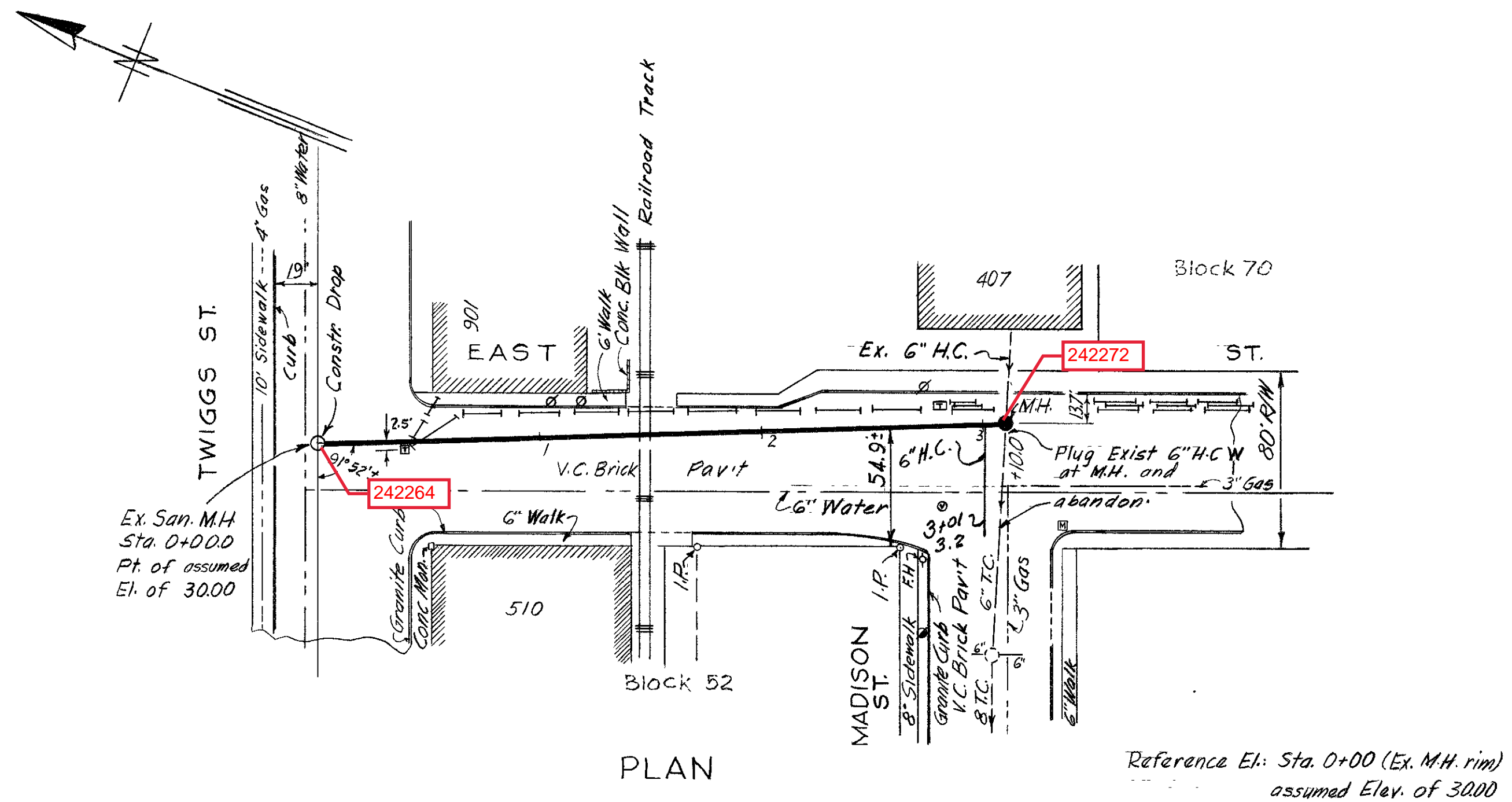


PROFILE  
W.O. 1650

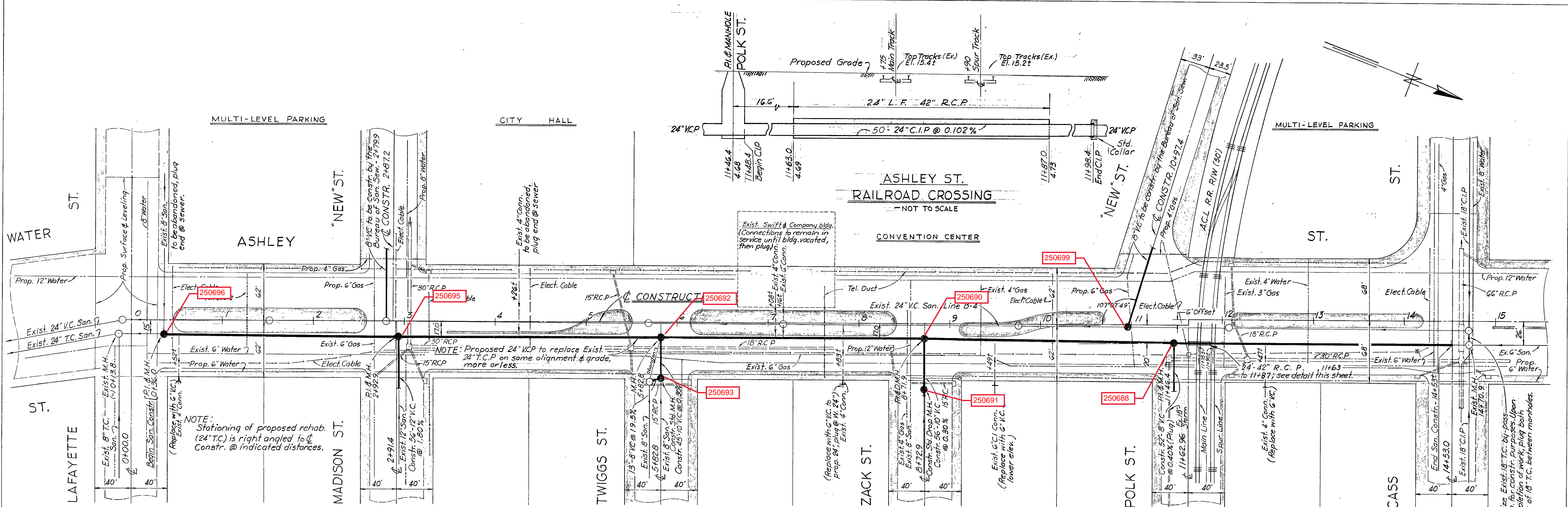
B.M. # 59 (G. & H.) Elev. 19.12  
Sidewalk @ S.E. corner of  
Florida Ave. & Constant St.

R & R 48 W.O. 1604 & 1650

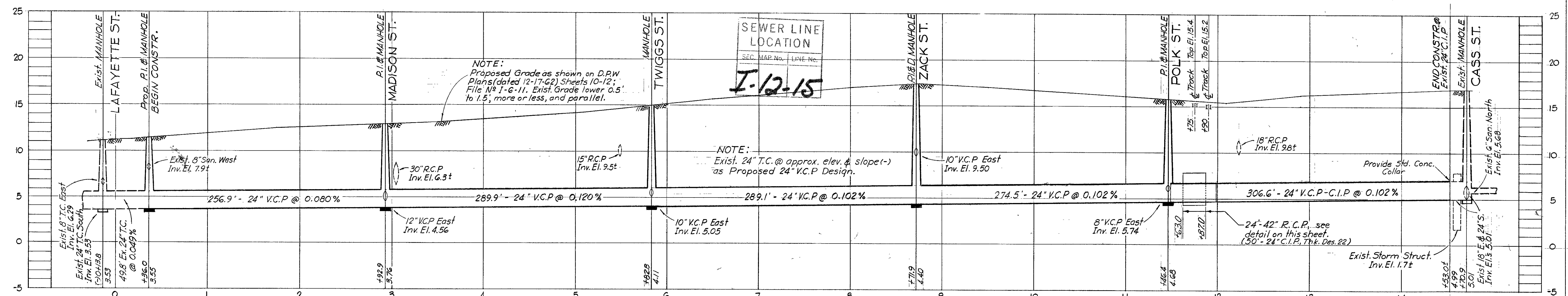
CITY OF TAMPA, FLORIDA RENEWAL & REPLACEMENT SEWER IMPROVEMENTS		
ALLEY E. of Delaware St.: North 'A' St. to Kennedy Blvd.		
FORTUNE ST.: 119½ W. of Florida Ave. to Florida Ave.		
DES: J.M.R. DRN: J.M.R. CKD: C.M.T. DATE: MAY 1964	SCALE 50 0 50 100 1" = 50'	SHEET 7 OF 8



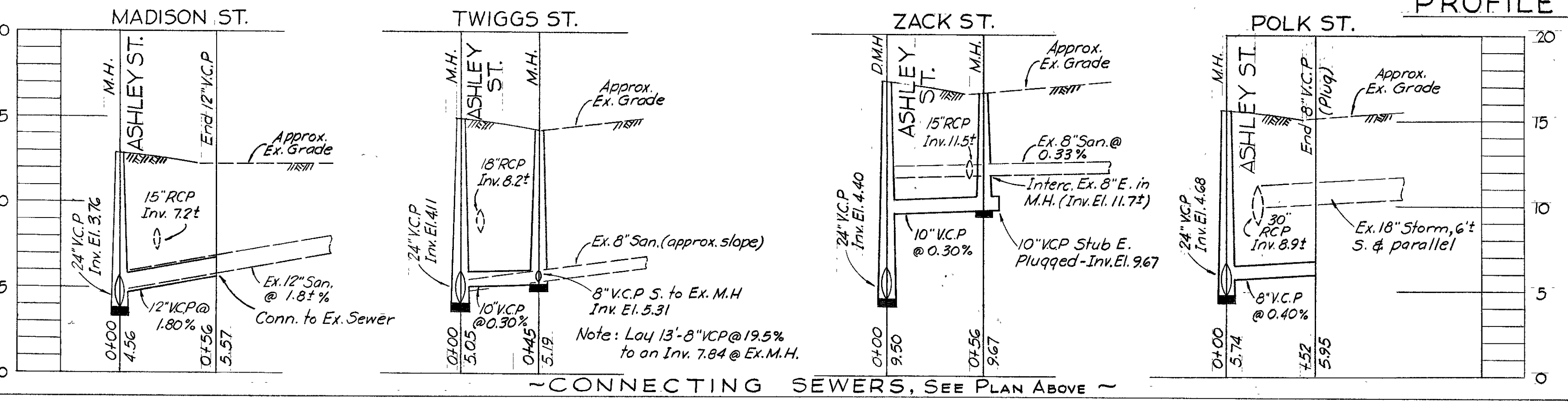
FOR HILLSBOROUGH COUNTY		H-12	
WORK ORDER NO. AS SHOWN RESOLUTION NO. _____		CITY OF TAMPA, FLORIDA RENEWAL & REPLACEMENT	
FOR BUREAU OF SANITARY SEWERS DEPT. OF PUBLIC WORKS		SEWER IMPROVEMENTS	
REC'D <i>William S. Cooper Jr</i> Date 7-10-62 Executive Engineer		SCOTT ST.- Morgan St. to Pierce St. (Temporary Gravity Conn.)  EAST ST.- Twiggs St. to Madison St.	
APPROVED <i>Edith L. Smith</i> Date 7-17-62 Superintendent			
APPROVED <i>Ray R. Van Camp</i> Date 7-17-62 Supt. Dept. of Public Works			
FOR J. E. GREINER COMPANY		DES: CMT DRN: JMR CKD: CMT DATE: JULY 1962	
APPROVED <i>George S. Jenkins</i> Date 7-17-62 FOR CROMBEN AND SINGLETON		SCALE: 1" = 50' 50 0 50 100	
APPROVED <i>C. G. Drummond</i> Date 7-17-62		SHEET 1 OF 1	



PLAN



PROFILE



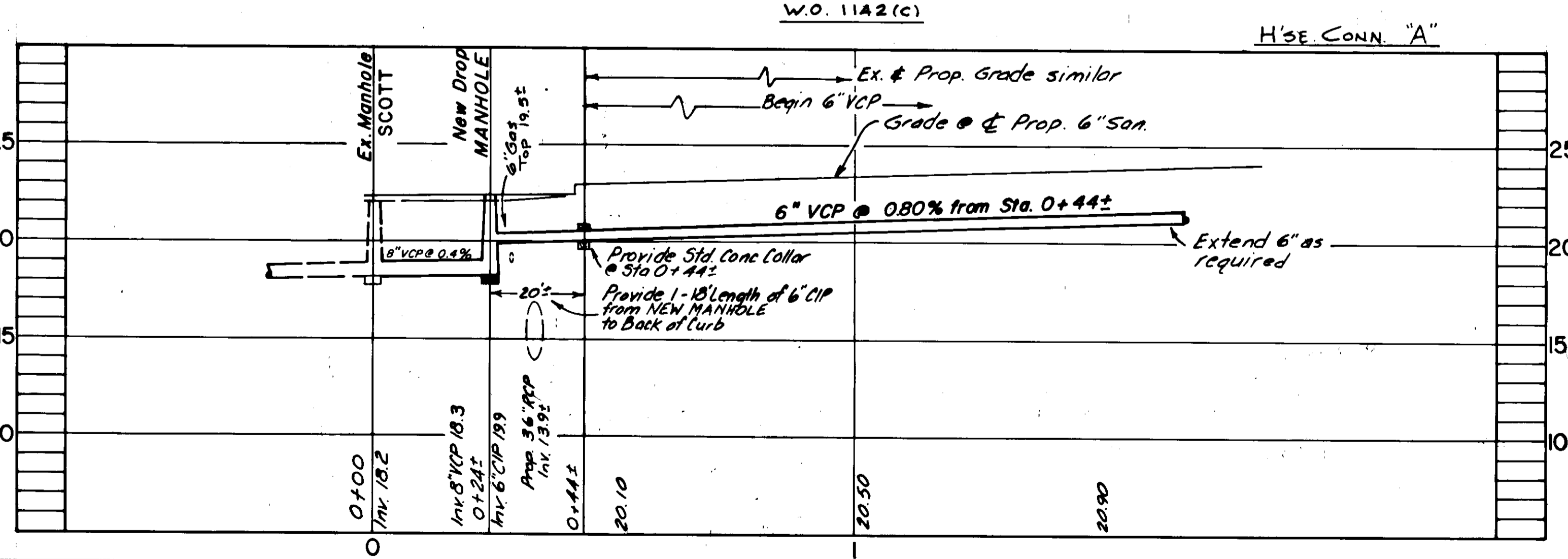
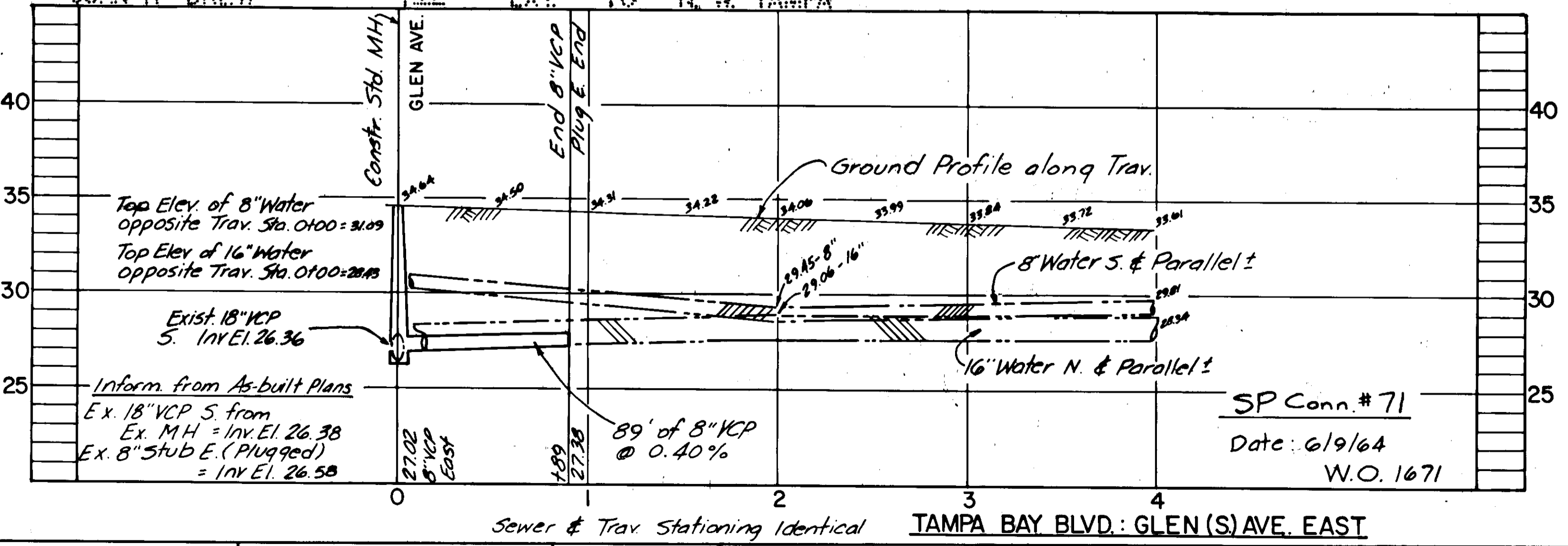
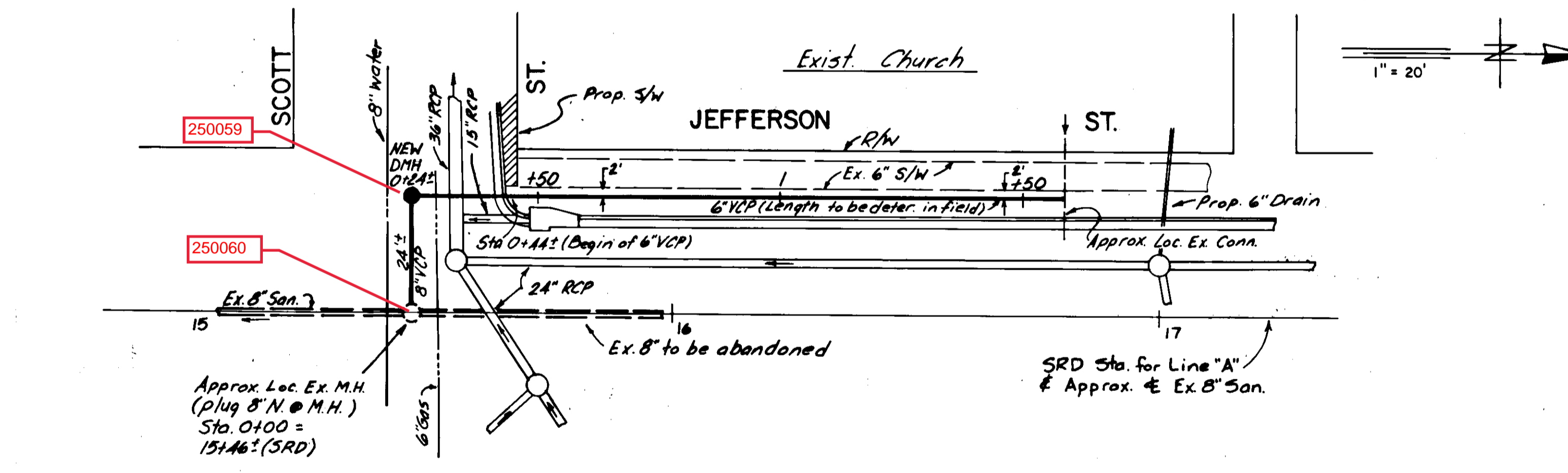
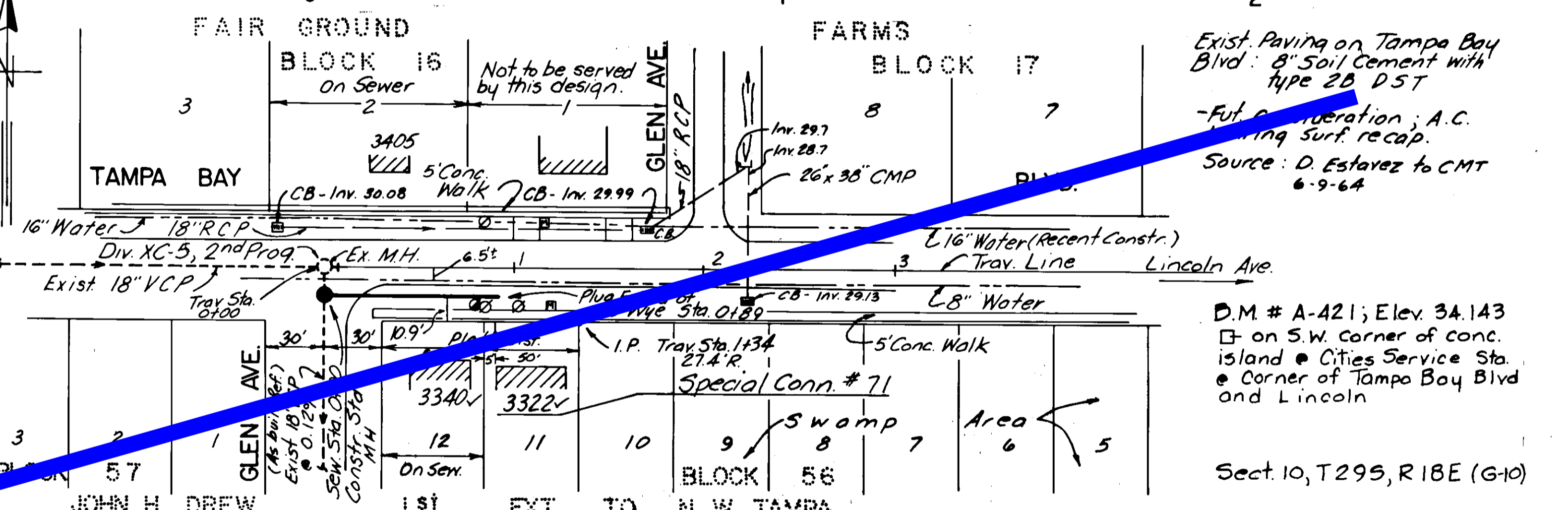
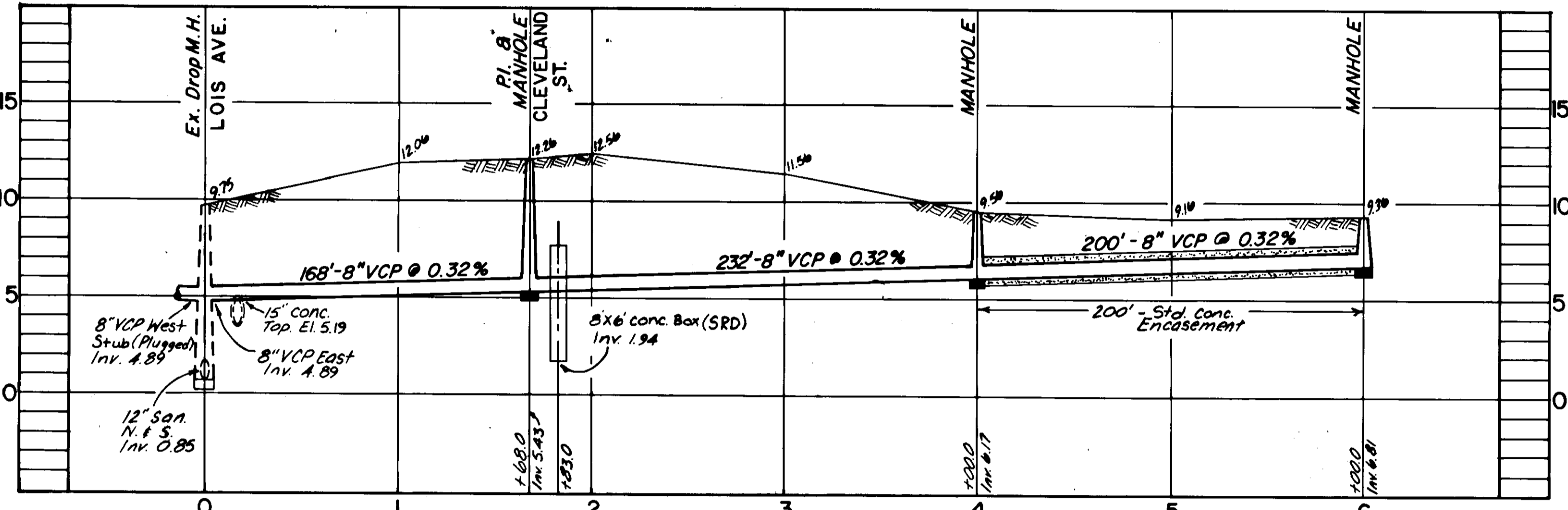
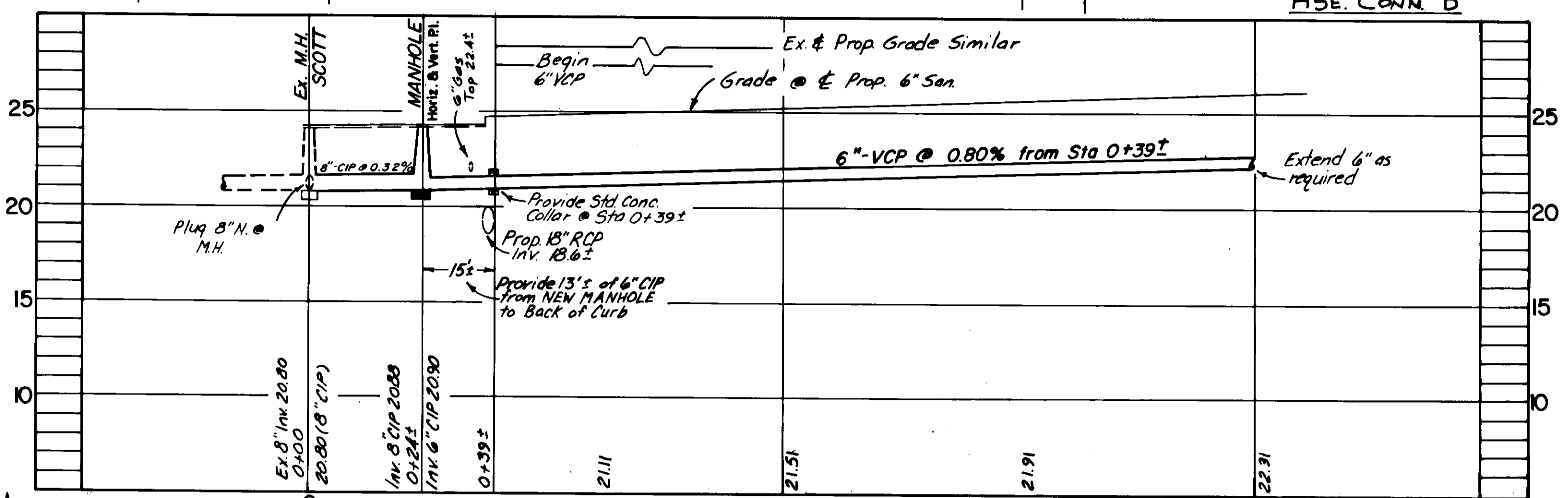
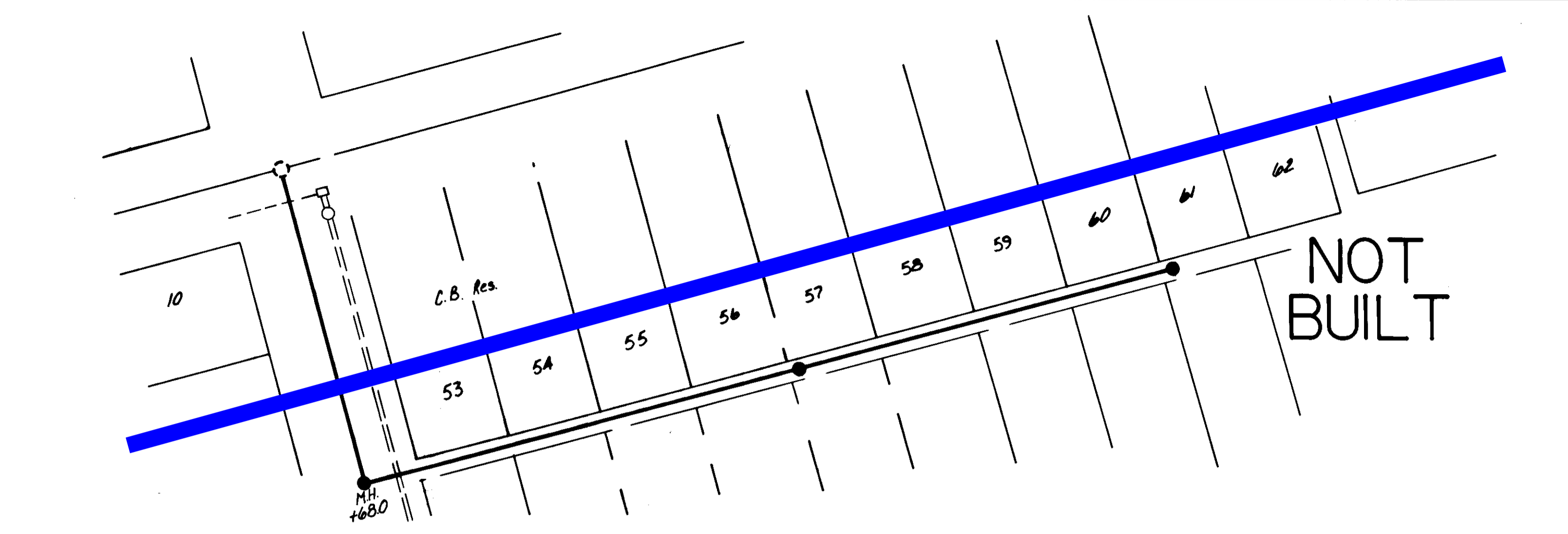
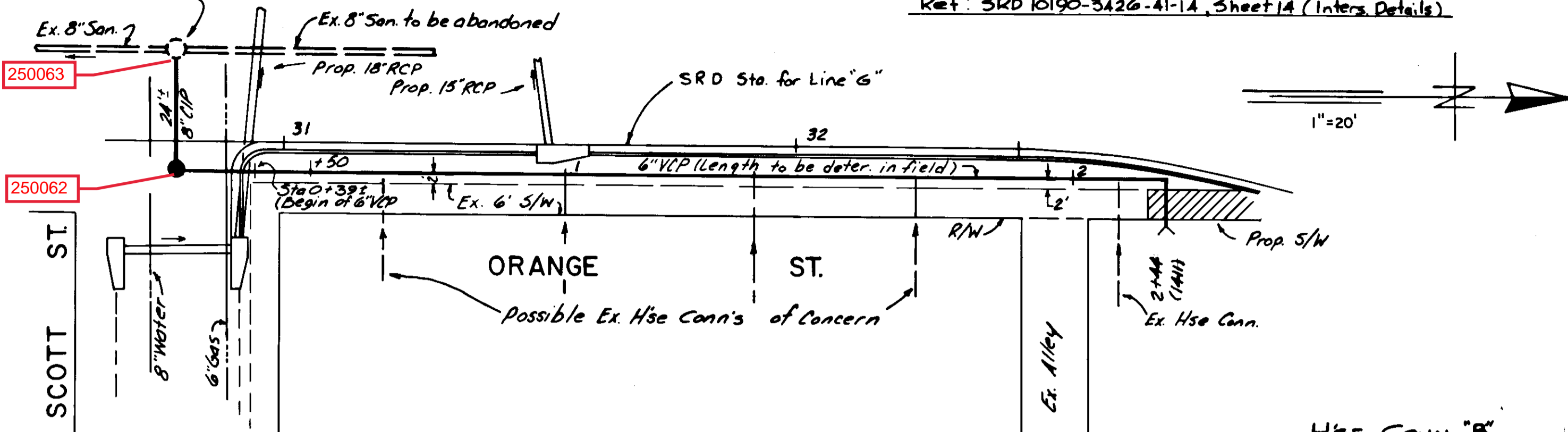
CONNECTING SEWERS, SEE PLAN ABOVE

- NOTES:
1. Bench Mark Descrip.; T.B.M. No. 1, Elev. 12.717 "cut in @ N.W. corn. catch basin @ S.E. corn. Madison & Ashley Sts.
  2. For Elevation & Detail of other utilities, see sheets 10 thru 12, D.P.W. Paving Contr. 5, Div. 3-A-1.
  3. All manholes to be 4'-0" I.D.
  4. Railroad crossing revised 8-14-63 (Open cut method by contractor)

<p>Approvals for Sanitary Sewer Design Only</p> <p>FOR BUREAU OF SANITARY SEWERS DEPT. OF PUBLIC WORKS</p> <p>REC'D <i>Arthur S. Cooper Jr.</i> Date <i>2/7/65</i> Executive Engineer</p> <p>APPROVED <i>[Signature]</i> Date <i>2/9/65</i> Superintendent</p> <p>APPROVED <i>[Signature]</i> Date <i>2/7/65</i> Supt. Dept. of Pub. Works</p> <p>APPROVED <i>[Signature]</i> Date <i>2/7/65</i> ENGINEER COMPANY</p> <p>APPROVED <i>[Signature]</i> Date <i>2/7/65</i> SMITHSON</p> <p>APPROVED <i>[Signature]</i> Date <i>2/7/65</i></p>		<p>CITY OF TAMPA, FLORIDA SEWAGE DISPOSAL SYSTEM</p> <p>ASHLEY ST. SEWER REHABILITATION (Lafayette St. to Cass St.)</p> <p>ADDENDUM No. 1 ADDITIONS TO WATER DISTRIBUTION SYSTEM TAMPA WATER DEPARTMENT Job No. 61085 dated Jan. 21, 1963</p>	
<p>DES: CMT DRN: CMT CKD: ASC DATE: FEB. 1963</p>		<p>SCALE 50 0 50 100 1" = 50'</p>	
		<p>SHEET 1 OF 3</p>	

Approx. Loc. of Ex. M.H.  
(plug 8" N. M.H.)  
Sta. 0+00 = 30+79 (18'E) on SRD

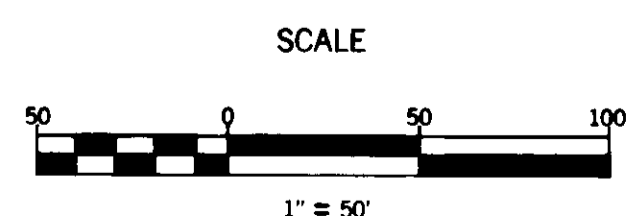
HOUSE CONN. DETAIL DE SIGN & SCOTT-JEFFERSON  
W.O. 1142-C INTERCHANGE 3-7-63 CMT  
Ref: SRD 10190-3426-41-14, Sheet 14 (Inters. Details)



DES: DRN: RAR  
CKD:  
DATE:

APPROVED BY  
DIRECTOR  
DEPARTMENT OF SANITARY SEWERS

No.	DATE	REVISIONS
1	9-26	REDRAWN FROM ORIGINAL
2		
3		
4		
5		

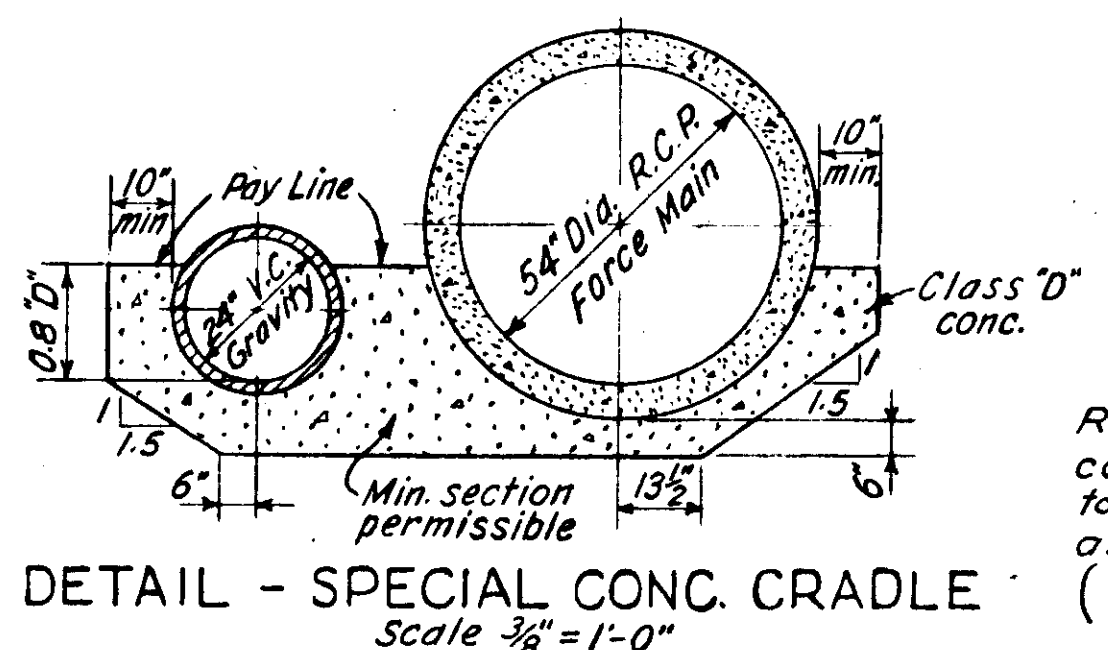
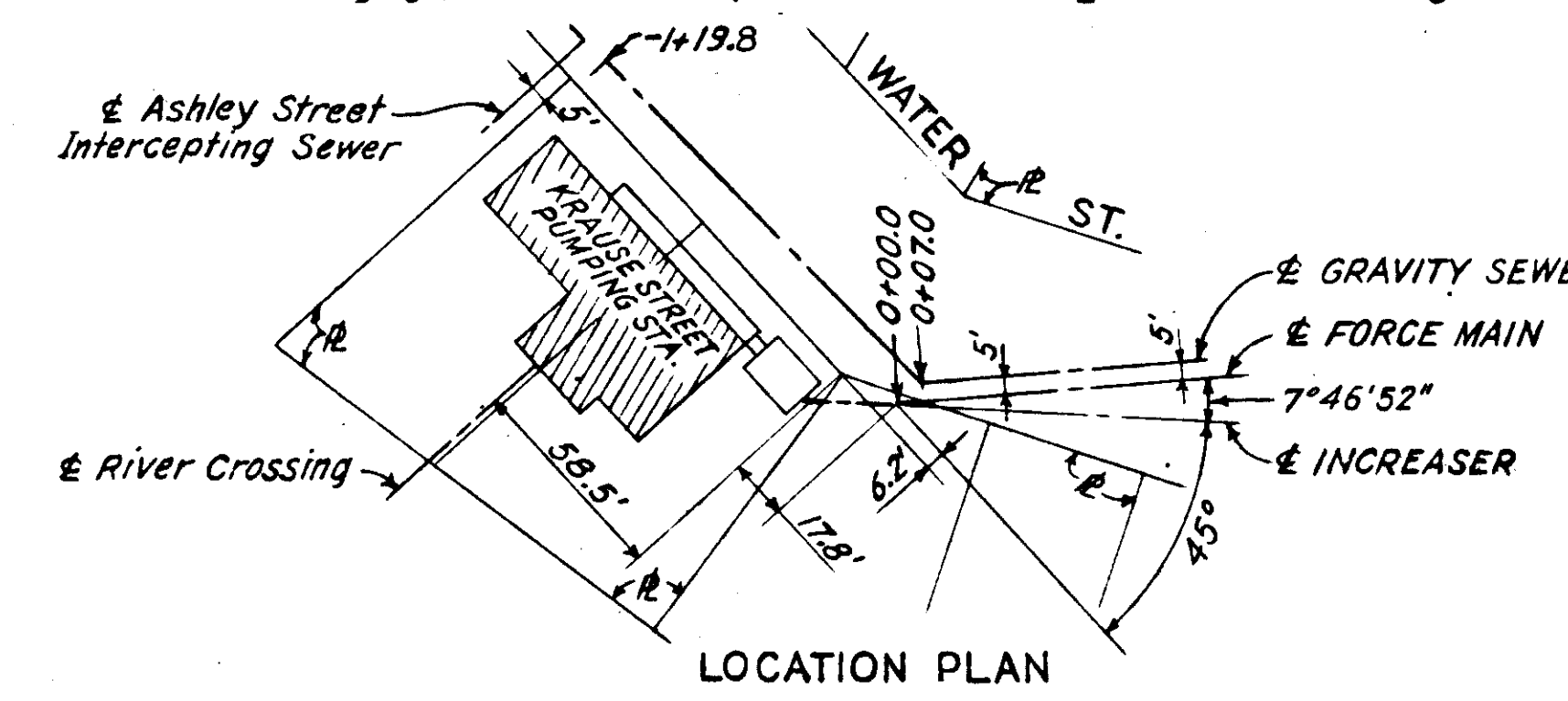
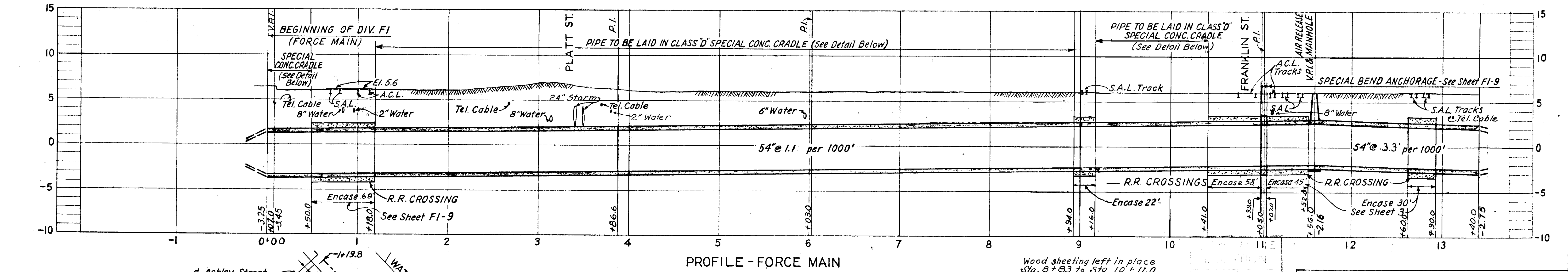
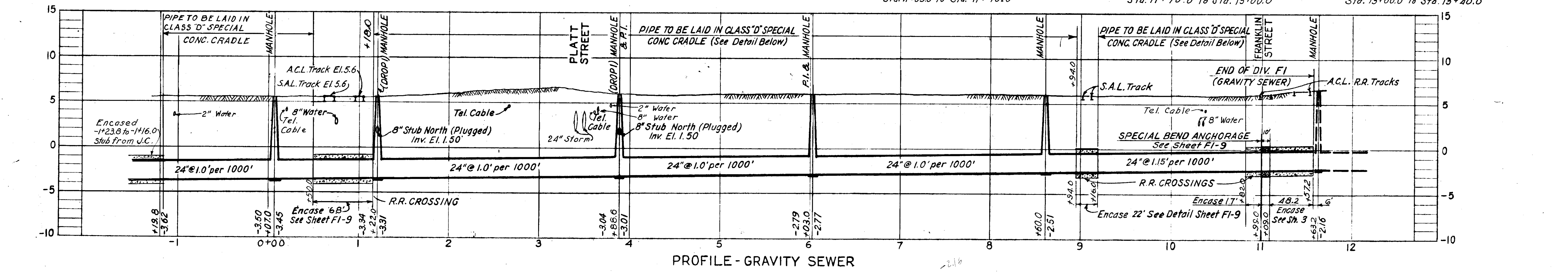
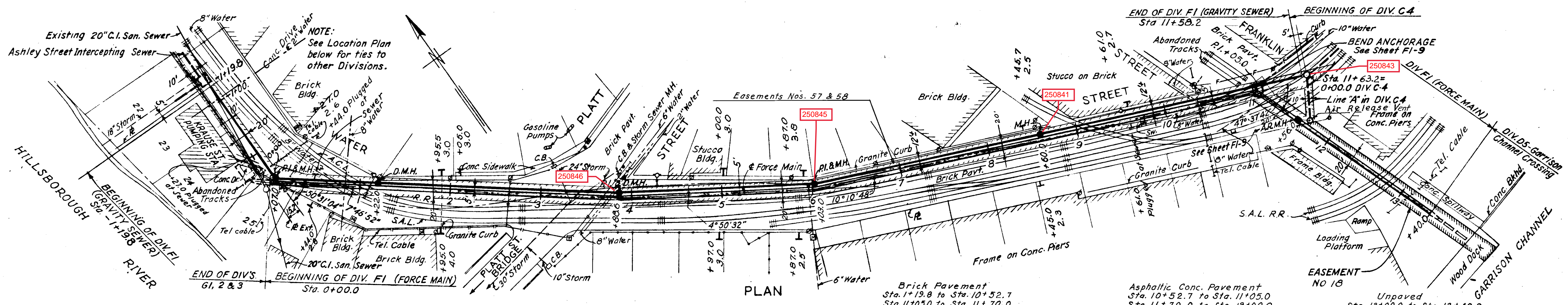


DEPARTMENT OF SANITARY SEWERS  
CITY OF TAMPA, FLORIDA

MISC. LINE EXTENSIONS

SHEET  
OF





Wood sheeting left in place  
Sta. 8+83 to Sta. 10+11.0

- NOTES:**
- 8" and 10" Water Mains to be relocated from Sta. 6+00± to Sta. 11+00±
  - Base line for stationing Force Main and Gravity Sewer is  $\pm$  of 54" R.C.P. Force Main.
  - Approximate location of House connections to Gravity Sewer indicated by T, - 6" V.C. north of Gravity Sewer, - 6" C.I. south of Gravity Sewer. See Details Sheet FI-9. Exact location to be determined by Engineer at time of construction.

**I-12-34**

GREELEY AND HANSEN  
ENGINEERS  
CHICAGO, ILL.

CITY OF TAMPA, FLORIDA  
SEWAGE DISPOSAL SYSTEM

DIVISION FI

SEDDON ISLAND FORCE MAIN  
STA. 0+00 TO STA. 13+40.0

AND

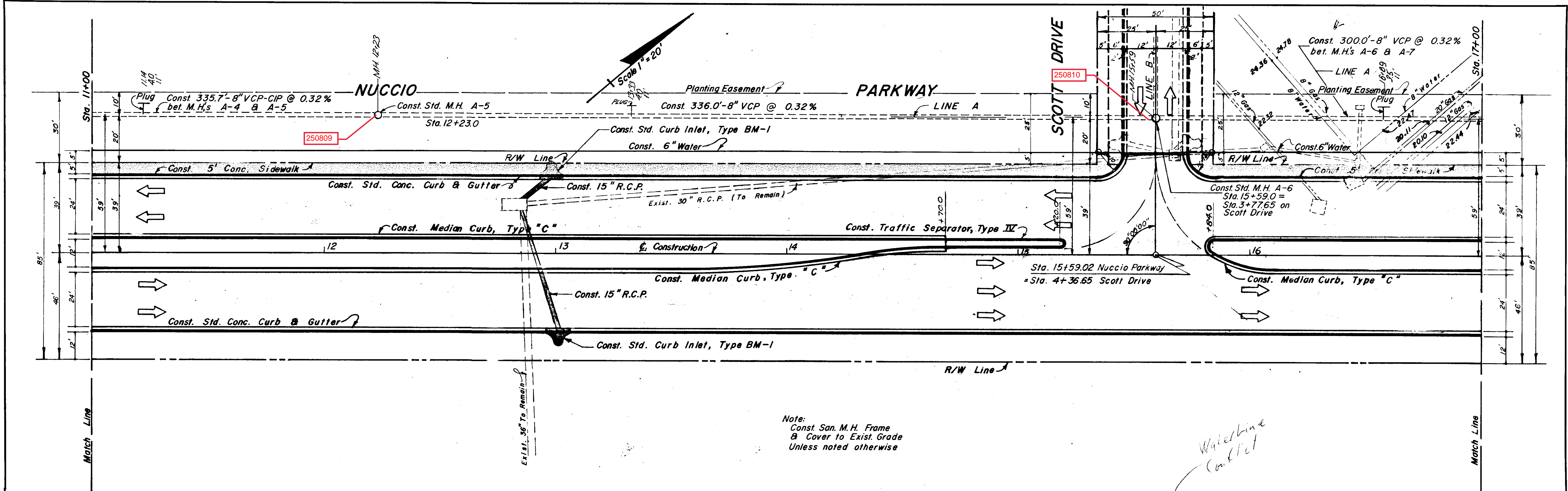
GRAVITY SEWER  
STA. 1+19.7 TO STA. 11+58.2

DES: F.F.L.  
DR: J.W.H.  
CKD: R.E.F.  
DATE: JAN. 1950

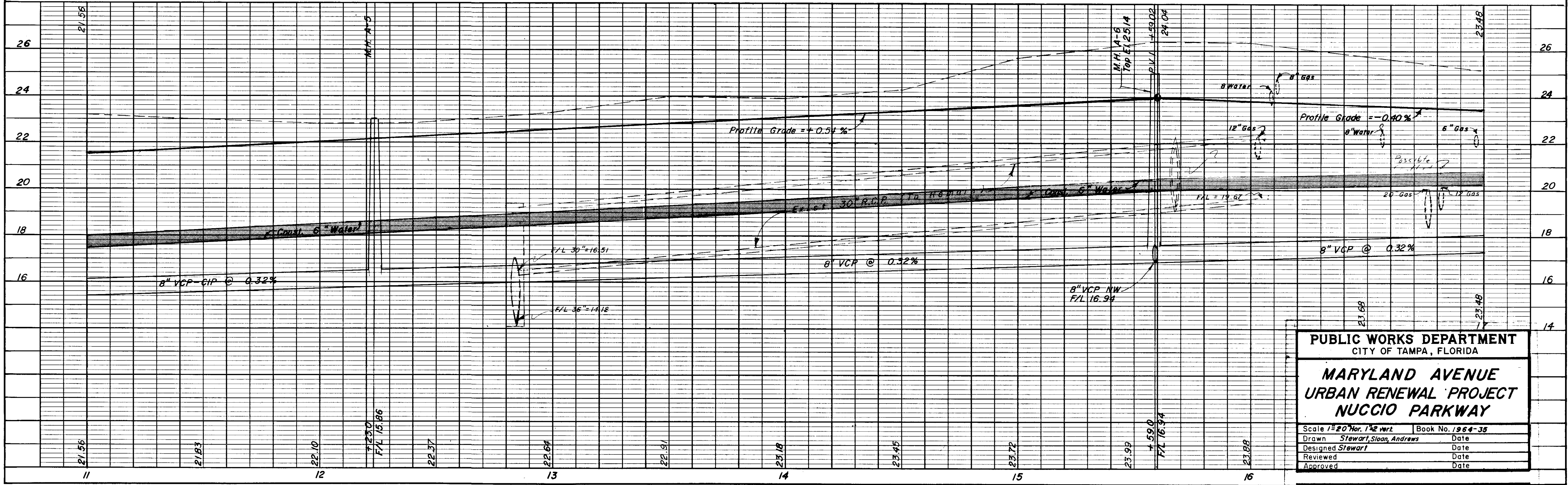
SCALE: 1" = 50'

SHEET: FI-4 OF 10

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	STRUCTURE NOTATION	
	NO. OF WALK CHECKED	



PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	STRUCTURE NOTATION	
	NO. OF WALK CHECKED	



**PUBLIC WORKS DEPARTMENT**  
 CITY OF TAMPA, FLORIDA

**MARYLAND AVENUE**  
**URBAN RENEWAL PROJECT**  
**NUCCIO PARKWAY**

Scale 1"=20' Hor. 1"=2' Vert.	Book No. 1964-35
Drawn Stewart, Sloan, Andrews	Date
Designed Stewart	Date
Reviewed	Date
Approved	Date

NO 7 OF 84 SHEETS FILE NO C-24-1

# MARYLAND AVE. SUB.

SCOTT 17

STREET 16

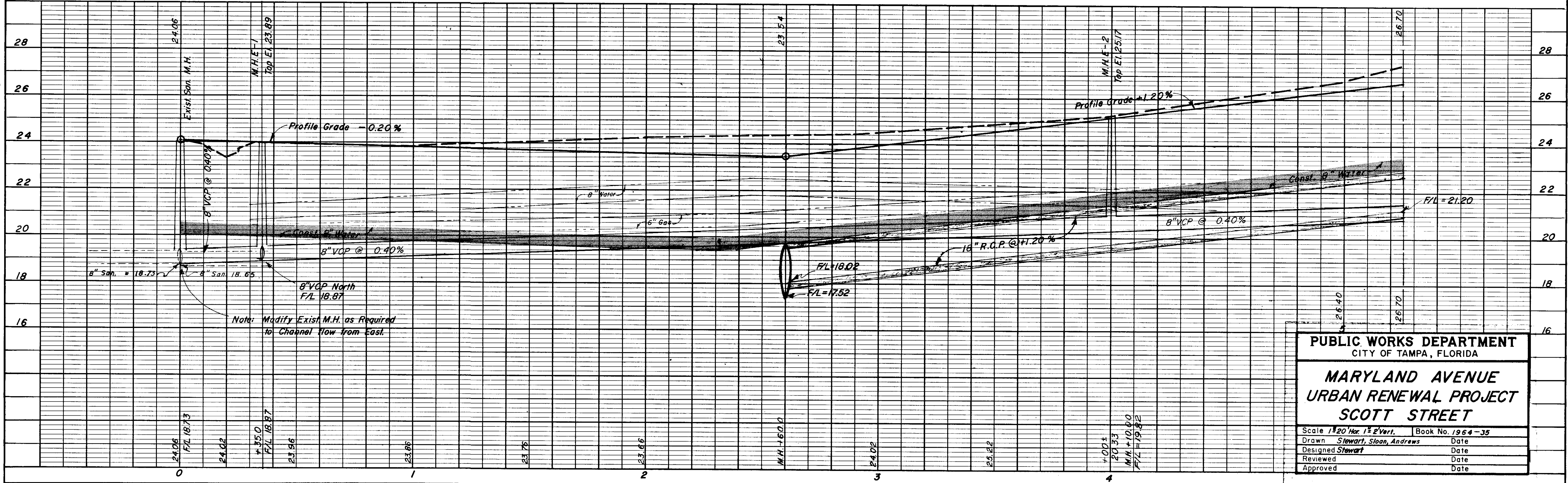
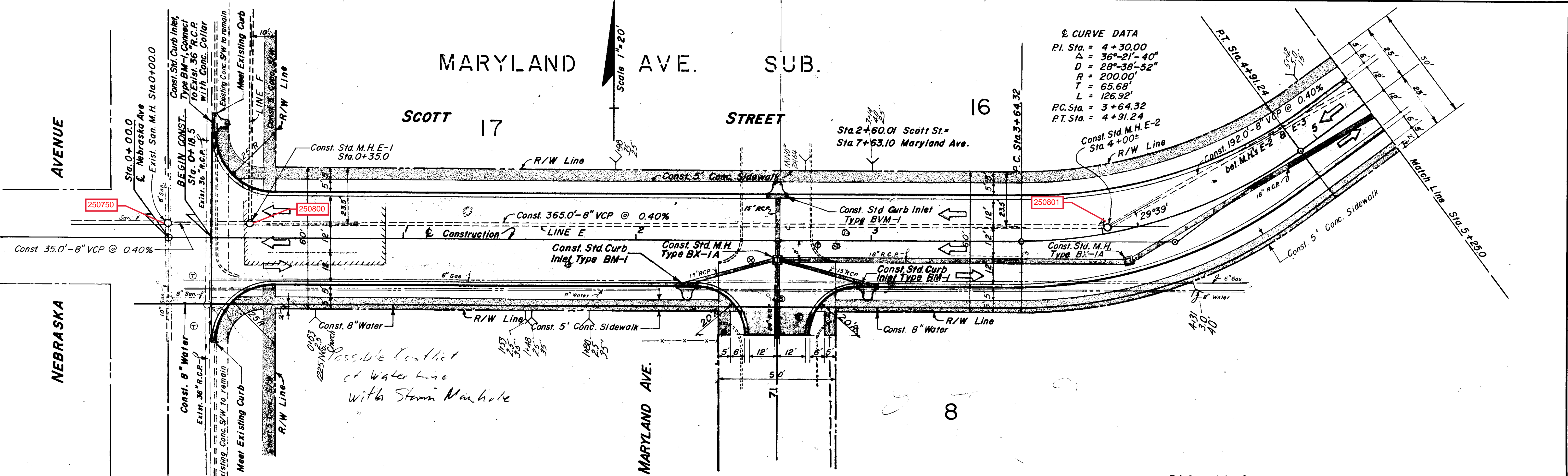
Sta 2+60.01 Scott St. =  
Sta 7+63.10 Maryland Ave.

### Curve Data

P.I. Sta. = 4+30.00  
 $\Delta = 36^\circ 21' 40''$   
 $D = 28^\circ 38' 52''$   
 $R = 200.00'$   
 $T = 65.68'$   
 $L = 126.92'$   
 P.C. Sta. = 3+64.32  
 P.T. Sta. = 4+91.24

PLAN	DATE
SURVEYED	
PLOTTED	
NOTED	
BY	
NO.	

PROFILE	DATE
SURVEYED	
PLOTTED	
NOTED	
BY	
NO.	



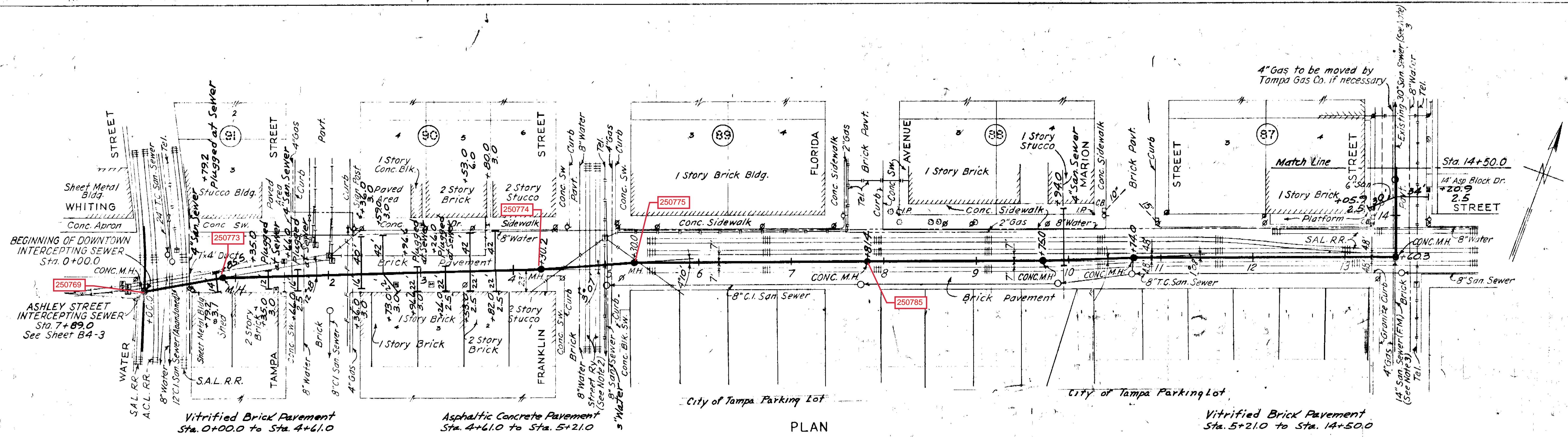
PUBLIC WORKS DEPARTMENT	
CITY OF TAMPA, FLORIDA	
MARYLAND AVENUE	
URBAN RENEWAL PROJECT	
SCOTT STREET	
Scale 1"=20' Hor. 1"=2' Vert.	Book No. 1964-35
Drawn Stewart, Sloan, Andrews	Date
Designed Stewart	Date
Reviewed	Date
Approved	Date

NO 40 OF 84 SHEETS FILE NO C-24-1

35-9

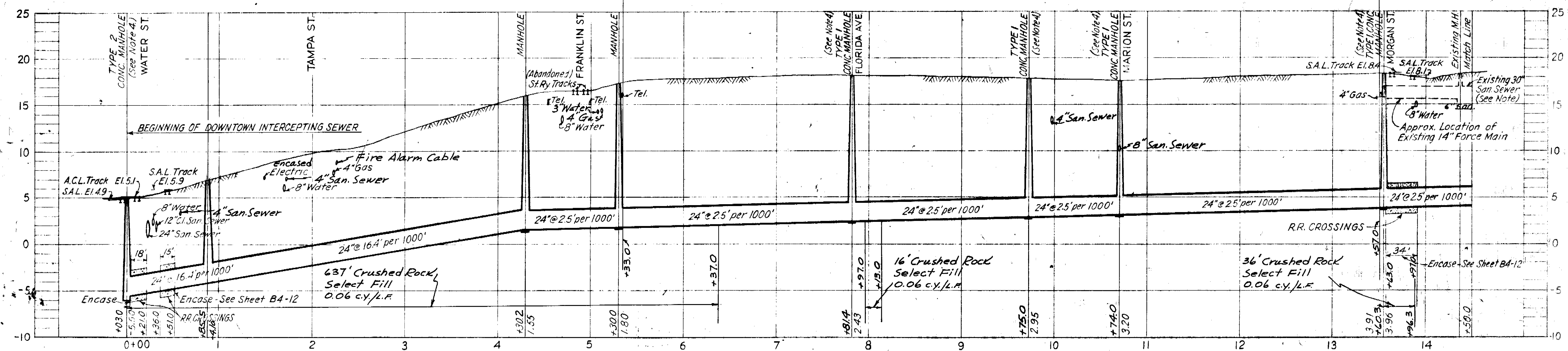
PLATE 1 PLAN - PROFILE B P R STANDARD  
 ENGINE DETROIT CO. CHICAGO - NEW YORK





PLAN

PIPE TO BE LAID IN CLASS "D" CONCRETE CRADLE - For Details See Sheet B4-12



PROFILE

SEWER LINE LOCATION	
LINE NO.	1-12-45

Note: Note:  
Existing live house connections at time of construction of new sewer.

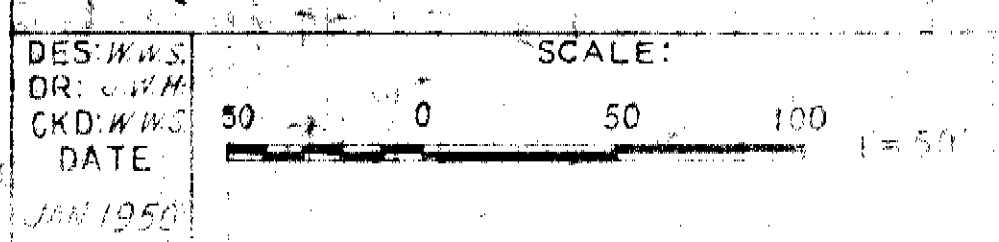
Address	Station	Direction
103- Tampa St.	1+46.0	S
115- Whiting St.	2+36.0	N
105- Tampa St.	2+59.0	N
109- Whiting St.	3+53.0	N
Seaboard Airline R.R.	4+94.0	N
Bishop & Perry @ Morgan & Whiting St.	14+05.9	W

- NOTE:
- 10 House connections to be installed to new sewer between Water St. and Franklin St. Location as directed by Engineers.
  - Street Ry. tracks to be removed and replaced by 24" V.C. San. Sewer. Connections to the existing sewers to be reconnected to new sewer, and all existing manholes to be removed and new manholes to be built as shown.
  - For Details of Conc. M.H. - Types 1 & 2, See Sheet B4-10

AS-BUILT PLAN  
Revised to show actual conditions according to construction records as of 10-31-51 (J.J.S. 11-27-51)

CITY OF TAMPA, FLORIDA  
SEWAGE DISPOSAL SYSTEM  
DIVISION B4

DOWNTOWN INTERCEPTING SEWER  
STA. 0+00 TO STA. 14+50

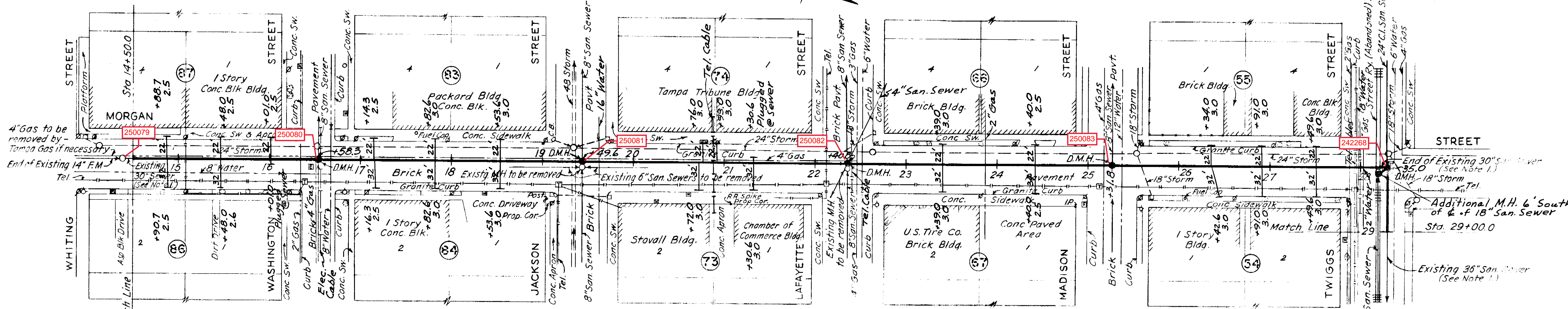


GREELEY AND HANSEN  
ENGINEERS  
CHICAGO, ILL.

GENERAL MAP OF TAMPA

GENERAL MAP OF TAMPA

GENERAL MAP OF TAMPA



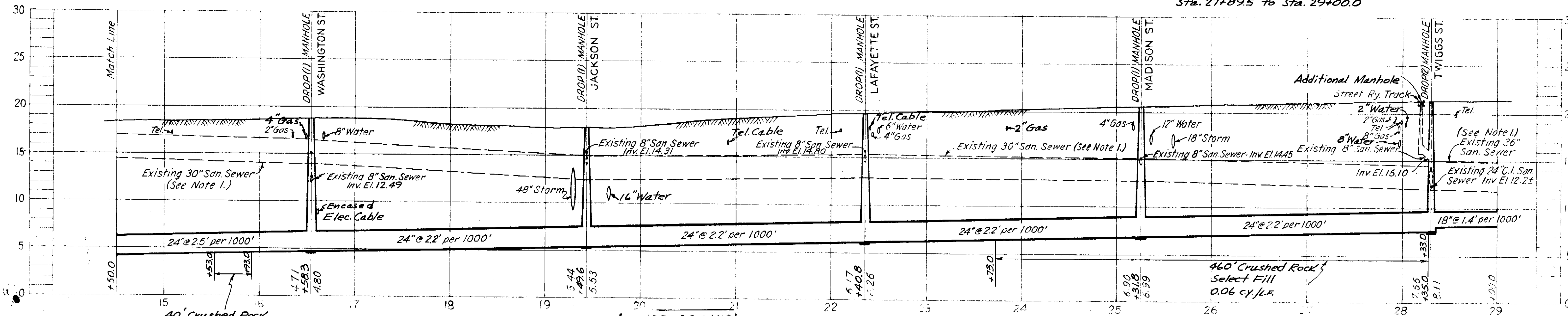
Vitrified Brick Pavement  
Sta. 14+50.0 to Sta. 22+10.3

Asphaltic Concrete Pavement  
Sta. 22+10.3 to Sta. 22+73.2

PLAN

Vitrified Brick Pavement  
Sta. 22+73.2 to Sta. 27+89.5

Single Surface Treatment Pavement  
over main trench.  
1" cold-mix asphalt over house  
connection trenches.  
Sta. 27+89.5 to Sta. 29+00.0



PROFILE

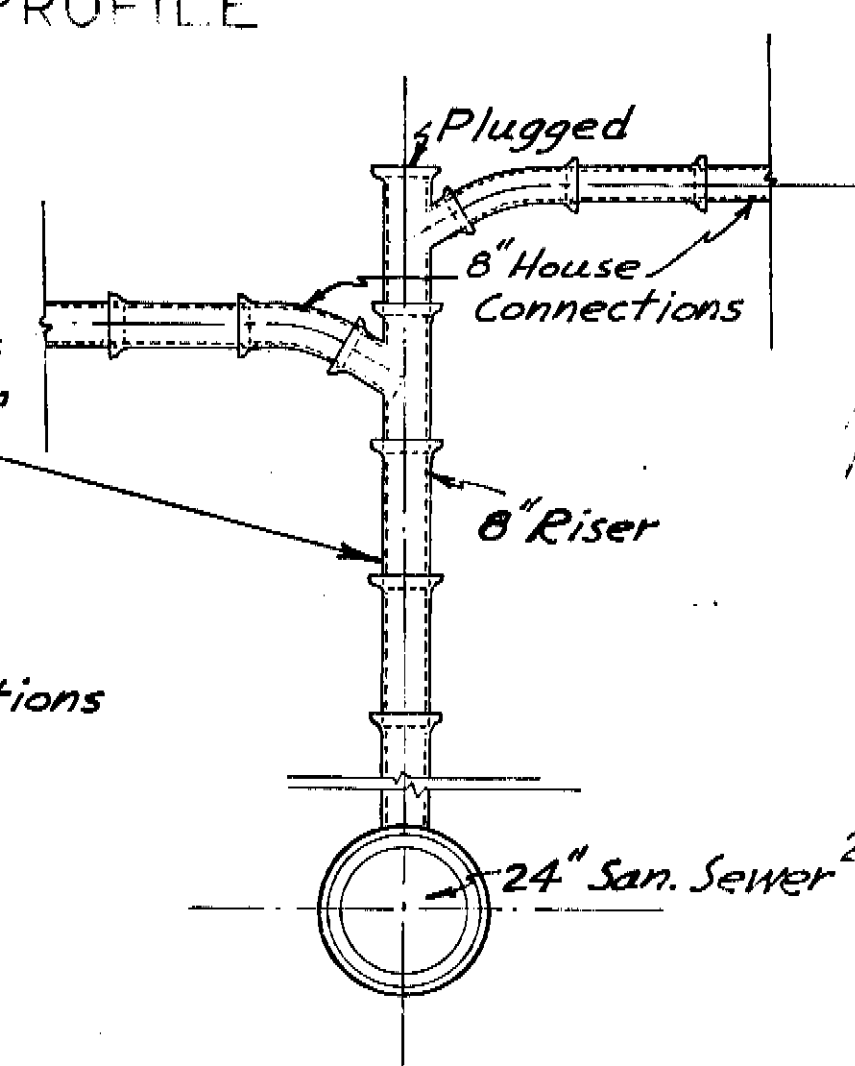
Note:

Existing live house connections at time of construction of new sewer (6" size)  
Address Station Direction  
508-Morgan St. 26+91.0 W  
509-Morgan St. 27+49.6 E

Note:

Extra strength Southern Vitrified Clay Pipe of 8" size used in lieu of 6" size as risers & house connections @ time of construction of new sewer.

Address	Station	Direction	Notes
Tribune Bldg.	20+72.0	E	Live House Connections
Stovall Prof. Bldg.	20+76.0	W	
Tribune Bldg.	20+93.6	W	
U.S. Tire Co.	24+40.0	E	
505 & 507 Morgan St.	26+42.6	E	Not Live
	24+40.0	W	
	26+34.0	W	



NOTE:

1. Existing 30" Seg. B1 San. Sewer in Morgan St. and Existing 36" Seg. B1 San. Sewer in Twiggs St. to be removed and replaced by the 24" V.C. San. Sewer and 18" V.C. San. Sewer respectively. Connections to these existing sewers to be re-connected to new sewers. All existing manholes to be removed and new manholes to be built as shown.  
2. Street Ry. tracks to be removed by Tampa Elec. Co.

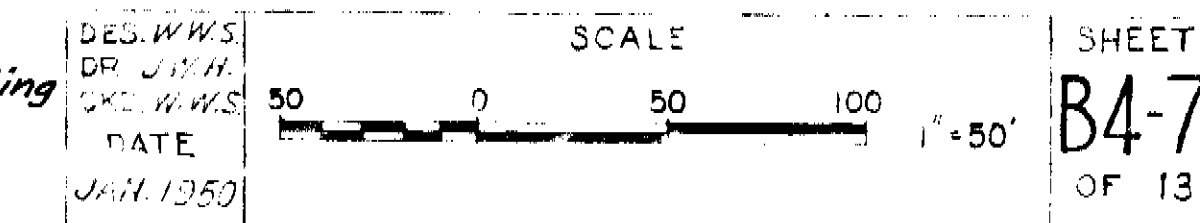
CITY OF TAMPA, FLORIDA  
SEWAGE DISPOSAL SYSTEM  
DIVISION B4

DOWNTOWN INTERCEPTING SEWER  
STA. 14+50 TO STA. 29+00

GREENE AND HANSEN  
ENGINEERS  
CHICAGO, ILL.

AS-BUILT PLAN

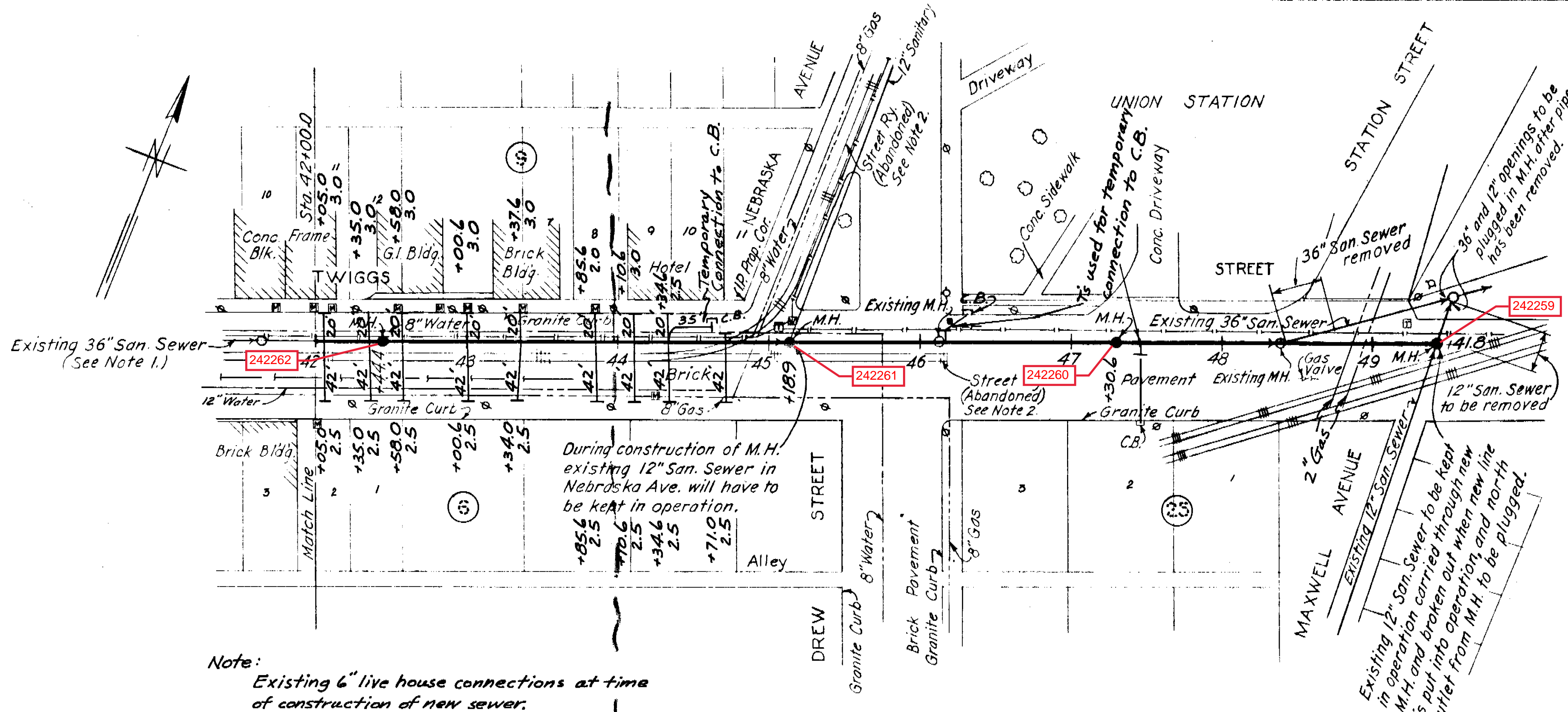
Revised to show actual conditions according to construction records as of: 10-31-51 (I.J.S. 11-30-51)



58-3

Note:  
Existing live house connections at time  
of construction of new sewer.

Address	Station	Direction
803-E. Madison St.	4+32.0	E
407-Jefferson St.	4+56.4	E
403-Jefferson St.	4+79.0	E

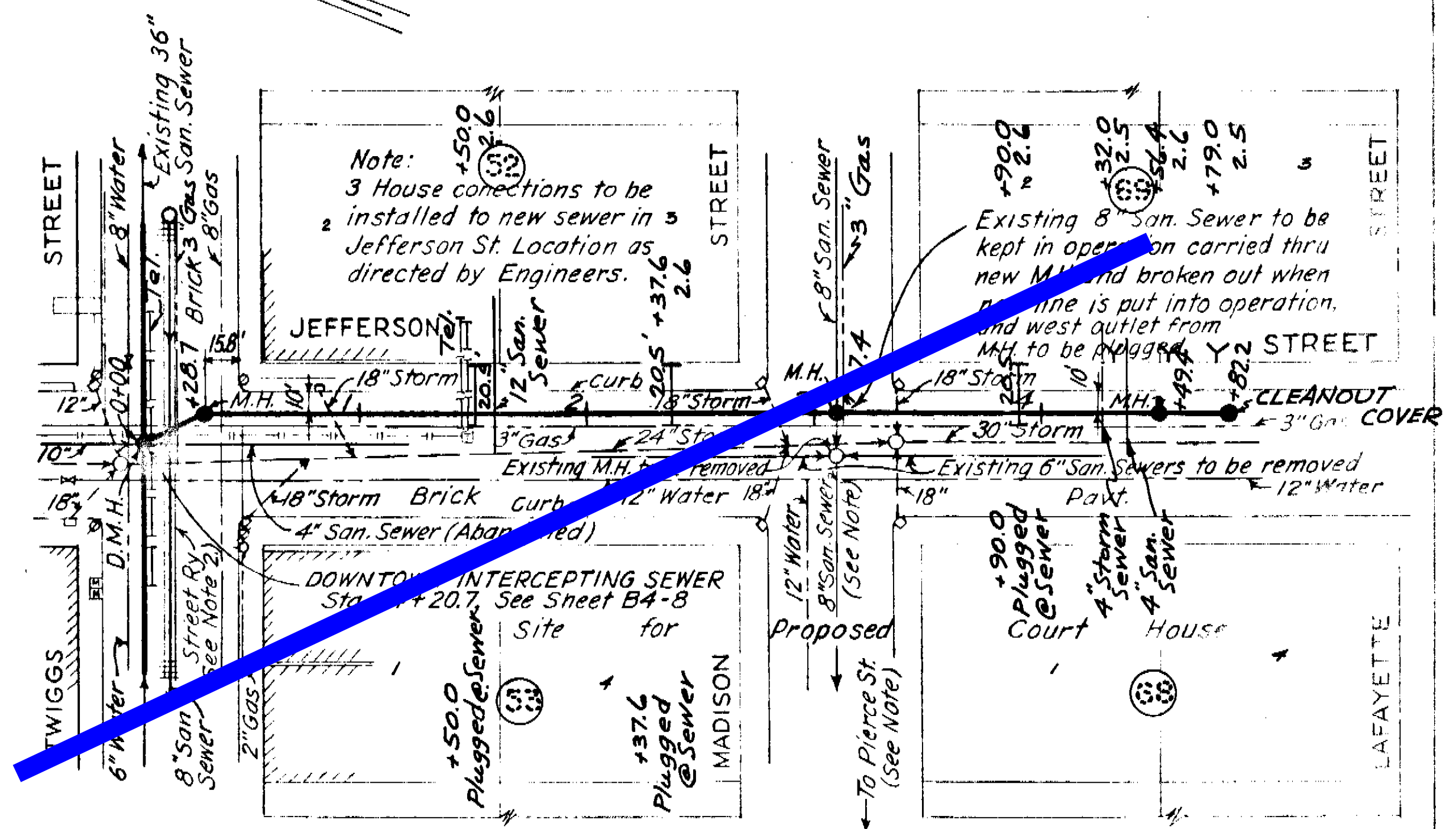


Note:  
Existing 6" live house connections at time  
of construction of new sewer.

Address	Station	Direction
938-Twigg's St.	42+05.0	N
942-Twigg's St.	42+58.0	N
950-Twigg's St.	43+37.6	N
956-Twigg's St.	43+85.6	N
961-Twigg's St.	44+34.6	S

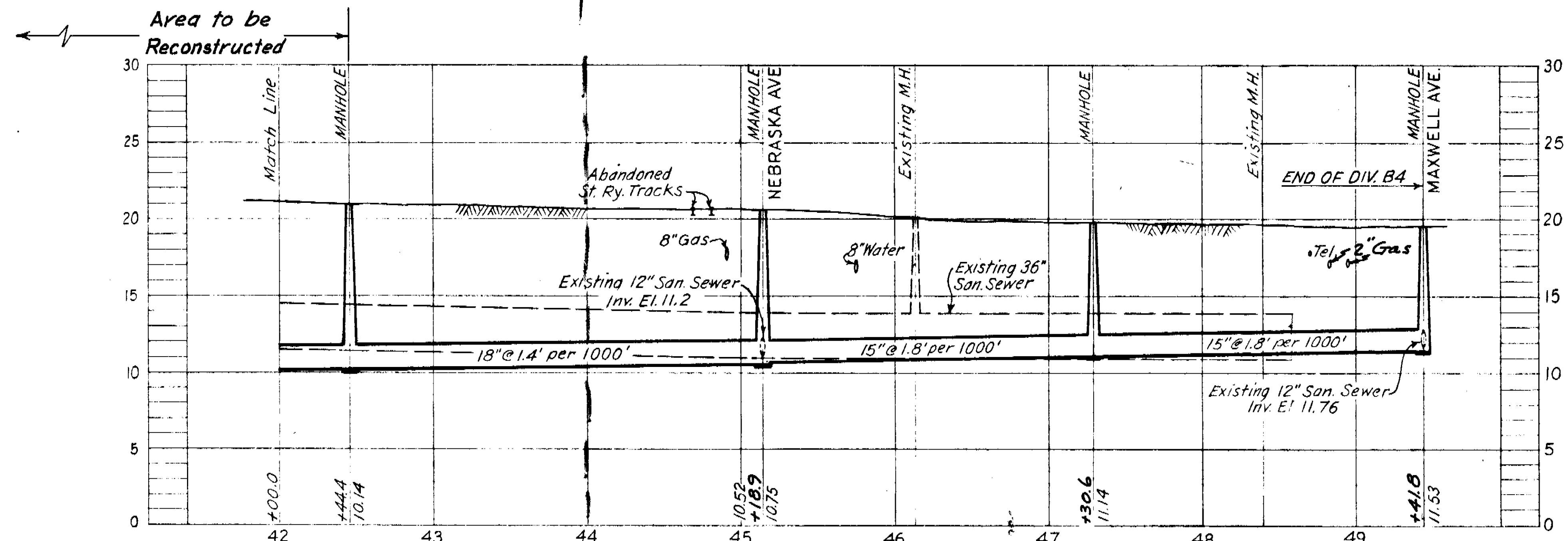
PLAN

Single Surface Treatment Pavement  
over main trench.  
1" ckt-mix asphalt over house connection  
trenches.  
Sta. 42+00.0 to Sta. 49+41.8

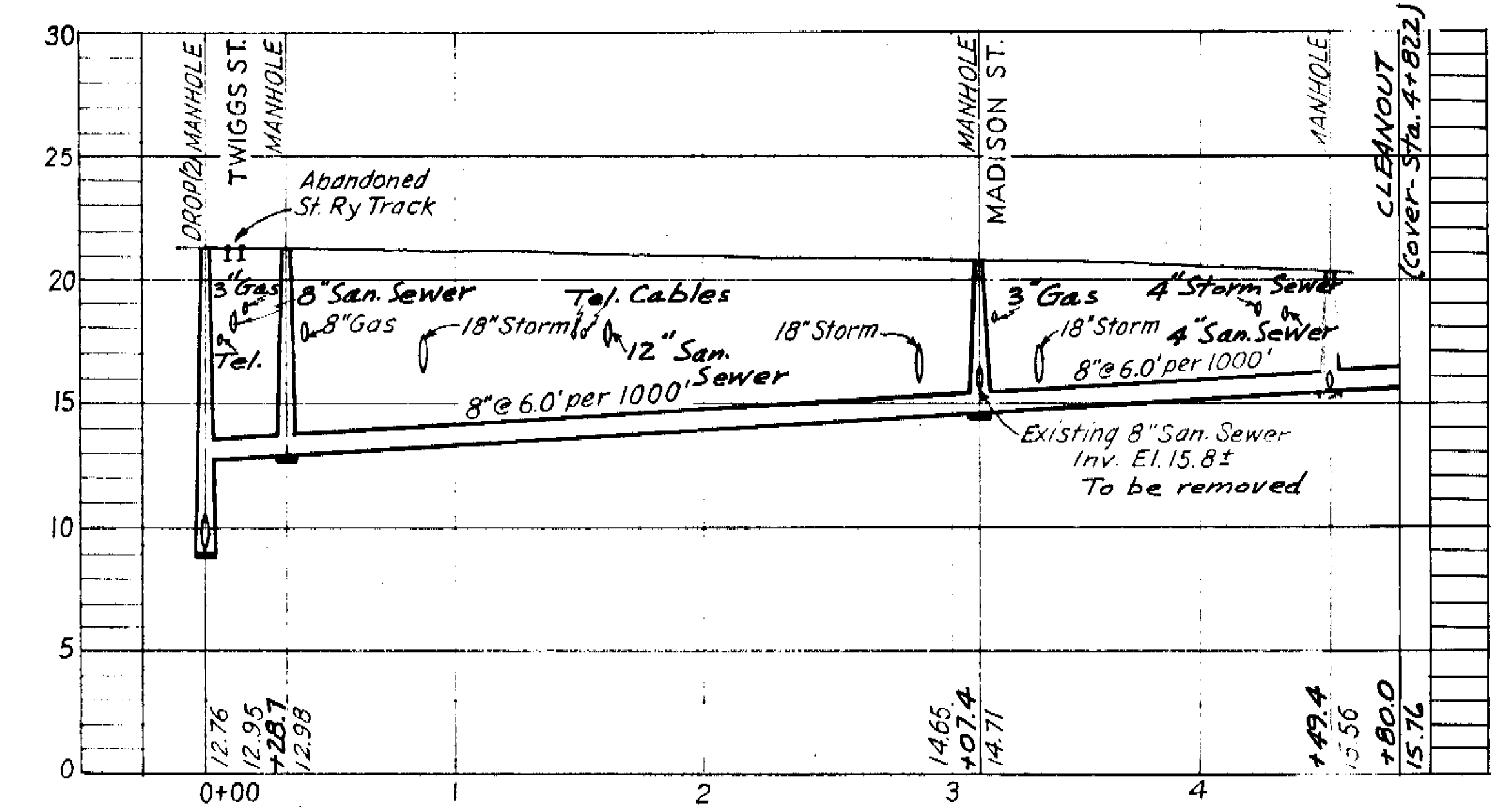


Vitrified Brick Pavement  
Sta. 0+00.0 to Sta. 4+83.7

PLAN



PROFILE



PROFILE

JEFFERSON ST. CONNECTING SEWER

Note: Existing 8" San. Sewer in Madison St. to be removed from proposed M.H. at Sta 3+07.4 to west property line of Jefferson St. Also, from east property line of Pierce St. to Existing M.H. at Pierce St. and Madison St. not shown on this drawing.

SEWER LINE LOCATION  
SEC. MAP NO. | LINE NO.  
1-12-49

SEWER LINE LOCATION  
SEC. MAP NO. | LINE NO.  
1-13-29

SEWER LINE LOCATION  
SEC. MAP NO. | LINE NO.  
H-12-49

NOTE:  
1. Existing 36" Seg. B1 San Sewer Twigg's St. to be removed and replaced by 18" and 15" V.C. San. Sewer. Connections to the existing sewer to be reconnected to new sewer, and all existing manholes to be removed and new manholes to be built as shown.  
2. Street Ry. tracks to be removed by Tampa Elec. Co.

GREELEY AND HANSEN  
ENGINEERS  
CHICAGO, ILL.

AS-BUILT PLAN  
Revised to show actual conditions according  
to construction records as of 10-31-51  
(J.J.S. 12-4-51)

CITY OF TAMPA, FLORIDA  
SEWAGE DISPOSAL SYSTEM  
DIVISION B4  
DOWNTOWN INTERCEPTING SEWER  
STA. 42+00 TO STA. 49+41.8  
AND  
JEFFERSON ST. CONNECTING SEWER

DES. BY S. DR. J.W.H.  
CHK. BY S. DATE  
JAN. 1950

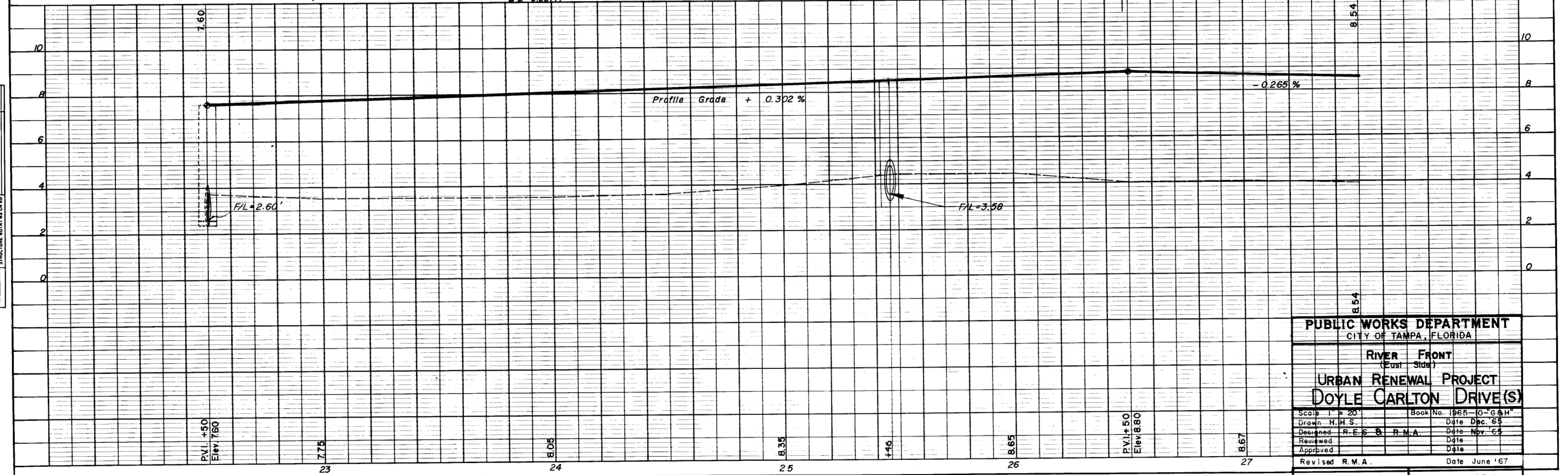
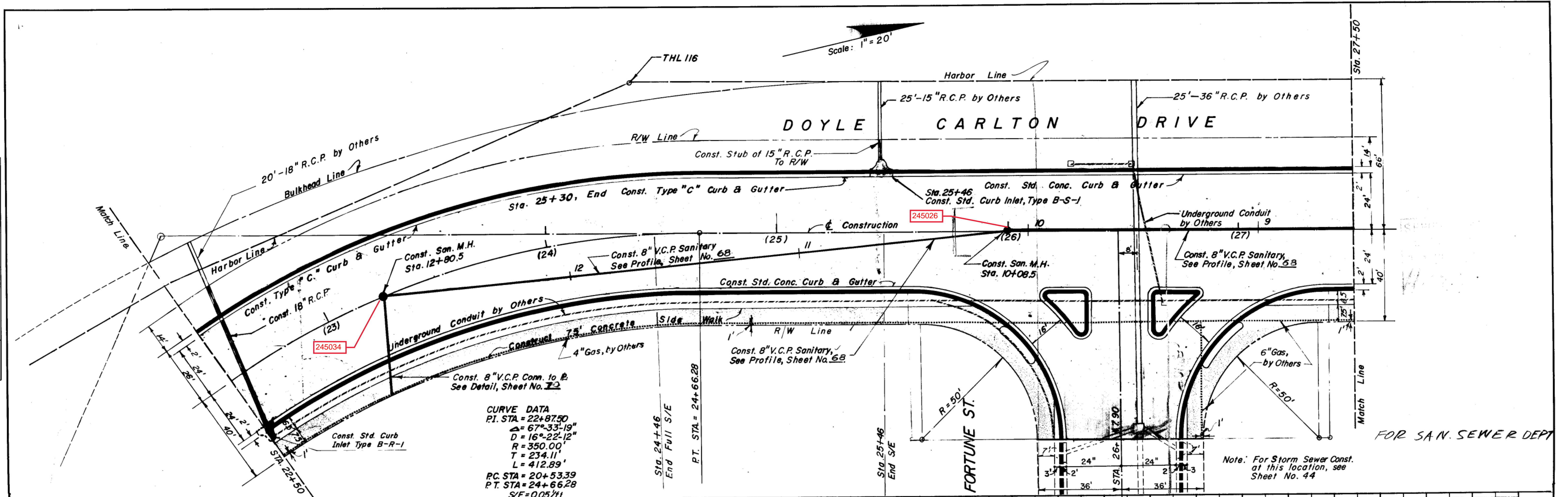
SCALE  
0 50 100  
1" = 50'

SHEET  
B4-9  
OF 13

38-10

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	



PUBLIC WORKS DEPARTMENT  
CITY OF TAMPA, FLORIDA

RIVER FRONT  
(East Side)

URBAN RENEWAL PROJECT  
DOYLE CARLTON DRIVE(S)

Scale 1" = 20' Book No. 1965-10-64H  
 Drawn H.H.S. Date Dec. 65  
 Designed R.E.S. & R.M.A. Date Nov. 65  
 Reviewed Date  
 Approved Date

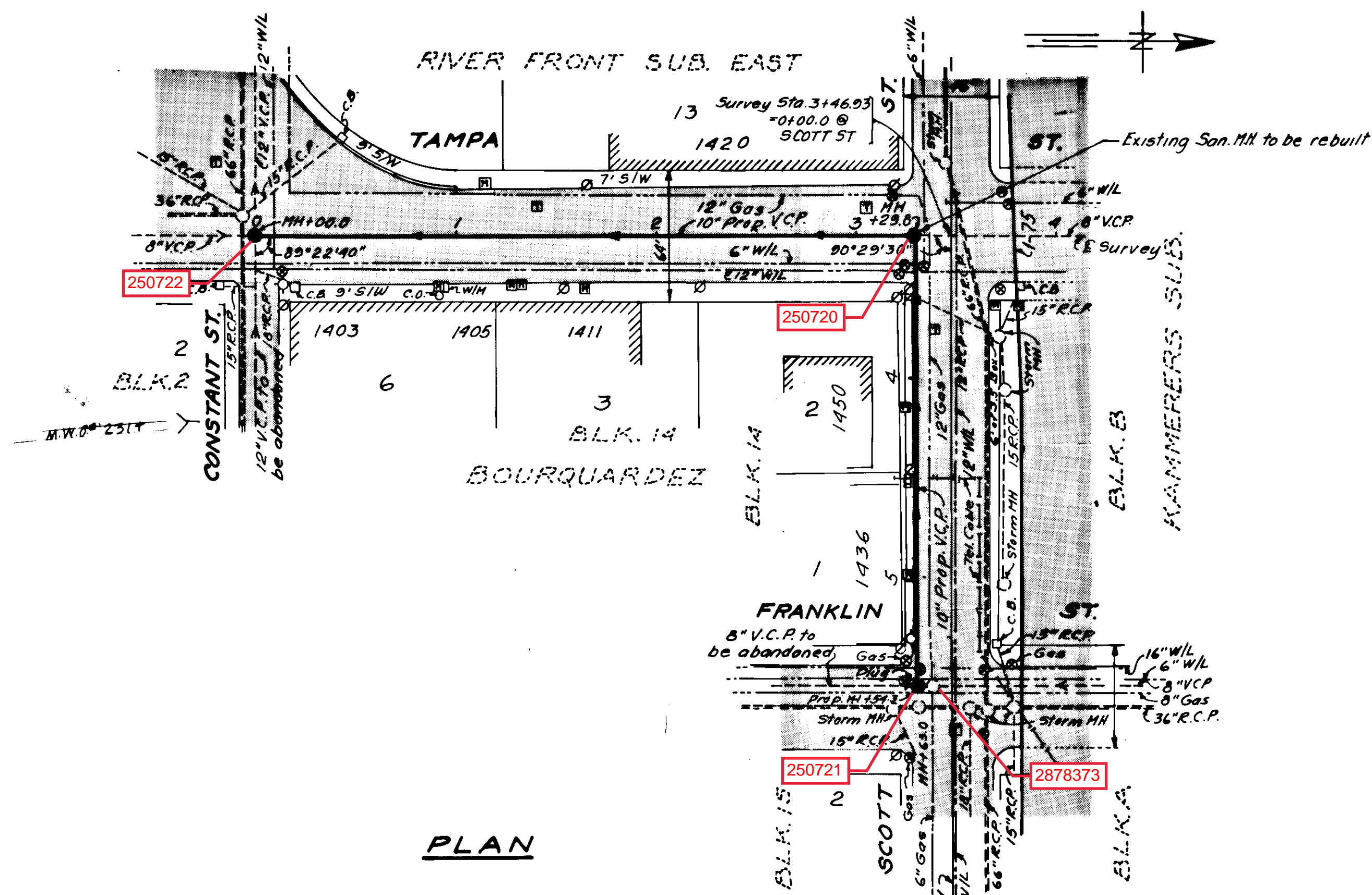
Revised R.M.A. Date June '67

NO. OF SHEETS FILE NO C-25-1

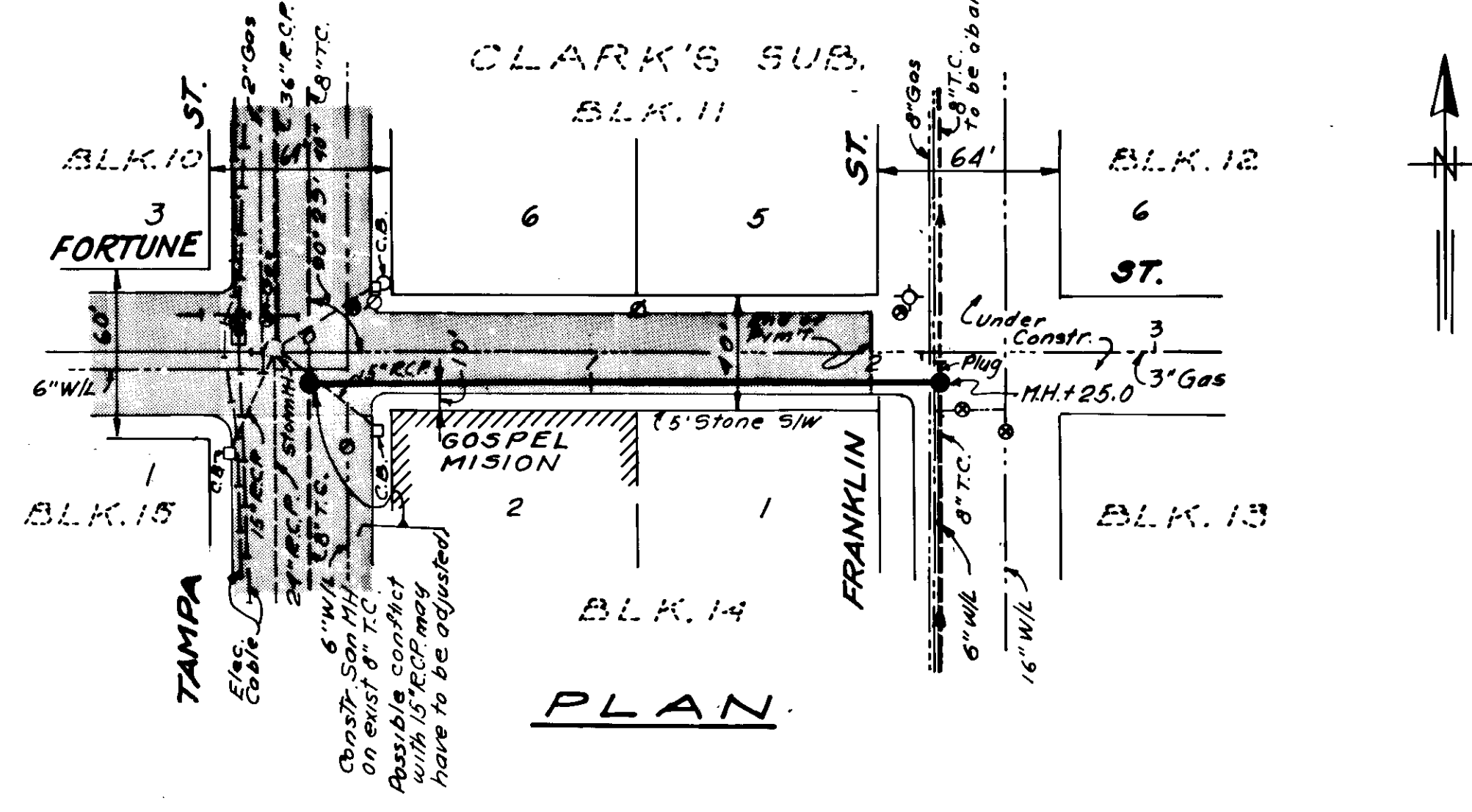
PLATE 1 PLAN - PROFILE B.P.R. STANDARD  
EUGENE DETSCHER CO. CHICAGO - NEW YORK



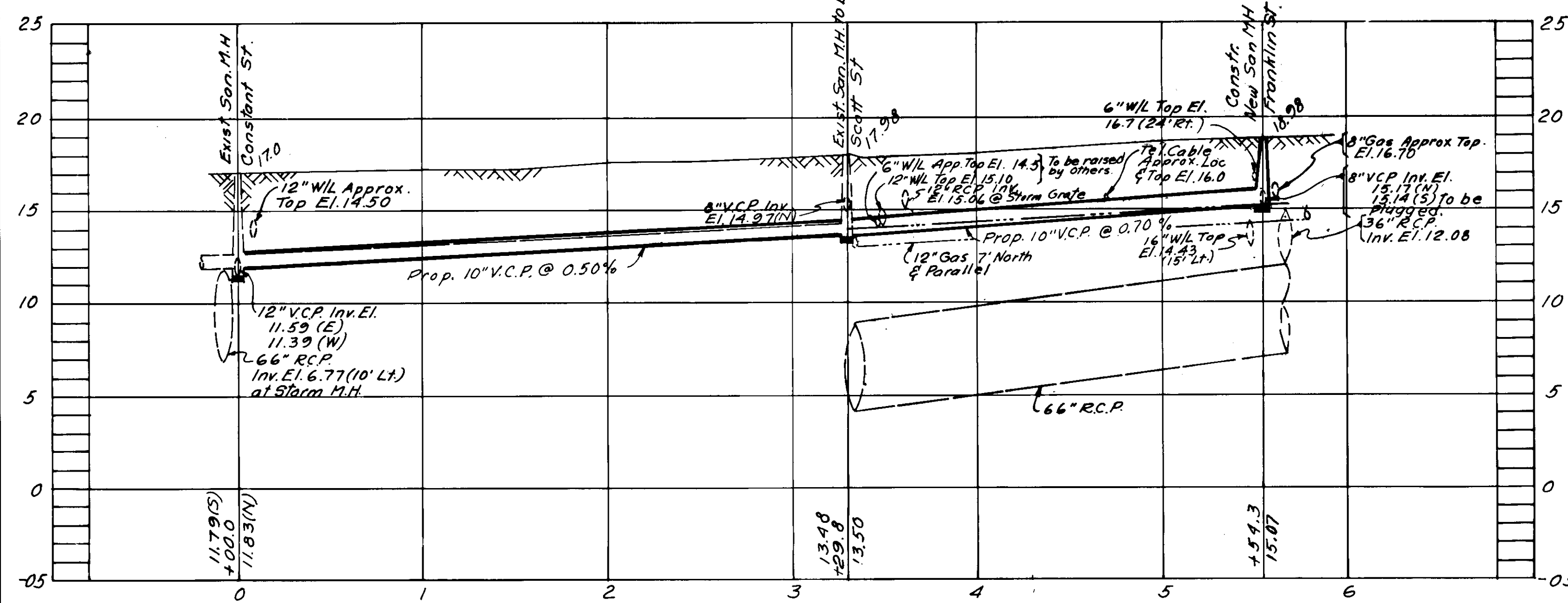




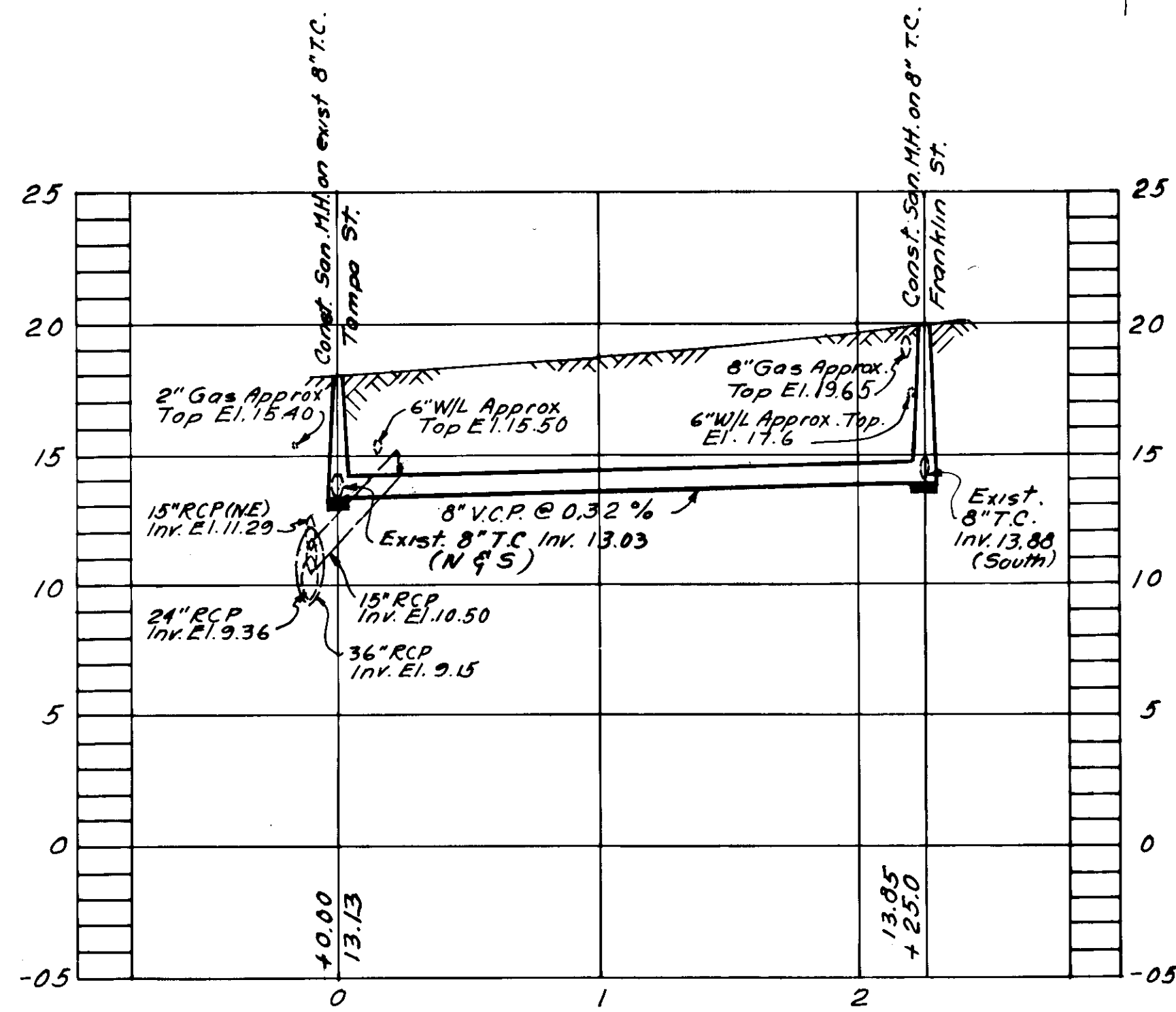
PLAN



PLAN



PROFILE



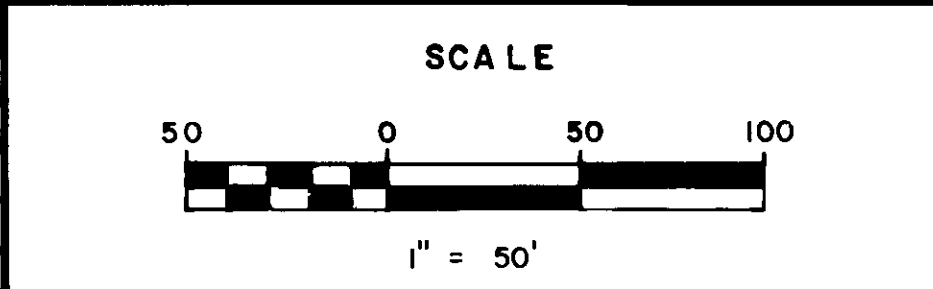
PROFILE

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

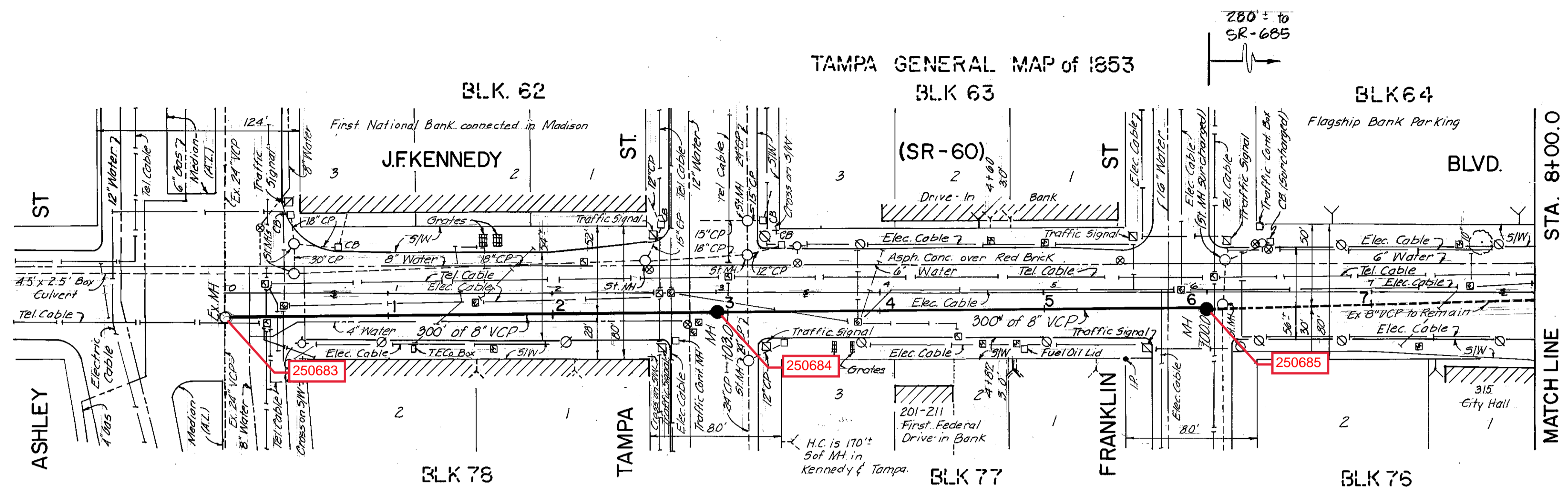
N <sup>o</sup>	DATE	REVISIONS
1		
2		
3		
4		
5		



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

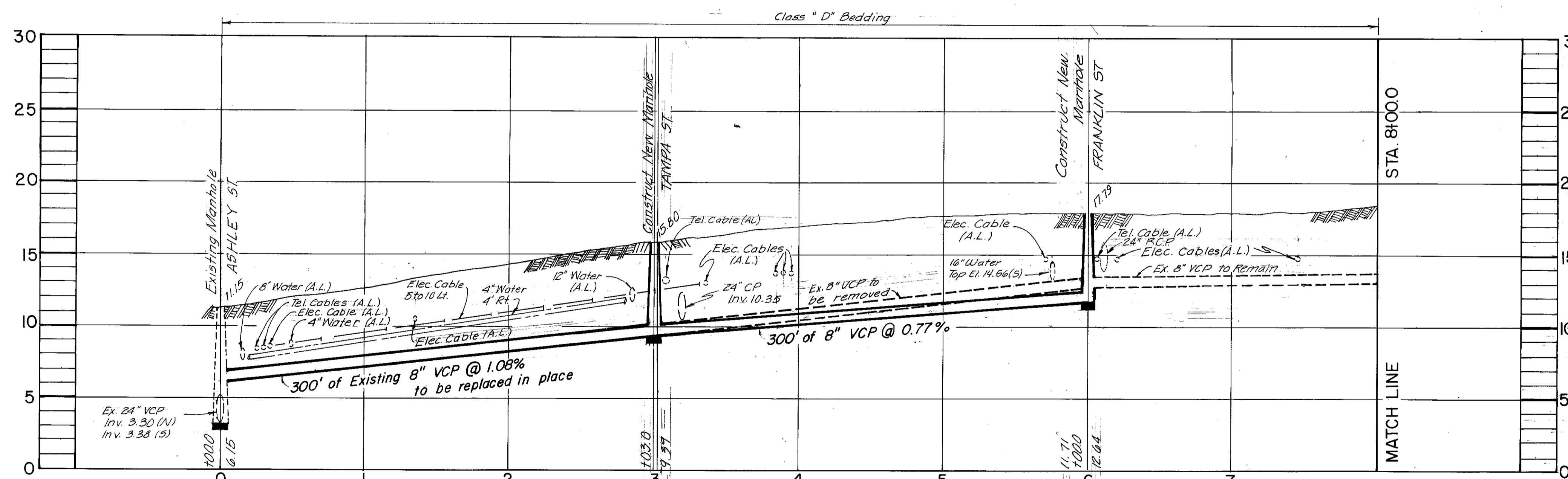
TAMPA ST.: From Constant St. to Scott St.  
SCOTT ST.: From Tampa St. to Franklin St.  
FORTUNE ST.: From Tampa St. to Franklin St.

SHEET  
OF



PLAN

TBM Elev. 18.69  
 "D" Cut PI 51W, NE corner Florida and Kennedy.



PROFILE  
 WO 5424

- Note:
- Location of existing underground utilities has been prepared from the most reliable information available. Verify the location and depth of all pertinent utilities prior to commencement of construction. Notify the utility companies at least 48 hours prior to beginning construction.
  - Service connections shown in plan view are:
    - representative locations of existing connections of unknown locations.
    - existing service connections (approximate locations known)
    - proposed service connections
 Service connections should be replaced or installed as indicated above to provide service to curb line for each lot.
  - Many inactive service connections may exist. Replace in place only those service connections that are active unless directed by Fred Townsend at the time of construction. The Inspector and the Contractor will jointly determine which service connections are active.
  - Compaction to be done to D.O.T. specifications
  - Disturbed pavement to be replaced in accordance with Section 125-9 of the D.O.T. spec.

AS BUILT

5-1-79 YHK

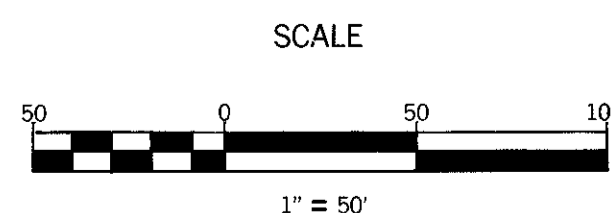
BRUNING 44-132 29917

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

DES: JMR  
 DRN: YHK  
 CKD: JEM  
 DATE: 12/6/78

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

No	DATE	REVISIONS
1	4-79	Sewer Line Raised
2		
3		
4		
5		



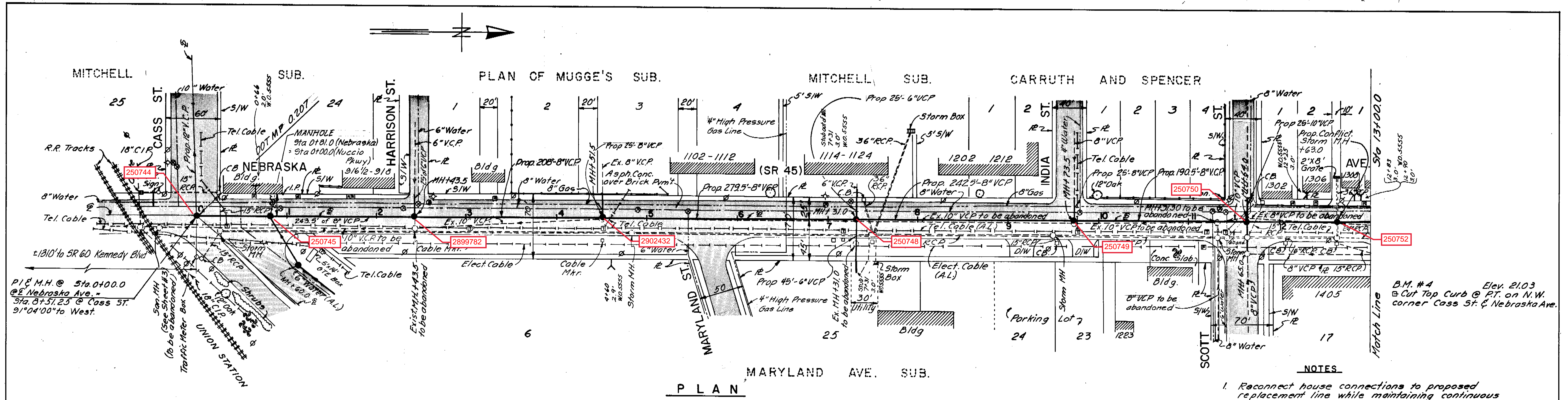
DEPARTMENT of SANITARY SEWERS  
 CITY of TAMPA, FLORIDA  
 RENEWAL & REPLACEMENT  
 SEWER IMPROVEMENT

J.F.KENNEDY BLVD: Ashley to Sta. 8+00.0  
 SECTION 10080-6518

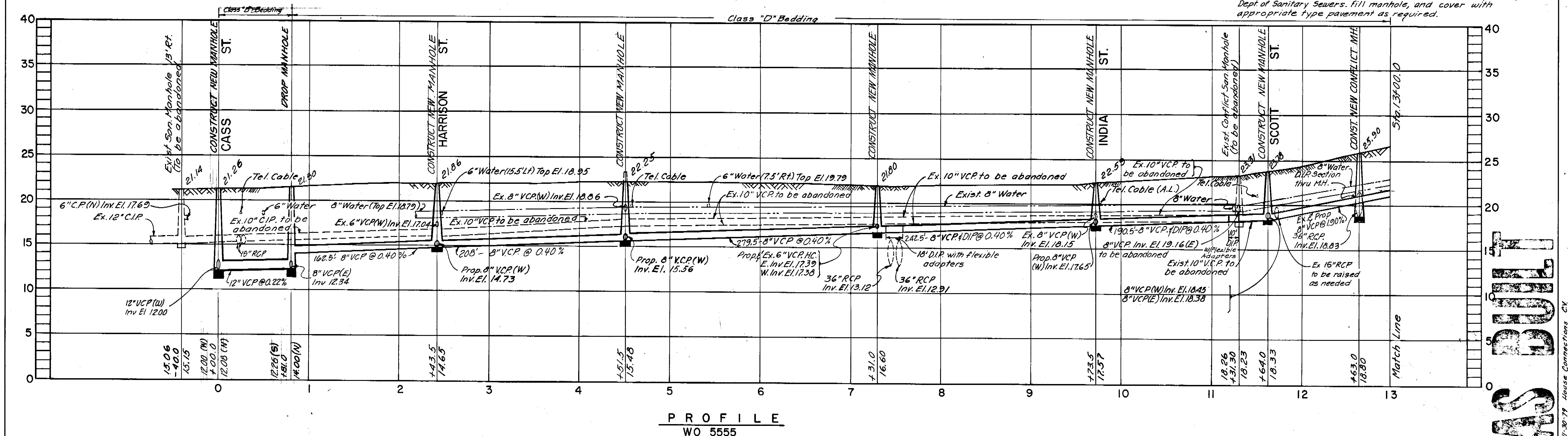
SHEET

OF

147-5



- NOTES**
1. Reconnect house connections to proposed replacement line while maintaining continuous sewage flow.
  2. Existing house connections are approximate. Exact locations are to be determined in the field and H.C.s are to be replaced to the curb line.
  3. Compaction to be done to DOT specifications.
  4. Disturbed pavement to be replaced in accordance with Section 125-9 of the DOT specifications.
  5. Utility locations are approximate. Notify proper authorities prior to beginning construction.
  6. Existing lines in North and south streets to be rebuilt to the limits of DOT ROW and reconnected to existing lines.
  7. Where an existing manhole is to be abandoned or removed, salvage all manhole frames and covers and deliver to the City of Tampa Dept. of Sanitary Sewers. Fill manhole, and cover with appropriate type pavement as required.

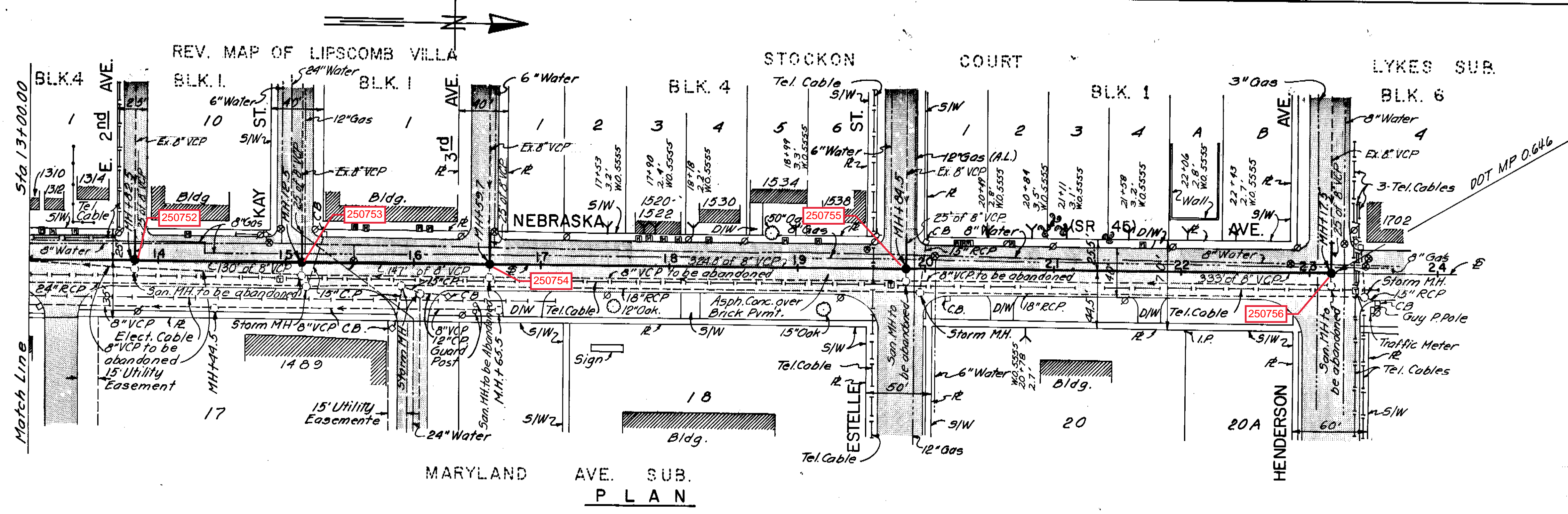


**AS BUILT**

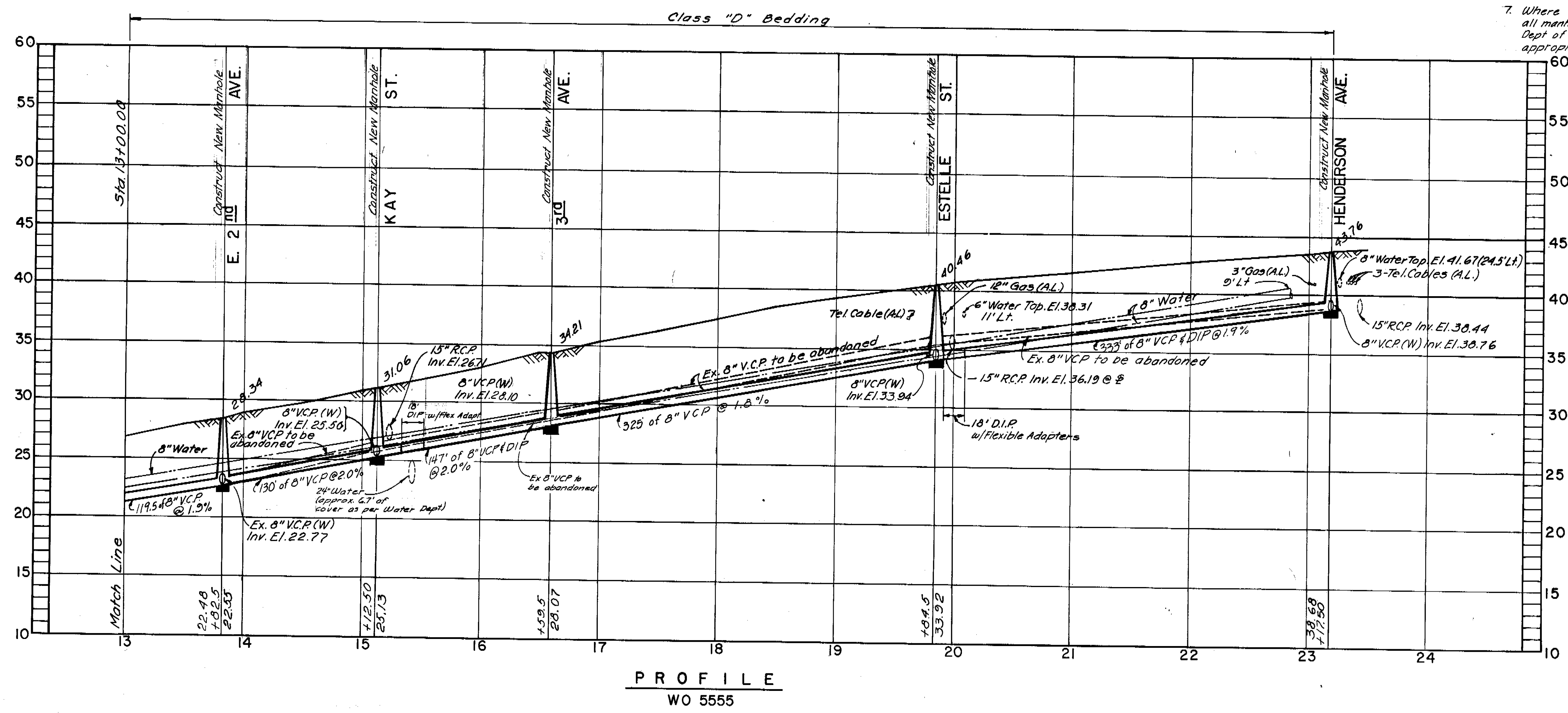
11-30-79 House Connections CK

 ELTON G. SMITH, P.E. # 19872 CHIEF ENGINEER DEPARTMENT OF SANITARY SEWERS	DES: J.M.R.	APPROVED BY	<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>6-6-79</td> <td>RAISE GRADE - STA 0+00 TO STA 0+10.0</td> </tr> <tr> <td>2</td> <td>11-30-79</td> <td>House Connections Added</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>	NO.	DATE	REVISIONS	1	6-6-79	RAISE GRADE - STA 0+00 TO STA 0+10.0	2	11-30-79	House Connections Added	3			4			5		
	NO.	DATE		REVISIONS																	
	1	6-6-79		RAISE GRADE - STA 0+00 TO STA 0+10.0																	
	2	11-30-79		House Connections Added																	
	3																				
4																					
5																					
DRN: CLO/CA	 J.W. SILLIMAN, P.E., DIRECTOR DEPARTMENT OF SANITARY SEWERS.	SCALE	DEPARTMENT of SANITARY SEWERS CITY of TAMPA, FLORIDA RENEWAL & REPLACEMENT SEWER IMPROVEMENT	SHEET <b>2</b> of 4																	
CKD:					NEBRASKA AVE.: From Cass St. to Sta. 13+00.0 SECTION 10040-6517																
DATE:																					

150-33



- NOTES**
1. Reconnect house connections to proposed replacement line while maintaining continuous sewage flow.
  2. Existing house connections are approximate. Exact locations are to be determined in the field and H.C.s are to be replaced in place to curb line.
  3. Compaction to be done to DOT specifications.
  4. Disturbed pavement to be replaced in accordance with Section 125-9 of the DOT specifications.
  5. Utility locations are approximate. Notify proper authorities prior to beginning construction.
  6. Existing lines in East streets to be replaced at existing slope to the limits of DOT R/W, and reconnected to existing lines.
  7. Where an existing manhole is to be abandoned or removed salvage all manhole frames and covers and deliver to the City of Tampa, Dept. of Sanitary Sewers. Fill manhole, and cover with appropriate type pavement as required.



**AS BUILT**  
 11-30-79 House Connections C.V.

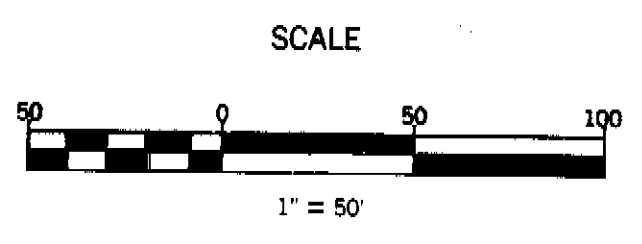
DRAWING 44 13 29517

DESIGNED BY  
*Elton G. Smith*  
 ELTON G. SMITH, P.E. # 19872  
 CHIEF ENGINEER  
 DEPARTMENT OF SANITARY SEWERS

DESIGNER  
 DRN: *ced*  
 CKD:  
 DATE:

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

NO.	DATE	REVISIONS
1	11-30-79	House Connections Added
2		
3		
4		
5		



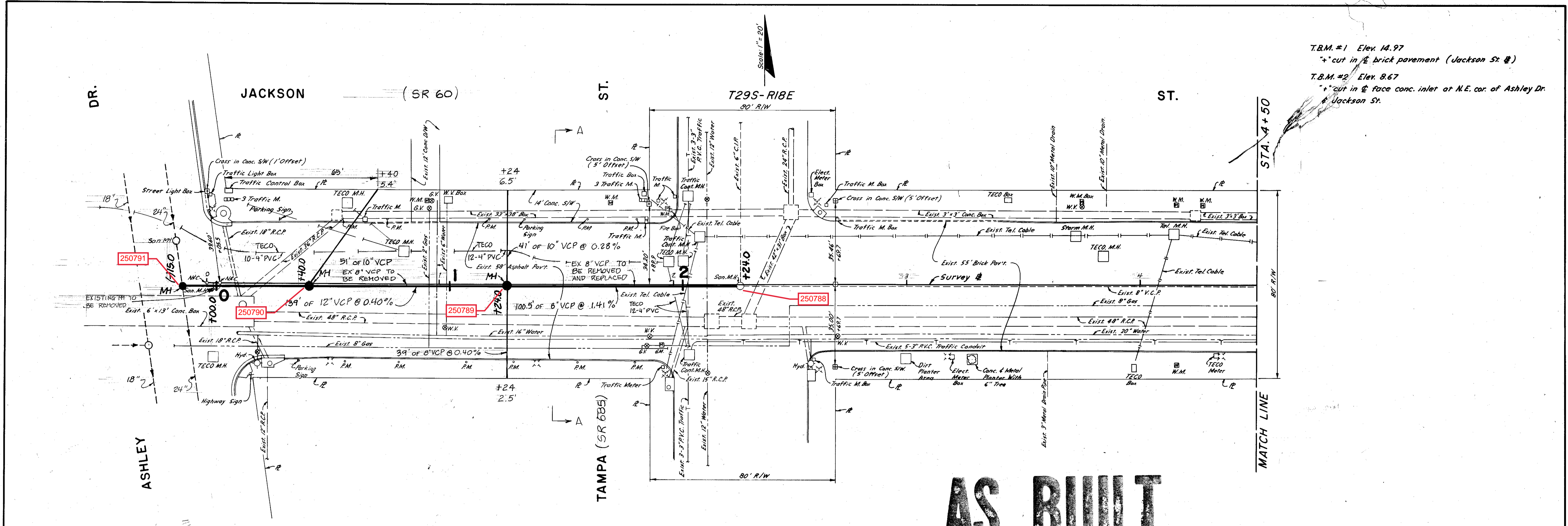
DEPARTMENT OF SANITARY SEWERS  
 CITY OF TAMPA, FLORIDA  
 RENEWAL & REPLACEMENT  
 SEWER IMPROVEMENT

NEBRASKA AVE: Sta. 13+00.00 to Henderson  
 SECTION 10040-6517

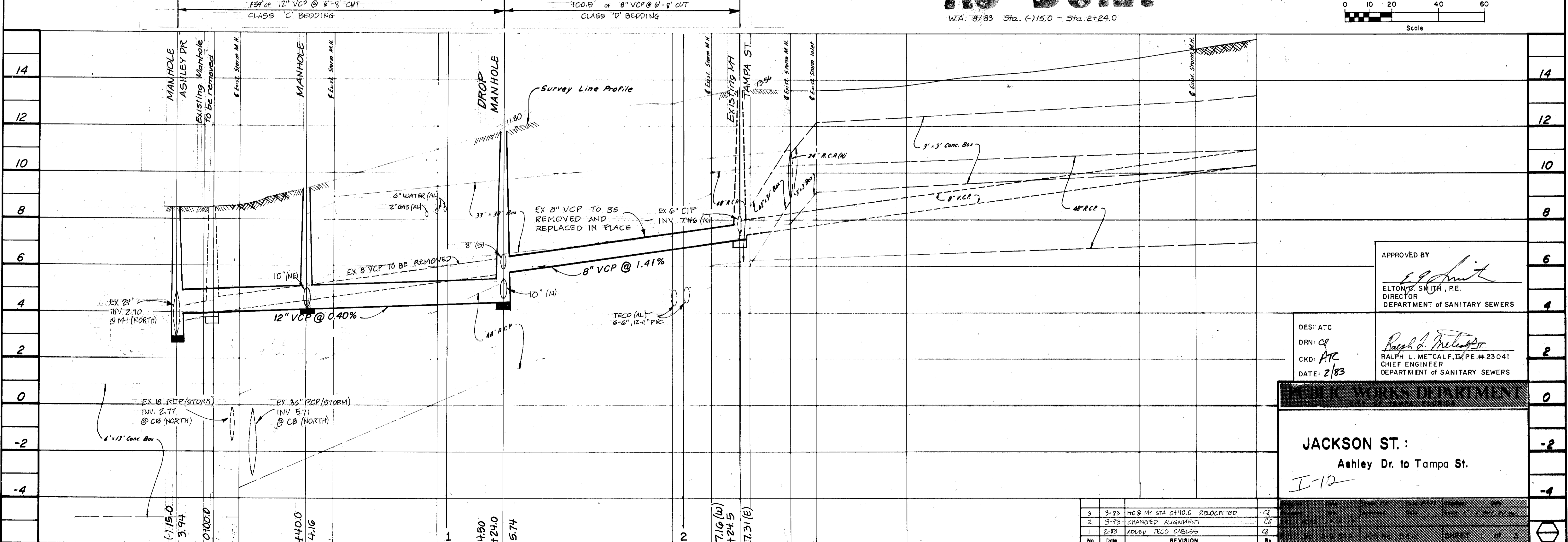
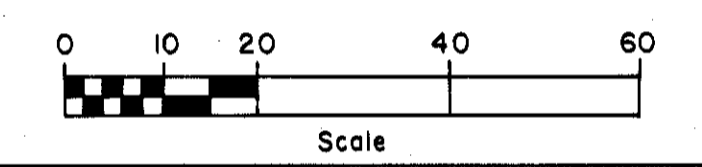
SHEET  
**3**  
 OF 4

150-34

T.B.M. #1 Elev. 14.97  
 "x" cut in brick pavement (Jackson St @)  
 T.B.M. #2 Elev. 8.67  
 "x" cut in face conc. inlet at N.E. cor. of Ashley Dr. & Jackson St.



**AS BUILT**  
 W.A. 8/83 Sta. (+)15.0 - Sta. 2+24.0



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

DES: ATC  
 DRN: CR  
 CKD: ATC  
 DATE: 2/83

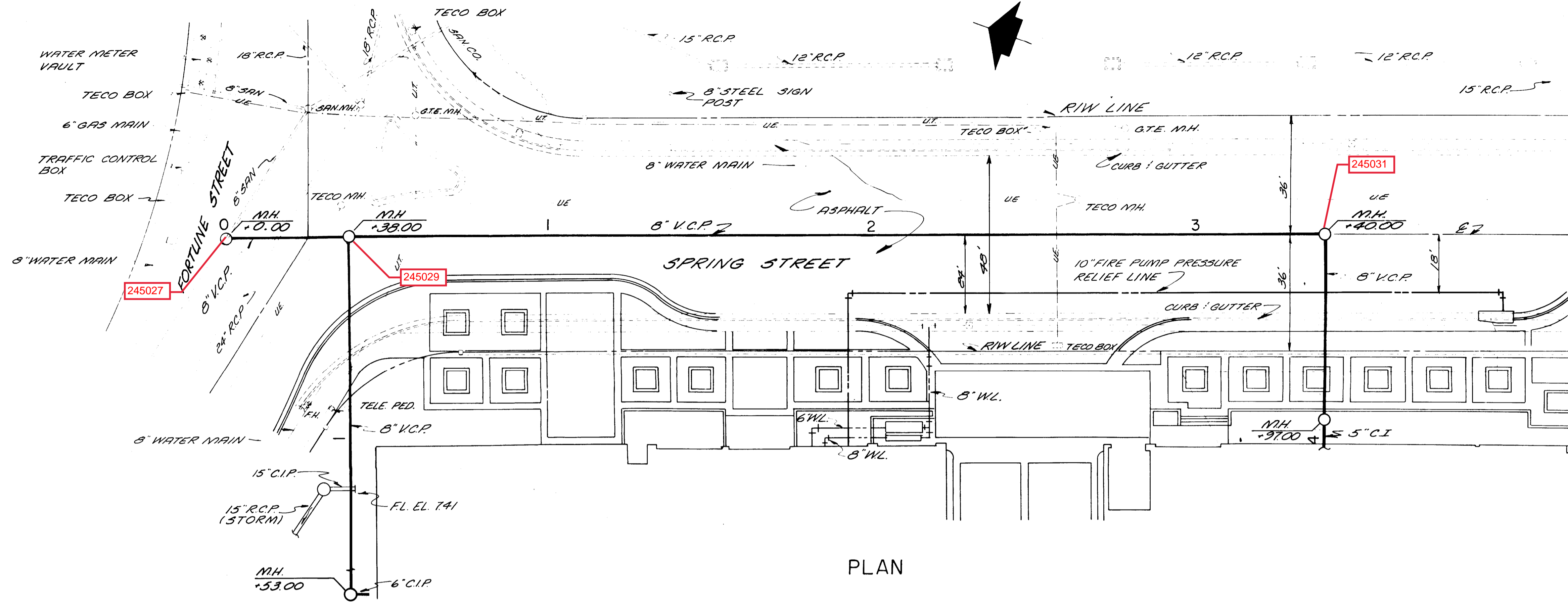
*Ralph L. Metcalf, II*  
 RALPH L. METCALF, II, P.E. #23041  
 CHIEF ENGINEER  
 DEPARTMENT OF SANITARY SEWERS

**PUBLIC WORKS DEPARTMENT**  
 CITY OF TAMPA, FLORIDA

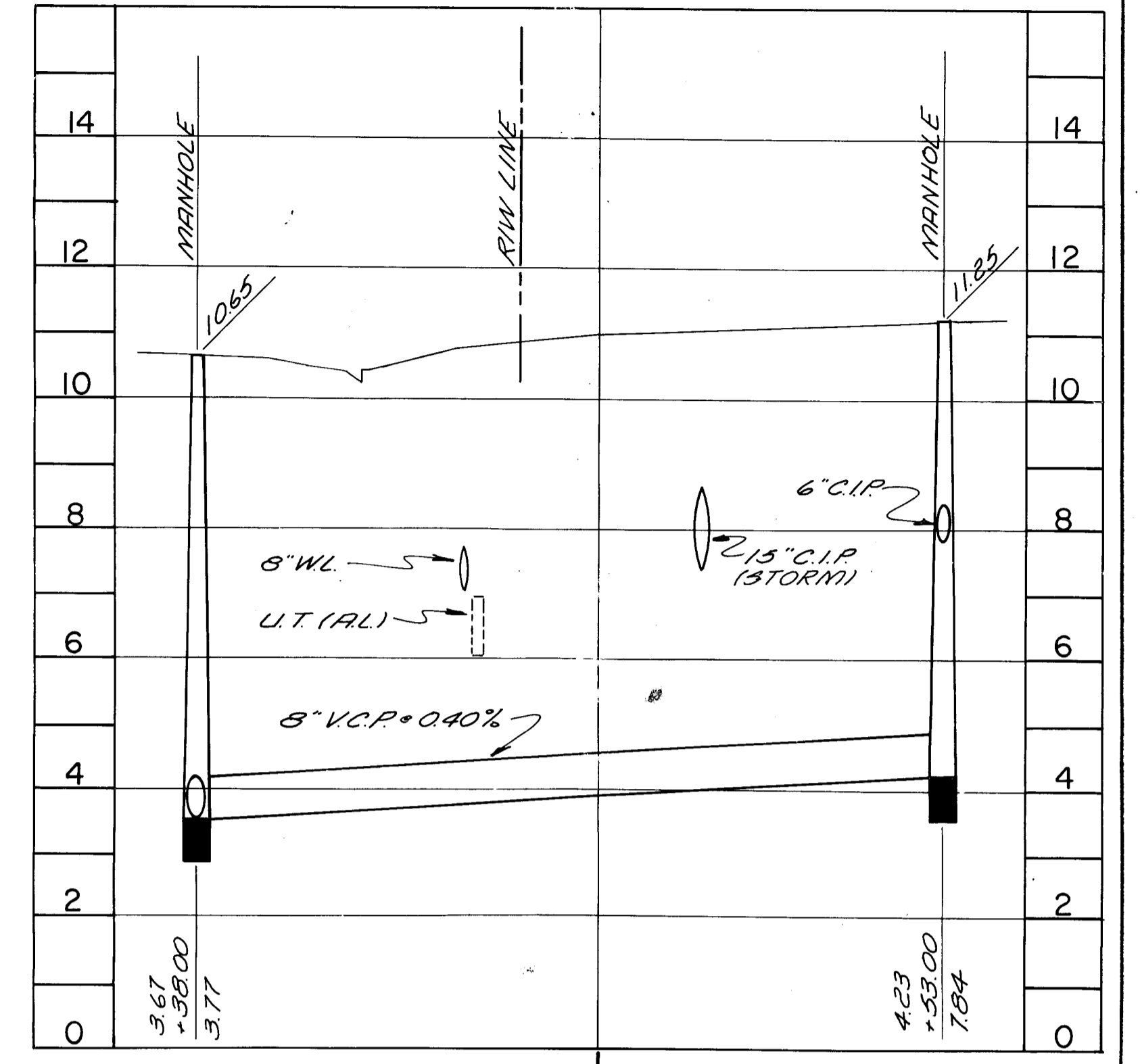
**JACKSON ST. :**  
 Ashley Dr. to Tampa St.

I-12

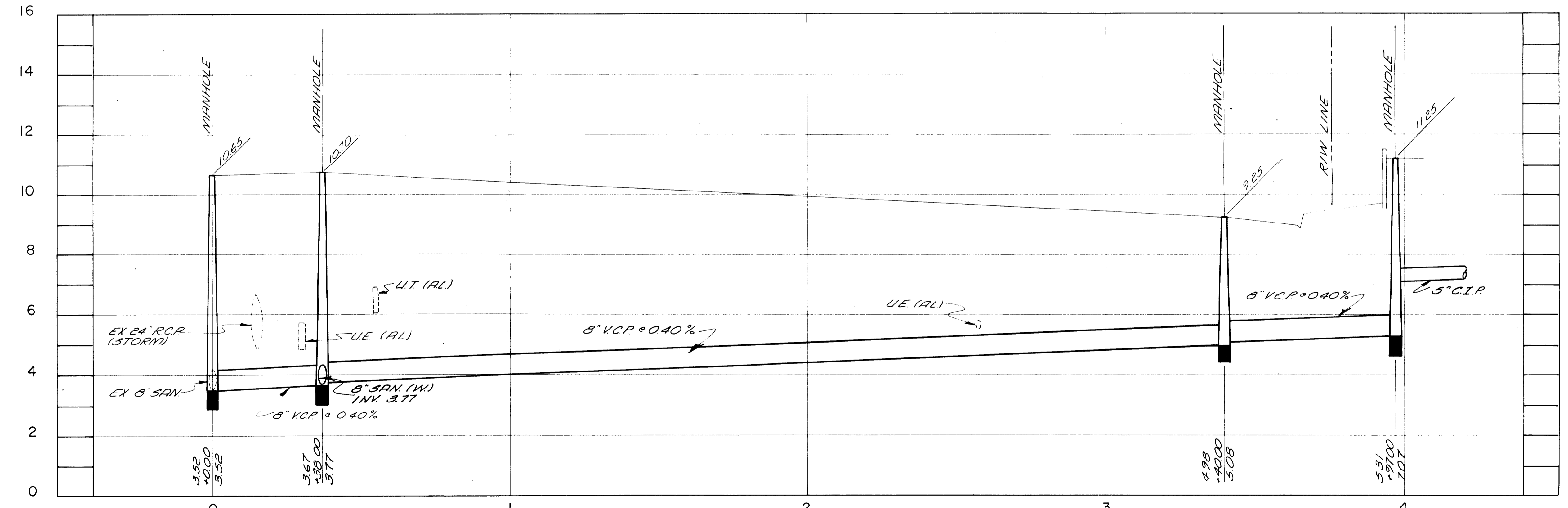
No.	Date	REVISION	By
3	3-73	MC @ MH STA 0+40.0 RELOCATED	CR
2	3-73	CHANGED ALIGNMENT	CR
1	2-73	ADDED TECO CABLES	CR



PLAN



PROFILE



PROFILE

- GENERAL NOTES**
- UTILITY LOCATIONS ARE APPROXIMATE. NOTIFY PROPER AUTHORITIES PRIOR TO BEGINNING CONSTRUCTION.
  - ALL ELEVATIONS BASED ON N.O.S. (U.S.C. & G.S.) MEAN SEA LEVEL DATUM.
  - REPLACE PAVEMENT FULL WIDTH WITH ASPHALTIC CONCRETE.
  - PROVIDE MINIMUM 36" COVER OVER PROPOSED SANITARY LINE.
  - BEDDING SHALL BE CLASS 'B' AND IN ACCORDANCE WITH THE SPECIFICATIONS.



*Reviewed & Approved*  
*9/14/84*

**Greiner Engineering Sciences, Inc.**  
 CONSULTING ENGINEERS TAMPA, FLORIDA

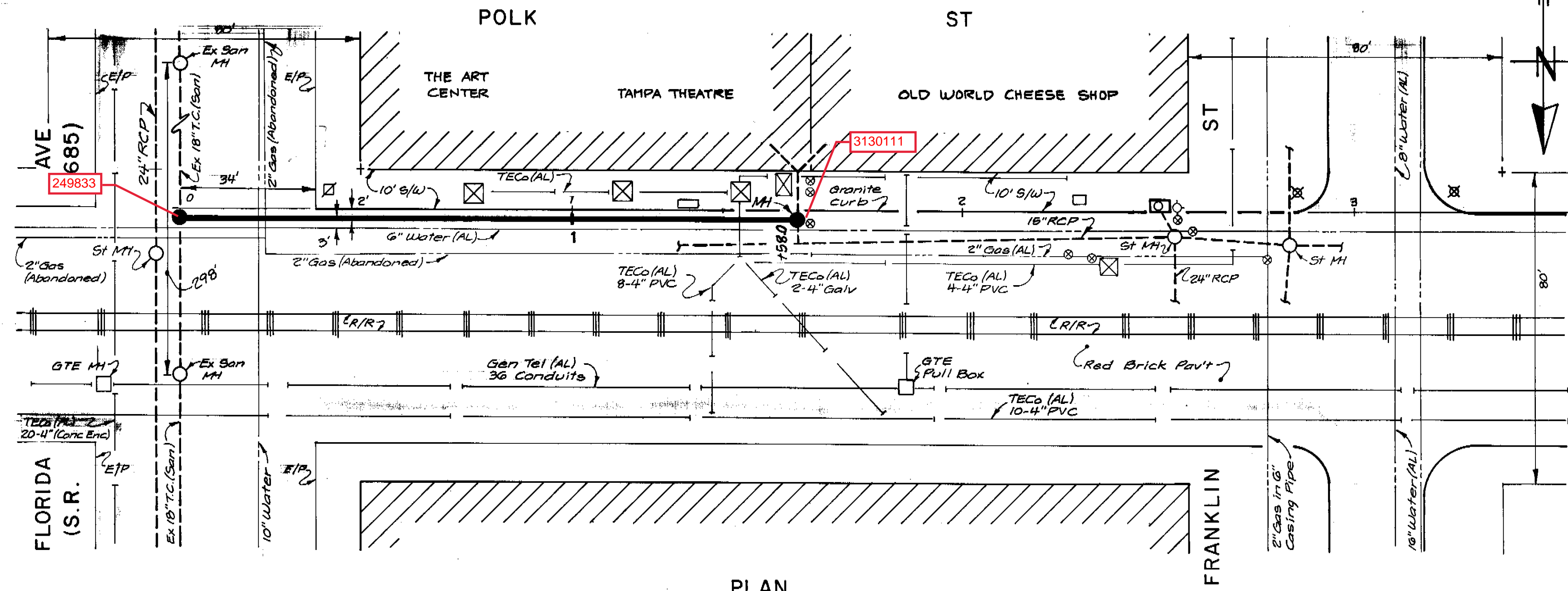
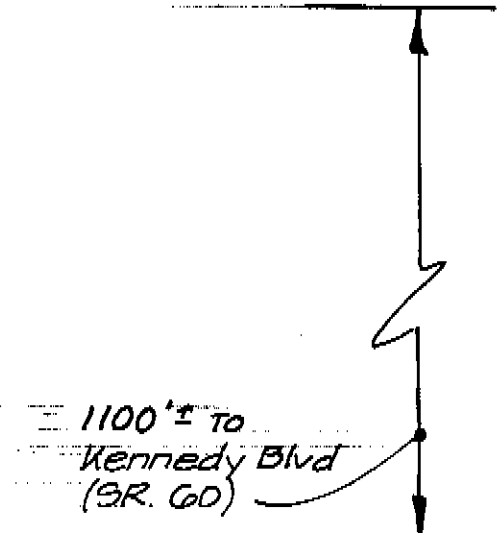
**TAMPA BAY PERFORMING ARTS CENTER**

**SPRING STREET SEWER EXTENTION**

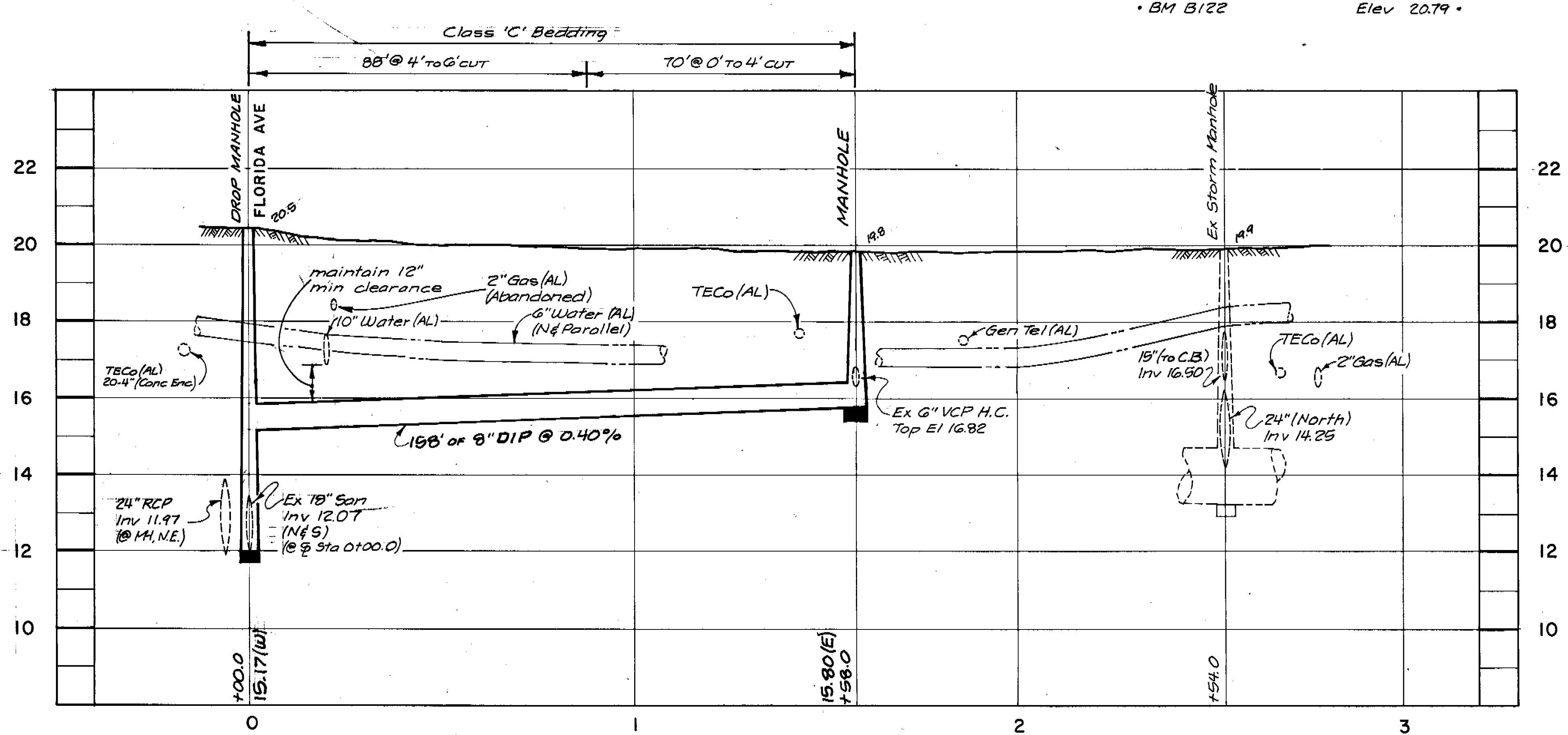
REVISIONS		APPROVED BY	
DATE	DESCRIPTION	NAMES	DATES
		Detailed by	G.E.S. 12/83
		Checked by	M.F. 12/83
		Quantities by	
		Checked by	
		Traced by	

DRAWING NO. **1 OF 2** INDEX NO.

*M. J. [Signature]*  
 4/19/84



PLAN



PROFILE

**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. Disturbed pavement in Florida Ave (S.R. 685) to be replaced in accordance with Section 126-9 of D.O.T. specifications.
4. Compaction to be done to D.O.T. specifications in Florida Ave (S.R. 685).
5. Patch pavement as required in Polk St.
6. Construction in D.O.T. R/W will be performed at a time which will cause the least amount of traffic rerouting.
7. 3" of Type S-1 will be used as structural course.
8. If subgrade is not stabilized then 12" of limerock is to be used. This is to be brought up in 6" lift with density test every 12".
9. Tight sheeting required around new manhole construction. Shheeting to be kept within confines of affected lane.
10. Density test required for each 12" lift to be done in 6" increments.
11. Asphalt must match existing in type and thickness.
12. Well pointing required if going below existing water table.
13. Subgrade density 98% of a modified Proctor. Base density of 98% of a modified Proctor.
14. Case XXV safety set up required with inclusion of note 12.
15. Pipe back fill 100% of a standard Proctor.

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

DES: ATC / JMD  
 DRN: DEP/CP  
 CKD: RSL  
 DATE: 3/85

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

No	DATE	REVISIONS
1	4/85	DEEPEMED END MANHOLE TO 4'
2	4/85	ADDED NOTES #7 THRU #15
3	4/85	REVISED 8" VCP TO 8" DIP
4		
5		

SCALE  
 1" = 20' Horiz  
 1" = 2' Vert

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

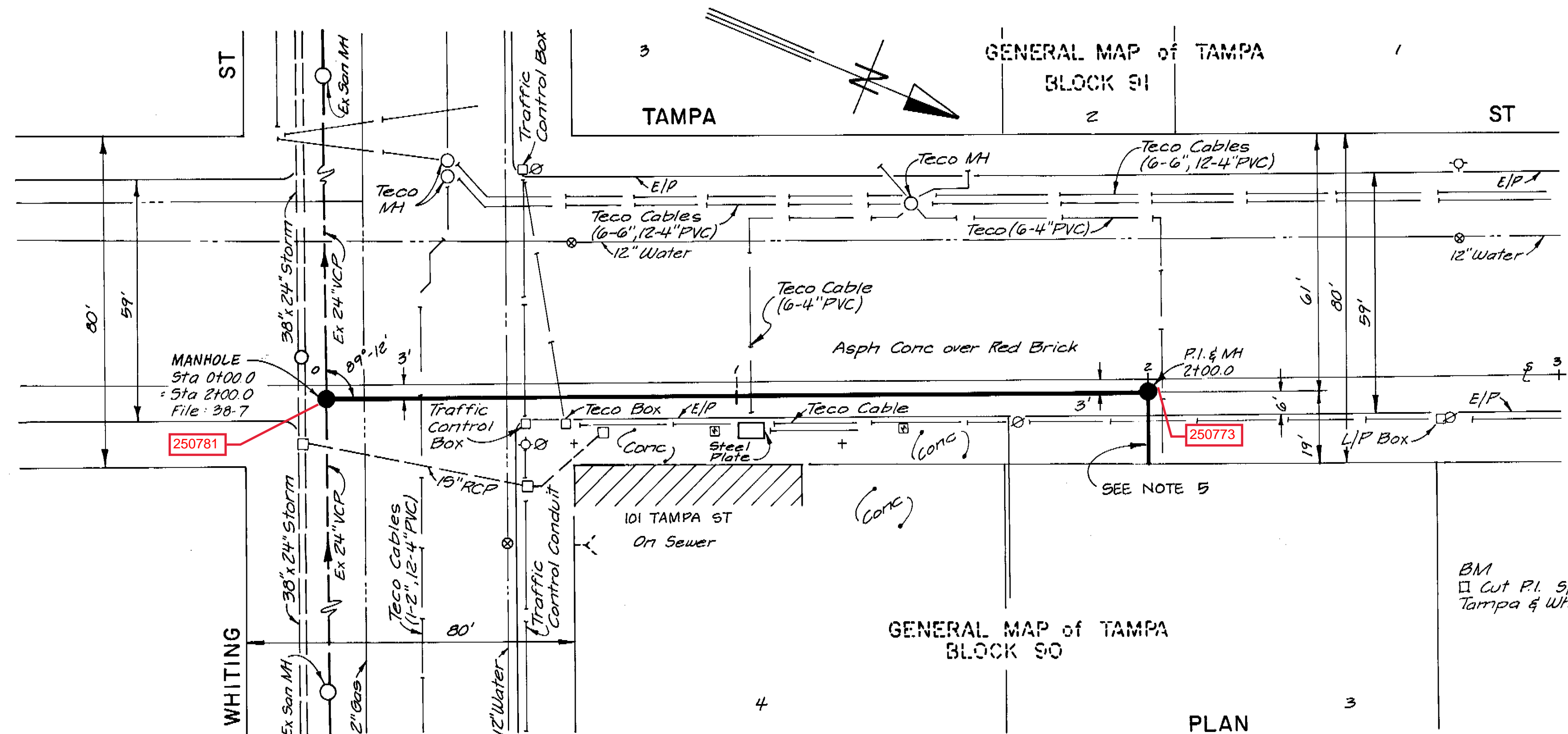
POLK ST: Florida Ave to Franklin St

SHEET

OF

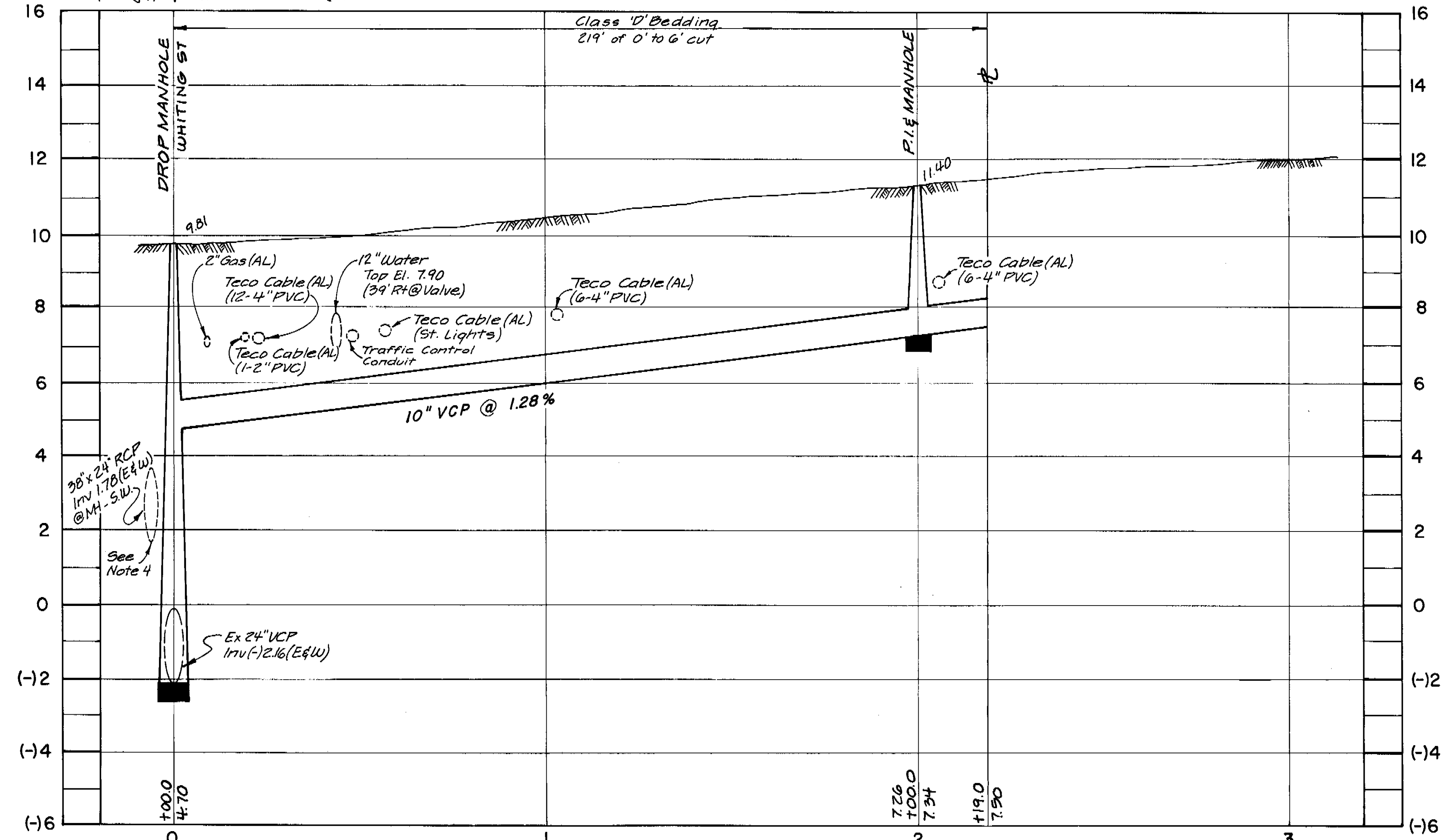
*C194-26 (read)*





- 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. Patch pavement as required with Asphaltic Concrete Type 5-1.
  4. Field conditions may require that sheeting be used on manhole @ Sta 0+00.0 in order to protect 36"x24" Storm Sewer.
  5. Exact location and elevation of house connection for Hotel to be coordinated with the Hyatt House Hotel construction engineer (superintendent) at the time of construction. (Bob Collins 228-6524)

BM Elev 10.84  
 □ Cut P.I. S/W N.E. corner  
 Tampa & Whiting



PROFILE  
PN 528

BRUNING 44-132 25917

*Jack Morris*  
 JACK MORRISS, P.E., #24578  
 CHIEF ENGINEER  
 DEPARTMENT OF SANITARY SEWERS

DES: *CR*  
 DRN: *CR*  
 CKD: *RLM* 4/1/81  
 DATE:

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

NO	DATE	REVISIONS
1	7-15-81	Water Line location & size
2		
3		
4		
5		

SCALE  
 1" = 20'

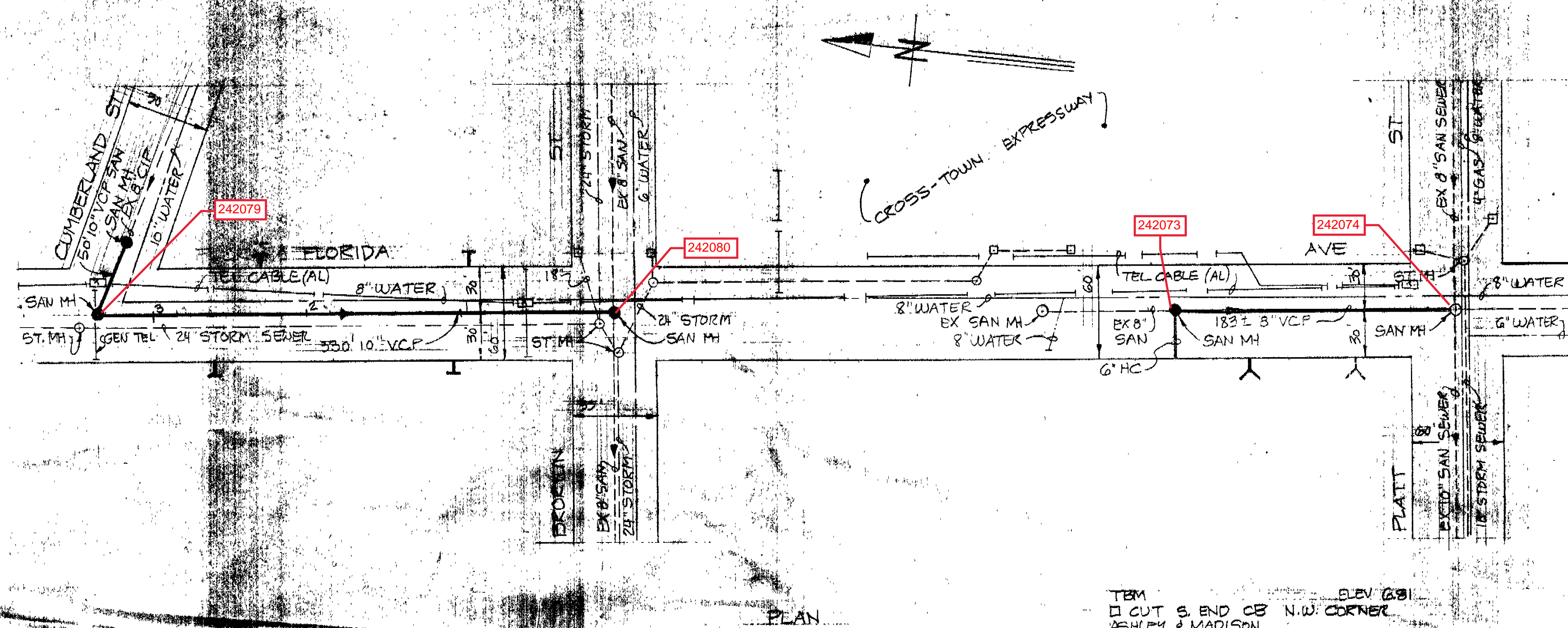
DEPARTMENT OF SANITARY SEWERS  
 CITY OF TAMPA, FLORIDA  
 RENEWAL & REPLACEMENT  
 SEWER IMPROVEMENTS

TAMPA ST: Whiting St to 200' North  
 (Hyatt House Hotel)

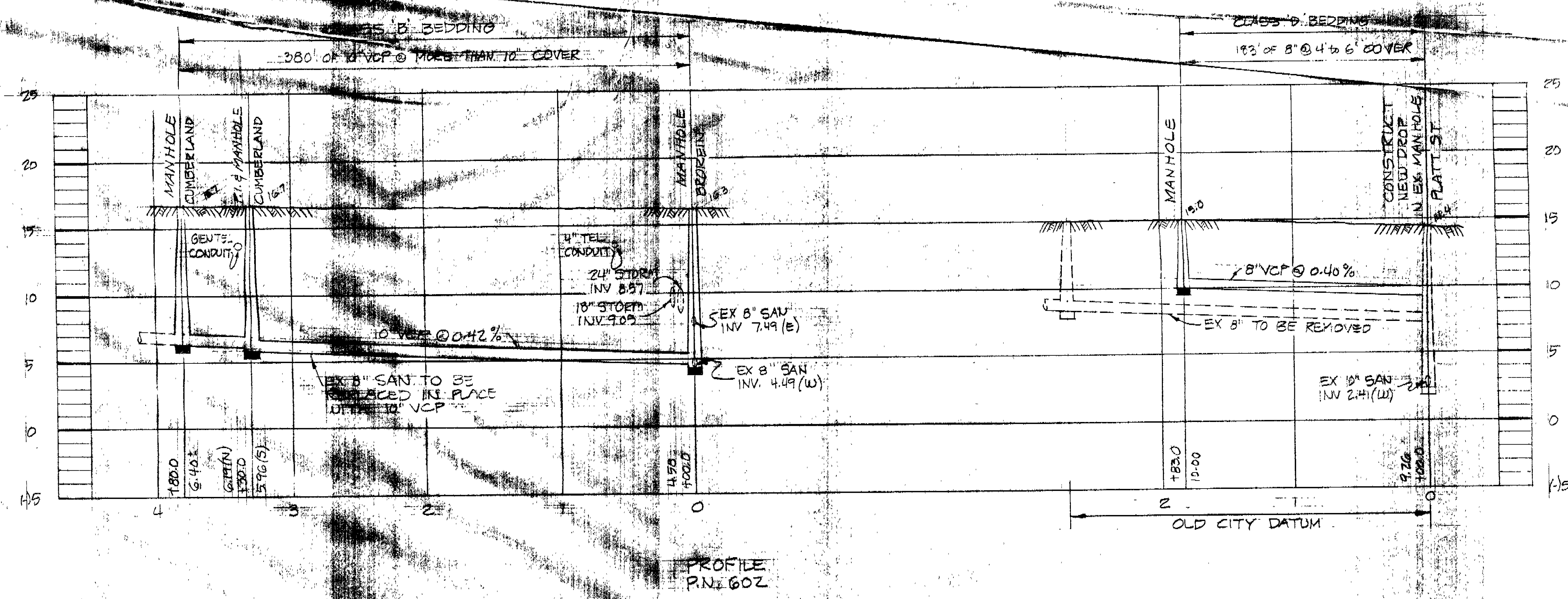
SHEET  
 OF

*F-12 - comp size 83*

*C-199-6 (2514)*



- NOTES**
- ELEVATIONS ARE BASED ON NOS DATUM EXCEPT WHERE NOTED.
  - WHEN AVAILABLE SURVEY INFORMATION WAS USED TO MAKE THIS DRAWING, WHERE NO SURVEY INFORMATION WAS AVAILABLE, OLD RECORDS, ATLAS OR UTILITY INFORMATION ACQUIRED BY PHONE WAS USED. ALL LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE. VERIFY THE LOCATION AND DEPTH OF ALL PERTINENT UTILITIES PRIOR TO CONSTRUCTION. NOTIFY UTILITY COMPANIES AT LEAST 48 HOURS BEFORE BEGINNING CONSTRUCTION.
  - NEW HOUSE CONNECTION LOCATIONS ARE APPROXIMATE. ON REPLACEMENT LINE IN FLA AVE FROM BROREIN TO CUMBERLAND, LEAVE 2 NEW HOUSE CONNECTIONS TO THE EAST IN FLA AND 2 NEW HOUSE CONNECTIONS TO THE WEST IN FLA AVE. DO NOT REPLACE EXISTING HOUSE CONNECTIONS ON REPLACEMENT LINE IN FLA AVE FROM PLATT ST TO THE NORTH. REPLACE EXISTING HOUSE CONNECTION FOR BUILDING ON THE N.W. CORNER OF PLATT AND FLA AVE. LEAVE ONE HOUSE CONNECTION TO THE WEST AND ONE LATERAL OUT OF THE MH TO THE WEST.
  - REPLACE BASE ONLY. PAVEMENT TO BE REPLACED BY DEPT. OF PUBLIC WORKS.
  - CARE SHOULD BE TAKEN WHEN DIGGING NEAR GEN TEL CABLE AND MANHOLES.



*Ronald M. ...*  
 RALPH L. MITCHELL, P.E. #23041  
 CHIEF ENGINEER  
 DEPARTMENT OF SAN SEWERS

DES: CR/MS  
 DWN: CR  
 CKD: ARZ  
 DATE: 5/82

APPROVED BY  
*[Signature]*  
 ELTON G. ... P.E.  
 DEPARTMENT OF SAN SEWERS

SCALE  
 1" = 50'

DEPARTMENT OF SANITARY SEWERS  
 CITY OF TAMPA, FLORIDA  
 RENEWABLE REPLACEMENT  
 SEWER IMPROVEMENTS

FLA. AVE: BROREIN TO CUMBERLAND  
 FLA. AVE: PLATT ST TO 183' NORTH

Verbal Res 8/83 - Maint

199-10 (pend)



NOTE: THE INFORMATION SHOWN HEREON REGARDING THE EXISTING AND PROPOSED SANITARY SEWER CONDITION IS AS SUPPLIED BY THE CITY OF TAMPA DEPT. OF SANITARY SEWERS.

Responsible FOR SANITARY SEWER CONSTRUCTION:

*Andrew T. Cronberg*  
**ANDREW T. CRONBERG, P.E. #32800**  
 CHIEF ENGINEER  
 DEPARTMENT OF SANITARY SEWER

*Jack P. Morris*  
**JACK P. MORRIS, P.E.**  
 DIRECTOR  
 DEPARTMENT OF SANITARY SEWER

Project

## NORTH FRANKLIN STREETSCAPE PROJECT

Sheet Title

### EXISTING AND PROPOSED UTILITY PLAN

STA. 12+50 TO STA. 16+59

### SUPPLEMENTAL SANITARY SEWER

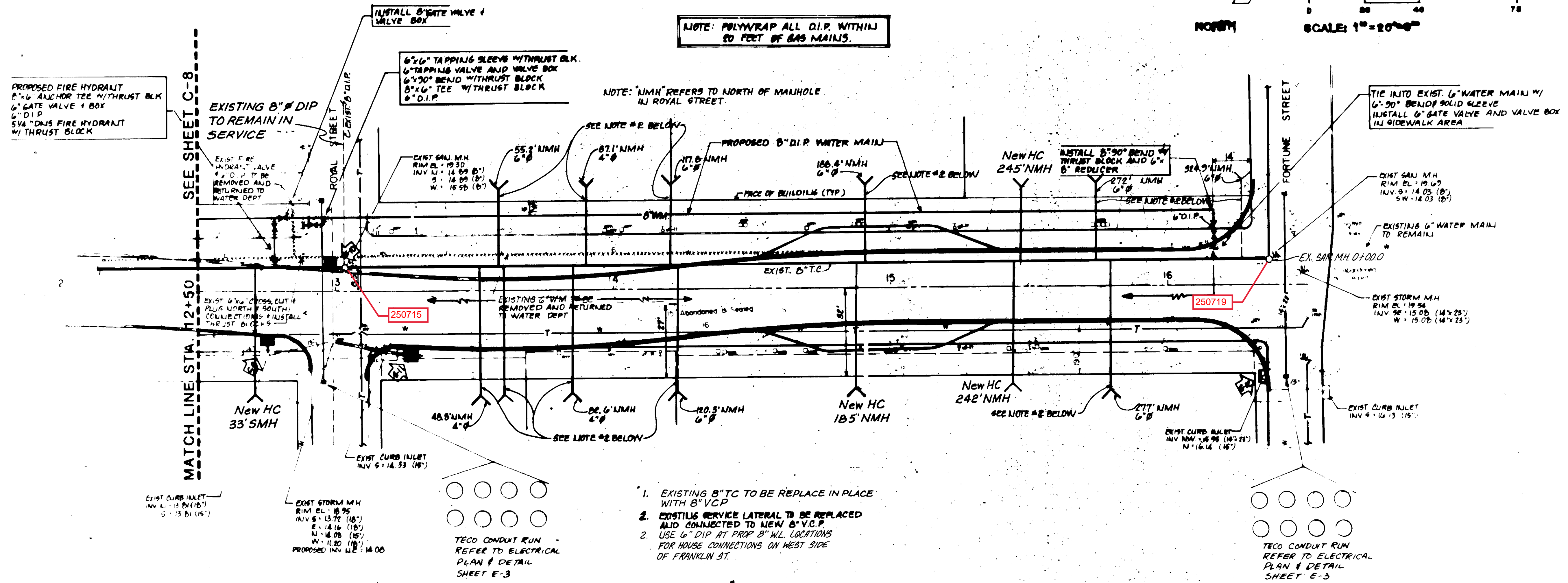
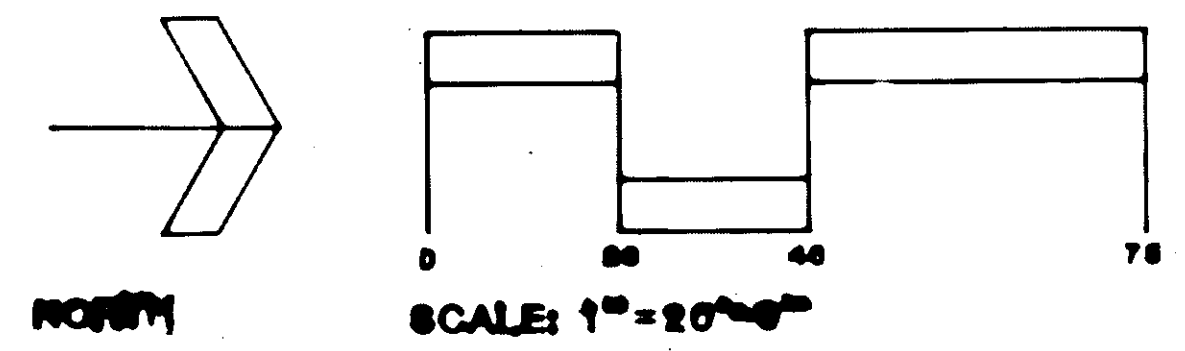
Date: 12/18/85 Drawn By: U. WOLF

Project No.

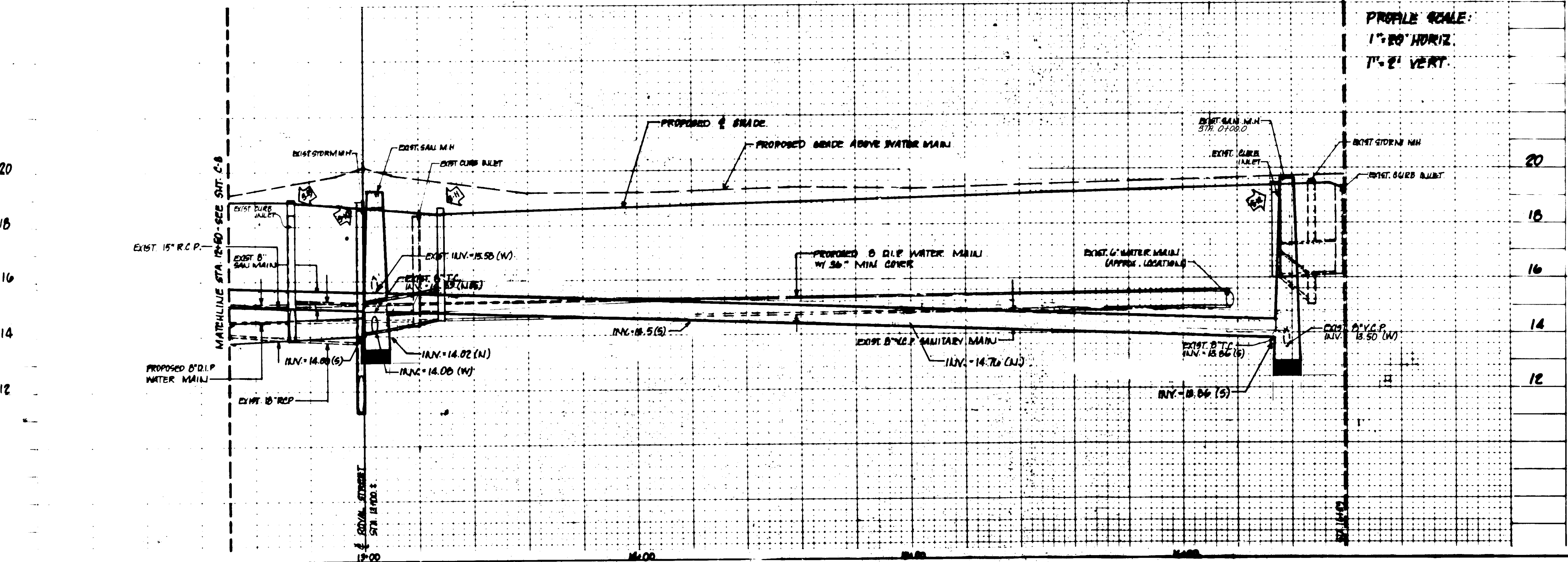
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Sheet No.

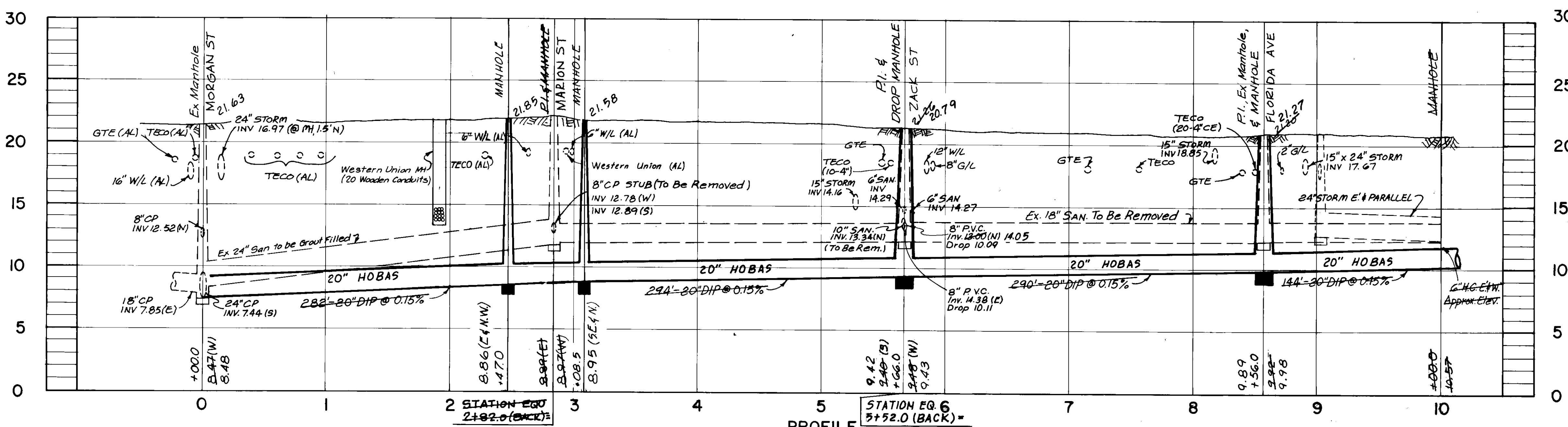
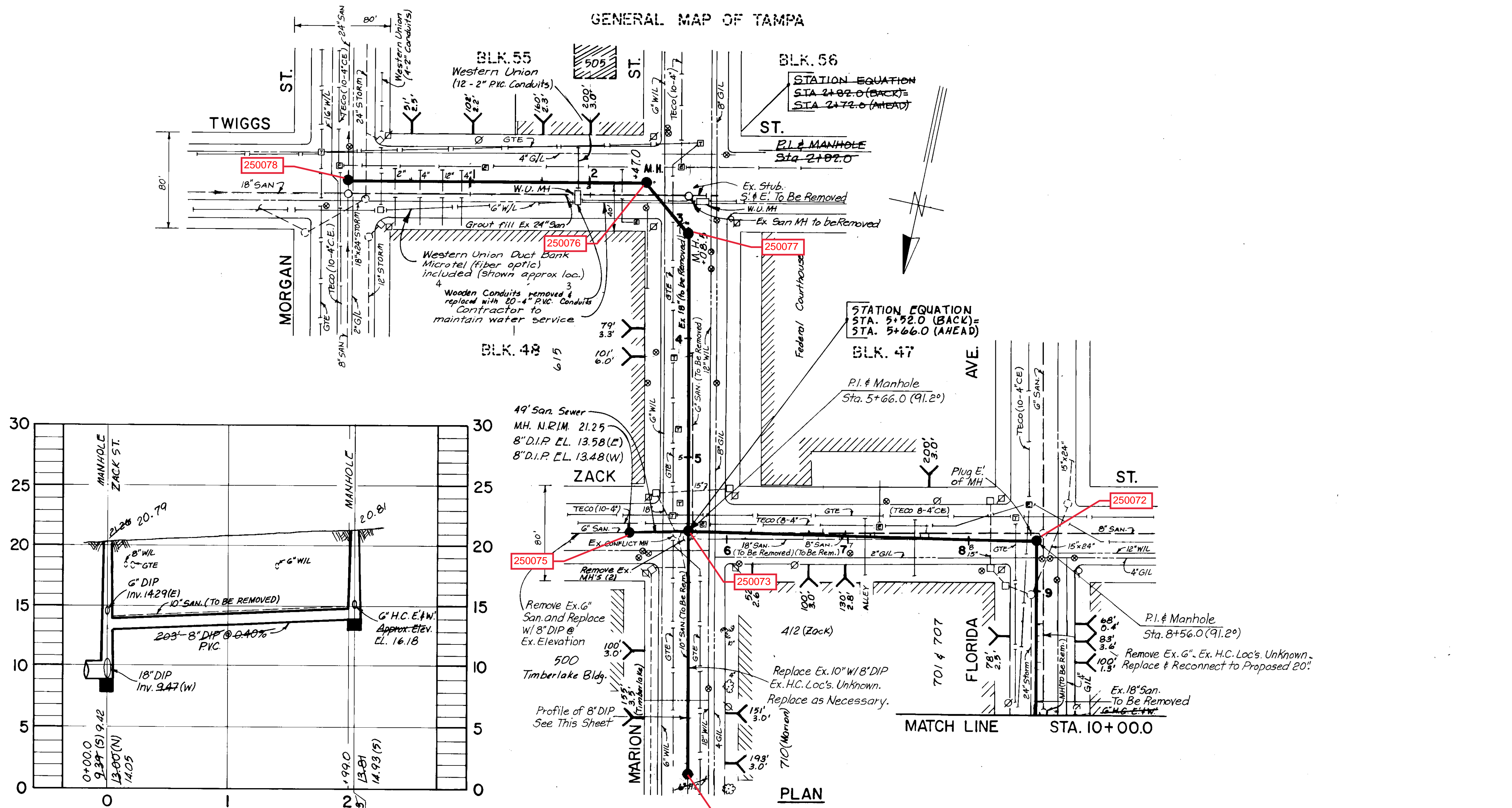
S-3  
 C-216-17(A)



- EXISTING 8" V.C.P. TO BE REPLACED IN PLACE WITH 8" V.C.P.
- EXISTING SERVICE LATERAL TO BE REPLACED AND CONNECTED TO NEW 8" V.C.P.
- USE 6" DIP AT PROP. B.W.L. LOCATIONS FOR HOUSE CONNECTIONS ON WEST SIDE OF FRANKLIN ST.



GENERAL MAP OF TAMPA



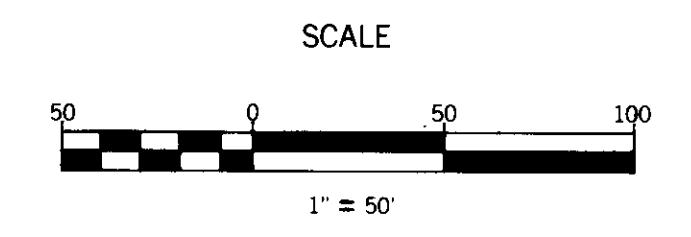
**AS BUILT**

ANDREW T. CRONBERG, P.E. # 32560  
CHIEF ENGINEER  
DEPARTMENT OF SANITARY SEWERS

DES. DW.  
DRN: C.S./W.A.  
CKD: JW  
DATE: 8-3-88

APPROVED BY  
JACK P. MORRIS, P.E.  
DIRECTOR  
DEPARTMENT OF SANITARY SEWERS

NO.	DATE	REVISIONS
1	8/88	REVISED ALIGNMENT STA 0+00 TO STA 2+82.0
2	11/88	REVISED SLOPE STA 8+56 TO 10+00
3	5/93	AS-BUILT Per Insp't Rpt; Survey

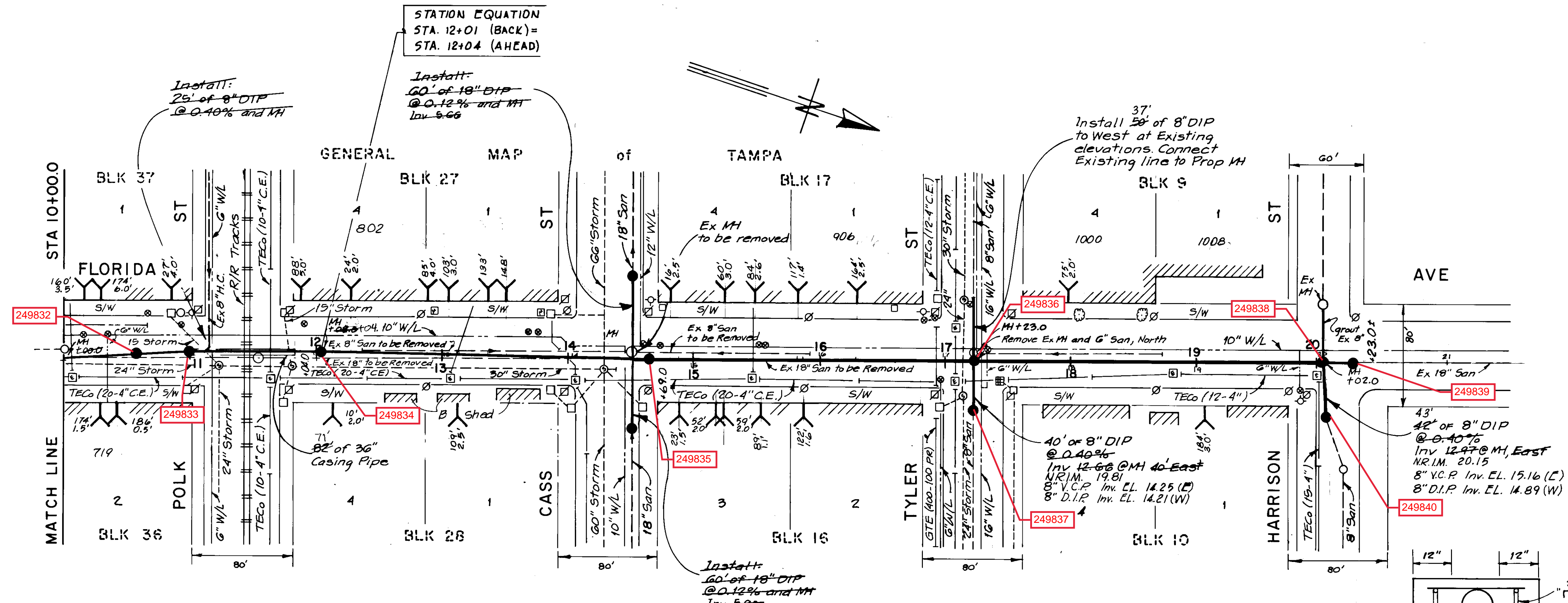


DEPARTMENT of SANITARY SEWERS  
CITY of TAMPA, FLORIDA

TWIGGS ST. From Morgan St. to Marion St.  
MARION ST. From Twiggs St. to Zack St.  
ZACK ST. From Marion St. to Florida Ave.  
FLORIDA AVE. From Zack St. to Sta. 10+00.0 (Polk St.)

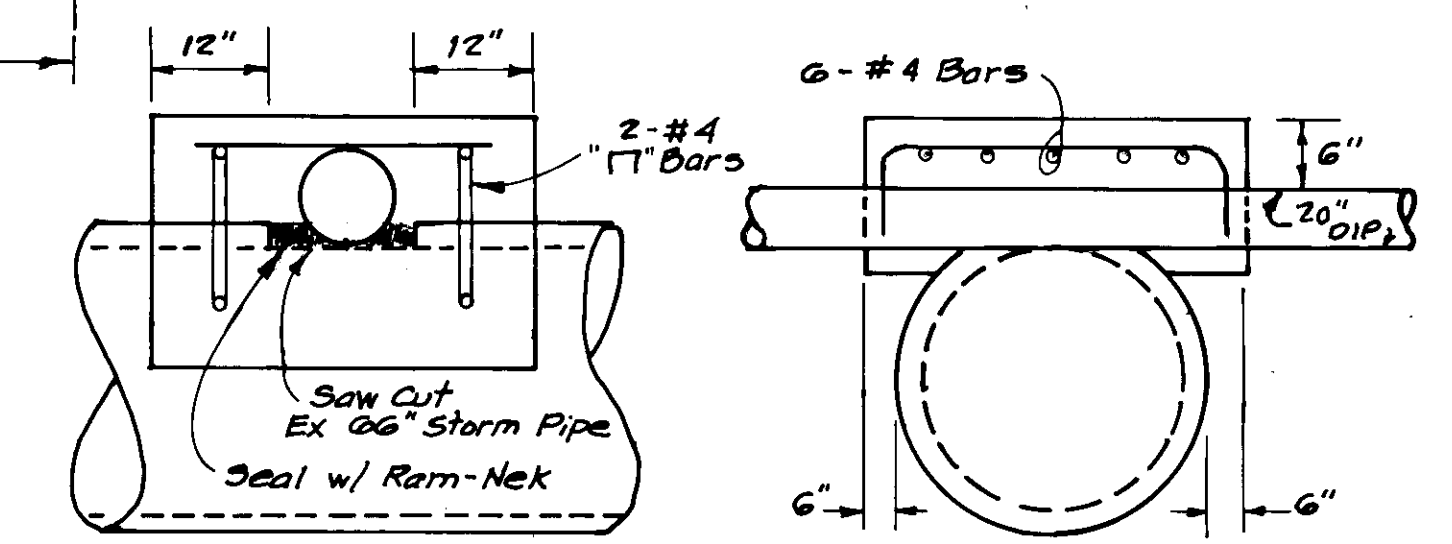
SHEET  
**3A**  
OF 7

C252-19

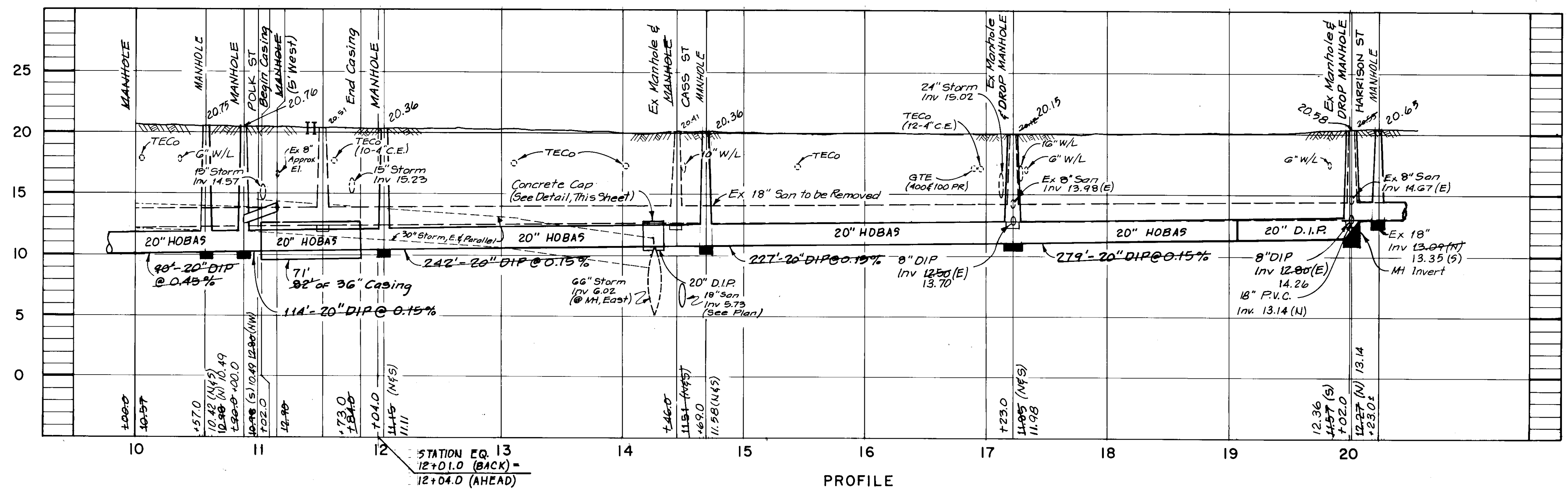


- NOTES**
1. Grout fill existing pipe from Sta 11+00.0 to Sta 12+00.0 prior to installing casing pipe. Remove all remaining existing pipe.
  2. Verify elevations of existing 18" pipe in Cass St prior to installing MH's.

PLAN



CONCRETE CAP DETAIL  
NOT TO SCALE



PROFILE

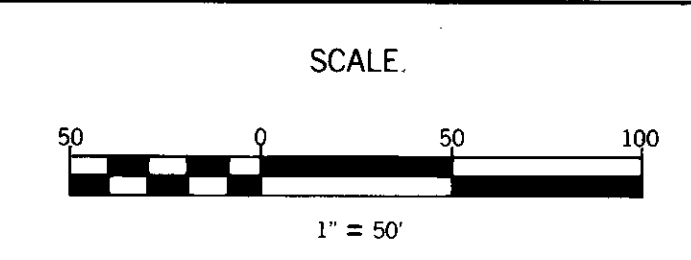
**AS BUILT**

ANDREW T. CRONBERG, PE #32560  
CHIEF ENGINEER  
DEPARTMENT OF SANITARY SEWERS

DES: DW  
DRN: CG  
CKD: JWO  
DATE: 8-3-82

APPROVED BY  
JACK P. MORRIS, PE  
DIRECTOR  
DEPARTMENT OF SANITARY SEWERS

NO.	DATE	REVISIONS
1	11/88	REVISED SLOPE / CONCRETE CAP
2	5/93	AS-BUILT Per Imp'l. Rpt.; Survey
3		
4		
5		



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

FLORIDA AVE:  
Sta 10+00.0 (Polk St) to Harrison St

SHEET  
**4A**  
OF 7

**C252-20**

13+00

14+00

15+00

16+00

17+00

18+00

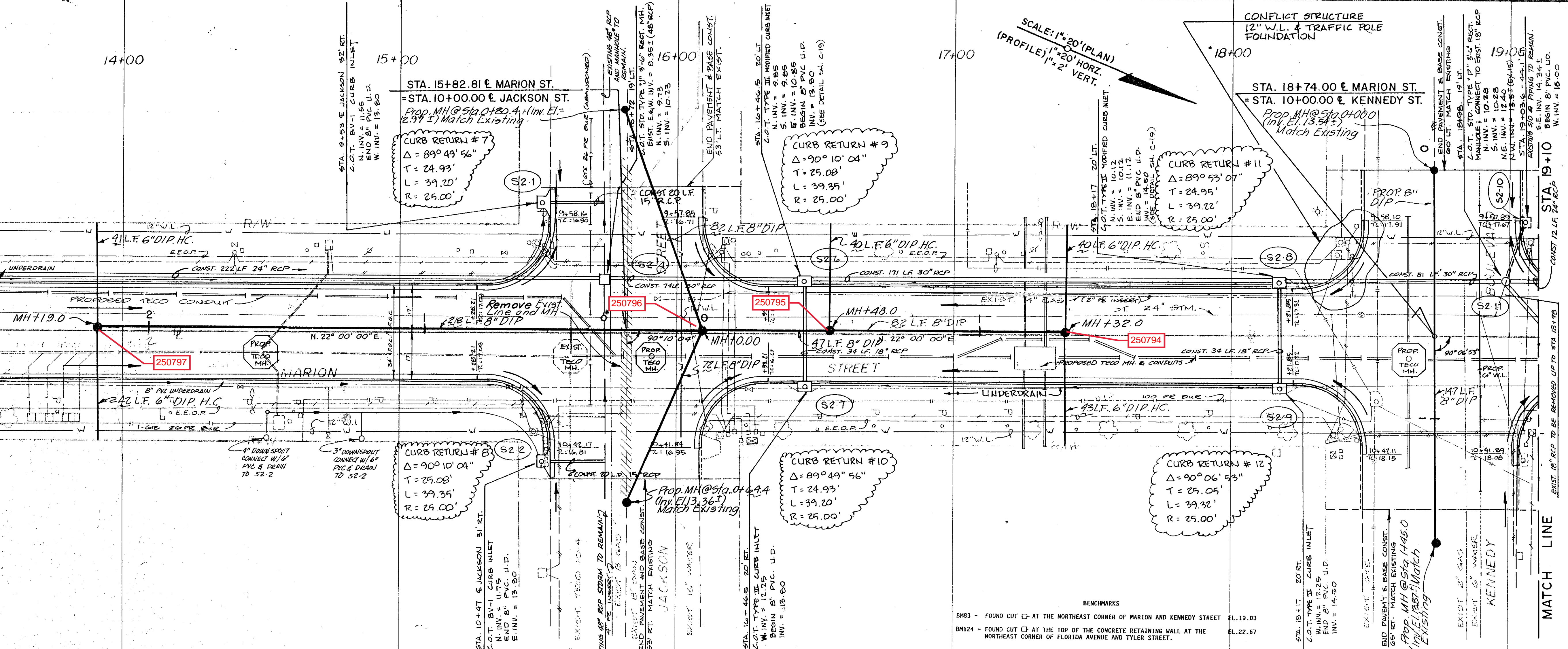
19+00

STA. 13+50

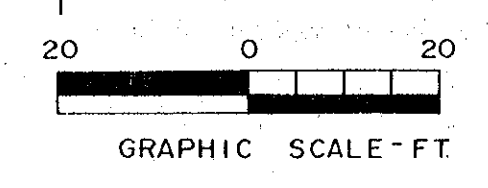
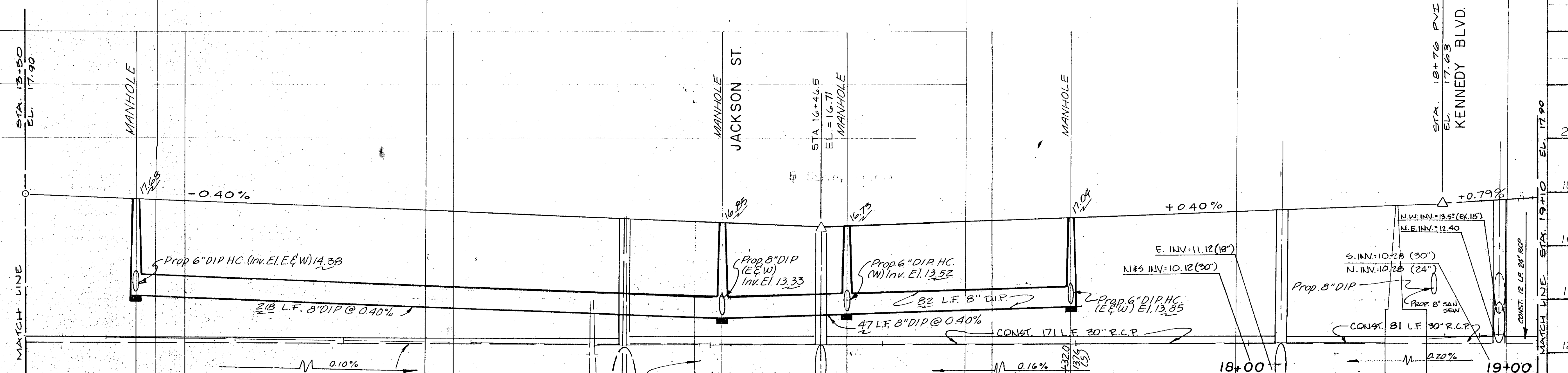
MATCH LINE

STA. 19+10

MATCH LINE



REFER TO SHEET 1 OF THE DRAINAGE PLAN AND PROFILE FOR NOTES.



DESIGNED BY:  
ANDREW T. CRONBERG, P.E. # 32560  
CHIEF ENGINEER  
DEPARTMENT OF SANITARY SEWERS

DATE: 2-16-88

APPROVED BY:  
*Jack P. Morris*  
JACK P. MORRIS, P.E.  
DIRECTOR  
DEPARTMENT OF SANITARY SEWERS

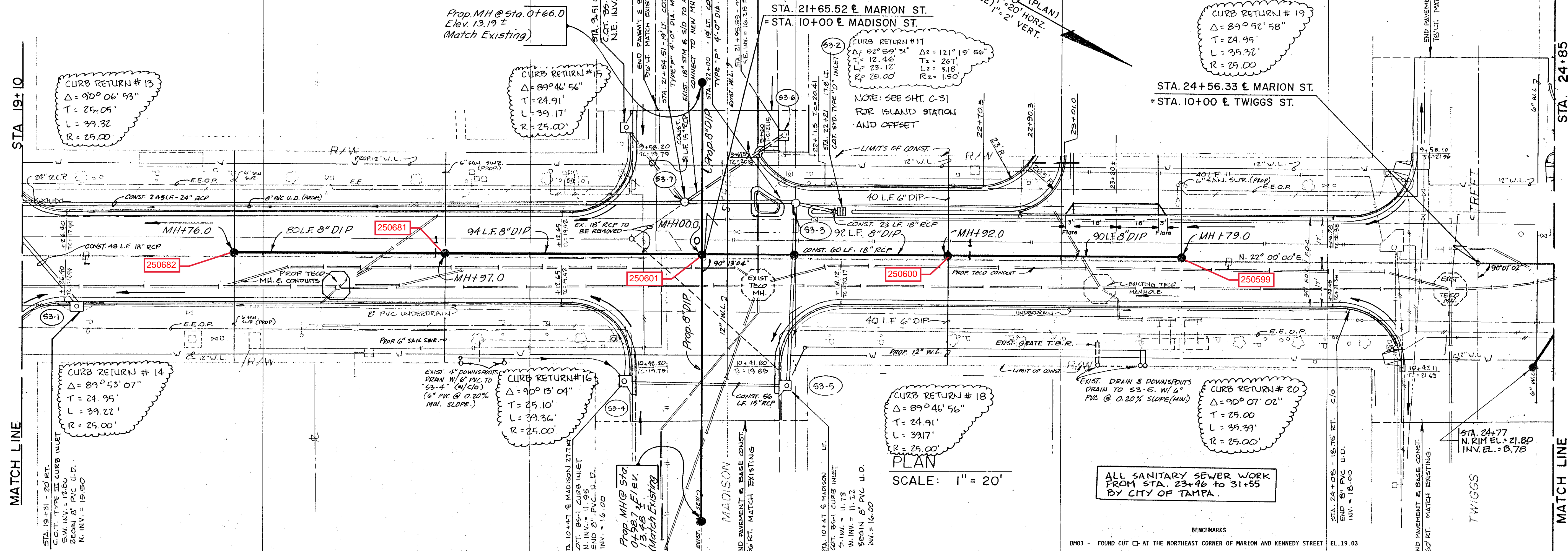
**NOTE:**  
THESE PLANS ARE FOR THE  
CONSTRUCTION OF SANITARY  
SEWER FACILITIES ONLY.

**KAISER ENGINEERS**  
IN ASSOCIATION WITH  
*Greenhorne & O'Mara, Inc.*  
DSA GROUP INC.  
*Myra L. Frank*  
Associates

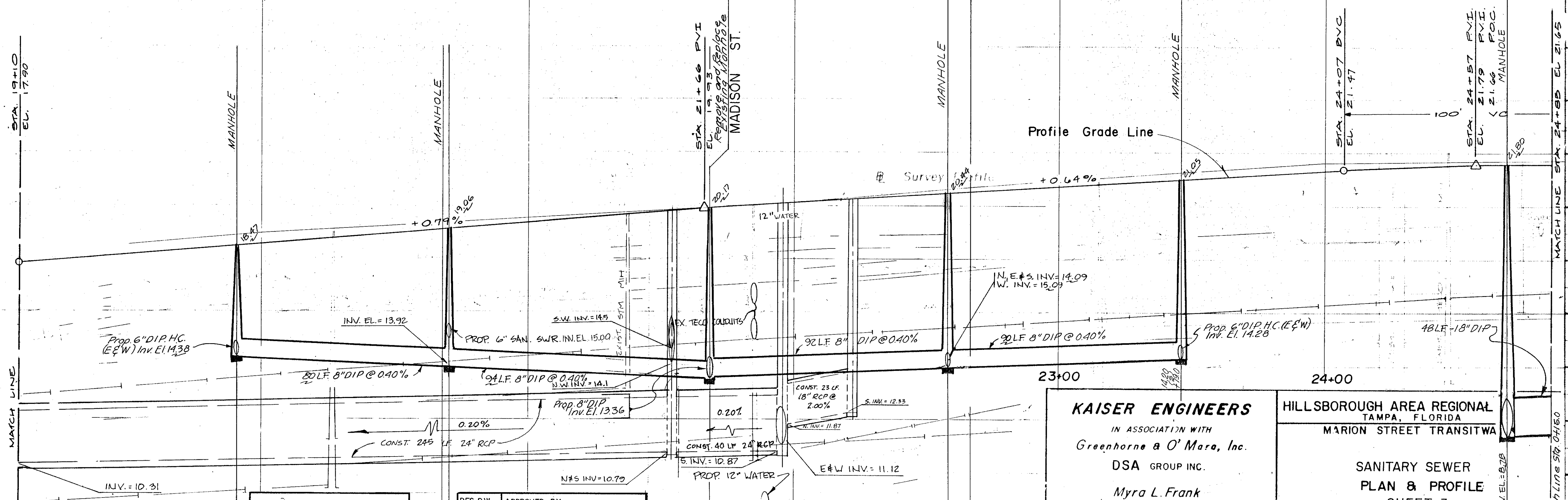
HILLSBOROUGH AREA REGIONAL TRANSIT  
TAMPA, FLORIDA  
MARION STREET TRANSITWAY  
SANITARY SEWER  
PLAN & PROFILE  
SHEET 2

1	1/90	REVISED TO AS-BUILT COND.	DESIGNED:	DATE:	DRAWN:	DATE:	CHECKED:	DATE:
0	02-26-88	ISSUED FOR BID	REVIEWED:	DATE:	APPROVED:	DATE:	SCALE:	AS SHOWN
FILE NO.			JOB No. 86018			SHEET 82 of 85		

19+00 20+00 21+00 22+00 23+00 24+00 25+00



REFER TO SHEET 1 OF THE DRAINAGE PLAN AND PROFILE FOR NOTES.  
(SEE SHEET C-2 FOR LEGEND OF SYMBOLS AND ABBREVIATIONS USED ON PLANS.)



NOTE:  
THESE PLANS ARE FOR THE  
CONSTRUCTION OF SANITARY  
SEWER FACILITIES ONLY.

ANDREW T. CRONBERG, P.E. # 32560  
CHIEF ENGINEER  
DEPARTMENT OF SANITARY SEWERS

DESIGNED BY: DRN:ELI  
CHECKED BY: GKD:DW  
DATE: 2-4-88  
APPROVED BY: JACK P. MORRIS, P.E.  
DIRECTOR  
DEPARTMENT OF SANITARY SEWERS

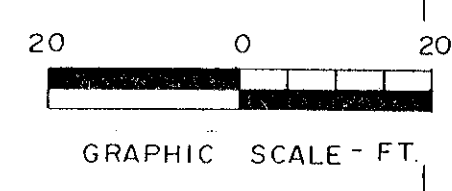
PROFILE  
SCALE:  
HORIZ. 1" = 20 FT  
VERT. 1" = 2 FT

KAISER ENGINEERS  
IN ASSOCIATION WITH  
Greenhorne & O'Mara, Inc.  
DSA GROUP INC.  
Myra L. Frank  
Associates

HILLSBOROUGH AREA REGIONAL  
TAMPA, FLORIDA  
MARION STREET TRANSITWAY  
SANITARY SEWER  
PLAN & PROFILE  
SHEET 3

Designed:	Date:	Drawn:	Date:	Checked:	Date:
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2	02-26-88	ISSUED FOR BID			
		REVISION			

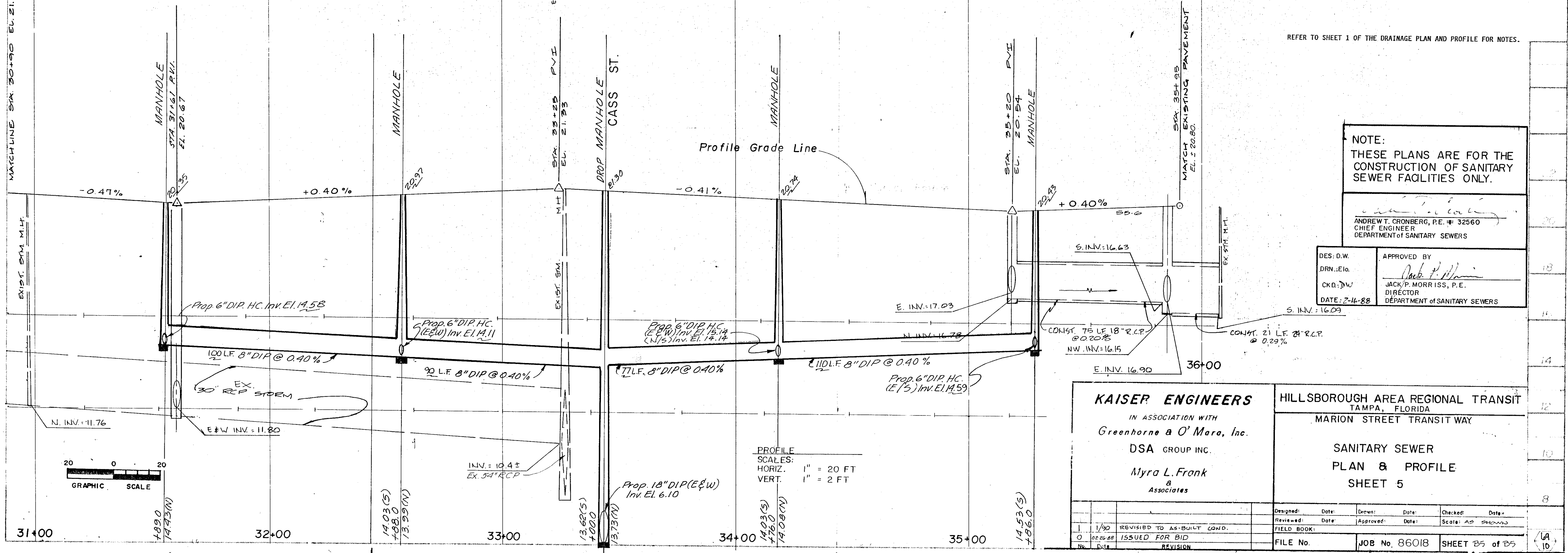
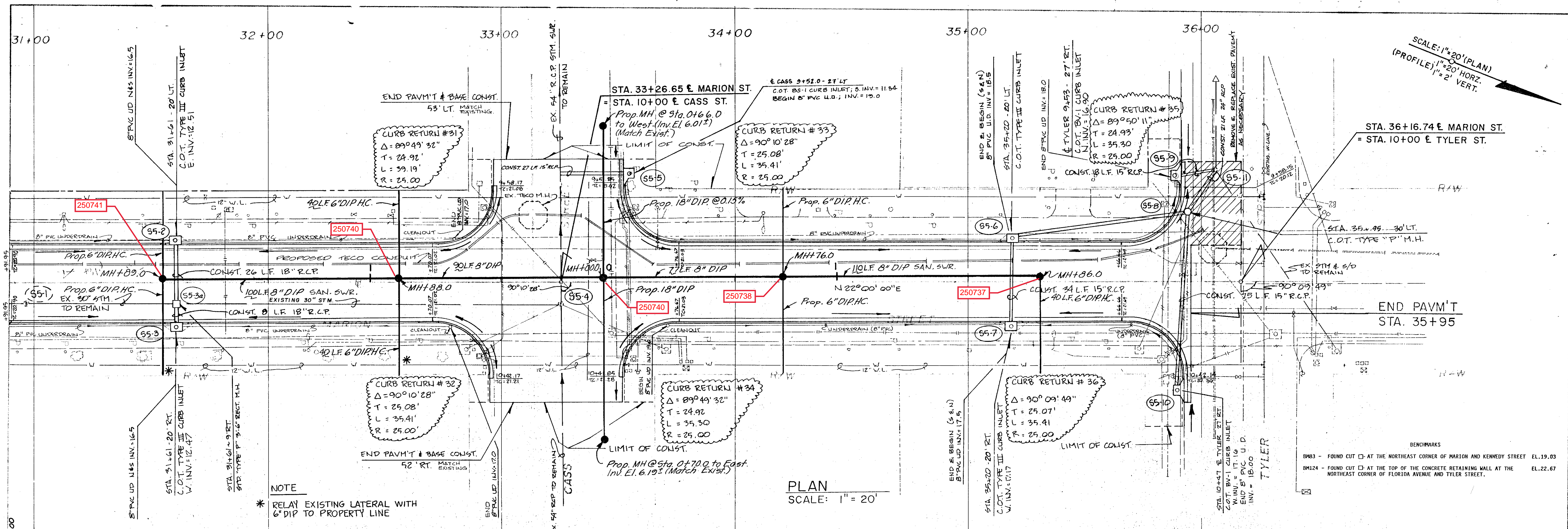
FILE No. JOB No. 86018 SHEET 83 of 85



132

279-20





NOTE:  
THESE PLANS ARE FOR THE  
CONSTRUCTION OF SANITARY  
SEWER FACILITIES ONLY.

ANDREW T. CRONBERG, P.E. # 32560  
CHIEF ENGINEER  
DEPARTMENT OF SANITARY SEWERS

APPROVED BY: *Jack P. Morris*  
JACK P. MORRIS, P.E.  
DIRECTOR  
DEPARTMENT OF SANITARY SEWERS

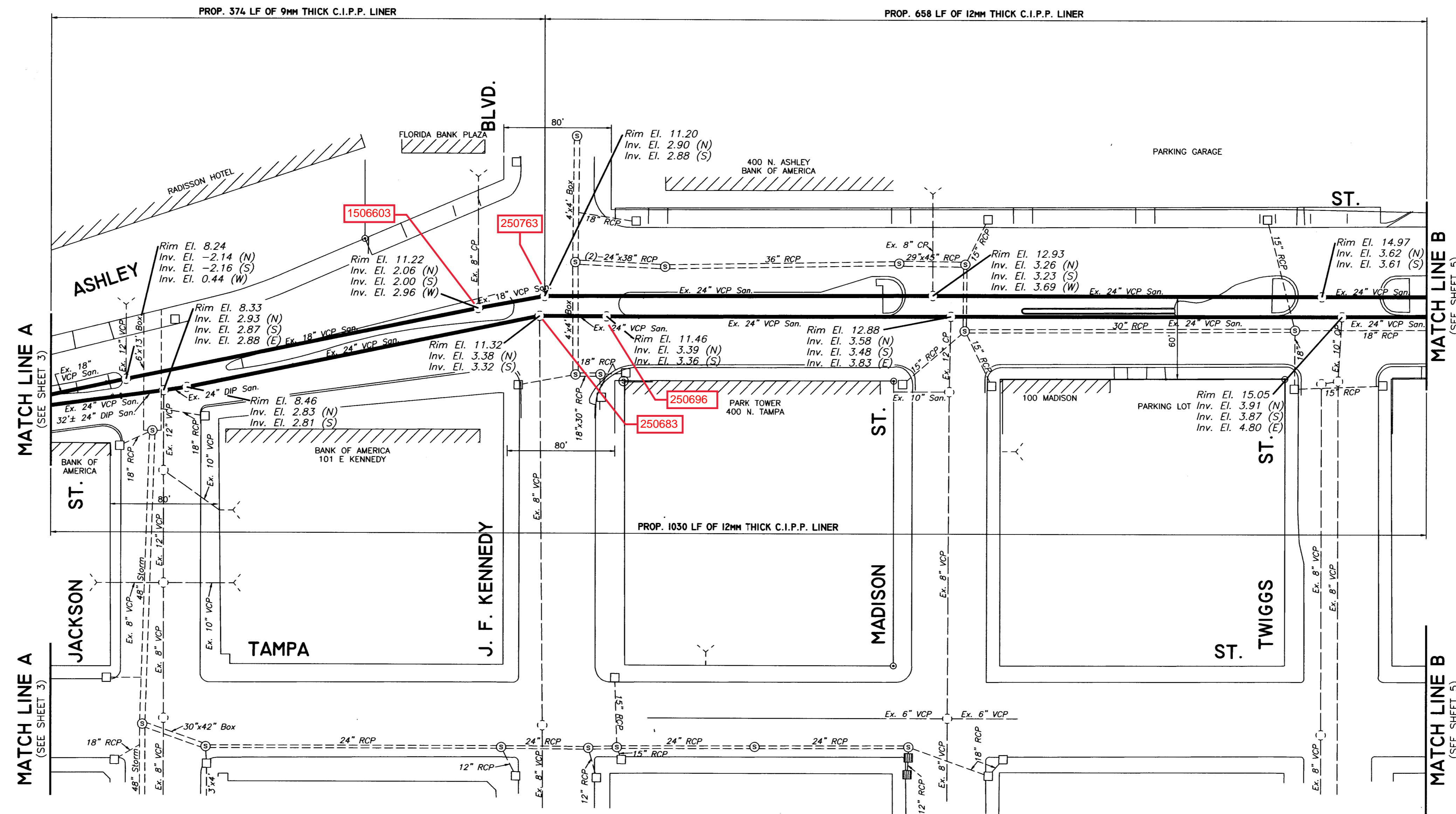
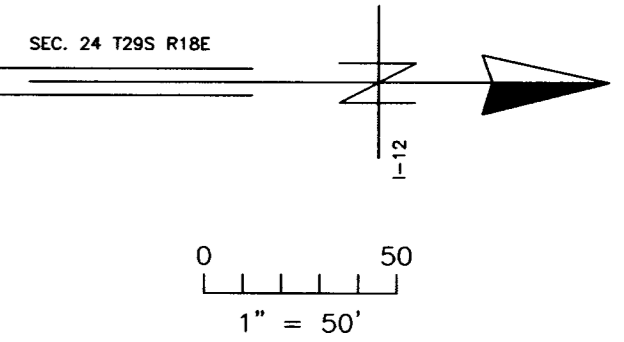
KAISER ENGINEERS  
IN ASSOCIATION WITH  
Greenhorne & O'Mara, Inc.  
DSA GROUP INC.  
Myra L. Frank  
&  
Associates

HILLSBOROUGH AREA REGIONAL TRANSIT  
TAMPA, FLORIDA  
MARION STREET TRANSIT WAY

SANITARY SEWER  
PLAN & PROFILE  
SHEET 5

DESIGNED	DATE	DRAWN	DATE	CHECKED	DATE
REVISOR	DATE	APPROVED	DATE	SCALE	AS SHOWN
FILE NO.	JOB No. 86018		SHEET 85 OF 85		

279-22



1"=50'

C:\ACAD2000\DWG\PIPE\7253-4

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

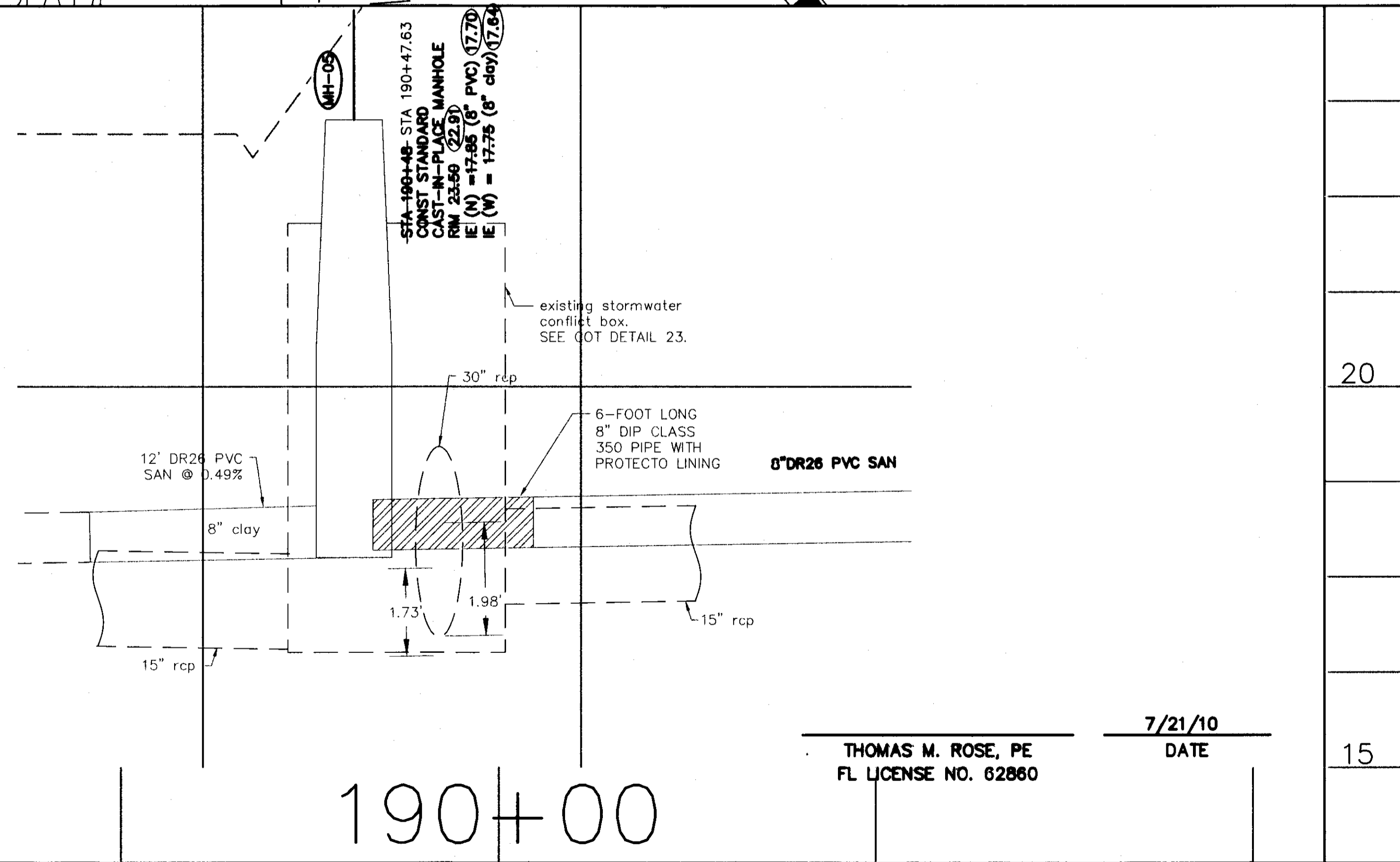
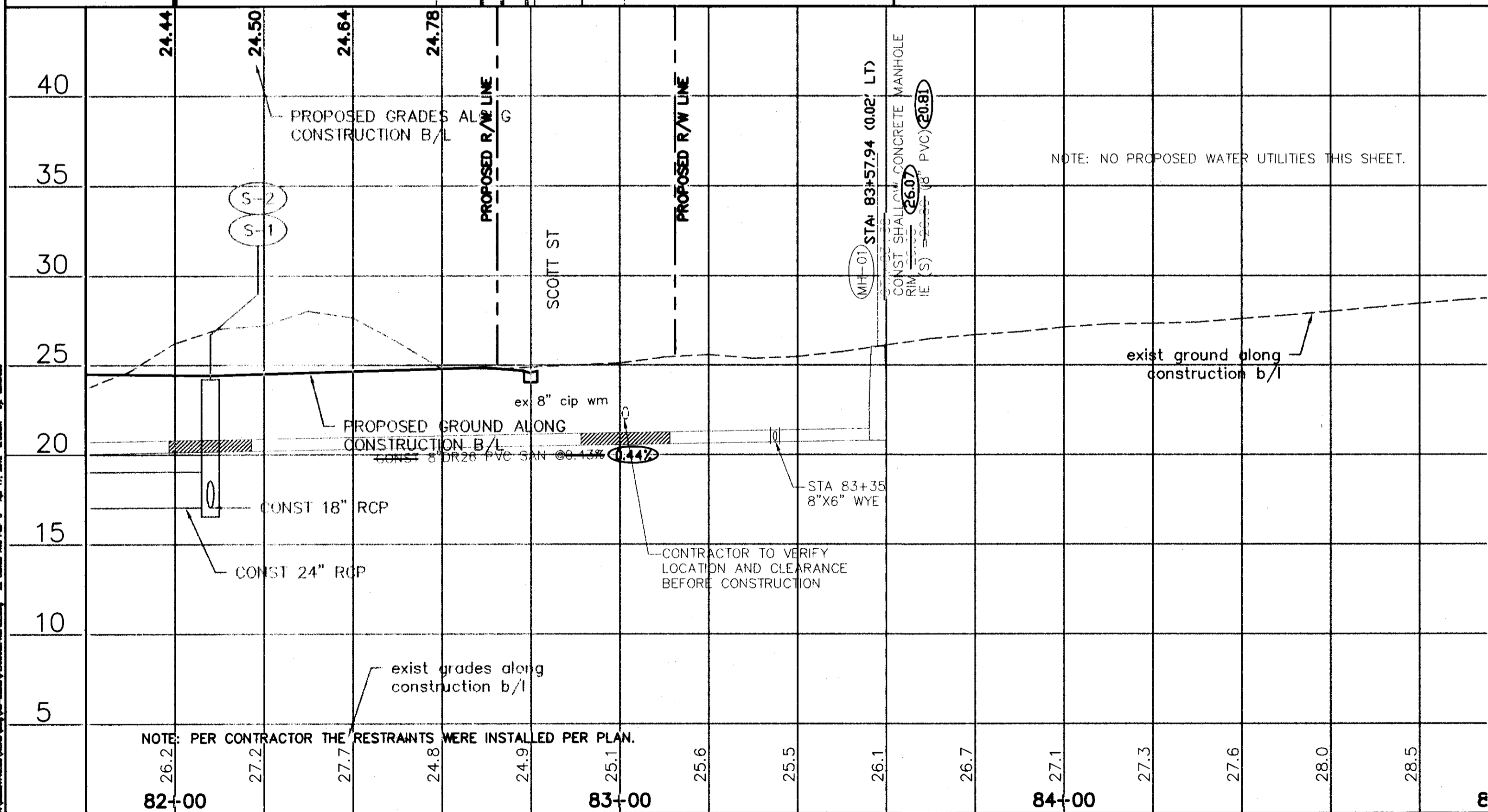
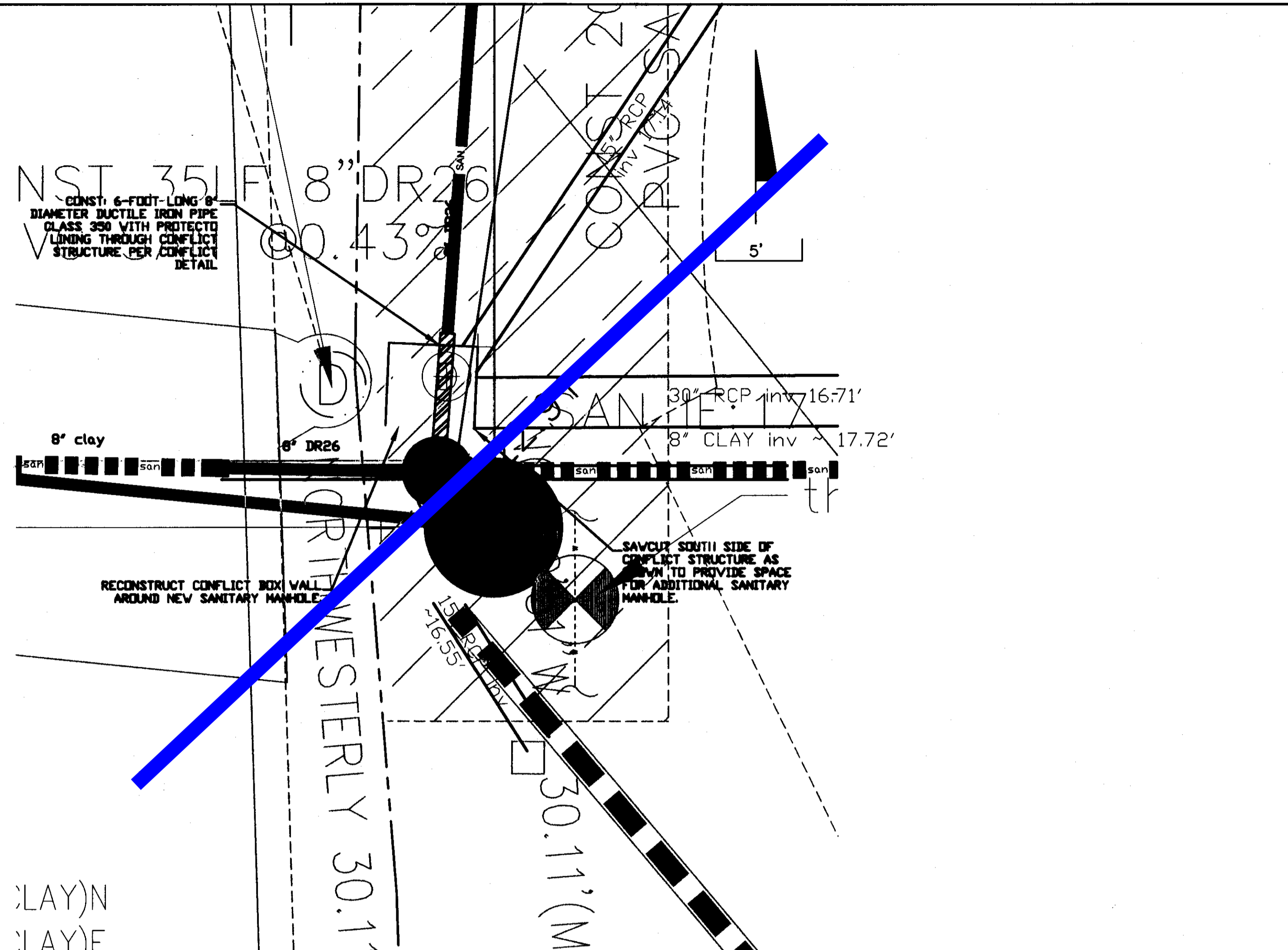
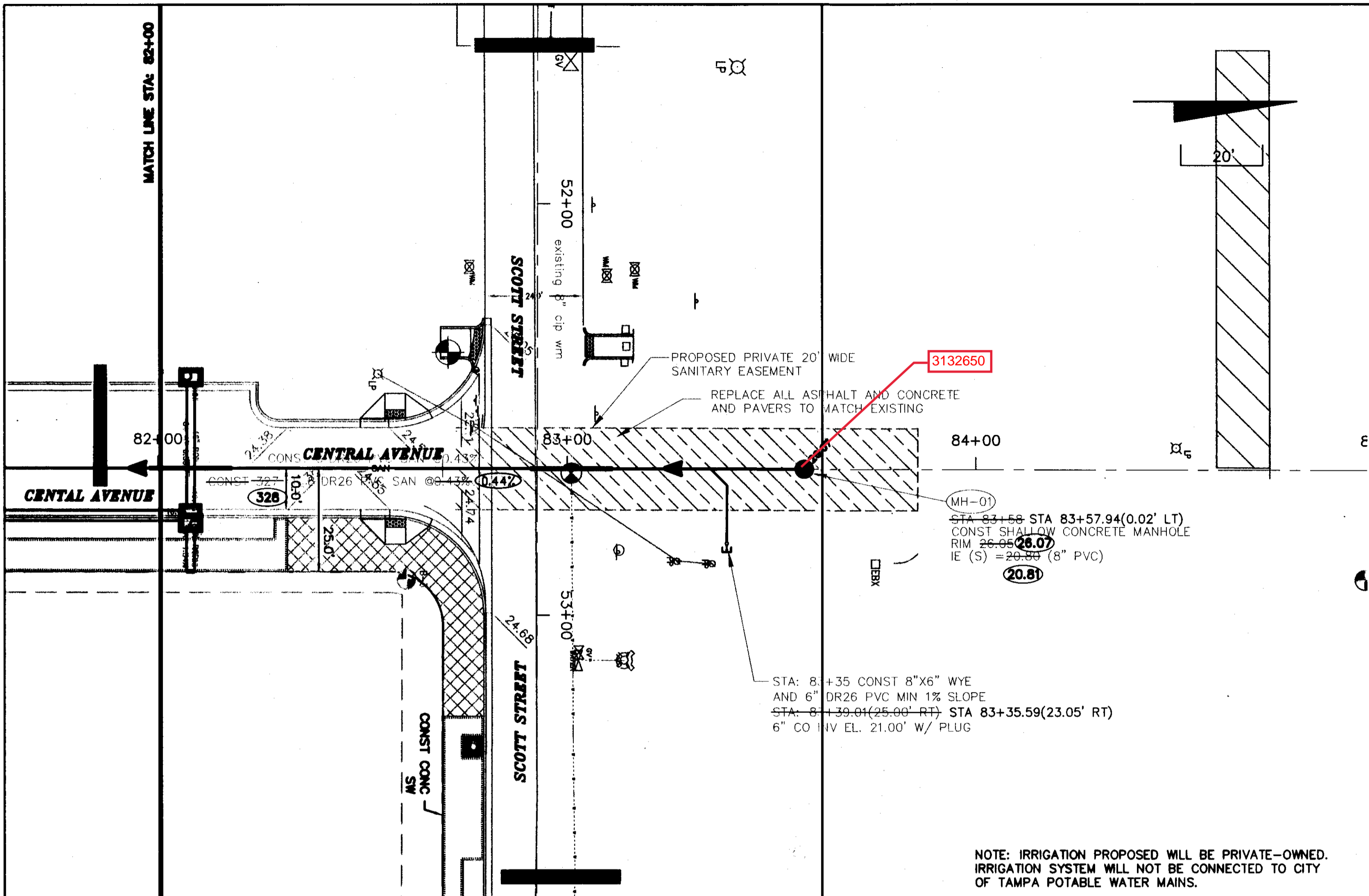
DES: C.L.  
 DRN: R.A.R.  
 CKD: A.H.  
 DATE: 8-9-00

**CITY of TAMPA**  
 DEPARTMENT OF SANITARY SEWERS  
 SANITARY SEWERS DIVISION

**ASHLEY STREET INTERCEPTOR REHABILITATION  
 BY CURED-IN-PLACE PIPE  
 DIVISION B4A**

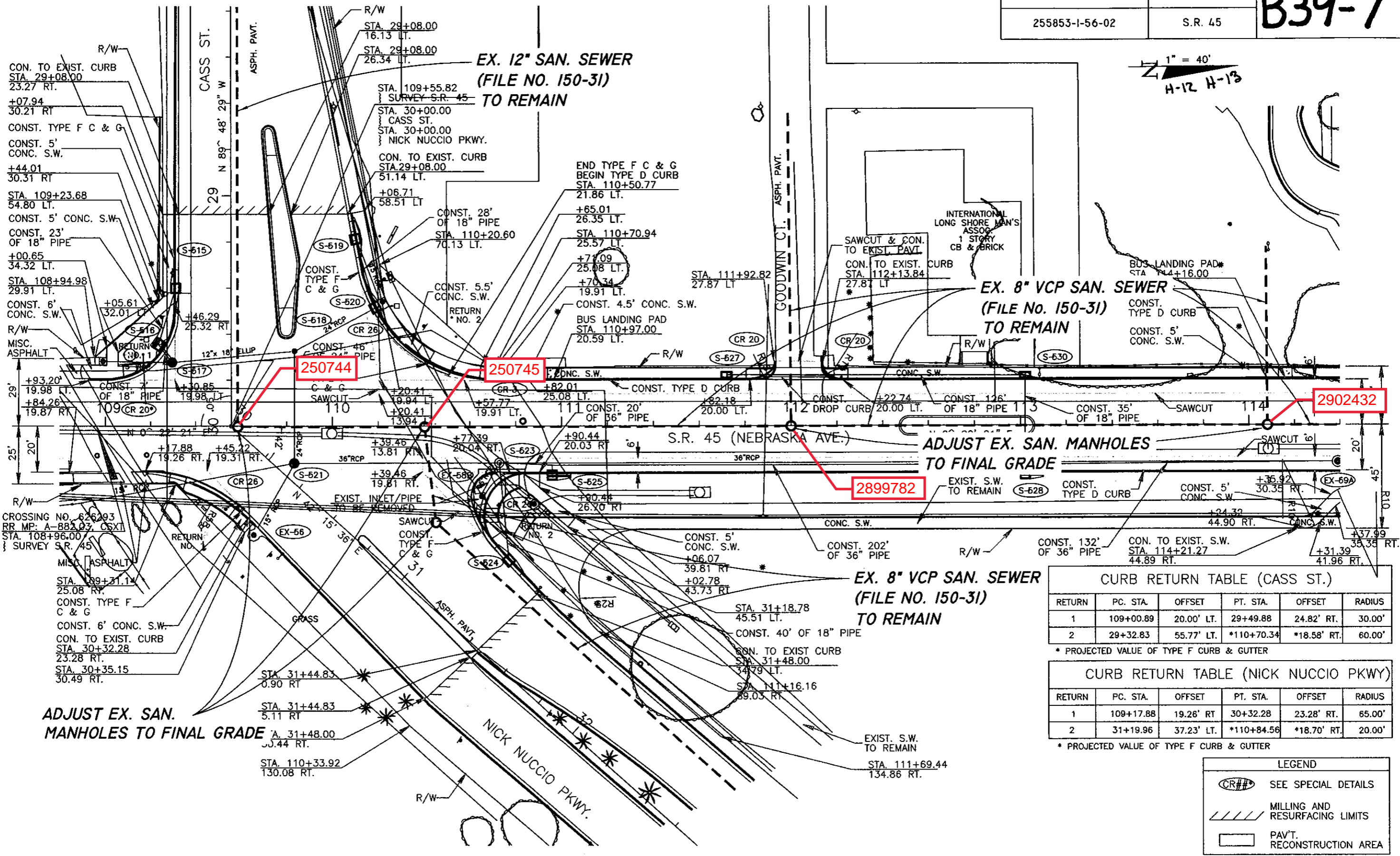
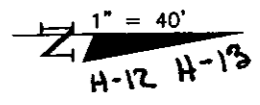
W.O. 7253  
 SHEET  
**4**  
 OF 14

322-38



DESIGNED		BY	DATE	<b>CENTRAL PARK DEVELOPMENT GROUP, LLC</b> 	<b>ENCORE CITY OF TAMPA HILLSBOROUGH COUNTY, FLORIDA</b> 380 Park Place Blvd., Suite 300, Clearwater, Florida 33759 www.cardnotbe.com 727.531.3505 Certificate of Authorization No. 3843	<b>UTILITY PLAN AND PROFILE CENTRAL AVENUE</b> THOMAS M. ROSE, PE FL LICENSE NO. 62860 DATE: 7/21/10	DATE: 7/21/10
DRAWN		BY	DATE				SCALE: HORIZ: 1" = 20' VERT: 1" = 5'
CHECKED		BY	DATE				SHEET: UT - 22

2012-261



**250744**

**250745**

**2899782**

**2902432**

CROSSING NO. 626293  
RR MP: A-88203, CSXI  
STA. 108+96.00  
SURVEY S.R. 45  
MISC. ASPHALT  
STA. 109+31.14  
25.08 RT.  
CON. TO EXIST. CURB  
STA. 30+32.28  
23.28 RT.  
STA. 30+35.15  
30.49 RT.

**ADJUST EX. SAN. MANHOLES TO FINAL GRADE**

**EX. 8" VCP SAN. SEWER (FILE NO. 150-31) TO REMAIN**

**CURB RETURN TABLE (CASS ST.)**

RETURN	PC. STA.	OFFSET	PT. STA.	OFFSET	RADIUS
1	109+00.89	20.00' LT.	29+49.88	24.82' RT.	30.00'
2	29+32.83	55.77' LT.	*110+70.34	*18.58' RT.	60.00'

\* PROJECTED VALUE OF TYPE F CURB & GUTTER

**CURB RETURN TABLE (NICK NUCCIO PKWY)**

RETURN	PC. STA.	OFFSET	PT. STA.	OFFSET	RADIUS
1	109+17.88	19.26' RT.	30+32.28	23.28' RT.	65.00'
2	31+19.96	37.23' LT.	*110+84.56	*18.70' RT.	20.00'

\* PROJECTED VALUE OF TYPE F CURB & GUTTER

**LEGEND**

- SEE SPECIAL DETAILS
- MILLING AND RESURFACING LIMITS
- PAVT. RECONSTRUCTION AREA

1=40

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

DES: J.T.  
DRN: BB  
CKD:  
DATE:

**CITY of TAMPA**  
WASTEWATER DEPARTMENT

**WASTEWATER UTILITY ADJUSTMENTS**  
NEBRASKA AVE.: KENNEDY BLVD. TO HILLSBOROUGH AVE.  
STA 108+80 TO STA 114+40

SHEET  
**U-11**  
OF 71

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.