



City of Tampa

Jane Castor, Mayor

Contract Administration

Michael W. Chucran, Director

306 East Jackson Street, 4N

Tampa, FL 33602

Office (813) 274-8116

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ADDENDUM 2

Via E-Mail

DATE: September 13, 2022

Contract: 22-C-00009; Armenia, Howard, Columbus Gravity Sewer CIPP Lining

Bidders on the above referenced project are hereby notified that the following addendum is made to the Contract Documents. BIDS TO BE SUBMITTED SHALL CONFORM TO THIS NOTICE.

Item 1: Replace Proposal page P-2 with the attached Proposal page P-2R.

Item 2: Replace the Plans with the attached Plans.

All other provisions of the Contract Documents and Specifications not in conflict with this Addendum shall remain in full force and effect. Questions are to be e-mailed to ContractAdministration@tampagov.net.

Jim Greiner

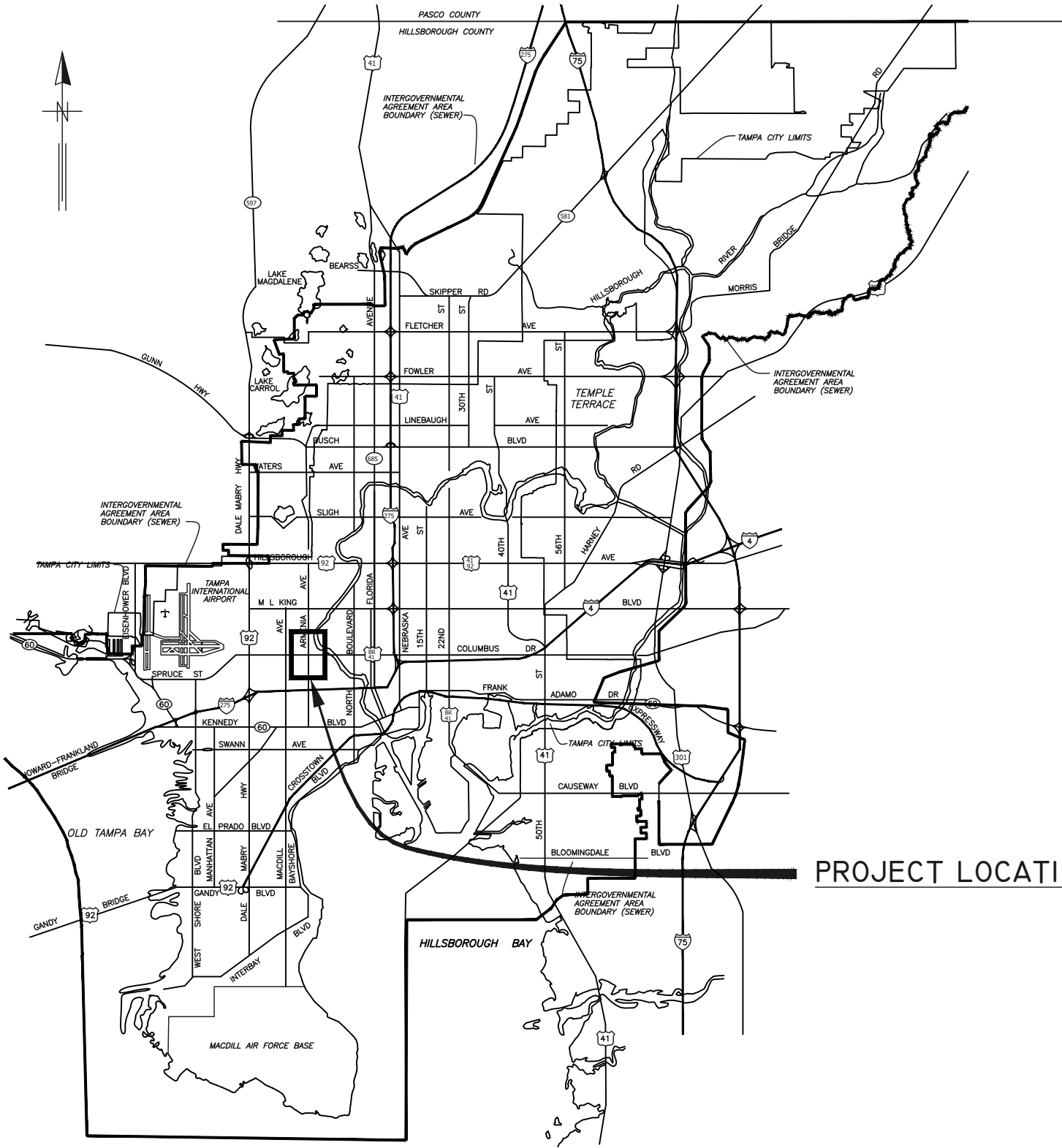
Jim Greiner, P.E., Contract Management Supervisor

Contract: 22-C-00009

Armenia, Howard, Columbus Gravity Sewer CIPP Lining

Item No.	Item	Unit	Quantity	Unit Price in Words	Unit Price	Total
100	Contingency	LS	1	one hundred thousand dollars	\$ 100,000.00	\$ 100,000.00
102	Maintenance of Traffic	LS	1			-
0408.2360	Cured in Place Pipe for 8" Dia. Gravity Sewer (.236 inch thick)	LF	31,583			-
0410.2950	Cured in Place Pipe for 10" Dia. Gravity Sewer (.295 inch thick)	LF	3,098			-
0412.2950	Cured in Place Pipe for 12" Dia. Gravity Sewer (.295 inch thick)	LF	729			-
0415.2950	Cured in Place Pipe for 15" Dia. Gravity Sewer (.295 inch thick)	LF	132			-
0421.4130	Cured in Place Pipe for 21" Dia. Gravity Sewer (.413 inch thick)	LF	597			-
0424.4720	Cured in Place Pipe for 24" Dia. Gravity Sewer (.472 inch thick)	LF	488			-
0601.08	Hydraulic Cleaning & Inspection of 8" Dia. Gravity Sewer	LF	30,702			-
0601.10	Hydraulic Cleaning & Inspection of 10" Dia. Gravity Sewer	LF	3,098			-
0601.12	Hydraulic Cleaning & Inspection of 12" Dia. Gravity Sewer	LF	86			-
0601.15	Hydraulic Cleaning & Inspection of 15" Dia. Gravity Sewer	LF	116			-
0601.21	Hydraulic Cleaning & Inspection of 21" Dia. Gravity Sewer	LF	597			-
0601.24	Hydraulic Cleaning & Inspection of 24" Dia. Gravity Sewer	LF	488			-
0602.08	Mechanical Cleaning & Inspection of 8" Dia. Gravity Sewer	LF	6,317			-
0602.10	Mechanical Cleaning & Inspection of 10" Dia. Gravity Sewer	LF	620			-
0602.12	Mechanical Cleaning & Inspection of 12" Dia. Gravity Sewer	LF	146			-
0602.15	Mechanical Cleaning & Inspection of 15" Dia. Gravity Sewer	LF	26			-
0602.21	Mechanical Cleaning & Inspection of 21" Dia. Gravity Sewer	LF	119			-
0602.24	Mechanical Cleaning & Inspection of 24" Dia. Gravity Sewer	LF	98			-
0621.08	Cleaning & Inspection of Tuberculated Cast Iron or Ductile Iron Sewer, 8" Dia.	LF	881			-
0621.12	Cleaning & Inspection of Tuberculated Cast Iron or Ductile Iron Sewer, 12" Dia.	LF	643			-
0621.15	Cleaning & Inspection of Tuberculated Cast Iron or Ductile Iron Sewer, 15" Dia.	LF	16			-
0700	Disposal of Debris	CY	150			-
2050	Reconnect Service Connections	EA	972			-
2051	Removal of Protruding Services	EA	2			-
2052	Root Removal	LF	100			-
2053.08	Chemical Grouting Lateral after Lining in 8" Gravity Sewer	EA	889			-
2053.10	Chemical Grouting Lateral after Lining in 10" Gravity Sewer	EA	57			-
2053.12	Chemical Grouting Lateral after Lining in 12" Gravity Sewer	EA	9			-
2053.24	Chemical Grouting Lateral after Lining in 24" Gravity Sewer	EA	6			-
4600.1p	Small Size Manhole Frame and Cover Replacement	EA	16			-
4600.2p	Large Size Manhole Frame and Cover Replacement	EA	1			-
4800	Manhole Rehabilitation by Coating System min. 250 mills thickness	SF	10,520			-
9000	Sewer Bypass with Tanker Truck	HRS	50			-
9050.08	Sewage Bypass Pumping for 8" Dia. Sewer	LF	31,583			-
9050.10	Sewage Bypass Pumping for 10" Dia. Sewer	LF	3,098			-
9050.12	Sewage Bypass Pumping for 12" Dia. Sewer	LF	729			-
9050.15	Sewage Bypass Pumping for 15" Dia. Sewer	LF	132			-
9050.21	Sewage Bypass Pumping for 21" Dia. Sewer	LF	597			-
9050.24	Sewage Bypass Pumping for 24" Dia. Sewer	LF	488			-
					TOTAL	

LOCATION MAP



CITY of TAMPA



WASTEWATER DEPARTMENT ENGINEERING DIVISION

PLANS FOR ARMENIA/HOWARD/COLUMBUS CIPP LINING SYSTEM REHABILITATION

CONTRACT NO. 22-C-00009

PROJECT LOCATION

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: DR	CITY of TAMPA WASTEWATER DEPARTMENT	Armenia/Howard/Columbus CIPP Lining	SHEET
	1			DRN: GP			
	2			CKD:		COVER	1
	3			DATE:			

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 Layout- Jun 20, 2022 - 10:35am

GENERAL NOTES

1. THE SCOPE OF THIS PROJECT SHALL CONSIST OF REHABILITATION OF 8", 10", 12", 15", 21" 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 20-92 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 350 GPM FOR 8" PIPE, 550 GPM FOR 10" PIPE, 800 GPM FOR 12" PIPE, 1,200 GPM FOR 15", 2,200 GPM FOR 21" PIPE & 2,900 GPM FOR 24" 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 SHALL BE PER "PROPOSED CIPP LINER THICKNESS" TABLE ON THIS SHEET.
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	OVERVIEW LOCATION MAP
4 - 17	AREA MAPS
18	MANHOLE DETAIL
19	MANHOLE DETAILS
20 - 92	WASTEWATER RECORD DRAWINGS FOR REFERENCE

PROPOSED CIPP LINER THICKNESS		
PIPE SIZE	(IN)	(MM)
8"	0.236	6.0
10"	0.295	7.5
12"	0.295	7.5
15"	0.295	7.5
21"	0.413	10.5
24"	0.472	12.0

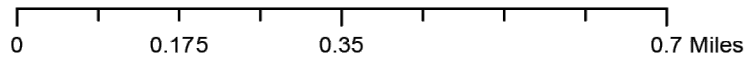
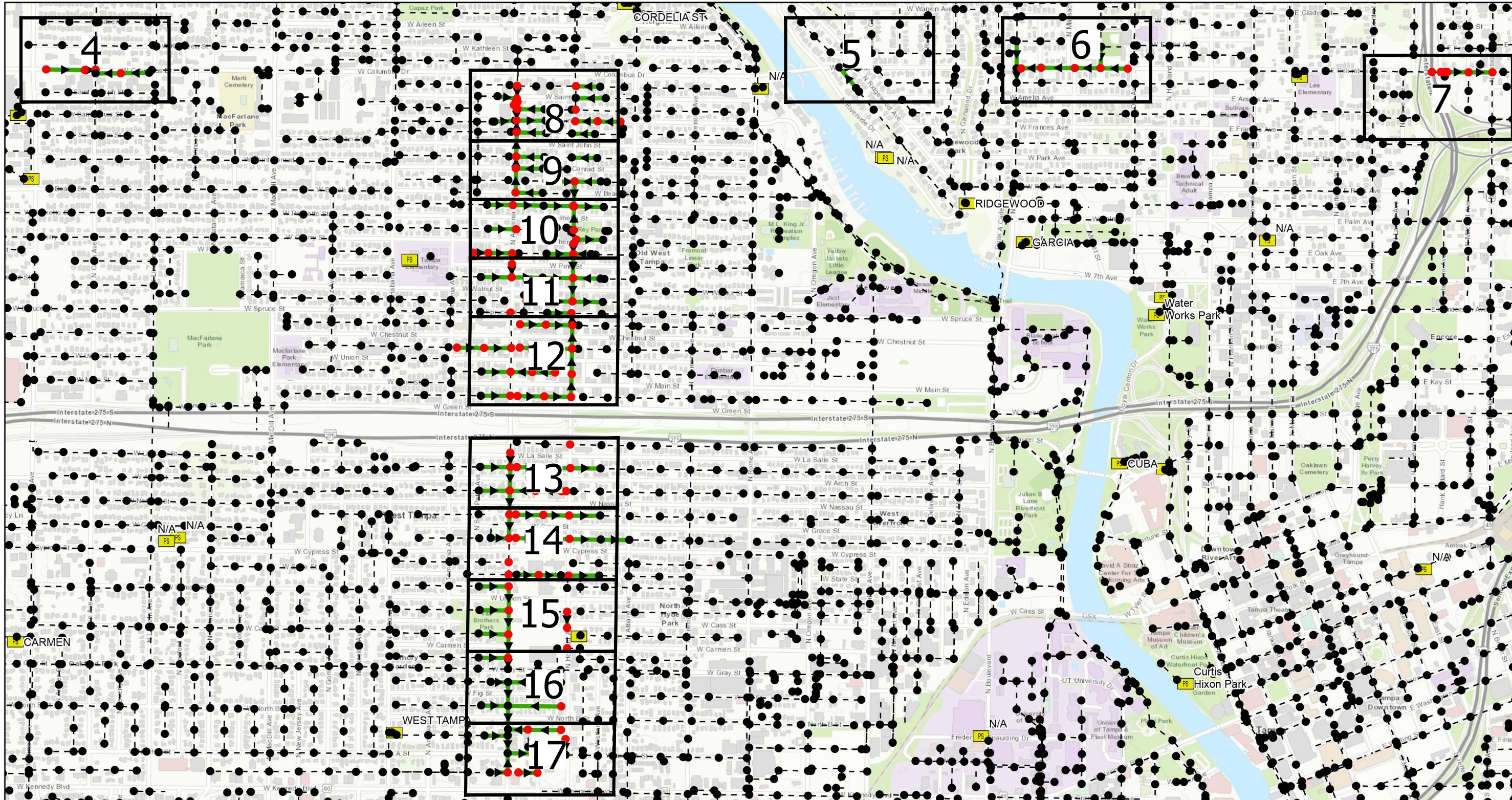
PROPOSED MANHOLE COATING SYSTEM THICKNESS	
Location	Coating System
Manhole Barrel	250 MILS (MIN)
Manhole Benches	250 MILS (MIN)

** 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.

User: sst5 Drawing Name: K:\Wastewater Projects\Armenia-Howard-Columbus Gravity Sewer CIPP Lining\Drafting\DWG\cipp lining.dwg Layout- Sep 01, 2022 - 3:51pm

JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	#	DATE	REVISIONS	DES: DR	CITY of TAMPA WASTEWATER DEPARTMENT	Armenia/Howard/Columbus CIPP Lining	SHEET
	1			DRN: GP			
	2			CKD:			
	3			DATE:			NOTES

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- 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

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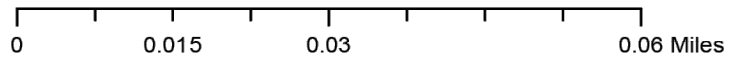
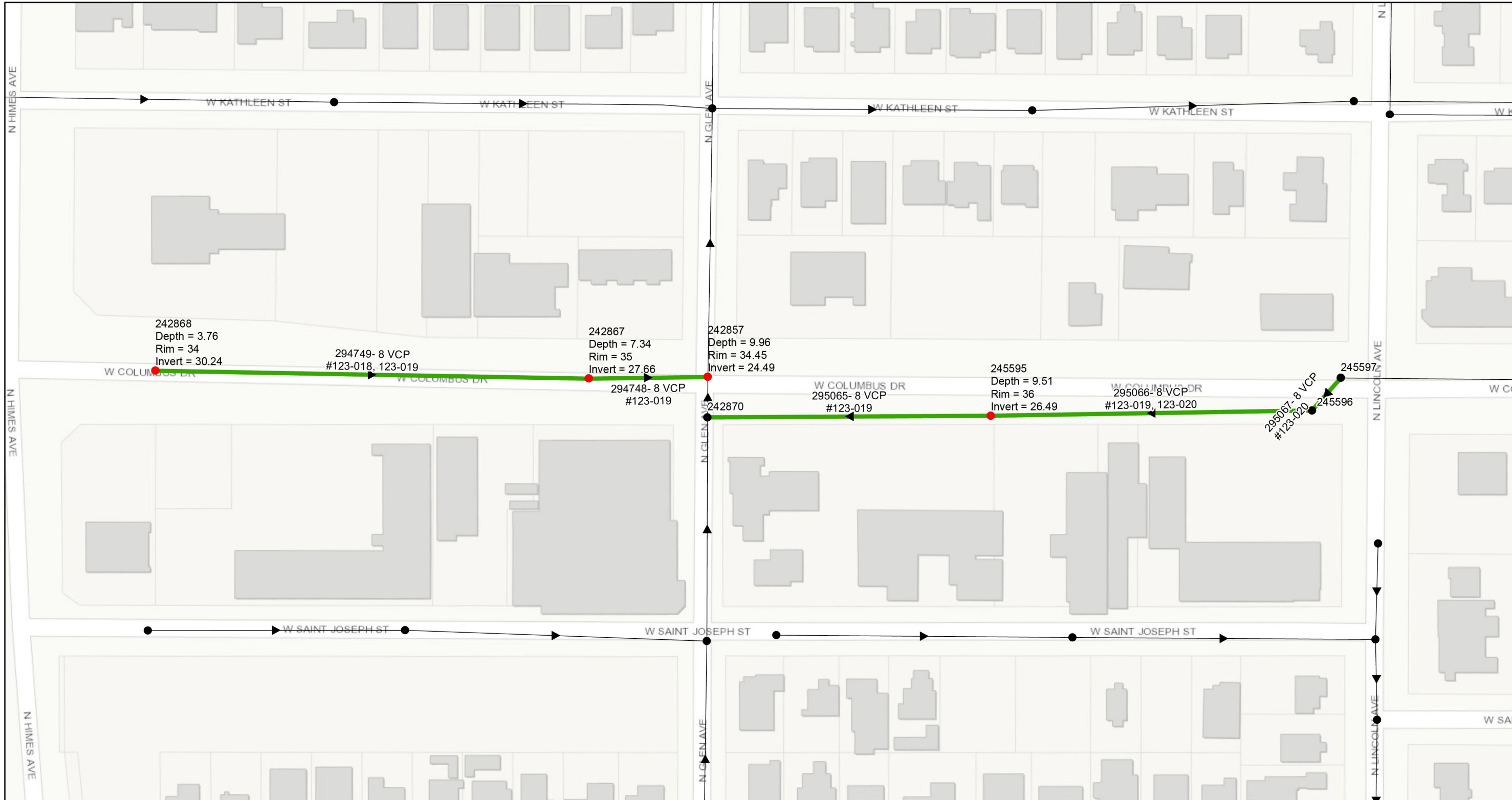
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CITY of TAMPA
 WASTEWATER DEPARTMENT

Armenia/Howard/Columbus CIPP Lining
 OVERVIEW LOCATION MAP

SHEET
3

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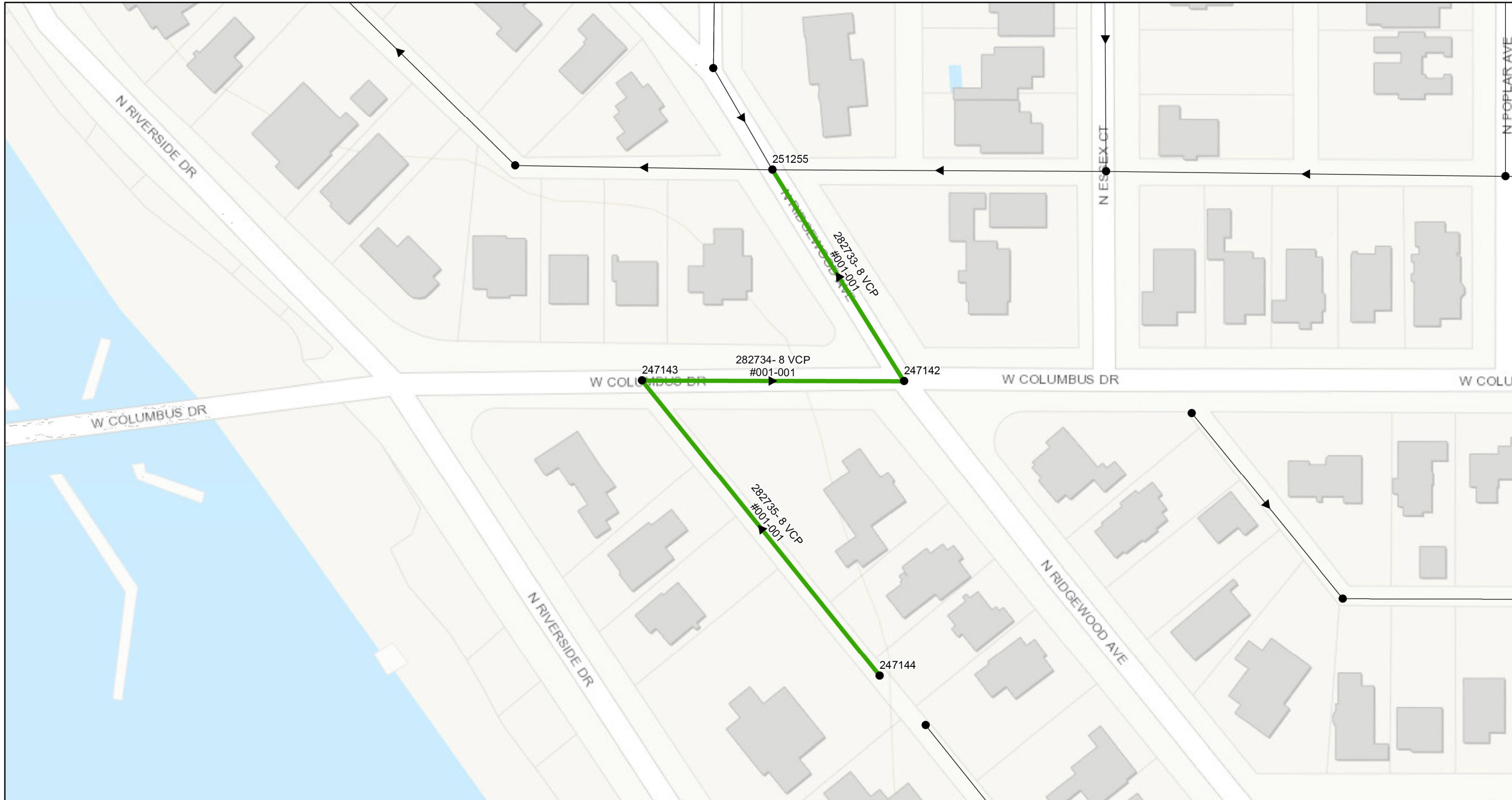
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CITY of TAMPA
WASTEWATER DEPARTMENT

Armenia/Howard/Columbus CIPP Lining
AREA MAP(1)

SHEET
4

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 Layout- Sep 07, 2022 - 3:51pm CTB - MONO -RED-GREEN,CTB TOSHIBA_UNL_COLOR (NORTH WING)



0 0.01 0.02 0.04 Miles

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CITY of TAMPA
 WASTEWATER DEPARTMENT

Armenia/Howard/Columbus CIPP Lining
 AREA MAP(2)

SHEET
5

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0 0.015 0.03 0.06 Miles

Legend

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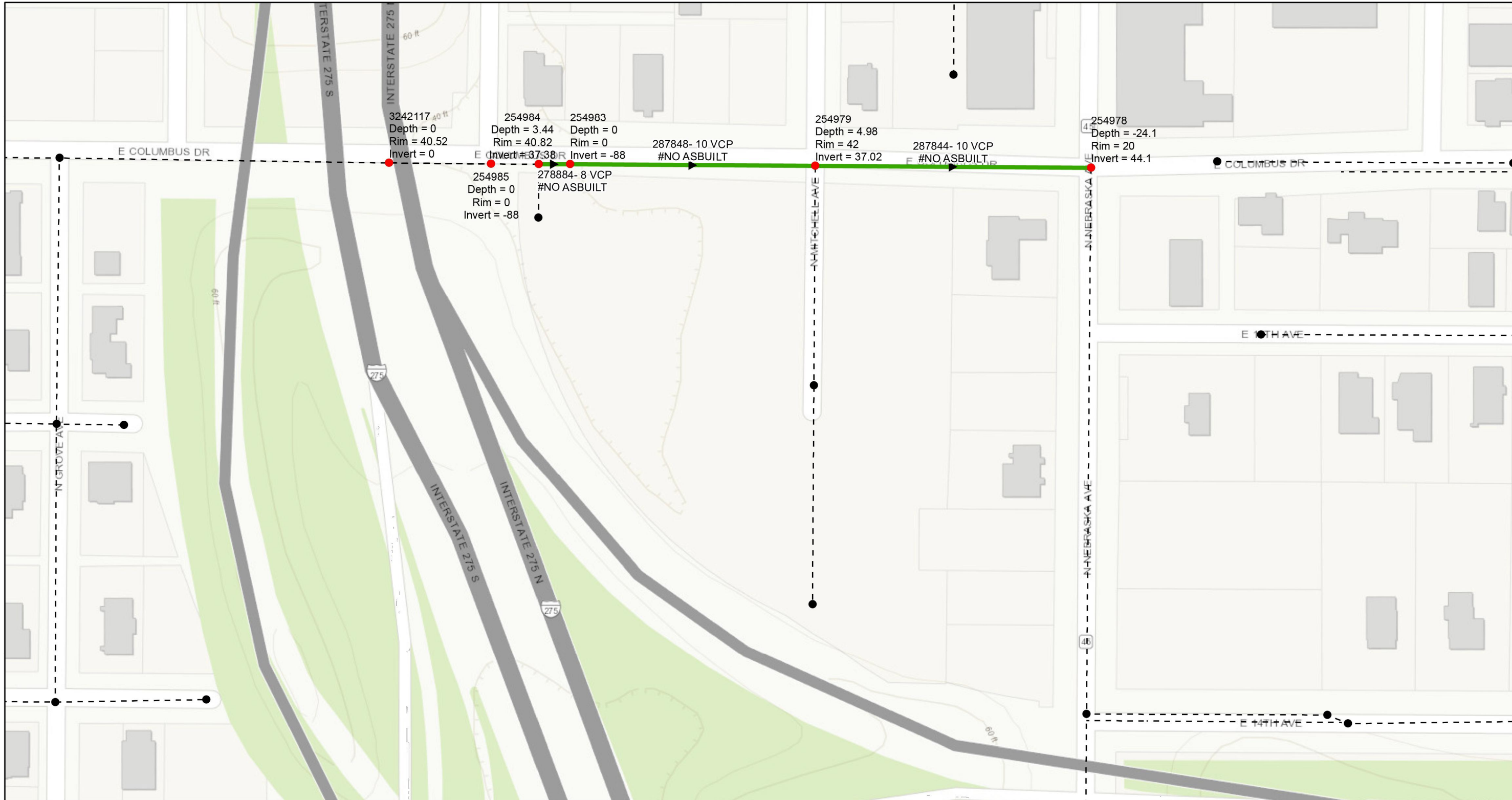
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 WASTEWATER DEPARTMENT

Armenia/Howard/Columbus CIPP Lining
 AREA MAP(3)

SHEET
6

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0 0.015 0.03 0.06 Miles

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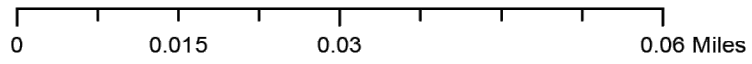
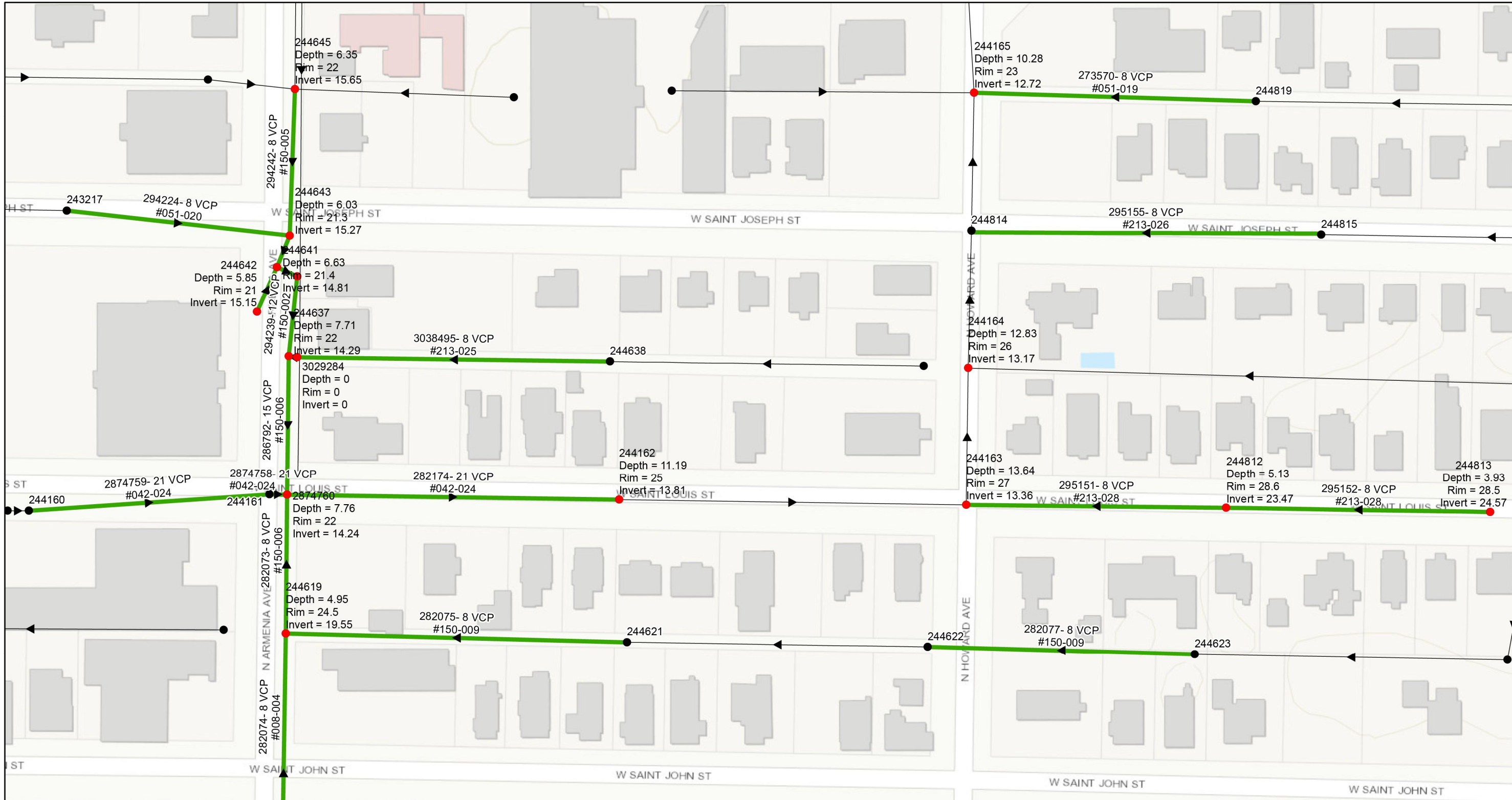
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CITY of TAMPA
 WASTEWATER DEPARTMENT

Armenia/Howard/Columbus CIPP Lining
 AREA MAP(4)

SHEET
7

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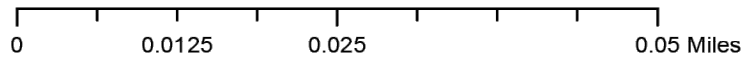
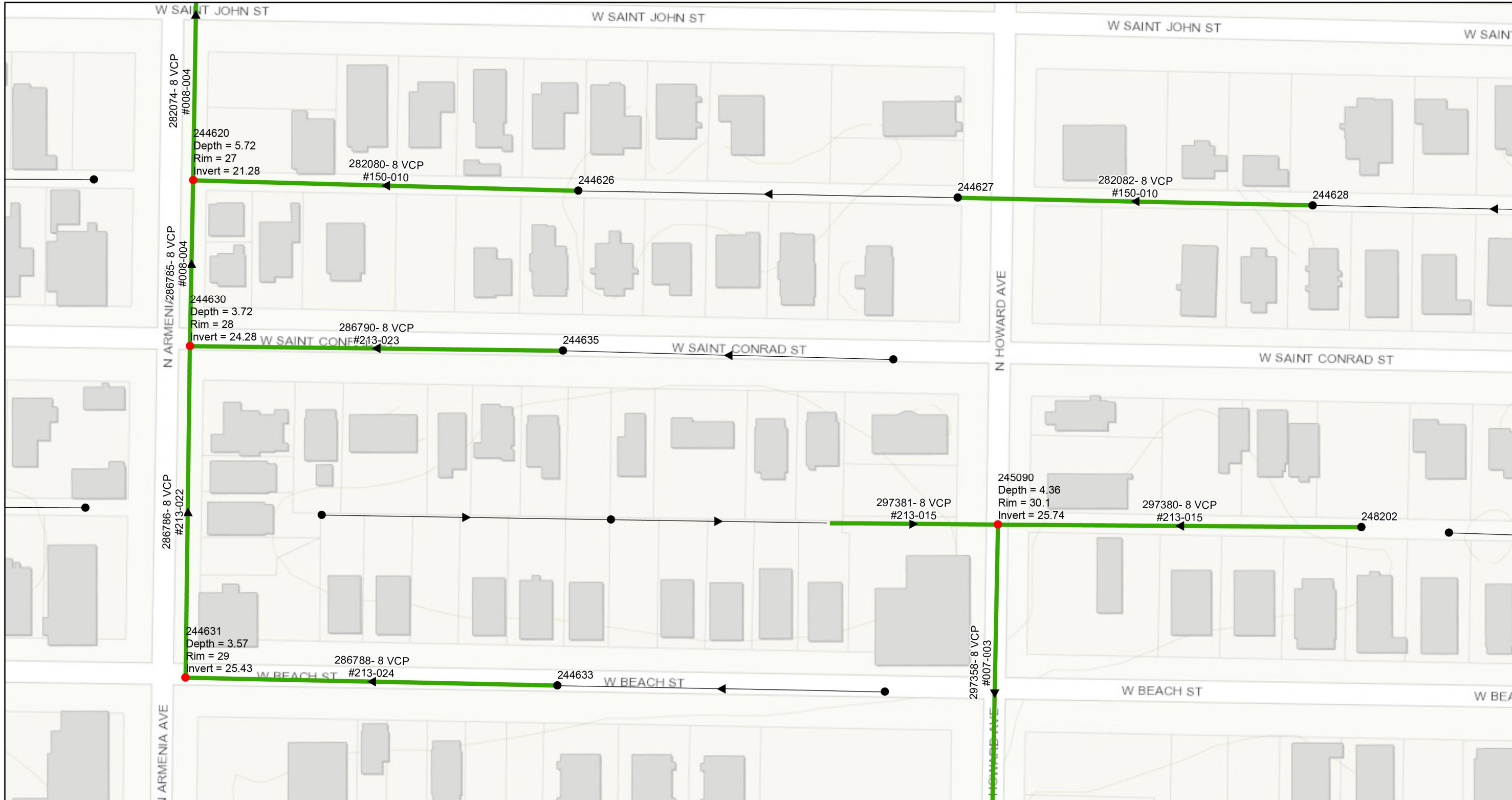
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CITY of TAMPA
 WASTEWATER DEPARTMENT

Armenia/Howard/Columbus CIPP Lining
 AREA MAP(5)

SHEET
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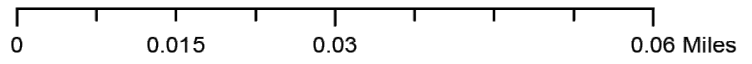
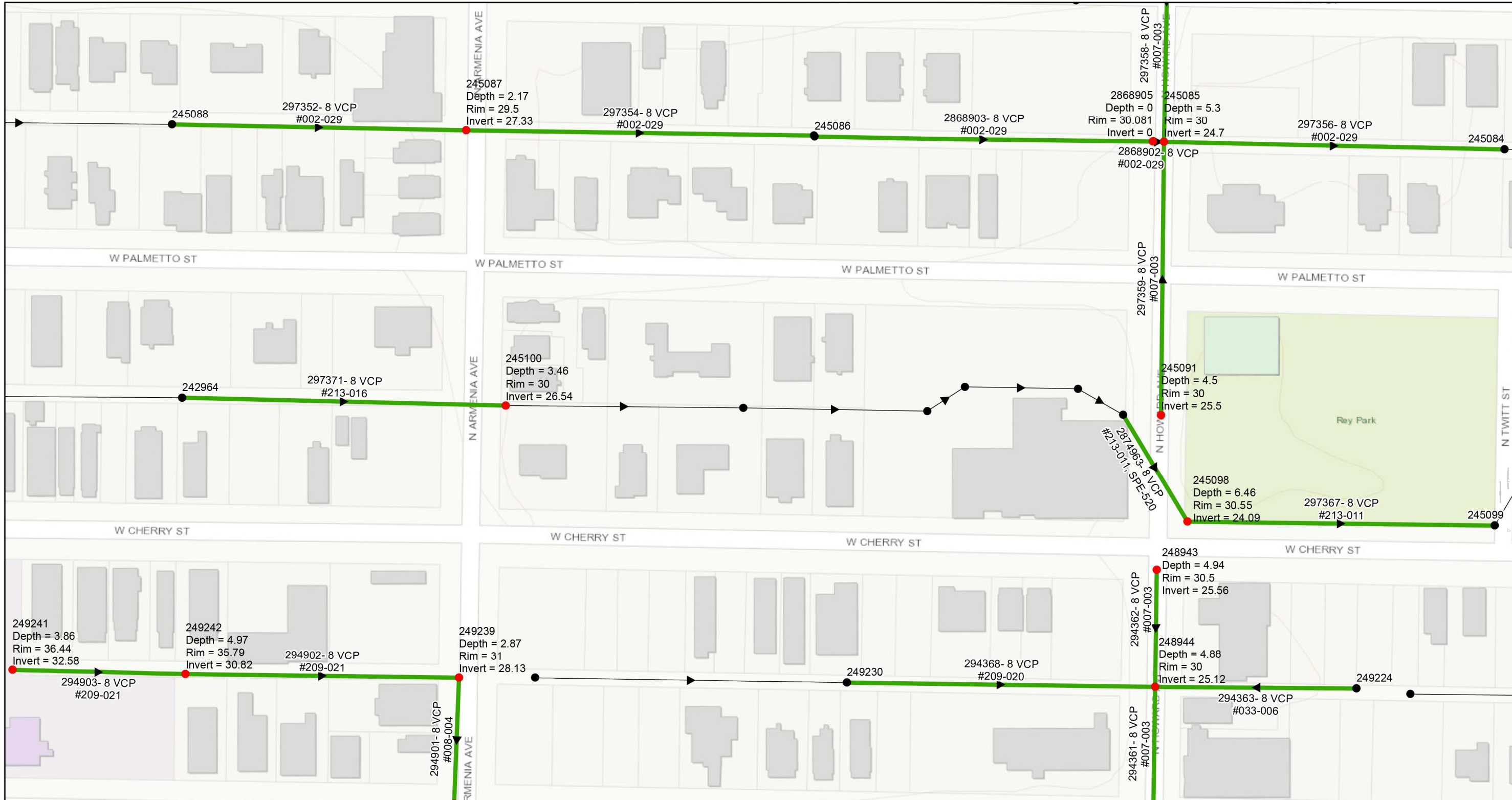
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CITY of TAMPA
 WASTEWATER DEPARTMENT

Armenia/Howard/Columbus CIPP Lining
 AREA MAP(6)

SHEET
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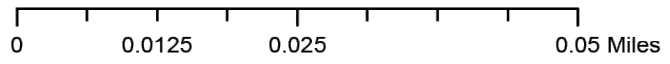
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CITY of TAMPA
 WASTEWATER DEPARTMENT

Armenia/Howard/Columbus CIPP Lining
 AREA MAP(7)

SHEET
10

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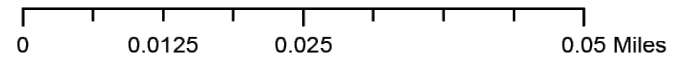
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CITY of TAMPA
 WASTEWATER DEPARTMENT

Armenia/Howard/Columbus CIPP Lining
 AREA MAP(8)

SHEET
11

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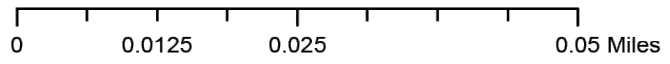
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CITY of TAMPA
WASTEWATER DEPARTMENT

Armenia/Howard/Columbus CIPP Lining
AREA MAP(9)

SHEET 12

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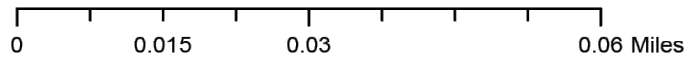
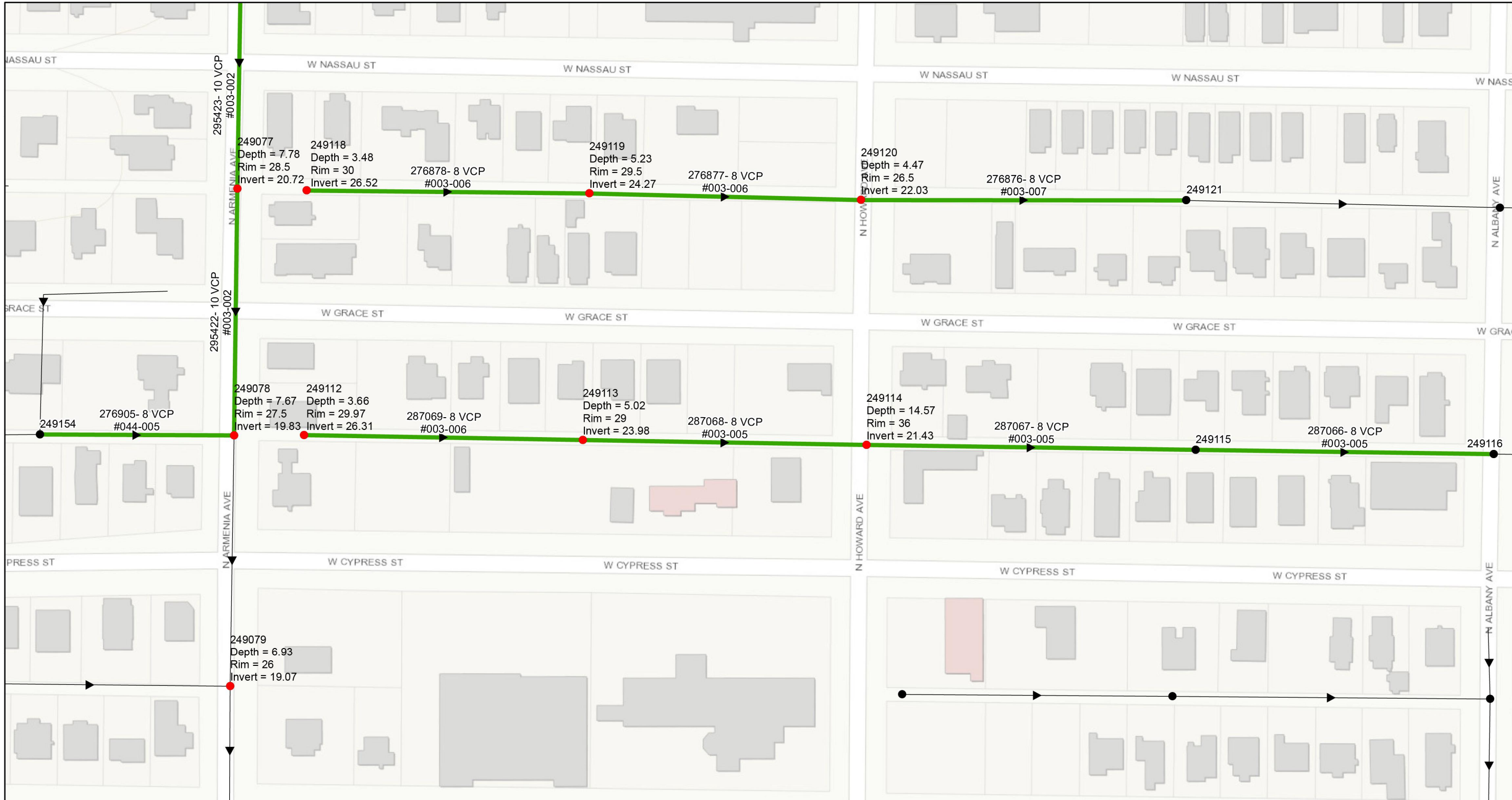
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CITY of TAMPA
WASTEWATER DEPARTMENT

Armenia/Howard/Columbus CIPP Lining
AREA MAP(10)

SHEET
13

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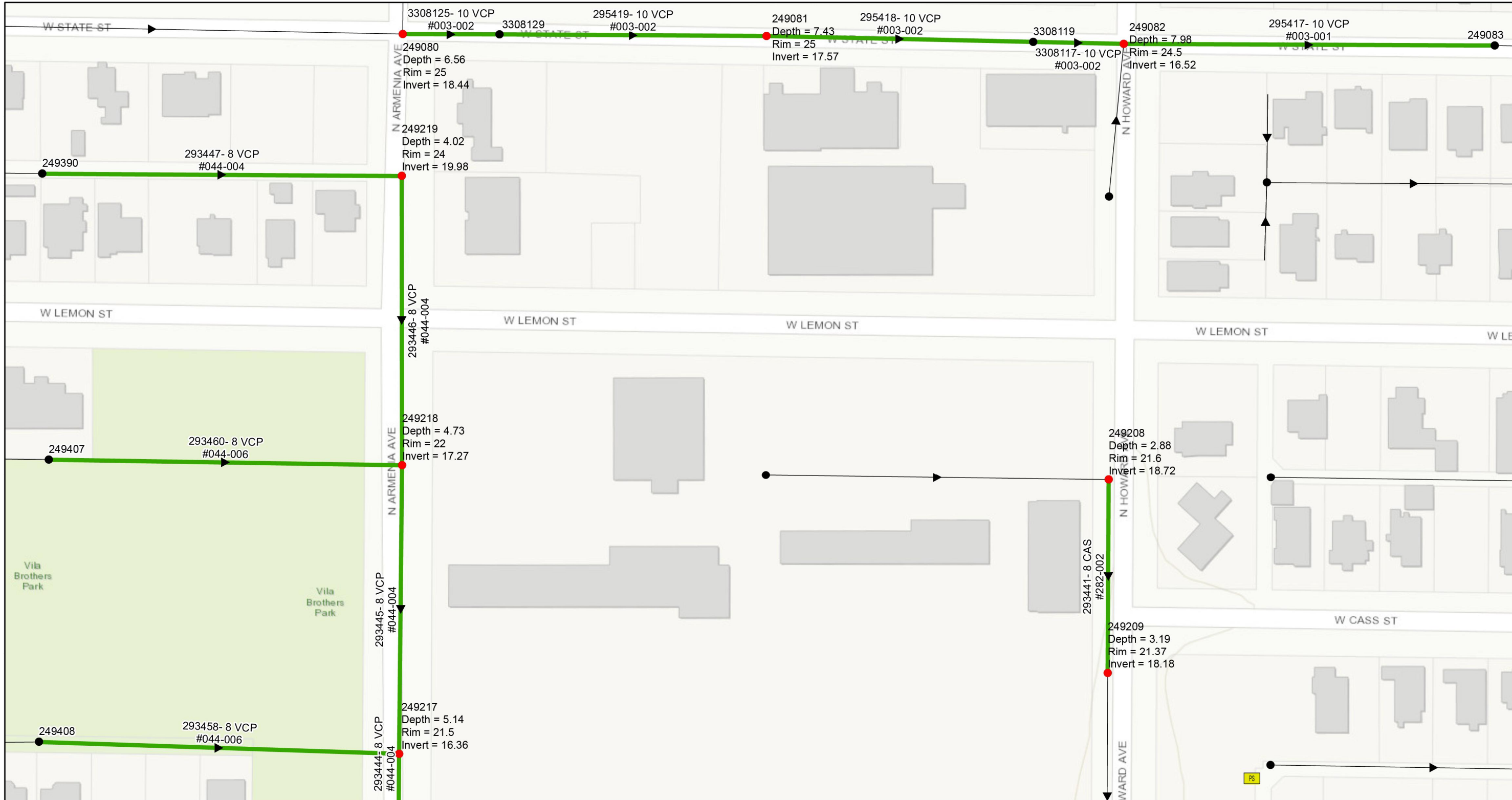
DES: DR
 DRN: GP
 CKD:
 DATE:

CITY of TAMPA
 WASTEWATER DEPARTMENT

Armenia/Howard/Columbus CIPP Lining
 AREA MAP(11)

SHEET
 14

User: sst5 Drawing Name: K:\Wastewater Projects\Armenia-Howard-Columbus Gravity Sewer CIPP Lining\Drafting\DWG\cipp lining.dwg
 Layout- Sep 01, 2022 - 3:51pm CTB - MONO -RED-GREEN,CTB TOSHIBA_UNL_COLOR (NORTH WING)



0 0.0125 0.025 0.05 Miles

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



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

#	DATE	REVISIONS
1		
2		
3		

DES: DR
 DRN: GP
 CKD:
 DATE:

CITY of TAMPA
 WASTEWATER DEPARTMENT

Armenia/Howard/Columbus CIPP Lining
 AREA MAP(12)

SHEET
15

User: sst5 Drawing Name: K:\Wastewater Projects\Armenia-Howard-Columbus Gravity Sewer CIPP Lining\Drafting\DWG\cipp lining.dwg
 Layout- Sep 01, 2022 - 3:51pm CTB - MONO - RED-GREEN,CTB TOSHIBA_UNL_COLOR (NORTH WING)



0 0.0125 0.025 0.05 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		

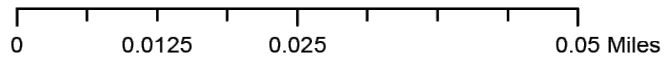
DES:	DR
DRN:	GP
CKD:	
DATE:	

CITY of TAMPA
WASTEWATER DEPARTMENT

Armenia/Howard/Columbus CIPP Lining
AREA MAP(13)

SHEET
16

User: sst5 Drawing Name: K:\Wastewater Projects\Armenia-Howard-Columbus Gravity Sewer CIPP Lining\Drafting\DWG\cipp lining.dwg
 Layout- Sep 07, 2022 - 3:51pm 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: DR
 DRN: GP
 CKD:
 DATE:

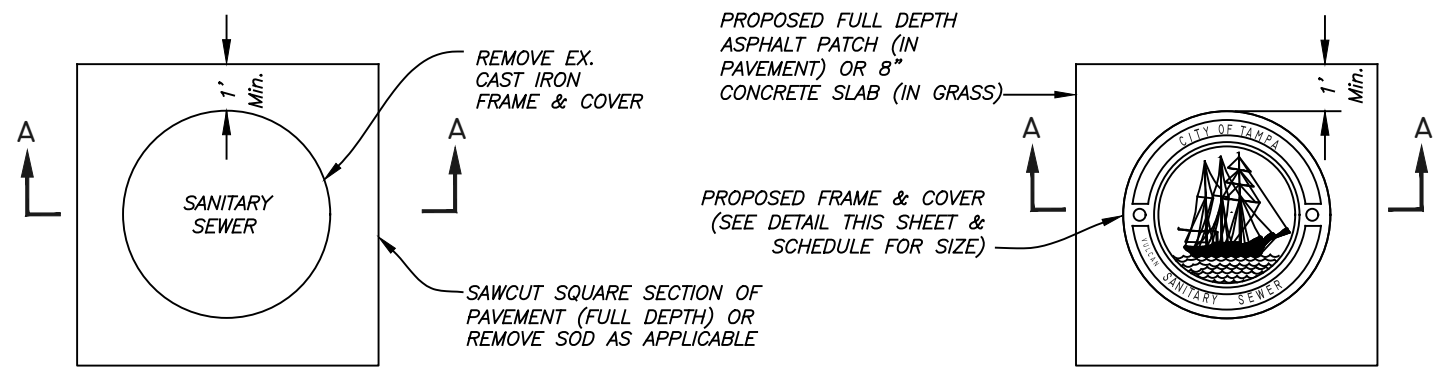
CITY of TAMPA
 WASTEWATER DEPARTMENT

Armenia/Howard/Columbus CIPP Lining
 AREA MAP(14)

SHEET
17

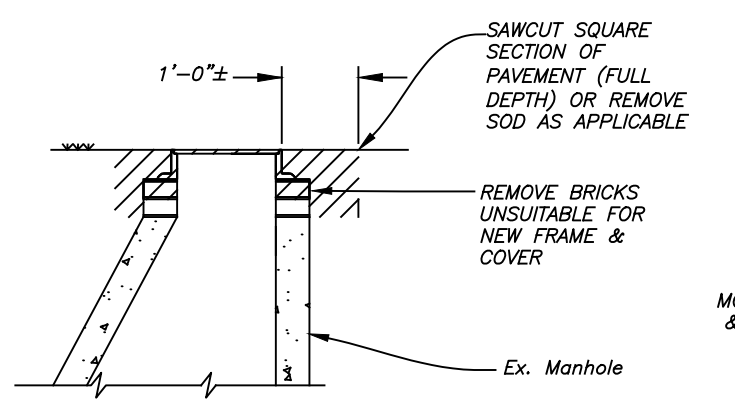
ASPHALT RESTORATION NOTE

PAVEMENT RESTORATION SHALL CONSIST OF 12" PERMANENT BASE (CRUSHED CONCRETE) AND 2" PERMANENT ASPHALT SUPERPAVE PAVEMENT, UNLESS OTHERWISE NOTED. IF LOCATED IN D.O.T. ROW, AN ADDITIONAL 1 1/2" SUPER PAVE ASPHALT IS REQUIRED.

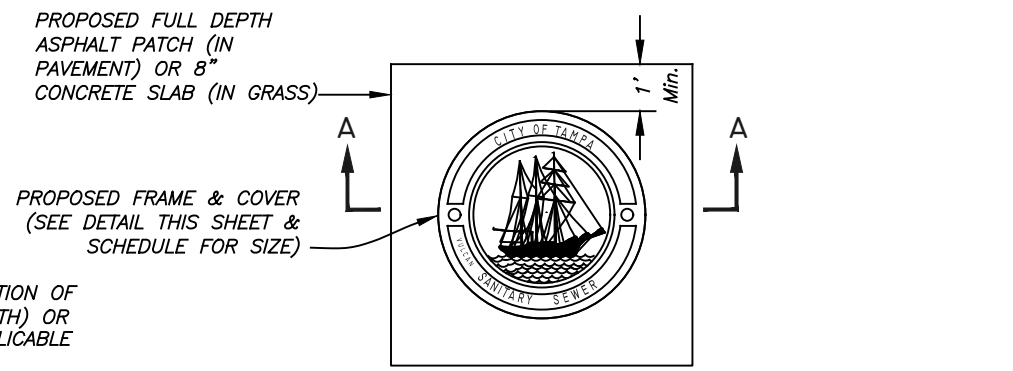


PLAN

COVER SECTION

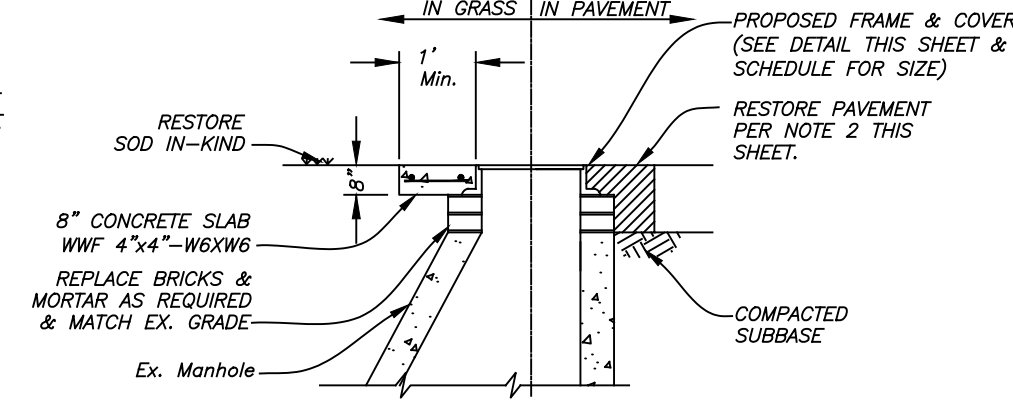


SECTION A-A
REMOVAL DETAIL

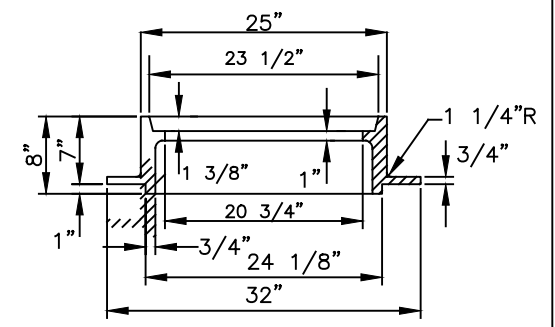


COVER BACK

COVER FACE

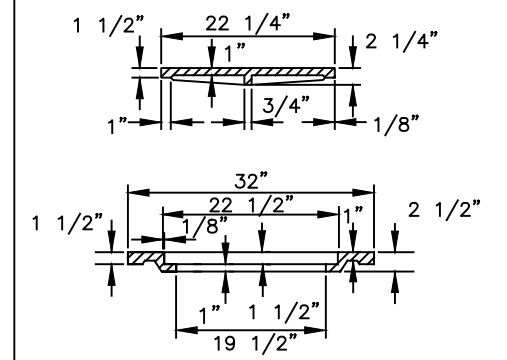


SECTION B-B
REPLACEMENT
DETAIL

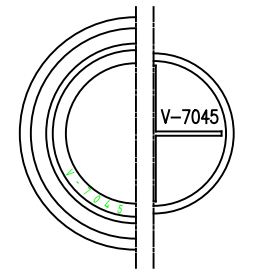


FRAME SECTION

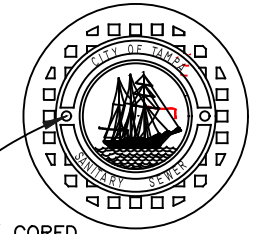
FOR MH'S OF SEWERS 24" OR LESS IN DIAMETER:
VULCAN FOUNDRY NO. V-1471,
U.S. FOUNDRY NO. 575-AT, OR EQUAL



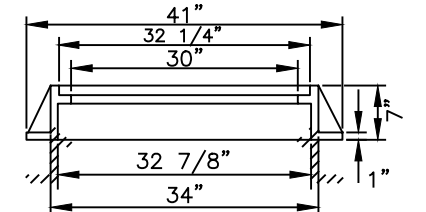
INNER & OUTER COVER SECTIONS



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

User: sst5 Drawing Name: K:\Wastewater Projects\Armenia-Howard-Columbus Gravity Sewer CIPP Lining\Drafting\DWG\cipp lining.dwg Layout- Sep 07, 2022 - 3:51pm

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

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

CITY of TAMPA
WASTEWATER DEPARTMENT

Armenia/Howard/Columbus CIPP Lining

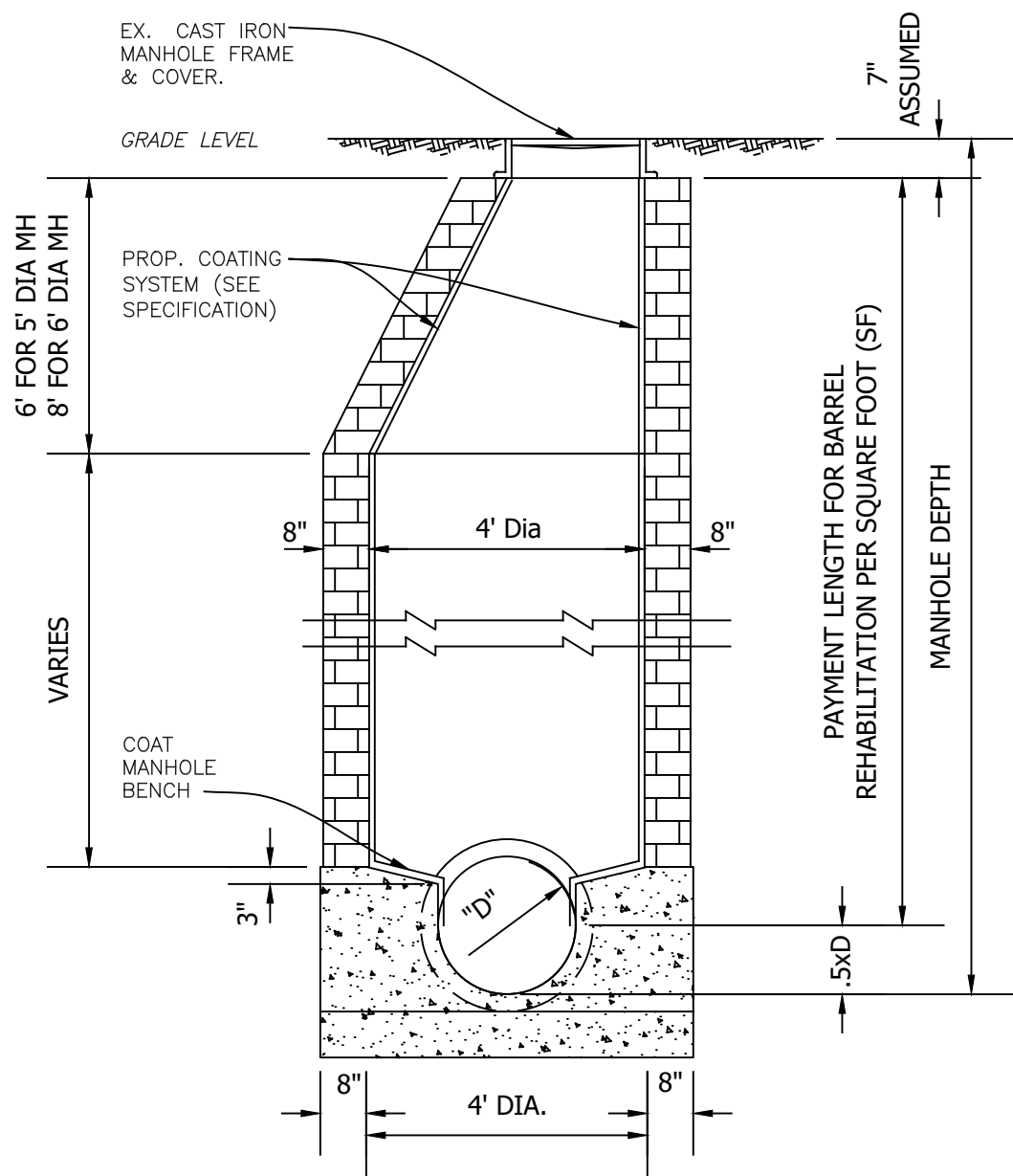
MANHOLE DETAIL

SHEET

18

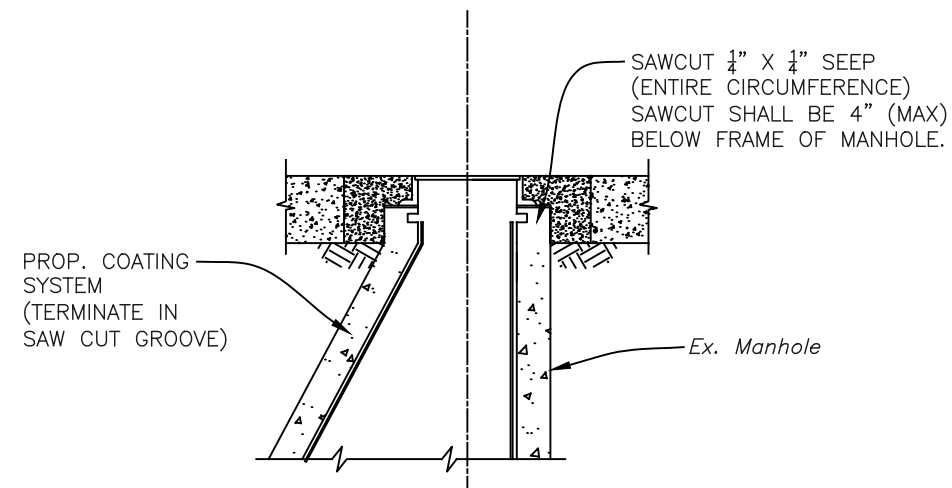
NOTES

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.



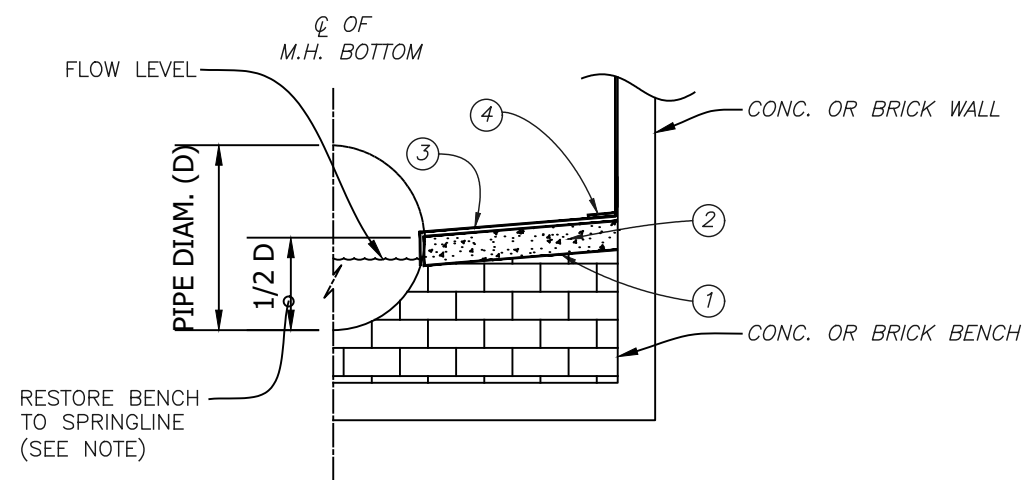
BRICK OR CONCRETE MANHOLE (TYPICAL)

SCALE: N.T.S.



COATING TERMINATION DETAIL

SCALE: N.T.S.



TYPICAL MANHOLE BENCH RESTORATION DETAIL

SCALE: N.T.S.

User: sst5 Drawing Name: K:\Wastewater Projects\Armenia-Howard-Columbus Gravity Sewer CIPP Lining\Drafting\DWG\Cipp Lining.dwg Layout- Sep 01, 2022 - 3:51pm

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

#	DATE	REVISIONS
1		
2		
3		

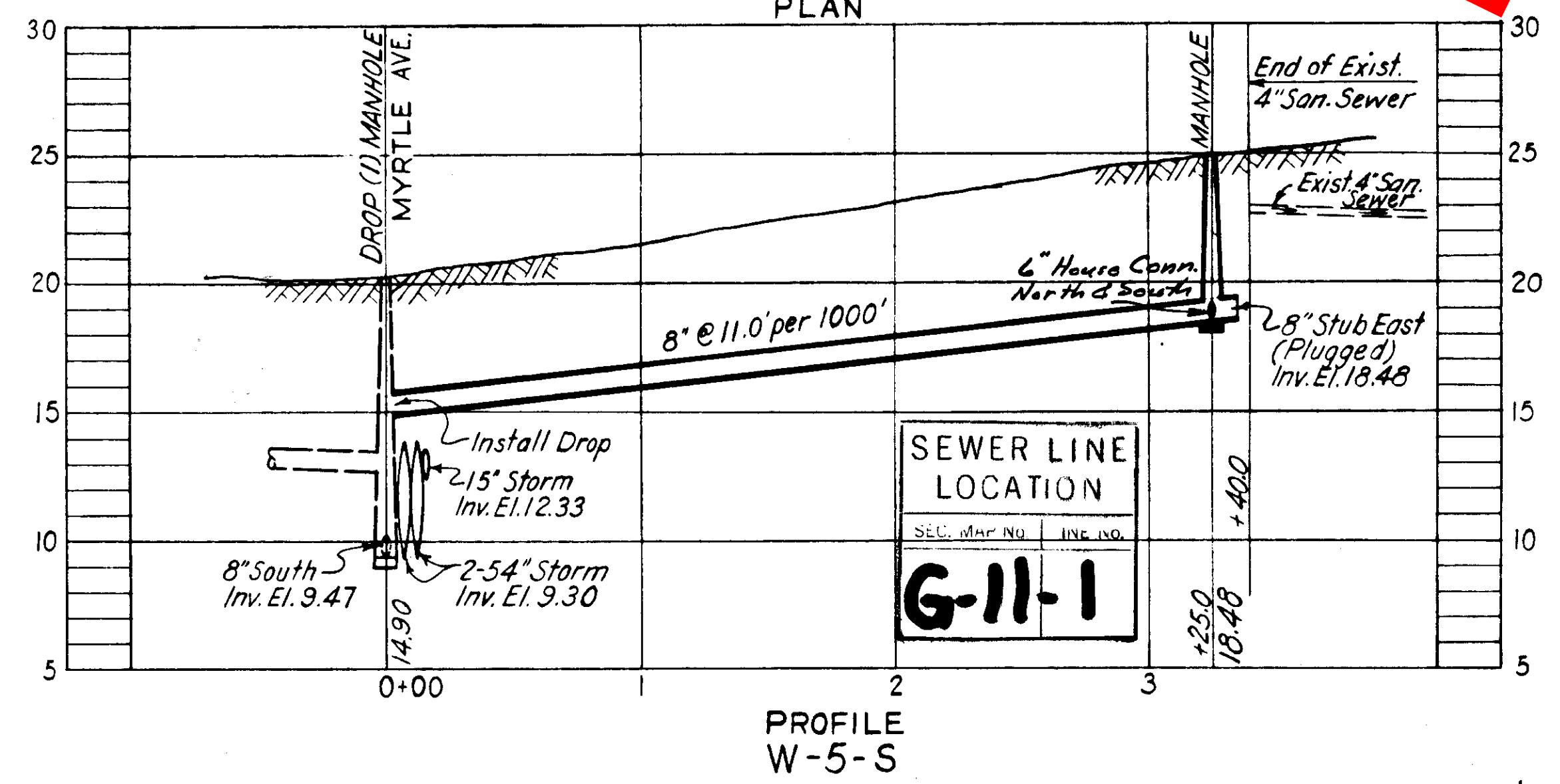
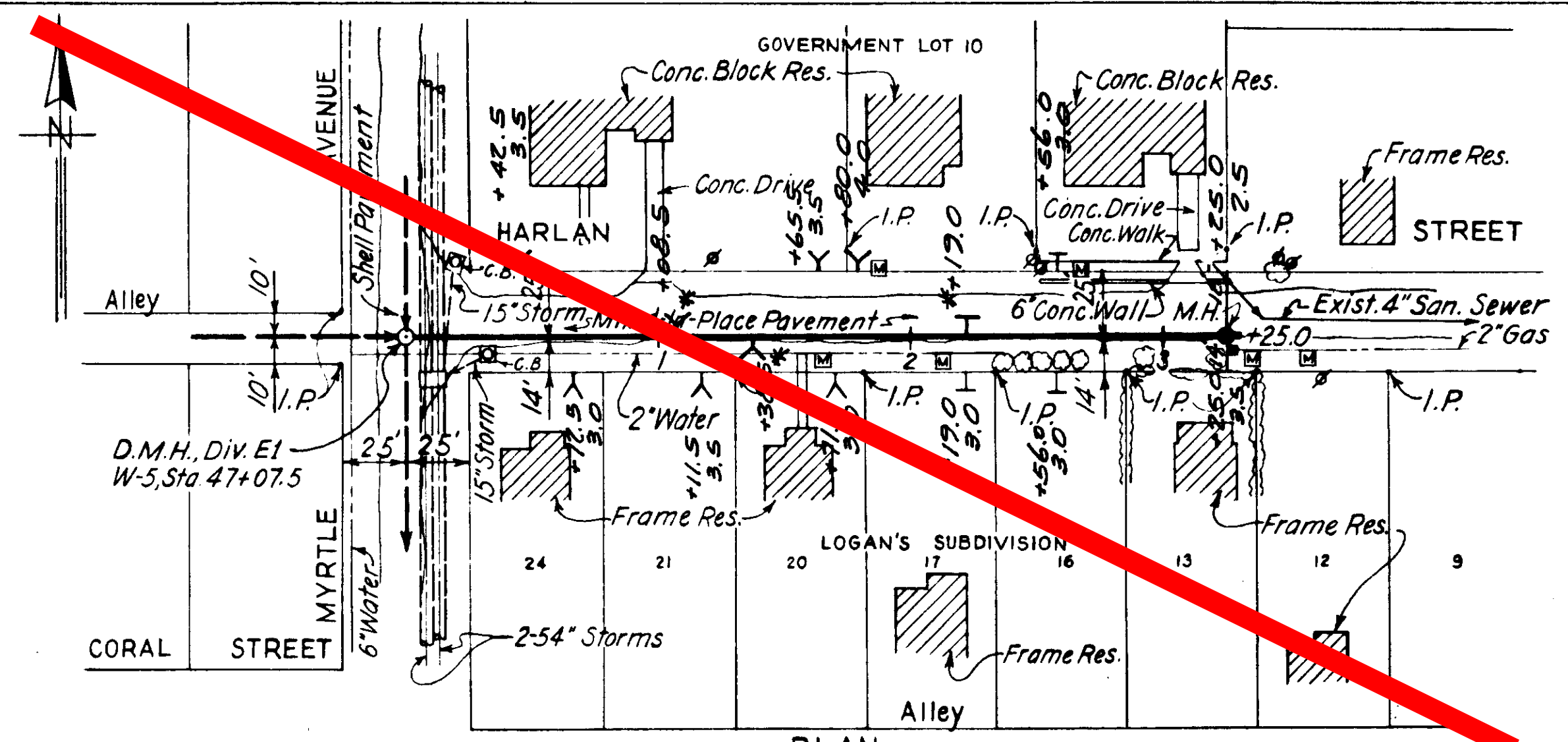
DES: DR
DRN: GP
CKD:

CITY of TAMPA
WASTEWATER DEPARTMENT

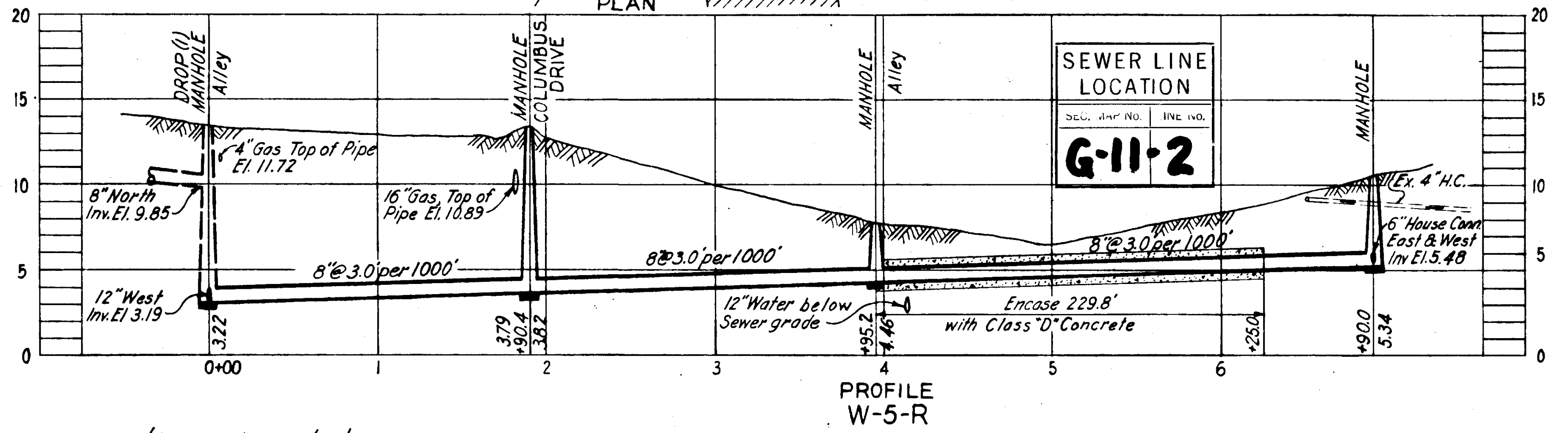
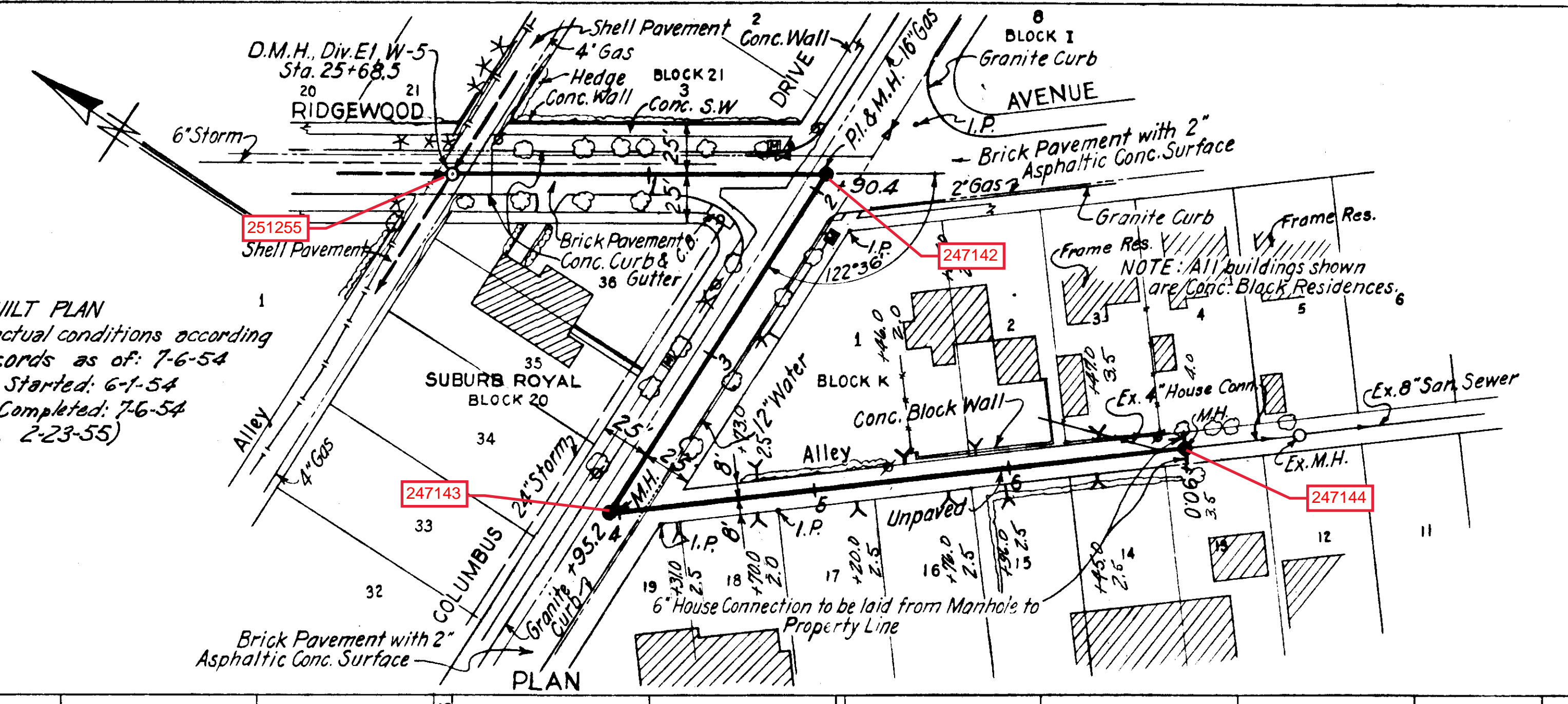
Armenia/Howard/Columbus CIPP Lining

MANHOLE DETAILS

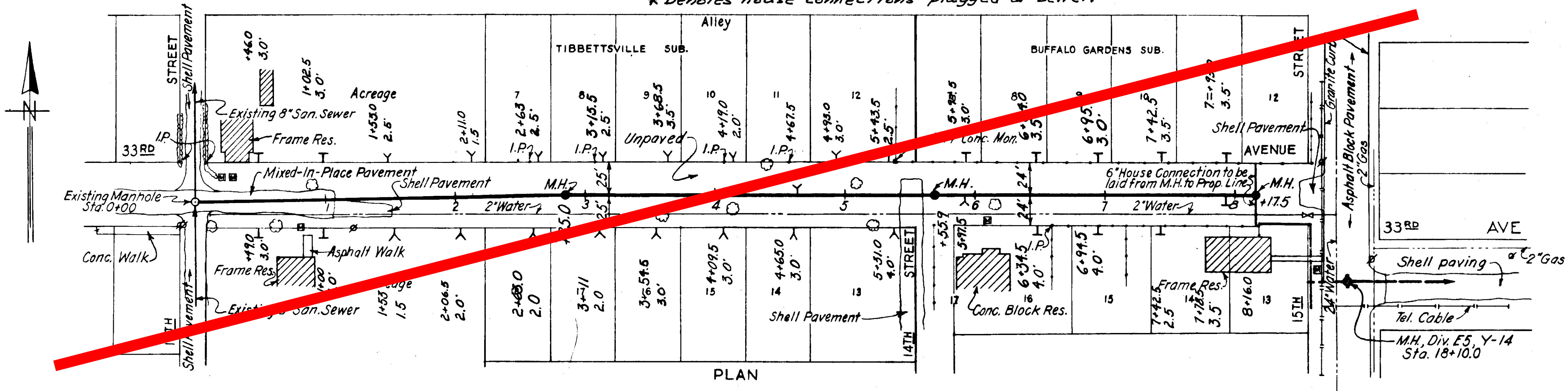
SHEET
19



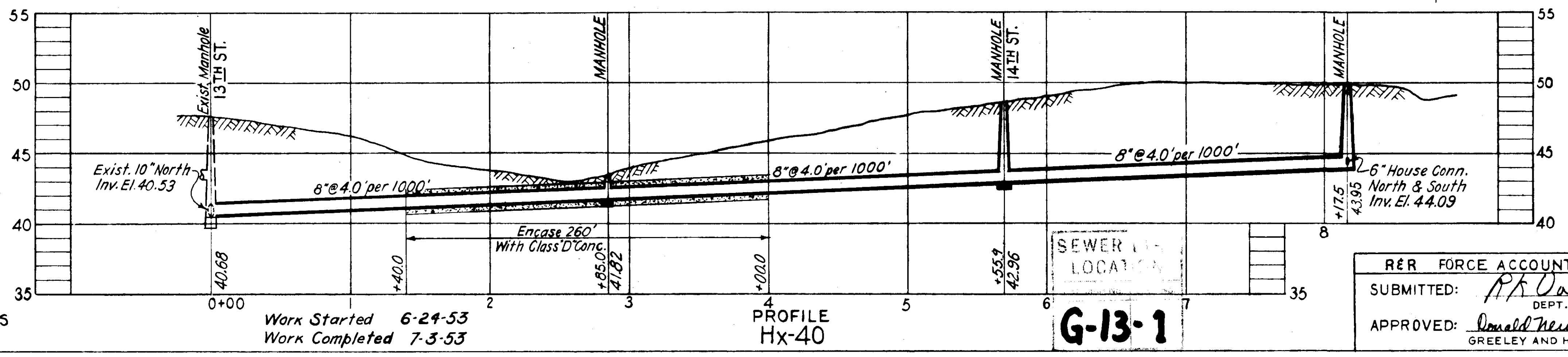
AS-BUILT PLAN
Revised to show actual conditions according to construction records as of: 7-6-54
Work Started: 6-1-54
Work Completed: 7-6-54
(A.D.C. 2-23-55)



* Denotes house connections plugged at sewer.



- NOTE:
- All Property Lines shown are from Plat and Tax Book Records.
 - All House Connections to be laid at 8' per Ft. from new sewer to Property Line.
 - House Connections on Sewer Hx-40, between Sta. 1+40.0 and Sta. 4+00.0 to be encased with Class "D" concrete from new sewer to Property Line.
 - House Connections on Sewer W-5-R, between Sta. 3+95.2 and Sta. 6+25.0 to be encased with Class "D" concrete from new sewer to Property Line.



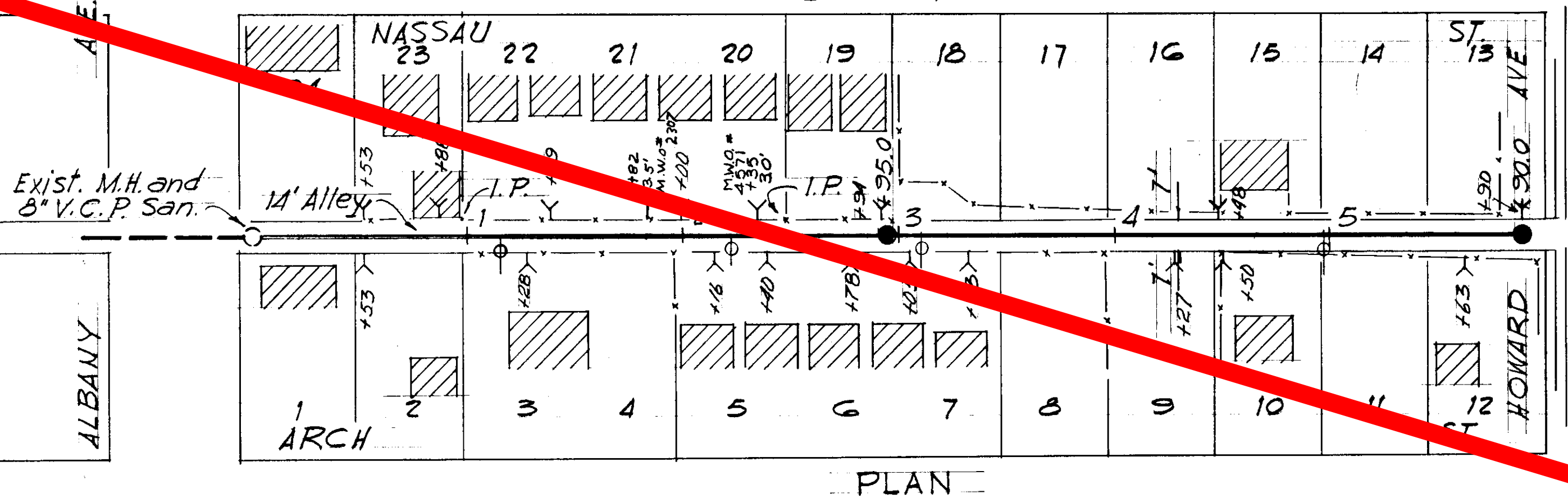
Work Started 6-24-53
Work Completed 7-3-53

DEPT. OF PUBLIC WORKS
BUREAU OF SANITARY SEWERS

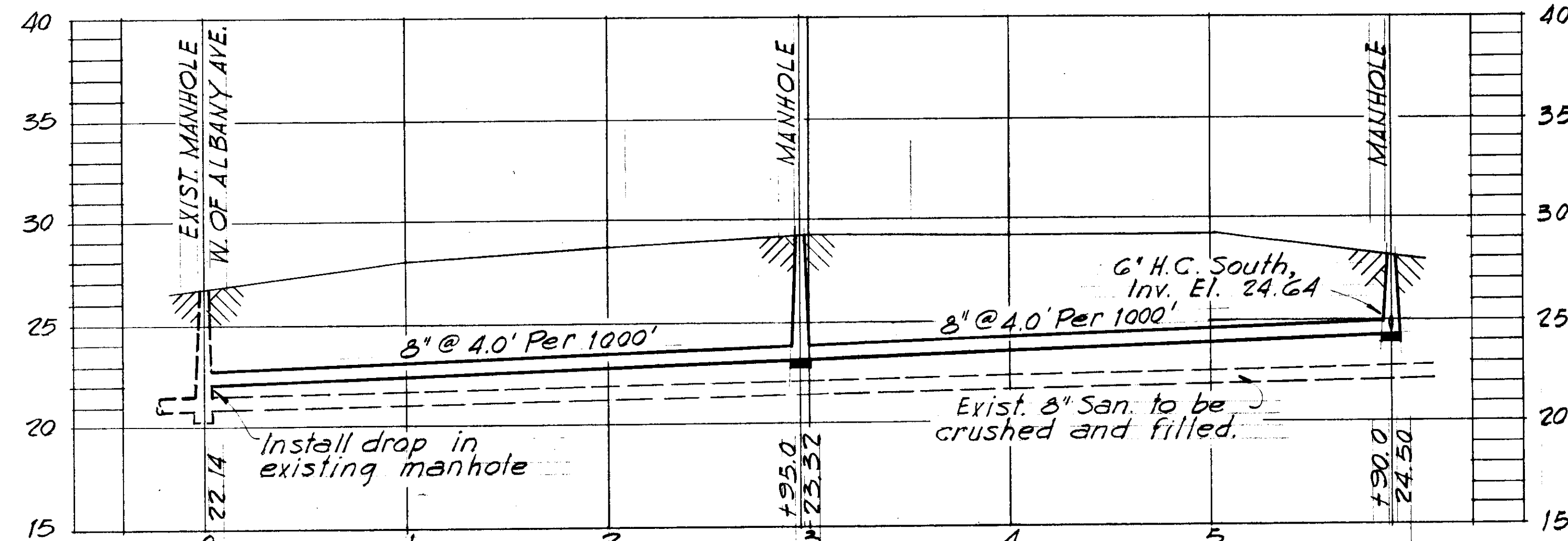
RER FORCE ACCOUNT NO 1
SUBMITTED: *R.K. Dan Burt*
DEPT. OF PUBLIC WORKS
APPROVED: *Donald Newton 9-9-52*
GREELEY AND HANSEN, ENGINEERS

CITY OF TAMPA, FLORIDA
RENEWAL AND REPLACEMENT FUND
SEWER EXTENSIONS IN CENTRAL AREA
Hx-40, W-5-R & W-5-S
Hx-40 & W-5-S, BUILT F.A. 23
SCALE 1" = 50'
SHEET 1 OF 32

G. N. BENJAMIN'S ADD'N TO WEST TAMPA
BLOCK 5

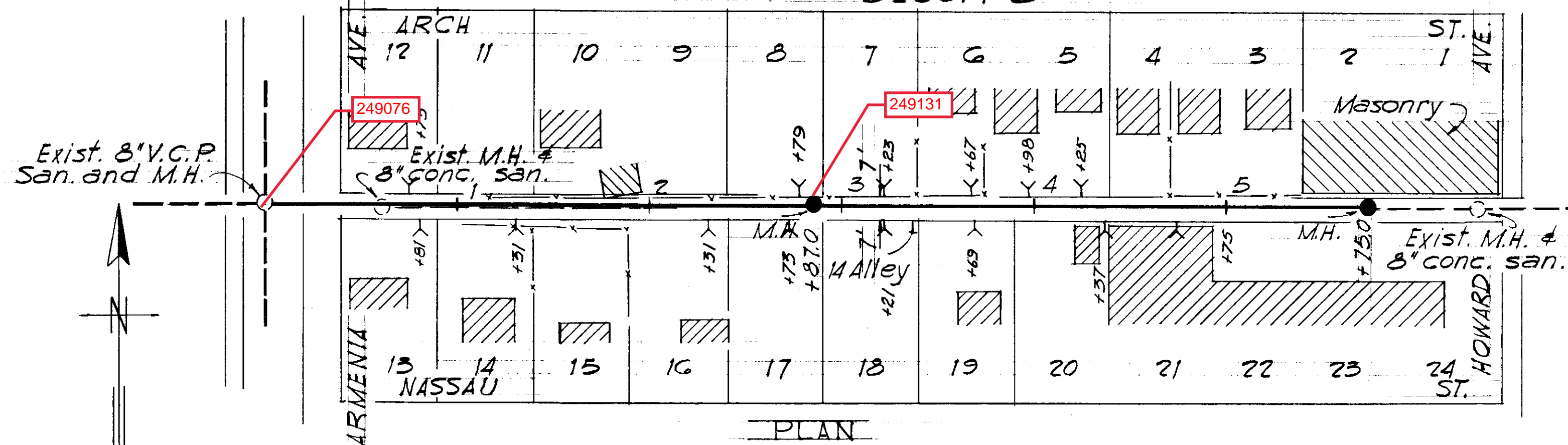


PLAN

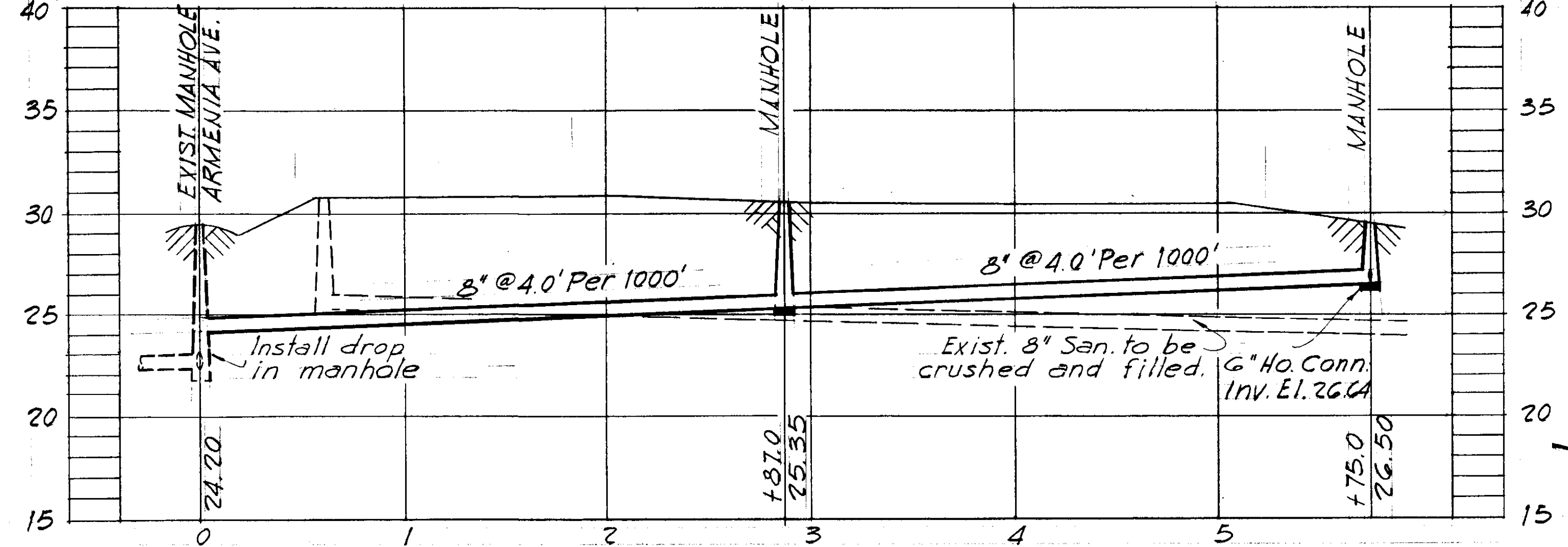


PROFILE
RWT-4
WO-1116

G. N. BENJAMIN'S ADD'N TO WEST TAMPA
BLOCK 6

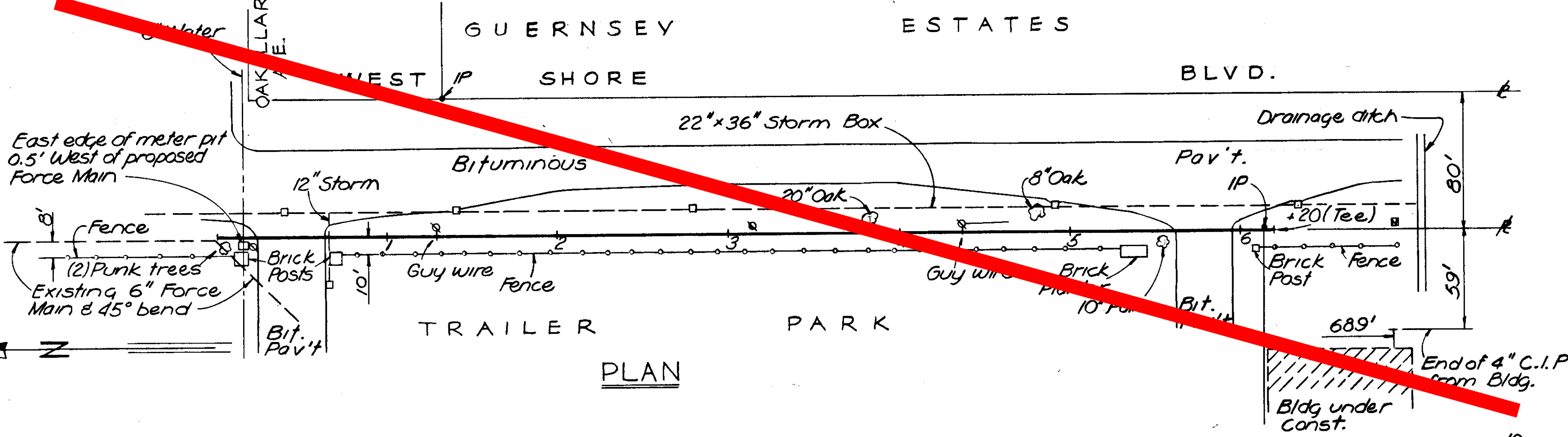


PLAN

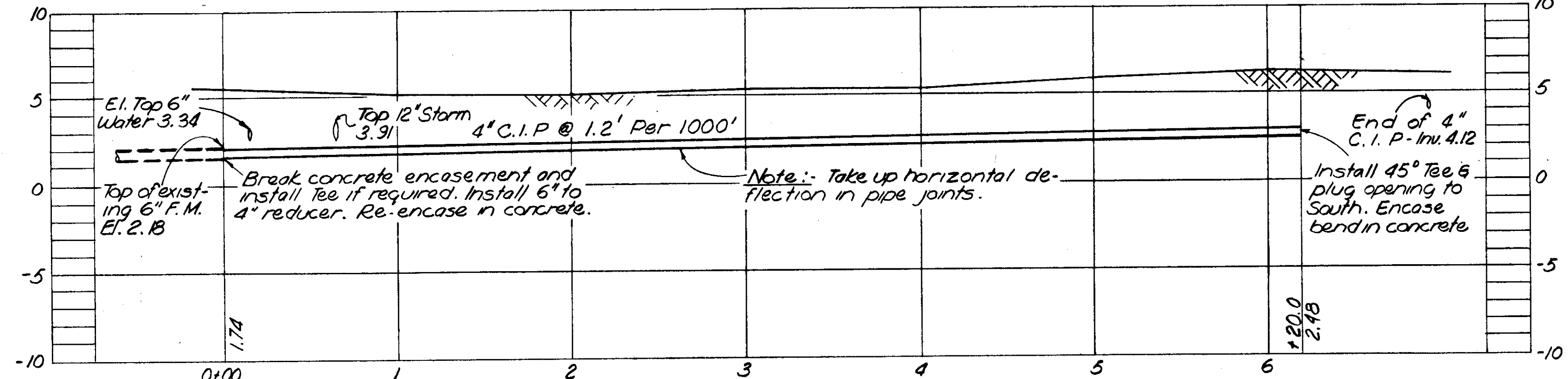


PROFILE
RWT-5
WO-1116

GUERNSEY TRAILER PARK



PLAN

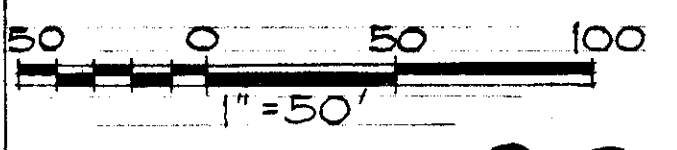


PROFILE
EXTENSION OF GUERNSEY TRAILER
PARK FORCE MAIN
WO-1174

CITY OF TAMPA FLORIDA
RENEWAL AND REPLACEMENT FUND
SEWER IMPROVEMENTS
RWT-4, RWT-5
GUERNSEY TRAILER PARK
FORCE MAIN

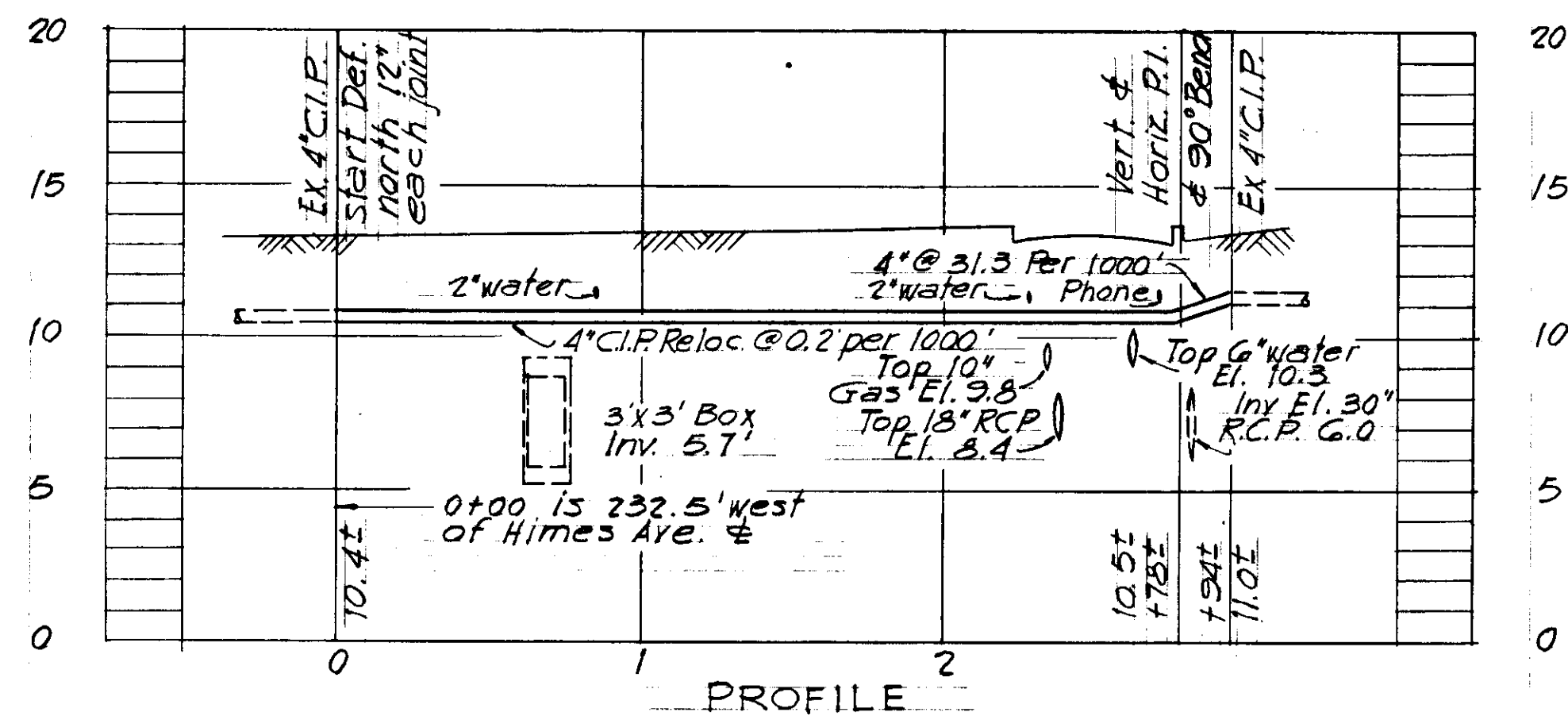
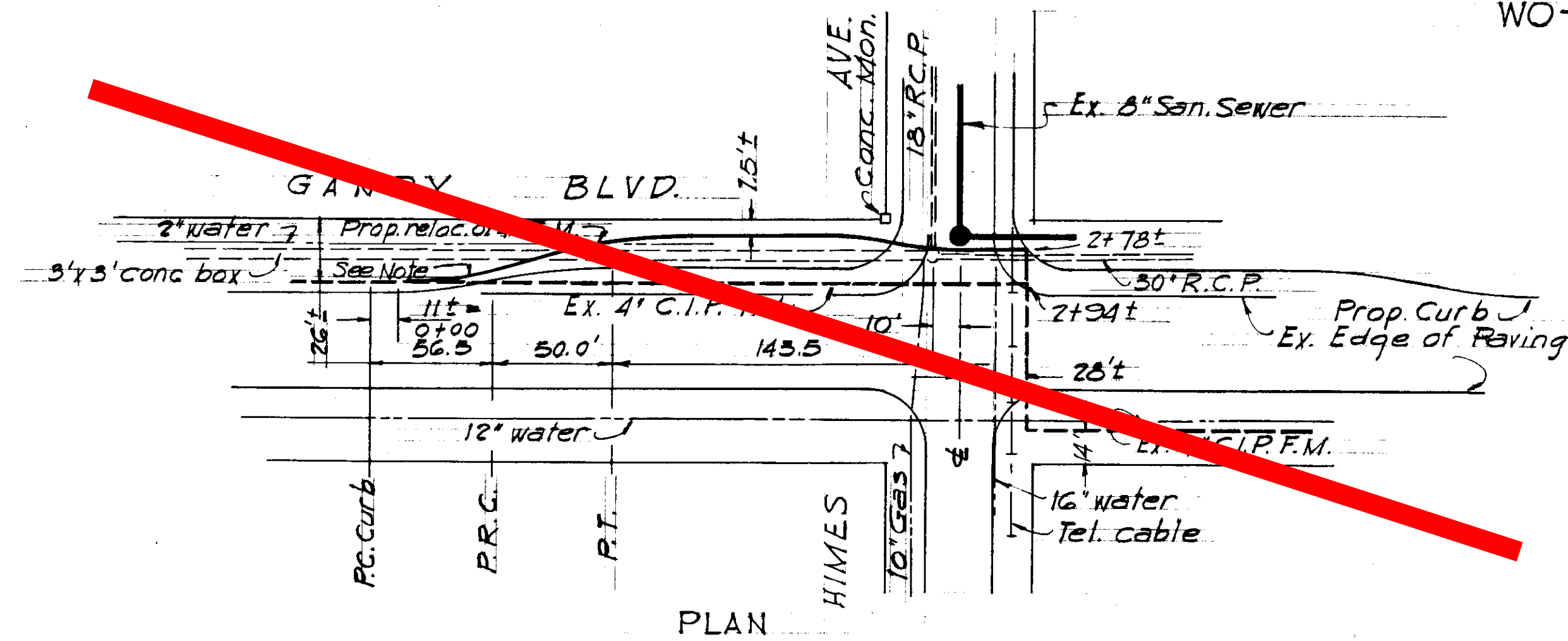
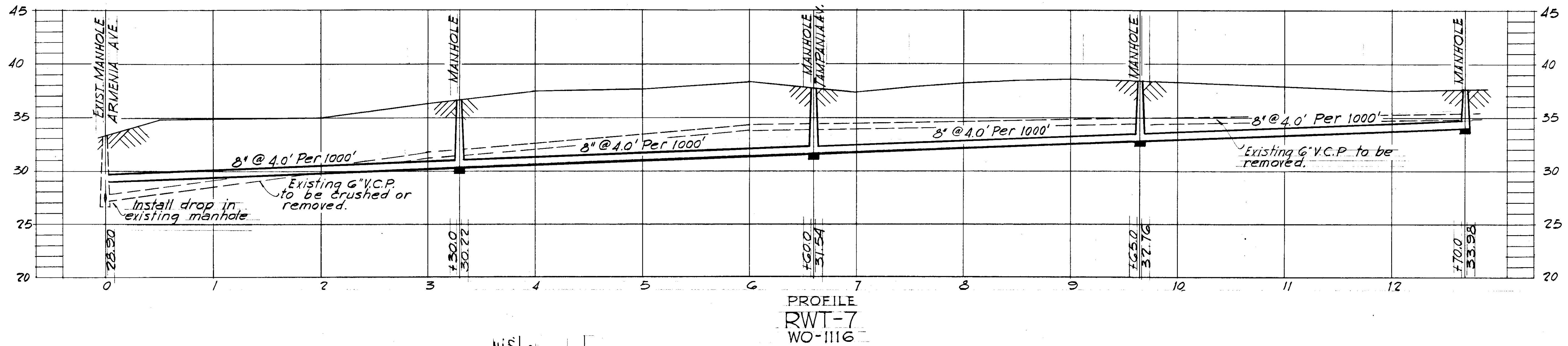
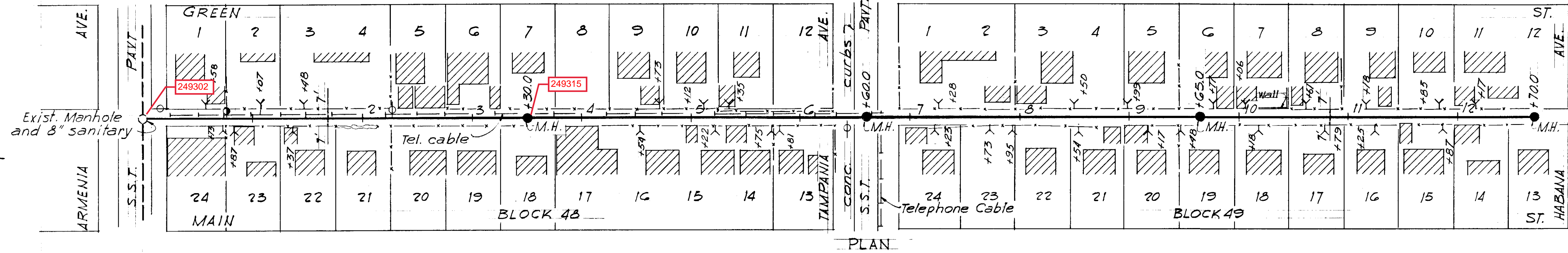
R&R FORCE ACCOUNT NO.23
SUBMITTED: *[Signature]*
BUREAU OF SANITARY SEWERS
APPROVED: *[Signature]*
Greeley and Hansen Engineers

DES:EA, RVJ
DR: ECA
CKD:REF
DATE
JULY 1960



SHEET
2
OF 8

MAC FARLANE'S ADDITION TO WEST TAMPA



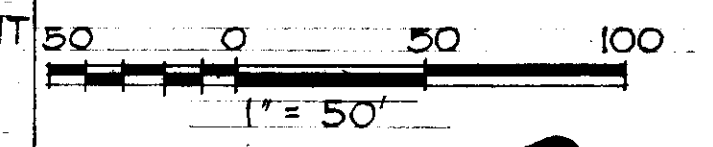
NOTE:
Deflect each 16' length of pipe 12" to fit route shown.

RELOCATION OF FORCE MAIN, GANDY BLVD. AT HIMES AVE.
WO. 1195
Des. 8-11-60 CMT

CITY OF TAMPA FLORIDA
RENEWAL AND REPLACEMENT FUND
SEWER IMPROVEMENTS
RWT-7, RELOC. OF FORCE MAIN, GANDY AT HIMES

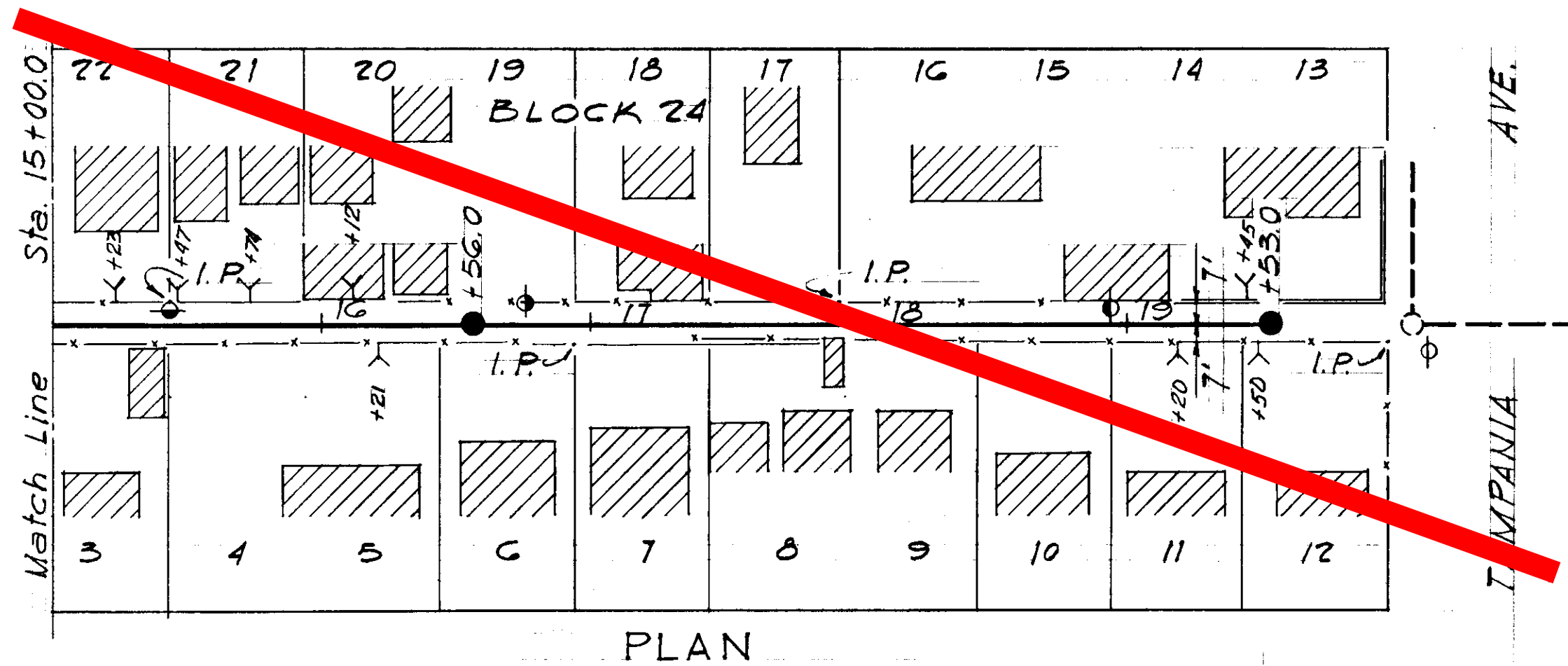
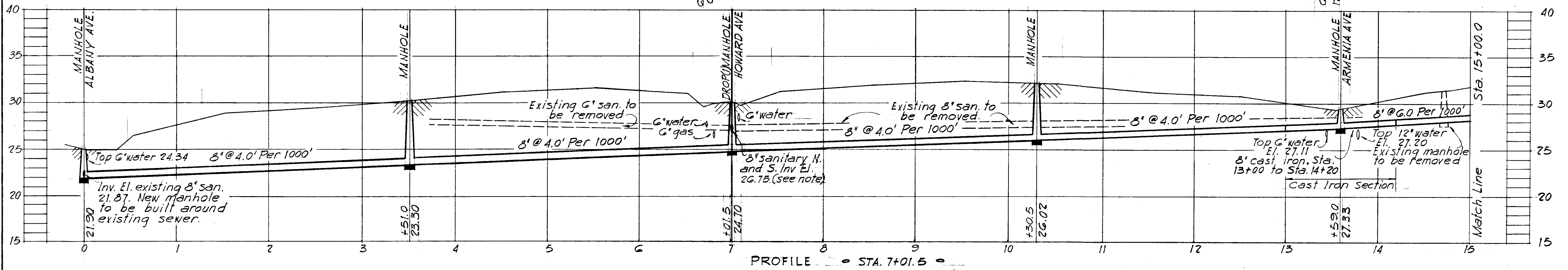
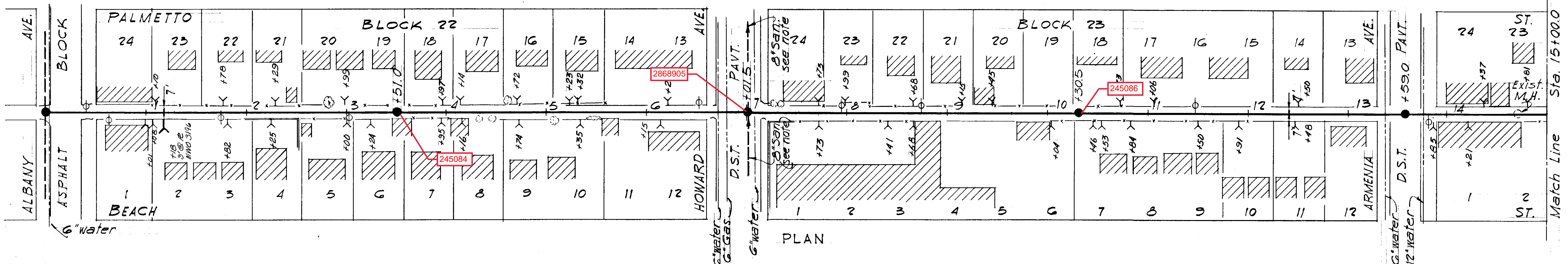
RFR FORCE ACCOUNT NO. 23
SUBMITTED: *B.M. Dawson*
BUREAU OF SANITARY SEWERS
APPROVED: *Richard E. Foster*
Greeley and Hansen Engineers

DES: ECA
DR: ECACMT
CKD: REF
DATE: AUG., 1960
SHEET 4 OF 8

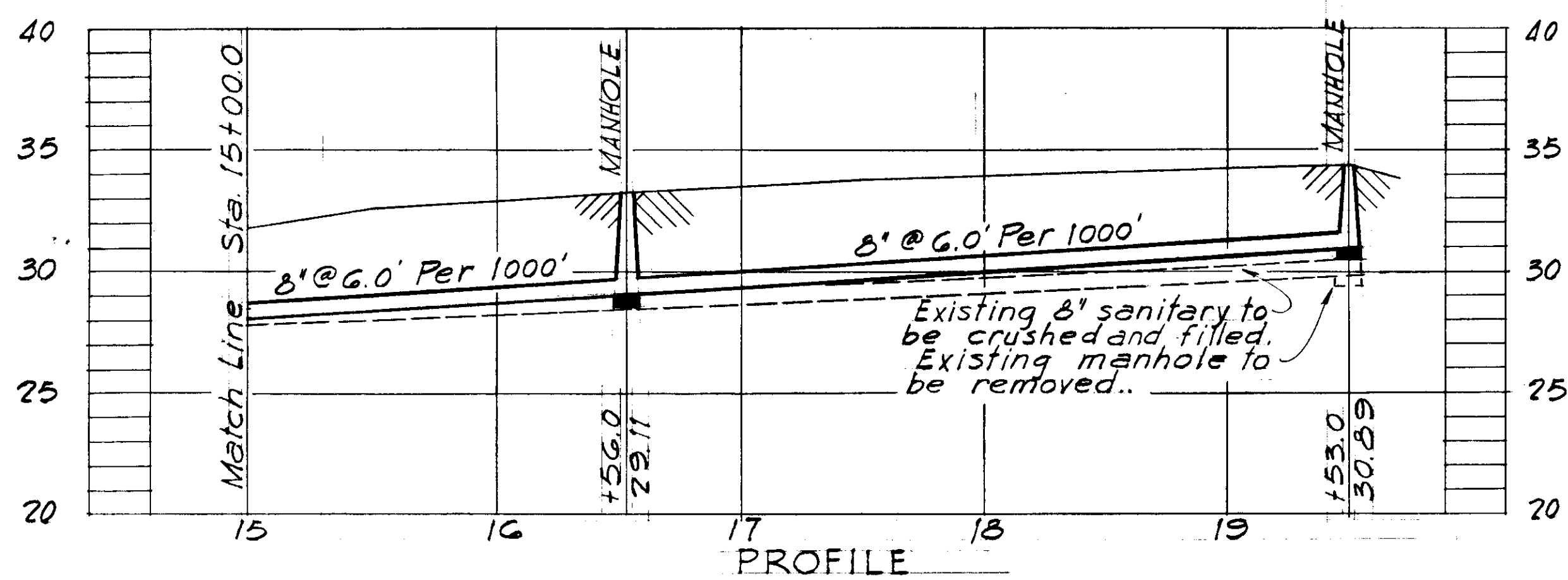


2-28

MAC FARLANE'S REVISED ADDITION TO WEST TAMPA



NOTE: Existing 8" sanitary from the North will be picked up in the new drop manhole and will then flow east, that portion to the south will remain in operation and continue to flow south. The new manhole will serve as a cleanout and access to that line flowing south.



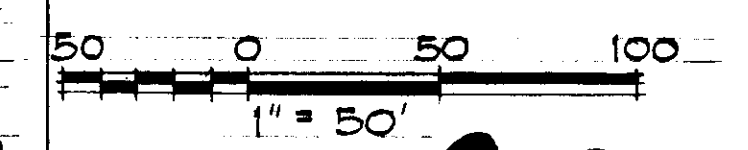
= WO-1116 =

CITY OF TAMPA FLORIDA
RENEWAL AND REPLACEMENT FUND
SEWER IMPROVEMENTS

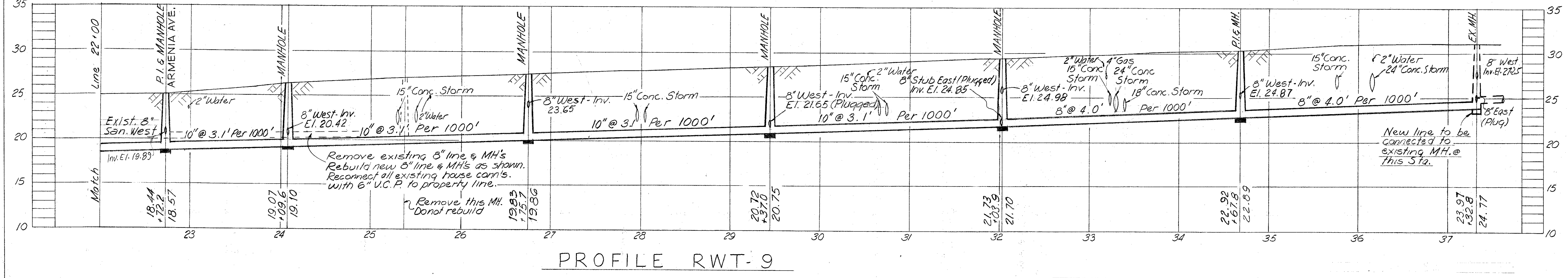
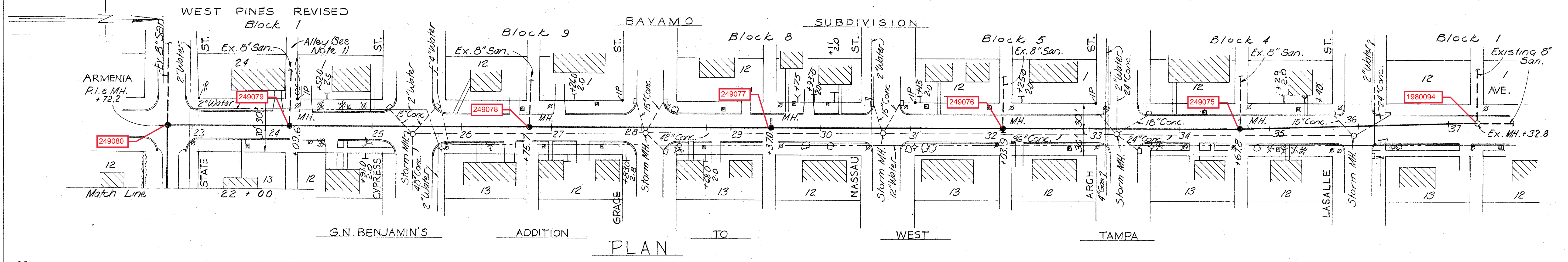
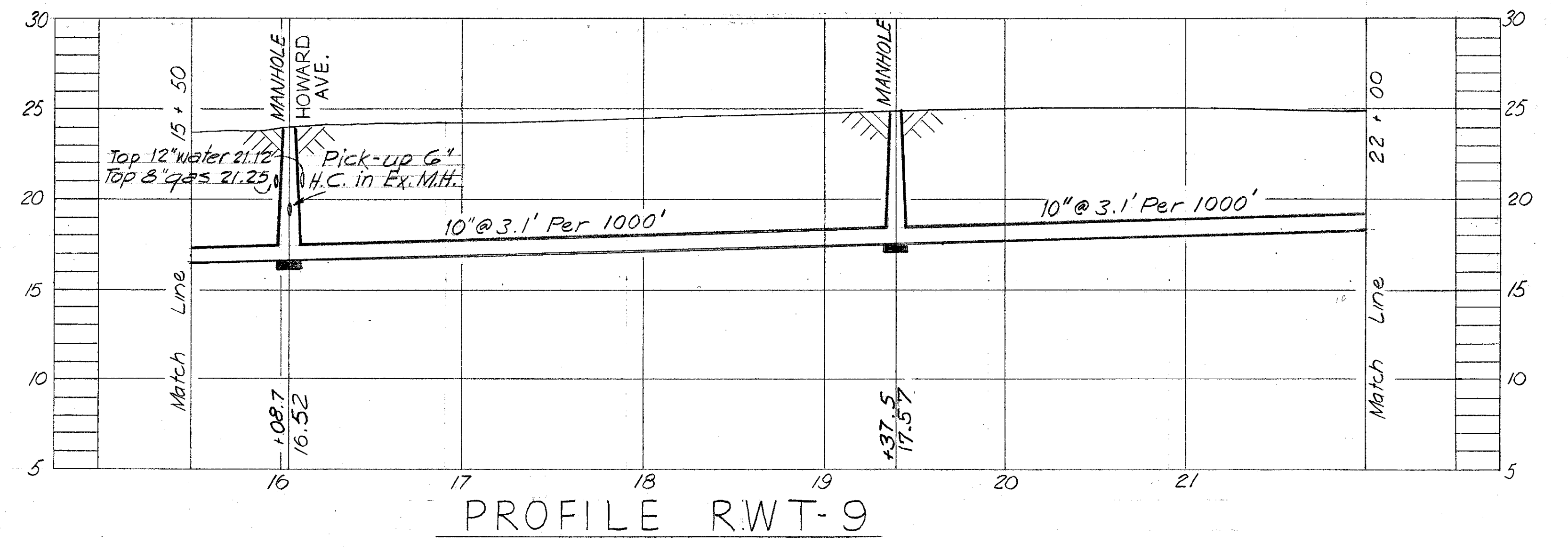
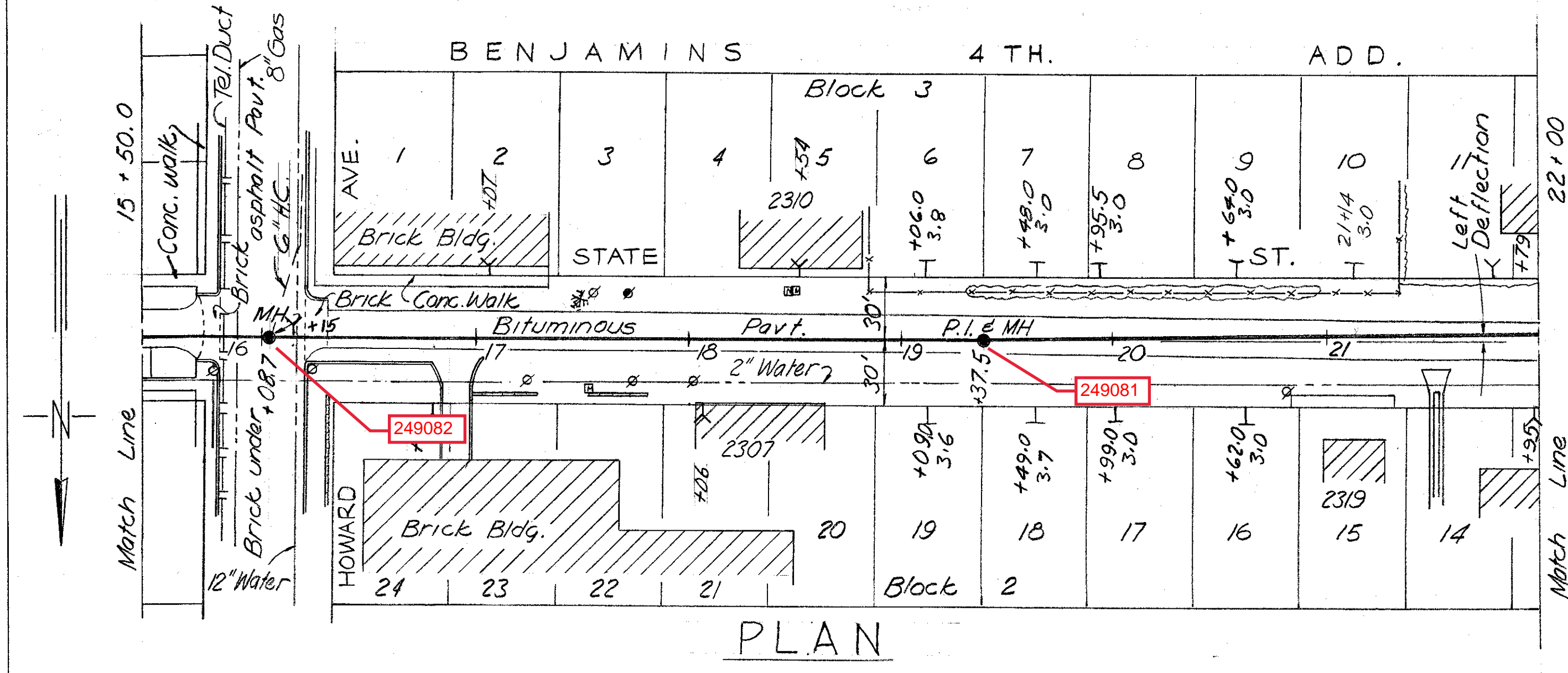
RWT-8

R&R FORCE ACCOUNT NO. 23
SUBMITTED: 1/3/71
BUREAU OF SANITARY SEWERS
APPROVED: Richard E. Foster
GREELEY AND HANSEN ENGINEERS

DES: ECA
DK: ECA
CKD: REF
DATE
AUG, 1960



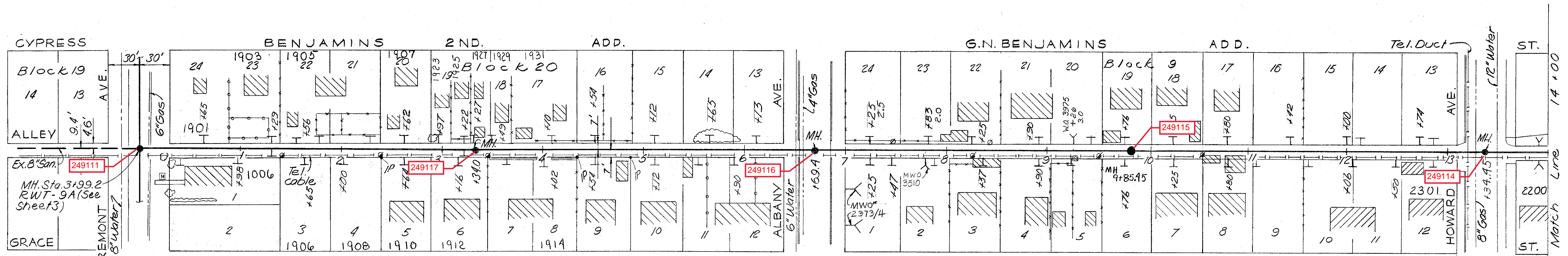
SHEET
5
OF 8



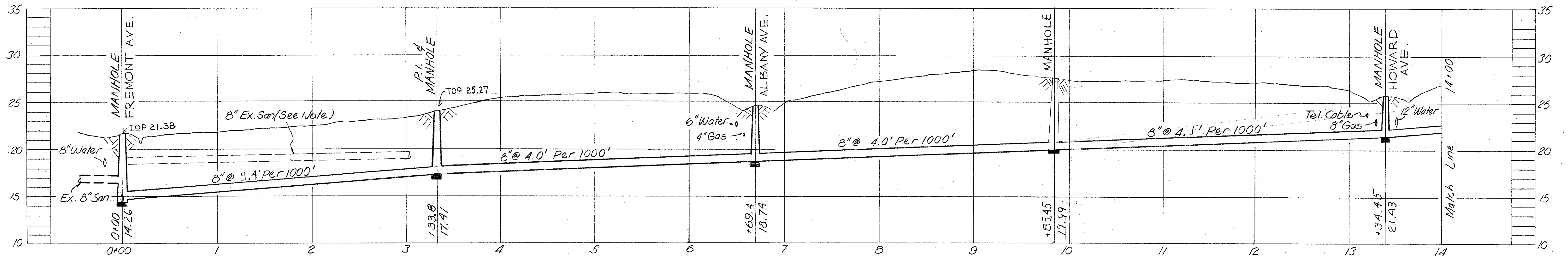
NOTE:-
1- All alleys are 14' wide

AS-BUILT PLAN
Revised to show actual conditions
according to construction records
as of Sept. 1961.
(J.M.R. 9-29-61)

WORK ORDER NO. 1184 R. & R. FORCE ACCOUNT NO. 26		CITY OF TAMPA, FLORIDA RENEWAL AND REPLACEMENT FUND SEWER IMPROVEMENTS	
FOR BUREAU OF SANITARY SEWERS DEPT. OF PUBLIC WORKS		RWT-9 STA. 14+00 TO STA. 37+33.3	
REC'D Arthur S. Cooper Jr. Executive Engineer	Date 11-7-60	DES. A.S.C. DR. R.V.J. CKD. A.S.C. DATE: SEPT. 1960	
APPROVED [Signature] Superintendent	Date 11-7-60	50 0 50 100 1" = 50' SHEET 2 OF 9	
APPROVED [Signature] Supt. Dept. of Public Works	Date 11-15-60	FOR J. E. GREINER COMPANY APPROVED [Signature] FOR THE MAN AND SINGLETON APPROVED [Signature] Date 11-10-60	



PLAN



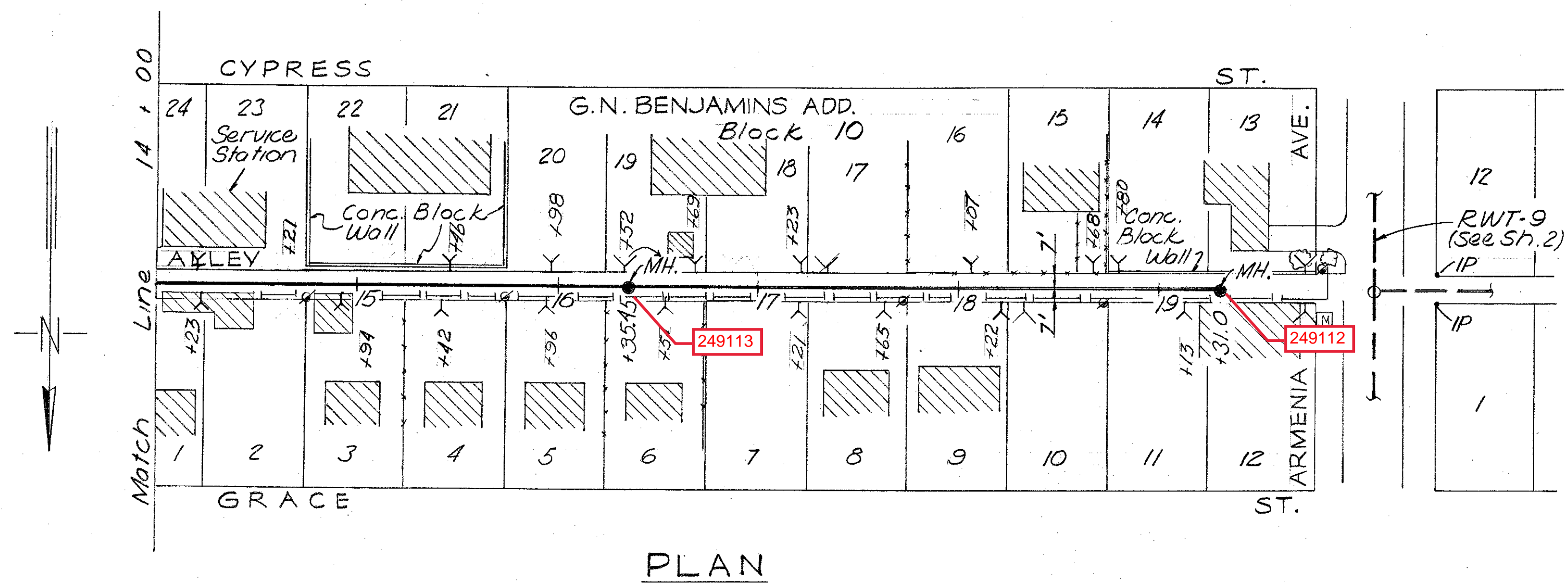
PROFILE - RWT-9A-1

Note:-
 Remove 8" Sanitary Sewer pipe & Manholes from Alley.
 Replace with new line as shown. Reconnect existing house connections using 6" V.C.P. to property line.
 Install new house connections as required.

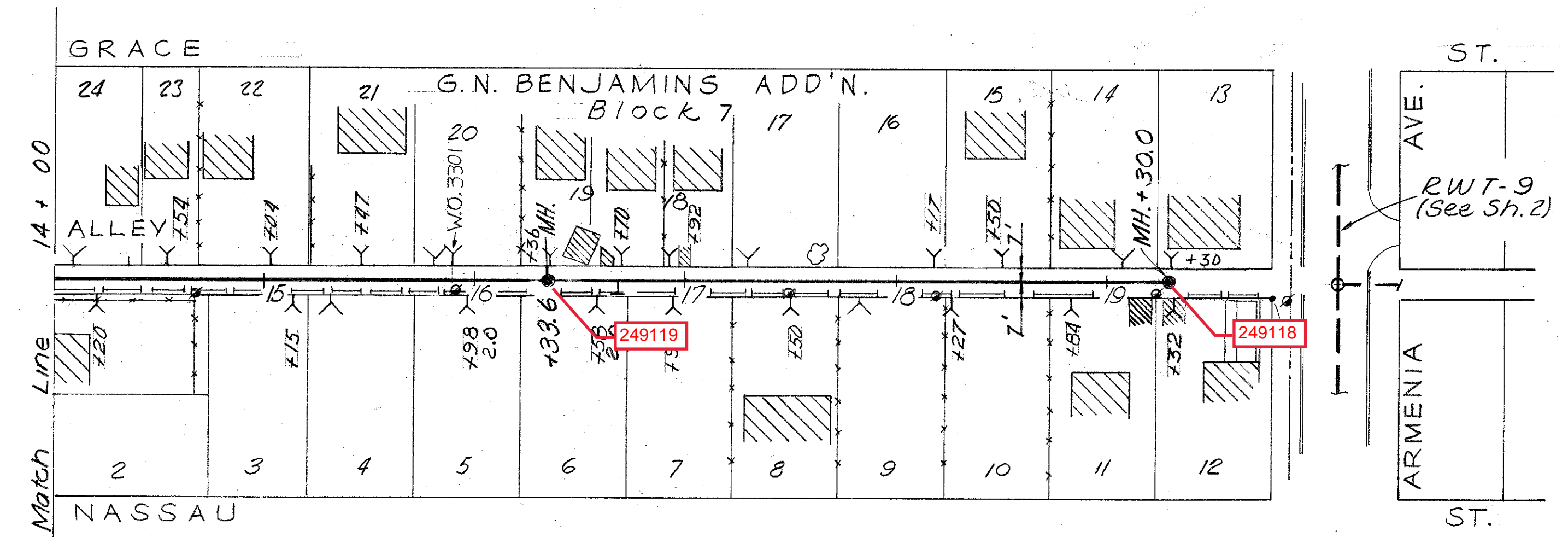
AS-BUILT PLAN
 REVISED TO SHOW ACTUAL
 CONDITIONS ACCORDING TO
 CONSTRUCTION RECORDS AS
 OF SEPT 1961
 (HMK 4-14-71)

WORK ORDER NO. 1184
 R. & R. FORCE ACCOUNT NO. 26
 FOR BUREAU OF SANITARY SEWERS
 DEPT. OF PUBLIC WORKS
 REC'D BY William S. Cooper, Jr. Date 11-7-60
 Executive Engineer
 APPROVED [Signature] Date 11-7-60
 Superintendent
 APPROVED [Signature] Date 11-15-60
 Supt. Dept. of Public Works
 FOR J. E. GREINER COMPANY
 APPROVED [Signature] Date 11-10-60
 FOR WIDEMAN AND SINGLETON
 APPROVED [Signature] Date 11-10-60

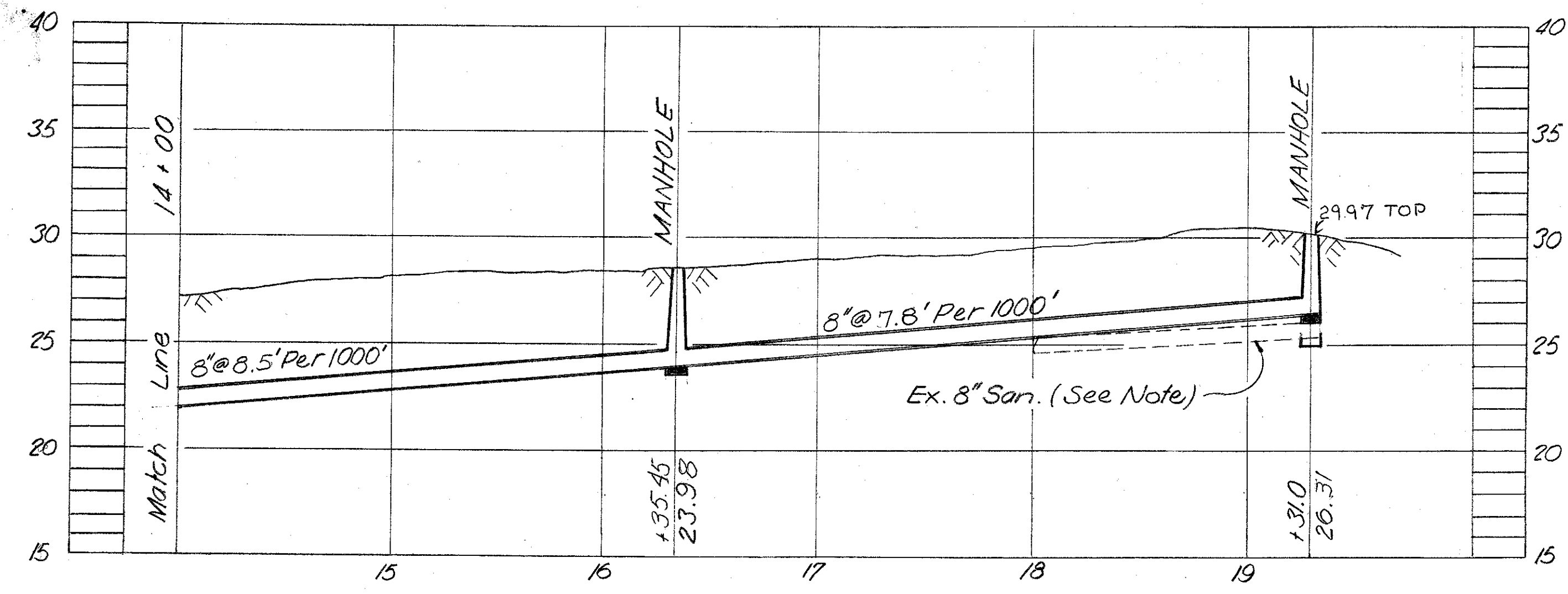
CITY OF TAMPA, FLORIDA
 RENEWAL AND REPLACEMENT FUND
 SEWER IMPROVEMENTS
 RWT-9A-1
 STA. 0+00 TO STA. 14+00
 DES. A.S.C.
 DR. R.V.J.
 CKD. A.S.C.
 DATE
 SEPT., 1960
 50 0 50 100
 1" = 50'
 SHEET
 5
 OF 9



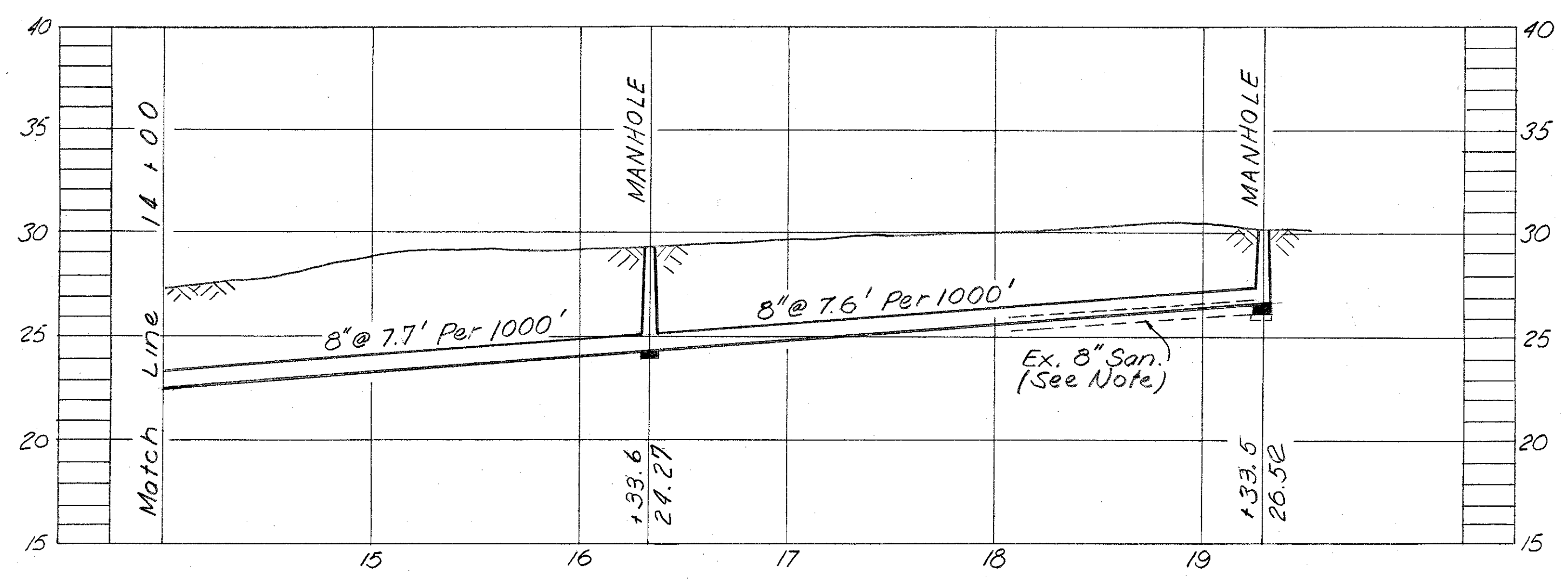
PLAN



PLAN



PROFILE - RWT-9A-1

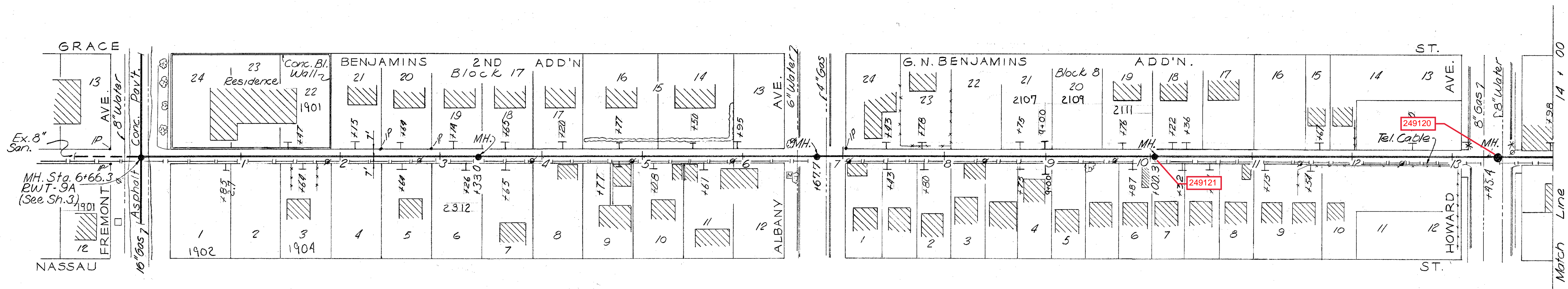


PROFILE - RWT-9A-2

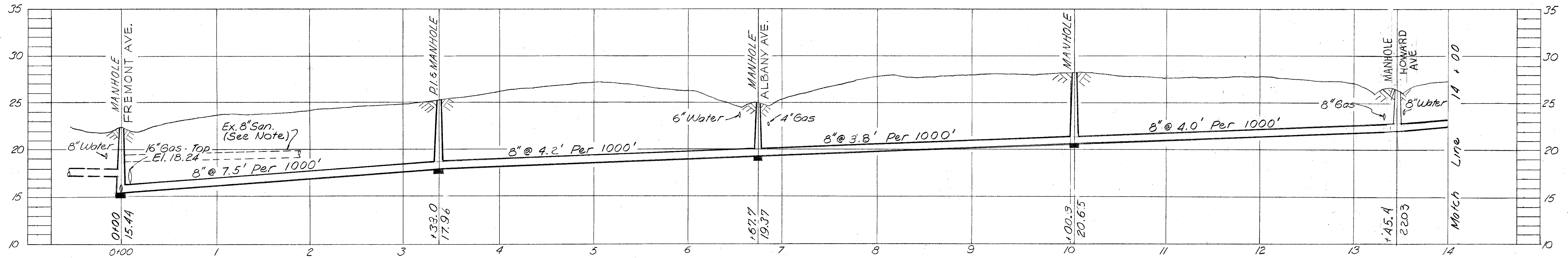
NOTE :-
 Remove 8" sanitary sewer pipe & Manholes from Alley.
 Replace with new line as shown. Reconnect existing
 house connections using 6" V.C.P. to property line.
 Install new house connections as required.

AS-BUILT
 REVISED TO SHOW ACTUAL CONDITIONS
 ACCORDING TO CONSTRUCTION
 RECORDS AS OF 3-19-61
 (HMK 4-15-71)

WORK ORDER NO. 1184 R. & R. FORCE ACCOUNT NO. 26 FOR BUREAU OF SANITARY SEWERS DEPT. OF PUBLIC WORKS REC'D <i>William S. Cooper</i> Date 11-7-60 Executive Engineer APPROVED <i>Edward J. Smith</i> Date 11-7-60 Superintendent APPROVED <i>Raymond J. Camp</i> Date 11-15-60 Supt. Dept. of Public Works FOR J. E. GREINER COMPANY APPROVED <i>George S. Jenkins</i> Date 11-10-60 FOR WIEDEMAN AND SINGLETON APPROVED <i>W. Weideman</i> Date 11-10-60	CITY OF TAMPA, FLORIDA RENEWAL AND REPLACEMENT FUND SEWER IMPROVEMENTS RWT-9A-1, STA. 14+00 TO STA. 19+31.0 RWT-9A-2, STA. 14+00 TO STA. 19+30.0 DES. A.S.C. DR. R.V.J. CKD. A.S.C. DATE SEPT., 1960	SHEET 6 OF 9
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PLAN



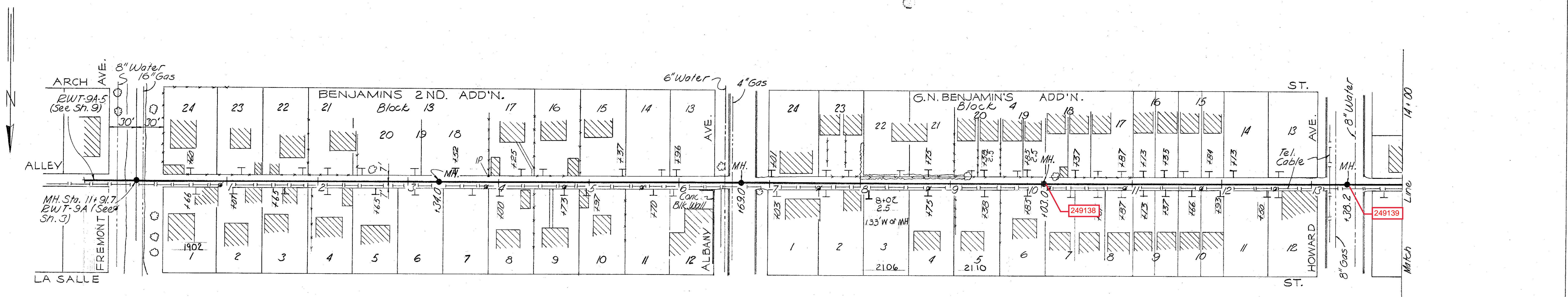
PROFILE—RWT-9A-2

NOTE:-
 Remove old pipe & manholes from Alleys.
 Replace with new line as shown. Reconnect existing house connections with 6" V.C.P. to property line. Install new house connections as required.

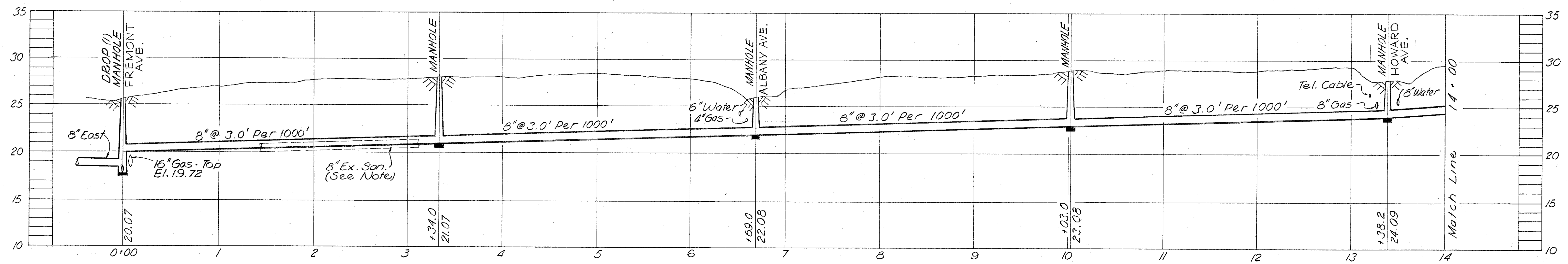
AS-BUILT
 REVISED TO SHOW ACTUAL CONDITIONS
 ACCORDING TO CONSTRUCTION RECORDS
 AS OF 3-19-61
 (HMK 4-14-71)

WORK ORDER NO. <u>1184</u> R. & R. FORCE ACCOUNT NO. <u>26</u>	CITY OF TAMPA, FLORIDA RENEWAL AND REPLACEMENT FUND SEWER IMPROVEMENTS	
FOR BUREAU OF SANITARY SEWERS DEPT. OF PUBLIC WORKS	RWT-9A-2 STA. 0+00 TO STA. 14+00	
REC'D. <u>William S. Cooper Jr.</u> Date <u>11-7-60</u> Executive Engineer		
APPROVED <u>E. J. Smith</u> Date <u>11-7-60</u> Superintendent	DES. A.S.C. DR. R.V.J. CKD. A.S.C. DATE SEPT., 1960	
APPROVED <u>Ray W. Camp</u> Date <u>11-15-60</u> Supt. Dept. of Public Works		
FOR J. E. GREINER COMPANY APPROVED <u>George J. Jenkins</u> Date <u>11-10-60</u> FOR WIEDEMAN AND SINGLETON APPROVED <u>J. Weideman</u> Date <u>11-10-60</u>		
		SHEET 7 OF 9

3-7



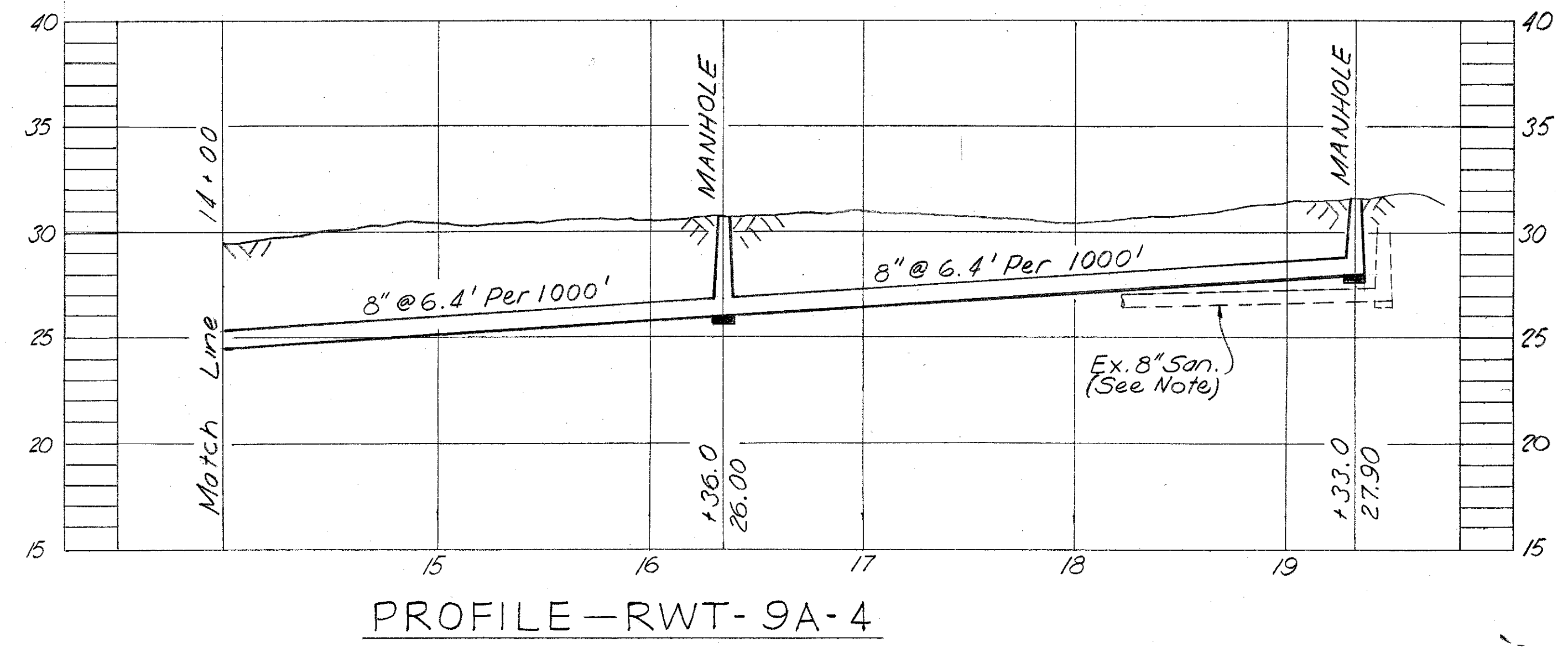
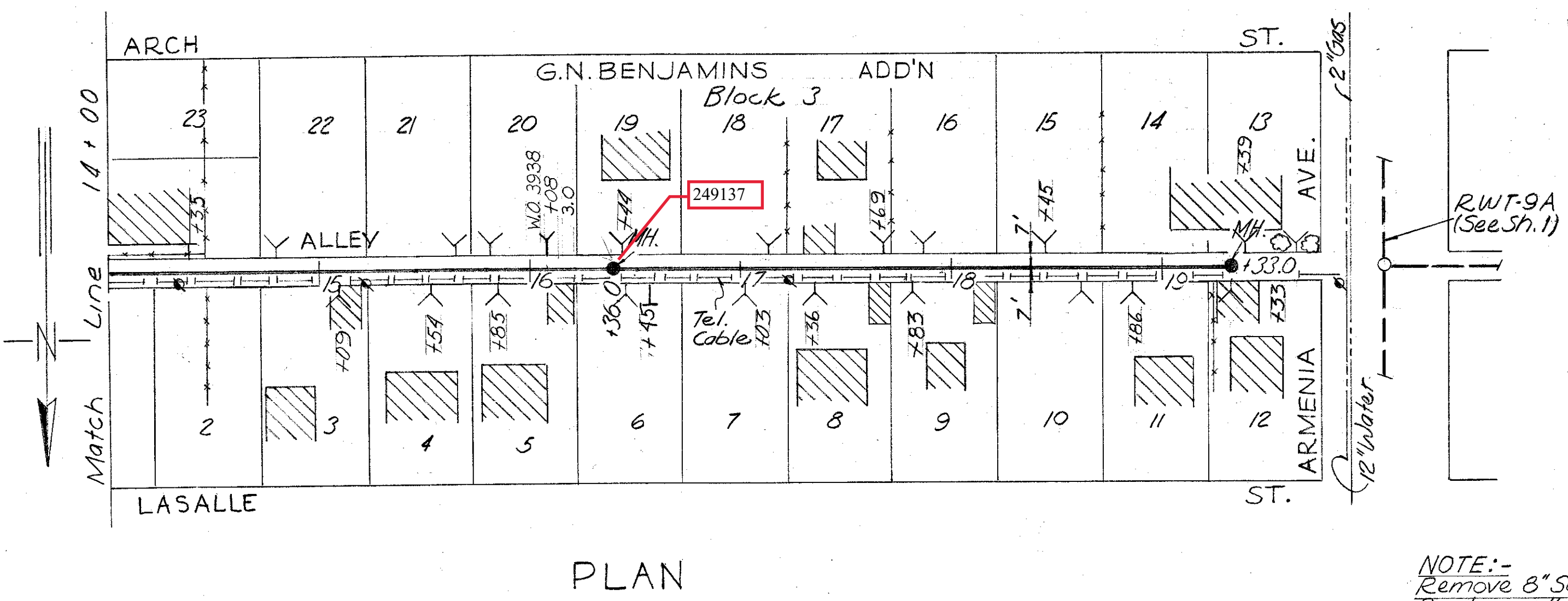
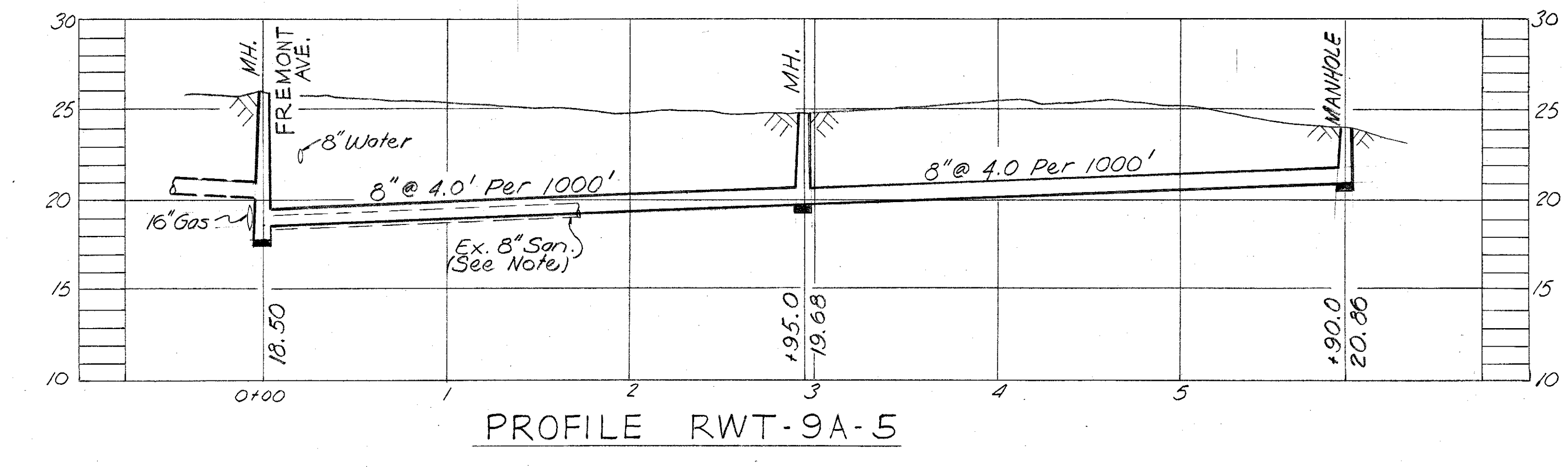
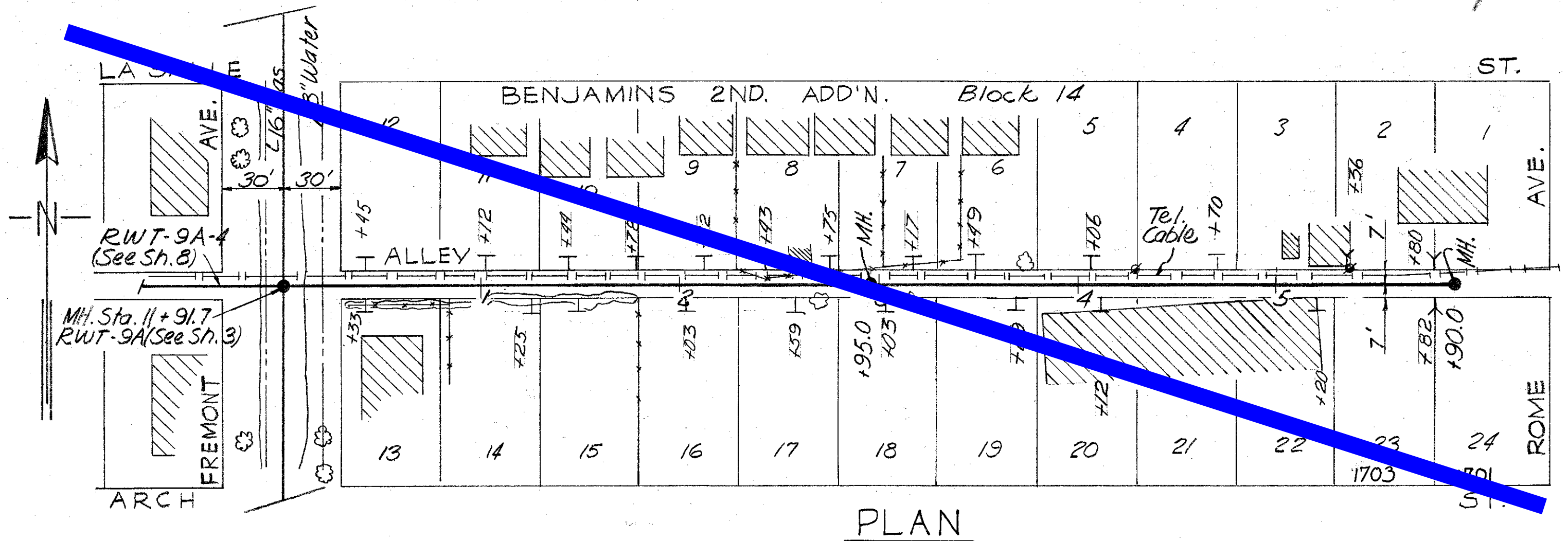
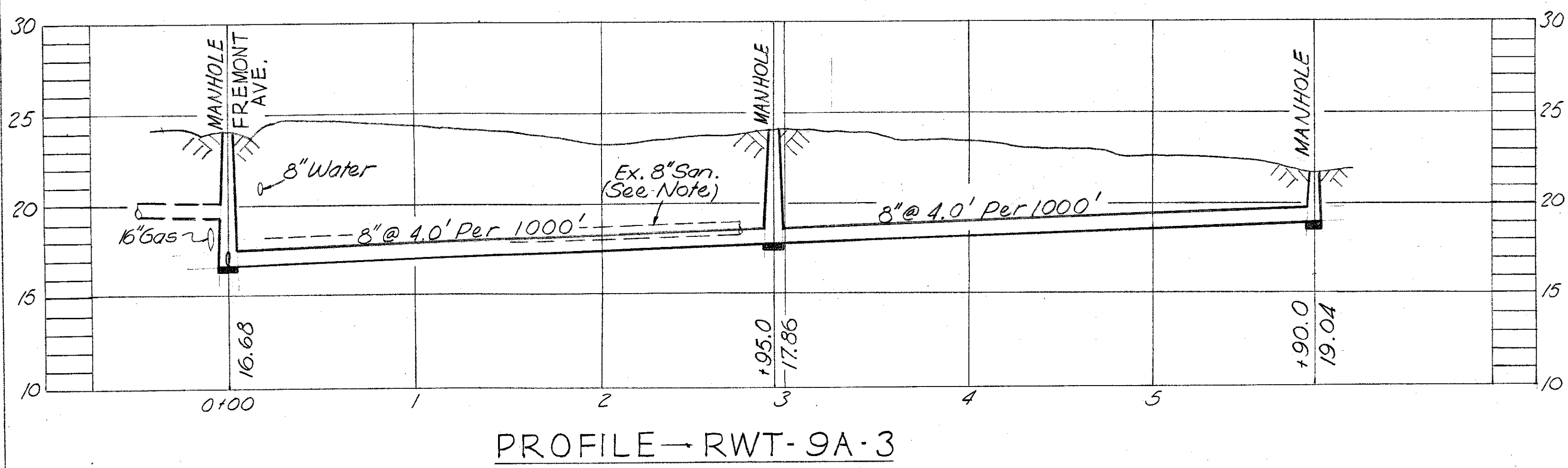
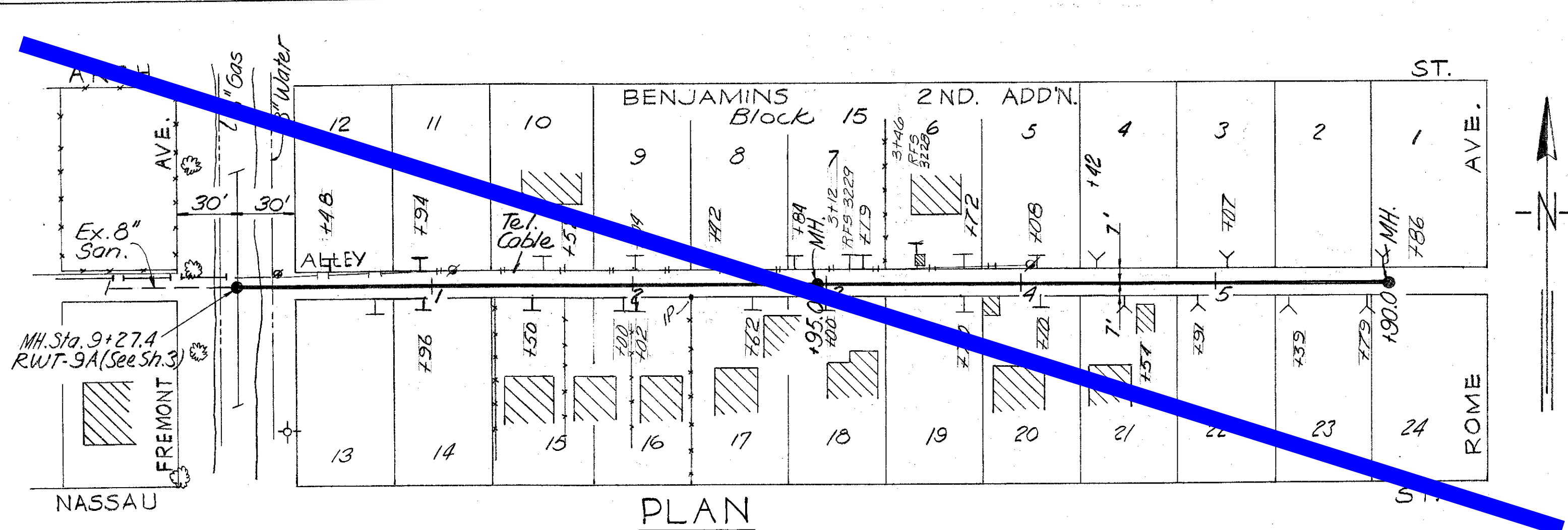
PLAN



PROFILE—RWT-9A-4

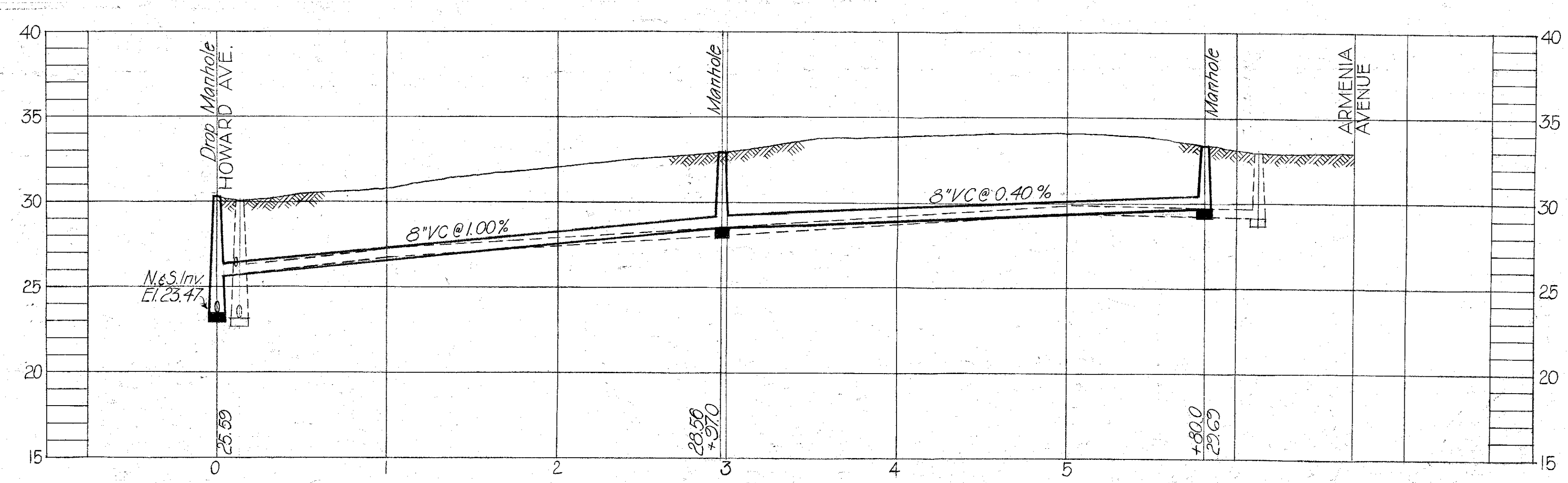
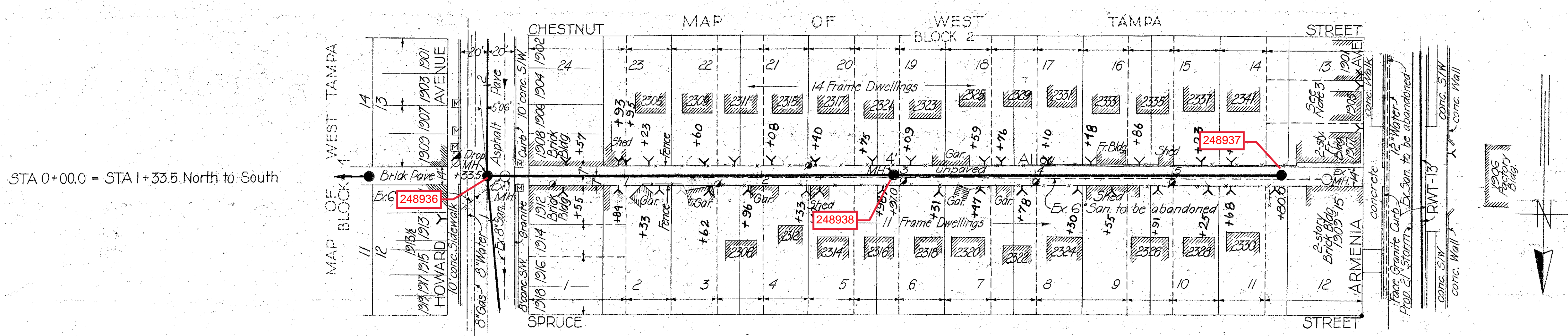
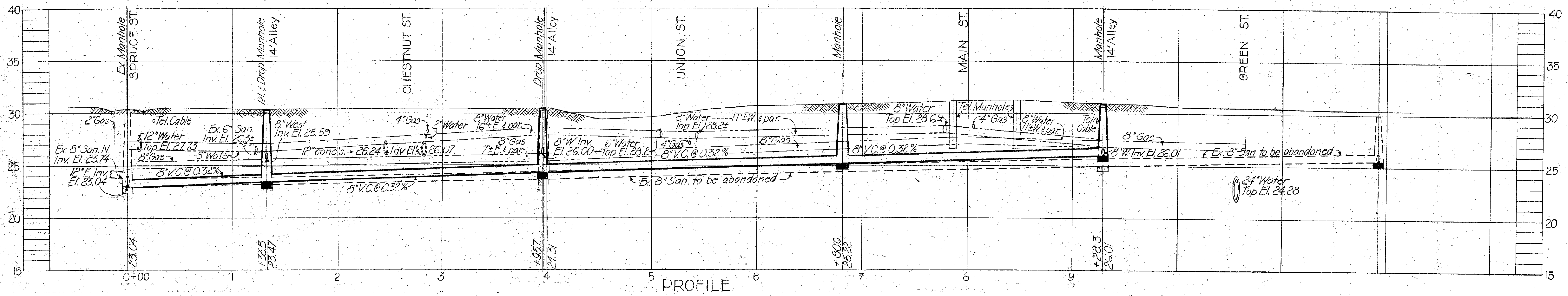
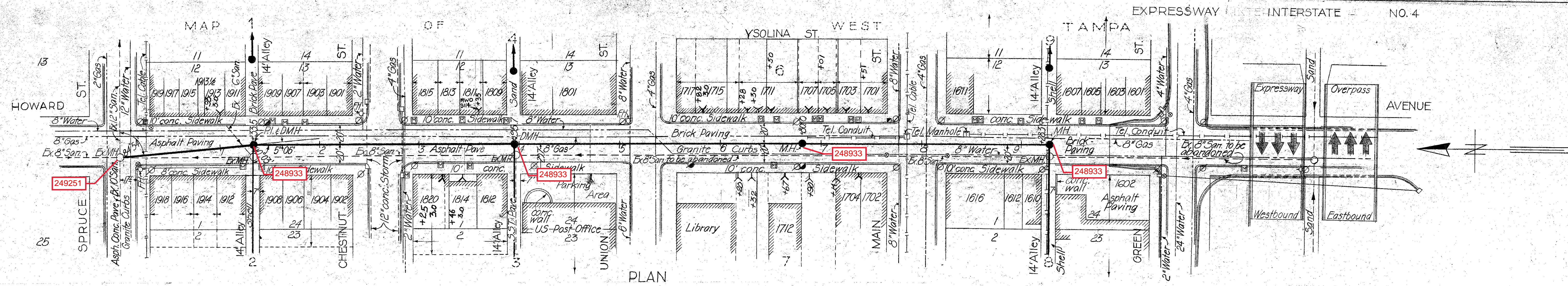
NOTE:-
 Remove 8" Sanitary Sewer Pipe & Manholes from alley. Replace with new line as shown. Reconnect existing house connections using 6" V.C.P. to property line. Install new house connections as required.

WORK ORDER NO. <u>1184</u> R. & R. FORCE ACCOUNT NO. <u>26</u>		CITY OF TAMPA, FLORIDA RENEWAL AND REPLACEMENT FUND SEWER IMPROVEMENTS	
REC'D <u>Arthur S. Cooper Jr.</u> Date <u>11-7-60</u> Executive Engineer		RWT-9A-4 STA. 0+00 TO STA. 14+00	
APPROVED <u>[Signature]</u> Date <u>11-7-60</u> Superintendent			
APPROVED <u>[Signature]</u> Date <u>11-15-60</u> Supt. Dept. of Public Works		DES. A.S.C. DR. R.V.J. CKD. A.S.C. DATE SEPT., 1960	
FOR J. E. GREINER COMPANY. APPROVED <u>[Signature]</u> Date <u>11-10-60</u> FOR WEDEMAN AND SINGLETON APPROVED <u>[Signature]</u> Date <u>11-10-60</u>			
1" = 50' 		SHEET <u>8</u> OF 9	



NOTE:-
 Remove 8" Sewer pipe and Manholes from Alley.
 Replace with new line as shown. Reconnect existing
 house connections using 6" V.C.P. to property line.
 Install new house connections as required.

WORK ORDER NO. <u>1184</u> R. & R. FORCE ACCOUNT NO. <u>26</u>		CITY OF TAMPA, FLORIDA RENEWAL AND REPLACEMENT FUND	
FOR BUREAU OF SANITARY SEWERS DEPT. OF PUBLIC WORKS		SEWER IMPROVEMENTS	
REC'D BY <u>Arthur S. Cooper Jr.</u> Date <u>11-7-60</u> Executive Engineer		RWT-9A-3 & RWT-9A-5 RWT-9A-4	
APPROVED <u>[Signature]</u> Date <u>11-7-60</u> Superintendent		STA. 14+00 TO STA. 19+33.0	
APPROVED <u>[Signature]</u> Date <u>11-15-60</u> Supt. Dept. of Public Works		DES. A.S.C. DR. R.V.J. CKD. A.S.C. DATE SEPT, 1960	
FOR J. E. GREINER COMPANY APPROVED <u>[Signature]</u> Date <u>11-10-60</u> FOR WIEDEMAN AND SINGLETON		50 0 50 100 1" = 50' SHEET <u>9</u> OF 9	



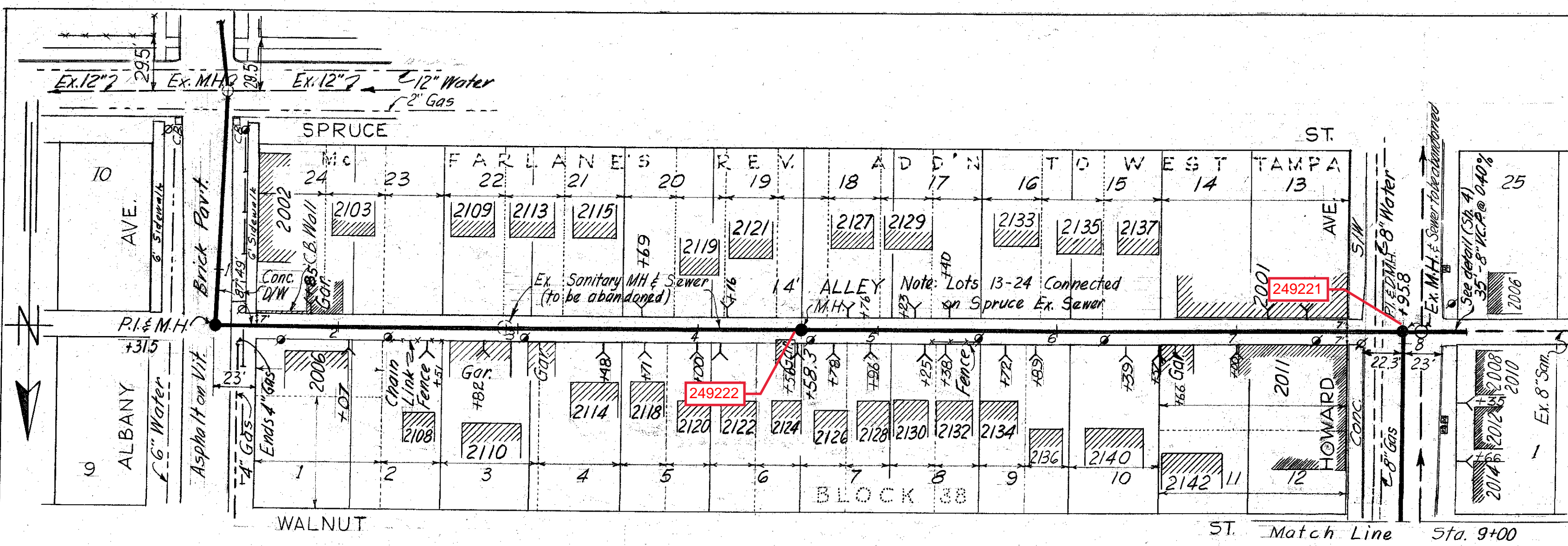
PLAN

PROFILE

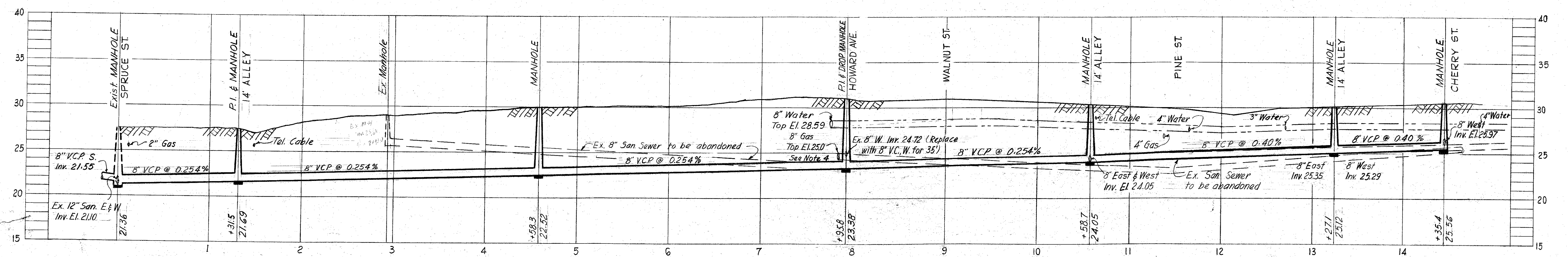
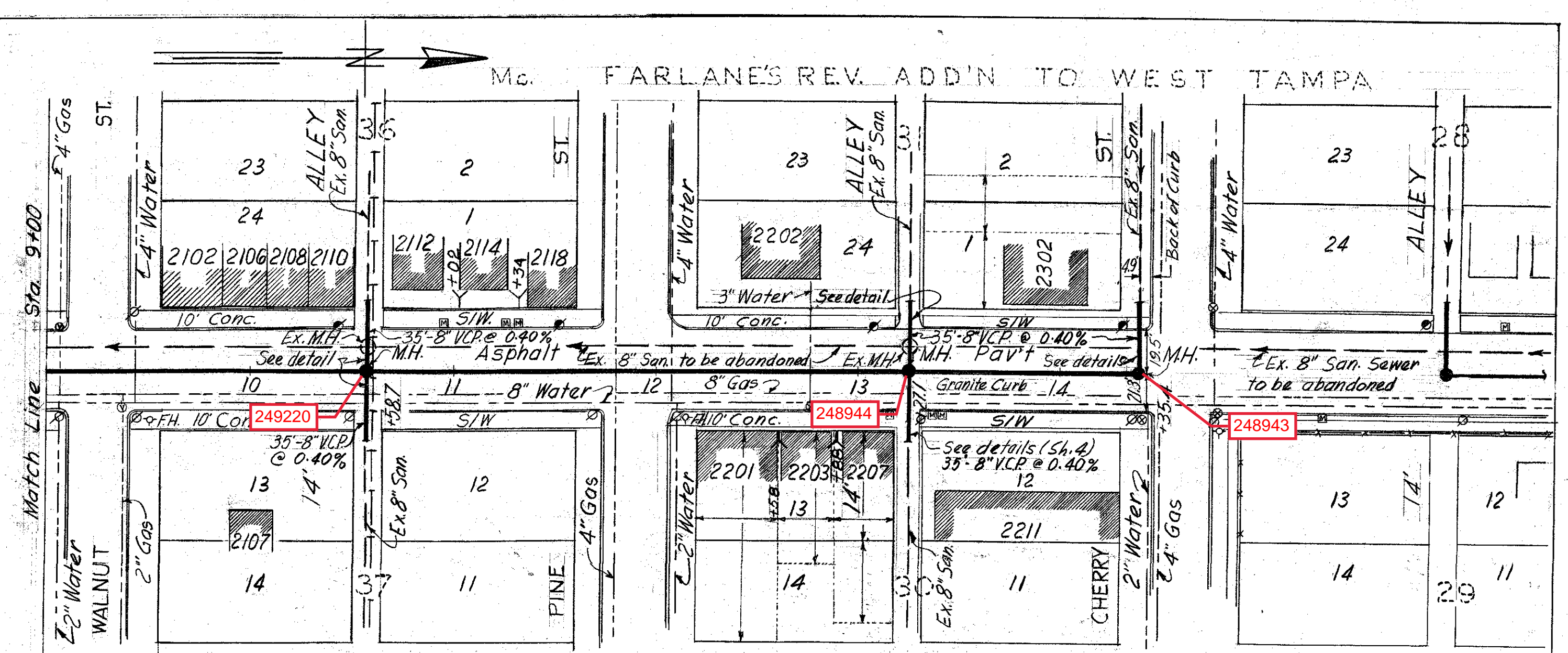
- Notes:
- 1.) - - - - - Property lines as indicated by Hillsborough County Tax Records.
 - 2.) Reference Elevation: Temporary Benchmark Nail in power pole @ SE corner of Howard Ave. and Spruce St. Elev. 30.551
 - 3.) Y indicates 8" x 6" wye @ main sewer with 6" house connection to R

HSE COM'S FROM DAILY REPORTS

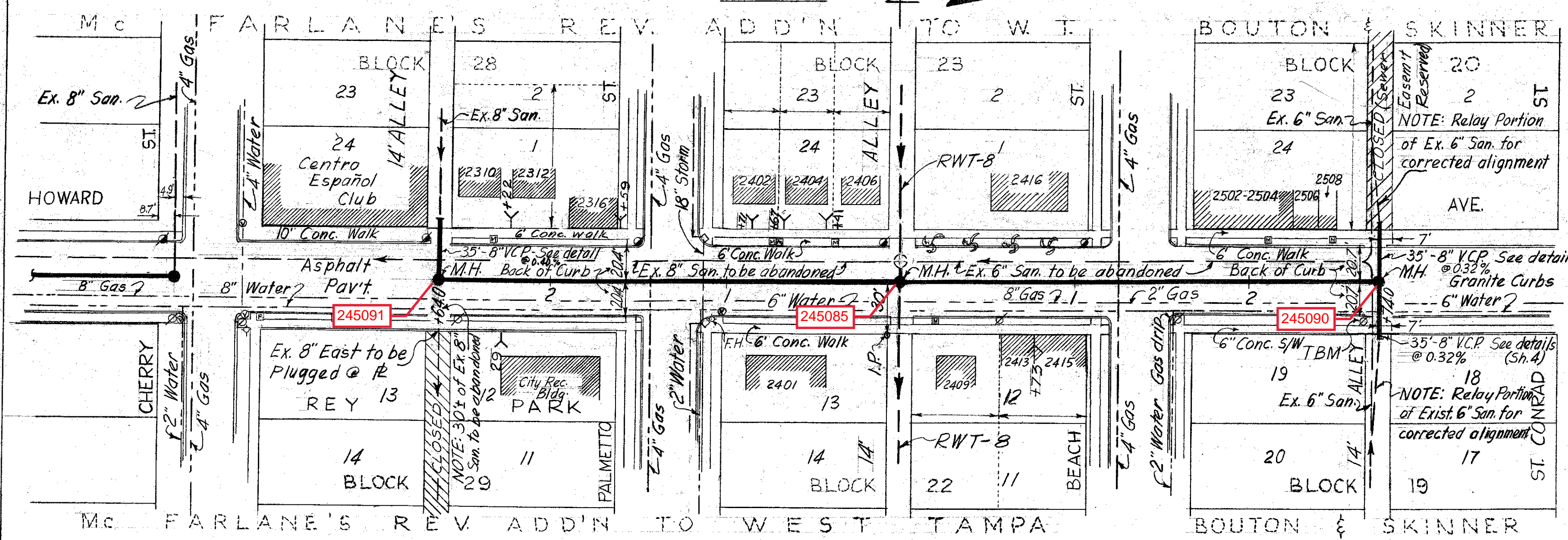
CITY OF TAMPA, FLORIDA	
THIRD SEWER REVENUE BOND PROGRAM	
SEWER IMPROVEMENTS	
<p>HOWARD - Spruce to Alley N. of Green ALLEY N. OF CHESTNUT - Howard to Armenia</p>	
DES: CMT	RENEWAL & REPLACEMENT PROGRAM
DRN: H.K.	PROJECT: 3-1 SUBDISTRICT: A-5
CKD: CMT	SHEET: 2 OF 9
SCALE: 1"=50'	
DATE: 8-19-66	



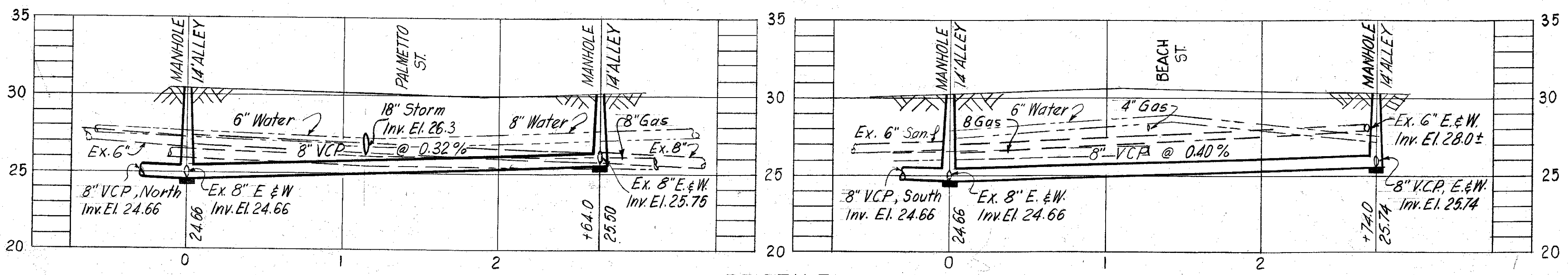
PLAN



PROFILE



PLAN



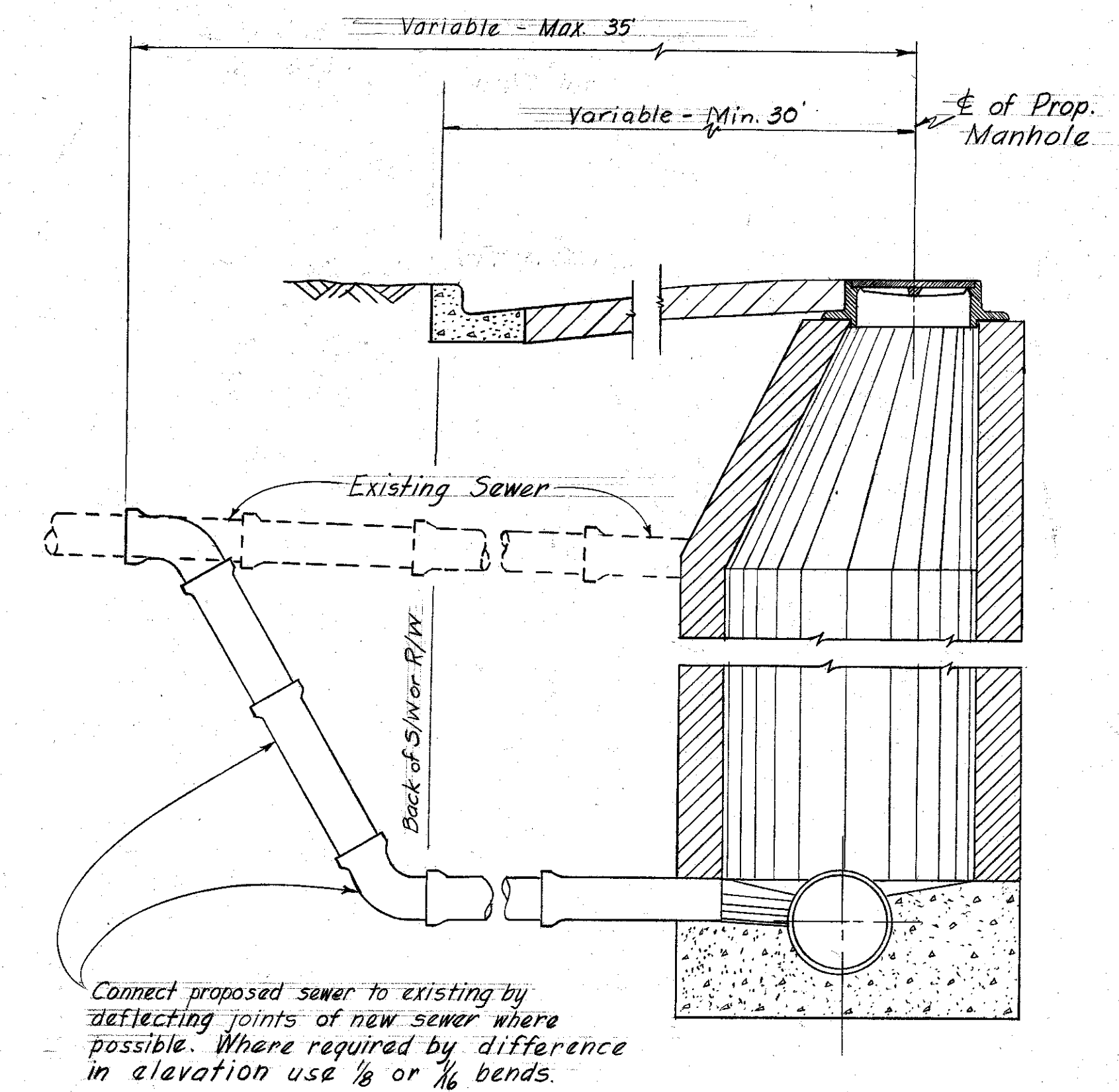
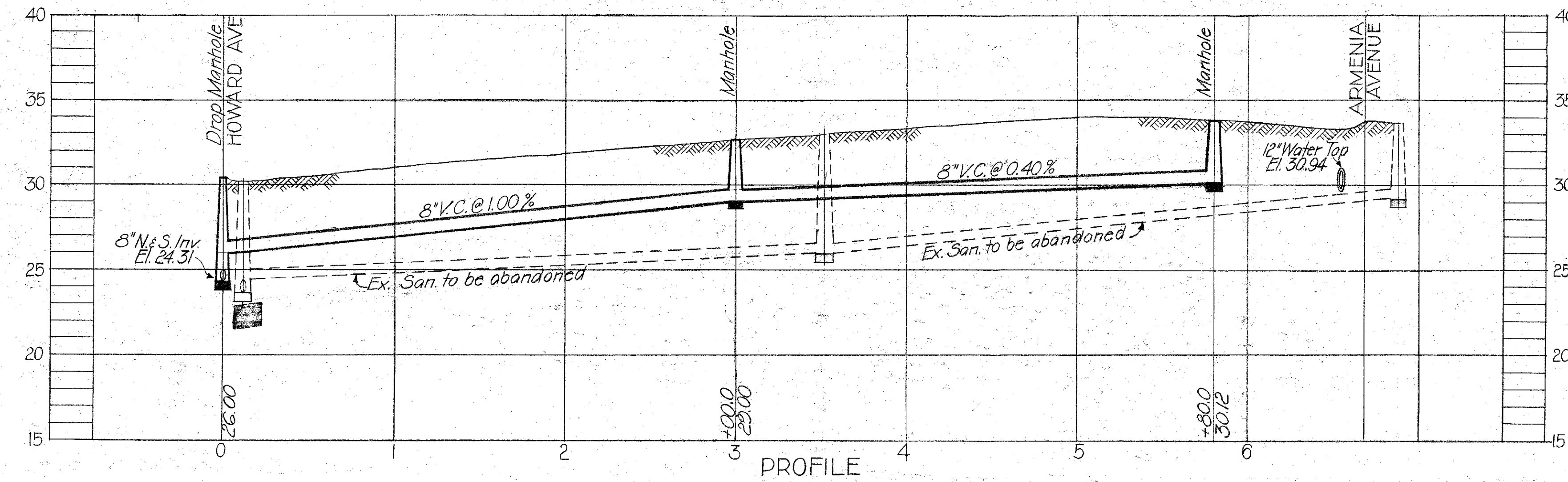
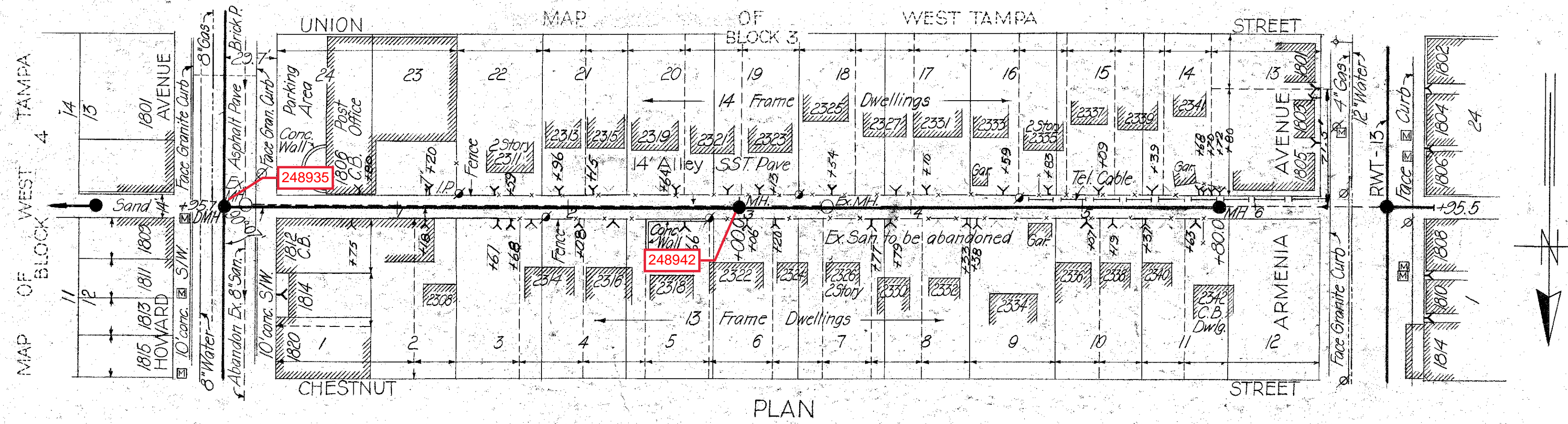
PROFILE

- NOTE:
- 1- Property lines as indicated by Hillsborough County Tax Records.
 - 2- Reference Elev., nail in power pole @ S.E. corner of Howard Ave. and Spruce St. Elev. 30.551
 - 3- Reference Elevation; nail in power pole @ alley North of Beach & East of Howard Ave., Elev. 30.554
 - 4- 8" Gas @ Sta. 7+82± to be raised 1.0' by Peoples Gas Co. for adequate clearance.

CITY OF TAMPA, FLORIDA	
THIRD SEWER REVENUE BOND PROGRAM	
SEWER IMPROVEMENTS	
ALBANY AVE. - Spruce to Alley N.	
ALLEY N. OF SPRUCE - Albany to Howard	
HOWARD AVE. - Alley N. of Spruce to Cherry	
HOWARD AVE. - Alley N. of Palmetto to Alley N. of Beach	
HOWARD AVE. - Alley N. of Palmetto to Alley N. of Cherry	

DES: JMR	RENEWAL & REPLACEMENT PROGRAM	SHEET
DRN: JMR	PROJECT: 3-1 SUBDISTRICT: A-5	3
CHK: CMT		OF 9
SCALE: 1"=50'		
DATE: 6-1962		

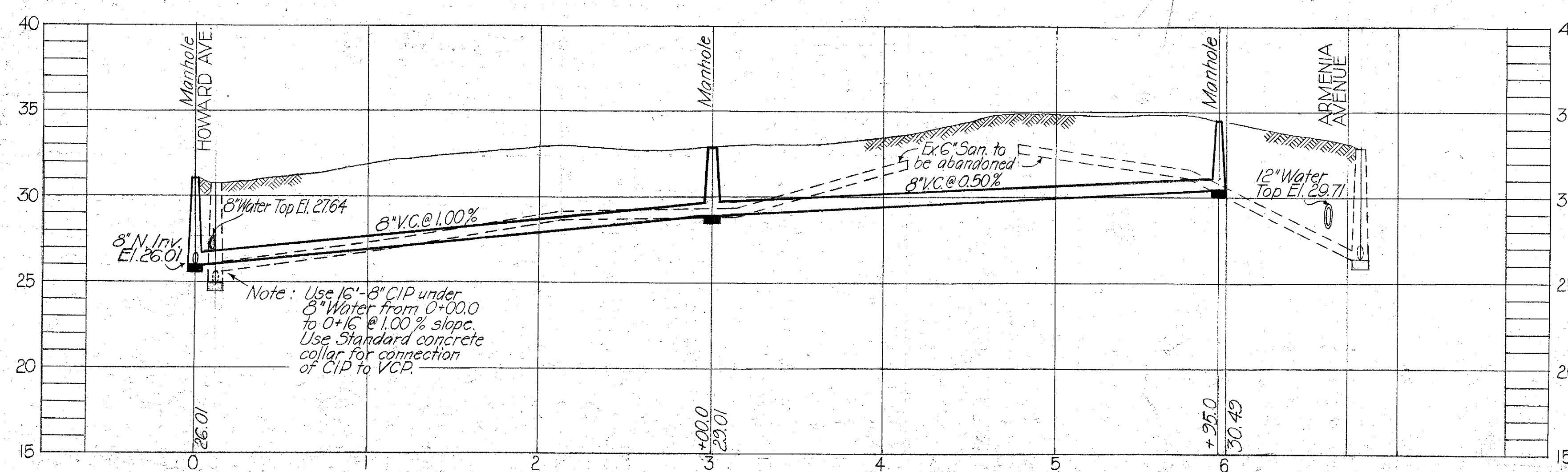
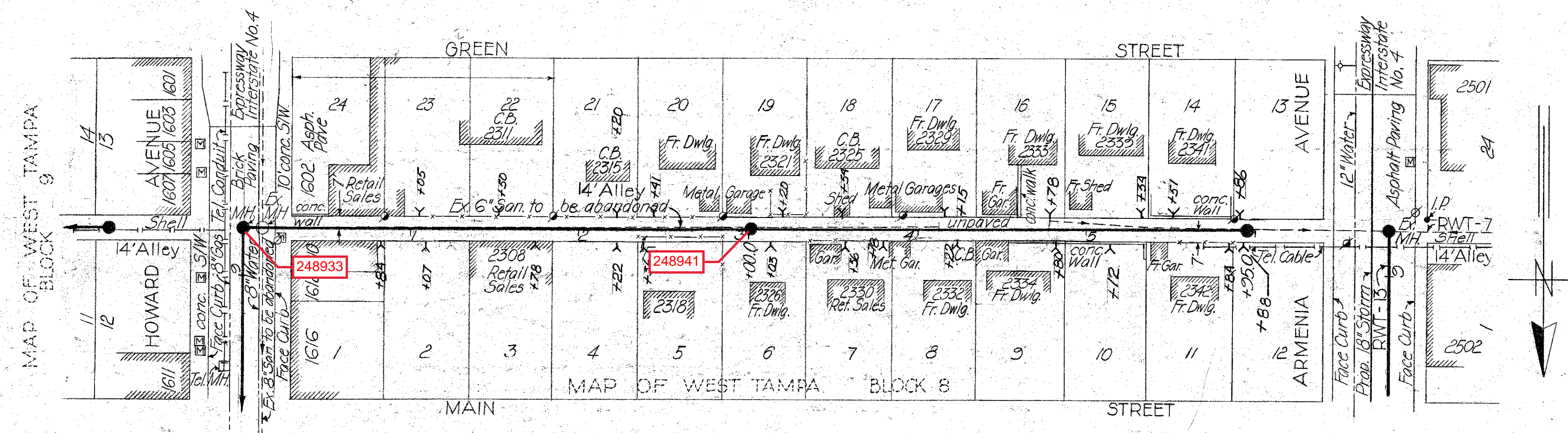
STA 0+00.0 =
STA 3+95.7 North to South



Connect proposed sewer to existing by deflecting joints of new sewer where possible. Where required by difference in elevation use 1/8 or 1/16 bends.

TEMPORARY CONNECTION OF PROPOSED TO EXISTING SEWERS
Scale: 1/2" = 1'-0"

STA 0+00.0 =
STA 9+28.3 North to South



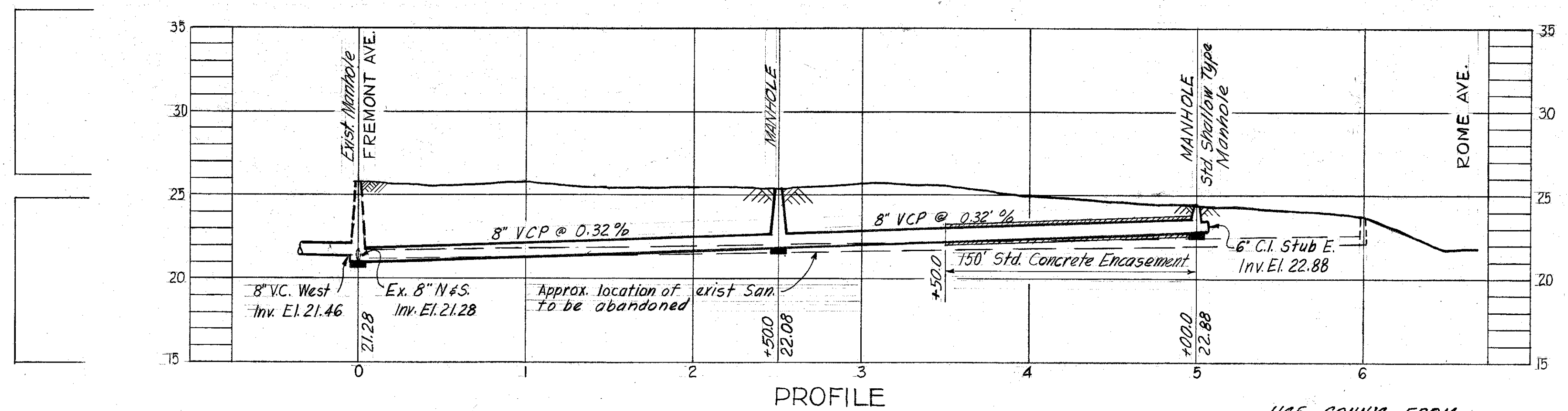
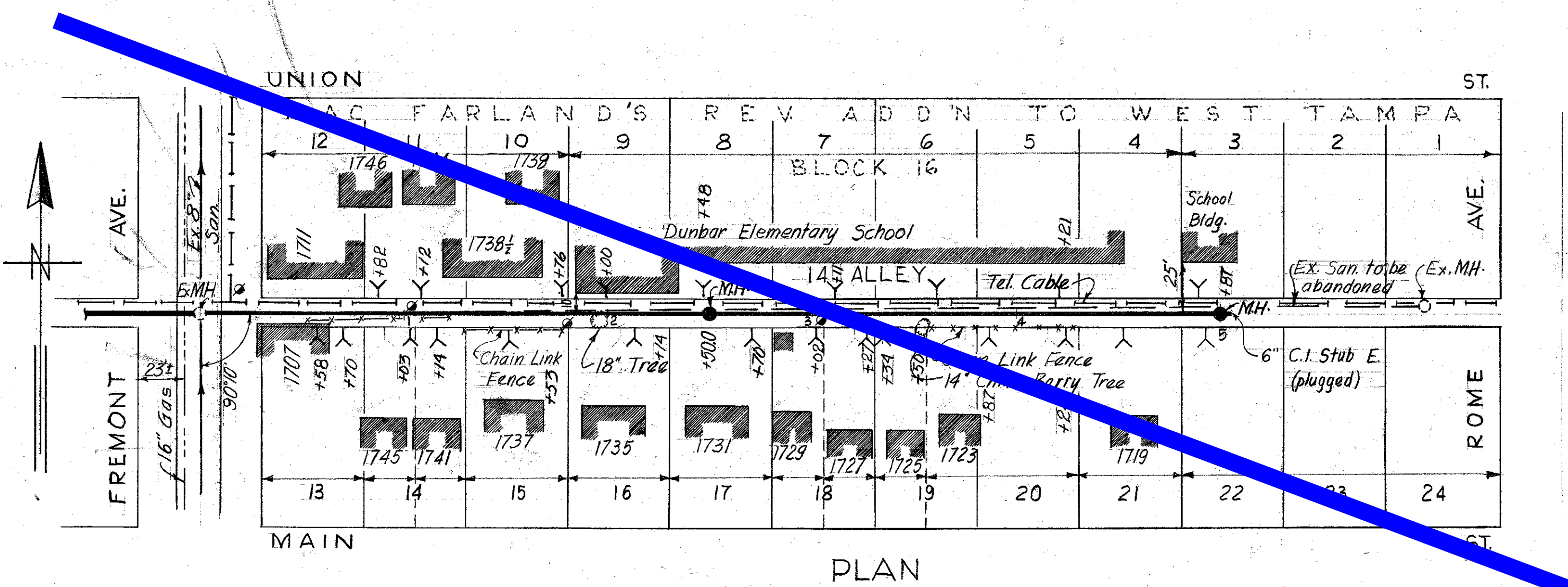
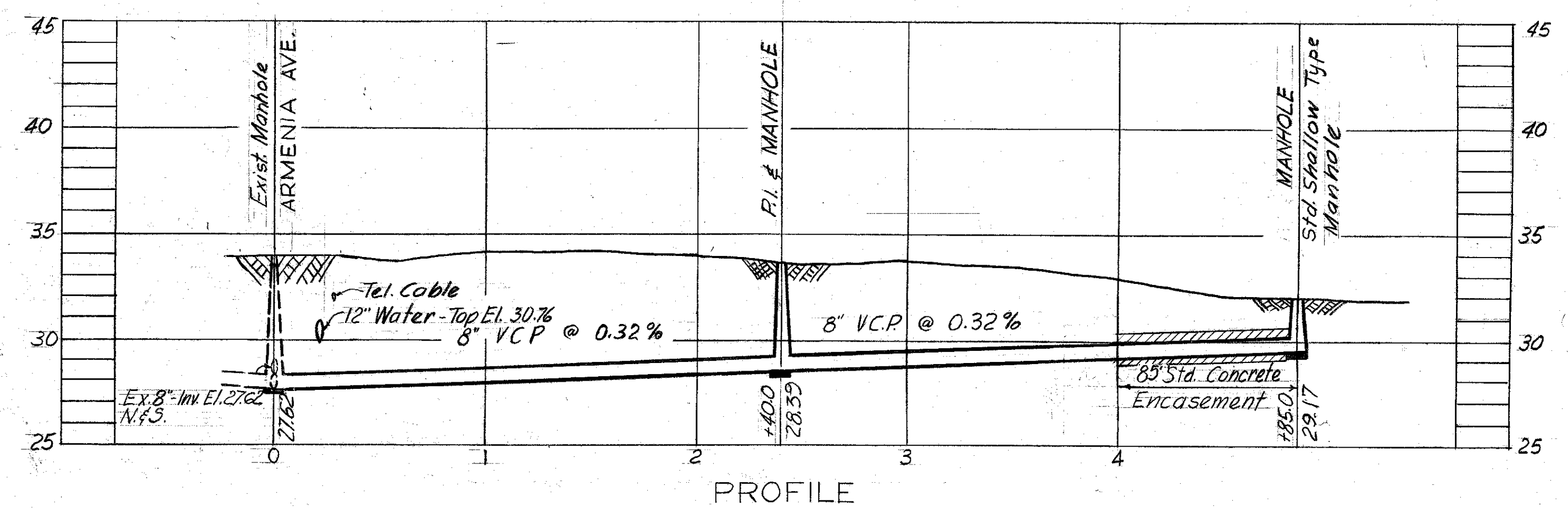
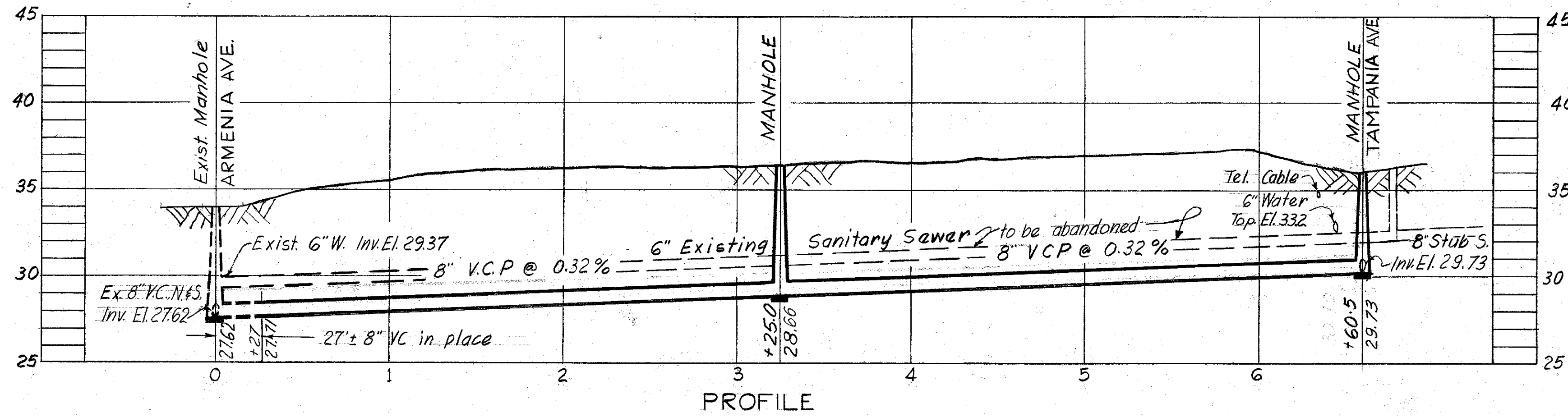
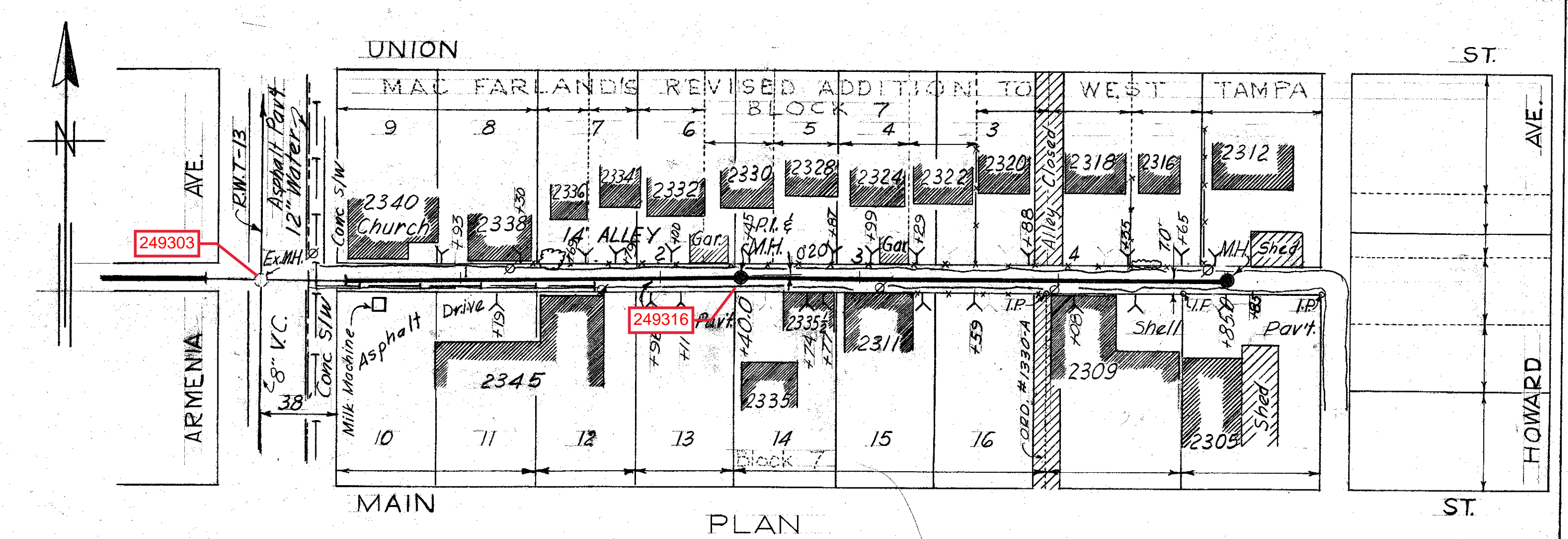
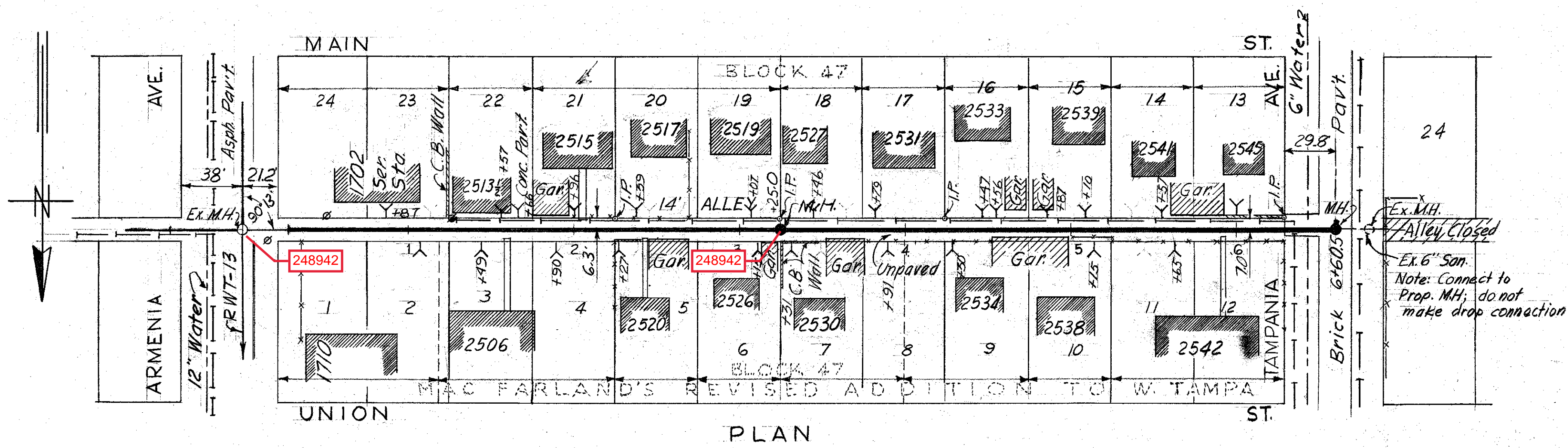
PLAN

PROFILE

- Notes:
- 1) --- Property lines as indicated by Hillsborough County Tax Records
 - 2) Reference Elevation: Temporary Benchmark Nail in Power Pole @ NW Corner of Armenia Avenue and alley north of Main Street; Elevation 34.61
 - 3) Y indicates 8" by 6" wye @ main sewer with 6" house connection to it.

USE CONN'S. FROM DAILY REPORTS

CITY OF TAMPA, FLORIDA THIRD SEWER REVENUE BOND PROGRAM SEWER IMPROVEMENTS		
ALLEY N. OF UNION - Howard to Armenia ALLEY N. OF GREEN - Howard to Armenia TEMPORARY CONNECTION OF PROPOSED TO EXISTING SEWERS		
DES: CMT DRN: H.H. CKD: G.M.T. SCALE: 1" = 50' DATE: 6-19-62	RENEWAL & REPLACEMENT PROGRAM PROJECT: 3-1 SUBDISTRICT: A-5	SHEET: 4 OF 9



- NOTES:
- Property lines as indicated by Hillsborough County Tax Records.
 - Reference Elevations:
 - a) Nail in power pole @ N.W. corner of Armenia & Alley N. of Main, Elev. 34.611
 - b) Sidewalk @ N.E. corner Albany & Green. (Office check unavailable) Elev. 28.562

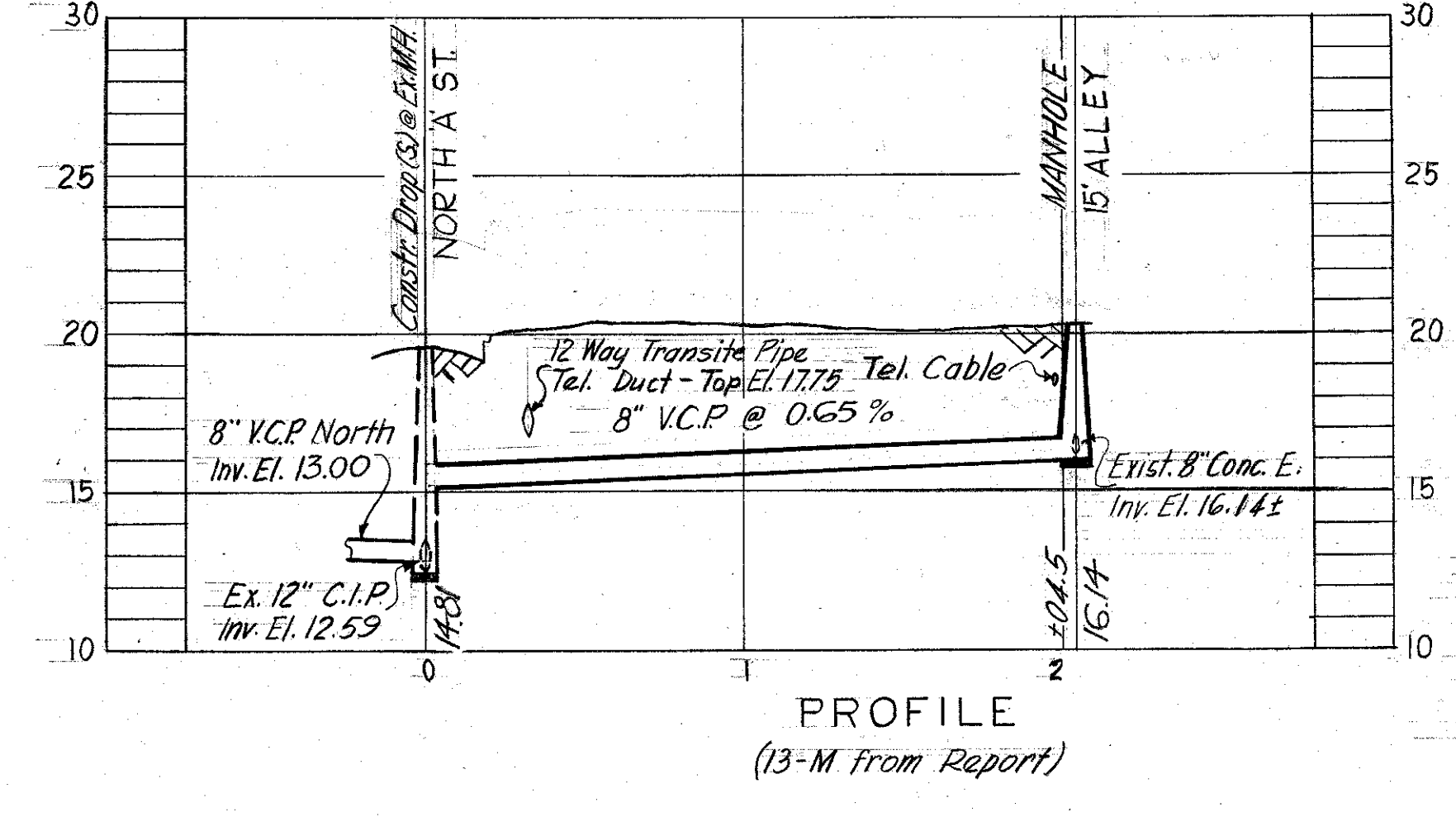
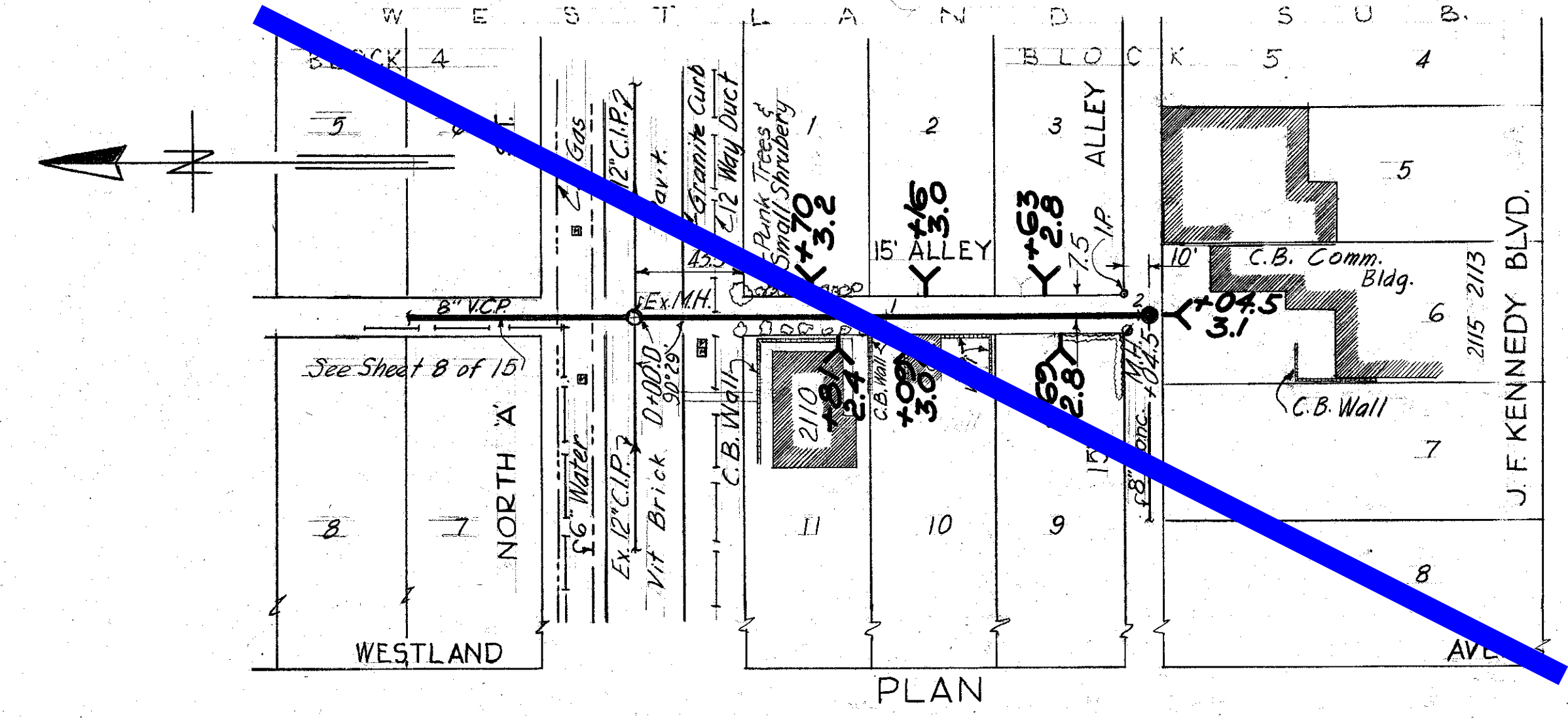
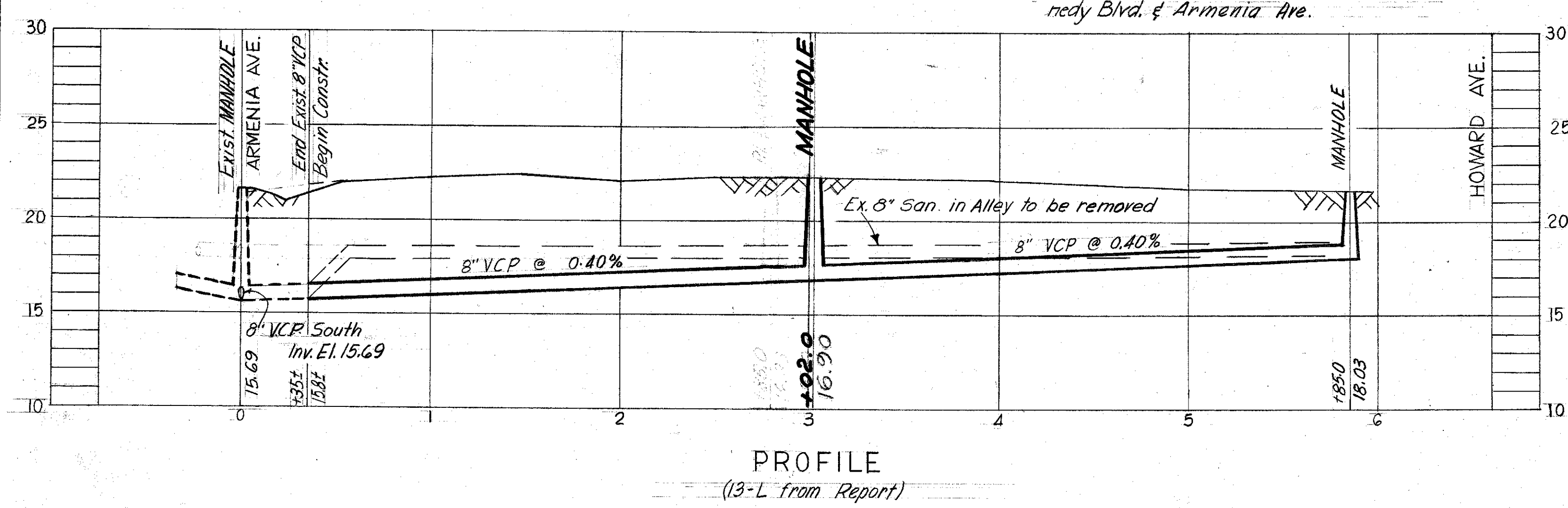
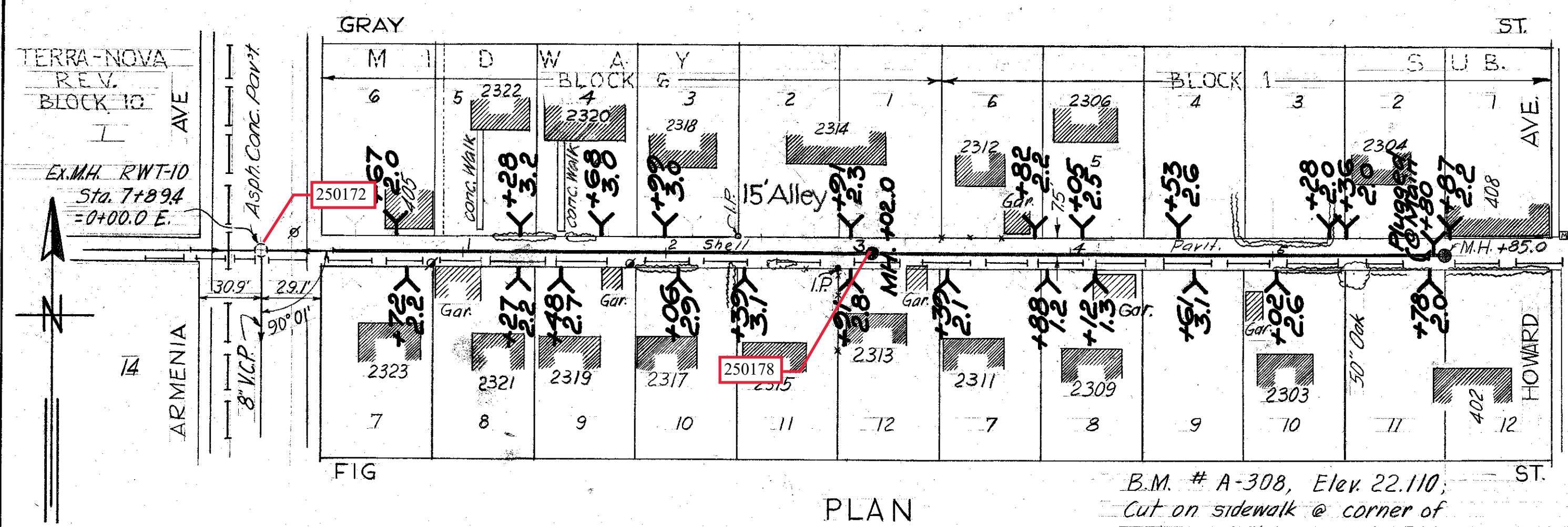
CITY OF TAMPA, FLORIDA
 THIRD SEWER REVENUE BOND PROGRAM
 SEWER IMPROVEMENTS

ALLEY N. OF MAIN - Armenia to Tampa
 ALLEY N. OF MAIN - Armenia E.
 ALLEY N. OF MAIN - Fremont E.

DES: C.M.T.
 DRN: J.M.R.
 CKD: C.M.T.
 SCALE: 1"=50'
 DATE: 5-19-62

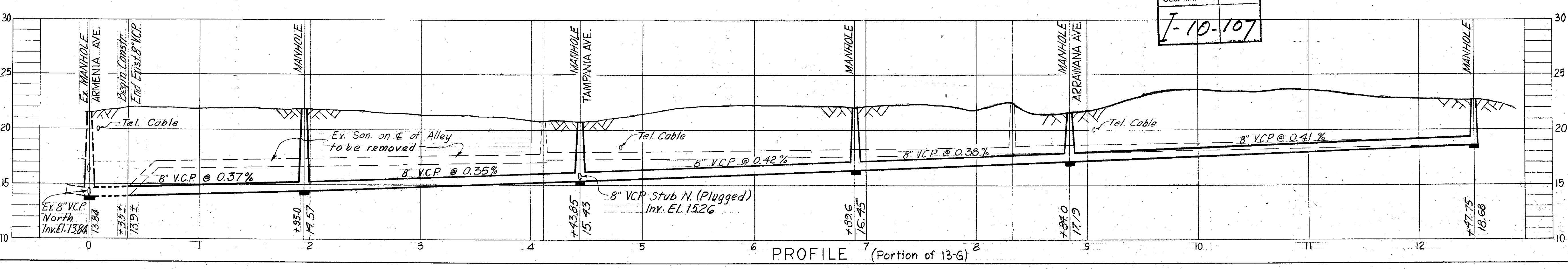
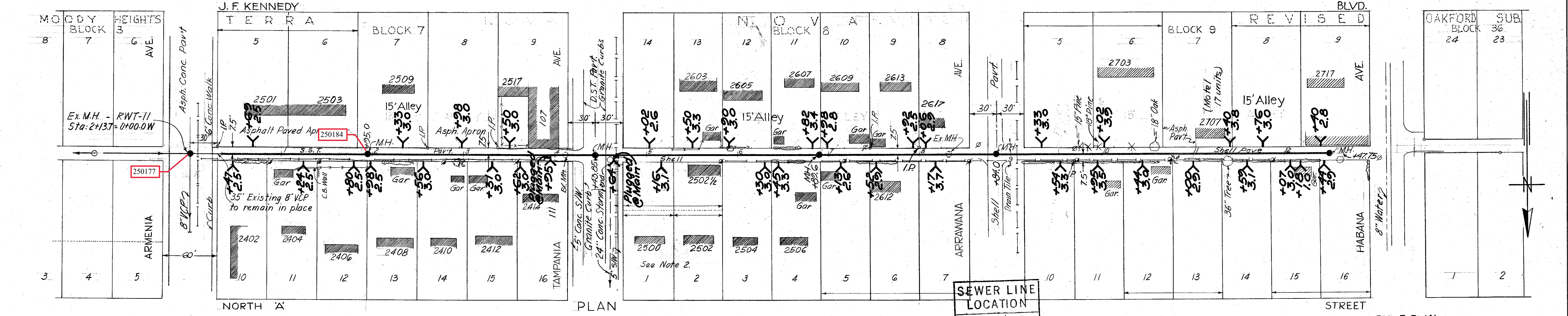
RENEWAL & REPLACEMENT PROGRAM
 PROJECT: 3-1 SUBDISTRICT: A-5

SHEET: 5 OF 9



T.B.M. used: Elev. 20.154 - Top of curb @ N.W. corner of North 'A' St. @ Albany Ave.

- Notes:
- 1, property lines as indicated by Hillsborough County Tax Records.
 - 2, Houses Nos. 2500 & 2502 are to remain connected to 10" Sanitary on North 'A' St. until such time it becomes impractical to sewer from this line.



SEWER LINE LOCATION
SEC. MAP No. LINE No.
7-10-107

AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS
ACCORDING TO CONSTRUCTION RECORDS
AS OF 6-18-67 PER HK W.O. 1901

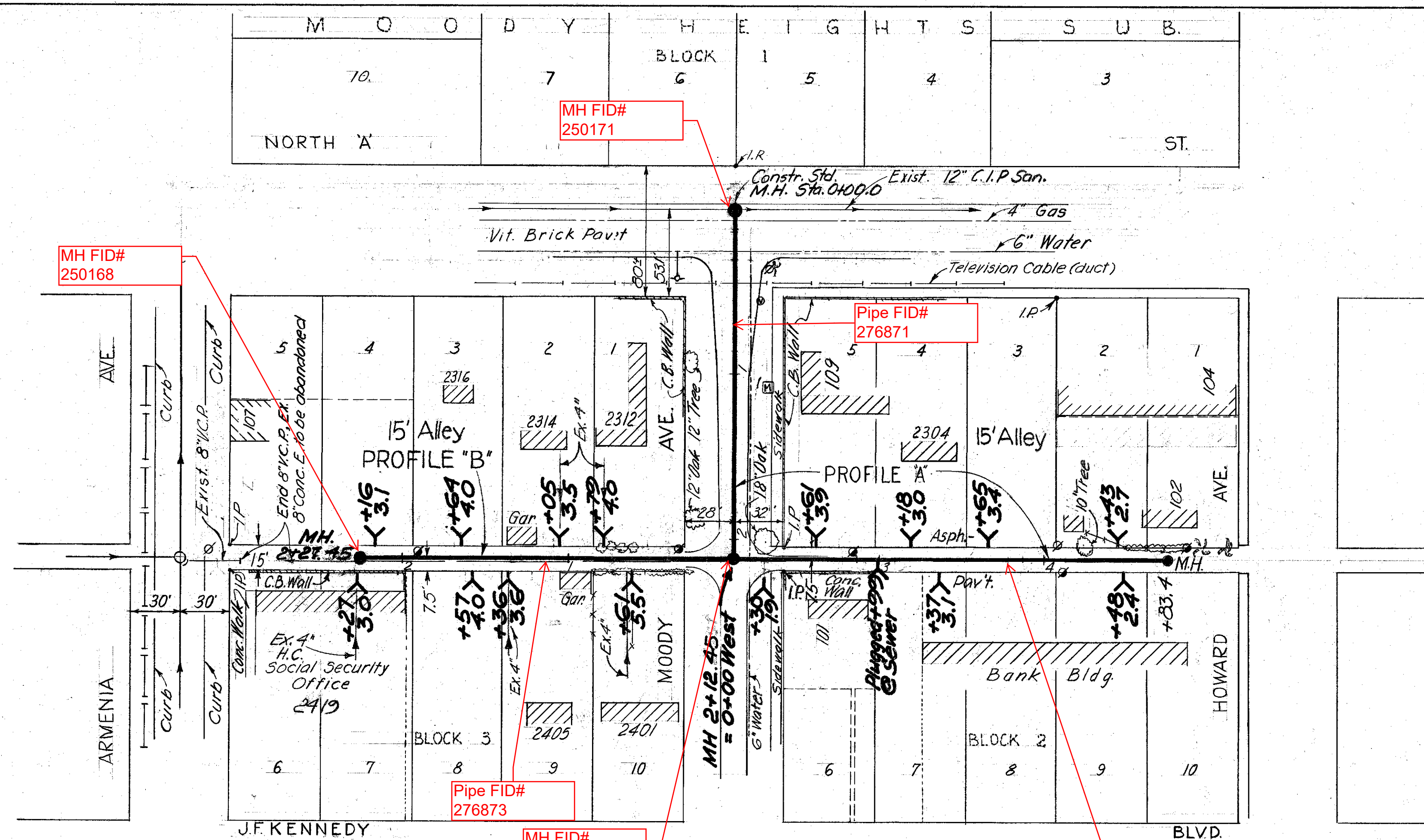
CITY OF TAMPA, FLORIDA
THIRD SEWER REVENUE BOND PROGRAM
SEWER IMPROVEMENTS

ALLEY N. of Fig St. - Armenia Ave. to Howard Ave.
ALLEY E. of Westland Ave. - North "A" St. to Alley South
ALLEY N. of J.F. Kennedy Blvd. - Armenia Ave. to Habana Ave.

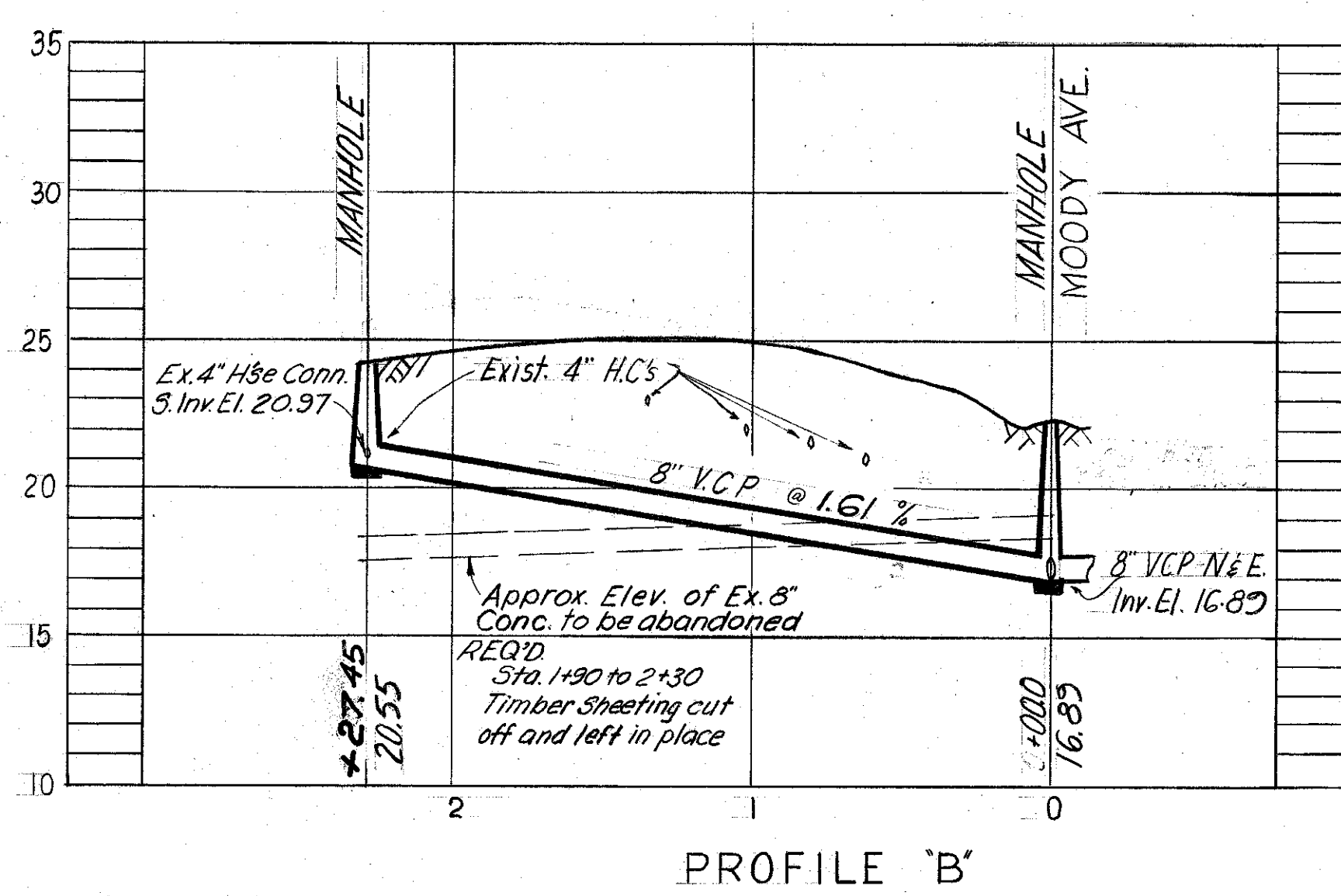
DES: JMR
DRN: JMR
CKD: CMT
SCALE: 1" = 50'
DATE: Dec 63

RENEWAL & REPLACEMENT PROGRAM
PROJECT: 3-2 SUBDISTRICT: A-4

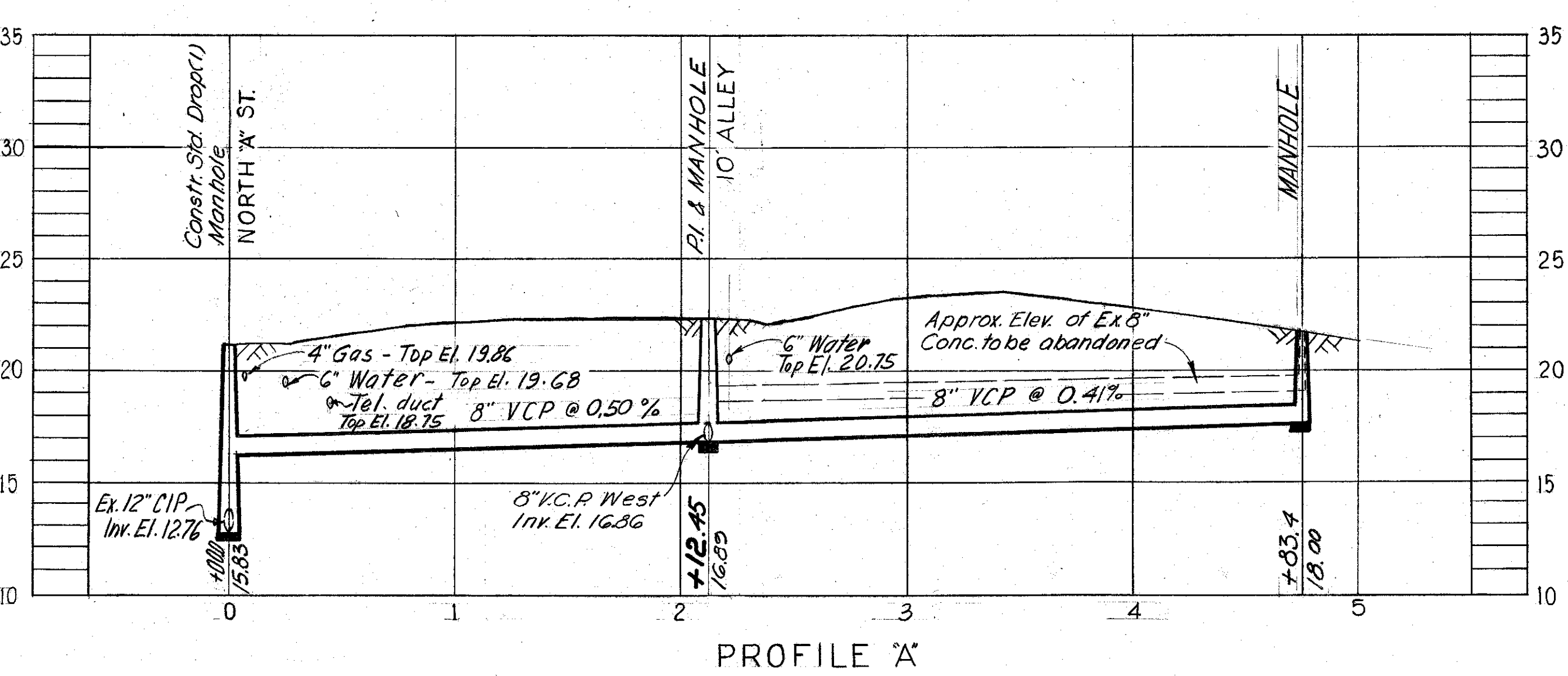
SHEET: 9 OF 15



PLAN
(Portion of Item 13 G, Table 16)



PROFILE 'B'

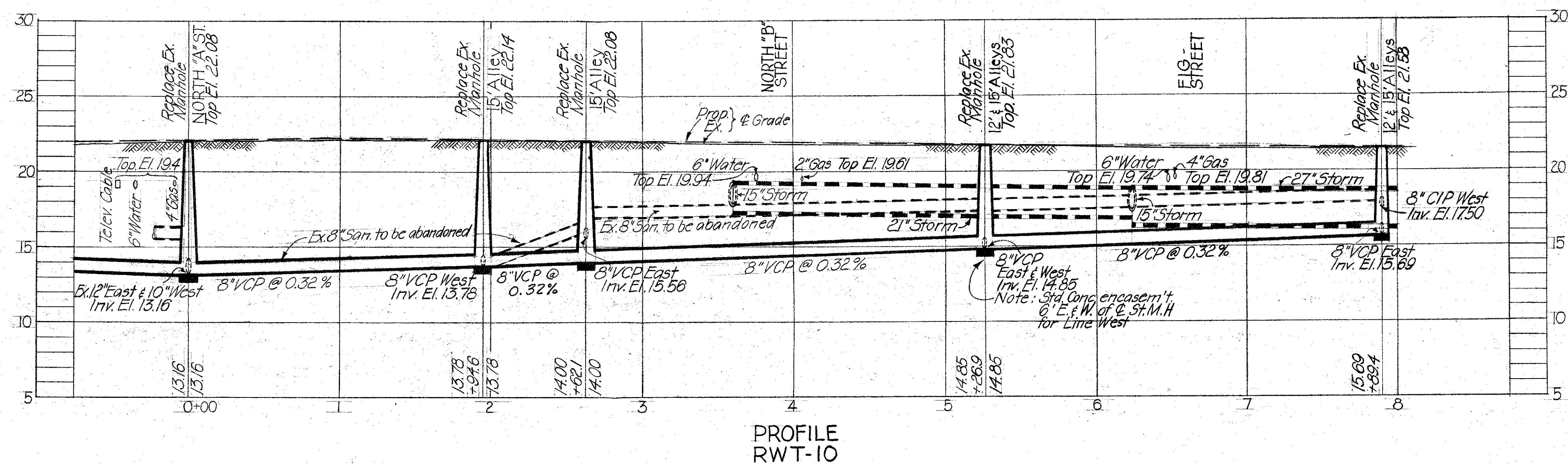
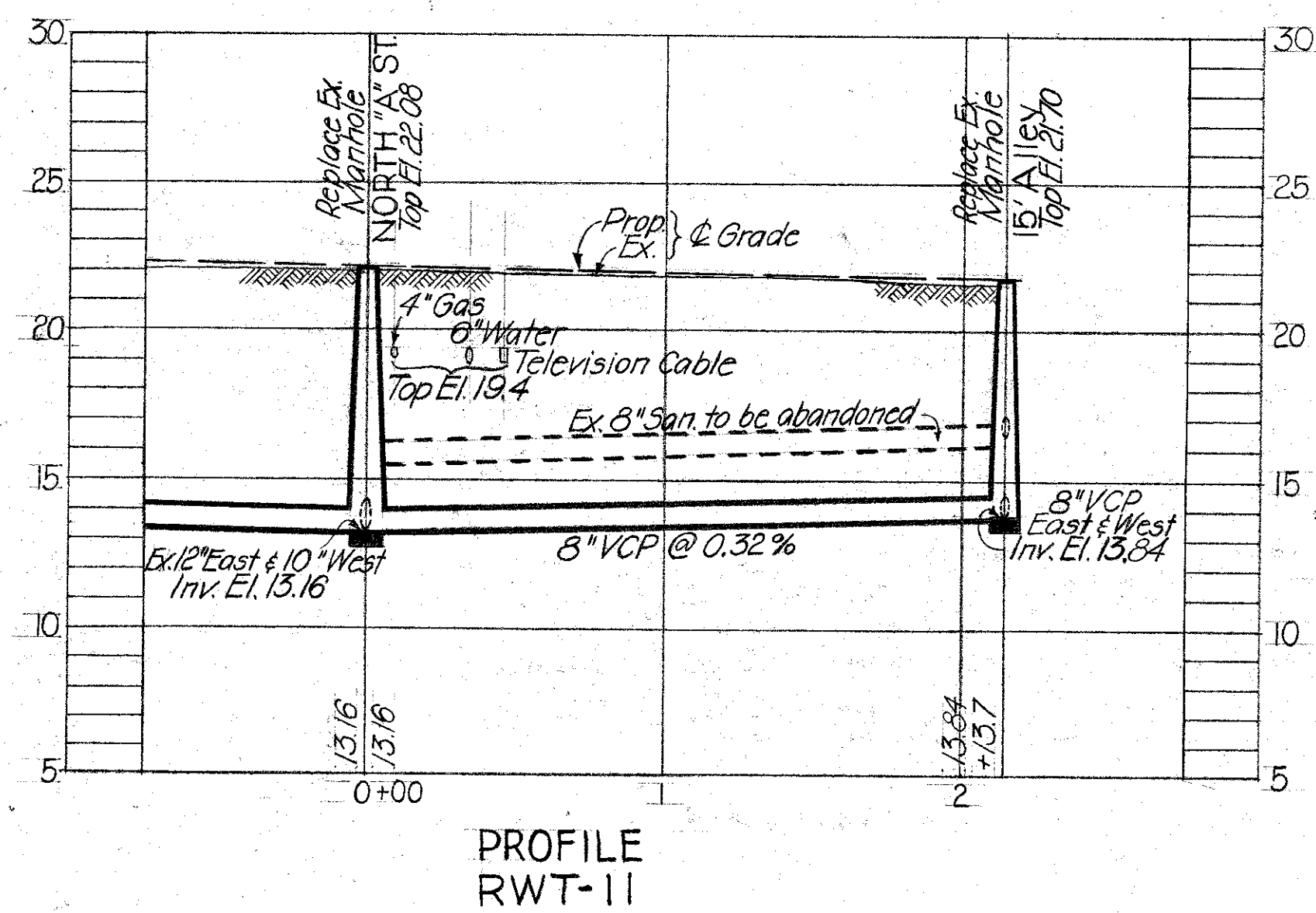
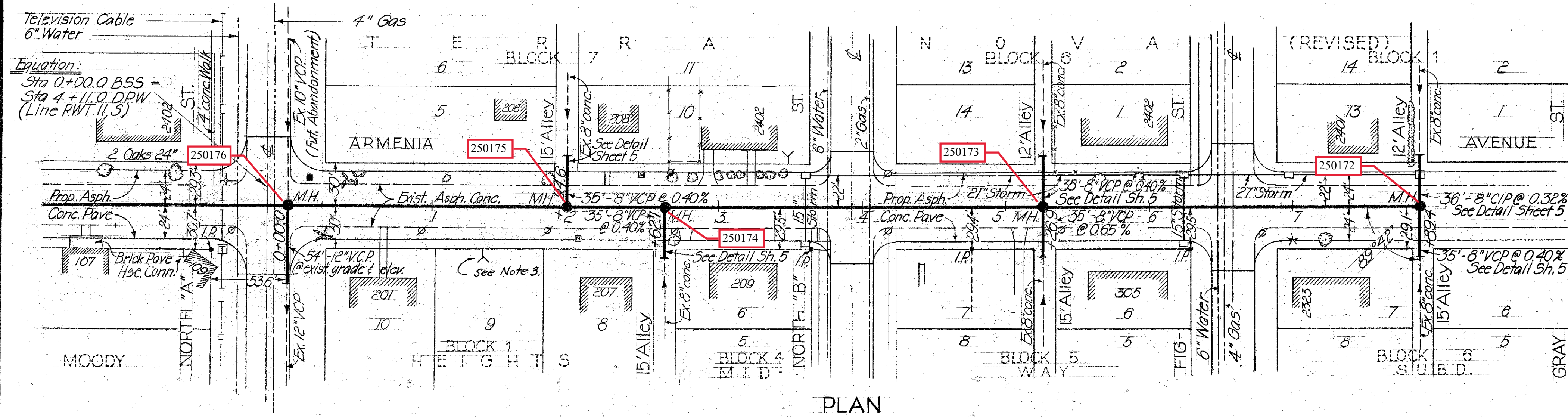
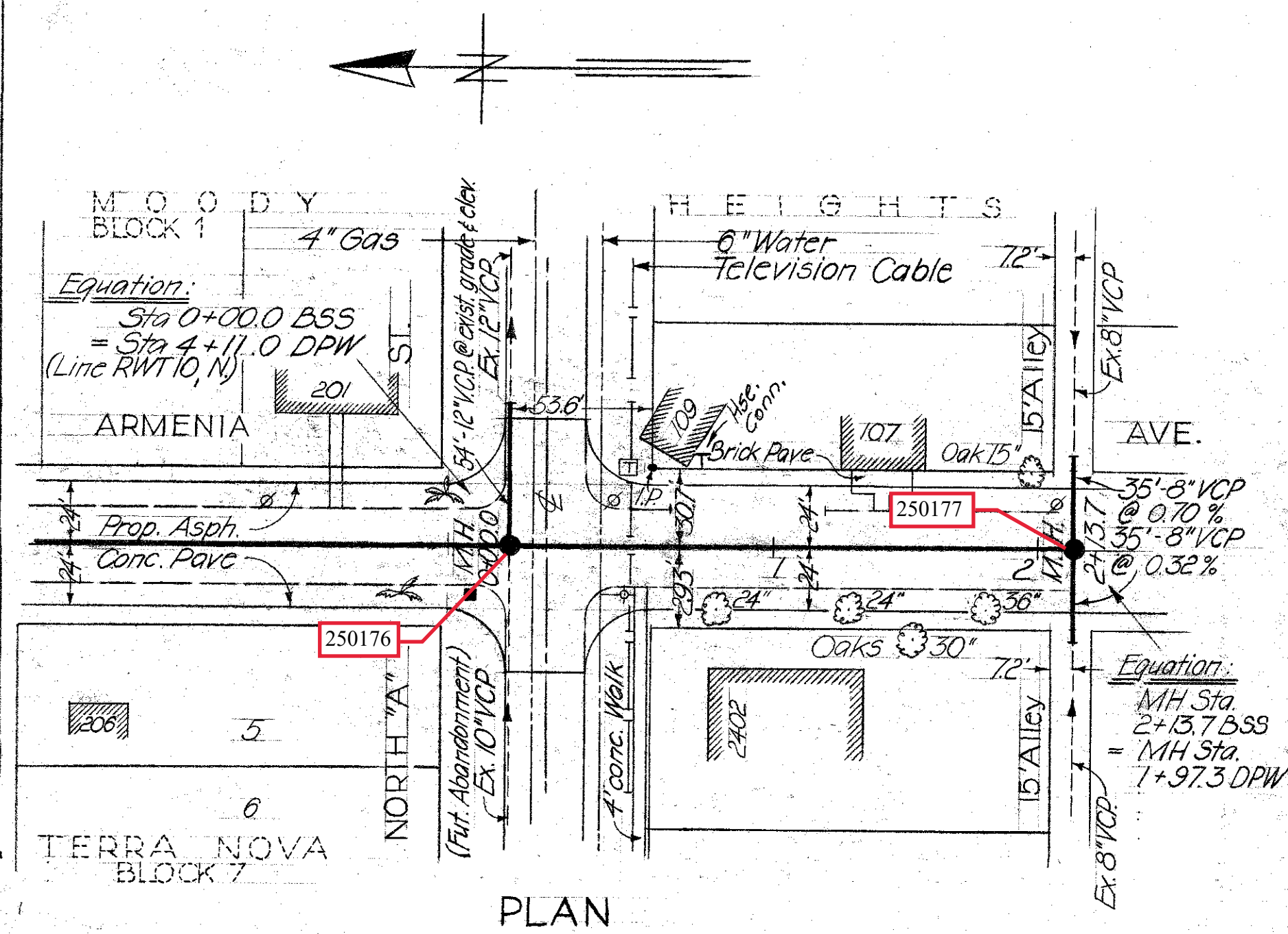


PROFILE 'A'

NOTE:
B.M. used: A-293, Elev. 22.569
(cut on S.E. cor., 1st step to duplex house #2405-2405 1/2 N. side of J. F. Kennedy Blvd. & 112' W. of Moody Ave.

AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS
ACCORDING TO CONSTRUCTION RECORDS
AS OF 6-25-64 PER HK

W.O. 1901	
CITY OF TAMPA, FLORIDA THIRD SEWER REVENUE BOND PROGRAM	
SEWER IMPROVEMENTS	
MOODY AVE. & ALLEY N. of J.F. Kennedy Blvd. - Armenia Ave. to Howard	
DES: J.M.R. DRN: J.M.R. CKD: C.M.T. SCALE: 1" = 50' DATE: Dec. 63	RENEWAL & REPLACEMENT PROGRAM PROJECT: 3-2 SUBDISTRICT: A-4
SHEET: 10 OF 18	



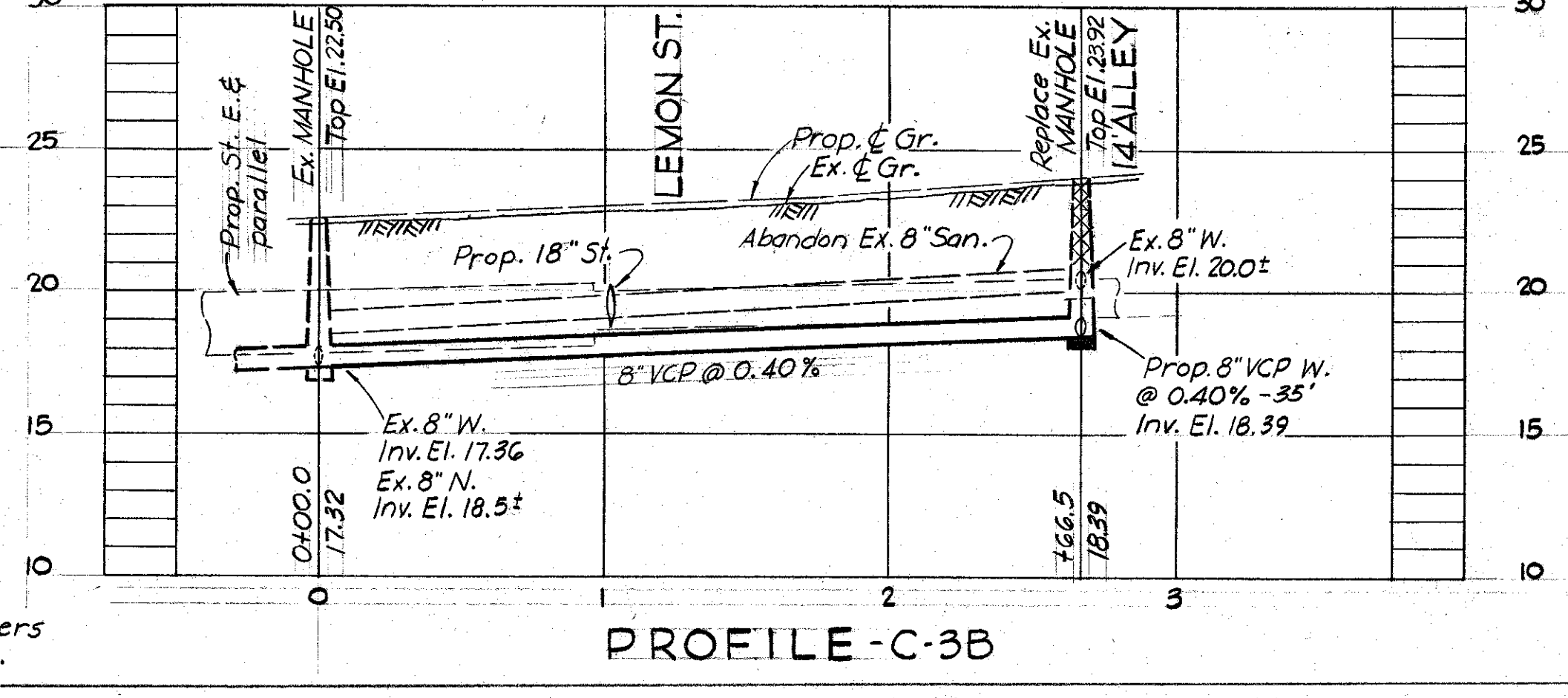
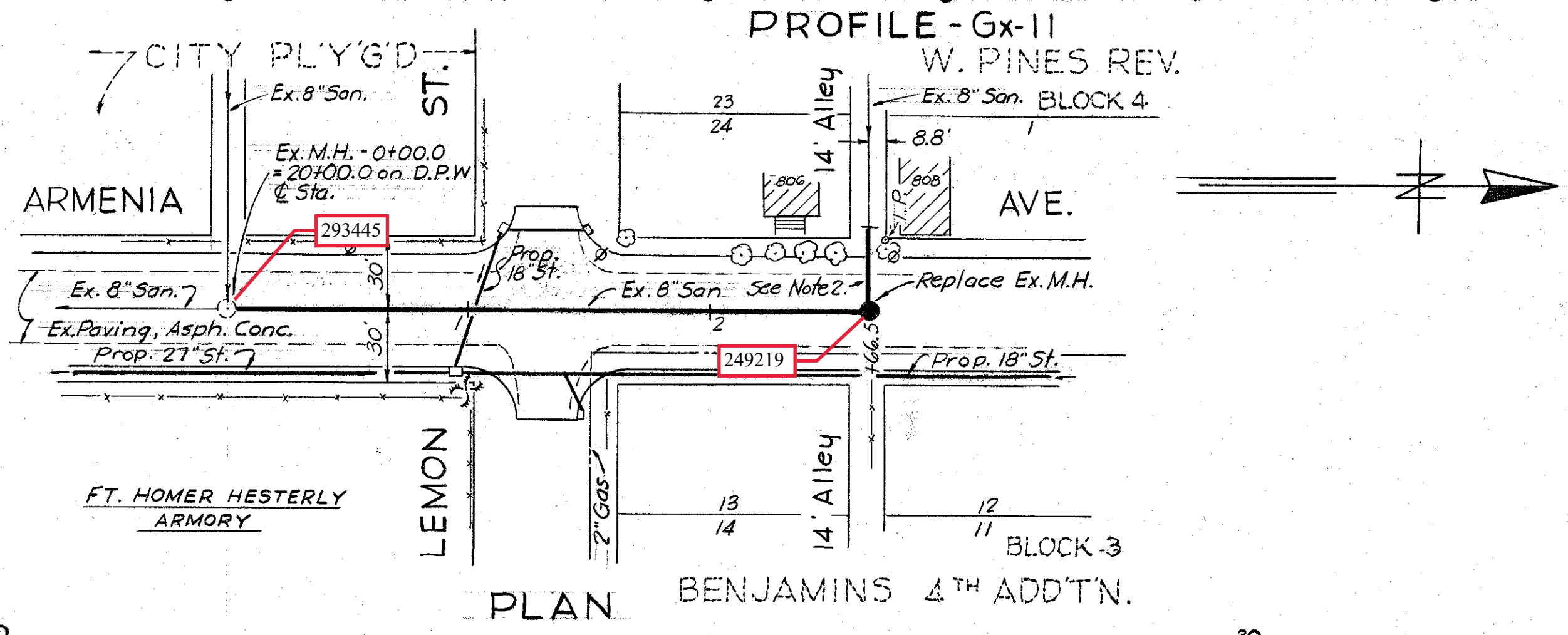
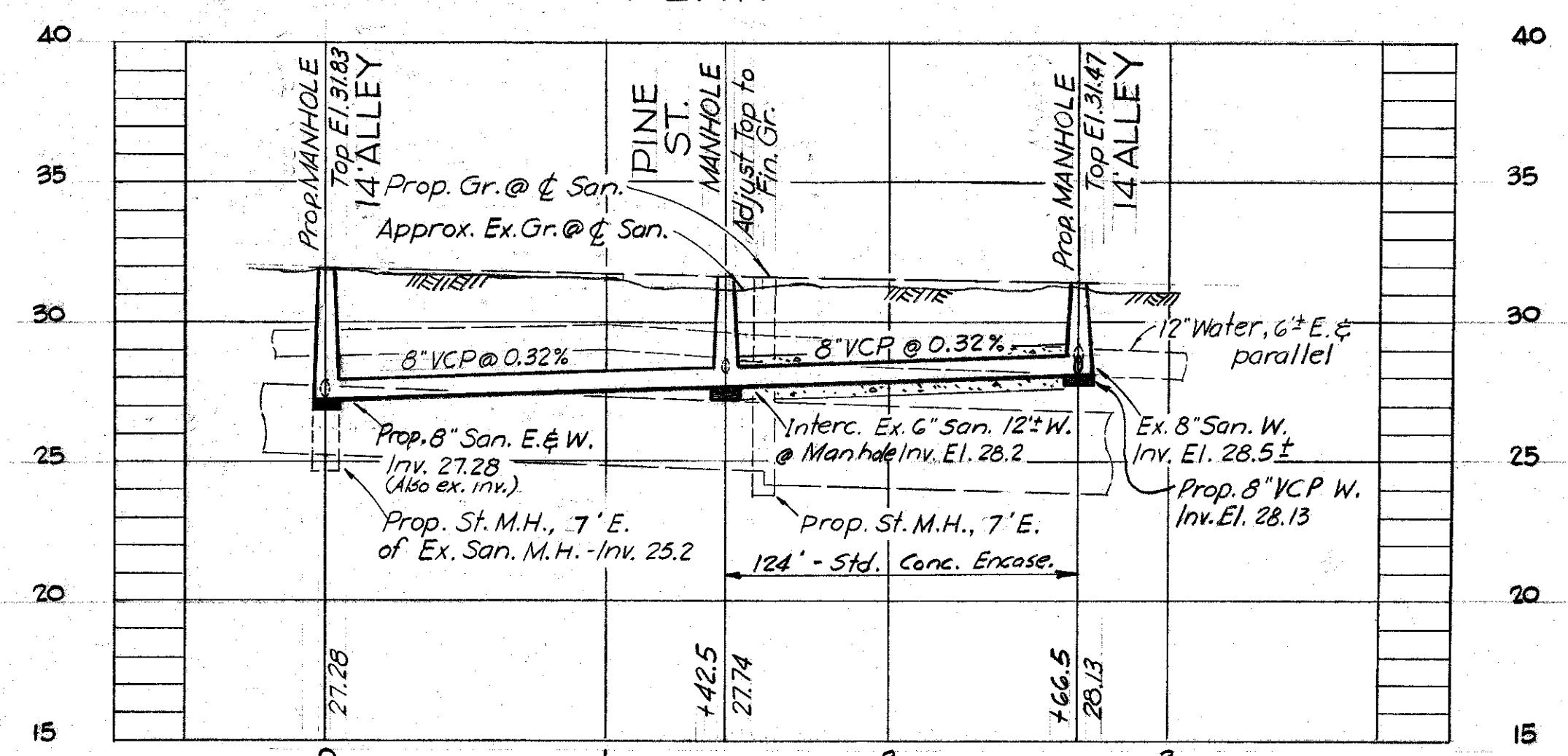
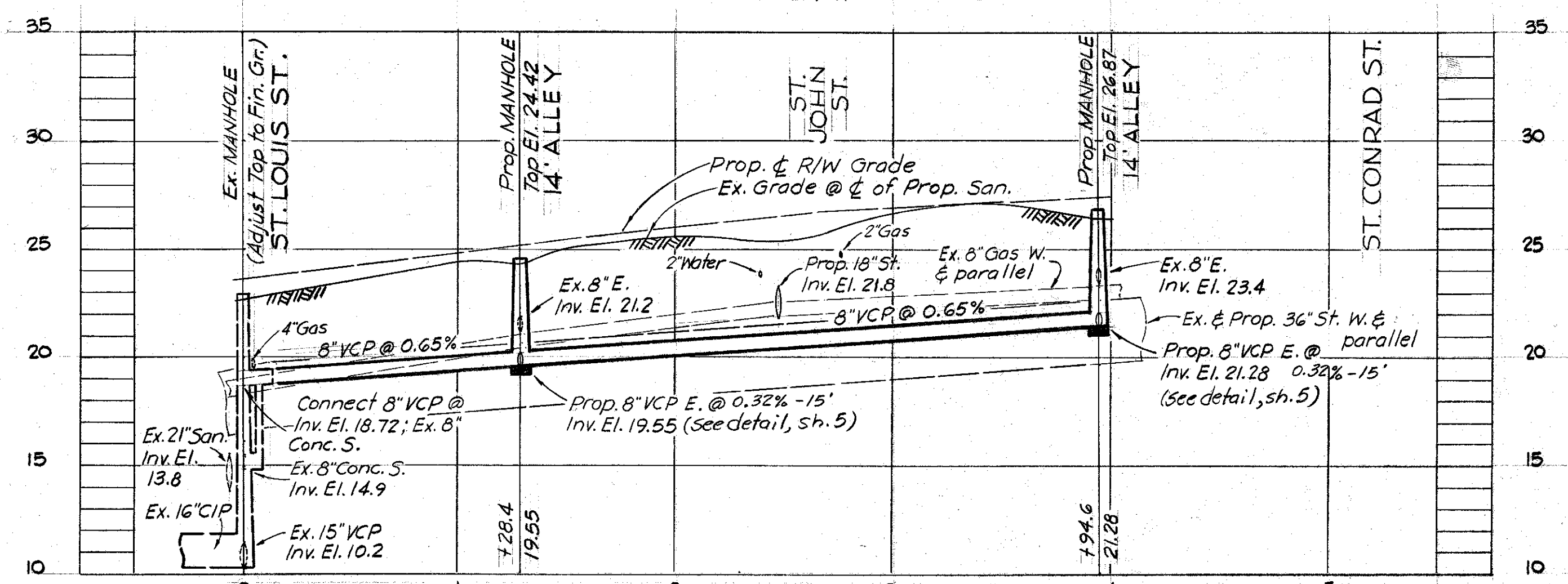
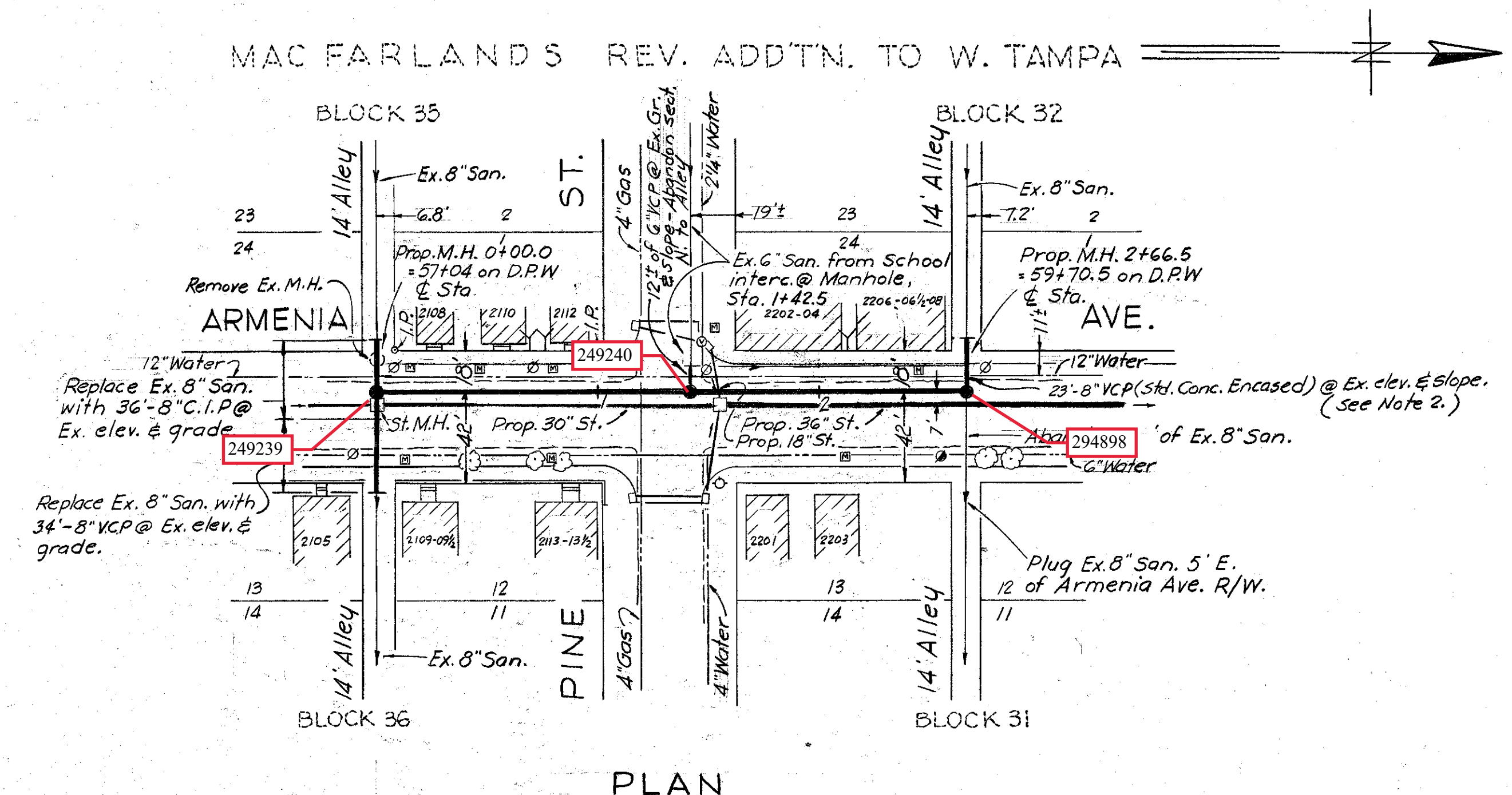
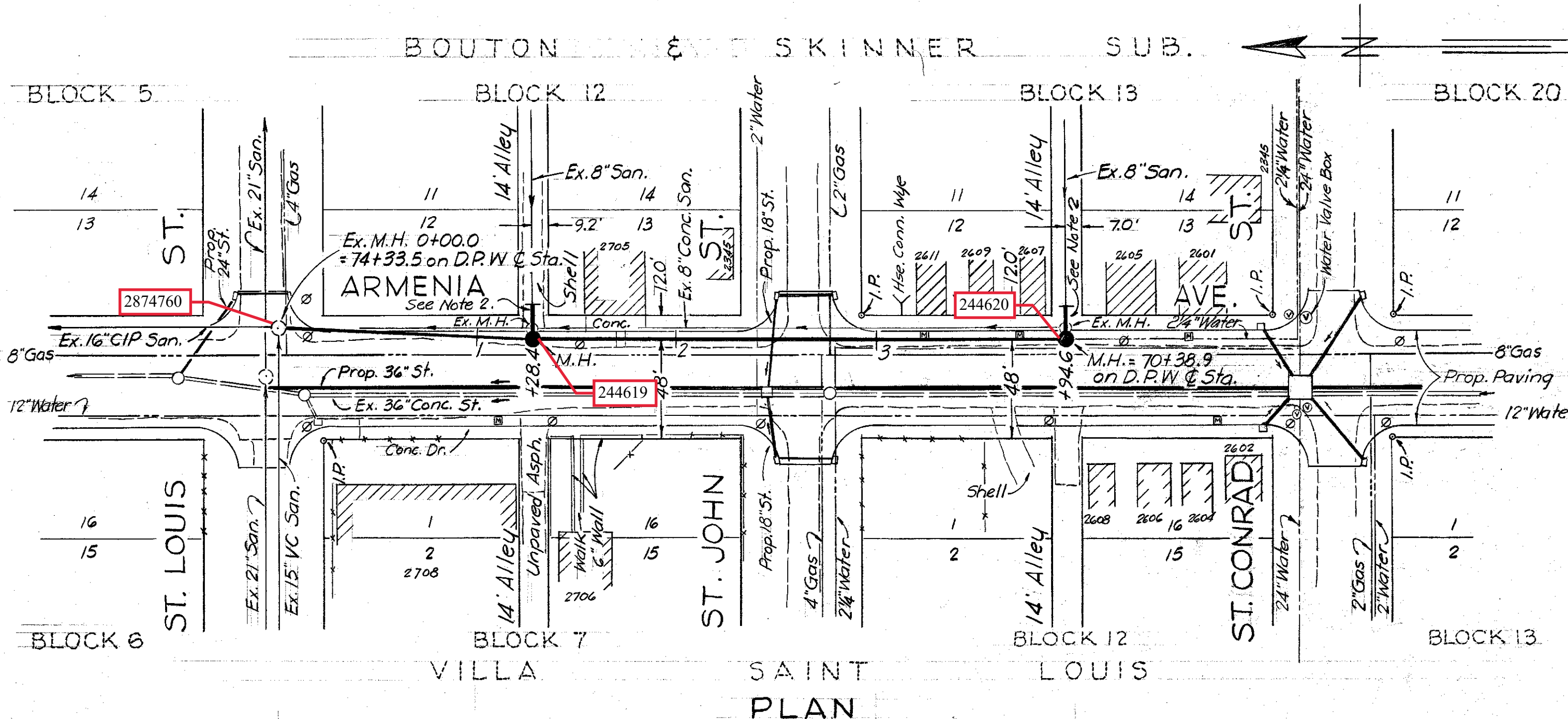
Notes:

- 1) Paving replacement: paving disturbed by San. Sewer Construction shall be replaced with 1/2" Asphaltic Cold Mix applied over 9" compacted lime rock base and 12" of stabilized subgrade. Top of lime rock shall match surface of existing paving.
- 2) Replace Existing house connections from proposed main sewer to property line, where existing main sewer is demolished or abandoned.
- 3) X, indicates 8" x 6" wye @ main sewer with 6" house connection to R.

PLANS & PROFILES
LINES RWT-IO, RWT-II

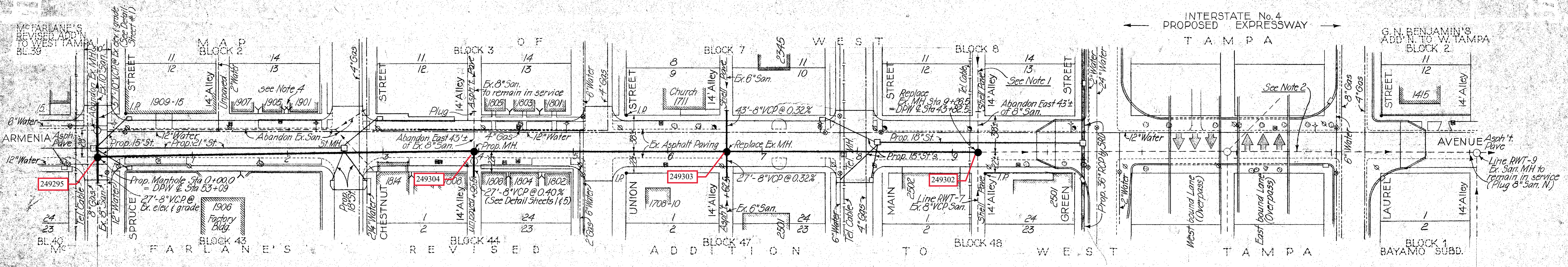
DIV. 2-A, CONT. NO. 3, PROJ. NO. 3-SERIES D

Sanitary Sewer Construction
Alley 5, of Gr. Central to Alley 5, of Fig.

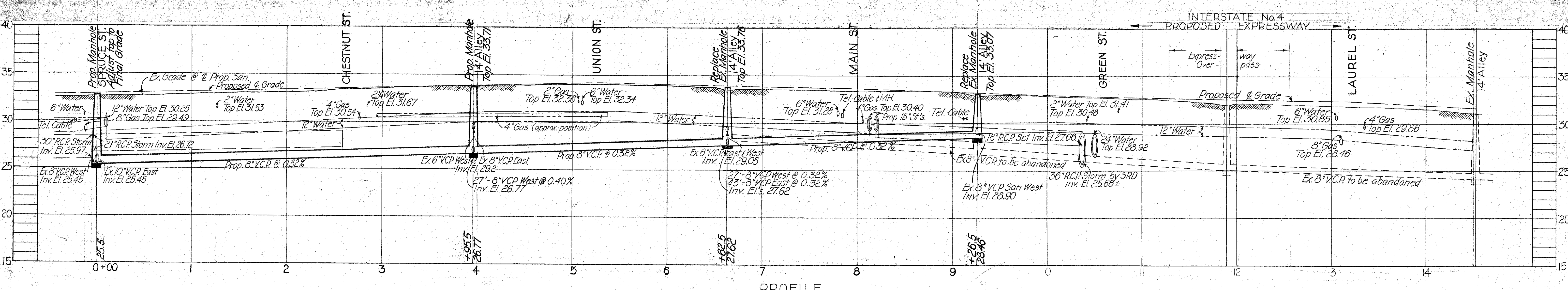


- Notes:
- 1) Paving Replacement for Line C-3B; paving disturbed by San. Sewer construction shall be replaced with 1/2" Asphaltic Cold Mix applied over 9" compacted lime rock base and 12" of stabilized subgrade. Top of lime rock shall match surface of existing paving.
 - 2) See "Connection of Prop. to Ex. Sewer", Sh. 5
 - 3) Replace Existing house connections from proposed main sewer to property line, where existing main sewer is demolished or abandoned.
 - 4) 'Y' indicates 8"x6" wye @ main sewer with 6" house connection to it.

PLANS & PROFILES LINES C-3B, Gx-II & RWT-15A DIV. 2A, CONT. NO. 3, PROJ. NO. 3, SERIES D Sanitary Sewer Construction Alley 5 of Lemon St to Alley N of Lemon St " S. of Pine " " N. of Pine " " N. of St. Conrad " " St. Louis "	
DES. C.T. DR. C.T. CK'D: ASC DATE FEB. 62	SHEET <div style="text-align: center;"> SCALE: 1" = 50' ± 8.4 3 OF 6 </div>



PLAN



PROFILE

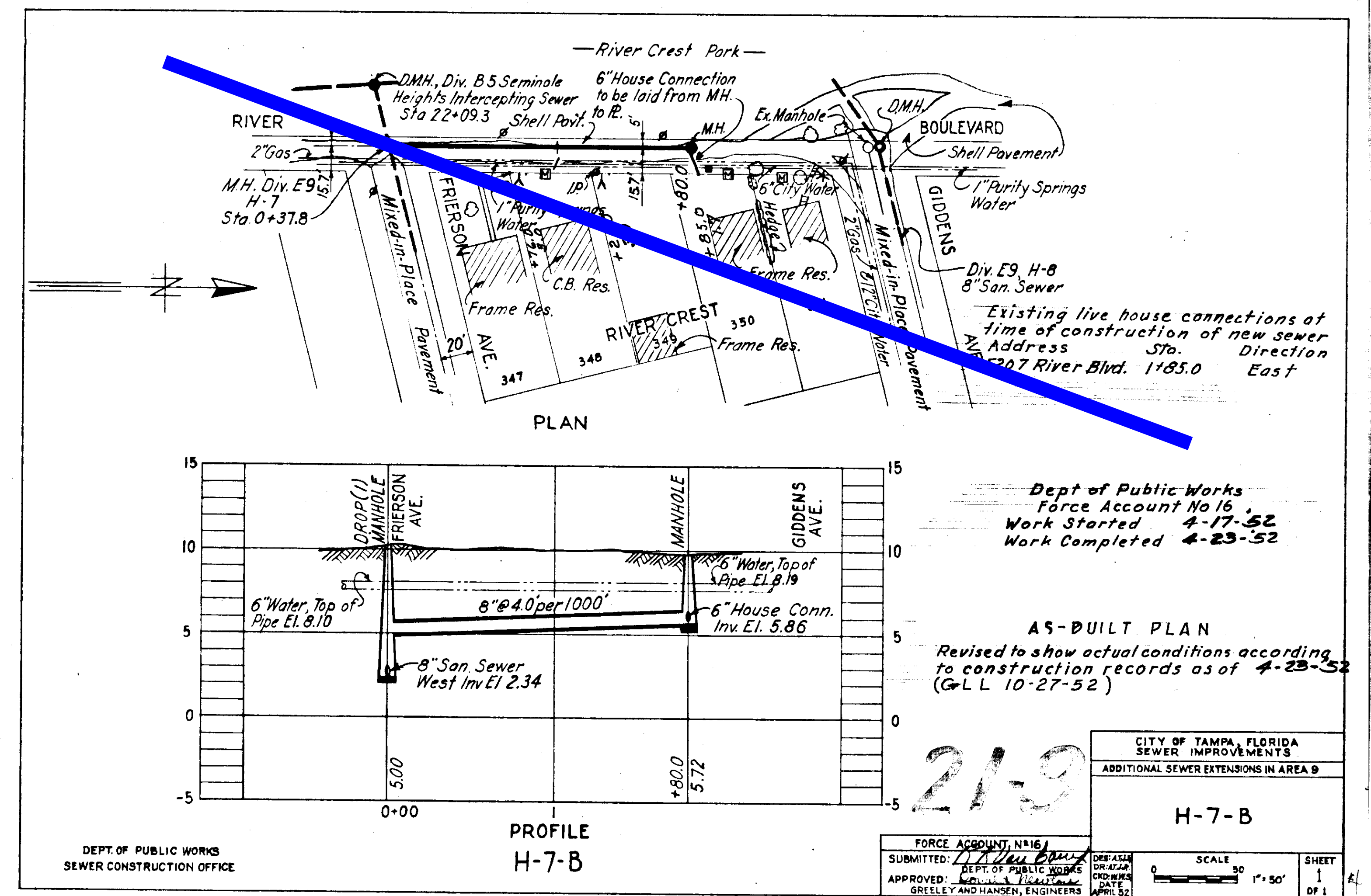
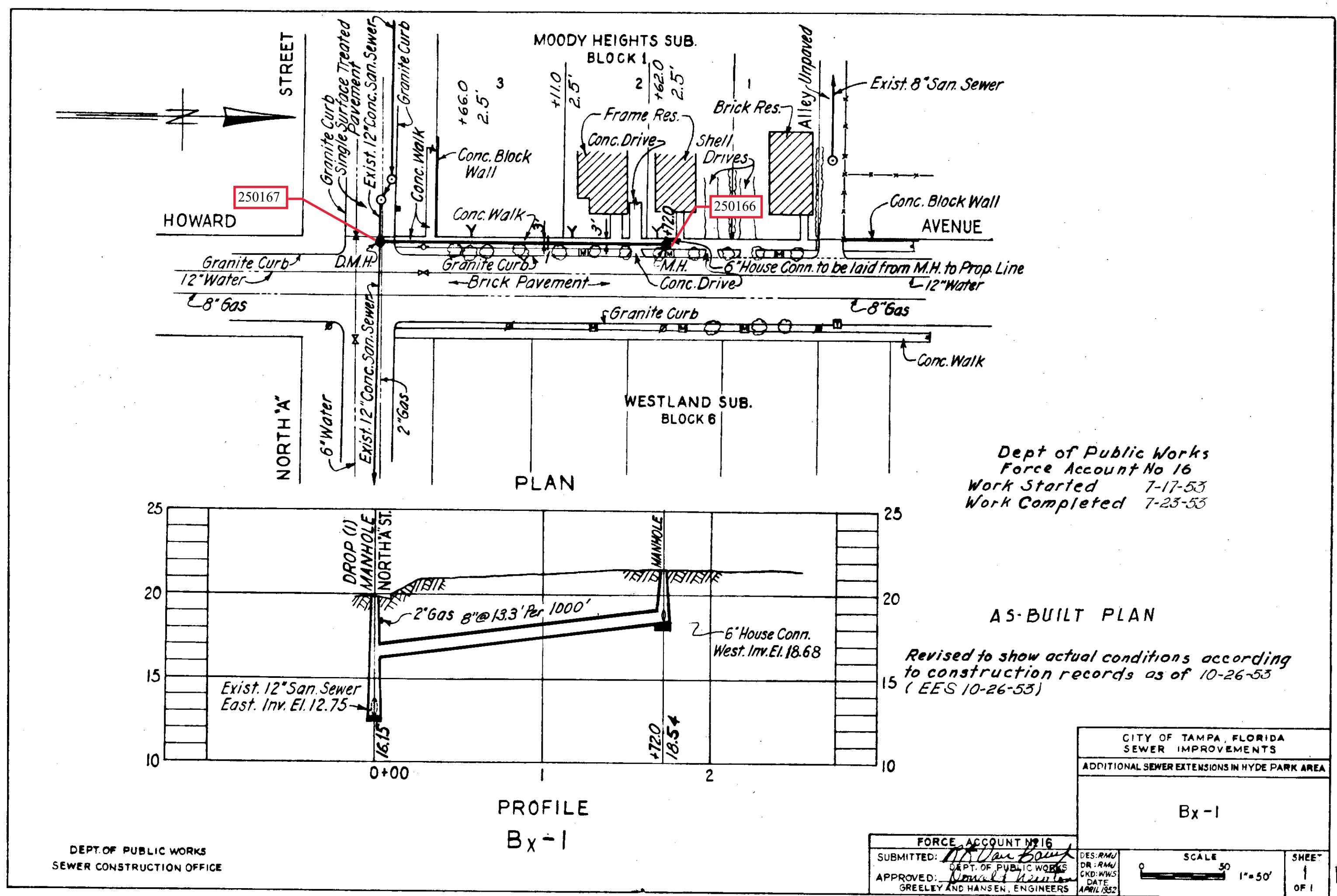
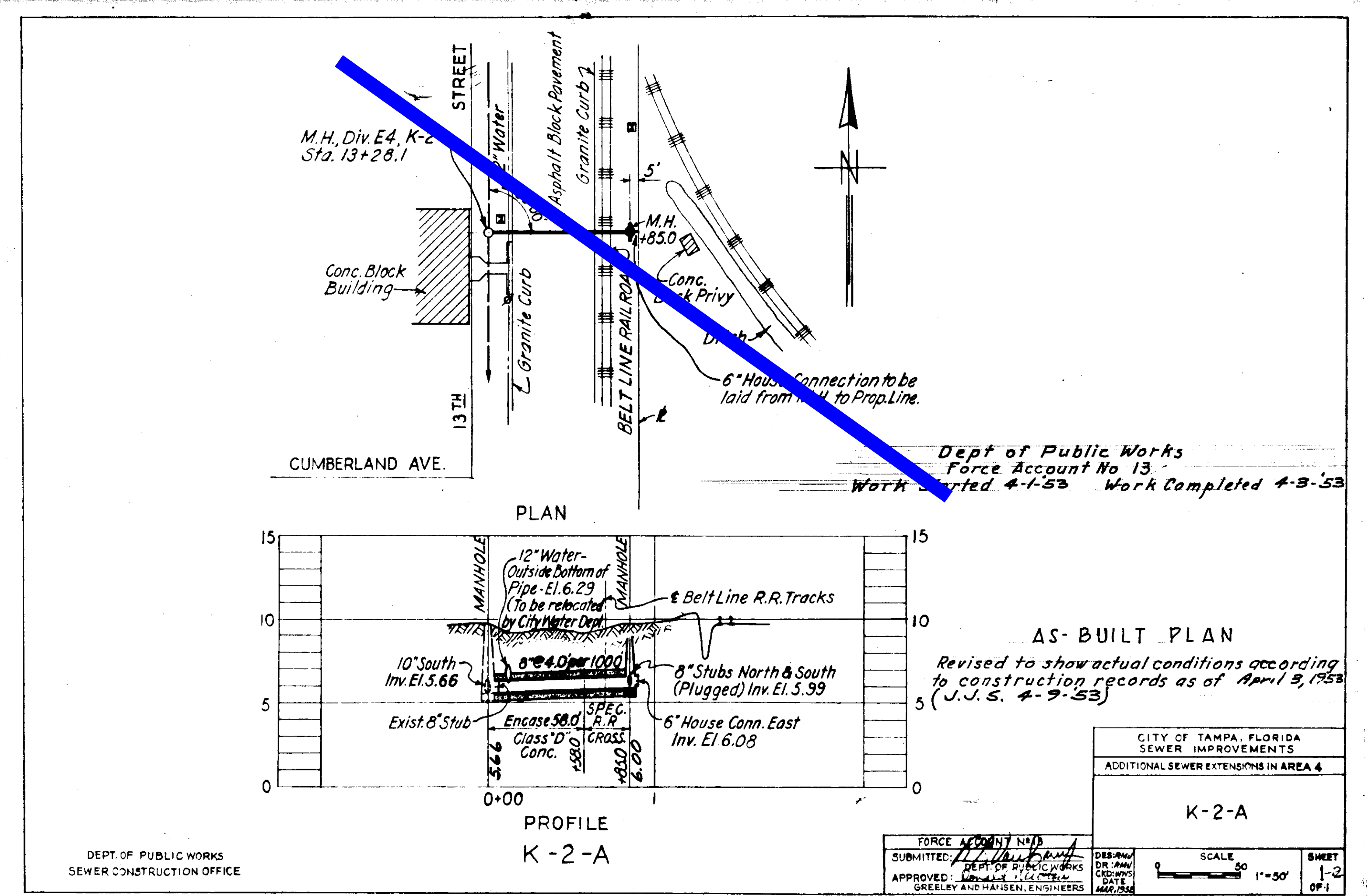
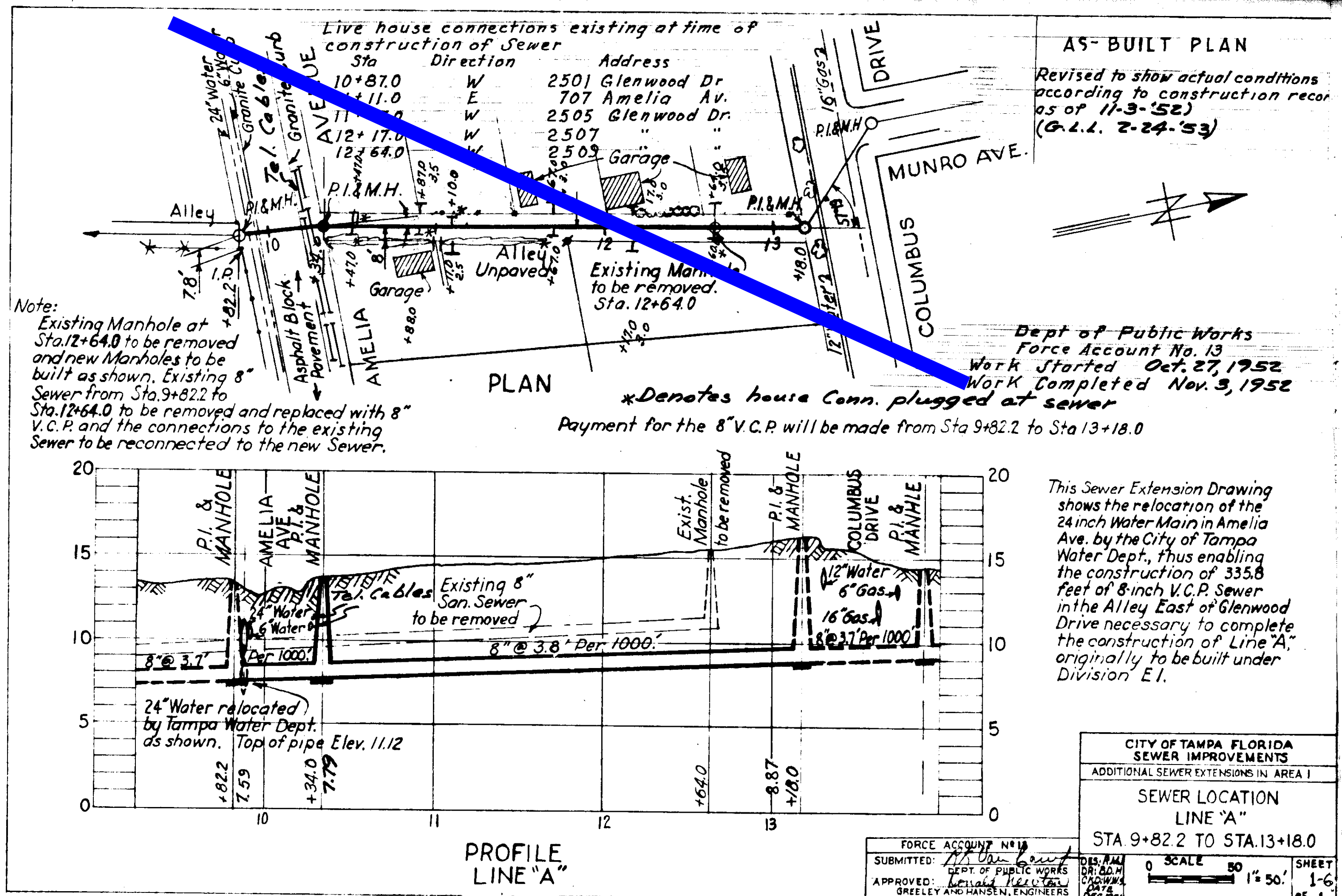
- Notes:
- 1) Line affluent from West to East San. Manhole @ Howard Avenue & Alley North of Green Street to be extended West 150' from a point 400' West of aforementioned Manhole @ slope to suit existing house connections and ground elevations. This temporary 6" VCP service connection to be constructed by Bureau of Sanitary Sewers personnel.
 - 2) Exist. 8" San. to be abandoned from Alley North of Green Street to Exist. Manhole @ Alley South of Laurel Street.
 - 3) Replace existing house connections from proposed main sewer to property line, where existing main sewer is demolished or abandoned.
 - 4) Y indicates 8" x 6" wye @ main sewer with 6" house connection to it.

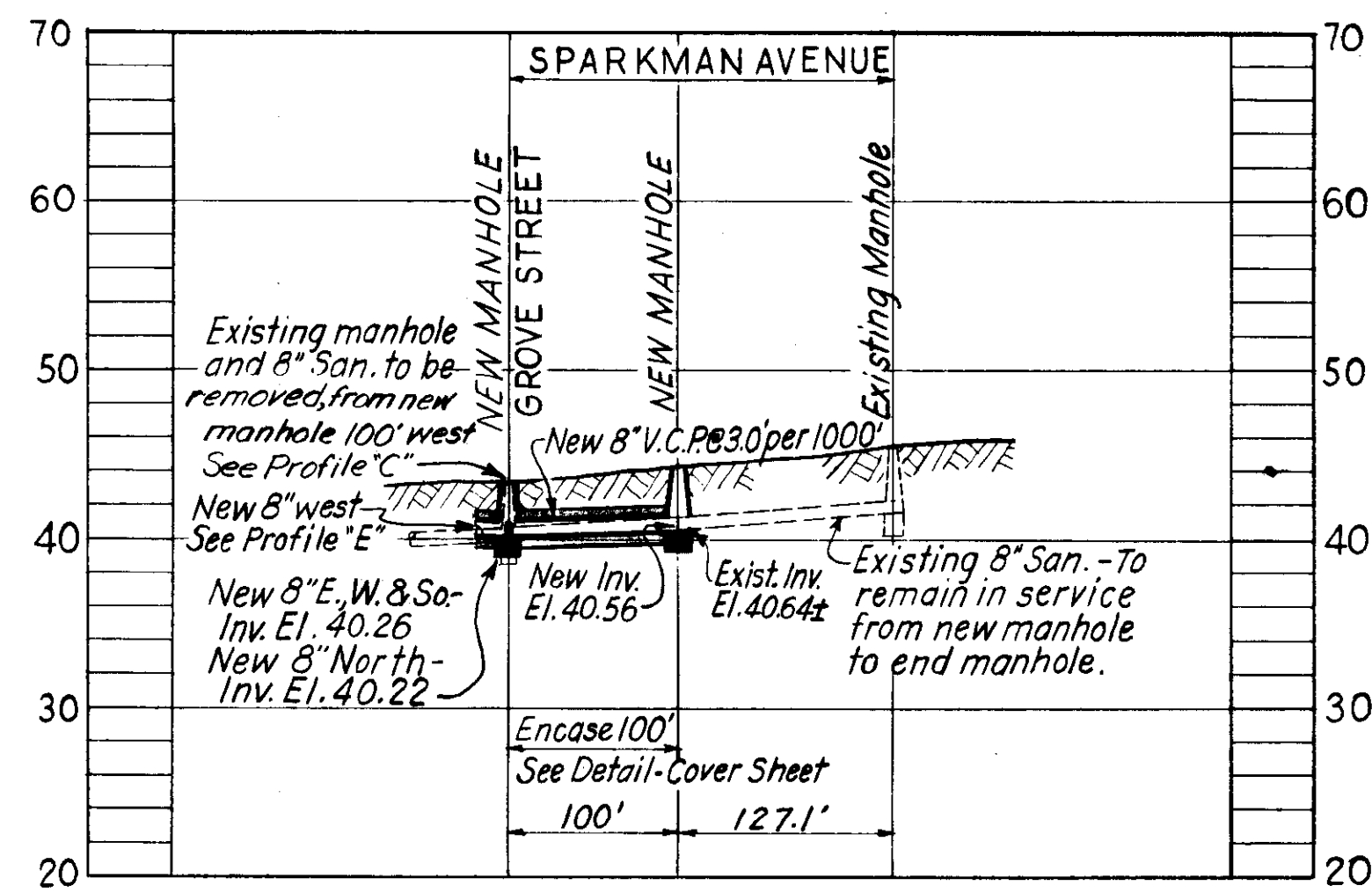
PLAN & PROFILE
LINE RWT-13
DIV. 2-A, CONT. NO. 3, PROJ. NO. 3 - SERIES D
Sanitary Sewer Construction
Alley N. of Green St. to Spruce St.

DES. CT
DR. HK.
CHKD. ASC
DATE
FEB. 62

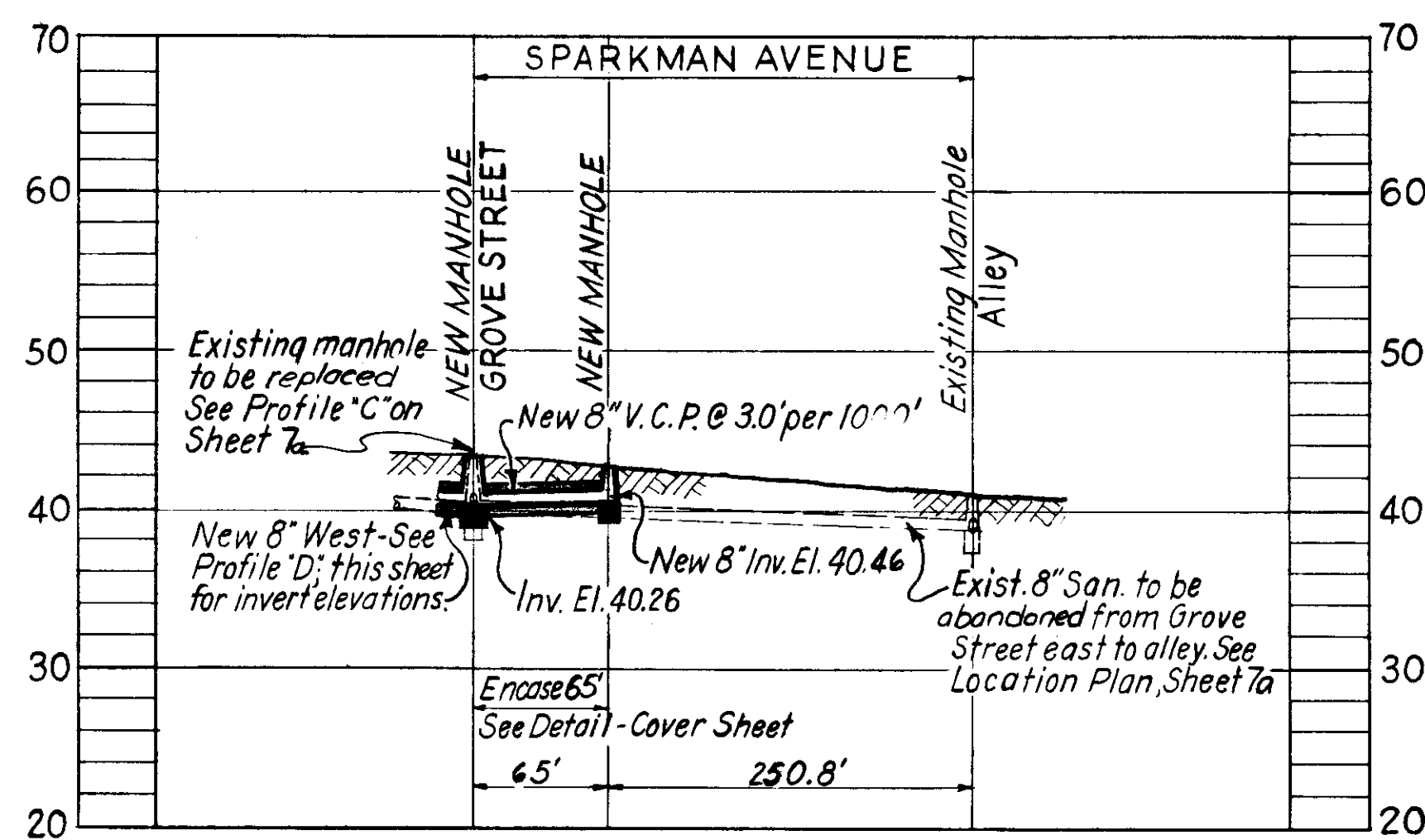
SCALE: 1"=50' & 5'

SHEET
4
OF 6

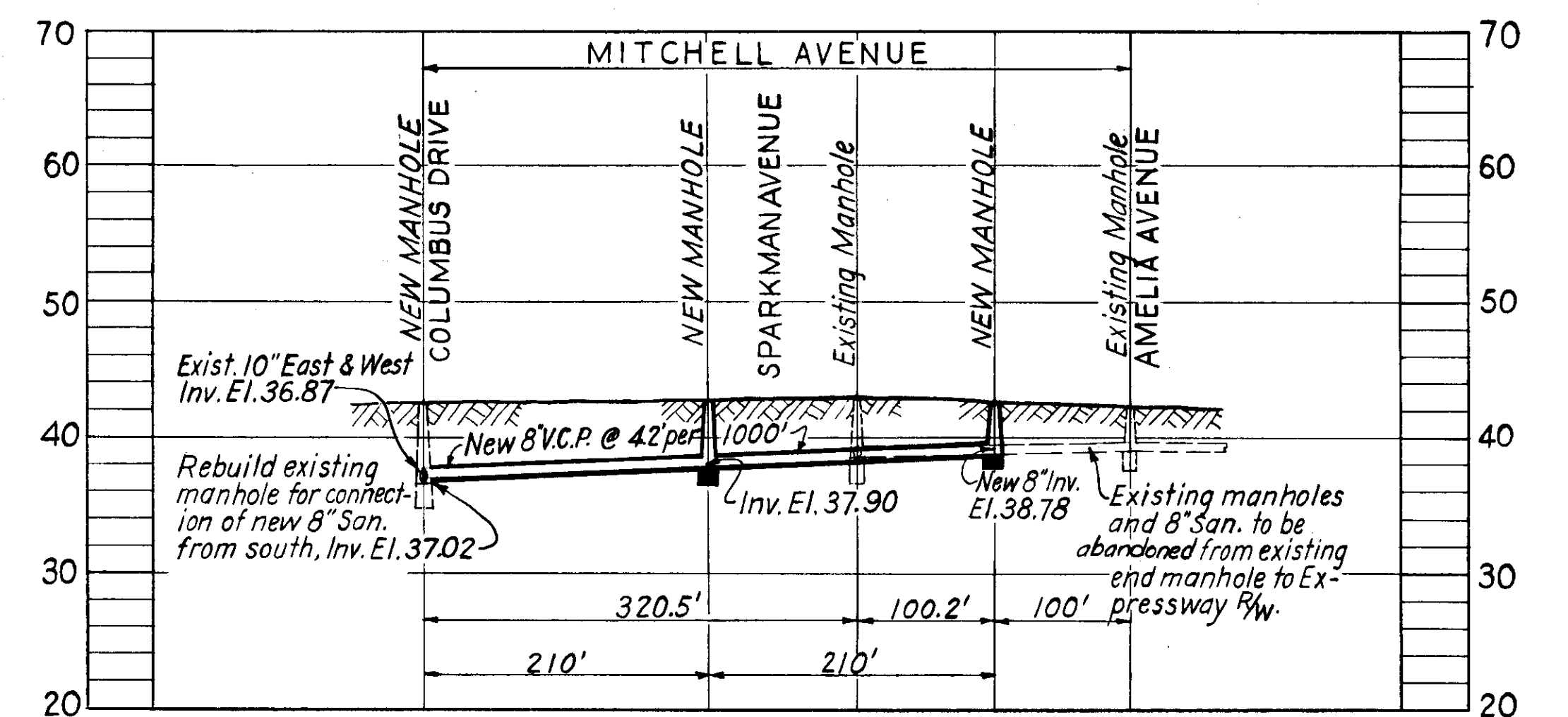




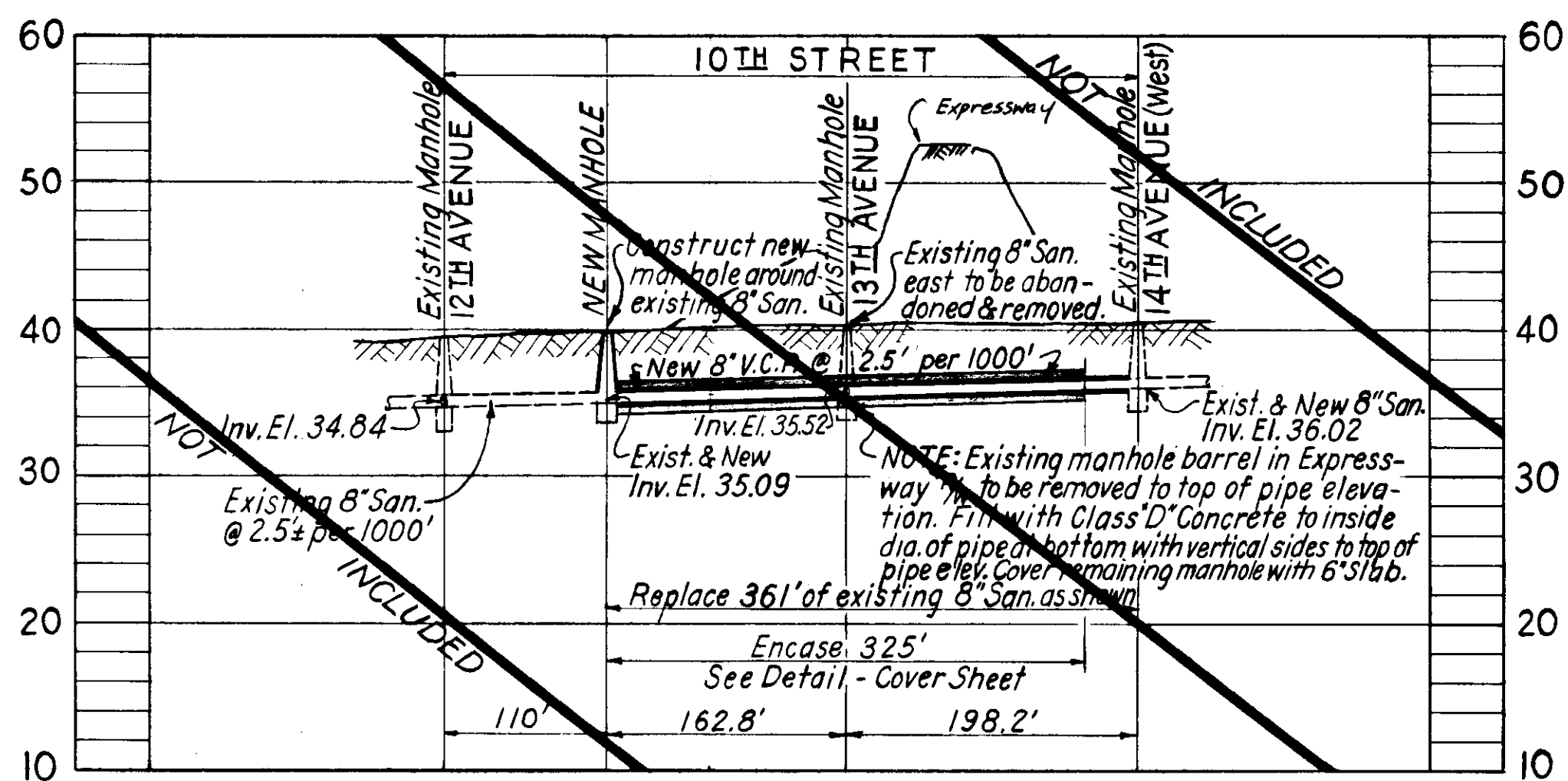
PROFILE "D"



PROFILE "E"



PROFILE "F"



PROFILE "G"

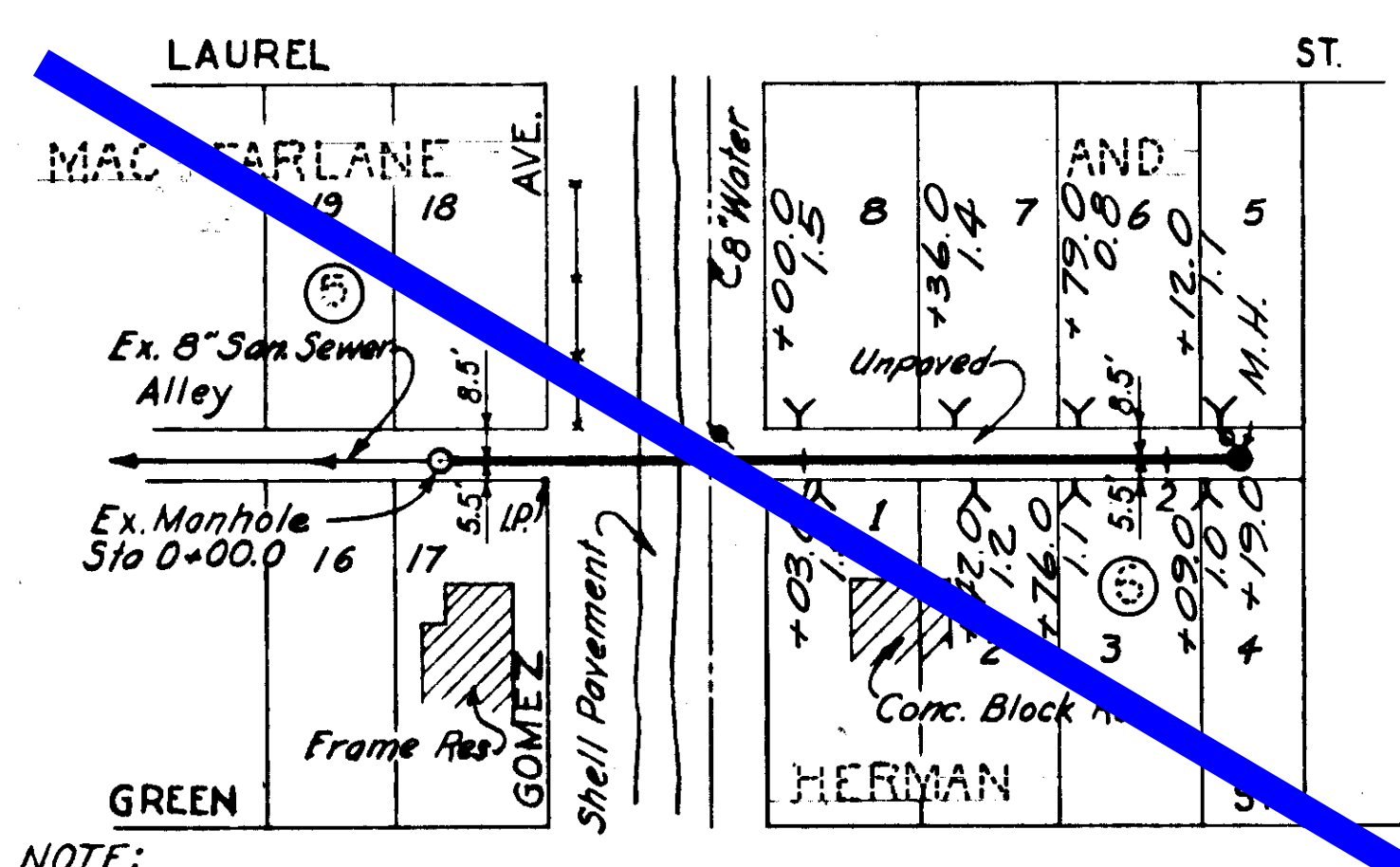
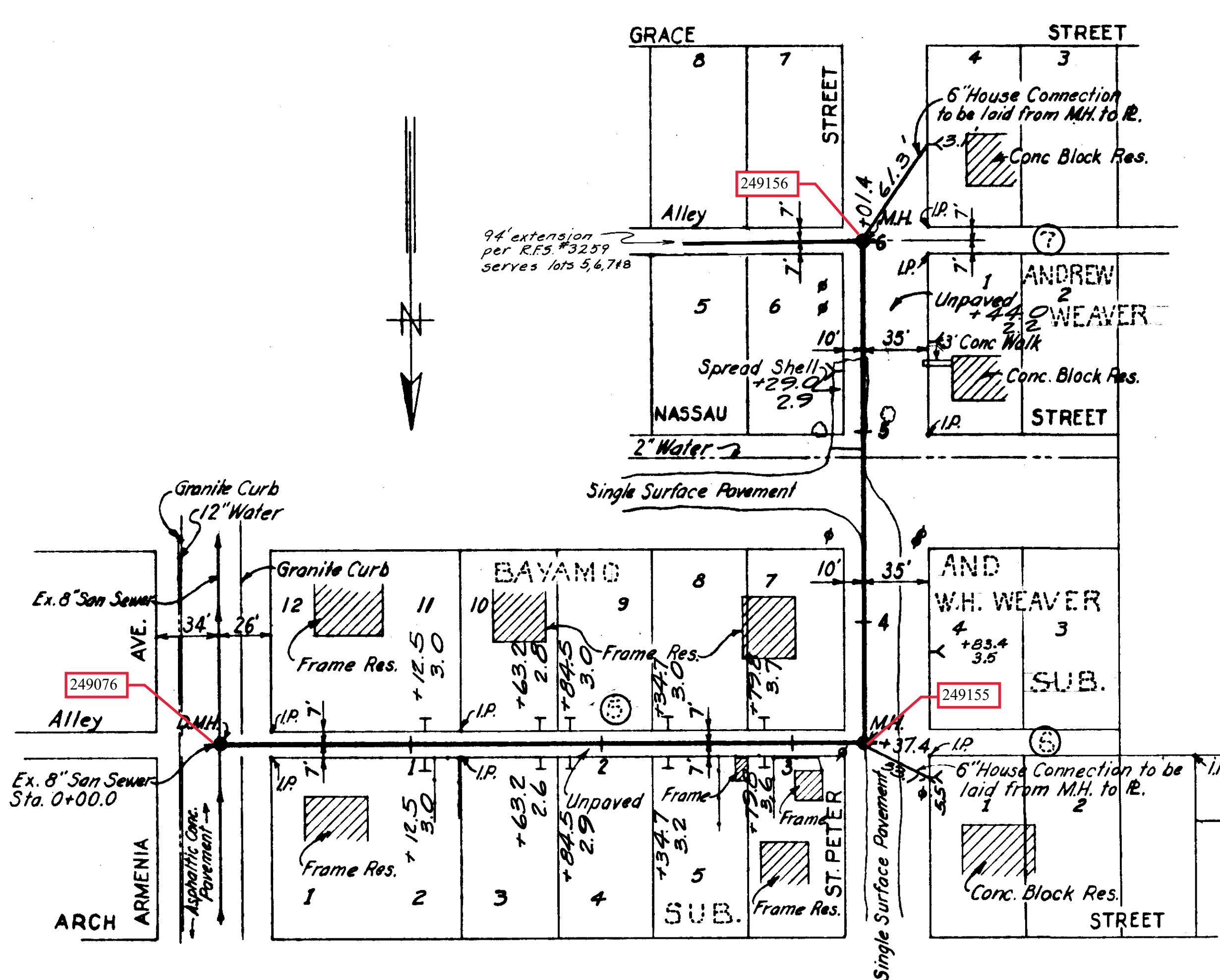
NOTES

1. See Cover Sheet for General Notes and Encasement Detail.
2. This section comes under Bureau of Sanitary Sewers Work Order No 1142 (d)
3. See Sheet 7a for Location Plan and other profiles.

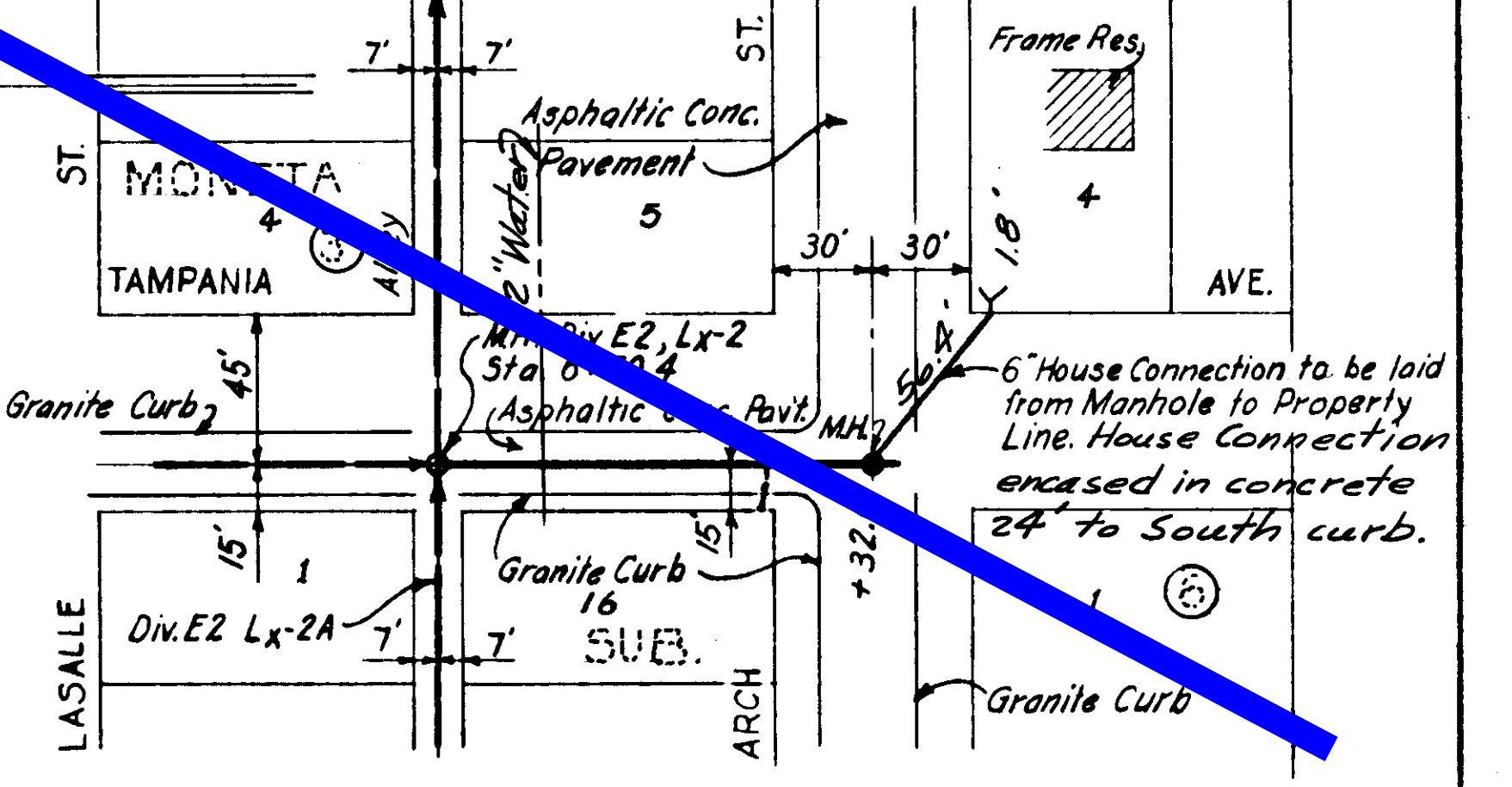
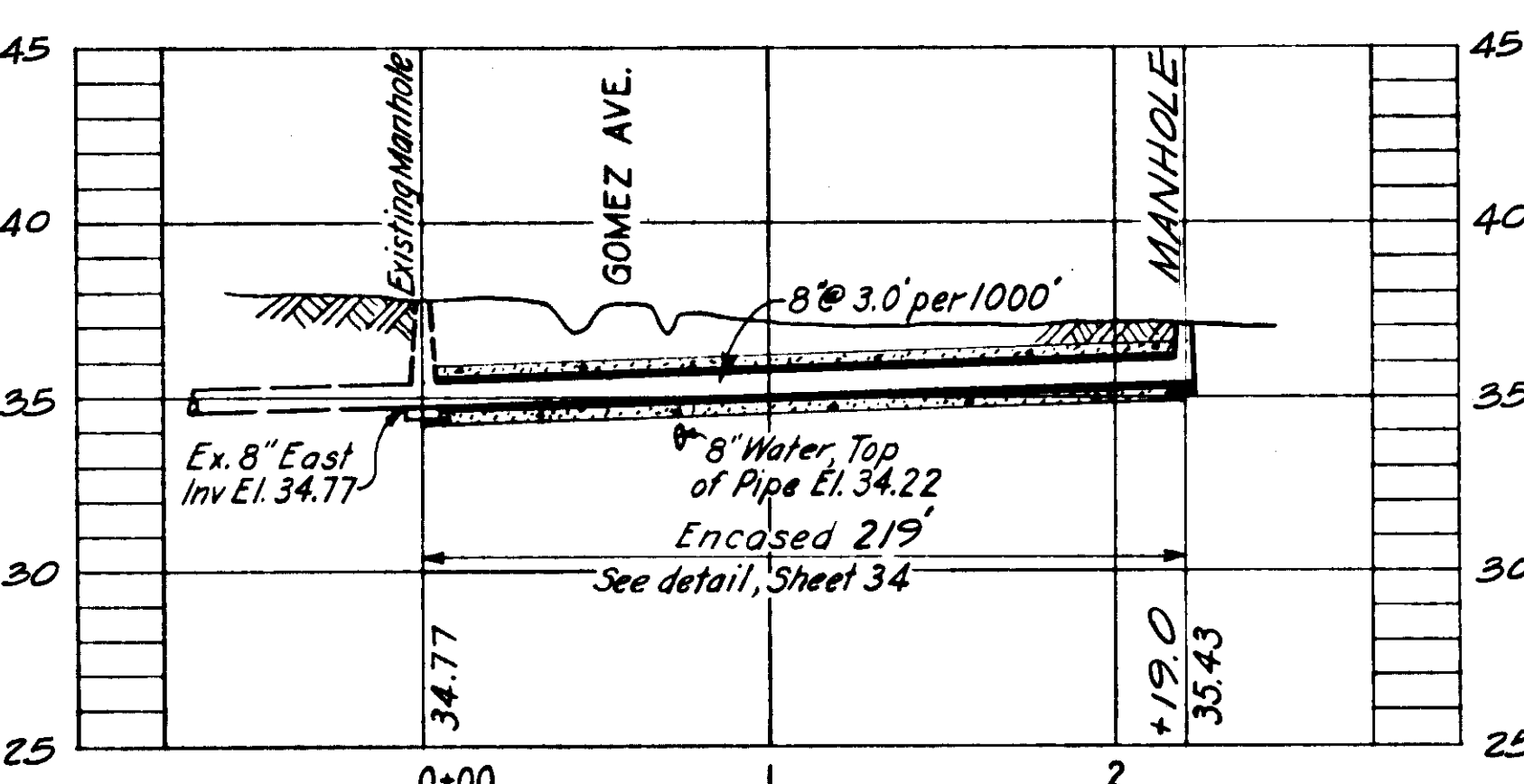
CITY OF TAMPA, FLORIDA BUREAU OF SANITARY SEWERS		
MODIFICATIONS DUE TO EXPRESSWAY SYSTEM		
OAK AVE. NORTH TO COLUMBUS DRIVE & EAST TO NEBRASKA AVE. IN CONJUNCTION WITH S.R.D. PROJECT NO 10190 - 3427		
DES: R.M.J. DR: R.M.J. CKD: C.M.T. DATE Nov., 1962	SCALES LOCATION PLAN: 1" = 200' PROFILES: Horiz: 1" = 100' VERT: 1" = 10'	SHEET 8 OF 14

EX. F.A. #4

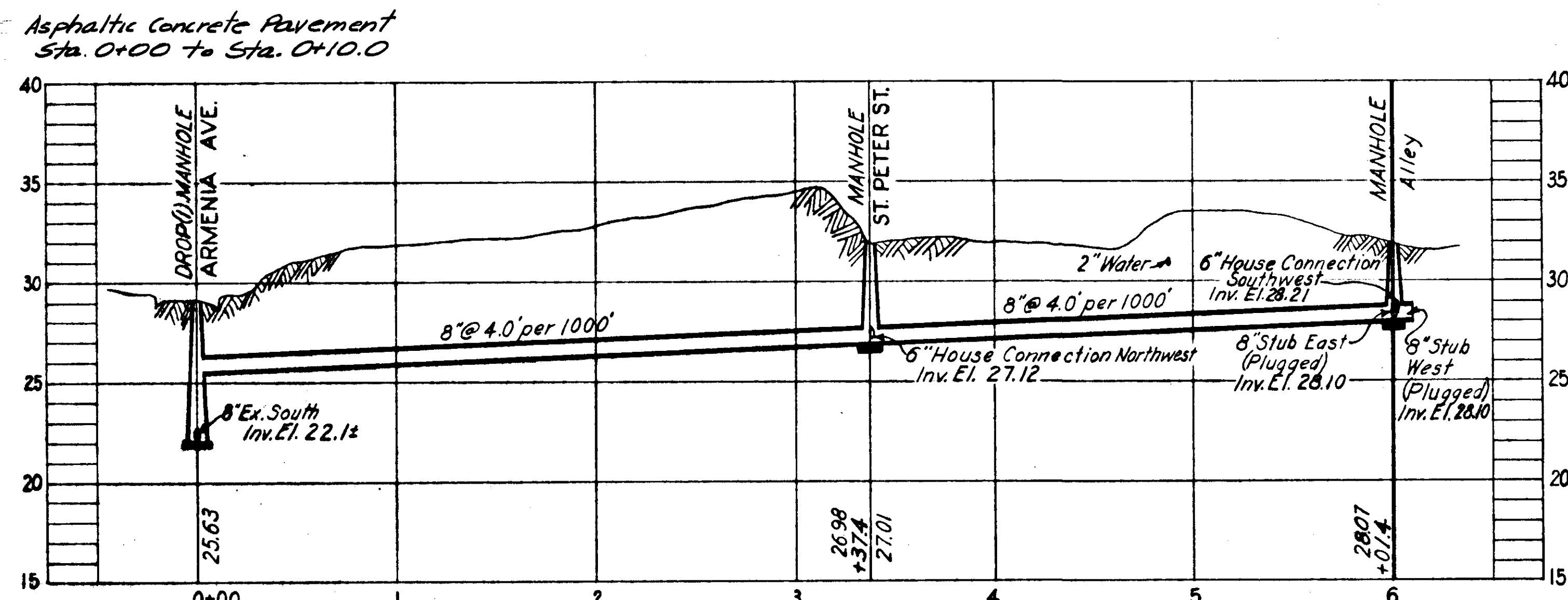
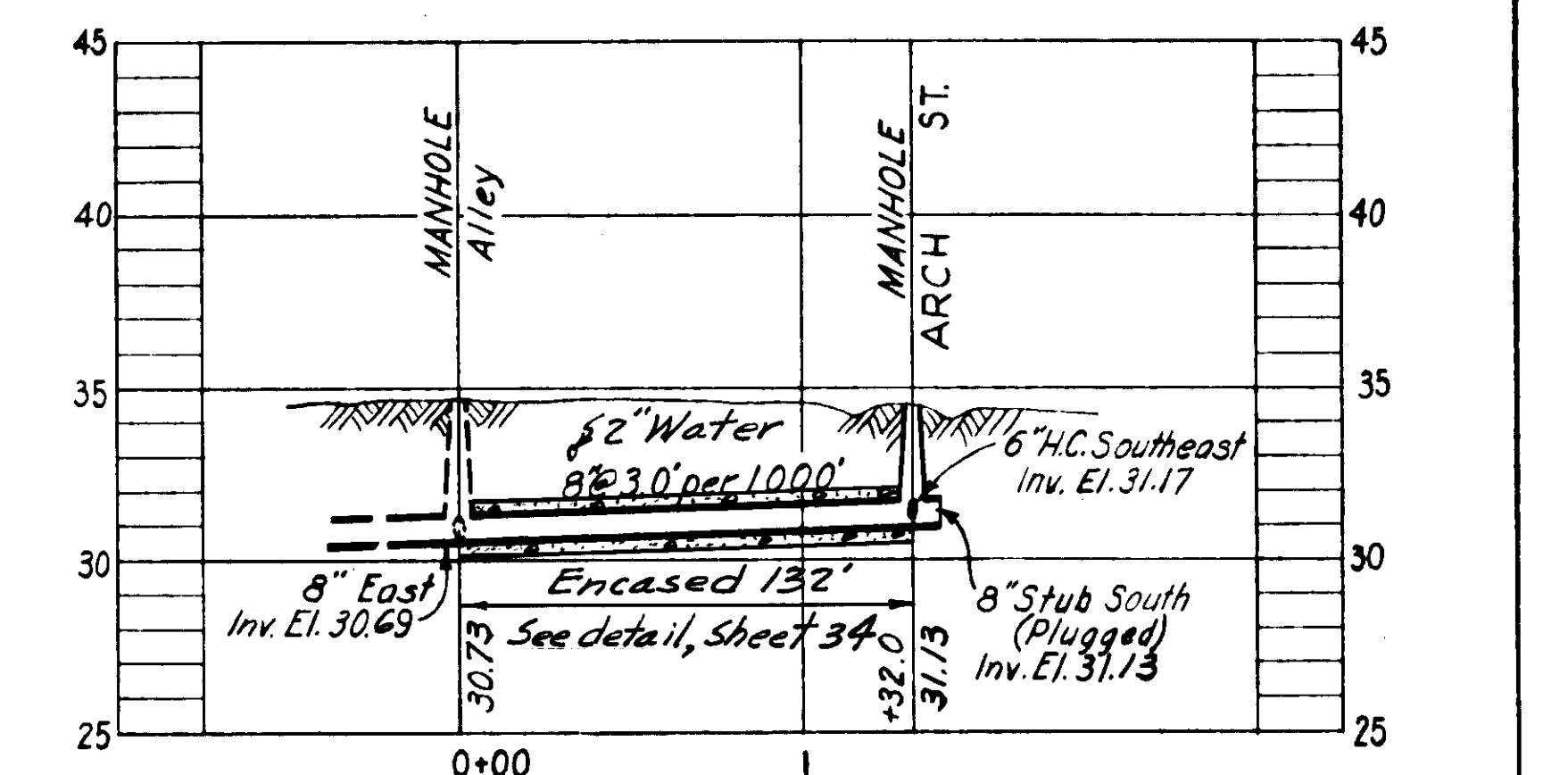
22-21



NOTE:
House Connections between Sta. 0+00 & Sta. 2+20 to be encased to properly lines with Class "D" concrete.



Asphaltic Concrete Pavement Sta. 0+00 to Sta. 1+32 & 15' for House Conn.



SEWER LINE LOCATION
SEC. MAP No. LINE No.
H-10-61

SEWER LINE LOCATION
SEC. MAP No. LINE No.
H-10-62

See file No 22-18

SEWER LINE LOCATION
SEC. MAP No. LINE No.
H-10-63

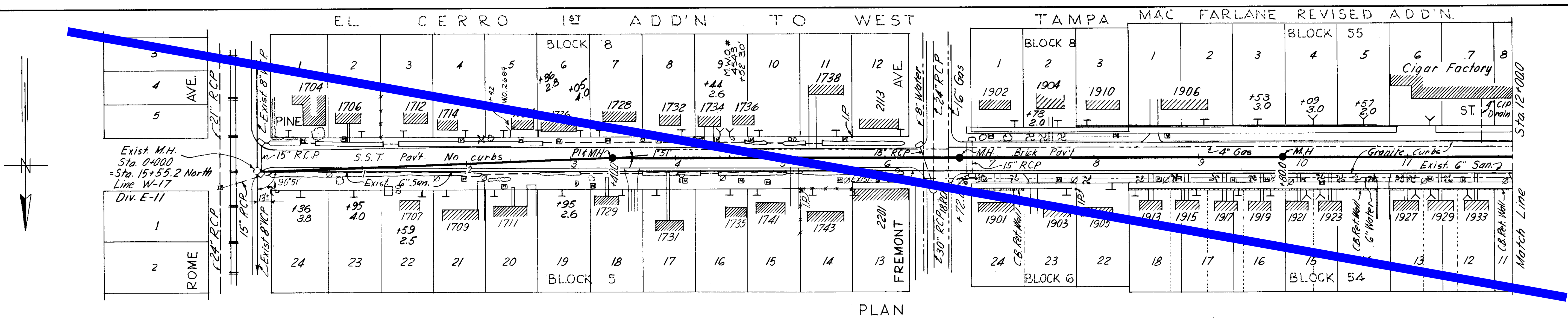
DEPT. OF PUBLIC WORKS
SEWER CONSTRUCTION OFFICE

AS-BUILT PLAN
Revised to show actual conditions according to construction records as of 3-16-53
(J.I.S. 3-5-53)

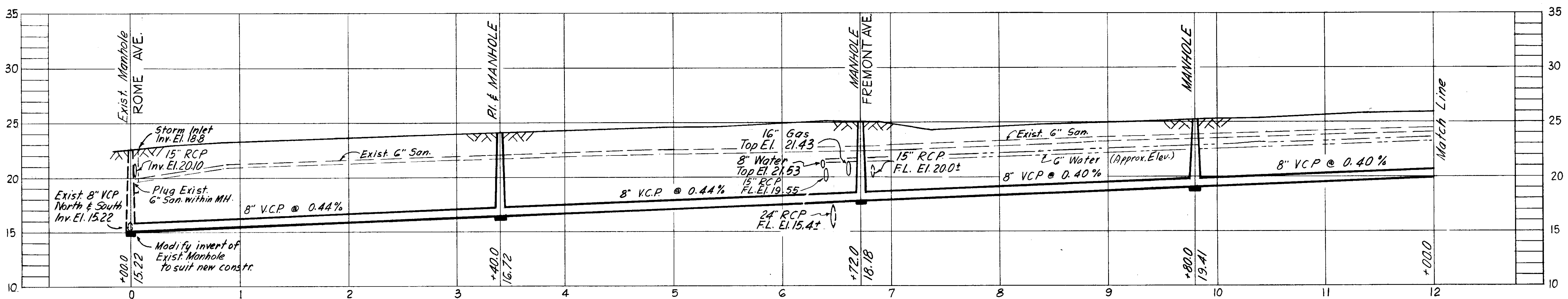
CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
ADDITIONAL SEWER EXTENSIONS IN AREA 2

Lx-2-B, Lx-5, & Lx-7

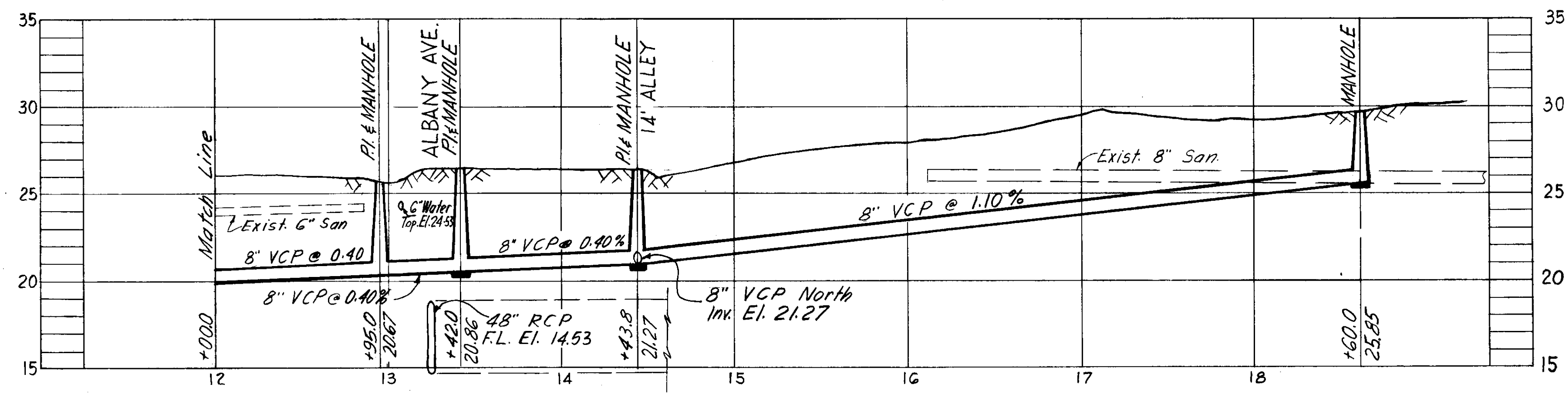
DES: J.W.H.
DR: A.T.J.K.
CKD: W.W.S.
DATE DEC. 1951
SCALE 1" = 50'
SHEET 13 OF 35



PLAN



PROFILE
W.O. 1666 A
H-11-47

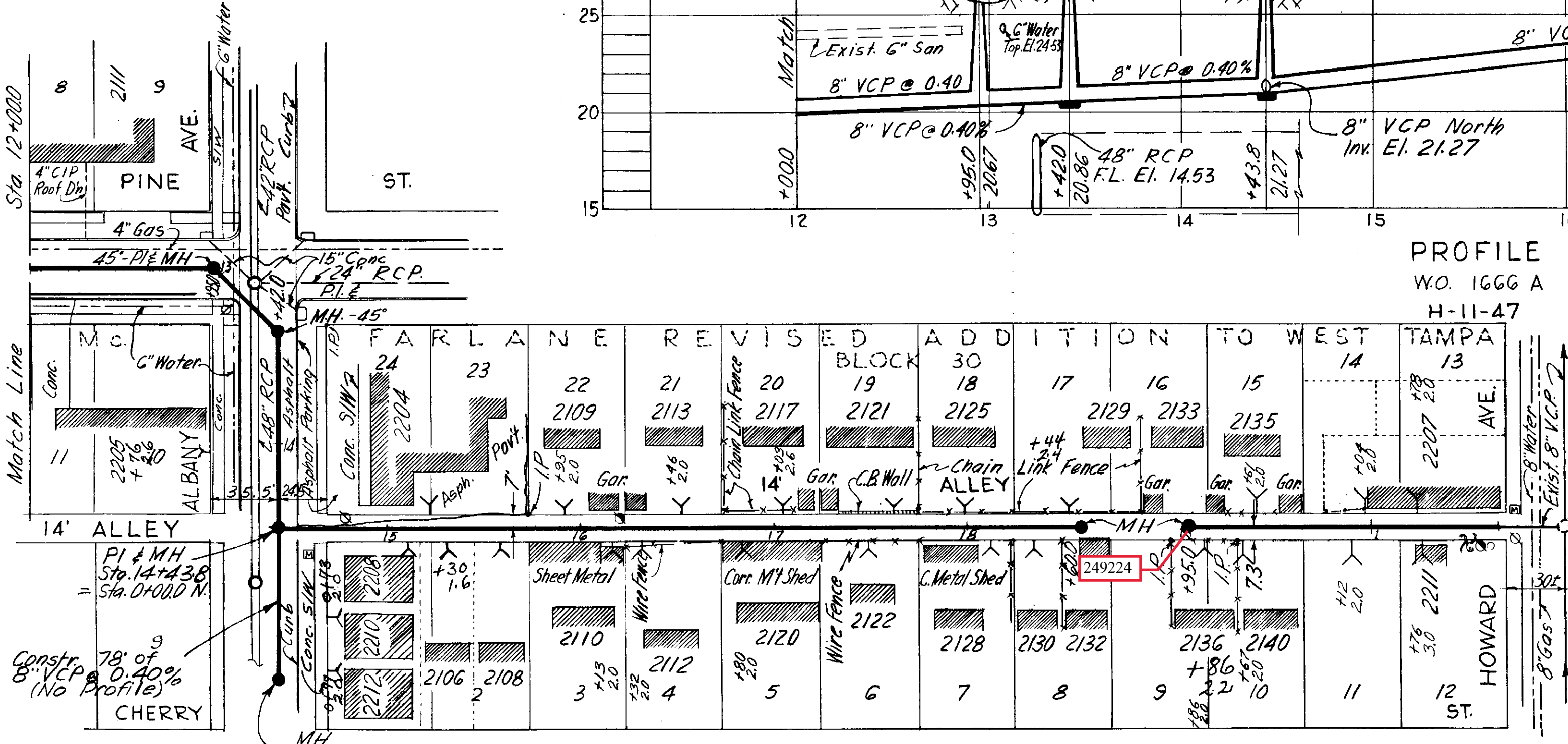


PROFILE
W.O. 1666 A
H-11-47

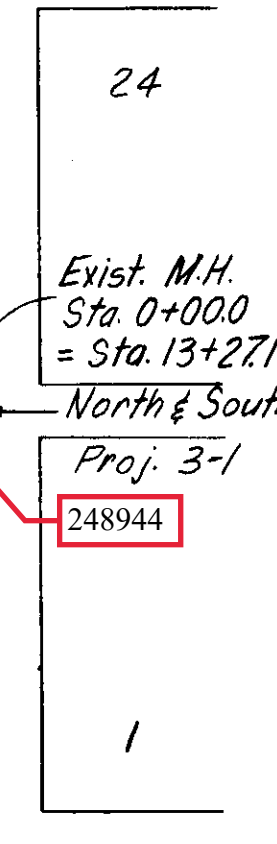
- NOTES:
1. Exist. & new house connections shall be replaced from main sewer to R/W line with 6" V.C.P. @ minimum 1% Slope.
 2. Datum: T.B.M. Elev. 26.375 Top of curb @ N.E. corner of Alley N. of Pine St. & Albany Ave.

Revision: July 13, 1966
Added 78' of 8" V.C.P. N. from M.H. Sta. 14+43.8 @ 0.40 Slope

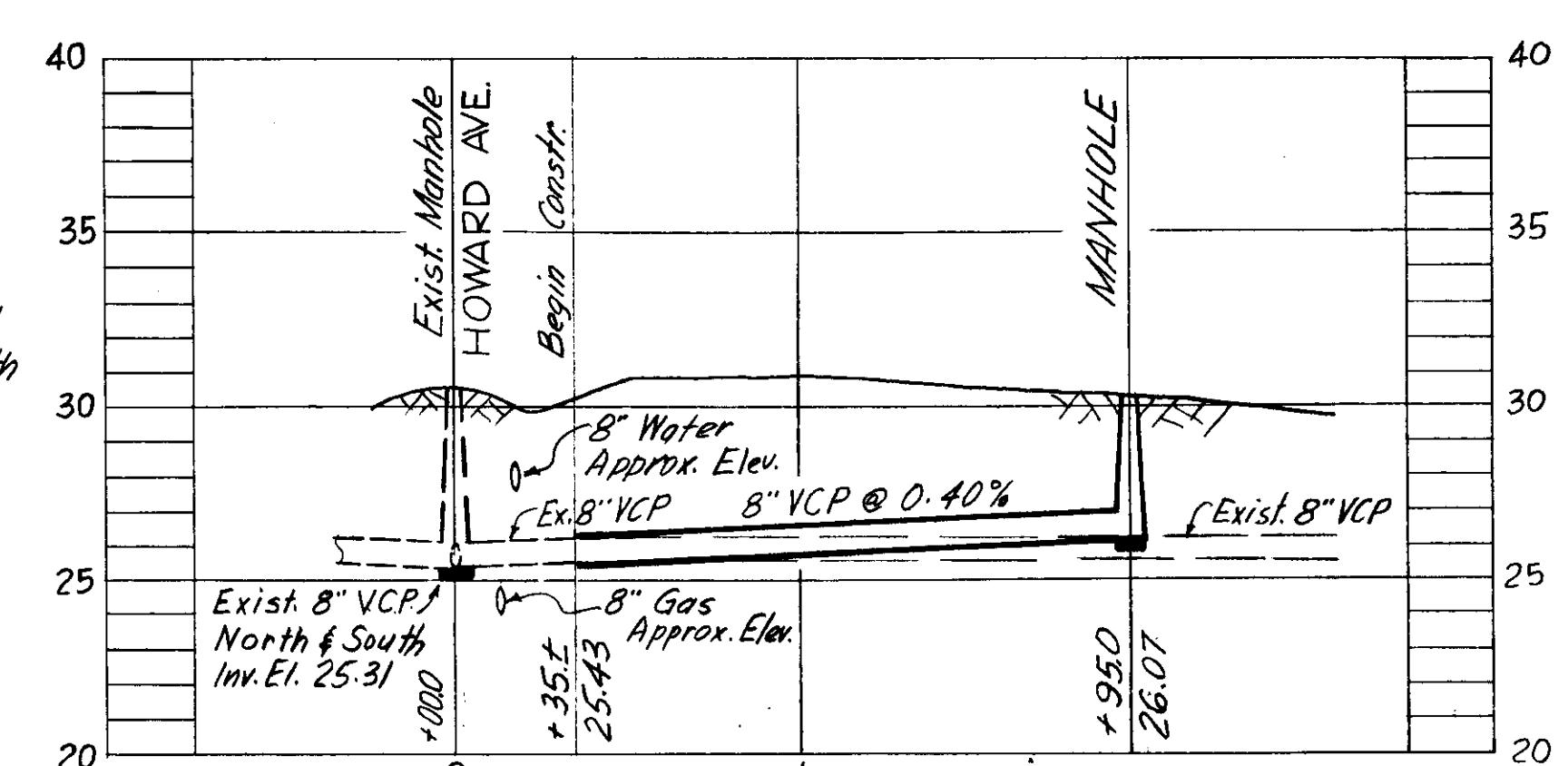
SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
H - 11	47
H - 12	48



PLAN
W.O. 1666 A



PLAN
W.O. 1666 B



W.O. 1666 B PROFILE H-11-48

R & R 52 W.O. 1666 A & B

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

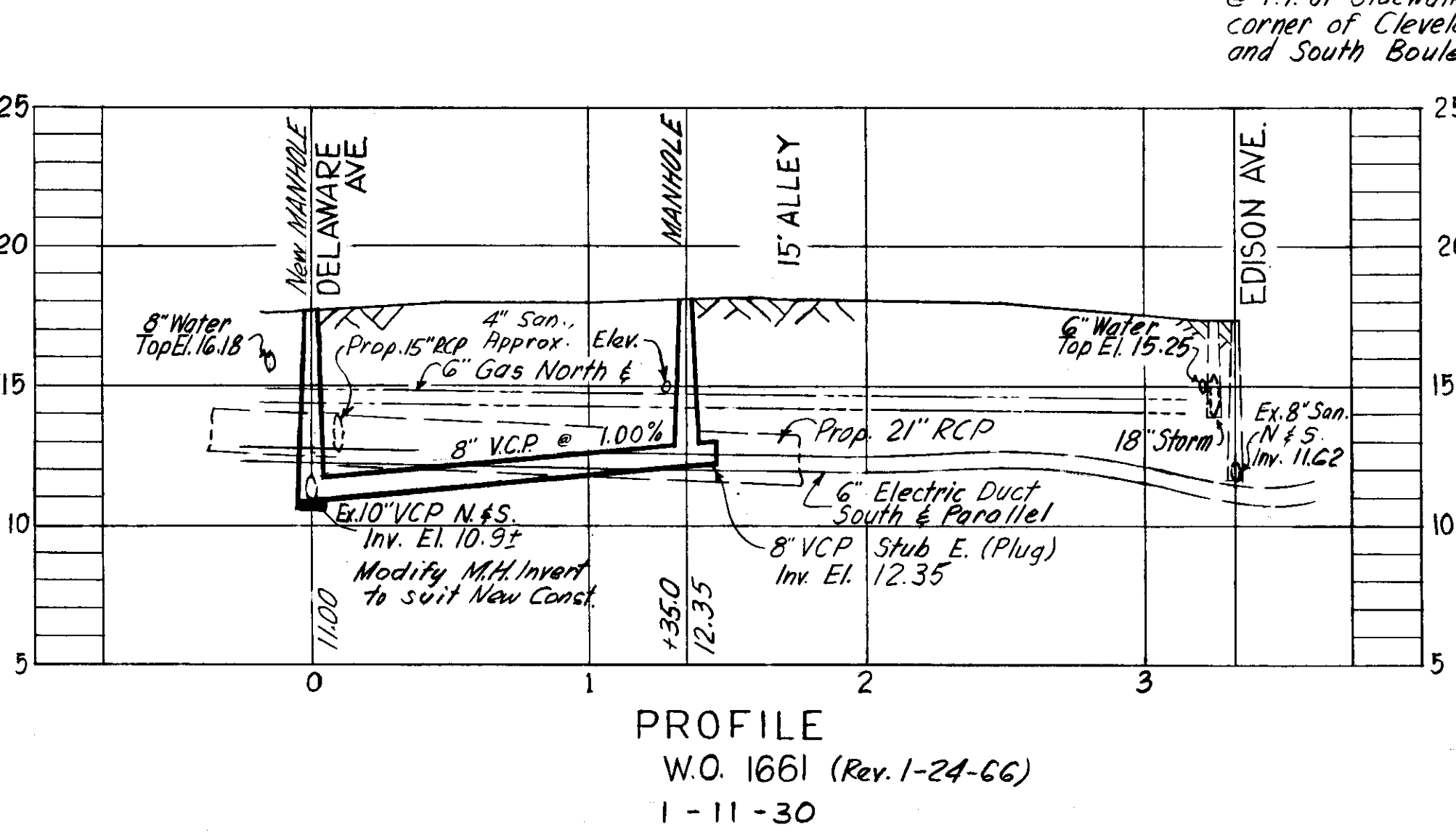
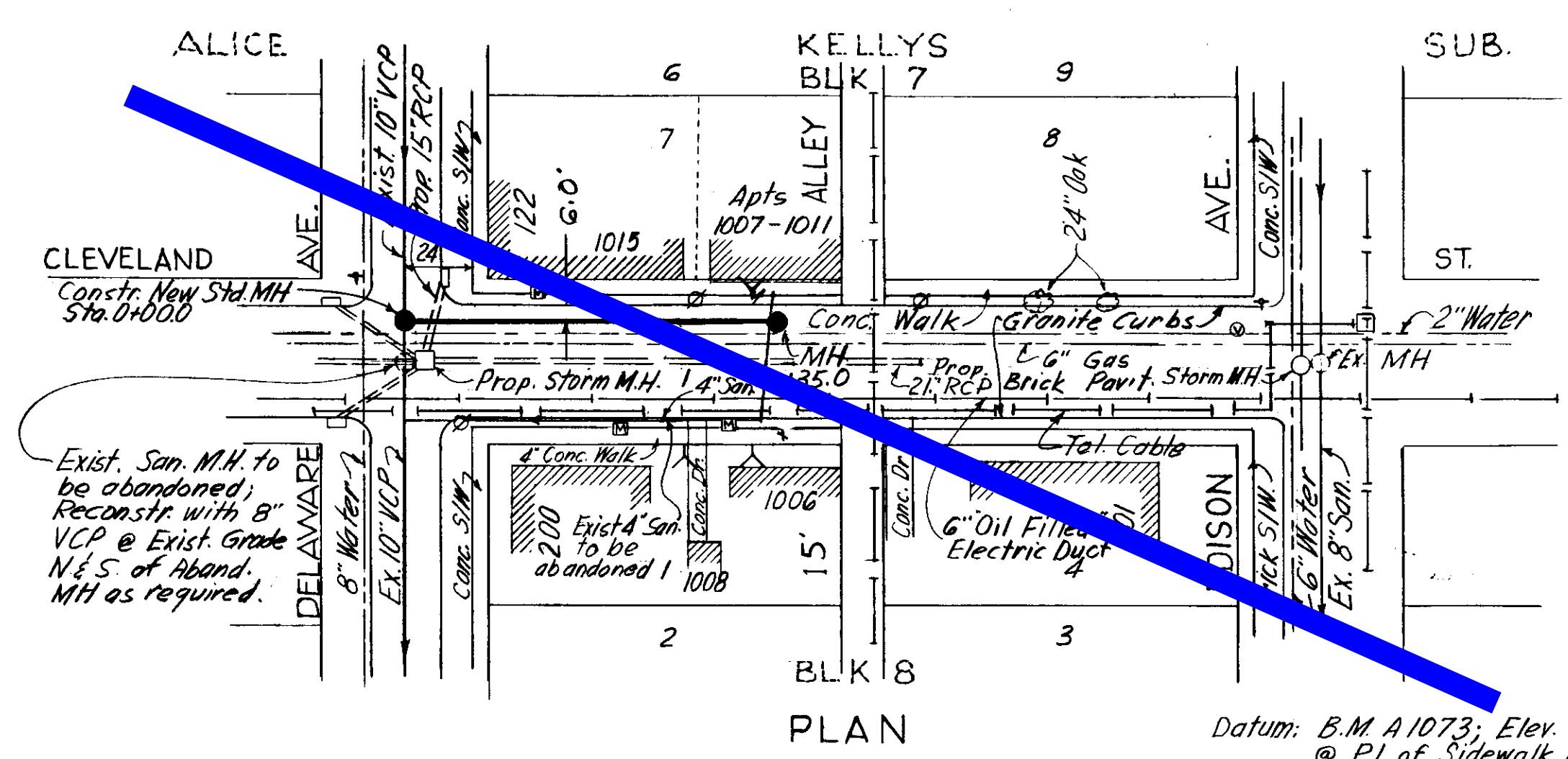
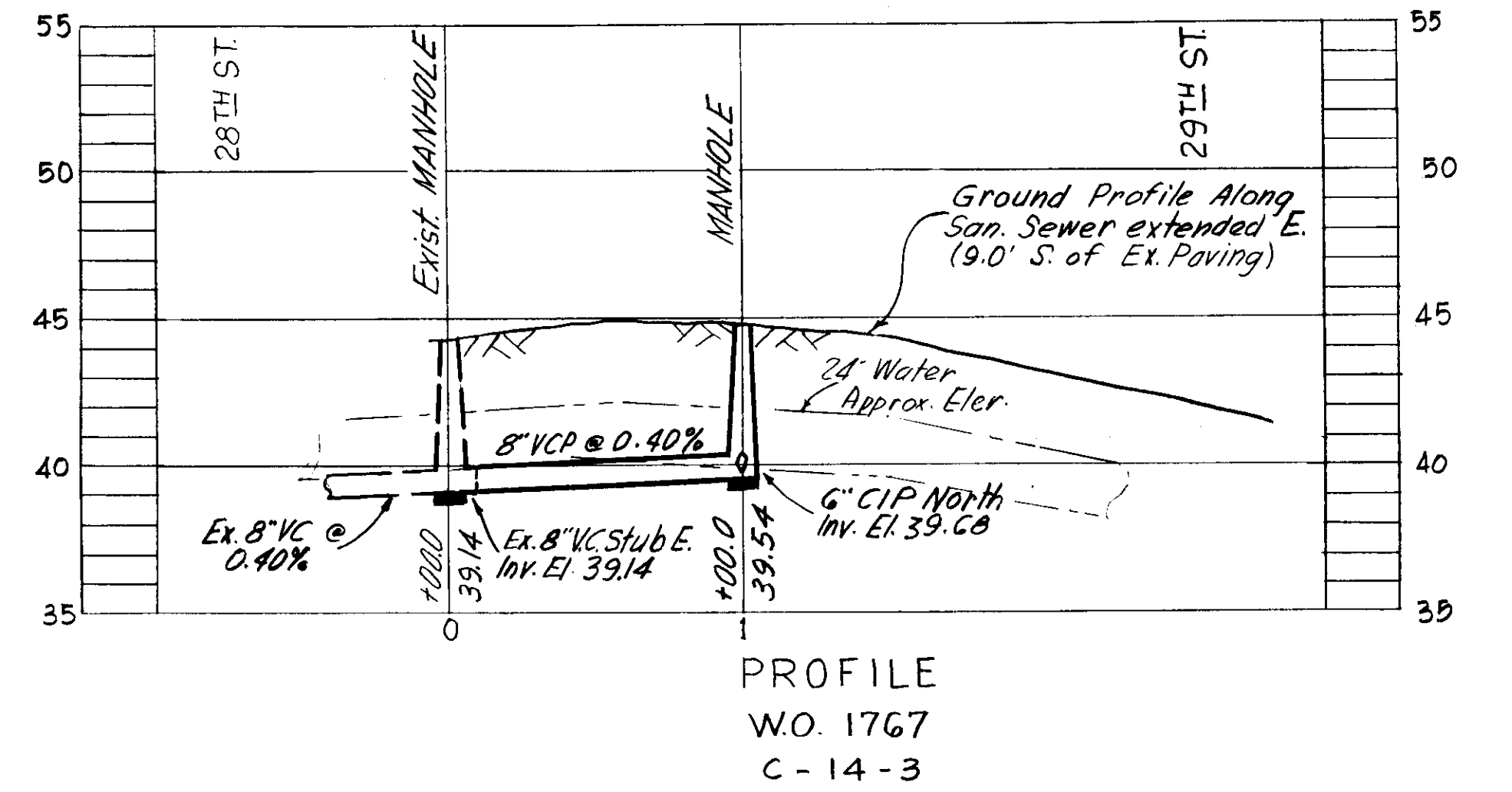
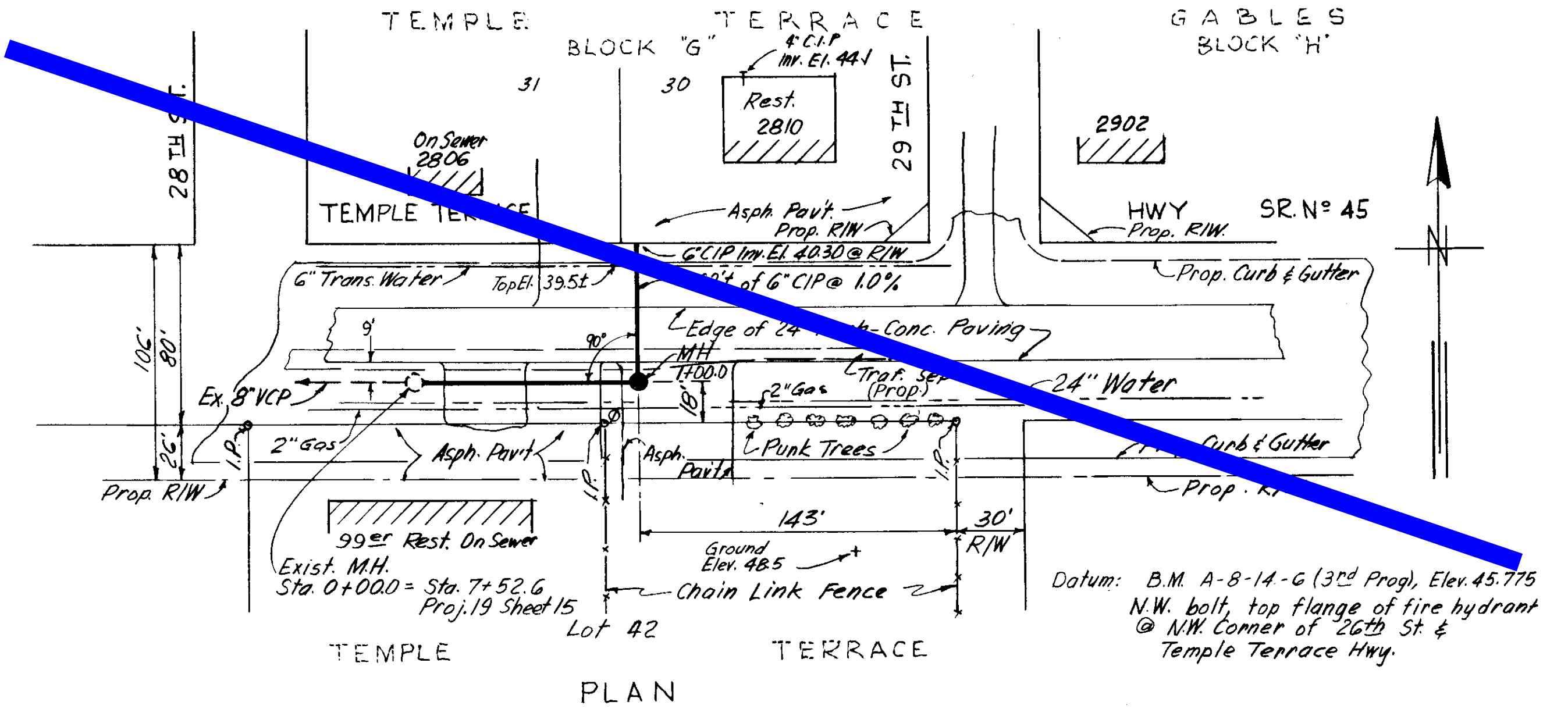
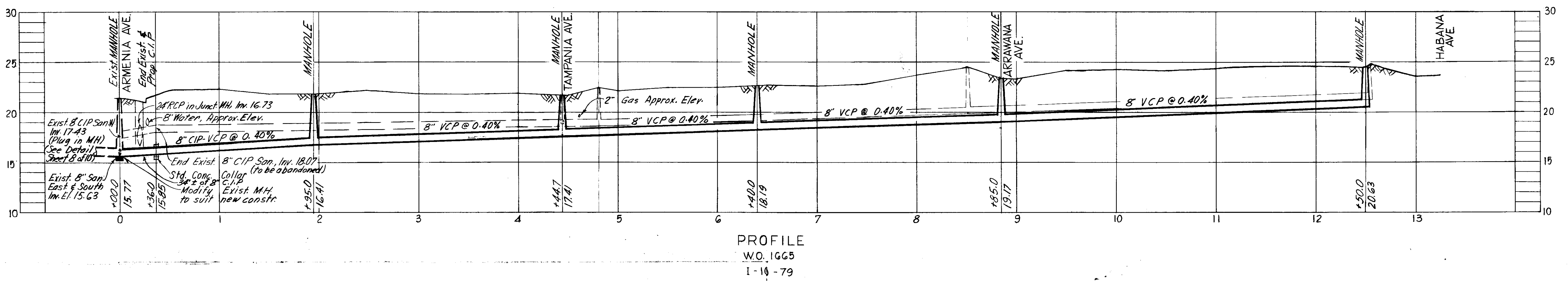
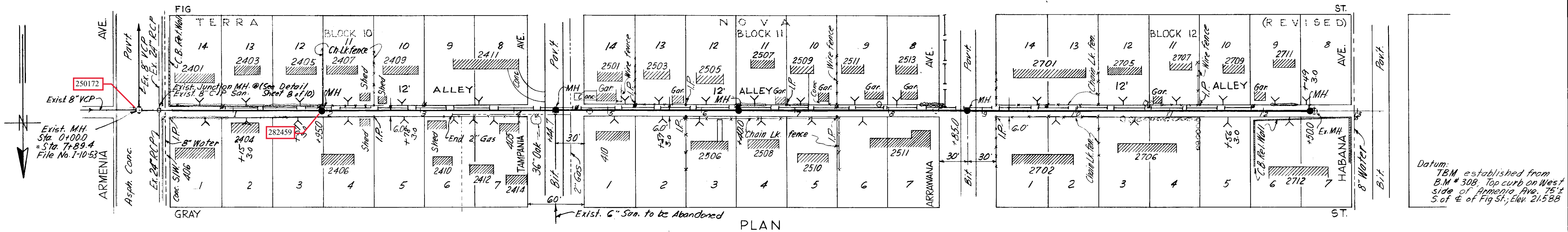
PINE ST.-ALBANY AVE.: Rome Ave. to Alley N. of Pine St.
ALLEY N. of PINE ST.: Albany Ave. to the West
ALLEY N. of PINE ST.: Howard Ave. to E. 195'

DES: J.M.R.
DRN: J.M.R.
CKD: C.M.T.
DATE: JULY 1965

SCALE: 1" = 50'

Drainage Subdistrict A-5

SHEET 7 OF 9



SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
1-10	79
C-14	3
1-11	30

R & R 53 W.O. 1661, 1665 & 1767

CITY OF TAMPA, FLORIDA

RENEWAL & REPLACEMENT

SEWER IMPROVEMENTS

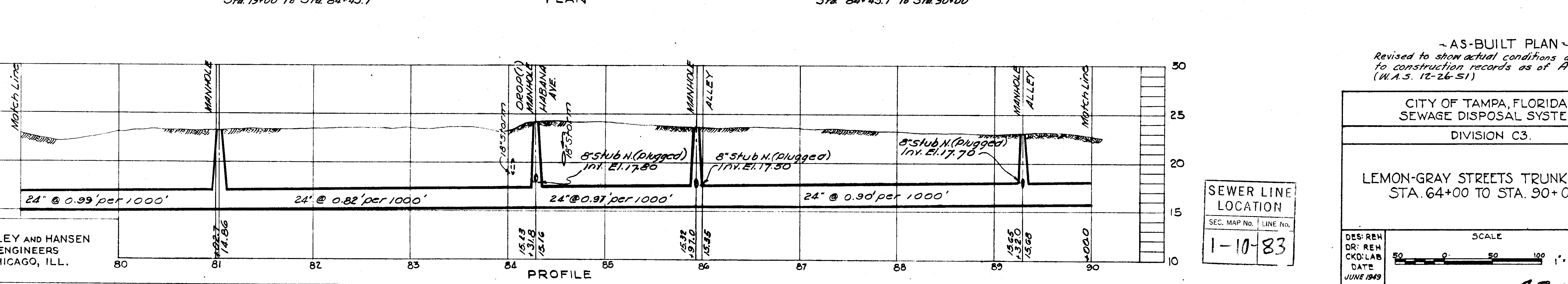
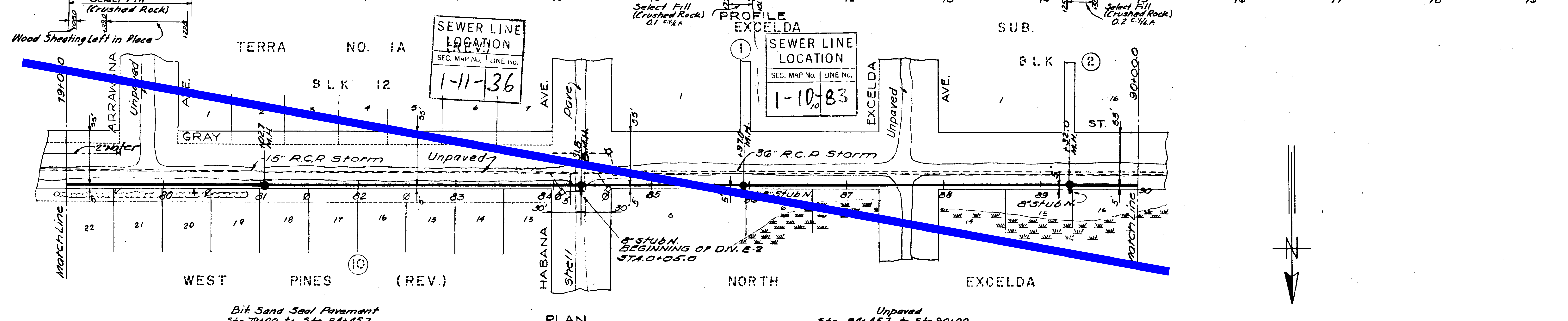
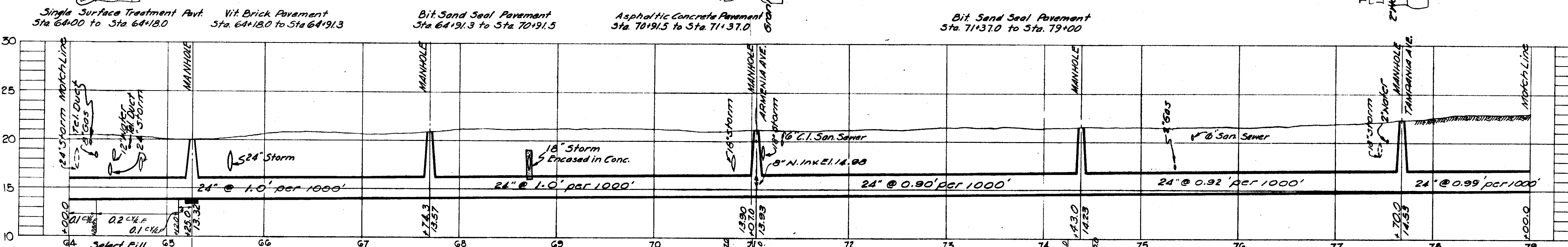
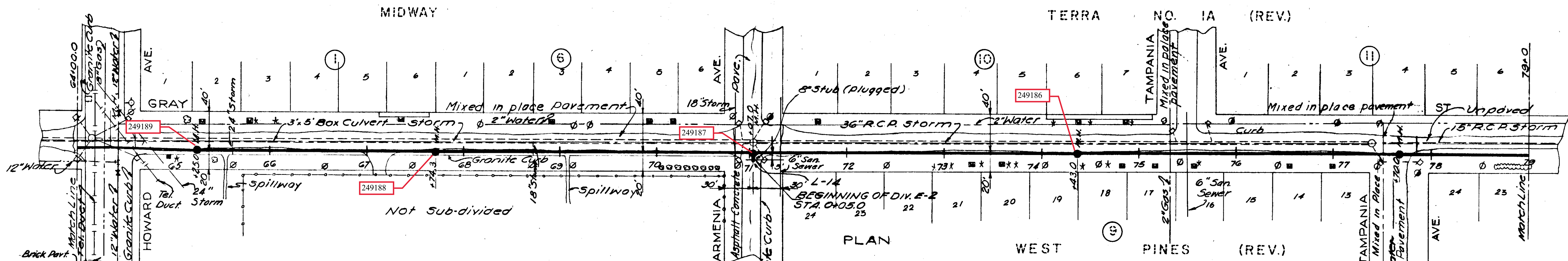
ALLEY N. OF FIG ST.: Armenia Ave. to Habana Ave.
 TEMPLE TERRACE HWY.: 28th St. to 29th St.
 CLEVELAND ST.: Delaware Ave. to the East, 135'

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

SCALE: 1" = 50'

SHEET 4 OF 10

Drainage Subdistrict A-4, A-5, A0



~AS-BUILT PLAN~
 Revised to show actual conditions according
 to construction records as of Aug. 13, 1951
 (W.A.S. 12-26-51)

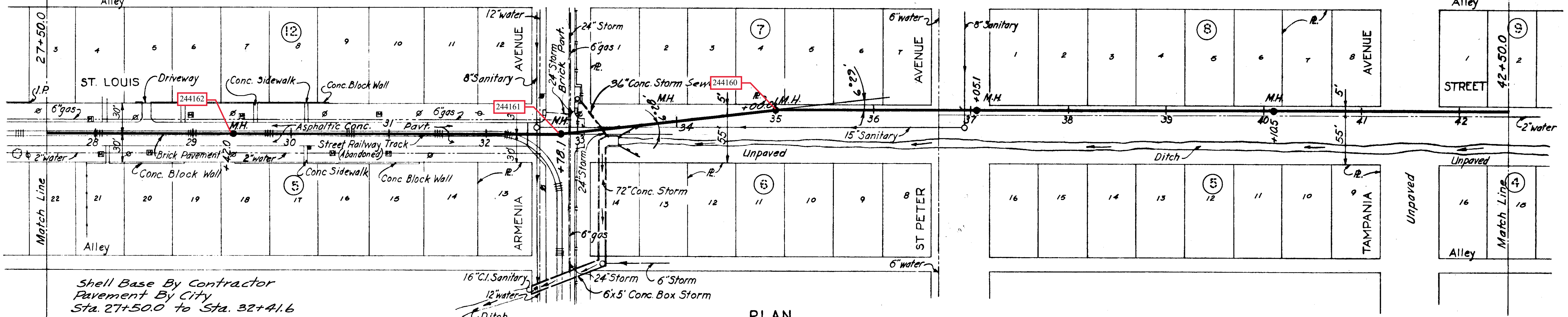
CITY OF TAMPA, FLORIDA. SEWAGE DISPOSAL SYSTEM.	
DIVISION C3.	
LEMON-GRAY STREETS TRUNK SEWER, STA. 64+00 TO STA. 90+00.	

DES: REH	SCALE	SHEET C3-6 OF 9
DR: REH	50 0 50 100 1" = 50'	
CKD: LAB		
DATE		
JUNE 1949		

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

427

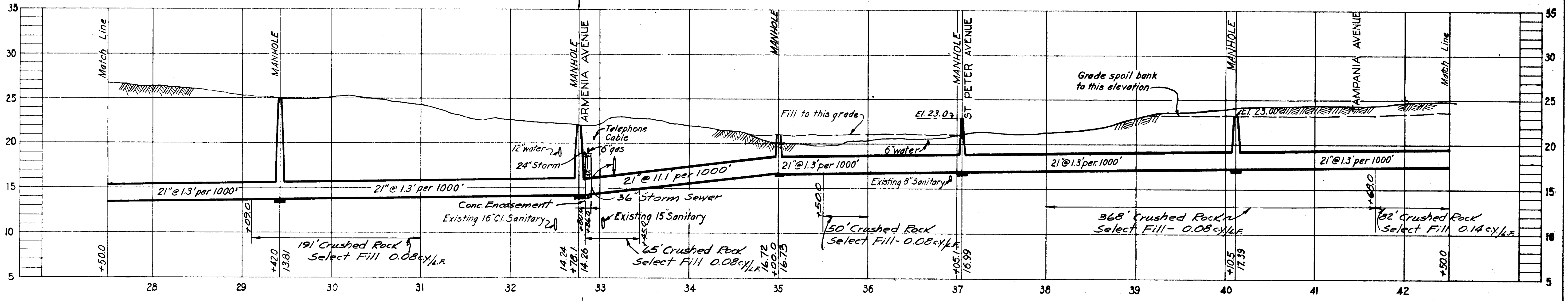
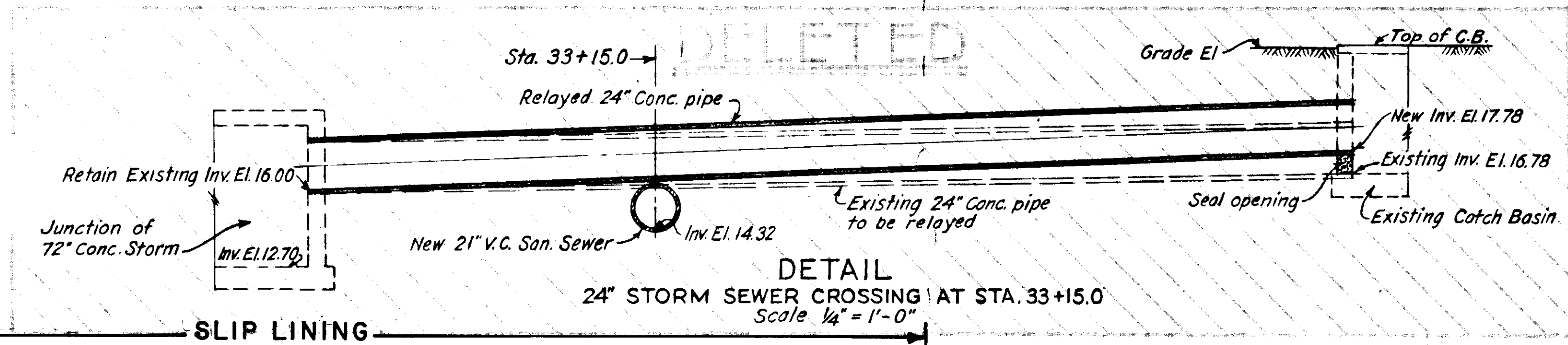
Brick Pavement Sta. 32+41.6 to Sta. 32+55.9
 Asphaltic Concrete Pavement Sta. 32+55.9 to Sta. 33+05.0



Shell Base By Contractor
 Pavement By City
 Sta. 27+50.0 to Sta. 32+41.6

Unpaved
 Sta. 33+05.0 to Sta. 42+50.0

PLAN



PROFILE

SEWER LINE LOCATION
 H-11-58

SEWER LINE LOCATION
 REC. MAP No. LINE No.
 H-10-82

CITY OF TAMPA, FLORIDA
 SEWAGE DISPOSAL SYSTEM
 DIVISION C5
 WEST TAMPA TRUNK SEWER
 STA. 27+50 TO STA. 42+50

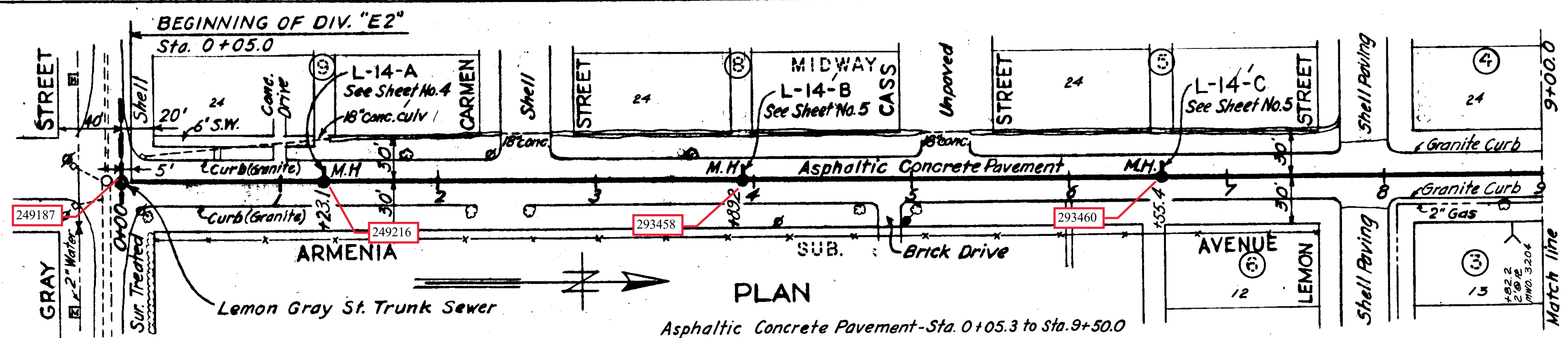
GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

AS-BUILT PLAN
 Revised to show actual conditions according
 to construction records as of Aug. 4, 1952
 (J.J.S. 8-7-52)

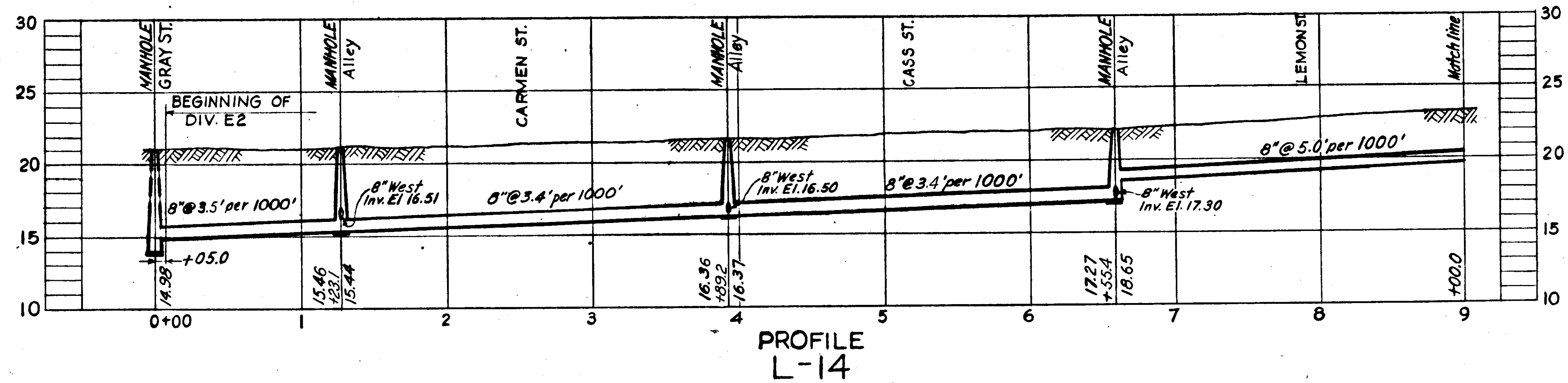
DES. L.A.B.
 DR. A.P.L.
 CKD. H.W.S.
 DATE
 MAY, 1950

SCALE
 1" = 50'

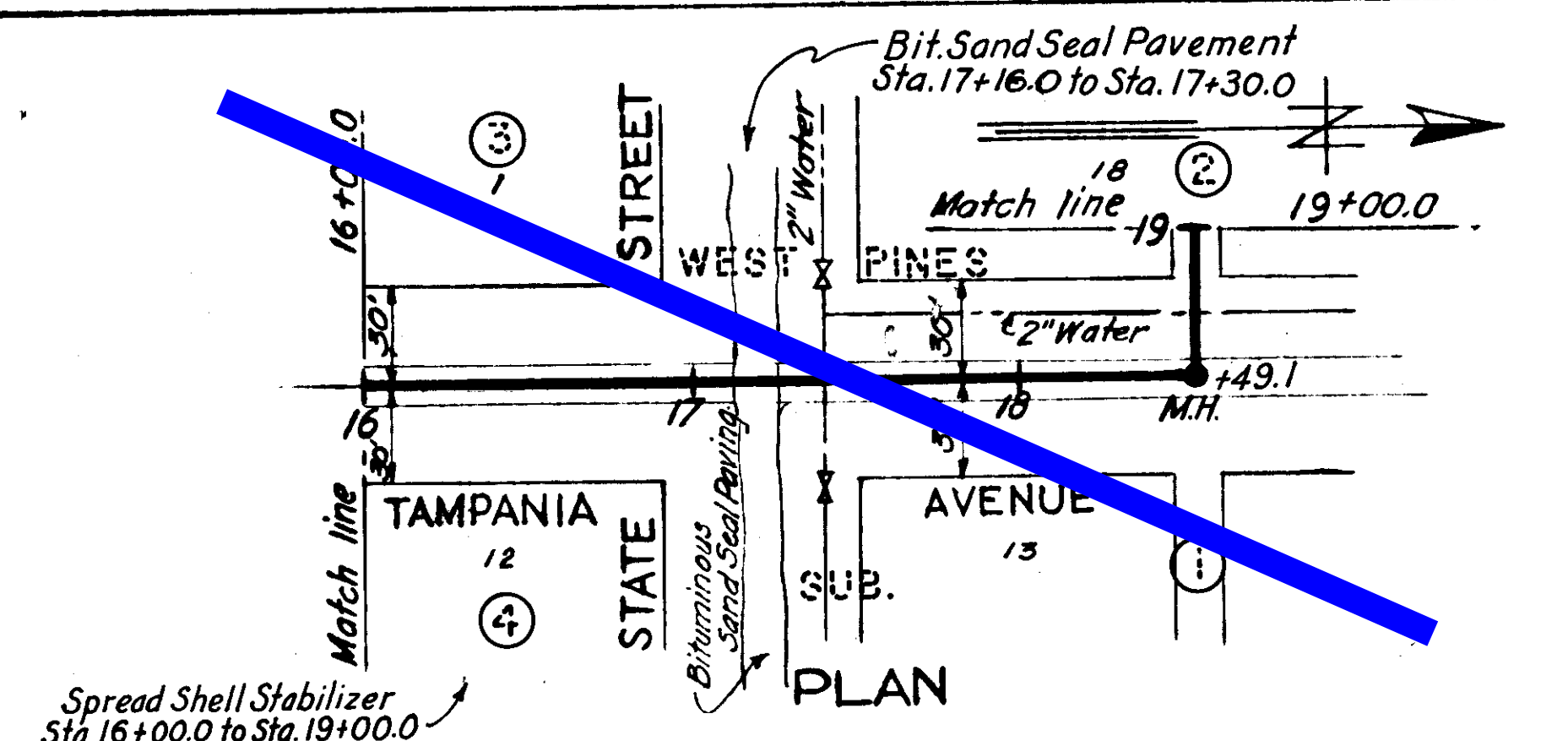
SHEET
 C5-5
 OF 9



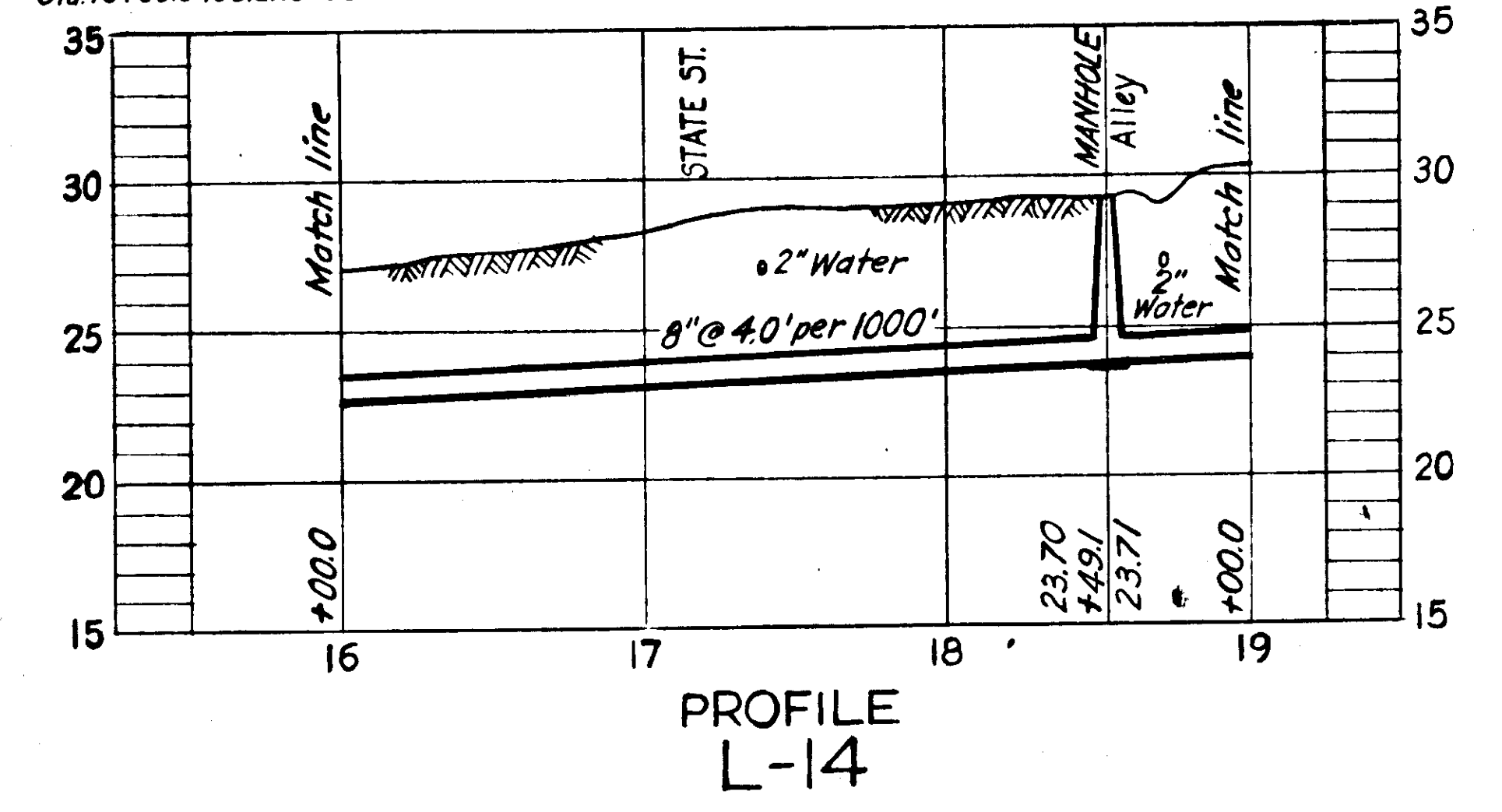
Asphaltic Concrete Pavement - Sta. 0+05.3 to Sta. 9+50.0



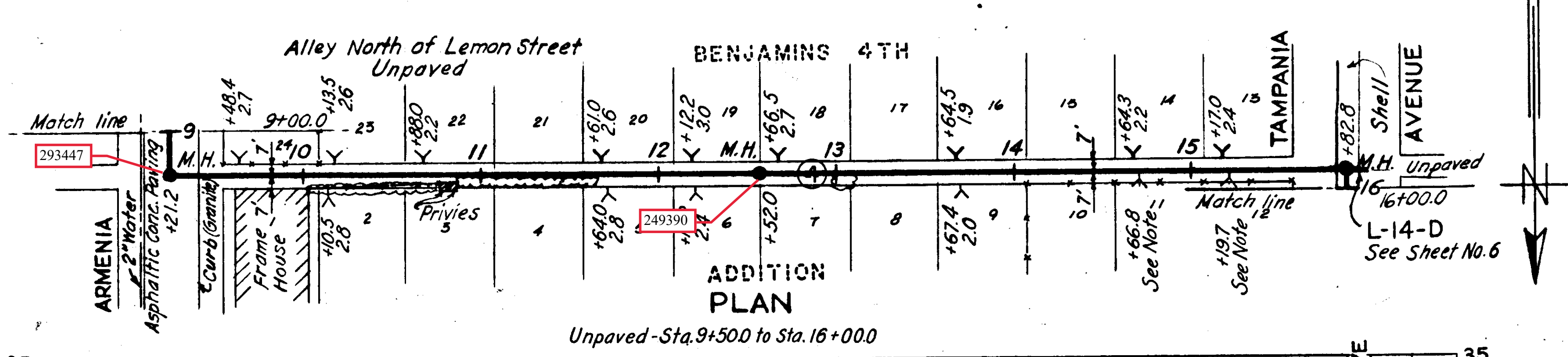
PROFILE L-14



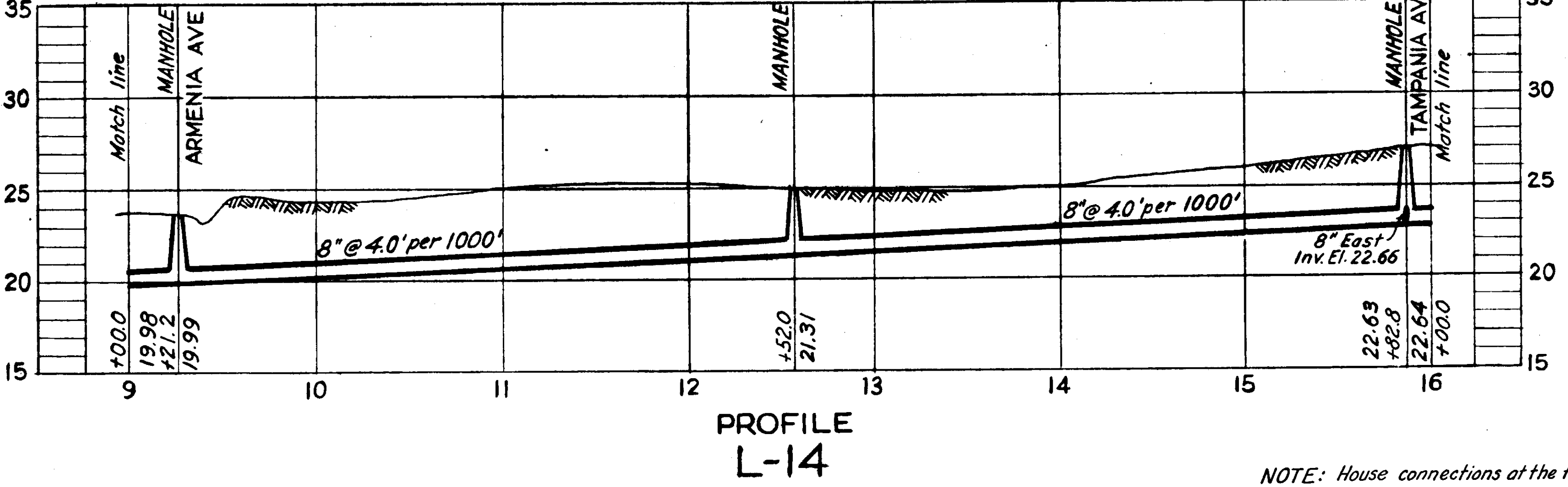
Spread Shell Stabilizer - Sta. 16+00.0 to Sta. 19+00.0



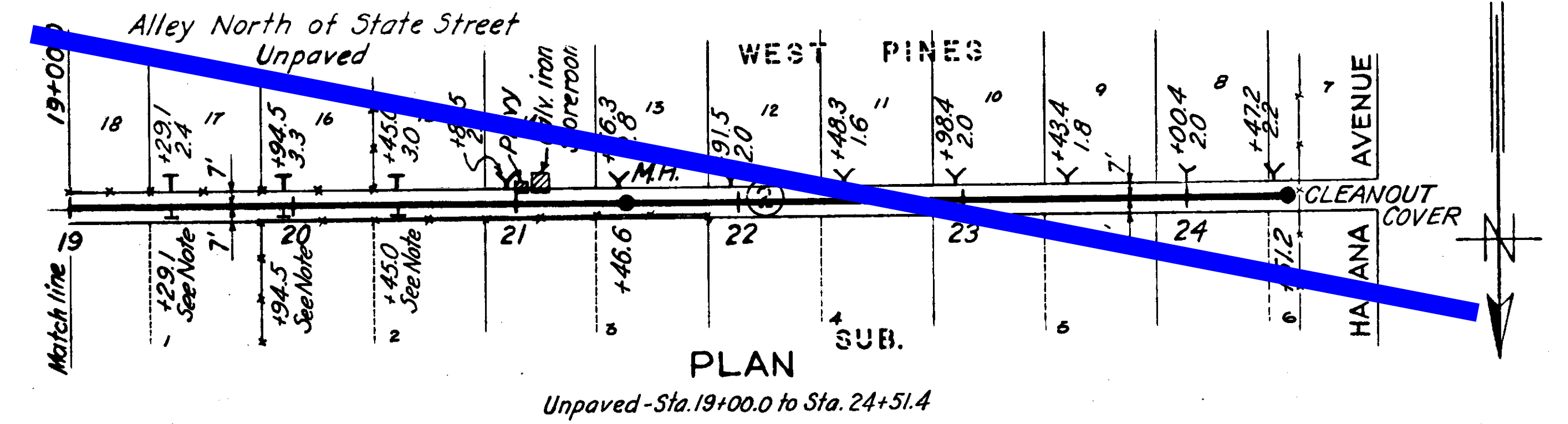
PROFILE L-14



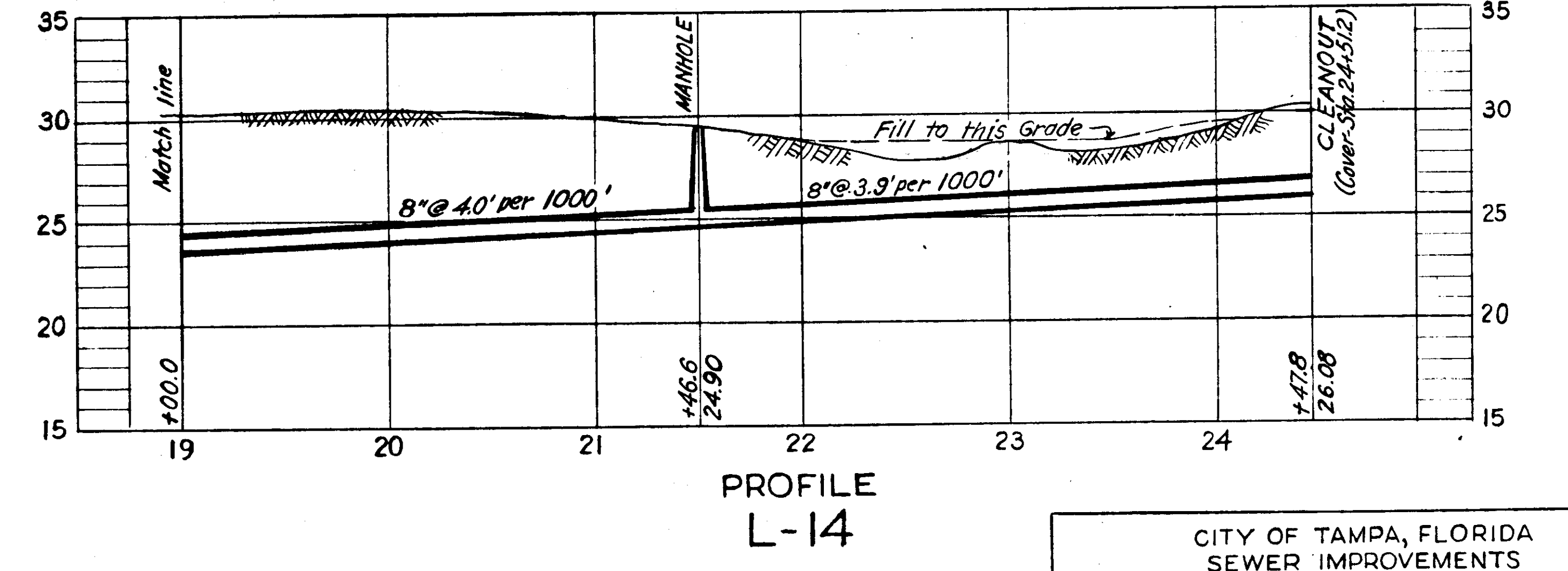
Unpaved - Sta. 9+50.0 to Sta. 16+00.0



PROFILE L-14



Unpaved - Sta. 19+00.0 to Sta. 24+51.4



PROFILE L-14

NOTE: House connections at the following stations are plugged at sewer on side shown on Line L-14.
 Sta. 19+29.1 - North Side
 Sta. 14+66.8 - North Side
 Sta. 15+19.7 - North Side
 Sta. 19+94.5 - North Side
 Sta. 20+45.0 - North Side

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.

CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION E2
 L-14

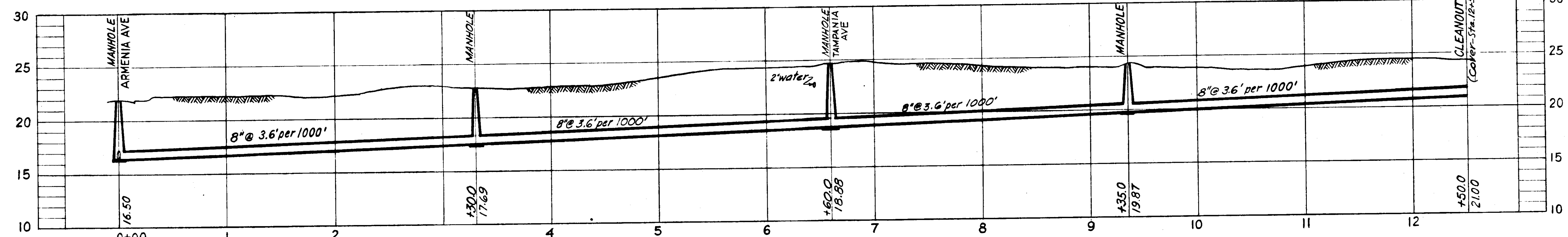
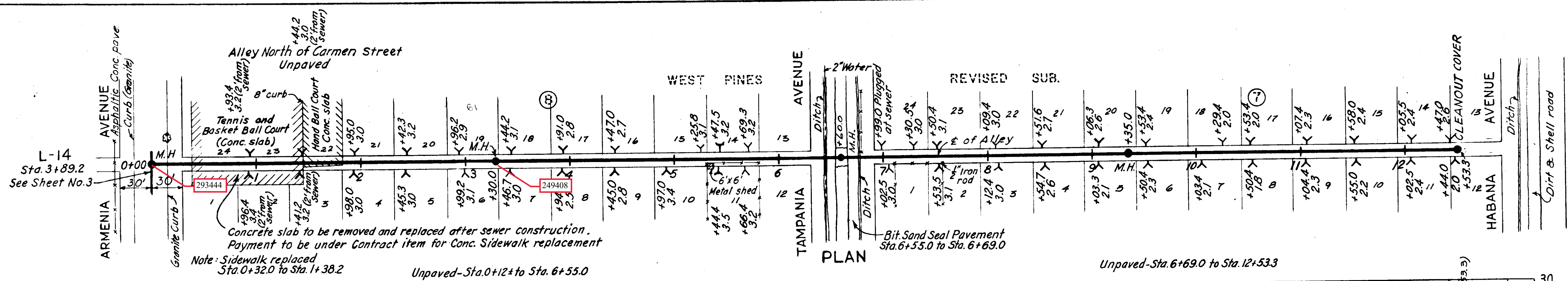
DES: R.E.H.
 DR: J.W.H.
 CKD: L.A.B.
 DATE: JUNE 1949

SCALE
 50 0 50 100 1" = 50'

SHEET
 E2-3
 OF 14

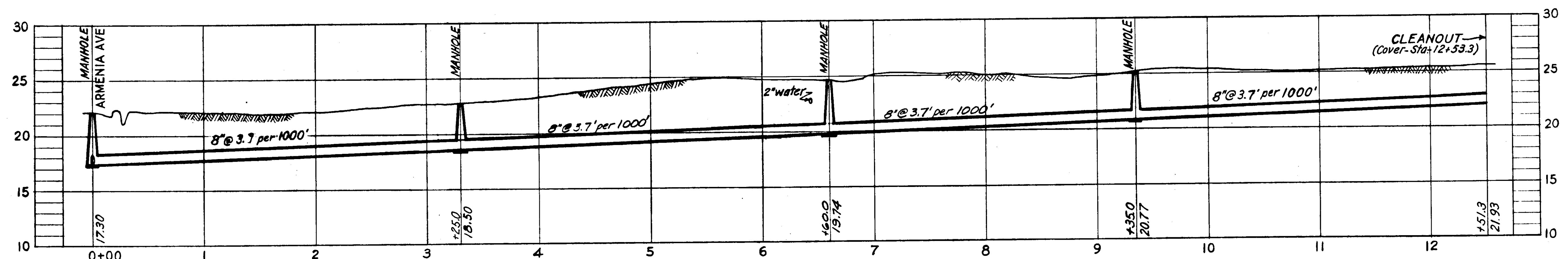
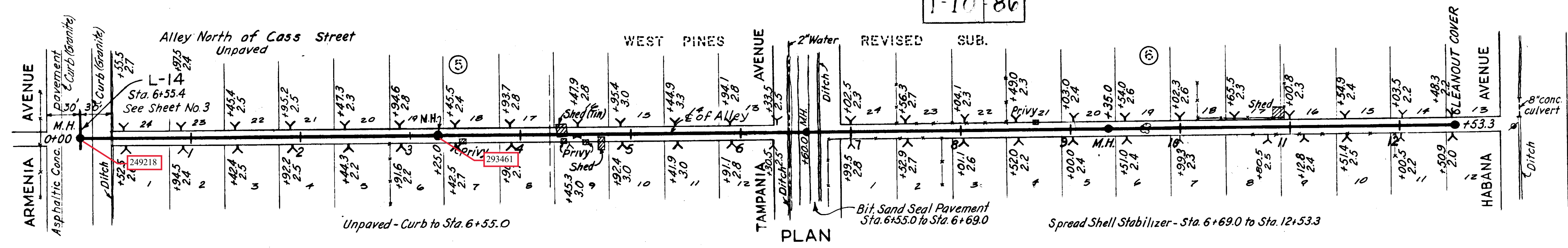
GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

AS-BUILT PLAN
 Revised to show actual conditions according to construction records as of May 12, 1950 (R.M.J. 2-28-51)



PROFILE
L-14-B

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
1-10	86



PROFILE
L-14-C

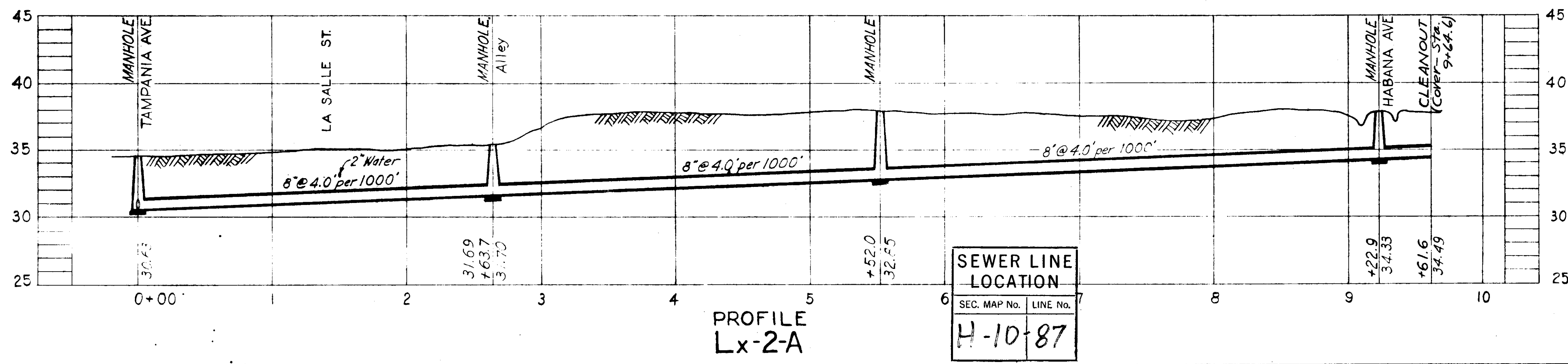
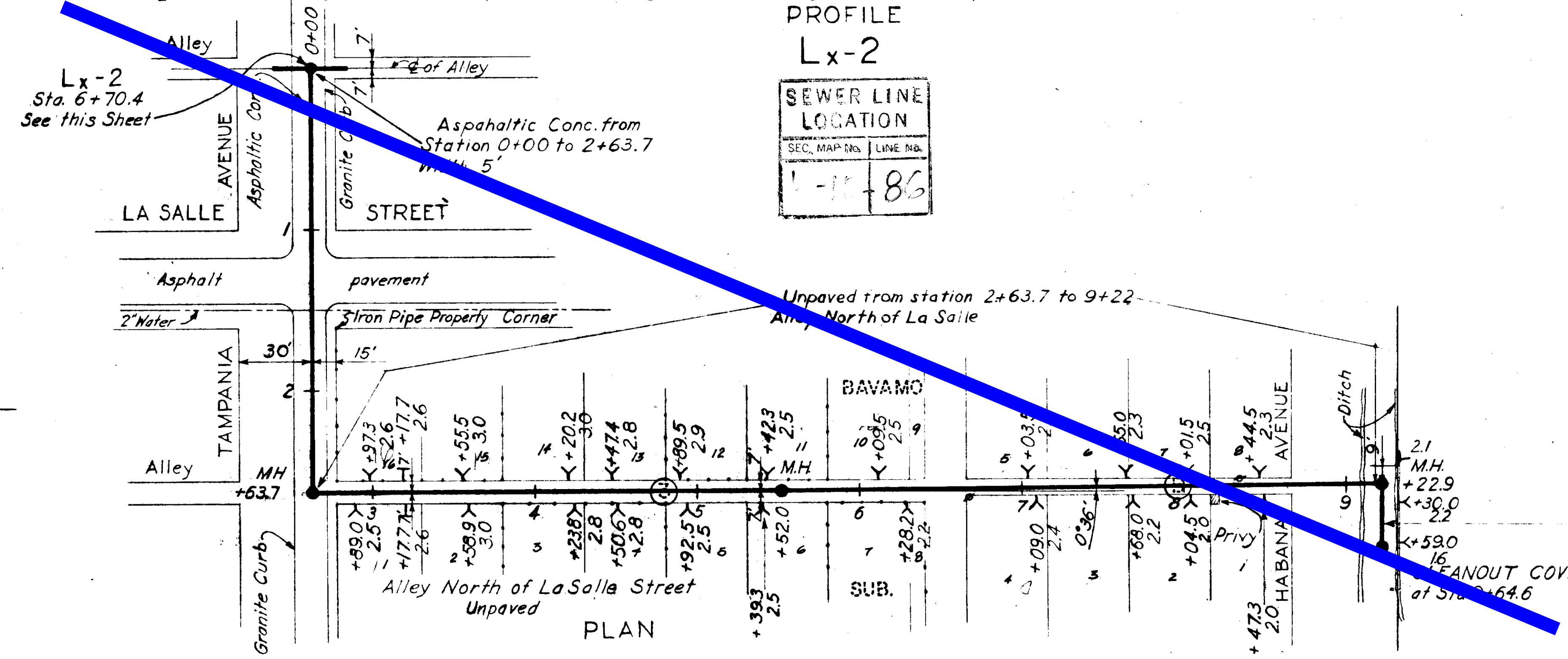
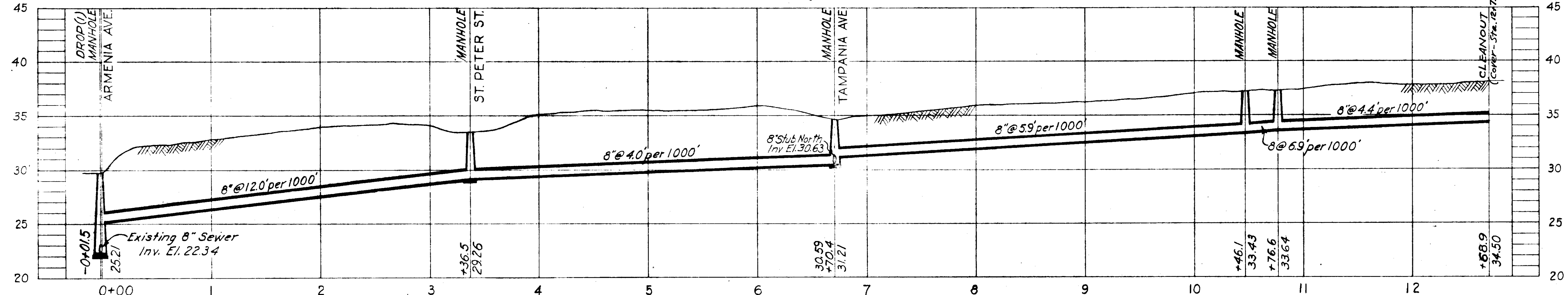
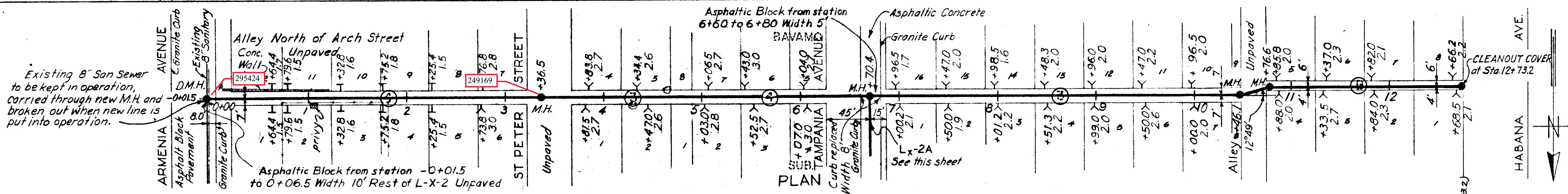
SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
1-10	87

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

AS-BUILT PLAN
Revised to show actual conditions according
to construction records as of May 12, 1950
(R.M.J. 3-5-51)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS	
DIVISION E2	
L-14-B & L-14-C	
DES: R.E.H. DR: J.W.H. GKD: L.A.B. DATE: JUNE 1949	SCALE 0 50 100 1" = 50'
SHEET E2-5 OF 14	

44-6



SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
1-1	86

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
H-10	87

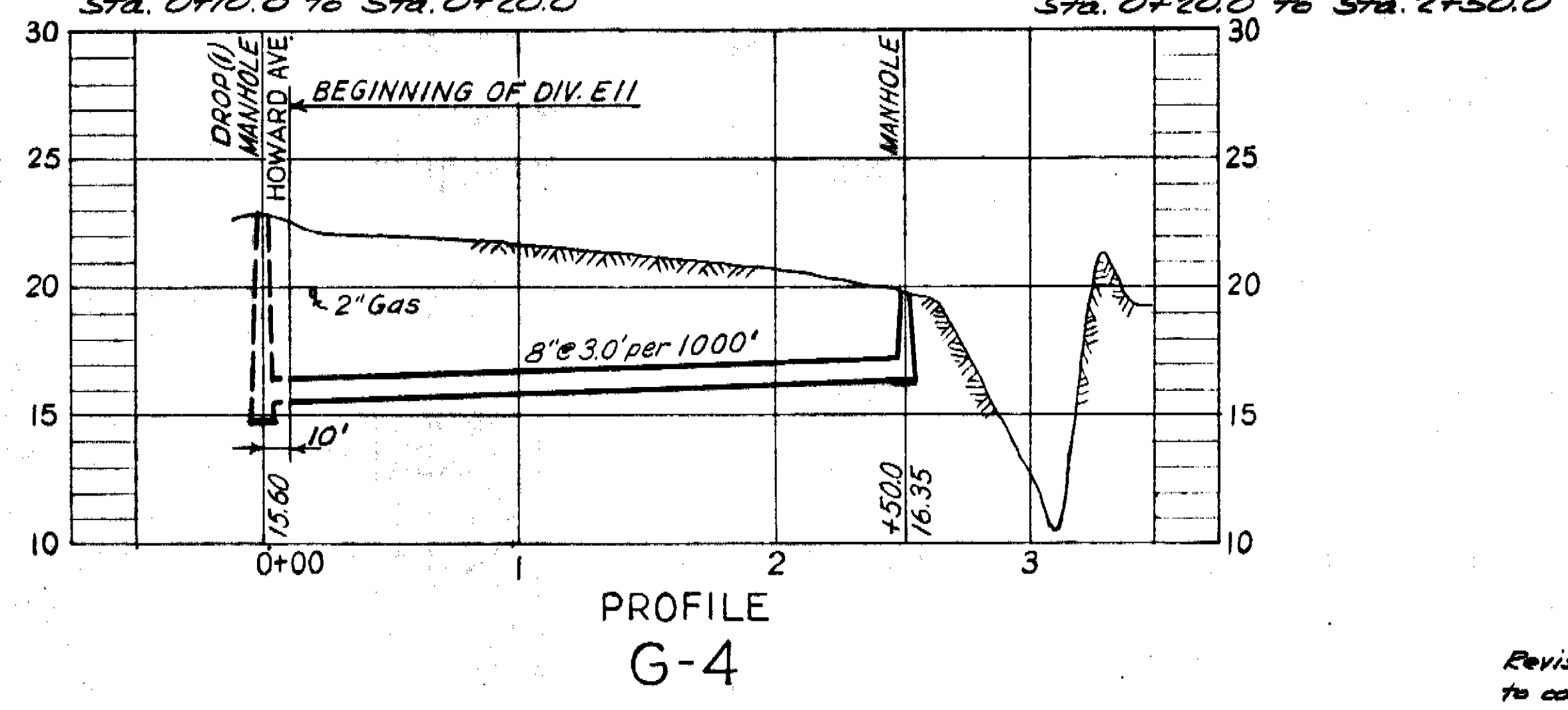
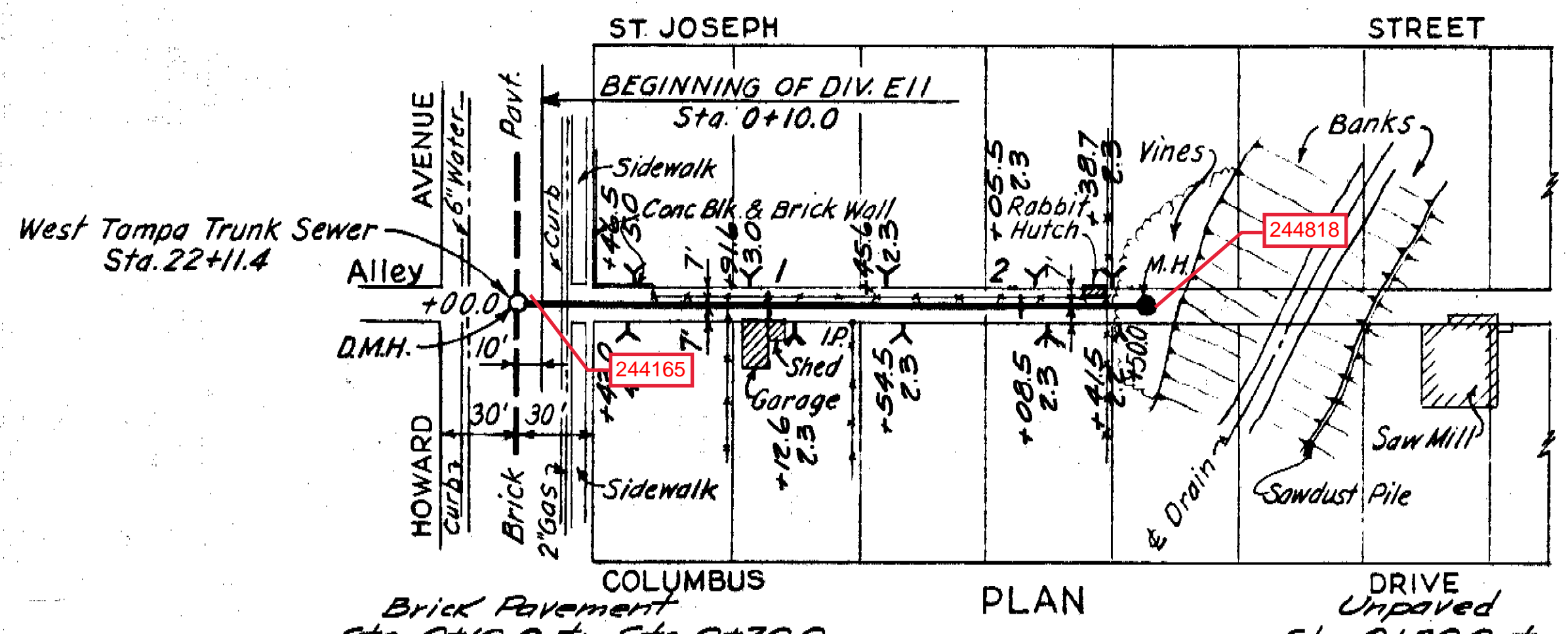
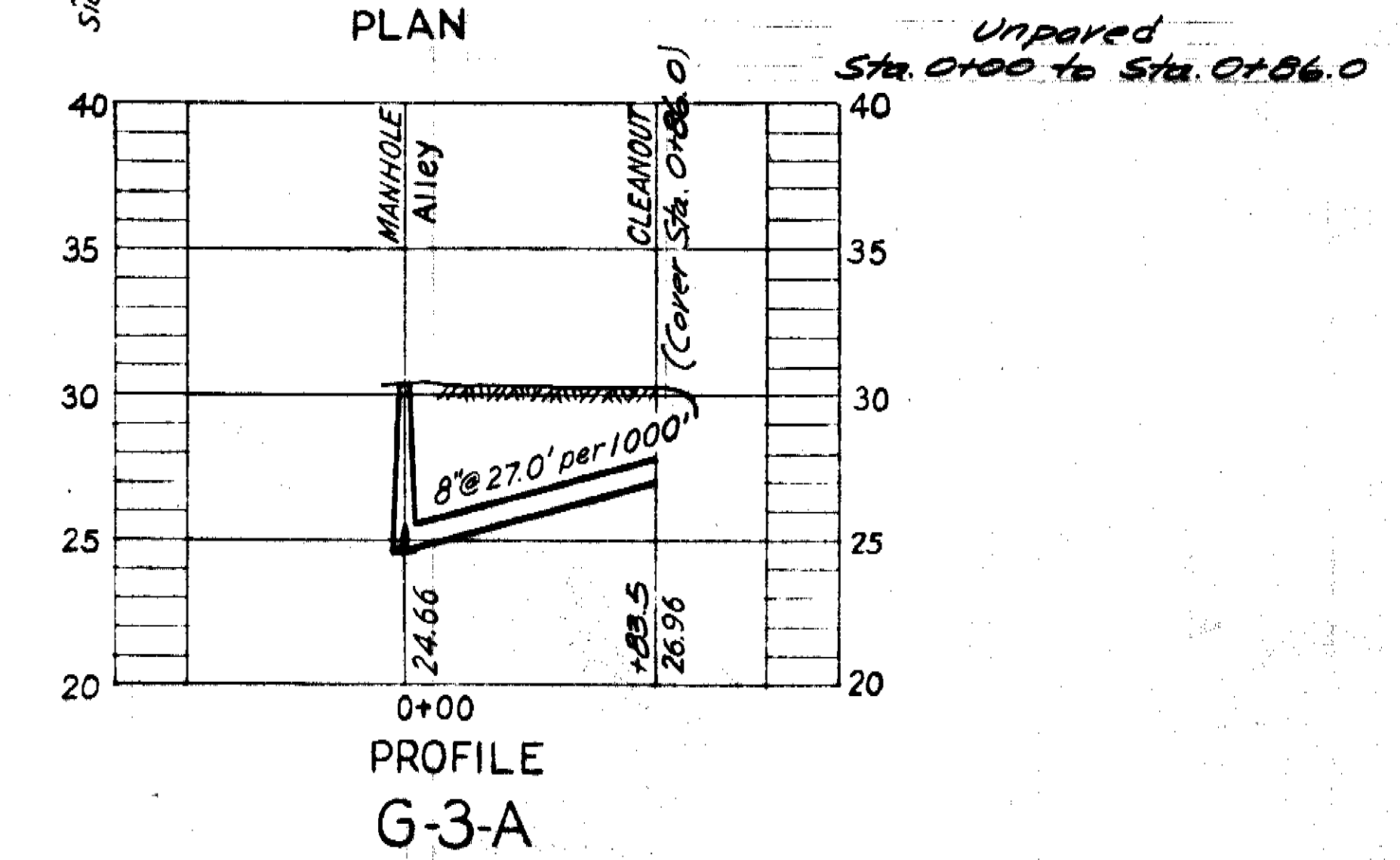
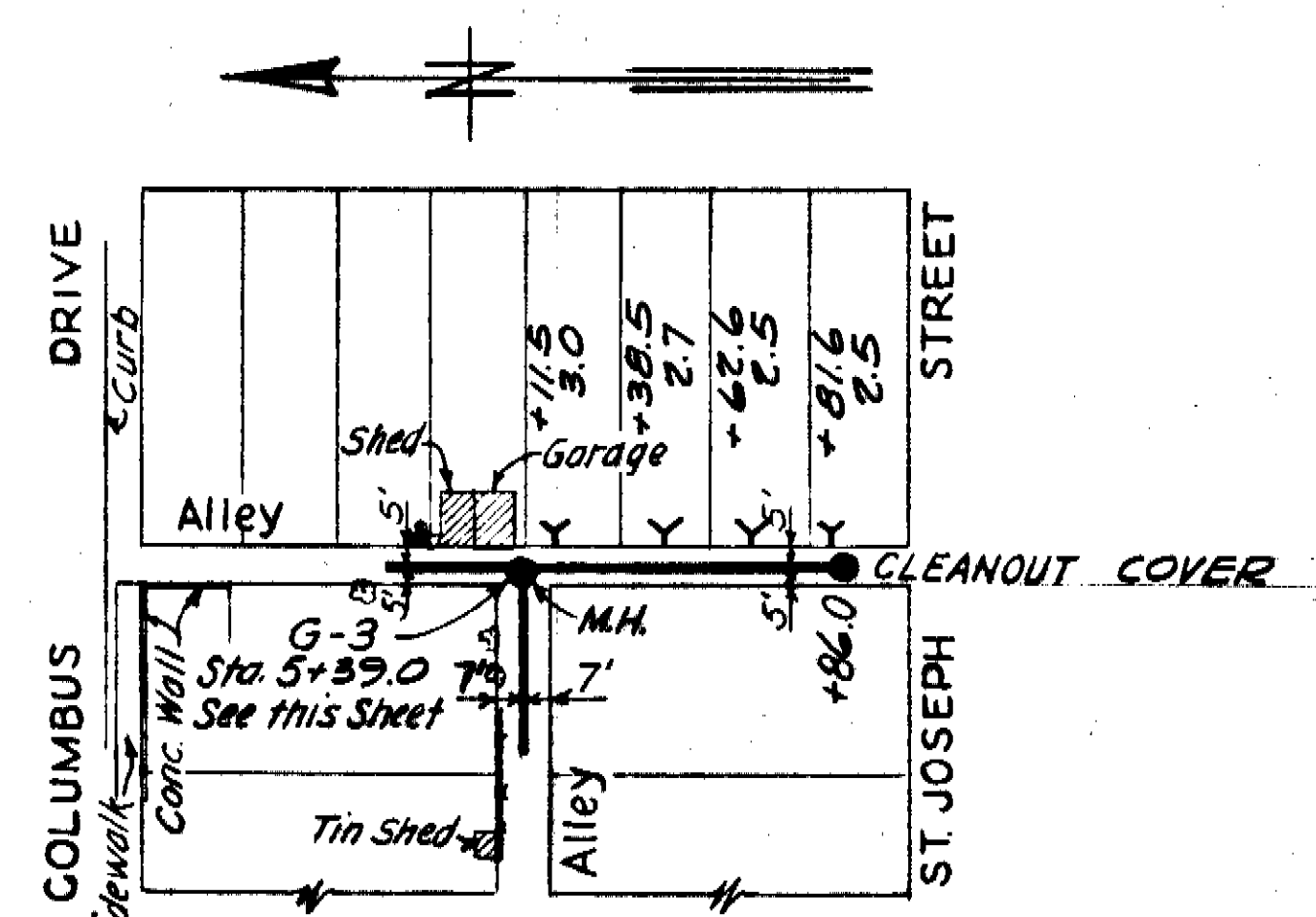
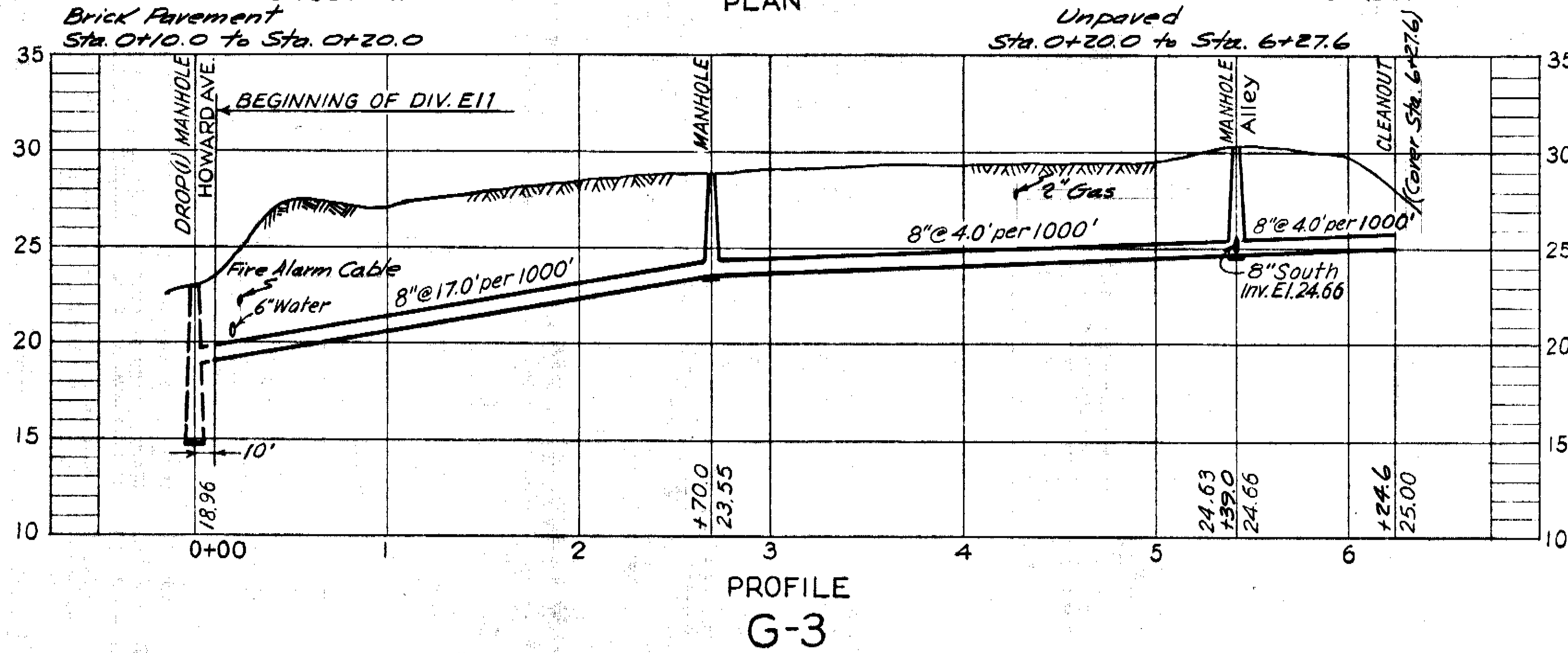
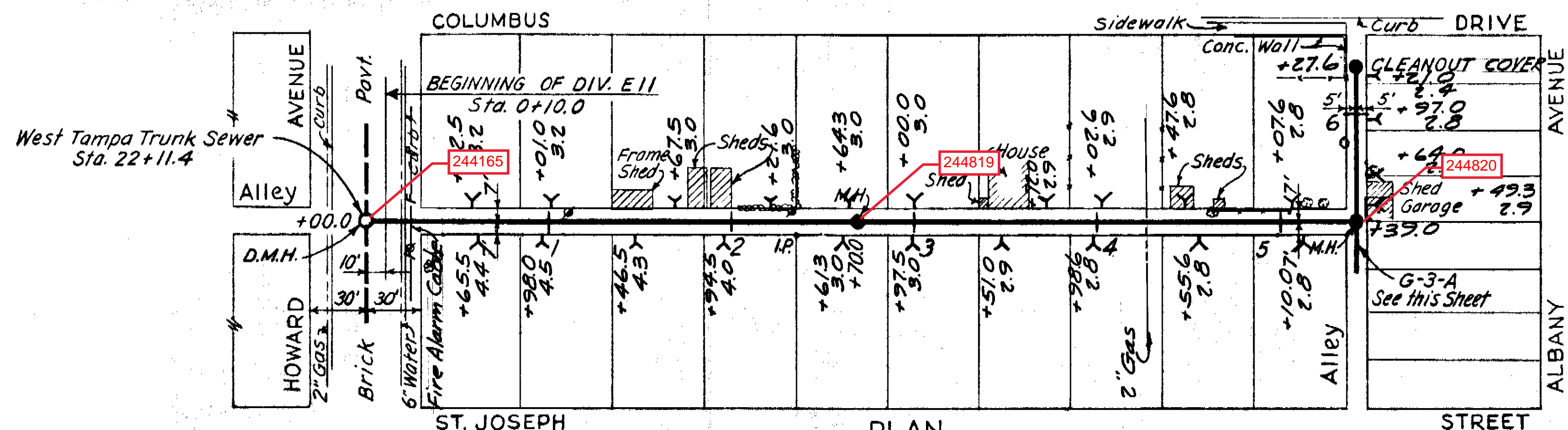
NOTE.
As built revisions added May 12, 1950
Stations at Ys & Ts is Station at End of House connection at Property Line or as noted.

By Asel T. Johnson Jr.
As built revised August 31, 1950 to include additional data.
By M. Ondino, Jr.
A. F. Lopez 9-5-50

AS-BUILT PLAN
Revised to show actual conditions according to construction records as of May 12, 1950 (R.M.J. 3-27-51)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS	
DIVISION E2	
Lx-2 & Lx-2-A	
DES. REH. DR. AT. J. A. CHK. LAB. DATE JUNE 1949	SCALE 50 0 50 100 1" = 50'
SHEET E2-7 OF 14	

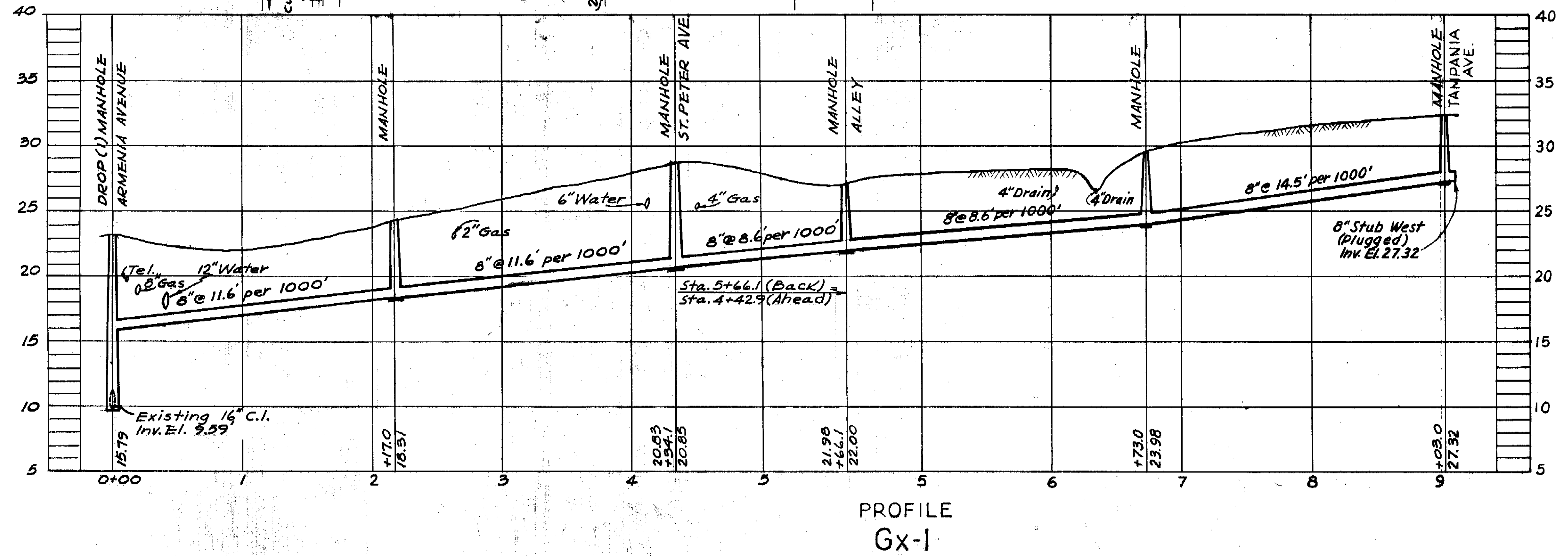
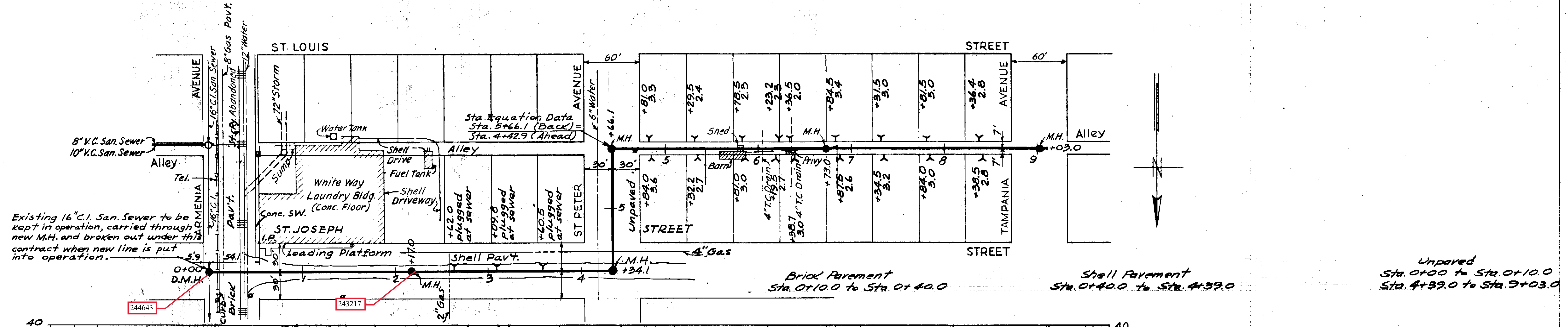
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.



GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

AS-BUILT PLAN
Revised to show actual conditions according
to construction records as of Apr. 22, 1952.
(J.I.S. 6-21-52)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS	
DIVISION E11	
G-3, G-3-A & G-4	
DES: L.A.B. DR: J.W.H. CKD: W.W.S. DATE: MAY 1950	SCALE: 50 0 50 100 1" = 50'
SHEET E11-22 OF 44	

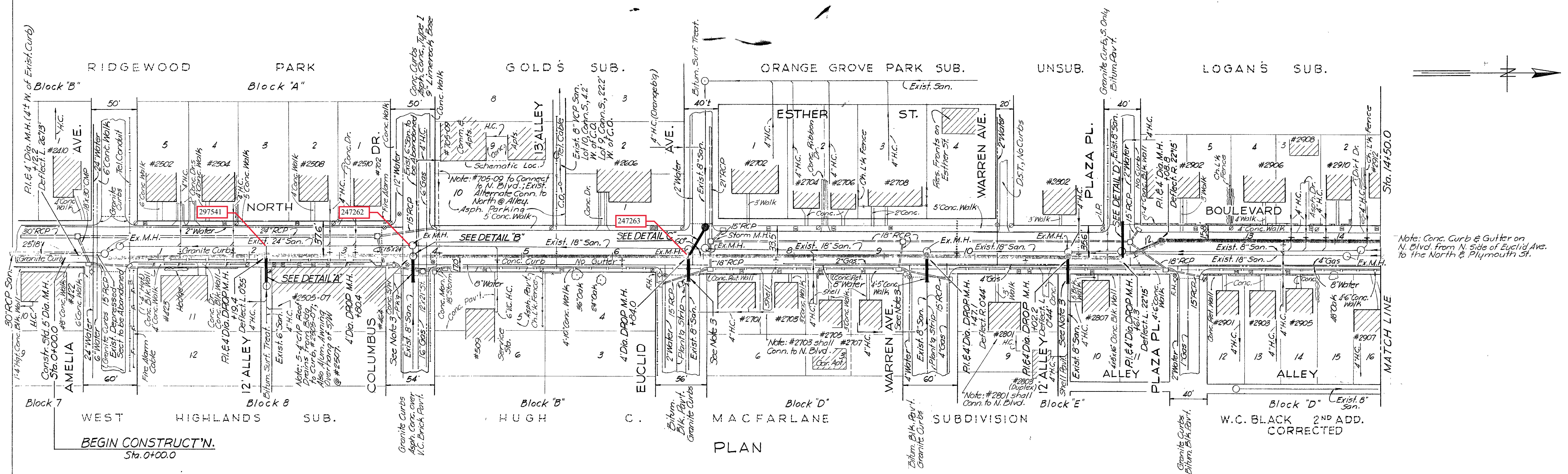


NOTE: Owner moved Buildings out of Alley

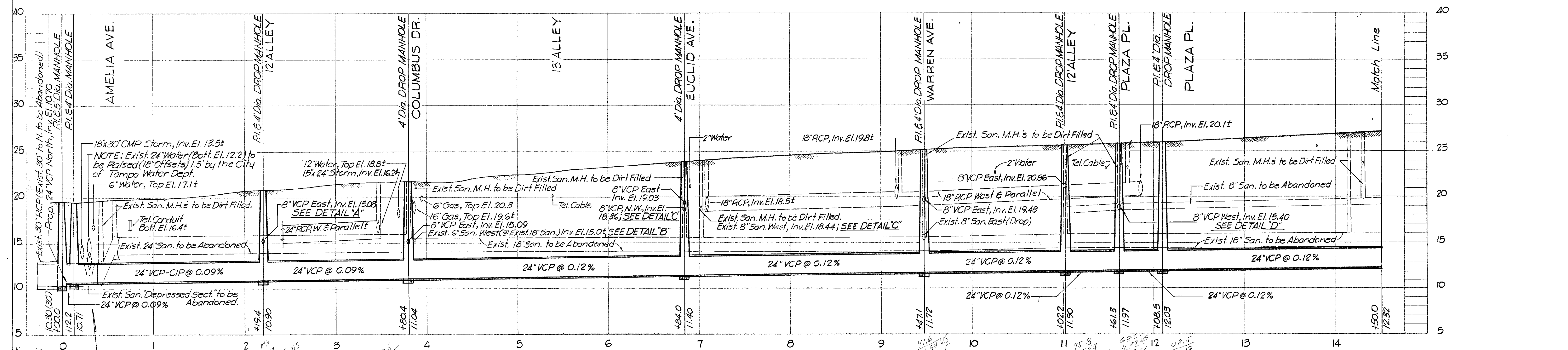
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

AS-BUILT PLAN
Revised to show actual conditions according
to construction records as of Apr. 22, 1952.
(J.J.S. 6:21-52)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS		
DIVISION E11		
Gx-1		
DES: A.B. DR: J.W.H. CKD: W.W.S. DATE: MAY 1950	SCALE: 0 50 100 1" = 50'	SHEET E11-23 OF 44



Note: Conc. Curb & Gutter on N. Blvd. from N. Side of Euclid Ave. to the North & Plymouth St.



Required: 24" of 24" Cast Iron Pipe, (ASTM thickness Des. 25) from Sta. 0+44.2 to Sta. 0+38.2; Constr. Sq. Conc. Collar @ CIP-VCP Joint.

Required: Replace all pavement and base disturbed by relocation of 24" water line in vicinity of Sta. 0+27t as ordered by the Engineer. This entire area pavement & base will be measured & paid for using the unit prices for Contract Item 25-26 & 25-27

PROFILE

General Notes:

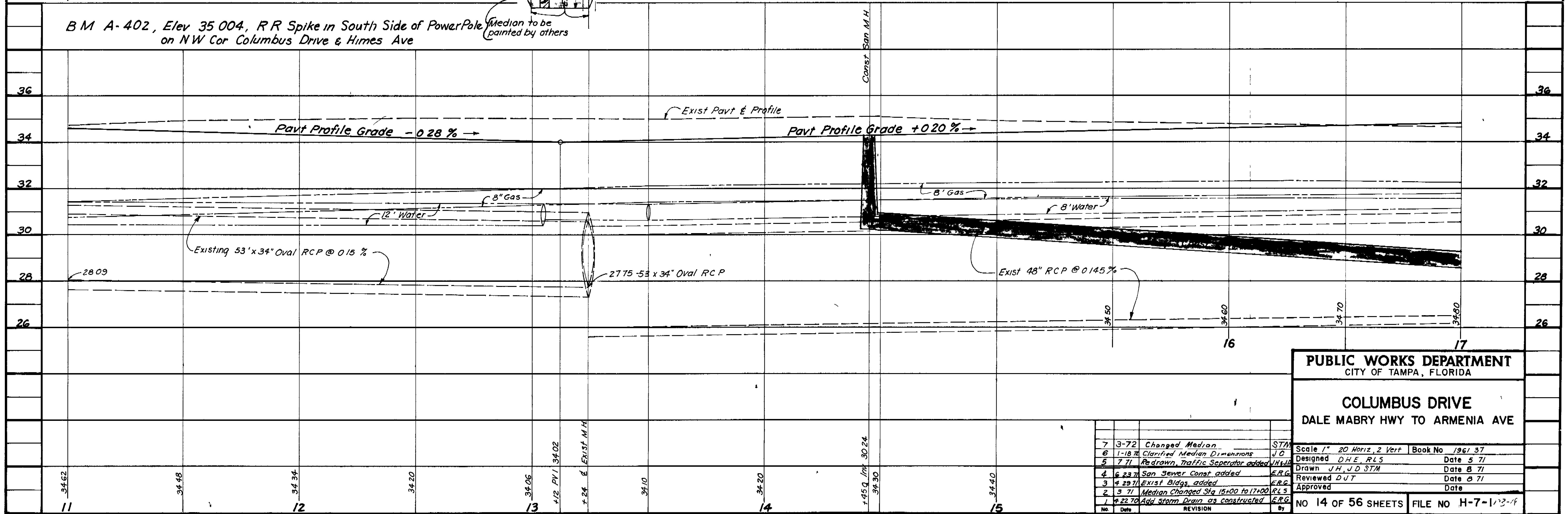
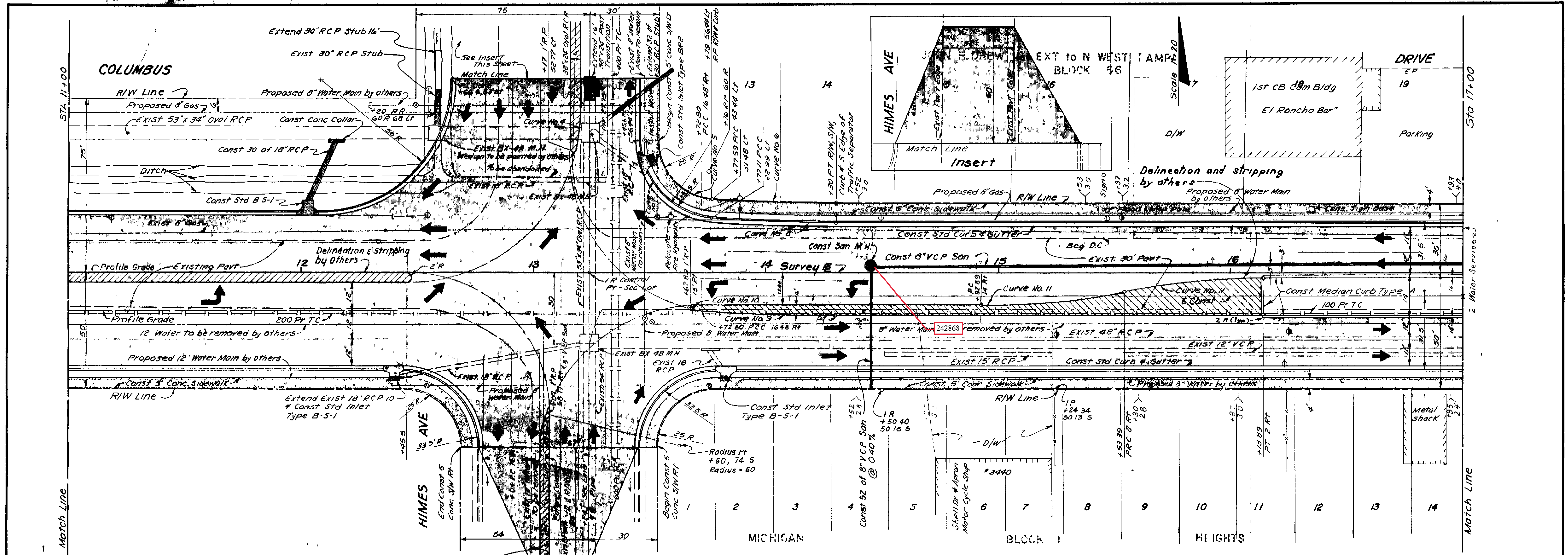
- Unless otherwise directed, existing sanitary sewer manholes between Sta. 0+00 and Sta. 27+75 shall be abandoned. Remove manhole castings and deliver to Dept. of San. Sewers; fill existing & lower 2ft. of manhole with sand-cement mixture; fill manholes with compacted dirt and restore pavement with base and surface equal in quality to adjacent pavement.
Manholes to be abandoned include those offset from the following sewer line stations: 0+42, 0+58, 3+80.4, 6+84, 7+02, 9+47.1, 11+02.2, 11+61.3, 14+13 and 14+28; also 14+95.7, 16+40, 17+90, 19+61, 20+00, 20+08, 21+67, 22+51.5, 23+55 and 25+03.
Existing sewers to be abandoned shall be completely filled with sand thoroughly mixed with 5 bags of portland cement per cubic yard; Add minimum amount of water to permit placement.
- Datum: City of Tampa B.M. No A-1062, Elev. 22.514
□ Sidewalk 4' South of Water Meter @ main entrance to Drug Store @ Southeast corner of N. Blvd. and Columbus Dr.
- Replace Exist. San. Sewer from East or West, as shown in Plan, with 28 Lin. Ft. of 8" V.C.P. @ Exist. San. sewer grade, and connect to existing sewer beyond N. Boulevard paving.

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
G-12	12

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

DES: C.M.T.	NORTH BLVD. TRUNK SEWER	SHEET 2 OF 6
DRN: C.M.T.		
CKD: A.S.C.		
DATE: JAN. 66		

PROJECT: 25 SUBDISTRICT: A-12

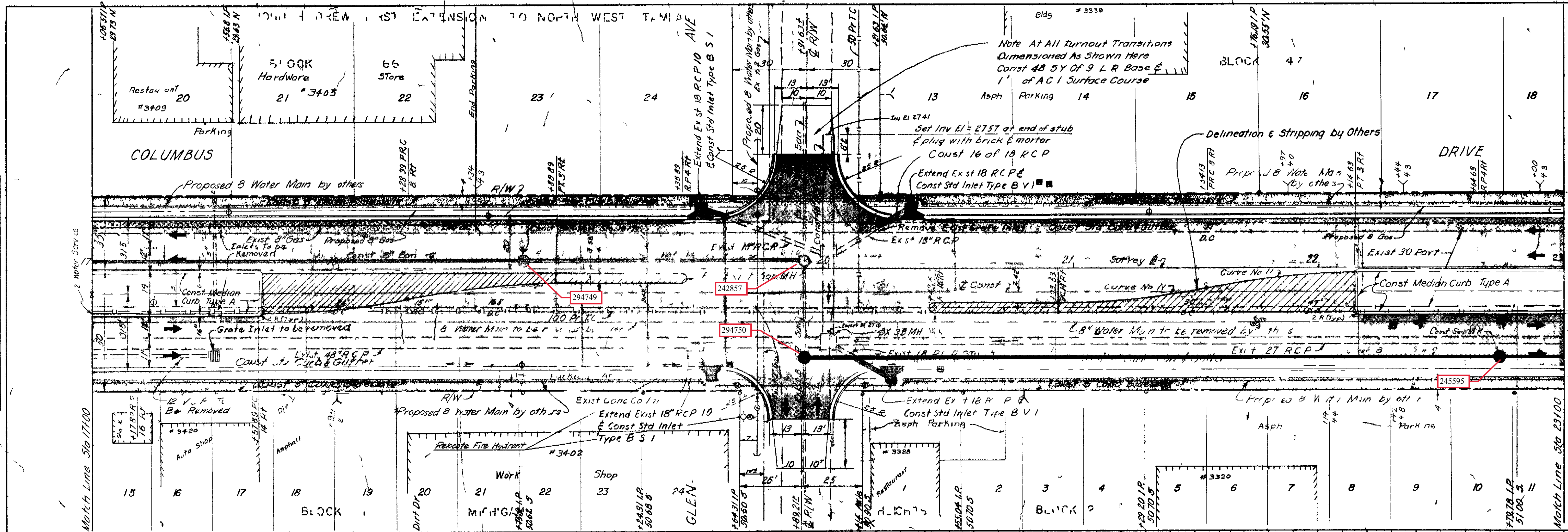


PUBLIC WORKS DEPARTMENT
 CITY OF TAMPA, FLORIDA

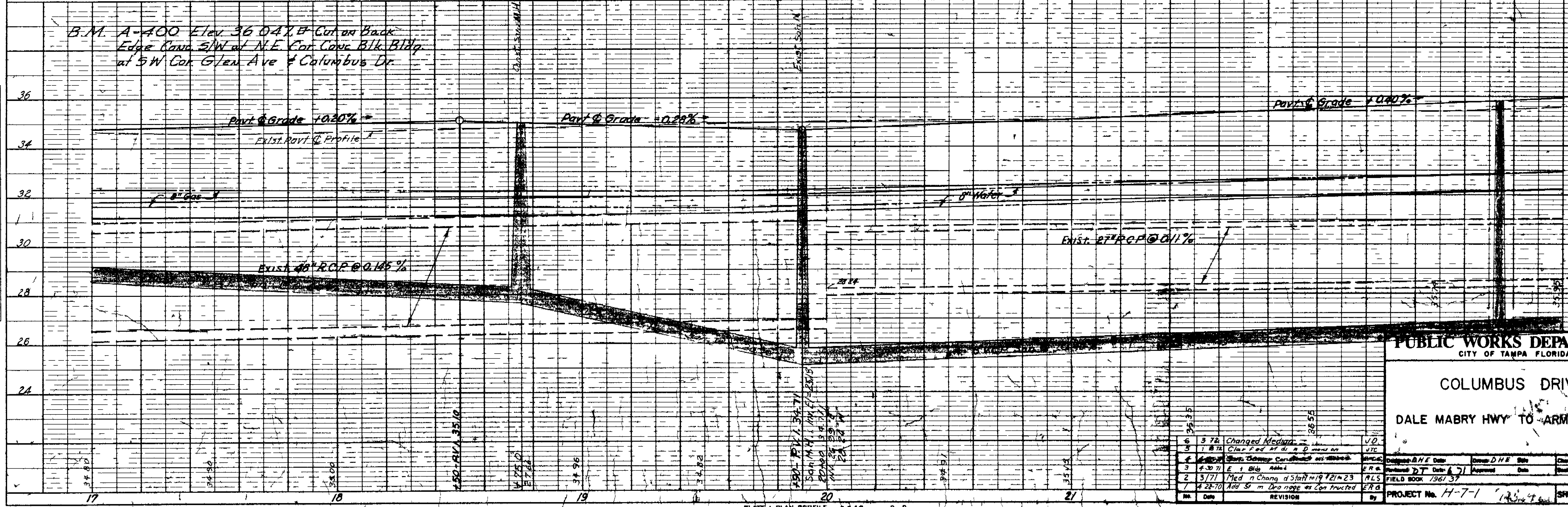
COLUMBUS DRIVE
 DALE MABRY HWY TO ARMENIA AVE

7	3-72	Changed Median	STM
6	1-18	Clarified Median Dimensions	J.D.
5	7-71	Redrawn, Traffic Separator added	J.H.J.
4	6-23	San Sewer Const added	ER.G.
3	7-29	Exist Bldgs added	ER.G.
2	3-71	Median Changed Sta 15+00 to 17+00	R.L.S.
1	7-22	Add Storm Drain as constructed	ER.G.
No.	Date	REVISION	By

Scale 1" = 20' Horiz, 2" Vert Book No 1961 37
 Designed D.H.E., R.L.S. Date 5/71
 Drawn J.H., J.D. STM Date 8/71
 Reviewed D.J.T. Date 8/71
 Approved Date
 NO 14 OF 56 SHEETS FILE NO H-7-113-14



B.M. A-400 Elev 36.04 ± Cut on Back Edge Road SW of NE Cor. Civic Bldg at SW Cor. Glen Ave & Columbus Dr.



PUBLIC WORKS DEPARTMENT
CITY OF TAMPA FLORIDA

COLUMBUS DRIVE
DALE MABRY HWY TO ARMENIA AVE

6/3/78	Changed Median	J.D.
1/8/78	Clear End of D. on	J.T.C.
4/20/77	Start Change Curvature on	AVC
4/30/77	E 1 Blk. added	F.R.A.
3/7/77	Med n Change d Start m 19 121m 23	A.L.S.
4/28/70	Add 5m Dia pipe ex Con. trucked	E.R.A.

PROJECT No. H-7-1
SHEET 15 of 58

PLAN

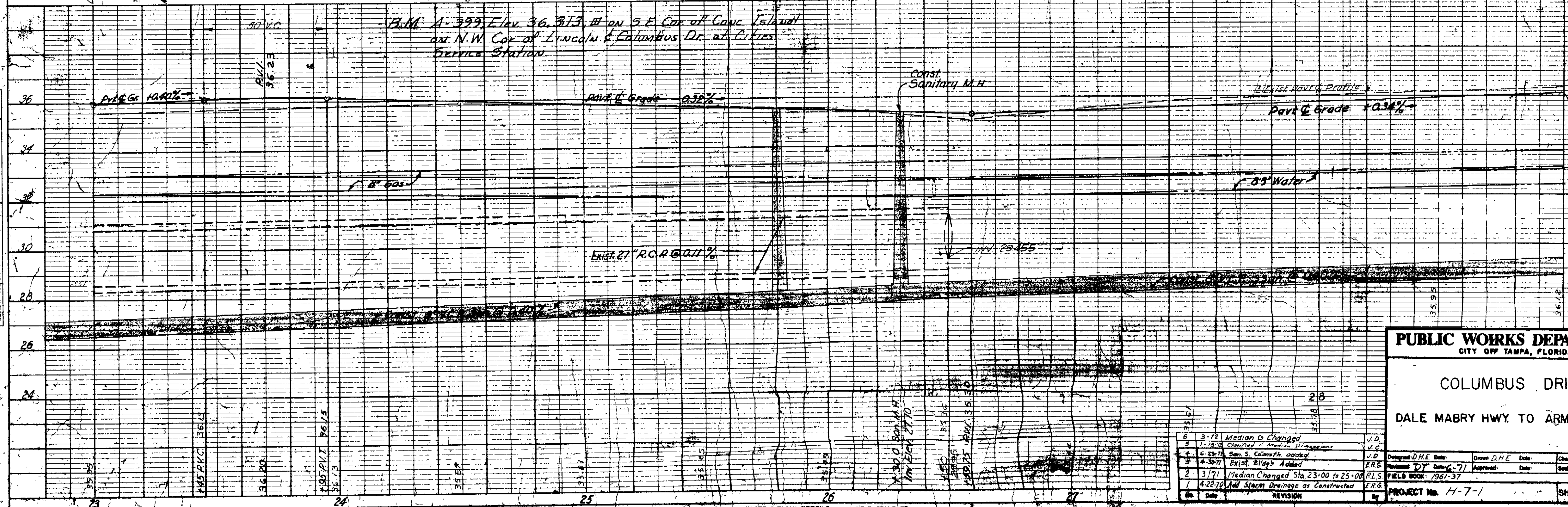
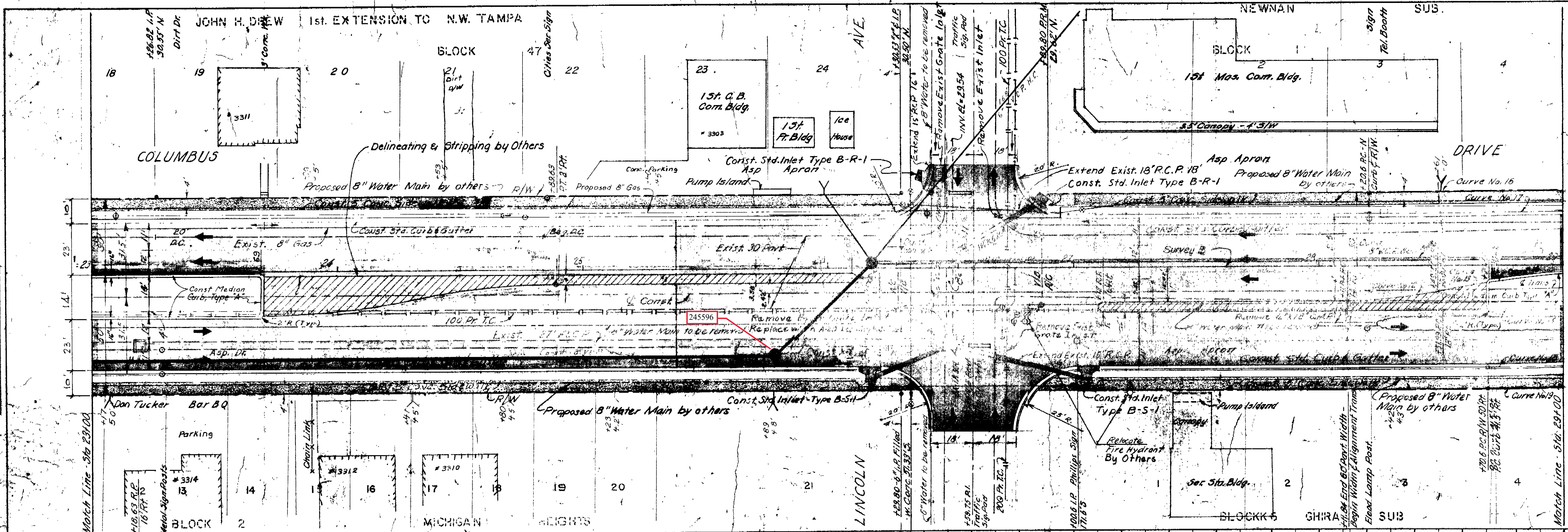
DATE	BY
12/6/77	J.W.F.
12/6/77	J.W.F.

PROFILE

DATE	BY
12/6/77	J.W.F.
12/6/77	J.W.F.

PLATE 1 PLAN PROFILE P & A
ON A SPOON YELLOW-84 NO. 1000
ENGINEER: JETZSON, J.D.

Scale: 1" = 20'



PLAN

DATE	1/1/71
BY	J.H.
CHECKED	J.H.
APPROVED	J.H.
SCALE	1" = 20'
PROJECT	DALE MABRY HWY TO ARMENIA AVE.
SHEET	16 OF 56

PROFILE

DATE	1/1/71
BY	J.H.
CHECKED	J.H.
APPROVED	J.H.
SCALE	1" = 20'
PROJECT	DALE MABRY HWY TO ARMENIA AVE.
SHEET	16 OF 56

PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA

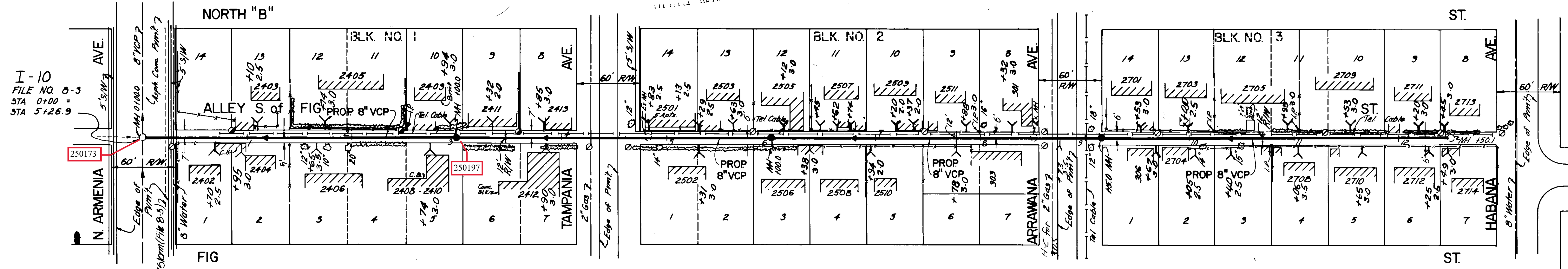
COLUMBUS DRIVE
DALE MABRY HWY TO ARMENIA AVE.

6-77	Median is Changed	J.D.
7-77	Clarified Vertical Drainage	J.D.
8-77	San. S. Com. Bldg. added	J.D.
9-77	Exist. Bldgs. Added	ERB
3-78	Median Changed Sta. 23+00 to 25+00	PLS
4-78	Add Storm Drainage as Constructed	ERB

Designed: D.H.E. Date: 6-71
Drawn: D.H.E. Date: 6-71
Checked: J.H. Date: 6-71
Reviewed: DT Date: 6-71
Field Book: 7861-37

PROJECT No. H-7-1
SHEET 16 of 56

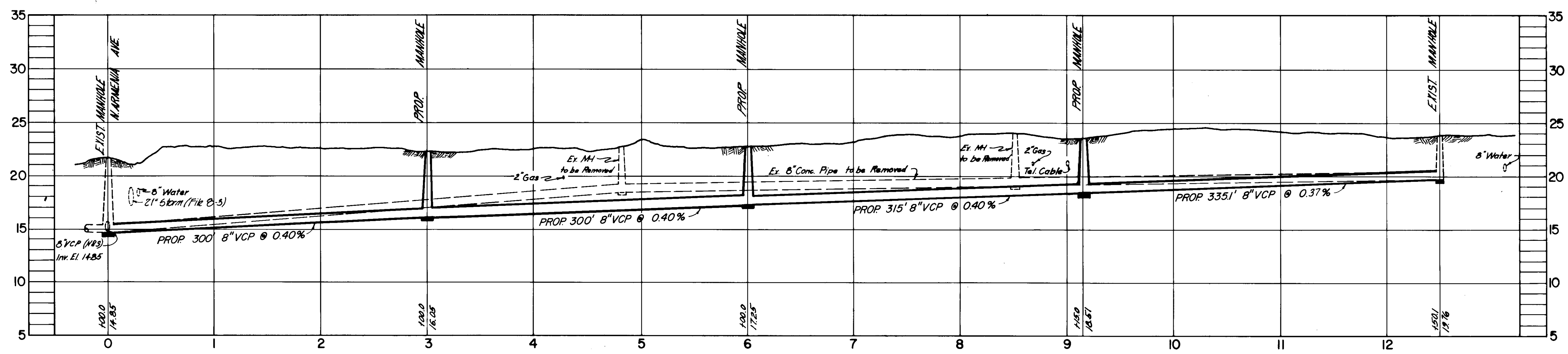
TERRA NOVA (REV)



PLAN

BM 13 (A-1272) Cut S.W. Corner Porch @ 305 N Armenia Ave.

Note: All Residences Are Wood Frame Unless Otherwise Indicated. All Fences Are Chain Link Unless Otherwise Indicated.



PROFILE WO 7750

Note:
1. House Connection Locations Shown Are Based on Connection Card Information Dating to 1926. Connection Locations to the Replacement Sewer Should be Determined in the Field. Lots showing no house connections have no available information showing location. Actual location will have to be determined in the field.

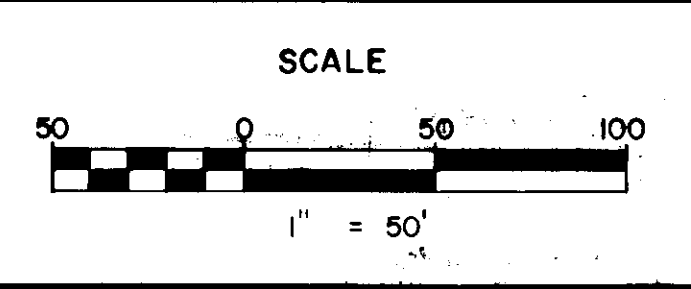
SEWER LINE LOCATION
I-10/112

H.C. Plotted 5/23/77 JR

DES: JPM
DRN: EB
CKD: M.J.A.
DATE: SEPT. 1976

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

NO.	DATE	REVISIONS
1		
2		
3		
4		
5		

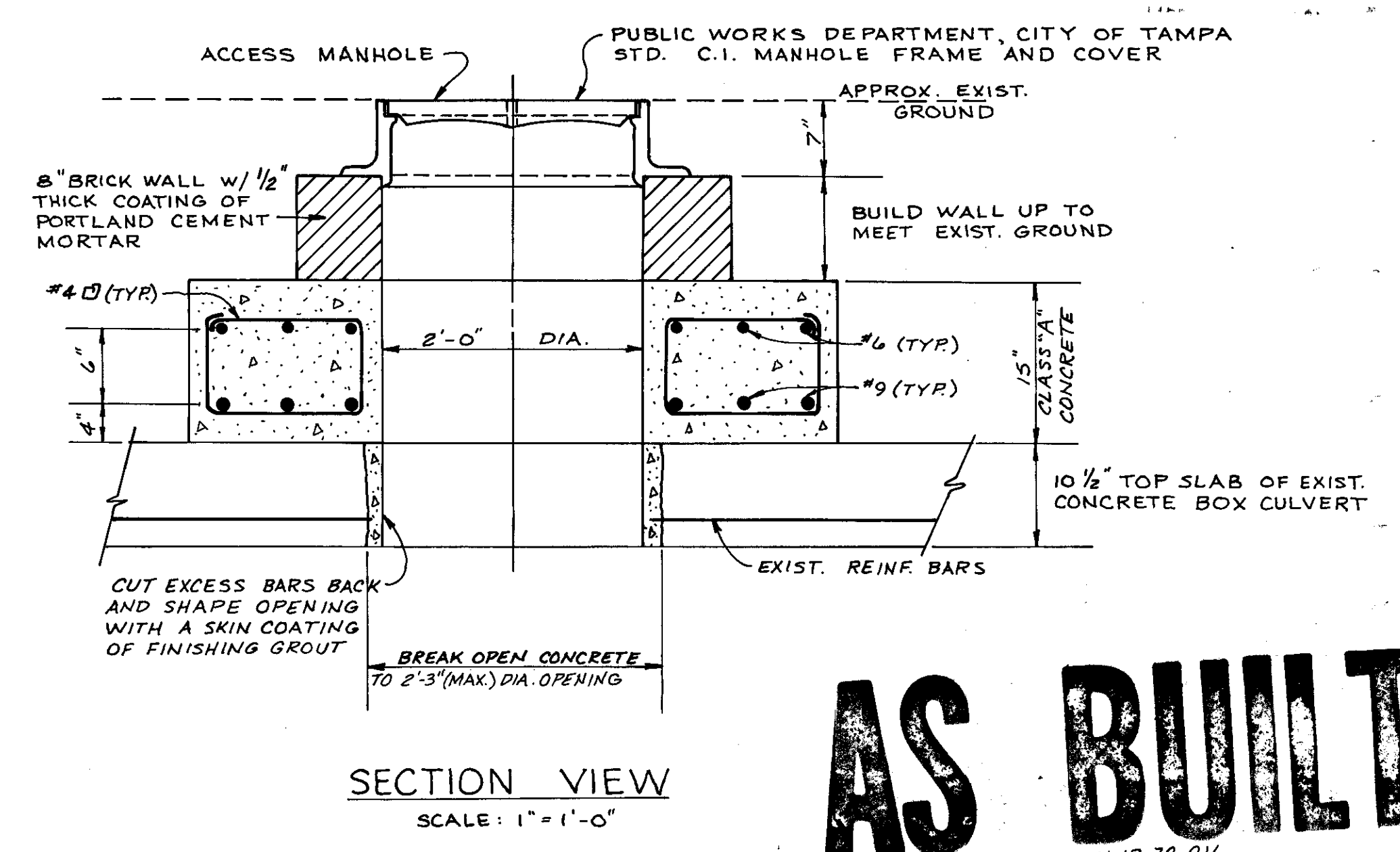
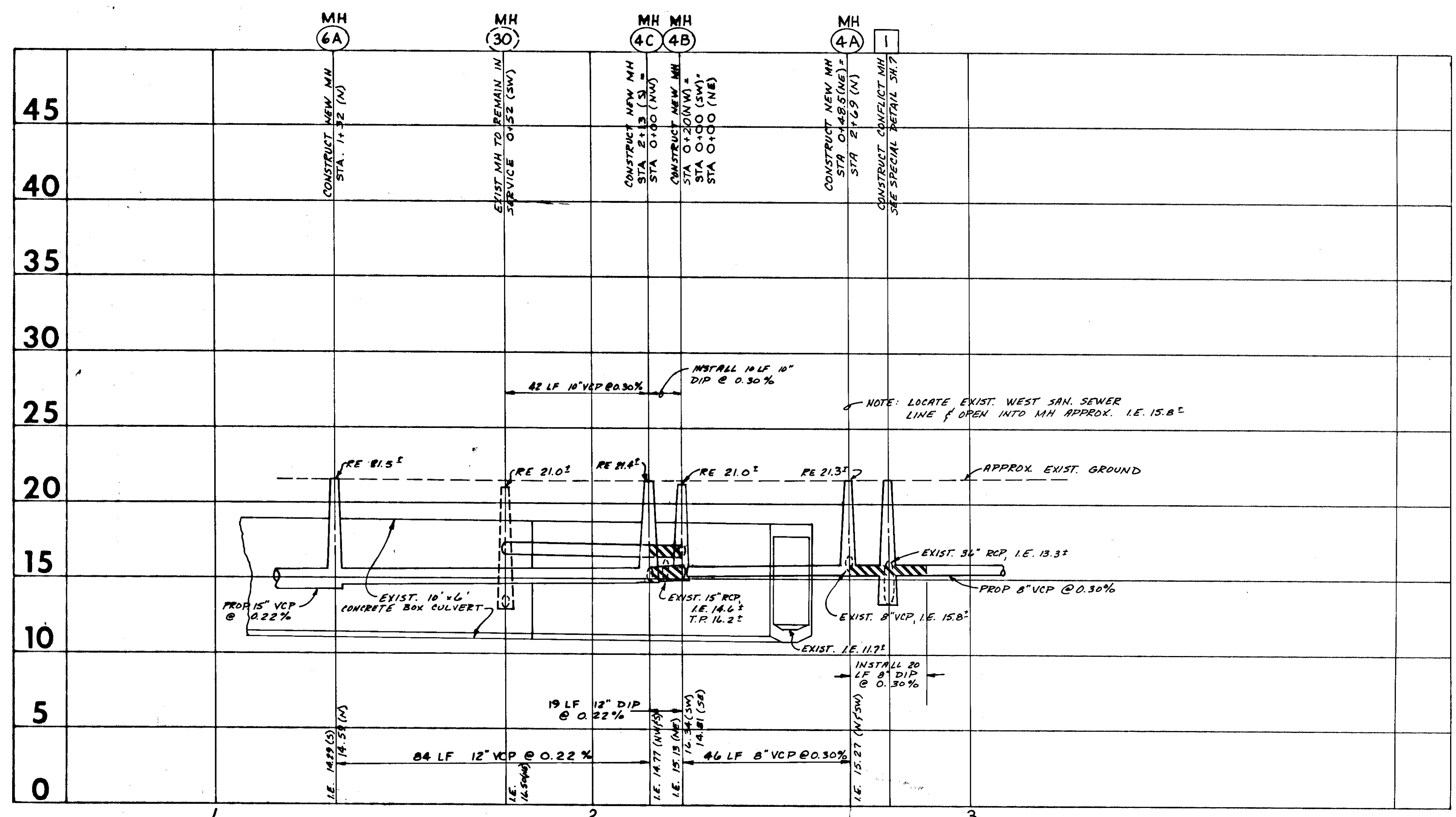
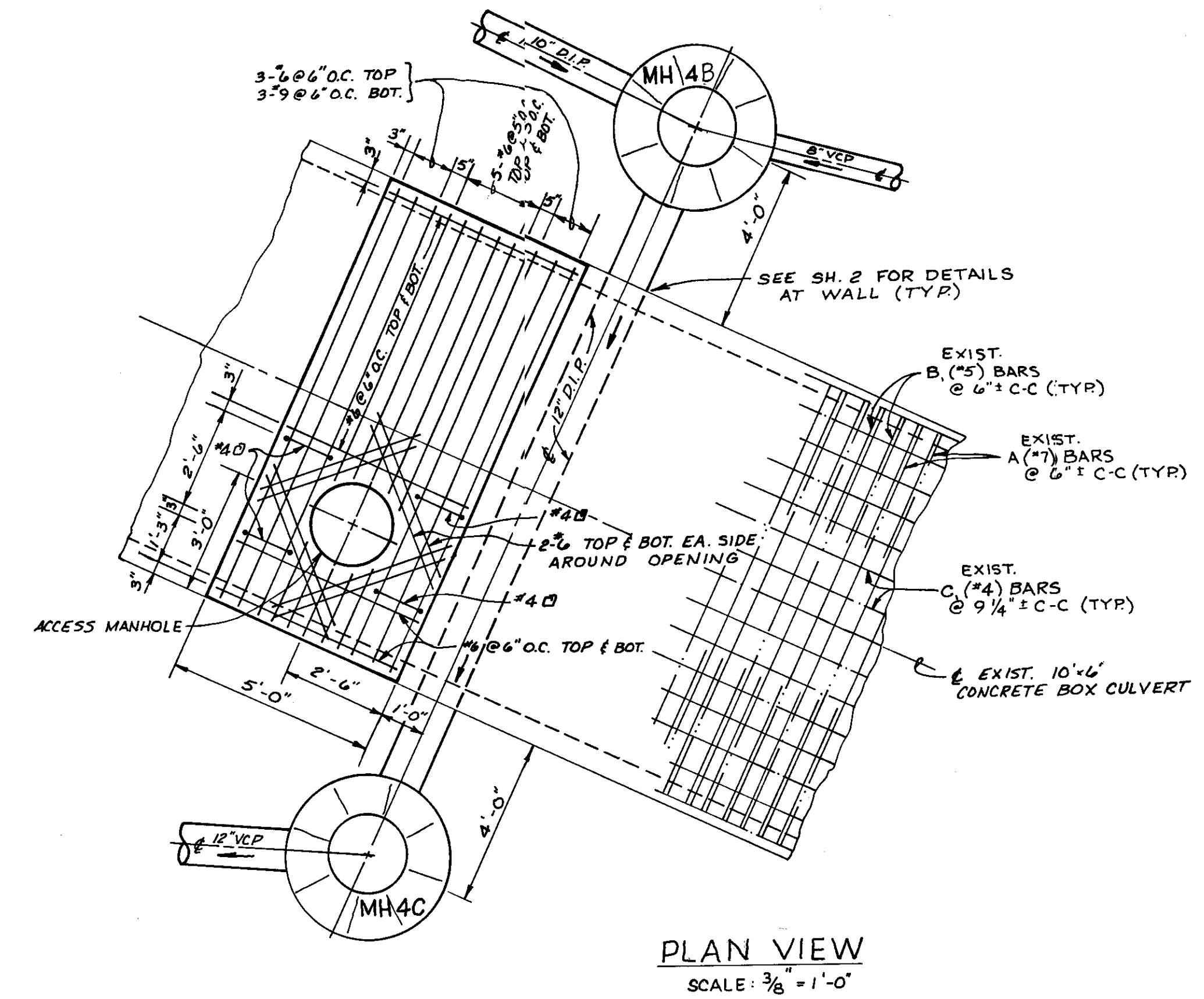
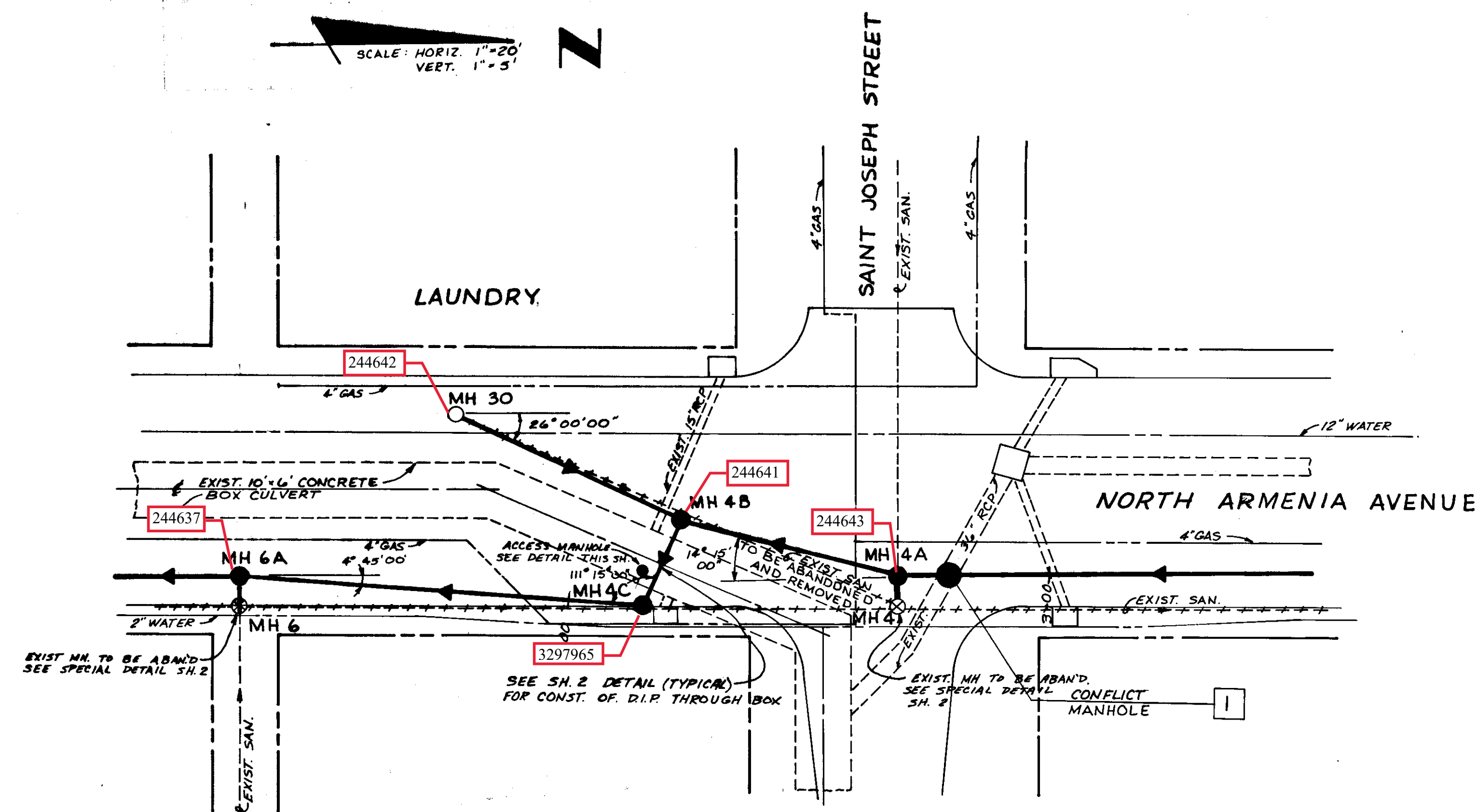


DEPARTMENT OF SANITARY SEWERS
CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENT

ALLEY S. of FIG ST.: N. ARMENIA AVE.
to HABANA AVE.

SHEET

139-45



CONFLICT CROSSING, BOX CULVERT, AND ACCESS MANHOLE

AS BUILT
Manhole Locations 11-13-79 CV.

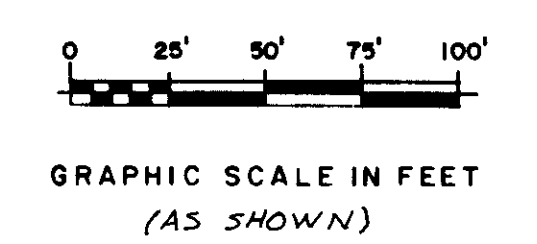
DESIGN E.F.R.
DRAWN E.F.R.
CHECKED D.F.C.
DATE JAN. 12, 1979

P B POST, BUCKLEY, SCHUH & JERNIGAN, INC.
S I J

Approved By:
Dean F. Coburn
Dean F. Coburn, P.E., No. 19872
CHIEF ENGINEER
DEPT. OF SANITARY SEWERS

J.W. Silliman
J.W. Silliman, P.E., Director
DEPT. OF SANITARY SEWERS

6	
5	
4	
3	
2	
1	
NO	DATE
	REVISION



DEPARTMENT OF SANITARY SEWERS
CITY OF TAMPA, FLORIDA
NORTH ARMENIA AVENUE SANITARY SEWER
CONFLICT CROSSING DETAILS

W.D. 5410

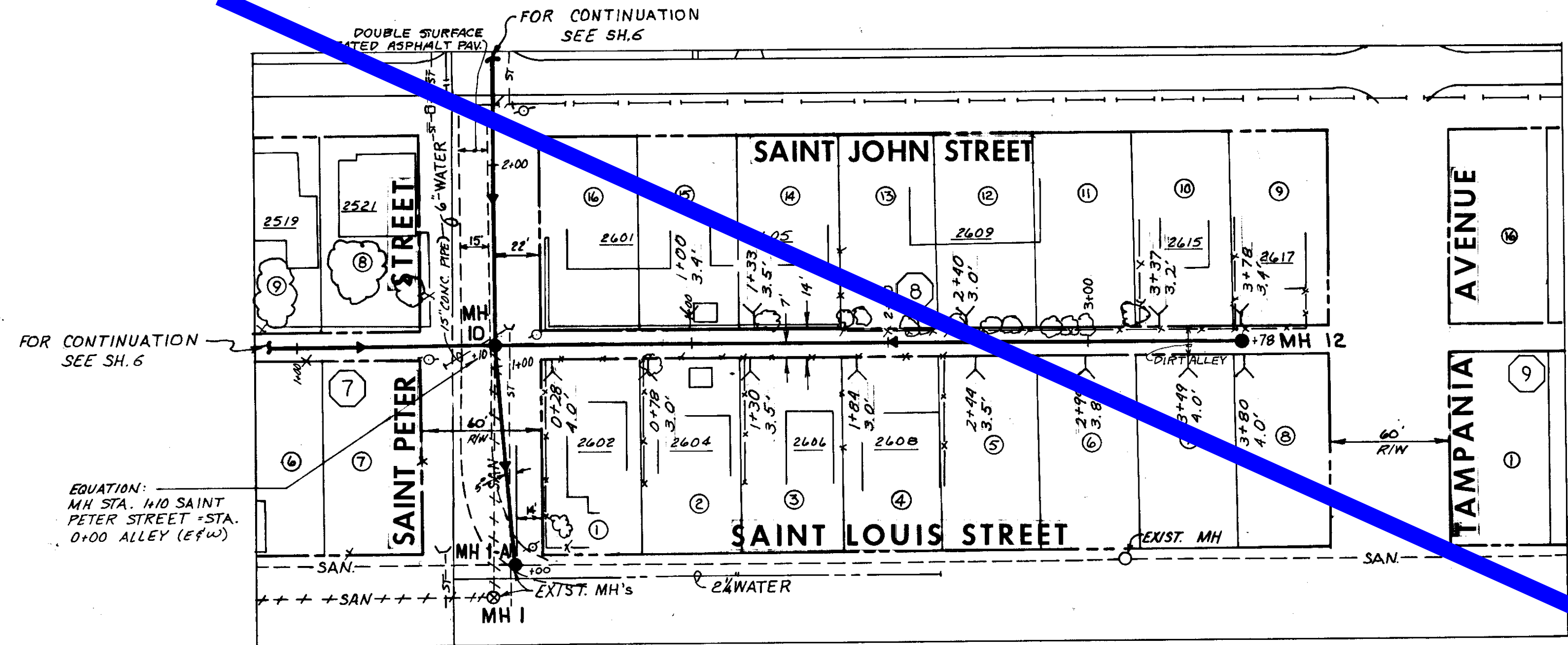
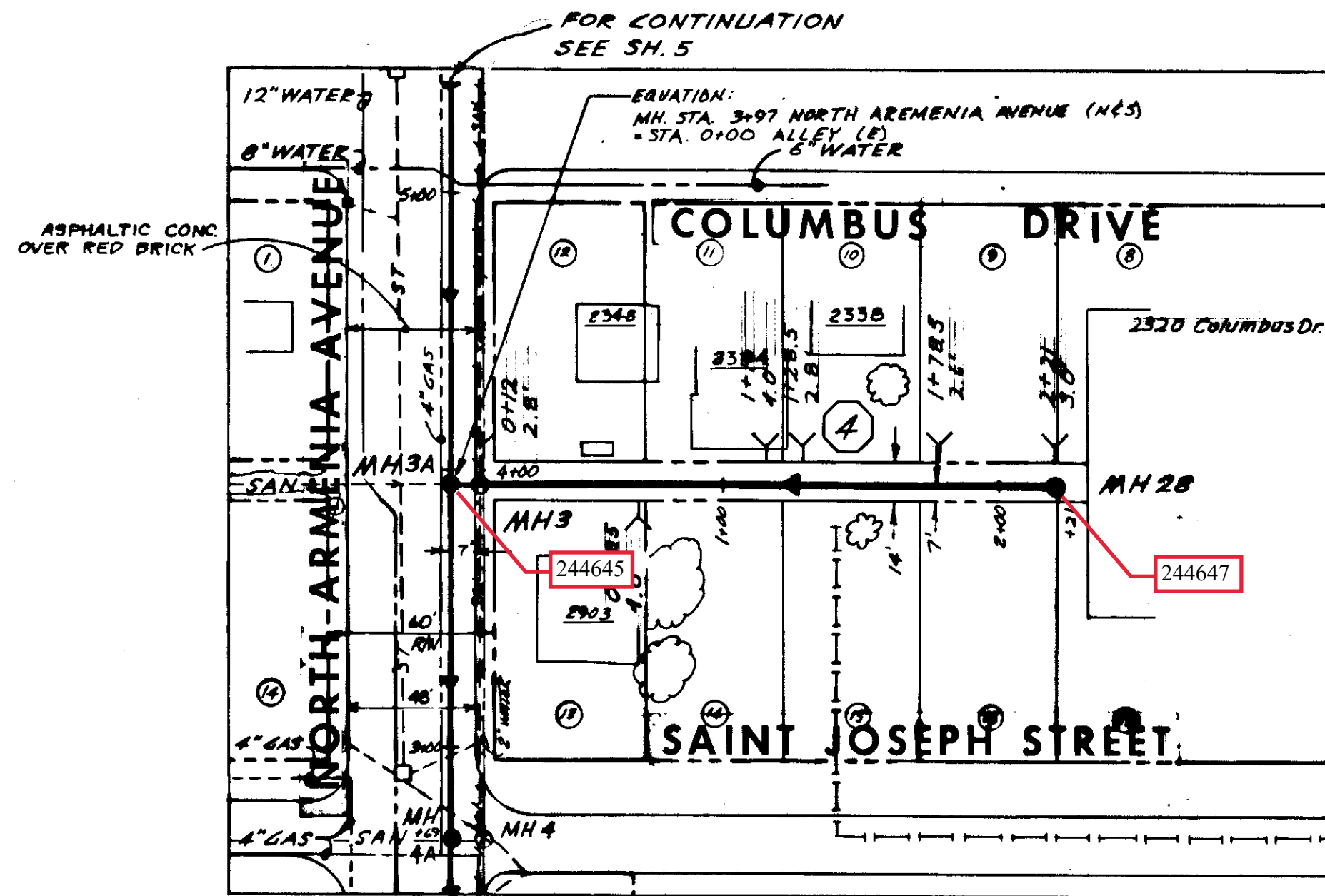
DEAN F. COBURN, P.E.
No. 19120

SHEET
SUPPLEMENTAL
OF 1A

150-2

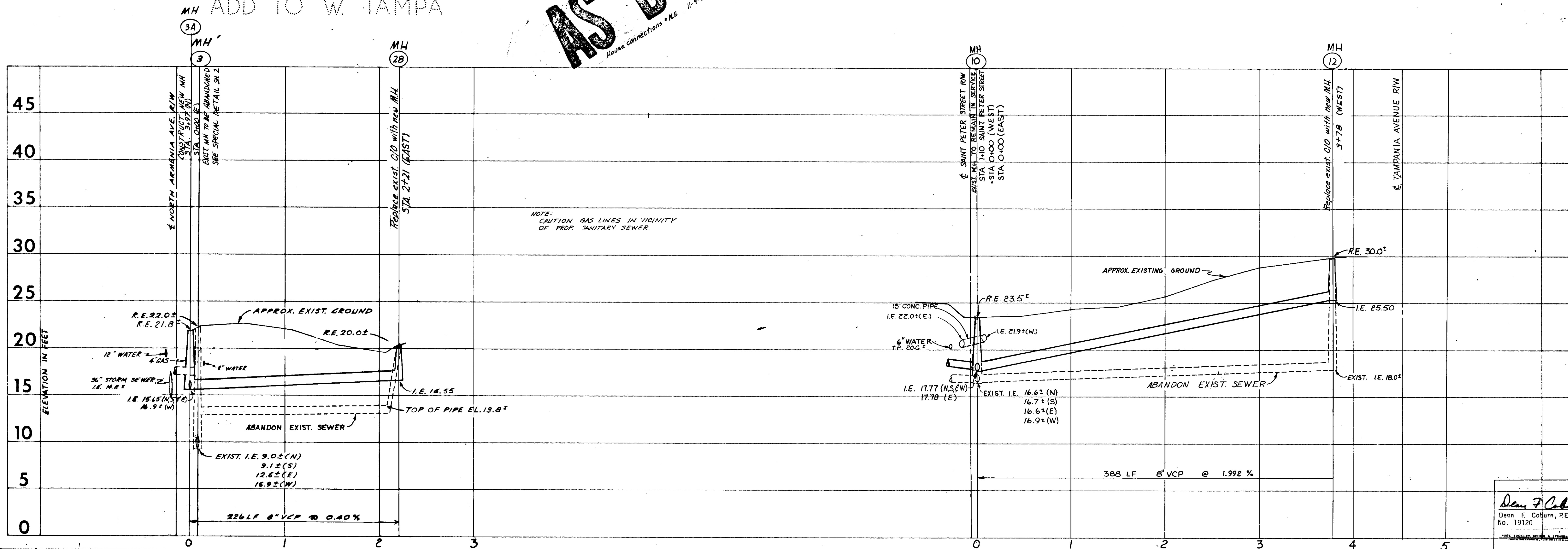
BOUTON & SKINNER
ADD TO W. TAMPA

VILLA ST. LOUIS



BOUTON & SKINNER
ADD TO W. TAMPA

AS BUILT
House Connections - R.H. 11-9-77 C.V.



NOTE: CAUTION GAS LINES IN VICINITY OF PROP. SANITARY SEWER.

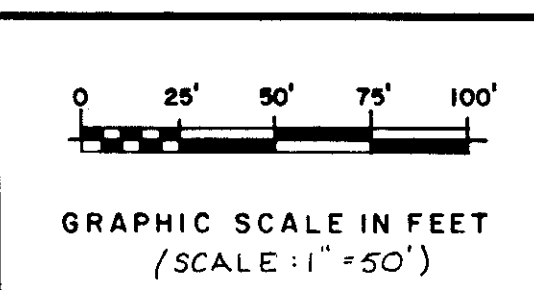
DESIGN **E.L.**
DRAWN **P.B.**
CHECKED **D. COBURN**
DATE **MARCH, 1978**

P.B. POST, BUCKLEY, SCHUH & JERNIGAN, INC.
S.I.J.

Approved By: *J.W. Silliman*
J.W. Silliman, P.E., Director
DEPT. OF SANITARY SEWERS

Elton G. Smith
Elton G. Smith, P.E., No. 19872
CHIEF ENGINEER
DEPT. OF SANITARY SEWERS

6		
5		
4		
3		
2		
1	8-1-78 ADDITION OF TRAVERSE STATIONING & FIELD DATA	
NO	DATE	REVISION



DEPARTMENT OF SANITARY SEWERS
CITY OF TAMPA, FLORIDA

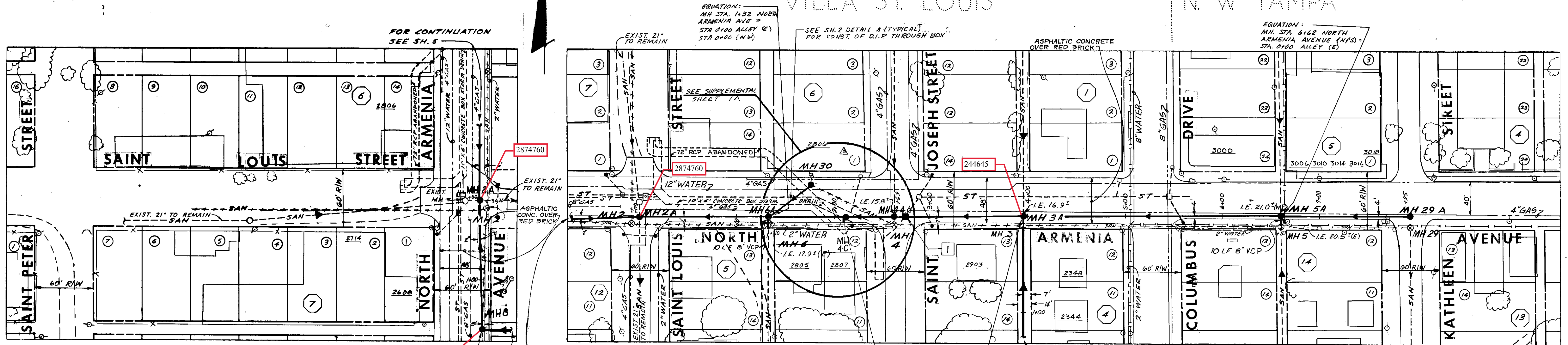
ALLEY SOUTH OF COLUMBUS DRIVE - EAST FROM
ALLEY SOUTH OF SAINT LOUIS STREET - WEST FROM SAINT PETER STREET

150-5

VILLA ST LOUIS

VILLA ST LOUIS

N. W TAMPA

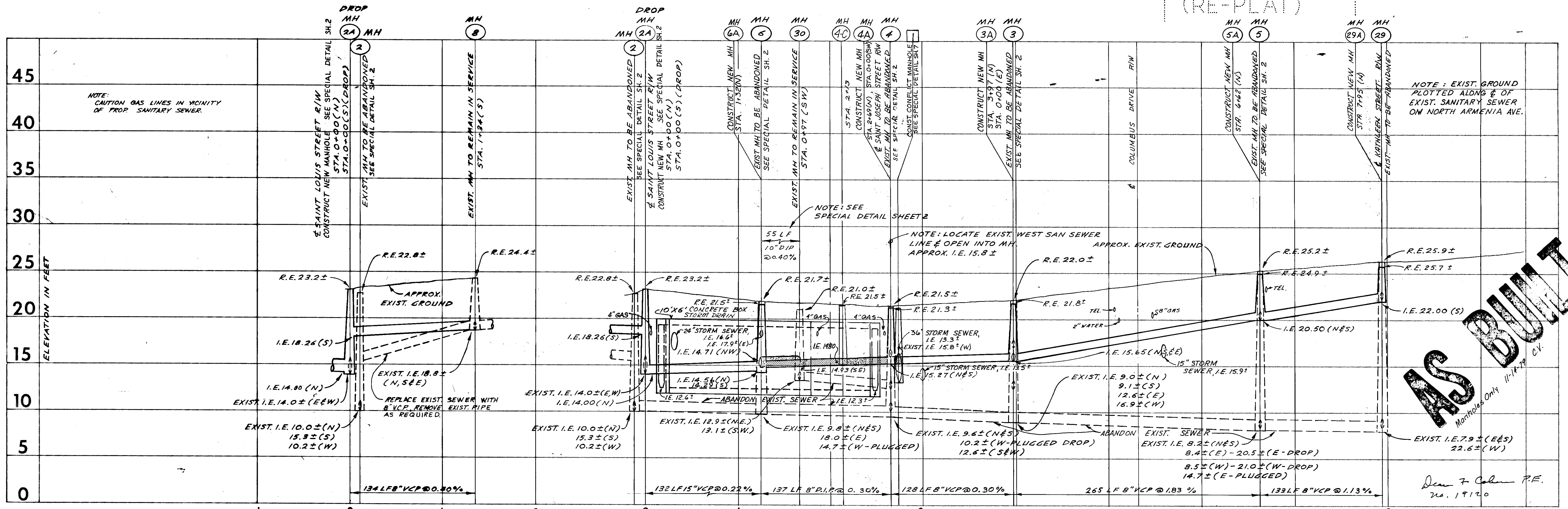


VILLA ST LOUIS

VILLA ST LOUIS

MITCHELL & SHEPARD (RE-PLAT)

N. W TAMPA



AS BUILT
 Manholes Only 11-14-79 C.V.

Drawn by: *[Signature]*
 No. 19120

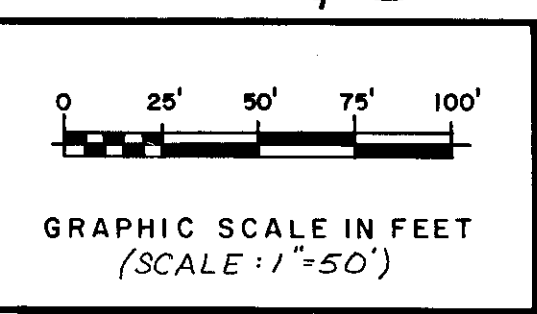
DESIGN: E.P.R.
 DRAWN: W. TURNER
 CHECKED: D. COBURN
 DATE: MARCH, 1976

P B POST, BUCKLEY, SCHUH & JERNIGAN, INC.
 S I J

Approved By: *[Signature]*
 Eilon G. Smith, P.E., No. 19872
 CHIEF ENGINEER
 DEPT. OF SANITARY SEWERS

J.W. Silliman, P.E., Director
 DEPT. OF SANITARY SEWERS

NO.	DATE	REVISION
6		
5		
4		SUPPLEMENT SHEET 1A
3	1-12-79	MODIFICATION OF BOX CULVERT CROSSING SEE
2	8-1-78	ADDITION OF CONFLICT MANHOLE
1	8-1-78	ADDITION OF TRAVERSE STATIONING & FIELD DATA



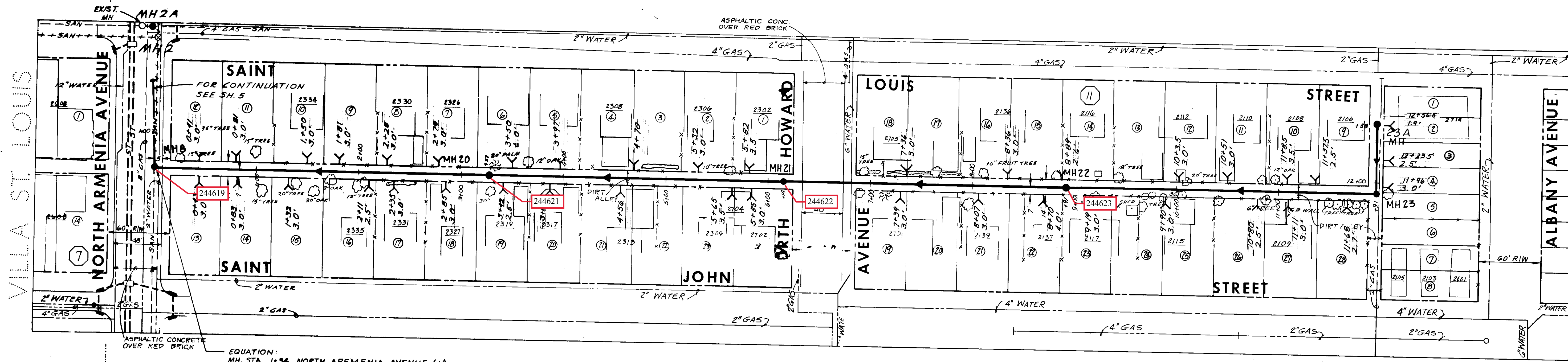
DEPARTMENT OF SANITARY SEWERS
 CITY OF TAMPA, FLORIDA

NORTH ARMENIA AVENUE FROM ALLEY SOUTH OF SAINT LOUIS STREET TO KATHLEEN STREET

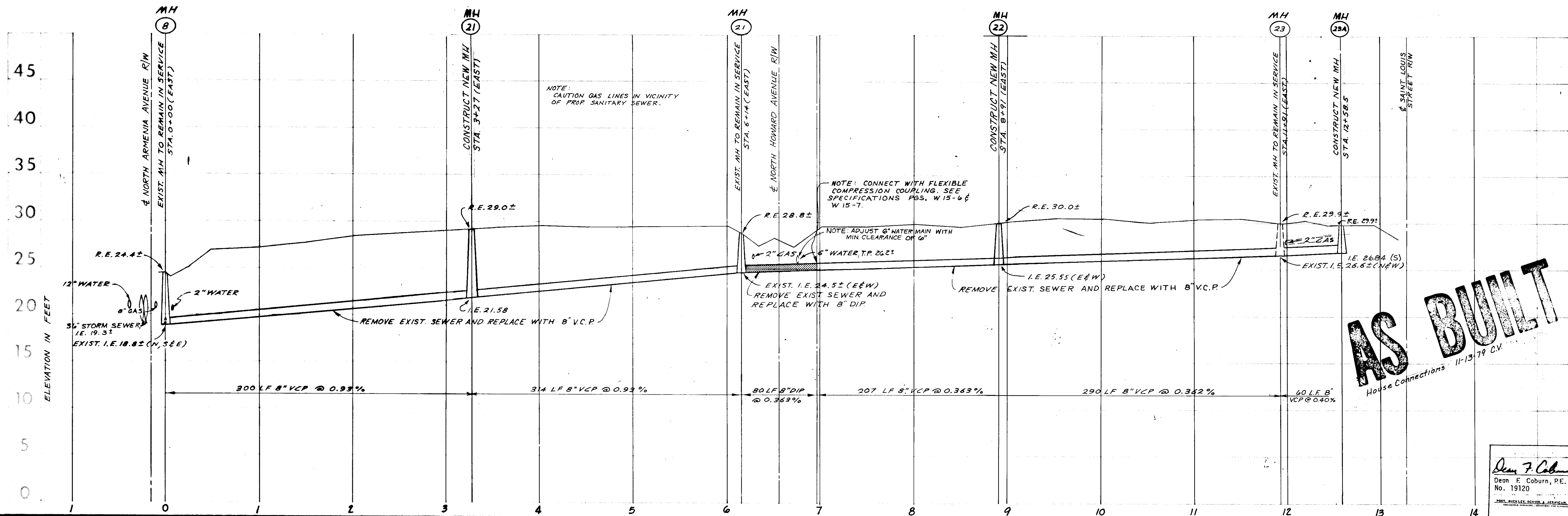
SHEET 5 OF 12

150-6

BOUTON & SKINNER ADD TO W. TAMPA



BOUTON & SKINNER ADD TO W. TAMPA



AS BUILT
House Connections 11-13-79 C.V.

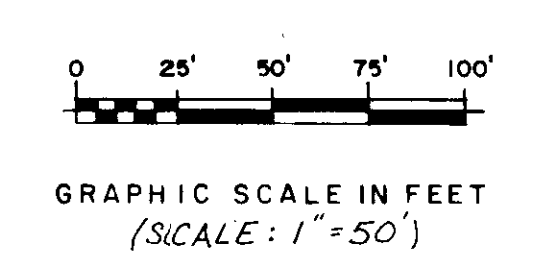
DESIGN: E.F.P.
DRAWN: W. TURNER
CHECKED: D. COBURN
DATE: MARCH, 1978

P B POST, BUCKLEY, SCHUH & JERNIGAN, INC.
S J

Approved By: *J.W. Silliman*
J.W. Silliman, P.E., Director
DEPT. OF SANITARY SEWERS

Elton G. Smith, P.E., No. 19872
CHIEF ENGINEER
DEPT. OF SANITARY SEWERS

NO.	DATE	REVISION
1	8-1-78	ADDITION OF TRAVERSE STATIONING & FIELD DATA
2		
3		
4		
5		
6		



DEPARTMENT OF SANITARY SEWERS
CITY OF TAMPA, FLORIDA
ALLEY SOUTH OF SAINT LOUIS STREET-EAST FROM
NORTH ARMENIA AVENUE

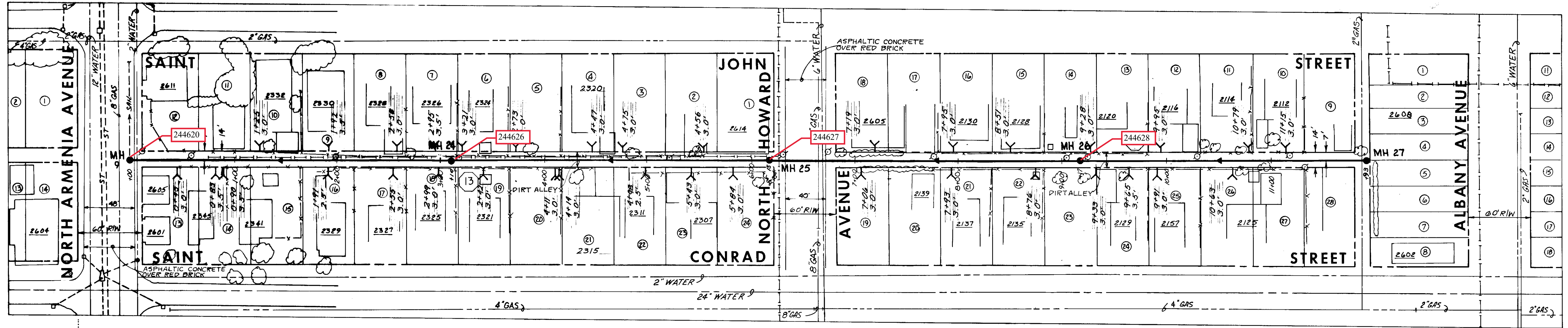
Dean F. Coburn, P.E.
No. 19120

SHEET 8
OF 12

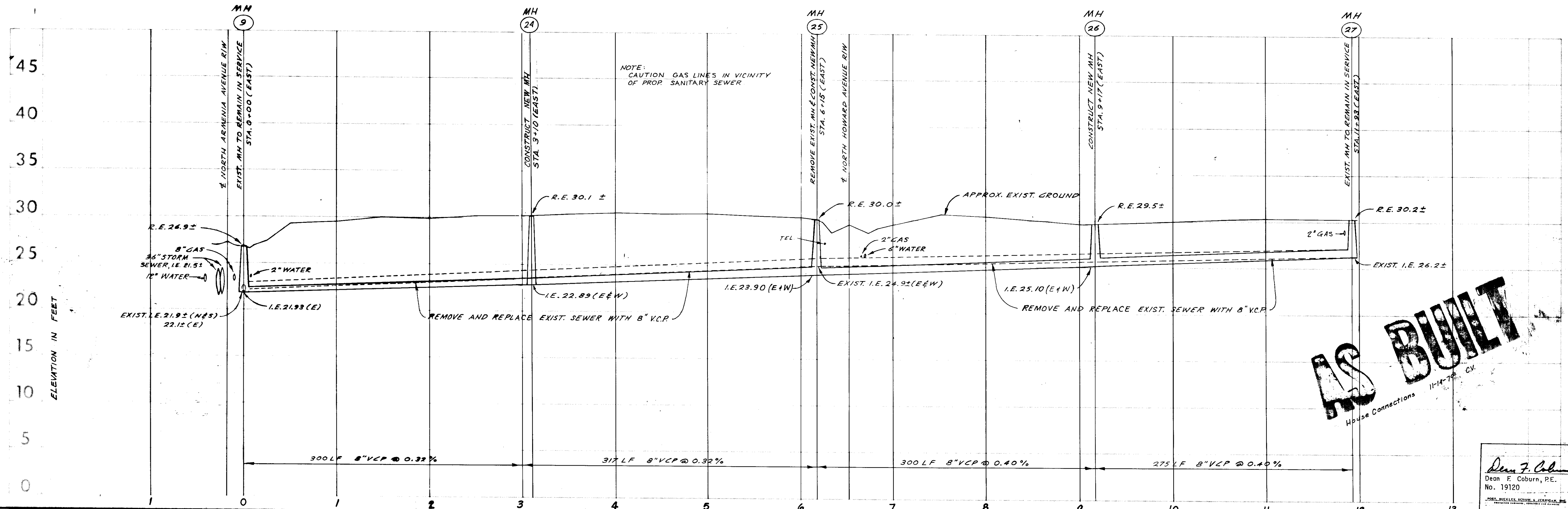
150-9

BOUTON & SKINNER ADD TO W. TAMPA

VILLA ST LOUIS



BOUTON & SKINNER ADD TO W. TAMPA



AS BUILT
House Connections 11-14-78, CV.

Dean F. Coburn, P.E.
No. 19120

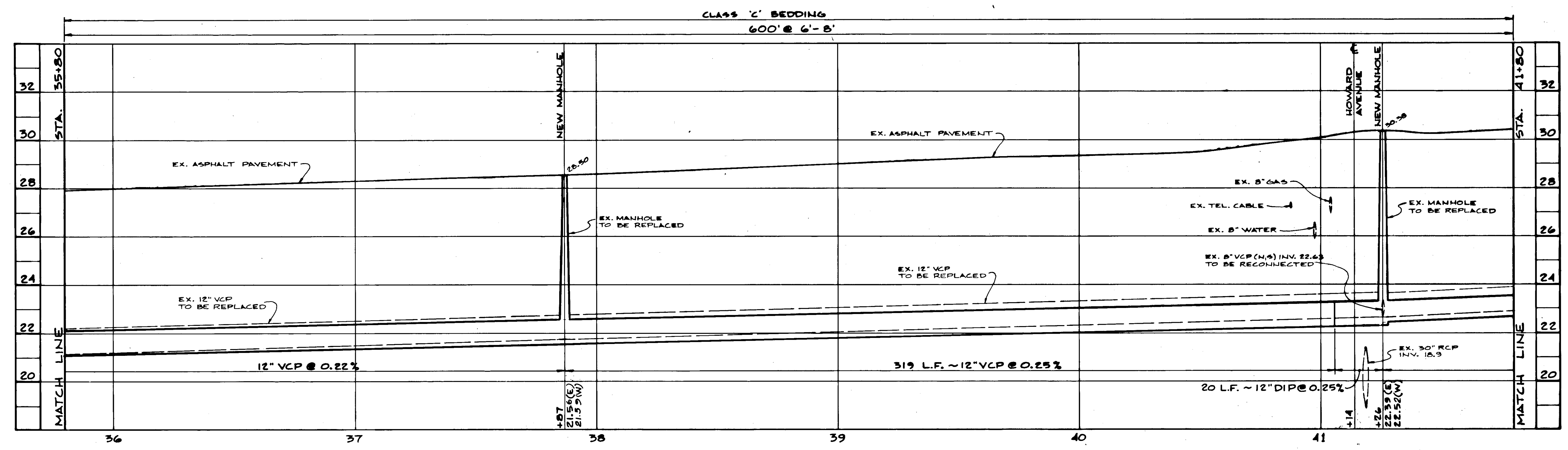
DESIGN: EFP	P B POST, BUCKLEY, SCHUH & JERNIGAN, INC. S J	Approved By: J.W. Silliman, P.E., Director DEPT. OF SANITARY SEWERS	6		GRAPHIC SCALE IN FEET (SCALE: 1" = 50')	DEPARTMENT OF SANITARY SEWERS CITY OF TAMPA, FLORIDA ALLEY SOUTH OF SAINT JOHN STREET-EAST FROM NORTH ARMENIA AVENUE	SHEET 9 OF 12
DRAWN: W. TURNER			5				
CHECKED: D. COBURN			4				
DATE: MARCH, 1978			3				
			2	ADDITION OF TRAVERSE STATIONING & FIELD DATA			
	1	NO. DATE REVISION					

150-10



SPRUCE ST. AT HOWARD AVE.

PLAN



SCALE: HORIZONTAL - 1" = 20'
 VERTICAL - 1" = 2'
 PROFILE

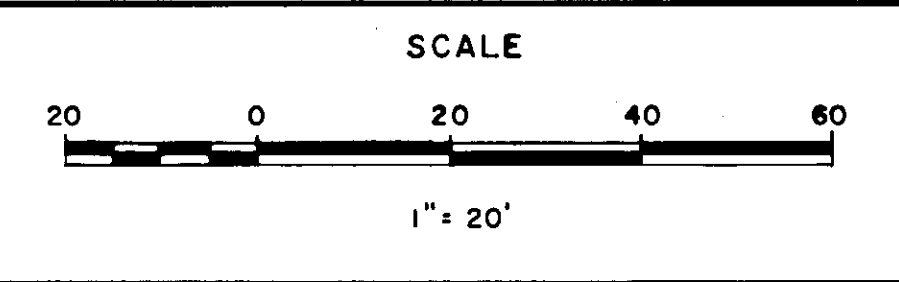
AS BUILT
 06-8-85

REYNOLDS, SMITH AND HILLS
 ARCHITECTS • ENGINEERS • PLANNERS
 INCORPORATED
 TAMPA FLORIDA

DALE D. ERNSBERGER, P.E. #13768

DES. D.D.E. DRN. G.M.T. CKD. D.D.E. DATE: SEPT. 83
 APPROVED BY ELTON G. SMITH, P.E. DIRECTOR DEPARTMENT OF SANITARY SEWERS

NO.	DATE	REVISIONS

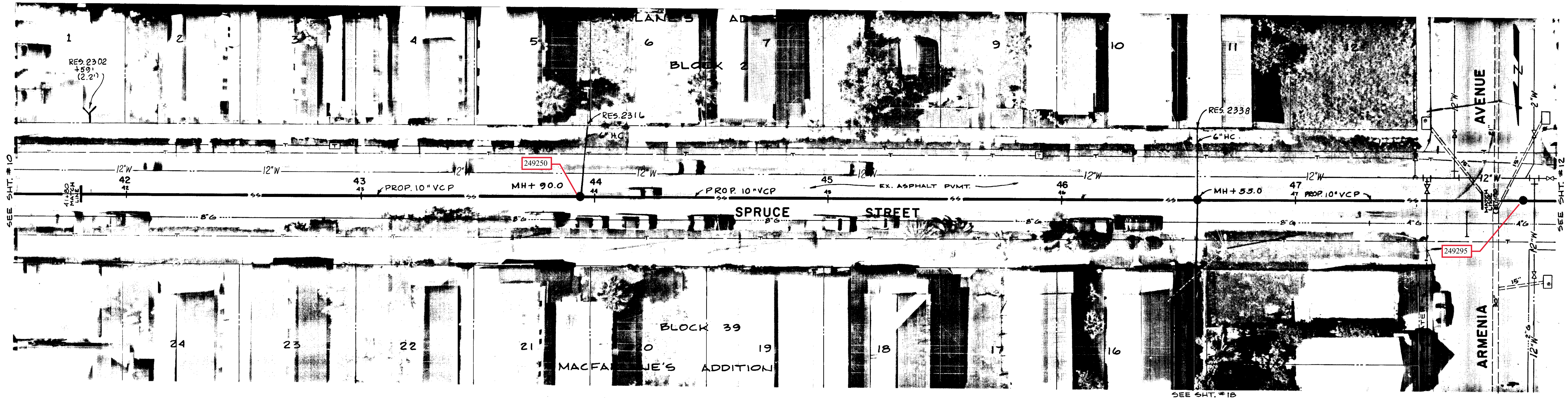


DEPARTMENT of SANITARY SEWERS
 CITY of TAMPA, FLORIDA
 WEST TAMPA NEIGHBORHOOD SEWER PROJECT

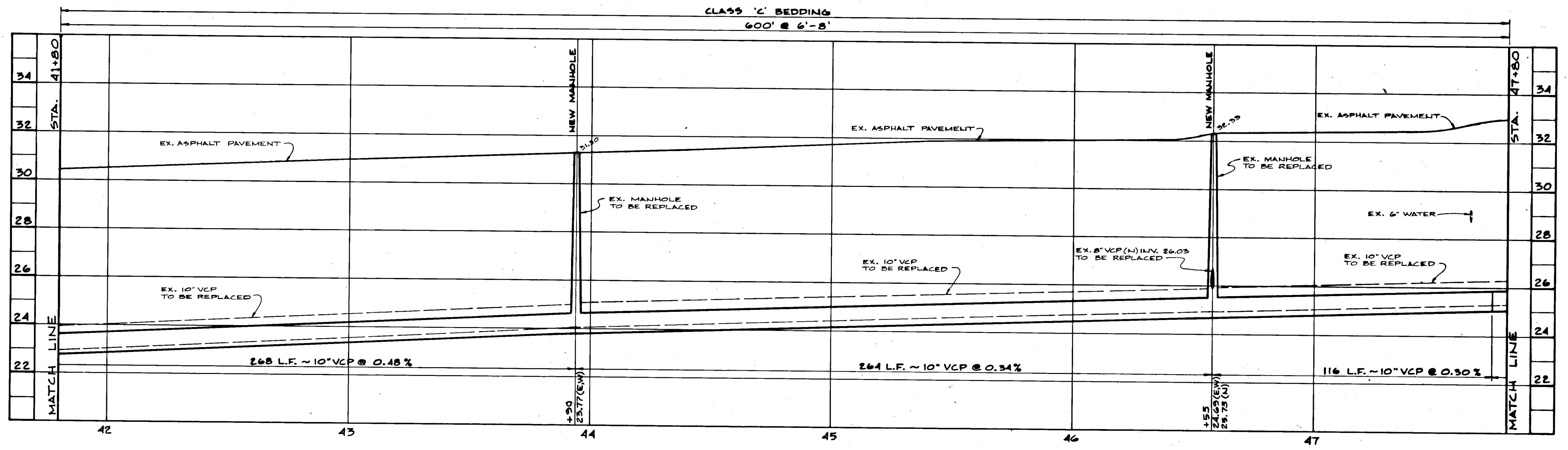
PLAN & PROFILE
 SPRUCE ST. AT HOWARD AVE.
 STA. 35+80 to STA. 41+80

SHEET 10 OF 22

C181-34



PLAN



AS BUILT

12 8-C-85

REYNOLDS, SMITH AND HILLS
ARCHITECTS • ENGINEERS • PLANNERS
INCORPORATED
TAMPA FLORIDA

DES. D.D.E.
DRN. G.M.T.
CKD. D.D.E.
DATE: SEPT. 85

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

NO. DATE REVISIONS

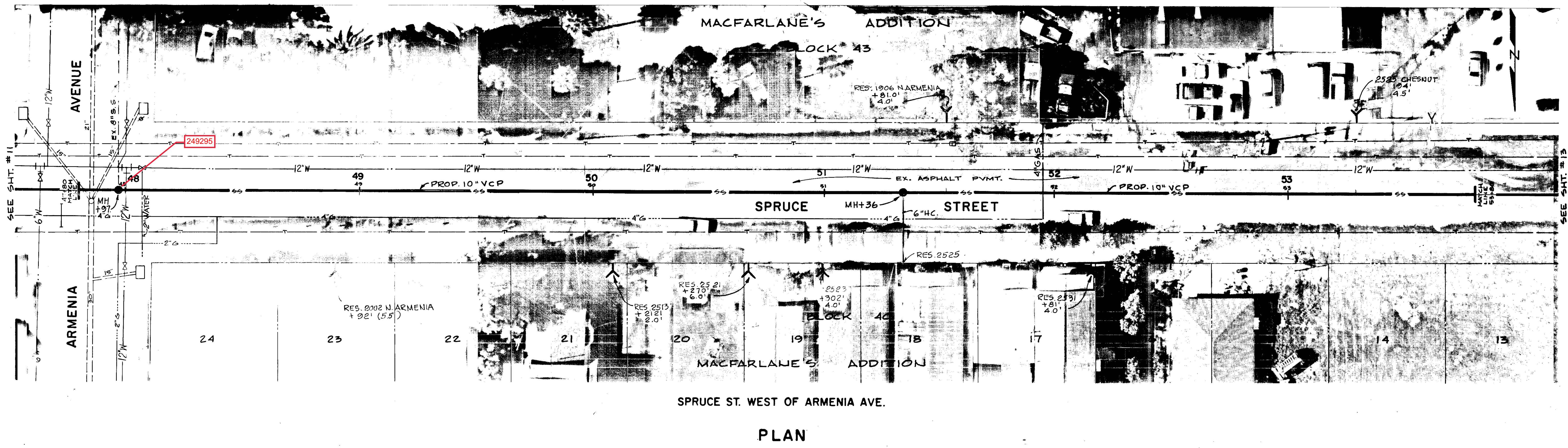
SCALE
20 0 20 40 60
1" = 20'

DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
WEST TAMPA NEIGHBORHOOD SEWER PROJECT

PLAN & PROFILE
SPRUCE ST. EAST OF ARMENIA AVE.
STA. 41+80 to STA. 47+80

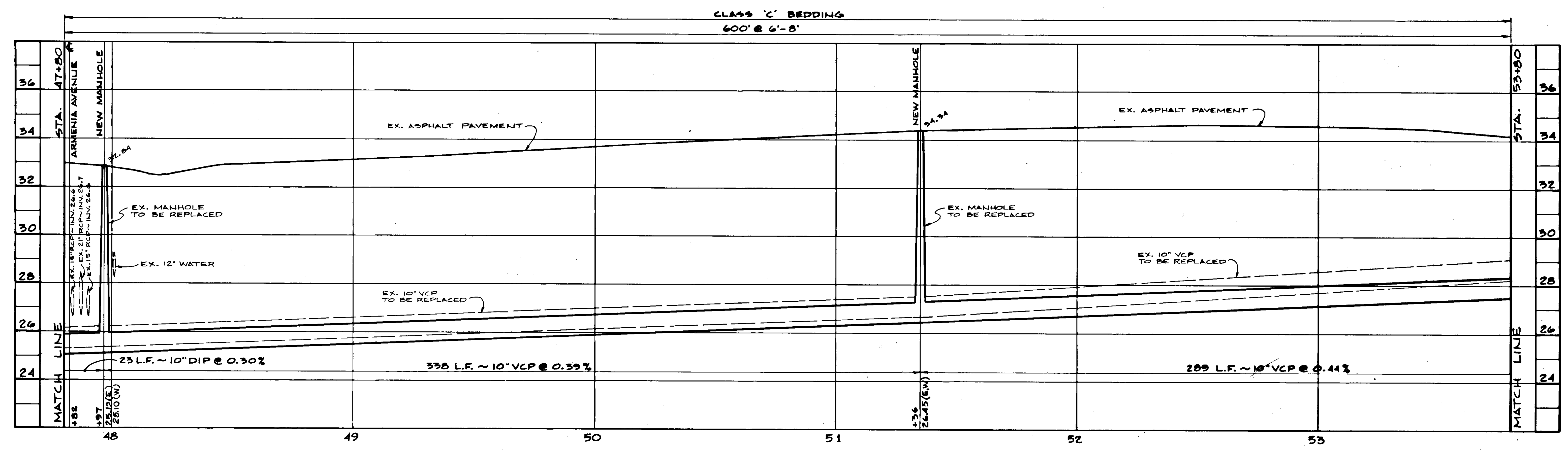
SHEET
11
OF 22

C181-35



SPRUCE ST. WEST OF ARMENIA AVE.

PLAN



SCALE: HORIZONTAL - 1" = 20'
 VERTICAL - 1" = 2'
 PROFILE

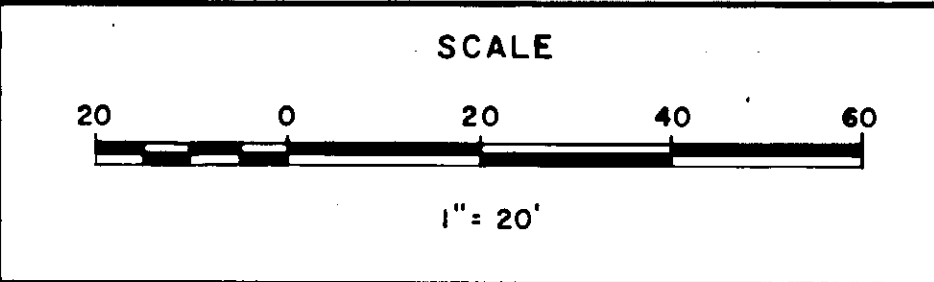
AS BUILT
 06-8-85

REYNOLDS, SMITH AND HILLS
 ARCHITECTS • ENGINEERS • PLANNERS
 INCORPORATED
 TAMPA FLORIDA

DALE D. ERNSBERGER, P.E. #13768

DES. D.D.E. DRN. G.M.T. CKD. D.D.E. DATE: 8-8-85
 APPROVED BY: ELTON G. SMITH, P.E. DIRECTOR DEPARTMENT OF SANITARY SEWERS

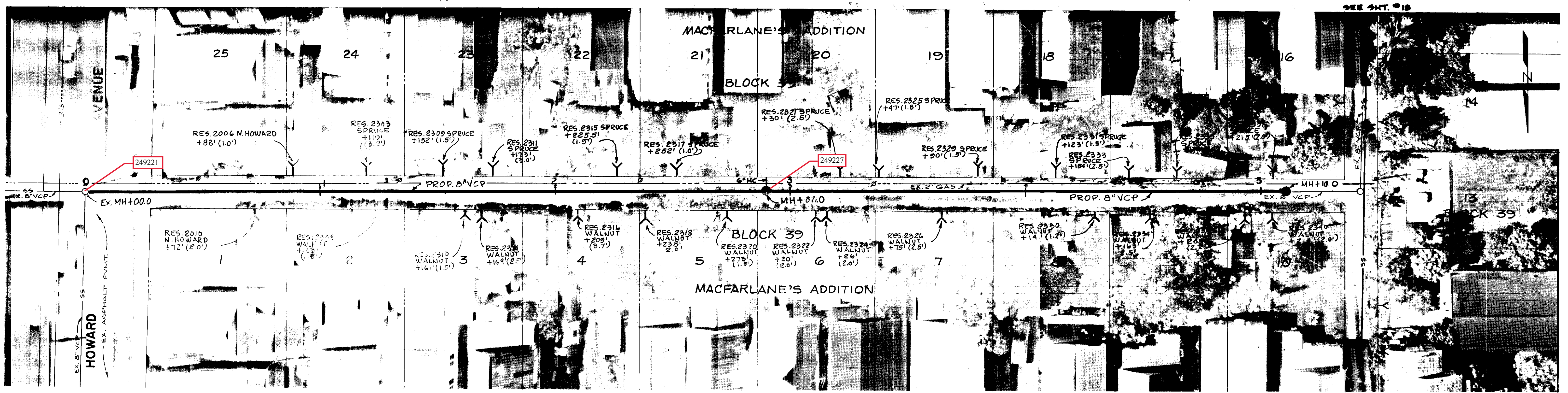
NO.	DATE	REVISIONS



DEPARTMENT of SANITARY SEWERS
 CITY of TAMPA, FLORIDA
 WEST TAMPA NEIGHBORHOOD SEWER PROJECT

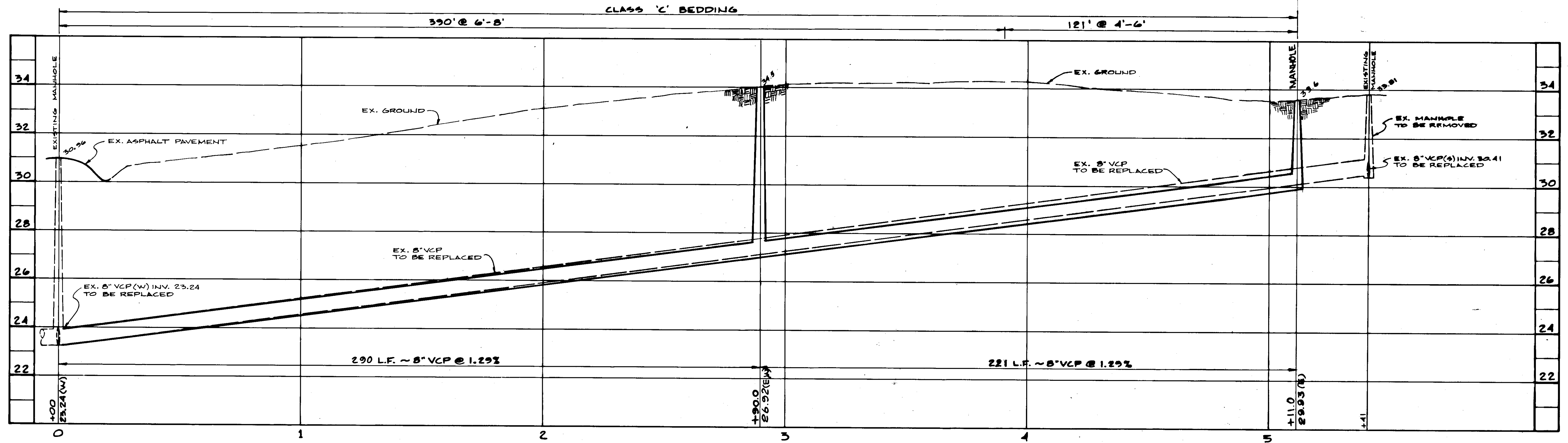
PLAN & PROFILE
 SPRUCE ST. WEST OF ARMENIA AVE.
 STA. 47+80 to STA. 53+80
C181-36

SHEET
12
 OF 22



ALLEY BETWEEN SPRUCE ST. AND WALNUT ST. WEST OF HOWARD AVE.

PLAN



SCALE: HORIZONTAL - 1" = 20'
VERTICAL - 1" = 2'
PROFILE

AS BUILT

06 8-C-85

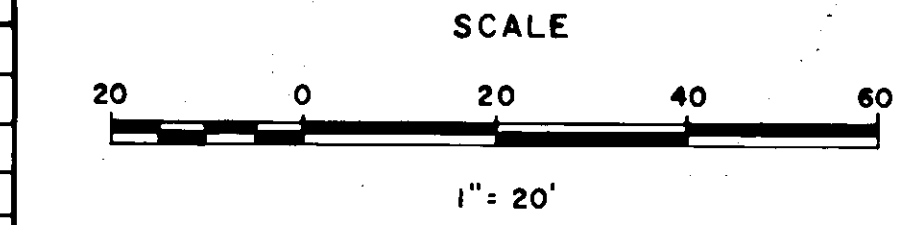
REYNOLDS, SMITH AND HILLS
ARCHITECTS • ENGINEERS • PLANNERS
INCORPORATED
TAMPA FLORIDA

DALE D. ERNSBERGER, P.E. #13768

DES. D.D.E.
DRN. G.M.T.
CKD. D.D.E.
DATE: SEPT. 83

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

NO.	DATE	REVISIONS



DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
WEST TAMPA NEIGHBORHOOD SEWER PROJECT

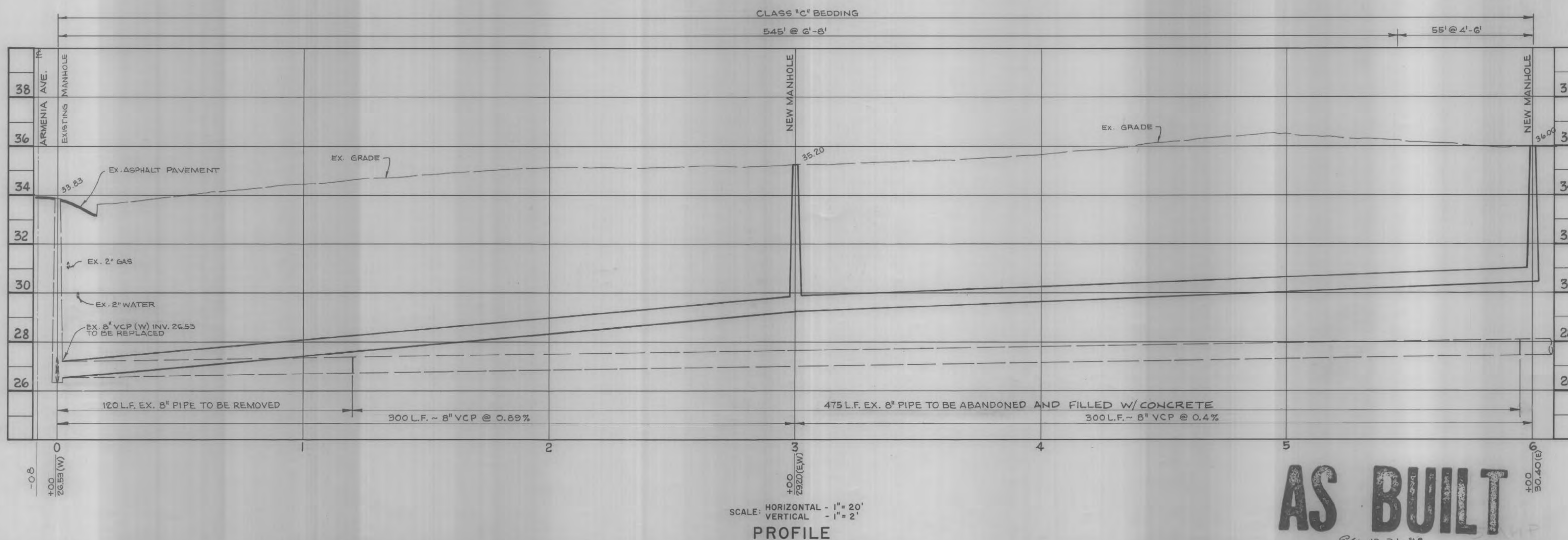
PLAN & PROFILE
ALLEY BETWEEN SPRUCE ST. & WALNUT ST.
WEST OF HOWARD AVE.
STA. 0+00 to STA. 4+85

SHEET
19
OF 22

CT81-43



ALLEY BETWEEN UNION ST. AND CHESTNUT ST.
WEST OF ARMENIA AVE.
PLAN



SCALE: HORIZONTAL - 1" = 20'
VERTICAL - 1" = 2'
PROFILE

AS BUILT
26 10-31-87

REYNOLDS, SMITH AND HILLS ARCHITECTS • ENGINEERS • PLANNERS INCORPORATED TAMPA FLORIDA	 DALE D. ERNSBERGER, P.E. #13768	DES. D.D.E.	DEPARTMENT OF SANITARY SEWERS ELTON C. SMITH, DIRECTOR RALPH C. METCALF, II, CHIEF ENGINEER	NO.	DATE	REVISIONS	SCALE 1" = 20'	DEPARTMENT of SANITARY SEWERS CITY of TAMPA, FLORIDA WEST TAMPA NEIGHBORHOOD SEWER PROJECT	PLAN & PROFILE ALLEY BETWEEN UNION ST. & CHESTNUT ST. WEST OF ARMENIA AVE. STA. 0+00 to STA. 6+00	SHEET 11 OF 24
		DRN. G.M.T.		CKD. D.D.E.	DATE: OCT. 83					

209-11

SEE SHT. No. 14



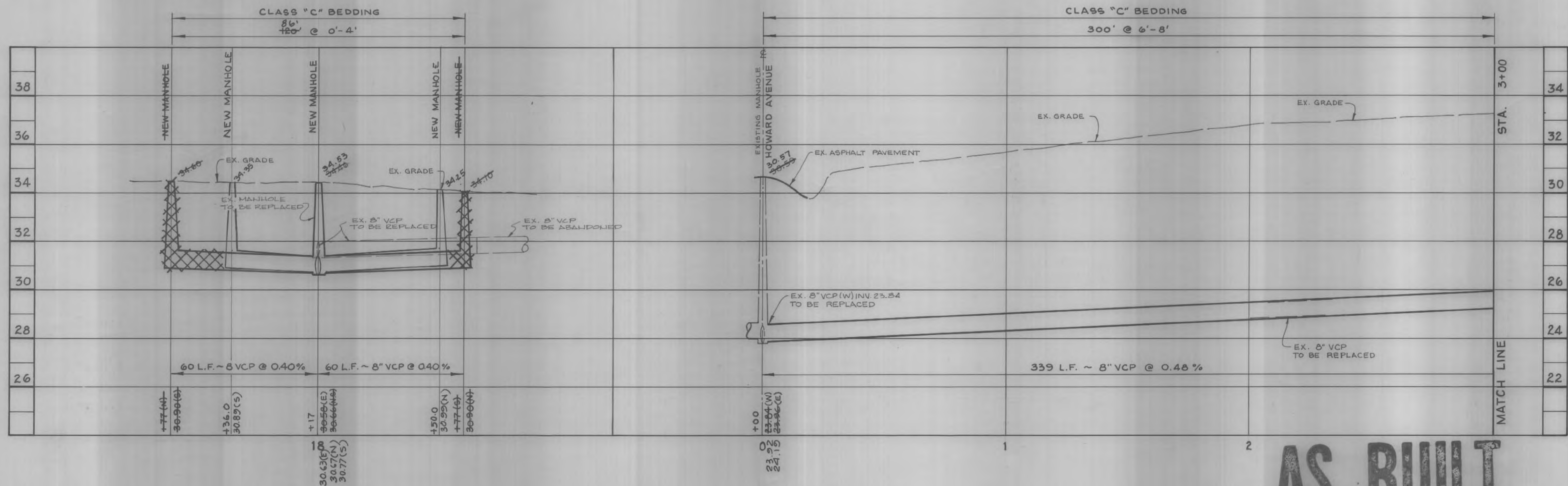
ALLEY BETWEEN SPRUCE ST. AND CHESTNUT ST.
NORTH OF CHESTNUT ST. AND EAST OF MACDILL AVE.

WALNUT ST.



ALLEY BETWEEN WALNUT ST. AND PINE ST.
WEST OF HOWARD AVE.

PLAN

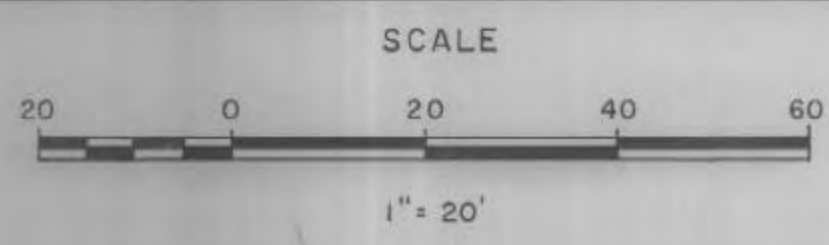


SCALE: HORIZONTAL - 1" = 20'
VERTICAL - 1" = 2'

PROFILE

AS BUILT
10-31-81

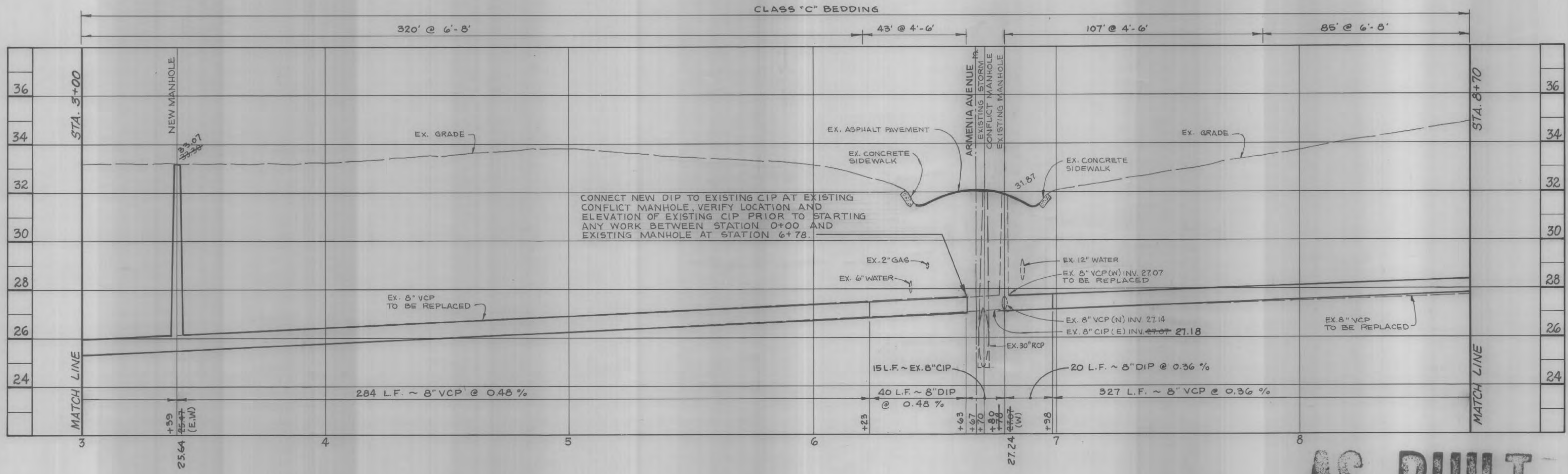
REYNOLDS, SMITH AND HILLS ARCHITECTS • ENGINEERS • PLANNERS INCORPORATED TAMPA FLORIDA	 DALE D. ERNSBERGER, P.E. #13788	DES. D.D.E.	DEPARTMENT OF SANITARY SEWERS	NO.	DATE	REVISIONS	DEPARTMENT of SANITARY SEWERS CITY of TAMPA, FLORIDA WEST TAMPA NEIGHBORHOOD SEWER PROJECT	ALLEY BETWEEN SPRUCE ST. & CHESTNUT ST. STA. 18+17 to STA. 18+77 NORTH STA. 18+17 to STA. 18+77 SOUTH ALLEY BETWEEN WALNUT ST. & PINE ST. STA. 0+00 to STA. 3+00	SHEET 15 OF 24
		DRN. G.M.T.	ELTON G. SMITH, DIRECTOR						
		CKD. D.D.E.	RALPH L. METCALF, II, CHIEF ENGINEER						
		DATE: OCT. 83							



209-15



ALLEY BETWEEN WALNUT ST. AND PINE ST.
EAST & WEST OF ARMENIA AVE.
PLAN



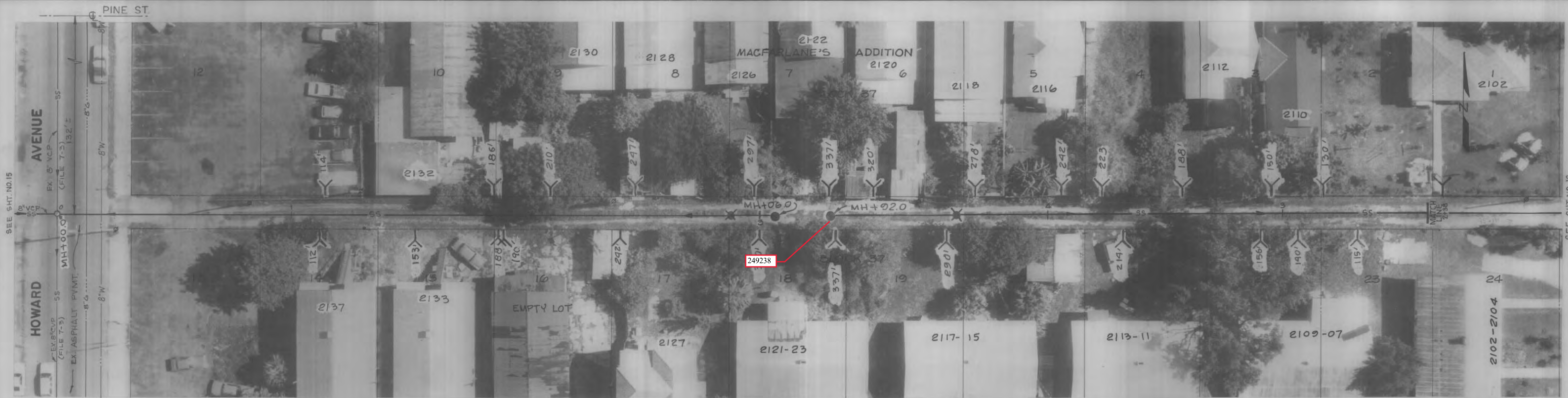
SCALE: HORIZONTAL - 1" = 20'
VERTICAL - 1" = 2'

PROFILE

AS BUILT
El. 10-31-89

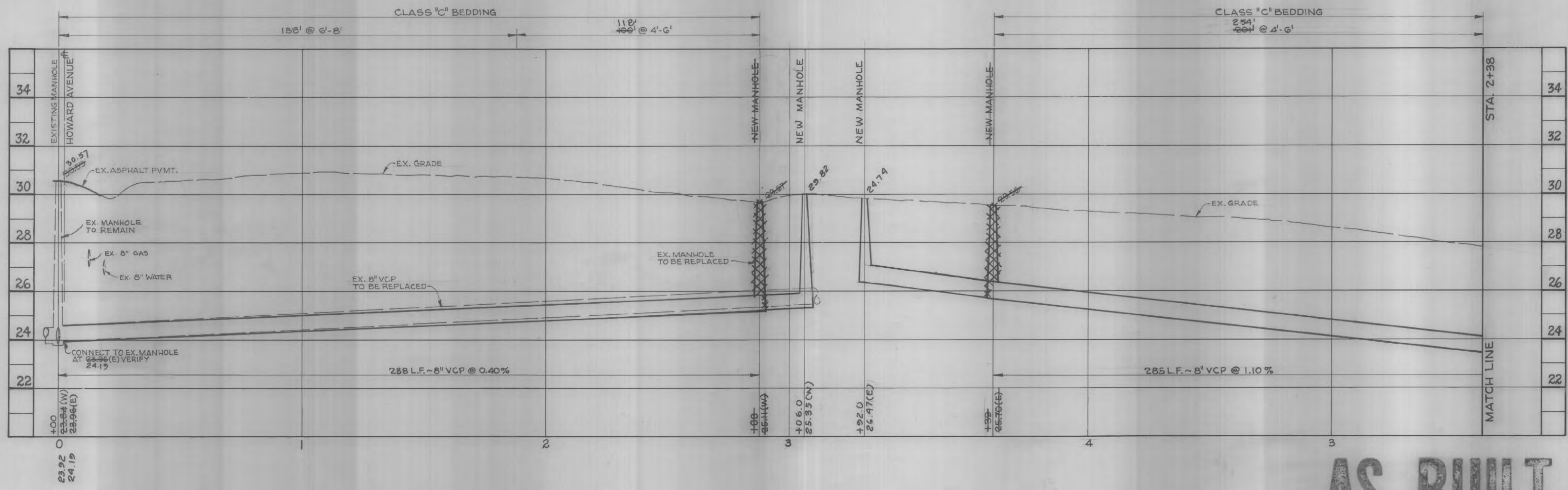
REYNOLDS, SMITH AND HILLS ARCHITECTS • ENGINEERS • PLANNERS INCORPORATED TAMPA FLORIDA	 DALE D. ERNSBERGER, P.E. #13768	DES. D.P.E.	DEPARTMENT OF SANITARY SEWERS ELTON B. SMITH, DIRECTOR RALPH L. METCALF, II, CHIEF ENGINEER	NO.	DATE	REVISIONS	SCALE 1" = 20'	DEPARTMENT of SANITARY SEWERS CITY of TAMPA, FLORIDA WEST TAMPA NEIGHBORHOOD SEWER PROJECT	PLAN & PROFILE ALLEY BETWEEN WALNUT ST. AND PINE ST. EAST & WEST OF ARMENIA AVE. STA. 3+00 to STA. 8+70	SHEET 16 OF 24
		DRN. S.M.T.								
		CKD. D.P.E.								
		DATE: OCT. 83								

209-16



On line Water Valve
SE Corner of Howard & Walnut
Top EL. 8" W/L 27.60

ALLEY BETWEEN PINE ST. AND WALNUT ST.
EAST OF HOWARD AVE. AND WEST OF ALBANY AVE.
PLAN



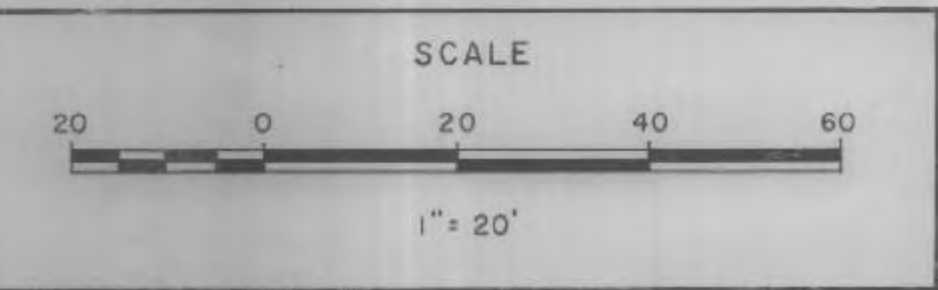
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VERTICAL - 1" = 2'
PROFILE

AS BUILT
06 10-31-87

REYNOLDS, SMITH AND HILLS
ARCHITECTS • ENGINEERS • PLANNERS
INCORPORATED
TAMPA FLORIDA

DALE D. ERNSBERGER, P.E. #3768

DES.	D.D.E.	DRN.	G.M.T.	CKD.	D.D.E.	DATE:	NO.	DATE	REVISIONS
			ELTON G. SMITH, DIRECTOR						
			RALPH L. METCALF, II, CHIEF ENGINEER						



DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
WEST TAMPA NEIGHBORHOOD SEWER PROJECT

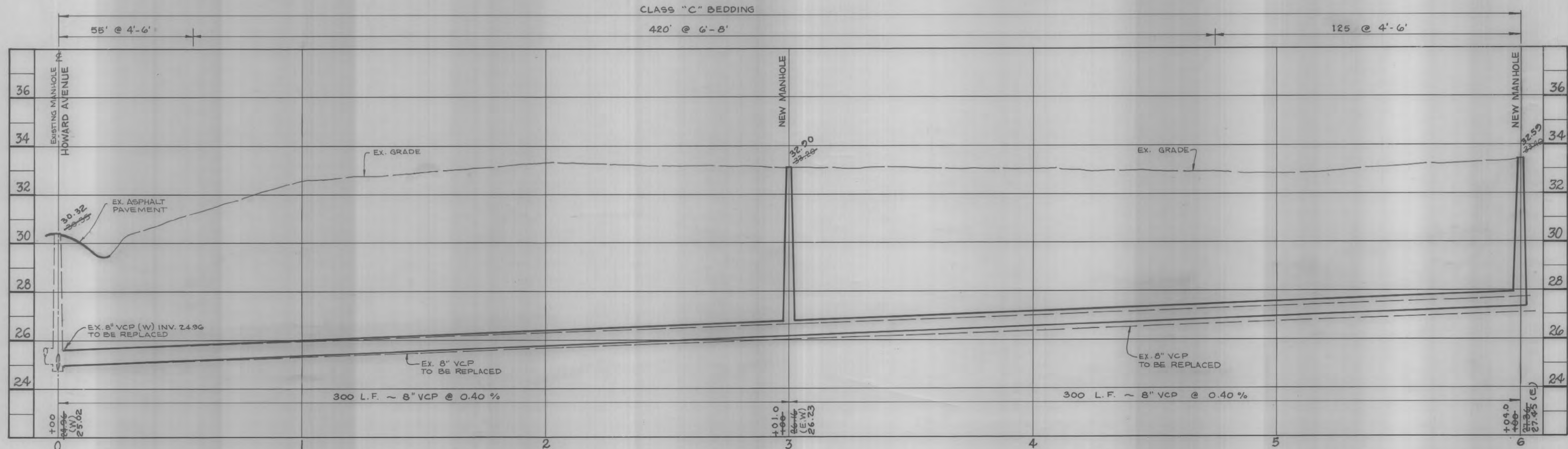
PLAN & PROFILE
ALLEY BETWEEN PINE ST. & WALNUT ST.
EAST OF HOWARD AVE. - STA. 0+00 to STA. 2+88
WEST OF ALBANY AVE. - STA. 2+38 to STA. 4+39

SHEET
19
OF 24

209-19



ALLEY BETWEEN CHERRY ST. AND PINE ST.
WEST OF HOWARD AVE.
PLAN



SCALE: HORIZONTAL - 1" = 20'
VERTICAL - 1" = 2'
PROFILE

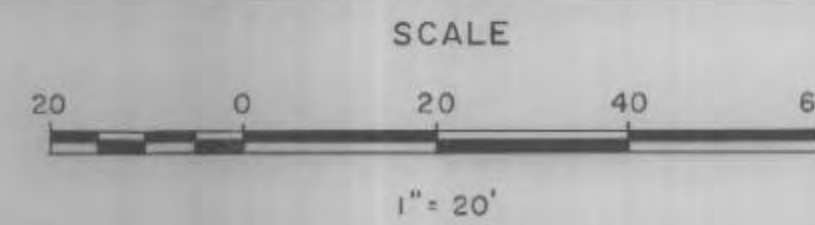
AS BUILT
Elev 10-31-89

REYNOLDS, SMITH AND HILLS
ARCHITECTS • ENGINEERS • PLANNERS
INCORPORATED
TAMPA FLORIDA

DALE D. ERNSBERGER, P.E. #13768

DES. D.D.E.
DRN. S.M.T.
CKD. O.D.E.
DATE: OCT. 83

NO.	DATE	REVISIONS
1		
2		
3		
4		
5		
6		



DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
WEST TAMPA NEIGHBORHOOD SEWER PROJECT

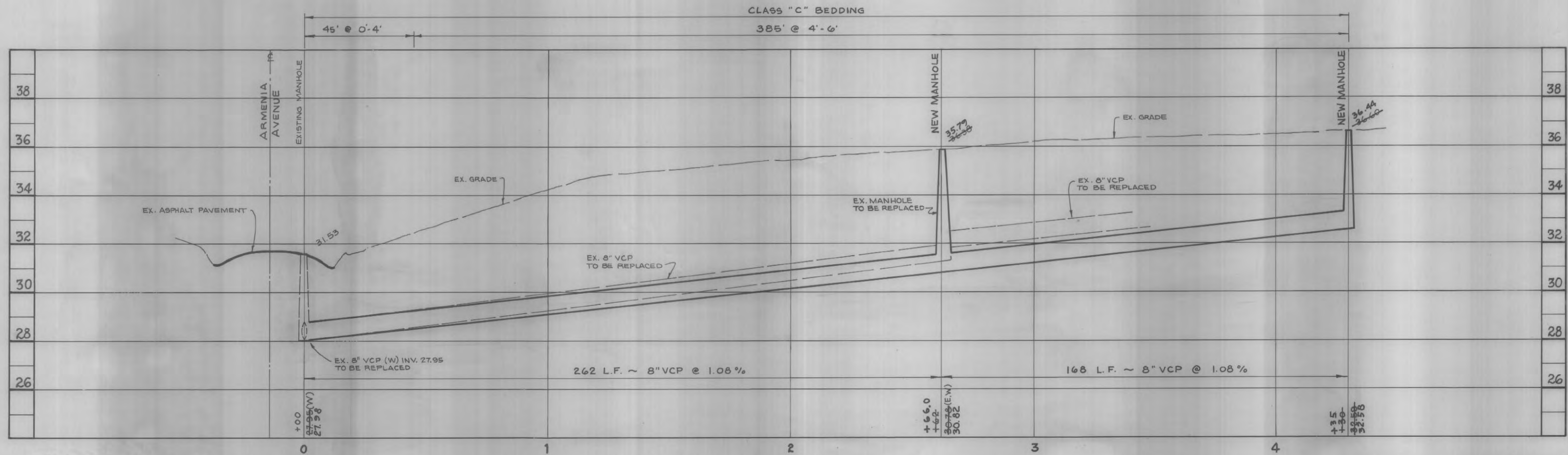
PLAN & PROFILE
ALLEY BETWEEN CHERRY ST. AND PINE ST.
WEST OF HOWARD AVE
STA. 0+00 to STA. 6+00

SHEET
20
OF 24

209-20



ALLEY BETWEEN PINE ST. AND CHERRY ST.
WEST OF ARMENIA AVE.
PLAN

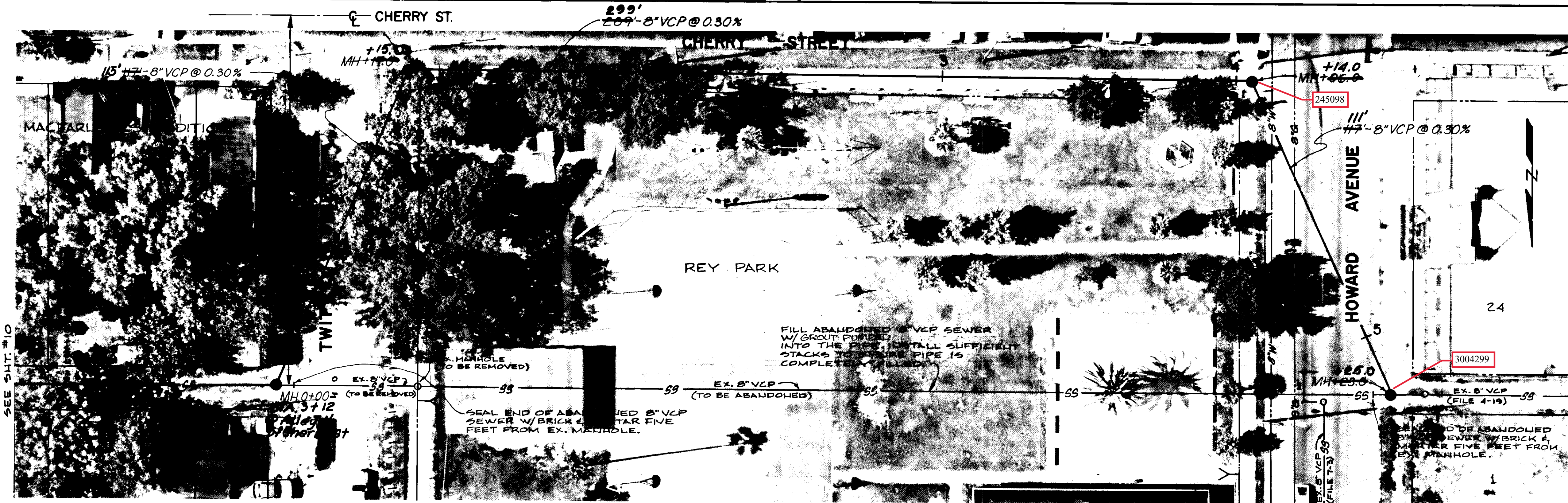


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VERTICAL - 1" = 2'

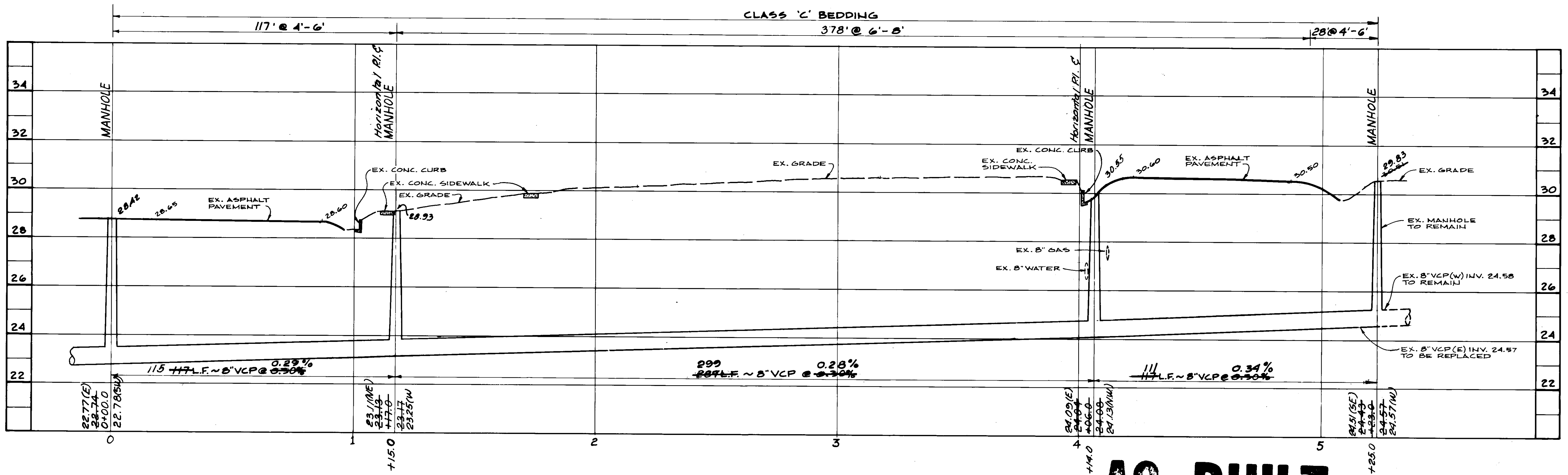
PROFILE

AS BUILT
Oct 10-31-89

REYNOLDS, SMITH AND HILLS ARCHITECTS • ENGINEERS • PLANNERS INCORPORATED TAMPA FLORIDA	 DALE D. ERNSBERGER, P.E. #13768	DES. D.D.E.	DEPARTMENT OF SANITARY SEWERS	NO.	DATE	REVISIONS	SCALE 1" = 20'	DEPARTMENT of SANITARY SEWERS CITY of TAMPA, FLORIDA WEST TAMPA NEIGHBORHOOD SEWER PROJECT	PLAN & PROFILE ALLEY BETWEEN PINE ST. AND CHERRY ST. WEST OF ARMENIA AVE. STA. 0+00 to STA. 4+30	SHEET 21 OF 24 209-21
		DRN. G.M.T.	ELTON G. SMITH, DIRECTOR							
		CKD. D.D.E.	RALPH L. METCALF, II, CHIEF ENGINEER							
		DATE: OCT. 89								



REY PARK NORTH OF CHERRY ST.
BETWEEN TWITT ST. AND HOWARD AVE.
PLAN



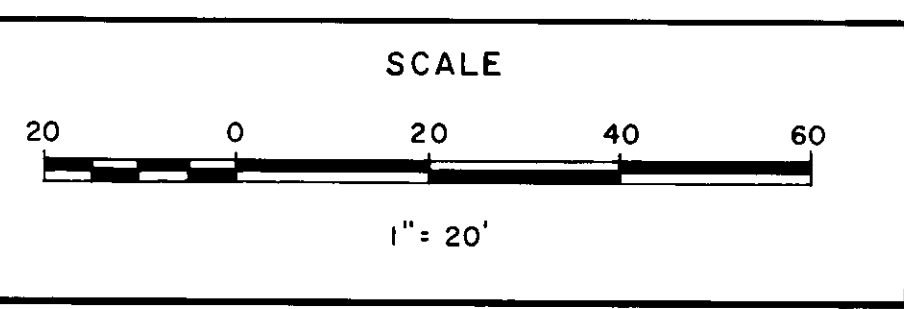
SCALE: HORIZONTAL - 1" = 20'
VERTICAL - 1" = 2'
PROFILE

AS BUILT
Elo 5-18-87

REYNOLDS, SMITH AND HILLS
ARCHITECTS • ENGINEERS • PLANNERS
INCORPORATED
TAMPA FLORIDA

DES. D.D.E. *Dale D. Ernsberger*
DRN. G.M.T.
CKD. D.D.E.
DATE: NOV 1983

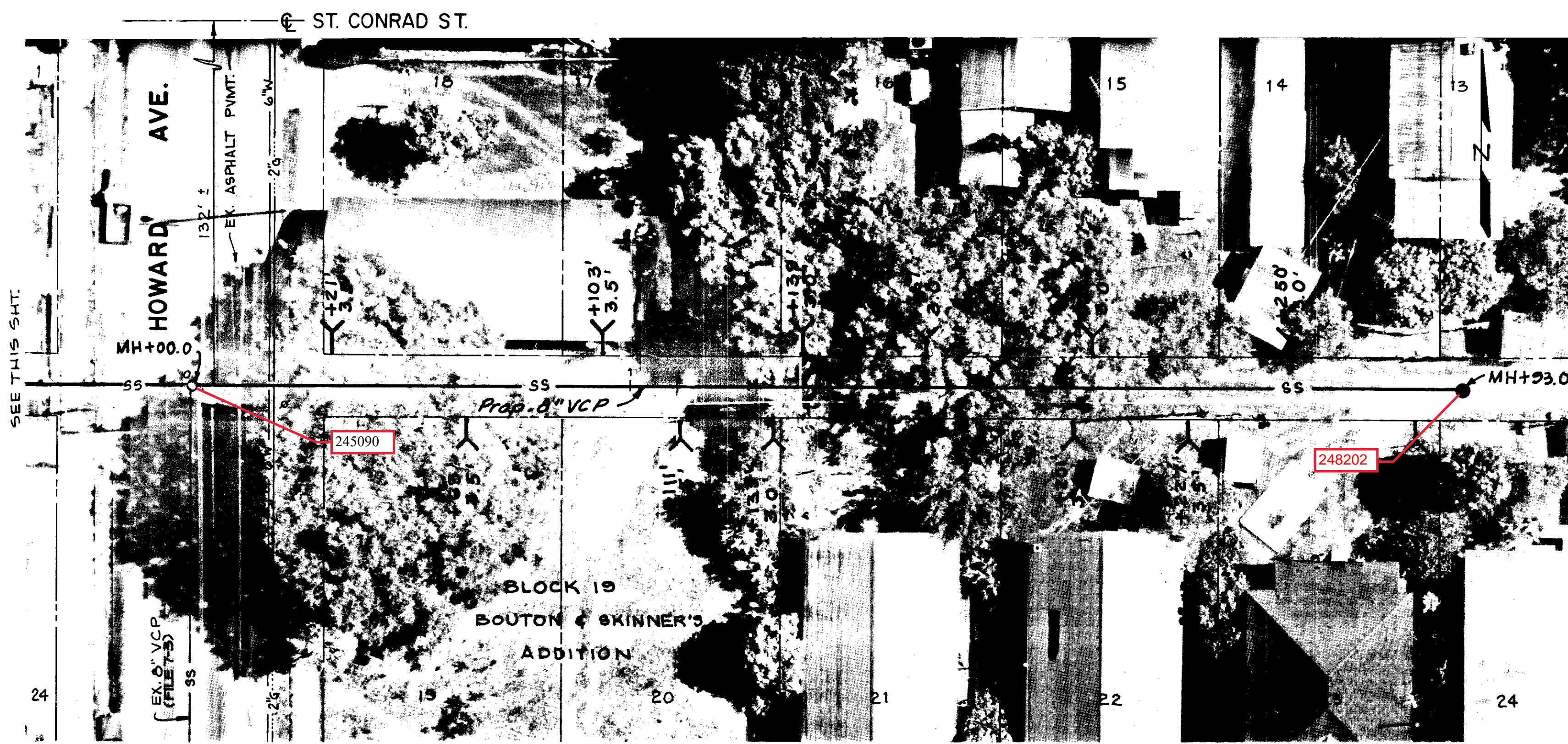
NO	DATE	REVISIONS
1	4-8-86	Revise alignment around Rey Park.
2	5-18-87	As built by survey notes



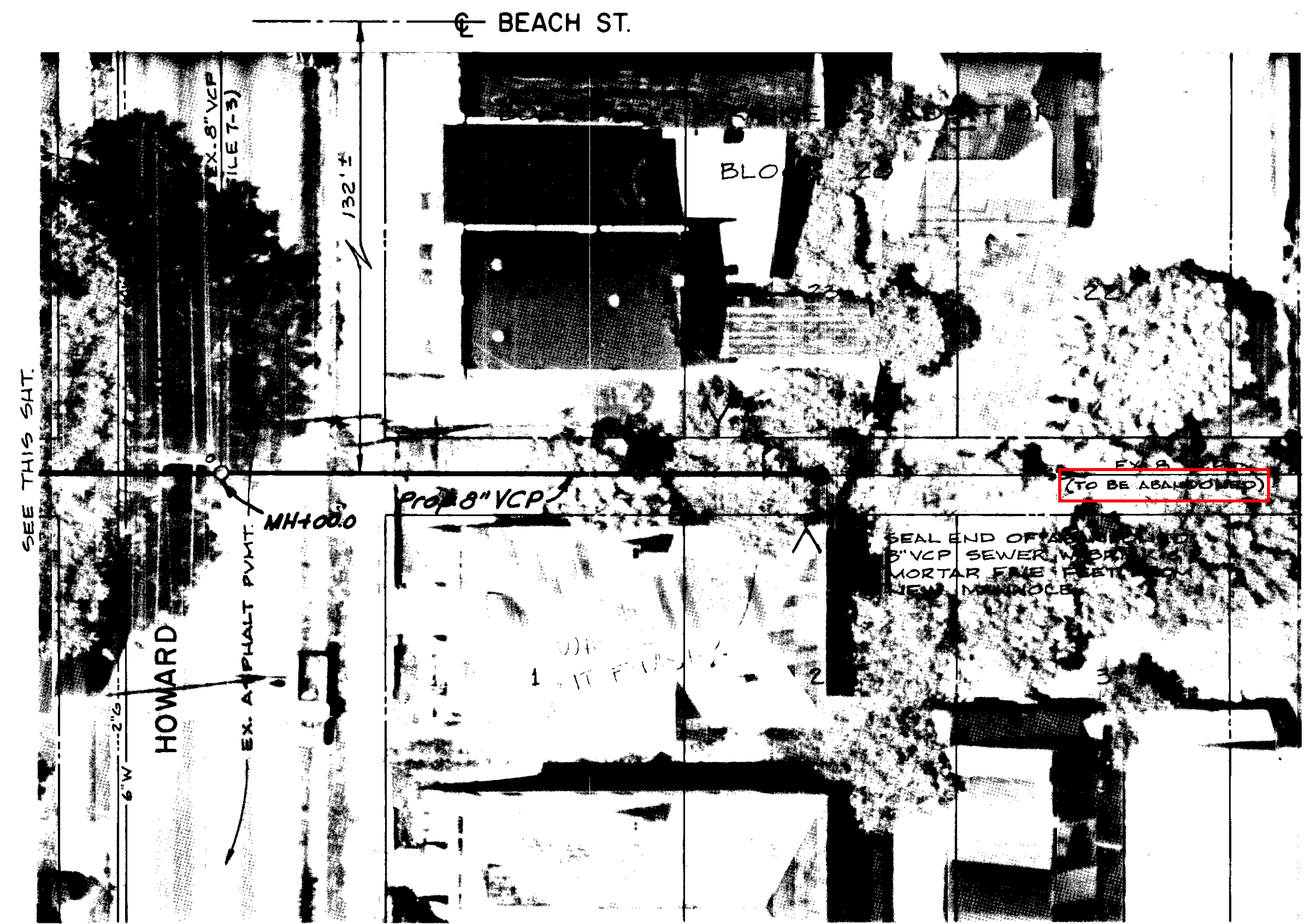
DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
WEST TAMPA NEIGHBORHOOD SEWER PROJECT

PLAN & PROFILE
REY PARK NORTH OF CHERRY ST.
BETWEEN TWITT ST. AND HOWARD AVE.
STA. 0+00 to STA. 5+05

SHEET
11
OF 31

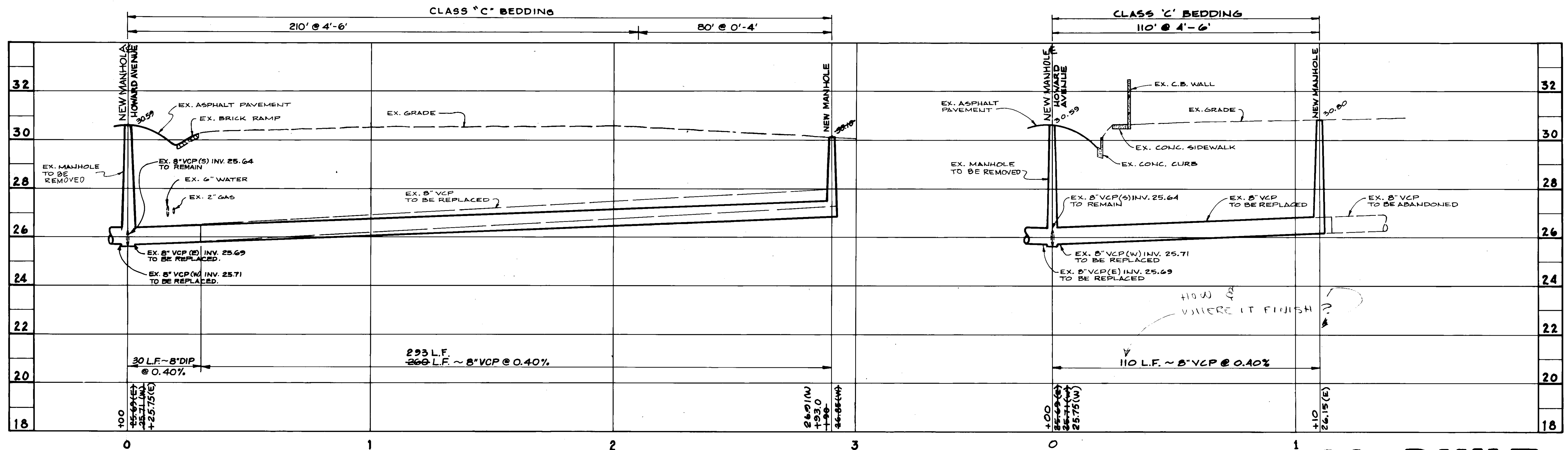


ALLEY BETWEEN ST. CONRAD ST. AND BEACH ST.
EAST OF HOWARD AVE.



ALLEY BETWEEN ST. CONRAD ST. AND BEACH ST.
WEST OF HOWARD AVE.

PLAN



SCALE: HORIZONTAL - 1" = 20'
VERTICAL - 1" = 2'

PROFILE

AS BUILT
EX. 5-18-87

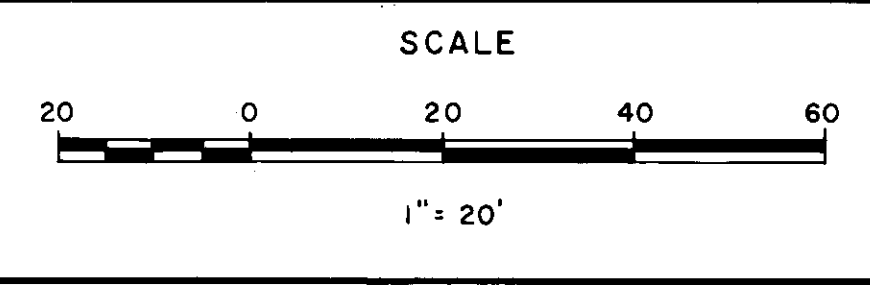
REYNOLDS, SMITH AND HILLS
ARCHITECTS • ENGINEERS • PLANNERS
INCORPORATED
TAMPA FLORIDA

DALE D. ERNSBERGER, P.E. #13768

DES. D.D.E.
DRN. G.M.T.
CKD. D.D.E.
DATE: Nov. 1988

DEPARTMENT OF SANITARY SEWERS
JACK P. MORRIS, PE
DIRECTOR
ANDREW T. CRONBERG, PE. # 32560
CHIEF ENGINEER

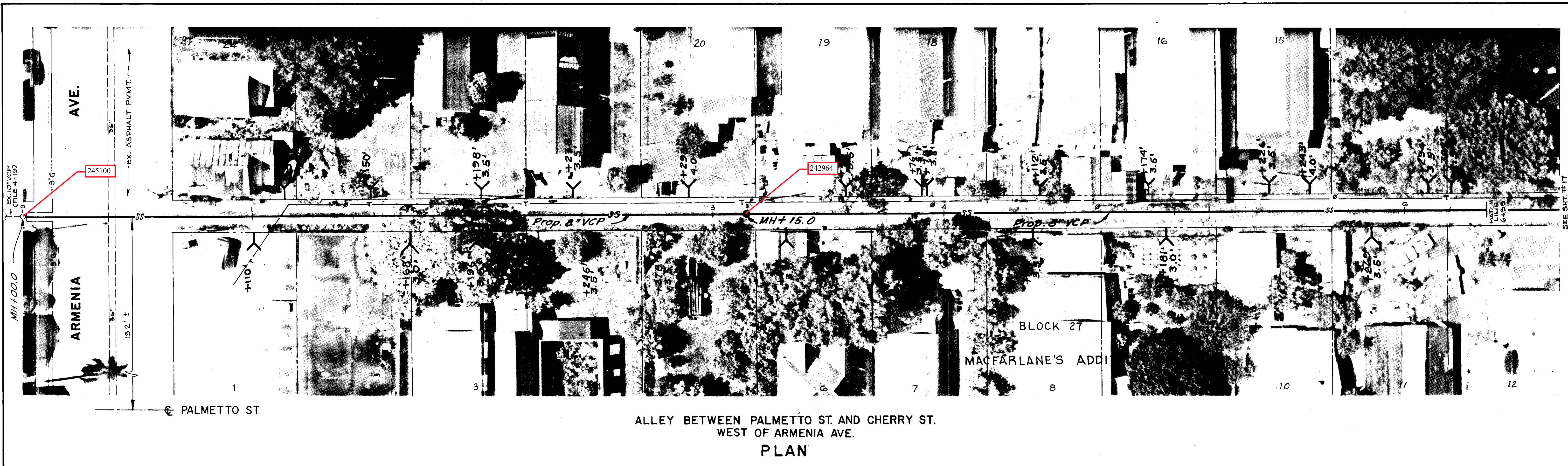
NO.	DATE	REVISIONS
1	5-18-87	AS BUILT BY SURVEY NOTES



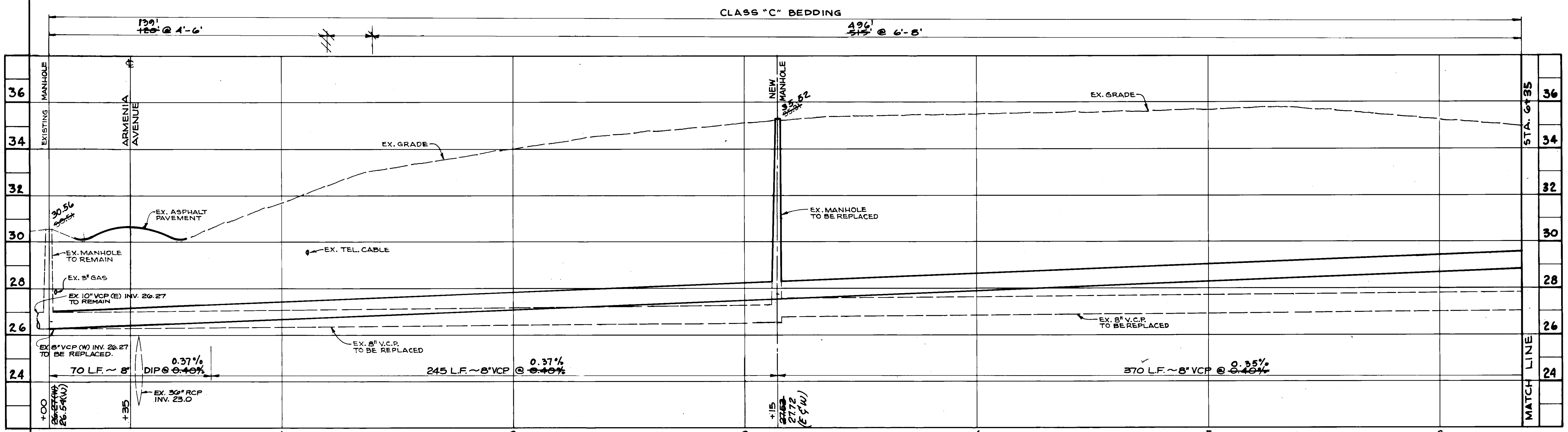
DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
WEST TAMPA NEIGHBORHOOD SEWER PROJECT

PLAN & PROFILE
ALLEY BETWEEN ST. CONRAD ST. & BEACH ST.
EAST OF HOWARD AVE. - STA. 0+00 to STA. 2+90
WEST OF HOWARD AVE. - STA. 0+00 to STA. 1+10

SHEET
15
OF 31



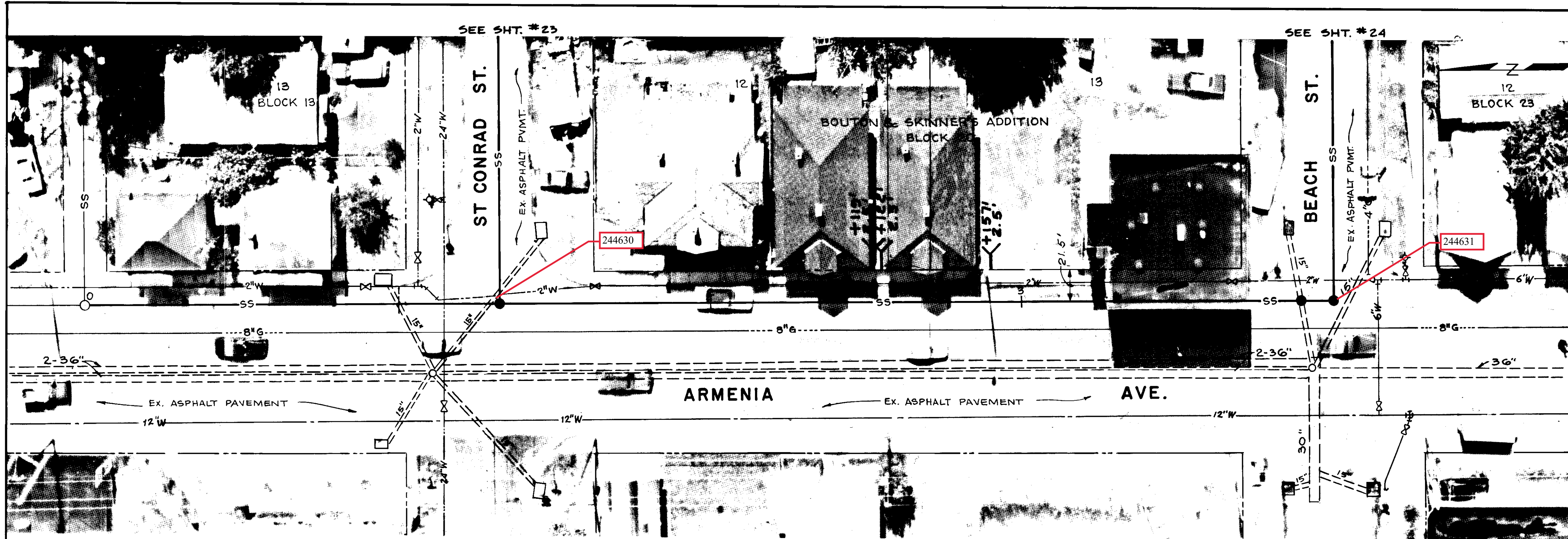
ALLEY BETWEEN PALMETTO ST. AND CHERRY ST.
WEST OF ARMENIA AVE.
PLAN



SCALE: HORIZONTAL - 1" = 20'
VERTICAL - 1" = 2'
PROFILE

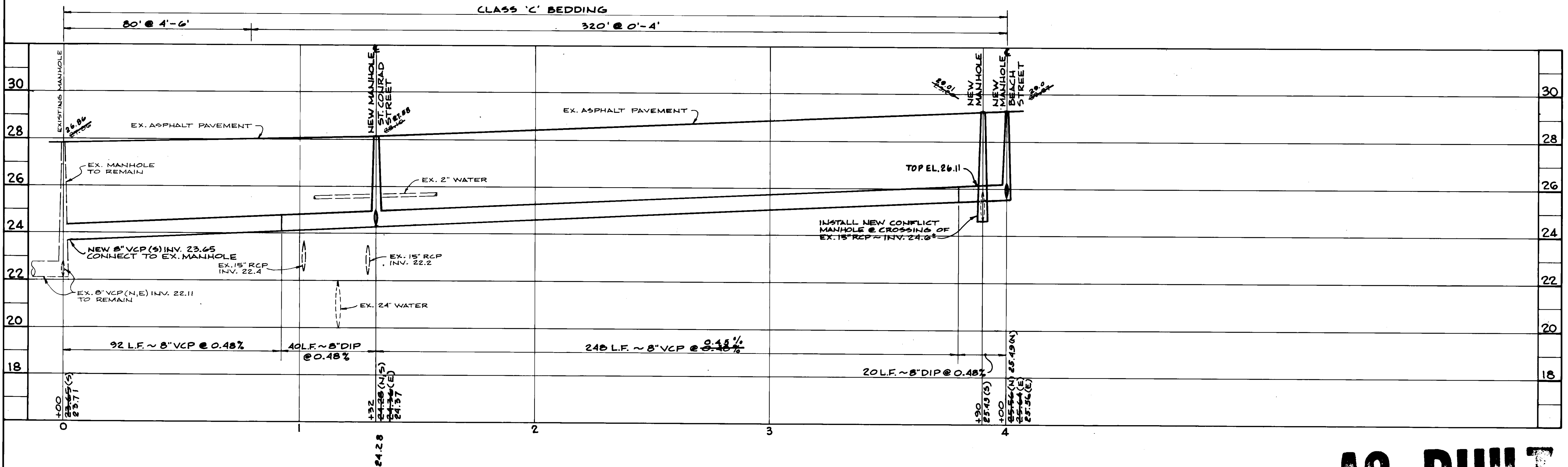
AS BUILT
Dec 5-21-87

REYNOLDS, SMITH AND HILLS ARCHITECTS • ENGINEERS • PLANNERS INCORPORATED TAMPA FLORIDA	 DALE D. ERNSBERGER, P.E. #13768	DES. D.D.E.	DEPARTMENT OF SANITARY SEWERS JACK P. MORRIS, P.E. DIRECTOR	NO. 1 DATE 5-21-87 REVISIONS As built by survey notes.	SCALE 1" = 20'	DEPARTMENT of SANITARY SEWERS CITY of TAMPA, FLORIDA WEST TAMPA NEIGHBORHOOD SEWER PROJECT	PLAN & PROFILE ALLEY BETWEEN PALMETTO ST. & CHERRY ST. WEST OF ARMENIA AVE. STA. 0+00 TO STA. 6+35	SHEET 16 OF 31
		CKD. D.D.E. DATE: Nov. 1983	ANDREW T. CRONBERG, P.E. # 32560 CHIEF ENGINEER					



ARMENIA AVE. BETWEEN ST. CONRAD ST. AND BEACH ST.

PLAN



SCALE: HORIZONTAL - 1" = 20'
VERTICAL - 1" = 2'

PROFILE

AS BUILT

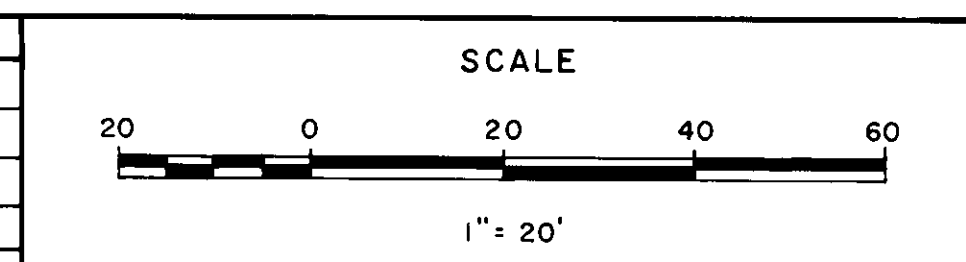
REYNOLDS, SMITH AND HILLS
ARCHITECTS • ENGINEERS • PLANNERS
INCORPORATED
TAMPA FLORIDA

DALE D. ERNSBERGER, P.E. #13768

DES. D.D.E.
DRN. G.M.T.
CKD. D.D.E.
DATE: NOV. 1983

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

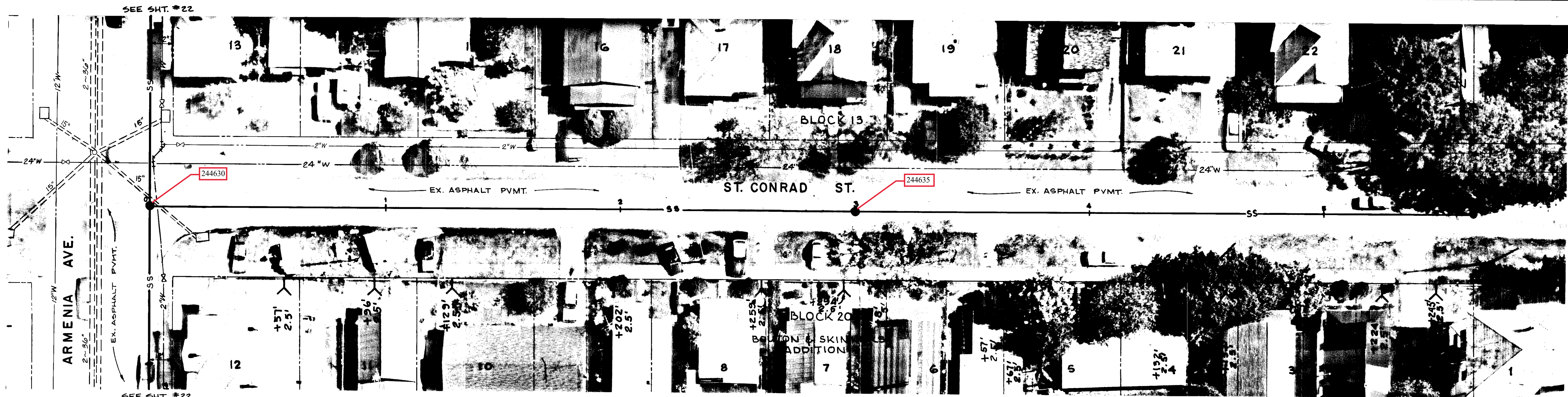
NO.	DATE	REVISIONS
1	6-3-87	As built by survey notes.



DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
WEST TAMPA NEIGHBORHOOD SEWER PROJECT

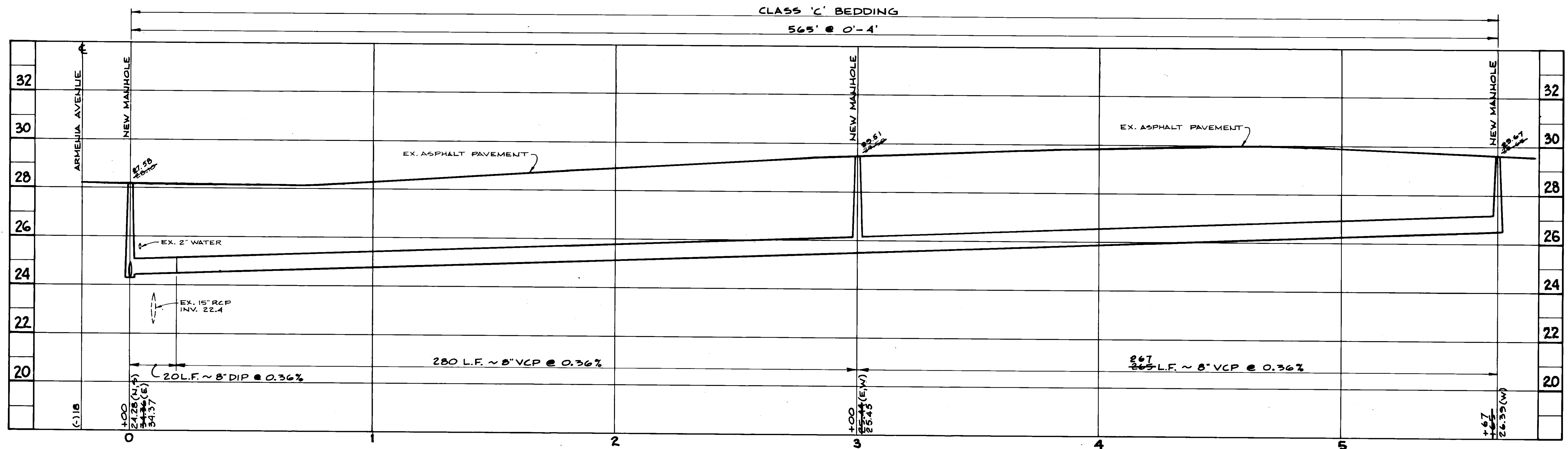
PLAN & PROFILE
ARMENIA AVE.
BETWEEN ST. CONRAD ST. AND BEACH ST.
STA. 0+00 TO STA. 4+00

SHEET
22
OF 31



ST. CONRAD ST. EAST OF ARMENIA AVE.

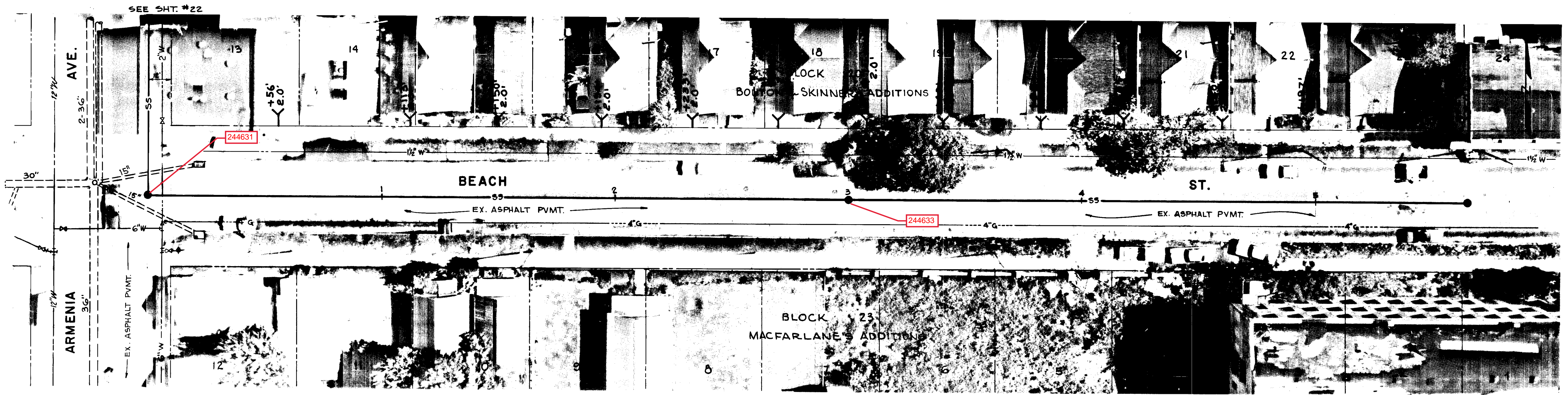
PLAN



SCALE: HORIZONTAL - 1" = 20'
 VERTICAL - 1" = 2'
 PROFILE

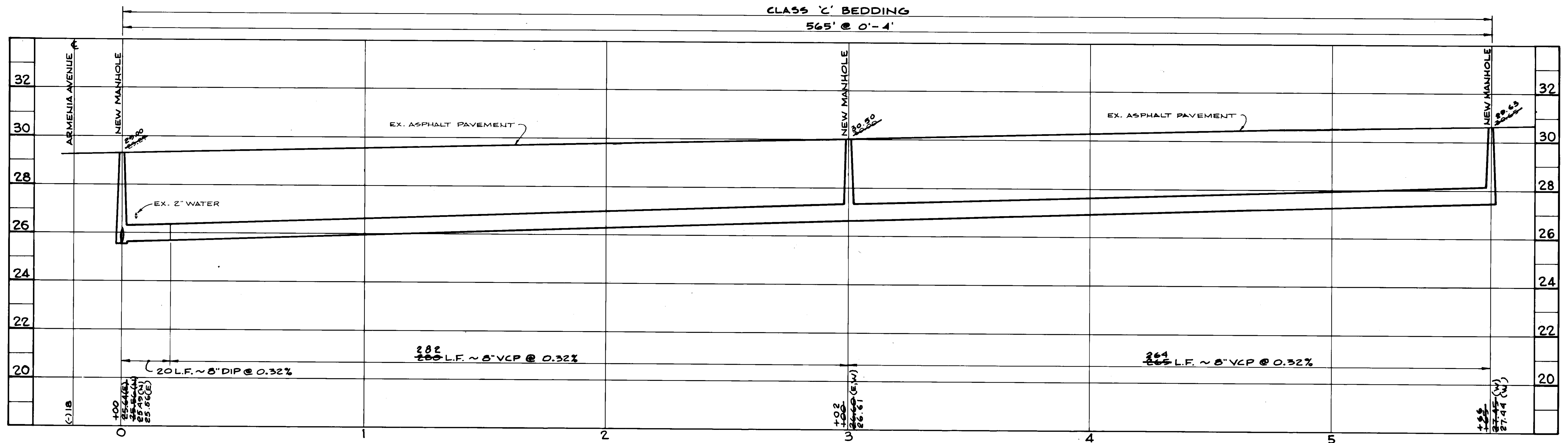
AS BUILT
 02 6-9-87

REYNOLDS, SMITH AND HILLS ARCHITECTS • ENGINEERS • PLANNERS INCORPORATED TAMPA FLORIDA	 DALE D. ERNSBERGER, P.E. #13768	DES. D.D.E.	DEPARTMENT OF SANITARY SEWERS	NO. DATE	REVISIONS	DEPARTMENT of SANITARY SEWERS CITY of TAMPA, FLORIDA WEST TAMPA NEIGHBORHOOD SEWER PROJECT	PLAN & PROFILE ST. CONRAD ST. EAST OF ARMENIA AVE. STA. 0+00 to STA. 5+65	SHEET 23 OF 31
		DRN. G.M.T.	JACK MORRIS, PE. DIRECTOR	1 6-3-87	As built by survey notes.			
		CKD. D.D.E.	ANDREW T. CROMBERG, P.E. # 32560 CHIEF ENGINEER					
		DATE: NOV 1983						



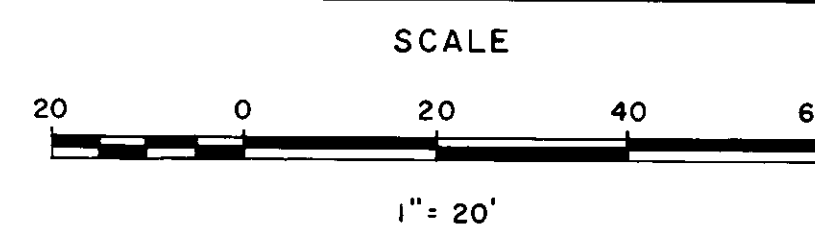
BEACH ST. EAST OF ARMENIA AVE.

PLAN



SCALE: HORIZONTAL - 1" = 20'
 VERTICAL - 1" = 2'

PROFILE



AS BUILT
 6-1-87

REYNOLDS, SMITH AND HILLS
 ARCHITECTS • ENGINEERS • PLANNERS
 INCORPORATED
 TAMPA FLORIDA

DALE D. ERNSBERGER, P.E. #13768

DES. D.D.E.
 DRN. G.M.T.
 CKD. D.D.E.
 DATE: NOV. 1983

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

NO.	DATE	REVISIONS
1	6-3-87	As built by survey notes.

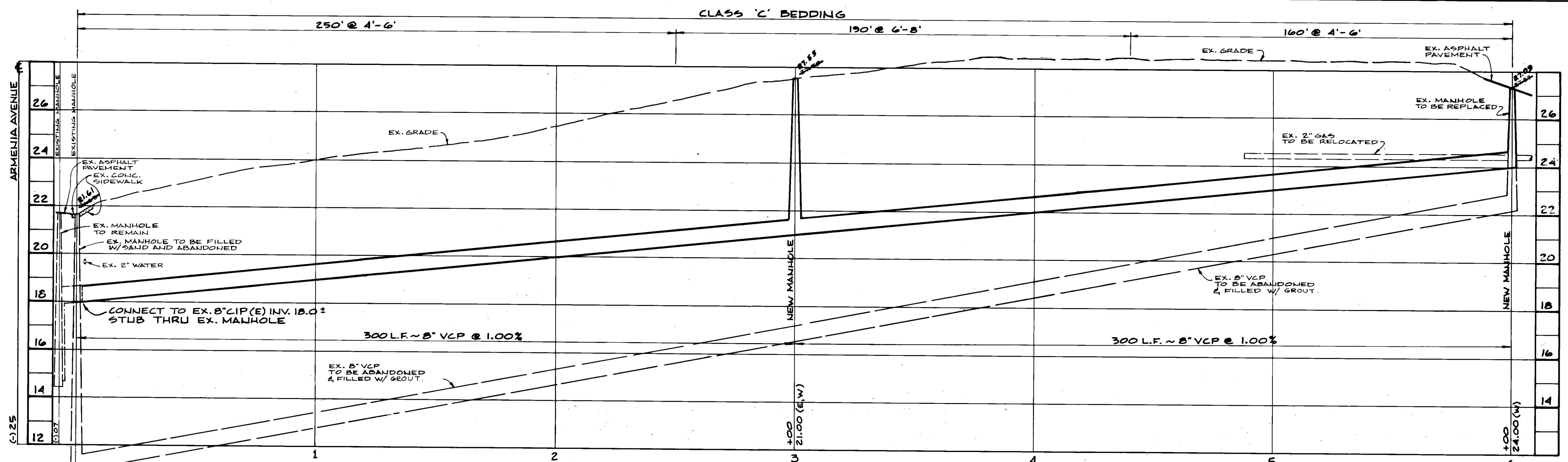
DEPARTMENT of SANITARY SEWERS
 CITY of TAMPA, FLORIDA
 WEST TAMPA NEIGHBORHOOD SEWER PROJECT

PLAN & PROFILE
 BEACH ST. EAST OF ARMENIA AVE.
 STA. 0+00 to STA. 5+65

SHEET
24
 OF 31



ALLEY BETWEEN ST. JOSEPH ST. AND ST. LOUIS ST.
EAST OF ARMENIA AVE.
PLAN



SCALE: HORIZONTAL - 1" = 20'
VERTICAL - 1" = 2'
PROFILE

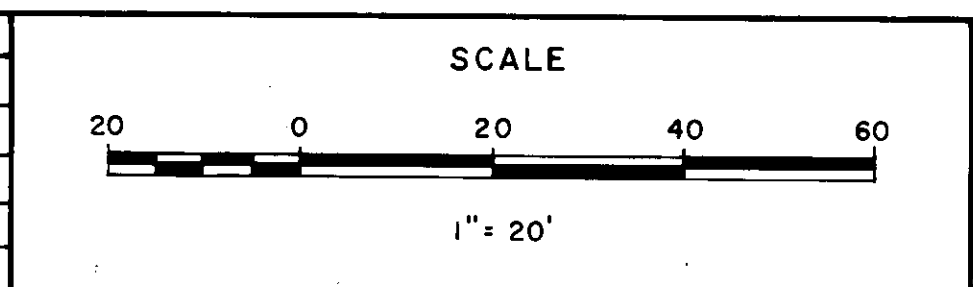
AS BUILT
6-5-87

REYNOLDS, SMITH AND HILLS
ARCHITECTS • ENGINEERS • PLANNERS
INCORPORATED
TAMPA FLORIDA

DES. D.D.E. DALE D. ERNSBERGER, P.E. #13768
DRN. G.M.T.
CKD. D.D.E.
DATE: NOV 1985

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

NO	DATE	REVISIONS
1	6-5-87	As built by Survey Notes



DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
WEST TAMPA NEIGHBORHOOD SEWER PROJECT

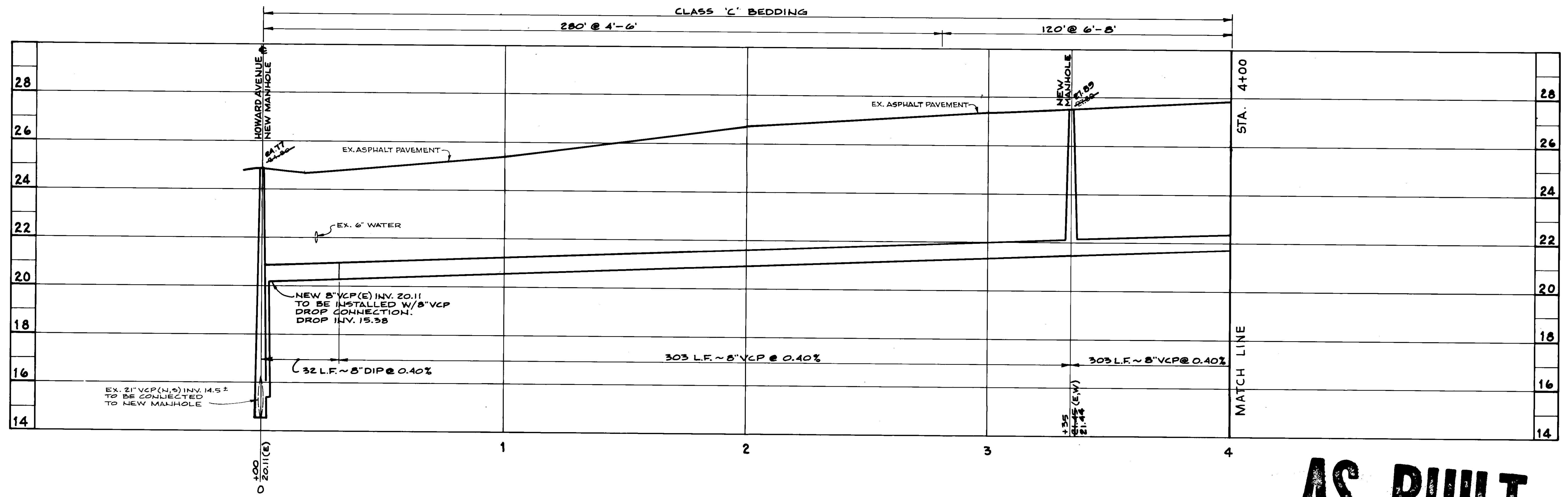
PLAN & PROFILE
ALLEY BETWEEN ST. JOSEPH ST. AND ST. LOUIS ST.
EAST OF ARMENIA AVE.
STA. 0+00 to STA. 6+00

SHEET
25
OF 31



ST. JOSEPH ST EAST OF HOWARD AVE.

PLAN



SCALE: HORIZONTAL - 1" = 20'
VERTICAL - 1" = 2'
PROFILE

AS BUILT
26 6-5-87

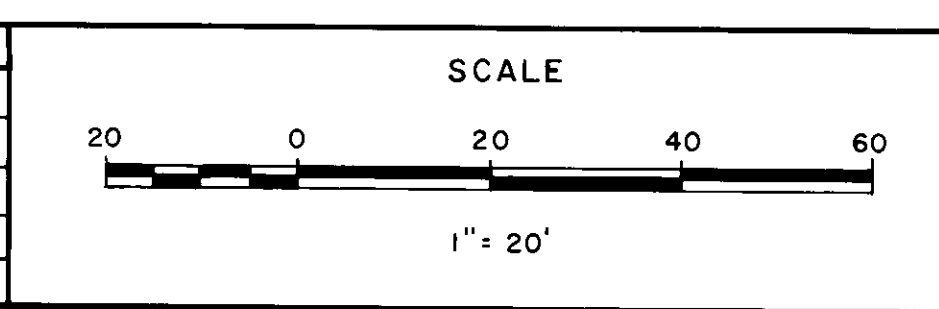
REYNOLDS, SMITH AND HILLS
ARCHITECTS • ENGINEERS • PLANNERS
INCORPORATED
TAMPA FLORIDA

DALE D. ERNSBERGER, P.E. #13768

DES. D.D.E.
DRN. G.M.T.
CKD. D.D.E.
DATE: NOV 1983

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

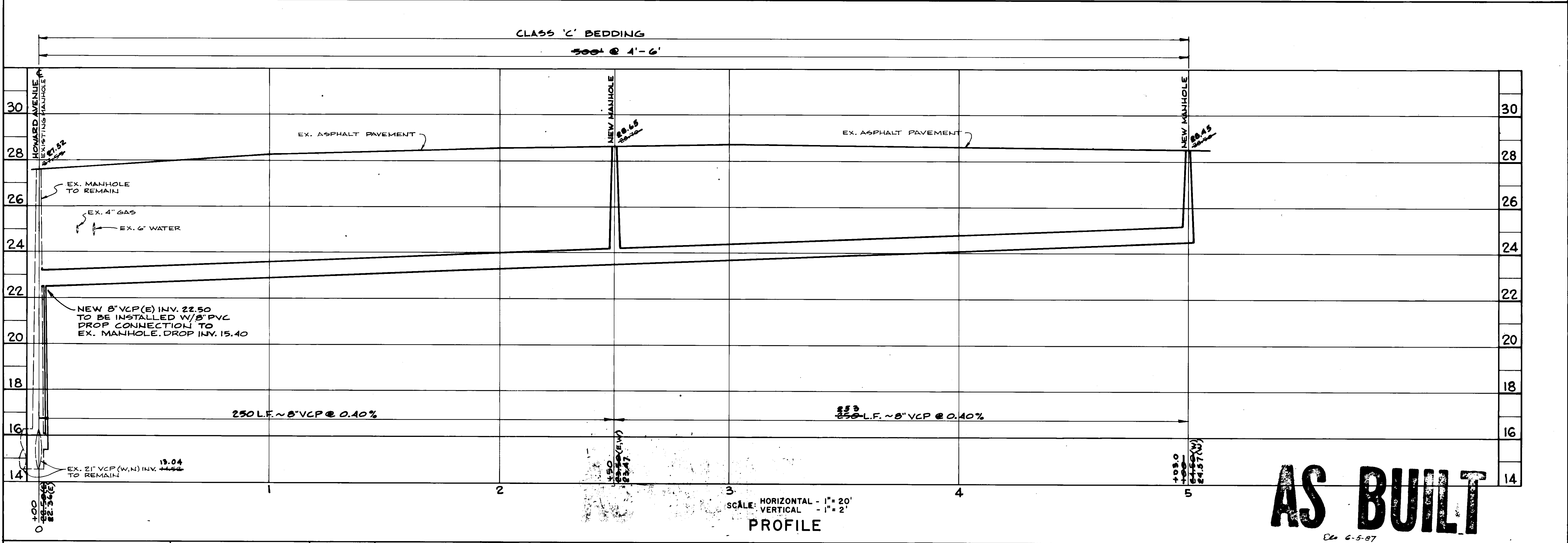
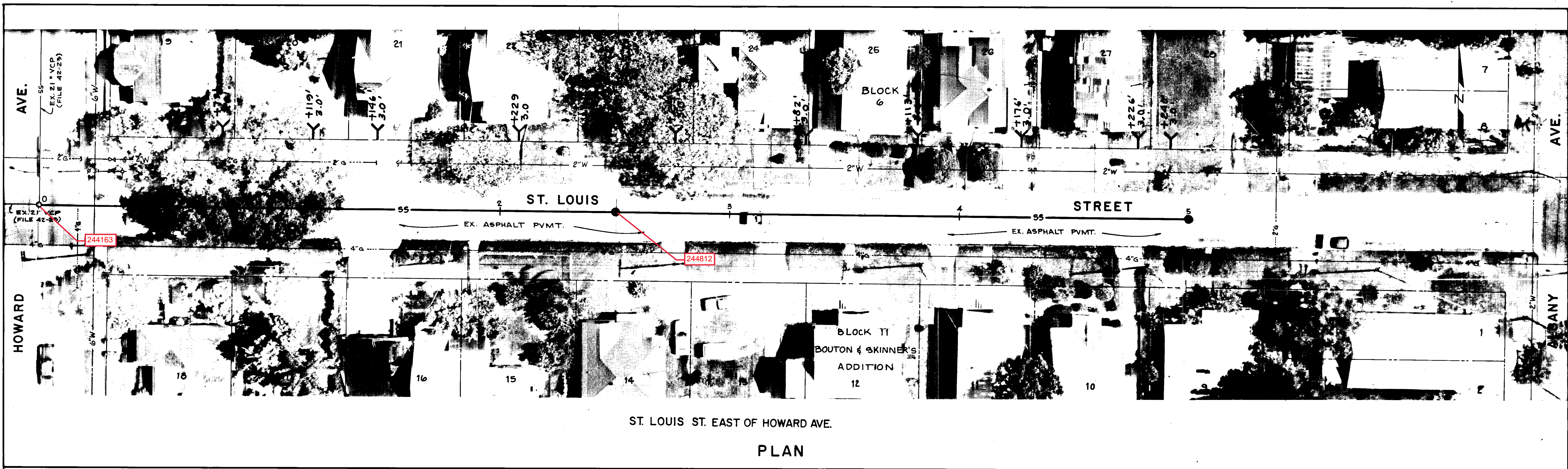
NO	DATE	REVISIONS
1	6-5-87	As built by Survey notes



DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
WEST TAMPA NEIGHBORHOOD SEWER PROJECT

PLAN & PROFILE
ST. JOSEPH EAST OF HOWARD AVE.
STA. 0+00 to STA. 4+00

SHEET
26
OF 31



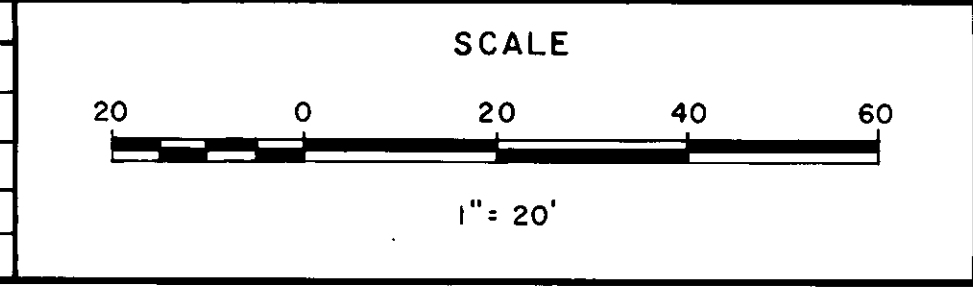
AS BUILT
 06-5-07

REYNOLDS, SMITH AND HILLS
 ARCHITECTS • ENGINEERS • PLANNERS
 INCORPORATED
 TAMPA FLORIDA

DALE D. ERNSBERGER, P.E. #18768

DES. D.D.E.
 DRN. G.M.T.
 CKD. D.D.E.
 DATE: NOV. 1983

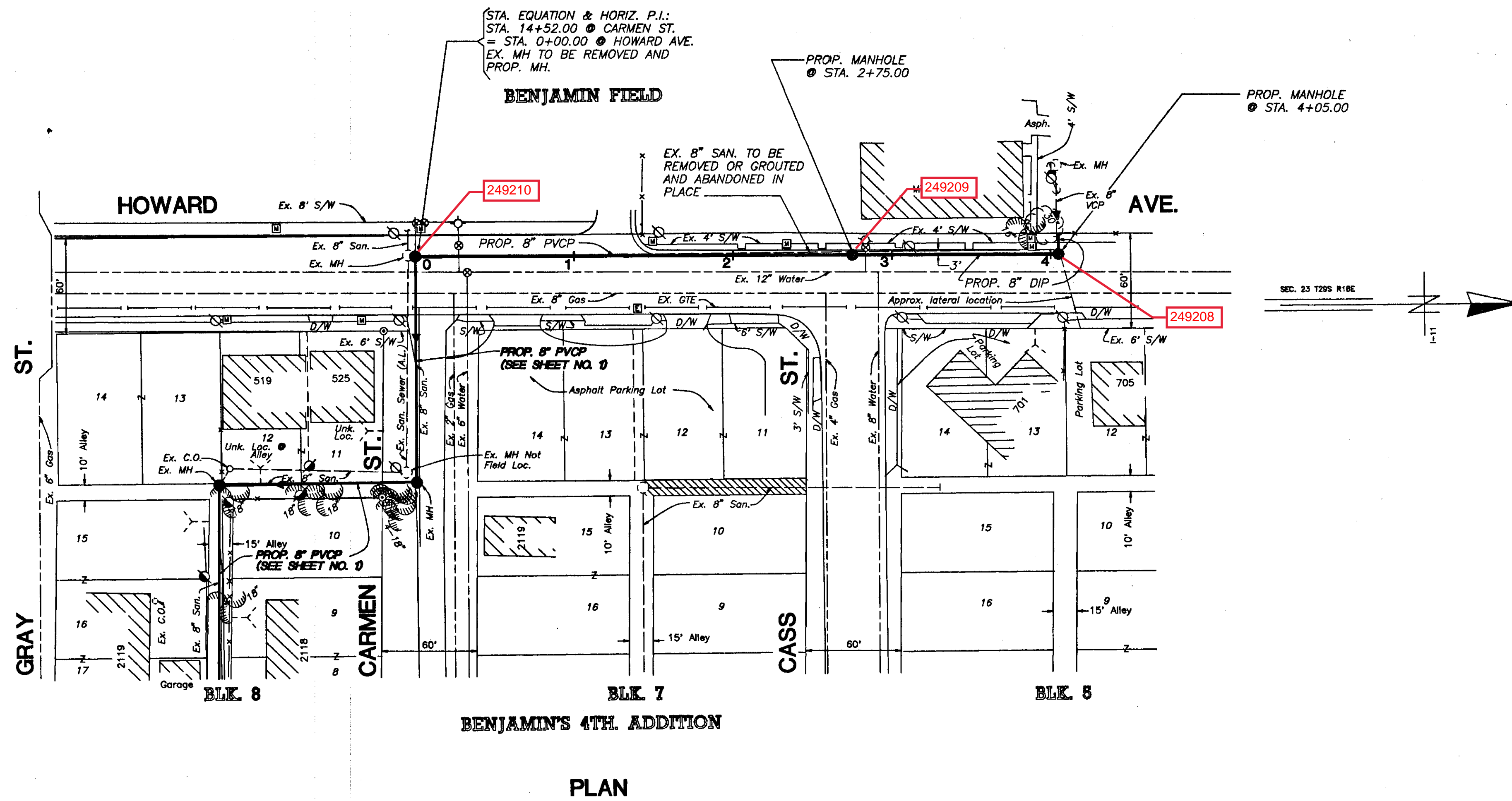
NO.	DATE	REVISIONS
1	6-5-87	As built by Survey Notes



DEPARTMENT of SANITARY SEWERS
 CITY of TAMPA, FLORIDA
 WEST TAMPA NEIGHBORHOOD SEWER PROJECT

PLAN & PROFILE
 ST. LOUIS EAST OF HOWARD AVE.
 STA. 0+00 to STA. 5+00

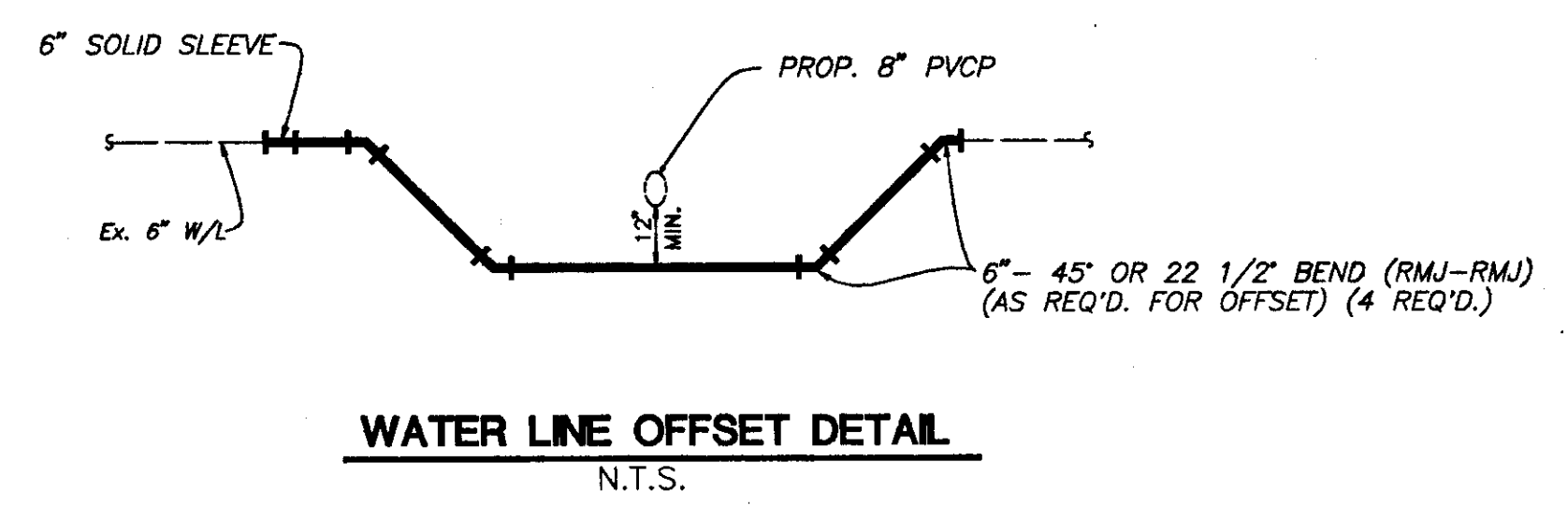
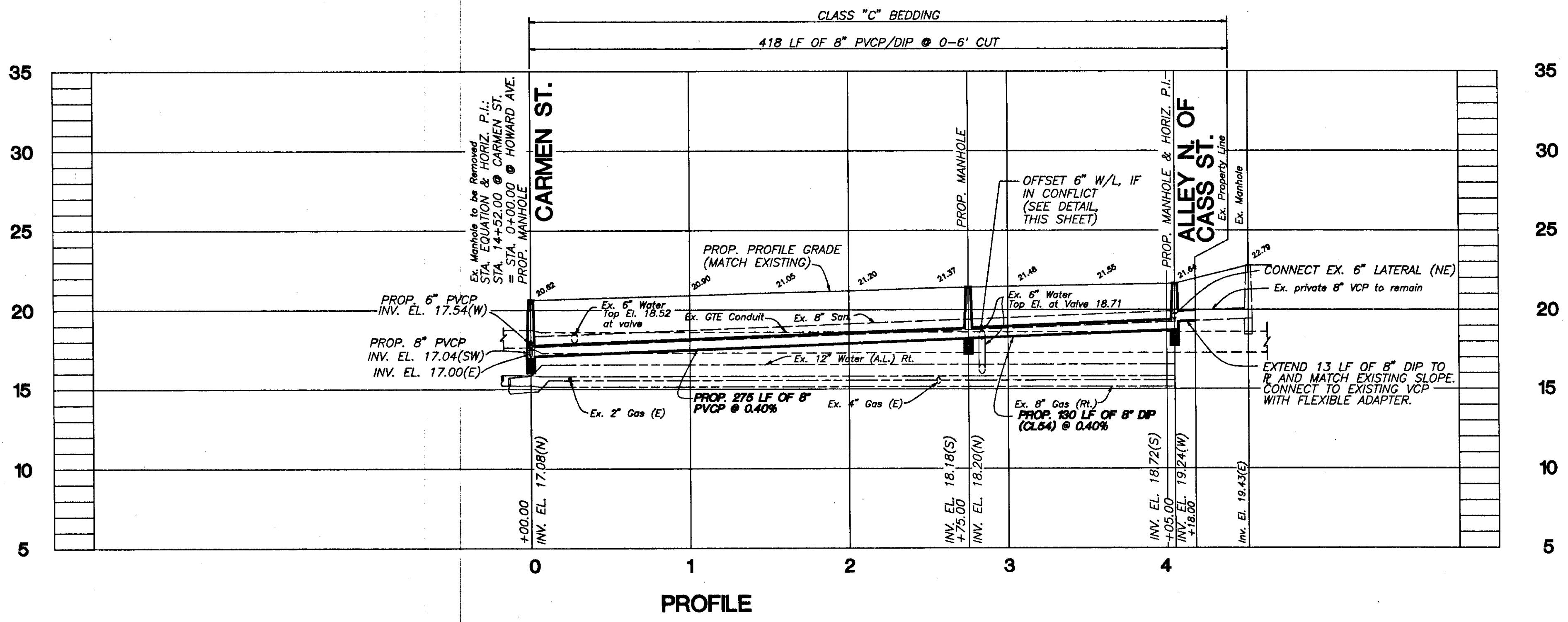
SHEET
28
 OF 31



- NOTES**
1. ALL ELEVATIONS ARE BASED ON NOS DATUM UNLESS OTHERWISE NOTED.
 2. LOCATIONS OF EXISTING UNDERGROUND UTILITIES WERE 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. NEW HOUSE CONNECTION LOCATIONS ARE APPROXIMATE ONLY. REQUIRED LOCATION AND DEPTH WILL BE COORDINATED WITH THE HOMEOWNER AT THE TIME OF CONSTRUCTION BY THE D.S.S. CONSTRUCTION CREWS.
 4. WHERE AN EXISTING SEWER IS TO BE REMOVED OR ABANDONED AND REPLACED WITH A NEW SEWER, CONTINUOUS SEWER SERVICE MUST BE MAINTAINED AT ALL TIMES, WHILE CONNECTING THE LATERALS TO THE NEW SEWER IN PLACE.
 5. THE MINIMUM CLEARANCE BETWEEN HOUSE LATERALS AND WATER LINES SHALL BE 6" UNDER ALL CIRCUMSTANCES. IF THE HOUSE LATERAL IS BELOW A WATER LINE AND HAS BETWEEN 6" AND 18" OF CLEARANCE, OR IF THE LATERAL IS ABOVE THE WATER LINE, REGARDLESS OF CLEARANCE, THEN A NOMINAL 20' LENGTH OF GREEN AWWA CLASS 150 C900 PVC PIPE SHALL BE CENTERED OVER/UNDER THE WATER LINE.
 6. CONSTRUCTION OF SEWER LINE SHALL BE STAGED SO THAT TWO LANES OF TRAFFIC ON HOWARD AVE. REMAIN OPEN AT ALL TIMES.
 7. ROADWAY RESTORATION SHALL COMPRISE OF THE FOLLOWING.

- HOWARD AVE.:**
 10" LIMEROCK BASE
 2" TYPE S-I A.C.
 3/4" TYPE S-III A.C.
- CARMEN ST. AND ALBANY AVE.:**
 8" LIMEROCK BASE
 1" TYPE S-I A.C.
 3/4" S-III A.C.
- ALLEY:**
 6" LIMEROCK BASE
 1 1/2" TYPE S-I A.C.

8. PRIOR TO CONSTRUCTION, A FIELD MEETING SHALL BE COORDINATED WITH A PARKS DEPARTMENT REPRESENTATIVE TO DETERMINE THE SCOPE OF TREE TRIMMING AND ROOT PRUNING REQUIRED FOR THIS PROJECT.
9. ALL EXISTING LATERALS ENCOUNTERED IN THE FIELD SHALL BE REPLACED WITH A 6" PVC LATERAL AND CLEANOUT.



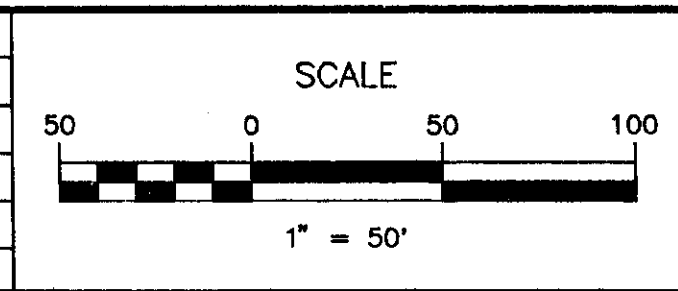
STATION #2
1+00
C:\WORK\DWG\DWG\4880-2

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

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

DES: J.F.
 DRN: ce
 CKD: A.H.
 DATE: 8/10/15

No.	DATE	REVISIONS
1		
2		
3		
4		
5		



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

**HOWARD AVE. CARMEN ST.
 TO CASS ST.**

DESIGN W.O. 4650
 CONSTRUCTION W.O.

STATION #2
 SHEET
2
 OF 2

282-2

CITY OF TAMPA WATER SYSTEM NOTES

1. WATER SERVICE TO BE PROVIDED BY CITY OF TAMPA WATER DEPARTMENT.
2. ALL WATER MAINS SHALL BE PERFORMED IN ACCORDANCE WITH THE TAMPA WATER DEPARTMENT TECHNICAL MANUAL, LATEST EDITION. ALL WATER MAINS SHALL BE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS FOR THIS PROJECT.
3. PRIOR TO CONSTRUCTION CONTRACTOR IS TO OBTAIN THE LATEST EDITION OF "CITY OF TAMPA WATER DEPARTMENT STANDARDS AND SPECIFICATIONS" CONSTRUCTION, MATERIALS AND WORKMANSHIP ARE TO CONFORM WITH THE LATEST CITY OF TAMPA SPECIFICATIONS.
4. CONTRACTOR SHALL COORDINATE ANY WORK WITH THE TAMPA WATER DEPARTMENT PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR TO ARRANGE A PRE-CONSTRUCTION MEETING WITH THE TAMPA WATER DEPT. (HARRY GLENN, PH. 288-1636) TO REVIEW MATERIALS SUBMITTALS AND DISCUSS INSTALLATION TECHNIQUES/ PROCEDURES. A MINIMUM OF 5 DAYS PRIOR TO PLANNED CONSTRUCTION.
5. ALL ELEVATIONS ARE BASED ON NAD 83 DATUM UNLESS OTHERWISE NOTED. STATIONING OF THE WATER MAIN AND FITTINGS AS SHOWN HEREON REFERS TO CENTERLINE OF ROADWAY UNLESS OTHERWISE NOTED.
6. ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 36 INCHES UNLESS OTHERWISE NOTED. WATER MAIN SHALL BE LOCATED 5' OUT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
7. ALL WATER MAINS SHALL BE CONSTRUCTED IN A MANNER SUCH AS TO MAINTAIN A MINIMUM OF THREE (3) FEET HORIZONTAL SEPARATION FROM OTHER UTILITIES, EXCEPT STORM, SANITARY AND GAS.
8. IN ACCORDANCE WITH CITY WATER DEPARTMENT STANDARD DETAIL 2.06, A SHOCK PAD IS TO BE INSTALLED OVER THE WATER MAIN WHEN THE DEPTH OF COVER IS LESS THAN THE MINIMUM 30".
9. ALL WATER PIPE MATERIAL AND INSTALLATIONS ARE TO BE IN ACCORDANCE WITH THE CITY OF TAMPA SPECIFICATIONS. ALL DUCTILE IRON PIPE (DIP) SHALL BE MANUFACTURED IN ACCORDANCE WITH ANSA STANDARD C-151/A21.51. PIPE SHALL BE LINED WITH A STANDARD THICKNESS CEMENT-MORTAR LINING AND SEAL GRADED IN ACCORDANCE WITH THE LATEST EDITION OF ANSA C151/A21.51 AND NSF 61. PIPE SHALL BE PRESSURE CLASS 350.
10. ALL DUCTILE IRON PIPE SHALL BE PUSH-ON JOINT OR MECHANICAL JOINT AND SHALL CONFORM TO ANSA STANDARD C-111/A21.11.
11. ALL FITTINGS SHALL BE DUCTILE IRON AND MECHANICAL JOINT. WEDGE ACTION RESTRAINTS SUCH AS EBRA MEGA-LUG OR APPROVED EQUAL SHALL BE INSTALLED IN ACCORDANCE WITH TAMPA WATER DEPARTMENT RESTRAINT TABLES ON SHEET 6, OR AS INDICATED BY ENGINEER. OTHER THAN FOR FITTINGS, SHALL BE WITH APPROVED PUSH-ON RESTRAINTS.
12. RESTRAINT OF DIP MECHANICAL JOINT PIPE FITTINGS SHALL BE WITH MECHANICAL RESTRAINTS IN ACCORDANCE WITH THE APPROPRIATE CITY OF TAMPA RESTRAINT TABLES SHOWN IN THESE PLANS. NO CONCRETE THROUST BLOCKS ARE TO BE USED FOR THROUST RESTRAINT. RESTRAINT OF PUSH-ON DIP OTHER THAN FOR FITTINGS, SHALL BE WITH APPROVED PUSH-ON RESTRAINTS.
13. BENDS SHALL BE INSTALLED ON DIP WATER MAIN AS NECESSARY, TO MAINTAIN PROPER ALIGNMENT. DIP JOINT DEFLECTION SHALL BE IN ACCORDANCE WITH ANSA C-800, LATEST EDITION, EXCEPT DEFLECTION ALLOWED SHALL BE SIX (6) OR LESS THAN THE DEFLECTION VALUES GIVEN IN THE ANSA DEFLECTION TABLES.
14. FIRE HYDRANT AND GATE VALVE ASSEMBLIES SHALL CONSIST OF ALL PIPE, VALVES, TEES, FITTINGS AND ANY AND ALL OTHER APPURTENANCES COMPRISING A COMPLETE, WORKING UNIT AS REQUIRED BY THE CITY OF TAMPA SPECIFICATIONS. FIRE HYDRANTS SHALL BE 3'-4" ABOVE FINISHED GRADE. (SEE CITY OF TAMPA STANDARD DETAILS 4.01 AND 4.02).
15. ALL FIRE HYDRANTS SHALL BE CONSTRUCTED IN A MANNER THAT MAINTAINS AT LEAST SIX (6) FEET OF CLEARANCE BETWEEN ROADWAY BACK OF CURB AND THE HYDRANT.
16. SANITARY SEWERS, FORCE MAINS AND STORM SEWERS SHOULD CROSS (UNDER) WATER MAINS. SANITARY SEWERS, FORCE MAINS, AND STORM SEWERS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL CLEARANCE OF 12 INCHES BETWEEN THE OUTSIDE BOTTOM OF THE UPPER PIPE (WATER MAIN) AND THE OUTSIDE TOP OF THE LOWER PIPE (STORM OR SANITARY).
17. WHEN SANITARY SEWERS, FORCE MAINS AND STORM SEWERS MUST CROSS A WATER MAIN WITH LESS THAN 12 INCHES VERTICAL CLEARANCE, BOTH THE SANITARY AND WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) AT THE CROSSING. SANITARY SEWER MAIN SHALL BE CONSTRUCTED OF 12" RCP. IF IT IS NOT AVAILABLE IN THE SIZE PROPOSED, SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10 FEET BETWEEN ANY JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE LEAK FREE AND MECHANICALLY RESTRAINED. A MINIMUM VERTICAL CLEARANCE OF 8 INCHES MUST BE MAINTAINED AT THE CROSSING.
18. WHERE THERE IS NO ALTERNATIVE TO SEWER PIPES CROSSING (OVER) A WATER MAIN, THE CRITERIA FOR MINIMUM SEPARATION OF 18 INCHES BETWEEN LINES AND 10 FEET BETWEEN JOINTS SHALL BE REQUIRED.
19. ALL CROSSINGS SHALL BE ARRANGED SO THAT THE JOINTS OF THE CROSSING PIPES ARE EQUIDISTANT FROM THE POINT OF CROSSING PIPES CENTERED ON THE CROSSING.
20. A MINIMUM 10' HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ANY TYPE OF SEWER/STORM AND WATER MAIN IN PARALLEL INSTALLATIONS. IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A 10 FOOT HORIZONTAL SEPARATION BETWEEN ANY TYPE OF PARALLEL SEWER AND WATER MAIN, THE WATER MAIN MUST BE LAID IN A SEPARATE TRENCH OR ON AN UNSTRUCTURED EARTH SHELVE LOCATED ON ONE SIDE OF THE SEWER OR FORCE MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE THE TOP OF THE SEWER.
21. PROPOSED CROSSINGS WITH LESS THAN 18" OF CLEARANCE SHALL BE EVALUATED BY THE CITY OF TAMPA WATER DEPARTMENT'S DESIGN DIVISION ON A CASE-BY-CASE BASIS.
22. IN AREAS OF HIGH GROUND WATER, UNSATISFACTORY SOILS, CROSSING GAS LINES, OR AS SPECIFIED BY THE ENGINEER, THE WATER MAIN AND APPURTENANCES WILL BE INSTALLED IN A LOOSE POLYETHYLENE ENCASUREMENT NOT LESS THAN 8 MILS THICK IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE SPECIFICATION A21.5 AND CITY OF TAMPA STANDARD DETAIL 2.05.
23. CLEARANCE BETWEEN ALL TREES AND WATER MAINS SHALL MEET CITY OF TAMPA PARKS DEPARTMENT'S LATEST REQUIREMENTS. NO TREE SHALL BE PLANTED WITHIN 10 FEET OF INSTALLED OR EXISTING WATER MAINS.

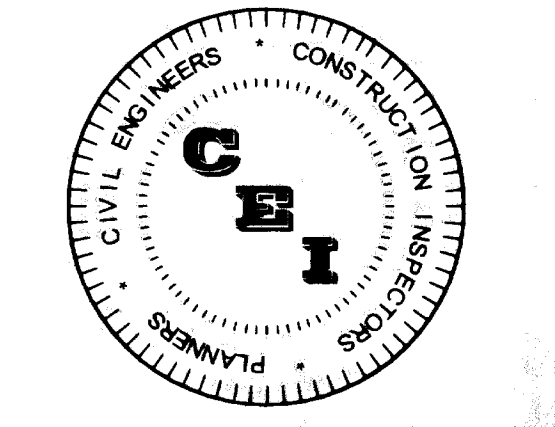
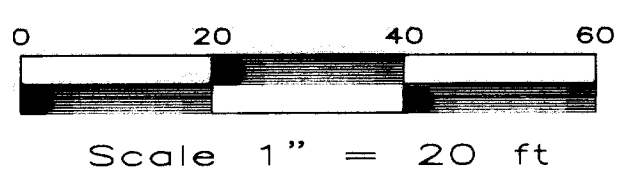
WATER SYSTEM TESTING AND INSPECTION REQUIREMENT NOTES

1. ALL COMPONENTS OF THE WATER SYSTEM INCLUDING FITTINGS, HYDRANTS, CONNECTIONS, AND VALVES SHALL REMAIN UNCHANGED UNTIL PROPERLY PRESSURE TESTED AND ACCEPTED BY THE OWNER'S ENGINEER. PRESSURE TESTS TO BE IN ACCORDANCE WITH WATER DEPARTMENT SPECIFICATIONS. CONTRACTOR TO NOTIFY OWNER'S ENGINEER AND CITY INSPECTOR 3 WORKING DAYS IN ADVANCE OF PERFORMING TESTS.
2. CONTRACTOR SHALL PRESSURE TEST WATER MAINS AT 150 PSI FOR A PERIOD OF 2 HOURS IN ACCORDANCE WITH ANSA C800-87 STANDARDS. CONTRACTOR SHALL NOTIFY ENGINEER AND THE CITY OF TAMPA AT LEAST 72 HOURS PRIOR TO START OF ANY TEST. THE CONTRACTOR SHALL MAKE ALL NECESSARY APPLICATIONS AND ARRANGEMENTS.
3. CONTRACTOR TO PERFORM CHLORINATION AND COORDINATE BACTERIOLOGICAL SAMPLING WITH THE CITY OF TAMPA CONSTRUCTION INSPECTION SECTION IN ACCORDANCE WITH TAMPA WATER DEPARTMENT TECHNICAL MANUAL AND ANSA SPECIFICATION C851. CONTRACTOR TO OBTAIN SAMPLE CLEARANCE ON DOMESTIC WATER SYSTEM.
4. ALL TEST POINTS AND CHLORINATION POINTS PIPING SHALL BE COMPLETELY REMOVED PRIOR TO FINAL ACCEPTANCE. THE CORPORATION STOP SHALL BE REMOVED AND THE MAIN PLUGGED AFTER OPERATION (SEE CITY OF TAMPA STANDARD DETAIL 2.17).

PRIOR TO CONSTRUCTION, CONTRACTOR IS TO OBTAIN THE 2004 EDITION OF "TAMPA WATER DEPARTMENT TECHNICAL MANUAL" FROM THE CITY OF TAMPA. CONSTRUCTION, MATERIALS, AND WORKMANSHIP ARE TO CONFORM WITH THE LATEST CITY OF TAMPA STANDARDS AND SPECIFICATIONS.

- NOTES:
1. WATER MAIN TAPS TO BE PERFORMED BY CITY WATER DEPT. PERSONNEL ONLY. CONTRACTOR SHALL EXCAVATE AND INSTALL TAPPING SLEEVE, WATER DEPT. TO PRESSURE TEST AND PERFORM TAP. CONTACT CHIEF INSPECTOR HARRY GLENN AT 288-1636 (M-TR), 3 WORKING DAYS PRIOR, TO COORDINATE AND SCHEDULE TAP.
 2. RESTRAIN ALL DIP W.M. JOINTS FROM TAP TO PLUG.
 3. POLYWRAP ALL DIP W.M. FITTINGS NOT IN CASING OR IN VAULT.

NOTE: CONTRACTOR TO VERIFY DEPTH OF EXISTING 8" SANITARY SEWER PRIOR TO CONSTRUCTION.



CAMPO
ENGINEERING, INC.

FBPR CERTIFICATE OF AUTHORIZATION NO.: 26726

1725 EAST 5TH AVENUE
TAMPA, FL. 33605
PHONE: (813) 215-7372
FAX: (813) 902-8782

PROJECT TITLE
NORTH STREET CONDOS
CITY OF TAMPA

CLIENT

MOUNTAIN CITY INVESTMENTS, INC.
501 NORTH BOULEVARD
TAMPA, FL 33606
PHONE: (813) 835-9566

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 4/2008

REVIEWED BY: MDC

DRAWN BY: BLM

DESIGNED BY: BLM

PROJECT NUMBER

07-006

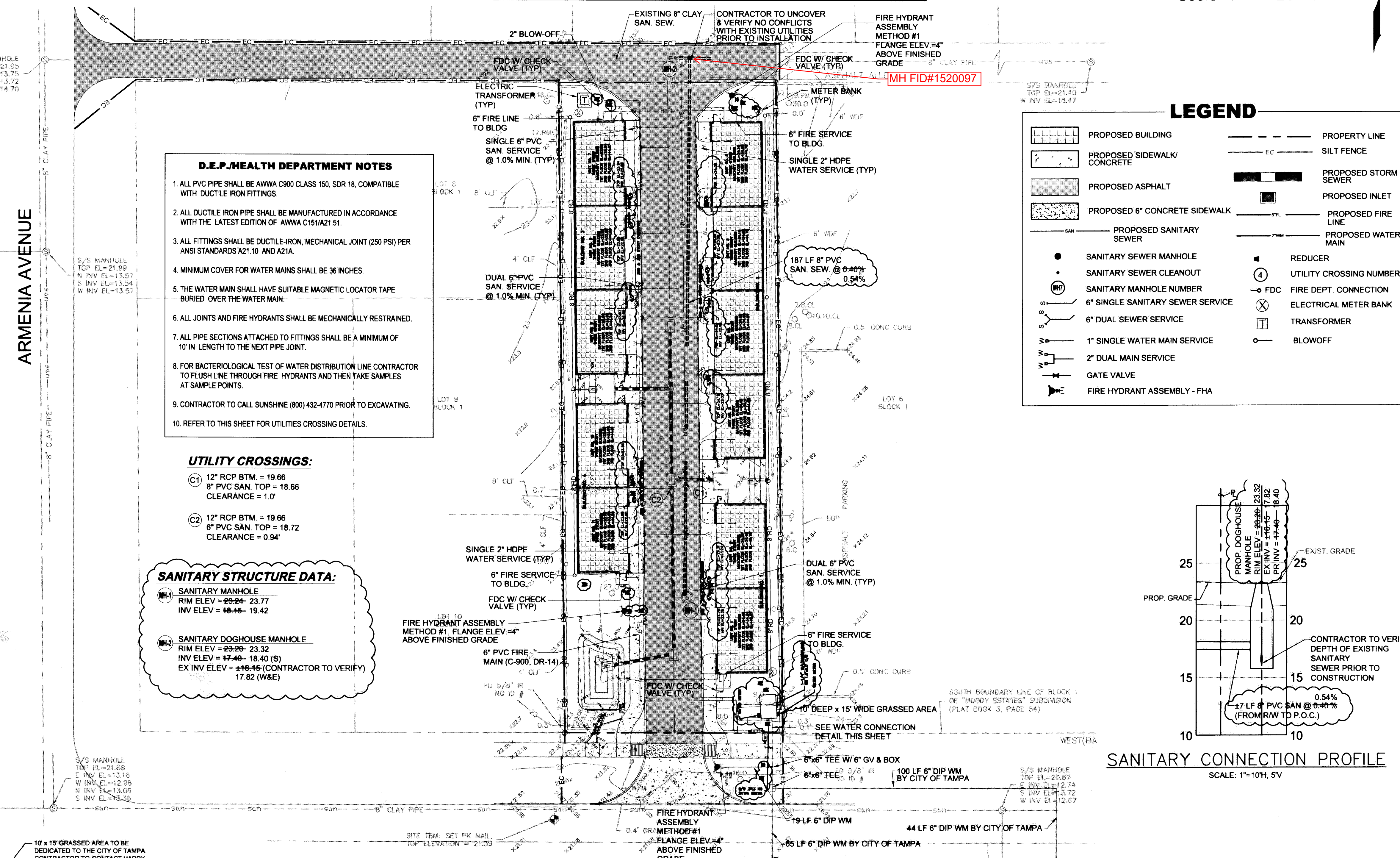
Matthew D. Campo 53988 April 22, 2008
NAME SEAL NO. DATE

SHEET TITLE

**RECORD DRAWING
UTILITY PLAN**

SHEET NUMBER

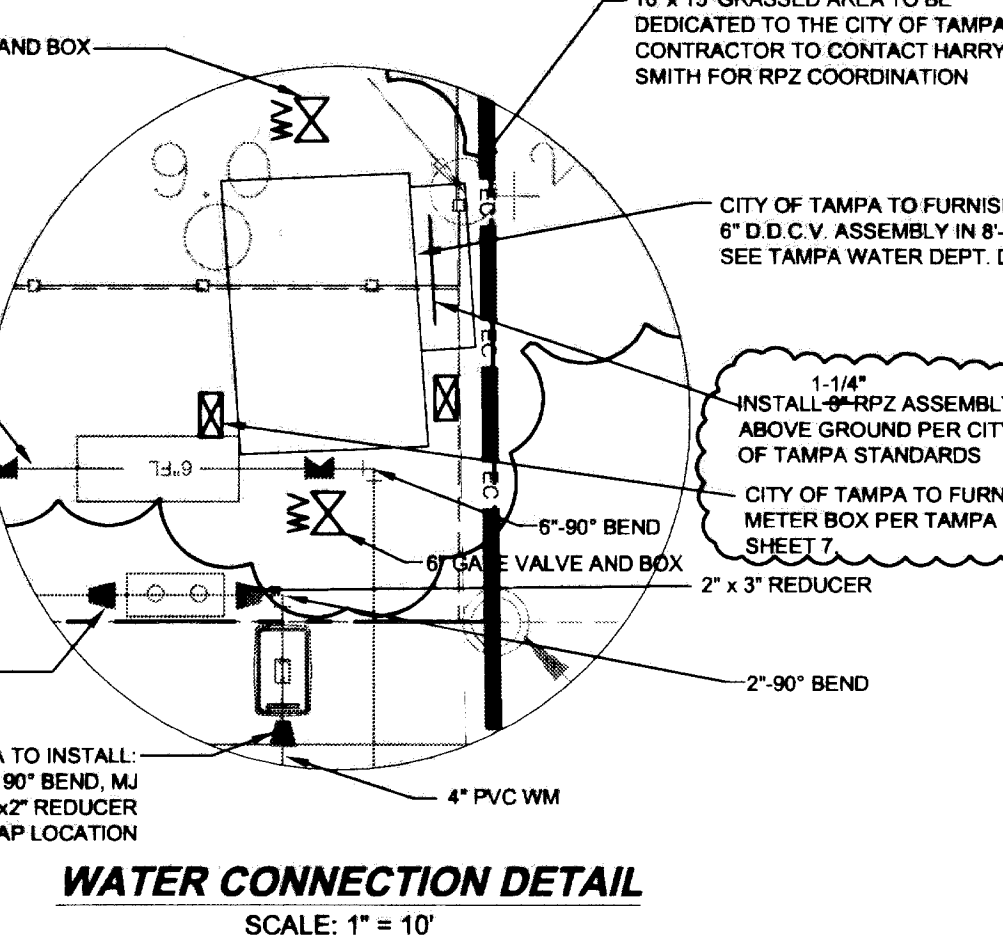
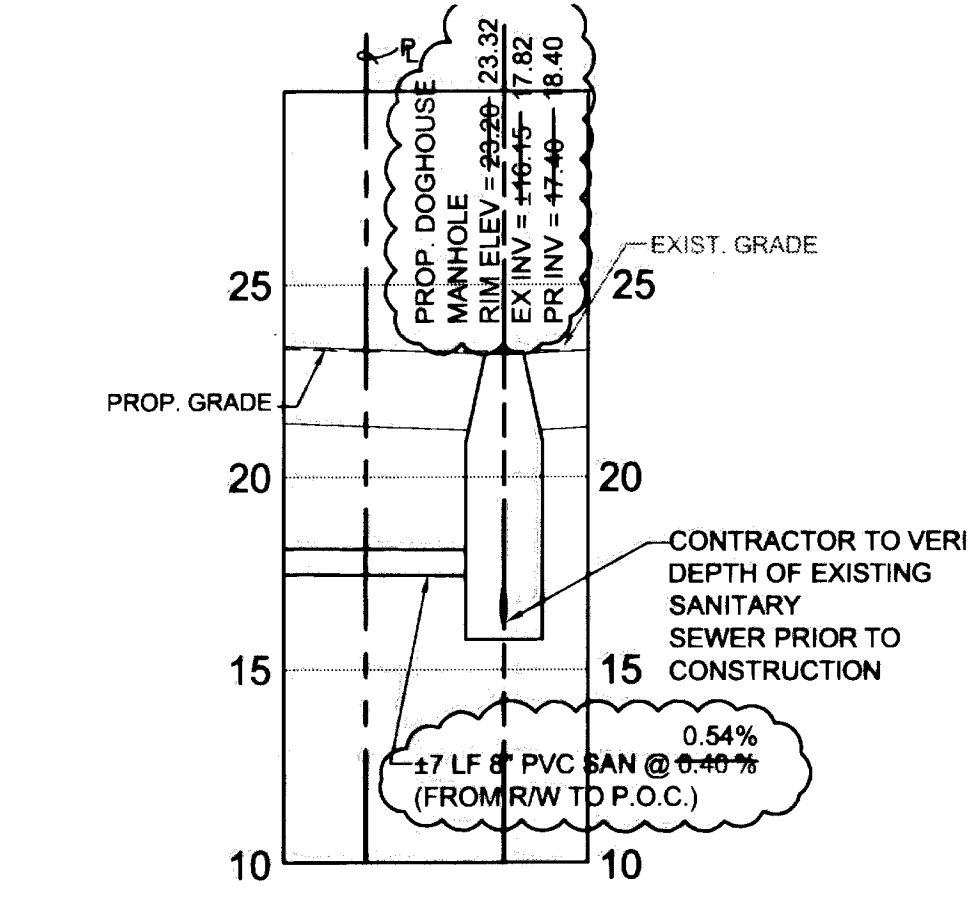
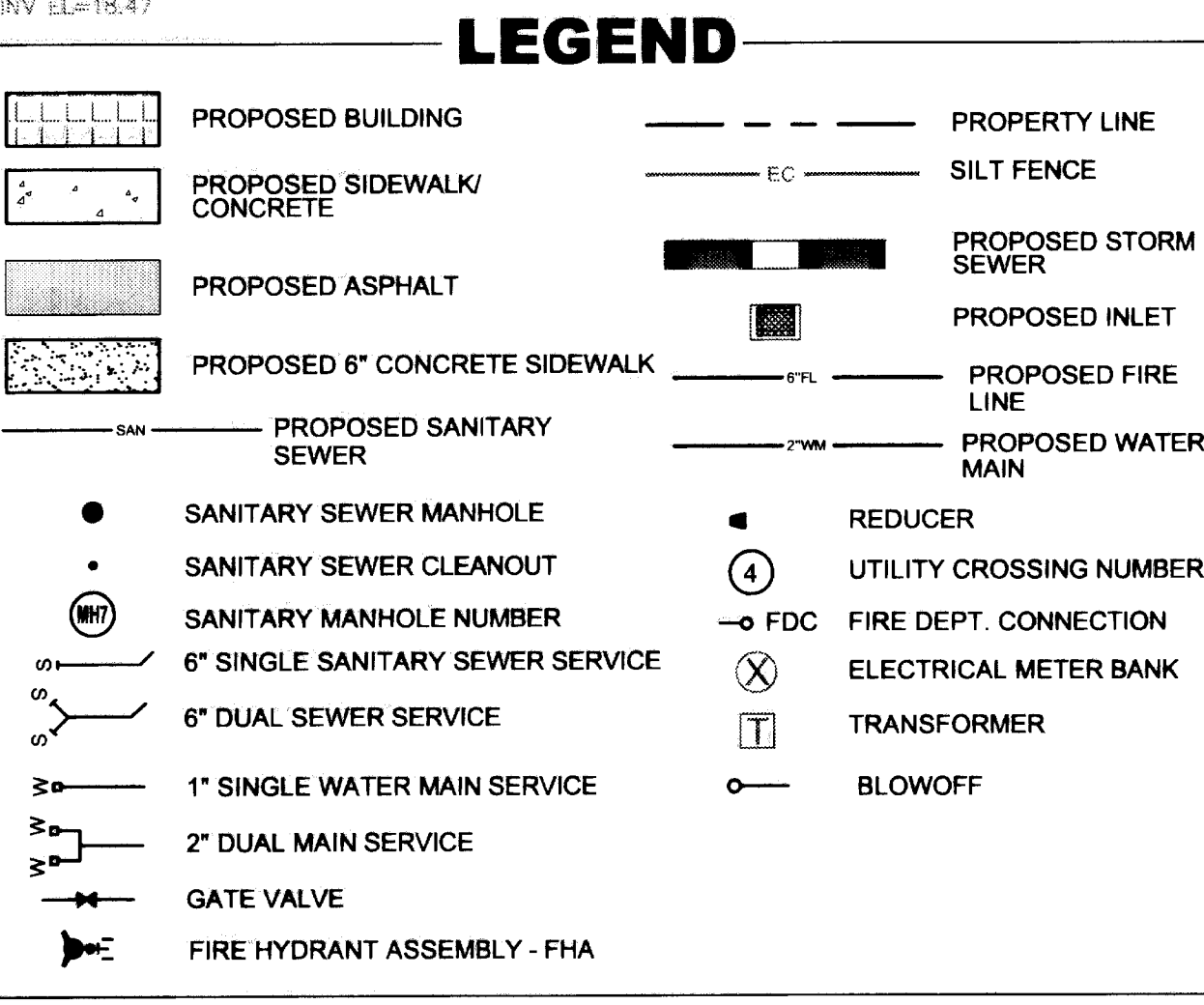
6



- D.E.P./HEALTH DEPARTMENT NOTES**
1. ALL PVC PIPE SHALL BE ANSA C900 CLASS 150, SDR 18, COMPATIBLE WITH DUCTILE IRON FITTINGS.
 2. ALL DUCTILE IRON PIPE SHALL BE MANUFACTURED IN ACCORDANCE WITH THE LATEST EDITION OF ANSA C151/A21.51.
 3. ALL FITTINGS SHALL BE DUCTILE-IRON, MECHANICAL JOINT (250 PSI) PER ANSA STANDARDS A21.10 AND A21.1.
 4. MINIMUM COVER FOR WATER MAINS SHALL BE 36 INCHES.
 5. THE WATER MAIN SHALL HAVE SUITABLE MAGNETIC LOCATOR TAPE BURIED OVER THE WATER MAIN.
 6. ALL JOINTS AND FIRE HYDRANTS SHALL BE MECHANICALLY RESTRAINED.
 7. ALL PIPE SECTIONS ATTACHED TO FITTINGS SHALL BE A MINIMUM OF 10" IN LENGTH TO THE NEXT PIPE JOINT.
 8. FOR BACTERIOLOGICAL TEST OF WATER DISTRIBUTION LINE CONTRACTOR TO FLUSH LINE THROUGH FIRE HYDRANTS AND THEN TAKE SAMPLES AT SAMPLE POINTS.
 9. CONTRACTOR TO CALL SUNSHINE (800) 432-4770 PRIOR TO EXCAVATING.
 10. REFER TO THIS SHEET FOR UTILITIES CROSSING DETAILS.

- UTILITY CROSSINGS:**
- (C1) 12" RCP BTM = 19.66
8" PVC SAN. TOP = 18.66
CLEARANCE = 1.0'
 - (C2) 12" RCP BTM = 19.66
6" PVC SAN. TOP = 18.72
CLEARANCE = 0.94'

- SANITARY STRUCTURE DATA:**
- (MH-1) SANITARY MANHOLE
RIM ELEV = 23.77
INV ELEV = 19.42
 - (MH-2) SANITARY DOGHOUSE MANHOLE
RIM ELEV = 23.32
INV ELEV = 18.40 (S)
EX INV ELEV = 17.82 (W&E)



- GENERAL NOTES**
1. REFER TO CITY OF TAMPA WATER DEPARTMENT NOTES, SHEET 2 FOR CONSTRUCTION OF ALL WATER MAINS FOR THIS PROJECT.
 2. THE CONTRACTOR SHALL ACQUIRE A CITY OF TAMPA RIGHT OF WAY PERMIT FROM THE TRANSPORTATION DIVISION PRIOR TO ANY WORK WITHIN THE RIGHT OF WAY. TELEPHONE (813) 274-8333.
 3. NO THRUST BLOCKS ARE ALLOWED.
 4. CONTRACTOR TO RESTRAIN ALL FITTING JOINTS.
 5. CONTRACTOR SHALL INSTALL AND PRESSURE TEST TAPPING SLEEVE WITH TAMPA WATER DEPARTMENT (TWD) INSPECTOR PRESENT. TWD WILL PERFORM TAP.
 6. PRIVATE, ON SITE SANITARY MANHOLES MAY HAVE A MINIMUM WALL THICKNESS OF 6 INCHES.

RECORD DRAWING ASBUILT = [Symbol]
RECORD DRAWING ASBUILT INFORMATION PROVIDED BY BROOKS & AMADEN, INC.

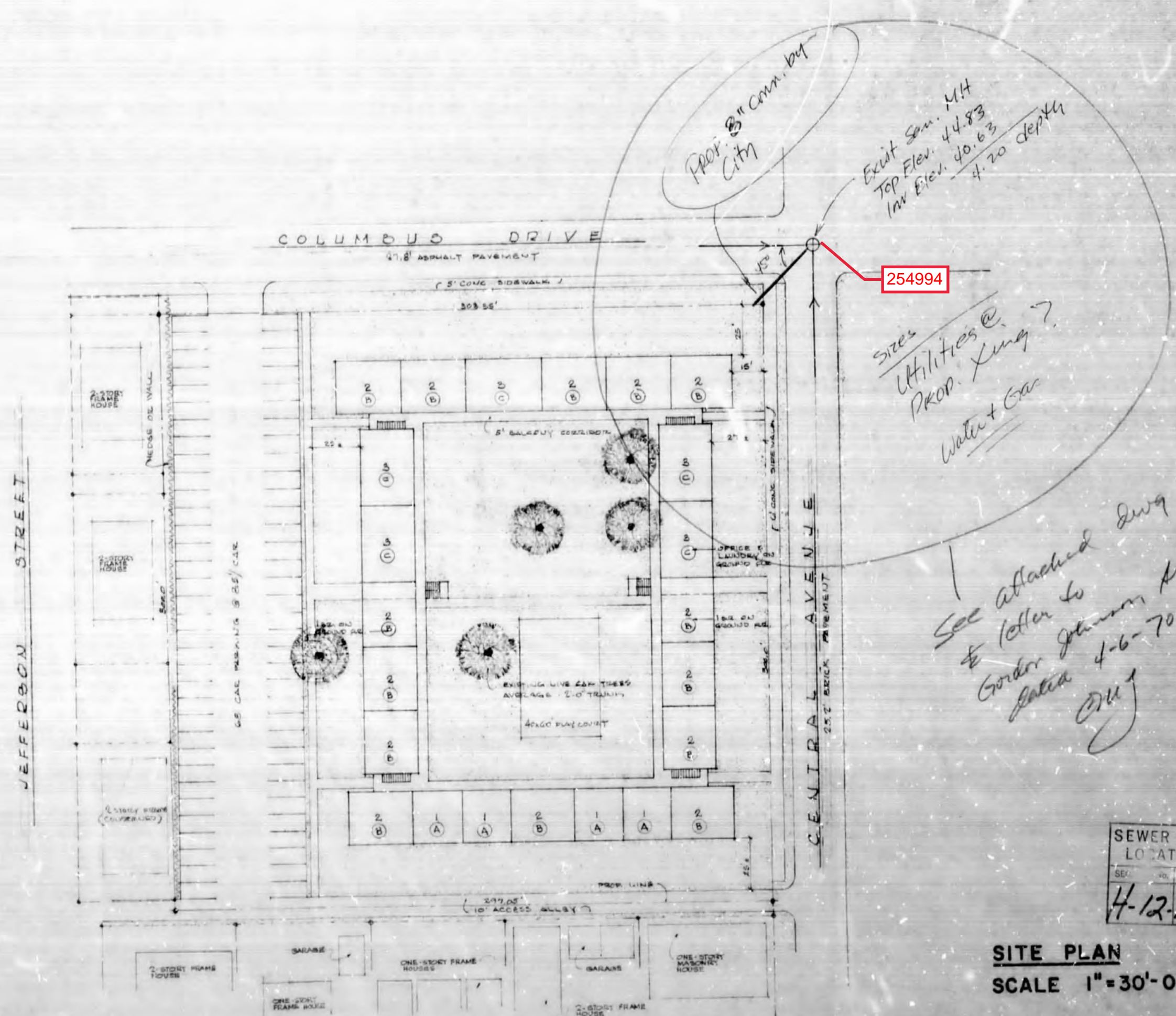
CERTIFICATION:
IN ACCORDANCE WITH CHAPTER 61G15-29, FLORIDA ADMINISTRATIVE CODE (F.A.C.), I HEREBY CERTIFY THAT AT THE TIME OF FINAL INSPECTION, THE WATER, SEWER AND SURFACE WATER SYSTEMS DEPICTED ON THESE RECORD DRAWINGS WERE SUBSTANTIALLY COMPLETE AND IN ACCORDANCE WITH THE PERMITTED CONSTRUCTION PLANS. ANY MINOR DEVIATIONS OBSERVED FROM THE PERMITTED PLANS AND SPECIFICATIONS WILL NOT PREVENT THE SYSTEM FROM FUNCTIONING IN COMPLIANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE OR F.A.C.

MATTHEW D. CAMPO 53988
NAME FL PE No.:
DATE: 5-1-08

352-048

UNIT BREAKDOWN		NO.
A	ONE BEDROOM	14
B	TWO BEDROOM	40
C	THREE BEDROOM	14
TOTAL NO. UNITS =		68
1 OFFICE = 400 SQ. FT.		
1 LAUNDRY = 554 SQ. FT.		
PARKING (C. 8.5 X 18'-0" SPACES) = 68 CARS		
GROSS FLOOR AREA	=	59,760 SQ. FT.
NET RENTABLE FLOOR AREA	=	54,400 SQ. FT.
SITE LAND AREA	=	90,060 SQ. FT.

SCALE 1" = 30'-0"
 NORTH



Prop. 8" Conn. by City
 Exit Sgn. MH
 Top Elev. 44.83
 Inv Elev. 40.63
 4.20 depth

254994
 Sizes
 Utilities @
 Prop. Xing?
 Water + Gas

See attached drawing
 & letter to
 Gordon Johnson Arch
 dated 4-6-70
 DMJ

SEWER LINE LOCATION
 SEW. LINE No.
 4-12-misc

SITE PLAN
 SCALE 1" = 30'-0"

507-201

GORDON JOHNSON A.L.A. ARCHITECT
 4021 NORTH ARVENIA AVENUE
 TAMPA, FLORIDA 33607

PRELIMINARY APARTMENTS
 CENTRAL AVENUE
 FLORIDA
 CENTRAL COURT AND APARTMENTS
 COLUMBUS DR
 TAMPA, FLA
 PROJECT NUMBER 067 - 35048 I.D. SUP

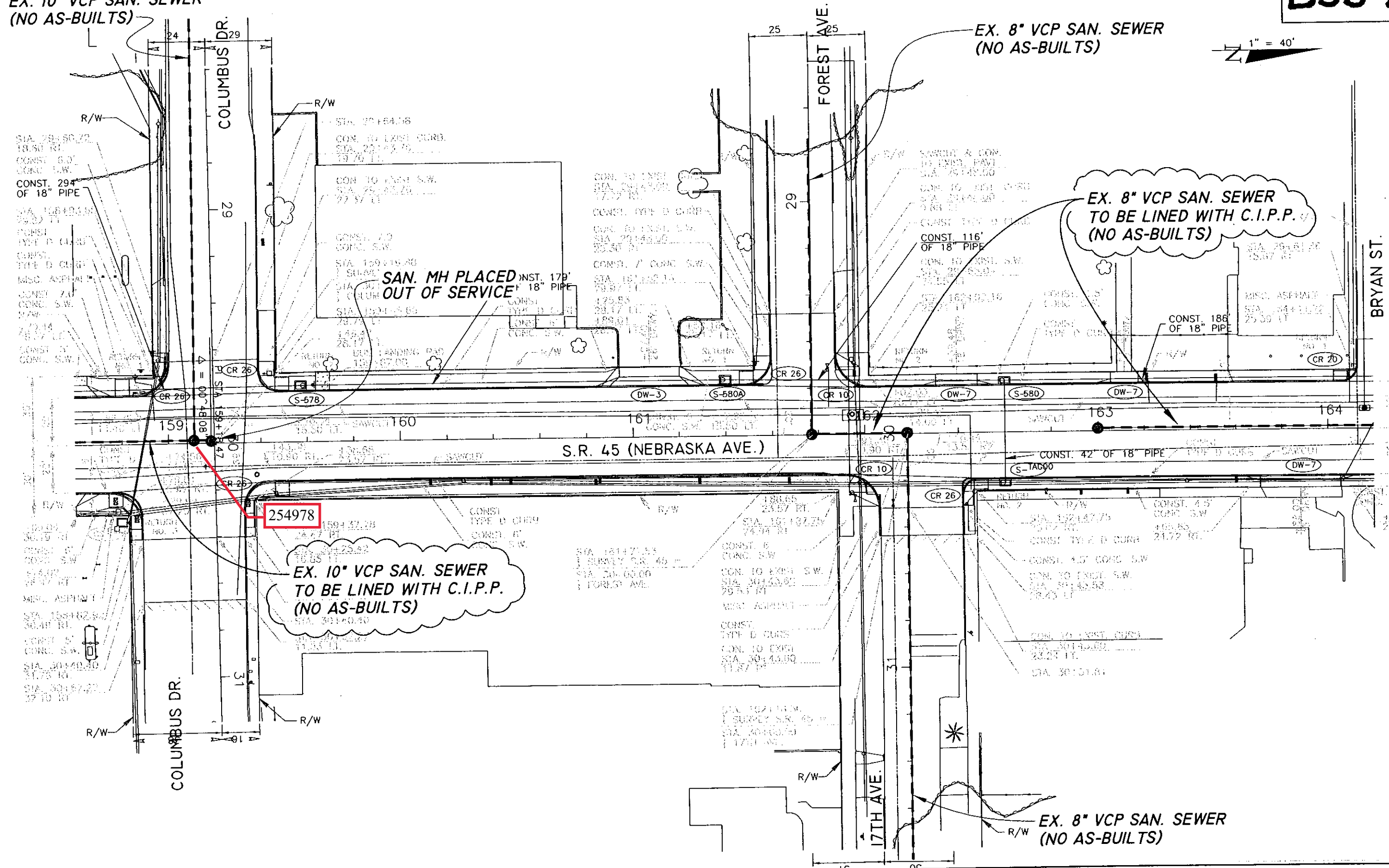
PRELIMINARY SITE PLAN

7001
 JAN 24 1970

EX. 10" VCP SAN. SEWER
(NO AS-BUILTS)

EX. 8" VCP SAN. SEWER
(NO AS-BUILTS)

1" = 40'



C:\PROGRAMFILES\LANDSKTOP2004\DWG\PIPE\5492-JW-26.DWG

HENRY DORZBACK, P.E. #39449
CHIEF ENGINEER
WASTEWATER DEPARTMENT

No.	DATE	REVISIONS
3		
2		
1		

DES: J.P.W.
DRN: BB
CKD: *[Signature]*
DATE: 10/17/06

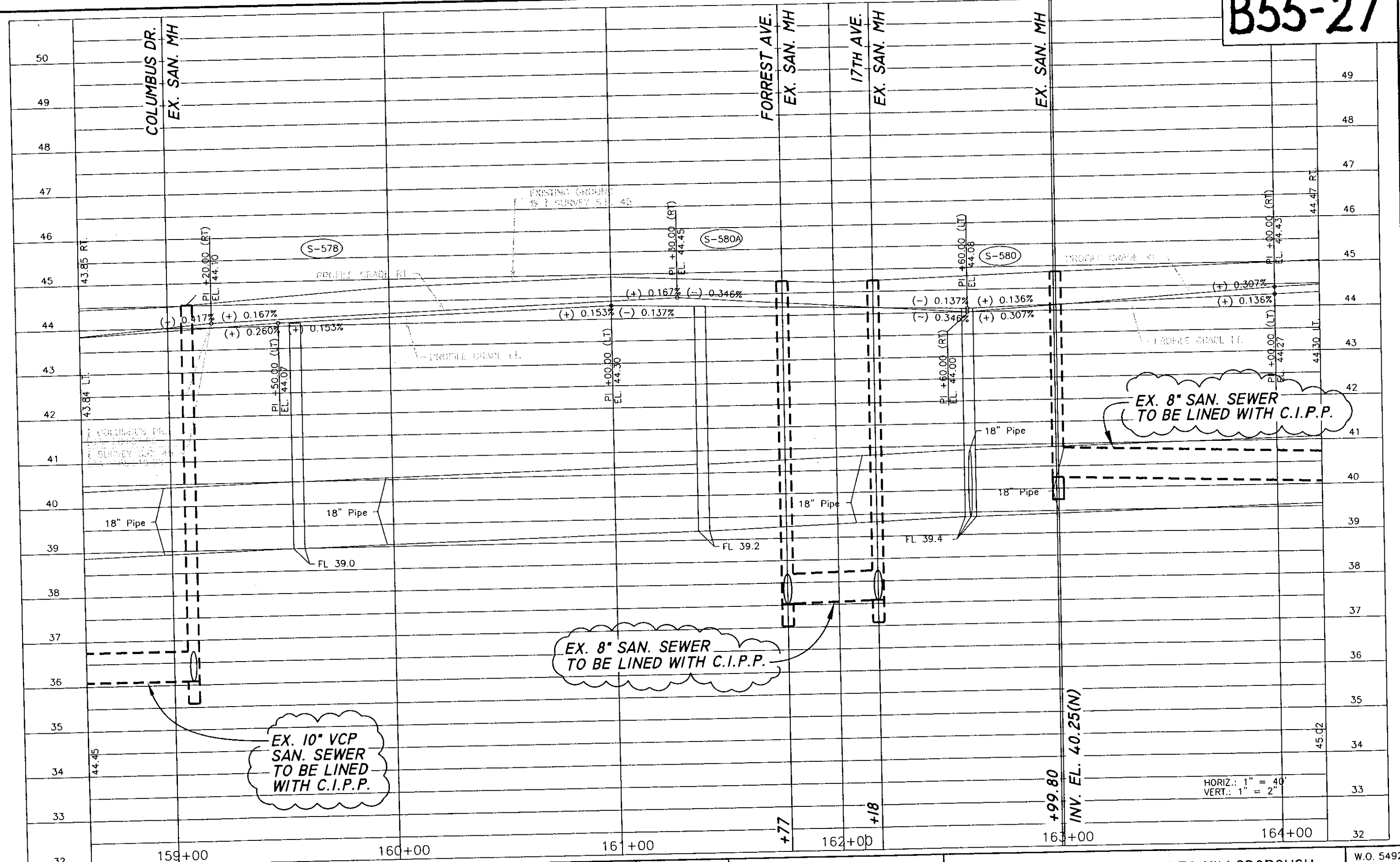
CITY of TAMPA
WASTEWATER DEPARTMENT

NEBRASKA AVE.: KENNEDY TO HILLSBOROUGH
REHABILITATION BY C.I.P.P.
PLAN SHEET

W.O. 5492
SHEET
26
OF 51

1=40

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EX. 10" VCP
SAN. SEWER
TO BE LINED
WITH C.I.P.P.

EX. 8" SAN. SEWER
TO BE LINED
WITH C.I.P.P.

EX. 8" SAN. SEWER
TO BE LINED
WITH C.I.P.P.

No.	DATE	REVISIONS
3		
2		

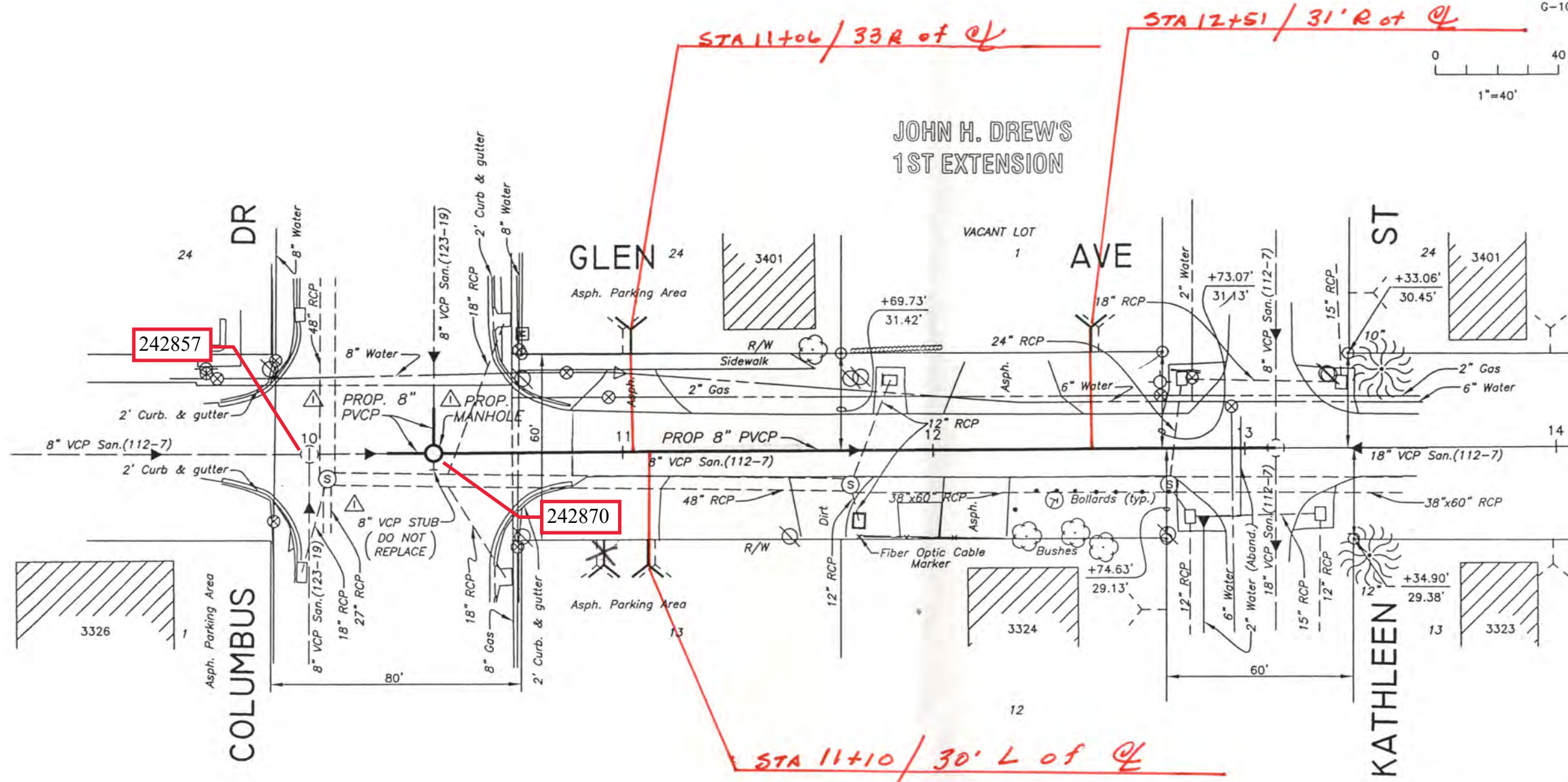
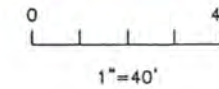
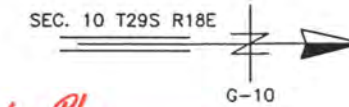
HENRY DORZBACK, P.E. #39449
CHIEF ENGINEER
WASTEWATER DEPARTMENT

DES: J.P.W.
DRN: BB
CKD: *[Signature]*
DATE: 10/19/06

CITY of TAMPA
WASTEWATER DEPARTMENT

NEBRASKA AVE.: KENNEDY TO HILLSBOROUGH
REHABILITATION BY C.I.P.P.
PROFILE SHEET

W.O. 5492
SHEET
27
OF 51



PLAN

As Built
Drawing

C:\PROGRAMFILES\LANDDESKTOP2004\DWG\PIPE\5302 1"=40

No.	DATE	REVISIONS
3		
2		
1	06/29/07	ADD PROPOSED MANHOLE & EXTRA PVCP

DES: JPW
DRN: JHJ
CKD:
DATE:

CITY of TAMPA
WASTEWATER DEPARTMENT

GLEN AVENUE FROM COLUMBUS
DRIVE TO KATHLEEN STREET

W.O. 5302
SHEET
3
OF 8

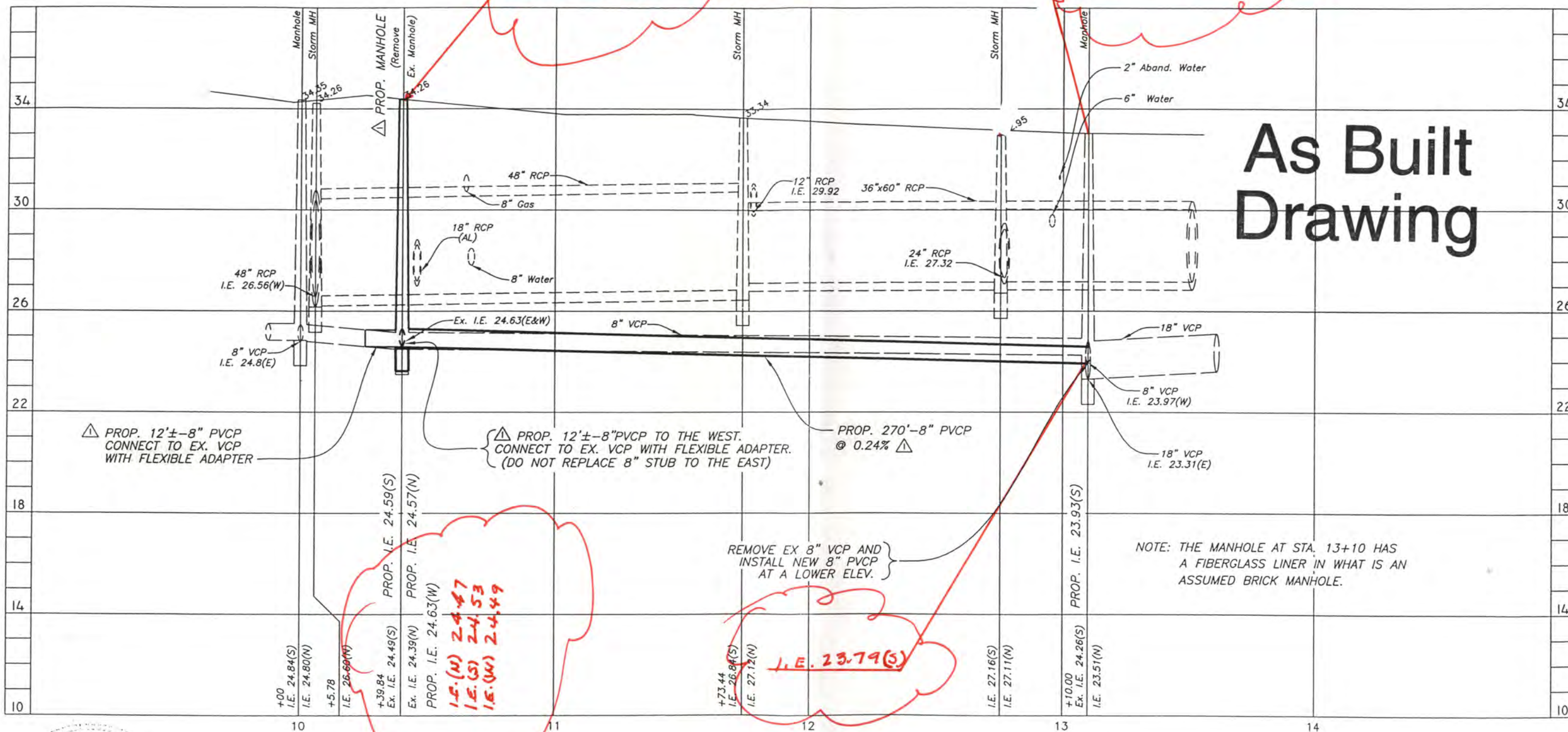
CLASS "C" BEDDING

PROP. 284'-8" PVCP @ 6'-13" CUT

RIM EL. 34.45

RIM EL. 32.94

As Built Drawing



PROFILE

SCALE:
1"=40' HORIZ.
1"=4' VERT.

NOTE: THE MANHOLE AT STA. 13+10 HAS A FIBERGLASS LINER IN WHAT IS AN ASSUMED BRICK MANHOLE.

C:\PROGRAMFILES\LANDESKTOP2004\DWG\PIPE\5302 1"=40



Anthony Lawrence Kasper, P.E. #63093
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT
07/12/07

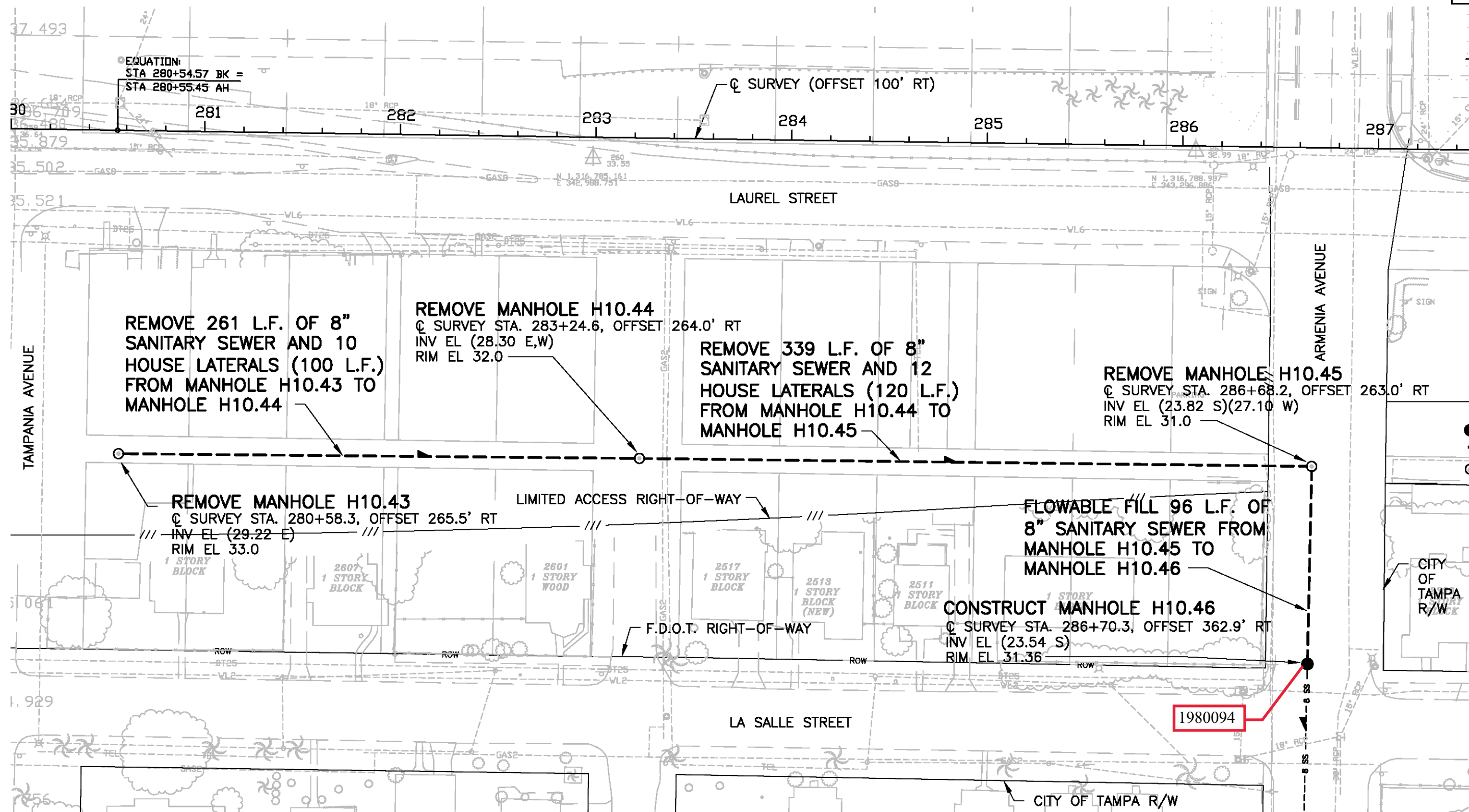
No.	DATE	REVISIONS
3		
2		
1	06/29/07	ADD PROP. MANHOLE & EXTRA PVCP AND CHANGE SLOPE

DES: JPW
DRN: JHJ
CKD:
DATE:

CITY of TAMPA
WASTEWATER DEPARTMENT

GLEN AVENUE FROM COLUMBUS DRIVE TO KATHLEEN STREET

W.O. 5302
SHEET
4
OF 8



NOTE:
 1. ALL UWHCA WORK SHOWN ON THE SHEET IS INSIDE NORMAL HIGHWAY LIMITS OF CONSTRUCTION. SEE NOTE 2, SHEET U-2.

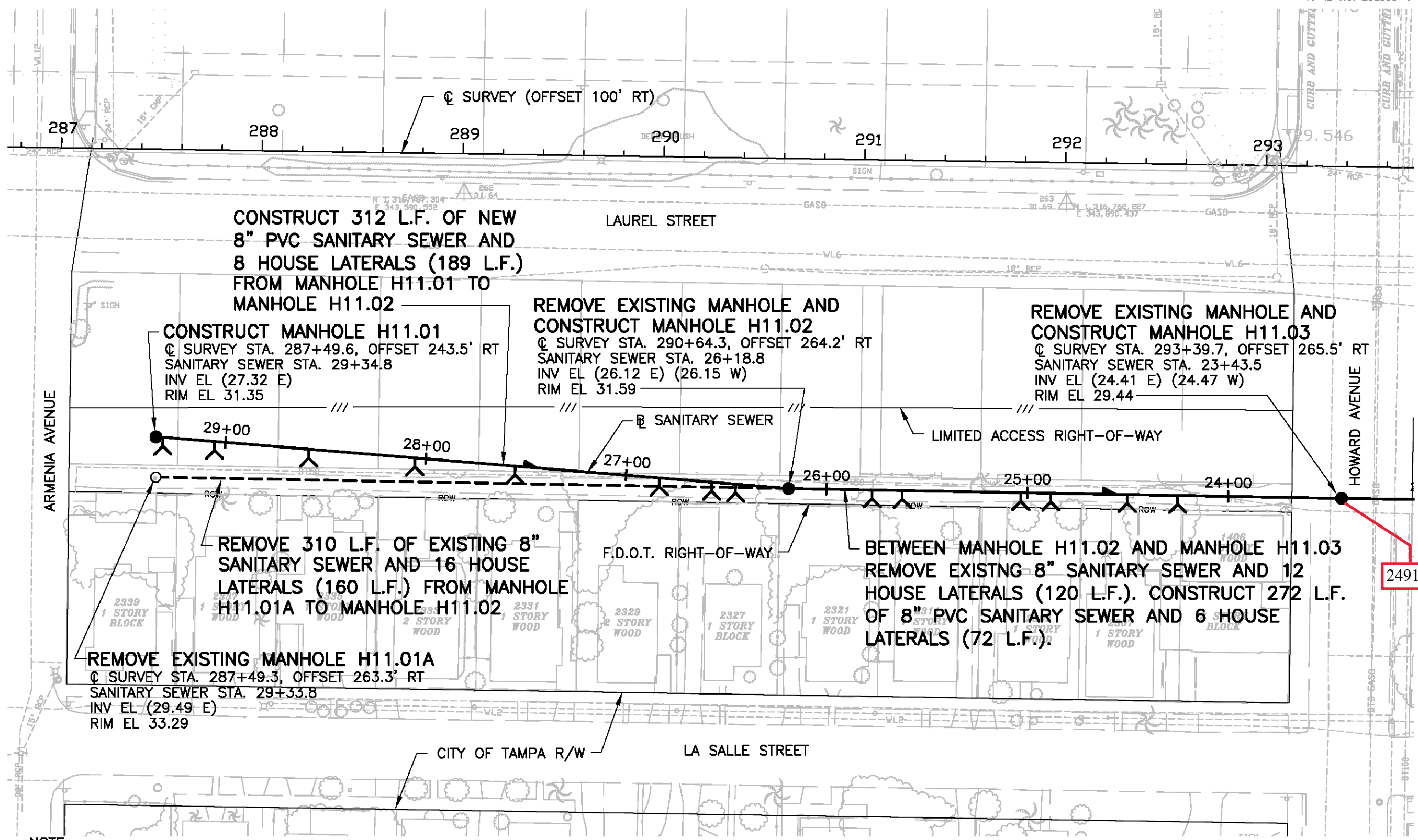
PLAN

RECORD DRAWING

THIS RECORD DRAWING IS NOT WARRANTED BUT IS BELIEVED TO REPRESENT CONDITIONS UPON COMPLETION OF CONSTRUCTION WITHIN REASONABLE TOLERANCES, BASED UPON THE INFORMATION FURNISHED TO THE ENGINEER FROM THE CONTRACTOR PERTAINING TO CHANGES MADE DURING CONSTRUCTION.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER 61G15-23.003, FAC

REVISIONS						GREGORY AND HANSEN LLC 1715 NORTH WESTSHORE BLVD, SUITE 484 TAMPA, FLORIDA 33607 CERTIFICATE OF AUTHORIZATION NO. 37 P.E. NAME: THOMAS Y. WILSON P.E. NO. 40284	SCALE 0 50 100 FT 1"=50'	CITY OF TAMPA, FLORIDA FP ID NO. 258399-1-56-04 INTERSTATE 275 SANITARY SEWER ADJUSTMENTS	PLAN ALLEY SOUTH OF LAUREL STREET AND ARMENIA AVENUE STA. 280+58 TO STA. 286+68	FILE NAME PLANU17 SHEET U-17 DATE JANUARY 2010 REV 0
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					
1/2010	TYW	RECORD DRAWING REVISIONS								



CONSTRUCT 312 L.F. OF NEW
8" PVC SANITARY SEWER AND
8 HOUSE LATERALS (189 L.F.)
FROM MANHOLE H11.01 TO
MANHOLE H11.02

REMOVE EXISTING MANHOLE AND
CONSTRUCT MANHOLE H11.02
Q SURVEY STA. 290+64.3, OFFSET 264.2' RT
SANITARY SEWER STA. 26+18.8
INV EL (26.12 E) (26.15 W)
RIM EL 31.59

REMOVE EXISTING MANHOLE AND
CONSTRUCT MANHOLE H11.03
Q SURVEY STA. 293+39.7, OFFSET 265.5' RT
SANITARY SEWER STA. 23+43.5
INV EL (24.41 E) (24.47 W)
RIM EL 29.44

CONSTRUCT MANHOLE H11.01
Q SURVEY STA. 287+49.6, OFFSET 243.5' RT
SANITARY SEWER STA. 29+34.8
INV EL (27.32 E)
RIM EL 31.35

REMOVE 310 L.F. OF EXISTING 8"
SANITARY SEWER AND 16 HOUSE
LATERALS (160 L.F.) FROM MANHOLE
H11.01A TO MANHOLE H11.02

BETWEEN MANHOLE H11.02 AND MANHOLE H11.03
REMOVE EXISTING 8" SANITARY SEWER AND 12
HOUSE LATERALS (120 L.F.). CONSTRUCT 272 L.F.
OF 8" PVC SANITARY SEWER AND 6 HOUSE
LATERALS (72 L.F.).

REMOVE EXISTING MANHOLE H11.01A
Q SURVEY STA. 287+49.3, OFFSET 263.3' RT
SANITARY SEWER STA. 29+33.8
INV EL (29.49 E)
RIM EL 33.29

- NOTE:
- 1. CONSTRUCT AND RECONNECT HOUSE LATERALS SHOWN TO R.O.W. FROM MANHOLE H11.01 TO MANHOLE H11.03. PROVIDE TEMPORARY SANITARY SEWER SERVICE TO HOMES DURING CONSTRUCTION.
 - 2. ALL UWHCA WORK SHOWN ON THIS SHEET IS INSIDE NORMAL HIGHWAY LIMITS OF CONSTRUCTION. SEE NOTE 2, SHEET U-2.

PLAN

RECORD DRAWING

THIS RECORD DRAWING IS NOT WARRANTED BUT IS BELIEVED TO REPRESENT CONDITIONS UPON COMPLETION OF CONSTRUCTION WITHIN REASONABLE TOLERANCES, BASED UPON THE INFORMATION FURNISHED TO THE ENGINEER FROM THE CONTRACTOR PERTAINING TO CHANGES MADE DURING CONSTRUCTION.

U-18, 2/11/2010 9:56:42 AM

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER 61G15-23.003, FAC

REVISIONS						GRIELEY AND HANSEN LLC 1715 NORTH WESTSHORE BLVD, SUITE 484 TAMPA, FLORIDA 33607 CERTIFICATE OF AUTHORIZATION NO. 37 P.E. NAME: THOMAS Y. WILSON P.E. NO. 40284	SCALE 0 50 100 FT 1"=50'	CITY OF TAMPA, FLORIDA FP ID NO. 258399-1-56-04 INTERSTATE 275 SANITARY SEWER ADJUSTMENTS	PLAN ALLEY SOUTH OF LAUREL STREET - ARMENIA AVENUE TO HOWARD AVENUE STA. 287+49 TO STA. 293+39	FILE NAME PLANU18 SHEET U-18 DATE JANUARY 2010 REV 0
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					
1/2010	TYW	RECORD DRAWING REVISIONS								